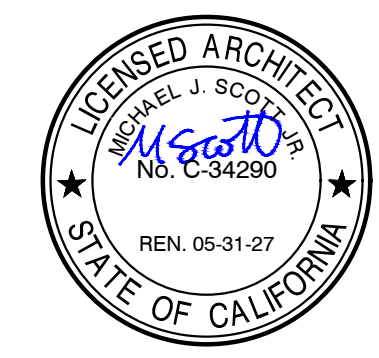




DATE: MARCH 31, 2026

NEW SNACK BAR/ ATHLETIC STORAGE BLDG. AT THREE RIVERS UNION ELEMENTARY SCHOOL

41932 SIERRA DR, THREE RIVERS, CA 93271

THREE RIVERS UNION SCHOOL DISTRICT

41932 SIERRA DR, THREE RIVERS, CA 93271

PROJECT TRACKING NUMBER: 72207-6

NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL

41932 SIERRA DR., THREE RIVERS, CA 93271

THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

ABBREVIATIONS

ABBREVIATIONS WHEN USED IN THESE DOCUMENTS SHALL CONFORM TO THE FOLLOWING LIST UNLESS OTHERWISE NOTED. INDIVIDUAL DRAWINGS (SUCH AS CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL) MAY CONTAIN SPECIFIC REFERENCES AND LEGENDS WITH INTERPRETATIONS INTENDED ONLY FOR THOSE DRAWINGS.

&	AND	F.O.C.	FACE OF CONCRETE	PREFIN.	PREFINISHED
L.	ANGLE	F.O.F.	FACE OF FINISH	PROJ.	PROJECT
AT	AT	F.O.M.	FACE OF MASONRY	PT.	POINT
C	CENTERLINE	F.O.P.	FACE OF PLYWOOD	P.T.	PAPER TOWEL DISPENSER
D	DIAMETER	F.O.S.	FACE OF STUDS		
#	POUND OR NUMBER	F.R.P.	FIBER REINFORCED PANEL	Q.T.	QUARRY TILE
(E)	EXISTING	F.R.T.	FIRE RETARDANT TREATED		
(N)	NEW	FT.	FOOT OR FEET	R.	RADIUS
		FTG.	FOOTING	R.A.	RETURN AIR
		FUT.	FUTURE	R.B.	RUBBER BASE

A.B.	ANCHOR BOLT	G.	GAGE	REFR.	REFRIGERATOR
A/C	AIR CONDITIONING	GALV.	GALVANIZED	REIN.	REINFORCED
ACUST.	ACOUSTICAL	G.B.	GRAB BAR	REQ.	REQUIRED
ADI.	ADJUSTABLE	G.I.	GALVANIZED IRON	RESUL.	RESULANT
AGG.	AGGREGATE	GND.	GROUND	RM.	ROOM
ALUM.	ALUMINUM	GR.	GRADE	R.O.	ROUGH OPENING
ALT.	ALTERNATE	GTP.	GYPSON	R.O.W.	RIGHT-OF-WAY
APPROX.	APPROXIMATE	H.B.	HOSE BIB	R.O.W.	ROUGH
ARCH.	ARCHITECTURAL (OR ARCHITECT)	H.D.	HEAD	R.O.W.	REDWOOD
AUTO.	AUTOMATIC	H.D.	HEAD	R.O.W.	RAIN WATER LEADER

BEL.	BELOW	H.D.	HEAD	S.	SOUTH
BET./BTWN.	BETWEEN	HGT./HT.	HEIGHT	S.A.	SUPPLY AIR
BD.	BOARD	H.M.	HOLLOW METAL	S.C.	SOLID CORE
BLDG.	BUILDING	HORIZ.	HORIZONTAL	SCHED.	SCHEDULE
BLK./BLKG.	BLOCKING	HR.	HOUR	S.D.	STORM DRAIN OR
BM.	BEAM	H.V.A.C.	HEATING VENTILATING, AND AIR CONDITIONING	S.ECT.	SECTION
B.O.	BOTTOM OF	I.D.	INSIDE DIAMETER	S.F.	SQUARE FOOT (FEET)
BUT./BTM.	BOTTOM	IN.	INCHES	SH.	SHIELF
B.U.R.	BUILT-UP ROOF	INCL.	INCLUDING, INCLUDES	SHR./SHWR.	SHOWER
		INSUL.	INSULATION	SHT.	SHEET
CAB.	CABINET	INT.	INTERIOR	SHTG.	SHEATHING
C.I.	CAST IRON	INV.	INVERT	SIM.	SIMILAR
C.J.	CONTROL JOINT	JAN.	JANITOR	S.M.S.	SHEET METAL SCREW
C.S.	CEILING	J.B.	JAMB	S.N.D.	SANITARY NAPKIN DISPOSAL
CLR.	CLEAR	J.T.	JOINT	S.N.V.	SANITARY NAPKIN VENDOR
CNTR.	COUNTER	JST	JOIST	S.O.V.	SHUT OFF VALVE
C.C.	C.M.U.	K.	KITCHEN	SPEC.	SPECIFICATIONS
C.M.U.	CONCRETE MASONRY UNIT	L.	LONG	SQ.	SQUARE
CNC.	CONCRETE	L.	LONG	ST/STL.	STAINLESS STEEL
CONN.	CONNECTION	L.	LONG	S.S.	SERVICE SINK
CONSTR.	CONSTRUCTION	L.	LONG	STA.	STAY TAPPING
CONT.	CONTINUOUS	L.	LONG	STD.	STANDARD
CONTR.	CONTRACTOR	L.	LONG	STL.	STEEL
CORR.	CORRIDOR	L.	LONG	STOR.	STORAGE
CTR.	CENTER	L.	LONG	STRUC.	STRUCTURAL
CTSK.	COUNTERSINK	L.	LONG	SUP.	SUSPENDED
C.Y.	CUBIC YARD	L.	LONG	SUP.	SUSPENDED

DBL.	DOUBLE	MAX.	MAXIMUM	S.V.	SHEET VINYL
DEPT.	DEPARTMENT	M.B.	MACHINE BOLT	S.Y.	SQUARE YARD
DET.	DETAIL	MATL.	MATERIAL	SYM.	SYMMETRICAL
D.F.	DRINKING FOUNTAIN	MCH.	MECHANICAL	T.C.	TERMINAL CABINET
DIA.	DROP INLET	MET./MTL.	METAL	TEL.	TELEPHONE
D.I.	DIAMETER	MFR.	MANUFACTURER	TEMP.	TEMPERED
DAS.	DIAGONAL	MH.	MANHOLE	T&G	TONGUE AND GROOVE
DIM.	DIMENSION	MIN.	MINIMUM	THK.	THICK
DISP.	DISPENSER	MISC.	MISCELLANEOUS	T.P.	TOWEL PAPER DISPENSER
DN.	DOWN	M.O.	MASONRY OPENING	T.O.M.	TOP OF MASONRY
DP.	DEEP	MOD.	MODULE, MODULAR	T.P.L.	TOP OF PLATE
DR.	DOOR	MTD.	MOUNTED	T.O.S.	TOP OF STEEL
DS.	DOWNPOUT	MUL.	MULLION	TREAD	TREAD
DW.	DOMESTIC WATER	N.	NORTH	T.S.C.	TILE SEAT COVER DISPENSER
DWG.	DRAWING	N.L.C.	NOT IN CONTRACT	T.V.	TELEVISION
DRAWER	DRAWER	N.L.C.	NOT IN CONTRACT	T.W.	TOP OF WALL

E.	EAST	N.O.	NUMBER	UNF.	UNFINISHED
EA.	EACH	NOM.	NOMINAL	U.O.N.	UNLESS OTHERWISE NOTED
E.I.	EXPANSION JOINT	N.T.S.	NOT TO SCALE	UR.	URINAL
ELEV.	ELEVATION				
ELEC.	ELECTRICAL				
EMBED.	EMBEDMENT				
ENCL.	ENCLOSURE				
ENGR.	ENGINEER				
EQ.	EQUAL				
FOUNDATION	FOUNDATION				
F.E.	FIRE EXTINGUISHER				
F.F.C.	FIRE EXTINGUISHER AND CABINET				
F.F.S.	FIRST FLOOR ELEVATION				
F.H.C.	FIRE HOSE CABINET				
F.H.M.S.	FLAT HEAD MACHINE SCREW				
F.H.W.S.	FLAT HEAD WOOD SCREW				
FIN.	FINISH				
FLSHG.	FLASHING				

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ROSE SING EASTHAM & ASSOCIATES
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PROJECT SCOPE

- CONSTRUCTION OF NEW SNACK BAR/ATHLETIC STORAGE BUILDING "F" AND RELATED ON-SITE DEVELOPMENT.
- ALTERATION TO CLASSROOM BUILDING "A" & ADMIN. BUILDING "B"

APPLICABLE CODES

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND THE FOLLOWING REGULATIONS:

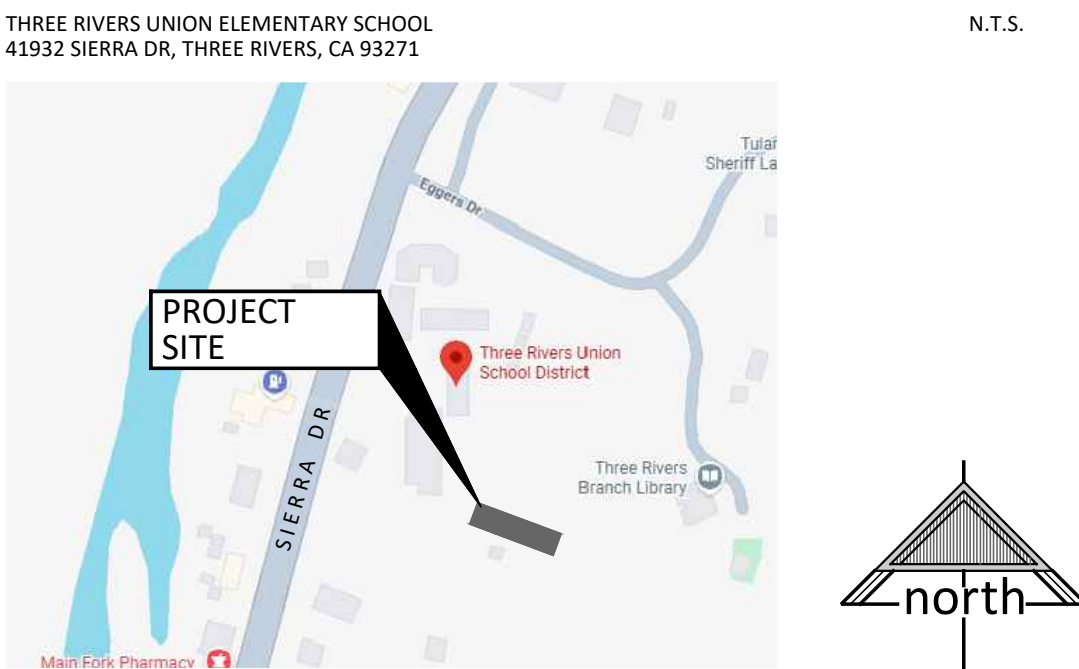
- 2025 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 CCR.
- 2025 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR.
- 2025 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR.
- 2025 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 CCR.
- 2025 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR.
- 2025 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR.
- 2025 CALIFORNIA FIRE CODE, PART 7, TITLE 24 CCR.
- 2025 CALIFORNIA WILDLAND-URBAN INTERFACE CODE, PART 7, TITLE 24 CCR.
- 2025 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR.
- 2025 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 CCR.
- TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
- 2025 NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE, (CA AMENDED)
- 2025 NFPA 80 STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES.
- 2025 NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, (CA AMENDED)
- 2025 NFPA 17A STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS.
- 2024 NFPA 14 STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS, (CA AMENDED)
- 2025 NFPA 20 STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION.
- 2025 NFPA 24 STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES, (CA AMENDED)
- 2022 NFPA 2001 STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, (CA AMENDED)

REFERENCE CODE SECTION FOR NFPA STANDARDS - 2025 CBC (SFM) CHAPTER 35. SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

SYMBOL LEGEND

DOOR NUMBER		KEYNOTE	
FRAME TYPE		FINISH MATERIAL	
WALL ASSEMBLY			
ELEVATION NUMBER		DETAIL NUMBER	
INTERIOR ELEVATION SHEET NUMBER		SHEET NUMBER	
BLDG. SECTION NUMBER			
SHEET NUMBER			

VICINITY MAP



DEFERRED APPROVALS

INSTALLATION OF DEFERRED APPROVAL ITEMS SHALL NOT BE STARTED UNTIL THE CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT.

- NONE

GENERAL NOTES

- CUTTING, BORING, SAW CUTTING, OR DRILLING THROUGH NEW OR EXISTING STRUCTURAL MEMBERS WILL BE PERMITTED ONLY WHERE INDICATED ON THE DRAWINGS, OR WHEN ACCEPTED BY THE ARCHITECT WITH THE APPROVAL OF DSA REPRESENTATIVE. CONTRACTOR TO PROVIDE ALL DEMOLITION AND REPLACEMENT OF HARDSCAPE/TURF IN KIND AS REQUIRED FOR INSTALLATION AND/OR DEMOLITION OF SITE UTILITIES WHERE THEY OCCUR BELOW EXISTING HARDSCAPE/TURF.
- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGED DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
- A "DSA CERTIFIED" CLASS 1 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
- A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS, AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317 (c), PART 1, TITLE 24, CCR).
- THE DRAWINGS AND SPECIFICATIONS ARE BASED ON LIMITED FIELD INVESTIGATION. CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS PRIOR TO THE BID NECESSARY TO ACCOMPLISH THE WORK WHETHER SPECIFICALLY INDICATED OR NOT.
- THE STORAGE OF MATERIAL AND EFFECTS OF WORK SHALL BE APPROVED BY LOCAL FIRE AUTHORITY. COMPLY WITH CALIF. FIRE CODE CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION. COMPLY WITH CBC CHAPTER 33, SAFETY DURING CONSTRUCTION.
- THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE. LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT). MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021. ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ ARCHITECT OF RECORD OF THE OWNER'S AGENT. A LISTING OF CERTIFIED ATT CAN BE FOUND AT: <https://www.energy.ca.gov/programs-and-topics/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance>. THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA. PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.
- NEW BUILDINGS SHALL BE PROVIDED WITH EMERGENCY RESPONDER RADIO COVERAGE IN ACCORDANCE WITH CALIFORNIA FIRE CODE SECTION 510. THE PROJECT ARCHITECT (AOR) SHALL CONTACT THE LOCAL FIRE DEPARTMENT AND/OR EMERGENCY COMMUNICATIONS AUTHORITY TO OBTAIN DESIGN, EQUIPMENT SPECIFICATIONS, TESTING AND ACCEPTANCE CRITERIA, PLANS AND REQUESTED DOCUMENTATION SHALL BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL. UPON COMPLETION, COPIES OF THE APPROVED PLANS, EQUIPMENT DATA SHEETS, TESTING AND ACCEPTANCE DOCUMENTATION SHALL BE PROVIDED TO THE SCHOOL DISTRICT.

SHEET INDEX

(60 SHEETS TOTAL)

GENERAL INFORMATION

G1 COVER SHEET, SHEET INDEX, VICINITY MAP
FC1 FIRE CODE SITE PLAN

CIVIL

C0.1 CIVIL COVER SHEET
C1.1 PARTIAL TOPOGRAPHIC SURVEY
C1.2 PARTIAL TOPOGRAPHIC SURVEY
C3.1 OVERALL GRADING PLAN
C3.2 ENLARGED GRADING AND DRAINAGE PLANS
C4.1 STORM DRAIN PLAN
C7.1 CIVIL DETAILS

SITE DEVELOPMENT

SD1 OVERALL SITE PLAN
SD2 ENLARGED DEMO SITE PLAN
SD3 ENLARGED SITE PLAN
SD4 ENLARGED SITE PLAN, SITE DETAILS
SD5 SITE DETAILS

ARCHITECTURAL

A1 FLOOR PLAN
A2 EXTERIOR ELEVATIONS
A3 REFLECTED CEILING PLAN, ROOF PLAN
A4 SECTIONS
A5 AIR BARRIER SECTIONS
A6 INTERIOR ELEVATIONS
A7 WALL ASSEMBLIES
A8 DOOR SCHEDULE, FINISH SCHEDULE & FRAME TYPES
A9 FRAME DETAILS
A10 TYPICAL DETAILS
A11 WALL DETAILS
A12 DETAILS

STRUCTURAL

SO.1 STRUCTURAL NOTES
SO.2 TYPICAL STRUCTURAL DETAILS
SO.3 TYPICAL STRUCTURAL DETAILS
SO.4 FOUNDATION PLAN AND BUILDING SECTION
SO.5 ROOF FRAMING PLAN AND FRAMING DETAILS
SO.6 STRUCTURAL DETAILS

PLUMBING

P1.0 OVERALL PLUMBING SITE PLAN
P2.0 PLUMBING PLAN
P3.0 PLUMBING DETAILS
P3.1 PLUMBING DETAILS
P3.2 DRAFT HYDRANT NOTES AND DETAILS
P4.0 PLUMBING SCHEDULES

MECHANICAL

M1.0 MECHANICAL FLOOR PLAN
M2.0 MECHANICAL DETAILS
M3.0 MECHANICAL SCHEDULES, LEGEND, AND NOTES
M4.0 MECHANICAL TITLE 24

ELECTRICAL

EG1.1 ELECTRICAL SYMBOLS, CODES AND NOTES
EG1.2 INDOOR LIGHTING COMPLIANCE
EG1.3 OUTDOOR LIGHTING COMPLIANCE
EG1.4 POWER COMPLIANCE
EG1.5 SOLAR AND BATTERY COMPLIANCE
ES1.1 OVERALL SITE ELECTRICAL PLAN
ES1.2 PARTIAL ENLARGED SITE ELECTRICAL PLAN
E1.1 POWER PLANS
E1.2 LIGHTING PLANS
E1.3 FIRE ALARM PLANS
E2.1 FIRE ALARM SYSTEM EQUIP. SPECIFICATIONS, CODES AND NOTES
E2.2 FIRE ALARM SYSTEM EQUIPMENT RISER DIAGRAM AND CALCULATIONS
E2.3 FIRE ALARM DETAILS
E3.1 ONE LINE DIAGRAM
E3.2 DETAILS
E4.1 PANEL SCHEDULES

TELECOM

TG1.1 SIGNALS CODES, NOTES, DETAILS & SYMBOLS SCHEDULE

DSA 1-RUH

DSA 1-RUH
REQUEST FOR FINDING OF UNREASONABLE HARDSHIP

DESCRIPTION OF REQUEST FOR UNREASONABLE HARDSHIP
(This page is to be placed in the approved project drawings and is a summary of the specific descriptions provided on pages 6 and 7 of this document.)

DESCRIPTION OF THE REQUESTED UNREASONABLE HARDSHIP
Note: In the space below (approximately 500 words or less), provide a summary description of the elements of the path of travel serving the area of alteration, and identify if the elements are in compliance with current accessibility standards. For elements not in compliance with current accessibility standards, describe the improvement needed, and identify if the improvements are, or are not, included as part of the project. If equivalent facilitation is the method of compliance provided in lieu of path of travel improvements, provide a summary of the equivalent facilitation which demonstrates equivalent or greater accessibility than current accessibility standards.

This existing campus is in a rural mountainous area. The main campus is at street level and the play fields are at the upper level with about a 20 foot difference. The proposed Snack Bar building replacement will be located in the upper level field play area. This project will include the upgrade of a van accessible stall in the upper play field area, upgraded accessible man gate, a 5 foot wide concrete paved accessible walk to the proposed new building, all gender accessible restroom and a new high low accessible drinking fountain. Connecting the upper level accessible Path of Travel to the main campus level is requested to be an unreasonable hardship. The District will provide signage at the lower level dedicated accessible passenger loading/unloading zone, and provide a wheelchair accessible shuttle that could shuttle students or public to the upper level accessible van stall as needed.

DSA 1-RUH
REQUEST FOR FINDING OF UNREASONABLE HARDSHIP

STATEMENT OF COSTS WORKSHEET
(This table is to be placed in the approved project drawings.)

ADJUSTED CONSTRUCTION COST					
Adjusted construction cost for the project (not including costs of the path of travel improvements to the area of alteration)			\$592,191.00	(A)	
PATH OF TRAVEL IMPROVEMENT COSTS:					
Accessible elements serving the area of alteration	(B)	Is element in compliance with current or preceding CBC Chapter 11B? (Y/N)	If no, will element be made fully compliant to current CBC Chapter 11B? (Y/N)	Estimated cost of full compliance of element with current CBC Chapter 11B	Proposed cost to the greatest extent feasible
1. A primary entrance to the building and/or facility.		Y	N/A	\$0.00	\$
2. An accessible route to the altered area (for parking use item 6).		N	N	\$735,355.00	\$287,341.00
3. At least one restroom for each gender or an all-gender restroom for each user group.		Y	N/A	\$	\$
4. Public telephones		N/A	N/A	\$	\$
5. Drinking fountains		Y	N	\$0.00	\$
6. Parking		N	Y	\$103,468.00	\$103,468.00
7. Signs				\$	\$
Total cost of providing full compliance of path of travel elements:				\$838,823.00	(C)
Total cost of providing compliance of path of travel elements to the greatest extent feasible:				\$307,809.00	(D)
COST OF PATH OF TRAVEL UPGRADES AS A PERCENTAGE OF ADJUSTED CONSTRUCTION COST:					
Full compliance of path of travel as a percent (%) of the current project's adjusted construction cost: (E%) = (C) / (A) x 100				% 141	(E)
Partial compliance of path of travel as percent (%) of current adjusted construction cost: (F%) = (D) / (A) x 100				% 52	(F)

IDENTIFICATION OF PATH OF TRAVEL SERVING THE AREA OF ALTERATION EQUIVALENT FACILITATION:

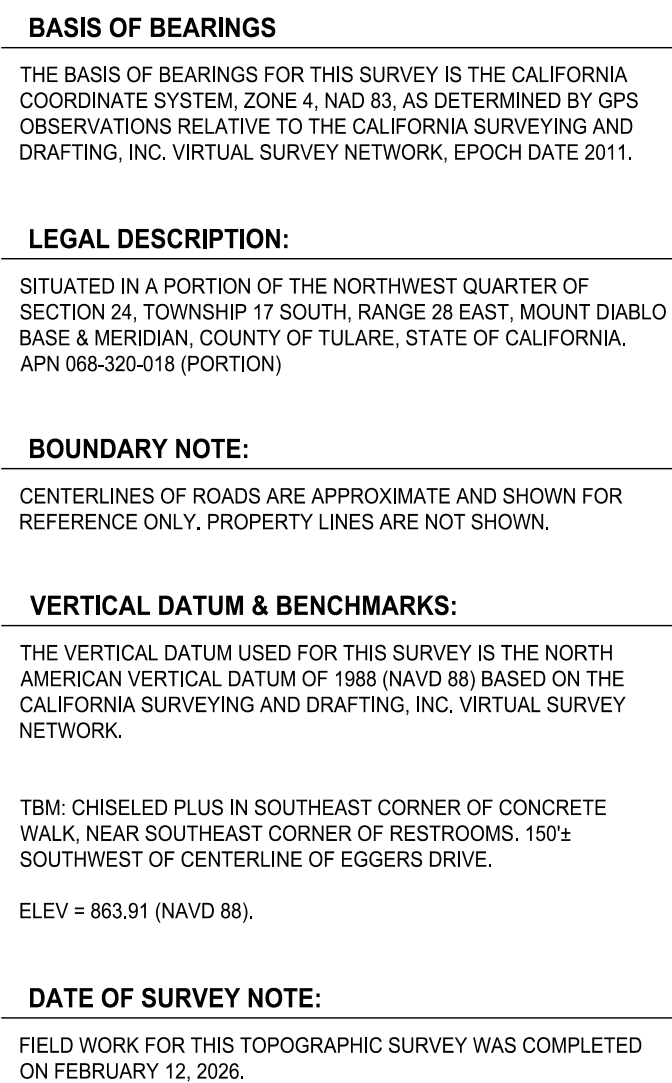
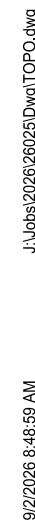
DUE TO THE MOUNTAINOUS TOPOGRAPHY OF THE PROJECT SITE, THE MAIN CAMPUS AND THE ATHLETIC FIELD FACILITIES ARE LOCATED AT SUBSTANTIALLY DIFFERENT ELEVATIONS, WITH AN APPROXIMATE ELEVATION CHANGE OF 20 FEET. THE DISTRICT HAS EVALUATED OPTIONS FOR PROVIDING A FULLY COMPLIANT ACCESSIBLE PEDESTRIAN ROUTE BETWEEN THESE TWO AREAS. DUE TO THE SIGNIFICANT TOPOGRAPHIC CONSTRAINTS AND THE RESULTING PHYSICAL, SITE, AND FINANCIAL IMPLICATIONS, THE PROJECT HAS SUBMITTED A DSA 1-RUH REQUEST FOR A FINDING OF UNREASONABLE HARDSHIP.

AS AN ALTERNATIVE MEANS OF PROVIDING ACCESS, THE DISTRICT PROPOSES TO IMPLEMENT AN ACCESSIBLE SHUTTLE TRANSPORTATION PROGRAM BETWEEN THE MAIN CAMPUS AND THE UPPER ATHLETIC FIELD LEVEL. THIS SHUTTLE PROGRAM WILL BE PROVIDED TO ENSURE THAT INDIVIDUALS WITH DISABILITIES CAN INDEPENDENTLY REQUEST AND OBTAIN TRANSPORTATION BETWEEN THE TWO CAMPUS LEVELS. THE PROJECT WILL PROVIDE DESIGNATED ACCESSIBLE SHUTTLE LOADING AND UNLOADING ZONES AT BOTH THE MAIN CAMPUS LEVEL AND THE UPPER ATHLETIC FIELD LEVEL. EACH LOADING AREA WILL BE LOCATED ON AN ACCESSIBLE ROUTE SERVING THE FACILITIES AT THAT RESPECTIVE LEVEL.

TITLE
COVER SHEET,
SHEET INDEX,
VICINITY MAP

G1

PROJECT 25057



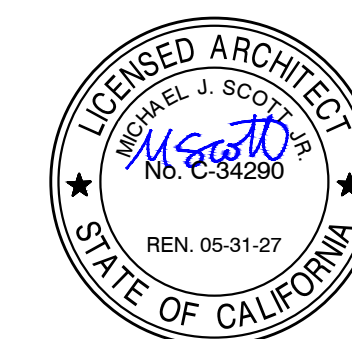
AS DELINEATED ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAP (MAP NUMBER 06107C0709E) FOR COMMUNITY NO. 065066, TULARE COUNTY, CALIFORNIA, EFFECTIVE JUNE 16, 2009, THE PROPERTY SHOWN ON THIS MAP LIES FULLY WITHIN FLOOD ZONE AREA DESIGNATED ZONE X (UNSHADED), WHICH ARE AREAS OUTSIDE OF 0.2% ANNUAL CHANCE FLOODING.

EXISTING UNDERGROUND UTILITY LINES ARE SHOWN BASED ON SURFACE EVIDENCE INCLUDING MANHOLES, BOXES, VALVES AND INVERTS MEASURED DURING FIELD SURVEY.

THE UTILITIES SHOWN ON THIS SURVEY HAVE BEEN APPROXIMATELY LOCATED BASED ON SURFACE EVIDENCE AND AVAILABLE RECORD DRAWINGS. NO SUBSURFACE LOCATING OR VERIFICATION HAS BEEN PERFORMED. THE ACTUAL LOCATION, SIZE, AND DEPTH OF UTILITIES MAY VARY FROM WHAT IS SHOWN, AND UNKNOWN OR UNDOCUMENTED UTILITIES MAY EXIST.

GEND

Project No: 26025



DATE: MARCH 31, 2026

**NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL**

11932 SIERRA DB THREE RIVERS CA 93271

THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

REVISIONS	
△	_____
△	_____
△	_____
△	_____
△	_____

MANGINI

ARCHITECTURE
INGENIUTY

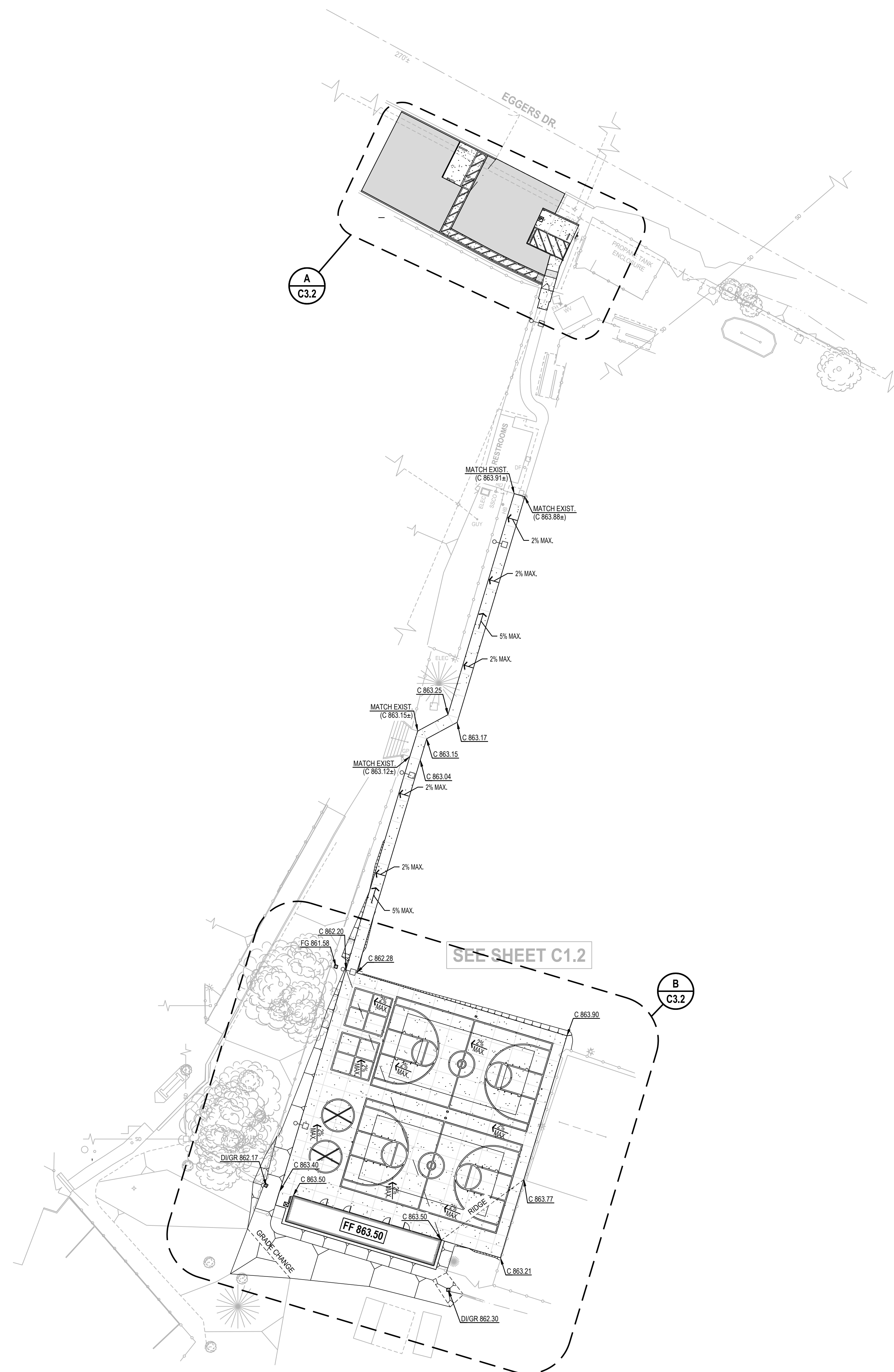
www.mangini.us
(559) 627 0530 Office
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MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291

TITLE
OVERALL GRADING PLAN

C3.1

PROJECT	25057
---------	-------



GRADING NOTES

1. REFER TO SHEETS C0.1 FOR BENCHMARKS, GENERAL NOTES & INFORMATION.
2. UNLESS SHOWN OR NOTED OTHERWISE, WHERE FINISH GRADE ABUTS CONCRETE PAVEMENT OR BACK OF CURBS, FINISH GRADE ELEVATION SHALL BE 1" INCH LOWER THAN ADJACENT CONCRETE ELEVATION IN SHRUB AREAS AND 2" INCH LOWER IN TURF AREAS.
3. CROSS SLOPE AT ALL PEDESTRIAN WALKS AND SIDEWALKS SHALL BE 1% MIN., BUT SHALL NOT EXCEED 2.0%.
4. FINISHED PAVEMENT SLOPES AT ALL ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 2.0% IN ANY DIRECTION.
5. EXTERIOR CONCRETE SHALL BE FLUSH WITH FINISHED FLOOR AT ALL EXTERIOR DOORS.
6. FIELD VERIFY ALL ELEVATIONS SHOWN WHERE PROPOSED IMPROVEMENTS ABUT EXISTING IMPROVEMENTS. IMMEDIATELY NOTIFY PROJECT ARCHITECT OF ANY DISCREPANCIES.
7. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL SITE INFORMATION AND DETAILS.
8. ALL EXISTING VALVE BOXES AND MANHOLES TO REMAIN SHALL BE ADJUSTED AS REQUIRED SO THAT THE TOP OF COVERS ARE FLUSH WITH FINISH GRADES.
9. SEE PROJECT SPECIFICATIONS FOR SITE PREPARATION OVER-EXCAVATION REQUIREMENTS.
10. ALL IMPERVIOUS SURFACES SHALL BE SLOPED AWAY FROM BUILDINGS AT 1% MINIMUM, BUT LESS THAN 2% MAX., TYPICAL.
11. REFER TO SHEETS C5.1 & C5.2 FOR OFFSITE DEMOLITION AND IMPROVEMENTS.

LEGEND



NEW CONCRETE WALKWAY & OTHER CONCRETE SURFACE IMPROVEMENTS

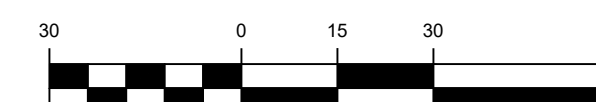


RIGHT OF WAY/PROPERTY LINE



NORTH

GRAPHIC SCALE



1 INCH = 30 FT

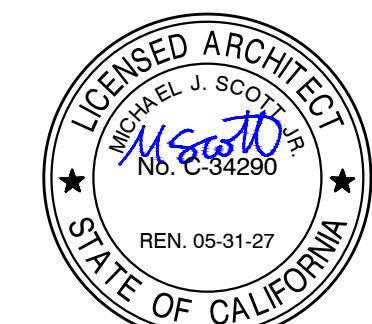
OVERALL GRADING PLAN



CONSULTANT



LANE ENGINEERS INC.
CIVIL • STRUCTURAL • SURVEYING
979 N. BLACKSTONE
TULARE, CALIFORNIA 93274
(559) 688-5263



DATE: MARCH 31, 2026

**NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL**
41932 SIERRA DR., THREE RIVERS, CA 93271
THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

REVISIONS	

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(559) 627.1526 fax

TITLE
ENLARGED GRADING AND
DRAINAGE PLANS

C3.2
PROJECT 25057

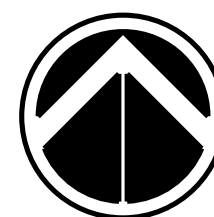
GRADING NOTES

- REFER TO SHEETS C0.1 FOR BENCHMARKS, GENERAL NOTES & INFORMATION.
- UNLESS SHOWN OR NOTED OTHERWISE, WHERE FINISH GRADE ABUTS CONCRETE PAVEMENTS/BACK OF CURBS, FINISH GRADE ELEVATION SHALL BE 1 INCH LOWER THAN ADJACENT CONCRETE ELEVATION IN SHRUB AREAS AND 1/2 INCH LOWER IN TURF AREAS.
- CROSS SLOPE AT ALL PEDESTRIAN WALKS AND SIDEWALKS SHALL BE 1% MIN., BUT SHALL NOT EXCEED 2.0%.
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- EXTERIOR CONCRETE SHALL BE FLUSH WITH FINISHED FLOOR AT ALL EXTERIOR DOORS.
- FIELD VERIFY ALL ELEVATIONS SHOWN WHERE PROPOSED IMPROVEMENTS ABUT EXISTING IMPROVEMENTS. IMMEDIATELY NOTIFY PROJECT ARCHITECT OF ANY DISCREPANCIES.
- REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL SITE INFORMATION AND DETAILS.
- ALL EXISTING VALVE BOXES AND MANHOLES TO REMAIN SHALL BE ADJUSTED AS REQUIRED SO THAT THE TOP OF COVERS ARE FLUSH WITH FINISH GRADES.
- SEE PROJECT SPECIFICATIONS FOR SITE PREPARATION OVER-EXCAVATION REQUIREMENTS.
- ALL IMPERVIOUS SURFACES SHALL BE SLOPED AWAY FROM BUILDINGS AT 1% MINIMUM, BUT LESS THAN 2% MAX., TYPICAL.
- REFER TO SHEETS C5.1 & C5.2 FOR OFFSITE DEMOLITION AND IMPROVEMENTS.

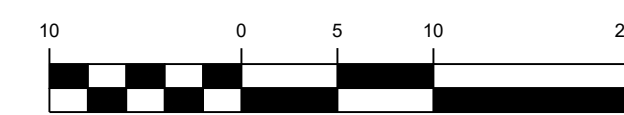
LEGEND

- NEW CONCRETE WALKWAY & OTHER CONCRETE SURFACE IMPROVEMENTS
- RIGHT OF WAY/PROPERTY LINE

NORTH



GRAPHIC SCALE

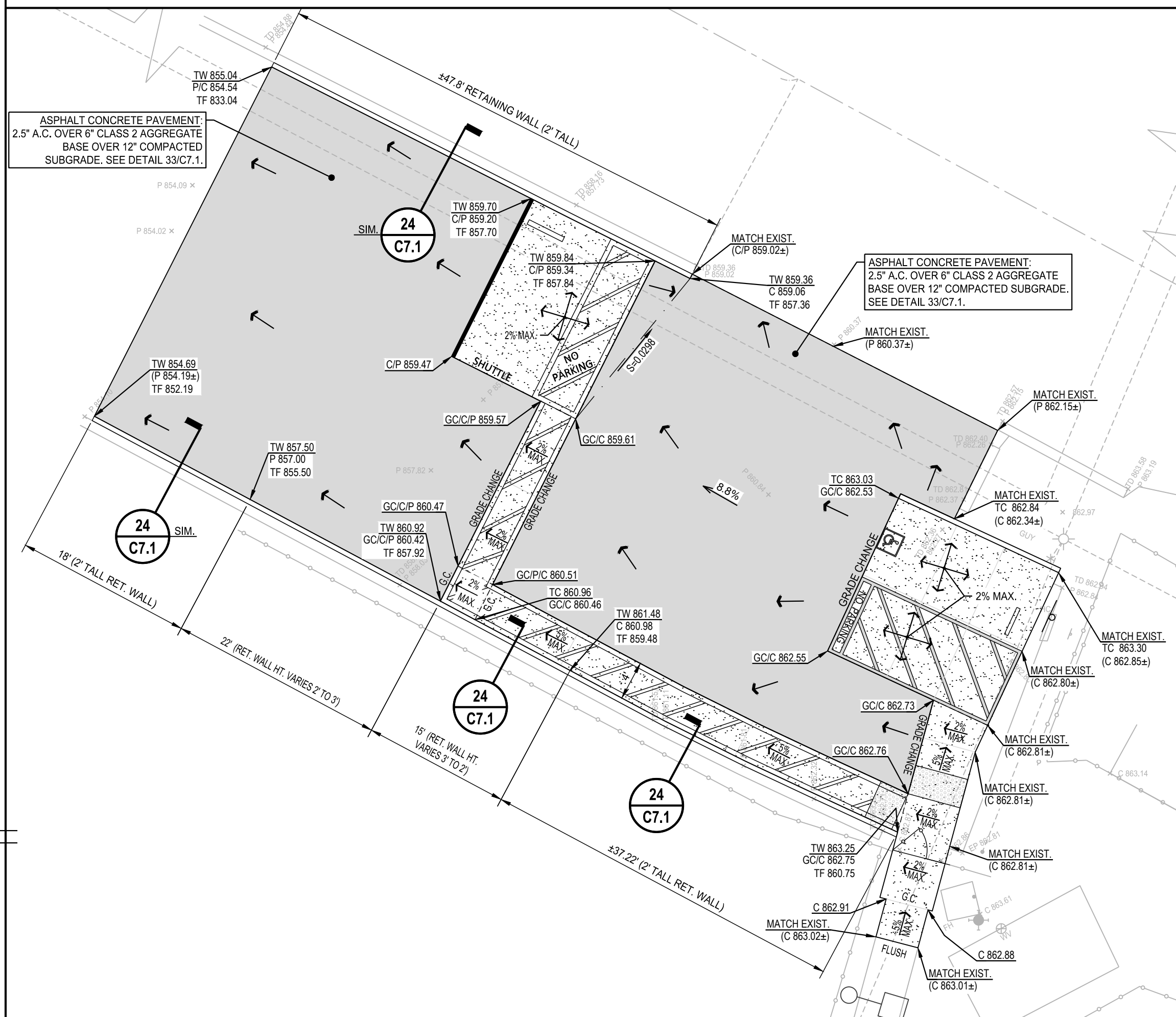


1 INCH = 10 FT.

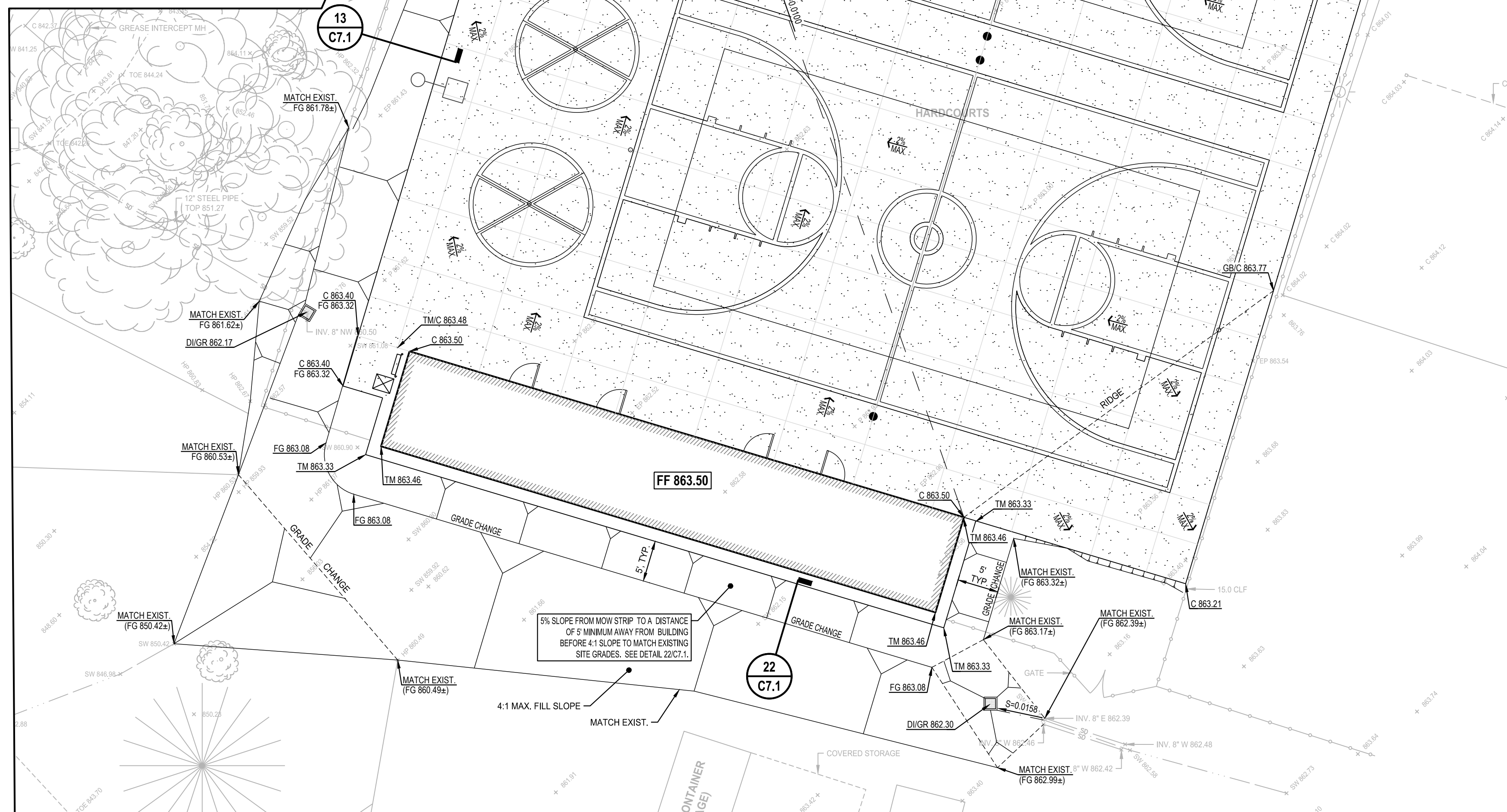


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A ENLARGED GRADING
SCALE: 1"=10'



B ENLARGED GRADING
SCALE: 1"=10'



DATE: MARCH 31, 2026

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(559) 627.0530 Office
(559) 627.1526 fax

TITLE
STORM DRAIN PLAN
C4.1
PROJECT **25057**

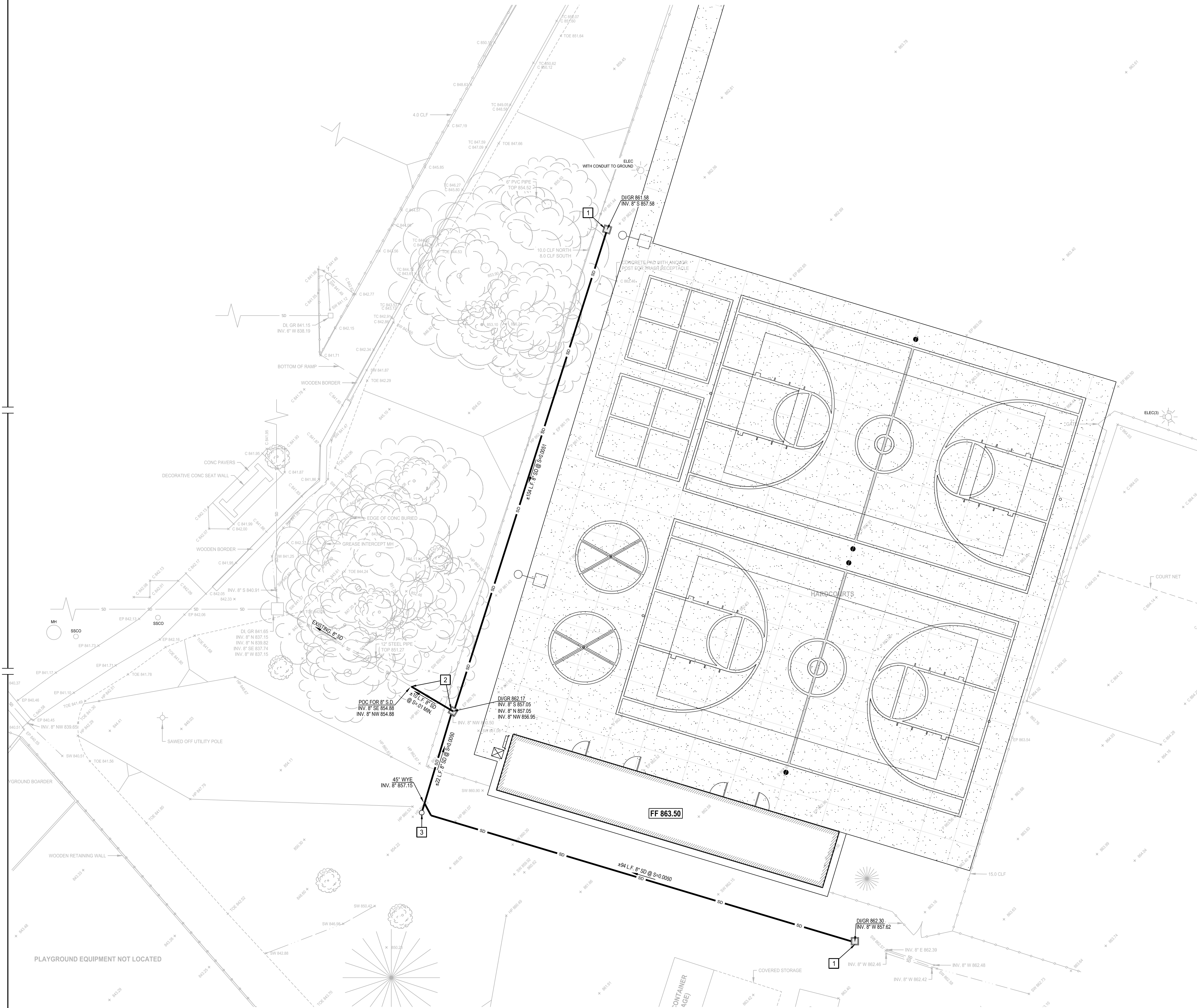
NOTES

1. REFER TO SHEETS C0.1 FOR BENCHMARKS, GENERAL NOTES & INFORMATION.
2. SEE ARCHITECTURAL DWGS. FOR ADDITIONAL SITE INFORMATION AND DETAILS. SEE PLUMBING DRAWINGS FOR ADDITIONAL WET UTILITY PIPING.
3. ALL TRENCHES ON-SITE SHALL BE BACKFILLED IN ACCORDANCE WITH DETAIL 11/C7.1.
4. ANY EXISTING IRRIGATION SYSTEMS THAT ARE DAMAGED OR REMOVED DUE TO NEW STORM DRAIN PIPE INSTALLATION SHALL BE REPAIR/REPLACED AS REQUIRED.
5. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, PIPE SLOPES, FITTINGS, ETC., WHICH MAY BE REQUIRED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THESE DRAWINGS AND FURNISH ALL FITTINGS, ETC. NECESSARY TO COMPLETE A FULLY FUNCTIONAL PIPING SYSTEM AND AVOID ANY CONFLICTS WITH OTHER UTILITIES.

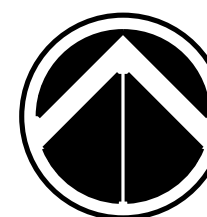
LEGEND

CONSTRUCTION KEYNOTES (THIS SHEET ONLY)

1. CONSTRUCT DRAIN INLET. SEE DETAIL 21/C7.1.
2. CONSTRUCT DRAIN INLET. SEE DETAIL 21/C7.1. CONTRACTOR SHALL EXPOSE AND VERIFY SIZE AND TYPE OF EXISTING STORM DRAIN PIPING TO PROVIDE REQUIRED PIPE FITTINGS TO CONNECT TO EXISTING STORM DRAIN.
3. FURNISH AND INSTALL CLEANOUT TO GRADE. SEE DETAIL 12/C7.1.



NORTH



GRAPHIC SCALE



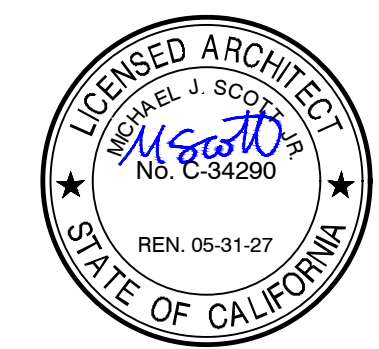
1 INCH = 10 FT.

STORM DRAIN PLAN



CONSULTANT

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(559) 688-5263



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MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291

TITLE
OVERALL SITE PLAN

SD1

PROJECT 25057

SITE PLAN LEGEND:

- NEW BUILDING
- (E) BUILDING
- ACCESSIBLE RESTROOMS
- (E) CONCRETE TO REMAIN, PROTECT
- NEW 4" CONCRETE PAVING
- NEW 5" CONCRETE PAVING
- EXISTING CHAIN LINK FENCE TO REMAIN
- PROPERTY LINE
- EXISTING ACCESSIBLE PATH OF TRAVEL PER DSA # 02-118554
- ACCESSIBLE PATH OF TRAVEL
- CONTROL POINTS

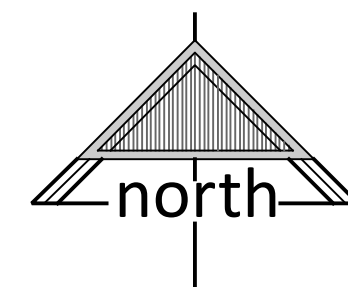
SITE PLAN KEYNOTES:

- ACCESSIBLE PATH OF TRAVEL :**
PATH OF TRAVEL (P.O.T.) AS VERIFIED BY THE ARCHITECT IS:
- A COMMON BARRIER FREE ACCESSIBLE ROUTE AT LEAST 48" WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL
- THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH
- PASSING SPACES AT LEAST 60" x 60" ARE LOCATED NOT MORE THAN 200' APART (11B-403.5.3).
- CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS NOT MORE THAN 400' APART (11B-403.7).
- CROSS-SLOPE DOES NOT EXCEED 2%.
- SLOPE IN THE DIRECTION OF TRAVEL IS 5% OR LESS UNLESS OTHERWISE INDICATED AS A RAMP.
- MAINTAIN P.O.T. FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL OR EDGE AND 27" ABOVE FINISH GRADE (11B-307.2).
- GRATING LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY IN THE P.O.T. SHALL HAVE GRID/OPENINGS IN GRATING LIMITED TO 1/2" MAXIMUM CLEAR IN THE DIRECTION OF TRAVEL FLOW
- ACCESSIBLE PARKING:**
NEW ACCESSIBLE PARKING, SEE DETAILS 21/SD3
2A PARKING LOT 1: 25 EXISTING PARKING STALLS PER DSA# 02-116475
1 ACCESSIBLE PARKING STALL REQUIRED. 1 ACCESSIBLE PARKING STALL INCLUDING 1 VAN ACCESSIBLE STALL PROVIDED, 2>1 THEREFORE OKAY
2B EXISTING ENTRANCE SIGN PER DSA# 02-116475
2C PARKING LOT 2: 15 EXISTING PARKING STALLS PER THIS APPLICATION.
1 ACCESSIBLE PARKING STALL REQUIRED.
1 VAN ACCESSIBLE STALL PROVIDED, 1=1 THEREFORE OKAY
2D ENTRANCE SIGN, SEE 16B SDS
- ACCESSIBLE TOILETS**
NEW ACCESSIBLE STUDENT/STAFF UNISEX TOILET ROOM PER THIS APPLICATION.
SEE SHEET A1 FOR WORK
- ACCESSIBLE DRINKING FOUNTAIN**
NEW HI-LO DRINKING FOUNTAIN PER THIS APPLICATION. SEE SHEET A2 FOR WORK
- GATE ACCESS NOTE**
ALL C.L. AND DECORATIVE METAL 3'-6" WIDE GATES IN THE PATH OF TRAVEL SHALL HAVE LEVER-TYPE LATCH AND 10" HIGH KICKPLATES SECURE TO C.L. MESH BOTH SIDES, SLBS MAX FORCE TO PUSH OR PULL OPEN (11B-404.2.9) AND 5 LBS MAX TO ACTIVATE OPERABLE PARTS (11B-304.9) AND STRIKE SIDE (MANEUVERING) CLEARANCE PER CBC 11B-404.2.4.1, SEE DETAIL 11/SD5.

DSA PR 15-01

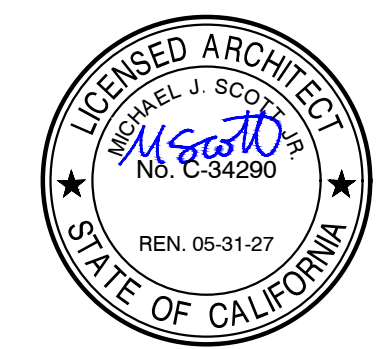
DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

THE PATH OF TRAVEL (P.O.T.) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT EDITION OF THE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND CONVENTIONAL INDUSTRY TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.



OVERALL SITE PLAN

SCALE: 1"=40'-0"



DATE: MARCH 31, 2026

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AT THREE RIVERS UNION ELEMENTARY SCHOOL**
41932 SIERRA DR., THREE RIVERS, CA 93271
THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

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MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291

TITLE
**ENLARGED DEMO
SITE PLAN**
SD2
PROJECT **25057**

LEGEND:

- (E) BUILDING
- EXISTING TURF/DIRT TO BE PREPPED FOR NEW WORK
- EXISTING AC PAVING TO BE REMOVED
- EXISTING CONCRETE WALK & CURB TO BE REMOVED
- EXISTING CONCRETE TO REMAIN
- EXISTING CHAIN LINK FENCE TO REMAIN
- EXISTING CHAIN LINK FENCE TO BE REMOVED

DEMO SITE PLAN KEYNOTES:

- 1 EXISTING UTILITY ENCLOSURE TO REMAIN, PROTECT, TYP.
- 2 EXISTING SITE LIGHT TO REMAIN, PROTECT, TYP.
- 3 EXISTING TREE TO REMAIN, PROTECT, TYP.
- 4 EXISTING ROLLING GATE TO REMAIN, PROTECT, TYP.
- 5 REMOVE EXISTING PARKING SIGN
- 6 REMOVE EXISTING GATE
- 7 DEMO AND REMOVE EXISTING CURB
- 8 DEMO AND REMOVE EXISTING FENCE
- 9 DEMO AND REMOVE EXISTING BASKETBALL POLE AND FOOTING, TYP.
- 10 DEMO AND REMOVE EXISTING CONCRETE
- 11 BLACKOUT & REMOVE EXISTING STRIPING
- 12 EXISTING AC PAVING BUMPER TO REMAIN, PROTECT, TYP.
- 13 REMOVE EXISTING AC PAVING BUMPER
- 14 EXISTING C.L. FENCING TO REMAIN, PROTECT, TYP.
- 15 EXISTING AC CURB TO REMAIN, PROTECT, TYP.

DEMOLITION NOTES :

THE INTENT OF THIS DEMOLITION PLAN IS TO LEAVE THE SITE OF NEW CONSTRUCTION OPEN, CLEAN, AND FREE OF DEBRIS AND READY FOR NEW CONSTRUCTION.

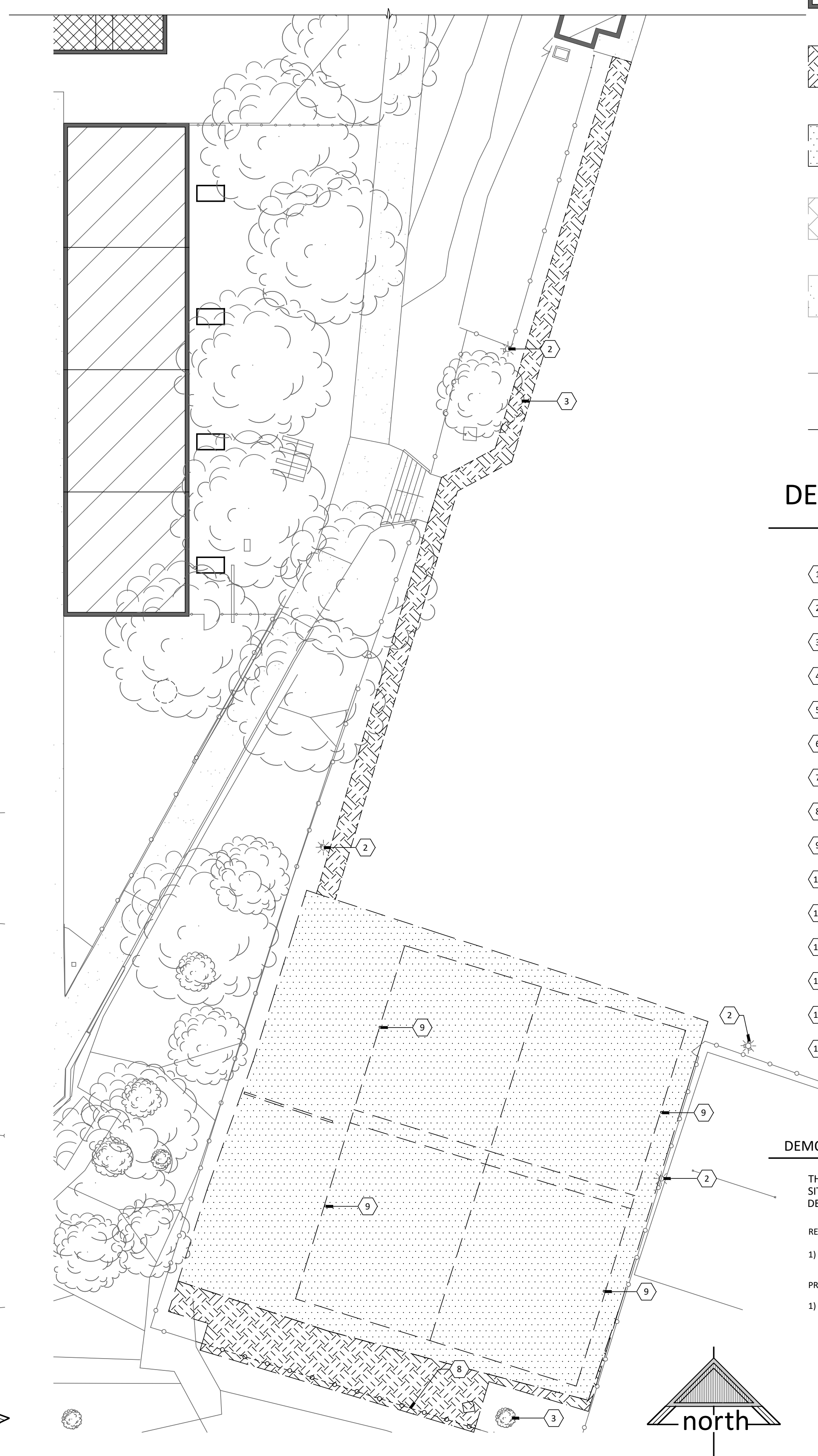
REMOVE THE FOLLOWING :

1) SAWCUT & REMOVE PAVING AS INDICATED ON CIVIL DRAWINGS

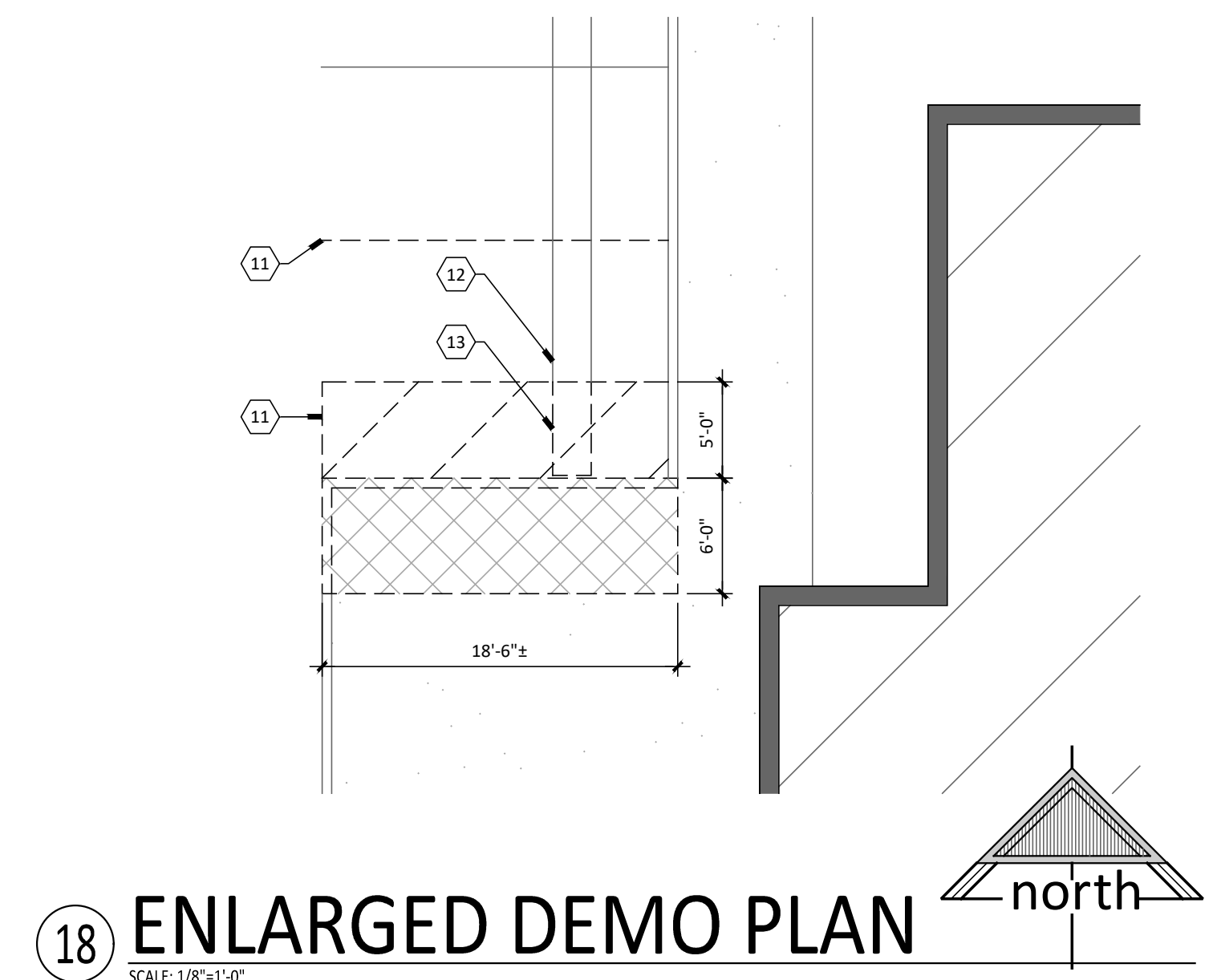
PROTECT THE FOLLOWING:

1) ALL UTILITY LINES, BOXES AND ANCILLARY EQUIPMENT DESIGNATED FOR NEW CONSTRUCTION.

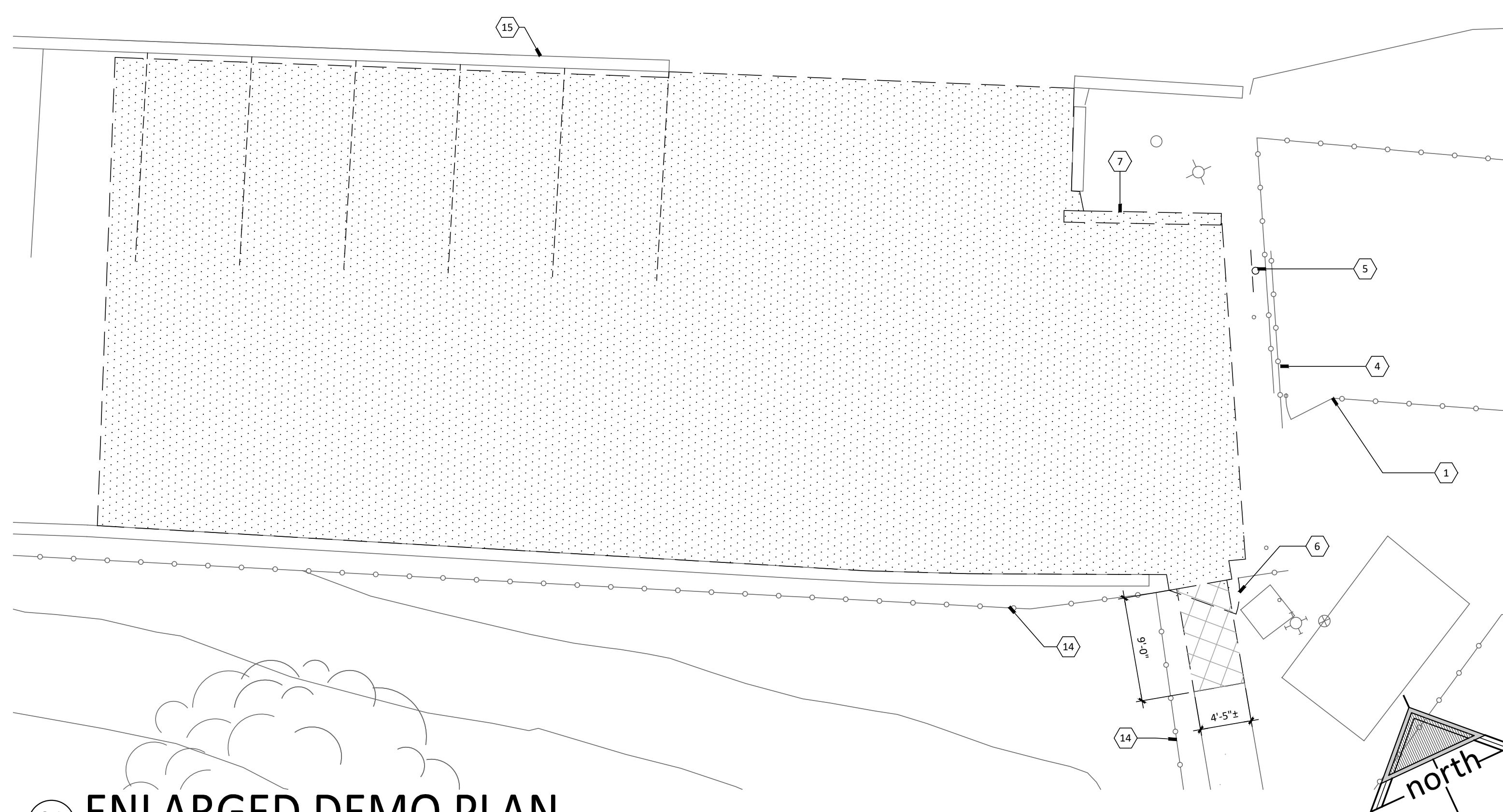
EXISTING A/C PAVING, CONCRETE SLABS, WALKS, CURBS, GUTTERS AND SUBGRADE, INDICATED TO REMAIN ON CIVIL DRAWINGS



11 ENLARGED DEMO SITE PLAN
SCALE: 1"=20'-0"



18 ENLARGED DEMO PLAN
SCALE: 1/8"=1'-0"



21 ENLARGED DEMO PLAN
SCALE: 1/8"=1'-0"



DATE: MARCH 31, 2026

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TITLE
ENLARGED SITE PLAN

SD3

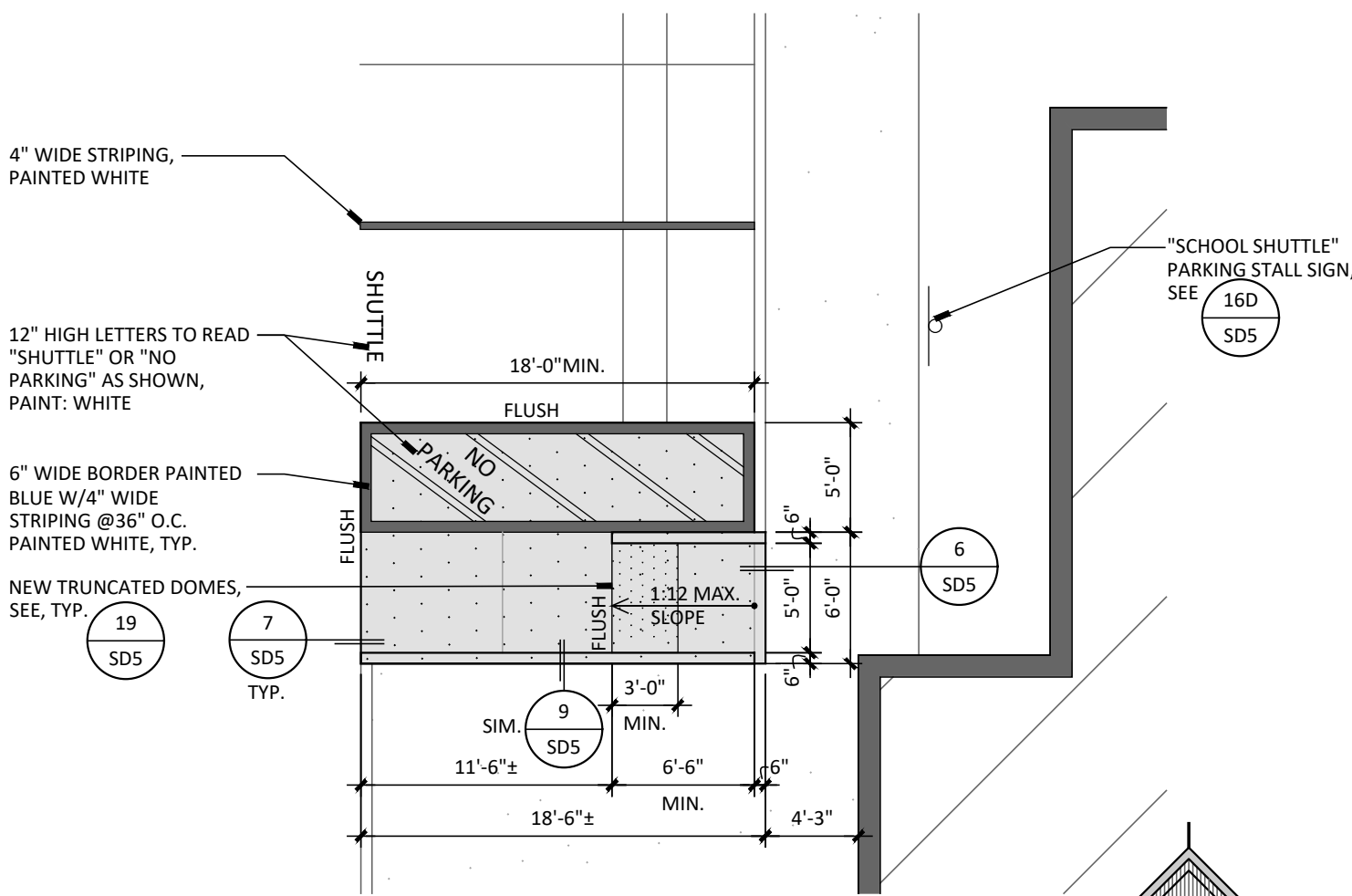
PROJECT 25057

SITE PLAN LEGEND:

- (E) BUILDING
- NEW BUILDING
- ACCESSIBLE RESTROOMS
- NEW 4" CONCRETE PAVING
- NEW 5" CONCRETE PAVING
- EXISTING CONCRETE TO REMAIN
- NEW CHAIN LINK FENCE
- EXISTING CHAIN LINK FENCE TO REMAIN
- CONTROL POINTS

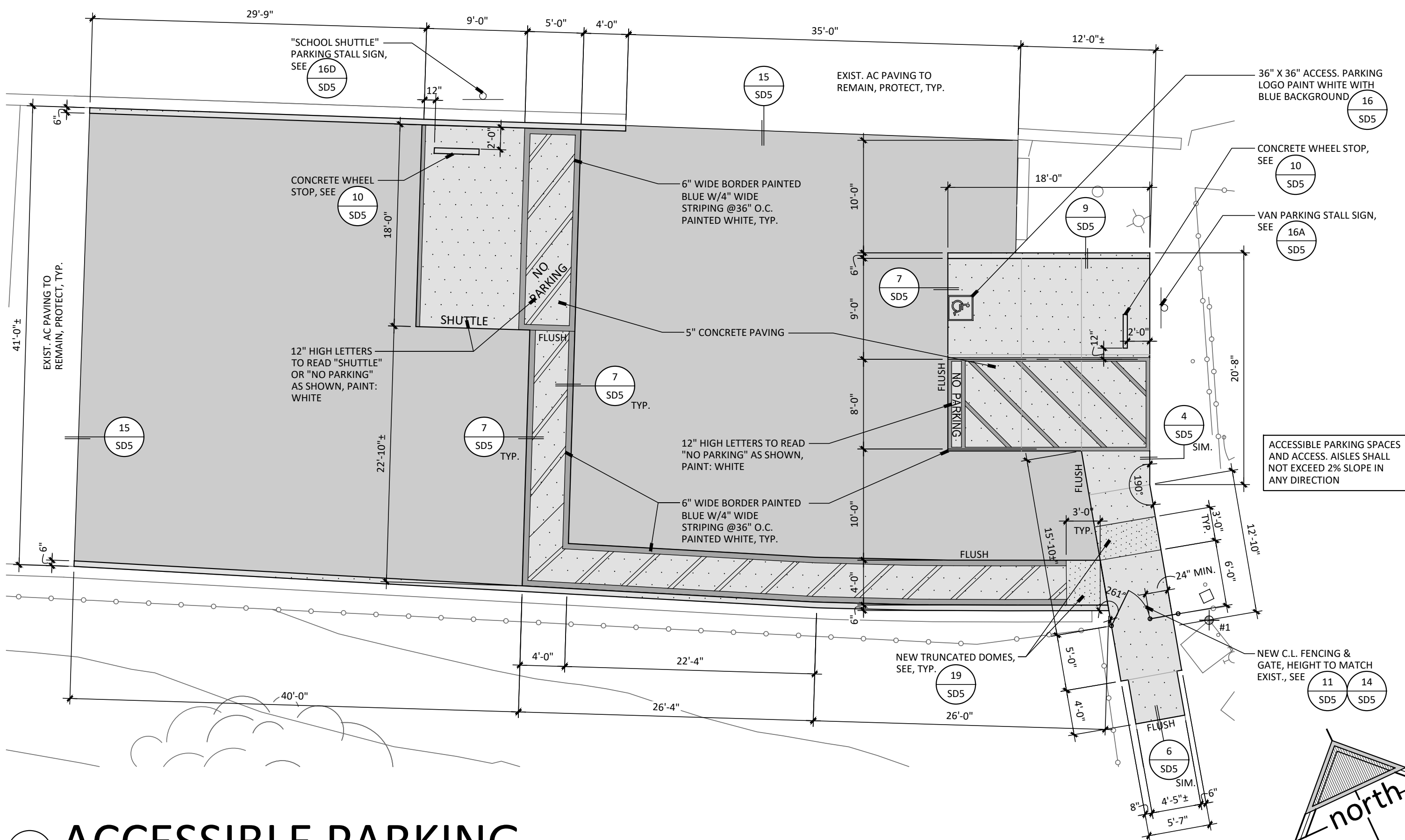
SITE PLAN KEYNOTES:

- 1 EXISTING UTILITY ENCLOSURE TO REMAIN, PROTECT, TYP.
- 2 EXISTING SITE LIGHT TO REMAIN, PROTECT, TYP.
- 3 EXISTING TREE TO REMAIN, PROTECT, TYP.
- 4 EXISTING ROLLING GATE TO REMAIN, PROTECT, TYP.
- 5 SITE LIGHT, SEE ELECTRICAL DWGS.
- 6 DRAIN INLET, SEE CIVIL DWGS.
- 7 DRAFT HYDRANT, SEE PLUMBING DWGS.
- 8 BASKETBALL POLE AND FOOTING, SEE 11 SD4
- 9 BASKETBALL AND VOLLEYBALL COURT LAYOUT, SEE 21 SD4 23 SD4
- 10 KNOX BOX, SEE 13 SD5
- 11 ELECTRICAL EQUIPMENT, SEE ELECTRICAL DWGS.
- 12 PATCH CHAIN LINK FENCING AS REQUIRED, SEE 12 SD5



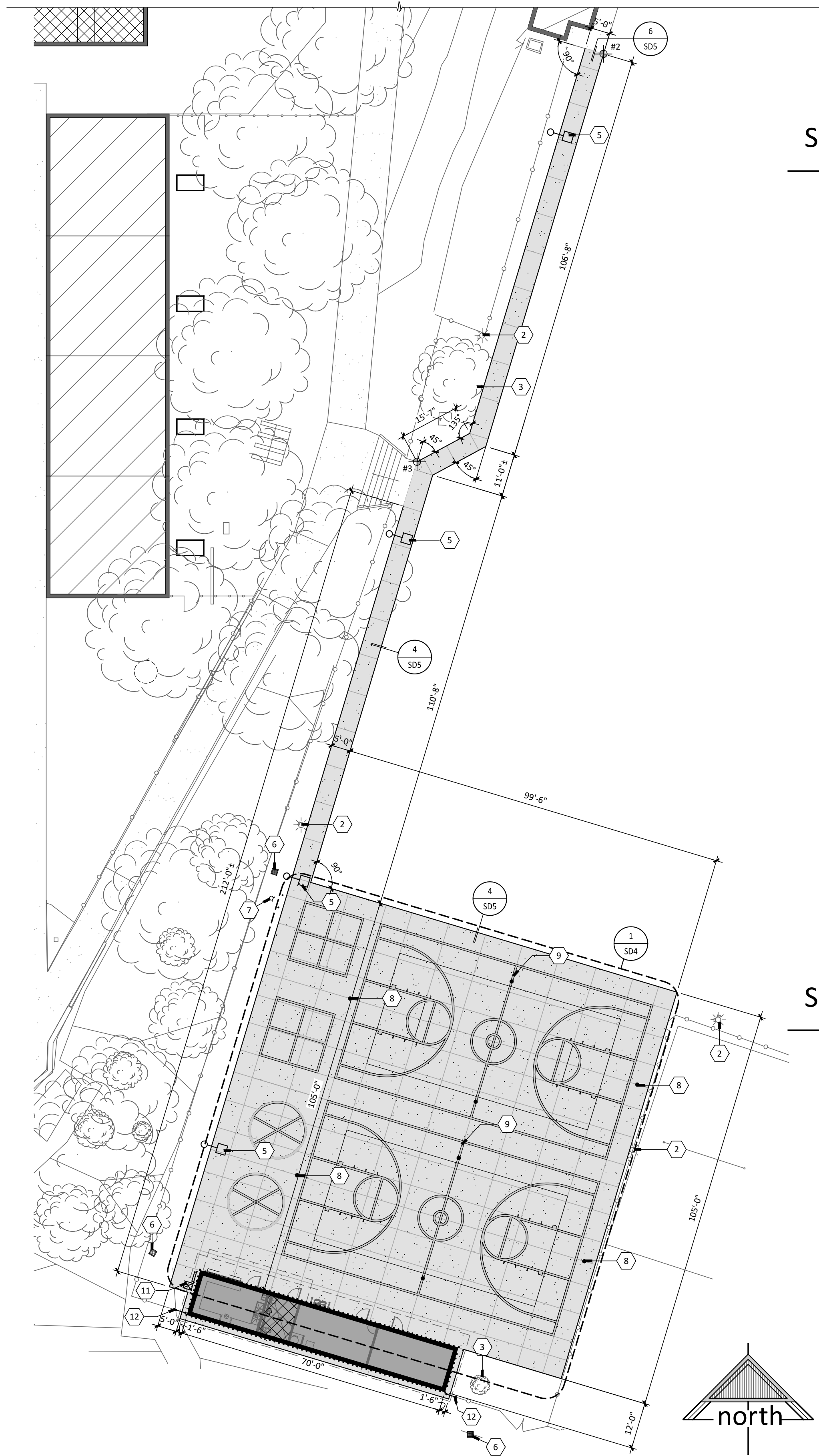
18 SHUTTLE PARKING

SCALE: 1/8"=1'-0"



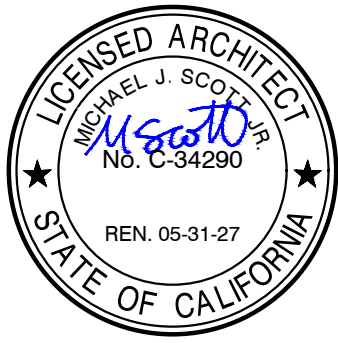
21 ACCESSIBLE PARKING

SCALE: 1/8"=1'-0"



11 ENLARGED SITE PLAN

SCALE: 1"=20'-0"



DATE: MARCH 31, 2026

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41932 SIERRA DR., THREE RIVERS, CA 93271
THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

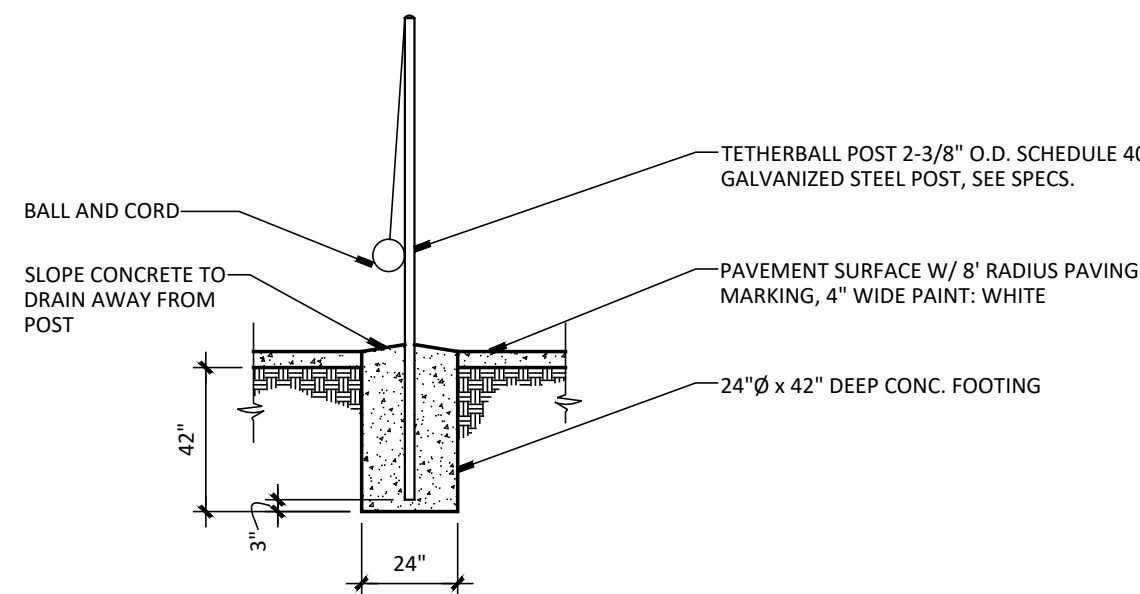
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TITLE
ENLARGED SITE PLAN,
SITE DETAILS

SD4

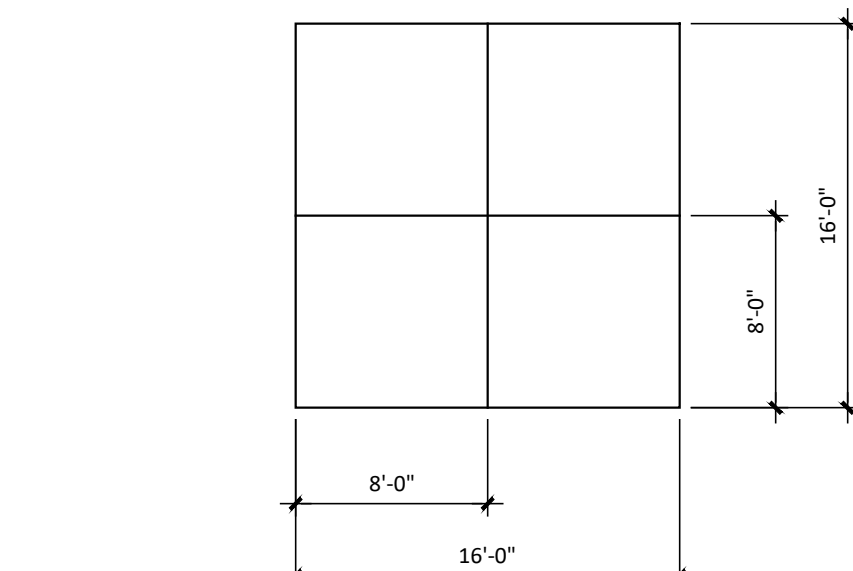
PROJECT 25057



15 TETHERBALL POST DETAIL

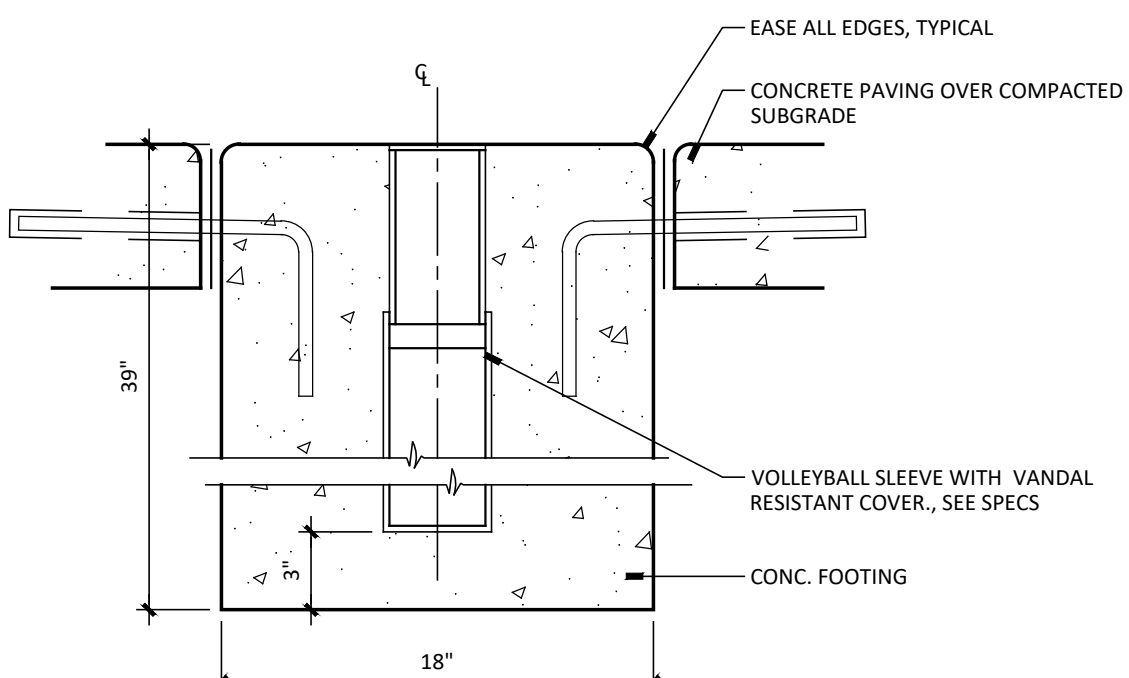
SCALE: 1/4" = 1'-0"

S: 12 - REV. - 26_03_24



14 FOUR-SQUARE COURT

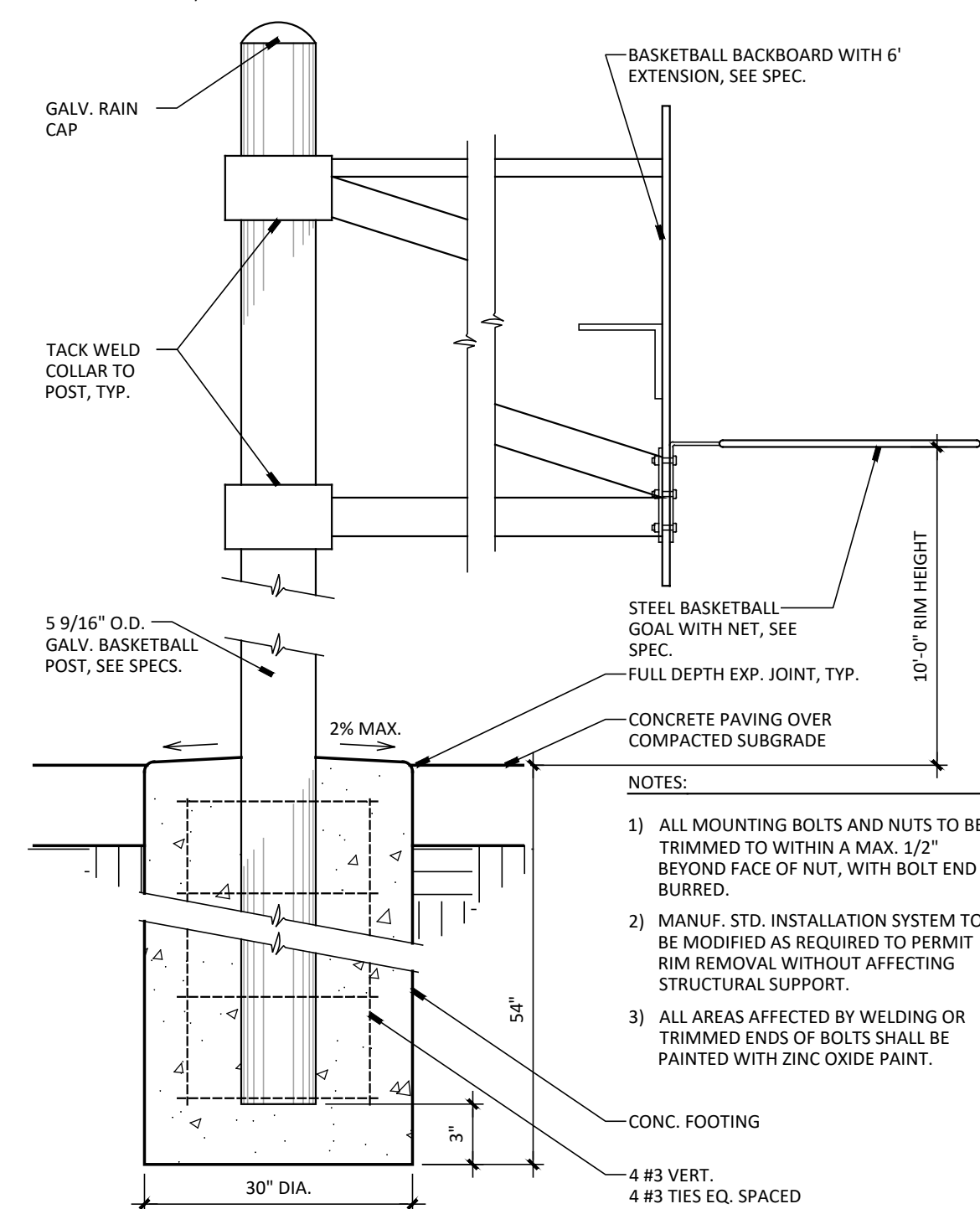
SCALE: 1/8" = 1'-0"



13 VOLLEYBALL SLEEVE

SCALE: 1 1/2" = 1'-0"

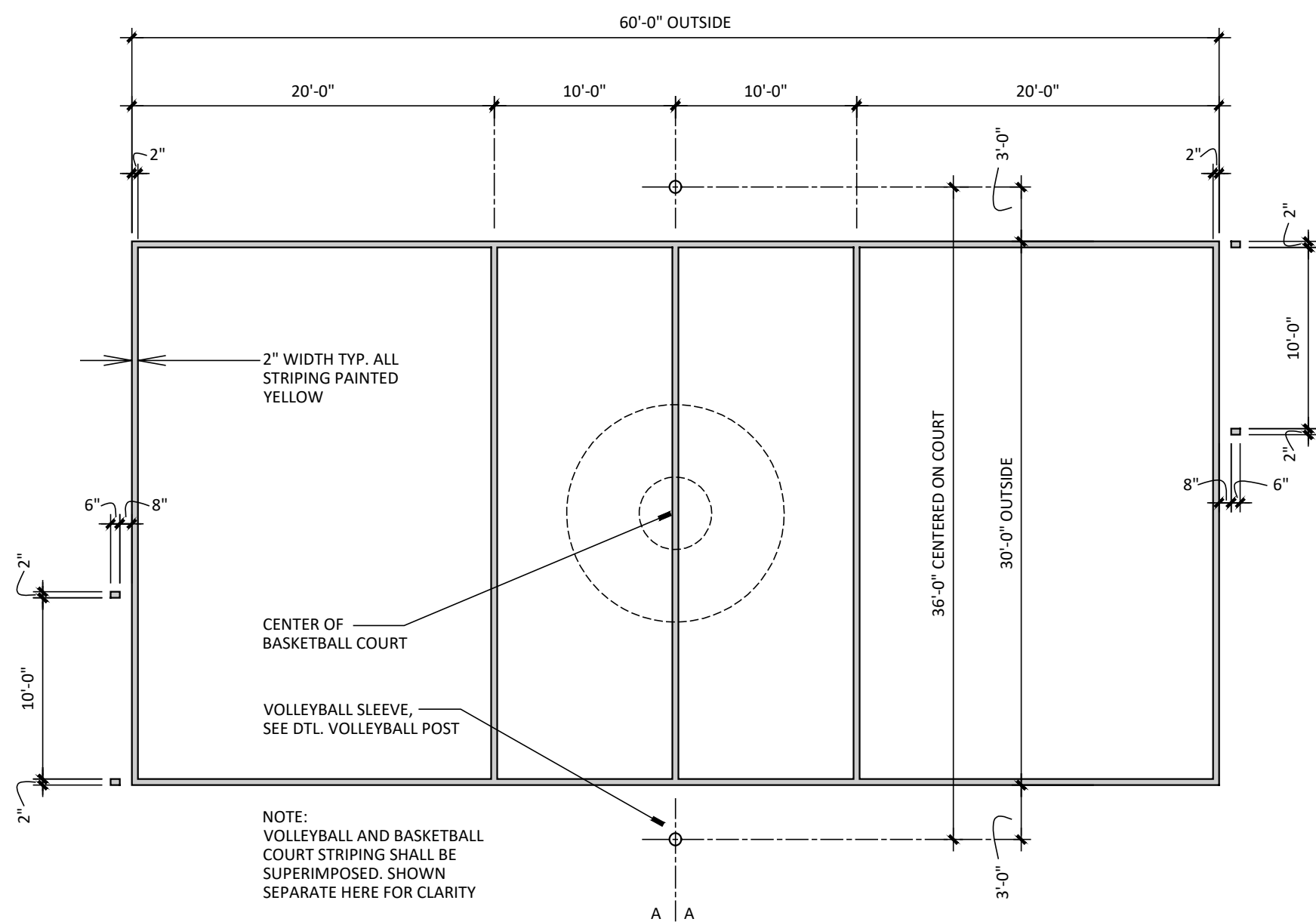
S: 11 - REV. - 26_03_24



11 BASKETBALL BACKBOARD & POST FOOTING

SCALE: 1 1/2" = 1'-0"

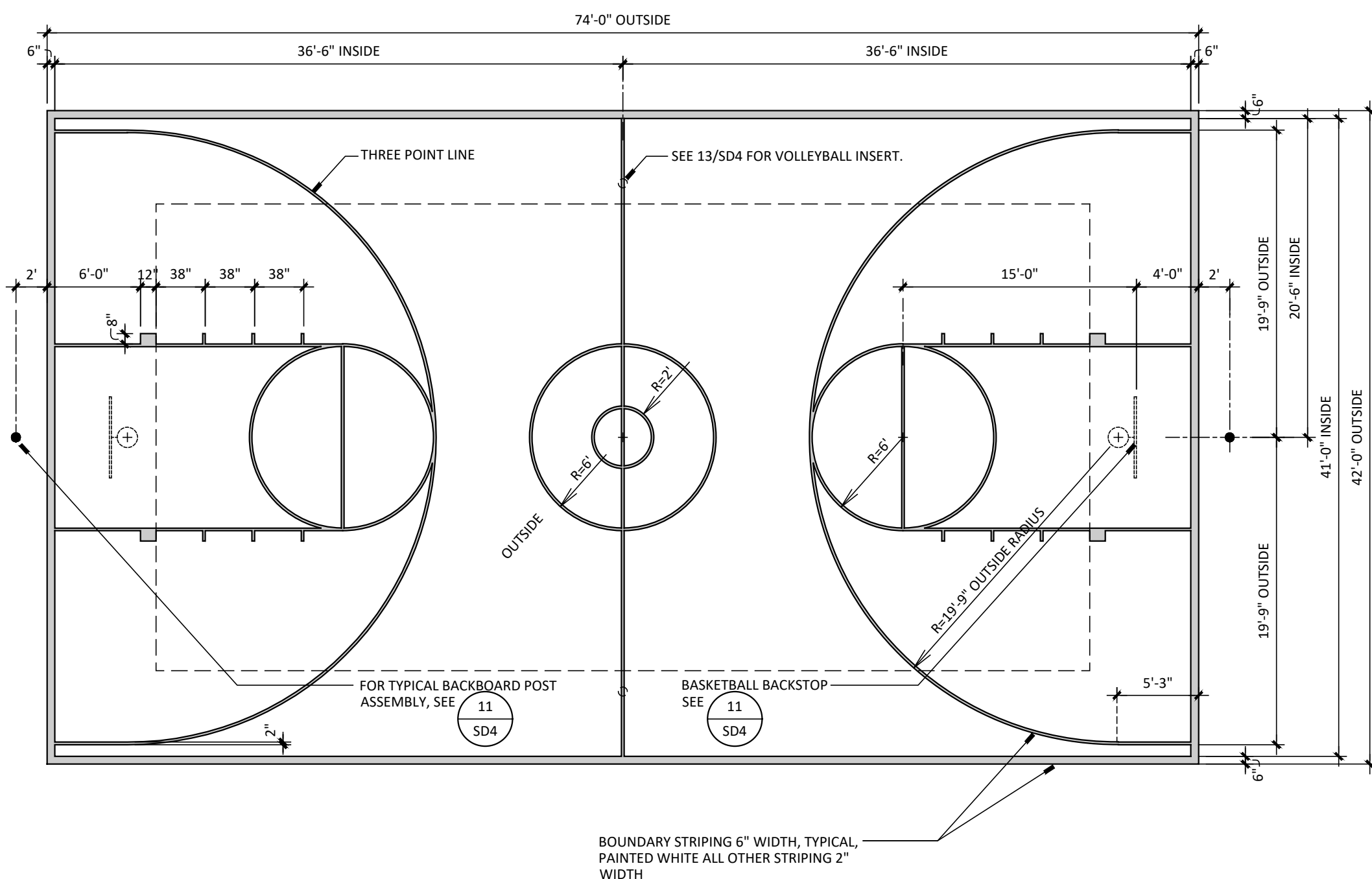
S: 09 - REV. - 26_03_24



23 VOLLEYBALL COURT STRIPING

SCALE: 1/8" = 1'-0"

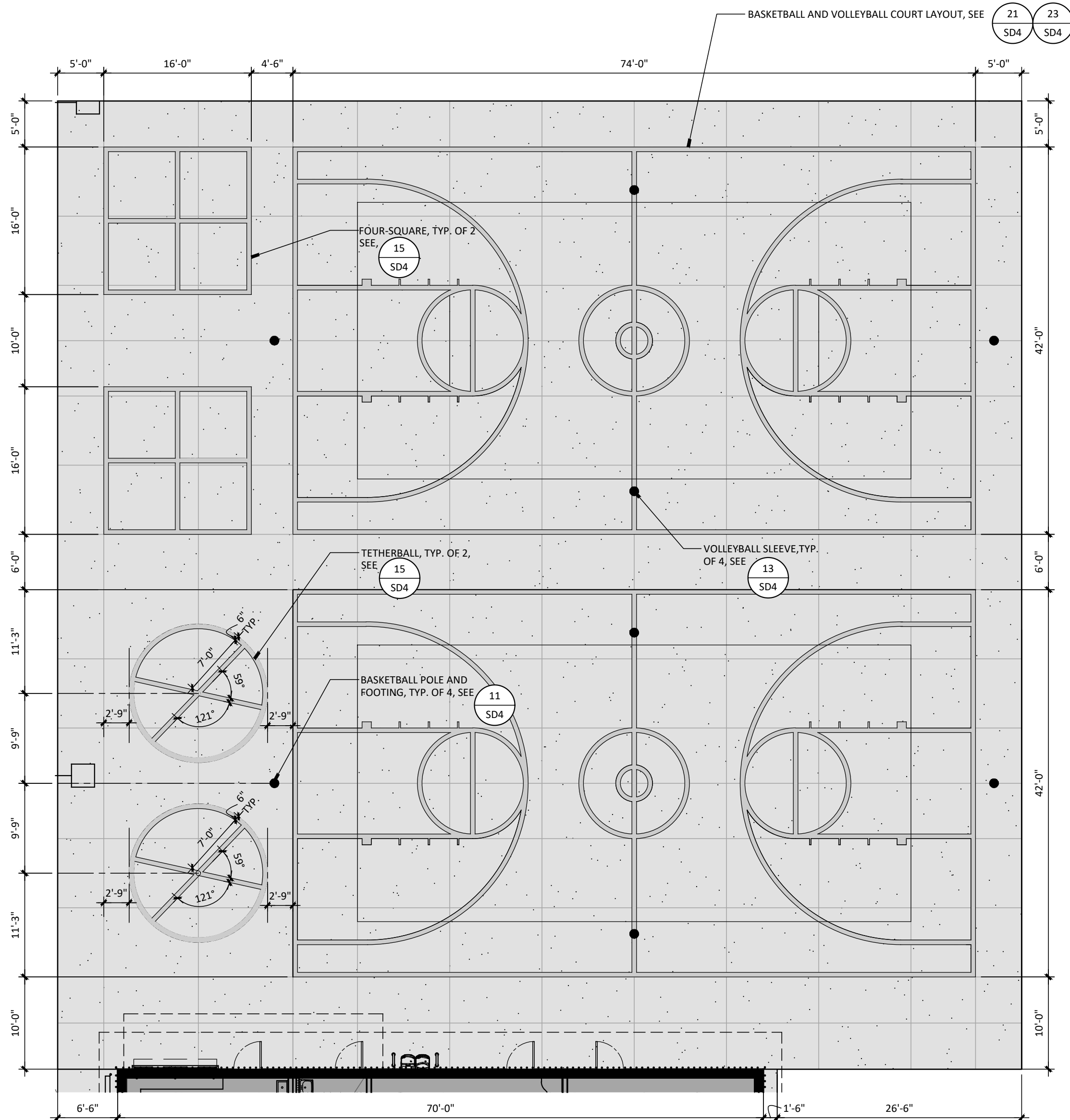
S: 10 - REV. - 26_03_24



21 BASKETBALL COURT STRIPING

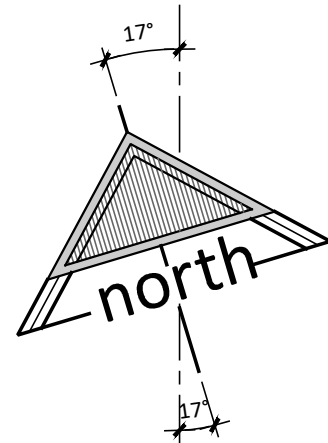
SCALE: 1/8" = 1'-0"

S: 8 - REV. - 26_03_23

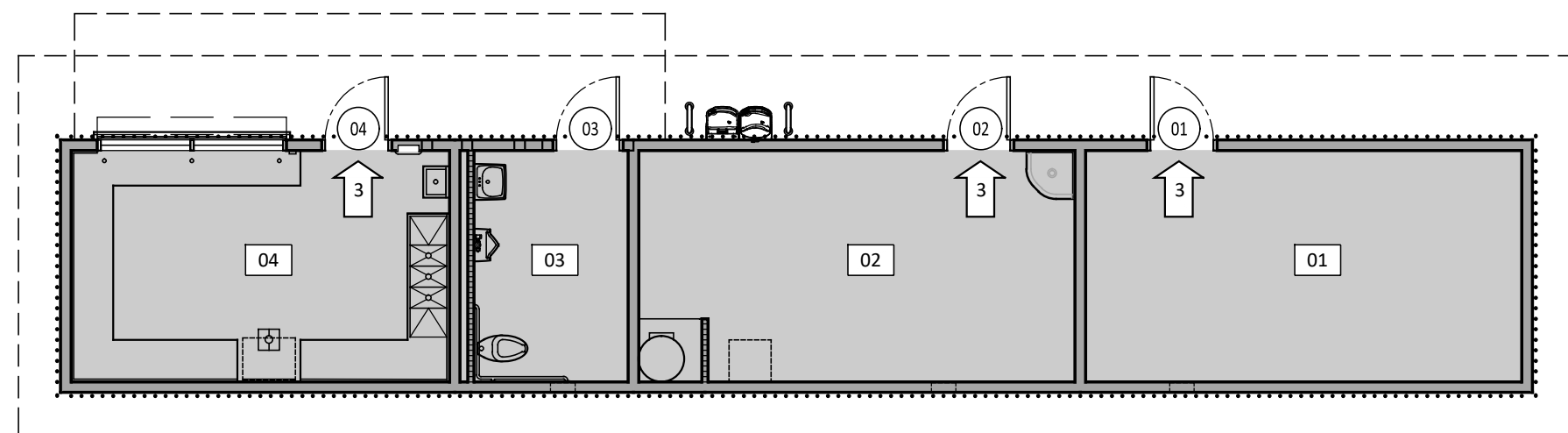


6 ENLARGED HARD COURTS

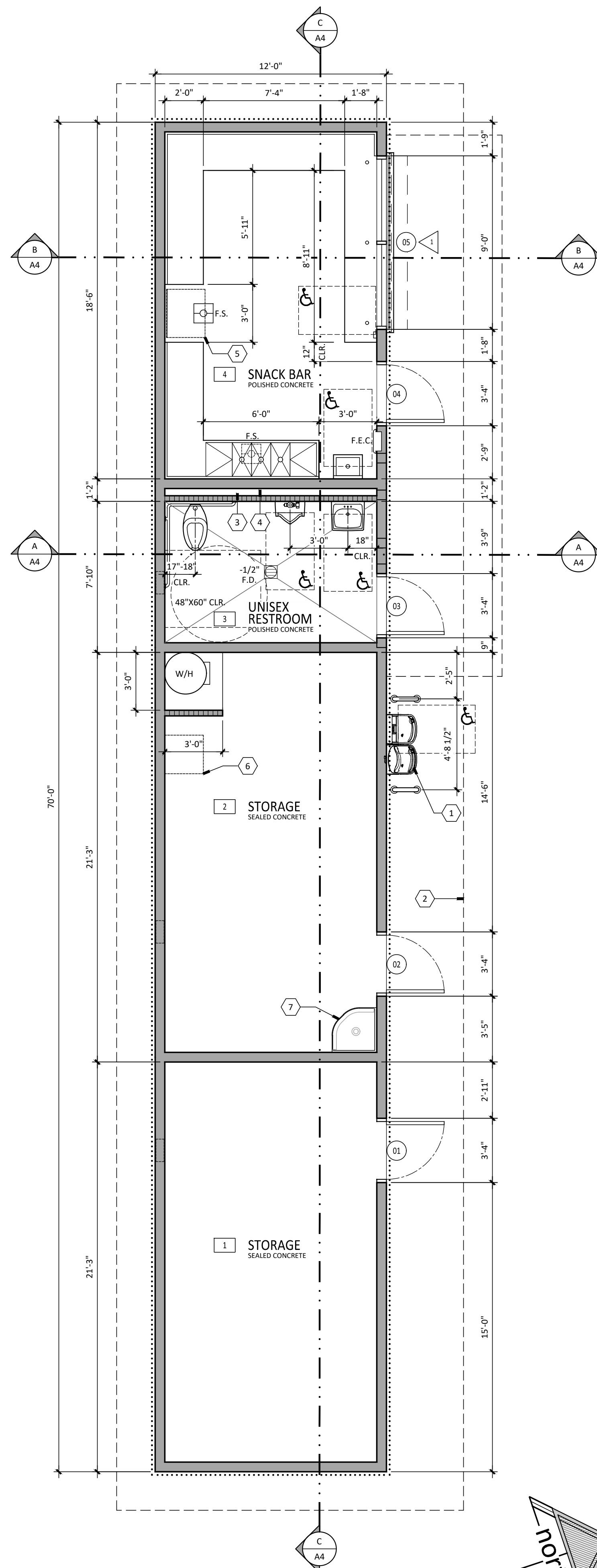
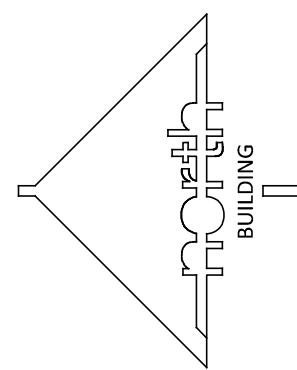
SCALE: 1"=10'-0"



EXIT ANALYSIS												
CALCULATED OCCUPANTS OF PRIMARY SPACES WITH ACCESSORY OCCUPANTS EXITING THROUGH CBC 1004.1						EXITING CALCULATIONS OF SPACES		EGRESS WIDTH CALCULATIONS				
BLDG.	ROOM #	NAME	AREA (SF)	SQ. FT. / OCCUP.	# OCCUPANTS	NUMBER OF REQUIRED EXITS CBC 1015.1	NUMBER OF PROVIDED EXITS	EGRESS WIDTH PER OCCUPANT SERVED CBC 1005.1	# OF OCC. THROUGH EXIT	REQ. EXIT WIDTH CALCULATION	EXIT WIDTH PROVIDED	DOOR ID #
BUILDING 'F'	1	STORAGE	258	100	3	3 < 50 = 1 EXIT REQ.	1 EXIT PROVIDED CBC 1025.2	.20" PER OCC.	3	3 X .2" = .6"	34"	01
	2	STORAGE	255	100	3	3 < 50 = 1 EXIT REQ.			3	3 X .2" = .6"	34"	02
	3	UNISEX RESTROOM	100	ACCESSORY								
	4	CONCESSIONS	225	100	3	3 < 50 = 1 EXIT REQ.			3	3 X .2" = .6"	34"	04



EXIT ANALYSIS



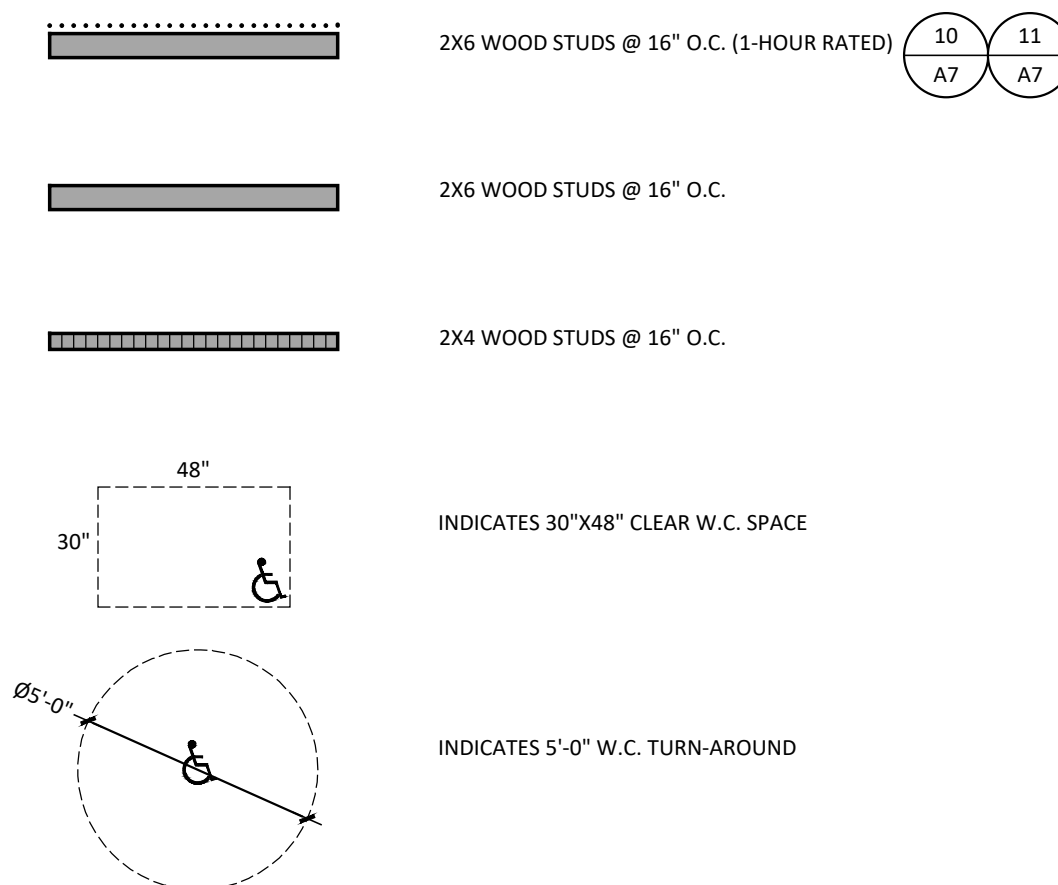
FLOOR PLAN

SCALE 1/4" = 1'-0"

- GENERAL FLOOR PLAN NOTES:

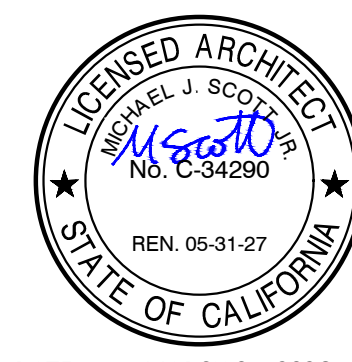
1. ALL PLAN DIMENSIONS ARE TO FACE OF PLYWOOD OR FACE OF STUD U.O.N.
2. REFER TO THIS SHEET FOR EXIT ANALYSIS.
3. CONSTRUCT ALL WALLS PER WALL ASSEMBLY KEY PLAN ON SHEET A7.
4. REFER TO ELEVATIONS AND DOOR SCHEDULE FOR ALL OOM AND BUILDING SIGNAGE.
5. FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS, SEE INTERIOR ELEVATIONS AND DETAILS
6. FINISH ALL GYPSUM BOARD EDGES PER DETAIL 
7. WHERE SOUND INSULATION OR THERMAL INSULATION IS SHOWN ON WALL ASSEMBLY, INSULATION SHALL BE INSTALLED FULL HEIGHT OF WALL. REFER TO SPEC SECTION 07.2100.
8. FIRE BLOCKING SHALL BE PROVIDED IN CONCEALED SPACES OF STUDS AND PARTITIONS, INCLUDING FURRED SPACES, AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS:
 1. VERTICALLY AT CEILING AND FLOOR LEVELS.
 2. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET.
9. FOR TYPICAL VAPOR BARRIER AT CONCRETE SLAB CONDITIONS, REFER TO DETAILS
10. FOR WALL PENETRATIONS, SEE 
11. F.E.C. FOR FIRE EXTINGUISHER CABINET, SEE 

FLOOR PLAN LEGEND:



FLOOR PLAN KEY NOTES THIS SHEET ONLY:

- | | | |
|---|--|-----------|
| 1 | HI-LO DRINKING FOUNTAIN W/BOTTLE FILLER, SEE | 6
A2 |
| 2 | ROOF OVERHANG SHOWN DASHED | |
| 3 | FILL PLUMBING CHASE W/ NONCOMBUSTIBLE INSULATION | |
| 4 | 5/8" TYPE 'X' FIRE BLOCKING, SEE | 18
A11 |
| 5 | ICE MACHINE, OPCJ, "MANITOWOC" MODEL S-422 ON MODEL B-400 BINS | |
| 6 | IDF SEE ELECTRICAL SHEETS | |
| 7 | SERVICE SINK SEE PLUMBING SHEETS | |

DATE: MARCH 31, 2020

**NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL**
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THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

— 100 —



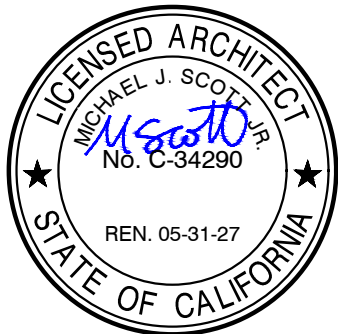
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TITLE FLOOR PLAN

A1

PROJECT 25057



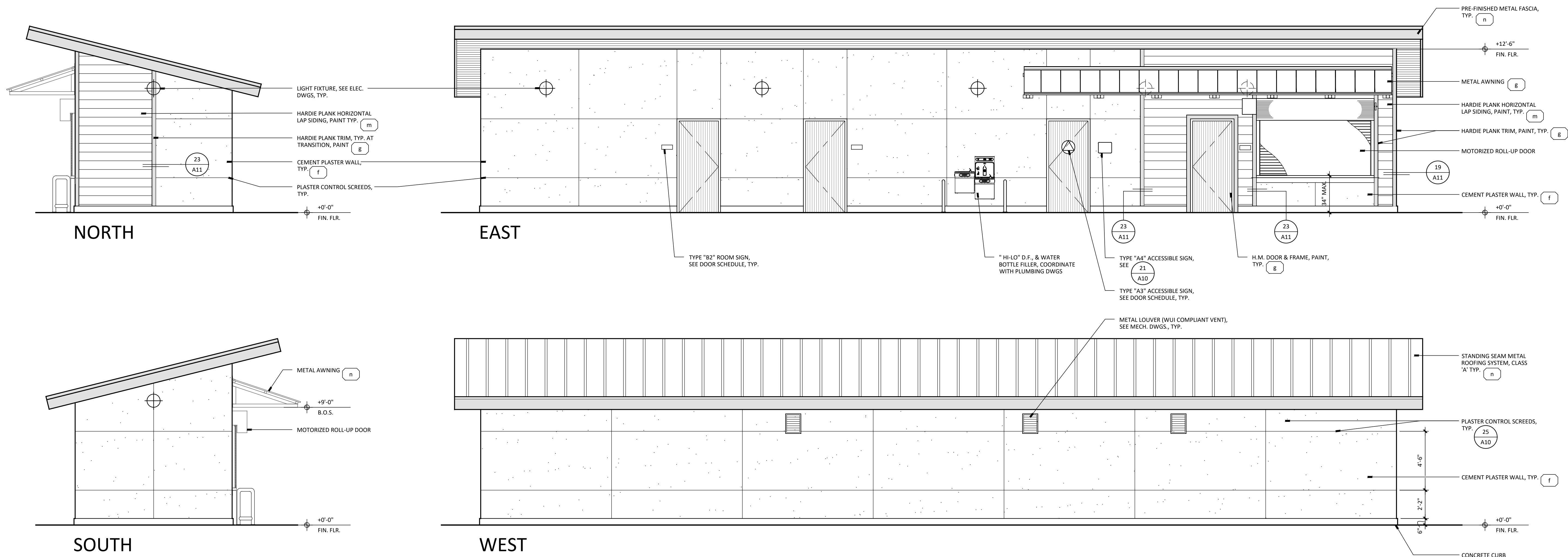
DATE: MARCH 31, 2026

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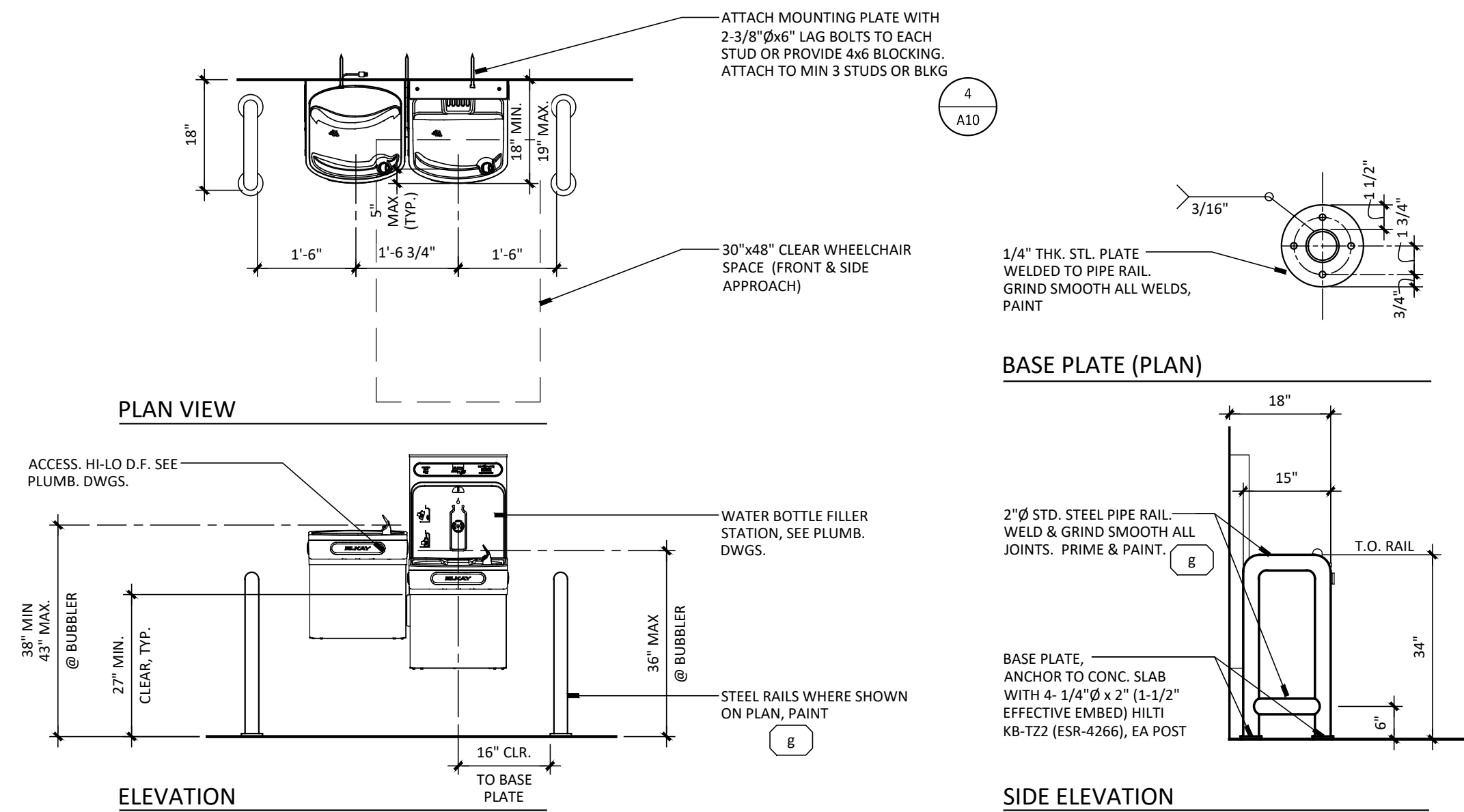
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TITLE
EXTERIOR ELEVATIONS
A2
PROJECT **25057**



EXTERIOR ELEVATIONS

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



6 NEW HI-LO DRINKING FOUNTAIN

SCALE: 1/2"= 1'-0"



DATE: MARCH 31, 2026

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TITLE
REFLECTED CEILING
PLAN, ROOF PLAN

A3

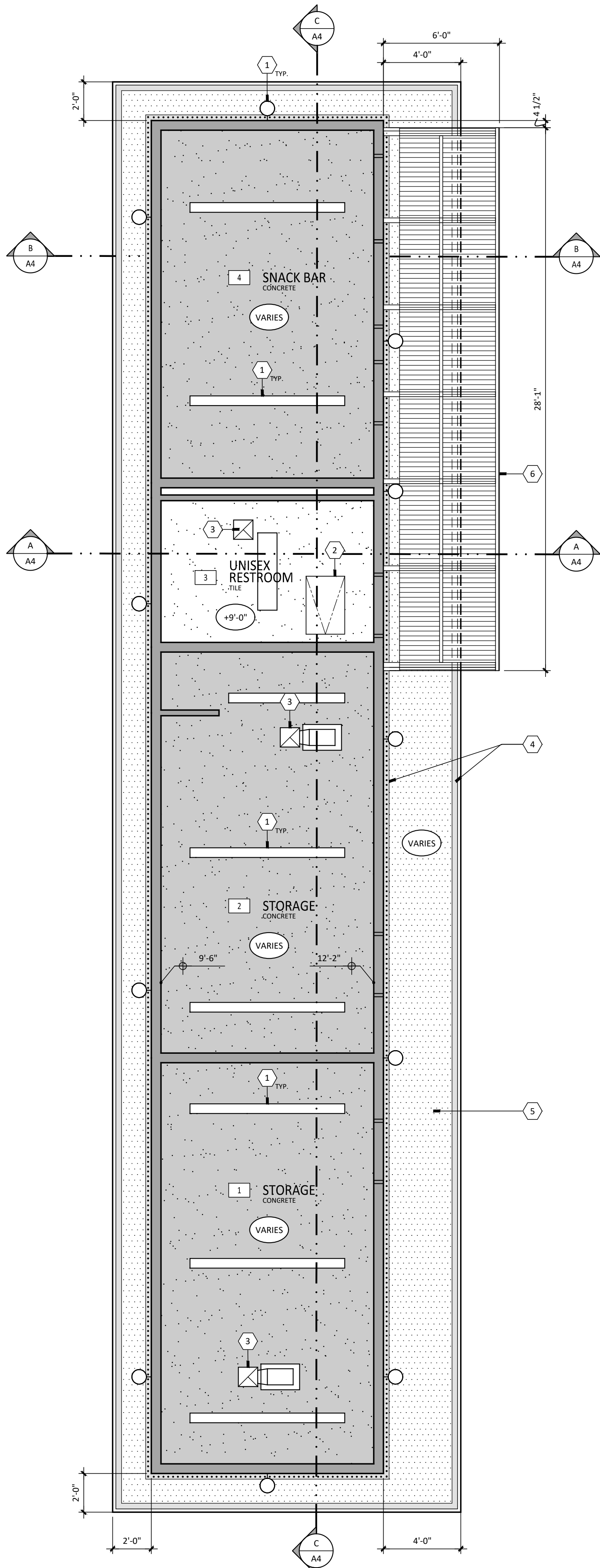
PROJECT **25057**

REFLECTED CEILING PLAN LEGEND

- TAPED, TEXTURED, AND PAINTED 5/8" THICK GYP. BD. CEILING
- DOUBLE LAYER OF TAPED, TEXTURED, AND PAINTED 5/8" THICK GYP. BD. CEILING
- 1/4" THICK VENTED HARDI SOFFIT, PAINT
- ELEVATION ABOVE FINISH FLOOR
- FINISH TAG, SEE FINISH SCHEDULE

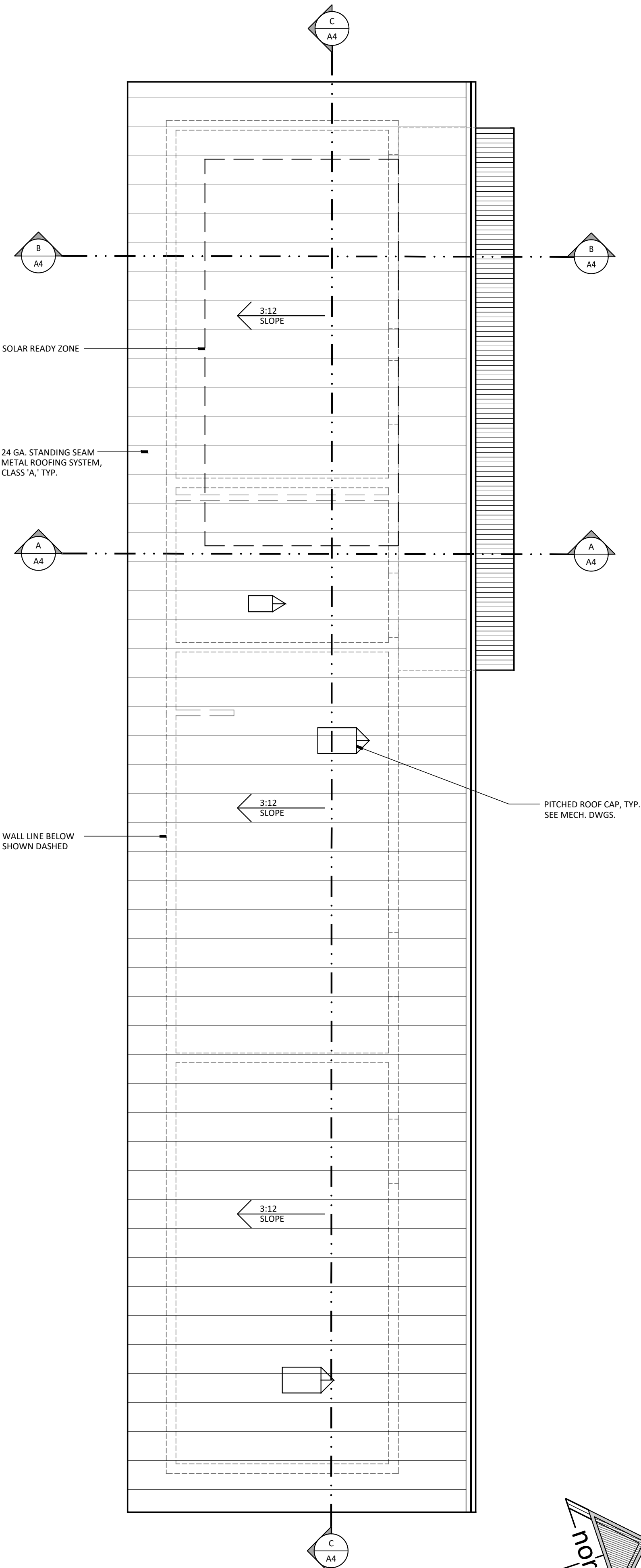
REFLECTED CEILING PLAN KEYNOTES

- 1 LIGHT FIXTURE AS SHOWN, SEE ELECTRICAL DWGS.
- 2 22"X 30" CEILING ACCESS, SEE 15 A10
- 3 EXHAUST FAN, SEE MECHANICAL DWGS.
- 4 1" X 3 1/2" HARDI TRIM, PAINT 8
- 5 1/4" VENTED HARDI SOFFIT, PAINT m
- 6 METAL AWNING FRAMING AND PRE-FINISHED ROOFING PANELS



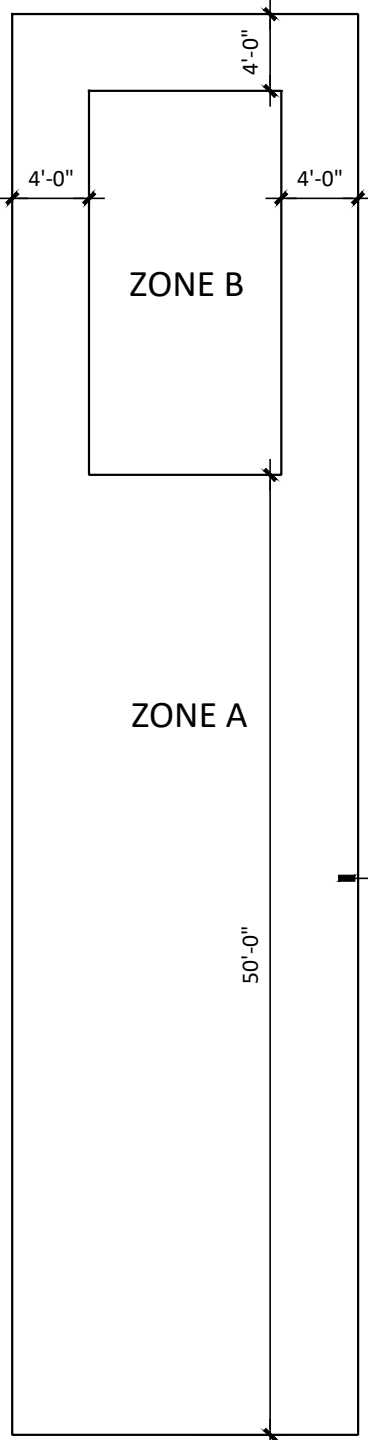
REFLECTED CEILING PLAN

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



ROOF PLAN

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



ZONE	MAX CLIP SPACING (ALONG PANEL JOINT)
ZONE A	48" O.C. MAX.
ZONE B (FUTURE SOLAR PANELS)	48" O.C. MAX.

EACH CLIP IS TO BE FASTENED TO ROOF SHEATHING W/ (2) #10-12 x 1" PANCAKE HEAD WOOD SCREWS. ALL CLIPS ARE 18 GA. STD. CLIPS.

21 SSM ROOF CLIP SPACING

SCALE: 1"=10'-0"



DATE: MARCH 31, 2026

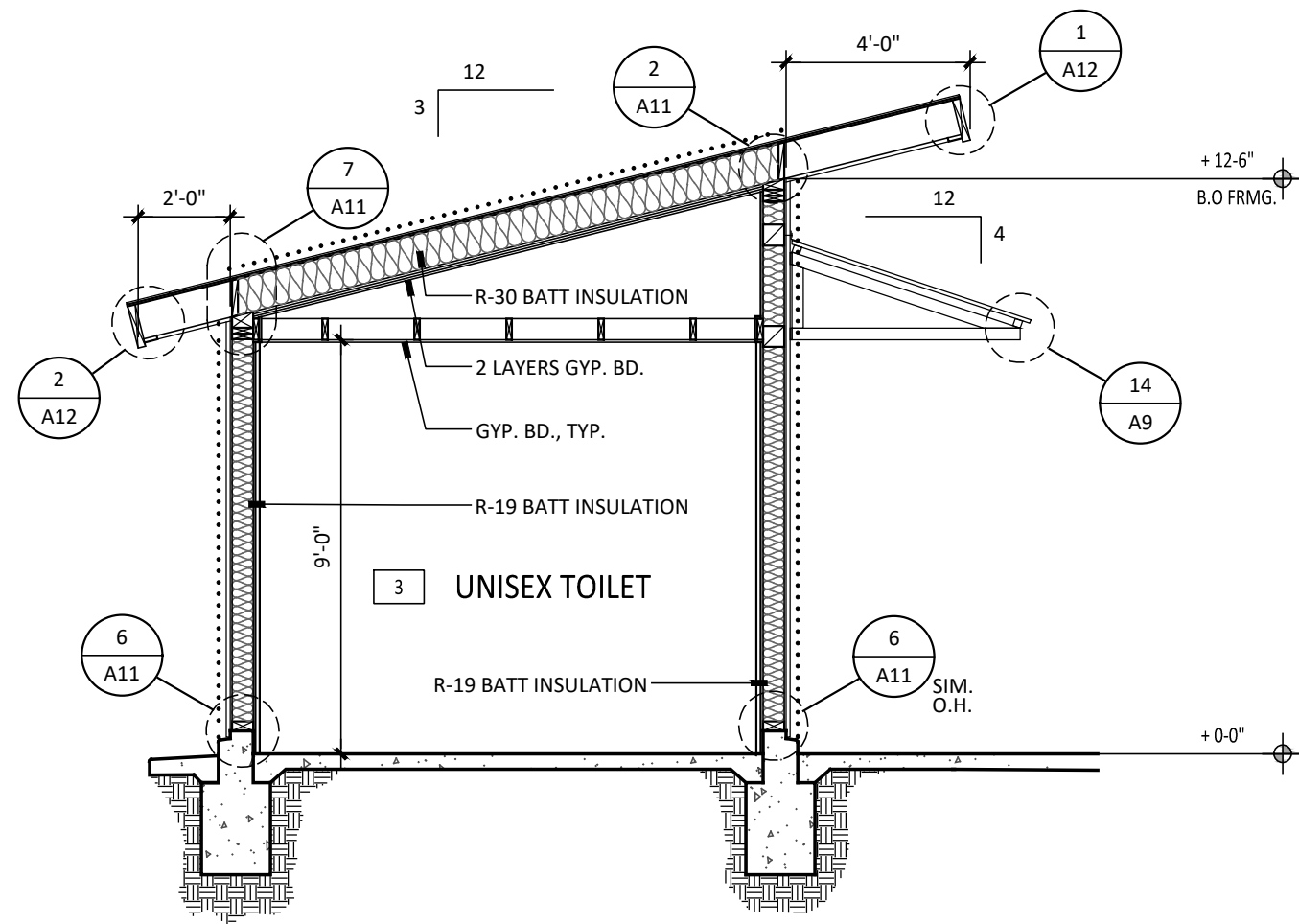
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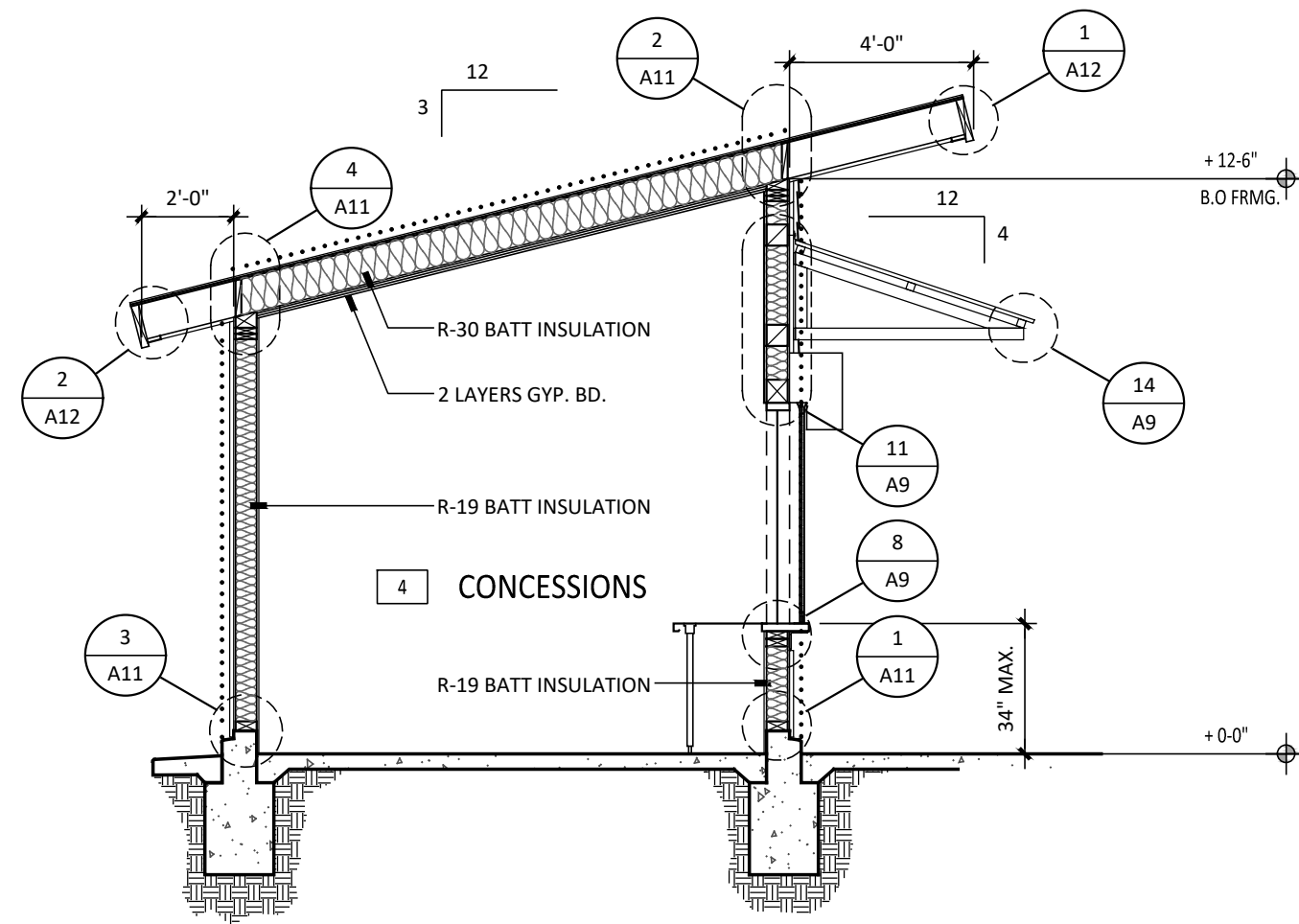
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TITLE
SECTIONS
A4
PROJECT
25057

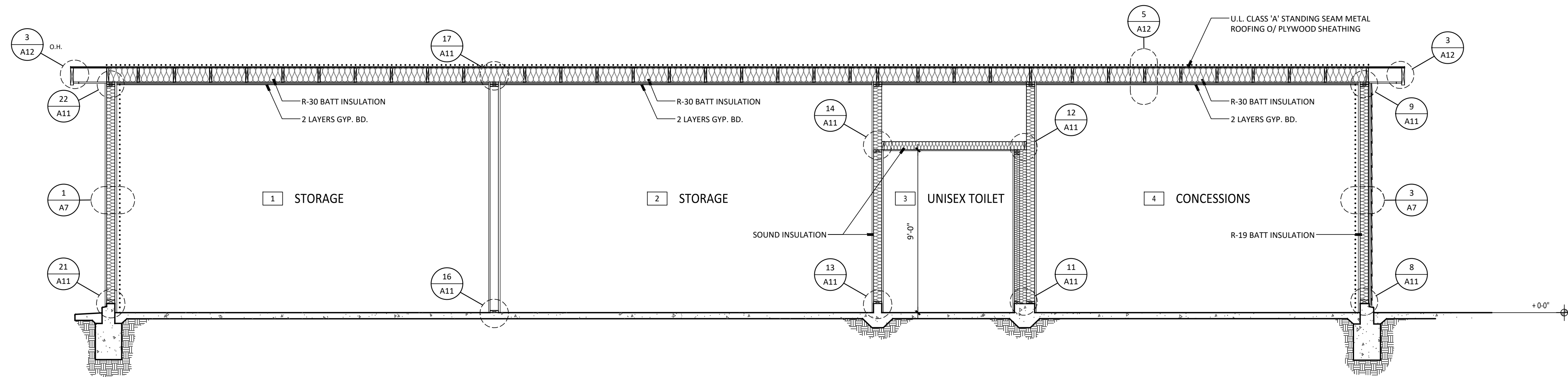
LEGEND:
..... 1-HOUR RATED WALL OR
ROOF/CEILING ASSEMBLY



A BUILDING F - BUILDING SECTION
SCALE: 1/4" = 1'-0"



B BUILDING F- BUILDING SECTION
SCALE: 1/4" = 1'-0"



C BUILDING F - BUILDING SECTION
SCALE: 1/4" = 1'-0"

BUILDING SECTIONS

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

REVISIONS	

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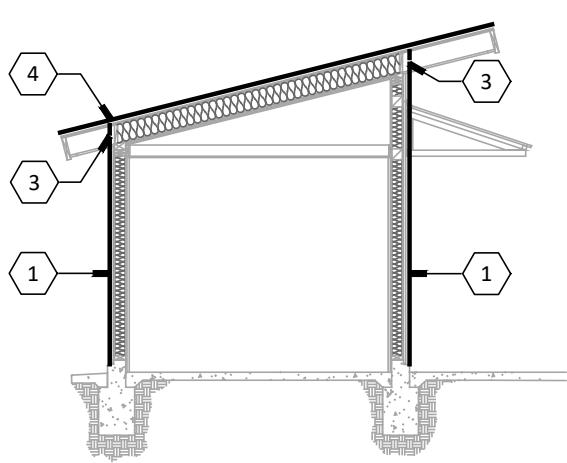
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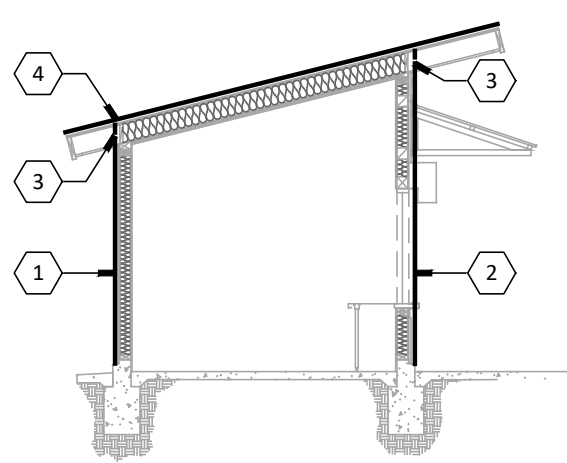
TITLE
AIR BARRIER
SECTIONS

A5

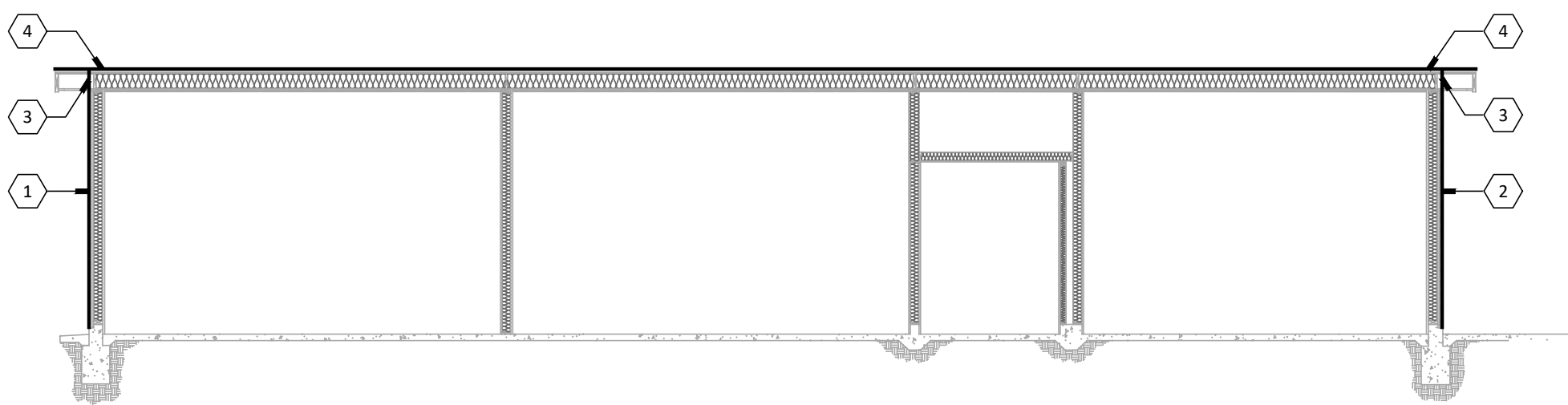
PROJECT25057



A AIR BARRIER SECTION
SCALE: 1/8" = 1'-0"



B AIR BARRIER SECTION
SCALE: 1/8" = 1'-0"



C AIR BARRIER SECTION
SCALE: 1/8" = 1'-0"

AIR BARRIER KEYNOTES:

- 1 PLASTER & PLYWOOD AS AIR BARRIER WHERE SHOWN
- 2 PLYWOOD AS AIR BARRIER WHERE SHOWN
- 3 SOLID WOOD FRAMING / BLOCKING, SEALED WITH FOAM-IN-PLACE INSULATION TO COMPLETE AIR BARRIER
- 4 STANDING SEAM METAL ROOFING UNDERLAYMENT

AIR BARRIER NOTES:

1. BRIDGE AND SEAL AIR LEAKAGE PATHWAYS AND GAPS, INCLUDING, BUT NOT LIMITED TO:
-CONNECTIONS OF THE WALLS TO THE ROOF AIR BARRIER
-CONNECTIONS OF THE WALLS TO THE FOUNDATIONS
-SEISMIC AND EXPANSION JOINTS
-OPENINGS AND PENETRATIONS OF WINDOW AND DOOR FRAMES, STORE FRONT, CURTAIN WALL
-PIPING, CONDUIT, DUCT, AND SIMILAR PENETRATIONS
-MASONRY TIES, SCREWS, BOLTS, AND SIMILAR PENETRATIONS
-FLASHING AND SHEET METAL ASSEMBLIES
-ALL OTHER AIR LEAKAGE PATHWAYS IN THE BUILDING ENVELOPE
2. REFER TO 07 2700 AIR BARRIER SYSTEM FOR ADDITIONAL REQUIREMENTS

AIR BARRIER SECTIONS

SCALE: 1/8"=1'-0"



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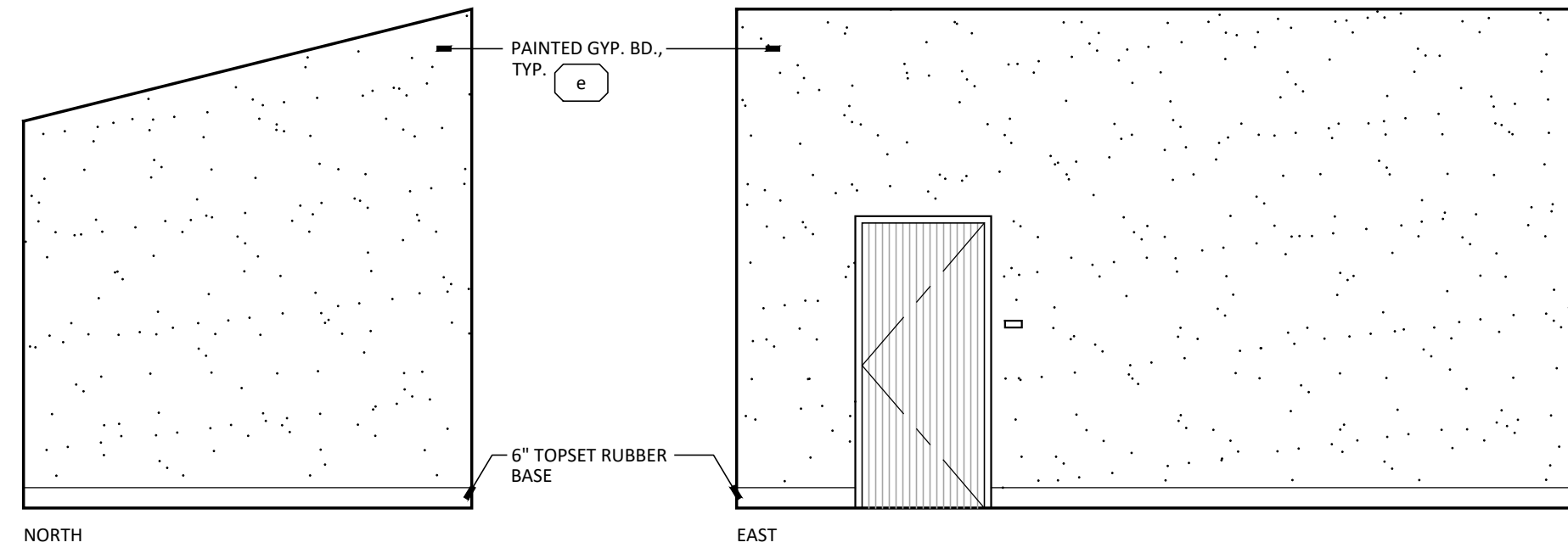
1	
2	
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7	

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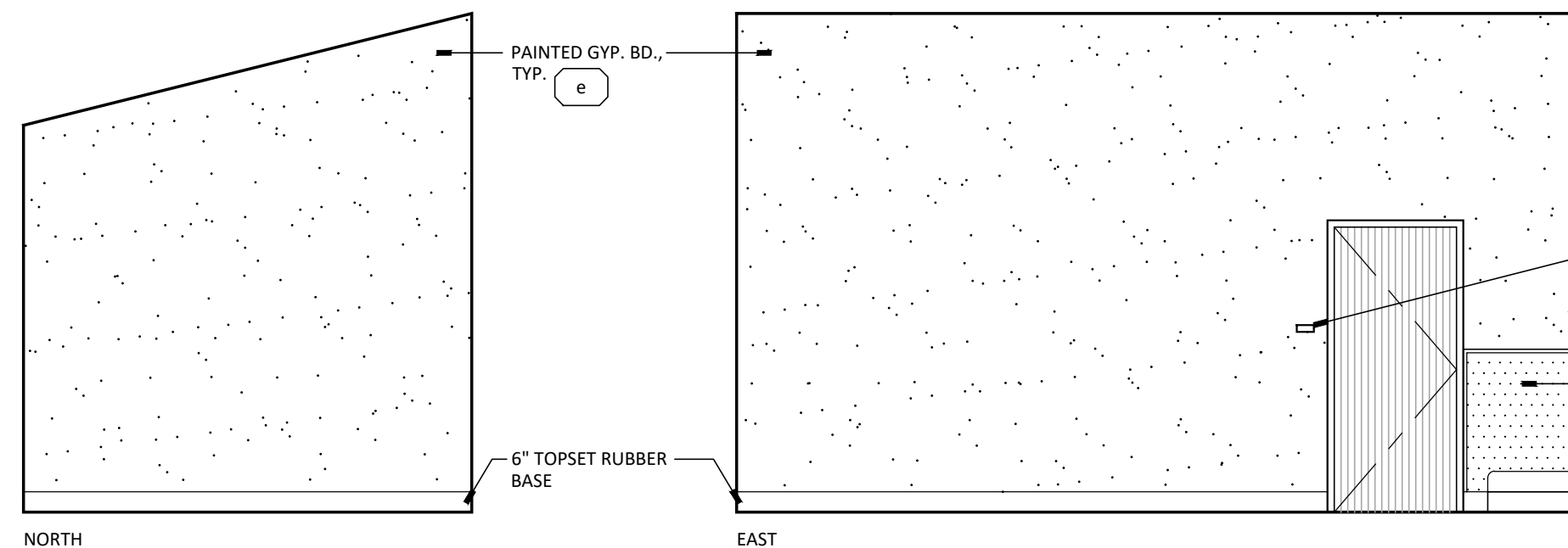
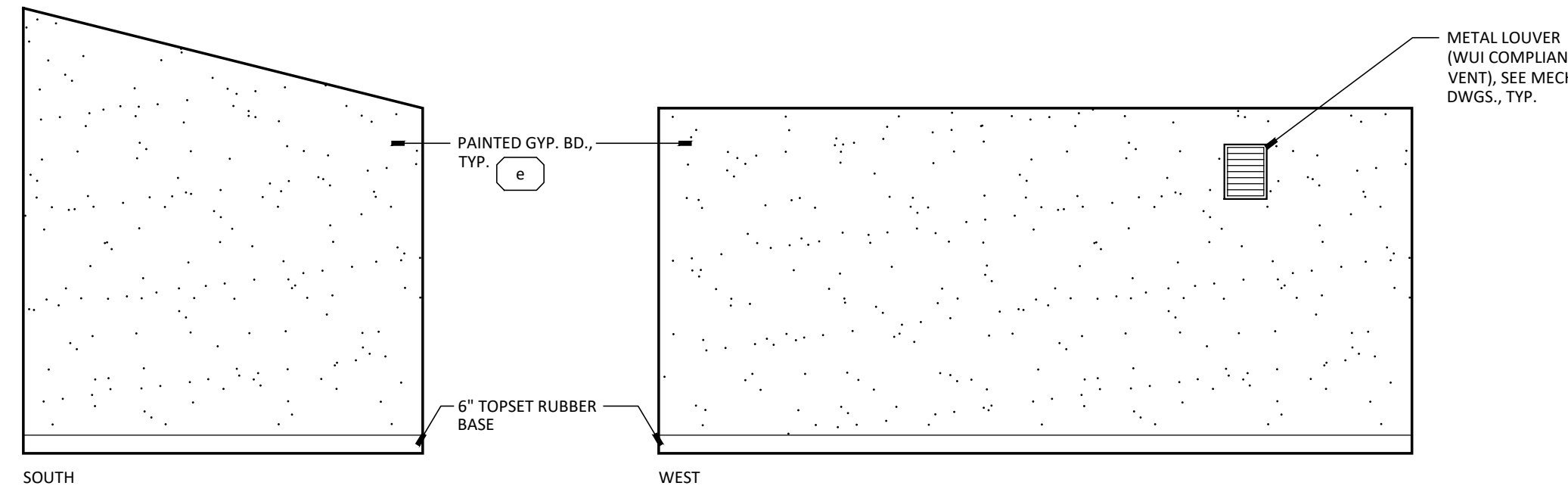
TITLE
INTERIOR
ELEVATIONS

A6

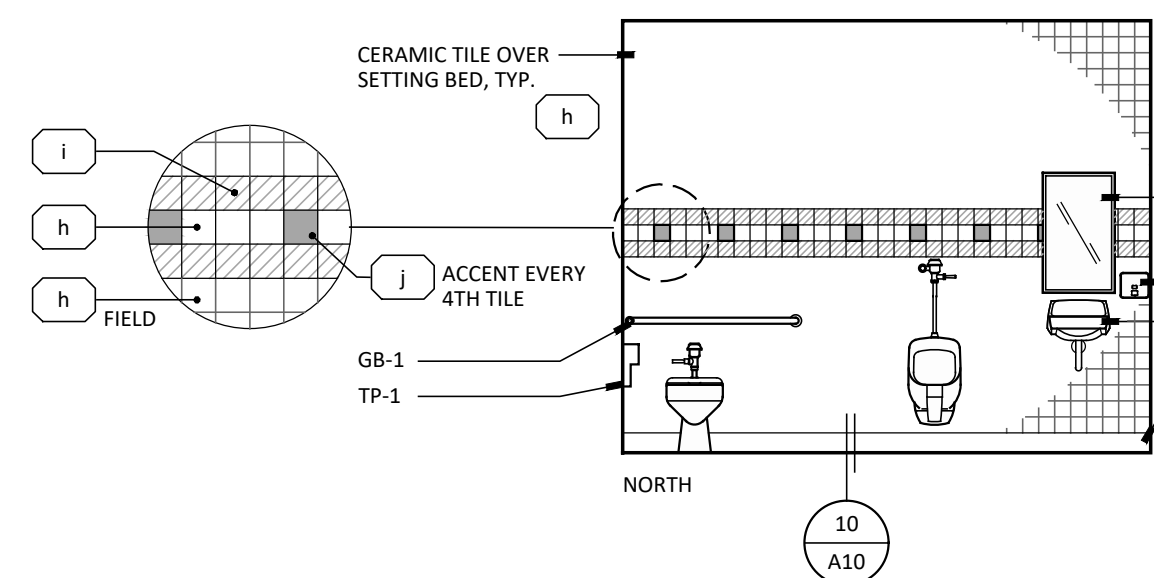
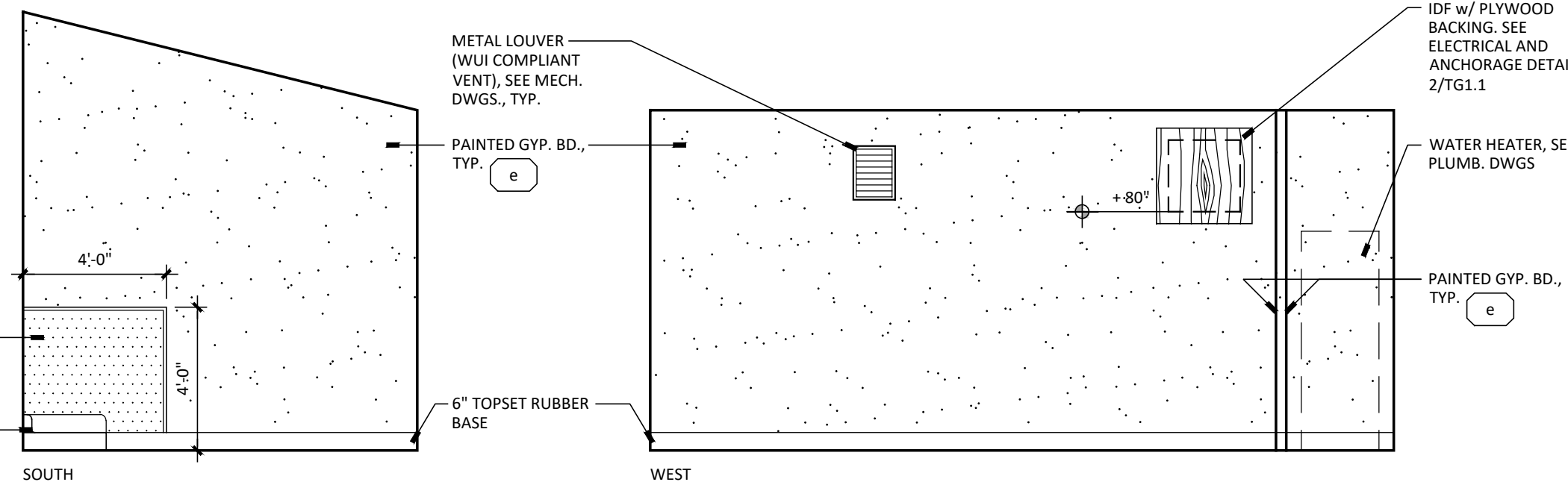
PROJECT 25057



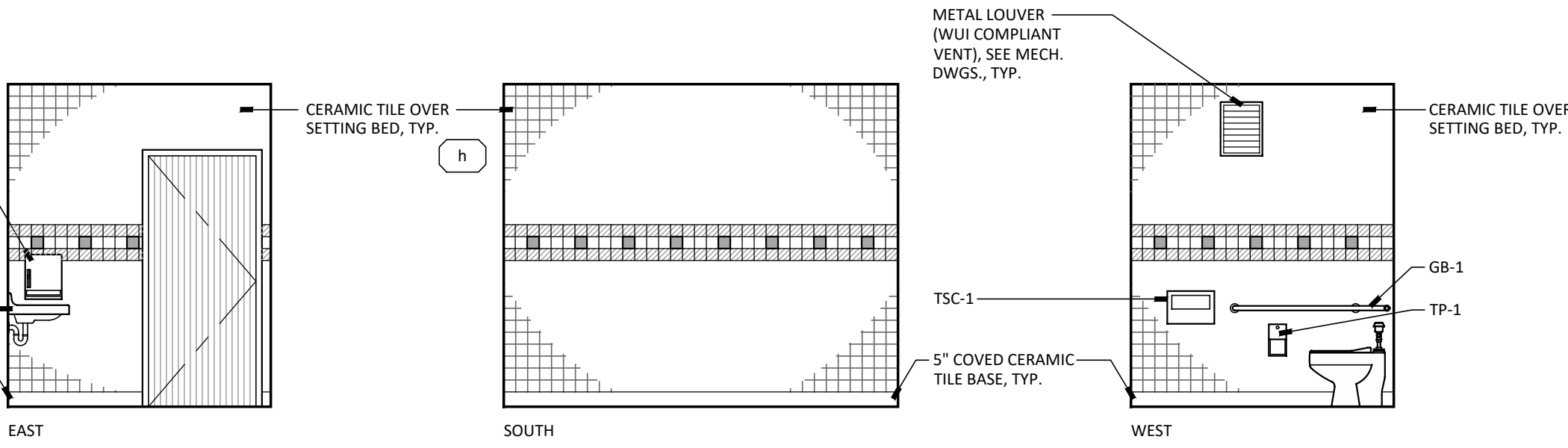
01 STORAGE



02 STORAGE

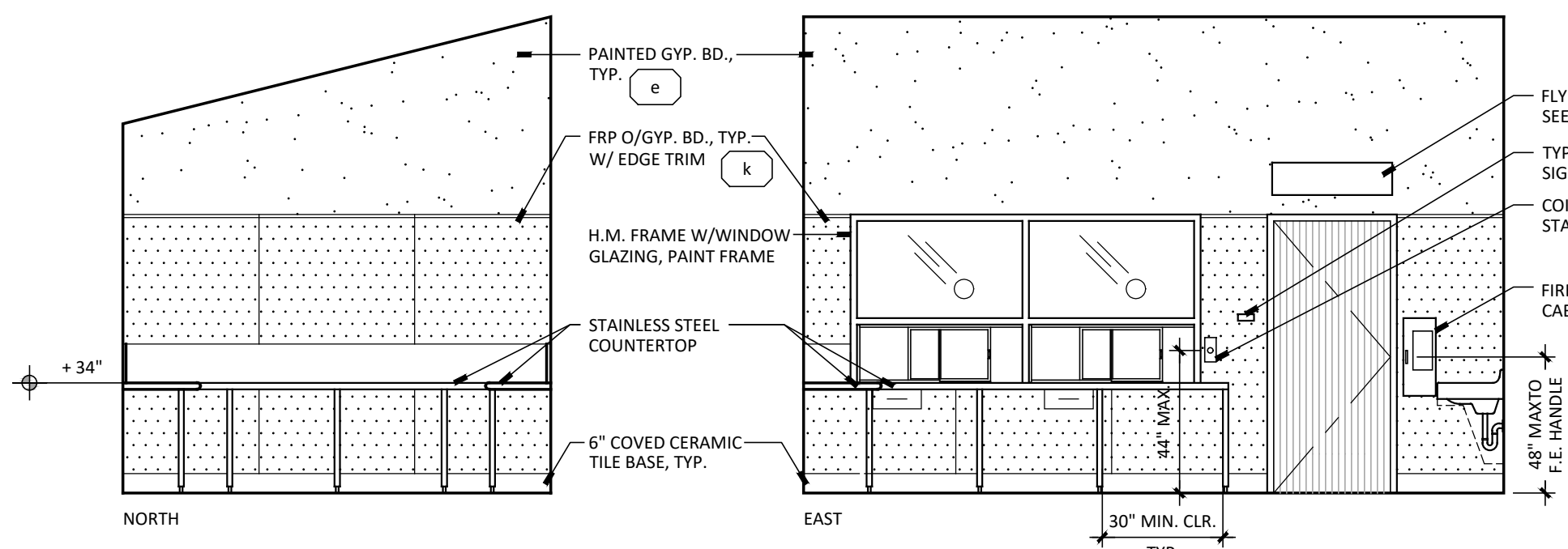


03 UNISEX RESTROOM REFER TO 6/A10 FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS U.O.N.

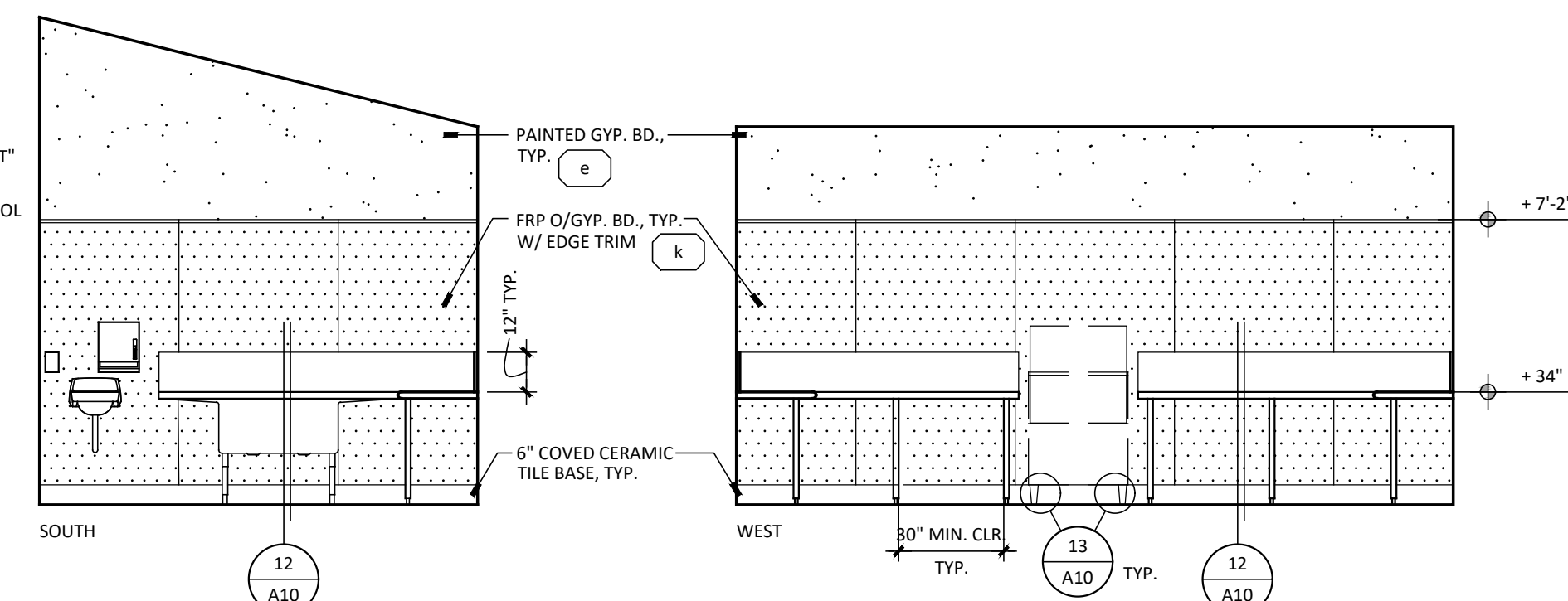


INTERIOR ELEVATION NOTES

1. = MATERIAL DEFINITION. REFER TO SHEET A8
2. REFER TO FINISH SCHEDULE SHEET A8 FOR DESIGNATION OF FINISHES.
3. REFER TO 6 / A10 FOR TYPICAL ACCESSIBLE MOUNTING HEIGHTS AND REQUIREMENTS, U.O.N.
4. REFER TO SPECIFICATIONS FOR TOILET ACCESSORY ABBREVIATIONS.
5. FOR ACCESSIBLE LAV., SEE DETAIL 14 / A10
6. SEE 21 / A10 AND DOOR SCHEDULE FOR TYPICAL DOOR SIGNAGE.
7. REFER TO 19 / A10 FOR TYPICAL GYPSUM BOARD EDGE DETAILS.
8. SEE 24 / A10 FOR RECESSED FIRE EXTINGUISHER CABINET INFORMATION.
9. SEE 8 / A10 FOR TYPICAL GRAB BAR ANCHORAGE.
10. ANY DISCREPANCY BETWEEN THE LOCATION OF DEVICES, FIXTURES, ETC., SHOWN HERE AND ON ANY PLUMBING, ELECTRICAL, MECHANICAL, OR SANITARY SEWER SHEETS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO LAYOUT.
11. ANY ACCESSORIES SHOWN N.I.C. SHALL BE PROVIDED BY THE OWNER. CONTRACTOR TO PROVIDE BLOCKING PER 8 / A10, AT LOCATION SHOWN AND INSTALLATION OF ACCESSORIES.

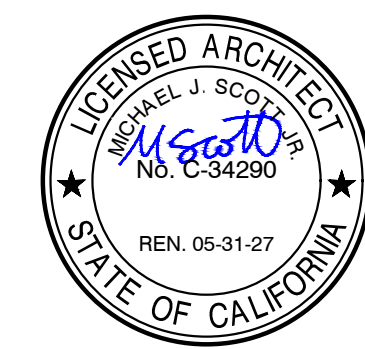


04 SNACK BAR



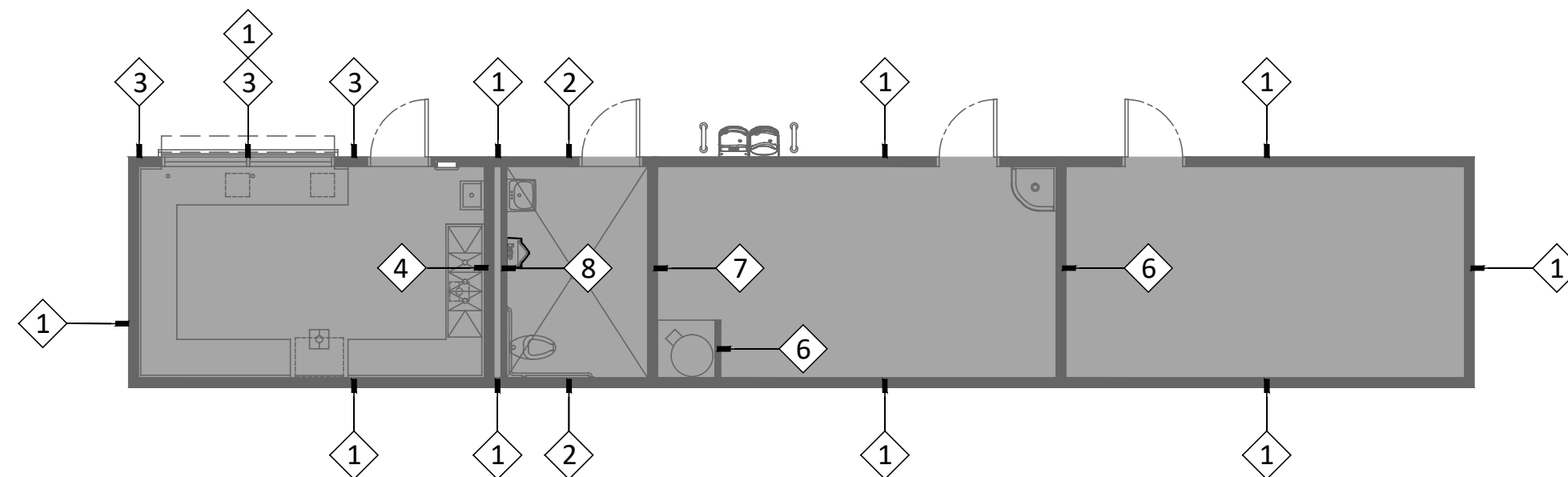
INTERIOR ELEVATIONS

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

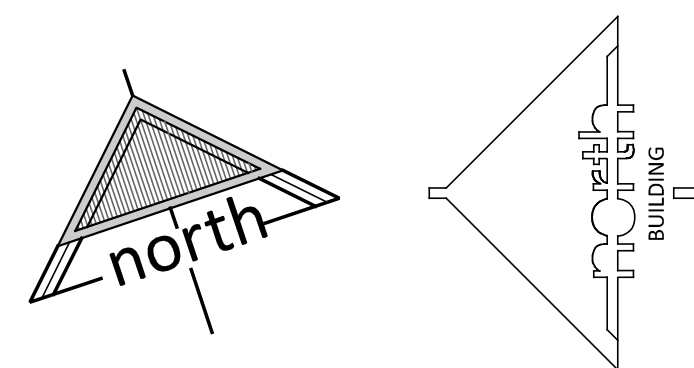


DATE: MARCH 31, 2026

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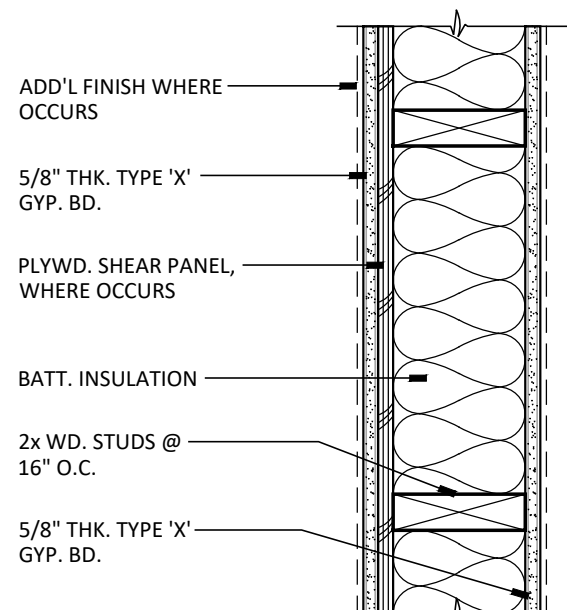


LEGEND
→ WALL ASSEMBLY DETAIL ON THIS PAGE



WALL ASSEMBLY KEY PLAN

SCALE: 1/8" = 1'-0"



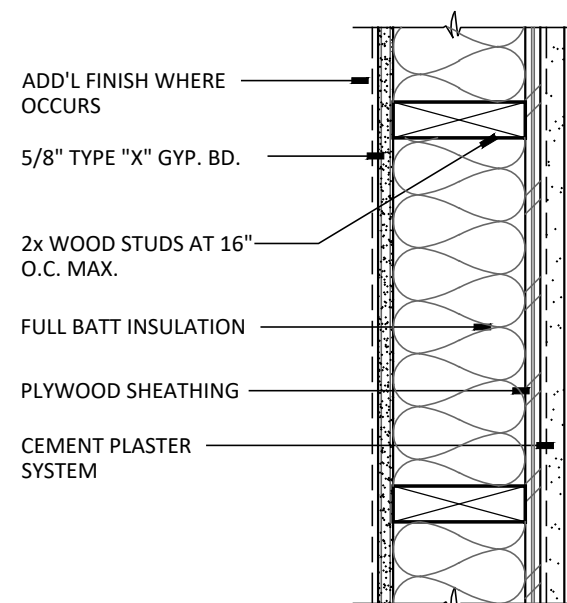
1 - HOUR RATED WALL
CBC TABLE 720.1(2): 15-1.12

WOOD STUDS:
2x AT 16" O.C. CROSS BRACED AT
MID-HEIGHT AND FIRESTOPPED AT TOP
AND BOTTOM OF WALL & AT CLG. LINE

GYPSUM WALLBOARD:
5/8" THICK, 4' WIDE, TYPE "X". INSTALLED
VERTICALLY AND ATTACHED TO WOOD
STUDS w/ 6d COOLER NAILS AT 7" O.C. MAX.
PLACE END JOINTS ON NAILING MEMBERS.

11 TYP. INTERIOR WALL ASSEMBLY

SCALE: 1 1/2" = 1'-0"



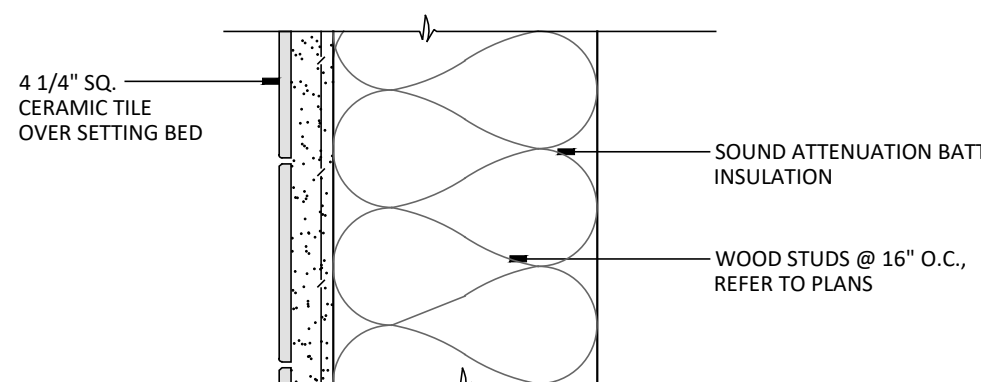
1 - HOUR RATED WALL
CBC TBLE 721.1(2): 15-1.3

WOOD STUDS : 2x AT 16" O.C. CROSS
BRACED AT MID-HEIGHT AND FIRE- STOPPED
AT TOP AND BOTTOM OF WALL.

7/8" CEMENT PLASTER ON THE EXTERIOR
SURFACE WITH INTERIOR SURFACE
TREATMENT AS GYPSUM WALLBOARD: 5/8"
THICK, 4' WIDE, TYPE 'X' GYP. BD. INSTALLED
VERTICALLY AND ATTACHED TO WOOD
STUDS w/ 16d COOLER NAILS AT 7" O.C.
MAX. PLACE END JOINTS ON NAILING
MEMBERS.

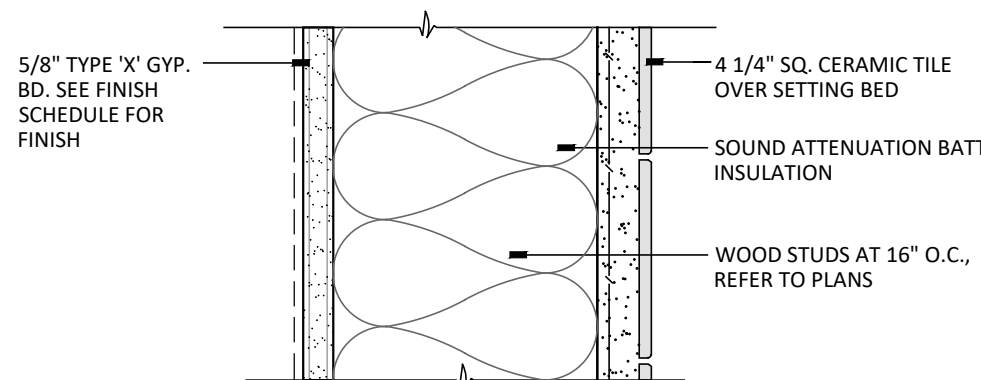
10 1-HR. RATED EXTERIOR WALL

SCALE 1 1/2" = 1'-0"



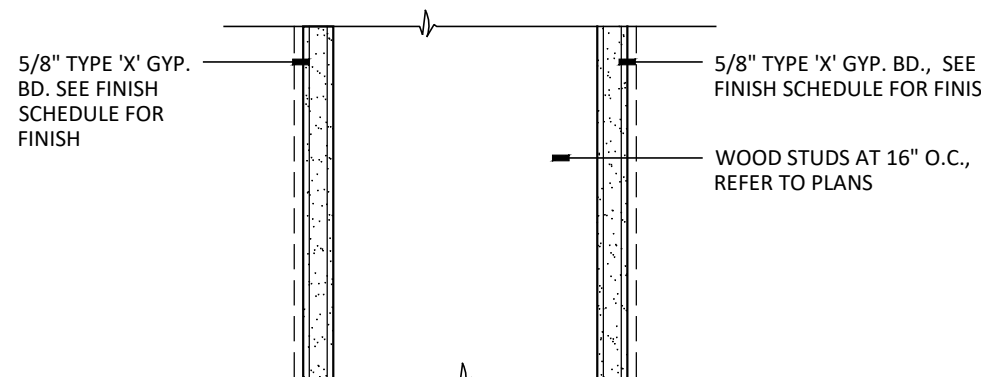
8 WALL ASSEMBLY

SCALE: 3" = 1'-0"



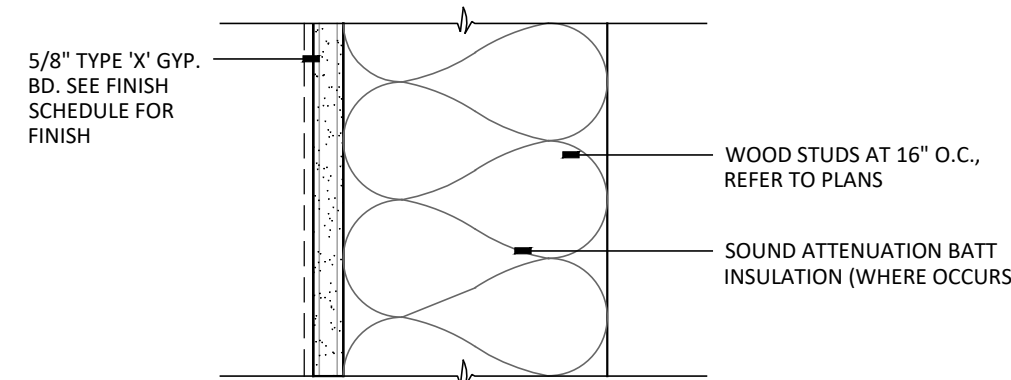
7 WALL ASSEMBLY

SCALE: 3" = 1'-0"



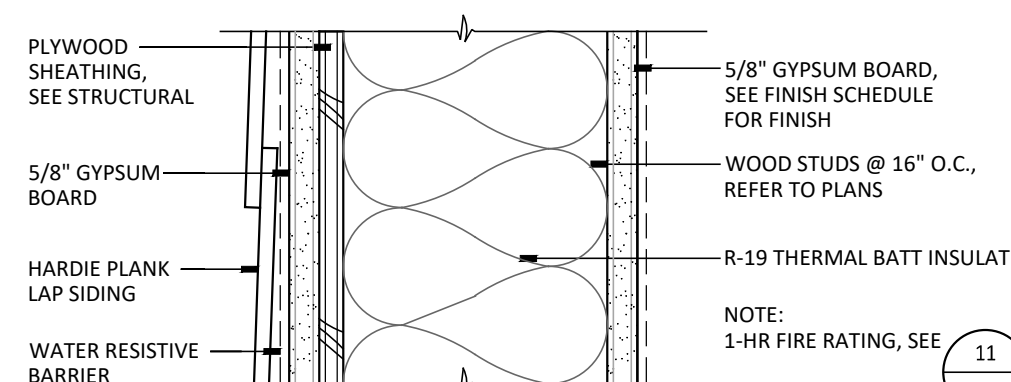
6 WALL ASSEMBLY

SCALE: 3" = 1'-0"



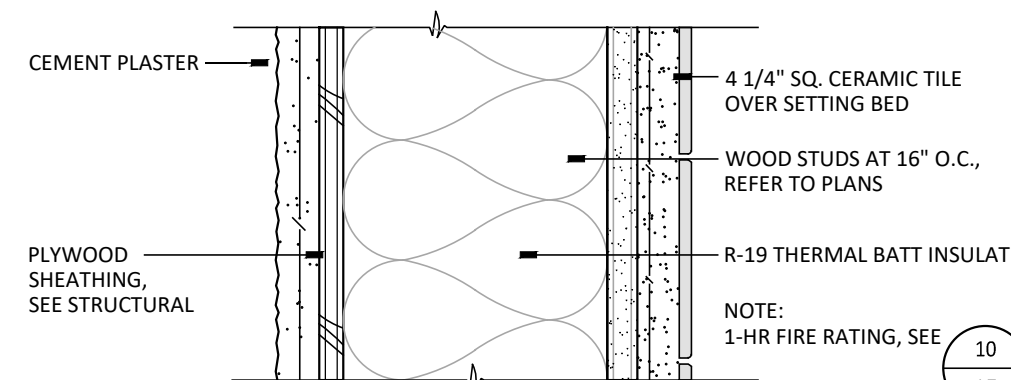
4 WALL ASSEMBLY

SCALE: 3" = 1'-0"



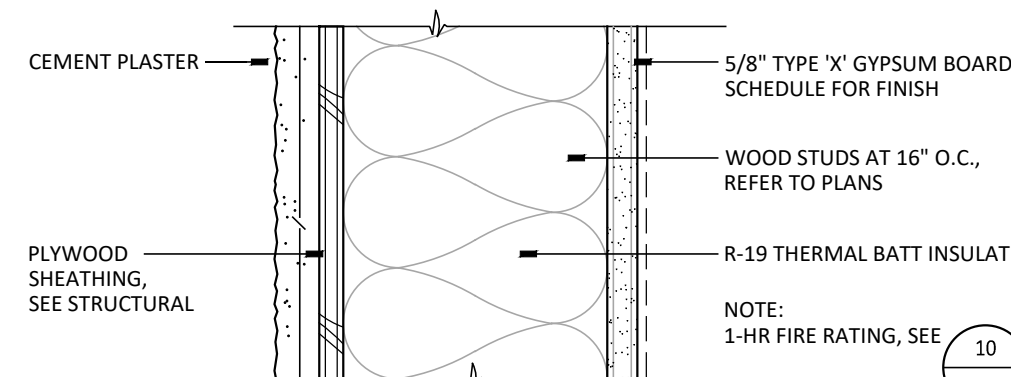
3 WALL ASSEMBLY

SCALE: 3" = 1'-0"



2 WALL ASSEMBLY

SCALE: 3" = 1'-0"



1 WALL ASSEMBLY

SCALE: 3" = 1'-0"

W: 01 - REV - 25_06.11

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TITLE
WALL ASSEMBLIES

A7

PROJECT 25057



DATE: MARCH 31, 2026

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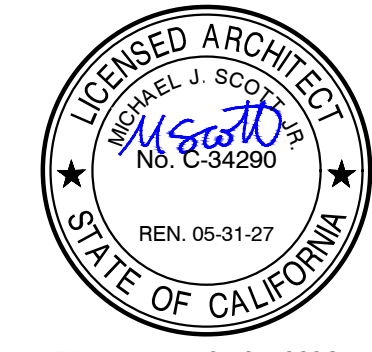
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TITLE
DOOR SCHEDULE,
FINISH SCHEDULE,
& FRAME TYPES

A8

PROJECT 25057

DOOR SCHEDULE																	INTERIOR ROOM FINISH SCHEDULE																																				
BLDG. NO.	DOOR NO.	TYPE	DIMENSIONS			HWR. GROUP	FINISH	FIRE RATING	FRAME			DETAILS				SIGNAGE		REMARKS:	BLDG.	ROOM NUMBER & NAME		FLOOR		BASE		WAINSCOT		N. WALL		E. WALL		S. WALL		W. WALL		CEILING			COUNTER		UPPER		LOWER		REMARKS:								
			WIDTH	HGT.	THK.				TYPE	DEPTH	FINISH	HEAD	JAMB	JAMB	SILL	TYPE	TEXT					MAT'L	FIN.	MAT'L	FIN.	MAT'L	FIN.	MAT'L	FIN.	MAT'L	FIN.	MAT'L	FIN.	MAT'L	FIN.	HGT.	MAT'L	FIN.	MAT'L	FIN.	MAT'L	FIN.											
BUILDING "F"	01	A	3'-0"	7'-0"	1 3/4"	01	g		1	8 3/8"	g	5	5	5	1	B2	STORAGE	** INDICATES VERIFY RM. NAME & NUMBER WITH OWNER PRIOR TO FABRICATION, TYP.	BUILDING "F"	1		STORAGE	10	-	20	c	-	-	40	e	40	e	40	e	40	e	50	e	VARIES	-	-	-	-	-	-								
	02	A	3'-0"	7'-0"	1 3/4"	01	g		1	8 3/8"	g	A9	A9	A9	A9	-	-						2	STORAGE	10	-	20	c	-	-	40	e	40	e	40	e	40	e	50	e	VARIES	-	-	-	-	-	-						
	03	A	3'-0"	7'-0"	1 3/4"	03	g		1	9"	g	7	7	7	1	A3/A4	ALL GENDER								3	ALL GENDER RESTROOM	11	b	21	d	-	-	42	h,i,j	42	h,i,j	42	h,i,j	42	h,i,j	50	e	9'-0"	-	-	-	-	-	-				
	04	A	3'-0"	7'-0"	1 3/4"	02	g		1	9"	g	3	2	2	1	B2	CONCESSIONS										4	CONCESSIONS	11	b	22	d	-	-	40	e	40	e	40	e	40	e	50	e	VARIES	60	a	-	-	-	-	-	
	05	B	9'-0"	4'-8"	-	04	g		2	9"	g	A9	A9	A9	A9	-	-																																				
DOOR SCHEDULE NOTES																	FINISHES														MATERIALS																						
1. VERIFY DOOR SWINGS WITH FLOOR PLAN. 2. METAL FRAMES SHALL FIT TIGHT TO WALL. SHIM GYP. BD. AS REQUIRED FOR PLUMB TOLERANCE AT FRAME AND GYP. BD. 3. PAINT H.M. DOORS AND FRAMES SEMI-GLOSS ENAMEL IN ACCORDANCE WITH SPECIFICATIONS. REFER TO FINISH COLORS FOR DESIGNATION. 4. PAINT DOORS AND FRAMES SEMI-GLOSS IN ACCORDANCE WITH SPECIFICATIONS. DO NOT PAINT OR ALTER FIRE RESISTANCE RATING LABELS, WHERE OCCURS. 5. PAINT DOORS THE SAME COLOR ON BOTH SIDES UNLESS OTHERWISE NOTED THUS: INTERIOR EXTERIOR WHEN INTERIOR AND EXTERIOR COLORS ARE DIFFERENT, LATCH EDGE SHALL MATCH EXTERIOR COLOR AND HINGE EDGE SHALL MATCH INTERIOR COLOR. FINISH ALL EDGES. 6. REFER TO SPECIFICATIONS FOR DOOR SIGNAGE TYPES. ALL SIGNS SHALL INCLUDE BRAILLE IDENTIFICATION IN ACCORDANCE WITH CBC. FOR TYPICAL SIGNAGE / MOUNTING, SEE DETAIL 21/A10. 7. VERIFY ALL ROOM SIGNAGE TEXT WITH OWNER PRIOR TO LAYOUT. 8. REFER TO SPECIFICATIONS FOR DOOR HARDWARE AND SCHEDULES. 9. SEE SHEET A8 FOR FRAME TYPES 10. REFER TO GLAZING SCHEDULE ON SHEET A8 AND THE SPECIFICATIONS FOR TYPES OF GLAZING NOTED. 11. ALL CLASSROOM AND ROOMS WITH AN OCCUPANT LOAD OF 5 OR MORE MUST BE LOCKABLE FROM THE INTERIOR. 12. ALL DIMENSIONS ARE +/-, VERIFY IN THE FIELD (OR WITH FLOOR PLAN FOR APPROXIMATE AS INDICATED).																	a REFER TO SPECIFICATIONS FOR MATERIAL / COLOR DESIGNATION b "POLISHED CONCRETE" COLOR: GRAY c "ROPPE" #129 DOLPHIN d 'DAL TILE' KEYTONES #D200 DESERT GRAY SPECKLE WITH CUSTOM BUILD. PROD. #386 OYSTER GRAY GROUT e SHERWIN WILLIAMS TO MATCH 'FRAZEE PAINT' #CLW 1042W MISTAYA f SHERWIN WILLIAMS TO MATCH 'FRAZEE PAINT' #CL 3171W SILVER LINING (GRAY TO MATCH PORTLAND STONE CR) g SHERWIN WILLIAMS TO MATCH 'FRAZEE PAINT' #CLC 1289N LAVIA CAKE (RED TO MATCH COLONIAL RED CR) h 'DAL TILE' SEMI-GLOSS 4 1/4 X 4 1/4- #K175 BISCUIT WITH CUSTOM BUILD. PROD. #386 OYSTER GRAY GROUT i 'DAL TILE' SEMI-GLOSS 4 1/4 X 4 1/4- #1469 GALAXY WITH CUSTOM BUILD. PROD. #386 OYSTER GRAY GROUT j 'DAL TILE' MARVEL COLLECTION 1 X 1 #MV31 RUBY WITH CUSTOM BUILD. PROD. #386 OYSTER GRAY GROUT k 'MARLITE' FRP #84 (P 140) IVORY m 'HARDIE PLANK' IRON GRAY n 'MBCI' ROOF + TRIM, COLOR #COLONIAL RED CR														FLOOR 10 SEALED CONCRETE 11 POLISHED CONCRETE-STAINED CEILINGS 50 SEMI-GLOSS ENAMEL OVER 5/8" TYPE 'X' GYP. BD. BASE 20 6" RUBBER TOPSET 21 5" COVED CERAMIC TILE 22 6" COVED CERAMIC TILE COUNTERTOPS 60 STAINLESS STEEL TABLE WALLS 40 SEMI-GLOSS ENAMEL O/ GYP. BD. 41 FRP OVER 5/8" TYPE 'X' GYP. BD. 42 CERAMIC TILE OVER SETTING BED																						
DOOR TYPES																	EXTERIOR FINISHES														FINISH SCHEDULE NOTES																						
TYPE "A" 3'-0" 7'-0" 1 3/4" THK. H.M. DOOR WIDTH R.O. HEIGHT R.O. 34" 44" MAX. ROLL-UP DOOR MOTORIZED CONTROL (ON INTERIOR SIDE) TYPE "B" METAL ROLL-UP DOOR MOTORIZED DOOR W/INTEGRAL FRAME																	f CEMENT PLASTER m HARDI PLANK LAP SIDING (SPEC. SEC. 07 4600) g HARDI PLANK TRIM (SPEC. SEC. 07 4600) m HARDI PLANK SOFFIT (SPEC. SEC. 07 4600) n METAL ROOFING (SPEC. SEC 07 6110) n METAL TRIM (SPEC. SEC. 07 6200) g HOLLOW METAL FRAMES & DOORS (SPEC. SEC. 08 1110) g WINDOW & DOOR FRAME (SPEC. SEC. 08 1110)														1. CEILING HEIGHTS NOTED ON THIS SCHEDULE ARE FROM THE FLOOR BELOW IN THAT ROOM. THIS IS FOR THE PURPOSE OF ESTIMATING & DETERMINING INSTALLATION REQUIREMENTS. 2. REFER TO FLOOR PLANS, REFLECTED CEILING PLANS AND INTERIOR ELEVATIONS FOR EXTENT AND LOCATION OF INTERIOR FINISHES. 3. REFER TO EXTERIOR ELEVATIONS FOR EXTENT AND LOCATION OF EXTERIOR FINISHES. 4. REFER TO SPECIFICATIONS FOR METHOD OF APPLICATION AND MATERIALS DESCRIPTION. 5. WHERE MORE THAN ONE FINISH OR COLOR DESIGNATION OCCURS IN A BOX REFER TO THE APPROPRIATE PLAN OR INTERIOR ELEVATION FOR THE EXTENT AND DESIGNATION OF FINISH. 6. ALL GYP. BD. SHALL BE 5/8" THICK TYPE "X" UNLESS OTHERWISE NOTED. 7. REFER TO "INTERIOR ELEVATION NOTES" ON INTERIOR ELEVATION SHEETS FOR LOCATION IN THE DRAWINGS OF TYPICAL DETAILS. 8. FOR CABINET LAYOUT, VERIFY DIMENSIONS IN FIELD. DIMENSIONS NOTED ON DRAWINGS ARE NOMINAL - PROVIDE FILLERS @ END UNITS INCLUDING TOP OF CABINET AS REQUIRED FOR PROPER OPERATION AND CLOSING OF VOID SPACES. 9. PAINT METAL DOOR AND WINDOW FRAMES. PAINT METAL DOOR INTERIOR FACE, EXTERNAL FACE, AND ALL EDGES. WHERE INTERIOR AND EXTERIOR COLORS ARE DIFFERENT, PAINT EDGES TO MATCH THE SIDE TO WHICH THE DOOR OPENS. 10. PROTECT UNFINISHED CONCRETE FLOORS FROM DAMAGE DURING CONSTRUCTION. PREPARE FOR FINISH / SEALING BY HIGH PRESSURE WATER OR BEAD BLASTING AS REQUIRED TO REMOVE STAINS AND RESIDUE. GET APPROVAL OF ARCHITECT OR OWNER BEFORE SEALING. (TAKE EXTRA CARE WITH OCCUPIABLE ROOMS) 11. FINISH COLORS ARE SHOWN THUS: 12. WHERE MORE THAN ONE COLOR IS SHOWN THE DESIGNATION IS:																						
FRAME TYPES																	FRAME TYPES														FRAME TYPES																						
1 2" WIDE x SEE DOOR SCHEDULE FOR DEPTH OF HOLLOW METAL FRAME 2 7" WIDE x 9" DEEP HOLLOW METAL FRAME W/ TYPE 'A' GLAZING TYPE 'B' GLAZING 3 2" TYP. 4 4'-6" R.O. 5 2'-8" 6 1'-6" 7 2" TYP. 8 2" TYP. 9 2" TYP. 10 2" TYP. 11 9'-0" R.O. 12 EQ. 13 EQ. 14 EQ. 15 EQ. 16 EQ. 17 EQ. 18 EQ. 19 EQ. 20 EQ. 21 EQ. 22 EQ. 23 EQ. 24 EQ. 25 EQ. 26 EQ. 27 EQ. 28 EQ. 29 EQ. 30 EQ. 31 EQ. 32 EQ. 33 EQ. 34 EQ. 35 EQ. 36 EQ. 37 EQ. 38 EQ. 39 EQ. 40 EQ. 41 EQ. 42 EQ. 43 EQ. 44 EQ. 45 EQ. 46 EQ. 47 EQ. 48 EQ. 49 EQ. 50 EQ. 51 EQ. 52 EQ. 53 EQ. 54 EQ. 55 EQ. 56 EQ. 57 EQ. 58 EQ. 59 EQ. 60 EQ. 61 EQ. 62 EQ. 63 EQ. 64 EQ. 65 EQ. 66 EQ. 67 EQ. 68 EQ. 69 EQ. 70 EQ. 71 EQ. 72 EQ. 73 EQ. 74 EQ. 75 EQ. 76 EQ. 77 EQ. 78 EQ. 79 EQ. 80 EQ. 81 EQ. 82 EQ. 83 EQ. 84 EQ. 85 EQ. 86 EQ. 87 EQ. 88 EQ. 89 EQ. 90 EQ. 91 EQ. 92 EQ. 93 EQ. 94 EQ. 95 EQ. 96 EQ. 97 EQ. 98 EQ. 99 EQ. 100 EQ.																	WOOD-STUD DOOR FRAME ANCHORS 1. PROVIDE MANUFACTURERE'S STANDARD ANCHORS WITH FASTENERS, WOOD: 2-8D EA. SIDE. ANCHORS SHALL BE SPACED NOT GREATER THAN 24" O.C. PROVIDE 6" EDGE DISTANCE AT FIRST HEAD ANCHOR. ANCHORAGE SHALL OCCUR AT ALL JAMBS HEADS AND SILL, TYP. 2. FRAMES SHALL BE ANCHORED AT CONCRETE FLOOR SLAB WITH (2) 1/4" x 1 5/8" LONG HILTI KWIK BOLT T2Z (ESR-4266), OR SIMPSON TITEN HD (ESR-2713) SCREW ANCHORS @ 24" O.C. MAX.(1-1/2" MIN EDGE DISTANCE) DOOR & WINDOW FRAME TYPE NOTES 1. GLAZING SCHEDULE: SEE SPECIFICATIONS TYPE 'A': 1/4" THICK, CLEAR, FULLY TEMPERED GLASS TYPE 'B': 1" THICK CLEAR, INSULATED, FULLY TEMPERED GLASS NOTE: ALL TEMPERED GLASS IS TO BE SAFETY GLASS & MEET HUMAN IMPACT LOADS LISTED IN SPECIFICATIONS. 2. METAL FRAMES SHALL FIT TIGHT TO WALL. CENTER FRAME THROAT OPENING BETWEEN OUTSIDE FACE OF MATERIALS BEING WRAPPED BY FRAME, SHIM GYPSUM BOARD AS REQUIRED FOR PLUMB TOLERANCE AT FRAME / GYPSUM BOARD. 3. "LABEL" SHALL MEAN "ASSEMBLY" AS DEFINED IN CBC SECTION 716.2.9 AND 716.2.9.1. 4. FIRE-RATED FRAMES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND NFPA 80. THE MANUFACTURER'S WRITTEN INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITY. 5. PAINT FRAMES AND DOORS SEMI-GLOSS ENAMEL IN ACCORDANCE WITH SPECIFICATION SECTION 099100 AS NOTED ON THE DOOR SCHEDULE. REFER TO FINISH COLORS FOR DESIGNATION. PAINT BOTH SIDES THE SAME COLOR. U.O.N. 6. ALL DIMENSIONS ARE +/-, VERIFY IN THE FIELD (OR WITH FLOOR PLAN FOR APPROXIMATE AS INDICATED). 7. VERIFY DOOR SWINGS WITH FLOOR PLAN. 8. MINIMUM ANCHOR REQUIREMENTS (U.O.N.): FRAME HEIGHTS UP TO 4'-0": 2 JAMB ANCHORS FRAME HEIGHTS UP TO 7'-4": 3 JAMB ANCHORS FRAME HEIGHTS UP TO 10'-0": 4 JAMB ANCHORS FRAME HEIGHTS OVER 10'-0": 1 ADDITIONAL ANCHOR PER 3'-0" OR PORTION THEREOF FRAME WIDTHS UP TO 4'-0": 2 HEAD ANCHORS FRAME WIDTHS UP TO 7'-4": 3 HEAD ANCHORS FRAME WIDTHS UP TO 10'-0": 4 HEAD ANCHORS FRAME WIDTHS OVER 10'-0": 1 ADDITIONAL ANCHOR PER 3'-0" OR PORTION THEREOF PROVIDE 6" EDGE DISTANCE AT FIRST HEAD ANCHOR.														LEGEND DOT INDICATED ANCHOR LOCATION, TYPICAL EQUALLY SPACED PER FRAME ELEVATIONS																						



DATE: MARCH 31, 2026

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AT THREE RIVERS UNION ELEMENTARY SCHOOL**
41932 SIERRA DR., THREE RIVERS, CA 93271
THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

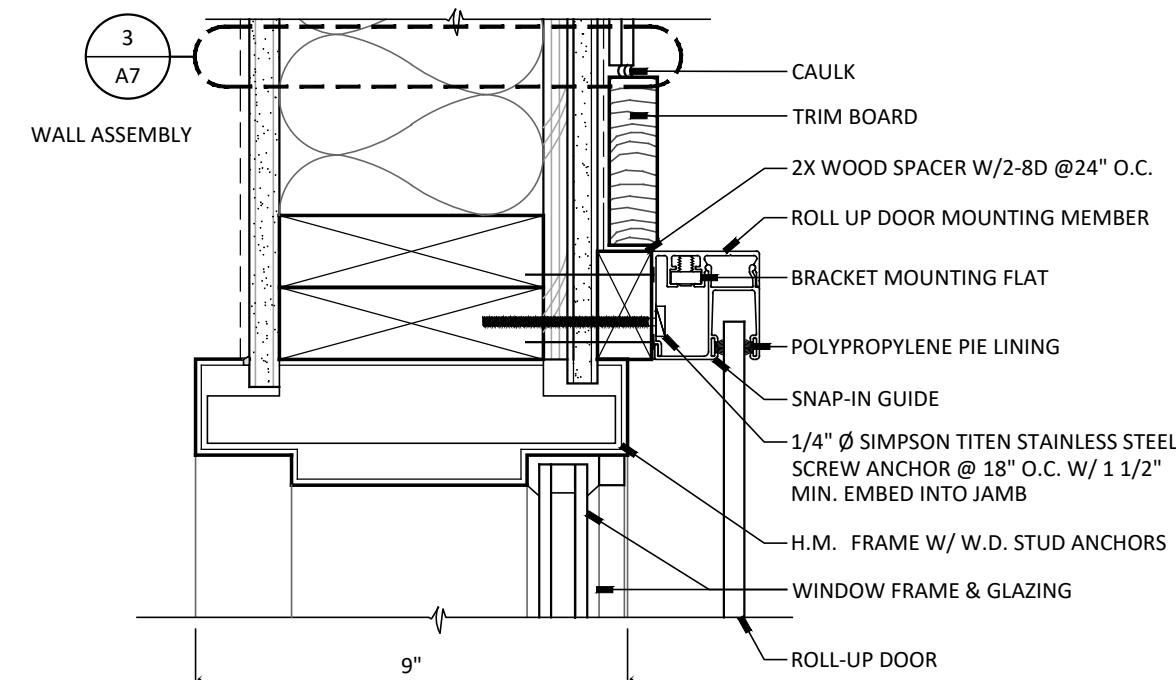
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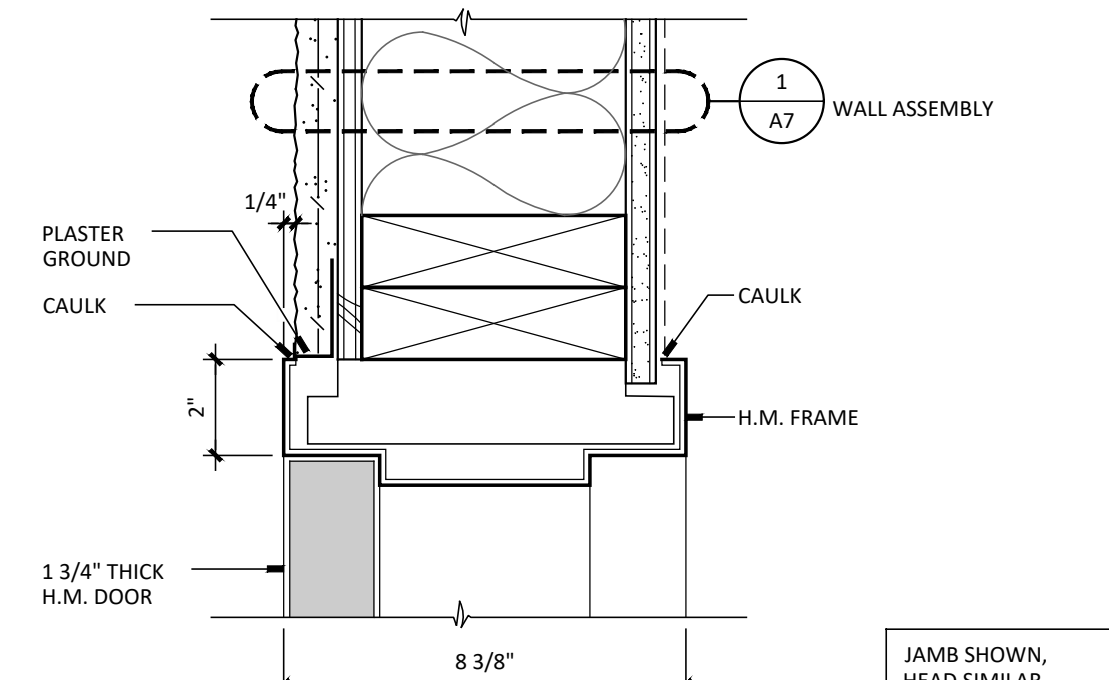
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A9

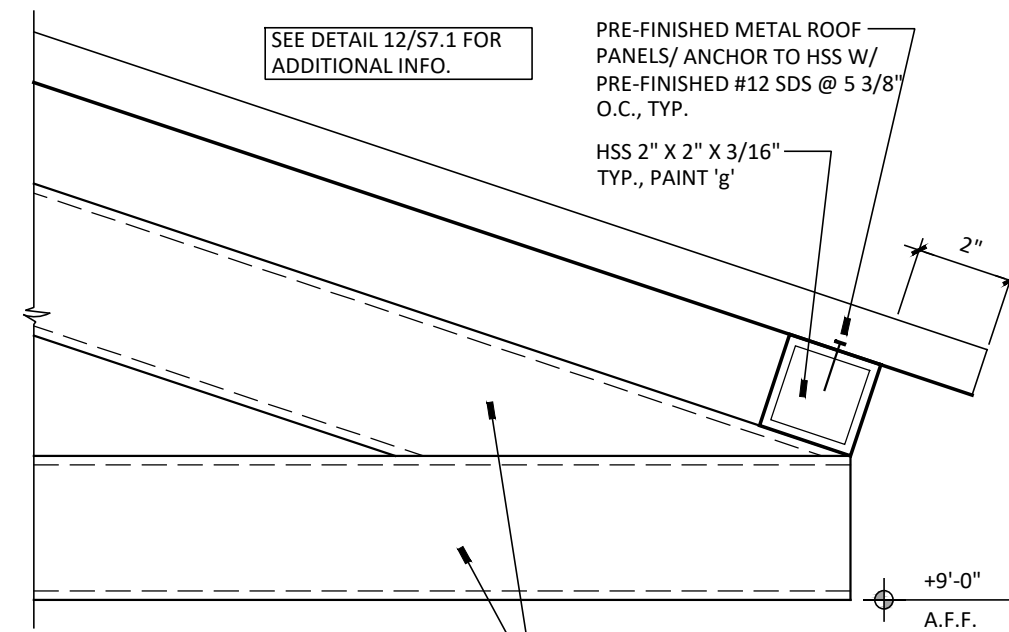
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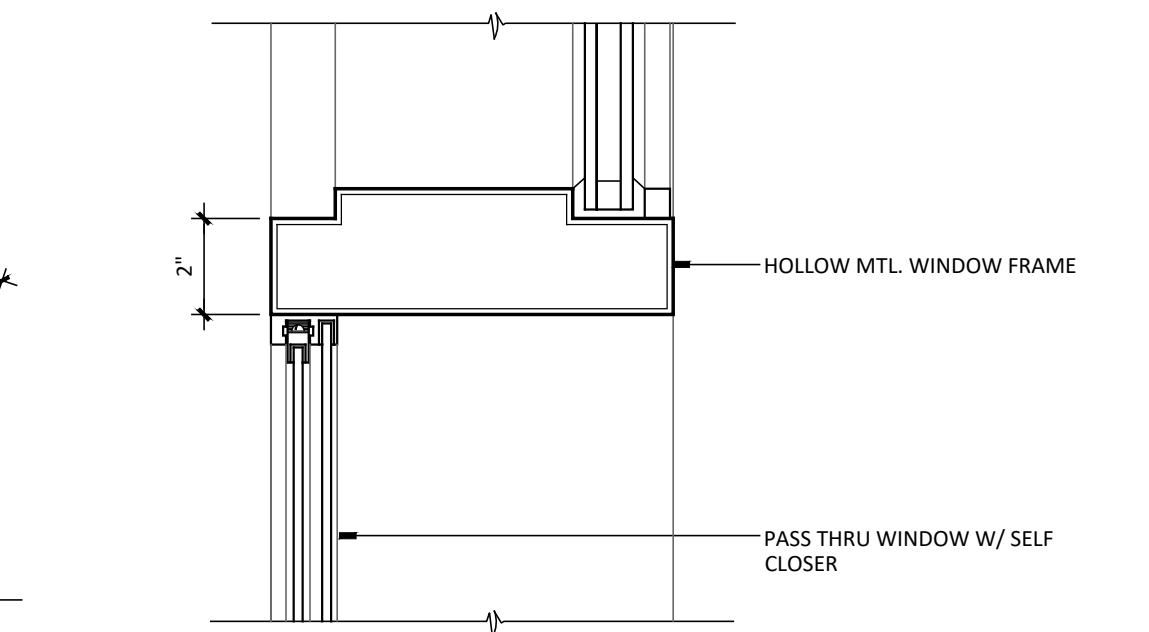
10 ROLL UP DOOR JAMB
SCALE: 3"=1'-0"



5 H.M. HEAD/JAMB AT DOOR
SCALE: 3"=1'-0"

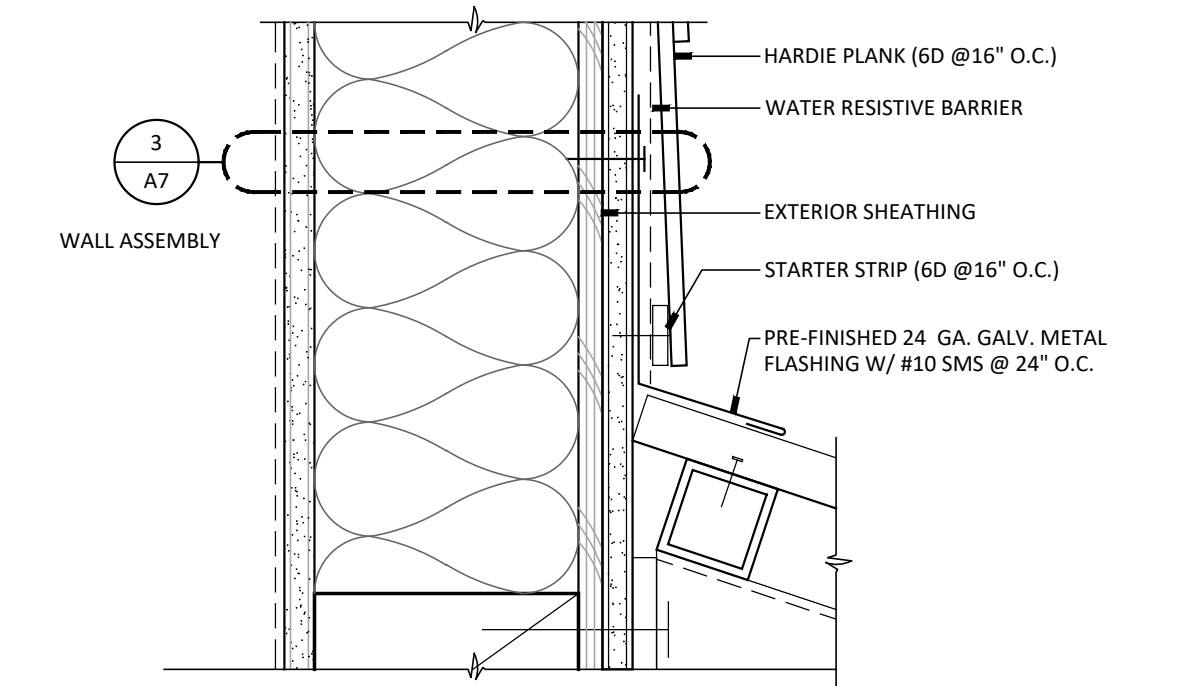


14 METAL AWNING
SCALE: 3"=1'-0"

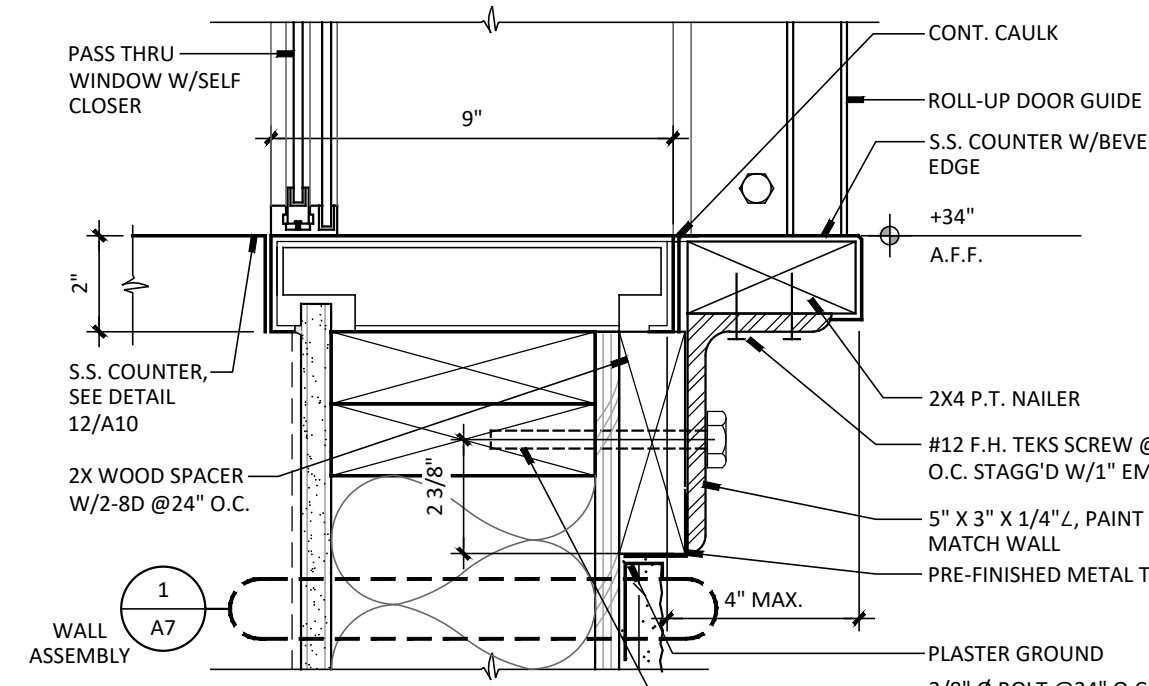


9 WINDOW MULLION
SCALE: 3"=1'-0"

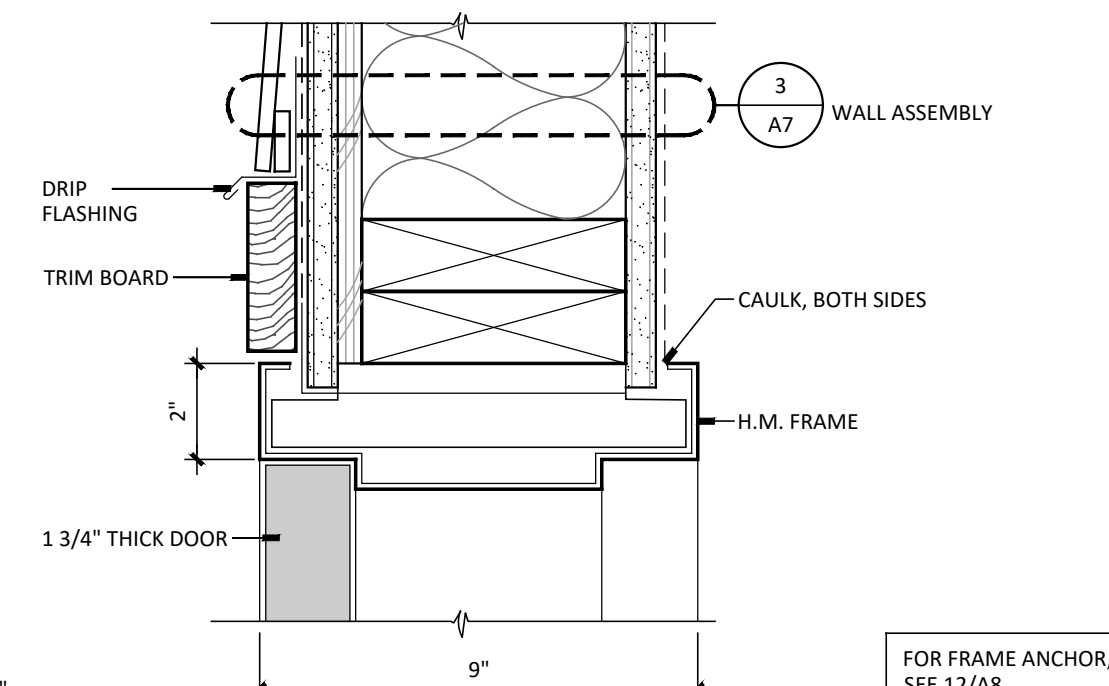
4 NOT USED
SCALE: 3"=1'-0"



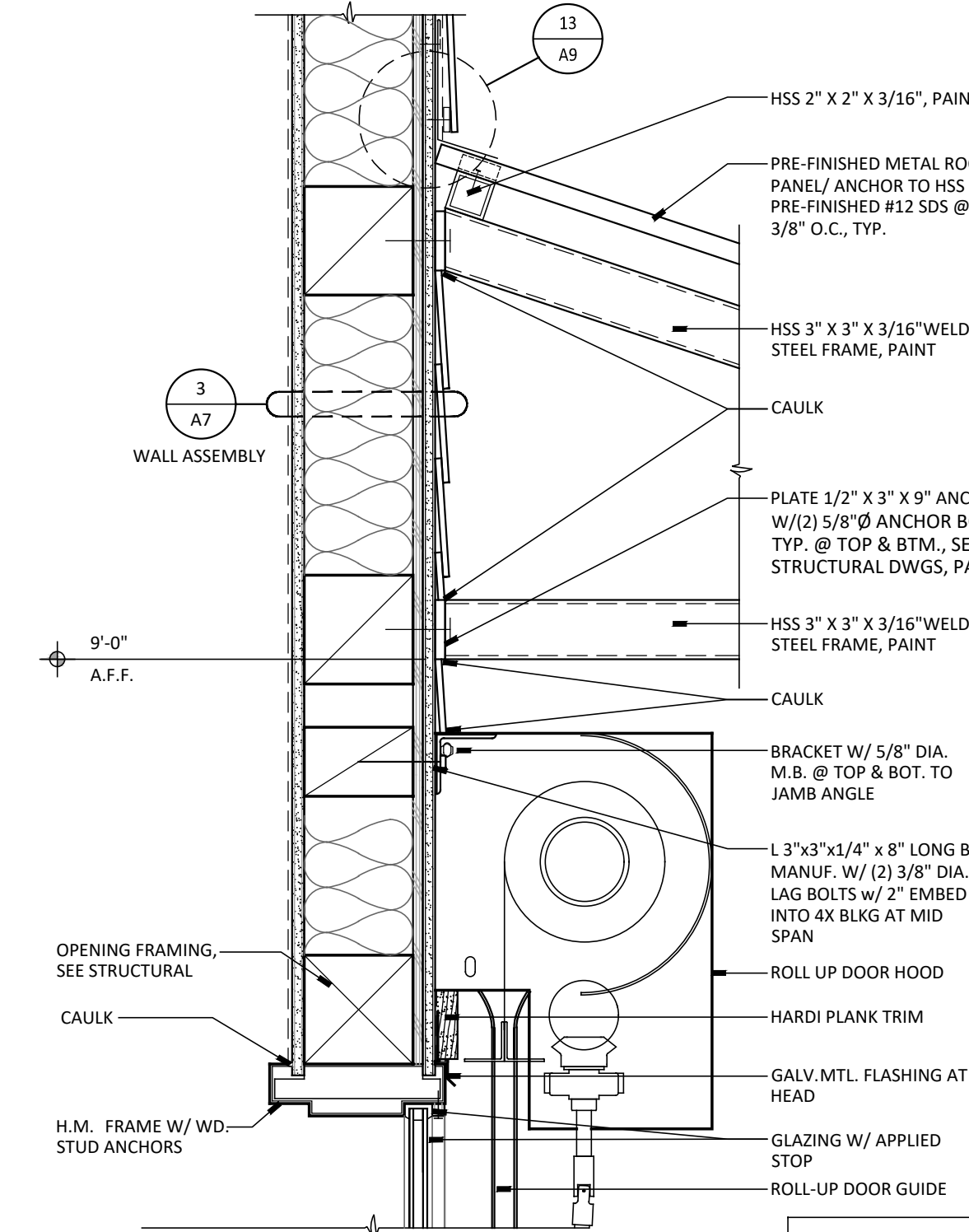
13 AWNING FLASHING
SCALE: 3"=1'-0"



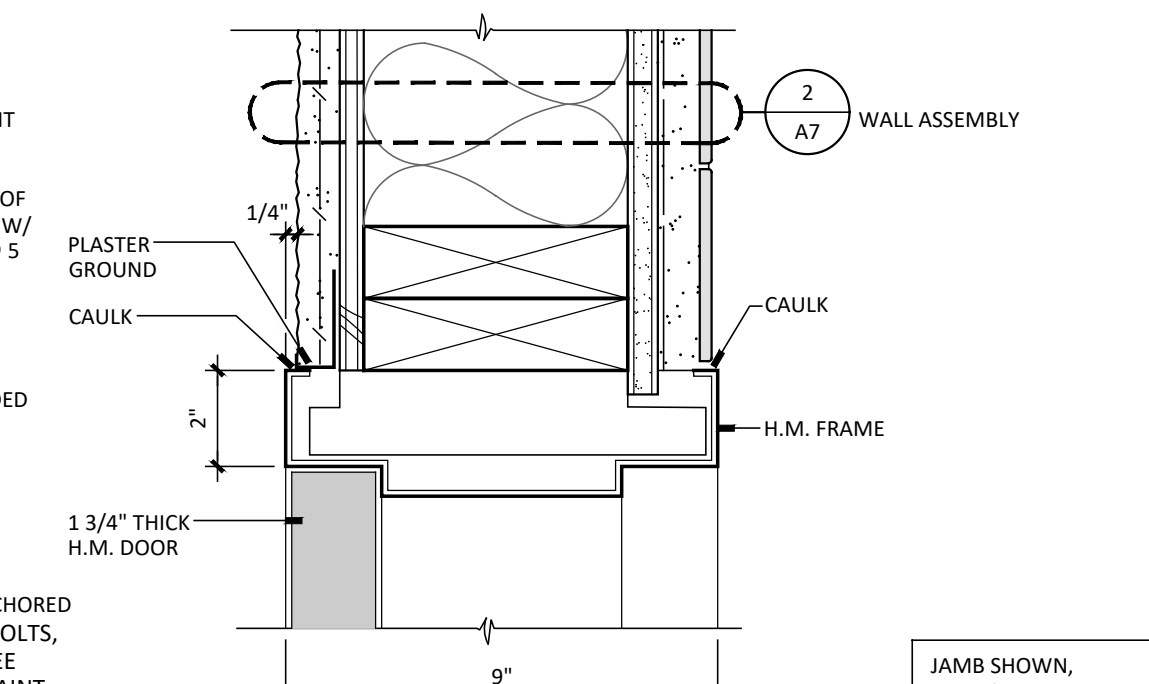
8 SILL @ ROLL UP DOOR
SCALE: 3"=1'-0"



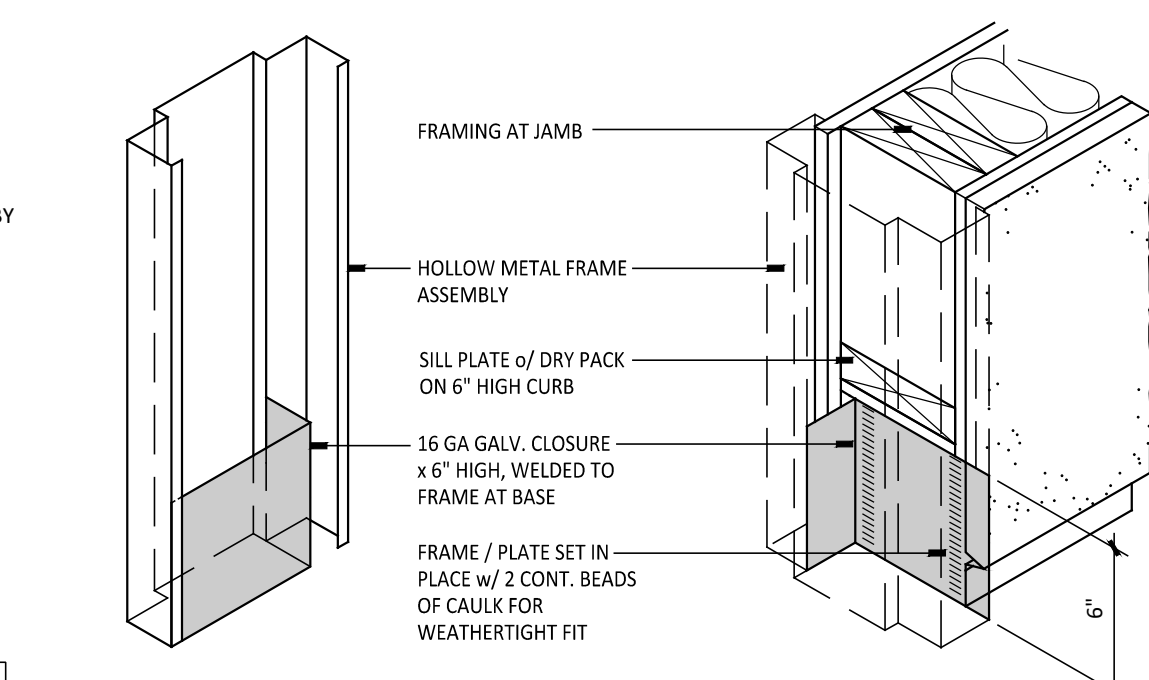
3 H.M. HEAD AT DOOR
SCALE: 3"=1'-0"



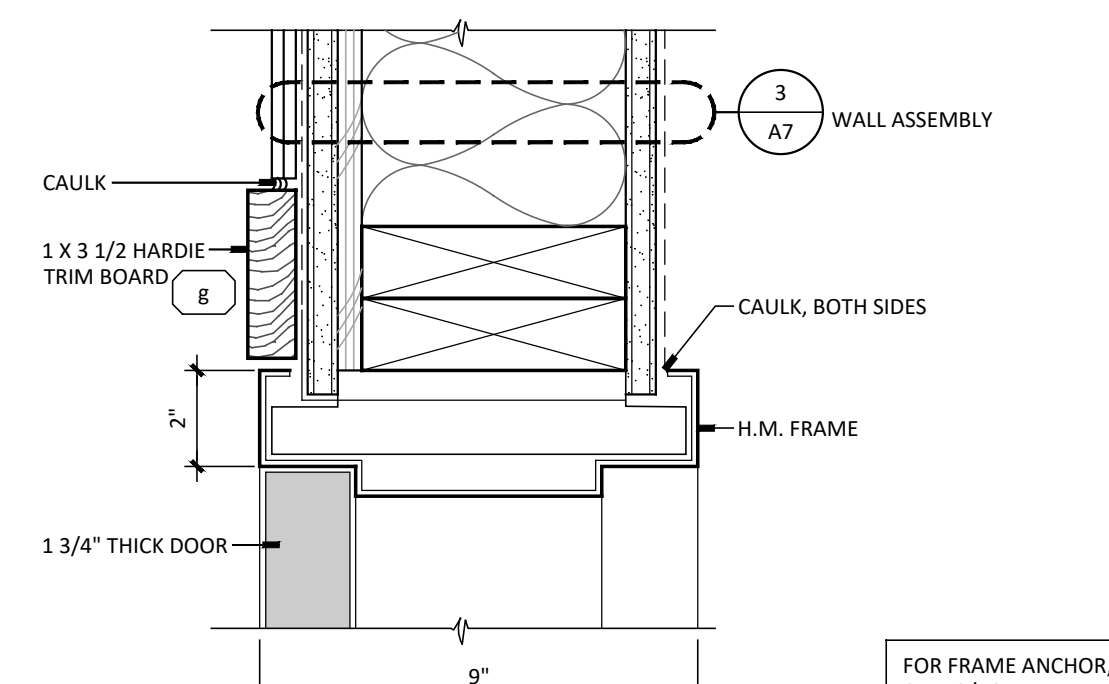
11 ROLL UP DOOR AT HEAD
SCALE: 1 1/2"=1'-0"



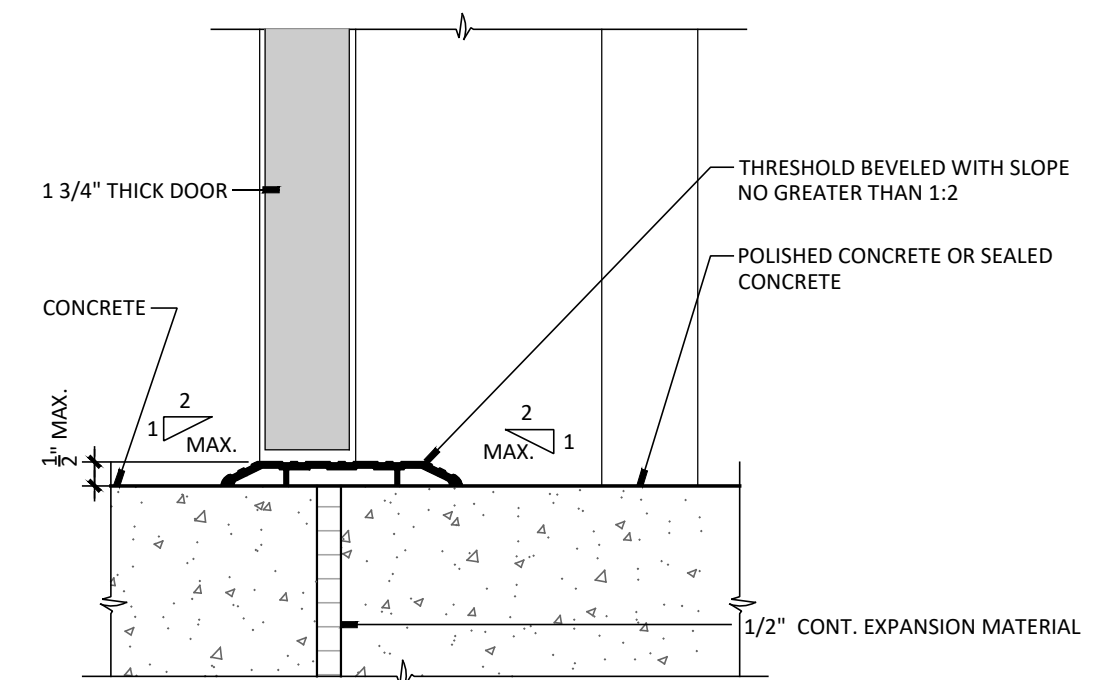
7 H.M. HEAD/JAMB AT DOOR
SCALE: 3"=1'-0"



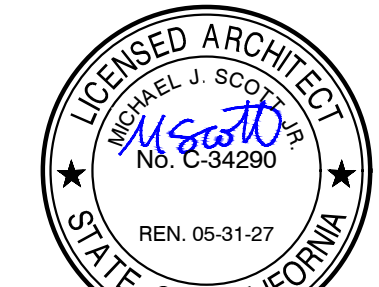
6 H.M.F. @ 6" CONC. CURB, TYP.
SCALE: 3"=1'-0"



2 H.M. JAMB AT DOOR
SCALE: 3"=1'-0"



1 SILL AT DOOR
SCALE: 3"=1'-0"



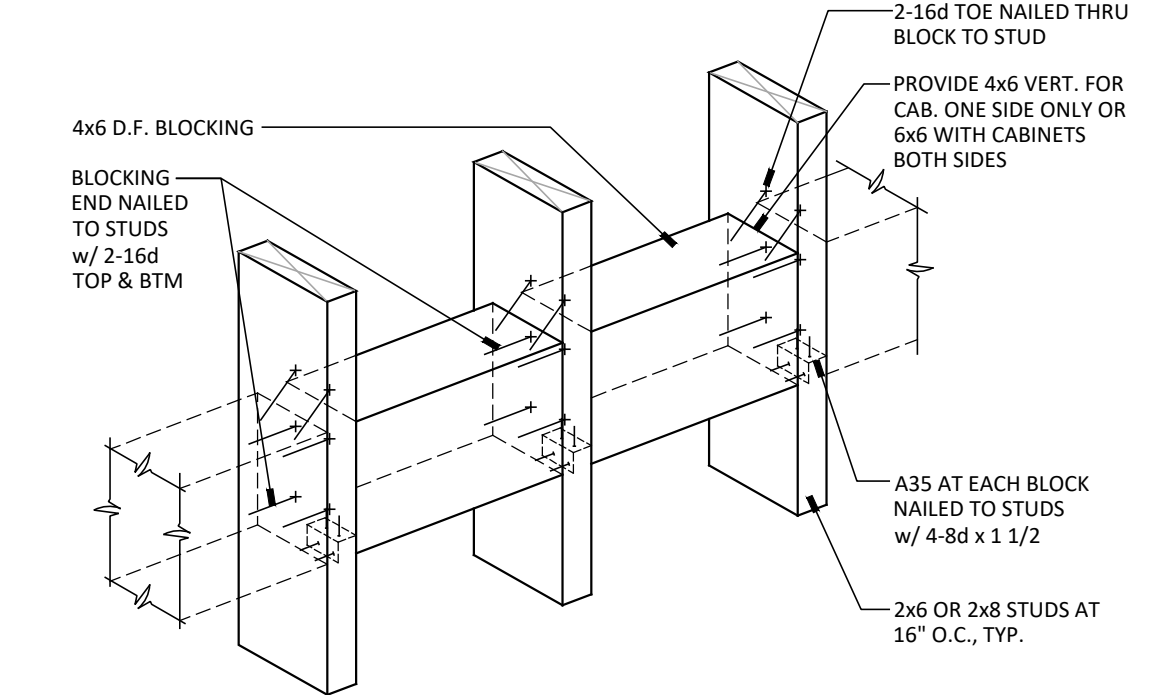
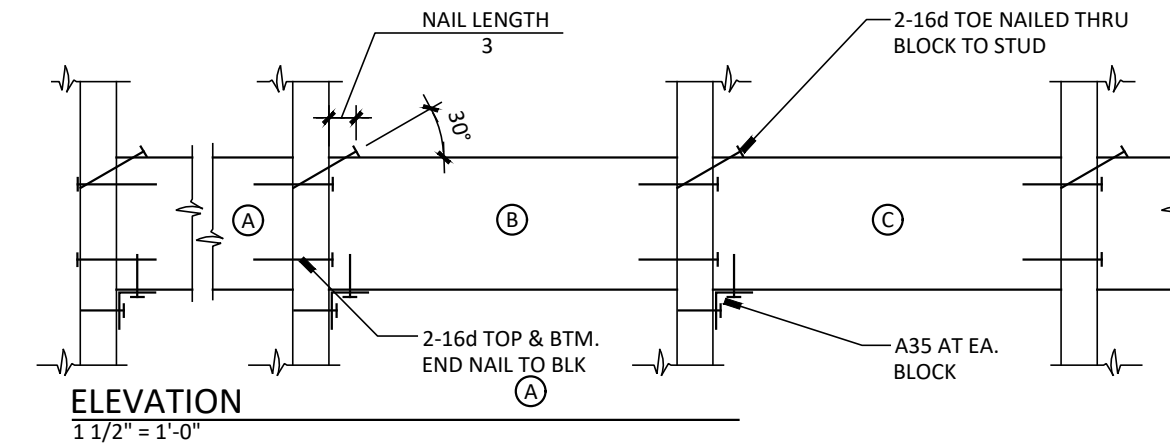
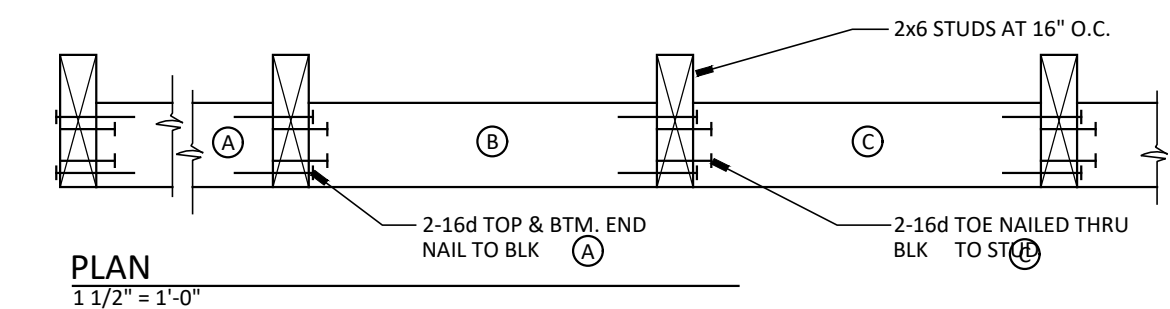
DATE: MARCH 31, 2026

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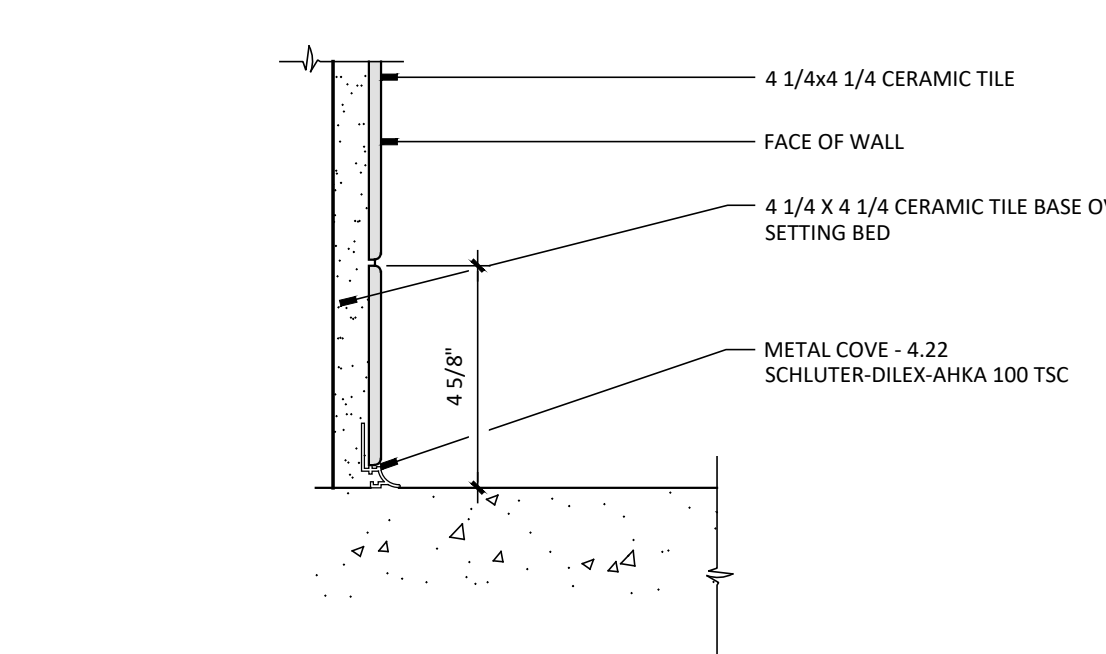
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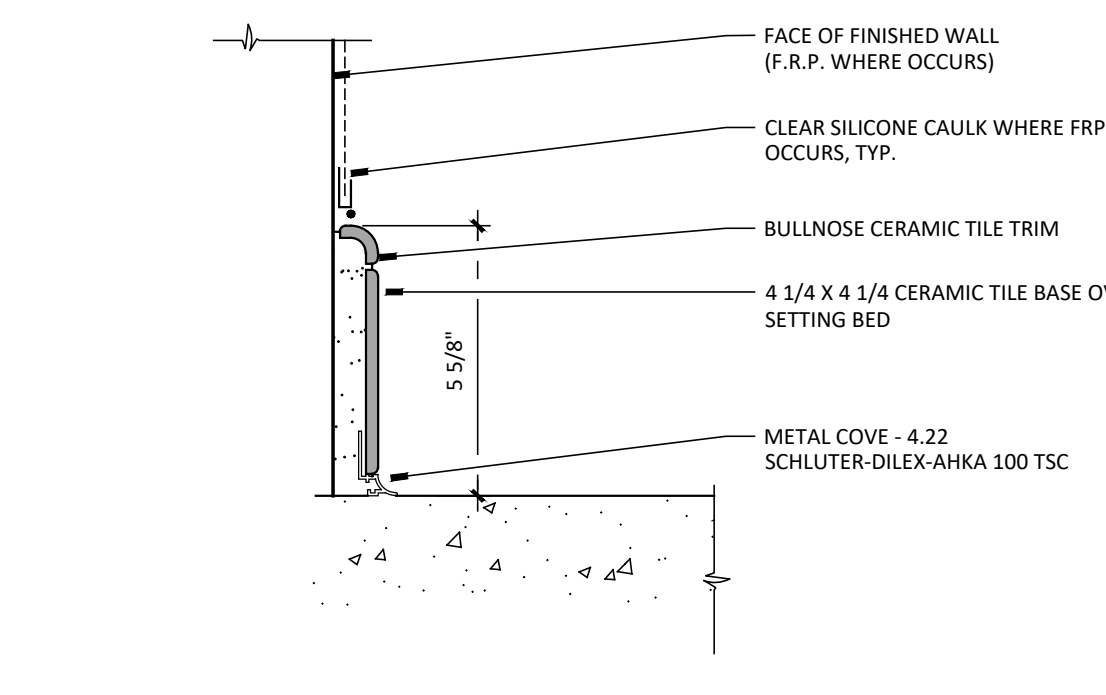
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A10
PROJECT 25057



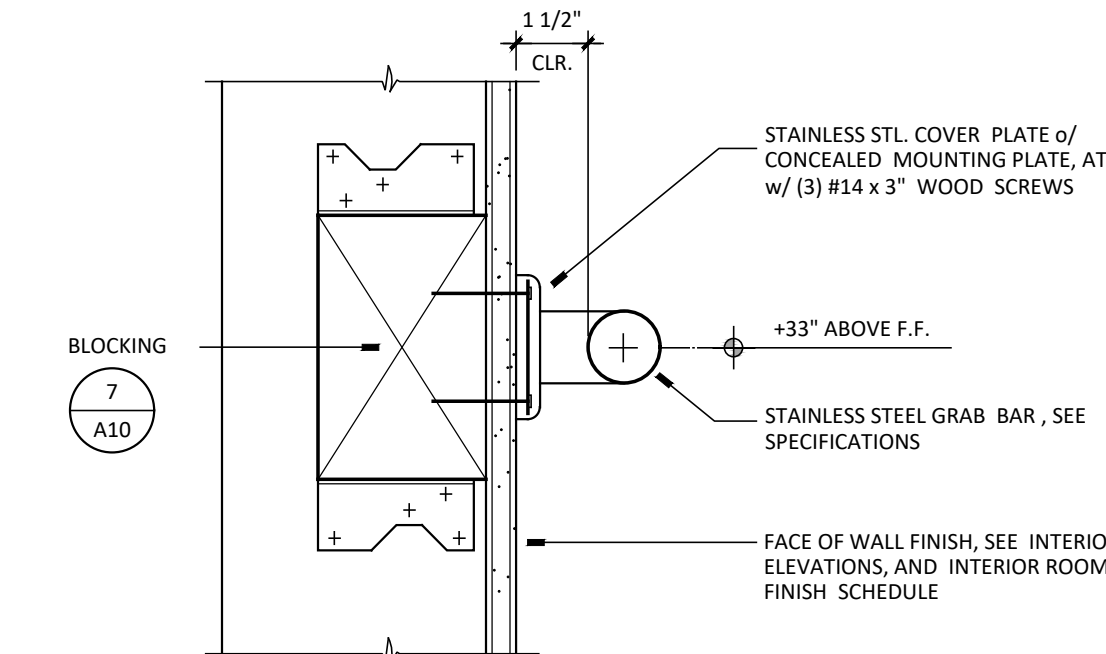
4 4x6 BLKG. AT WALL
SCALE: N.T.S. FR: 05 - REV. - 25_09.08



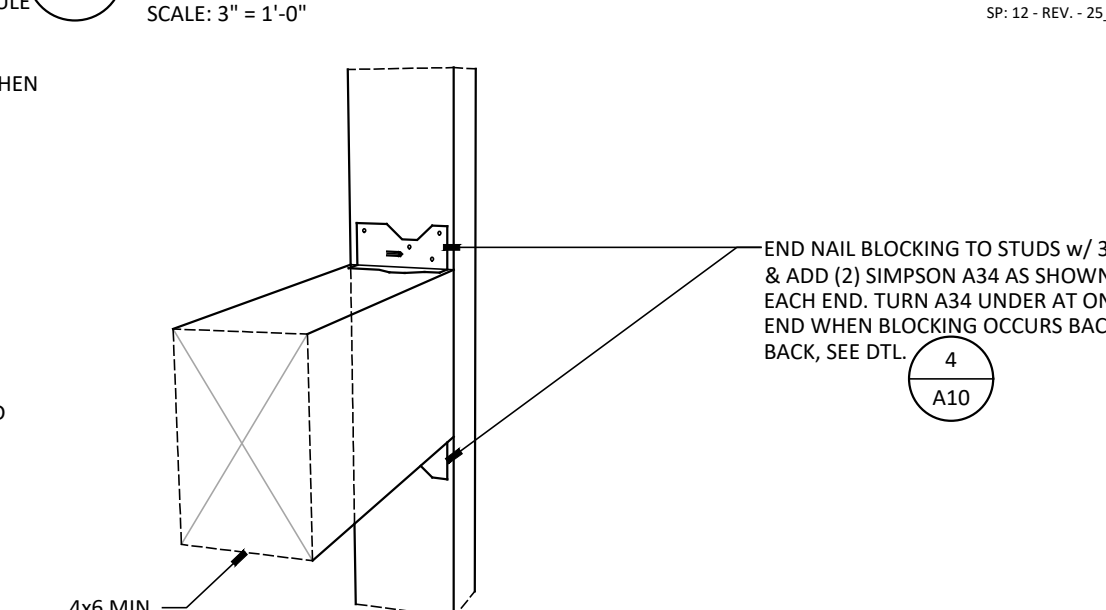
10 CERAMIC TILE BASE
SCALE: 3"=1'-0"



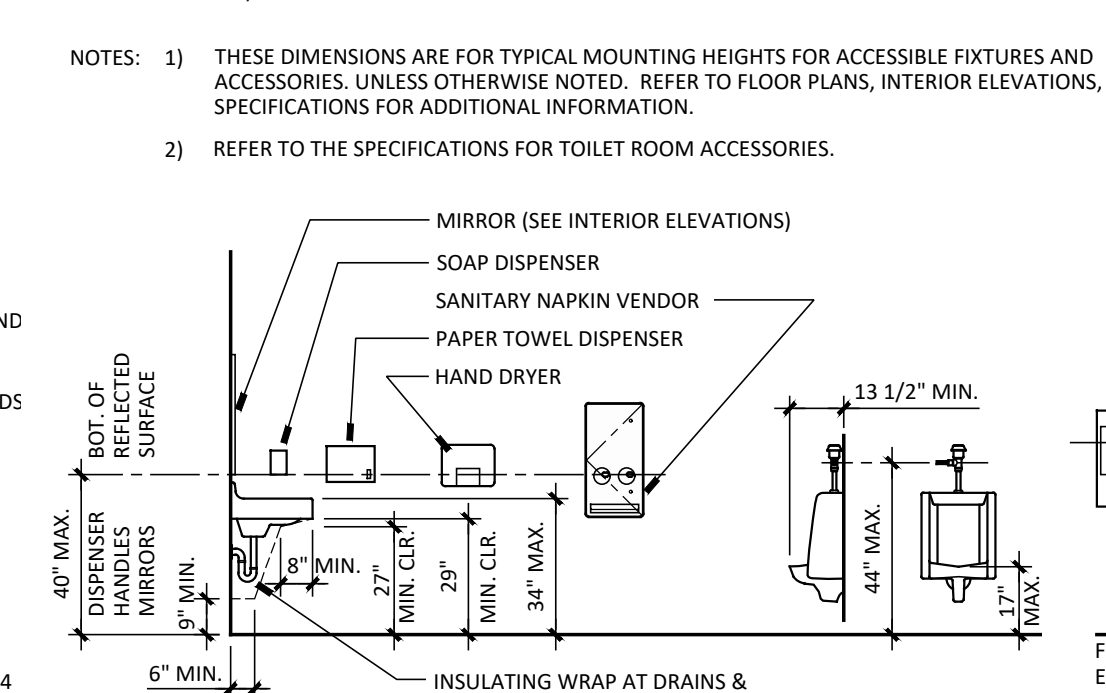
9 CERAMIC TILE BASE
SCALE: 3"=1'-0"



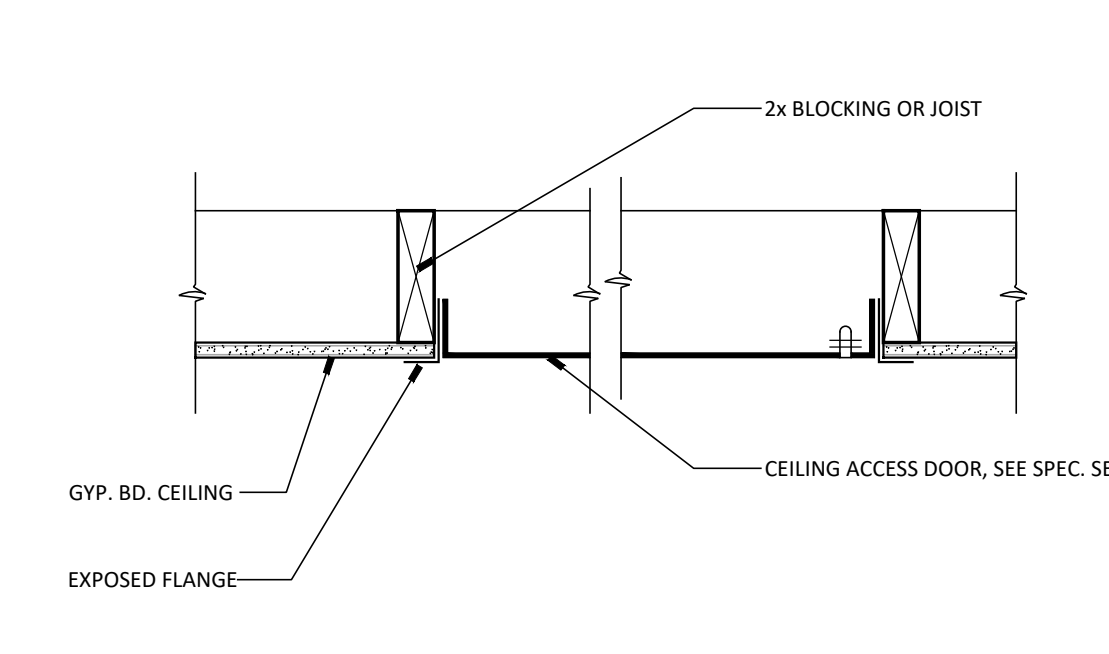
8 GRAB BAR ANCHORAGE
SCALE: 3"=1'-0" SP: 12 - REV. - 25_06.11



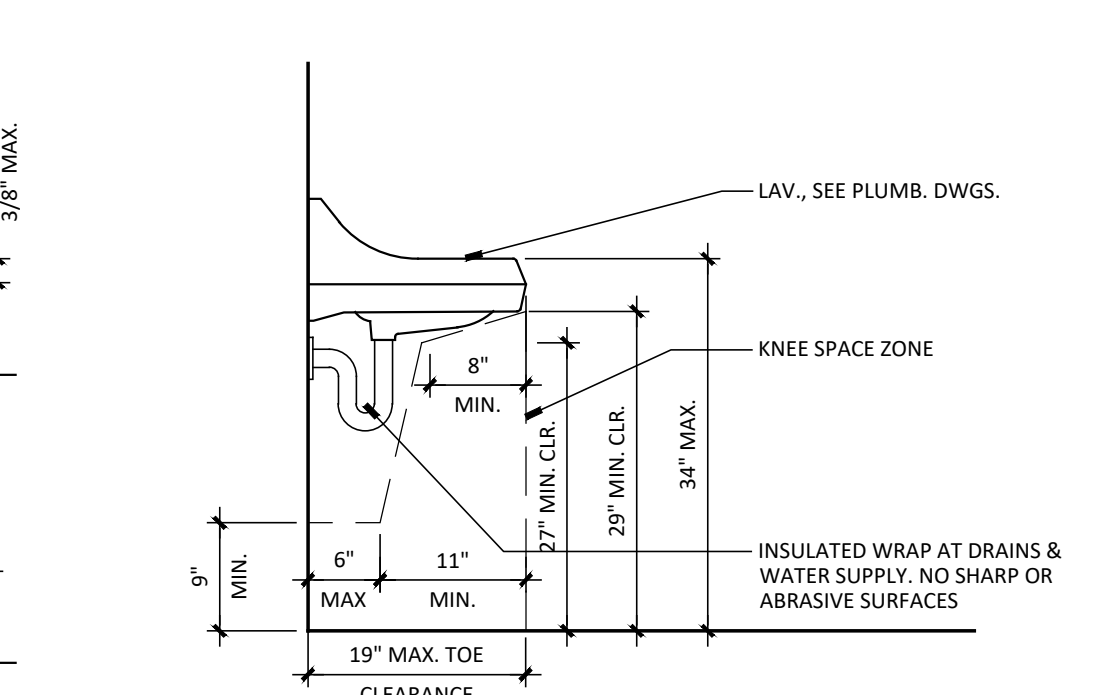
7 4x6 BLOCKING ATTACHMENT WOOD STUDS
SCALE: 1 1/2"=1'-0" FR: 03 - REV. - 25_09.08



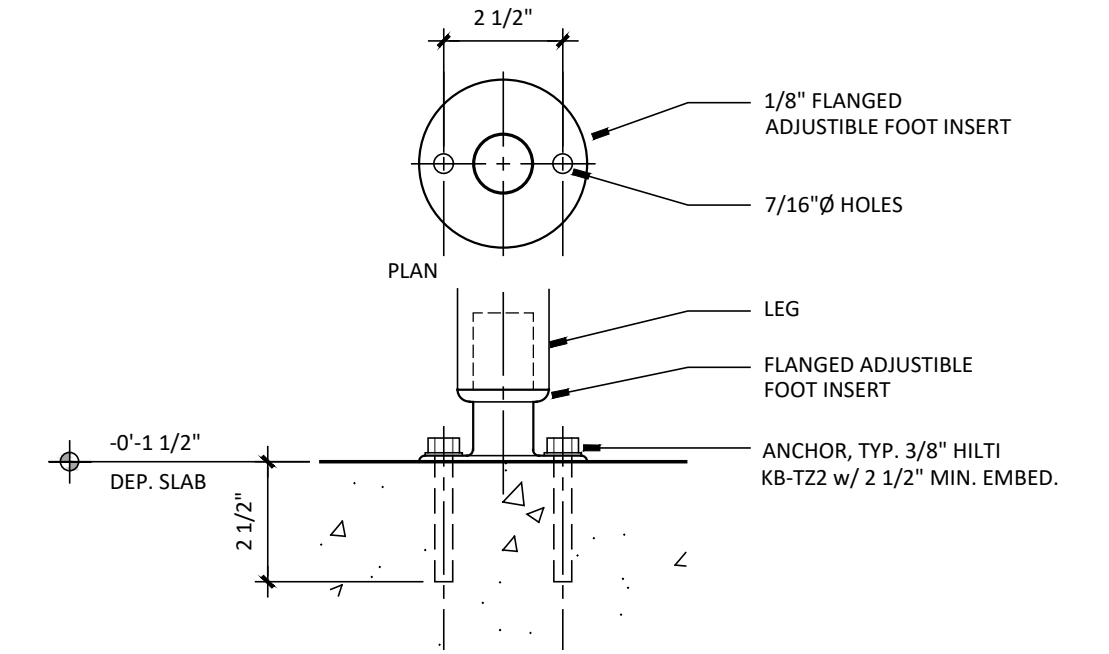
6 TYPICAL ACCESSIBLE MOUNTING HEIGHTS - ADULT
SCALE: 1/4"=1'-0" ACC: 03 - REV-26_03.19



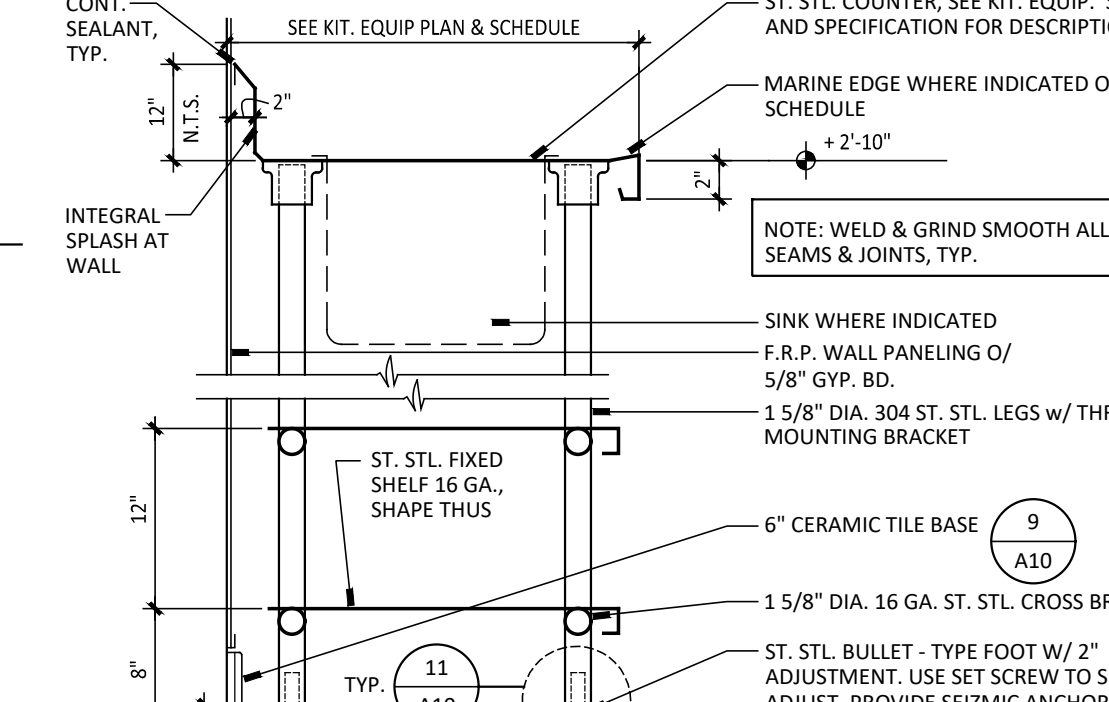
15 ATTIC ACCESS DOOR
SCALE: 1 1/2"=1'-0" DWF: 71 - REV. - 25_09.05



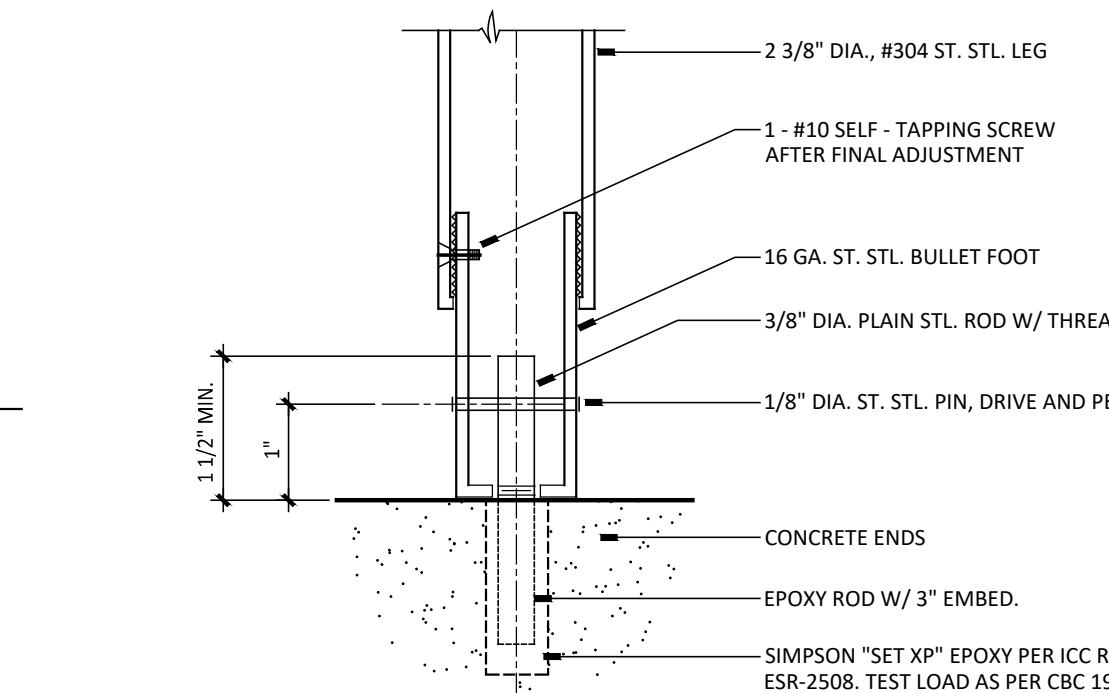
14 ACCESS. LAV. - ADULT
SCALE: 3/4"=1'-0" ACC: 09 - REV-26_03.19



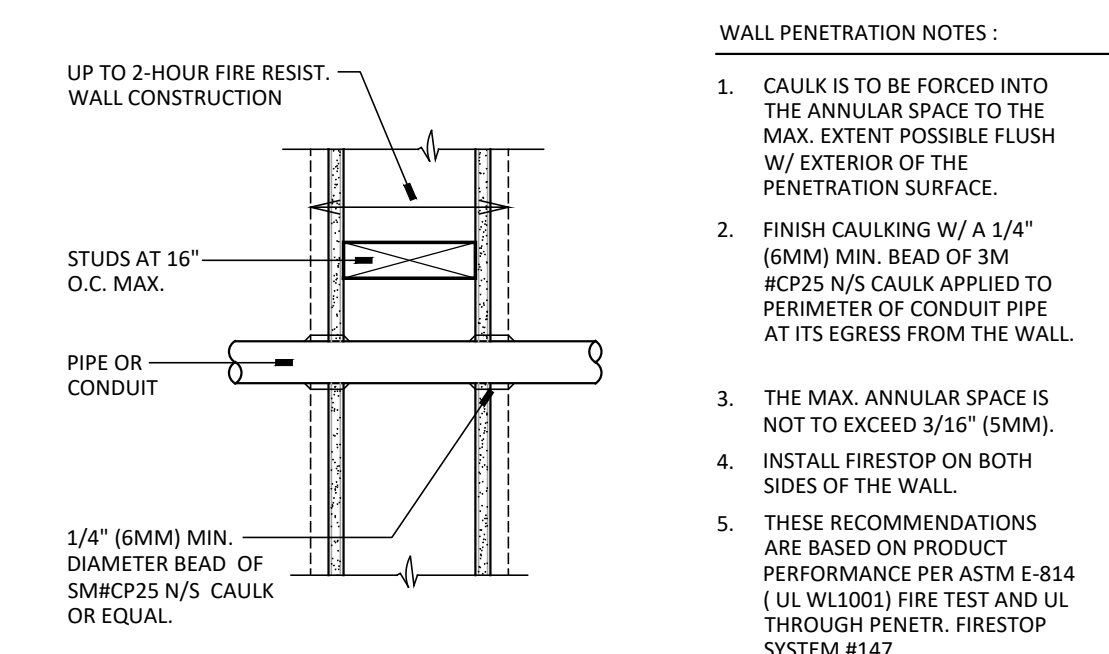
13 FLANGED FOOT ANCHORAGE
SCALE: 3"=1'-0"



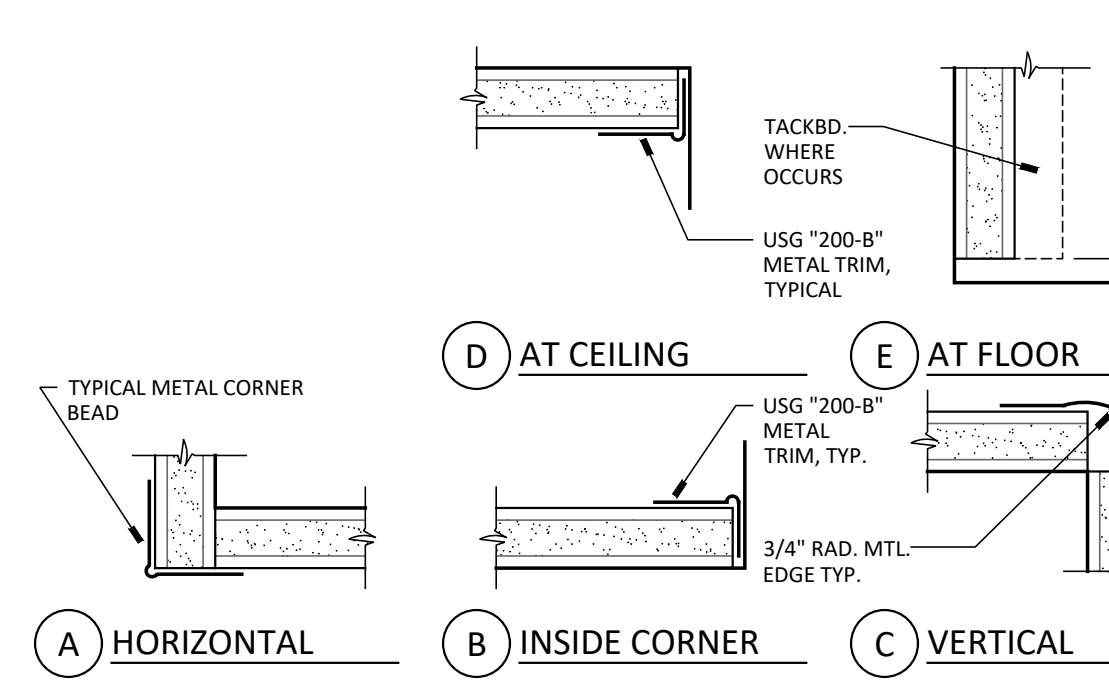
12 ST. STL. FOOD PREP SINK
SCALE: 1/2"=1'-0"



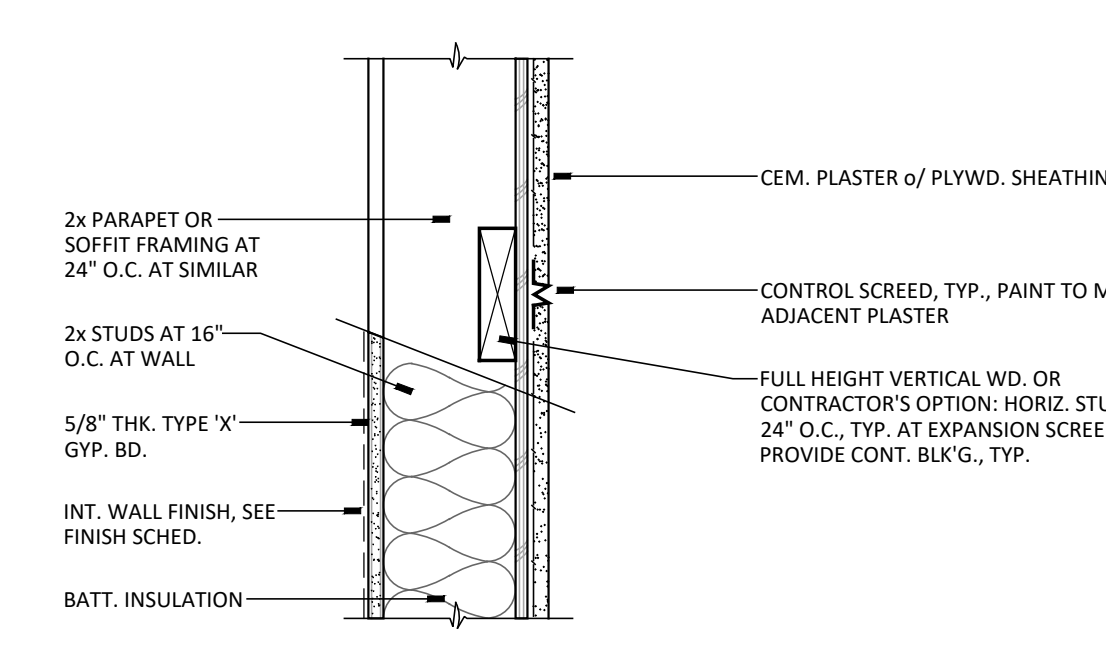
11 BULLET FOOT
SCALE: 1/2"=1'-0"



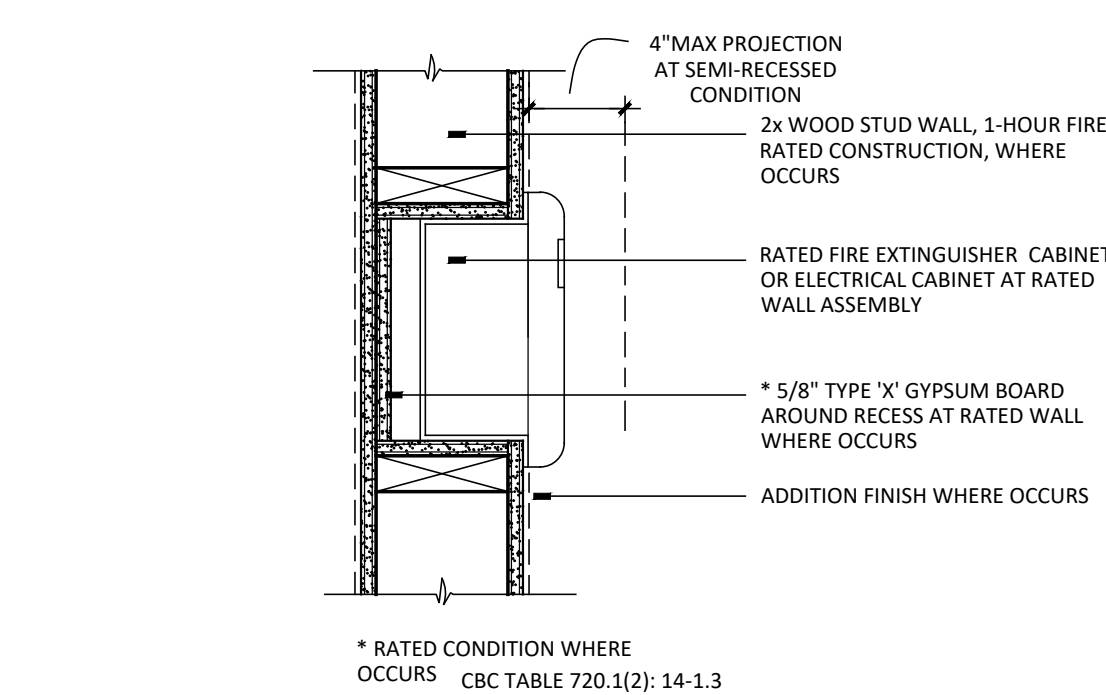
20 PENETRATIONS THRU WALL
SCALE: N.T.S.



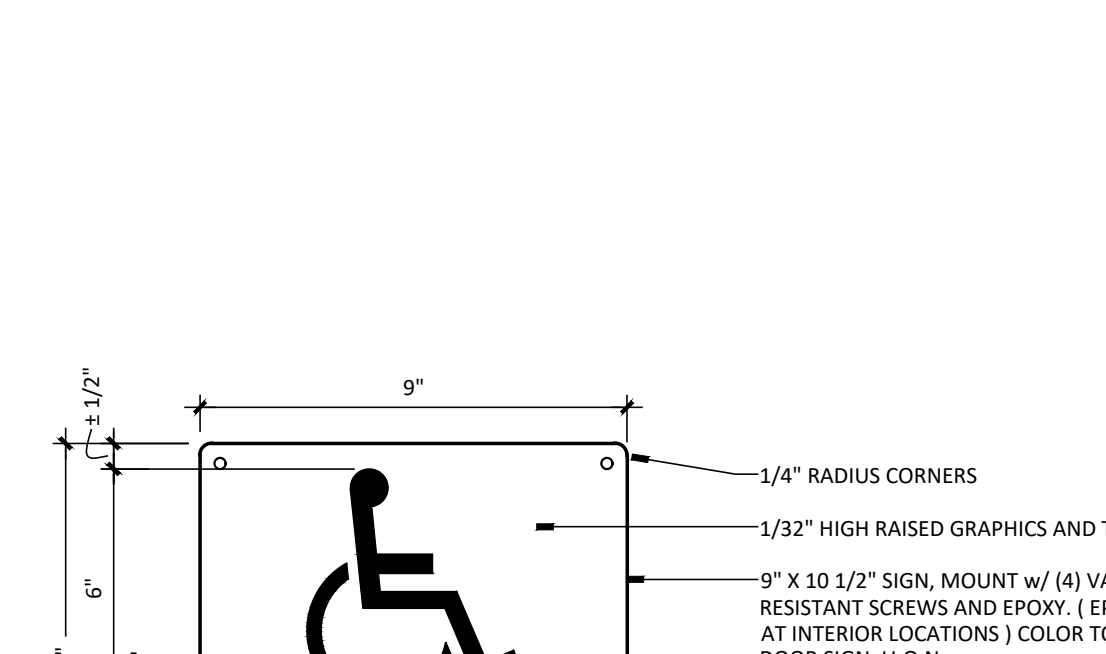
19 TYP. GYP. METAL EDGES
SCALE: N.T.S. DWF: 01 - REV-26_03.20



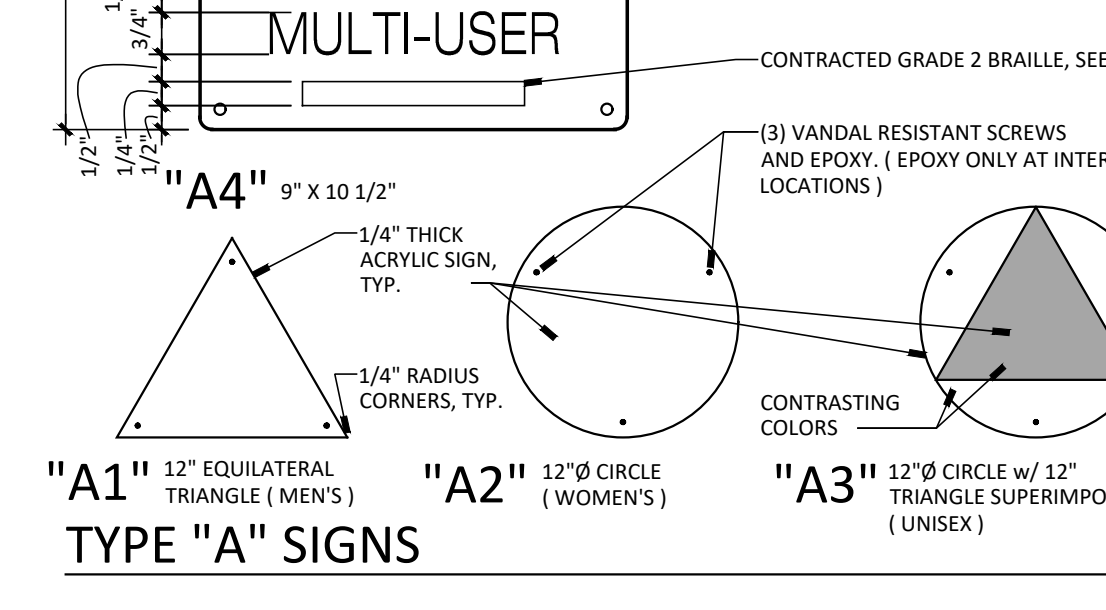
25 CONTROL SCREED
SCALE: 1 1/2"=1'-0" FF: 30 - REV. - 26_03.24



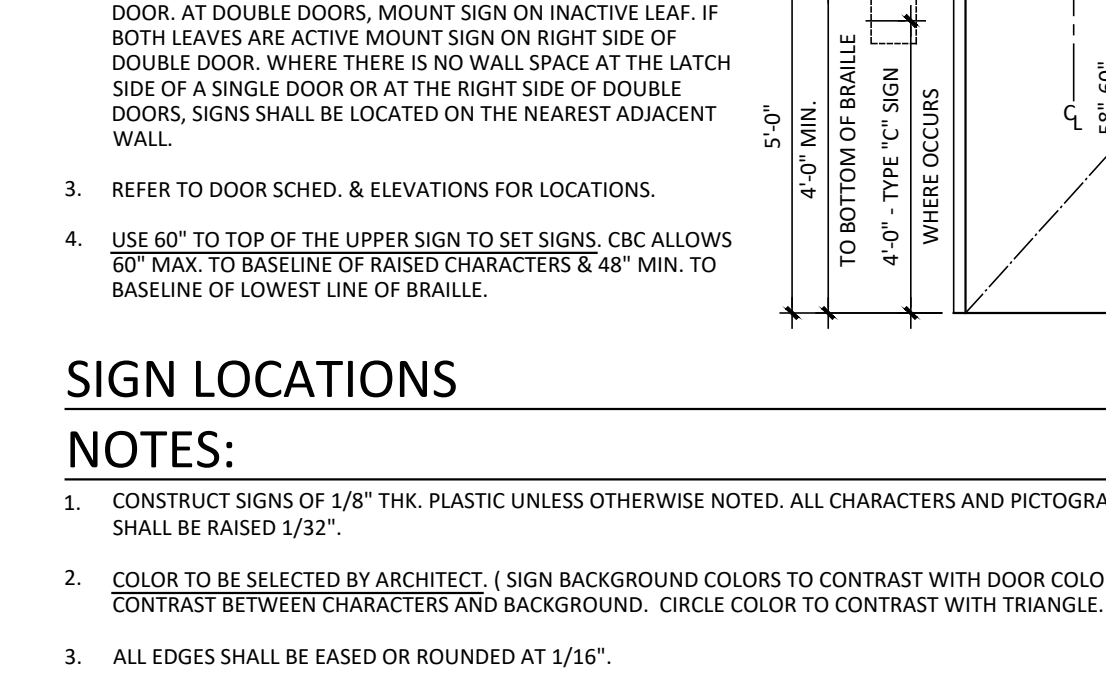
24 RECESSED F.E.C.
SCALE: 1 1/2"=1'-0" SP: 04 - REV. - 26_03.18



21 SIGN TYPES
SCALE: 1/4"=1'-0"

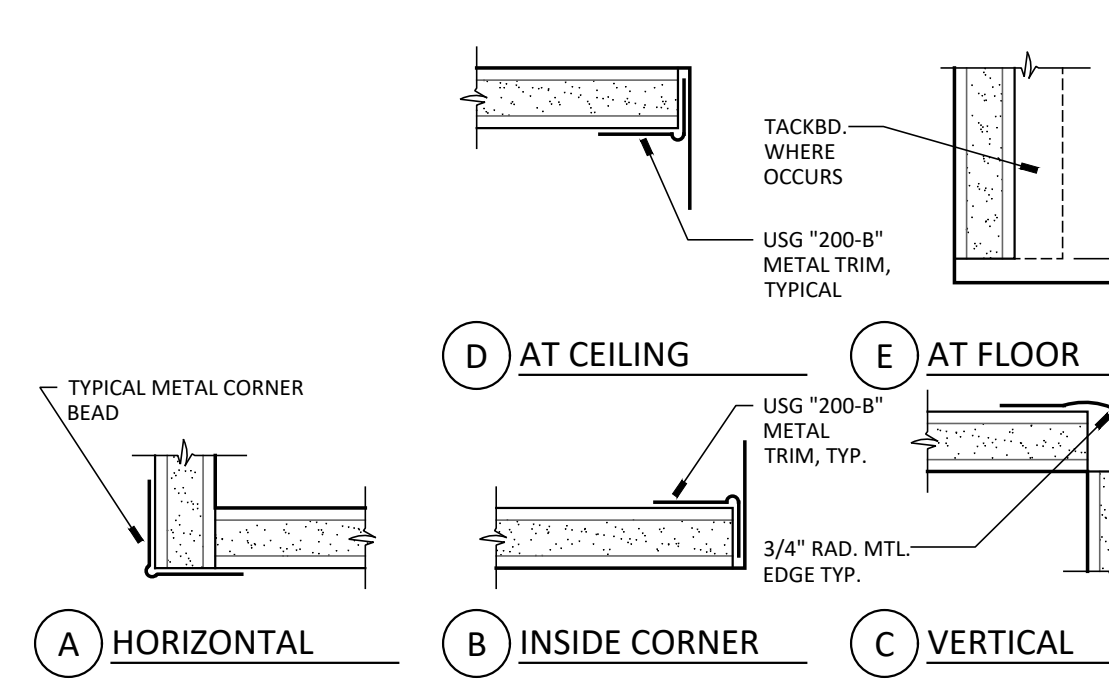


21 SIGN TYPES
SCALE: 1/4"=1'-0"

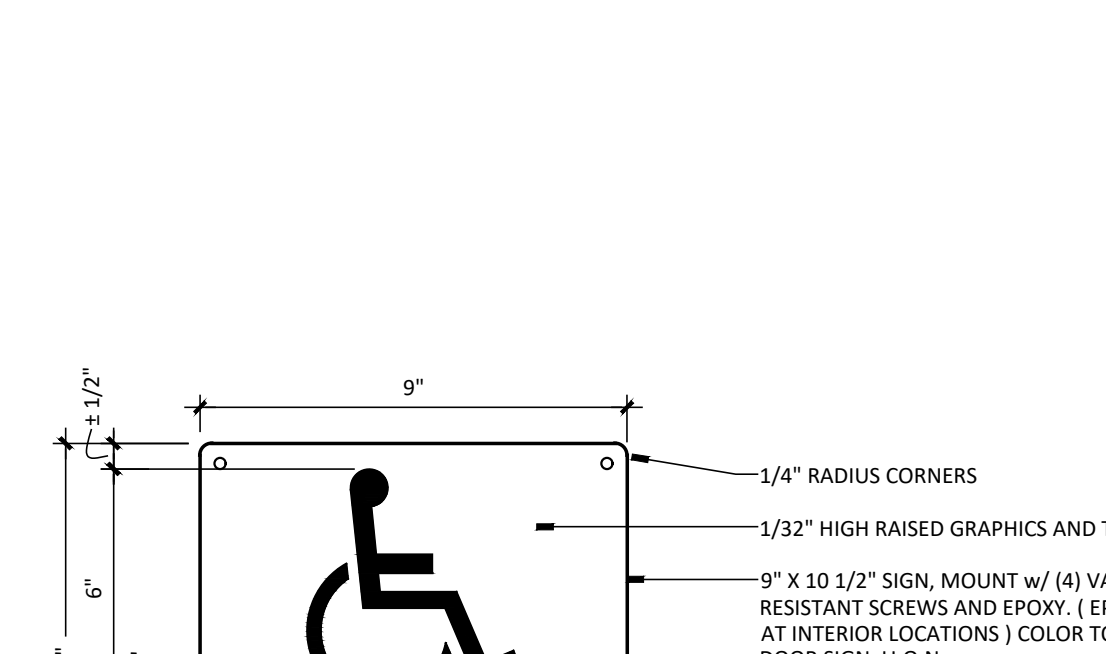


21 SIGN TYPES
SCALE: 1/4"=1'-0"

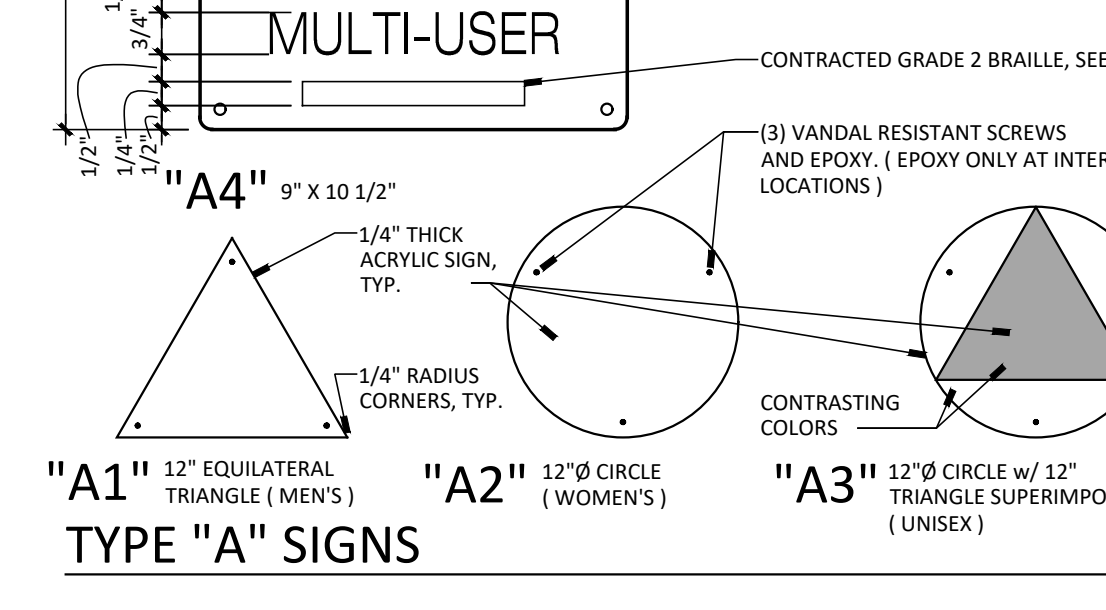
- WALL PENETRATION NOTES :
1. CAULK IS TO BE FORCED INTO THE ANNULAR SPACE TO THE MAX. EXTENT POSSIBLE FLUSH W/ EXTERIOR OF THE PENETRATION SURFACE.
 2. FINISH CAULKING W/ A 1/4" (6MM) MIN. BEAD OF 3M #CP25 N/S CAULK APPLIED TO PERIMETER OF CONDUIT PIPE AT ITS EGRESS FROM THE WALL.
 3. THE MAX. ANNULAR SPACE IS NOT TO EXCEED 3/16" (5MM).
 4. INSTALL FIRESTOP ON BOTH SIDES OF THE WALL.
 5. THESE RECOMMENDATIONS ARE BASED ON PRODUCT PERFORMANCE PER ASTM E-814 (UL WL1001) FIRE TEST AND UL THROUGH PENETR. FIRESTOP SYSTEM #147.



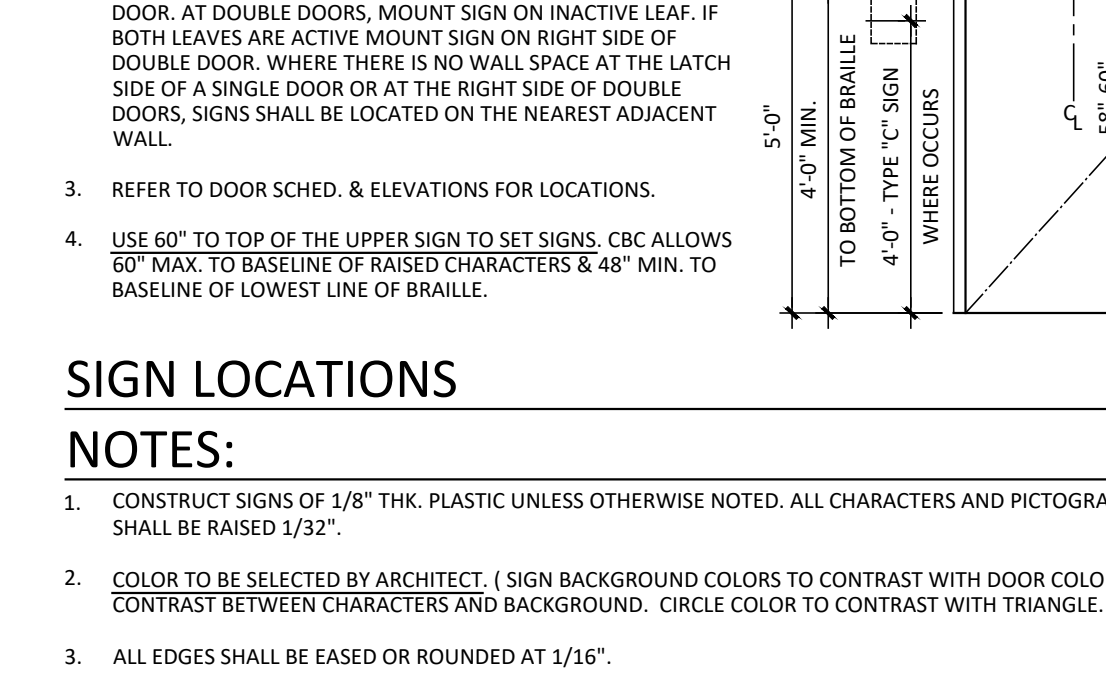
19 TYP. GYP. METAL EDGES
SCALE: N.T.S. DWF: 01 - REV-26_03.20



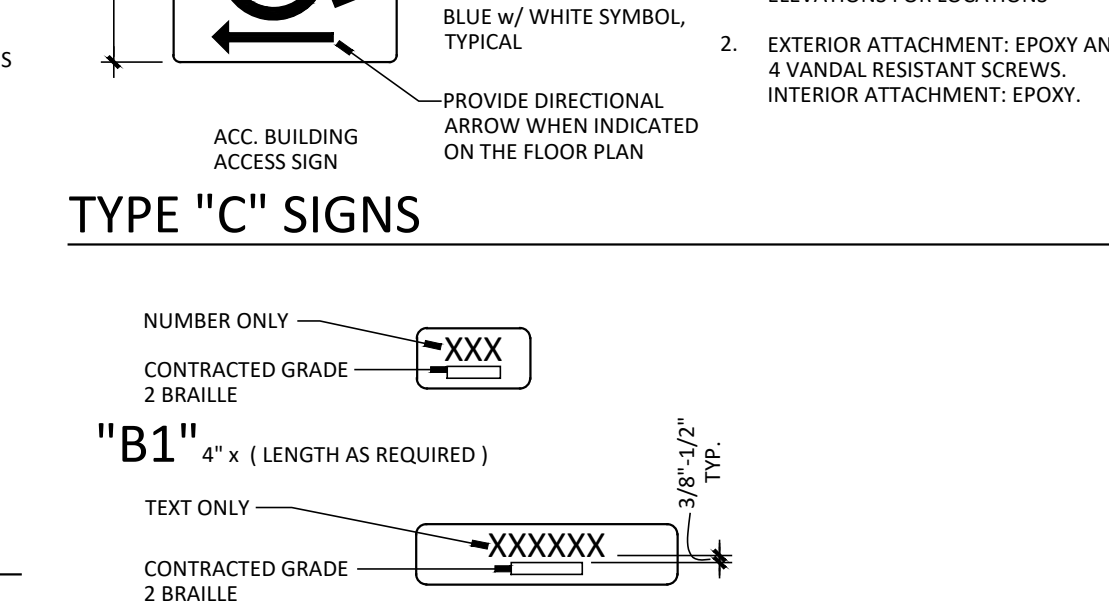
21 SIGN TYPES
SCALE: 1/4"=1'-0"



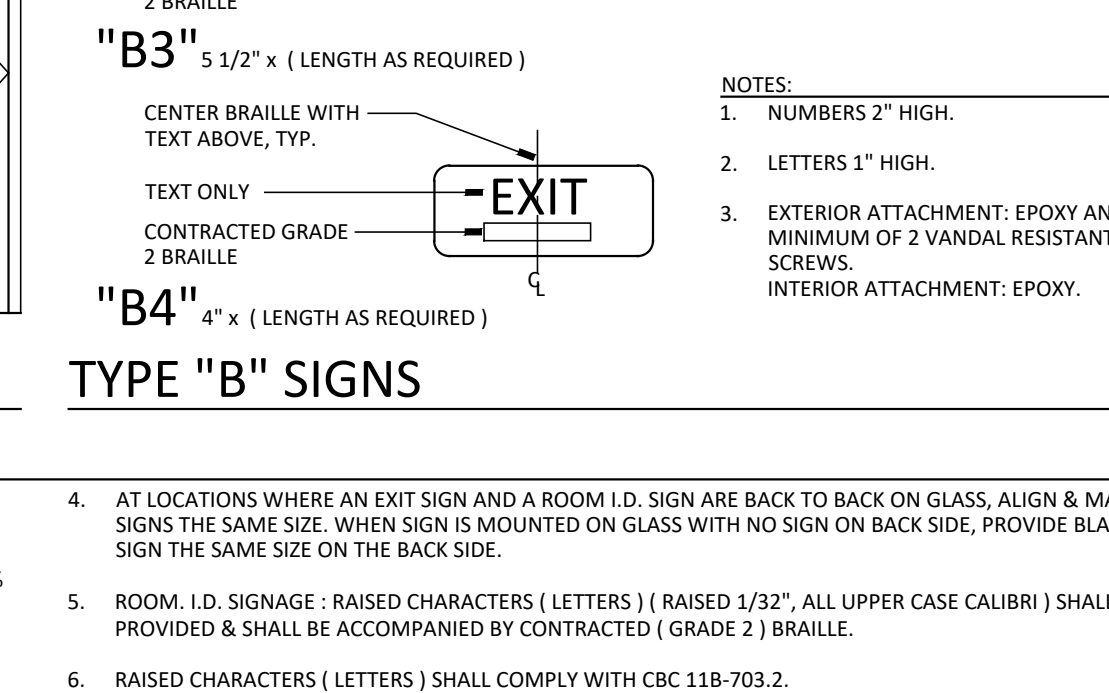
21 SIGN TYPES
SCALE: 1/4"=1'-0"



21 SIGN TYPES
SCALE: 1/4"=1'-0"

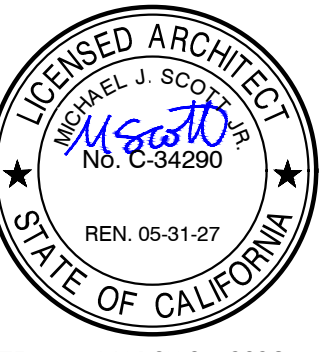


21 SIGN TYPES
SCALE: 1/4"=1'-0"



21 SIGN TYPES
SCALE: 1/4"=1'-0"

21 SIGN TYPES
SCALE: 1/4"=1'-0"



DATE: MARCH 31, 2026

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AT THREE RIVERS UNION ELEMENTARY SCHOOL**
41932 SIERRA DR., THREE RIVERS, CA 93271
THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

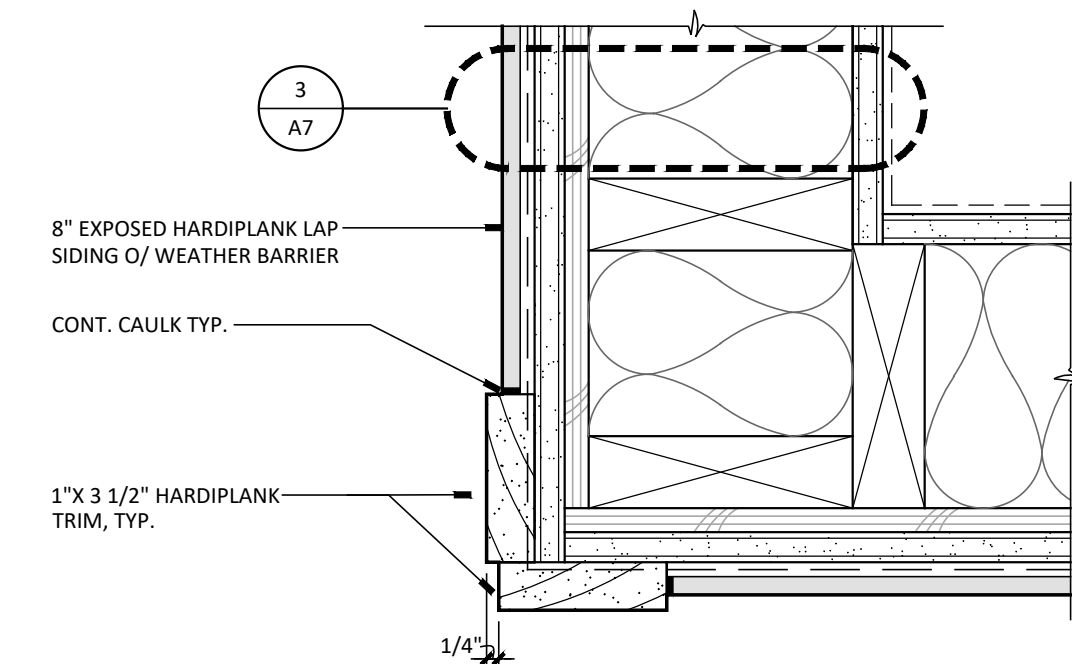
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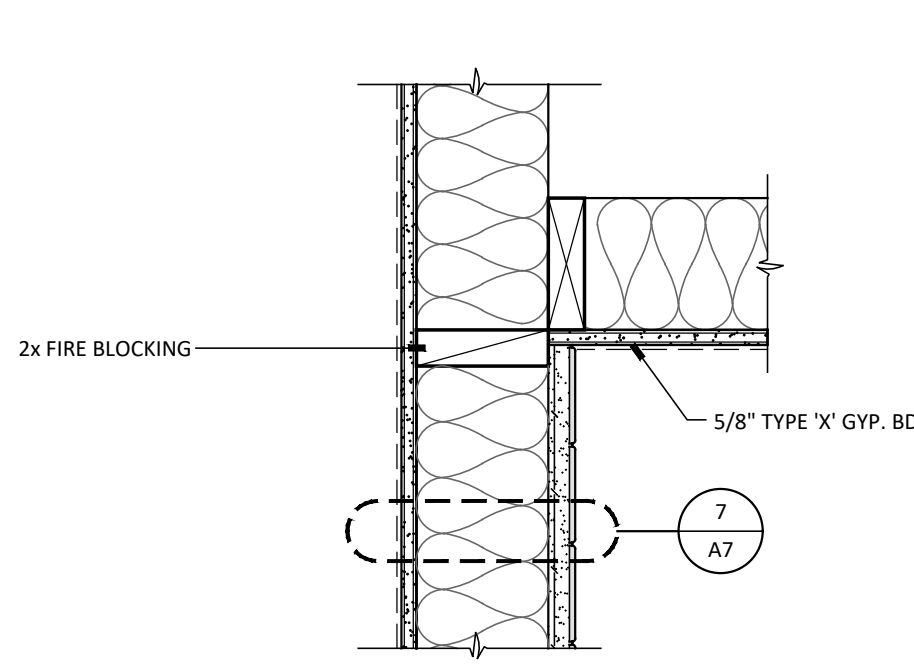
TITLE
WALL DETAILS

A11

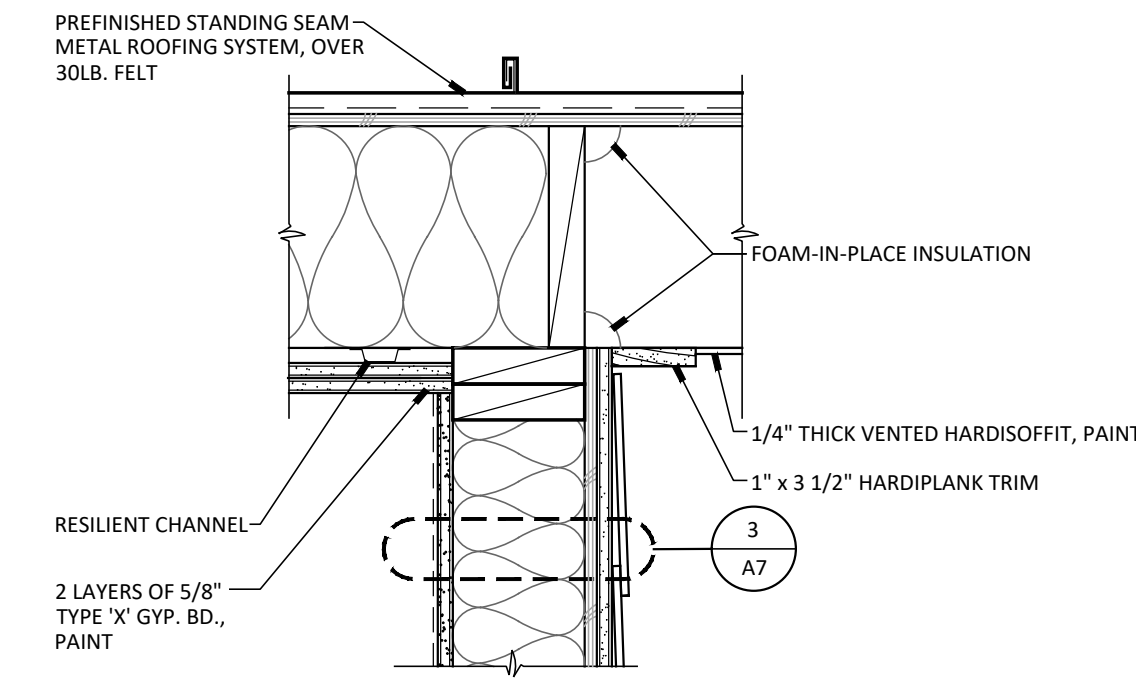
PROJECT 25057



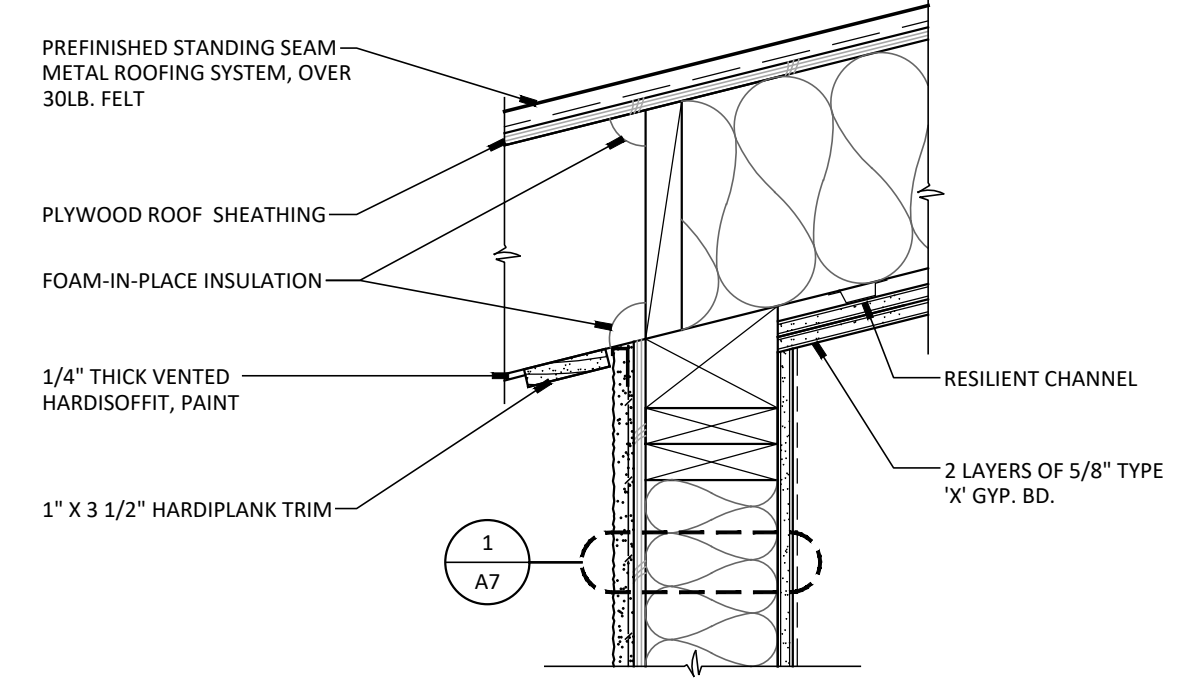
19 TYP. EXT. CORNER TRIM
SCALE: 3" = 1'-0"



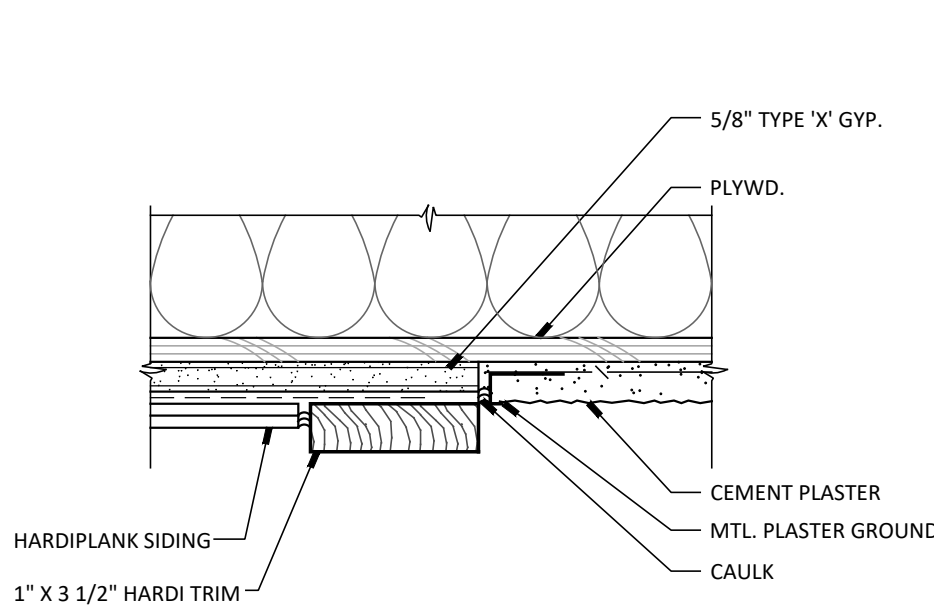
14 INTERIOR WALL AT CEILING
SCALE: 1-1/2" = 1'-0"



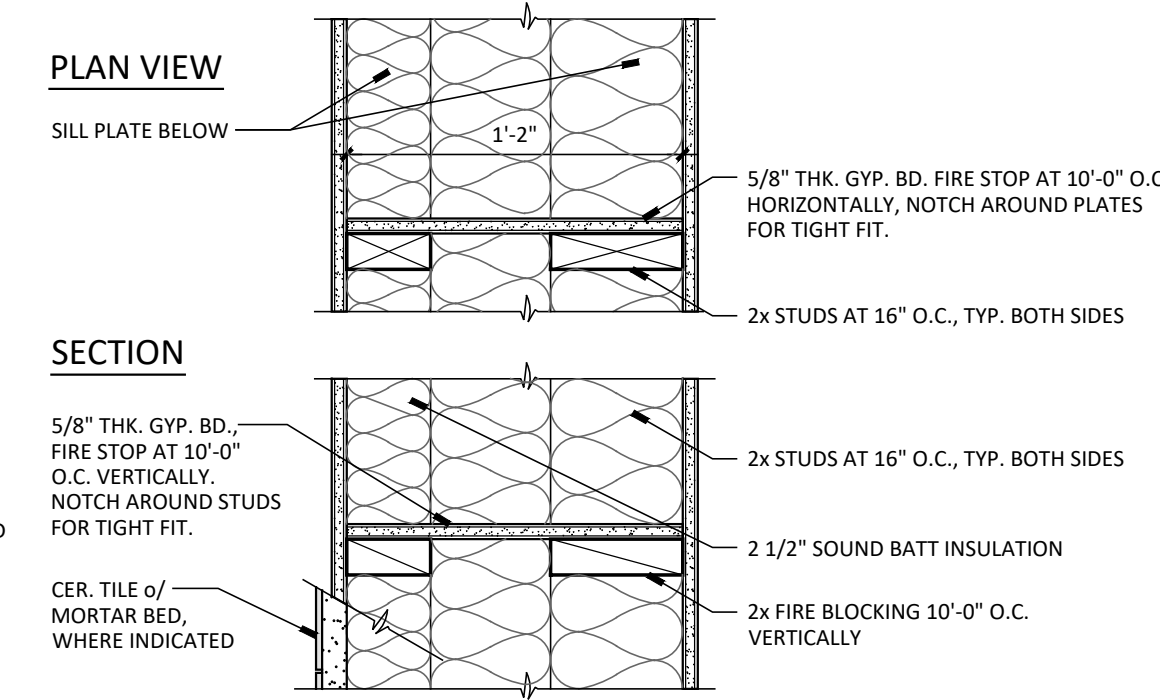
9 EXTERIOR WALL AT ROOF
SCALE: 1-1/2" = 1'-0"



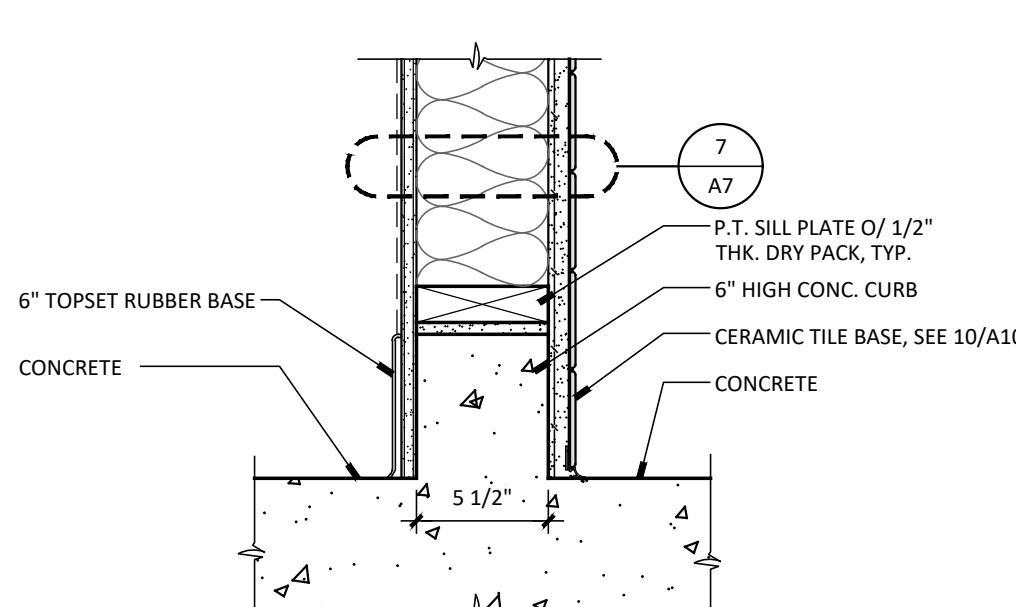
4 EXTERIOR WALL AT ROOF
SCALE: 1 1/2"=1'-0"



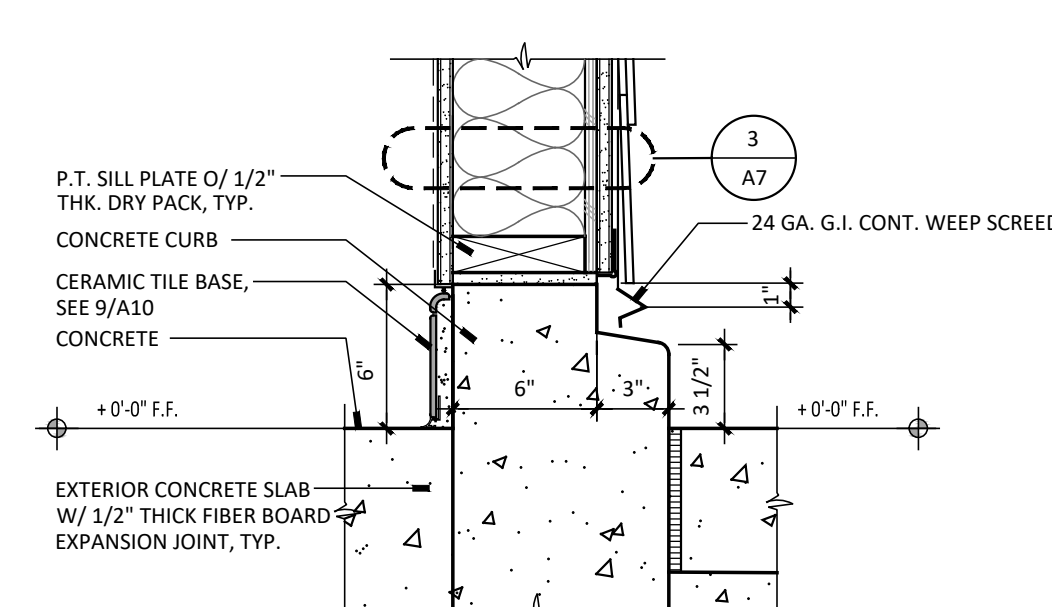
23 SIDING/ PLASTER TRANSITION
SCALE: 3" = 1'-0"



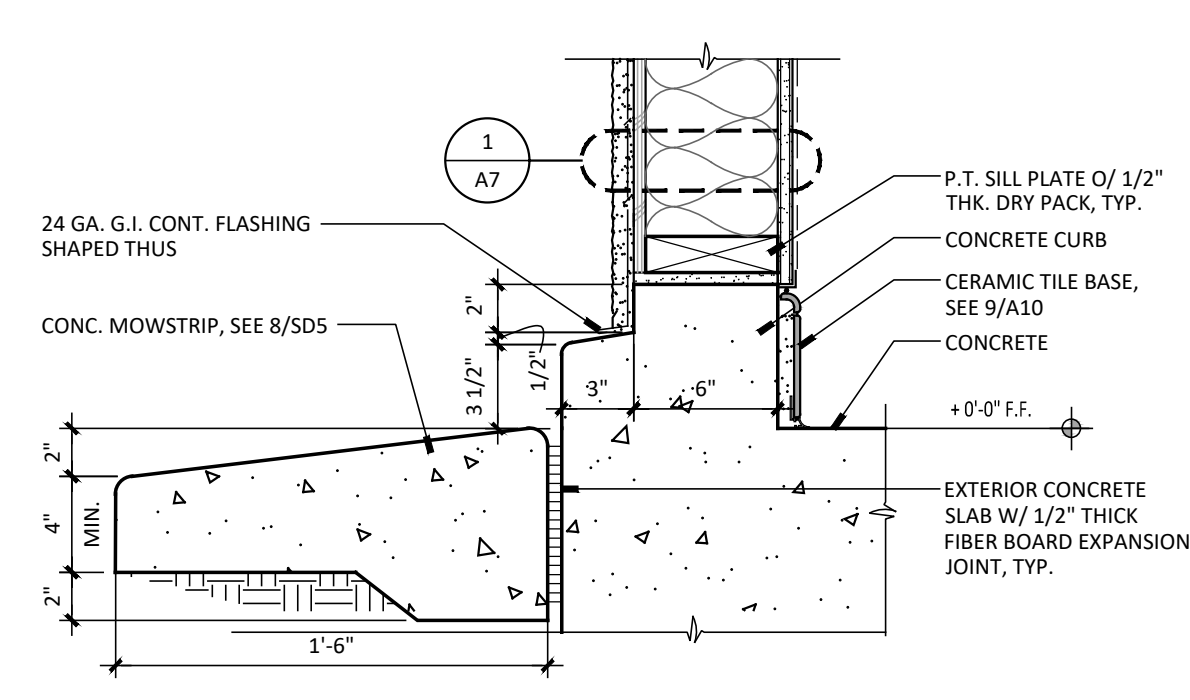
18 FIRE STOP AT INT. CHASE
SCALE: 1 1/2"=1'-0"



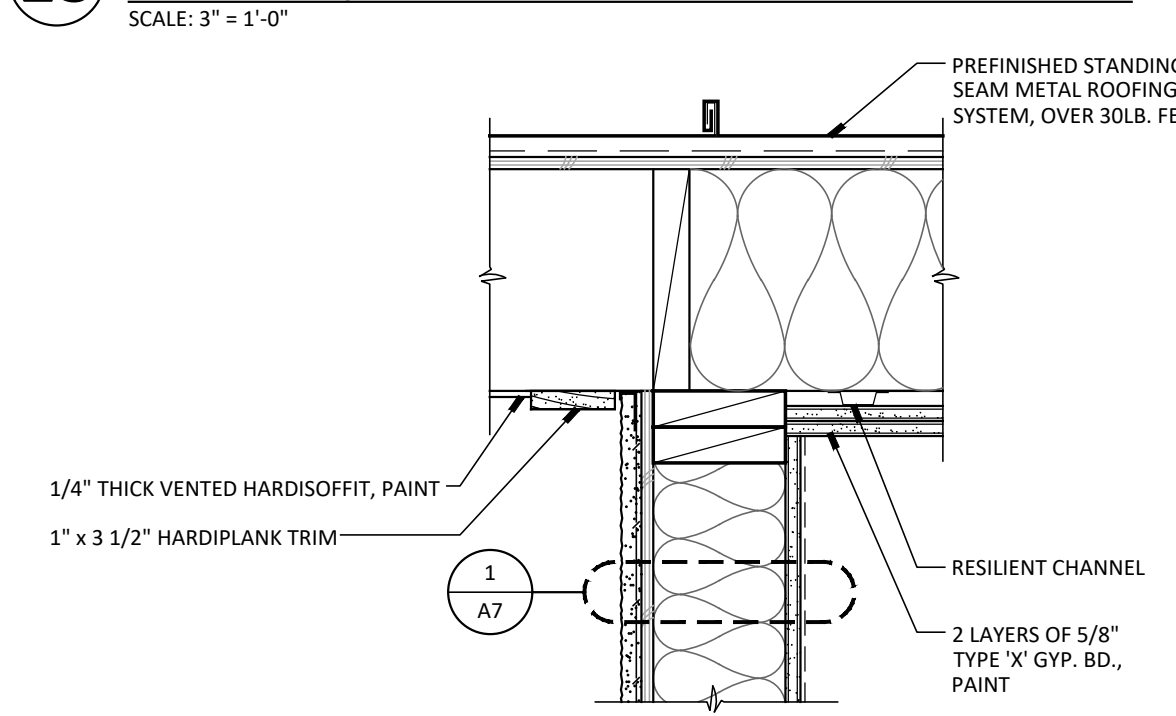
13 INTERIOR WALL AT BASE
SCALE: 1-1/2" = 1'-0"



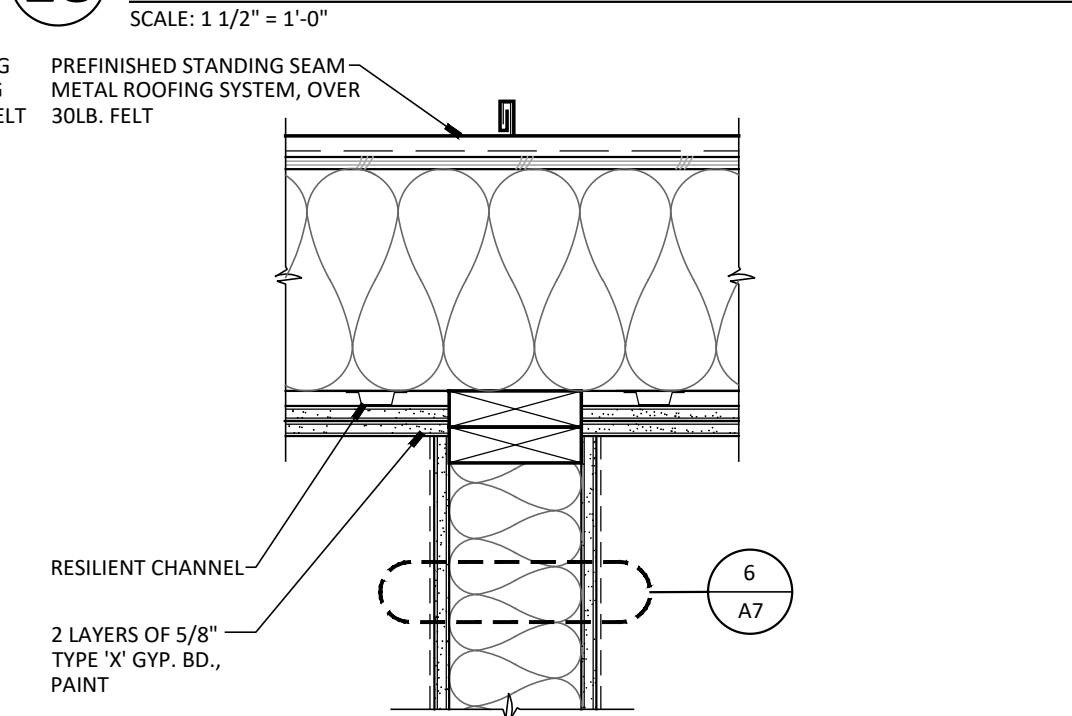
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SCALE: 1 1/2" = 1'-0"



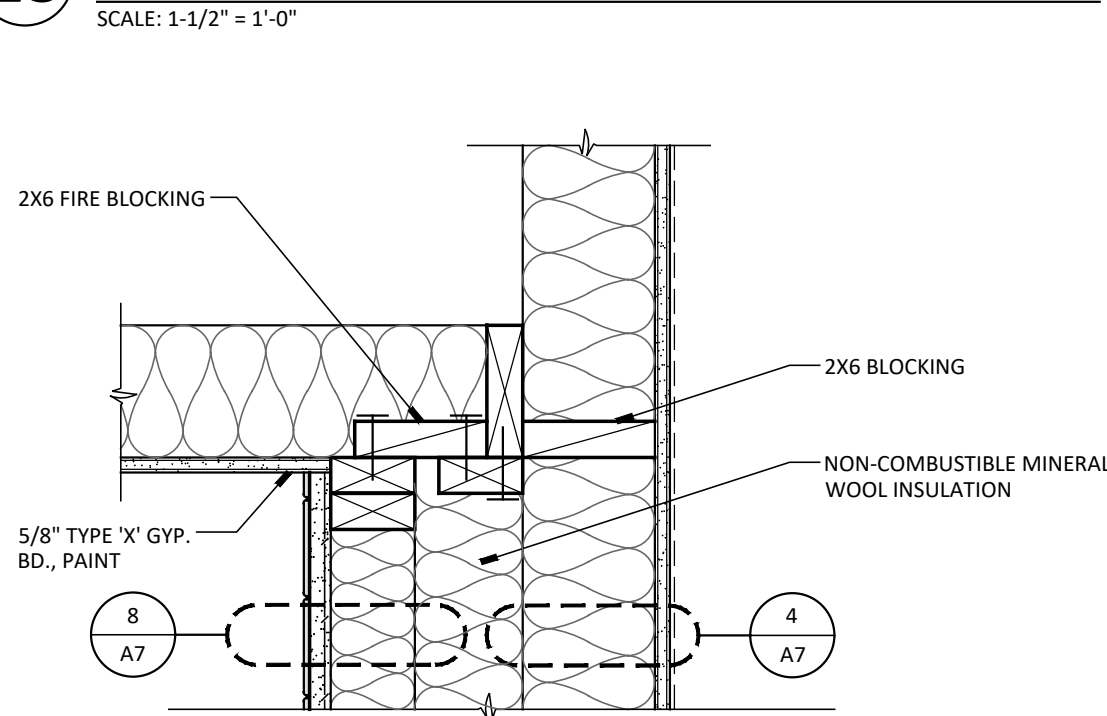
3 EXTERIOR WALL AT BASE
SCALE: 1 1/2"=1'-0"



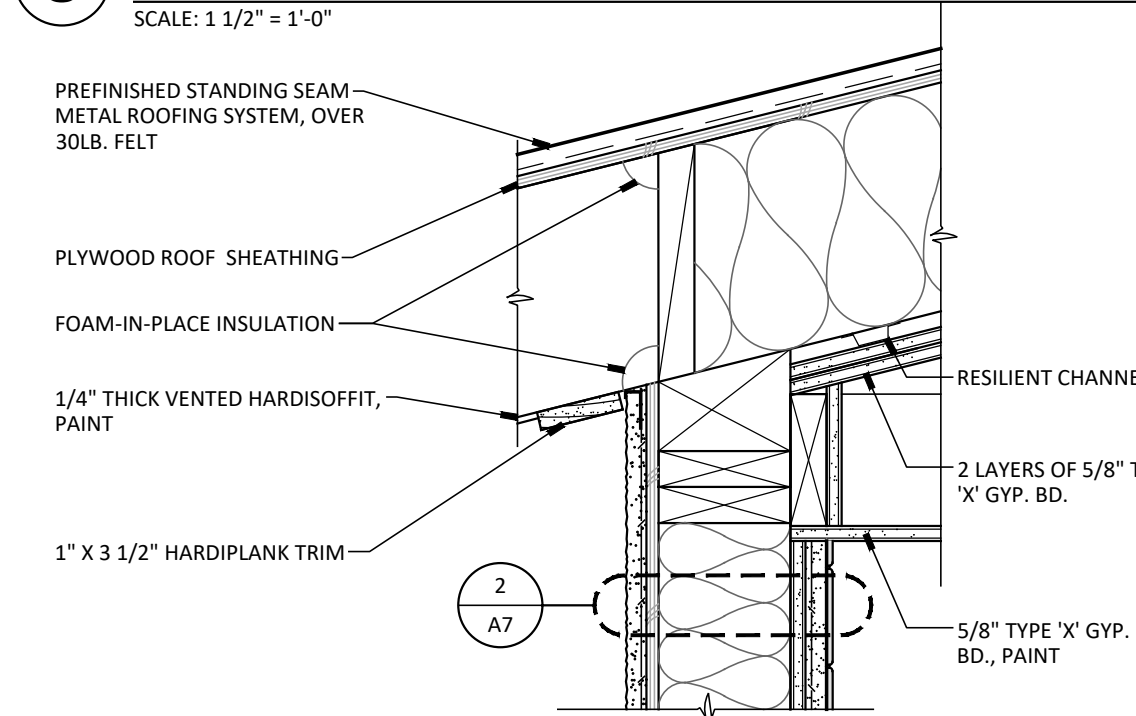
22 EXTERIOR WALL AT ROOF
SCALE: 1-1/2" = 1'-0"



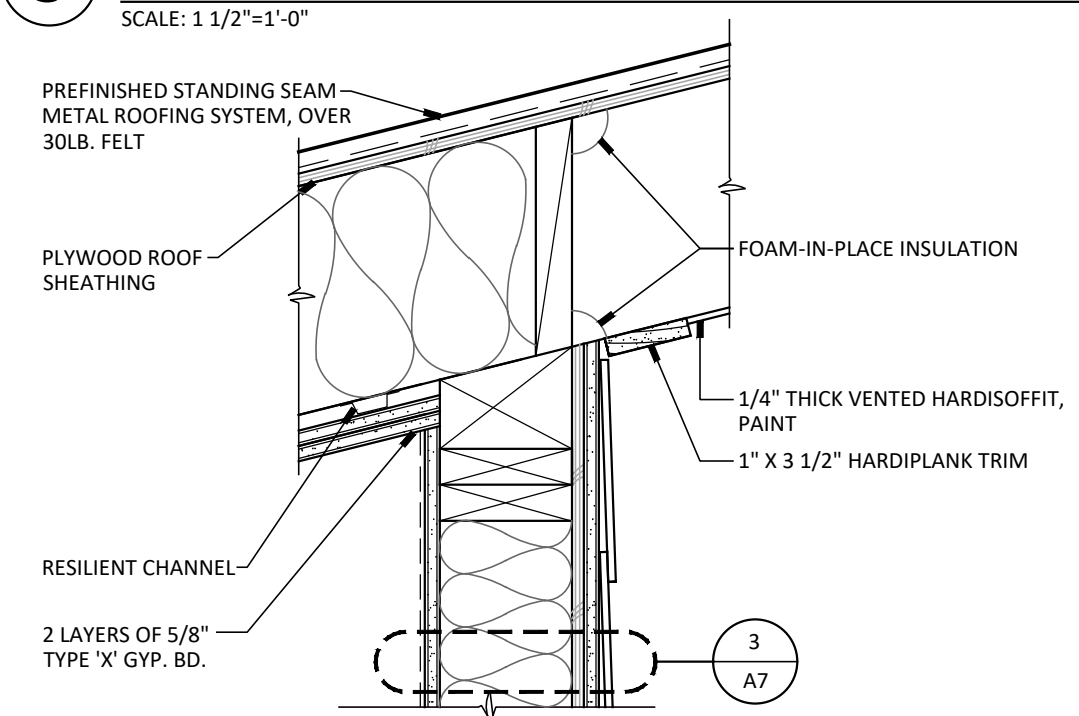
17 INTERIOR WALL AT ROOF
SCALE: 1-1/2" = 1'-0"



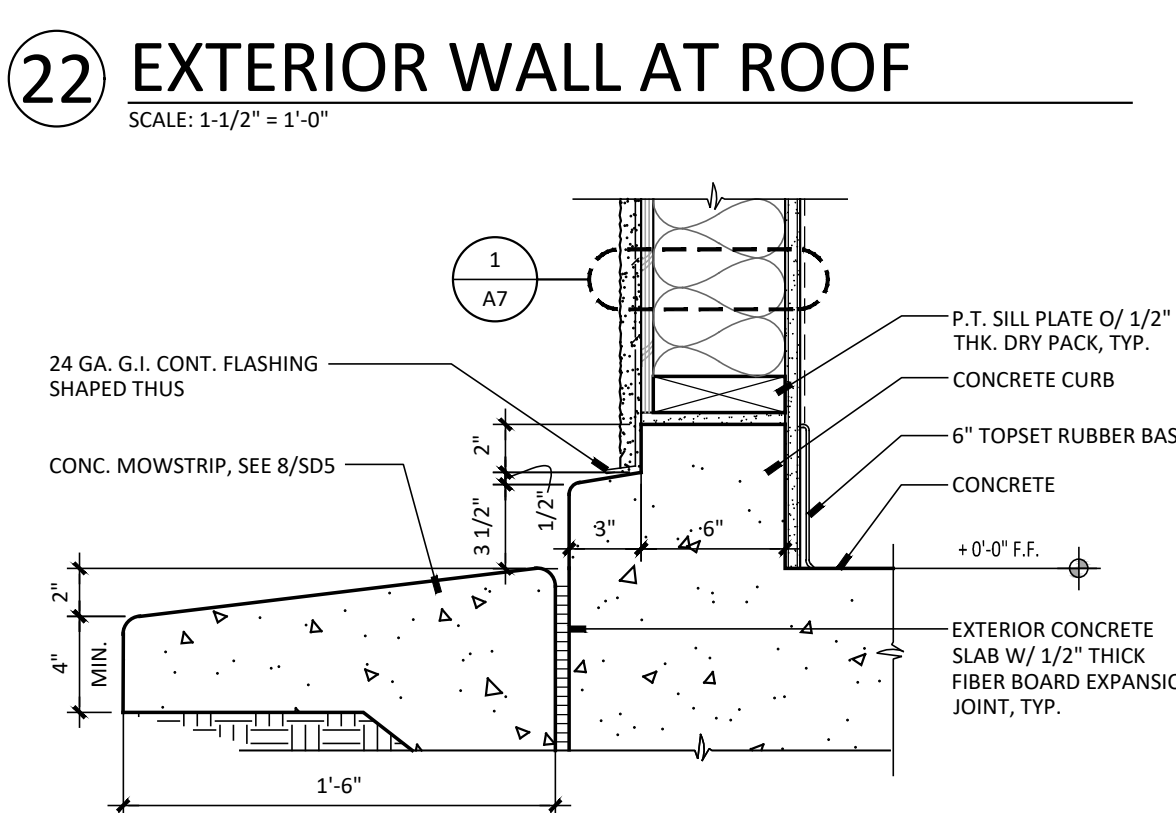
12 INTERIOR WALL AT CEILING
SCALE: 1-1/2" = 1'-0"



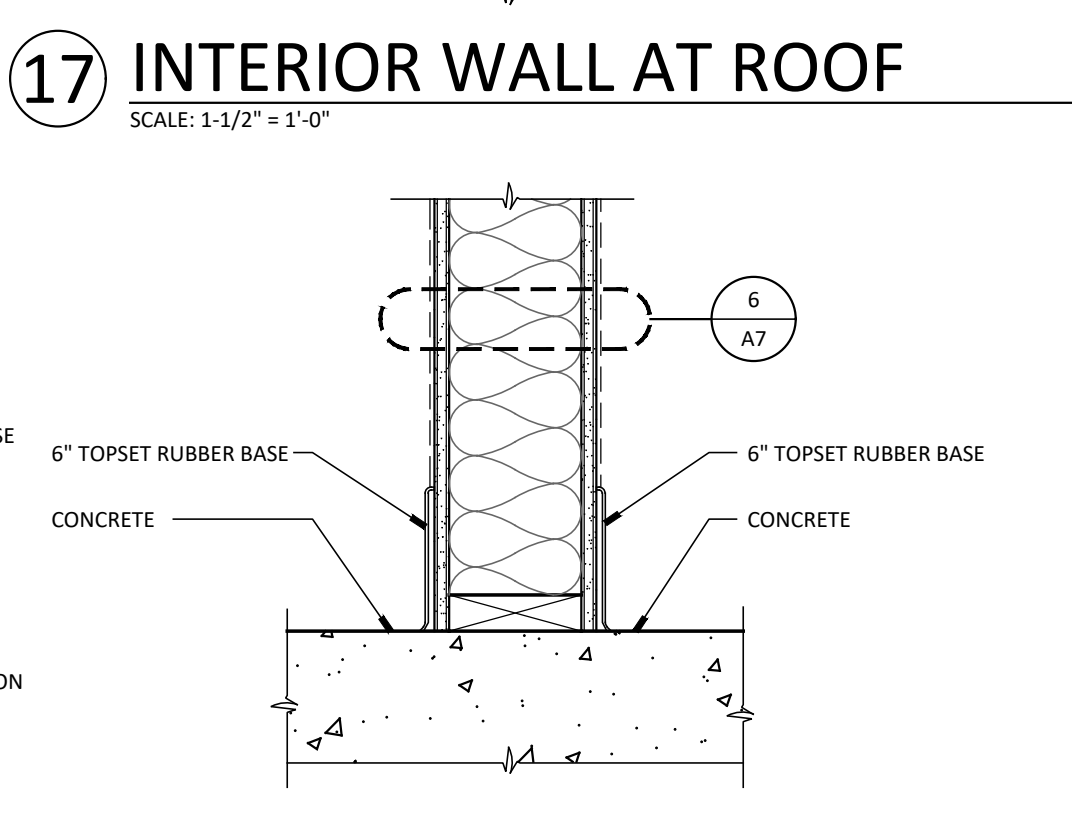
7 EXTERIOR WALL AT ROOF
SCALE: 1 1/2"=1'-0"



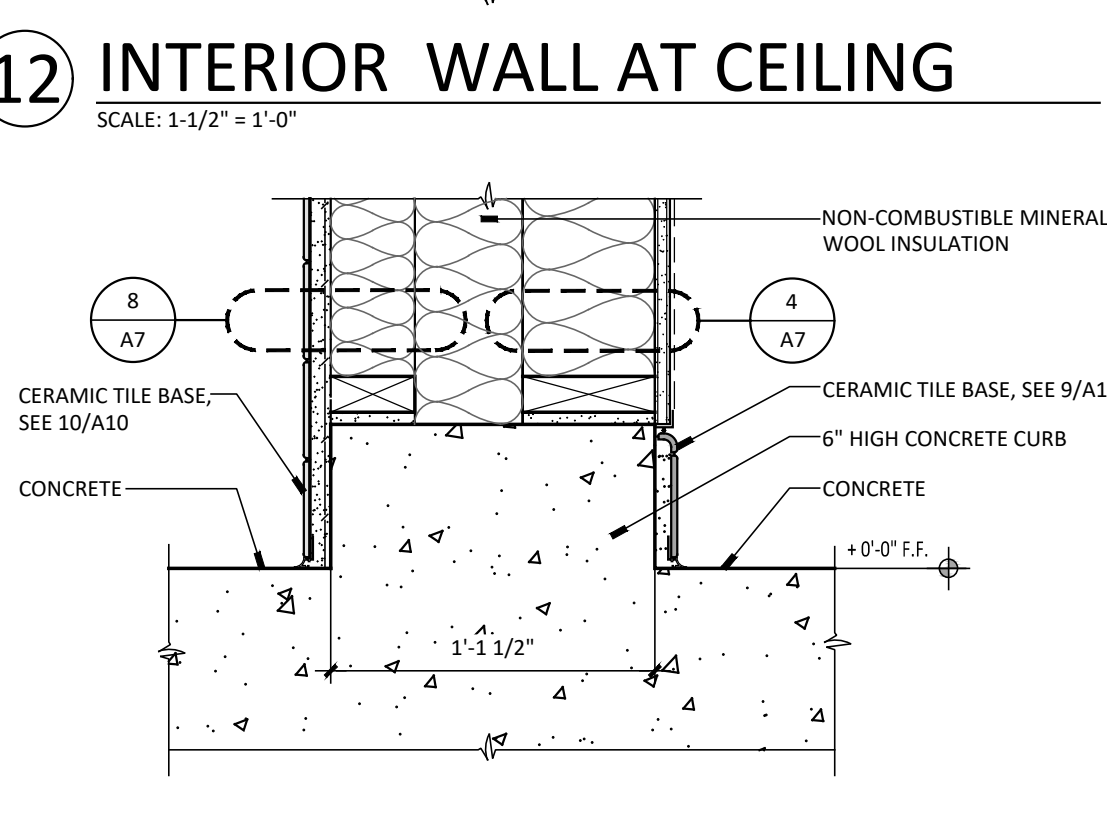
2 EXTERIOR WALL AT ROOF
SCALE: 1 1/2"=1'-0"



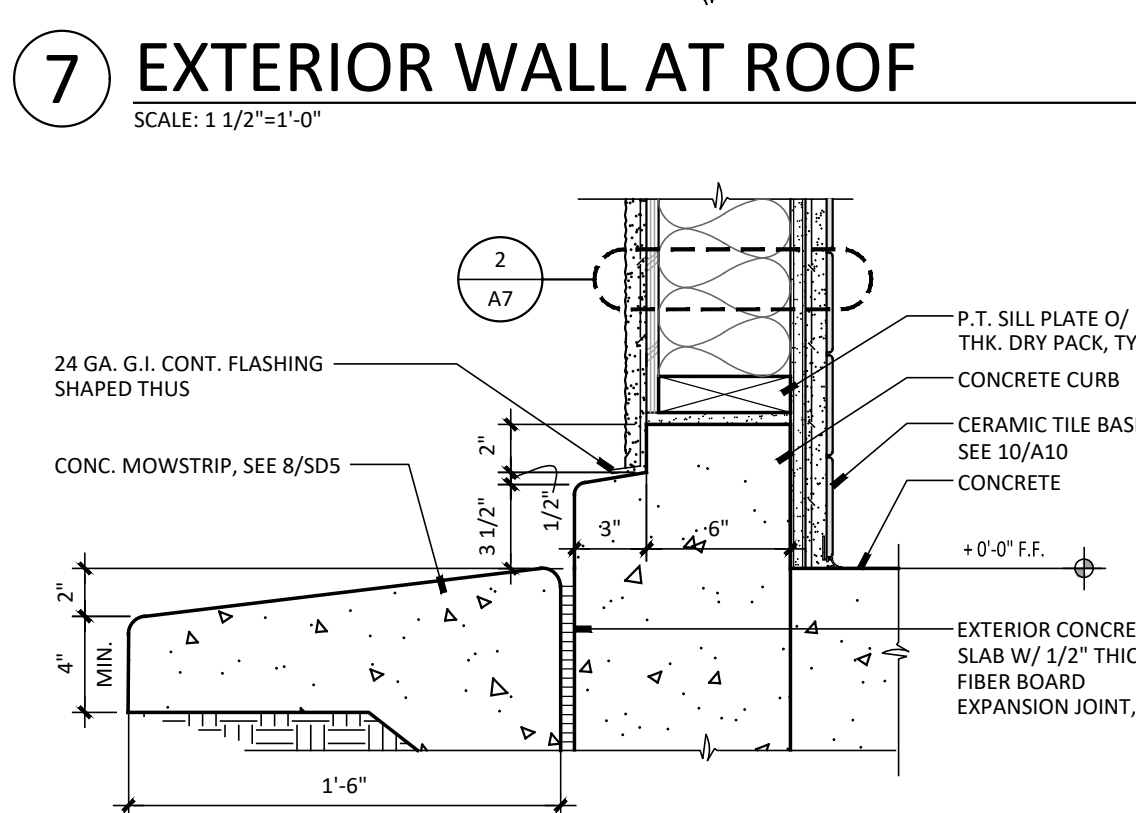
21 EXTERIOR WALL AT BASE
SCALE: 1 1/2"=1'-0"



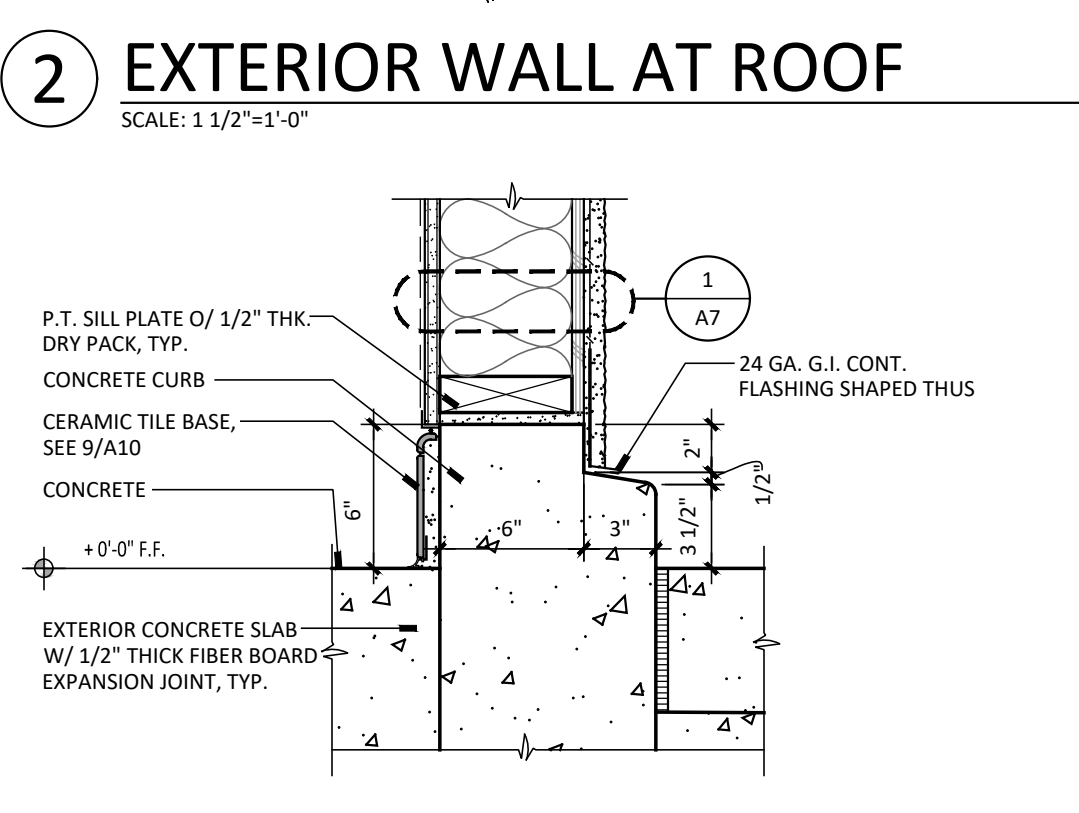
16 INTERIOR WALL AT BASE
SCALE: 1-1/2" = 1'-0"



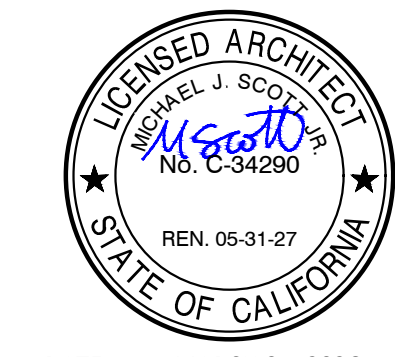
11 INTERIOR WALL AT BASE
SCALE: 1-1/2" = 1'-0"



6 EXTERIOR WALL AT BASE
SCALE: 1 1/2"=1'-0"



1 EXTERIOR WALL AT BASE
SCALE: 1 1/2"=1'-0"



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REVISIONS	
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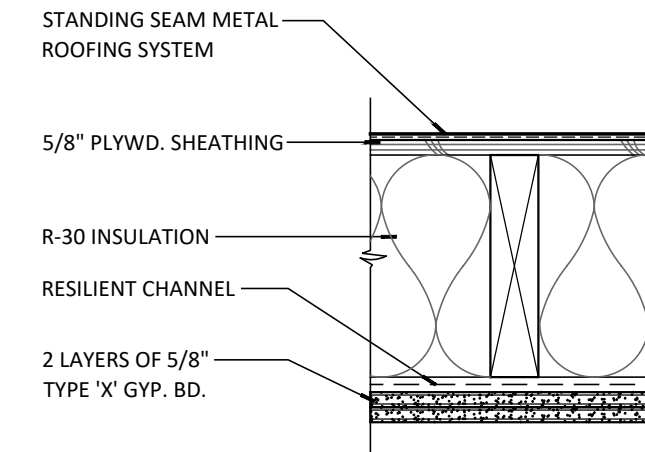
TITLE	DETAILS
A12	
PROJECT	25057

1-HOUR FIRE RATED
GYPSUM ASSOCIATION
FIRE RESISTANCE DESIGN MANUAL
GA FILE NO. FC 5503.3
**WOOD I-JOISTS, GYPSUM WALLBOARD, RESILIENT CHANNELS*

FIRE DESIGN:
BASE LAYER 5/8" TYPE X GYPSUM WALLBOARD OR GYPSUM VENEER BASE APPLIED AT RIGHT ANGLES TO RESILIENT CHANNELS SPACED 12" O.C. WITH 1" TYPE S CHANNELS SPACED 8" O.C. AT END JOINTS AND 16" O.C. IN THE FIELD OF THE PANEL. RESILIENT CHANNELS APPLIED AT RIGHT ANGLES TO A MINIMUM 9 1/2" DEEP PROPRIETARY WOOD JOIST SPACED 24" O.C. WITH 1-3/4" I/P W. SCANS. 3-1/2" GLASS FIBER INSULATION SECURED TO SUBFLOORING WITH STAPLES OR WOOD JOISTS WITH STEEL WIRES. FACE LAYER 5/8" TYPE X GYPSUM VENEER BASE APPLIED AT RIGHT ANGLES TO RESILIENT CHANNELS WITH 1-5/8" TYPE S SCREW 8" O.C. AND 1-1/2" TYPE G SCREWS 8" O.C. AT BUTT JOINTS LOCATE MIDSPAN BETWEEN RESILIENT CHANNELS

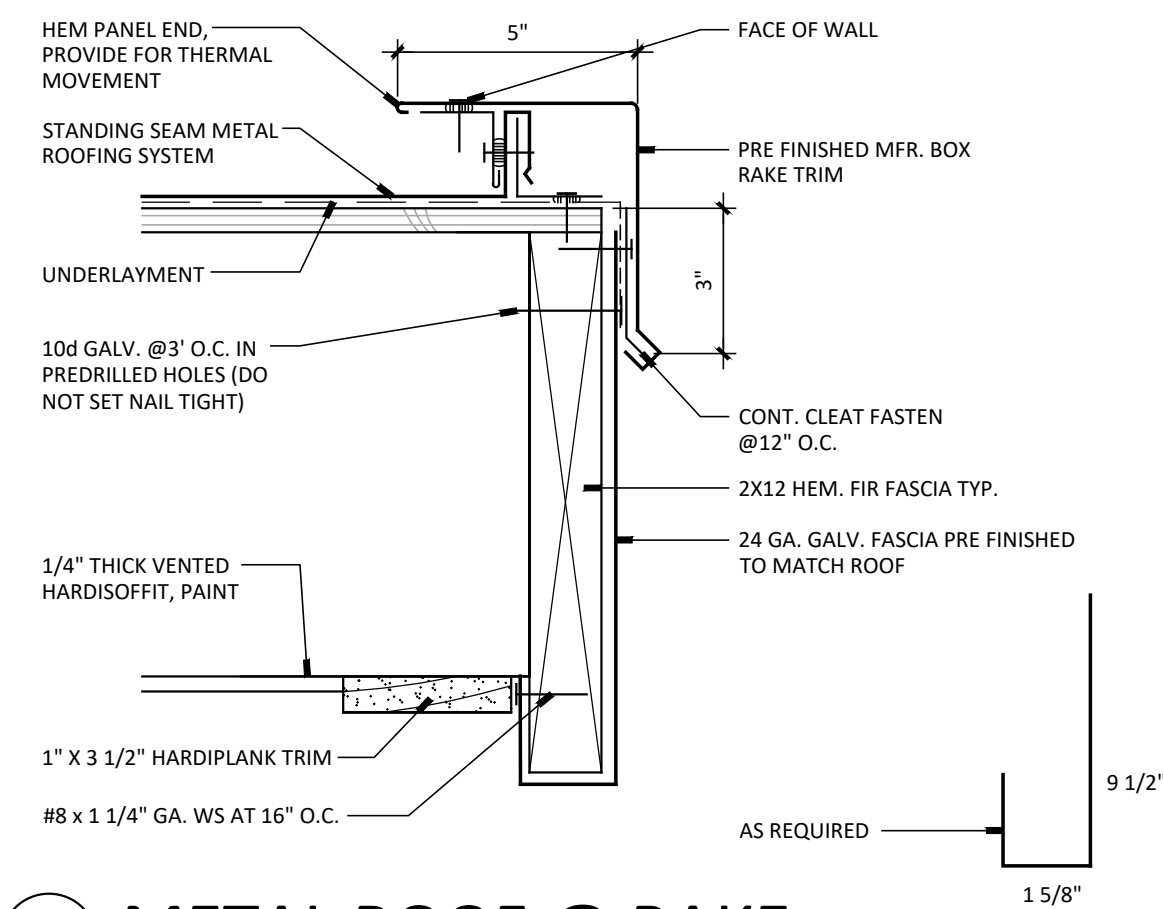
**PROPRIETARY GYPSUM BOARD:
GEORGIA-PACIFIC GYPSUM LLC 5/8"
TOUGHROCK® FIREGUARD C® GYPSUM
BOARD**

**CEILING PROVIDES ONE HOUR FIRE
RESISTANCE PROTECTION FOR JOISTS**



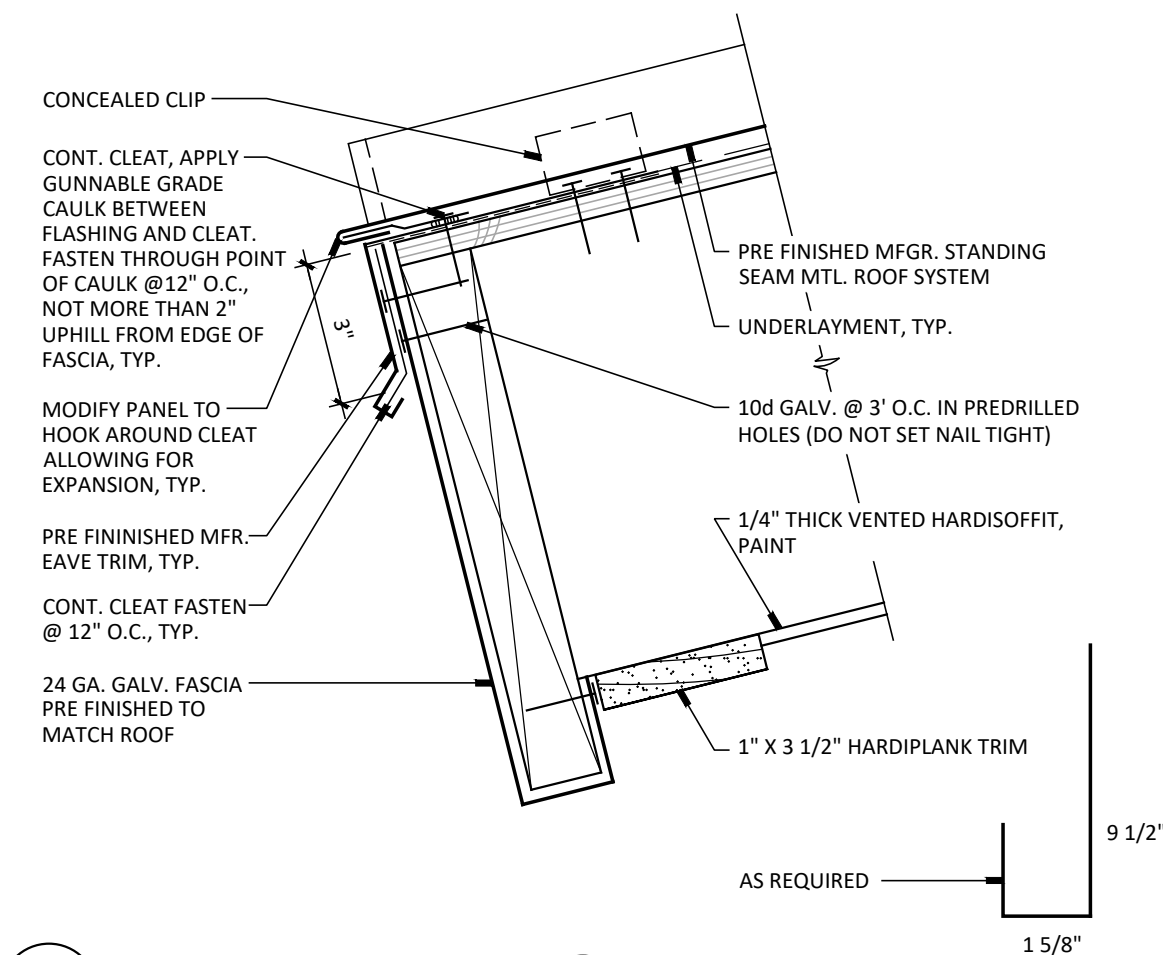
5 1-HR. RATED ROOF ASSEMBLY

SCALE: 1 1/2" = 1'-0"



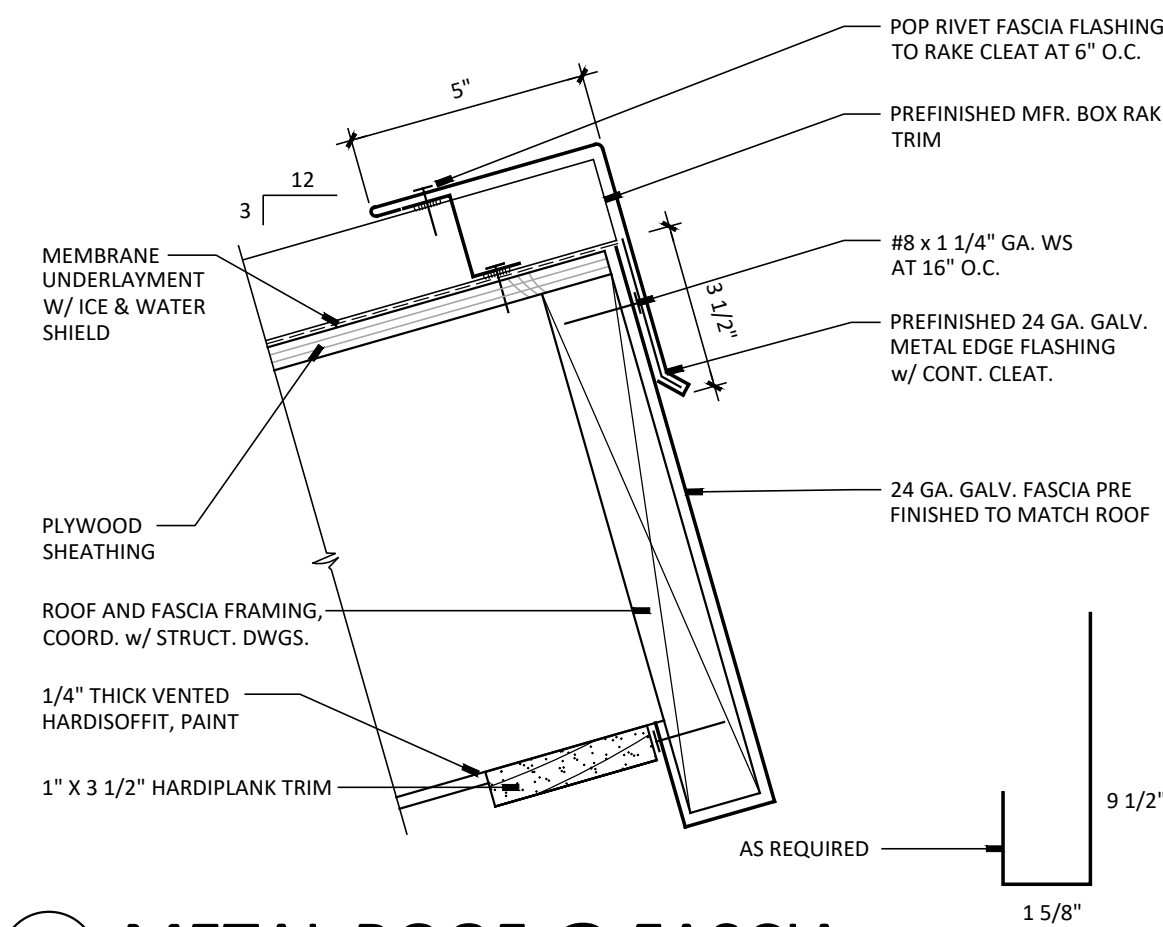
③ METAL ROOF @ RAKE

SCALE: 3" = 1'-0"



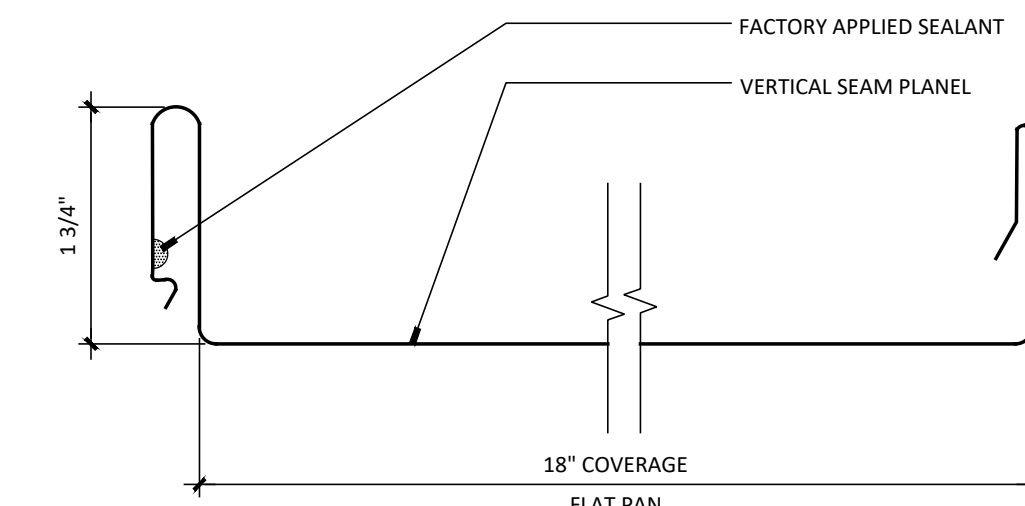
② METAL ROOF @ EAVE

SCALE: 3" = 1'-0"



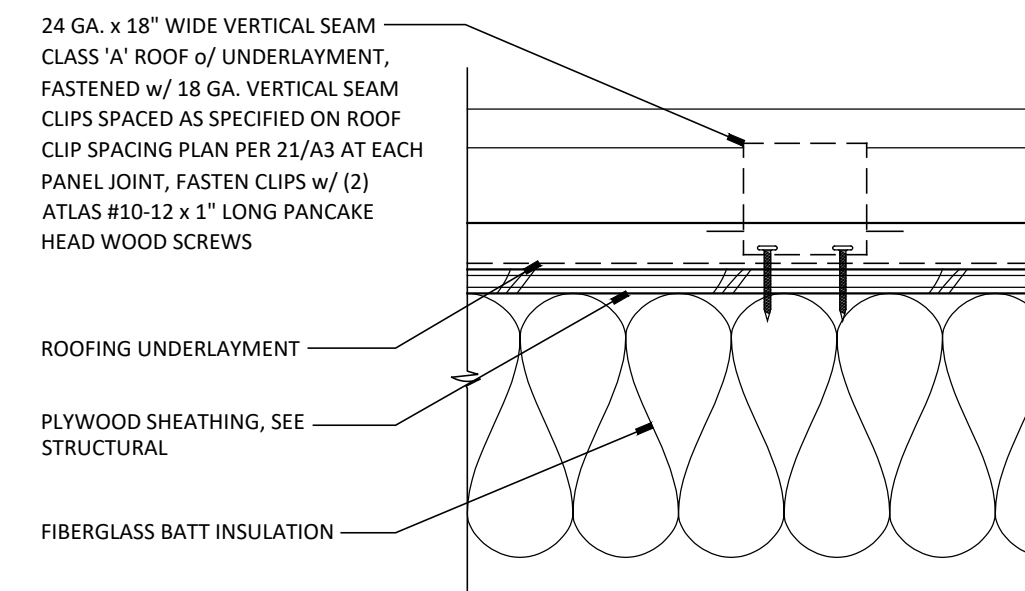
① METAL ROOF @ FASCIA

SCALE: 3" = 1'-0"

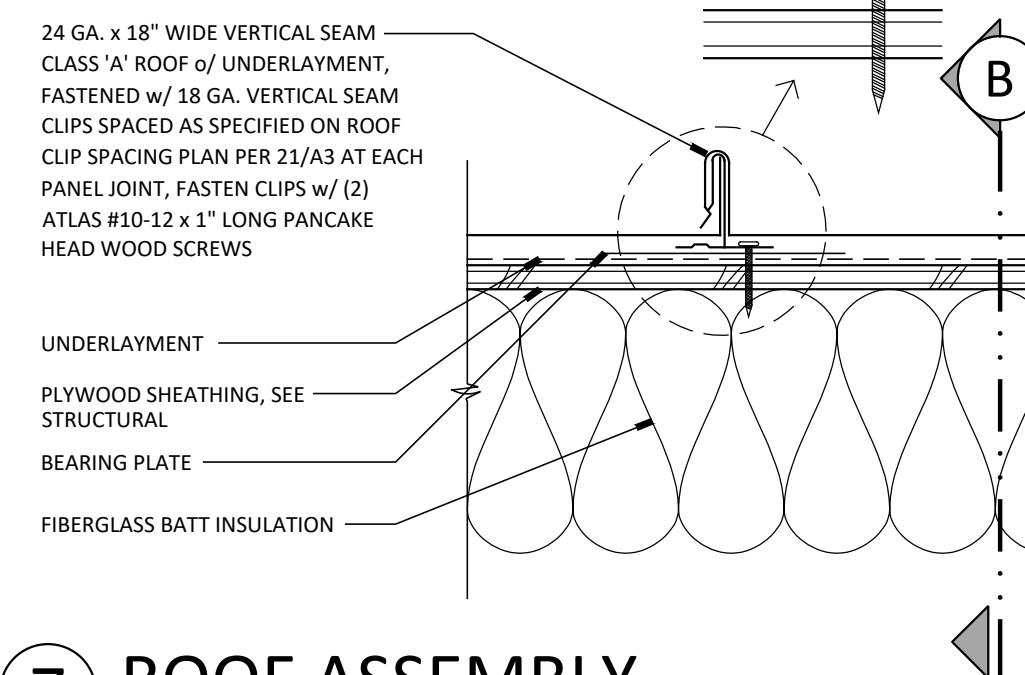
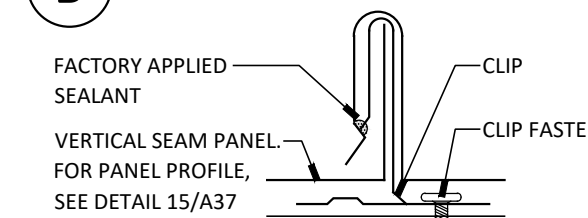


9 METAL ROOF PROFILE

SCALE 3" = 1'-0"



B PERPENDICULAR VIEW



7 ROOF ASSEMBLY

SCALE 3" = 1'-0"

6 NOT USED

SCALE: 3" = 1'-0"

STRUCTURAL STEEL NOTES

- ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH AISC'S "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (LATEST EDITION)" AND AISC'S "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES (LATEST EDITION)".
- UNLESS NOTED OTHERWISE, ALL "W" SHAPES SHALL BE ASTM A992, GRADE 50 (MINIMUM YIELD STRENGTH = 50 KSI). ALL OTHER SHAPES, PLATES AND BARS SHALL CONFORM WITH ASTM A36 WITH A MINIMUM YIELD STRENGTH OF 36 KSI.
- UNLESS NOTED OTHERWISE, STIFFENER PLATES AND CAP PLATES USED IN STEEL RIGID FRAMES SHALL CONFORM TO ASTM A992, GRADE 50. ALL BASE PLATES SHALL CONFORM TO ASTM A36.
- PIPE SHALL CONFORM TO ASTM A53, GRADE B. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B.
- UNLESS NOTED OTHERWISE, ALL UNFINISHED BOLTS SHALL CONFORM TO ASTM A307.
- UNLESS NOTED OTHERWISE, FIELD CONNECTIONS SHALL BE BOLTED USING TWO 3/4" DIAMETER UNFINISHED BOLTS MINIMUM.
- ALL STUD BOLTS SHALL BE NELSON STUDS OR EQUIVALENT AND SHALL BE INSTALLED BE A LICENSED FABRICATOR.
- WHERE USED ON PROJECT, HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", AS APPROVED BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS OF THE ENGINEERING FOUNDATION, LATEST EDITION.
- PROVIDE FILLER PLATES AT SPLICES OF PARTS HAVING MORE THAN 1/8" DIFFERENCE IN THICKNESS.
- PROVIDE BEVELD WASHERS ON ALL CONNECTIONS TO SLOPING FLANGES OF "W" SECTIONS AND CHANNELS.
- ALL WELDING SHALL BE DONE BY QUALIFIED WELDERS USING A PREAPPROVED PROCESS. ALL WELDS SHALL BE UNIFORM IN SIZE AND APPEARANCE, AND FREE OF PINHOLES, POROSITY, UNDERCUTTING OR OTHER DEFECTS. ALL BUTT WELDS SHALL BE FULL PENETRATION.
- ALL WELDING SHALL COMPLY WITH THE REQUIREMENTS OF AWS D1.1 (LATEST EDITION). JOINT DETAILS SHALL COMPLY WITH AWS REQUIREMENTS FOR JOINTS ACCEPTED WITHOUT QUALIFICATION TESTS.
- COMPLETE PENETRATION WELDS AT DUAL GRADE OR OTHER HIGH-STRENGTH/LOW ALLOY STEEL SHALL BE MADE IN ACCORDANCE WITH THE REQUIREMENTS FOR ASTM A992, GRADE 50 STEEL.
- WELD METAL SHALL HAVE A NOMINAL TENSILE STRENGTH OF 70,000 PSI MINIMUM AND THE FOLLOWING CHARPY V-NOTCH TOUGHNESS REQUIREMENTS AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION:
20 FT.-LBS. AT -20° F
40 FT.-LBS. AT 70° F
- ALL BUTT WELDS SHALL BE COMPLETE PENETRATION.
- ALL STEEL SHALL BE THOROUGHLY CLEANED, REMOVING ALL LOOSE MILL SCALE, GREASE, DIRT AND FOREIGN MATTER BY SCRAPING OR SANDBLASTING. APPLY ONE COAT OF SHOP PRIMER (2 MIL DFT). DO NOT SHOP PAINT MEMBERS OR PORTIONS OF MEMBERS TO BE EMBEDDED IN CONCRETE OR MORTAR PAINT EMBEDDED STEEL WHICH IS PARTIALLY XPOSED ON EXPOSED PORTIONS AND INITIAL 2 INCHES OF EMBEDDED PORTIONS ONLY. DO NOT PAINT SURFACES WHICH ARE TO BE WELDED.
- IMMEDIATELY AFTER ERECTION, CLEAN FIELD WELDS, BOLTED CONNECTIONS, AND ABRADED AREAS OF SHOP PAINT. APPLY PRIMER TO EXPOSED AREAS WITH SAME MATERIAL AS USED FOR SHOP PRIMER.
- OPENINGS SHALL NOT BE PLACED IN STEEL MEMBERS UNLESS SPECIFICALLY DETAILED. STEEL MEMBERS SHALL BE SHORED WHEN PERMISSIBLE HOLES ARE CUT WITH TORCH AFTER STEEL IS ERECTED. THE SHORES SHALL REMAIN IN PLACE UNTIL STEEL TEMPERATURE HAS RETURNED TO AIR TEMPERATURE.
- STRUCTURAL MEMBERS THAT ARE SUPPORTING LOADS SHALL BE ADEQUATELY SHORED AND BRACED PRIOR TO ANY WELDING OPERATIONS.
- THE STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STEEL TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION.
- TEMPORARY SUPPORTS AND BRACING REQUIRED FOR THE ERECTION OPERATION OF ALL STRUCTURAL STEEL MEMBERS SHALL BE DESIGNED, FURNISHED AND INSTALLED BY THE ERECTOR.
- ALL SHOP WELDING SHALL BE PERFORMED BY A LICENSED FABRICATOR MEETING THE MINIMUM QUALITY CONTROL REQUIREMENTS OF 2025 CALIFORNIA BUILDING CODE SECTION 1705A.2.7 PRIOR TO BEGINNING WORK, FABRICATOR SHALL OBTAIN APPROVAL FROM THE BUILDING OFFICIAL IN LIEU OF AN APPROVED FABRICATOR, THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR TO OBSERVE AND APPROVE ALL SHOP WELDING. ALL FIELD WELDING SHALL REQUIRE SPECIAL INSPECTION.
- STEEL FABRICATOR SHALL VERIFY ALL DIMENSIONS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS AND SHALL COORDINATE WITH MECHANICAL SUBCONTRACTOR FOR THE SIZE, LOCATION AND DIMENSIONS OF MECHANICAL UNITS & OPENINGS.

SPECIAL INSPECTION NOTES

- SPECIAL INSPECTIONS REQUIRED BY THIS CODE ARE NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISE OF A FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVAL SHALL BE BASED UPON REVIEW OF THE FABRICATOR'S WRITTEN PROCEDURAL AND QUALITY CONTROL MANUALS AND PERIODIC AUDITING OF FABRICATION PRACTICES BY AN APPROVED INSPECTION AGENCY.
- INSPECTORS SHALL SUBMIT THEIR REPORTS DIRECTLY TO THE ENFORCEMENT AGENCY WITH COPIES TO THE ARCHITECT, STRUCTURAL ENGINEER, GENERAL CONTRACTOR AND OWNER.
- APPROVAL BY THE INSPECTOR DOES NOT MEAN APPROVAL OF FAILURE TO COMPLY WITH THE PLANS OR SPECIFICATIONS. ANY WORK TO BE DONE OR ANY MATTER RELATIVE THERETO THAT IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE ARCHITECT FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.
- THE ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHARGE IS REQUIRED TO OBSERVE THE CONSTRUCTION AT SIGNIFICANT STAGES OF PROGRESS. THE CONTRACTOR SHALL COORDINATE EFFORTS IN SUCH A WAY THAT THESE SITE VISITS CAN BE ACCOMMODATED.
- IN ACCORDANCE WITH 2025 C.B.C. SECTIONS 110 AND 1704A.2, THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR WHO SHALL PROVIDE SPECIAL INSPECTION DURING CONSTRUCTION ON THE FOLLOWING TYPES OF WORK:
 - CONCRETE: PER CBC SECTION 1705A.3 AND TABLE 1705A.3 WITH EXCEPTIONS. THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION: ALL CONCRETE EXCEPT: SLAB-ON-GRADES, SIDEWALKS AND DRIVEWAYS.
 - STEEL CONSTRUCTION: SPECIAL INSPECTIONS FOR STEEL SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360. SPECIAL INSPECTION FOR SEISMIC RESISTANCE SHALL BE IN ACCORDANCE WITH AISC 341 AND SHALL COMPLY WITH SECTION 1705A.2. PROVIDE INSPECTION PER CBC SECTION 1704A.2.5 FOR STRUCTURAL STEEL MEMBERS AND ASSEMBLIES FABRICATED ON THE PREMISES OF A FABRICATOR'S SHOP. THESE INSPECTIONS SHALL BE AT CONTRACTOR'S EXPENSE IN THE FABRICATOR IS NOT AN APPROVED FABRICATOR PER SECTION 1704A.2.5.
 - WELDING: WELDING INSPECTION SHALL BE IN COMPLIANCE WITH AWS D1.1. THE BASIS FOR WELDING INSPECTOR QUALIFICATIONS SHALL BE AWS D1.1. PROVIDE SPECIAL INSPECTION IN ACCORDANCE WITH AISC TABLES N6.4-1 THROUGH TABLE N6.4.3.
 - EXPANSION BOLT, SCREW ANCHOR AND ADHESIVE ANCHORS: INSTALLATION TO VERIFY INSTALLATION IN ACCORDANCE WITH APPLICABLE ICC REPORTS NOTED ON NOTE SHEET OR DETAILS.

FRAMING LUMBER

- FRAMING LUMBER SHALL BE DOUGLAS FIR-LARCH AND GRADE MARKED PER WYPA SPECIFICATIONS AS FOLLOWS (NOMINAL DIMENSIONS):

STUDS	NO. 2 OR BETTER
LIGHT FRAMING (T = 2"-4", W = 2"-4")	NO. 2 OR BETTER
JOIST & PLANKS (T = 2"-4", W >= 5")	NO. 2 OR BETTER
BEAMS & STRINGERS (T >= 5", W = 12"-2")	NO. 1 OR BETTER
POSTS & TIMBERS (T >= 5", W <= 12")	NO. 1 OR BETTER
- ALL FRAMING LUMBER 2" TO 4" THICK SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19 PERCENT.
- ALL WOOD BEARING ON CONCRETE SLABS PLACED ON EARTH SHALL BE PRESSURE TREATED DOUGLAS FIR NO. 1 OR BETTER, UNLESS NOTED OTHERWISE. EACH PIECE SHALL BEAR THE GRADEMARK OF AN AGENCY ACCREDITED BY THE AMERICAN LUMBER STANDARDS COMMITTEE.
- PROVIDE DRYPACK UNDER ALL SILL PLATES AT BEARING AND SHEAR WALLS WHERE CONCRETE FOUNDATION IS NOT PERFECTLY LEVEL.
- STRUCTURAL PLYWOOD SHALL CONFORM TO APA PDS (LATEST EDITION), UNLESS NOTED OTHERWISE, PLYWOOD SHALL BE APA RATED SHEATHING, C-D, EXPOSURE 1. SEE DRAWINGS FOR REQUIRED THICKNESS AND PANEL INDEX.
- FRAMING HARDWARE SHALL BE AS MANUFACTURED BY "SIMPSON" OR "UNITED STEEL PRODUCTS (USP)". ALL HOLES TO RECEIVE NAILS. SUBSTITUTIONS FOR FRAMING HARDWARE NOT BE MADE UNLESS APPROVED.
- NAILING SHALL CONFORM TO TABLE 2304.10.2 OF THE 2025 C.B.C. UNLESS OTHERWISE NOTED AS MORE RESTRICTIVE. USE COMMON NAILS.
- NO STRUCTURAL MEMBER SHALL BE CUT OR NOTCHED UNLESS SPECIFICALLY SHOWN, NOTED, OR APPROVED BY THE ENGINEER.
- PROVIDE STANDARD CUT WASHERS UNDER HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD.
- BOLT HOLES SHALL BE NOMINAL DIAMETER OF BOLT PLUS 1/16 INCH UNLESS OTHERWISE NOTED.
- SPACE ALL BOLTS IN WOOD 4 DIAMETERS MINIMUM WITH 7 DIAMETERS MINIMUM END DISTANCE, UNLESS NOTED OTHERWISE.
- ALL FINISH LUMBER SHALL BE CLEAR, SOUND, DRY DOUGLAS FIR-LARCH FINISHED IN A NEAT MANNER READY FOR FINISH MATERIAL.
- PROVIDE BLOCKING AND BACKING AS REQUIRED FOR HARDWARE AND OTHER EQUIPMENT AS INDICATED ON PLANS.
- ALL BOLTS SHALL BE RE-TIGHTENED PRIOR TO THE APPLICATION OF SHEATHING, PLASTER, ETC.
- LAGS SCREWS SHALL BE SCREWED IN, NOT DRIVEN. LEAD HOLE FOR THREADED PORTION SHALL BE 75% OF THE SHANK DIAMETER.
- PREDRILL HOLES WHERE WOOD TENDS TO SPLIT.
- FIRE BLOCKS MUST BE CONSTRUCTED IN ACCORDANCE WITH 2025 C.B.C. SECTION 718.2.1 AND PROVIDED WHERE INDICATED BY SECTION 718.2.
- DRAFT STOPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH 2025 C.B.C. SECTION 718.3.1 AND PROVIDED WHERE INDICATED BY SECTION 718.3.
- PLACE 2X SOLID BLOCKING BETWEEN JOISTS OR RAFTERS OVER ALL SUPPORTS. BLOCKING SHALL BE FULL DEPTH OF JOISTS. FASTEN TO WALL PER 2025 C.B.C. TABLE 2304.10.2, U.N.O.
- ALL JOISTS AND BEAMS WHICH DO NOT BEAR DIRECTLY ON A SUPPORT SHALL BE PROVIDED WITH "SIMPSON" OR "USP" U" HANGERS OF MATCHING SIZE OR EQUIVALENT, UNLESS HEAVIER CONNECTIONS ARE SHOWN.
- FULL LENGTH, SOLID-SAWN LUMBER SHALL BE USED THROUGHOUT UNLESS OTHERWISE DETAILED ON THE PLANS. END-JOINTED ("FINGER-JOINTED") LUMBER SHALL NOT BE USED UNLESS APPROVED BY THE ENGINEER.

NAILING SCHEDULE:

NAILING SHOWN BELOW IS MINIMUM PERMISSIBLE PER 2025 C.B.C. TABLE 2304.10.2. DETAILS SHALL GOVERN WHEN THEIR NAILING IS MORE STRINGENT. ALL NAILS SHALL BE COMMON WIRE NAILS AND THEY SHALL BE DRIVEN PERPENDICULAR TO THE GRAIN.

- | | |
|--|---------------------------------|
| 1. JOIST TO SILL OR GIRDER, TOENAIL | 3-8d |
| 2. BRIDGING TO JOIST, TOENAIL EACH END | 2-8d |
| 3. 1" X 6" SUBFLOOR OR LESS TO EACH JOIST, F.N | 2-8d |
| 4. WIDER THAN 1" X 6" SUBFLOOR TO EACH JOIST, F.N | 3-8d |
| 5. 2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND F.N | 2-16d |
| 6. SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL | 16d AT 16" O.C. |
| 7. TOP PLATE TO STUD, END NAIL | 2-16d |
| 8. STUD TO SOLE PLATE | 4-8d TOENAIL OR 2-16d END NAIL |
| 9. DOUBLE STUDS, FACE NAIL | 16d AT 24" O.C. |
| 10. DOUBLED TOP PLATES, FACE NAIL | 16d AT 16" O.C. |
| 11. DOUBLED TOP PLATES, LAP SPICE | 8-16d |
| 12. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PL | 3-8d TOE NAIL |
| 13. TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL | 2-16d |
| 14. CONTINUOUS HEADER, TWO PIECES | 16d AT 16" O.C. ALONG EACH EDGE |
| 15. CEILING JOISTS TO PLATE, TOENAIL | 3-8d |
| 16. CONTINUOUS HEADER TO STUD, TOENAIL | 4-8d |
| 17. CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL | 3-16d |
| 18. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL | 3-16d |
| 19. JOISTS OR RAFTERS AT ALL BEARINGS, T.N. EA. SIDE | 2-10d |
| 20. 1" BRACE TO EACH STUD AND PLATE, FACE NAIL | 2-8d |
| 21. 1" X 8" SHEATHING OR LESS TO EACH BEARING, F.N | 2-8d |
| 22. WIDER THAN 1" X 8" SHEATHING TO EACH BEARING | 3-8d (FACE NAIL) |
| 23. BUILT-UP CORNER STUDS | 16d AT 24" O.C. |

CONCRETE NOTES

- THE QUALITY, DESIGN AND PLACEMENT OF CONCRETE SHALL BE IN ACCORDANCE WITH THE 2025 EDITION OF THE CALIFORNIA BUILDING CODE (C.B.C.), EXCEPT ITEMS NOT SPECIFICALLY COVERED THEREIN SHALL ALSO CONFORM TO ACI 318, LATEST EDITION, MAXIMUM SLUMP SHALL BE 5 INCHES.
- UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH IN 28 DAYS AS FOLLOWS:

FOOTINGS, STEMWALLS & PIERS	3000 PSI
SLABS ON GRADE	3000 PSI
- MATERIALS USED IN THE CONCRETE MIX SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:

AGGREGATE (NORMAL-WEIGHT CONCRETE, 1-1/2" MAX)	ASTM C-33
PORTLAND CEMENT (TYPE II, U.N.O.)	ASTM C-150
ADMIXTURES	NOT ALLOWED W/O APPROVAL
WATER	POTABLE
- READY-MIXED CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM C-94 OR C-685.
- ALL EXPOSED INTERIOR CONCRETE FLOORS ARE TO RECEIVE A STEEL TROWELED FINISH.
- UNLESS NOTED OTHERWISE, ALL EXPOSED EXTERIOR CONCRETE SLABS ARE TO RECEIVE A MEDIUM BROOM FINISH.
- FORMS FOR PERMANENTLY EXPOSED SURFACES SHALL PRODUCE A SMOOTH, EVEN, LEVEL FINISH WITHOUT FINIS. DESIGN OF FORM WORK SHALL TAKE INTO CONSIDERATION THE REQUIREMENTS OF ACI 318-19 SECTION 28.11.2.
- UNLESS NOTED OTHERWISE, ALL EXPOSED EDGES OF CONCRETE SURFACES SHALL RECEIVE A 3/4" MINIMUM CHAMFER OR A 1/2" MINIMUM TOOLED RADIUS & THE TOP OF ALL EXPOSED FOOTINGS, PIERS AND COLUMNS SHALL RECEIVE A SMOOTH TROWELED FINISH.
- ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED BY SUITABLE MEANS DURING PLACEMENT AND SHALL BE THOROUGHLY WORKED AROUND REINFORCEMENT, ANCHOR BOLTS, OTHER EMBEDDED ITEMS AND INTO THE CORNERS OF FORMS. ANY "HONEYCOMB" CONCRETE AND/OR ROCK POCKETS SHALL BE REMOVED AND REPLACED WITH SOUND CONCRETE.
- ALL CONCRETE FLATWORK SHALL BE WET CURED BY MIST CURING, BY MOISTURE-RETAINING CURING, OR BY COMBINATIONS THEREOF IN ACCORDANCE WITH ACI 301 PROCEDURES. KEEP CONTINUOUSLY MOIST FOR NOT LESS THAN 7 DAYS AFTER THE FINISHING OPERATION IS COMPLETE.
- ALTERNATELY, A CURING COMPOUND MEETING ASTM C-309 TYPE 1, CLASS B AND AASHTO M48, TYPE 1 SPECIFICATIONS AND STATE OF CALIFORNIA AIR REGULATION BOARD SOLVENT EMISSIONS STANDARDS MAY BE USED SUCH AS EUCLOID SUPER DIAMOND CLEAR VOX.
- REINFORCING STEEL SHALL BE BILLET STEEL CONFORMING TO ASTM A615/A615M-96A AS FOLLOWS, UNLESS NOTED OTHERWISE:

#4 (13 MM) AND SMALLER	GRADE 40 (GRADE 300)
#5 (16 MM) AND LARGER	GRADE 60 (GRADE 420)
- FABRICATING DETAILS SHALL CONFORM TO ACI 315, "ACI DETAILING MANUAL" AND CRSI "MANUAL OF STANDARD PRACTICE".
- SPLICE LENGTHS OF REINFORCING BARS SHALL COMPLY WITH THE REQUIREMENTS OF ACI 318. REFER TO DETAILS ON THESE PLANS.
- ALL WELDING OF REINFORCING STEEL SHALL BE WITH LOW HYDROGEN ELECTRODES UNLESS OTHERWISE NOTED. WELDING OF REINFORCING ALLOWED ONLY WHERE DETAILED ON THE DRAWINGS AND SHALL BE IN ACCORDANCE WITH SPECIFICATIONS PER ACI 318-19 SECTION 26.6.4.1 AND 25.5.7.2.
- ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS AND OTHER INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- ALL VERTICAL REINFORCING BARS AT WALLS, STEMWALLS, PEDESTALS, ETC. SHALL HAVE A STANDARD ACI 90° OR 180° "HOOK INTO THE FOUNDATION BELOW WITH EMBEDMENT REQUIRED BY THE BUILDING CODE. ALSO SEE DETAILS, THESE PLANS.
- UNLESS OTHERWISE NOTED, ALL REINFORCING SHALL HAVE A MINIMUM CONCRETE COVER AS FOLLOWS:

SURFACES POURED AGAINST EARTH	3 INCHES
FORMED SURFACES EXPOSED TO GROUND OR WEATHER	1 1/2" INCHES
#6 AND SMALLER	2 INCHES
#6 AND LARGER	2 INCHES
FORMED CONCRETE NOT EXPOSED TO GROUND OR WEATHER	3/4" INCH
BEAMS, JOISTS & GIRDER	1 1/2" INCHES
COLUMNS	1 1/2" INCHES
- WHERE GROUT IS SPECIFIED ON THE DRAWINGS USE A HIGH STRENGTH, NON SHRINK, NON-METALLIC GROUT. USE MASTERBUILDERS "MASTERFLOW 713 GROUT" OR APPROVED SUBSTITUTE.
- REFER TO BOTH ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATION AND SPACING OF ALL PLUMBING FIXTURES.
- NO PIPES OR DUCTS SHALL BE PLACED IN CONCRETE WALLS OR SLAB UNLESS SPECIFICALLY DETAILED.

POST-INSTALLED ANCHOR NOTES

- THE TESTING OF POST-INSTALLED ANCHORS SHALL BE DONE IN THE PRESENCE OF THE SPECIAL INSPECTOR AND A REPORT OF THE TEST SHALL BE SUBMITTED TO THE ENFORCEMENT AGENCY. TEST ANCHORS, AS FOLLOWS:
 - 10% OF SILL PLATE BOLTS
 - 50% OF EQUIPMENT ANCHORAGE BOLTS
 - 100% OF ALL OTHER STRUCTURAL ANCHORS
- IF ANY ANCHOR FAILS, TEST ALL ANCHORS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS THE TEST REQUIREMENTS. THE INITIAL TEST FREQUENCY SHALL THEN BE RESUMED.
- TEST PROCEDURE SHALL BE AS PERMITTED BY AN APPROVED TEST REPORT USING CRITERIA ADOPTED IN THE CALIFORNIA BUILDING CODE (CBC).
- FIELD TEST FOR TORQUE CONTROLLED POST-INSTALLED ANCHORS SHALL UTILIZE THE TORQUE WRENCH METHOD WHERE A CALIBRATED TORQUE WRENCH SHALL ATTAIN THE SPECIFIED TORQUE WITHIN 1/2 TURN OF THE NUT, OR 1/4 TURN OF THE NUT FOR A 3/8" SLEEVE ANCHOR ONLY. TORQUE-BASED INSTALLATION VALUES SHALL BE BASED ON APPROVED ICC REPORT AND AS IDENTIFIED ON DETAILS.
- FIELD TEST FOR POST-INSTALLED ADHESIVE ANCHORS SHALL UTILIZE THE HYDRAULIC RAM METHOD WHERE ANCHORS TEST WITH A HYDRAULIC JACK OR SPRING LOADED DEVICES SHALL MAINTAIN THE TEST LOAD FOR A MINIMUM OF 15 SECONDS AND SHALL EXHIBIT NO DESCRIABLE MOVEMENT DURING THE TENSION TEST. E.G., AS EVIDENCED BY LOOSENING OF THE WASHER UNDER THE NUT. TENSION TEST LOAD SHALL BE AS INDICATED ON THE DETAILS.

GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS BEFORE STARTING WORK. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.
- NOTES AND DETAILS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
- THE DETAILS ON THESE DRAWINGS SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY SHOWN OTHERWISE. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED, DETAILS OF A CHARACTER SIMILAR TO THOSE SHOWN SHALL BE USED, SUBJECT TO REVIEW.
- FOR OPENINGS NOT SHOWN AND/OR DETAILED ON THE STRUCTURAL DRAWINGS AND WHICH PENETRATE STRUCTURAL ELEMENTS, OBTAIN APPROVAL FROM THE ENGINEER BEFORE PROCEEDING WITH WORK.
- IT IS THE INTENTION OF THESE DRAWINGS TO PROVIDE FOR THE FOLLOWING CONTINUITIES:
 - ALL ROOF AND FLOOR STRUTS SHALL BE CONTINUOUSLY CONNECTED FOR THE LENGTH OF THE ROOF OR FLOOR SYSTEM.
 - ALL WALL BRACING AND/OR SHEAR PANELS SHALL BE CONNECTED TO THE ROOF AND/OR FLOOR STRUTS. IF DETAILS REQUIRED TO EFFECT THESE CONTINUITIES ARE NOT EVIDENT ON THE DRAWINGS THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR CLARIFICATION.
- ALL EXTERIOR GLAZING AND FRAMES SHALL BE DESIGNED TO RESIST WIND LOADS FOR 95 MPH ULTIMATE DESIGN WIND SPEED (3-SEC GUST), EXPOSURE C, 2025 CALIFORNIA BUILDING CODE.
- FRAME OPENINGS AND SUPPORT MISCELLANEOUS EQUIPMENT AS DETAILED ON THE DRAWINGS. WHERE NO DETAILS ARE PROVIDED, OBTAIN APPROVAL FROM THE ENGINEER BEFORE PROCEEDING WITH WORK.
- LATERALLY BRACE ALL SUSPENDED EQUIPMENT AND CEILINGS IN CONFORMANCE WITH THE 2025 CALIFORNIA BUILDING CODE.
- IT IS THE INTENTION OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, TIES, FRAMEWORK, ETC. AS REQUIRED TO COMPLETE THE INSTALLATION IN ACCORDANCE WITH THESE DRAWINGS AND PROJECT SPECIFICATIONS.
- THE CONTRACTOR SHALL USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
- 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 THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO 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 DESIGN PROFESSIONAL.
- DESIGN DATA:

GOVERNING CODE	2025 CALIFORNIA BUILDING CODE (C.B.C.)
DESIGN LOADS:	
ROOF LIVE LOAD	20 PSF (REDUCIBLE)
SNOW LOAD (MAIN ROOF)	p _s = 9 psf, p _e = 12 psf, C _e = 0.9, C _i = 1.2
SNOW LOAD (CANOPY)	p _s = 10 psf, C _e = 1.0, C _i = 1.2, C _s = 1.0
FLOOR LIVE LOAD	p _f = 10 psf, w = 4.8", W ₂ = 0.25
RISK CATEGORY	II
WIND LOAD	95 MPH ULTIMATE (3-SEC GUST), EXP. C
INTERNAL PRESSURE COEFFICIENT, C _{pi}	= +/-0.18
SEISMIC LOAD	DESIGN CATEGORY D, R=6.5, I _e = 1.0, SITE CLASS D
	S _s = 0.64, S _i = 0.21, S _{ds} = 0.47, S _{di} = 0.21, C _a =0.072
	F _o = 6.984 LBS
	EQUIVALENT LATERAL FORCE PROCEDURE
L.F.R.S.	WOOD WALLS WITH PLYWOOD SHEATHING

FOUNDATION NOTES

- ALL BUILDING PAD AREAS SHALL BE CLEARED OF VEGETATION, TOPSOIL, DEBRIS, UNDOCUMENTED FILL, AND OTHER DELETERIOUS MATERIALS. EXISTING FILL AND LOOSE OR UNSUITABLE SOILS SHALL BE REMOVED TO A MINIMUM DEPTH OF APPROXIMATELY 2 FEET BELOW EXISTING GRADE, OR AS REQUIRED TO EXPOSE COMPETENT MATERIAL.
- OVER-EXCAVATION SHALL EXTEND A MINIMUM OF 5 FEET BEYOND THE BUILDING FOOTPRINT. THE EXPOSED SUBGRADE SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 6 INCHES, MOISTURE-CONDITIONED TO NEAR OPTIMUM MOISTURE CONTENT, AND COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION IN ACCORDANCE WITH ASTM D1557. SOFT OR YIELDING AREAS IDENTIFIED DURING PROOF-ROLLING SHALL BE REMOVED AND RECOMPACTED.
- ENGINEERED FILL SHALL BE FREE OF ORGANICS, RUBBLE, AND OTHER UNSUITABLE MATERIALS, AND SHALL BE PLACED IN LIFTS NOT EXCEEDING 6 INCHES IN LOOSE THICKNESS AND COMPACTED TO A MINIMUM OF 90 PERCENT RELATIVE COMPACTION (ASTM D1557). EXISTING FILL MAY REMAIN ONLY IF APPROVED BY THE GEOTECHNICAL ENGINEER.
- SPREAD AND CONTINUOUS FOOTINGS SHALL BEAR ON PROPERLY PREPARED ENGINEERED FILL OR COMPETENT NATIVE MATERIAL. FOOTINGS SHALL BE EMBEDDED A MINIMUM OF 18 INCHES BELOW LOWEST ADJACENT GRADE, OR 12 INCHES INTO COMPETENT MATERIAL, WHICHEVER IS LESS, UNLESS NOTED OTHERWISE.
- ALL EARTHWORK, FILL PLACEMENT, AND COMPACTION SHALL BE PERFORMED UNDER OBSERVATION AND TESTING BY THE GEOTECHNICAL ENGINEER. COMPACTION SHALL MEET THE REQUIREMENTS OF ASTM D1557.
- REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- NOMINAL TOP OF FLOOR SLAB ELEVATION = DATUM +0'-0" UNLESS NOTED OTHERWISE.
- CONSTRUCTION OR CONTROL JOINTS (C.J.) ARE TO BE PROVIDED AT INTERIOR NON-BEARING PARTITIONS AND AT HIGH OR LOW POINTS OF FLOOR SLOPES TO BREAK FLOOR INTO WORKING AREAS NOT LARGER THAN 100 SQUARE FEET.
- PROVIDE A MINIMUM SEPARATION OF 8" BETWEEN UNTREATED WOOD AND EARTH OR 3" BETWEEN UNTREATED WOOD AND CONCRETE OR ASPHALTIC PAVING.
- SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND EXTENT OF EXTERIOR WALKWAYS.
- SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF NON-BEARING PARTITIONS.
- PASSIVE RESISTANCE MAY BE TAKEN AS AN EQUIVALENT FLUID PRESSURE OF 360 PCF, WHERE APPLICABLE.
- FOUNDATION DESIGN IS BASED ON GEOTECHNICAL INVESTIGATION BY KRAZAN AND ASSOCIATES, PROJECT NUMBER 052-26006, DATED 3-12-2026.

DEAD LOAD ONLY: 2,250 PSF
DEAD + LIVE LOAD: 3,000 PSF
TOTAL LOAD (INCLUDING WIND OR SEISMIC): 4,000 PSF

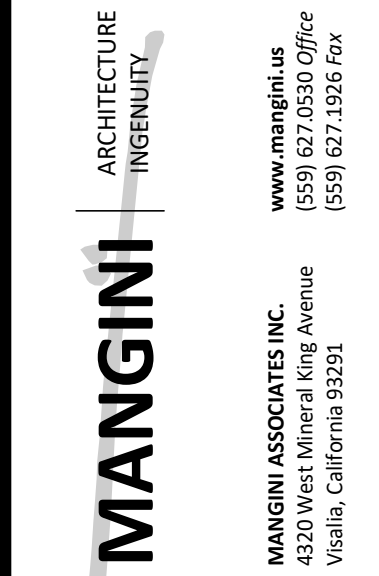
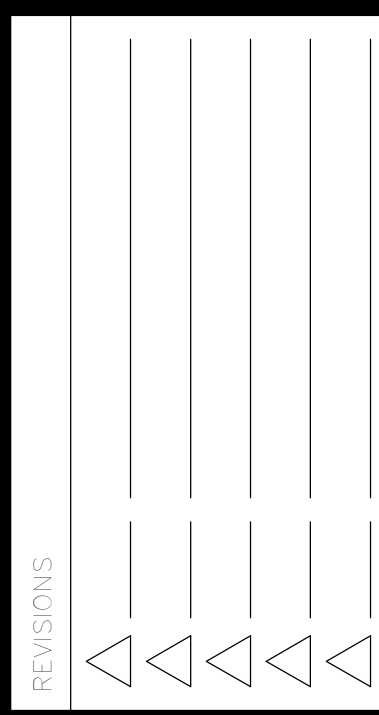


DATE: MARCH 31, 2026

NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL

41932 SIERRA DR., THREE RIVERS, CA 93271

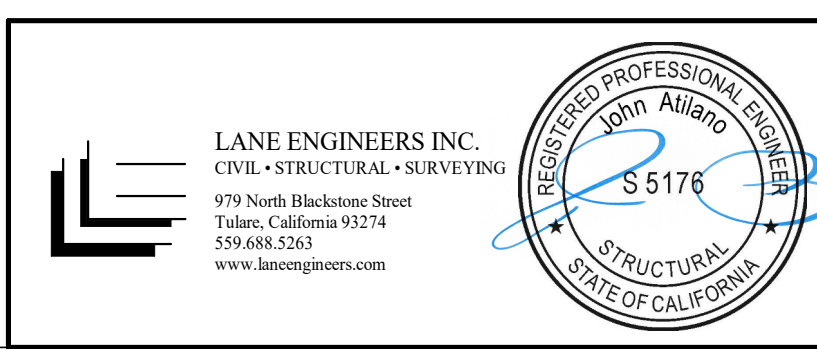
THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271



TITLE
STRUCTURAL
NOTES

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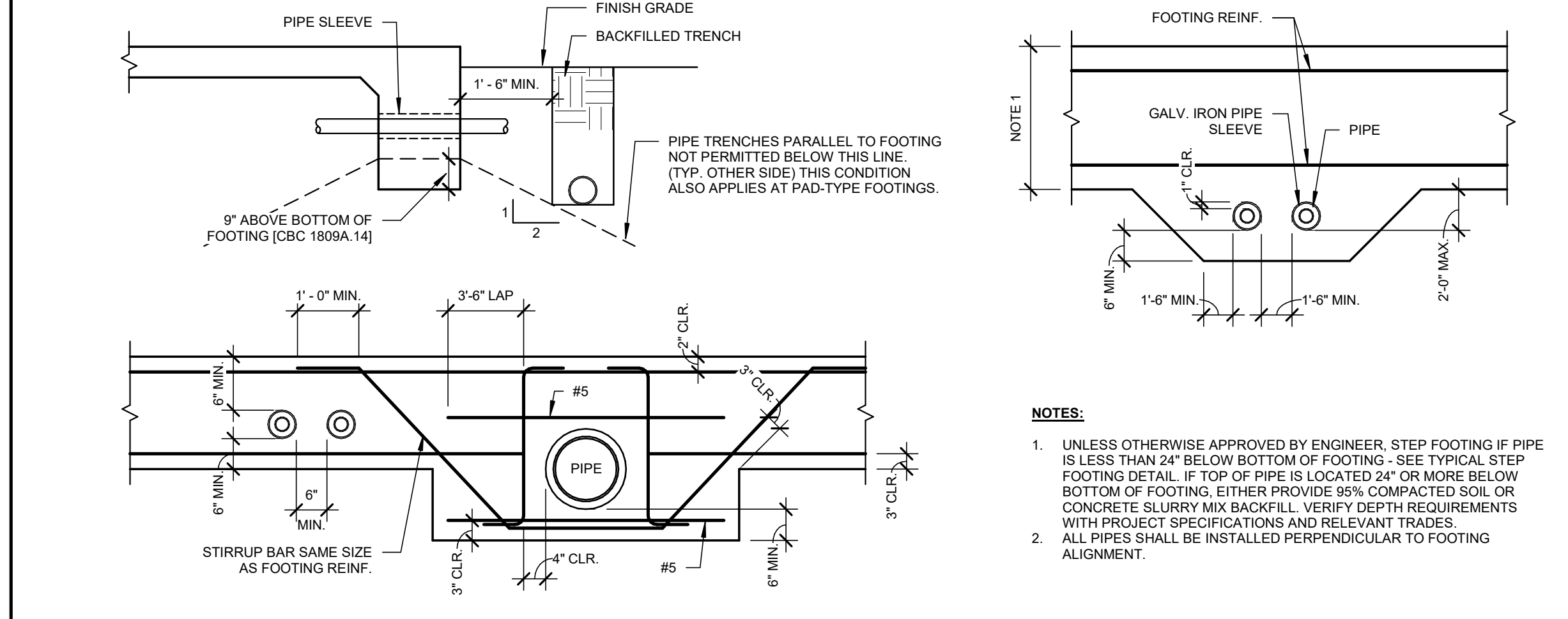
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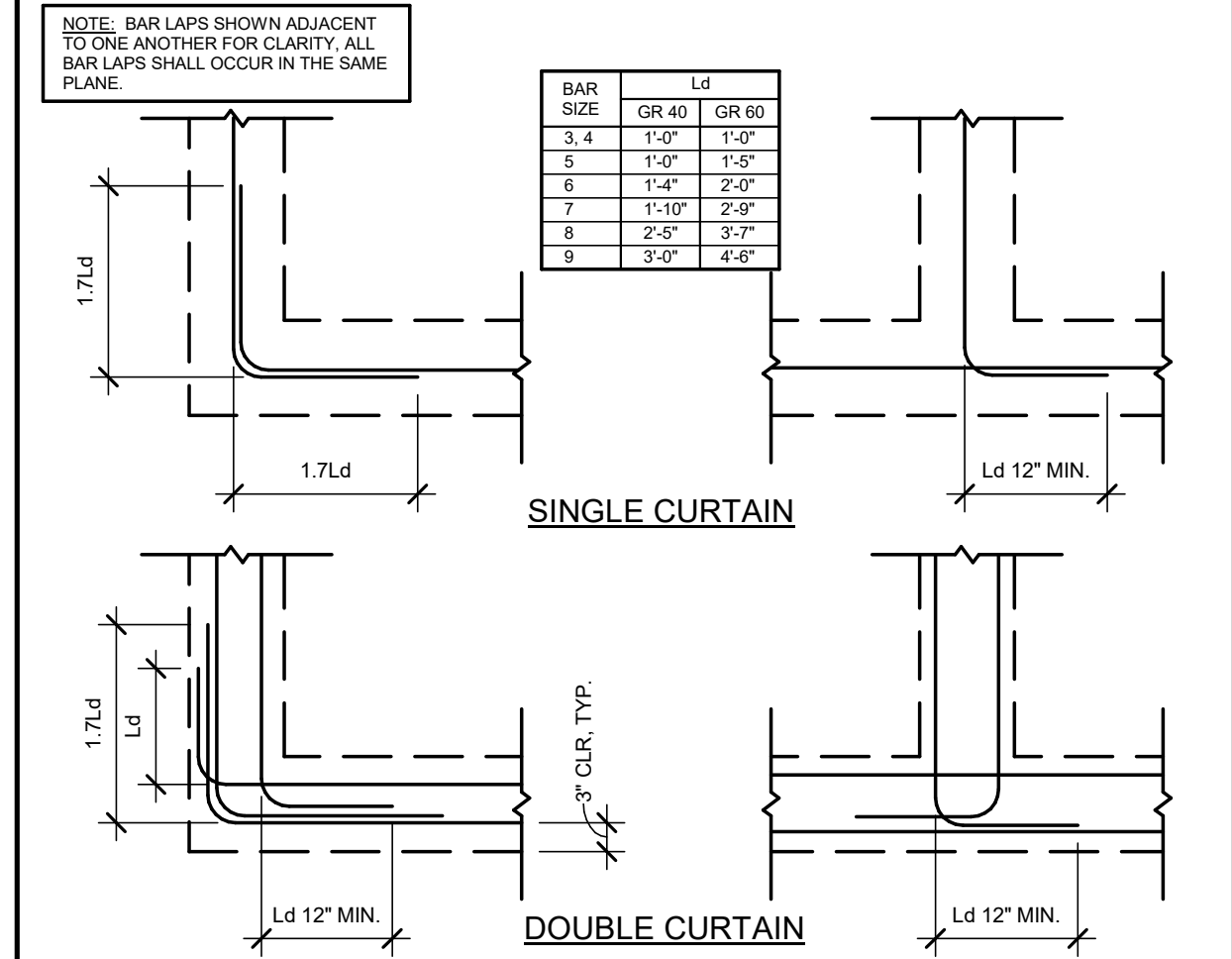
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ABBREVIATIONS

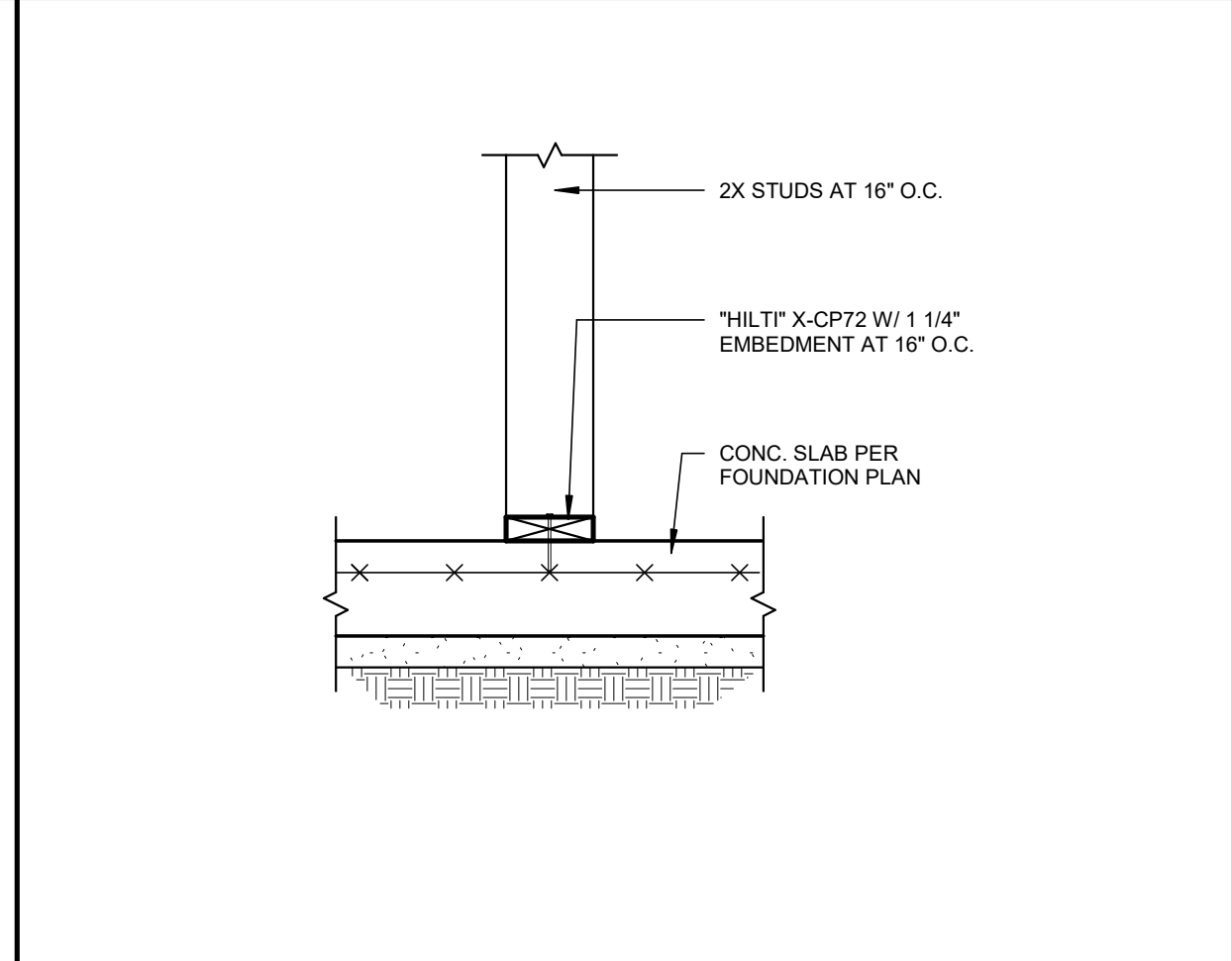
A.B.	- ANCHOR BOLT	ELEV.	- ELEVATION
ACQ/L	- ADDITIONAL	EMBED.	- EMBEDMENT
ARCH. DWGS.	- ARCHITECTURAL DRAWINGS	EQ.	- EQUAL
B.	- AT	EXIST.	- EXISTING
B.M.	- BEAM	EXT.	- EXTERIOR
B.N.	- BOUNDARY NAILING	FND.	- FOUNDATION
B.K.	- BLOCK	FIN.	- FINISH
BOTT.	- BOTTOM	F.L.	- FLOOR
C.C.J.	- CRACK CONTROL JOINT	F.O.B.	- FACE OF BLOCK
C.J.	- CONSTRUCTION JOINT	F.O.C.	- FACE OF CONCRETE
C.J.P.	- COMPLETE JOINT PENETRATION	F.O.M.	- FACE OF MASONRY
CL	- CENTERLINE	F.O.S.	- FACE OF STUDS
CLR.	- CLEAR	FTG.	- FOOTING
CONC.	- CONCRETE	GA.	- GAUGE
CONN.	- CONNECTION	GALV.	- GALVANIZED
CONSTR.	- CONSTRUCTION	GYP.	- GYP.
CONT.	- CONTINUOUS	HORIZ.	- HORIZONTAL
CTBK.	- COUNTER BUNK	HT.	- HEIGHT
DBL.	- DOUBLE	I.D.	- INSIDE DIAMETER
DIA.	- DIAMETER	INFO.	- INFORMATION
DIAG.	- DIAGONAL	LLH.	- LONG LEG, HORIZONTAL
DO.	- DITCH	LLV.	- LONG LEG, VERTICAL
DN.	- DOWN	MAX.	- MAXIMUM
DRYPRK.	- DRYPACK	M.B.	- MACHINE BOLT
DWG.	- DRAWING	MFR.	- MANUFACTURER
E.A.	- EDGE NAILING	MEDH.	- MECHANICAL



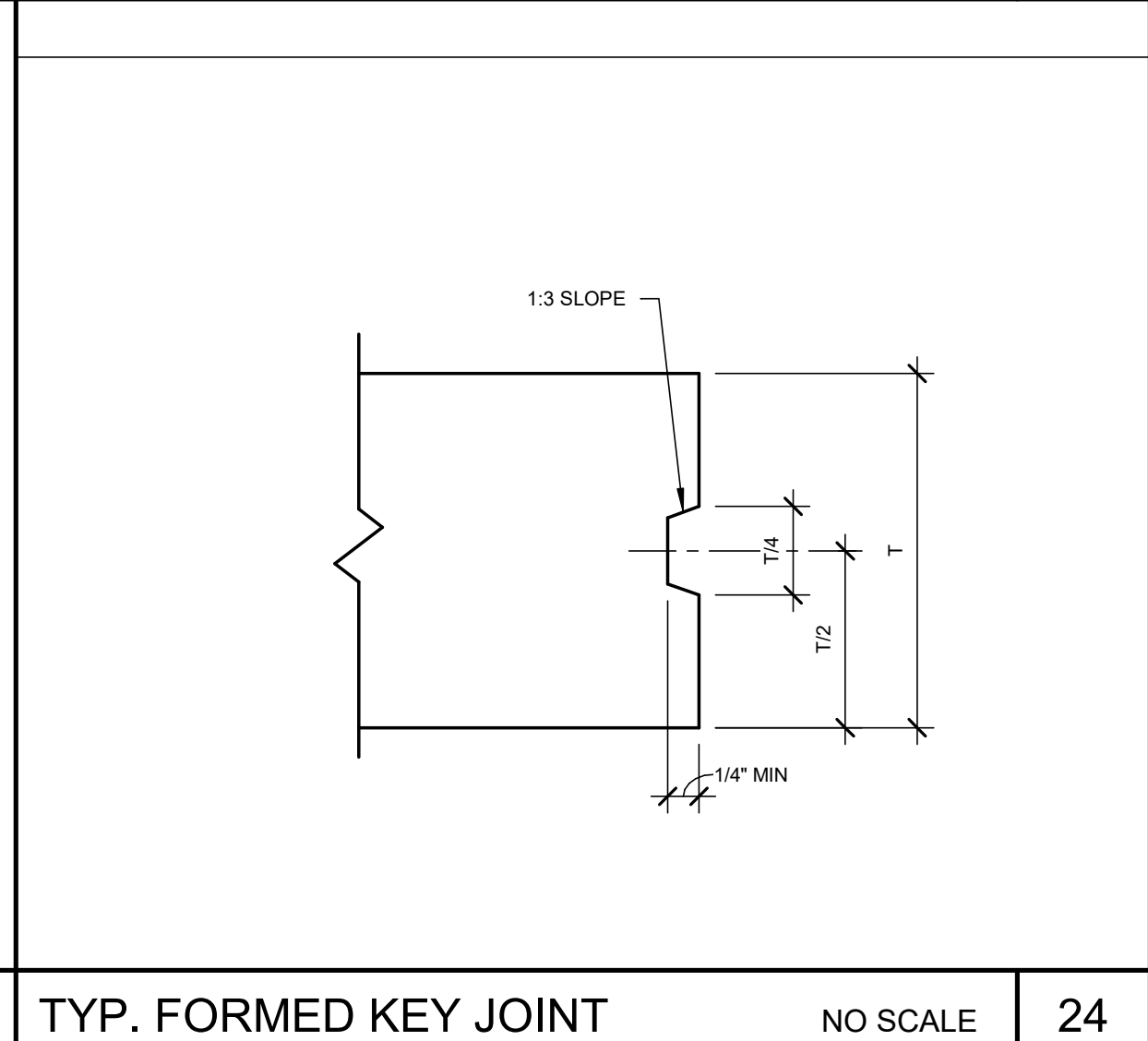
TYPICAL PIPE THROUGH FOOTING NO SCALE 11



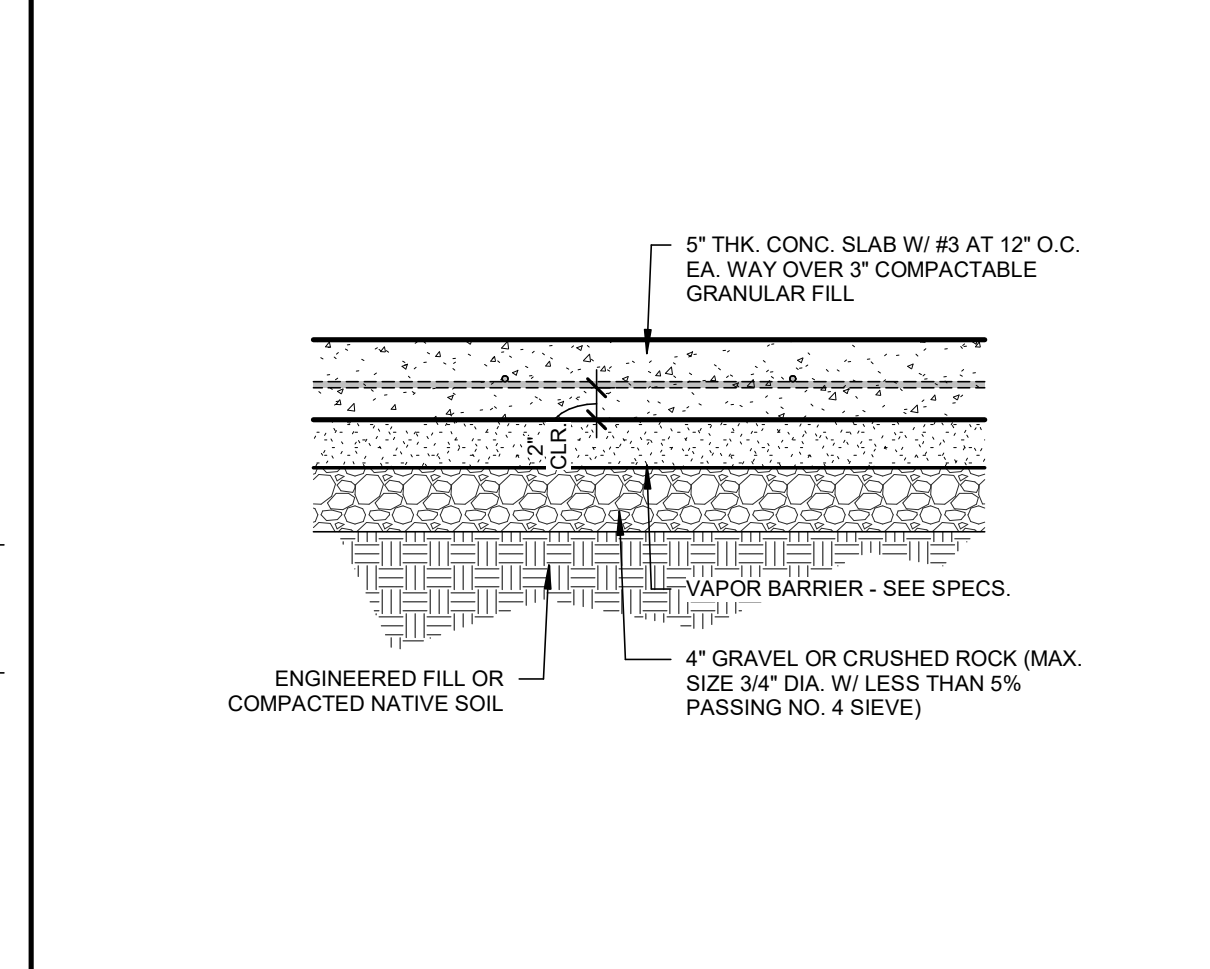
FOUNDATION CORNERS NO SCALE 22



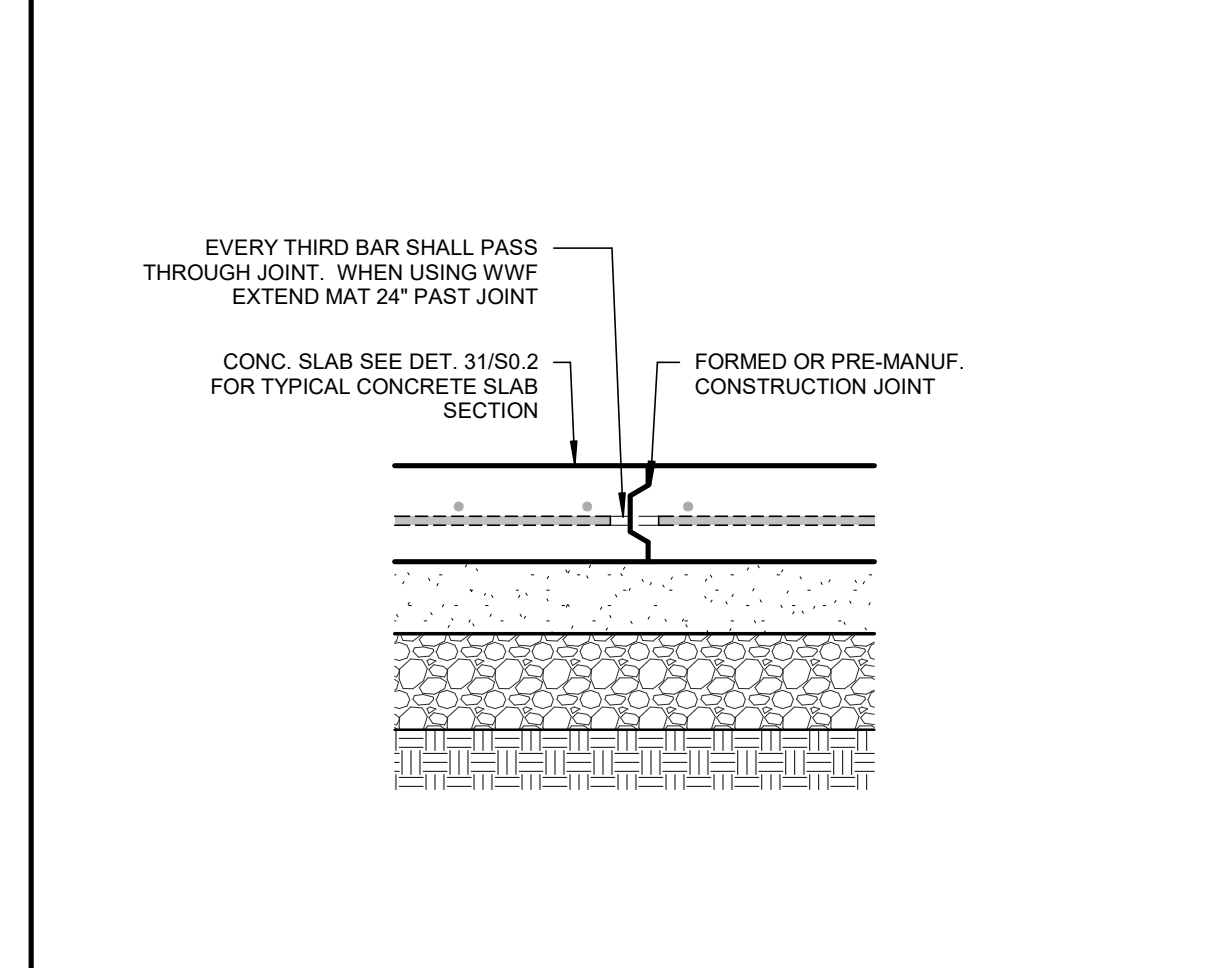
NON-BEARING/NON-SHEAR WALL NO SCALE 23



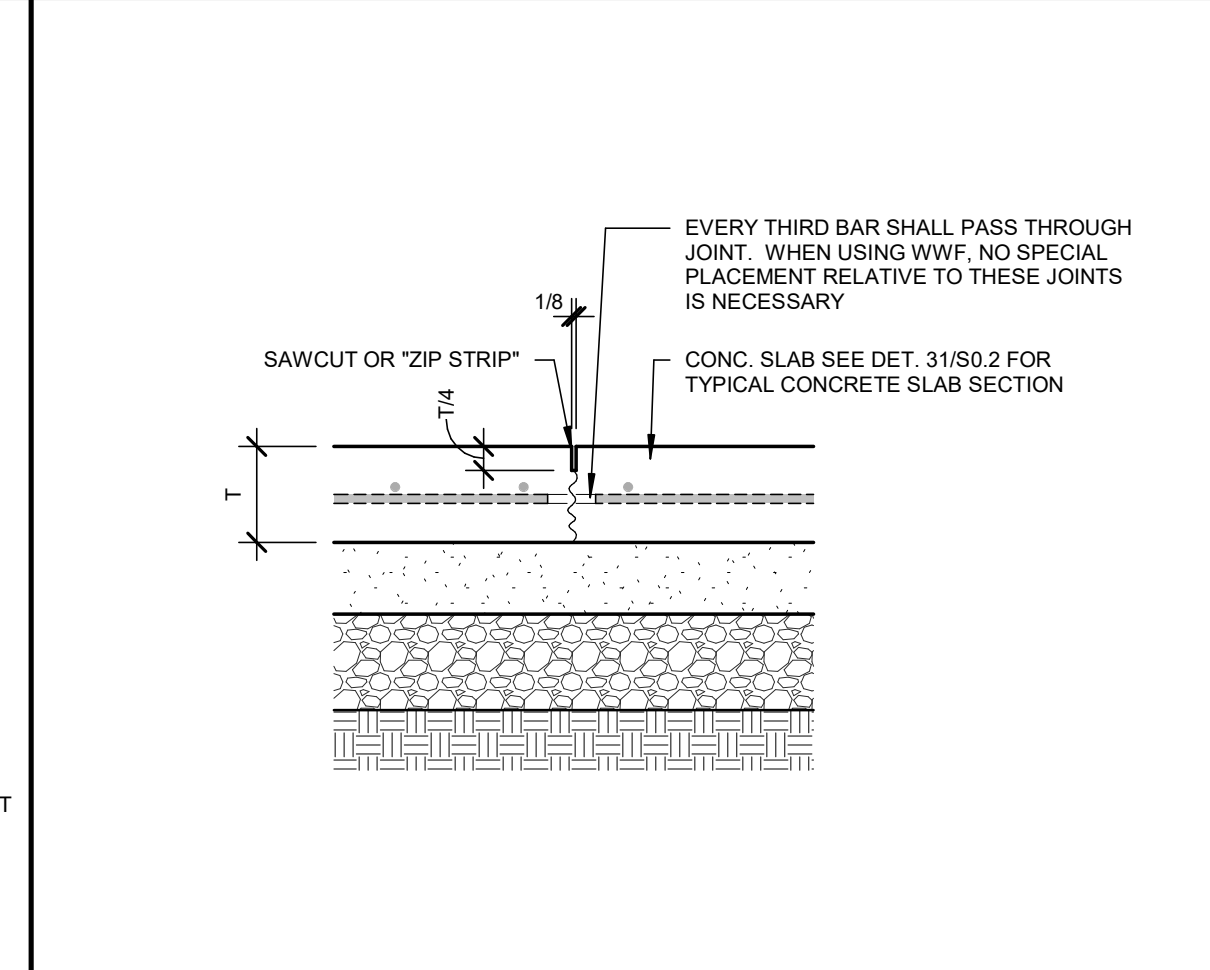
TYP. FORMED KEY JOINT NO SCALE 24



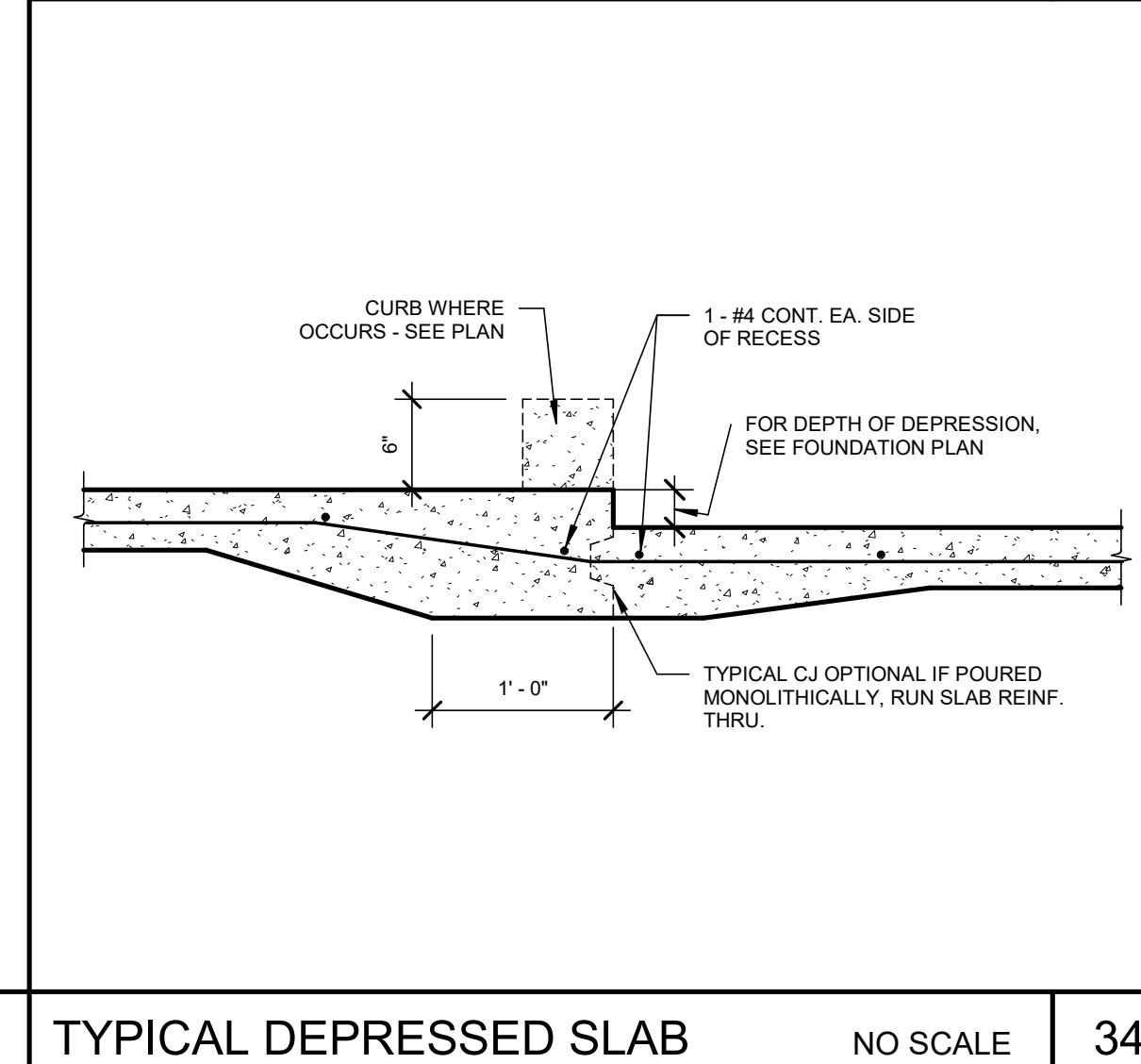
5 INCH CONC. SLAB SECTION NO SCALE 31



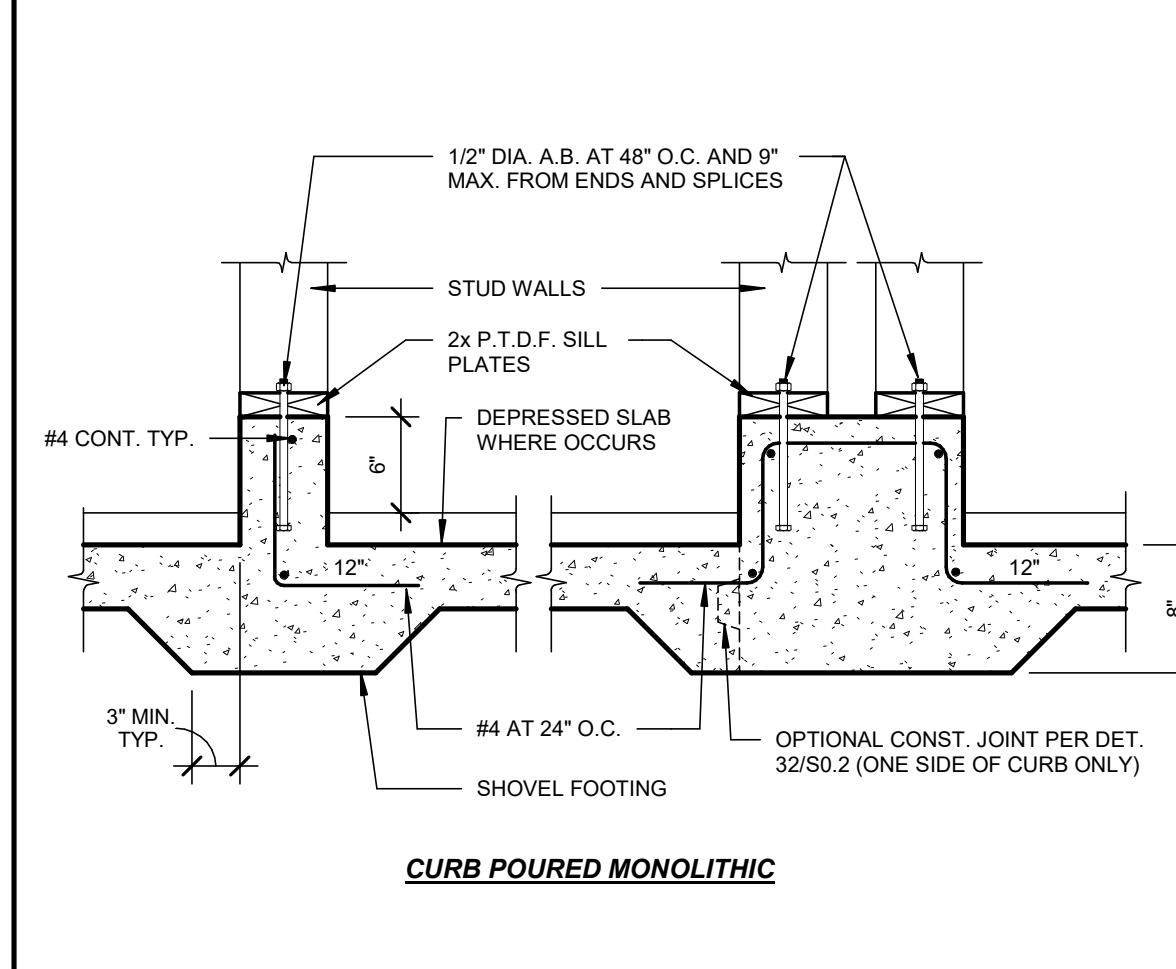
CONSTRUCTION JOINT NO SCALE 32



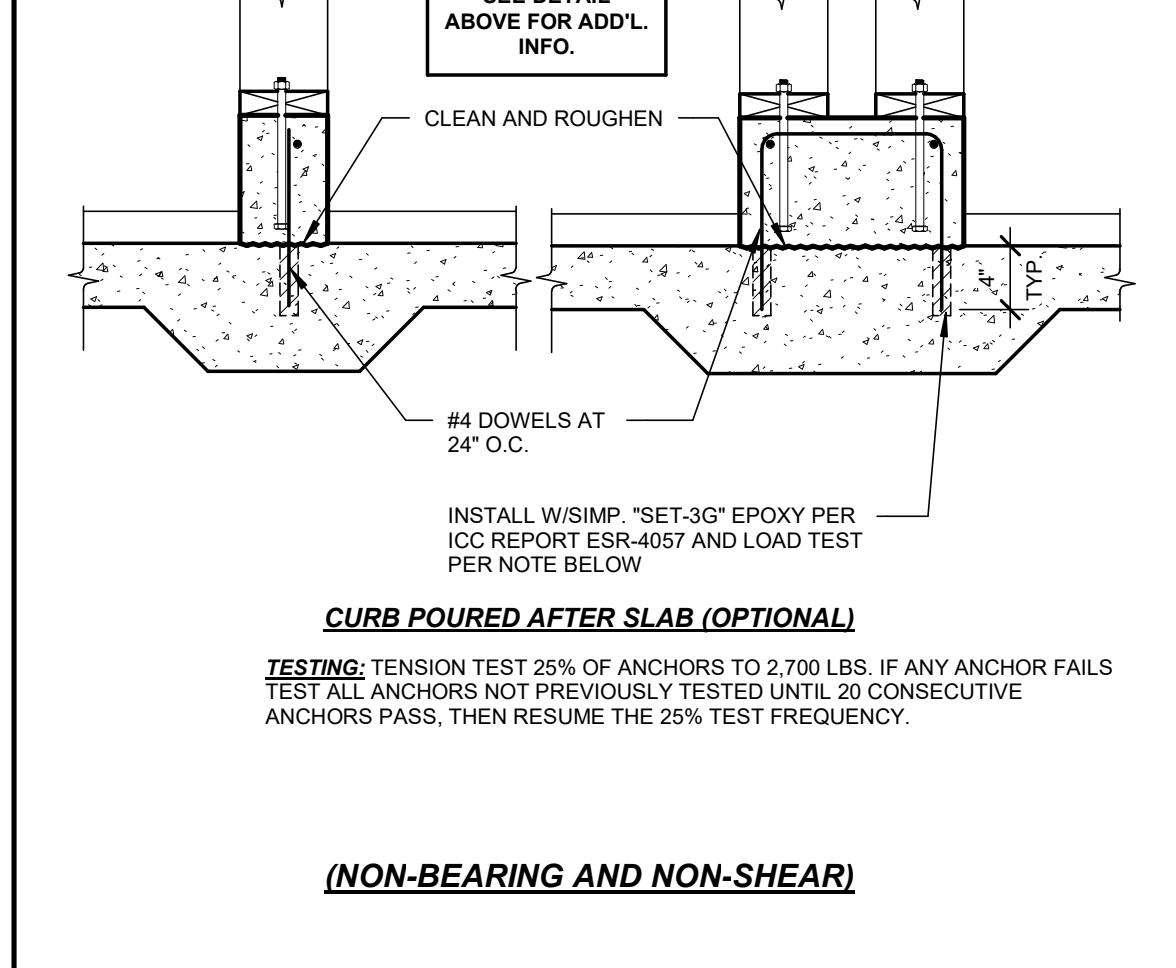
CONTROL JOINT NO SCALE 33



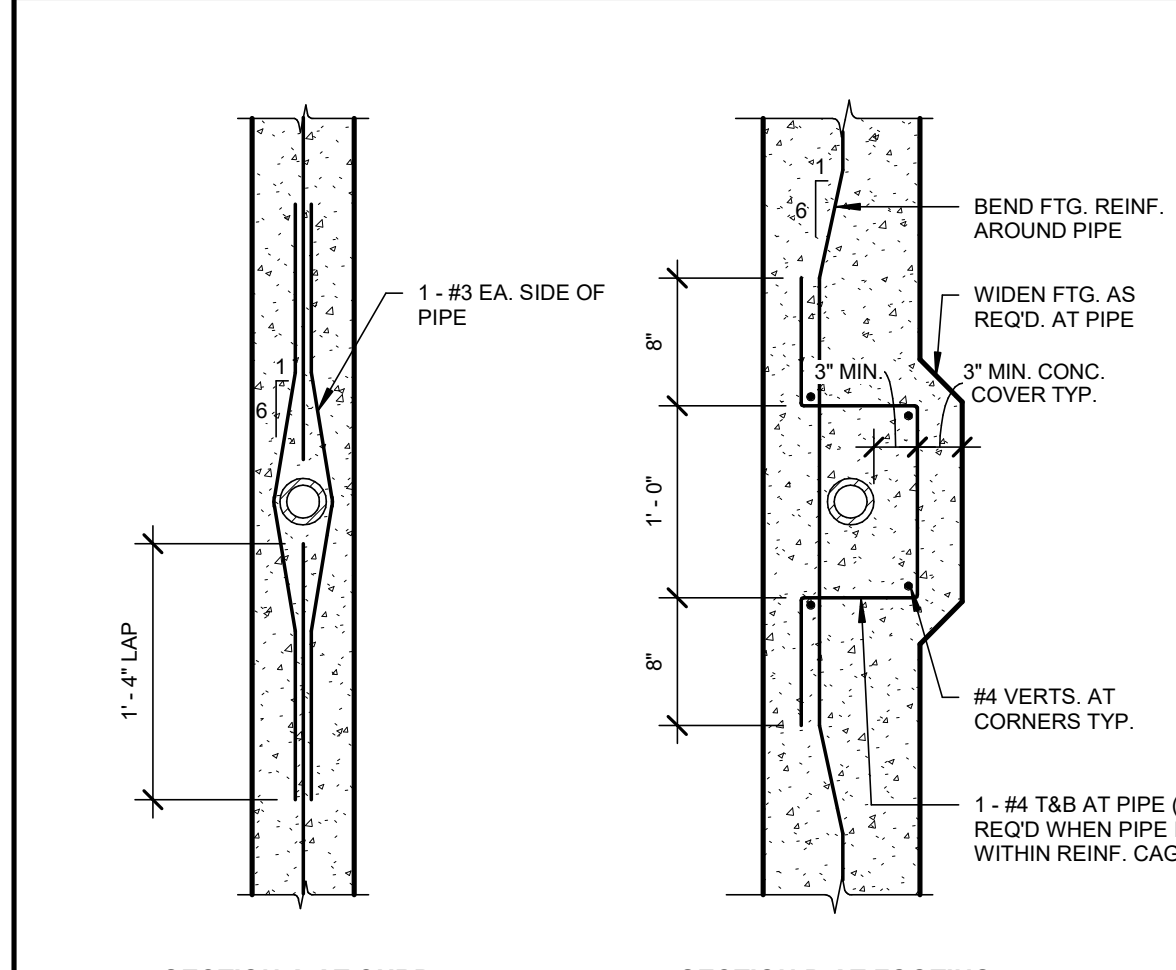
TYPICAL DEPRESSED SLAB NO SCALE 34



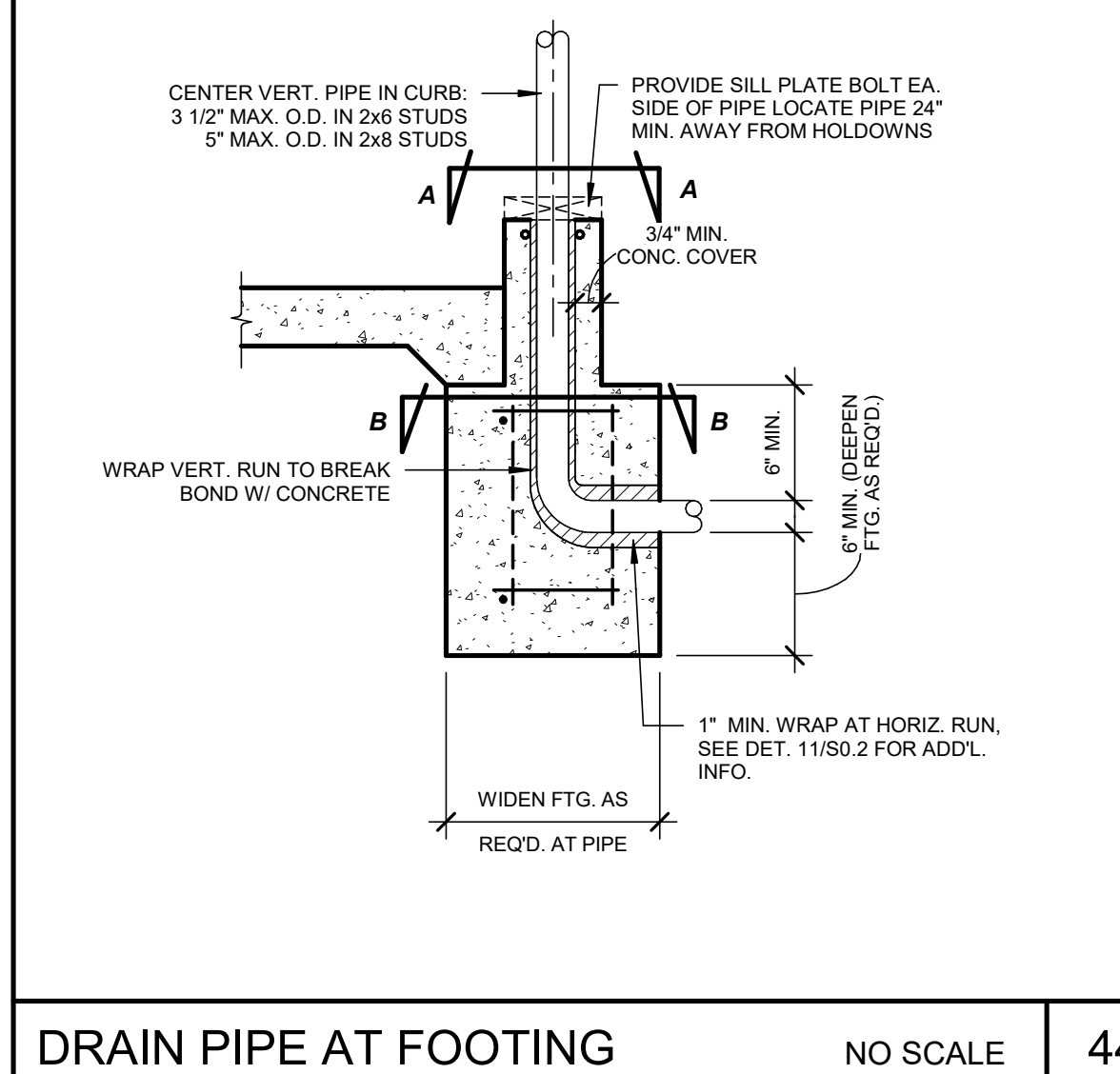
CURB POURED MONOLITHIC



CURBS AT INTERIOR WALLS NO SCALE 42



SECTION A AT CURB SECTION B AT FOOTING



DRAIN PIPE AT FOOTING NO SCALE 44



DATE: MARCH 31, 2026

**NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL**
41932 SIERRA DR., THREE RIVERS, CA 93271
THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

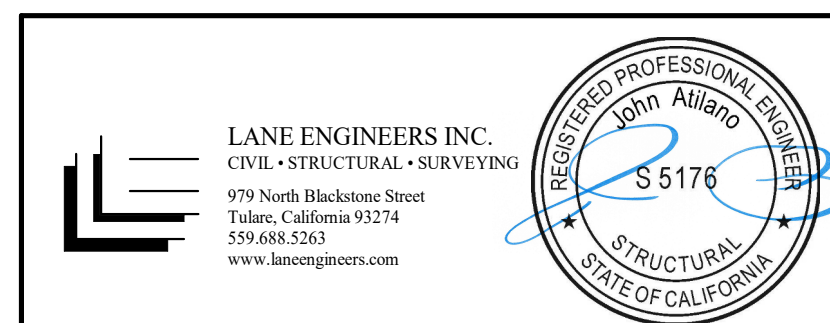
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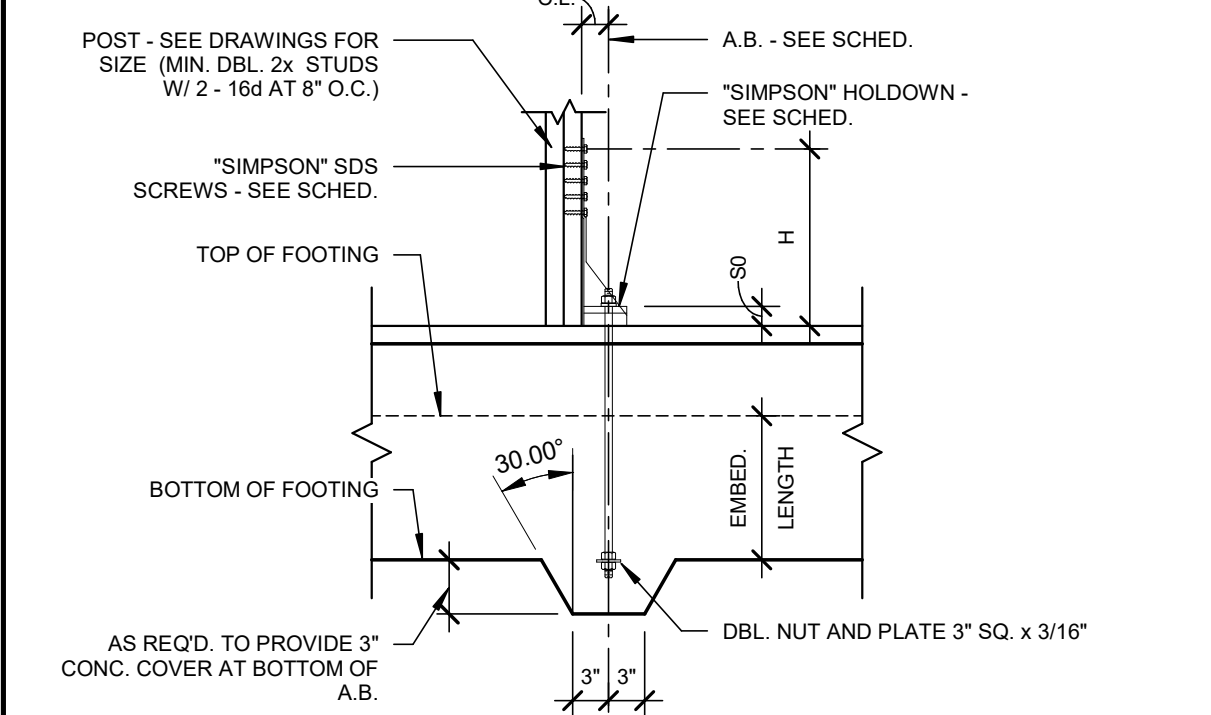
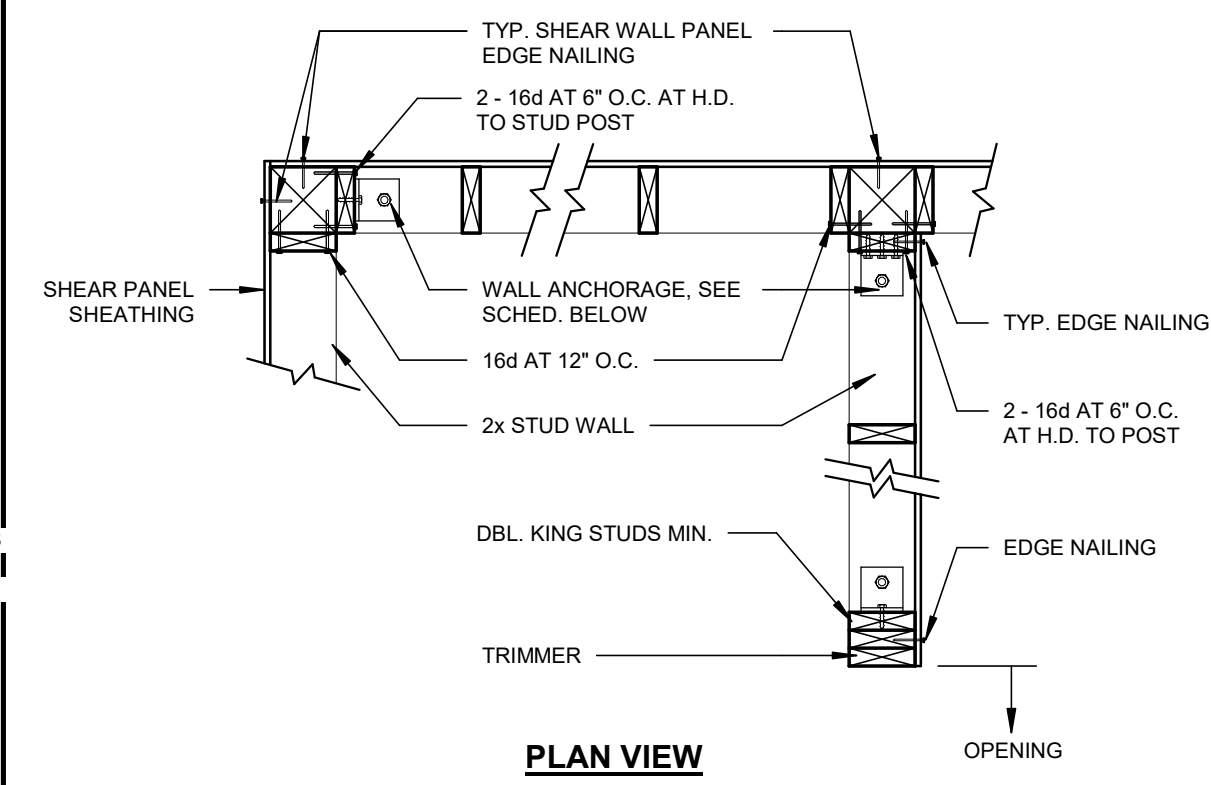
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DETAILS

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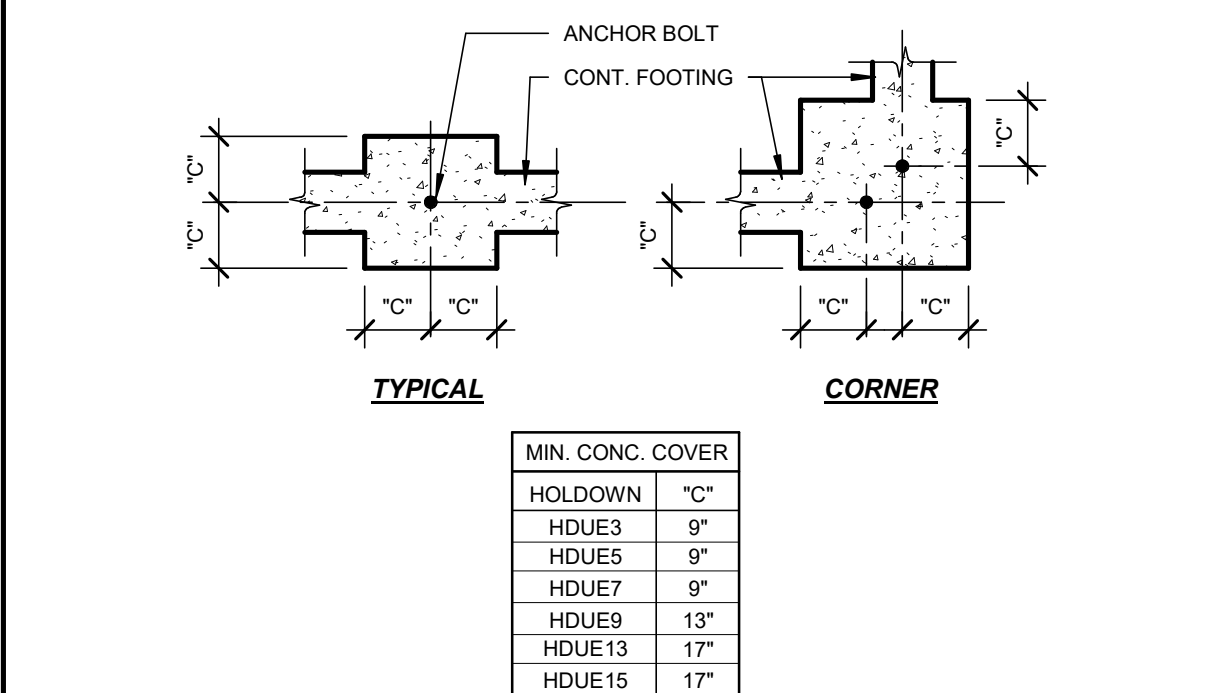
PROJECT **25057**



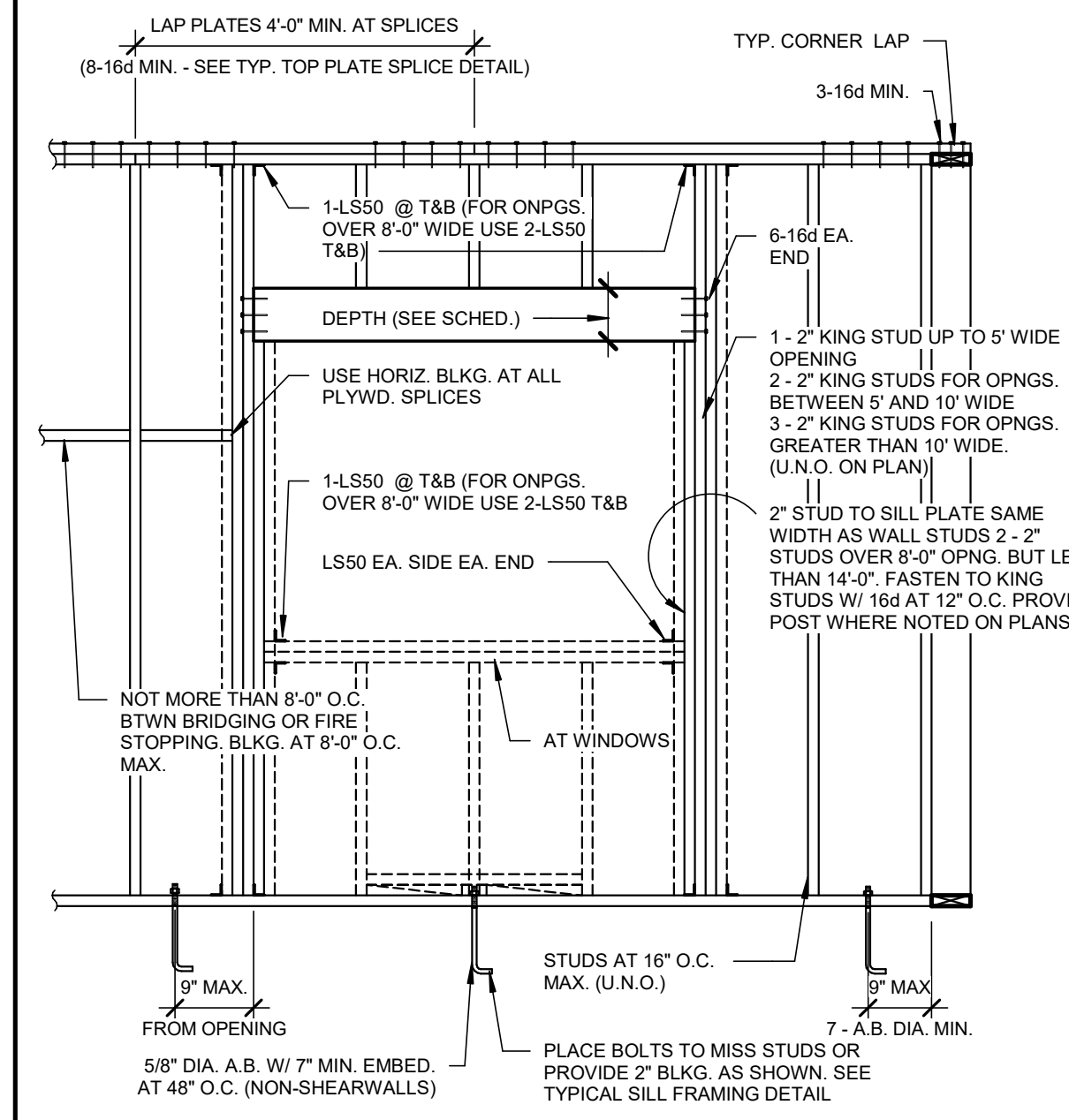
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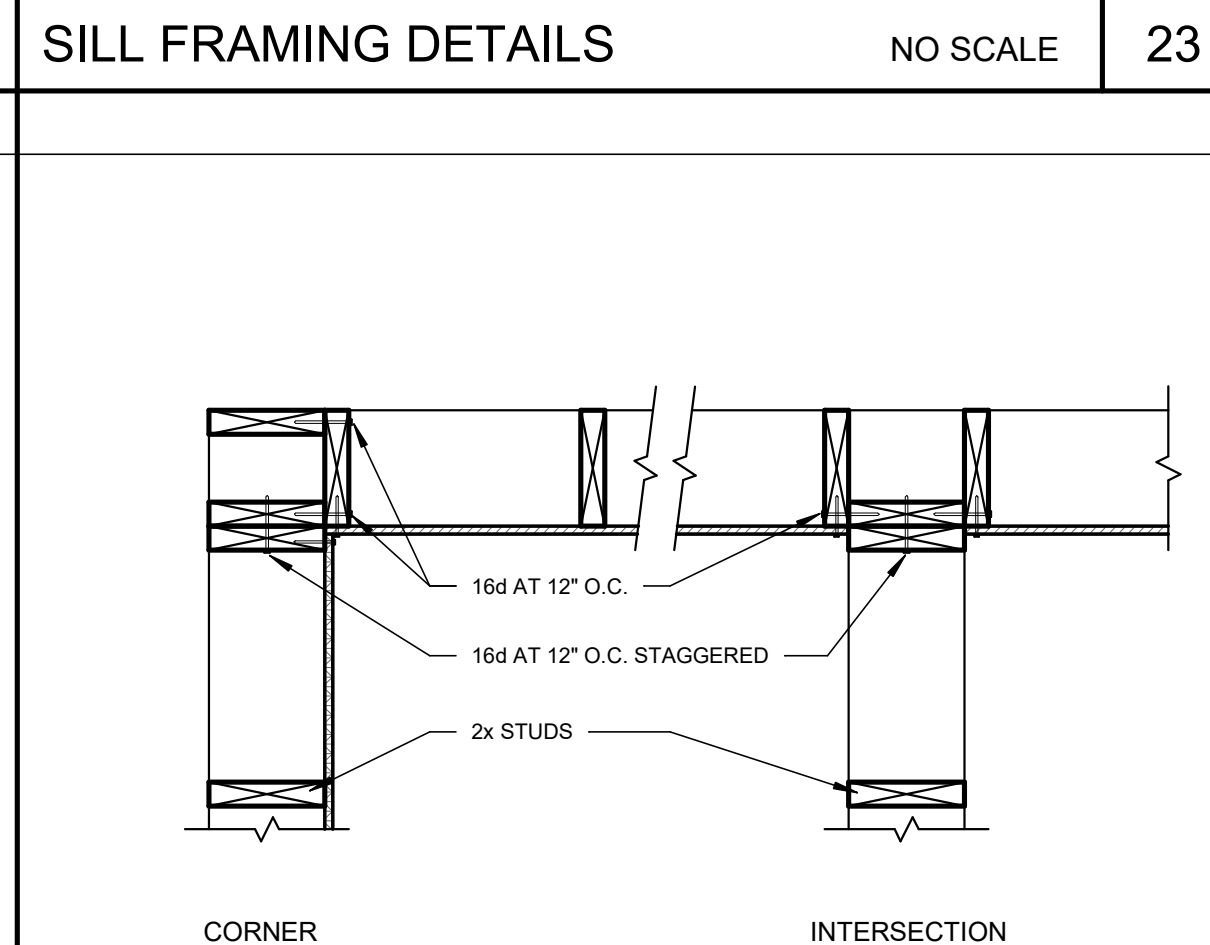
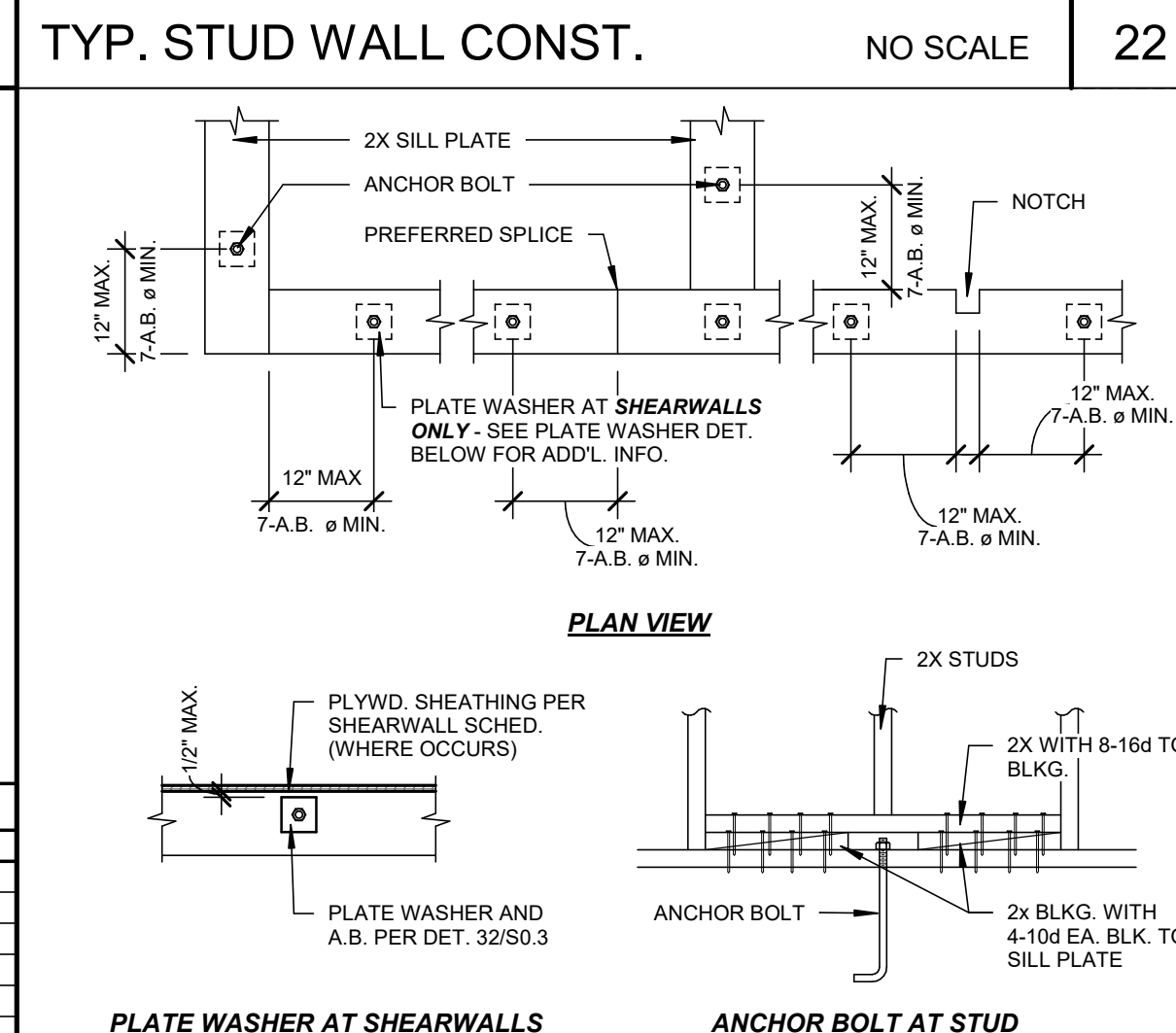
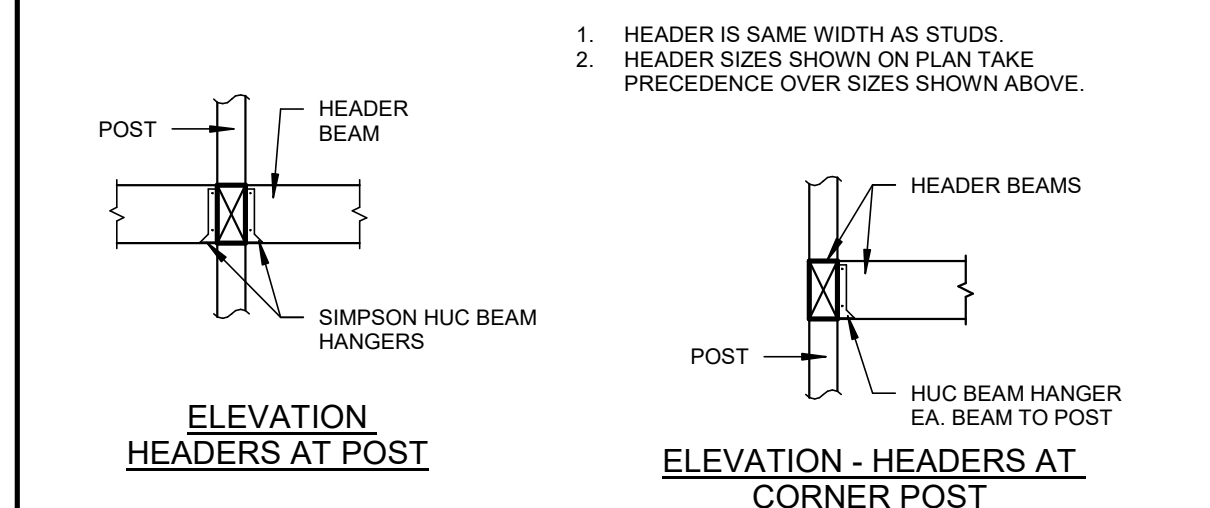
HOLDOWN SCHEDULE							
TYPE	A.B.	EMBED LENGTH	CL	H	SO	SIMP. SDS SCREWS	
HDUE3	5/8"	12"	3/8"	8 11/16"	1 1/2"	(7) 1/4 x 3 SDS	
HDUE5	5/8"	12"	3/8"	10 15/16"	1 1/2"	(10) 1/4 x 3 SDS	
HDUE7	5/8"	12"	3/8"	14 11/16"	1 1/2"	(13) 1/4 x 3 SDS	
HDUE9	7/8"	18"	1 7/16"	17 3/8"	1 1/2"	(16) 1/4 x 3 1/2 SDS	
HDUE13	1"	24"	1 7/16"	23 1/16"	1 1/2"	(23) 1/4 x 3 1/2 SDS	
HDUE15	1"	24"	1 15/16"	27 7/8"	1 1/2"	(28) 1/4 x 4 1/2 SDS	



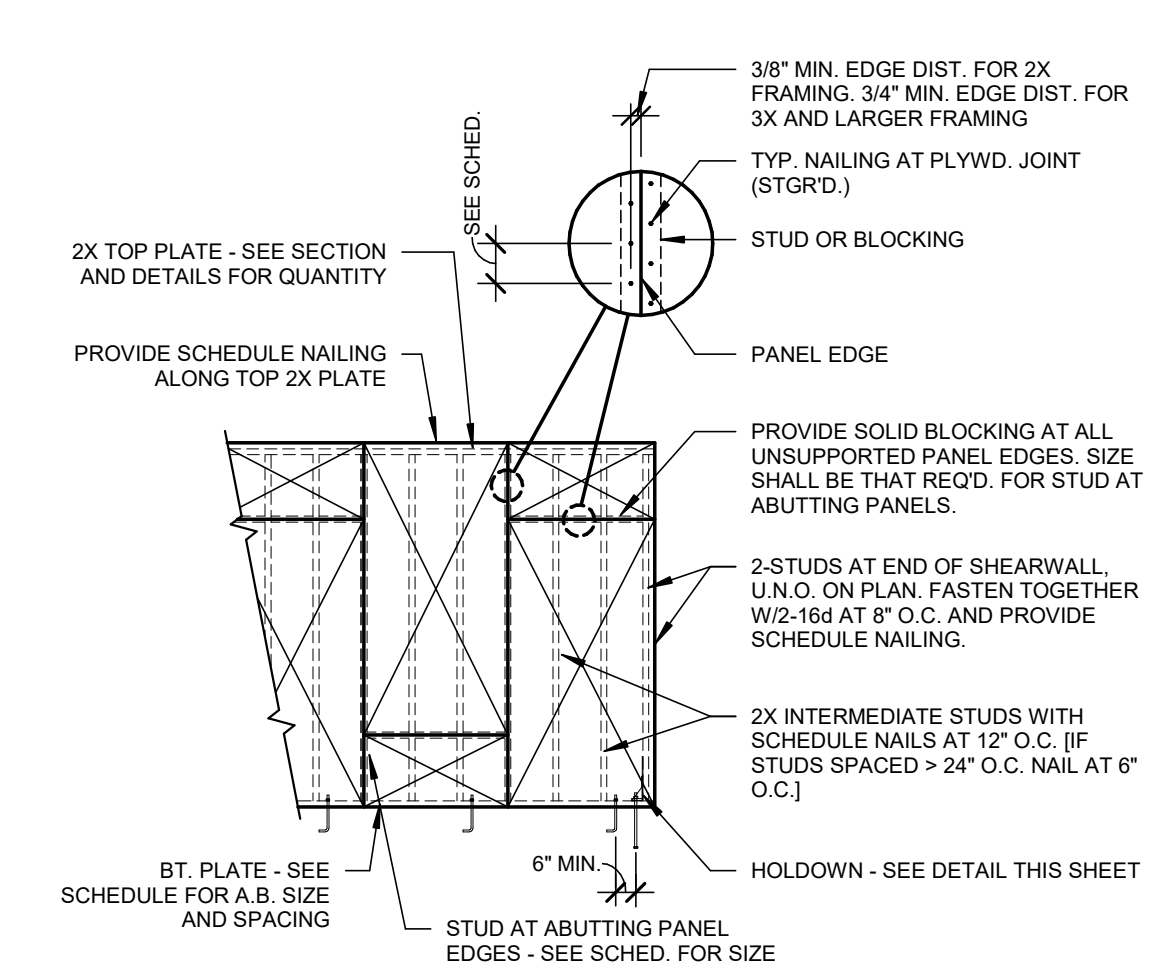
- NOTES:**
- DEEPEN FOOTING AS REQUIRED TO PROVIDE 3" MIN. CONC. COVER AT ANCHOR BOLT AND PLATE WASHER, AND WIDEN FOOTINGS AS REQD. AT ANCHORS PER MIN. CONC. COVER SCHEDULE ABOVE.
 - WHEN HOLDOWN (HD) OCCURS NEAR END OF SILL PLATE, LOCATE A SILL BOLT 6" MAX. FROM HD BOLT.
 - PIPES OR CONDUITS IN FOOTINGS SHALL NOT BE LOCATED WITH "C" DISTANCE OF HOLDOW ANCHORS PER MIN. CONC. COVER SCHEDULE ABOVE.



SCHEDULE FOR HEADER SIZES ^{1,2}		
HEADER SPAN	BEARING	NON-BEARING
UP TO 4'-0"	6"	6"
OVER 4' TO 8'-0"	8"	6"
OVER 8' TO 10'-0"	10"	8"
OVER 10' TO 12'-0"	12"	10"

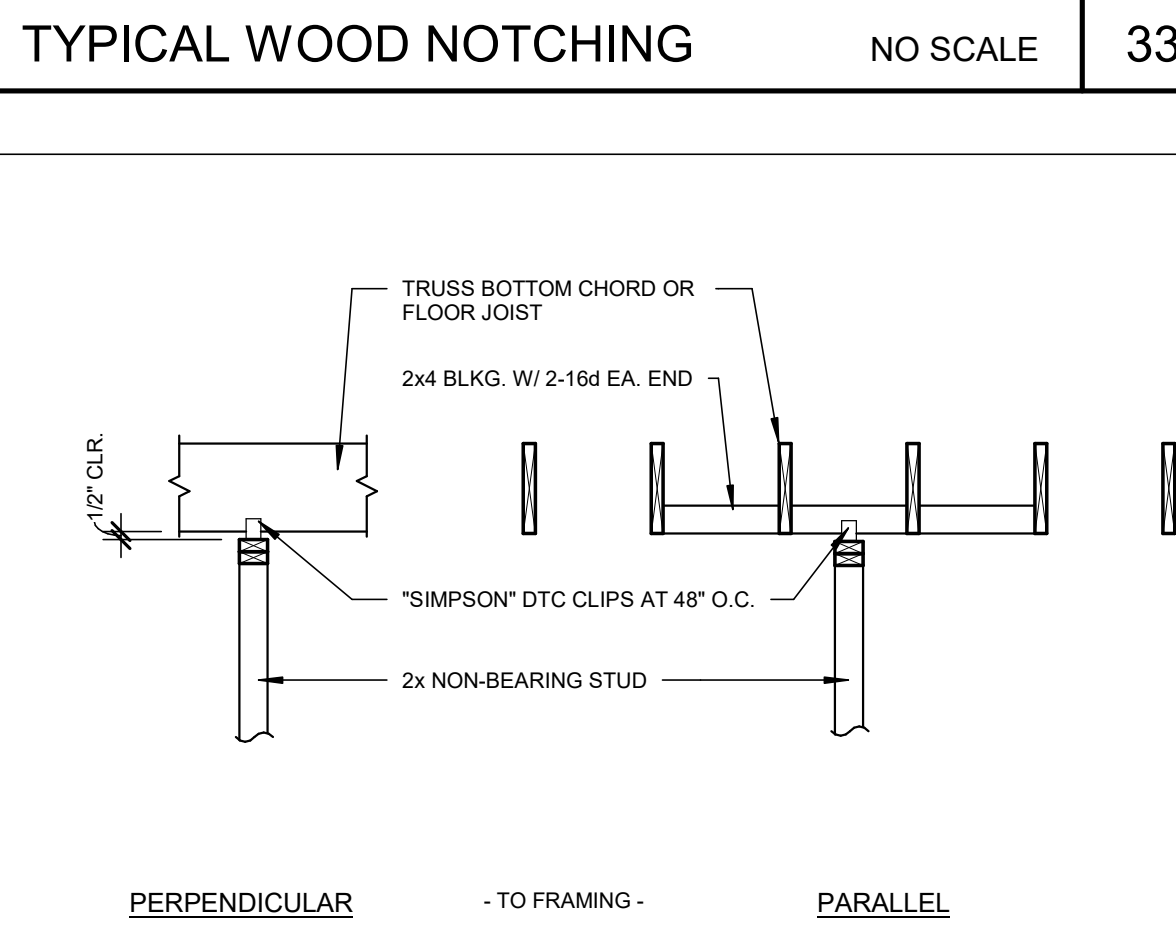
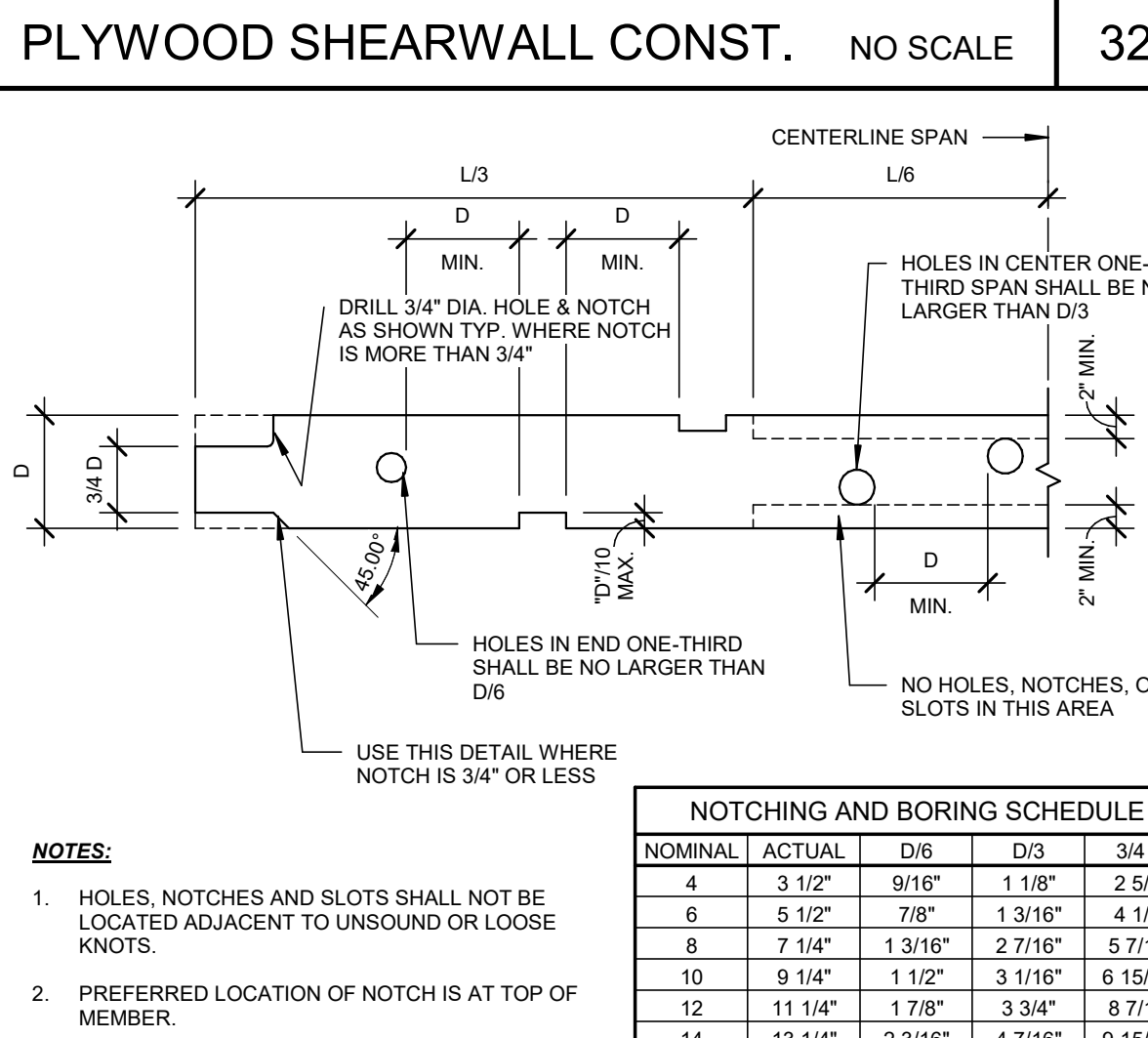


STUD WALL CONNECTIONS NO SCALE 24

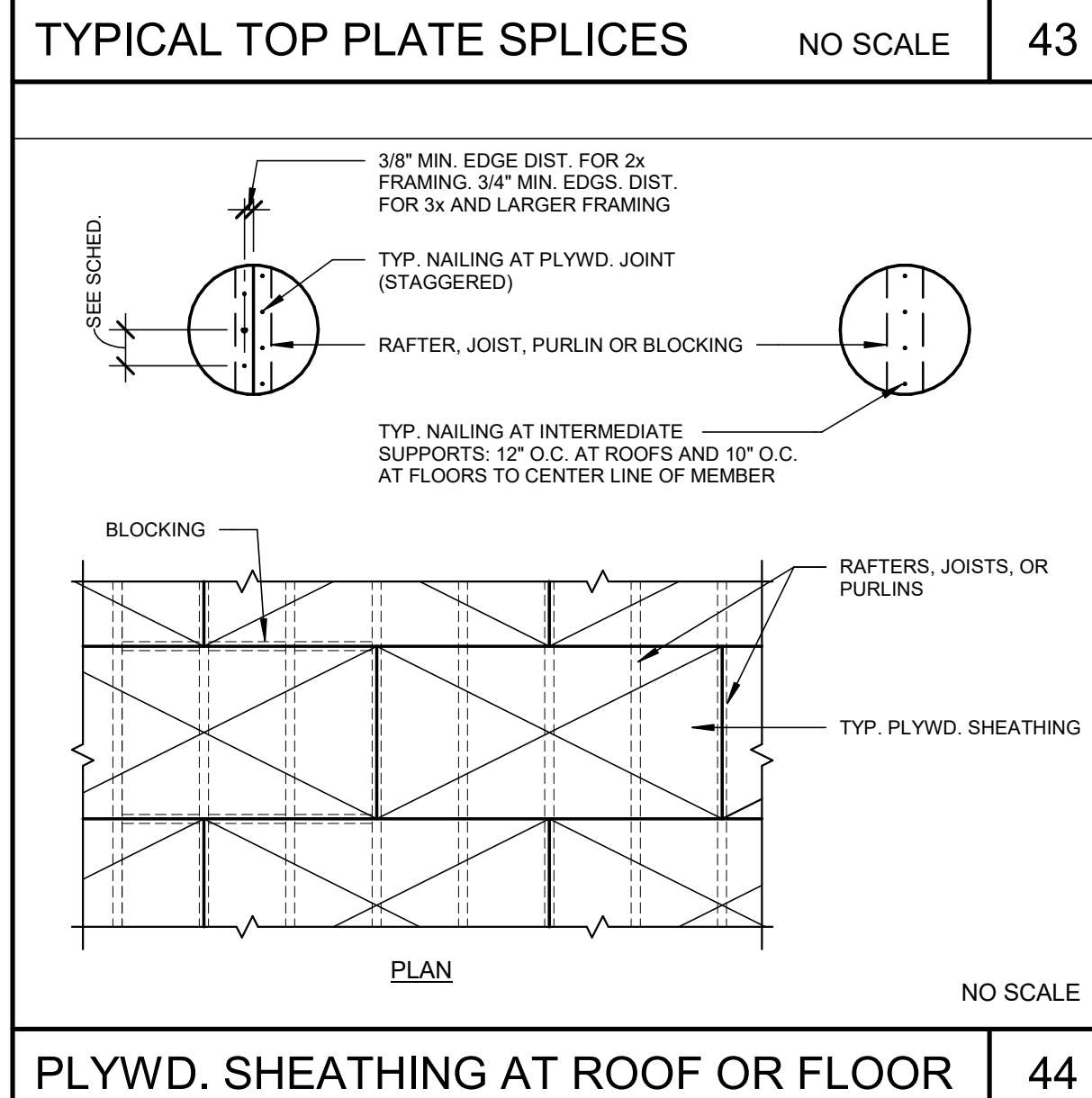
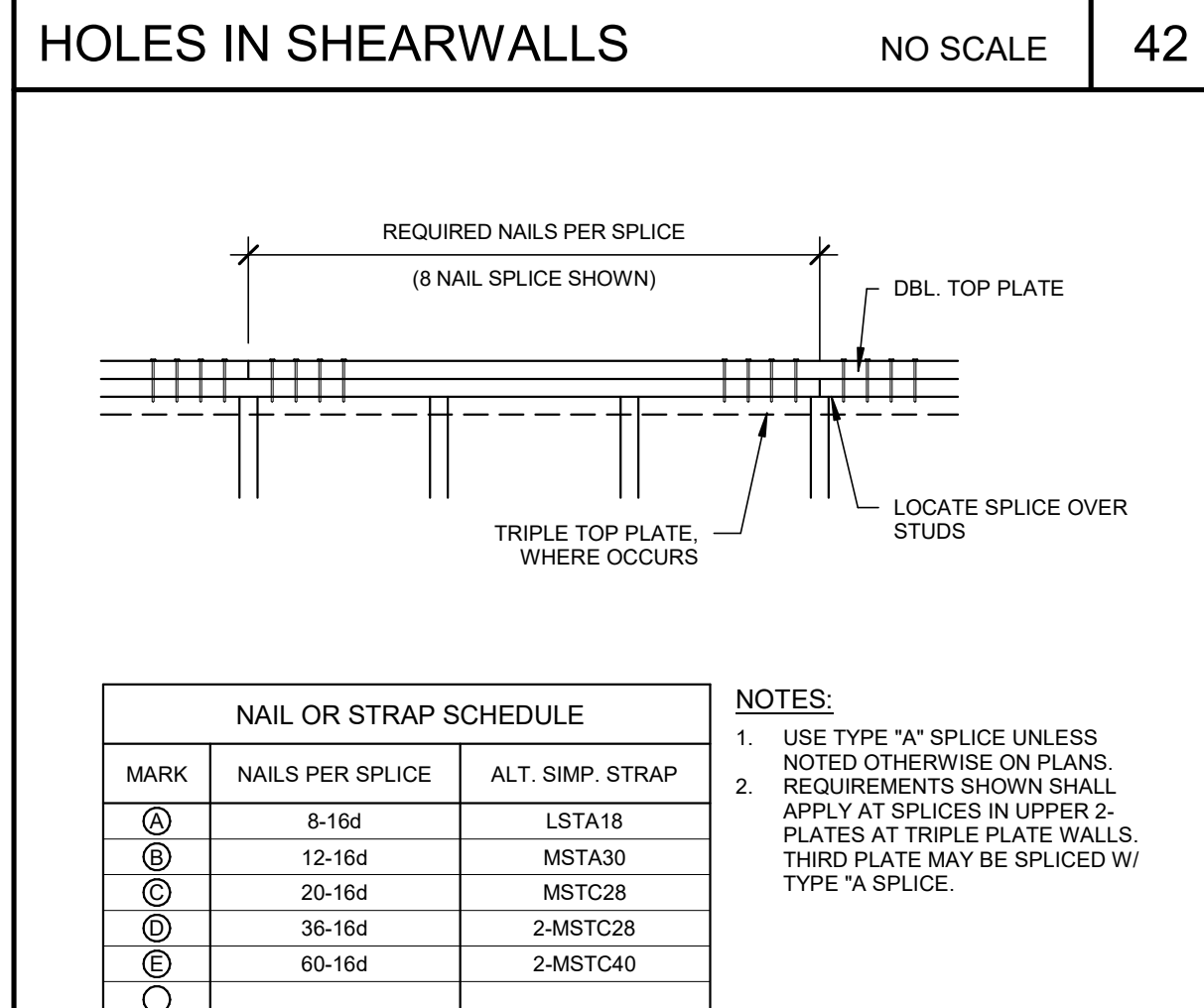
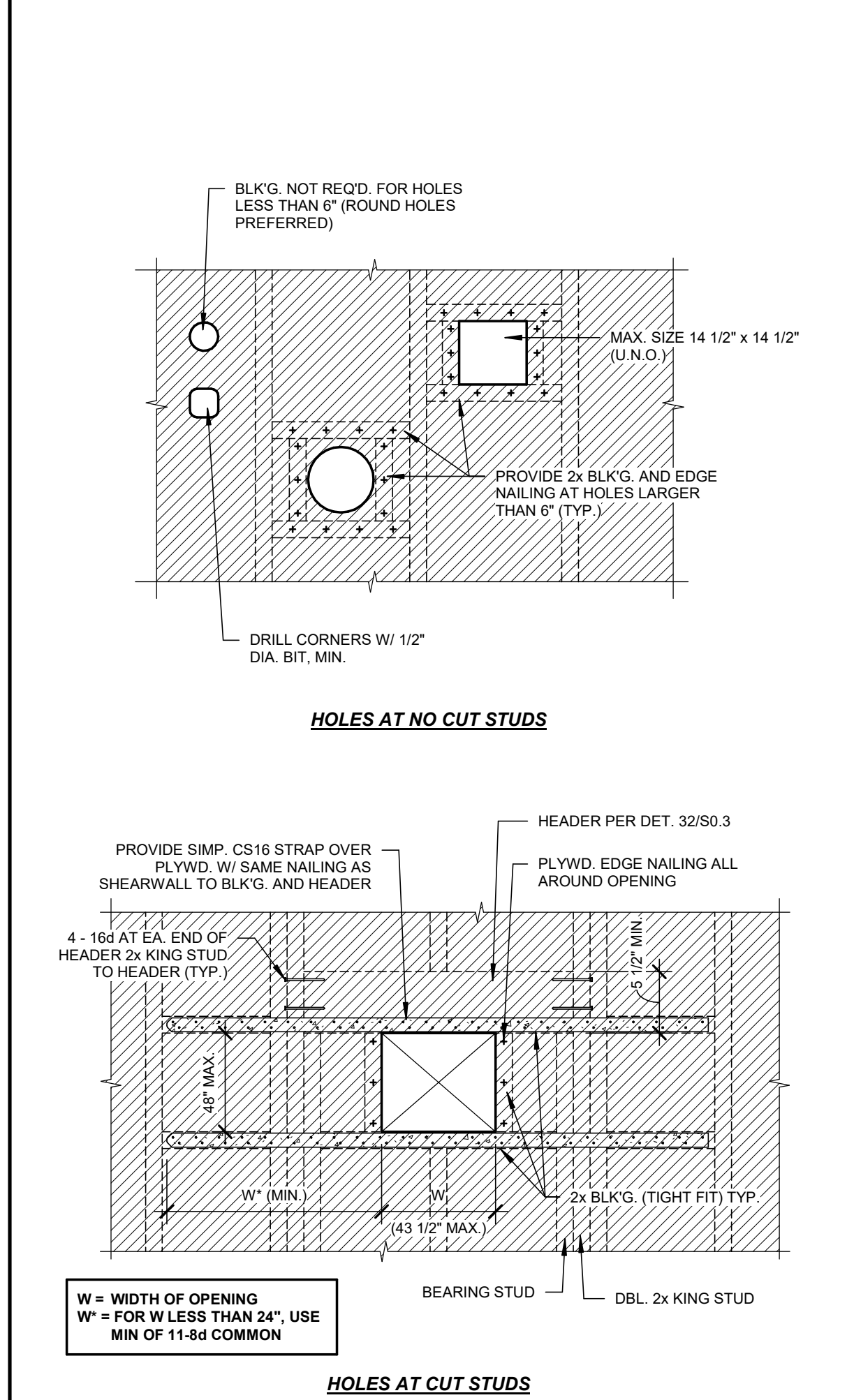


PLYWOOD PANEL SCHEDULE							
MARK	PANEL THICKNESS	PANEL INDEX	EDGE NAILING	SILL PLATE	STUD AT ABUTTING PANELS	SIDES OF WALL	ANCHOR BOLTS ^{6,7,9} OR TO FASTENER
A	15/32	32/16	8d AT 6"	2"	2"	ONE	5/8" DIA. AT 48" O.C.
B	15/32	32/16	8d AT 4"	2"	2"	ONE	5/8" DIA. AT 48" O.C.
C	15/32	32/16	8d AT 4"	3"	3"	BOTH	5/8" DIA. AT 16" O.C.

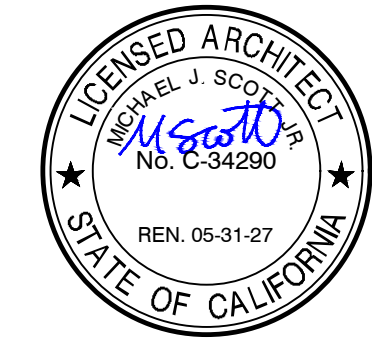
- * REFERS TO NOMINAL THICKNESS AT PANEL SPLICE
- NOTES:**
- ALL EDGES OF PLYWOOD SHEETS SHALL BE FASTENED PER SCHEDULE NAILING
 - ALL NAILS SHALL BE COMMON WIRE NAILS.
 - ALL PLYWOOD SHALL BE MARKED "A" P.A EXPOSURE 1"
 - PREDRILL NAIL HOLES WHERE PLYWOOD TENDS TO SPLT.
 - MINIMUM INDIVIDUAL PIECE: 8 SQ. FT.
 - PLATE WASHERS 3" SQ. x 3/16" SHALL BE USED ON EA. BOLT. SEE DET. 23/S0.3 FOR WASHER PLACEMENT.
 - EMBED ANCHOR BOLTS 7" MINIMUM INTO CONCRETE. SET WITH TEMPLATE
 - WHERE PANELS ARE APPLIED ON BOTH FACES OF WALL AND NAIL SPACING IS LESS THAN 6" O.C. PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS OF FRAMING AT COMMON PANEL EDGES SHALL BE 3" NOMINAL AND NAILS SHALL BE STAGGERED
 - ANCHOR BOLTS NOTED ARE IN ADDITION TO THOSE THAT ARE USED WITH HOLDOWNS. REFER TO FOUNDATION PLAN FOR LOCATION AND HOLDOWN TYPES.



TOP OF NON BEARING WALL NO SCALE 34



PLYWD. SHEATHING AT ROOF OR FLOOR NO SCALE 44



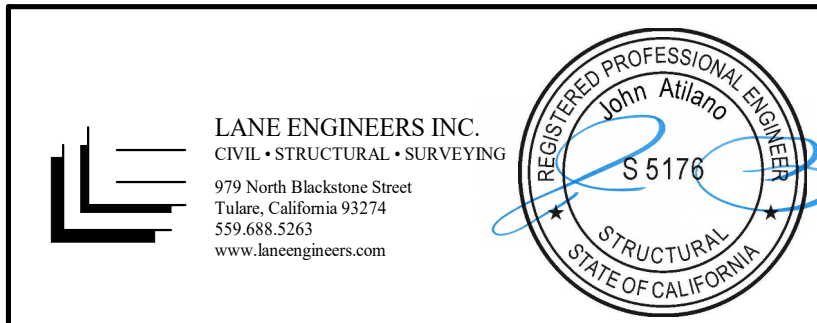
DATE: MARCH 31, 2026

NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL
41932 SIERRA DR., THREE RIVERS, CA 93271
THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

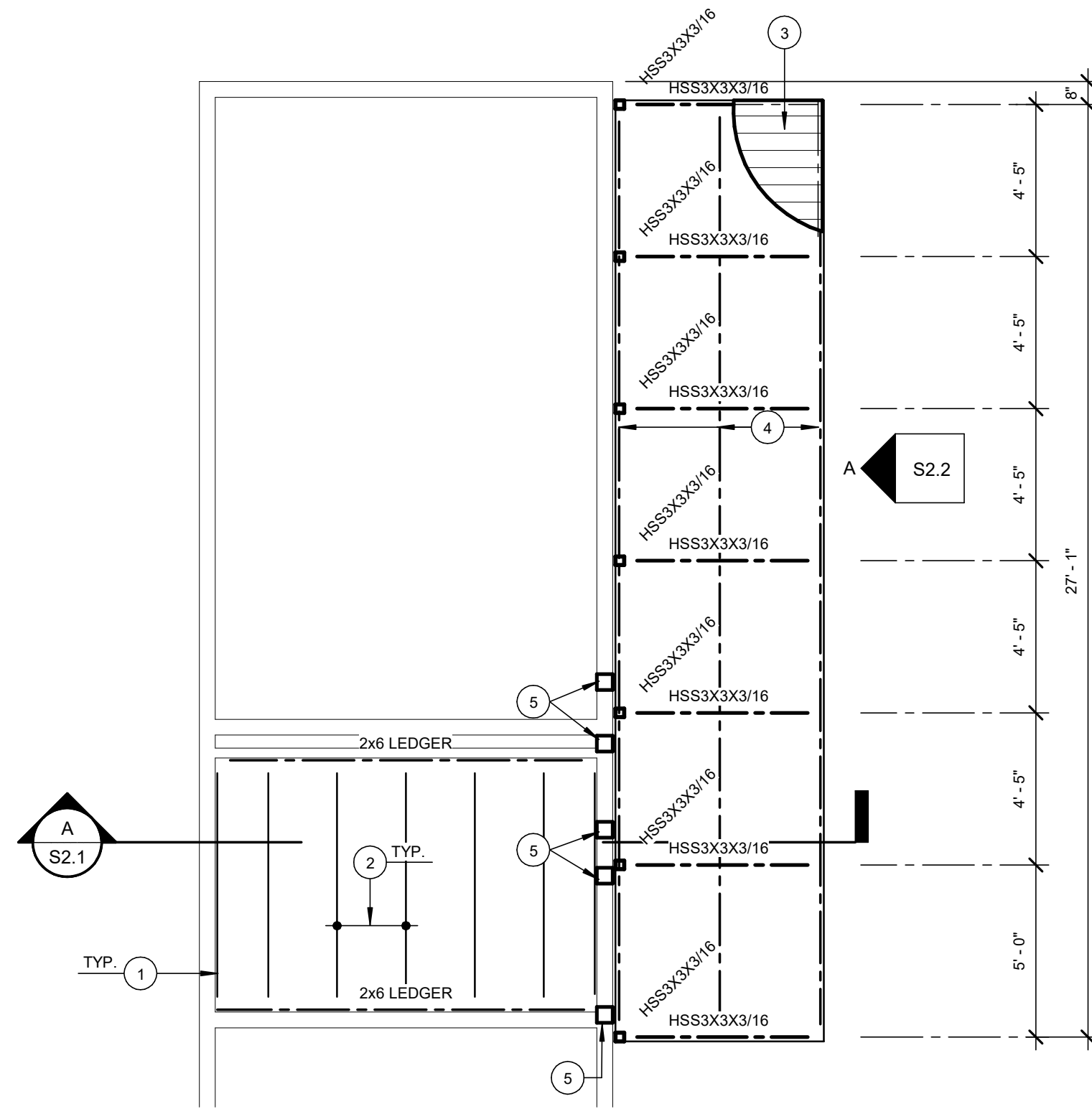
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TITLE
**FOUNDATION
PLAN AND
BUILDING
SECTION**
S2.1
PROJECT **25057**



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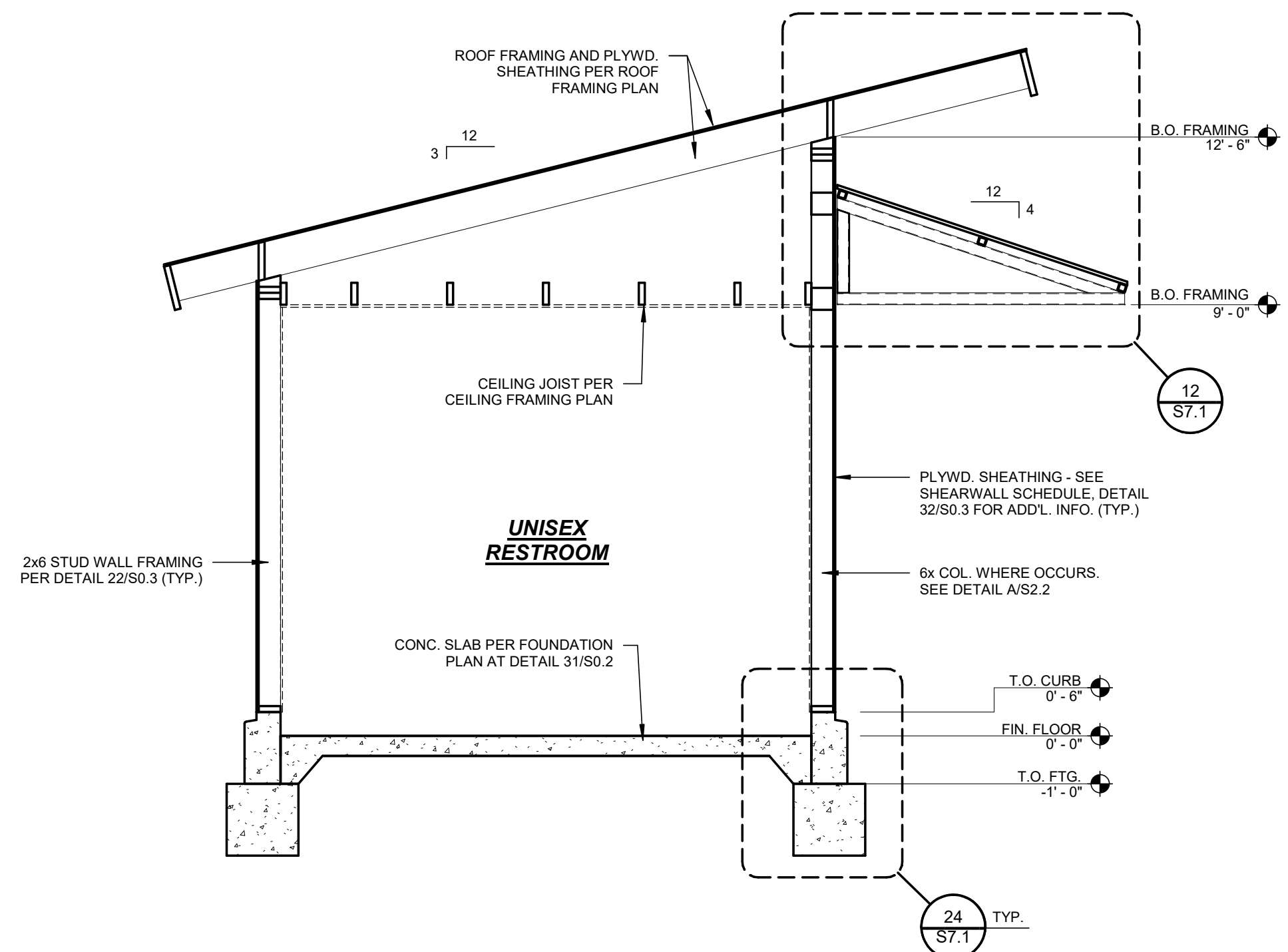


CANOPY AND CEILING FRAMING PLAN

1/4" = 1'-0"

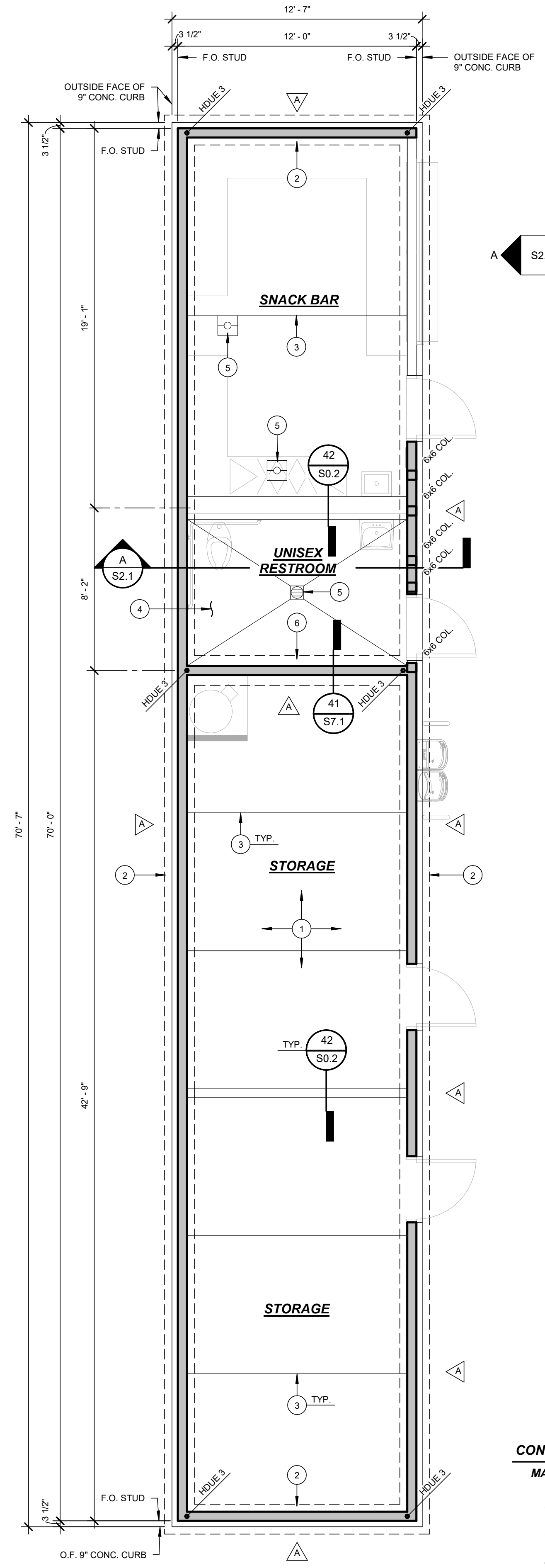
CONSTRUCTION KEYNOTES

MARK	DESCRIPTION
1	2x6 CONT. LEDGER W/ 3 -16d AT 16" O.C. LEDGER TO STUD WALL FRAMING
2	2x6 CEILING JOIST AT 24" O.C. (MAX.) W/ SIMP. U-HANGER AT EA. END. JOIST TO LEDGER
3	METAL ROOF DECK PER DETAIL 34/S7.1
4	CONT. HSS 2x2x3/16" PER DETAIL 12/S7.1
5	6x6 COL. SEE DETAIL A/S2.2 FOR ADD'L. INFO.



BUILDING SECTION - A

3/8" = 1'-0"



FOUNDATION PLAN

1/4" = 1'-0"

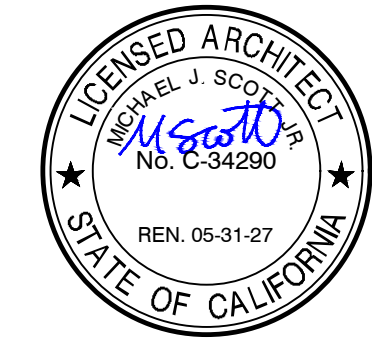


LEGEND

	SHEARWALL - SEE SHEARWALL SCHEDULE, DETAIL 32/S0.3
	HOLDOWN - SEE HOLDOWN SCHEDULE, DETAIL 32/S0.3

CONSTRUCTION KEYNOTES

MARK	DESCRIPTION
1	CONCRETE SLAB PER DETAIL 31/S0.2
2	1'-6" WD. x 1'-6" THK. CONTINUOUS FOOTING W/ 1 - #5 CONT. TOP AND BOTTOM PER DETAIL 24/S7.1.
3	CONTROL / CONSTRUCTION JOINT PER DETAILS 32/S0.2 AND 33/S0.2
4	SEE ARCH. DWGS. FOR SLOPE OF CONCRETE SLAB
5	FLOOR DRAIN - SEE ARCH. AND PLUMBING DWGS. FOR ADD'L. INFO.
6	1'-6" WD. x 1'-6" THK. CONTINUOUS FOOTING W/ 1 - #5 CONT. TOP AND BOTTOM PER DETAIL 41/S7.1.



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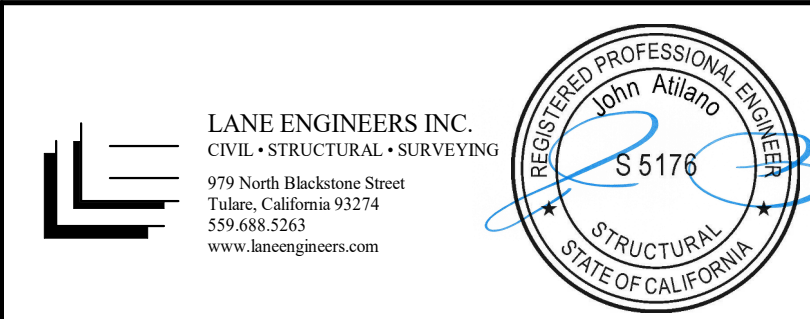
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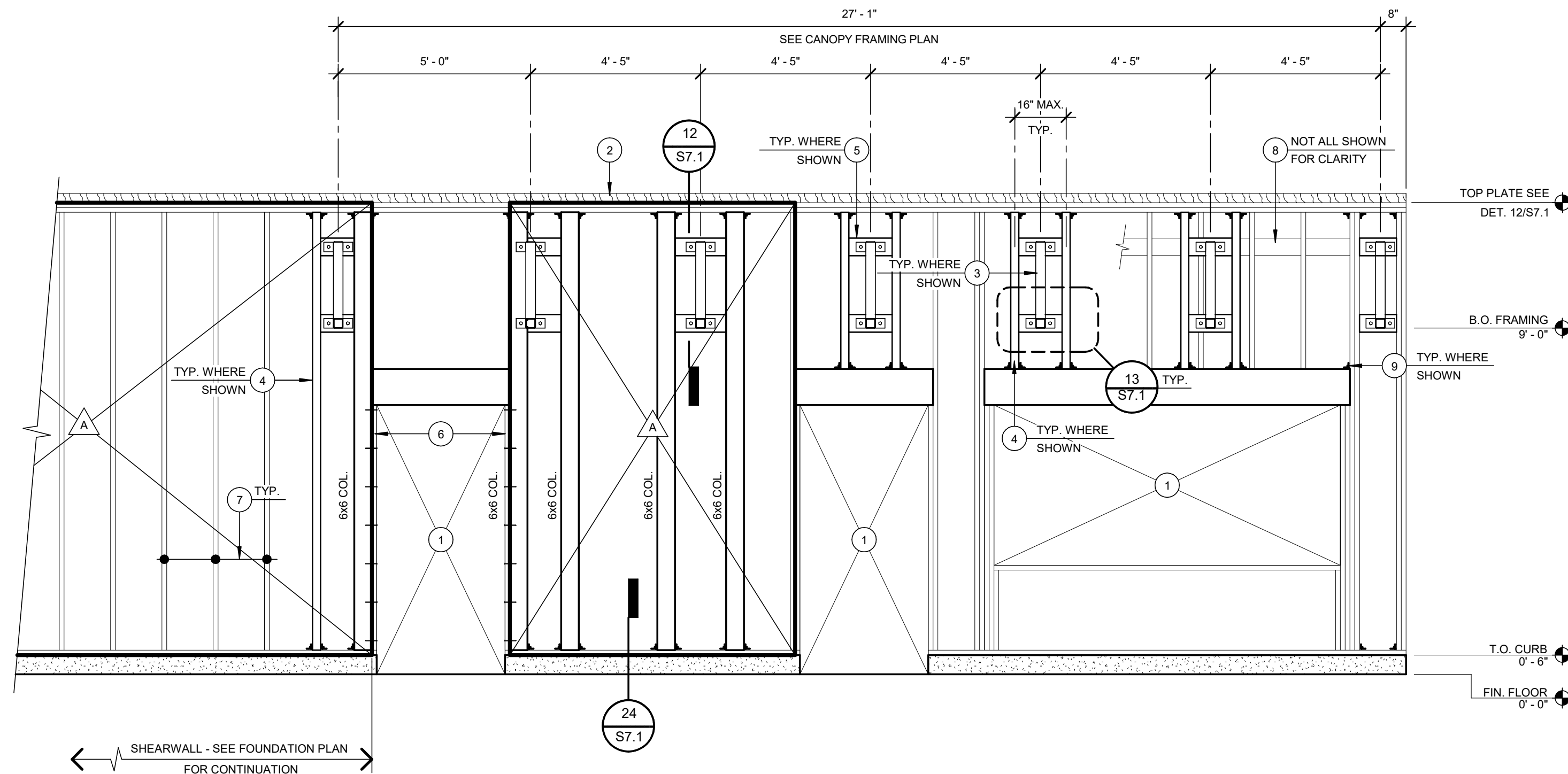
TITLE
**ROOF FRAMING
PLAN AND
FRAMING DETAILS**

S2.2

PROJECT **25057**



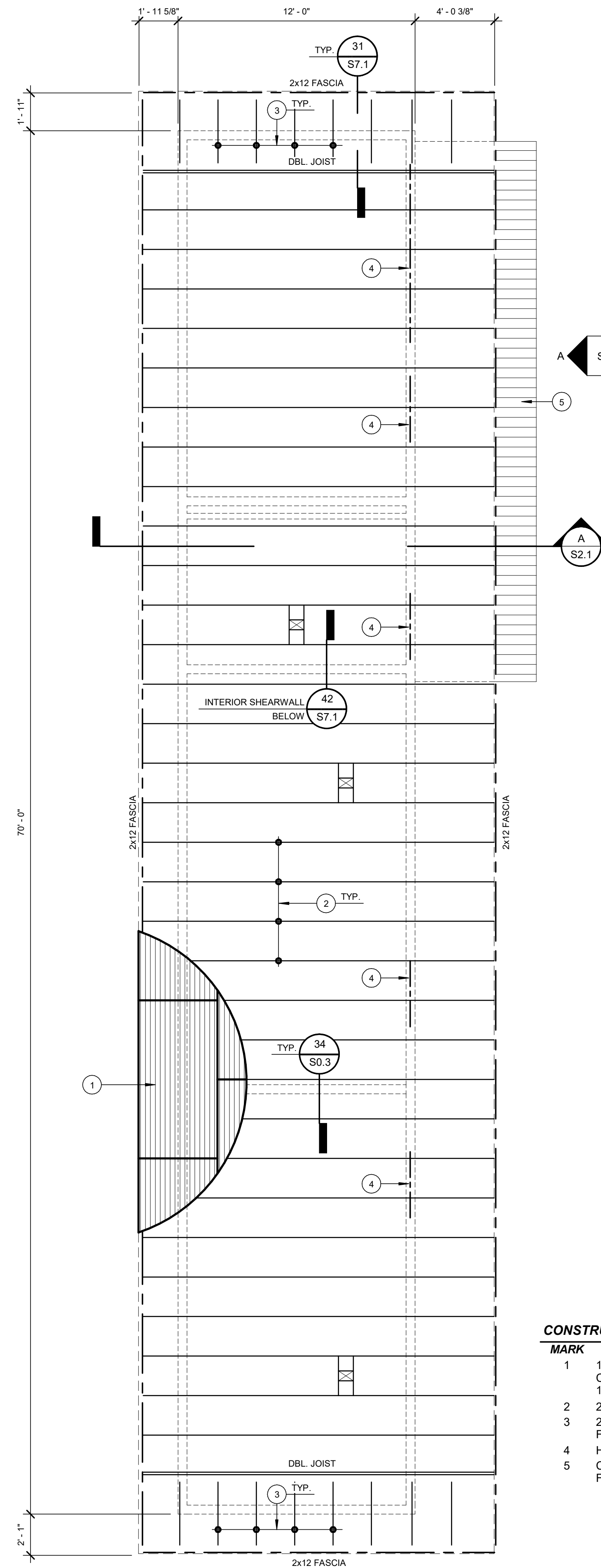
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WALL FRAMING ELEVATION
3/8" = 1'-0"

CONSTRUCTION KEYNOTES

MARK	DESCRIPTION
1	FRAMED OPENING PER DETAIL 22/S0.3. SEE ARCH. DWGS. FOR EXACT SIZE AND PLACEMENT
2	CONTINUOUS SHAPED PLATE PER DETAIL 12/S7.1
3	HSS FRAMING PER DETAIL 12/S7.1
4	3x6 VERTICAL STUD W/ SIMP. A35 EA. SIDE AT TOP AND BOTTOM
5	6x6 BLOCKING AT HSS FRAMING PER DETAIL 13/S7.1
6	2x6 TRIMMER W/ 16d AT 12" O.C. STUD TO 6x COL.
7	2x6 STUDS AT 16" O.C. (MAX.) - SEE DETAIL 22/S0.3 FOR ADD'L. INFO.
8	6x SOLID BLOCKING AT BENT PLATE PER DETAILS 32/S7.1 AND 33/S7.1 (BENT PLATE NOT SHOWN FOR CLARITY)
9	SIMP. A35

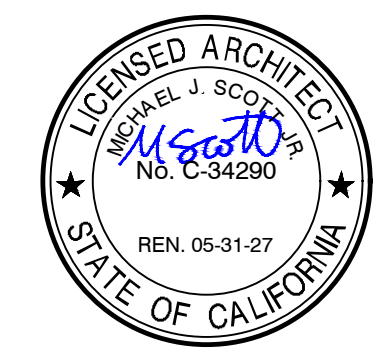


ROOF FRAMING PLAN

1/4" = 1'-0"

CONSTRUCTION KEYNOTES

MARK	DESCRIPTION
1	15/32" APA RATED PLYWOOD, C-D EXP. 1 (P.I.=32/16) W/ 8d COMMON AT 6" O.C. (ALL EDGES AND BOUNDARIES) AND 12" O.C. (FIELD), BLOCKED
2	2x10 ROOF JOIST AT 24" O.C.
3	2x10 LADDER FRAMING AT 24" O.C. - SEE DETAIL 31/S7.1 FOR ADD'L. INFO.
4	HEADER BELOW PER DETAIL 22/S0.3
5	CANOPY FRAMING BELOW - SEE CANOPY FRAMING PLAN FOR ADD'L. INFO.



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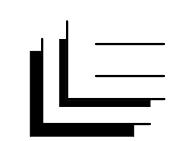
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TITLE
**STRUCTURAL
DETAILS**

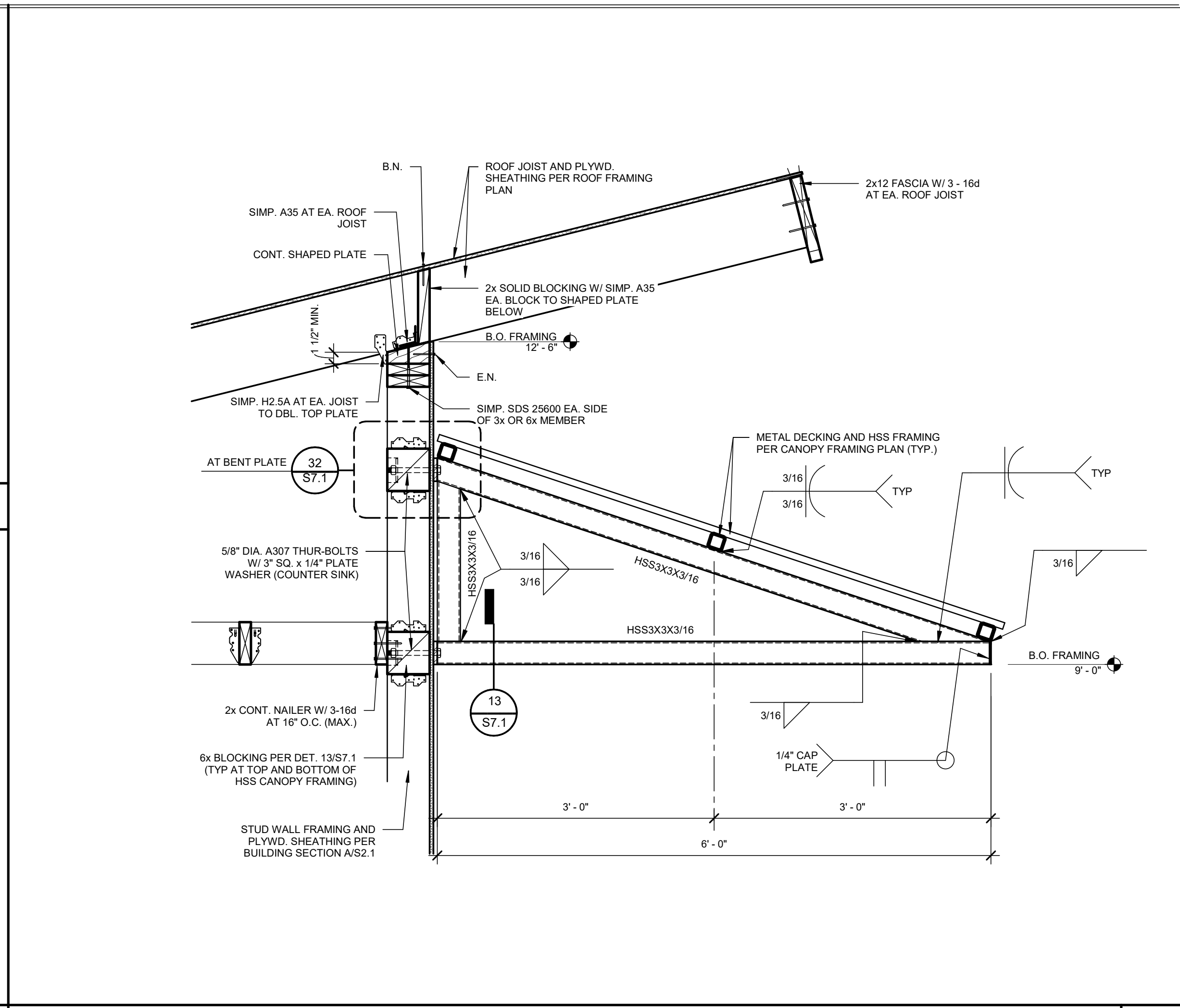
S7.1

PROJECT **25057**

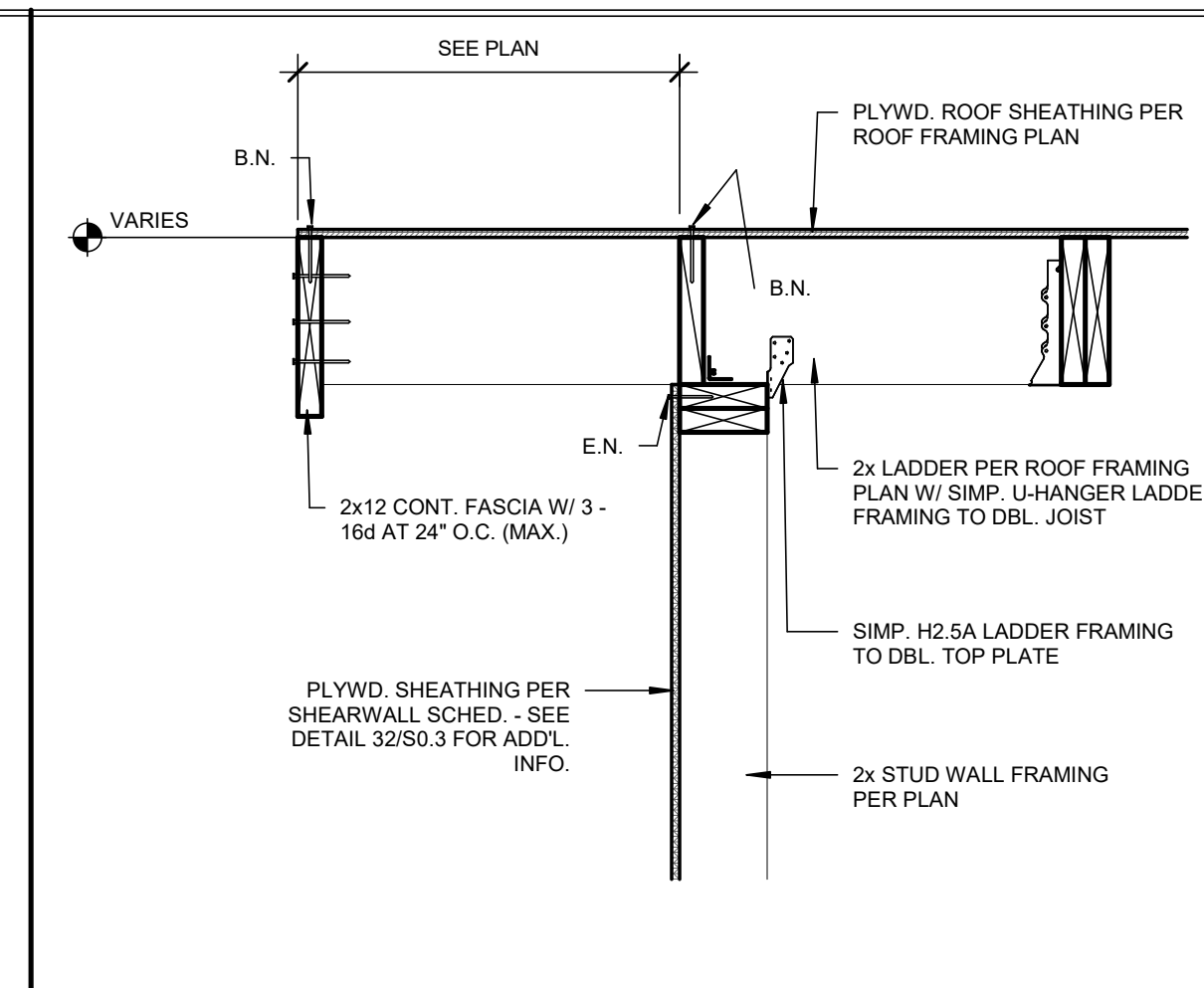


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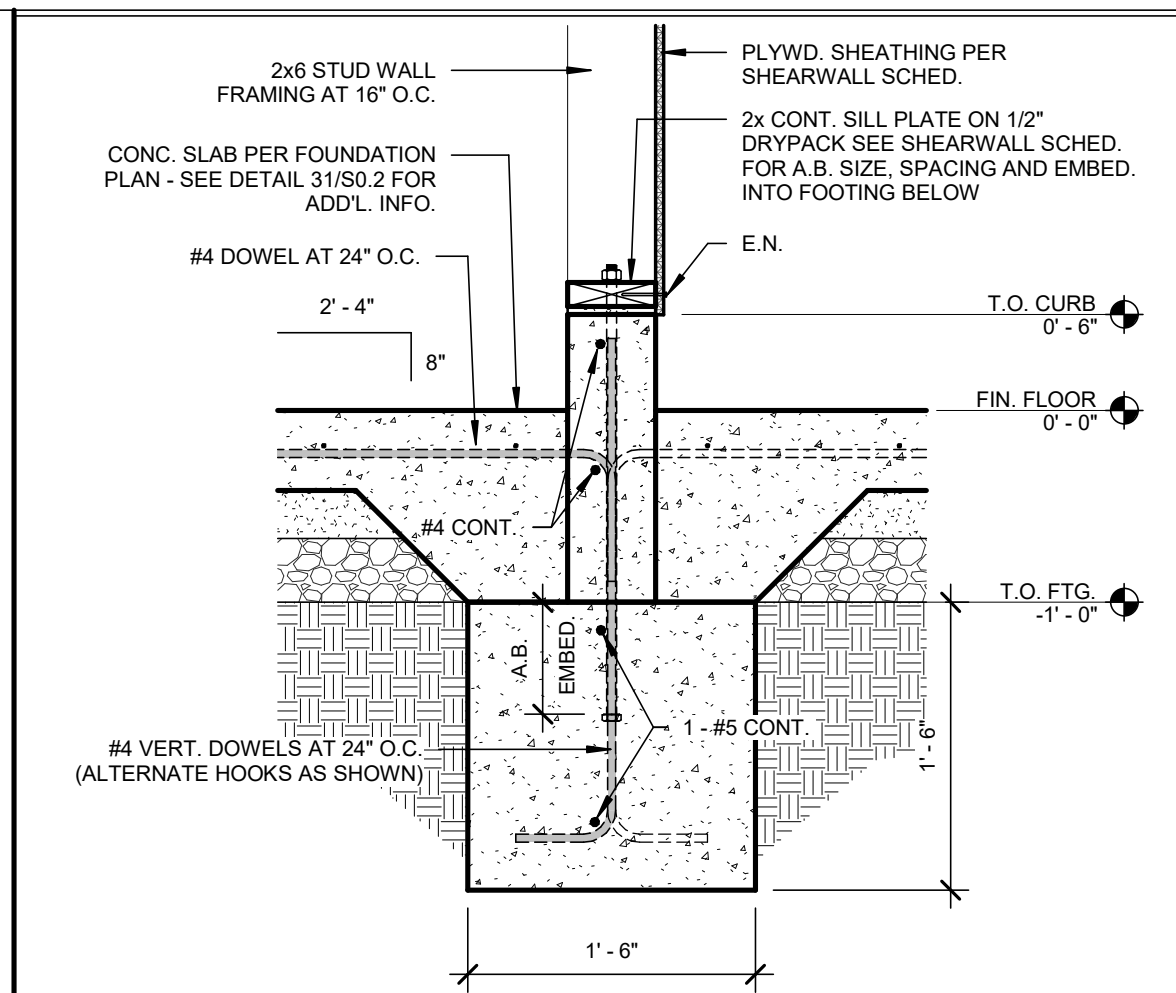




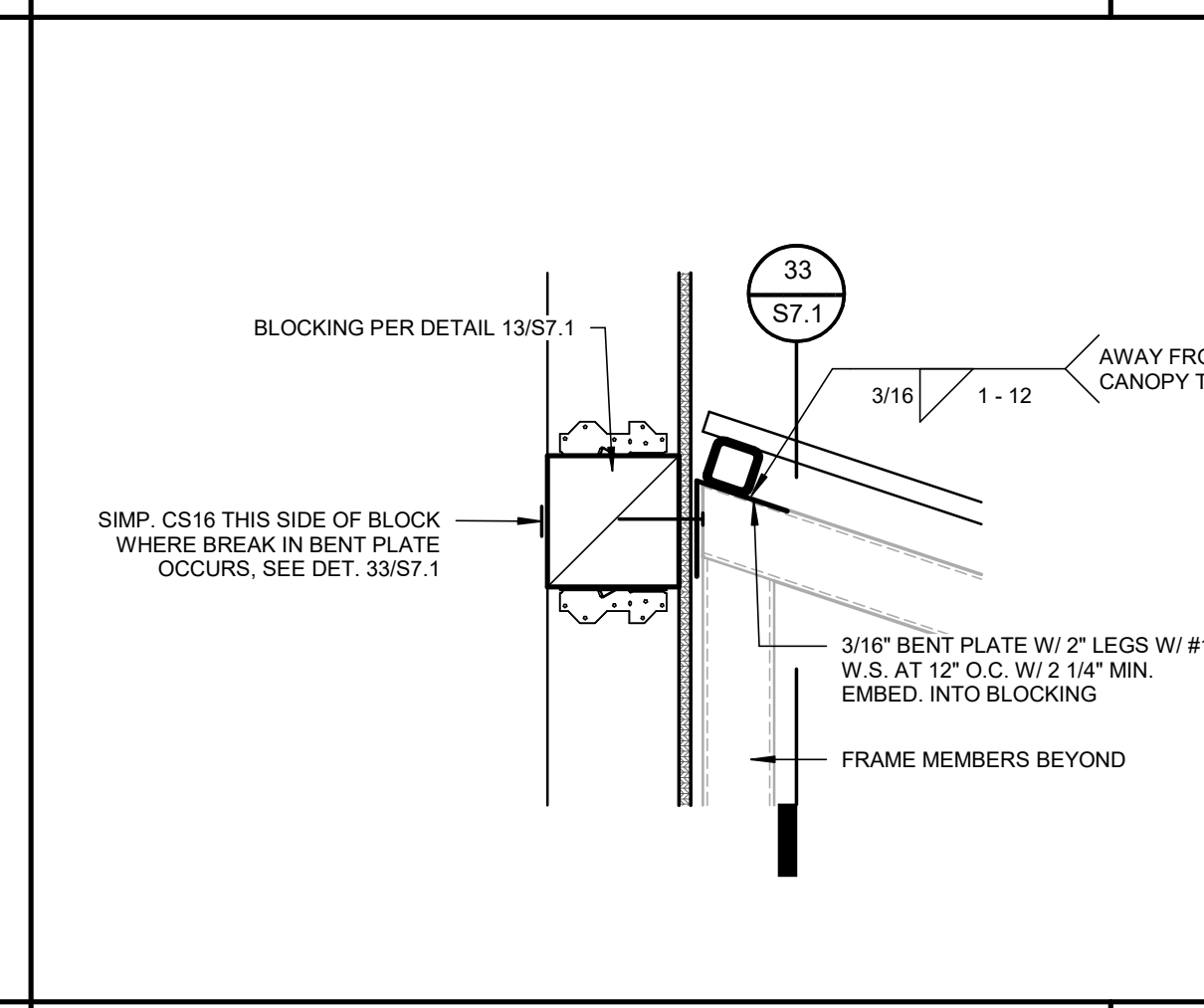
FRAMING DETAIL 1" = 1'-0" 12



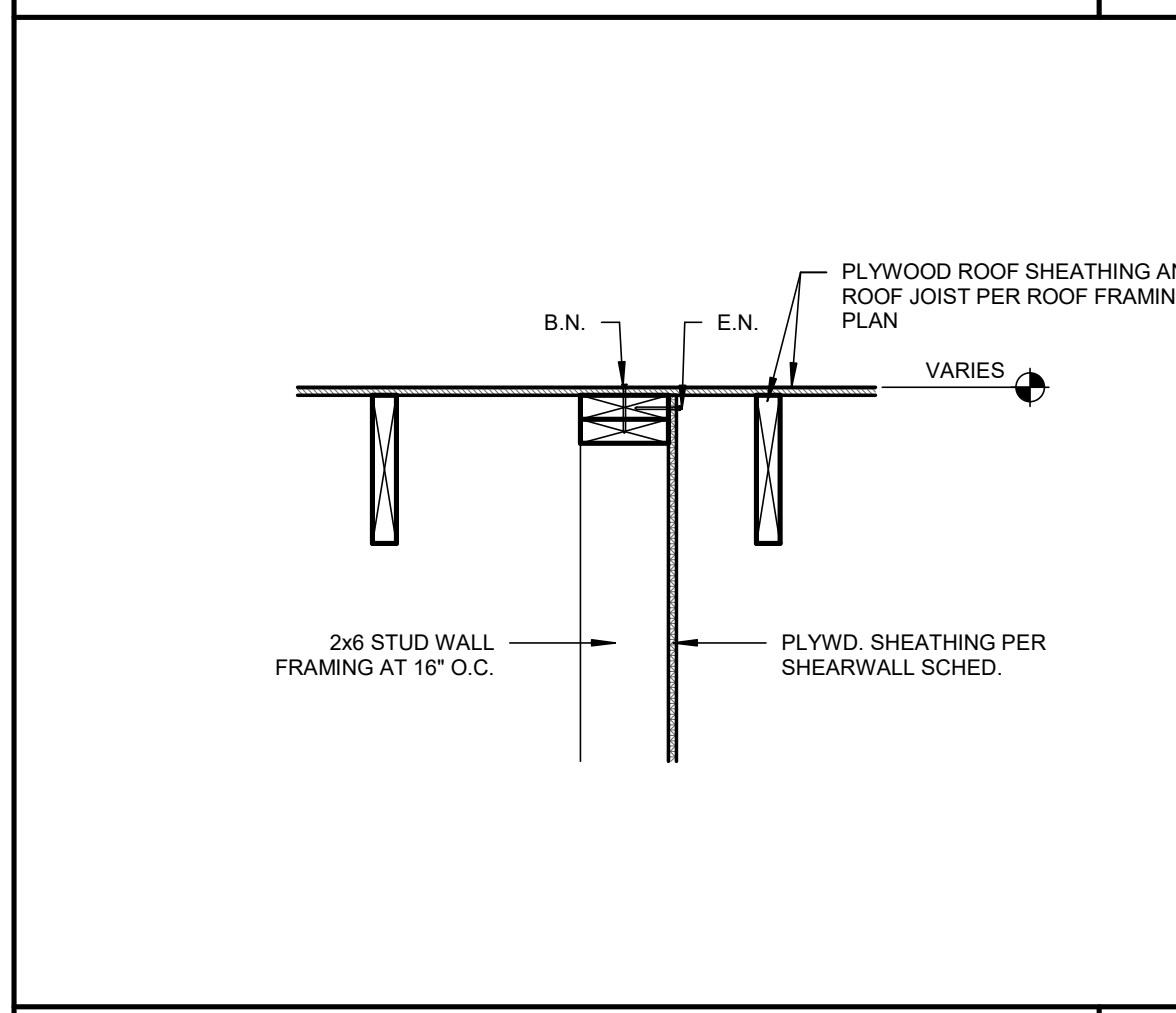
FRAMING DETAIL 1" = 1'-0" 31



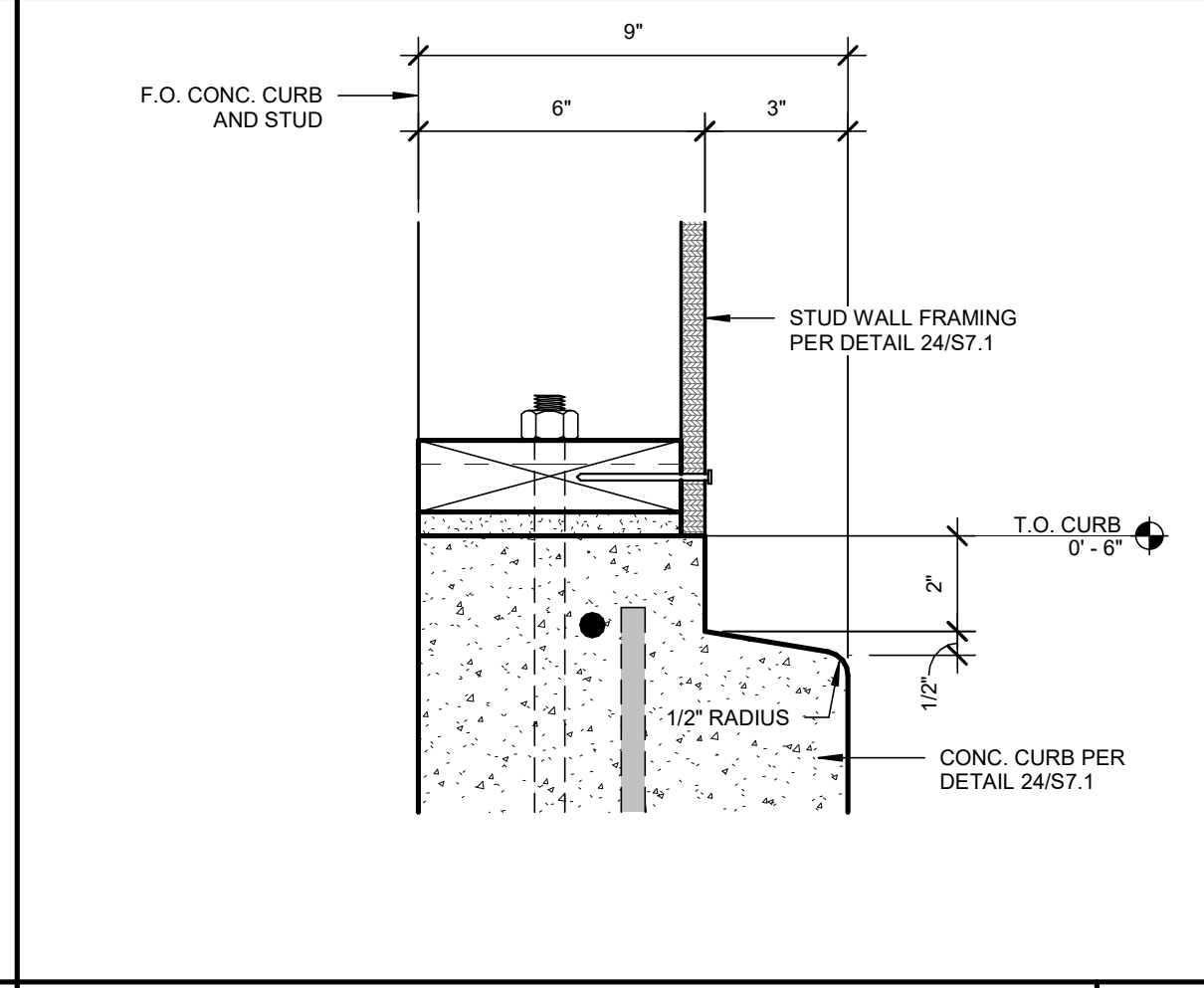
FOOTING DETAIL 1" = 1'-0" 41



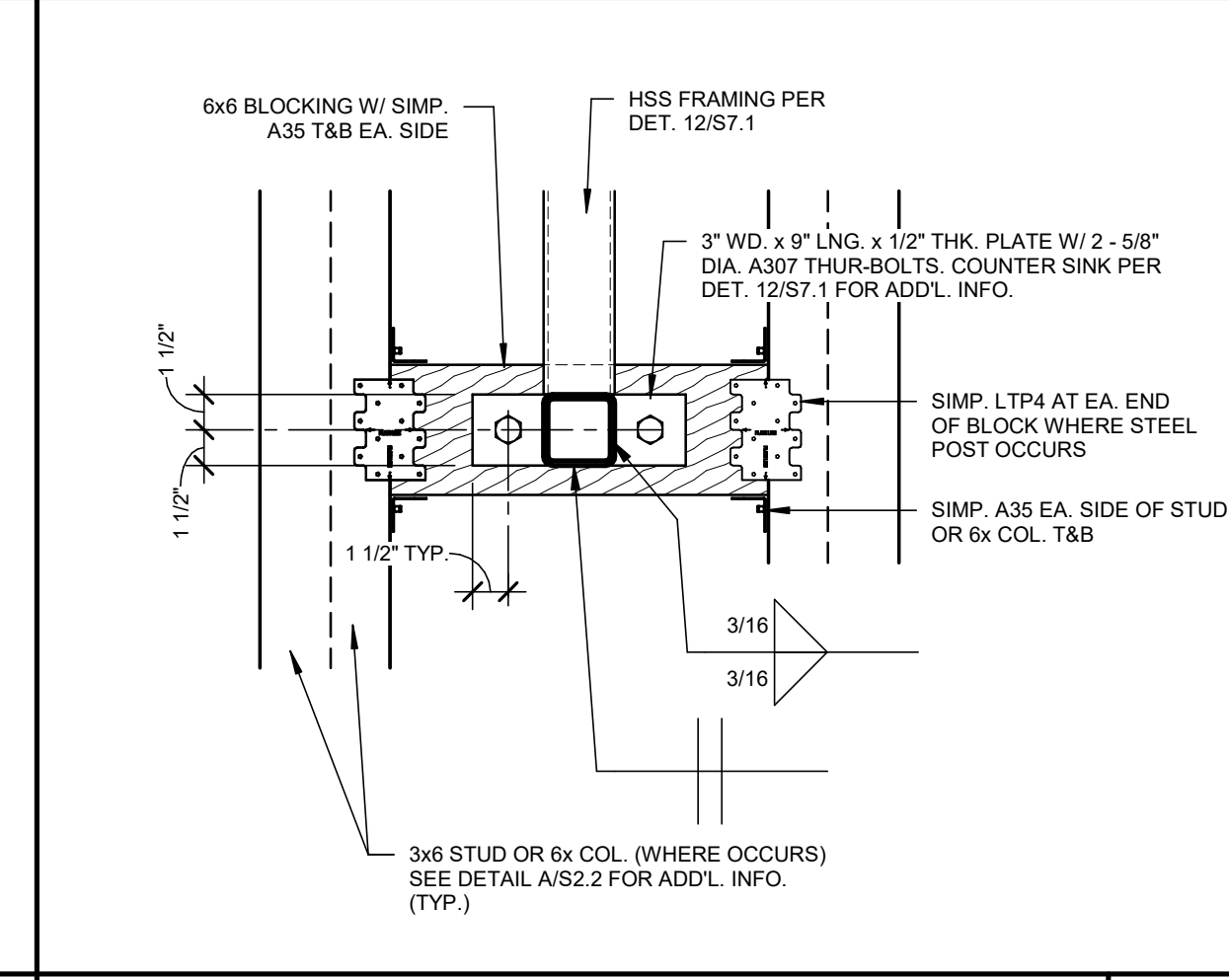
FRAMING DETAIL 1 1/2" = 1'-0" 32



FRAMING DETAIL 1" = 1'-0" 42

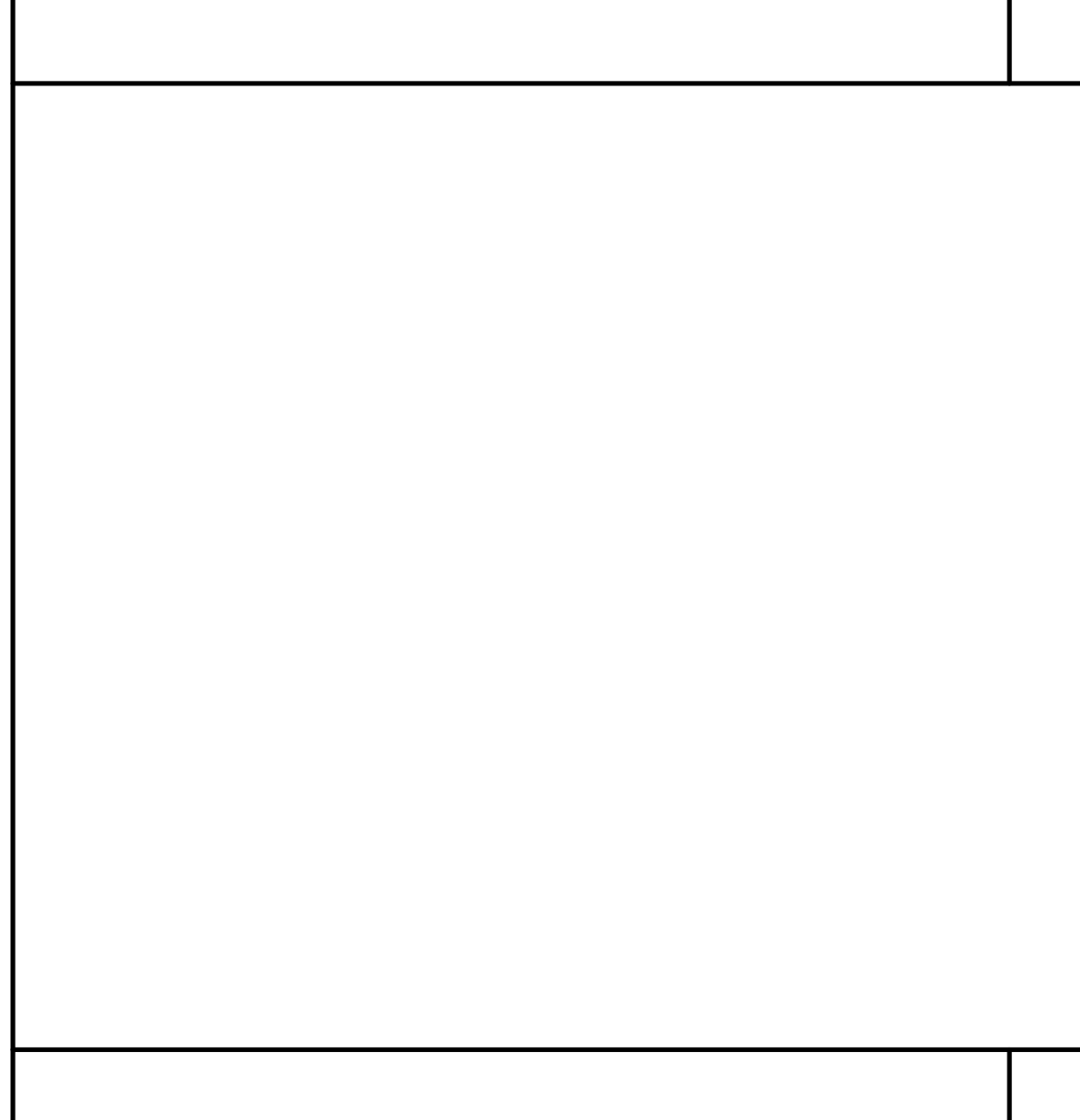


T.O. CONC. CURB 3" = 1'-0" 23

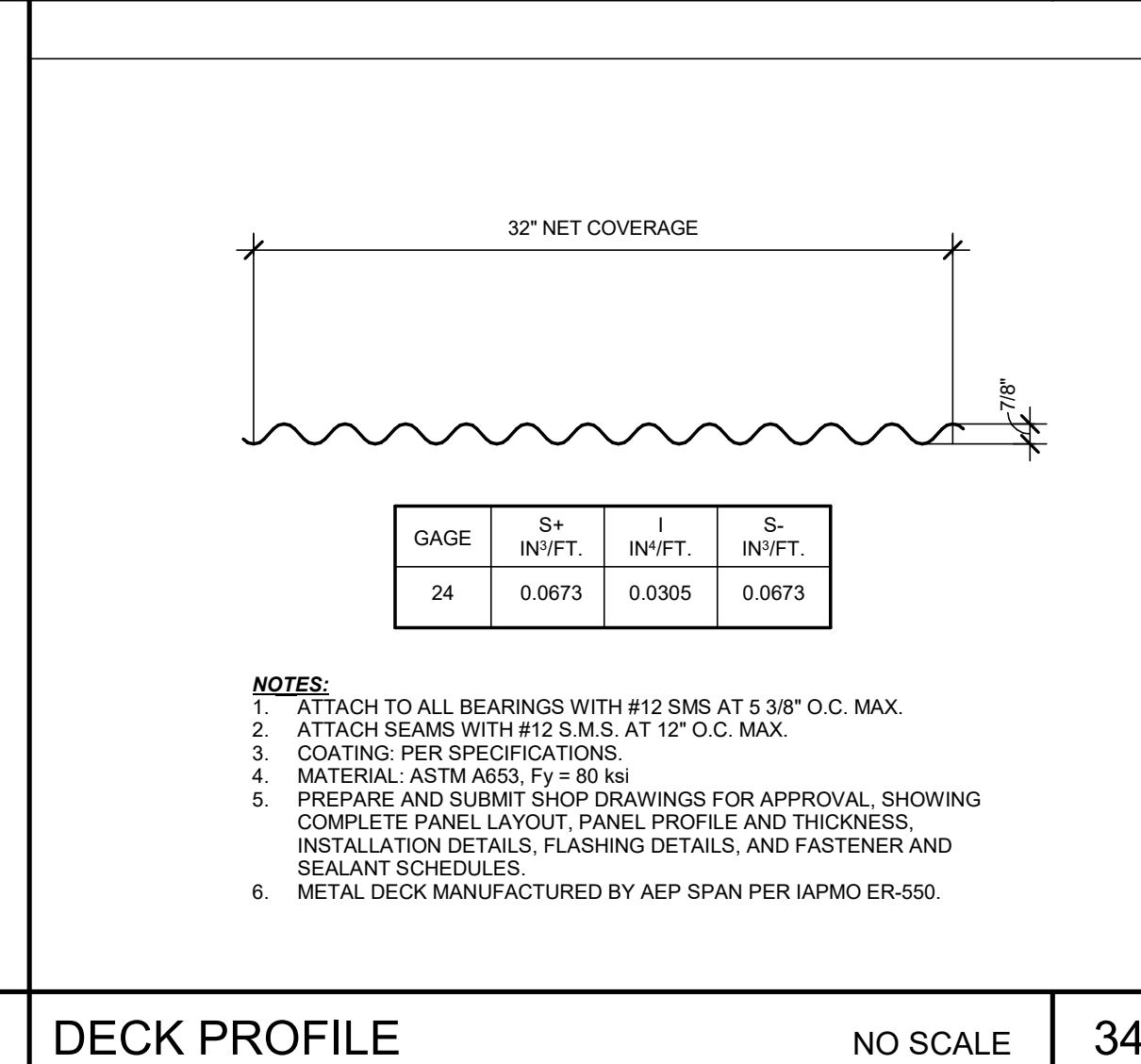


FRAMING DETAIL 1 1/2" = 1'-0" 13

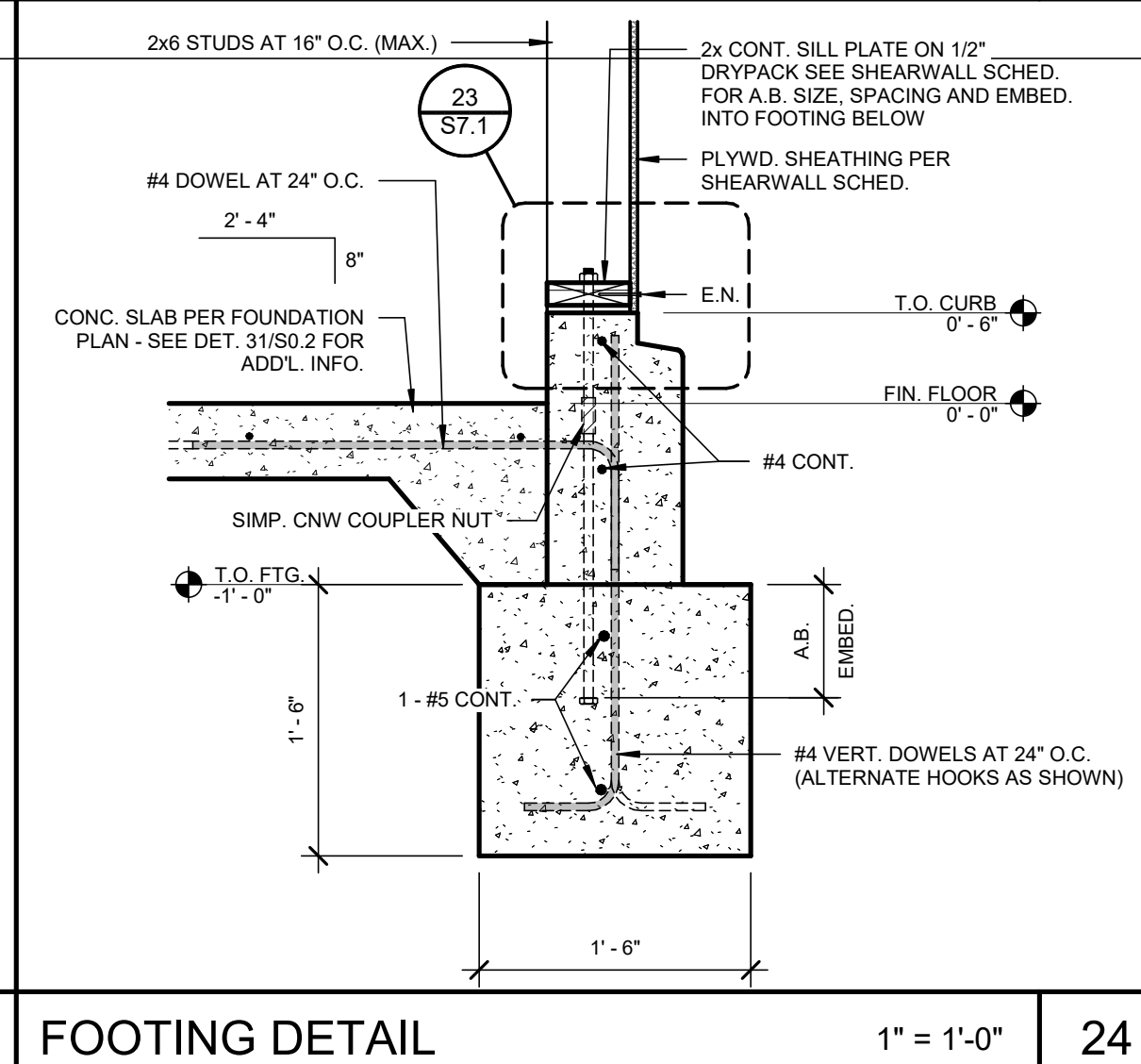
FRAMING DETAIL 1" = 1'-0" 33



DECK PROFILE NO SCALE 34



FOOTING DETAIL 1" = 1'-0" 24



FOOTING DETAIL 1" = 1'-0" 24

31 August 2026 11:30 AM P:\2026\26017 New Snack Bar & Athletics Storage BLDG. at Three Rivers ES\4-Drawings\5 P\1.0 - OVERALL PLUMBING SITE PLAN.dwg rjant

GENERAL PLUMBING NOTES:

- THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE 2025 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WOULD NOT COMPLY WITH SAID TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUESTED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
- THE APPLICABLE CODES AND REGULATIONS FOR THIS PROJECT INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

CALIFORNIA CODE OF REGULATIONS
TITLE 8, INDUSTRIAL RELATIONS
TITLE 19, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
TITLE 24, PART 1, ADMINISTRATIVE REGULATIONS
2025 CALIFORNIA BUILDING CODE, PART 2, TITLE 24 CCR
2025 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 CCR
2025 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 CCR
2025 CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 CCR
2025 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR

NFPA 101 2024 EDITION
OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT
- LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. THE PLUMBING BUILDING PLANS HAVE BEEN PREPARED TO MATCH THE ARCHITECTURAL PLANS. IF DIFFERENCES OCCUR, THE ARCHITECTURAL PLANS ARE TO TAKE PRECEDENCE. THE ACTUAL LOCATIONS OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK, TO AVOID ALL INTERFERENCE WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL, OR OTHER ELEMENTS. ALL PIPE OFFSET ELBOWS FOR COORDINATION BETWEEN TRADES ARE NOT SHOWN. CONTRACTOR SHALL INCLUDE SUFFICIENT FUNDS FOR THE COORDINATION OFFSETS IN THE BID. VERIFY THE PROPER VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL PLANS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.
- WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER-DRIVEN PINS IN EXISTING NON-PRESTRESSED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRE-STRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.
- MEP COMPONENT ANCHORAGE:**

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2025 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT THAT THAT IS PERMANENTLY ATTACHED (E. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVABLE, OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING:

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, AND 13.6.8; AND 2025 CBC SECTIONS 1617A.1.24, 1617A.1.25, 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEMS ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAVE VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP):

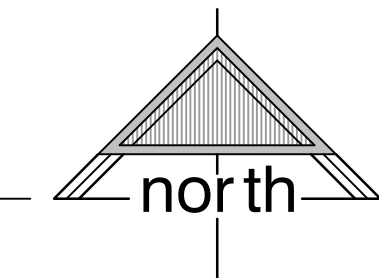
- MP ☐ MD ☐ PP ☒ OPTION 1: PROJECT SPECIFIC DESIGN.
- MP ☐ MD ☐ PP ☐ OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.
- MP ☐ MD ☐ PP ☐ OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED SUBMITTAL.

- BRACE ALL PIPING 4" DIAMETER AND GREATER; USE $I_p=1.0$ FOR SEISMIC DESIGN CALCULATIONS. EXCEPTION: NATURAL GAS PIPING 1" DIAMETER AND GREATER, USE $I_p=1.5$ FOR SEISMIC DESIGN CALCULATIONS.
- PENETRATIONS THROUGH FIRE RATED WALLS, FLOOR/CEILING, AND ROOF/CEILING ASSEMBLIES SHALL BE SEALED USING AN APPROVED SYSTEM CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECT TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC TO FIRE STOPS PER 2025 CBC SECTION 714. THIS INCLUDES EXISTING PIPE AND CONDUIT THROUGH NEW ASSEMBLIES. CUSTOM DESIGNED SYSTEMS WHICH COMBINE COMPONENTS FROM DIFFERENT APPROVED SYSTEMS BUT HAVE NOT BEEN TESTED AS A COMPLETE ASSEMBLY WILL NOT BE ACCEPTABLE. FOR FIRE STOPS FOR PIPE PENETRATIONS SEE SPECIFICATIONS.
- FIELD VERIFY THE EXACT LOCATION, DEPTH AND SIZE OF ALL NEW POINTS OF CONNECTION TO EXISTING UTILITIES PRIOR TO COMMENCING NEW UTILITY WORK.
- ALL DOMESTIC WATER PIPING SHALL BE A MINIMUM OF 1/2" SIZE UNLESS NOTED OTHERWISE. USE A REDUCING DROP ELL AT FIXTURE CONNECTION WHEN APPLICABLE.
- RUN A BLUE 18 GAUGE TRACE WIRE WITH NON-METALLIC DOMESTIC WATER SERVICE. TERMINATE ABOVE GRADE AT EACH END.

(E) FIRE HOSE CONNECTION.

(E) FIRE DEPT. CONNECTION WITH CHECK VALVE FOR FIRE SPRINKLERS PER TULARE COUNTY FIRE DEPT.

(N) FIRE HYDRANT PER TULARE COUNTY FIRE DEPT. STANDARDS.



OVERALL PLUMBING SITE PLAN

SCALE: 1" = 40'-0"

PLUMBING LEGEND		
SYMBOL	ITEM	ABBR
	SOIL or WASTE	S or W
	VENT	V
	VENT RISER	VR
	VENT THRU ROOF	VTR
	DOMESTIC COLD WATER	CW
	DOMESTIC HOT WATER	HW
	DOMESTIC HOT WATER RETURN	HWR
	CONDENSATE DRAIN	CD
	RAIN WATER LEADER	RWL
	OVERFLOW DRAIN	OD
	GREASE WASTE	GW
	EXISTING PIPING	(E)
	EXISTING	(E)
	NEW	(N)
	REFERENCE	REF.
	SLOPE	SL
	BELOW FINISH GRADE	BFG
	BELOW FINISH FLOOR	BFF
	UNLESS NOTED OTHERWISE	UNO
	UNLESS OTHERWISE NOTED	UON
	WATER COLUMN	W.C.
	ABOVE CEILING	ABV CLG
	BELOW FLOOR	BEL FLR
	BELOW GRADE	BEL GR
	TYPICAL	TYP
	CONTINUATION	CONT
	DOWN	DN
	FLOOR CLEANOUT	FCO
	CLEANOUT TO GRADE	COTG
	WALL CLEANOUT	WCO
	PIPING TURN UP	
	PIPING TURN DOWN	
	POINT OF CONNECTION	POC
	SHUT-OFF VALVE IN BOX	SOV
	SHUT-OFF VALVE	SOV
	SHUT-OFF VALVE IN RISER	-
	SHUT-OFF VALVE IN DROP	-
	GATE VALVE	-
	BUTTERFLY VALVE	-
	GLOBE VALVE	-
	CHECK VALVE	-
	PLUG VALVE	-
	BALL VALVE	-
	REDUCER	-
	MANHOLE	MH
	FLEXIBLE CONNECTOR	-
	UNION	-
	RELIEF VALVE	-
	BALANCING VALVE	-
	PRESSURE GAUGE	-
	THERMOMETER	-
	THRUST BLOCK	TB

IMPORTANT:

THE DEPICTED LAYOUT OF EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE APPROXIMATE AND DERIVED FROM AVAILABLE RECORD DATA ACCESSIBLE AT THE TIME OF DESIGN OF THESE DRAWINGS. THE ACCURACY OR COMPREHENSIVENESS OF THESE DEPICTIONS IS NOT GUARANTEED, AS FIELD VERIFICATION OF THE LOCATIONS MAY NOT HAVE BEEN CONDUCTED.

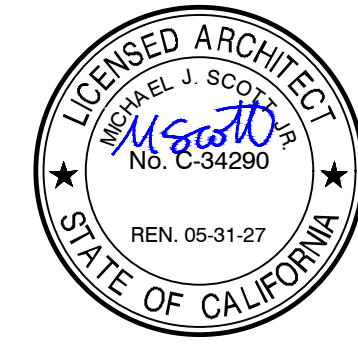
CONTRACTORS PERFORMING ANY SITE WORK SHALL CALL '811', OR SIMILAR SERVICE, AT LEAST TWO WORKING DAYS IN ADVANCE OF CONSTRUCTION TO FIELD LOCATE EXISTING UTILITIES.

THE CONTRACTOR IS ACCOUNTABLE FOR IDENTIFYING THE PRESENCE AND POSITIONING OF UTILITIES ILLUSTRATED ON THESE PLANS OR INDICATED IN THE FIELD THROUGH LOCATION SERVICES. ANY EXPENSE OVERAGES RESULTING FROM THE CONTRACTOR'S OVERSIGHT IN CONFIRMING THE LOCATIONS OF EXISTING UTILITIES BEFORE COMMENCING CONSTRUCTION NEARBY SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

CALL 811 BEFORE YOU DIG.



<https://www.usanorth811.org/>



DATE: MARCH 31, 2026

**NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL**
41932 SIERRA DR., THREE RIVERS, CA 93271
THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

REVISIONS				

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4320 West Mineral King Avenue
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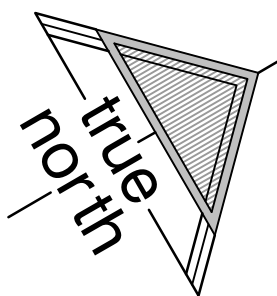
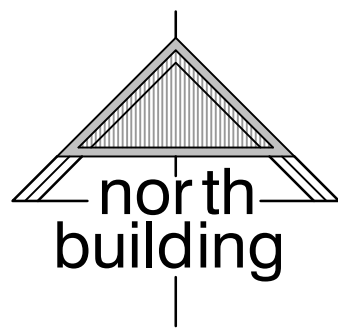
TITLE
OVERALL PLUMBING
SITE PLAN

P1.0
PROJECT **25057**

31 August 2026 11:16 AM P:\2026\26017 New Snack Bar & Athletics Storage BLDG. at Three Rivers ES\4-Drawings\5 P\2.0 - PLUMBING PLAN.dwg ryanf

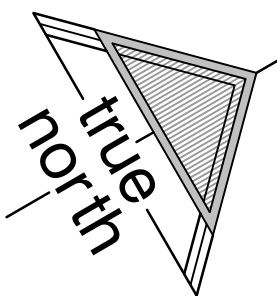
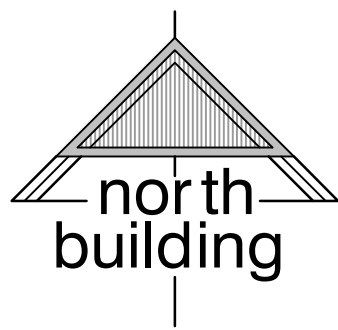
WATER PLAN

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



WASTE & VENT PLAN

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



REFER TO ENLARGED PLUMBING SITE PLAN ON THIS SHEET FOR CONTINUATION.

4"COTG, 2-WAY. REFER TO DETAIL B/P3.0. (TYP.)

I.E. = 860.50
REFER TO STRUCTURAL DETAILS FOR PIPE THRU FOOTING. (TYP.)

KEYNOTES: (THIS SHEET ONLY)

- 1 2"W, 1-1/2"V, AND 1/2"CW TRAP PRIMER LINE FOR FLOOR DRAIN.
- 2 4"S, 2"V, AND 1-1/2"CW FOR WATER CLOSET.
- 3 2"W WITH WCO, 1-1/2"V, 1/2"CW, AND 1/2"HW FOR SINK/LAVATORY.
- 4 3"W, 2"V, AND 1/2"CW TRAP PRIMER LINE FOR FLOOR SINK.
- 5 2"W, 2"V, AND 1/2"CW TRAP PRIMER LINE FOR FLOOR SINK.
- 6 1/2"CW DOWN IN WALL FOR TRAP PRIMER. ROUTE TRAP PRIMER LINES BELOW FLOOR TO FLOOR DRAINS/SINKS.
- 7 2"W WITH WCO, 1-1/2"V, AND 3/4"CW FOR URINAL.
- 8 3"W, 2"V, 1/2"CW, AND 1/2"HW FOR MOP SINK.

ST-1, 3-COMPARTMENT SINK DRAIN INDIRECTLY INTO FLOOR SINK.

DF-1, 2"W WITH WCO AND 2"VR. REFER TO DETAIL E/P3.0 FOR MOUNTING. (TYP.)

BLDG. "M"

BLDG. "L"

BLDG. "O"

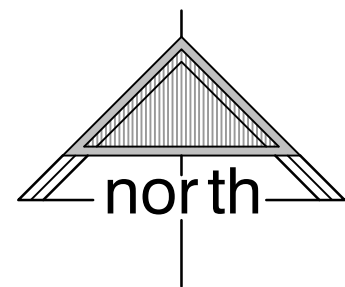
(E) GREASE WASTE LINE.

4"S DOWN ALONG STEEP SLOPED GRADE. BURY WITH 24" COVER MIN.

FOR PLUMBING IN THIS AREA, REFER TO WATER, WASTE, & VENT PLANS ON THIS SHEET.

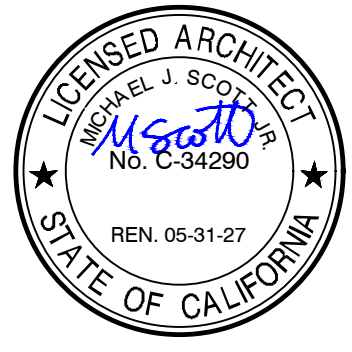
ENLARGED PLUMBING SITE PLAN

SCALE: 1" = 20'-0"



LAWRENCE
ENGINEERING GROUP

4910 E. Clinton Way, Suite 101 Fresno, CA 93727
(559) 431-0101 26017 FAX (559) 431-1342



DATE: MARCH 31, 2026

**NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL**

41932 SIERRA DR., THREE RIVERS, CA 93271

THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

REVISIONS

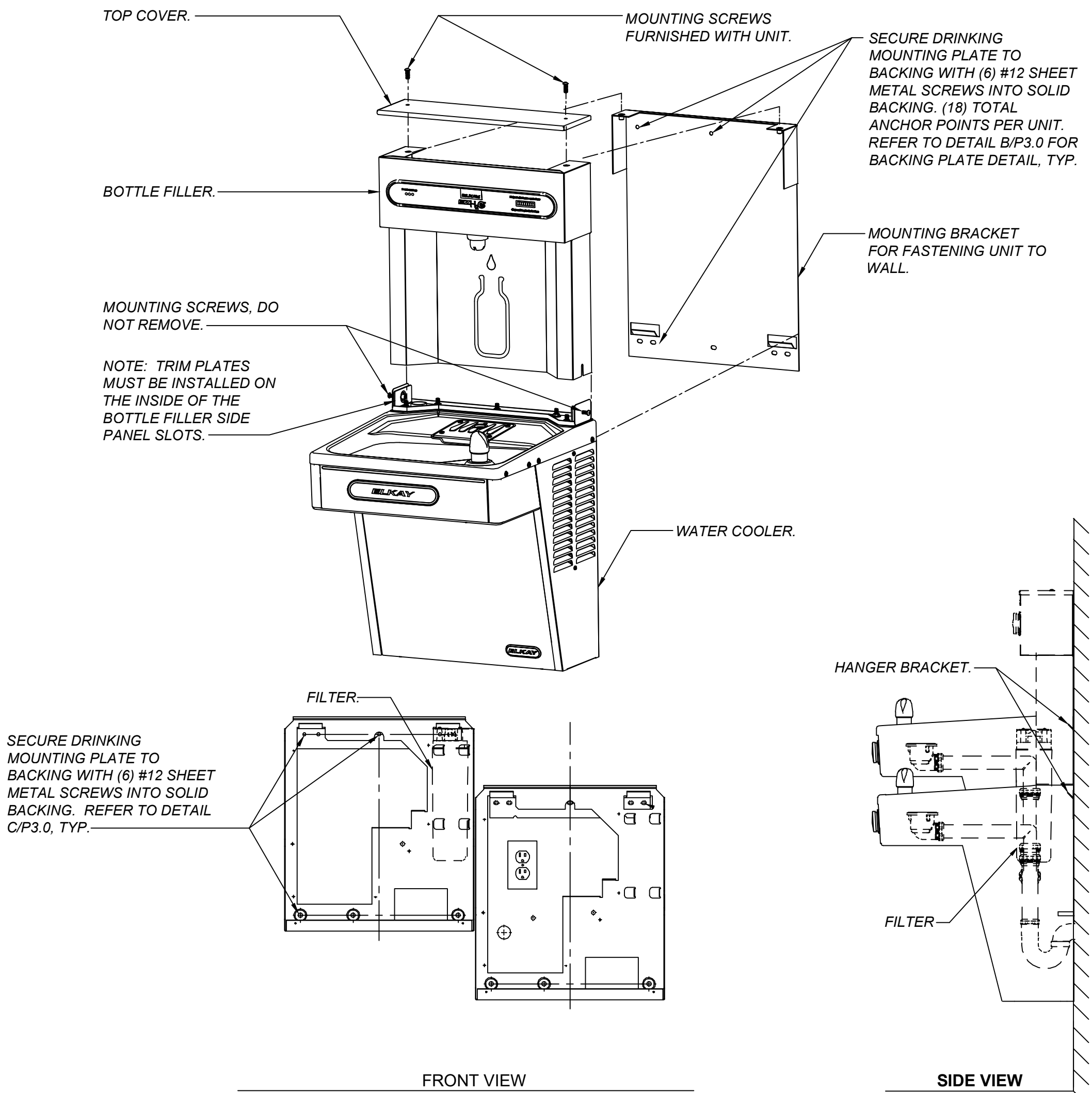
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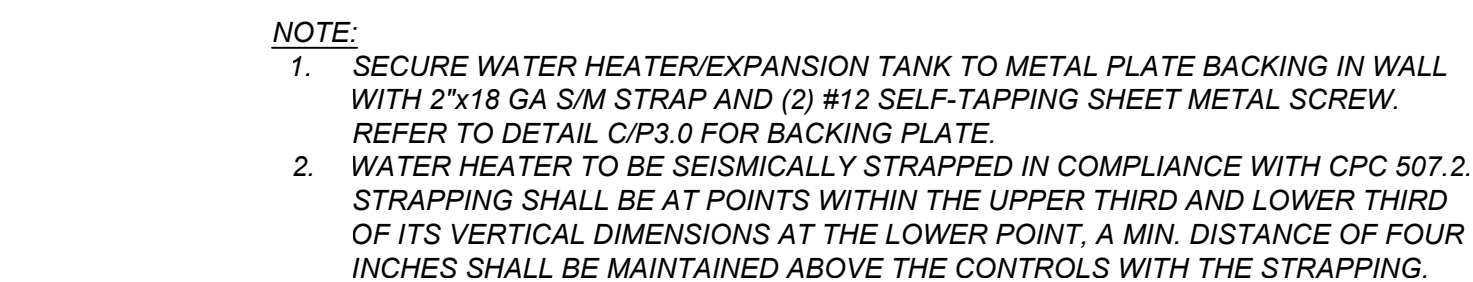
TITLE
PLUMBING PLAN

P2.0

PROJECT 25057

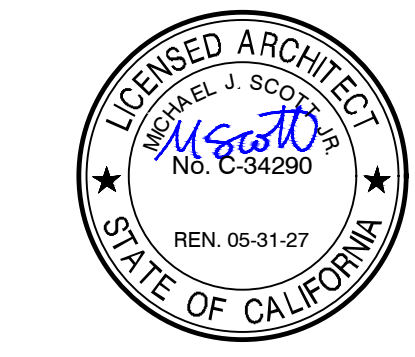


SCALE: NONE



SCALE: NONE





DATE: MARCH 31, 2026

**NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
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41932 SIERRA DR., THREE RIVERS, CA 93271

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REVISIONS							
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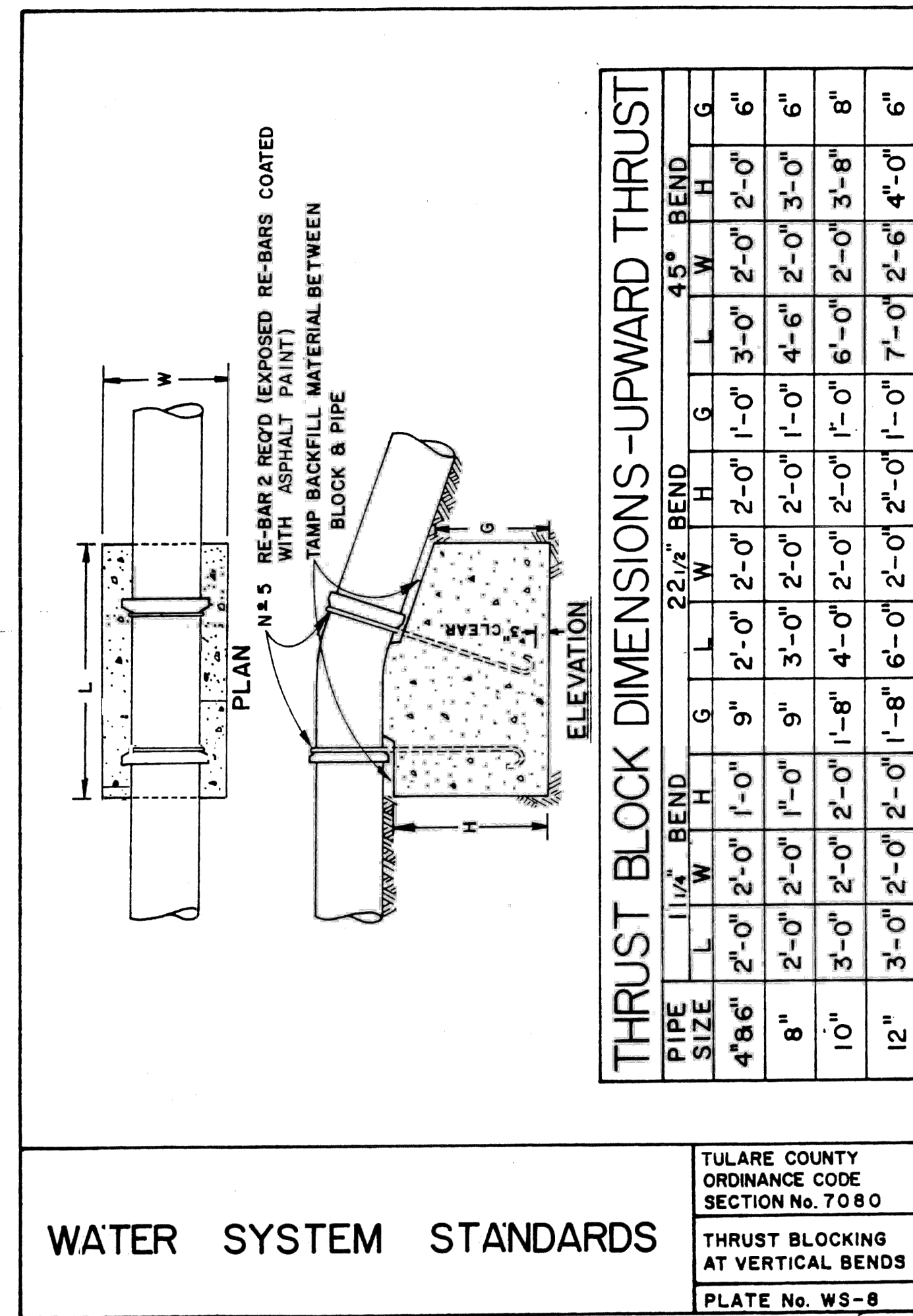
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4320 West Mineral King Avenue
Visalia, California 93291

TITLE
PLUMBING DETAILS

P3.1

PROJECT 25057

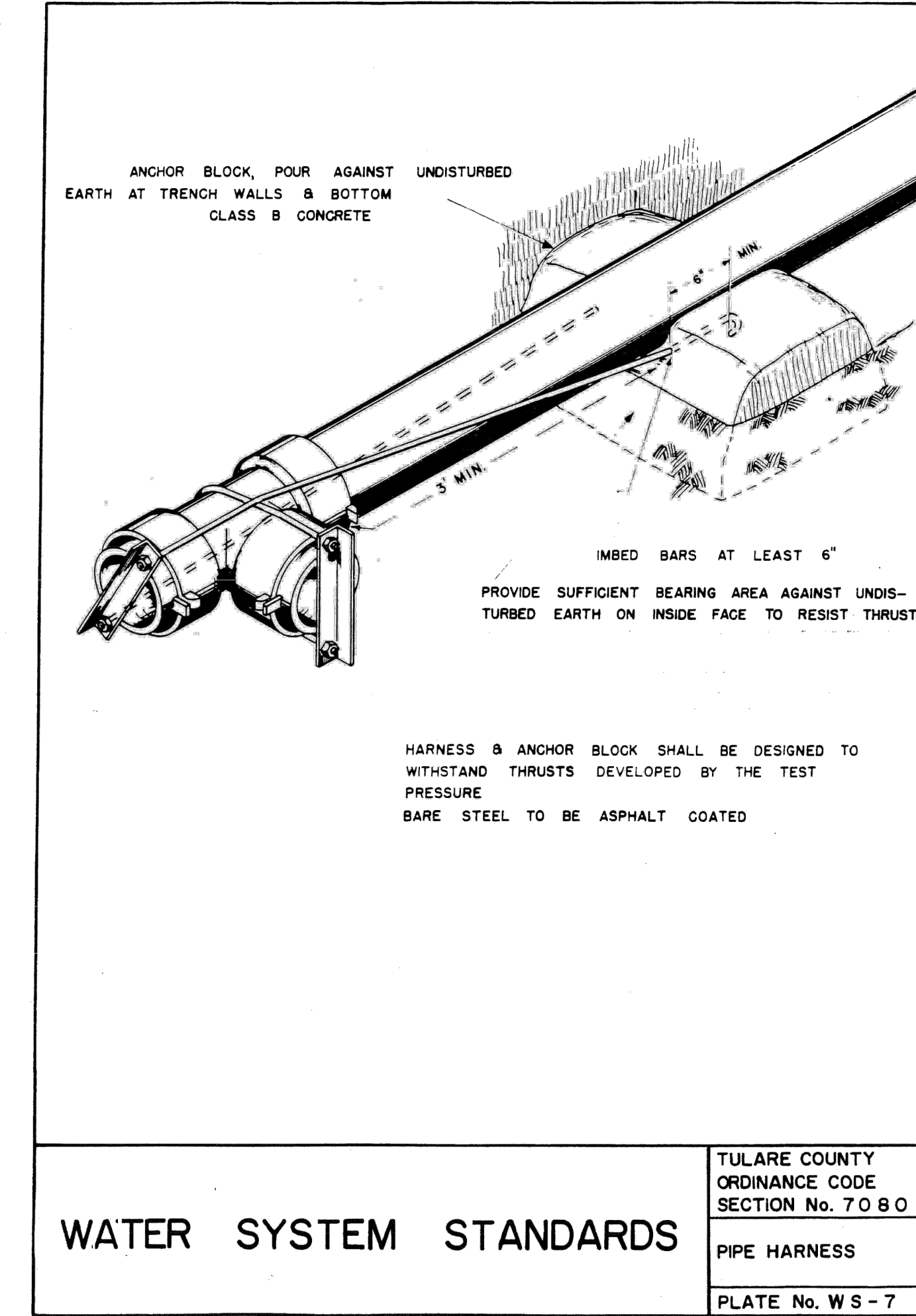


THRUST BLOCKING DETAIL

		REQUIRED BEARING AREA — TOTAL SQUARE FEET				
TYPE OF FITTING	90° BEND	45° BEND	11 1/4" OR 22 1/2" BEND	TEE OR DEAD END	TEE w/ PLUG	CROSS w/ PLUG
TYPICAL INSTALLATION						
	4"	2	1	1	2	2
PIPE	6"	4	2	1	3	4
OF	8"	7	4	2	5	7
SIZE	10"	12	6	3	8	12
	12"	16	10	5	12	16

NOTES: (1) THRUST BLOCKS TO BE CONSTRUCTED OF CLASS "B" CONCRETE
 (2) AREAS GIVEN ARE FOR CLASS 150 PIPE AT PRESSURE OF 150 PS.I. IN SOIL WITH 2000 PSF. BEARING CAPACITY.
 INSTALLATIONS USING DIFFERENT PIPE, TEST PRESSURES, AND/OR SOIL TYPES SHOULD ADJUST AREAS ACCORDINGLY, SUBJECT TO APPROVAL OF ENGINEER.
 (3) BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL.
 (4) JOINTS AND FACE OF PLUG TO BE KEPT CLEAR OF CONCRETE.
 (5) MINIMUM THICKNESS OF THRUST BLOCKS TO BE 6 INCHES.

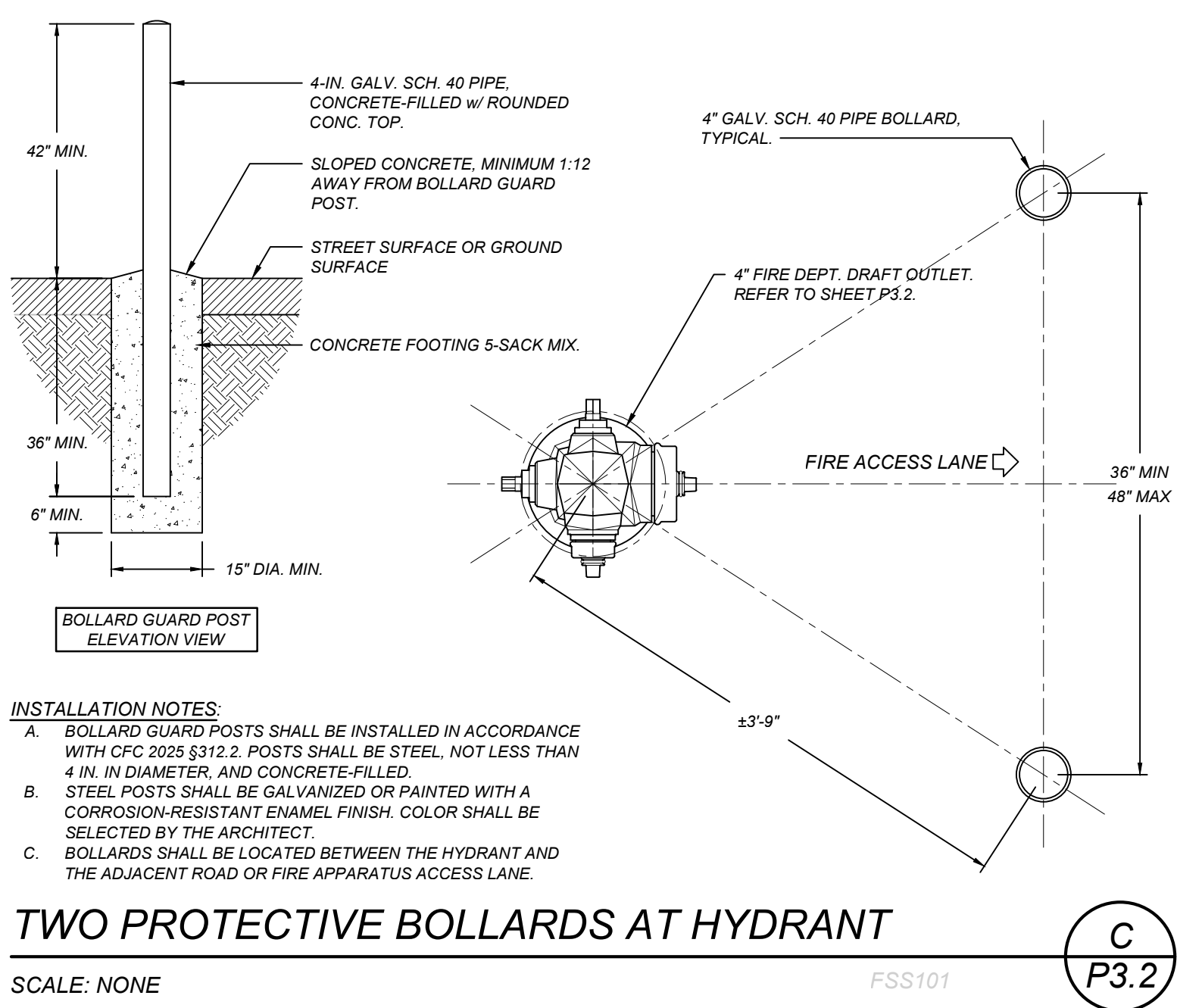
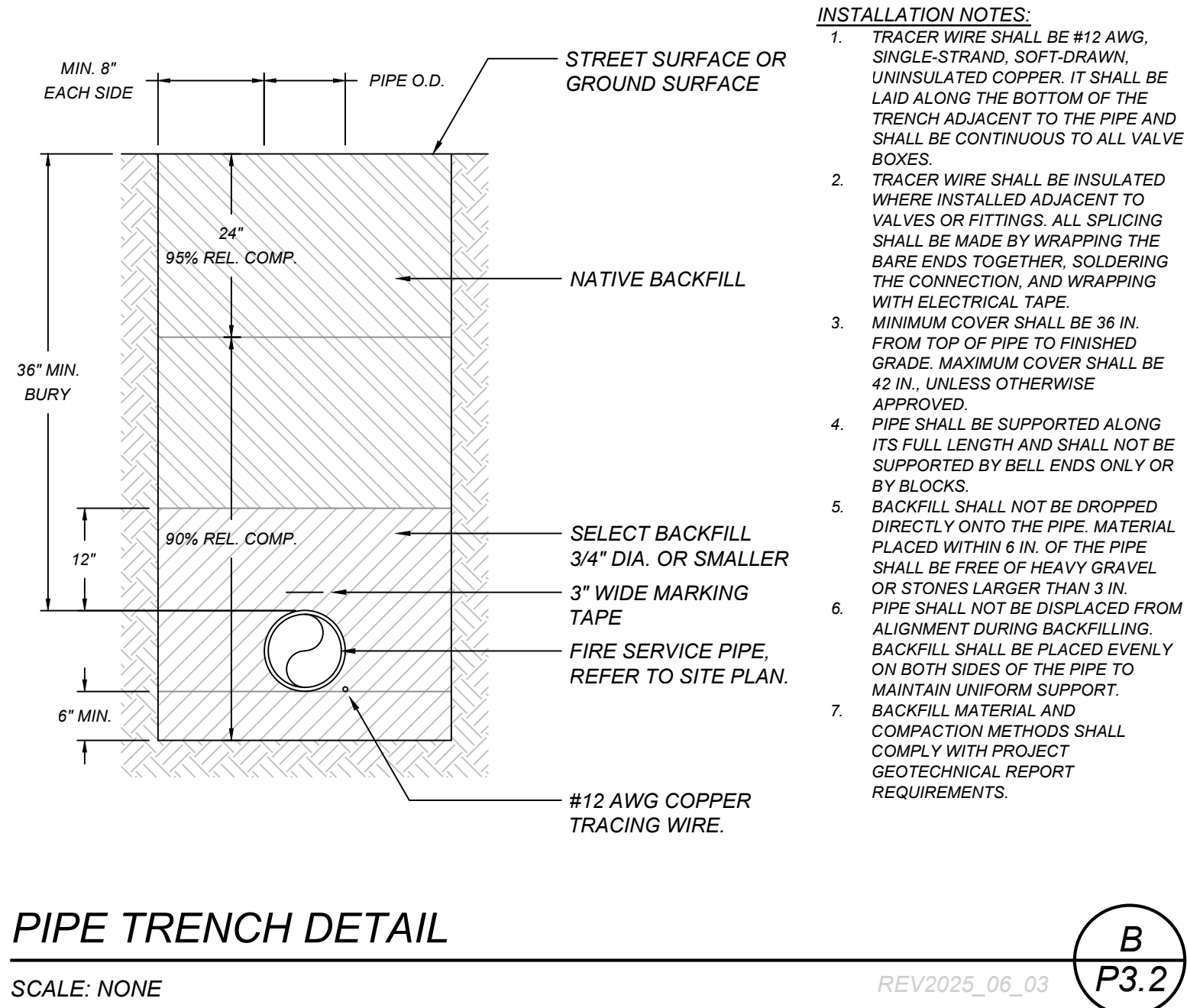
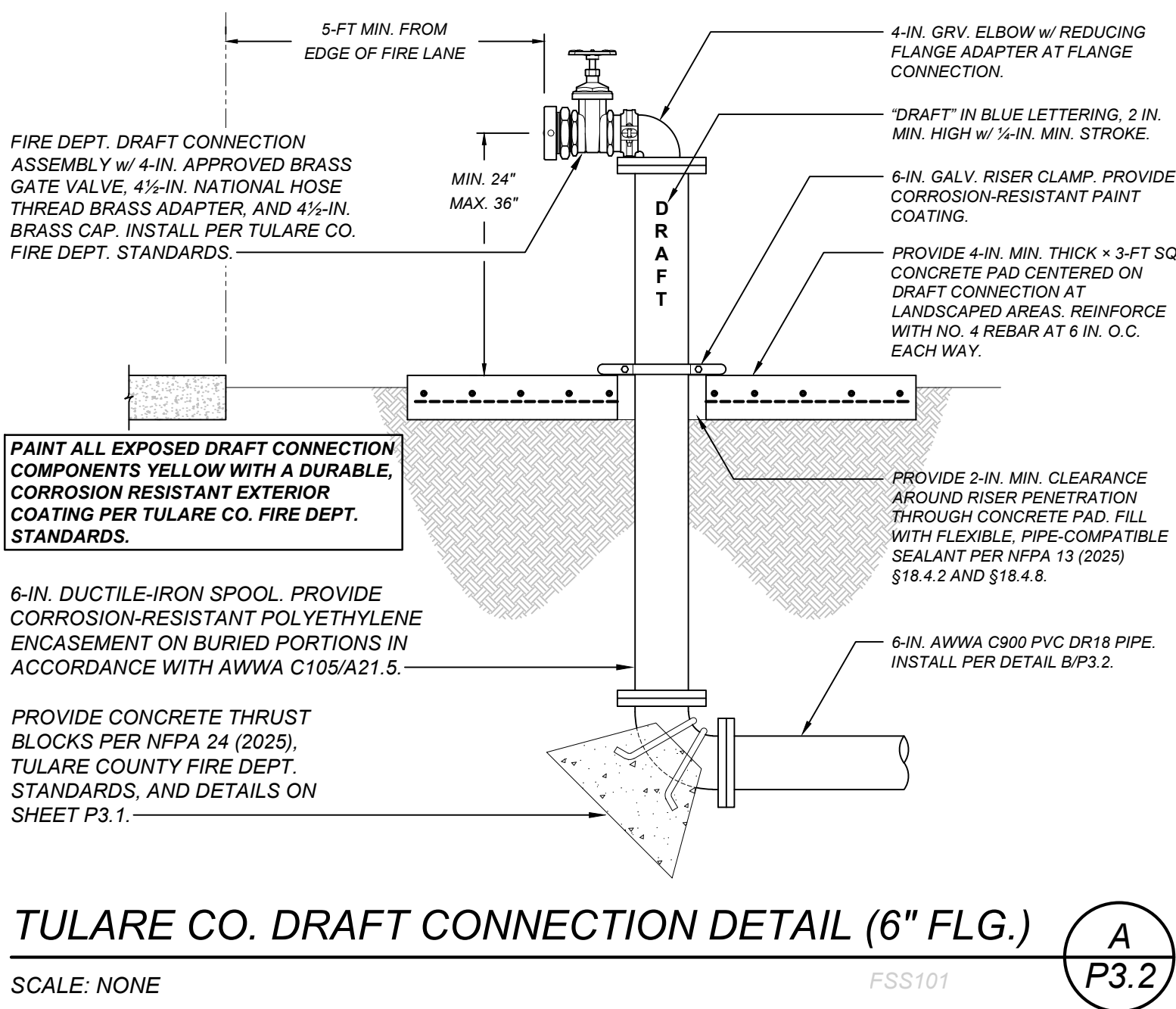
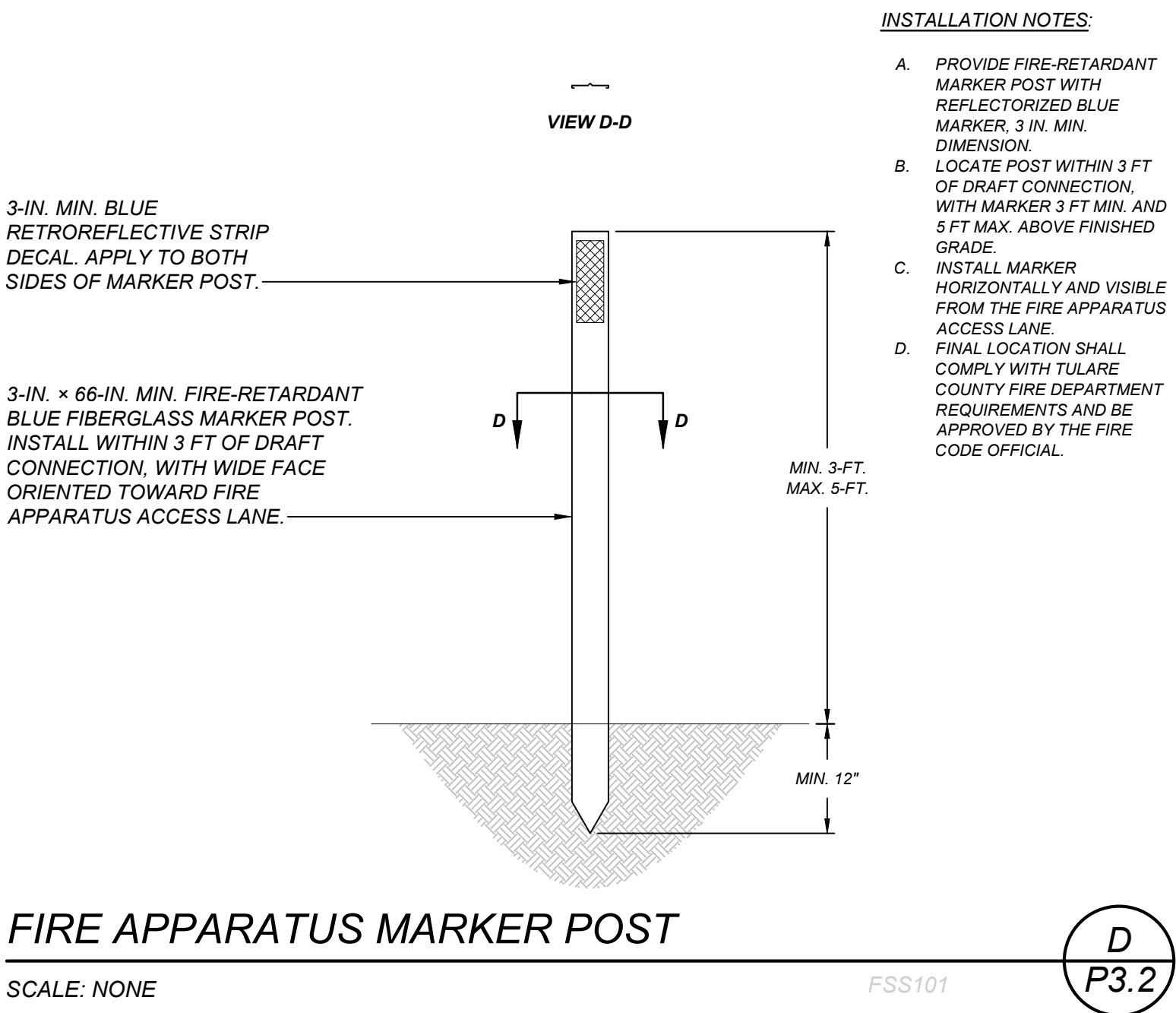
WATER SYSTEM STANDARDS	TULARE COUNTY ORDINANCE CODE SECTION NO. 7080
	THRUST BLOCK BEARING AREA REQUIREMENTS
	PLATE NO. WS-6



detail #

The logo of the American Psychological Association (APA) is a circular emblem. It features a horizontal line passing through the center. Above the line is the letter 'A' and below the line is the text 'P3.1'.

31 August 2026 11:00 AM P:\2026\26017 New Snack Bar & Athletics Storage BLDG. at Three Rivers ES\4-Drawings\5 P\3.0-P3.2 - PLUMBING DETAILS.dwg Aug 31 2026 11:00am

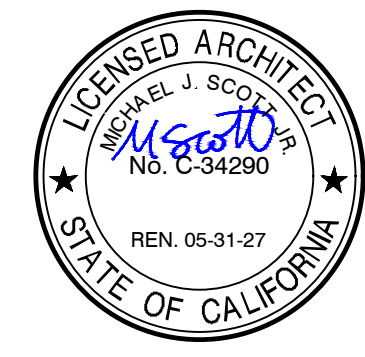


TULARE COUNTY FIRE-WATER STORAGE AND DRAFT CONNECTION NOTES

- EXISTING 21,000-GAL. FIRE-SUPPRESSION WATER STORAGE TANK TO REMAIN. NO TANK ADDITION, CAPACITY INCREASE, FOUNDATION WORK, OR INTERNAL TANK MODIFICATIONS ARE INCLUDED IN THIS SCOPE.
- EXISTING TANK FOUNDATION, REFILL SYSTEM, VENT, ACCESS HATCH, LADDER, LEVEL CONTROLS, AND INTERNAL PIPING ARE EXISTING TO REMAIN.
- NEW WORK IS LIMITED TO THE UNDERGROUND FIRE-WATER PIPING AND FIRE DEPARTMENT DRAFT CONNECTION PROVIDED FOR THE NEW BUILDING.
- PROVIDE DRAFT CONNECTION WITH 4-IN. FULL-PORT BRASS GATE VALVE, 4-IN. NPT x 4 1/2-IN. MALE NATIONAL HOSE THREAD BRASS ADAPTER, AND SECURED CAP.
- LOCATE DRAFT CONNECTION 40 FT MIN. AND 150 FT MAX. FROM THE NEW BUILDING, WITHIN 8 FT OF THE FIRE APPARATUS ACCESS ROAD.
- INSTALL DRAFT CONNECTION 24 IN. MIN. AND 36 IN. MAX. ABOVE FINISHED GRADE, FACING THE FIRE APPARATUS ACCESS ROAD.
- MAINTAIN 3 FT MIN. CLEARANCE AROUND THE DRAFT CONNECTION. PROVIDE VEHICLE-IMPACT PROTECTION WHERE REQUIRED BY TULARE COUNTY FIRE DEPARTMENT.
- PROVIDE 6-IN. MIN. AWWA C900 PVC UNDERGROUND FIRE-WATER PIPING, RATED FOR 150 PSI MIN. WORKING PRESSURE, WITH 36 IN. MIN. COVER AND TRACER WIRE.
- ALL PIPING, JOINTS, FITTINGS, VALVES, AND APPURTENANCES SHALL BE APPROVED FOR FIRE-PROTECTION SERVICE.
- PROVIDE CONCRETE THRUST BLOCKS AT BENDS AND CHANGES IN PIPE DIRECTION. LIMIT PIPING TO THREE 90-DEGREE ELBOWS MAX.
- SUPPORT THE DRAFT CONNECTION AND ABOVEGROUND PIPING IN AN APPROVED MANNER.
- HYDROSTATICALLY TEST NEW UNDERGROUND PIPING AT 50 PSI MIN. FOR 2 HOURS IN THE PRESENCE OF TULARE COUNTY FIRE DEPARTMENT. KEEP JOINTS EXPOSED DURING TESTING.
- FLUSH NEW PIPING. OPERATE ALL NEW VALVES THROUGH THEIR FULL RANGE UNDER SYSTEM PRESSURE, AND PROVIDE THE CONTRACTOR'S MATERIAL AND TEST CERTIFICATE.
- COORDINATE REQUIRED INSPECTIONS AND FINAL ACCEPTANCE WITH TULARE COUNTY FIRE DEPARTMENT.

SITE FIRE PROTECTION NOTES

- UNDERGROUND FIRE SERVICE PIPING INSTALLATION SHALL COMPLY WITH THE CALIFORNIA-AMENDED EDITIONS OF NFPA 24 (2025), AND NFPA 13 (2025) WHERE APPLICABLE TO SYSTEM INTERFACE, THE 2025 CALIFORNIA BUILDING CODE (CBC), THE 2025 CALIFORNIA FIRE CODE (CFC), DIVISION OF THE STATE ARCHITECT (DSA) REQUIREMENTS, AND TULARE CO. FIRE DEPT. REQUIREMENTS.
- UNDERGROUND FIRE SERVICE PIPING SHALL BE AWWA C900 PVC, DR 18, PRESSURE CLASS 235 PSI, UNLESS OTHERWISE NOTED. FITTINGS, COUPLINGS, JOINTS, AND RESTRAINT SHALL BE COMPATIBLE WITH THE SPECIFIED PIPING AND INSTALLED IN ACCORDANCE WITH NFPA 24, MANUFACTURER'S INSTALLATION REQUIREMENTS, AND THE APPLICABLE TRENCH DETAIL.
- THE UNDERGROUND FIRE PIPING INSTALLATION CONTRACTOR SHALL COORDINATE THE WORK WITH THE CIVIL, LANDSCAPE, SITE PLUMBING, SITE ELECTRICAL, AND MECHANICAL DRAWINGS PRIOR TO INSTALLATION.
- IN THE EVENT OF A CONFLICT BETWEEN THE CIVIL SITE DRAWINGS AND THE SITE FIRE PROTECTION DRAWINGS, THE CIVIL SITE DRAWINGS SHALL GOVERN WITH RESPECT TO SITE GRADES, UTILITY LOCATIONS, AND HORIZONTAL ALIGNMENT.
- THE FINAL LOCATION OF THE FIRE DEPARTMENT DRAFT CONNECTION / HOSE OUTLET SHALL BE SUBJECT TO APPROVAL BY THE TULARE CO. FIRE DEPT. CONNECTION OUTLET, VALVE, AND ASSOCIATED APPURTENANCES SHALL BE PROVIDED IN ACCORDANCE WITH TULARE CO. FIRE DEPT. REQUIREMENTS.
- SITE FIRE PROTECTION WORK, INCLUDING UNDERGROUND FIRE SERVICE PIPING, THRUST BLOCKING, HYDRANTS, FIRE DEPARTMENT CONNECTIONS (FDCs), POST INDICATOR VALVES (PIVs), AND ASSOCIATED ALARM SUPERVISORY DEVICES, SHALL BE INCLUDED IN THE CONTRACTOR'S SHOP DRAWINGS AND SUBMITTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND GENERAL / ADMINISTRATIVE NOTES.
- ALL UNDERGROUND PIPE LENGTHS SHOWN ON THE PLANS REPRESENT TOTAL CENTER-TO-CENTER LENGTHS. PIPE FITTINGS HAVE NOT BEEN DEDUCTED.
- NON-METALLIC UNDERGROUND FIRE SERVICE PIPING SHALL BE PROVIDED WITH MAGNETIC LOCATOR TAPE INSTALLED CONTINUOUSLY ABOVE THE PIPE.
- EXISTING UNDERGROUND UTILITIES AND SITE IMPROVEMENTS ARE SHOWN APPROXIMATELY AND ARE BASED ON AVAILABLE RECORD INFORMATION AT THE TIME OF PLAN PREPARATION. SUBSURFACE CONDITIONS HAVE NOT BEEN INTRUSIVELY VERIFIED.
- THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) BY DIALING 8-1-1 AND ALL APPLICABLE UTILITY PROVIDERS A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, VERIFYING, PROTECTING, AND COORDINATING AROUND ALL EXISTING UNDERGROUND UTILITIES, INCLUDING PRIVATE UTILITIES NOT IDENTIFIED BY 8-1-1. GROUND PENETRATING RADAR (GPR) AND OTHER APPROPRIATE METHODS SHALL BE UTILIZED AS NECESSARY TO VERIFY THE LOCATION OF BOTH METALLIC AND NON-METALLIC UTILITIES. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD OF ANY CONFLICTS OR DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY COSTS, DAMAGES, OR DELAYS RESULTING FROM FAILURE TO PERFORM SUCH VERIFICATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE CONSIDERED INCLUDED IN THE CONTRACT PRICE.
- INSTALLATION, FLUSHING, AND HYDROSTATIC TESTING OF UNDERGROUND FIRE SERVICE PIPING SHALL BE PERFORMED IN ACCORDANCE WITH THE CALIFORNIA-AMENDED EDITION OF NFPA 24 AND SHALL BE COMPLETED PRIOR TO CONNECTION TO THE ABOVEGROUND FIRE SPRINKLER SYSTEM.
- UNDERGROUND FIRE SERVICE PIPING SHALL REMAIN ACCESSIBLE FOR REQUIRED INSPECTION AND TESTING UNTIL ACCEPTED BY THE DIVISION OF THE STATE ARCHITECT (DSA) AND THE INSPECTOR OF RECORD (IOR).



DATE: MARCH 31, 2026

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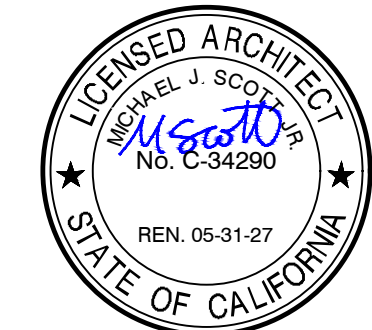
TITLE
DRAFT HYDRANT
NOTES AND DETAILS

P3.2
PROJECT 25057

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE						
MARK	FIXTURE	CONNECTION SIZES				DESCRIPTION
		S or W	V	CW	HW	
<u>FS-1</u>	FLOOR SINK	4"	2"	-	-	JAY R. SMITH #3004-12C, (OR MIFAB OR ZURN EQUAL) 12"x12"x10" DEEP WITH 14 GAUGE STAINLESS STEEL WITH FLASHING CLAMP, STAINLESS STEEL DOME BOTTOM STRAINER AND STAINLESS STEEL GRATE WITH CENTER HOLE. SEE DWGS. FOR SIZE. INSTALL FLUSH WITH FINISH FLOOR. PROVIDE TRAP PRIMER CONNECTION AND CONNECT TRAP PRIMER LINE.
<u>FS-2</u>	FLOOR SINK	-	-	-	-	JAY R. SMITH #3140-12, (OR MIFAB OR ZURN EQUAL) 12"x12"x6"DEEP WITH ANCHOR FLANGE, DOME BOTTOM STRAINER & NICKEL BRONZE RIM WITH HALF GRATE. SEE DWGS. FOR SIZE. INSTALL FLUSH WITH FINISH FLOOR. PROVIDE TRAP PRIMER CONNECTION AND CONNECT TRAP PRIMER LINE.
<u>FS-3</u>	FLOOR SINK	-	-	-	-	JAY R. SMITH #3100-12, (OR MIFAB OR ZURN EQUAL) 8-1/2"x8-1/2"x8" DEEP WITH ANCHOR FLANGE, DOME BOTTOM STRAINER & NICKEL BRONZE RIM WITH HALF GRATE. SEE DWGS. FOR SIZE. INSTALL FLUSH WITH FINISH FLOOR. PROVIDE TRAP PRIMER CONNECTION AND CONNECT TRAP PRIMER LINE.
<u>SA-1</u>	SHOCK ABSORBER	-	-	1"	-	JAY R. SMITH #5010, (OR ZURN EQUAL) STAINLESS STEEL CONSTRUCTION, P.D.I. SYMBOL "B" FOR UP TO 32 FIXTURE UNITS. INSTALL IN UPWARD POSITION.
<u>TP-1</u>	TRAP PRIMER	-	-	1/2"	-	PRECISION PLUMBING PRODUCTS MODEL #P1-500 (OR MIFAB EQUAL) VALVE W/ DISTRIBUTION UNITS AS REQUIRED FOR UP TO 4 DRAINS PER DISTRIBUTION UNIT.
<u>ST-1</u>	SINK TRIM	2"	-	1/2"	1/2"	THREE JUST #J-35LAC-2 TWIST HANDLE DRAINS WITH REMOVABLE STRAINER, AND CHICAGO "ECAST" #540-LDL12E35XKABCP (OR T&S BRASS OR ZURN EQUAL) BACKSPLASH MOUNT FAUCET WITH ADJUSTABLE ARMS FOR 7-1/4"-8-3/4" CENTERS, 12" L-TYPE SWING SPOUT, 1.5 GPM SOFTFLOW AERATOR, VANDAL-PROOF, AND CERAMIC 1/4 TURN OPERATING CARTIDGES.
<u>MS-1</u>	SERVICE SINK	3"	2"	1/2"	1/2"	KOHLER "WHITBY" #K-6710, 28"x28" CORNER STYLE ENAMELED CAST IRON MOP SINK WITH #K-8940 RIM GUARD, #K-9148 DRAIN, CHICAGO #897-CCP (OR T&S BRASS OR ZURN EQUAL) WALL MOUNT POLISHED CHROME FAUCET WITH VACUUM BREAKER, INTEGRAL CHECK VALVES IN SUPPLY ARMS, STOPS AND WALL BRACE, FLORESTONE #MR-370 60" HOSE WITH WALL BRACKET AND #MR-372 MOP HANGER.

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE						
MARK	FIXTURE	CONNECTION SIZES				DESCRIPTION
		S or W	V	CW	HW	
<u>S-1</u> 	SINK (MANUAL)	2"	2"	1/2"	1/2"	JUST #A-33338-J , (OR ELKAY EQUAL) WALL-HUNG HANDWASH SINK WITH BACKSPLASH AND WALL BRACKET, 22"x19"x5-1/2" DEEP, 18 GAUGE STAINLESS STEEL. MATCH HOLE PUNCHES WITH FAUCET. NSF, ASME A112.19.3. CBC ACCESS COMPLIANT. JUST #J-15-FS GRID DRAIN WITH REMOVABLE STRAINER. CHICAGO #895-317GN2AE72ABCP (OR T&S BRASS EQUAL) 5-1/4" RIGID/SWING GOOSENECK FAUCET WITH NON-AERATING LAMINAR 0.5 GPM FLOW OUTLET, 4" WRIST BLADE HANDLES, 4" FIXED CENTERS. (2) LOOSE KEY COMPRESSION ANGLED WALL STOPS WITH SUPPLIES, 17 GAUGE. C.P. P-TRAP/TAILOPIECE WITH ESCUTCHEON, WRAP C.W., H.W. AND TRAP/TAILOPIECE PER SPECIFICATIONS. PROVIDE A STEEL SUPPORT PLATE FOR MOUNTING FIXTURE PER DETAIL C/P3.01. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
<u>WH-1</u>	WATER HEATER	-	-	3/4"	3/4"	BRADFORD WHITE #E32-80R-3, (OR AO SMITH EQUAL) 24"Øx60" HIGH; 80 GALLON STORAGE CAPACITY, 74 GPH RECOVERY RATE AT 100° F. TEMP. RISE, 13,500 WATTS, 208V/3Ø, 3/4"P&T RELIEF VALVE. OPERATING WEIGHT = 860 LBS.
<u>MV-1</u>	MIXING VALVE	-	-	1/2"	1/2"	LEONARD #270-LF THERMOSTATIC MIXING VALVE, 0.25 GPM MINIMUM FLOW, ASSE 1070 CERTIFIED. SET MIXED WATER TEMPERATURE TO 108°F.
<u>TET-1</u>	THERMAL EXPANSION TANK	-	-	3/4"	-	WESSELS TTA-5, 3.5 GALLON ASME RATED TANK, 2.3 GALLON ACCEPTANCE WITH INLINE CONNECTIONS AND WITH FDA APPROVED BLADDER FOR POTABLE WATER USE. OPERATING WEIGHT = 52 LBS.
<u>DF-1</u> 	DRINKING FOUNTAIN	2"	1-1/2"	1/2"	-	ELKAY #VRCTLDDMWSK VANDAL RESISTANT BOTTLE FILLING STATION AND BI-LEVEL DRINKING FOUNTAIN, NON-FILTERED, NON-REFRIGERATED, MECHANICAL BOTTLE FILLER ACTIVATION, MECHANICAL FRONT BUBBLER ACTIVATION, RATED FOR INDOOR & OUTDOOR INSTALLATIONS. PROVIDE A STEEL SUPPORT PLATE FOR MOUNTING FIXTURE PER DETAIL C/P3.01. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
<u>HB-1</u>	HOSE BIBB	-	-	3/4"	-	WOODFORD #24P ROUGH BRONZE WALL HOSE VALVE WITH LOCKSHIELD, NON-REMOVABLE VACUUM BREAKER, & OPTIONAL LOOSE TEE KEY HANDLE.
<u>HB-2</u>	HOSE BIBB	-	-	3/4"	-	WOODFORD #Y24 (OR MIFAB EQUAL) ROUGH BRONZE STANDPIPE HOSE VALVE WITH NON-REMOVABLE VACUUM BREAKER, AND OPTIONAL LOOSE TEE KEY HANDLE WITH MODEL 34HD.
<u>SB-1</u>	SUPPLY BOX	-	-	1/2"	-	SPECIALTY PRODUCTS #OB-509, METAL RECESSED REFRIGERATOR WATER SUPPLY BOX WITH WHITE FINISH, INTEGRAL SHUT-OFF VALVE AND MINI-WATER HAMMER ARRESTER.

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE						
MARK	FIXTURE	CONNECTION SIZES				DESCRIPTION
		S or W	V	CW	HW	
<u>WC-1</u> 	WATER CLOSET (MANUAL)	4"	2"	1"	-	KOHLER #K-96057 "HIGHCLIFF ULTRA" , ELONGATED BOWL, FLOOR MOUNT, 1.28 GPF, CBC ACCESS COMPLIANT. SLOAN "ROYAL" #111-1.28 GPF, CODE #3910168 , POLISHED CHROME FINISH, FIXTURE CONNECTION TOP SPUD, SINGLE FLUSH, EXPOSED MANUAL WATER CLOSET DIAPHRAGM FLUSH VALVE, MOUNT FLUSH VALVE WITH HANDLE POINTED TOWARDS WIDE SIDE OF STALL OR ROOM. BEMIS #1655SSCT (OR CHURCH EQUAL) COMMERCIAL EXTRA HEAVY-DUTY PLASTIC WHITE TOILET SEAT, OPEN-FRONT LESS COVER, SELF-SUSTAINING CHECK HINGES, WITH STA-TITE FASTENING SYSTEM. 17.9" FROM FINISHED FLOOR TO TOP OF SEAT.
<u>L-1</u> 	LAVATORY (MANUAL)	2"	2"	1/2"	1/2"	KOHLER WALL-MOUNT "KINGSTON" #K-2005 , CBC ACCESS COMPLIANT, 21-1/4"x18-1/8", VIT. CHINA WITH 4" CENTER FAUCET HOLES. CHICAGO FAUCETS #3600-E2805AB SELF CLOSING METERING FAUCET WITH ADJUSTABLE TEMPERATURE MIXER, 0.5 GPM VANDAL RESISTANT 0.5 GPM NON-AERATING LAMINAR SPRAY OUTLET, 4" FIXED CENTERS. McGUIRE #155A GRID DRAIN. SUPPLIES FROM ANGLE STOPS TO FIXTURE SHALL BE RIGID TUBING. ADJUST FAUCET TO STAY OPEN FOR 10-15 SECONDS. JAY R. SMITH #0723 CONCEALED ARMS, AND A STEEL SUPPORT PLATE FOR MOUNTING FIXTURE PER DETAIL D/P3.01. (2) LOOSE KEY COMPRESSION ANGLED WALL STOPS WITH SUPPLIES, 17 GA. C.P. P-TRAP/TAILOPIECE WITH ESCUTCHEON, WRAP CW, HW, AND TRAP/TAILOPIECE PER SPECIFICATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
<u>U-1</u> 	URINAL	2"	1-1/2"	3/4"	-	KOHLER "DEXTER" #K-5452-ET, (OR AMERICAN STANDARD OR ZURN EQUAL) CBC ACCESS COMPLIANT, VIT. CHINA, 0.125 GPF, WASHOUT STYLE URINAL. SLOAN "ROYAL" #186-0.125-CP (OR ZURN EQUAL) MANUAL FLUSH VALVE, POLISHED CHROME FINISH, 0.125 GPF. PROVIDE STEEL SUPPORT PLATE FOR MOUNTING FIXTURE PER DETAIL DMP3. SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
<u>FD-1</u> 	FLOOR DRAIN	2"	1-1/2"	1/2"	-	JAY R. SMITH #2005-P050-HP (OR MIFAB OR ZURN EQUAL) DUCO CAST IRON BODY WITH 5" SQUARE NICKEL BRONZE STRAINER, PROVIDE TRAP PRIMER CONNECTION AND CONNECT TRAP PRIMER LINE.



DATE: MARCH 31, 2026

**NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL**
41932 SIERRA DR., THREE RIVERS, CA 93271
THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

REVISIONS				

ARCHITECTURE
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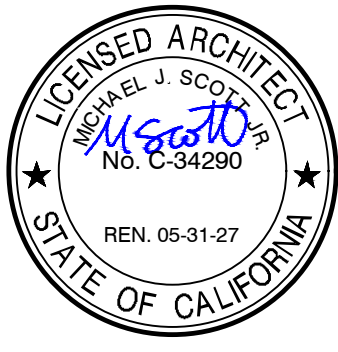
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TITLE
PLUMBING
SCHEDULES

P4.0

PROJECT 25057



DATE: MARCH 31, 2026

**NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
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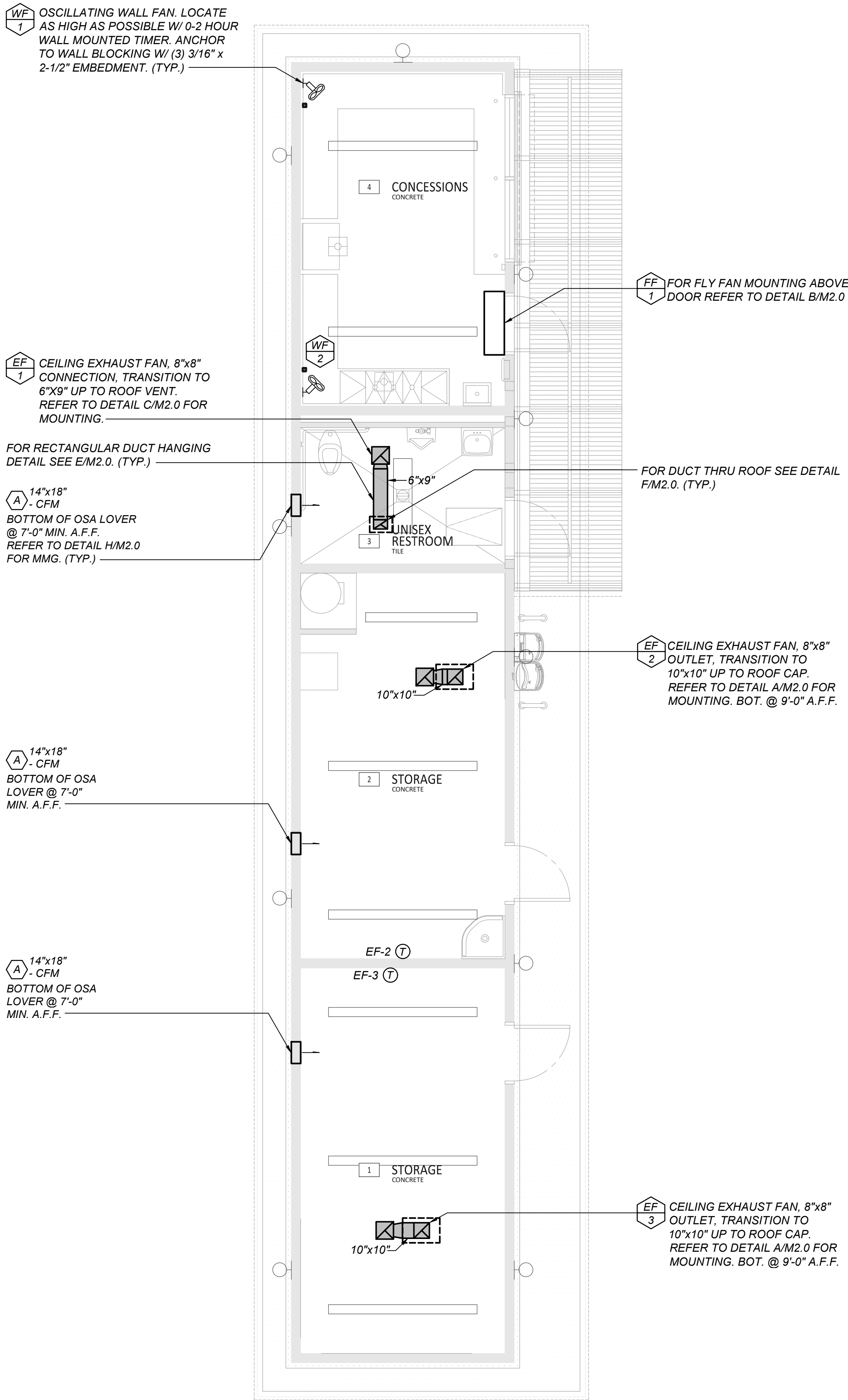
TITLE
**MECHANICAL
FLOOR PLAN**

M1.0

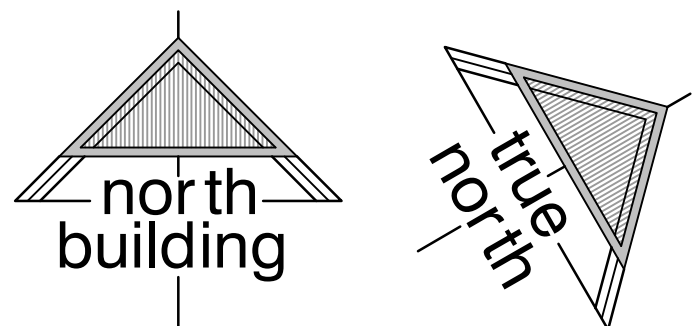
PROJECT **25057**



LAWRENCE
ENGINEERING GROUP
4910 E. Clinton Way, Suite 101
(559) 421-0101 26017 Fresno, CA 93227
FAX (559) 451-1342



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

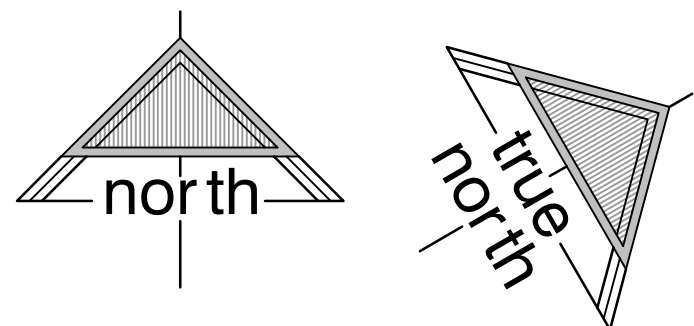


PITCHED ROOF CAP, MOUNTED
FLUSH TO ROOF, MANUFACTURED
BY GREENHECK, MODEL NUMBER
RJ - 6"x9" (TYP.)

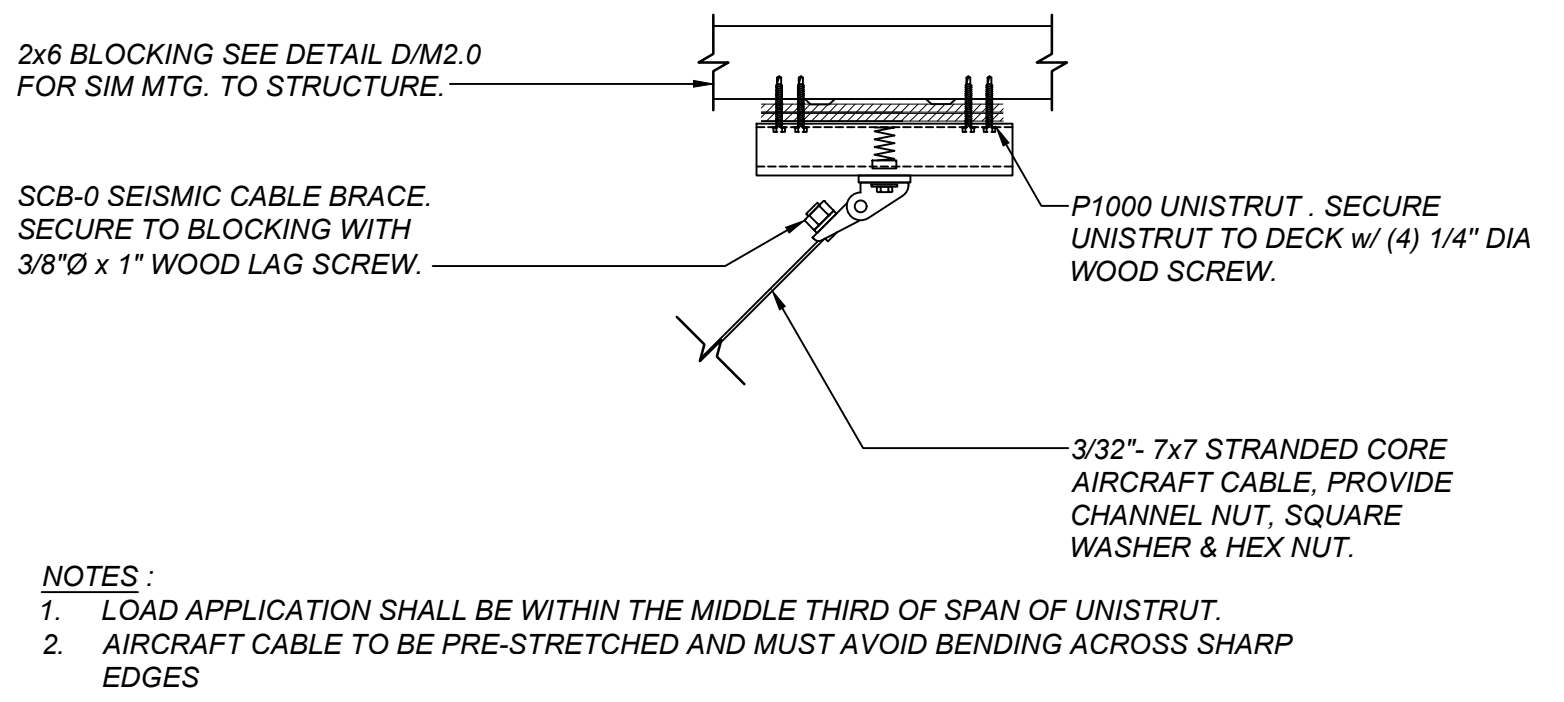
PITCHED ROOF CAP, MOUNTED
FLUSH TO ROOF, MANUFACTURED
BY GREENHECK, MODEL NUMBER
RJ - 10"x10" (TYP.)

PITCHED ROOF CAP, MOUNTED
FLUSH TO ROOF, MANUFACTURED
BY GREENHECK, MODEL NUMBER
RJ - 10"x10" (TYP.)

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



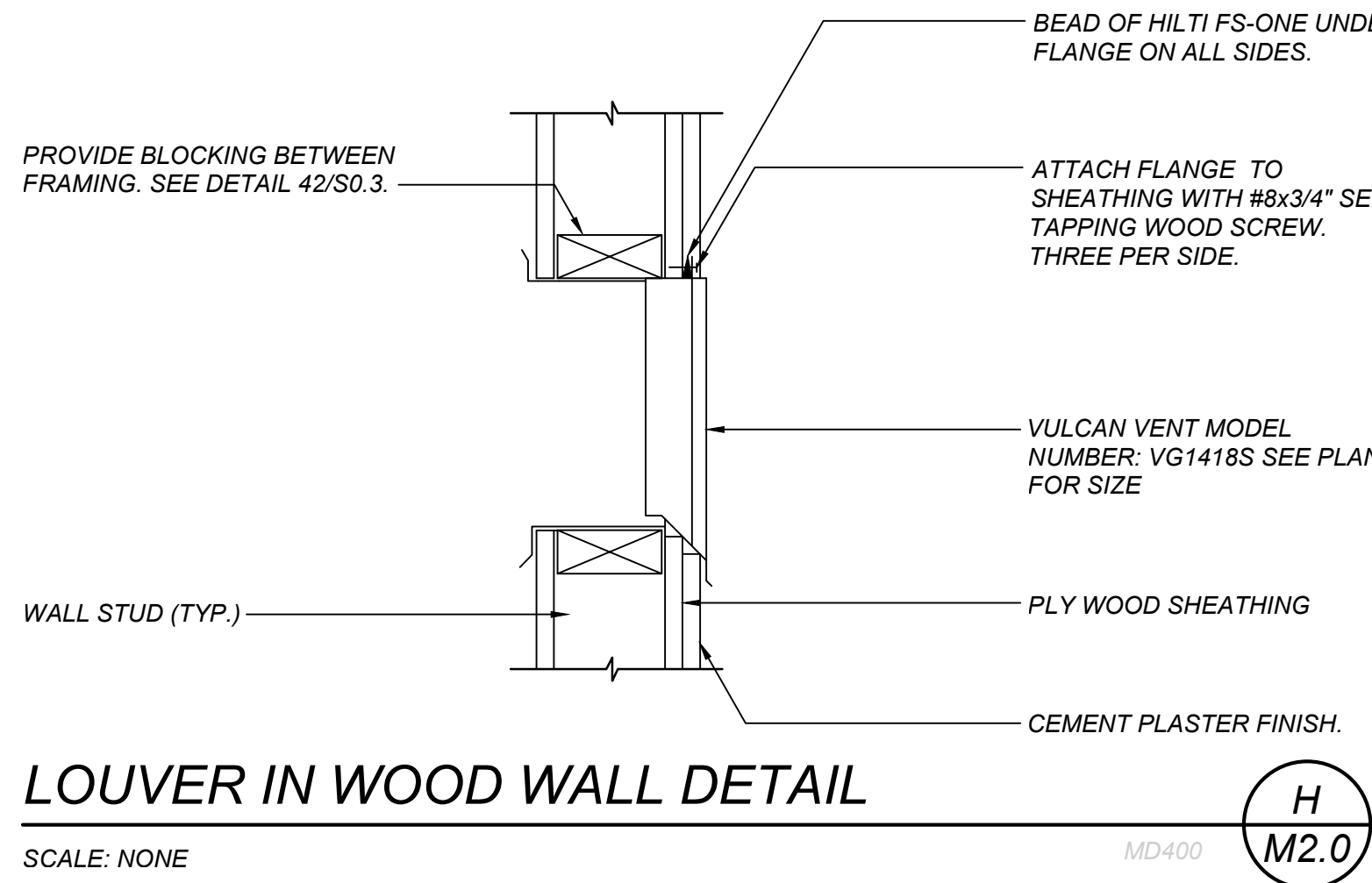
7 August 2026 9:30 AM P:\2026\26017 New Snack Bar & Athletics Storage BLDG. at Three Rivers ES\4-Drawings\4 M\2.0 - MECHANICAL DETAILS.dwg kyle yang



CABLE UPPER HANGER CONNECTION

SCALE: NONE

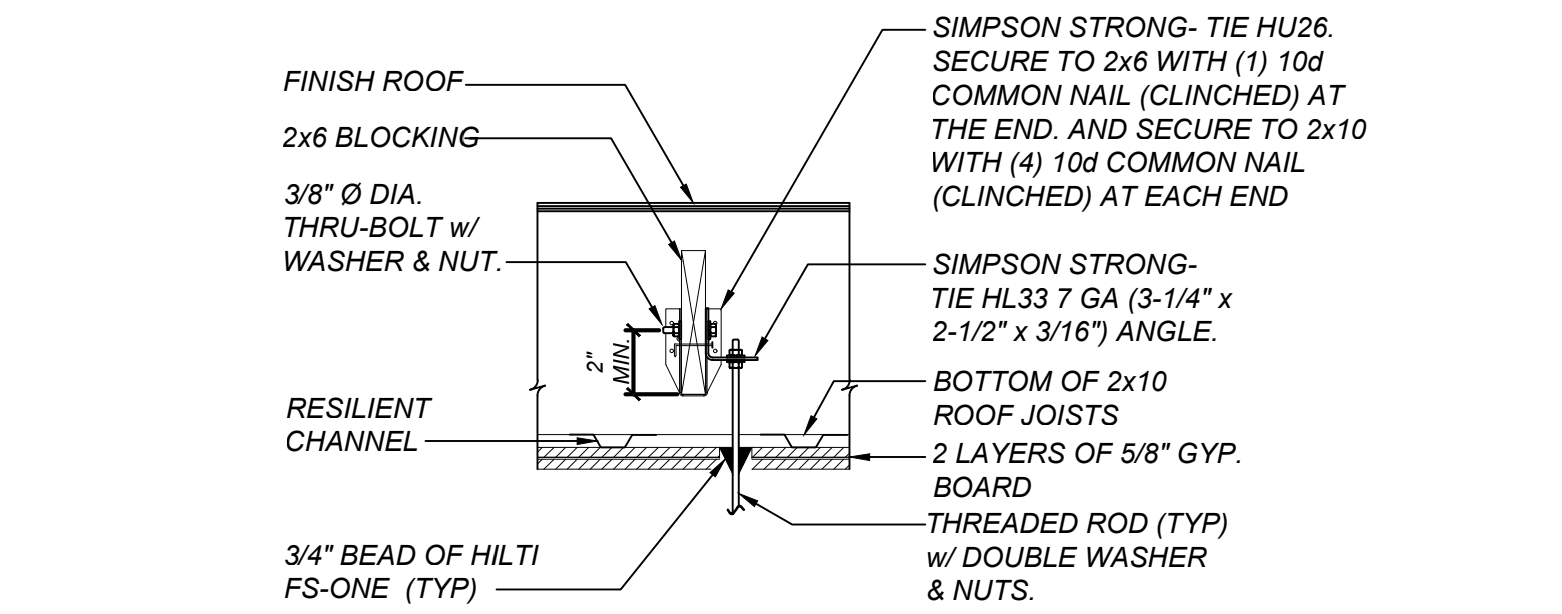
G M2.0



LOUVER IN WOOD WALL DETAIL

SCALE: NONE

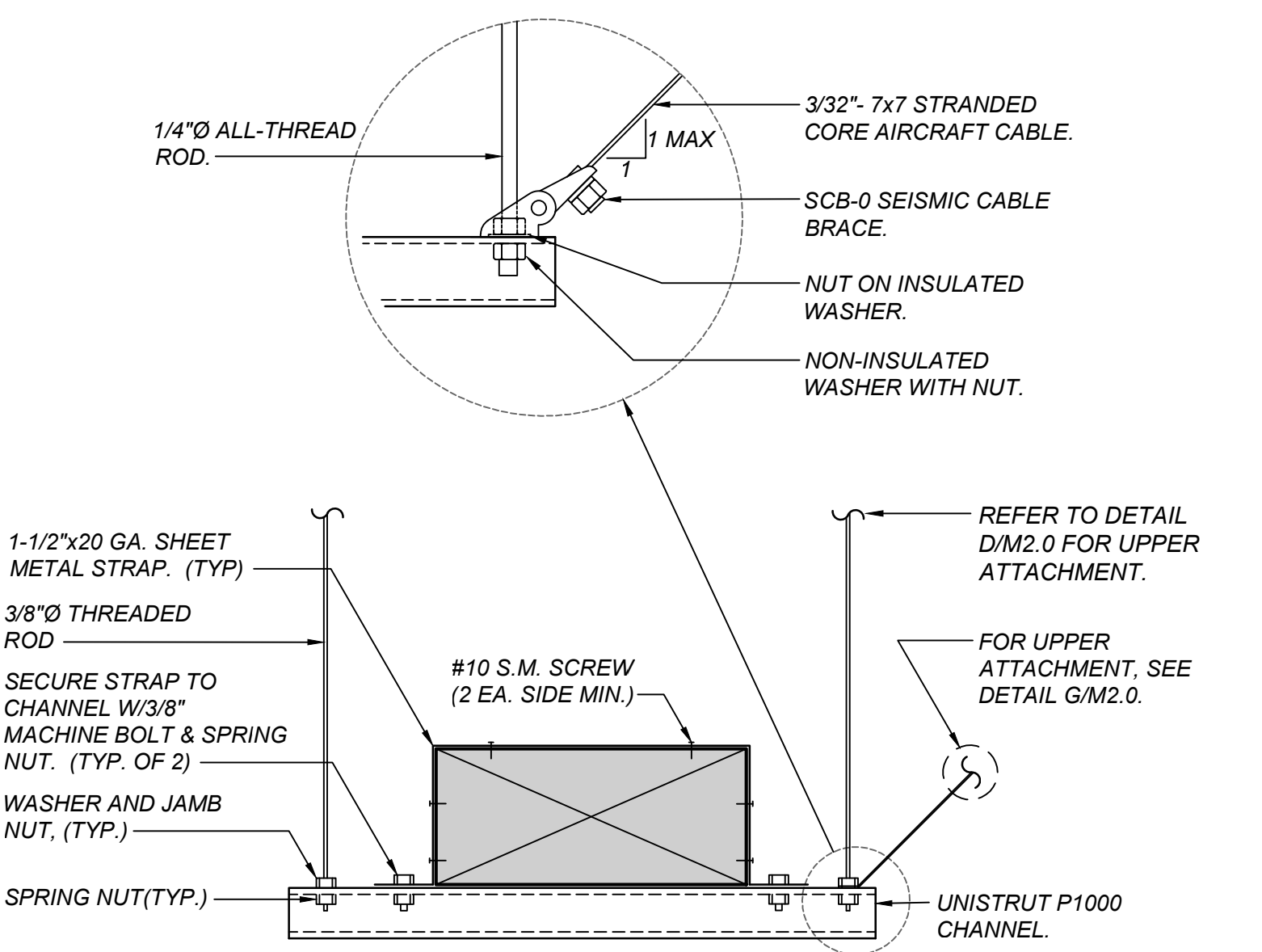
H M2.0



UPPER HANGER ATTACHMENT DETAIL

SCALE: NONE

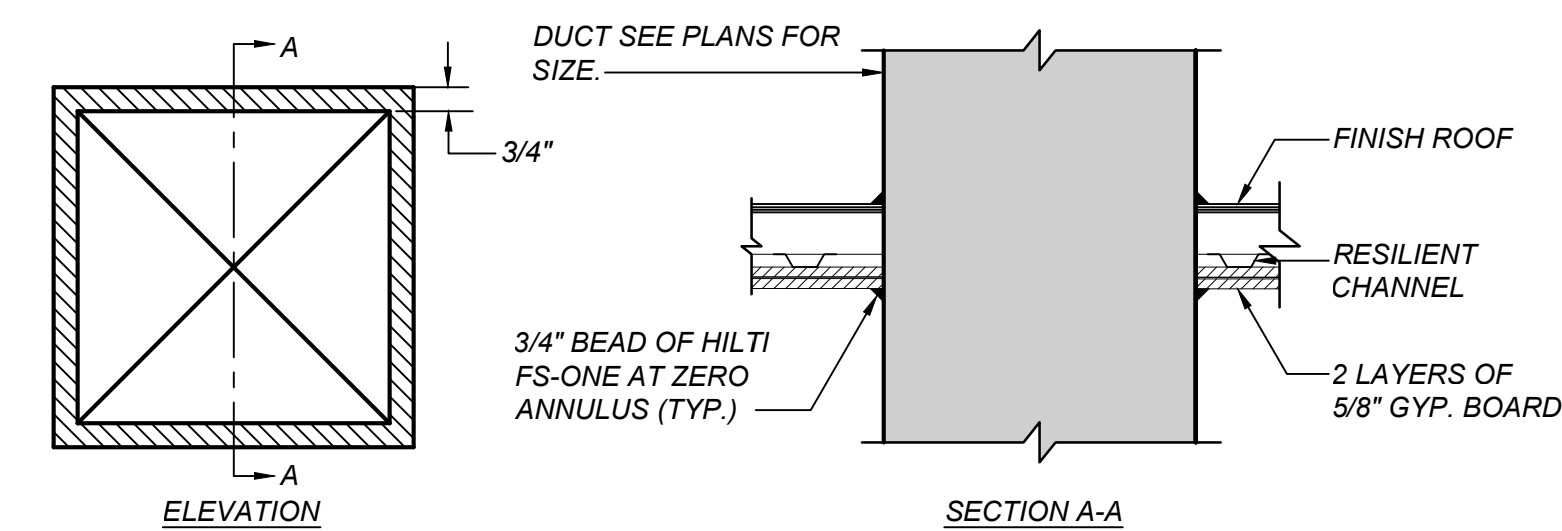
D M2.0



RECTANGULAR DUCT HANGING DETAIL

SCALE: NONE

E M2.0



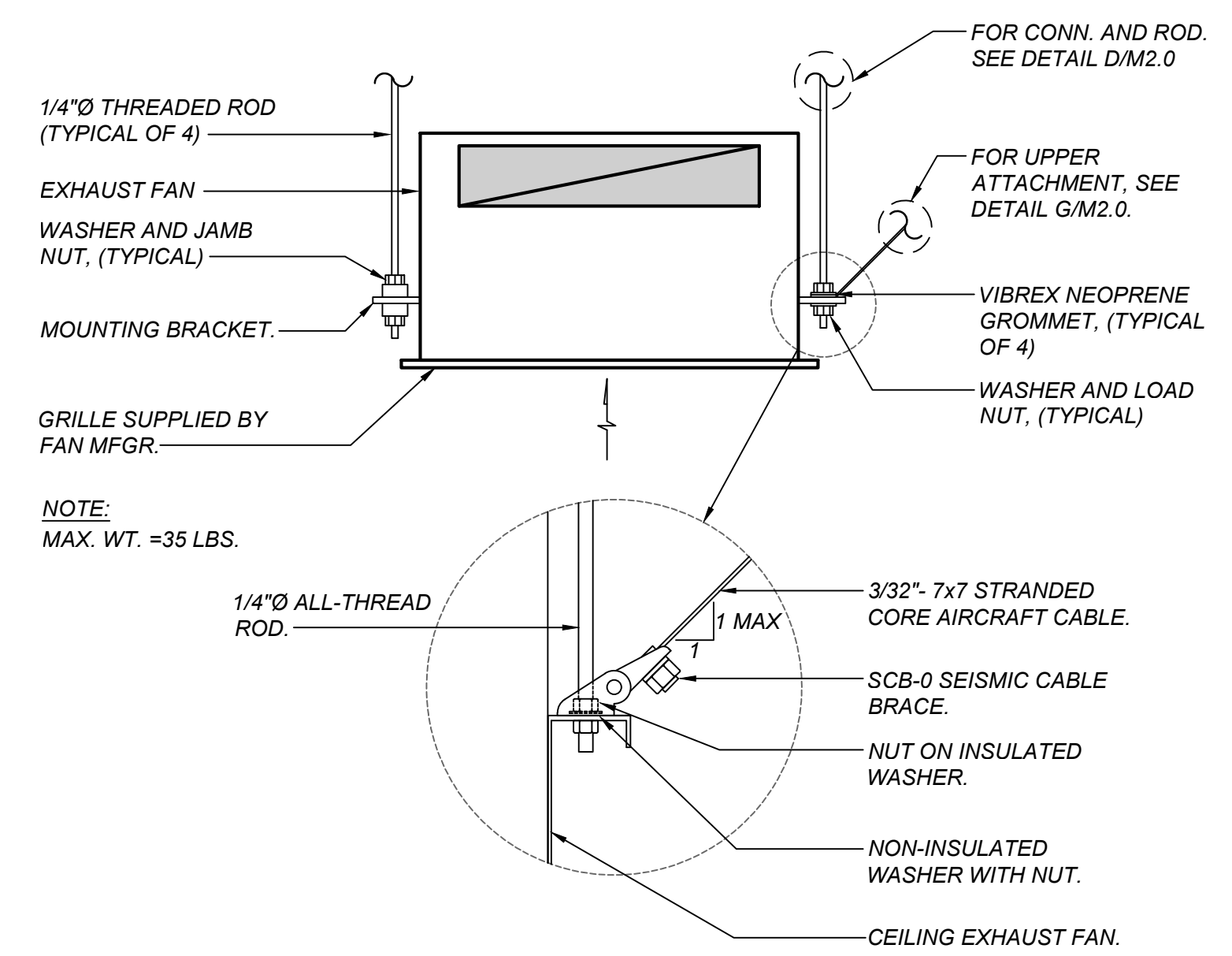
PENETRATION FIRESTOP FOR A RECTANGULAR DUCT THRU A 1 ROOF ASSEMBLY

- NOTES:
1. HILTI FS-ONE SEALANT, U.L. SYSTEM #F-C-7043
 2. F RATING - 1 HR, T RATING - 0 HR.
 3. RECTANGULAR DUCT: GALV. STEEL (28 GA. OR HEAVIER) - 12"x10" DIAM. MAX.
 4. ALL PENETRATIONS THRU RATED WALLS SHALL BE SEALED WITH A FIRE BARRIER THAT HAS A CURRENT U.L. LISTING.
 5. REFER TO MANUFACTURERS INSTALLATION INSTRUCTIONS FOR ADDITIONAL INFORMATION.

DUCT FIRE STOP DETAIL

SCALE: NONE

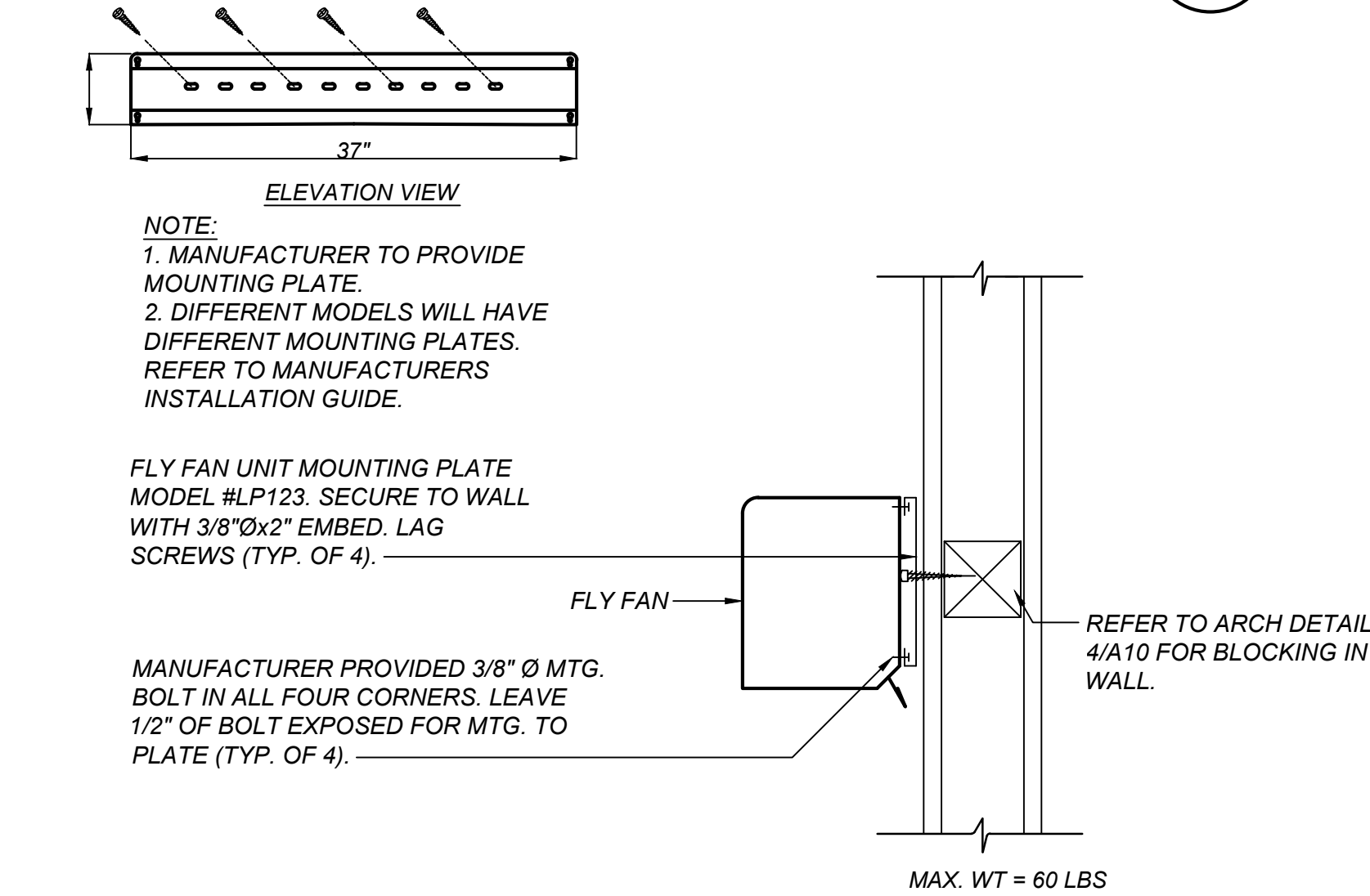
F M2.0



SUSPENDED CEILING EXHAUST MTG DETAIL

SCALE: NONE

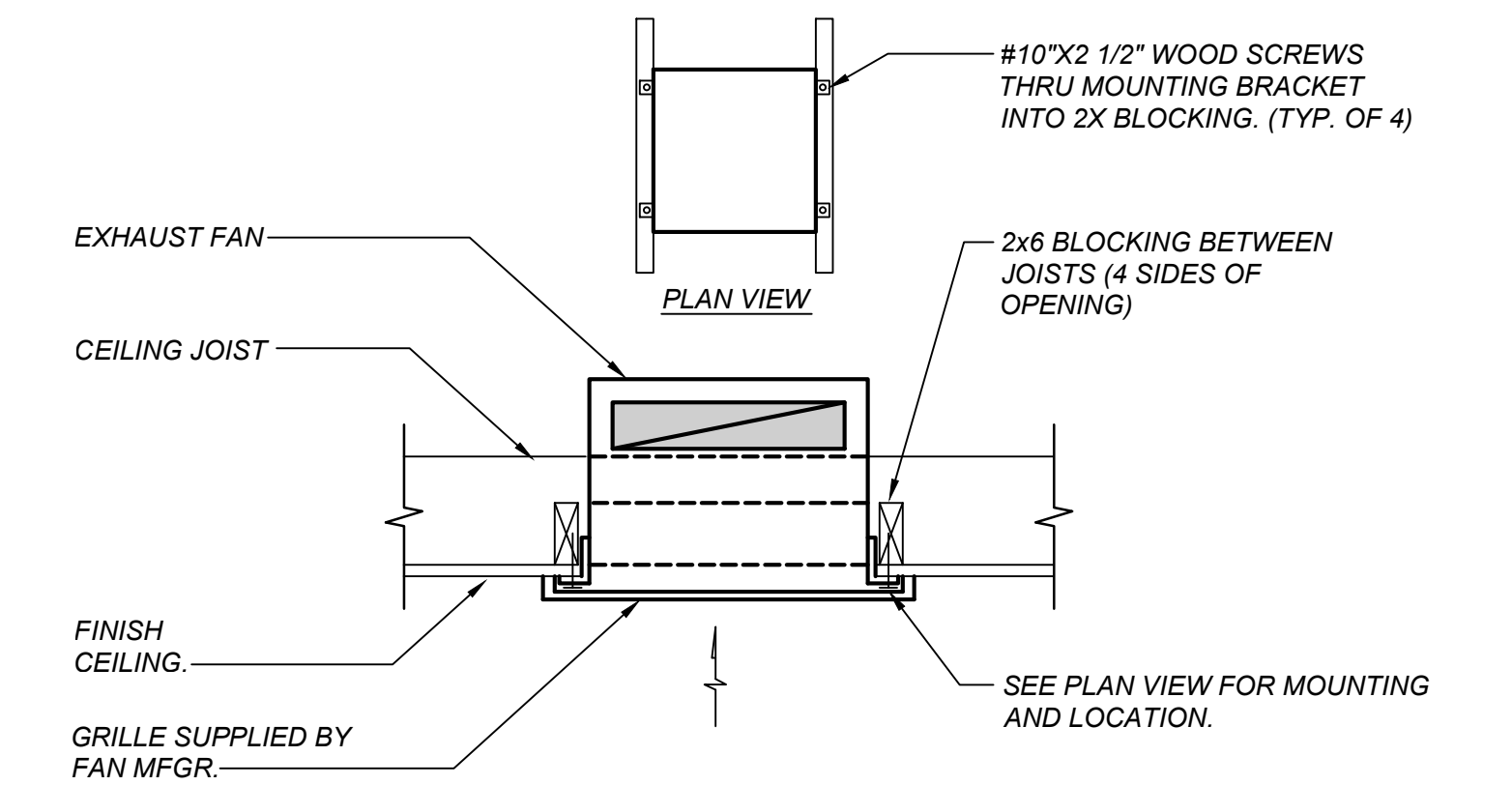
A M2.0



FLY FAN MOUNTING DETAIL

SCALE: NONE

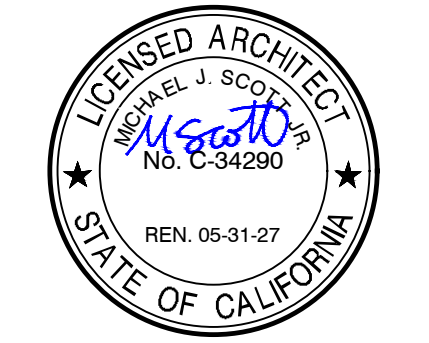
B M2.0



CEILING EXHAUST FAN MOUNTING DETAIL

SCALE: NONE

C M2.0



REVISIONS

P:\2026\26017 New Snack Bar & Athletics Storage BLDG. at Three Rivers ES\4-Drawings\4 M\M3.0 - MECHANICAL SCHEDULES, LEGEND, AND NOTES.dwg 7 August 2026 9:30 AM P:\2026\26017 New Snack Bar & Athletics Storage BLDG. at Three Rivers ES\4-Drawings\4 M\M3.0 - MECHANICAL SCHEDULES, LEGEND, AND NOTES.dwg kyle yang

GRILLE SCHEDULE		
MARK	DUTY	DESCRIPTION
	LOUVER	VULCAN VENT VG1418S. FLANGE TYPE STUCCO, G90 GALVANIZED STEEL - 26G, AND 304 STAINLESS STEEL EMBER MESH. MEETS ASTM E2886 STANDARDSAND IS WUI COMPLIANT.

EXHAUST FAN SCHEDULE			
DESIGNATION			
CFM	200	400	400
EXT. S.P. (IN. WC)	0.29	0.24	0.24
WATTS	52	89	89
VOLTS / PHASE	115 / 1	115 / 1	115 / 1
MCA / MOP (AMPS)	0.6 / 15	4.1 / 15	4.1 / 15
FLA (AMPS)	0.46	3.3	3.3
RPM	900	1070	1070
TIP SPEED/ SONES	- / 2	- / 4.5	- / 4.5
DRIVE	DIRECT	DIRECT	DIRECT
MOUNTING	CEILING	CEILING	CEILING
MANUFACTURER	GREENHECK	GREENHECK	GREENHECK
TYPE	CEILING	CEILING	CEILING
MODEL NUMBER	SP-A200	SP-A510	SP-A510
CONTROL	I.L. W/ LIGHTS	T - STAT	T - STAT
LOCATION	UNISEX TOILET	STORAGE	STORAGE
OPER. WT. (LBS)	30	35	35
ACCESSORIES	1, 2, 3, 4, 5	1, 3, 4, 5	1, 3, 4, 5

1. INTEGRAL BACK DRAFT DAMPER.
2. ADJUSTABLE MOUNTING BRACKETS.
3. CONSTANT CFM EC MOTOR.
4. PLUG TYPE DISCONNECT.
5. CEILING RADIATON DAMPER.

WALL FAN SCHEDULE		
DESIGNATION		
CFM	4000	4000
HP / BHP	0.2 / -	0.2 / -
VOLTS / PHASE	120 / 1	120 / 1
WATTS	220	220
RPM	925	925
DRIVE	DIRECT	DIRECT
MOUNTING	WALL	WALL
MANUFACTURER	DAYTON	DAYTON
TYPE	18" OSCILLATING	18" OSCILLATING
MODEL NUMBER	13V401	13V401
CONTROL	TIMER	TIMER
SPEED	2	2
LOCATION	CONCESSION	CONCESSION
OPER. WT. (LBS)	35	35
ACCESSORIES	1, 2, 3	1, 2, 3

1. 0-2 HOUR WALLMOUNTED TIMER
2. WALL BRACKET AND MOUNTING HARDWARE
3. SECONDARY SAFETY SUPPORT

FLY FAN SCHEDULE	
DESIGNATION	
CFM	1178
HP / WATTS	0.2/ -
VOLTS/ PHASE	120 / 1
DRIVE	DIRECT
MOUNTING	WALL MNT.
FPM	2142
MANUFACTURER	POWERED AIRE INC.
TYPE	UNHEATED
MODEL NUMBER	RMP - 1 - 36
CONTROL	MAGNETIC SWITCH
SERVICE	CONCESSIONS
OPER. WT. (LBS)	55
ACCESSORIES	1, 2, 3

1. MAGNETIC DOOR SWITCH #99-018 WITH OPTIONAL FIELD INSTALLED CONTROL PANEL OR SOLID STATE CONTROLLER.
2. NON-FUSED DISCONNECT SWITCH.
3. WALL MOUNTING BRACKET KIT.

GENERAL NOTES :

1. THE INTENT OF THE DRAWING AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE 2025 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS. CHANGES TO THE STRUCTURAL ACCESSIBILITY OR FIRE AND LIFE SAFETY PORTIONS OF THE APPROVED PLANS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT AS REQUIRED IN SECTION 4-338, PART 1, TITLE 24, CCR, AND SHALL BE SUBMITTED TO AND APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK. DOCUMENTS SHALL BE PREPARED AND SUBMITTED TO DSA IN COMPLIANCE WITH DSA INTERPRETATION OF REGULATION IR A-6.
2. THE APPLICABLE CODES AND REGULATIONS FOR THIS PROJECT INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

CALIFORNIA CODE OF REGULATIONS
TITLE 8, INDUSTRIAL RELATIONS
TITLE 19, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
TITLE 24, PART 1, ADMINISTRATIVE REGULATIONS
2025 CALIFORNIA BUILDING CODE, PART 2, TITLE 24 CCR
2025 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 CCR
2025 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 CCR
2025 CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 CCR
2025 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR
NFPA 101 2024 EDITION
OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT

3. LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. THE HVAC BUILDING PLANS HAVE BEEN PREPARED TO MATCH THE ARCHITECTURAL PLANS. IF DIFFERENCES OCCUR, THE ARCHITECTURAL PLANS ARE TO TAKE PRECEDENCE. THE ACTUAL LOCATIONS OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK, TO AVOID ALL INTERFERENCE WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL, OR OTHER ELEMENTS. ALL DUCT AND PIPE OFFSET ELBOWS FOR COORDINATION BETWEEN TRADES ARE NOT SHOWN. CONTRACTOR SHALL INCLUDE SUFFICIENT FUNDS FOR THE COORDINATION OFFSETS IN THE BID. VERIFY THE PROPER VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL PLANS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO THE INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.

4. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER-DRIVEN PINS IN EXISTING NON-PRESTRESSED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRESTRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.

5. **MEP COMPONENT ANCHORAGE:**

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE THERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING:

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25, 1617A.1.26.

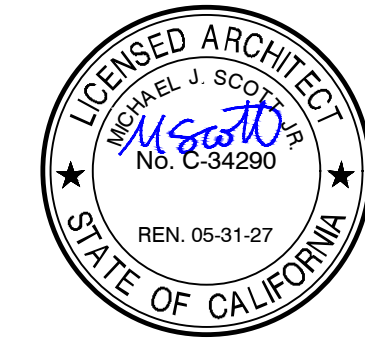
THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR THE CONTENT ON THE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

- MP  PP  OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
- MP  PP  OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD OPM, WITHIN PROJECT SUBMITTAL.
- MP  PP  OPTION 3: SHALL COMPLY WITH THE APPLICABLE OSHPD OPM, DEFERRED SUBMITTAL

6. PENETRATIONS THROUGH FIRE RATED WALLS, FLOOR/CEILING, AND ROOF/CEILING ASSEMBLIES SHALL BE SEALED USING AN APPROVED SYSTEM CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC TO FIRE STOPS PER 2025 CBC SECTION 714. THIS INCLUDES EXISTING PIPE AND CONDUIT THROUGH NEW ASSEMBLIES. CUSTOM DESIGNED SYSTEMS WHICH COMBINE COMPONENTS FROM DIFFERENT APPROVED SYSTEMS BUT HAVE NOT BEEN TESTED AS A COMPLETE ASSEMBLY WILL NOT BE ACCEPTABLE. FOR FIRE STOPS FOR PIPE PENETRATIONS SEE SPECIFICATIONS.
7. DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. WHERE ACOUSTIC LINING IS SHOWN, INCREASE EACH SHEET METAL DIMENSION TO ACCOMMODATE LINING & MAINTAIN CLEAR INSIDE DUCT DIMENSIONS SHOWN.
8. SA DUCTWORK SHALL BE 1" PRESSURE CLASS, AND RA & EA DUCTWORK SHALL 1" PRESSURE CLASS UNLESS OTHERWISE NOTED.
9. ALL DIFFUSERS ARE 4-WAY DISTRIBUTION UNLESS OTHERWISE NOTED ON THE PLANS.
10. A DSA CERTIFIED PROJECT INSPECTOR (CLASS 2) EMPLOYED BY THE DISTRICT & APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-338, PART 1, TITLE 24, CCR.
11. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

AIR CONDITIONING LEGEND		
SYMBOL	ITEM	ABBR
	ROUND DUCT	Ø
	FLAT OVAL DUCT	
	SHEET METAL DUCT	—
	ACOUSTIC LINING FOR DUCT OR GRILLES	(L)
	SUPPLY AIR DUCT DROP	—
	RETURN AIR DUCT DROP	—
	EXHAUST DUCT AIR DROP	—
	SUPPLY AIR DUCT RISE	—
	RETURN AIR DUCT RISE	—
	EXHAUST AIR DUCT RISE	—
	TURNING VANES	TV
	EXTRACTOR	—
	VOLUME CONTROL DAMPER W/LOCKING QUADRANT	VCD
	OPPOSED BLADE DAMPER	OBD
	BACKDRAFT DAMPER	BDD
	VOLUME CONTROL DAMPER W/ REMOTE REGULATOR	VCR
	FIRE/SMOKE DAMPER WITH ACCESS PANEL	F/SD
	FIRE DAMPER WITH ACCESS PANEL	FD
	SMOKE DAMPER WITH ACCESS PANEL	SD
	CUBIC FEET OF AIR PER MINUTE	CFM
	EMS MOTORIZED DUCT DAMPER/ PIPE VALVE ACTUATOR	—
	THERMOSTAT @ +4'-0" TOP OF BOX	T'STAT
	HUMIDISTAT @ +4'-0" TOP OF BOX	H'STAT
	CO ₂ SENSOR @ +4'-0" TOP OF BOX	CO ₂
	EMS TEMPERATURE SENSOR @ +4'-0" TOP OF BOX	—
	EMS HUMIDITY SENSOR @ +4'-0" TOP OF BOX	—
	EMS CO ₂ SENSOR @ +4'-0" TOP OF BOX	CO ₂
	EMS STATIC PRESSURE SENSOR	SP
	EMS DIFFERENTIAL PRESSURE SENSOR	DP
	EMS CURRENT SENSOR	CS
	DIRECTION OF FLOW	—
	SUPPLY AIR	SA
	RETURN AIR	RA
	EXHAUST AIR	EA
	OUTSIDE AIR	OSA
	PIPE/DUCT TURN DOWN	—
	PIPE/DUCT TURN UP	—
	POINT OF CONNECTION	POC
	EXISTING (DESIGNATED)	(E)
	NEW (DESIGNATED)	(N)
	DUCT SMOKE DETECTOR	SD
	AUDIBLE/VISUAL ALARM	A/VA
	BYPASS TIMER	BPT
	ENERGY MANAGEMENT SYSTEM CABLE IN CONDUIT	EMS



DATE: MARCH 31, 2026

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THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

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(559) 627.1926 Fax

TITLE
MECHANICAL
SCHEDULES,
LEGEND, AND
NOTES

M3.0

PROJECT 25057

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-PLB-E

Project Name: New Snack Bar/Athletics Storage Three Rivers ES

Report Page: (Page 3 of 6)

Date Prepared: 3/24/2026

DOMESTIC HOT WATER DISTRIBUTION SYSTEM

This table is used to demonstrate compliance for nonresidential occupancies with distribution requirements in §120.3 and §140.5. For multifamily and hotel/motel occupancies, compliance is demonstrated with requirements §120.3(c), §160.4, §170.2(d).

Mandatory Pipe Insulation All Occupancies - §120.3, §160.4

System Name	Yes	Not Applicable	Requirement
16	☒	☐	For systems serving dwelling units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see blow) except: - Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetration. Piping that penetrates metal framing shall use grommets, plugs, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall abut securely against all framing members - Piping installed in interior or exterior walls shall not be required to have pipe insulation if all of the requirements are met for compliance with Quality Insulation Installation (QII) as specified in the Reference Residential Appendix RA3.5. - Piping surrounded with a minimum of 1 inch of wall insulation, 2 inches of crawlspace insulation, or 4 inches of attic insulation, shall not be required to have pipe insulation.
17	☐	☒	For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A1 or Table 120.3-A2 (see below) per §120.3: - Recirculating system piping, including supply and return piping of the water heater - The first 8 ft of hot and cold outlet piping, including between storage tank and heat trap, for a nonrecirculating storage system - Pipes that are externally heated
18	☒	☐	Per §120.3(b)(7) §160.4(f), pipe and appurtenance insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service. Pipe insulation buried below grade must be installed in a water proof and non-crushable casing or sleeve.

TABLE 160.4-A PIPE INSULATION THICKNESS

Fluid Temperature Range (°F)	Conductivity Range (Btu-in per hour per ft² per °F)	Insulation Mean Rating Temp (°F)	Nominal Pipe Diameter (in)			
			< 1	1 to < 1.5	1.5 to < 4	1.5 to < 4 Multifamily & Hotel/Motel
105-140	0.22 - 0.28	100	1.0 in or R-7.7	1.5 in or R-12.5	Minimum Insulation Required	2.0 in or R-16

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Generated Date/Time: Report Version: 2025.0.000 Schema Version: rev 20250101

Documentation Software: EnergyPro

Compliance ID: EPR-2975-0326-0053 Report Generated: 2026-03-24 15:43:09

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-PLB-E

Project Name: New Snack Bar/Athletics Storage Three Rivers ES

Report Page: (Page 6 of 6)

Date Prepared: 3/24/2026

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Matthew Alvizo

Documentation Author Signature: 

Company: Lawrence Engineering Group

Signature Date: 2026-03-24

Address: 4910 E. Clinton Way, Suite 101

CIA/NAATCC Certification Identification (if applicable):

City/State/Zip: Fresno CA 93727

Phone: (559) 431-0101

RESPONSIBLE PERSON'S DECLARATION STATEMENT

1. I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

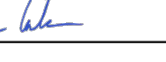
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 5 and Part 6 of the California Code of Regulations.

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Person Name: Ryan W. Carlson

Responsible Person Signature: 

Responsible Person Scope: Compliance Engineering Group

Date Signed: 2026-03-24

Address: 4910 E. Clinton Way, Suite 101

City/State/Zip: Fresno CA 93727

Phone: (559) 431-0101

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Project Name: New Snack Bar/Athletics Storage Three Rivers ES

Report Page: (Page 2 of 4)

Date Prepared: 3/24/2026

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. DOMESTIC HOT WATER EQUIPMENT

This table is used to demonstrate compliance with mandatory equipment requirements in §110.1 and §110.3. Compliance with prescriptive requirements in §140.5(c) / §170.2(d) must also be demonstrated and with §141.1 / §180.1 / §180.2 for addition and alteration scopes.

Equipment Schedule: Water Heating Efficiency and Standby Loss

System Name	WH-1 Bradford White E32-80R	Space type	Nonresidential	Exception to §140.5(c)/§170.2(d)(2)	Capacity-weighted Average Efficiency %	
OS	OS	OS	OS	OS	OS	OS
Name or Item Tag	WH-1 Bradford White E32-80R	System Status	Equipment Type	Volume (gal)	Rated Input Capacity (Btu/h)	Rated Efficiency
Quantity	1	New/ Addition	Electric Storage	80	61,419	0.93
						Minimum Efficiency Required
						Must meet Federal Minimum Requirements
						Must meet Federal Minimum Requirements

FOOTNOTE: In systems >= 1MMBtu/h with multiple units, gas water heaters with input capacity > 100,000 Btu/h may meet 90% Et requirements via an input capacity-weighted average.

FOOTNOTE: Compliant equipment may be found in the Modernized Appliance Efficiency Database System (MAEDBS) on the Energy Commission website: https://ocertappliances.energy.ca.gov/Pages/Search/AdvancedSearch.aspx

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

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Project Name: New Snack Bar/Athletics Storage Three Rivers ES

Report Page: (Page 5 of 6)

Date Prepared: 3/24/2026

DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title

NRCC-PLB-E - Must be submitted for all buildings

DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

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STATE OF CALIFORNIA

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CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-PLB-E

Project Name: New Snack Bar/Athletics Storage Three Rivers ES

Report Page: (Page 1 of 6)

Date Prepared: 3/24/2026

A. GENERAL INFORMATION

This document is used to demonstrate compliance for nonresidential occupancies with requirements in §110.1, §110.3, §120.3, and §140.5, and with requirements in §141.0 for additions and alterations, and §141.0(a)/§180.1, or §141.0(b)(2N) / §180.2 for additions or alterations. Solar water heating systems are documented on the NRCC-SAB compliance document. Combined hydronic water heating systems are documented on the NRCC-MCH compliance document.

Occupancy Types Within Project (select all that apply):

- All Other Occupancies

B. PROJECT SCOPE

This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in §140.7 §170.2(d) and §141.0(a)/§180.1, or §141.0(b)(2N) / §180.2 for additions or alterations. Solar water heating systems are documented on the NRCC-SAB compliance document. Combined hydronic water heating systems are documented on the NRCC-MCH compliance document.

System Type 1,2

System Components

System Alteration (equipment, distribution or controls)

Equipment

Distribution

Controls

FOOTNOTES: Point of use water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems.

Dwelling units refers to hotel/motel guest rooms and units in a multifamily residential occupancy.

DHW systems serving 2 or more dwelling units are considered "Central Systems" for multifamily and hotel/motel occupancies

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with water heating requirements. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, or the table indicated as not compliant for guidance.

Domestic Hot Water Equipment

Distribution Systems

Controls

Pool/Spa

Table F

Table G

Table H

Table I

Table J

COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

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Project Name: New Snack Bar/Athletics Storage Three Rivers ES

Report Page: (Page 4 of 6)

Date Prepared: 3/24/2026

DOMESTIC HOT WATER CONTROLS - §110.3, §120.9, §160.4(d), §170.2(d), §180.1(b)(3)

This table is used to demonstrate compliance with control requirements in §110.3 for all occupancies. For nonresidential occupancies, compliance is demonstrated with requirements in §120.9. For multifamily residential and hotel/motel occupancies, compliance is also demonstrated with requirements in §160.4(d) / §170.2(d).

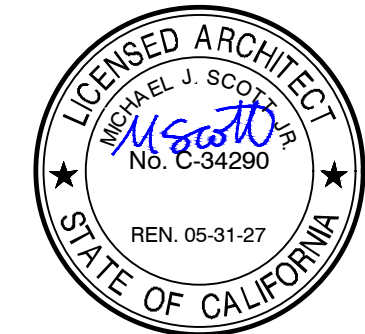
System Name	Yes	Not Applicable	Requirement
01	☒	☐	Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per §110.3(a).
02	☐	☒	Systems with capacity > 167,000 BTU/h equipped with outlet temperature controls per §110.3(c)(1) unless covered by California Plumbing Code 613.0.
03	☐	☒	Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per §110.3(c)(2) unless systems serves healthcare facility.
04	☐	☒	For recirculation systems serving multiple dwelling units, design includes a mechanical or digital thermostatic master mixing valve on each distribution supply and return loop per §170.2(d) or §180.1(b)(3) for additions.
05	☐	☒	For recirculation systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix RA4.6.9 per §170.2(d).
06	☐	☒	Combustion air positive shut-off shall be provided per §120.9(a) & §160.4(d) on all newly installed commercial boilers as follows: - Boilers with input capacity >= 2.5 MMBtu/h, in which the boiler is designed to operate with a nonpositive vent static pressure - Boilers where one stack serves two or more boilers with a total combined input capacity per stack of 2.5 MMBtu/h. Boiler combustion air fans with motor >= 10 hp shall meet one of the following for newly installed boilers per §120.9(b) & §160.4(d)(2): - The fan motor shall be driven by a variable speed drive OR - The fan motor shall include controls that limit the fan motor demand to <=30% of the total design wattage at 50% of the design air volume.
07	☐	☒	Newly installed boilers with an input capacity (dght) 5MMBtu/h and a steady state full-load combustion efficiency < 90% shall maintain excess (stack gas) oxygen concentrations <= 5% by volume on a dry basis over firing rates of 20-100%. Combustion air volume shall be controlled with respect to firing rate or flue gas oxygen concentration. Use of a common gas and combustion air control linkage or jack shaft is prohibited per §120.9(c) & §160.4(d)(3).
08	☐	☒	

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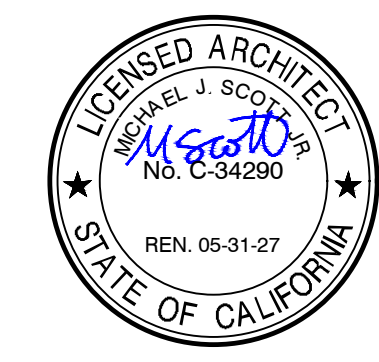
DATE: MARCH 31, 2026

NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL
41932 SIERRA DR., THREE RIVERS, CA 93271
THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

REVISIONS

ARCHITECTURE
INGENUITY
MANGINI
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
MECHANICAL
TITLE 24
M4.0
PROJECT 25057



DATE: MARCH 31, 2026

**NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
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	REVISIONS
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>	_____

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TITLE
ELECTRICAL SYMBOLS
CODES AND NOTES

EG1.1

FIXTURE SCHEDULE

FIXTURE SYMBOL: (3-A-39): 3 = CIRCUIT NUMBER, A = FIXTURE TYPE, 39 = FIXTURE WATTAGE							
TYPE	WATTS	LAMPS	VOLT	MANUFACTURER	CATALOG NO.	MOUNT	NOTES
AE	39	L.E.D.	120-277V	LUMINAIRE	VPF8-4-MINIO-40W-40K-MVOLT-CLP-WHT-EMB31OT20	SURFACE	PER #2/E3.2 (1)
B	48	L.E.D.		LITHONIA	ZLIN-136-6000LM-FST-MVOLT-40K-80CR-WH-NPP6D-ZLR-136-SYM-WH-EIOWLCP	SURFACE	PER #2/E3.2 (1)
BE	48	L.E.D.		LITHONIA	ZLIN-136-6000LM-FST-MVOLT-40K-80CR-WH-NPP6D-ZLR-136-SYM-WH-EIOWLCP	SURFACE	PER #2/E3.2 (1)
C	68	L.E.D.		LITHONIA	ZLIN-136-10000LM-FST-MVOLT-40K-80CR-WH-NPP6D-ZLR-136-SYM-WH-EIOWLCP	SURFACE	PER #2/E3.2 (1)
CE	68	L.E.D.		LITHONIA	ZLIN-136-10000LM-FST-MVOLT-40K-80CR-WH-NPP6D-ZLR-136-SYM-WH-EIOWLCP	SURFACE	PER #2/E3.2 (1)
DE	48	L.E.D.		LITHONIA	ZLIN-148-3000LM-FST-MVOLT-40K-80CR-WH-NPP6D-ZLR-136-SYM-WH-EIOWLCP	SURFACE	PER #2/E3.2 (1)
E	15	L.E.D.		LITHONIA	ZLIN-121-1500LM-FST-MVOLT-40K-80CR-WH-NPP6D-ZLR-136-SYM-WH-EIOWLCP	SURFACE	PER #2/E3.2 (1)
L1	15	L.E.D.	120-277V	LITHONIA	WST-LED-PI-40K-VF-MVOLT-PIR-DDBXD	WALL	EXTERIOR
L1E	15	L.E.D.		LITHONIA	WST-LED-PI-40K-VF-MVOLT-PIR-DDBXD-E20WH	WALL	EXTERIOR (2)
P1	136	L.E.D.		LITHONIA	DSX1-LED-PS-40K-BL3 RPA-MVOLT-PIR-DDBXD	POLE	PER #1/E3.2 (3)

FIXTURE SCHEDULE NOTES:

- (1) LIGHT FIXTURE SHALL BE EQUIPPED WITH AN EMERGENCY BATTERY PACK TO OPERATE THE L.E.D. DRIVER IN THE EMERGENCY MODE FOR A MINIMUM OF 90 MINUTES. PULL UNSWITCHED CIRCUIT TO EMERGENCY BATTERY PACK. REFER TO LIGHTING PLANS FOR EXACT LOCATIONS AND DETAIL PER 44/E3.2 FOR WIRING REQUIREMENTS.
- (2) LIGHT FIXTURE SHALL BE EQUIPPED WITH AN EMERGENCY BATTERY PACK TO OPERATE THE L.E.D. DRIVER IN THE EMERGENCY MODE FOR A MINIMUM OF 90 MINUTES. PULL UNSWITCHED CIRCUIT TO EMERGENCY BATTERY PACK. REFER TO LIGHTING PLANS FOR EXACT LOCATIONS AND DETAIL PER 44/E3.2 FOR WIRING REQUIREMENTS.
- (3) SET FIXTURE TO DIM TO 50% AFTER FIRST 15 MINUTES, THEN TO OFF AT 30 MINUTES.

ELECTRICAL SYMBOLS

ALL DIMENSIONS TO CENTER OF BOX, U.O.N.

	-3-	CIRCUIT NUMBER (3-A-39)
	-A-	FIXTURE TYPE (3-A-39)
	-39	FIXTURE WATTAGE (3-A-39)
		HOME RUN 3/4" - MIN. (PANEL A, CIRCUIT #3)
	(—→)	CONDUIT RUN IN WALL OR ATTIC (1/2" - 2 #12 AWG THWN + 1 #12 GND)
	(---)	CONDUIT RUN IN FLOOR OR UG (1/2" - 2 #12 AWG THWN + 1 #12 GND)
	— — —	ANY CONDUIT RUN - 1/2" - 3 #12 AWG THWN + 1 #12 GND
	— — —	' ' ' - 3/4" - 4 #12 AWG THWN + 1 #12 GND
	— — —	' ' ' - 3/4" - 5 #12 AWG THWN + 1 #12 GND
	— — —	' ' ' - 1C - 6 #12 AWG THWN + 1 #12 GND
	—3	CONDUIT STUB - CAPPED AND LABELED.
	①	ELECTRICAL KEYNOTE #1, REFER TO NOTES ON SAME SHEET.
	U.O.N.	UNLESS OTHERWISE NOTED
	W.P.	WEATHERPROOF
		TERMINAL CABINET (SIZE AS SHOWN)
		ELECTRICAL PANELBOARD
		TAMPER-RESISTANT DUPLEX RECEPTACLE IN WALL (4" MIN. TO BOTTOM OF BOX)
(B)		TAMPER-RESISTANT G.F.C.I. DUPLEX RECEPTACLE IN WALL (4" MIN. TO BOTTOM OF BOX)
		WALL MOUNTED LIGHT FIXTURE (MOUNT AS SHOWN)
	PDZ	DENOTES BOUNDARY OF PRIMARY DAYLIT ZONE
	SDZ	DENOTES BOUNDARY OF SECONDARY DAYLIT ZONE
		LIGHT FIXTURE
(C)	-- C5--	NETWORK CABLE - CATEGORY 5e CABLE, LENGTH AS REQUIRED
(F)		LIGHT FIXTURE WITH "LIGHT" EMBEDDED CONTROLS
	EM	LIGHT FIXTURE EQUIPPED WITH EMERGENCY BATTERY PACK
		POLE MOUNTED "AREA" LIGHT FIXTURE
(E)		ON/OFF SWITCH WITH RAISE/LOWER DIMMING CONTROL (4-"O" MAX. TO TOP OF BOX, U.O.N.)
(D)		360° OCCUPANCY SENSOR (DUAL TECHNOLOGY), CEILING MOUNTED
(S)		360° OCCUPANCY SENSOR (DUAL TECHNOLOGY) WITH AUTOMATIC DIMMING CONTROL PHOTOCELL, CEILING MOUNTED
		JUNCTION BOX EQUIPPED WITH BLANK COVER
		JUNCTION BOX EQUIPPED WITH BLANK COVER AND FLEX CONNECTION
		COMBINATION HEAVY-DUTY FUSED SAFETY SWITCH/MAGNETIC STARTER
		MOTOR
		HEAVY-DUTY FUSED SAFETY SWITCH
		ADDRESSABLE SMOKE DETECTOR MOUNTED ON CEILING
		ADDRESSABLE HEAT DETECTOR MOUNTED IN ATTIC
		ADDRESSABLE SUPERVISED CONTROL MODULE
(A)	V 30	FIRE ALARM VISUAL STROBE, 30 CANDELA (WALL MOUNTED)
	SV 15	FIRE ALARM SPEAKER/15 CANDELA VISUAL STROBE (WALL MOUNTED)
	SP W.P.	FIRE ALARM EXTERIOR SPEAKER IN WALL
	E, (E)	SUBSCRIPT DENOTES EXISTING SHALL REMAIN
	R, (R)	SUBSCRIPT DENOTES EXISTING SHALL BE REMOVED
	—EP—	DENOTES EXISTING FEEDER, BRANCH CIRCUITING AND/OR HOMERUN SHALL REMAIN
	—ER—	DENOTES EXISTING FEEDER, BRANCH CIRCUITING AND/OR HOMERUN SHALL BE REMOVED

ELECTRICAL SYMBOLS NOTES:

- (A) REFER TO FIRE ALARM DEVICES ELEVATION, DETAIL #1/E2.3 FOR RESPECTIVE MOUNTING HEIGHTS.
- (B) AT OTHER LOCATIONS, PROVIDE WEATHER-RESISTANT/TAMPER-RESISTANT G.F.C.I. DUPLEX RECEPTACLES, LEVITON #55362-W/TW OR EQUAL. AT DAMP LOCATIONS, PROVIDE A DIECAST WEATHER-PROOF LOCKABLE COVER, RACO #5028-0 OR EQUAL. AT WET LOCATIONS, PROVIDE A DIECAST WEATHERPROOF "WHILE-IN-USE" LOCKABLE COVER, EXTRA-DUTY RATED, RED DOT #CK5UV OR EQUAL.
- (C) ACUITY CONTROLS #CAT 5e * J1 OR EQUAL. * ASTERISK INDICATES LENGTH OF CABLE. CABLES ARE AVAILABLE IN 6', 12', 5', 10', 15', 30', AND 50' LENGTHS.
- (D) ACUITY CONTROLS #CM-PDT-10-RJB OR EQUAL.
- (E) ACUITY CONTROLS #PODMA-DX-WH OR EQUAL. PROVIDE A DECORATOR STYLE STAINLESS STEEL WALLPLATE.
- (F) *LIGHT* ENABLED LIGHT FIXTURE PER FIXTURE SCHEDULE ON SHEET #EG1.
- (G) ACUITY CONTROLS #CM-PDT-10-ADCX-RJB OR EQUAL.

SEISMIC ANCHORAGE REQUIREMENTS

MECHANICAL, ELECTRICAL AND PLUMBING ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2025 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER, "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 10/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS, OR HAS A CENTER OF MASS LOCATED A FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL, THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

- A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7 AND 13.6.8; AND 2025 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

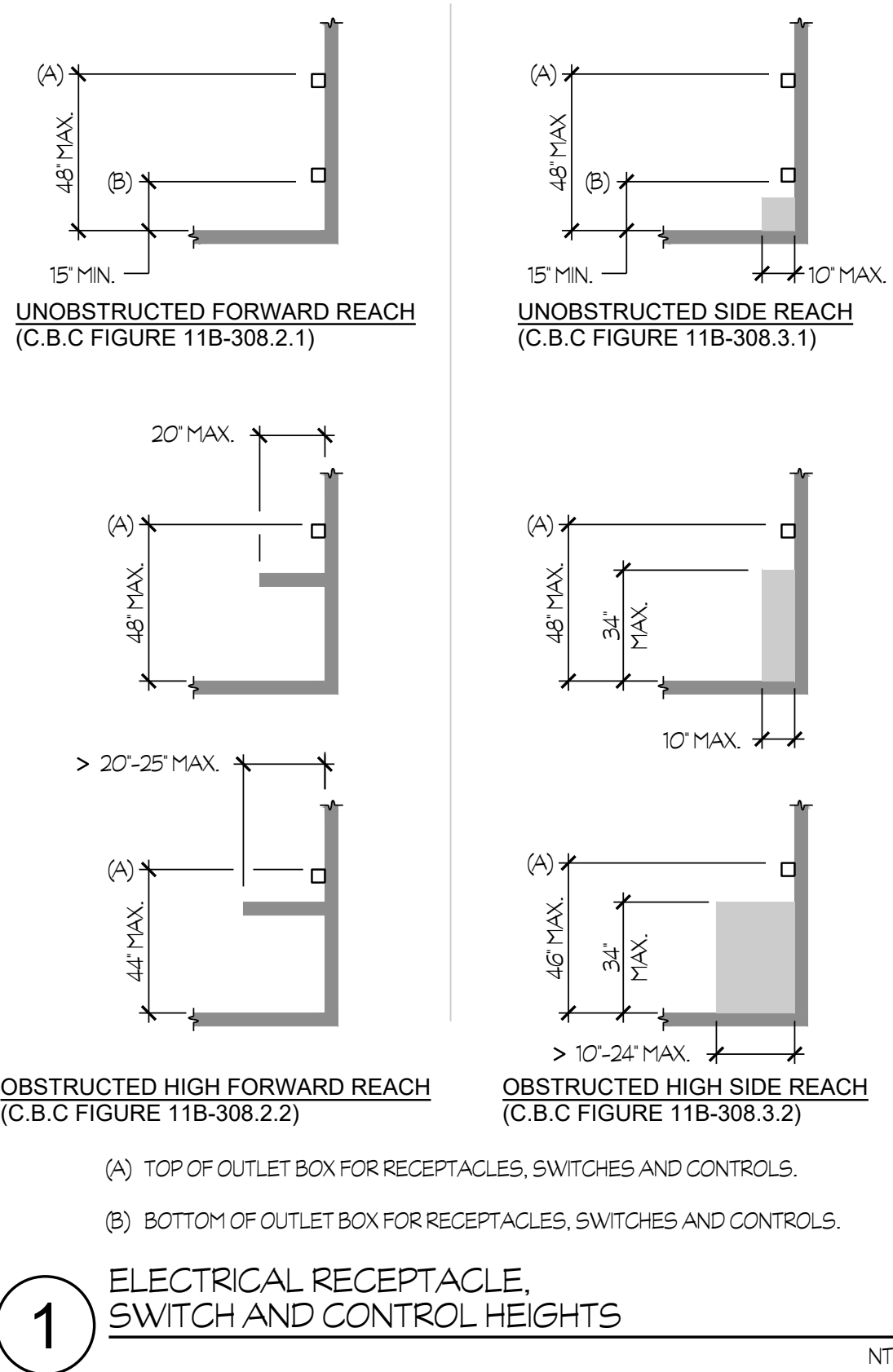
THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☐ PP ☐ E ☒ - OPTION 1: PROJECT-SPECIFIC DESIGN

MP ☐ MD ☐ PP ☐ E ☐ - OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL.

MP ☐ MD ☐ PP ☐ E ☐ - OPTION 3: DESIGN BASED ON OSHPD OPM, DEFERRED
SUBMITTAL



TITLE 24. PART 6

THE CALIFORNIA ENERGY EFFICIENCY STANDARDS FOR NONRESIDENTIAL BUILDINGS HAS BEEN REVIEWED AND THE BUILDING DESIGN DESCRIBED ON THESE PAGES IS IN SUBSTANTIAL CONFORMANCE.

CODE, RULES AND REGULATIONS

ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST REGULATIONS OF THE STATE FIRE MARSHAL, CALIFORNIA CODE OF REGULATIONS, SERVING UTILITY COMPANIES AND OTHER APPLICABLE STATE ORDINANCES. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED AS TO PERMIT WORK NOT CONFORMING TO THESE CODES. WHERE WORK OF A HIGHER DEGREE IS INDICATED IN THE PLANS OR SPECIFICATIONS THIS REQUIREMENT SHALL GOVERN.

DIVISION OF THE STATE ARCHITECT
APPLICABLE CODES AND STANDARDS

CODES:

- | | |
|------|---|
| 2025 | CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.G.R. |
| 2025 | CALIFORNIA BUILDING CODE (C.B.C.), PART 2, TITLE 24 C.G.R.
(2021 INTERNATIONAL BUILDING CODE, VOLUMES 1 AND 2 WITH 2025 CALIFORNIA AMENDMENTS) |
| 2025 | CALIFORNIA ELECTRICAL CODE (C.E.C.), PART 3, TITLE 24 C.G.R.
(2020 NFPA 70 NATIONAL ELECTRICAL CODE WITH 2025 CALIFORNIA AMENDMENTS) |
| 2025 | CALIFORNIA MECHANICAL CODE (C.M.C.), PART 4, TITLE 24 C.G.R.
(2021 UNIFORM MECHANICAL CODE WITH 2025 CALIFORNIA AMENDMENTS) |
| 2025 | CALIFORNIA PLUMBING CODE (C.P.C.), PART 5, TITLE 24 C.G.R.
(2021 UNIFORM PLUMBING CODE WITH 2025 CALIFORNIA AMENDMENTS) |
| 2025 | CALIFORNIA ENERGY CODE (C.E.C.), PART 6, TITLE 24 C.G.R. |
| 2025 | CALIFORNIA FIRE CODE (C.F.C.), PART 9, TITLE 24 C.G.R.
(2021 INTERNATIONAL FIRE CODE WITH 2025 CALIFORNIA AMENDMENTS) |
| 2025 | CALIFORNIA REFERENCED STANDARDS CODE (C.R.S.C.), PART 12, TITLE 24 C.G.R. |

TITLE 19, C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

STANDARDS AND GUIDES

- | | |
|---------|---|
| NFPA 72 | NATIONAL FIRE ALARM CODE, 2025 EDITION (CALIFORNIA AMENDED) |
| ADAAG | AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES |
| UL 38 | MANUAL ACTUATED SIGNALING BOXES, 1999 EDITION |
| UL 268 | SMOKE DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 2011 EDITION |
| UL 268A | SMOKE DETECTORS FOR DUCT APPLICATIONS, 2009 EDITION |
| UL 464 | AUDIBLE SIGNAL APPLIANCES, 2003 EDITION |
| UL 521 | HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 1999 EDITION (WITH REVISIONS THROUGH JULY 2005) |
| UL 864 | CONTROL UNITS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 2014 EDITION |

COMPLETE AUTOMATIC FIRE ALARM SYSTEM
PLAN SUBMITTAL

THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

THE FIRE ALARM SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE DETECTION SYSTEM, PER C.F.C. SECTION 907.2.3.6, AND SHALL COVER EVERY ROOM AND/OR AREA. UPON THE ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).



Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705

STATE OF CALIFORNIA

Indoor Lighting

CERTIFICATE OF COMPLIANCE

California Energy Commission
NRCC-1TH

This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6 and §141.0(b)(2) for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in §160.5, §170.2(e) and §180.2(b)(4) for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

Project Name:
THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING

Report Page:

Page 1 of 7

Project Address:
41502 SIERRA DRIVE, THREE RIVERS, CA 92371

Date Prepared:
2026-03-25T13:25:52-04:00

A. GENERAL INFORMATION

D1 Project Location (city)	THREE RIVERS	O4 Total Conditioned Floor Area (ft²)	0
D2 Climate Zone	13	O5 Total Unconditioned Floor Area (ft²)	840
D3 Occupancy Types Within Project (select all that apply): • School or Classroom	06	# of Stories (Habitable Above Grade)	1

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 / §170.2(e) or §141.0(b)(2) / §180.2(b)(4) for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	N/A	0	Complete Building Method	840
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft²)				840

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000
Schema Version: rev 20250101

Compliance ID: ECA-371758-0326-0002
Report Generated: 2026-03-25 10:25:56

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

NRCC-LTH-2020-001

Page 2 of 7

CERTIFICATE OF COMPLIANCE

Project Name:

THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING

41932 SIERRA DRIVE, THREE RIVERS, CA 93271

Report Page:

5

Date Prepared:

2026-03-25T13:25:52-04:00

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(a)1, §170.2(e)	Allowed Lighting Power per §140.6(b) /§170.2(e) (Watts)				≥	Adjusted Lighting Power per §140.6(a) /§170.2(e) (Watts)				Compliance Results	
	01	02	03	04		05	06	07	08		
	Complete Building §140.6(c)1	Area Category §140.6(c)2 /§170.2(e)4	Area Category Additional §140.6(c)3C /§170.2(e)4Av (+)			Total Allowed (Watts)	Total Designed (Watts)				Adjustments PAF Lighting Control Credits §140.6(a)2 /§170.2(e)1B (-)
(See Table I)	(See Table I)	(See Table J)			(See Table F)	(See Table P)					
Conditioned			=	≥			=				
Unconditioned	504			=	504	478	0	=	478	COMPLIES	
Controls Compliance (See Table H for Details)									COMPLIES		
One-for-one Luminaire Alterations Compliance (See Table Q, for Details)											

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Generated Date/Time:

Documentation Software: Energy Code Ace

Report Version: 2025.0.000

Compliance ID: ECA-371758-0326-0002

Schema Version: rev 20250101

Report Generated: 2026-03-25 10:25:56

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NREC-4110

Project Name: THREE RIVERS E5 ATHLETIC STORAGE AND SNACK BAR BUILDING

Report Page:

Page 3 of 7

41932 SIERRA DRIVE, THREE RIVERS, CA 93271

Date Prepared:

2026-03-25T13:25:42-04:00

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/hotel/motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Unconditioned Spaces

01 Name or Item Tag	02 Complete Luminaire Description	03 Modular (Track) Fixture	04 Small Aperture & Color Change ¹	05 Watts per luminaire ²	06 How is Wattage determined	07 Total Number of Luminaires	08 Excluded per §140.6(a)3 / §170.2(e)2C	09 Design Watts	10 Field Inspector	
									Pass	Fail
AE	1' x 4' SURFACE L.E.D.	No	NA	39	Mfr. Spec.	1	No	39	☐	☐
B, BE	8" LINEAR L.E.D.	No	NA	48	Mfr. Spec.	5	No	240	☐	☐
C, CE	8" LINEAR L.E.D.	No	NA	68	Mfr. Spec.	2	No	136	☐	☐
E	2' LINEAR L.E.D.	No	NA	48	Mfr. Spec.	1	No	48	☐	☐
		No	NA	15	Mfr. Spec.	1	No	15	☐	☐

Total Designed Watts: UNCONDITIONED SPACES 478

¹FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B / §170.2(e)2D is adjusted to be 75% / 80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

²Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) / §160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	Pass
Mandatory Demand Response §110.12(c)	Shut-off controls §130.1(c) / §160.5(b)4C	☐	☐

Generation Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.00

Schema Version: rev 20250101

Compliance ID: ECA-371758-0326-0002

Report Generated: 2026-03-25 10:25:05

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING

Report Page: Page 4 of 7

11512 SIERRA DRIVE, THREE RIVERS, CA 92371

Date Prepared: 2026-03-25T13:25:52-04:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

NA < 4,000W subject to multilevel

See Area/Space Level Controls (Column 8)

☐
☐

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Controls §130.1(a) /§160.5(b)4A	Multi-Level Controls §130.1(b) /§160.5(b)4B	Shut-Off Controls §130.1(c) /§160.5(b)4C	Primary/Sky lit Daylighting §130.1(d) /§160.5(b)4D	Secondary Daylighting §130.1(e) /§160.5(b)4D	Interlocked Systems §140.6(a)1/ §170.2(e)2 A	Field Inspector	
								Pass	Fail
STORAGE/SNACK BAR	School or Classroom	Readily Accessible and located in the same space.	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
						13			
						Plan Sheet Showing Daylit Zones:			
						E1.2			

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per §140.6(a) are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Unconditioned Spaces

01	02	03	04	05	06
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment Area Category PAF
STORAGE/SNACK BAR	School or Classroom	0.6	840	504	No No
			TOTALS:	840	504
				See Tables J, or P for detail	

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

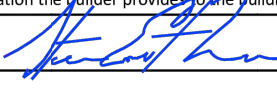
Report Version: 2025.0.000
Schema Version: rev 2030.101

Compliance ID: ECA-371758-0326-0002
Report Generated: 2026-03-25 10:25:56

STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION	
Indoor Lighting			
CERTIFICATE OF COMPLIANCE		NRCC-LTI-11	
Project Name:	THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING	Report Page:	(Page 6 of 7)
	41932 SIERRA DRIVE, THREE RIVERS, CA 93271	Date Prepared:	2026-03-25T13:25:52:04:0
V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE			
Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E.			
Additional Remarks: These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/tttc24/attcp/providers.html			
Form/Title		Systems/Spaces To Be Field Verified	
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.		STORAGE/SNACK BAR	
NRCA-LTI-03-A - Must be submitted for daylight responsive controls.		STORAGE/SNACK BAR	
Generated Date/Time:		Documentation Software: Energy Code Analyzer	
CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance		Compliance ID: ECA-371758-0326-0002	
Report Version: 2025.0.000		Report Generated: 2026-03-25 10:25:56	
Schema Version: rev 20250101			

STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION	
Indoor Lighting			
CERTIFICATE OF COMPLIANCE			
Project Name: THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING		Report Page: (Page 1 of 1)	
Project Address: 41932 SIERRA DRIVE, THREE RIVERS, CA 93271		Date Prepared: 2026-03-25T13:25:52-0800	

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Jeff Jackson Company: Rose Sing Eastham & Associates Address: 131 S. DUNWORTH ST City/State/Zip: VISALIA, CA 93292-6705	Documentation Author Signature:  Signature Date: 03-29-26 CEA/AEA/ECC Certification Identification (If applicable): Phone: (559) 733 - 2871 EXT. 104

RESPONSIBLE PERSON'S DECLARATION STATEMENT	
I certify the following under penalty of perjury, under the laws of the State of California:	
1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible design) 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.	
Responsible Person Name: Steve Eastham Responsible Person Scope: Company: Rose Sing Eastham and Associates Address: 131 S. DUNWORTH ST City/State/Zip: VISALIA, CA 93292-6705	Responsible Person Signature:  Date Signed: 03-29-26 License: E16786 Phone: (559) 733 - 2871 EXT. 101

Generated Date/Time:	Documentation Software: Energy Code Ace	
CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance	Report Version: 2025.0.000 Schema Version: rev 20250101	Compliance ID: ECA-371758-0326-0002 Report Generated: 2026-03-25 10:25:56

STATE OF CALIFORNIA	CALIFORNIA ENERGY COMMISSION	
Indoor Lighting		
CERTIFICATE OF COMPLIANCE		
Project Name:	THREE RIVERS ES-ATHLETIC STORAGE AND SNACK BAR BUILDING	Report Page: NRCC-LTI-E (Page 5 of 7)
	4102L SIERRA DRIVE, THREE RIVERS, CA 93271	Date Prepared: 2026-03-25T15:25:04-08:00

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. ONE-FOR-ONE LUMINAIRE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E.

Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title

NRCI-LTI-E - Must be submitted for all buildings

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000
Schema Version: rev 20250101

Documentation Software: Energy Code Ace

Compliance ID: ECA-371758-0326-0002
Report Generated: 2026-03-25 10:25:56

REGISTERED PROFESSIONAL ENGINEER
STEVEN KIRK EASTMAN
No. E 19886
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

Z:\Dorling\Jobs\SES\WOODS\Three Rivers\Three Rivers ES Athletic Storage and Snack Bar.dwg DATE: 02/09/26 BY: Casey DATE PLOTTED: 08/27/26 JOB #: 25-009-04

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name:THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING

Report Page:(Page 1 of 8)

Project Address:41932 SIERRA DR

Date Prepared:2026-02-09T15:49:02-05:00

A. GENERAL INFORMATION

01 Project Location (city)

THREE RIVERS

04 Total Illuminated Hardscape Area (ft²)

2040

02 Climate Zone

13

03 Outdoor Lighting Zone per Title 24 Part 1 §10.114 or as designated by Authority Having Jurisdiction (AHJ):

☐ L2-0: Very Low - Undeveloped Parkland

☐ L2-2: Moderate - Urban Clusters

☐ L2-4: High - Must be reviewed by CA Energy Commission for Approval

☐ L2-1: Low - Rural Areas

☒ L2-3: Moderately High - Urban Areas

05 Occupancy Types within Project

• School or Classroom

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 / §170.2(e)6 or §141.0(b)2L / §180.2(b)4Bv for alterations.

My Project Consists of:

01

☒ New Lighting System

Must Comply with Allowances from §140.7 / §170.2(e)6

02

☐ Altered Lighting System

Is your alteration increasing the connected lighting load (Watts)?

Yes

No

03

% of Existing Luminaires Being Altered¹

Sum Total of Luminaires Being Added or Altered

04

05

Calculation Method

☐ < 10%

☐ >= 10% and < 50%

☐ >= 50%

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

¹ FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000
Schema Version: rev 20250101

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Report Generated: 2026-02-09 12:49:04

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name:THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING

Report Page:(Page 2 of 8)

Date Prepared:2026-02-09T15:49:02-05:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table O. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) §140.7 / §170.2(e)6 or §141.0(b)2L / §180.2(b)4Bv

01	02	03	04	05	06	07	08	09
General Hardscape Allowance §140.7(d)1 / §170.2(e)6 (See Table I)	+ Per Application §140.7(d)2 / §170.2(e)6 (See Table J)	+ Sales Frontage §140.7(d)2 (See Table K)	+ Ornamental §140.7(d)2 / §170.2(e)6 (See Table L)	+ Per Specific Area §140.7(d)2 / §170.2(e)6 (See Table M)	OR Existing Power Allowance §141.0(b)2L / §180.2(b)4Bv (See Table N)	= Total Allowed (Watts)	≥ Total Actual (Watts)	07 must be ≥ 08
1,048.5	+	---	+	---	+	---	OR ---	= 1,048.5 ≥ 870 COMPLIES
Shielding Compliance (See Table G for Details)							COMPLIES	
Controls Compliance (See Table H for Details)							COMPLIES	

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000
Schema Version: rev 20250101

Compliance ID: ECA-371758-0226-0003
Report Generated: 2026-02-09 12:49:04

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name:THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING

Report Page:(Page 3 of 8)

Date Prepared:2026-02-09T15:49:02-05:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with §140.7 / §170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire ^{1,2}	How is Wattage determined	Total Number Luminaires ²	Luminaire Status ³	Excluded per §140.7(a) / §170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output §130.2(b) / §160.5(c)11 + NA: < 6200 lumens	Field Inspector
L1, L1E	L.E.D. WALL PACK	☐ Linear	15	Mfr. Spec.	12	New	☐	180	☐
P1	25' L.E.D. POLE	☐ Linear	138	Mfr. Spec.	5	New	☐	690	☐
Total Design Watts:							870		

¹ NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
² EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b)

¹ FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) / §160.5(d)
² For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.
³ Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.
⁴ Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by §130.2(b) / §160.5(c)

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000
Schema Version: rev 20250101

Compliance ID: ECA-371758-0226-0003
Report Generated: 2026-02-09 12:49:04

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name:THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING

Report Page:(Page 4 of 8)

Date Prepared:2026-02-09T15:49:02-05:00

G. SHIELDING REQUIREMENTS (BUG)

This table includes fixtures of >=6,200 initial lumens indicated on Table F as needing to comply with Shielding Requirements. Maximum lumens can be found in Title 24, Part 11, Section 5.106.8.

01	02	03	04	05	06	07	08	09	10	11	12	
Name or Item Tag	Complete Luminaire Description	Backlight Rating ²	Uplight Rating ²	Glare Rating (Lumens) ²	Field Inspector							
		Mounting Height ¹	Max Allowable Backlight Rating ²	Backlight Rating Per Design	Lighting type	Max Allowable Uplight Rating ³	Uplight Rating Per Design	Mounting Height ¹	Max Allowable Glare Rating ⁴	Glare Rating Per Design	Pass	Fail
P1	25' L.E.D. POLE	2 MH from property line	No Limit	80	Area Lighting	U0	U0	> 2 MH from property line	G3	G3	☐	☐

¹ FOOTNOTES: Mounting Height is labeled MH in this table.
² Authority Having Jurisdiction may ask for Luminaire cut sheets or other documentation to confirm luminaire type, uplight ratings and glare ratings used for compliance per §130.2(b) / §160.5(c)
³ BUG ratings with a lower number than the "Max Allowable" are compliant. Ex. If Max Allowable is Bug Rating B4, then B0, B1, B2 and B3 are all compliant.

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000
Schema Version: rev 20250101

Compliance ID: ECA-371758-0226-0003
Report Generated: 2026-02-09 12:49:04

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name:THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING

Report Page:(Page 5 of 8)

Date Prepared:2026-02-09T15:49:02-05:00

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.

Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05
Area Description	Shut-Off §130.2(c)1 / §160.5(c)	Auto-Schedule §130.2(c)2 / §160.5(c)	Motion Sensor §130.2(c)3 / §160.5(c)	Field Inspector
WALKWAY: "L1, L1E"	Astronomical Timer	Provided	NA: Each Luminaire <= 40 Watts	☐
WALKWAY: "P1"	Astronomical Timer	Provided	Provided	☐

¹ FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.
² Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.
³ Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000
Schema Version: rev 20250101

Compliance ID: ECA-371758-0226-0003
Report Generated: 2026-02-09 12:49:04

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name:THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING

Report Page:(Page 6 of 8)

Date Prepared:2026-02-09T15:49:02-05:00

I. LIGHTING POWER ALLOWANCE (per §140.7 / §170.2(e))

This table includes areas using allowance calculations per §140.7 / §170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B/Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance. Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

01	02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA)		Linear Wattage Allowance (LWA)		Total General AWA + LWA (Watts)			
	Illuminated Area (ft ²)	Allowed Density (W/ft ²)	Area Allowance (Watts)	Perimeter Length (W/ft)	Allowed Density (W/ft)	Linear Allowance (Watts)		
WALKWAY	25776	0.021	541.3	1286	0.2	257.2	798.5	
Initial Wattage Allowance for Entire Site (Watts):							250	
Instances of Initial Wattage Allowance (L2 0 only) ¹								
Total General Hardscape Allowance (Watts):							1048.5	

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000
Schema Version: rev 20250101

Compliance ID: ECA-371758-0226-0003
Report Generated: 2026-02-09 12:49:04

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name:THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING

Report Page:(Page 7 of 8)

Date Prepared:2026-02-09T15:49:02-05:00

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title

NRCC-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title

Systems/Spaces To Be Field Verified

NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.

WALKWAY: "L1, L1E"; WALKWAY: "P1"

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000
Schema Version: rev 20250101

Compliance ID: ECA-371758-0226-0003
Report Generated: 2026-02-09 12:49:04

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name:THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING

Report Page:(Page 8 of 8)

Project Address:41932 SIERRA DR

Date Prepared:2026-02-09T15:49:02-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Jeff Jackson

Documentation Author Signature: 

Company: Rose Sing Eastham & Associates

Signature Date: 26-02-09

Address: 131 S DUNWORTH

CEA/AEA/ECC Certification Identification (if applicable):

City/State/Zip: VISALIA, CA 93292

Phone: 559-733-2671 EXT. 104

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

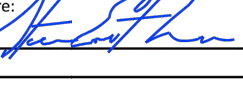
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 5 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Person Name: Steven Eastham

Responsible Person Signature: 

Responsible Person Scope:

Company: Rose Sing Eastham

Date Signed: 26-02-09

Address: 131 S DUNWORTH

License: 6-18786

City/State/Zip: VISALIA, CA 93292

Phone: 559-733-2671 EXT. 101

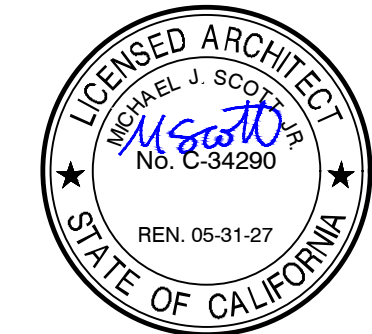
Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000
Schema Version: rev 20250101

Compliance ID: ECA-371758-0226-0003
Report Generated: 2026-02-09 12:49:04



DATE: MARCH 31, 2026

NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL
41932 SIERRA DR., THREE RIVERS, CA 93271
THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

REVISIONS									
	△	△	△	△	△	△	△	△	△

ARCHITECTURE
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MANGINI
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
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(559) 627-0530 Office
(559) 627-1926 Fax



Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705

TITLE	OUTDOOR LIGHTING COMPLIANCE
PROJECT	25057

EG1.3

Z:\Dorling\Jobs\NRC\NRC\NRC\Three Rivers ES Athletic Storage and Snack Bar Bldg\EG1.4.dwg DATE: 02/02/26 BY: Casey DATE PLOTTED: 08/27/26 JOB #: 26-009-04

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Electrical Power Distribution

CERTIFICATE OF COMPLIANCE

NRCC-ELC-E

This document is used to demonstrate compliance with mandatory requirements in §130.5, for electrical systems in newly constructed nonresidential and hotel/motel occupancies and §160.6 and §160.9 for electrical systems in newly constructed multifamily occupancies. Additions and alterations to electrical service systems in nonresidential and hotel/motel occupancies will also use this document to demonstrate compliance per §141.0(a) or §141.0(b)2P for alterations. For multifamily addition or alterations compliance will be documented per §180.1(a) or §180.2 (b)4Bvii.

Project Name: THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING

Report Page: (Page 1 of 4)

Project Address: 41932 SIERRA DR

Date Prepared: 2026-02-09T15:44:58-05:00

A. GENERAL INFORMATION

01	Project Location (city)	THREE RIVERS	02	Climate Zone	13
			03	Occupancy Types Within Project:	
• School or Classroom					

B. PROJECT SCOPE

This table includes electrical systems that are within the scope of the permit application.

01	02	03	04	05	06	07
Electrical Service Designation/Description	Scope of Work ¹	Rating ² (kVA)	Utility Provided Metering System Exception to §130.5(a)/§160.6(a) ³	System subject to CA Elec Code Article 517 Exception to §130.5(a) and (b)	Demand Response Controls	Provides power to dwelling units/common living areas only in multifamily occupancy
EXISTING MAIN SWITCHBOARD "MSB"	Add/Alt to feeders and branch circuits only	---	☐	☐	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §120.2/§160.3, §130.1/§160.5, and §130.3/§160.5, and mechanical, indoor lighting, and sign lighting Certificate of Compliance documents will indicate when demand response controls are required.	☐

Footnotes: Adding only new feeders and branch circuits triggers Voltage Drop §130.5(c)/§160.6(c), no other requirements from §130.5/160.6 are required.

¹ If common use areas in a multifamily are submetered, rating is for submeter size serving common use areas.

³ Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000
Schema Version: rev 20250101

Generated Date/Time: Documentation Software: Energy Code Ace
Compliance ID: ECA-371758-0226-0001
Report Generated: 2026-02-09 12:45:00

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Electrical Power Distribution

CERTIFICATE OF COMPLIANCE

NRCC-ELC-E

Project Name: THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING

Report Page: (Page 2 of 4)

Project Address: 41932 SIERRA DR

Date Prepared: 2026-02-09T15:44:58-05:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through J. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01	02	03	04	05	06				
Service Electrical Metering §130.5(a)/ §160.6(a) (See Table F)	AND	Separation for Monitoring §130.5(b)/ §160.6(b) (See Table G)	AND	Voltage Drop §130.5(c)/ §160.6(c) (See Table H)	AND	Controlled Receptacles §130.5(d)/ §160.6(d) (See Table I)	AND	Electric Ready §160.9 (See Table J)	Compliance Results
AND		AND	Yes	AND					COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

H. VOLTAGE DROP

This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c)/ §160.6(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)2Piii/ §180.2(b)4Bviii.

01	02	03	04	05
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	Location of Voltage Drop Calculations ¹	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector
EXISTING MAIN SWITCHBOARD "MSB"	☒ Voltage drop less than 5%	☐ Permitted by CA Elec Code (Exception to §130.5(c)) ¹	In construction documents	E3.1
				☐ Pass ☐ Fail

* NOTES: If "Permitted by CA Elec Code" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.

¹ FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000
Schema Version: rev 20250101

Generated Date/Time: Documentation Software: Energy Code Ace
Compliance ID: ECA-371758-0226-0001
Report Generated: 2026-02-09 12:45:00

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Electrical Power Distribution

CERTIFICATE OF COMPLIANCE

NRCC-ELC-E

Project Name: THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING

Report Page: (Page 3 of 4)

Project Address: 41932 SIERRA DR

Date Prepared: 2026-02-09T15:44:58-05:00

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title

NRCC-ELC-E - Must be submitted for all buildings

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000
Schema Version: rev 20250101

Generated Date/Time: Documentation Software: Energy Code Ace
Compliance ID: ECA-371758-0226-0001
Report Generated: 2026-02-09 12:45:00

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Electrical Power Distribution

CERTIFICATE OF COMPLIANCE

NRCC-ELC-E

Project Name: THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING

Report Page: (Page 4 of 4)

Project Address: 41932 SIERRA DR

Date Prepared: 2026-02-09T15:44:58-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Jeff Jackson

Signature Date: 26-02-09

Company: Rose Sing Eastham & Associates

Address: 131 S DUNWORTH

City/State/Zip: VISALIA, CA 93292

CEA/AEA/ECC Certification Identification (if applicable):

Phone: 559-733-2671 EXT. 104

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 5 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Person Name: Steven Eastham

Responsible Person Signature: [Signature]

Responsible Person Scope:

Company: Rose Sing Eastham

Address: 131 S DUNWORTH

City/State/Zip: VISALIA, CA 93292

Date Signed: 26-02-09

License: 6-18786

Phone: 559-733-2671 EXT. 101

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000
Schema Version: rev 20250101

Generated Date/Time: Documentation Software: Energy Code Ace
Compliance ID: ECA-371758-0226-0001
Report Generated: 2026-02-09 12:45:00

APPROVALS
FILE # 54-96 APPLICATION # 02-124067

DATE: MARCH 31, 2026

NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL
41932 SIERRA DR., THREE RIVERS, CA 93271
THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

REVISIONS									
	△	△	△	△	△	△	△	△	△

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Visalia, California 93292-6705

ARCHITECTURE

INGENUITY

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MANGINI ASSOCIATES INC.

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www.mangini.us

(559) 627 0530 Office

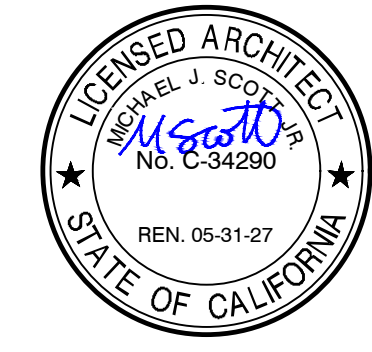
(559) 627 1926 Fax

TITLE

POWER COMPLIANCE

EG1.4

PROJECT 25057



DATE: MARCH 31, 2026

NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL
41932 SIERRA DR., THREE RIVERS, CA 93271
THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

REVISIONS

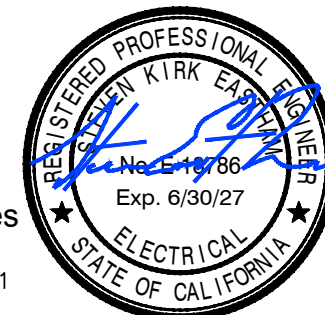
1	
2	
3	
4	
5	

ARCHITECTURE
INGENUITY
MANGINI
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
(559) 627-0530 Office
(559) 627-1926 Fax

TITLE
SOLAR AND BATTERY
COMPLIANCE

EG1.5

PROJECT 25057



Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705

STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION	
Solar And Battery		Solar And Battery	
CERTIFICATE OF COMPLIANCE		CERTIFICATE OF COMPLIANCE	
Project Name: THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING		Report Page: (Page 7 of 8)	
Date Prepared: 2026-02-09T15:50:27-05:00		Date Prepared: 2026-02-09T15:50:27-05:00	
K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION			
Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included Table E. Additional Remarks and ExceptionalConditionMessageCCSABE == UserChangedSelectionCI. These documents must be provided to the building inspector during construction and can be found online			
Form/Title			
NRCC-SAB-01-E - Must be submitted for all buildings that must comply with solar readiness or PV/Battery requirements.			
L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE			
There are no forms required for this project.			
CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance		Generated Date/Time: 2025.0.000 Schema Version: rev 20250101	
Compliance ID: ECA-371758-0226-0004		Report Generated: 2026-02-09 12:50:29	

STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION	
Solar And Battery		Solar And Battery	
CERTIFICATE OF COMPLIANCE		CERTIFICATE OF COMPLIANCE	
Project Name: THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING		Report Page: (Page 8 of 8)	
Date Prepared: 2026-02-09T15:50:27-05:00		Date Prepared: 2026-02-09T15:50:27-05:00	
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT			
I certify that this Certificate of Compliance documentation is accurate and complete.			
Documentation Author Name: Jeff Jackson		Documentation Author Signature:	
Company: Rose Sing Eastham & Associates		Signature Date: 26-02-09	
Address: 131 S DUNWORTH		CEA/AEA/ECC Certification Identification (if applicable):	
City/State/Zip: VISALIA, CA 93292		Phone: 559-733-2671 EXT. 104	
RESPONSIBLE PERSON'S DECLARATION STATEMENT			
I certify the following under penalty of perjury, under the laws of the State of California:			
1. The information provided on this Certificate of Compliance is true and correct.			
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)			
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 5 of the California Code of Regulations.			
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.			
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.			
Responsible Person Name: Steven Eastham		Responsible Person Signature:	
Responsible Person Scope: Company: Rose Sing Eastham		Date Signed: 26-02-09	
Address: 131 S DUNWORTH		License: 6-18786	
City/State/Zip: VISALIA, CA 93292		Phone: 559-733-2671 EXT. 101	
CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance		Generated Date/Time: 2025.0.000 Schema Version: rev 20250101	
Compliance ID: ECA-371758-0226-0004		Report Generated: 2026-02-09 12:50:29	

STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION								
Solar And Battery		Solar And Battery								
CERTIFICATE OF COMPLIANCE		CERTIFICATE OF COMPLIANCE								
Project Name: THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING		Report Page: (Page 4 of 8)								
Date Prepared: 2026-02-09T15:50:27-05:00		Date Prepared: 2026-02-09T15:50:27-05:00								
F. ALLOCATED SOLAR ZONE										
This table is completed if the project is designating a solar zone to comply with §110.10(b)1B. New construction consider the total roof area; Additions consider newly added roof area. This table demonstrates that the project has designated the minimum area required for the Allocated Solar Zone, and also that the requirements for Solar Zone Subareas have been met. Each subarea must be shown on a roof plan or documented in construction documents. The solar zones must also comply with fire code requirements, including, but not limited to, setback and pathway requirements. Requirements for interconnection pathways must also be included in construction documents, and the location is specified in this table.										
Required Minimum Solar Zone										
01	02	03	04	05	06	07	08			
Minimum Solar Zone Area Calculation Method	Total New or Added Roof Area (ft²)	Total New or Added Roof Area Covered with Skylights (ft²)	Minimum Solar Zone Based on Total or Added Roof Area (0.15 x (Roof-SkyRt) (ft²)	Method/ Tools Used to Determine Annual Solar Access for Potential Zones	Potential Solar Zone Areas: Roof areas with >= 70% Solar Access Low-Sloped Area (<= 2:12 pitch) (ft²) Steep-Sloped Area (> 2:12 pitch) Oriented 90° - 300° (ft²)	Minimum Solar Zone Based on Potential Zone (0.5 x (Total Potential Zone)) (ft²)	Required Minimum Solar Zone Area (ft²)			
Total New or Added Roof Area	1332	0	199.8				199.8			
Designated Solar Zone Subareas										
09	10	11	12	13	14	15	16	17	18	19
Subarea Name or Tag	Building Plan Reference	Roof or Overhang Slope (Low <= 2:12 pitch) (Steep > 2:12 pitch)	Is Steep-Sloped Roof or Overhang between 90 and 300 degrees?	Subarea Complies with Title 24, Part 9	Solar Zone Free of Obstructions per §110.10(b)3 A	Subarea Is Required Distance from Potential Obstructions per §110.10(b)3 B	Is the Smallest Dimension 5 feet or greater?	Min. Area Required per Subarea (ft²)	Designated Area (ft²)	Subarea Complies?
SOLAR ZONE AREA	E1.1	Steep slope	Yes	Yes	Yes	Yes	Yes	80	200	COMPLIES
CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance		Generated Date/Time: 2025.0.000 Schema Version: rev 20250101		Compliance ID: ECA-371758-0226-0004		Report Generated: 2026-02-09 12:50:29				

STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION	
Solar And Battery		Solar And Battery	
CERTIFICATE OF COMPLIANCE		CERTIFICATE OF COMPLIANCE	
Project Name: THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING		Report Page: (Page 5 of 8)	
Date Prepared: 2026-02-09T15:50:27-05:00		Date Prepared: 2026-02-09T15:50:27-05:00	
Interconnection Pathways			
Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).		ES1.2	
FOOTNOTE: This field is used to document how the percentage of annual solar access was determined per §110.10(b)1B. Solar access is the ratio of solar insulation including shade to the solar insulation without shade. Shading from obstructions located on the roof or any other part of the building shall not be included in the determination of annual solar access.			
G. PERMANENTLY INSTALLED SOLAR PV FOR SOLAR READY EXCEPTION			
This section does not apply to this project.			
H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEMS			
This section does not apply to this project.			
I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE FOR SOLAR READY EXCEPTION			
This section does not apply to this project.			
CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance		Generated Date/Time: 2025.0.000 Schema Version: rev 20250101	
Compliance ID: ECA-371758-0226-0004		Report Generated: 2026-02-09 12:50:29	

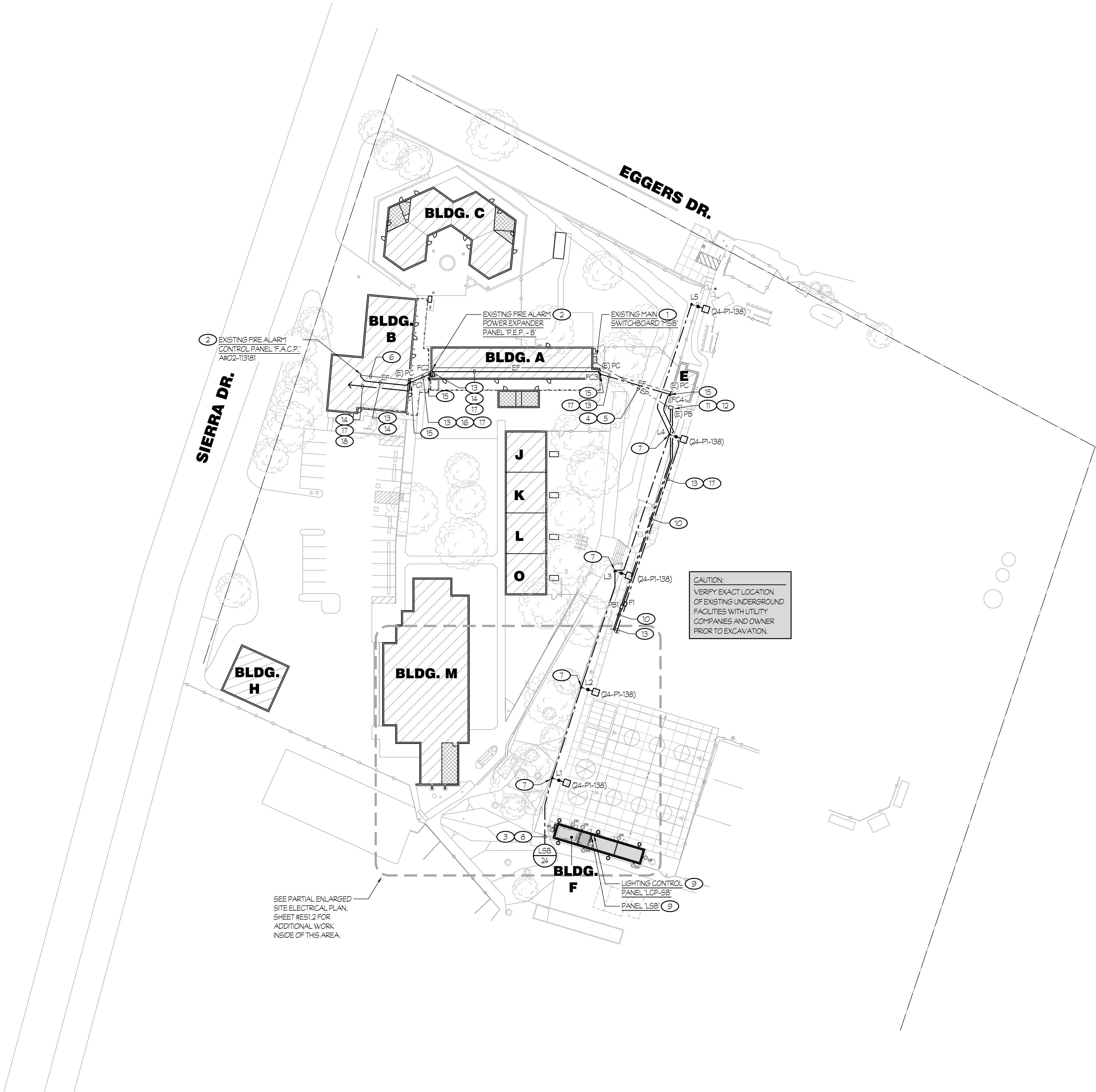
STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION					
Solar And Battery		Solar And Battery					
CERTIFICATE OF COMPLIANCE		CERTIFICATE OF COMPLIANCE					
Project Name: THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING		Report Page: (Page 6 of 8)					
Date Prepared: 2026-02-09T15:50:27-05:00		Date Prepared: 2026-02-09T15:50:27-05:00					
J. PHOTOVOLTAIC (PV) AND BATTERY ENERGY STORAGE SYSTEMS							
This table documents compliance with prescriptive photovoltaic and battery system requirements in §140.10/ §170.2(g and h). Unless the project meets one of the listed exceptions, or trades-off PV in an energy model using performance path, §140.10/ §170.2(g and h) requires installed photovoltaic and battery systems for newly constructed buildings. The installed PV systems must meet the minimum requirements in Joint Appendix 11.							
Photovoltaic (PV) System							
Equation 140.10-A/170.2-D Calculation Method							
01	02	03	04				
Building Type	Conditioned Floor Area (ft²)	Tenant Space Exception to §140.10(a)/§170.2(g) (Must check all to meet Exception)	Min Size of PV System Required (kWdc)				
School or Classroom	0	☐ Tenant space is served by HVAC system that does not serve other tenant spaces in the building ☐ Tenant space has individual utility meter that does not include electric consumption of other tenant spaces in the building ☐ Commission has not approved community solar program applicable to this project ☐ Load serving entity does not provide program for virtual energy bill credits	0				
SARA Calculation Method							
05	06	07	08	09	10	11	12
Roof Name	Roof Slope	Area of New Roof¹ (ft²)	Roof Area < 70% Solar Access² (ft²)	Plansheet or Document showing Solar Access Calculations	Roof area occupied, no structural support, not available due to other state codes, < 80 contiguous (ft²)	Solar Access Roof Area (SARA) (ft²)	Min Capacity of PV System Required (kWdc)
SNACK BAR ROOF	>= 2:12	1,332	0	N/A	671	661	11.89
Total Min Size PV System Required for all Spaces (kWdc):				0			
Total Size PV System in Design (kWdc):				0			
FOOTNOTES: Includes the area of the building's roof space capable of structurally supporting a PV system and the area of all roof space on covered parking areas, carports, and all other newly constructed structures on the site that are compatible with supporting a PV system per Title 24, Part 2 Section 1511.2.							
¹Solar access must be determined using CEC approved solar access calculation tools found at https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-design-tools/solar-assessment-tools.							
²As specified by CBC Section 503.1.4.							
CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance		Generated Date/Time: 2025.0.000 Schema Version: rev 20250101		Compliance ID: ECA-371758-0226-0004		Report Generated: 2026-02-09 12:50:29	

STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION	
Solar And Battery		Solar And Battery	
CERTIFICATE OF COMPLIANCE		CERTIFICATE OF COMPLIANCE	
Project Name: THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING		Report Page: (Page 1 of 8)	
Date Prepared: 2026-02-09T15:50:27-05:00		Date Prepared: 2026-02-09T15:50:27-05:00	
A. GENERAL INFORMATION			
01	Project Location (city)	04	Building Occupancies
02	Climate Zone	05	Construction Type
03	Square Footage of Building (ft²)	06	Number of Stories
	THREE RIVERS		School or Classroom
	13		New construction
	840		Bldg <= 3 stories
B. PROJECT SCOPE			
The compliance path the project is using to comply per §110.10(b)1B/ §140.10/ §170.2(g and h) is indicated below.			
Compliance with Solar Readiness Requirements in §110.10(b)1B			
01			
☒ Provide Solar Ready Area no exceptions		The project has allocated a solar zone on the roof plan per requirements in §110.10(b), as documented in Table F.	
☐ Exception to Solar Ready Area: Installed Solar Photovoltaic System		The project includes a permanently installed solar electric system having a nameplate DC power rating, measured under Standard Test Conditions, of no less than one watt per square foot of roof area as documented in Table G.	
☐ Exception to Solar Ready Area: Installed Solar Water Heating System		The project is a hotel/motel or high-rise multifamily occupancy and includes a permanently installed domestic solar water-heating system complying with §170.2(d)2Bi and Reference Residential Appendix RA4, as documented in Table H.	
☐ Exception to Solar Ready Area: Smart Thermostat and Alternative Energy Efficiency Measure		The project is a multifamily occupancy where all thermostats in each dwelling unit comply with §110.112(a) AND at least one additional measure listed in Exception 4 to §110.10(b)1B is installed, as documented in Table I.	
☐ Exception to Solar Ready Area: Roof is designed for vehicular traffic, parking or for heliport		Plan sheet showing roof designed for vehicular traffic, parking or heliport	
☐ Exception to Solar Ready Area: Roof too small		The project is new construction and has a total roof area <= 533 square feet ¹	
☐ Exception to Solar Ready Area: Number of building stories		The project is nonresidential > 3 stories or multifamily/ hotel/motel > 10 stories.	
CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance		Generated Date/Time: 2025.0.000 Schema Version: rev 20250101	
Compliance ID: ECA-371758-0226-0004		Report Generated: 2026-02-09 12:50:29	

STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION	
Solar And Battery		Solar And Battery	
CERTIFICATE OF COMPLIANCE		CERTIFICATE OF COMPLIANCE	
Project Name: THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING		Report Page: (Page 2 of 8)	
Date Prepared: 2026-02-09T15:50:27-05:00		Date Prepared: 2026-02-09T15:50:27-05:00	
FOOTNOTE: Buildings with roof area <=533 ft² would have a required solar zone < 80 ft² and are therefore exempt per §110.10(b)1.			
Compliance with Solar Photovoltaic (PV) and Battery Requirements in §140.10/ §170.2(g and h)			
01			
☐ Provided PV system and battery storage sized per §140.10/ §170.2 (g and h)		The project has included an installed PV system and battery storage system per requirements in §140.10/ §170.2(g and h) as documented in Table J.	
☐ Exception to PV and Battery: Not enough Solar Access Roof Area		The total of all available Solar Access Roof Area(s) of the project site is less than three percent of the conditioned floor area as documented in Table J per Exception 1 to Section 140.10(a) & Exception 1 to Section 170.2(g).	
☒ Exception to PV and Battery: Required PV < 4kW		The required PV system capacity is less than 4 kW dc as documented in Table J per Exception 2 to Section 140.10(a) & Exception 2 to Section 170.2(g).	
☐ Exception to PV and Battery: No contiguous Solar Access Roof Area		The Solar Access Roof Area(s) of the project site contains less than 80 contiguous square feet as documented in Table J per Exception 3 to Section 140.10(a) & Exception 3 to Section 170.2(g).	
☐ Exception to PV and Battery: Can't meet snow load		The project has a roof design where the enforcement authority has verified it is not possible for the PV system, including panels, modules, components, supports, and attachments to the roof structure, to meet ASCE 7-16 Chapter 7, Snow Loads per Exception 4 to Section 140.10(a) & Exception 4 to 170.2(g).	
☐ Exception to PV and Battery: Multifamily without virtual energy credits		The project is a multifamily building in an area where a load serving entity does not provide a program where PV generation is compensated through virtual energy bill credits. Also, there is no community solar program and the utility does not support a virtual energy bill program per exception 5 to 170.2(g).	
Compliance with Solar Thermal Water Heating Requirements in §170.2(d)2Bi (Multifamily and hotel/ motel occupancies only)			
01			
☐ The project includes a hotel/motel or multifamily occupancy with a gas or propane central water-heating system (serves 2+ dwelling units) and includes a permanently installed domestic solar water-heating system to comply with §170.2(d)2Bi and Reference Residential Appendix RA4, as documented in Table H.		Compliance meets Exception 2 to solar ready requirements in §110.10(b).	
CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance		Generated Date/Time: 2025.0.000 Schema Version: rev 20250101	
Compliance ID: ECA-371758-0226-0004		Report Generated: 2026-02-09 12:50:29	

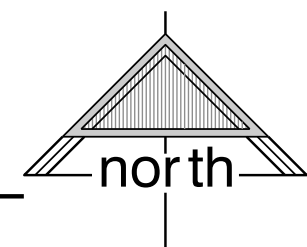
STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION							
Solar And Battery		Solar And Battery							
CERTIFICATE OF COMPLIANCE		CERTIFICATE OF COMPLIANCE							
Project Name: THREE RIVERS ES ATHLETIC STORAGE AND SNACK BAR BUILDING		Report Page: (Page 3 of 8)							
Date Prepared: 2026-02-09T15:50:27-05:00		Date Prepared: 2026-02-09T15:50:27-05:00							
C. COMPLIANCE RESULTS									
Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance or see the applicable Table referenced below.									
Allocated Solar Zone		Installed PV System		Installed SWH System		Smart Tstat and Alternative EE Measure		Compliance Results	
01	02	03	04	05	06	07	08		
Required Minimum Area (ft²)	<= Designated Area (ft²)	OR	Required Minimum DC Power Rating (Watts)	<= Designated DC Power Rating (Watts)	OR	Required Minimum Savings Fraction	Designed/Rated Solar Savings Fraction	OR	JAS Compliant Thermostat Specified?
(See Table F)			(See Tables G or J)			(See Table H)		(See Table I)	
199.8	<= 200	OR	0	<= 0	OR	<=	<=	OR	
ES1.2									
Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).									
Battery storage system design meets the minimum requirements in Joint Appendix JA12 and the minimum energy (kWh)/ power (kW) capacity per Table J.									
								COMPLIES	
								COMPLIES	
								Not Applicable	
D. EXCEPTIONAL CONDITIONS									
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.									
E. ADDITIONAL REMARKS									
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.									
CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance		Generated Date/Time: 2025.0.000 Schema Version: rev 20250101		Compliance ID: ECA-371758-0226-0004		Report Generated: 2026-02-09 12:50:29			

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OVERALL SITE ELECTRICAL PLAN

SCALE: 1" = 40'-0"



NOTES (THIS SHEET ONLY):

- TO REMAIN IN USE. SEE ONE LINE DIAGRAM, #1/E3.1 FOR ADDITIONAL INFORMATION.
- TO REMAIN IN USE. SEE FIRE ALARM SYSTEM EQUIPMENT RISER DIAGRAM, #1/E2.2 FOR ADDITIONAL INFORMATION.
- 3/4" C - 2 #10 + 1 #12 GND.
- EXISTING SPARE CONDUIT(S). IN EXISTING SPARE 2" C PULL IN NEW CONDUCTORS PER ONE LINE DIAGRAM, #1/E3.1.
- EP DENOTES EXISTING POWER CONDUIT. TYPICAL, U.O.N.
- EF DENOTES EXISTING FIRE ALARM CONDUIT. TYPICAL, U.O.N.
- PROVIDE NEW PULL BOX PER DETAILS #3/E3.3 AND #4/E3.3.
- ROUTE CIRCUIT THROUGH LIGHTING CONTROL PANEL LCP-SB.
- SEE POWER PLAN, SHEET #E1.1, FOR EXACT LOCATION AND REQUIREMENTS.
- FEEDER PER ONE LINE DIAGRAM, #1/E3.1.
- ACCESS AS REQUIRED TO DO NEW WORK AS NOTED.
- PICK UP EXISTING SPARE 2" C INSIDE OF EXISTING PULL BOX AND EXTEND WITH NEW AS SHOWN. PULL IN NEW CONDUCTORS PER ONE LINE DIAGRAM, #1/E3.1.
- FIRE ALARM CONDUIT AND WIRING PER FIRE ALARM SYSTEM RISER DIAGRAM, #1/E2.2.
- ROUTE CONDUIT IN ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING.
- PROVIDE NEW 18" W x 18" H x 12" DP, NEMA 3R PULL ENCLOSURE HIGH UP ON WALL ABOVE T-BAR CEILING. SEAL ALL PENETRATIONS THROUGH WALL TO PREVENT LEAKS.
- ROUTE CONDUIT ON EXISTING WALK COVER.
- ONE 2" C WITH ONE 'SFO' CABLE (DATA), ONE 2" C (SECURITY).
- TO M.D.F., CONTRACTOR TO VERIFY ROUTE AT SITE.
- EXISTING FIRE ALARM CONTROL WAS APPROVED AND INSTALLED UNDER DSA APPLICATION #02-1131B1 ON JANUARY 8TH 2014.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL

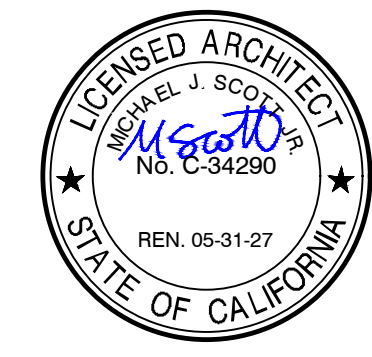
THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

THE FIRE ALARM SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE DETECTION SYSTEM, PER C.F.C. SECTION 907.2.3.6, AND SHALL COVER EVERY ROOM AND/OR AREA. UPON THE ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705



APPROVALS
FILE # 54-96 APPLICATION # 02-124067



DATE: MARCH 31, 2026

**NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL**
41932 SIERRA DR., THREE RIVERS, CA 93271
THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

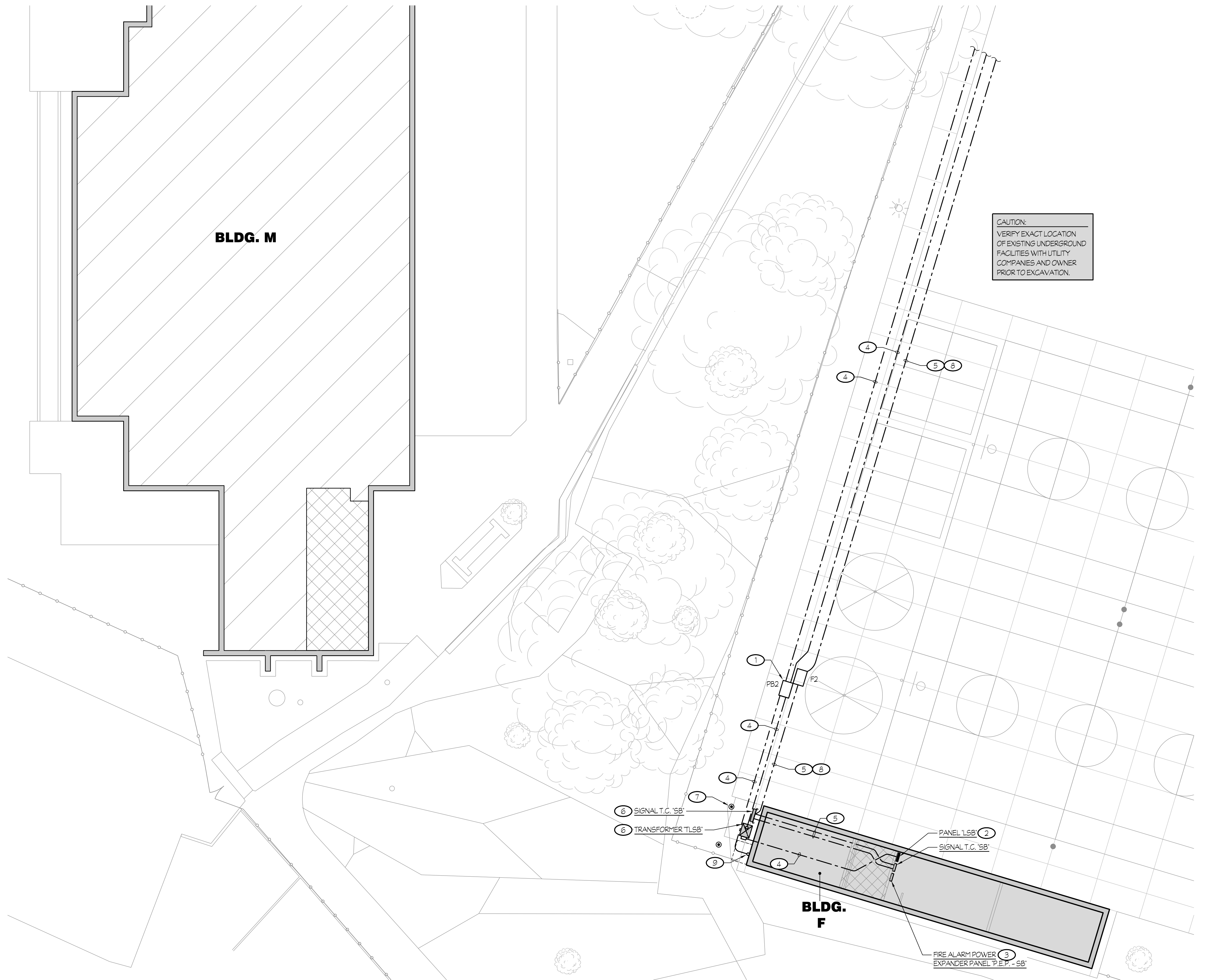
REVISIONS

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www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291

TITLE
OVERALL SITE
ELECTRICAL PLAN

ES1.1
PROJECT **25057**

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PARTIAL ENLARGED SITE ELECTRICAL PLAN

SCALE: 1" = 10'-0"

NOTES (THIS SHEET ONLY):

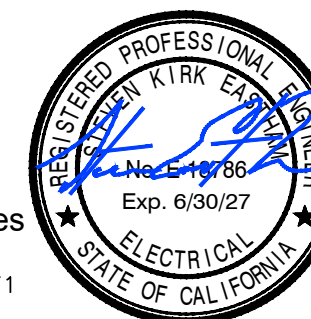
- ① PROVIDE NEW PULL BOX PER DETAILS #3/E3.3 AND #4/E3.3. TYPICAL, U.O.N..
- ② SEE POWER PLAN ON SHEET #E1.1 FOR EXACT LOCATION AND REQUIREMENTS.
- ③ SEE FIRE ALARM PLANS ON SHEET #E1.3 FOR EXACT LOCATION AND REQUIREMENTS.
- ④ FEEDER(S) PER ONE LINE DIAGRAM, #1/E3.1.
- ⑤ CONDUIT AND WIRING PER FIRE ALARM SYSTEM RISER DIAGRAM, #1/E2.2.
- ⑥ MOUNT PER DETAIL #8/E3.3.
- ⑦ PROVIDE GROUNDING AND BONDING PER DETAIL #5/E3.3.
- ⑧ ONE 2" C WITH ONE 'SFO' CABLE (DATA), ONE 2" C (SECURITY), PLUS NYLON PULL ROPE.
- ⑨ STUB-UP CONDUIT ON WALL TO +12' A.F.G., FOR FUTURE SOLAR EQUIPMENT CONNECTIONS.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL

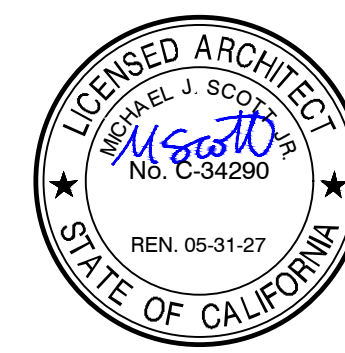
THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

THE FIRE ALARM SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE DETECTION SYSTEM, PER C.F.C. SECTION 907.2.3.6, AND SHALL COVER EVERY ROOM AND/OR AREA. UPON THE ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).

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Visalia, California 93292-6705



APPROVALS
FILE # 54-96 APPLICATION # 02-124067



DATE: MARCH 31, 2026

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REVISIONS	

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4320 West Mineral King Avenue
Visalia, California 93291
(559) 627-1926 Fax

TITLE
**PARTIAL ENLARGED
SITE ELECTRICAL
PLAN**

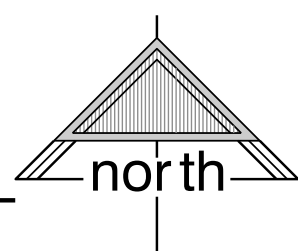
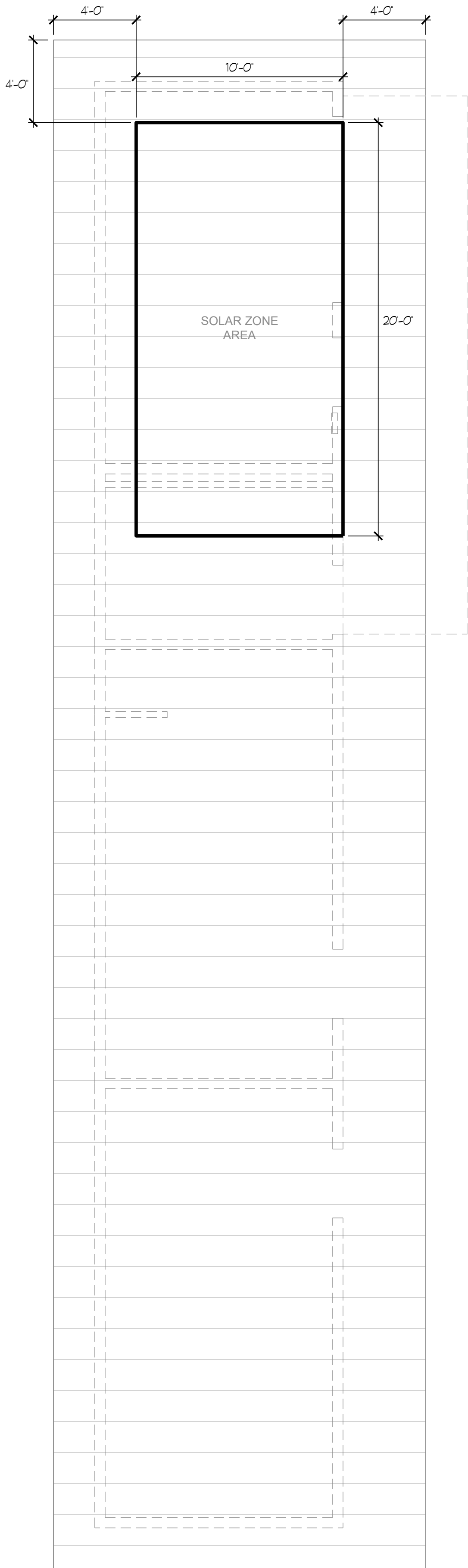
ES1.2

PROJECT **25057**

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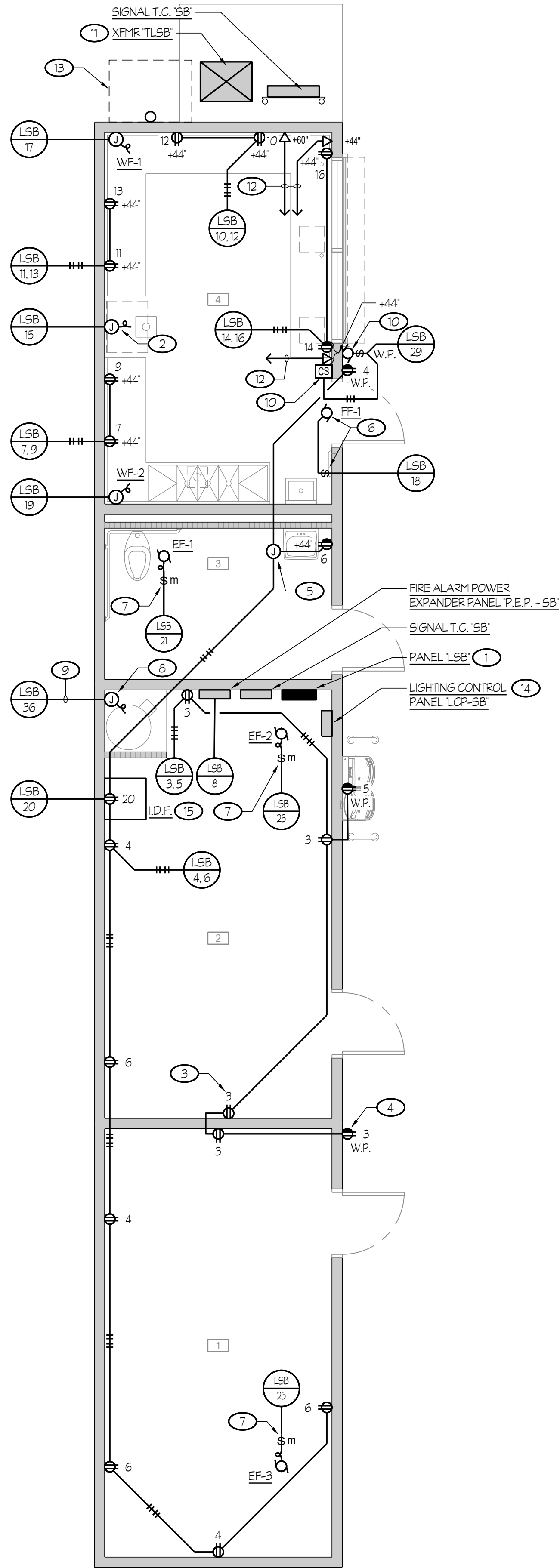
ROOF ELECTRICAL PLAN

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



POWER PLAN

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



NOTES (THIS SHEET ONLY):

- 1 MOUNT PANEL PER DETAIL #2/E3.3.
- 2 CONNECT ICE MAKER, 120V, 11.3 AMPS.
- 3 NUMBER DENOTES CIRCUIT IS TO BE CONNECTED ON.
- 4 WEATHER-RESISTANT 6 F.C.I. DUPLEX RECEPTACLE AT +18" A.F.F., PROVIDE A DIECAST WEATHERPROOF 'WHILE-IN-USE' LOCKABLE COVER, EXTRA-DUTY RATED, RED-DOT HCKSUV OR EQUAL. TYPICAL OF 3.
- 5 DENOTES JUNCTION BOX MOUNTED IN ACCESSIBLE ATTIC SPACE. TYPICAL, U.O.N..
- 6 CONNECT FLY FAN. ROUTE 120V THRU DOOR MICROSWITCH (PROVIDED BY MECHANICAL). VERIFY EXACT LOCATION AND REQUIREMENTS WITH ARCHITECT AND EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. PROVIDE A HORSEPOWER RATED TOGGLE SWITCH EQUIPPED WITH A WEATHERPROOF COVER AND FLUSH MOUNT IN WALL ADJACENT TO FLY FAN.
- 7 PROVIDE A MOTOR RATED NON-FUSED DISCONNECT SWITCH AND MOUNT ONTO EXHAUST FAN. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- 8 CONNECT WH-1, 208v, 3ph, 13,500 WATTS.
- 9 1C - 3 #8 + 1 #10 GND.
- 10 CONNECT OVERHEAD COILING DOOR POWER AND RECESSED CONTROL STATION. COORDINATE EXACT LOCATION OF DOOR MOTOR, 'POINT-OF-CONNECTION' AND CONTROL WIRING REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- 11 PER DETAIL #8/E3.3.
- 12 1C TO I.D.F. IN ROOM #2.
- 13 SPACE RESERVED FOR FUTURE SOLAR EQUIPMENT.
- 14 PROVIDE AN FLIGHT LIGHTING RELAY PANEL FLIGHT HARPINTENCOB-SM ENCLOSURE WITH #8FCR-MVOLT-HLK-DTC INTERIORS. DIMENSIONS OF THE CABINET: 14.25" H x 14.25" W x 4" DP..
- 15 MOUNT PER DETAIL #2/T61.1.

GENERAL NOTE:

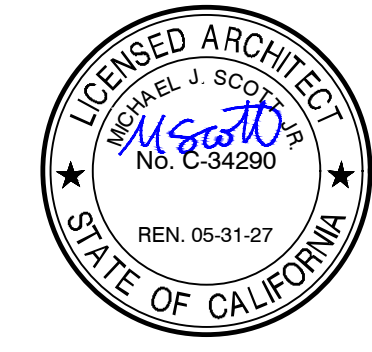
1. REFER TO DETAIL #1/E3.3 FOR CONDUIT SUPPORT DETAILS.

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
1	STORAGE	VARIES
2	STORAGE	VARIES
3	UNISEX RESTROOM	+9'-0"
4	SNACKBAR	VARIES



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APPROVALS
FILE # 54-96 APPLICATION # 02-124067



DATE: MARCH 31, 2026

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REVISIONS	
1	
2	
3	
4	
5	

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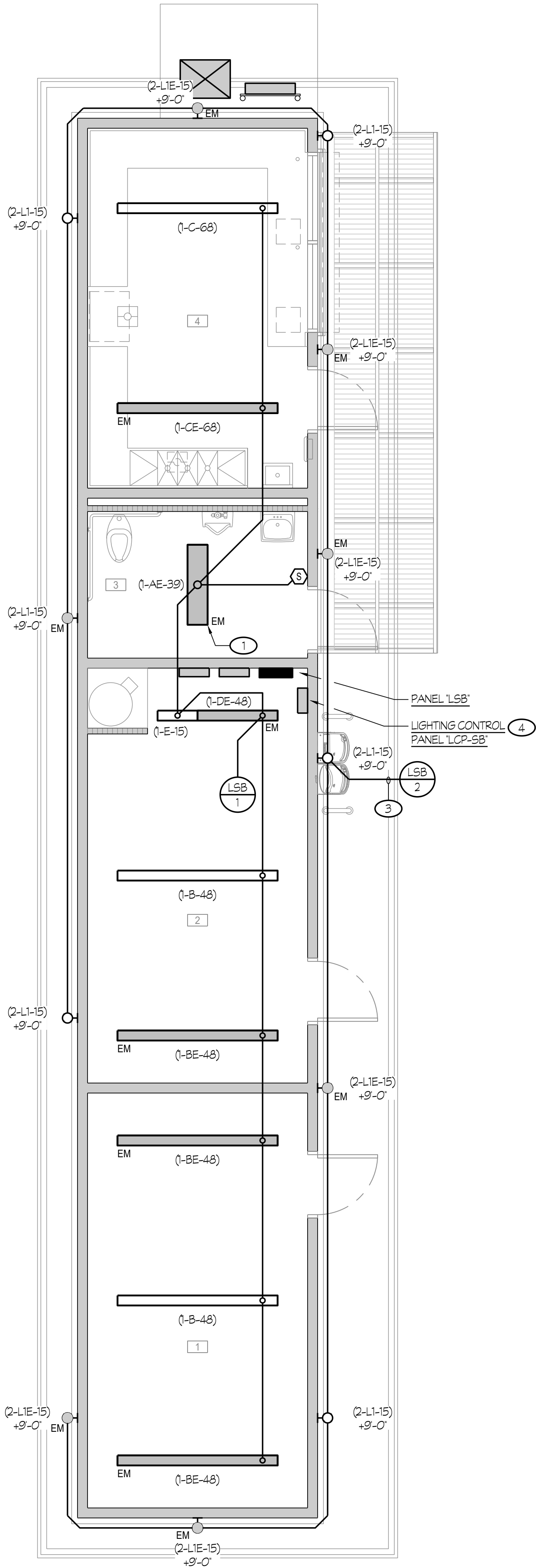
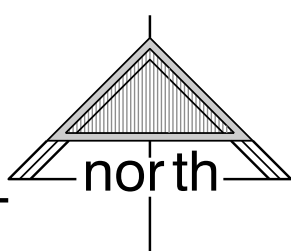
TITLE
POWER PLANS

PROJECT **E1.1**
25057

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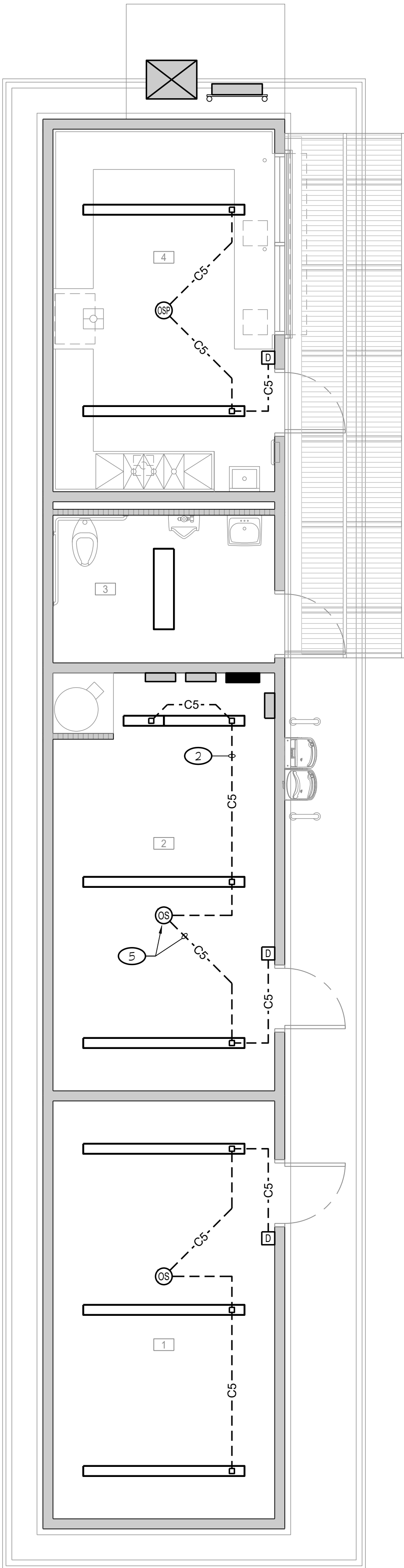
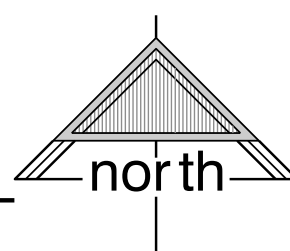
LIGHTING PLAN

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

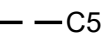


LIGHTING CONTROLS PLAN

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



NOTES (THIS SHEET ONLY):

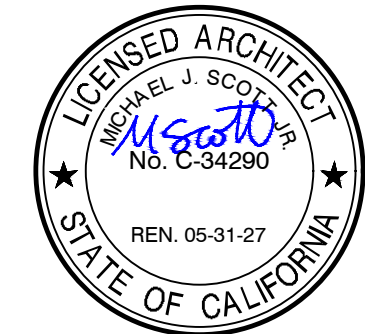
- 1 SYMBOLS  EM DENOTES LIGHT FIXTURE EQUIPPED WITH AN EMERGENCY BATTERY PACK. CONNECT PER DETAIL #4/E3.2.
- 2  C5 DENOTES CAT. 5e CABLE. ELECTRICAL CONTRACTOR MAY USE PRETERMINATED CAT. 5e CABLE OR PROVIDE CAT. 5e CABLE, MODULAR JACKS ON EACH END AND TERMINATE THE MODULAR JACKS USING THE TIA/EIA-568-B.2 PIN-PAIR SPECIFICATION. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND OUTLET BOXES IN WALLS FOR ROUTING OF CABLES. CABLE MAY BE ROUTED IN FREE-AIR, WHEN LOCATED IN ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILINGS. AT GYPBOARD CEILINGS, PROVIDE A DOUBLE-GANG LOW VOLTAGE MOUNTING PLATE BRACKET, CADDY #MPLS2 OR EQUAL, AT THE RJ-45 JACKS (EMBEDDED CONTROLS) OF THE SURFACE MOUNTED LIGHT FIXTURES FOR PASSAGE OF CAT. 5e CABLE.
- 3 ROUTE CIRCUIT(S) THROUGH LIGHTING CONTROL PANEL.
- 4 PROVIDE AN rLIGHT LIGHTING RELAY PANEL rLIGHT #ARPINTENCOB-SM ENCLOSURE WITH #8FCR-1VOLT-HLK-DTC INTERIORS.
- 5 REFER TO DETAIL #3/E3.2 FOR LOW VOLTAGE DEVICES AND LIGHTING CONTROL WIRING REQUIREMENTS, TYPICAL.

GENERAL NOTE:

1. REFER TO DETAIL #1/E3.3 FOR CONDUIT SUPPORT DETAILS.

ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
1	STORAGE	VARIES
2	STORAGE	VARIES
3	UNISEX RESTROOM	+9'-0"
4	SNACKBAR	VARIES

Rose Sing Eastham & Associates
Electrical Consultants
131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705



DATE: MARCH 31, 2026

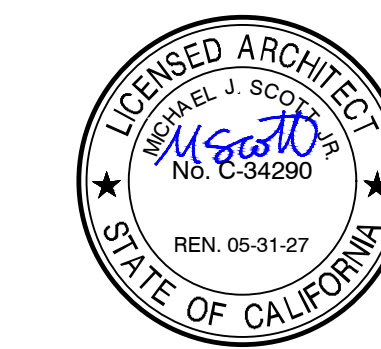
NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL
41932 SIERRA DR., THREE RIVERS, CA 93271
THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

REVISIONS	
1	
2	
3	
4	

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TITLE
LIGHTING PLANS

E1.2
PROJECT **25057**



DATE: MARCH 31, 2026

**NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL**

41932 SIERRA DR., THREE RIVERS, CA 93271

THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

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MANGINI

ARCHITECTURE
INGENUITY

MANGINI ASSOCIATES INC.
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TITLE
FIRE ALARM
PLANS

E1.3

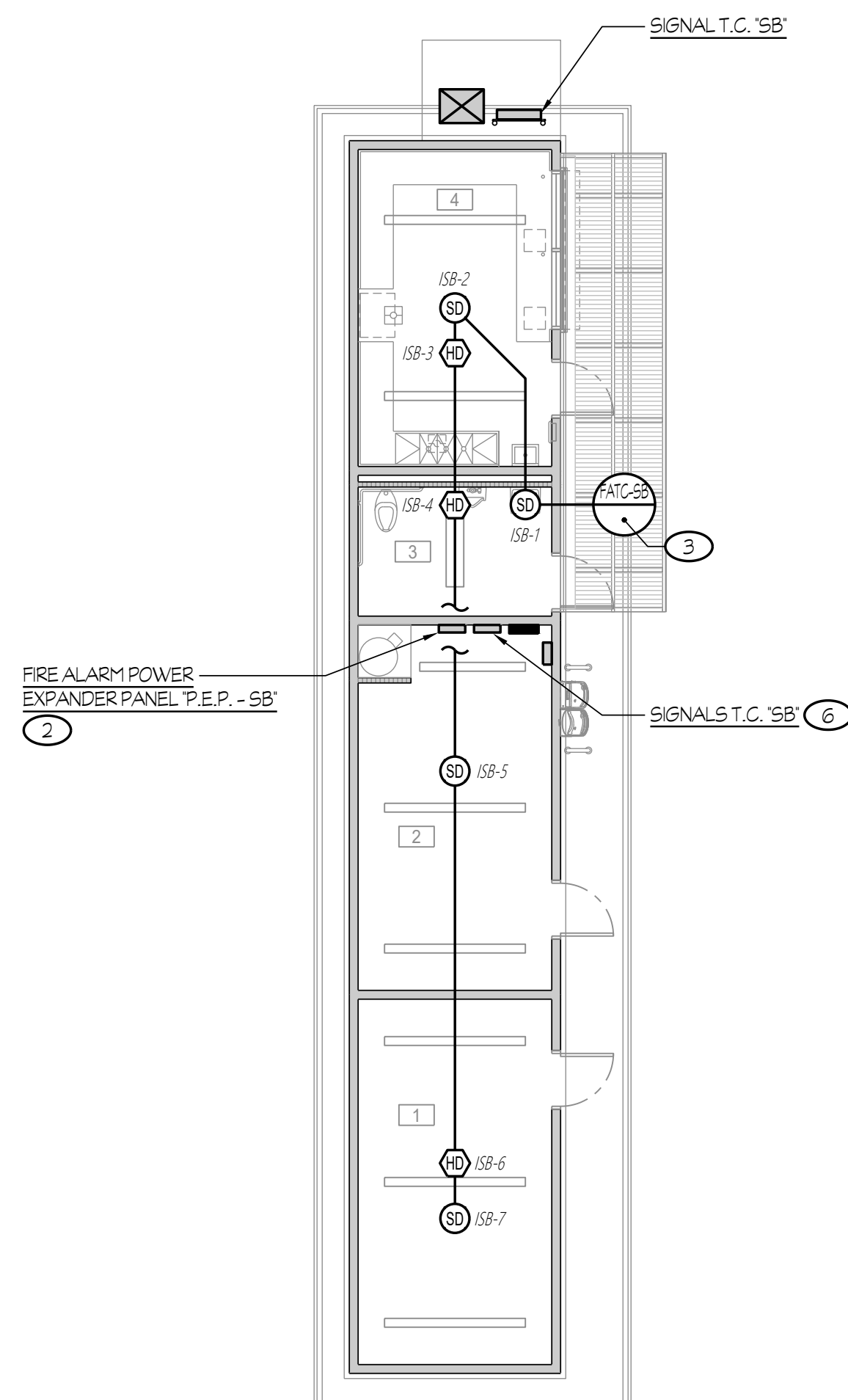
PROJECT 25057

NOTES (THIS SHEET ONLY):

- ① 3/4" C - TWO FSP CABLE.
- ② REFER TO DETAIL #3/E2.3, FOR FIRE ALARM POWER EXPANDER PANEL 'P.E.P.' - 'SB' MOUNTING REQUIREMENTS.
- ③ 3/4" C - TWO FA CABLE, TYPICAL, U.O.N..
- ④ 3/4" C - ONE FSP CABLE.
- ⑤ TYPICAL OF FIRE ALARM CIRCUITING BETWEEN NOTIFICATION APPLIANCES, U.O.N.:
RUN 3/4" C - ONE FSP CABLE, 2 #12 BETWEEN NOTIFICATION APPLIANCES.
- ⑥ REFER TO DETAIL #6/E2.3, FOR TERMINAL CABINET 'SB' MOUNTING REQUIREMENTS.

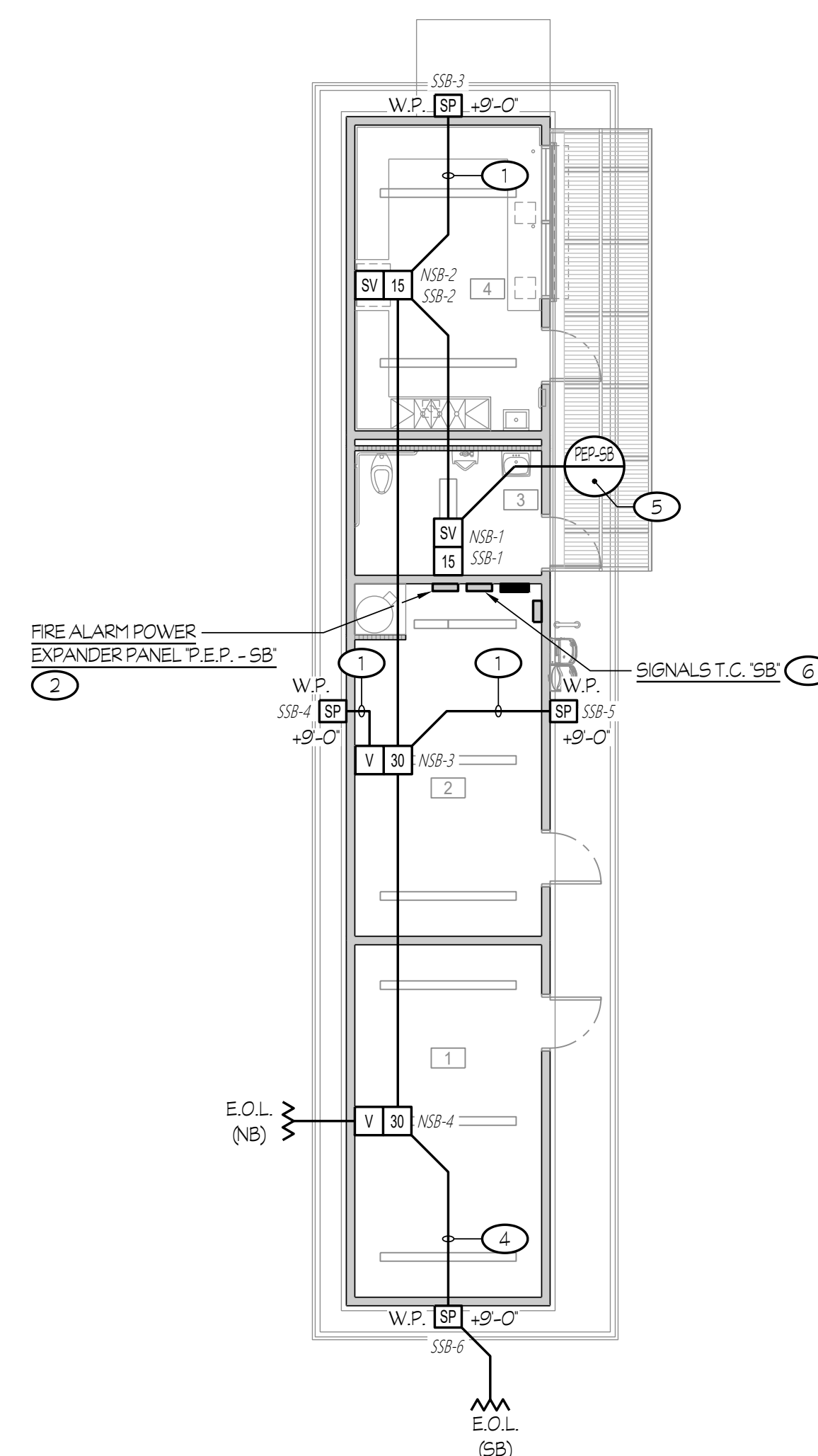
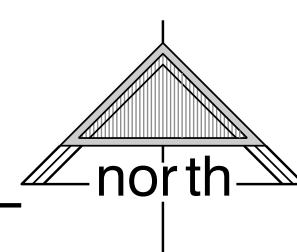
GENERAL NOTE:

1. REFER TO DETAIL #1/E3.3 FOR CONDUIT SUPPORT DETAILS.



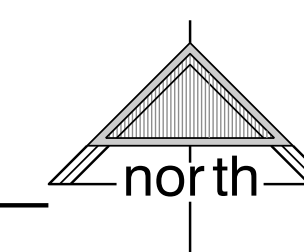
FIRE ALARM INITIATION PLAN

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



FIRE ALARM NOTIFICATION PLAN

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



ROOM LEGEND		
#	ROOM NAME	CEILING HEIGHT
1	STORAGE	VARIABLE
2	STORAGE	VARIABLE
3	UNISEX RESTROOM	+9'-0"
4	SNACKBAR	VARIABLE

COMPLETE AUTOMATIC FIRE ALARM SYSTEM
PLAN SUBMITTAL

THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

THE FIRE ALARM SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE DETECTION SYSTEM, PER C.F.C. SECTION 907.2.3.6, AND SHALL COVER EVERY ROOM AND/OR AREA. UPON THE ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).



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FIRE ALARM SYSTEM GENERAL NOTES	
1. APPLICABLE STANDARD NFPA 72, AS ADOPTED AND AMENDED IN CBC CHAPTER 35.	19. FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
2. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.	20. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE 'ON' POSITION. THE CIRCUIT BREAKER SHALL BE LABELED 'FIRE ALARM CIRCUIT CONTROL'. CIRCUIT ID TO BE LABELED AT FIRE PANELS/EXTENDERS.
3. UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR TEST SHALL INCLUDE ALL INFORMATION PER NFPA 72 14.6.2.4 AND FIGURE 7.8.2(g) AND READ OUT VERIFICATION FORM FROM CENTER STATION.	21. THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED 'SYSTEM RECORD OF COMPLETION' PER NFPA 72, FIGURE 7.5.6.
4. A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.	22. FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.
5. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.	23. MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (E.V.A.C.) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE WITH CBC SECTIONS 11B-305 AND 11B-306.
6. DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.	24. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
7. ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.	25. SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
8. WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR.	26. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.
9. WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THAN 6" TO A HORIZONTAL STRUCTURE.	27. PROVIDE AN ENGRAVED NAMEPLATE INDICATING THE D.S.A. APPLICATION NUMBER, FILE NUMBER AND DATE OF INSTALLATION AT EACH FIRE ALARM CONTROL PANEL 'F.A.C.P.'; AT EACH FIRE ALARM TRANSDUCER 'F.A.T.'; AND AT EACH FIRE ALARM POWER EXPANDER PANEL 'P.E.P.';
10. AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (dBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.	A. THE PRIMARY POWER SUPPLY TO EACH FIRE ALARM CONTROL PANEL 'F.A.C.P.'; TO EACH FIRE ALARM TRANSDUCER 'F.A.T.'; AND TO EACH FIRE ALARM POWER EXPANDER PANEL 'P.E.P.' SHALL BE IN ACCORDANCE WITH NFPA 72 10.6.5 AND AS FOLLOWS:
11. AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN FOR A FIRE ALARM SIGNAL. AUDIBLE DEVICES SHALL ALSO SOUND A TEMPORAL CODE 4 PATTERN FOR A CARBON MONOXIDE SIGNAL. THE EXISTING FIRE ALARM CONTROL PANEL WILL PRODUCE/GENERATE BOTH SIGNALS.	a) THE CIRCUIT BREAKER FEEDING THE RESPECTIVE PANEL SHALL BE LOCATED IN A LOCKED ROOM OR BEHIND A LOCKABLE DOOR AND BE READILY ACCESSIBLE TO AUTHORIZED PERSONNEL ONLY.
12. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.	b) THE CIRCUIT BREAKER SHALL BE EQUIPPED WITH A LOCK-ON ACCESSORY. PAINT LOCK-ON ACCESSORY RED IN COLOR.
13. VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.	c) THE CIRCUIT BREAKER SHALL HAVE AN ENGRAVED NAMEPLATE THAT IDENTIFIES IT AS A FIRE ALARM CIRCUIT. THIS ENGRAVED NAMEPLATE SHALL HAVE WHITE LETTERS ON A RED BACKGROUND. MOUNT ONTO THE INTERIOR TRIM AND LOCATE ADJACENT TO CIRCUIT BREAKER WHERE POSSIBLE.
14. UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.	d) THE LOCATION OF THE CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT EACH FIRE ALARM CONTROL PANEL 'F.A.C.P.'; AT EACH FIRE ALARM TRANSDUCER 'F.A.T.'; AND AT EACH FIRE ALARM POWER EXPANDER PANEL 'P.E.P.'; PROVIDE AN ENGRAVED NAMEPLATE (WHITE LETTERS ON A RED BACKGROUND) WHICH INDICATES THIS.
15. ALL FIRE ALARM WIRING SHALL BE FPL OR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.	B. ALL ENGRAVED NAMEPLATES SHALL BE ATTACHED TO THE FRONT OF THE RESPECTIVE ENCLOSURE WITH SCREWS OR RIVETS.
16. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.	28. PROVIDE A COPY OF THE BATTERY CALCULATION AT EACH FIRE ALARM CONTROL PANEL 'F.A.C.P.'; AT EACH FIRE ALARM TRANSDUCER 'F.A.T.'; AND AT EACH FIRE ALARM POWER EXPANDER PANEL 'P.E.P.'; BATTERY CALCULATION SHALL CONTAIN INFORMATION AS NOTED ON SCHEDULES AND BE PLASTIC LAMINATED. MOUNT ONTO INSIDE FACE OF DOOR.
17. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.	
18. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILING, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANNER AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.	

FIRE ALARM SYSTEM SEQUENCE OF OPERATIONS			
RESULT OF OPERATION ↓	TYPE OF INITIATION		
	AREA SMOKE/HEAT DETECTOR (1)	LOSS OF POWER	SHORT CIRCUIT/GROUND FAULT
ANNUNCIATE ALARM AT FIRE ALARM CONTROL PANEL	YES	_____	_____
ANNUNCIATE TROUBLE AT FIRE ALARM CONTROL PANEL	_____	YES	YES
ANNUNCIATE SUPERVISORY AT FIRE ALARM CONTROL PANEL	_____	_____	_____
ACTIVATE ALL AUDIBLE AND VISUAL ALARM SIGNALS	YES	_____	_____
TRANSFER TO BATTERY BACK-UP	_____	YES	_____
ANNUNCIATE AT 24-HR. ATTENDED LOCATION	YES	YES	_____
CENTRAL STATION FOR MONITORING (ALARM)	YES	_____	_____
CENTRAL STATION FOR MONITORING (TROUBLE)	_____	YES	_____
CENTRAL STATION FOR MONITORING (SUPERVISORY)	_____	_____	_____

(1) OR ACTIVATE THE TIME-DELAY RELEASING DEVICE AT OVERHEAD COILING DOOR.

FIRE ALARM SYSTEM EQUIPMENT SPECIFICATIONS					
SYMBOL	DESCRIPTION	MODEL #	CSFM LISTING #	BACKBOX REQUIREMENTS (B)	MOUNTING HEIGHT (TO CENTER U.O.N.)
	EXISTING FIRE ALARM CONTROL PANEL WITH EMERGENCY VOICE EVACUATION	GA*EWELL-FCI HE3	7165-1703.0125	EXISTING	EXISTING
	(E) LCD DISPLAY	GA*EWELL-FCI HLCD-SLP			
	(E) LOOP INTERFACE-MAIN BOARD	GA*EWELL-FCI HLL-MB-E3			
	(E) DIGITAL ALARM TRANSMITTER	GA*EWELL-FCI HDACT-E3			
	(E) POWER SUPPLY	GA*EWELL-FCI HPM-L-9			
	(E) VOICE GATEWAY	GA*EWELL-FCI HNI-VGX			
	(E) SOW AMPLIFIER	GA*EWELL-FCI HAM-L-50			
	(E) CABINET	GA*EWELL-FCI H38B-RC-NCC			
	(E) BACKPLATE	GA*EWELL-FCI H38B-IN-C-PLATE			
	(E) SOW AMPLIFIER	GA*EWELL-FCI HAM-L-50			
	(E) LOCAL OPERATING CONSOLE	GA*EWELL-FCI H3-L-LOC	7165-1703.0125	EXISTING	EXISTING
	(E) VOICE GATEWAY	GA*EWELL-FCI HNI-VGX			
	(E) PAGING MICROPHONE	GA*EWELL-FCI HINCC-MIC			
	(E) ADDRESSABLE SWITCH MODULE	GA*EWELL-FCI HASM-16			
	(E) NETWORK GRAPHIC ANNUNCIATOR	GA*EWELL-FCI HNGA			
	(E) CABINET	GA*EWELL-FCI H38B-BAA			
	(E) INNER DOOR, 3 SLOTS	GA*EWELL-FCI H3D3-A			
	(E) TRIM RING	GA*EWELL-FCI H3-TRM-A			
	FIRE ALARM POWER EXPANDER PANEL	GA*EWELL/F.C.I. #HPPF8	7315-1637.0102	INCLUDED	+60" PER DETAIL #3/E2.3
	ADDRESSABLE PHOTOELECTRONIC SMOKE DETECTOR	GA*EWELL/F.C.I. #ASD-PL3/B300-6	7272-1703.0501 7300-1653.0109	3.5" OCTAGON BOX OR 4" OCTAGON BOX WITH RAISED ROUND COVER	PER DETAIL #1/E2.3
	ADDRESSABLE HEAT DETECTOR, IN ATTIC, 130°F	GA*EWELL/F.C.I. #ATD-L3H/B300-6	7270-1703.0502 7300-1653.0109	3.5" OR 4" x 1 1/2" DP, OCTAGONAL BOX WITH 1/2" RAISED ROUND COVER	_____
	ADDRESSABLE SUPERVISED CONTROL MODULE	GA*EWELL/F.C.I. #AOM-25F	7300-1703.0102	4" SQ. x 2 1/8" DP, OUTLET BOX	_____
	VISUAL STROBE, 15 CANDELA WALL MOUNTED	SYSTEM SENSOR #SRL	7125-1653.0504	4" SQ. x 2 1/8" DP, OUTLET BOX	PER DETAIL #1/E2.3
	SPEAKER/STROBE, WALL MOUNTED (CANDELA RATING AS NOTED)	SYSTEM SENSOR #SPSRL	7320-1653.0505	4" SQ. x 2 1/8" DP, OUTLET BOX WITH 1 1/2" DP, BOX EXTENSION	PER DETAIL #1/E2.3
	EXTERIOR SPEAKER, WALL MOUNTED	SYSTEM SENSOR #SPRK-R/WTP-SPR	7320-1653.0201	4" SQ. x 2 1/8" DP, OUTLET BOX WITH 1 1/2" DP, BOX EXTENSION, PROVIDE WEATHERPROOF PLATE FOR SEMI-FLUSH MOUNTING	_____
	END OF LINE RESISTOR	_____	_____	_____	_____
	ADDRESSABLE FIRE ALARM CABLE (INDOORS)	WEST PENN #D990	7161-0859.0101	_____	_____
	ADDRESSABLE FIRE ALARM CABLE (OUTDOORS)	WEST PENN #AQ225	7161-0859.0101	_____	_____
	FIRE ALARM SPEAKER CABLE	WEST PENN #9945	7161-0859.0101	_____	_____
	FIRE ALARM SPEAKER CABLE (OUTDOORS)	WEST PENN #AQ224	7161-0859.0101	_____	_____
	NETWORK FIBER OPTIC CABLE (OUTDOORS)	BERK-TEK HLTR006AB0403	_____	_____	_____

NOTES (FIRE ALARM SYSTEM EQUIPMENT SPECIFICATIONS):

- (A) END OF LINE RESISTORS FOR CONVENTIONAL DEVICES CONNECTED TO ADDRESSABLE MONITOR MODULE DEVICES AND/OR ADDRESSABLE CONTROL MODULES SHALL BE 3.9K OHM 1/2 WATT.
- (B) VERIFY BACKBOX REQUIREMENTS WITH FIRE ALARM SYSTEM EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.
- (C) EXISTING FIRE ALARM CONTROL WAS APPROVED AND INSTALLED UNDER DSA APPLICATION #02-113161 ON JANUARY 8TH 2014.

FIRE ALARM LEVEL OF AUDIBILITY
ALARM INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL BE SO LOCATED AND UNOBSTRUCTED AS TO CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15db ABOVE AMBIENT NOISE LEVELS MEASURED FOUR FEET ABOVE THE FLOOR INSIDE BUILDING.
AMBIENT NOISE LEVELS SHALL BE CONSTRUED TO MEAN THAT WHICH CAN NORMALLY BE EXPECTED TO EXIST WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATIVE OR WORKING CONDITIONS.
THE FIRE ALARM SIGNAL SHALL COMPLY WITH THE CALIFORNIA EDUCATION CODE, SECTIONS 32000 AND 32004, AND BE A TEMPORAL PATTERN, CODE 3 AND THEN FOLLOWED BY ANY VOICE MESSAGES.

SCHOOLS FIRE ALARM REQUIREMENTS
THE FIRE ALARM SYSTEM SHALL CONFORM TO CALIFORNIA BUILDING CODE, SECTION 907.2.3; CALIFORNIA ELECTRICAL CODE, ARTICLE 760 AND CALIFORNIA FIRE CODE, CHAPTER 9, SECTION 907.
UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY, NFPA 72. IF TESTING RESULTS DETERMINE FIRE ALARM AUDIBILITY DOES NOT MEET 15db OVER AMBIENT NOISE LEVELS, ADDITIONAL FIRE ALARM SIGNALING DEVICES MAY BE REQUIRED BY THE ENFORCING FIRE AGENCY.
FIRE ALARM SYSTEM CERTIFICATION AND DESCRIPTION SHALL BE PROVIDED FOR TESTING AND A PLASTIC LAMINATED COPY SHALL REMAIN (WITH INSTRUCTIONS) AT THE FIRE ALARM CONTROL PANEL PER NFPA 72.
THE FIRE ALARM CERTIFICATE OF COMPLETION FORM IN NFPA 72 SHALL BE COMPLETED, SIGNED AND SUBMITTED.

SCOPE OF WORK
1. PROVIDE A NEW AUTOMATIC FIRE ALARM SYSTEM WITH SUPPLEMENTAL MANUAL FIRE DETECTION.
2. PROVIDE A FIRE ALARM POWER EXPANDER PANEL, ADDRESSABLE INITIATION DEVICES, NOTIFICATION APPLIANCES, CONDUIT, CABLES AND CONDUCTORS AS SHOWN ON THE DRAWINGS.

FIRE ALARM MONITORING NOTE
AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72. THE SUPERVISING STATION SHALL BE LISTED AS EITHER ULFX (CENTRAL STATION) OR ULUS (REMOTE AND PROPRIETARY) BY UNDERWRITERS LABORATORY (UL) OR SHALL COMPLY WITH THE REQUIREMENTS OF STANDARD FM 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.

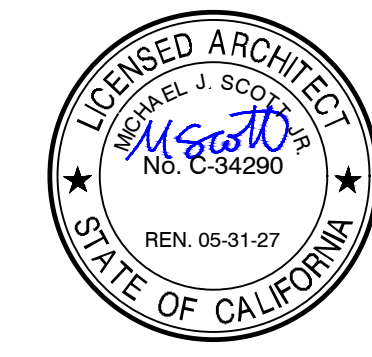
FIRE ALARM RECORD DOCUMENTS CABINET NFPA 72, 7.7.2
- EVERY NEW FIRE ALARM SYSTEM SHALL PROVIDE A DOCUMENTATION CABINET, INSTALLED AT THE SYSTEM CONTROL PANEL OR OTHER APPROVED LOCATION.
- THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED, 'SYSTEM RECORD DOCUMENTS'.
- ALL RECORD AND TESTING DOCUMENTATION SHALL BE STORED IN THE CABINET.
- CONTENTS SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.
- WHERE CABINET IS INSTALLED IN A LOCATION OTHER THAN THE SYSTEM CONTROL UNIT, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT.
SYSTEM DOCUMENTS AS APPLICABLE:
- RECORD DRAWINGS/AS-BUILTS.
- EQUIPMENT CUT SHEETS AND CSA SFM LISTINGS.
- ALTERNATIVE MEANS AND METHODS.
- PERFORMANCE BASED DESIGN DOCUMENTATION (NFPA 72, 7.3.7).
- SYSTEM RECORD OF COMPLETION AND ANY SUPPLEMENTAL INSPECTION AND TESTING DOCUMENTATION (NFPA 72, 7.8.2).
- EMERGENCY RESPONSE PLAN (NFPA 72, 7.3.8).
- EVALUATION DOCUMENTATION (NFPA 72, 7.3.9).
- RISK ANALYSIS DOCUMENTATION (NFPA 72, 7.3.6).
- SOFTWARE AND FIRMWARE CONTROL DOCUMENTATION (NFPA 72, 23.2.2).

COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL

THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

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131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705



DATE: MARCH 31, 2026

NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL

41932 SIERRA DR., THREE RIVERS, CA 93271

THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

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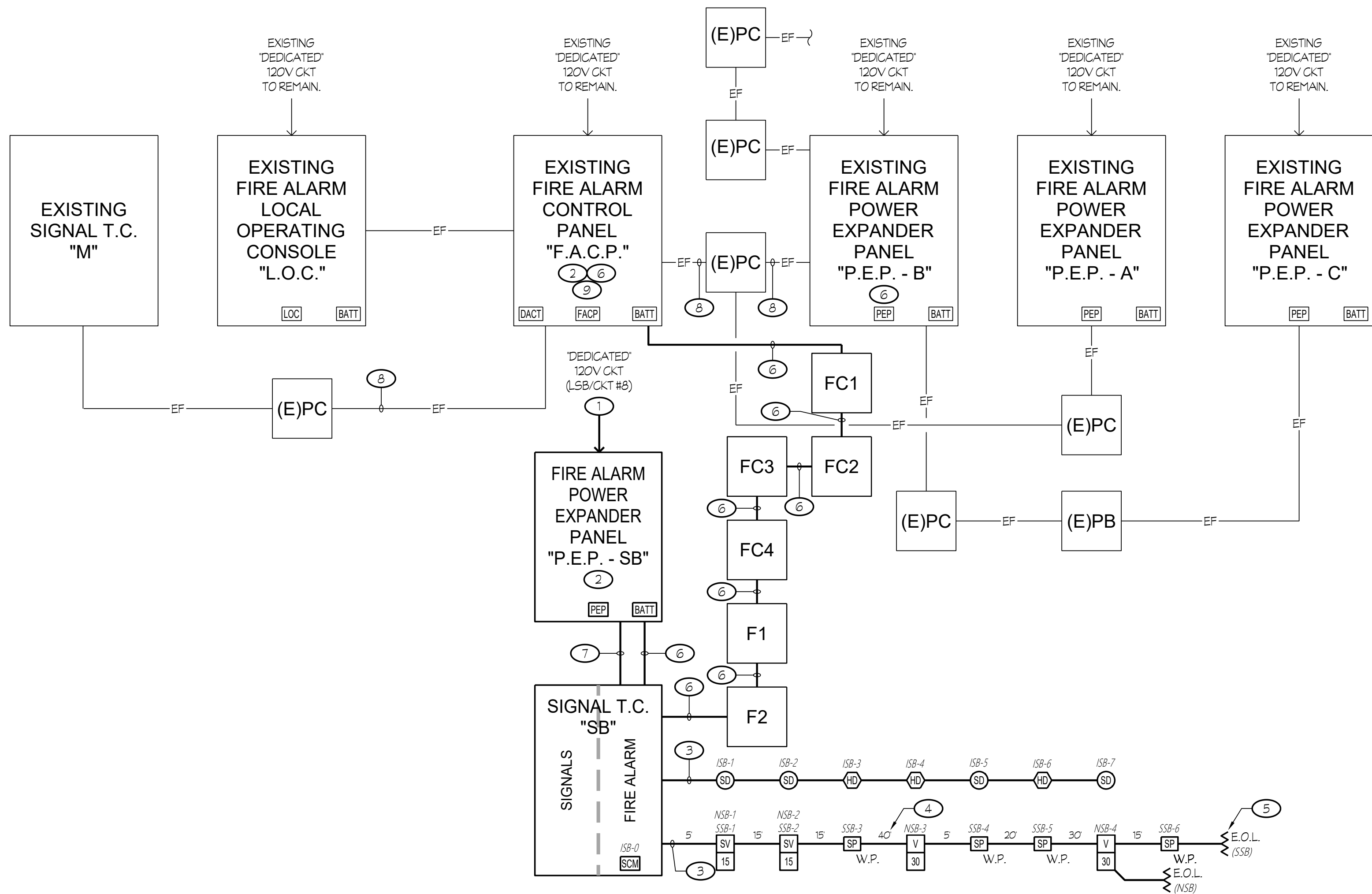
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TITLE
FIRE ALARM SYSTEM
EQUIP. SPECIFICATIONS,
CODES AND NOTES

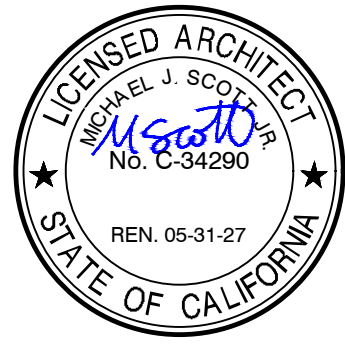
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PROJECT 25057

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1 FIRE ALARM SYSTEM EQUIPMENT RISER DIAGRAM



DATE: MARCH 31, 2026

NOTES (THIS SHEET ONLY):

- CIRCUIT BREAKER SHALL BE EQUIPPED WITH A LOCK-ON ACCESSORY. PROVIDE AN ENGRAVED NAMEPLATE: FIRE ALARM - LEAVE ON. NAMEPLATE SHALL HAVE WHITE LETTERS ON A RED BACKGROUND. PAINT HANDLE OR LOCK-ON ACCESSORY RED IN COLOR.
- PROVIDE A COPY OF THE BATTERY CALCULATION FOR THE RESPECTIVE POWER EXPANDER PANEL (OR THE FIRE ALARM CONTROL PANEL "F.A.C.P."). THE BATTERY CALCULATION SHALL CONTAIN INFORMATION (AS NOTED ON THESE PLANS) AND BE PLASTIC LAMINATED. MOUNT ONTO INSIDE FACE OF PANEL DOOR.
- REFER TO RESPECTIVE FIRE ALARM PLAN FOR CONDUIT AND CABLING/ CONDUCTOR REQUIREMENTS, TYPICAL.
- LENGTHS INDICATED WERE USED FOR CALCULATIONS/DESIGN PURPOSES ONLY AND BASED UPON THE "DIAGRAMMATIC" LAYOUT SHOWN ON THE DRAWINGS. LENGTHS SHALL NOT BE USED FOR BIDDING.
- DENOTES END OF LINE RESISTOR ON NOTIFICATION APPLIANCE CIRCUIT. RESISTORS SUPPLIED WITH CONTROL/EXPANDER PANELS AS REQUIRED. LOCATE RESISTORS AT END OF LINE APPLIANCES (CLASS 'B' WIRING), TYPICAL.
- 1-1/4" - TWO "SFA" CABLES & ONE "SFSP" CABLE. ONE SPARE 1-1/4".
- 1" - ONE "FSP" CABLE, 2 #12.
- PULL IN NEW "SFSP" CABLE.
- PROVIDE PROGRAMMING FOR NEW DEVICES.

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NTS

VOLTAGE DROP CALCULATIONS (OHM'S LAW)	
$\text{VOLTAGE DROP} = 2 \left(\frac{\text{DC RESISTANCE AT } 75^{\circ}\text{C}}{\text{FROM TABLE 8, C.E.C.}} \right) \left(\frac{\text{LENGTH OF CIRCUIT}}{1000} \right) \left(\frac{\text{CURRENT}}{1} \right)$	
$\text{PERCENT VOLTAGE DROP} = \frac{\text{VOLTAGE DROP}}{\text{NOMINAL VOLTAGE}} \times 100$	
2. NOTIFICATION APPLIANCE CIRCUIT "N":	
SV 15	: 2 x 0.043 A = 0.086 A
V 30	: 2 x 0.063 A = 0.126 A
	0.212 A
$\text{VOLTAGE DROP} = 2 \left(\frac{145}{1000} \right) (0.212) = 0.12 \text{ V.D.}$	
$\text{PERCENT VOLTAGE DROP} = \frac{0.12}{24} \times 100 = 0.5 \%$	

EXISTING FIRE ALARM CONTROL PANEL "F.A.C.P." BATTERY CALCULATION					
DESCRIPTION	QUANTITY	SUPV. CURRENT EACH	SUB-TOTAL	ALARM CURRENT EACH	SUB-TOTAL
EXISTING CONTROL PANEL	1	0.53900	0.53900	5.12000	5.12000
(E) MANUAL PULL STATION	8	0.00030	0.00240	0.00300	0.02400
(E) SMOKE DETECTOR	57	0.00020	0.01140	0.00450	0.25650
(E) HEAT DETECTOR	96	0.00020	0.01920	0.00450	0.43200
(E) CO DETECTOR	10	0.00020	0.00200	0.00400	0.04000
(E) MONITOR MODULE	8	0.00040	0.00320	0.00500	0.04000
SMOKE DETECTOR	4	0.00030	0.00120	0.00650	0.02600
ATTIC HEAT DETECTOR	3	0.00030	0.00090	0.00650	0.01950
(E) SPEAKER/15cd STROBE (CLG)	9	—	—	0.04100	0.36900
(E) SPEAKER/30cd STROBE (CLG)	1	—	—	0.06300	0.06300
(E) SPEAKER/75cd STROBE (CLG)	1	—	—	0.11000	0.11000
(E) SPEAKER/15cd STROBE (WALL)	3	—	—	0.04300	0.12900
(E) SPEAKER/75cd STROBE (WALL)	4	—	—	0.10700	0.42800
TOTALS			0.579		7.058

TOTAL ALARM CURRENT OF 7.058 x 0.250 (5 MINUTES) = 1.765 A.H.
TOTAL SUPERVISORY CURRENT OF 0.579 x 24 HOURS = 13.896 A.H.
TOTAL AMP HOURS REQUIRED = 15.661 A.H.
x 1.25 SAFETY FACTOR = 19.576 A.H.

26.0 AMP HOUR BATTERIES ARE EXISTING.

FIRE ALARM POWER EXPANDER PANEL "P.E.P. SB" BATTERY CALCULATION					
DESCRIPTION	QUANTITY	SUPV. CURRENT EACH	SUB-TOTAL	ALARM CURRENT EACH	SUB-TOTAL
EXPANDER PANEL	1	0.03000	0.03000	0.15000	0.15000
SUPV. CONTROL MODULE	1	0.00375	0.00375	0.00650	0.00650
30cd STROBE (WALL)	2	—	—	0.06300	0.12600
SPEAKER/15cd STROBE (WALL)	2	—	—	0.04300	0.08600
TOTALS			0.034		0.157

TOTAL ALARM CURRENT OF 0.157 x 0.250 (5 MINUTES) = 0.039 A.H.
TOTAL SUPERVISORY CURRENT OF 0.034 x 24 HOURS = 0.816 A.H.
TOTAL AMP HOURS REQUIRED = 0.855 A.H.
x 1.25 SAFETY FACTOR = 1.069 A.H.

PROVIDE 7.0 AMP HOUR BATTERIES

(A) THE CURRENT VALUES LISTED ARE FOR THE STROBES ONLY. THE SPEAKER CURRENT IS INCLUDED IN THE VALUES LISTED UNDER THE DIGITAL AMPLIFIER.

SPEAKER dB LOSS CALCULATION												
SPEAKER CIRCUIT	SPEAKER VOLTAGE	WIRE SIZE	RESISTANCE PER FOOT	FEET REQUIRED ON CIRCUIT	WIRE RESISTANCE	TOTAL WATTAGE OF SPEAKERS ON CIRCUIT	SPEAKER CURRENT (AMPS)	RESISTANCE OF SPEAKER LOAD	WIRE SIZE	ACTUAL VOLTAGE AT SPEAKER LOAD	ACTUAL WATTS AT SPEAKER LOAD	dB LOSS
SB	70	18	0.01278	145	1.853	10	0.143	490.00	18	69.7363	9.9248	-0.03

NOTE:
CALCULATION IS BASED ON EACH OF THE 'INTERIOR' SPEAKERS TAPPED AT 1 WATT AND EACH OF THE 'EXTERIOR' SPEAKERS TAPPED AT 2 WATTS.

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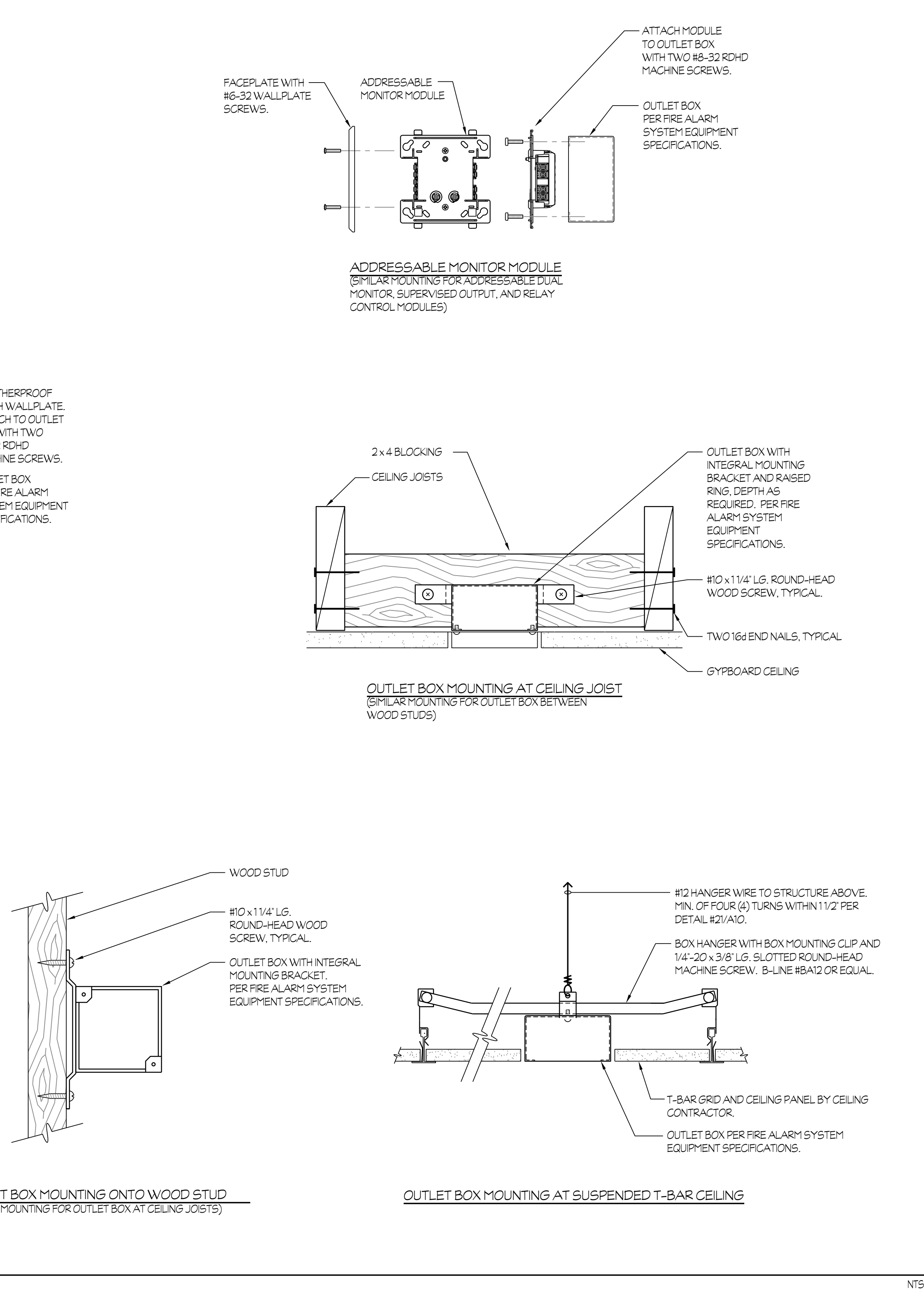
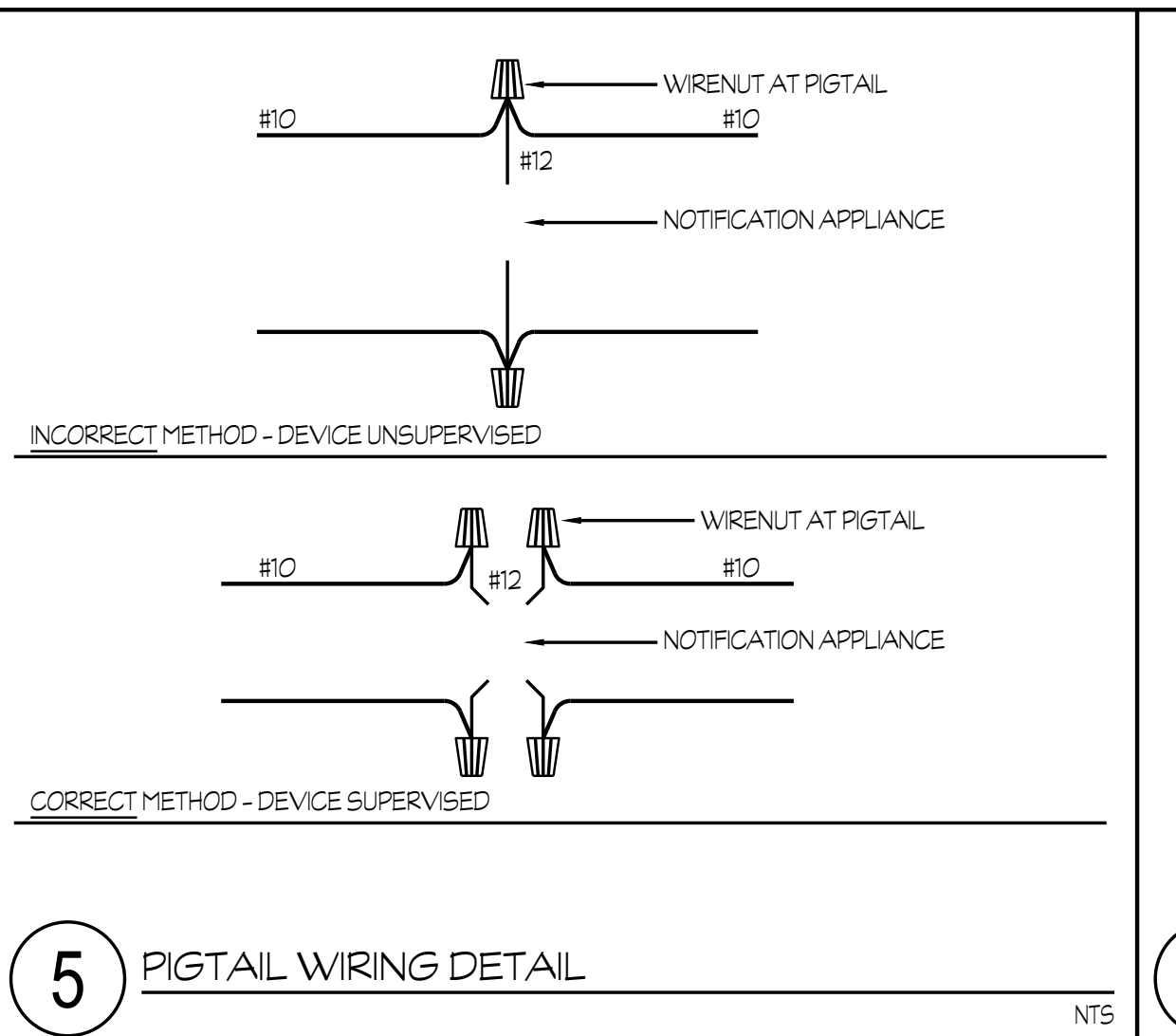
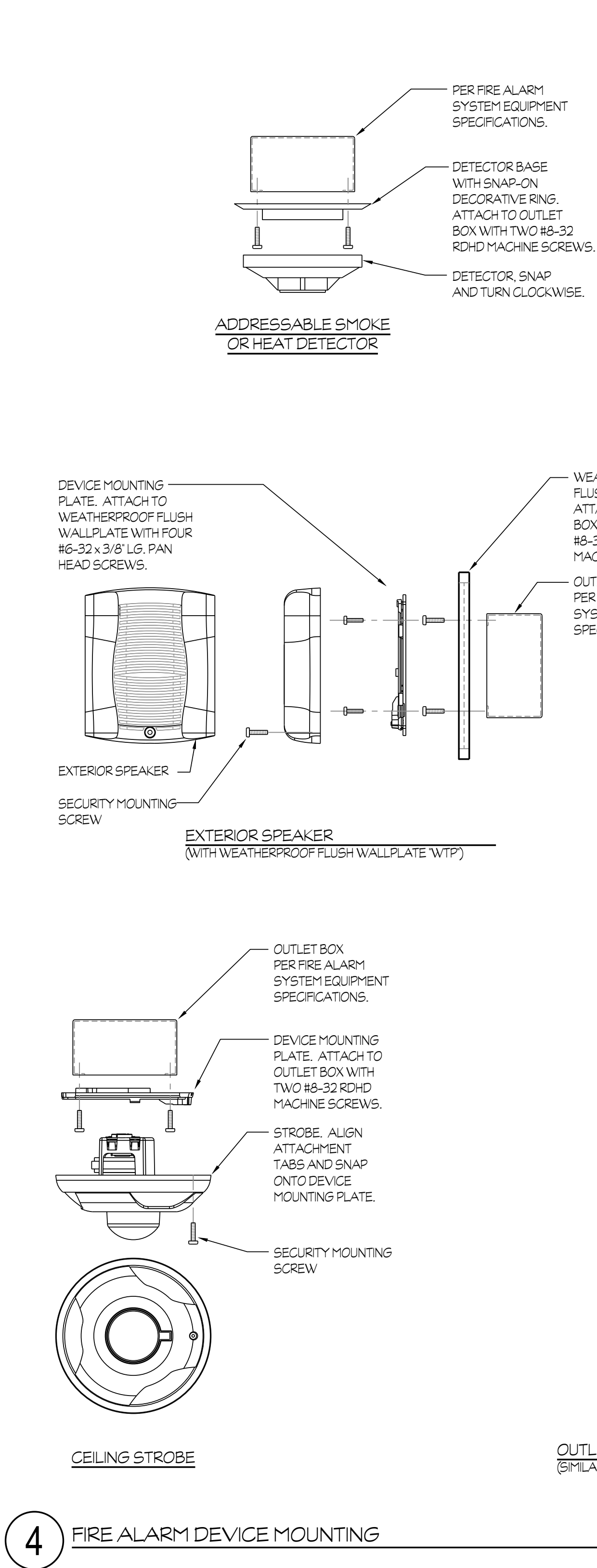
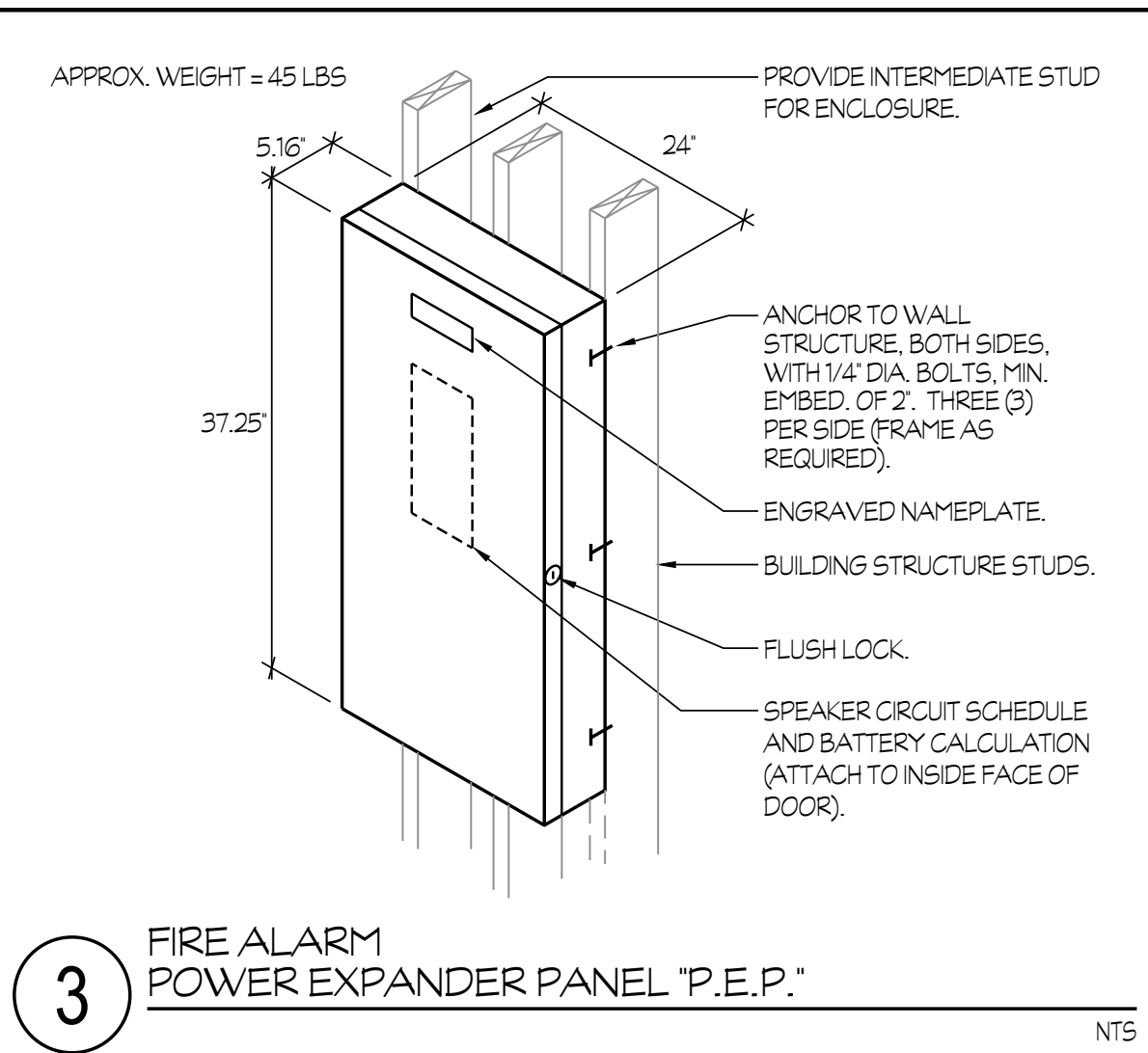
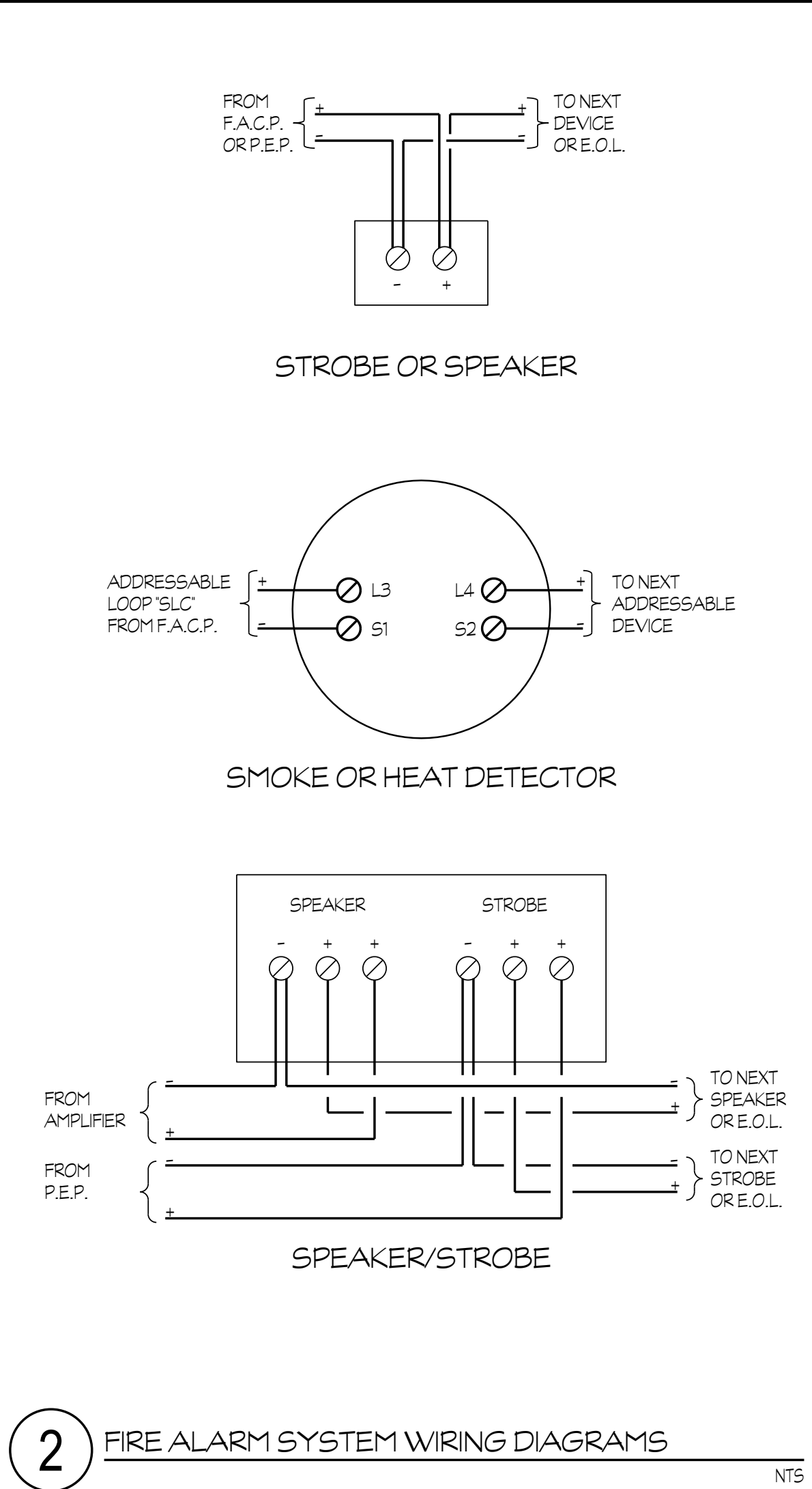
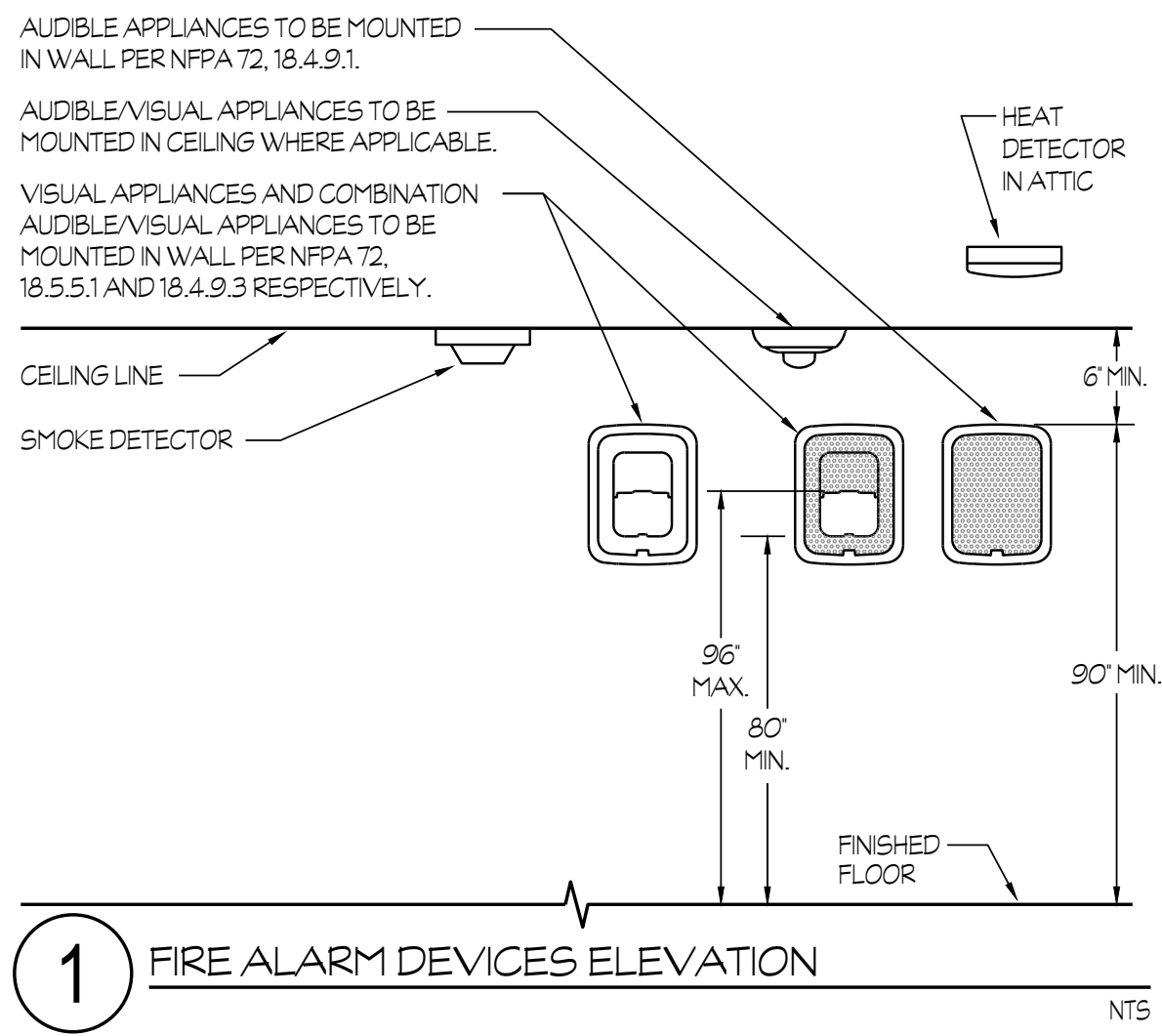
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TITLE
FIRE ALARM SYSTEM
EQUIPMENT RISER
DIAGRAM AND
CALCULATIONS

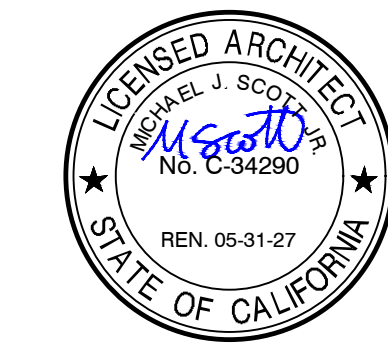
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PROJECT 25057

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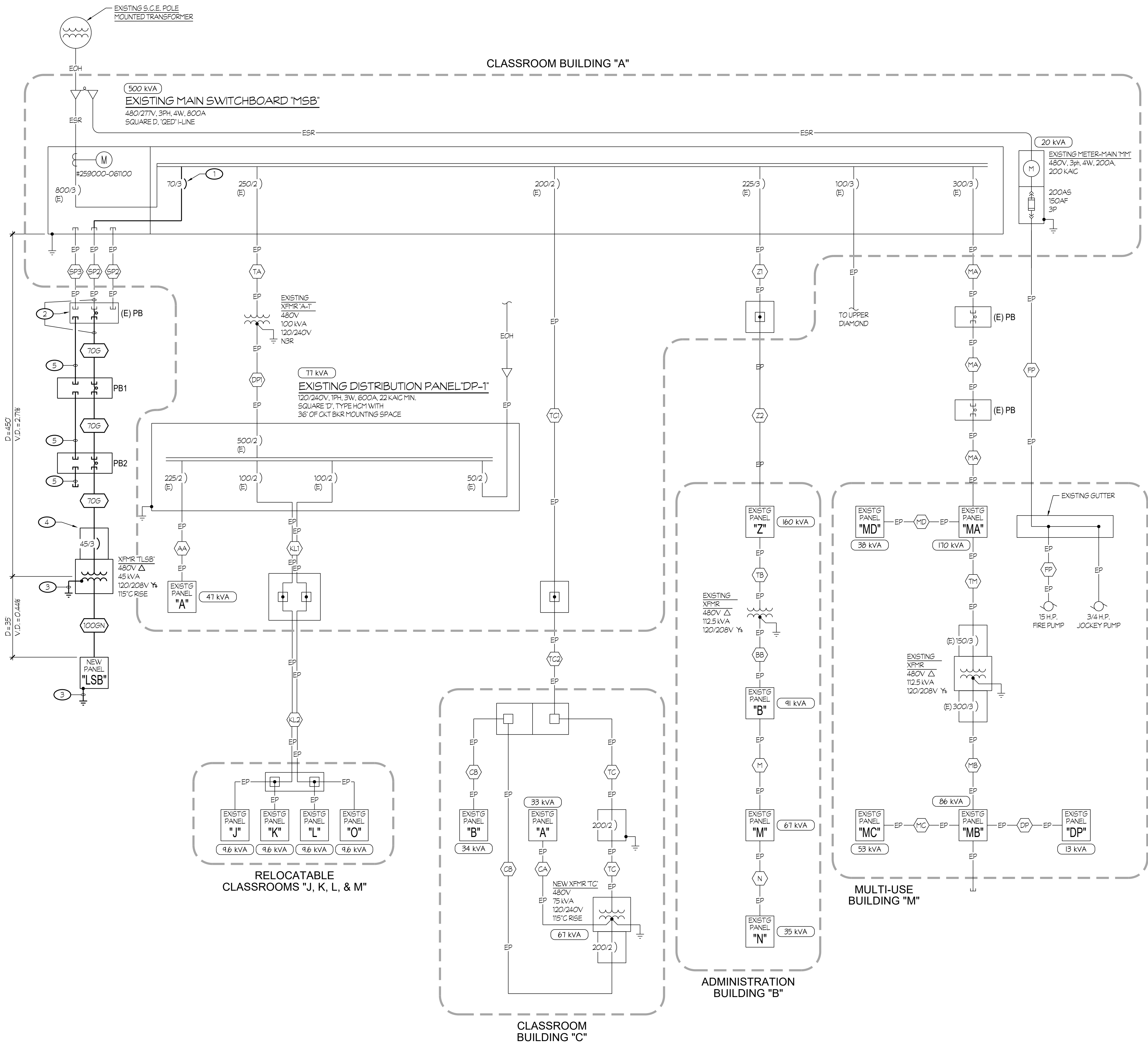
TITLE
**FIRE ALARM
DETAILS**

E2.3

PROJECT **25057**

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1 ONE LINE DIAGRAM



NOTES (THIS SHEET ONLY):

- 1 PROVIDE NEW CIRCUIT BREAKER AS SHOWN. A.I.C. TO MATCH EXISTING SWITCHBOARD.
- 2 ACCESS EXISTING PULL BOX AS REQUIRED TO EXTEND EXISTING SPARE 2'C AS SHOWN. PULL IN NEW FEEDER PER 45G.
- 3 BOND AND GROUND PANEL PER DETAIL #7/E3.3.
- 4 PRIMARY CIRCUIT BREAKER IN NEMA 3R ENCLOSURE.
- 5 PROVIDE (1) 2' SPARE CONDUIT.

EXISTING FEEDER SCHEDULE:

- AA EXISTING 2 1/2'C - 3 #4/O + 1 #4 GND.
- BB EXISTING 3 1/2'C - 4 #500 MCM CU.
- CA EXISTING 2'C - 3 #3/O + 1 #6 GND.
- CB EXISTING 2'C - 3 #3/O + 1 #6 GND.
- DP EXISTING FEEDER.
- EP EXISTING 3'C - 6 #300 kcmil + 1 #2 GND.
- FP EXISTING 1 1/2'C - 4 #2 CU.
- KL EXISTING 2'C - 6 #2 + 1 #8 GND.
- KL2 EXISTING 2'C - 6 #2 CU.
- M EXISTING 3'C - 4 #250 MCM CU.
- MA EXISTING 3'C - 4 #350 MCM + 1 #4 GND, CU.
- MB EXISTING TWO 2'CS - 4 #1/O + 1 #4 GND, CU (EACH).
- MC EXISTING 2 1/2'C - 4 #3/O + 1 #6 GND, CU.
- MD EXISTING 1 1/2'C - 4 #2 + 1 #8 GND, CU.
- N EXISTING 1 1/2'C - 4 #2 CU.
- TA EXISTING 3'C - 2 #500 MCM, 1 #4/O AL.
- TB EXISTING 2'C - 3 #2 + 1 #2 GND, CU.
- TC EXISTING 2'C - 2 #3/O + 1 #6 GND.
- TO EXISTING 2'C - 3 #3/O + 1 #6 GND.
- TC2 EXISTING 2 1/2'C - 3 #500 MCM CU.
- TM EXISTING 2'C - 3 #1/O + 1 #6 GND, CU.
- Z1 EXISTING 2 1/2'C - 4 #4/O + 1 #4 GND.
- Z2 EXISTING 3 1/2'C - 4 #500 MCM AL.
- SP2 EXISTING SPARE 2'C.
- SP3 EXISTING SPARE 3'C.

NEW FEEDER SCHEDULE:

(ALL UNDERGROUND CONDUCTORS, OF A 480/277V POWER SYSTEM, SHALL BE TYPE CU-XHHW-2. ALL OTHER CONDUCTORS, INCLUDING THE EQUIPMENT GROUNDING CONDUCTOR, SHALL BE CU-THWN-2 FOR #8 AWG OR LARGER AND CU-THWN FOR #10 AWG OR SMALLER).

- 70G 1'C - 3 #6 + 1 #8 GND.
- 150G 1 1/2'C - 4 #1 + 1 #6 GND.

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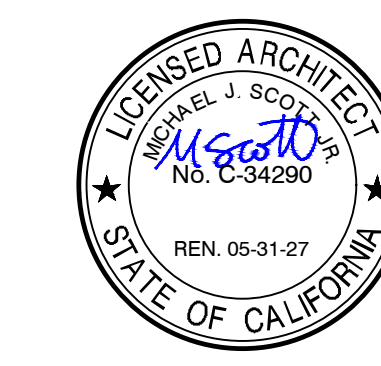
DATE: MARCH 31, 2026

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TITLE
ONE LINE
DIAGRAM
E3.1
PROJECT
25057



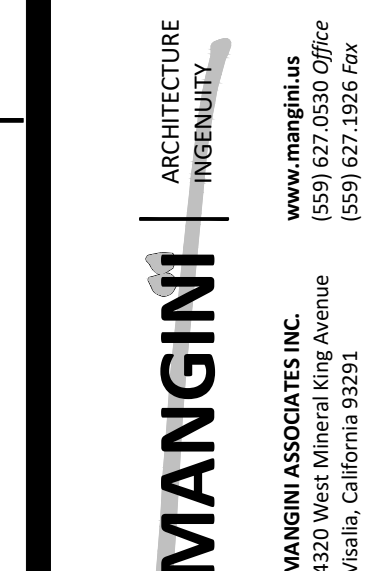
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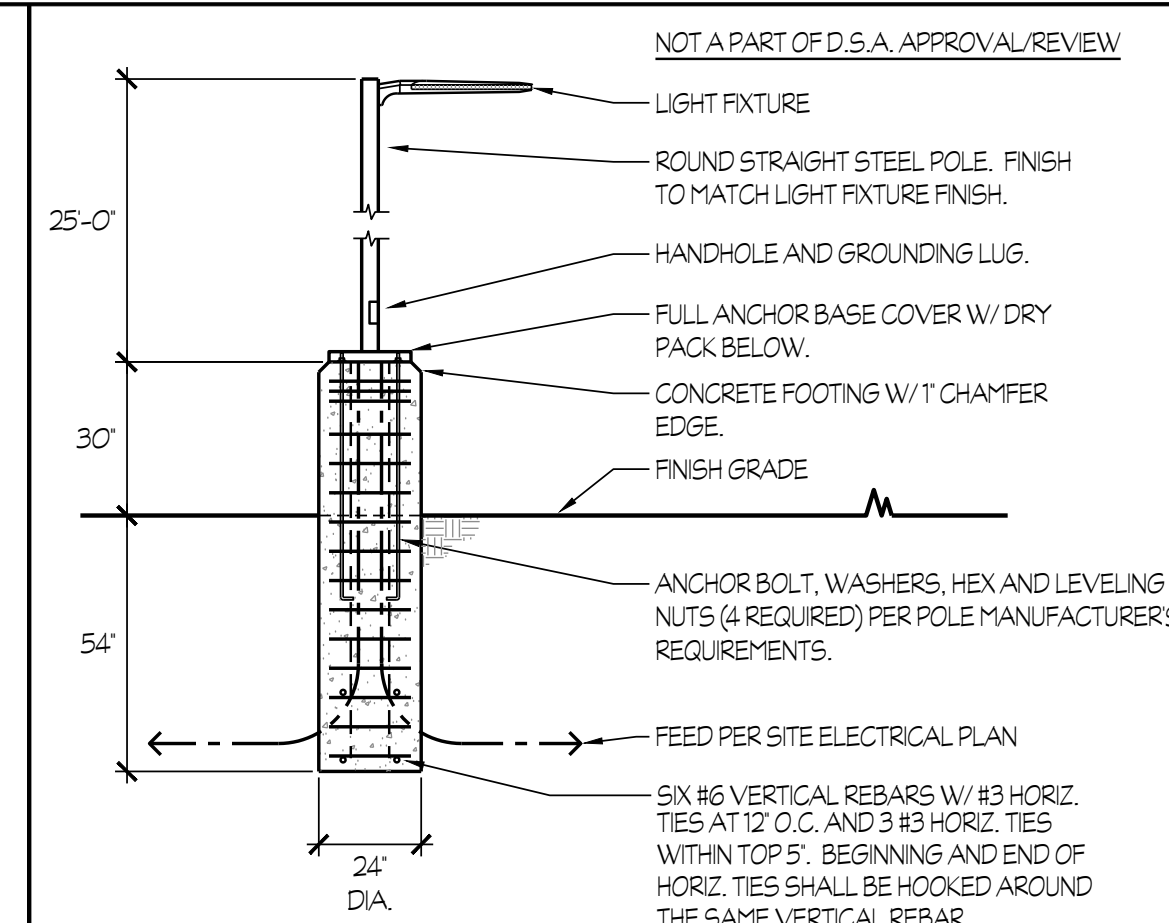
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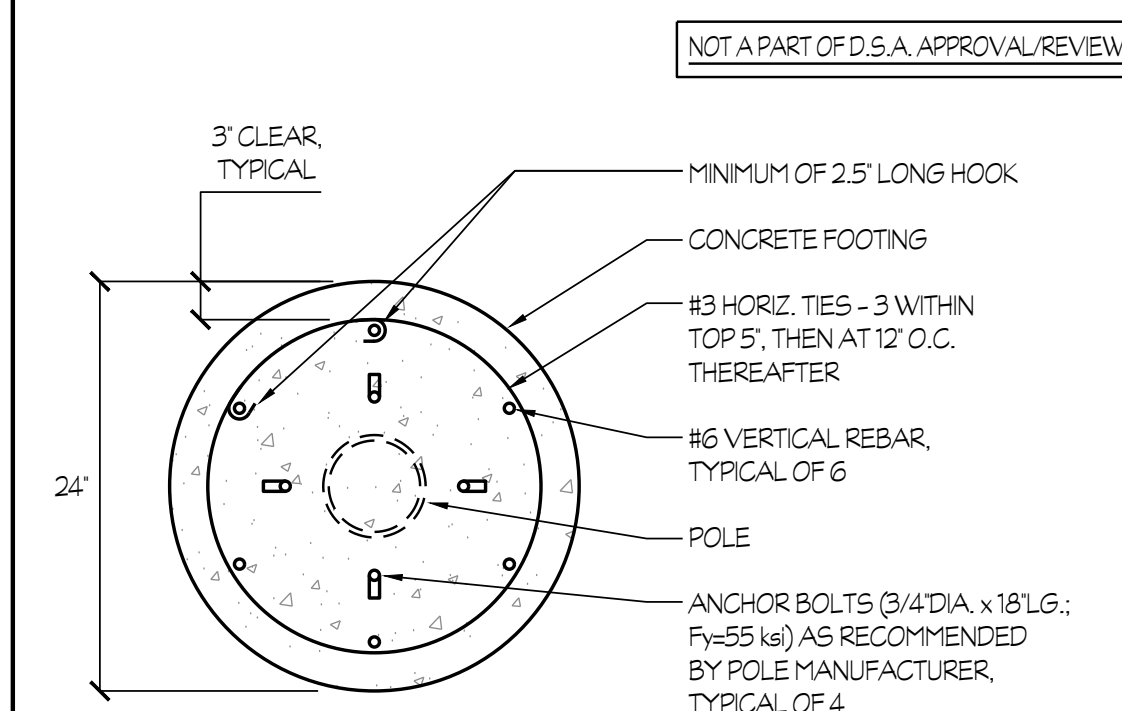
TITLE	DETAILS
1. Introduction	Overview of the project and its objectives.
2. Methodology	Description of the research methods and data collection techniques.
3. Results	Summary of the findings and statistical analysis.
4. Conclusion	Final thoughts and recommendations based on the study.
5. References	List of sources cited in the document.

E3.2

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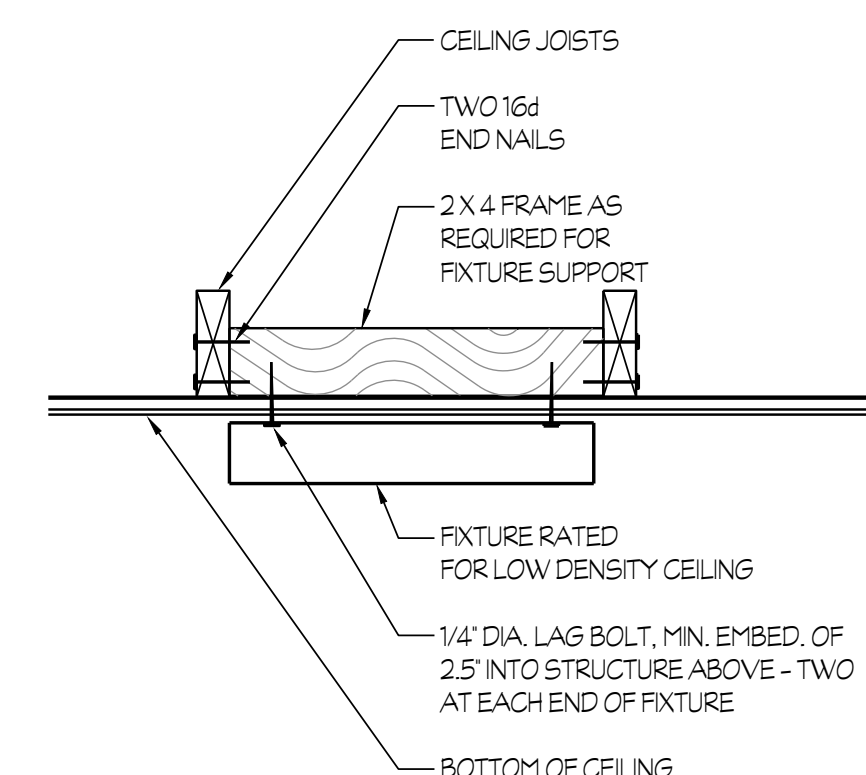


1 POLE LIGHT MOUNTING

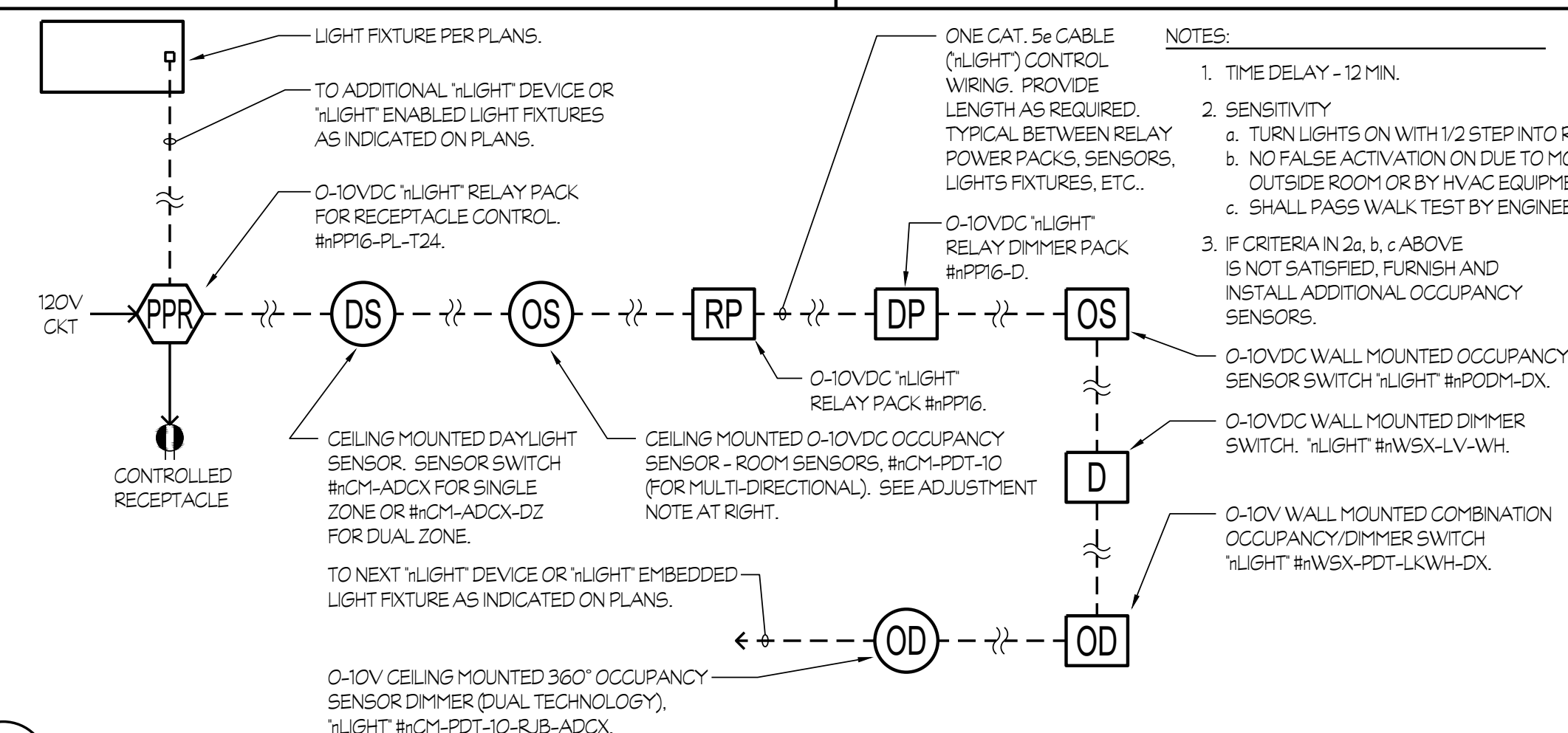
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5 CROSS SECTION OF CONCRETE FOOTING

N

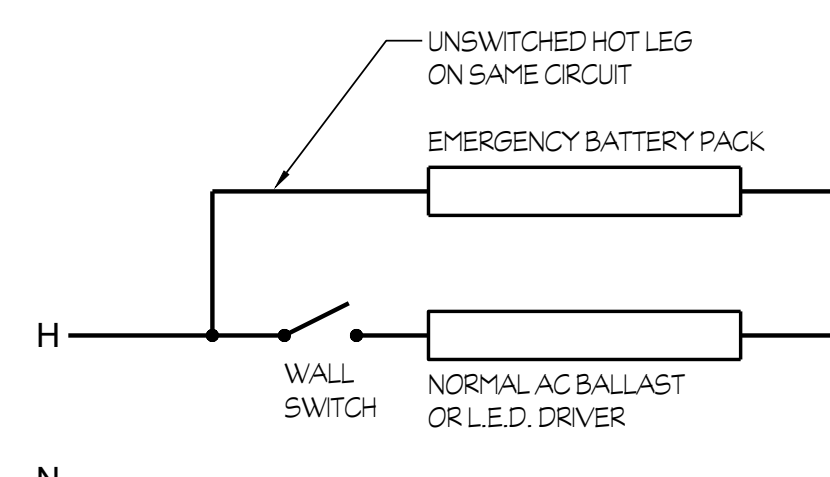


2 SURFACE FIXTURE MOUNTING



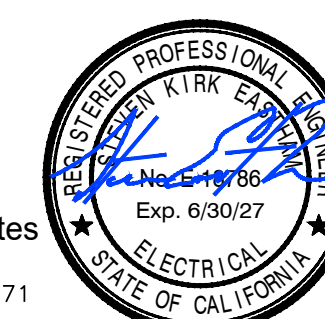
3 SENSOR SWITCH, "nLIGHT" DEVICES WIRING DIAGRAM
(NOTE: ACTUAL SEQUENCE OF DEVICES TO BE PER PLANS)

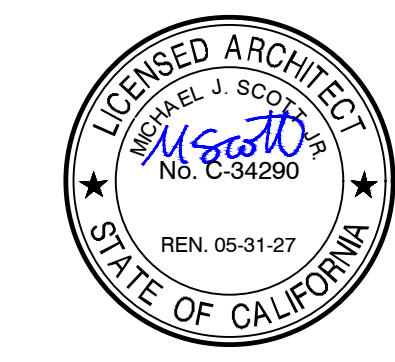
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1 EMERGENCY BATTERY PACK WIRING DIAGRAM

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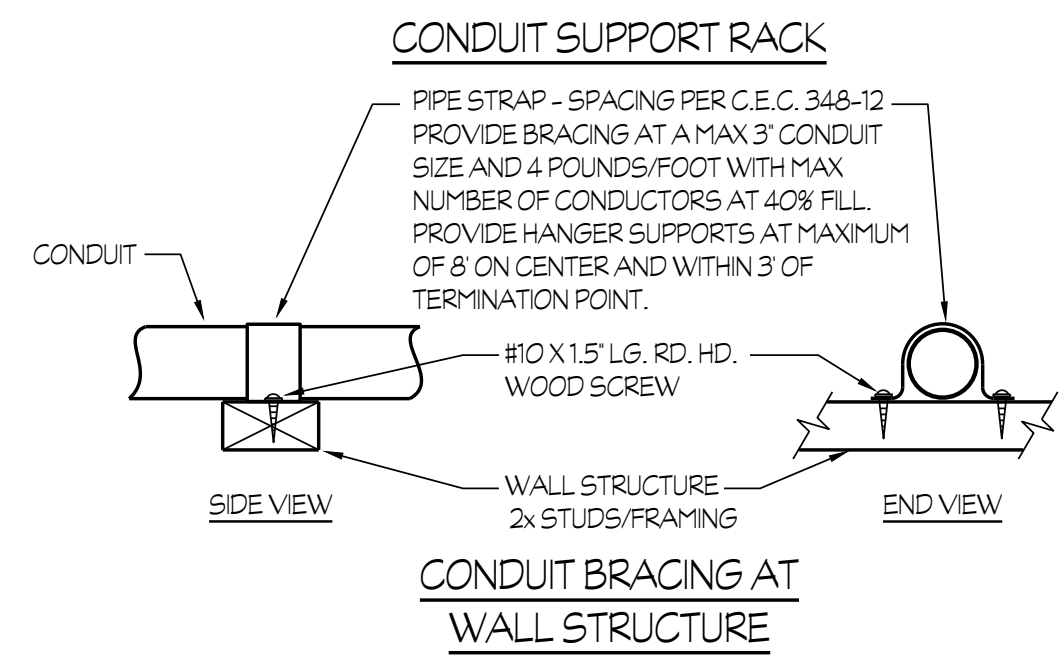
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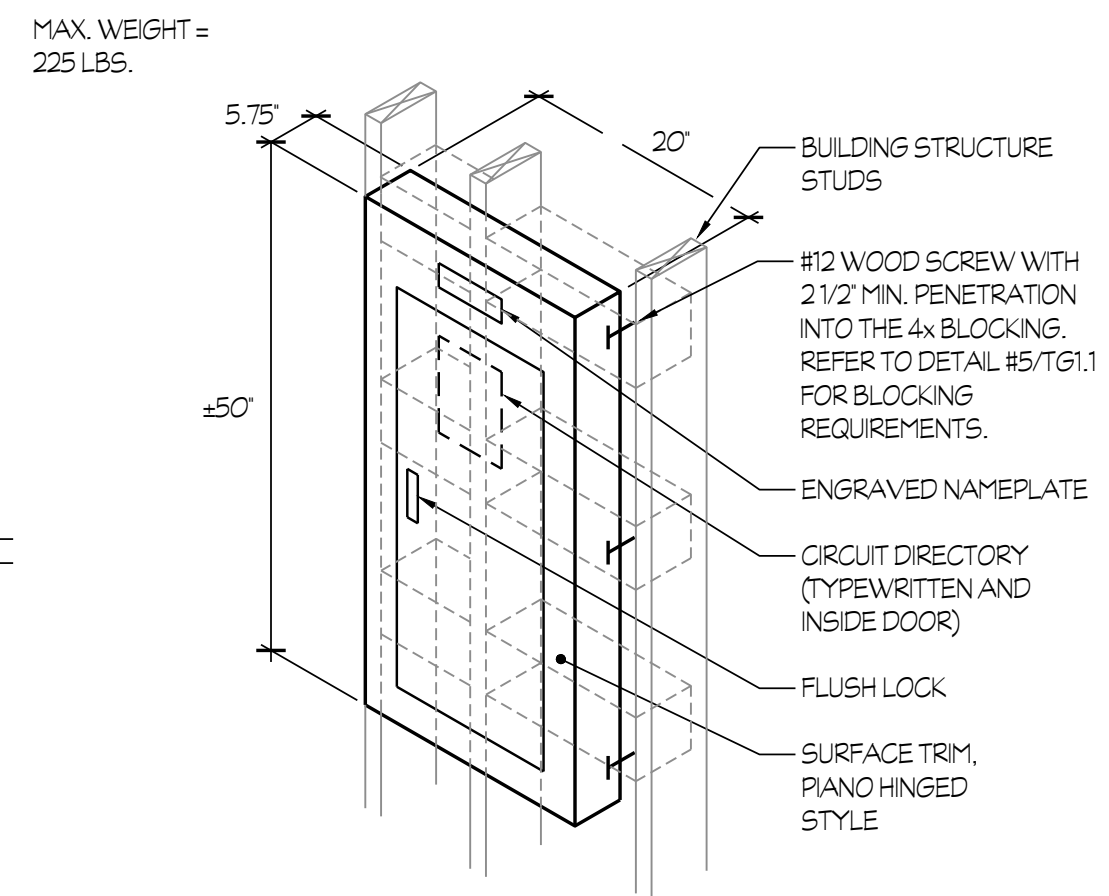
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PROJECT 25057



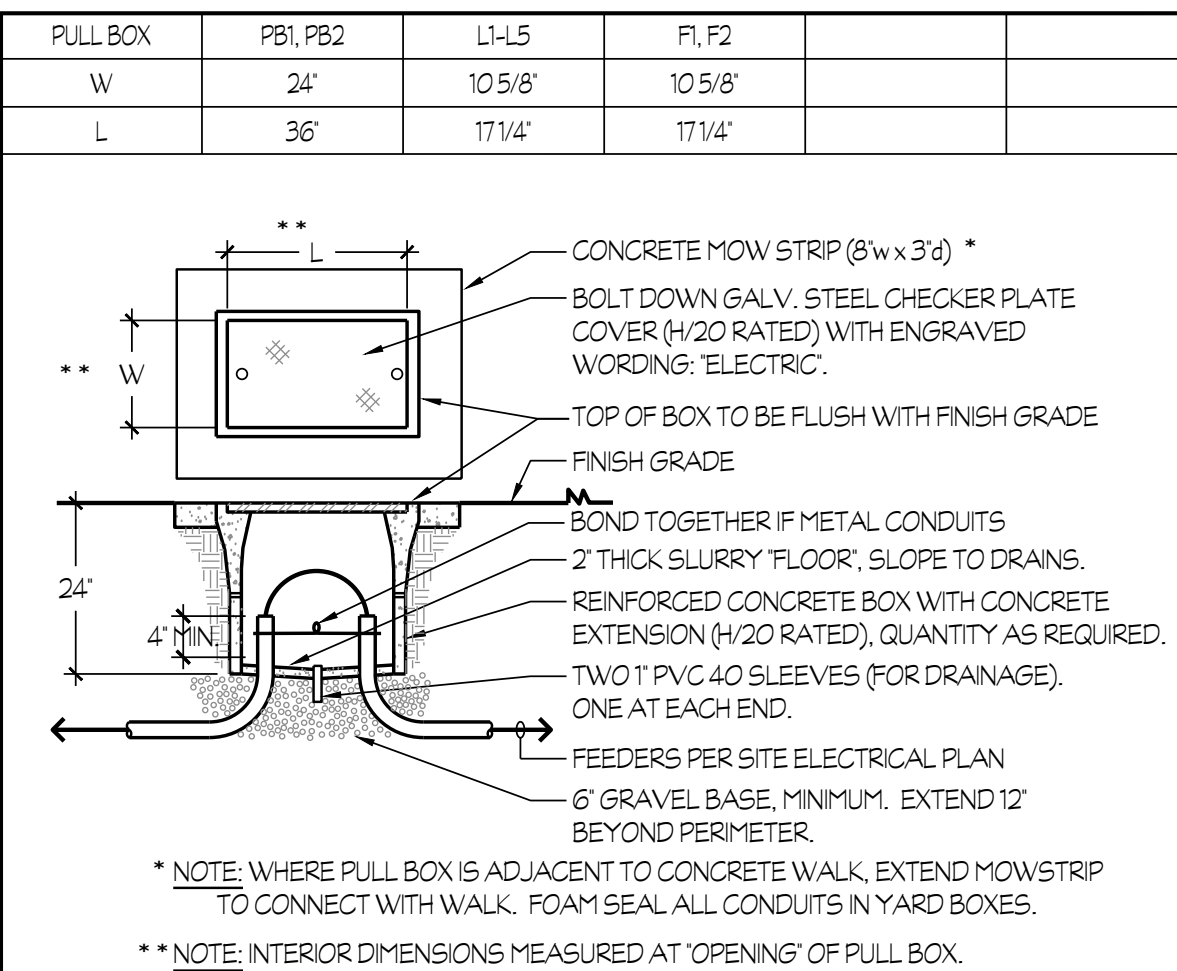
1 CONDUIT MOUNTING DETAILS

NTS



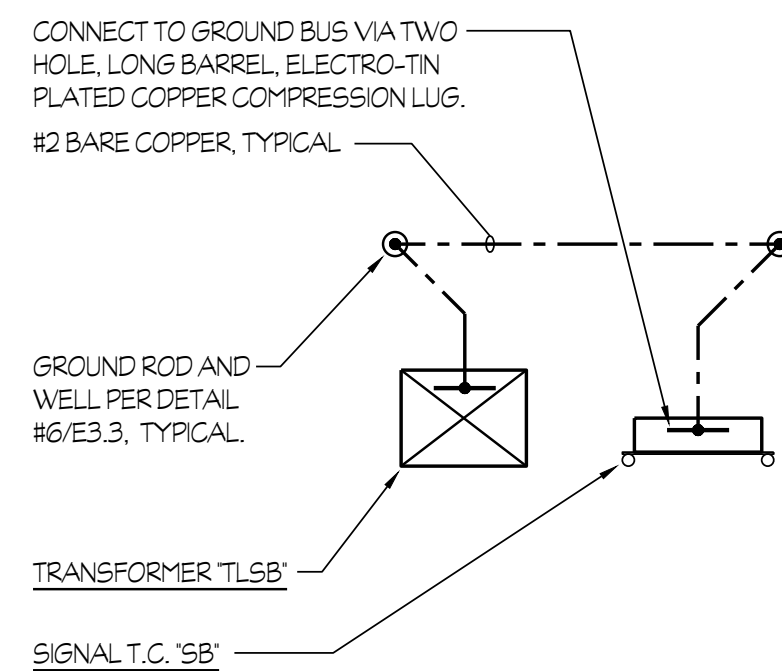
2) SURFACE MOUNTED PANEL

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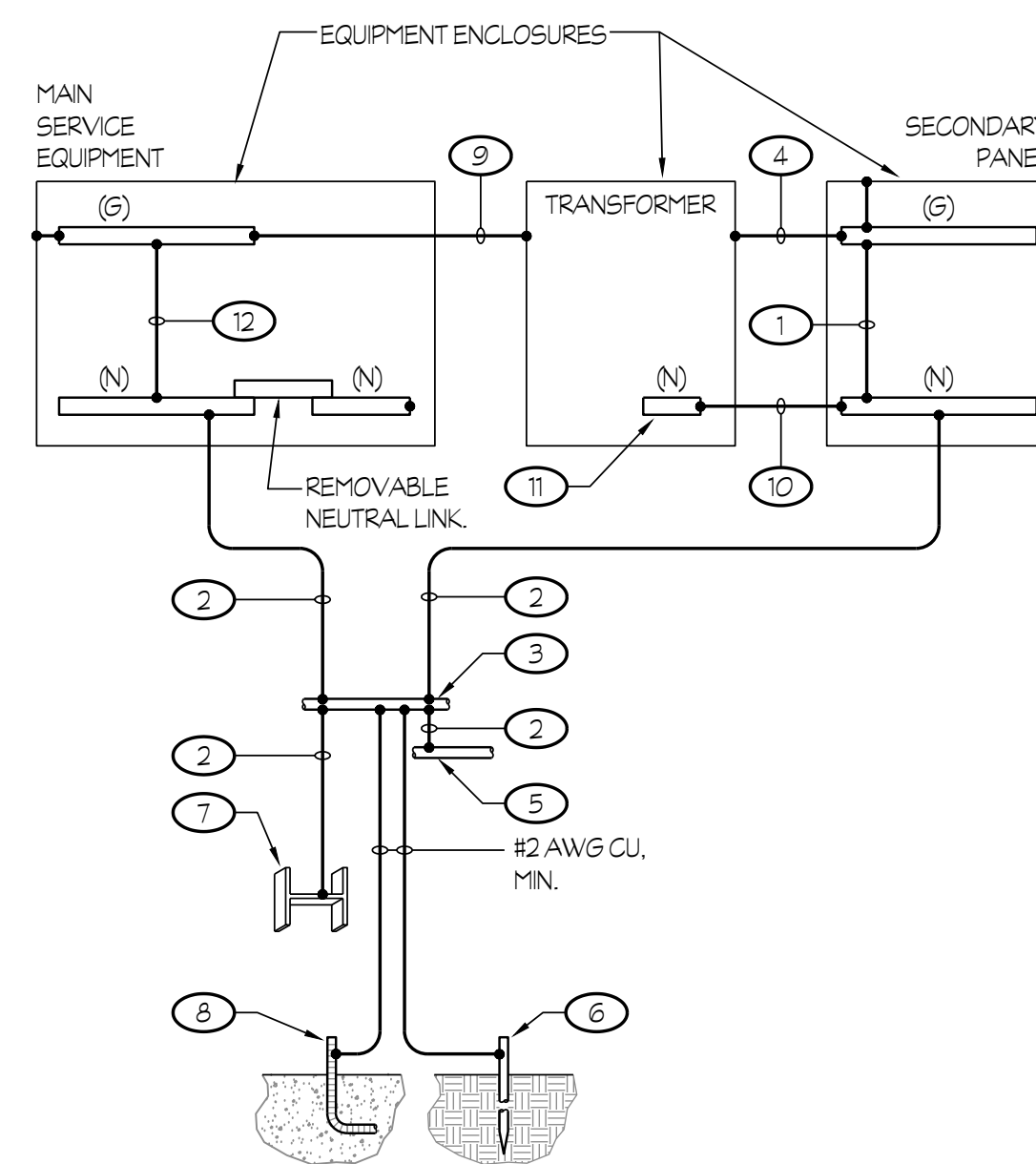
4 PULL BOX MOUNTING

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5 GROUNDING ELECTRODE SYSTEM

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7 MAIN SERVICE EQUIPMENT, XFMR AND SECONDARY PANEL - GROUNDING AND BONDING

NT

- NOTES (THIS DETAIL ONLY):

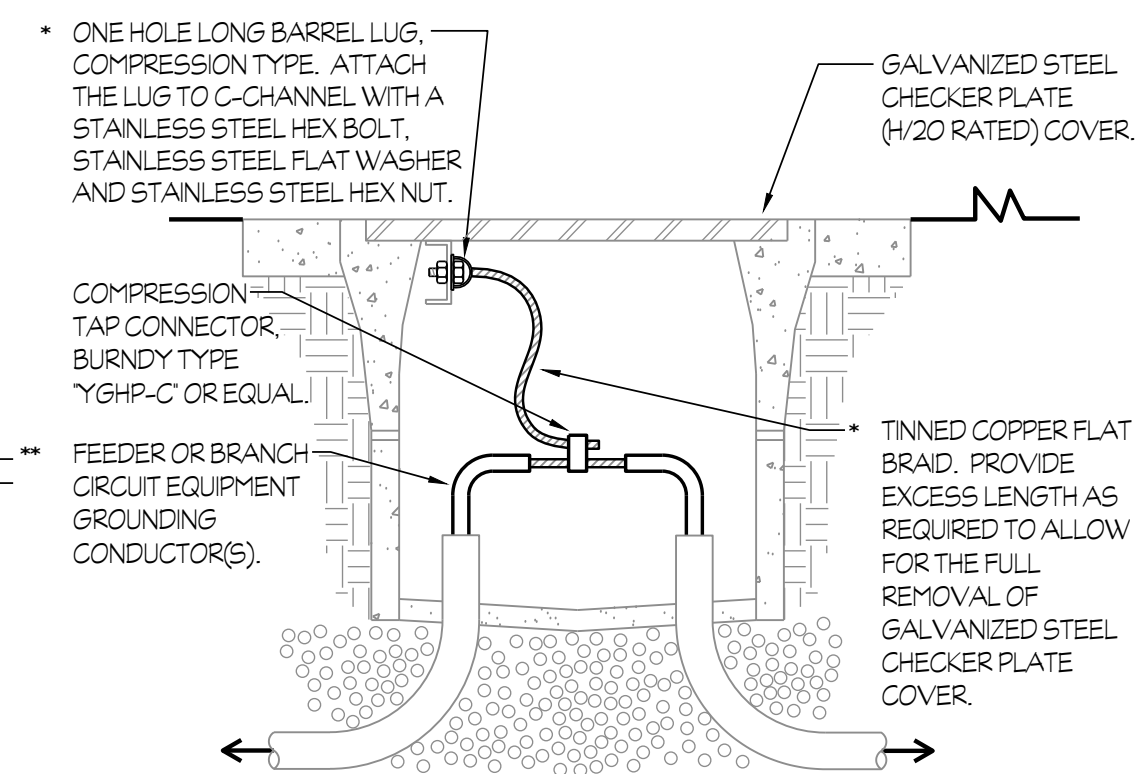
- (1) SYSTEM BONDING JUMPER PER C.E.C. 250.30 (1).
- (2) FULL SIZE GROUNDING ELECTRODE CONDUCTOR PER C.E.C., TABLE 250.66
- (3) METAL WATER PIPING PER C.E.C. 250.104.
- (4) SUPPLY SIDE BONDING JUMPER PER C.E.C. 250.30 (A), (2).
- (5) OTHER ABOVEGROUND METALLIC PIPING SYSTEMS PER C.E.C. 250.104.
- (6) 5/8" DIA. ROD ELECTRODE PER C.E.C. 250.52 (A), (5).
- (7) BUILDING STRUCTURAL STEEL PER C.E.C. 250.104.
- (8) CONCRETE ENCASED ELECTRODE PER C.E.C. 250.52 (A), (5).
- (9) EQUIPMENT GROUND CONDUCTOR PER C.E.C., TABLE 250.122.
- (10) NEUTRAL CONDUCTOR PER FEEDER SCHEDULE.
- (11) NEUTRAL BAR.
- (12) MAIN BONDING JUMPER PER C.E.C. 250.28.

LEGEND:

- (G) DENOTES THE GROUND BUS OR BAR.
(N) DENOTES THE NEUTRAL BUS OR BAR.

GENERAL NOTE:

ALL MATERIALS AND METHODS USED IN GROUNDING AND BONDING SHALL COMPLY WITH C.E.C. ARTICLE 250.



- * THIS TYPICAL WORK SHALL BE PROVIDED FOR EACH SECTION OF A MULTIPLE SECTION COVER.

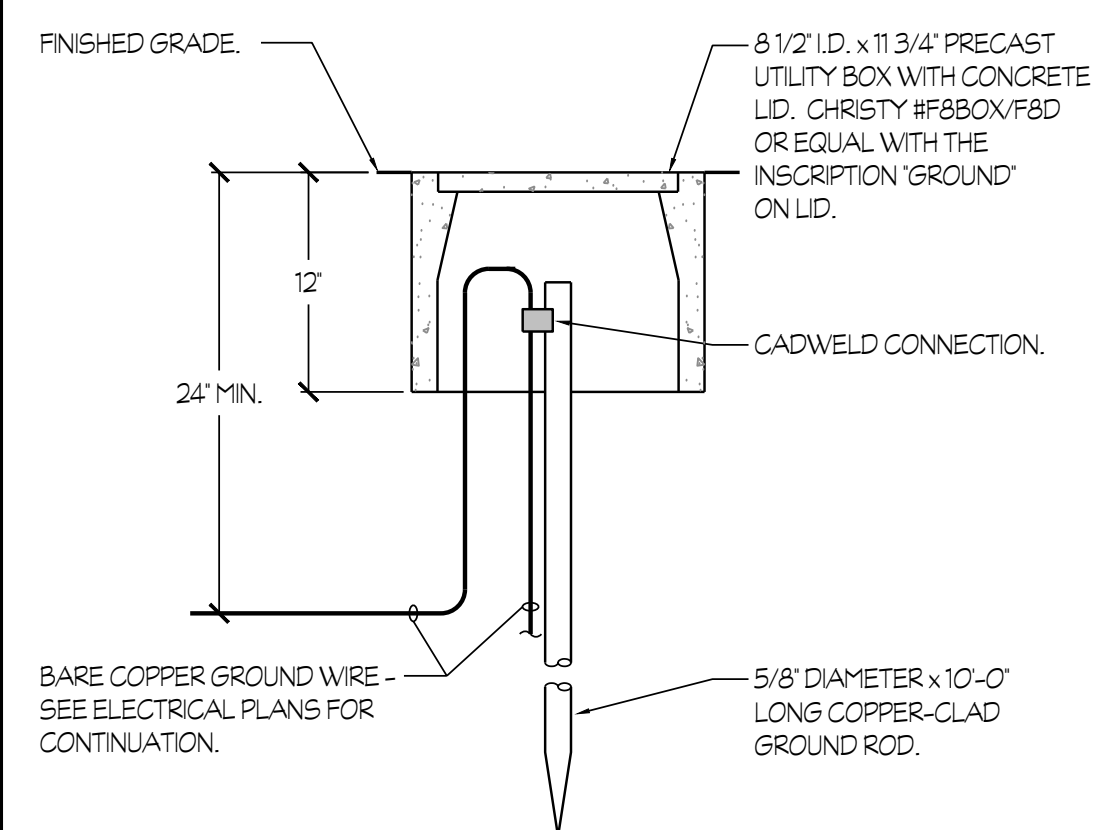
- THIS TYPICAL WORK SHALL BE DONE FOR EACH OF THE LARGEST FEEDER (OR BRANCH CIRCUIT) EQUIPMENT GROUNDING CONDUCTOR, PASSING THRU THE RESPECTIVE PULL BOX, WHICH ORIGINATE FROM SEPARATE SOURCES/VOLTAGES.

MATRIX FOR TINNED COPPER FLAT BRAID		
SIZE OF EQUIPMENT GROUNDING CONDUCTOR (G)	ALPHA WIRE PART #	OLYMPIC WIRE AND CABLE PART #
#8	1233	708
#6	1235	710
#4	1239	710
#2 THRU #1/O	1240	713
#2/O THRU #4/O	1241	714

- (a) CONTAINED IN THE LARGEST FEEDER (OR BRANCH CIRCUIT) PASSING THRU THE RESPECTIVE PULL BOX.

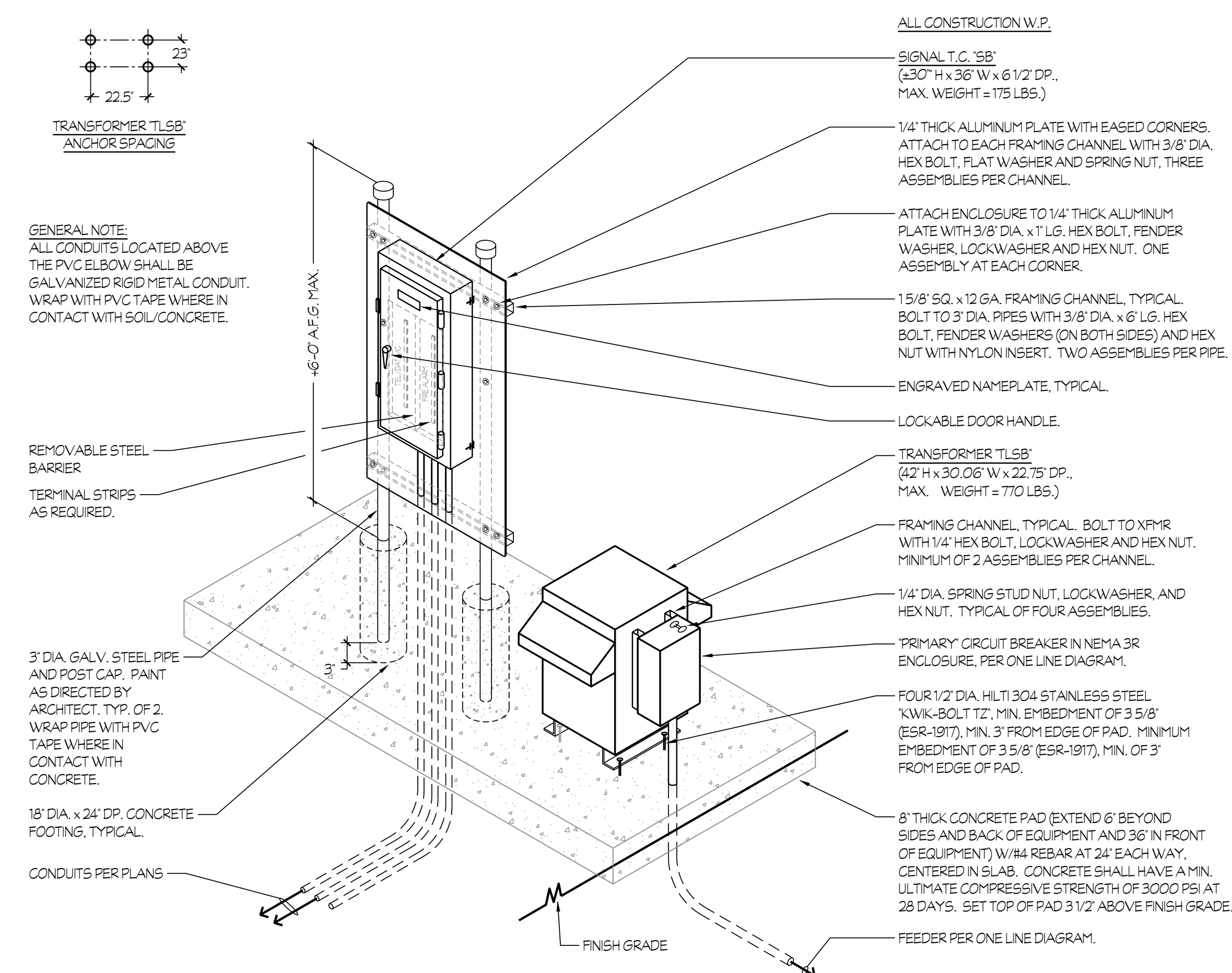
3 GROUNDING AND BONDING OF STEEL CHECKER PLATE COVERS

NTG



6 GROUND WELL DETAIL

NTS



8 TRANSFORMER "TL SB" AND SIGNAL T.C. "SB" MOUNTING

NT

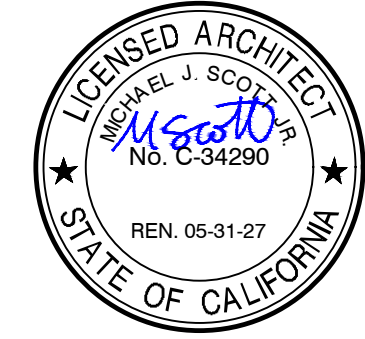
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131 S. Dunworth - (559)733-2671
Visalia, California 93292-6705



Z:\Drawing\Jobs\VES\250005\Three Rivers ES Athletic Storage and Snack Bar.dwg DATE SHOWN: 03/30/26 BY: CSE DATE PLOTTED: 08/27/26 JOB #: 25-205-CU

120/208V, 3 PH, 4 W										22K BREAKER A.I.C.										
225 A. BUSSING										5 3/4" MAX ENCL DEPTH										
42 CIRCUIT										SURF MOUNTING										
PANEL "LSB"																				
CKT	BKR	LOAD: V.A.			DESCRIPTION					DESCRIPTION					LOAD: V.A.			BKR	CKT	
1	20/1	463			LIGHTS - SNACK BAR					LIGHTS - EXTERIOR							180	20/1	2	
3	20/1		900		RECEPT- STORAGE					RECEPT - STORAGE					720			20/1	4	
5	20/1			370	RECEPT - E.D.F.					RECEPT - STORAGE					720			20/1	6	
7	20/1	1000			RECEPT - SNACK BAR					F.A. POWER EXPANDER						500		20/1	8	
9	20/1		1000		RECEPT - SNACK BAR					RECEPT - SNACK BAR						1000		20/1	10	
11	20/1			1000	RECEPT - SNACK BAR					RECEPT - SNACK BAR					1000			20/1	12	
13	20/1	1000			RECEPT - SNACK BAR					RECEPT - SNACK BAR						1000		20/1	14	
15	20/1		1000		ICE MAKER					RECEPT - SNACK BAR						1000		20/1	16	
17	20/1			220	WF-1					FF-1					150			20/1	18	
19	20/1	220			WF-2					I.D.F.							500	20/1	20	
21	20/1		52		EF-1					SPARE								20/1	22	
23	20/1			56	EF-2					LIGHTS - P.O.T./SAFE DISP.					345			20/2	24	
25	20/1	56			EF-3											345			26	
27	20/1				SPARE					SPARE								20/1	28	
29	20/1			500	ROLL-UP DOOR					SPARE								20/1	30	
31	20/1				SPARE					SPARE								20/1	32	
33	20/1				SPARE					SPARE								20/1	34	
35	20/1				SPARE					SPARE								20/1	36	
37					SPACE					WH-1							4500	50/3	38	
39					SPACE											4500				40
41					SPACE										4500					42
LOAD SUMMARY					A	B	C	TOTAL CALCULATED LOAD FOR PANEL: 29130 VA												
CONNECTED LOAD (VA):					9764	10172	8861													
25% LCL/LML (VA):					247	0	86													
TOTAL LOAD (VA):					10011	10172	8947													
TOTAL LOAD (AMPS):					83.4	84.8	74.6													

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Visalia, California 93292-6705



DATE: MARCH 31, 2026

NEW SNACK BAR/ ATHLETIC STORAGE BLDG.
AT THREE RIVERS UNION ELEMENTARY SCHOOL
41932 SIERRA DR., THREE RIVERS, CA 93271
THREE RIVERS UNION SCHOOL DISTRICT
THREE RIVERS, TULARE COUNTY, CA 93271

REVISIONS	△	_____
	△	_____
	△	_____
	△	_____
	△	_____

ARCHITECTURE
INGENUITY

MANGINI

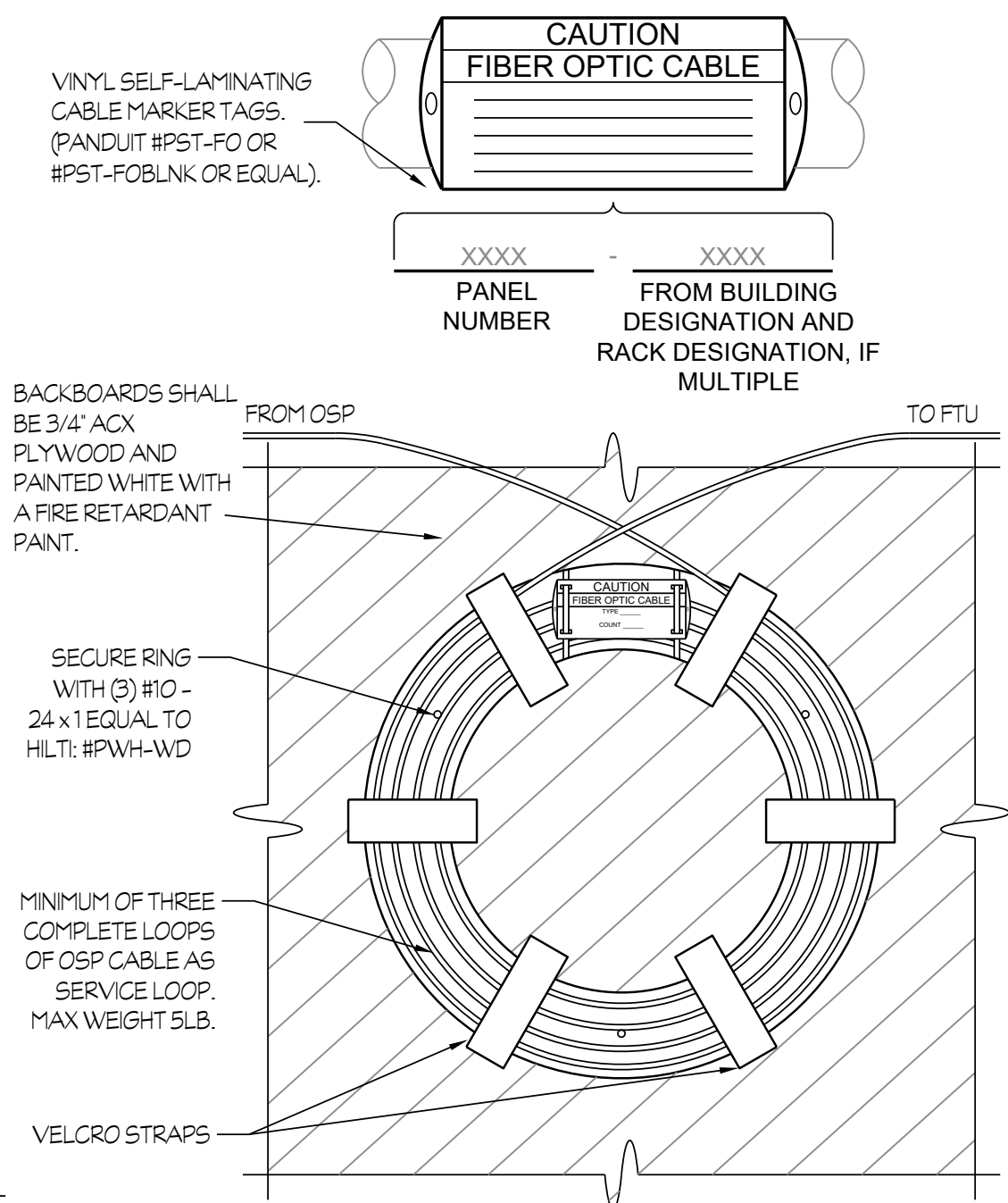
MANGINI ASSOCIATES INC.
4320 West Mineral King Avenue
Visalia, California 93291
www.mangini.us
(559) 627.0530 Office
(559) 627.1926 Fax

TITLE
PANEL
SCHEDULES

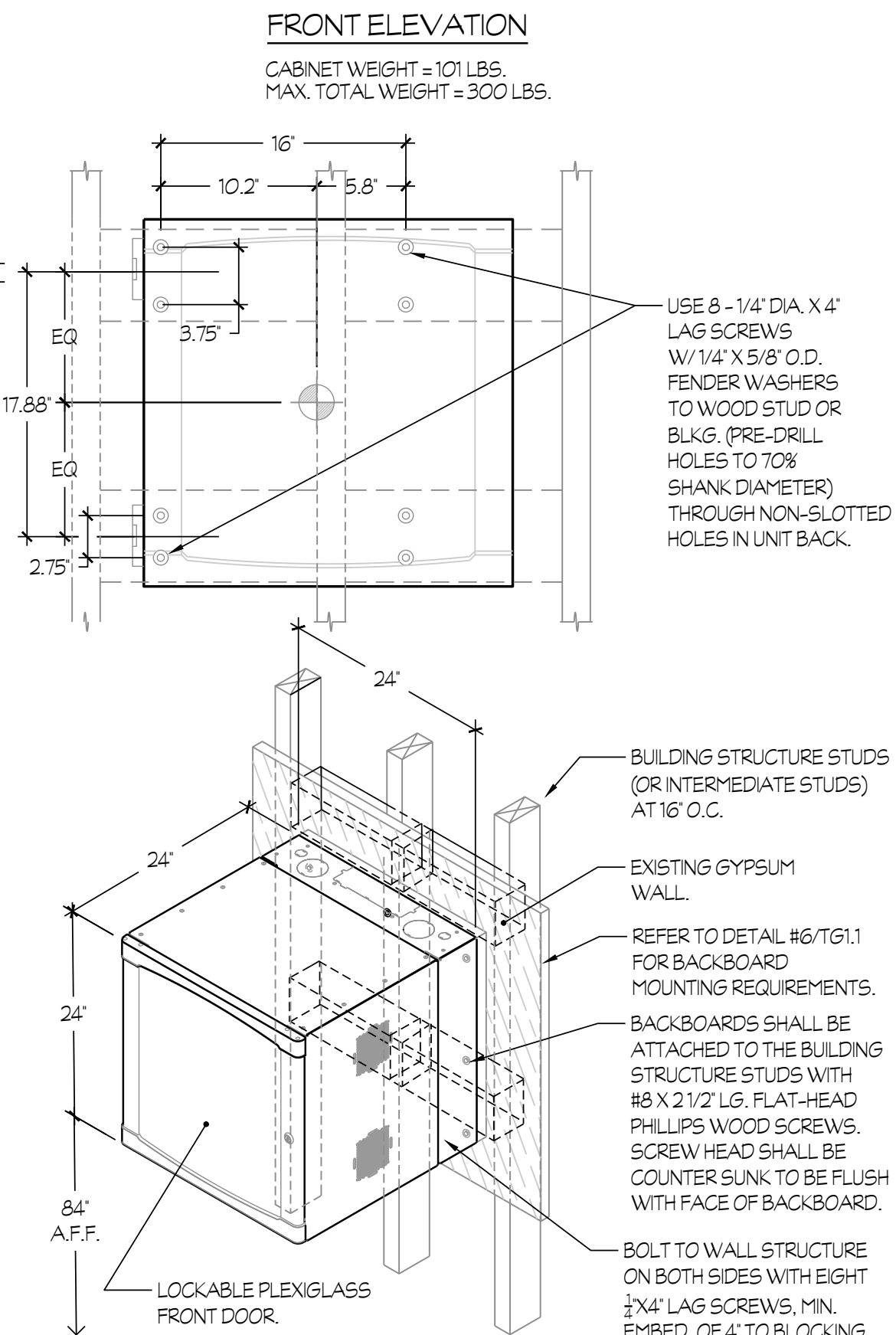
E4.1

PROJECT 25057

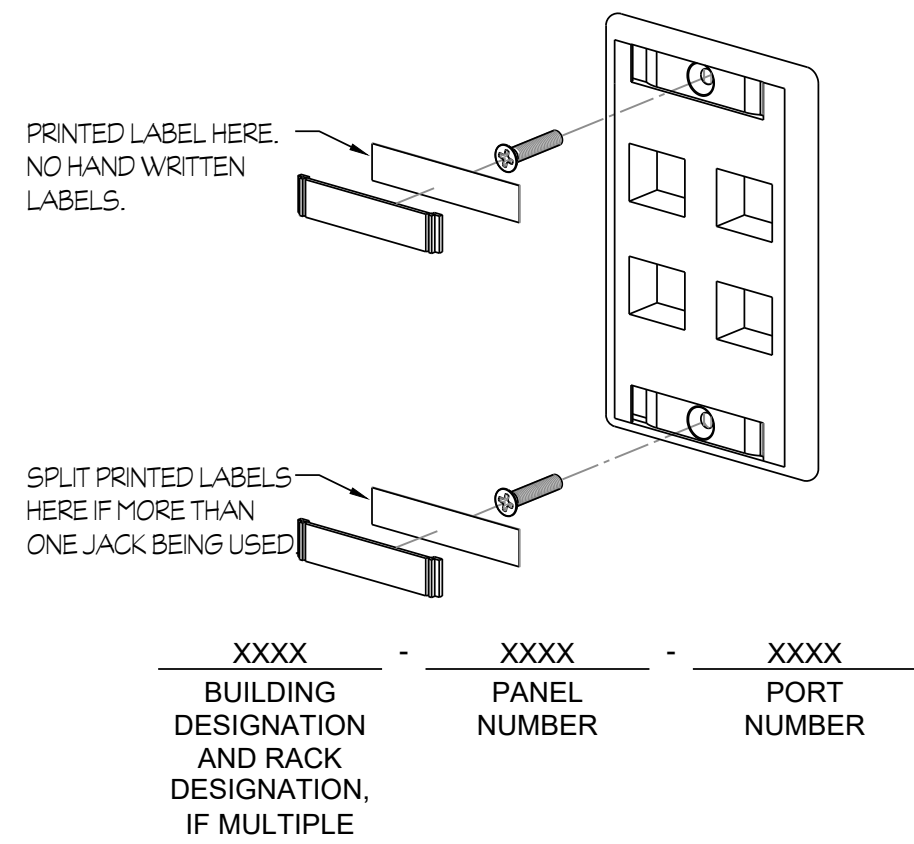
Z:\Drawing\Jobs\025\WOODS\Three Rivers\025\Woods Storage and Snack Bar.dwg DATE: 06/27/25 BY: CS DATE PLOTTED: 06/27/25 JOB #: 25-005-04



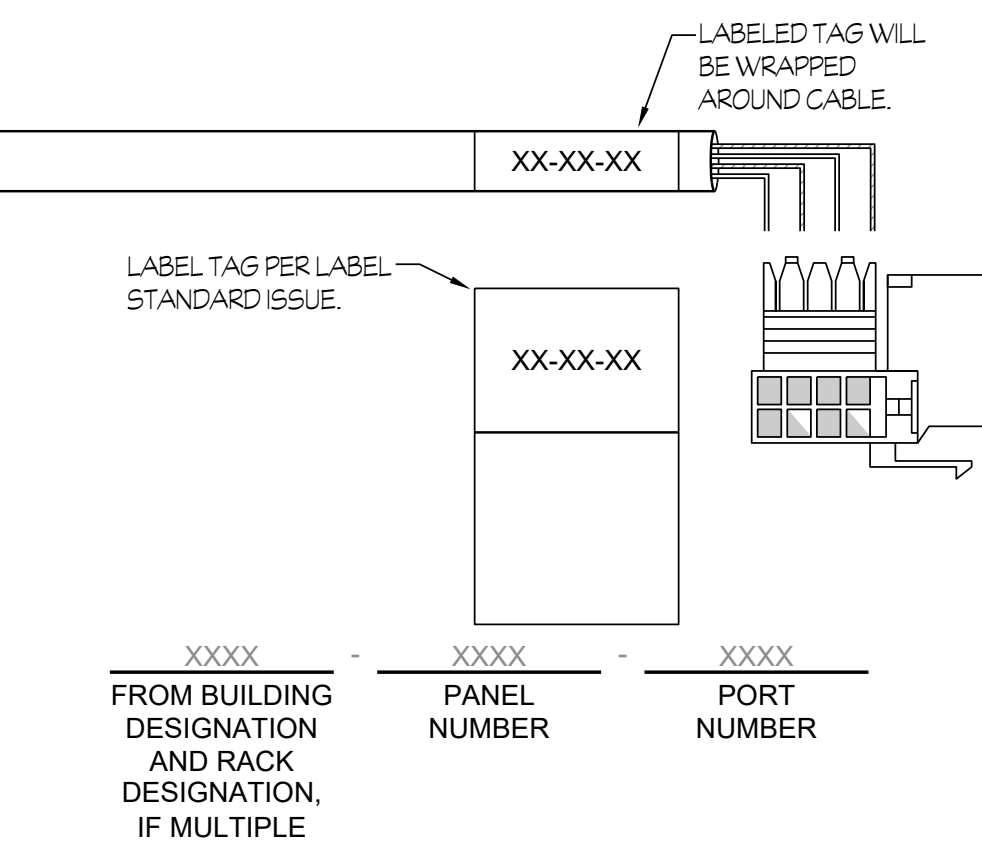
1 STORAGE RING AND LABEL FOR FIBER OPTIC
NTS



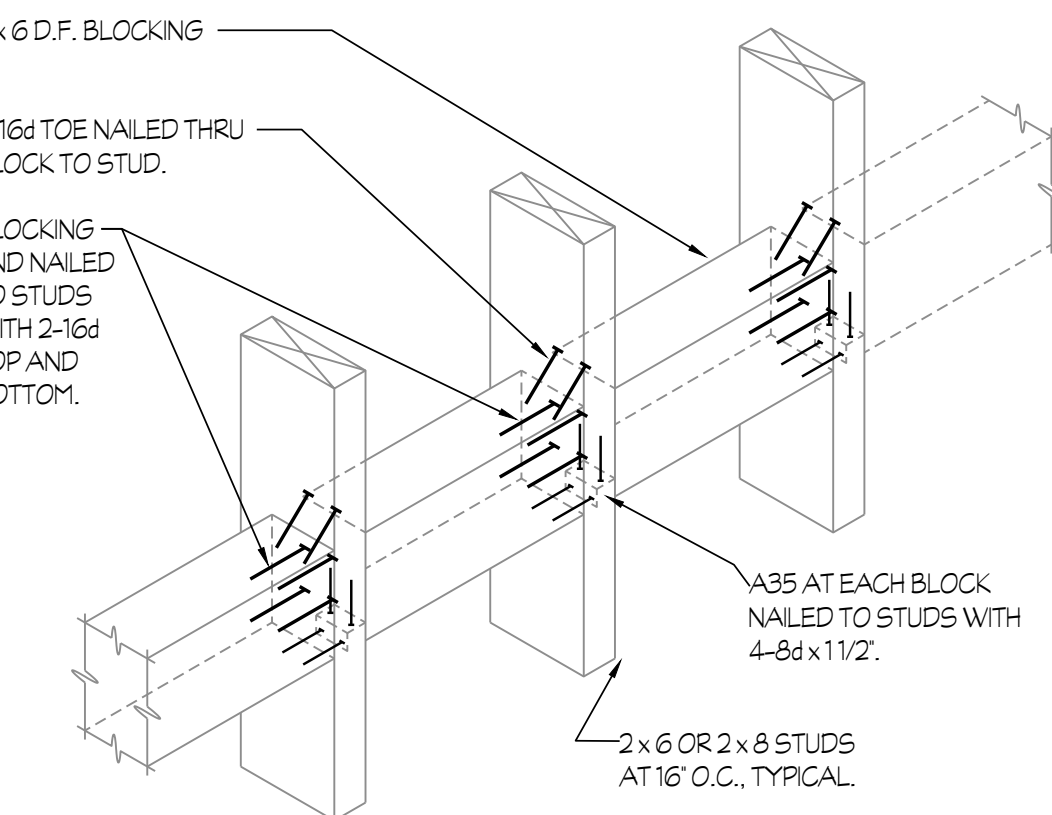
2 I.D.F. MOUNTING DETAIL
NTS



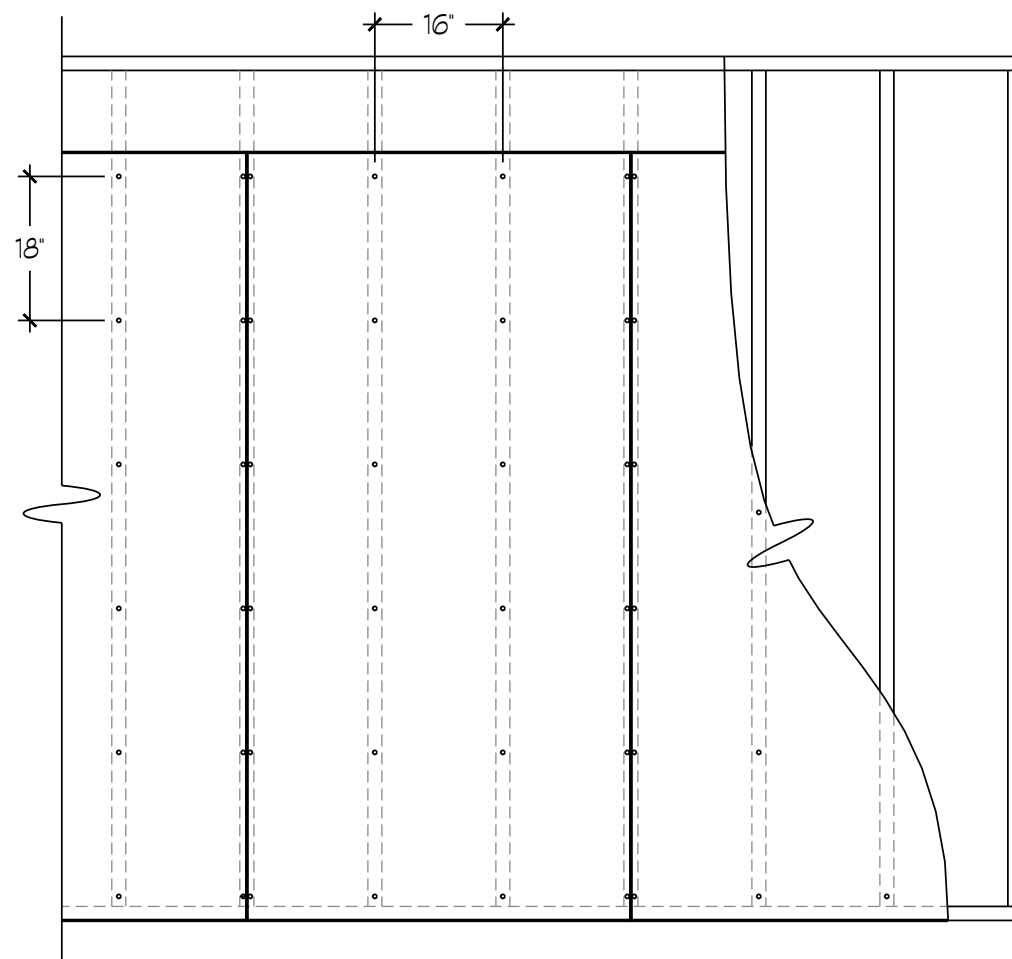
3 DATA OUTLET IDENTIFICATION MATRIX
NTS



4 CABLE LINK IDENTIFIER LABELING FORMAT
NTS



5 4 x 6 BLOCKING AT WALL
NTS



- NOTES (THIS DETAIL ONLY):
- BACKBOARDS SHALL BE 3/4" ACX PLYWOOD AND PAINTED WHITE WITH A FIRE RETARDANT PAINT.
 - BACKBOARDS SHALL BE ATTACHED TO THE BUILDING STRUCTURE STUDS WITH #8 x 2 1/2" LG. FLAT-HEAD PHILLIPS WOOD SCREWS. SCREW HEAD SHALL BE COUNTER SUNK TO BE FLUSH WITH THE FACE OF BACKBOARD.
 - BACKBOARDS WILL BE SECURED TO THE WALL VERTICALLY AT 18" O.C., AND HORIZONTALLY AT 16" O.C. (J.O.N.).
 - PROVIDE CUTOUTS FOR ALL DUPLEX AND/OR QUADRIplex RECEPTACLES.

6 PLYWOOD BACKBOARD MOUNTING DETAIL
NTS

SIGNALS / TELECOMMUNICATIONS APPLICABLE CODES AND STANDARDS

CODES:

2025 CALIFORNIA ELECTRICAL CODE (C.E.C.)

STANDARDS AND GUIDES:

NFPA 72 - NATIONAL FIRE ALARM CODE, (CALIFORNIA AMENDED)

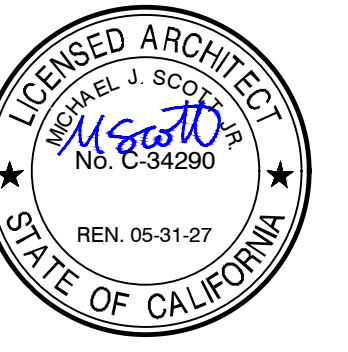
ANSI/BICSI - TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL (TDMM), 13TH EDITION OR NEWER.

ANSI/BICSI 001-2017 - INFORMATION AND COMMUNICATION TECHNOLOGY SYSTEMS DESIGN AND IMPLEMENTATIONS BEST PRACTICES FOR EDUCATIONAL INSTITUTIONS AND FACILITIES.

ANSI/BICSI 005-2016 - ELECTRONIC SAFETY AND SECURITY (ESS) SYSTEM DESIGN AND IMPLEMENTATIONS BEST PRACTICES.

GENERAL NOTE:

- REFER TO DETAIL #1/E3.3 FOR CONDUIT SUPPORT DETAILS.

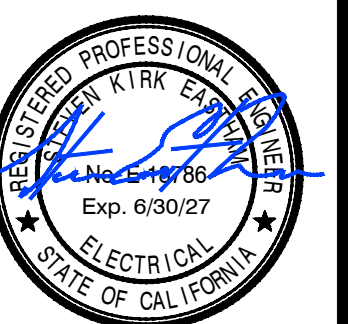


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TITLE
SIGNALS CODES,
NOTES, DETAILS &
SYMBOLS SCHEDULE

TG1.1

PROJECT 25057