1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

1 2 3 4 5 6 7 8 9 10 11

4. SPECIAL INSPECTIONS

A. A STATEMENT FOR SPECIAL INSPECTION PREPARED BY THE SPECIAL INSPECTION AGENCY OF RECORD IN ACCORDANCE WITH 2016 CBC 1703A.1 MUST BE SUBMITTED PRIOR TO ISSUANCE OF PERMITS. THE SPECIAL INSPECTION AGENCY MUST BE CERTIFIED BY THE ICC (INTERNATIONAL CODE COUNCIL) AND APPROVED BY THE BUILDING OFFICIAL. THE PROPOSAL MUST INDICATE THAT SPECIAL INSPECTION WAS RETAINED BY THE OWNER, OR THE OWNER'S AGENT, BUT NOT THE CONTRACTOR OR THE PERSON RESPONSIBLE FOR THE WORK. THE PROPOSAL MUST IDENTIFY THE SCOPE OF REQUIRED INSPECTIONS, LIST THE INDIVIDUALS PERFORMING THE INSPECTIONS (INCLUDE CURRENT INDIVIDUAL CERTIFICATIONS AS WELL AS THE LABORATORY'S CERTIFICATION), AND MUST BE

- ATTACHED TO EACH SET OF PLANS. B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING ALL SPECIFIED INSPECTIONS AND TESTING WITH THE INSPECTION/TESTING AGENCY. SEE SPECIFICATIONS FOR REQUIRED INSPECTIONS AND TESTING REQUIRED.
- C. THE FOLLOWING ITEMS ARE SUBJECT TO "SPECIAL INSPECTION" IN CONFORMANCE WITH CBC SEC. 1701. (EXCEPTIONS MAY BE TAKEN WHERE APPLICABLE): 1. CONCRETE WHEN DESIGN fc > 2500 psi. (SEE CONCRETE MIX DESIGN SCHEDULE). 2. SPECIAL GRADING, EXCAVATION, AND FILLING.

5. ADDITIONAL SPECIAL **INSPECTION ITEMS**

SOILS PER CBC TABLE 1705A.6					
TASK	CONTINUOUS	PERIODIC			
VERIFY MATERIAL BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY		X			
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		X			
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		X			
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X				
PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUB-GRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		X			

	i i	A.3
TASK	CONTINUOUS	PERIODI
1. INSPECT PLACEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT		X
2. REINFORCING BAR WELDING:		
A) VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706		X
B) INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"		X
C) INSPECT ALL OTHER WELDS	X	
3. INSPECT ANCHORS CAST IN CONCRETE		X
4. INSPECT ANCHORS POST INSTALLED IN HARDENED CONCRETE MEMBERS		
A) ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLYINCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	X	
B) MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.		X
5. VERIFY USE OF REQUIRED DESIGN MIX.		X
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X	
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATIONS	X	
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		X
9. INSPECT PRESTRESSED CONCRETE FOR:		
A) APPLICATION OF PRESTRESSING FORCES	X	
B) GROUTING OF BONDED PRESTRESSING TENDONS	X	
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS		X
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS		X
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		X

3. CONCRETE

A. GENERAL: ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE ACI MANUAL OF CONCRETE PRACTICE AND THE C.B.C.

- B. REINFORCING MATERIALS: 1. DEFORMED ASTM A615 OR A706 - GRADE 60 . WELDED WIRE FABRIC. ASTM A1064 3. WELDED REBAR (IF USED): ASTM A706
- C. CONCRETE MIX DESIGNS: CONCRETE MIX SHALL BE LIMITED BY THE FOLLOWING. SEE SPECIFICATIONS FOR OTHER CONCRETE MIX INFORMATION.

LOCATION	COMP. STRENGTH (fc)	MINIMUM SACKS/YD.	MAX. WATER/ CEMENT RATIO	AGGREGATI SIZE
TYPICAL INTERIOR SLAB ON GRADE	4,000 psi (DESIGN=2,500 psi)	6½ (15% FLYASH SUBSTITUTE REQUIRED)	.45	ASTM C33 SIZE 57
FOOTINGS	3,000 psi (SPECIAL INSPECTION)	5½	.60	ASTM C33 SIZE 57
EXTERIOR WALKWAYS & SITE WORK	SEE CIVIL	-	-	-
EXTERIOR WALKWAYS	(SPECIAL INSPECTION)	5½ -	.60 -	

- D. ADMIXTURES: ONLY AS APPROVED BY THE ARCHITECT.
- E. NO WELDING OF REINFORCING STEEL SHALL BE ALLOWED.
- F. LAP SPLICES: SEE SCHEDULE BELOW.

EXPERIENCED PERSONNEL.

TEST SAMPLES.

- G. COVER TO BARS: SEE SCHEDULE BELOW.
- H. CONCRETE CURING: SEE SPECIFICATIONS.

I. FORM REMOVAL: SIDE FORMS OF FOOTINGS SLABS ON GRADE, MINIMUM 2 DAYS.

- J. VIBRATION: VIBRATE ALL CONCRETE IN PLACE WITH A MECHANICAL VIBRATOR USED BY
- K. TESTING: IN ACCORDANCE WITH ACI-318, SECTION 26.12. SEE SPECIFICATIONS FOR TAKING OF
- L. DRILLED AND EXPOXIED ANCHOR BOLTS: WHERE ANCHOR BOLTS OR HOLDOWN BOLTS ARE OMITTED, BOLTS SHALL BE SUBSTITUTED WITH DRILLED OR EPOXIED ANCHORS PER ENGINEERS WRITTEN DIRECTION.

CONCRETE REINFORCEMENT COVER

LOCATION	MINIMUM COVER
CONCRETE CAST AND PERMANENTLY EXPOSED TO EARTH:	3"
CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 THROUGH #18 BAR	2"
#5 BAR, W31 OR D31, AND SMALLER	1½"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:	
SLABS, WALLS, JOISTS:	
#14 AND #18 BAR #11 BAR AND SMALLER	1½" ¾"

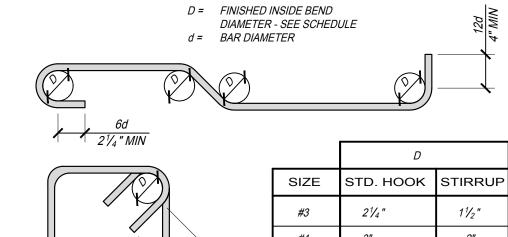
CONCRETE REINFORCEMENT LAP SPLICES

MIN. SPLICES UNLESS OTHERWISE DIMENSIONED ON DRAWINGS CONCRETE BAR TYPES

FOOTING BARS (OTHER THAN TOP BARS) HORIZ. & VERT. WALL BARS FOOTING 'TOP BARS'

					'TOP BAR'	= HORIZ. BARS	WHERE
BAI	R SIZE	CL1	CL2	CL3	d > 12" FRESH CONCRETE PLACEL BELOW HORIZ. REINF.		E PLACED
	#4	24"	30"	48"	Γ	• •	<u> </u>
	#5	30"	36"	60"			
	#6	40"	48"	72"			Q
`							

REINFORCEMENT BENDING REQUIREMENTS



31/4"

Ed min
∕− WIRE TOGETHER
*
REBAR LAP SEE SCHEDULE

1. GENERAL NOTES

- A. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE CALIFORNIA BUILDING CODE (CBC), 2016 EDITION, AND ALL OTHER PUBLICATIONS AND STANDARDS LISTED HEREIN.
- B. ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL,
- ELECTRICAL, AND ALL OTHER CONTRACT DRAWINGS AND SPECIFICATIONS.
- C. DETAILS SHOWN ON STRUCTURAL DRAWINGS ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS.
- D. DIMENSIONS SHOWN SHALL TAKE PRECEDENCE OVER SCALE ON PLANS, SECTIONS AND DETAILS. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY. E. NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND
- F. FRAMING AND DETAIL CONDITIONS SPECIFIED BY THESE DRAWINGS SHALL NOT BE MODIFIED WITHOUT WRITTEN DOCUMENTATION FROM THE ENGINEER AND ARCHITECT.
- G. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FLOOR OR ROOF FRAMING MEMBERS. LOAD SHALL NOT EXCEED DESIGN LIVE LOAD.
- H. DESIGN LOADING: PER CBC, 2016 EDITION.
- I. CONSTRUCTION DOCUMENTS SHALL CONSIST OF THE "APPROVED" DRAWINGS, SPECIFICATIONS AND ADDENDUM BEARING THE STAMP AND SIGNATURE OF THE ARCHITECT AND THE APPROVAL STAMP OF THE JURISDICTIONAL BUILDING DEPARTMENT. STRUCTURAL CALCULATIONS ARE NOT PART OF THE CONSTRUCTION DOCUMENTS AND SHALL NOT BE USED FOR CONSTRUCTION PURPOSES.
- J. ALL WORK SHALL BE PERFORMED FROM THE "APPROVED" DOCUMENTS ONLY. A FULL SET OF APPROVED DOCUMENTS SHALL BE KEPT ON SITE DURING ALL CONSTRUCTION PHASES.
- K. DESIGN DATA CONDITIONS AS LISTED BELOW.

LOADING DATA ENTRY TOWER

, N		I DATA I		
	20 752 N	5,1,1	25 psf	ROOF DEAD LOAD
	36.753 N -119.673 W	SITE COORDINATES	20 psf	ROOF LIVE LOAD
		SEISMIC IMPORTANCE		-
	1.0	FACTOR (I)	ENTRY TOWER	WIND DESIGN DATA
	П	RISK CATEGORY	110 mph	ULTIMATE WIND SPEED (3 SECOND GUST)
M	S s = .593 S 1 = .246	MAPPED SPECTRAL RESPONSE	С	WIND EXPOSURE CATEGORY
	D	SITE CLASS	II	RISK CATEGORY
	S DS = .524 S D1 = .313	SPECTRAL RESPONSE COEFFICIENTS	± .18	INTERNAL PRESSURE COEFFICIENT
_	D	SEISMIC DESIGN CATEGORY	ASCE CHAPTER 28	ANALYSIS PROCEDURE
L	CANT. COL.	SEISMIC-RESISTING FORCE SYSTEM(S)		
	.420	SEISMIC RESPONSE COEFFICIENT(S) C s		
	1.25	RESPONSE MODIFICATION FACTOR(S) R		

0.20 STATIC 0.24 COMBINED

SEISMIC DESIGN

ANALYSIS

PROCEDURE USED

EQUIVALENT

2. SITE PREP. & FOUNDATION

OTHER REQUIREMENTS PER SOIL REPORT: TES NO. 190598.001 BY TECHNICON ENGINEERING SERVICES, DATED 11-01-2019.

1. ALLOWABLE BEARING PRESSURES: STATIC (DEAD + LIVE) COMBINED (DEAD + LIVE + SEISMIC) 3000 psf 2. ACTIVE PRESSURE 50 pcf 3. AT-REST PRESSURE 4. PASSIVE PRESSURE 129 pcf STATIC 172 pcf COMBINED

5. FRICTION COEFFICIENT

B. COMPACTION REQUIREMENTS: REFER TO THE SOILS REPORT.

- C. ENGINEERING FILL: REFER TO THE SPECIFICATIONS AND SOILS REPORT. ALL ENGINEERED FILL SHALL BE SUBJECT TO "SPECIAL INSPECTION" AS REQUIRED BY THE ARCHITECT AND THE LOCAL BUILDING OFFICIALS.
- D. REFER TO THE ARCHITECT'S DRAWINGS FOR FINISHED FLOOR ELEVATIONS.
- E. ALL FOOTINGS SHALL EXTEND TO FIRM BEARINGS. MINIMUM FOOTING EMBEDMENT = 18" BELOW LOWEST ADJACENT GRADE.
- F. SEE ARCHITECT'S & CIVIL DRAWINGS FOR SIZE AND LOCATION OF NON-BEARING PARTITIONS.
- G. SEE ARCHITECT'S DRAWINGS FOR EXTENT OF EXTERIOR WALKWAYS. H. THE LOCATIONS OF CONSTRUCTION AND CONTROL JOINTS (C.J.) ARE THE
- CONTRACTOR'S RESPONSIBILITY FOR THE CONTROL OF CONCRETE SLAB CRACKING WITHIN THE RECOMMENDED LIMITATIONS AS FOLLOWS.
- 1. JOINTS (C.J.) ARE TO BE PROVIDED TO BREAK THE FLOOR INTO WORKING AREAS NOT LARGER THAN 600 SQ. FT. JOINTS SHALL BE SPACED NOT MORE THAN 25' o.c. WHERE POSSIBLE.
- 3. JOINTS SHALL BE LOCATED SO AS TO NOT EXCEED A LENGTH TO WIDTH RATIO OF 1.25 WITHIN JOINTED AREAS.
- 4. JOINTS SHALL BE LOCATED WITH CONSIDERATION OF THE CRACK POTENTIAL OF INSIDE CORNERS AT SLAB EDGES. 5. JOINTS SHALL BE LOCATED BELOW INTERIOR PARTITION WALLS UNLESS
- NOTED OTHERWISE. 6. JOINT LOCATIONS SHALL BE REVIEWED AND ACCEPTED BY THE ARCHITECT PRIOR TO POURING SLABS.
- I. ALL ANCHOR BOLTS, INSERTS, REINFORCING STEEL, DOWELS, AND OTHER EMBEDDED ITEMS SHALL BE SECURELY POSITIONED PRIOR TO POURING



Fresno County Department of Public Works Capital Projects 2220 Tulare Street, Eighth Floor Telephone: (559) 600-4477 E-mail: ndavidson@co.fresno.ca.us

Noel Roger Davidson, A.I.A., Architect California Licensed Architect No. C-27818

Ren. 10-31-2019

Project:

Sheriff Area 2 Sub-Station Storage 1129 N. Armstrong Ave., Fresno, CA APN: 310-133-04, -05, and -06 ISSUE DATE: 06.17.2020 PROJECT NO: T80293 / 19003 FILE NAME: S1.0 - Storage

Sheet Content:

GENERAL NOTES



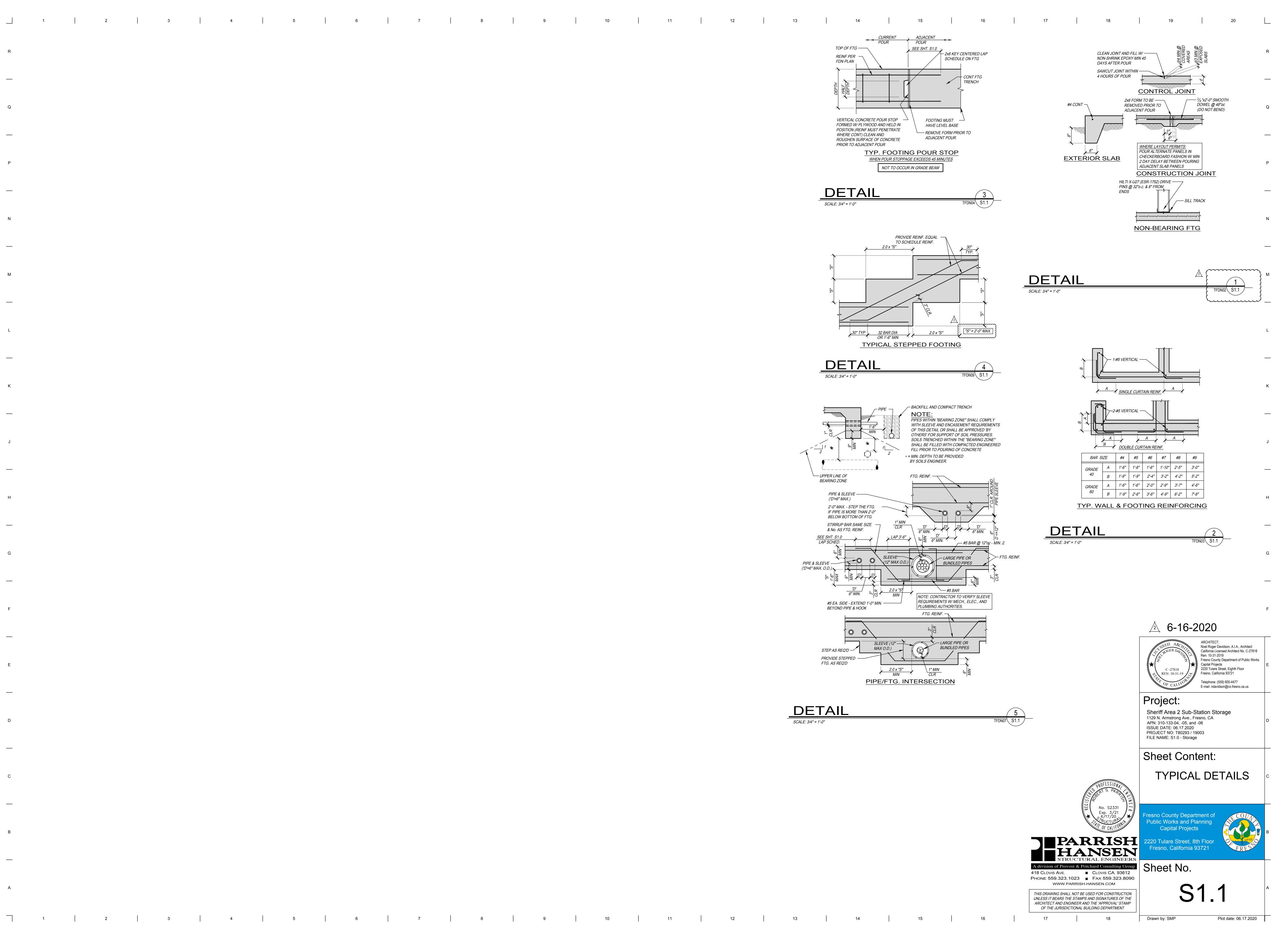
PARRISH

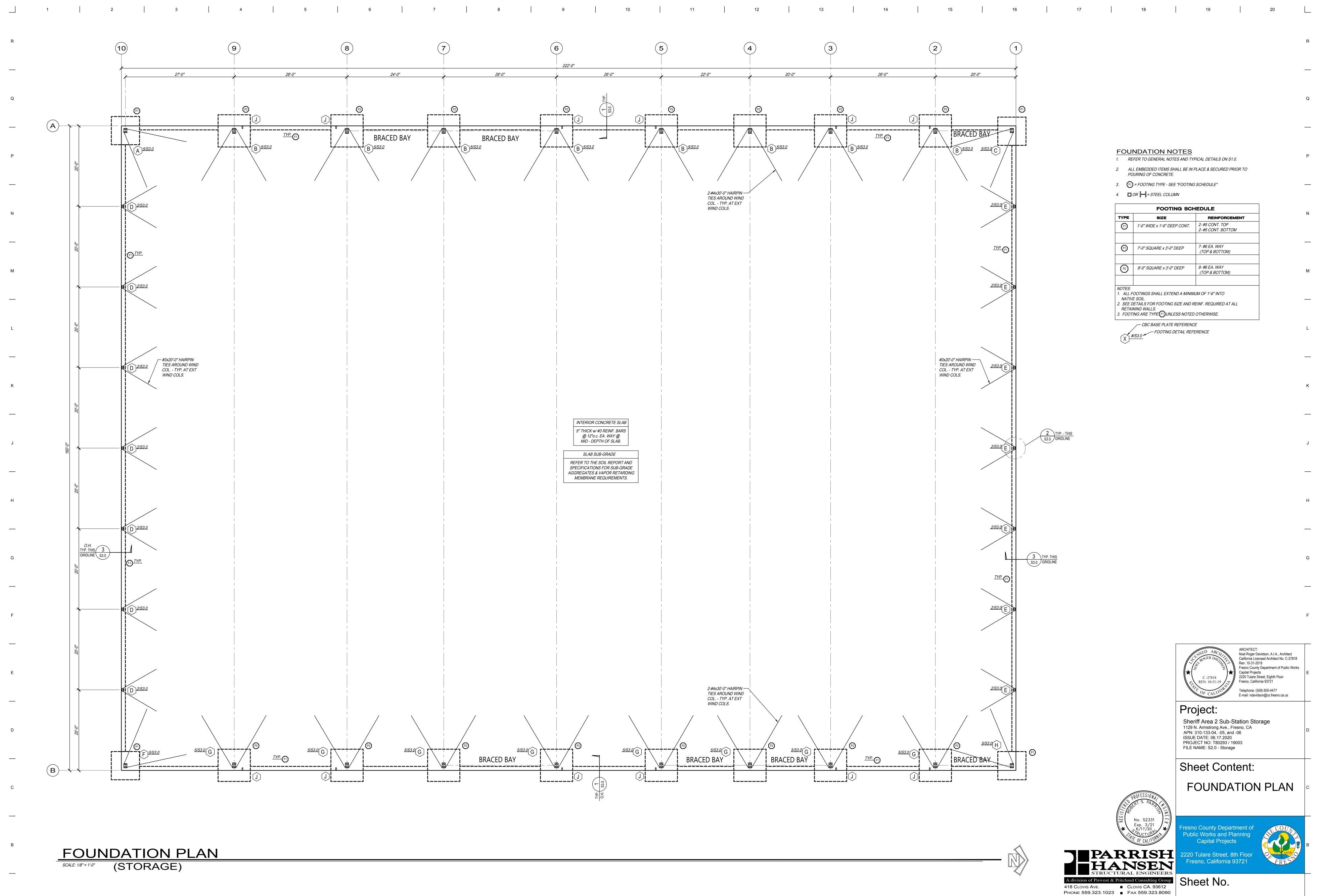
418 CLOVIS AVE. ■ CLOVIS CA. 93612

PHONE 559.323.1023 FAX 559.323.8090 WWW.PARRISH-HANSEN.COM THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNLESS IT BEARS THE STAMPS AND SIGNATURES OF THE ARCHITECT AND ENGINEER AND THE 'APPROVAL' STAMP OF THE JURISDICTIONAL BUILDING DEPARTMENT

Fresno County Department of Public Works and Planning Capital Projects

Plot date: 06.17.2020





1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16

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18 Drawn by: SMP Plot date: 06.17.2020

