

# County of Fresno

DEPARTMENT OF PUBLIC WORKS AND PLANNING STEVEN E. WHITE, DIRECTOR

# Planning Commission Staff Report Agenda Item No. 2 November 9, 2017

SUBJECT: Unclassified Conditional Use Permit Application No. 3594

Allow co-location of wireless communication equipment on an existing 134-foot-tall PG&E electrical transmission tower (proposed 143-foot overall height) and installation of related equipment on a 150 square-foot portion of a 289.91-acre parcel in the AE-40 (Exclusive Agricultural, 40-acre minimum parcel size)

Zone District.

LOCATION: The project site is located on the east side of Interstate Highway 5

(I-5), between the Jeffrey Avenue alignment and the Cadillac

Avenue alignment, approximately 12 miles northeast of the nearest city limits of the City of Coalinga (SUP. DIST. 4) (APN 058-090-19s).

OWNER: JP Farms

APPLICANT: T-Mobile West, LLC

STAFF CONTACT: Derek Chambers, Planner

(559) 600-4205

Marianne Mollring, Senior Planner

(559) 600-4569

#### **RECOMMENDATION:**

 Approve Unclassified Conditional Use Permit (CUP) No. 3594 with recommended Findings, subject to the Conditions of Approval and Project Notes listed in Exhibit 1; and

Direct the Secretary to prepare a Resolution documenting the Commission's action.

#### **EXHIBITS**:

- 1. Conditions of Approval and Project Notes
- 2. Location Map
- 3. Existing Zoning Map
- 4. Existing Land Use Map
- 5. Site Plans and Detail Drawings
- 6. Elevation Drawings
- 7. Applicant's Operational Statement
- 8. Service Coverage Maps (with and without project)
- 9. Photographic Simulations

#### SITE DEVELOPMENT AND OPERATIONAL INFORMATION:

Criteria	Existing	Proposed
General Plan Designation	Agriculture	No change
Zoning	AE-40 (Exclusive Agricultural, 40-acre minimum parcel size)	No change
Parcel Size	289.91 acres	No change
Project Site	Three 134-foot-tall PG&E electrical transmission towers; 3,750 square-foot agricultural shop building with septic system; 3,500 square-foot pole barn; two water wells; two water storage tanks; orchard	150 square-foot lease area within footprint of one PG&E electrical transmission tower; six-foot-tall wood fence around perimeter of 150 square-foot lease area; outdoor equipment cabinets installed within 150 square-foot lease area; 12-foot-tall tower extension mounted on subject PG&E electrical transmission tower at 131 feet elevation (143-foot resulting tower height); six panel antennas and related equipment mounted on 12-foot-tall tower extension; one two-foot diameter microwave dish mounted on subject PG&E electrical transmission tower at 50 feet elevation; six-foot-wide utility easement; 15-foot-wide access and utility easement

Criteria	Existing	Proposed
Structural Improvements	Three 134-foot-tall PG&E electrical transmission towers; 3,750 square-foot agricultural shop building with septic system; 3,500 square-foot pole barn	12-foot-tall tower extension mounted on subject PG&E electrical transmission tower at 131 feet elevation (143-foot resulting tower height);
Nearest Residence	Approximately one and three quarter-miles southeast of the subject PG&E electrical transmission tower	No change
Surrounding Development	Interstate Highway 5 (I-5) westerly adjacent to the subject parcel; San Luis Canal approximately three and a quarter-mile west of the subject parcel; agricultural land uses dispersed throughout area	No change
Operational Features	N/A	Unmanned wireless communication facility
Employees	N/A	N/A
Customers	N/A	N/A
Traffic Trips	N/A	One monthly maintenance visit
Lighting	N/A	None
Hours of Operation	N/A	24 hours per day, year-round

#### EXISTING VIOLATION (Y/N) AND NATURE OF VIOLATION: N

#### **ENVIRONMENTAL ANALYSIS:**

It has been determined pursuant to Section 15303(d) of the California Environmental Quality Act (CEQA) guidelines that the proposed project will not have a significant effect on the environment and is not subject to CEQA.

#### **PUBLIC NOTICE:**

Notices were sent to 12 property owners within 1,320 feet of the subject parcel, exceeding the minimum notification requirements prescribed by the California Government Code and County Zoning Ordinance.

#### PROCEDURAL CONSIDERATIONS:

An Unclassified Conditional Use Permit (CUP) may be approved only if four Findings specified in the Fresno County Zoning Ordinance, Section 873-F are made by the Planning Commission.

The decision of the Planning Commission regarding an Unclassified CUP Application is final, unless appealed to the Board of Supervisors within 15 days of the Commission's action.

#### **BACKGROUND INFORMATION:**

This proposal entails the establishment of a new wireless communication facility at the location of an existing 134-foot-tall PG&E electrical transmission tower. The proposed 150 square-foot lease area will have a six-foot-tall wood perimeter fence, and will be located within the footprint of the existing tower. Additionally, six panel antennas with related equipment will be mounted on a 12-foot-tall tower extension, which will be installed on the existing tower at 131 feet elevation (143-foot resultant tower height). Further, a two-foot diameter microwave dish will be mounted on the subject PG&E electrical transmission tower at 50 feet elevation, and outdoor equipment cabinets will be installed within the 150 square-foot lease area.

The proposed facility will be accessed from Derrick Avenue via a proposed 15-foot-wide unpaved access and utility easement, which will be established on the subject parcel parallel to the Jeffrey Avenue alignment.

Service Coverage Maps have been provided for this project in accordance with the Fresno County Wireless Communication Guidelines. The Service Coverage Maps illustrate signal strength in the area of the project under existing conditions, and also illustrate signal strength in the area of the project with the proposed facility operational. According to these Service Coverage Maps, the proposed wireless communication facility will improve signal strength along Interstate Highway 5 (I-5) in the area of the project, particularly the east side of I-5 in the area of the project.

<u>Finding 1</u>: That the site of the proposed use is adequate in size and shape to accommodate said use and all yards, spaces, walls and fences, parking, loading, landscaping, and other features required by this Division, to adjust said use with land and uses in the neighborhood.

	Current Standard:	Proposed Operation:	Is Standard Met (y/n)
Setbacks	Front: 35 feet Side: 20 feet Street Side: 35 feet Rear: 20 feet	Front (north property line): 183 feet Side (east property line): 1,630 feet Street Side (west property line): 2,089 feet Rear: N/A (no rear property line)	Yes
Parking	N/A	N/A (unmanned facility)	N/A
Lot Coverage	No requirement	No requirement	N/A

	Current Standard:	Proposed Operation:	Is Standard Met (y/n)
Space Between Buildings	Six feet minimum (75 feet minimum between human habitations and structures utilized to house animals)	N/A (proposed development limited to existing PG&E electrical transmission tower)	N/A
Wall Requirements	No requirement	No requirement	N/A
Septic Replacement Area	100 percent	N/A (unmanned facility)	N/A
Water Well Separation	Septic tank: 50 feet; Disposal field: 100 feet; Seepage pit: 150 feet	N/A (unmanned facility)	N/A

#### **Reviewing Agency/Department Comments:**

Zoning Section of the Fresno County Department of Public Works and Planning: Proposed improvements satisfy the setback requirements of the AE-40 (Exclusive Agricultural, 40-acre minimum parcel size) Zone District.

No other comments specific to the adequacy of the site were expressed by reviewing Agencies or Departments.

#### Analysis:

Staff review of the Site Plans provided for this project has confirmed that the proposed improvements satisfy the setback requirements of the AE-40 (Exclusive Agricultural, 40-acre minimum parcel size) Zone District. The proposed 150 square-foot lease area to be located within the footprint of the existing PG&E electrical transmission tower will be set back 183 feet from the northern property line of the subject parcel (35-foot minimum front-yard setback required); 1,630 feet from the eastern property line of said parcel (20-foot minimum side-yard setback required); and 2,089 feet from the western property line of said parcel (35-foot minimum street side-yard setback required). Regarding rear-yard setback, due to the triangular shape of the subject parcel, said property does not have a rear property line.

The proposed facility will be accessed from Derrick Avenue via a proposed 15-foot-wide unpaved access and utility easement, which will be established on the subject parcel parallel to the Jeffrey Avenue alignment.

Based on the above information, staff believes that the subject parcel is adequate in size and shape to accommodate the proposed use.

Recommen	ded :	Canditions	of A	\nnroval	-
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None.

#### Conclusion:

Finding 1 can be made.

<u>Finding 2</u>: That the site for the proposed use relates to streets and highways adequate in width and pavement type to carry the quantity and kind of traffic generated by the proposed use.

		Existing Conditions	Proposed Operation
Private Road	Yes	Coalinga-Mendota Road alignment	No change
		Jeffrey Avenue alignment	
		San Mateo Avenue alignment	
Public Road Frontage	Yes	Derrick Avenue	No change
Direct Access to Public Road	No	N/A	15-foot-wide unpaved access and utility easement proposed from Derrick Avenue to proposed facility
Road ADT		Derrick Avenue: 300	Less than significant increase
		Coalinga-Mendota Road alignment: Unknown (private road)	moreage
		Jeffrey Avenue alignment: Unknown (private road)	
		San Mateo Avenue alignment: Unknown (private road)	
Road Classification		Derrick Avenue: Local	No change
		Coalinga-Mendota Road alignment: N/A (private road)	
		Jeffrey Avenue alignment: N/A (private road)	
		San Mateo Avenue alignment: N/A (private road)	
Road Width		Derrick Avenue: 100-foot total existing right-of-way	No change
		Coalinga-Mendota Road alignment: Unknown (private road)	

		Existing Conditions	Proposed Operation
		Jeffrey Avenue alignment: Unknown (private road)  San Mateo Avenue alignment: Unknown (private road)	
Road Surface		Derrick Avenue: Paved (pavement width: 40.3 feet)  Coalinga-Mendota Road alignment: Paved (pavement width: 22 feet)  Jeffrey Avenue alignment: Unpaved  San Mateo Avenue alignment: Unpaved	No change
Traffic Trips		N/A	One monthly maintenance visit
Traffic Impact Study (TIS) Prepared	No	N/A	None required, as regular operations will not generate more than 100 daily trips or ten peakhour trips (peak-hour trips defined as 7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m.)
Road Improvements Require	ed	N/A	None required

#### **Reviewing Agency/Department Comments:**

Design Division of the Fresno County Department of Public Works and Planning: No concerns with the proposal.

Development Engineering Section of the Fresno County Department of Public Works and Planning: Coalinga-Mendota Road, Jeffrey Avenue and San Mateo Avenue are private road alignments not maintained by the County. Derrick Avenue is a County-maintained road classified as a Local road. The minimum total width for a Local road right-of-way is 60 feet. Derrick Avenue has a total existing right-of-way of 100 feet at the subject parcel. Any work performed within the County right-of-way shall require an Encroachment Permit from the Road Maintenance and Operations Division of the Fresno County Department of Public Works and Planning. This mandatory requirement has been included as a Project Note.

Road Maintenance and Operations Division of the Fresno County Department of Public Works and Planning: No concerns with the proposal.

No other comments specific to the adequacy of streets and highways were expressed by reviewing Agencies or Departments.

#### **Analysis:**

The proposed wireless communication facility will be accessed from Derrick Avenue via a proposed 15-foot-wide unpaved access and utility easement, which will be established on the subject parallel to the Jeffrey Avenue alignment.

Based on the above information, and with adherence to the mandatory Project Notes discussed in this Staff Report, staff believes that the streets in proximity to the subject parcel will be adequate to accommodate the proposed use.

#### **Recommended Conditions of Approval:**

None.

#### Conclusion:

Finding 2 can be made.

<u>Finding 3</u>: That the proposed use will have no adverse effect on abutting property and surrounding neighborhood or the permitted use thereof.

	Surrounding Parcels							
	Size: Use: Zoning: Nearest Residen							
North	320.00 acres	Orchard	AE-40	None				
	268.90 acres	Orchard	AE-40	None				
Southwest	8.73 acres	Vacant	AE-40	None				
	277.14 acres	Orchard	AE-40	None				
East	159.52 acres	Field crops	AE-40	None				
	157.62 acres	Field crops	AE-40	None				

#### **Reviewing Agency/Department Comments:**

Building and Safety Section of the Fresno County Department of Public Works and Planning: If approved, plans related to construction and development of the project prepared by a licensed design professional shall be submitted to the Development Services Division of the Fresno County Department of Public Works and Planning for review and approval in order to acquire building and installation permits, and necessary inspections. This mandatory requirement has been included as a Project Note.

Development Engineering Section of the Fresno County Department of Public Works and Planning: According to FEMA FIRM Panel 3050H, the project site is not subject to flooding from the 1%-chance storm (100-year storm). Any additional run-off generated by development cannot be drained across property lines, and must be retained on site per County Standards. A Grading Permit or Grading Voucher shall be required for any grading activity associated with this proposal. These mandatory requirements have been included as Project Notes.

Fresno County Department of Agriculture (Agricultural Commissioner's Office): No concerns with the proposal.

Fresno County Department of Public Health, Environmental Health Division: Facilities proposing to use and/or store hazardous materials and/or hazardous wastes shall satisfy requirements set forth in California Health and Safety Code (HSC), Division 20, Chapter 6.95, and California Code of Regulations (CCR), Title 22, Division 4.5. The Applicant shall submit a Hazardous Materials Business Plan to the Fresno County Department of Public Health for review and approval pursuant to HSC, Division 20, Chapter 6.95 when handing hazardous materials and/or hazardous wastes above the following reportable thresholds: 1) 55 gallons of liquid material; 2) 500 pounds of solid material; 3) 200 cubic feet of compressed gas; or 4) the threshold planning quantity for extremely hazardous substances. All hazardous waste shall be handled in accordance with requirements set forth in CCR, Title 22, Division 4.5, which discusses proper labeling, storage and handling of hazardous wastes. These mandatory requirements have been included as Project Notes.

Fresno County Fire Protection District (Fire District): The proposal shall comply with the California Code of Regulations Title 24 – Fire Code, and three sets of County-approved construction plans for the project shall be approved by the Fire District prior to issuance of Building Permits by the County. The subject parcel shall annex into Community Facilities District (CFD) No. 2010-01 of the Fresno County Fire Protection District. These mandatory requirements have been included as Project Notes.

Water and Natural Resources Division of the Fresno County Department of Public Works and Planning: No concerns with the proposal as the subject parcel is not located in a designated Water-Short area.

No other comments specific to land use compatibility were expressed by reviewing Agencies or Departments.

#### Analysis:

The subject parcel is located on the east side of Interstate Highway 5 (I-5) in an agricultural area with few residential land uses, the closest dwelling being located approximately one and three quarter-miles southeast of the subject PG&E electrical transmission tower.

Interstate Highway 5 (I-5) is designated as a Scenic Highway in the Fresno County General Plan. Although General Plan Policy OS-L.3 typically requires intensive land use proposals to be developed with a 200-foot natural open space area adjacent to the Scenic Highway, Policy OS-L.3 also allows this 200-foot natural open space setback requirement to be modified in instances where any one of the following conditions exist: 1) topographic or vegetative characteristics preclude the 200-foot setback; 2) topographic or vegetative characteristics provide visual screening of buildings and parking areas from the Scenic Highway; 3) property dimensions preclude the 200-foot setback; or 4) the proposed development involves expansion of an existing facility or expansion of an existing concentration of uses. In this instance, the

proposed wireless communication facility will be co-located at an existing PG&E electrical transmission tower located approximately 2,675 feet east of I-5.

Aesthetics are a typical concern associated with this type of use due to the heights of towers on which wireless communication antennas are mounted. Further, the height of a wireless communication tower is a function of its use because effective operation of wireless communication antennas require such improvements to be installed at relatively high elevations. In this instance, six panel antennas with related equipment will be mounted on a 12-foot-tall tower extension, which will be installed on an existing 134-foot-tall PG&E electrical transmission tower at 131 feet elevation, resulting in a 143-foot overall tower height. Additionally, a two-foot diameter microwave dish will be mounted on the subject PG&E electrical transmission tower at 50 feet elevation.

Regarding the aesthetics of the related facilities (*i.e.*, equipment cabinets), the proposed 150 square-foot lease area will contain said improvements within a six-foot-tall wood perimeter fence. Further, the proposed 150 square-foot lease area will be located within the footprint of the subject PG&E electrical transmission tower.

Based on the above information, and with adherence to the mandatory Project Notes discussed in this Staff Report, staff believes that the proposal will not have an adverse effect upon surrounding properties.

#### **Recommended Conditions of Approval:**

None.

#### Conclusion:

Finding 3 can be made.

Finding 4: That the proposed development is consistent with the General Plan.

Relevant Policies:	Consistency/Considerations:
General Plan Policy PF-J.4: County shall require compliance with the Wireless Communication Guidelines for siting of communication towers in unincorporated areas of the County.	See discussion below under the <b>Analysis</b> section.
General Plan Policy PF-C.17: County shall, prior to consideration of any discretionary project related to land use, undertake a water supply evaluation. The evaluation shall include the following: A) determination that the water supply is adequate to meet the highest demand that could be permitted on the lands in question; B) determination of the impact that use of the proposed water supply will have on other water users in Fresno County; and C) determination that the proposed water supply is	This proposal was reviewed by the Water and Natural Resources Division of the Fresno County Department of Public Works and Planning, which did not identify any concerns with the proposed use, as the subject parcel is not located in a designated Water-Short area. Further, the proposed use is an unmanned wireless communication facility that does not require water for operation.
sustainable or that there is an acceptable plan to achieve sustainability.	Staff believes the proposal is consistent with this Policy.

#### **Reviewing Agency/Department Comments:**

Policy Planning Section of the Fresno County Department of Public Works and Planning: The subject parcel is designated Agriculture in the Fresno County General Plan. According to General Plan Policy PF-J.4, the County shall require compliance with the Fresno County Wireless Communication Guidelines for siting of communication towers in unincorporated areas of the County. The subject parcel is enrolled under Williamson Act Contract No. 7257A; however, wireless communication facilities are a compatible use on property subject to Williamson Act Contracts.

No other comments specific to General Plan Policy were expressed by reviewing Agencies or Departments.

#### Analysis:

General Plan Policy PF-J.4 requires compliance with the Fresno County Wireless Communication Guidelines which encourage the utilization of Fresno City-adopted development standards for new tower facilities if such proposals are located within one half-mile of the City of Fresno. In this instance, the subject parcel is located approximately 12 miles northeast of the City of Coalinga, which is not within one half-mile of the City of Fresno.

The Fresno County Wireless Communication Guidelines also state that the need to accommodate new communication technology must be balanced with the need to minimize the number of new tower structures, thus reducing the impacts towers can have on the surrounding community. In this instance, there have been four other towers erected within five miles of the subject parcel; however, this proposal entails co-location of wireless communication equipment on an existing PG&E electrical transmission tower. As such, staff believes that the proposed wireless communication facility is in conformance with the Fresno County Wireless Communication Guidelines.

The Fresno County Wireless Communication Guidelines also state that developers of new tower sites should include provisions in their land lease agreements that reserve co-location opportunities. As such, prior to issuance of building permits for this proposal, the Applicant shall provide Staff with a copy of the project site land lease agreement in order to verify that the co-location requirement can be satisfied. This requirement has been included as a Condition of Approval.

Based on the above information, and with adherence to the recommended Condition of Approval and mandatory Project Notes discussed in this Staff Report, staff believes that the proposal is consistent with the Fresno County General Plan.

#### **Recommended Conditions of Approval:**

See recommended Conditions of Approval attached as Exhibit 1.

#### Conclusion:

Finding 4 can be made.

#### **PUBLIC COMMENT:**

None.

#### **CONCLUSION:**

Based on the factors cited in the analysis, staff believes the required Findings for granting the Unclassified Conditional Use Permit can be made. Staff therefore recommends approval of Unclassified Conditional Use Permit No. 3594, subject to the recommended Conditions.

#### **PLANNING COMMISSION MOTIONS:**

#### **Recommended Motion** (Approval Action)

- Move to determine the required Findings can be made and move to approve Unclassified Conditional Use Permit (CUP) No. 3594, subject to the Conditions of Approval and Project Notes listed in Exhibit 1; and
- Direct the Secretary to prepare a Resolution documenting the Commission's action.

#### **<u>Alternative Motion</u>** (Denial Action)

- Move to determine that the required Findings cannot be made (state basis for not making the Findings) and move to deny Unclassified Conditional Use Permit No. 3594; and
- Direct the Secretary to prepare a Resolution documenting the Commission's action.

#### **Recommended Conditions of Approval and Project Notes:**

See attached Exhibit 1.

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### Unclassified Conditional Use Permit Application No. 3594 Conditions of Approval and Project Notes

	Conditions of Approval					
1.	Development and operation shall be in substantial conformance with the approved Site Plans, Floor Plans, Elevation Drawings and Operational Statement, except as modified by the Conditions of Approval.					
2.	Approval of Unclassified Conditional Use Permit No. 3594 shall expire in the event the use of the antennas/microwave dish ceases for a period in excess of two years. At such time, the antennas/microwave dish and related facilities shall be removed and the lease area shall be restored as nearly as practical to its original condition. This stipulation shall be recorded as a Covenant running with the land.					
	Note: The Department of Public Works and Planning will prepare the Covenant upon receipt of the standard processing fee, which is currently \$243.50.					

Conditions of Approval reference recommended Conditions for the project.

		Notes						
E	The following No	The following Notes reference mandatory requirements of Fresno County or other Agencies and are provided as information to the project Applicant.						
EXHIBIT 1								
	2.	Any work performed within the County right-of-way shall require an Encroachment Permit from the Road Maintenance and Operations Division of the Fresno County Department of Public Works and Planning.						
	3.	Any additional run-off generated by development cannot be drained across property lines, and must be retained on site per County Standards.						
	4.	A Grading Permit or Grading Voucher shall be required for any grading activity associated with this proposal.						
	5.	Facilities proposing to use and/or store hazardous materials and/or hazardous wastes shall satisfy requirements set forth in California Health and Safety Code (HSC), Division 20, Chapter 6.95, and California Code of Regulations (CCR), Title 22, Division 4.5.						
	6.	The Applicant shall submit a Hazardous Materials Business Plan to the Fresno County Department of Public Health for review and approval pursuant to California Health and Safety Code (HSC), Division 20, Chapter 6.95 when handing hazardous materials and/or hazardous wastes above the following reportable thresholds: 1) 55 gallons of liquid material; 2) 500 pounds of solid material; 3) 200 cubic feet of compressed gas; or 4) the threshold planning quantity for extremely hazardous substances.						
	7.	All hazardous waste shall be handled in accordance with requirements set forth in California Code of Regulations (CCR), Title 22, Division 4.5, which discusses proper labeling, storage and handling of hazardous wastes.						

	Notes		
8.	The project shall comply with the California Code of Regulations Title 24 – Fire Code, and three sets of County-approved construction plans for the project shall be approved by the Fire District prior to issuance of Building Permits by the County.		
9.	Prior to Occupancy, the subject parcel shall annex into Community Facilities District (CFD) No. 2010-01 of the Fresno County Fire Protection District.		

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## **EXISTING LAND USE MAP**





# GENERAL NOTES

- DRAWINGS ARE NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE, AND THIS SET OF PLANS IS INTENDED TO BE USED FOR DIAGRAMMATIC PURPOSES ONLY, UNLESS NOTED OTHERWISE. THE GENERAL CONTRACTOR'S SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ANYTHING ELSE DEEMED NECESSARY TO COMPLETE INSTALLATIONS AS DESCRIBED HEREIN
- 2. PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS INVOLVED SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED PROJECT, WITH THE CONSTRUCTION AND CONTRACT DOCUMENTS, FIELD CONDITIONS AND CONFIRM THAT THE PROJECT MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY ERRORS, OMISSIONS, OR DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ ENGINEER.
- 3. THE GENERAL CONTRACTOR SHALL RECEIVE WRITTEN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS/CONTRACT DOCUMENTS.
- 4. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT
- 5. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO MANUFACTURER'S/VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
- 6. ALL WORK PERFORMED ON PROJECT AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK.
- 7. GENERAL CONTRACTOR SHALL PROVIDE AT THE PROJECT SITE A FULL SET OF CONSTRUCTION DOCUMENTS UPDATED WITH THE LATEST REVISIONS AND ADDENDUMS OR CLARIFICATIONS FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
- 8. THE STRUCTURAL COMPONENTS OF THIS PROJECT SITE/FACILITY ARE NOT TO BE ALTERED BY THIS CONSTRUCTION PROJECT UNLESS NOTED OTHERWISE.
- 9. DETAILS HEREIN ARE INTENDED TO SHOW END RESULT OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB CONDITIONS OR SITUATIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE SCOPE OF WORK.
- 10. SEAL PENETRATIONS THROUGH FIRE-RATED AREAS WITH U.L. LISTED OR FIRE MARSHALL APPROVED MATERIALS IF APPLICABLE TO THIS FACILITY AND OR PROJECT SITE.
- 11. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO THE CONSTRUCTION ON OR ABOUT THE PROPERTY.
- 12. CONTRACTOR SHALL SEE TO IT THAT GENERAL WORK AREA IS KEPT CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY
- 13. THE ARCHITECTS/ENGINEERS HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. CONTRACTORS BIDDING THE JOB ARE NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS. THE BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE ARCHITECT/ENGINEER OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL. IN THE EVENT OF DISCREPENCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED OTHERWISE.

PROJECT MILESTONES

INDEX OF DRAWINGS

OVERALL / ENLARGED SITE PLANS

EQUIPMENT LAYOUT PLANS

PROJECT ELEVATIONS

CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

ELECTRICAL DETAILS

GROUNDING DETAILS

PG&E GROUNDING PLAN

PG&E GROUNDING PLAN

GROUNDING PLAN

SURVEY

TITLE SHEET, LOCATION PLAN, PROJECT DATA

90% CONSTRUCTION DOCUMENTS

100% CONSTRUCTION DOCUMENTS

100% CONSTRUCTION DOCUMENTS REV 1

05/15/2017

05/24/2017

06/01/2017

1. T1.1

2. C-1

3. A1.1

4. A2.1

5. A3.1

9. E1.1

10. E2.1

11. E2.2

12. E2.3

13. E2.4

5

A4.1

A4.2

A4.3

# Mobile.

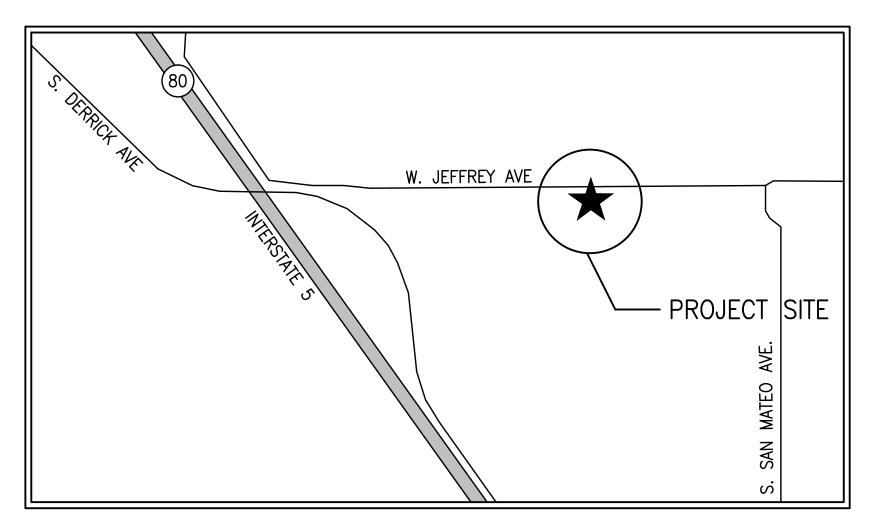
WESTLLC.

1755 CREEKSIDE OAKS DRIVE # 190, SACRAMENTO, CA 95833

# SC10416A - DERRICK AVENUE NSB PG&E COLOCATION PROJECT

25217 S. DERRICK AVENUE COALINGA, CA 93210 APN: 058-090-19S

SAP 40659920 GATES-PANOCHE #1 230KV TOWER NUMBER 020/093



# LOCATION PLAN

# DIRECTIONS

FROM T-MOBILE OFFICE @ 1755 CREEKSIDE OAKS DRIVE, SACRAMENTO, CA 95833:

- HEAD WEST ON CREEKSIDE OAKS DR TOWARD CAPITAL PARK DR.
- TURN LEFT ONTO CAPITAL PARK DR.
- TURN LEFT ONTO NATOMAS PARK DR.
- TURN RIGHT AT THE 1ST CROSS STREET ONTO GARDEN HWY. SLIGHT RIGHT TO MERGE ONTO I-5 S TOWARD LOS ANGELES.
- MERGE ONTO I-5 S.
- I-5 S TURNS SLIGHTLY RIGHT AND BECOMES I-5 S. TAKE EXIT 349 FOR DERRICK AVE.
- TURN RIGHT ONTO S DERRICK AVE.
- 11. SLIGHT LEFT ONTO S SAN MATEO AVE.

# 10. TURN LEFT TOWARD S SAN MATEO AVE.

## APPROVALS DATE: LEASING: DATE: ZONING: RF ENGINEER: \_\_\_\_\_ DATE: DATE: CONSTRUCTION: DATE: CONSTRUCTION: DATE: EQUIPMENT ENGINEER:

OWNER:

# PROJECT DIRECTORY

**LANDLORD:** JEFF PERACCHI JP FARMS 5151 NORTH PALM #900

FRESNO, CA, 93704 559-360-0142

**ARCHITECT:** MANUEL S TSIHLAS MST ARCHITECTS, INC. 1520 RIVER PARK DRIVE SACRAMENTO, CA 95815 916-565-9630 manuel@mstarchitects.com

**OWNER/APPLICANT:** T-MOBILE WEST LLC. 1755 CREEKSIDE OAKS DR. #190 SACRAMENTO, CA 95833

CONSTRUCTION MANAGER: BUDD WUELFING T-MOBILE WEST LLC. 1755 CREEKSIDE OAKS DR. #190 SACRAMENTO, CA 95833 530-863-7342

LANDLORD: STEVE MILLIKEN 245 MARKET STREET N10D SAN FRANCISCO, CA 94105 925-222-0536

# PROJECT SUMMARY

PROPERTY INFORMATION:

LATITUDE N36° 22' 12.18" LONGITUDE W120° 19' 32.31" NAD 83

ASSESSOR'S PARCEL NUMBER: 058-090-19S

**JURISDICTION:** FRESNO COUNTY

U (UNMANNED TELECOMMUNICATIONS FACILITY) **OCCUPANCY:** 

TYPE OF CONSTRUCTION: **ZONING:** AE 40

# C O D E C O M P L I A N C E

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

2016 CALIFORNIA BUILDING STANDARDS CODE, TITLE 24, CALIFORNIA CODE OF REGULATIONS EFFECTIVE JANUARY 1, 2017

CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE

PART 2 CALIFORNIA BUILDING CODE PART 2.5 CALIFORNIA RESIDENTIAL BUILDING CODE

CALIFORNIA ELECTRICAL CODE

CALIFORNIA MECHANICAL CODE

CALIFORNIA PLUMBING CODE CALIFORNIA ENERGY CODE

CALIFORNIA HISTORICAL BUILDING CODE

CALIFORNIA FIRE CODE CALIFORNIA EXISTING BUILDING CODE

CALIFORNIA GREEN BUILDING STANDARDS CODE

CALIFORNIA REFERENCE STANDARDS CODE

LOCAL COUNTY OR CITY ORDINANCES

ACCESSIBILITY REQUIREMENTS: THIS FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. ACCESSIBILITY NOT REQUIRED IN ACCORDANCE WITH THE 2016 CBC 11B-203.5, AND 11B-202.4 EXCEPTION 7.

# PROJECT DESCRIPTION

PROPOSED MODIFICATION OF AN NEW T-MOBILE TELECOMMUNICATIONS FACILITY. **INCLUDING:** 

\* INSTALL (6) NEW T-MOBILE PANEL ANTENNAS, (2) PER SECTOR, ON NEW PIPE

\* PROPOSED T-MOBILE 10'-0"x15'-0" LICENSE AREA.

\* INSTALL NEW 10'-0"x15'-0" CONCRETE SLAB AND NEW 3'-0"x6'-0" CONCRETE STOOP.

\* INSTALL (1) NEW T-MOBILE RBS 6102 EQUIPMENT CABINET ON NEW CONCRETE PAD.

\* INSTALL (1) NEW T-MOBILE 200A PPC PANEL AND SERVICE METER MOUNTED ON NEW UTILITY H-FRAME.

\* INSTALL (3) NEW T-MOBILE TMA ON NEW PIPE MOUNTS.

\* INSTALL NEW PG&E 12'-0" TOP HAT.

\* INSTALL (1) NEW T-MOBILE 2' MICROWAVE DISH (VHLP2) W/ (1) ODU.

\* INSTALL (1) NEW T-MOBILE 1/2" MICROWAVE CABLE.

\* INSTALL (6) NEW T-MOBILE 1-5/8" COAXIAL CABLE.

\* INSTALL (9) NEW T-MOBILE RRUS11 ON UTILITY H-FRME.

WANUEL S. TSIHLAS, ARCHITECT, INC., WHETHER THE PROJECTS ANY PERSON OR ENTITY ON OTHER PROJECTS WITHOUT PRIOR

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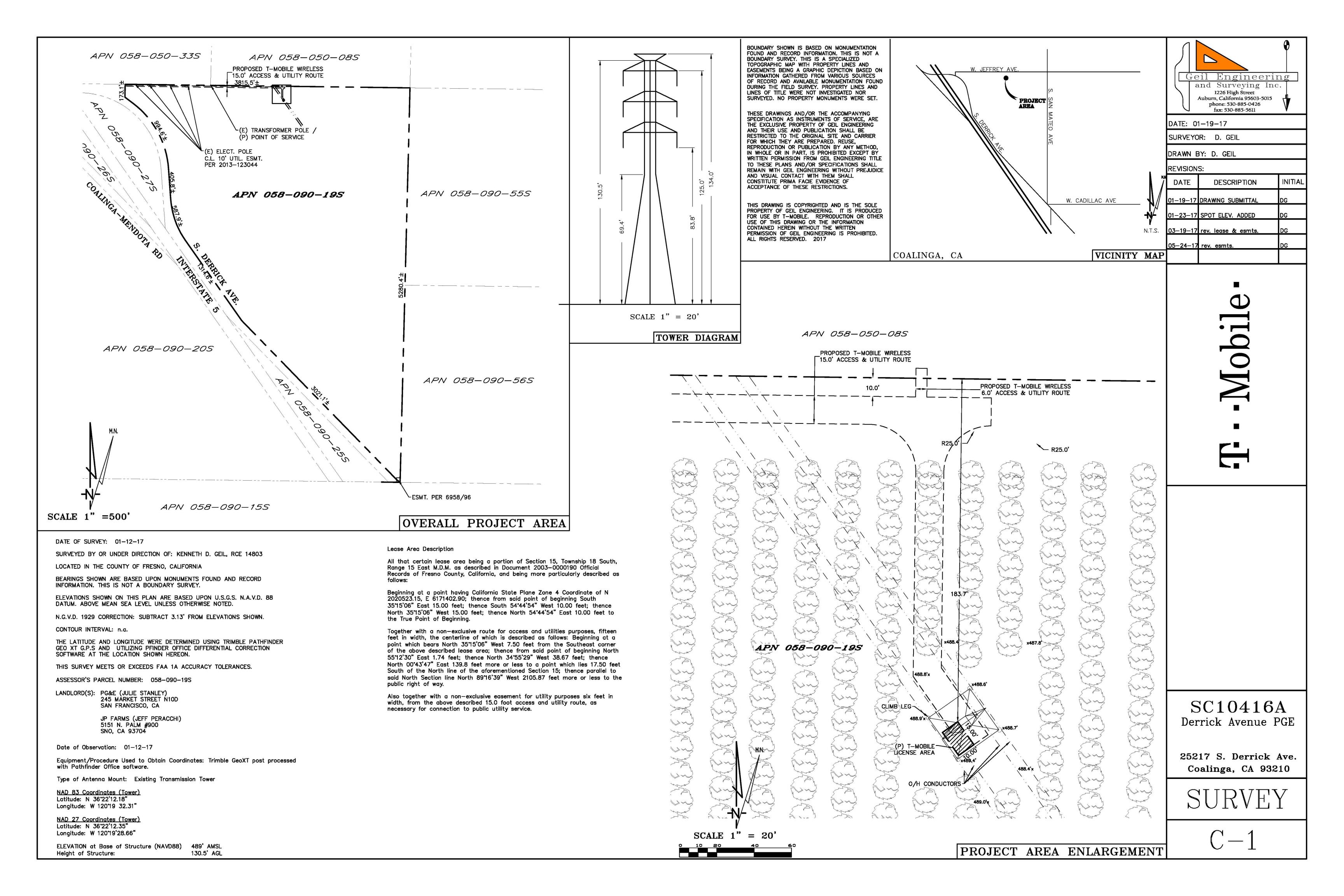
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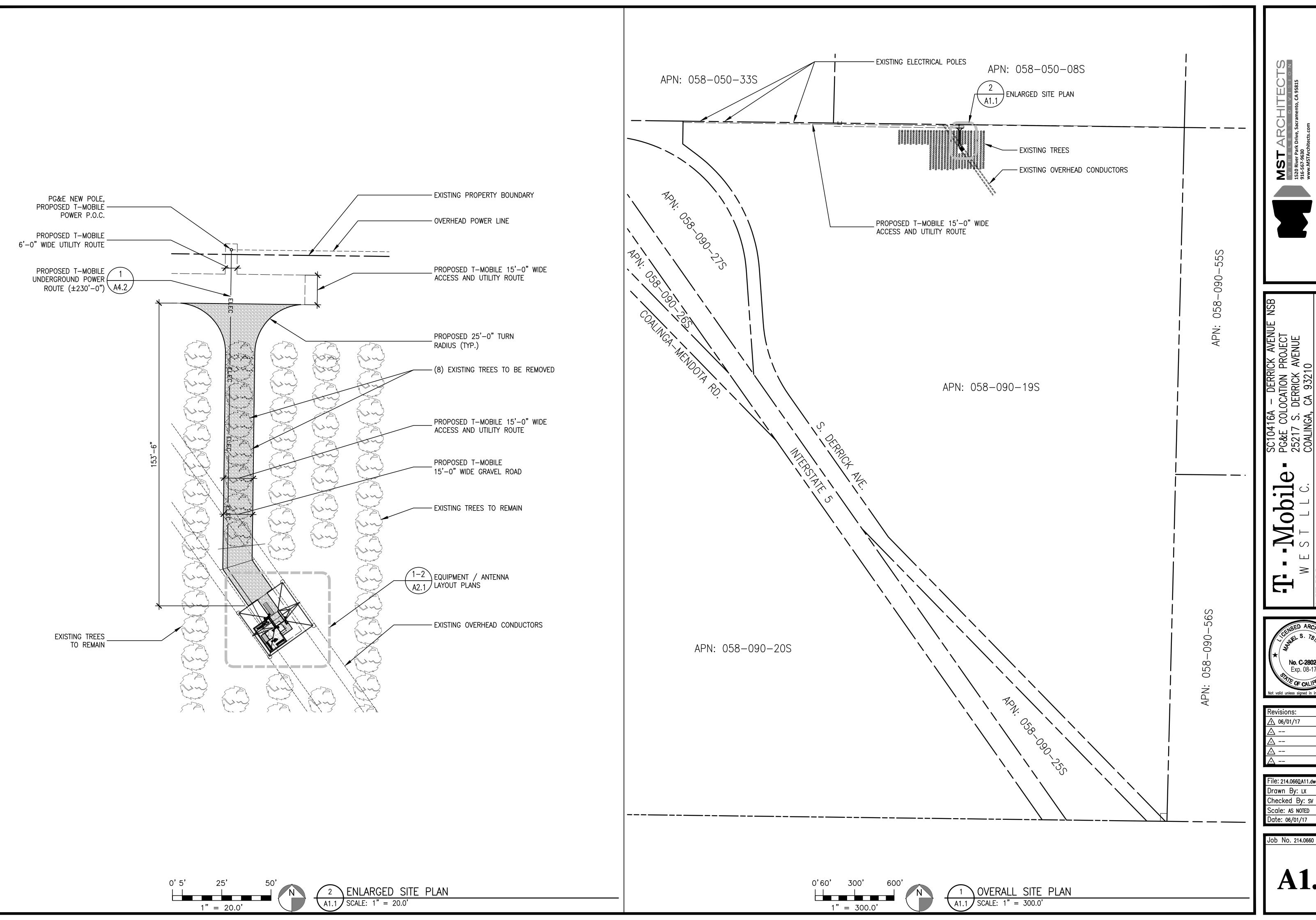
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Revisions: **↑** 06/01/17

File: 214.0660 T11.dwa Drawn By: LX Checked By: sv Scale: AS NOTED Date: 06/01/17

Job No. 214.0660





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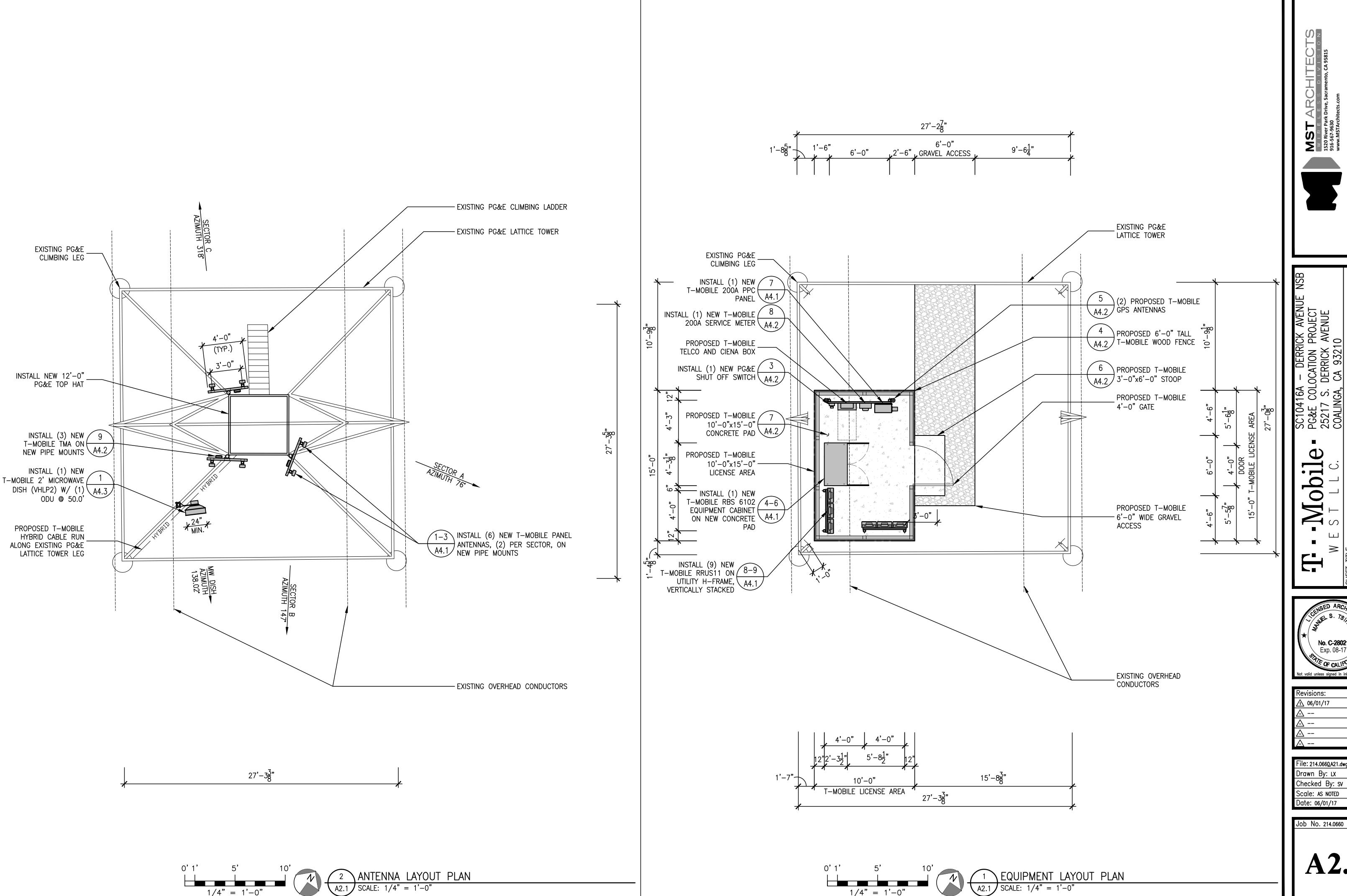
SC10416A – DERRICK AVENUE I PG&E COLOCATION PROJECT 25217 S. DERRICK AVENUE COALINGA, CA 93210 -Mobile

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**No. C-28021** Exp. 08-17 Not valid unless signed in ink by licensee.

Revisions: 

File: 214.0660A11.dwg Drawn By: LX Checked By: sv Scale: AS NOTED Date: 06/01/17



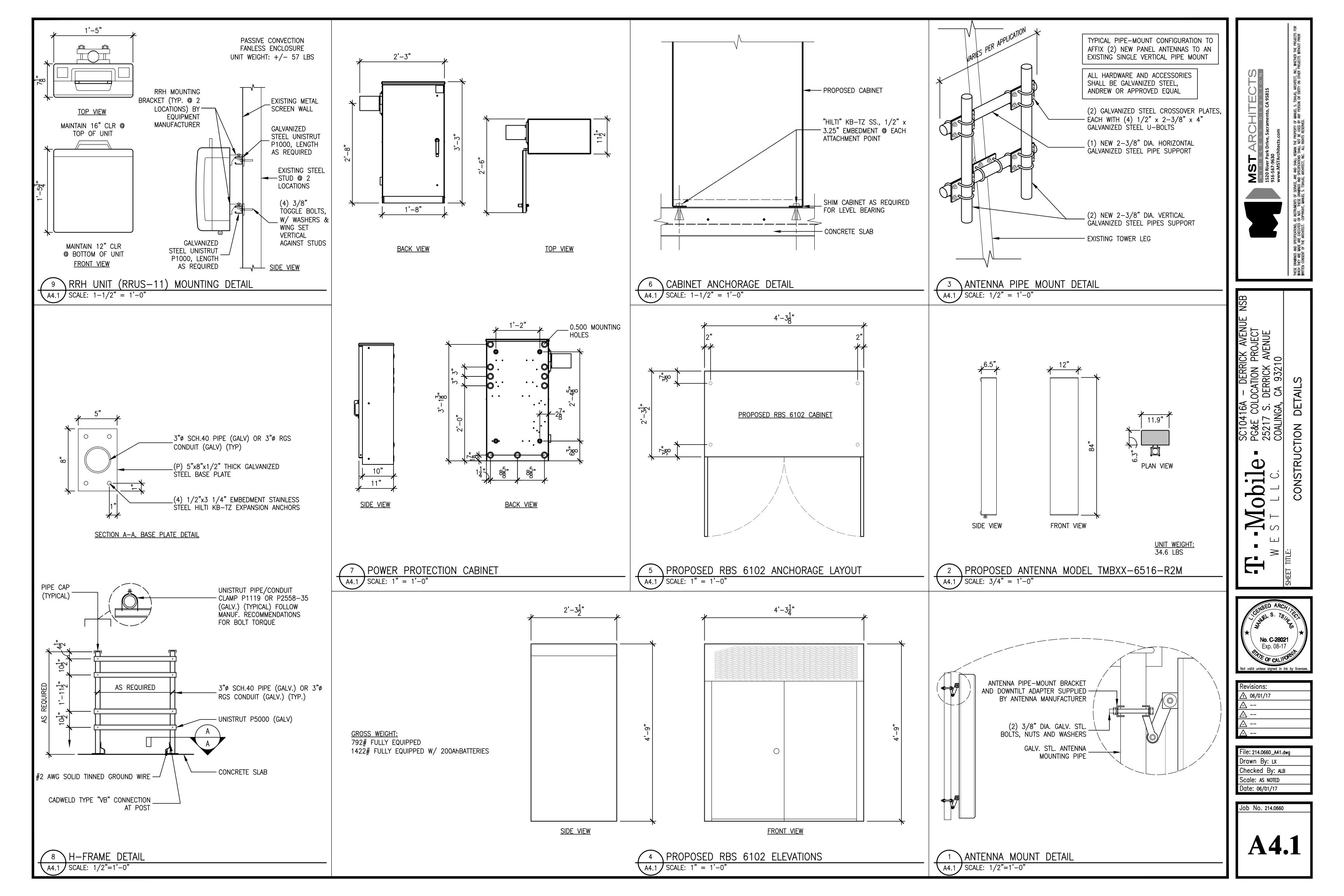
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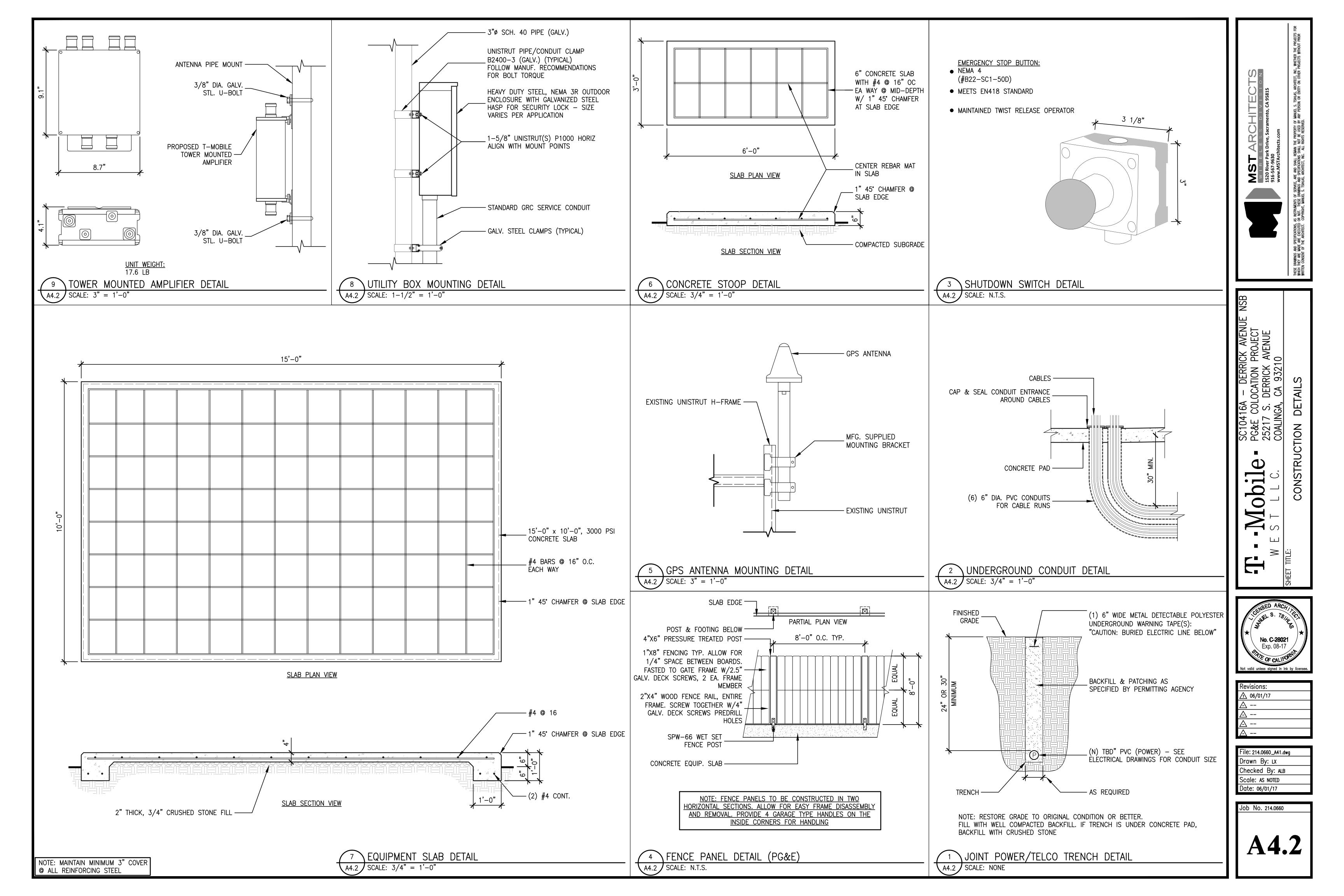
PLANS LAYOUT -Mobile EQUIPMENT

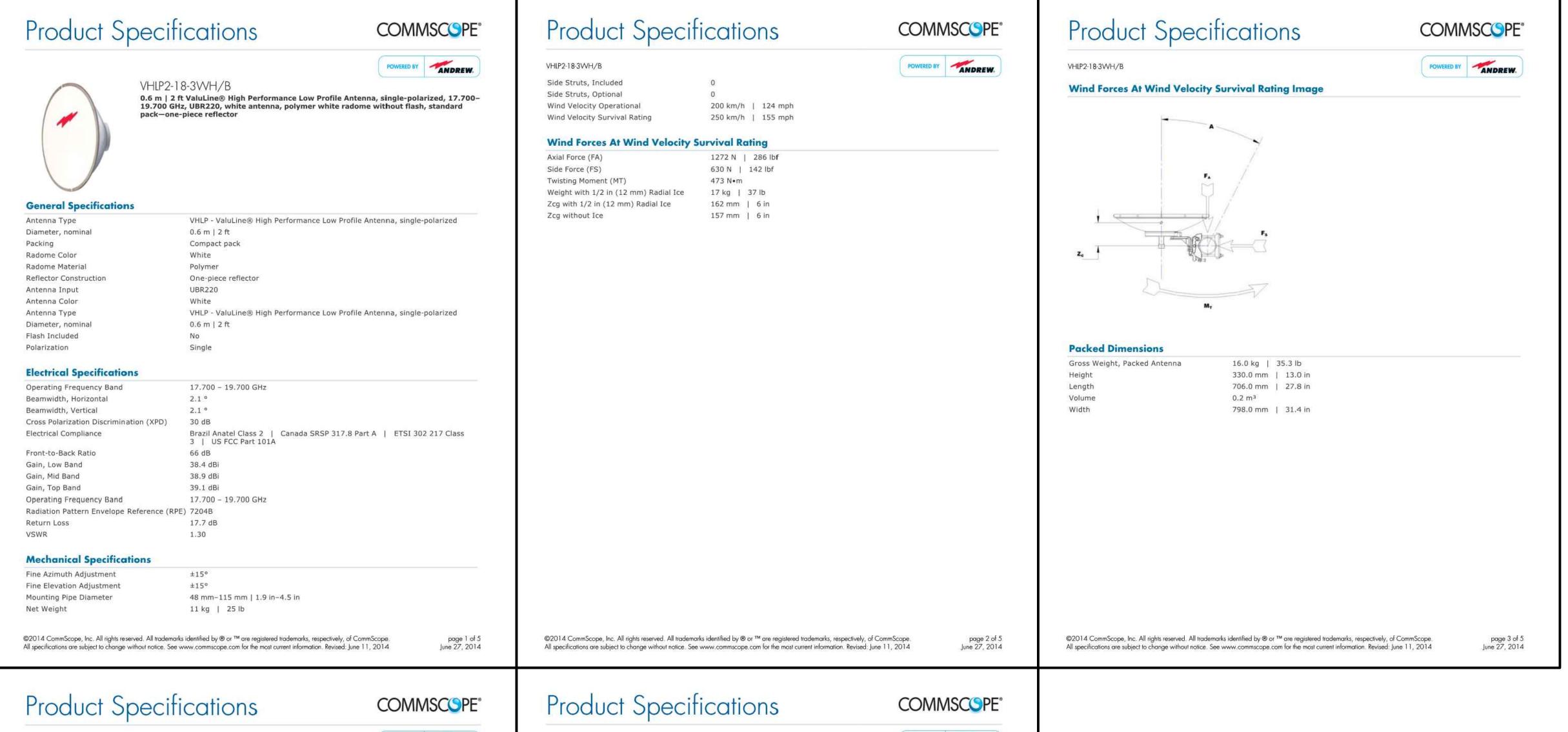


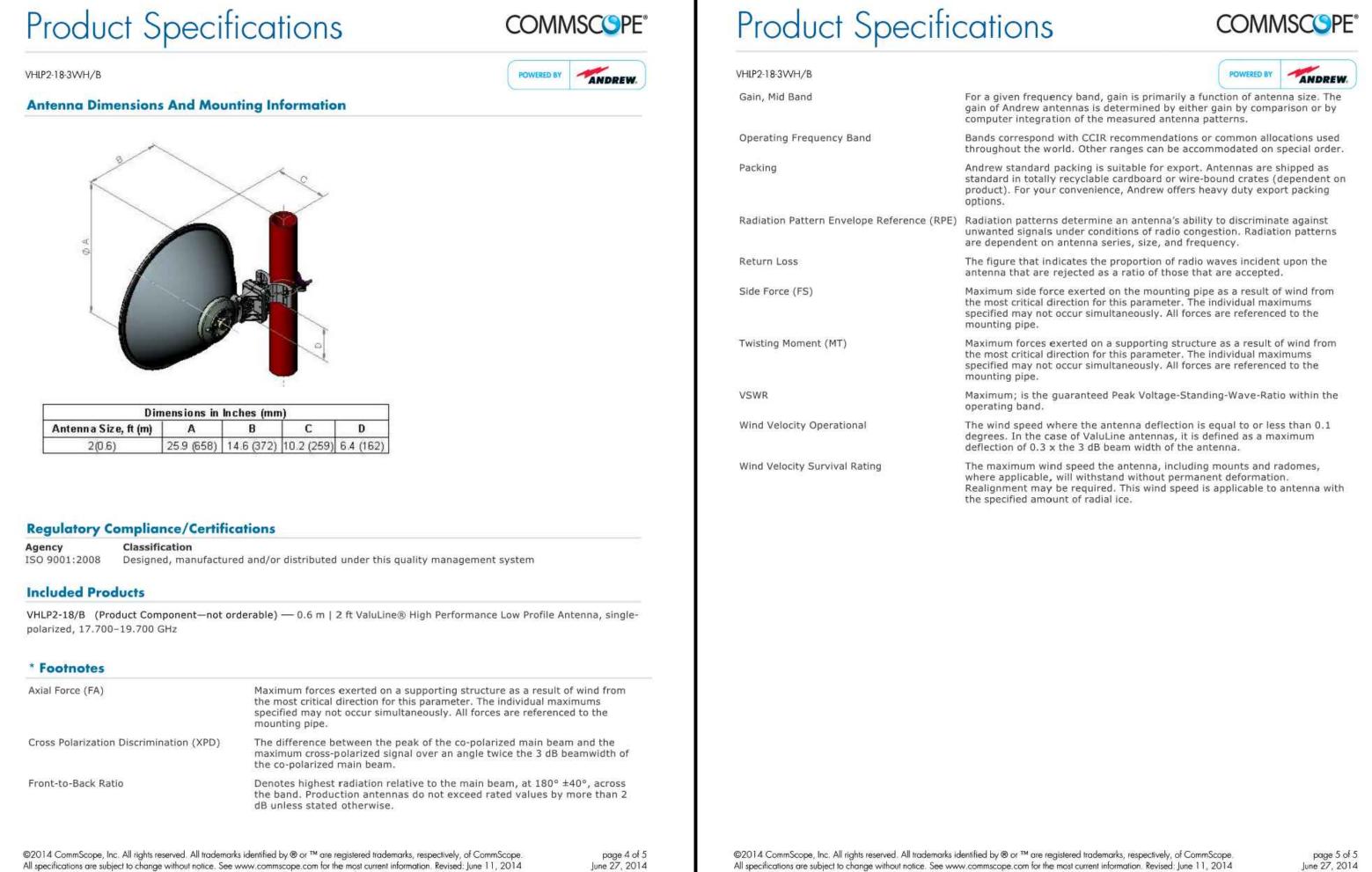
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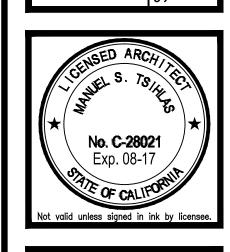
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Mobil

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Checked By: ALB

Scale: AS NOTED

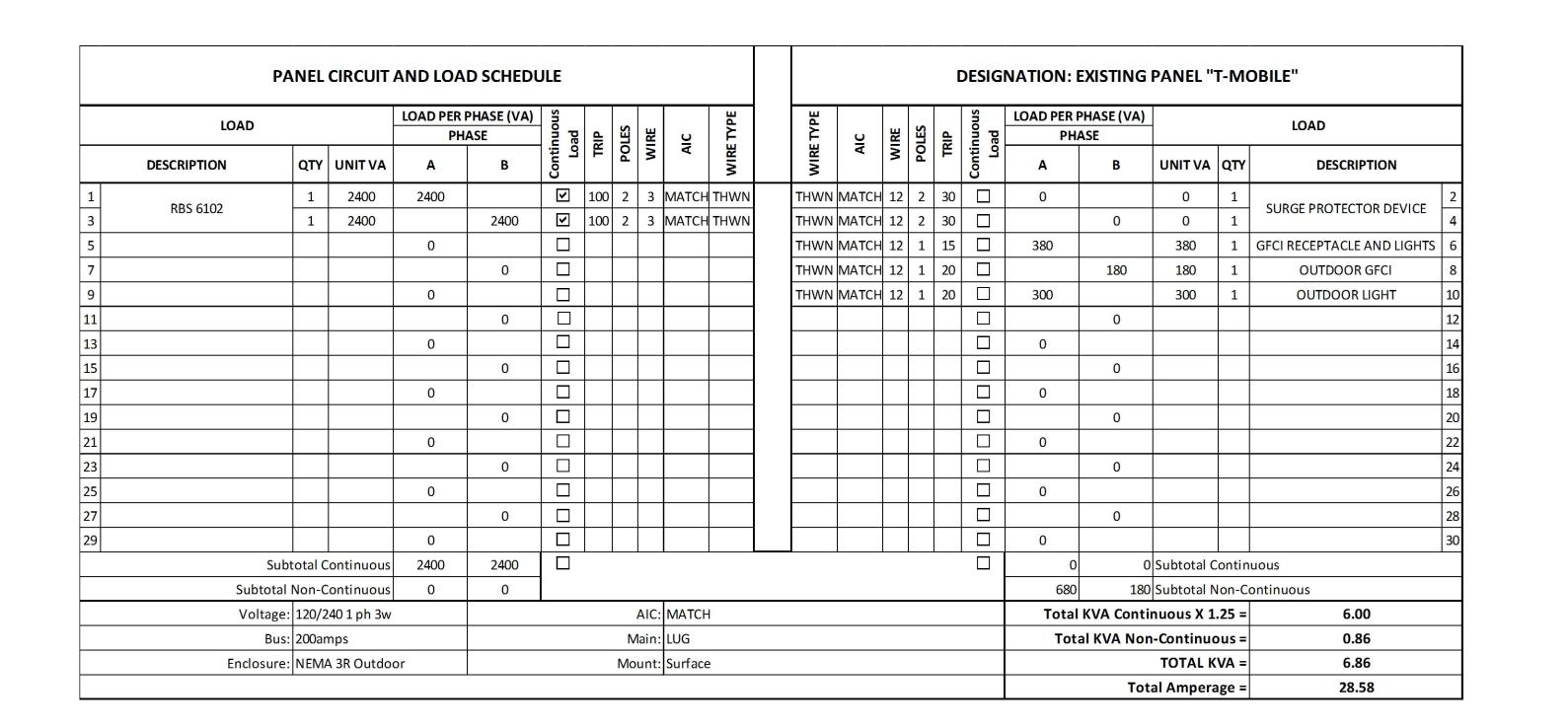
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Job No. 214.0660

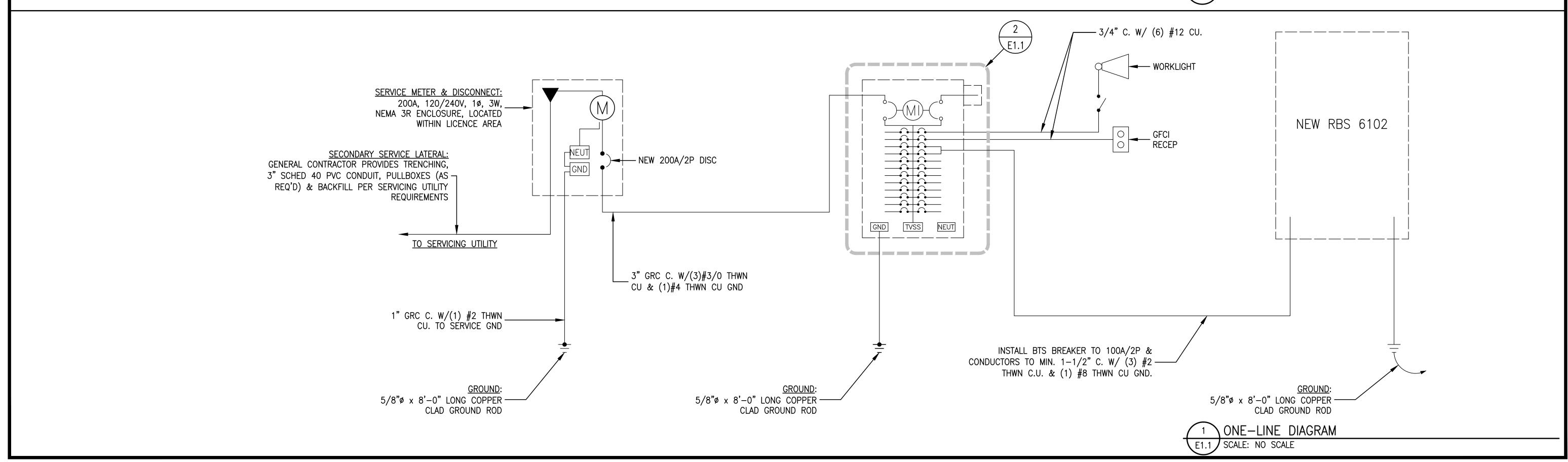
A4.1

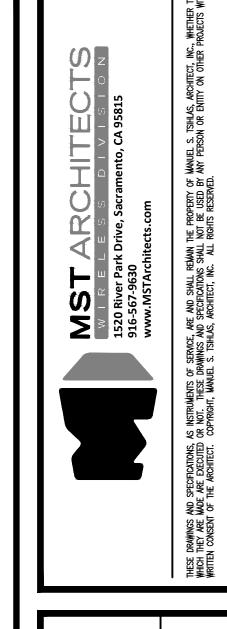
MICROWAVE DISH SPECIFICATIONS

SCALE: 1/4" = 1'-0"



PANEL SCHEDULE E1.1 SCALE: NO SCALE

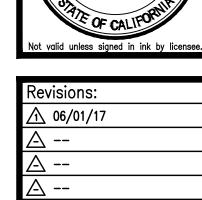




SCHEDULE

-Mobile

No. C-28021 Exp. 08-17

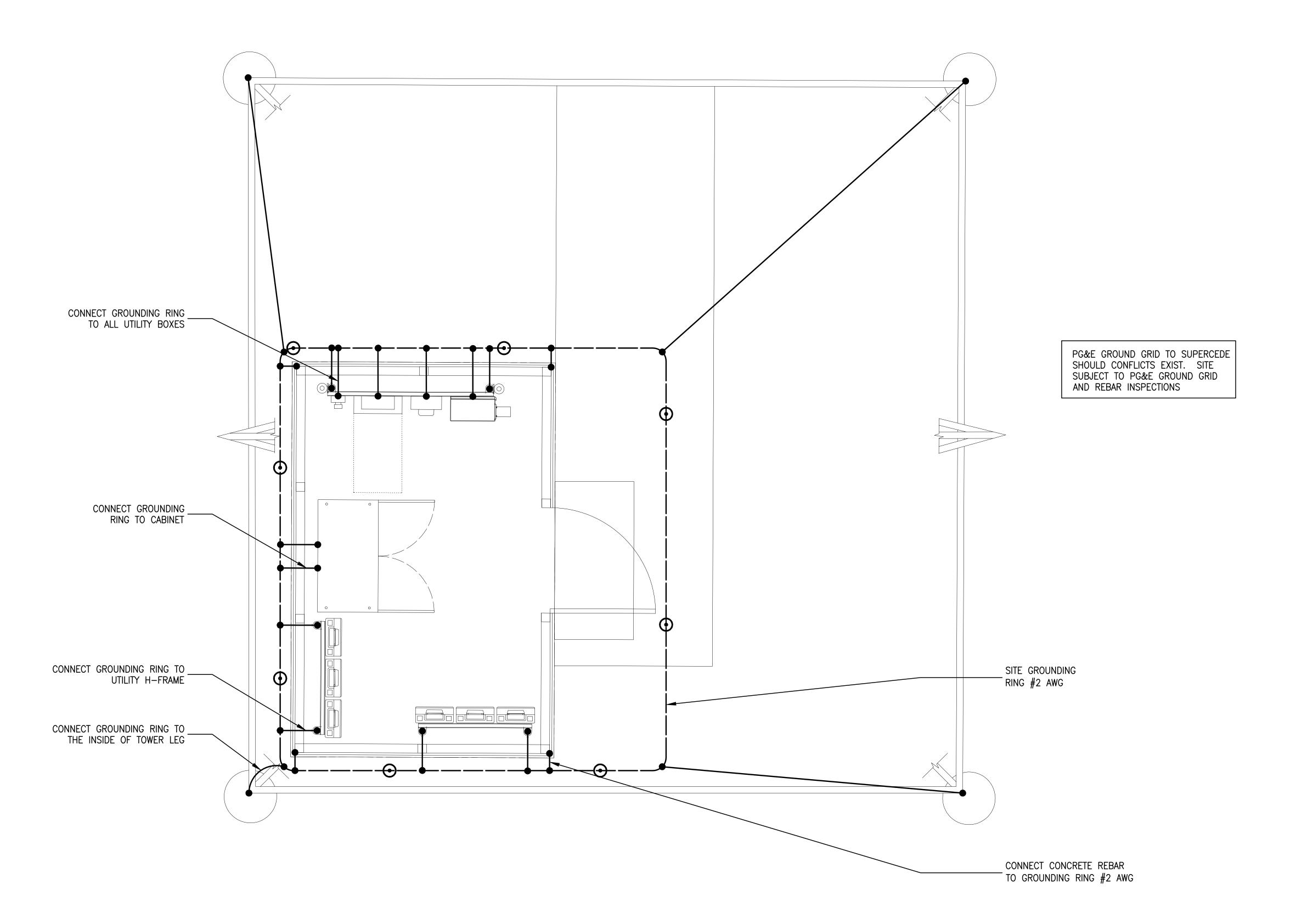


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Checked By: ALB
Scale: AS NOTED

Date: 06/01/17

Job No. 214.0660

E1.1



#1 NO CADWELDS TO ANY GROUND BARS

 $lap{\#}2$  RUN 2/0 GREEN INSULATED GROUND FROM THE COAX GROUND BAR TO THE MASTER GROUND BAR

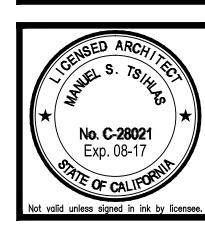
#3 CONNECT LEAD 20 FROM THE GROUND BAR INSIDE THE ILC PANEL TO THE MASTER GROUND BAR

#4 BE SURE NEUTRAL & GROUND ARE NOT BONDED IN THE GENERATOR

#5 GROUND ALL METAL ENCLOSURES TO THE HALO, INCLUDING LOUVERS, ALARM BLOCK, ETC. #6 PLASTIC TY-RAPS ARE NOT TO BE USED ON ANY GROUND ATTACHMENTS BUT ONLY WAX STRING

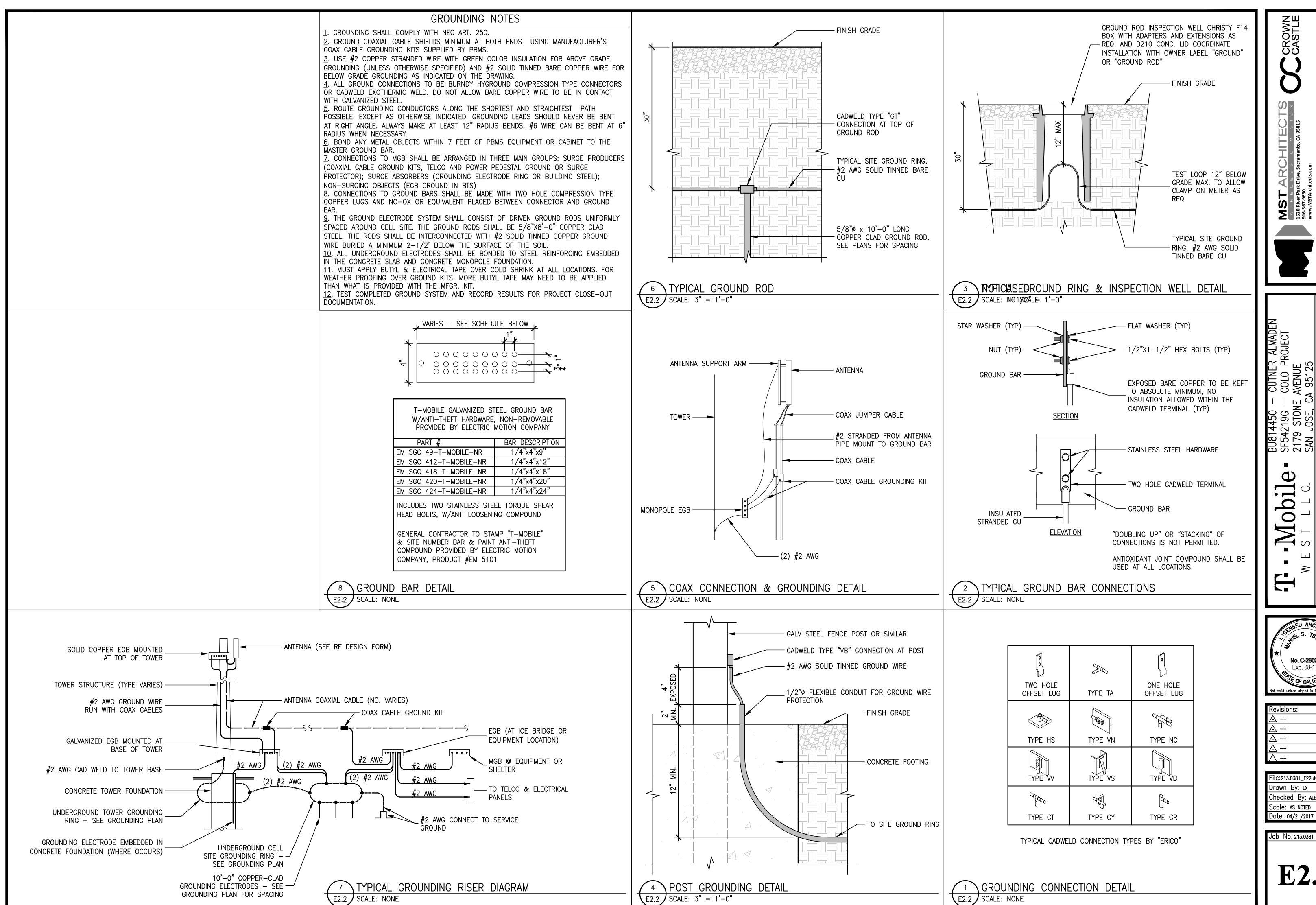
1 GROUNDING PLAN E2.1 SCALE: 1/4" = 1'-0"

-Mobile



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Job No. 214.0660



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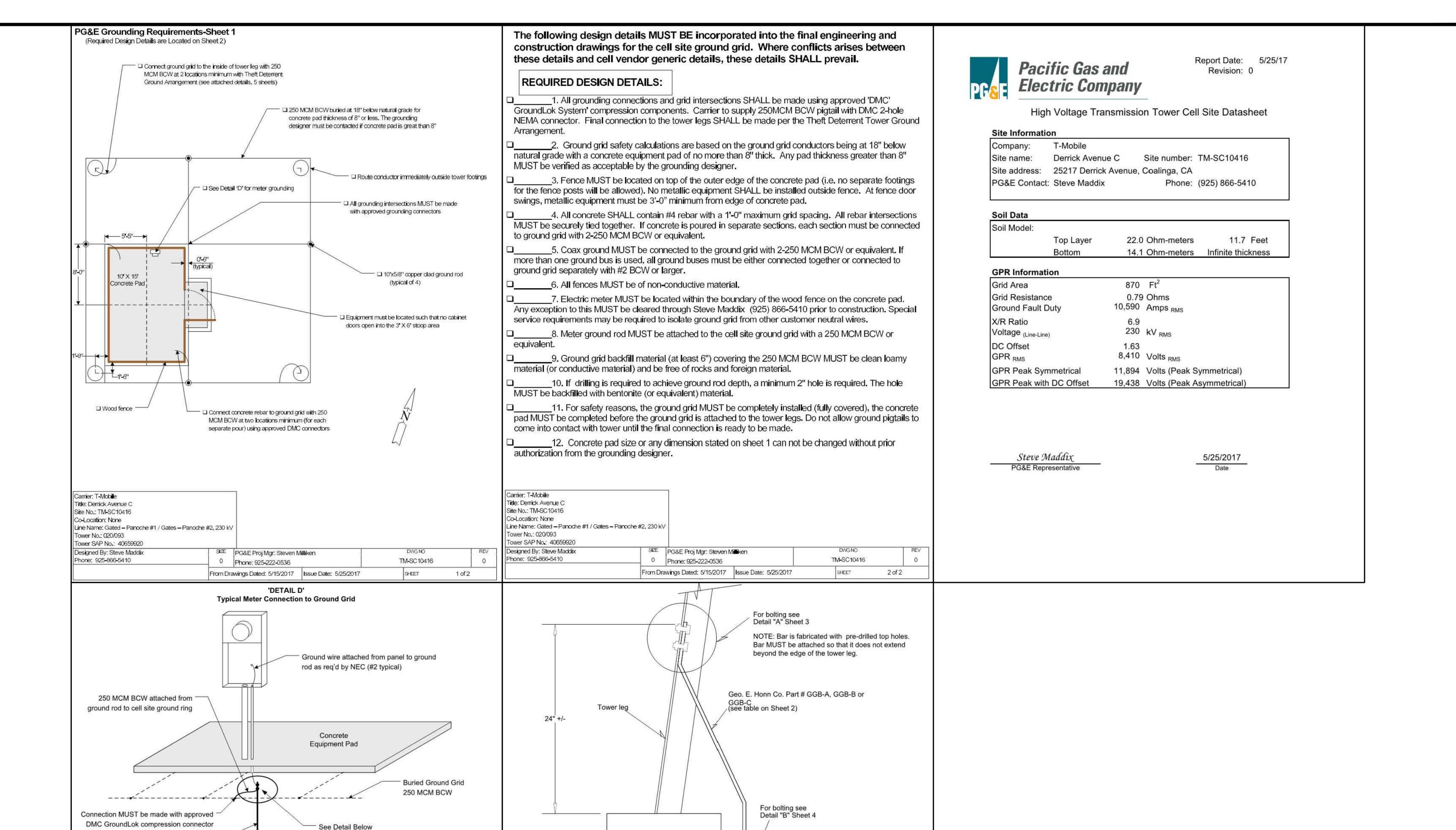
CUTNER ALMADE COLO PROJECT AVENUE A 95125 BU814450 -SF54219G -2179 STONE , SAN JOSE, CA

GROU

No. C-28021 Exp. 08-17 Not valid unless signed in ink by licensee

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E2.2



Tower foundation

SIZE Revision Date:

7/29/09

2 hole tinned terminal (for 250 MCM BCW) -

Finish Grade

DMC GroundLok, GC920B025

4" - 6" above ground

1 1/2" or 2" Sch. 80 PVC electric conduit

as much native soil as possible but no

higher than finish grade)

250 MCM BCW

x 12" long (Fill the inside of the conduit with

1 of 5

Ground Rod

250 MCM BCW to Ground Grid

Title: Typical Grounding Connection from Cell Site

rawn By: Steve Maddix

pproved By: Marcia Eblen, PE

#2 AWG

5/8" Ground

Revision Date:

8/4/2011

#2 AWG to Meter

Reference Drawings: Sheet 2 Ground Bar Details

Sheet 3 Bolting Detail "A"

Sheet 4 Bolting Detail "B"

Sheet 5 Installation Guide

Title: Theft Deterrent Tower Ground Arrangement

Revision Drawn By: Steve Maddix

proved By: Marcia Eblen

Drawn By: Bill DeHart

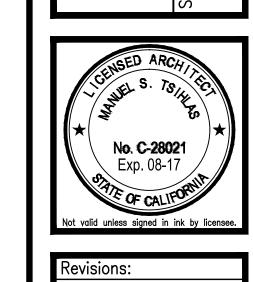
GC732BL02G-562

5/8" Ground Rod

GC736B562-025

Meter Connection - Detail 'D'

250 MCM



SC10416A – DERRICK AVENUE I PG&E COLOCATION PROJECT 25217 S. DERRICK AVENUE COALINGA, CA 93210

SROUNDING

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Drawn By: ALB

Checked By: MST

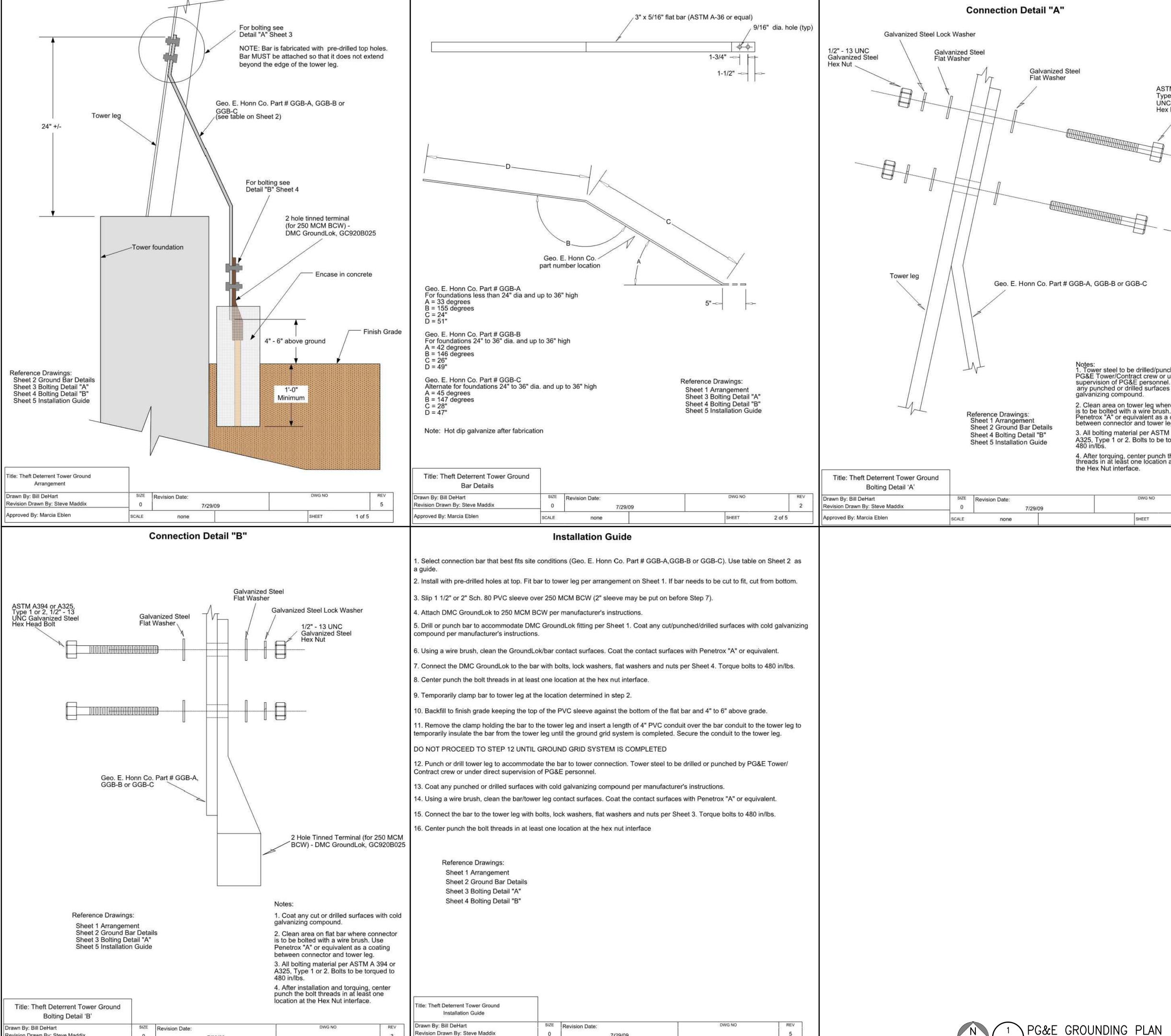
Scale: AS NOTED

Date: 06/01/17

Job No. 214.0660

**E2.**3

PG&E GROUNDING PLAN
E2.3 SCALE: 1/4" = 1'-0"



7/29/09

5 of 5

pproved By: Marcia Eblen

Revision Drawn By: Steve Maddix

pproved By: Marcia Eblen

7/29/09

ASTM A394 or A325, Type 1 or 2, 1/2" - 13 **UNC Galvanized Steel** Hex Head Bolt Notes:
1. Tower steel to be drilled/punched by PG&E Tower/Contract crew or under direct supervision of PG&E personnel. Coat any punched or drilled surfaces with cold 2. Clean area on tower leg where connector is to be bolted with a wire brush. Use Penetrox "A" or equivalent as a coating between connector and tower leg. 3. All bolting material per ASTM A 394 or A325, Type 1 or 2. Bolts to be torqued to 480 in/lbs. 4. After torquing, center punch the bolt threads in at least one location at

3 of 5

SC10416A – DERRICK AVENUE PG&E COLOCATION PROJECT 25217 S. DERRICK AVENUE COALINGA, CA 93210

Mobil

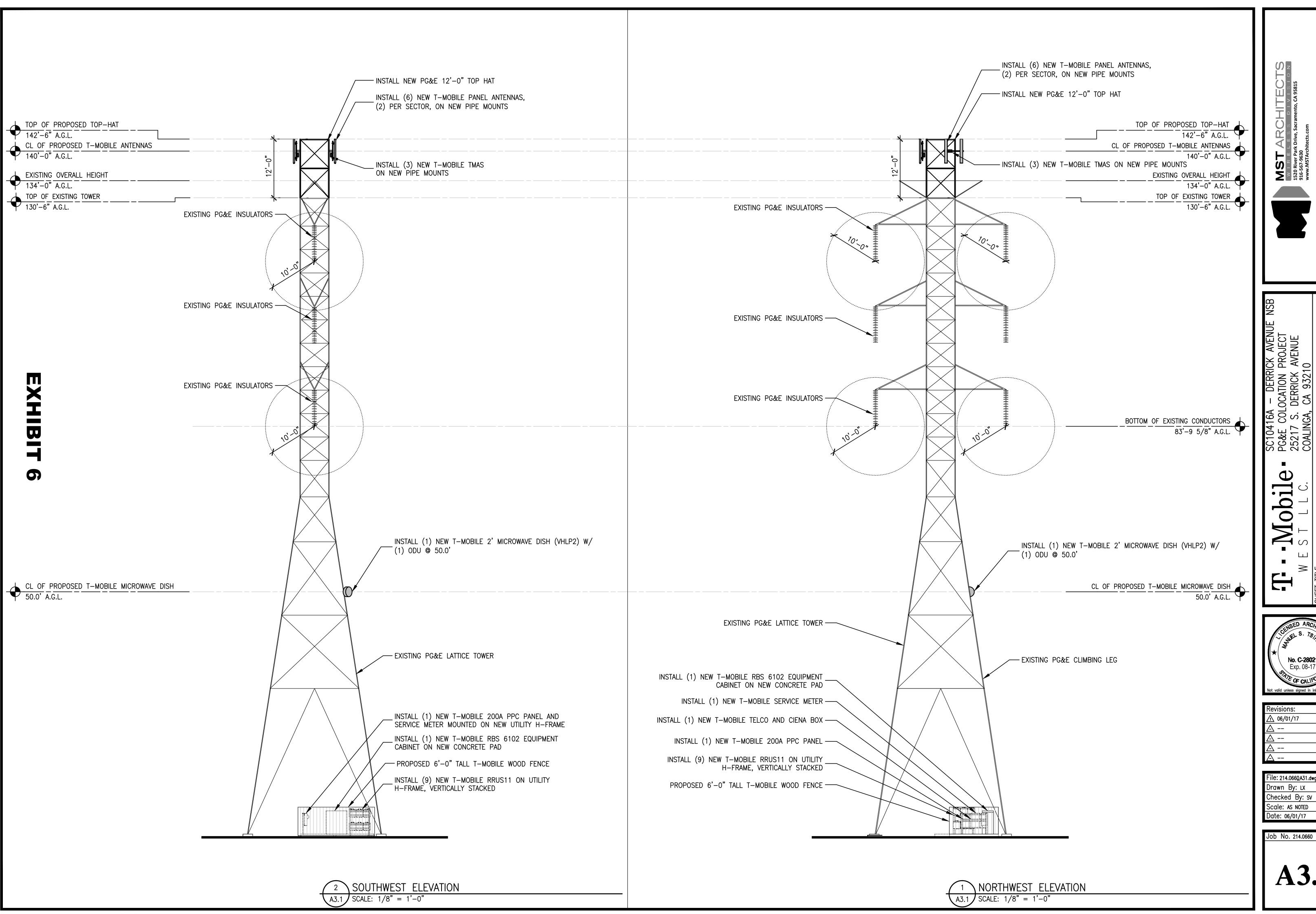
GROUNDING

Exp. 08-17

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File: 214.0660\_E24.dwg Drawn By: ALB Checked By: MST Scale: AS NOTED Date: 06/01/17

Job No. 214.0660





**PROJECT** -Mobile

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<u> 1</u> 06/01/17

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#### **Operational Statement**

AUG 28 2017

DEPARTMENT OF PUBLIC WORKS AND PLANNING DEVELOPMENT SERVICES DIVISION

# T-Mobile's PG&E Derrick Avenue Collocation Site SC10416 / 25217 S. Derrick Road, Coalinga, CA 93210 / APN: 058-090-19S

This proposed, new T-Mobile wireless communications facility will be constructed on and beneath an existing PG&E lattice tower near the intersection of W. Jeffrey Avenue and S. San Mateo Avenue west of I-5 not far from the Town of Three Rocks, CA

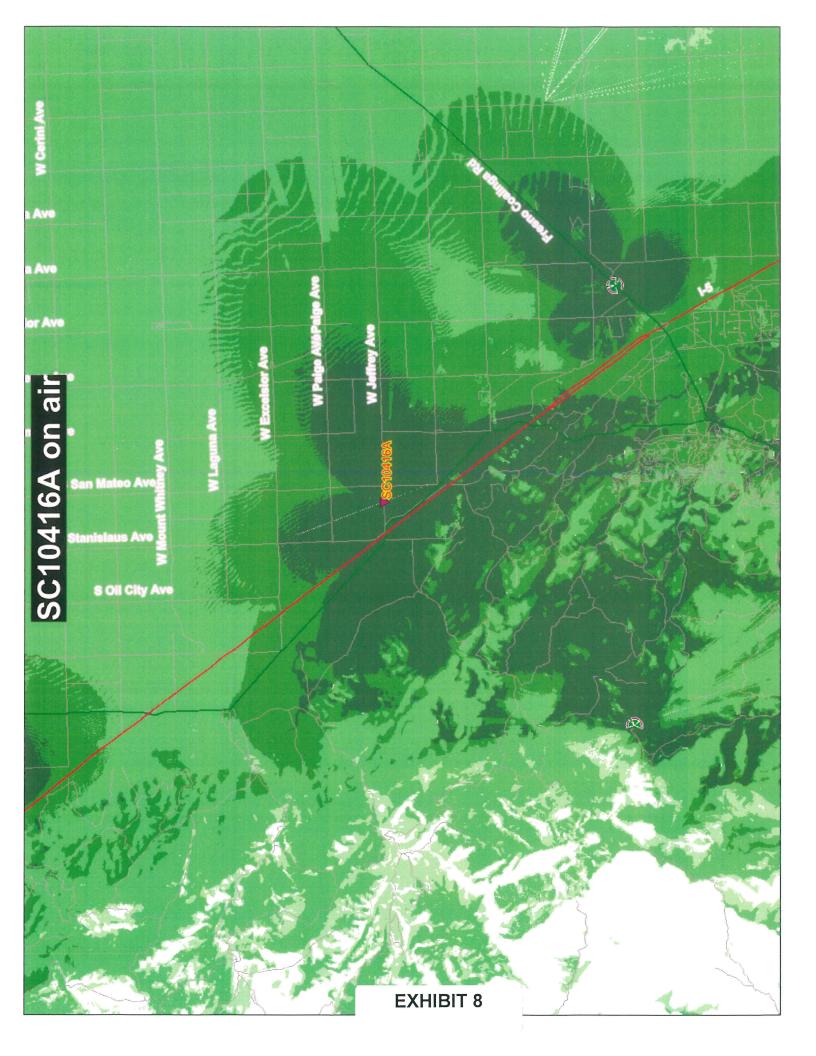
T-Mobile will be installing its outdoor, ground mounted equipment in a  $10' \times 15'$  lease area within the  $27' \times 27'$  tower base of an existing PG&E transmission tower. T-Mobile's ground mounted equipment will consist of outdoor Radio Cabinets (BTS Units), Power and Telco interface units and Remote Radio Units (RRU's). The equipment will be mounted on a new Slab-On-Grade. The lease area and related equipment will be surrounded by 6'-0'' wood fence.

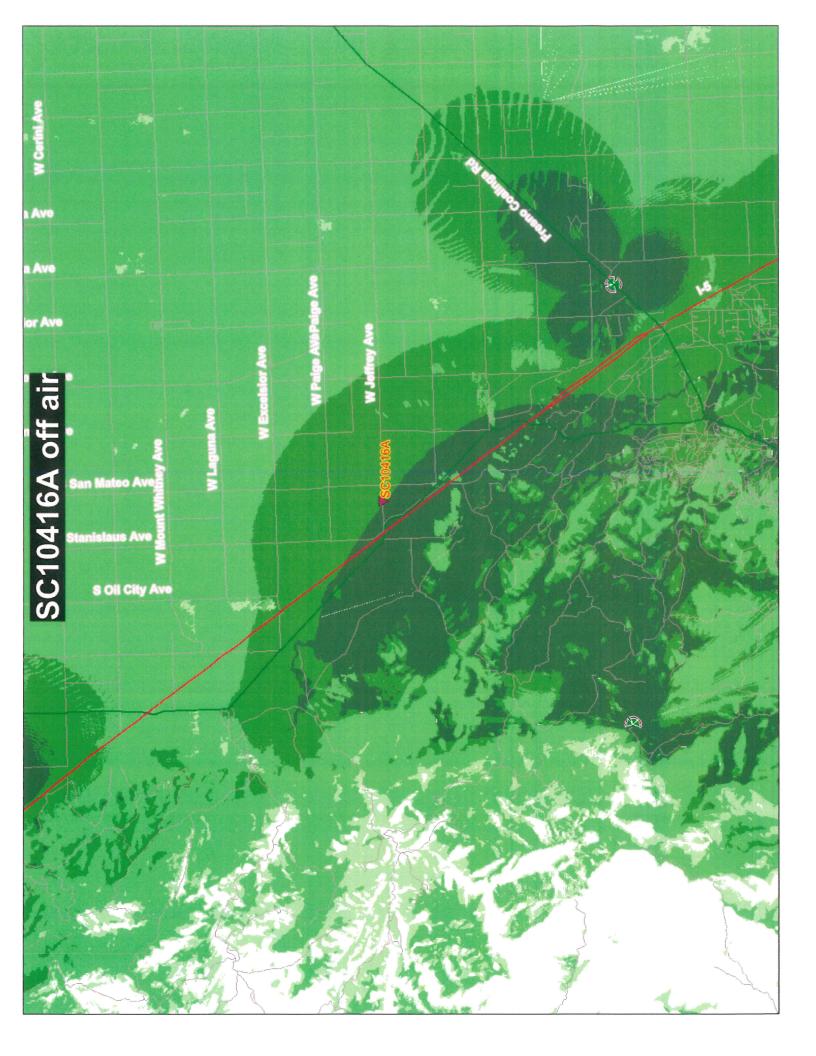
T-Mobile's tower mounted equipment will consist of six panel antennas and three tower mounted amplifiers (TMA's) which will be mounted on a 12'-0" tower extension. The existing PG&E tower is 130'-6" AGL, the new 12'-0" tower extension will raise the overall height of the tower to 142'-6" AGL. The centerline height of T-Mobile's panel antennas will be 140'-0" AGL. Six, new 1-5/8" coaxial cables will be mounted on the southeast tower leg and run from the ground mounted equipment up to the panel antennas. One 2' dia. microwave dish will be installed at 50'-0" AGL.

The tower extension will move the panel antennas a safe working distance from the existing transmission lines per PG&E safety guidelines and provide improved wireless communications coverage in and around the intersection of I-5 and Derrick Avenue and along Interstate 5. The commercial and agricultural nature of this parcel combined with the many, existing transmission towers near this proposed facility make this an ideal location for a communications facility and will greatly improve wireless service to T-Mobile customers on I-5.

Access to the proposed T-Mobile lease area will be from W. Jeffrey Ave. via 12'-0" wide non-exclusive access and utility easement. There will also be a 6'-0" wide non-exclusive utility easement for the purpose of bringing power from existing distribution points on the parcel to T-Mobile's new facility. Power and telco (fiber) will be run underground from existing utility points of demarcation to the new T-Mobile facility.

This T-Mobile facility will operate 24/7/365. It is visited regularly as a part of a standard maintenance routine. This unmanned facility does not produce any waste or use any water. The sealed, gel-filled batteries used at this facility are well below those levels established and outlined in the Comprehensive Hazardous Waste and Substances Statement list.







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Photosimulation of the view looking south from the dirt access roads. Not a public viewpoint.

