

FRESNO COUNTY SHERIFF SUBSTATION
BID PACKAGE 2
FRESNO, CA.

ADDENDUM 02
SECTION 009114 - 1

ADDENDUM 02

Contract # 21-S-01

Dated: 03-17-2022

The foregoing documents are amended in the respects as herein set forth. This addendum and the amendments herein shall become part of said documents and of any contract entered into pursuant to said documents.

PLEASE ACKNOWLEDGE THIS ADDENDUM ON YOUR PROPOSAL. IF YOU HAVE GIVEN THE CONTRACT DOCUMENTS TO SOMEONE ELSE, PLEASE FORWARD THIS ADDENDUM.



3.16.22

Date Signed

Architect of Record: _____

Office: (559) 600-4477
ndavidson@fresnocountyca.gov

Noel Roger Davidson II, #C27818
License Renewal 10/31/23

**Fresno County Department of Public Works and Planning
Development Services & Capital Projects Division**
2220 Tulare Street, 8th Floor
Fresno, CA 93721-2104

A. BID FORMS AND CONTRACT CONDITIONS:

a. Bid Opening Date:

- i. Delete March 24, 2022
- ii. Replace with April 14, 2022

B. SPECIFICATIONS:

a. Section 00 01 10 – Table of Contents

- i. Division 01 – General Requirements
 1. Add new section “01 64 00 – Owner Furnished Products”
- ii. Division 13 – Special Construction
 1. Revise “13 12 00 – Metal Canopy Systems (Additive Bid #2)” to “13 12 00 – Metal Canopy Systems (Additive Bid #1)”
- iii. Division 26 – Electrical
 1. Revise “26 26 53 – Electric Vehicle Charging Equipment (Additive Bid #1)” to “26 26 53 – Electric Vehicle Charging Equipment (OFCL) (Additive Bid #2)”

b. Section 00 01 15 – List of Drawing Sheets

- i. Electrical:
 1. Revise E1.0 to “E1.0 Electrical Symbols, General Notes, and Fixture Schedule”
 2. Revise E1.1 to “E1.1 Power Single Line Diagram and Electrical Details”
 3. Add “E1.2 Panel Schedules”
 4. Add “E4.0 Lighting Site Plan – North”
 5. Add “E4.1 Lighting Site Plan – South”
 6. Add “E5.0 Power Site Plan – North”
 7. Add “E5.1 Power Site Plan – South”
- ii. Internal Services Division
 1. Remove “E19 Server Room Housekeeping Pad”

c. Section 00 52 13 – Agreement

- i. Article III
 1. Remove:

“The Contractor agrees that the work under the contract shall be completed as determined by the Owner within **Sixty (60) CALENDAR DAYS** from the date shown in the Notice to Proceed.”

And replace with the following:

“The Contractor agrees that the First Order of Work as defined in the General Conditions, 2.17, A, shall be completed as determined by the Owner within **Sixty (60) CALENDAR DAYS** from the date shown on the Notice to Proceed.”

2. Revise liquidated damages from “**One Thousand Five Hundred and 00/100 DOLLARS (\$1500.00)** per day” to “**Nine Hundred and 00/100 DOLLARS (\$900.00)** per day.”

d. **Section 01 64 00 – Owner Furnished Products**

- i. Insert new section.

e. **Section 00 72 00 – General Conditions**

- i. Article “2.17 Contractor’s Construction Schedule”

1. Remove Article 2.17 – Construction Schedule and replace with the following:

“2.17 FIRST ORDER OF WORK-CONSTRUCTION SCHEDULE

A. First Order of Work:

Due to long lead times for various equipment and materials the Construction Schedule is anticipated to be interrupted. The following First Order of Work shall be completed within 60 Calendars from the Notice to Proceed:

1. Install reinforced concrete equipment pads and slab floor infills at Data Center.
2. Install Steel stud walls and ceiling joists at Data Center
3. Install electrical power, lighting, and fixtures at Data Center.
4. Install wall and ceiling Insulation at Data Center.
5. Install interior and exterior fire-resistant plywood at Data Center.
6. Install exterior fire-resistant plywood at existing Electrical Room walls and roof deck.
7. Install interior gypsum board fire taped only at Data Center.
8. Paint roof deck and prepare for Mechanical Unit System install at Data Center and existing Electrical Room.
9. Install exterior Data Center concrete ODU equipment pads.
10. Install exterior Data Center drywell and concrete pad.
11. Install exterior Data Rack CR 1 and CR 2 exterior condenser concrete pads.
12. Install Back-up Generator reinforced concrete pad.

B. Construction Work Segments-Scheduling:

14 Calendar days prior to completion of the First Order of Work, the County and Contractor shall meet to discuss future Order of Work Segments and develop a joint agreed upon Construction Schedule for completion of work. The Work shall be divided into Segments based on delivery of CFCI or OFCI equipment and materials. In the event of a stoppage in the Work the

Contractor shall meet with the County Project Manager to determine the duration of the Work Stoppage and jointly plan for future Order of Work Segments. The number of Order of Work Segments will depend on actual and projected conditions.

- C. Pre-Construction Meeting:
Within thirty (21) calendar days after execution of the Agreement, the Contractor shall meet with County Project Manager and submit a Draft Project Schedule listing CFCI equipment and materials. The Schedule shall identify equipment or materials that have anticipated long lead times with estimated delivery dates. The County shall provide a Schedule of OFCI equipment and materials to be added to the Contractor Schedule. The Notice to Proceed date of issuance will be established at the Pre-Construction meeting.
- D. Within fourteen (14) calendar days after the Pre-Construction meeting, the Contractor shall submit to the County for review a Project Schedule in Critical Path Method (CPM) to the Project Manager. The Schedule shall include County OFCI equipment and materials, Construction Milestones, Submittal and Procurement Schedule indicating time periods for review of Shop Drawings, Data, Samples, and procurement of material and equipment required for the Work. Contractor shall allow time for submittal review in accordance with the General Requirements Section – Construction Progress Documentation. All items that require review by the Project Manager and/or Architect that are not readily available from stock and requiring more than thirty-five (35) days lead-time shall be included in the Submittal and Procurement Schedule. Items listed in the Submittal and Procurement Schedule shall also be identified as activities on the CPM Construction Schedule. Contractor shall identify items requiring coordination with work of separate contractors. The working day to calendar date correlation shall be based upon the Contractor's proposed work week with adequate allowance for legal holidays, days lost due to abnormal weather, and any special requirements of the Project.
- E. The Construction Schedule shall be prepared and maintained by the Contractor.
- F. The Owner, Project Manager, Contractor and other Contractor(s) shall jointly review the progress of the work weekly. Should this review, in the opinion of the Project Manager, indicate that the work is behind the schedule established by currently reviewed Construction Schedule, the Contractor shall either (1) provide a plan to the Project Manager indicating the steps the Contractor intends to take in order to recover the time behind schedule and conform to the reviewed Construction Schedule; or (2) submit a revised Construction Schedule for completion of the work, remaining within the contract completion time, to the Project Manager for review by the next weekly meeting. If the Contractor's recovery or revised schedule requires work to occur during other than normal working hours, the Contractor will be responsible for any resulting costs incurred by the Owner, including but not limited to, the costs for construction management, contract administration, inspection, testing and staffing."

- f. **Section 07 46 19 – Steel Siding**
 - i. Part 2 – Products, 2.1, A, 1: Remove “with embossed texture”.

- g. **Section 08 41 13 – Aluminum-Framed Entrances and Storefronts**
 - i. Part 1 – General, 1.2, B: Remove “3. Section 081216 Aluminum Frames for interior aluminum framing.”
 - ii. Part 1 – General, 1.4:
 - 1. Remove Paragraphs “B. Delegated Design”, “C. Wind Loads”, and “E. Water Resistance”.
 - iii. Part 1 – General, 1.5, F, 1: Remove “e. Flashing and drainage.”
 - iv. Part 2 – Products, 2.5, A: Add “2. Coordinate electrified hardware and pathways for Owner provided/Owner installed access controls where noted on the Drawings.”

- h. **Section 13 12 00 – Metal Canopy Systems**
 - i. Revise “Additive Bid #2” in header to “Additive Bid #1”
 - ii. Part 3 – Execution, 3.4, A: Omit paragraph 1.

- i. **Section 26 26 53 – Electric Vehicle Charging Equipment**
 - i. Replace section with new “Section 26 26 53 – Electric Vehicle Charging Equipment (OFCI)”

C. DRAWINGS:

- a. **A0.1 – Cover**
 - i. Contract number “21-S-01” added
 - ii. Sheet Index revised.
 - iii. Language revised for Deferred Submittals.
 - iv. Added “First Order of Work”

- b. **A0.2 – Notes**
 - i. Revised General Note #26

- c. **A0.3 – Notes**
 - i. Omit Fire Protection Notes.

- d. **A1.1 – Site Plan**
 - i. Keynotes revised.
 - ii. Plan revised to show pavement areas and types.
 - iii. Locations of Owner Furnished Contractor Installed EV Stations shown

- e. **A1.2 – Site Details**
 - i. Added Detail A1 – Section at Generator.
 - ii. Detail J13 – Typical Carport Section
 - 1. Revised to show electrical conduit.
 - iii. Added Detail O1 – Plan at Generator

- f. **A2.2 – Storage Floor Plan**
 - i. Omit keynote #1.

- g. A2.5 – Storage Data Center Refl Cing and Roof Plans**
 - i. Added Detail A1 – Detail at Duct
 - ii. N7 – Reflected Ceiling Plan: added note regarding siding, roof decking, wall base, trim, etc.
 - iii. Added keynotes #8 thru 11.
 - iv. A7 – Roof Plan: diagramed existing mechanical equipment over Existing Electrical Room.

- h. A2.6 – Office Data Center**
 - i. Revised Keynotes
 - ii. A1 – New Refl Ceiling Plan: Plan and keynotes revised
 - iii. A13 – New Floor Plan: Plan and keynotes revised

- i. A4.1 – Doors and Windows**
 - i. General Door Notes #13 added.
 - ii. Hardware note #5 revised.
 - iii. Glass and Glazing Note #7 added.

- j. A5.1 – Details**
 - i. Keynote #1 revised.
 - ii. N1-Equipment Pad: notes added.

- k. E1.0 – Electrical Symbols, General Notes, and Fixture Schedule**
 - i. Fixture Schedule added.

- l. E1.1 – Power Single Line Diagram and Electrical Details**
 - i. Sheet added

- m. E1.2 – Panel Schedules**
 - i. Previously numbered as E1.1, has been renumbered to “E1.2”
 - ii. Panel 1LM Schedule has been revised.
 - iii. Panel EV Schedule has been added.

- n. E3.0 – Storage Building I.T. Data Center Lighting Plan**
 - i. Keynote #1 revised.

- o. E3.1 – Storage Building I.T. Data Center General Power Plan**
 - i. Keynote #1 revised
 - ii. A1 – Storage Building I.T. Data Center General Power Plan:
 - 1. Plan and notes revised

- p. E4.0 – Lighting Site Plan – North:** Sheet added.

- q. E4.1 – Lighting Site Plan – South:** Sheet added.

- r. E5.0 – Power Site Plan – North:** Sheet added.

- s. E5.1 – Power Site Plan – South:** Sheet added.

- t. E19 – Data Center Housekeeping Pad:** Omit sheet.

D. GENERAL CLARIFICATIONS: None at this time.

END OF ADDENDUM 02

PROJECT DIRECTORY

TENANT: FRESNO COUNTY SHERIFF
2200 FRESNO STREET
FRESNO, CA 93721
PH: (559) 600-3111

ARCHITECT: FRESNO COUNTY DEPARTMENT OF PUBLIC WORKS AND PLANNING / DEVELOPMENT SERVICES AND CAPITAL PROJECTS DIVISION
ATTN: NOEL ROGER DAVIDSON
2220 TULARE ST, 8TH FLOOR
FRESNO, CA 93721
PH: (559) 600-4477
NDavidson@FresnoCountyCA.gov

MECHANICAL ENGINEER: MECHANICAL DESIGN CONCEPTS (MDC)
ATTN: MICHAEL GANTELMI
7084 N MAPLE AVE, SUITE 101
FRESNO, CA 93720
PH: (559) 431-0101 x102
Mike@legfrens.com

ELECTRICAL ENGINEER: HARDIN DAVIDSON ENGINEERING
ATTN: SCOTT DAVIDSON
356 POLLASKY AVE, SUITE 200
CLOVIS, CA 93612
PH: (559) 323-4995 x107
sd@hardin-davidson.com

FRESNO COUNTY SHERIFF AREA 2 SUBSTATION STORAGE BLDG DATA CENTER & ELECTRICAL ROOM REVISIONS BID PACKAGE 2 1129 NORTH ARMSTRONG AVENUE FRESNO, CA 93727

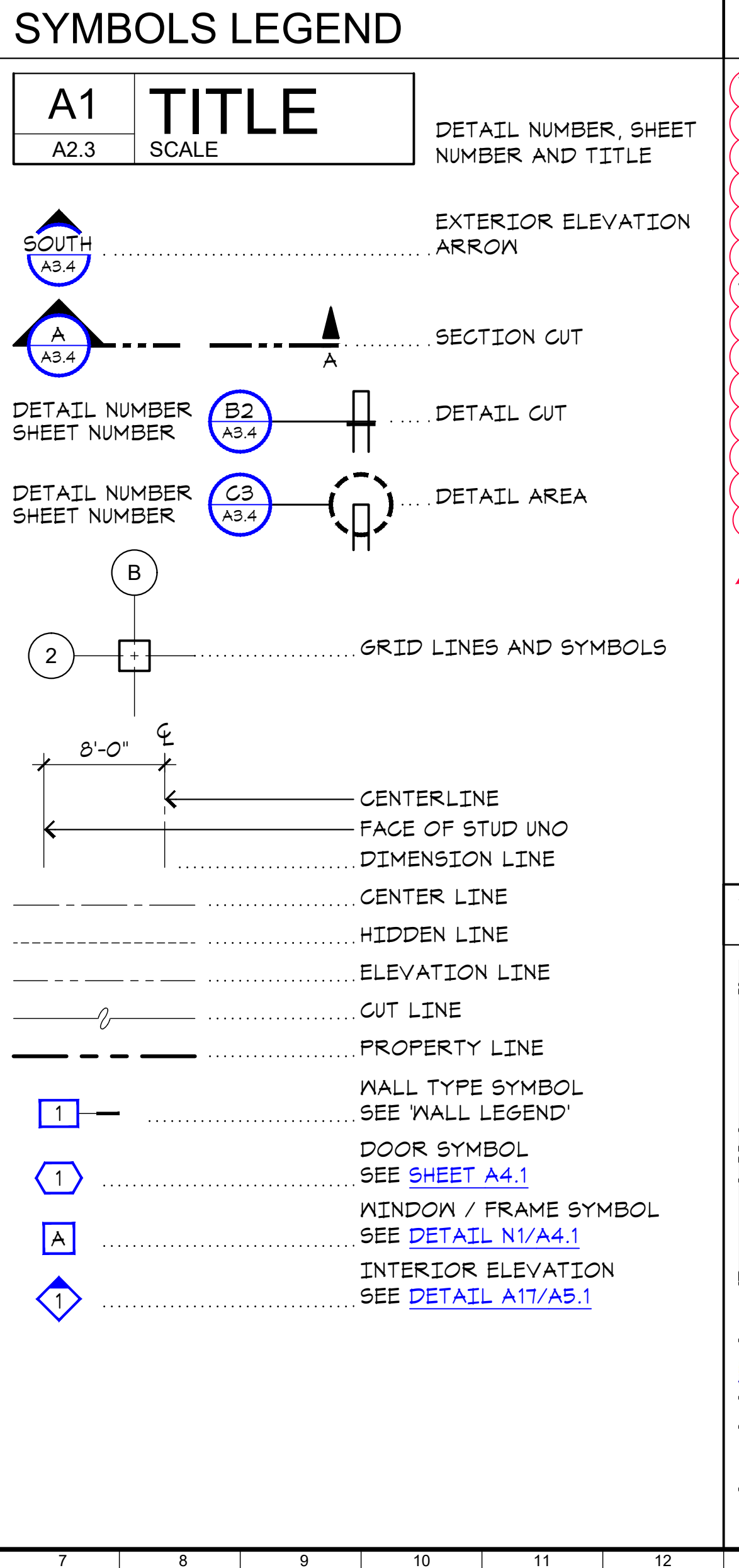
SHEET INDEX

SEQ NO	SHT NO	SHEET TITLE	REV
ARCHITECTURAL			
1	A0.1	COVER	2
2	A0.2	NOTES	2
3	A0.3	NOTES	2
4	A1.1	SITE PLAN	2
5	A1.2	SITE DETAILS	2
6	A2.1	STORAGE CODE PLAN	
7	A2.2	STORAGE FLOOR PLAN	2
8	A2.3	OFFICE FLOOR PLAN	
9	A2.4	STORAGE DATA CENTER FLOOR PLAN	
10	A2.5	STORAGE DATA CENTER REFL CLNG AND ROOF PLANS	2
11	A2.6	OFFICE DATA CENTER	2
12	A3.1	STORAGE BUILDING SECTION	
13	A4.1	DOORS AND WINDOWS	2
14	A4.2	DOORS AND WINDOWS	
15	A5.1	DETAILS	2
16	A5.2	DETAILS	
PLUMBING - SEE MECHANICAL DRAWINGS BELOW FOR CONDENSATE PIPING AND EXTERIOR DRAIN			
MECHANICAL			
17	M1.1	SUBSTATION OFFICE AIR CONDITIONING PLAN - OVERALL	
18	M1.2	STORAGE BUILDING ENLARGED IT DATA CENTER MECHANICAL DETAILS	
19	M2.1	MECHANICAL DETAILS	
20	M2.2	MECHANICAL SCHEDULES	
21	M3.0	MECHANICAL SCHEDULES	
22	M4.0	TITLE 24 DOCUMENTS	
23	M4.1	TITLE 24 DOCUMENTS	
ELECTRICAL			
24	E1.0	ELECTRICAL SYMBOLS, GENERAL NOTES, AND FIXTURE SCHEDULE	
25	E1.1	POWER SINGLE LINE DIAGRAM AND ELECTRICAL DETAILS	
26	E1.2	PANEL SCHEDULES	
27	E2.0	SUBSTATION OFFICE DATA ROOM HVAC ELECTRICAL PLAN	
28	E3.0	STORAGE BUILDING I.T. DATA CENTER LIGHTING PLAN	
29	E3.1	STORAGE BUILDING I.T. DATA CENTER GENERAL POWER PLAN	
30	E3.2	STORAGE BUILDING I.T. DATA CENTER HVAC ELECTRICAL PLAN	
31	E4.0	LIGHTING SITE PLAN - NORTH	
32	E4.1	LIGHTING SITE PLAN - SOUTH	
33	E5.0	POWER SITE PLAN - NORTH	
34	E5.1	POWER SITE PLAN - SOUTH	

PROJECT DATA

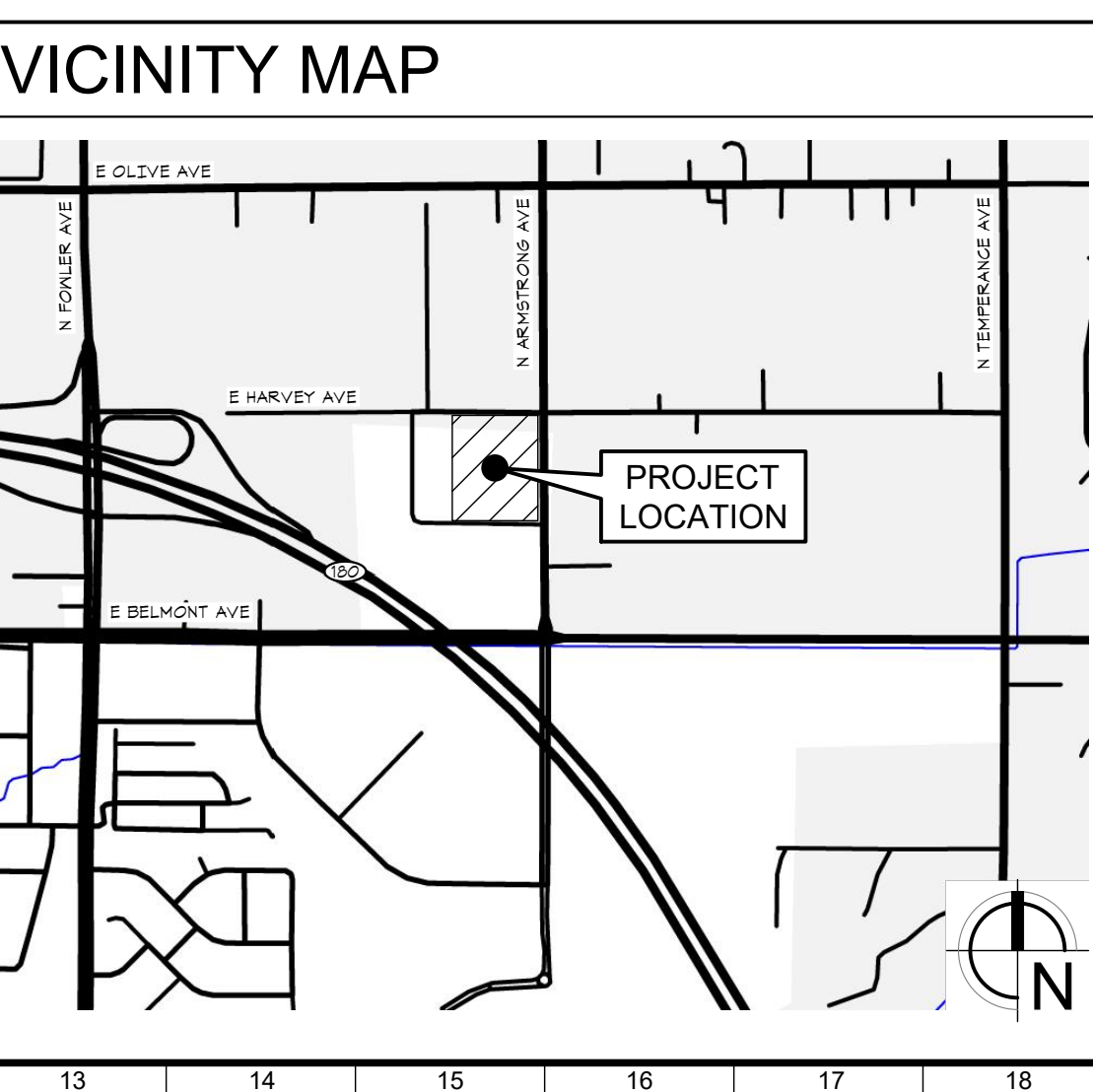
- PROJECT TITLE: FRESNO COUNTY SHERIFF AREA 2 SUBSTATION
 - SUBSTATION BLDG
 - STORAGE BLDG
- PROJECT ADDRESS: 1129 N ARMSTRONG AVE FRESNO, CA 93727
- APN: 310-133-04, 05, 06T
- VOLUNTARY MERGER (VM) NO. 2083
- ZONING: IL/UGM/CZ
- SITE AREA: 283,080 SF (6.50 AC)
- SUBSTATION BLDG
 - BLDG AREA: 22,700 SF
 - OCCUPANCY: A-3, B w/ A-2 AND S-1 ACCESSORY
 - CONSTRUCTION: IIB - SPRINKLERED
 - OCCUPANTS: 646
- STORAGE BLDG
 - BLDG AREA: 35,520 SF
 - OCCUPANCY: S-2
 - CONSTRUCTION: IIB - SPRINKLERED
 - OCCUPANTS: 116
- SITE COVERAGE: 20.6%
- BUILDING CODE: 2019 CALIFORNIA BUILDING CODE
- ESSENTIAL SERVICES BUILDINGS PER 2019 CAC, CHPT 4, ARTICLE 1
- SEISMIC DESIGN CATEGORY D

- FIRST ORDER OF WORK**
- SEE PROJECT MANUAL, GENERAL CONDITIONS, SECTION 00120, 2.17, FIRST ORDER OF WORK - CONSTRUCTION SCHEDULE
- INSTALL REINFORCED CONCRETE EQUIPMENT PADS AND SLAB FLOOR INFILLS AT DATA CENTER.
 - INSTALL STEEL STUD WALLS AND CEILING JOISTS AT DATA CENTER
 - INSTALL ELECTRICAL POWER, LIGHTING, AND FIXTURES AT DATA CENTER.
 - INSTALL WALL AND CEILING INSULATION AT DATA CENTER.
 - INSTALL INTERIOR AND EXTERIOR FIRE-RESISTANT PLYWOOD AT DATA CENTER.
 - INSTALL EXTERIOR FIRE-RESISTANT PLYWOOD AT EXISTING ELECTRICAL ROOM WALLS AND ROOF DECK.
 - INSTALL INTERIOR GYPSUM BOARD FIRE TAPED ONLY AT DATA CENTER.
 - PAINT ROOF DECK AND PREPARE FOR MECHANICAL UNIT SYSTEM INSTALL AT DATA CENTER AND EXISTING ELECTRICAL ROOM.
 - INSTALL EXTERIOR DATA CENTER CONCRETE ODU EQUIPMENT PADS.
 - INSTALL EXTERIOR DATA CENTER DRYWELL AND CONCRETE PAD.
 - INSTALL EXTERIOR DATA RACK CR 1 AND CR 2 EXTERIOR CONDENSER CONCRETE PADS.
 - INSTALL BACK-UP GENERATOR REINFORCED CONCRETE PAD.



DEFERRED SUBMITTALS

- IT DATA CENTER: CLEAN AGENT FIRE SUPPRESSION SYSTEM SHALL BE A CONTRACTOR PROVIDED DESIGN-BUILD DEFERRED SUBMITTAL. CONTRACTOR SHALL SUBMIT PLANS TO FRESNO FIRE FOR SEPARATE PERMIT. COPY OF PERMIT SHALL BE DELIVERED TO THE ARCHITECT FOR PROCESSING WITH FRESNO COUNTY DEVELOPMENT SERVICES.
- METAL CANOPIES: THE CONTRACTOR SHALL SUBMIT COMPLETE SHOP DRAWINGS, SPECIFICATIONS AND ENGINEERING CALCULATIONS TO THE ARCHITECT FOR REVIEW AND PROCESSING WITH FRESNO FIRE AND FRESNO COUNTY DEVELOPMENT SERVICES FOR ISSUANCE OF PERMITS. SEE PROJECT MANUAL, SPECIFICATION SECTION 131200, METAL CANOPY SYSTEMS.



SHEET INDEX [CONTINUED]

SEQ NO	SHT NO	SHEET TITLE	REV
INTERNAL SERVICES DIVISION			
35	E0	SHEET INDEX	
36	E1	SINGLE LINE DIAGRAM	
37	E2	PANEL SCHEDULES	
38	E3	DATA CENTER LAYOUT	
39	E4	DATA CENTER EQUIPMENT	
40	E5	UPS AND NETWORK RACK LAYOUTS	
41	E6	UPS INTERCONNECT	
42	E7	RASP 1 EACH PER UPS	
43	E8	RASP PANEL MOUNTING	
44	E9	NETWORK RACK AND POWER TRAY	
45	E10	RACK MOUNT PDU 3P L21-30P	
46	E11	LADDER RACK WITH GROUND BAR	
47	E12	LADDER RACK SUPPORTING METHOD	
48	E13	RACK GROUNDING CABLE KIT	
49	E14	UNDER TILE GROUND GRID PLAN	
50	E15	SERVER ROOM FIRE SUPPRESSION LAYOUT	
51	E16	FIRE SERVER ROOM SEALING	
52	E17	NETWORK CLOSET LAYOUT	
53	E18	INDIVIDUAL RACK VIEW WITH POWER OUTLETS AND VERTICAL WIRE MANAGEMENT 6"	
	E19	NOT USED	
54	E20	LADDER RACK SUPPORTING METHOD EXPANDED VIEW	

ADDENDUM 2

CONTRACT # 21-S-01

Project: Sheriff Area 2 Substation Storage Bldg Data Center & Elec Rm Revisions - Bid Package 2
1129 N. Armstrong Ave., Fresno, CA 93727
APN: 310-133-04, -05, and -06
ISSUE DATE: 03.16.2022
PROJECT NO: T80293 / 19003.03
FILE NAME: 19003-03_A0-1_Cover

Sheet Content: COVER

Sheet No.: A0.1

LICENSED ARCHITECT
NOEL ROGER DAVIDSON, A.I.A.
ARCHITECT
California Licensed Architect No. C-27818
Ren: 10-31-22
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Development Services and Capital Projects Division
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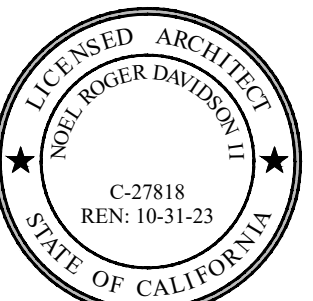
Drawn by: ---- Plot date: 03.16.2022

EXISTING CONDITIONS		ABBREVIATIONS				GENERAL NOTES	
1.	BEFORE ANY WORK IS STARTED, THE CONTRACTOR SHALL VERIFY THE LOCATION AND SIZE OF ANY EXISTING UTILITY SERVING OR BEING PART OF THE SITE AND/OR BUILDING; BE IT ELECTRICAL, PLUMBING, TELEPHONE, ETC; BE IT OVERHEAD, SUBSURFACE, OR IN CONCRETE SLAB. WHETHER IT IS SCHEDULED TO BE REMOVED OR WILL REMAIN, ALL POSSIBLE CARE SHALL BE EXERCISED BY THE CONTRACTOR TO INSURE THAT ANY SAID UTILITY WILL NOT BE THE CAUSE OF ENDANGERING THE LIFE OR LIMB OF ANY PERSON.	AB	ANCHOR BOLT	FTG	FOOTING	SF	STOREFRONT
		AC	ASPHALTIC CONCRETE	GA	GAUGE	SH	SHELF
		ACC	ACCESSIBLE, ACCESSIBILITY	GALV	GALVANIZED	SHT	SHEET
		AD	AREA DRAIN	GC	GENERAL CONTRACTOR	SHT'G	SHEATHING
		ADD'L	ADDITIONAL	GLU-LAM	GLUE-LAMINATED	SIM	SIMILAR
		ALUM	ALUMINUM	GSM	GALVANIZED SHEET METAL	SMS	SHEET METAL SCREEN
		ANOD	ANODIZED	GYP BD	GYP SUM WALLBOARD	SOV	SHUT-OFF VALVE
		APPROX	APPROXIMATE	HB	HOSE BIBB	SPEC	SPECIFICATION
		ARCH	ARCHITECT (URAL)	HC	HOLLOW CORE	SG	SQUARE
		AUTO	AUTOMATIC	HM	HOLLOW METAL	SS	STAINLESS STEEL
		AVE	AVENUE	HORIZ	HORIZONTAL	STC	SOUND TRANSMISSION CLASS
		BD	BOARD	HR	HOUR	STD	STANDARD
		BLDG	BUILDING	HRDW	HARDWARE	STL	STEEL
		BLK	BLOCK	HT	HEIGHT	STOR	STORAGE
		BLK'G	BLOCKING	HYAC	HEATING, VENTILATION & AIR CONDITIONING	STRUCT	STRUCTURAL
		BM	BEAM	HW	HOT WATER	STMS	SELF-TAPPING (DRILLING)
		BRG	BEARING	ID	INSIDE DIAMETER	SUSP	SUSPENDED
		BTM	BOTTOM	ICC	INTERNATIONAL CODE COUNCIL	SYM	SYMMETRICAL
		BTU	BRITISH THERMAL UNIT	IN	INCH	T&G	TONGUE AND GROOVE
		C-C	CENTER TO CENTER	INCL	INCLUDE(D)	TEMP GL	TEMPERED GLASS
		CAB	CABINET	INT	INTERIOR	THK	THICK(NESS)
		CBC	CALIFORNIA BUILDING CODE	ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY	THRU	THROUGH
		CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	LAM	LAMINATED	TI	TENANT IMPROVEMENT
		CI	CAST IRON	LAV	LAVATORY	TOB	TOP OF BEAM
		CJ	CONTROL JOINT	LL	LIVE LOAD	TOC	TOP OF CURB
		C/L	CENTER LINE	LT	LIGHT	TOF	TOP OF FOOTING
		CLNG	CEILING	MAT'L	MATERIAL	TOG	TOP OF GRADE
		CLR	CLEAR(ANCE)	MAX	MAXIMUM	TOP	TOP OF PAVEMENT
		CO	CLEANOUT	MB	MACHINE BOLT	TOPL	TOP OF PLATE
		COL	COLUMN	MDF	MEDIUM DENSITY FIBERBOARD	TOS	TOP OF SLAB
		CONC	CONCRETE	MECH	MECHANICAL	TOW	TOP OF WALL
		CONT	CONTINUOUS	MEMB	MEMBRANE	TV	TELEVISION
		CORR	CORRIDOR	MFR	MANUFACTURE(R)	TYP	TYPICAL
		CW	COLD WATER	MIN	MINIMUM	UE	UTILITY EASEMENT
		D	DRYER	MIRR	MIRROR(ED)	UNO	UNLESS NOTED OTHERWISE
		DBL	DOUBLE	MISC	MISCELLANEOUS	UR	URINAL
		DEPT	DEPARTMENT	MTD	MOUNTED	VERT	VERTICAL
		DF	DOUGLAS FIR	MTL	METAL	V&G	VERTICAL GRAIN
		DF	DRINKING FOUNTAIN	NIC	NOT IN CONTRACT	VT	VINYL TILE
		DIA	DIAMETER	NR	NOT RATED	VTR	VENT THROUGH ROOF
		DIAG	DIAGONAL	NRC	NOISE REDUCTION COEFFICIENT	W	WASHER
		DIM	DIMENSION	NTE	NOT TO EXCEED	W/	WITH
		DL	DEAD LOAD	NTS	NOT TO SCALE	WC	WATER CLOSET
		DR	DOOR	O/	OVER	WD	WOOD
		DS	DOWNPOUT	O.C.	ON CENTER	WH	WATER HEATER
		DTL	DETAIL	OD	OUTSIDE DIAMETER	WI	WROUGHT IRON
		DW	DISHWASHER	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED	WDO	WINDOW
		DWG	DRAWING	OH	OVERHANG	W/O	WITHOUT
		EA	EACH	OPN'G	OPENING	WT	WEIGHT
		EJ	EXPANSION JOINT	OPP	OPPOSITE	WWM	WIRE WELDED MESH
		ELEC	ELECTRICAL	PEN	PLYWOOD EDGE NAILING	YD	YARD
		ELEV	ELEVATION / ELEVATOR	PH	PANIC HARDWARE		
		EN	EDGE NAILING	PL	PLATE		
		ENGR	ENGINEER	PLAM	PLASTIC LAMINATE		
		ENGR'G	ENGINEERING	PLAS	PLASTIC		
		EST	ESTIMATE	PLF	POUNDS PER LINEAL FOOT		
		(E), EXIST	EXISTING	PLY	PLYWOOD		
		EXP	EXPANSION	PR	PAIR		
		EXT	EXTERIOR	PREFAB	PREFABRICATED		
		FA	FIRE ALARM	PSF	POUNDS PER SQUARE FOOT		
		FAU	FORCED AIR UNIT	PSI	POUNDS PER SQUARE INCH		
		FD	FLOOR DRAIN	PT	PRESSURE TREATED		
		FEB	FIRE EXTINGUISHER BRACKET	RA	RETURN AIR		
		FEC	FIRE EXTINGUISHER CABINET	RAD	RADIUS		
		FF	FINISH FLOOR	RD	ROOF DRAIN		
		FHC	FIRE HOSE CABINET	REF	REFRIGERATOR		
		FIN	FINISH	REINF	REINFORCED, REINFORCING		
		FIXT	FIXTURE	REQD	REQUIRED		
		FL	FLOW LINE	RM	ROOM		
		FLASH'G	FLASHING	RO	ROUGH OPENING		
		FLR	FLOOR	ROW	RIGHT-OF-WAY		
		FLR'G	FLOORING	RWD	REDWOOD		
		FLUOR	FLUORESCENT	SA	SUPPLY AIR		
		FNDN	FOUNDATION	SAWPM	SELF-ADHESIVE		
		FOC	FACE OF CONCRETE	SC	SOLID CORE		
		FOF	FACE OF FINISH	SCHED	SCHEDULE		
		FOM	FACE OF MASONRY	SD	STORM DRAIN		
		FOS	FACE OF STUD(S)				
		FS	FULL SIZE				
		FT	FOOT OR FEET				

- ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS ADOPTED BY THE LOCAL BUILDING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
 - 2019 CALIFORNIA ADMINISTRATIVE CODE (CAC)
 - 2019 CALIFORNIA BUILDING CODE (CBC)
 - 2019 CALIFORNIA ELECTRICAL CODE (CEC)
 - 2019 CALIFORNIA MECHANICAL CODE (CMC)
 - 2019 CALIFORNIA PLUMBING CODE (CPC)
 - 2019 CALIFORNIA ENERGY CODE (CEC) AND THE LATEST NONRESIDENTIAL CEC ENERGY STANDARDS.
 - 2019 CALIFORNIA FIRE CODE (CFC) AND THE MOST RECENT EDITION OF NFPA AS APPLICABLE.
 - 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CGBSC)
 - COUNTY OF FRESNO ORDINANCE CODE, TITLE 15
- THE GENERAL CONTRACTOR SHALL STRICTLY OBSERVE ALL CODES HAVING JURISDICTION IN THE CONSTRUCTION OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, ALL APPLICABLE FEDERAL, STATE, COUNTY, CITY OR GOVERNING AGENCIES, ZONING CODES, PLANNING CODE, BUILDING CODE, MECHANICAL CODE, PLUMBING CODE, ELECTRICAL CODE, FIRE CODE OR ANY OTHER CODES, RULES, REGULATIONS AND/OR AMENDMENTS. THE GENERAL CONTRACTOR AND/OR SUB-CONTRACTORS SHALL VERIFY ALL CODE REQUIREMENTS BEFORE COMMENCEMENT OF CONSTRUCTION AND BRING ANY DISCREPANCIES BETWEEN CODE REQUIREMENTS AND THE CONSTRUCTION DOCUMENTS TO THE ATTENTION OF THE ARCHITECT. ICC APPROVED NUMBERS ARE CITED THROUGHOUT THESE NOTES AS A STANDARD. MATERIALS REQUIRING OTHER JURISDICTIONAL APPROVALS MUST BE PROVIDED.
- THIS IS A BUILDER SET OF DRAWINGS PREPARED TO A LEVEL OF COMPLETION SATISFACTORY FOR BUILDING PERMIT PURPOSES AT THE TIME OF THEIR PREPARATION AND FOR CONSTRUCTION BY A KNOWLEDGEABLE AND EXPERIENCED BUILDER FAMILIAR WITH THIS TYPE OF WORK. SUCH DOCUMENTS WILL REQUIRE PREPARATION AND SUPPLEMENTAL DETAILS, PRODUCT SPECIFICATIONS AND ELABORATION AND INTERPRETATION BY EXPERIENCED CONTRACTORS, SUB-CONTRACTORS AND OWNER'S INDEPENDENT CONSULTANTS.
- ALL CONTRACTORS, SUBCONTRACTORS, VENDORS AND MATERIAL SUPPLIERS SHALL BE RESPONSIBLE FOR REVIEWING THE COMPLETE SET OF DOCUMENTS AS SHOWN IN THE SHEET INDEX. FAILURE TO REVIEW DOCUMENTS WILL NOT RELIEVE ANY CONTRACTORS, SUB-CONTRACTORS, VENDORS OR MATERIAL SUPPLIERS FROM PERFORMING WORK OR PROVIDING MATERIALS REQUIRED FOR THE COMPLETION OF THIS PROJECT AS DEFINED WITHIN THE DOCUMENTS AT TIME OF BID.
- THE ARCHITECT DOES NOT GUARANTEE THE GENERAL CONTRACTOR'S AND/OR SUB-CONTRACTOR'S PERFORMANCE AND NO PROVISIONS OF THE CONTRACT DOCUMENTS SHALL RELIEVE THE GENERAL CONTRACTOR AND/OR SUB-CONTRACTOR FROM ANY LIABILITY DUE TO GENERAL CONTRACTOR'S AND/OR SUB-CONTRACTOR'S PERFORMANCE, INCOMPLETE WORK OR ERRORS OF OMISSION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ACTIONS OF HIS SUPERINTENDENTS AND SUBCONTRACTORS DURING THE COURSE OF ANY WORK OCCURRING ON THE SITE. THE CONTRACTOR SHALL TAKE ALL RESPONSIBILITY FOR HIS SUBCONTRACTORS AND SHALL NOT ALLOW THEM TO WORK ON, PLACE DEBRIS ON, STORE SUPPLIES OR EQUIPMENT ON, OR IN ANY OTHER WAY ENCROACH UPON ANY OTHER PROPERTIES WITHOUT THE WRITTEN PERMISSION OF SUCH PROPERTY OWNERS.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR CONFLICTING DATA PRIOR TO COMMENCEMENT OF ANY WORK.
- THE GENERAL CONTRACTOR AND/OR SUB-CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS AT THE JOB SITE SUFFICIENTLY IN ADVANCE OF WORK TO BE PERFORMED TO ASSURE THE ORDERLY PROGRESS OF THE WORK. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT EACH SUB-CONTRACTOR PERFORMS THE WORK IN ACCORDANCE WITH ALL CODES IN A TIMELY MANNER TO FACILITATE COORDINATION WITH OTHER SUB-CONTRACTORS.
- GENERAL CONTRACTOR SHALL COORDINATE WORK PERFORMED BY OTHER CONTRACTORS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE OWNER'S ATTENTION BEFORE PROCEEDING WITH WORK.
- THE CONTRACTOR SHALL PROVIDE DUST CONTROL AND INTERIM CLEANUP FOR THIS PROJECT DURING ALL PHASES OF THE WORK.
- EACH CONTRACTOR SHALL LEAVE THE SITE IN A NEAT, CLEAN AND ORDERLY CONDITION UPON THE COMPLETION OF HIS WORK ON A DAILY BASIS. AREA OF WORK TO BE DUSTED, SWEPT AND MOPPED TO SAME CONDITION AS START OF WORK. ALL WASTE, RUBBISH AND EXCESS MATERIALS SHALL BE REMOVED FROM THE SITE PROMPTLY. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL TRASH, INCLUDING TRASH GENERATED FROM THE OWNER FURNISHED ITEMS AND BY OWNER'S CONTRACTORS FOR THE DURATION OF THE PROJECT.
- THE GENERAL CONTRACTOR SHALL PROVIDE ADEQUATE FIRE PROTECTION FOR THE AREA UNDER CONSTRUCTION FOR THE DURATION OF THE WORK.
- THE GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY ENCLOSURES FOR PROTECTION OF EXISTING BUILDING AND CONSTRUCTION, IN PROGRESS AND COMPLETED, FROM UNAUTHORIZED ACCESS INTO BUILDING, EXPOSURE TO FOUL WEATHER, OTHER CONSTRUCTION OPERATIONS, AND SIMILAR ACTIVITIES. PROVIDE TEMPORARY WEATHER-TIGHT ENCLOSURE FOR BUILDING EXTERIOR.
- WHERE REQUIRED, THE GENERAL CONTRACTOR SHALL PROVIDE SAMPLES FOR APPROVAL BY THE ARCHITECT/OWNER.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL PRODUCTS AND THEIR COMPLIANCE W/ APPLICABLE CODES AND COUNTY REQUIREMENTS. ALL PRODUCTS SHALL BE NEW, UNLESS NOTED OTHERWISE, AND APPROPRIATE FOR THE INTENDED USE.
- WHEN THE CONTRACTOR ACCEPTS DELIVERY OF ALL ITEMS NOTED ON PLANS WHETHER IN CONTRACT OR NOT IN CONTRACT, HE SHALL BE RESPONSIBLE FOR LOSS AND/OR DAMAGE TO THESE ITEMS.
- THESE PLANS AND RELATED DOCUMENTS SHALL BE KEPT AT THE SITE OF WORK AND SHALL BE OPEN TO INSPECTION BY THE BUILDING OFFICIAL OR A DULY AUTHORIZED REPRESENTATIVE. 2019 CBC, SECTION 107.3.1.
- THIS PERMIT DOES NOT INCLUDE ANY HIGH-PILE STORAGE (PER CFC) OR RACK STORAGE OVER 8 FEET IN HEIGHT. ANY SUCH PROPOSED STORAGE WILL REQUIRE SUBMITTAL OF PLANS AND APPLICATION FOR PERMIT(S). 2019 CFC, CHAPTER 32.
- STREET ADDRESS AND NUMBER SHALL BE POSTED PRIOR TO THE FIRST INSPECTION.
- IF NOT EXISTING, PROVIDE 12" MINIMUM HIGH ADDRESS POSTING VISIBLE FROM THE STREET.
- PRIOR TO A BUILDING FINAL INSPECTION, AN APPLIANCE CERTIFICATE PROVIDED BY THE APPLIANCE MANUFACTURER MUST BE COMPLETED BY THE INSTALLER OR GENERAL CONTRACTOR AND POSTED IN A CONSPICUOUS LOCATION (APPLIES TO CENTRAL AIR CONDITIONERS, HEATERS, AND WATER HEATERS).
- THE BUILDER SHALL PROVIDE THE CLIENT WITH WARRANTY AND OPERATIONAL INSTRUCTION ON ALL INSTALLED HEATING, COOLING LIGHTING SYSTEMS AND APPLIANCES.
- CHANGES FROM THE APPROVED PLANS DURING THE COURSE OF CONSTRUCTION SHALL CAUSE CONSTRUCTION TO BE SUSPENDED UNTIL SUCH TIME AS THE PLANS CAN BE AMENDED BY THE DESIGNER AND SUBMITTED TO THE COUNTY FOR REVIEW AND APPROVAL. 2019 CBC 107.4
- TOILET FACILITIES SHALL BE PROVIDED AND MAINTAINED IN A SANITARY CONDITION FOR THE USE OF WORKERS DURING CONSTRUCTION. 2019 CPC 422.5
- THE CONSTRUCTION WASTE MANAGEMENT PLAN MUST BE FINALIZED PRIOR TO OCCUPANCY.
- FINAL CLEANING FOR THIS CONTRACT WILL BE LIMITED TO AREAS OF WORK AS DEPICTED IN THE DRAWINGS AND ANY ADDITIONAL AREAS UTILIZED BY THE CONTRACTOR FOR MATERIAL STORAGE, STAGING, ETC.

ADDENDUM 2

CONTRACT # 21-S-01



ARCHITECT:
Noel Roger Davidson, A.I.A., Architect
California Licensed Architect No. C-27818
Ren: 10-31-22
Fresno County Department of Public Works and Planning
Development Services and Capital Projects Division
2220 Tulare Street, Eighth Floor
Fresno, California 93721
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Project:
Sheriff Area 2 Substation Storage Bldg Data Center & Elec Rm Revisions - Bid Package 2
1129 N. Armstrong Ave., Fresno, CA 93727
APN: 310-133-04-.05, and -.06
ISSUE DATE: 03.16.2022
PROJECT NO: T80293 / 19003.03
FILE NAME: 19003-03_A0_2_Notes

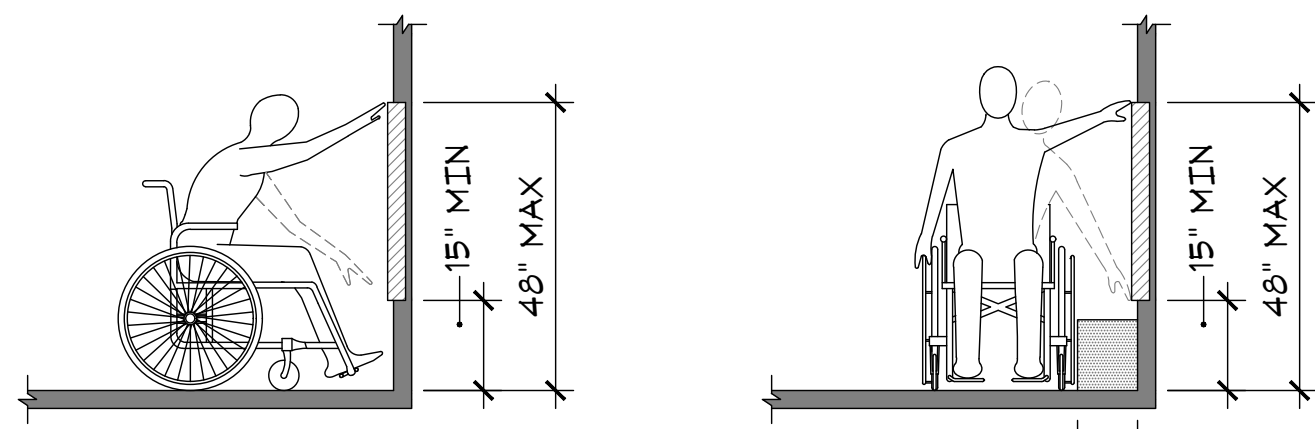
Sheet Content:
NOTES

Fresno County Department of Public Works and Planning
Capital Projects

2220 Tulare Street, 8th Floor
Fresno, California 93721

A0.2

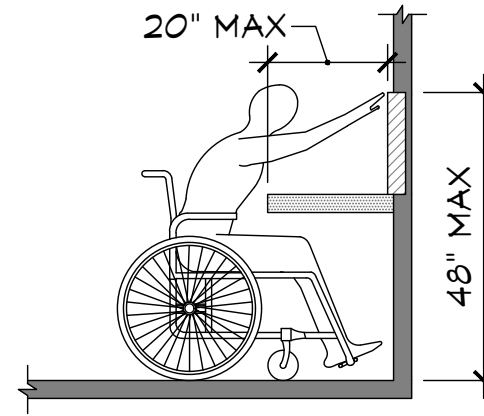
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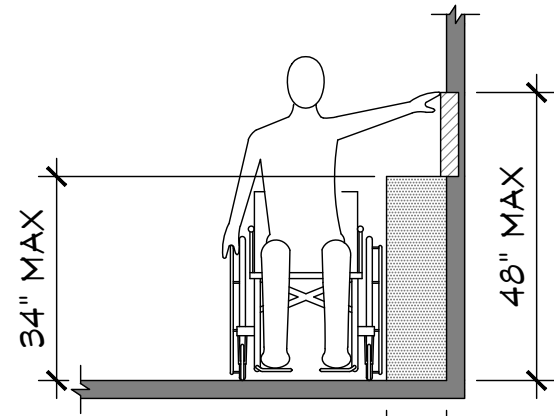
UNOBSTRUCTED FORWARD REACH
FIGURE 11B-308.2.1

10" MAX

UNOBSTRUCTED SIDE REACH
FIGURE 11B-308.3.1

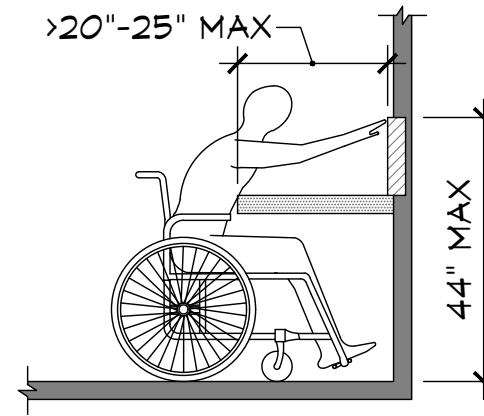


OBSTRUCTED HIGH FORWARD REACH
FIGURE 11B-308.2.2 (a)

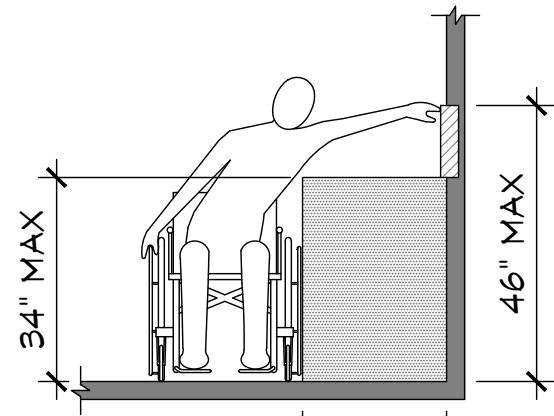


10" MAX

OBSTRUCTED HIGH SIDE REACH
FIGURE 11B-308.3.2 (a)



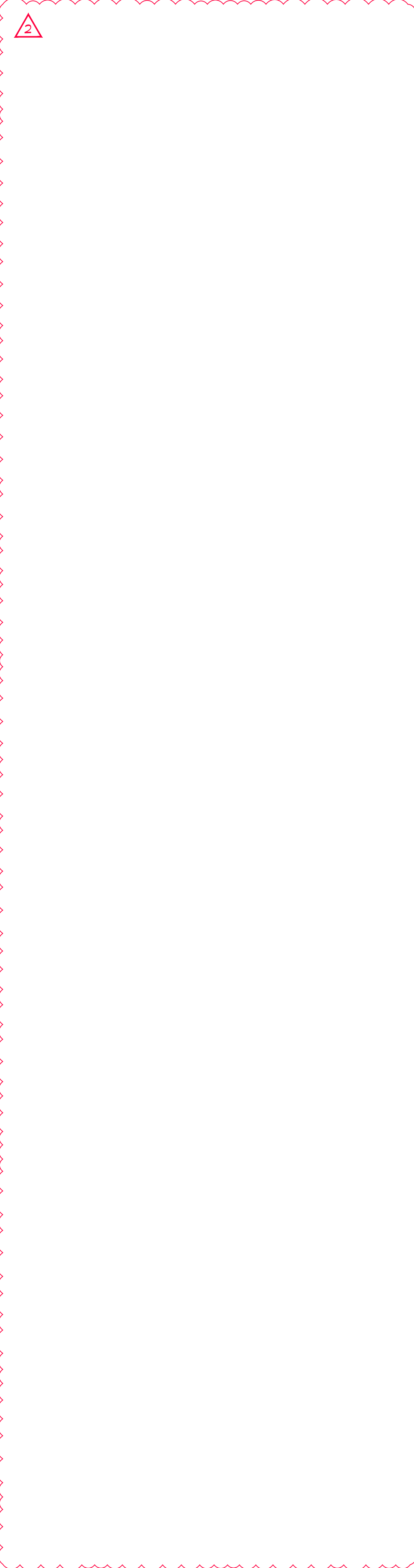
OBSTRUCTED HIGH FORWARD REACH
FIGURE 11B-308.2.2 (b)



10-24" MAX

OBSTRUCTED HIGH SIDE REACH
FIGURE 11B-308.3.2 (b)

L9
A0.3 **ACCESSIBLE REACH RANGES**
SCALE: NONE



ARCHITECTURAL NOTES

- ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER OTHER DRAWINGS FOR LAYOUT, DIMENSIONS AND NUMBER OF ITEMS PROVIDED. UPON DISCOVERY OF DISCREPANCIES BETWEEN ARCHITECTURAL DRAWINGS AND ENGINEERING DRAWINGS, OWNER AND ARCHITECT SHALL BE IMMEDIATELY NOTIFIED IN WRITING.
 - WHERE DRAWING AND SPECIFICATIONS CONFLICT, SPECIFICATIONS SHALL GOVERN.
- LAYOUT**
- DRAWINGS ARE NOT TO BE SCALED. DIMENSIONS GOVERN.
 - ALL VERTICAL DIMENSIONS SHALL BE MADE FROM THE HIGHEST POINT OF THE FLOOR SLAB TO ENSURE PROPER ALIGNMENT OF ALL DOORS, BULKHEADS, ETC.
 - ALL DRYWALL PARTITIONS ARE DIMENSIONED IN FEET AND INCHES FROM FACE OF STUD TO FACE OF STUD UNLESS NOTED OTHERWISE.
 - LOCATE INSIDE EDGE OF ALL DOOR FRAMES 3" FROM THE ADJACENT PERPENDICULAR PARTITION UNLESS NOTED OTHERWISE.
- ACCESSIBILITY**
- ALL DOORS SHALL BE IN ACCORDANCE WITH UFAS AND ADA. INSTALL ALL FRAMES, DOORS AND HARDWARE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - OFFSETS AT ALL THRESHOLDS AND ANY CHANGE IN FLOOR MATERIAL SHALL BE A MAXIMUM OF 1/2 INCH. OFFSETS EQUAL TO OR LESS THAN 1/4 INCH MAY BE VERTICAL. OFFSETS GREATER THAN 1/4 INCH REQUIRE A MAXIMUM BEVELED SLOPE OF 1 UNIT VERTICAL TO 2 UNITS HORIZONTAL.
 - ELECTRICAL SWITCHES, CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF A ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING AND VENTILATING EQUIPMENT, SHALL COMPLY WITH [DETAIL L9/A0.3](#) EXCEPT THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX. ([CBC 11B-308.1.1](#))
 - ELECTRICAL RECEPTACLE OUTLETS, ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL COMPLY WITH [DETAIL L9/A0.3](#) EXCEPT THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX. ([CBC 11B-308.1.2](#))
- INSTALLATION AND FINISHES**
- ALL FINISH MATERIALS, FIXTURES, EQUIPMENT, HARDWARE, MILLWORK AND ACCESSORIES SHALL BE INSTALLED IN ACCORDANCE WITH ALL MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL SUPPORT BACKING OR REINFORCEMENT OR OTHER PREPARATIONS AS REQUIRED.
 - ALL EXPOSED EDGES AND / OR CORNERS ON ALL PAINTED DRYWALL CONSTRUCTION SHALL RECEIVE A METAL BEAD WHICH IS TO BE TAPED AND FLOATED SMOOTH.
 - COORDINATE ALL FLOOR AND CEILING FINISHES TO ENSURE THAT JOINTS AND TRANSITIONS BETWEEN MATERIALS, WHETHER THEY BE WALL TO WALL, WALL TO FLOOR, FLOOR TO FLOOR, WALL TO CEILING, OR CEILING TO CEILING, WILL BE SMOOTH, TRUE, LEVEL AND IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS, AND SCHEDULES.
 - ALL INTERIOR STRIPPING, CAULKING, AND SEALING OF EXTERIOR DOORS, WINDOWS, AND BUILDING ENVELOPE OPENINGS, AS REQUIRED BY THE STANDARDS, SHALL BE SUBJECT TO FIELD INSPECTION.
 - PROVIDE 1-HOUR RATED 3M FIRE CAULK AT ALL PENETRATIONS.
 - AFTER INSTALLING THE INSULATION, THE INSTALLER SHALL POST IN A CONSPICUOUS LOCATION IN THE BUILDING AN INSULATION CERTIFICATE SIGNED BY THE INSTALLER AND THE BUILDER, STATING THAT THE INSULATION CONFORMS WITH THE REQUIREMENTS OF TITLE 24, PART 1 CHAPTER 10-103 OF THE CALIFORNIA ADMINISTRATIVE CODE.
 - ALL JOINTS, PENETRATIONS AND OTHER OPENINGS IN THE BUILDING ENVELOPE THAT ARE POTENTIAL SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED OR OTHERWISE SEALED TO LIMIT INFILTRATION AND EXFILTRATION. ([CEC SECTION 110.7](#))

- FIRE PROTECTION**
- THE MAXIMUM FLAME-SPREAD CLASS OF FINISH MATERIALS USED ON INTERIOR WALLS AND CEILING SHALL MEET OR EXCEED THE REQUIREMENTS OF [2019 CBC SECTION 803 AND TABLE 803.11](#).
 - ALL BUILDING INSULATION SHALL CONFORM TO FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF [2019 CBC SECTION 720](#).
 - ALL PENETRATIONS OF FIRE RATED ASSEMBLIES (FLOORS, PARTITIONS, AND / OR CEILING) SHALL BE FIRE STOPPED TO COMPLY WITH ALL APPLICABLE CODES AND IN ACCORDANCE WITH UL STANDARDS.

ADDENDUM 2
CONTRACT # 21-S-01

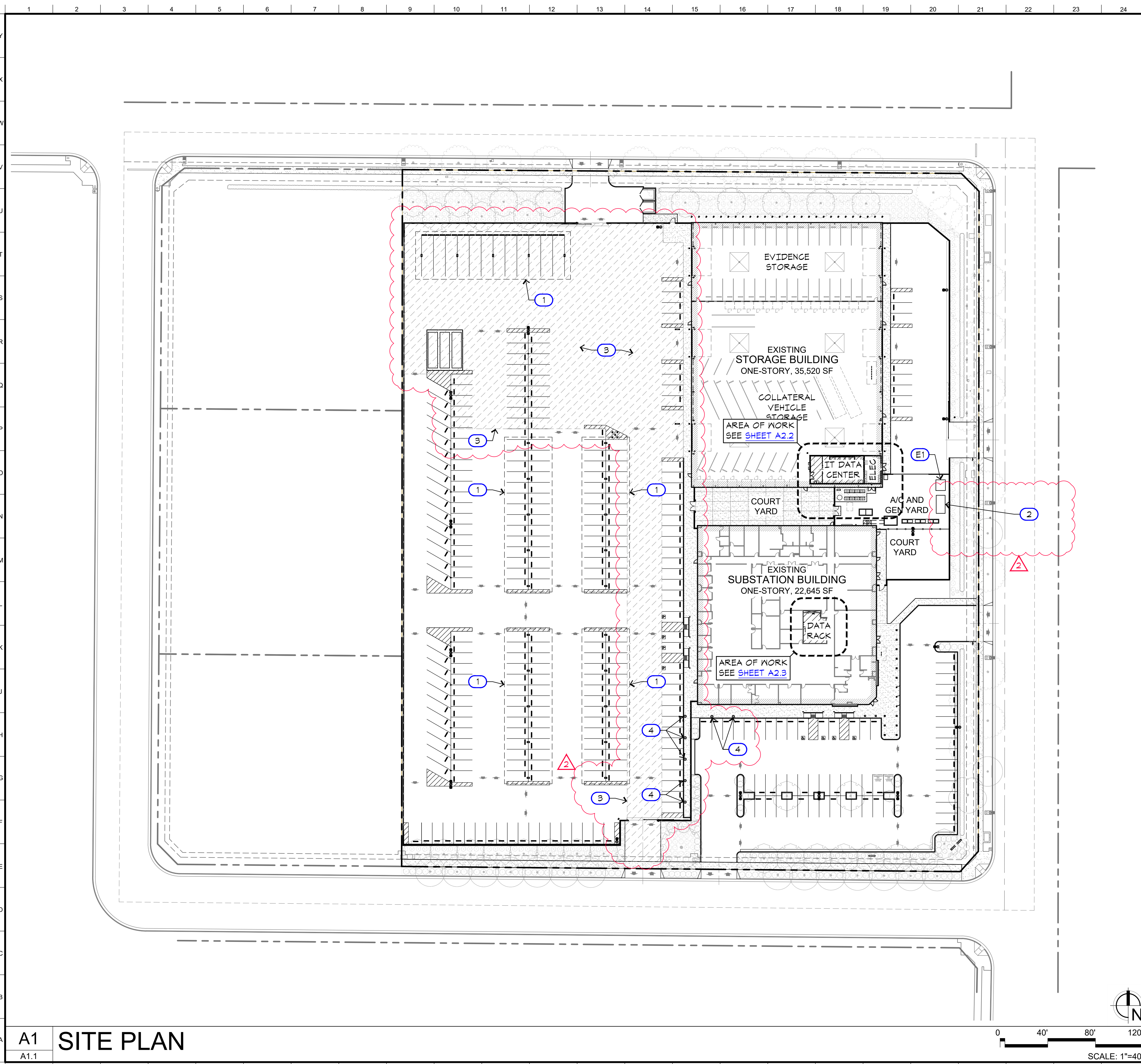
ARCHITECT:
Noel Roger Davidson, A.I.A., Architect
California Licensed Architect No. C-27818
Ren: 10-31-22
Fresno County Department of Public Works and Planning
Development Services and Capital Projects Division
2220 Tulare Street, Eighth Floor
Fresno, California 93721
Office: (559) 650-4477
E-mail: ndavidson@fresnocountyca.gov

Project:
Sheriff Area 2 Substation Storage Bldg Data Center & Elec Rm Revisions - Bid Package 2
1129 N. Armstrong Ave., Fresno, CA 93727
APN: 310-133-04 -05, and -06
ISSUE DATE: 03.16.2022
PROJECT NO: T80293 / 19003.03
FILE NAME: 19003-03_A0-3_Notes

Sheet Content:
NOTES

Fresno County Department of Public Works and Planning
Capital Projects
2220 Tulare Street, 8th Floor
Fresno, California 93721

Sheet No.
A0.3



KEYNOTES LEGEND

- (E1) EXISTING TRANSFORMER
- (1) NEW 130'-0" X 40'-0" METAL CANOPY SYSTEM W/ CENTER COLUMNS AS SHOWN. TYPICAL OF FIVE (5). SEE TYPICAL METAL CANOPY SYSTEM SECTION' DETAIL J19/A1.2
- (2) NEW OWNER FURNISHED CONTRACTOR INSTALLED BACK-UP GENERATOR. CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS TO INSTALL NEW CONCRETE PAD PER DETAILS A1/A1.2 AND O1/A1.2
- (3) HATCH PATTERN INDICATES AREA OF EXISTING HEAVY TRUCK PAVEMENT SECTION: 3.5" AC/ 14" AB/ 12" C.N.S. PAVEMENT SECTION AT ALL OTHER EXISTING PAVEMENT AREAS: 2.5" AC/ 10.5" AB/ 12" C.N.S. ANY AREAS SAWCUT AS PART OF THIS WORK SHALL BE REPLACED TO MATCH EXISTING.
- (4) OWNER FURNISHED CONTRACTOR INSTALLED VEHICLE CHARGING STATION. TYPICAL OF 7.

PROJECT DATA

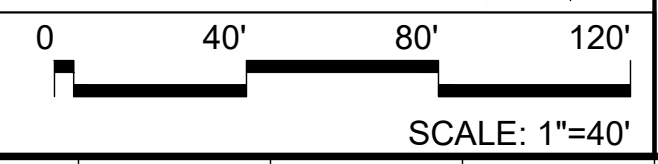
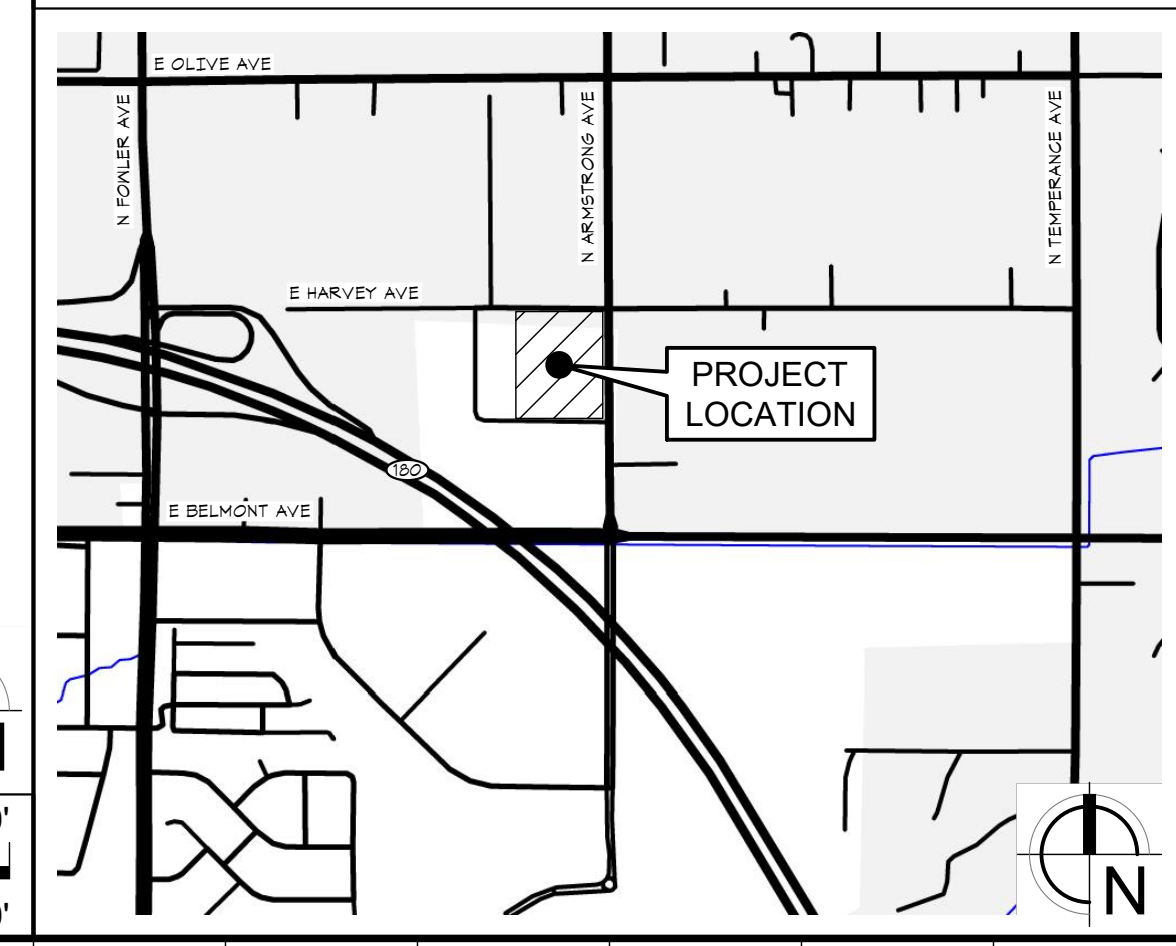
1. PROJECT TITLE:
FRESNO COUNTY SHERIFF
AREA 2 SUBSTATION
 - 1.1. SUBSTATION BLDG
 - 1.2. STORAGE BLDG
2. PROJECT ADDRESS:
1129 N ARMSTRONG AVE
FRESNO, CA 93727
3. APN:
310-133-04, 05, 06T
4. VOLUNTARY MERGER (VM) NO. 2083
5. ZONING: LU/UGM/CZ
6. SITE AREA: 283,080 SF (6.50 AC)
7. SUBSTATION BLDG
 - 7.1. BLDG AREA: 22,700 SF
 - 7.2. OCCUPANCY: A-3, B w/ A-2 AND S-1 ACCESSORY
 - 7.3. CONSTRUCTION: IIB - SPRINKLERED
 - 7.4. OCCUPANTS: 646
8. STORAGE BLDG
 - 8.1. BLDG AREA: 35,520 SF
 - 8.2. OCCUPANCY: S-2
 - 8.3. CONSTRUCTION: IIB - SPRINKLERED
 - 8.4. OCCUPANTS: 116
9. SITE COVERAGE: 20.6%
10. BUILDING CODE:
2019 CALIFORNIA BUILDING CODE
11. ESSENTIAL SERVICES BUILDINGS PER 2019 CAC, CHPT 4, ARTICLE 1
12. SEISMIC DESIGN CATEGORY D
13. COUNTY OF FRESNO
SPR APPLICATION NO. 8156

ADDENDUM 2
CONTRACT # 21-S-01



Project:
Sheriff Area 2 Substation Storage Bldg Data Center & Elec Rm Revisions - Bid Package 2
1129 N. Armstrong Ave., Fresno, CA 93727
APN: 310-133-04, -05, and -06
ISSUE DATE: 03.16.2022
PROJECT NO: T80293 / 19003.03
FILE NAME: 19003-03_A1-1_Site_Plan

VICINITY MAP

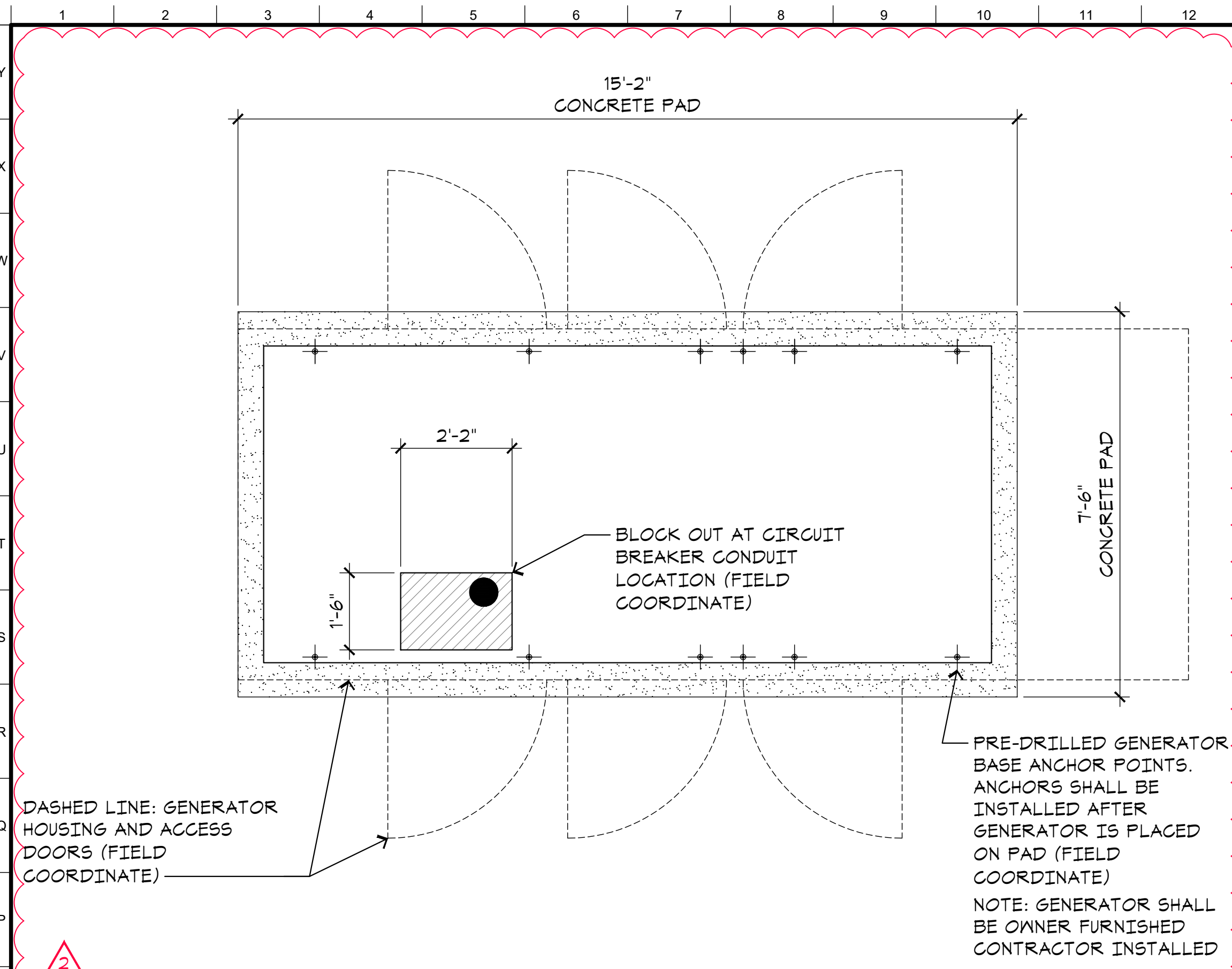


A1 SITE PLAN
A1.1

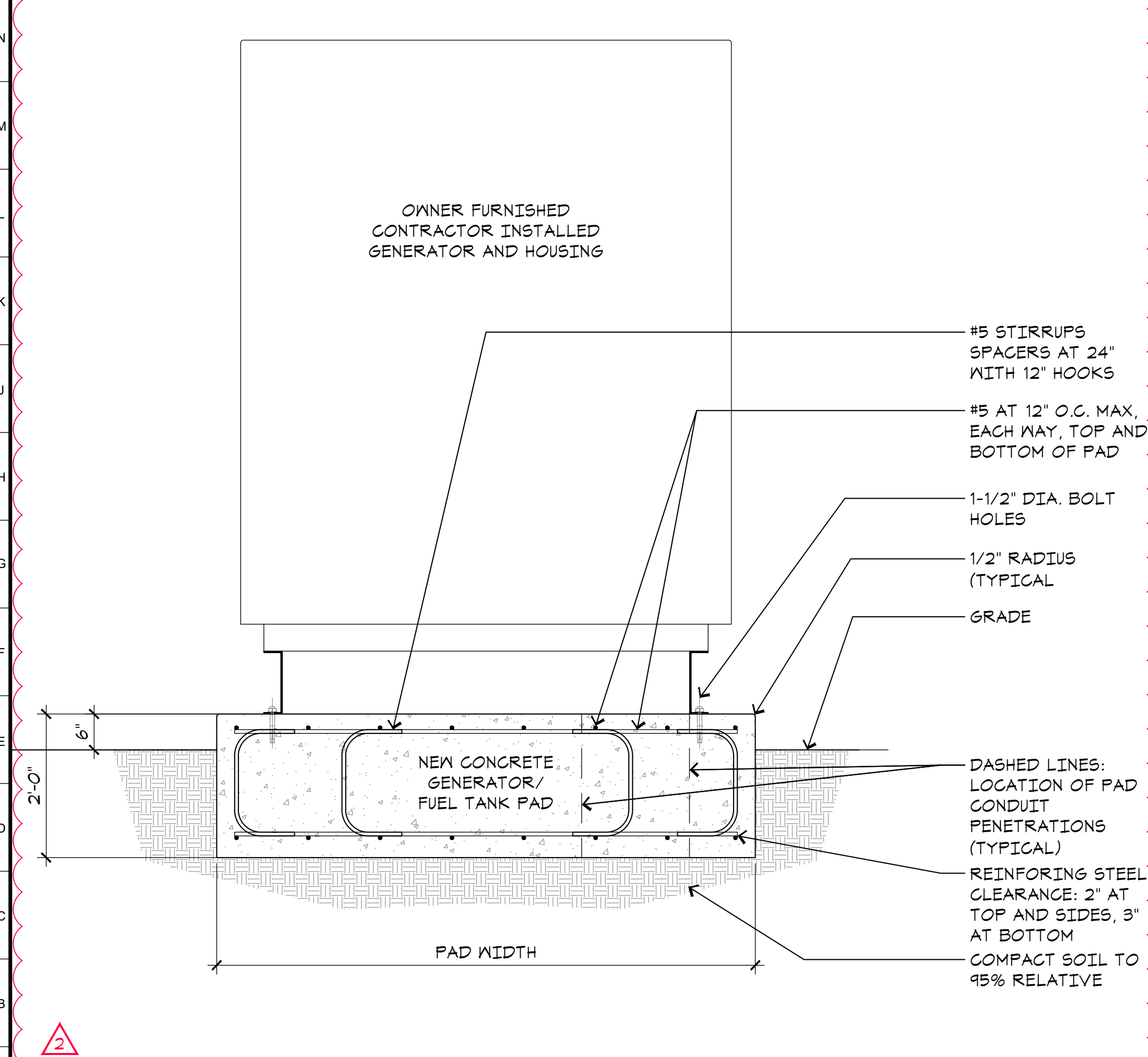
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SITE PLAN

Fresno County Department of Public Works and Planning
Capital Projects
2220 Tulare Street, 8th Floor
Fresno, California 93721

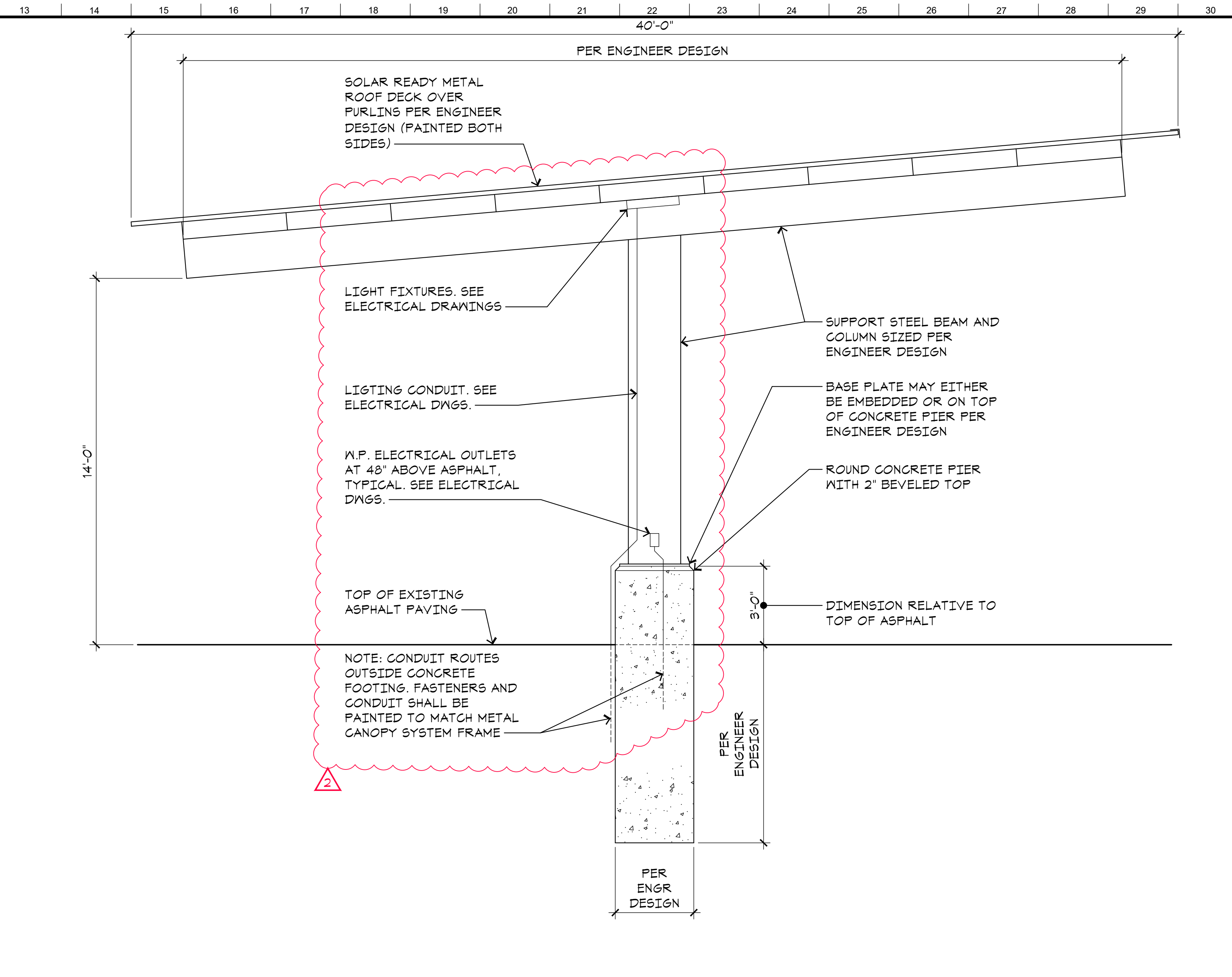
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A1.1



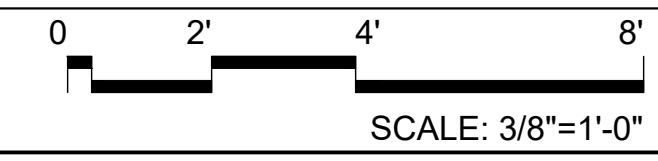
O1 PLAN AT GENERATOR
A1.2



A1 SECTION AT GENERATOR
A1.2



J13 TYPICAL METAL CANOPY SYSTEM SECTION
A1.2



ADDENDUM Δ 2
CONTRACT # 21-S-01

LICENSED ARCHITECT
NOEL ROGER DAVIDSON, A.I.A.
ARCHITECT
Noel Roger Davidson, A.I.A., Architect
California Licensed Architect No. C-27818
Ren: 10-31-22
Fresno County Department of Public Works and Planning
Development Services and Capital Projects Division
2220 Tulare Street, Eighth Floor
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Office: (559) 650-4477
E-mail: ndavidson@fresnocountyca.gov

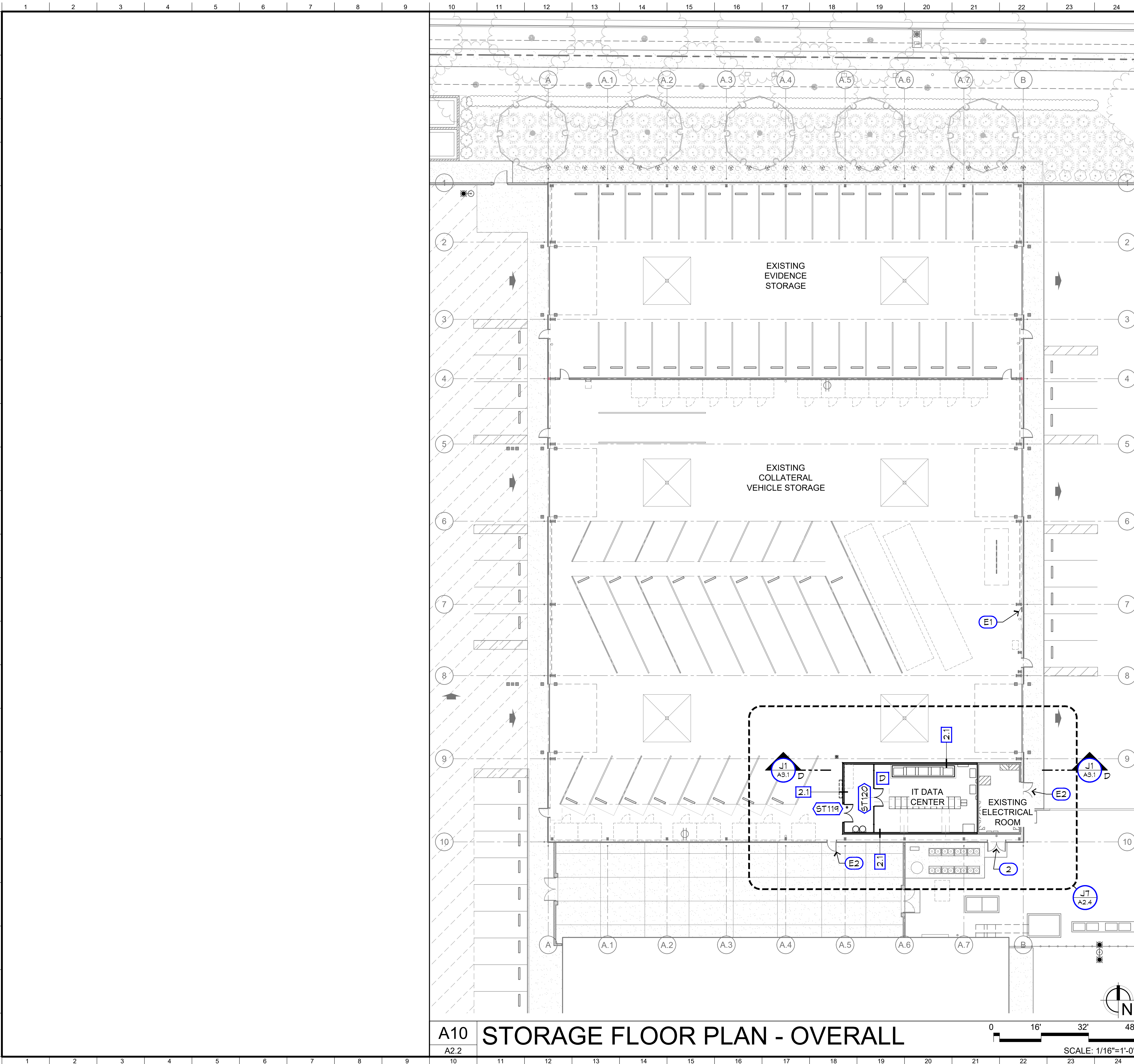
Project:
Sheriff Area 2 Substation Storage Bldg Data Center & Elec Rm Revisions - Bid Package 2
1129 N. Armstrong Ave., Fresno, CA 93727
APN: 310-133-04, -05, and -06
ISSUE DATE: 03.16.2022
PROJECT NO: T80293 / 19003.03
FILE NAME: 19003-03_A1-2_Site_Details

Sheet Content:
SITE DETAILS

Fresno County Department of Public Works and Planning
Capital Projects
2220 Tulare Street, 8th Floor
Fresno, California 93721



Sheet No.
A1.2



WALL LEGEND

- EXISTING EXTERIOR WALL (NR)
- INTERIOR WALL (NR) - 600T125-54 METAL TRACK TOP AND BOTTOM W/ 600S162-54 METAL STUDS AT 12" O.C. MAX, R-19 BATT INSULATION AND 3/4" FIRE-RETARDANT PLYWOOD SHEATHING BOTH SIDES. INSTALL SHEATHING W/ LENGTH AXIS PERPENDICULAR TO SUPPORTS AND FASTEN W/ #6 x 1" WAFER HEAD STGMS AT 6" O.C. AT EDGES AND 12" O.C. AT FIELD

KEYNOTES LEGEND

- (E1) EXISTING ELECTRICAL PANEL
- (E2) EXISTING EXIT DOORS
- (1) NOT USED
- (2) FIRE RISER ACCESS W/ FIRE DEPARTMENT KEY IN KNOX BOX

A10 STORAGE FLOOR PLAN - OVERALL



ADDENDUM ²
 CONTRACT # 21-S-01

ARCHITECT:
 Noel Roger Davidson, A.I.A., Architect
 California Licensed Architect No. C-27818
 Ren: 10-31-22
 Fresno County Department of Public Works and Planning
 Development Services and Capital Projects Division
 2220 Tulare Street, Eighth Floor
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 Office: (559) 650-4477
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 ISSUE DATE: 03.16.2022
 PROJECT NO: T80293 / 19003.03
 FILE NAME: 19003-03_A2-2_ST_Floor_Plan

Sheet Content:
 STORAGE FLOOR PLAN

Fresno County Department of Public Works and Planning
 Capital Projects

2220 Tulare Street, 8th Floor
 Fresno, California 93721

Sheet No.

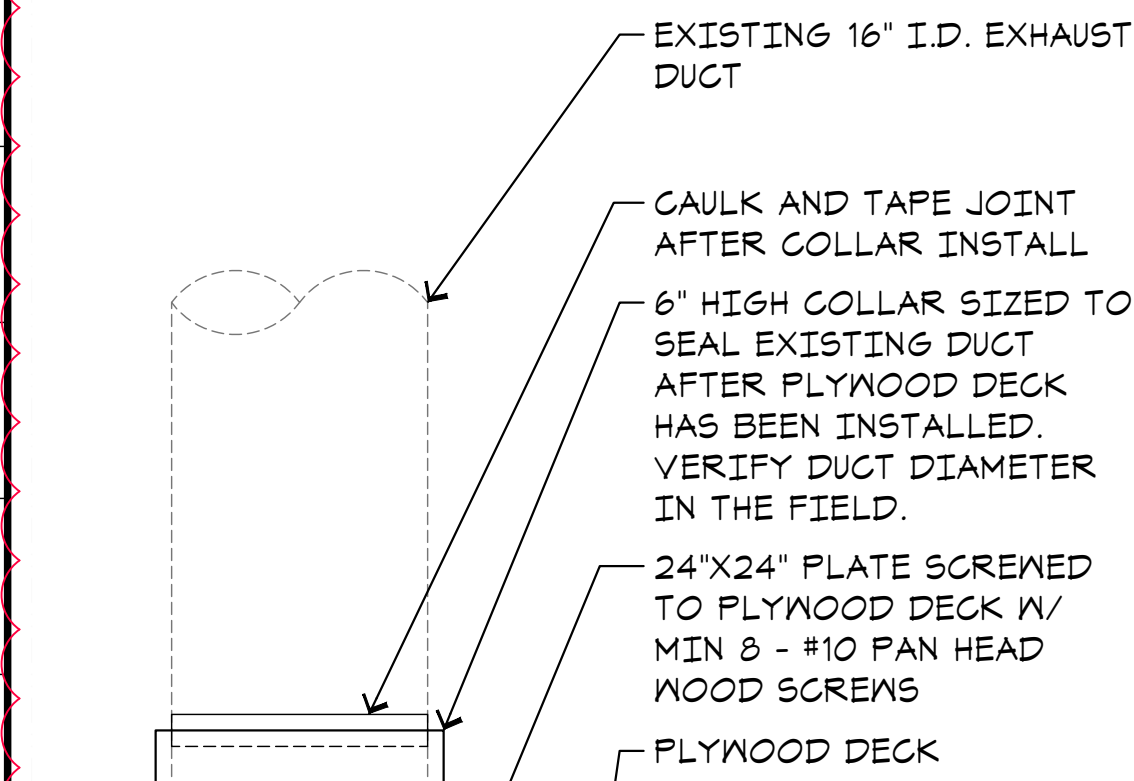
A2.2

WALL LEGEND

- EXISTING EXTERIOR WALL (NR)
- INTERIOR WALL (NR) - 600T125-54 METAL TRACK TOP AND BOTTOM W/ 600S162-54 METAL STUDS AT 12" O.C. MAX, R-19 BATT INSULATION AND 3/4" FIRE-RETARDANT PLYWOOD SHEATHING BOTH SIDES. INSTALL SHEATHING W/ LENGTH AXIS PERPENDICULAR TO SUPPORTS AND FASTEN W/ #6 x 1" WAFFER HEAD STMS AT 6" O.C. AT EDGES AND 12" O.C. AT FIELD

KEYNOTES LEGEND

- 1** CEILING CONSTRUCTION
600T125-54 METAL TRACK PERIMETER W/ DOUBLE 600S162-54 METAL JOISTS AT 16" O.C. MAX, R-21 BATT INSULATION AND 3/4" FIRE-RETARDANT PLYWOOD SHEATHING BOTH SIDES. ALIGN SLOTS IN NEW JOISTS W/ SLOTS IN EXISTING JOISTS INSTALLED AT ELECTRICAL ROOM TO ACCOMMODATE CONTINUOUS ELECTRICAL CONDUIT PATHWAYS. INSTALL SHEATHING WITH LENGTH AXIS PERPENDICULAR TO SPAN SUPPORTS. ATTACH TO SUPPORTS WITH #6 x 1" WAFFER HEAD STMS AT 6" O.C. AT EDGES AND 12" O.C. AT FIELD
- 2** CABLE TRAYS BELOW
- 3** NEW 3/4" FIRE RETARDANT PLYWOOD DECK. TOP OF DECK SHALL BE PAINTED W/ TWO COATS OF EPOXY BASED PAINT (GREY) PRIOR TO INSTALLING A/C EQUIPMENT
- 4** A/C EQUIPMENT. SEE MECHANICAL DWGS.
- 5** PROVIDE DOUBLE STUDS AT EACH SIDE OF DUCT WALL PENETRATION BELOW, TYPICAL
- 6** A/C UNIT BELOW. SEE MECHANICAL DWGS.
- 7** INSTALL NEW R-21 BATT INSULATION IN EXISTING ROOF CONSTRUCTION O/ ELECTRICAL ROOM
- 8** REMOVE EXISTING TEMPORARY BRACING PRIOR TO INSTALLATION OF PLYWOOD DECK ABOVE
- 9** EXISTING EXHAUST DUCT AT EXISTING ELECTRICAL ROOM TYPICAL. REMOVE EXISTING EXHAUST FAN DUCTS AS NEEDED TO INSTALL NEW PLYWOOD DECKING. REINSTALL DUCT AFTER PLYWOOD HAS BEEN INSTALLED.
- 10** EXISTING WALL MOUNTED EXHAUST FAN
- 11** PROVIDE 6" HIGH x 24 GA GALVANIZED SHEET METAL COLLAR AT EXISTING DUCT AFTER PLYWOOD DECK INSTALL. SEE [DETAIL A1/A2.5](#)



A1 DETAIL AT DUCT

A2.5 SCALE: 1/4"=1'-0"

CEILING LEGEND

- PAINTED GYPSUM BOARD
- EXISTING PAINTED PLYWOOD
- SURFACE-MOUNTED LIGHT FIXTURE. SEE ELECTRICAL
- EXISTING SUSPENDED LIGHT FIXTURE. SEE ELECTRICAL
- EXISTING EXHAUST FAN. SEE MECHANICAL
- CEILING SUSPENDED HVAC UNIT. SEE MECHANICAL

ADDENDUM 2 CONTRACT # 21-S-01

ARCHITECT:
Noel Roger Davidson, A.I.A., Architect
California Licensed Architect No. C-27818
Ren: 10-31-22
Fresno County Department of Public Works and Planning
Development Services and Capital Projects Division
2220 Tulare Street, Eighth Floor
Fresno, California 93721
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E-mail: ndavidson@fresnocountyca.gov

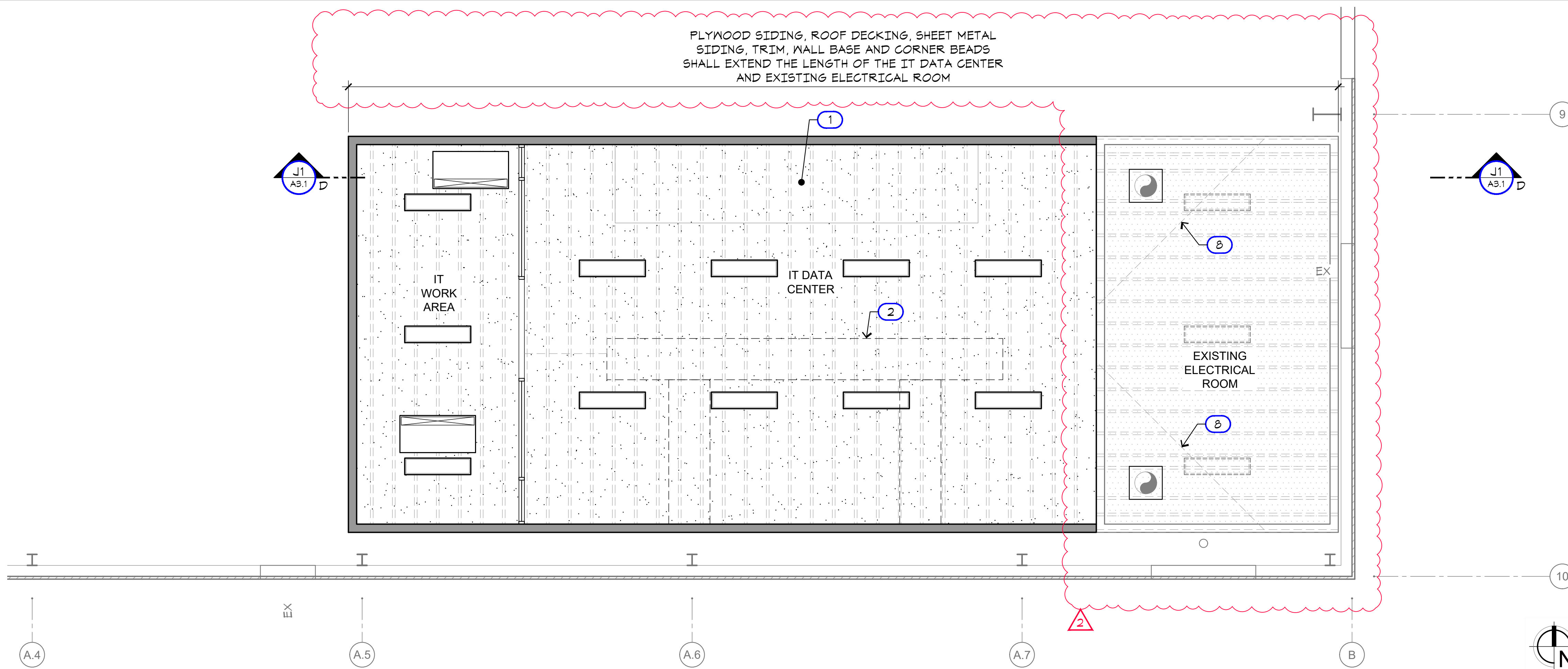
Project:
Sheriff Area 2 Substation Storage Bldg Data Center & Elec Rm Revisions - Bid Package 2
1129 N. Armstrong Ave., Fresno, CA 93727
APN: 310-133-04, -05, and -06
ISSUE DATE: 03.16.2022
PROJECT NO: T80293 / 19003.03
FILE NAME: 19003-03_A2-5_ST_Data_Center

Sheet Content:
STORAGE DATA CENTER
REFL CLNG AND ROOF
PLANS

Fresno County Department of Public Works and Planning
Capital Projects
2220 Tulare Street, 8th Floor
Fresno, California 93721

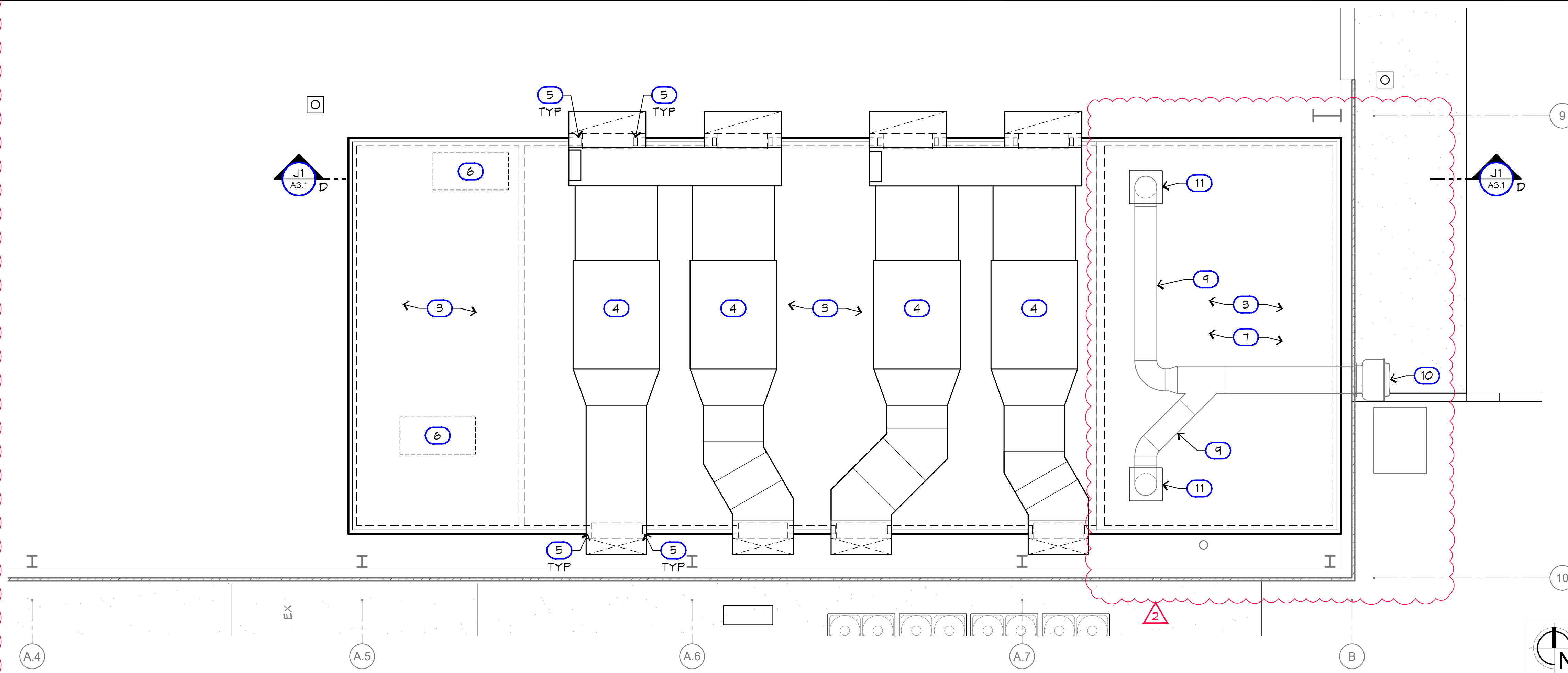
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A2.5



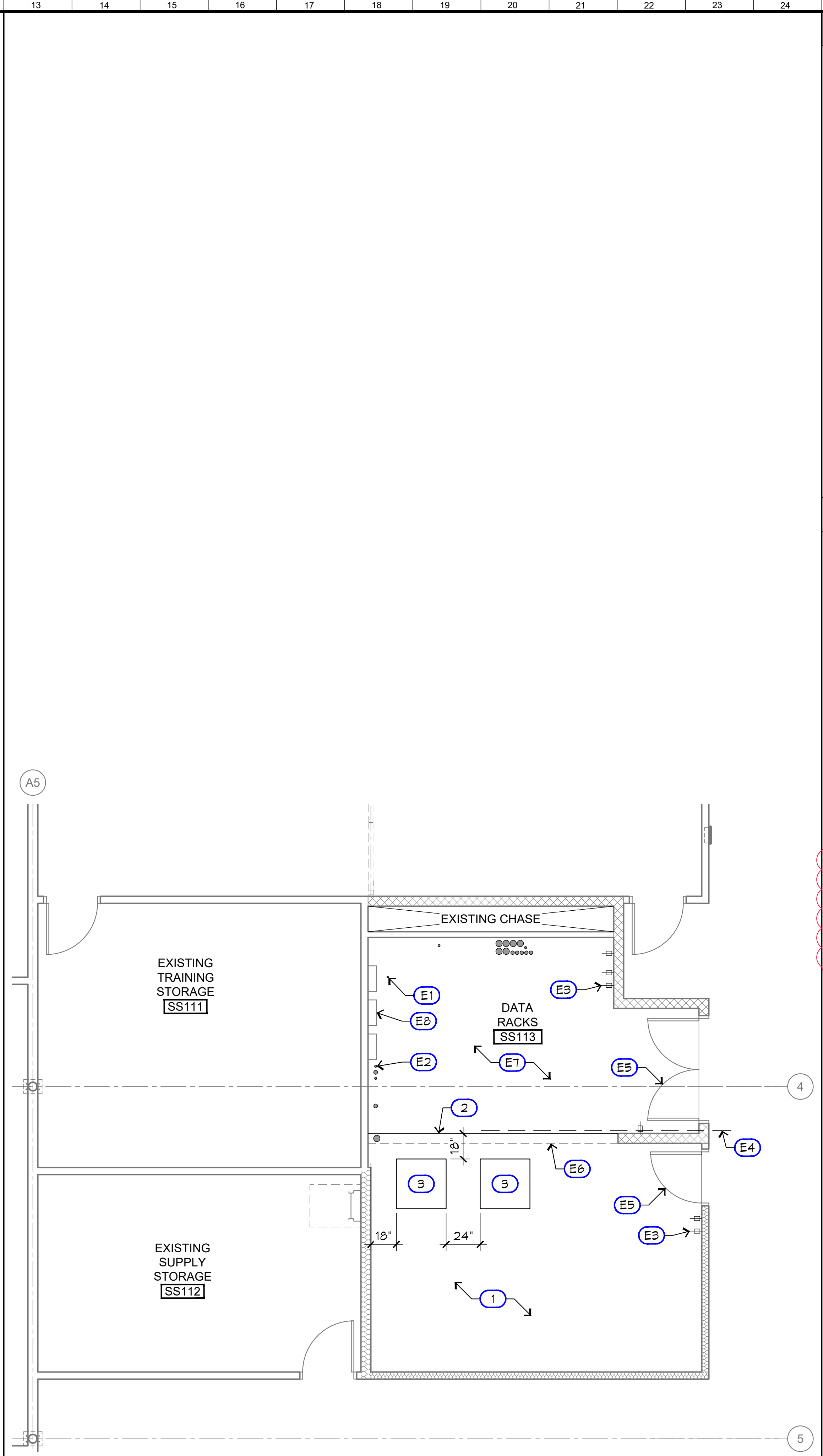
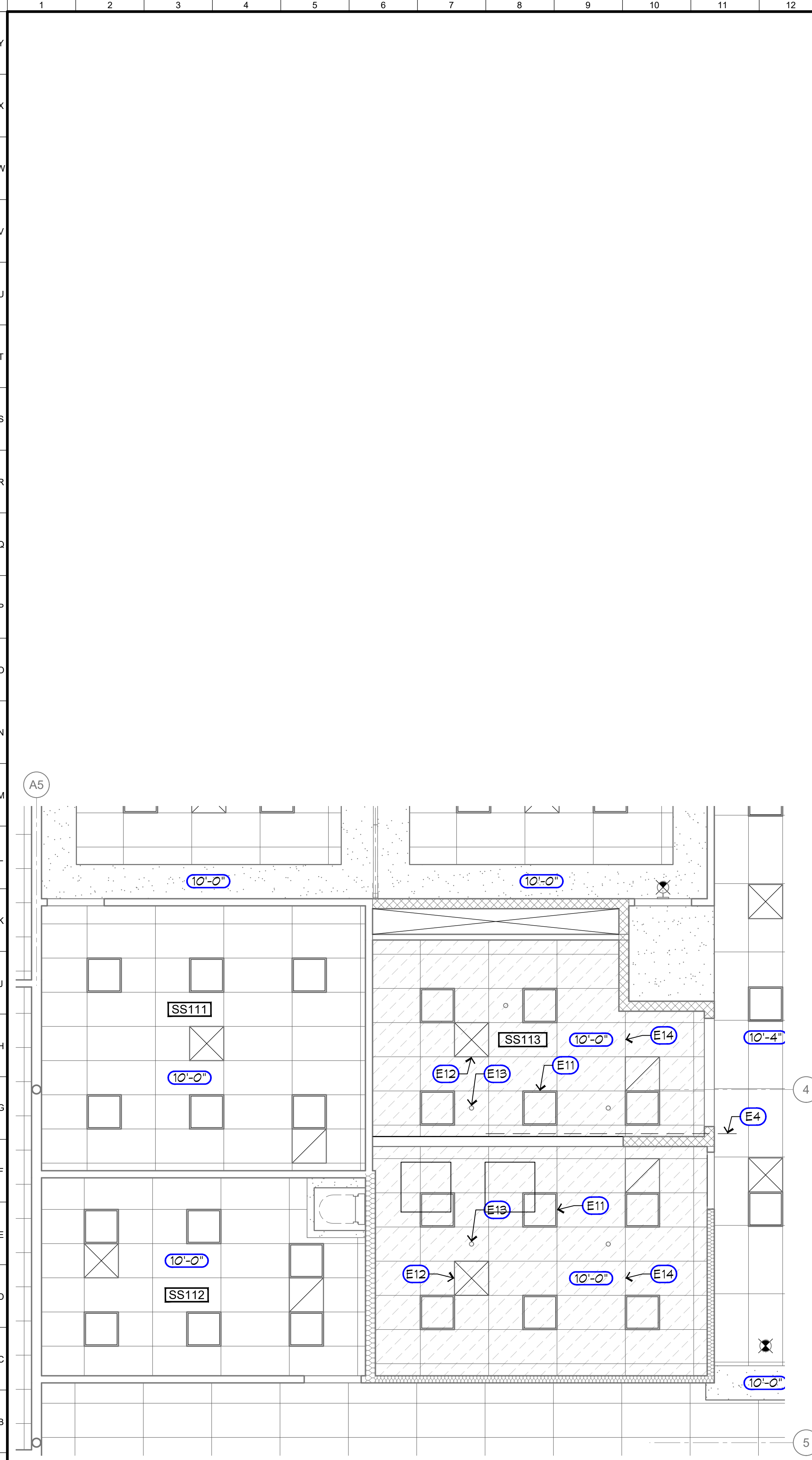
N7 REFLECTED CEILING PLAN

A2.5







A7 ROOF PLAN









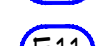



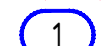

A2.5




WALL LEGEND

-  EXTERIOR WALL (NR) - STUCCO O/ METAL LATHE O/ WRB O/ SHEATHING O/ 6" x 16 GA METAL STUDS AT 16" O.C. MAX W/ R-19 BATT INSULATION AND 5/8" GYP BD AT INTERIOR WHERE EXPOSED UNLESS NOTED OTHERWISE.
-  INTERIOR WALL (NR) - 3 5/8" x 20 GA. METAL STUDS AT 24" O.C. MAX W/ 3-1/2" SOUND BATT INSULATION AND 5/8" GYP BD EA SIDE WHERE EXPOSED. EXTEND 6" MINIMUM ABOVE ADJACENT CEILING AND BRACE TO STRUCTURE.
-  INTERIOR WALL (NR) - SAME AS [1.1] ABOVE EXCEPT USE 6" x 20 GA. METAL STUDS AT 24" O.C.
-  INTERIOR WALL (NR) - SAME AS [1.1] ABOVE EXCEPT USE 6" x 20 GA. METAL STUDS AT 24" O.C. AND R-19 UNFACED BATT INSULATION

KEYNOTES LEGEND

-  EXISTING CU GRND
-  EXISTING CONDUIT IN FLOOR TO BE PROTECTED UNO
-  EXISTING LIGHTING CONTROLS AND THERMOSTAT LOCATIONS, TYPICAL
-  EXISTING BANK OF OVERHEAD EMT CONDUIT
-  EXISTING DOOR, FRAME AND HARDWARE
-  EXISTING BOX HEADER ABOVE
-  EXISTING ANTI-STATIC FLOORING
-  EXISTING ELECTRICAL PANELS
-  EXISTING LIGHT FIXTURE, TYPICAL
-  EXISTING HVAC REGISTER, TYPICAL
-  EXISTING FIRE SPRINKLER, TYPICAL
-  EXISTING T-BAR CEILING GRID AND CEILING TILE. REMOVE AND REINSTALL DAMAGED TILE AS NEEDED. CLEAN AND SEAL EXISTING CONCRETE
-  PROVIDE LOW RISE ADA COMPLIANT VINYL REDUCER STRIP AT EDGE OF EXISTING STATIC RESISTANT FLOORING
-  NEW MECHANICAL GRAC UNITS. SEE MECHANICAL DRAWINGS. NOTE: UNITS BOLT TO EXISTING CONCRETE SLAB.

ADDENDUM 

CONTRACT # 21-S-01

REGISTERED ARCHITECT

NOEL ROGER DAVIDSON, A.I.A.

C-27818

REN: 10-31-23

STATE OF CALIFORNIA

ARCHITECT:
Noel Roger Davidson, A.I.A., Architect
California Licensed Architect No. C-27818
Ren: 10-31-22
Fresno County Department of Public Works and Planning
Development Services and Capital Projects Division
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Fresno, California 93721
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 1129 N. Armstrong Ave., Fresno, CA 93727
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 ISSUE DATE: 03.16.2022
 PROJECT NO: T80293 / 19003.03
 FILE NAME: 19003-03_A2-6_SS_Data_Center

Sheet Content:
 OFFICE DATA CENTER



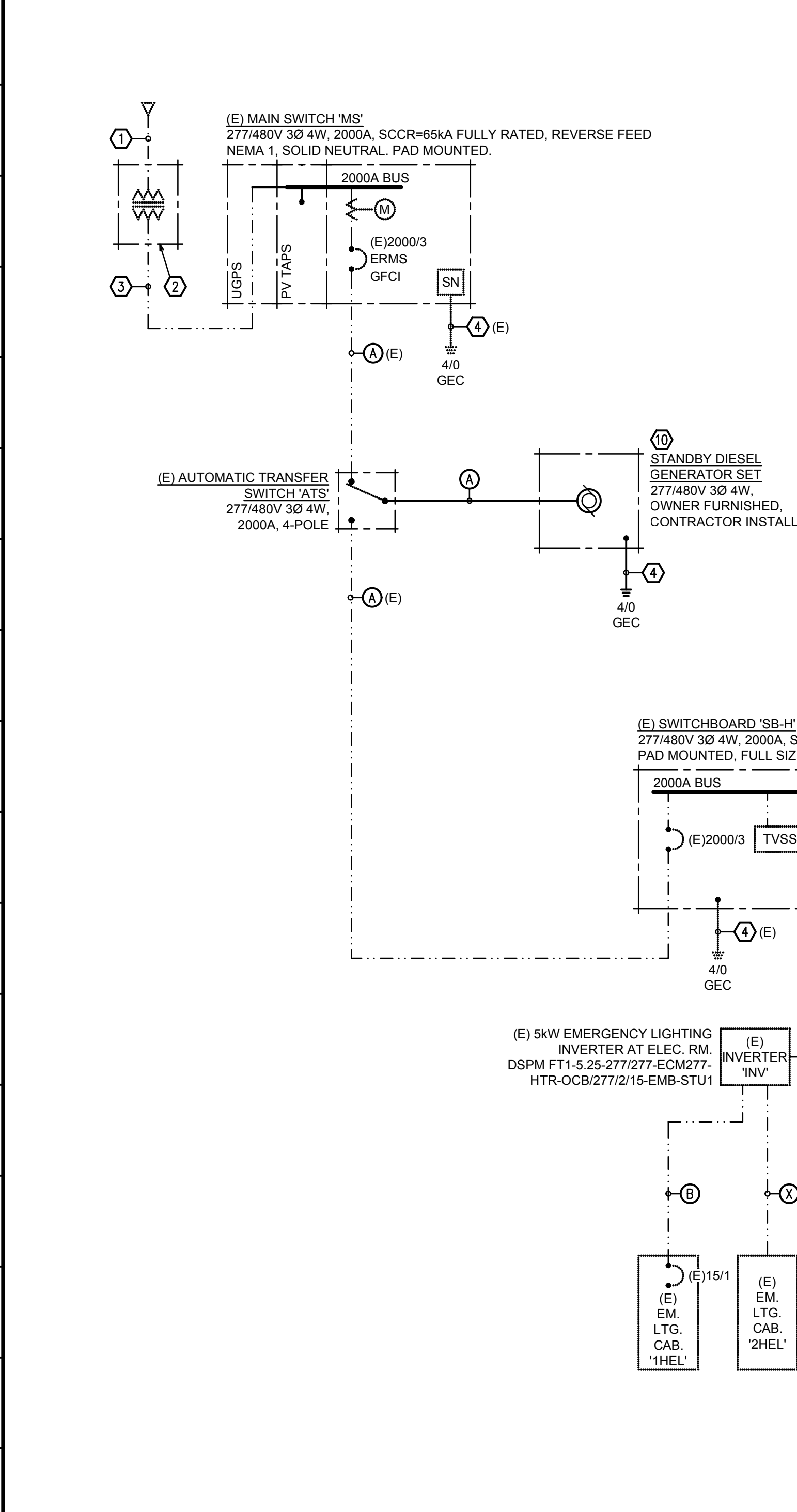
Sheet No.
A2.6

A1 NEW REFL CEILING PLAN
 A2.6 SCALE: 1/4"=1'-0"

A13 NEW FLOOR PLAN
 A2.6 SCALE: 1/4"=1'-0"

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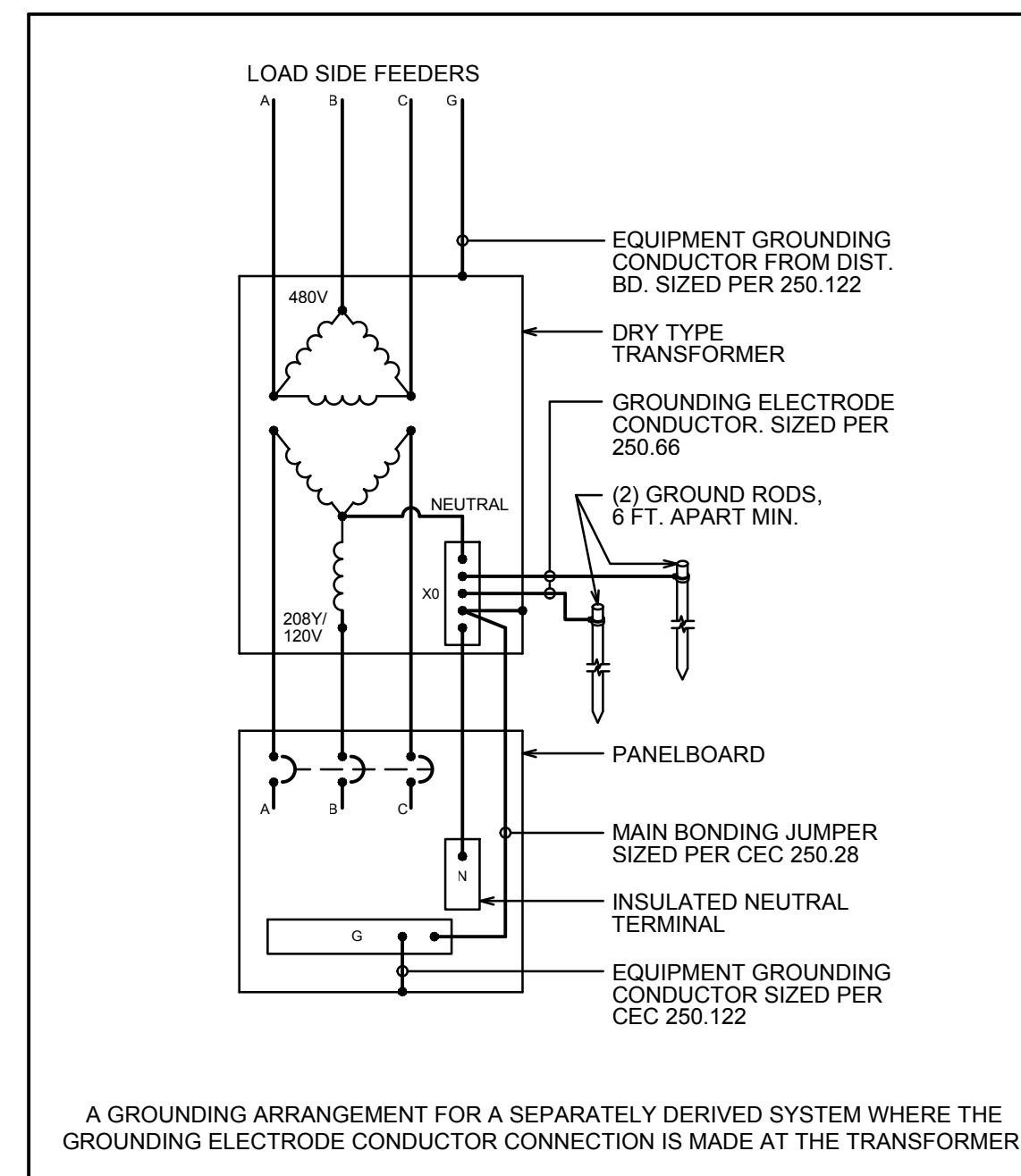
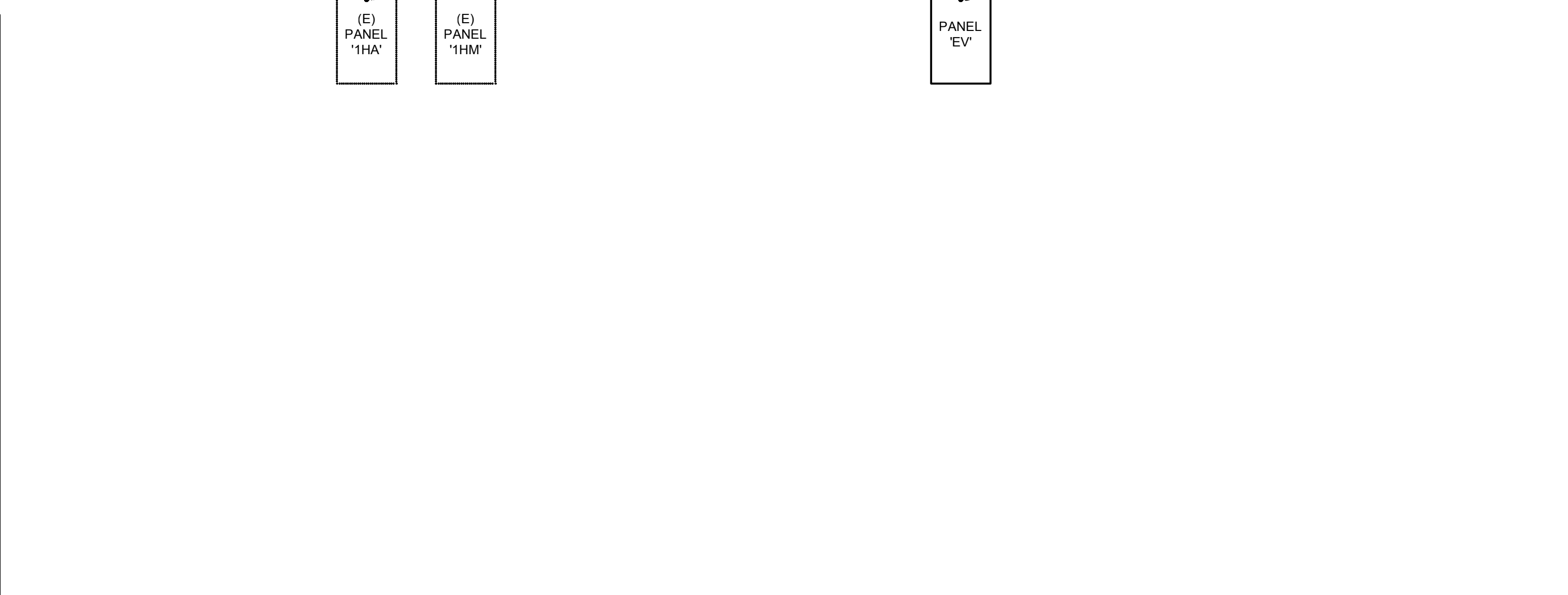
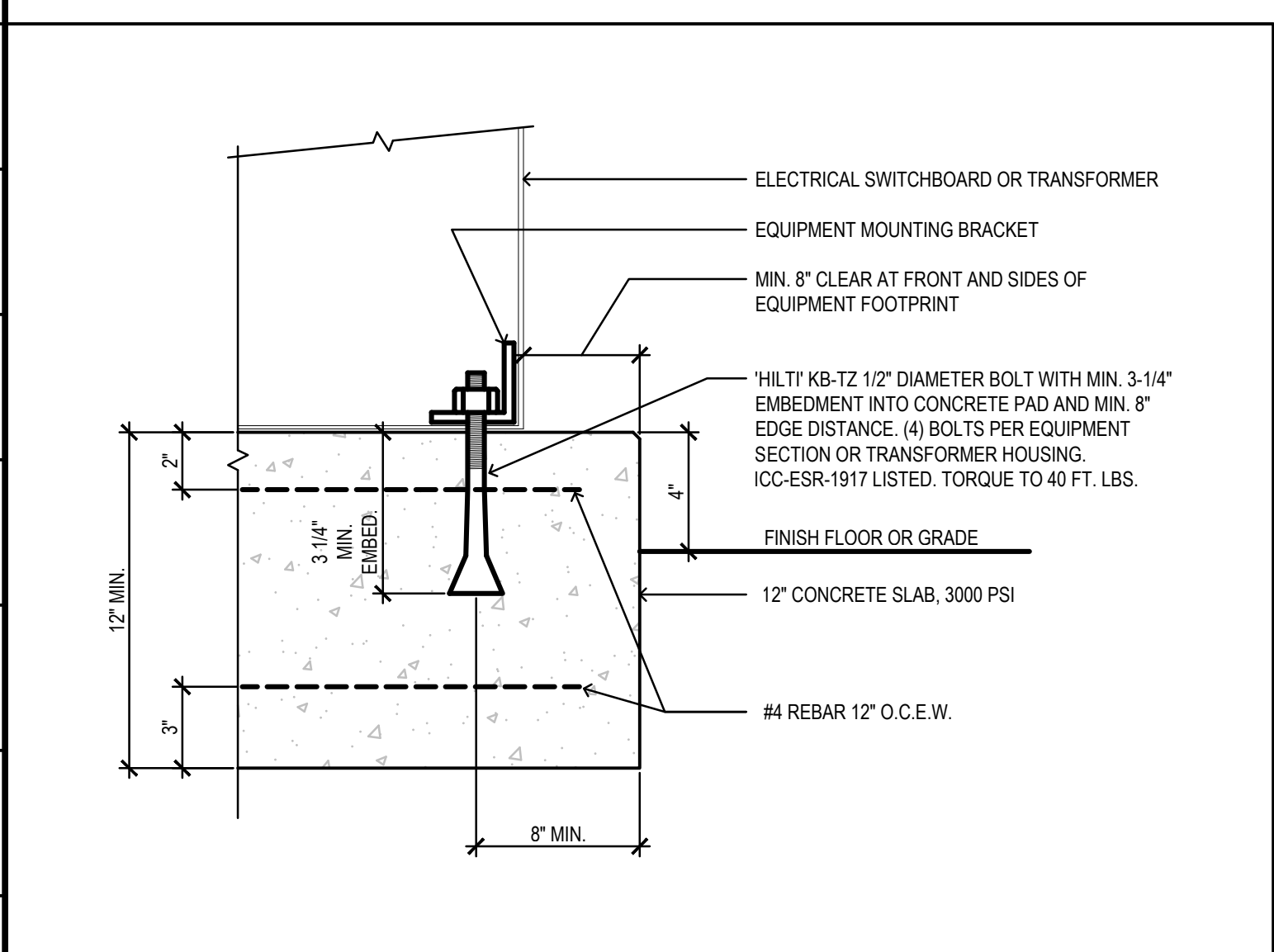
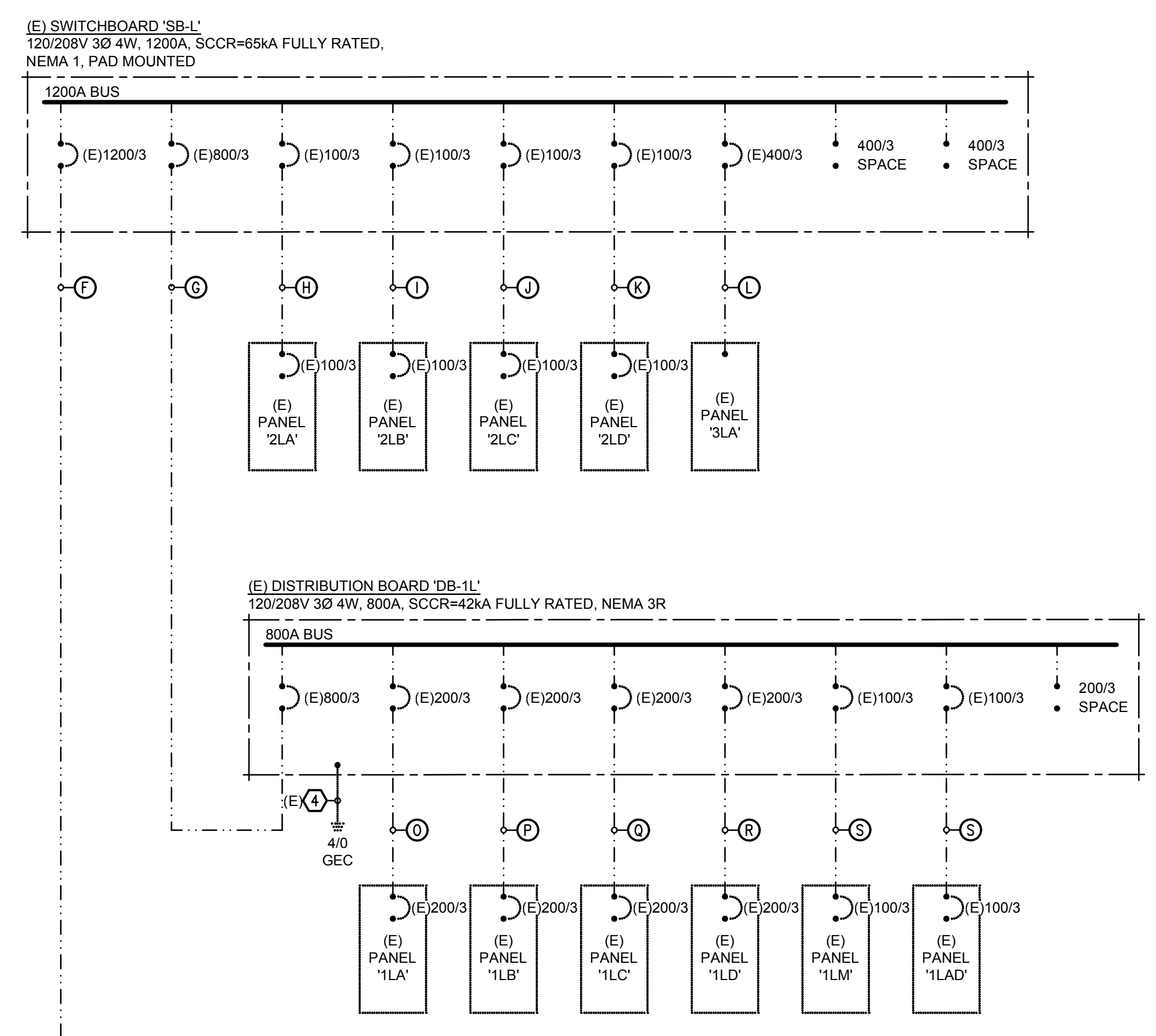
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FEEDERS

A. (5) SETS - 4°C. 4#600KCMIL, 1#4/0G.	Q. (E) 2-1/2°C. 4#4/0, 1#4G.
B. (E) 1-1/2°C. 2#10, 1#10G.	R. (E) 2°C. 4#3/0, 1#6G.
C. (E) (2) SETS - 4°C. 4#500KCMIL, 1#3/0G.	S. (E) 2°C. 4#1/0, 1#4G.
D. (E) 1-1/2°C. 4#2, 1#6G.	T. (E) (2) SETS - 4°C. 4#500KCMIL, 1#3/0G.
E. (E) 4°C. 3#600KCMIL, 1#2G.	U. 4°C. 4#500KCMIL, 1#2G.
F. (E) (3) SETS - 4°C. 4#600KCMIL, 1#4/0G.	V. 1-1/2°C. 4#6, 1#10G.
G. (E) (2) SETS - 4°C. 4#500KCMIL, 1#3/0G.	W. (E) (3) SETS - 4°C. WITH PULL LINES
H. (E) 2°C. 4#2/0, 1#2G.	X. (E) 1°C. FOR FUT. LTG. CAB.
I. (E) 1-1/2°C. 4#2, 1#6G.	AA. REFER TO COUNTY OF FRESNO INTERNAL SERVICES DIVISION DRAWINGS E00-E20.
J. (E) 2°C. 4#2/0, 1#2G.	AB. (E) 4°C. 4#500KCMIL, 1#2G.
K. (E) 2-1/2°C. 4#3/0, 1#2G.	AC. (E) 4°C. TO SITE (FOR FUTURE SOLAR)
L. (E) 4°C. 4#500KCMIL, 1#2G.	AD. (E) 2°C. PROVIDE 3#3/0, 1#4G.
M. (E) 1-1/2°C. 4#2, 1#6G.	AE. (E) 2°C. PROVIDE 3#2/0, 1#6G.
N. (E) 3°C. 4#300KCMIL, 1#4G.	AF. (E) 4°C. PROVIDE 4#500KCMIL, 1#1/0G.
O. (E) 2-1/2°C. 4#4/0, 1#4G.	
P. (E) 3°C. 4#250KCMIL, 1#4G.	

- LINE DIAGRAM KEY NOTES**
- EXISTING 4°C. UTILITY PRIMARY.
 - EXISTING UTILITY TRANSFORMER & CONCRETE PAD.
 - EXISTING (7) 5°C. UTILITY SECONDARY PER PG&E.
 - GROUNDING ELECTRODE CONDUCTOR TO UFER, STRUCTURAL STEEL, METAL WATER PIPE, AND FIRE SPRINKLER RISER.
 - EXISTING LOTO CIRCUIT BREAKER.
 - EXISTING SHUNT TRIP CIRCUIT BREAKER FOR INTERFACE WITH FIRE SUPPRESSION SYSTEM.
 - EXISTING "SOLAR DISCONNECT" PER PG&E RULES.
 - WP ENCLOSED CIRCUIT BREAKER. MOUNT TO CMU WALL.
 - GROUNDING ELECTRODE CONDUCTOR TO (2) 5/8"Ø x 10 FT. CU CLAD GROUND RODS IN GROUND WELL BOXES, EACH ROD LOCATED A MINIMUM OF 6 FT. APART. SEE DETAIL A25E1.1.
 - MAKE ALL CONNECTIONS TO OWNER-PROVIDED DIESEL GENSET. CONNECT POWER FEEDER, JACKET HEATER, AND BATTERY CHARGER. BATTERY CHARGER REQUIRES CONNECTION TO UPS SYSTEM - COORDINATE BATTERY CHARGER CIRCUIT WITH COUNTY OF FRESNO I.T. DEPT.



REGISTERED PROFESSIONAL ENGINEER
SCOTT DAVIDSON
E17850
STATE OF CALIFORNIA

HARDIN-DAVIDSON ENGINEERING
356 Poliasky Ave., Suite 200
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LICENSED ARCHITECT
ROBERT DAVIDSON
C-27818
REN: 10-31-23
STATE OF CALIFORNIA

ARCHITECT:
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 1129 N. Armstrong Ave., Fresno, CA 93727
 APN: 310-133-04 -05, and -06
 ISSUE DATE: 03.08.2022
 PROJECT NO: T80293 / 19003.03
 FILE NAME: 19074 - 7_Elec_New Bid Ph 2

Sheet Content:
 POWER SINGLE LINE DIAGRAM AND ELECTRICAL DETAILS
 ADDENDUM 2

Fresno County Department of Public Works and Planning
 Capital Projects
 2220 Tulare Street, 8th Floor
 Fresno, California 93721

Sheet No.
E1.1

PANELBOARD AND FEEDER NOT A PART OF THIS BID

PANEL "1LM" SCHEDULE

120/208V 3Φ 4W INDOOR / FLUSH

CKT. NO.	DESCRIPTION	BREAKER		VA	Φ	VA	BREAKER		DESCRIPTION	CKT. NO.
		AMPS	POLE(S)				AMPS	POLE(S)		
1	INDOOR UNITS - NW QUADRANT	20	2	1175	A	168	15	2	NW BRANCH SELECTOR UNIT	2
3	-----	--	--	1175	B	168	--	--	-----	4
5	INDOOR UNITS - NE QUADRANT	20	2	1258	C	156	15	2	NE BRANCH SELECTOR UNIT	6
7	-----	--	--	1258	A	156	--	--	-----	8
9	INDOOR UNITS - SE QUADRANT	15	2	905	B	168	15	2	SW BRANCH SELECTOR UNIT	10
11	-----	--	--	905	C	168	--	--	-----	12
13	INDOOR UNITS - SW QUADRANT	15	2	822	A				SPACE ONLY	14
15	-----	--	--	822	B				SPACE ONLY	16
17	SPACE ONLY				C				SPACE ONLY	18
19	CRAC UNIT - CRAC-1	60	3	4104	A				SPACE ONLY	20
21	-----	--	--	4104	B	75	15	2	TEMP INDOOR UNITS - DATA RACKS	22
23	-----	--	--	4104	C	75	--	--	-----	24
25	CRAC UNIT - CRAC-2 (NON-SIMULTANEOUS)	60	3	0	A	75	15	2	TEMP INDOOR UNITS - DATA RACKS	26
27	-----	--	--	0	B	75	--	--	-----	28
29	-----	--	--	0	C	75	15	2	TEMP INDOOR UNITS - DATA RACKS	30
31	SPARE	20	1		A	75	--	--	-----	32
33	SPARE	20	1		B				SPACE ONLY	34
35	SPARE	20	1		C	500	15	1	CU-3 CONTROL PANEL	36
37	SPARE	20	1		A	500	15	1	CU-2 CONTROL PANEL	38
39	SPARE	20	1		B	500	15	1	CU-1 CONTROL PANEL	40
41	SPARE	20	1		C	500	15	1	EMS PANEL	42

LOAD SUMMARY: Φ A 8333 VA BUSING: 100 AMPS
 Φ B 7992 VA MAIN: 100 AMPS
 Φ C 7741 VA AIC RATING: 35KAIC
 CONNECTED LOAD: 24.1 KVA MFGR: SQUARE D
 MAX CURRENT: 69 A

PANELBOARD AND FEEDER NOT A PART OF THIS BID

PANEL "3LA" SCHEDULE

120/208V 3Φ 4W INDOOR / SURFACE

CKT. NO.	DESCRIPTION	BREAKER		VA	Φ	VA	BREAKER		DESCRIPTION	CKT. NO.
		AMPS	POLE(S)				AMPS	POLE(S)		
1	FUT. GENERATOR BATTERY CHARGER	20	1	500	A	600	15	1	NORTH GATE OPERATOR	2
3	FUT. GENERATOR JACKET HEATER	20	2	2000	B	600	15	1	SOUTH GATE OPERATOR	4
5	-----	--	--	2000	C	600	15	1	EAST GATE OPERATOR	6
7	SPARE	20	1		A				SPACE ONLY	8
9	SPARE	20	1		B				SPACE ONLY	10
11	OUTLETS - IT OPERATOR ROOM	20	1	720	C				SPACE ONLY	12
13	OUTLETS - IT OPERATOR ROOM	20	1	720	A				SPACE ONLY	14
15	OUTLETS - IT DATA ROOM	20	1	720	B				SPACE ONLY	16
17	SPARE	20	1		C				SPACE ONLY	18
19	SPARE	20	1		A				SPACE ONLY	20
21	SPARE	20	1		B				SPACE ONLY	22
23	OUTLETS - MECHANICAL YARD	20	1	360	C				SPACE ONLY	24
25	OUTDOOR UNIT ODU-9	35	2	2415	A				SPACE ONLY	26
27	-----	--	--	2415	B				SPACE ONLY	28
29	INDOOR UNITS IDU-1, IDU-2	15	2	320	C				SPACE ONLY	30
31	-----	--	--	320	A				SPACE ONLY	32
33	SPACE ONLY				B				SPACE ONLY	34
35	SPACE ONLY				C				SPACE ONLY	36
37	SPACE ONLY				A				SPACE ONLY	38
39	SPACE ONLY				B				SPACE ONLY	40
41	SPACE ONLY				C				SPACE ONLY	42

LOAD SUMMARY: Φ A 4555 VA BUSING: 400 AMPS
 Φ B 5735 VA MAIN: LUGS ONLY
 Φ C 4000 VA AIC RATING: 35KAIC
 CONNECTED LOAD: 14.3 KVA MFGR: SQUARE D
 MAX CURRENT: 48 A

PANELBOARD AND FEEDER NOT A PART OF THIS BID

PANEL "2HM" SCHEDULE

277/480V 3Φ 4W INDOOR / SURFACE

CKT. NO.	DESCRIPTION	BREAKER		VA	Φ	VA	BREAKER		DESCRIPTION	CKT. NO.
		AMPS	POLE(S)				AMPS	POLE(S)		
1	EXHAUST FAN EF-1	15	3	1330	A	2326	15	3	CEILING FANS - GARAGE	2
3	-----	--	--	1330	B	2326	--	--	-----	4
5	-----	--	--	1330	C	2326	--	--	-----	6
7	SPACE ONLY				A	1163	15	3	CEILING FANS - SECURE STORAGE	8
9	SPACE ONLY				B	1163	--	--	-----	10
11	SPACE ONLY				C	1163	--	--	-----	12
13	SPACE ONLY				A				SPACE ONLY	14
15	SPACE ONLY				B				SPACE ONLY	16
17	SPACE ONLY				C				SPACE ONLY	18
19	OUTDOOR UNIT ODU-1	35	3	6100	A	6100	35	3	OUTDOOR UNIT ODU-5	20
21	-----	--	--	6100	B	6100	--	--	-----	22
23	-----	--	--	6100	C	6100	--	--	-----	24
25	OUTDOOR UNIT ODU-2	35	3	6100	A	6100	35	3	OUTDOOR UNIT ODU-6	26
27	-----	--	--	6100	B	6100	--	--	-----	28
29	-----	--	--	6100	C	6100	--	--	-----	30
31	OUTDOOR UNIT ODU-3	35	3	6100	A	6100	35	3	OUTDOOR UNIT ODU-7	32
33	-----	--	--	6100	B	6100	--	--	-----	34
35	-----	--	--	6100	C	6100	--	--	-----	36
37	OUTDOOR UNIT ODU-4	35	3	6100	A	6100	35	3	OUTDOOR UNIT ODU-8	38
39	-----	--	--	6100	B	6100	--	--	-----	40
41	-----	--	--	6100	C	6100	--	--	-----	42
43	AIR HANDLER AH-1	15	3	2105	A	2105	15	3	AIR HANDLER AH-3	44
45	-----	--	--	2105	B	2105	--	--	-----	46
47	-----	--	--	2105	C	2105	--	--	-----	48
49	AIR HANDLER AH-2	15	3	2105	A	2105	15	3	AIR HANDLER AH-4	50
51	-----	--	--	2105	B	2105	--	--	-----	52
53	-----	--	--	2105	C	2105	--	--	-----	54

LOAD SUMMARY: Φ A 62039 VA BUSING: 800 AMPS
 Φ B 62039 VA MAIN: 800 AMPS
 Φ C 62039 VA AIC RATING: 42KAIC
 CONNECTED LOAD: 186.1 KVA MFGR: SQUARE D
 MAX CURRENT: 224 A

PANELBOARD AND FEEDER NOT A PART OF THIS BID

PANEL "EV" SCHEDULE

120/208V 3Φ 4W OUTDOOR / SURFACE

CKT. NO.	DESCRIPTION	BREAKER		VA	Φ	VA	BREAKER		DESCRIPTION	CKT. NO.
		AMPS	POLE(S)				AMPS	POLE(S)		
1	EV CHARGER #1A	40	2	3328	A	3328	40	2	EV CHARGER #2A	2
3	-----	--	--	3328	B	3328	--	--	-----	4
5	EV CHARGER #1B	40	2	3328	C	3328	40	2	EV CHARGER #2B	6
7	-----	--	--	3328	A	3328	--	--	-----	8
9	EV CHARGER #3A	40	2	3328	B	3328	40	2	EV CHARGER #4A	10
11	-----	--	--	3328	C	3328	--	--	-----	12
13	EV CHARGER #3B	40	2	3328	A	3328	40	2	EV CHARGER #4B	14
15	-----	--	--	3328	B	3328	--	--	-----	16
17	EV CHARGER #5A	40	2	3328	C	3328	40	2	EV CHARGER #6A	18
19	-----	--	--	3328	A	3328	--	--	-----	20
21	EV CHARGER #5B	40	2	3328	B	3328	40	2	EV CHARGER #6B	22
23	-----	--	--	3328	C	3328	--	--	-----	24
25	EV CHARGER #7A	40	2	3328	A				SPACE ONLY	26
27	-----	--	--	3328	B				SPACE ONLY	28
29	EV CHARGER #7B	40	2	3328	C				SPACE ONLY	30
31	-----	--	--	3328	A				SPACE ONLY	32
33	SPACE ONLY				B				SPACE ONLY	34
35	SPACE ONLY				C				SPACE ONLY	36
37	SPACE ONLY				A				SPACE ONLY	38
39	SPACE ONLY				B				SPACE ONLY	40
41	SPACE ONLY				C				SPACE ONLY	42

LOAD SUMMARY: Φ A 33280 VA BUSING: 400 AMPS
 Φ B 29952 VA MAIN: 400 AMPS
 Φ C 29952 VA AIC RATING: 42KAIC
 CONNECTED LOAD: 93.2 KVA MFGR: SQUARE D
 MAX CURRENT: 277 A

Hardin-Davidson Engineering
 356 Polasky Ave., Suite 200
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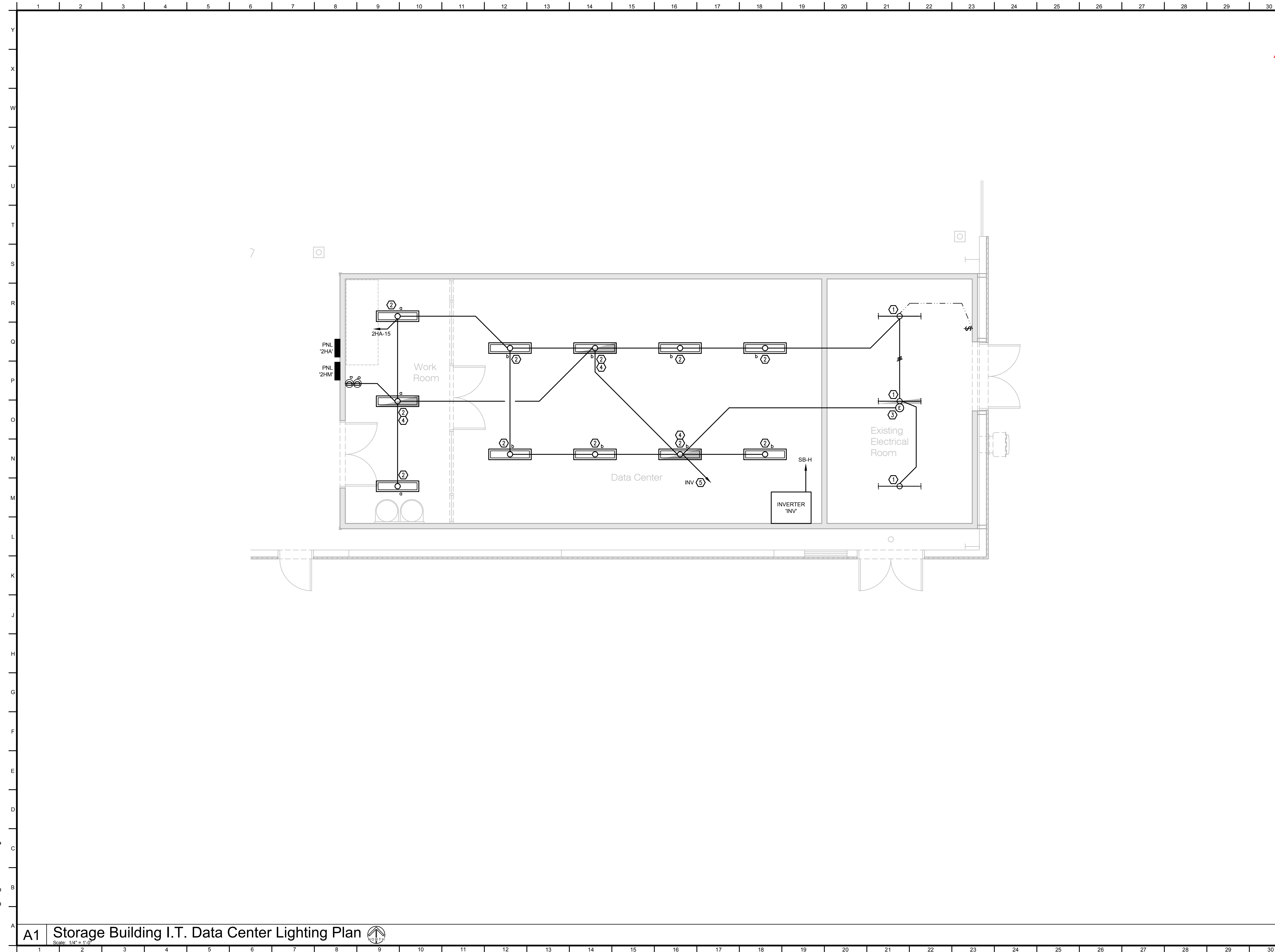
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Sheet Content:
 PANEL SCHEDULES
 ADDENDUM 2

Fresno County Department of Public Works and Planning
 Capital Projects
 2220 Tulare Street, 8th Floor
 Fresno, California 93721

Sheet No.
E1.2

> File: 19074 - 7_Elec_New Bid Ph 2.dwg > Plotted: 3/8/2022 3:40 PM



Key Notes

1. EXISTING LITHONIA #ZL1D-L48-SMR-5000LM-FST-MVOLT-40K-80CRI. WIRE AS SHOWN.
2. LITHONIA #WL4-40L-MVOLT-G210-LP840-NLTAIR2-RES7 LIGHT FIXTURE. SURFACE MOUNT TO GYP BOARD CEILING.
3. EMERGENCY FIXTURE: PROVIDE UL 924 RELAY AND MOUNT AT J-BOX. FIXTURE TO SWITCH OVER TO INVERTER CIRCUIT AND SWITCH ON UPON NORMAL POWER FAILURE.
4. EMERGENCY FIXTURE: PROVIDE INTEGRAL NLTAIR2 RIOEM TRANSFER DEVICE AT EMERGENCY LIGHT FIXTURE.
5. HOMERUN TO INVERTER "INV" NORMALLY-ON CIRCUIT BREAKER.

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 PROJECT NO: T80293 / 19003.03
 FILE NAME: 19074 - 7_Elec_New Bid Ph 2

Sheet Content:
 STORAGE BUILDING
 I.T. DATA CENTER
 LIGHTING PLAN
 [ADDENDUM 2]

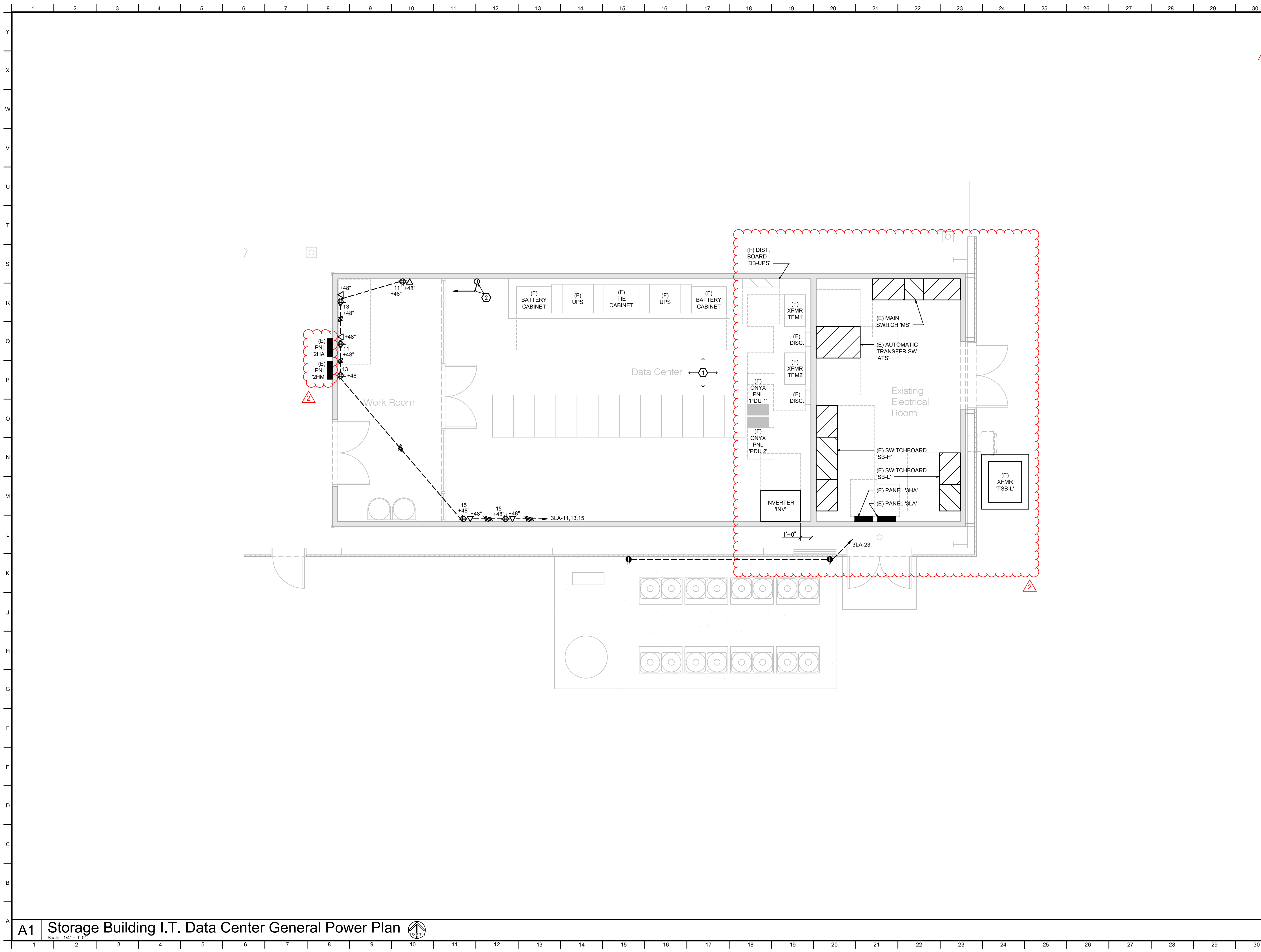
Fresno County Department of Public Works and Planning
 Capital Projects

2220 Tulare Street, 8th Floor
 Fresno, California 93721

Sheet No.
E3.0

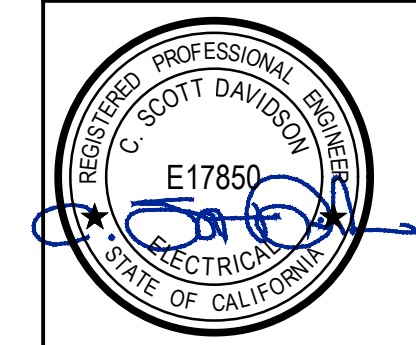
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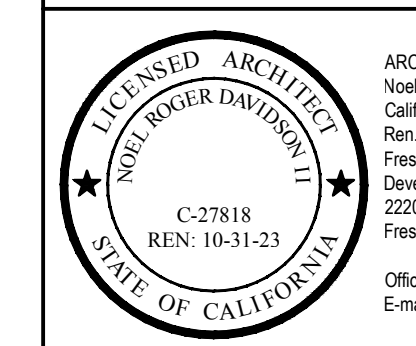


Key Notes

1. PROVIDE POWER AND IT EQUIPMENT ELECTRICAL INSTALLATION IN DATA CENTER AND WORKROOM PER INTERNAL SERVICES DIVISION DRAWINGS E00-E20.
2. MOUNT JUNCTION BOX AT +96" AFF. RUN (2) 1" C. TO PANEL 2HM.



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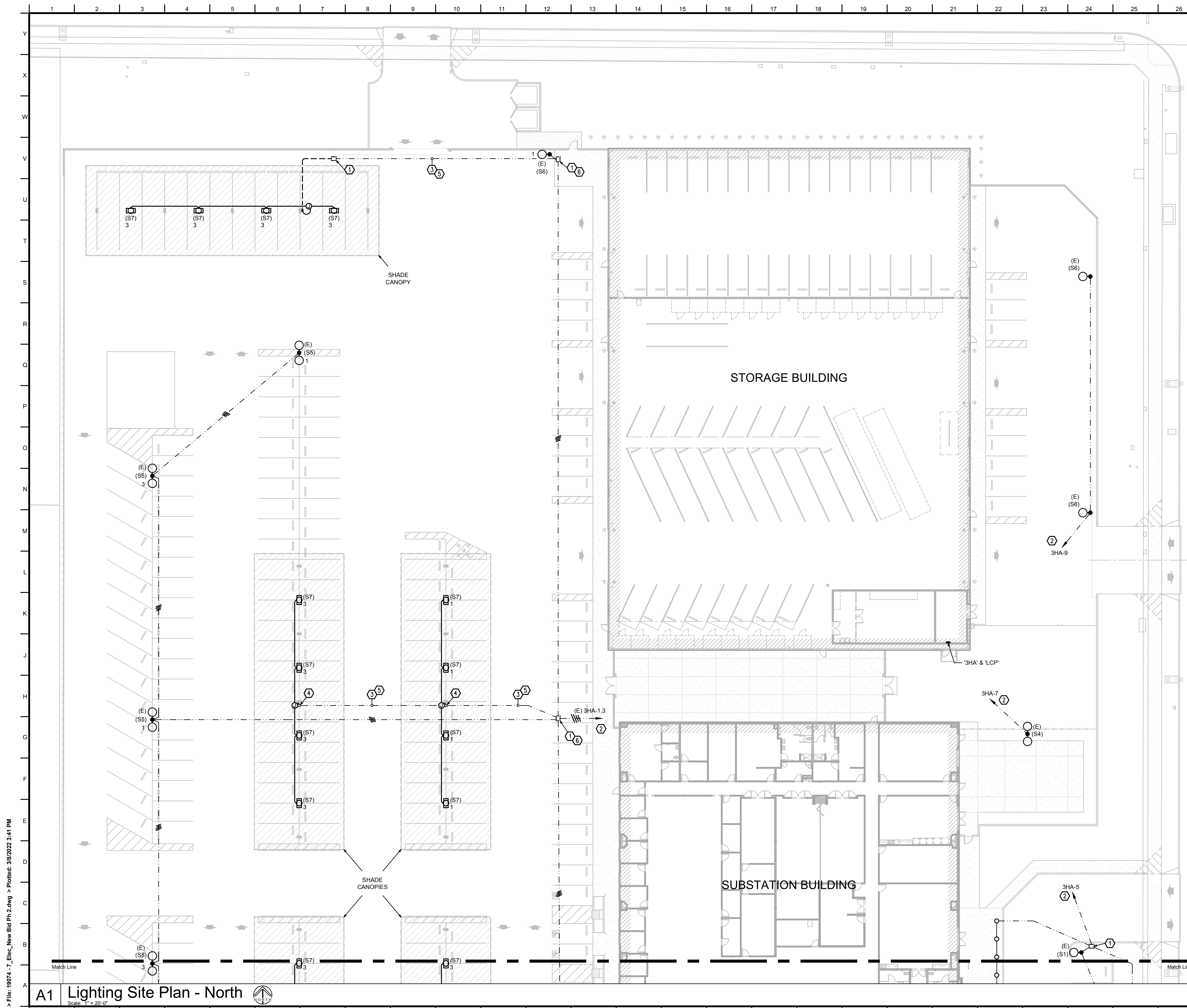
ARCHITECT:
 Noel Roger Davidson, A.I.A., Architect
 California Licensed Architect No. C-27818
 Ren. 10-31-22
 Fresno County Department of Public Works and Planning
 Development Services and Capital Projects Division
 2220 Tulare Street, Eighth Floor
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Project:
 Sheriff Area 2 Substation Storage Bldg Data Center & Elec Rm Revisions - Bid Package 2
 1129 N. Armstrong Ave., Fresno, CA 93727
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Sheet Content:
 STORAGE BUILDING
 I.T. DATA CENTER
 GENERAL POWER PLAN
 [ADDENDUM 2]



Sheet No.
E3.1



Key Notes

1. EXISTING LIGHTING PULLBOX: CHRISTY B1017 H20 PULLBOX WITH BOLT-DOWN STEEL LID.
2. EXISTING HOMERUN TO PANELBOARD VIA LIGHTING CONTROL PANEL LCP.
3. 1" C. FOR SHADE CANOPY LIGHTING.
4. BRING NEW CONDUITS AND CONDUCTORS INTO EXISTING LIGHTING PULLBOX AND MAKE WATERPROOF RATED SPLICES TO EXISTING CONDUCTORS INSIDE PULLBOX.
5. ADD 2#10, 1#10G, TO EXISTING CONDUIT.
6. MAKE WATERPROOF RATED SPLICES TO EXISTING CIRCUITS INSIDE PULLBOX. ALL SITE LIGHTING WIRING SHALL BE #10 WITH #10 GROUND.



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Sheet Content:
 LIGHTING SITE PLAN - NORTH

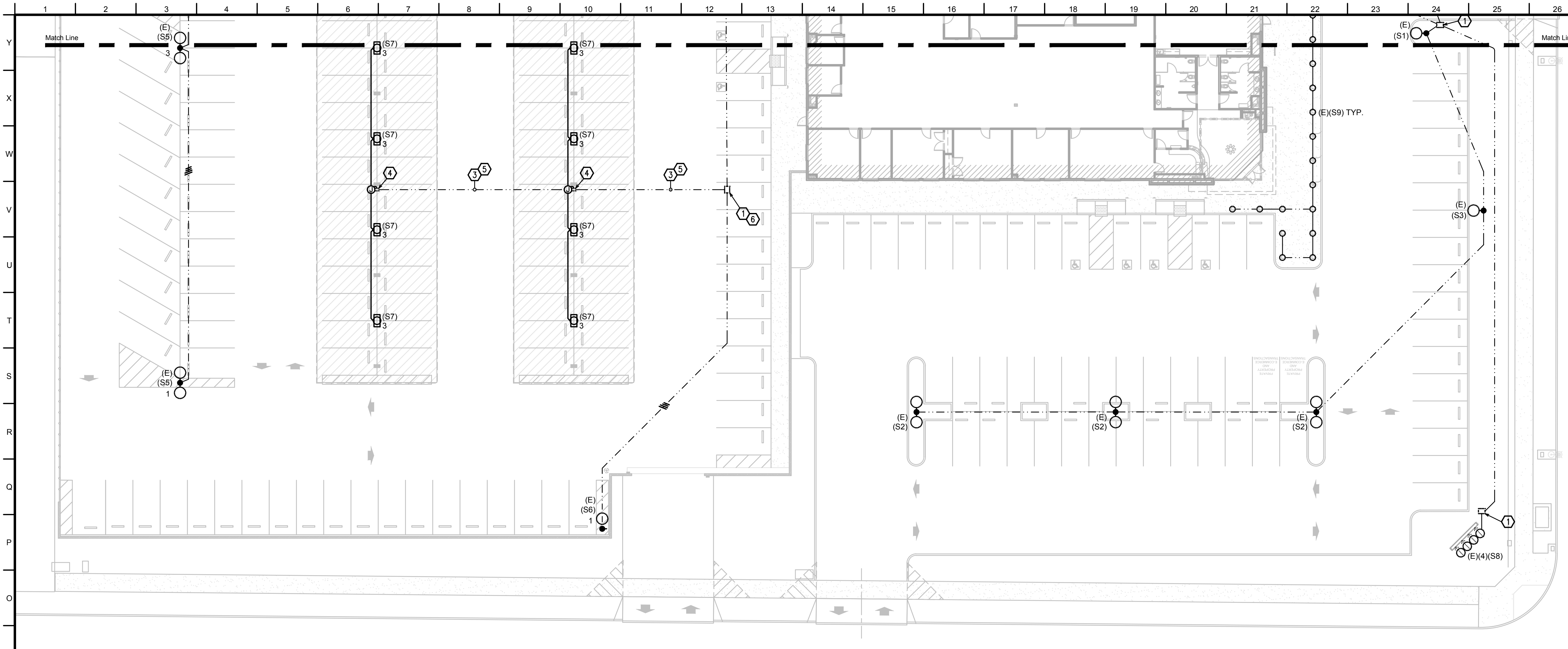
ADDENDUM 2



Sheet No.
E4.0

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A1 Lighting Site Plan - North
 Scale: 1" = 20'-0"



Key Notes

1. EXISTING LIGHTING PULLBOX: CHRISTY B1017 H/20 PULLBOX WITH BOLT-DOWN STEEL LID.
2. EXISTING HOMERUN TO PANELBOARD VIA LIGHTING CONTROL PANEL LCP.
3. 1" C.O. FOR FUTURE SHADE CANOPY LIGHTING.
4. BRING NEW CONDUITS AND CONDUCTORS INTO EXISTING LIGHTING PULLBOX AND MAKE WATERPROOF RATED SPLICES TO EXISTING CONDUCTORS INSIDE PULLBOX.
5. ADD 2#10, 1#10G, TO EXISTING CONDUIT.
6. MAKE WATERPROOF RATED SPLICES TO EXISTING CIRCUITS INSIDE PULLBOX. ALL SITE LIGHTING WIRING SHALL BE #10 WITH #10 GROUND.

N1 Lighting Site Plan - South
Scale: 1" = 20'-0"

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Sheet Content:
LIGHTING SITE PLAN - SOUTH

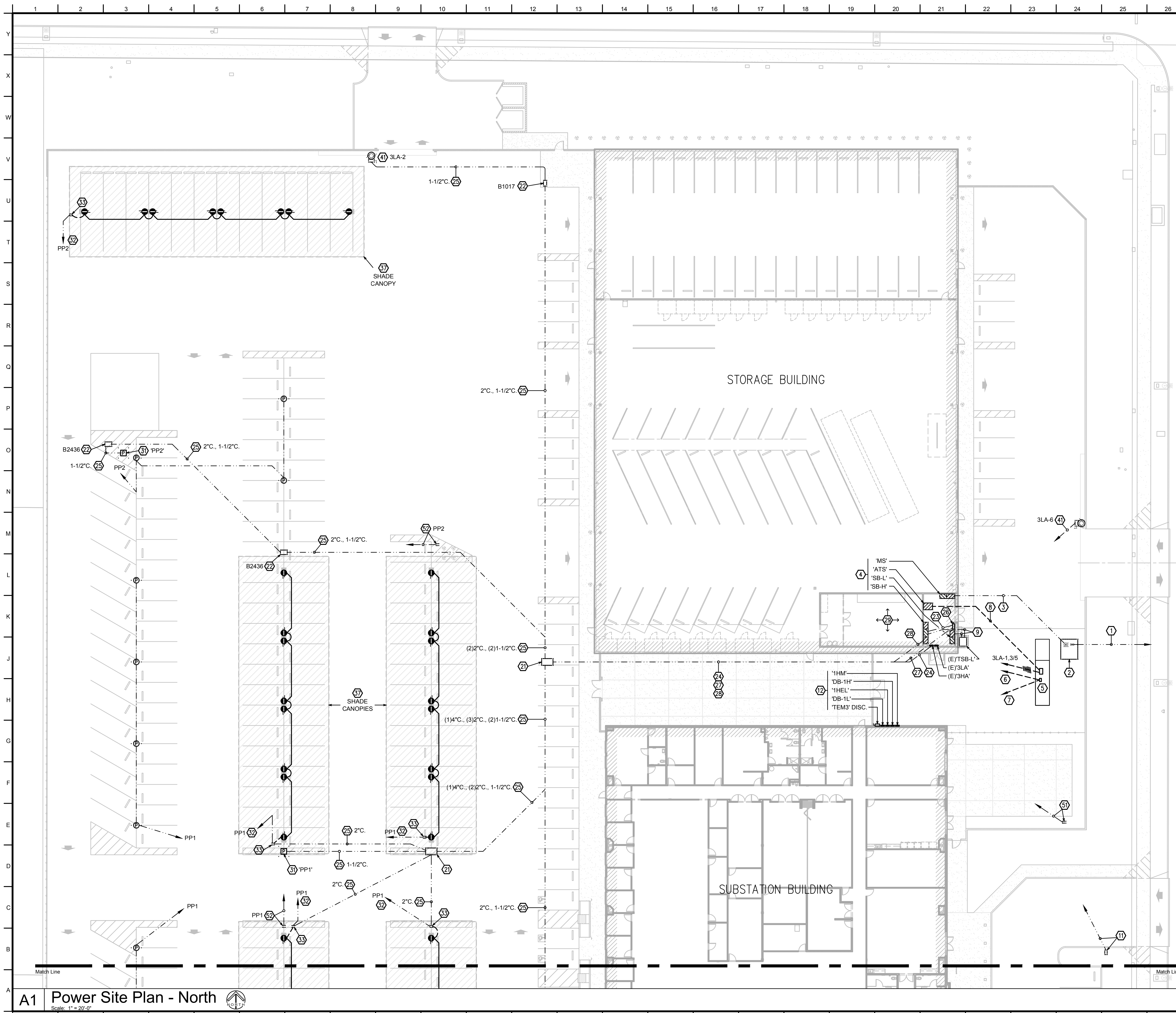
ADDENDUM 2

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Capital Projects
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Fresno, California 93721

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Key Notes

1. EXISTING 4"C. PG&E PRIMARY.
2. EXISTING PG&E CONCRETE PAD AND TRANSFORMER.
3. EXISTING (7) 5"C. PG&E SECONDARY.
4. EXISTING PAD MOUNTED, FREESTANDING ELECTRICAL EQUIPMENT.
5. STANDBY EMERGENCY DIESEL GENSET, OWNER FURNISHED, CONTRACTOR INSTALLED. VERIFY STUB-UP LOCATIONS WITH GENSET SHOP DRAWINGS PRIOR TO POURING CONCRETE PAD. MAKE ALL CONNECTIONS PER GENERATOR MANUFACTURER.
6. 1-1/4"C. TO ATS LOCATION.
7. 1-1/4"C. TO GENERATOR MONITOR PANEL LOCATION.
8. GENERATOR FEEDERS TO AUTOMATIC TRANSFER SWITCH PER POWER SINGLE LINE DIAGRAM.
9. EXISTING TRANSFORMER PRIMARY AND SECONDARY CONDUITS.
11. EXISTING B1324 H/2O PULLBOX WITH BOLT-DOWN STEEL LID AND (3) 2"C. TO PANEL 3LA WITH PULL LINES FOR FUTURE EV CHARGER STATIONS.
12. EXISTING SUBSTATION DISTRIBUTION PANELS.
21. EXISTING 3x5 PULLBOX WITH SPRING-ASSIST BOLT DOWN STEEL LIDS.
22. EXISTING H2O RATED PULLBOX WITH BOLT-DOWN STEEL LID, SIZE INDICATED.
23. EXISTING 4"C. FROM SWITCHBOARD SB-H FOR FUTURE SOLAR.
24. EXISTING (4) 2"C. & (4) 1-1/2"C. FROM PANEL 3HA FOR FUTURE SITE POWER.
25. EXISTING SITE CONDUITS, QTY. AND SIZE INDICATED.
26. EXISTING "SOLAR DISCONNECT" 400A FUSED DISCONNECT PER PG&E RULES.
27. EXISTING 4"C. FROM PV DISCONNECT FOR FUTURE SOLAR SYSTEM.
28. EXISTING (2) 2"C. SPARE FROM SB-H.
29. SEE SHEETS E3.0 THRU E3.2, AND FRESNO COUNTY I.T. ELECTRICAL DRAWINGS.
31. FUTURE POWER PEDESTAL. PROVIDE 1-1/2"C. TO PANEL 3HA.
32. EXISTING 1"C. TO POWER PEDESTAL. PROVIDE #8, #8SG. FROM PEDESTAL TO OUTLETS. ALTERNATE (2) 20A CIRCUITS.
33. EXISTING B1013 H/2O VAULT.
34. 150kVA TRANSFORMER "TEV" WITH PRIMARY DISCONNECT FOR EV CHARGER STATIONS. PROVIDE FEEDER PER POWER SINGLE LINE DIAGRAM, SHEET E1.1.
35. 600A PANELBOARD 'EV'. MOUNT TO CMU WALL.
36. OFCI ELECTRIC VEHICLE CHARGER. REMOVE EXISTING PULLBOX. PROVIDE CONCRETE BASE, AND INSTALL CHARGER. HOMERUN THRU EXISTING 1"C. TO PANEL EV WITH #8, #10G. CONNECT (2) CHARGER CIRCUITS AT EACH DUAL CHARGER.
37. INSTALL OUTLETS AT SHADE CANOPIES COLUMNS.
41. EXISTING GATE OPERATOR AND 1-1/2"C. TO PANEL 3LA.
51. EXISTING CHRISTY N9 PULLBOX WITH (2) 1-1/2"C. TO PANEL 3LA FOR FUTURE SHERIFF'S MEMORIAL.
52. EXISTING B1013 H/2O RATED VAULT AND 1"C. TO INDICATD POWER PEDESTAL FOR FUTURE CAMERA ELECTRONICS ENCLOSURE.

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Sheet Content:
 POWER SITE PLAN - NORTH

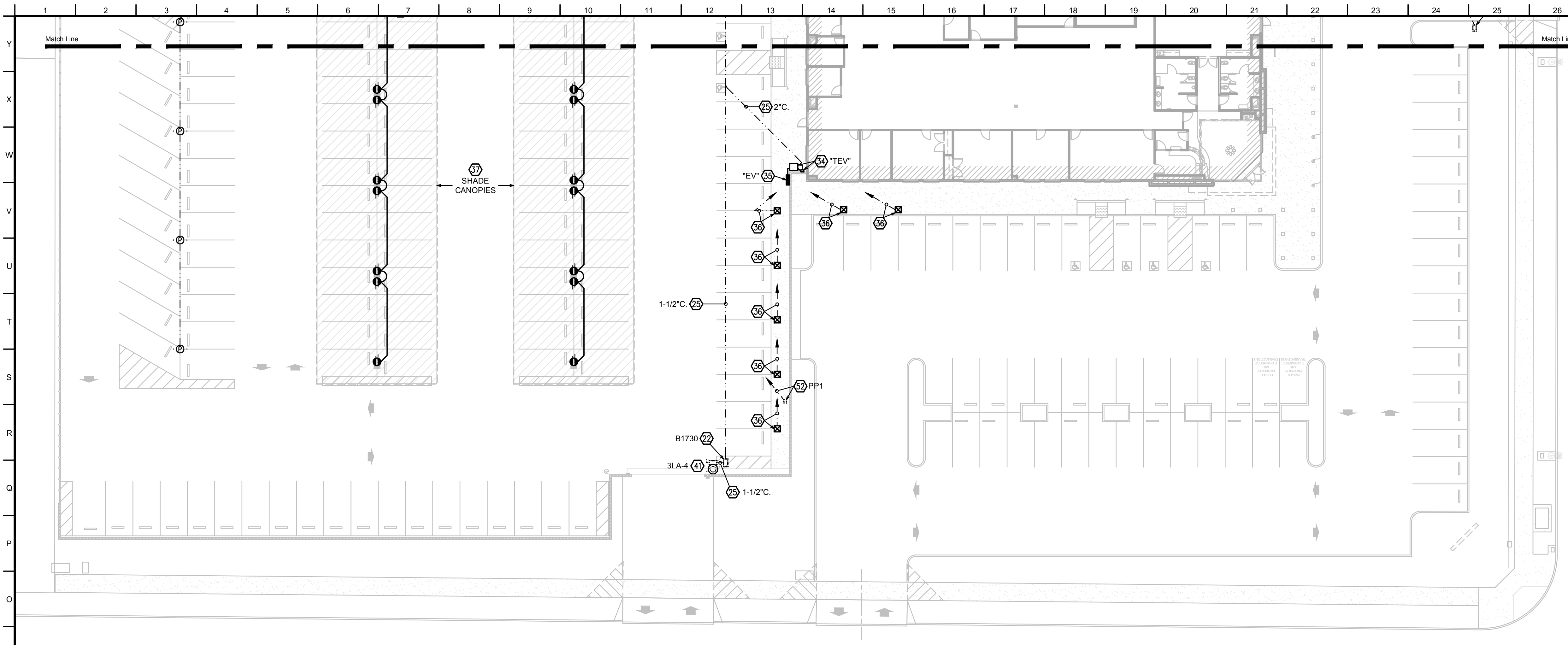
ADDENDUM 2

Fresno County Department of Public Works and Planning
 Capital Projects

2220 Tulare Street, 8th Floor
 Fresno, California 93721

Sheet No.
E5.0

A1 Power Site Plan - North
 Scale: 1" = 20'-0"



N1 Power Site Plan - South
 Scale: 1" = 20'-0"

Key Notes

1. EXISTING 4"C. PG&E PRIMARY.
2. EXISTING PG&E CONCRETE PAD AND TRANSFORMER.
3. EXISTING (7) 5"C. PG&E SECONDARY.
4. EXISTING PAD MOUNTED, FREESTANDING ELECTRICAL EQUIPMENT.
5. STANDBY EMERGENCY DIESEL GENSET, OWNER FURNISHED, CONTRACTOR INSTALLED. VERIFY STUB-UP LOCATIONS WITH GENSET SHOP DRAWINGS PRIOR TO POURING CONCRETE PAD. MAKE ALL CONNECTIONS PER GENERATOR MANUFACTURER.
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12. EXISTING SUBSTATION DISTRIBUTION PANELS.
21. EXISTING 3x5 PULLBOX WITH SPRING-ASSIST BOLT DOWN STEEL LIDS.
22. EXISTING H20 RATED PULLBOX WITH BOLT-DOWN STEEL LID, SIZE INDICATED.
23. EXISTING 4"C. FROM SWITCHBOARD SB-H FOR FUTURE SOLAR.
24. EXISTING (4) 2"C. & (4) 1-1/2"C. FROM PANEL 3HA FOR FUTURE SITE POWER.
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29. SEE SHEETS E3.0 THRU E3.2, AND FRESNO COUNTY I.T. ELECTRICAL DRAWINGS.
31. FUTURE POWER PEDESTAL. PROVIDE 1-1/2"C. TO PANEL 3HA.
32. EXISTING 1"C. TO POWER PEDESTAL. PROVIDE #8, 1#8G. FROM PEDESTAL TO OUTLETS. ALTERNATE (2) 20A CIRCUITS.
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35. 600A PANELBOARD 'EV'. MOUNT TO CMU WALL.
36. OFCI ELECTRIC VEHICLE CHARGER. REMOVE EXISTING PULLBOX. PROVIDE CONCRETE BASE, AND INSTALL CHARGER. HOMERUN THRU EXISTING 1"C. TO PANEL EV WITH #8, 1#10G. CONNECT (2) CHARGER CIRCUITS AT EACH DUAL CHARGER.
37. INSTALL OUTLETS AT SHADE CANOPY COLUMNS.
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REGISTERED PROFESSIONAL ENGINEER
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