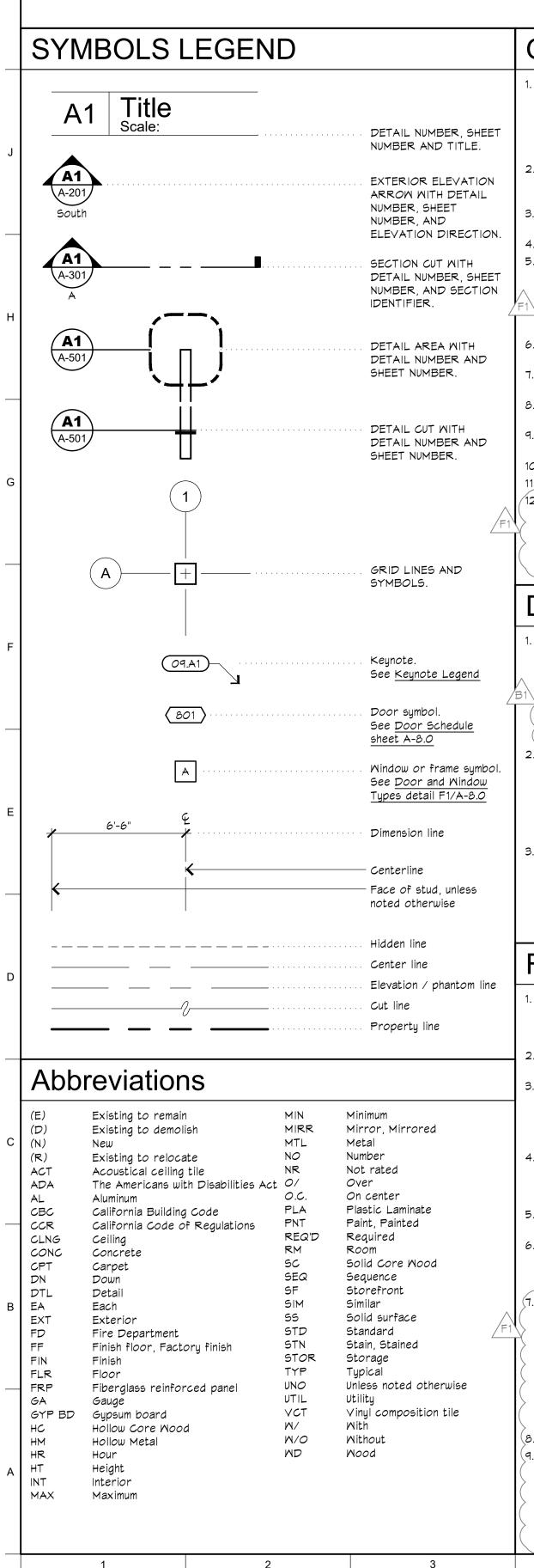
FRESNO COUNTY ENVIRONMENTAL COMPLIANCE CENTER EDUCATIONAL BUILDING

A SIX STALL PARKING LOT - CONNECTED TO EXISTING DRIVEWAY.

SCOPE OF WORK



GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE TO STRICTLY COMPLY WITH DIMENSIONS ON THE DRAWINGS RELATING TO ACCESSIBILITY ELEMENTS. DIMENSIONS THAT DO NOT SPECIFY "MINIMUM" (MIN) OR "MAXIMUM" (MAX) TOLERANCES SHALL BE CONSIDERED AS "ABSOLUTE". MINIMUM AND MAXIMUM DIMENSIONS SHALL BE CONSIDERED THE ABSOLUTE TOLERANCE LIMITS. ACCESSIBILITY ELEMENTS INSTALLED THAT DO NOT COMPLY WITH DIMENSIONAL CONSTRAINTS SHALL BE REMOVED AND REINSTALLED WITH NO ADDITIONAL COST TO THE COUNTY OF FRESNO.
- CHANGES FROM THE APPROVED PLANS DURING THE COURSE OF CONSTRUCTION SHALL CAUSE CONSTRUCTION SPECIFIC TO THE AREA OF CHANGE TO BE SUSPENDED UNTIL SUCH TIME AS THE PLANS CAN BE AMENDED BY THE ARCHITECT AND SUBMITTED TO THE COUNTY FOR REVIEW AND APPROVAL [CBC 107].
- THE CONTRACTOR SHALL PROVIDE (1) ONE NFPA CLASS 2A-10BC FIRE EXTINGUISHER AT THE JOB SITE DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE WORK SITE IN A SECURED CONDITION
- IT ÍS THE ŘESPONSIBILITY ÓF THE OMNER, CONTRACTÓR, AND SUB-CONTRACTÓR TO COMPLY WITH THE PROVISIONS OF CALIFORNIA FIRE CODE CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION AND NFPA 241, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS. COMPLIANCE WITH THE PROVISIONS OF CFC CHAPTER 33 AND NFPA 241 AREA THE MINIMUM REQUIREMENTS FOR ANY CONSTRUCTION, ALTERATION OR DEMOLITION OPERATIONS, OCCURRING WITHIN THE CITY OF FRESNO OR FRESNO FIRE DEPARTMENT CONTRACT SERVICE AREAS.
- THE APPROVAL OF THESE PLANS AND SPECIFICATIONS DOES NOT PERMIT THE VIOLATION OF ANY SECTION OF THE BUILDING CODE, MUNICIPAL ORDINANCES, OR STATE LAWS. THESE APPROVED PLANS AND RELATED DOCUMENTS MUST BE AVAILABLE AT THE JOB SITE DURING ANY
- INSPECTION ACTIVITY. SOILS AND SPECIAL CONCRETE TESTING SHALL BE CONDUCTED BY THE FRESNO COUNTY MATERIALS AND
- TESTING LABORATORY. STEEL FABRICATION SPECIAL INSPECTION SHALL BE CONDUCTED BY KRAZAN AND ASSOCIATES, 215 WEST
- DAKOTA AVENUE CLOVIS, CA 93612 (559-348 2200) CONTRACTOR SHALL PROVIDE A CHEMICAL TOILET ON SITE DURING CONSTRUCTION.
- CONSTRUCTION WASTE MANAGEMENT PLAN MUST BE FINALIZED PRIOR TO OCCUPANCY. THE ÓWNĚR ŠHĂLL DĚSIĞNAŤE Ă PĚRSƠN ŤO BE THĚ SÍTĚ SAĚETÝ DÍREČTOŘ PĚR FŘESŇO COUNŤY POLICY. THE SITE SAFETY DIRECTOR SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH THE SITE SAFETY PLAN. THE SITE SAFETY DIRECTOR SHALL HAVE THE AUTHORITY TO ENFORCE PROVISIONS OF THIS CHAPTER AND OTHER PROVISIONS AS NECESSARY TO SECURE THE INTENT OF THIS CHAPTER. WHERE GUARD SERVICE IS PROVIDED IN ACCORDANCE WITH NFPA 241, THE SITE SAFETY DIRECTOR SHALL BE RESPONSIBLE FOR THE GUARD SERVICE. 2022 CFC, SECTION 3303.2.

DEFERRED APPROVAL

- PREFABRICATED METAL BUILDING: CONTRACTOR TO SUBMIT PLANS TO AND OBTAIN PERMIT FROM FRESNO COUNTY. PLANS TO INCLUDE ENGINEERING CALCULATIONS, ERECTION DRAWINGS AND ANCHOR BOLT PLACEMENT DIMENSIONS AND OTHER ITEMS REQUIRED FOR PERMIT. CONTRACTOR SHALL SUBMIT THE PLANS TO ARCHITECT FOR APPROVAL PRIOR TO SUBMITTING TO FRESNO COUNTY. REFER TO SPECIFICATIONS.
- PERMIT APPLICATION FOR THE EDUCATIONAL BUILDING #24-001115 CANNOT BE ISSUED UNTIL THE PREFABRICATED METAL BUILDING PLANS AND STRUCTURAL CALCULATIONS ARE APPROVED BY THE COUNTY OF FRESNO DEPARTMENT OF PUBLIC WORKS AND PLANNING.
- FIRE SPRINKLERS: CONTRACTOR TO SUBMIT PLANS TO AND OBTAIN PERMIT FROM FRESNO COUNTY PRIOR TO INSTALLATION OF THE FIRE SPRINKLERS. LAYOUT AND DETAIL OF THE FIRE SPRINKLER SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT AND "FRESNO FIRE DEPARTMENT (FFD) PRIOR TO SUBMITTING THE PLANS TO FRESNO COUNTY. THE FIRE SPRINKLER SYSTEM SHALL BE INSTALLED BY A LICENSED FIRE SPRINKLER CONTRACTOR AND SHALL BE INSPECTED AND APPROVED BY THE APPROPRIATE FIRE MARSHALL PRIOR TO APPROVAL OF OCCUPANCY OF THE BUILDING. REFER TO
- SPECIFICATIONS. FIRE ALARMS: CONTRACTOR SHALL SUBMIT PLANS TO AND OBTAIN PERMIT FROM FRESNO COUNTY AND FRESNO FIRE DEPARTMENT FOR THE INSTALLATION OF FIRE ALARM SYSTEM. SEE SPECIFICATIONS. GENERAL CONTRACTOR SHALL COORDINATE FIRE ALARM SYSTEM INTERFACES BETWEEN FIRE ALARM CONTRACTOR, SPRINKLER, CONTRACTOR, MECHANICAL CONTRACTOR AND ANY OTHER PERTINENT TRACES (FIRE ALARM, SPRINKLER SYSTEM, HOOD AND VENT EXTINGUISHING SYSTEM, HVAC, FIRE SMOKE DAMPERS, ETC.) ALL WORK MUST REMAIN VISIBLE AND MAY NOT BE COVERED UNTIL REQUIRED FIRE INSPECTIONS HAVE BEEN COMPLETED BY THE FIRE DEPARTMENT.

FRESNO FIRE DEPARTMENT NOTES

- SUBMIT PLANS TO AND OBTAIN PERMIT FROM THE FIRE PREVENTION DIVISION FOR THE INSTALLATION OR MODIFICATION OF FIRE SPRINKLER SYSTEM. INSTALLATIONS MUST ALSO COMPLY WITH FFD POLICY SECTION 405. FFD POLICIES CAN BE FOUND ON THE FIRE DEPARTMENT WEBPAGE UNDER FIRE PREVENTION AND INVESTIGATION, FIRE DEPARTMENT POLICIES.
- SUBMIT PLANS TO AND OBTAIN PERMIT FROM THE FIRE PREVENTION DIVISION FOR THE INSTALLATION OR MODIFICATION OF FIRE ALARM SYSTEM. REFER TO FFD POLICY 401.012.
- THE GENERAL CONTRACTOR SHALL COORDINATE THE FIRE ALARM SYSTEM INTERFACES BETWEEN THE FIRE ALARM CONTRACTOR, SPRINKLER CONTRACTOR, MECHANICAL CONTRACTOR AND ANY OTHER PERTINENT TRADES (FIRE ALARM, SPRINKLER SYSTEM, HOOD AND VENT EXTINGUISHING SYSTEM, HVAC, FIRE SMOKE DAMPERS, ETC.). ALL WORK MUST REMAIN VISIBLE AND MAY NOT BE COVERED UNTIL THE REQUIRED FIRE INSPECTIONS HAVE BEEN COMPLETED BY THE FIRE DEPARTMENT.
- EMERGENCY ALARM SYSTEM INTERCONNECTION REQUIREMENTS: WHERE AN EMERGENCY ALARM SYSTEM IS REQUIRED BY THIS SECTION AND A BUILDING FIRE ALARM IS INSTALLED, THE EMERGENCY ALARM SYSTEM SHALL BE INTERCONNECTED WITH AND SUPERVISED BY THE BUILDING FIRE ALARM SYSTEM. FMC 10-50908.4 AND NFPA SECTIONS 10.7 AND 10.10. IF APPLICABLE.
- ALL WEATHER ACCESS ROADS SHALL BE INSTALLED AND MAINTAINED IN A SERVICEABLE CONDITION PRIOR TO AND DURING CONSTRUCTION. (FFD DEVELOPMENT POLICY 403.002)
- ADDRESS IDENTIFICATION. FOR NEW AND EXISTING BUILDINGS, THE FIRE CODE OFFICIAL IS AUTHORIZED TO REQUIRE APPROVED ADDRESS OR BUILDING IDENTIFICATION SIGNAGE AS NEEDED TO READILY DETERMINE THE BUILDING OR AREA OF A BUILDING PROTECTED BY FIRE DEPARTMENT CONNECTIONS. FMC SECTION 10-50912.2.3.
- ÎN BUILDINGS ŴITH ŎCČUPAŇCÝ GŘOUP 'A' HAVING AN ŎCČUPĂNCY LOAD OF 300 OR LESS, GROUPS 'B', 'F' 'M', AND 'S', AND IN PLACES OF RELIGIOUS WORSHIP, THE MAIN DOOR OR DOORS ARE PERMITTED TO BE EQUIPPED WITH KEY-OPERATED LOCKING DEVICES FROM THE EGRESS SIDE PROVIDED: A) THE LOCKING DEVICE IS READILY DISTINGUISHABLE AS LOCKED;
- A READILY VISIBLE DURABLE SIGN POSTED ON THE EGRESS SIDE ON OR ADJACENT TO THE DOOR B) STATING: 'THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED'. THE SIGN SHALL BE IN LETTERS 1 INCH HIGH ON A CONTRASTING BACKGROUND;
- C) THE USE OF THE KEY-OPERATED LOCKING DEVICE IS REVOCABLE BY THE FIRE CODE OFFICIAL FOR DUE CAUSE. 2022 CFC, SECTION 1010.2.4.
- NO HAZARDOUS MATERIALS TO BE STORED OR USED IN THE BUILDING. PROVIDE AN EXTERIOR KNOX BOX ON THE GROUND FLOOR ADJACENT THE MAIN ENTRANCE AT A MAXIMUM HEIGHT OF 6 FEET FROM GRADE. KNOX BOXES SHALL BE PROVIDED FOR BUILDINGS WHERE ANY OF THE FOLLOWING CONDITIONS EXIST: HIGH-RISE BUILDING, INTERIOR ELEVATOR(S), FIRE SPRINKLER SYSTEM WITH INTERIOR RISER(S), FIRE PUMP ROOMS, FIRE ALARM SYSTEM, UNDULY DIFFICULT ACCESS, AND / OR WHERE REQUIRED BY THE FIRE MARSHAL (OR DESIGNEE). KEYS PLACED IN THE KNOX BOX SHALL BE IDENTIFIED WITH A TAG OR LABEL. KNOX BOXES MAY BE ORDERED ON LINE AT https://www.knoxbox.com/store/departmentSearch.cfm.

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1327 W. DAN RONQUILLO DRIVE, FRESNO, CA 93706

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5 2	THE SCOPE SHALL ALSO INCLUDE A 4.9 KW(DC) ROOFTOP PHOTOVOLTAIC (PV) SYSTEM.	
E		
N		SITE
E	1. A GAS AND / OR ELECTRICAL UTILITY CLEARANCE WILL BE ISSUED BY THE BUILDING OFFICIAL PRIOR TO FINAL APPROVAL OF THE STRUCTURE AS REQUIRED BY SECTION 15.08.020.F.3 OF THIS ORDINANCE. AS A CONDITION OF THE RELEASE, THE BUILDING OFFICIAL SHALL REQUIRE THE OWNER / PERMITTEE TO ENTER INTO AN AGREEMENT NOT TO OCCUPY THE STRUCTURE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF	S
Ę	OCCUPANCY FOR THE STRUCTURE.	
2)		G-1. G-1
E	CONTRACT DOCUMENTS	
S)) N	OWNER: COUNTY OF FRESNO MECHANICAL ENGINEER OF RECORD: MICHAEL D. CANTELMI	G-1.
	2220 TULARE STREET, 8TH FLOOR CALIFORNIA LICENSE# M23588 (Exp. 9-30-25) FRESNO, CALIFORNIA 93721 LAWRENCE ENGINEERING GROUP	A-1.
Ť	(559) 600-4477 4910 E. CLINTON WAY, SUITE 101 FRESNO, CA 93727	A-2. A-2
2	ARCHITECT OF RECORD: HOQUE KHAN, ARCHITECT OF RECORD: COFFICE: (559) 431-0101 EMAIL: MIKE@LEGFRESNO.COM	A-2
Т	CALIFORNIA LICENSED ARCHITECT LIC# C40030 (REN. 11-30-25)	A-2
	FRESNO COUNTY ELECTRICAL ENGINEER OF RECORD:	A-3
	DEPARTMENT OF PUBLIC WORKS AND PLANNING DEVELOPMENT SERVICES AND DEVELOPMENT SERVICES AND JOHN BORRELLI CALIFORNIA LICENSE# E16390 (Exp. 6-30-25)	A-4
	CAPITAL PROJECTS DIVISION BORRELLI AND ASSOCIATES, INC.	A-5.
E) S(2220 TULARE STREET, 8TH FLOOR 2032 N. GATEWAY BLVD. FRESNO, CALIFORNIA 93721 FRESNO CA 93727	A-6.
E E	OFFICE: (559) 600-4410 OFFICE: (559) 233-4138	A-6
=	EMAIL: ZKHAN@FRESNOCOUNTYCA.GOV EMAIL: JOHNB@BORRELLIENGINEERING.COM	A-7.
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4553 E. HAMILTON AVE., BUILDING 413,

FRESNO COUNTY MATERIALS TESTING LABORATORY

SPECIAL INSPECTORS:

MANDEEP SEKHON, PE

OFFICE: (559) 600-7895

FRESNO, CA 93702

THE WORK CONSISTS OF CONSTRUCTION OF A NEW 3,015 SQUARE FEET TRAINING/CLASSROOM BUILDING AND

IL AND STRUCTURAL ENGINEER OF RECORD: JOSEPH C. HARRELL CALIFORNIA LICENSE# C80424 (Exp. 3-31-25) FRESNO COUNTY

DEPARTMENT OF PUBLIC WORKS AND PLANNING DESIGN DIVISION 2220 TULARE STREET, 7TH FLOOR FRESNO, CALIFORNIA 93721 OFFICE: : (559) 600-4109

EMAIL: JHARRELL@FRESNOCOUNTYCA.GOV

CODE CITATIONS

THE LATEST ADOPTED ADDITIONS OF THE CODES, STANDARDS AND REGULATIONS REQUIRED BY THE LOCAL JURISDICTION SHALL GOVERN ALL WORK IN THESE CONSTRUCTION DOCUMENTS INDICATED BY THE FOLLOWING APPLICABLE STATE CODES: TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS TITLE 24 CCR, PART 1 - 2022 BUILDING STANDARDS ADMINISTRATIVE CODE TITLE 24 CCR, PART 2 - 2022 CALIFORNIA BUILDING CODE (CBC) TITLE 24 CCR, PART 3 - 2022 CALIFORNIA ELECTRICAL CODE (CEC)

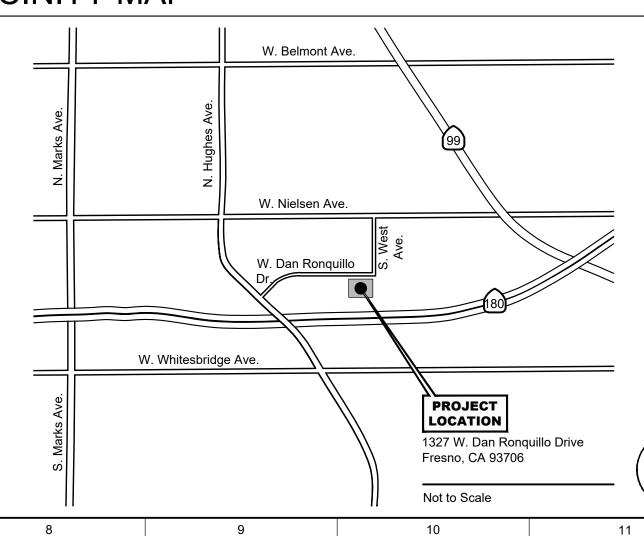
TITLE 24 CCR, PART 4 - 2022 CALIFORNIA MECHANICAL CODE (CMC) TITLE 24 CCR, PART 5 - 2022 CALIFORNIA PLUMBING CODE (CPC) TITLE 24 CCR, PART 6 - 2022 CALIFORNIA ENERGY CODE TITLE 24 CCR, PART 9 - 2022 CALIFORNIA FIRE CODE (CFC) TITLE 24 CCR, PART 11 - 2022 CALIFORNIA GREEN BUILDING STANDARDS TITLE 24 CCR, PART 12- 2022 CALIFORNIA REFERENCED STANDARDS

PPLICABLE CODE OF ORDINANCE: COUNTY OF FRESNO ORDINANCE TITLE 15

APPLICABLE REFERENCE STANDARDS: 2022 NFPA 13, AUTOMATIC SPRINKLER SYSTEMS (CA AMENDED)

2022 NFPA 72, NATIONAL FIRE ALARM CODE (CA AMENDED); SEE UL STD. 1971 FOR "VISUAL DEVICES"

VICINITY MAP



PROJECT DAT

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PROJECT NAME: FRESNO COUNTY ENVIRONMENTAL EDUCATIONAL BUILDING <u> DDRESS</u>: 1327 W. Dan Ronquillo Dr

PN: 458-060-72 TE AREA (FOR EDUCATIONAL BUIL

SHE	EET INDEX
	Architectural
-1.0	COVER SHEET
5-1.1	CODE ANALYSIS
5-1.2	CALIFORNIA GREEN BUILD
x-0.1	PLANTING SITE PLANS
x-1.0	SITE PLAN
-2.0	DIMENSION FLOOR PLAN
-2.1	NOTED FLOOR PLAN
-2.2	RESTROOM ENLARGED FL INTERIOR ELEVATIONS
-2.3	CONCRETE SLAB / WALK (PLAN
-3.0	REFLECTED CEILING PLAN
-4.0	ROOF PLAN
-5.0	EXTERIOR ELEVATIONS
-6.0	INTERIOR ELEVATIONS
x-6.1	INTERIOR ELEVATIONS
-7.0	BUILDING SECTIONS
-8.0	OPENING SCHEDULES
x-8.1	FINISH SCHEDULES
-8.2	SITE DETAILS
-8.3	ACCESSIBLE DETAILS
-8.4	SIGNAGE DETAILS
-8.5	INTERIOR DETAILS
-8.6	INTERIOR DETAILS
-8.7	OPENING DETAILS
0 0	EXTERIOR DETAILS

A-8.8 EXTERIOR DETAILS A-8.9 ROOF DETAILS A-8.10 EXTERIOR DETAILS

Civil

C1.0 COVER SHEET 62.0 GENERAL NOTES C2.1 GENERAL NOTES C3.0 GRADING PLAN UTILITY PLAN C4.0 C5.0 DETAILS

Structural

L1.0 IRRIGATION PLAN

L2.0 PLANTING PLAN

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E2.1 ELECTRICAL SITE PLAN

51.00	TYPICAL STRUCTURE NOTE
51.01	TYPICAL STRUCTURE NOTE
51.02	TYPICAL FRAMING DETAILS
51.03	TYPICAL FRAMING DETAILS
51.04	TYPICAL STRUCTURAL DET
51.05	TYPICAL STRUCTURAL DET
52.0	FOUNDATION PLAN
53.0	FOUNDATION DETAILS
54.0	ROOF FRAMING PLAN
S4.1	CEILING FRAMING PLAN
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57.0	MONUMENT SIGN DETAILS

Plumbing

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-0.1	PLUMBING	LEGEND AND S
-0.2	PLUMBING	CALCULATION
-1.0	PLUMBING	SITE PLAN
-2.0	PLUMBING	FLOOR PLAN
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-4.0	PLUMBING	DETAILS
-4.1	PLUMBING	DETAILS
-4.2	PLUMBING	DETAILS

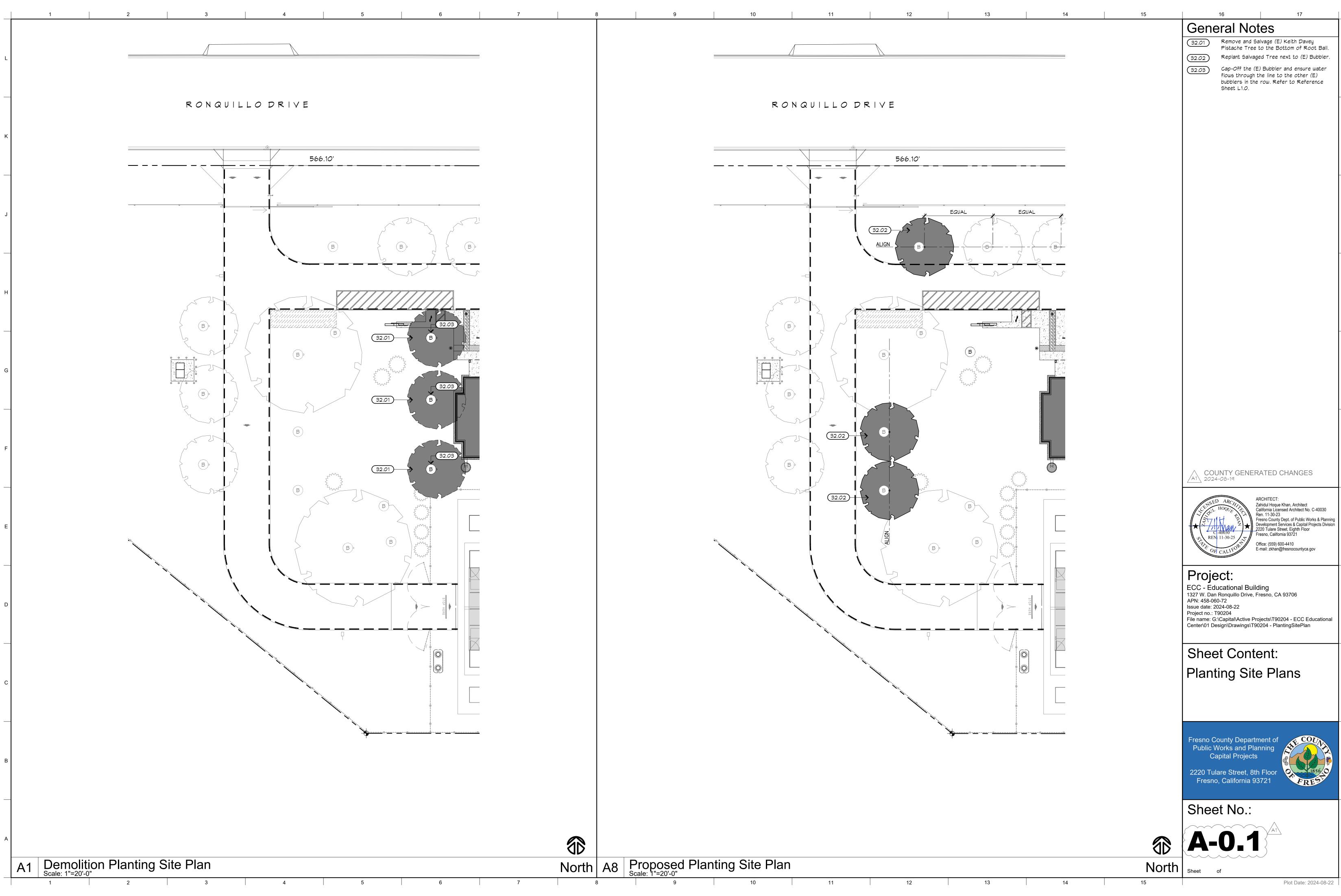
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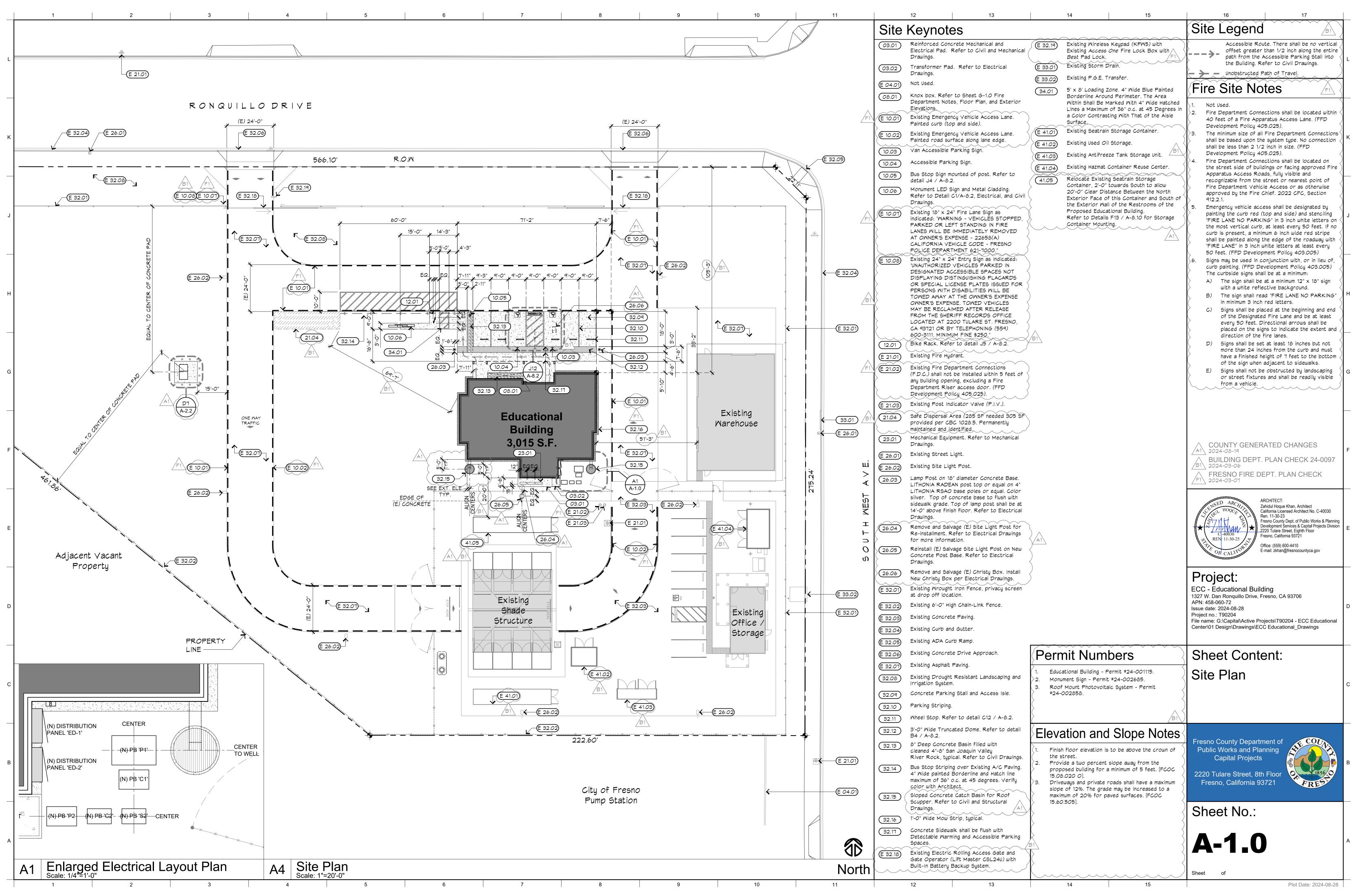
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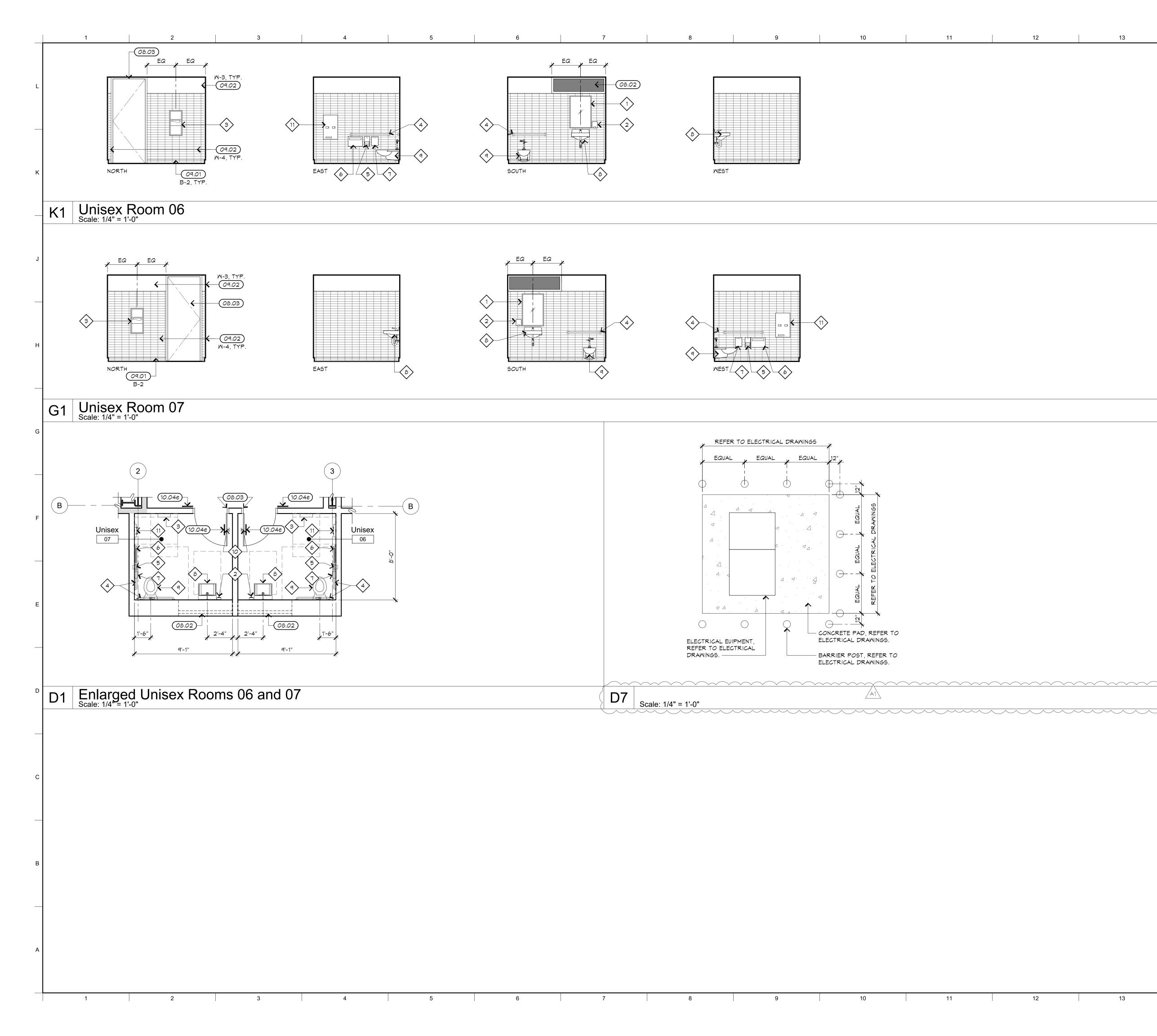
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	M-2.2	HVAC - VRF DIAG	RAMS				WORKS AND PLANNI	ING
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	E1.04	DIAGRAM, PANEL SCHEDULES			4" SLAB ON G		PSF	Ž
	E1.05	LIGHT FIXTURE SC	HEDULE		(PATION 4,000		\rightarrow
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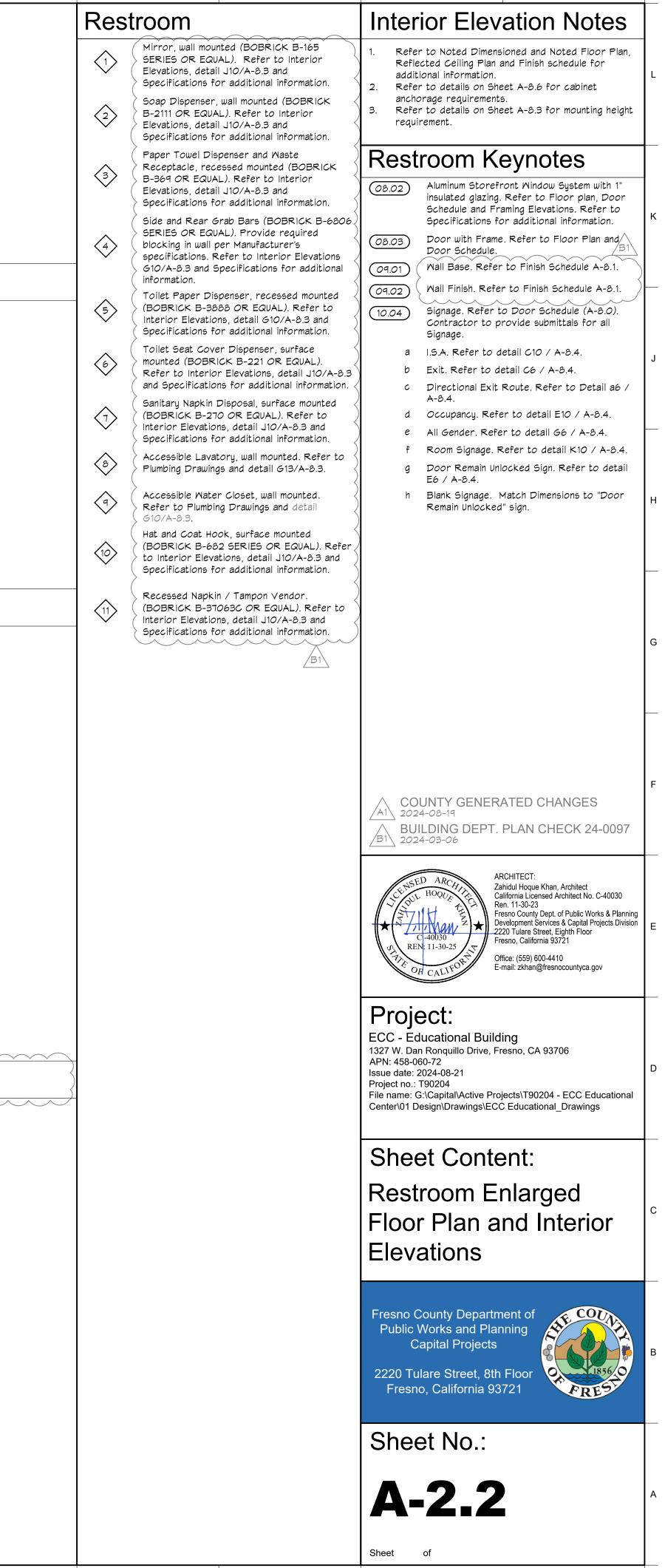
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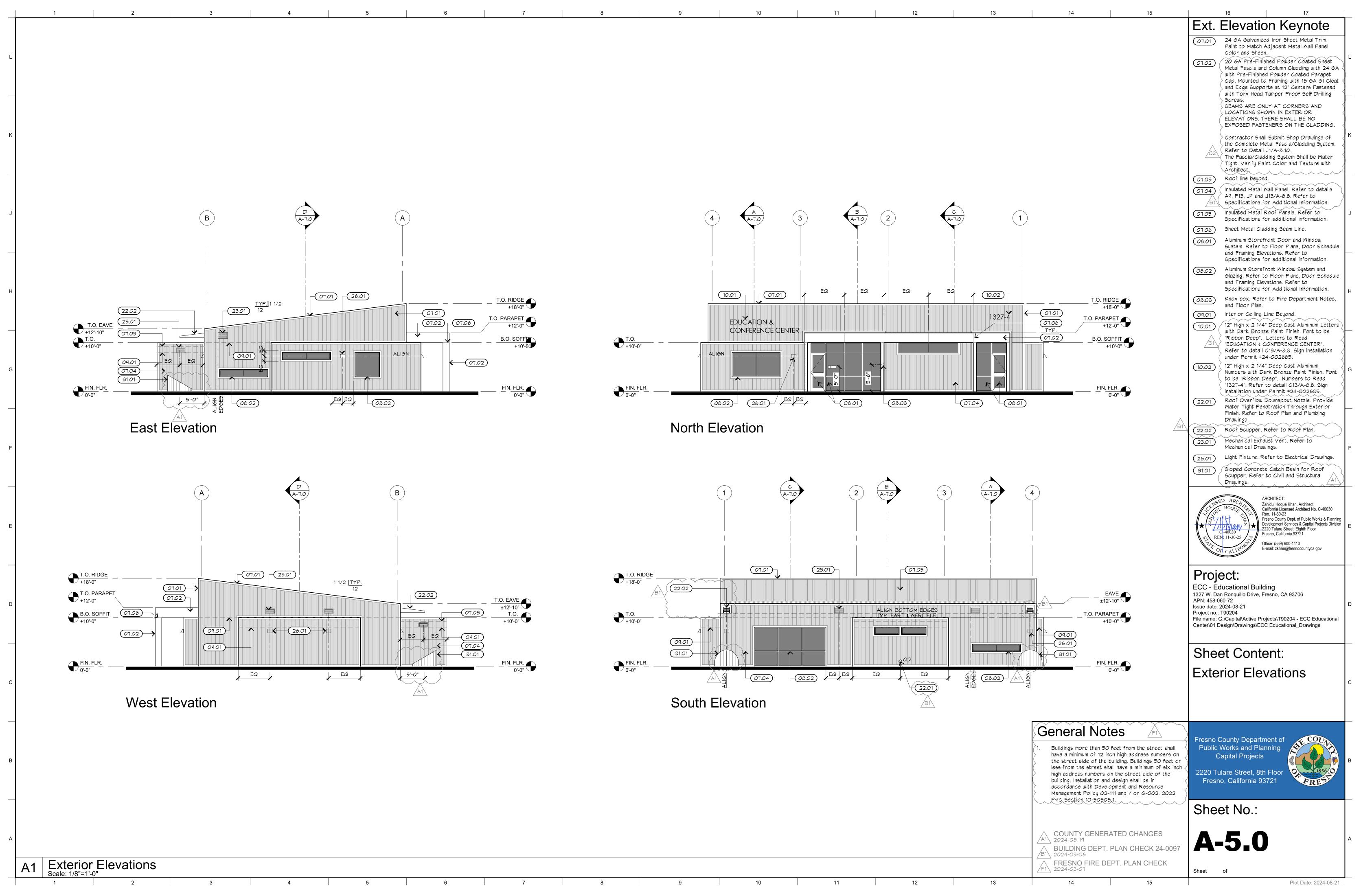
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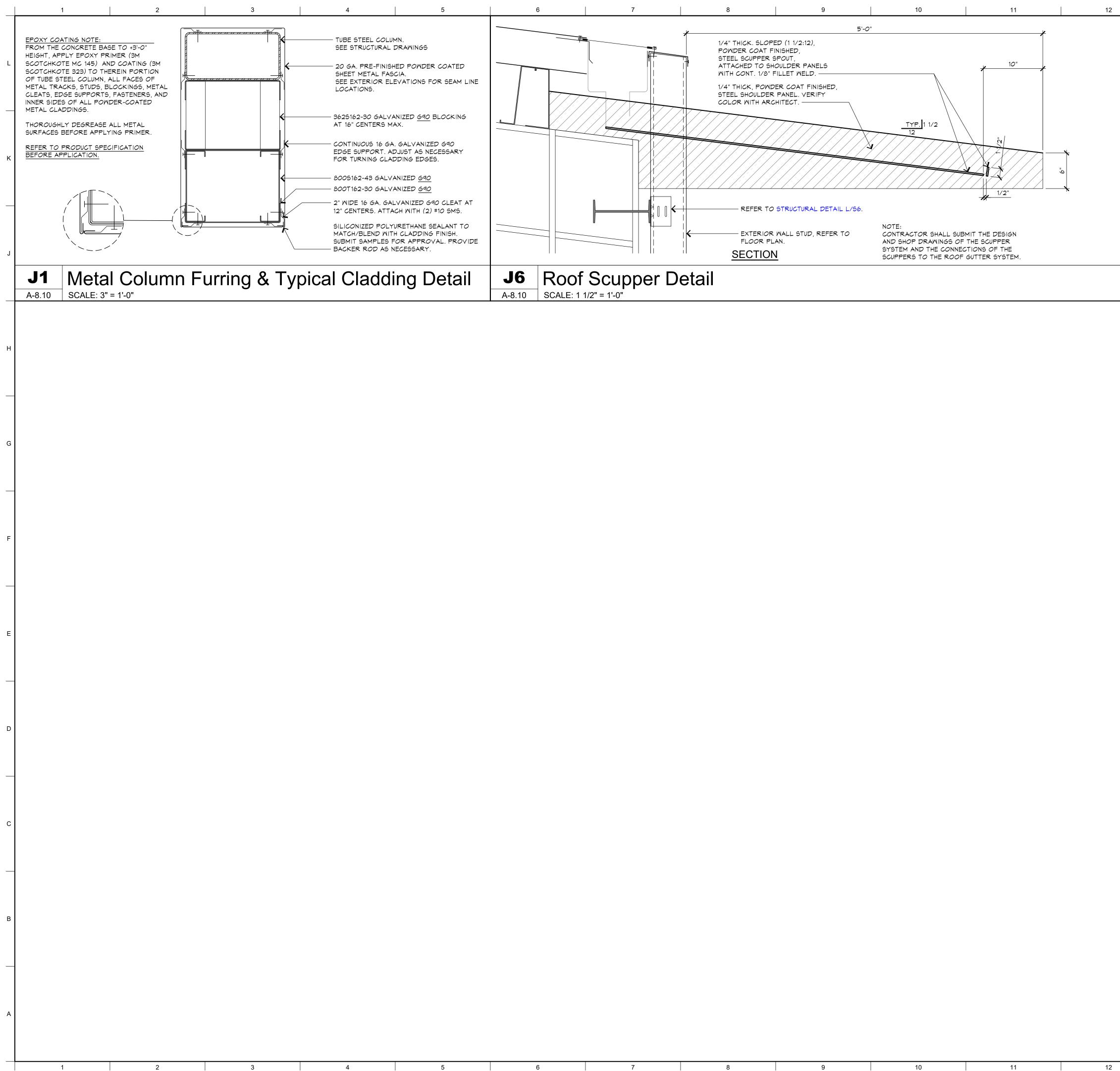


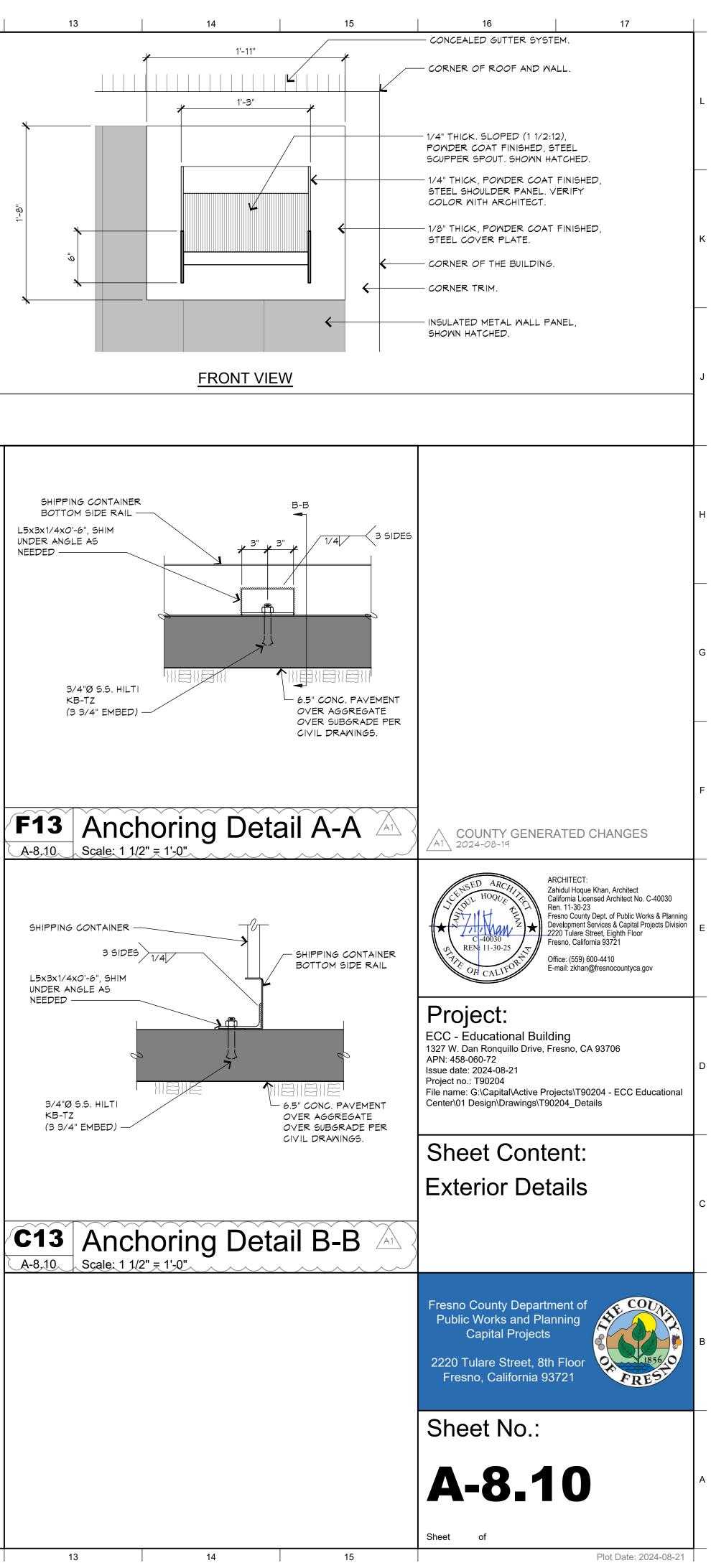














CONSTRUCTION STAKING NOTES:

. ENGINEERING/LAND SURVEYING FIRM IS RESPONSIBLE FOR CONSTRUCTION STAKING SHALL CERTIFY AND BE FAMILIAR WITH THE CITY'S AND COUNTY AS-BUILT CERTIFICATION REQUIREMENTS. 2. STAKING CONTRACTOR WILL BE RESPONSIBLE FOR SIGNING THE COUNTY'S INDEMNIFICATION FORM PROVIDED TO THE GENERAL CONTRACTOR'S LAND SURVEYOR. THE COUNTY WILL ONLY PROVIDE THE CAD FILE OF THE BASE SITE PLAN ONLY. CONTRACTOR'S STAKING SURVEYOR IS RESPONSIBLE FOR ALL CALCULATIONS BASED ON THE PLAN SHEETS PROVIDED WITHIN THE PERMIT SET. A CAD FILE OF THE GRADING AND UTILITY PLAN WILL NOT BE PROVIDED. CONTRACTOR TO PROVIDE SIGNED INDEMNIFICATION LETTER 72 HOURS PRIOR TO NEED THE CAD FILE. 3. A TIE-IN SURVEY IS REQUIRED PER COUNTY REQUIREMENTS. STAKING CONTRACTOR SHALL CERTIFY AND PROVIDE

TO THE COUNTY FOR REVIEW.

CONSTRUCTION OPERATION NOTES:

DUST SHALL BE CONTROLLED. WASTEWATER GENERATED DURING CONSTRUCTION SHALL NOT BE DISCHARGED TO THE STORM DRAIN SYSTEM. THIS INCLUDES WASTE FROM PAINTING, SALUTING, CONCRETE WORK, ETC. THE CONTRACTOR SHALL MAKE ARRANGEMENTS TO ELIMINATE DISCHARGES TO THE STORM DRAIN SYSTEM AND. IF NECESSARY, PROVIDE AN AREA FOR ON-SITE WASHING ACTIVITIES DURING CONSTRUCTION. MATERIALS WHICH COULD CONTAMINATE STORM RUNOFF SHALL BE STORED IN AREAS WHICH ARE DESIGNED TO PREVENT EXPOSURE TO RAINFALL AND TO NOT ALLOW STORM WATER TO RUN ONTO THE AREA.

PAVEMENT CLEANING:

FLUSHING OF STREETS/PARKING LOTS TO REMOVE DIRT AND CONSTRUCTION DEBRIS IS PROHIBITED UNLESS PROPER SEDIMENT CONTROL ARE USED, PREFERABLY AREAS REQUIRING CLEANING SHOULD BE SWEPT.

NOTES:

- 1. IN THE EVENT OF CONFLICTING PROVISION BETWEEN THE SPECIFICATIONS AND DRAWING: THE MORE SPECIFIC WILL TAKE PRECEDENCE OVER THE LESS SPECIFIC; THE MORE STRINGENT WILL TAKE PRECEDENCE OVER THE LESS STRINGENT. ON ALL THE DRAWINGS, FIGURES TAKE PRECEDENCE OVER SCALED DIMENSIONS. SCALING OF DIMENSION, IF DONE IS DONE AT CONTRACTOR'S OWN RISK.
- 2. NO OPEN BURNING SHALL OCCUR ON THE PROJECT SITE UNLESS A LAND CLEARING PERMIT IS OBTAINED FROM THE DISTRICT
- 3. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING.
- 4. CONTRACTOR SHALL PROVIDE THE COUNTY OF FRESNO WITH AN AS-BUILT PLANS. PLANS ARE TO BE SUBMITTED UPON COMPLETION OF PROJECT PRIOR TO ACCEPTANCE.
- 5. THE CONTRACTOR SHALL VERIFY THE ELEVATION OF THE EXISTING (WITH PLUS AND/OR MINUS SIGN SHOWN ON PLANS) SUCH AS CURB & GUTTER, PAVEMENT, SEWER & STORM LOWLINESS, ETC. AT THE POINT OF CONNECTION AND NOTIFY THE ENGINEER IMMEDIATELY IF MORE THAN 0.02 FOOT DIFFERENCE EXISTS FROM THIS PLAN.
- 6. CONTRACTOR SHALL REPLACE AND/OR REPAIR ALL DAMAGES AFFECTED BY CONSTRUCTION TO EXISTING ADJACENT OFF-SITE IMPROVEMENTS TO THE SATISFACTION OF CITY/COUNTY CONSTRUCTION MANAGEMENT AND/OR PROJECT REPRESENTATIVE.
- 7. CONTRACTOR SHALL COORDINATE HIS SCHEDULE WITH ALL UTILITY COMPANIES AFFECTED BY THIS WORK. NO ADDITIONAL COMPENSATION WILL BE MADE FOR SUCH COORDINATION WITH UTILITY COMPANIES.
- 8. FOUNDATION FOR MANHOLE, CURB INLET, CATCH BASIN, UTILITY BOX, ETC. SHALL BE UNDERLAIN BY ENGINEERED FILL IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

CONTRACTORS: THESE IMPROVEMENT PLANS HAVE BEEN PREPARED WITH THE INTENT THAT THE COUNTY OF FRESNO WILL BE PERFORMING THE CONSTRUCTION STAKING FOR THE COMPLETE PROJECT. IF ANYONE OTHER THAN THE DESIGN ENGINEER IS EMPLOYED TO USE THESE PLANS FOR THE PURPOSE OF CONSTRUCTION STAKING, NOTICE IS HEREBY GIVEN THAT THE COUNTY OF FRESNO WILL NOT ASSUME ANY RESPONSIBILITY FOR ERRORS OR OMISSIONS, IF ANY, WHICH MIGHT OCCUR AND WHICH COULD HAVE BEEN AVOIDED, CORRECTED, OR MITIGATED IF THE COUNTY OF FRESNO HAD PERFORMED THE STAKING WORK.

THE EXISTENCE AND APPROXIMATE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WERE DETERMINED FROM INFORMATION PROVIDED BY A FIELD INVESTIGATION AND RECORD INFORMATION. THERE MAY BE OTHER UTILITIES AND OR STRUCTURES IN THE AREA. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURE TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES THAT MAY BE AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED AND CALL USA ALERT 1-811 BEFORE STARTING WORK. WHERE ON-SITE UTILITIES ARE NOT COVERED BY USA ALERT AND PRECAUTIONARY MEASURE JUSTIFY, THE CONTRACTOR SHALL EMPLOY A PROFESSIONAL TO LOCATE EXISTING UTILITIES AND STRUCTURES.

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES. CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT HIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE

/ B3 Monumentation Notes:

DESIGN PROFESSIONAL.

- CONTRACTOR IS RESPONSIBLE FOR RE-SETTING ANY SURVEY MONUMENTS DAMAGED DURING CONSTRUCTION. CONTRACTOR TO FILE A CORNER RECORD OR RECORD OF SURVEY (AS APPLICABLE) 45 DAYS PRIOR TO THE FINAL AS-BUILT ALTA SURVEY
- 2. PURSUANT TO SECTIONS 8771(b) AND 8771 (c) OF THE GOVERNMENT CODE, ANY MONUMENTS THAT CONTROL THE LOCATION OF BOUNDARIES. OR OTHERWISE PROVIDE HORIZONTAL OR VERTICAL SURVEY CONTROL WITHIN THE CONSTRUCTION AREA, SHALL BE LOCATED AND REFERENCED PRIOR TO CONSTRUCTION, AND A CORNER RECORD OF SURVEY OF THE REFERENCES SHALL BE FILED WITH THE COUNTY SURVEYOR.
- . PERMANENT MONUMENTATION SHALL BE SET TO PERPETUATE THE LOCATION OF ANY MONUMENT WHICH COULD BE DAMAGED OR DESTROYED, AND A CORNER RECORD OR RECORD OF SURVEY SHALL BE FILED WITH THE COUNTY SURVEYOR PRIOR TO THE RECORDING OF A CERTIFICATE OF COMPLETION FOR THE PROJECT

Engineer's Certification:

THIS PLAN WILL NOT IMPACT A DRAINAGE, GRADING OR FLOODING HAZARD TO ITSELF AND SURROUNDING PROPERTIES.

IOSEPH C. HARRELL. PI

8/29/2024 DATE

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THESE QUANTITIES DO NO SHRINKAGE, SUBSIDENCE, ANY SPECIAL CONDITIONS MAY BE SPECIFIED IN TH INVESTIGATION REPORT. T AREA FOR PERMIT PURPO	OT INCLUDE ANY OVER-EXCAVATION, OR OR REQUIREMENTS THAT E GEOTECHNICAL HESE QUANTITIES IN THE OSES ONLY. ALL N THIS PROJECT SHOULD MINATION OF EARTHWORK
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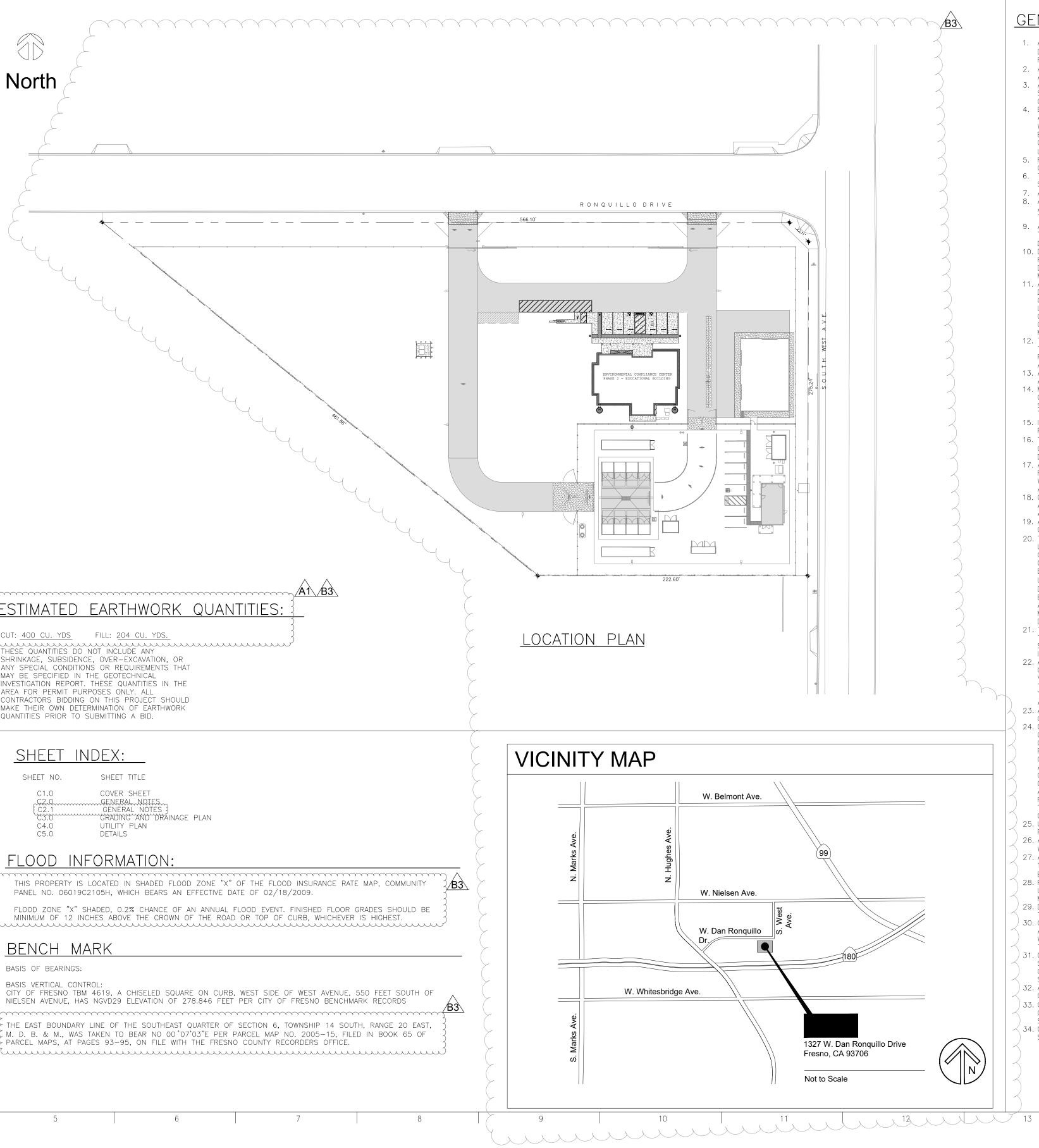
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- > PARCEL MAPS, AT PAGES 93-95, ON FILE WITH THE FRESNO COUNTY RECORDERS OFFICE.

FRESNO COUNTY ENVIRONMENTAL COMPLIANCE CENTER PHASE 2 - EDUCATIONAL BUILDING

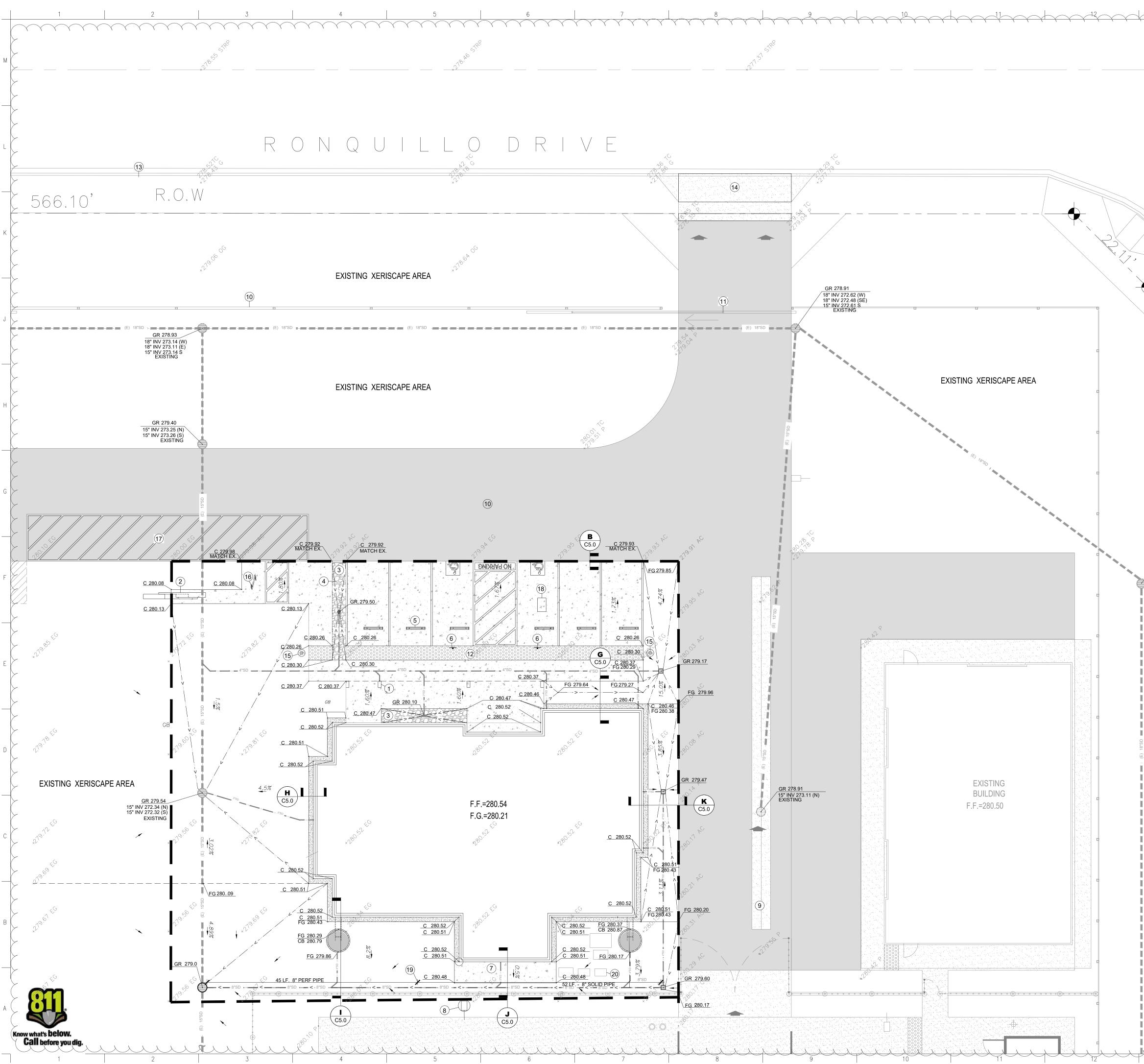
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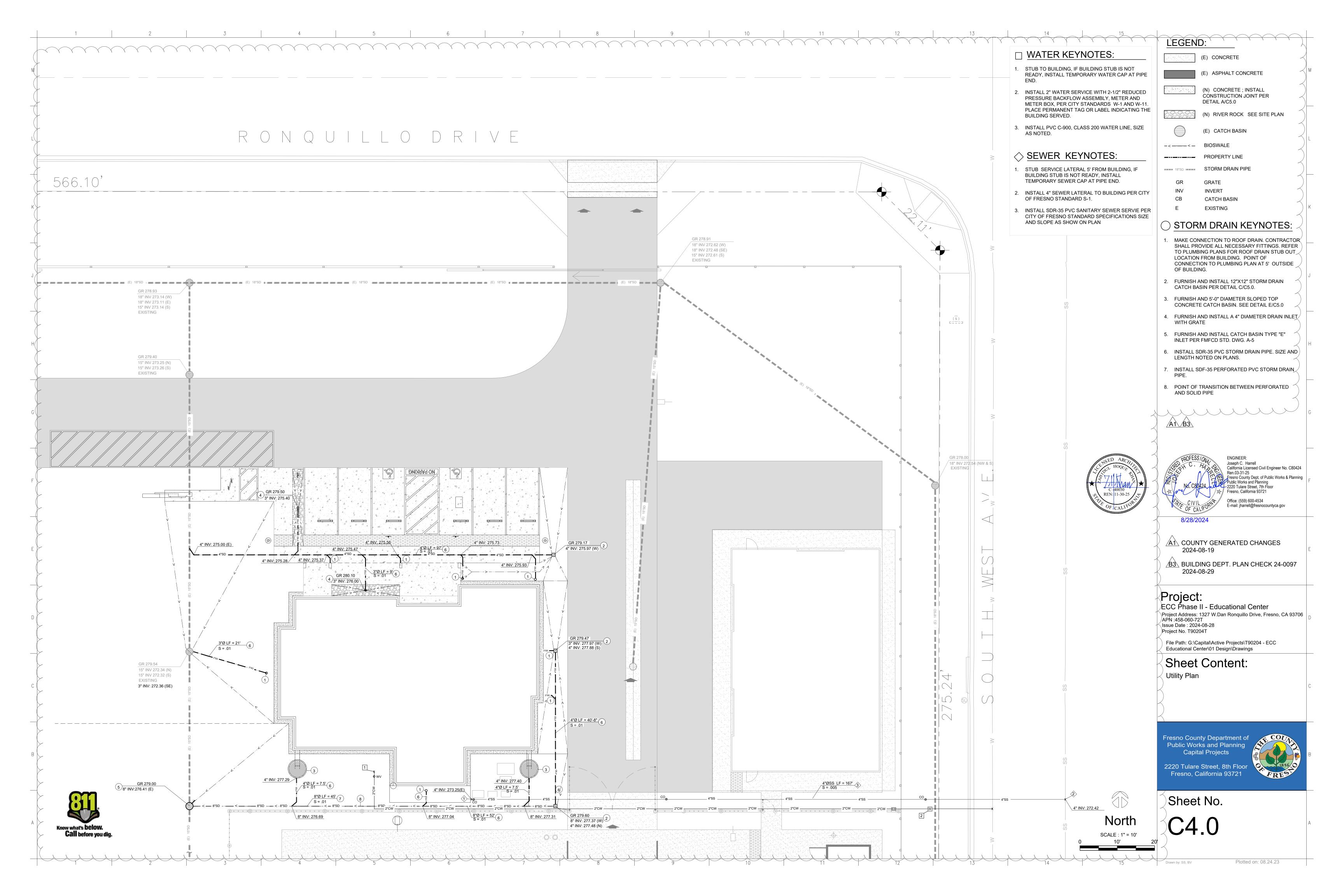


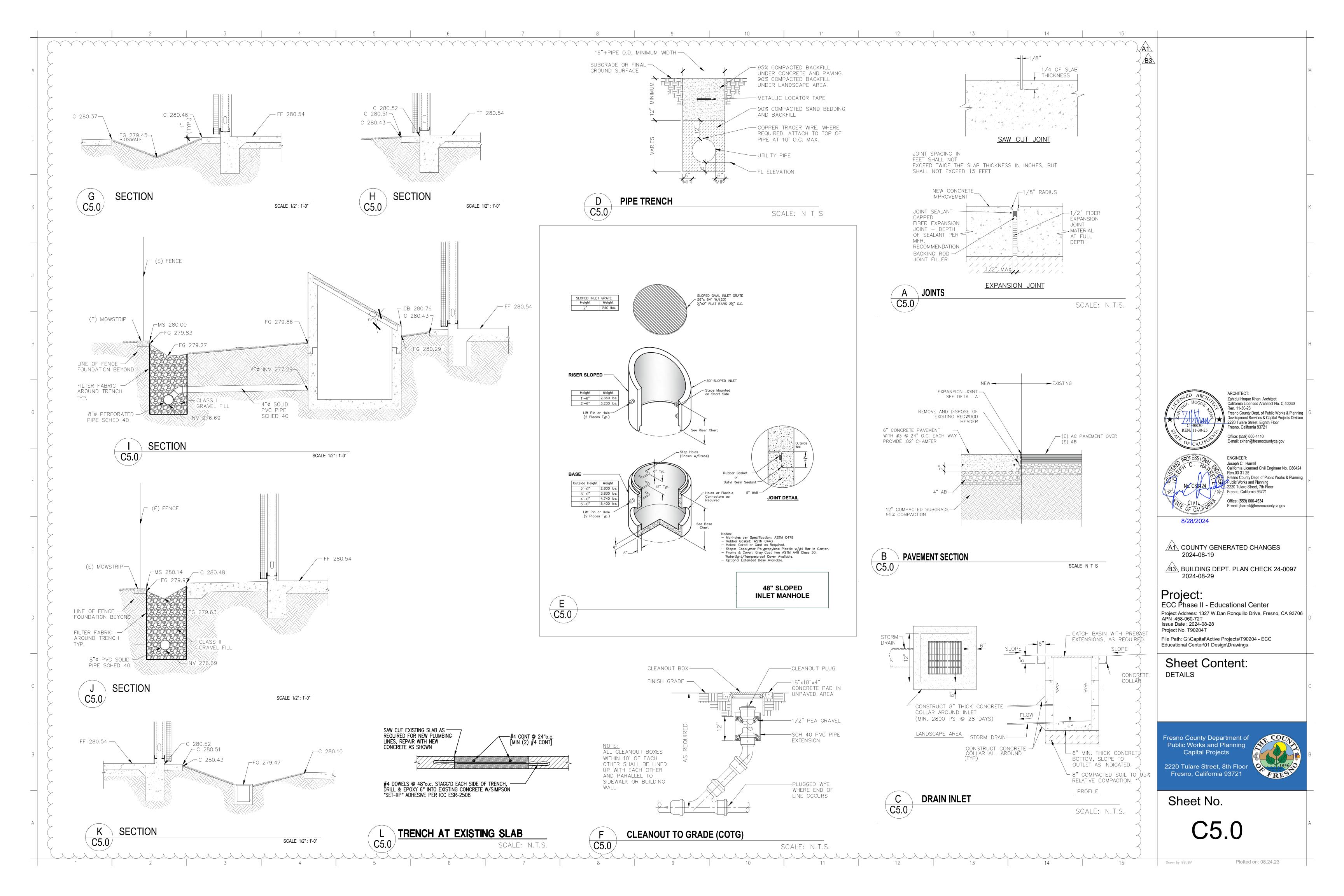
	GENERAL NOTES :	GRADING AND DRAINAGE N
- 1 - 2 - 3 - 4 - 5 - 6 - 7 - 7 - 8	 The work embraced herein shall be done in accordance with the appropriate provisions of the specifications entitled City of Fresno's Public Works Standard Drawings and Specifications, insofar as the same may apply which specifications hereinafter are referred to as the standard specification. The Contractor shall notify the Department of Public Works and Planning of the County of Fresno Design Division at (559) 600-4534 and 72 hours prior to the start of construction. All work installed shall meet or exceed City of Fresno Public Works Standard Drawings and Specifications. Inspection request shall be within 24 to 48 hours prior to inspections by the City/County Engineering Inspector. An Encroachment Permit is required for any work to be performed in the City of Fresno road right-of-way. Contact the City Permit Engineer to obtain permit. If an Encroachment Permit has not been obtained within 12 months of the approval date of these plans, additional review and revisions to the plans may be required before the permit is issued. The work embraced herein shall not be commenced until the Owner of the property or the Contractor has first been provided an inquiry identification number for subsurface installations as specified in Section 4216 of the Government Code. Before commencing work, the Contractor shall notify all utility authorities or utility companies having possible interest in the work of the Contractor's intention to excavate proximate to existing facilities and the Contractor shall notify Underground Service Alert (U.S.A.) two (2) working days prior to beginning any excavation. The Contractor shall notify Underground Service Alert (U.S.A.) two (2) working days prior to beginning any excavation. The Contractor shall notify underground Service Alert (U.S.A.) two (2) working days prior to beginning any excavation. The Contractor shall notifie authorization from any property owner giving him permission to enter his propert	 CRADING AND DRAINAGE 1 The work embraced herein shall b Chapter 18, Chapter 33, and Appe Residential Code. A grading permit shall be obtained p This property has been identified as identified on the Federal Emergency for this area. Compliance with all a and completion of an Elevation Cert prepared by a licensed engineer or zone. For development near a fl professional land surveyor must be s Approval by County Development E any off-site work in the public right shown on this plan for informatio Encroachment Permit from the City the Permit Engineer at least 72 hour in the City right-of-way shall be requirements. A Dust Control Plan to be submitted start of any construction activity on surface area for residential develop non-residential development. Const Control District has approved or on notification shall be provided to the commencement of earthmoving activitient to the County. Dust Control, Notification: Earthmon notification to be provided to the commence any earthmoving activitient than 10.0 acres in area, or for non-residential develop
11 12 13 14	 City/County Inspector. The costs of all testing required for acceptance of work shall be fully borne by the Applicant. Copies of testing results will be given to the County Inspector. All work performed "AT-RISK" without approval of these plans or any revisions thereafter is subject to revision, exposure, removal and replacement at the Applicant's cost. Temporary erosion control shall be provided with the installation of straw wattles, silt fences or other means agreeable to the City/County of Fresno for projects that are not required to have a SWPPP. Permanent erosion control shall be pavement, riprap, geotextile, jute mesh netting, hydromulch, or other type of landscaping to prevent erosion of material. All work proposed shall comply with Sections 20 and 21 of the CALTRANS Standard Specifications. Trench cuts in existing streets that are not to be reconstructed or overlaid shall have permanent trench resurfacing installed within seven (7) days after any initial street cut. Trench cut edges shall be bump grind, 7" of hot mix, placed in 3 lifts to finish grade. Water pipe lines shall have a minimum 10 ft clear horizontal separation from sanitary sever 	 than 10.0 acres in area, or for hor- to less than 5.0 acres in area. 7. A Notice of Intent (NOI) and Storm be filed with State Water Resource any construction activities disturbing WDID # and SWPPP shall be provident these plans. 8. Inspection of the rough graded para acceptance and release of the gradii 9. Compaction reports are required to Areas within flood zones required 95 10. A "Hold on Occupancy" will be in effective by the Engineer of Record. 11. Maximum cut and fill slopes shall I Report. 12. The ground around the structure sha to provide positive drainage away from
17 18 18 20 21 22	 Water pipe lines shall have a minimum to it clear horizontal separation from sanitary sewer pipe lines. The bottom of pressure water mains shall be one (1) ft vertically above any parallel pipelines conveying untreated sewage, primary or secondary treated sewage, recycled water, storm drainage, and hazardous fluids such as fuels, industrial wastes, and wastewater sludge when the clear horizontal distance between a water main and the said parallel pipeline is ten (10) ft or less per State of California Department of Health Services. The bottom of pressure water mains shall be at least one (1) foot above the top of sanitary sewer and storm drain lines where these lines must cross. All work proposed shall be in compliance with the latest version of the City of Fresno Public Works Standard Drawings and Specifications. A written clearance shall provide the County with a copy prior to start of work near or within designated stream/creek. All surveying / staking cut sheets shall be submitted to the City/County Inspector within 24 hours of work. A pre-construction meeting shall be conducted prior to any work beginning on a project. Two (2) sets of complete certified as-built plans shall be submitted to County of Fresno Public Works and Planning Department, Development Engineering Section for review and inspection prior to County final acceptance. The as-built plans prepared by licensed Professionals must be stamped and signed with date of signing prior to submittal. The cover sheet shall contain the required As-Built Plan Certification and all subsequent sheets must be stamped with "Record Drawing As-Built". Refer to as-built plan submittal requirements. 	13. Any vertical cut or fill differential equ properties shall be supported by an a

	GRADING AND DRAINAGE NOTES:		
The work embraced herein shall be done in accordance with the appropriate provisions of the specifications, insolar as the same may apply which specifications hereinafter are referred to as the standard specification. The Contractor shall notify the Department of Public Works and Planning of the County of Freeno Design Division at (559) 600-4534 and 72 hours prior to the start of construction. All work installed shall meet or exceed Ctly of Freeno Public Works Standard Drawings and Specifications. Inspection request shall be within 24 to 48 hours prior to inspections by the City/County Engineering Inspector. A Encroachment Permit is required for any work to be performed in the City of Freeson Public Works Standard Drawings and Specifications. Inspection request shall be within 24 to 48 hours prior to inspections by the City/County Engineering Inspector. The work embraced herein shall not be commenced until the Owner of the property or the Contractor hall notify interfaced herein shall not be commenced until the Owner of the property or the Contractor hall section 4216 the Covernment Code. Before commencing until the Owner of the substrate to existing facilities and the contractor shall notify contraction of any utilities in the work area. The Contractor shall notify Underground Service Alert (U.S.A.) two (2) working days prior to beginning any excavation. The outpact shall notify underground Service Alert (U.S.A.) two (2) working days prior to beginning any excavation. The contractor shall notify underground Service Shall be fully more by the Applicant. Copies of testing required for acceptance of work shall be fully borne by the Applicant. Copies of testing required for acceptance of work shall be fully borne by the Applicant. Copies of testing results with a proval of these plans as diversions of the City/County Inspector. All work performed 'AT-RISK' without approval of these plans and wavelones of all notify unperformed 'AT-RISK' without approval of these plans andy revisions thereafter is subject to revisi	 GRADING AND DRAINAGE NOTES: 1. The work embraced herein shall be done in accordance with the appropriate provisions of Chapter 18, Chapter 33, and Appendix J of 2022 California Building Code and/or California Residential Code. 3. A grading permit shall be obtained prior to any grading and paving work for this project. 3. This property has been identified as being within or adjacent to a known flood zone (SFHA) as identified on the Federal Emergency Management (FEMA) Flood Insurance Rate Mage (FIRM) for this area. Compliance with all aspects of the County Floodplan Ordinance Section 15.46 and completion of an Evervation Certificate or a maj of survey is traquined. Elsivation certificate or a maj of survey is traquined and signed by all consed engineer or land surveyor is reguired for development within a flood zone. For development near a flood zone, a maj of survey is tamped and signed by all of any provint and Eutomitted if online of the survey is traquined and surveyor work is shown on this plan. Off-site work is shown on this plan for information and coordination purposes only and will require an Euroacament Permit from the City Engineering Services Division Fermit Engineer. Contad the Permit Engineer 10 to be submitted to San Joaquin Valley Air Folution Control District at the start of any construction activity on any site that will include 10 acres or more of disturbed surface area for residential development. Construction activities shall not control. District as a sproved or construction activities. A cory of the writine Notification shall be provided to the Air Pollution Control District as a provod at construction activities. A cory of the writine Notification shall be provided to the Air Pollution Control District and sproved or construction activities and and survey on any construction shalls be provided to the Air Pollution Control District as anging from 1.0 to less than 10.0 acres in area, or for non-residential development Engineering for a 1.0 to less than 10.	 DUST CONTROL NOTES: A Dust Control Plan to be submitted to San Jacquin Valley Air Pollution Control District at the stard any construction activity on any site that will include 10 acres or more of disturbed surface area for nexhibited to the Air Pollution Control District Nuthin 10 acres in any enthomy and to the Air Pollution Control District Nuthin 10 acres in area, or for non-residential developments, or 5 acres or more of disturbed surface area for nexhibites and the provided to the Air Pollution Control District Nuthin 10 acres in area, or for non-residential development Construction Siles area for for 10 to less than 10.0 acres in area, or for non-residential development construction siles area for for 10 to less than 10.0 acres in area, or for non-residential development construction siles area for for 10 to less than 10.0 acres in area, or for non-residential development construction siles area for for 10 to less than 10.0 acres in area, or for non-residential development construction siles area for for 10 to less than 10.0 acres in area, or for non-esidential development construction siles area for for non-residential development construction siles area for an or acres. 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			ECC Phase II - Educational Center Project Address: 1327 W. Dan Ronquillo Drive, Fresno, CA 9 APN : 458-060-72T Issue Date : 2024-08-28 Project No. T90204T File Path: G:\Capital\Active Projects\T90204 - ECC Educational Center\01 Design\Drawings Sheet Content: GENERAL NOTES
			Fresno County Department of Public Works and Planning Capital Projects 2220 Tulare Street, 8th Floor
			Fresno, California 93721



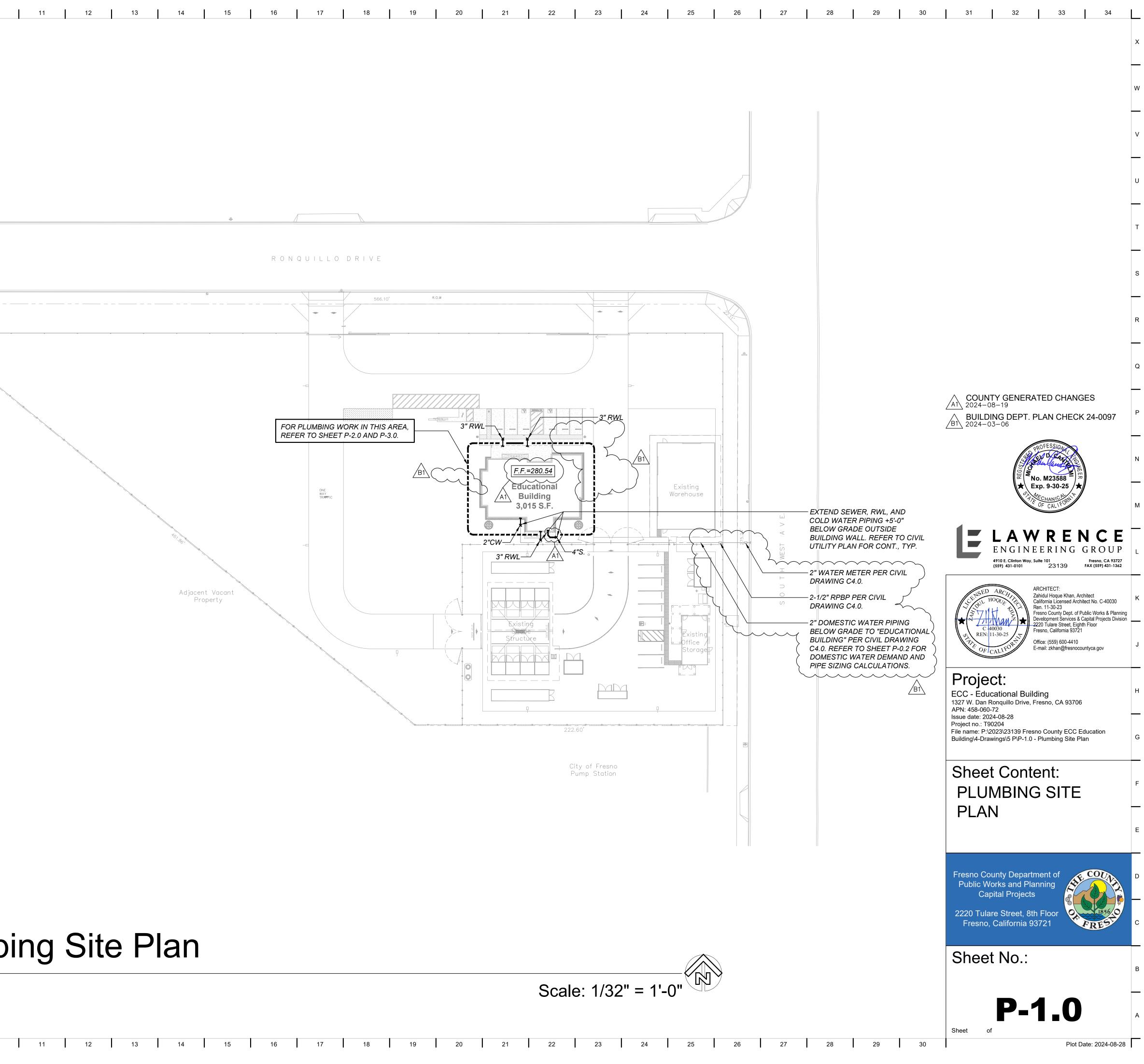
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	(E) CATCH BASIN (N) CATCH BASIN TYPE E INLET PER FMFCD STD. DWG. A-5		
	(N) 12" SQUARE CATCH BASIN SEE DETAIL C/C5.0		
	-<		К
	STORM DRAIN PIPE		
	LIMITS OF GRADING 5'-0"Ø SLOPED TOP CONCRETE CATCH BASIN; SEE E/C5.0		
	 4"Ø DRAIN INLET 		
	× ^{346.17EG} EXISTING GRADE		J
	335.70 NEW FINISHED GRADE	$\mathbb{R}^{\mathcal{A}}$	
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	EG EXISTING GRADE G VALLEY GUTTER	R	
	P PAVEMENT FF FINISH FLOOR	Ř	
	FG FINISH GRADE		
	SD STORM DRAIN PIPE	A1 COUNTY GENERATED CHANGES 2024-08-19	G
	CB CATCH BASIN	B3 BUILDING DEPT. PLAN CHECK 24-0097 2024-08-29	
GR 278.00 18" INV 271.54 (NW & S) EXISTING		ENGINEER: Joseph C. Harrell California Licensed Civil Engineer No. C80424 Ren.03-31-25 Fresno County Dept. of Public Works & Planning Public Works and Planning	F
	○ <u>KEYNOTES:</u>	No. C80424 2220 Tulare Street, 7th Floor Fresno, California 93721 Office: (559) 600-4534	
	 BOXED COLUMN, SEE ARCHITECTURAL (TYP. OF 4) MONUMENT LED SIGN 	Office: (559) 600-4534 E-mail: jharrell@fresnocountyca.gov	
	3. 8" DEEP CONCRETE BASIN FILLED WITH RIVER ROCK, SEE ARCHITECTURAL	ARCHITECT: Zahidul Hoque Khan, Architect California Licensed Architect No. C-40030	
	4. BUS STOP SIGN MOUNTED ON POST	Ren. 11-30-23 Fresno County Dept. of Public Works & Planning Development Services & Capital Projects Division 2220 Tulare Street, Eighth Floor	E
	5. WHEEL STOP (TYP.)6. ACCESSIBLE PARKING SIGN.	REN: 11-30-25 <i>GF</i> CALIFOR <i>OF</i> CALIFOR <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i>CALIFOR</i> <i></i>	
	7. EQUIPMENT PAD		
	 8. EXISTING LIGHT POLE (TYP.) 9. EXISTING CONCRETE VALLEY GUTTER 	Project: ECC Phase II - Educational Center	
	10. EXISTING FENCE	Project Address: 1327 W. Dan Ronquillo Drive, Fresno, CA 93706 APN : 458-060-72T Issue Date : 2024-08-28	D
	11. EXISTING GATE 12. 3' WIDE TRUNCATED DOME	Project No. T90204T File Path: G:\Capital\Active Projects\T90204 - ECC Educational Center\01 Design\Drawings	
	13. EXISTING CURB AND GUTTER	Sheet Content:	-
	14. EXISTING DRIVEWAY APPROACH15. 18"Ø LAMP POST	Grading and Drainage Plan	
	16. BIKE RACK	R	С
	 17. BUS STOP 18. EXISTING UTILITY BOX TO BE ADJUSTED TO NEW FINISHED GRADE (VERIFY 	8	
	LOCATION) 19. TRANSITION LINE FROM SOLID TO PERFORATED PIPE - SIZE AS SHOWN	Fresno County Department of	
	20. ELECTRICAL PULL BOX (TYP.)	Public Works and Planning Capital Projects 2220 Tulare Street, 8th Floor Fresno, California 93721	В
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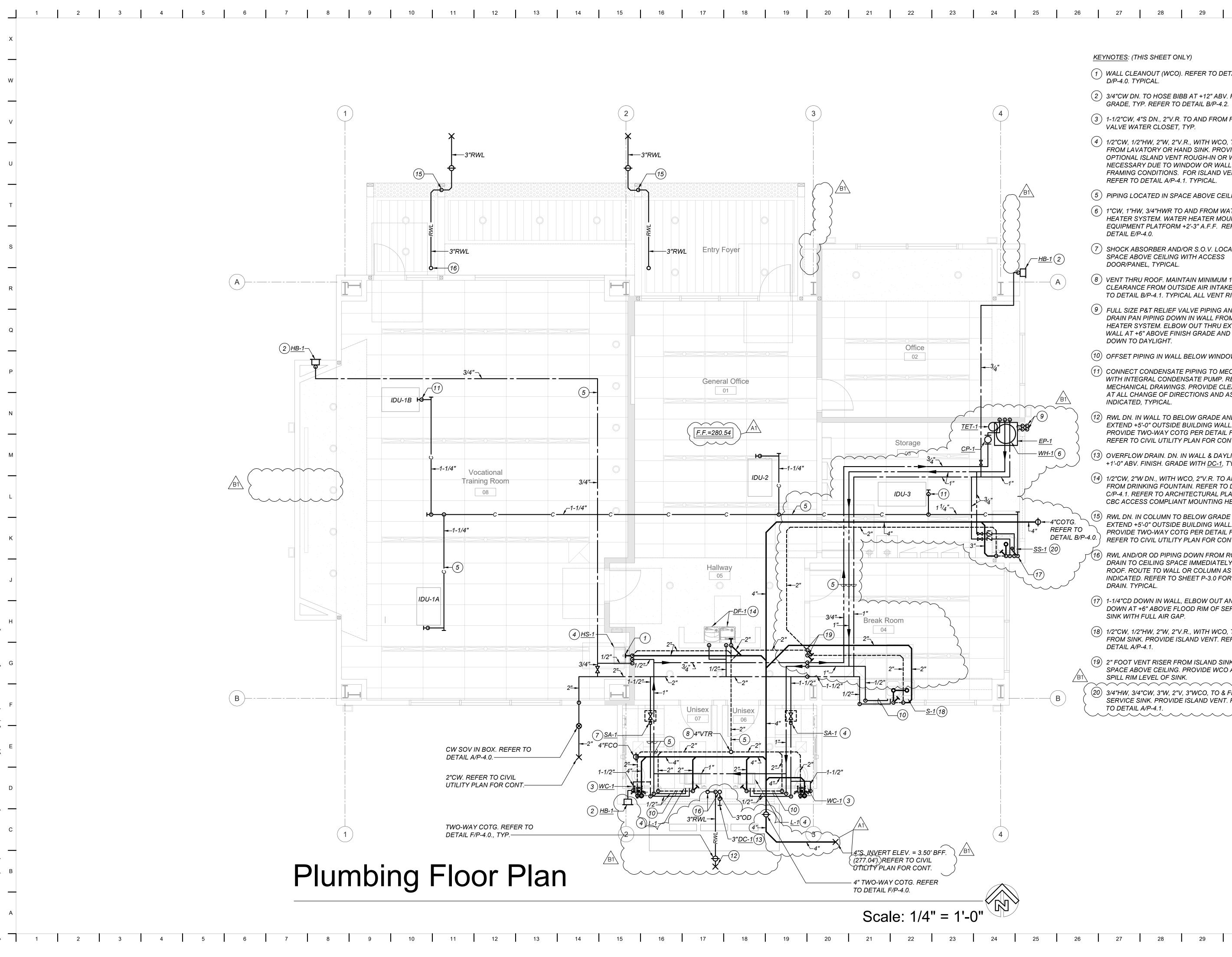






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KEYNOTES: (THIS SHEET ONLY)

- (1) WALL CLEANOUT (WCO). REFER TO DETAIL D/P-4.0. TYPICAL.
- (2) 3/4"CW DN. TO HOSE BIBB AT +12" ABV. FIN. GRADE, TYP. REFER TO DETAIL B/P-4.2.
- (3) 1-1/2"CW, 4"S DN., 2"V.R. TO AND FROM FLUSH VALVE WATER CLOSET, TYP.
- (4) 1/2"CW, 1/2"HW, 2"W, 2"V.R., WITH WCO, TO AND FROM LAVATORY OR HAND SINK. PROVIDE OPTIONAL ISLAND VENT ROUGH-IN OR WHERE NECESSARY DUE TO WINDOW OR WALL FRAMING CONDITIONS. FOR ISLAND VENT, REFER TO DETAIL A/P-4.1. TYPICAL.
- (5) PIPING LOCATED IN SPACE ABOVE CEILING.
- (6) 1"CW, 1"HW, 3/4"HWR TO AND FROM WATER HEATER SYSTEM. WATER HEATER MOUNTED ON EQUIPMENT PLATFORM +2'-3" A.F.F. REFER TO DETAIL E/P-4.0.
- (7) SHOCK ABSORBER AND/OR S.O.V. LOCATED IN SPACE ABOVE CEILING WITH ACCESS DOOR/PANEL, TYPICAL.
- (8) VENT THRU ROOF. MAINTAIN MINIMUM 10'-0" CLEARANCE FROM OUTSIDE AIR INTAKE. REFER TO DETAIL B/P-4.1. TYPICAL ALL VENT RISERS.
- (9) FULL SIZE P&T RELIEF VALVE PIPING AND 1" DRAIN PAN PIPING DOWN IN WALL FROM WATER HEATER SYSTEM. ELBOW OUT THRU EXTERIOR WALL AT +6" ABOVE FINISH GRADE AND TURN DOWN TO DAYLIGHT.
- (10) OFFSET PIPING IN WALL BELOW WINDOW.
- (11) CONNECT CONDENSATE PIPING TO MECH. IDU WITH INTEGRAL CONDENSATE PUMP. REFER TO MECHANICAL DRAWINGS. PROVIDE CLEANOUTS AT ALL CHANGE OF DIRECTIONS AND AS INDICATED, TYPICAL.
- (12) RWL DN. IN WALL TO BELOW GRADE AND EXTEND +5'-0" OUTSIDE BUILDING WALL. PROVIDE TWO-WAY COTG PER DETAIL F/P-4.0. REFER TO CIVIL UTILITY PLAN FOR CONT., TYP.
- (13) OVERFLOW DRAIN. DN. IN WALL & DAYLIGHT +1'-0" ABV. FINISH. GRADE WITH DC-1, TYPICAL.
- (14) 1/2"CW, 2"W DN., WITH WCO, 2"V.R. TO AND FROM DRINKING FOUNTAIN. REFER TO DETAIL C/P-4.1. REFER TO ARCHITECTURAL PLANS FOR CBC ACCESS COMPLIANT MOUNTING HEIGHT.

(15) RWL DN. IN COLUMN TO BELOW GRADE AND EXTEND +5'-0" OUTSIDE BUILDING WALL. PROVIDE TWO-WAY COTG PER DETAIL F/P-4.0. DETAIL B/P-4.0. REFER TO CIVIL UTILITY PLAN FOR CONT., TYP.

> (16) RWL AND/OR OD PIPING DOWN FROM ROOF DRAIN TO CEILING SPACE IMMEDIATELY BELOW ROOF. ROUTE TO WALL OR COLUMN AS INDICATED. REFER TO SHEET P-3.0 FOR ROOF DRAIN. TYPICAL.

- (17) 1-1/4"CD DOWN IN WALL, ELBOW OUT AND TURN DOWN AT +6" ABOVE FLOOD RIM OF SERVICE SINK WITH FULL AIR GAP.
- (18) 1/2"CW, 1/2"HW, 2"W, 2"V.R., WITH WCO, TO AND FROM SINK. PROVIDE ISLAND VENT. REFER TO DETAIL A/P-4.1.
- (B)

-<u>HB-1</u>(2)

<u>WH-1(6</u>)

-−4"COTG.

L4″

-<u>SS-1</u> (20)

REFER TO

Α

- (19) 2" FOOT VENT RISER FROM ISLAND SINK TO SPACE ABOVE CEILING. PROVIDE WCO ABOVE SPILL RIM LEVEL OF SINK.
- (20) 3/4"HW, 3/4"CW, 3"W, 2"V, 3"WCO, TO & FROM SERVICE SINK. PROVIDE ISLAND VENT. REFER TO DETAIL A/P-4.1.

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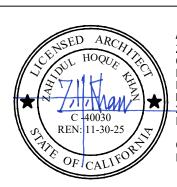
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ENGINEERING GROUP

COUNTY GENERATED CHANGES

′A1∖ 2024–08–19



ARCHITECT: Zahidul Hoque Khan, Architect California Licensed Architect No. C-40030 Ren. 11-30-23 Fresno County Dept. of Public Works & Planning Fresno, California 93721 Office: (559) 600-4410

23139 FAX (559) 431-1362

Fresno, CA 93727

E-mail: zkhan@fresnocountyca.gov

Project:

ECC - Educational Building 1327 W. Dan Ronquillo Drive, Fresno, CA 93706 APN: 458-060-72 Issue date: 2024-08-28 Project no.: T90204 File name: P:\2023\23139 Fresno County ECC Education Building\4-Drawings\5 P\P-2.0 - Plumbing Floor Plan

4910 E. Clinton Way, Suite 101

(559) 431-0101

Sheet Content: PLUMBING FLOOR PLAN

Fresno County Department of Public Works and Planning Capital Projects

2220 Tulare Street, 8th Floor Fresno, California 93721

Sheet No.:



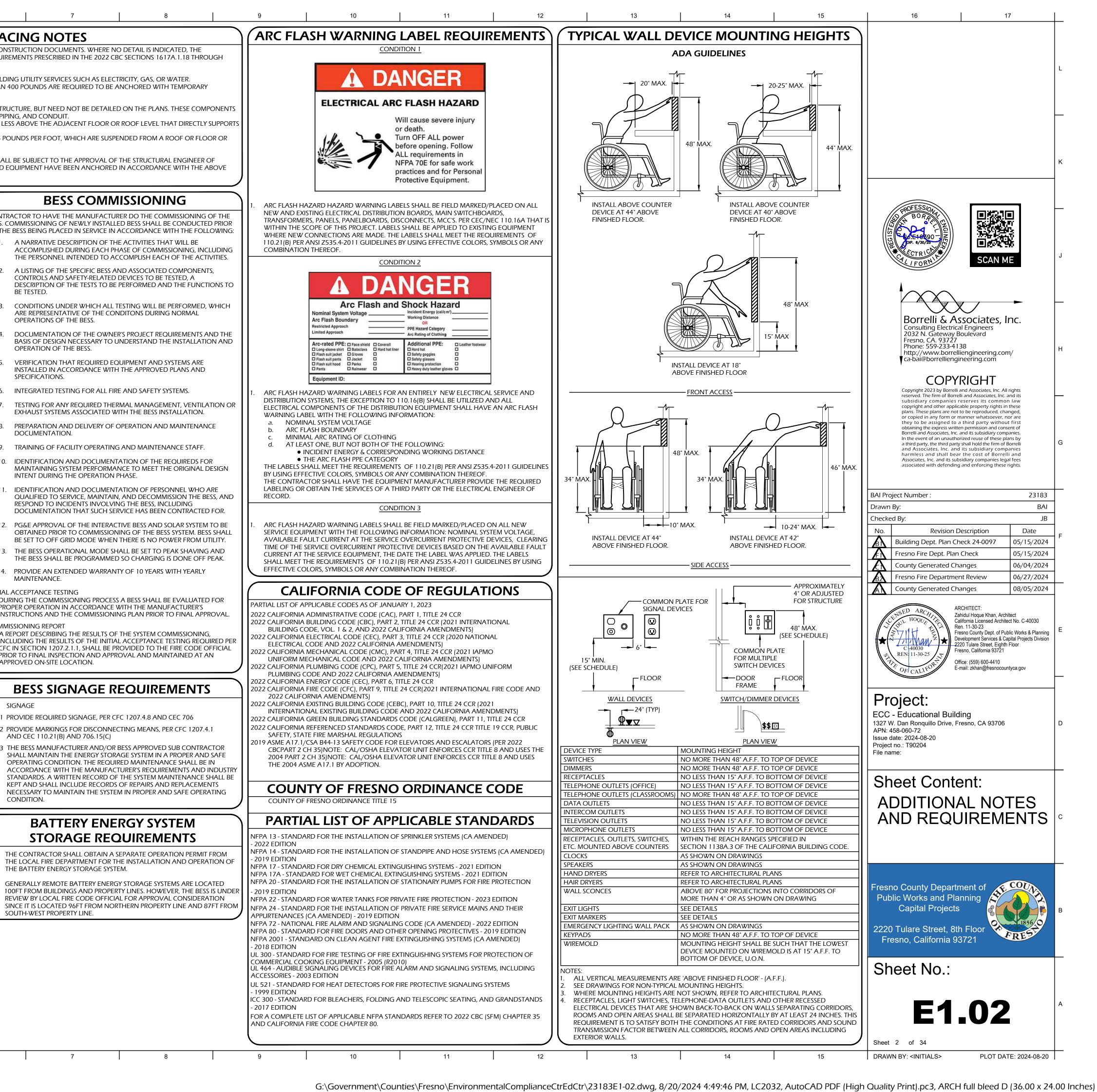


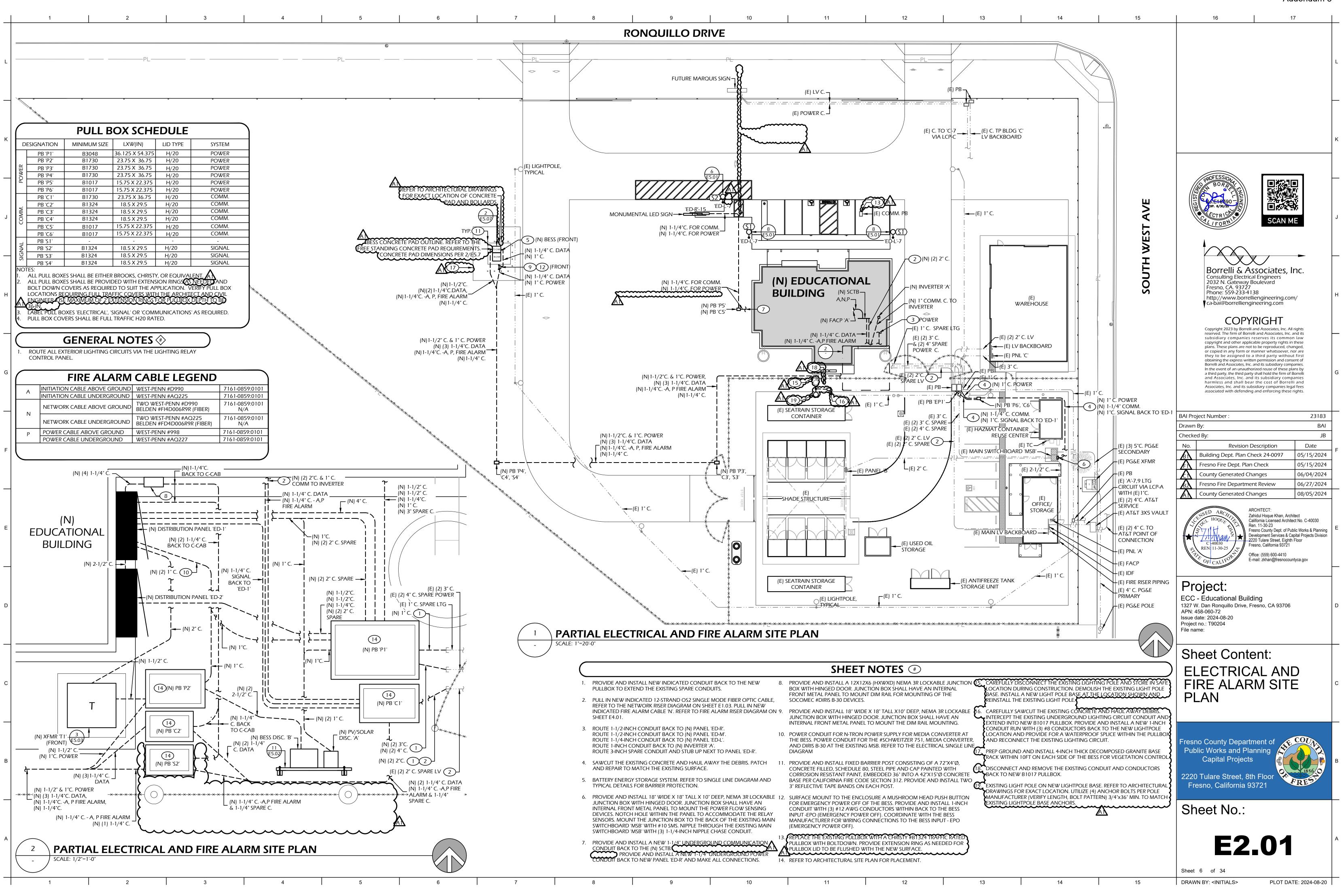




Plot Date: 2024-08-28

_	1 2 3	4 5 6
		ELECTRICAL EQUIPMENT BRA
L	FOLLOWING COMPO 1617A.1.26 AND ASCE 1. ALL PERMANENT 2. TEMPORARY OR M	IPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE APPROVED CO NENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQU E 7-16 CHAPTERS 13, 26, AND 30. EQUIPMENT AND COMPONENTS. MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUIL MENT WHICH IS STATIONED IN ONE PLACE FOR MOTE THAN 8 HOURS AND HEAVIER THAN
	SHALL HAVE FLEXIBLE	F THE FOLLOWING ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE ST E CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, P /EIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR L IT.
к	HUNG FROM A W	/EIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 VALL TS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHA RUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND
	TRENCHING AND	
	EXCAVATION NOTES	SOLAR PHOTOVOLTAIC NOTES
J	1. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CALL UNDERGROUND SERVICE ALERT "USA" BEFORE THE COMMENCEMENT OF ANY EXCAVATION. EACH CONTRACTOR SHALL HAVE THEIR OWN USA TICKET NUMBER FOR EACH PROJECT LOCATION AND SHALL NOT RIDE ON ANY OTHER CONTRACTORS TICKET. CONTRACTOR SHALL NOTIFY THE OWNER 72 HOURS	1. ALL SWITCHBOARDS, PANEL BOARDS, INDUSTRIAL CONTROL PANELS 1. 1. ALL SWITCHBOARDS, PANEL BOARDS, INDUSTRIAL CONTROL PANELS 1. 1. ALL SWITCHBOARDS, PANEL BOARDS, INDUSTRIAL CONTROL PANELS 1.
	 PRIOR TO EXCAVATION. 2. THIS CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING NECESSARY FOR THE INSTALLATION OF EQUIPMENT AND MATERIALS. ALL PATCHING SHALL ACCURATELY MATCH THE ADJOINING WORK. 	2. A PERMANENT PLAQUE OR DIRECTORY SHALL BE INSTALLED AT EACH SERVICE DISCONNECTING LOCATION IN COMPLIANCE WITH NEC ARTICLES 225.37 AND 230.2(E).
	3. THIS CONTRACTOR SHALL DO EXCAVATING REQUIRED FOR THE INSTALLATION OF THE WORK. UNDERGROUND LINES OUTSIDE THE BUILDINGS SHALL BE INSTALLED WITH A MINIMUM OF 24" OF COVER, EXCEPT DEPTH OF UTILITY SERVICES SHALL COMPLY WITH RESPECTIVE UTILITY COMPANY REQUIREMENTS.	3. A PERMANENT PLAQUE OR DIRECTORY DENOTING THE LOCATION 3. OF ALL ELECTRIC POWER SOURCE DISCONNECTING MEANS ON OR IN 3. THE PREMISES SHALL BE INSTALLED AT EACH SERVICE EQUIPMENT 1. LOCATION AND AT THE LOCATION(S) OF THE SYSTEM DISCONNECT(S) FOR ALL ELECTRIC POWER PRODUCTION SOURCES CAPABLE OF BEING INTERCONNECTED. THE MARKING SHALL COMPLY WITH 110.21(B). 4.
н	4. BEFORE COMPACTION, MOISTEN OR AERATE EACH LAYER AS NECESSARY TO PROVIDE OPTIMUM MOISTURE CONTENT. COMPACT EACH LAYER TO REQUIRED PERCENTAGE OF MAXIMUM DRY DENSITY OR RELATIVE DRY DENSITY FOR EACH AREA CLASSIFICATION. DO NOT PLACE BACKFILL OR FILL MATERIAL ON SURFACES THAT ARE MUDDY, FROZEN, OR CONTAIN FROST OR ICE.	4. EACH PV SYSTEM DISCONNECTING MEANS SHALL PLAINLY INDICATE WHETHER IN THE OPEN (OFF) OR CLOSED (ON) POSITION AND BE PERMANENTLY MARKED 'PV SYSTEM DISCONNECT OR EQUIVALENT. ADDITIONAL MARKINGS SHALL BE PERMITTED BASED UPON THE SPECIFIC SYSTEM CONFIGURATION. FOR PV SYSTEM DISCONNECTING MEANS WHERE THE LINE AND LOAD TERMINALS MAY BE ENERGIZED
	 5. STRUCTURES, BUILDING SLABS, WALKWAYS, AND STEPS: COMPACT TOP 6" OF SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL AT 95% MAXIMUM RELATIVE COMPACTION. 4. COMPACT TOP 6" OF SUBCRADE MATERIAL AT 95% RELATIVE COMPACTION. 	IN THE OPEN POSITION, THE DEVICE SHALL BE MARKED WITH THE 6. FOLLOWING WORDS OR EQUIVALENT: 7. WARNING 8. ELECTRIC SHOCK HAZARD 8.
G	 COMPACT TOP 6" OF SUBGRADE MATERIAL AT 95% RELATIVE COMPACTION. COMPACT TOP 6" OF SUBGRADE IMMEDIATELY BENEATH THE BASE COURSE AT 95% MINIMUM RELATIVE COMPACTION. 	ELECTRIC SHOCK HAZARD 8 TERMINALS ON THE LINE AND LOAD SIDES 8 MAY BE ENERGIZED IN THE OPEN POSITION 9
	8. ANY SURPLUS EXCAVATION RESULTING FROM THESE EXCAVATIONS SHALL BE HAULED OFF.	5. 690.53 DIRECT-CURRENT PHOTOVOLTAIC POWER SOURCE. A PERMANENT LABEL FOR THE DC PV POWER SOURCE 10
	9. AFTER ALL TRENCHES HAVE BEEN TAMPED IN, RAKE OUT ALL HIGH AND LOW AREAS ALONG THE TRENCH LINE. ALL CLODS AND SOLID ROCKS EXPOSED ON THE SURFACE AS A RESULT OF THE EXCAVATION SHALL BE BROKEN DOWN AND OR CLEANED UP. ALL TRENCH LINES SHALL BE RAKED LEVEL WITH EXISTING GRADE.	SHALL BE PROVIDED BY THE INSTALLER AT DC PV SYSTEM DISCONNECTING MEANS AND AT EACH DC EQUIPMENT DISCONNECTING MEANS REQUIRED BY 690.15. WHERE A DISCONNECTING MEANS HAS MORE THAN ONE DC PV POWER SOURCE, THE VALUES IN 690.53(5.1) THROUGH (5.3) SHALL BE SPECIFIED FOR EACH SOURCE.
F	10. ELECTRICAL CONDUIT SHALL NOT BE RUN IN EXCAVATIONS PROVIDED FOR PLUMBING OR HEATING PIPES, UNLESS SEPARATED BY A MINIMUM OF 12 INCHES.	5.1. MAXIMUM VOLTAGE
	 PATCH ALL TRENCHED AREAS TO MATCH EXISTING. HAND EXCAVATE IN AREAS WHERE TRENCHING IS DIFFICULT DUE TO 	5.1.1. INFORMATIONAL NOTE TO (1): SEE 690.7 FOR VOLTAGE. 5.2. MAXIMUM CIRCUIT CURRENT
	STRUCTURAL OBSTRUCTIONS OR EXISTING UNDERGROUND CONDUIT. 13. THE CONTRACTOR SHALL WALK THE SITE WITH THE OWNER TO IDENTIFY	5.2.1. INFORMATIONAL NOTE TO (2): SEE 690.8(A) FOR CALCULATION OF MAXIMUM CIRCUIT CURRENT.
	 ALL EXISTING CONDUITS AND PIPES. 14. CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A SOILS LAB TO TEST FOR THE COMPACTION OF THE BACKFILL. A SOILS PROFILE SHALL 	5.3. MAXIMUM RATED OUTPUT CURRENT OF THE CHARGE CONTROLLER OR DC-TO-DC CONVERTER (IF INSTALLED).
E	BE DONE OF THE EXCAVATED NATIVE TRENCHED DIRT SO THE COMPACTION TEST CAN BE COMPARED WITH THE NATIVE DIRT PROFILE. THE CONTRACTOR SHALL PROVIDE ALL COMPACTION OF THE TRENCH REQUIRED TO MEET A 95% COMPACTION REQUIREMENT. AN INSPECTED AND SIGNED OFF COMPACTION TESTING REPORT SHALL BE PROVIDED BY THE SOILS TESTING LAB AND COPY OF THE COMPACTION TEST SHALL BE PROVIDED TO THE ENGINEER OF RECORD/PROJECT COORDINATOR PRIOR TO INSTALLING THE HARDSCAPE. THE CONTRACTOR SHALL WILL BE REQUIRED TO PAY FOR ALL TEST UNTIL THE COMPACTION RESULTS MEETS	 6. THE MAXIMUM VALUES FOR THE PV POWER SOURCE CAN BE CALCULATED BY ADDING VOLTAGE RATINGS OF SERIES-CONNECTED MODULES AND ADDING CURRENT RATINGS OF PARALLEL-CONNECTED MODULES OR PV SOURCE CIRCUITS. SOME CHARGE CONTROLLERS HAVE HIGHER-RATED OUTPUT CURRENTS THAN THE INPUT CURRENTS FROM THE PV ARRAY. THEY REDUCE THE INPUT VOLTAGE FROM THE PV ARRAY WHILE INCREASING THE OUTPUT OF THE BATTERY
D	OR EXCEED THE COMPACTION TEST. 15. CONTRACTOR TO CONDUCT GROUND PENETRATING RADAR STUDY AND IT SHALL BE PERFORMED ALONG THE ENTIRE TRENCHING PRIOR TO ANY TRENCHING WORK.	7. 690.54 INTERACTIVE SYSTEM POINT OF INTERCONNECTION. ALL INTERACTIVE SYSTEM(S) POINTS OF INTERCONNECTION WITH OTHER SOURCES SHALL BE MARKED AT AN ACCESSIBLE LOCATION AT THE DISCONNECTING MEANS AS A POWER SOURCE AND WITH THE RATED AC OUTPUT CURRENT AND NOMINAL OPERATING AC VOLTAGE. 2.4
		CONDUCTOR LABELING AND GROUPING NOTES
с		 IDENTIFICATION AND GROUPING. PV SOURCE CIRCUITS AND PV OUTPUT CIRCUITS SHALL NOT BE CONTAINED IN THE SAME RACEWAY, CABLE TRAY, CABLE, OUTLET BOX, JUNCTION BOX, OR SIMILAR FITTING AS CONDUCTORS, FEEDERS, BRANCH CIRCUITS OR OTHER NON-PV SYSTEMS, OR INVERTER OUTPUT CIRCUITS, UNLESS THE CONDUCTORS OF THE DIFFERENT SYSTEMS ARE SEPARATED BY A PARTITION. PV SYSTEM CIRCUIT CONDUCTORS SHALL BE IDENTIFIED AND GROUPED AS REQUIRED BY 690.31(B)(1) THROUGH (2). THE MEANS OF IDENTIFICATION SHALL BE PERMITTED BY SEPARATE COLOR CODING, MARKING TAPE, TAGGING, OR
		APPROVED MEANS. 1. ALTERNATING-CURRENT BRANCH-CIRCUIT CONDUCTORS THAT SUPPLY AN EXTERIOR LUMINAIRE INSTALLED NEAR A ROOF-MOUNTED PV 2
В		2. 1.1. IDENTIFICATION. PV SYSTEM CIRCUIT CONDUCTORS SHALL BE IDENTIFIED AT ALL ACCESSIBLE POINTS OF TERMINATION, CONNECTION, AND SPLICES. THE MEANS OF IDENTIFICATION SHALL BE PERMITTED BY SEPARATE COLOR CODING, MARKING TAPE, TAGGING, OR OTHER APPROVED MEANS. ONLY SOLIDLY GROUNDED PV SYSTEM CIRCUIT CONDUCTORS, IN ACCORDANCE WITH 690.41(A)(5), SHALL BE MARKED IN ACCORDANCE WITH 200.6.
		1.1.1. EXCEPTION: WHERE THE IDENTIFICATION OF THE CONDUCTORS IS EVIDENT BY SPACING OR ARRANGEMENT. FURTHER IDENTIFICATION SHALL NOT BE ACQUIRED.
A		 1.2. GROUPING. WHERE THE CONDUCTORS OF MORE THAN ONE 1.2.1. EXCEPTION: THE REQUIREMENT FOR GROUPING SHALL NOT APPLY IF THE CIRCUIT ENTERS FROM A CABLE FOR RACEWAY UNIQUE TO THE CIRCUIT THAT MAKES THE GROUPING OBVIOUS
	1 2 3	4 5 6





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		n Capacity (Ar	np-Hours)							4.5819		INSTALL THE S
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POWER FAILURE

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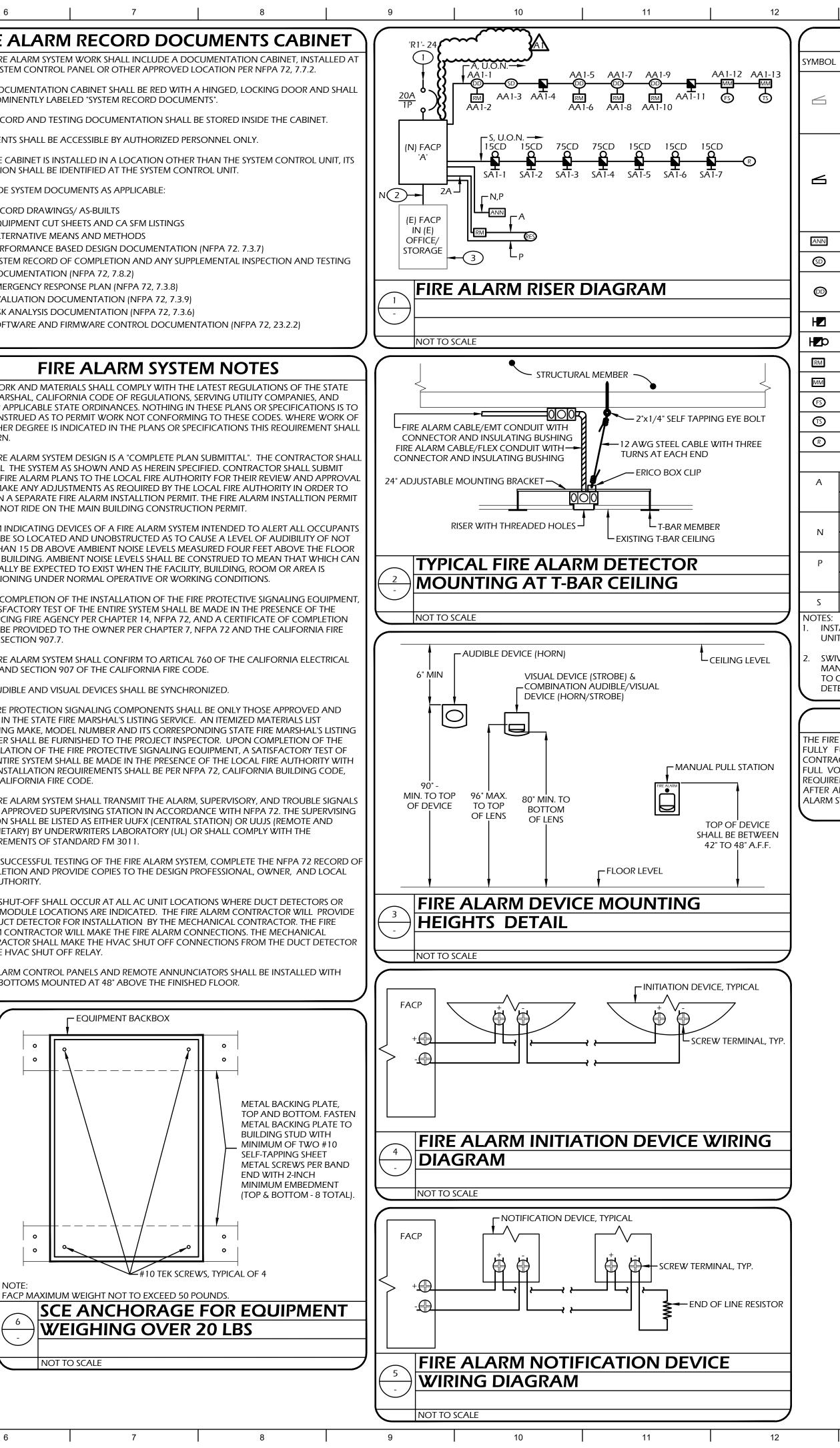
AREA SMOKE DETECTORS

UCT SMOKE DETECTORS

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13	14	15
FIRE ALARI	M SYMBOL LIST	
DEVICE TYPE	MANUFACTURER AND MODEL NUMBER	CSFM LISTING NUMBER
(E) FIRE ALARM PANEL (FACP) NEW NETWORKING CARD NEW MULTIMODE FIBER NETWORK MODULE	GAMEWELL FCI #S3 GAMEWELL FCI #RPT E3-UTP GAMEWELL FCI #FML -E3	7165-1703:0176 7165-1703:0125 7165-1703:0125
FIRE ALARM CONTROL PANEL (FACP) GAMEWELL FCI #S3 MAIN BOARD SLC LOOP POWER SUPPLY LCD DISPLAY NETWORKING CARD MULTIMODE FIBER NETWORK MODULE ENCLOSURE	GAMEWELL FCI #SLP-E3 GAMEWELL FCI #SLC-PM GAMEWELL FCI #FLPS-7 GAMEWELL FCI #LCD-SLP GAMEWELL FCI #RPT-E3-UTP GAMEWELL FCI #FML-E3 GAMEWELL FCI #SLP-RED	7165-1703:0176 7165-1703:0176 7165-1703:0176 7165-1703:0176 7165-1703:0125 7165-1703:0125 7165-1703:0176
REMOTE ANNUNCIATOR ENCLOSURE SMOKE DETECTOR - SPOT TYPE DETECTOR BASE	GAMEWELL FCI #LCD-SLP GAMEWELL FCI #E3BB-FLUSH-LCD GAMEWELL FCI #ASD-PL3	7165-1703:0176 7165-1703:0176 7272-1703:0501
DUCT SMOKE DETECTOR	SYSTEM SENSOR #B300-6 GAMEWELL FCI #LCD-SLP SYSTEM SENSOR #DNR SYSTEM SENSOR #DST1.5 SYSTEM SENSOR #RTS151KEY	7300-1653:0109 7165-1703:0176 3240-1653:0209 3240-1653:0209 7300-1653:0212
MANUAL PULL STATION	NOTIFIER #MS-7AF	7150-1703:0199
MULTI-CANDELA HORN/STROBE - WALL MOUNTED	WHEELOCK #ELHSR	7135-0785:0504
RELAY MODULE	GAMEWELL FCI #AOM-2SF	7300-1703:0102
MONITOR MODULE	GAMEWELL FCI #AMM-2F	7300-1703:0102
FIRE SPRINKLER FLOW SWITCH	POTTER #VSG	7700-0328:0001
FIRE SPRINKLER TAMPER SWITCH	POTTER #OSYSU-1	7700-0328:0010
end of line resistor 3.9KΩ	VARIOUS	
CABLE	LEGEND	
INITIATION CABLE ABOVE GROUND	WEST-PENN #D990	7165-0859:0101
INITIATION CABLE UNDERGROUND	WEST-PENN #AQ225	7161-0859:0101
NETWORK CABLE ABOVE GROUND	TWO WEST-PENN #D990 BELDEN #FI4D006R9R (FIBER)	7161-0859:0101 N/A
NETWORK CABLE UNDERGROUND	TWO WEST-PENN #AQ225 BELDEN #FD4D006R9R (FIBER)	7161-0859:0101 N/A
POWER CABLE ABOVE GROUND	WEST-PENN #998	7165-0859:0101
POWER CABLE UNDERGROUND	WEST-PENN #AQ227	7161-0859:0101
signal cable above ground	WEST-PENN #998	7165-0859:0101

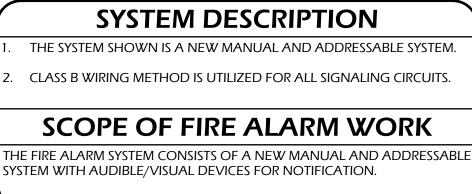
13

INSTALL DUCT DETECTOR AT THE HVAC UNIT. REFER TO THE MECHANICAL PLANS FOR THE UNIT LOCATIONS. COORDINATE WITH MECHANICAL CONTRACTOR.

SWIVEL MOUNTING BRACKET FOR FLAME DETECTOR TO BE INSTALLED BY BESS MANUFACTURER WITHIN THE BATTERY SIDE OF THE ENCLOSURE. FIRE ALARM CONTRACTOR TO COORDINATE WITH BESS CONTRACTOR. FIRE ALARM CONTRACTOR TO INSTALL THE FLAME DETECTOR AND MAKE ALL WIRING CONNECTIONS.

FIRE ALARM PLAN SUBMITTAL NOTE

THE FIRE ALARM PLANS ARE A DEFERRED SUBMITTAL. FIRE ALARM CONTRACTOR SHALL QUOTE A FULLY FUNCTIONAL FIRE ALARM SYSTEM INDICATED IN THESE PLANS . THE FIRE ALARM CONTRACTOR SHALL SUBMIT THEIR SET OF FIRE ALARM PLANS TO THE LOCAL FIRE MARSHAL WITI FULL VOLTAGE DROP, BATTERY CALCULATIONS, CSFM LISTING SHEETS, AND DATA SHEETS AS REQUIRED TO OBTAIN APPROVAL. ANY ADJUSTMENTS NEEDED SHALL BE MADE ACCORDINGLY. AFTER APPROVAL A SEPARATE PERMIT FOR THE FIRE ALARM SYSTEM SHALL BE ISSUED. THE FIRI ALARM SYSTEM PERMIT SHALL NOT RIDE ON THE BUILDING PERMIT.



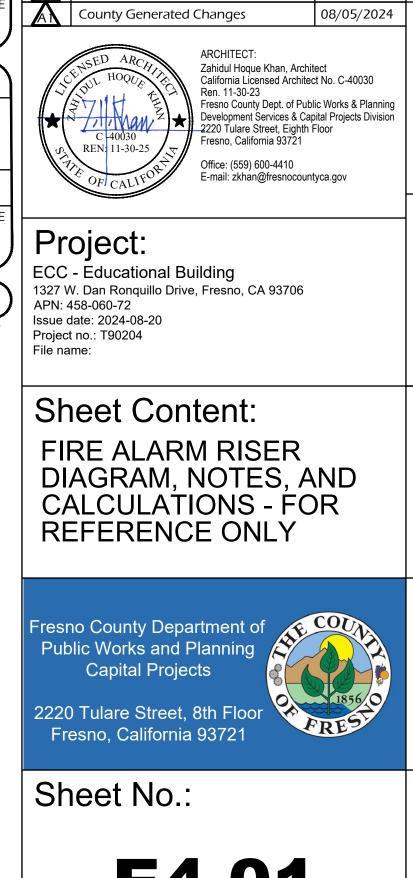
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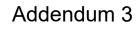
PROVIDE AND INSTALL A CIRCUIT BREAKER COMPLYING WITH NFPA 72 (RED AND WITH MECHANICAL LOCKING DEVICE) FOR EACH DEDICATED CIRCUIT SUPPLYING POWER TO FIRE ALARM DEVICE. THIS CIRCUIT SHALL BE LABELED ON THE INSIDE OF THE RAT DOOR PROVIDED WITH A CIRCUIT LOCK ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY. CIRCUIT DISCONNECTING MEANS SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT." THE CIRCUIT DISCONNECTING MEANS SHALL HAVE A RED MARKING.

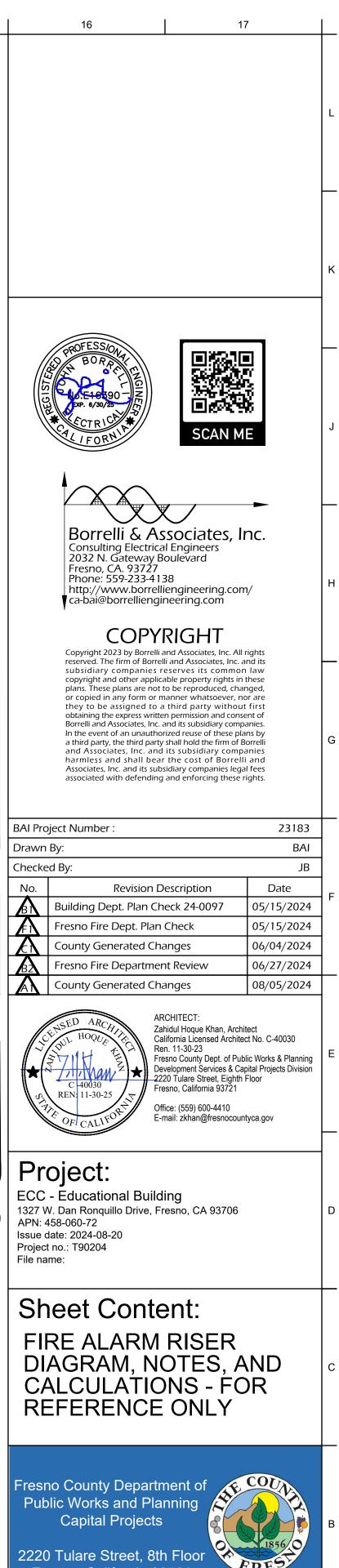
- 2. PROVIDE AND INSTALL FIRE ALARM MULTIMODE FIBER OPTIC CABLE WITHIN NEW AND EXISTING CONDUIT. REFER TO SHEET E2.01.
- 3. PROVIDE AND INSTALL WITHIN THE EXISTING PANEL A NEW NETWORKING CARD AND NEW MULTIMODE FIBER NETWORK MODULE. REFER TO THE FIRE ALARM SYMBOL LIST.

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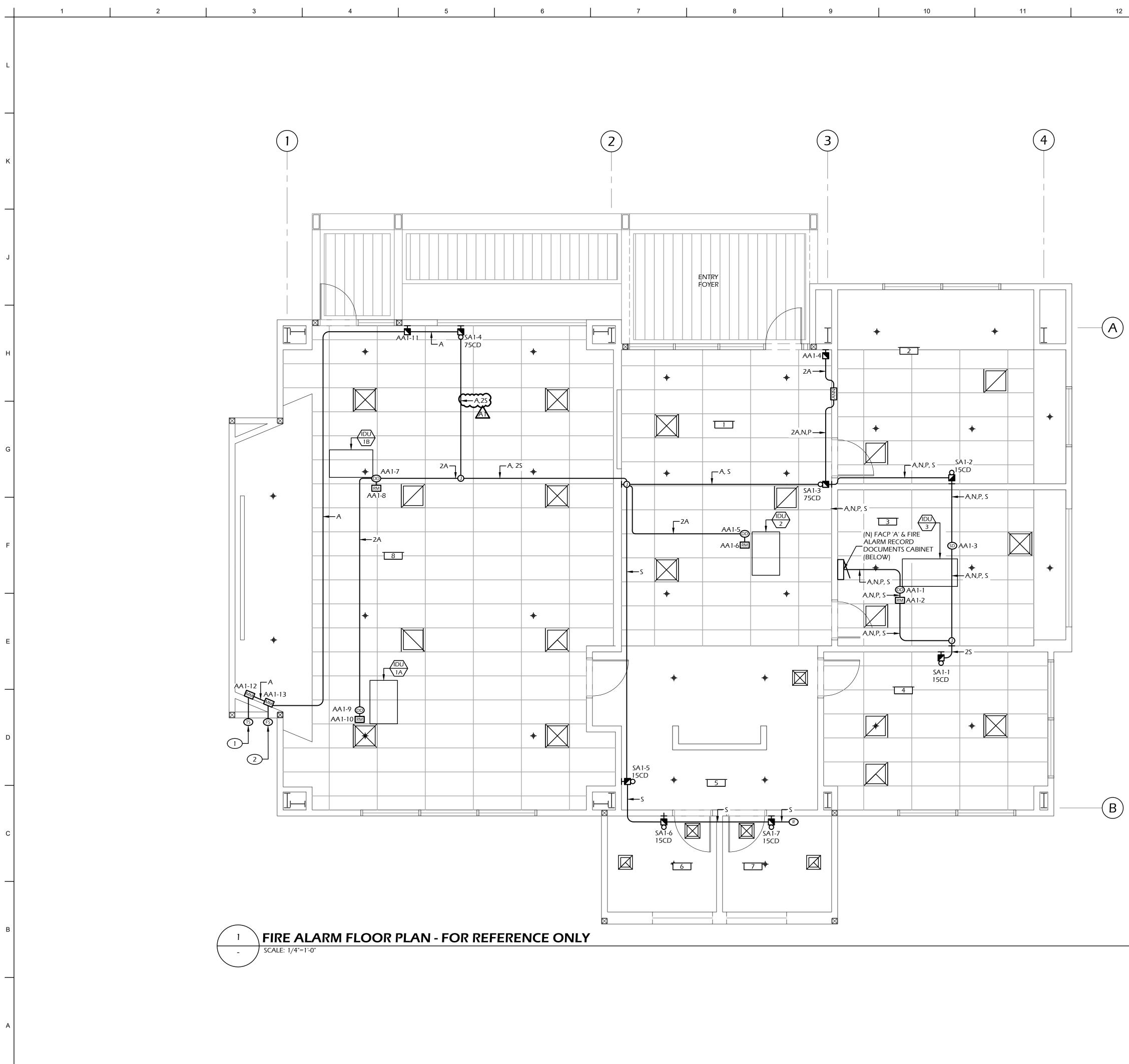


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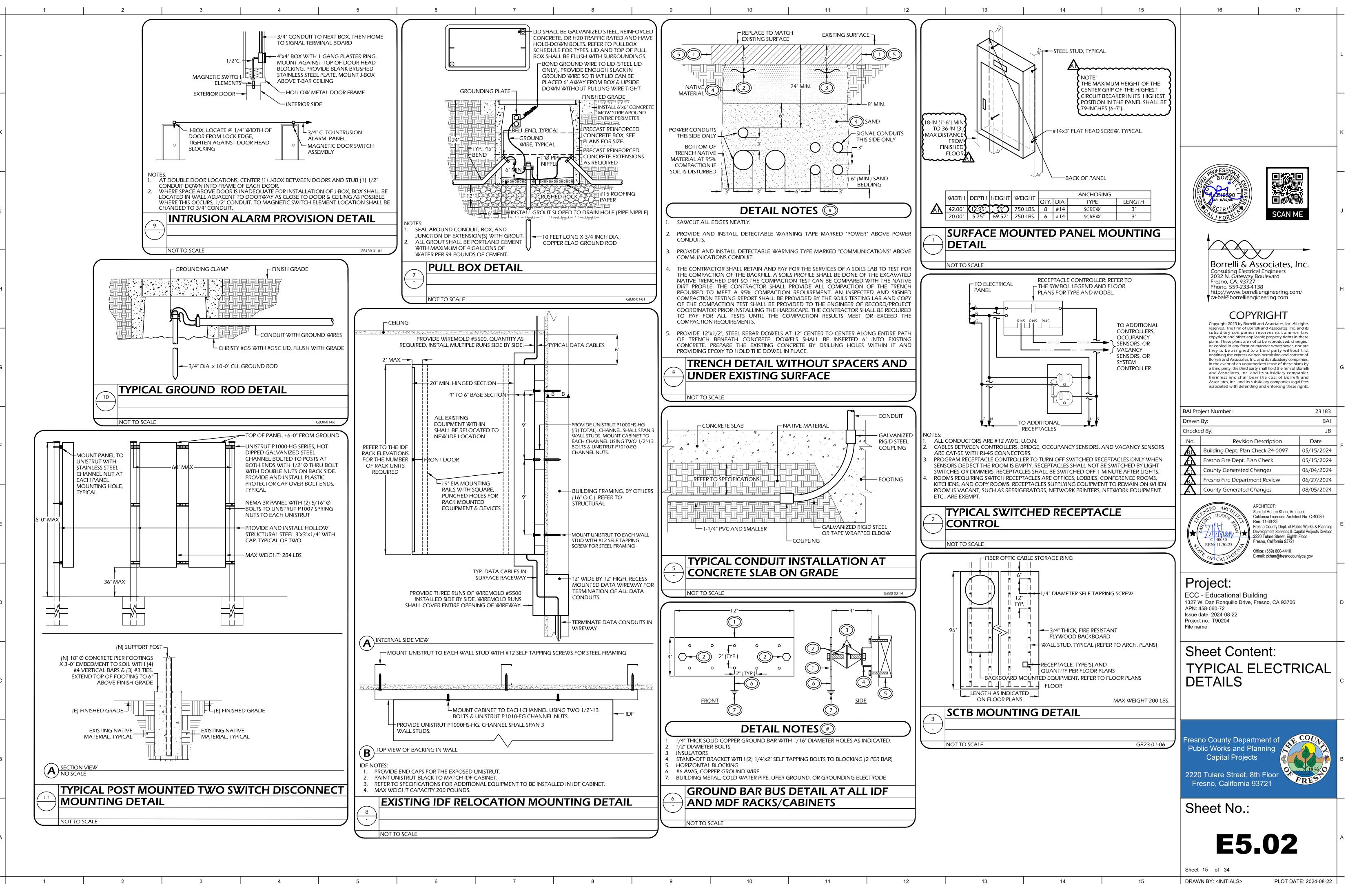
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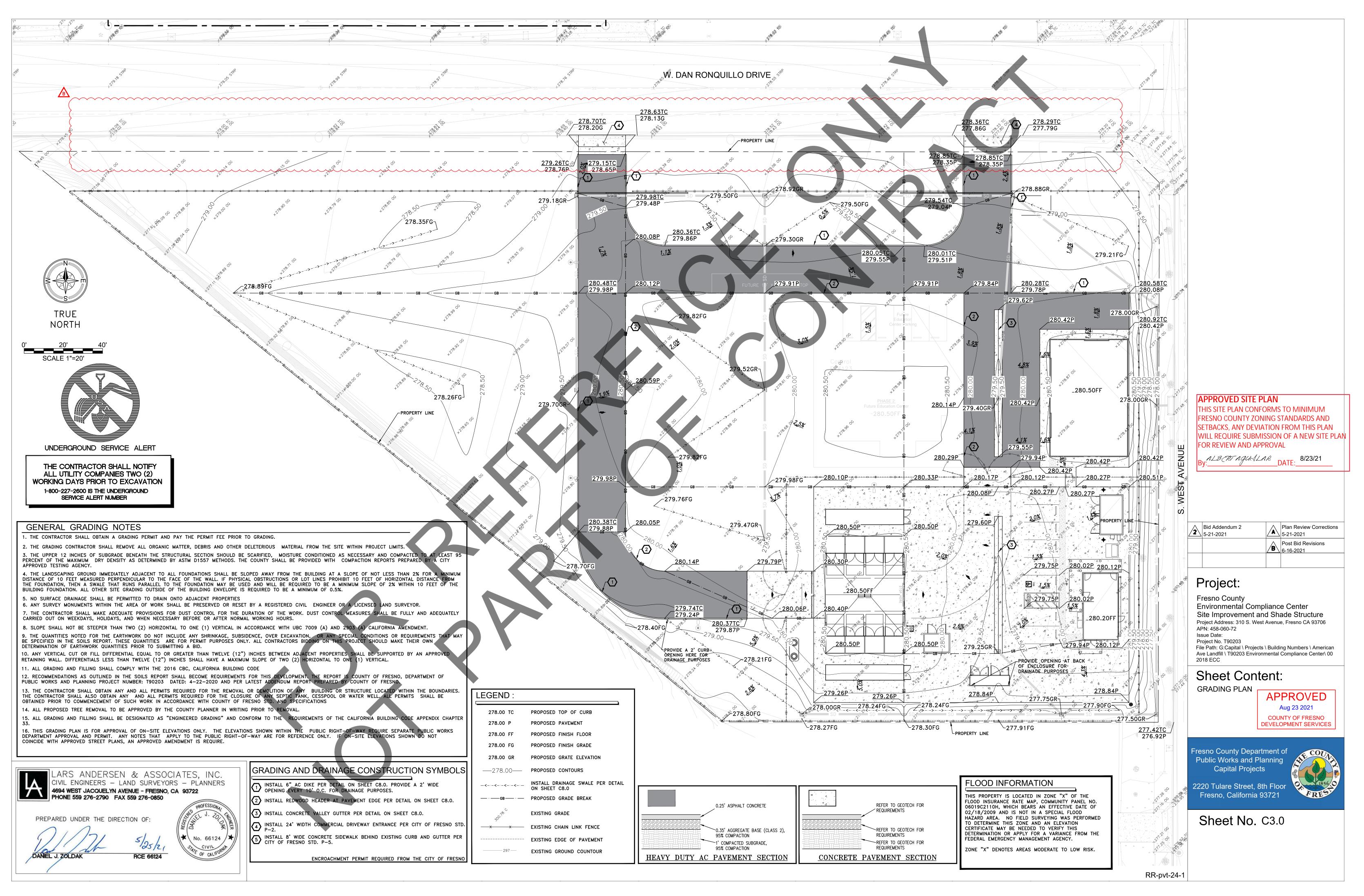
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						Consulting Electrical 2032 N. Gateway Bo Fresno, CA. 93727		
						Phone: 559-233-413 http://www.borrellie ca-bai@borrelliengir	୍ଡ engineering.com าeering.com	n/
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UTILITY NOTES : ALL WATER MAIN INSTALLATION SHALL BE IN ACCORDANCE WITH CITY OF FRESNO STANDARDS AND SPECIFICATIONS, LATEST EDITION AND 2019 CFC, 2019 CBC, & 2019 NFPA-24. MINIMUM DISTANCE BETWEEN SANITARY SEWER AND WATER MAIN SHALL BE TEN FEET HORIZONTALLY. PIPING MATERIAL WITHIN CITY R.O.W TO BE PER FRESNO PUBLIC UTILITY DEPARTMENT SPECIFICATIONS. MARK THE LOCATION OF ALL TEMPORARY UTILITY LINE STUBS WITH 2" X 2" X 12" WOOD STAKES AND FLAGGING AND BERNTSEN "DEEP-1" MAGNET MARKER TAPED TO TOP OF PIPE IF NOT DIRECTLY CONNECTED TO A BUILDING STRUCTURE. PERMANENT UTILITY STUBS LOCATED AT SHALL BE PC 305. PROPERTY LINES FOR FUTURE CONNECTIONS BY OTHERS TO BE MARKED WITH CONCRETE MARKER. ALL UTILITY DISTRIBUTION TRENCH BOXES TO HAVE BOLT DOWN TRAFFIC TO THE CITY. WEIGHT COVERS. MANHOLE COVERS ARE TO BE IDENTIFIED WITH THE RESPECTIVE UTILITY ON TOP (TYPICAL) PER CITY OR UTILITY COMPANY STANDARDS. STARTING TRENCHING. SITE CONTRACTOR IS TO SUPPLY AND INSTALL ALL MATERIAL AND

- 15. CONTRACTOR SHALL OBTAIN ENCROACHMENT PERMIT PRIOR TO START OF WORK FOR ANY WORK IN THE CITY RIGHT-OF-WAY.
- 16. CONTRACTOR TO POTHOLE AT TIE-IN POINTS PRIOR TO TRENCHING. VERIFY DEPTH OF EXISTING MAINS AND NOTIFY ENGINEER AND CITY OF FRESNO WATER DISTRICT WHERE VERTICAL TAP MAY BE REQUIRED.
- 17. SEWER AND WATER MATERIALS AND FACILITIES SHALL ALSO BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE, 2019 EDITION OR MOST UP TO DATE EDITION.
- 18. ONSITE WATER LINE PIPE 4" AND LARGER SHALL MEET THE REQUIREMENT OF AWWA C-900 AND SHALL BE PC 305. WATER 3" AND SMALLER SHALL BE SCHEDULE 40 PVC. FIRE SERVICE LINES BEYOND THE CHECK VALVE
- 19. ALL ON-SITE WATER PIPE 4" AND LARGER SHALL BE CHLORINATED AND TESTED BY AN APPROVED TESTING AGENCY AND THE RESULTS SUBMITTED
- 20. NOTIFY U.S.A. AT 811 AT LEAST TWO WORKING DAYS PRIOR TO
- 21. PRESSURE TESTING THE FIRE PIPING SYSTEM AGAINST THE DETECTOR CHECK VALVE IS PROHIBITED. CONTRACTOR SHALL PROVIDE A TEMPORARY CAP OR BLIND FLANGE FOR TESTING PURPOSES.
- 22. CONTRACTOR TO PROVIDE 2 HOUR @200PSI HYDROSTATIC PRESSURE TEST. CONTRACTOR TO NOTIFY FIRE DEPARTMENT OF JOINTS AND FITTINGS BEFORE TRENCHES ARE BACKFILLED.
- 23. CONTRACTOR TO FLUSH UNDERGROUND FIRE SYSTEM PRIOR TO CONNECTION TO FIRE SPRINKLER SYSTEM.
- 24. CONTRACTOR TO COORDINATE WITH CITY OF FRESNO WATER DISTRICT AND
- PUBLIC WORKS DEPARTMENT FOR UTILITY WORK IN CITY'S RIGHT OF WAY ON WHAT WORK SHALL BE DONE PER UTILITY COMPANIES FORCES. 25. ALL BACK FLOW PREVENTORS (BFPs) SHALL HAVE SECURITY CAGES,
- PAINTED GREEN
- 26. PRIVATE HYDRANTS SHALL BE PAINTED SILVER WITH WEATHER RESISTANT PAINT PER FIRE DEPARTMENTS REQUIREMENTS. ENTIRE HYDRANT SHALL BE PAINTED.
- 27. INSTALL MINIMUM 18 GAUGE BLUE INSULATED TRACE WIRE FOR THE FIRE SERVICE PIPE.

WATER CONSTRUCTION NOTES

FOR ANY CHANGES ON UTILITY TIE-IN LOCATIONS.

LABOR FOR THE UTILITIES.

SPECIFICATIONS D-3034-SDR 26.

STRINGENT.

A.W.W.A. TESTER.

INSTALL 2 "WATER SERVICE WITH 2 1/2" REDUCED PRESSURE BACKFLOW ASSEMBLY, METER AND METER BOX, PER CITY STANDARDS W-1 AND W-11. PLACE PERMANENT TAG OR LABEL INDICATING THE BUILDING OR SUITE SERVED INSTALL 3 "WATER SERVICE WITH 3" REDUCED PRESSURE BACKFLOW ASSEMBLY, METER AND METER BOX, PER CITY STANDARDS W-1 AND W-11. PLACE PERMANENT TAG OR LABEL INDICATING THE BUILDING OR SUITE SERVED

INSTALL 1.5 " IRRIGATION SERVICE WITH 1.5" REDUCED PRESSURE BACKFLOW ASSEMBLY, METER AND METER BOX, PER CITY STANDARDS W-1 AND W-11.

4 STUB TO BUILDING, IF BUILDING STUB IS NOT READY, INSTALL TEMPORARY WATER CAP AT PIPE END.

FIRE SYSTEM CONSTRUCTION NOTES

INSTALL FIRE HYDRANT SERVICE ASSEMBLY PER CITY STANDARD DRAWING W-3.

CONTRACTOR TO PROVIDE A 30" MINIMUM COVER FOR WATER PIPES LESS

THAN 12"Ø AND 36" MINIMUM COVER FOR PIPES LARGER THAN 12"Ø OR

AS NOTED PER MANUFACTURES SPECIFICATIONS WHICHEVER IS MORE

ALL ONSITE SANITARY SEWER P.V.C. PIPE SHALL CONFORM TO ASTM

10. RESPECTIVE BUILDING CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL UTILITY CONNECTION ON ALL BUILDING UTILITY STUBS. IN THE CASE THE

BUILDING UTILITY STUBS HAVE BEEN INSTALLED FIRST, THE CONTRACTOR

CONTRACTOR, SUBDIVIDER AND SURVEYOR SHALL REVIEW BUILDING PLANS

THRUST BLOCK SHALL BE INSTALLED WHERE PIPE DEFLECTIONS EXCEED 4 DEGREES PER COUPLING/FITTINGS, AS SPECIFIED BY PIPE MANUFACTURER.

SHALL COORDINATE THE CONNECTION WITH THE BUILDING CONTRACTOR.

BACKFLOW PREVENTION ASSEMBLY SHALL BE TESTED BY A QUALIFIED

12. NO MATERIAL GREATER THAN 4" IN ANY DIMENSION SHALL BE PLACED

WITHIN ONE FOOT OF ANY PIPE, MANHOLE OR STRUCTURE.

INSTALL 8" FIRE SERVICE TO BUILDING AND FIRE HYDRANT WITH DETECTOR CHECK PER CITY STANDARDS W-16, W-17 AND W-18. TRANSITION PIECE SHALL BE DUCTILE IRON OF A UL/FM LISTED STAINLESS STEEL TRANSITION PIECE ABOVE GROUND. INSTALL POST INDICATOR VALVE (PIV) AND FIRE DEPARTMENT CONNECTION (FDC) PER DETAIL 1603 ON SHEET C8.0. PROVIDE 6 BOLLARD POST AROUND FDC AND PIV PER CITY STANDARD DRAWING W-22

STUB SERVICE LATERAL 6" ABOVE FINISH GRADE/FLOOR. IF BUILDING STUB IS NOT READY, INSTALL TEMPORARY FIRE MAIN CAP AT PIPE END. PROVIDE 2 BOLLARD POST AROUND RISER FOR SHADE STRUCTURE FIRE SERVICE PER CITY STANDARD DRAWING W-2

5 INSTALL FIRE HYDRANT WITH 4 BOLLARD POST AROUND HYDRANT PER CITY STANDARD DRAWING W-22. (6) INSTALL GATE VALVE PER CITY STANDARD DRAWING W-3.

SEWER CONSTRUCTIONS NOTES

(1) INSTALL 4" SEWER LATERAL TO BUILDING PER CITY OF FRESNO STANDARD S-1

INSTALL SDR-26 PVC SANITARY SEWER SERVICE PER CITY OF FRESNO STANDARD AND SPECIFICATIONS SIZE AND SLOPE AS SHOWN ON PLAN.

3 stub service lateral 5' from building. If building stub is not ready, install temporary sewer cap at pipe end.

STORM DRAIN CONSTRUCTIONS NOTES

O CONNECT TO EXISTING STORM DRAIN INLET. CUT HOLE WITH CHIPPING GUN, PLACE 9" CONCRETE MORTAR RING AROUND CIRCUMFERENCE OF LATERAL LINE. SMOOTH INTERIOR CONNECTION AS REQUIRED BY

INSPECTOR. 2 INSTALL SDR-26 GRAVITY STORM SEWER PIPE PER ASTM F-679. SIZE AS NOTED ON PLANS.

(3) INSTALL CATCH BASIN TYPE E INLET PER FMFCD STANDARD DWG. A-5.

ANIEL J. ZOLDAK

ARS ANDERSEN & ASSOCIATES, INC. CIVIL ENGINEERS - LAND SURVEYORS - PLANNERS 4694 WEST JACQUELYN AVENUE - FRESNO, CA 93722 PHONE 559 276-2790 FAX 559 276-0850

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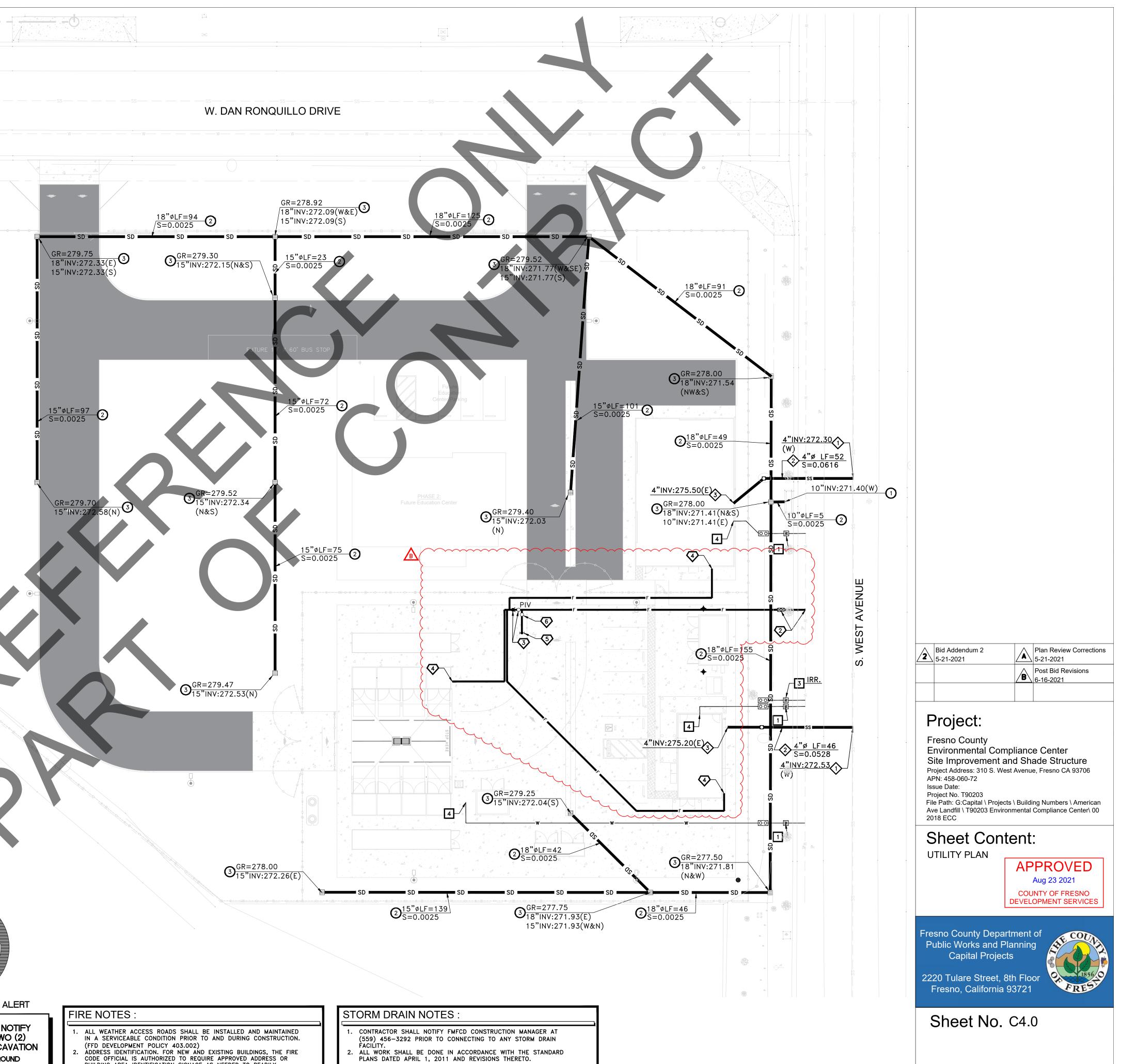


UNDERGROUND SERVICE ALERT

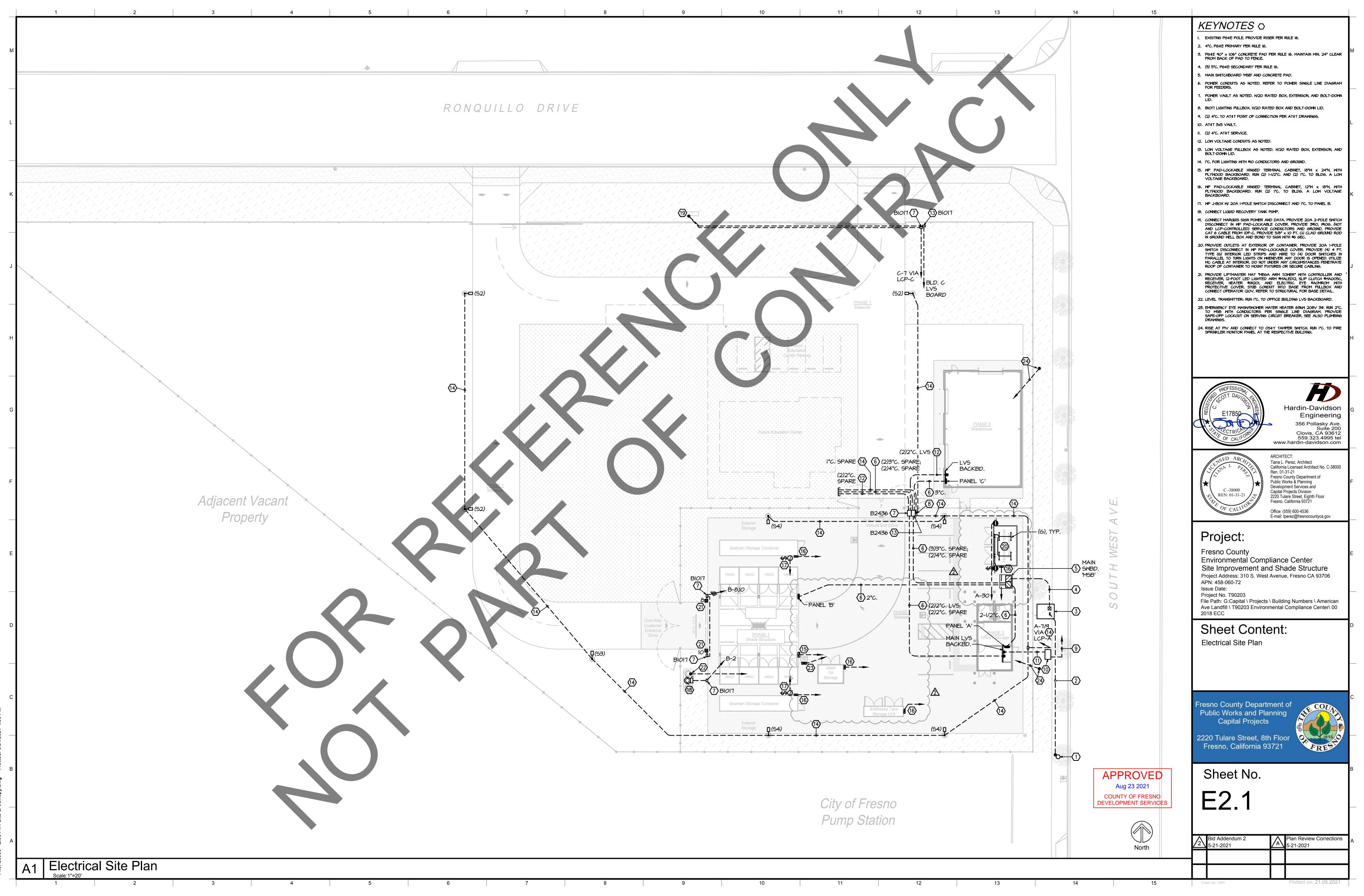
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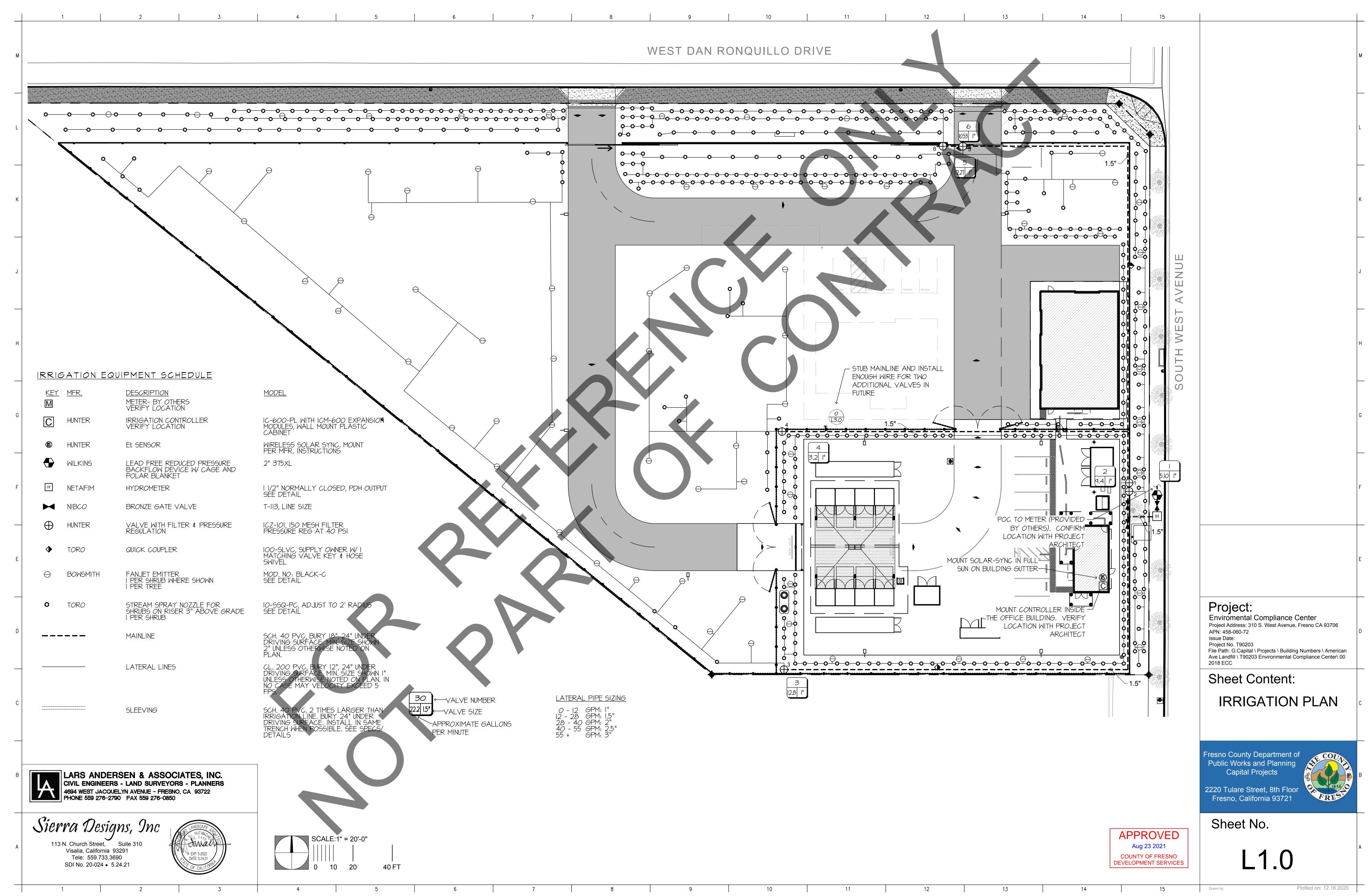
THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES TWO (2) WORKING DAYS PRIOR TO EXCAVATION 1-800-227-2600 IS THE UNDERGROUND SERVICE ALERT NUMBER



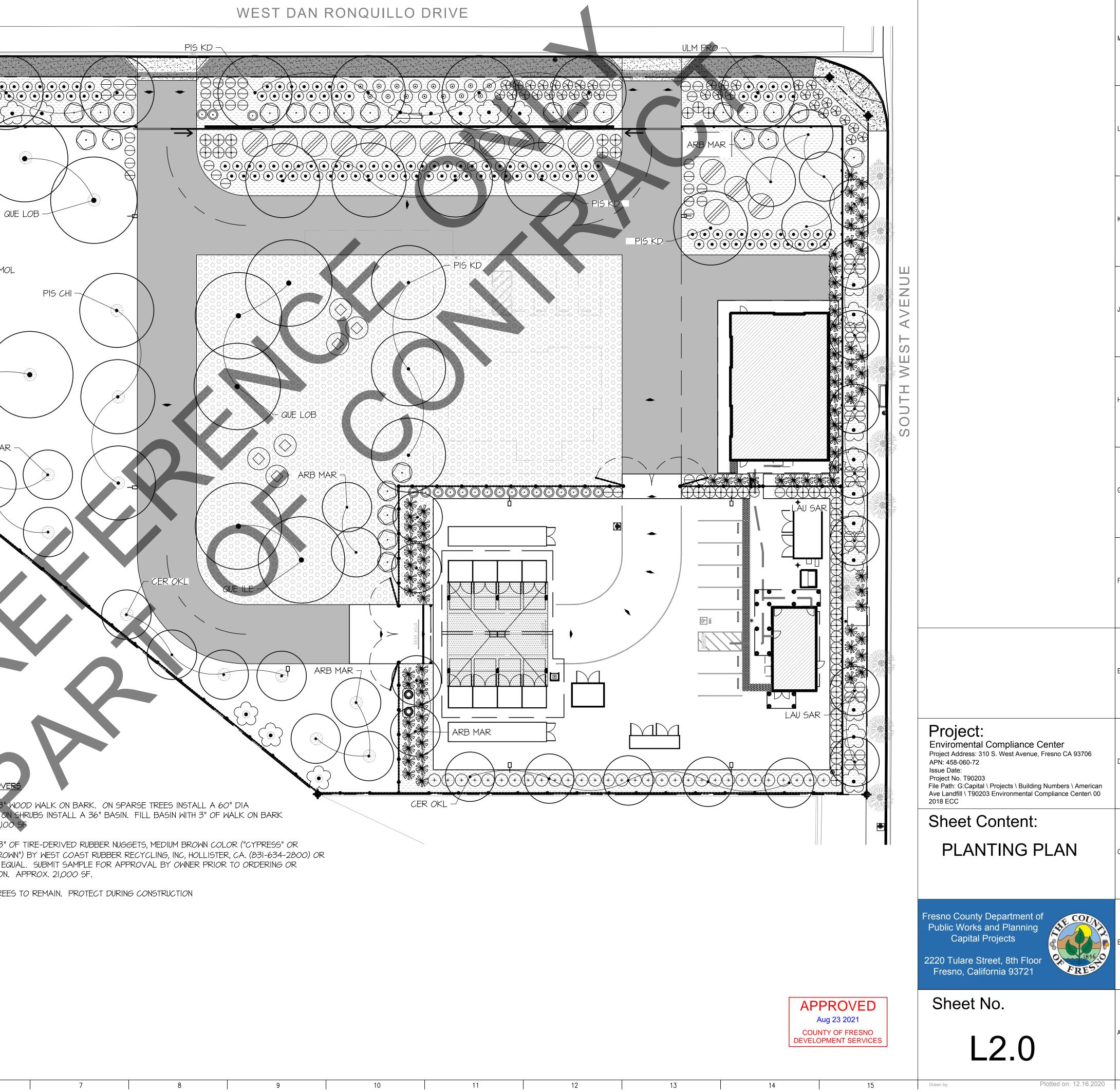
- BUILDING AREA IDENTIFICATION SIGNAGE AS NEEDED TO READILY DETERMINE THE BUILDING OR AREA OF A BUILDING PROTECTED BY FIRE DEPARTMENT CONNECTIONS. FMC SECTION 10-50912.2.3



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E	•	TORO	QUICK COUPLER		100-SLVC, SUPPLY OWNER MATCHING VALVE KEY & H SWIVEL	W/ I HOSE	
	θ	BOWSMITH	FANJET EMITTER I PER SHRUB WHERI I PER TREE	E SHOWN	MOD. NO: BLACK-C SEE DETAIL		
	0	TORO	STREAM SPRAY NO SHRUBS ON RISER I PER SHRUB	DZZLE FOR 3" ABOVE GRADE	IO-SSQ-PC, ADJUST TO 2' SEE DETAIL	RADIUS	
D			MAINLINE		SCH. 40 PVC, BURY 18", 24 DRIVING SURFACE, MIN. SI 2" UNLESS OTHERWISE NOT	4" UNDER ZE SHOWN TED ON	
			LATERAL LINES		PLAN. CL. 200 PVC, BURY 12", 24 DRIVING SURFACE, MIN. 51, UNLESS OTHERWISE NOTED NO CASE MAY VELOCITY 1 FPS.		
С			SLEEVING		SCH. 40 PVC, 2 TIMES LAF IRRIGATION LINE. BURY 24 DRIVING SURFACE. INSTAL TRENCH WHEN POSSIBLE. S DETAILS	RGER THAN H" UNDER LL IN SAME	30 22 15 ← VALVE N → VALVE S → APPROXIMAT
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3" OF TIRE-DERIVED RUBBER NUGGETS, MEDIUM BROWN COLOR ("CYPRESS" OR EQUAL. SUBMIT SAMPLE FOR APPROVAL BY OWNER PRIOR TO ORDERING OR