

10 VICINITY MAP

1. THE INTENT OF THESE DRAWINGS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK. WORDS AND ABBREVIATIONS WHICH HAVE WELL KNOWN TECHNICAL OR TRADE MEANINGS ARE USED IN THESE DRAWINGS IN ACCORDANCE WITH SUCH RECOGNIZED MEANINGS.

2. SHOULD EITHER THE DRAWINGS OR ANY PARTICULAR SPECIFICATION, AND THE GENERAL CONDITIONS CONTRADICT EACH OTHER IN ANY POINT, OR REQUIRE CLARIFICATIONS, THE CONTRACTOR MUST CALL THE SAME TO THE ATTENTION OF THE PROJECT ENGINEER / ARCHITECT AND HIS DECISION SHALL BE OBTAINED PRIOR TO THE SUBMISSION OF BIDS. OTHERWISE THE ENGINEER'S INTERPRETATION WILL GOVERN THE PERFORMANCE OF THE WORK AND NO ALLOWANCE SHALL BE MADE IN BEHALF OF THE SUBCONTRACTOR FOR ERROR OR NEGLIGENCE ON HIS PART IN THIS CONNECTION.

3. PROSPECTIVE SUBCONTRACTOR SHALL SECURE ALL DATA AT THE SITE OF THE PROPOSED CONST. SUCH AS GRADES OF LOT, CONVENIENCE AND SORTING MATERIALS, LOCATION OF PUBLIC SERVICES, AND OTHER INFORMATION WHICH WILL HAVE A BEARING ON MAKING THEIR PROPOSALS OR ON THE EXECUTION OF THE WORK IF AWARDED THE CONTRACT, AND NO ALLOWANCE WILL BE MADE FOR FAILURE OF THE CONTRACTOR TO OBTAIN SUCH ON-SITE INFORMATION PRIOR TO BIDDING.

4. SHOULD ANY ERROR OR INCONSISTENCY APPEAR IN THE DRAWINGS, THE CONTRACTOR, BEFORE PROCEEDING WITH WORK, MUST CLEARLY BRING THE SAME TO THE ATTENTION OF THE PROJECT ENGINEER / ARCHITECT FOR PROPER ADJUSTMENT, AND IN NO CASE PROCEED WITH THE WORK IN UNCERTAINTY NOR WITH INSUFFICIENT DUG.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL MEASUREMENTS AT AND IN THE PROPOSED CONSTRUCTION BUILDING OR SITE OR SURROUNDINGS. NO CHARGE OR COMPENSATION SHALL BE ALLOWED DUE TO DIFFERENCES BETWEEN ACTUAL DIMS. AND DIMENSIONS INDICATED ON THE DRAWING. ANY SUCH DISCREPANCY IN DIMENSIONS WHICH MAY BE FOUND, SHALL BE SUBMITTED TO ENGINEER FOR HIS CONSIDERATION BEFORE THE CONTRACTOR PROCEEDS WITH THE WORK IN THE AFFECTED AREA.

6. CONTRACTORS SHALL FOLLOW SIZES IN SPECS. OR FIGURES ON DUGS. IN PREFERENCE TO SCALE MEASUREMENTS, AND FOLLOW DETAILED DUGS. IN PREFERENCE TO GENERAL DRAWINGS, AND FOLLOW ACTUAL FIELD CONDITIONS.

7. WHERE IT IS OBVIOUS THAT A DRAWING ILLUSTRATES ONLY A PART OF A GIVEN WORK OF A NUMBER OF ITEMS, THE REMAINDER SHALL BE DEEMED REPETITIOUS AND SO CONSTRUCTED.

8. THE DOCUMENTS INDICATE GEN. AND TYP. DETS. OF CONSTRUCTION, WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED, DETAILS OF A CHARACTER SIMILAR TO THOSE SHOWN SHALL BE USED SUBJECT TO REVIEW BY PROJECT ENGINEER / ARCHITECT.

9. NOTHING CONTAINED HEREON SHALL BE CONSTRUED TO VIOLATE ANY APPLICABLE REGULATIONS.

10. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CCD APPROVED BY DSA AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, C.C.R.

11. BY EXECUTING THE CONTRACT, THE SUBCONTRACTOR REPRESENTS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSELF WITH THE LOCAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED, AND CORRELATED HIS OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, AND HAS READ ALL CONTRACT DUGS, INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND SITE WORK.

12. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PROVIDED ON THESE AND ALL DRAWINGS CONCUR WITH THE EXISTING CONDITIONS. DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT/ENGINEER OF RECORD AND RESOLVED PRIOR TO FURTHER CONSTRUCTION.

13. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFE CONST. PROCEDURES AT THE SITE AT ALL TIME.

14. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING SHOWN ON THE DUGS, OR IMPLICITLY REGD. DURING CONSTR. (TEMPORARY OR OTHERWISE) SAFETY SHALL BE MAINTAINED AT ALL TIMES ON AND OFF DUTY HOURS.

15. THE PLANS AND DETAILS OF THESE DRAWINGS PROVIDE THE INTENT OF THE PROJECT. ANY QUESTIONS AND/OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT / ENGINEER OF RECORD AND RESOLVED PRIOR TO FURTHER CONSTRUCTION.

16. CONTRACTOR MAY RESERVE THE RIGHT TO SUBSTITUTE CALLED OUT NAME BRAND ITEMS WITH OTHERS OF EQUAL VALUE / QUALITY W/ PRIOR APPROVAL FROM ARCHITECT.

17. CONSTRUCTION AND DEMO. SHALL COMPLY WITH CFC 33 - FIRE LIFE SAFETY DURING CONSTRUCTION AND DEMO.

18. A "DSA CERTIFIED" 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, C.C.R.

19. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DUGS, SPECIFICATIONS AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT AND STRUCTURAL ENGINEER AND APPROVED BY THE DSA. DEFERRED SUBMITTALS: NONE

20. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

21. THE INTENT OF THESE DUGS, AND SPECS. IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, C.C.R. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DUGS, WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, C.C.R. A CCD OR A SEPARATE SET OF PLANS AND SPECIFICATIONS AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK (SECTION 4-311(C), PART 1, TITLE 24, C.C.R.)

22. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCE

23. NEW BUILDING 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.

24. ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS.

25. SUBSTITUTIONS AFFECTING DSA-REGULATED ITEMS SHALL BE CONSIDERED AS CONSTRUCTION CHANGE DOCUMENTS (CCDs) AND SHALL BE APPROVED PRIOR TO FABRICATION & INSTALLATION PER DSA IR 4-6 AND SECTION 338(C), PART 1, TITLE 24, C.C.R.

11 GENERAL NOTES

I find that: All drawings or sheets listed on the cover or index sheet this drawing or page

is/are in general conformance with the project design, and has/have been coordinated with the project plans and specifications.

Signature: *David Starck* Date: 02-23-2024

Architect or Engineer designated to be in general responsible charge

Print Name: David Starck License Number: C22903 Expiration Date: 02-31-25

12 USE OF CONST. DOCUMENTS PREPARED BY OTHER PROFESSIONALS

SYLVAN UNION SCHOOL DISTRICT

(2) NEW PORTABLE CLASSROOMS

CROSSROADS ELEMENTARY SCHOOL

5800 SAXON WAY, RIVERBANK, CA 95367

PROJECT TITLE

PARTIAL LIST OF APPLICABLE CODES:

- 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
- 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2021 INTERNATIONAL BUILDING CODE AND 2022 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (2021 UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2021 UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
- 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2021 INTERNATIONAL FIRE CODE 2022 CALIFORNIA AMENDMENTS)
- 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, (CAL GREEN) PART 11, TITLE 24 C.C.R.
- 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. TITLE 19 C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
- AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (ADAAG)

ADDITIONAL APPLICABLE STANDARDS:

NFPA 13 AUTOMATIC SPRINKLER SYSTEMS
 NFPA 14 STANDPIPE SYSTEMS (CA AMENDED)
 NFPA 17 DRY CHEMICAL SYSTEMS
 NFPA 17A WET CHEMICAL SYSTEMS
 NFPA 20 STATIONARY PUMPS
 NFPA 24 PRIVATE FIRE MAINS (CA AMENDED)
 NFPA 72 NATIONAL FIRE ALARM CODE (CA AMENDED)
 NFPA 80 FIRE DOOR AND OTHER OPENING PROTECTIVES
 NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS

REFERENCE CODE SECTION FOR NFPA STANDARDS - 2022 CBC (6FM) CHAPTER 35 SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

CONTRACTOR SHALL COMPLY WITH CFC CHAPTER 33 - FIRE SAFETY DURING DEMOLITION & CONSTRUCTION.

5 GOVERNING CODES

THIS PROJECT WILL REQUIRE DSA CLASS 3 PROJECT INSPECTOR.

INSPECTOR SHALL BE EMPLOYED BY OWNER AND APPROVED BY ARCHITECT, STRUCTURAL ENGINEER AND DSA

6 PROJECT INSPECTOR

OWNER	SYLVAN UNION SCHOOL DISTRICT 6025 SYLVAN AVE. MODESTO, CA, 95350 TEL. (209) 574-5000 ATTN: LIZETT AGUILAR
PROJECT	(2) NEW PORTABLE CLASSROOM BUILDINGS CROSSROADS ELEMENTARY SCHOOL 5800 SAXON WAY RIVERBANK, CA 95367 TEL. (209) 869-2100
AGENCIES	STATE OF CALIFORNIA DEPARTMENT OF GENERAL SERVICES DIVISION OF THE STATE ARCHITECT 1102 Q ST. SUITE 5200 SACRAMENTO, CA 95814 TEL. (916) 445-8730 FAX (916) 323-5589
ARCHITECT	SKW & ASSOCIATES ENGINEERING • ARCHITECTURE • SURVEYING 2237 SCENIC DRIVE MODESTO, CA, 95355 TEL. (209) 523-8323 FAX (209) 529-1804
ELECTRICAL	PEZZONI ENGINEERING, INC. CONSULTING ELECTRICAL ENGINEERS 1150 9th STREET #415 MODESTO, CA, 95354 TEL. (209) 544-4602
MODULAR BUILDING COMPANY	SILVER CREEK MODULAR 2850 BARRET AVE PERRIS, CA 92571 TEL. (951) 943-5393 FAX (951) 943-2211 ATTN: MICHAEL RODRIGUES

3 PROJECT DESCRIPTION

NEW PORTABLES:

(2) 24x40 PORTABLE BUILDINGS
TYPE V-B CONSTRUCTION - E OCCUPANCY, (NON-SPRINKLED)
960 SQ. FT. EACH. (48 OCCUPANTS EACH).
168 SQ. FT. OVERHANGS (EACH)

(2) PORTABLES COMBINED = 1920 SQ. FT.
(2) OVERHANGS = 336 SQ. FT.
TOTAL = 2256 SQ. FT.

(COMBINED & SEPARATED BY MIN 20'-0" ON ALL SIDES)

AREA:

BASIC ALLOWABLE VB (N5), E OCC: 9,500 SF (TABLE 506.2)

TOTAL COMBINED AREA WITH OVERHANGS: 2,256 SQ. FT.

2,256 SQ. FT. < 9,500 SQ. FT. OK!

7 PROJECT DIRECTORY

T-1	COVER SHEET	SILVER CREEK DRAWINGS (FC 04-121999) (7) 24x40 CLASSROOM BUILDINGS
CIVIL:		
C10	DEMOLITION PLAN	A-0N COVER SHEET
C20	GRADING PLAN	A-10N FLOOR PLAN 24x40 PROJECT SPECIFIC
C21	ENLARGED GRADING PLAN	E-10N ELECTRICAL PLAN AND SCHEDULE 24x40 PROJECT SPECIFIC
C30	SECTION AND DETAILS	A-0 COVER SHEET
ARCHITECTURAL:		
A5-1	SITE PLAN	T 4 I FORMS
A5-2	ENLARGED SITE PLAN & DETAILS	A-0A T 4 I FORMS
		A-0B SYMBOL LEGEND, ABBREVIATIONS & ADA SIGNAGE
		A-0I SCHEDULES
A-1	FLOOR PLAN & EXTERIOR ELEVATIONS	A-0J TYPICAL KEY PLANS 24'-10" X 40'
A-2	ENLARGED RESTROOM PLANS	A-0K DESIGN ENERGY VALUES WOOD FLOOR WALL HVAC
AC9-1	ACCESSIBILITY REQUIREMENTS	A-054 PRF FORMS 24x40 - ZONE 14 WORST CASE
ELECTRICAL:		
E01	ELECTRICAL COVER SHEET	A-06A CERTIFICATE OF COMPLIANCE FORMS
E02	FIRE ALARM DETAILS	A-06B CERTIFICATE OF COMPLIANCE FORMS
E03	FIRE ALARM SYSTEMS AND SCHEDULES	A-06C CERTIFICATE OF COMPLIANCE FORMS
E10	OVERALL SITE PLAN - ELECTRICAL	A-07 PV SYSTEM REQUIREMENTS, ENERGY MANDATORY MEASURES & CALGREEN SPECS
E21	PORTABLE FLOOR PLAN - FIRE ALARM	A-100 FLOOR PLAN 24x40
E22	PORTABLE FLOOR PLAN - POWER AND SIGNAL	A-201 REFLECTED CEILING PLAN 24x40
E31	ELECTRICAL DETAILS	A-220 CEILING DETAILS T-GRID
		A-301 ROOF PLAN 24x40 - METAL DECK
		A-350 ROOF DETAILS STANDING SEAM ROOF DECK
		A-401 EXTERIOR ELEVATION 24x40 MONO/ DUAL SLOPE
		A-501 CROSS SECTION MONO SLOPE
		A-502 REFLECTED CEILING PLAN 24x40
		A-505 ARCHITECTURAL DETAILS WOOD STUD. SHG
		A-510 ARCHITECTURAL DETAILS FLOOR
		A-580 ARCHITECTURAL DETAILS MISCELLANEOUS/ OPTIONS
		A-591 ARCHITECTURAL DETAILS MISCELLANEOUS/ OPTIONS
		A-601 INTERIOR ELEVATIONS 24x40
		F-020 WOOD FOUNDATION PLAN 24x40 (90/15 PSF)
		F-050 FOUNDATION DETAILS WOOD
		S-01 STRUCTURAL SPECIFICATIONS
		S-101 FLOOR FRAMING PLAN WOOD FLOOR
		S-150 FLOOR FRAMING DETAILS WOOD FLOOR
		S-201 ROOF FRAMING PLAN MONO SLOPE
		S-250 ROOF FRAMING DETAILS MONO SLOPE
		S-260 ROOF FRAMING DETAILS
		S-290 ROOF FRAMING DETAILS TRUSS
		S-300 BUILDING SECTIONS MONO SLOPE
		S-500 WALL FRAMING ELEVATIONS WOOD STUDS
		S-510 WALL FRAMING DETAILS WOOD STUDS
		P-101 PLUMBING DETAILS AND SCHEDULE
		M-01 MECHANICAL NOTES, SCHEDULES, & DETAILS
		M-101 MECHANICAL PLAN WALL MOUNT 24x40
		E101 ELECTRICAL PLAN AND SCHEDULE 24x40
		R-101 RAMP LANDING
		R-201 RAMP DETAILS

(64) SHEETS TOTAL.

1 SHEET INDEX

SEISMIC: (EQUIVALENT LATERAL FORCE PROCEDURE)

I = 10 (OCCUPANCY CATEGORY II)

S₁ = 0.611 S_{0.1} = 0.251
 S_{0.5} = 0.534 S_{0.1} = N/A

SITE CLASS: D SEISMIC DESIGN CATEGORY: D

WIND: (METHOD I)

I = 10 (OCCUPANCY CATEGORY II) EXPOSURE: C

BASIC WIND SPEED: 94 MPH (NOMINAL WIND SPEED)

FLOOD ZONE: X (AREAS OF MINIMAL FLOOD HAZARD) (06099C0330E, 9/26/2008)

2 DESIGN CRITERIA

- CONSTRUCTION OF (2) 24x40 PORTABLE CLASSROOM BUILDINGS. (FC 04-121999)
- NEW FIRE ALARM IN PORTABLES, CONCRETE FLATWORK, AND RELATED SITE IMPROVEMENTS.
- NEW ELECTRICAL INFRASTRUCTURE TO CONNECT NEW PORTABLES.

3 PROJECT DESCRIPTION

NEW PORTABLES:

(2) 24x40 PORTABLE BUILDINGS
TYPE V-B CONSTRUCTION - E OCCUPANCY, (NON-SPRINKLED)
960 SQ. FT. EACH. (48 OCCUPANTS EACH).
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4 BUILDING ANALYSIS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122154 INC:
REVIEWED FOR:
SS FLS ACS
DATE: 3/5/2024

skw & associates
architecture • engineering • surveying
2237 scenic drive, modesto, ca 95355 p. 209-529-7804

DAVID J. STARCK
architect
c 22903

ALLAN V. STEVENSON
civil engineer
roc 6758

LICENSED ARCHITECT
DAVID J. STARCK
c 22903
KEN 12-6-23
STATE OF CALIFORNIA

PROJECT TITLE:
SYLVAN UNION SCHOOL DISTRICT
CROSSROADS ELEMENTARY SCHOOL
(2) NEW PORTABLE CLASSROOMS
5800 Saxon Way
RIVERBANK, CA 95367

COVER SHEET

REVISIONS:

BY: Z.D.
LIST: SYLVAN
DATE: 2-27-2024
JOB: 25M042

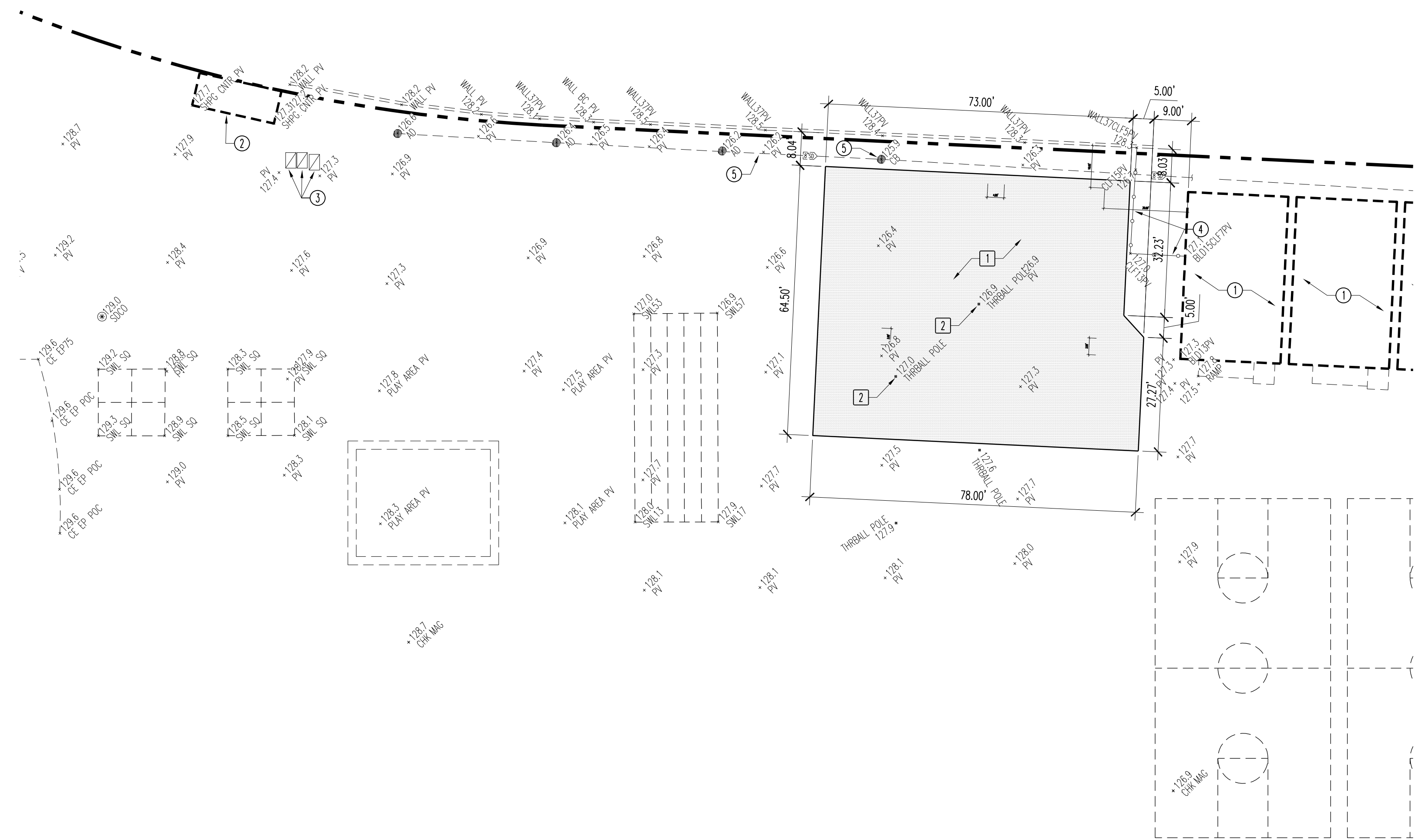
SHEET: T-1

DESCRIPTION	PROPOSED	EXISTING
SANITARY SEWER	6"SS	6"SS
STORM SEWER	12"SD	12"SD
GAS LINE	2"CG	2"CG
WATER LINE	8"W	8"W
UNDERGROUND ELECTRICAL	UGE	UGE
OVERHEAD UTILITIES	O/H	O/H
ELECTRICAL CONDUIT	E	E
IRRIGATION LINE	12"IR	12"IR
GAS VALVE	GV	GV
WATER VALVE	WV	WV
GRADES/ELEVATIONS	147.00 FG	x147.00
PAD ELEVATION	148.4	
SLOPE/FLOW DIRECTION	SLOPE	SLOPE
CONTOUR LINE		1.48
CENTERLINE		
MANHOLE	●	○
CATCH BASIN	■	□
GAS METER	□	□
WATER METER	□	□
CURB AND GUTTER	▭	▭
SIDEWALK	▭	▭
DRIVEWAY	▭	▭
FIRE HYDRANT	●	●
SIGN	●	●
SANITARY SEWER CLEAN OUT	⊗	⊗
UTILITY POLE	●	●
FENCE	▭	▭
WHEELCHAIR RAMP	▭	▭
ELECTROUTER	●	●

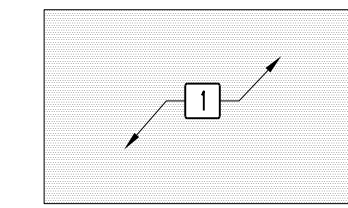
SYMBOLS LEGEND

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
AB	AGGREGATE BASE	LF	LINEAR FEET
AC	ASPHALT CEMENT	LP	LOW POINT
BC	BEGIN CURVE	MATCH	MATCH EXISTING CONDITIONS
BFP	BACKFLOW PREVENTION ASSEMBLY	MAX	MAXIMUM
BOW, BSW, BW	BACK OF SIDEWALK	MH	MANHOLE
BLDG	BUILDING	MIN	MINIMUM
C	CONCRETE	N	NORTH, NEW
CAP	CONCRETE ANGLE POINT	NTS	NOT TO SCALE
CE	CONCRETE EDGE	O/H	OVER-HEAD UTILITIES
CB	CATCH BASIN	P	PAVEMENT
C&G	CURB AND GUTTER	PL	PROPERTY LINE
CIP	CAST IRON PIPE, CAST IN PLACE	PT	POINT, POINT OF TANGENT
CL	CENTERLINE	PNT	POINT
CLF	CHAINLINK FENCE	PVC	POLYVINYL CHLORIDE
CO	CLEAN OUT	RCP	REINFORCED CONCRETE PIPE
CONC	CONCRETE	R	RADIUS, RADIAL BEARING
DEMO	DEMOLISH	REQD	REQUIRED
DET	DETAIL	S	SOUTH, SLOPE
DI	DROP INLET	SD	STORM DRAIN
DIA	DIAMETER	SDMH	STORM DRAIN MANHOLE
DIP	DUCTILE IRON PIPE	SS	SANITARY SEWER
E	EAST, EXISTING	SSMH	SANITARY SEWER MANHOLE
EC	END CURVE	STD	STANDARD
ELEC	ELECTRICAL	SW	SOUTHWEST, SIDEWALK
ELEV	ELEVATION	TBC	TOP BACK OF CURB
EP	EDGE OF PAVEMENT	TC	TOP OF CURB
EX	EXISTING	TEMP	TEMPORARY
FE	FENCE	TFOC	TOP FACE OF CURB
FF	FINISH FLOOR	THRU	THROUGH
FH	FIRE HYDRANT	VERT	VERTICAL
FL	FLOWLINE	W	WEST, WATER
FW	FACE OF WALK, FRONT OF WALK	WV	WATER VALVE
GB	GRADE BREAK		
GS	GROUND SHOT		
GV	GAS VALVE, GATE VALVE		
INV	INVERT		
IRR	IRRIGATION		

LIST OF ABBREVIATIONS



LEGEND:

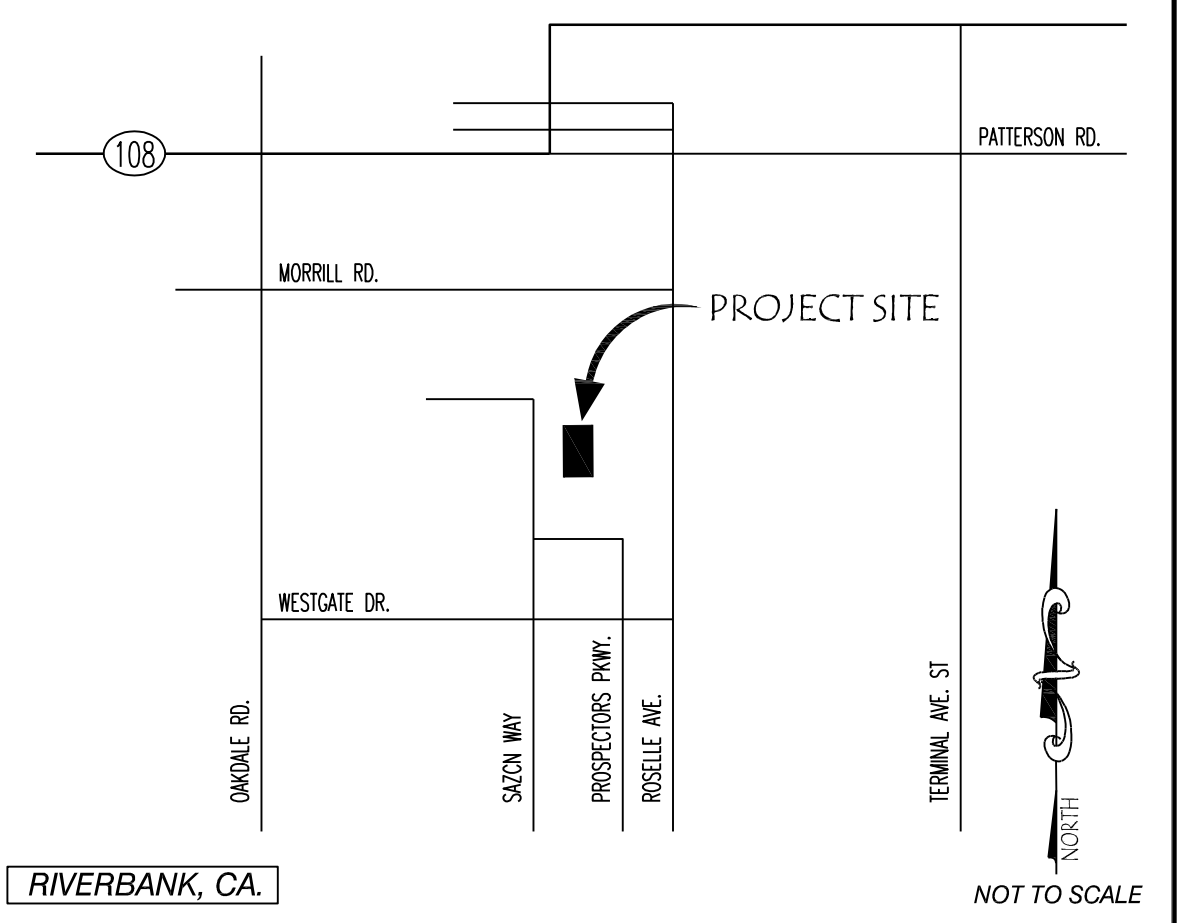


KEY NOTES:

- ① EX. BUILDING TO REMAIN
- ② EX. CONTAINER TO REMAIN
- ③ EX. UTILITY BOX TO REMAIN
- ④ EX. FENCE TO REMAIN
- ⑤ EX. CB & SD LINE TO REMAIN

DEMO NOTES:

- 1 SAWCUT/DEMO/REMOVE EX. AC PAVEMENT
- 2 DEMO/REMOVE EX. TETHERBALL POLE



VICINITY MAP

SHEET NO.	SHEET TITLE
C1.0	DEMOLITION PLAN
C2.0	GRADING PLAN
C2.1	ENLARGED GRADING PLAN
C3.0	TYPICAL DETAILS

SHEET INDEX

811
Know what's below.
Call before you dig.

SCALE: 1" = 20'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122154 INC:
REVIEWED FOR
SS FLS ACS
DATE: 3/5/2024

skw associates
architecture • engineering • surveying
2237 scenic drive, modesto, ca 95355 p: 209-525-6823 f: 209-529-7804

• david j. stack
architect
c-22005

• allan v. stevenson
civil engineer
nc 61758



PROJECT TITLE:
SYLVAN UNION SCHOOL DISTRICT
**CROSSROADS ELEMENTARY SCHOOL
(2) NEW PORTABLE CLASSROOMS**
5800 Saxon Way
RIVERBANK, CA 95367

DEMOLITION PLAN

REVISIONS:

BY : A.S.R.H.
LIST : SYLVAN
DATE : 02-27-2024
JOB : 28M042

SHEET : **C1.0**

CONCRETE NOTES:

- STRUCTURAL CONCRETE SHALL TEST NOT LESS THAN 3000 PSI IN 28 DAYS.
- CEMENT SHALL CONFORM TO A.S.T.M. C-150 TYPE 1.
- CONCRETE AGGREGATES SHALL CONFORM TO A.S.T.M. C-33.
- REINFORCING SHALL CONFORM TO A.S.T.M. A-615 GRADE 40, TYP. #6 OR GREATER, GRADE 60.
- REINFORCING STEEL SHALL BE FABRICATED ACCORDING TO "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION."
- WIRE FABRIC SHALL NOT BE USED.
- DIMENSIONS SHOWN FOR LOCATION OF REINFORCING ARE TO THE FACE OF MAIN BARS AND DENOTE CLEAR COVERAGE. CONCRETE COVERAGE SHALL BE AS FOLLOWS:

CONCRETE DEPOSITED DIRECTLY AGAINST GROUND (EXCEPT SLAB)	3"
CONCRETE EXPOSED TO GROUND BUT PLACED IN FORMS	2"
TIED COLUMNS (MAIN BARS)	2"
BEAMS (TOP BARS)	1.5"
BEAMS (ALL OTHER MAIN REINFORCING)	2"
PAN JOISTS	1"
SPIRAL COLUMNS (TO FACE OF SPIRAL REINFORCING)	1.5"
WALLS (EXTERIOR FACE)	2"
WALLS (INTERIOR FACE)	0.75"
SLABS (ON FORMS)	0.75"
SLABS (ON GROUND)	POSITION IN CENTER OF SLAB
- SPLICES IN CONTINUOUS REINFORCEMENTS SHALL BE 32 BAR DIAMETERS AND SPLICES IN ADJACENT BARS SHALL BE NOT LESS THAN 5'-0" APART. SPLICE CONTINUOUS BARS IN SPANDRELS, GRADE BEAMS, WALL BEAMS, ETC. AS FOLLOWS: TOP BARS AT CENTER SPAN - BOTTOM BARS AT CENTER SUPPORT.
- CONSTRUCTION JOINTS SHALL BE MADE ROUGH AFTER ALL LANTANCE HAS BEEN REMOVED FROM THE SURFACE. CONCRETE MAY BE ROUGHENED BY CHIPPING THE ENTIRE SURFACE, SAND BLASTING, OR HOWING THE SURFACE 4 TO 6 HOURS AFTER THE POUR WITH A FINE SPRAY. REMOVE ALL DEBRIS FROM THE FORMS BEFORE POURING ANY CONCRETE. DRILL THROUGH STEEL COLUMNS AND BEAMS TO PASS HORIZONTAL REINFORCING.
- REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE SHALL BE SECURELY POSITIONED BEFORE PLACING CONCRETE.
- MAXIMUM FREE FALL OF CONCRETE SHALL BE 6'-0".
- WALLS SHALL BE POURED IN HORIZONTAL LAYERS OF 2'-0" MAX. DEPTH.
- CONCRETE IN WALLS, PIERS OR COLUMNS SHALL BE SET AT LEAST 2 HOURS BEFORE PLACING CONCRETE IN BEAMS, SPANDRELS, OR SLABS SUPPORTED THEREON.
- HORIZONTAL WALL BARS IN DOUBLE LAYER WALLS SHALL BE STAGGERED.
- DOWEL ALL VERT. REBARS IN WALLS AND COLUMNS FROM FOUNDATION WITH SAME SIZE BAR.
- MINIMUM WALL REINFORCING SHALL BE:

WALL THICKNESS	SINGLE LAYER	DOUBLE LAYER
7" OR LESS	#4 AT 12" OC EA. WAY	#4 AT 10" OC EA. WAY
8"	#4 AT 18" OC EA. WAY	#4 AT 10" OC EA. WAY

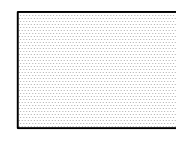
TRENCHING AND RESURFACING:

- ALL TRENCHES SHALL BE SHORED OR PROTECTED IN ACCORDANCE WITH OSHA AND OTHER STATE AND FEDERAL SAFETY CODES, REGULATIONS AND ORDINANCES.
- UNSTABLE MATERIAL SHALL BE EXCAVATED AND STABILIZED WITH #3 ROCK (PER ASTM 33 OR APPROVED EQUAL) OR WITH CEMENT SLURRY/CONCRETE AS APPROVED BY THE PROJECT ENGINEER.
 2.1. FOR EXISTING PAVED AREAS, BACKFILL MATERIAL SHALL BE AGGREGATE BASE (95% RELATIVE COMPACTION 2'-0" BELOW THE PAVEMENT SURFACE) AND NATIVE BACKFILL (90% RELATIVE COMPACTION FOR THE REMAINING DEPTH TO THE PIPE BEDDING).
 2.2. PLACEMENT OF AGGREGATE BASE SHALL BE IN 12" LIFTS EVENLY PLACED AND MECHANICALLY COMPACTED TO RELATIVE DENSITY AS SPECIFIED. COMPACTION TESTS SHALL BE REQUIRED AT THE DISCRETION OF THE PROJECT ENGINEER. ALL COSTS RELATED TO THESE TESTS SHALL BE BORNE BY THE OWNER/CONTRACTOR/UTILITY COMPANY WHEN SUCH TESTS ARE REQUIRED. IF RESULTS OF THESE TESTS DO NOT MEET SPECIFIED REQUIREMENTS, BACKFILL SHALL BE EXCAVATED, REPLACED, COMPACTED AND RETESTED. IN CASE OF ONE SACK SLURRY MIX OR CONTROLLED DENSITY FILL, NO COMPACTION TEST WILL BE REQUIRED.
- DROP HAMMER SHALL NOT BE USED TO CUT PAVEMENT.
- ALL TRENCHES SHALL BE BACKFILLED AND TEMPORARILY PAVED AT THE END OF EACH WORKING DAY. THE USE OF STEEL PLATES MUST BE APPROVED BY THE PROJECT ENGINEER AT LEAST 48 HOURS IN ADVANCE.
- INITIAL CUT IN STREET PAVEMENT SHALL BE EQUAL TO THE WIDTH OF THE TRENCH WITH THE OPTION OF BEING JACK HAMMERED OR SAW CUT.
- FINAL CUT IN STREET PAVEMENT SHALL BE 12" WIDER THAN THE TRENCH WIDTH AND SHALL BE MADE BY SAW CUTTING ONLY.
- TEMPORARY BITUMINOUS SURFACING (CUT BACK) SHALL BE PLACED AND COMPACTED IMMEDIATELY ABOVE THE TRENCH FOLLOWING COMPACTION. MINIMUM DEPTH OF CUT BACK SHALL BE 2" OR AS SPECIFIED BY THE PROJECT. CUT BACK SHALL BE MAINTAINED IN GOOD CONDITION UP TO THE TIME THE FINAL PAVING IS PLACED ON TRENCH IN ACCORDANCE WITH NOTE #8.
- FINAL PAVING ABOVE THE TRENCH SECTION SHALL BE PLACED WITHIN 14 DAYS OF ITS BACKFILL AND COMPACTION. EXTENSION MAY BE GRANTED BY THE OWNER DUE TO WEATHER CONDITIONS.
- TEMPORARY CUT BACK SHALL BE REMOVED BEFORE PLACEMENT OF FINAL PAVING. FINAL PAVING SHALL BE PLACED ON UNDISTURBED PREVIOUSLY INSPECTED AND COMPACTED AGGREGATE BASE OR ONE SACK SLURRY MIX/ CONTROLLED DENSITY FILL. RECOMPACTION AND INSPECTION SHALL BE REQUIRED FOR ANY DISTURBED BASE OR SURFACE PRIOR TO PLACEMENT OF FINAL PAVING.
- PROPER TRAFFIC CONTROLS AND COVERING OF TRENCHES SHALL BE MAINTAINED IN ACCORDANCE WITH THE CALTRANS STANDARD SPECIFICATIONS.
- ASPHALT CONCRETE SHALL BE IN ACCORDANCE WITH THE CALTRANS SPECIFICATIONS.
- ALL TRENCHES SHALL HAVE A COMPACTION TEST TO ENSURE PROPER COMPACTION, AS SPECIFIED BY THE GEOTECHNICAL ENGINEER.

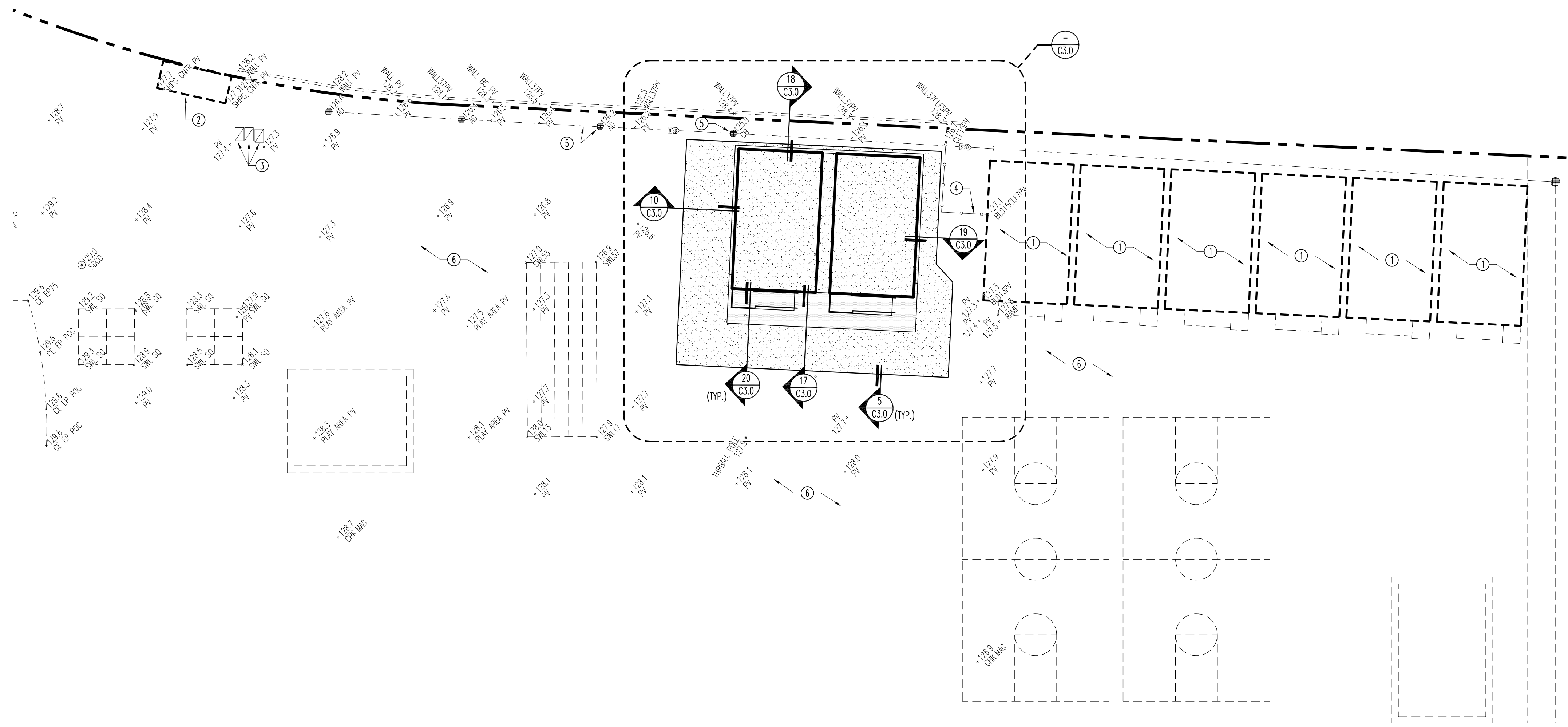
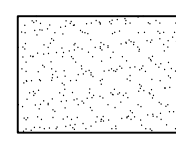
EXTERIOR FLATWORK:

- CONCRETE FLATWORK SHALL BE 4" CONCRETE O/V COMPACTED NATIVE, WITH #3 BARS AT 18" c., CENTERED IN THE SLAB
 PARKING AREA : 6" CONCRETE O/V 4" AB. O/V COMPACTED NATIVE, WITH #3 BARS AT 18" c., CENTERED IN THE SLAB
- INSTALL CONTINUOUS 1/2", FELT, EXPANSION JOINT WHERE NEW FLATWORK ABUTS EXISTING FLATWORK.
- CRACK CONTROL JOINTS:**
 FLATWORK: EVERY 6-FT, WITH A MAXIMUM CONTROLLED AREA OF 30 SQ-FT.
 CONCRETE PAVEMENT: EVERY 14-FT, WITH A MAXIMUM CONTROLLED AREA OF 200 SQ-FT.

CONCRETE FLAT WORK :



A.C. PAVEMENT :

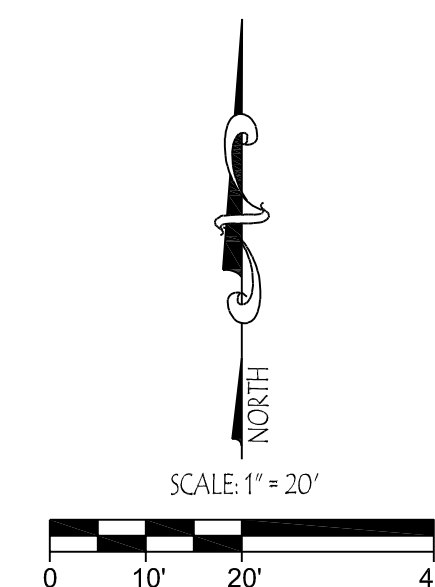


KEY NOTES:

- ① EX. BUILDING TO REMAIN
- ② EX. CONTAINER TO REMAIN
- ③ EX. UTILITY BOX TO REMAIN
- ④ EX. FENCE TO REMAIN
- ⑤ EX. CB & SD LINE TO REMAIN
- ⑥ EX. PAVEMENT TO REMAIN



Know what's below.
Call before you dig.



CONSTRUCTION NOTES

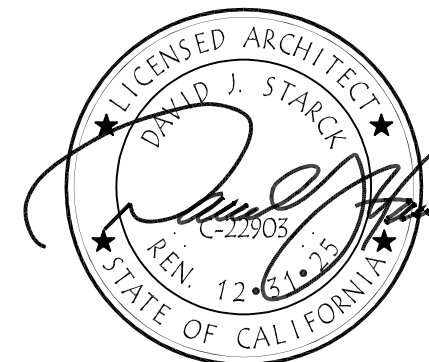
NOTE: THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AT THE JOB AND SHALL BE RESPONSIBLE FOR ALL DISCREPANCIES BETWEEN DIMENSIONS OF THE ACTUAL WORK AND THOSE SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL DIMENSIONS OF MATERIALS AND FOR THE PROVISIONS OF THE PROJECT MANUAL. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL DIMENSIONS OF MATERIALS AND FOR THE PROVISIONS OF THE PROJECT MANUAL.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122154 INC.
REVIEWED FOR
SS FLS ACS
DATE: 3/5/2024

skw associates
architecture • engineering • surveying
2237 scenic drive, modelito ca 95555 p. 209-525-6823 f. 209-529-7804

• david j. stack
architect
c.22005

• allan v. stevenson
civil engineer
rec 61759



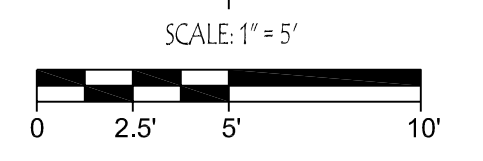
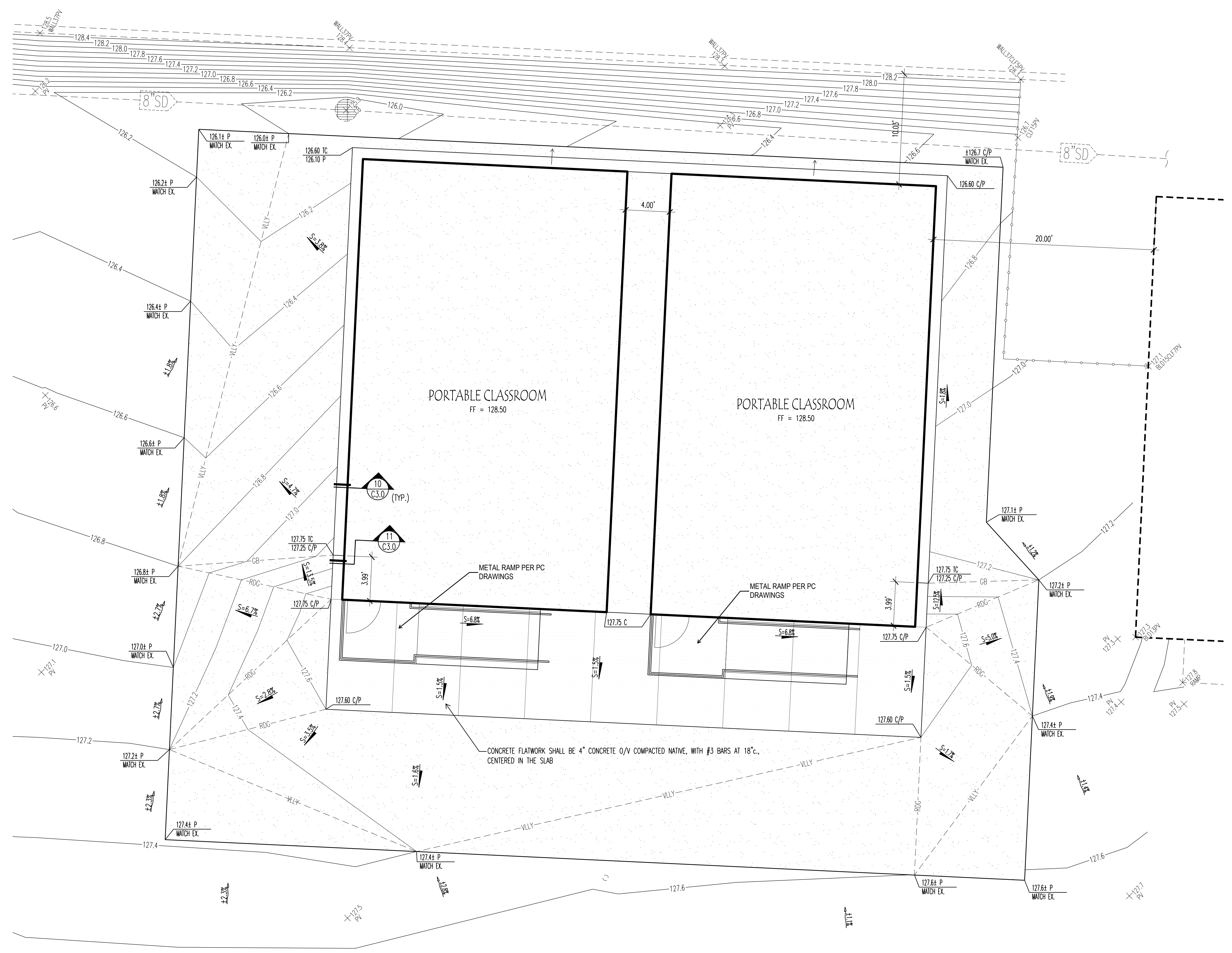
PROJECT TITLE :
SYLVAN UNION SCHOOL DISTRICT
**CROSSROADS ELEMENTARY SCHOOL
(2) NEW PORTABLE CLASSROOMS**
5800 Saxon Way
RIVERBANK, CA 95567

GRADING PLAN

REVISIONS :

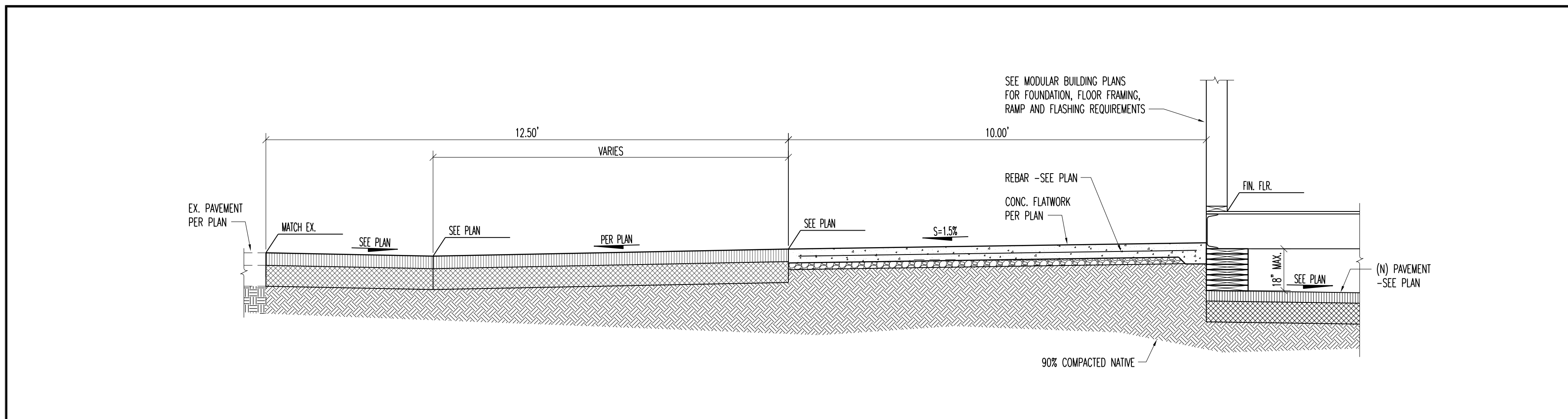
BY : A.S.R.H.
LIST : SYLVAN
DATE : 02-27-2024
JOB : 28M042

SHEET : **C2.0**

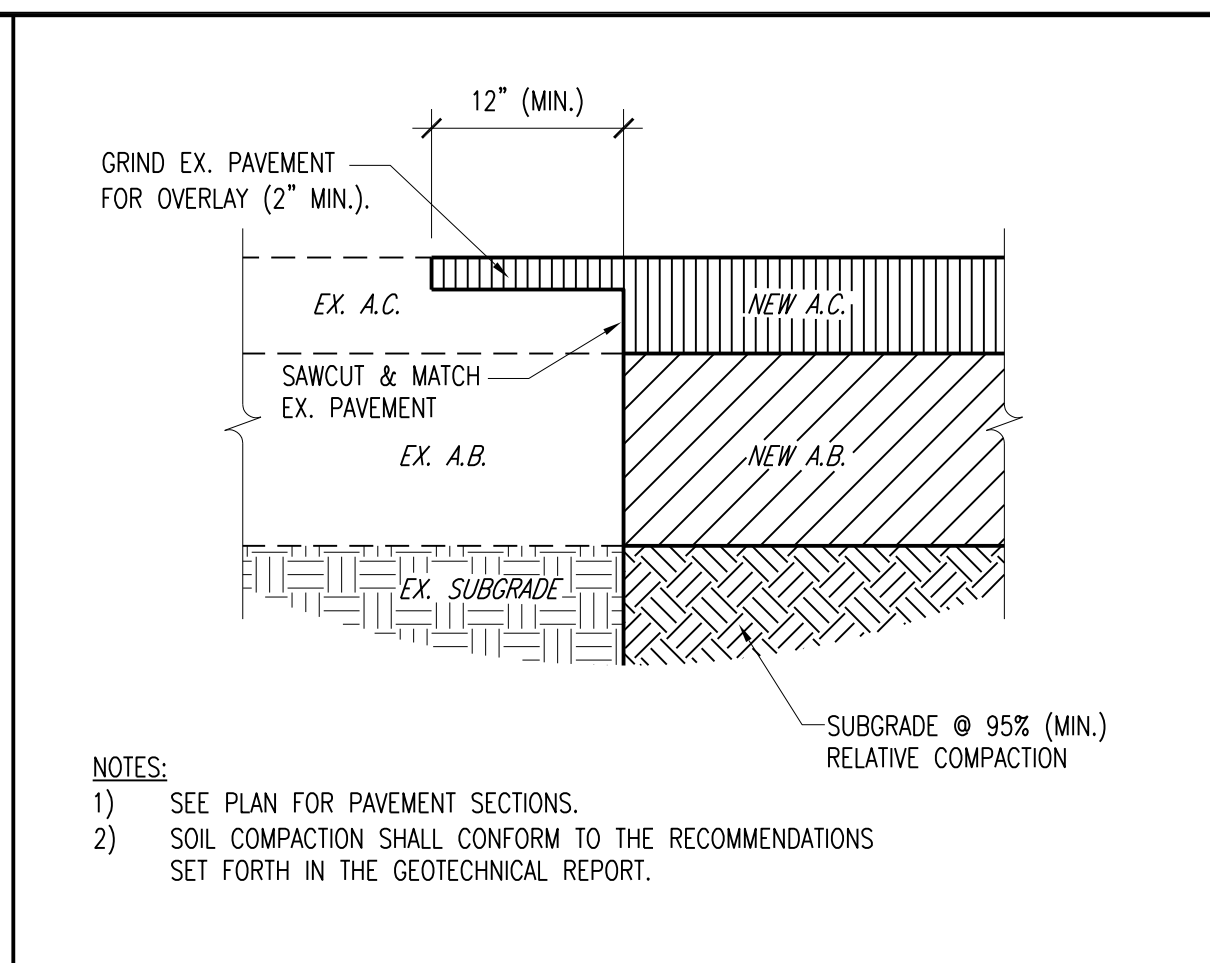


NOTE: THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AT THE JOB AND SHALL BE RESPONSIBLE FOR ALL DISCREPANCIES BETWEEN DIMENSIONS OF THE ACTUAL WORK AND THOSE SHOWN IN THE DOCUMENTS. AN ARCHITECT, ENGINEER OR PROFESSIONAL LANDSCAPE ARCHITECT SHALL ALSO BE SOLELY RESPONSIBLE FOR ALL QUANTITIES OF MATERIAL OR EQUIPMENT CALLED FOR TO PROPERLY COMPLETE THE WORK.

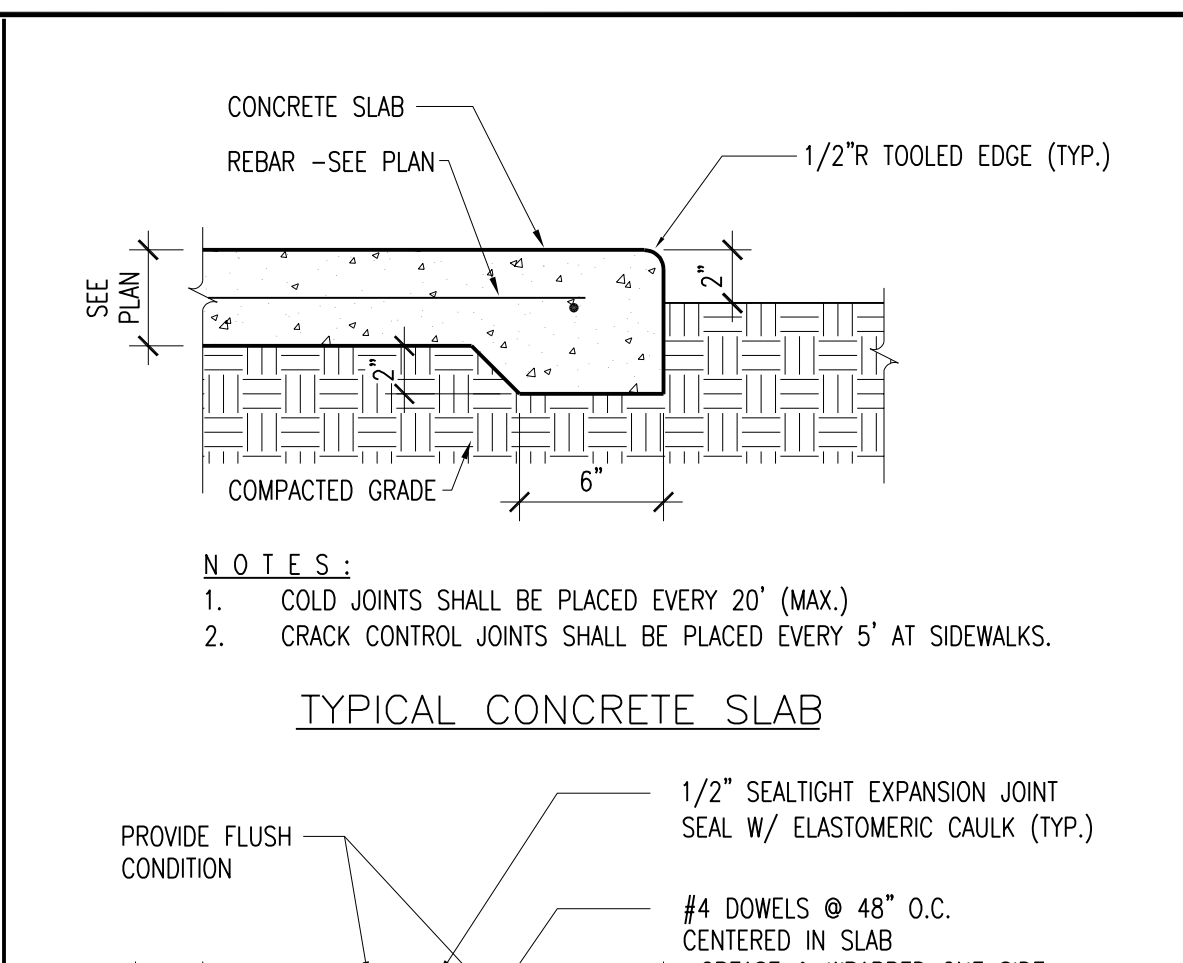
NOTE: THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AT THE JOB AND SHALL BE RESPONSIBLE FOR ALL DISCREPANCIES BETWEEN DIMENSIONS OF THE ACTUAL WORK AND THOSE SHOWN IN THE DOCUMENTS OR INDICATED BY DIMENSION LINES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL DIMENSIONS OF MATERIAL OR EQUIPMENT CALLED FOR TO PROPERLY COMPLETE THE WORK.



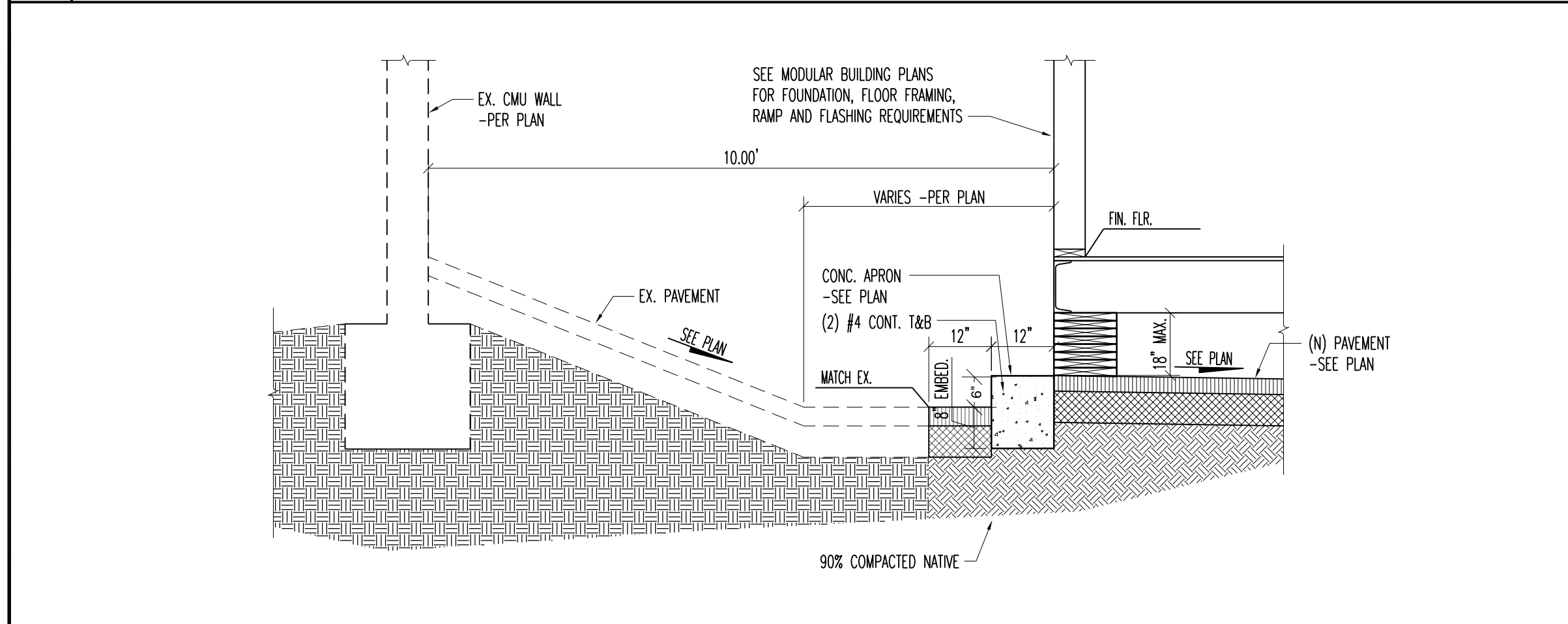
17 SECTION @ FRONT OF BUILDING



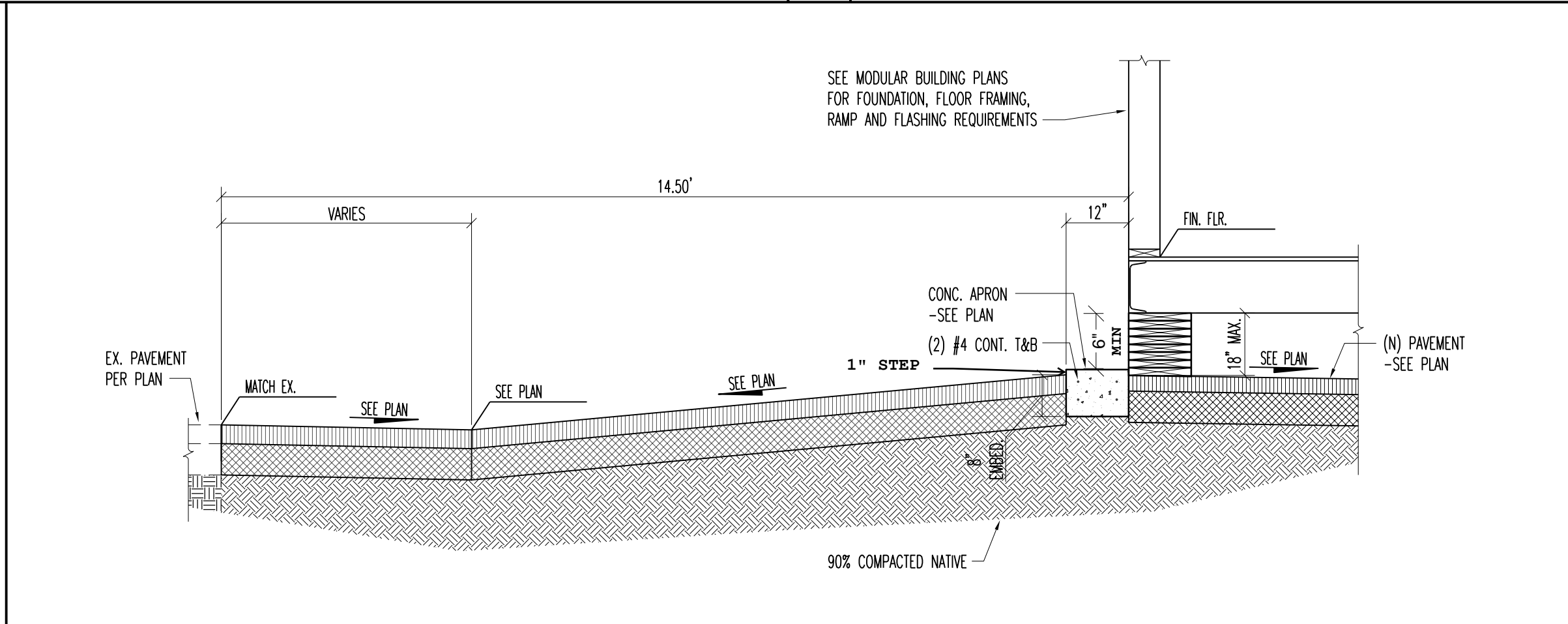
5 PAVEMENT LAP JOINT



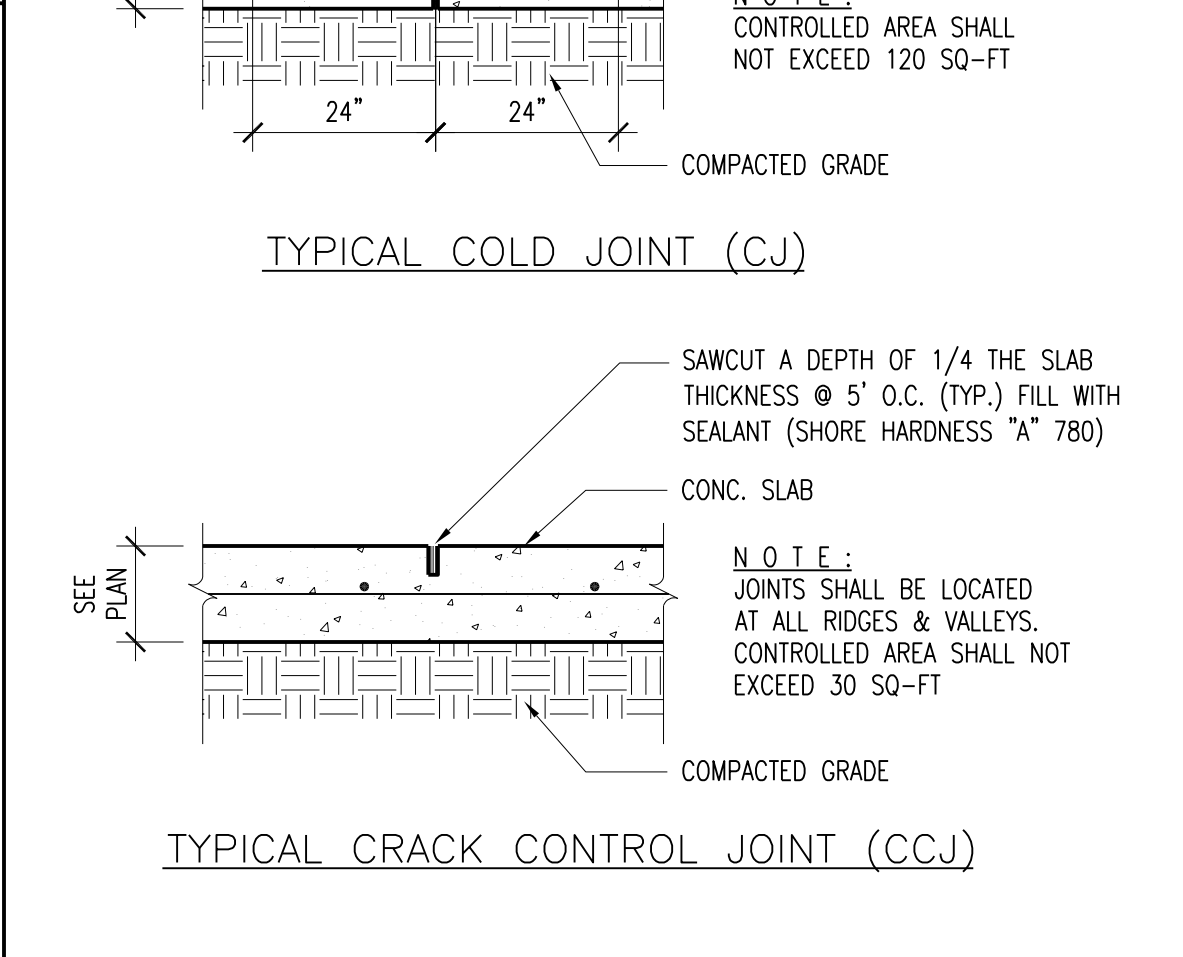
TYPICAL CONCRETE SLAB



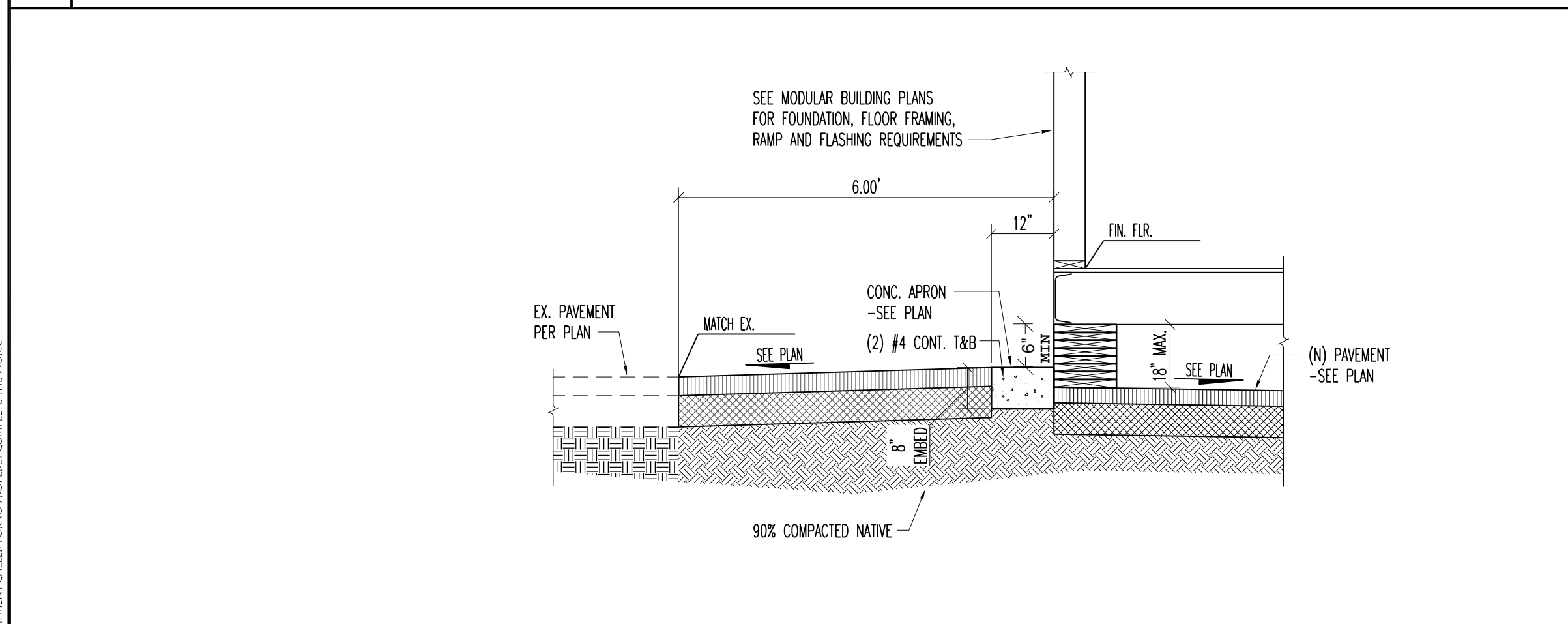
18 SECTION @ REAR OF BUILDING



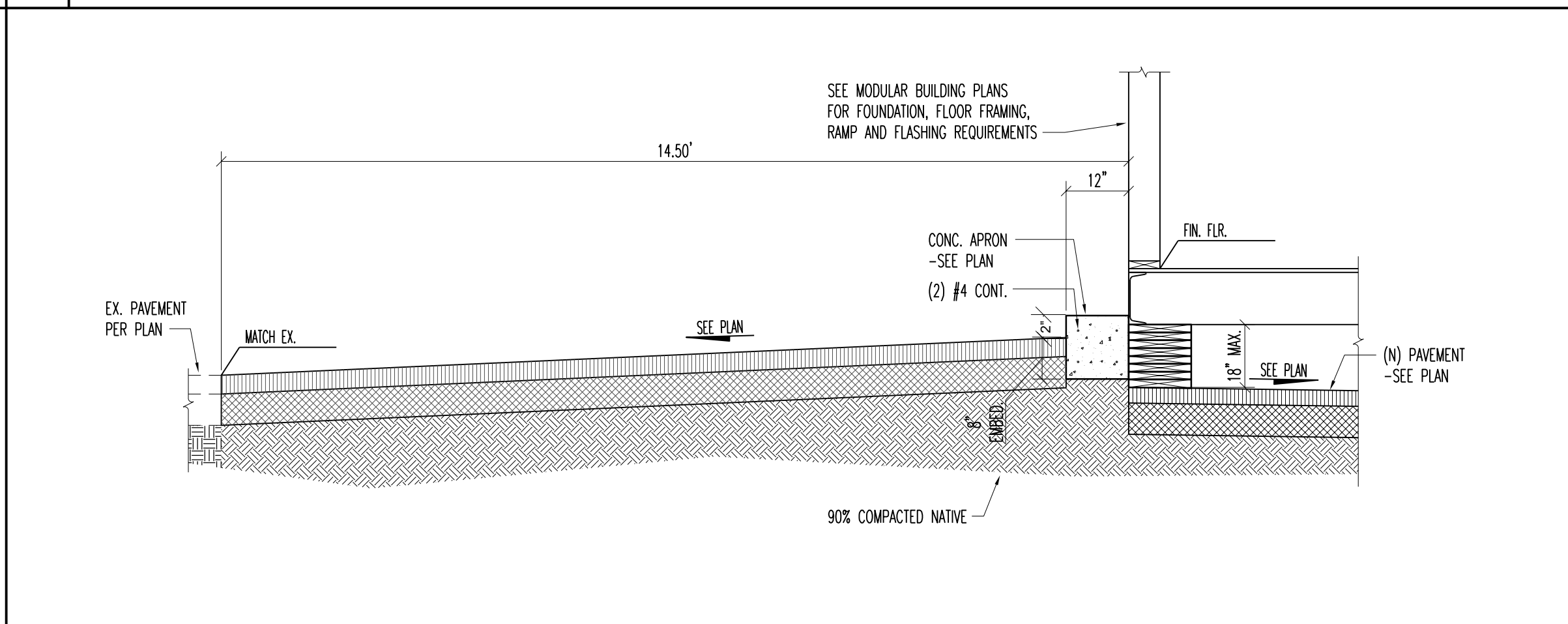
10 SECTION @ SIDE OF BUILDING



2 TYP. FLAT WORK DET.

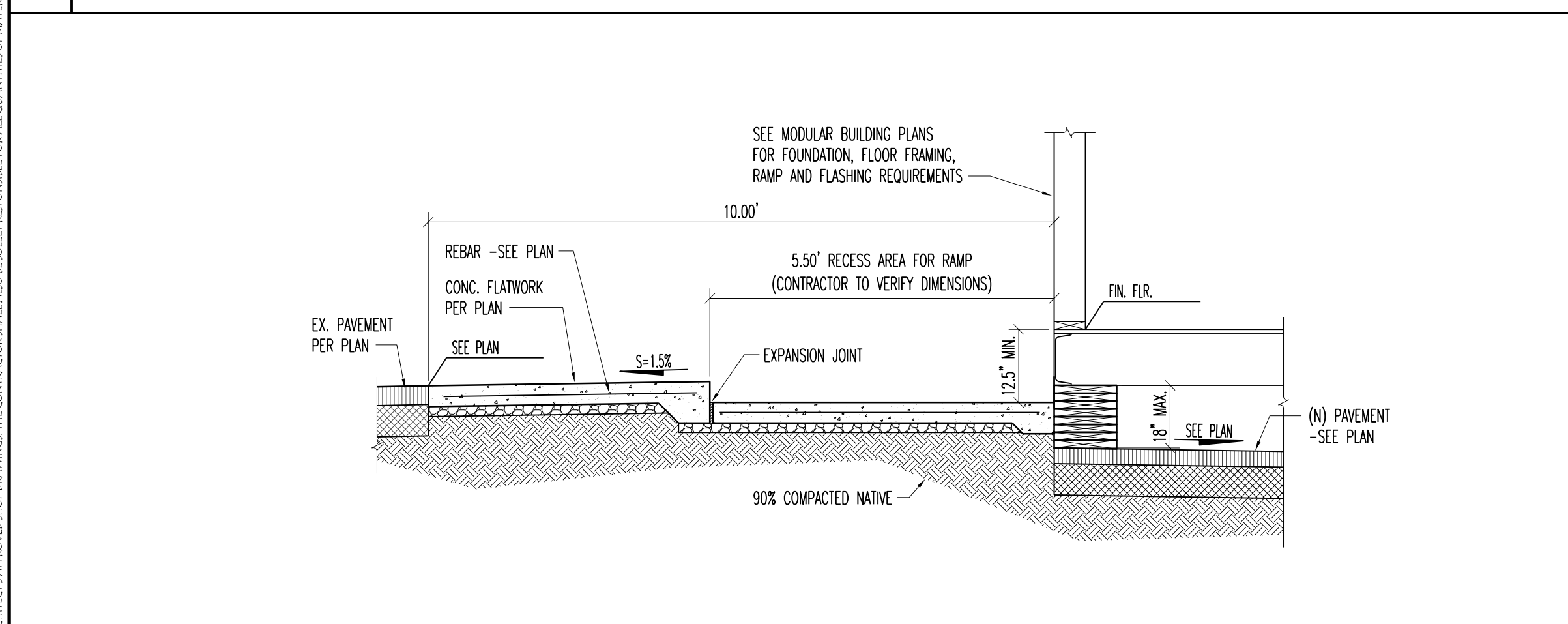


19 SECTION @ SIDE OF BUILDING

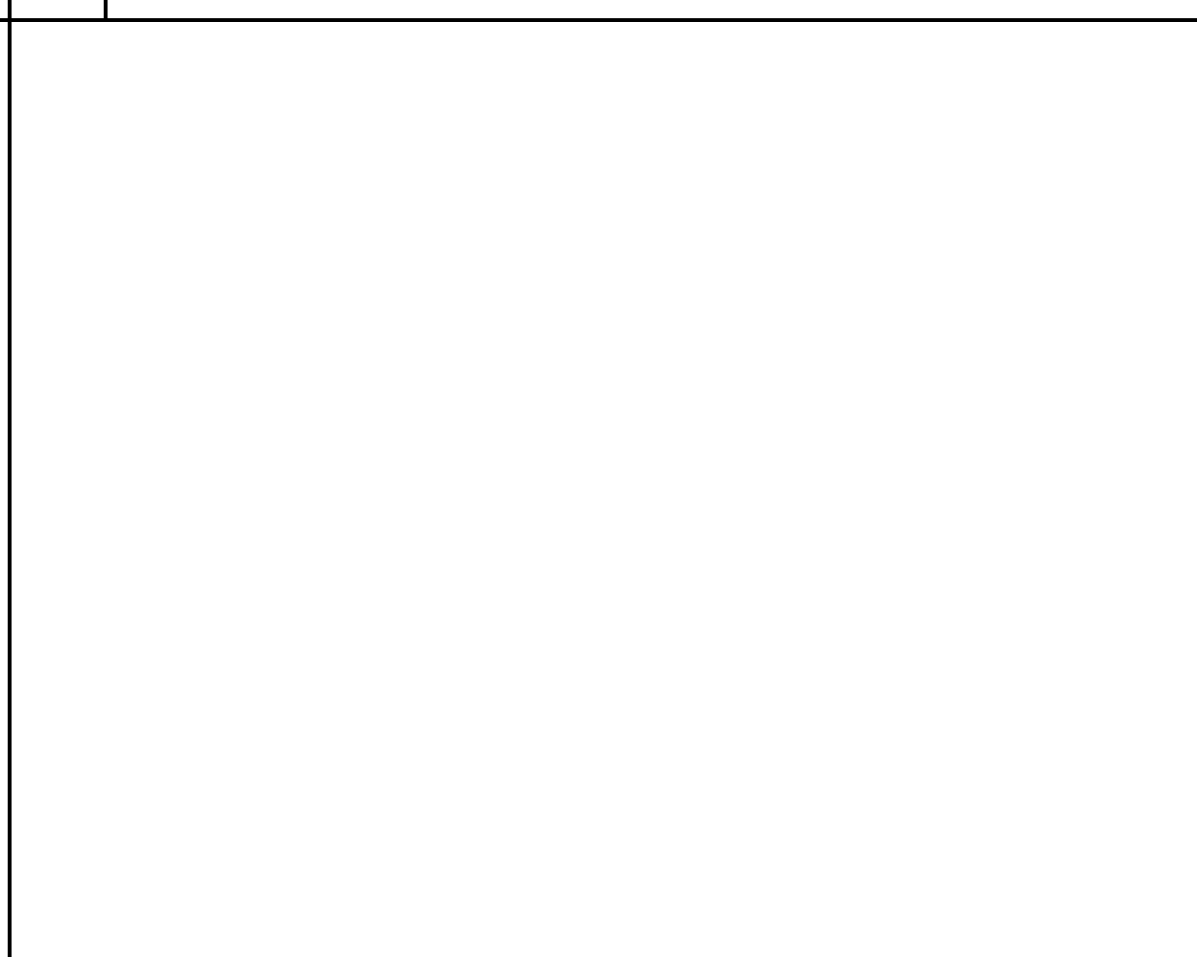


11 SECTION @ SIDE OF BUILDING

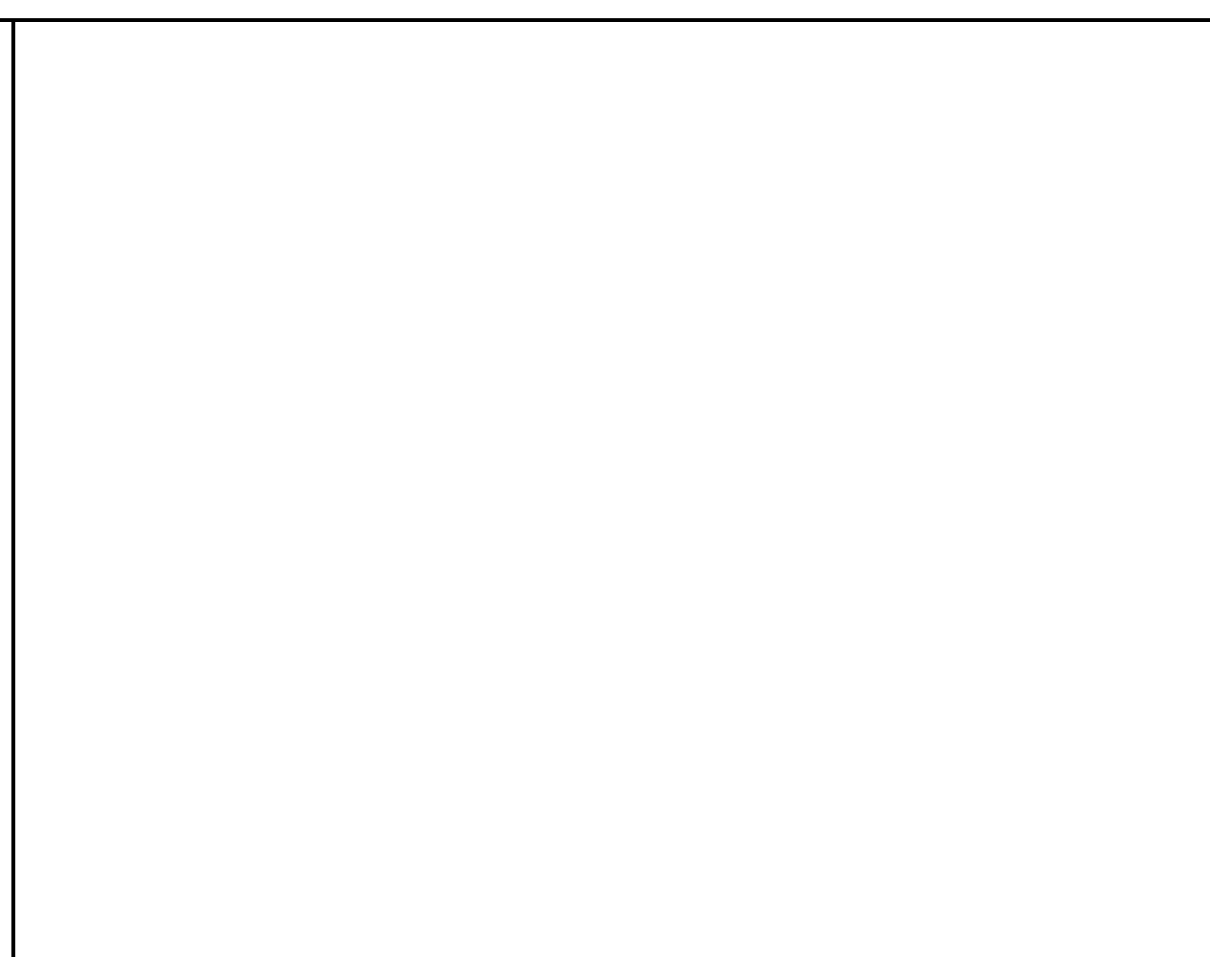
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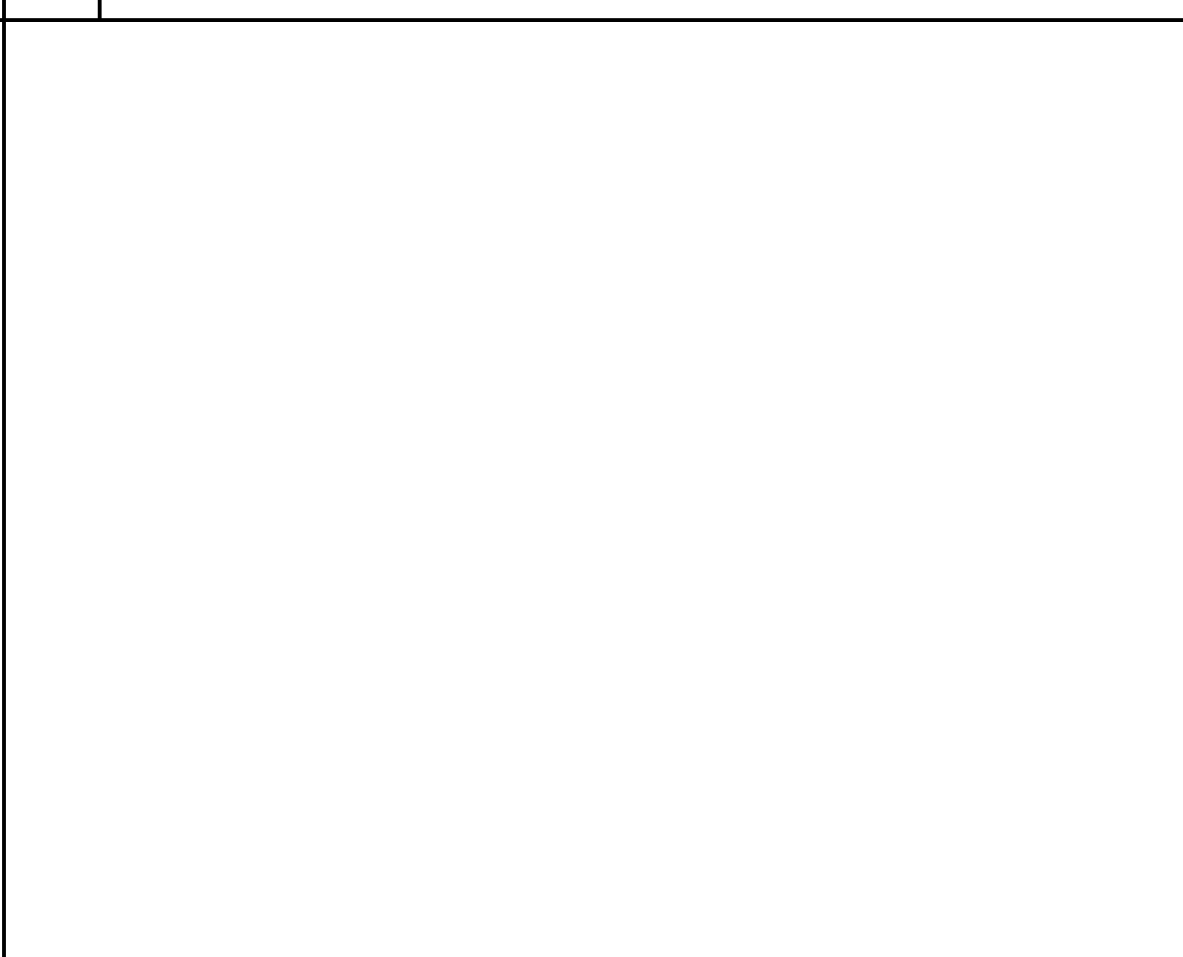
20 SECTION @ RAMP AREA



12



8



4

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122154 INC:
REVIEWED FOR
SS FLS ACS
DATE: 3/5/2024

skw & associates
architecture • engineering • surveying
2257 scenic drive, modesto, ca 95355 p: 209-529-7804 f: 209-529-7804

• david j. starck
architect
c22908
• allan v. stevenson
civil engineer
noe 61758



PROJECT TITLE:
SYLVAN UNION SCHOOL DISTRICT
CROSSROADS ELEMENTARY SCHOOL
(2) NEW PORTABLE CLASSROOMS
5800 Sakon Way
RIVERBANK, CA 95367

SECTIONS & DETAILS

REVISIONS:

BY : AS.R.H.
LIST : SYLVAN
DATE : 02-27-2024
JOB : 25M042

SHEET : C3.0

ACCESSIBILITY NOTES:

- ACCESSIBLE PATH (.....) (A.P.) SHALL CONFORM TO THE FOLLOWING:
 - 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.
 - CROSS-SLOPE DOES NOT EXCEED 2%.
 - SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED AS A RAMP.
 - MINIMUM 10' FC ALONG PATH FROM BUILDING TO PUBLIC WAY.
- WALKS, SIDEWALKS AND PEDESTRIAN WAYS SHALL BE FREE OF GRATINGS WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2" MAXIMUM IN THE DIRECTION OF TRAFFIC FLOW IN ALL DIRECTIONS IN PLAZAS AND LARGE OPEN AREAS.
- GATES IN PATH OF TRAVEL MUST COMPLY WITH EXIT DOOR REQUIREMENTS PER CBC SECTION 10B-404.2.4 + 10B-404.2.4.1. SPECIFY HARDWARE, KICK PLATES, 5 LBS PRESSURE TO OPERATE, STRIKE SIDE CLEARANCE, AND PANIC HARDWARE.
- SEE SHEET AS-4, ACS-1 + ACS-2 FOR ADDITIONAL ACCESSIBLE REQUIREMENTS.
- PROVIDE ACCESSIBILITY SIGNAGE (18A) AT THE PRIMARY PUBLIC ENTRANCE AND SITE DIRECTIONAL SIGNAGE AT MAJOR JUNCTIONS CLARIFYING ACCESSIBLE AND NON-ACCESSIBLE ROUTES.
- CONTRACTOR SHALL VERIFY ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVE.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

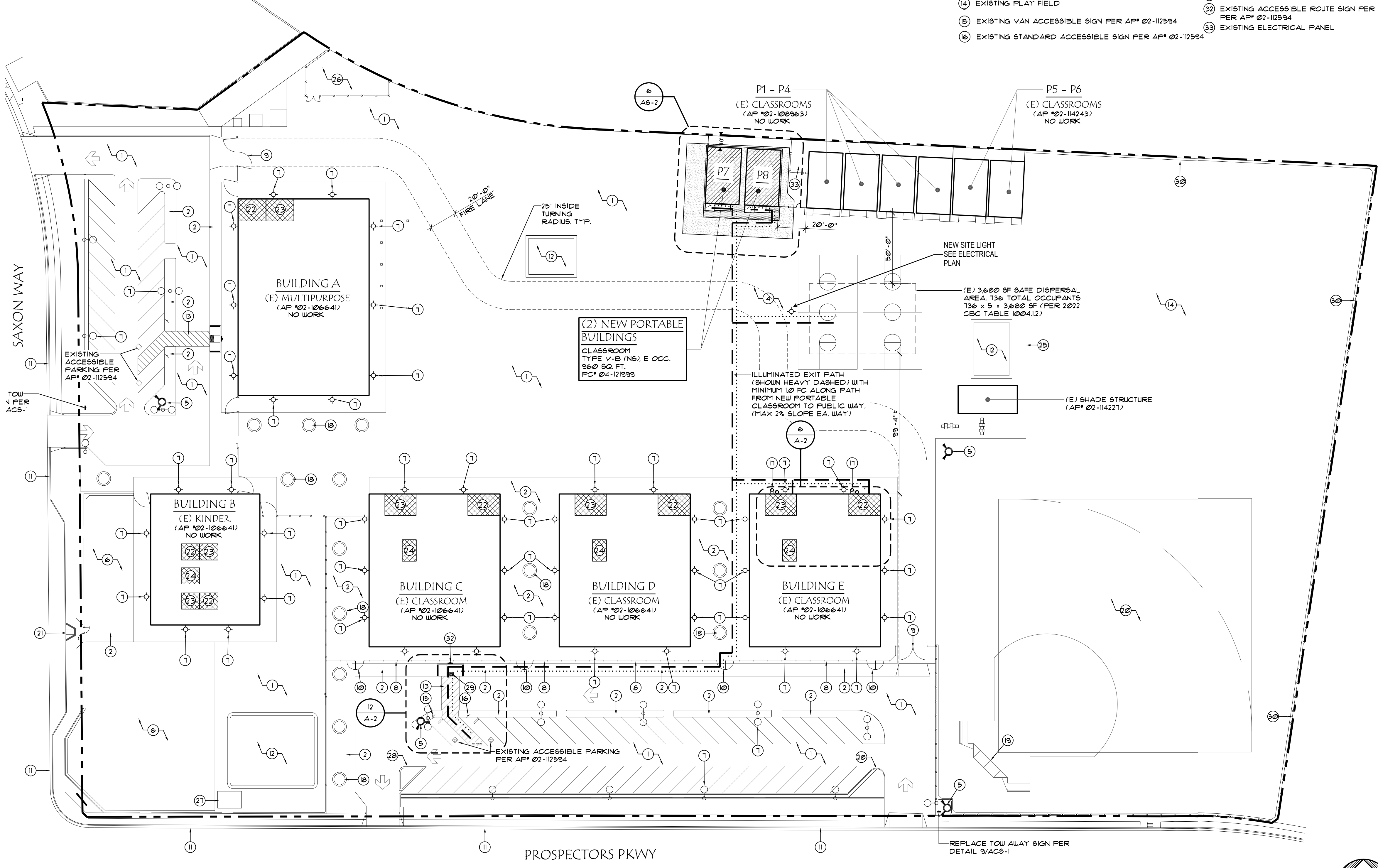
THE PATH OF TRAVEL (POT) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESS. PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITION AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NON-COMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF WORK OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NON-COMPLIANT 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 SO INDICATED IN THESE CONSTRUCTION DOCUMENT.

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-COMPLYING BEYOND REASONABLE CONST. TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

EXISTING KEYNOTES

- EXISTING ASPHALT PAVING, MAX 2% EA. WAY
- EXISTING CONCRETE WALK, MAX 2% EA. WAY
- NOT USED
- EXISTING STRIPED PAVED PLAY AREA
- EXISTING FIRE HYDRANT
- EXISTING LANDSCAPING
- EXISTING SITE LIGHT, TYP.
- EXISTING W/ FENCE
- EXISTING FIRE ACCESS GATE (20'-0" W x 6'-0" H) WITH KNOX BOX
- EXISTING W/ GATE PER AP# 02-112594
- EXISTING CURB + GUTTER
- EXISTING PLAYGROUND
- EXISTING PARKING LOT STRIPING (TYP.)
- EXISTING PLAY FIELD
- EXISTING VAN ACCESSIBLE SIGN PER AP# 02-112594
- EXISTING STANDARD ACCESSIBLE SIGN PER AP# 02-112594

- EXISTING DRINKING FOUNTAIN PER AP# 02-106641
- EXISTING PLANTER, TYP
- EXISTING BASEBALL BACKSTOP
- EXISTING BASEBALL FIELD
- EXISTING RAMP WITH TRUNCATED DOMES
- EXISTING BOYS RESTROOM PER AP# 02-106641
- EXISTING GIRLS RESTROOM PER AP# 02-106641
- EXISTING STAFF RESTROOM PER AP# 02-106641
- EXISTING EDGE OF PAVEMENT
- EXISTING BICYCLE ENCLOSURE
- EXISTING CONCRETE PAD
- EXISTING CONCRETE CURB
- EXISTING CONCRETE RAMP WITH TRUNCATED DOMES PER AP# 02-112594
- EXISTING CHAIN LINK FENCE
- NOT USED
- EXISTING ACCESSIBLE ROUTE SIGN PER AP# 02-112594
- EXISTING ELECTRICAL PANEL



WATER FLOW REPORT

Tested By: Peterson/Santing Flow Test Date: 02/15/24
 Flow Requested By: Joshua Greigore
 Phone: 209-360-2439 Email: jshua@skwassociates.com

Project Name: New Portable classrooms
 Project Location: 5800 Saxon Way, Riverbank, CA 95367

Static Pressure: 69 Residual Pressure: 52 Final Pressure: 45
 Flow: 1126 GPM Flow: 2684 GPM @ 20 psi
 Outlet Size: 2 1/2" 4" 4 1/2" 4 3/4" Diffuser

Location of Static Hydrant: 5813 Saxon
 Location of Flow Hydrant: Saxon & Novi
 Hydrant Service: Yes No

810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications websites.
 To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new buildings, additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.
 The Project Information and Fire & Life Safety Information sections are to be completed for all projects and mapped onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and mapped on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 09-01: Fire Flow for Buildings.

PROJECT INFORMATION

School District/Owner: SYLVAN UNION SCHOOL DISTRICT
 Project Name/School: CROSSROADS ELEMENTARY SCHOOL
 Project Address: 5800 SAXON WAY, RIVERBANK, CA 95367

FIRE & LIFE SAFETY INFORMATION

1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

Refer to the following website for FHSZ locations:
<http://regis.fire.ca.gov/FHSZ/>

Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)

Moderate <input type="checkbox"/>	High <input type="checkbox"/>	Very High <input type="checkbox"/>	WIFA <input type="checkbox"/>
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DSG DSA 810 (revised 12/20/20) DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 1 of 4

810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED		
	Yes	No	N/A
4. Emergency vehicle access roadways do not meet CFC requirements.			<input checked="" type="checkbox"/>
4a. Acceptable Alternate: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.			<input checked="" type="checkbox"/>
5. Fire Hydrants: Number and spacing does not meet CFC requirements.			<input checked="" type="checkbox"/>
5a. Acceptable Alternate: Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.			<input checked="" type="checkbox"/>
6. Fire Hydrants: Water flow and pressure are less than CFC minimum.			<input checked="" type="checkbox"/>
6a. Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.			<input checked="" type="checkbox"/>
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			<input checked="" type="checkbox"/>
7a. Acceptable Alternate: The location of the department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.			<input checked="" type="checkbox"/>

School District Acceptance of Acceptable Design Alternates
 By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: _____ Title: _____
 Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION

LFA Agency Name: Stanislaus County Consolidated Fire Department
 LFA Review Official: Chris Peterson
 Title: Fire Prevention Inspector Work Phone: (209) 868-7470
 Work Email: fireprevention@scfd.us

LFA Reviewer's Signature: [Signature] Date: 12/01/23

DSG DSA 810 (revised 12/20/20) DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 2 of 4

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-122154 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 3/5/2024

skw & associates
 architecture • engineering • surveying
 2257 scenic drive, modesto, ca 95355 p: 209-529-8825 f: 209-529-7804

• david | stark
 architect
 c 22908

• allan v. stevenson
 civil engineer
 roc 61758

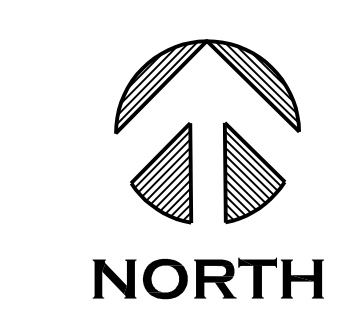


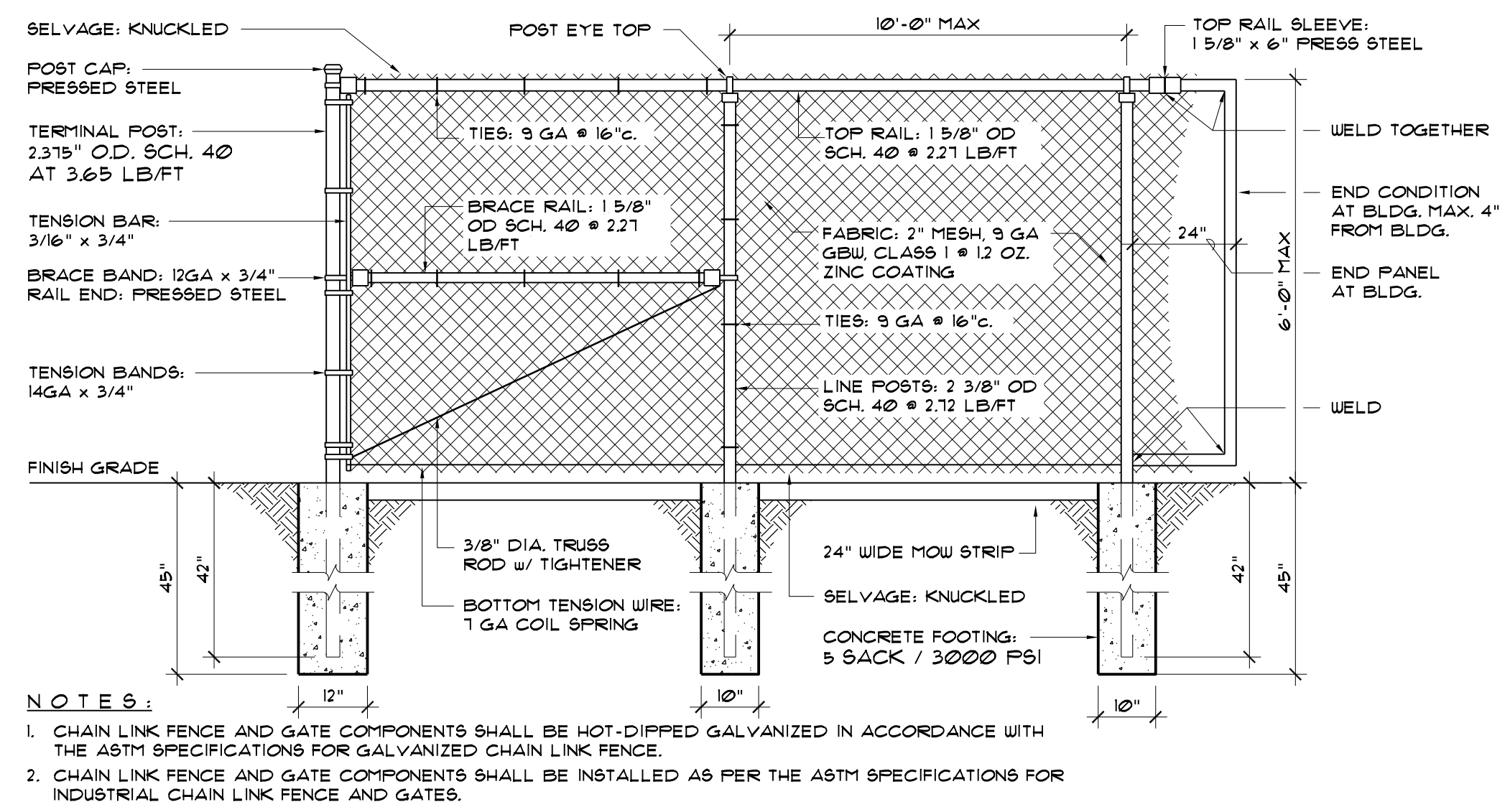
PROJECT TITLE:
 SYLVAN UNION SCHOOL DISTRICT
 CROSSROADS ELEMENTARY SCHOOL
 (2) NEW PORTABLE CLASSROOMS
 5800 Saxon Way
 RIVERBANK, CA 95367

REVISIONS:

BY: Z.D
 LIST: SYLVAN
 DATE: 2-27-2024
 JOB: 25M042

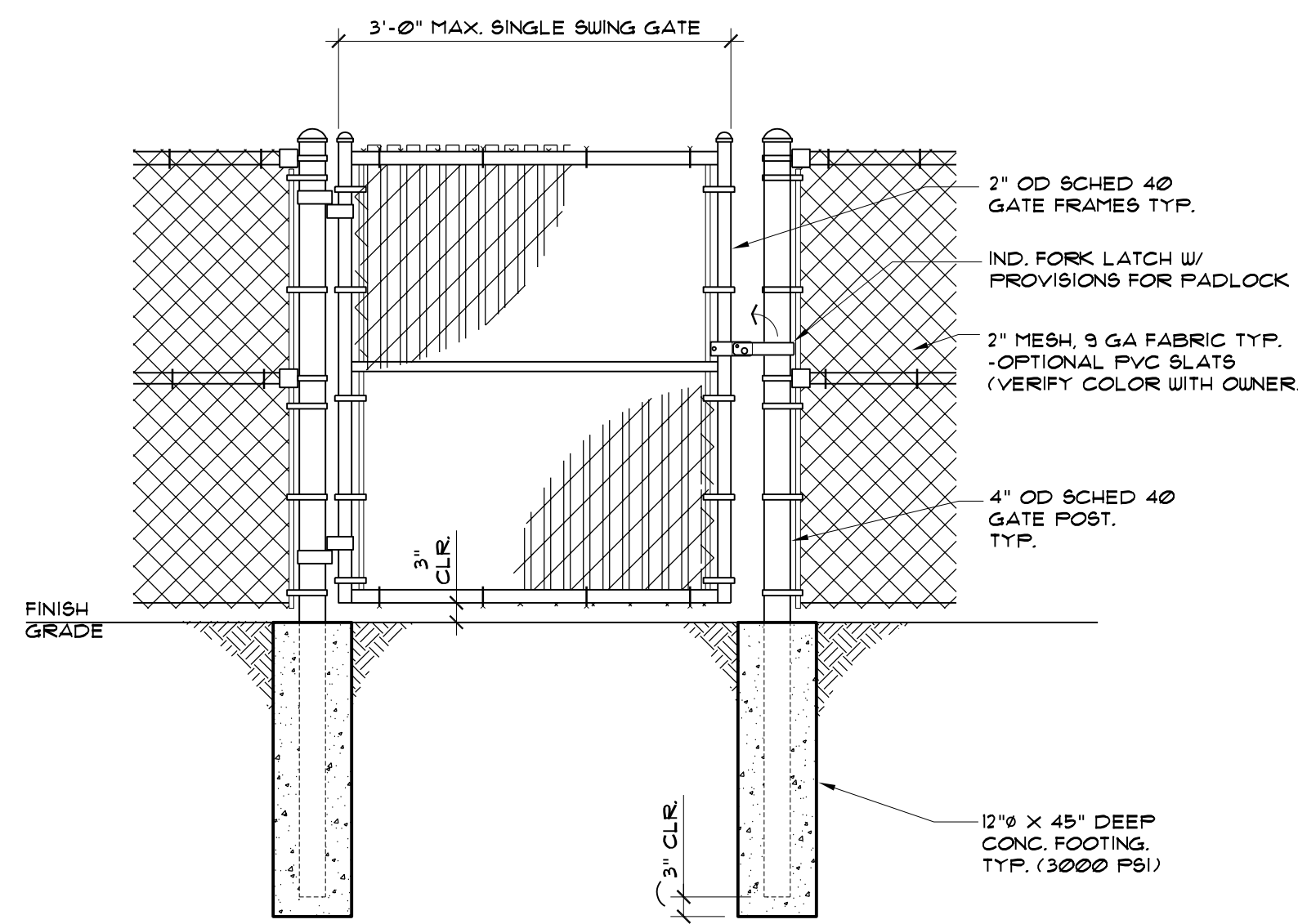
SHEET: AS-1





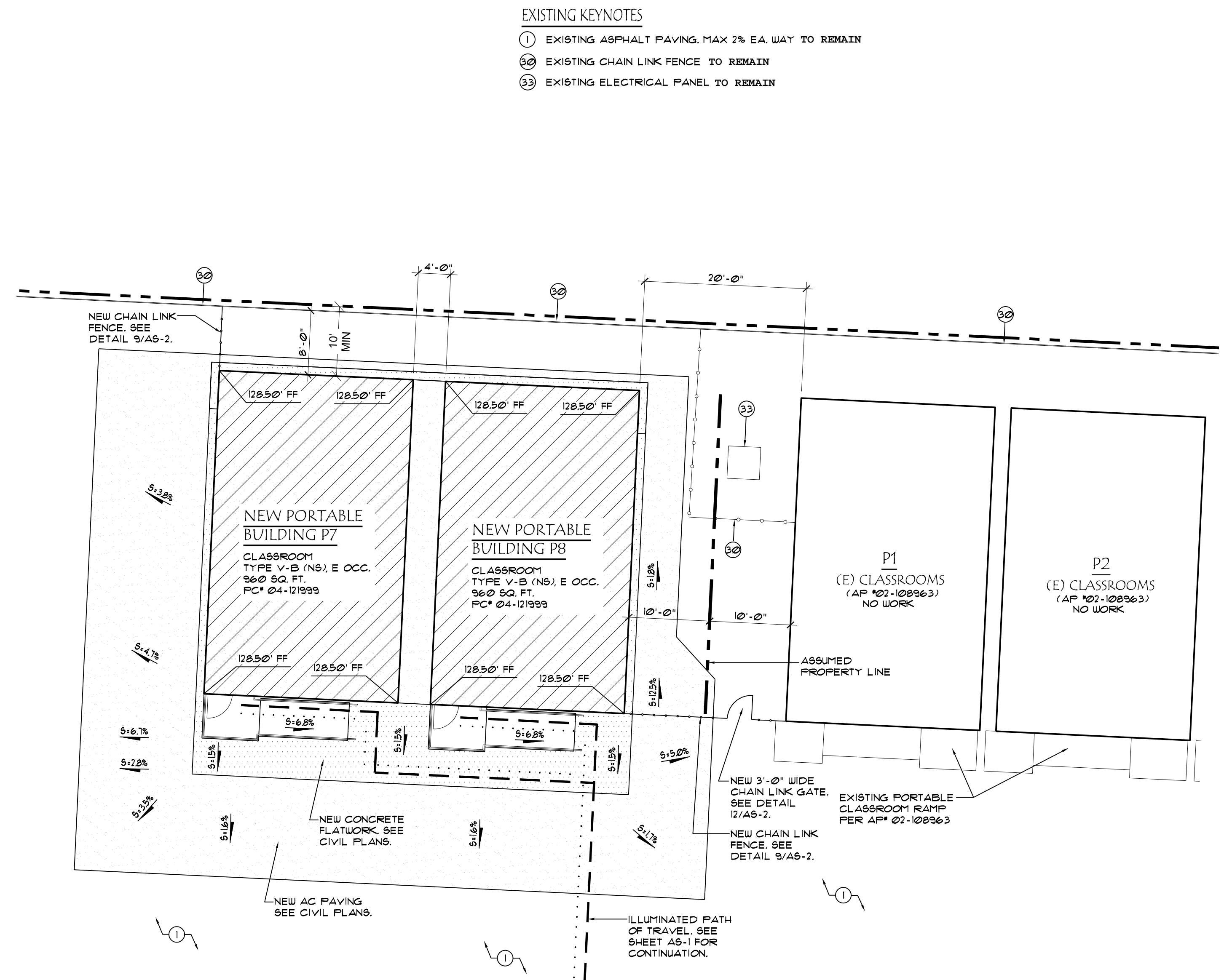
9 CHAIN LINK FENCE DETAIL

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



12 CHAIN LINK GATE DETAIL

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

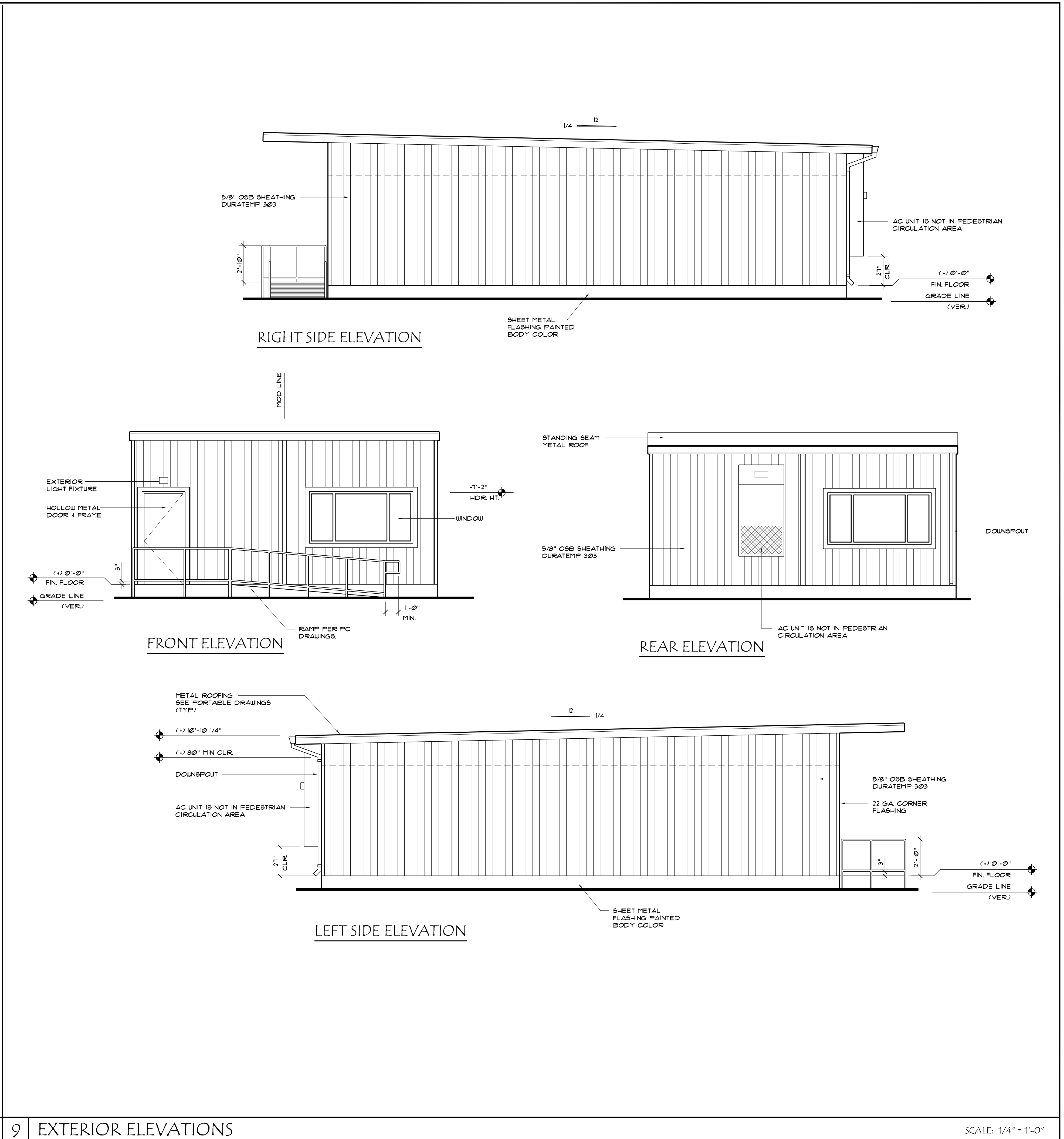
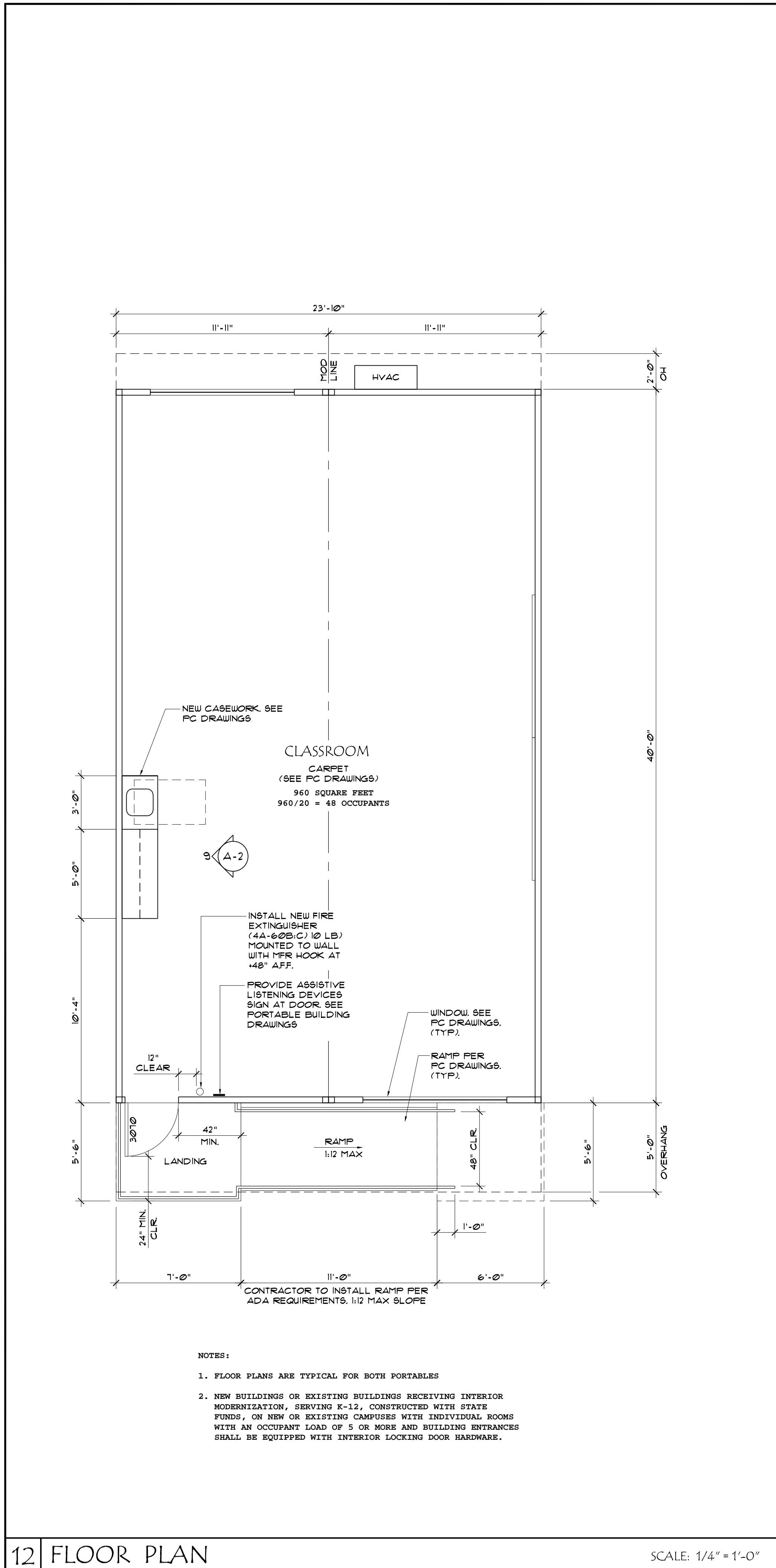


6 ENLARGED SITE PLAN



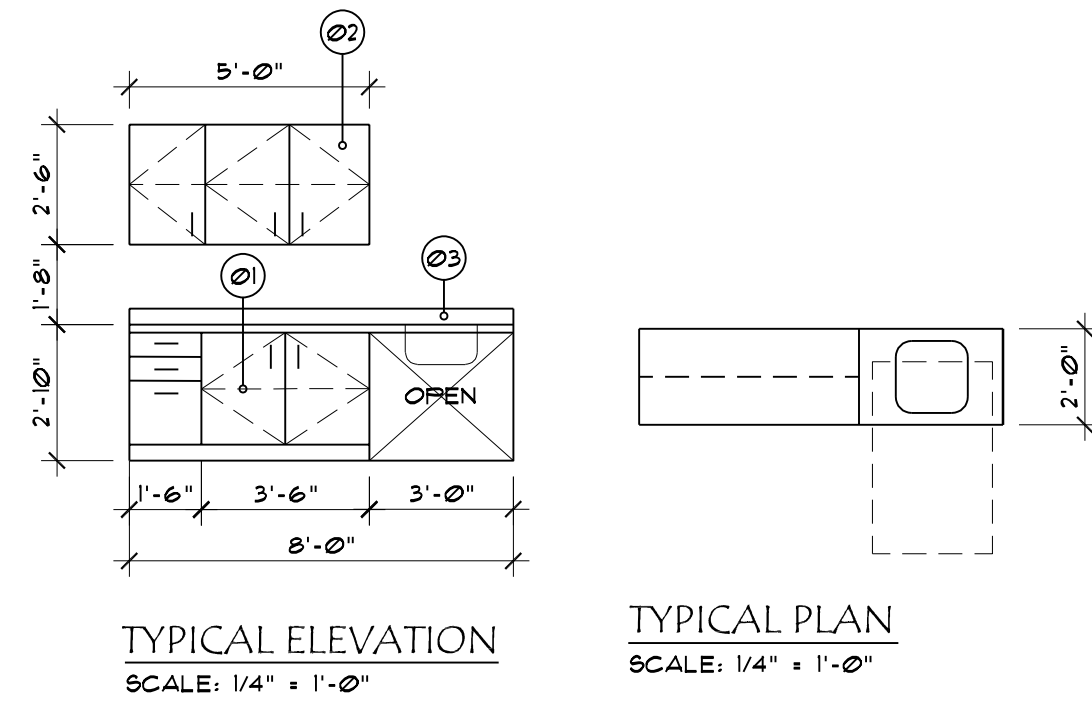
SCALE: 1" = 10'-0"

NOTE: THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AT THE JOB AND SHALL BE RESPONSIBLE FOR ALL DISCREPANCIES BETWEEN DIMENSIONS OF THE ACTUAL WORK AND THOSE SHOWN IN THE DOCUMENTS.
 CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF THE ACTUAL WORK AND THOSE SHOWN IN THE DOCUMENTS.
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KEY NOTES:

- ① WJ. SERIES BASE CABINETS (LAMINATE WITH MELAMINE INTERIOR)
- ② WJ. SERIES WALL HUNG CABINETS (LAMINATE WITH MELAMINE INTERIOR)
- ③ COUNTERTOP (PLASTIC LAMINATE) COLOR BY OWNER /ARCHITECT, PROVIDE BULLNOSE/EDGE AT PERIMETER & INTEGRATED 4" BACKSPLASH.

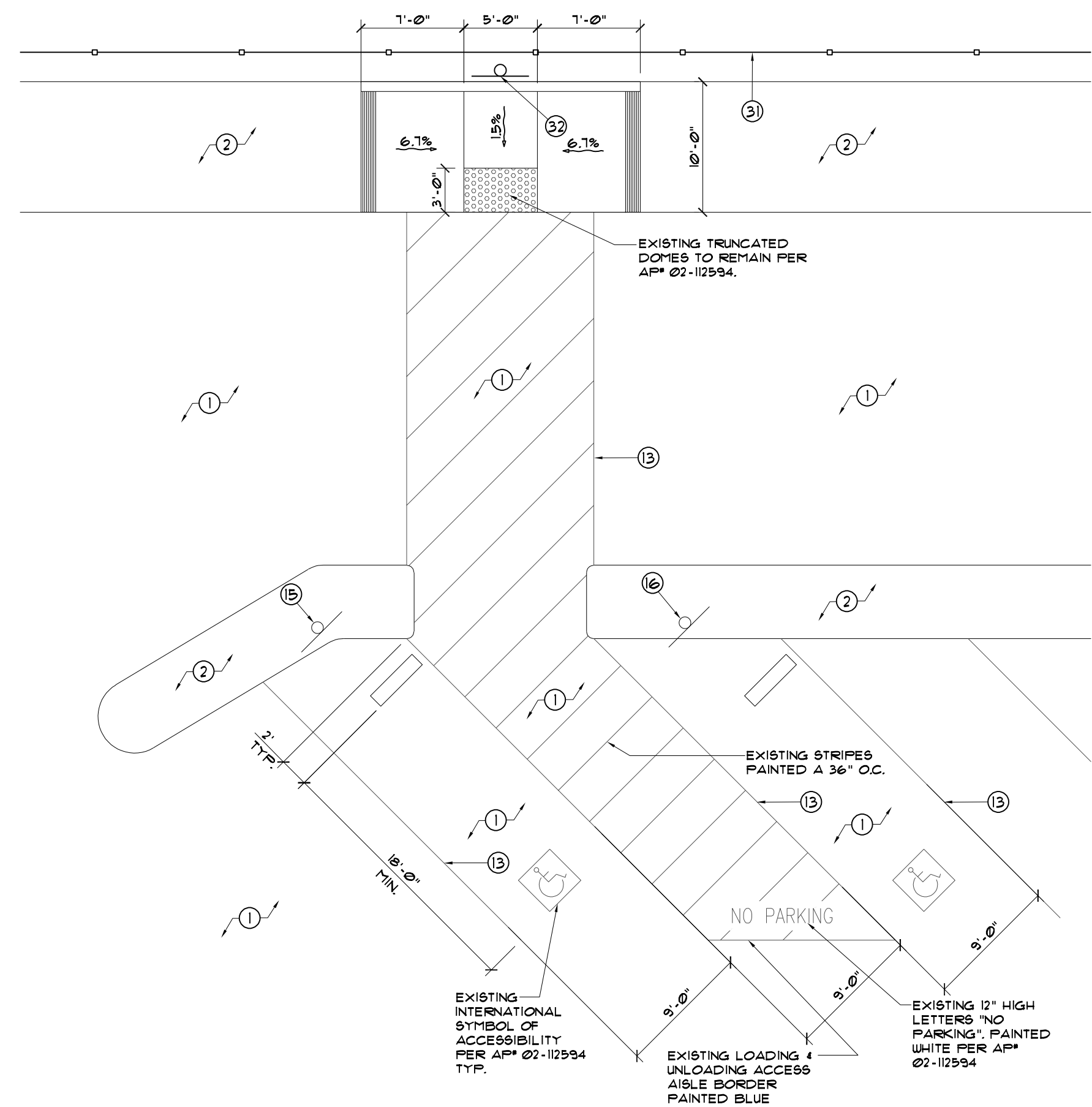


9 CASEWORK PLAN AND ELEVATIONS

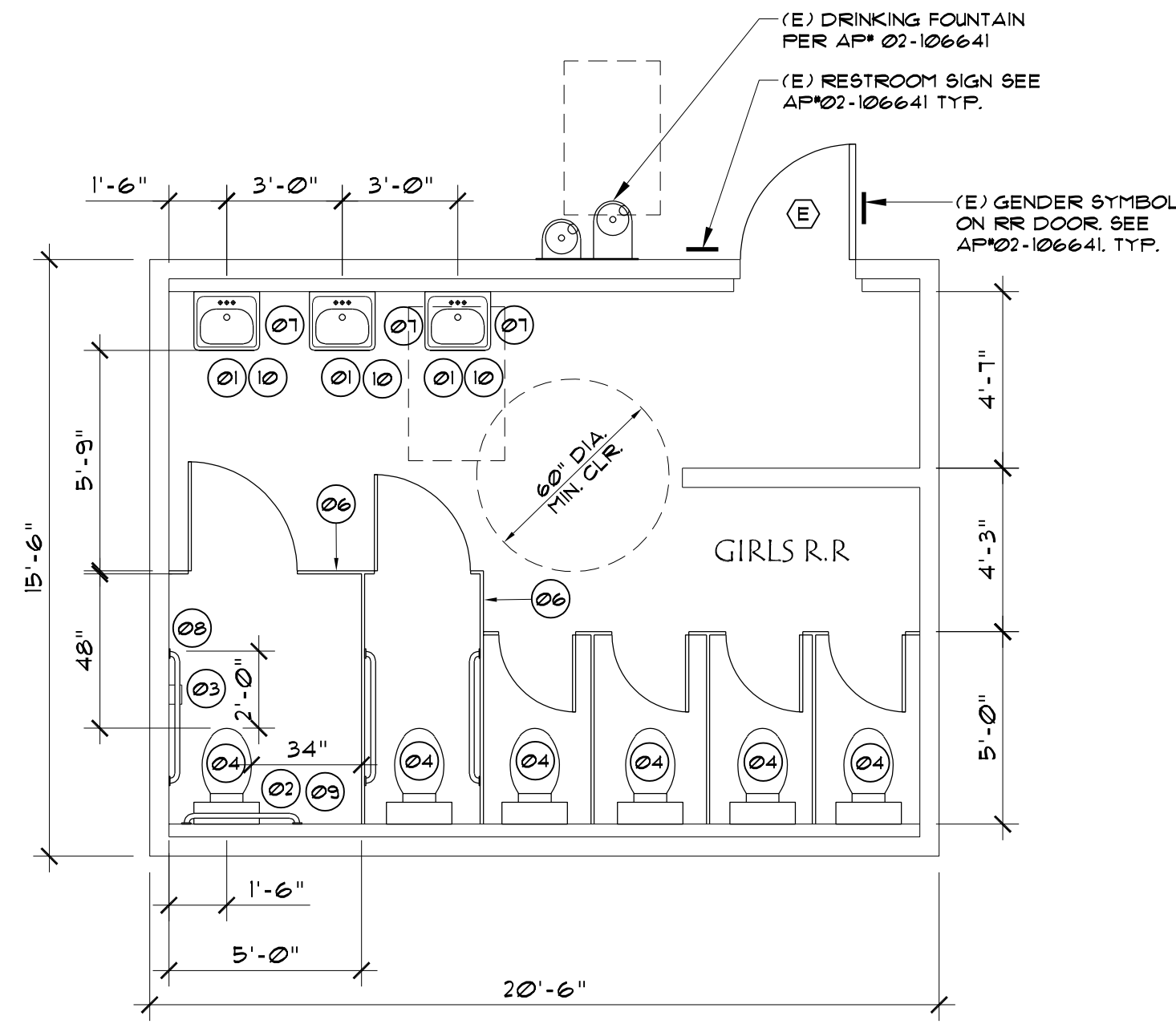
SCALE: 1/4" = 1'-0"

EXISTING KEYNOTES

- ① EXISTING ASPHALT PAVING, MAX 2% EA. WAY
- ② EXISTING CONCRETE WALK, MAX 2% EA. WAY
- ③ EXISTING PARKING LOT STRIPING (TYP.)
- ④ EXISTING VAN ACCESSIBLE SIGN PER AP# 02-112594
- ⑤ EXISTING STANDARD ACCESSIBLE SIGN PER AP# 02-112594
- ⑥ EXISTING WJ FENCE
- ⑦ EXISTING ACCESSIBLE ROUTE SIGN PER AP# 02-112594



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

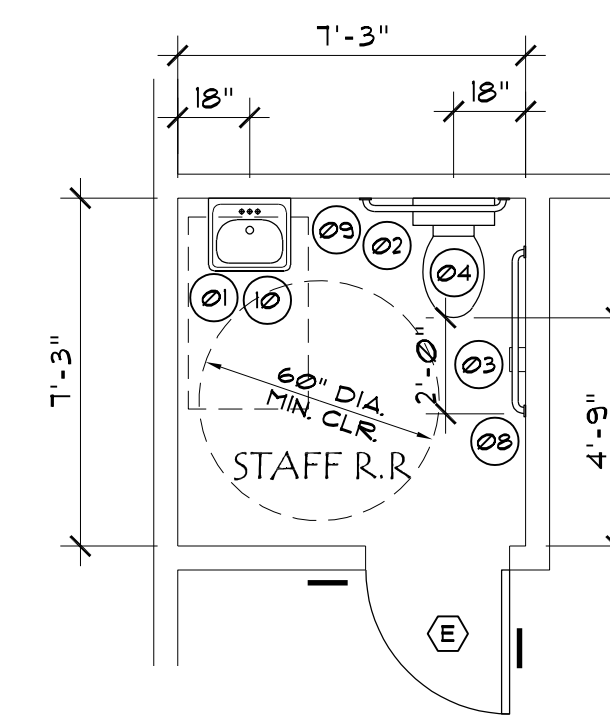
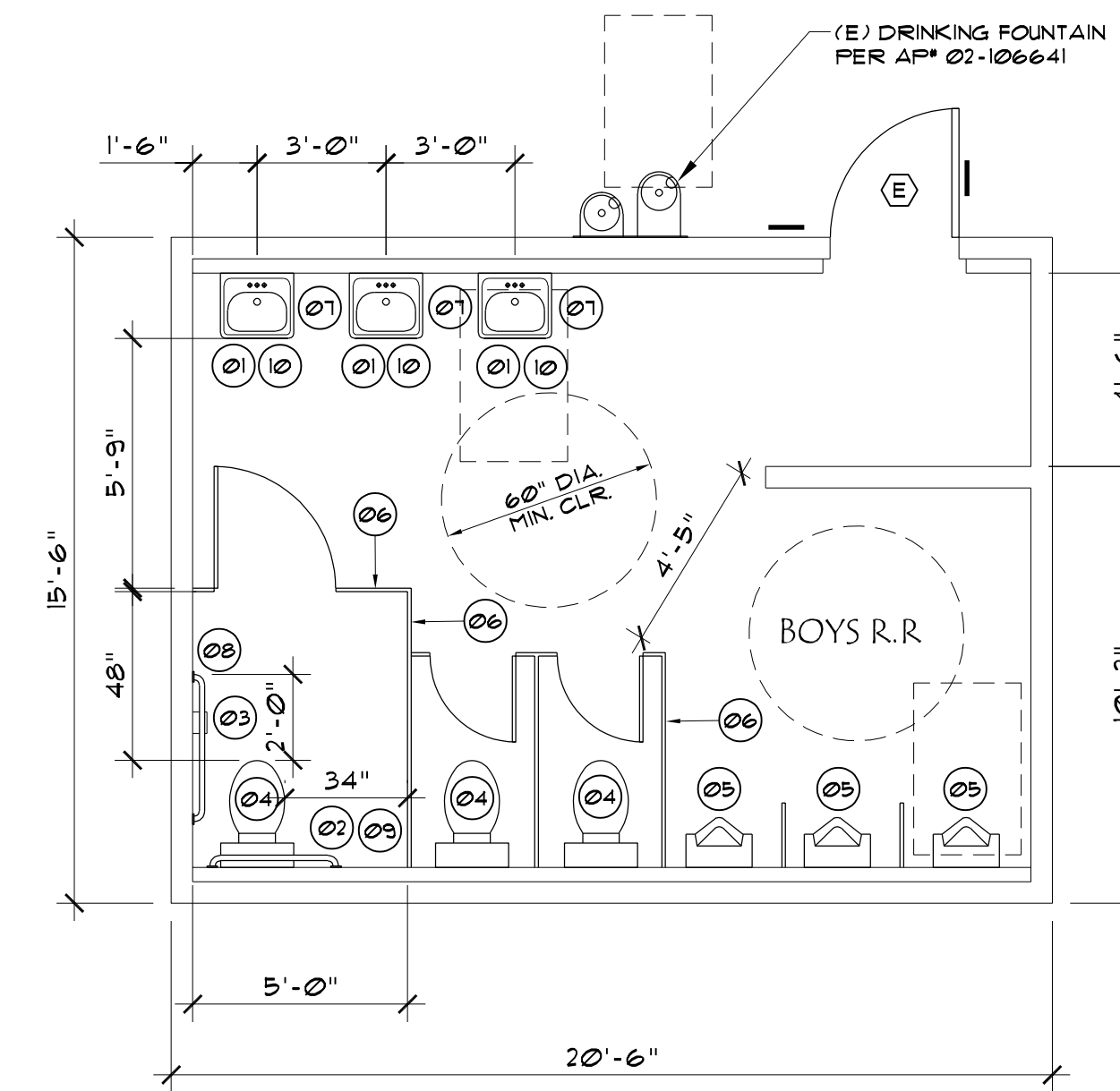


KEY NOTES:

- ① (E) LAVATORY.
- ② (E) 36" GRAB BAR SEE AP# 02-114569
- ③ (E) 42" GRAB BAR SEE AP# 02-114569
- ④ (E) ACC. OR REG. WATER CLOSET
- ⑤ (E) ACC OR REGULAR URINAL
- ⑥ (E) TOILET PARTITION (SOLID PLASTIC)
- ⑦ (E) SOAP DISPENSER
- ⑧ (E) SURFACE MOUNTED TOILET PAPER DISPENSER SEE AP# 02-114569
- ⑨ (E) TOILET SEAT COVER DISPENSER SEE AP# 02-114569
- ⑩ (E) 2'-0" W x 2'-6" H MIRROR, 40" AFF. MAX. (BOTT.)

DOOR LEGEND:

- (E) INDICATES AN EXISTING 3070 METAL DOOR AND FRAME TO REMAIN.



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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122154 INC:
REVIEWED FOR
SS FLS ACS
DATE: 3/5/2024

skw & associates
architecture • engineering • surveying
2257 scenic drive, modesto, ca 95355 p. 209-529-7804

• david j stark
architect
c 22908

• allan v. stevenson
civil engineer
noe 61758



PROJECT TITLE:
SYLVAN UNION SCHOOL DISTRICT
CROSSROADS ELEMENTARY SCHOOL
(2) NEW PORTABLE CLASSROOMS
5800 Sakon Way
RIVERBANK, CA 95367

ENLARGED RESTROOM PLANS

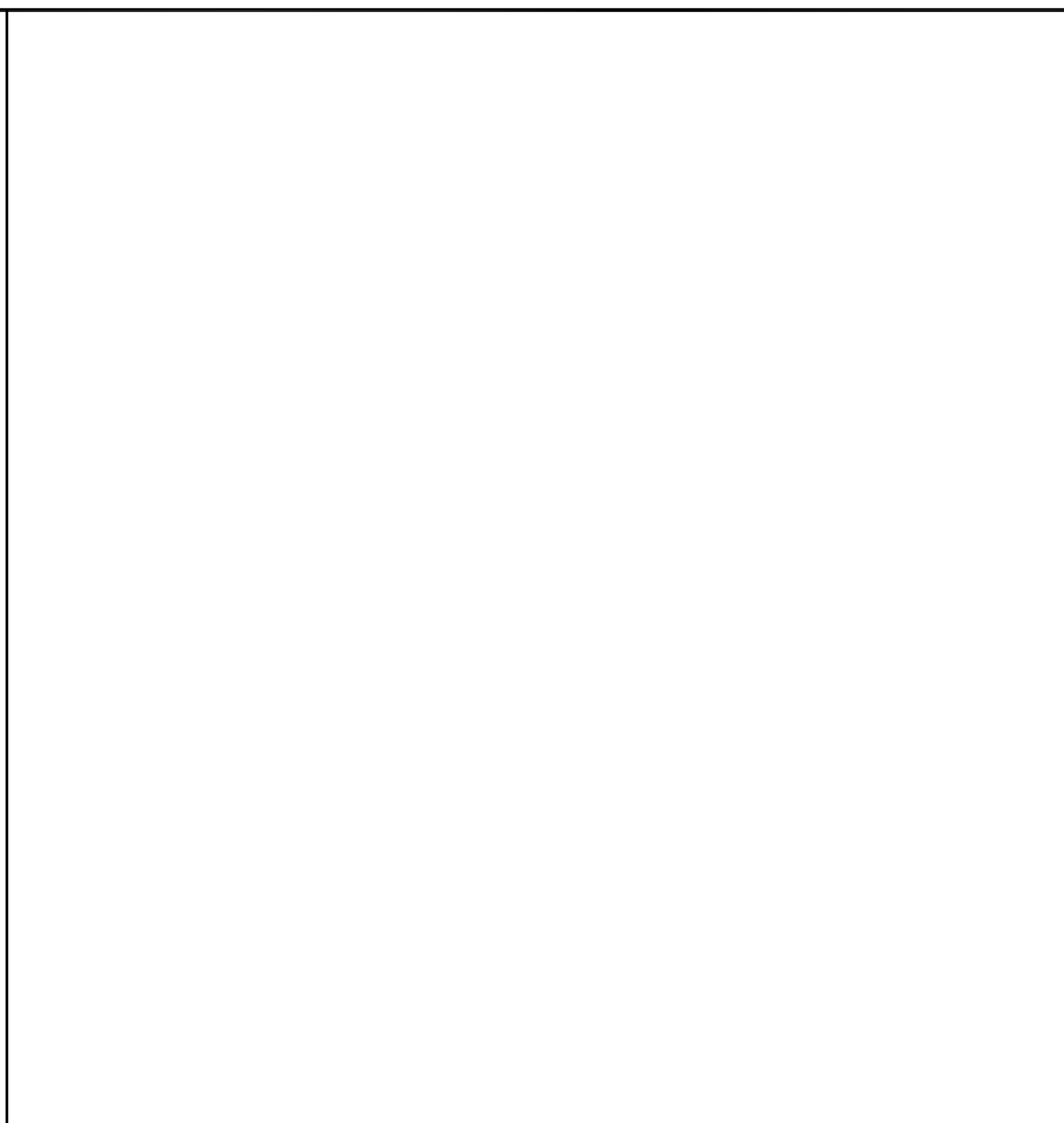
REVISIONS:

BY : Z.D
LIST : SYLVAN
DATE : 2-27-2024
JOB : 25M042

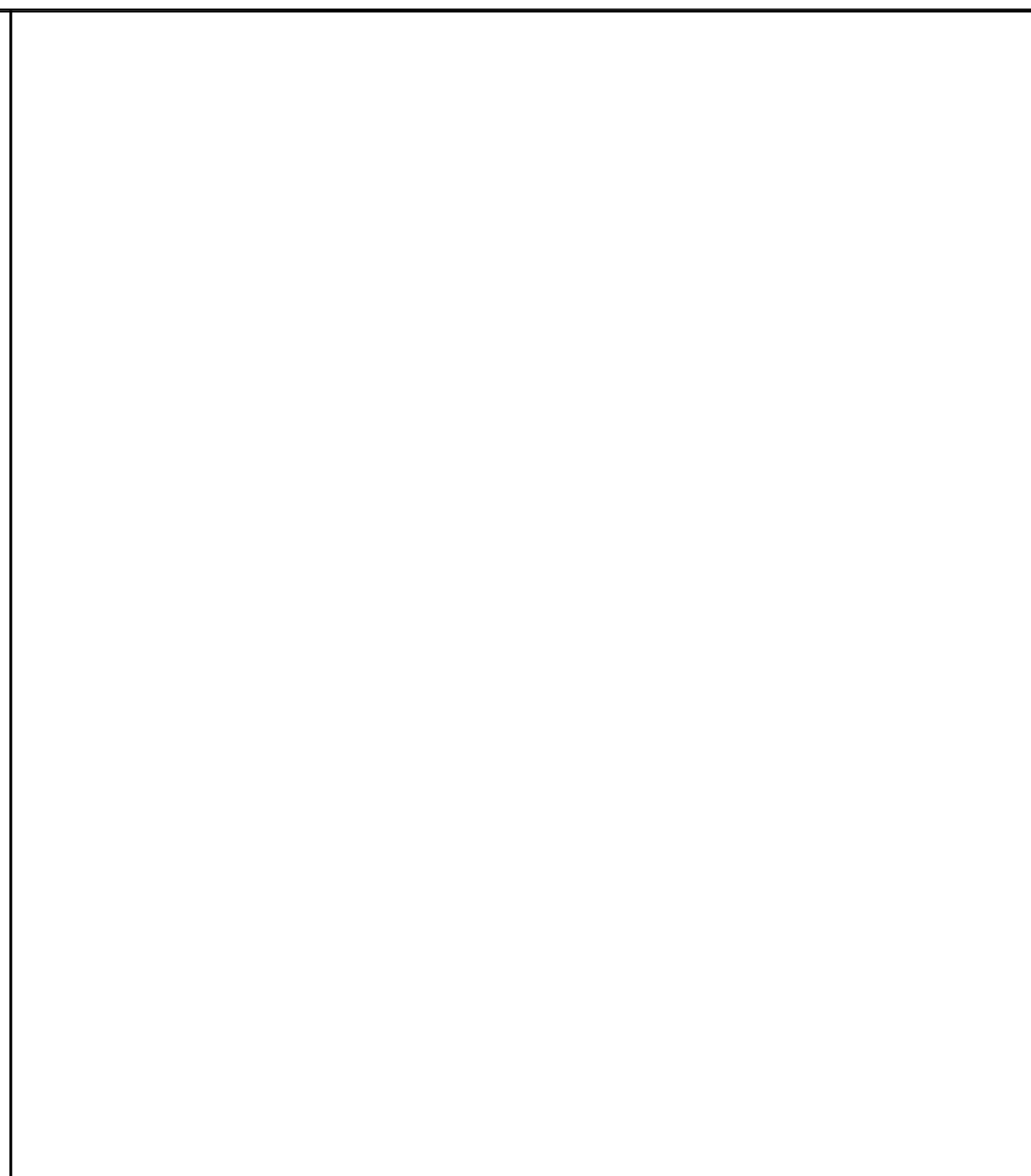
SHEET : A-2



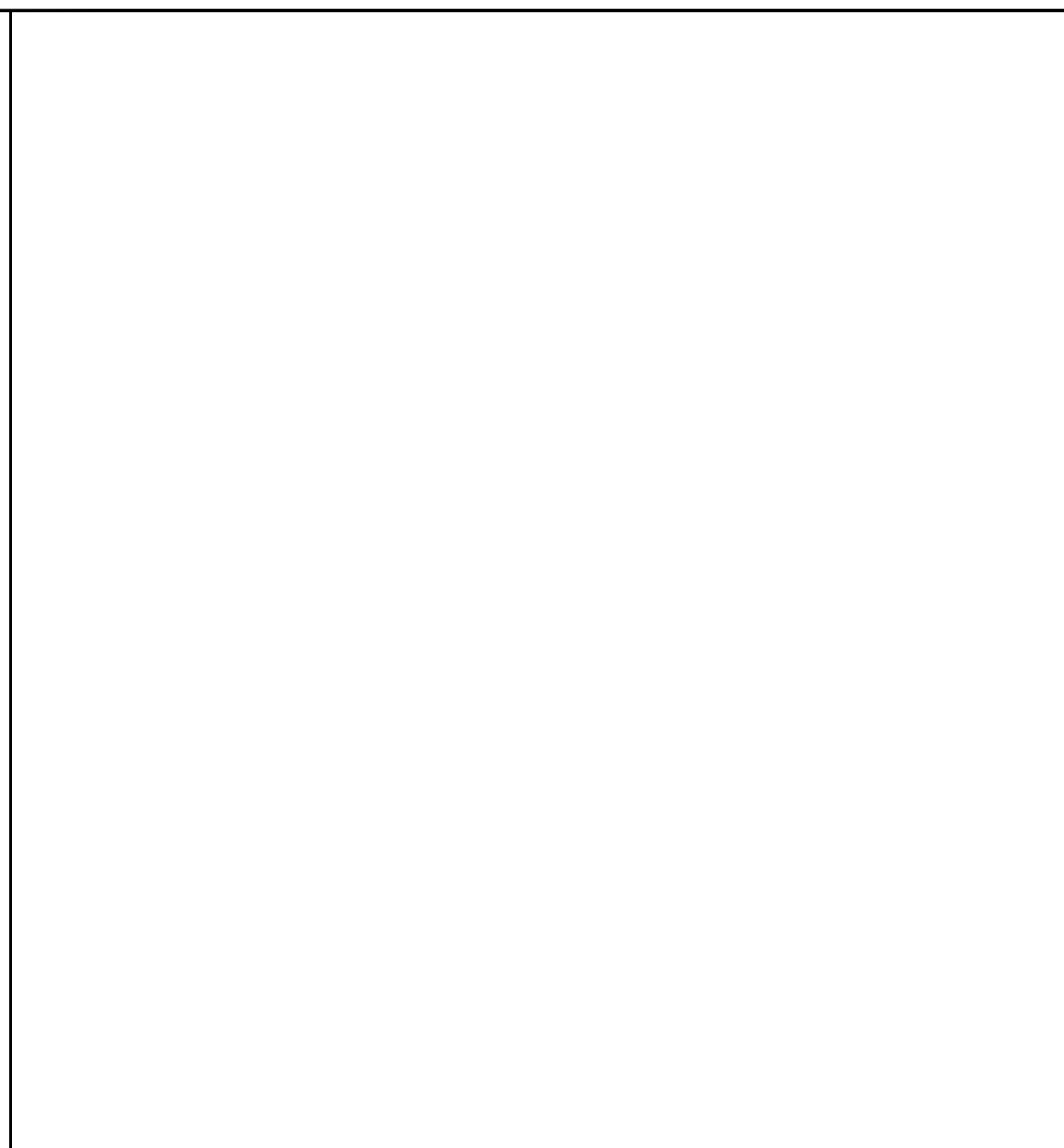
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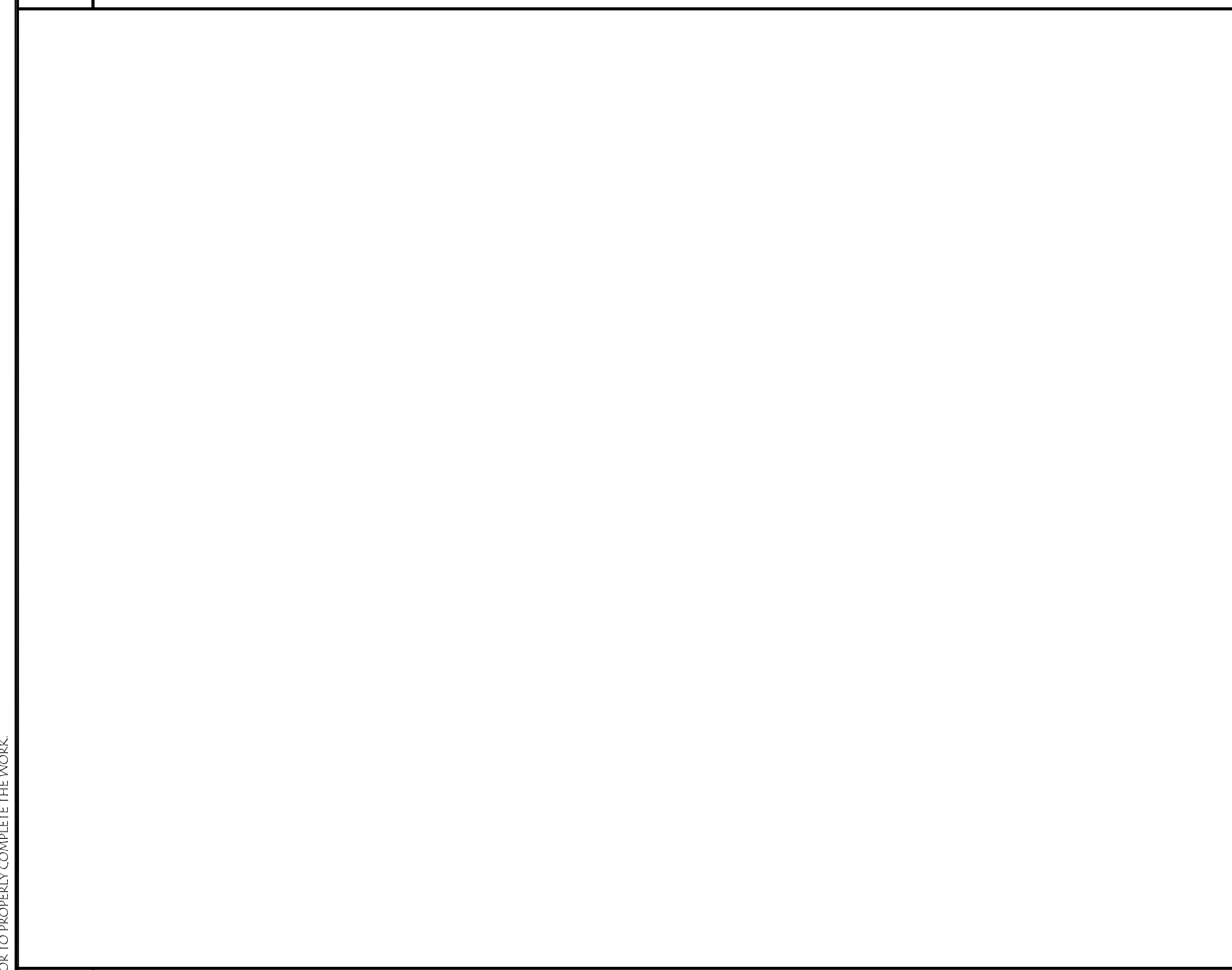
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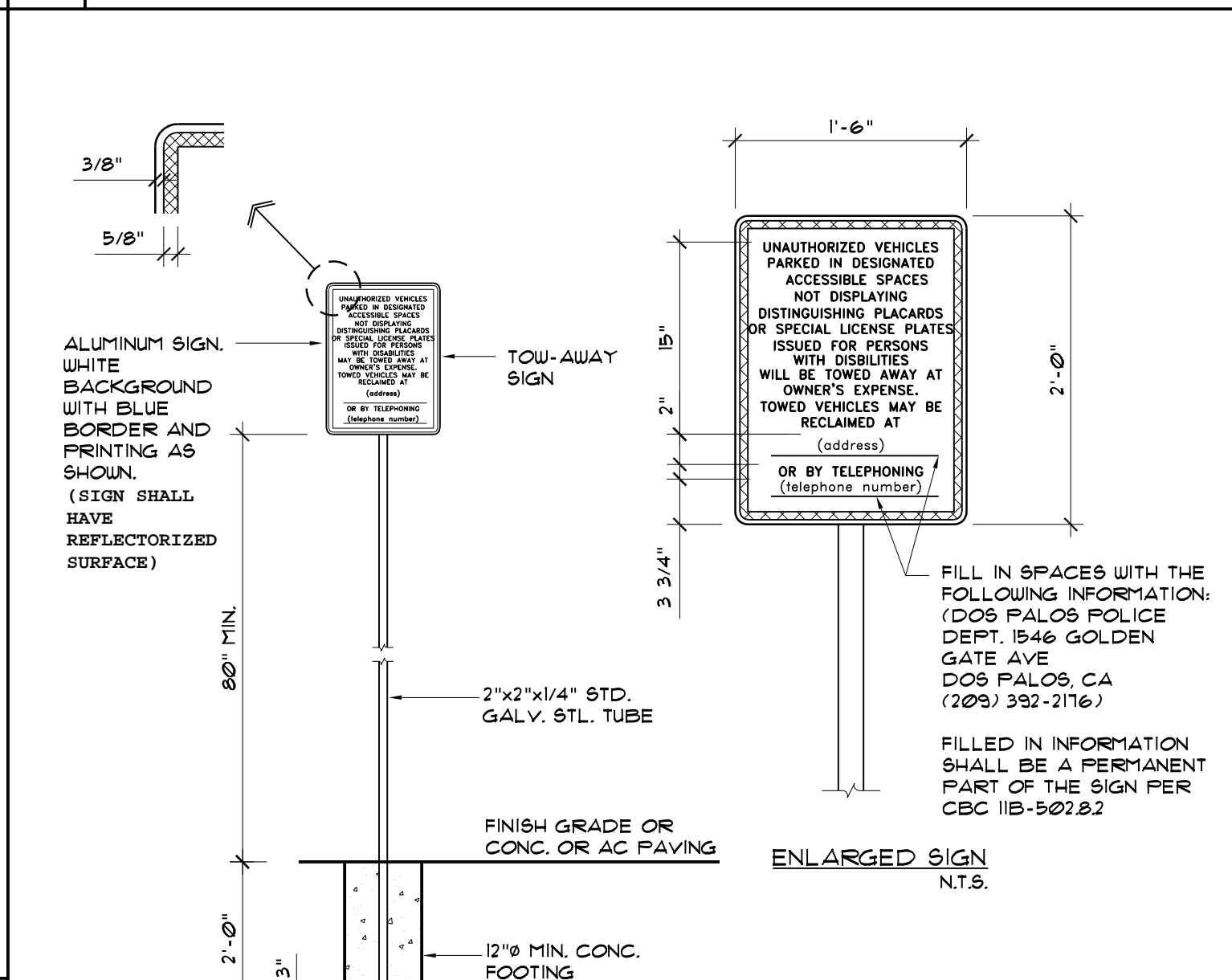
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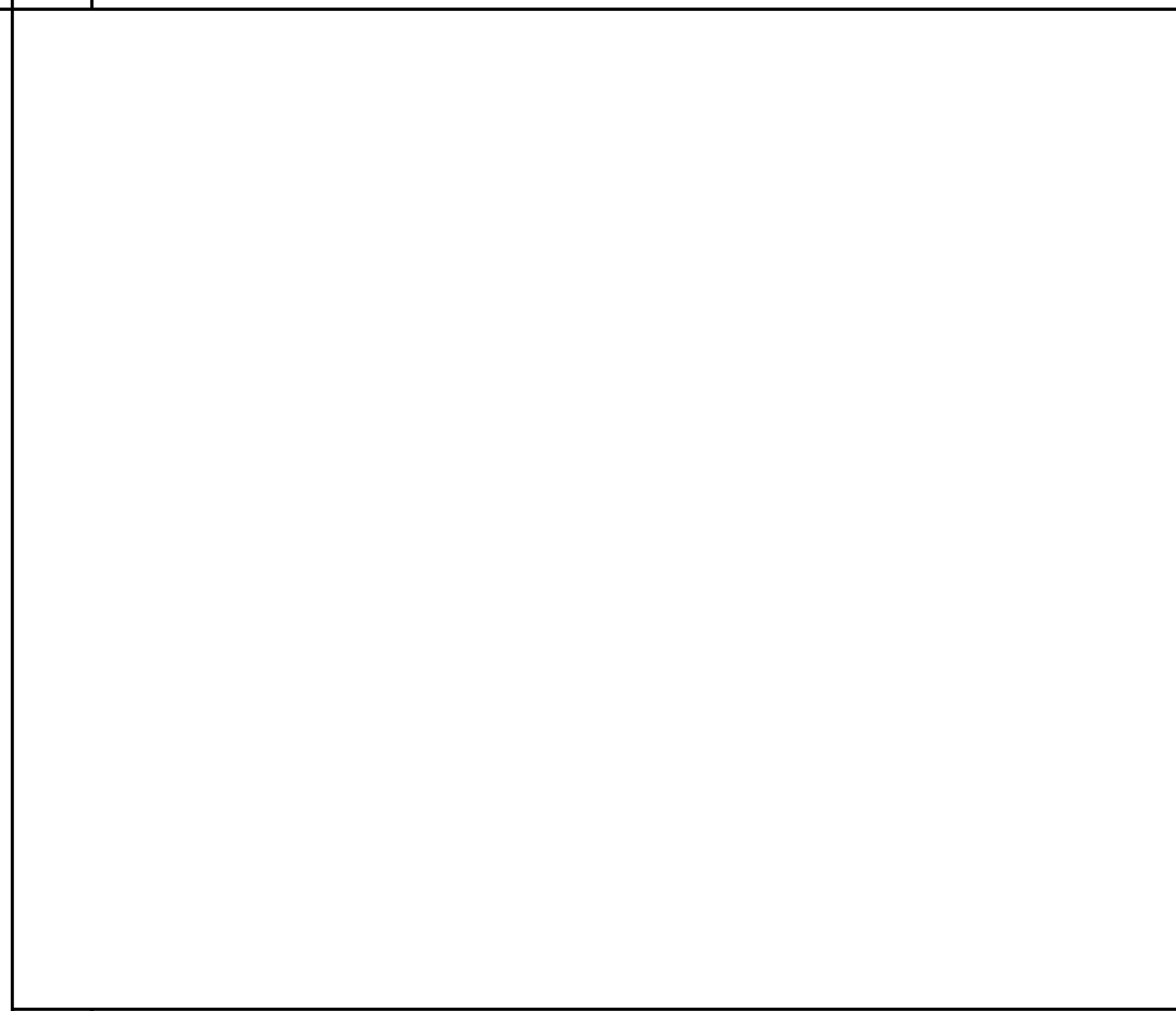
1 NOT USED



11 NOT USED



5 NOT USED



5 NOT USED

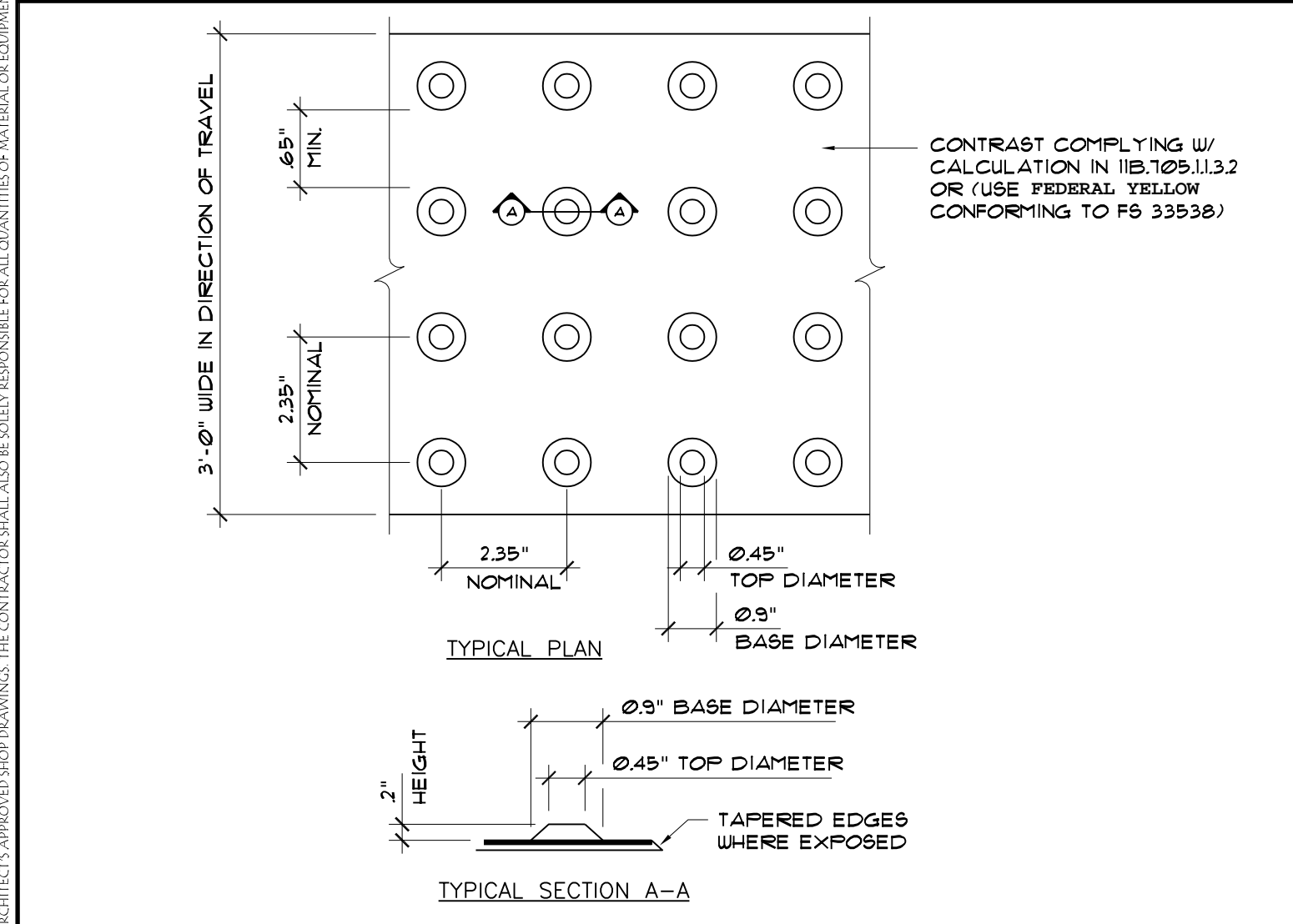
SITE DEVELOPMENT AND GRADING

- SITE DEVELOPMENT AND GRADING SHALL BE DESIGNED TO PROVIDE ACCESS TO PRIMARY ENTRANCES AND ACCESS TO NORMAL PATHS OF TRAVEL AND WHERE NECESSARY TO PROVIDE ACCESS SHALL INCORPORATE PEDESTRIAN RAMP, CURB RAMPS, ETC.
- PRIMARY ENTRANCE SHALL MEAN ANY ENTRANCE TO A FACILITY WHICH HAS A SUBSTANTIAL FLOW OF PEDESTRIAN TRAFFIC TO ANY SPECIFIC MAJOR FUNCTION OF THE FACILITY.

TOTAL NUMBER OF PARKING SPACES PROVIDED IN PARKING FACILITY	MINIMUM NUMBER OF ACCESSIBLE PARKING SPACES
1 - 25	1
26 - 50	2
51 - 75	3
76 - 100	4
101 - 150	5
151 - 200	6
201 - 300	7
301 - 400	8
401 - 500	9
501 - 1000	2 PERCENT OF TOTAL
1001 AND OVER	20, PLUS 1 FOR EACH 100, OR FRACTION THEREOF, OVER 1000

FOR EVERY SIX OR FRACTION OF SIX PARKING SPACES REQUIRED BY SECTION IIB-502.2 TO COMPLY WITH SECTION IIB-502, AT LEAST ONE SHALL BE A VAN PARKING SPACE COMPLYING WITH SECTION IIB-502.
 SEE SHEET AS-1 FOR PARKING LOT SPACE BREAKDOWN.

2 ACCESSIBLE SPACES



12 TRUNCATED DOMES 1" = 1'-0"

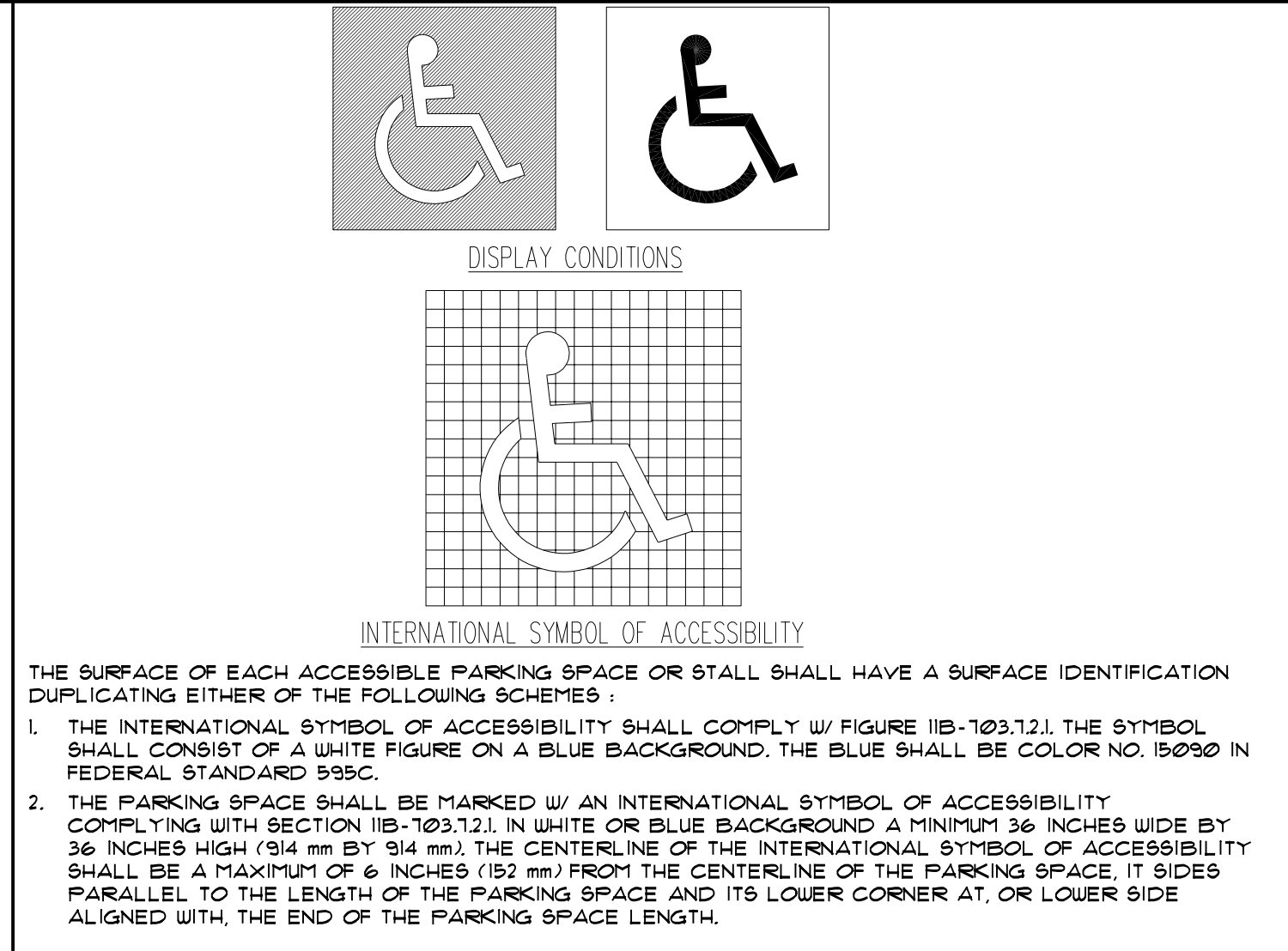
SIGNAGE NOTES:

- EACH PARKING SPACE RESERVED FOR PERSONS WITH DISABILITIES SHALL BE IDENTIFIED BY A REFLECTORIZED SIGN PERMANENTLY POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE CONSISTING OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY IN WHITE OR DARK BLUE BACKGROUND.
- THE SIGN SHALL NOT BE SMALLER THAN 10 SQ. IN. (4516.3 MM²) IN AREA AND, WHEN IN A PATH OF TRAVEL, SHALL BE POSTED AT A MINIMUM HEIGHT OF 80 IN. (2032 MM) FROM THE BOTTOM OF THE SIGN TO THE PARKING SPACE FINISHED GRADE. SIGNS MAY ALSO BE CENTERED ON THE WALL AT THE INTERIOR END OF THE PARKING SPACE. AN ADDITIONAL SIGN OR ADDITIONAL LANGUAGE BELOW THE SYMBOL OF ACCESSIBILITY SHALL STATE "MINIMUM FINE \$250".
- VAN ACCESSIBLE SPACES COMPLYING WITH SECTION IIB-502.3.3, ITEM 2 SHALL HAVE AN ADDITIONAL SIGN OR LANGUAGE STATING "VAN ACCESSIBLE" BELOW THE SYMBOL OF ACCESSIBILITY. SIGNS IDENTIFYING ACCESSIBLE PARKING SPACES SHALL BE LOCATED SO THEY CANNOT BE OBTSCURED BY A VEHICLE PARKED IN THE SPACE.
- AN ADDITIONAL SIGN SHALL ALSO BE POSTED IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO THE OFF-STREET PARKING FACILITIES OR IMMEDIATELY ADJACENT TO A VISIBLE FROM EACH ACCESSIBLE STALL OR SPACE. THE SIGN SHALL NOT BE LESS THAN 17 IN. X 22 IN. (431.8 X 558.8 MM²) IN SIZE WITH 1 INCH HIGH MINIMUM LETTERING WHICH CLEARLY AND CONSPICUOUSLY STATES THE FOLLOWING: REFER TO DETAIL ABOVE.

9 TOW-AWAY SIGN



6 NOT USED



3 SYMBOL OF ACCESSIBILITY

02/26/24 10:22:41 AM F:\2A\060 SUSD PORTABLES AT VARIOUS\ENGR\SHEETS\060_ED.1 TITLE SHEET.DWG cmenendez

GENERAL POWER LEGEND	
	CONCRETE PULL BOX - SIZE AS NOTED - LIDS AS NOTED 'P' POWER, 'S' SIGNAL, 'F' FIRE ALARM & 'D' DATA; '-T' DENOTES TRAFFIC LID
	CONDUIT - SURFACE MOUNTED OR ABOVE CEILING - EMT WITH COMPRESSION FITTING UNLESS NOTED ON PLANS
	CONDUIT - CONCEALED BELOW FLOOR IN EMT OR UNDERGROUND IN PVC SCH 40 WITH IMC ELBOWS
	HOMERUN TO PERSPECTIVE PANEL OR CABINET - BRANCH CIRCUIT WITH OUT FURTHER DESIGNATION IS A #12 WIRE CIRCUIT
	FLEX
	TERMINAL CABINET
	PANEL BOARD - SEE SCHEDULE
	MOTOR/EXHAUST FAN - N.I.E.S. - CONNECT AS REQUIRED
	DUPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
	QUADPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
	HALF SWITCHED DUPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
	HALF SWITCHED QUADPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
	FLOOR POWER RECEPTACLE - WALKER OR EQUAL
	30A. - 4 WIRE GROUND RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
	GFCI DUPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
	EQUIPMENT AND/OR CONTROL CONNECTION POINT. MAKE CONNECTION TO EQUIPMENT AS REQUIRED.
	JUNCTION BOX - SINGLE GANG BOX
	FUSED DISCONNECT SWITCH - SIZE AS NOTED - 30A. SHOWN
	MOTOR RATED DISCONNECT SWITCH
	TELEPHONE OUTLET - SUTILE, AT&T/LUCENT, OR EQUAL +18" ELSE WALL MOUNTED +48"
	COMBINATION TELEPHONE & DATA OUTLET - AT&T/LUCENT M-SERIES OR EQUAL +18"
	CARDREADER / KEYCARD - SECURITY ENTRANCE ACCESS
	INTERCOM HANDSET - COMPATIBLE SPECIFIED SYSTEM +48"
	FIXTURE IDENTIFICATION - LETTER INDICATES FIXTURE TYPE - NUMERAL INDICATES LAMP QUANTITY AND WATTAGE
	PHOTO ELECTRIC CELL
	DAYLIGHT CEILING SENSOR. WATTSTOPPER LMLS-400.
	CEILING MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER #LMDX-100.
	WALL CORNER MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER #LMDX-100.
	SINGLE POLE TOGGLE SWITCH +48"
	TWO POLE TOGGLE SWITCH +48"
	THREE POLE TOGGLE SWITCH +48"
	FOUR POLE TOGGLE SWITCH +48"
	DIMMER SWITCH SINGLE POLE +48" TO TOP OF BOX, WATTSTOPPER #LMDM-101
	MANUAL PULL STATION +48" A.F.F. - TYPICAL
	STROBE
	COMBINATION HORN/STROBE
	SMOKE DETECTOR
	HEAT DETECTOR
	FIRE ALARM CONTROL PANEL
	REMOTE ANNUNCIATOR AT CONSTANTLY ATTENDED LOCATION +48"
*SEE FIRE ALARM EQUIPMENT SCHEDULE FOR EXACT EQUIPMENT DESCRIPTION	

GENERAL ELECTRICAL NOTES	
1.	PROVIDE ALL LABOR, MATERIALS, TOOLS, PLANT EQUIPMENT, TRANSPORTATION AND ALL PERFORM ALL OPERATIONS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF ALL ELECTRICAL WORK REQUIRED FOR THE COMPLETE AND OPERATING SYSTEMS AS OUTLINED WITHIN THE SCOPE OF WORK.
2.	UNDERWRITERS LABORATORIES, INC., SHALL MEET THEIR REQUIREMENTS AND SHALL BEAR THEIR LABEL WHEREVER STANDARDS HAVE BEEN ESTABLISHED AND LABEL SERVICE IS REGULARLY FURNISHED BY THAT AGENCY.
3.	THE SIZE AND LOCATIONS OF EQUIPMENT ARE SHOWN TO SCALE WHEREVER POSSIBLE, CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION AT THE SITE.
4.	CONDUCTORS SHALL BE COPPER CONDUCTORS TYPE AS NOTED ON CONSTRUCTION DOCUMENTS.
5.	ALL REQUIRED CONDUITS SHALL BE PROVIDED BY E.C. LOW VOLTAGE WIRING SHALL BE BY MECHANICAL CONTRACTOR, LINE VOLTAGE (50 VOLTS OR MORE) SHALL BE BY ELECTRICAL CONTRACTOR.
6.	ALL CONDUITS SHALL BE SUPPORTED AND BRACED PER OPM #OPM-0052-13, THE "B-LINE/TOLLO SEISMIC RESTRAINT COMPONENTS FOR SUSPENDED UTILITIES" FOR PIPES AND CONDUITS ONLY. LAYOUT DRAWINGS, SHOWING THE BRACING/SUPPORT LOCATIONS AND REFERENCES TO DETAILS FROM THE RELEVANT OSHPD PRE-APPROVALS FOR PIPING/DUCTS/CONDUITS EXCEPT FIRE SPRINKLERS, NEED TO BE SUBMITTED FOR USE BY THE IOR AND OSHPD STAFF. THE LAYOUT DRAWINGS NEED TO BE REVIEWED AND ACCEPTED BY THE AOR AND SEOR PRIOR TO STARTING INSTALLATION OF THE BRACING/SUPPORT. IOR SHALL ENSURE THE ABOVE REQUIREMENTS ARE SATISFIED.
7.	DO NOT PENETRATE STRUCTURAL MEMBERS, INCLUDING BEAMS, COLUMNS, OR FOOTINGS, WITHOUT PRIOR WRITTEN CONSENT OF THE DISTRICT'S STRUCTURAL ENGINEER. SHOULD IT BECOME NECESSARY TO PENETRATE SUCH MEMBERS, NOTIFY THE DISTRICT IN WRITING WITHOUT DELAY, PRIOR TO PROCEEDING WITH CONSTRUCTION AROUND SUCH MEMBERS.
8.	ALL ELECTRICAL WORK SHALL CONFORM WITH THE 2022 CALIF. ELECTRICAL CODE CALIFORNIA TITLE 17, 19 & 24 ALONG WITH N.F.P.A. STANDARDS AND THE STATE FIRE MARSHAL'S REQUIREMENTS.
9.	ALL WORK TO BE IN ACCORDANCE WITH REQUIREMENTS OF STATE & GOVERNING LOCAL FIRE CODES AND BUILDING CODES.
10.	WHERE EXISTING CONSTRUCTION IS CUT, DAMAGED, OR REMODELED, PATCH WITH MATERIALS TO MATCH IN KIND, QUALITY, AND PERFORMANCE.
11.	WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO PUBLIC AND TO OCCUPANTS OF EXISTING BUILDING.
12.	CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR SAFETY OF ALL PERSONS ON OR ABOUT THE CONSTRUCTION SITE, IN ACCORDANCE WITH APPLICABLE LAWS AND CODES. GUARD ALL HAZARDS IN ACCORDANCE WITH THE SAFETY PROVISIONS OF THE LATEST MANUAL OF ACCIDENT PREVENTION PUBLISHED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA.
13.	CLEAN ALL EXPOSED SURFACES AND NEW EQUIPMENT AFTER COMPLETION.
14.	CONTRACTOR TO COORDINATE WITH OWNERS VENDORS (SUCH AS, BUT NOT LIMITED TO: SECURITY, PHONES, DATA, CLOSED CIRCUIT T.V., ETC.) AND ALLOW ACCESS TO THE CONSTRUCTION SITE.
15.	ALL CONDUIT SHALL BE TYPE EMT CONDUIT UNLESS OTHERWISE NOTED. TYPE MC CABLE SHALL NOT BE USED UNLESS SPECIFICALLY NOTED ON THE CONSTRUCTION DOCUMENTS.
16.	OPERATED DEVICES SUCH AS, BUT NOT LIMITED TO, TELE/DATA OUTLETS, RECEPTACLE OUTLETS AND LIGHT SWITCHES INSTALLED IN AREAS NOT RESTRICTED TO AUTHORIZED MAINTENANCE PERSONAL SHALL BE MOUNTED AT A MINIMUM OF +15" AFF., AS MEASURED FROM THE BOTTOM OF THE DEVICE OUTLET BOX, AND MAXIMUM OF +48" AFF., AS MEASURED FROM THE TOP OF THE DEVICE OUTLET BOX.
17.	ALL CHANGE ORDER PROPOSALS AND CHANGE ORDERS, BOTH ADDITIVE AND DEDUCTIVE, SHALL BE BASED UPON AND BE ACCOMPANIED BY A DETAILED MATERIALS AND LABOR BREAKDOWN FOR EACH SPECIFIC TASK AND/OR ITEM. THE BREAKDOWN SHALL INCLUDE ACTUAL MATERIALS COSTS PLUS OVERHEAD AND PROFIT, AS WELL AS LABOR UNITS BASE UPON THE MOST RECENT NECA MANUAL OF LABOR UNITS (NECA INDEX #4090) OR EQUIVALENT PUBLICATION FOR EACH SPECIFIC TASK AND ITEM. LABOR COSTS SHALL BE COMPUTED AS OUTLINED WITHIN THE GENERAL CONDITIONS, BASED UPON THE NECA LABOR TABLES FOR EACH TASK REQUIRED. MATERIALS COSTS SHALL INCLUDE ACTUAL CONTRACTOR INVOICE PLUS NO MORE THAN 15% MARKUP. THE OWNER AND CONTRACTOR AGREE TO THE ABOVE CHANGE ORDER COST PROCEDURE, FOR BOTH ADDITIVE AND DEDUCTIVE CHANGE ORDERS.
18.	ALL PERSONNEL WORKING WITH ENERGIZED EQUIPMENT WITHIN THE RESTRICTED ZONE PER NFPA-70E SHALL COMPLY WITH ALL NFPA-70E AND OSHA REQUIREMENTS AND BE ARC FLASH SAFETY CERTIFIED.

ELECTRICAL ABBREVIATIONS			
Δ	DELTA CONNECTED	CR	CONTROL RELAY
Y	WYE CONNECTED	CT	CURRENT TRANSFORMER
0	PHASE	CU	COPPER
A	AMPERES	DC	DIRECT CURRENT
AC	ALTERNATING CURRENT	DISC	DISCONNECT
ACT	ABOVE COUNTERTOP/BACKSPLASH	DIST	DISTRIBUTION
AFF	ABOVE FINISHED FLOOR	(E)	EXISTING
AL	ALUMINUM	EC	ELECTRICAL CONTRACTOR
APPROX	APPROXIMATE	EL, ELEV	ELEVATION
AUTO	AUTOMATIC	ELECT	ELECTRICAL
AUX	AUXILIARY	EMT	ELECTRICAL METALLIC TUBING
ALT	ALTERNATE	EOL	END OF LINE
AWG	AMERICAN WIRE GAUGE	ENCL	ENCLOSURE
B	BARE	EP	EXPLOSION PROOF
BC	BARE COPPER GROUND	EQUIP	EQUIPMENT
BKBD	BACKBOARD	ETC	ET CETERA
BRKR	BREAKER	EVAP	EVAPORATOR
BLDG	BUILDING	(F)	FUTURE
C	CONDUIT OR CONTRACTOR	FA	FIRE ALARM
CAB	CABINET	FACP	FIRE ALARM CONTROL PANEL
CATV	CABLE TELEVISION	FLA	FULL LOAD AMPS
CKT	CIRCUIT	FLEX	FLEXIBLE
CLG	CEILING	FLUOR	FLUORESCENT
COMM	COMMUNICATION	FS	FLOW SWITCH
CONN	CONNECT	GALV	GALVANIZED
CONT	CONTINUATION OR CONTINUED	GND	GROUND
COORD	COORDINATE	GC	GENERAL CONTRACTOR
HI	HIGH	HI	HIGH
HV	HIGH VOLTAGE	HV	HIGH VOLTAGE
HVAC	HEATING, VENTILATION, AIR CONDITIONING	HVAC	HEATING, VENTILATION, AIR CONDITIONING
IDF	INTERMEDIATE DISTRIBUTION FRAME	IDF	INTERMEDIATE DISTRIBUTION FRAME
INCAN	INCANDESCENT	INCAN	INCANDESCENT
INST	INSTANTANEOUS	INST	INSTANTANEOUS
KV	KILOVOLTS	KV	KILOVOLTS
KVA	KILOVOLT AMPERES	KVA	KILOVOLT AMPERES
KW	KILOWATTS	KW	KILOWATTS
LB	ELBOW	LB	ELBOW
LF	LINEAR FEET	LF	LINEAR FEET
LV	LOW VOLTAGE	LV	LOW VOLTAGE
M	MOTOR	M	MOTOR
MAX	MAXIMUM	MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPS	MCA	MINIMUM CIRCUIT AMPS
MCC	MOTOR CONTROL CENTER	MCC	MOTOR CONTROL CENTER
MCM	THOUSAND CIRCULAR MILLS	MCM	THOUSAND CIRCULAR MILLS
MECH	MECHANICAL	MECH	MECHANICAL
MFG	MANUFACTURER	MFG	MANUFACTURER
MIN	MINIMUM	MIN	MINIMUM
MPOE	MAIN POINT OF ENTRY	MPOE	MAIN POINT OF ENTRY
MSB	MAIN SWITCHBOARD	MSB	MAIN SWITCHBOARD
N	NEUTRAL	N	NEUTRAL
(N)	NEW	(N)	NEW
NA	NON-AUTOMATIC	NA	NON-AUTOMATIC
NAC	NOTIFICATION APPLIANCE CIRCUIT	NAC	NOTIFICATION APPLIANCE CIRCUIT
NC	NORMALLY CLOSED	NC	NORMALLY CLOSED
NL	NIGHT LIGHT	NL	NIGHT LIGHT
OC	ON CENTER	OC	ON CENTER
OH	OVERHEAD	OH	OVERHEAD
OL	THERMAL OVERLOAD RELAY	OL	THERMAL OVERLOAD RELAY
OT	OVER TEMPERATURE	OT	OVER TEMPERATURE
OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT	OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
PA	PUBLIC ADDRESS	PA	PUBLIC ADDRESS
PB	PULL BOX	PB	PULL BOX
PNL	PANEL	PNL	PANEL
PH	PHASE	PH	PHASE
PRI	PRIMARY	PRI	PRIMARY
PS	PRESSURE SWITCH	PS	PRESSURE SWITCH
PWR	POWER	PWR	POWER
(R)	REMOVE(D)	(R)	REMOVE(D)
RA	REMOTE ANNUNCIATOR	RA	REMOTE ANNUNCIATOR
REQD	REQUIRED	REQD	REQUIRED
REQMTS	REQUIREMENTS	REQMTS	REQUIREMENTS
RGP	REDUNDANT GROUND PATH	RGP	REDUNDANT GROUND PATH
RM	ROOM	RM	ROOM
RECP	RECEPTACLE	RECP	RECEPTACLE
SCH	SCHEDULE	SCH	SCHEDULE
SEC	SECONDS, SECONDARY	SEC	SECONDS, SECONDARY
SIG	SIGNAL	SIG	SIGNAL
SPECS	SPECIFICATIONS	SPECS	SPECIFICATIONS
SW	SWITCH	SW	SWITCH
SWD	SWITCHED	SWD	SWITCHED
SP	SPARE	SP	SPARE
STD	STANDARD	STD	STANDARD
STR	STRANDED	STR	STRANDED
SWBD	SWITCHBOARD	SWBD	SWITCHBOARD
TEL	TELEPHONE	TEL	TELEPHONE
TEMP	TEMPERATURE	TEMP	TEMPERATURE
TH	THERMOSTAT	TH	THERMOSTAT
TRANSF	TRANSFORMER	TRANSF	TRANSFORMER
TYP	TYPICAL	TYP	TYPICAL
TSP	TWISTED SHIELDED PAIR	TSP	TWISTED SHIELDED PAIR
UG	UNDERGROUND	UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE	UNO	UNLESS NOTED OTHERWISE
V	VOLTS	V	VOLTS
VA	VOLT AMPS	VA	VOLT AMPS
VFD	VARIABLE FREQUENCY DRIVE	VFD	VARIABLE FREQUENCY DRIVE
VM	VOLT METER	VM	VOLT METER
W/	WITH	W/	WITH
W/O	WITHOUT	W/O	WITHOUT
WP	WEATHERPROOF	WP	WEATHERPROOF
WHD	WATT HOUR DEMAND METER	WHD	WATT HOUR DEMAND METER
WM	WATT METER	WM	WATT METER
WH	WATER HEATER	WH	WATER HEATER
XFMR	TRANSFORMER	XFMR	TRANSFORMER
(XR)	REMOVE AND RELOCATE(D)	(XR)	REMOVE AND RELOCATE(D)

ELECTRICAL COMPLIANCE NOTES	
THE INTENT OF THE DRAWINGS AND SPECIFICATION IS TO CONSTRUCT THE PROPOSED BUILDING IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THE FOLLOWING CODES AND REGULATIONS AS APPLICABLE:	
2022 CALIFORNIA ADMINISTRATIVE CODE (CAC)	PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
2022 CALIFORNIA BUILDING CODE (CBC)	PART 2, TITLE 24, CCR
2022 CALIFORNIA ELECTRICAL CODE (CEC)	BASED ON THE 2021 INTERNATIONAL BUILDING CODE (IBC)
2022 CALIFORNIA MECHANICAL CODE (CMC)	PART 3, TITLE 24, CCR
2022 CALIFORNIA FIRE CODE (CFC)	BASED ON THE 2020 NATIONAL ELECTRICAL CODE (NEC)
2022 CALIFORNIA PLUMBING CODE (CPC)	PART 4, TITLE 24, CCR
2022 CALIFORNIA FIRE CODE (CFC)	BASED ON THE 2021 UNIFORM MECHANICAL CODE (UMC)
2022 NFPA 72, NATIONAL FIRE ALARM & SIGNALING CODE	PART 5, TITLE 24, CCR
2022 NFPA 72, NATIONAL FIRE ALARM & SIGNALING CODE	BASED ON THE 2021 UNIFORM PLUMBING CODE (UPC)
2022 NFPA 72, NATIONAL FIRE ALARM & SIGNALING CODE	PART 9, TITLE 24, CCR
2022 NFPA 72, NATIONAL FIRE ALARM & SIGNALING CODE	BASED ON THE 2021 INTERNATIONAL FIRE CODE (IFC)
2022 NFPA 72, NATIONAL FIRE ALARM & SIGNALING CODE	W/ CALIFORNIA AMENDMENTS.
UNLESS OTHERWISE STATED, IT IS INTENDED THAT THE ABOVE CODES AND REGULATIONS REFER TO THE LATEST EDITION OR REVISION IN EFFECT ON THE DATE OF THE CONTRACT. NOTHING ON THE DRAWING IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK THAT IS CONTRARY TO THE ABOVE LISTED CODES AND REGULATIONS, OR OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS WHICH MAY BE APPLICABLE.	



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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122154 INC:
REVIEWED FOR:
SS FLS ACS
DATE: 3/5/2024

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David J. Starck
architect
c.22908

allan v. stevenson
civil engineer
roc 67758



PROJECT TITLE:
SYLVAN UNION SCHOOL DISTRICT
CROSSROADS ELEMENTARY SCHOOL
(2) NEW PORTABLE CLASSROOMS
5800 Sakon Way
RIVERBANK, CA 95367

SHEET TITLE:
ELECTRICAL COVER SHEET

REVISIONS:

BY: CGM/KP
LIST: SYLVAN
DATE: 01/04/2024
JOB: 25M045

SHEET: **EO.1**

02/26/24 10:22:46 AM F:\24\060 SUBD PORTABLES AT VARIOUS\ENGR\SHEETS\060_ED.2 FIRE ALARM DETAILS.DWG cmeoedz

FIRE ALARM INSTALLATION NOTES

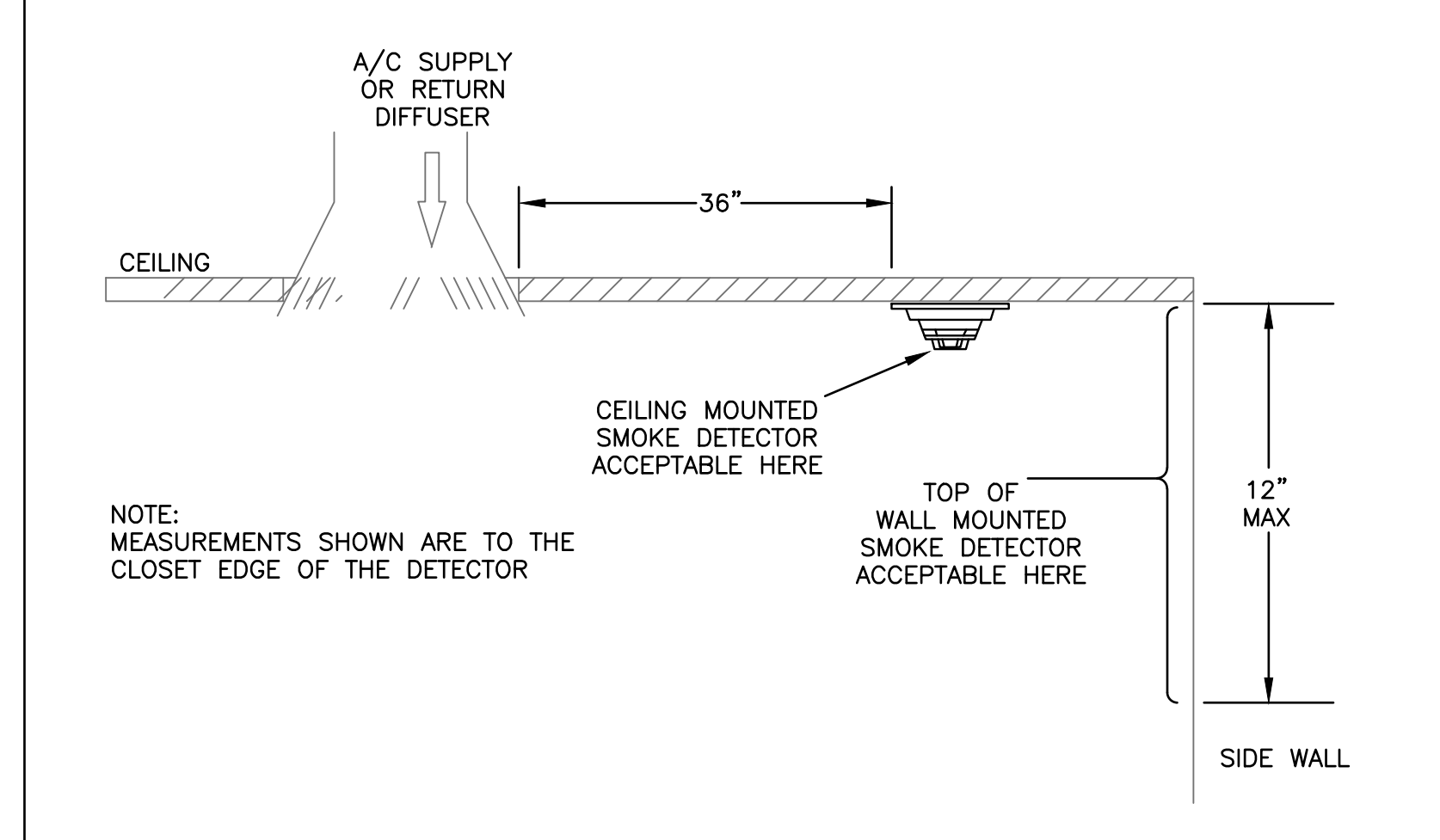
- THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRICAL CODE.
- UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE PERFORMED IN THE PRESENCE OF THE DSA INSPECTOR OF RECORD & LOCAL FIRE AUTHORITY.
- ALL DRAWINGS ARE DIAGRAMMATICAL.
- ON FACTORY PROVIDED BACK BOXES, NO ENLARGEMENTS TO THE STANDARD KNOCKOUTS SHALL BE MADE. NOR MAY THE INSTALLER ATTACH CONDUIT TO A NON-FACTORY PROVIDED KNOCKOUT WITHOUT THE EXPRESS WRITTEN CONSENT OF THE MANUFACTURER.
- ALL FIRE ALARM DATA COMMUNICATIONS, AND INITIATING CIRCUITS SHALL BE INSTALLED UTILIZING SOLID COPPER CONDUCTORS OF A SIZE AS PER SPECIFICATIONS OR THE LOCAL ENFORCING AGENCY, WHICHEVER IS MORE STRINGENT SHALL APPLY.
- ALL FIRE ALARM CIRCUITS ARE CONTINUOUS FROM DEVICE TO DEVICE, SPLICES ARE NOT ALLOWED UNLESS IN COVERED JUNCTION BOXES ON APPROVED TERMINAL BLOCKS.
- COLOR CODING SHALL BE AS FOLLOWS:

A. INITIATING CIRCUITS (CONVENTIONAL SYSTEMS ONLY) I.E. MANUAL PULL STATIONS, DETECTOR.	{ +ORANGE -WHITE
B. WATER FLOW SWITCHES, ETC. INDICATING CIRCUITS I.E. BELLS, HORNS, STROBE UNITS, ETC.	{ +RED -BLACK
C. POWER FOR AUXILIARY DEVICES I.E. DOOR HOLDERS, 4-WIRE SMOKE DETECTORS POWER, REMOTE RELAYS, DAMPERS, EXHAUST FANS, ETC.	{ +BLUE -BLACK
D. ANNUNCIATION DEVICES I.E. REMOTE LAMPS, ANNUNCIATORS, ETC.	{ +PURPLE -BLACK
- CABLING REQUIREMENTS:
 - ALL CONDUCTORS SHALL BE TYPE THWN #14 -AMERICAN WIRE GAUGE. THWN INSULATION TYPE (MOISTURE & HEAT RESISTANT THERMOPLASTIC) SUITABLE FOR DRY & WET LOCATIONS
 - ALL CONDUCTORS SHALL BE SOLID COPPER; STRANDED CONDUCTORS ARE PROHIBITED.
 - ALL CONDUCTORS SHALL BE BRADY OR EQUALLY LABELED.
 - ALL CONDUCTORS SHALL BE INSTALLED IN CONDUIT -NO OPEN WIRING.
- IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO MAINTAIN AND UPDATE HIS CONSTRUCTION DRAWINGS WITH A HIGH DEGREE OF ACCURACY. MANUFACTURER/CONTRACTOR WILL PROVIDE RECORD DRAWINGS FOR THE PROJECT BASED ON THE INFORMATION CONTAINED THEREIN.
- FIRE ALARM CONTRACTOR TO VERIFY THAT AUDIBLE FIRE ALARM SOUND LEVEL SHALL BE AT LEAST 15dBA ABOVE AVERAGE AMBIENT SOUND LEVEL IN ALL OCCUPIABLE AREAS NFPA 72 SEC. 18.4.4.1.
- FIRE ALARM CONTRACTOR SHALL PROVIDE A RECORD OF COMPLETION AFTER COMPLETION OF OPERATIONAL ACCEPTANCE TESTS.
- POWER CIRCUITS SHALL BE ON A DEDICATED BRANCH CIRCUIT WITH RED MARKING, WITH LOCK OUT DEVICE, AND IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL".
- STROBES SHALL FLASH AT A RATE NOT EXCEEDING TWO FLASHES PER SECOND AND NOT LESS THAN ONE FLASH PER SECOND.
- AUDIBLE SIGNALS INTENDED FOR OPERATION IN THE PUBLIC MODE SHALL HAVE A SOUND LEVEL OF NOT LESS THAN 75dBA AT 10 FEET AND NO MORE THAN 110dBA AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE PER CEC 3501.1.
- FINAL FIRE ALARM TESTS SHALL BE CONDUCTED WITH DSA INSPECTOR OF RECORD PRESENT. THE LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF THE DATE AND TIME OF THE FINAL TESTING AND SHALL ASSIST/WITNESS SUCH TESTING WE ABLE.
- THE AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72, AND AS AMENDED BY ARTICLE 91. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UJUS BY UL OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011.
- 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.
- A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
- 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.
- DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.
- 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.
- THE ENTIRE LENS OF WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL OCCUR BETWEEN +80" MINIMUM AND +96" MAXIMUM FROM FINISHED FLOOR.
- WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THEN 6" TO A HORIZONTAL STRUCTURE.
- AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN, EXCEPT CARBON MONOXIDE ALARM, WHICH SHALL BE TEMPORAL CODE 4 PATTERN.
- THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.

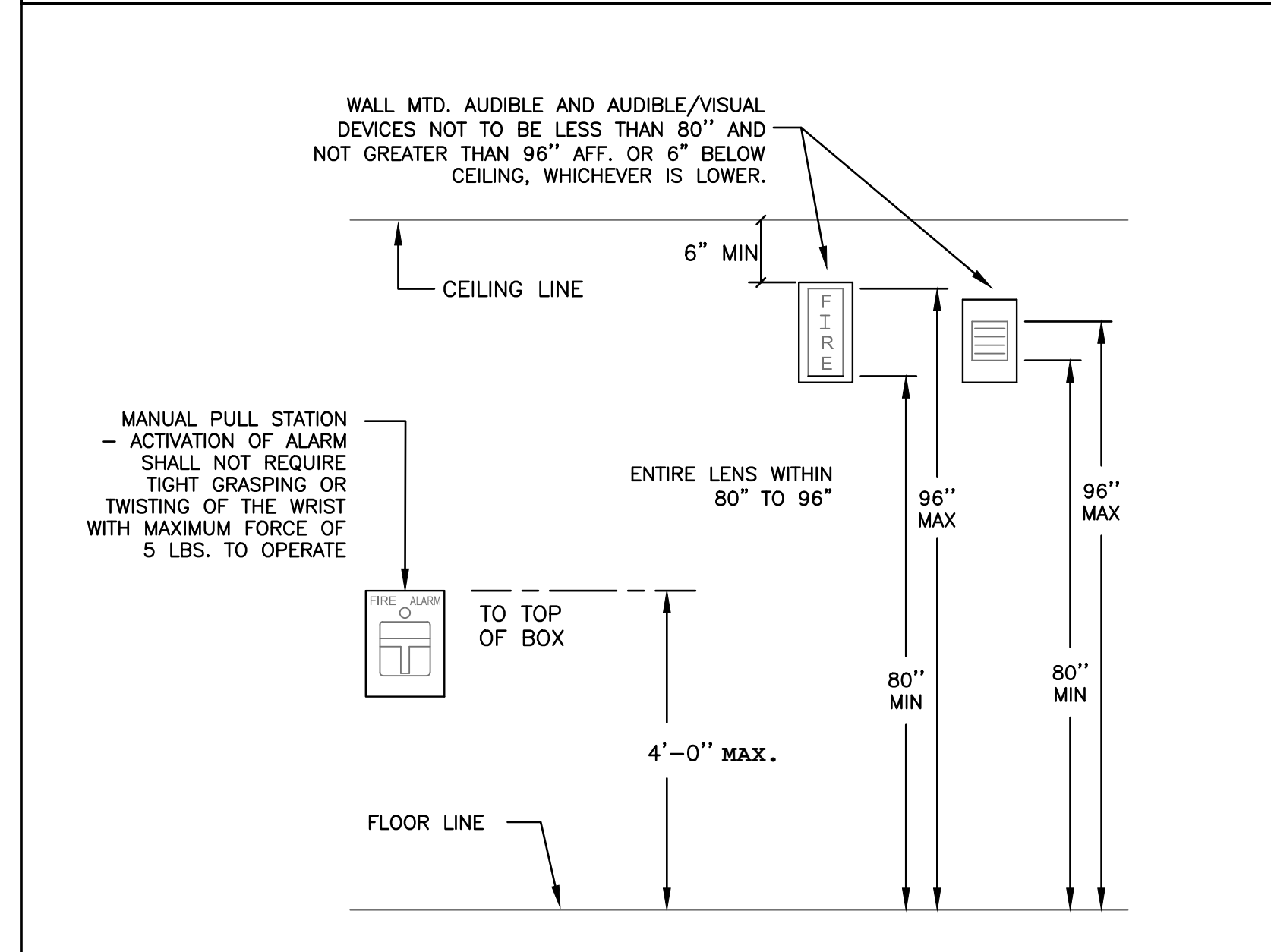
FIRE ALARM INSTALLATION NOTES (CONTINUED)

- UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
- ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.
- 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.
- 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.
- ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILINGS, 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 PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
- THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD OF COMPLETION" PER NFPA 72, FIGURE 7.8.2(a).
- FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.
- MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE WITH CBC SECTIONS 11B-305 AND 11B-308.
- THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
- SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
- OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.

PROPER MOUNTING FOR SMOKE DETECTORS



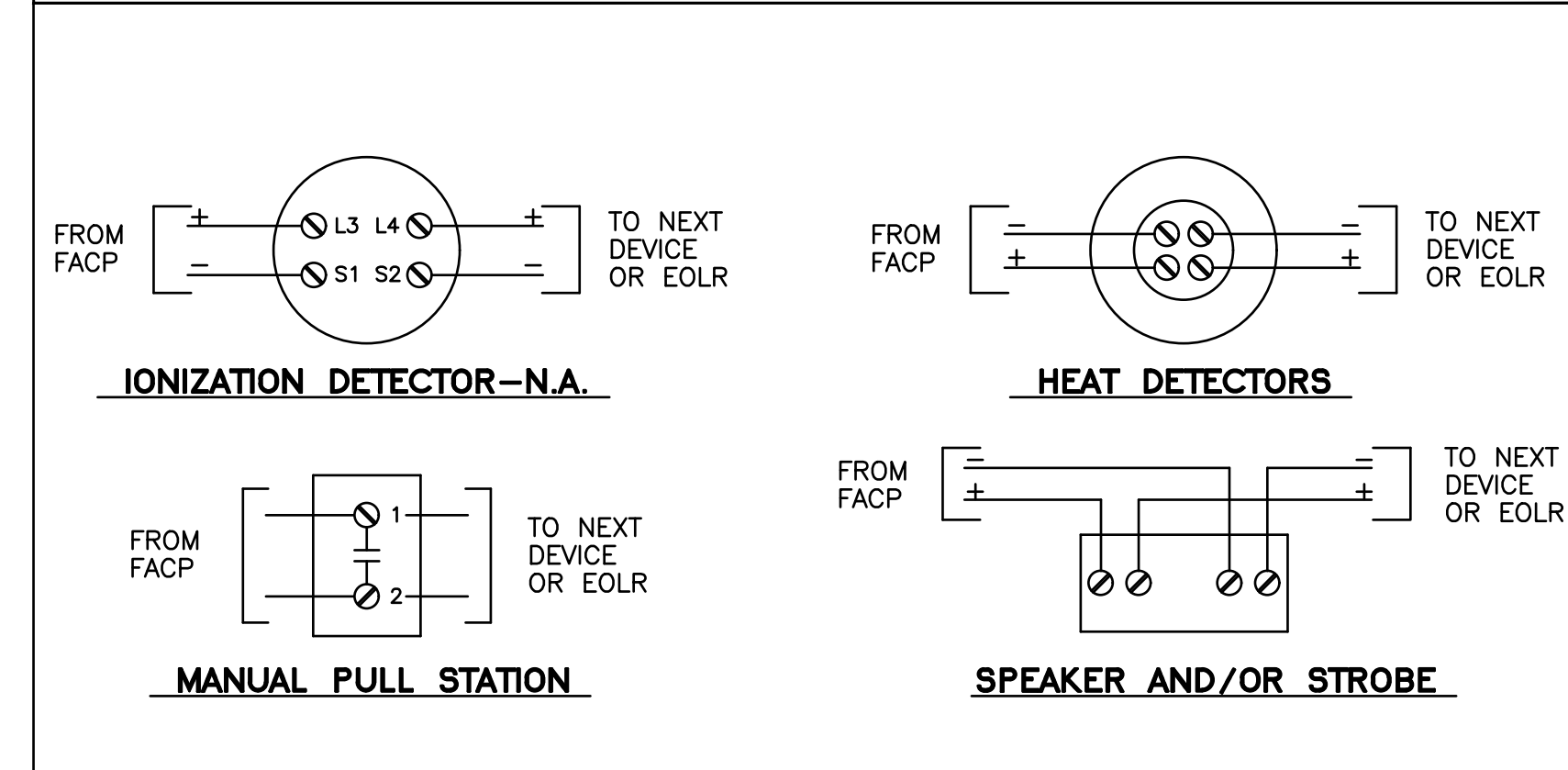
DEVICE ELEVATION DETAIL



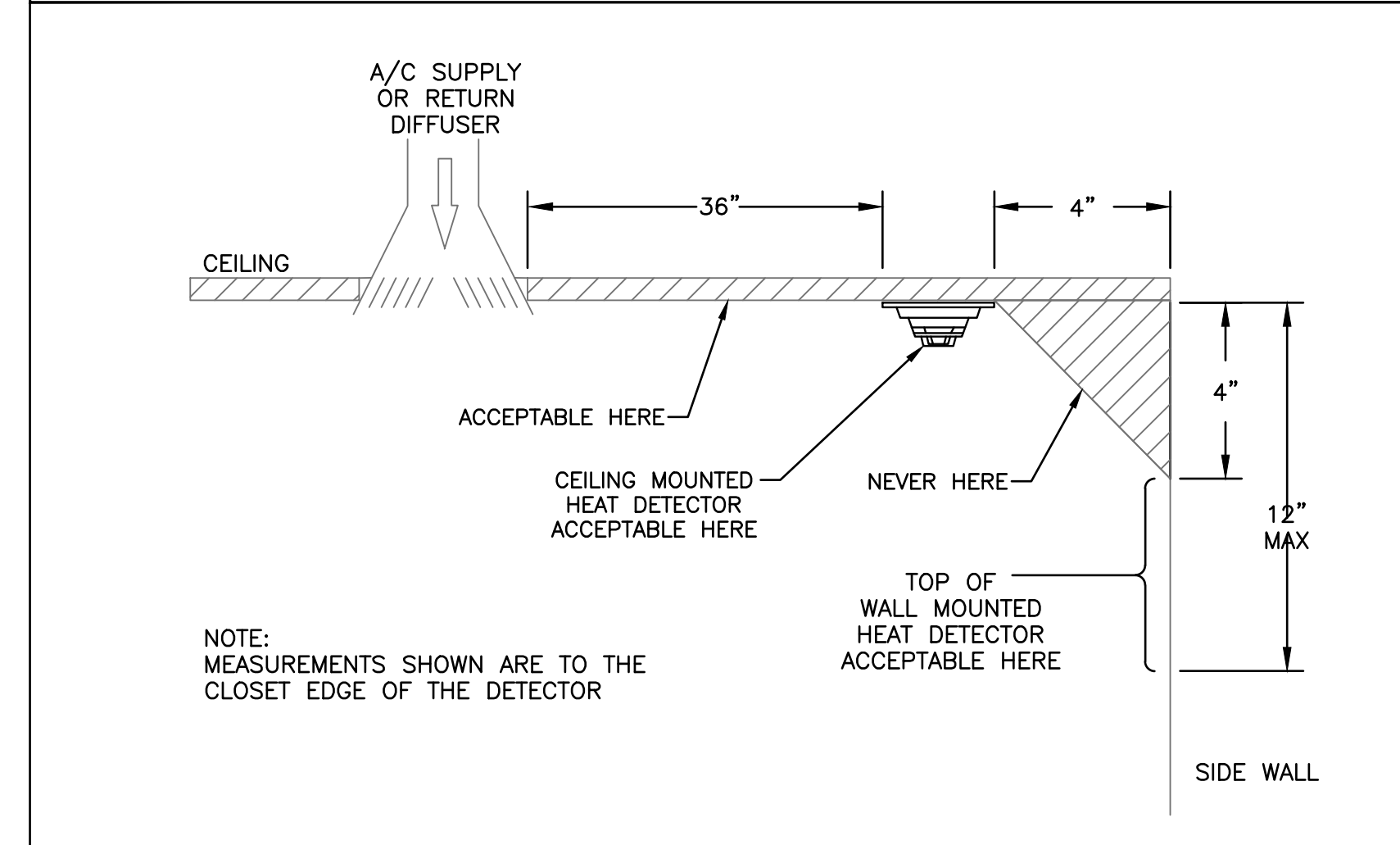
SYSTEM OPERATIONAL MATRIX

DEVICE	ACTUATE COMMON ALARM SIGNAL INDICATOR LED	ACTUATE AUDIBLE ALARM SIGNAL PIEZO SOUNDER	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR LED	ACTUATE AUDIBLE SUPERVISORY SIGNAL PIEZO SOUNDER	ACTUATE COMMON TROUBLE SIGNAL INDICATOR LED	ACTUATE AUDIBLE TROUBLE SIGNAL PIEZO SOUNDER	TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	ACTUATE AUDIBLE/VISUAL SIGNAL	SHUTDOWN DOWN HVAC WITHIN AREA	ACTUATE ANNUNCIATOR ALARM SIGNAL	ACTUATE ANNUNCIATOR SUPERVISORY SIGNAL INDICATOR	ACTUATE ANNUNCIATOR TROUBLE SIGNAL	SOUND TEMPORAL CODE 4, & SOUNDER AS DETECTOR BASE.
AREA HEAT DETECTOR	X	X					X			X		X			
AREA SMOKE DETECTOR	X	X					X			X		X			
FIRE ALARM SYSTEM AC POWER FAILURE					X	X			X						X
FIRE ALARM SYSTEM LOW BATTERY					X	X			X						X
OPEN CIRCUIT					X	X			X						X
GROUND FAULT					X	X			X						X
NOTIFICATION APPLIANCE CIRCUIT SHORT					X	X			X						X

WIRING DIAG. & SYSTEM MATRIX



PROPER MOUNTING FOR HEAT DETECTORS



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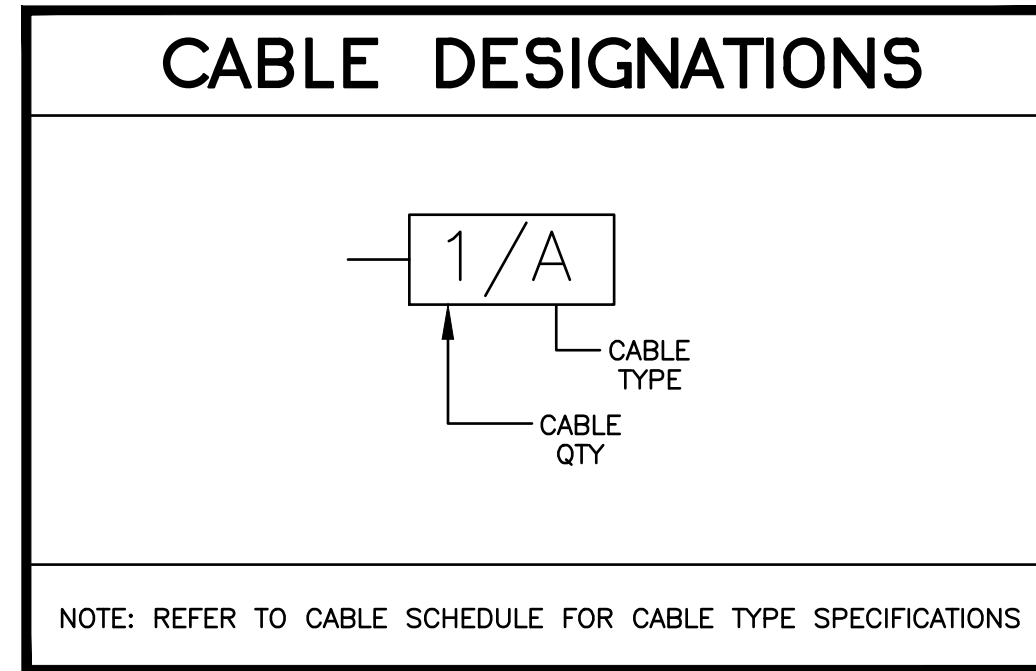
PROJECT TITLE:
SYLVAN UNION SCHOOL DISTRICT
CROSSROADS ELEMENTARY SCHOOL
(2) NEW PORTABLE CLASSROOMS
5800 Sakon Way
RIVERBANK, CA 95367

SHEET TITLE:
REVISIONS:

BY : CCM/KP
LIST : SYLVAN
DATE : 01/04/2024
JOB : 23M045
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WIRE/CABLE COLOR CODING

CIRCUIT TYPE	THHN/THWN WIRE		NON-CONDUIT CABLE		
	+	-	JACKET	+	-
IDC	RED	BLACK	RED	RED	BLACK
SLC	N/A	N/A	RED	RED	BLACK
24V	RED	BLACK	RED	RED	BLACK
DOOR HOLDERS	PINK	PURPLE	RED	RED	BLACK
NAC (2-WIRE)					
HORN/STROBE	WHITE	BLUE	RED	RED	BLACK
NAC (4-WIRE)					
HORN/STROBE	WHITE	BLUE	RED	RED	BLACK
	YELLOW	BROWN	BROWN	BROWN	BLUE

NOTE:
 1: ALL WIRES AND CABLES SHALL BE TAPED INTO PAIRS AND TAGGED WITH THEIR RESPECTIVE CIRCUIT DESIGNATION AT EACH J-BOX, OUTLET BOX AND AT EACH END BY THE INSTALLING CONTRACTOR, PRIOR TO DEVICE TERMINATIONS.
 2: NOT ALL CABLES ARE USED ON ALL JOBS.

MISCELLANEOUS SYMBOLS AND ABBREVIATIONS

SYM./ABBREV.	PART #	DESCRIPTION	SYM./ABBREV.	PART #	DESCRIPTION
⊙	(FBO)	JUNCTION BOX	EOLR		END-OF-LINE RELAY
STB	(FBO)	SIGNAL TERMINAL BACKBOARD	(FBEC)		FURNISHED BY ELECTRICAL CONTRACTOR
FTC	(FBO)	FIRE TERMINAL CABINET	(FBFS)		FURNISHED BY FIRE SPRINKLER CONTRACTOR
+	(FBO)	2#12, 1#12G THHN/THWN IN CONDUIT	(FBMC)		FURNISHED BY MECHANICAL CONTRACTOR
⬡	(FBO)	MECHANICAL UNIT	(FBO)		FURNISHED BY OTHERS
⊠	(FBO)	UNDERGROUND PULLBOX	FSR		FIRE SPRINKLER RISER
⊠(X)	N/A	FUSE/FUSE BLOCK (X = AMPERAGE)	IDC		INITIATING DEVICE CIRCUIT (HARDWIRED INITIATION CIRCUIT/ZONE)
120V	N/A	END-OF-LINE RESISTOR	(N)		NEW
120V	N/A	120VAC POWER	N/A		NOT APPLICABLE
AF	N/A	ABOVE FINISHED FLOOR	NAC		NOTIFICATION APPLIANCE CIRCUIT (SIGNALLING CIRCUIT)
C, COM	N/A	COMMON	NC		NORMALLY CLOSED
(E)	N/A	EXISTING	NO		NORMALLY OPEN
EOL	N/A	END-OF-LINE RESISTOR	PIV		POST INDICATOR VALVE
			SLC		SIGNALING LINE CIRCUIT (ADDRESSABLE INITIATION LOOP)
			TYP		TYPICAL
			UON		UNLESS OTHERWISE NOTED
			Z		ZONE

CABLE SCHEDULE

TYPE	DESCRIPTION	USE
CABLES INSTALLED IN CONDUIT		
A	WEST PENN D980 (2#18 SOL, UTP, FPLR)	SLC (ADDRESSABLE LOOP) INTERIOR
AE	WEST PENN AQC224 (2#18 SOL, UTP, FPL)	SLC (ADDRESSABLE LOOP) EXTERIOR
B	WEST PENN D994S (2#14 SOL, UTP, FPLR)	NAC (SIGNALLING CIRCUIT) INTERIOR
BW	WEST PENN AQC226 (2#14 SOL, UTP, FPL)	NAC (SIGNALLING CIRCUIT) EXTERIOR
C	WEST PENN D990S (2#16 SOL, UTP, FPLR)	SPEAKER INTERIOR
CW	WEST PENN AQC225 (2#16 SOL, UTP, FPL)	SPEAKER EXTERIOR
F	8 STRAND FIBER OPTIC CABLE 62.5um MULTI-MODE	FIBER OPTIC CABLE NETWORK
P	WEST PENN 990S	SUPERVISED POWER INTERIOR
PW	WEST PENN AQC225 (2#16 SOL, UTP, FPL)	SUPERVISED POWER EXTERIOR
M	WEST PENN D994S (2#14 SOL, UTP, FPLR)	MONITOR WIRING
N	2#14 THHN/THWN SOL	NAC (SIGNALLING CIRCUIT)

CABLE DESCRIPTION ABBREVIATIONS

ABBREV.	DEFINITION	ABBREV.	DEFINITION	ABBREV.	DEFINITION
FPL	FIRE ALARM POWER-LIMITED	OS	OVERALL SHIELDED CABLE	STP	SHIELDED TWISTED PAIR
FPLP	FIRE ALARM POWER-LIMITED, PLENUM	SOL	SOLID CONDUCTOR	US	UNSHIELDED CABLE
FPLR	FIRE ALARM POWER-LIMITED, RISER	STR	STRANDED CONDUCTOR	UTP	UNSHIELDED TWISTED PAIR

FIRE ALARM SYSTEM EQUIPMENT LIST

SYMBOL	PART #	DESCRIPTION	MANUFACTURER	CSFM #	BACKBOX*		
					MOUNTING	SIZE*	TRIM RING*
⊠	DESIGO FCM2041-U2 FCA2015-U1 LVM CC-5 (x2) MLC (x4) XDLC ZIC-4A NIC-C ZAC-40 DAC-NET LPB PSC-12M PSX-12M CAB-BATT	MAIN FIRE ALARM CONTROL PANEL W/VOICE DESIGO OPERATOR INTERFACE DIALER MODULE (DACT) LIVE VOICE MASTER MICROPHONE INNER DOOR CARDGAGE (5 SLOTS) FOR ALL CARDS BACKBOX MXL LINE CARD FOR XLS FIELD DEVICE INTERFACE CARD 4 NAC ZONES NETWORK INTERFACE CARD - H-NET,OR X-NET ZAC-40 ZONE AMP CARD-40WATT @ 25V DIGITAL AUDIO CARD LOCAL PAGE BOARD MOUNTS ON DAC-NET 12A AT 24VDC PWR SUPP W CHARGER 12A AT 24VDC PWR SUPP NO CHRGR ENCLOSURE FOR 100AH BATTERIES	SIEMENS	7165-0067:0222 6912-0067:0237	EXISTING	MFG. BOX	N/A
⊠	DESIGO REMBOX4 SSD-C-REM LVM	REMOTE ANNUNCIATOR LARGE REMOTE LOBBY ENCLOSURE REMOTE LCD DISPLAY W CONTROL LIVE VOICE MASTER MICROPHONE	SIEMENS	7165-0067:0222 6912-0067:0237	SURFACE	MFG. BOX	N/A
⊠	PAD-3	NAC EXPANDER/POWER SUPPLY	SIEMENS	7300-0067:0218	EXISTING	MFG. BOX	N/A
⊠	XTRI-R	RELAY MODULE	SIEMENS	7300-0067:0501	SURFACE	4" SQ DP	N/A
⊠	XTRI-M	INPUT MODULE	SIEMENS	7300-0067:0501	SURFACE	4" SQ DP	N/A
⊠	FDOT421 DB-11	SMOKE DETECTOR SENSOR BASE	SIEMENS SIEMENS	7272-0067:0258 7272-0067:0134	FLUSH	4" SQ DP	4-0
⊠	5604	HEAT DETECTOR (190degF FIXED) ATTIC MOUNTED	SYSTEM SENSOR	7270-1653:0167	FLUSH	4" SQ DP	4-0
⊠	SL2SPWR-F	INDOOR WALL SPEAKER/STROBE ##cd= DENOTES CANDELA RATING & #.#w DENOTES WATTAGE SETTING)	SIEMENS	7320-0067:0517	FLUSH	4" SQ DP	N/A
⊠	SETSF-VR w/WBBS-R	OUTDOOR SPEAKER DEVICE (#.#w DENOTES WATTAGE SETTING)	SIEMENS	7320-0067:0255	SURFACE	MFG. BOX	N/A

* NOTES:
 1. ALL REQUIRED BACKBOXES, TRIM RINGS, ENCLOSURES, COVER PLATES, ETC. ARE TO BE PROVIDED AND INSTALLED BY CONTRACTOR UNLESS SPECIFICALLY NOTED ABOVE.
 2. ANY DEVIATION FROM LISTED EQUIPMENT SHALL BE APPROVED BY THE OWNER PRIOR TO "ROUGH-IN".

FACP BATTERY CALCS.

MODULE/DEVICE	QUAN.	STAND-BY LOAD	ALARM LOAD	STAND-BY LOAD	ALARM LOAD
MAIN PANEL					
FCM2041-U2	1	125.0 mA	125.0 mA	125.0 mA	125.0 mA
FCA2015-U1	1	33.5 mA	43.5 mA	33.5 mA	43.5 mA
LVM	1	65.0 mA	65.0 mA	65.0 mA	65.0 mA
MLC	4	120.0 mA	360.0 mA	480.0 mA	1440.0 mA
XDLC	1	100.0 mA	100.0 mA	100.0 mA	100.0 mA
ZIC-4A	1	85.0 mA	170.0 mA	85.0 mA	170.0 mA
NIC-C	1	120.0 mA	120.0 mA	120.0 mA	120.0 mA
ZAC-40	1	150.0 mA	1200.0 mA	150.0 mA	1200.0 mA
DAC-NET	1	230.0 mA	230.0 mA	230.0 mA	230.0 mA
LPB	1	50.0 mA	50.0 mA	50.0 mA	50.0 mA
PSC-12M	1	150.0 mA	150.0 mA	150.0 mA	150.0 mA
PSX-12M	1	150.0 mA	150.0 mA	150.0 mA	150.0 mA
REMOTE ANNUNCIATOR					
SSD-C-REM	1	200.0 mA	200.0 mA	200.0 mA	200.0 mA
LVM	1	65.0 mA	65.0 mA	65.0 mA	65.0 mA
DEVICES					
XDLC DEVICES	25	1.0 mA	8.0 mA	25.0 mA	200.0 mA
MXL DEVICES	4	180.0 mA	180.0 mA	720.0 mA	720.0 mA
TOTAL = 2748.5 mA 6411.5 mA					
(E) DEVICES					
CKT 1	1	0.0 mA	55.0 mA	0.0 mA	55.0 mA
CKT 2	1	0.0 mA	789.0 mA	0.0 mA	789.0 mA
CKT 3	1	0.0 mA	539.0 mA	0.0 mA	539.0 mA
TOTAL = 1383.0 mA					
24hrs. IN STANDBY	24hr	(2.749 A) =	65.964 AH		
15mins. ALARM	0.250hr	(6.412 A) =	1.603 AH		
		SUBTOTAL =	67.567 AH		
		AT 125% =	84.459 AH		
PRESENT PWR SUPPLY: 100.0 AH (SEALED)					
FUTURE CAPACITY IS: 15.54 AH					

NAC BATTERY CALCS.

MODULE/DEVICE	QUAN.	STAND-BY LOAD	ALARM LOAD	STAND-BY LOAD	ALARM LOAD
CONTROL PANEL					
	1	15.0 mA	140.0 mA	15.0 mA	140.0 mA
(N) DEVICES					
COMBO 75cd	8	0.0 mA	60.0 mA	0.0 mA	480.0 mA
TOTAL = 15.0 mA 620.0 mA					
24hrs. IN STANDBY	24hr	(0.015 A) =	0.360 AH		
15mins. ALARM	0.250hr	(0.620 A) =	0.155 AH		
		SUBTOTAL =	0.515 AH		
		AT 125% =	0.644 AH		
PRESENT PWR SUPPLY: 7.00 AH (SEALED)					
FUTURE CAPACITY IS: 6.36 AH					

VOLTAGE DROP

CIRCUIT: S1

VOLTAGE: 24.0 V
 TOTAL V.D.: 0.615 V
 % DROP: 2.56%

NODE	CURRENT	CABLE LENGTH (x2)	AWG	CIRC. M.	OHM/FT	V.D.
1	0.360 A	80'	14	4110	0.00267	0.077 V
2	0.300 A	224'	14	4110	0.00267	0.179 V
3	0.240 A	224'	14	4110	0.00267	0.144 V
4	0.180 A	224'	14	4110	0.00267	0.108 V
5	0.120 A	224'	14	4110	0.00267	0.072 V
6	0.060 A	224'	14	4110	0.00267	0.036 V

VOLTAGE DROP

CIRCUIT: S2

VOLTAGE: 24.0 V
 TOTAL V.D.: 0.110 V
 % DROP: 0.46%

NODE	CURRENT	CABLE LENGTH (x2)	AWG	CIRC. M.	OHM/FT	V.D.
1	0.120 A	216'	14	4110	0.00267	0.069 V
2	0.060 A	256'	14	4110	0.00267	0.041 V

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PROJECT TITLE:
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 CROSSROADS ELEMENTARY SCHOOL
 (2) NEW PORTABLE CLASSROOMS
 5800 Sakon Way
 RIVERBANK, CA 95367

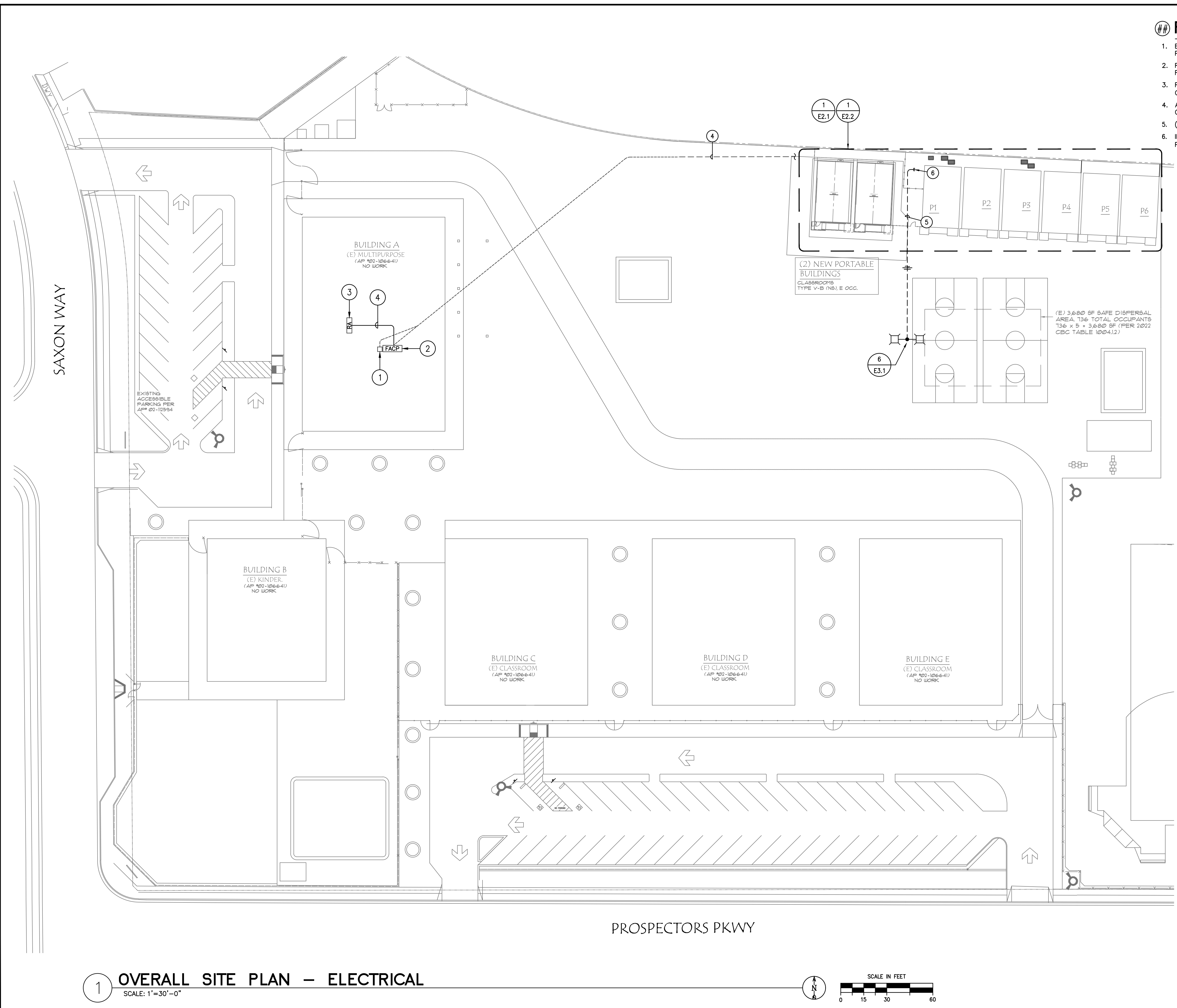
SHEET TITLE:
FIRE ALARM SYSTEMS AND SCHEDULES
 REVISIONS:



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BY : CCM/KP
 LIST : SYLVAN
 DATE : 01/04/2024
 JOB : 25M045
 SHEET : **EO.3**

02/26/24 10:22:55 AM F:\24\060 SUSD PORTABLES AT VARIOUS\ENGR\SHEETS\060_E1.0 OVERALL SITE PLAN - CROSSROADS.DWG cmendez



- ## PLAN NOTES:**
1. BOGEN MC200 HEADEND -CONNECT (N) SPEAKERS WITHIN (N) PORTABLES.
 2. REPLACE INTERNAL COMPONENTS AT (E) FACP LOCATION -SEE FIRE ALARM RISER DIAGRAM FOR SCOPE OF WORK.
 3. REPLACE (E) REMOTE ANNUNCIATOR AT MAIN OFFICE AREA TO BE COMPARABLE W/(N) FACP MAINBOARD & W/MICROPHONE.
 4. APPROXIMATE ROUTING OF COMMUNICATION PATHWAYS -INSTALL (N) CABLES AS REQD.
 5. (N) 3/4" W/#10AWG CONDUCTORS -INSTALL PER 5/E3.1.
 6. INSTALL (N) 20A-1P BREAKER AT (E) PANEL & LABEL AS "POLE LT PLAYGROUND" -INSTALL (N) RMC RISER INTO BOTTOM OF PANEL.

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 REVIEWED FOR:
 SS FLS ACS
 DATE: 3/5/2024

skw & associates
 architecture • engineering • surveying
 2257 scenic drive, modesto, ca 95355 p. 209-529-7804 f. 209-529-7804

• david j. starck
 architect
 c.22908

• allan v. stevenson
 civil engineer
 roc 67758



PROJECT TITLE:
 SYLVAN UNION SCHOOL DISTRICT
 CROSSROADS ELEMENTARY SCHOOL
 (2) NEW PORTABLE CLASSROOMS
 5800 Saxon Way
 RIVERBANK, CA 95367

SHEET TITLE:
OVERALL SITE PLAN - ELECTRICAL

REVISIONS:



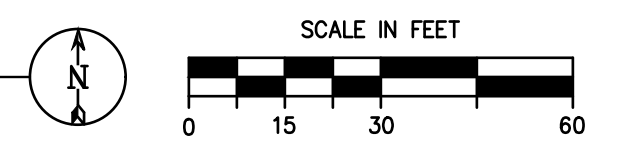
PEZZONI ENGINEERING, INC.
 CONSULTING ELECTRICAL ENGINEERS
 1150 9th Street, Suite #1415 Modesto, CA 95354
 PHONE: 209-554-4602
 HTTP://WWW.PEZZONI.COM

BY: CCM/KP
 LIST: SYLVAN
 DATE: 01/04/2024
 JOB: 25M045

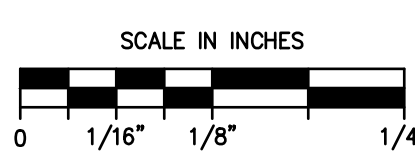
SHEET: **E1.0**

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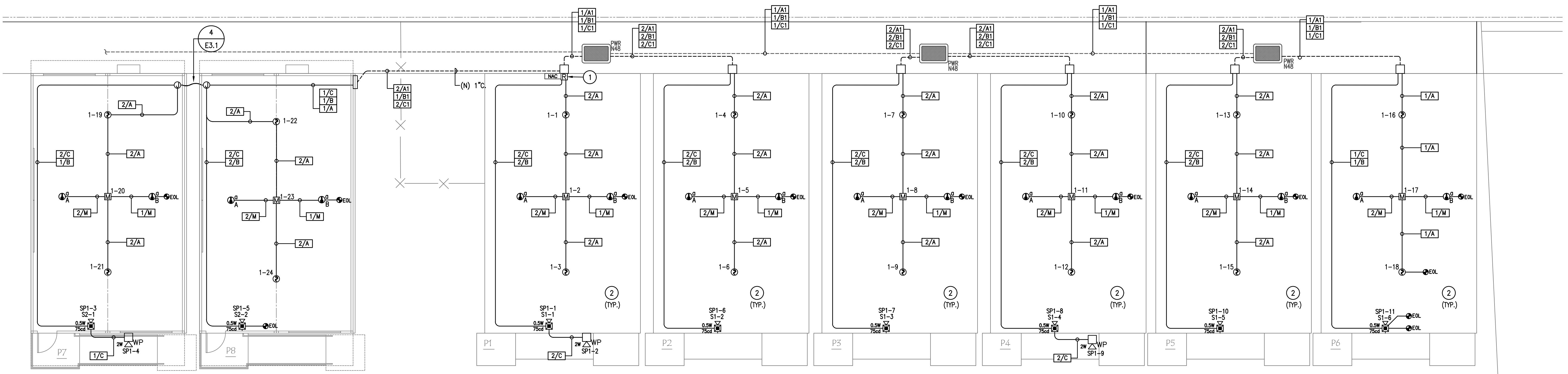
1 OVERALL SITE PLAN - ELECTRICAL
 SCALE: 1"=30'-0"



02/26/24 10:23:00 AM F:\24\060 SUSD PORTABLES AT VARIOUS\ENGR\SHEETS\060_E2.0 FLOOR PLAN - CROSSROADS.DWG cmendez
 THE CONTRACTOR SHALL CHECK ALL DIMENSIONS AT THE JOB AND SHALL BE RESPONSIBLE FOR ANY DISCREPANCIES BETWEEN THE DIMENSIONS OF THE ACTUAL WORK AND THOSE SHOWN IN THE DOCUMENTS.
 NO ARCHITECT-APPROVED POINT DRAWINGS. THE CONTRACTOR SHALL ALSO BE SOLELY RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND EQUIPMENT CALLED FOR TO PROPERLY COMPLETE THE WORK.

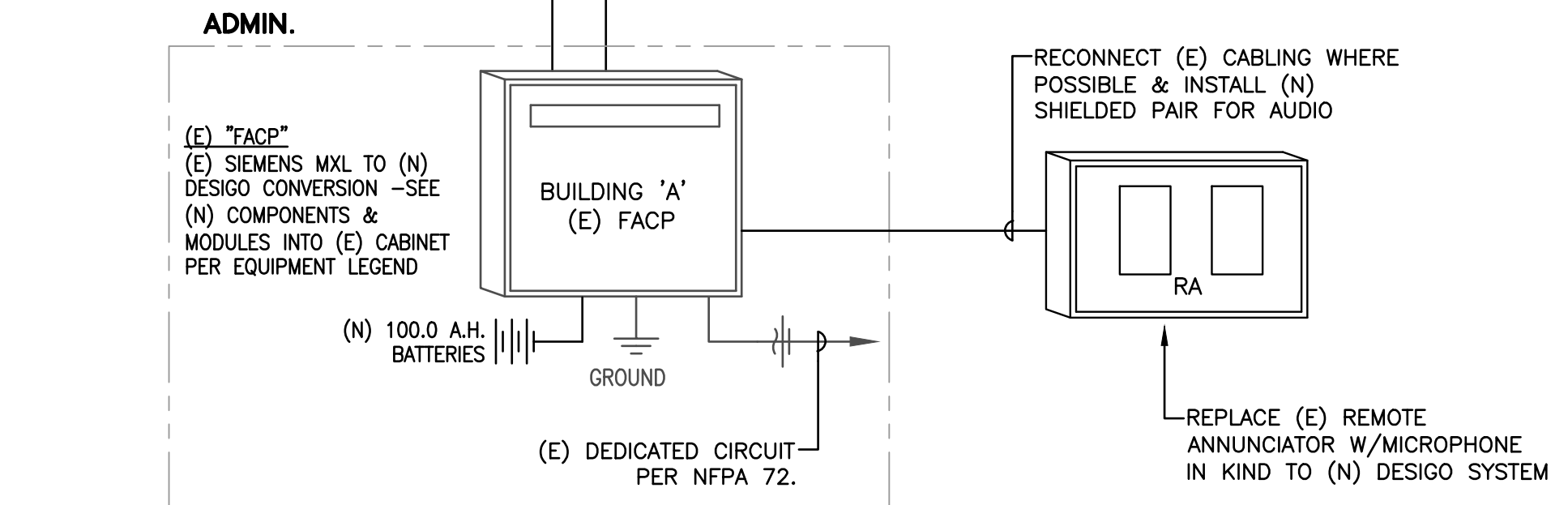
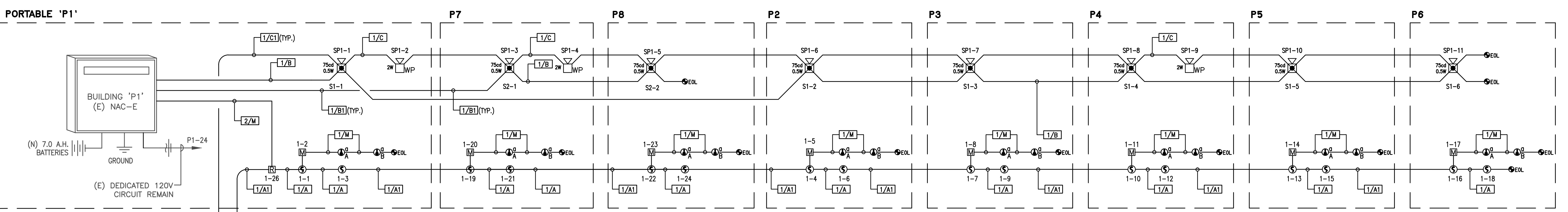


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 DIV. OF THE STATE ARCHITECT
 APP: 02-122154 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 3/5/2024



1 PORTABLES FLOOR PLAN – FIRE ALARM
 SCALE: 1/8"=1'-0"

- ## PLAN NOTES:**
- STUB (N) CONDUIT INTO (N) J-BOX & EXTEND (N) 1" C TO (N) PORTABLES SHOWN.
 - REPLACE (E) FIRE ALARM DEVICES IN KIND W/(N) SHOWN
-RETURN (E) DEVICES TO DISTRICT FOR STOCK SPARE.



2 FIRE ALARM RISER DIAGRAM
 SCALE: NTS

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david j. stark
 architect
 c.2008

allan v. stevenson
 civil engineer
 reg. 6728



PROJECT TITLE :
 SYLVAN UNION SCHOOL DISTRICT
 CROSSROADS ELEMENTARY SCHOOL
 (2) NEW PORTABLE CLASSROOMS
 5800 Saxon Way
 RIVERBANK, CA 95567

SHEET TITLE :
PORTABLE FLOOR PLAN – FIRE ALARM

REVISIONS :

BY : CCM/KP
 LIST : SYLVAN
 DATE : 01/04/2024
 JOB : 25M045

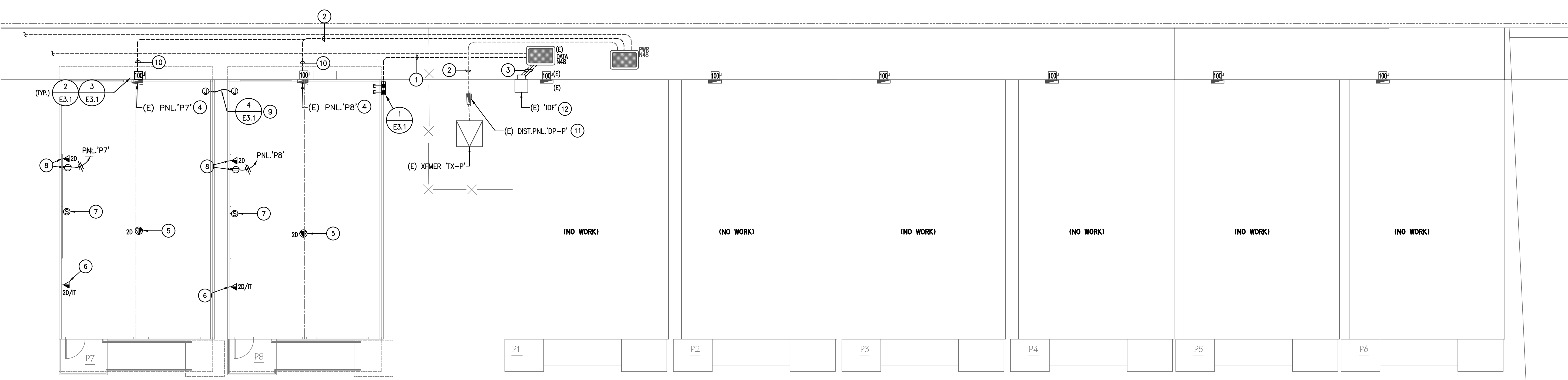
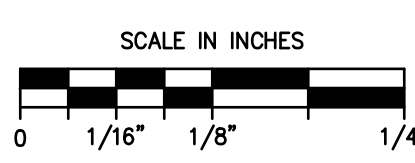
SHEET : **E2.1**



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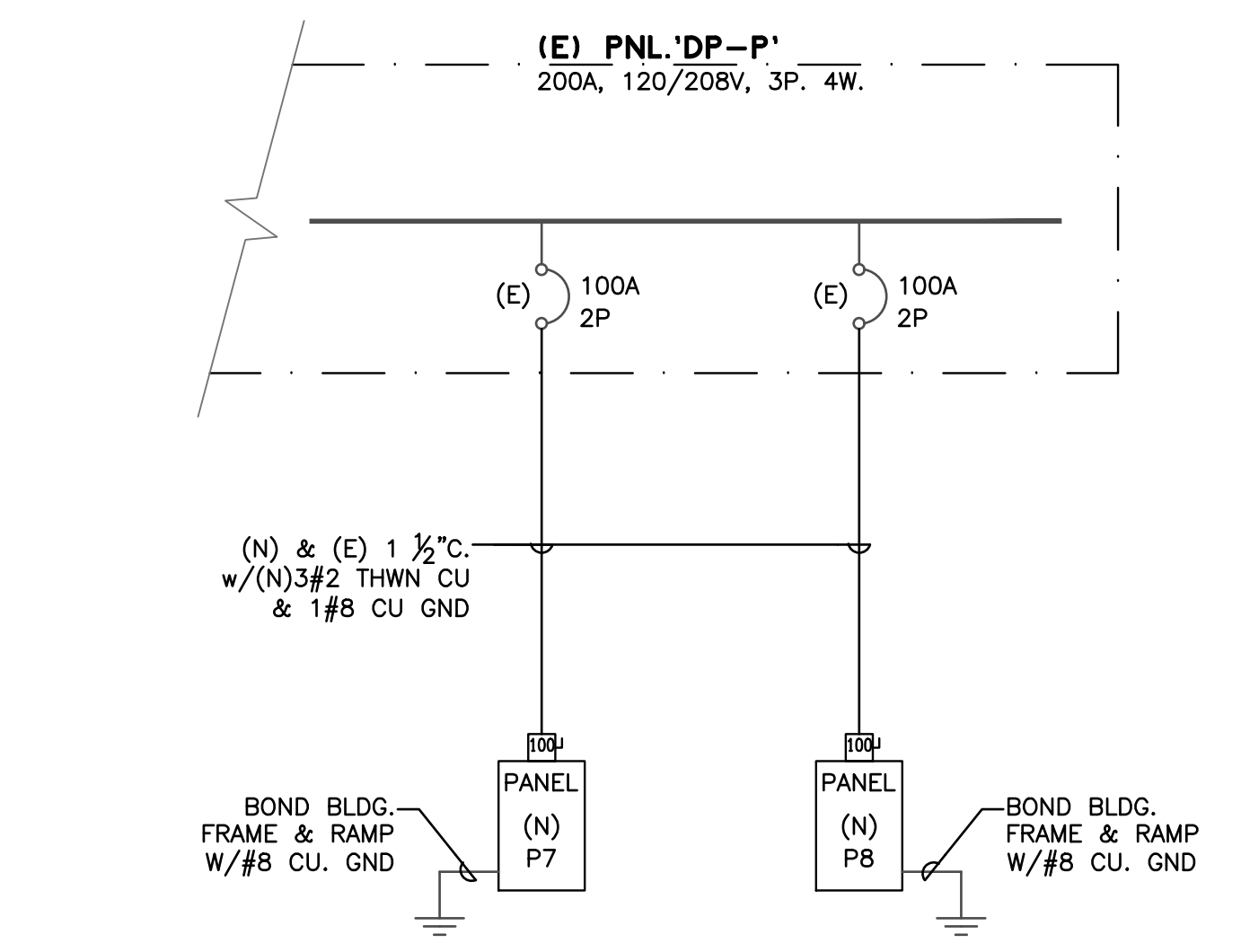
02/26/24 10:23:00 AM F:\24\060 SUSD PORTABLES AT VARIOUS\ENGR\SHEETS\060_E2.0 FLOOR PLAN - CROSSROADS.DWG cmendez

02/26/24 10:23:01 AM F:\24\060 SUSD PORTABLES AT VARIOUS ENGR SHEETS\060_E2.0 FLOOR PLAN - CROSSROADS.DWG cmmendez



1 PORTABLES FLOOR PLAN - POWER
SCALE: 1/8"=1'-0"

- PLAN NOTES:**
- (N) 2 - 2 "C W/ COMM CABLES AS REQD.
 - (E) 2-1 1/2"C W/PORT FEEDERS PER SINGLE LINE DIAGRAM.
 - (E) 3 - 4" C. W/(N) & (E) CABLES.
 - (E) PNL W/BLDG -INSTALL (N) 20A-1P BREAKER FOR (N) PROJECTOR CKT AS SHOWN.
 - (N) WIRELESS ACCESS POINT W/CAT-6 DATA CABLES AS SHOWN BACK TO (E) BLDG "C1" -PROVIDE WET LISTED CABLE THROUGHOUT
 - (N) TEACHER WORKSTATION W/CAT-6 DATA & TELE CABLES AS SHOWN BACK TO (E) BLDG "C1" -PROVIDE WET LISTED CABLE THROUGHOUT.
 - (N) 8 " SURFACE MOUNTED SPEAKER W/XFMR W/2C/16AWG STP CABLE TO (E) STC/BOGEN HEADEND.
 - (N) PROJECTOR LOCATION (FIELD VERIFY LOCATION) W/DISTRICT W/(N) DUPLEX RECEPTACLE & CAT-6 DATA CABLES AS SHOWN BACK TO (E) BLDG "C1" -INSTALL WITHIN 2900 SERIES WIREMOLD (WHITE) -PROVIDE WET LISTED CABLE THROUGHOUT
 - (N) PROVIDE 2" LFMC FLEX CONNECTION BETWEEN BLDGS.
 - (N) 1 1/2"C W/PORTABLE FEEDERS PER SINGLE LINE DIAGRAM.
 - (E) PANEL "DP-P" -CONNECT (N) PORTABLES ONTO (E) SPARE BREAKERS.
 - (E) IDF -INSTALL (N) PATCH PANEL AS REQUIRED TO TERMINATE (N) CABLES.



2 PARTIAL SINGLE LINE DIAGRAM
SCALE: NTS

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APP: 02-122154 INC:
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DATE: 3/5/2024

skw associates
architecture • engineering • surveying
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• david j stark
architect
c.22008

• allan v. stevenson
civil engineer
no. 67258



PROJECT TITLE:
SYLVAN UNION SCHOOL DISTRICT
CROSSROADS ELEMENTARY SCHOOL
(2) NEW PORTABLE CLASSROOMS
5800 Saxon Way
RIVERBANK, CA 95367

PORTABLE FLOOR PLAN - POWER AND SIGNAL

SHEET TITLE:
REVISIONS:

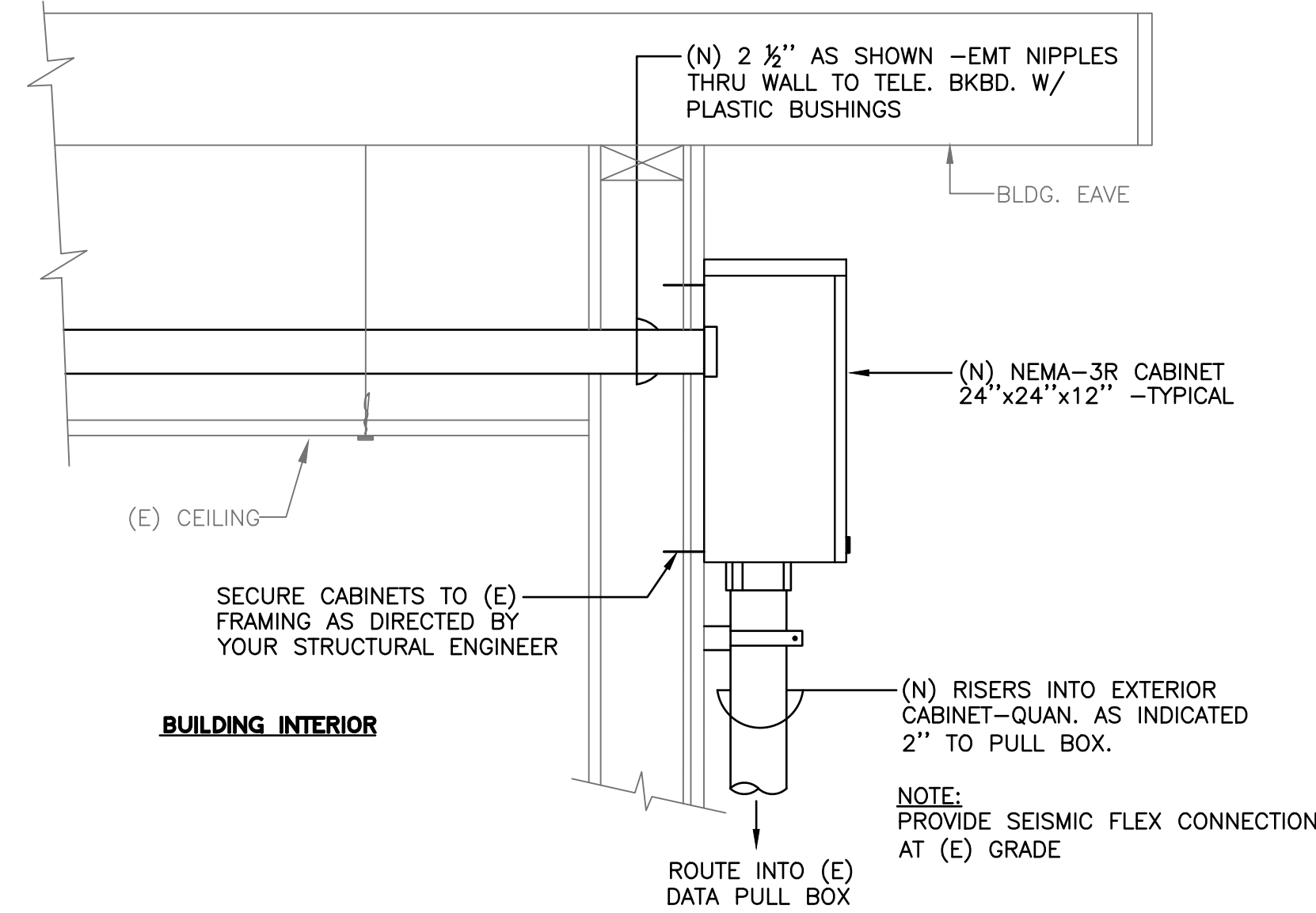


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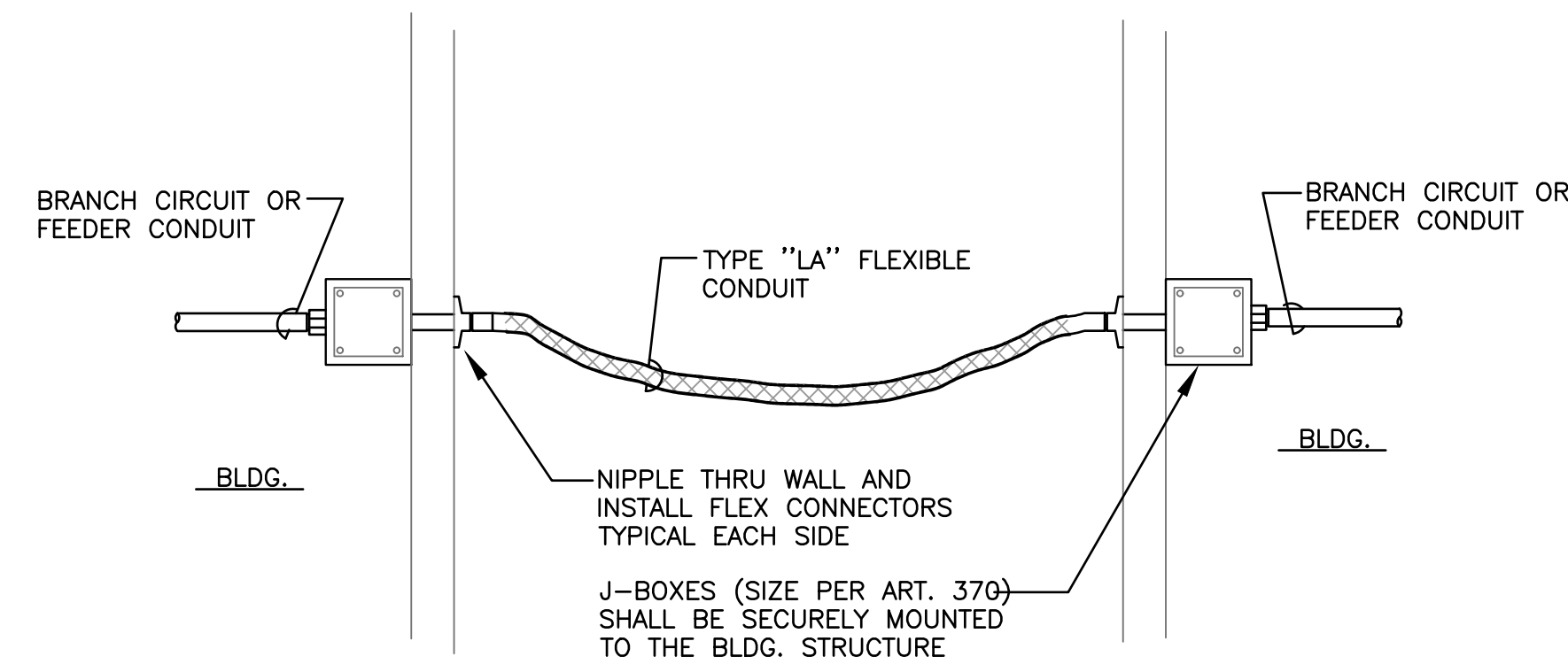
BY : CCM/KP
LIST : SYLVAN
DATE : 01/04/2024
JOB : 25M045

SHEET : **E2.2**

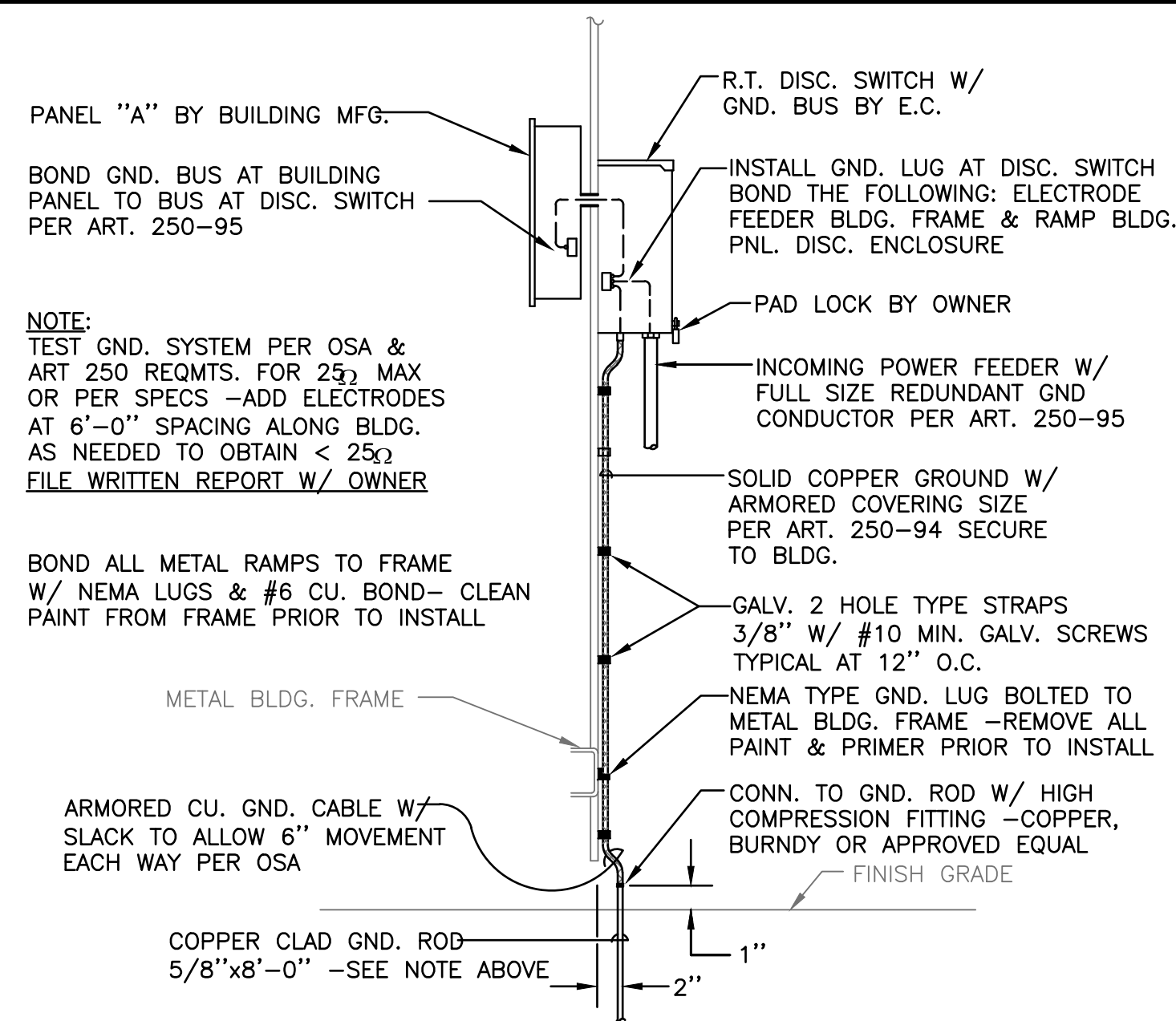
02/26/24 10:23:06 AM F:\24\060 SUSD PORTABLES AT VARIOUS\ENGR\SHEETS\060_E3.1 ELECTRICAL DETAILS.DWG cmendez



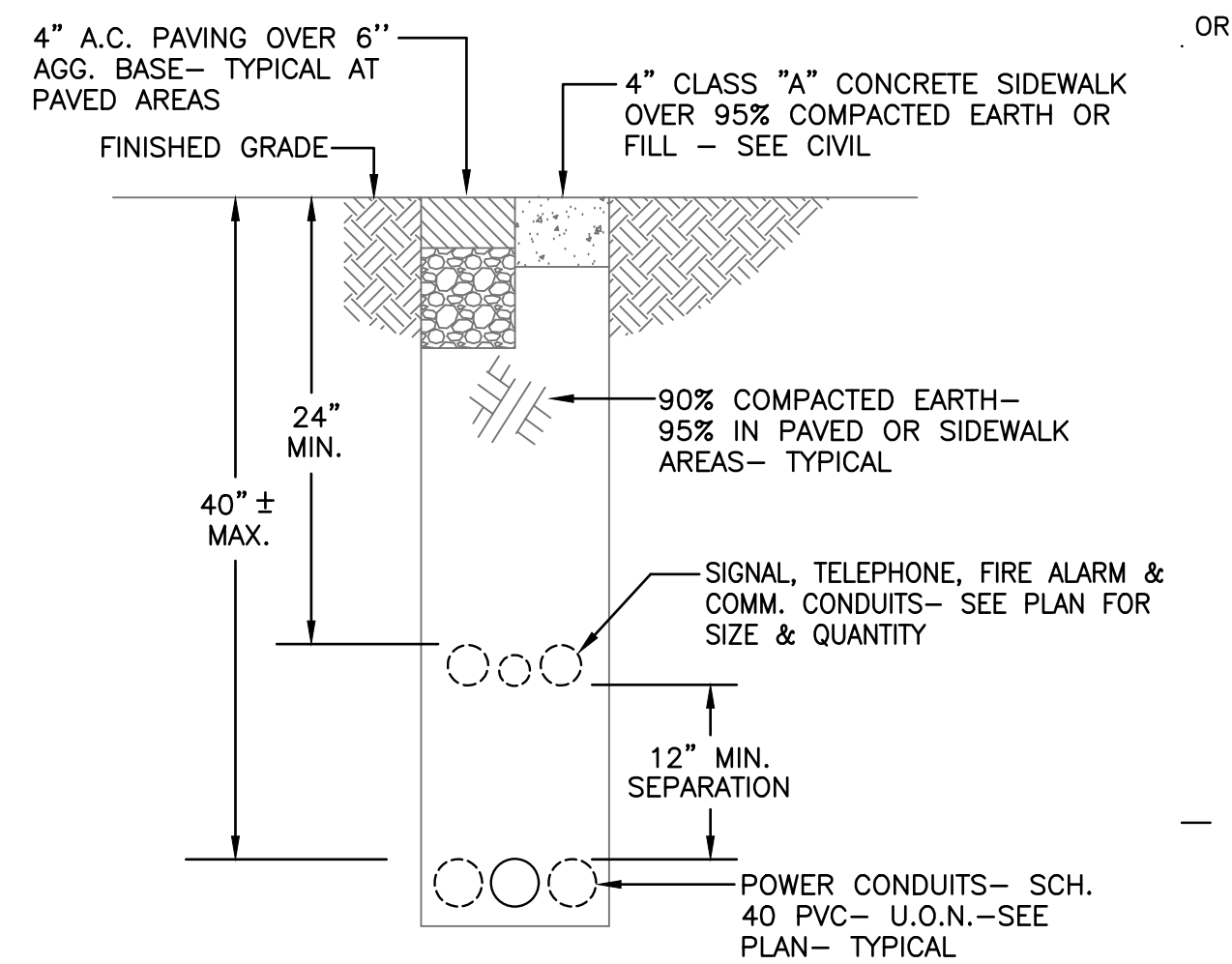
1 COMMUNICATION CONNECTION AT BLDG.
SCALE: N.T.S.



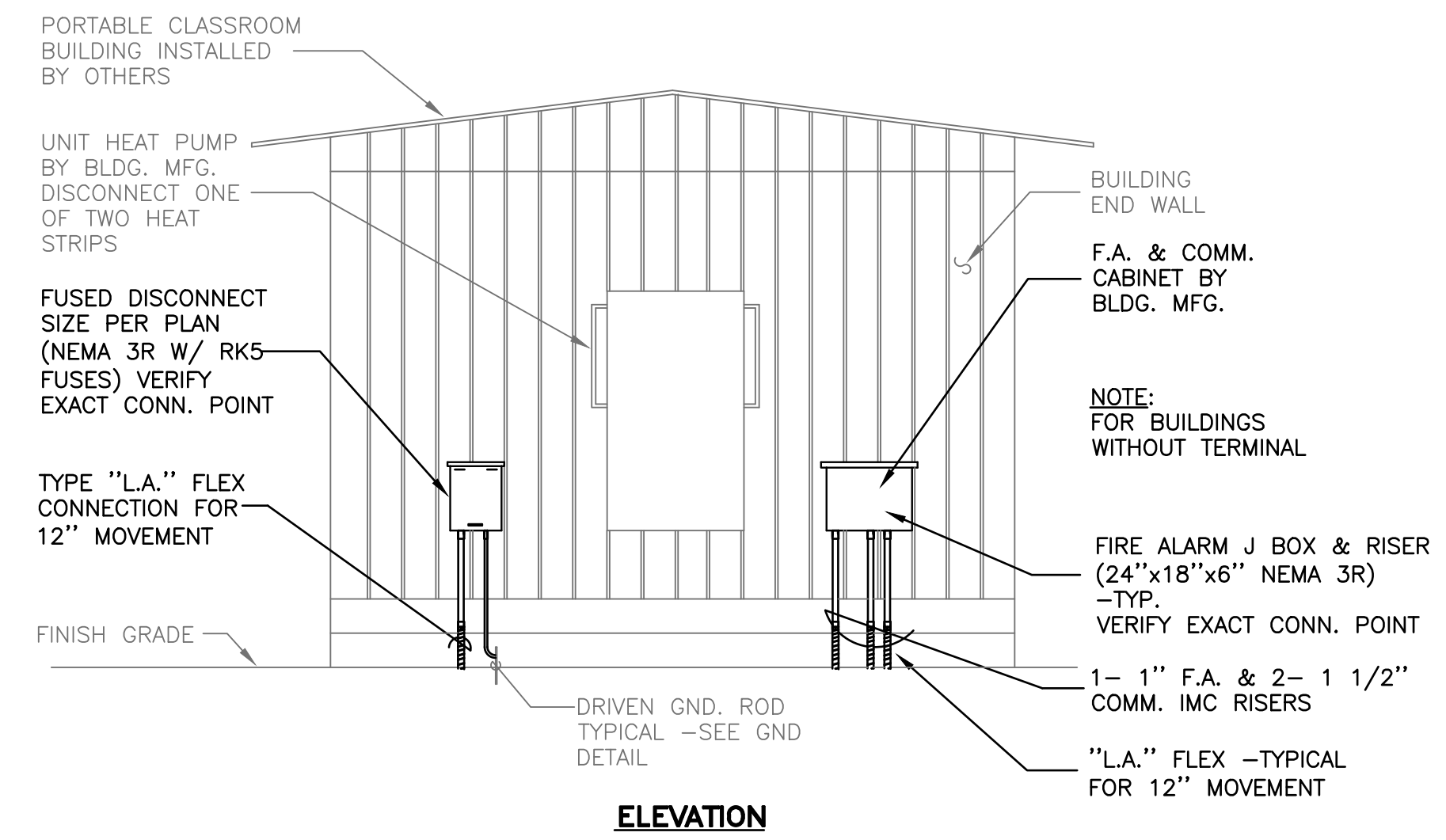
4 SEISMIC CONDUIT BETWEEN BLDGS.
SCALE: N.T.S.



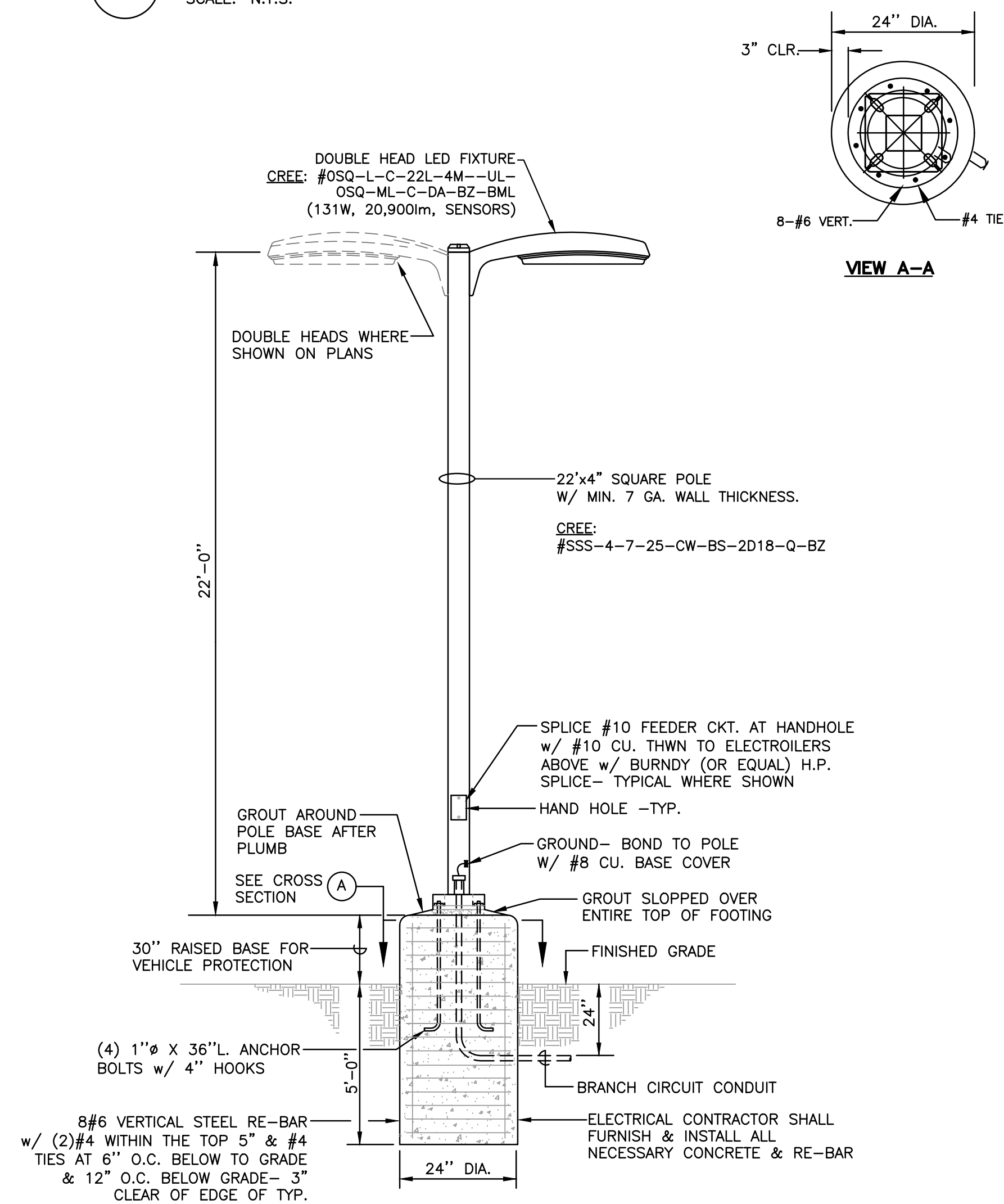
2 PORTABLE BUILDING GROUND (TYP.)
SCALE: N.T.S.



5 ELECTRICAL TRENCH SECTION (TYP.)
SCALE: N.T.S.



3 UNDERGROUND CONNECTION AT PORTABLE
SCALE: N.T.S.



6 LIGHT POLE & BASE DETAIL
SCALE: N.T.S.

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David J. Starck
architect
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Allan V. Stevenson
civil engineer
roc 67758



PROJECT TITLE:
SYLVAN UNION SCHOOL DISTRICT
CROSSROADS ELEMENTARY SCHOOL
(2) NEW PORTABLE CLASSROOMS
5800 Sakon Way
RIVERBANK, CA 95367

ELECTRICAL DETAILS



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BY: CGM/KP
LIST: SYLVAN
DATE: 01/04/2024
JOB: 25M045
SHEET: **E3.1**

MODULAR CLASSROOM BUILDINGS (WITH OPTIONAL RESTROOM MODULES)

BUILDING SIZE: 24' X 40' EXPANDABLE TO 120' X 40' PC 04-121999

BY
SILVER CREEK MODULAR, INC.
2830 BARRETT AVE, PERRIS, CALIFORNIA 92571
PHONE : (951) 943-5393 FAX : (951) 943-2211

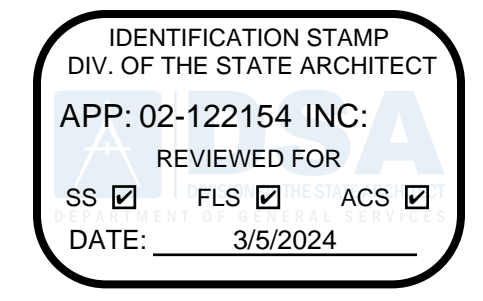
SYLVAN UNION SCHOOL DISTRICT CROSSROADS ELEMENTARY SCHOOL (2) 24' X 40' CLASSROOM

SHEET INDEX - PROJECT SPECIFIC

SHEET	ARCHITECTURAL
A-0N	COVER SHEET
A-1.01N	FLOOR PLAN 24' x 40' PROJECT SPECIFIC
SHEET	ELECTRICAL
E-1.01N	ELECTRICAL PLAN AND SCHEDULE - 24' x 40'

SHEET INDEX - PC 04-121999

SHEET	ARCHITECTURAL
A-0	COVER SHEET
A-0A	T & I FORMS
A-0B	T & I FORMS
A-0.1	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE
A-0.2	SCHEDULES
A-0.3	TYPICAL KEY PLANS - 24' TO 120' x 40'
A-0.53	DESIGN ENERGY VALUES - WOOD FLOOR - WALL HVAC
A-0.54	PRF FORMS - ZONE 24x40 - 14 WORST CASE
A-0.6A	CERTIFICATE OF COMPLIANCE FORMS
A-0.6B	CERTIFICATE OF COMPLIANCE FORMS
A-0.6C	CERTIFICATE OF COMPLIANCE FORMS
A-0.7	PV SYSTEM REQ'S, ENERGY MANDATORY MEASURES & CALGREEN SPEC'S
A-1.01	FLOOR PLAN - 24' x 40'
A-2.01	REFLECTED CEILING PLAN - 24' x 40'
A-2.20	CEILING DETAILS - T-GRID
A-3.01	ROOF PLAN - 24' x 40' - METAL DECK - MONO OR DUAL SLOPE
A-3.50	ROOF DETAILS - STANDING SEAM ROOF DECK
A-4.01	EXTERIOR ELEVATIONS - 24' x 40' - MONO OR DUAL SLOPE
A-5.01	CROSS SECT. - MONO SLOPE
A-5.05	CROSS SECTION
A-5.50	ARCHITECTURAL DETAILS - WOOD STUD - SHTG
A-5.70	ARCHITECTURAL DETAILS - FLOOR
A-5.80	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
A-5.81	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
A-6.01	INTERIOR ELEVATIONS - 24' x 40'



PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:
**SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS**

SHEET TITLE:
COVER SHEET

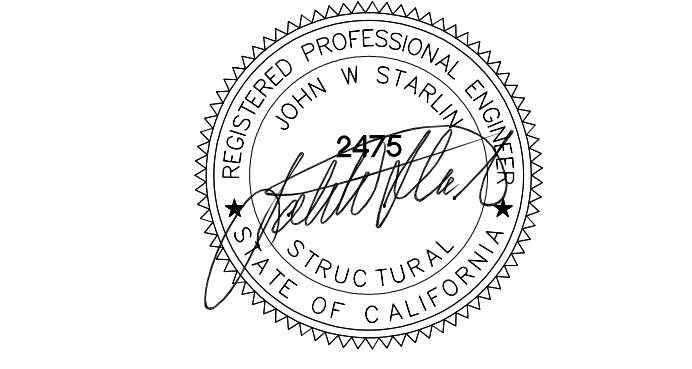
REVISIONS

PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

PC STATE AGENCY APPROVAL



MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC
PROJECT NO: 11477
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

P.C. SHEET NUMBER
A-0N

GENERAL NOTES

- FIRE ALARM IS NOT PART OF THIS APPROVAL.
- ALLOWABLE AREA IS BASED ON 10' SET BACK FROM IMAGINARY ASSUMED LINE PER 2022 CBC 705.3.
- THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.
- PC IS DESIGNED AS A SINGLE STORY MODULAR BUILDING.
- FOR SOILS TYPES / DESIGN BEARING STRENGTH, SEE STRUCTURAL SPECIFICATIONS.
- ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES.
- EXTERIOR WALL OPENINGS TO COMPLY W/ 705.8, 2022 CBC. THE USE OF UNPROTECTED OPENINGS SHALL BE VERIFIED IN THE PROJECT SPECIFIC APPLICATIONS.
- EXTERIOR PROJECTIONS ARE TO BE FIRE PROTECTED WHERE REQUIRED BY SECTIONS 705.2 & 1405.
- SEE SHEETS A-0.7 FOR REQUIRED BUILDING ENVELOPE ASSEMBLIES AND HVAC SYSTEM.
- PURSUANT TO D.S.A. APPROVAL ALL PRODUCTS CAN BE SUBSTITUTED BY AN "EQUAL".
- BUILDING(S) TO BE LOCATED IN ANY FIRE HAZARD SEVERITY ZONE OR ANY WILDLAND - URBAN INTERFACE FIRE AREA SHALL COMPLY WITH CBC CHAPTER 7A.
- WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES NEED TO COMPLY WITH CALGREEN CODE, SECTION 5.507.4 FOR THE SITE SPECIFIC LOCATION.
- IN THE EVENT THAT A PC CLASSROOM IS DESIGNED TO CONNECT TO THE SAME PC CLASSROOM, INTERIOR SOUND TRANSMISSION IN THE INTERIOR ADJOINING WALL AND FLOOR-CEILING SHALL MEET THE MINIMUM REQUIREMENTS OF THE STC RATING OF 40 PER CALGREEN CODE, SECTION 5.507.4.3.
- FOR THE CONCRETE BELOW GRADE (AMM*) FOUNDATION OPTION THIS PC USES A DSA APPROVED ALTERNATE MEANS OF COMPLIANCE WITH THE FOUNDATION DURABILITY REQUIREMENTS OF CBC 1402.2 + 1403.2 (WEATHER-RESISTANT EXTERIOR WALL ENVELOPE AND CONTINUOUS WATER-RESISTIVE BARRIER ON WALLS TO FOUNDATION) + 2304.12.1.2 (PROTECTION AGAINST DECAY AND TERMITES). DETAILS ARE PROVIDED ON SHEETS A-5.71 - A-5.78 AS APPLICABLE.
- THE BUILDING PAD ELEVATION SHALL ABOVE THE DESIGN FLOOD ELEVATION.
- WHEN THE SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A SEALED LETTER FROM A GEOTECHNICAL ENGINEER SHALL BE PROVIDED TO VALIDATE THE APPLICABILITY OF THE ALLOWABLE SOIL BEARING PRESSURES INDICATED ON THE PC DRAWINGS. EXCEPTION: THIS LETTER IS NOT REQUIRED FOR PROJECTS LOCATED IN FLOOD ZONE D WHEN A GEOTECHNICAL REPORT IS AVAILABLE FOR IMPROVEMENTS ON THE SAME PROJECT SITE, AND IN ACCORDANCE WITH THE CURRENT CBC, WHICH CONFIRMS THAT THE SITE IS NOT IN A FLOOD HAZARD ZONE OR CONFIRMS THAT THE FLOOD HAZARD DOES NOT RESULT IN A REDUCTION OF SOIL CAPACITY VALUES.

APPLICABLE STANDARDS

NFPA 13	AUTOMATIC SPRINKLER SYSTEMS (A, AMENDED)	2022 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED)	2022 EDITION
(NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")		
ACI 318	BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE	2019 EDITION
ASME A17.1	(W/17.1A CSA B44A-2019 ADDENDA) SAFETY CODE FOR ELEVATORS & ESCALATORS.	2019 EDITION

APPLICABLE CODES

- LIST OF 2022 CALIFORNIA CODE OF REGULATIONS
- 2022 BUILDING ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.
 - 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
 - 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
 - 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
 - 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
 - 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
 - 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R.
 - 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.
 - 2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.
 - TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
- APPLICABLE STANDARDS:
FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

BUILDING DATA

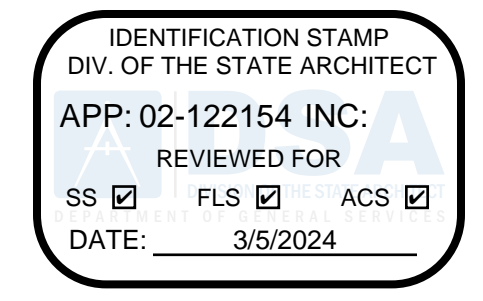
NUMBER OF STORIES:	1 - STORY
OCCUPANCY:	E or B
TYPE OF CONSTRUCTION:	V-B
FLOOR LIVE LOAD:	50+15 PSF PARTITION LOAD
ROOF LIVE LOAD:	20 PSF
FLOOR DEAD LOAD:	WOOD FLOOR - 11 PSF
ROOF DEAD LOAD:	18 PSF (INCLUDING SPRINKLER LOAD AND SOLAR ALLOWANCE)
SOLAR ALLOWANCE:	0.6 PSF OVER ENTIRE ROOF AREA
RAMP LIVE LOAD:	100 PSF
BUILDING AREA:	24'x40' BLDG 960 S.F.
ALLOWABLE AREA:	9,000 S.F.
(ALL w/o OVERHANGS)	
FOUNDATION:	WOOD (CONDITIONAL)
CEC CLIMATE ZONE:	12
ALLOWABLE SOIL PRESSURE	
WOOD FOOTING (DL & DL+LL & DL+LL+SEISMIC)	1,000 psf
CONCRETE FOOTING (DL & DL+LL & DL+LL+SEISMIC)	1,500 psf
ROOF SNOW LOAD	
GROUND SNOW LOAD, P_g	FROM COUNTY 0
ROOF SNOW LOAD:	FLAT P_f
SNOW EXPOSURE FACTOR C_e	-
SNOW IMPORTANCE FACTOR I_s	1.0
THERMAL FACTOR C_t	-
FLOOD DESIGN (SEE GENERAL NOTE #16 + 17)	
FLOOD HAZARD AREA	NO
WIND DESIGN	
BASIC WIND SPEED (3 SECOND GUST) V_{ult}	120
RISK CATEGORY	II
WIND EXPOSURE CATEGORY	C
TOPOGRAPHIC FACTOR K_{zt}	1
SEISMIC DESIGN	
LATERAL FORCE-RESISTING SYSTEM	OMF
ANALYSIS PROCEDURE	EQUIV. LATERAL FORCE
SEISMIC DESIGN CATEGORY (SDC)	D
SEISMIC IMPORTANCE FACTOR I_e	1.0
SEISMIC RESPONSE COEFFICIENT C_s	0.45
RESPONSE MODIFICATION COEFFICIENT R	3.5
SITE CLASS	D
MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD S_s	2.8
SHORT PERIOD SITE COEFFICIENT F_s	1.2
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD S_{DS}	2.23 +++
MAPPED SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD S_1	0.918
LONG PERIOD SITE COEFFICIENT, F_l	1.7
DESIGN SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD S_{D1}	1.56
HORIZONTAL OR VERTICAL IRREGULARITY TYPES	NONE
REDUNDANCY FACTOR R_{ho}	1.0
FUNDAMENTAL PERIOD T	< 0.5s
+++ PER SUPPLEMENT 3 OF ASCE 7-16, STRUCTURES SITUATED IN SITE CLASS D WITH S_1 VALUES THAT ARE EQUAL TO OR GREATER THAN 0.2 ARE EXEMPTED FROM THE GROUND MOTION HAZARD ANALYSIS. THIS EXEMPTION APPLIES WHEN THE PARAMETER SM_1 , DETERMINED THROUGH THE USE OF EQ. 11.4-2, IS ELEVATED BY 50% FOR ALL APPLICATIONS OF SM_1	
+++ FOR THE PURPOSES OF CALCULATING C_s (PER ASCE 7-16 12.8.1.3) $S_{DS} = 1.56$ ACTUAL PERIOD $T = 0.34$ SEC.	

SEISMIC DESIGN FOR SITE SPECIFIC PROJECTS	
<input checked="" type="checkbox"/>	DESIGN BASED ON SITE CLASS D_{extra}
NO GEOTECHNICAL INVESTIGATION REQUIRED	
$S_s =$	0.611 $F_a =$ 1.31
<input type="checkbox"/>	DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16
GEOTECHNICAL INVESTIGATION PROVIDED	
SITE CLASS:	<input type="checkbox"/> C <input type="checkbox"/> D
$S_s =$	$F_a =$ PER ASCE 7-16 SUPPL 3, TABLE 11.4-1
<input type="checkbox"/>	DESIGN BASED ON SITE SPECIFIC GROUND MOTION HAZARD ANALYSIS PER CHAPTER 21 OF ASCE 7-16
SHORT-PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, S_{DS} , SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION	
CGS APPROVAL REQUIRED	
NOT ELIGIBLE FOR OTC REVIEW	
SITE CLASS:	<input type="checkbox"/> C <input type="checkbox"/> D
$S_{DS} = \frac{1}{2} F_a S_s =$	0.534
<input checked="" type="checkbox"/>	SITE CLASS C or D: $0.7 \times S_{DS}^* = 0.7 \times 0.534 = 0.374 \leq 1.56$
$C_s = 0.45$	USED IN DESIGN
SEISMIC DESIGN CATEGORY: <input checked="" type="checkbox"/> D <input type="checkbox"/> E	
* SITE SPECIFIC S_{DS} VALUE BEFORE APPLYING REDUCTION ALLOWED BY ASCE 7 SECTION 12.8.1.3	

NOTE:
CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

PLUMBING FIXTURE SCHEDULE						
SYMBOL	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	FIXTURE DESCRIPTION (AS CALLED OUT OR APPROVED EQUAL)
	CLASSROOM SINK	1/2"	-	2"	1 1/2"	JUST CRA-1725-A-GR 17"x25" w/ 4 1/2" BOWL DEPTH, WITH CHICAGO FAUCET #350 AND BUBBLER JSB-10

- ### NOTES
- PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. PER IR 16-1 (4.1)
(1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME. LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, REQUIRED PV SYSTEM CAPACITY (KW), WIND SPEED, EXPOSURE CATEGORY, AND Kz1 = 1.0 2022 CBC, DESIGN CLIMATE ZONE, SEISMIC PARAMETER = S_s
 - VINYL TACKBOARD INTERIOR FINISH SHALL COMPLY WITH CBC SECTION 803.7
 - POSTING OF OCCUPANCY LOAD SIGNS SHALL COMPLY WITH CALIFORNIA CODE OF REGULATIONS (CCR) TITLES 19 ART. 3.30 (NOT IN MODULAR MANUFACTURER'S SCOPE OF WORK)
 - FOR BUILDINGS THAT ARE MANUFACTURED IN-PLANT, THE IN-PLANT INSPECTOR IS TO ATTACH A VERIFIED REPORT INSIDE EACH BUILDING, WHICH SHALL INDICATE THE MANUFACTURER'S NAME AND THE SERIAL NUMBER FOR EACH BUILDING MODULE AS WELL AS THE DSA FILE AND APPLICATION NUMBERS, PER IR 16-1.13 (2.1)
 - ALL FIXTURE HEIGHTS TO BE VERIFIED PRIOR TO CONSTRUCTION
 - FOR CASEWORK, TEACHER WALL, OR TV BLOCKING OPTIONS, SEE SHEET A-5.80
 - DOORS SHALL PROVIDED WITH MINIMUM 4' CANOPY OR ROOF OVERHANGS - SEE A/A-0.7 FOR NON-ABSORBANT WALL AND FLOOR FINISH REQUIREMENTS ADJACENT TO EXTERIOR DOORS



PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.

ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

**SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS**

SHEET TITLE:

**FLOOR PLAN
24' x 40'
PROJECT SPECIFIC**

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO: 11477

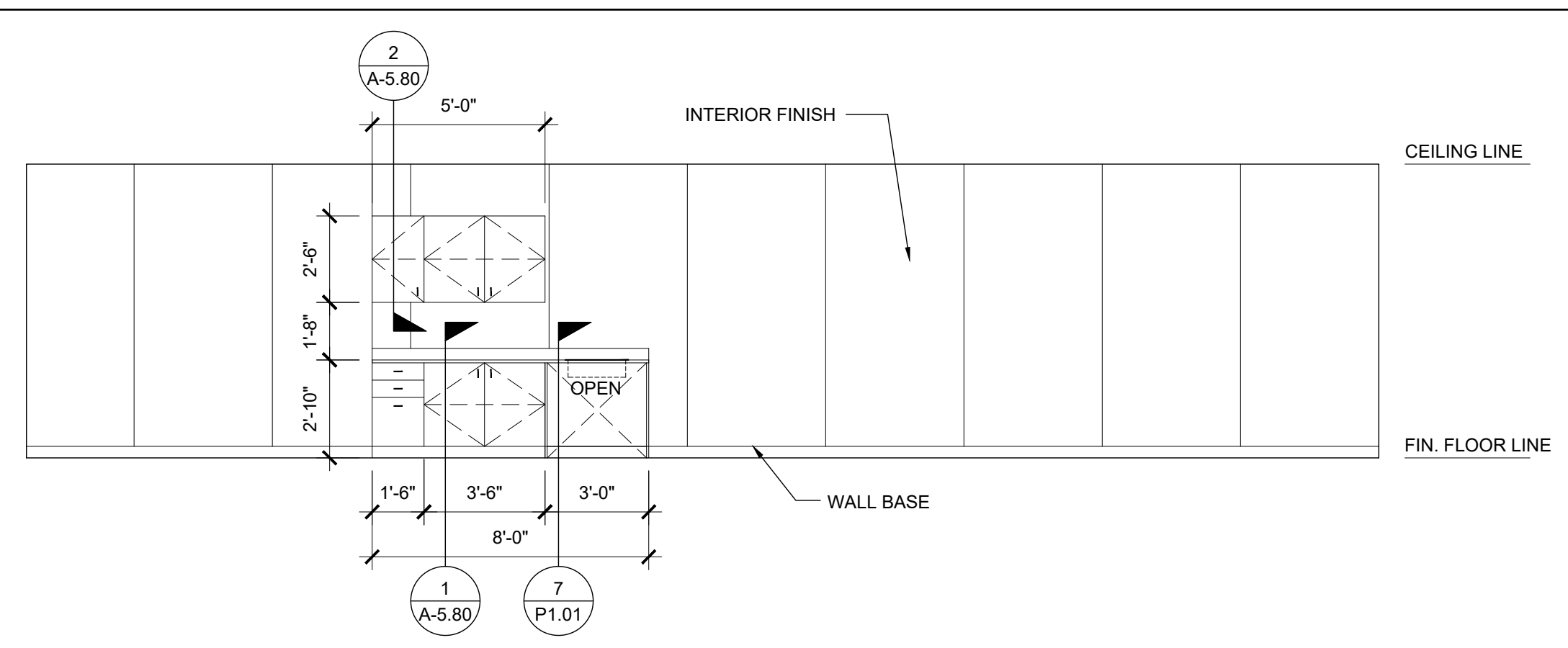
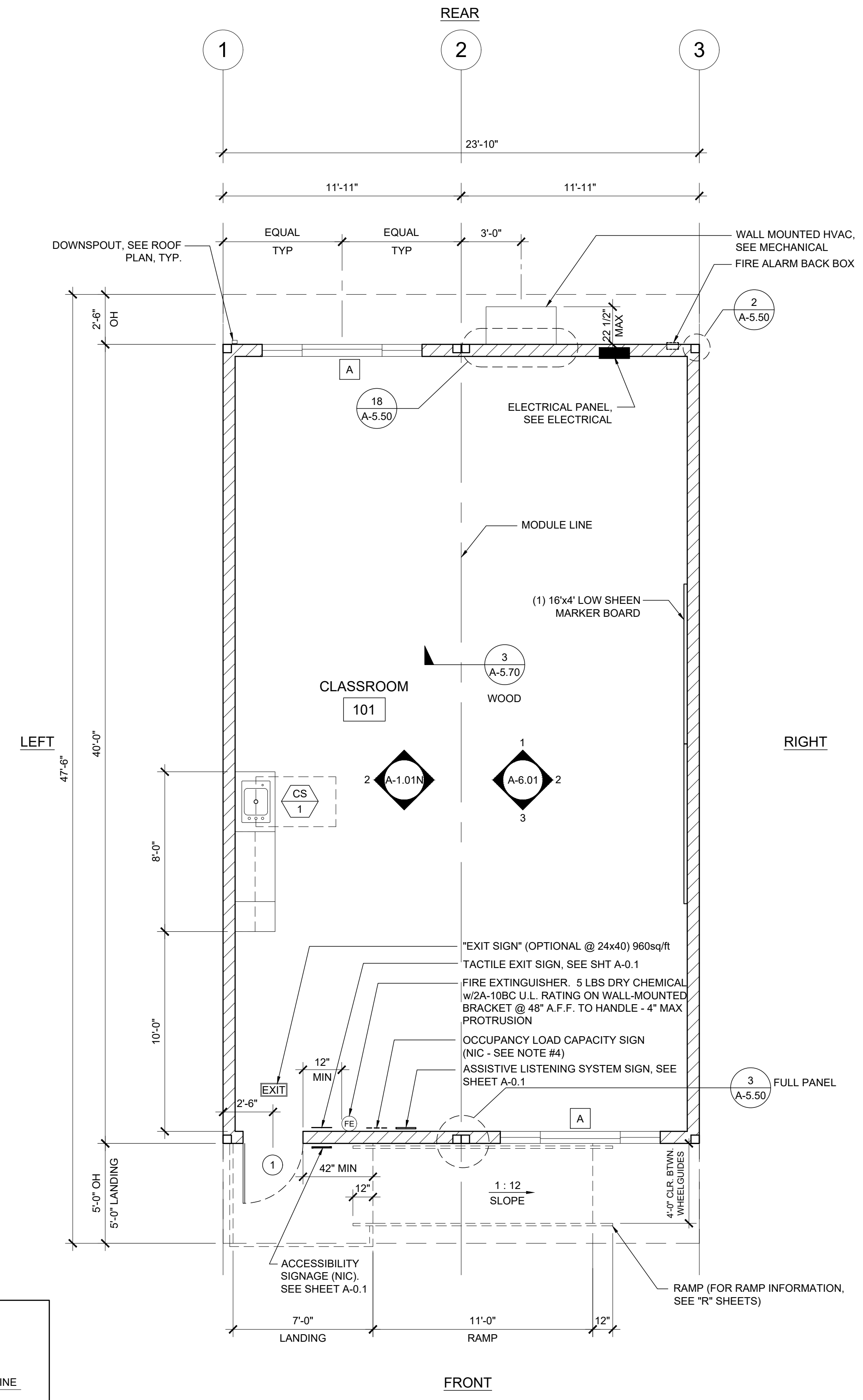
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

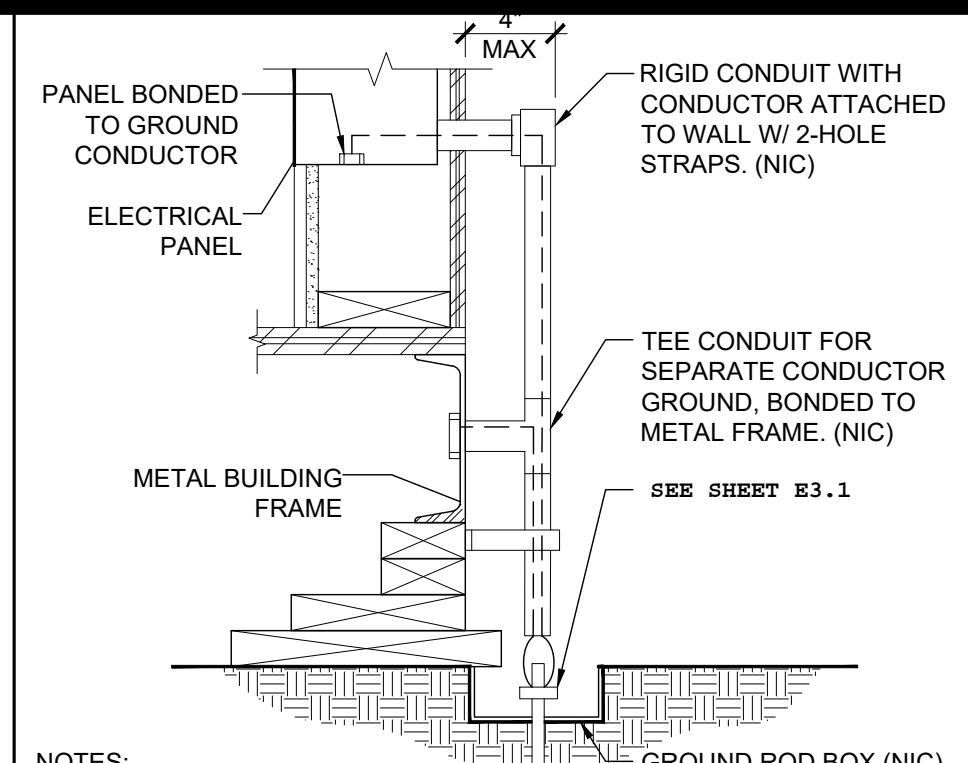
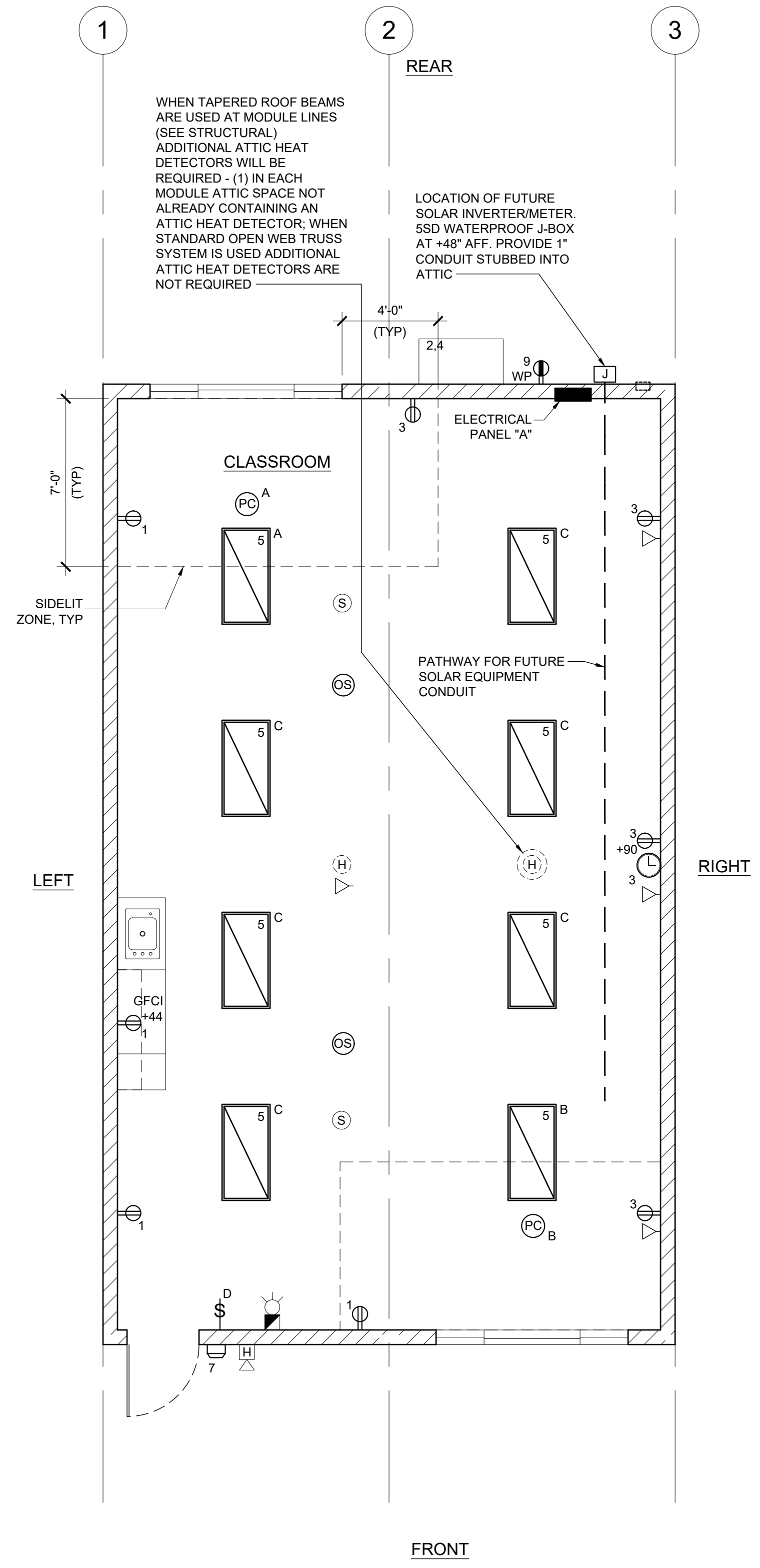
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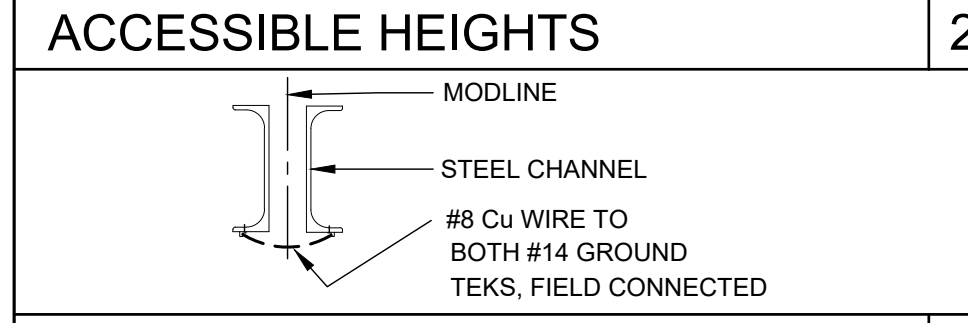
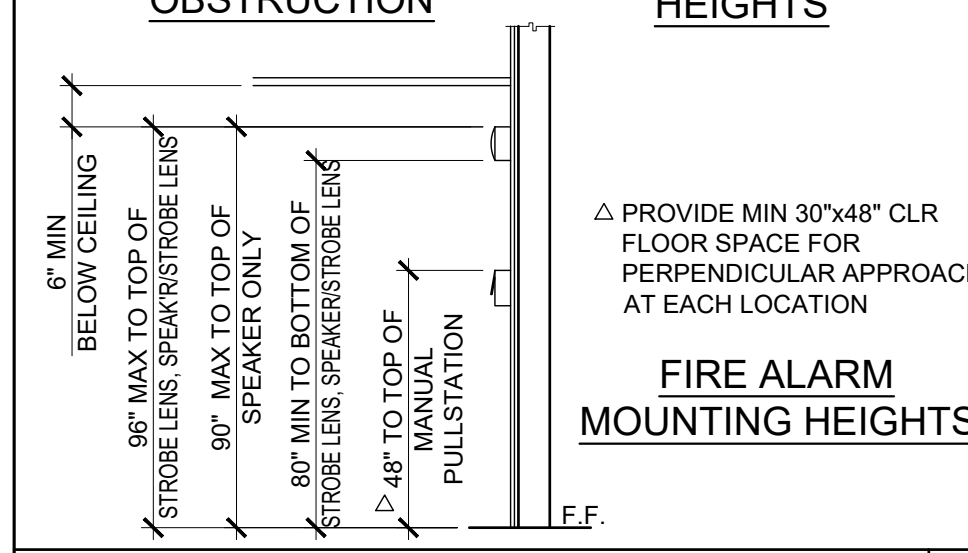
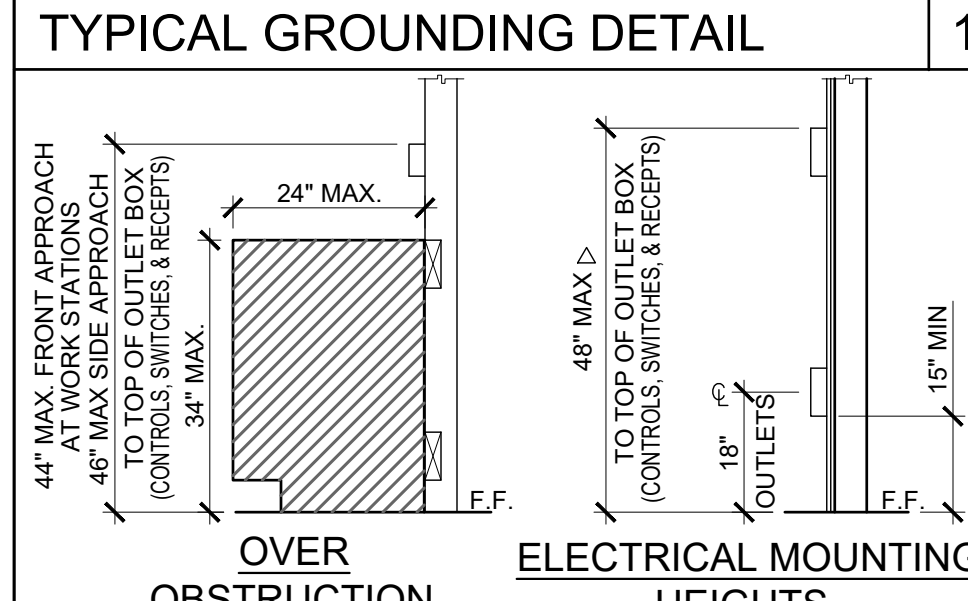
SIDE ELEVATION

FLOOR PLAN

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



- NOTES:
- SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66
 - ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.
 - BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTR. PANEL & TO METAL BUILDING FRAME (CEC 250.52) IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52)
 - ALL MODULES OF METAL FRAME BLDGS. SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). BONDING SHALL INCLUDE METAL RAMP.
 - CHECK RESISTANT TO GROUND ROD, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250.56).



ACCESSIBLE HEIGHTS

MODLINE

STEEL CHANNEL

#8 Cu WIRE TO BOTH #14 GROUND TEKS, FIELD CONNECTED

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 90°C, COPPER)

WIRE SIZE	CAPACITY	WIRE TYPE	NO. OF CONDUCTOR PERMITTED
		1/2" C	3/4" C
#12	20A	9	16
#10	30A	5	10
#8	45A	2	5
#6	65A	1	3
#4	85A	1	2

JUNCTION BOX SIZE TABLE

BOX SIZE	CU. IN.	MAX. NO. OF CONDUCTORS			
		#12	#10	#8	#6
4SS 1 1/4" x 4" SQ	18.0	8	7	6	0
4S 1 1/2" x 4" SQ	21.0	9	8	7	0
4SD 2 1/8" x 4" SQ	30.3	13	12	10	6
4SX 2 7/8" x 4" SQ	43.5	23	21	17	10
5SD 2 1/8" x 4-11/16" SQ	42.0	18	16	14	6
5SX 3 7/8" x 4-11/16" SQ	66.0	38	34	28	17
6SA 4" x 6" SQ	144.0	64	57	48	28

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

MEP COMPONENT 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 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE 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 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 REQUIREMENTS 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.

THE BRACING 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 BRACED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 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. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., OSHPD OPA FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

MP MD PP E OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

TYPICAL GROUNDING DETAIL

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 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 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.

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

MP MD PP E OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

LIGHTING CONTROL SYSTEM SEQUENCE OF OPERATIONS

THE LIGHTING CONTROL SYSTEM BASIS OF DESIGN SHALL BE THE LUTRON VIVE WIRELESS LIGHTING CONTROL SYSTEM. THE SYSTEM SHALL BE CAPABLE OF PROVIDING MANUAL CONTROL, OCCUPANCY SENSING CONTROL AND DAYLIGHT HARVESTING CONTROL.

SEQUENCE:

OCCUPANT ENTERS:
ALL LIGHTS AUTOMATICALLY TURN ON TO 50% LIGHT LEVEL. OCCUPANT MAY INCREASE LIGHTS TO MAXIMUM LEVEL MANUALLY WITH WALL CONTROL.

WHEN OCCUPIED:
LIGHTING IN DAYLIT ZONES AUTOMATICALLY DIMBRIGHTEN BASED ON DAYLIGHT AVAILABILITY.
OCCUPANT MAY MANUALLY DIMBRIGHTEN THE LIGHTS WITH WALL CONTROL.

OCCUPANT EXITS:
ALL LIGHTS AUTOMATICALLY TURN OFF 15 MINUTES AFTER VACANCY.

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 90°C, COPPER)

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		1/2" C	3/4" C
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4SX 2 7/8" x 4" SQ	43.5	23	21	17	10
5SD 2 1/8" x 4-11/16" SQ	42.0	18	16	14	6
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6SA 4" x 6" SQ	144.0	64	57	48	28

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

LEGEND

2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE WITH DIMMING
WATTAGE: 51 WATTS (MAX), 5000L (MIN)

WALL MOUNTED HVAC UNIT. SEE MECHANICAL DWGS

ROOF MOUNTED HVAC UNIT-SEE MECHANICAL DWGS

ELECTRICAL PANEL AT +60" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT (U.N.O.)

CEILING MOUNTED OCCUPANCY SENSOR

CEILING MOUNTED PHOTOCELL

ULTRASONIC CEILING OCCUPANCY SENSOR. SENSOR TO BE CONNECTED TO KEYPAD LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/ PARTITIONS.

SINGLE SWITCH WALL OCCUPANCY SENSOR. WATTS/STOPPER PW-100 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF

DIMMER SWITCH, AT +48" AFF. TO TOP OF OUTLET BOX

LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX

3-WAY LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX

KEYED SWITCH MOUNT AT +48" AFF TO TOP OF OUTLET BOX

DUPLEX (WALL MOUNTED) RECEPTACLE 15A - 125V - 3 WIRE. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF DEVICE

EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24" AFF FOR A/C SERVICES (MAX 255-0" FROM UNITS)

GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS

ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE

EXTERIOR LED LIGHT FIXTURE W/ 90 MIN. EMERGENCY BATTERY BACKUP WHEN 'EM' IS DESIGNATED NEXT TO FIXTURE W/ PHOTOCELL W/ 30w MAX. MOUNT AT +93" AFF

CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE

EXIT SIGN WITH 90 MIN. BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS. CLASSROOMS WITH ONE EXTERIOR DOOR - OPTIONAL)

4SD J-BOX FOR FIRE ALARM PULL STATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF OUTLET BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULL STRING

4SD J-BOX FOR FIRE ALARM STROBE OR VOICE EVAC SPEAKER/STROBE (DEVICE BY OTHERS). BOTTOM OF LENS SHALL BE BETWEEN 80" AND 96" AFF AND WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM SPEAKER/HORN WITH PULL STRING

4SD J-BOX FOR EXTERIOR FIRE ALARM SPEAKER (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULL STRING

RECESSED 4SD J-BOX W/ COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULL STRING

4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS). MAXIMUM 21'-0" FROM ANY POINT IN ROOM AND 30'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)

4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS). MAXIMUM 35'-0" FROM ANY POINT IN ATTIC AND 50'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)

4SD J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE, HARD WIRE TO UNIT

100 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH

300 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH

2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE WITH DIMMING
WATTAGE: 51 WATTS (MAX), 5000L (MIN)
EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE. THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES. ANY LIGHT FIXTURE EQUIPPED WITH A BATTERY PACK SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE. ADDITIONALLY THE BATTERY PACK SHALL BE OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.

WALL MOUNTED LIGHT FIXTURE, 30 WATTS

4SD J-BOX FOR FUTURE DATA W/ SINGLE GANG RING W/ 1" CO STUB INTO ATTIC AND PULL STRING

DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER FLOW SWITCH.

DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER TAMPER SWITCH.

DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER BELL.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122154 INC:
REVIEWED FOR:
SS FLS ACS
DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.

ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:
SYLVAN USD CROSSROADS E.S. (2) 24' x 40' CLASSROOM BUILDINGS

SHEET TITLE:
ELECTRICAL PLAN AND SCHEDULE 24' x 40' PROJECT SPECIFIC

REVISIONS

PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO: 11477

DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023
P.C. SHEET NUMBER

E-1.01N

NOTE: PROVIDE A MINIMUM OF 72 SF SOLAR READY AREA PER MODULE. AREA TO BE A MINIMUM OF 5' IN ANY DIRECTION WITH A MINIMUM SPACE OF 80 SF PER BUILDING.

ELECTRICAL PLAN

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

VOLTS: 120/208 V		PANEL: WALL MOUNTED HVAC		FEED: REAR	
MAIN: 100 A		LOCATION: INTERIOR ACCESS		MOUNTING: FLUSH	
LOAD	QTY	WATTS	BREAKER	WATTS	LOAD
		AØ	BØ	AØ	BØ
RECEPTACLES	4	720	20	1	1
RECEPTACLES/CLOCK	5	900	20	1	3
INTERIOR LIGHTING	8	960	20	1	5
EXTERIOR LIGHTING	1	40	20	1	7
WALL RECEPTACLE (GFI)	1	180	20	1	9
DED - SOLAR READY					11
DED - SOLAR READY					13
A = 6690 WATTS / PHASE		1860	940		
TOTAL = 12,500 WATTS		61	AMPS	120/208 VOLTS	1 Ø
					3 WIRE

MODULAR CLASSROOM BUILDINGS (WITH OPTIONAL RESTROOM MODULES)

BUILDING SIZE: 24' X 40' EXPANDABLE TO 120' X 40' PC 04-121999

BY
SILVER CREEK MODULAR, INC.
2830 BARRETT AVE, PERRIS, CALIFORNIA 92571
PHONE : (951) 943-5393 FAX : (951) 943-2211

SHEET INDEX

SHEET	ARCHITECTURAL	SHEET	FOUNDATION
A-0	COVER SHEET	F-0.01	WOOD FOUNDATION PLAN - 24' x 40' (50 PSF)
A-0A	T & I FORMS	F-0.02	WOOD FOUNDATION PLAN - 24' x 40' (50+15 PSF)
A-0B	T & I FORMS	F-0.03	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
A-0.1	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE	F-0.04	WOOD FOUNDATION PLAN - 24' x 40' (150 PSF)
A-0.2	SCHEDULES	F-0.11	WOOD FOUNDATION PLAN - 36' x 40' (50 PSF)
A-0.3	TYPICAL KEY PLANS - 24' TO 120' x 40'	F-0.12	WOOD FOUNDATION PLAN - 36' x 40' (50+15 PSF)
A-0.50	DESIGN ENERGY VALUES - CONC FLOOR - ROOF HVAC	F-0.13	WOOD FOUNDATION PLAN - 36' x 40' (100 PSF)
A-0.51	DESIGN ENERGY VALUES - CONC FLOOR - WALL HVAC	F-0.14	WOOD FOUNDATION PLAN - 36' x 40' (150 PSF)
A-0.52	DESIGN ENERGY VALUES - WOOD FLOOR - ROOF HVAC	F-0.22	WOOD FOUNDATION PLAN - 48' x 40' (50 PSF)
A-0.53	DESIGN ENERGY VALUES - WOOD FLOOR - WALL HVAC	F-0.23	WOOD FOUNDATION PLAN - 48' x 40' (50+15 PSF)
A-0.54	PRF FORMS - ZONE 24x40 - 14 WORST CASE	F-0.24	WOOD FOUNDATION PLAN - 48' x 40' (100 PSF)
A-0.55	PRF FORMS - ZONE 24x40 - 15 WORST CASE	F-0.24	WOOD FOUNDATION PLAN - 48' x 40' (150 PSF)
A-0.56	PRF FORMS - ZONE 24x40 - 16 WORST CASE	F-0.50	FOUNDATION DETAILS - WOOD
A-0.57	PRF FORMS - ZONE 36x40 - 14 WORST CASE	F-1.01	CONCRETE FOUNDATION PLAN - ABOVE GRADE - WOOD FLOOR
A-0.58	PRF FORMS - ZONE 36x40 - 15 WORST CASE	F-1.11	CONCRETE FOUNDATION PLAN - ABOVE GRADE - CONCRETE FLOOR
A-0.59	PRF FORMS - ZONE 36x40 - 16 WORST CASE	F-1.50	CONCRETE FOUNDATION DETAILS - ABOVE GRADE
A-0.6A	CERTIFICATE OF COMPLIANCE FORMS	F-2.01	CONCRETE FOUNDATION PLAN - BELOW GRADE - WOOD FLOOR
A-0.6B	CERTIFICATE OF COMPLIANCE FORMS	F-2.11	CONCRETE FOUNDATION PLAN - BELOW GRADE - CONCRETE FLOOR
A-0.6C	CERTIFICATE OF COMPLIANCE FORMS	F-2.50	CONCRETE FOUNDATION DETAILS - BELOW GRADE
A-0.6D	SINGLE MODULE TOILET BUILDING COMPLIANCE FORMS	F-2.51	FOUNDATION DETAILS - CONCRETE
A-0.6E	TWO MODULE TOILET BUILDING COMPLIANCE FORMS		
A-0.7	PV SYSTEM REQ'S, ENERGY MANDATORY MEASURES & CALGREEN SPECS		
A-1.01	FLOOR PLAN - 24' x 40'	SHEET	STRUCTURAL
A-1.02	FLOOR PLAN - 36' x 40'	S-0.1	STRUCTURAL SPECIFICATIONS
A-1.03	FLOOR PLAN - 48' TO 120' x 40'	S-1.01	FLOOR FRAMING PLAN - WOOD FLOOR
A-1.04	OPTIONAL RESTROOM END MODULE ADULT HEIGHT PLAN & ELEVATIONS	S-1.11	FLOOR FRAMING PLAN - CONCRETE FLOOR
A-1.04A	OPTIONAL RESTROOM END MODULE ALTERNATE HEIGHT PLANS	S-1.50	FLOOR FRAMING DETAILS - WOOD FLOOR
A-1.05	OPTIONAL RESTROOM END MODULE PLUMBING PLAN	S-1.60	FLOOR FRAMING DETAILS - CONCRETE FLOOR
A-1.06	TOILET BUILDING 24' x 40' ADULT HEIGHT PLAN & ELEVATIONS	S-2.01	ROOF FRAMING PLAN - MONO SLOPE
A-1.06A	TOILET BUILDING 24' x 40' ALTERNATE HEIGHT PLANS	S-2.03	ROOF FRAMING PLAN - PARAPET - MONO SLOPE
A-1.07	TOILET BUILDING 24' x 40' PLUMBING PLAN	S-2.11	ROOF FRAMING PLAN - DUAL SLOPE
A-1.08	TOILET BUILDING 24' x 40' INTERIOR ELEVATIONS	S-2.13	ROOF FRAMING PLAN - PARAPET - DUAL SLOPE
A-2.01	REFLECTED CEILING PLAN - 24' x 40'	S-2.50	ROOF FRAMING DETAILS - MONO SLOPE
A-2.02	REFLECTED CEILING PLAN - 36' x 40'	S-2.51	ROOF FRAMING DETAILS - DUAL SLOPE
A-2.03	REFLECTED CEILING PLAN - 48' TO 120' x 40'	S-2.60	ROOF FRAMING DETAILS
A-2.20	CEILING DETAILS - T-GRID	S-2.70	ROOF FRAMING DETAILS - PARAPET
A-2.21	CEILING DETAILS - HARD LID	S-2.90	ROOF FRAMING DETAILS - TRUSS
A-3.01	ROOF PLAN - 24' x 40' - METAL DECK - MONO OR DUAL SLOPE	S-3.01	BUILDING SECTION - MONO SLOPE
A-3.02	ROOF PLAN - 36' x 40' - METAL DECK - MONO OR DUAL SLOPE	S-3.02	BUILDING SECTION - DUAL SLOPE
A-3.03	ROOF PLAN - 48' TO 120' x 40' - METAL DECK - MONO SLOPE	S-5.00	WALL FRAMING ELEVATIONS - WOOD STUDS
A-3.04	ROOF PLAN - 48' TO 120' x 40' - METAL DECK - DUAL SLOPE	S-5.10	WALL FRAMING ELEVATIONS - STEEL STUDS
A-3.31	ROOF PLAN - 24' x 40' - PARAPET - MONO OR DUAL SLOPE	S-5.20	WALL FRAMING ELEVATIONS - STEEL STUDS
A-3.32	ROOF PLAN - 36' x 40' - PARAPET - MONO OR DUAL SLOPE	S-5.30	WALL FRAMING DETAILS - STEEL STUDS
A-3.33	ROOF PLAN - 48' TO 120' x 40' - PARAPET - MONO SLOPE	S-5.31	WALL FRAMING DETAILS - STEEL STUDS
A-3.34	ROOF PLAN - 48' TO 120' x 40' - PARAPET - DUAL SLOPE		
A-3.41	ROOF PLAN - 24' x 40' - TPO - MONO OR DUAL SLOPE	SHEET	PLUMBING
A-3.42	ROOF PLAN - 36' x 40' - TPO - MONO OR DUAL SLOPE	P-1.01	PLUMBING DETAILS AND SCHEDULE
A-3.43	ROOF PLAN - 48' TO 120' x 40' - TPO - MONO SLOPE		
A-3.44	ROOF PLAN - 48' TO 120' x 40' - TPO - DUAL SLOPE		
A-3.80	ROOF DETAILS - STANDING SEAM ROOF DECK	SHEET	MECHANICAL
A-3.81	ROOF DETAILS - PARAPET	M-0.1	MECHANICAL NOTES, SCHEDULES, AND DETAILS
A-3.90	ROOFING DETAILS - TPO ROOF	M-1.01	MECHANICAL PLAN - WALL MOUNT - 24' x 40'
A-4.01	EXTERIOR ELEVATIONS - 24' x 40' - MONO OR DUAL SLOPE	M-1.02	MECHANICAL PLAN - WALL MOUNT - 36' x 40'
A-4.02	EXTERIOR ELEVATIONS - 36' x 40' - MONO SLOPE	M-1.03	MECHANICAL PLAN - WALL MOUNT - 48' TO 120' x 40'
A-4.03	EXTERIOR ELEVATIONS - 36' x 40' - DUAL SLOPE	M-2.01	MECHANICAL PLAN - ROOF MOUNT - 24' x 40'
A-4.04	EXTERIOR ELEVATIONS - 48' TO 120' x 40' - MONO SLOPE	M-2.02	MECHANICAL ROOF PLAN - ROOF MOUNT - 24' x 40'
A-4.05	EXTERIOR ELEVATIONS - 48' TO 120' x 40' - DUAL SLOPE	M-3.01	MECHANICAL PLAN - ROOF MOUNT - 36' x 40'
A-4.21	EXTERIOR ELEVATIONS - 24' x 40' PARAPET - MONO OR DUAL SLOPE	M-3.02	MECHANICAL ROOF PLAN - ROOF MOUNT - 36' x 40'
A-4.22	EXTERIOR ELEVATIONS - 36' x 40' PARAPET - MONO OR DUAL SLOPE	M-4.01	MECHANICAL PLAN - ROOF MOUNT - 48' TO 120' x 40'
A-4.23	EXTERIOR ELEVATIONS - 48' x 120' x 40' PARAPET - MONO OR DUAL SLOPE	M-4.02	MECHANICAL ROOF PLAN - ROOF MOUNT - 48' TO 120' x 40'
A-5.01	CROSS SECT. - MONO SLOPE	SHEET	ELECTRICAL
A-5.02	CROSS SECT. - DUAL SLOPE	E-1.01	ELECTRICAL PLAN AND SCHEDULE - 24' x 40'
A-5.05	CROSS SECTION	E-1.02	ELECTRICAL PLAN AND SCHEDULE - 36' x 40'
A-5.50	ARCHITECTURAL DETAILS - WOOD STUD - SHTG	E-1.03	ELECTRICAL PLAN AND SCHEDULE - 48' TO 120' x 40'
A-5.51	ARCHITECTURAL DETAILS - WOOD STUD - PLASTER		
A-5.52	ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING - 1 HOUR RATED	SHEET	RAMP
A-5.53	ARCHITECTURAL DETAILS - WOOD STUD - PLASTER - 1 HOUR RATED	R-1.01	RAMP LANDING
A-5.60	ARCHITECTURAL DETAILS - STEEL STUD - SHTG	R-1.02	OFFSET RAMP PLAN
A-5.61	ARCHITECTURAL DETAILS - STEEL STUD - PLASTER	R-1.03	RAMP LANDING
A-5.62	ARCHITECTURAL DETAILS - STEEL STUD - 1 HOUR RATED	R-1.04	STANDARD LANDING WITH STEPS
A-5.63	ARCHITECTURAL DETAILS - STEEL STUD - PLASTER - 1 HOUR RATED	R-1.05	SWITCHBACK RAMP PLAN
A-5.64	ARCHITECTURAL DETAILS - 1 HOUR RATED OPTIONS	R-2.01	RAMP DETAILS
A-5.70	ARCHITECTURAL DETAILS - FLOOR	R-3.01	STANDARD CONCRETE RAMP AND DETAILS
A-5.71	DETERIORATION PROTECTION - NON-WD SIDING - CONC FLR - WD STUDS	SHEET	RELOCATABLE SHEETS
A-5.72	DETERIORATION PROTECTION - STUCCO FINISH - CONC FLR - WD STUDS	REL-101	BUILDING RELOCATION DETAILS
A-5.73	DETERIORATION PROTECTION - NON-WD SIDING - WD FLR - WD STUDS	REL-102	BUILDING RELOCATION DETAILS
A-5.74	DETERIORATION PROTECTION - STUCCO FINISH - WD FLR - WD STUDS		
A-5.75	DETERIORATION PROTECTION - NON-WD SIDING - CONC FLR - STL STUDS		
A-5.76	DETERIORATION PROTECTION - STUCCO FINISH - CONC FLR - STL STUDS		
A-5.77	DETERIORATION PROTECTION - NON-WD SIDING - WD FLR - STL STUDS		
A-5.78	DETERIORATION PROTECTION - STUCCO FINISH - WD FLR - STL STUDS		
A-5.80	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS		
A-5.81	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS		
A-6.01	INTERIOR ELEVATIONS - 24' x 40'		
A-6.02	INTERIOR ELEVATIONS - 36' x 40'		
A-6.03	INTERIOR ELEVATIONS - 48' TO 120' x 40'		

GENERAL NOTES

- FIRE ALARM IS NOT PART OF THIS APPROVAL.
- ALLOWABLE AREA IS BASED ON 10' SET BACK FROM IMAGINARY ASSUMED LINE PER 2022 CBC 705.3.
- THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.
- PC IS DESIGNED AS A SINGLE STORY MODULAR BUILDING.
- FOR SOILS TYPES / DESIGN BEARING STRENGTH, SEE STRUCTURAL SPECIFICATIONS.
- ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
- THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES.
- EXTERIOR WALL OPENINGS TO COMPLY W/ 705.8, 2022 CBC. THE USE OF UNPROTECTED OPENINGS SHALL BE VERIFIED IN THE PROJECT SPECIFIC APPLICATIONS.
- EXTERIOR PROJECTIONS ARE TO BE FIRE PROTECTED WHERE REQUIRED BY SECTIONS 705.2 & 1405.
- SEE SHEETS A-0.7 FOR REQUIRED BUILDING ENVELOPE ASSEMBLIES AND HVAC SYSTEM.
- PURSUANT TO D.S.A. APPROVAL ALL PRODUCTS CAN BE SUBSTITUTED BY AN "EQUAL".
- BUILDING(S) TO BE LOCATED IN ANY FIRE HAZARD SEVERITY ZONE OR ANY WILDLAND - URBAN INTERFACE FIRE AREA SHALL COMPLY WITH CBC CHAPTER 7A.
- WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES NEED TO COMPLY WITH CALGREEN CODE, SECTION 5.507.4 FOR THE SITE SPECIFIC LOCATION.
- IN THE EVENT THAT A PC CLASSROOM IS DESIGNED TO CONNECT TO THE SAME PC CLASSROOM, INTERIOR SOUND TRANSMISSION IN THE INTERIOR ADJOINING WALL AND FLOOR-CEILING SHALL MEET THE MINIMUM REQUIREMENTS OF THE STC RATINGS OF 40 PER CALGREEN CODE, SECTION 5.507.4.3.
- FOR THE CONCRETE BELOW GRADE (AMM*) FOUNDATION OPTION THIS PC USES A DSA APPROVED ALTERNATE MEANS OF COMPLIANCE WITH THE FOUNDATION DURABILITY REQUIREMENTS OF CBC 1402.2 + 1403.2 (WEATHER-RESISTANT EXTERIOR WALL ENVELOPE AND CONTINUOUS WATER-RESISTIVE BARRIER ON WALLS TO FOUNDATION) + 2304.12.1.2 (PROTECTION AGAINST DECAY AND TERMITES). DETAILS ARE PROVIDED ON SHEETS A-5.71 - A-5.78 AS APPLICABLE.
- THE BUILDING PAD ELEVATION SHALL ABOVE THE DESIGN FLOOD ELEVATION.
- WHEN THE SITE-SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A SEALLA EDED LETTER FROM A GEOTECHNICAL ENGINEER SHALL BE PROVIDED TO VALIDATE THE APPLICABILITY OF THE ALLOWABLE SOIL BEARING PRESSURES INDICATED ON THE PC DRAWINGS. EXCEPTION: THIS LETTER IS NOT REQUIRED FOR PROJECTS LOCATED IN FLOOD ZONE D WHEN A GEOTECHNICAL REPORT IS AVAILABLE FOR IMPROVEMENTS ON THE SAME PROJECT SITE, AND IN ACCORDANCE WITH THE CURRENT CBC, WHICH CONFIRMS THAT THE SITE IS NOT IN A FLOOD HAZARD ZONE OR CONFIRMS THAT THE FLOOD HAZARD DOES NOT RESULT IN A REDUCTION OF SOIL CAPACITY VALUES.

APPLICABLE STANDARDS

NFPA 13	AUTOMATIC SPRINKLER SYSTEMS (CA AMENDED)	2022 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED)	2022 EDITION
ACI 318	BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE	2019 EDITION
ASME A17.1	(W/A17.1A CSA B44-2019 ADDENDA) SAFETY CODE FOR ELEVATORS & ESCALATORS.	2007 EDITION

APPLICABLE CODES

2022 BUILDING ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R.
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.
TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.

BUILDING DATA

NUMBER OF STORIES:	1 - STORY
OCCUPANCY:	E or B
TYPE OF CONSTRUCTION:	V-B
FLOOR LIVE LOAD:	<input type="checkbox"/> 50 PSF <input checked="" type="checkbox"/> 50+15 PSF PARTITION LOAD <input type="checkbox"/> 100 PSF <input type="checkbox"/> 150 PSF
ROOF LIVE LOAD:	20 PSF
FLOOR DEAD LOAD:	<input checked="" type="checkbox"/> WOOD FLOOR - 11 PSF <input type="checkbox"/> CONCRETE FLOOR - 35 PSF
ROOF DEAD LOAD:	18 PSF (INCLUDING SPRINKLER LOAD AND SOLAR ALLOWANCE)
SOLAR ALLOWANCE:	0.6 PSF OVER ENTIRE ROOF AREA
RAMP LIVE LOAD:	100 PSF
BUILDING AREA:	<input checked="" type="checkbox"/> 24'x40' BLDG - 960 S.F. <input type="checkbox"/> 84'x40' BLDG - 3,360 S.F. <input type="checkbox"/> 36'x40' BLDG - 1,440 S.F. <input type="checkbox"/> 96'x40' BLDG - 3,840 S.F. <input type="checkbox"/> 48'x40' BLDG - 1,920 S.F. <input type="checkbox"/> 108'x40' BLDG - 4,320 S.F. * <input type="checkbox"/> 60'x40' BLDG - 2,400 S.F. <input type="checkbox"/> 120'x40' BLDG - 4,800 S.F. * <input type="checkbox"/> 72'x40' BLDG - 2,880 S.F. * SEE S-0.1 FOR GEOTECHNICAL REPORT REQUIREMENT
ALLOWABLE AREA: 9,000 S.F.	
(ALL W/O OVERHANGS)	
FOUNDATION:	<input checked="" type="checkbox"/> WOOD FOUNDATION <input type="checkbox"/> CONCRETE ABOVE GRADE <input type="checkbox"/> CONCRETE BELOW GRADE (SEE 103 SF CONDITIONAL) <input type="checkbox"/> CONCRETE BELOW GRADE (SMALL SEE NOTE 15)
CEC CLIMATE ZONE:	<input checked="" type="checkbox"/> ALL ZONES (1-16) <input type="checkbox"/> SINGLE ZONE (SEE PROJECT SPECIFIC DRAWINGS)
ALLOWABLE SOIL PRESSURE	
WOOD FOOTING (DL & DL+LL & DL+LL+SEISMIC)	1,000 psf
CONCRETE FOOTING (DL & DL+LL & DL+LL+SEISMIC)	1,500 psf
ROOF SNOW LOAD	
GROUND SNOW LOAD, P _g FROM COUNTY	0
ROOF SNOW LOAD:	<input type="checkbox"/> FLAT P _g OR <input type="checkbox"/> LOW-SLOW, P _g OR <input type="checkbox"/> SLOPED, P _g
SNOW EXPOSURE FACTOR C _e	-
SNOW IMPORTANCE FACTOR I _s	1.0
THERMAL FACTOR C _t	-
FLOOD DESIGN (SEE GENERAL NOTE #16 + 17)	
FLOOD HAZARD AREA	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
WIND DESIGN	
BASIC WIND SPEED (3 SECOND GUST) V _{ult}	120
RISK CATEGORY	II
WIND EXPOSURE CATEGORY	C
TOPOGRAPHIC FACTOR K _{zt}	1
SEISMIC DESIGN	
LATERAL FORCE-RESISTING SYSTEM	OMF
ANALYSIS PROCEDURE	EQUIV. LATERAL FORCE
SEISMIC DESIGN CATEGORY (SDC)	E
SEISMIC IMPORTANCE FACTOR I _b	1.0
SEISMIC RESPONSE COEFFICIENT C _s	0.45
RESPONSE MODIFICATION COEFFICIENT R	3.5
SITE CLASS	D
MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD S _s	2.8
SHORT PERIOD SITE COEFFICIENT F _s	1.2
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD S _{DS}	2.23 +++
MAPPED SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD S ₁	1.064 ++
LONG PERIOD SITE COEFFICIENT, F _l	1.7
DESIGN SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD S _{0.1}	1.2
HORIZONTAL OR VERTICAL IRREGULARITY TYPES	NONE
REDUNDANCY FACTOR R _{ho}	1.0
FUNDAMENTAL PERIOD T	< 0.5s
++ PER SUPPLEMENT 3 OF ASCE 7-16, STRUCTURES SITUATED IN SITE CLASS D WITH S1 VALUES THAT ARE EQUAL TO OR GREATER THAN 0.2 ARE EXEMPTED FROM THE AROUND MOTION HAZARD ANALYSIS. THIS EXEMPTION APPLIES WHEN THE PARAMETER SM1, DETERMINED THROUGH THE USE OF EQ. 11.4-2, IS ELEVATED BY 50% FOR ALL APPLICATIONS OF SM1	
+++ FOR THE PURPOSES OF CALCULATING C _s (PER ASCE 7-16 12.8.1.3) S _{0.5} = 1.56	

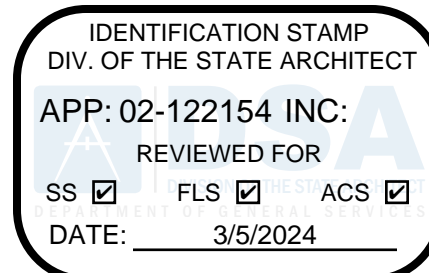
FOR SITE SPECIFIC PROJECT
 SOLAR PV IS REQUIRED AND REFERENCE SHEET A-0.7
 GEOTECH REPORT IS REQUIRED

SEISMIC DESIGN FOR SITE SPECIFIC PROJECTS

NO GEOTECHNICAL INVESTIGATION REQUIRED	
DESIGN BASED ON SITE CLASS D _{default}	
GEOTECHNICAL INVESTIGATION PROVIDED	
DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16	
DESIGN BASED ON SITE SPECIFIC GROUND MOTION HAZARD ANALYSIS PER CHAPTER 21 OF ASCE 7-16	
SHORT-PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, S _{0.5} , SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION	
CGS APPROVAL REQUIRED	
NOT ELIGIBLE FOR OTC REVIEW	
SITE CLASS: <input type="checkbox"/> C <input type="checkbox"/> D	
S _s = 0.71 Fa = 1.2	
S _s = 2/3 Fa S _s = 0.568	
C _s = 0.45 USED IN DESIGN	
SEISMIC DESIGN CATEGORY: <input checked="" type="checkbox"/> D <input type="checkbox"/> E	
* SITE SPECIFIC S _{0.5} VALUE BEFORE APPLYING REDUCTION ALLOWED BY ASCE 7 SECTION 12.8.1.3	

SEE SHEET A-0N

NOTE:
CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.



PROJECT SPECIFIC STATE AGENCY APPROVAL

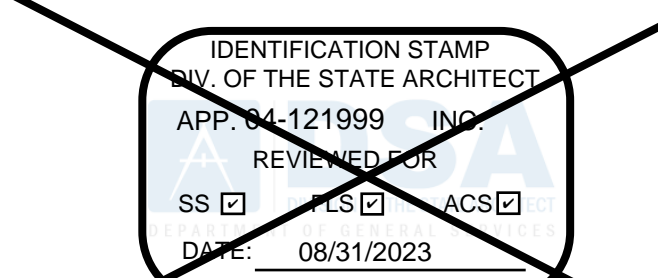
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PROJECT NAME:
**SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS**

SHEET TITLE:
COVER SHEET

REVISIONS
1
2
3
4
5

PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL



Silver Creek
2830 BARRETT AVE, PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023
P.C. SHEET NUMBER

A-0

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendices at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all tests of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

****NOTE:** Underlined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS		2. PERFORMED BY	
1. TYPE		SE (Structural Engineer)	SI (Special Inspector)
CONTINUOUS - Indicates that a continuous special inspection is required.			
PERIODIC - Indicates that a periodic special inspection is required.			
TEST - Indicates that a test is required.			
C1 CAST-IN-PLACE CONCRETE			
a. Verify cast of required design mix.	Periodic	SI	Table 1705A.3 Item 6, 1705A.1.
b. Verify, sample, and test reinforcing steel.	Test	LOR	1705A.2, ACI 318-19-20 and Section 26.1.2, DSA R 17-10. (See Appendix A for details.)
c. During concrete placement, monitor concrete for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6, ACI 318-19-20 Sections 26.5.2 & 26.12.
d. Test concrete (f _c).	Test	LOR	1705A.1, 17, ACI 318-19 Section 26.12.
e. Batch plant inspection Periodic	See Notes	SI	Details of Continuum per 1705A.3.3 if approved by DSA, batch plant inspection may be waived. Refer to requirements in Section 1705A.3.3.1, or minimum per 1705A.3.3.2, see R 17-13. (See Appendix A for details.)
f. Welding of reinforcing steel.			Provide special inspection per STEEL, Category 5(A)(6) & (7) below.
C2 PREFRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1)			
a. Sample and test prestressing tendons and anchorage.	Test	LOR	1705A.3.4, 1705A.3.
b. Inspect placement of prestressing tendons.	Periodic	SI	1705A.3.4, Table 1705A.3 Item 1 & 6.
c. Test of special inspection	Type	Performed By	Code Reference and Notes
d. Verify concrete strength prior to stressing of post-tensioning tendons.	Periodic	SI	Table 1705A.3 Item 10. Special inspection to verify specified concrete strength test prior to stressing.
e. Inspect application of post-tensioning or prestressing tendons including grouting of bedded prestressing tendons.	Continuous	SI	Table 1705A.3, Table 1705A.3 Item 9, ACI 318-14 Section 25.13.
C3 PRECAST CONCRETE (IN ADDITION TO SECTION C1)			
a. Inspect fabrication of precast concrete members.	Continuous	SI	ACI 318-19 Section 25.13.
b. Inspect erection of precast concrete members.	Periodic	SI	Table 1705A.3 Item 10. May be performed by FR when specifically approved by DSA.
c. For precast concrete diaphragm connections or reinforcement of joints, inspect as moderate or high deformability elements. MOC or FRD in situations subject to Seismic Design Category C, E, or F. Inspect as moderate or high deformability elements in all other cases.	Continuous	SI	Table 1705A.3 Item 10. May be performed by FR when specifically approved by DSA.
d. Installation of embedded pipes.			1. Installation of the continuity of reinforcement elements. 2. Completion of connections in the field.
e. Inspect installation of precast concrete diaphragm connections or reinforcement of joints.	Periodic	SI	Table 1705A.3, ACI 318-19 Section 25.13.1.2, 500.3.
C4 SPOUTABLE (IN ADDITION TO SECTION C1)			
a. Inspect application of precast concrete members.	Continuous	SI	1705A.3.4, Table 1705A.3 Item 1, 1705A.1, 1705A.3, See application instructions.
b. Sample and test concrete (f _c).	Test	LOR	1705A.3, 1705A.3.9.
OL POST-INSTALLED ANCHORS			
a. Inspect installation of post-installed anchors.	See Notes	SI	1817A.1.18, Table 1705A.3 Item 4a (Continuum) & 4b (Periodic), ACI 308-14 Section 17.8 & 18.13. May be performed by the project inspector when specifically approved by DSA.
b. Test post-installed anchors.	Test	LOR	1705A.3. (See Appendix A for details of test forms for exemptions).
06 OTHER CONCRETE			
a. Test of special inspection	Type	Performed By	Code Reference and Notes
Exempt items given in DSA R-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. Items marked with a check mark are identified on the approved construction documents. The project inspector shall verify all construction complies with the approved construction documents.			
SOLES			
1. Deep foundations acting as a cantilever footing with a design based on minimum allowable pressure per CBC Table 1806A.2 and without a geotechnical report for the following cases: A) Free standing sign or scoreboard, B) Cell or antenna towers and poles less than 30' tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) Single-story structure with dead load less than 20' psf (e.g., open fabric shade structures), or D) Covered walkway structure with an open height less than 10' of above adjacent grade.	Periodic	SI	Table 1705A.13.7.
2. Shallow foundations, etc., are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) Buildings without a geotechnical report and meeting the exception item 1) criteria in CBC Section 1806A.2 supported by native soil (any excavation depth) or fill soil not exceeding 12' depth per CBC Section 1806A.6, B) soil classification/compaction not exceeding 12" depth, C) minor or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, stairs, parking lots, driveways, etc.), D) unpaired landscaping and playground areas, or E) utility trench basins.	Periodic	SI	Table 1705A.13.7. May be performed by the project inspector when specifically approved by DSA.
CONCRETE MASONRY			
1. Pre-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see Item 7 for "Welding" in the Appendix below) given in CBC Section 1817A.1.18 (which replaces ACE 7-18, Section 13.1.4) or B) interior non-structural wall partitions meeting criteria listed in exempt Item 3 for "Welding" in the Appendix below.	Continuous	SI	Table 1705A.3.3.1, 1705A.3.3.2, 1705A.3.3.3, 1705A.3.3.4, 1705A.3.3.5, 1705A.3.3.6, 1705A.3.3.7, 1705A.3.3.8, 1705A.3.3.9, 1705A.3.3.10, 1705A.3.3.11, 1705A.3.3.12, 1705A.3.3.13, 1705A.3.3.14, 1705A.3.3.15, 1705A.3.3.16, 1705A.3.3.17, 1705A.3.3.18, 1705A.3.3.19, 1705A.3.3.20, 1705A.3.3.21, 1705A.3.3.22, 1705A.3.3.23, 1705A.3.3.24, 1705A.3.3.25, 1705A.3.3.26, 1705A.3.3.27, 1705A.3.3.28, 1705A.3.3.29, 1705A.3.3.30, 1705A.3.3.31, 1705A.3.3.32, 1705A.3.3.33, 1705A.3.3.34, 1705A.3.3.35, 1705A.3.3.36, 1705A.3.3.37, 1705A.3.3.38, 1705A.3.3.39, 1705A.3.3.40, 1705A.3.3.41, 1705A.3.3.42, 1705A.3.3.43, 1705A.3.3.44, 1705A.3.3.45, 1705A.3.3.46, 1705A.3.3.47, 1705A.3.3.48, 1705A.3.3.49, 1705A.3.3.50, 1705A.3.3.51, 1705A.3.3.52, 1705A.3.3.53, 1705A.3.3.54, 1705A.3.3.55, 1705A.3.3.56, 1705A.3.3.57, 1705A.3.3.58, 1705A.3.3.59, 1705A.3.3.60, 1705A.3.3.61, 1705A.3.3.62, 1705A.3.3.63, 1705A.3.3.64, 1705A.3.3.65, 1705A.3.3.66, 1705A.3.3.67, 1705A.3.3.68, 1705A.3.3.69, 1705A.3.3.70, 1705A.3.3.71, 1705A.3.3.72, 1705A.3.3.73, 1705A.3.3.74, 1705A.3.3.75, 1705A.3.3.76, 1705A.3.3.77, 1705A.3.3.78, 1705A.3.3.79, 1705A.3.3.80, 1705A.3.3.81, 1705A.3.3.82, 1705A.3.3.83, 1705A.3.3.84, 1705A.3.3.85, 1705A.3.3.86, 1705A.3.3.87, 1705A.3.3.88, 1705A.3.3.89, 1705A.3.3.90, 1705A.3.3.91, 1705A.3.3.92, 1705A.3.3.93, 1705A.3.3.94, 1705A.3.3.95, 1705A.3.3.96, 1705A.3.3.97, 1705A.3.3.98, 1705A.3.3.99, 1705A.3.3.100, 1705A.3.3.101, 1705A.3.3.102, 1705A.3.3.103, 1705A.3.3.104, 1705A.3.3.105, 1705A.3.3.106, 1705A.3.3.107, 1705A.3.3.108, 1705A.3.3.109, 1705A.3.3.110, 1705A.3.3.111, 1705A.3.3.112, 1705A.3.3.113, 1705A.3.3.114, 1705A.3.3.115, 1705A.3.3.116, 1705A.3.3.117, 1705A.3.3.118, 1705A.3.3.119, 1705A.3.3.120, 1705A.3.3.121, 1705A.3.3.122, 1705A.3.3.123, 1705A.3.3.124, 1705A.3.3.125, 1705A.3.3.126, 1705A.3.3.127, 1705A.3.3.128, 1705A.3.3.129, 1705A.3.3.130, 1705A.3.3.131, 1705A.3.3.132, 1705A.3.3.133, 1705A.3.3.134, 1705A.3.3.135, 1705A.3.3.136, 1705A.3.3.137, 1705A.3.3.138, 1705A.3.3.139, 1705A.3.3.140, 1705A.3.3.141, 1705A.3.3.142, 1705A.3.3.143, 1705A.3.3.144, 1705A.3.3.145, 1705A.3.3.146, 1705A.3.3.147, 1705A.3.3.148, 1705A.3.3.149, 1705A.3.3.150, 1705A.3.3.151, 1705A.3.3.152, 1705A.3.3.153, 1705A.3.3.154, 1705A.3.3.155, 1705A.3.3.156, 1705A.3.3.157, 1705A.3.3.158, 1705A.3.3.159, 1705A.3.3.160, 1705A.3.3.161, 1705A.3.3.162, 1705A.3.3.163, 1705A.3.3.164, 1705A.3.3.165, 1705A.3.3.166, 1705A.3.3.167, 1705A.3.3.168, 1705A.3.3.169, 1705A.3.3.170, 1705A.3.3.171, 1705A.3.3.172, 1705A.3.3.173, 1705A.3.3.174, 1705A.3.3.175, 1705A.3.3.176, 1705A.3.3.177, 1705A.3.3.178, 1705A.3.3.179, 1705A.3.3.180, 1705A.3.3.181, 1705A.3.3.182, 1705A.3.3.183, 1705A.3.3.184, 1705A.3.3.185, 1705A.3.3.186, 1705A.3.3.187, 1705A.3.3.188, 1705A.3.3.189, 1705A.3.3.190, 1705A.3.3.191, 1705A.3.3.192, 1705A.3.3.193, 1705A.3.3.194, 1705A.3.3.195, 1705A.3.3.196, 1705A.3.3.197, 1705A.3.3.198, 1705A.3.3.199, 1705A.3.3.200, 1705A.3.3.201, 1705A.3.3.202, 1705A.3.3.203, 1705A.3.3.204, 1705A.3.3.205, 1705A.3.3.206, 1705A.3.3.207, 1705A.3.3.208, 1705A.3.3.209, 1705A.3.3.210, 1705A.3.3.211, 1705A.3.3.212, 1705A.3.3.213, 1705A.3.3.214, 1705A.3.3.215, 1705A.3.3.216, 1705A.3.3.217, 1705A.3.3.218, 1705A.3.3.219, 1705A.3.3.220, 1705A.3.3.221, 1705A.3.3.222, 1705A.3.3.223, 1705A.3.3.224, 1705A.3.3.225, 1705A.3.3.226, 1705A.3.3.227, 1705A.3.3.228, 1705A.3.3.229, 1705A.3.3.230, 1705A.3.3.231, 1705A.3.3.232, 1705A.3.3.233, 1705A.3.3.234, 1705A.3.3.235, 1705A.3.3.236, 1705A.3.3.237, 1705A.3.3.238, 1705A.3.3.239, 1705A.3.3.240, 1705A.3.3.241, 1705A.3.3.242, 1705A.3.3.243, 1705A.3.3.244, 1705A.3.3.245, 1705A.3.3.246, 1705A.3.3.247, 1705A.3.3.248, 1705A.3.3.249, 1705A.3.3.250, 1705A.3.3.251, 1705A.3.3.252, 1705A.3.3.253, 1705A.3.3.254, 1705A.3.3.255, 1705A.3.3.256, 1705A.3.3.257, 1705A.3.3.258, 1705A.3.3.259, 1705A.3.3.260, 1705A.3.3.261, 1705A.3.3.262, 1705A.3.3.263, 1705A.3.3.264, 1705A.3.3.265, 1705A.3.3.266, 1705A.3.3.267, 1705A.3.3.268, 1705A.3.3.269, 1705A.3.3.270, 1705A.3.3.271, 1705A.3.3.272, 1705A.3.3.273, 1705A.3.3.274, 1705A.3.3.275, 1705A.3.3.276, 1705A.3.3.277, 1705A.3.3.278, 1705A.3.3.279, 1705A.3.3.280, 1705A.3.3.281, 1705A.3.3.282, 1705A.3.3.283, 1705A.3.3.284, 1705A.3.3.285, 1705A.3.3.286, 1705A.3.3.287, 1705A.3.3.288, 1705A.3.3.289, 1705A.3.3.290, 1705A.3.3.291, 1705A.3.3.292, 1705A.3.3.293, 1705A.3.3.294, 1705A.3.3.295, 1705A.3.3.296, 1705A.3.3.297, 1705A.3.3.298, 1705A.3.3.299, 1705A.3.3.300, 1705A.3.3.301, 1705A.3.3.302, 1705A.3.3.303, 1705A.3.3.304, 1705A.3.3.305, 1705A.3.3.306, 1705A.3.3.307, 1705A.3.3.308, 1705A.3.3.309, 1705A.3.3.310, 1705A.3.3.311, 1705A.3.3.312, 1705A.3.3.313, 1705A.3.3.314, 1705A.3.3.315, 1705A.3.3.316, 1705A.3.3.317, 1705A.3.3.318, 1705A.3.3.319, 1705A.3.3.320, 1705A.3.3.321, 1705A.3.3.322, 1705A.3.3.323, 1705A.3.3.324, 1705A.3.3.325, 1705A.3.3.326, 1705A.3.3.327, 1705A.3.3.328, 1705A.3.3.329, 1705A.3.3.330, 1705A.3.3.331, 1705A.3.3.332, 1705A.3.3.333, 1705A.3.3.334, 1705A.3.3.335, 1705A.3.3.336, 1705A.3.3.337, 1705A.3.3.338, 1705A.3.3.339, 1705A.3.3.340, 1705A.3.3.341, 1705A.3.3.342, 1705A.3.3.343, 1705A.3.3.344, 1705A.3.3.345, 1705A.3.3.346, 1705A.3.3.347, 1705A.3.3.348, 1705A.3.3.349, 1705A.3.3.350, 1705A.3.3.351, 1705A.3.3.352, 1705A.3.3.353, 1705A.3.3.354, 1705A.3.3.355, 1705A.3.3.356, 1705A.3.3.357, 1705A.3.3.358, 1705A.3.3.359, 1705A.3.3.360, 1705A.3.3.361, 1705A.3.3.362, 1705A.3.3.363, 1705A.3.3.364, 1705A.3.3.365, 1705A.3.3.366, 1705A.3.3.367, 1705A.3.3.368, 1705A.3.3.369, 1705A.3.3.370, 1705A.3.3.371, 1705A.3.3.372, 1705A.3.3.373, 1705A.3.3.374, 1705A.3.3.375, 1705A.3.3.376, 1705A.3.3.377, 1705A.3.3.378, 1705A.3.3.379, 1705A.3.3.380, 1705A.3.3.381, 1705A.3.3.382, 1705A.3.3.383, 1705A.3.3.384, 1705A.3.3.385, 1705A.3.3.386, 1705A.3.3.387, 1705A.3.3.388, 1705A.3.3.389, 1705A.3.3.390, 1705A.3.3.391, 1705A.3.3.392, 1705A.3.3.393, 1705A.3.3.394, 1705A.3.3.395, 1705A.3.3.396, 1705A.3.3.397, 1705A.3.3.398, 1705A.3.3.399, 1705A.3.3.400, 1705A.3.3.401, 1705A.3.3.402, 1705A.3.3.403, 1705A.3.3.404, 1705A.3.3.405, 1705A.3.3.406, 1705A.3.3.407, 1705A.3.3.408, 1705A.3.3.409, 1705A.3.3.410, 1705A.3.3.411, 1705A.3.3.412, 1705A.3.3.413, 1705A.3.3.414, 1705A.3.3.415, 1705A.3.3.416, 1705A.3.3.417, 1705A.3.3.418, 1705A.3.3.419, 1705A.3.3.420, 1705A.3.3.421, 1705A.3.3.422, 1705A.3.3.423, 1705A.3.3.424, 1705A.3.3.425, 1705A.3.3.426, 1705A.3.3.427, 1705A.3.3.428, 1705A.3.3.429, 1705A.3.3.430, 1705A.3.3.431, 1705A.3.3.432, 1705A.3.3.433, 1705A.3.3.434, 1705A.3.3.435, 1705A.3.3.436, 1705A.3.3.437, 1705A.3.3.438, 1705A.3.3.439, 1705A.3.3.440, 1705A.3.3.441, 1705A.3.3.442, 1705A.3.3.443, 1705A.3.3.444, 1705A.3.3.445, 1705A.3.3.446, 1705A.3.3.447, 1705A.3.3.448, 1705A.3.3.449, 1705A.3.3.450, 1705A.3.3.451, 1705A.3.3.452, 1705A.3.3.453, 1705A.3.3.454, 1705A.3.3.455, 1705A.3.3.456, 1705A.3.3.457, 1705A.3.3.458, 1705A.3.3.459, 1705A.3.3.460, 1705A.3.3.461, 1705A.3.3.462, 1705A.3.3.463, 1705A.3.3.464, 1705A.3.3.465, 1705A.3.3.466, 1705A.3.3.467, 1705A.3.3.468, 1705A.3.3.469, 1705A.3.3.470, 1705A.3.3.471, 1705A.3.3.472, 1705A.3.3.473, 1705A.3.3.474, 1705A.3.3.475, 1705A.3.3.476, 1705A.3.3.477, 1705A.3.3.478, 1705A.3.3.479, 1705A.3.3.480, 1705A.3.3.481, 1705A.3.3.482, 1705A.3.3.483, 1705A.3.3.484, 1705A.3.3.485, 1705A.3.3.486, 1705A.3.3.487, 1705A.3.3.488, 1705A.3.3.489, 1705A.3.3.490, 1705A.3.3.491, 1705A.3.3.492, 1705A.3.3.493, 1705A.3.3.494, 1705A.3.3.495, 1705A.3.3.496, 1705A.3.3.497, 1705A.3.3.498, 1705A.3.3.499, 1705A.3.3.500, 1705A.3.3.501, 1705A.3.3.502, 1705A.3.3.503, 1705A.3.3.504, 1705A.3.3.505, 1705A.3.3.506, 1705A.3.3.507, 1705A.3.3.508, 1705A.3.3.509, 1705A.3.3.510, 1705A.3.3.511, 1705A.3.3.512, 1705A.3.3.513, 1705A.3.3.514, 1705A.3.3.515, 1705A.3.3.516, 1705A.3.3.517, 1705A.3.3.518, 1705A.3.3.519, 1705A.3.3.520, 1705A.3.3.521, 1705A.3.3.522, 1705A.3.3.523, 1705A.3.3.524, 1705A.3.3.525, 1705A.3.3.526, 1705A.3.3.527, 1705A.3.3.528, 1705A.3.3.529, 1705A.3.3.530, 1705A.3.3.531, 1705A.3.3.532, 1705A.3.3.533, 1705A.3.3.534, 1705A.3.3.535, 1705A.3.3.536, 1705A.3.3.537, 1705A.3.3.538, 1705A.3.3.539, 1705A.3.3.540, 1705A.3.3.541, 1705A.3.3.542, 1705A.3.3.543, 1705A.3.3.544, 1705A.3.3.545, 1705A.3.3.546, 1705A.3.3.547, 1705A.3.3.548, 1705A.3.3.549, 1705A.3.3.550, 1705A.3.3.551, 1705A.3.3.552, 1705A.3.3.553, 1705A.3.3.554, 1705A.3.3.555, 1705A.3.3.556, 1705A.3.3.557, 1705A.3.3.558, 1705A.3.3.559, 1705A.3.3.560, 1705A.3.3.561, 1705A.3.3.562, 1705A.3.3.563, 1705A.3.3.564, 1705A.3.3.565, 1705A.3.3.566, 1705A.3.3.567, 1705A.3.3.568, 1705A.3.3.569, 1705A.3.3.570, 1705A.3.3.571, 1705A.3.3.572, 1705A.3.3.573, 1705A.3.3.574, 1705A.3.3.575, 1705A.3.3.576, 1705A.3.3.577, 1705A.3.3.578, 1705A.3.3.579, 1705A.3.3.580, 1705A.3.3.581, 1705A.3.3.582, 1705A.3.3.583, 1705A.3.3.584, 1705A.3.3.585, 1705A.3.3.586, 1705A.3.3.587, 1705A.3.3.588, 1705A.3.3.589, 1705A.3.3.590, 1705A.3.3.591, 1705A.3.3.592, 1705A.3.3.593, 1705A.3.3.594, 1705A.3.3.595, 1705A.3.3.596, 1705A.3.3.597, 1705A.3.3.598, 1705A.3.3.599, 1705A.3.3.600, 1705A.3.3.601, 1705A.3.3.602, 1705A.3.3.603, 1705A.3.3.604, 1705A.3.3.605, 1705A.3.3.606, 1705A.3.3.607, 1705A.3.3.608, 1705A.3.3.609, 1705A.3.3.610, 1705A.3.3.611, 1705A.3.3.612, 1705A.3.3.613, 1705A.3.3.614, 1705A.3.3.615, 1705A.3.3.616, 1705A.3.3.617, 1705A.3.3.618, 1705A.3.3.619, 1705A.3.3.620, 1705A.3.3.621, 1705A.3.3.622, 1705A.3.3.623, 1705A.3.3.624, 1705A.3.3.625, 1705A.3.3.626, 1705A.3.3.627, 1705A.3.3.628, 1705A.3.3.629, 1705A.3.3.630, 1705A.3.3.631, 1705A.3.3.632, 1705A.3.3.633, 1705A.3.3.634, 1705A.3.3.635, 1705A.3.3.636, 1705A.3.3.637, 1705A.3.3.638, 1705A.3.3.639, 1705A.3.3.640, 1

REFLECTED CEILING NOTES

1. CEILING SYSTEM GENERAL NOTES

- 1.01 Ceiling system components shall comply with ASTM C635 and Section 5.1 of ASTM E580.
- 1.02 The ceiling grid system must be rated heavy duty as defined by ASTM C635.
- 1.03 Ceiling systems. The following ceiling system(s) is/are part of the scope of this project:

Manufacturer: Armstrong
 Evaluation Report Type and Number: ICC ESR-1308
 Main Runner Part, Model, or Catalog Number: 7321
 Cross Runner Part, Model, or Catalog Number: XL7328

1.04 Seismic Wall Clip:

Manufacturer's Model: BERG-2

- 1.05 Ceiling panels shall not support any luminaires, air terminals or devices.
- 1.06 For ceiling installations utilizing acoustic tile panels of mineral or glass fiber, it is not mandatory to provide 1/2" clearance between the acoustic tile panels and the wall on the sides of the ceiling which are free to slip. For all other ceiling panel types, provide 1/2" clearance between the ceiling panel and the wall on the sides of the ceiling free to slip. Clearance between ceiling grid runners/members and walls shall comply with the details on these drawings regardless of ceiling tile material.

2. MATERIALS

- 2.01 Ceiling wire shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641. Wire shall be #12 gauge (0.106" diameter) with soft temper and minimum ultimate tensile strength = 70 ksi.
- 2.02 Galvanized sheet steel (including that used for metal stud and track compression struts/post) shall conform to ASTM A653, or other equivalent sheet steel listed in Section A3.1 of the North American Specification for the Design of Cold-Formed Steel Structural Members, (AISI S100). Material 43 mil (18 gauge) and lighter shall have minimum yield strength of 33 ksi. Material 54 mil (16 gauge) and heavier shall have a minimum yield strength of 50 ksi.
- 2.03 Electrical metallic tube (EMT) shall be ANSI C80.3/L19 7/8 carbon steel with G90 galvanizing. EMT shall have minimum yield strength (FY) of 30 ksi and minimum ultimate strength (FU) of 48 ksi.

3. ATTACHMENT OF HANGER AND BRACING WIRES

- 3.01 Separate all ceiling hanger and bracing wires at least 6 inches from all unbraced ducts, pipes, conduit, etc.
- 3.02 Hanger and bracing wires shall not attach to or bend around obstructions including but not limited to piping, ductwork, conduit and equipment.
- 3.03 Hanger wires that are more than one (horizontal) in six (vertical) out of plumb shall have counter-sloping wires.
- 3.04 Slack safety wires shall be considered hanger wires for installation and testing requirements.
- 3.05 Hanger and bracing wire anchorage to the structure shall be installed in such a manner that the direction of the anchorage aligns closely with the direction of the wire (e.g. bracing wire ceiling clips must be bent as shown in the details and rotated as required to align closely with the direction of the wire, screw eyes in wood must be installed so they align closely with the direction of the wire, etc.).

4. FASTENERS AND WELDING

- 4.01 Sheet metal screws shall comply with ASTM C1513 and ASME B18.6.3. Penetration of screws through joined material shall not be less than three (3) threads.
- 4.02 Expansion anchors shall be: [RDP to indicate manufacturer, product, evaluation report number and test load for each size specified per CBC 910A.5.4.]
- 4.03 Power-Actuated Fasteners shall be: [RDP to indicate manufacturer, product, evaluation report number.]
- 4.04 If not otherwise specified in the evaluation report, power-actuated fasteners installed in steel shall be installed so the entire pointed end of the fastener is driven through the steel member.
- 4.05 Power-actuated fasteners in concrete or masonry are not permitted for bracing wires.
- 4.06 Concrete reinforcement and prestressing tendons shall be located by non-destructive means prior to installing post-installed anchors.
- 4.07 Welding shall be in accordance with AWS D1.3 using E60XX series electrodes.

5. TESTING

- 5.01 All field testing must be performed in the presence of the project inspector.
- 5.02 Post-installed anchors in concrete used to support hanger wires shall be tested at a frequency of 10 percent. Power-actuated fasteners in concrete shall be field tested for 200 pounds in tension. All other post-installed anchors in concrete shall be tested in accordance with CBC Section 910A.5.
- 5.03 Post-installed anchors in concrete used to attach bracing wires shall be tested at a frequency of 50 percent in accordance with CBC Section 910A.5.

6. LUMINAIRES

- 6.01 All luminaires shall be positively attached to the ceiling suspension systems by mechanical means to resist a horizontal force equal to the weight of the luminaire. A minimum of two screws or approved fasteners are required at each luminaire, per ASTM E580 Section 5.3.1.
- 6.02 Surface-mounted luminaires shall be attached to the main runner with at least two positive clamping devices. The clamping device shall completely surround the supporting ceiling runner and be made of steel with a minimum thickness of #14 gauge. Rotational spring catches do not apply. A #12 gauge slack safety wire shall be connected from each clamping device to the structure above. Provide additional supports when a luminaire is 8 feet or longer or exceeds 56 pounds. Maximum spacing between supports shall not exceed 8 feet.
- 6.03 Luminaires weighing less than or equal to 10 pounds may be supported directly on the ceiling runners, shall have a minimum of one #12 gauge slack safety wire connected from the fixture housing to the structure above.
- 6.04 Luminaires weighing greater than 10 pounds but less than or equal to 56 pounds may be supported directly on the ceiling runners, but they shall have a minimum of two #12 gauge slack safety wires connected from the fixture housing at diagonal corners to the structure above.
 Exception: All luminaires greater than two by four feet weighing less than 56 pounds shall have a #12 gauge slack safety wire in each corner.
- 6.05 All luminaires weighing greater than 56 pounds shall be independently supported by not less than four #12 gauge hanger wires (one at each corner) attached from the fixture housing to the structure above or other approved hangers. The four #12 gauge wires or other approved hangers, including their attachment to the structure above, shall be capable of supporting four times the weight of the fixture.

7. SERVICES WITHIN THE CEILING

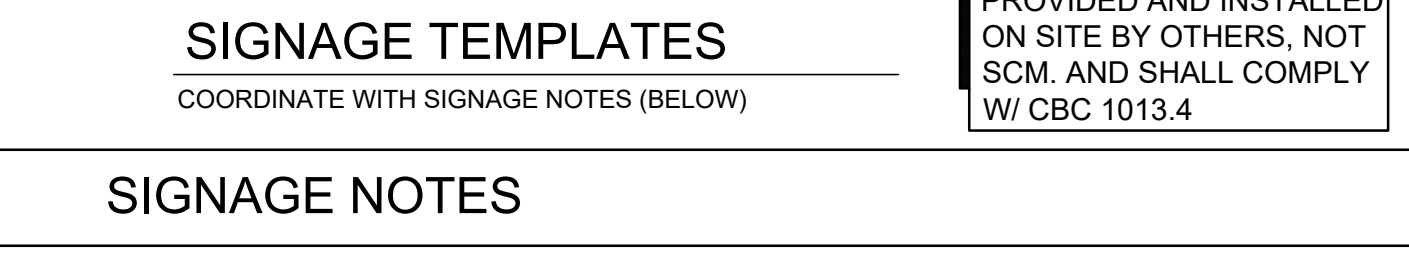
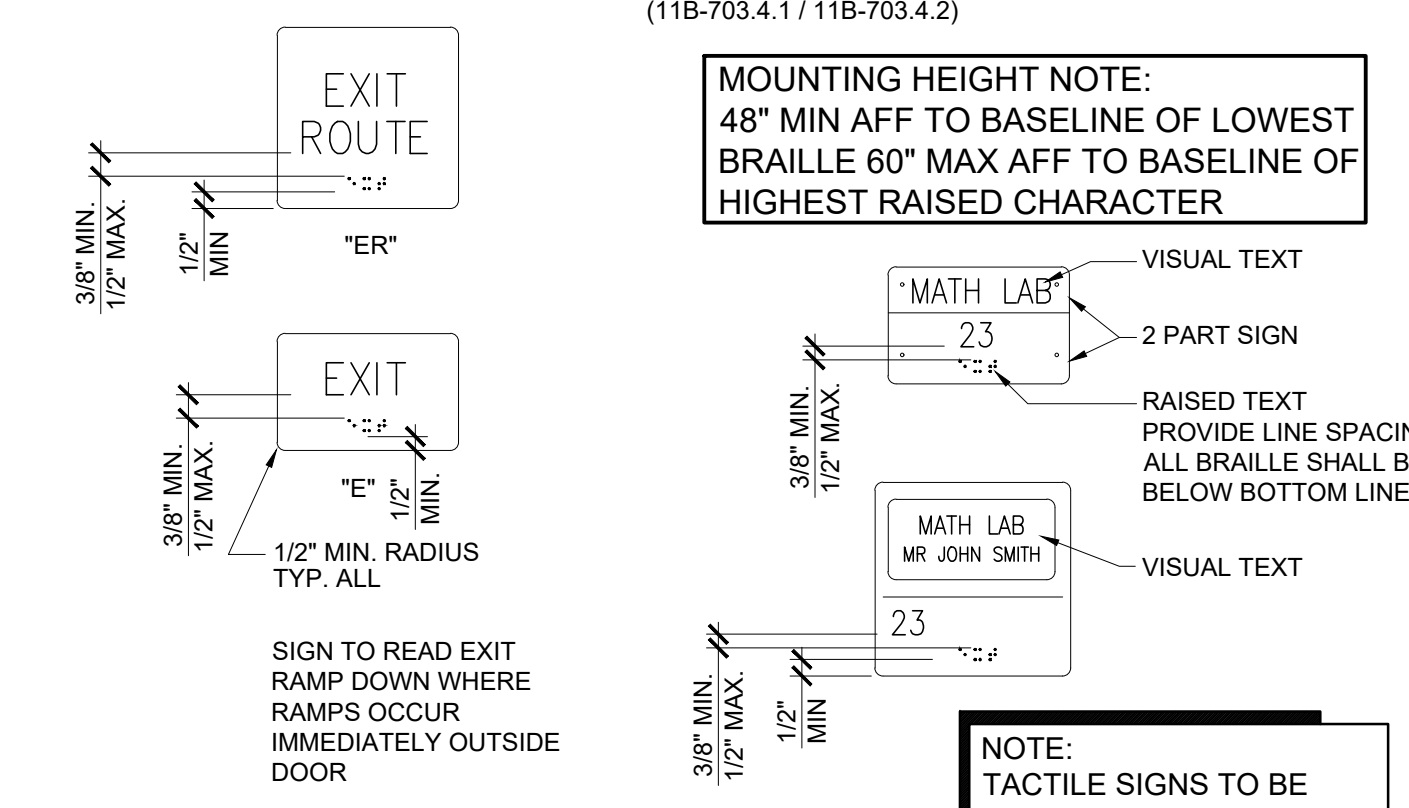
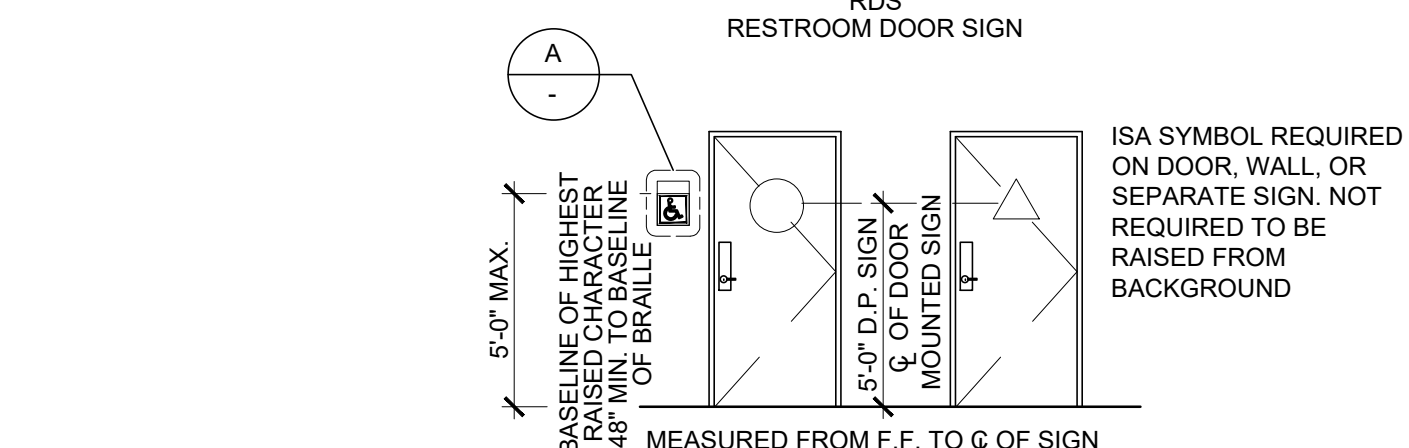
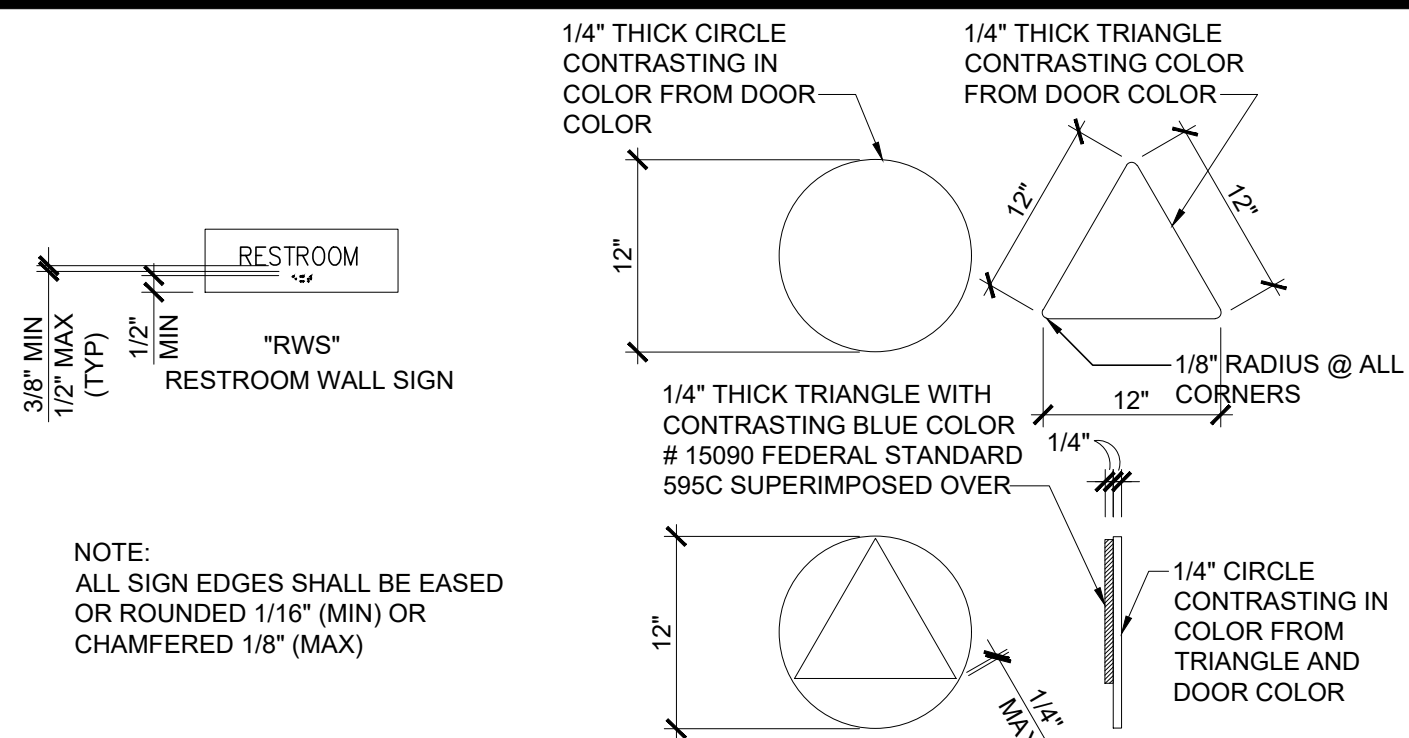
- 7.01 All flexible sprinkler hose fitting mounting brackets, ceiling-mounted air terminals or other services shall be positively attached to the ceiling suspension systems by mechanical means. Screws or approved fasteners are required. A minimum of two attachments are required at each component.
- 7.02 Ceiling-mounted air terminals or other services weighing less than or equal to 20 pounds shall have one #12 gauge slack safety wire attached from the terminal or service to the structure above.
- 7.03 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 20 pounds but less than or equal to 56 pounds shall have two #12 gauge slack safety wires (at diagonal corners) connected from the terminal or service to the structure above.
- 7.04 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 56 pounds shall be supported directly from the structure above by not less than four #12 gauge hanger wires attached from the terminal or service to the structure above or other approved hangers.

8. OTHER DEVICES WITHIN THE CEILING

- 8.01 All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid. In addition, devices weighing more than 10 pounds shall have a #12 gauge slack safety wire anchored to the structure above. Devices weighing more than 20 pounds shall be supported independently from the structure above.

NOTE: ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE AND CBC CLASS C FLAME-SPREAD 76-200; SMOKE-DEVELOPED 0-450.

NOTE: PER CBC SECTION 718.2.1. FIRE BLOCKS MAY BE OF GYPSUM BOARD, CEMENT FIBER BOARD, BATTS OR MINERAL OR GLASS FIBER, OR OTHER APPROVED MATERIALS INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE. LOOSE-FILL INSULATION MATERIAL SHALL NOT BE USED AS A FIRE BLOCK UNLESS SPECIFICALLY TESTED IN THE FORM AND MANNER INTENDED FOR USE TO DEMONSTRATE ITS ABILITY TO REMAIN IN PLACE AND TO RETARD THE SPREAD OF FIRE AND HOT GASES, (SECTION 718.2.1). FLAME SPREAD - 25 SMOKE DEVELOPMENT - 50 MAX FIRE BLOCKING IS NOT REQUIRED WITHIN CONCEALED SPACES CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS



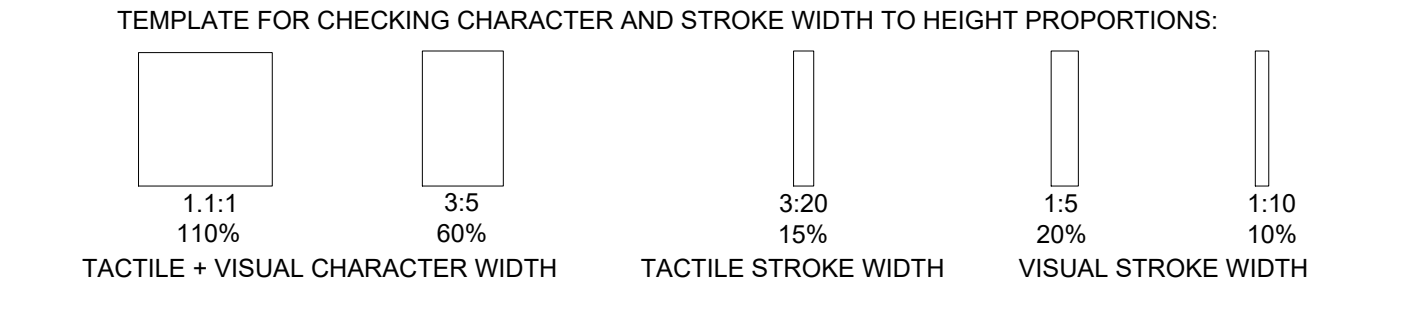
SIGNAGE TEMPLATES

COORDINATE WITH SIGNAGE NOTES (BELOW)

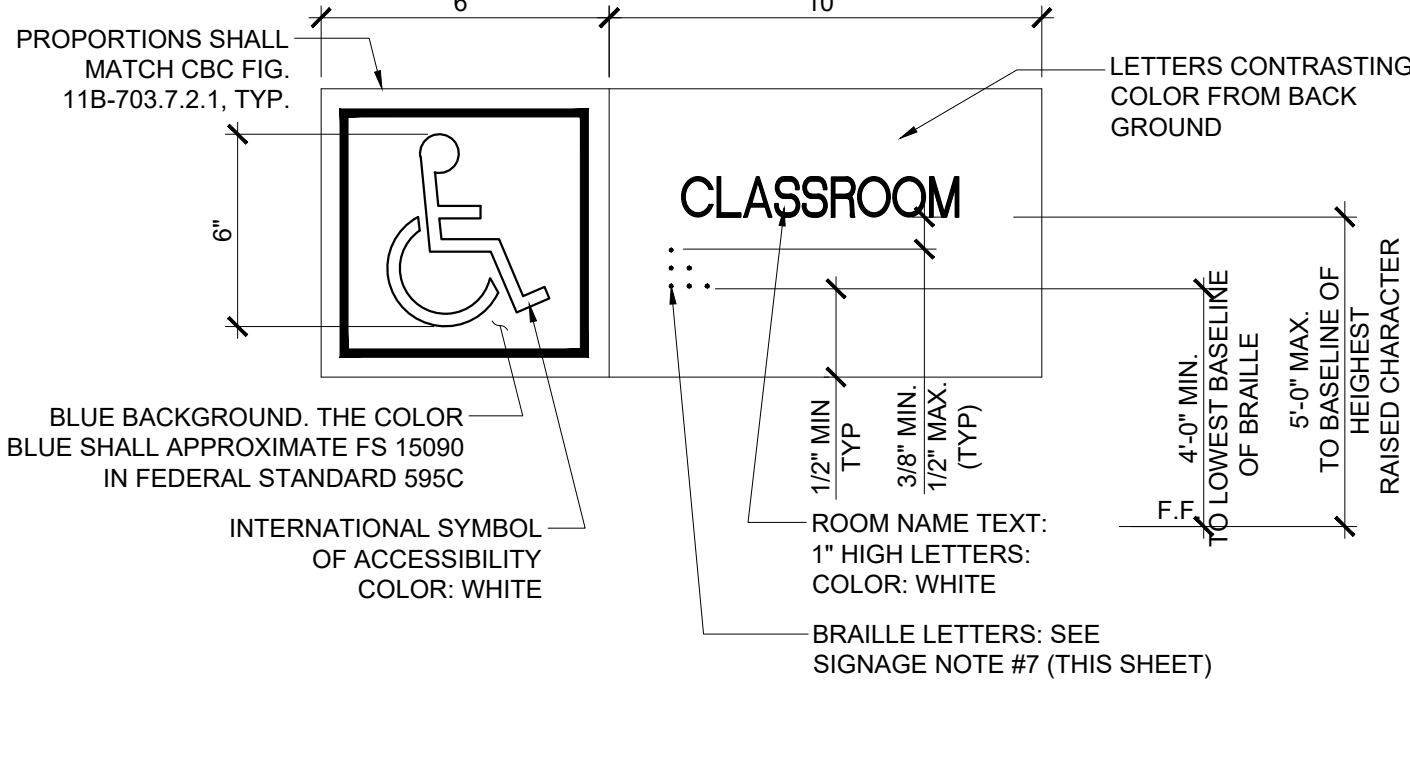
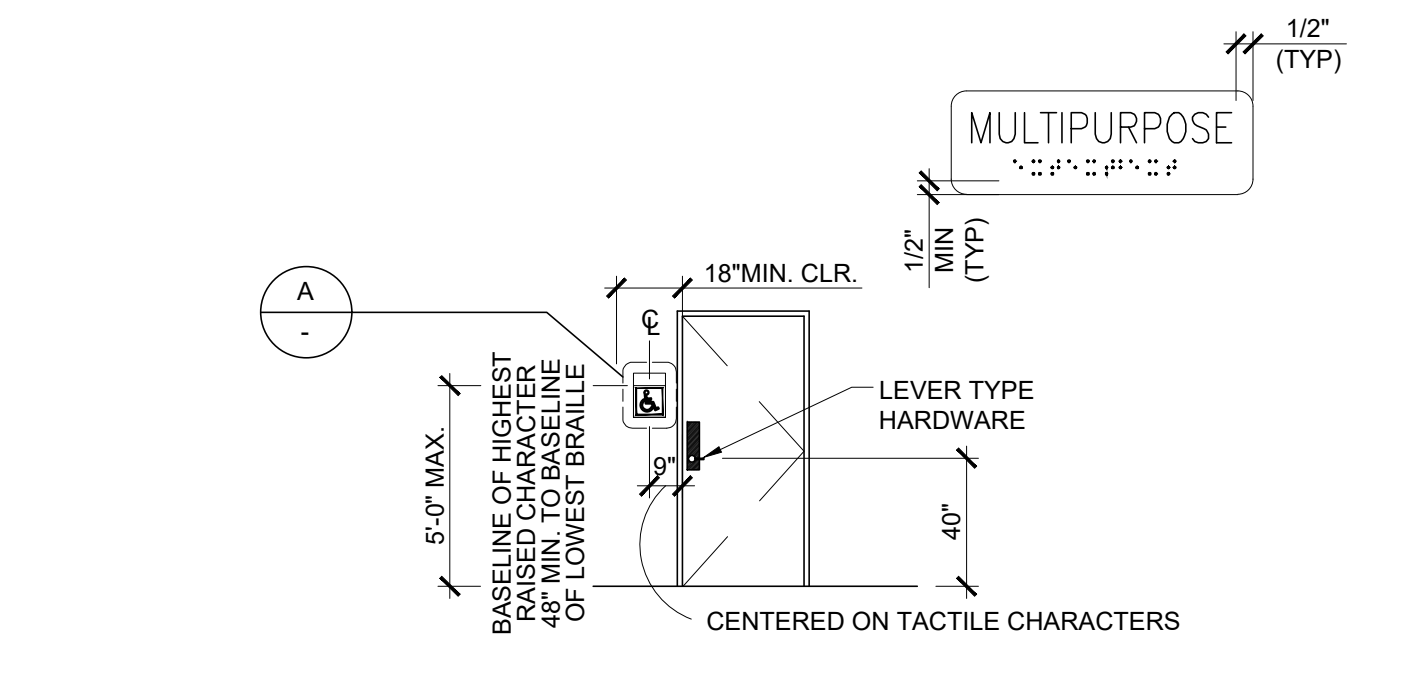
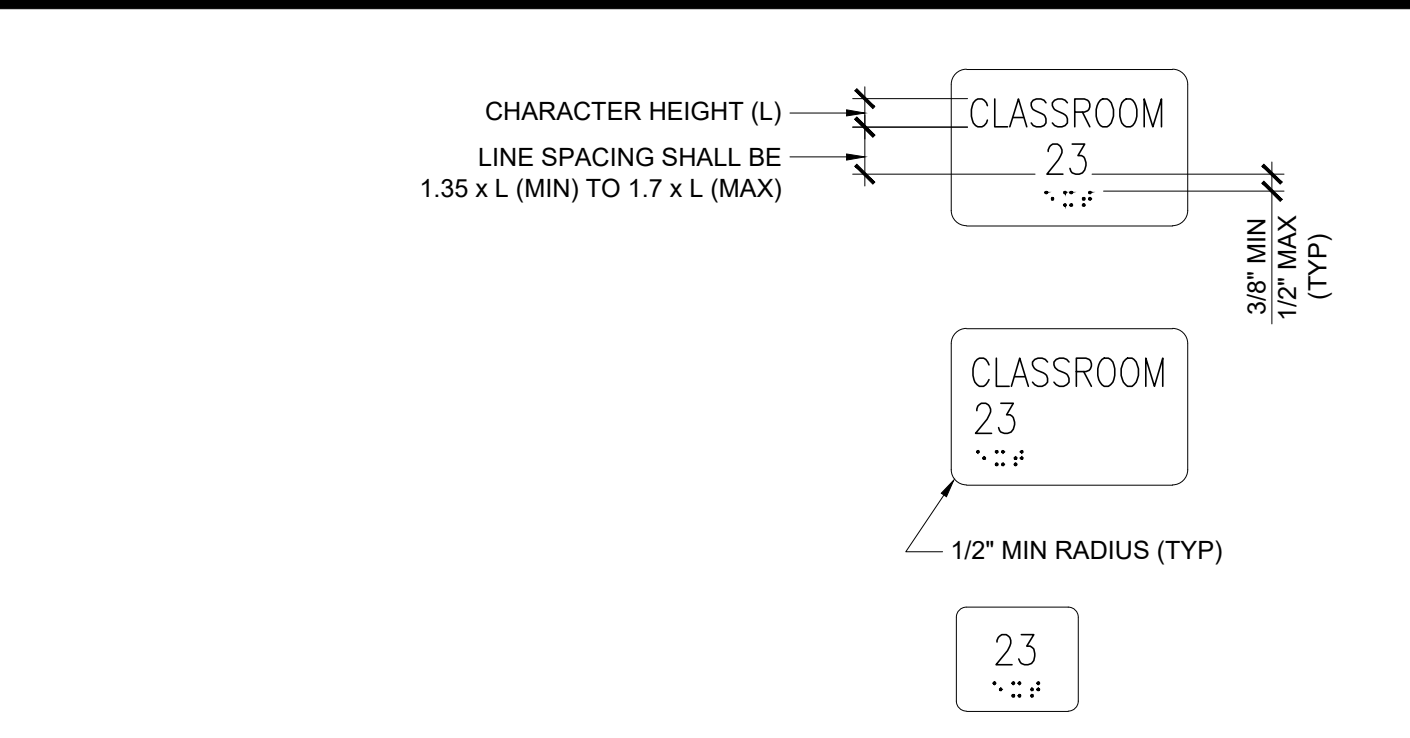
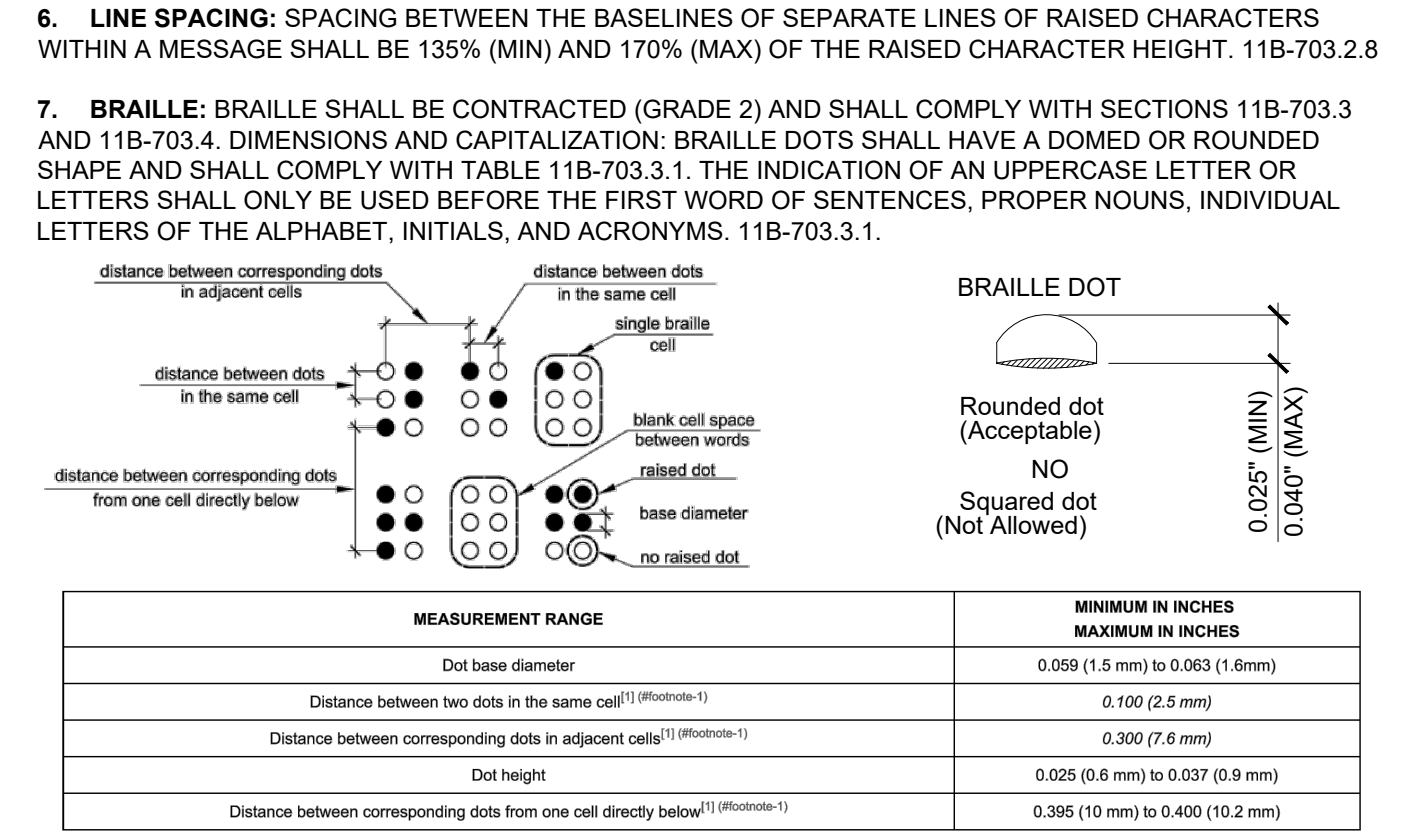
SIGNAGE NOTES

- CHARACTER TYPE:** CHARACTERS ON TACTILE SIGNS SHALL BE RAISED 1/32" (0.794 mm) MINIMUM ABOVE THEIR BACKGROUND AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE. (SEE NOTE 5 BELOW) 11B-703.2.1 & 11B-703.2.2 & 11B-703.2.3.
- RAISED CHARACTER HEIGHT:** CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8" (15.9 mm) MINIMUM AND 2 INCH (51 mm) MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "T". 11B-703.2.5
- FINISH AND CONTRAST:** SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH SYMBOLS. SYMBOLS OF ACCESSIBILITY SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER A LIGHT SYMBOL ON A DARK BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND. 11B-703.7.1.
- PROPORTIONS:** RAISED CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MIN AND 110% MAX OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE "I" SHALL BE 15% MAX OF THE HEIGHT OF THE CHARACTER. 11B-703.2.4 + 11B-703.2.6

VISUAL CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MIN AND 110% MAX OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE "I" SHALL BE 10% MIN. AND 20% MAX OF THE HEIGHT OF THE CHARACTER.



- CHARACTER SPACING:** CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8" (MIN) AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH (MAX). WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16" (MIN) AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH (MAX) AT THE BASE OF THE CROSS SECTIONS, AND 1/8" (MIN) AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH (MAX) AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8" (MIN). 11B-703.2.7
- LINE SPACING:** SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135% (MIN) AND 170% (MAX) OF THE RAISED CHARACTER HEIGHT. 11B-703.2.8
- BRAILLE:** BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH SECTIONS 11B-703.3 AND 11B-703.4. DIMENSIONS AND CAPITALIZATION: BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 11B-703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS. 11B-703.3.1.



NOTE: SIGN MATERIAL TO BE 1/8" THK. E.S. PLASTIC W/1/32" RAISED GRAPHICS AND LETTERS. PROVIDE MECHANICAL MOUNTING W/ VANDAL RESISTANT FASTENERS. CBC SECTION 11B-703. WHERE RAISED BORDERS OCCUR, PROVIDE 1/2" MIN. CLEARANCE BETWEEN TOP OF BOARDER AND LOWEST LEVEL OF BRAILLE TEXT.

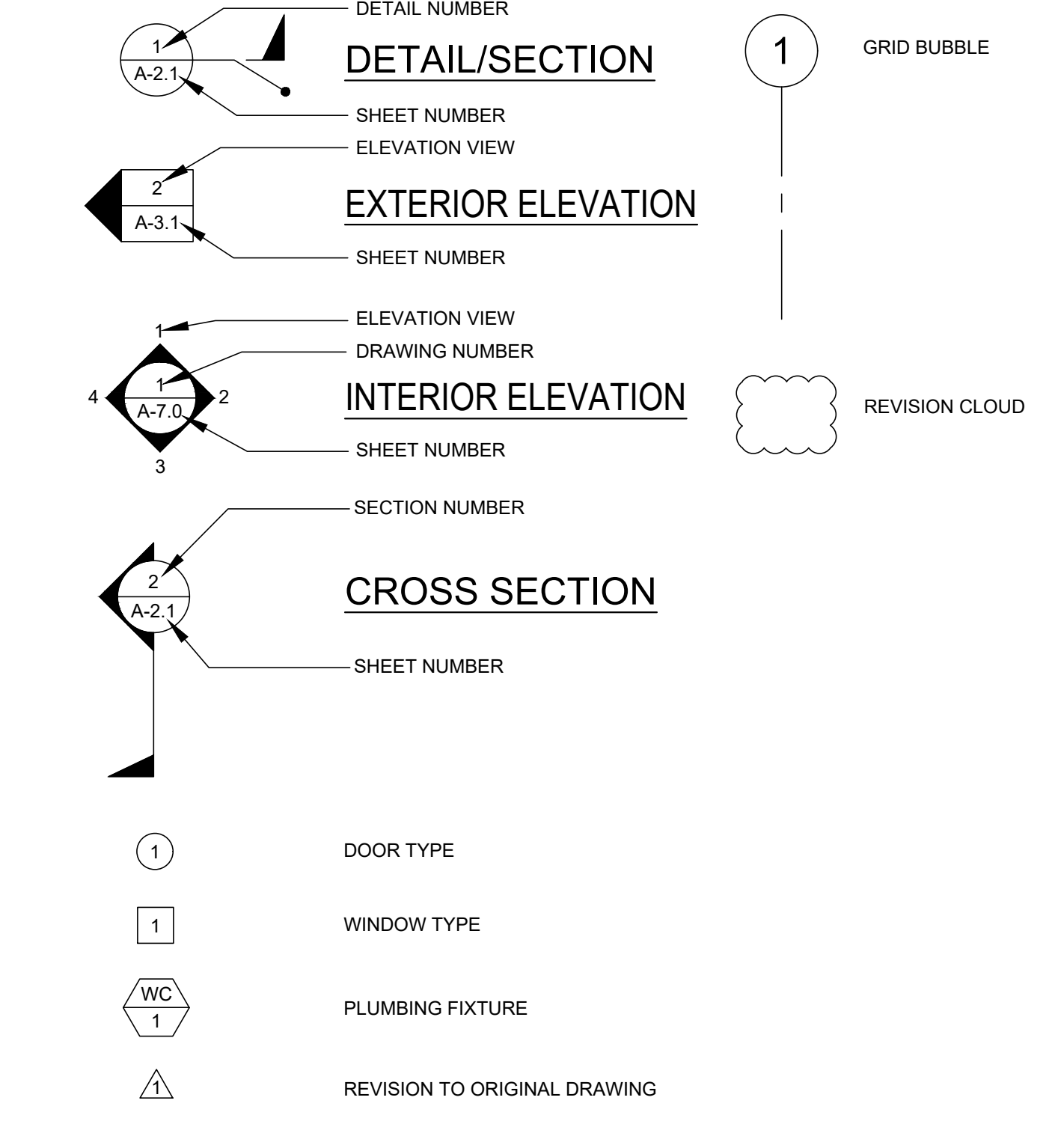
ROOM IDENTIFICATION ROOM SIGNAGE (BY DISTRICT)

FOR SITE SPECIFIC LOCATIONS ARCHITECT TO PROVIDE BUILDING / ROOM IDENTIFICATION SIGNS. DETAILS AND LOCATIONS OF SIGNAGE TO BE INDICATED.

COORDINATE WITH SIGNAGE NOTES 1 THROUGH 7 ON THIS SHEET.

THIS DETAIL FOR REFERENCE ONLY

SYMBOLS LEGEND



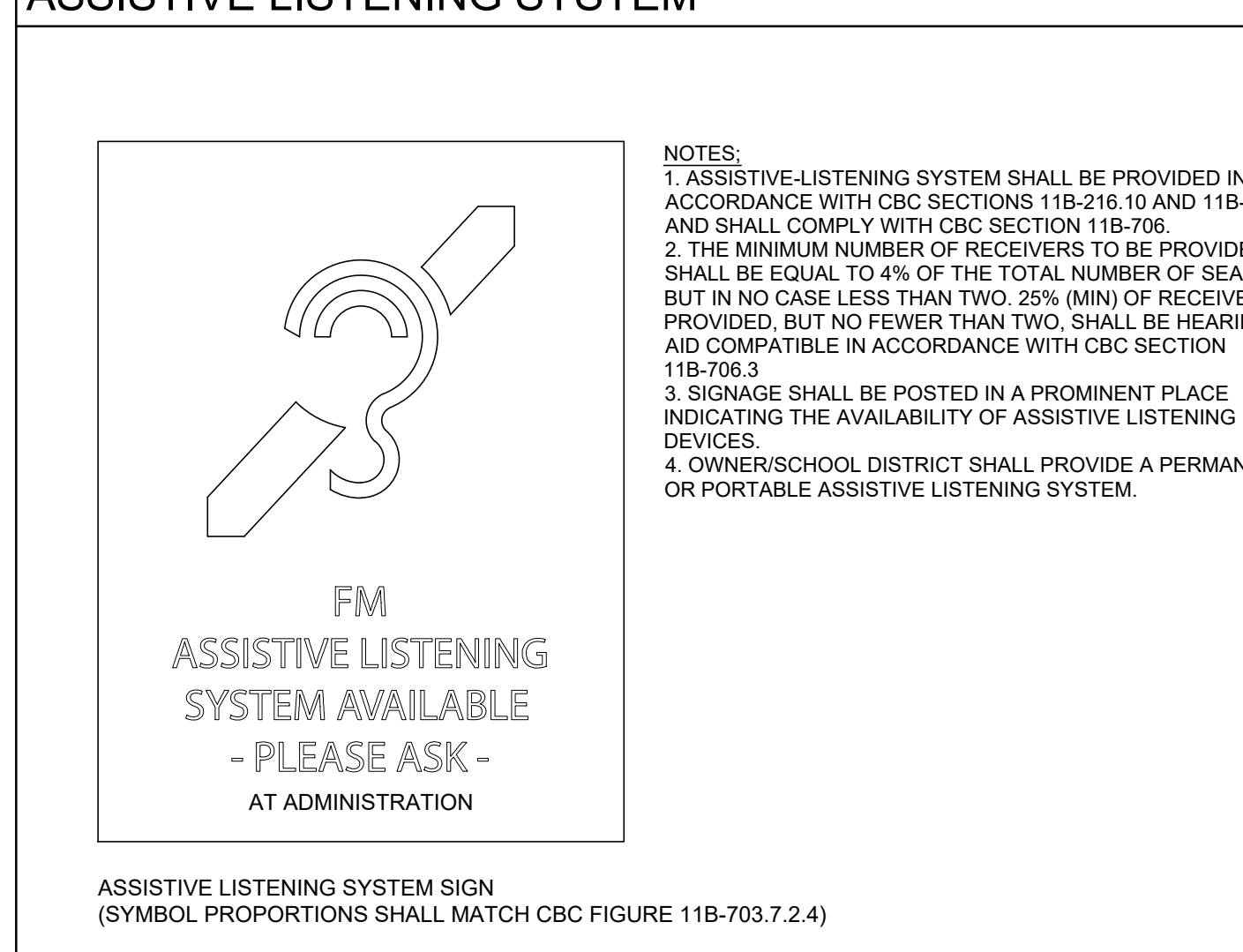
ABBREVIATIONS

AB	ANCHOR BOLT	FIN	FINISH	PL	PLATE
ABS	ABSOLUTE	FLR	FLOOR	PC	PRE-CHECKED
ABV	ABOVE	FN	FIELD NAILING	PLAS	PLASTER
ACC	ACCESS	FND	FOUNDATION	PLYWD	PLYWOOD
ADDL	ADDITIONAL	FOC	FACE OF CONCRETE	PNL	PANEL
ADJ	ADJACENT	FOS	FACE OF STUD	POC	POINT OF CONNECTION
AFF	ABOVE FINISH FLOOR	FTG	FOOTING	POT	PATH OF TRAVEL
AFG	ABOVE FINISH GRADE	FOF	FACE OF FINISH	PSF	POUNDS PER SQUARE FOOT
AGG	ABOVE GRADE CONCRETE	GA	GAUGE	PSI	POUNDS PER SQUARE INCH
ALT	ALTERNATE	GALV	GALVANIZE	RAG	RETURN AIR GRILLE
AOR	ARCHITECT OF RECORD	GC	GENERAL CONTRACTOR	RD	ROOF DRAIN
APPROX	APPROXIMATE	GR	GRADE	REF	REFERENCE
ARCH	ARCHITECTURAL / ARCHITECT	GYP	GYPSUM	REINF	REINFORCE
BD	BOARD	GYP BD	GYPSUM BOARD	REQ'D	REQUIRED
BGC	BELOW GRADE CONCRETE	HB	HOSE BIBB	REVISION	REVISION
BLDG	BUILDING	HD	HEAVY DUTY	RF	ROOF
BLK	BLOCK	HDR	HEADER	RM	ROOM
BLKG	BLOCKING	HDW	HARDWARE	RO	ROUGH OPENING
BM	BEAM	HF	HEM FIR	ROH	ROOF OVERHANG
BOT	BOTTOM (OR BTM)	HORIZ	HORIZONTAL	SCHED	SCHEDULE
BTWN	BETWEEN	HT	HEIGHT	SEC	SECTION
BU	BUILT UP	HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	SHT	SHEET
CAB	CABINET	INCL	INCLUDED	SHTG	SHEATHING
CBC	CALIFORNIA BUILDING CODE	INFO	INFORMATION	SIM	SIMILAR
CI	CAST IRON	INT	INTERIOR	SPEC	SPECIFICATION
CJ	CONTROL JOINT	J-BOX	JUNCTION BOX	SQ	SQUARE
CJP	COMPLETE JOINT PENETRATION	JST	JOIST	ST	STAINLESS STEEL
CLG	CENTER LINE	JT	JOINT	STD	STANDARD
CL	CEILING	KN	KNOCK OUT	STIFF	STIFFENER
CO	CLEAN OUT	LAB	LABORATORY	STL	STEEL
COL	COLUMN	LAM	LAMINATED	STS	SELF-TAPPING SCREW
CONC	CONCRETE	LAV	LAVATORY	STSMS	SELF-TAPPING SHEET METAL SCREW
CONN	CONNECTION	LB	POUNDS	T&B	TOP AND BOTTOM
CONST	CONSTRUCTION	LT	LIGHT	T&G	TONGUE AND GROOVE
CONT	CONTINUOUS	LT WT	LIGHT WEIGHT	TEL	TELEPHONE
CPT	CARPET	LVR	LOUVER	THK	THICK
CSK	COUNTERSINK	MAX	MAXIMUM	TOC	TOP OF COLUMN
CTR	CENTER	MB	MACHINE BOLT	TOS	TOP OF STEEL
DBL	DOUBLE	MED	MEDIUM	TS	TUBE STEEL
DET	DETAIL	MFR	MANUFACTURER	TV	TELEVISION
DF	DOUGLAS FIR	MIN	MINIMUM	TYP	TYPICAL
DIA OR Ø	DIAMETER	MISC	MISCELLANEOUS	UBC	UNIFORM BUILDING CODE
DIA	DIAGONAL	MOD	MODULE	UON	UNLESS OTHERWISE NOTED
DIM	DIMENSION	MTL	METAL	UR	URINAL
DSA	DIVISION OF THE STATE ARCHITECT	(N)	NEW	VERT	VERTICAL
DWG	DRAWING	N	NORTH	VCT	VINYL COMPOSITION TILE
(E)	EXISTING	NIC	NOT IN CONTRACT (NOT IN SILVER CREEK'S SCOPE OF WORK)	W/	WITH
EA	EACH	NO	NUMBER	WC	WATER CLOSET
EJ	EXPANSION JOINT	NTS	NOT TO SCALE	WCO	WALL CLEAN OUT
ELEV	ELEVATION	OC	ON CENTER	WD	WOOD
END	END NAIL	OD	OUTSIDE DIAMETER	WH	WATER HEATER
EQ	EQUAL	OH	OPPOSITE HAND	WIC	WOODWORK INSTITUTE OF CALIFORNIA
EQUIP	EQUIPMENT	OPNG	OPENING	WND	WINDOW (OR WDW)
EW	EACH WAY	OPP	OPPOSITE	W/O	WITHOUT
EXT	EXTERIOR			WP	WATER PROOF
FA	FIRE ALARM				
FCO	FLOOR CLEAN OUT				
FF	FINISH FLOOR				
FG	FINISH GRADE				

SPECIFICATIONS

- DIVISION 5 - METALS**
 - ALL WELDED JOINTS AND SURFACES SHALL BE GROUNDED SMOOTH, NO SHARP OR ABRASIVES CORNERS, EDGES OR SURFACES. WALL SURFACES ADJACENT TO HANDRAILS SHALL BE SMOOTH.
 - ALL HANDRAILS SHALL BE ROUND OR SHALL HAVE RADIUS EDGES (r = 1/8" MIN)
- DIVISION 6 - WOOD AND PLASTICS**
 - ALL CABINET AND DRAWERS WILL HAVE U-SHAPED WIRE PULLS
- DIVISION 9 - FINISHES**
 - CEILING INSTALLATION SHALL BE PER THE NOTES PROVIDED ON THIS SHEET.
- DIVISION 10 - SPECIALITIES**
 - ALL TOILET ACCESSORIES SHALL BE INSTALLED AT THE HEIGHT AND CLEARANCES SHOWN ON SHEET P-1.01
- DIVISION 22 - PLUMBING**
 - FAUCETS SHALL BE LEVER OPERATED (4" MIN BLADE) OR SHALL BE PUSH TYPE OR AUTOMATIC ELECTRONICALLY CONTROLLED. CONTROLS TO BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE.
 - FORCE TO ACTIVATE CONTROLS SHALL NOT BE GREATER THAN 5 LBS
 - FORCE TO REMAIN OPEN FOR A MINIMUM OF 10 SECONDS WHEN SELF CLOSING VALVES ARE USED
 - PIPE COVERS SHALL BE PROVIDED FOR WATER LINES AND DRAIN PIPES UNDER ACCESSIBLE SINKS AND LAVATORIES
 - ACCESSIBLE SINKS SHALL NOT BE DEEPER THAN 6 1/2"

ASSISTIVE LISTENING SYSTEM



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-122154 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM INC) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM INC. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM INC SHALL BE THE PROPERTY OF SCM INC

PROJECT NAME:
**SYLVAN USD
 CROSSROADS E.S.
 (2) 24' x 40'
 CLASSROOM BUILDINGS**

SHEET TITLE:
**SYMBOLS LEGEND,
 ABBREVIATIONS &
 ADA SIGNAGE**

REVISIONS
1
2
3
4

PRE-CHECK (PC) DOCUMENT
 CODE: 2022 CBC
 A SEPARATE PROJECT APPLICATION
 FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 04-121999 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
 24' x 40' PC

PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 02-27-2023

P.C. SHEET NUMBER
A-0.1

WILDLAND URBAN INTERFACE REQUIREMENTS

WHEN THIS BUILDING IS TO BE INSTALLED WHERE THE REQUIREMENTS OF CHAPTER 7A OF THE 2022 CBC ARE APPLICABLE COMPLIANCE WITH THE APPLICABLE REQUIREMENTS SHALL BE AS OUTLINED BELOW:

CHAPTER 7A REQUIREMENTS:

705A ROOFING

705A.1 - ROOF SHALL BE CLASS 'A'.
705A.2 - NOT APPLICABLE. NO VOIDS OCCUR, ROOF IS APPLIED DIRECTLY.
705A.3 - NOT APPLICABLE. NO VALLEYS OCCUR.
705A.4 - LEAF GUARDS/COVERS SHALL BE PROVIDED AT ALL GUTTERS.

706A VENTS

706A.2 - THE UNDER-FLOOR ACCESS AND VENT OPENINGS SHALL BE COVERED WITH CORROSION RESISTANT WIRE MESH WITH A CLEAR OPENING NOT EXCEEDING 1/8".
706A.3 - THE SOFFIT VENTS SHALL BE VULCAN TECHNOLOGIES MODEL #VF OR VSC SOFFIT VENT COVERS (PER CASFM LISTING 8165-2192-0100).

707A EXTERIOR COVERINGS

707A.3 - EXTERIOR WALL FINISH SHALL BE PLASTER (NON-COMBUSTIBLE) OVER 1/2" OSB OVER STUDS OR 19/32" DURATEMP SIDING OVER STUDS (PER SFM LISTING# 8140-2031-0004).
707A.4 - NOT APPLICABLE. NO OPEN ROOF EAVES OCCUR.
707A.5 - SOFFIT FINISH SHALL BE PLASTER (NON-COMBUSTIBLE) OVER FRAMING OR ADURA FIBER-CEMENT PANELS (NON-COMBUSTIBLE) (PER ESR-1688).
707A.6 - NOT APPLICABLE. DOES NOT OCCUR.
707A.7 - NOT APPLICABLE. DOES NOT OCCUR.
707A.8 - NOT APPLICABLE. DOES NOT OCCUR.
707A.9 - NOT APPLICABLE. DOES NOT OCCUR.

708A EXTERIOR DOORS AND WINDOWS

708A.2 - NOT APPLICABLE. DOES NOT OCCUR.
708A.3 - EXTERIOR DOORS AND FRAMES ARE NON-COMBUSTIBLE (HOLLOW METAL).
708A.4 - NOT APPLICABLE.

709A - DECKING - THE EXTERIOR DECKING (WHERE APPLICABLE) IS A NON-COMBUSTIBLE STEEL FRAME AND DECK. SKIRTING MATERIAL (WHERE APPLICABLE) SHALL BE 19/32" DURATEMP SIDING (PER SFM LISTING# 8140-2031-0004).

710A - NOT APPLICABLE.

WINDOW SCHEDULE

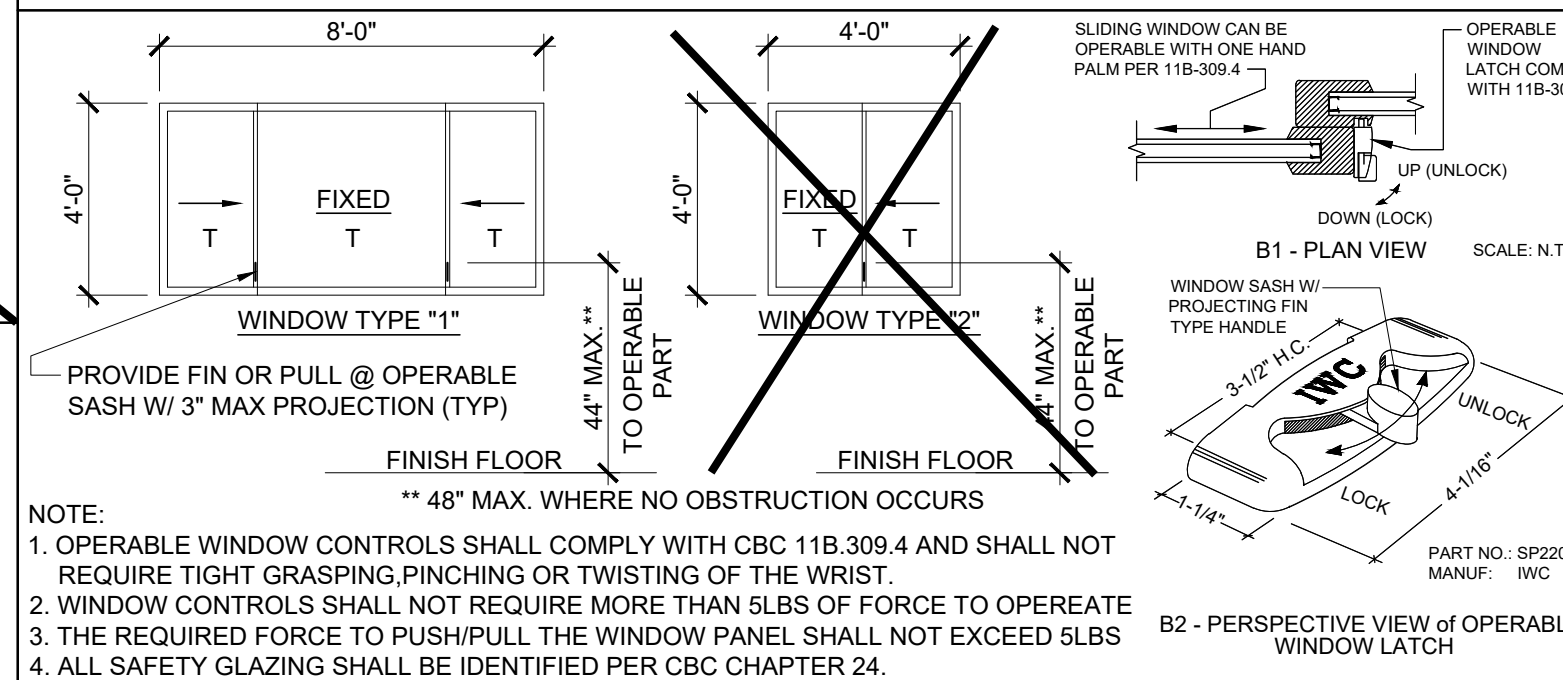
WINDOW NO.	TYPE	SIZE WIDTH HEIGHT	FRAME MAT.	OPERABLE	MAX U-FACTOR	REQUIRED SHGC	MIN VT	NFRC RATED	GLASS SPECS	NOTES
A	1	8'-0" 4'-0"	ANOD	YES	0.520	0.350	0.610	YES	DP	

WINDOW FINISH

ANOD: CLEAR ANODIZED ALUMINUM FRAME
DP: 3/16" MINIMUM DUAL PANE TEMPERED GLASS OF SOLAR GRAY - 3/16" ENERGYSHIELD
T: TEMPERED GLASS

NOTES:
1. ALL OPERABLE SASH SHALL HAVE SCREENS.
2. TEMPORARY NFRC LABELS SHALL STAY ON WINDOWS UNTIL PROJECT INSPECTOR HAS VERIFIED INSTALLED FENESTRATION MATCHES WINDOW SCHEDULE ON PLAN.

WINDOW TYPE



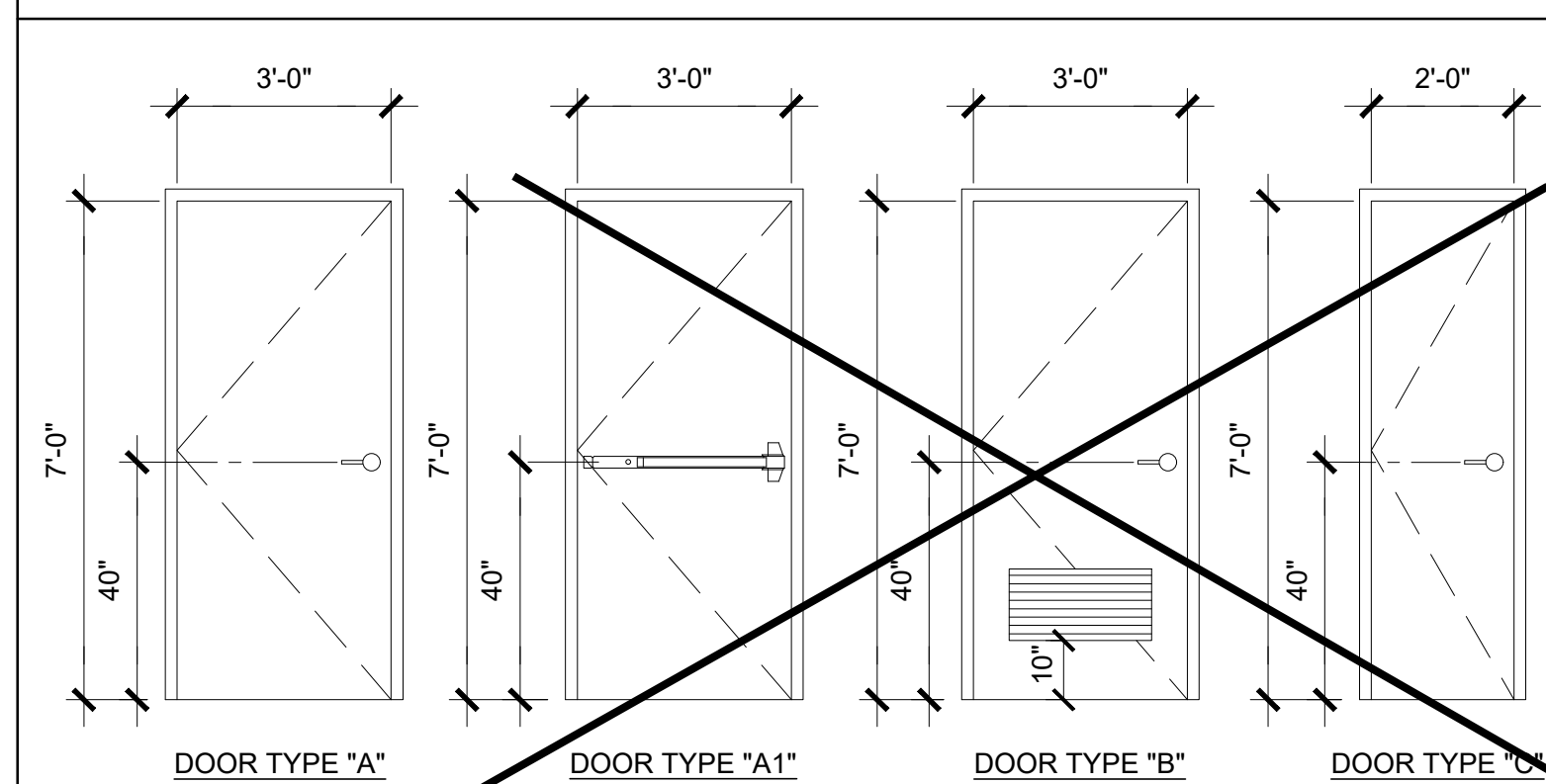
DOOR SCHEDULE

DOOR NO.	WIDTH	HEIGHT	DOOR TYPE	QTY	DOOR MAT/FIN	FRAME MAT/FIN	HARDWARE SET	LOCKABLE FROM INT.	NOTES*
1	3'-0"	7'-0"	A		HM	KD	HW-1	YES	
2	3'-0"	7'-0"	A1		HM	KD	HW-2	YES	
3	3'-0"	7'-0"	A		SCL	KD	HW-3	NO	
4	3'-0"	7'-0"	B		HM	KD	HW-4	NO	
5	3'-0"	7'-0"	B		HM	KD	HW-5	NO	NO CLOSER REQ'D.
6	2'-0"	7'-0"	C		HM	KD	HW-6	NO	

DOOR MATERIAL AND FINISH ABBREVIATIONS

HM:	18GA HOLLOW METAL	KD:	KNOCK DOWN FRAME	EXTERIOR DOORS TO BE UNINSULATED SINGLE LAYER DOORS W/ U-FACTOR OF 1.450 MAX
WF:	16GA WELDED FRAME	SCL:	SOLID CORE WOOD LEGACY	
AL:	ALUMINUM	HC:	HOLLOW CORE WOOD	
SST:	STAINLESS STEEL	PT:	PAINTED	

DOOR TYPES & NOTES



- DOOR HANDLE FOR LOCKSETS AND PANIC HARDWARE TO BE CENTERED AT 40" AFF HARDWARE TO BE OPENED FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT. LEVERS TO RETURN TO WITHIN 1/2" OF DOOR.
- ALL DOORS SHALL BE 1 3/4" THICK U.N.O.
- CLOSER SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5 LBS AT EXTERIOR AND INTERIOR DOORS.
- PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER.
- ALL HARDWARE SHALL COMPLY WITH SILVER CREEK'S SPECS ON THIS SHEET AND CBC SECTIONS 11B-206.5, 11B-404.1 & 1010.
- DOOR CLOSER SHALL BE ADJUSTED TO SO THAT FROM AN OPEN POSITION OF 90°, THE DOOR WILL TAKE AT LEAST 5 SECONDS TO MOVE TO A POINT 12" FROM THE LATCH, MEASURED TO THE LANDING SIDE OF THE DOOR.
- PANIC AND FIRE EXIT HARDWARE, WHERE THIS TYPE HARDWARE IS INSTALLED, IT SHALL COMPLY WITH THE FOLLOWING:
- THE ACTUATING PORTION OF THE RELEASING DEVICE SHALL EXTEND AT LEAST ONE-HALF OF THE DOOR LEAF WIDTH.
- THE MAXIMUM FORCE TO ACTIVATE ANY OPERABLE PART SHALL NOT EXCEED 5 LBS PER THE 2022 CBC. PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1010.1.10
- ALL HAND ACTIVATED HARDWARE SHALL BE LEVER TYPE, PANIC BARS, PUSH/PULL TYPE OR 'U' SHAPED HANDLES.
- ALL HAND ACTIVATED HARDWARE SHALL BE EASY TO OPERATE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF WRIST TO OPERATE.
- FLOOR STOP SHALL BE LOCATED 4" MAX FROM FACE OF WALL.

FINISH SCHEDULE

ROOM NAME	FLOORING	WALL FINISH				CEILING		NOTES	
		FLOOR	BASE	FRONT	LEFT	REAR	RIGHT		CEILING
CLASSROOM 101	CARP	4" TS	TACK	TACK	TACK	TACK	CP	8'-6"	
CLASSROOM 102	CARP	4" TS	TACK	TACK	TACK	TACK	CP	8'-6"	
TOILET 108	OV	6" TS	FRP	FRP	FRP	FRP	OBP	8'-0"	SEE 10A-5.70
GIRL 104	OV	6" TS	FRP	FRP	FRP	FRP	OBP	8'-0"	SEE 10A-5.70
BOY 106	OV	6" TS	FRP	FRP	FRP	FRP	OBP	8'-0"	SEE 10A-5.70
STAFF 103	OV	6" TS	FRP	FRP	FRP	FRP	OBP	8'-0"	SEE 10A-5.70
STAFF 105	OV	6" TS	FRP	FRP	FRP	FRP	OBP	8'-0"	SEE 10A-5.70
PLUMBING CHASE	---	---	---	---	---	---	---	---	---

FLOOR, WALL, CEILING MATERIALS

FLOORING
CARP: CARPET PER STATE OF CALIFORNIA SPECIFICATIONS COMPLYING WITH GROUP 1; TYPE 'A' OR TYPE 'B'; CLASS 2; DENSITY 4600; DIRECT GLUE DOWN
SV: SHEET VINYL FLOORING W/ FULLY SEALED JOINTS
VCT: VINYL COMPOSITION TILE

BASE
4" TS: 4" TOP SET BASE
6" TS: 6" TOP SET BASE
SC: 6" SELF-COVE BASE, CONTINUE FLOOR MATERIAL UP THE WALL PER 10A-5.70

WALLS
TACK: 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYPSUM BOARD BACKING
FRP: 1/8" FIBER REINFORCED PANE OVER 1/2" WATER RESISTANT GYPSUM BOARD
GYP: 1/2" GYPSUM BOARD; TAPE; TEXTURE: PAINTED FINISH
PLY: 1/2" PLYWOOD FINISH
NF: NO FINISH

CEILING
CP: ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATION NOTES ON REFLECTED CEILING PLAN)
HC: 5/8" GYPSUM BOARD; TAPE; TEXTURE: PAINTED FINISH (HARD LID CEILING)
GBP: 1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)

FINISH NOTES

- ALL FINISHES SHALL COMPLY WITH CBC, CFC AND TITLE 19 CCR.
- PREPARATION FOR SUB-FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB-FLOOR IS 2.4.1. PLYWOOD. OUTER PLYWOOD IS PLUGGED AND TOUCH SANDED. ANY DEFORMITIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR. THE JOINT AT THE MODLINE SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.
- RESILIENT FLOORING DEMONSTRATING A COEFFICIENT OF FRICTION OF AT LEAST 0.6 PER ASTM D2047, WILL BE ACCEPTED AS MEETING THE INTENT OF SLIP RESISTANCE.
- CARPET SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT, OR LEVEL CUT / UNCUT PILE TEXTURE AND MAXIMUM PILE HEIGHT OF 1/2" PER THE 2022 CBC. CARPET EDGED SHALL COMPLY WITH THE 2022 CBC

DOOR HARDWARE

CLASSROOM -	EXTERIOR DOOR HW-1		
LOCKSET	TAL LHV75-LFIC SAT	Finish 626	or equal
I/C CORE	SCHLAGE 23-030 C123	Finish 626	or equal
BUTTS	TAL BB179 4 1/2" x 4 1/2" NRP	Finish 626	or equal
CLOSER	TAL DC851 DA	Finish 689	or equal
WEATHER STRIP	COLUMBIA 3340S 3684 (ON DR FRAME)	Finish Alum	or equal
THRESHOLD	COLUMBIA 4920 36"	Finish Alum	or equal
DOOR BOTTOM	COLUMBIA 2590 36"	Finish Alum	or equal
DOOR W/ PANIC HARDWARE -	EXTERIOR DOOR HW-2		
EXIT DEVICE	VON DUPRIN AX-99L-PA-2	Finish 626	or equal
I/C CORE	SCHLAGE 23-030 C123 W/ 20-079	Finish 626	or equal
BUTTS	TAL BB179 4 1/2" x 4 1/2" NRP	Finish 626	or equal
CLOSER	TAL DC851 DA	Finish 689	or equal
WEATHER STRIP	COLUMBIA 3340S 3684 (ON DR FRAME)	Finish Alum	or equal
THRESHOLD	COLUMBIA 4920 36"	Finish Alum	or equal
DOOR BOTTOM	COLUMBIA 2590 36"	Finish Alum	or equal
EMERGENCY EXIT AND PANIC HARDWARE IS TO COMPLY WITH SFM STANDARD 12-10-3, SECTION 12-10-302.			
a) THE CROSS BAR SHALL EXTEND ACROSS NOT LESS THAN ONE-HALF THE WIDTH OF THE DOOR/GATE.			
d) THE ENDS OF THE CROSS-BAR SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS.			
STAFF RESTROOM / SINGLE OCCUPANCY -	INTERIOR DOOR HW-3		
LOCKSET	TAL LHV40 SAT	Finish 626	or equal
BUTTS	TAL BB179 4 1/2" x 4 1/2" NRP	Finish 626	or equal
BOYS & GIRLS RESTROOM -	EXTERIOR DOOR HW-4		
LOCKSET	TAL LHV70-LFIC SAT	Finish 626	or equal
I/C CORE	SCHLAGE 23-030 C123	Finish 626	or equal
BUTTS	TAL BB179 4 1/2" x 4 1/2" NRP	Finish 626	or equal
CLOSER	TAL DC851 DA	Finish 689	or equal
WEATHER STRIP	COLUMBIA 3340S 3684 (ON DR FRAME)	Finish Alum	or equal
THRESHOLD	COLUMBIA 4920 36"	Finish Alum	or equal
DOOR BOTTOM	COLUMBIA 2590 36"	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal
STAFF RESTROOM -	EXTERIOR DOOR HW-5		
LOCKSET	SCHLAGE L9496J-06A X 09-509 X L583-363	Finish 626	or equal
I/C CORE	SCHLAGE 23-030 C123	Finish 626	or equal
BUTTS	TAL BB179 4 1/2" x 4 1/2" NRP	Finish 626	or equal
WEATHER STRIP	COLUMBIA 3340S 3684 (ON DR FRAME)	Finish Alum	or equal
THRESHOLD	COLUMBIA 4920 36"	Finish Alum	or equal
DOOR BOTTOM	COLUMBIA 2590 36"	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal
CHASE EXTERIOR DOOR -	INTERIOR DOOR HW-6		
LOCKSET	TAL LHV70 LFIC SAT	Finish 626	or equal
I/C CORE	SCHLAGE 23-030 C123	Finish 626	or equal
BUTTS	TAL BB179 4 1/2" x 4 1/2" NRP	Finish 626	or equal

INSULATION SPECIFICATIONS

MOISTURE PROTECTION INSULATION:
DESCRIPTION OF WORK: THE FURNISHING AND INSTALLING OF ALL INSULATION FOR ALL CEILING, FLOOR AREAS, PIPES AND EXTERIOR WALLS. (CLASS A = 0.25 FLAME SPREAD); SMOKE DEVELOPMENT DENSITY LESS THAN 450.

MATERIAL:
INSULATING MATERIAL FOR WALLS SHALL BE FIBERGLASS BATTS (UNFACED) AND SHALL COMPLY WITH CBC 720.1, 720.2, 720.3, 720.5 AND 720.7. INSULATION SHALL BE AS MANUFACTURED BY OWENS-CORNING, JOHNS-MANVILLE, OR EQUAL.

INSULATING MATERIAL FOR ROOFS SHALL BE CLOSED CELL SPRAY FOAM AND SHALL COMPLY WITH CBC 720.1, 720.2, 720.3, 720.5 AND 720.7. INSULATION SHALL HAVE A MINIMUM R-VALUE OF R-6 PER EACH INCH OF THICKNESS, AN AIR PERMEANCE RATE OF NOT MORE THAN 0.02 L/s AT 75 Pa, AND A WATER VAPOR TRANSMISSION RATE OF NOT MORE THAN 0.9 PERMS. THE FOAM SHALL BE APPLIED TO FILL ALL VOIDS IN THE ROOF FRAMING MEMBERS.

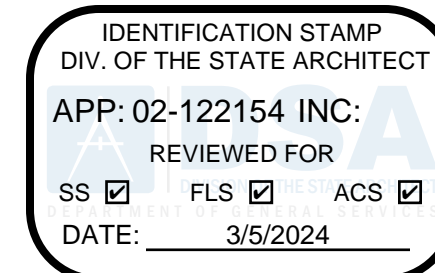
MIN INSULATION VALUES:
WOOD STUD EXTERIOR WALL INSULATION (MIN.)
 R-13 (4" WALL @ UNCONDITIONED RESTROOM MODULE ONLY)
 R-19 (6" WALL)
 R-30 (8" WALL)

~~STEEL STUD EXTERIOR WALL INSULATION (MIN.)
 R-13 (4" WALL @ UNCONDITIONED RESTROOM MODULE ONLY)
 R-19 BATT + R-8 (MIN) CONTINUOUS RIGID FOAM INSULATION ON THE INTERIOR SIDE OF THE WALL (6" WALL)
 R-30 BATT + R-8.8 (MIN) CONTINUOUS RIGID FOAM INSULATION ON THE INTERIOR SIDE OF THE WALL (8" WALL)~~

INTERIOR WALL INSULATION (MIN.)
R-13

FLOOR INSULATION
 NONE (CONCRETE MASS)
 R-11 (MIN) + CONCRETE MASS
 R-19 (MIN)

ROOF INSULATION (MIN.)
R-30 (5" MIN. DEPTH) CLOSED CELL SPRAY FOAM



PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS

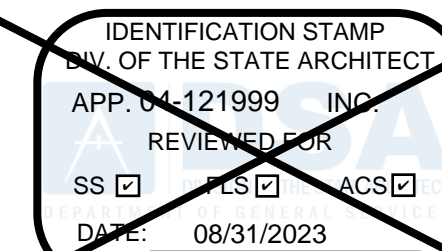
SHEET TITLE:

SCHEDULES

REVISIONS

1		
2		
3		
4		

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL



Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

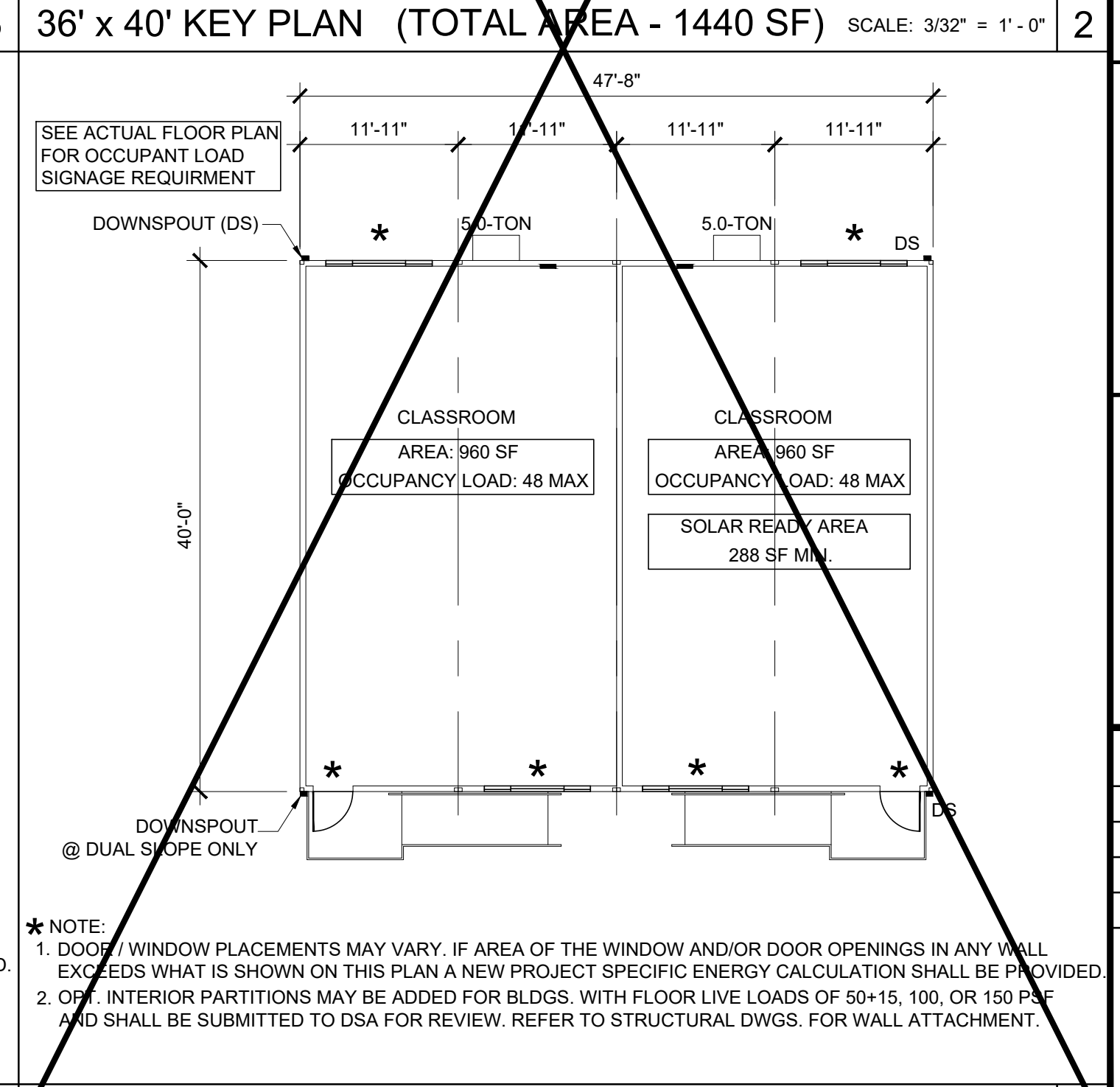
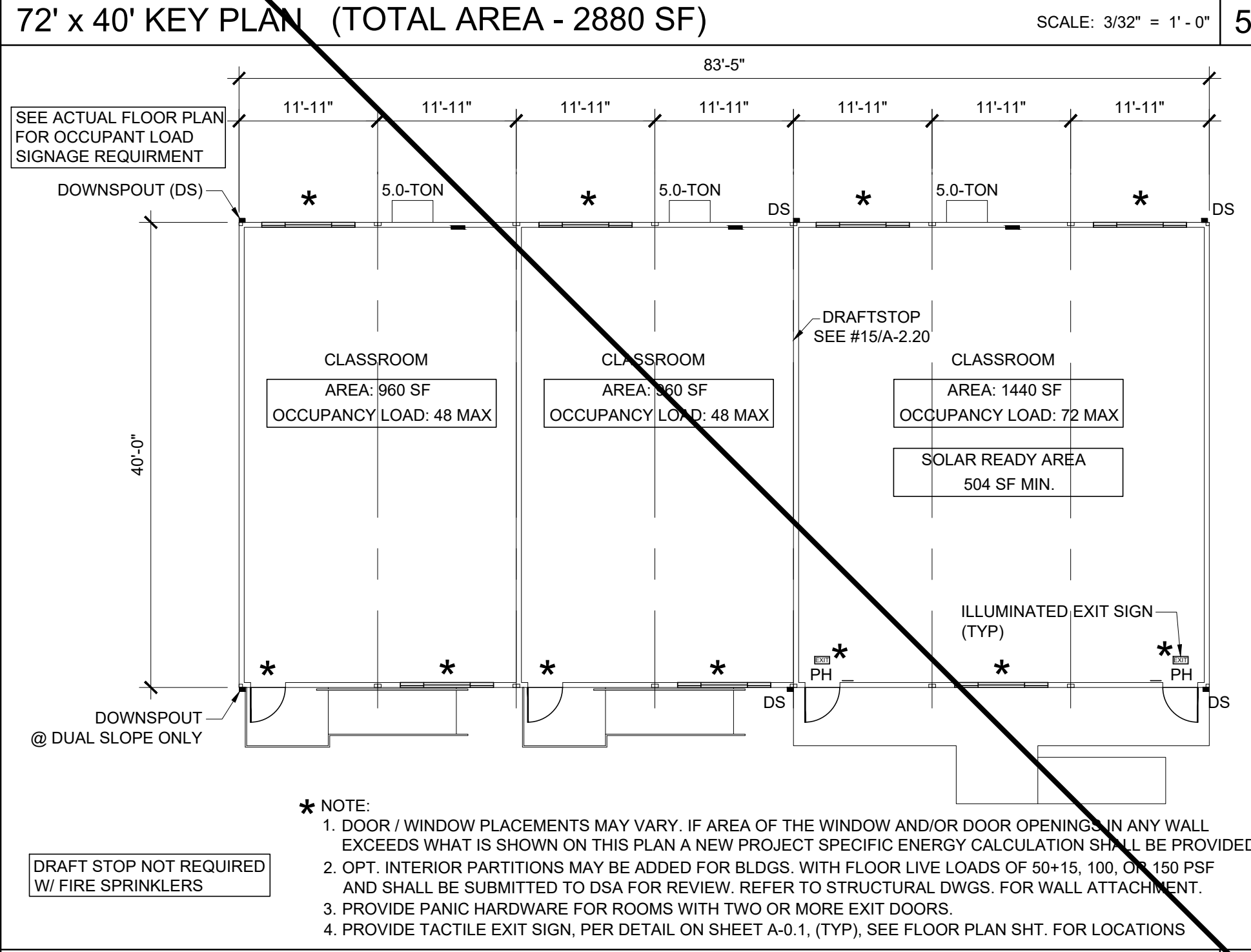
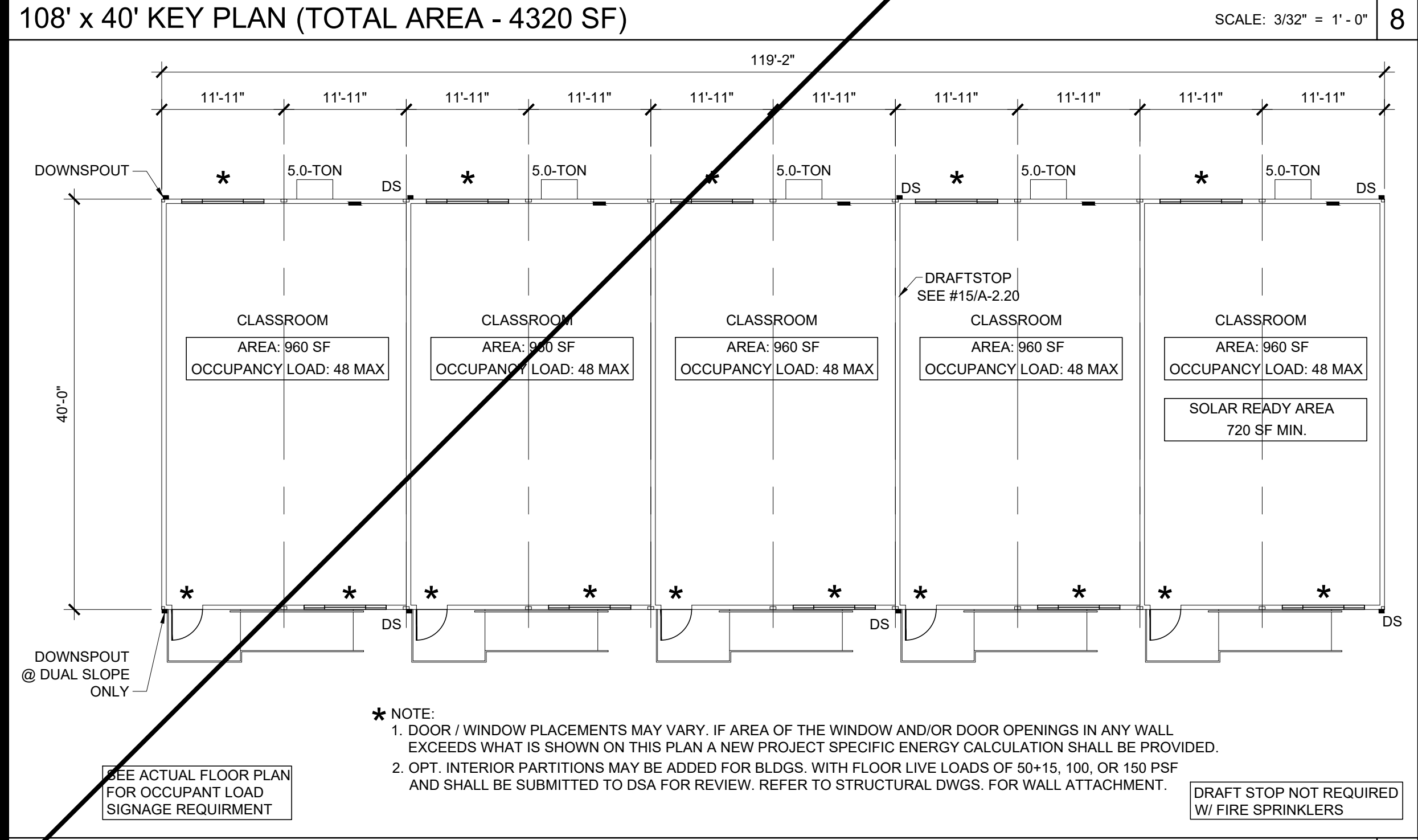
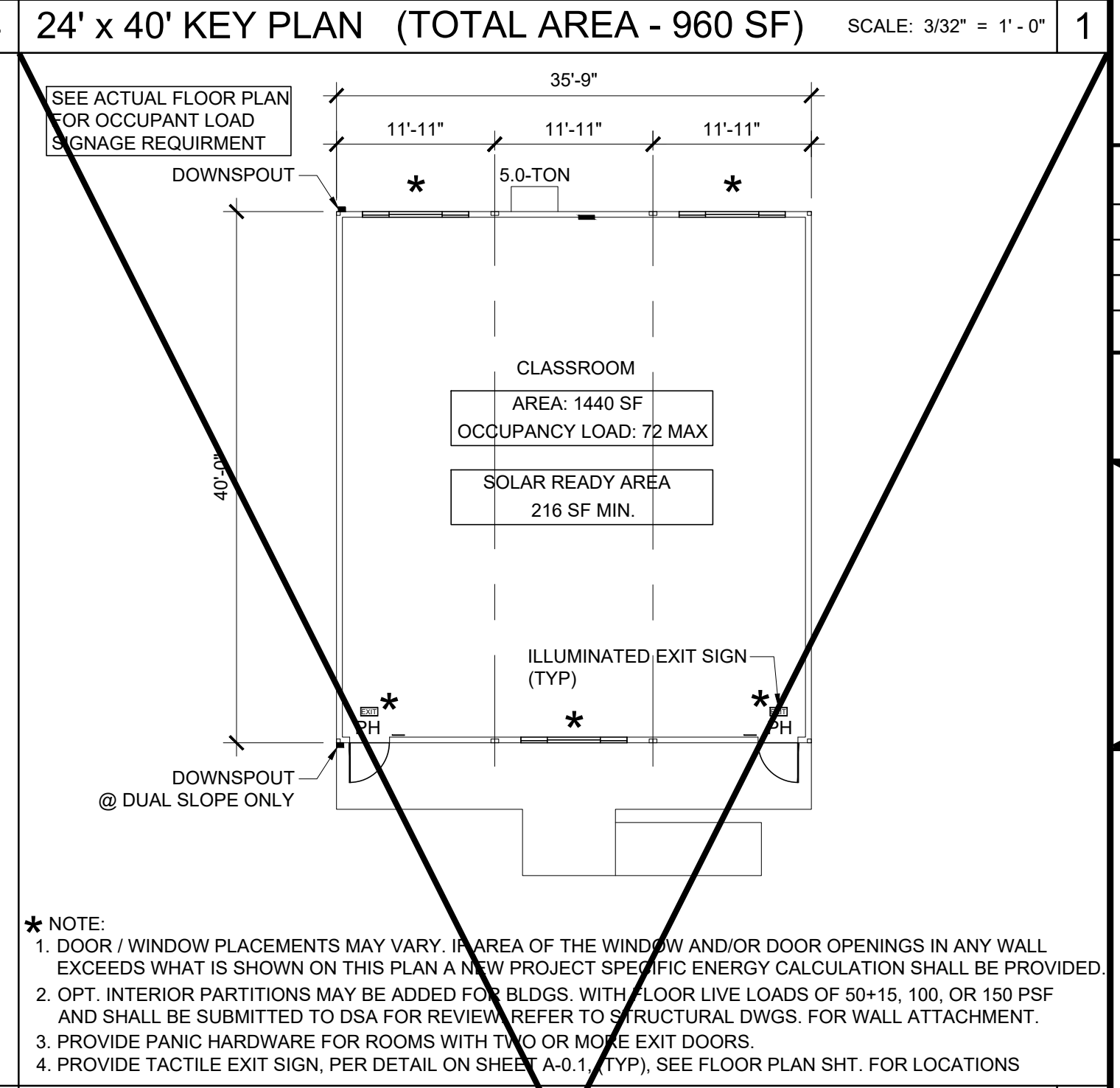
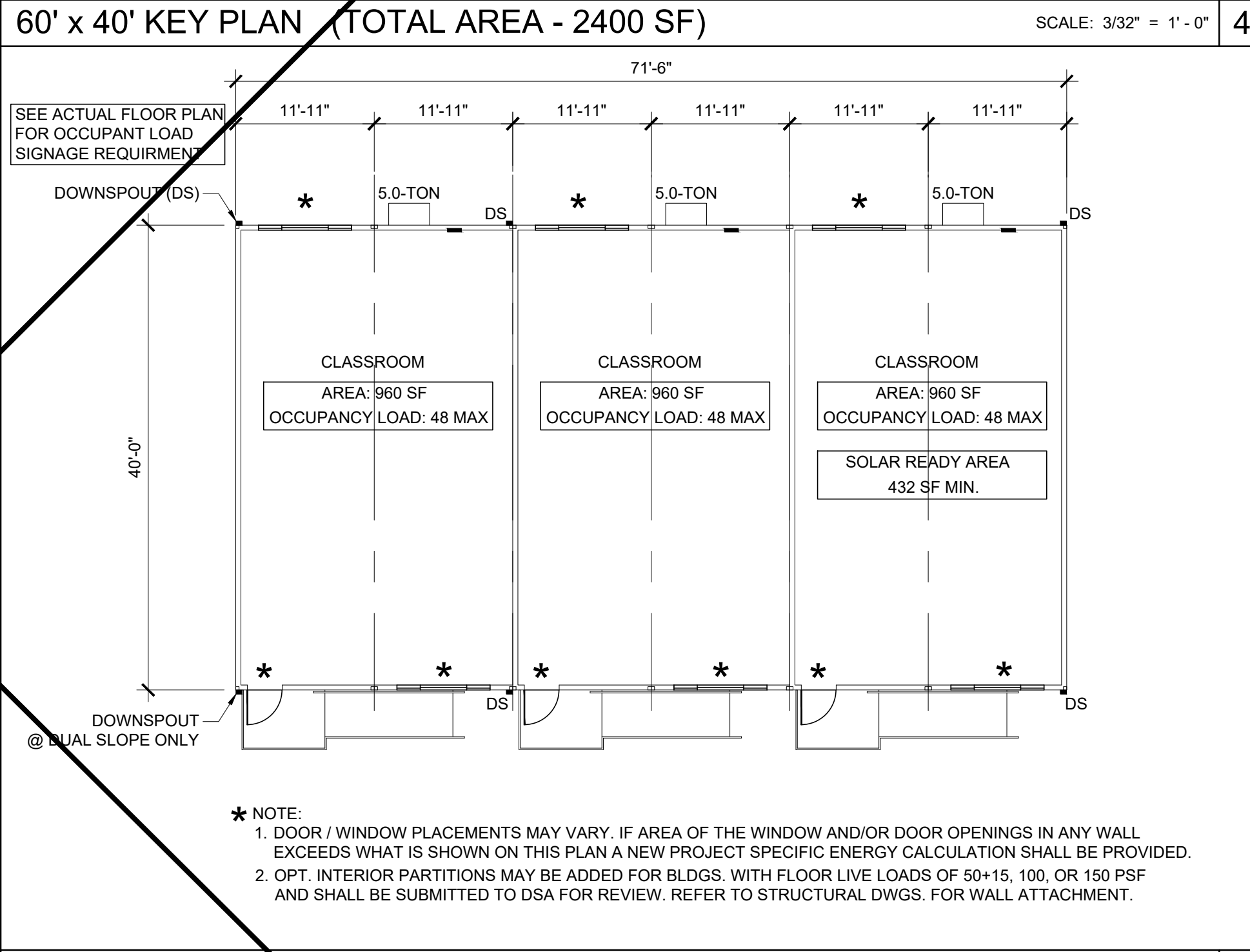
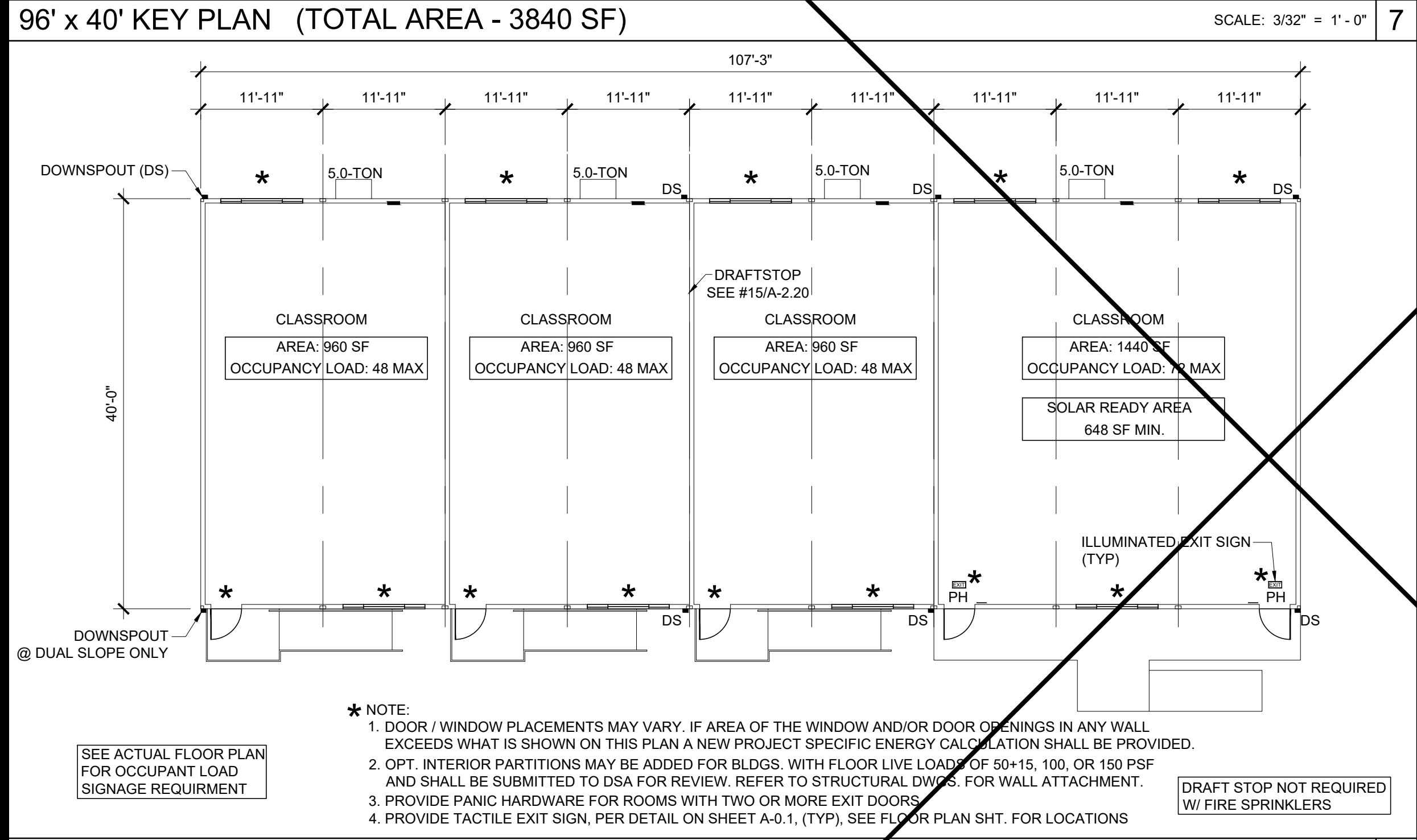
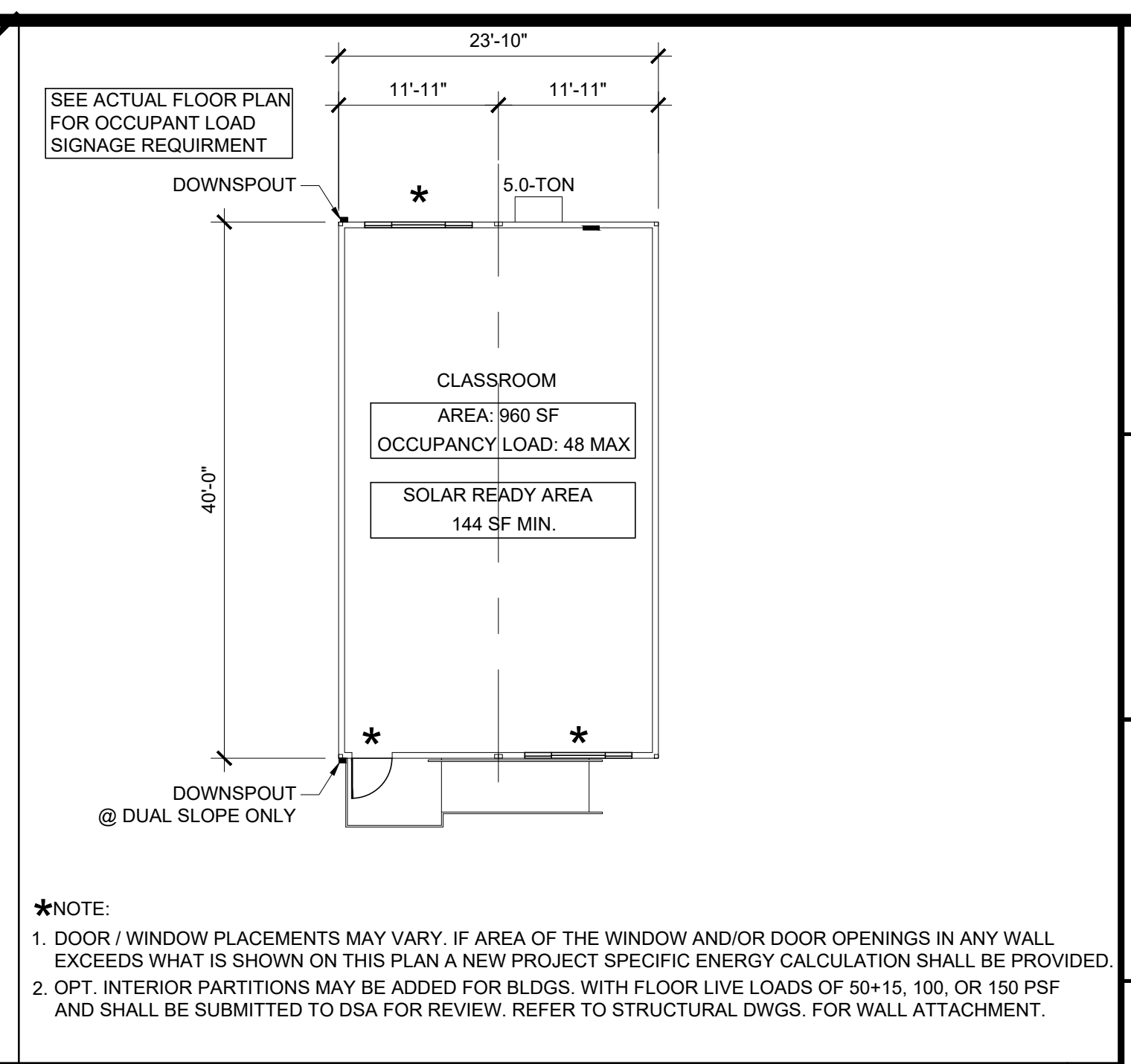
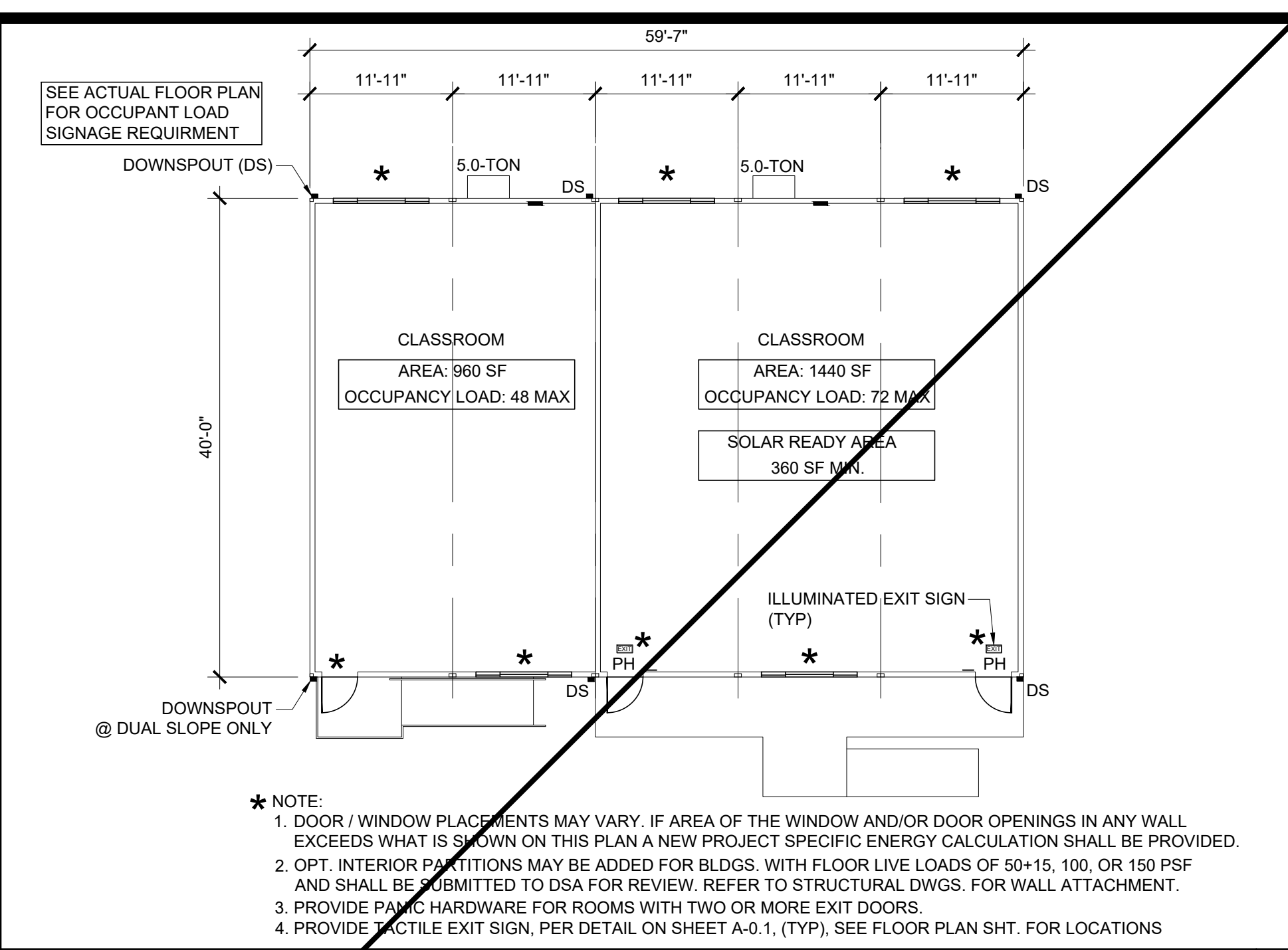
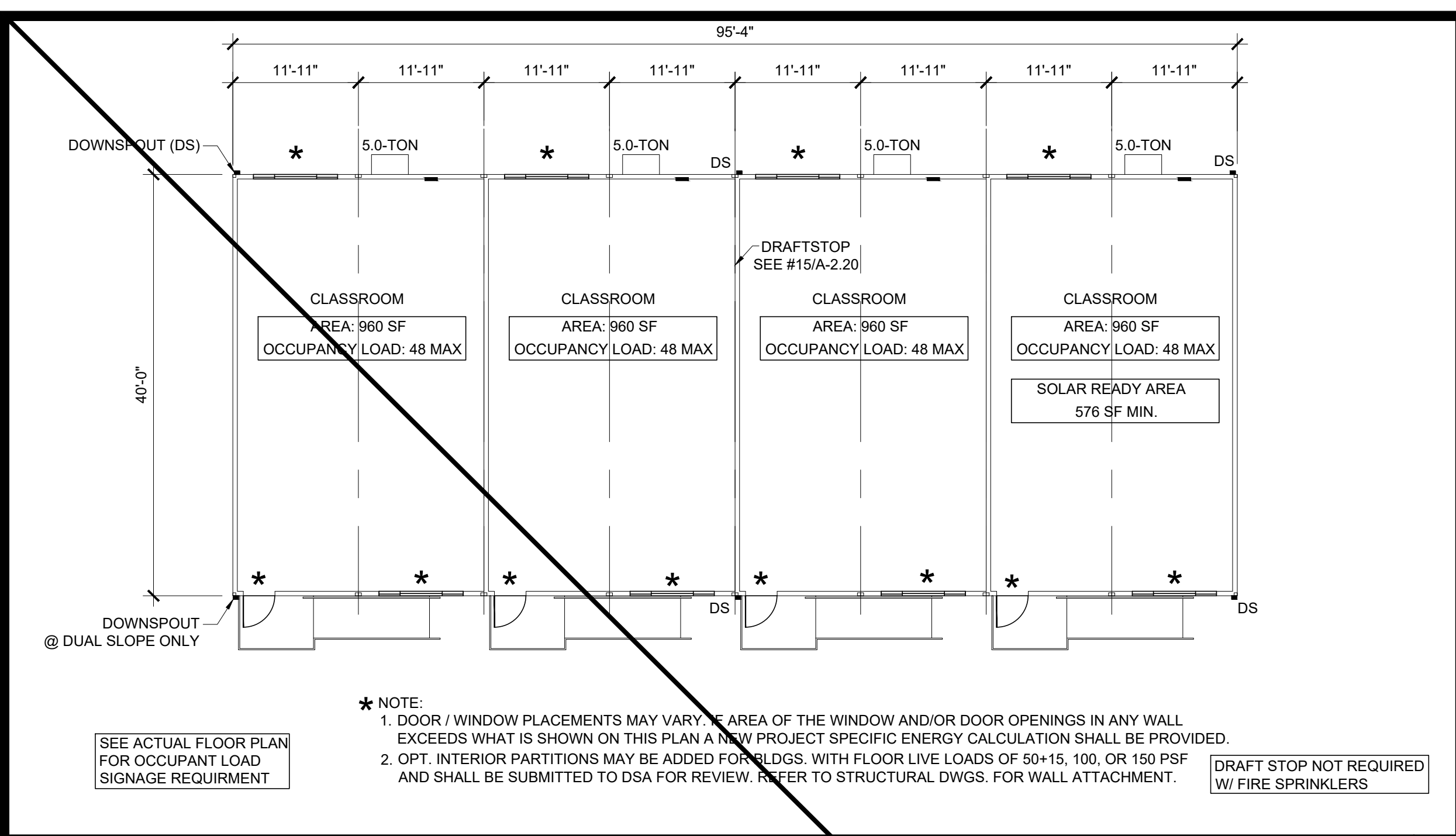
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-0.2



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 02-122154 INC:
REVIEWED FOR

SS FLS ACS

DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

**SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS**

SHEET TITLE:

**TYPICAL KEY PLANS
24' - 120' x 40'**

REVISIONS

1	
2	
3	
4	

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 14-121999 INC:
REVIEWED FOR

SS FLS ACS

DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

P.C. SHEET NUMBER
A-0.3

Zone	Zip Code (Weather Station)	Rotation
Zone 14 92301 (PALMDALE)		30
		75
		120
		165
		210
		255
Zone 15 92225 (PALM SPRINGS)		30
		75
		120
		165
		210
		255
Zone 16 96006 (BLUE CANYON)		30
		75
		120
		165
		210
		255

24x40 (1) 5-ton unit							
TDV Eff.	%	TDV Total	%	Source EN	%	Result	
75.68	18.0%	75.68	18.0%	6.98	19.3%	0.0%	
78.22	18.3%	78.22	18.3%	7.26	19.8%	0.0%	
78.82	18.5%	78.82	18.5%	7.27	19.8%	0.0%	
69.06	16.8%	69.06	16.8%	6.39	17.9%	0.0%	
72.38	17.4%	72.38	17.4%	6.65	18.5%	0.0%	
74.24	17.7%	74.24	17.7%	6.87	19.0%	0.0%	
75.17	17.9%	75.17	17.9%	6.93	19.2%	0.0%	
68.01	16.6%	68.01	16.6%	6.32	17.9%	0.0%	
72.14	16.8%	72.14	16.8%	6.79	20.9%	0.0%	
76.94	17.6%	76.94	17.6%	7.22	21.9%	0.0%	
78.02	17.8%	78.02	17.8%	7.34	22.2%	0.0%	
67.89	16.1%	67.89	16.1%	6.41	20.1%	0.0%	
68.26	16.1%	68.26	16.1%	6.53	20.3%	0.0%	
70.52	16.4%	70.52	16.4%	6.80	20.9%	0.0%	
67.87	15.9%	67.87	15.9%	6.61	20.5%	0.0%	
65.76	15.6%	65.76	15.6%	6.27	19.7%	0.0%	

36x40 (1) 5-ton unit							
TDV Eff.	%	TDV Total	%	Source EN	%	Result	
95.31	26.2%	95.31	26.2%	8.77	28.3%	PASS	
98.31	26.5%	98.31	26.5%	9.05	28.8%	PASS	
97.91	26.5%	97.91	26.5%	8.99	28.7%	PASS	
88.70	25.0%	88.70	25.0%	8.13	26.9%	PASS	
95.51	26.3%	95.51	26.3%	8.75	28.3%	PASS	
98.80	26.7%	98.80	26.7%	9.07	28.9%	PASS	
98.08	26.6%	98.08	26.6%	8.98	28.7%	PASS	
87.68	24.8%	87.68	24.8%	8.04	26.7%	PASS	
7.51	2.6%	7.51	2.6%	0.51	2.5%	PASS	
6.59	2.2%	6.59	2.2%	0.52	2.6%	PASS	
7.89	2.7%	7.89	2.7%	0.55	2.7%	PASS	
16.78	5.6%	16.78	5.6%	0.56	2.8%	PASS	
15.35	5.2%	15.35	5.2%	0.46	2.3%	PASS	
8.56	2.9%	8.56	2.9%	0.66	3.3%	PASS	
8.02	2.7%	8.02	2.7%	0.56	2.8%	PASS	
8.18	2.8%	8.18	2.8%	0.43	2.2%	PASS	

48x40
(2) 5-ton units

(2) 24x40 CLASSROOMS

60x40
(2) 5-ton units

(1) 24x40 CLASSROOM +
(1) 36x40 CLASSROOM

72x40
(3) 5-ton units

(3) 24x40 CLASSROOMS

84x40
(3) 5-ton units

(2) 24x40 CLASSROOMS +
(1) 36x40 CLASSROOM

96x40
(4) 5-ton units

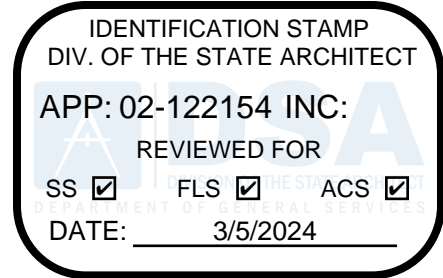
(4) 24x40 CLASSROOMS

108x40
(4) 5-ton units

(3) 24x40 CLASSROOMS +
(1) 36x40 CLASSROOM

120x40
(5) 5-ton units

(5) 24x40 CLASSROOMS



PROJECT SPECIFIC STATE AGENCY APPROVAL

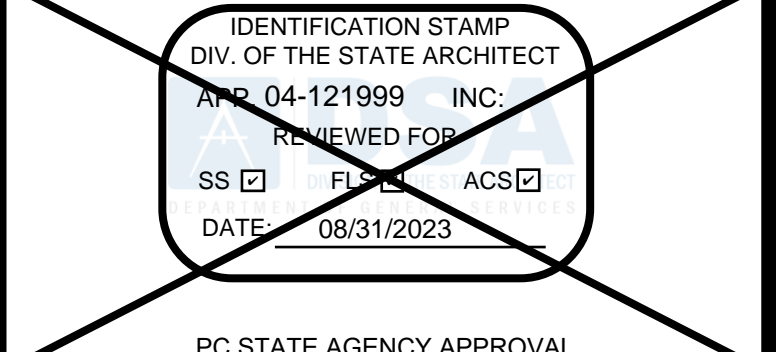
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PROJECT NAME:
**SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS**

SHEET TITLE:
**DESIGN ENERGY VALUES
WOOD FLOOR - WALL HVAC**

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL



MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

P.C. SHEET NUMBER
A-0.53

Envelope Min Design - Zone: 1-16		
Buildings: All		
Assembly	U-Value	Insulation R-Value
Walls:	0.062	R-19 batt
Floor:	0.054	R-19 batt
Roof:	0.055	R-30 Foam

HVAC Min Design - Zone: 1-16	
Building: 24 x 40	
Tonnage	5
Min. EER / COP	11.0/3.3
Outside Air	See Ventilation Calcs on Mechanical Plans
Occupancy Sensor	Yes
DCV/ Economizer	Yes
Cooling Stages (Min.)	1
Allowable Mechanical Unit (See Equipment Schedule)	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> STANDARD </div> <div style="text-align: center;"> OPTIONAL </div> </div>

HVAC Min Design - Zone: 1-16	
Buildings: 36 x 40	
Tonnage	5
Min. EER / COP	11.0/3.3
Outside Air	See Ventilation Calcs on Mechanical Plans
Occupancy Sensor	Yes
DCV/ Economizer	Yes
Cooling Stages (Min.)	2
Allowable Mechanical Unit (See Equipment Schedule)	<div style="text-align: center;"> STANDARD </div>

LEGEND
Occupancy Sensor: Ceiling mounted occupancy sensor with dimming controls. Automatic on for low level lighting only, full by manual activation.
DCV: Demand Control Ventilation

NOTES:
- Interior lights shall be dimmable LED fixtures, 51 Watts Max per fixtures, 4 fixtures per module per floor
- Windows shall be NFRC #INT-A-73-00213-00011 or equal, U-Factor = 0.520 (Max), SHGC = 0.350 (Max), Visual Transmittance = 0.610 (Min)
- Doors shall be hollow metal, uninsulated single layer doors (Min), U-Factor = 1.450 (Max)
- Refer to sheet A-0.2 For windows specifications
- Refer to sheet A-0.2 For insulation specifications
- Refer to sheets A-0.3 for mechanical layout per classroom
- Refer to Mechanical plans for more info
- Where Steel stud walls are used the exterior wall assembly shall be as follows:
U-Value 0.062 (max) - provide 6" (Nominal) studs @ 24" oc with R-19 batt cavity insulation and continuous 1.5" rigid foam insulation (R=8.8 min) on the interior side of the wall.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				
Nonresidential Performance Compliance Method				NICC-PRF-4 (Page 1 of 15)
Project Name:		04-121999 - 2640 - CONC FLS - RP HVAC		
Report Version:		2023-07-17		
A. GENERAL INFORMATION				
1	Project Name	04-121999 - 2640 - CONC FLS - RP HVAC		
2	Run Title			
3	Project Location	Specify		
4	City	Specify		
5	Code	ICDD	2022	
6	Climate Zone	14		
7	Building Type(s)	Public School Building for use in all climate zones (C1000.1)		
8	Project Scope	Full building		
9	Total conditioned floor area (sq ft)	960		
10	Total unconditioned floor area (sq ft)	0		
11	Weather File	MMXDALE_STYF03.rpt		
12	Number of Cooling Units	0		
13	Total # of conditioned rooms	0		
14	Weather File	MMXDALE_STYF03.rpt		
15	Number of Storage Units (Above Grade)	1		
16	Residential Conditioned Floor Area	0		

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2023.0.000 Report Generated: 2023-07-17 15:42:18
 Schema Version: rev 20220601

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				
Nonresidential Performance Compliance Method				NICC-PRF-4 (Page 2 of 15)
B. PROJECT SUMMARY				
Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within the general application.				
Building Component	Compliance Method	Compliance Method		Status
		Standard Design	Proposed Design	
Envelope (See Table E)	Not Included	Not Included	Not Included	N
Mechanical (See Table H)	Not Included	Not Included	Not Included	N
Domestic Hot Water (See Table I)	Not Included	Not Included	Not Included	N
Lighting (Linear Conditioned, see Table K)	Not Included	Not Included	Not Included	N
Battery (see Table F)	Not Included	Not Included	Not Included	N

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2023.0.000 Report Generated: 2023-07-17 15:42:18
 Schema Version: rev 20220601

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				
Nonresidential Performance Compliance Method				NICC-PRF-4 (Page 3 of 15)
C1. COMPLIANCE SUMMARY				
Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)	Status
Space Heating	435.64	435.64	35.39	N
Space Cooling	361.62	361.62	29.35	N
Domestic Hot Water	4.98	4.98	4.98	N
Lighting	Pass	Pass	Pass	N

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2023.0.000 Report Generated: 2023-07-17 15:42:18
 Schema Version: rev 20220601

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				
Nonresidential Performance Compliance Method				NICC-PRF-4 (Page 4 of 15)
C2. TUV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TUV Energy Use, kWh/ft²·yr)				
Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)	Status
Space Heating	31.03	28.78	2.25	N
Space Cooling	107.78	107.28	0.45	N
Domestic Hot Water	178.08	131.18	46.9	N
Lighting	0	0	0	N
Domestic Hot Water	61.39	61.38	-0.09	N
Indoor Lighting	32.61	32.1	0.51	N
Flexibility	---	---	---	N
EFFICIENCY COMPLIANCE TOTAL	435.64	361.62	74.02 (14.9%)	N
Batteries	---	---	---	N
TOTAL COMPLIANCE	435.64	361.62	74.02 (14.9%)	N

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2023.0.000 Report Generated: 2023-07-17 15:42:18
 Schema Version: rev 20220601

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				
Nonresidential Performance Compliance Method				NICC-PRF-4 (Page 5 of 15)
C3. TUV ENERGY RESULTS FOR NON-REGULATED COMPONENTS*				
Non-Regulated Energy Component	Standard Design	Proposed Design	Compliance Margin	Status
Receptacle	67.93	67.93	---	N
Process	---	---	---	N
Other Lig	---	---	---	N
Process Motors	---	---	---	N
TOTAL COMPLIANCE - NON-REGULATED COMPONENTS	67.93	67.93	0.00 (0.0%)	N

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2023.0.000 Report Generated: 2023-07-17 15:42:18
 Schema Version: rev 20220601

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				
Nonresidential Performance Compliance Method				NICC-PRF-4 (Page 6 of 15)
C4. SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual Source Energy Use, kWh/ft²·yr)				
Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE)	Status
Space Heating	4.6	4.17	0.43	N
Space Cooling	4.98	4.1	0.88	N
Domestic Hot Water	17.7	12.77	4.93	N
Indoor Lighting	0	0	0	N
Domestic Hot Water	6.48	6.49	-0.01	N
Indoor Lighting	2.57	1.82	0.75	N
Flexibility	---	---	---	N
EFFICIENCY COMPLIANCE TOTAL	35.39	28.45	6.94 (17.1%)	N
Batteries	---	---	---	N
TOTAL COMPLIANCE	35.39	28.45	6.94 (17.1%)	N

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				
Nonresidential Performance Compliance Method				NICC-PRF-4 (Page 7 of 15)
C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS*				
Non-Regulated Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE)	Status
Receptacle	4.92	4.92	---	N
Process	---	---	---	N
Other Lig	---	---	---	N
Process Motors	---	---	---	N
TOTAL COMPLIANCE - NON-REGULATED COMPONENTS	4.92	4.92	0.00 (0.0%)	N

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2023.0.000 Report Generated: 2023-07-17 15:42:18
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				
Nonresidential Performance Compliance Method				NICC-PRF-4 (Page 8 of 15)
C7. ENERGY USE SUMMARY				
Energy Component	Standard Design Site (kBtu)	Proposed Design Site (kBtu)	Margin (kBtu)	Margin Percentage
Space Heating	1	0.9	0.1	---
Space Cooling	3.7	2.6	0.1	---
Domestic Hot Water	6	4.4	1.6	---
Indoor Lighting	---	---	---	---
Domestic Hot Water	2.3	2.3	0	---
Indoor Lighting	1.2	0.8	0.4	---
Flexibility	---	---	---	---
ENERGY TOTAL	15.2	11	4.2	27.6%

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				
Nonresidential Performance Compliance Method				NICC-PRF-4 (Page 9 of 15)
C8. ENERGY USE INTENSITY (EUI)				
Energy Component	Standard Design (kBtu/ft ² ·yr)	Proposed Design (kBtu/ft ² ·yr)	Margin (kBtu/ft ² ·yr)	Margin Percentage
Space Heating	55.8	47.98	7.82	14.01
Space Cooling	55.8	47.98	7.82	14.01

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				
Nonresidential Performance Compliance Method				NICC-PRF-4 (Page 10 of 15)
E1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)				
Envelope Surface & Orientation	Total Gross Surface Area (ft ²)	Total Perimeter Area (ft)	Window to Wall Ratio (%)	Status
East Facing	460	0	0	
South Facing	552	32	5.7	

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD											
Nonresidential Performance Compliance Method										NICC-PRF-4 (Page 11 of 15)	
E2. WINDOW GENERAL INFORMATION (conditioned spaces only)											
Surface Name	Construction Type	Area (ft ²)	Framing Type	Cavity B-Value	Continuous B-Value	Interior	Exterior	U-Factor	Value	Description of Assembly Layers	Status
2nd Flr 101 WALL	Exterior Wall	1,408	Wood	19	N/A	N/A	U-Factor	0.0619	1.9	1/2" Ins. (1/2" R-19) 3/4" OC Plyform Board (1/2" R-19) 1/2" Ins. (1/2" R-19)	N
SC 101 ROOF	Roof	960	Metal	30	N/A	N/A	U-Factor	0.0504	1.9	1/2" Ins. (1/2" R-19) 3/4" OC Plyform Board (1/2" R-19) 1/2" Ins. (1/2" R-19)	N
SC 101C ROOF	Roof	960	Metal	30	N/A	N/A	U-Factor	0.1533	1.9	1/2" Ins. (1/2" R-19) 3/4" OC Plyform Board (1/2" R-19) 1/2" Ins. (1/2" R-19)	N

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				
Nonresidential Performance Compliance Method				NICC-PRF-4 (Page 12 of 15)
E3. MECHANICAL SYSTEM GENERAL INFORMATION				
Equipment Name	Equipment Type	Qty	Efficiency	Status
SC 101C ROOF	Roof	1	5.7	N

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD											
Nonresidential Performance Compliance Method											NICC-PRF-4 (Page 13 of 15)
H5. INDOOR CONDITIONED LIGHTING GENERAL INFO											
System Name	System Type	Qty	Rated Capacity (kVA)	Design	Control	Fan Type	CMB	Power	Power Units	Control	Status
SC 101C ROOF	Roof	1	5.7	0	N/A	N/A	5.7	SEER	12	Fixed DR	N

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD											
Nonresidential Performance Compliance Method											NICC-PRF-4 (Page 14 of 15)
H6. INDOOR CONDITIONED LIGHTING CONTROL											
System ID	System Type	Qty	Rated Capacity (kVA)	Design	Control	Fan Type	CMB	Power	Power Units	Control	Status
SC 101C ROOF	Roof	1	5.7	0	N/A	N/A	5.7	SEER	12	Fixed DR	N

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD											
Nonresidential Performance Compliance Method											NICC-PRF-4 (Page 15 of 15)
I2. INDOOR CONDITIONED LIGHTING SCHEDULE											
Name or Item Tag	Type	Watts per Luminaire	How is Wattage determined	Total Number of Luminaires	Insulator Watts						
						Watts per Luminaire	How is Wattage determined	Total Number of Luminaires	Insulator Watts		
SC 101C ROOF	---	---	---	---	---						

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				
Nonresidential Performance Compliance Method				NICC-PRF-4 (Page 16 of 15)
L. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION				
Selection made by Documentation Author indicates which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online.				
Building Component	Feature/Title	Compliance Method	Compliance Method	Compliance Method
Envelope	NICC-ENV-01 - Must be submitted for all buildings			
Mechanical	NICC-MCH-01 - Must be submitted for all buildings			
Mechanical	NICC-MCH-02 - Must be submitted for all buildings with Mechanical Systems			
Mechanical	NICC-MCH-03 - Must be submitted for all buildings			
Indoor Lighting	NICC-LTH-01 - Must be submitted for all buildings			
Indoor Lighting	NICC-LTH-02 - Indoor Lighting (for all buildings)			

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				
Nonresidential Performance Compliance Method				NICC-PRF-4 (Page 17 of 15)
M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE				
Selection made by Documentation Author indicates which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTP).				
Building Component	Feature/Title	Compliance Method	Compliance Method	Compliance Method
Envelope	NICC-ENV-01 - NRC label verification for fenestration			
Indoor Lighting	NICC-LTH-01 - Occupancy Sensors and Automatic Time Switch Controls			
Mechanical	NICC-MCH-01 - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-01 can be performed in conjunction with MCH-02.			
Mechanical	NICC-MCH-02 - Constant Volume Single Zone HVAC			
Mechanical	NICC-MCH-03 - Air Economizer Controls			
Mechanical	NICC-MCH-04 - Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (per Table 1) per very variable ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.			
Mechanical	NICC-MCH-05 - Automatic CO2 for Air Handling Units and Zone Terminal Units Acceptance			
Mechanical	NICC-MCH-06 - Occupancy Sensor Controls			

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				
Nonresidential Performance Compliance Method				NICC-PRF-4 (Page 18 of 15)
N. DOCUMENTATION AUTHORITY STATEMENT				
I, the undersigned, certify that this Certificate of Compliance documentation is accurate and complete.				
Documentation Authority Name:	Signature:	Documentation Authority Signature:	Signature Date:	
Company: SILVER CREEK		Address: 2830 BARRETT AVE, PERRIS, CA 92571	Phone: 951-943-5393	

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				
Nonresidential Performance Compliance Method				NICC-PRF-4 (Page 19 of 15)
O. RESPONSIBLE DESIGNER SIGNATURE				
Responsible Designer Name:	Signature:	Responsible Designer Name:	Signature:	

STATE OF CALIFORNIA
Nonresidential Building Commissioning
 CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
 Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
 Project Address: 2023-01-31T18:53:26-05:00

A. GENERAL INFORMATION			
01	Project Location (city)	Perris	04 Building Use (1)
02	Occupancy Type	Nonresidential	05 Nonresidential Conditioned Floor Area (ft²)
03	Project Type	Newly constructed	06 HVAC System Type
			07 Climate Zone

B. PROJECT SCOPE
 This section does not apply to this project.

Commissioning Requirements per 120.8

Item	Table	Code	Description
01	Table F: Design Review Kickoff	120.8(i)(1)	The design review kickoff meeting establishes who will play the role of the design reviewer, the project schedule and identify owner's requirements. This meeting should be conducted during schematic design.
02	Table G: Owner's Project Requirements (OPR)	120.8(j)	This requirement does not apply.
03	Table H: Basis of Design (BOD)	120.8(k)	This requirement does not apply.
04	Table I: Design Review	120.8(l) and 120.8(k)	The design reviewer(s) reviews the construction documents for clarity, completeness, and adherence to the owner's goals. Commissioning measures must be included in the construction documents to facilitate the design review and commissioning process. For projects with >= 10,000 ft² of nonresidential conditioned floor area, the design review is for adherence with the Owner's Project Requirements (OPR) and Basis of Design (BOD). This should be conducted during design.
05	Table J: Commissioning Plan	120.8(f)	This requirement does not apply.
06	Table K: Functional Performance Testing	120.8(g)	This requirement does not apply.
07	Table L: Documentation and Training	120.8(h)	This requirement does not apply.
08	Table M: Commissioning Report	120.8(i)	This requirement does not apply.

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STATE OF CALIFORNIA
Nonresidential Building Commissioning
 CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
 Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
 Project Address: 2023-01-31T18:53:26-05:00

J. CONSTRUCTION DOCUMENT DESIGN REVIEW CHECKLIST

07	Outdoor Lighting System and Controls Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.
08	Water Heating System Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.
09	Other Systems and Features	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.

K. COMMISSIONING PLAN
 This section does not apply to this project.

L. DOCUMENTATION AND TRAINING
 This section does not apply to this project.

M. COMMISSIONING REPORT
 This section does not apply to this project.

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
 There are no forms required for this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 There are no forms required for this project.

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STATE OF CALIFORNIA
Electrical Power Distribution
 CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
 Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
 Project Address: 2023-01-31T18:53:26-05:00

A. GENERAL INFORMATION

01	Project Location (city)	Perris	02	Climate Zone	10
			03	Occupancy Types Within Project	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(f) ³ 160.6(a) ⁴	System subject to CA Elec Code Article 517 Exception to 130.5(a)(2)(b) ⁵	Demand Response Controls	Provides power to dwelling units/tenants living areas only in multifamily occupancy
Site feeder	Add/In to branch circuits only				Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standard based messaging protocol which enables demand response after receiving a demand response signal. Sections 130.5(f), 130.5(f)(6)(3), and 130.5(f)(6)(3), and mechanical, indoor lighting, and sign lighting Certificate of Compliance documents will indicate when demand response controls are required.	

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 G, Exceptional Conditions for guidance or see applicable Table referenced below.

01	02	03	04	05	06
Service Electrical Metering 130.5(f)(1)	Separation for Monitoring 130.5(f)(2) AND 160.6(a)	Voltage Drop 130.5(f)(3) AND 160.6(b)	Controlled Recirculators 130.5(f)(4) AND 160.6(c)	Electric Ready 160.9 (See Table J)	Compliance Results
AND	AND	AND	AND	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(f) / 160.6(c). For alterations, only the altered circuits must demonstrate compliance per 141.0(b)(2)(IV) / 160.7(b)(2)(iv)(c).

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
Site feeder	<input checked="" type="checkbox"/> Voltage drop less than 5% <input type="checkbox"/> Permitted by CA Elec Code (Exception to 130.5(f)(3) ²	Contractor Responsible		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.
 * 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".

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Nonresidential Building Commissioning
 CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
 Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
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C. COMPLIANCE RESULTS
 Table C will indicate if the project data input into the compliance document is compliant with commissioning requirements per 120.8. This table is not editable by the user. If any cell on this table says "NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table G for guidance.

01	02	03	04	05	06	07	08	09
Design Kickoff Review	Owner's Project Requirements	Basis of Design	Design Review	Commissioning Plan	Functional Performance and Training	Documentation and Training	Commissioning Report	Compliance Results
Table F	Table G	Table H	Table I	Table J	Table K	Table L	Table M	
Yes								COMPLIES
10	Design Review(s) for the project	Yes			John Starlin			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.

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STATE OF CALIFORNIA
Nonresidential Building Commissioning
 CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
 Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
 Project Address: 2023-01-31T18:53:26-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh
 Signature Date: 02-20-2023
 Address: 2830 Barnett Ave
 City/State/Zip: Perris, CA 92571
 Phone: (951) 943-5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- 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).
- 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.
- 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.
- 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 to the building permit(s) to the building owner at occupancy.

Responsible Designer Name: John Starlin
 Signature Date: 02-20-2023
 Address: 2830 Barnett Ave
 City/State/Zip: Perris, CA 92571
 Phone: (951) 943-5393

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STATE OF CALIFORNIA
Electrical Power Distribution
 CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
 Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
 Project Address: 2023-01-31T18:53:26-05:00

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 G, Exceptional Conditions for guidance or see applicable Table referenced below.

01	02	03	04	05	06
Service Electrical Metering 130.5(f)(1)	Separation for Monitoring 130.5(f)(2) AND 160.6(a)	Voltage Drop 130.5(f)(3) AND 160.6(b)	Controlled Recirculators 130.5(f)(4) AND 160.6(c)	Electric Ready 160.9 (See Table J)	Compliance Results
AND	AND	AND	AND	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(f) / 160.6(c). For alterations, only the altered circuits must demonstrate compliance per 141.0(b)(2)(IV) / 160.7(b)(2)(iv)(c).

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
Site feeder	<input checked="" type="checkbox"/> Voltage drop less than 5% <input type="checkbox"/> Permitted by CA Elec Code (Exception to 130.5(f)(3) ²	Contractor Responsible		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.
 * 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".

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STATE OF CALIFORNIA
Nonresidential Building Commissioning
 CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
 Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
 Project Address: 2023-01-31T18:53:26-05:00

F. DESIGN REVIEW KICKOFF MEETING
 This table indicates that the design reviewer meets the qualification requirements per Title 24, Part 1 Section 10-103(a)(1) and demonstrates compliance with design review kickoff requirements per 120.8(i)(2). This meeting should occur during the Schematic Design phase of the project.

Design Review Kickoff Meeting Details

01	Date of Design Review Kickoff Meeting	2022-12-05
02	Meeting Attendees: (one person may play multiple roles)	
03	Owner/Trade Manager	<input type="checkbox"/> Design Reviewer(s)
04	Project Manager	<input checked="" type="checkbox"/> Design Architect/ Engineer(s): John Starlin
05	Contractor	<input type="checkbox"/> Certified Acceptance Test Tech(s):
06	Commissioning Provider:	<input checked="" type="checkbox"/> Energy 124 Part 6 Consultant: John Starlin

Design Reviewer Qualifications per Title 24 Part 1 Section 10-103(a)(1)
 The design reviewer(s) must be licensed professional engineers or licensed architects, or licensed contractors representing services performed by or under the direct supervision of a licensed engineer or architect, as specified in the provisions of Division 3 of the Business and Professions Code. These qualifications? Yes: No:
 In addition, for buildings with > 10,000 ft², the design reviewer(s) may also be a qualified in-house engineer or architect with no other project involvement or a third party engineer, architect or contractor.
 04) The design reviewer(s) for this project will be: John Starlin

Preliminary Construction Schedule

Item	Start Date	Completion Date
06) Schematic Design	2022-12-05	2022-12-05
06) Design Development	2022-12-05	2022-12-09
07) Construction Documents	2023-02-06	2023-02-24
08) Construction	2024-01-01	2024-01-01
09) Building Turnover	2024-01-01	2024-01-01

Project Goals Related to Energy Efficiency

10) Operational Costs	Code Minimum performance
11) Desired Building Lifespan	30 - 50 years.
12) Equipment Lifecycle	Industry standard.
13) Project Energy Efficiency Goals	Code Minimum performance.

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Nonresidential Building Commissioning
 CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
 Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
 Project Address: 2023-01-31T18:53:26-05:00

F. DESIGN REVIEW KICKOFF MEETING
 This table indicates that the design reviewer meets the qualification requirements per Title 24, Part 1 Section 10-103(a)(1) and demonstrates compliance with design review kickoff requirements per 120.8(i)(2). This meeting should occur during the Schematic Design phase of the project.

Design Review Kickoff Meeting Details

01	Date of Design Review Kickoff Meeting	2022-12-05
02	Meeting Attendees: (one person may play multiple roles)	
03	Owner/Trade Manager	<input type="checkbox"/> Design Reviewer(s)
04	Project Manager	<input checked="" type="checkbox"/> Design Architect/ Engineer(s): John Starlin
05	Contractor	<input type="checkbox"/> Certified Acceptance Test Tech(s):
06	Commissioning Provider:	<input checked="" type="checkbox"/> Energy 124 Part 6 Consultant: John Starlin

Design Reviewer Qualifications per Title 24 Part 1 Section 10-103(a)(1)
 The design reviewer(s) must be licensed professional engineers or licensed architects, or licensed contractors representing services performed by or under the direct supervision of a licensed engineer or architect, as specified in the provisions of Division 3 of the Business and Professions Code. These qualifications? Yes: No:
 In addition, for buildings with > 10,000 ft², the design reviewer(s) may also be a qualified in-house engineer or architect with no other project involvement or a third party engineer, architect or contractor.
 04) The design reviewer(s) for this project will be: John Starlin

Preliminary Construction Schedule

Item	Start Date	Completion Date
06) Schematic Design	2022-12-05	2022-12-05
06) Design Development	2022-12-05	2022-12-09
07) Construction Documents	2023-02-06	2023-02-24
08) Construction	2024-01-01	2024-01-01
09) Building Turnover	2024-01-01	2024-01-01

Project Goals Related to Energy Efficiency

10) Operational Costs	Code Minimum performance
11) Desired Building Lifespan	30 - 50 years.
12) Equipment Lifecycle	Industry standard.
13) Project Energy Efficiency Goals	Code Minimum performance.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
 Generated Date/Time: 2022-01-31 15:53:29
 Documentation Software: Energy Code Ace
 Report Version: 2022.0.000
 Compliance ID: 86563-0123-0005
 Schema Version: rev 20220101

STATE OF CALIFORNIA
Electrical Power Distribution
 CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
 Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
 Project Address: 2023-01-31T18:53:26-05:00

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title
NRCC-ELC-E - Must be submitted for all buildings

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 There are no forms required for this project.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
 Generated Date/Time: 2022-01-31 15:53:29
 Documentation Software: Energy Code Ace
 Report Version: 2022.0.000
 Compliance ID: 86563-0123-0006
 Schema Version: rev 20220101

STATE OF CALIFORNIA
Nonresidential Building Commissioning
 CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
 Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
 Project Address: 2023-01-31T18:53:26-05:00

F. DESIGN REVIEW KICKOFF MEETING
 This table indicates that the design reviewer meets the qualification requirements per Title 24, Part 1 Section 10-103(a)(1) and demonstrates compliance with design review kickoff requirements per 120.8(i)(2). This meeting should occur during the Schematic Design phase of the project.

Design Review Kickoff Meeting Details

01	Date of Design Review Kickoff Meeting	2022-12-05
02	Meeting Attendees: (one person may play multiple roles)	
03	Owner/Trade Manager	<input type="checkbox"/> Design Reviewer(s)
04	Project Manager	<input checked="" type="checkbox"/> Design Architect/ Engineer(s): John Starlin
05	Contractor	<input type="checkbox"/> Certified Acceptance Test Tech(s):
06	Commissioning Provider:	<input checked="" type="checkbox"/> Energy 124 Part 6 Consultant: John Starlin

Design Reviewer Qualifications per Title 24 Part 1 Section 10-103(a)(1)
 The design reviewer(s) must be licensed professional engineers or licensed architects, or licensed contractors representing services performed by or under the direct supervision of a licensed engineer or architect, as specified in the provisions of Division 3 of the Business and Professions Code. These qualifications? Yes: No:
 In addition, for buildings with > 10,000 ft², the design reviewer(s) may also be a qualified in-house engineer or architect with no other project involvement or a third party engineer, architect or contractor.
 04) The design reviewer(s) for this project will be: John Starlin

Preliminary Construction Schedule

Item	Start Date	Completion Date
06) Schematic Design	2022-12-05	2022-12-05
06) Design Development	2022-12-05	2022-12-09
07) Construction Documents	2023-02-06	2023-02-24
08) Construction	2024-01-01	2024-01-01
09) Building Turnover	2024-01-01	2024-01-01

Project Goals Related to Energy Efficiency

10) Operational Costs	Code Minimum performance
11) Desired Building Lifespan	30 - 50 years.
12) Equipment Lifecycle	Industry standard.
13) Project Energy Efficiency Goals	Code Minimum performance.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
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 Schema Version: rev 20220101

STATE OF CALIFORNIA
Nonresidential Building Commissioning
 CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
 Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
 Project Address: 2023-01-31T18:53:26-05:00

G. OWNER'S PROJECT REQUIREMENTS (OPR)
 This section does not apply to this project.

H. BASIS OF DESIGN (BOD)
 This section does not apply to this project.

I. CONSTRUCTION DOCUMENT DESIGN REVIEW CHECKLIST
 This table is only completed if a design review document is not attached to permit application to demonstrate compliance with 120.8(i)(2) and 120.8(j). For buildings with >= 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the Owner's Project Requirements (Table G) and the Basis of Design Documents (Table H). For buildings with < 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the goals documented in Table F, during the Design Review Kickoff.

01	Attaching Completed Design Review Documentation?	YES	NO
----	--------------------------------------------------	-----	----

Design Review Checklist

02	Envelope Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.
03	HVAC System Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.
04	HVAC Controls Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.
05	Indoor Lighting System Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.
06	Indoor Lighting Controls Design	The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
 Generated Date/Time: 2022-01-31 15:53:29
 Documentation Software: Energy Code Ace
 Report Version: 2022.0.000
 Compliance ID: 86563-0123-0005
 Schema Version: rev 20220101

STATE OF CALIFORNIA
Electrical Power Distribution
 CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
 Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
 Project Address: 2023-01-31T18:53:26-05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh
 Signature Date: 02-20-2023
 Address: 2830 Barnett Ave
 City/State/Zip: Perris, CA 92571
 Phone: (951) 943-5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- 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).
- 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.
- 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.
- 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 to the building permit(s) to the building owner at occupancy.

Responsible Designer Name: John Starlin
 Signature Date: 02-20-2023
 Address: 2830 Barnett Ave
 City/State/Zip: Perris, CA 92571
 Phone: (951) 943-5393

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
 Generated Date/Time: 2022-01-31 15:53:29
 Documentation Software: Energy Code Ace
 Report Version: 2022.0.000
 Compliance ID: 86563-0123-0006
 Schema Version: rev 20220101

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-12154 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.
 ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

SYLVAN USD
 CROSSROADS E.S.
 (2) 24' x 40'
 CLASSROOM BUILDINGS

SHEET TITLE:

CERTIFICATE OF COMPLIANCE FORMS

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Report Page: (Page 1 of 8)
Project Address: 2023-01-31T18:54:22-05:00

A. GENERAL INFORMATION
01 Project Location (city) Perris
02 Climate Zone 10
03 Outdoor Lighting Zone per Table 24 Part 1.1, 1.14 or as designated by Authority Having Jurisdiction (AHJ):
04 View Low - Undeveloped Parkland
05 View Moderate - Urban Clusters
06 View High - Urban Areas
07 Occupancy Types within Project
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(a) or 141.0(b)(2) / 180.2(b)(4) for alterations.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 86563-023-0007
Report Generated: 2023-01-31 15:54:24

Generated Date/Time: 2023-01-31 15:54:24
Documentation Software: Energy Code Ace

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Report Page: (Page 2 of 8)
Project Address: 2023-01-31T18:54:22-05:00

C. COMPLIANCE RESULTS
Results in this table are automatically calculated from data input and calculations in Tables 1 through N. Note: "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidelines are as applicable. Tables referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(a) or 141.0(b)(2) / 180.2(b)(4)											
01		02		03		04		05		06	
Hardship Allowance	Per Application	Sales Frontage	Ornamental	Per Specific Area	Existing Power Allowance	Total Allowed	Total Actual	07 must be <= 08			
140.7(a) / 170.2(a)	140.7(b)(2) / 170.2(a)	140.7(b)(2) / 170.2(a)	140.7(b)(2) / 170.2(a)	140.7(b)(2) / 170.2(a)	141.0(b)(2) / 180.2(b)(4)	277.06	30	COMPLIES			
Shielding Compliance (See Table E 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.
This section does not apply to this project.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.
(NRCLTO-01-E Expansion) 1

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 86563-023-0007
Report Generated: 2023-01-31 15:54:24

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Report Page: (Page 3 of 8)
Project Address: 2023-01-31T18:54:22-05:00

F. OUTDOOR LIGHTING FEATURE SCHEDULE
For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(a) 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.

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire*	How It is Controlled	Total Number Luminaires*	Luminaire Status*	Excluded per 140.7(a) / 170.2(a) or 141.0(b)(2) / 180.2(b)(4)	Design Watts	Cutoff Rec. or 6,000 Initial lumens output / 100.52(c) / 160.5(c)	Field Inspector
F-1	0 Watt LED Wallpack	30	Mfr. Spec	1	New	NA - < 6,000 lumens	30	NA - < 6,000 lumens	Pass / Fail
Total Design Watts: 30									

G. SHIELDING REQUIREMENTS (BUG)
This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 86563-023-0007
Report Generated: 2023-01-31 15:54:24

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Report Page: (Page 4 of 8)
Project Address: 2023-01-31T18:54:22-05:00

H. OUTDOOR LIGHTING CONTROLS
This table demonstrates compliance with control requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (if unswitched) 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.

01		02		03		04		05	
Area Description	Shut Off	Auto-Schedule	Motion Sensor	Field Inspector	Pass	Fail			
Entry "F-1"	Photocontrol	Provided	NA- Facade, etc. >=2 ft						

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
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Compliance ID: 86563-023-0007
Report Generated: 2023-01-31 15:54:24

Generated Date/Time: 2023-01-31 15:54:24
Documentation Software: Energy Code Ace

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Report Page: (Page 5 of 8)
Project Address: 2023-01-31T18:54:22-05:00

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))
This table includes areas using allowance calculations per 140.7 / 170.2(e). General Handicap Allowance is per Table 240.7-A Table 170.2-A while "Use it or lose it" Allowance are per Table 240.7-B Table 170.2-B. Indicate which Allowance are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" Allowance shall not qualify for another "Use it or lose it" Allowance.

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))									
01		02		03		04		05	
Area Description	Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (ft)	Allowed Density (W/ft²)	Linear Allowance (Watts)	Total General Handicap Allowance for Entire Site (Watts)	250	
Entry	60	0.01	1.26	34	0.2	6.8	250		
Instances of Initial Wattage Allowance (L2 only) ¹									
Total General Handicap Allowance (Watts)								258.06	

J. LIGHTING ALLOWANCE: PER APPLICATION
This table includes areas using the wattage allowance per application from Table 140.7-B / Table 170.2-B.

J. LIGHTING ALLOWANCE: PER APPLICATION											
01		02		03		04		05		06	
Area Description	Application per Table 140.7-B	# of Locations	Allowance per Location ¹	Area Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	Additional Allowance (Watts)		
Entry Door	Building Entrance/Exit	1	19	19	F-1	30	1	30	19		
Total Design Watts for this Area:									30		
Total Allowance (Watts) At Areas:									19		

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.

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.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 86563-023-0007
Report Generated: 2023-01-31 15:54:24

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Form/Title

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 86563-023-0007
Report Generated: 2023-01-31 15:54:24

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Form/Title

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 86563-023-0007
Report Generated: 2023-01-31 15:54:24

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Report Page: (Page 6 of 8)
Project Address: 2023-01-31T18:54:22-05:00

DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 86563-023-0007
Report Generated: 2023-01-31 15:54:24

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Domestic Water Heating System
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Report Page: (Page 7 of 8)
Project Address: 2023-02-07T18:17:35-05:00

A. GENERAL INFORMATION
01 Project Location (city) Perris
02 Climate Zone 10
03 Occupancy Types Within Project (select at least that apply):
Classroom sinks and restroom lavatories

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(a) and 141.0(b) / 180.2, or 141.0(b)(2) / 180.2 for alterations. Solar water heating systems are documented on the NRCC-048 compliance document. Combined hydronic water heating systems are documented on the NRCC-049 compliance document.

01			02			03			
My project consists of (check all that apply):	System Type ¹	System Components	04			05			
06	07	08	09			10			
01	02	03	04			05			
06	07	08	09			10			
COMPLIANCE RESULTS									
Table F 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 in the violation space.									
COMPLIES									

C. COMPLIANCE RESULTS
Table F 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 in the violation space.

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

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 86563-023-0009
Report Generated: 2023-02-07 13:17:38

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Domestic Water Heating System
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Report Page: (Page 2 of 8)
Project Address: 2023-02-07T18:17:35-05:00

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 120.3 and 120.4. Compliance with prescriptive requirements in 140.5(c) / 170.2(a) must also be demonstrated with 141.0 / 180.2 for alterations or additions. For additional information on the prescriptive path, refer to the prescriptive path in the prescriptive path.

03		04		05		06	
System Name	Wh-1	Exception to 140.5(c) / 170.2(a)	Exceptions Do Not Apply	Gas Water Heating System ¹ (MMBtu/h)	Capacity-weighted Average Efficiency	06	
07	08	09	10	11	12	13	14
07	08	09	10	11	12	13	14
07	08	09	10	11	12	13	14
07	08	09	10	11	12	13	14
07	08	09	10	11	12	13	14
07	08	09	10	11	12	13	14

G. 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 also demonstrated with requirements in 120.3(c), 160.4, and 170.2(a).

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 86563-023-0009
Report Generated: 2023-02-07 13:17:38

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Domestic Water Heating System
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Report Page: (Page 3 of 8)
Project Address: 2023-02-07T18:17:35-05:00

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
There are no forms required for this project.

K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION
There are no forms required for this project.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 86563-023-0009
Report Generated: 2023-02-07 13:17:38

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Domestic Water Heating System
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Report Page: (Page 4 of 8)
Project Address: 2023-02-07T18:17:35-05:00

DECLARATION OF AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 86563-023-0009
Report Generated: 2023-02-07 13:17:38

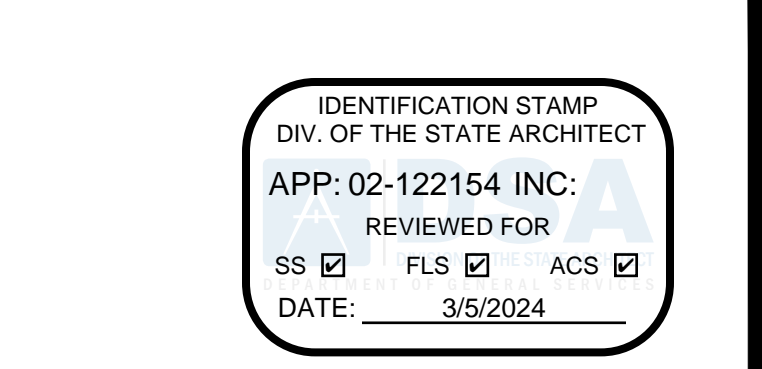
STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Domestic Water Heating System
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Report Page: (Page 5 of 8)
Project Address: 2023-02-07T18:17:35-05:00

L. DOMESTIC HOT WATER CONTROLS
This table demonstrates compliance with control requirements in 210.3 for all occupancies. For multifamily residential and hotel/motel occupancies, compliance is also demonstrated with requirements in 160.4(e) / 170.2(a).

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Domestic Water Heating System
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Report Page: (Page 6 of 8)
Project Address: 2023-02-07T18:17:35-05:00

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Form/Title

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000
Compliance ID: 86563-023-0009
Report Generated: 2023-02-07 13:17:38



PROJECT SPECIFIC STATE AGENCY APPROVAL

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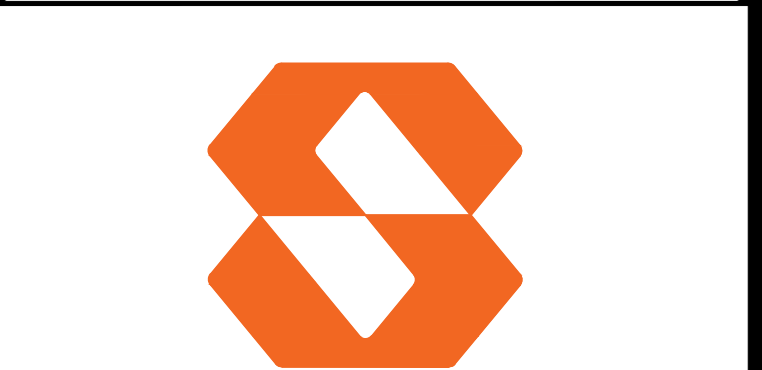
ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINAL WITH SCM INC SHALL BE THE PROPERTY OF SCM INC

PROJECT NAME: SYLVAN USD CROSSROADS E.S. (2) 24' x 40' CLASSROOM BUILDINGS

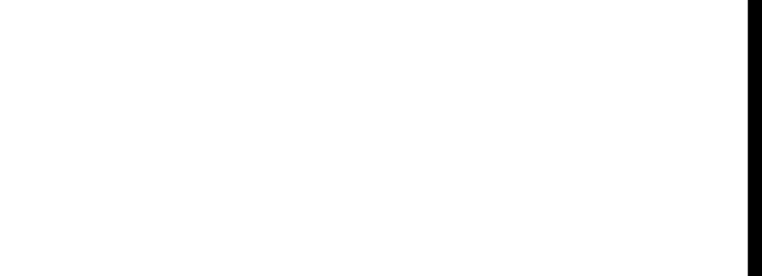
CERTIFICATE OF COMPLIANCE FORMS

REVISIONS

PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL



MODULAR BUILDING DESIGN PROFESSIONAL

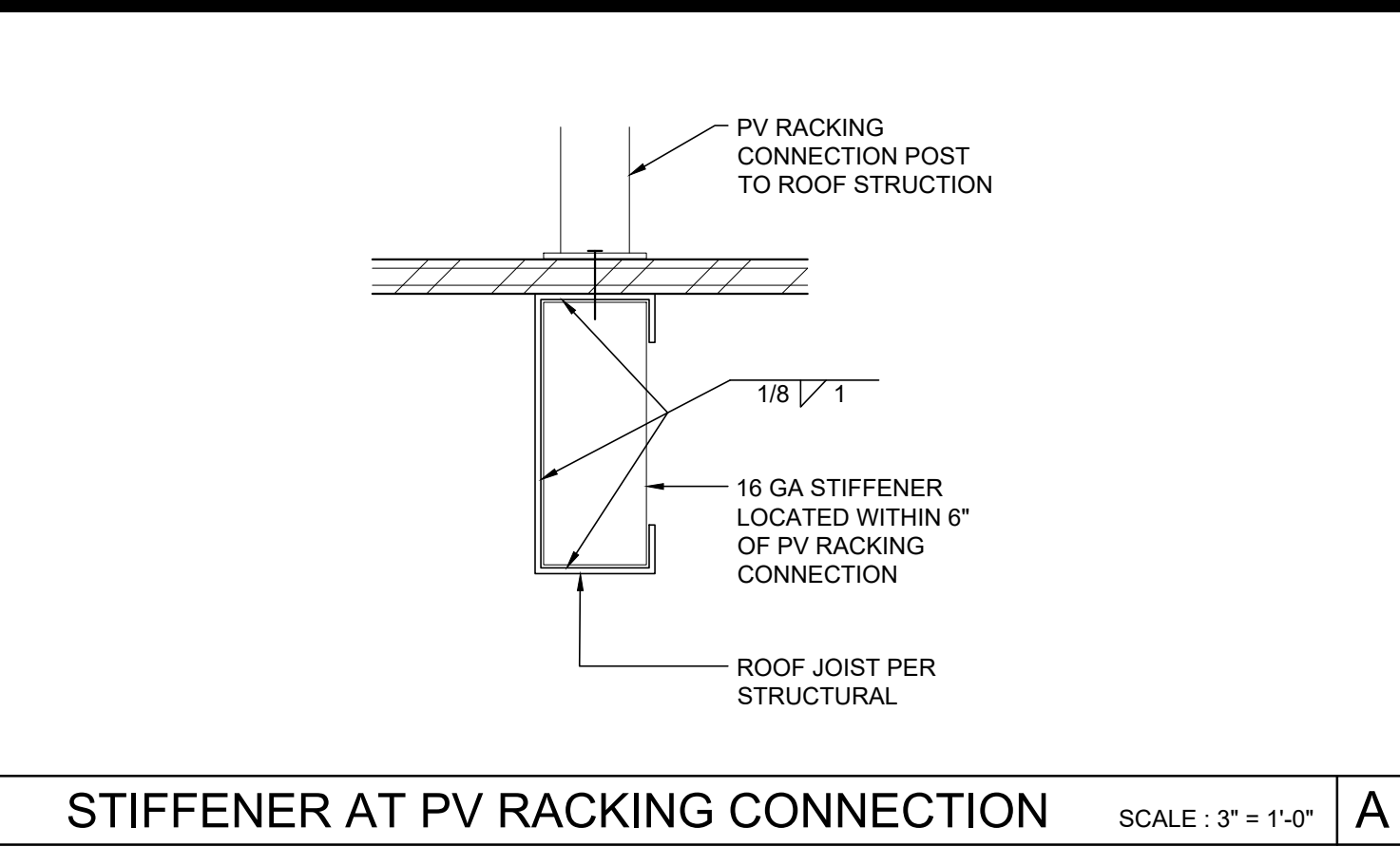
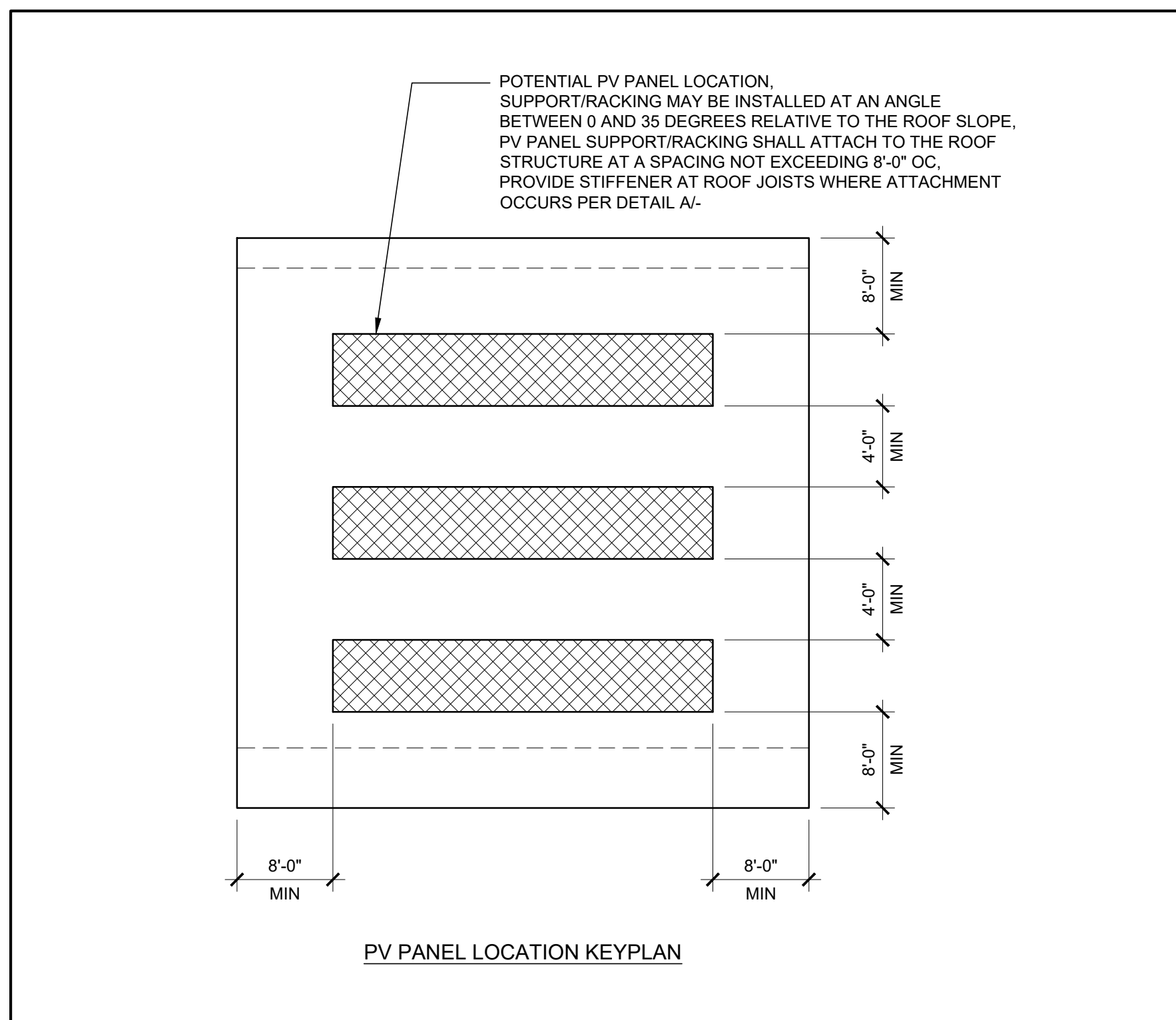
SILVER CREEK INDUSTRIES 24' x 40' PC

PROJECT NO: DRAWN BY: AS NOTED DATE: 02-27-2023 P.C. SHEET NUMBER

A-0.6B

NOTE:
THE PC ROOF STRUCTURE HAS BEEN DESIGNED TO SUPPORT THE MASS OF A PV SYSTEM (TOTAL ALLOWANCE IS EQUAL TO 0.6 POUNDS x THE TOTAL ROOF AREA) TO BE DESIGNED AND INSTALLED UNDER THE PROJECT SPECIFIC APPLICATION.

THE PC ROOF STRUCTURE HAS BEEN DESIGNED TO ACCOMMODATE THE POTENTIAL UPLIFT ON THE ROOF FRAMING MEMBERS WHEN THE PV SYSTEM IS INSTALLED PER THE EDGE CLEARANCE AND SPACING AS INDICATED BELOW.



REQUIRED PV SYSTEM SIZE (kW)		BUILDING SIZE								
		24'x40'	36'x40'	48'x40'	60'x40'	72'x40'	84'x40'	96'x40'	108'x40'	120'x40'
		APPROXIMATE CONDITIONED FLOOR AREA								
CLIMATE ZONE	960	1440	1920	2400	2880	3360	3840	4320	4800	
1	NONE	NONE	NONE	NONE	NONE	4.3	4.9	5.5	6.1	
2	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8	
3	NONE	NONE	NONE	NONE	NONE	4.3	4.9	5.5	6.1	
4	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8	
5	NONE	NONE	NONE	NONE	NONE	4.3	4.9	5.5	6.1	
6	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8	
7	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8	
8	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8	
9	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8	
10	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8	
11	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8	
12	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8	
13	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8	
14	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8	
15	NONE	NONE	4.7	5.9	7.1	8.3	9.4	10.6	11.8	
16	NONE	NONE	NONE	NONE	NONE	4.3	4.9	5.5	6.1	
ALL ZONES	NONE	NONE	4.7	5.9	7.1	8.3	9.4	10.6	11.8	

THE PRESCRIPTIVE MINIMUM REQUIRED PV SYSTEM SIZE IS INDICATED IN THE CHART ABOVE. THE ACTUAL PV SYSTEM SHALL BE INCLUDED IN THE PROJECT SPECIFIC DRAWING PACKAGE. ALL PV SYSTEM COMPONENT, CONNECTIONS AND DETAILING SHALL BE INCLUDED IN THE PROJECT SPECIFIC DRAWING PACKAGE.

WHERE THE PROJECT SPECIFIC DRAWING PACKAGE INDICATES THAT THE BUILDING IS BEING APPROVED FOR A SPECIFIC CLIMATE ZONE THE (MINIMUM) PV SYSTEM SIZE SHALL BE AS INDICATED FOR THAT CLIMATE ZONE IN THE CHART ABOVE. WHERE THE BUILDING IS INTENDED TO BE ELIGIBLE FOR RELOCATION TO ANY CLIMATE ZONE THE (MINIMUM) PV SYSTEM SIZE SHALL BE AS INDICATED IN THE "ALL ZONES" ROW.

CALIFORNIA ENERGY CODE - MANDATORY MEASURES

INTERIOR LIGHTING MANDATORY MEASURES:

- ALL LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS, AND LUMINAIRES SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.9.
- ALL LUMINAIRES SHALL BE FACTORY-LABELED PER SECTION 130.0(i).
- EACH ROOM AND AREA WITH FLOOR-TO-CEILING WALLS IN THIS BUILDING SHALL BE EQUIPPED WITH MANUAL ON AND OFF LIGHTING CONTROLS PER SECTION 130.1(b).
- ALL ROOMS AND AREAS 100 SF OR GREATER AND WITH MORE THAN 0.5 WATT PER SF OF LIGHTING LOAD WITH 2 OR MORE LUMINAIRES SHALL BE CONTROLLED WITH MULTI-LEVEL SWITCHING FOR UNIFORM REDUCTION OF LIGHTING WITHIN THE ROOM. CONTROL STEPS SHALL MEET REQUIREMENTS IN TABLE 130.1.A.
- PROVIDE VACANCY SENSOR OR PARTIAL-ON OCCUPANCY SENSOR IN ALL ROOMS.
- ALL GENERAL LIGHTING IN PRIMARY SIDELIT DAYLIT ZONES AND SKYLIT DAYLIT ZONES IN ENCLOSED SPACES WITH 120 WATTS, OR MORE IN COMBINED PRIMARY/SKYLIT ZONES AND 24 SF, OR MORE OF FENESTRATION, SHALL BE CONTROLLED WITH AUTOMATIC DAYLIGHTING CONTROLS PER SECTION 130.1(d).

OUTDOOR LIGHTING MANDATORY MEASURES:

- ALL LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS, AND LUMINAIRES SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.9.
- ALL LUMINAIRES SHALL BE FACTORY-LABELED PER SECTION 130.0(i).
- ALL OUTDOOR LIGHTING SHALL BE OPERATED WITH CONTROLS WHICH AUTOMATICALLY TURNS OFF OUTDOOR LIGHTING WHEN DAYLIGHT IS AVAILABLE PER SECTION 130.2(c).
- ALL OUTDOOR LIGHTING SHALL BE INDEPENDENTLY CONTROLLED FROM OTHER ELECTRICAL LOADS WHICH ARE CONTROLLED BY AN AUTOMATIC SCHEDULING CONTROL PER SECTION 130.2(c).

SPACE CONDITIONING EQUIPMENT MANDATORY MEASURES:

- ALL SPACE CONDITIONING EQUIPMENT SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.2.
- MECHANICAL VENTILATION SHALL BE PROVIDED PER SECTION 120.1.
- ALL SPACE CONDITIONING CONTROLS SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 120.2.
- ALL AIR DISTRIBUTION SYSTEM DUCTS AND PLENUMS SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 120.4.

BUILDING ENVELOPE MANDATORY MEASURES:

- ALL FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.6.
- A PATHWAY SHALL BE PROVIDED FROM THE SOLAR ZONE TO AN INDICATED LOCATION SUITABLE FOR THE FUTURE INSTALLATION OF INVERTERS AND METERING EQUIPMENT PER SECTION 110.10(c).
- ALL INSULATION, ROOFING PRODUCTS AND RADIANT BARRIERS SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.7.
- THE WEIGHTED AVERAGE U-FACTOR OF THE ROOF ASSEMBLY SHALL NOT EXCEED 0.075 PER SECTION 120.7(a).
- THE WEIGHTED AVERAGE U-FACTOR OF THE EXTERIOR WALL ASSEMBLY SHALL NOT EXCEED 0.110 PER SECTION 120.7(b).
- THE WEIGHTED AVERAGE U-FACTOR OF THE FLOOR ASSEMBLY SHALL NOT EXCEED 0.071 PER SECTION 120.7(c).

SOLAR READY AND ELECTRICAL DISTRIBUTION MANDATORY MEASURES:

- A SOLAR ZONE SHALL BE PROVIDED ON THE ROOF OF THE BUILDING PER SECTION 110.10(b).
- A PATHWAY SHALL BE PROVIDED FROM THE SOLAR ZONE TO AN INDICATED LOCATION SUITABLE FOR THE FUTURE INSTALLATION OF INVERTERS AND METERING EQUIPMENT PER SECTION 110.10(c).
- ELECTRICAL SERVICE METERING SHALL UTILIZE A PERMANENTLY INSTALLED METERING SYSTEM PER SECTION 130.5(a).
- SEPARATION OF ELECTRICAL CIRCUITS SHALL NOT BE REQUIRED WHERE ELECTRICAL SERVICE OR FEEDER IS RATED AT 50 KVA OR LESS PER SECTION 130.5(b).
- THE VOLTAGE DROP TO THE FARTHEST CONNECTED LOAD OR OUTLET SHALL NOT EXCEED 5% PER SECTION 130.5(c).

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 HELP 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.

A LISTING OF CERTIFIED ATT CAN BE FOUND AT [HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE](https://www.energy.ca.gov/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.

THIS LIST OF REQUIRED ACCEPTANCE TESTS FOR THE PROJECT IS FOUND IN THE LAST PAGES OF THE ENERGY COMPLIANCE REPORTS (T24) UNDER DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE.

PV SYSTEM SIZING AND INSTALLATION REQUIREMENTS

3 CALIFORNIA ENERGY CODE - MANDATORY MEASURES 1

CONSTRUCTION WASTE MANAGEMENT PLAN

- A. DEFINITIONS**
- CONSTRUCTION AND DEMOLITION (C&D) WASTE: INCLUDES ALL NON-HAZARDOUS SOLID WASTES RESULTING FROM CONSTRUCTION, REMODELING, ALTERATIONS, REPAIR, AND DEMOLITION. INCLUDES MATERIAL THAT IS RECYCLED, REUSED, SALVAGED OR DISPOSED AS GARBAGE.
 - RECYCLING: THE PROCESS OF SORTING, CLEANING, TREATING, AND RECONSTITUTING MATERIALS FOR THE PURPOSE OF USING THE MATERIAL IN THE MANUFACTURE OF A NEW PRODUCT.
 - CO-MINGLED C&D RECYCLING: THE PROCESS OF COLLECTING MIXED RECYCLABLE MATERIALS IN ONE CONTAINER ON-SITE. THE CONTAINER IS TAKEN TO A MATERIAL RECOVERY FACILITY WHERE MATERIALS ARE SEPARATED FOR RECYCLING.
- B. PERFORMANCE REQUIREMENTS**
- GENERAL: WASTE MATERIAL GENERATED DURING PROJECTS SHALL BE RECYCLED OR REUSED WHENEVER PRACTICABLE. DIVERT A MINIMUM OF 90% C&D WASTE, BY WEIGHT, FROM THE LANDFILL BY A CO-MINGLED C&D RECYCLING FACILITY.
 - C&D WASTE MATERIALS THAT SHALL BE SALVAGED, REUSED OR RECYCLED INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: CONCRETE, METALS, WINDOW GLASS, WOOD, GYPSUM BOARD, CARPETING AND PAD, CEILING TILES
 - QUALITY ASSURANCE
 - PRE-CONSTRUCTION CONFERENCE: REVIEW METHODS AND PROCEDURES RELATED TO WASTE MANAGEMENT INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
 - REVIEW AND DISCUSS WASTE MANAGEMENT PLAN INCLUDING RESPONSIBILITIES OF WASTE MANAGEMENT COORDINATOR.
 - REVIEW REQUIREMENTS FOR DOCUMENTING QUANTITIES OF EACH TYPE OF MATERIALS THAT WILL BE SALVAGED, RECYCLED OR DISPOSED OF AS WASTE.
 - REVIEW PROCEDURES FOR PERIODIC WASTE COLLECTION AND TRANSPORTATION TO RECYCLING AND DISPOSAL FACILITIES.
 - REVIEW WASTE MANAGEMENT REQUIREMENTS FOR EACH TRADE.
- D. WASTE MANAGEMENT PLAN**
- IDENTIFY AND CONTRACT WITH A WASTE MANAGEMENT SERVICES PROVIDER OR ASSIGN RESPONSIBILITY TO INHOUSE WASTE MANAGEMENT PROJECT ADMINISTRATOR
 - RESPONSIBLE PARTY SHALL DEVELOP AND PROVIDE A PLAN WHICH INCLUDES THE FOLLOWING INFORMATION:
 - TYPES OF C&D WASTE EXPECTED TO BE GENERATED DURING DEMOLITION AND CONSTRUCTION.
 - PROPOSED METHODS FOR C&D WASTE SALVAGE, REUSE, RECYCLING AND DISPOSAL.
 - PROPOSED METHODS FOR SALVAGE, REUSE, RECYCLING AND DISPOSAL DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, ONE OR MORE OF THE FOLLOWING:
 - ACQUIRING SUBCONTRACTORS TO TAKE THEIR C&D WASTE TO A RECYCLING FACILITY.
 - CONTRACTING WITH A RECYCLING HAULER TO Haul RECYCLABLE C&D WASTE TO AN APPROVED RECYCLING OR MATERIAL RECOVERY FACILITY.
 - PROCESSING AND REUSING MATERIALS ON-SITE
- E. WASTE MANAGEMENT REPORT**
- WASTE MANAGEMENT SERVICES PROVIDER OR ADMINISTRATOR SHALL SUBMIT A CUMULATIVE WASTE MANAGEMENT REPORT ON A REGULAR BASIS WHICH INCLUDES:
 - A RECORD OF THE TYPE AND QUANTITY, BY WEIGHT, OF EACH MATERIAL SALVAGED, REUSED, RECYCLED OR DISPOSED.
 - TOTAL QUANTITY OF WASTE RECYCLED AS A PERCENTAGE OF TOTAL WASTE.
 - DISPOSAL RECEIPTS: COPY OF RECEIPTS ISSUED BY A DISPOSAL FACILITY FOR C&D WASTE THAT IS DISPOSED IN A LANDFILL.
 - RECYCLING RECEIPTS: COPY OF RECEIPTS ISSUED BY APPROVED RECYCLING FACILITIES FOR COMINGLED MATERIALS. INCLUDE WEIGHT TICKETS FROM THE RECYCLING HAULER OR MATERIAL RECOVERY FACILITY AND VERIFICATION OF THE RECYCLING RATE FOR CO-MINGLED LOADS AT THE FACILITY.
 - SALVAGED MATERIALS: TYPES AND QUANTITIES, BY WEIGHT, FOR MATERIALS SALVAGED FOR REUSE ON SITE, SOLD OR DONATED TO A THIRD PARTY.
- F. CONSTRUCTION WASTE MANAGEMENT, GENERAL REQUIREMENTS**
- USE DETAILED MATERIAL ESTIMATES TO REDUCE RISK OF UNPLANNED AND POTENTIALLY WASTEFUL CUTS.
 - TO THE GREATEST EXTENT POSSIBLE, INCLUDE IN MATERIAL PURCHASING AGREEMENTS A WASTE REDUCTION PROVISION REQUESTING THAT MATERIALS AND EQUIPMENT BE DELIVERED IN PACKAGING MADE OF RECYCLABLE MATERIAL, THAT THEY REDUCE THE AMOUNT OF PACKAGING, THAT PACKAGING BE TAKEN BACK FOR REUSE OR RECYCLING, AND TO TAKE BACK ALL UNUSED PRODUCT. INSURE THAT SUBCONTRACTORS REQUIRE THE SAME PROVISIONS IN THEIR PURCHASE AGREEMENTS.
 - CONDUCT REGULAR VISUAL INSPECTIONS OF DUMPSTERS AND RECYCLING BINS TO REMOVE CONTAMINANTS. A MINIMUM OF 65% (BY WEIGHT) OF THE NON-HAZARDOUS CONSTRUCTION WASTE SHALL BE RECYCLED AND/OR SALVAGED FOR REUSE.
 - CONSTRUCTION WASTE MATERIALS SHALL BE COLLECTED IN CO-MINGLED CONTAINERS EXCEPT STEEL AND WOOD SHALL BE COLLECTED SEPARATELY.
 - CONSTRUCTION WASTE SHALL BE HAULED, SEPARATED, AND MEASURED BY CR-R (OR AN EQUAL WASTE MANAGEMENT COMPANY). A REPORT SHALL BE PROVIDED INDICATING THE DIVERSION RATE (BY VOLUME).
- G. REMOVAL OF CONSTRUCTION WASTE MATERIALS, GENERAL REQUIREMENTS**
- REMOVE C&D WASTE MATERIALS FROM PROJECT SITE ON A REGULAR BASIS. DO NOT ALLOW C&D WASTE TO ACCUMULATE ON-SITE.
 - TRANSPORT C&D WASTE MATERIALS OFF PROPERTY AND LEGALLY DISPOSE OF THEM.
 - BURNING OF C&D WASTE IS NOT PERMITTED.

IEQ PLAN

- A. CONSTRUCTION PHASE:**
- ALL MECHANICAL EQUIPMENT WHICH REQUIRES A FILTER SHALL NOT BE OPERATED WITHOUT A FILTER IN PLACE.
 - ALL FILTERS SHALL HAVE A MERV RATING OF 13 OR GREATER (2" THICK).
 - A PRESSURE GAUGE SHALL BE INSTALLED AT ALL MECHANICAL EQUIPMENT REQUIRING FILTERS WHICH MEASURES THE PRESSURE DROP ACROSS THE FILTER AND WHICH IS MARKED TO INDICATE WHEN THE FILTER REQUIRES CLEANING OR REPLACEMENT
- 2. PROTECTION OF MATERIALS**
- ALL BUILDING MATERIALS SHALL BE PROTECTED FROM WEATHER AND OTHER MOISTURE SOURCES WHEN RECOMMENDED BY THE MANUFACTURER.
 - ANY POROUS MATERIAL, WITH VISIBLE MICROBIAL GROWTH SHALL NOT BE INSTALLED.
 - ANY OTHER MATERIAL, WITH VISIBLE MICROBIAL GROWTH SHALL BE THOROUGHLY CLEAN AND DECONTAMINATED PRIOR TO INSTALLATION.
- 3. PROTECTION OF INTERIOR ENVIRONMENT**
- WHENEVER POSSIBLE ALL SANDING, CUTTING GRINDING OR OTHER ACTIVITIES WHICH WILL GENERATE AIRBORNE PARTICLES SHALL BE PERFORMED AWAY FROM THE BUILDING.
 - WHERE AIRBORNE PARTICLE GENERATING ACTIVITIES CANNOT BE PERFORMED AWAY FROM THE BUILDING PROTECTIVE MEASURES SHALL BE TAKE TO SEAL INTERIOR AREAS TO REDUCE OR ELIMINATE PARTICLE TRANSFER.
 - ANY TEMPORARILY UNFILLED EXTERIOR OPENINGS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER BARRIER, TO PREVENT THE MOISTURE AND OTHER CONTAMINANTS FROM ENTERING THE BUILDING.
 - ALL WELDING SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF EXTERIOR WALLS WHEREVER POSSIBLE.
- 4. DUCT SYSTEM CONSTRUCTION**
- THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER THE SMACNA HV AC DUCT CONSTRUCTION STANDARDS FOR METAL AND FLEXIBLE DUCTWORK.
 - THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER THE SMACNA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS.
 - THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED NFPA 90A & NFPA 90B.
 - ONCE INSTALLED ALL OPEN DUCTS AND REGISTERS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER BARRIER, UNTIL THE BUILDING HAS BEEN COMPLETELY INSTALLED AND ENCLOSED AND THE MECHANICAL SYSTEM IS READY TO BE STARTED.
 - ALL OIL FILM SHALL BE REMOVED FROM DUCTS PRIOR TO INSTALLATION.
 - ALL DUST AND DIRT SHALL BE REMOVED FROM BOTH THE INTERIOR AND EXTERIOR OF ALL DUCTS PRIOR TO INSTALLATION.
- 5. MATERIALS INSTALLATION**
- NATURAL OR TEMPORARY MECHANICAL VENTILATION SHALL BE PROVIDED WHEN MATERIALS WHICH EMIT VOLATILE ORGANIC COMPOUNDS (VOC) ARE INSTALLED.
 - NATURAL OR TEMPORARY MECHANICAL VENTILATION SHALL BE CONTINUED UNTIL SUCH A TIME THAT THE VOC EMISSIONS HAVE DISSIPATED.
 - ANY TEMPORARY VENTILATION SHALL BE EXHAUSTED TO THE EXTERIOR OF THE BUILDING.
 - WHEN TEMPORARY MECHANICAL VENTILATION IS USED A CONSTRUCTION FILTER SHALL BE INSTALLED WITH MERV RATING OF NOT LESS THAN 13 (2" THICK). THE CONSTRUCTION FILTER SHALL BE REPLACED PRIOR TO OCCUPANCY.
 - MATERIALS INSTALLATION SHALL BE SEQUENCED WHENEVER POSSIBLE TO ALLOW FOR THE INSTALLATION OF VOC EMITTING MATERIALS PRIOR TO THE INSTALLATION OF POROUS AND FIBROUS MATERIALS.
 - MATERIALS WHICH EMIT A SIGNIFICANT AMOUNT OF VOCS OR ODORS SHALL BE STORED IN A MANNER WHICH ALLOWS FOR OFF-GASSING, IN A DRY AND WELL VENTILATED AREA, PRIOR TO INSTALLATION.
 - CARPETED SURFACES SHALL BE VACUUMED PER THE CRJGREEN LABEL VACUUM CLEANER PROGRAM REQUIREMENTS AT COMPLETION OF CONSTRUCTION AND PRIOR TO OCCUPANCY.

LOW EMITTING MATERIALS + MOISTURE MANAGEMENT

SEALANTS AND CAULKS
ALL ADHESIVES, SEALANTS AND CAULKS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.1. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO CARPET, RESILIENT AND WOOD FLOORING ADHESIVES, BASE COVE ADHESIVES, CERAMIC TILE ADHESIVES, DRYWALL AND PANEL ADHESIVES, AEROSOL ADHESIVES, ADHESIVE PRIMERS, ACOUSTICAL SEALANTS, FIRE STOP SEALANTS, HVAC DUCT SEALANTS, SEALANT PRIMERS, AND CAULKS.

PAINTS & COATINGS
ALL PAINTS AND ARCHITECTURAL COATINGS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.3. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO SEALERS, STAINS, CLEAR WOOD FINISHES, FLOOR SEALERS AND COATINGS, WATERPROOFING SEALERS, PRIMERS, FLAT PAINTS AND COATINGS, NON-FLAT PAINTS AND COATINGS, AND RUST PREVENTATIVE COATINGS.

RESILIENT FLOORING SYSTEMS
ALL FLOORING SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.6.

COMPOSITE WOOD
ALL OF THE COMPOSITE WOOD PRODUCTS INSTALLED IN THE PROJECT SHALL MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.5. COMPOSITE WOOD PRODUCTS IN THIS CATEGORY ARE DEFINED IN THE CALIFORNIA AIR RESOURCES BOARD (CARE) AIRBORNE TOXIC CONTROL MEASURE (ATCM) TO REDUCE FORMALDEHYDE EMISSIONS FROM COMPOSITE WOOD PRODUCTS (SECTIONS 83120-83120.12, TITLE 17, CALIFORNIA CODE OF REGULATIONS). THE AFFECTED PRODUCTS INCLUDE HARDWOOD PLYWOOD, PLYWOOD WITH DECORATIVE SOFTWOOD VENEER, LAMINATED PRODUCTS WITH A COMPOSITE WOOD CORE OR PLATFORM, PARTICLEBOARD, MEDIUM DENSITY FIBERBOARD (MDF), AND FINISHED GOODS FABRICATED FROM THESE PRODUCTS.

CEILING & WALL SYSTEMS
ALL CEILING AND WALL SYSTEMS INSTALLED IN THE PROJECT'S INTERIOR TOTALING 90% OR MORE OF THE TOTAL AREAS OF SUCH PRODUCTS SHALL MEET THESE REQUIREMENTS. CEILING AND WALL SYSTEMS INCLUDE BUT ARE NOT LIMITED TO CEILING INSULATION INSTALLED WITHIN THE STRUCTURAL ENVELOPE, WALL INSULATION, ACOUSTICAL CEILING PANELS, GYPSUM BOARD WALL PANELS, TACKABLE WALL PANELS, AND WALL COVERINGS. CERAMIC TILE AND OTHER ORGANIC-FREE METAL OR MINERAL-BASED WALL COVERINGS ARE AVAILABLE FOR CREDIT WITHOUT ANY TESTING REQUIREMENTS. SITE APPLIED ADHESIVES AND SEALANTS AND SITE APPLIED PAINTS AND COATINGS ASSOCIATED WITH CEILING AND WALL SYSTEMS ARE TREATED UNDER OPTIONS 1 AND 2, RESPECTIVELY. CEILING AND WALL SYSTEMS SHALL BE TESTED AND EVALUATED FOR EMISSIONS OF VOCS OF CONCERN WITH RESPECT TO CHRONIC INHALATION EXPOSURE FOLLOWING THE SPECIFICATIONS OF THE CDPH STANDARD METHOD V1.1. THE SEPARATE COMPONENTS OR DISTINCT LAYERS OF THESE SYSTEMS SHALL BE MODELED TO THE STANDARD PRACTICE SCHOOL CLASSROOM USING THE CLASSROOM CEILING AREA AND/OR WALL AREA AS APPROPRIATE. FOR SYSTEMS CONSISTING OF MORE THAN ONE DISTINCT LAYER (E.G. WALLS COMPRISED OF INSULATION, WALL PANEL AND WALL COVERING), ALL LAYERS SHALL INDIVIDUALLY MEET THE REQUIREMENTS OF THE STANDARD PRACTICE.

CARPET SYSTEMS
ALL CARPET SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.4. ALL CARPET SHALL BE PER THE CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM OR SHALL BE LISTED IN THE CDPH HIGH PERFORMANCE PRODUCT DATABASE. ALL CARPET PAD SHALL BE PER THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM.

PRIMARY EXTERIOR DOORS
ALL WALL AND FLOOR SURFACES WITHIN 24" OF A PRIMARY EXTERIOR DOOR SHALL BE NON-ABSORBANT. SEE DETAIL A'-1 FOR TYPICAL FLOOR AND WALL FINISH DIAGRAM.
ALL PRIMARY EXTERIOR DOORS SHALL BE PROTECTED BY AN OVERHANG, AWNING OR SIMILAR ELEMENT NOT LESS THAN 48" IN DEPTH.

OUTDOOR AIR QUALITY

HVAC, REFRIGERATION AND FIRE SUPPRESSION SYSTEMS SHALL NOT CONTAIN CFCs OR HALONS.

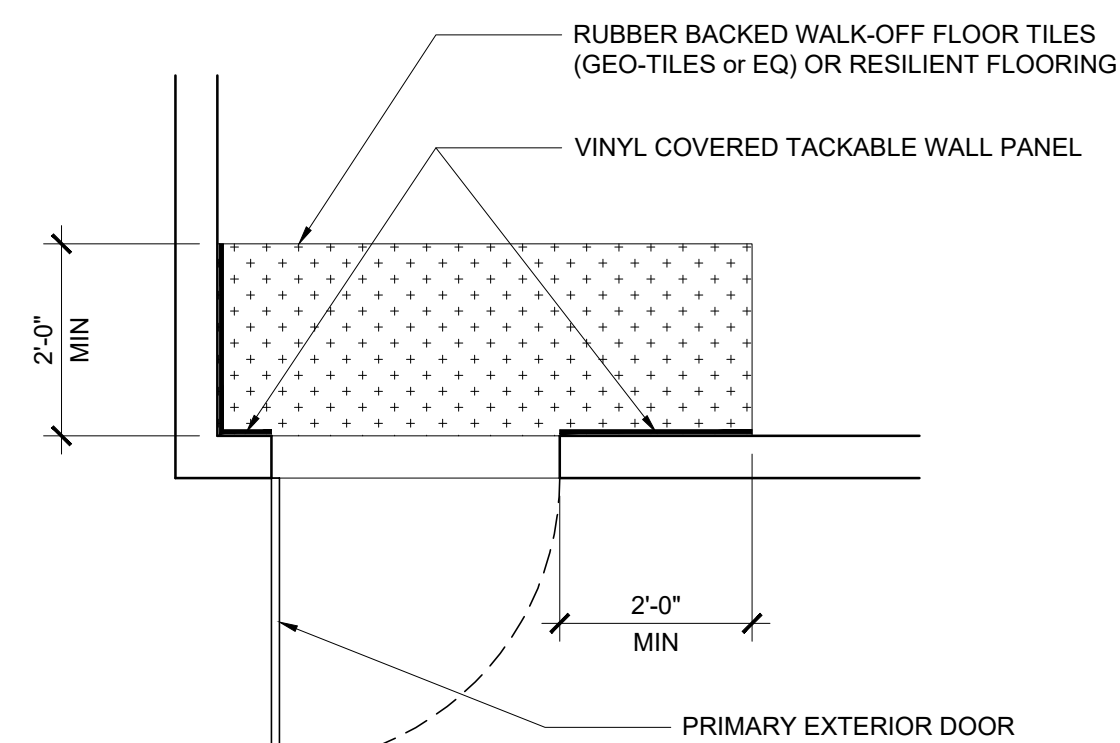
ACOUSTICAL CONTROL

INTERIOR WALLS BETWEEN CLASSROOMS AND ADJACENT SPACES (WHERE OCCURS) SHALL BE FULL HEIGHT TO THE UNDERSIDE OF THE STRUCTURE ABOVE AND SHALL HAVE A STC RATINGS OF NOT LESS THAN 40. ONE OF THE FOLLOWING ASSEMBLY SHALL BE USED:

- 2x4 (MIN) STUDS @ 24" O.C. WITH 1 LAYER OF 1/2" GYP BD, EA. SIDE OF WALL & 3 1/2" BATT INSULATION. ADDITIONAL LAYERS OF FINISH MATERIAL MAY BE INSTALLED OVER THE GYP BD. GYP BD SHALL BE FASTENED TO THE STUDS W/ 1-1/4" TYPE W SCREWS @ 12" OC. JOINTS SHALL BE STAGGERED (DESIGN #NGC 2012065)(STC-42)
- 2x4 (MIN) STUDS @ 16" O.C. WITH 2 LAYER OF 5/8" TYPE "X" GYP BD, EA. SIDE OF WALL & 3 1/2" BATT INSULATION. ADDITIONAL LAYERS OF FINISH MATERIAL MAY BE INSTALLED OVER THE GYP BD. BASE LAYER OF GYP BD SHALL BE FASTENED TO THE STUDS W/ 7/8" 6d COATED NAILS AT 8" OC. FACE LAYER OF GYP BD SHALL BE FASTENED TO THE STUDS W/ 2-3/8" 8d COATED NAILS AT 8" OC. VERTICAL JOINTS SHALL OCCUR OVER A STUD. STAGGER JOINTS EACH LAYER AND EACH SIDE (DESIGN #NGC 2364) (STC-41)

WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDING CONSTRUCTED PER THIS PC SHALL MEET THE REQUIREMENTS OF THE 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.507.4. THE ARCHITECT OF RECORD FOR THE PROJECT SITE THE PC BUILDING IS TO BE INSTALLED UPON SHALL IDENTIFY ANY ADDITIONAL NOISE TRANSMISSION MEASURES WHICH ARE REQUIRED BASED UPON THE NOISE LEVEL PRESENT AT THE PROJECT SITE. IF NECESSARY EXTERIOR WALL, ROOF AND WINDOW ASSEMBLIES MEETING THE STC AND OR OTC RATINGS SPECIFIED IN SECTIONS 5.507.4.1 + 5.507.4.1.1 SHALL BE UTILIZED.

WHEN THE PC BUILDING IS PLACED ADJACENT TO ANOTHER BUILDING, A SEPARATION (AIR GAP) OF NOT LESS THAN 6" SHALL BE PROVIDED.



(A) PRIMARY EXTERIOR WALL FINISH DIAGRAM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122154 INC:
REVIEWED FOR
SS FLS ACS
DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
**SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS**

SHEET TITLE:
**PV SYSTEM
REQUIREMENTS, ENERGY
MANDATORY MEASURES &
CALGREEN SPEC'S**

REVISIONS

1	
2	
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4	

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-121999 INC:
REVIEWED FOR
SS FLS ACS
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

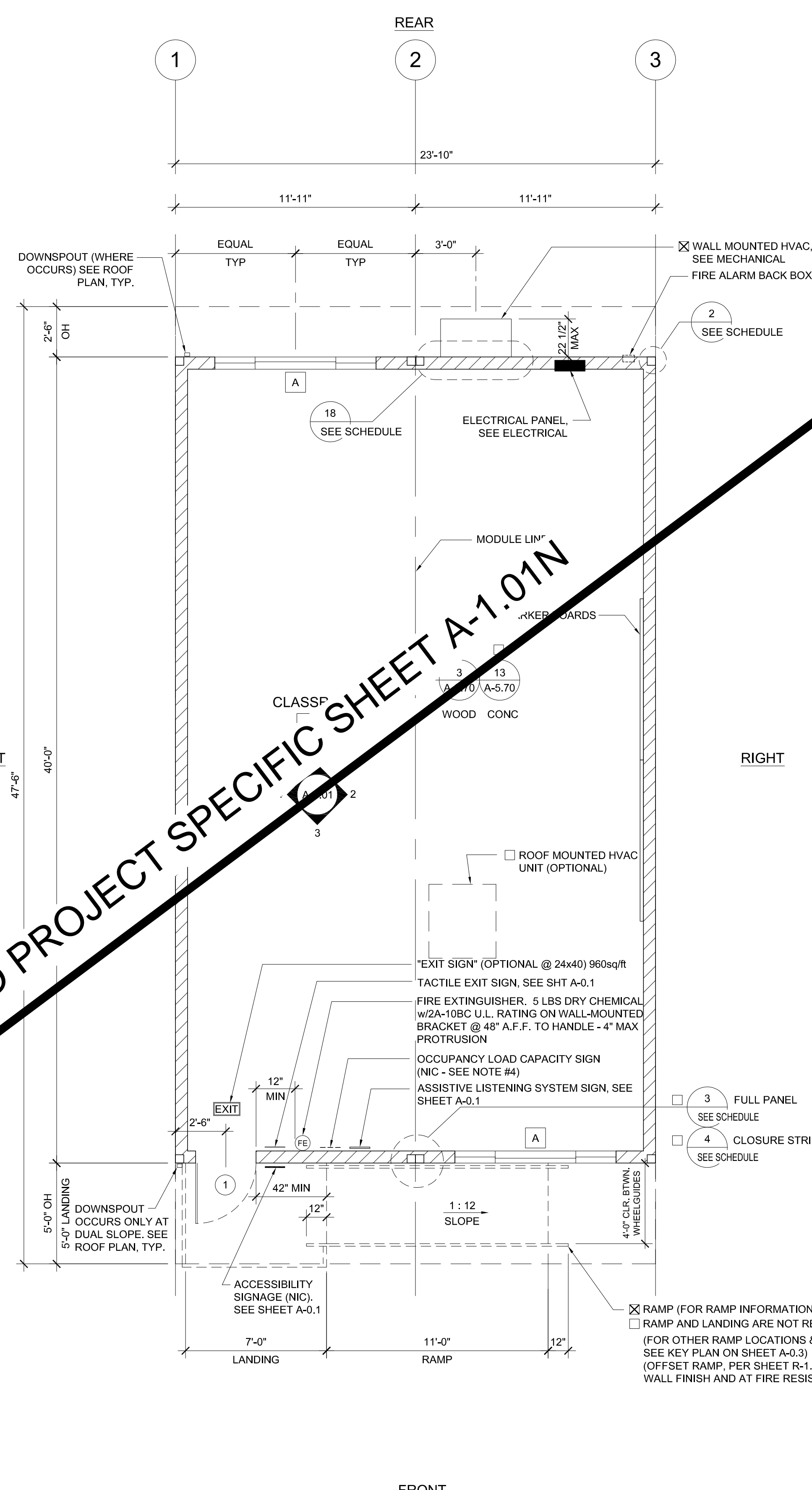
MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

P.C. SHEET NUMBER

A-0.7



NOTES

- PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. PER IR 16-1 (4.1)
(1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE FINISH LINE AT INTERIOR FRAME. LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, REQUIRED PV SYSTEM CAPACITY (kW), WIND SPEED, EXPOSURE CATEGORY, AND Kz1 = 1.0 2022 CBC, DESIGN CLIMATE ZONE, SEISMIC PARAMETER = S_s
- VINYL TACKBOARD INTERIOR FINISH SHALL COMPLY WITH CBC SECTION 803.7
- LOCATIONS OF DOORS AND WINDOWS MAY VARY PER JOB. (IF THE NUMBER OF WINDOWS INCREASE, A NEW TITLE 24 SHALL BE SUBMITTED TO DSA)
- POSTERS OF OCCUPANCY LOAD SIGNS SHALL COMPLY WITH CALIFORNIA CODE OF REGULATIONS (CCR) TITLES 19 ART. 3.30 (NOT IN MODULAR MANUFACTURER'S SCOPE OF WORK)
- IF BUILDING IS TO BE RELOCATED, SEE RELOCATION SHEETS
- FOR BUILDINGS THAT ARE MANUFACTURED IN-PLANT, THE IN-PLANT INSPECTOR IS TO ATTACH A VERIFIED REPORT INSIDE EACH BUILDING, WHICH SHALL INDICATE THE MANUFACTURER'S NAME AND THE SERIAL NUMBER FOR EACH BUILDING MODULE AS WELL AS THE DSA FILE AND APPLICATION NUMBERS, PER IR 16-1.13 (2.1)
- ALL FIXTURE HEIGHTS TO BE VERIFIED PRIOR TO CONSTRUCTION
- INTERIOR WALLS MAY BE ADDED TO FLOOR PLAN. SEE STRUCTURAL
- FOR CASEWORK, TEACHER WALL, OR TV BLOCKING OPTIONS, SEE SHEET A-5.80
- INTERIOR WALLS BETWEEN CLASSROOMS AND ADJACENT SPACES (WHERE OCCURS) SHALL BE FULL HEIGHT TO THE UNDERSIDE OF THE STRUCTURE ABOVE AND SHALL HAVE A STC RATING OF NOT LESS THAN 40. SEE SHEET A-0.7 FOR WALL ASSEMBLY
- TOILET ROOM FLOORING AND BASE SHALL BE INSTALLED PER 10/A-5.70 IN LIEU OF PROVIDING A CURB (IR 23-2)
- DOORS SHALL PROVIDED WITH MINIMUM 4' CANOPY OR ROOF OVERHANG

DETAIL SCHEDULE

FINISH:	SHEET #:
<input type="checkbox"/> SIDING OVER WOOD STUDS	A-5.50
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
<input type="checkbox"/> SIDING OVER STEEL STUDS	A-5.60
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
<input type="checkbox"/> 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
<input type="checkbox"/> 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

WALL LEGEND

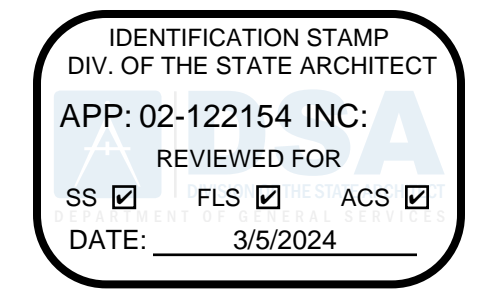
- NOMINAL 4" WALL STUD
- NOMINAL 6" WALL STUD
- NOMINAL 8" WALL STUD
- WINDOW PER SCHEDULE SHEET A-0.2
- DOOR PER SCHEDULE SHEET A-0.2

NOTES:
ALL EXTERIOR WALL FRAMING SHALL BE 2x6 (OR 6" NOMINAL STEEL STUD) (MIN). EXCEPTION: AT UNCONDITIONED RESTROOM MODULES.
2x4 (OR 4" NOMINAL STEEL STUD) WALL FRAMING NOT ALLOWED WITH PLASTER WALL FINISH AT UNCONDITIONED RESTROOM MODULES WITH WALLS OVER 9'-0" IN HEIGHT.
THIS PLAN MAY INCLUDE THE VARIOUS EXERCISABLE OPTIONS APPLICABLE TO THE PC SUCH AS PARTITION WALLS, PLUMBING, ETC. FOR REFERENCE PURPOSES, OPTIONS CAN BE APPLIED AS REQUIRED TO THE PC'S BUILDING SIZES.

SYMBOLS LEGEND

- 60" CIRCLE CLEAR SPACE
- 30"x48" CLEAR SPACE

MARKING & IDENTIFICATION OF FIRE RATED CONSTRUCTION. (CBC 703.5)
FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. SUCH IDENTIFICATION SHALL:
1. BE LOCATED IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES;
2. BE LOCATED WITHIN 15 FEET OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION; AND
3. INCLUDE LETTERING NOT LESS THAN 3" IN HEIGHT AND A MIN. 3/8" STROKE IN A CONTRASTING COLOR INCORPORATING THE SUGGESTED WORDING. "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS" OR OTHER SIMILAR WORDING.



PROJECT SPECIFIC STATE AGENCY APPROVAL

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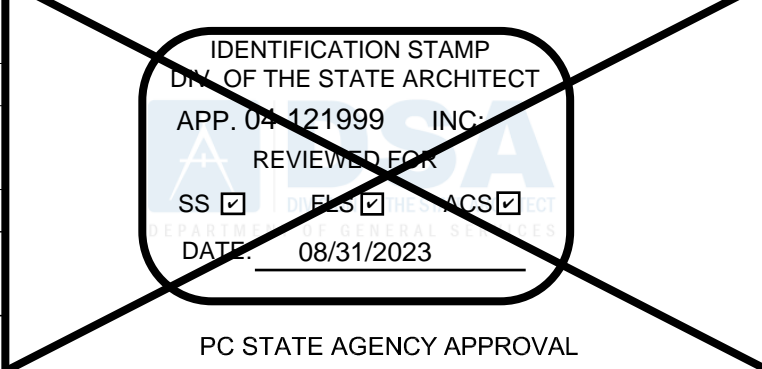
PROJECT NAME:
**SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS**

SHEET TITLE:
**FLOOR PLAN
24' x 40'**

REVISIONS

NO.	DESCRIPTION
1	
2	
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PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED



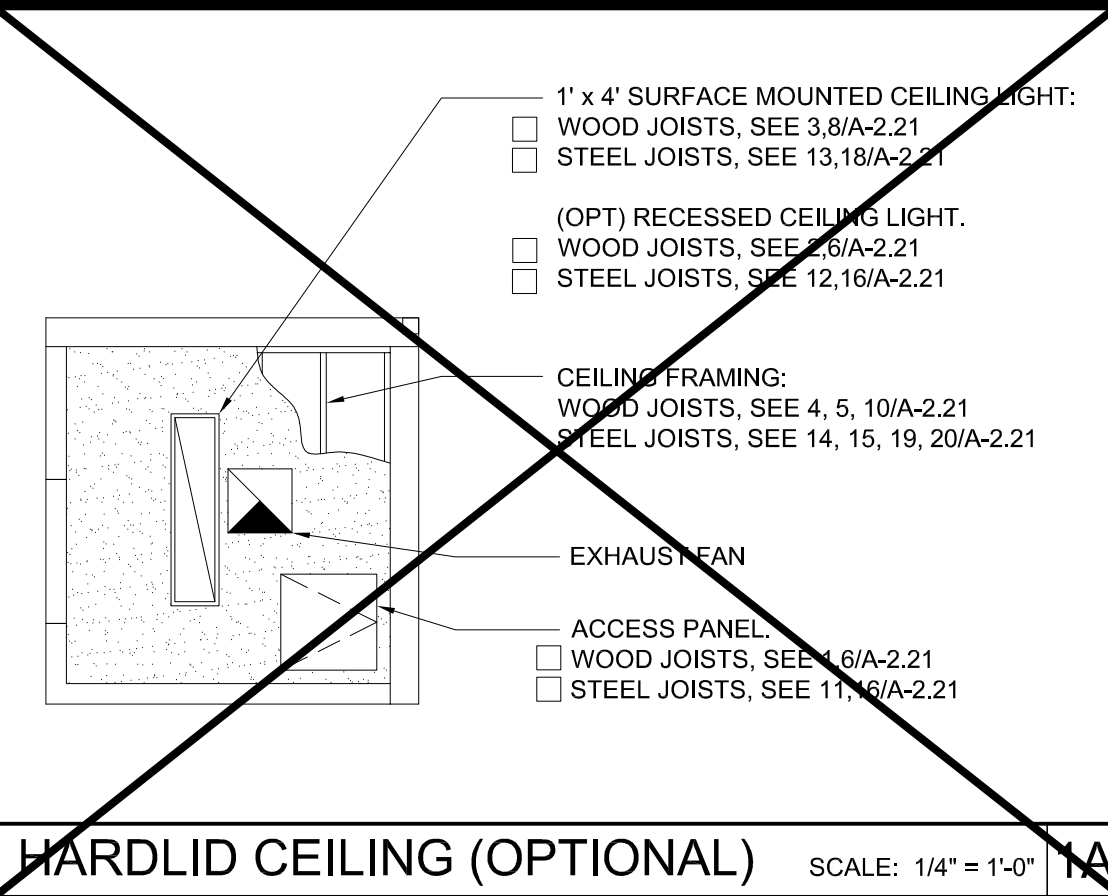
PC STATE AGENCY APPROVAL



MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023
P.C. SHEET NUMBER
A-1.01

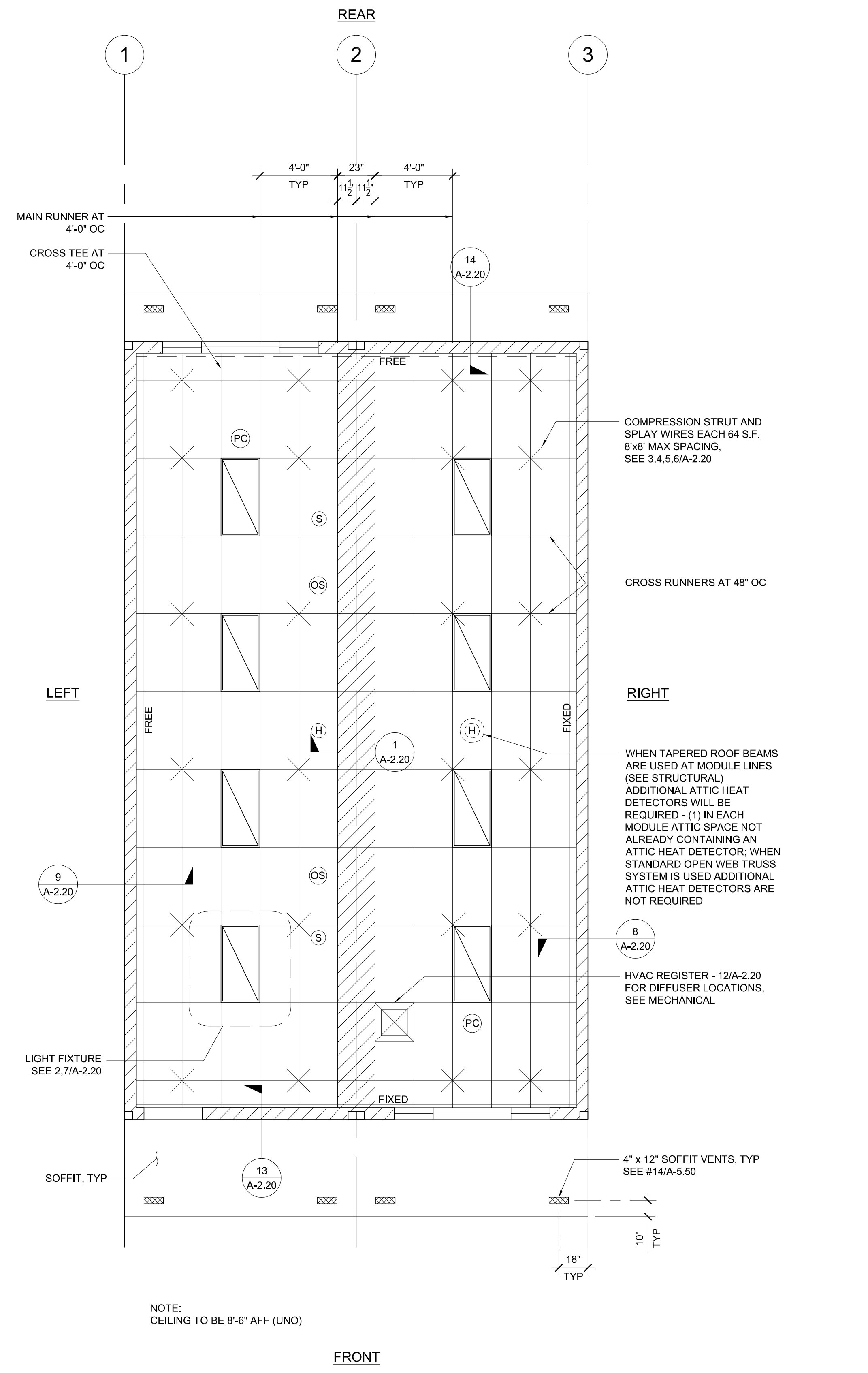


HARDLID CEILING (OPTIONAL) SCALE: 1/4" = 1'-0"

LEGEND

	T-BAR CEILING
	FIELD INSTALLED PANEL AT MODULE LINE
	2' x 4' RECESSED LIGHT FIXTURE, HATCHING DENOTES EMERGENCY LIGHT FIXTURE (SEE ELECTRICAL PLAN)
	"OPTIONAL" 1' x 4' RECESSED LIGHT FIXTURE
	SPLAY WIRE
	RETURN AIR REGISTER
	SUPPLY AIR REGISTER
	CEILING EXHAUST FAN
	CEILING MOUNTED OCCUPANCY SENSOR
	CEILING MOUNTED PHOTOCELL
	CEILING MOUNTED SMOKE DETECTOR
	ATTIC MOUNTED HEAT DETECTOR

NOTE:
FOR ALL REFLECTED CEILING NOTES SEE SHEET A-0.1



REFLECTED CEILING PLAN SCALE: 1/4" = 1'-0" 1

T-BAR SCHEDULE

ARMSTRONG PART NUMBERS ICC-ES ESR-1308
MAIN RUNNER: 7301
4" CROSS TEE: XL7341
2" CROSS TEE: XL7328
STANDARD 7/8" WALL ANGLE WITH BERG-2 CLIP (ICC #ESR-1308) 2"
WALL ANGLE: 7810 (OPTIONAL)

IDENTIFICATION STAMP
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SS FLS ACS
DATE: 3/5/2024

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PROJECT NAME:
**SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS**

SHEET TITLE:
**REFLECTED CEILING
PLAN
24' x 40'**

REVISIONS

1	
2	
3	
4	
5	

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PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

P.C. SHEET NUMBER
A-2.01

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PROJECT NAME:
**SYLVAN USD
 CROSSROADS E.S.
 (2) 24' x 40'
 CLASSROOM BUILDINGS**

SHEET TITLE:
**CEILING DETAILS
 T-GRID**

REVISIONS

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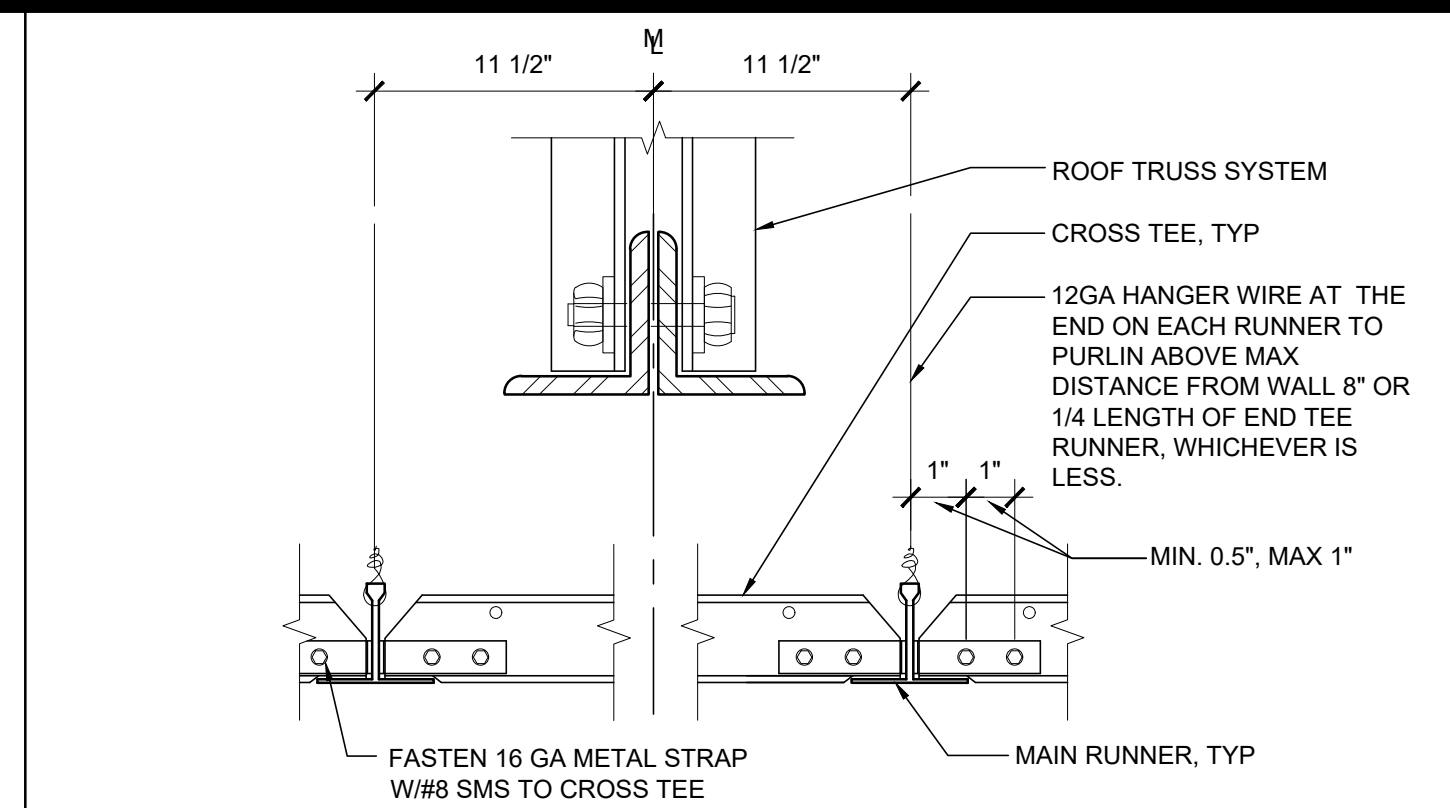
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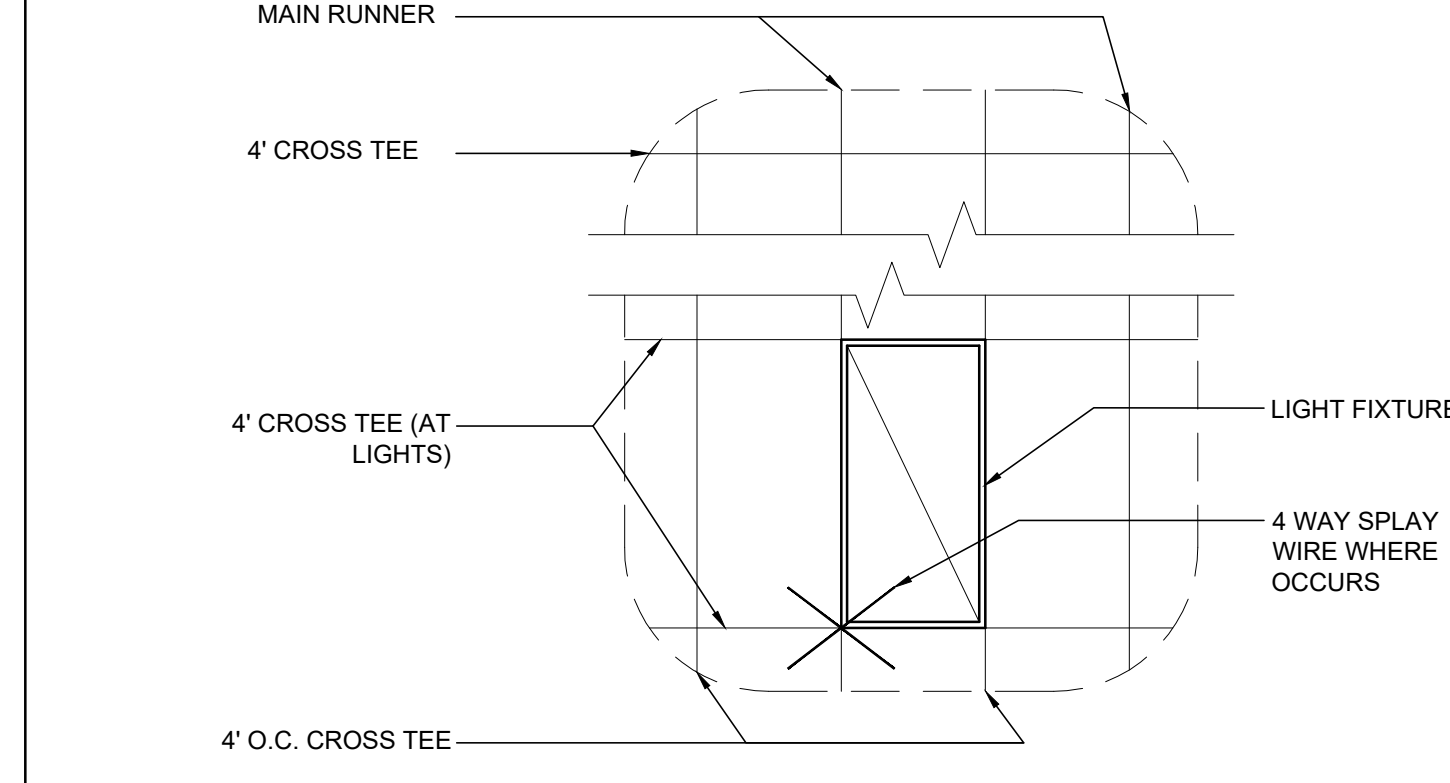


SILVER CREEK INDUSTRIES
 24' x 40' PC
 PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 02-27-2023
 P.C. SHEET NUMBER

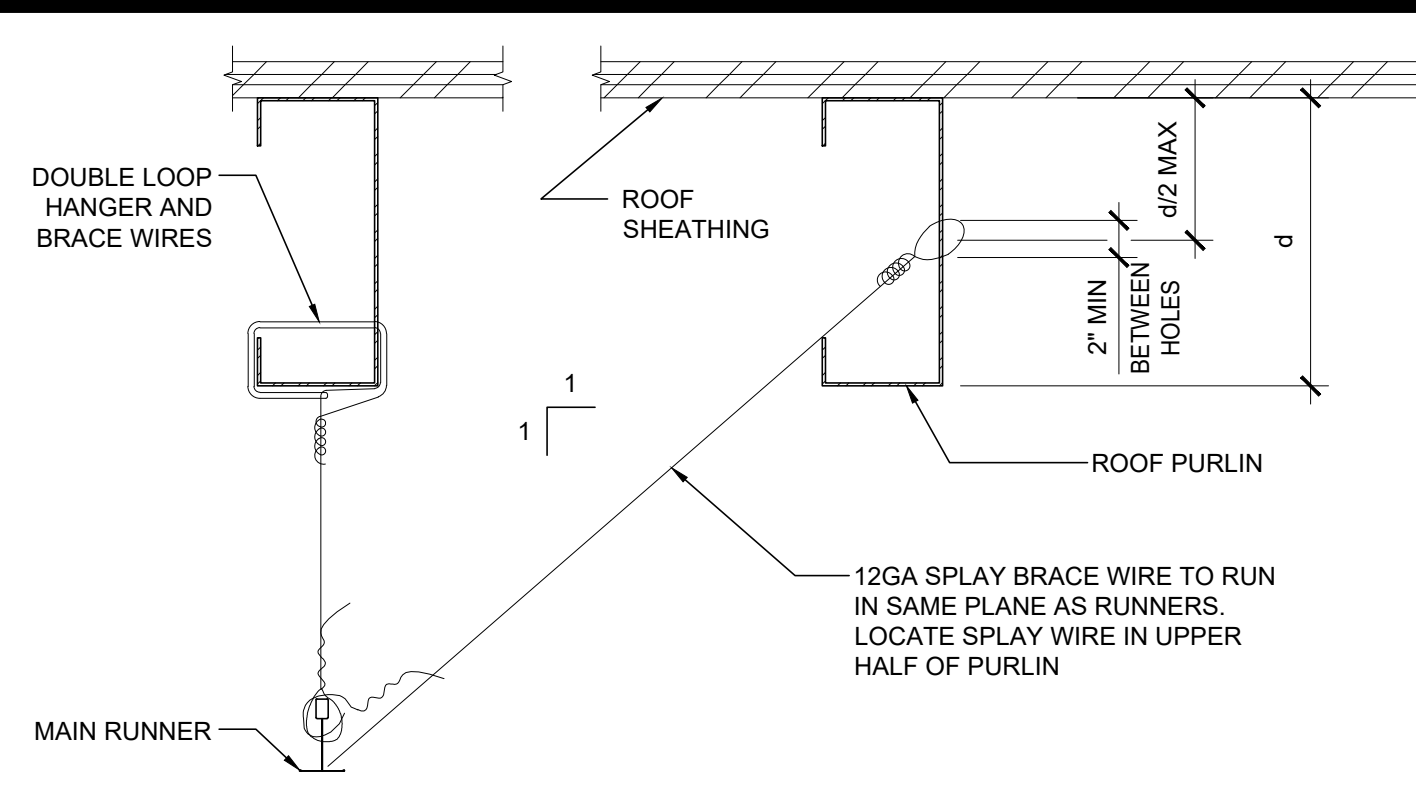
A-2.20



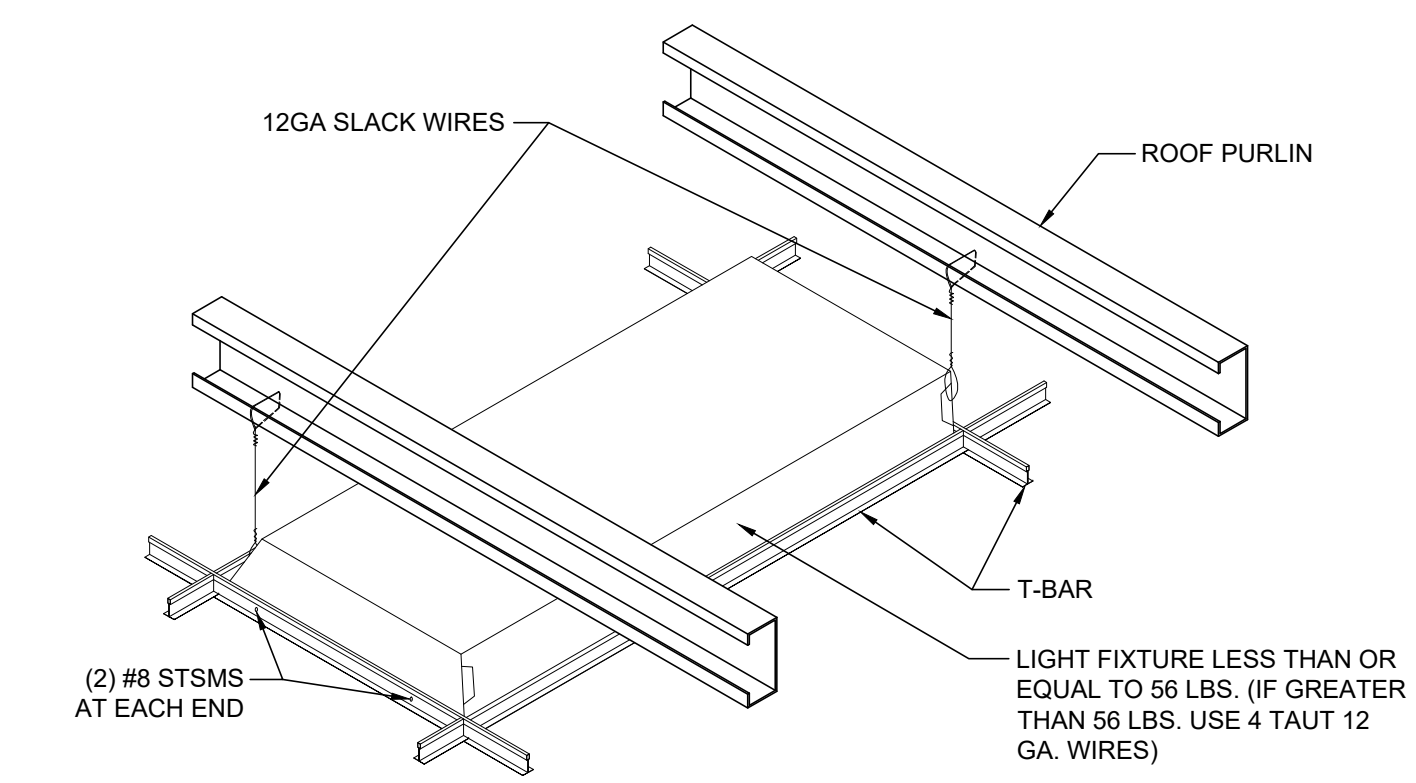
GRID AT MODLINE SCALE: 3"=1'-0" 1



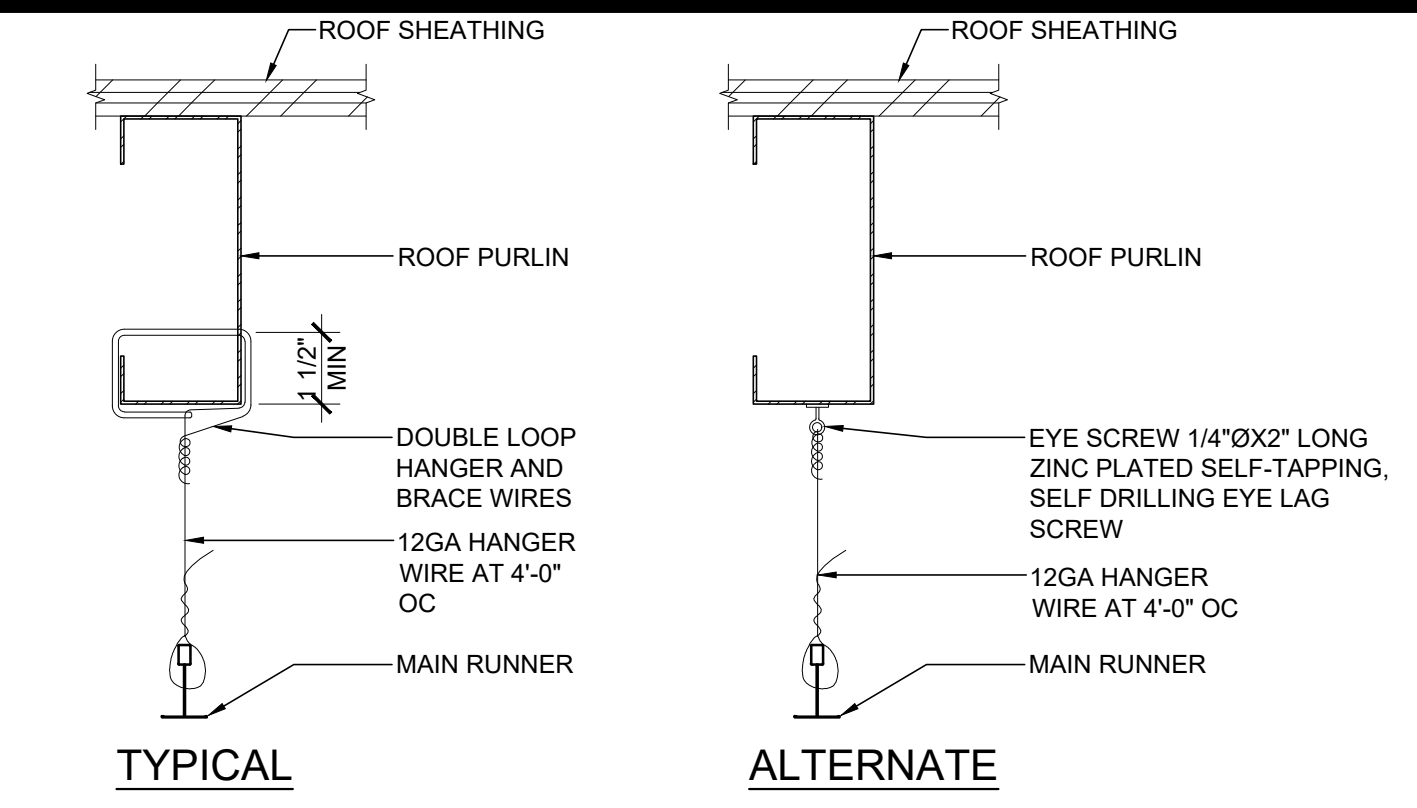
4' CROSS TEE AT LIGHTS SCALE: 3/8"=1'-0" 2



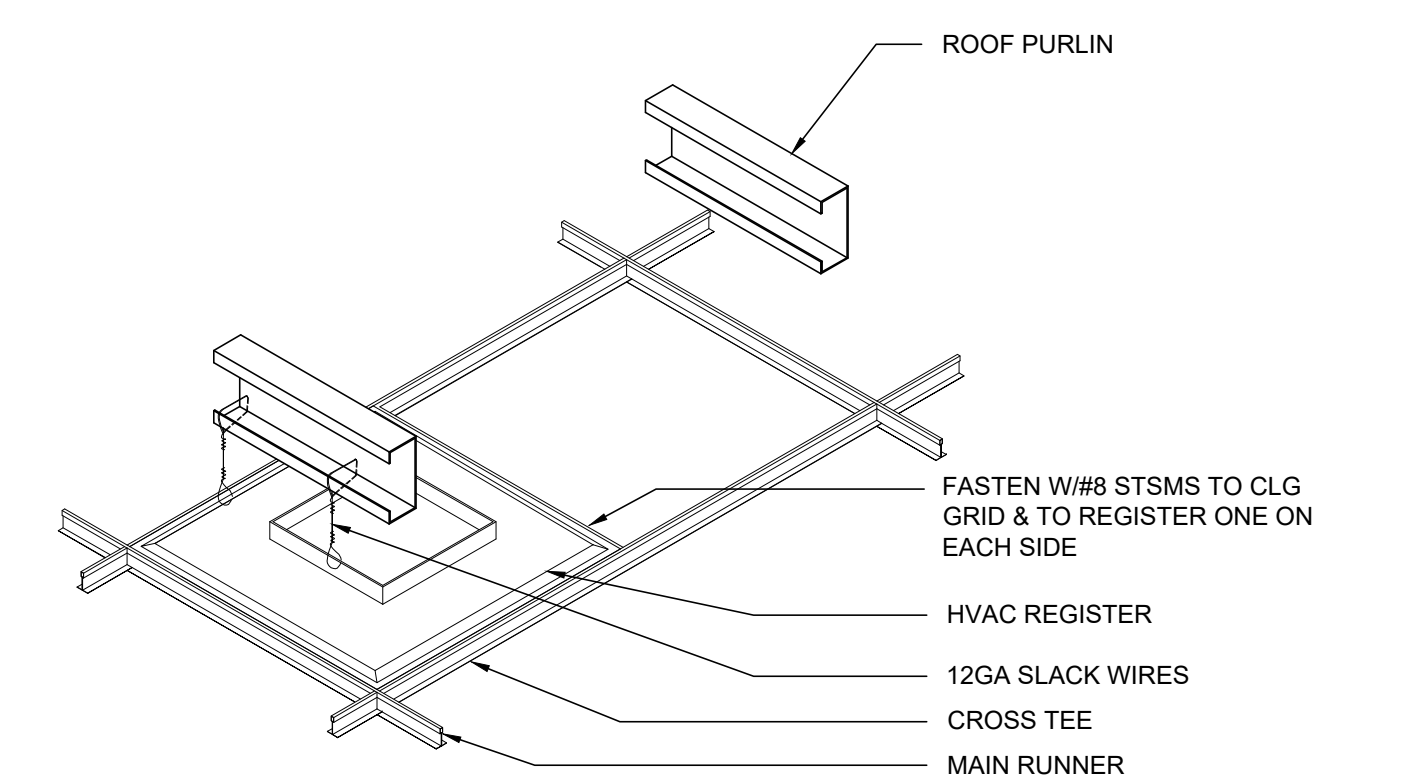
SPLAY BRACING WIRE SCALE: 3"=1'-0" 6



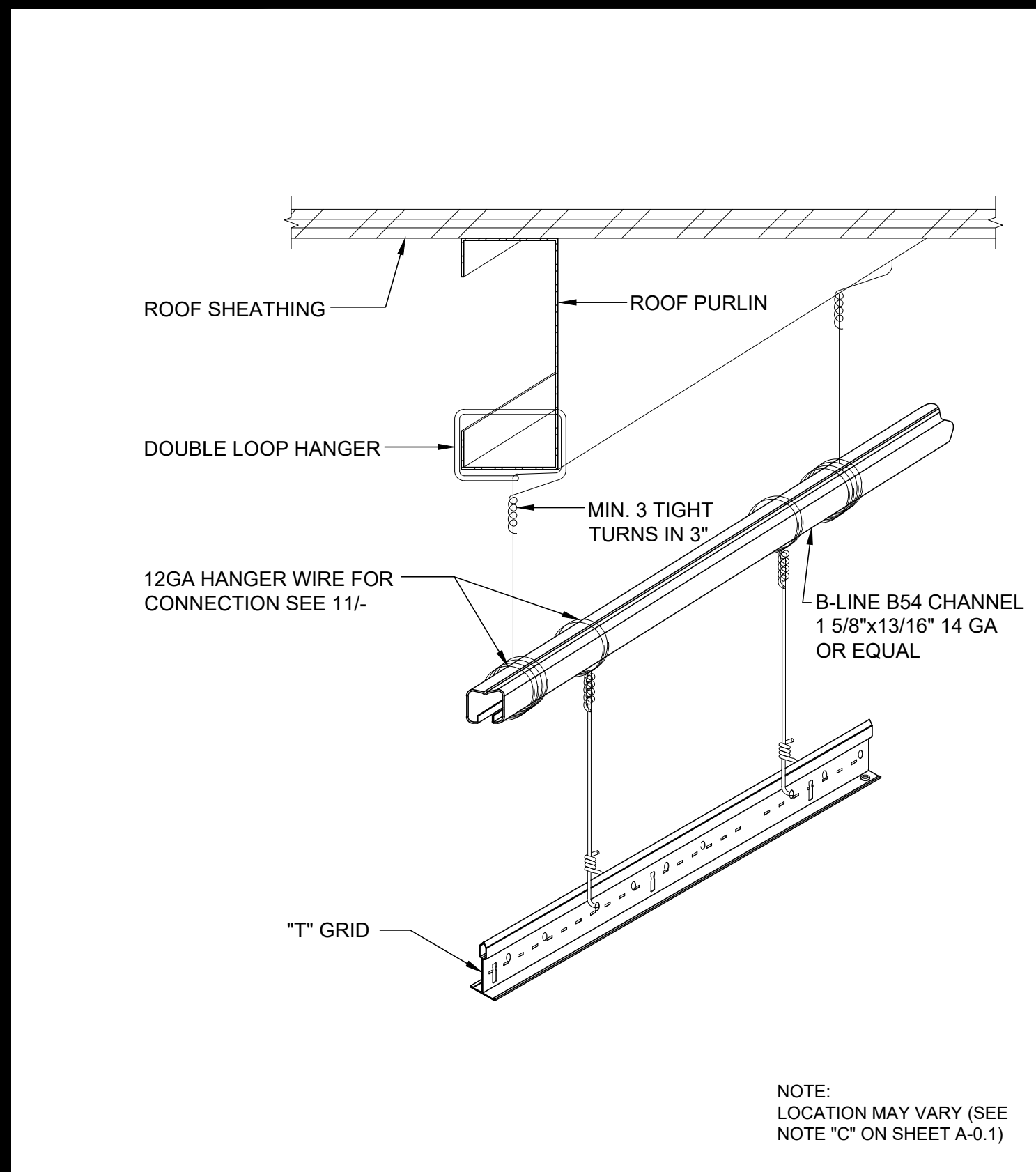
LIGHT FIXTURE MOUNTING SCALE: NTS 7



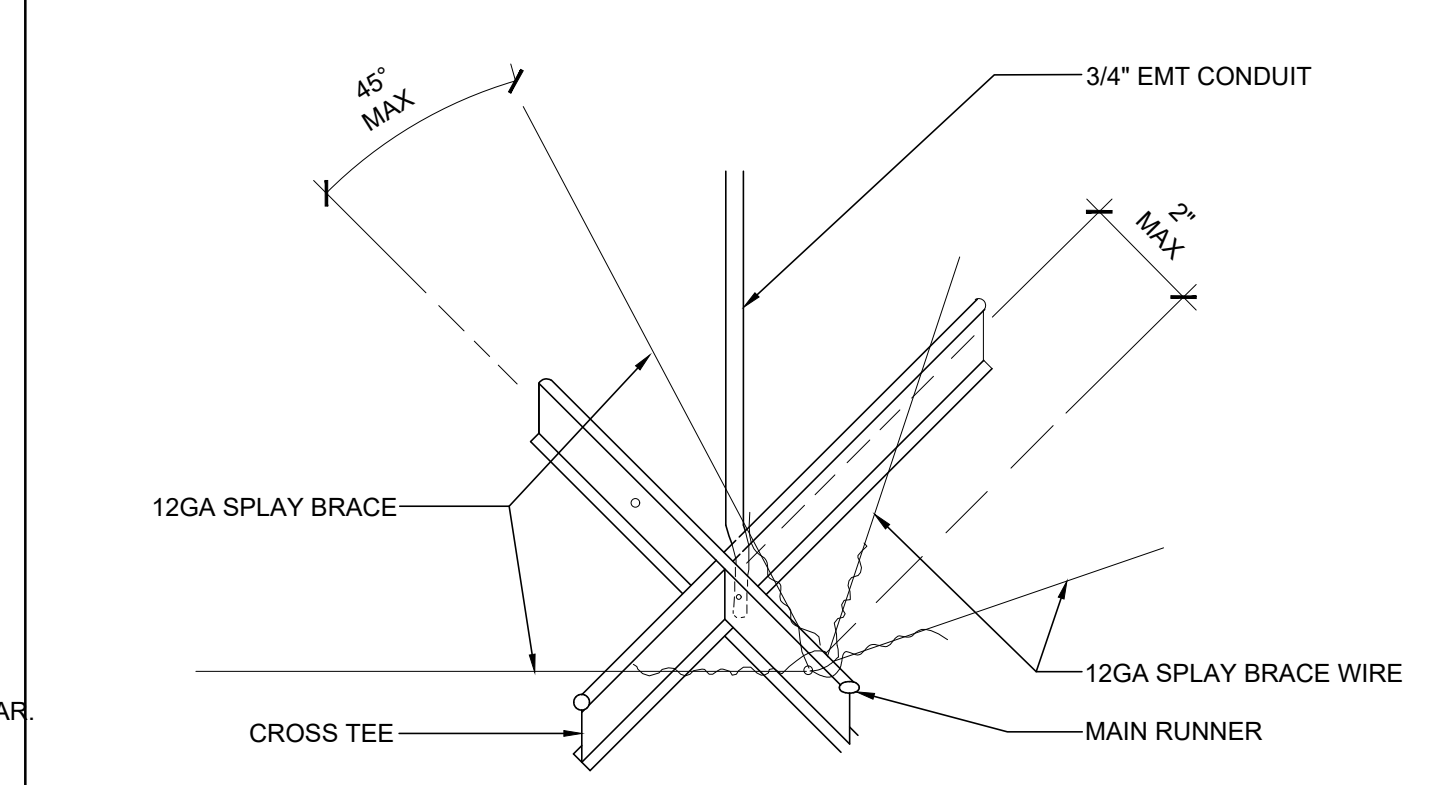
HANGER WIRE DETAIL SCALE: 3"=1'-0" 11



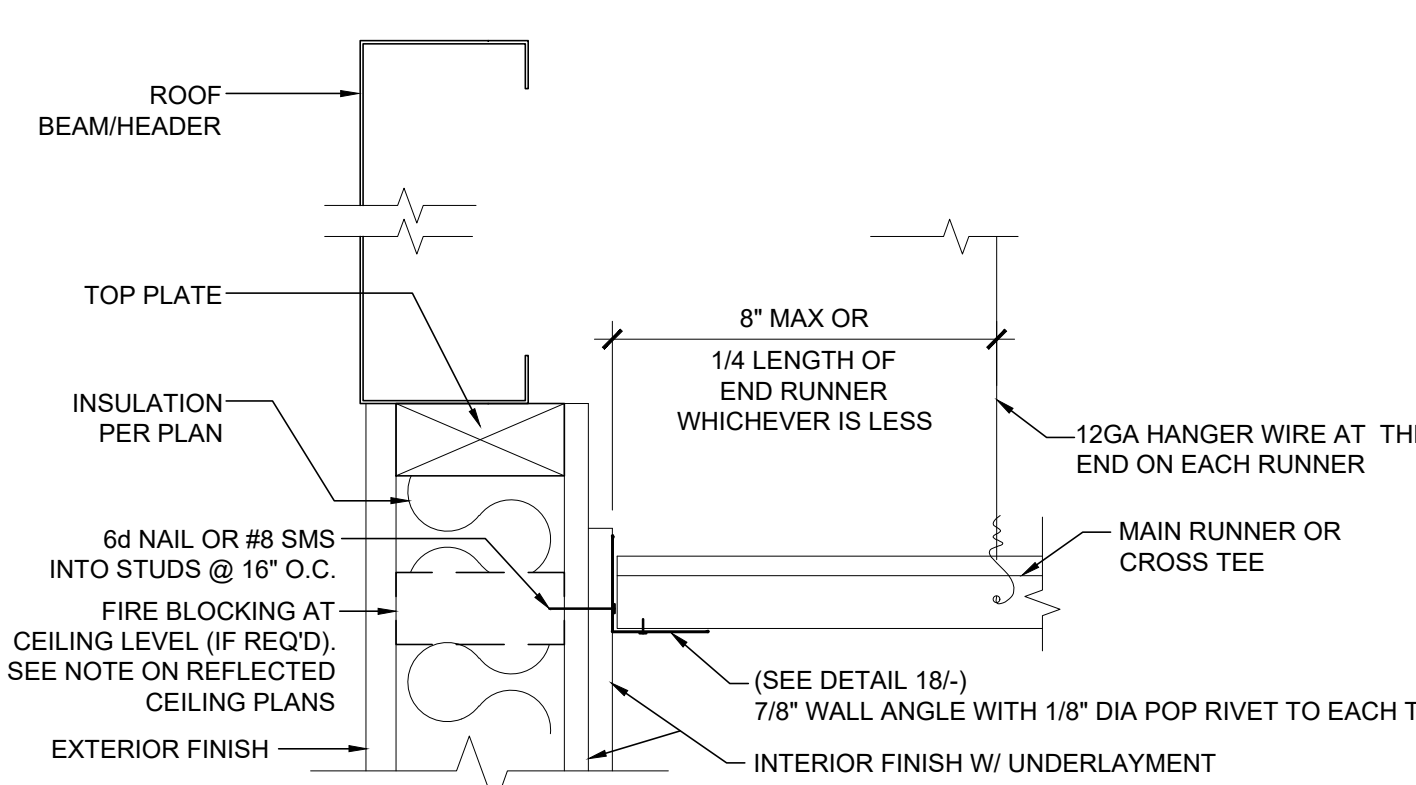
HVAC REGISTER MOUNTING SCALE: NTS 12



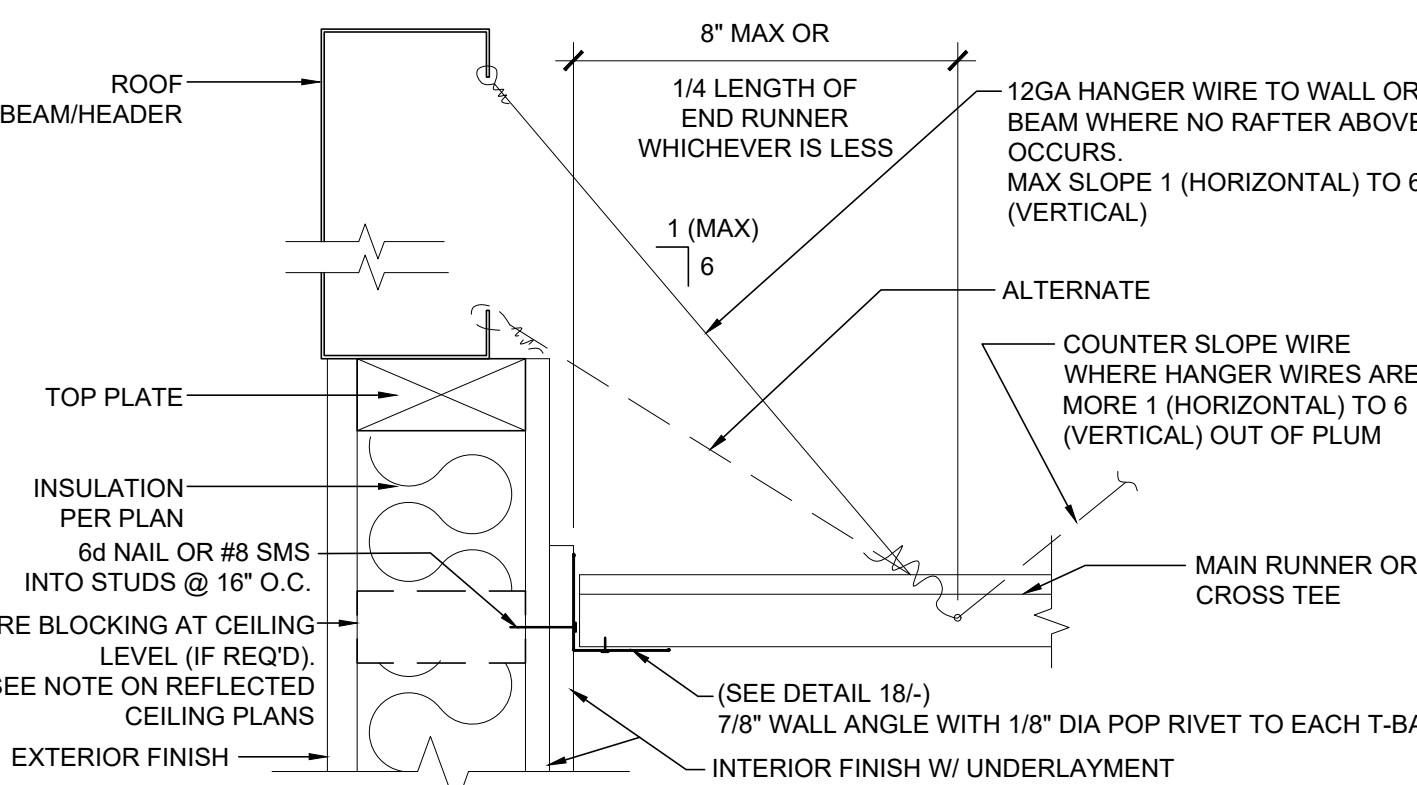
TRAPEZE DETAIL SCALE: NTS 17



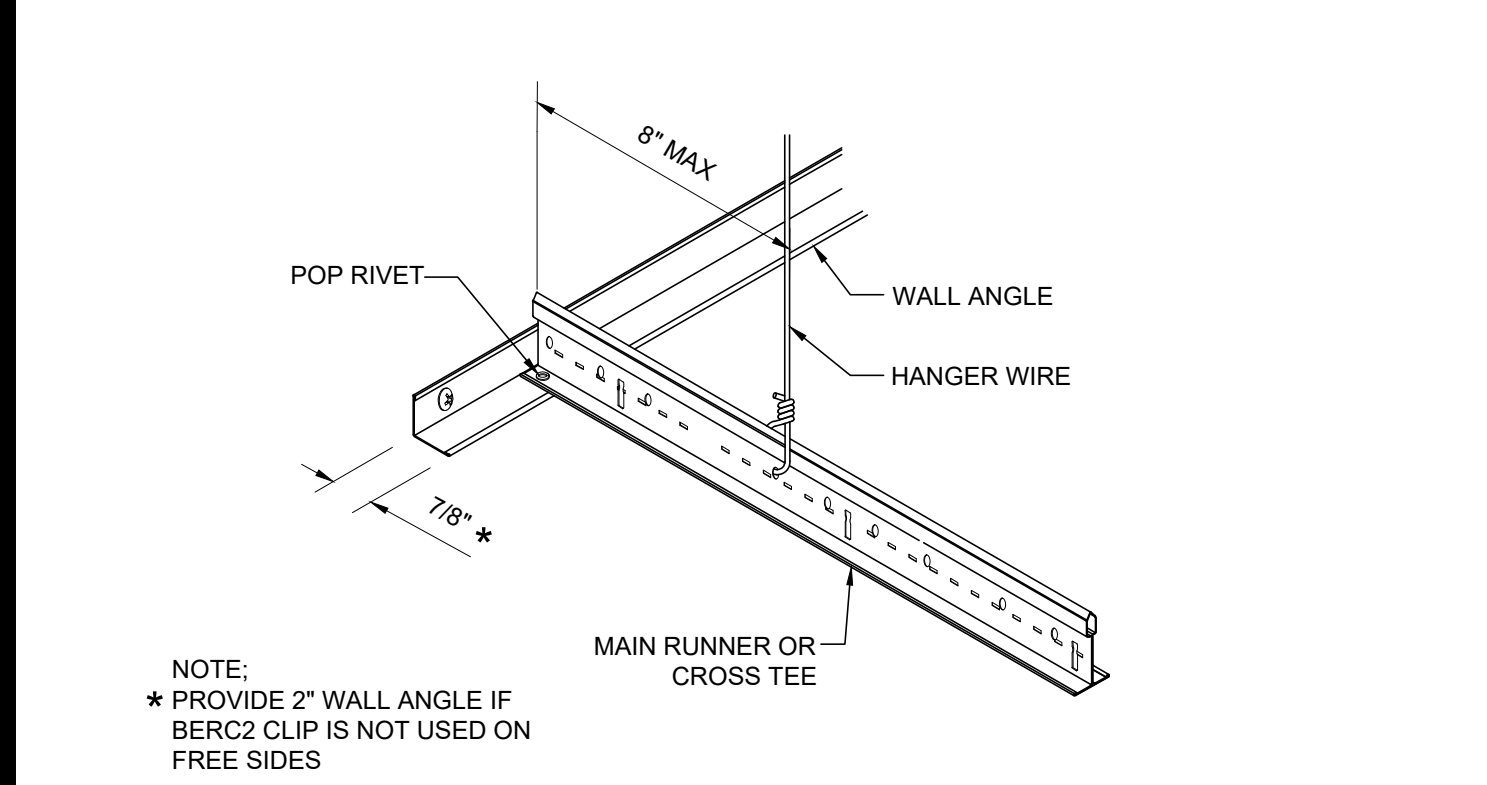
4' CROSS TEE AT LIGHTS SCALE: 3/8"=1'-0" 2



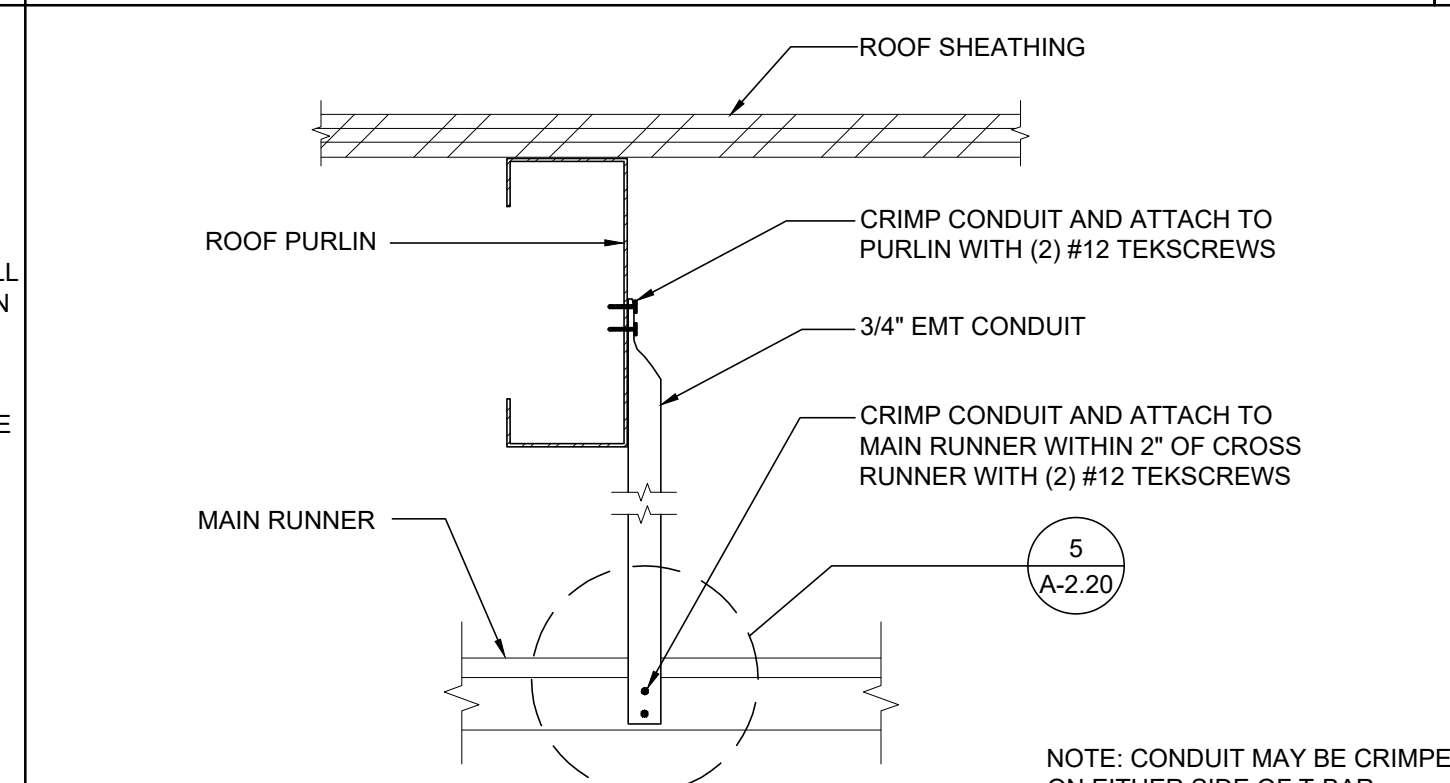
LIGHT FIXTURE MOUNTING SCALE: NTS 7



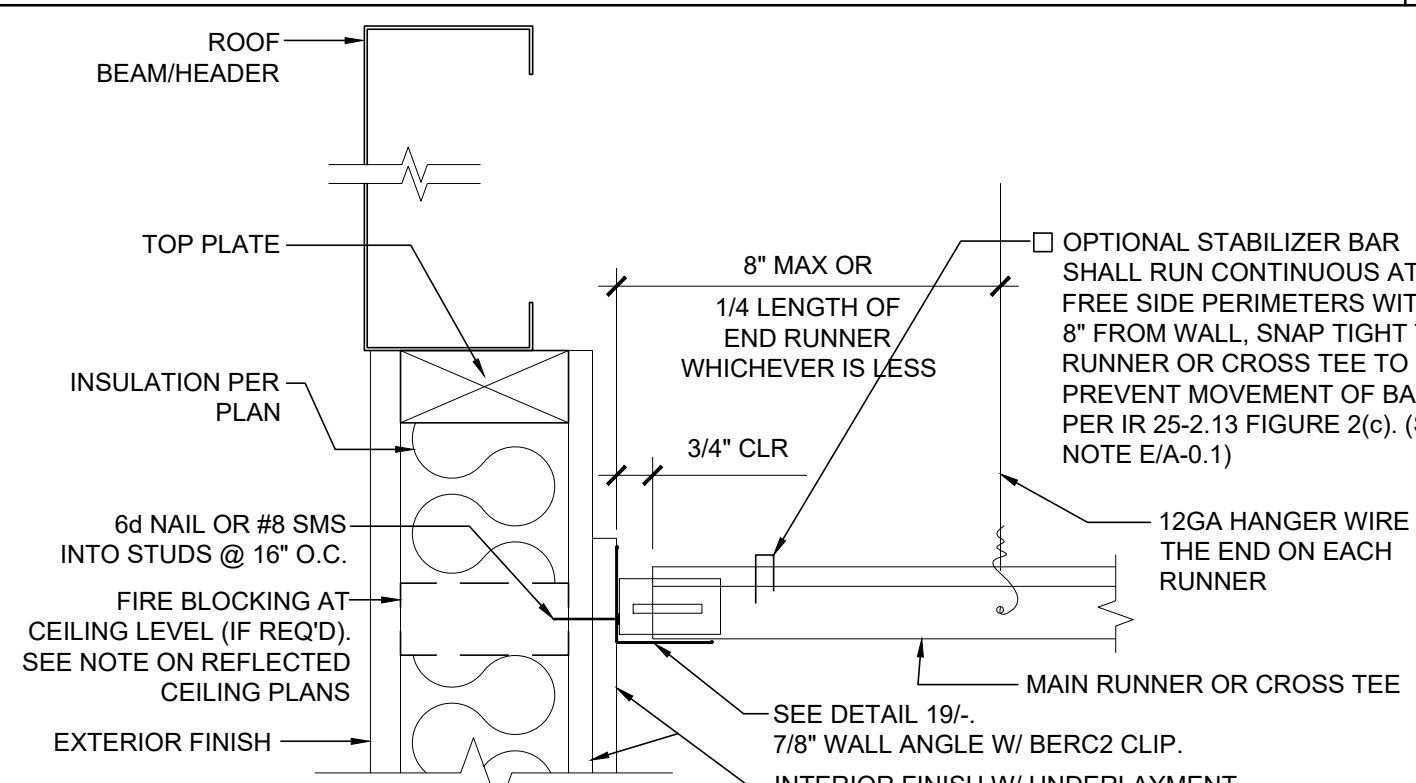
HANGER WIRE - FIXED SIDE (ENDWALL) SCALE: 3"=1'-0" 13



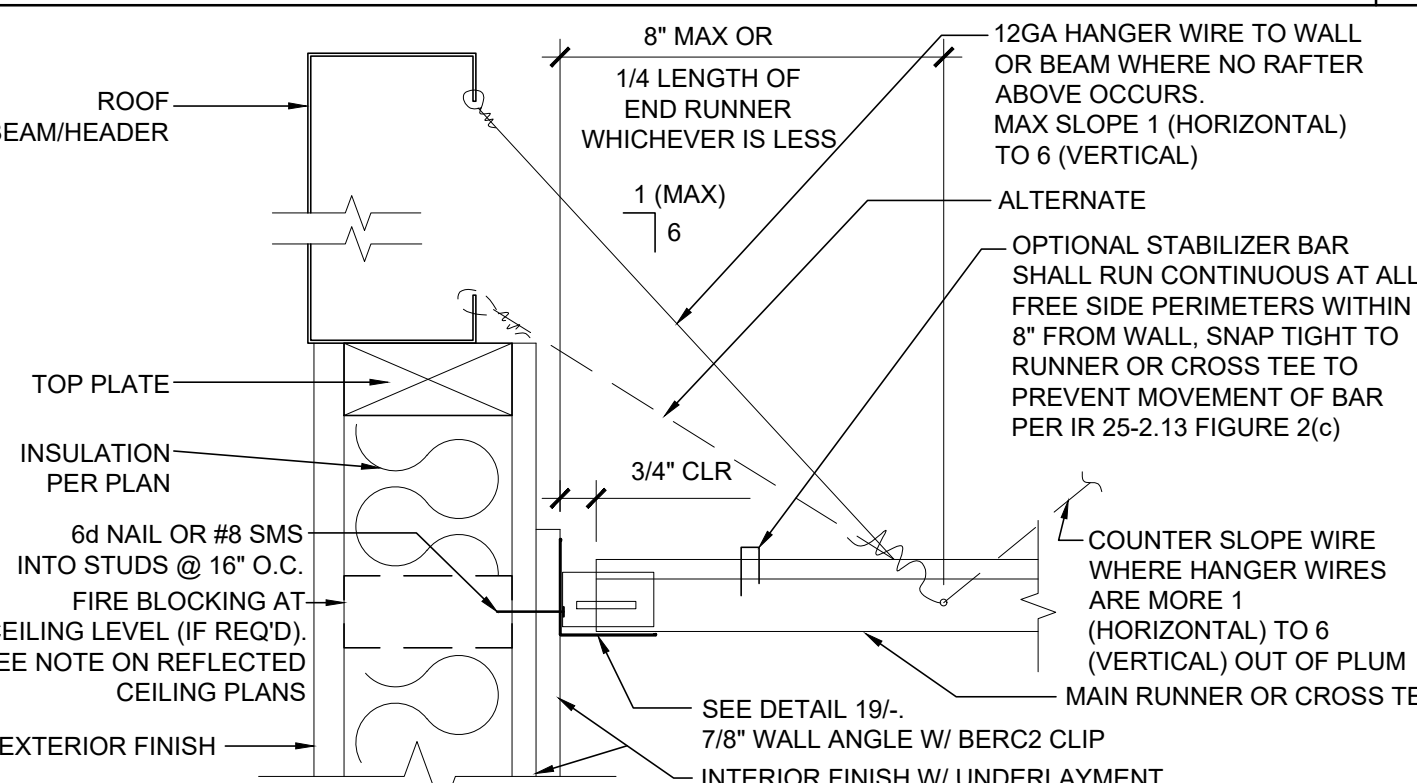
TRAPEZE DETAIL SCALE: NTS 17



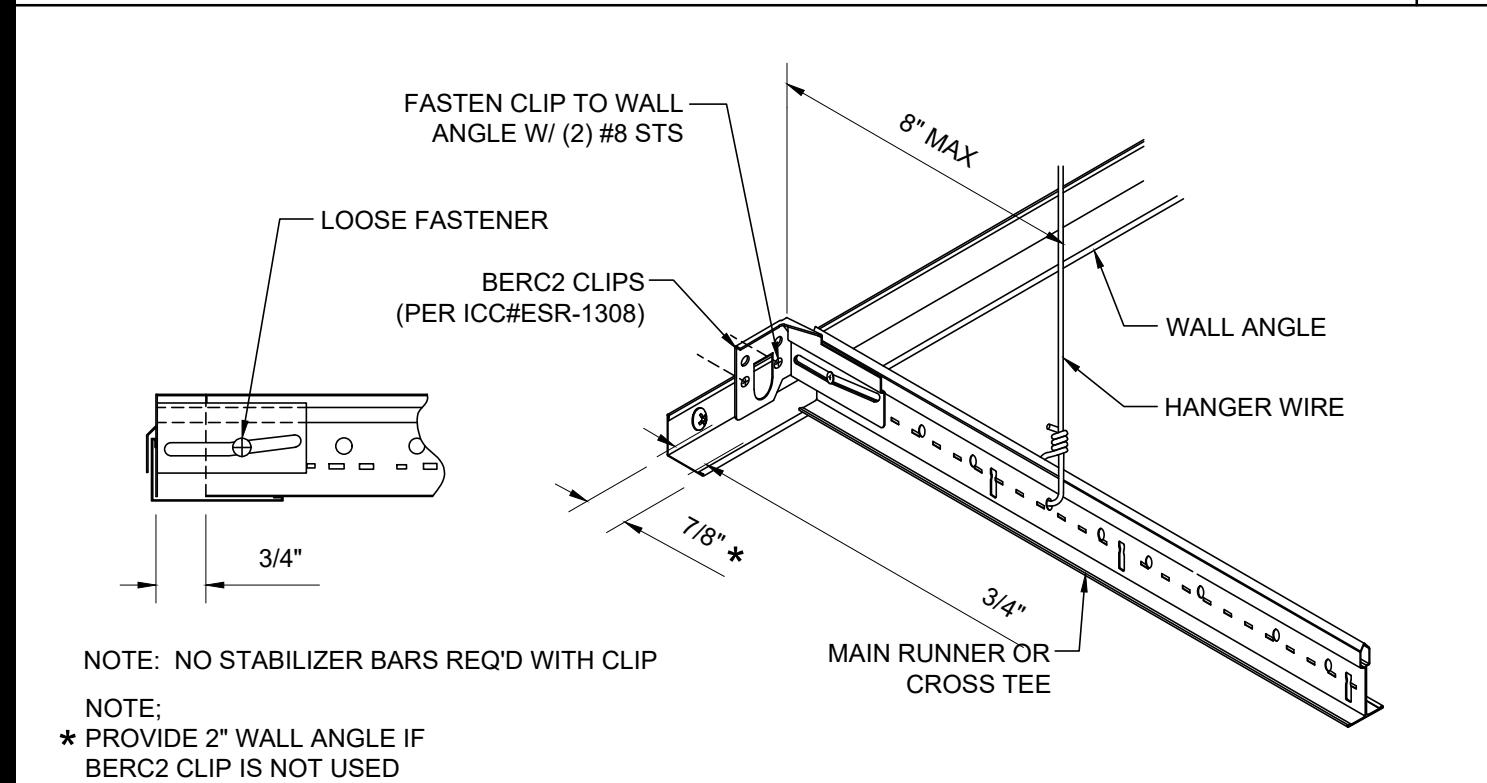
SEISMIC SPLAY - 4 WAY SCALE: NTS 3



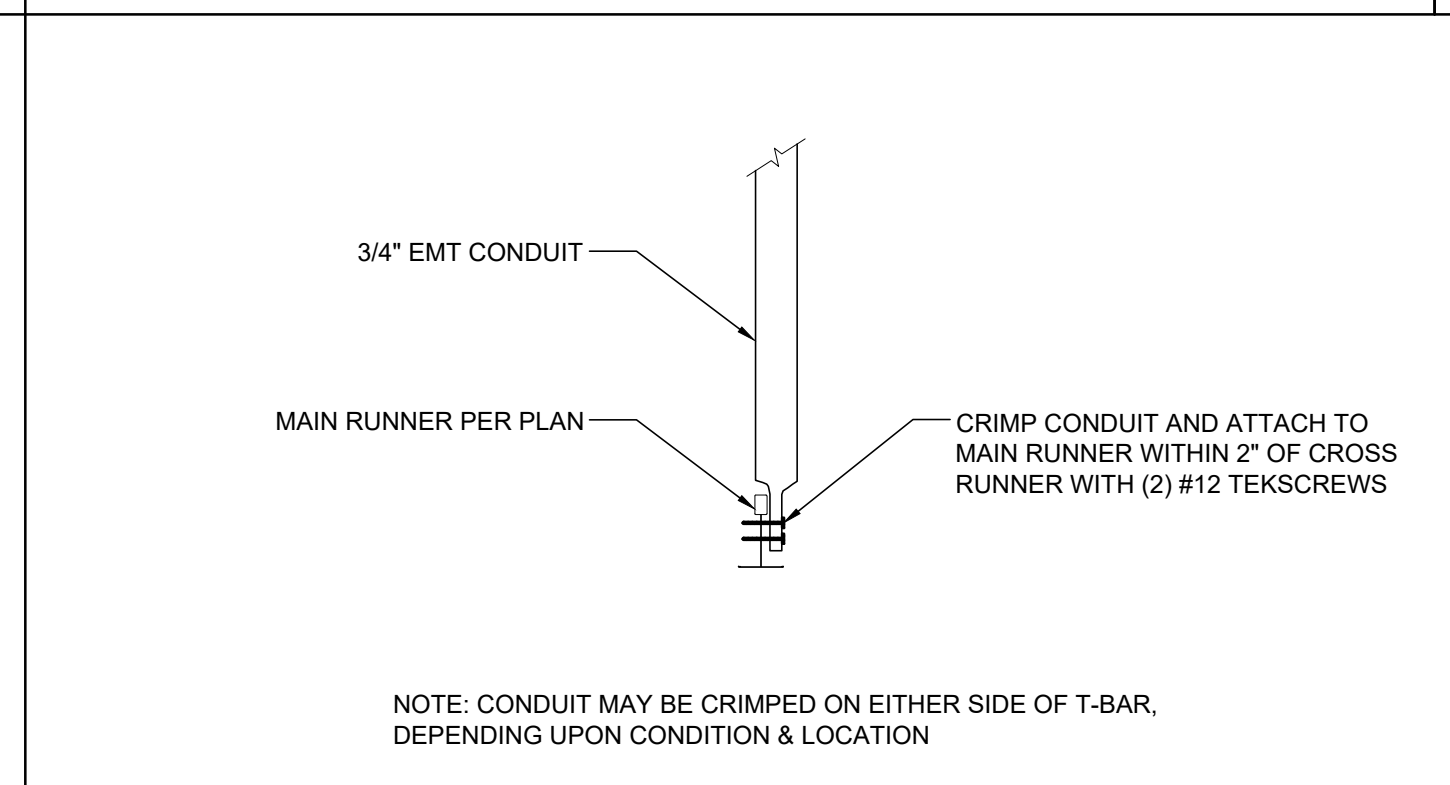
HANGER WIRE - FIXED SIDE (SIDEWALL) SCALE: 3"=1'-0" 8



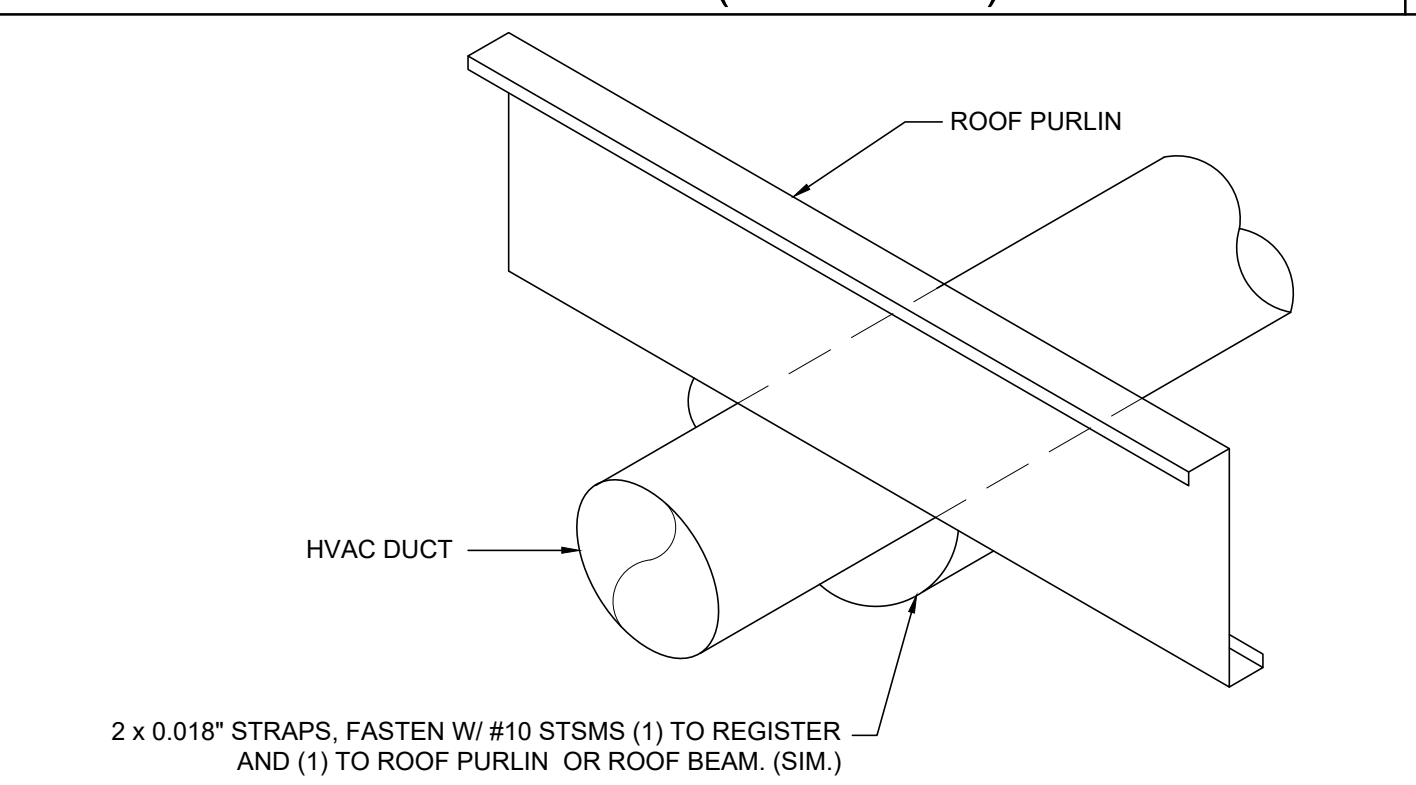
HANGER WIRE - FREE SIDE (ENDWALL) SCALE: 3"=1'-0" 14



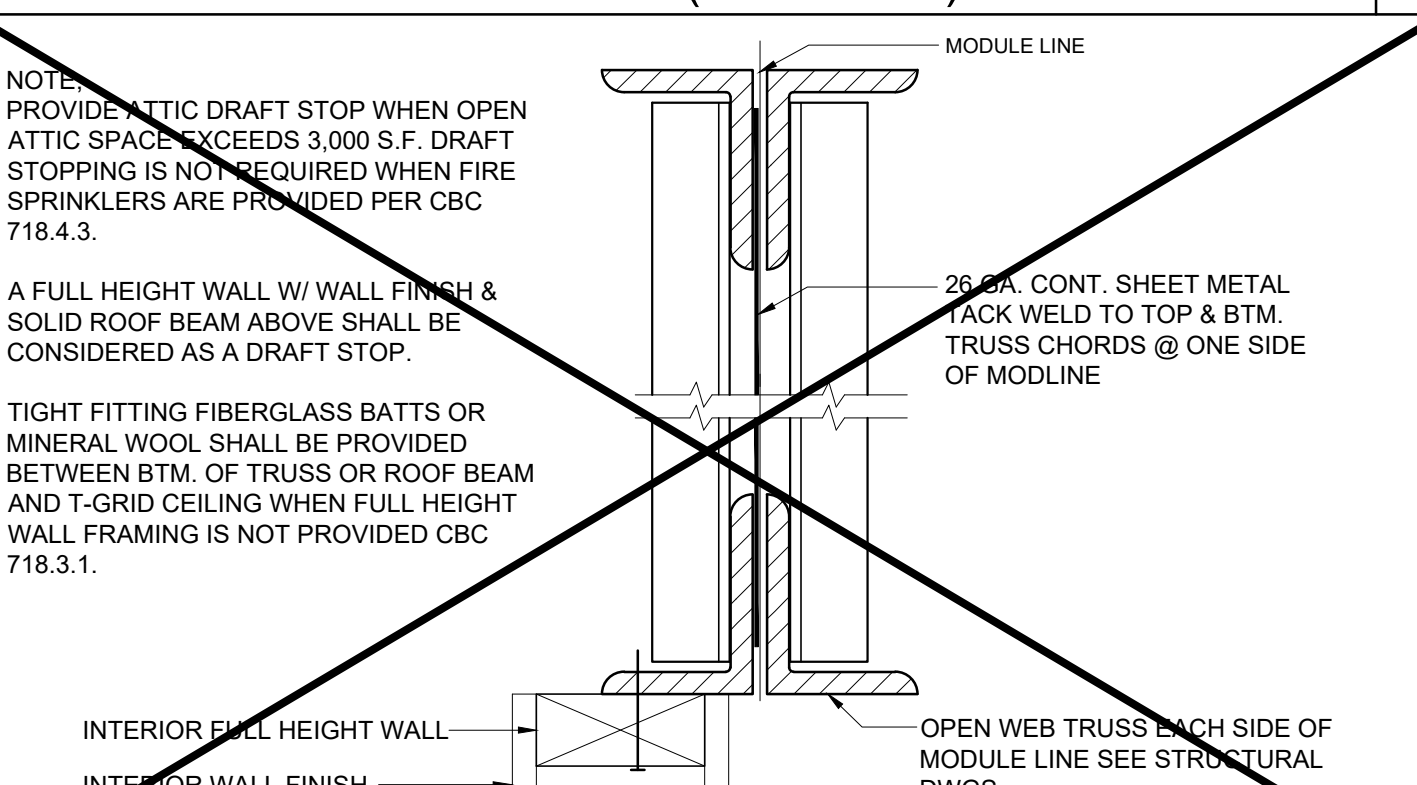
TRAPEZE DETAIL SCALE: NTS 17



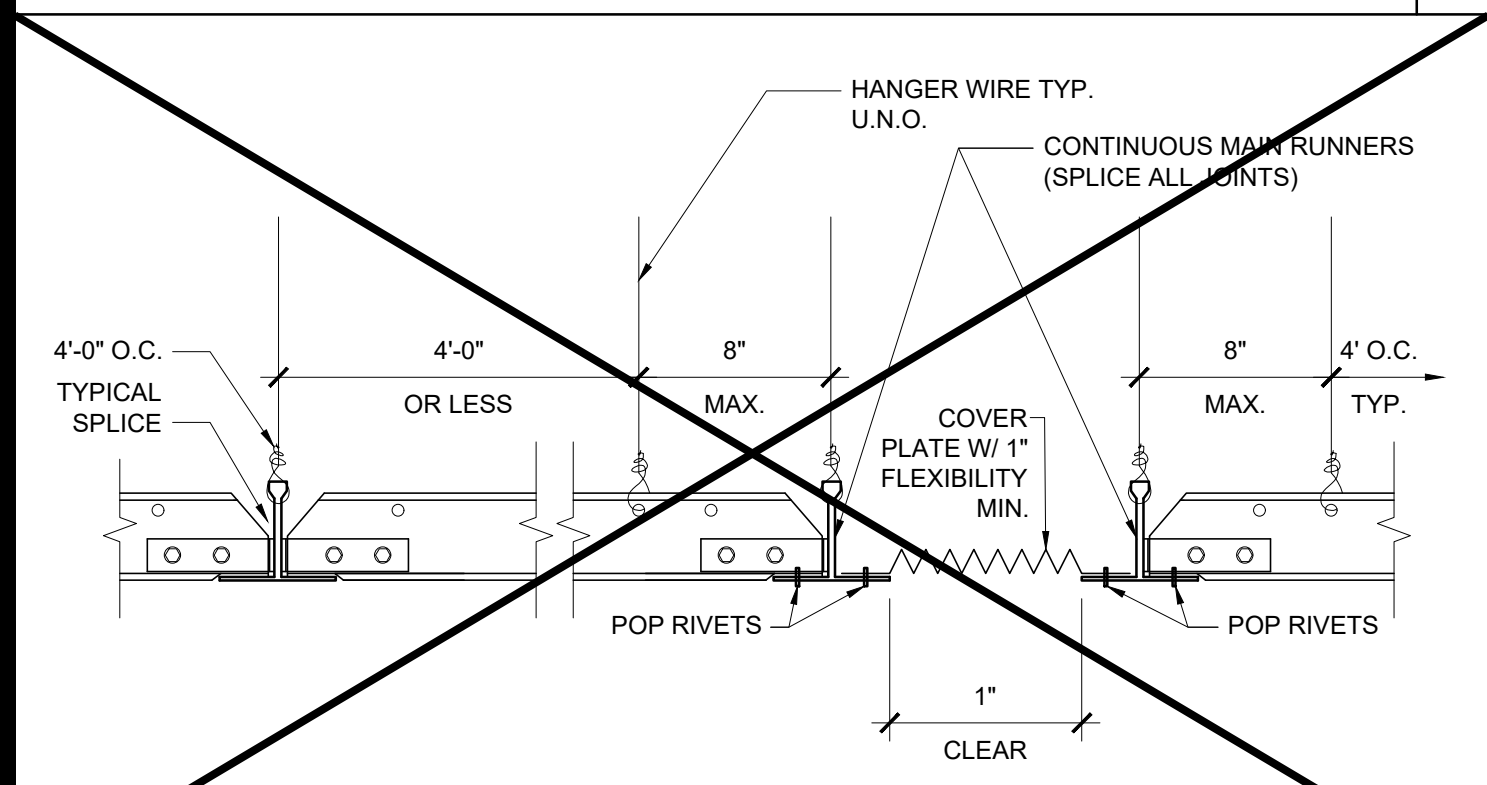
COMPRESSION STRUT SCALE: 3"=1'-0" 5



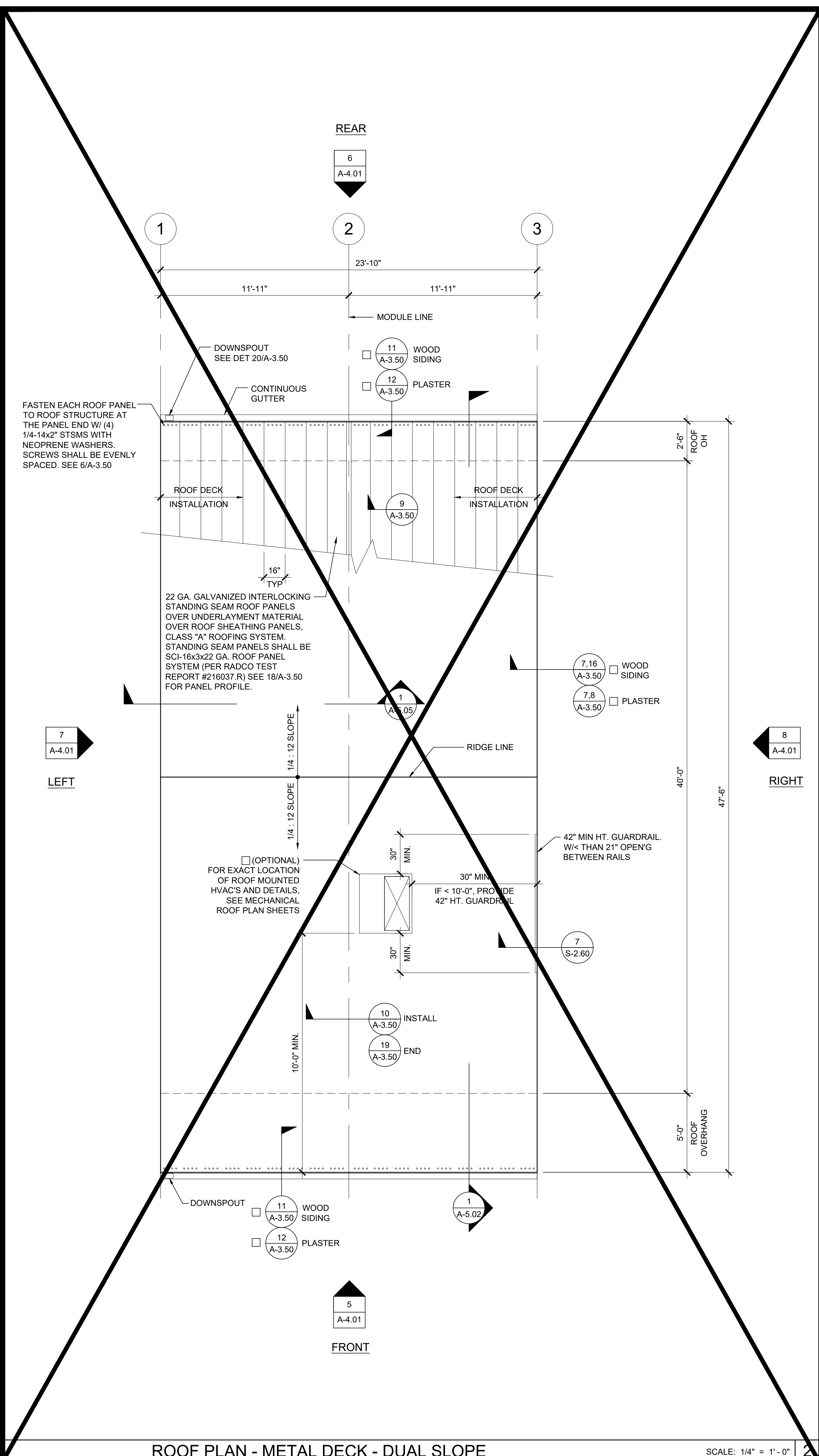
HVAC DUCTWORK MOUNTING SCALE: NTS 10



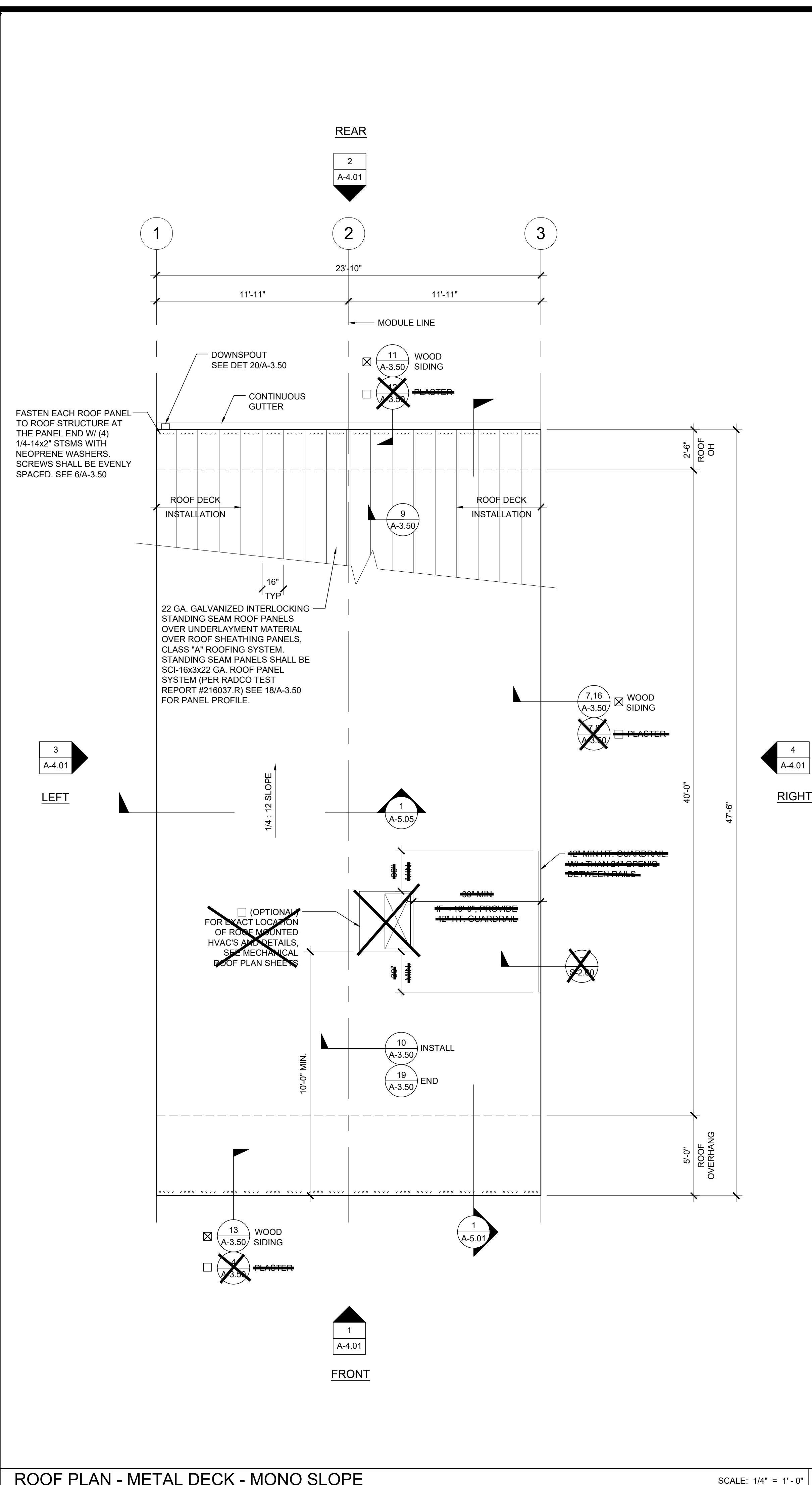
ATTIC DRAFT STOP SCALE: 3"=1'-0" 15



GRID SEISMIC SEPARATION JOINT SCALE: 3"=1'-0" 20



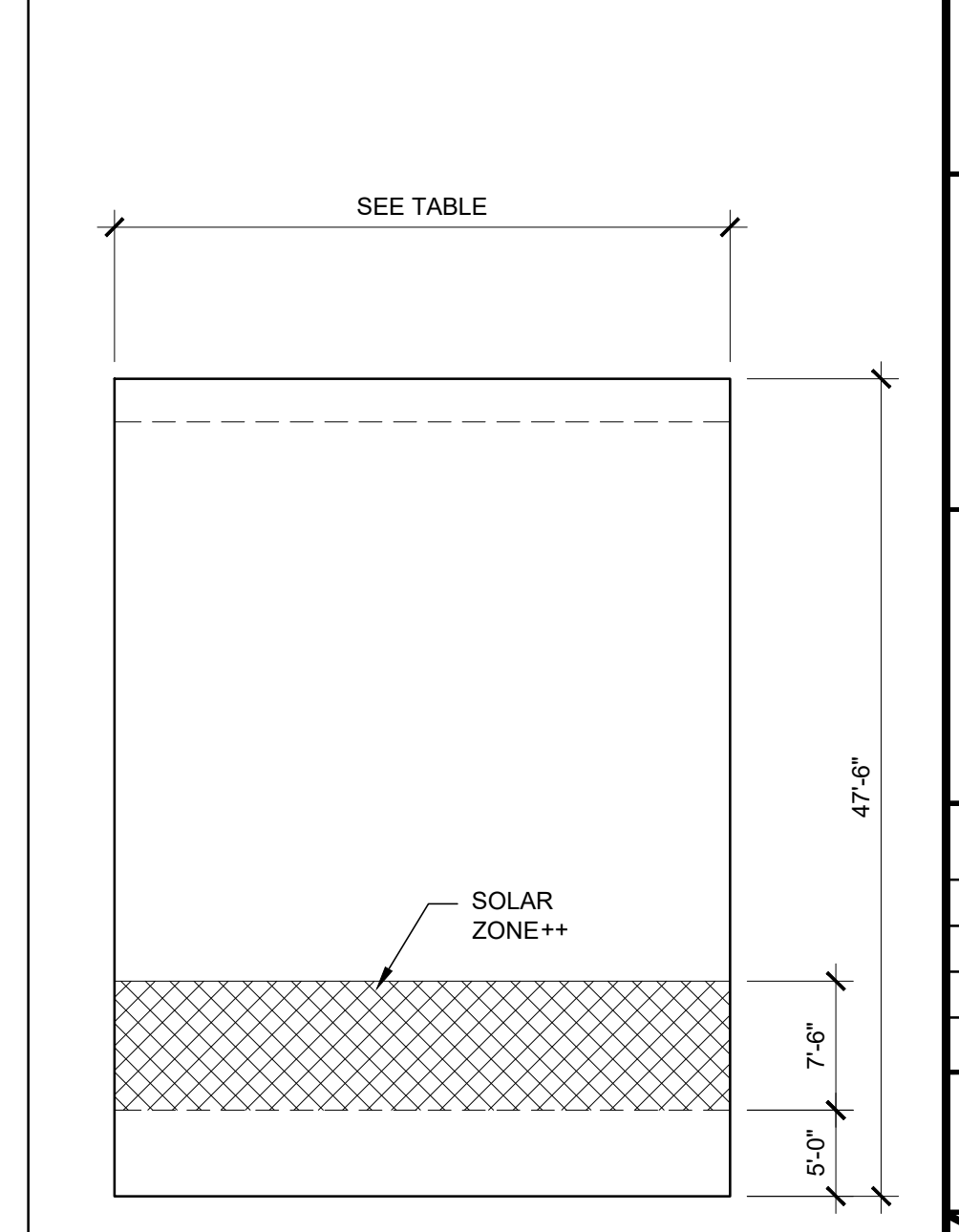
ROOF PLAN - METAL DECK - DUAL SLOPE SCALE: 1/4" = 1' - 0"



ROOF PLAN - METAL DECK - MONO SLOPE SCALE: 1/4" = 1' - 0"

- NOTES**
- BUILDINGS SHALL HAVE ROOF COVERINGS AS SPECIFIED IN CBC TABLE 1505.1 - CLASS A.
 - LOCATIONS OF DRAFTSTOP AND/OR FULL HEIGHT PARTITIONS AS REQUIRED PER CBC-718.4.3 SHALL BE SHOWN ON PROJECT SPECIFIC PLANS LOCATED AT MODULE LINES.
 - ALL ROOFTOP EQUIPMENT THAT REQUIRES SERVICE & ROOF ACCESS HATCHES MUST BE A MIN. OF 10'-0" AWAY FROM ALL ROOF EDGES TO OPENING EDGES. OR A GUARDRAIL SHALL BE PROVIDED PER 7/S-2.60
 - SEE DETAIL "A" (THIS SHEET) FOR ROOF SYSTEM UPLIFT CAPACITY

SOLAR ZONE

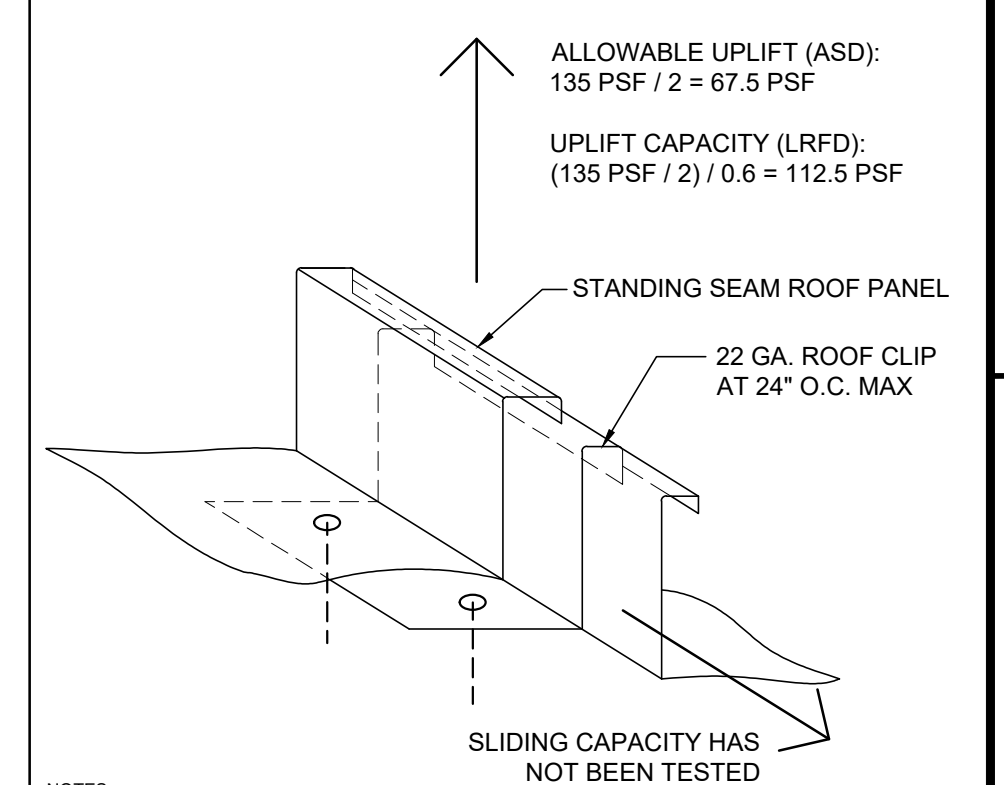


KEYPLAN

BUILDING SIZE	REQUIRED SOLAR ZONE	PROVIDED SOLAR ZONE
24'-0" x 40'-0"	172 SF	178 SF
24'-0" x 30'-0"	126 SF	127 SF
24'-0" x 20'-0"	88 SF	88 SF
24'-0" x 10'-0"	44 SF	44 SF
24'-0" x 5'-0"	22 SF	22 SF
24'-0" x 4'-0"	17 SF	17 SF
24'-0" x 3'-0"	13 SF	13 SF
24'-0" x 2'-0"	9 SF	9 SF
24'-0" x 1'-0"	4 SF	4 SF
24'-0" x 0'-0"	0 SF	0 SF

ROOF AREA PER MODULE = 567 SF
 REQUIRED SOLAR ZONE = 86 SF
 PROVIDED SOLAR ZONE = 89 SF

NOTE: ACTUAL SOLAR ZONE LOCATION AND SIZE MAY VARY. MINIMUM ZONE AREA SHALL BE PER THE TABLE ABOVE.



- NOTES:**
- THE ALLOWABLE UPLIFT VALUES PROVIDED ABOVE ARE BASED ON TESTING PERFORMED IN ACCORDANCE WITH UL STANDARD 1897 (UPLIFT TEST FOR ROOF COVERING SYSTEM).
 - THE ULTIMATE LOAD DETERMINED BY TESTING = 135 PSF. A SAFETY FACTOR OF 2.0 HAS BEEN USED IN CALCULATING THE ALLOWABLE VALUES.
 - PV PANEL ATTACHMENT OPTION IS NOT INCLUDED WITHIN THIS PC.
 - THE CLIP SLIDING CAPACITY HAS NOT BEEN TESTED. IF PV PANELS ARE INSTALLED THE SLIDING CAPACITY OF THE ROOF PANEL SYSTEM MUST BE DETERMINED BY FIELD TESTING FOR ROOF SLOPES OF NOT LESS THAN 7 DEGREES. EXCEPTION: WHERE THE SLIDING LOAD FOR SEISMIC AND WIND FORCES ON THE PV PANEL SYSTEM IS LESS THAN THE DISPLACED DESIGN LIVE LOAD SLIDING COMPONENT PER DSA IR 16-8 (SECTION 5.1.1.2).
 - CONVERSION FROM ALLOWABLE UPLIFT (ASD) TO UPLIFT CAPACITY (LRFD) IS BASED ON ASD WIND PRESSURE = 0.6 x (LFRD WIND PRESSURE).

ROOF SYSTEM CAPACITY SCALE: NTS

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 APP: 02-122154 INC.
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PROJECT NAME:
**SYLVAN USD
 CROSSROADS E.S.
 (2) 24' x 40'
 CLASSROOM BUILDINGS**

SHEET TITLE:
**ROOF PLAN
 24'x40' - METAL DECK
 MONO OR DUAL SLOPE**

REVISIONS

1	
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3	
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 PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
 24' x 40' PC

PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 02-27-2023

P.C. SHEET NUMBER
A-3.01

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 CROSSROADS E.S.
 (2) 24' x 40'
 CLASSROOM BUILDINGS**

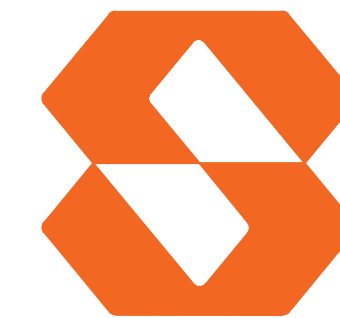
SHEET TITLE:
**ROOF DETAILS
 STANDING SEAM
 ROOF DECK**

REVISIONS

PRE-CHECK (PC) DOCUMENT
 CODE: 2022 CBC
 A SEPARATE PROJECT APPLICATION
 FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 04-121999 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 08/31/2023

PC STATE AGENCY APPROVAL



Silver Creek
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

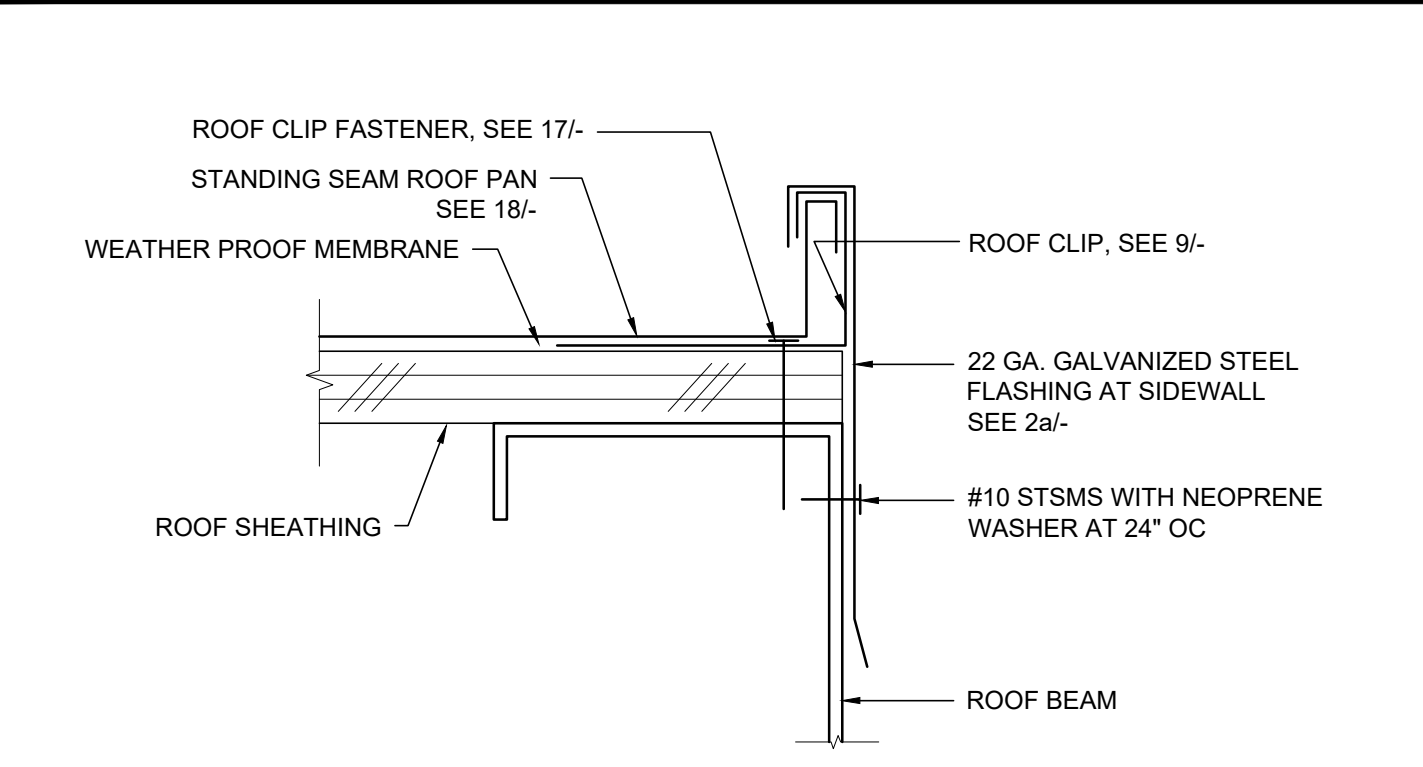
MODULAR BUILDING DESIGN PROFESSIONAL



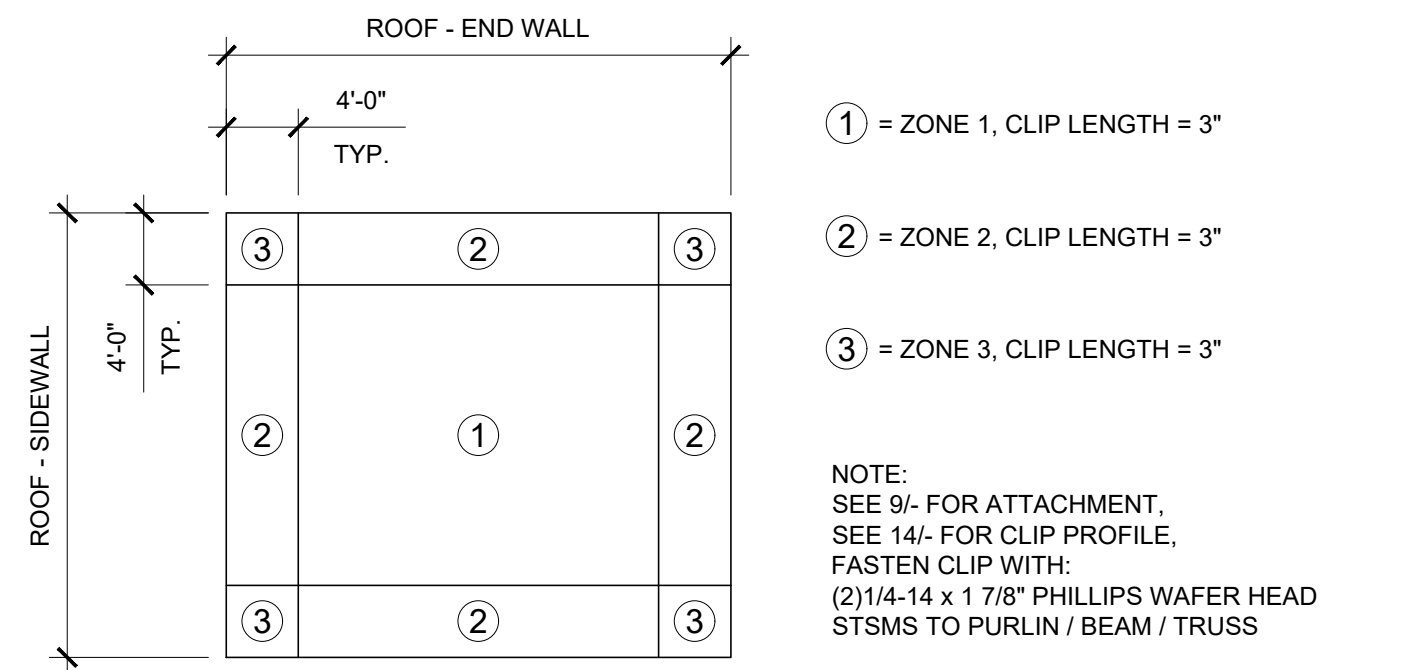
SILVER CREEK INDUSTRIES
 24' x 40' PC

PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 02-27-2023
 P.C. SHEET NUMBER

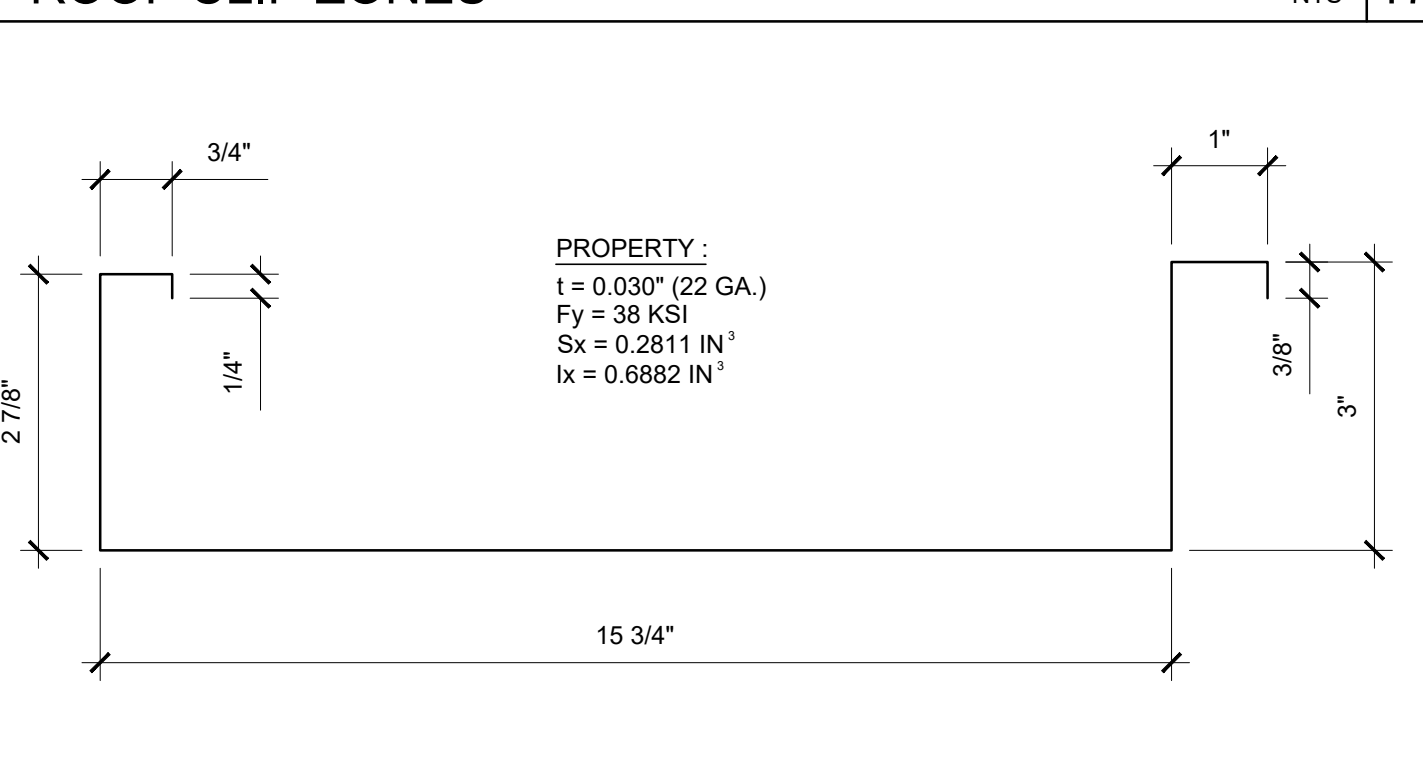
A-3.50



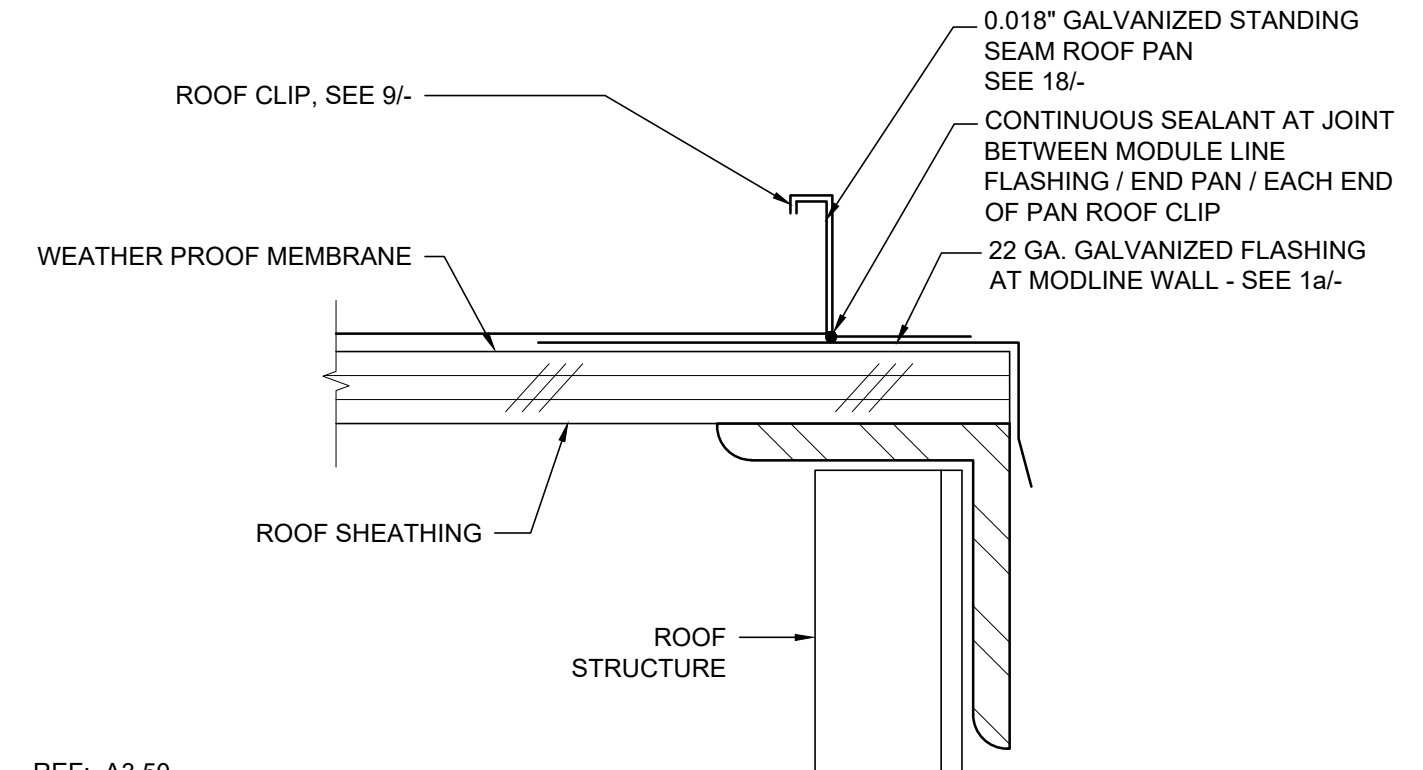
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ROOF FLASHING AT SIDEWALL SCALE: 6"=1'-0" 16



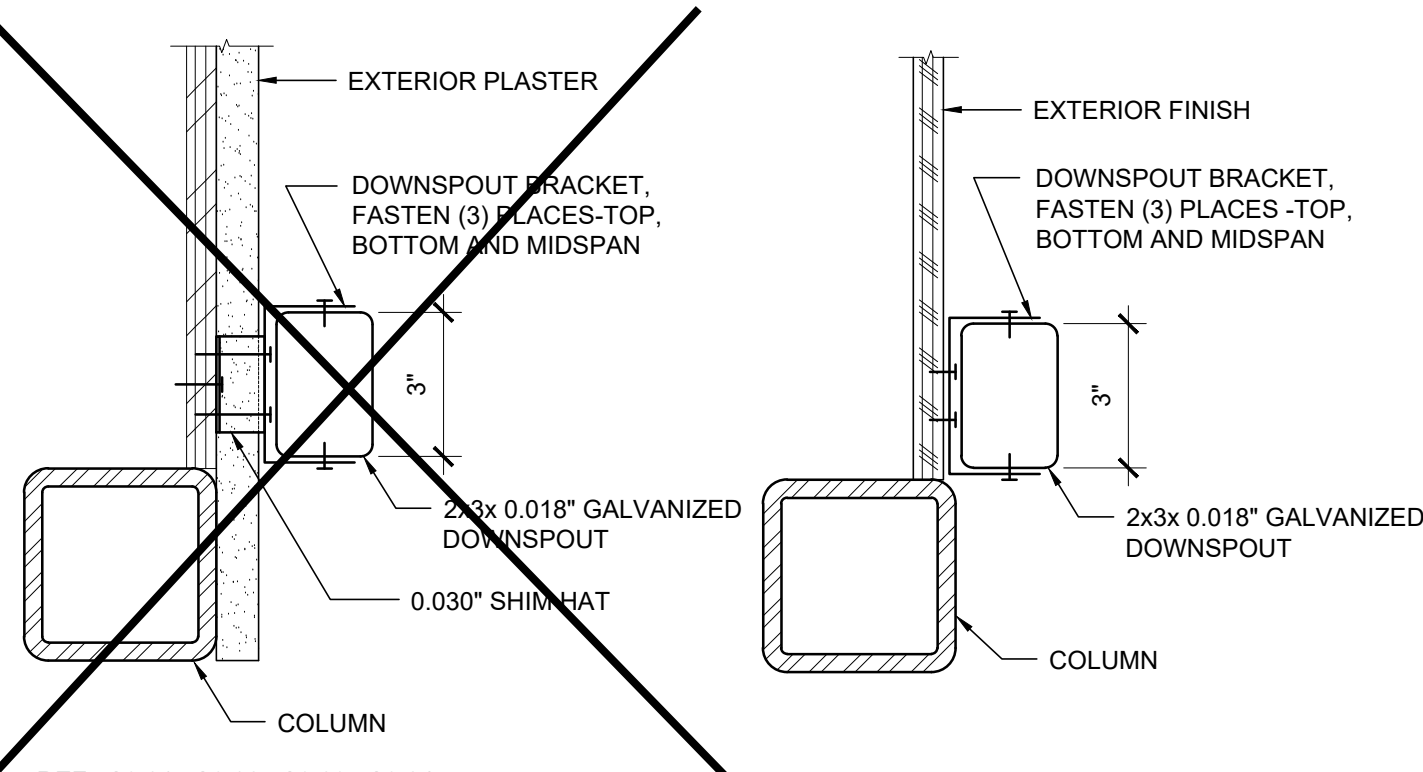
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ROOF CLIP ZONES NTS 17



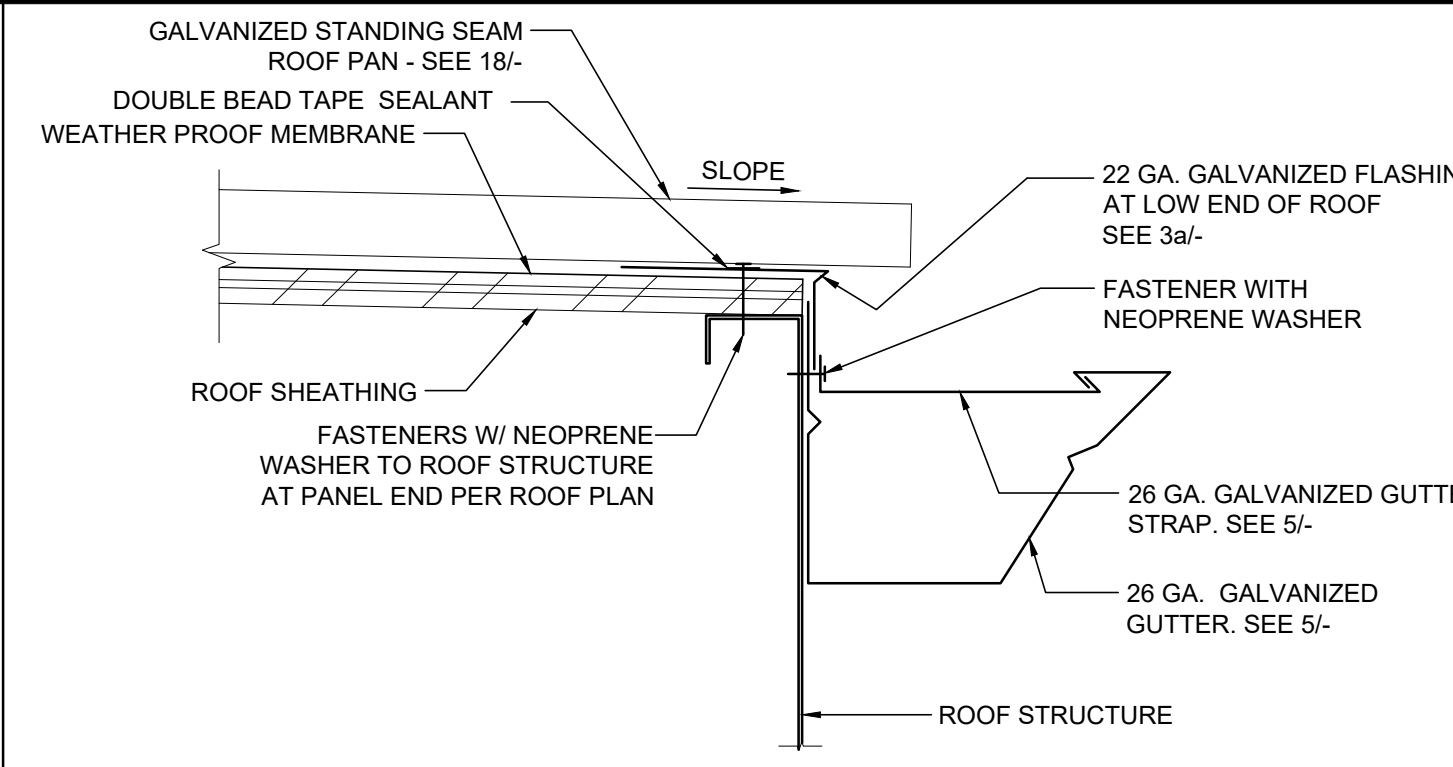
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ROOF DECK PROFILE SCALE: NTS 18



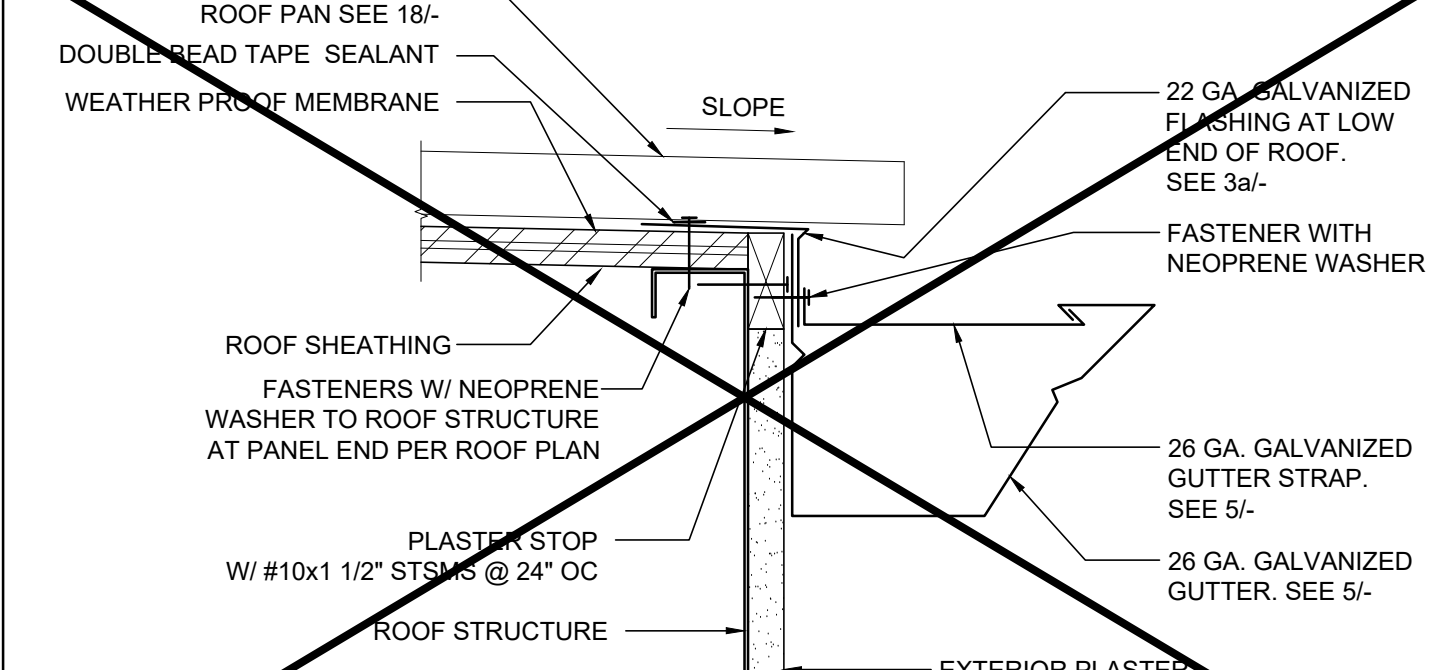
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END ROOF PAN CONDITION SCALE: 6"=1'-0" 19



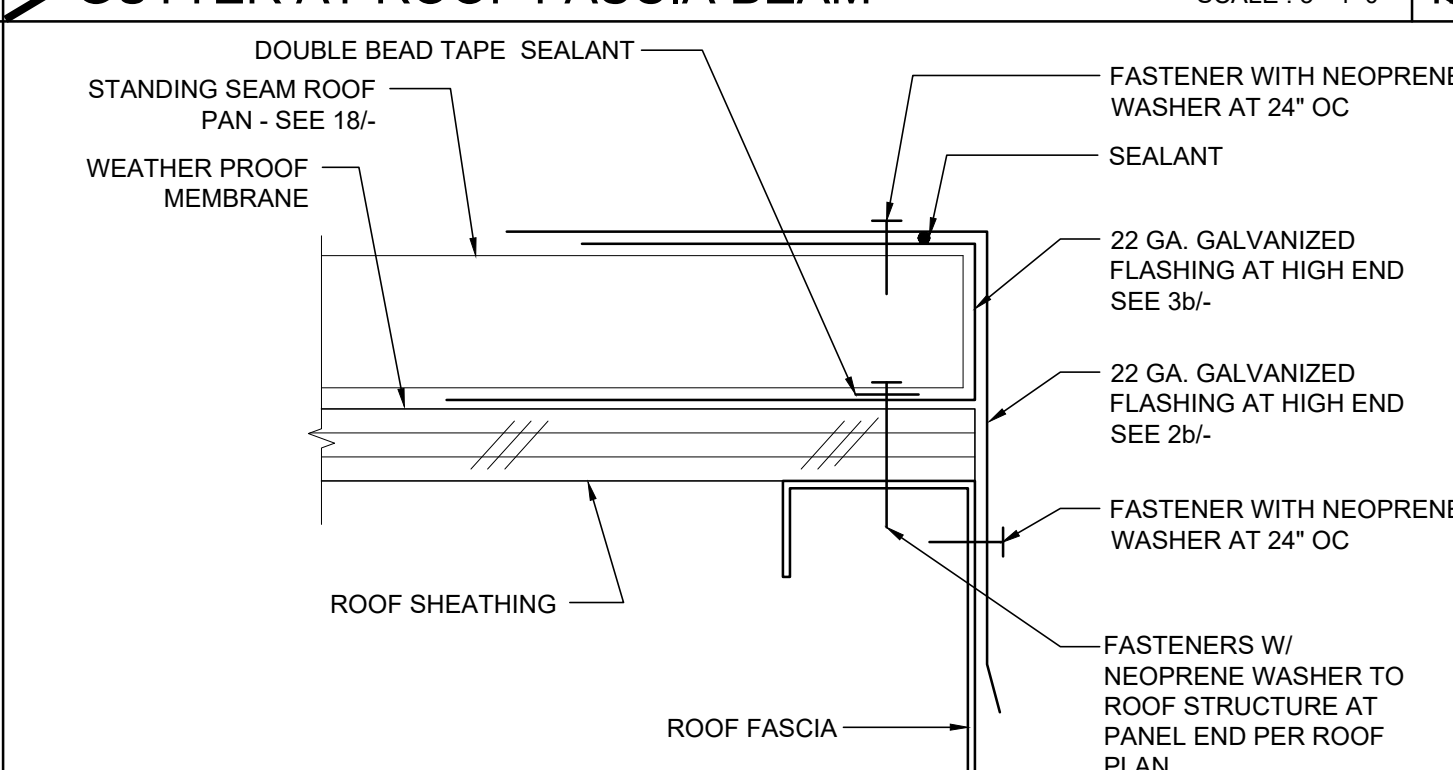
REF: A3.01, A3.02, A3.03, A3.04
DOWNSPOUT ATTACHMENT SCALE: 3"=1'-0" 20



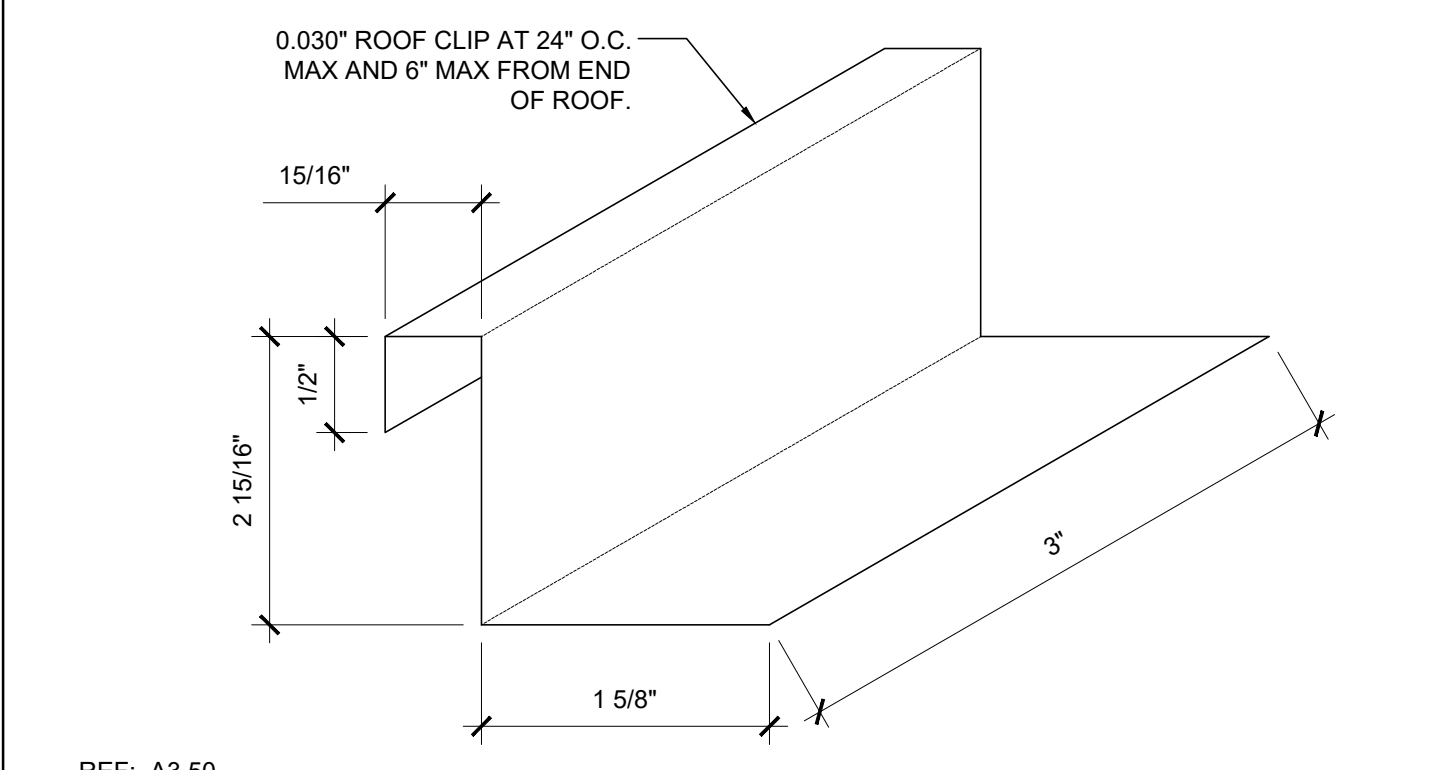
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GUTTER AT ROOF FASCIA BEAM SCALE: 3"=1'-0" 11



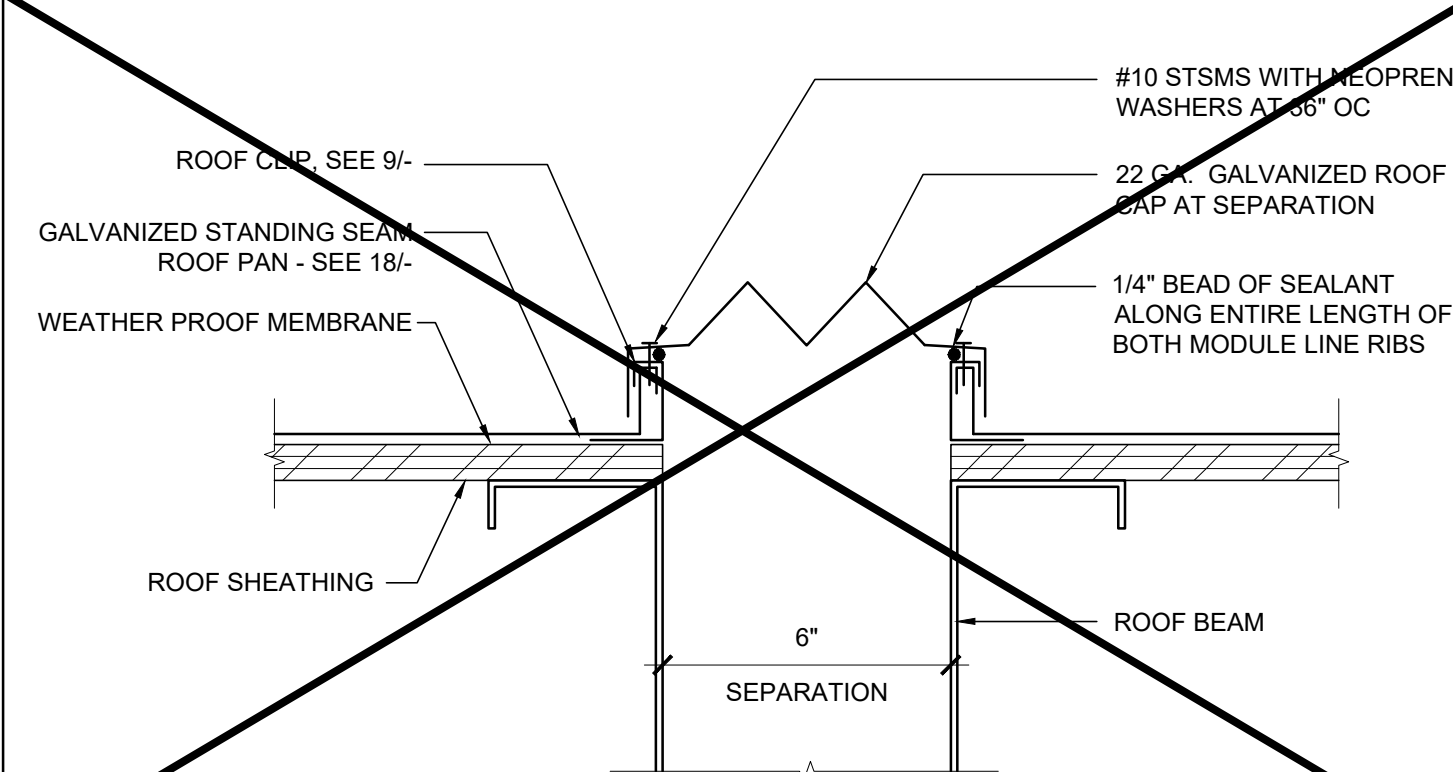
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GUTTER AT ROOF FASCIA BEAM SCALE: 3"=1'-0" 12



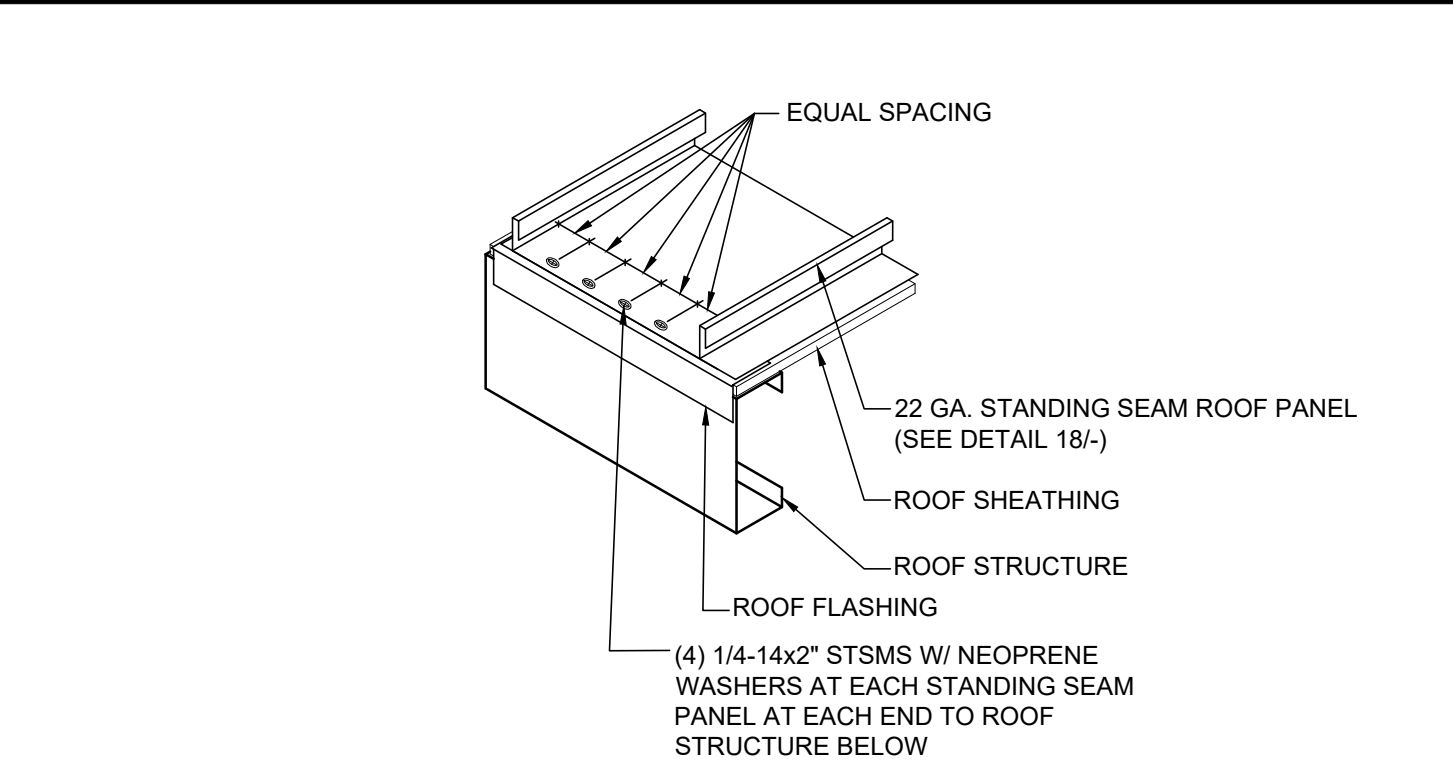
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ROOF FLASHING AT HIGH SIDE SCALE: 6"=1'-0" 13



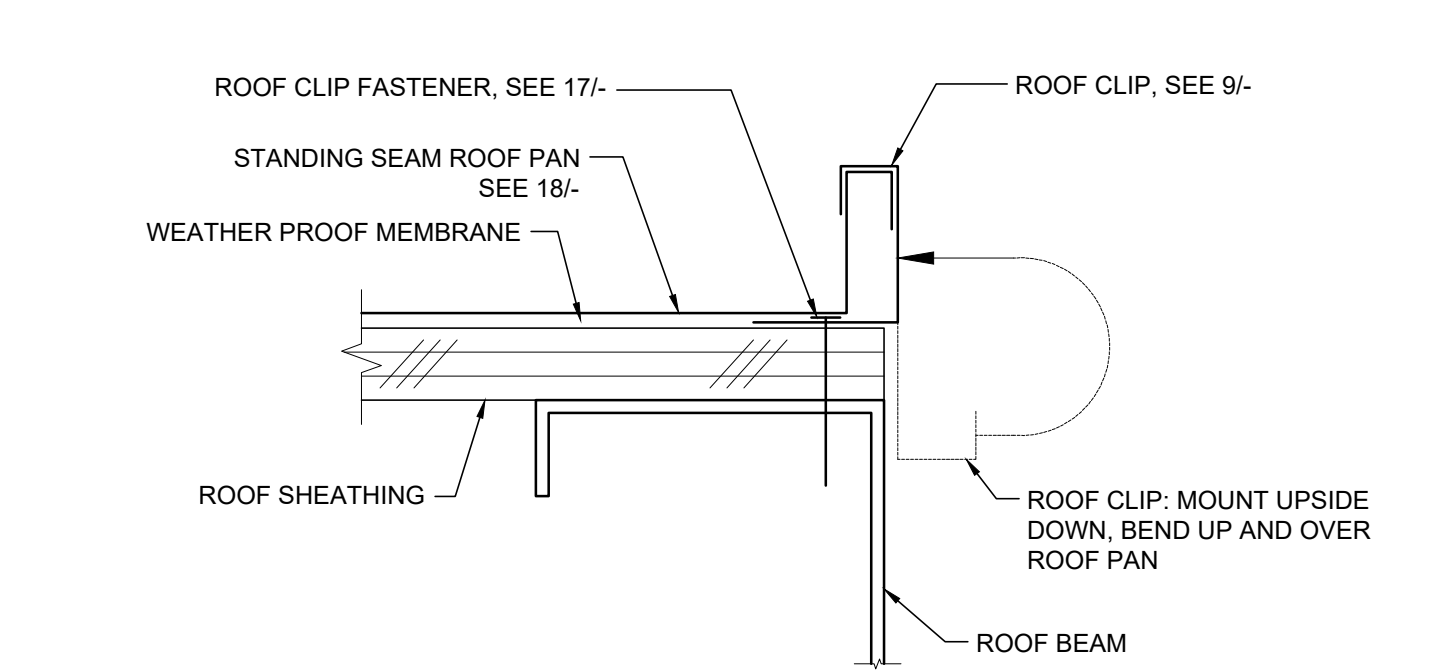
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ROOF CLIP SCALE: 1'-0"=1'-0" 14



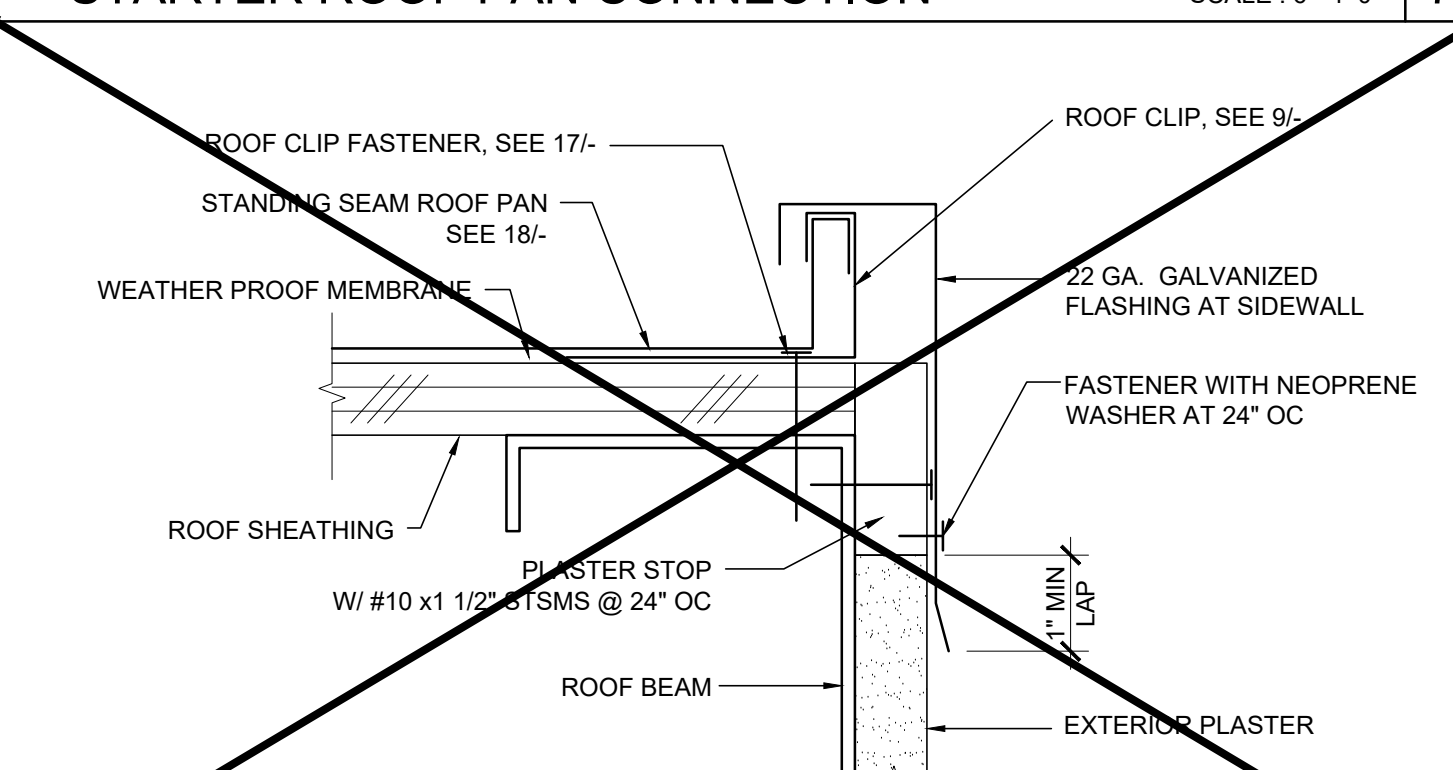
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ROOF CAP AT SEPARATION SCALE: 3"=1'-0" 15



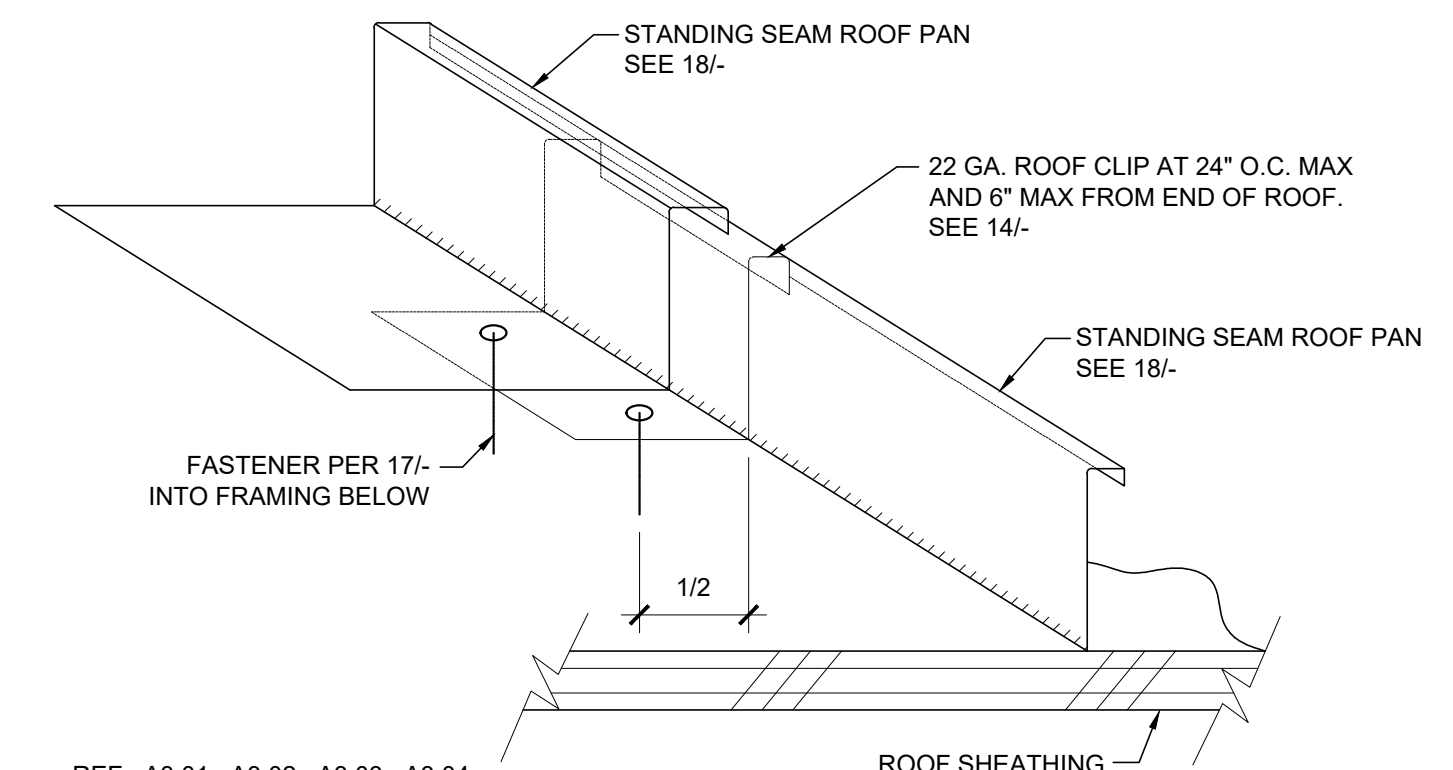
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STANDING SEAM PANEL AT ENDS SCALE: NTS 6



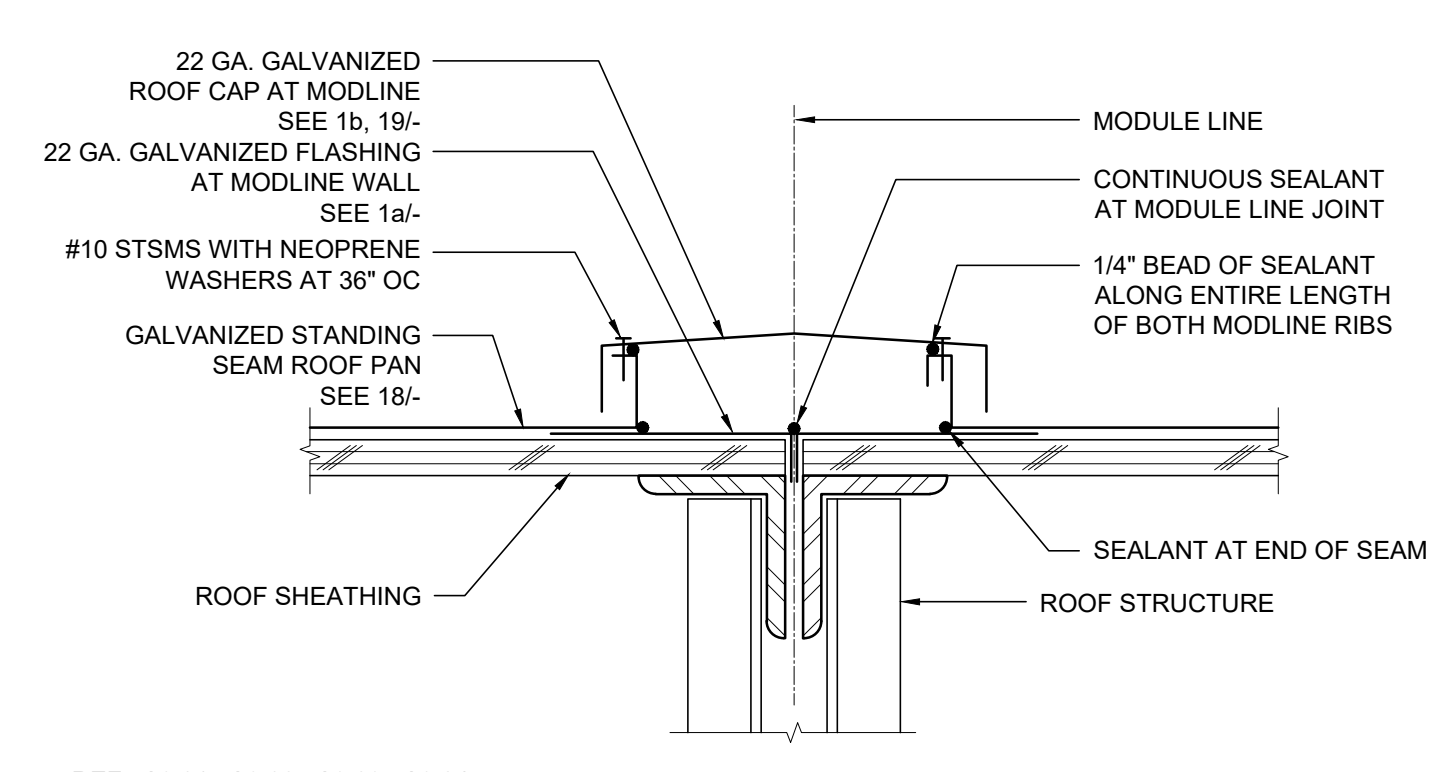
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STARTER ROOF PAN CONNECTION SCALE: 6"=1'-0" 7



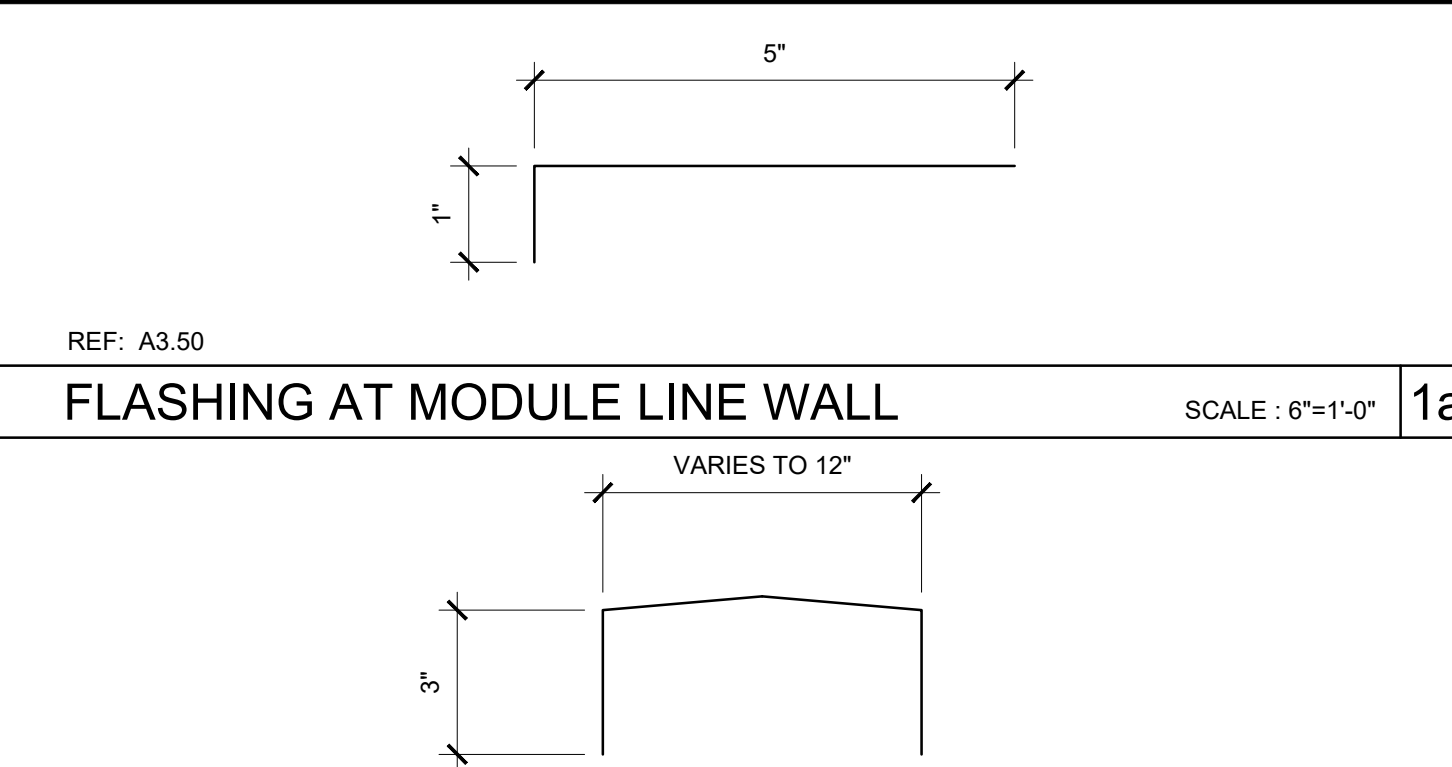
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ROOF FLASHING AT SIDEWALL SCALE: 6"=1'-0" 8



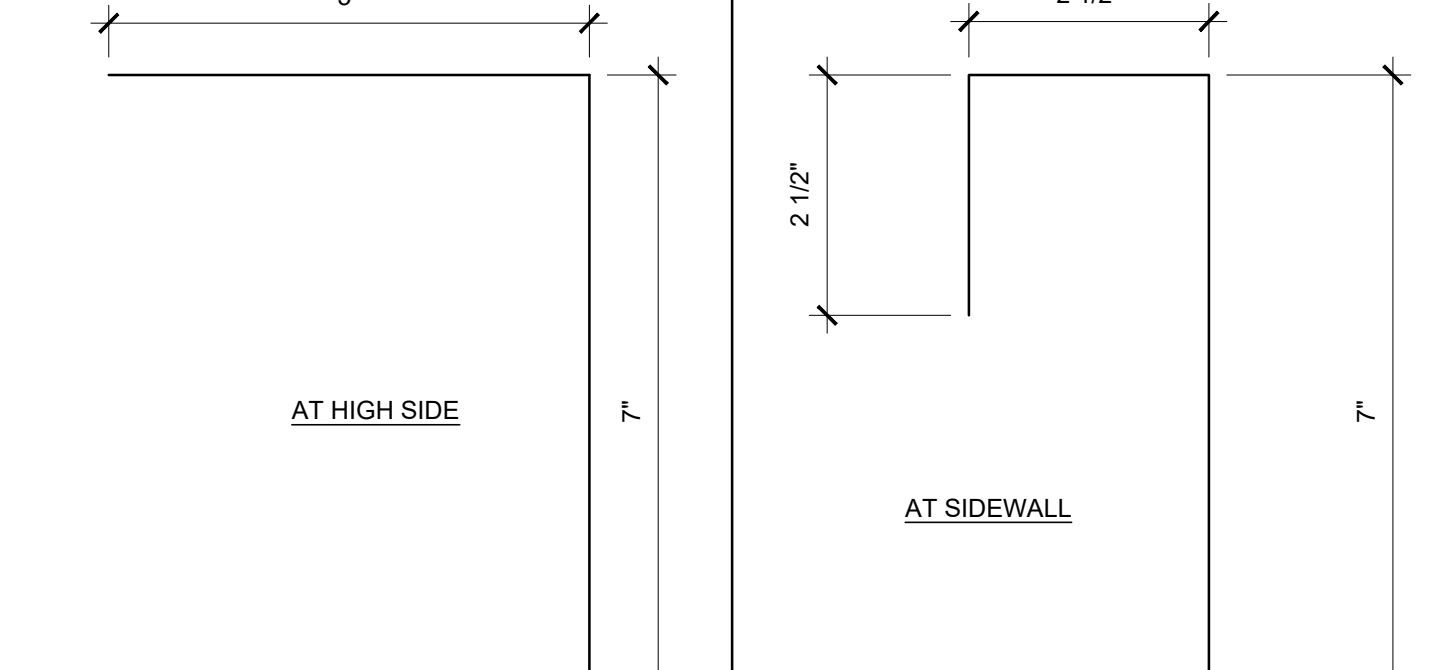
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ROOF CLIP @ STANDING SEAM SCALE: NTS 9



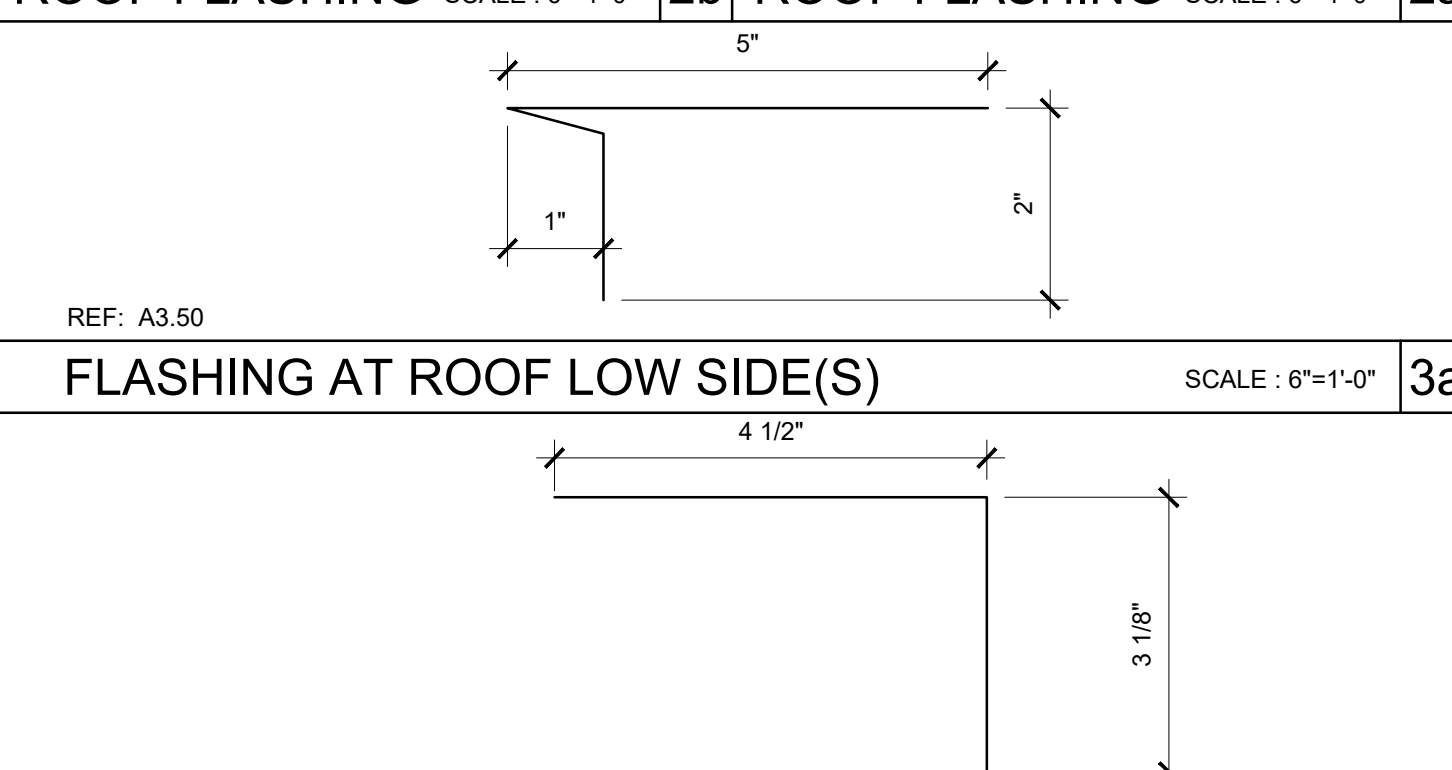
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MODULE LINE ROOF CAP SCALE: 3"=1'-0" 10



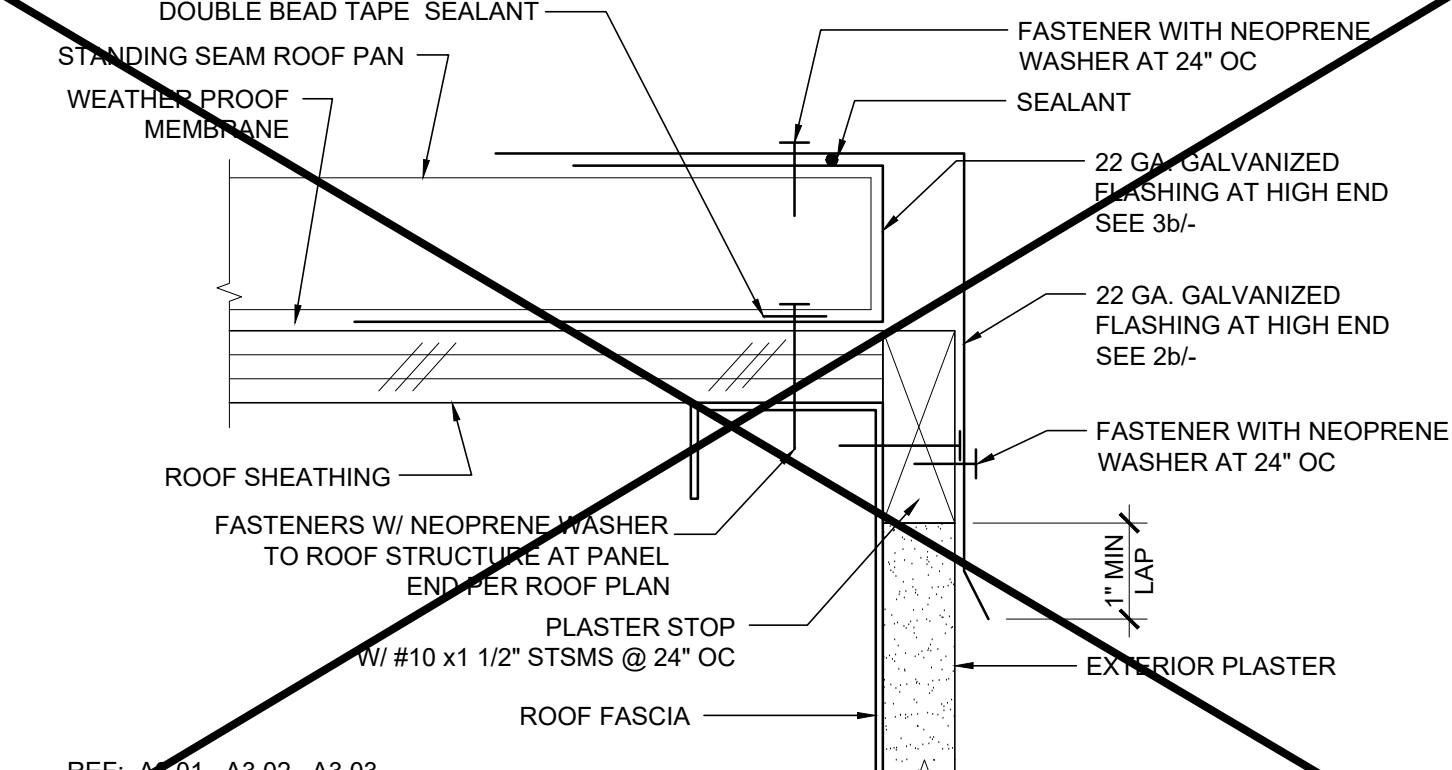
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FLASHING AT MODULE LINE WALL SCALE: 6"=1'-0" 1a



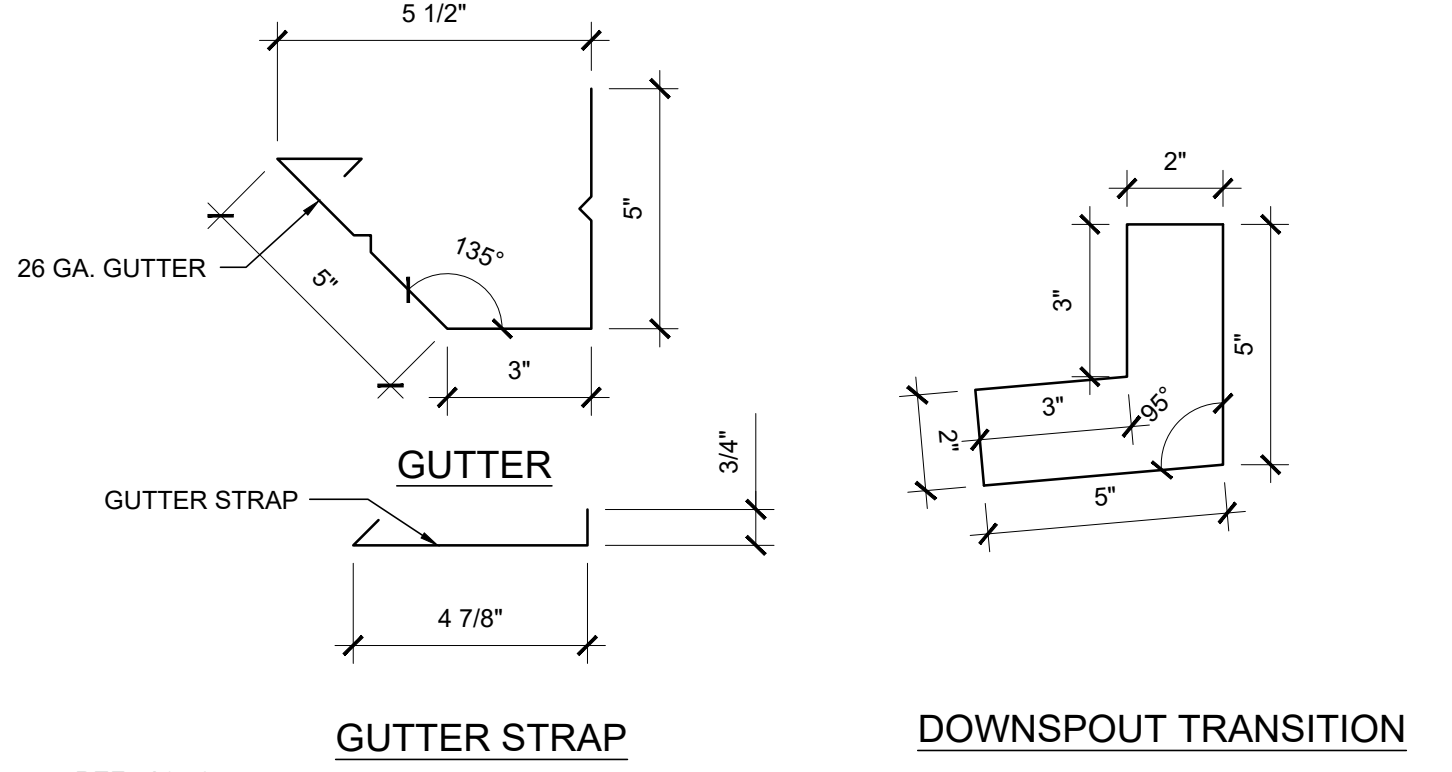
REF: A3.50
0.018" ROOF CAP AT MODULE LINE SCALE: 6"=1'-0" 1b



REF: A3.50
ROOF FLASHING SCALE: 6"=1'-0" 2b



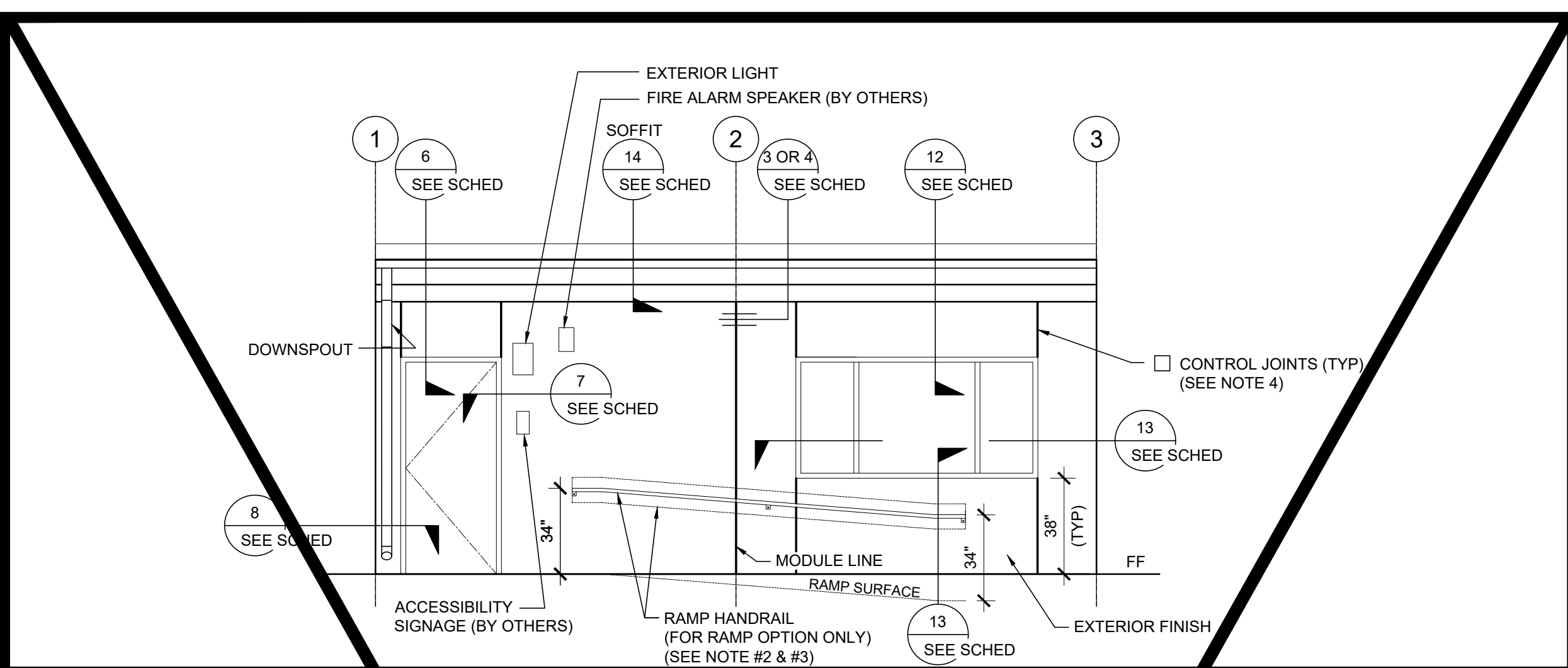
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FLASHING AT ROOF LOW SIDE(S) SCALE: 6"=1'-0" 3a



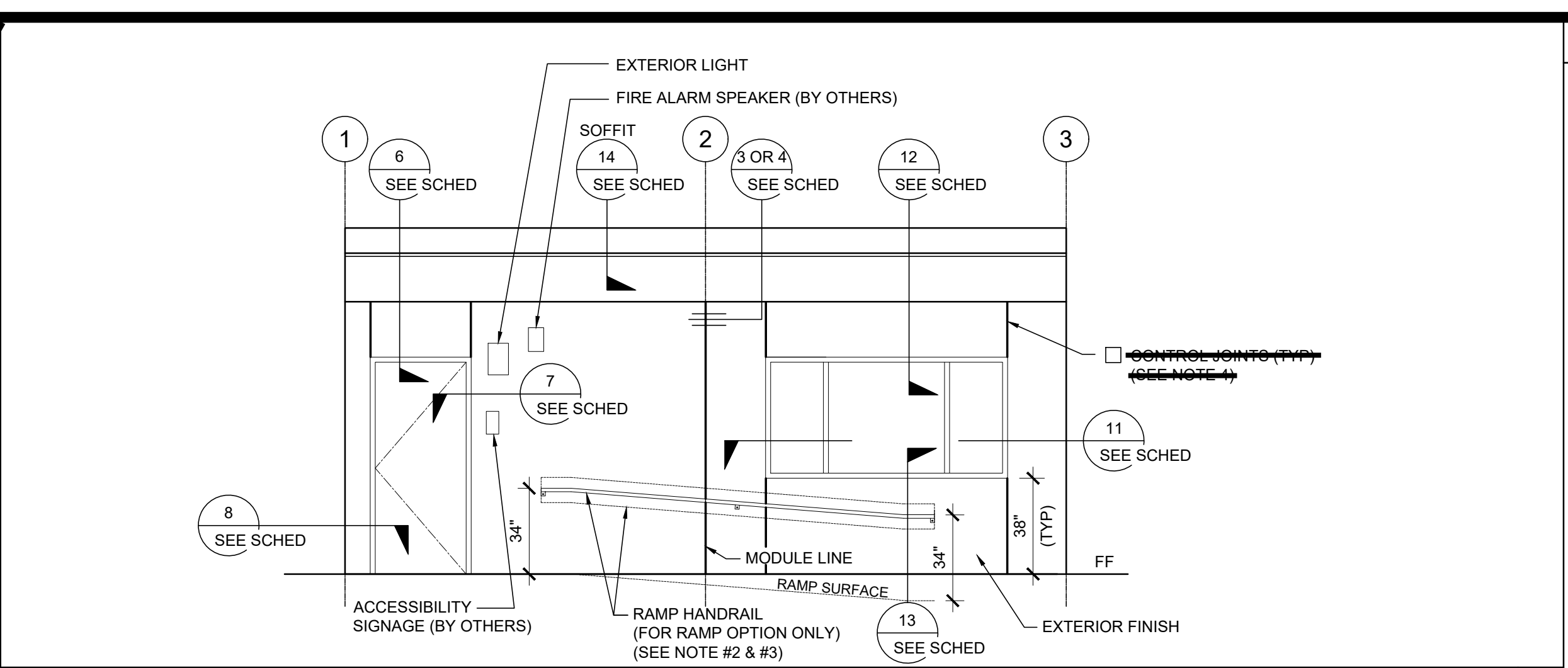
REF: A3.01, A3.02, A3.03
FLASHING AT ROOF HIGH SIDE SCALE: 6"=1'-0" 3b



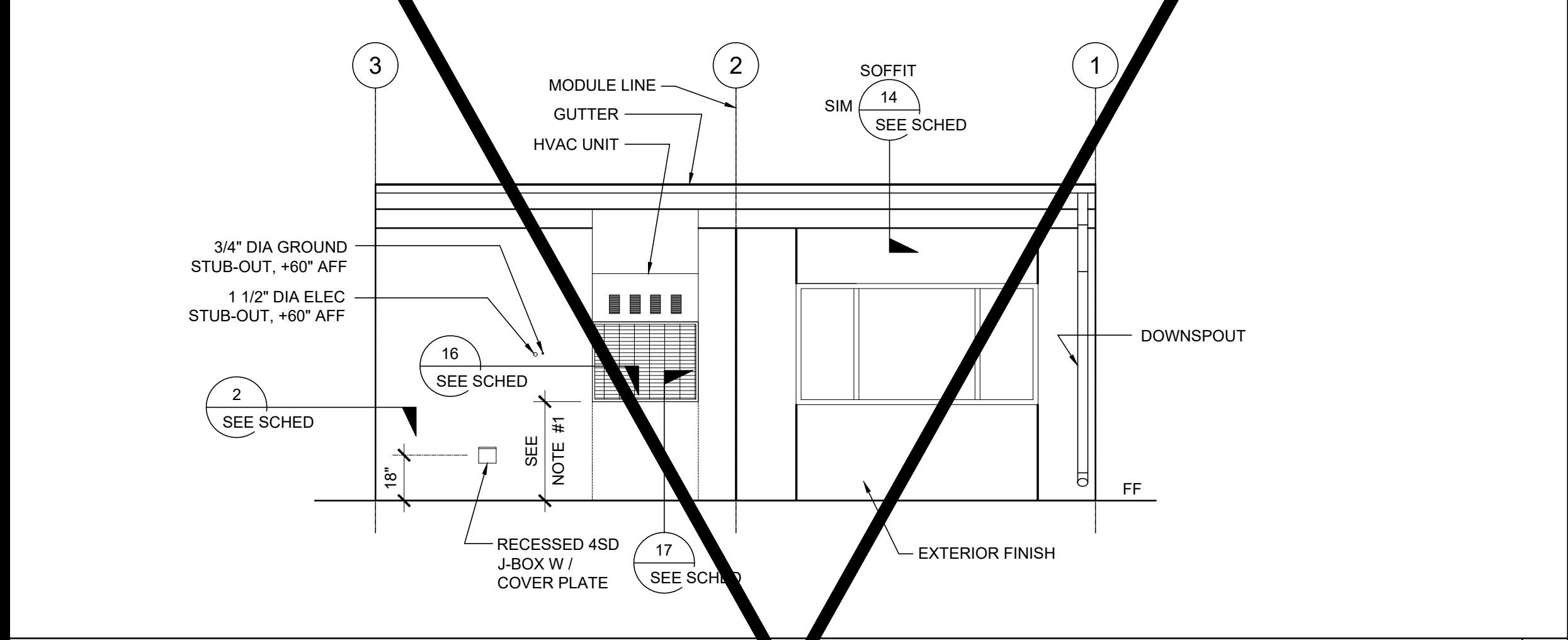
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GUTTER AND STRAP & DOWNSPOUT SCALE: 3"=1'-0" 5



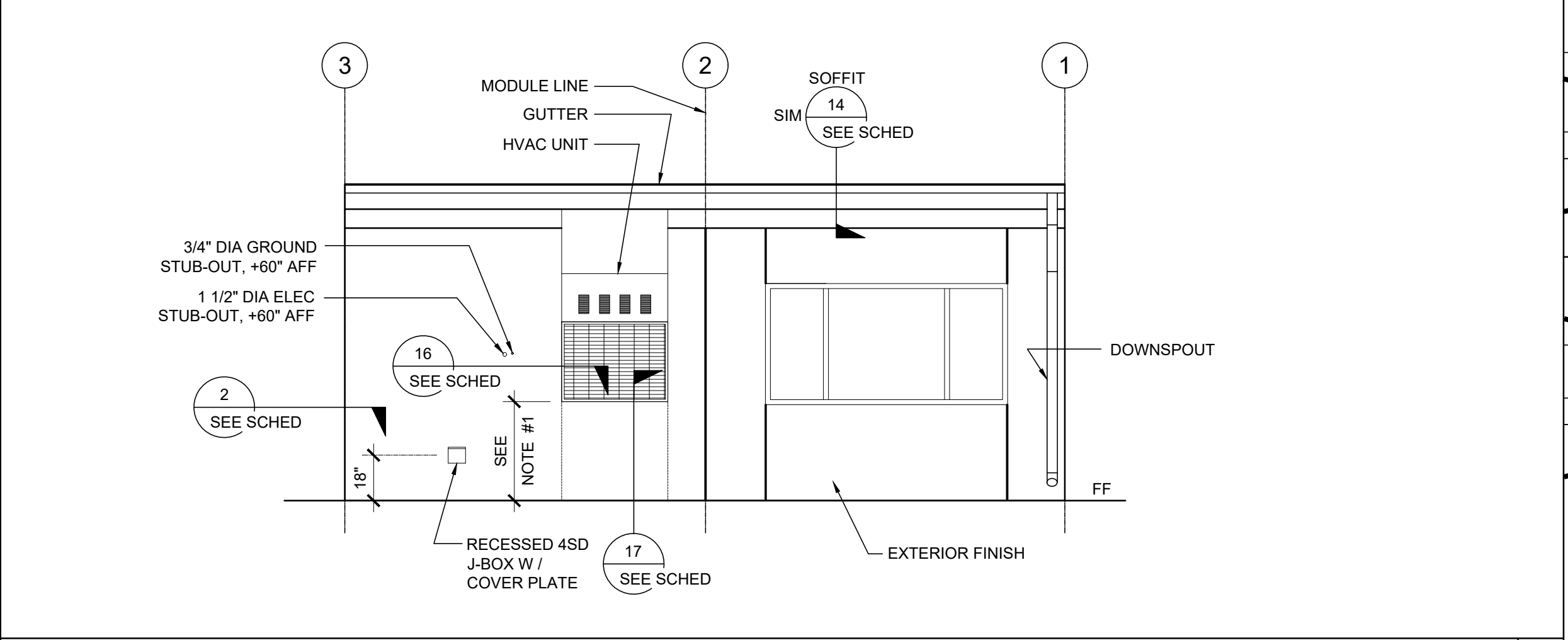
EXTERIOR ELEVATIONS - FRONT - DUAL SLOPE SCALE: 1/4" = 1'-0" 5



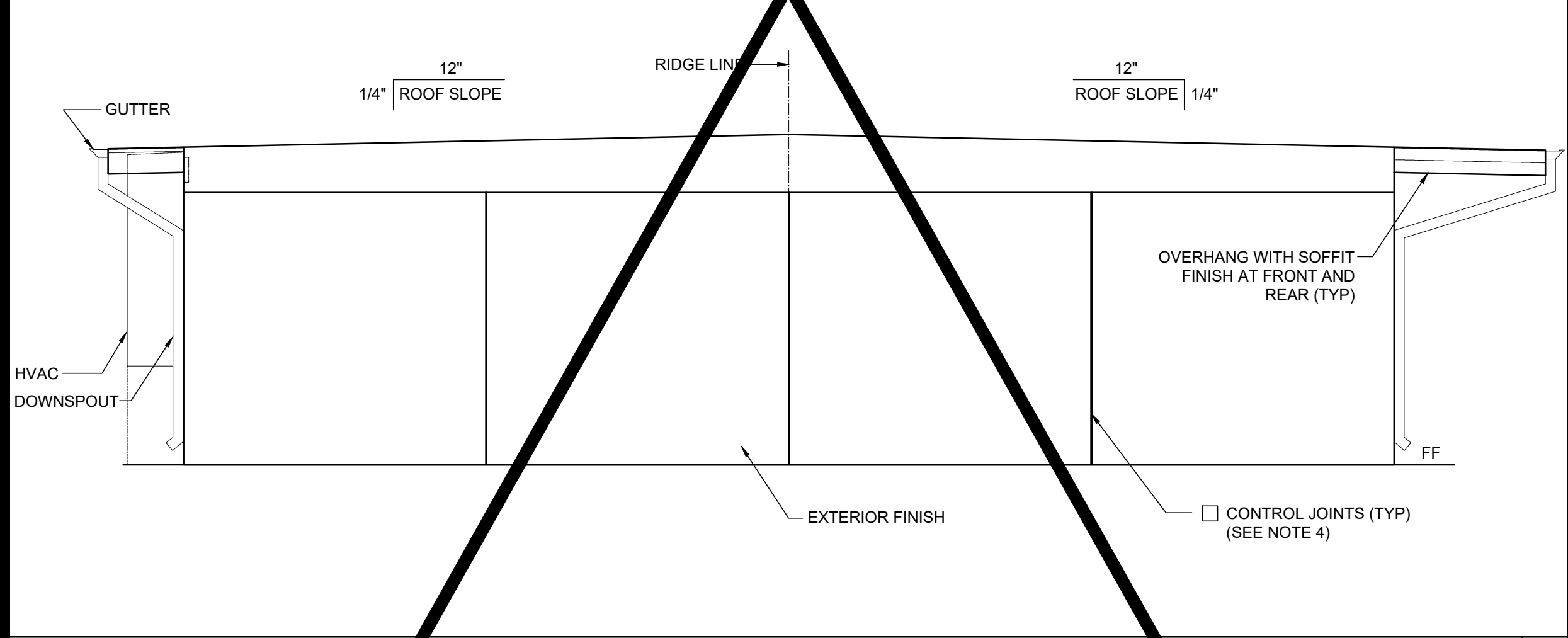
EXTERIOR ELEVATIONS - FRONT - MONO SLOPE SCALE: 1/4" = 1'-0" 1



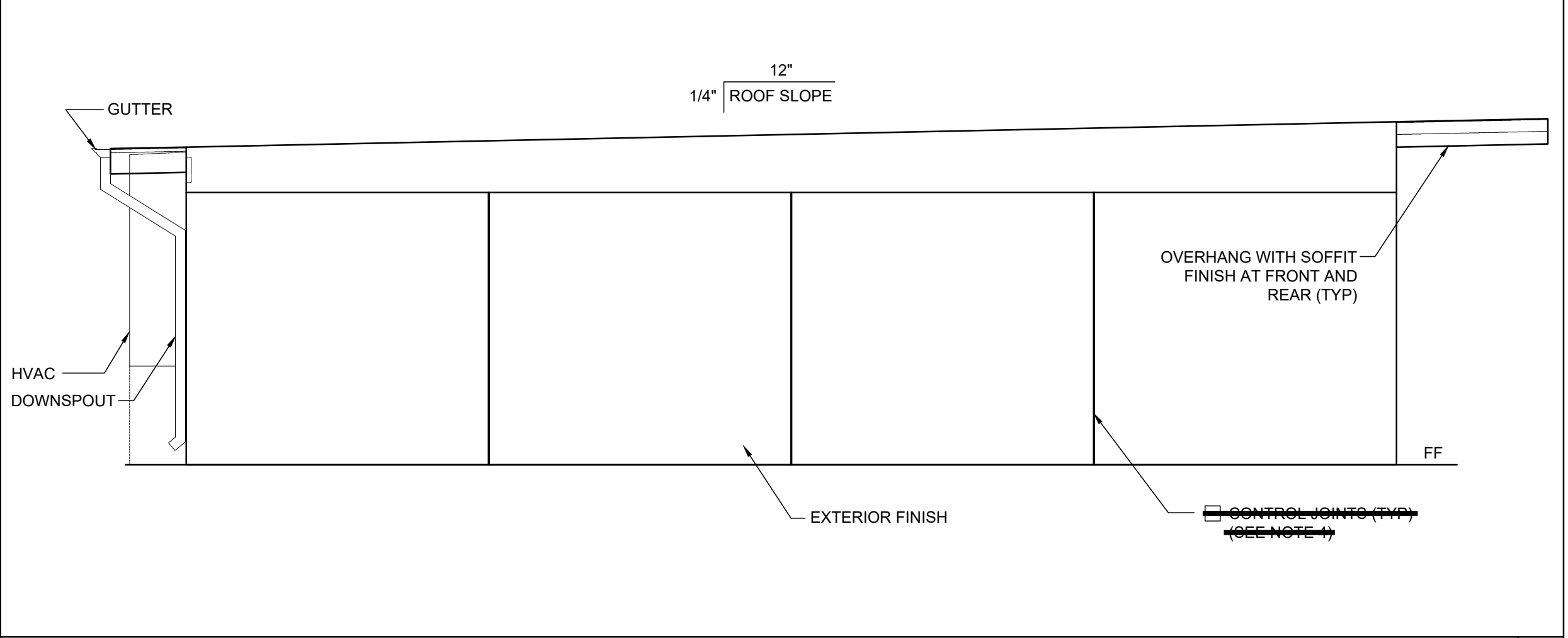
EXTERIOR ELEVATIONS - REAR - DUAL SLOPE SCALE: 1/4" = 1'-0" 6



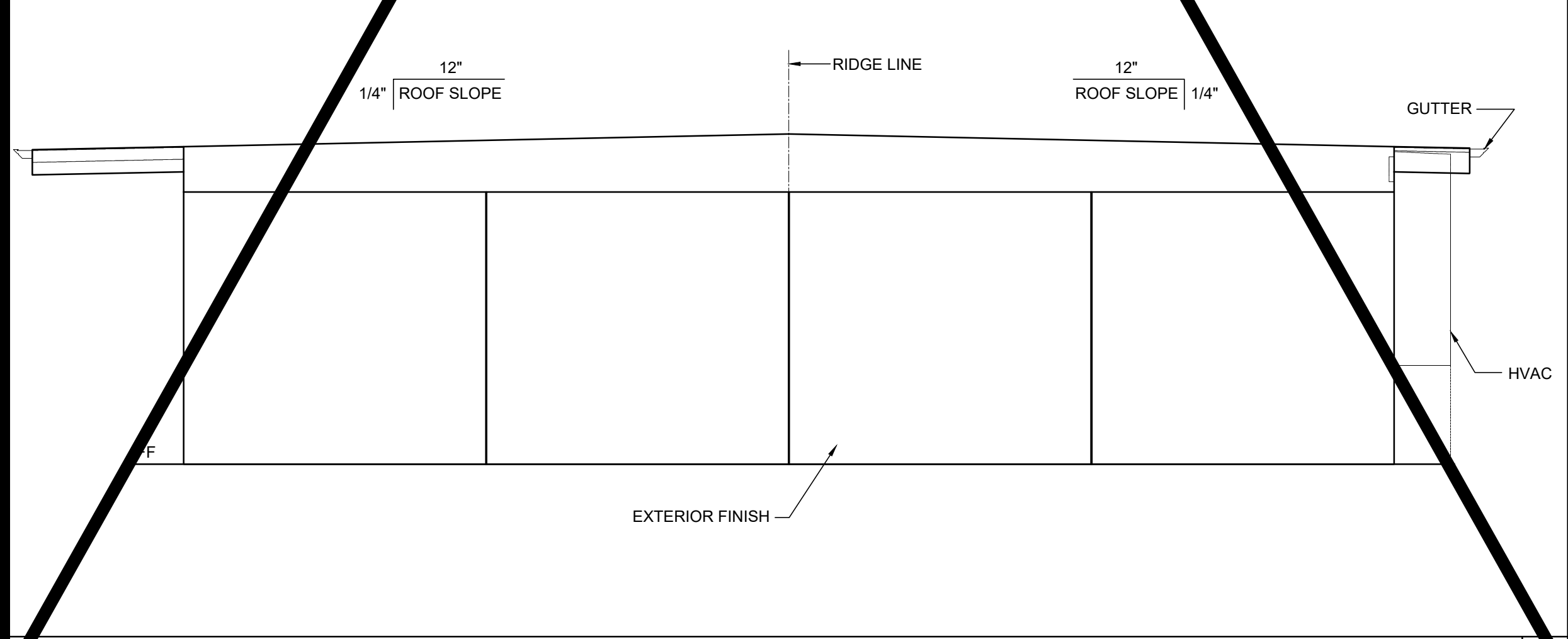
EXTERIOR ELEVATIONS - REAR - MONO SLOPE SCALE: 1/4" = 1'-0" 2



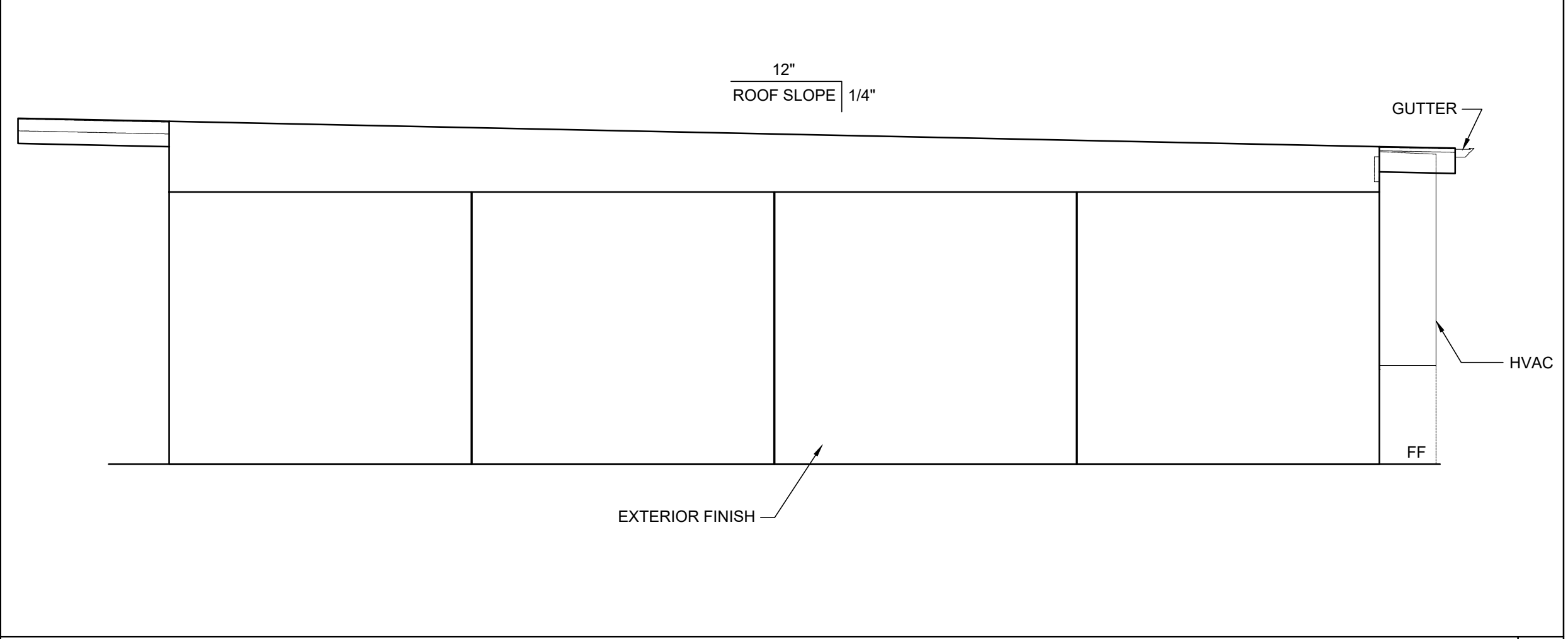
EXTERIOR ELEVATIONS - LEFT - DUAL SLOPE SCALE: 1/4" = 1'-0" 7



EXTERIOR ELEVATIONS - LEFT - MONO SLOPE SCALE: 1/4" = 1'-0" 3



EXTERIOR ELEVATIONS - RIGHT - DUAL SLOPE SCALE: 1/4" = 1'-0" 8



EXTERIOR ELEVATIONS - RIGHT - MONO SLOPE SCALE: 1/4" = 1'-0" 4

- NOTES (EXTERIOR ELEVATION)**
- PROVIDE PROTECTION RAIL AROUND HVAC UNIT(S) IF LOCATED IN A PEDESTRIAN WAY IF THE HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" (NIC). REFERENCE TO DET. # 2/A5.81 FOR WOOD STUDS, # 17/A5.81 FOR STEEL STUDS
 - RAMP (WHERE OCCURS), NOT SHOWN FOR CLARITY.
 - WALL BEYOND HANDRAIL SHALL NOT HAVE ANY SHARP OR ABRASIVE SURFACE ADJACENT TO HANDRAILS. (GRIND SMOOTH ALL METAL RAILING CONNECTIONS - SMOOTH SURFACE TO EXTEND 18" ABOVE HANDRAIL)
 - ~~FOR REAR ONLY, PROVIDE CONTROL JOINT AT EACH MODULE LINE AND BELOW OPENING WHERE FIRE RATED WALLS ARE REQUIRED. MATERIALS AND METHOD OF CONSTRUCTION USED TO PROTECT JOINTS WILL COMPLY WITH CBC SECTION 708.2 AND 709.~~
 - EXTERIOR PROJECTIONS SHALL COMPLY W/ SECTION 705 AND 1406, 2022 CBC
 - PROVIDE AN OFFSET RAMP (PER SHEET R-1.02) WHEN A RAMP IS REQUIRED ADJACENT TO A STUCCO WALL AND/OR FIRE RESISTANCE RATED EXTERIOR WALL.

DETAIL SCHEDULE

FINISH:	SHEET #:
<input checked="" type="checkbox"/> SIDING OVER WOOD STUDS	A-5.50
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.61
<input type="checkbox"/> SIDING OVER STEEL STUDS	A-5.60
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
<input type="checkbox"/> 1 HOUR - SIDING OVER WOOD STUDS	A-5.53
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
<input type="checkbox"/> 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122154 INC.
REVIEWED FOR
SS FLS ACS
DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.
ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS

SHEET TITLE:
EXTERIOR ELEVATION
24' X 40'
MONO / DUAL SLOPE

REVISIONS

NO.	DESCRIPTION
1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-121999 INC.
REVIEWED FOR
SS FLS ACS
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO. _____
DRAWN BY: _____
SCALE: AS NOTED
DATE: 02-27-2023
P.C. SHEET NUMBER

A-4.01

DETAIL SCHEDULE

FINISH:	SHEET #:
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<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
<input type="checkbox"/> SIDING OVER STEEL STUDS	A-5.60
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FINISH:	SHEET #:
<input type="checkbox"/> 1 HOUR - SIDING OVER WOOD STUDS	A-5.50
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
<input type="checkbox"/> 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

FLOOR OPTION

<input checked="" type="checkbox"/> WOOD FLOOR
<input type="checkbox"/> CONCRETE FLOOR

NOTES

SEALANTS AND CAULKING:
 GENERAL: FURNISH AND INSTALL ALL SEALANTS AND CAULKING AS REQUIRED TO PROVIDE A WEATHERTIGHT BUILDING AND TO LIMIT AIR LEAKAGE.
 MATERIALS: SEALANT SHALL BE AN ACRYLIC LATEX OR SILICONE CAULKING.
 APPLICATIONS: AT JOINTS WHERE SHOWN, APPLY SEALANT AS FOLLOWS - JOINTS SHALL BE CLEAN, DRY, AND FREE FROM DUST, WAX, AND FOREIGN MATERIALS. SEALANT SHALL BE APPLIED WITH A GUN IN A STRICT COMPLIANCE WITH MANUFACTURER'S DIRECTIONS. COMPLETELY FILL THE JOINT AND FIRMLY TOOL AGAINST THE BACKING, MAKING A SMOOTH CONVEX BEAD.
 COLOR: COLOR OF MATERIAL SHALL MATCH THAT OF ADJACENT FINISHED SURFACES.
 ALL EXTERIOR JOINTS, PENETRATIONS AND OTHER OPENINGS SHALL BE CAULKED, GASKETED, WEATHER-STRIPPED OR OTHERWISE SEALED.

IDENTIFICATION STAMP
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 DATE: 3/5/2024

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PROJECT NAME:
**SYLVAN USD
 CROSSROADS E.S.
 (2) 24' x 40'
 CLASSROOM BUILDINGS**

SHEET TITLE:
**CROSS SECTION
 MONO SLOPE**

REVISIONS

1	
2	
3	
4	
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PC STATE AGENCY APPROVAL



Silver Creek
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 PHONE: 951-943-5393 FAX: 951-943-2211

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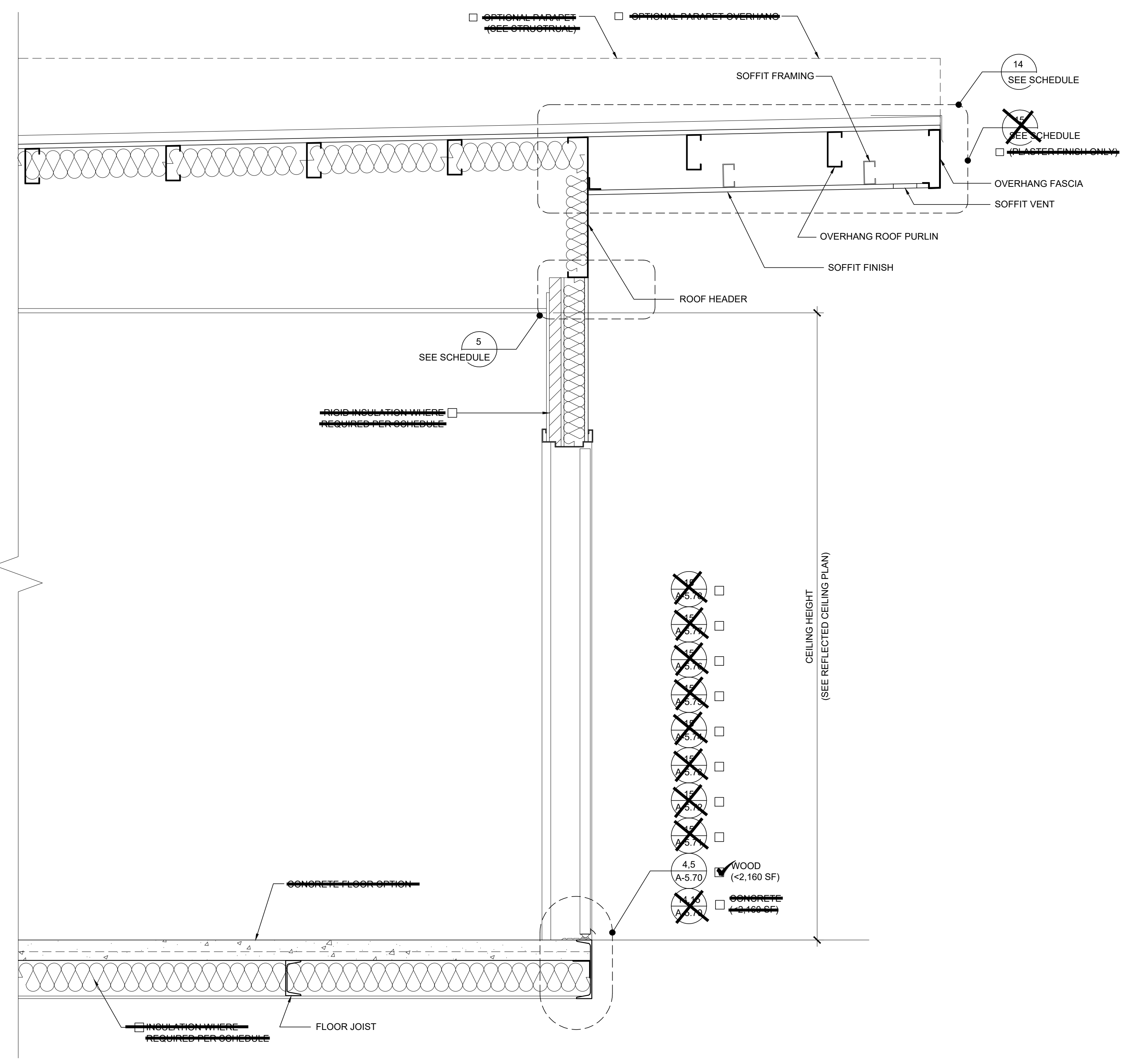
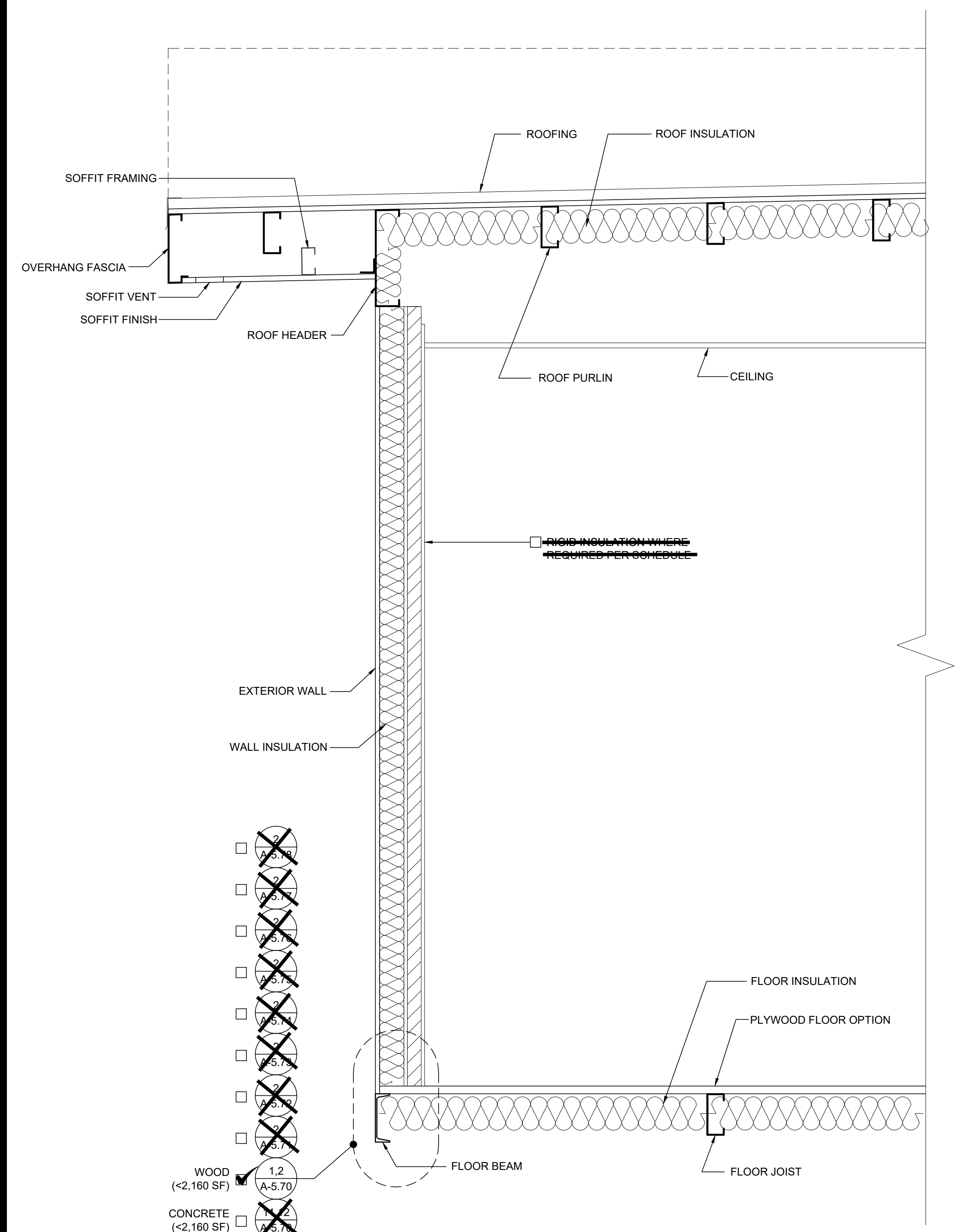


REGISTERED PROFESSIONAL ENGINEER
 JOHN W. STARLING
 STRUCTURAL
 STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
 24' x 40' PC

PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 02-27-2023

P.C. SHEET NUMBER
A-5.01



BUILDING SECTION

SCALE: 1" = 1'-0" 1

DETAIL SCHEDULE

FINISH:	SHEET #:
<input checked="" type="checkbox"/> SIDING OVER WOOD STUDS	A-5.50
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
<input type="checkbox"/> SIDING OVER STEEL STUDS	A-5.60
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

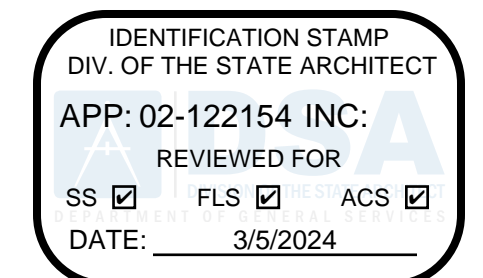
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<input type="checkbox"/> 1 HOUR - SIDING OVER WOOD STUDS	A-5.50
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
<input type="checkbox"/> 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

FLOOR OPTION

<input checked="" type="checkbox"/> WOOD FLOOR
<input type="checkbox"/> CONCRETE FLOOR

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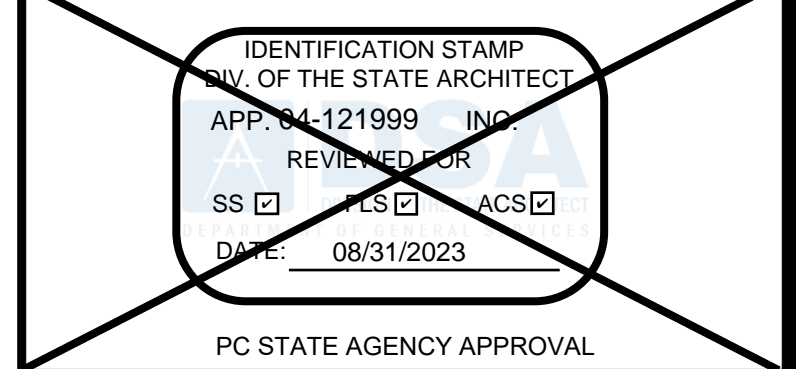
PROJECT NAME:
**SYLVAN USD
 CROSSROADS E.S.
 (2) 24' x 40'
 CLASSROOM BUILDINGS**

SHEET TITLE:
CROSS SECTION

REVISIONS

1	
2	
3	
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PC STATE AGENCY APPROVAL

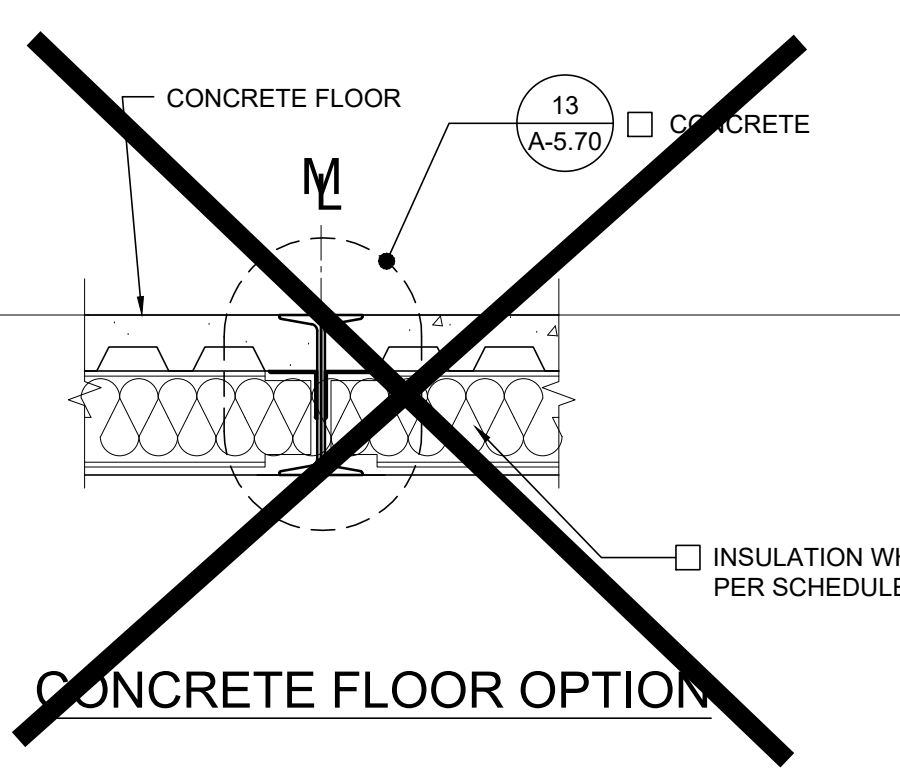
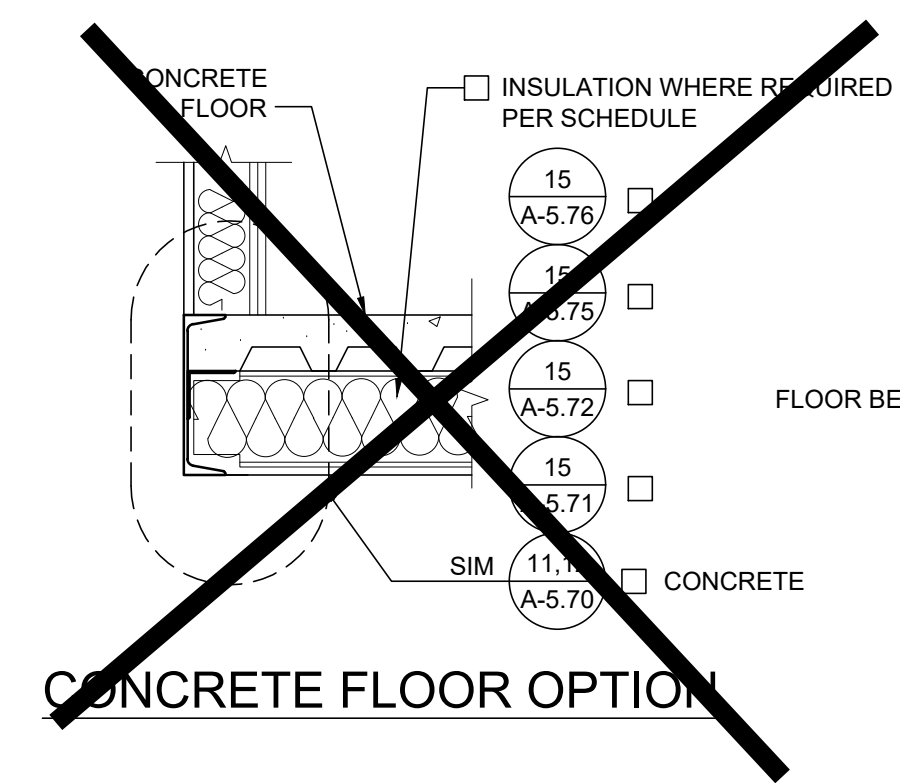
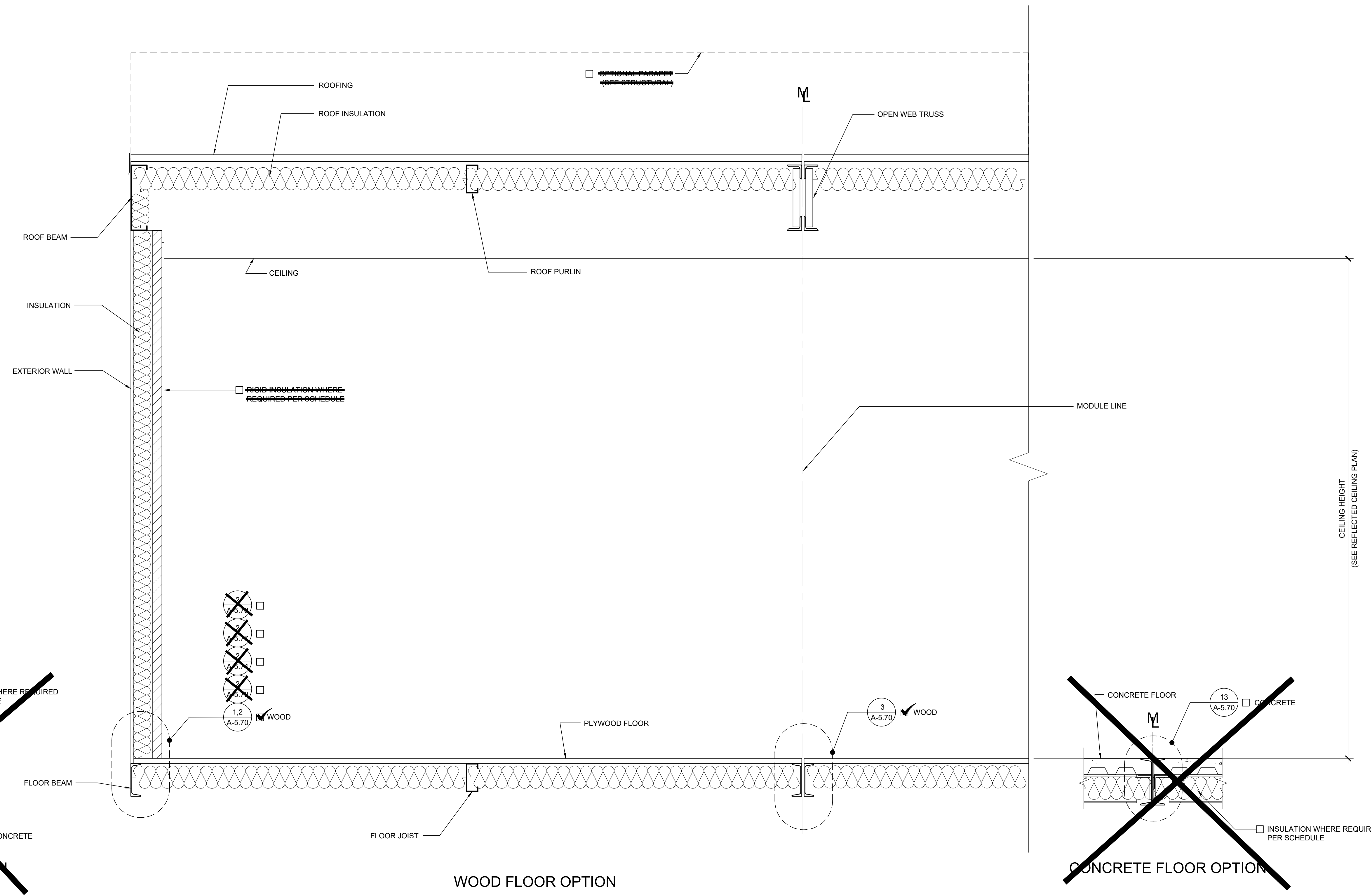
Silver Creek
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

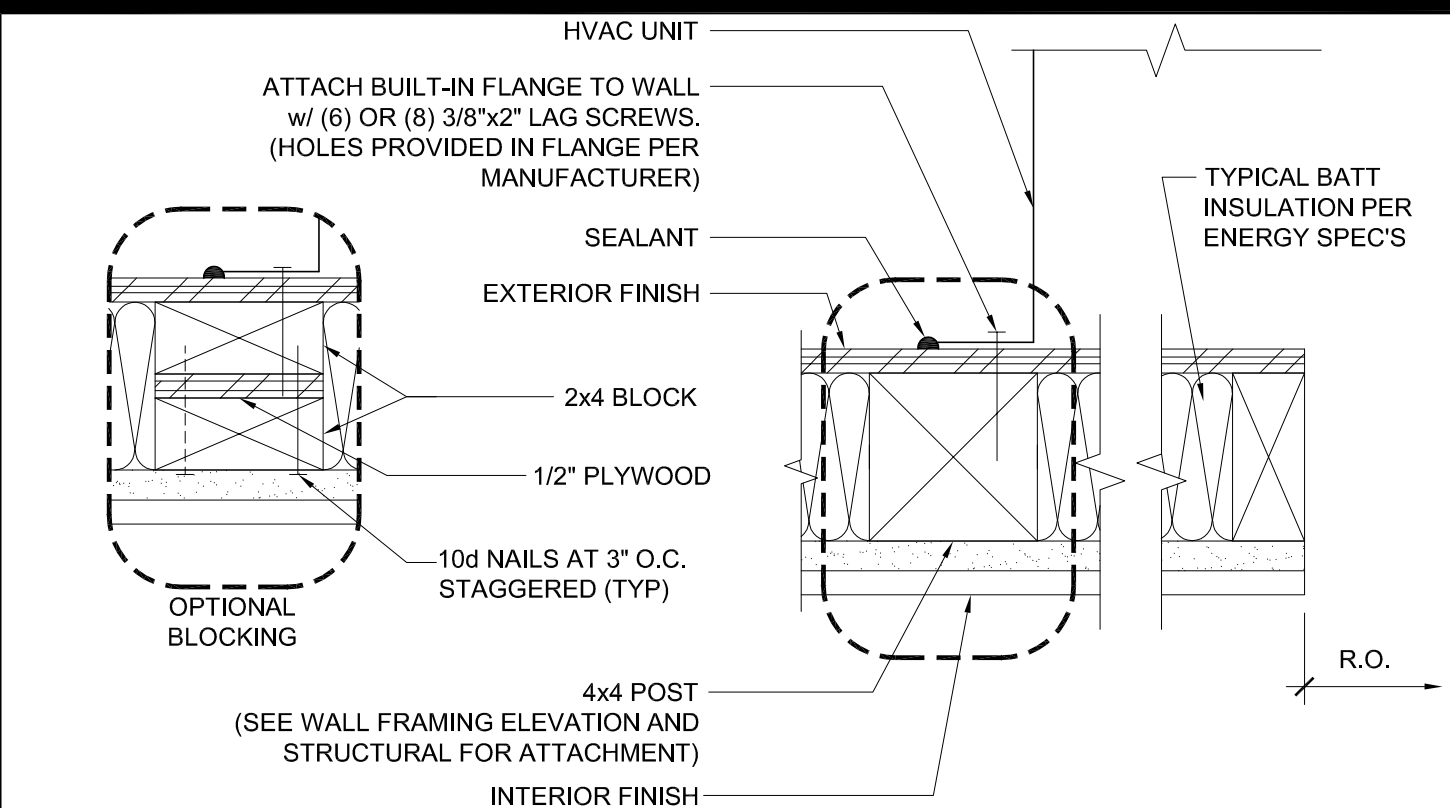
MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
 24' x 40' PC

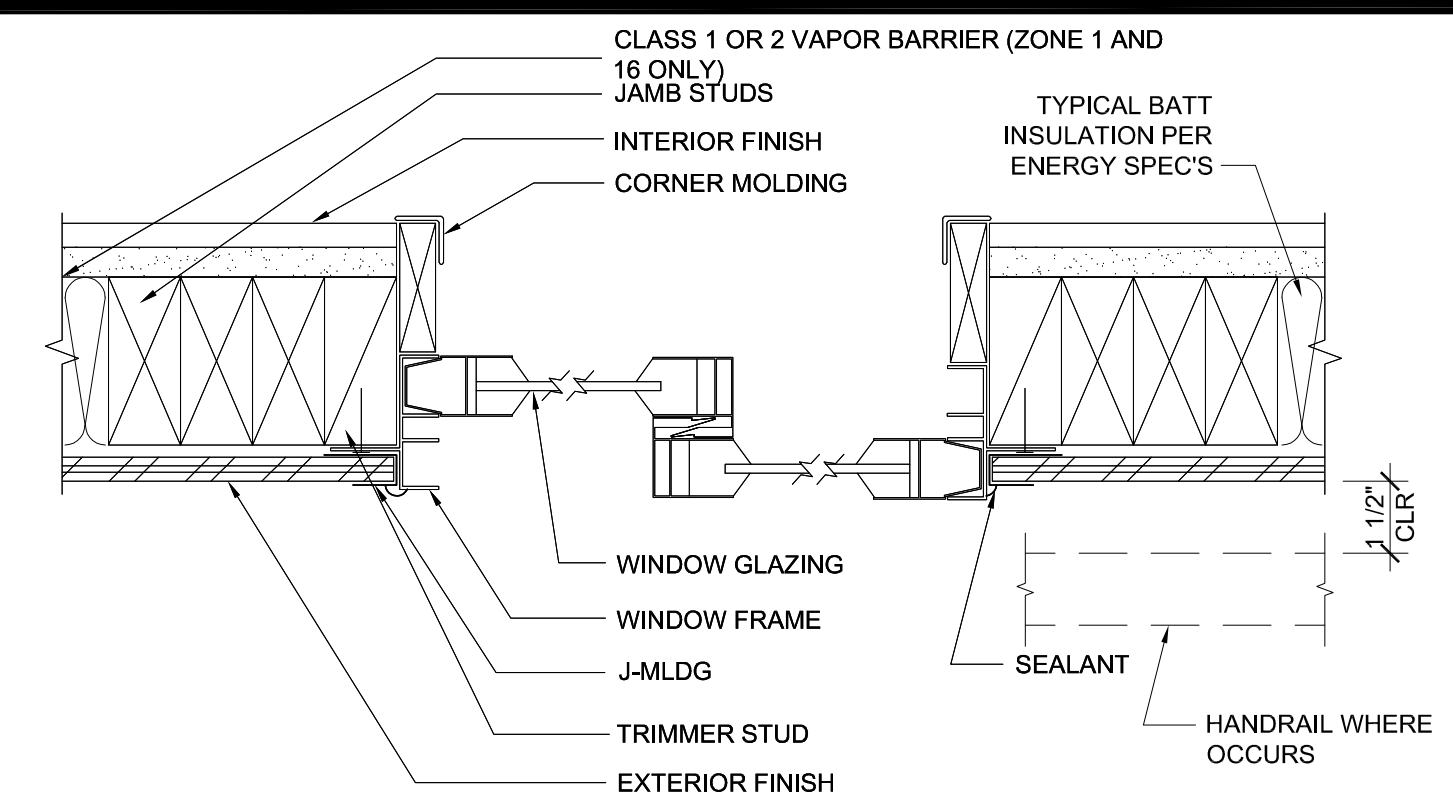
PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 02-27-2023

P.C. SHEET NUMBER
A-5.05

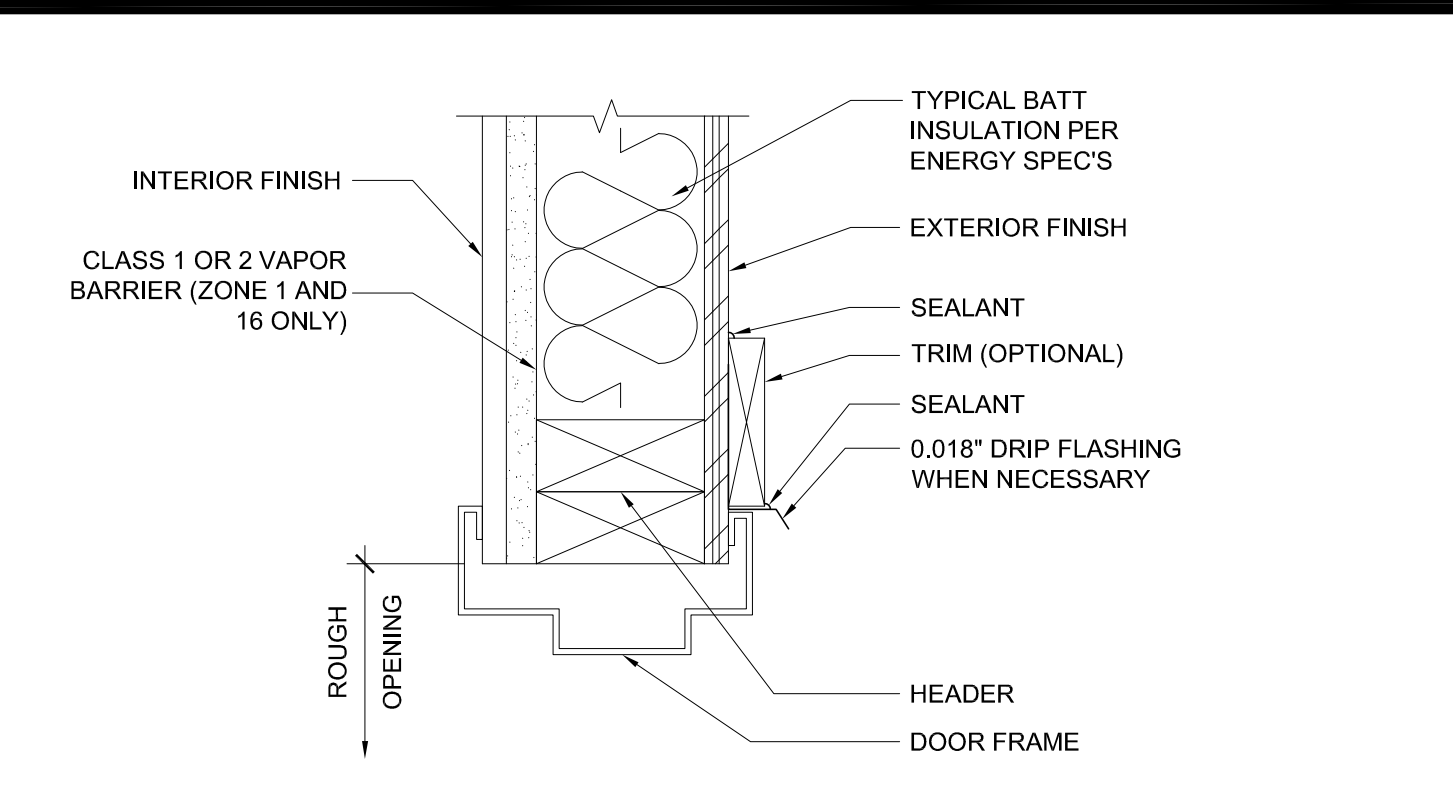




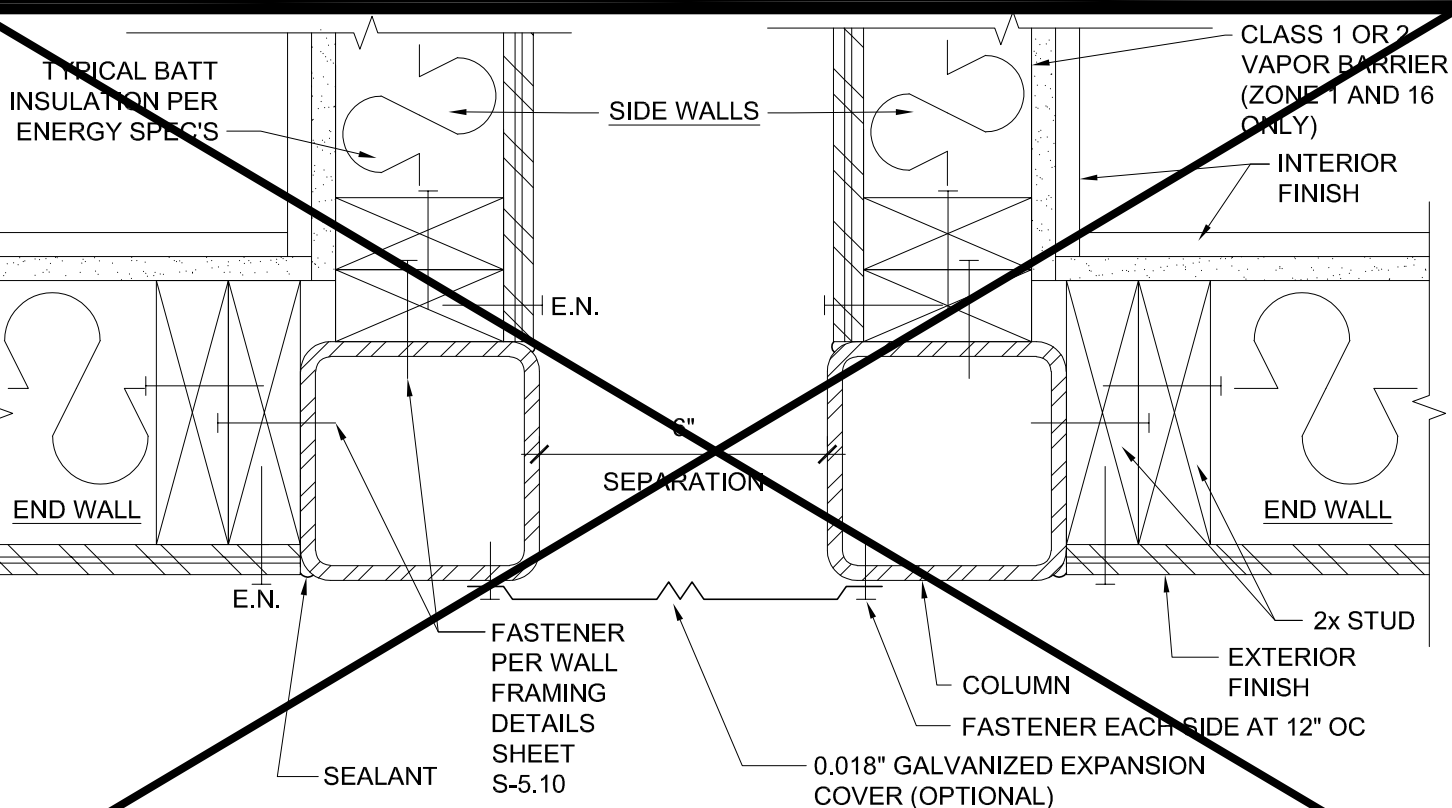
HVAC MOUNT AT JAMBS SCALE: 3"=1'-0" 16



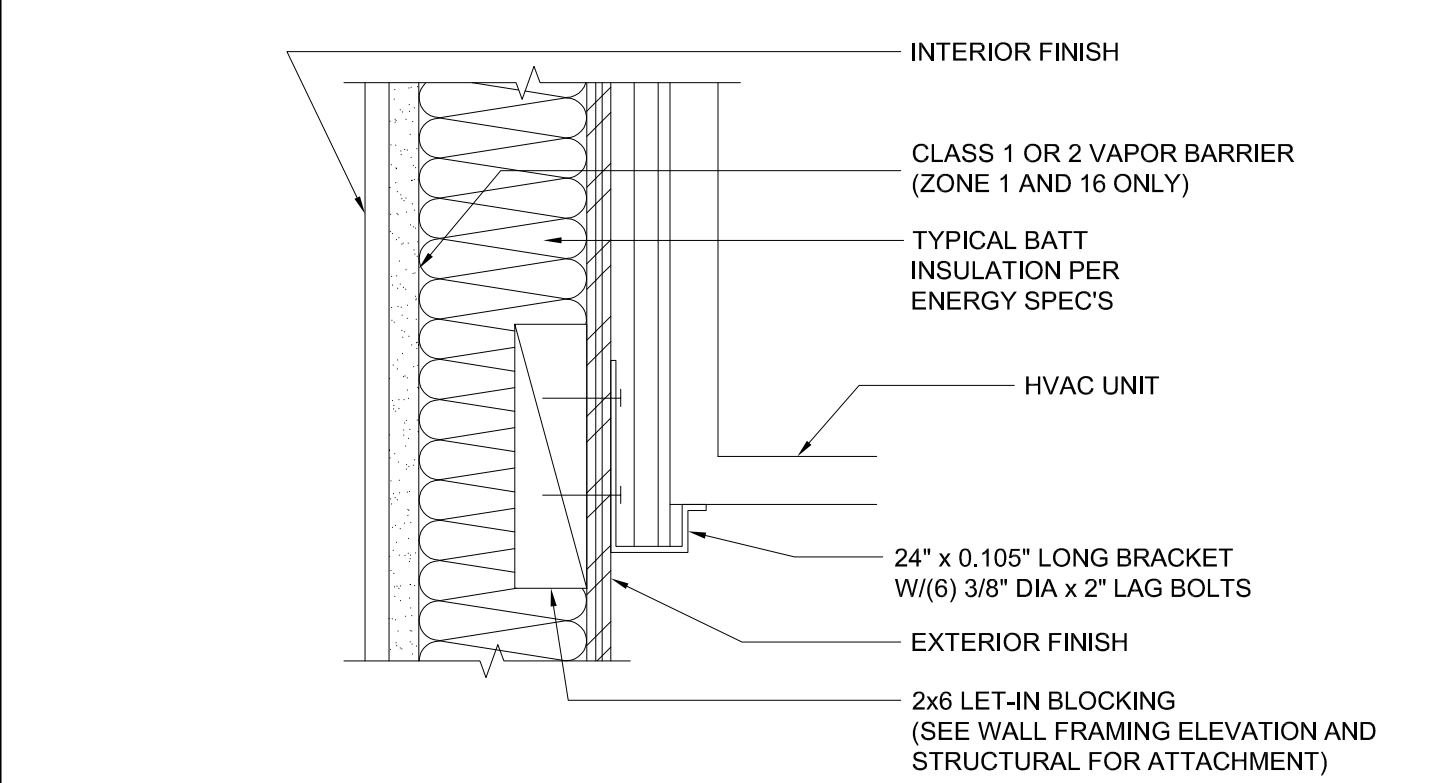
WINDOW SECTION AT JAMBS SCALE: 3"=1'-0" 11



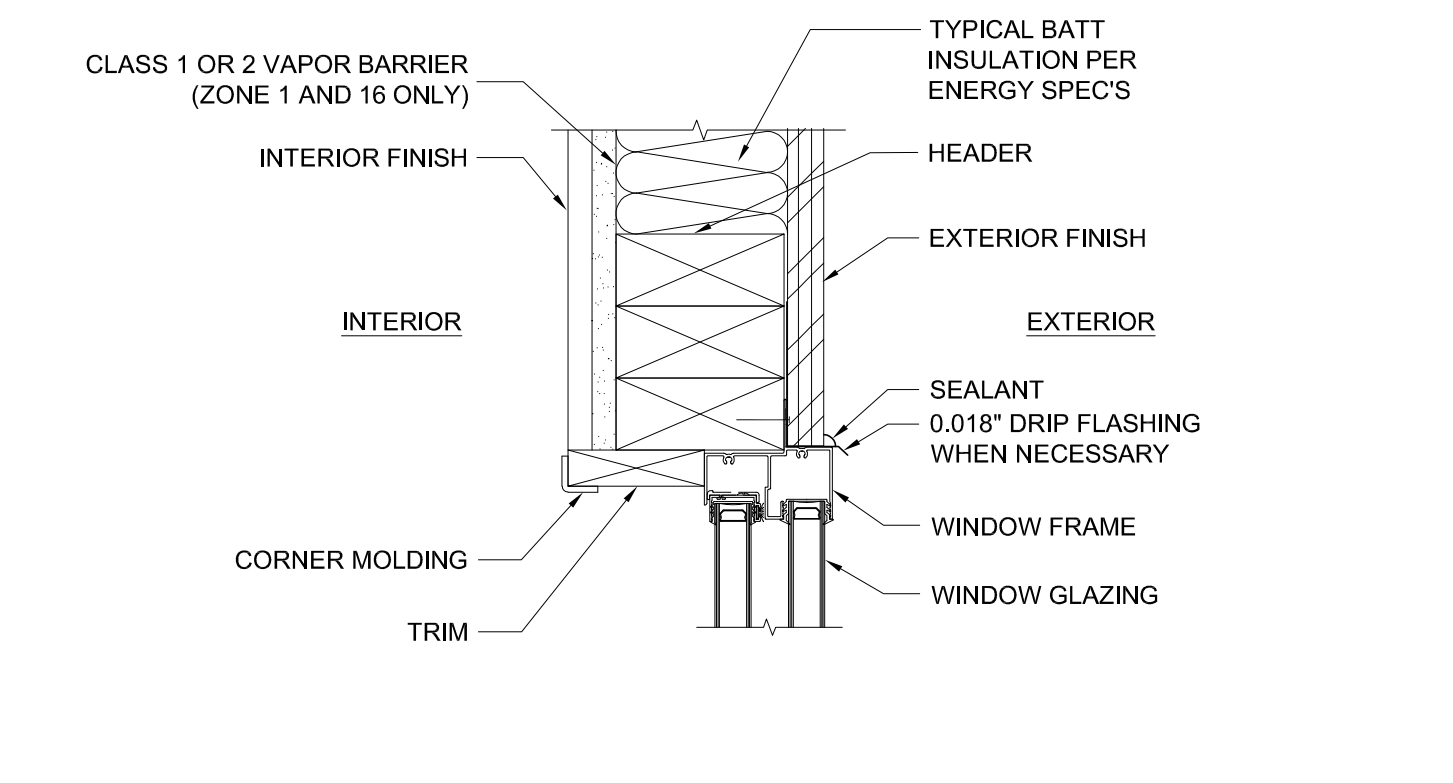
EXTERIOR DOOR HEADER SCALE: 3"=1'-0" 6



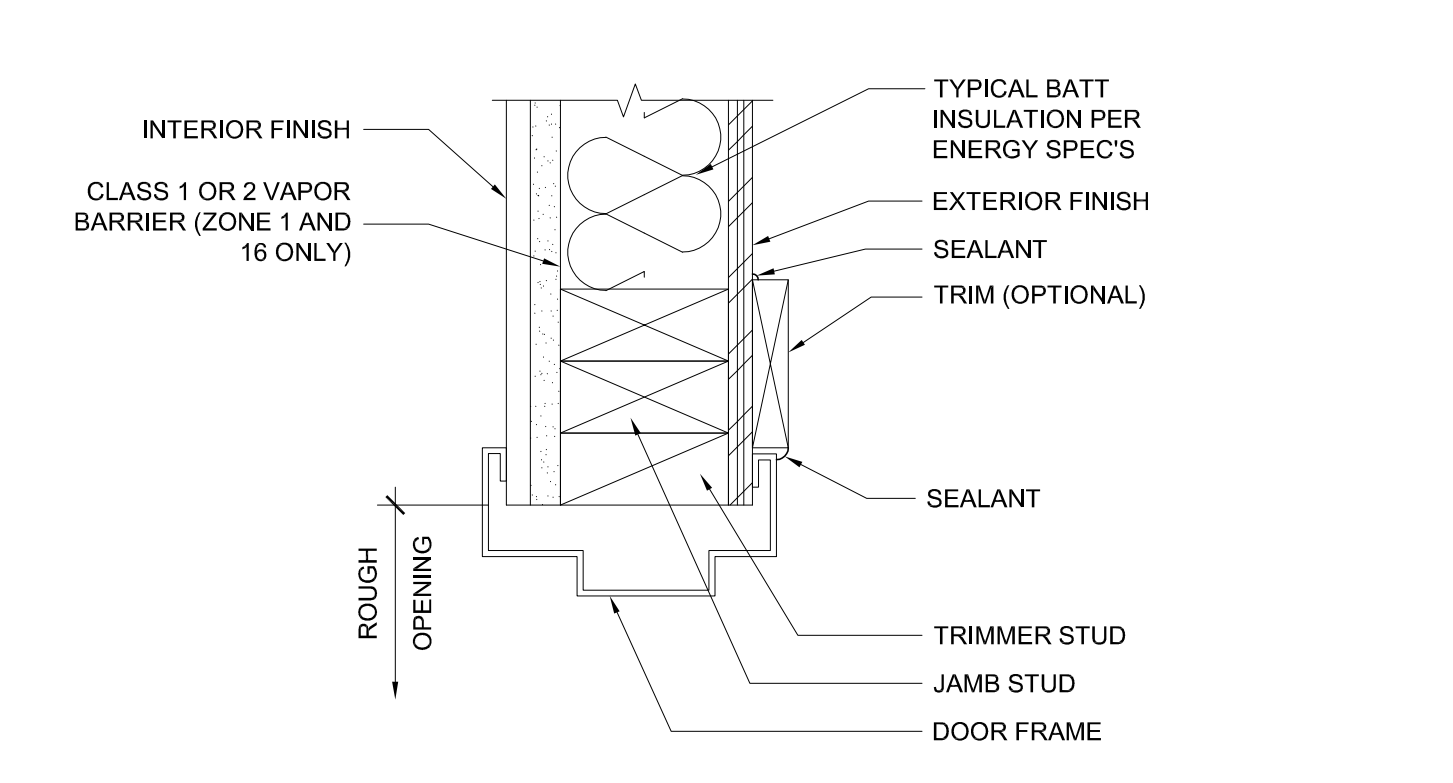
CLOSURE BETWEEN BUILDINGS SCALE: 3"=1'-0" 1



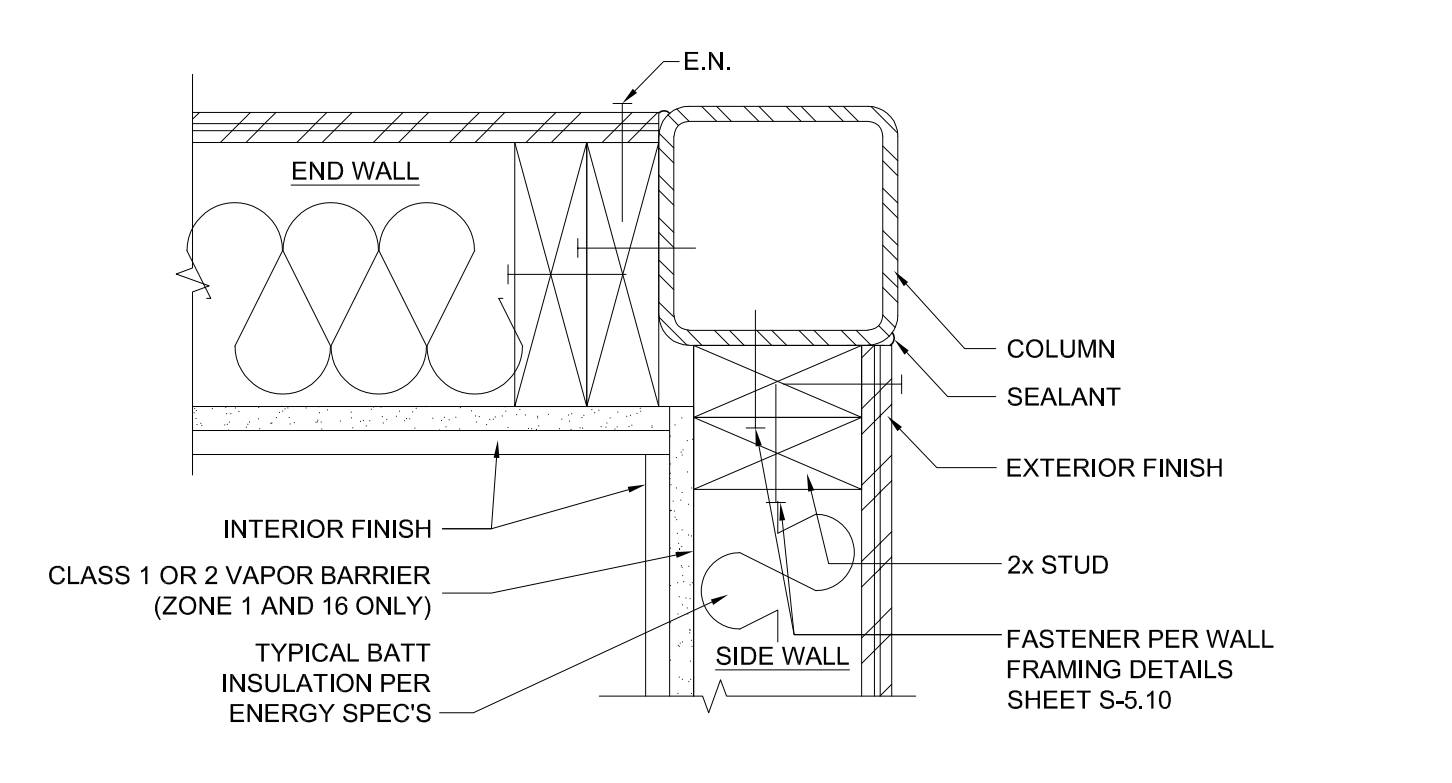
HVAC UNIT AT BOTTOM SCALE: 3"=1'-0" 17



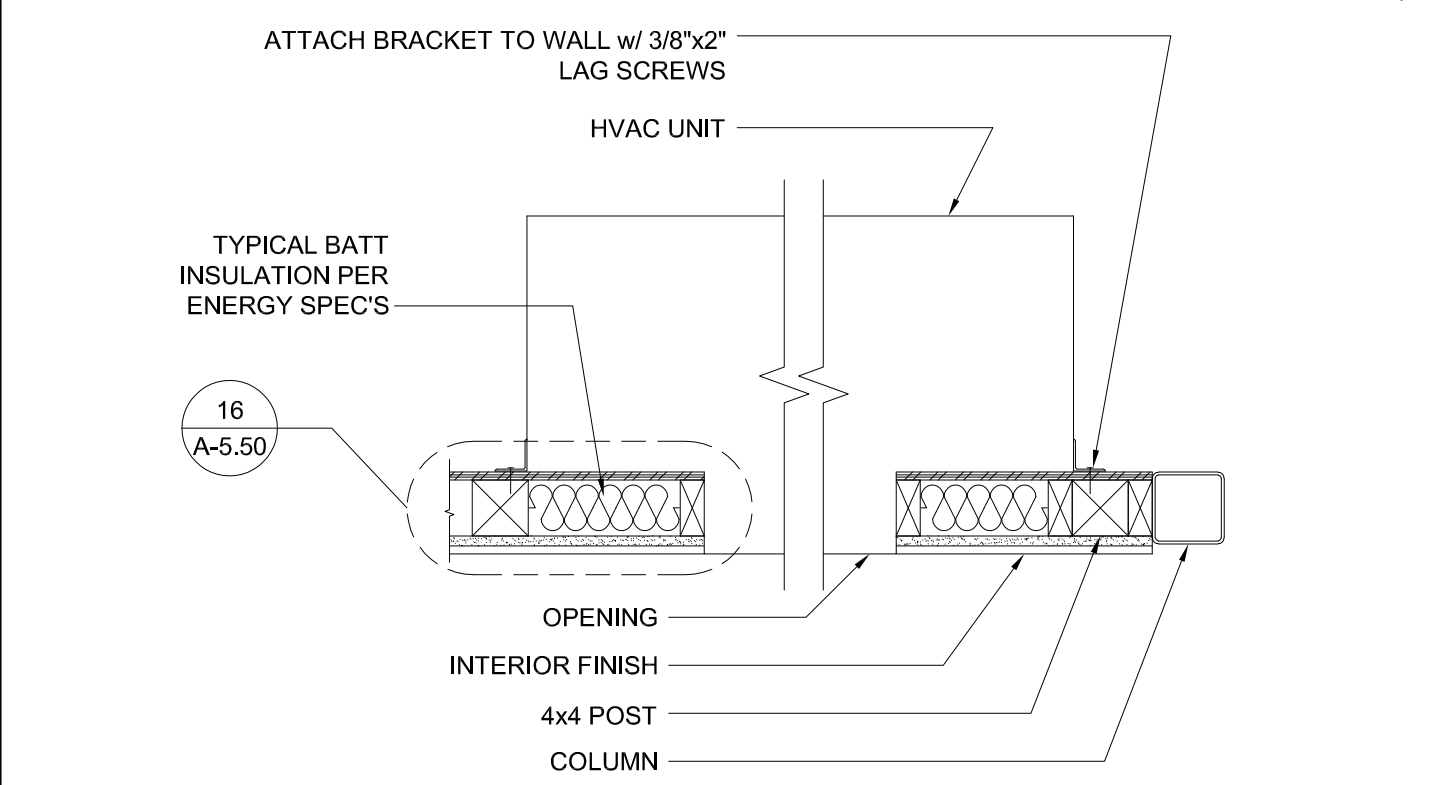
WINDOW HEADER SCALE: 3"=1'-0" 12



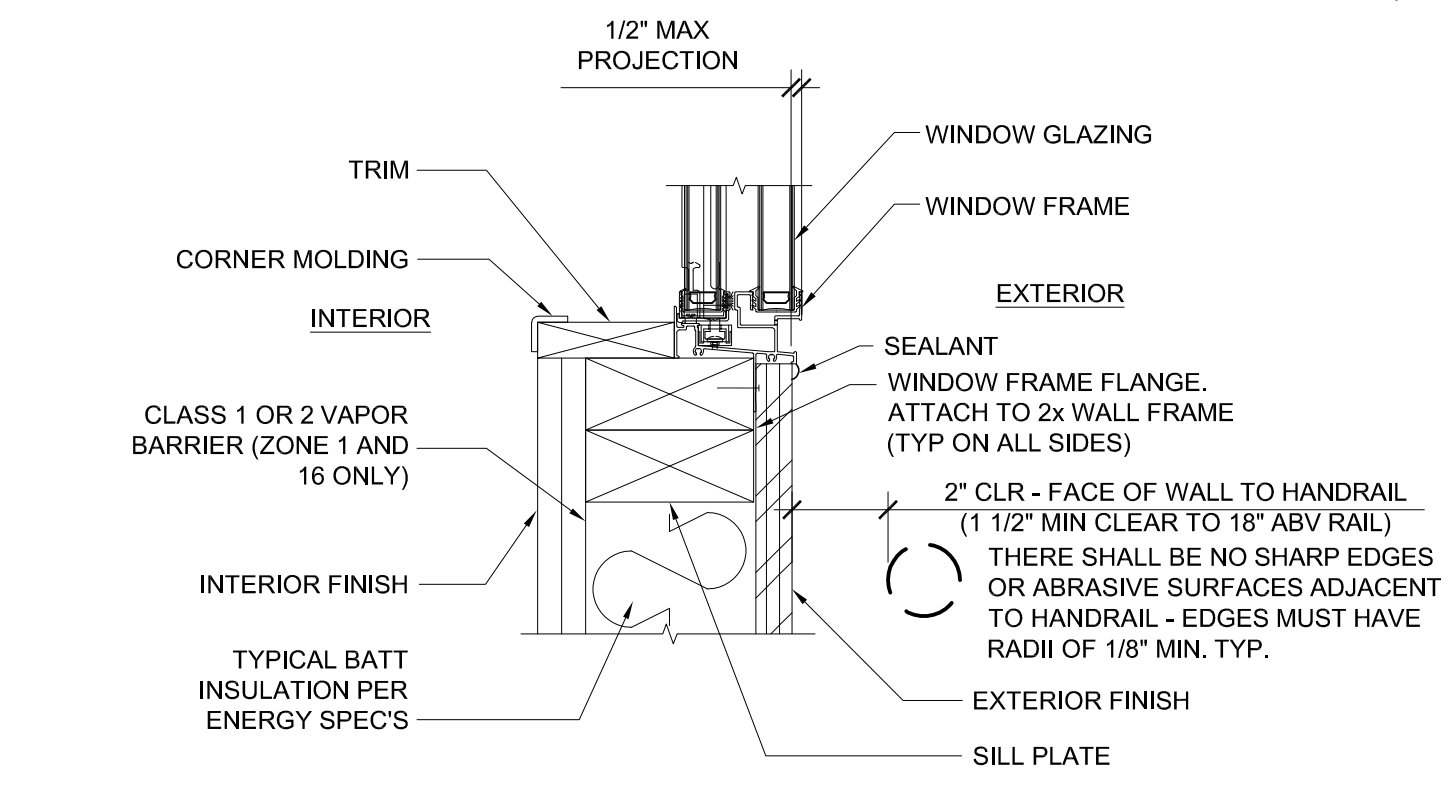
EXTERIOR DOOR JAMB SCALE: 3"=1'-0" 7



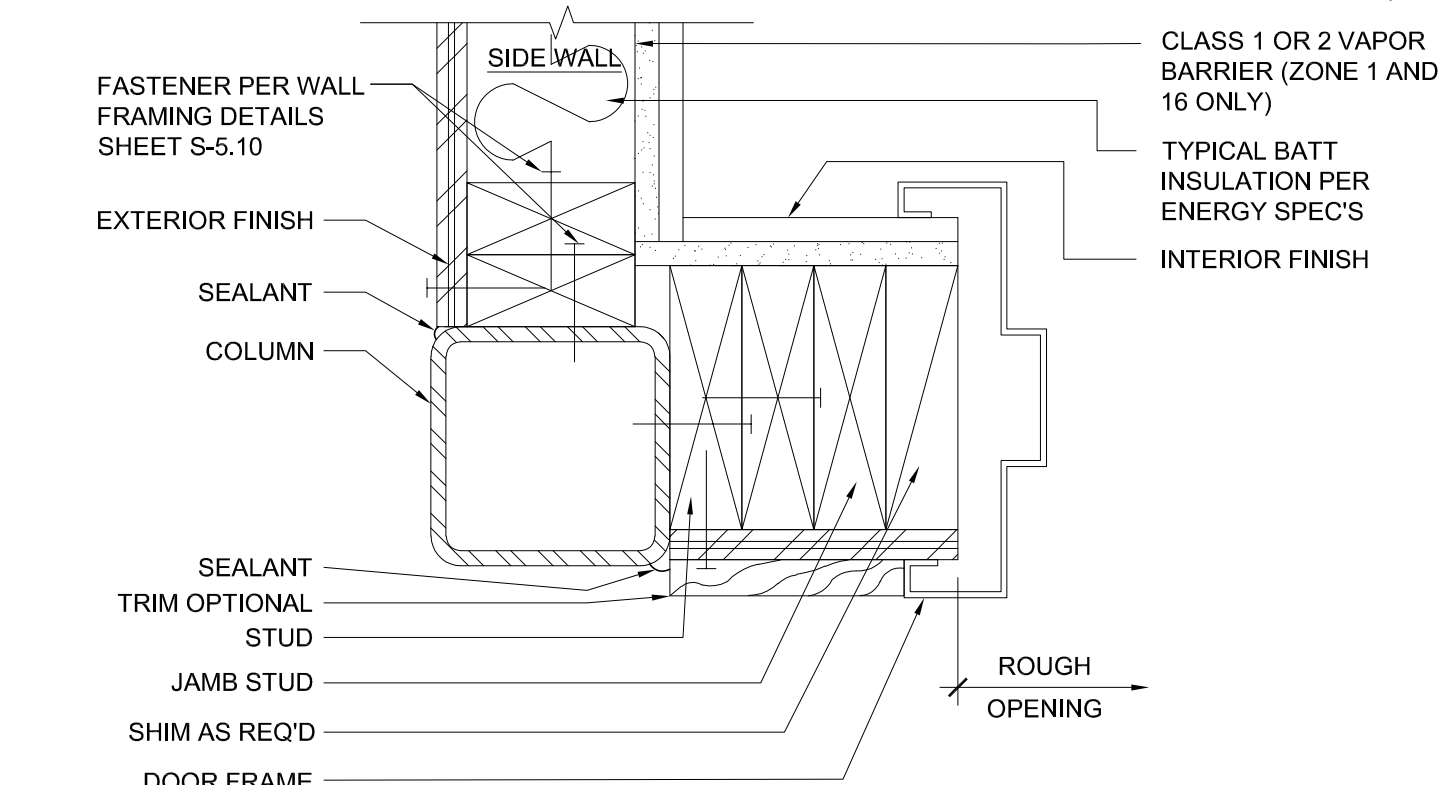
COLUMN AT CORNER SCALE: 3"=1'-0" 2



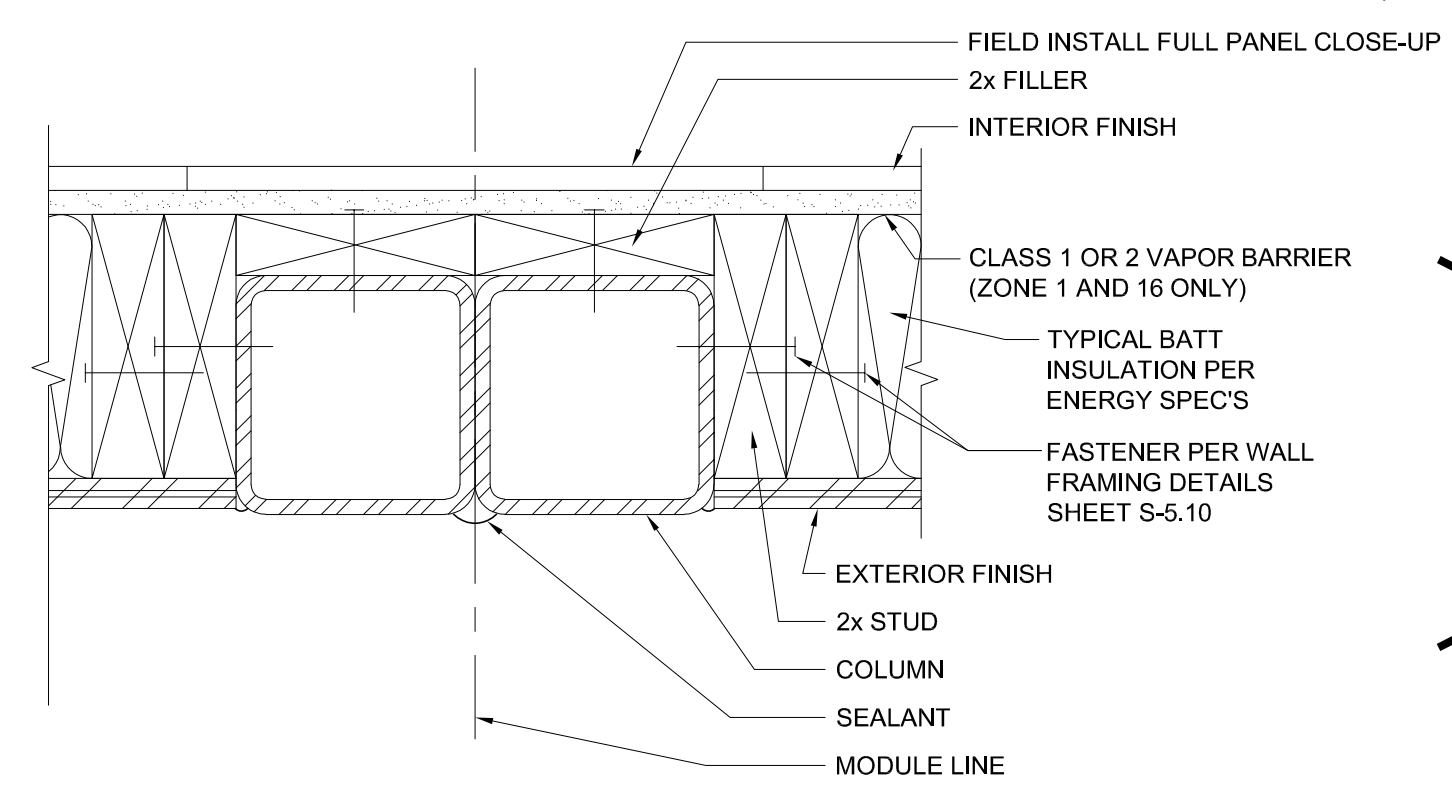
HVAC UNIT (PLAN) SCALE: 1"=1'-0" 18



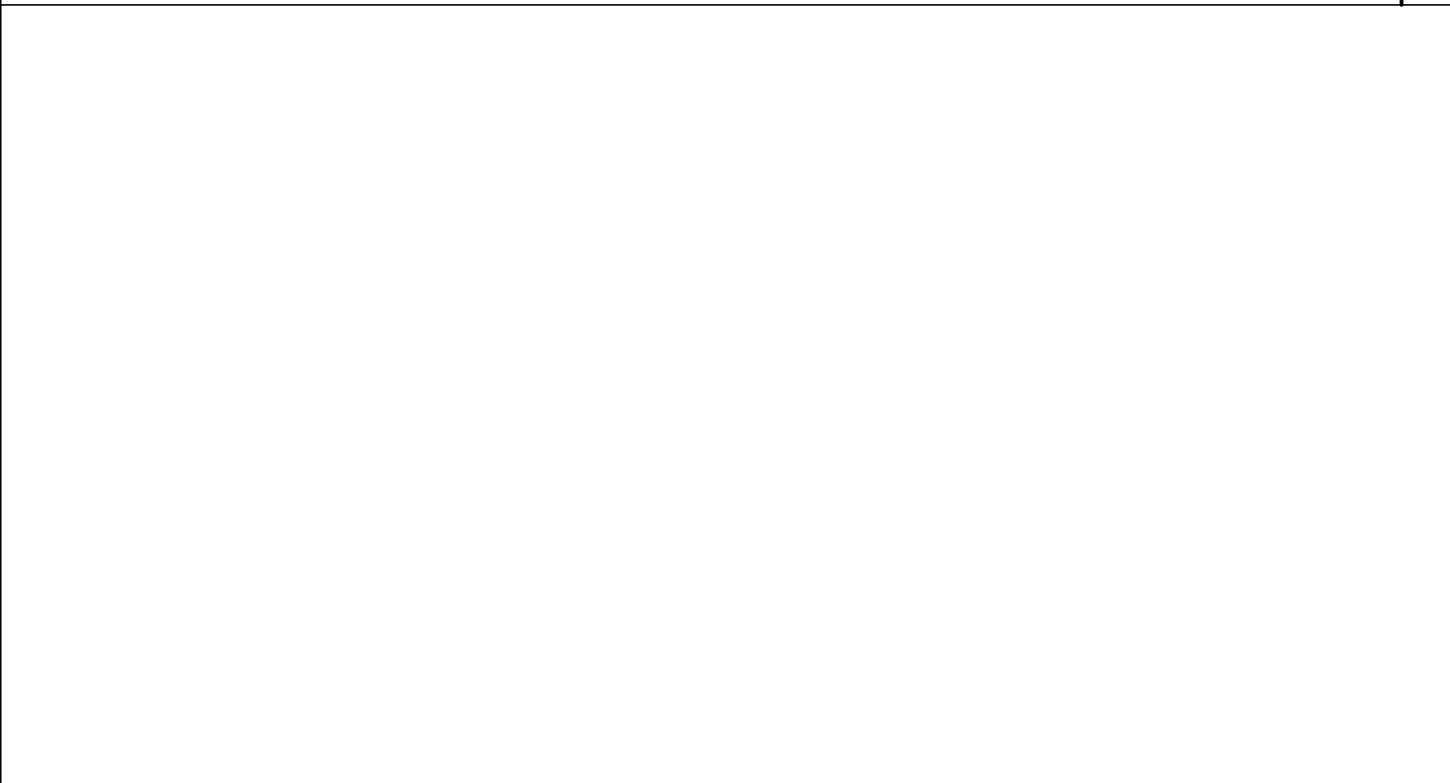
WINDOW SILL SCALE: 3"=1'-0" 13



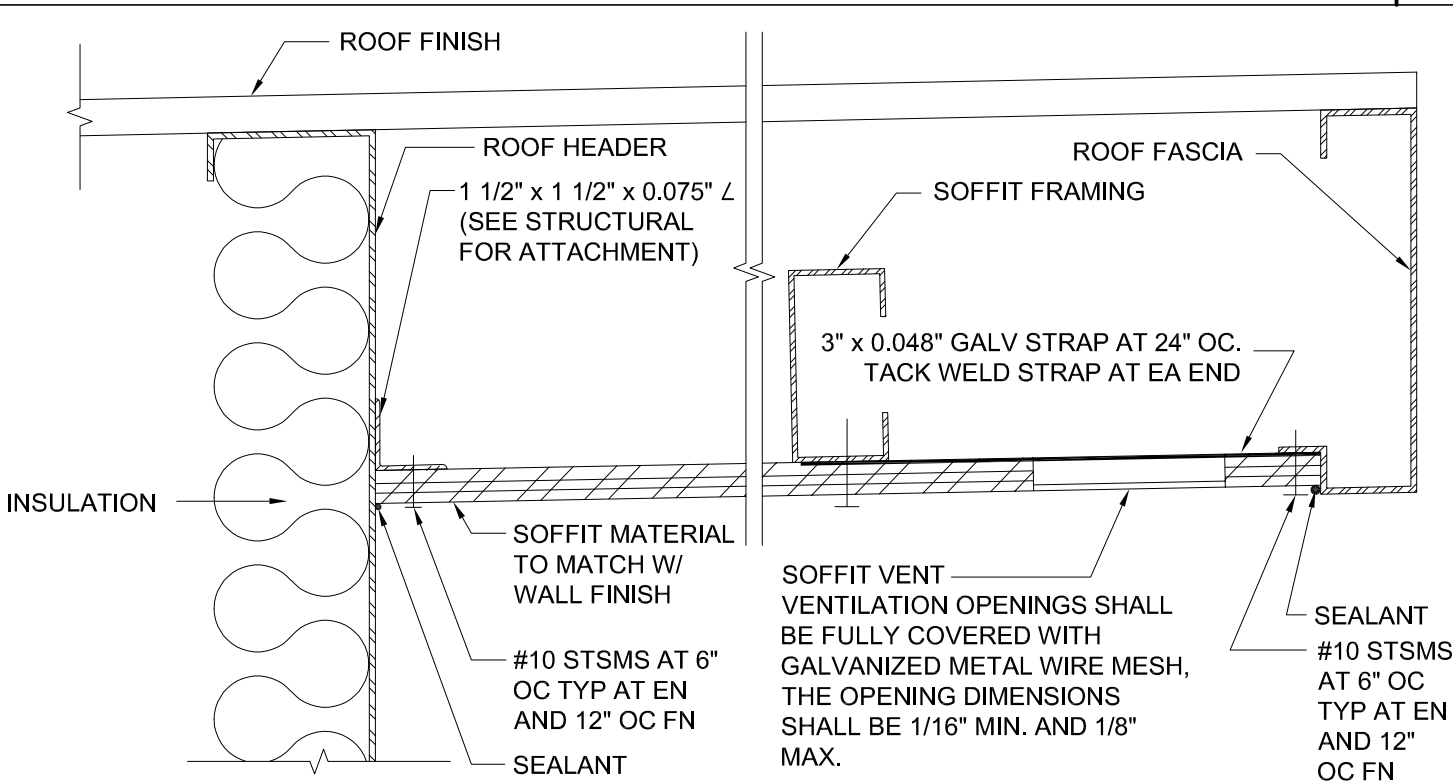
COLUMN AT CORNER SCALE: 3"=1'-0" 8



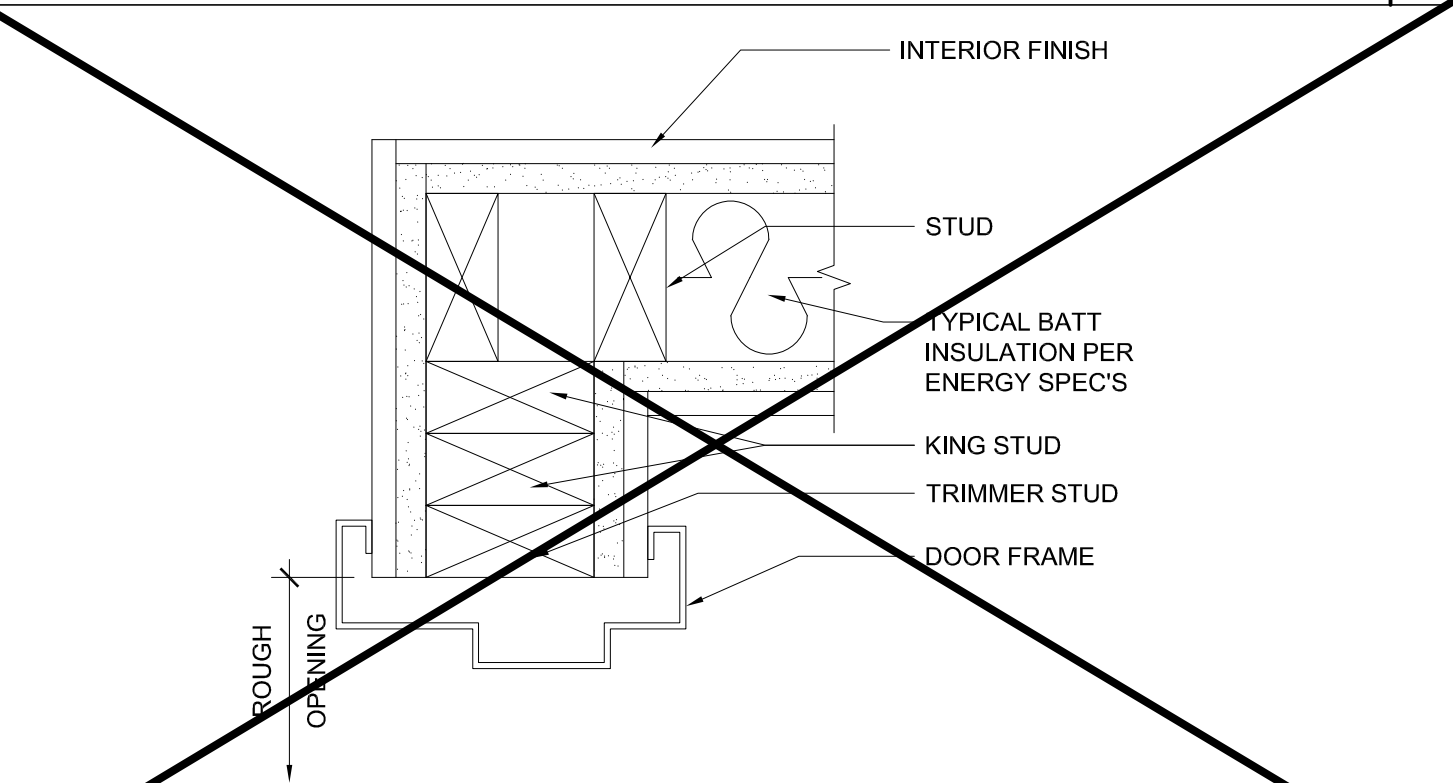
COLUMN AT MODULE LINE (FULL PANEL CLOSE-UP) SCALE: 3"=1'-0" 3



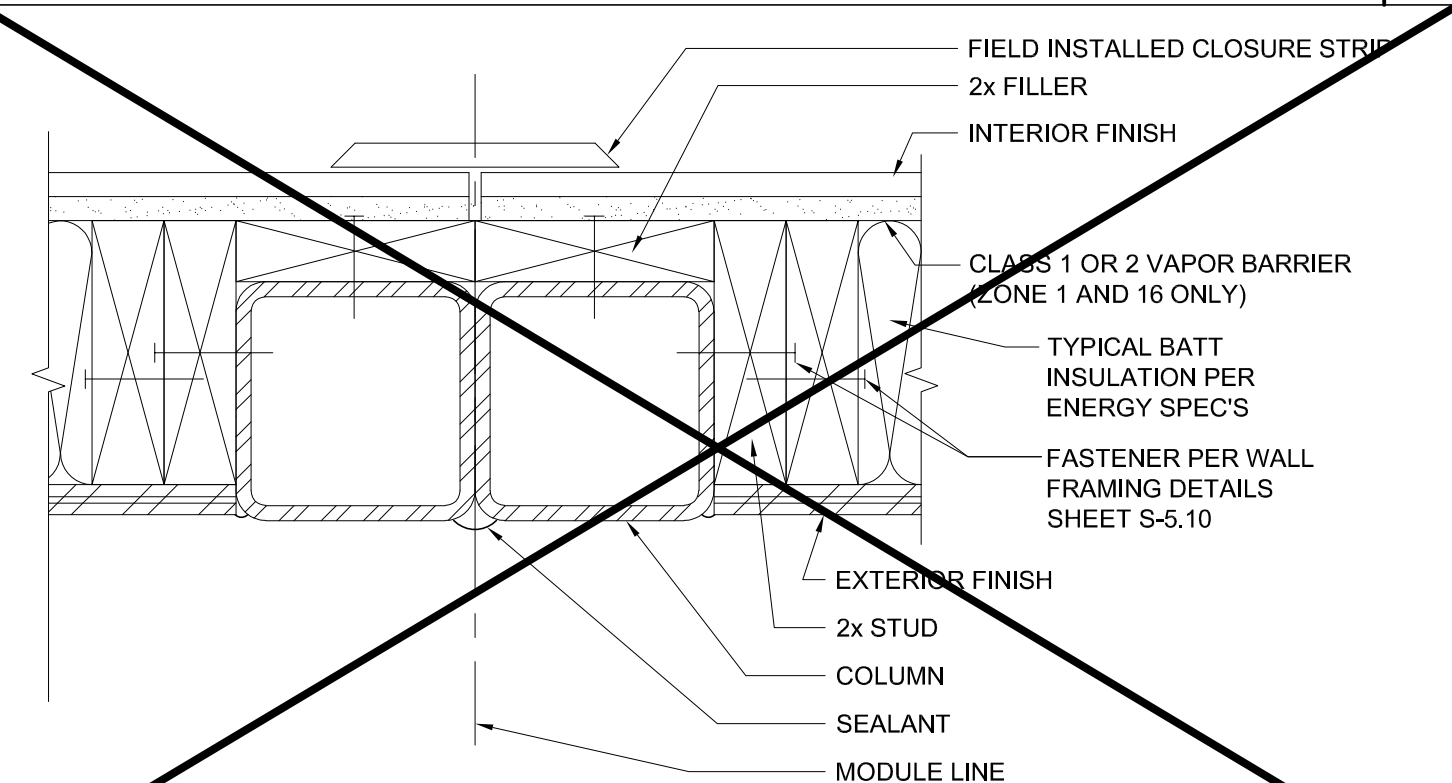
NOT USED 19



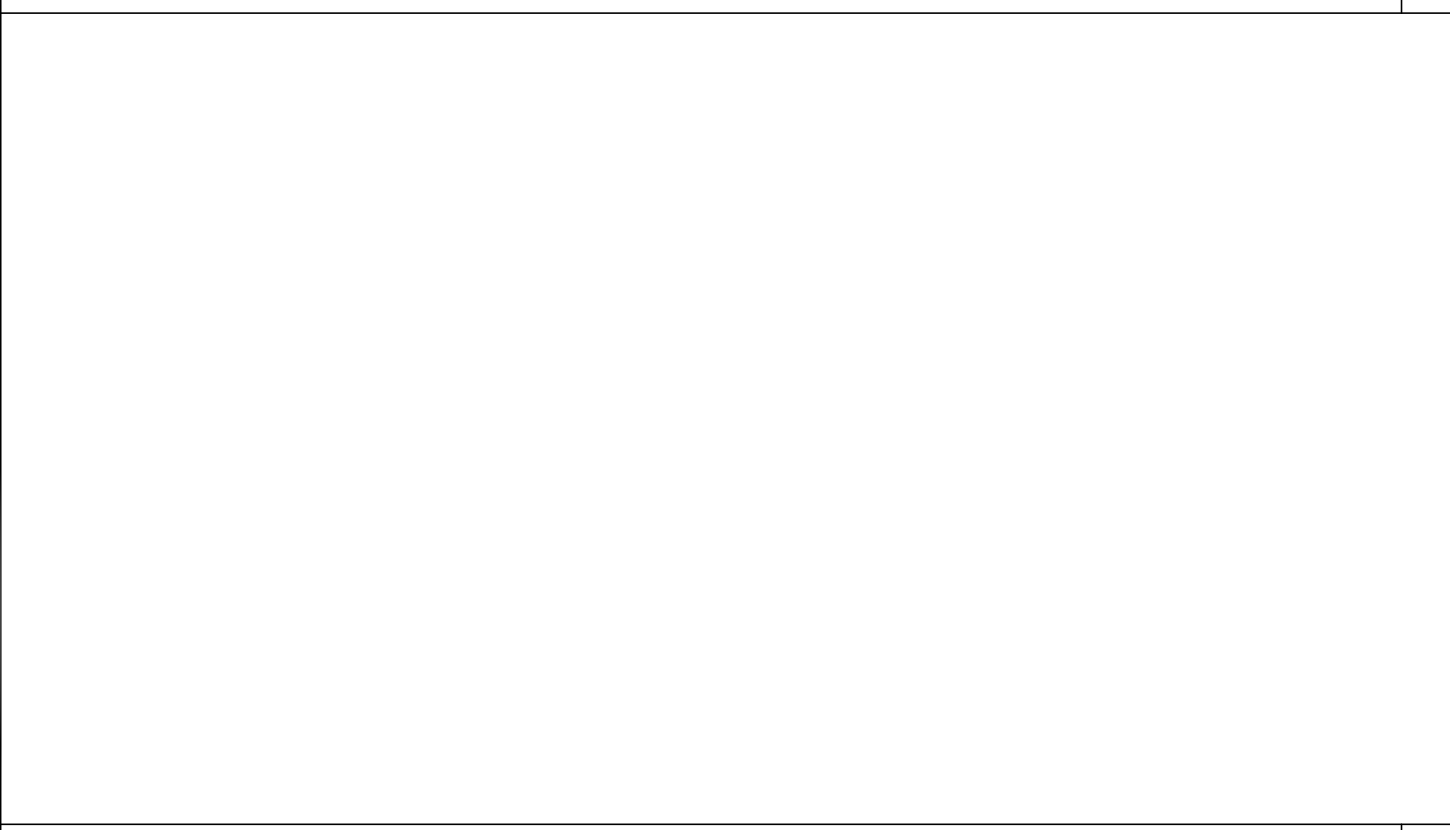
SOFFIT AT ROOF HEADER WITH VENT SCALE: 3"=1'-0" 14



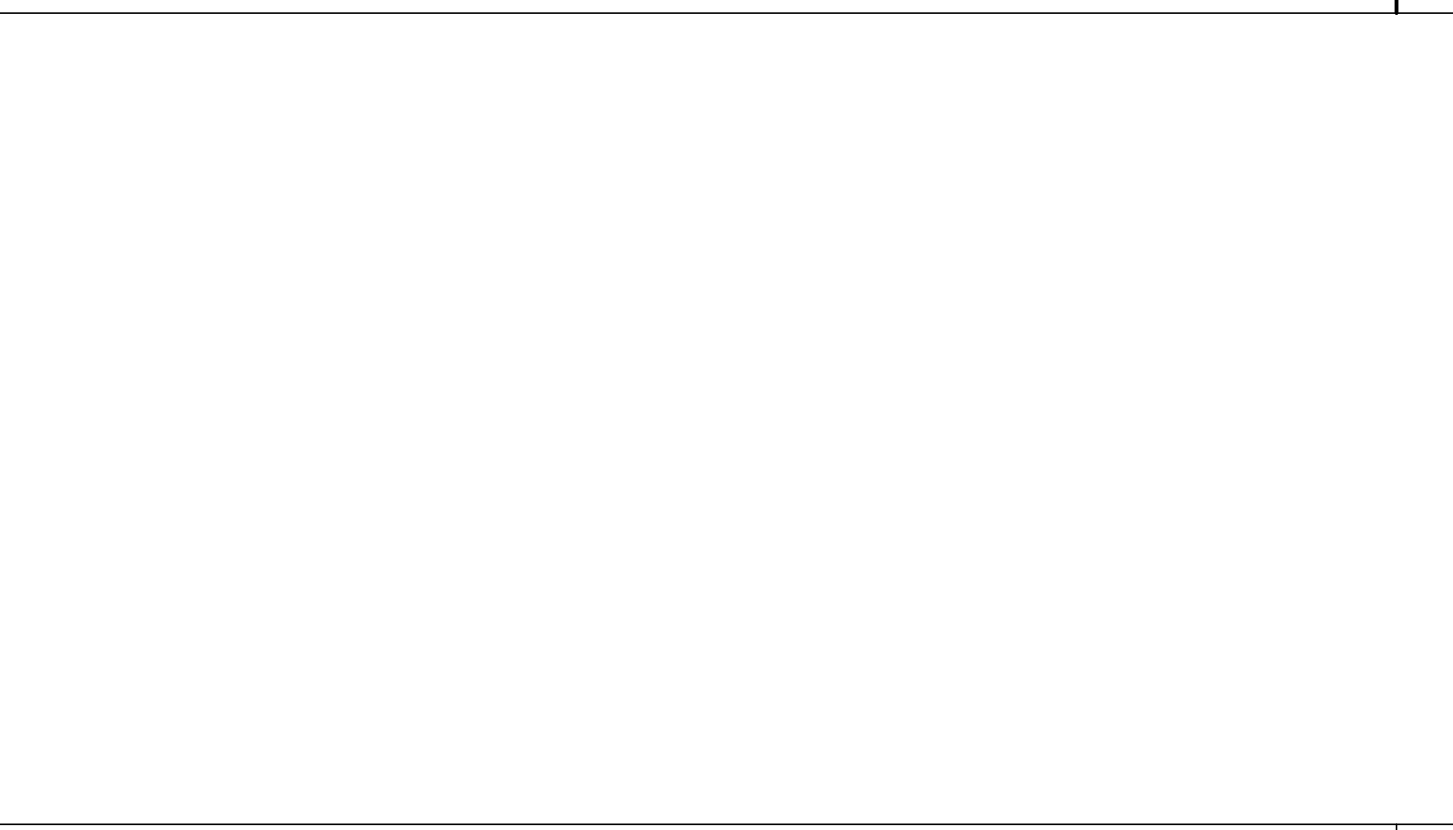
INTERIOR DOOR JAMB SCALE: 3"=1'-0" 9



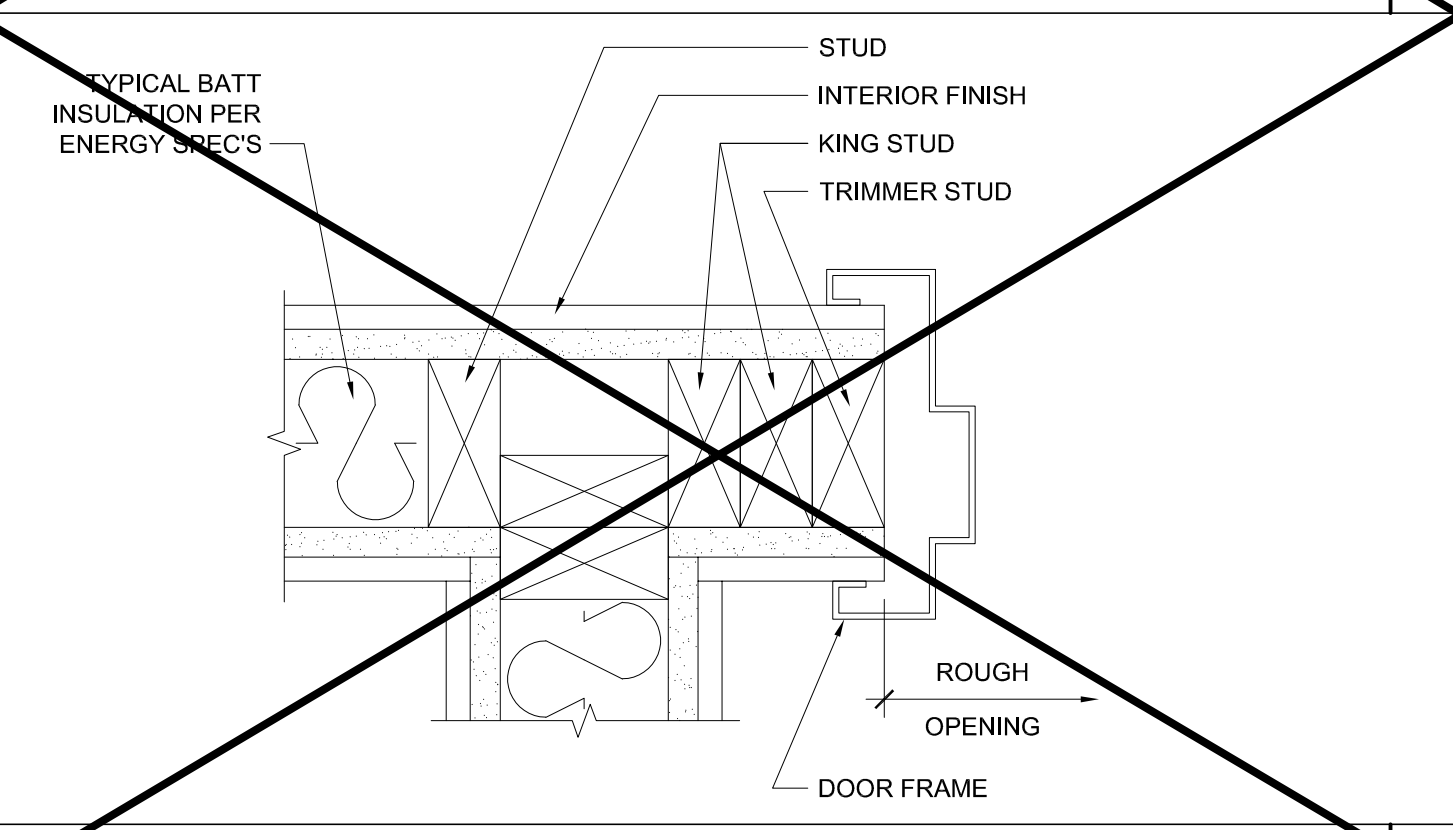
COLUMN AT MODULE LINE (CLOSURE STRIP) SCALE: 3"=1'-0" 4



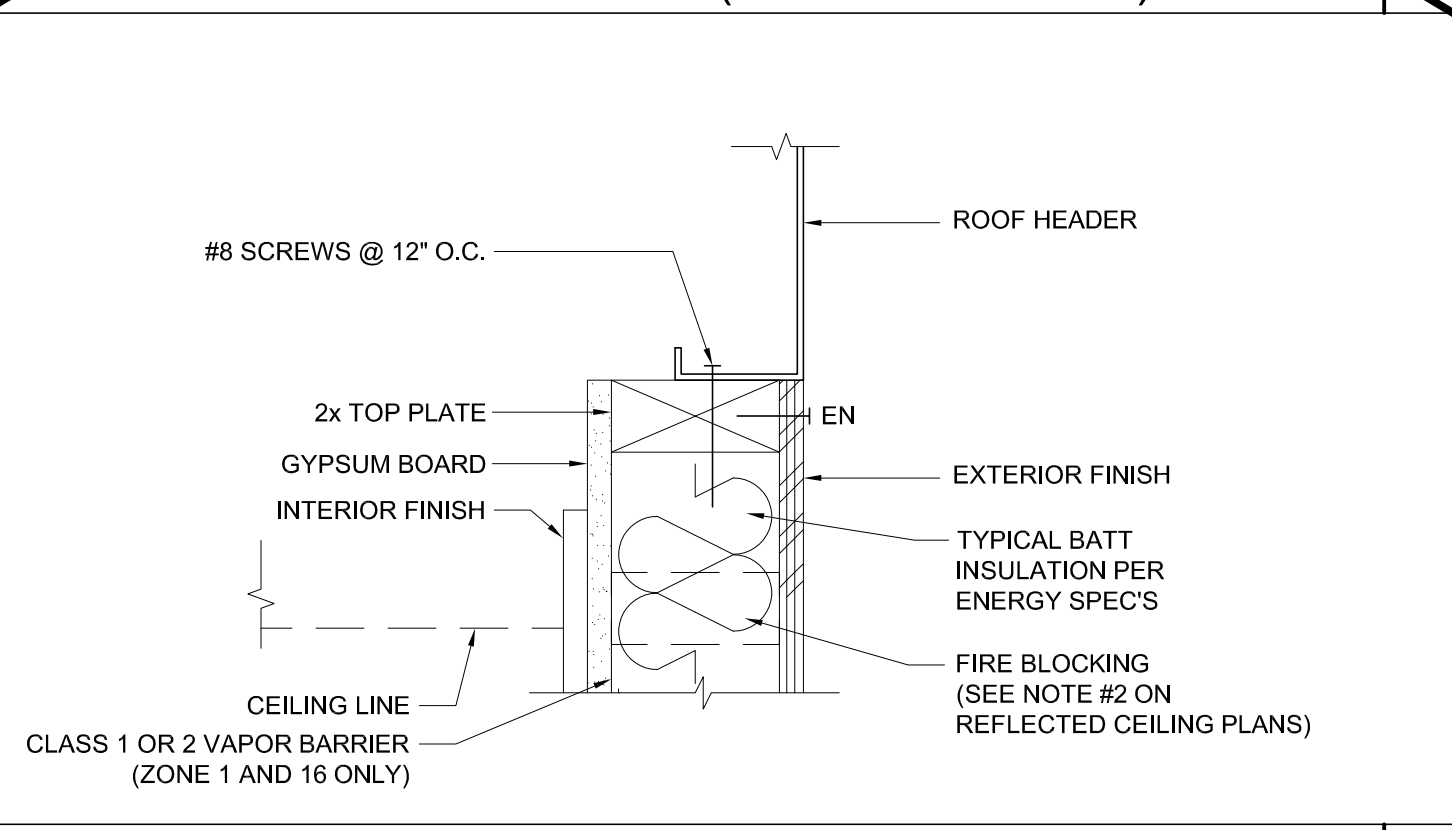
NOT USED 20



NOT USED 15



INTERIOR DOOR JAMBS SCALE: 3"=1'-0" 10



TOP PLATE AT ROOF HEADER SCALE: 3"=1'-0" 5

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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REVIEWED FOR
SS FLS ACS
DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL
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PROJECT NAME:
**SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS**

SHEET TITLE:
**ARCHITECTURAL
DETAILS
WOOD STUD - SHTG**

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

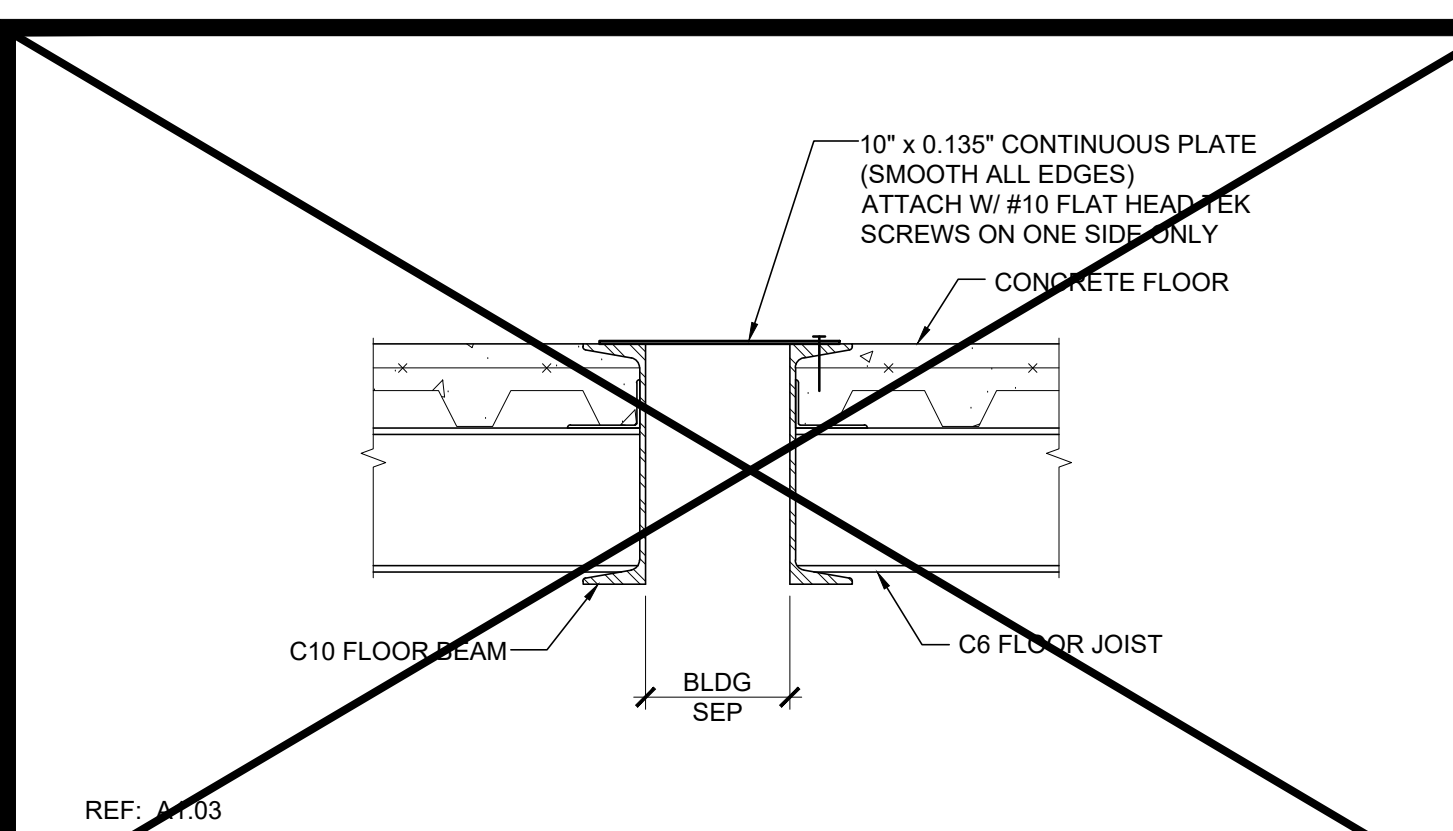
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-121999 INC:
REVIEWED FOR
SS FLS ACS
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

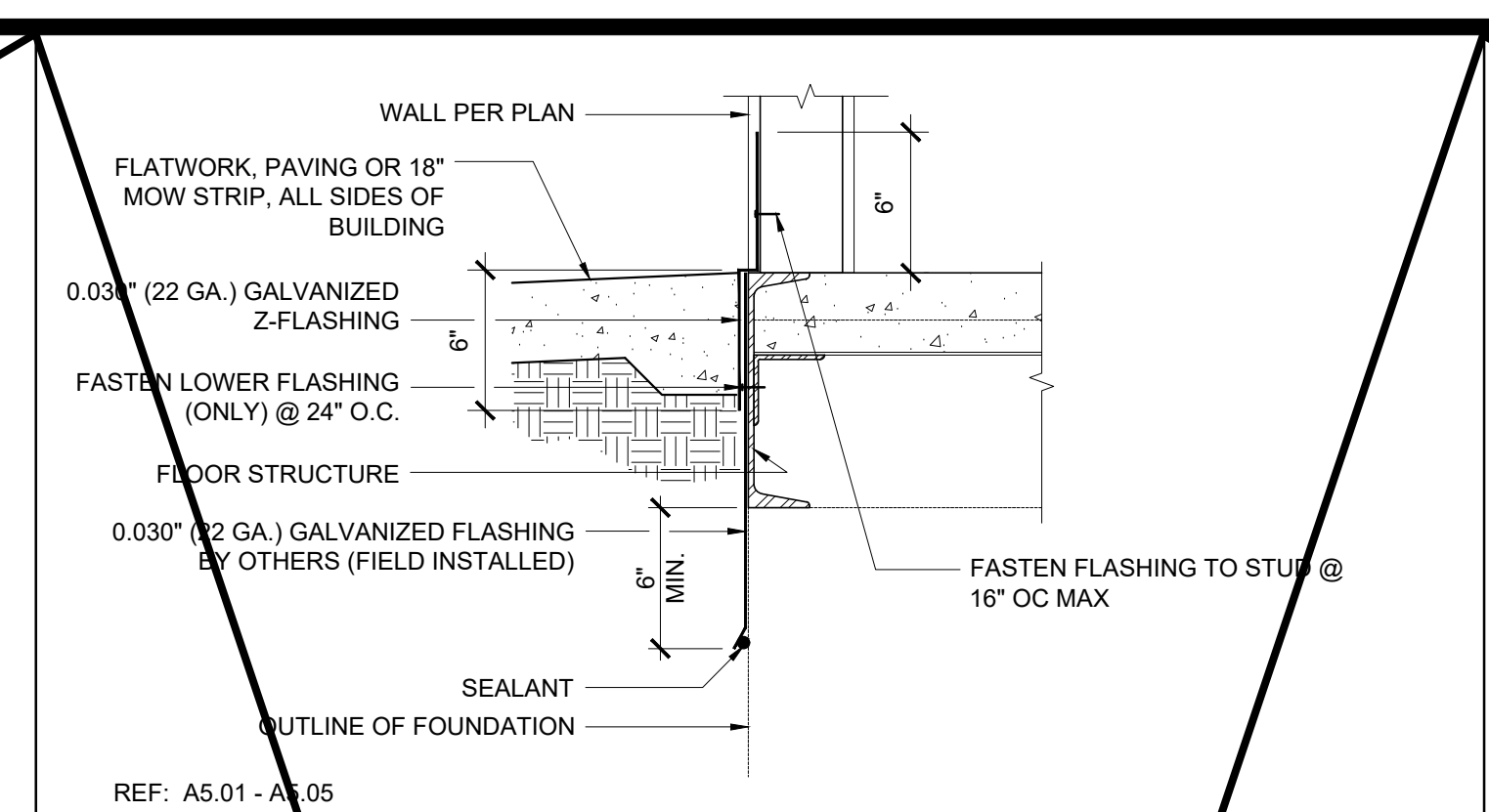
Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

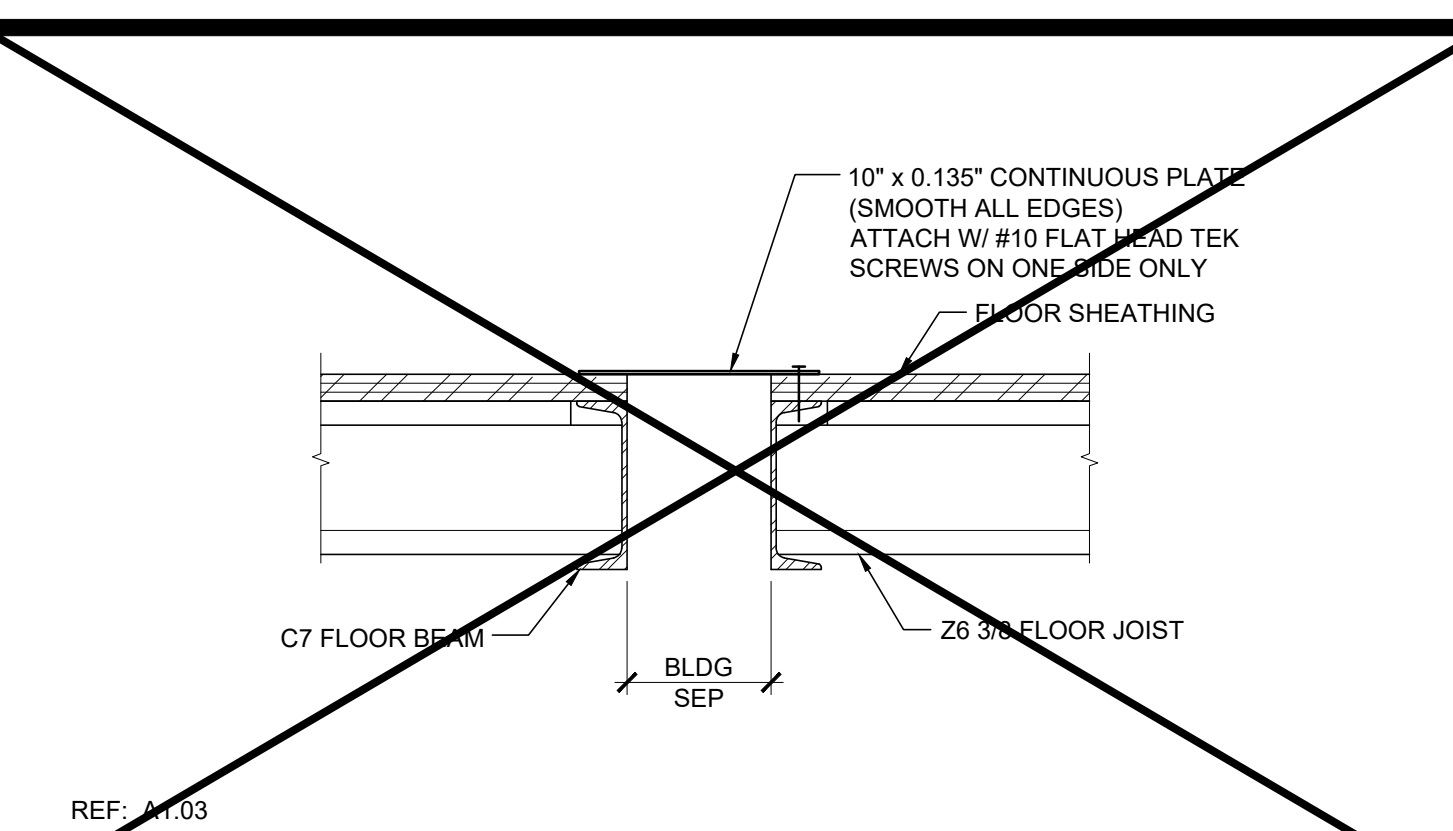

SILVER CREEK INDUSTRIES
24' x 40' PC
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023
P.C. SHEET NUMBER
A-5.50



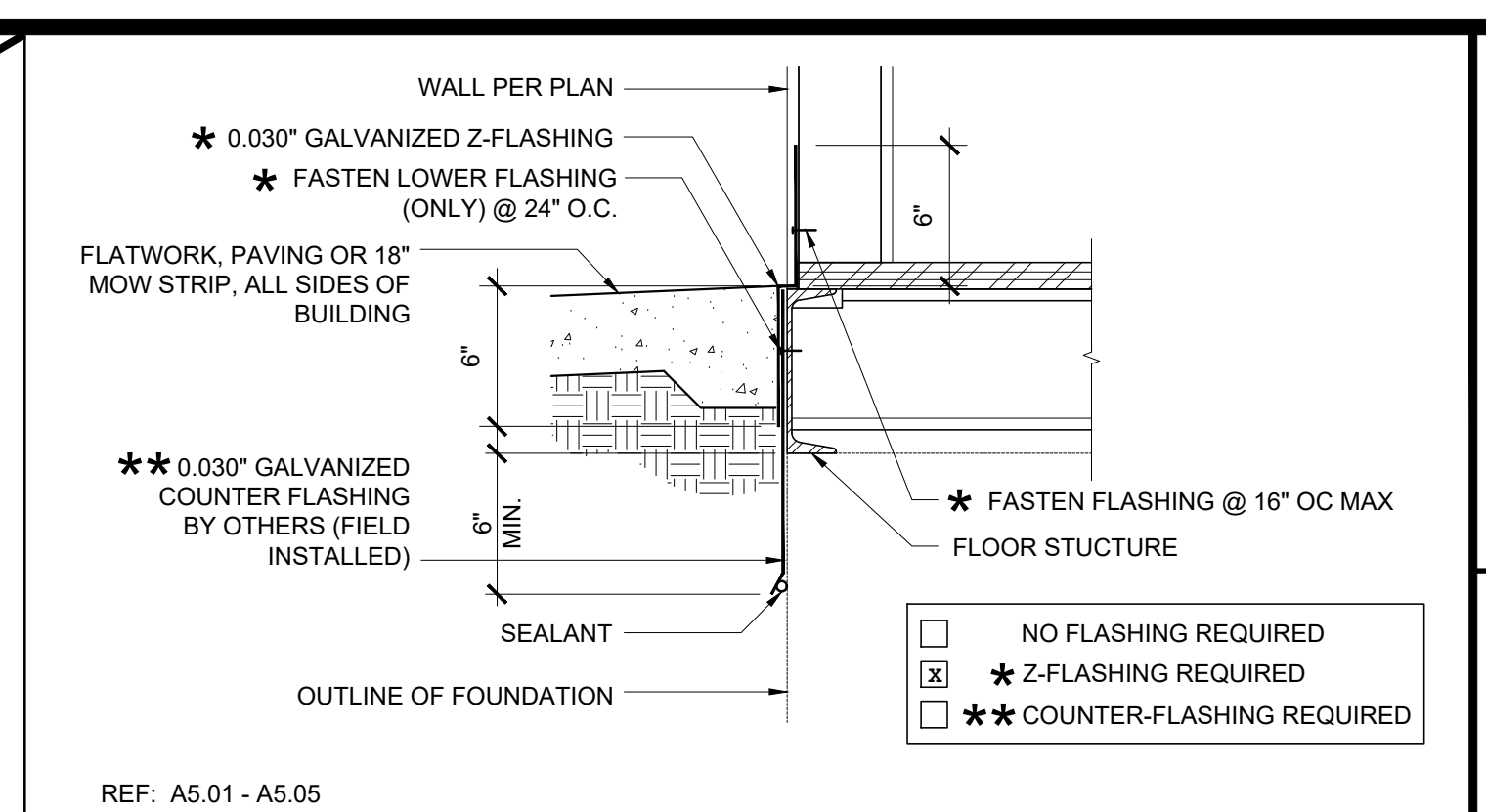
16 FLOOR AT SEPARATION (CONCRETE FLR) SCALE: 1 1/2"=1'-0"



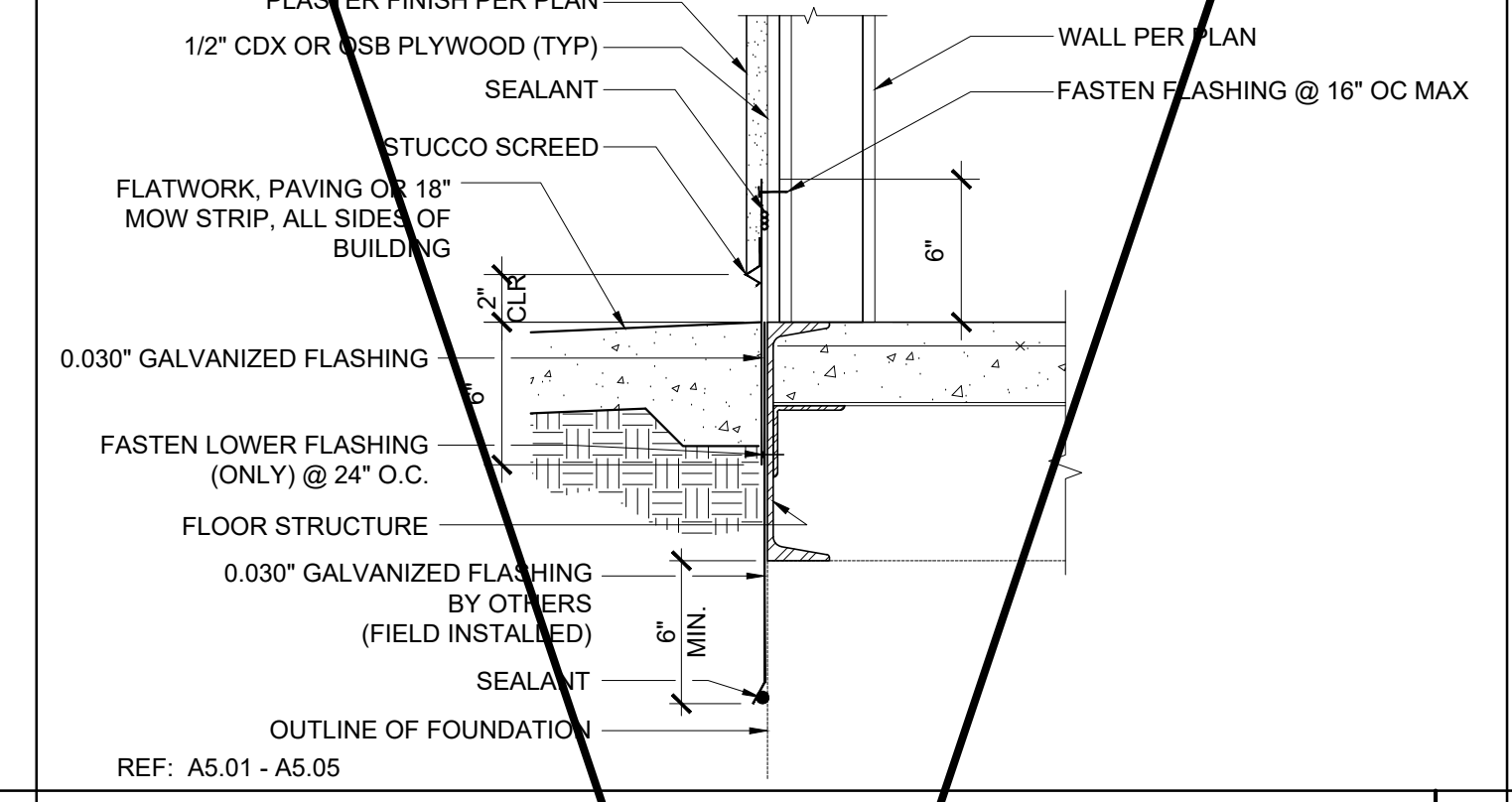
11 SKIRT FLASHING (CONCRETE FLOOR) SCALE: 1 1/2"=1'-0"



6 FLOOR AT SEPARATION (WOOD FLOOR) SCALE: 1 1/2"=1'-0"



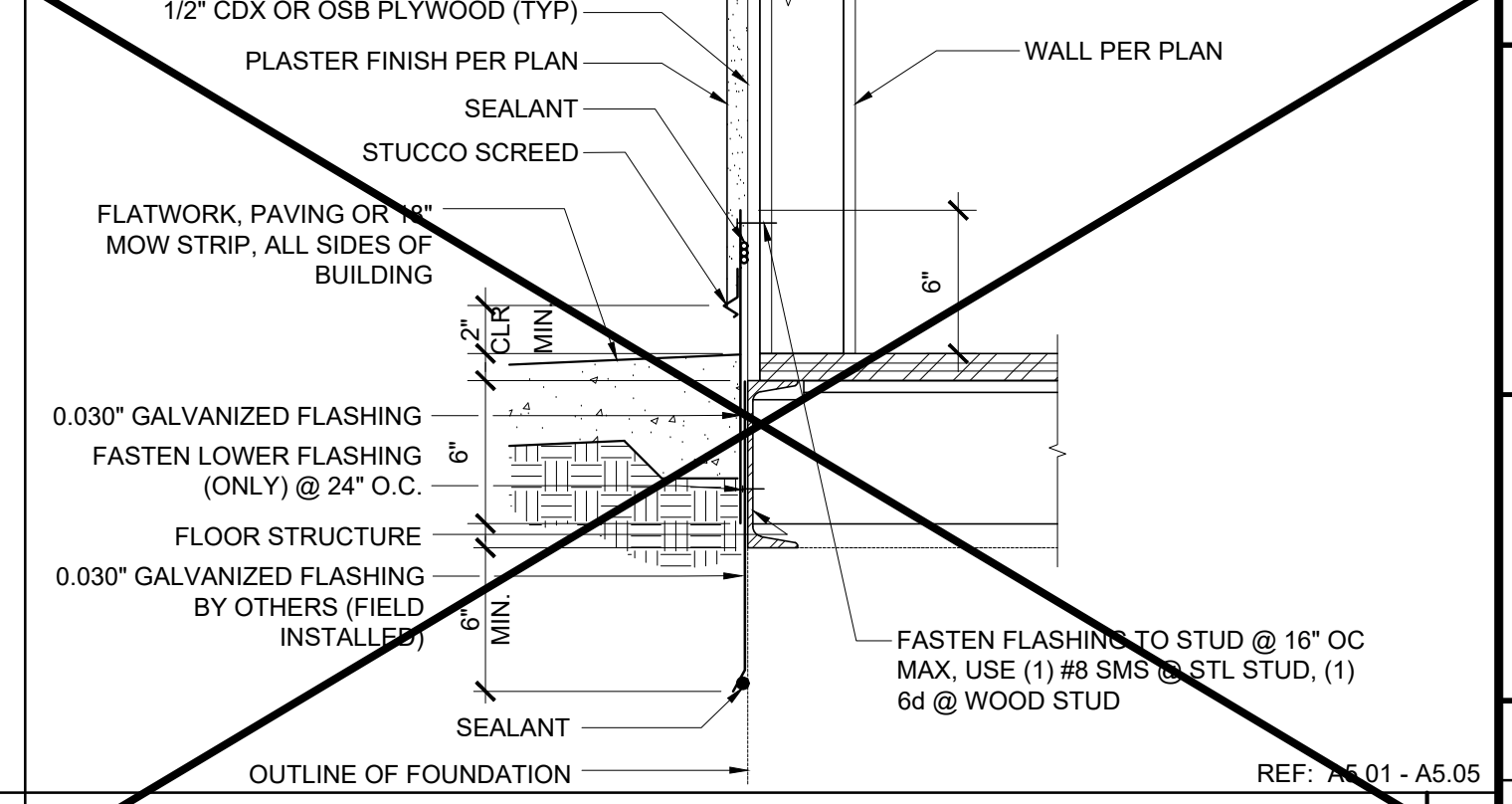
1 SKIRT FLASHING (WOOD FLOOR) SCALE: 1 1/2"=1'-0"



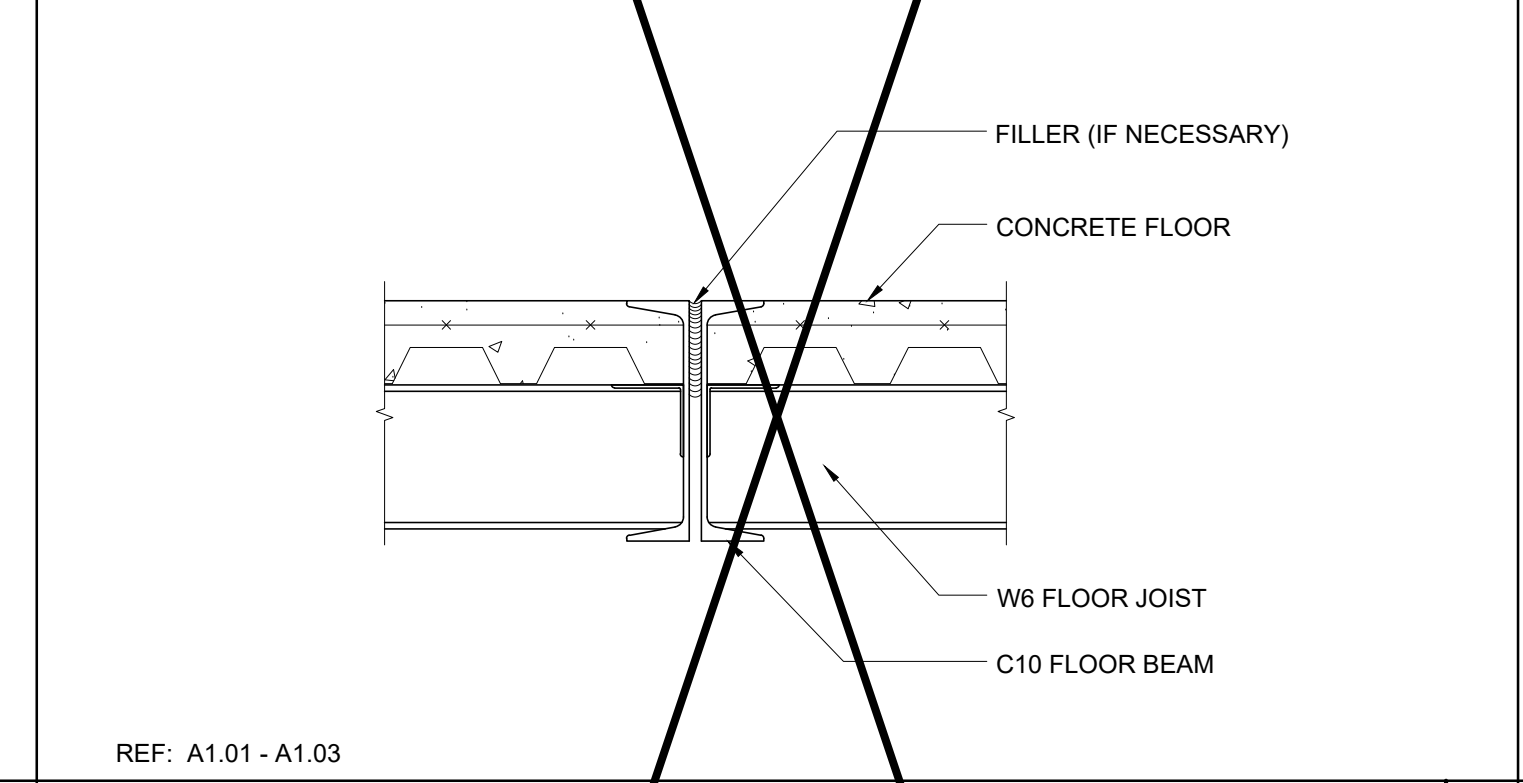
17 SKIRT FLASHING (CONCRETE FLOOR) SCALE: 1 1/2"=1'-0"

NOTE:

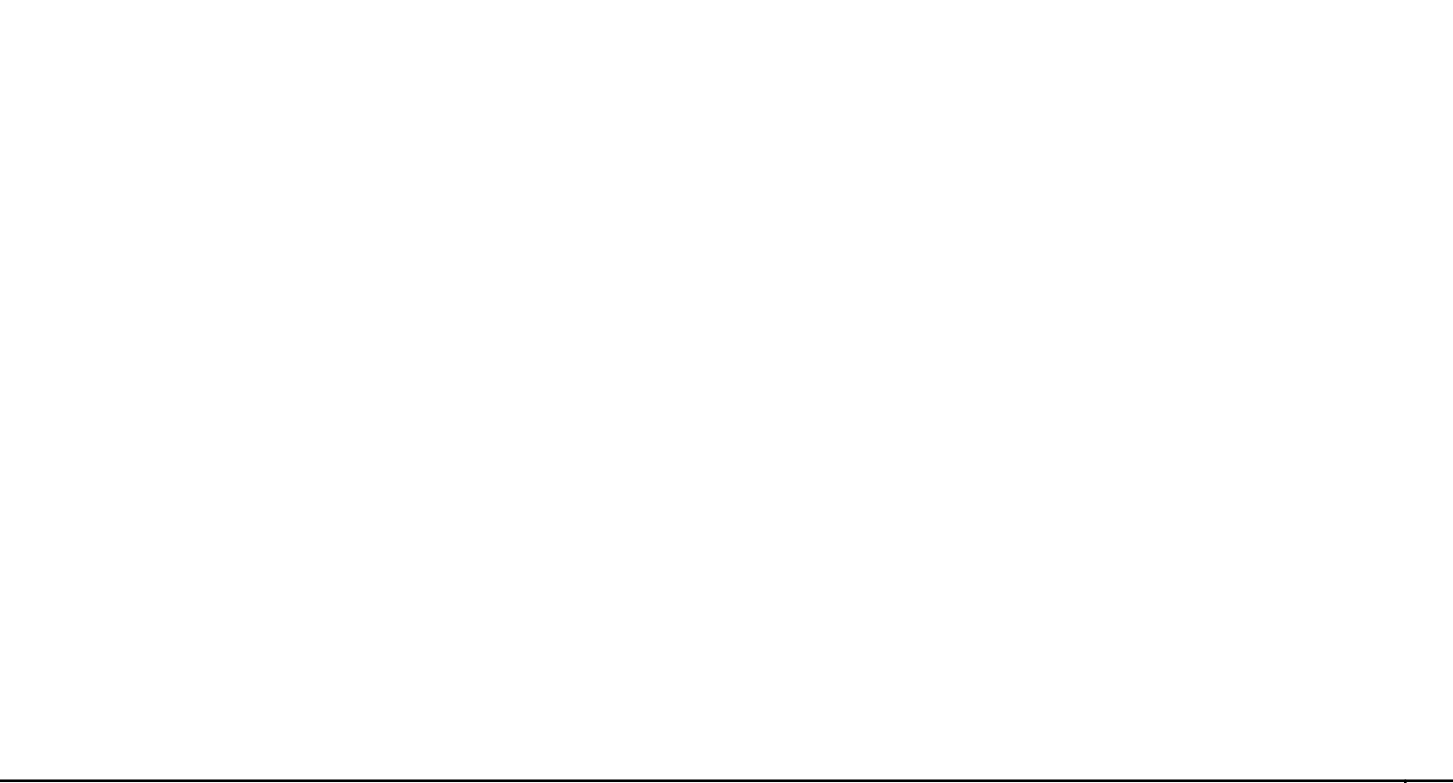
1. WHEN THE BUILDING IS INSTALLED AT GROUND LEVEL (BELOW GRADE FOUNDATION OPTION) DETAILS 1, 2, 5, 11, 12+15 CAN ONLY BE USED WHERE THE BUILDING SIZE DOES NOT EXCEED 2,160 SF. SEE SHEETS A-5.71 THRU A-5.78 FOR ALTERNATE FLASHING DETAILS FOR BUILDINGS LARGER THAN 2,160 SF.
2. THE DETAILS ON SHEETS A-5.71 THRU A-5.78 MAY BE USED FOR BUILDINGS LESS THAN 2,160 SF.
3. FOR BUILDINGS INSTALLED ON ABOVE GRADE FOUNDATION SYSTEMS (WOOD FOUNDATION OR CONCRETE FOUNDATION WITH ABOVE GRADE STEMWALL) THE DETAILS SHOWN ON THIS SHEET MAY BE USED FOR ANY SIZE BUILDING.
4. FOR BUILDINGS INSTALLED ON ABOVE GRADE FOUNDATION SYSTEMS (WOOD FOUNDATION OR CONCRETE FOUNDATION WITH ABOVE GRADE STEMWALL) THE FLATWORK/PAVING/MOW STRIP WHICH IS INDICATED IN THE DETAILS ON THIS SHEET SHALL BE OMITTED.



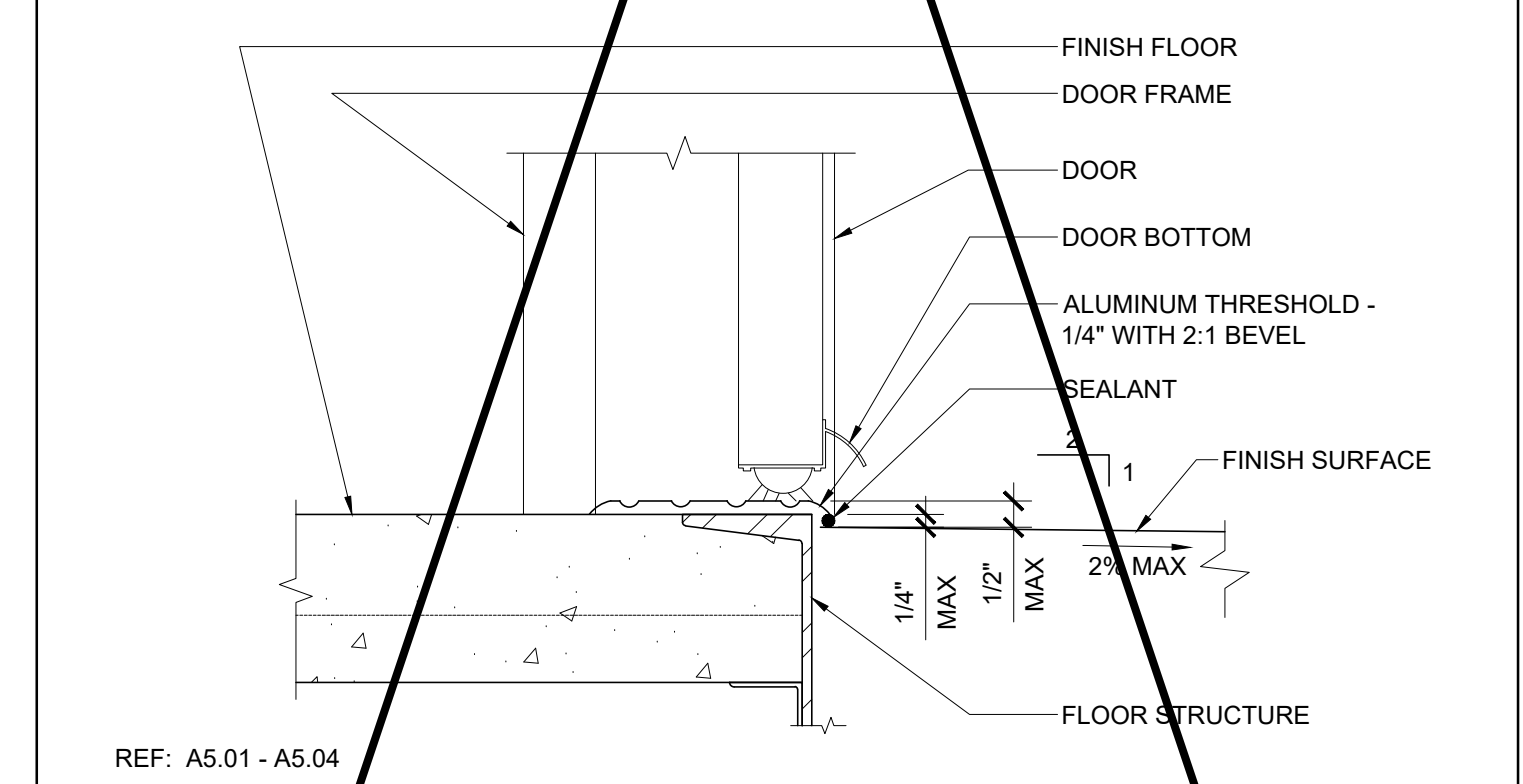
7 SKIRT FLASHING (WOOD FLOOR) SCALE: 1 1/2"=1'-0"



18 FLOOR AT MODLINE (CONCRETE FLOOR) SCALE: 1 1/2"=1'-0"



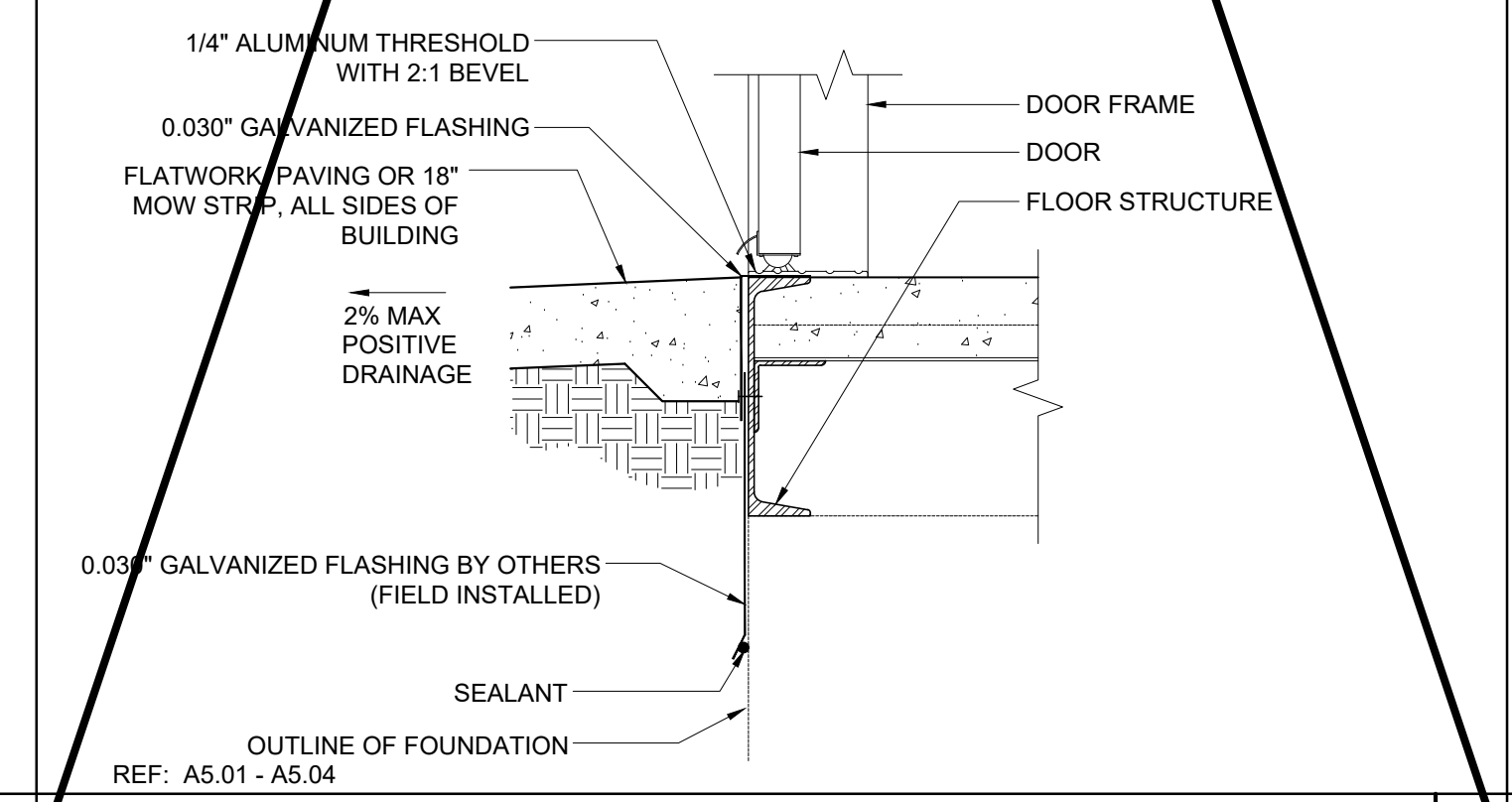
8 FLOOR AT MODLINE (WOOD FLOOR) SCALE: 1 1/2"=1'-0"



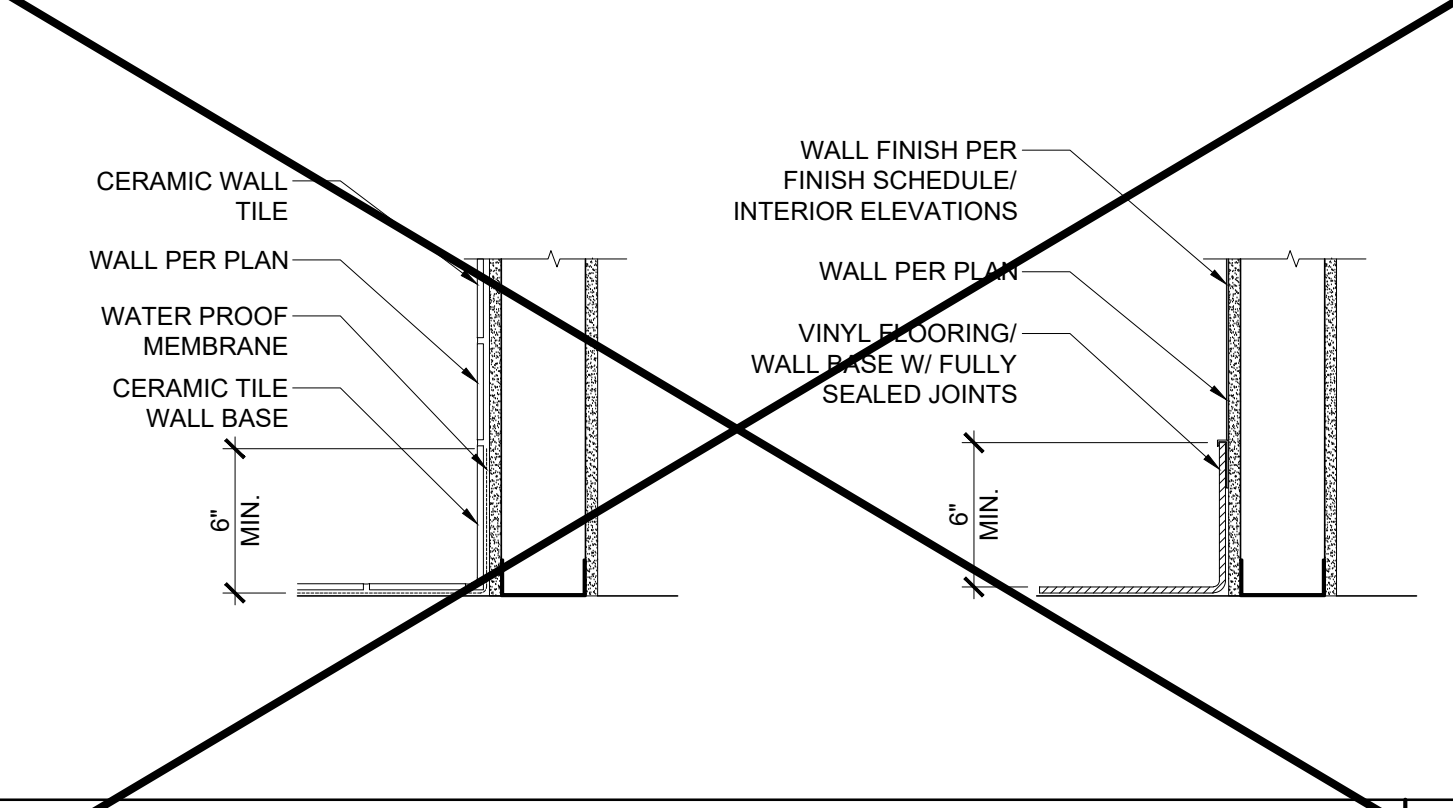
19 THRESHOLD SCALE: 3"=1'-0"



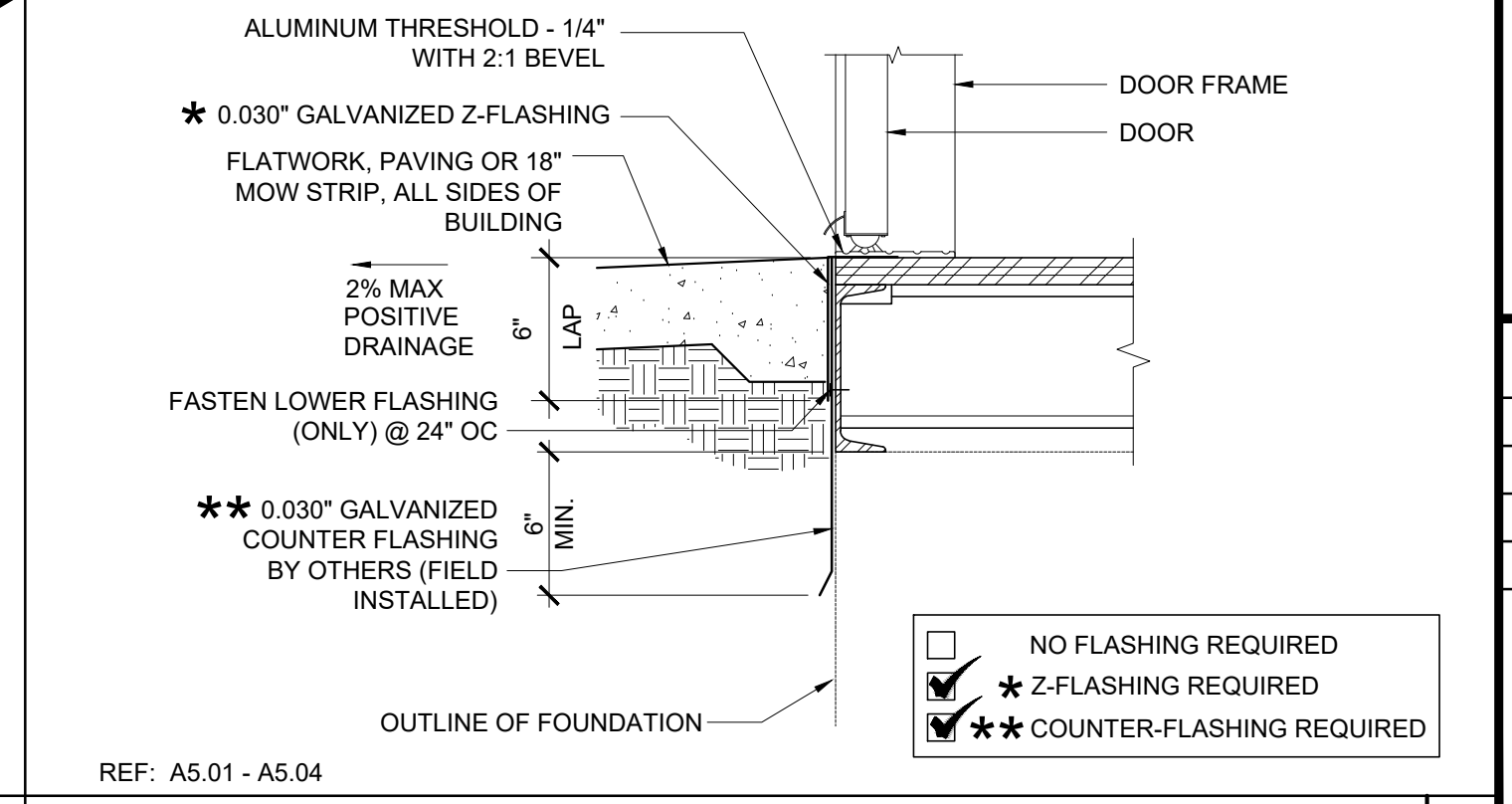
9 THRESHOLD SCALE: 3"=1'-0"



20 TYPICAL SILL AT FLOOR (CONCRETE FLOOR) SCALE: 1 1/2"=1'-0"



15 WALL BASE AT TOILET ROOMS SCALE: 1 1/2"=1'-0"



5 TYPICAL SILL AT FLOOR (WOOD FLOOR) SCALE: 1 1/2"=1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122154 INC:
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DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
**SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS**

SHEET TITLE:
**ARCHITECTURAL
DETAILS
FLOOR**

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
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DATE: 08/31/2023

PC STATE AGENCY APPROVAL



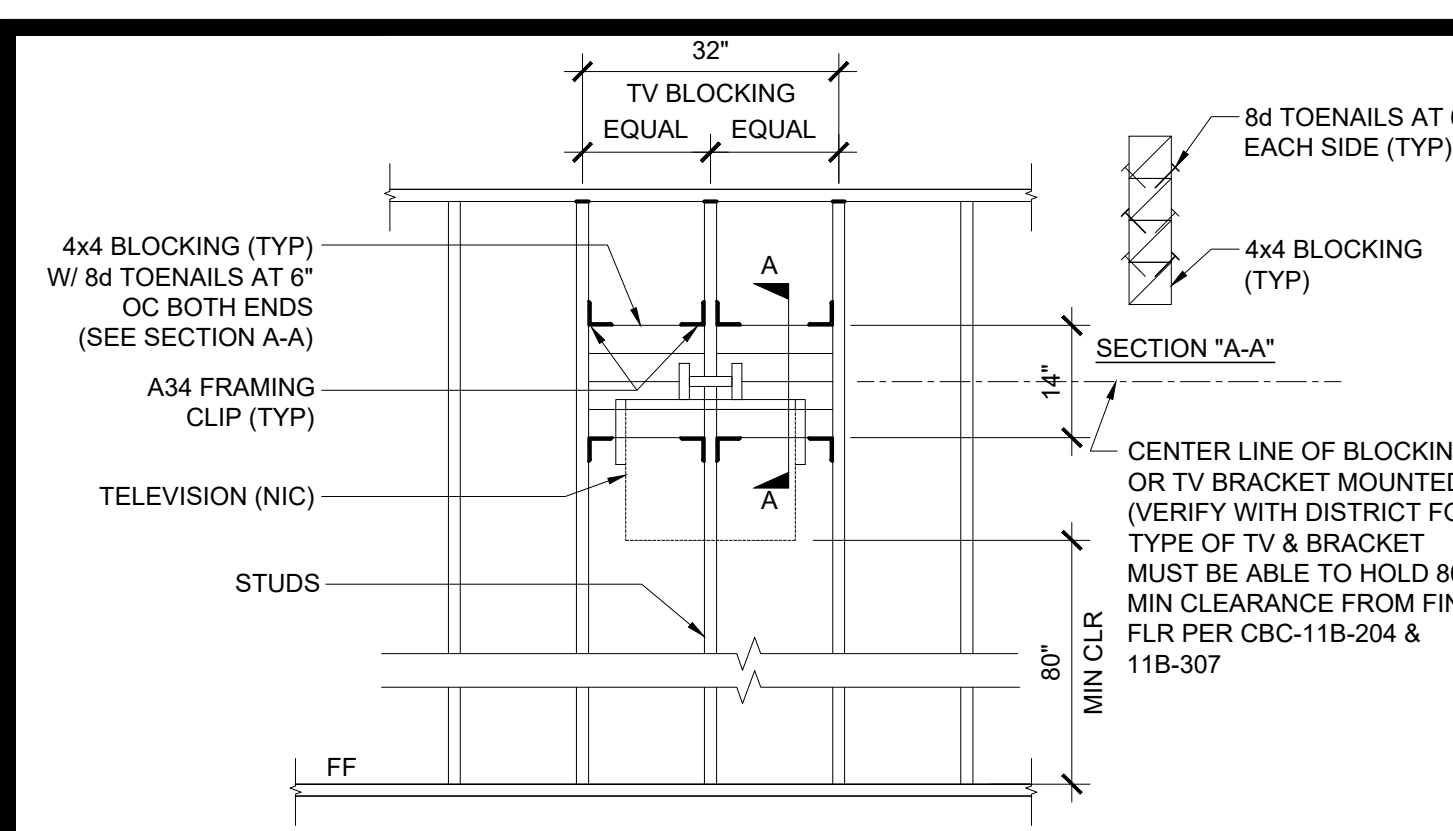
MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

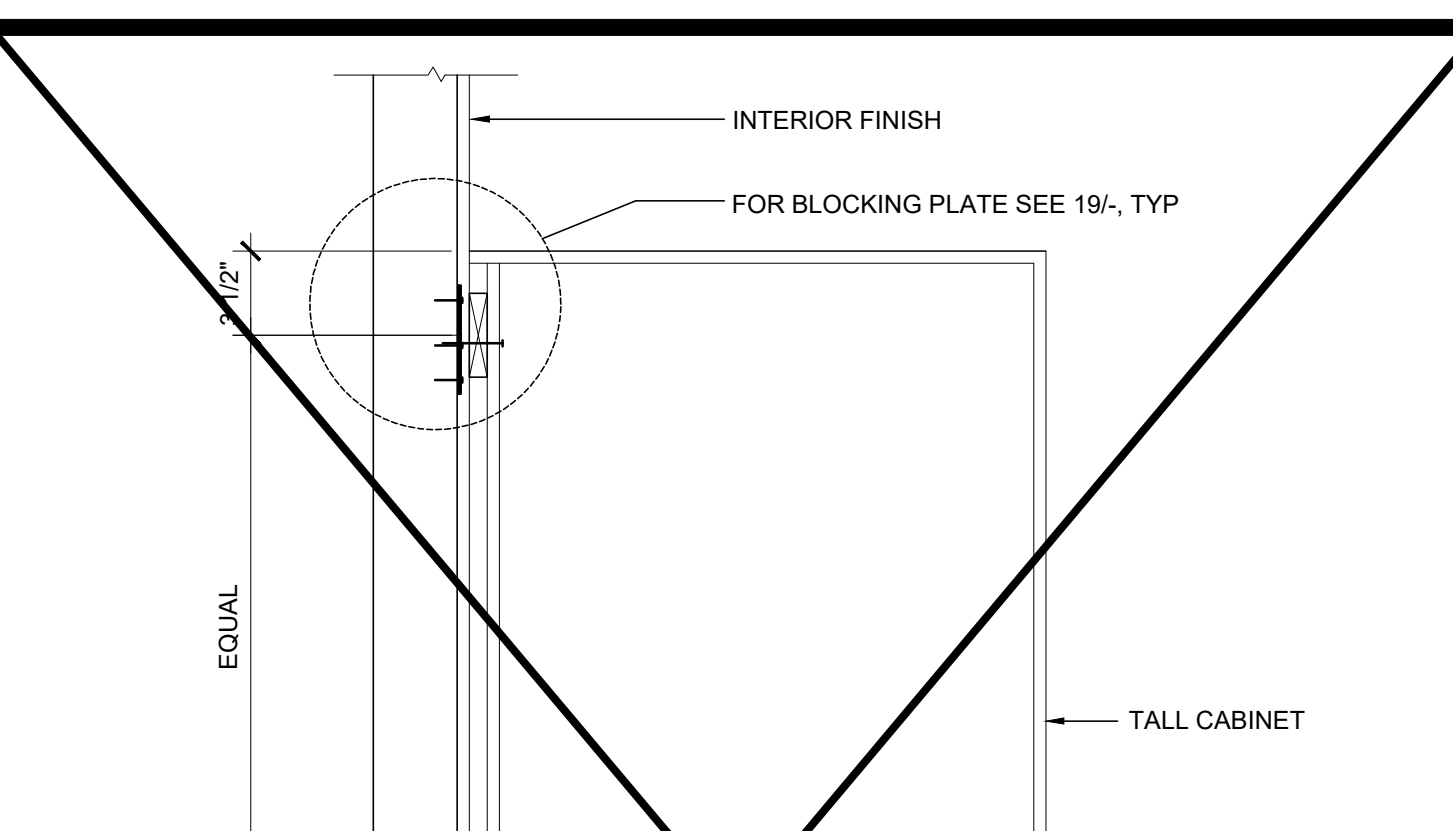
P.C. SHEET NUMBER
A-5.70



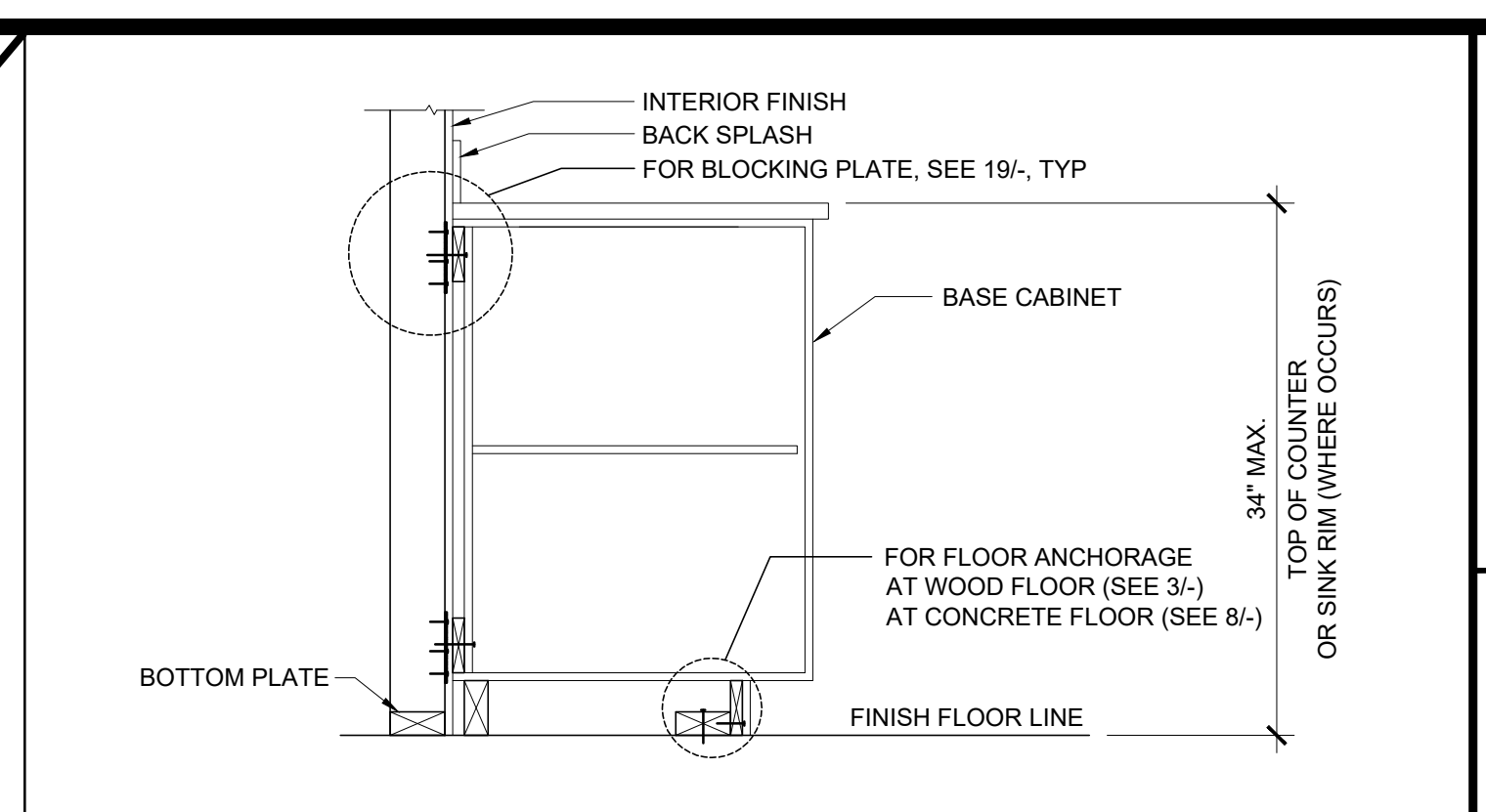
T.V. BLOCKING ATTACHMENT AT WOOD STUD SCALE: 1/2" = 1'-0" 16



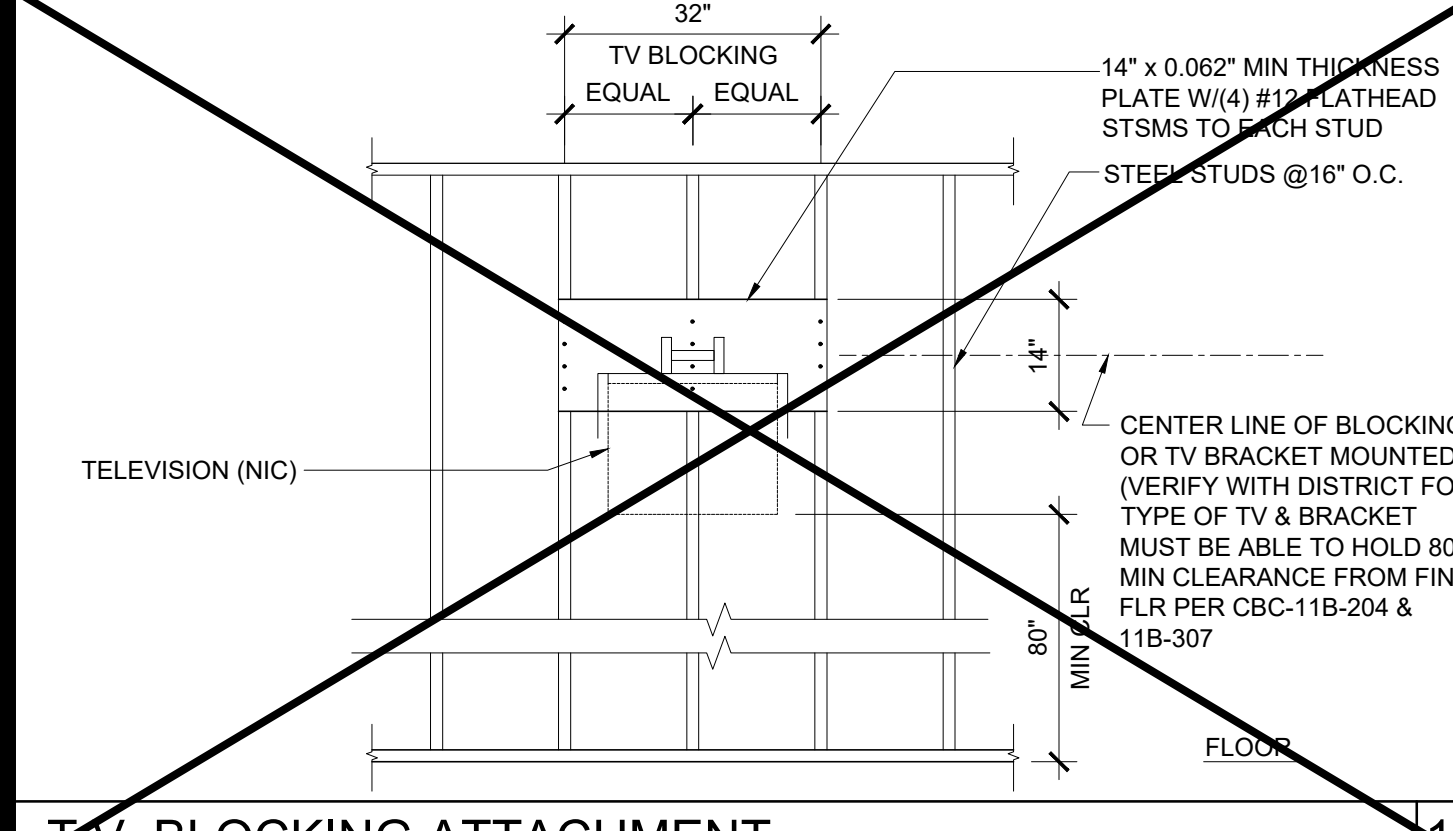
NOT USED SCALE: 1/2" = 1'-0" 11



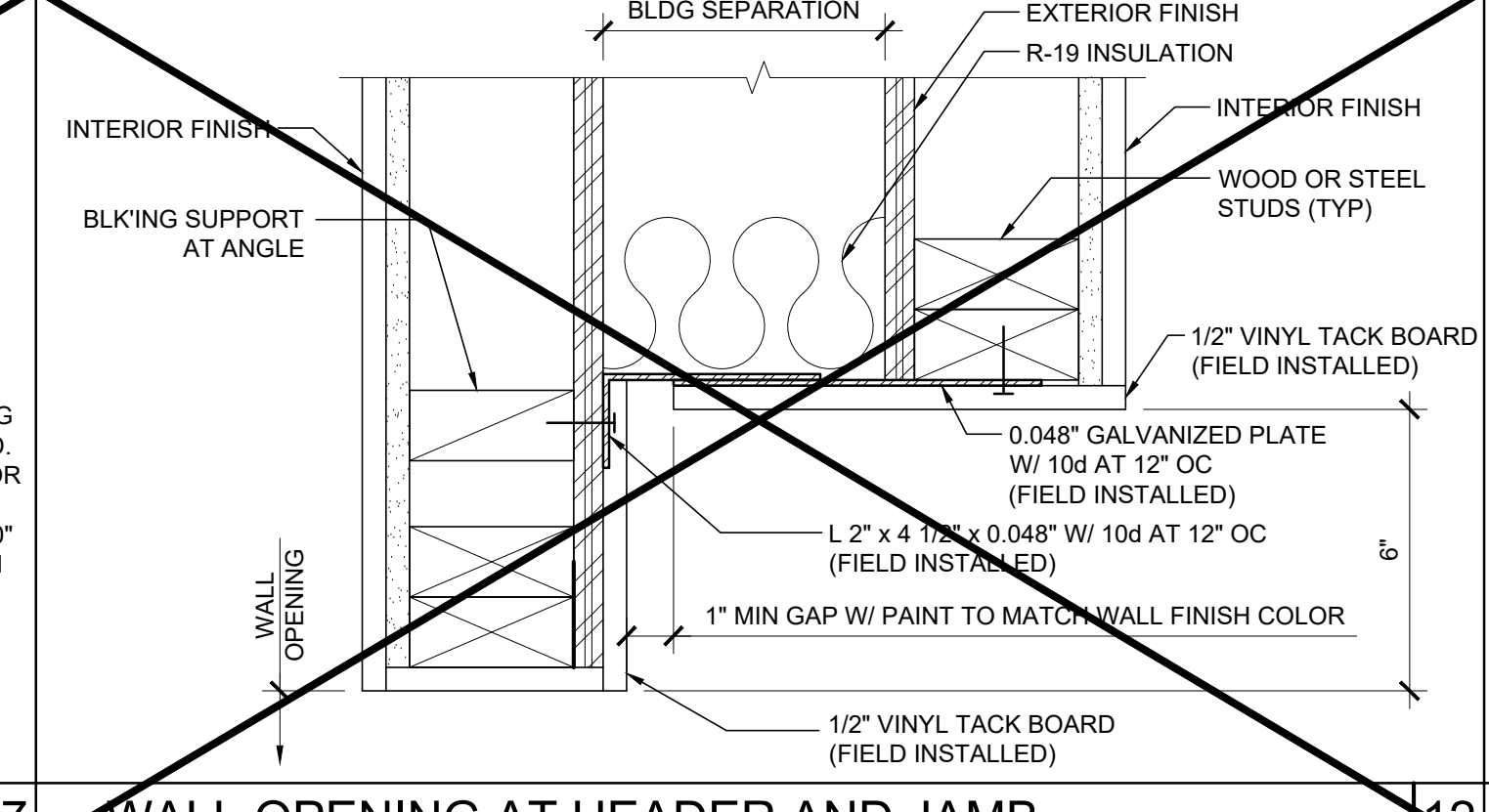
TALL CABINET WALL ANCHORAGE SCALE: 1 1/2" = 1'-0" 7



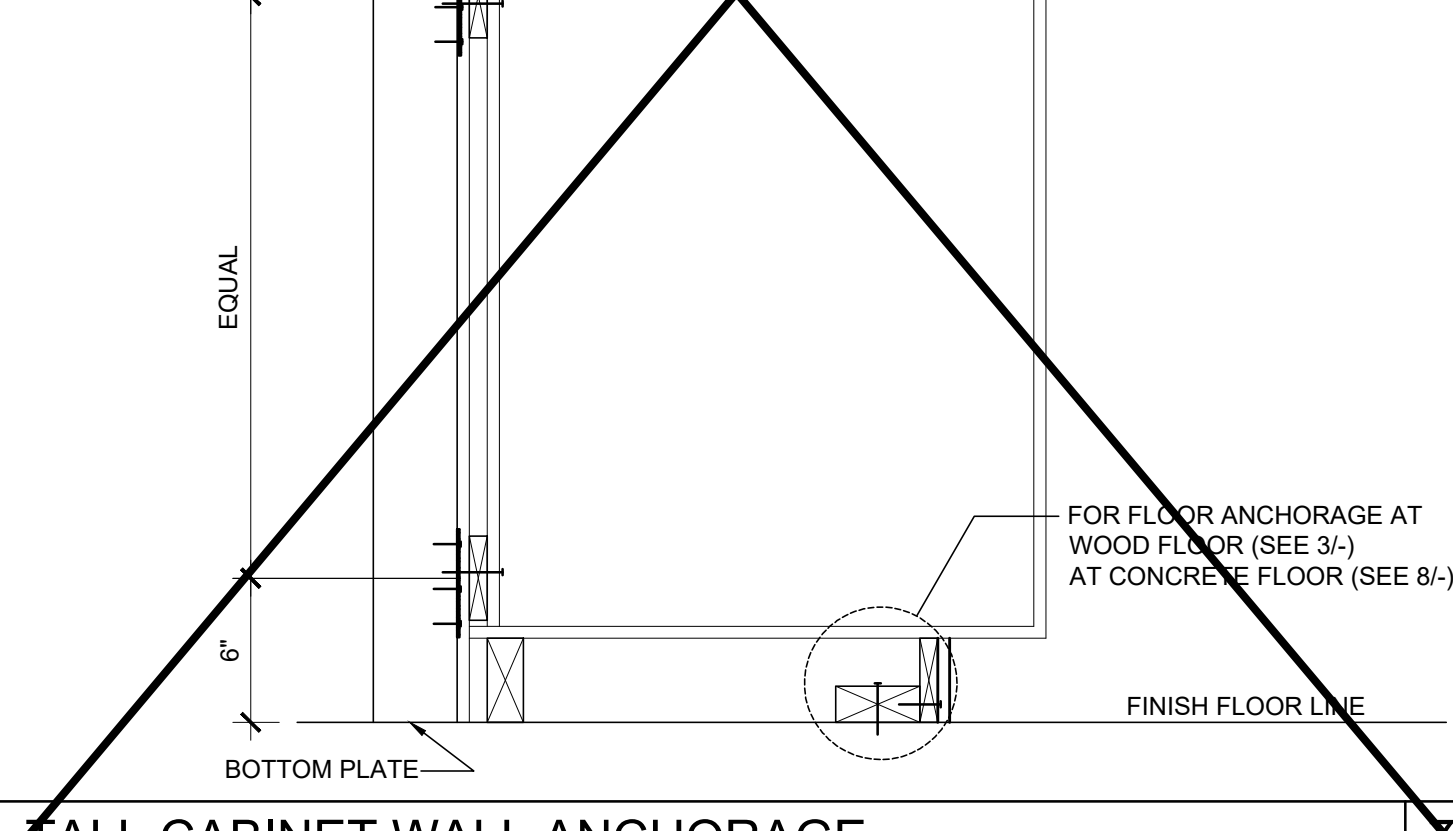
BASE CABINET WALL ANCHORAGE SCALE: 1" = 1'-0" 1



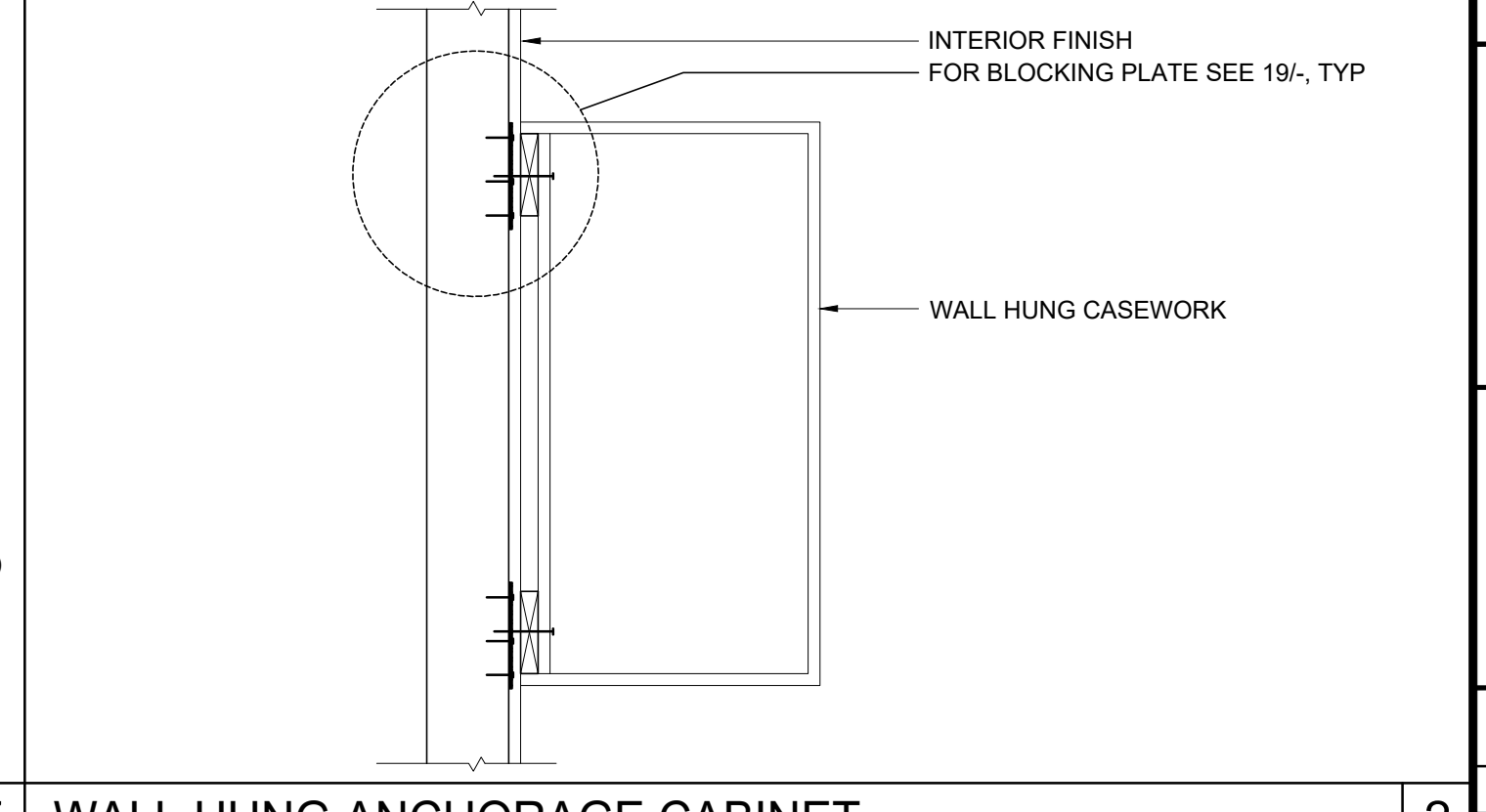
T.V. BLOCKING ATTACHMENT AT STEEL STUD SCALE: 1/2" = 1'-0" 17



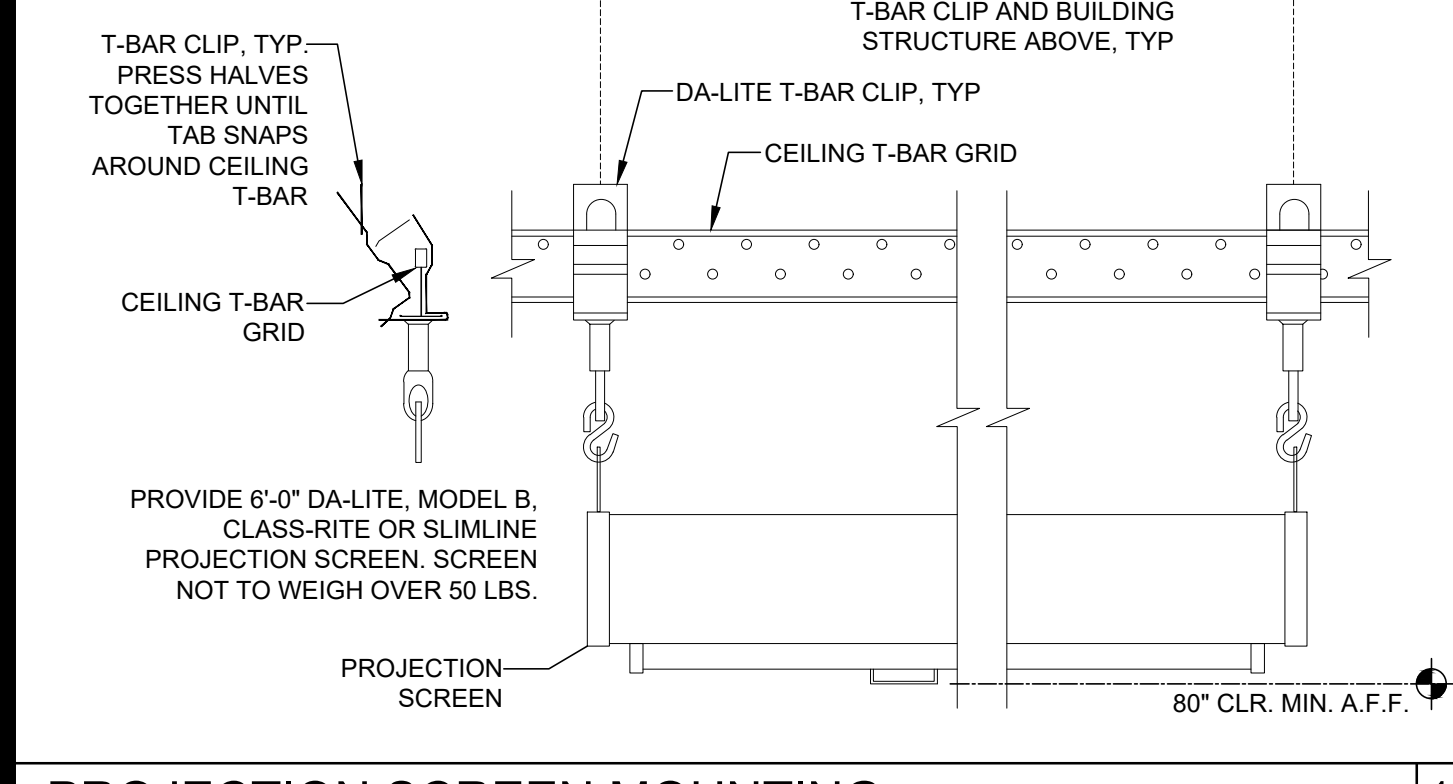
WALL OPENING AT HEADER AND JAMB SCALE: 3" = 1'-0" 12



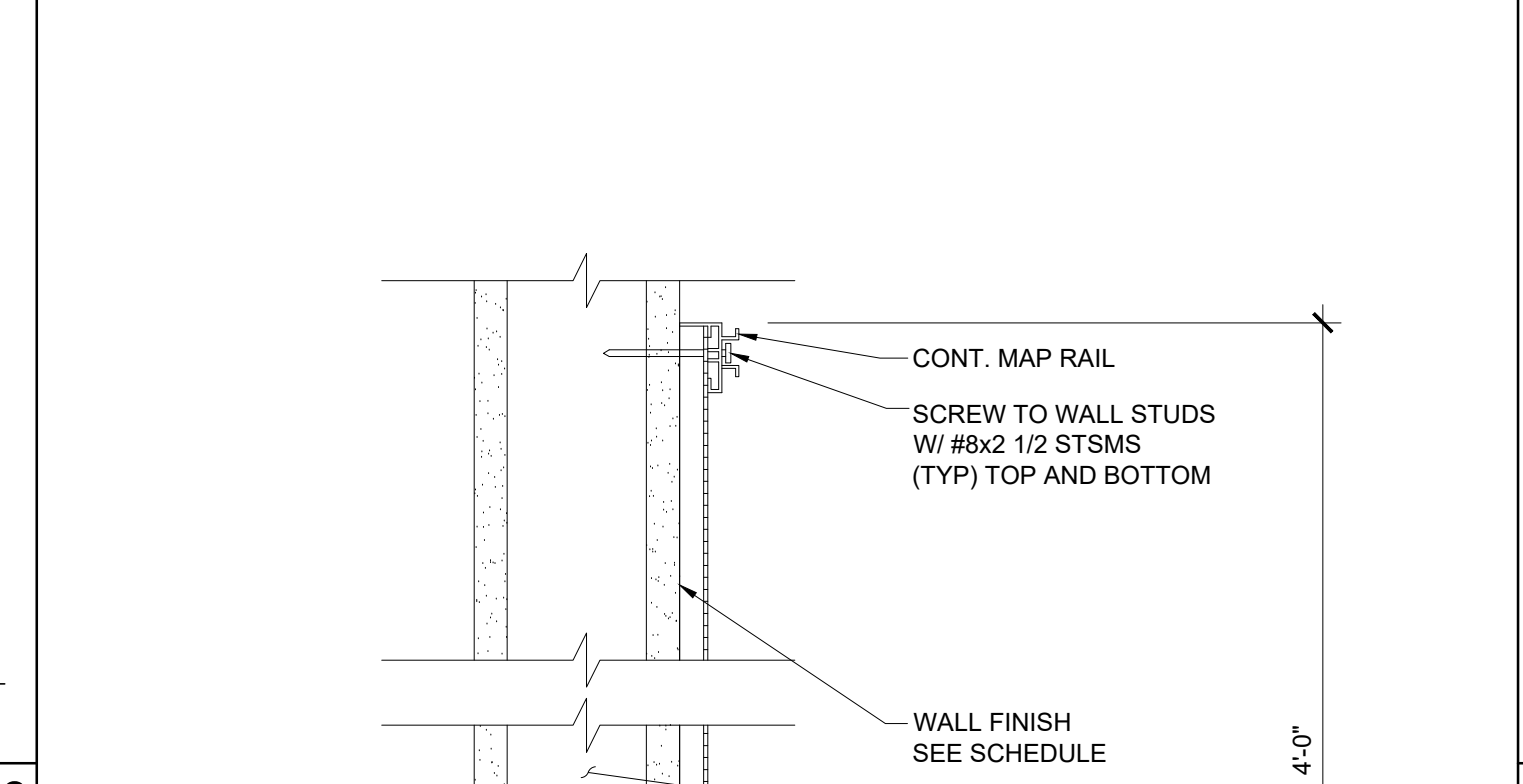
ATTACHMENT TO BLOCKING - CONC. FLOOR SCALE: 3" = 1'-0" 8



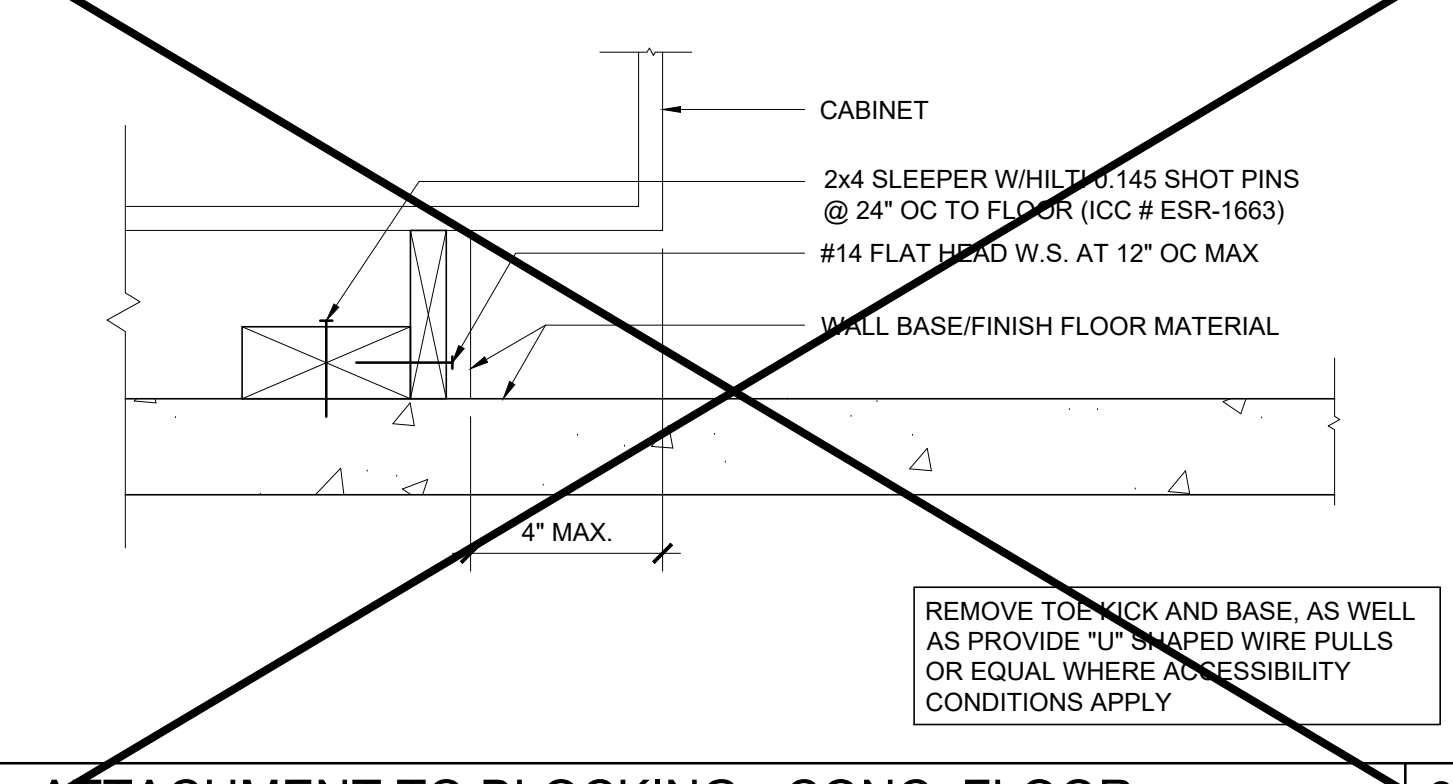
WALL HUNG ANCHORAGE CABINET SCALE: 1 1/2" = 1'-0" 2



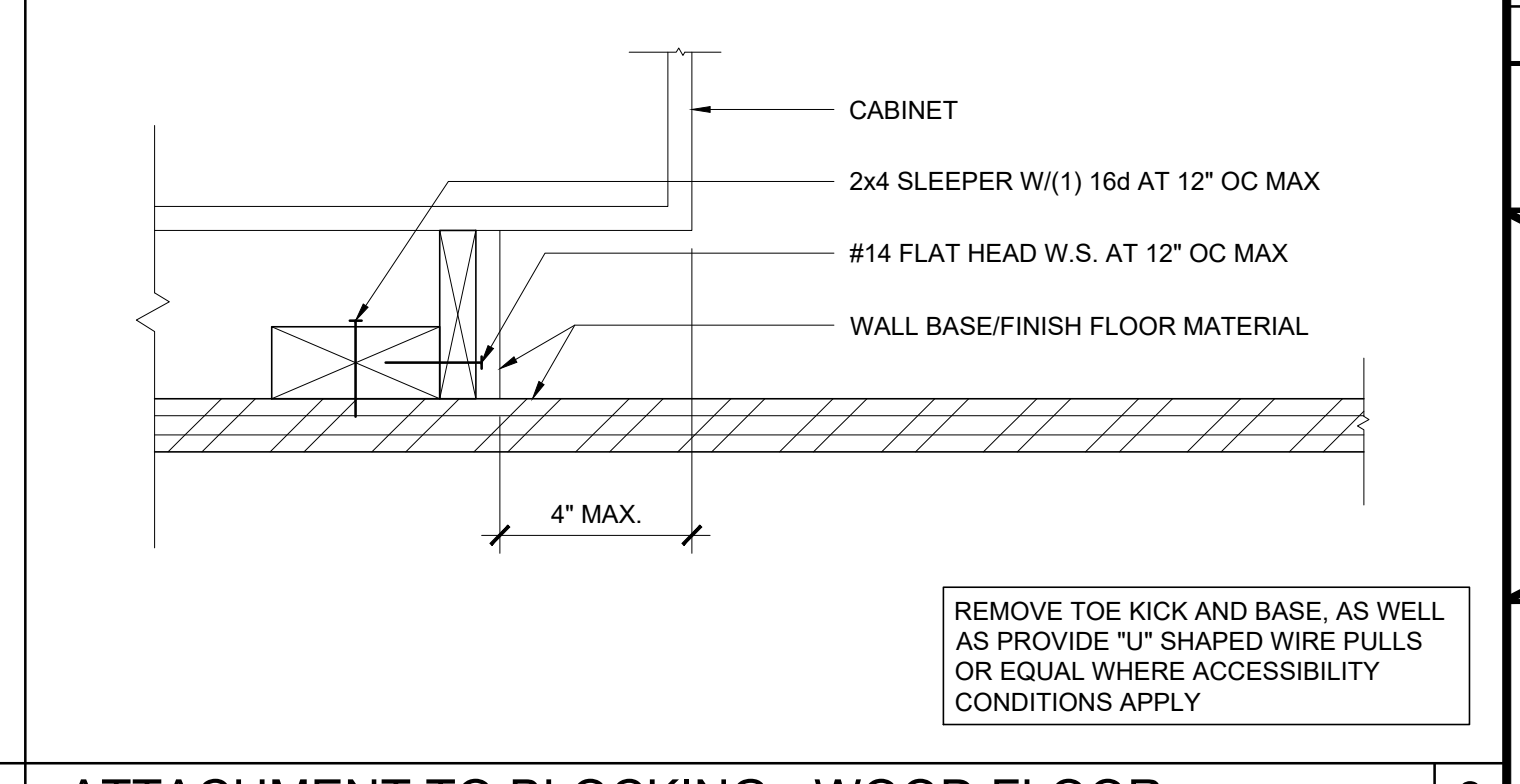
PROJECTION SCREEN MOUNTING SCALE: NTS 18



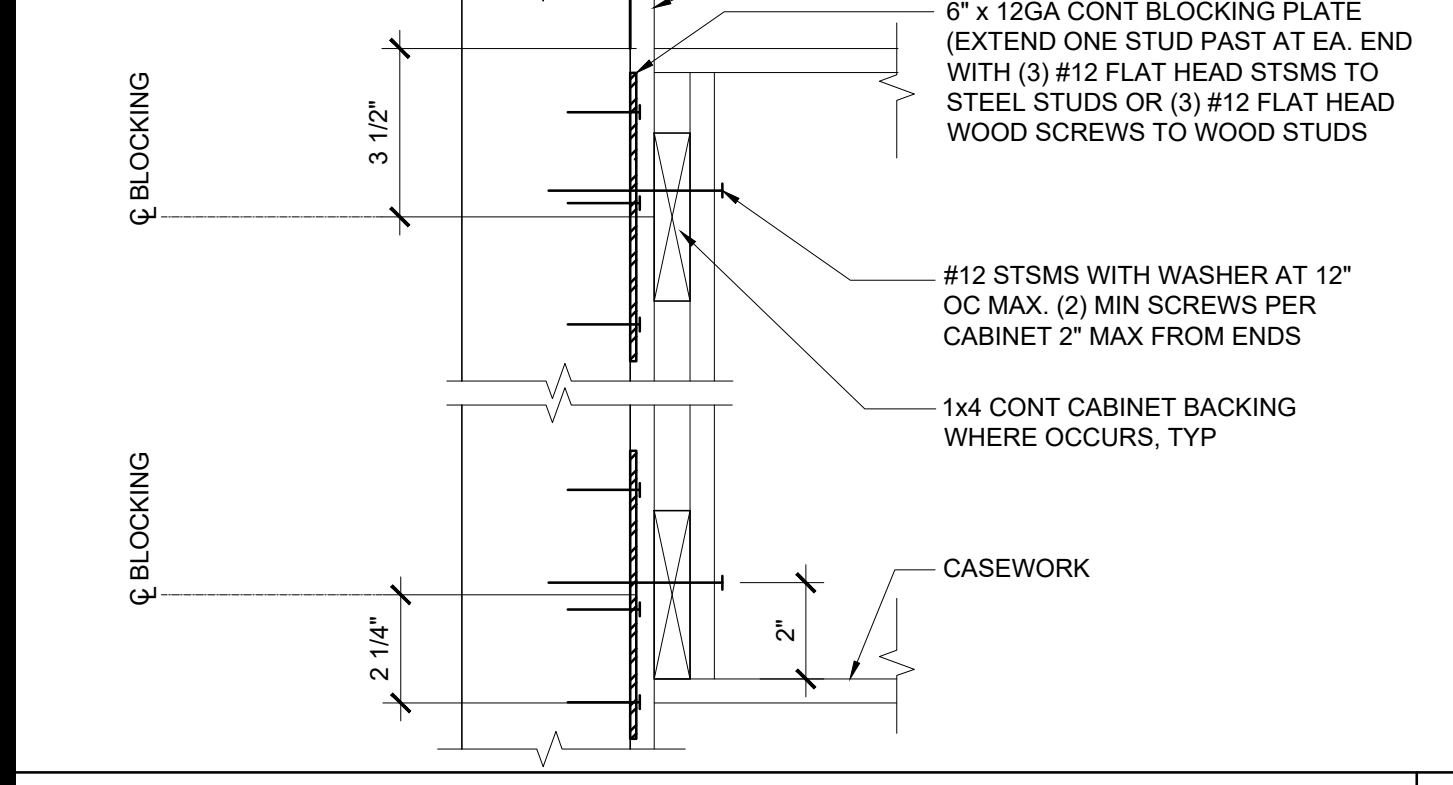
MARKER BOARD ATTACHMENT SCALE: 3" = 1'-0" 14



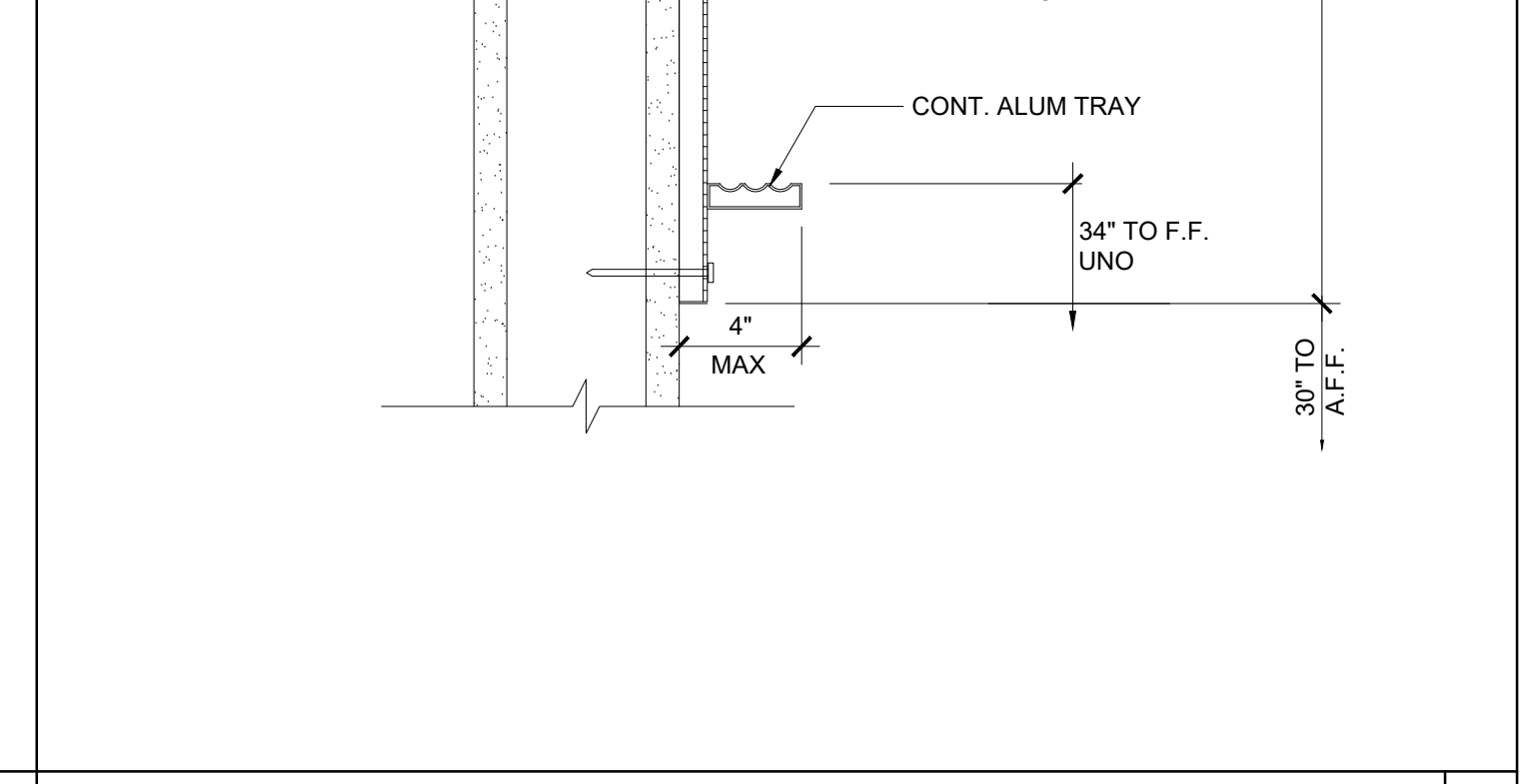
ATTACHMENT TO BLOCKING - WOOD FLOOR SCALE: 3" = 1'-0" 3



ACCESSIBLE COUNTER SCALE: 1" = 1'-0" 4



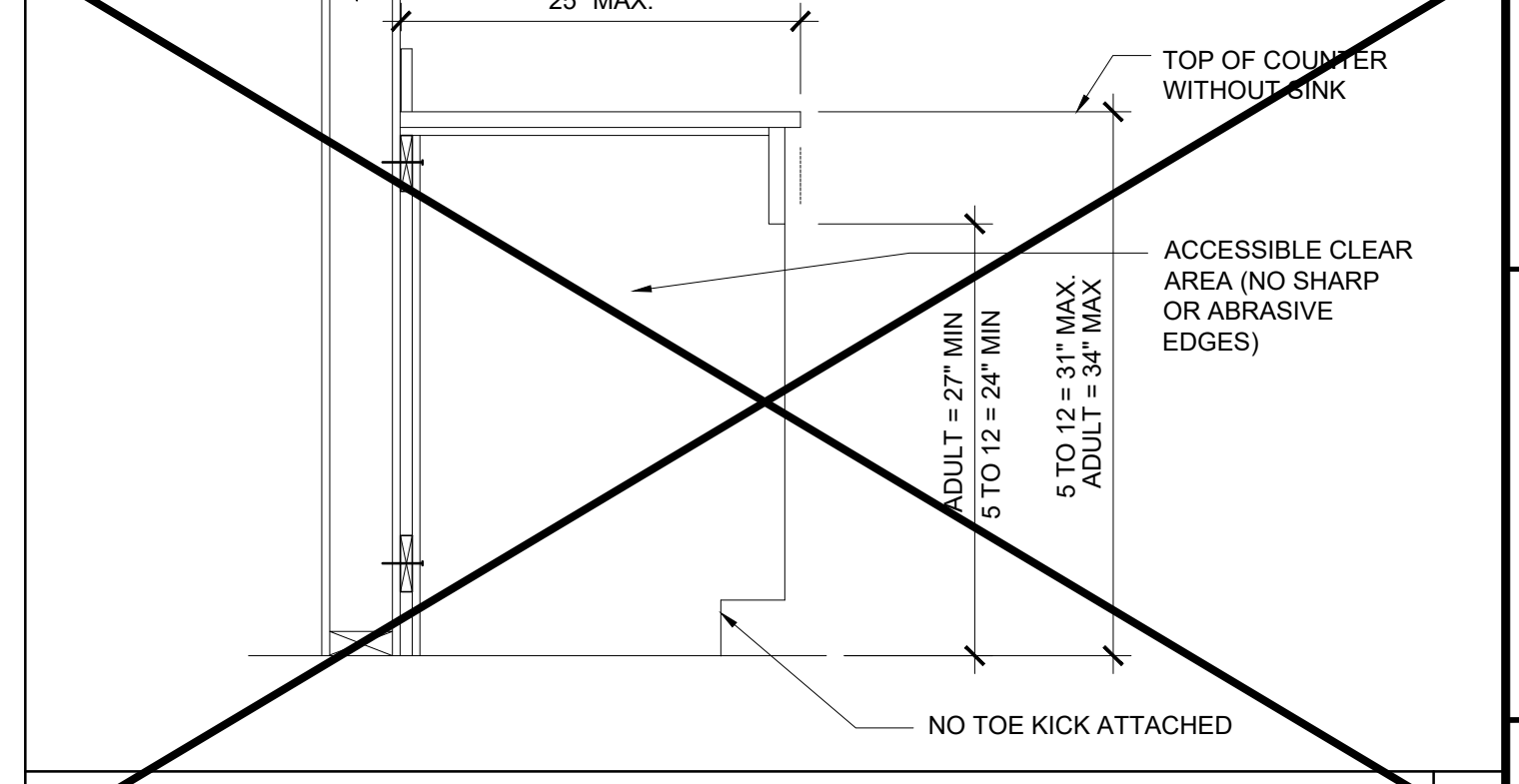
ATTACHMENT TO BLOCKING PLATE SCALE: 3" = 1'-0" 19



TEACHING WALL - ELEVATION / SECTION - OPTION SCALE: 3/8" = 1'-0" 15



NOT USED SCALE: 3" = 1'-0" 10



NOT USED SCALE: 1" = 1'-0" 5

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PROJECT NAME:
**SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS**

SHEET TITLE:
**ARCHITECTURAL
DETAILS
MISCELLANEOUS/OPTIONS**

REVISIONS

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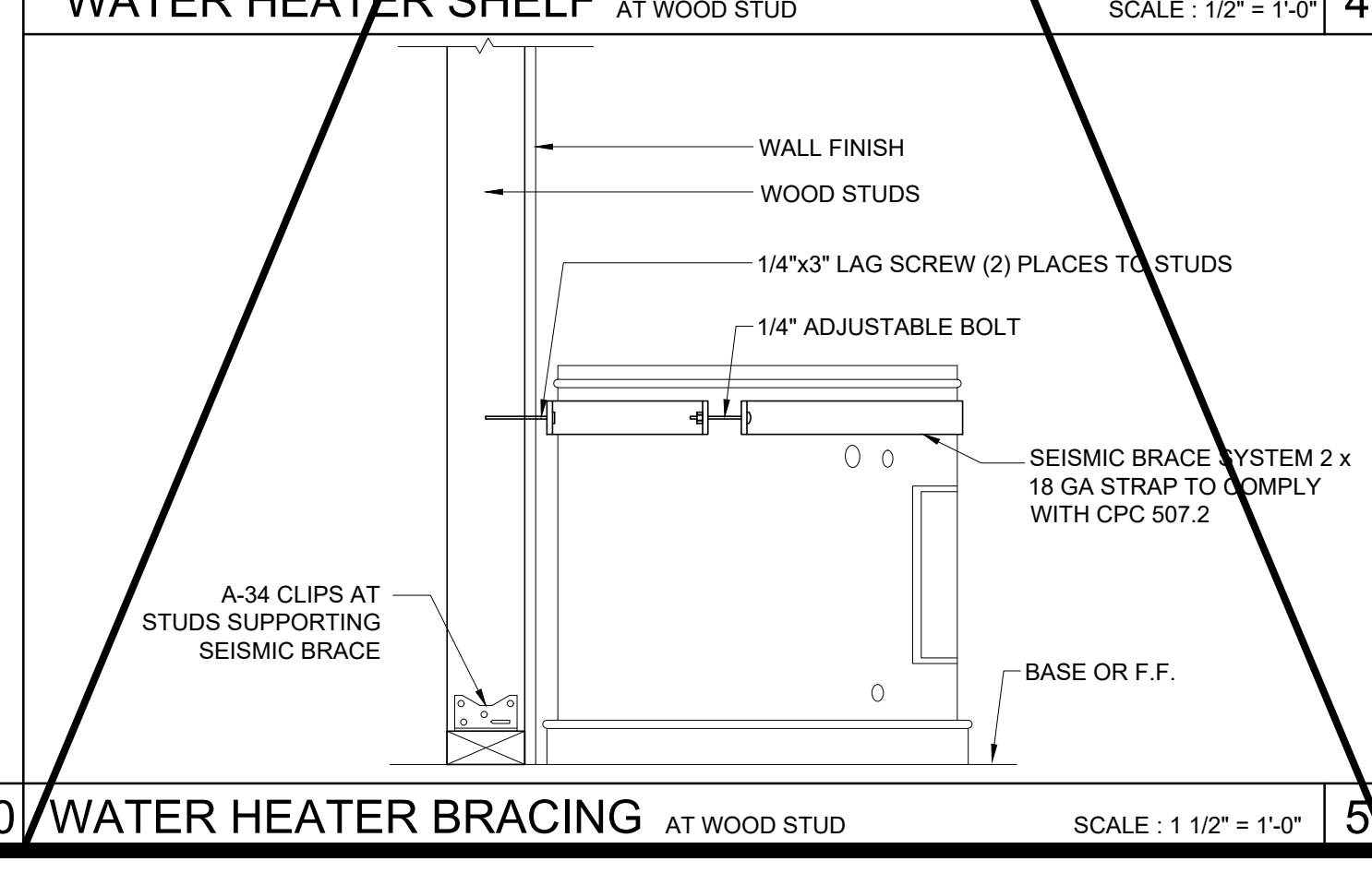
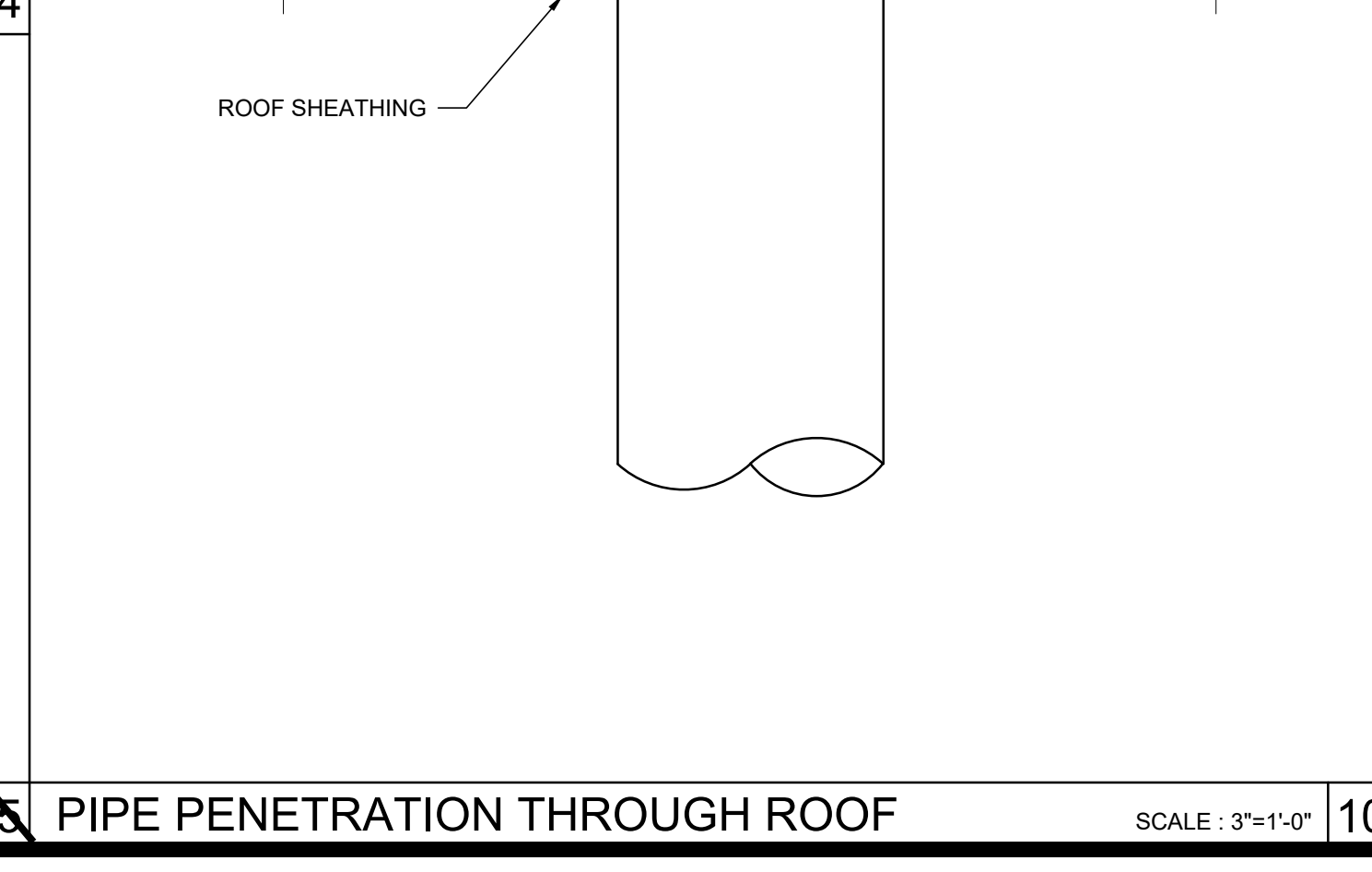
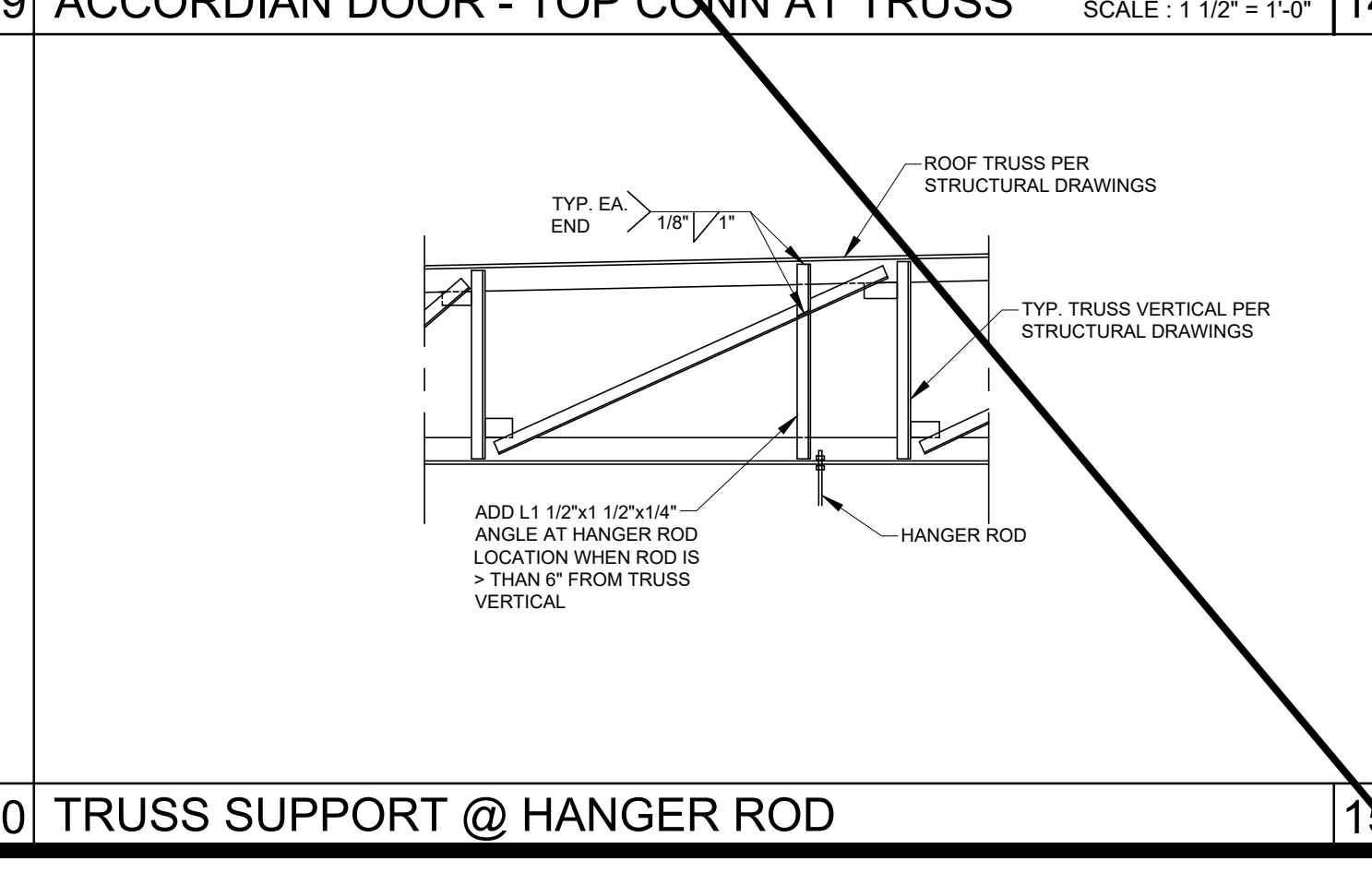
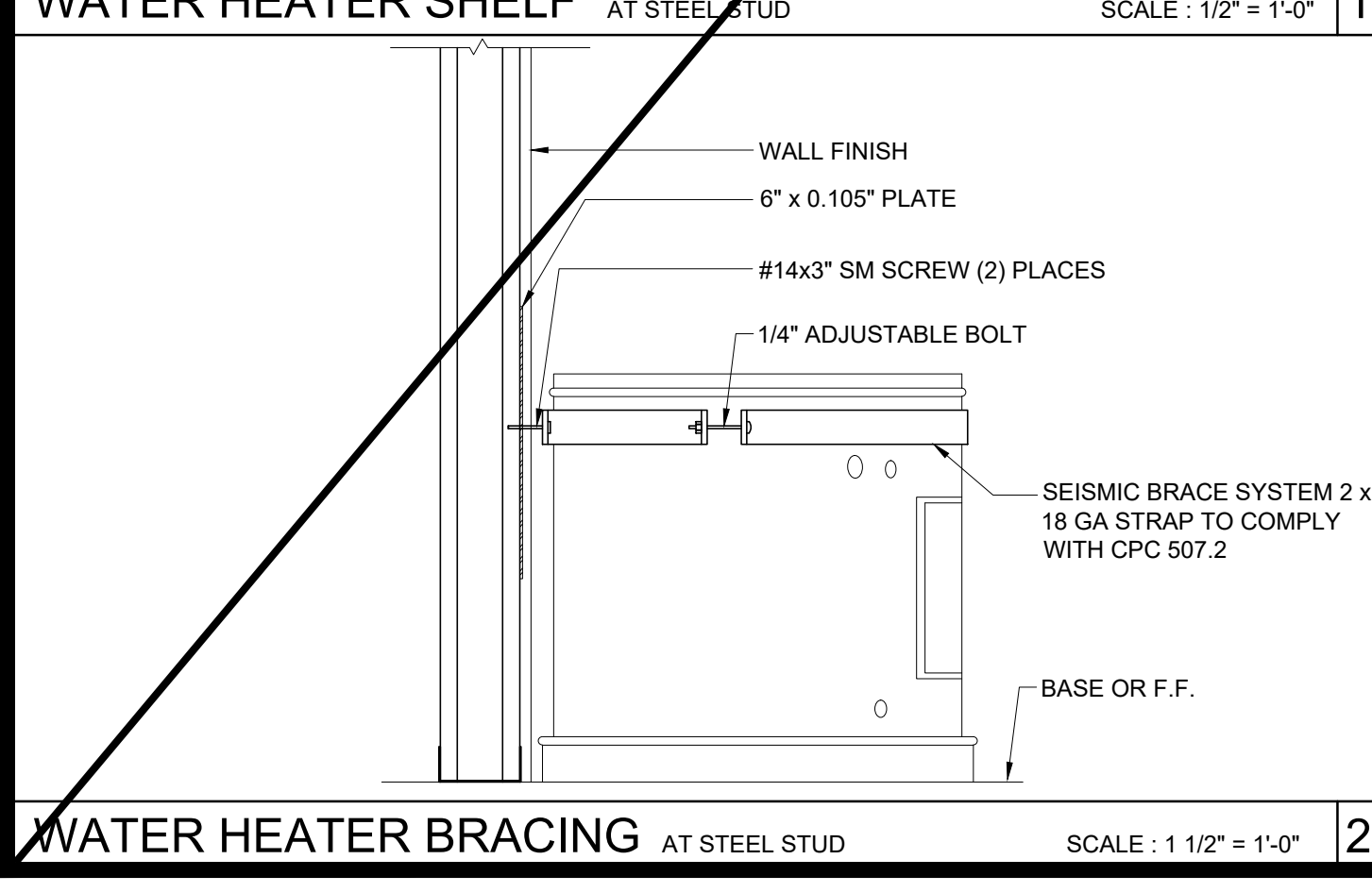
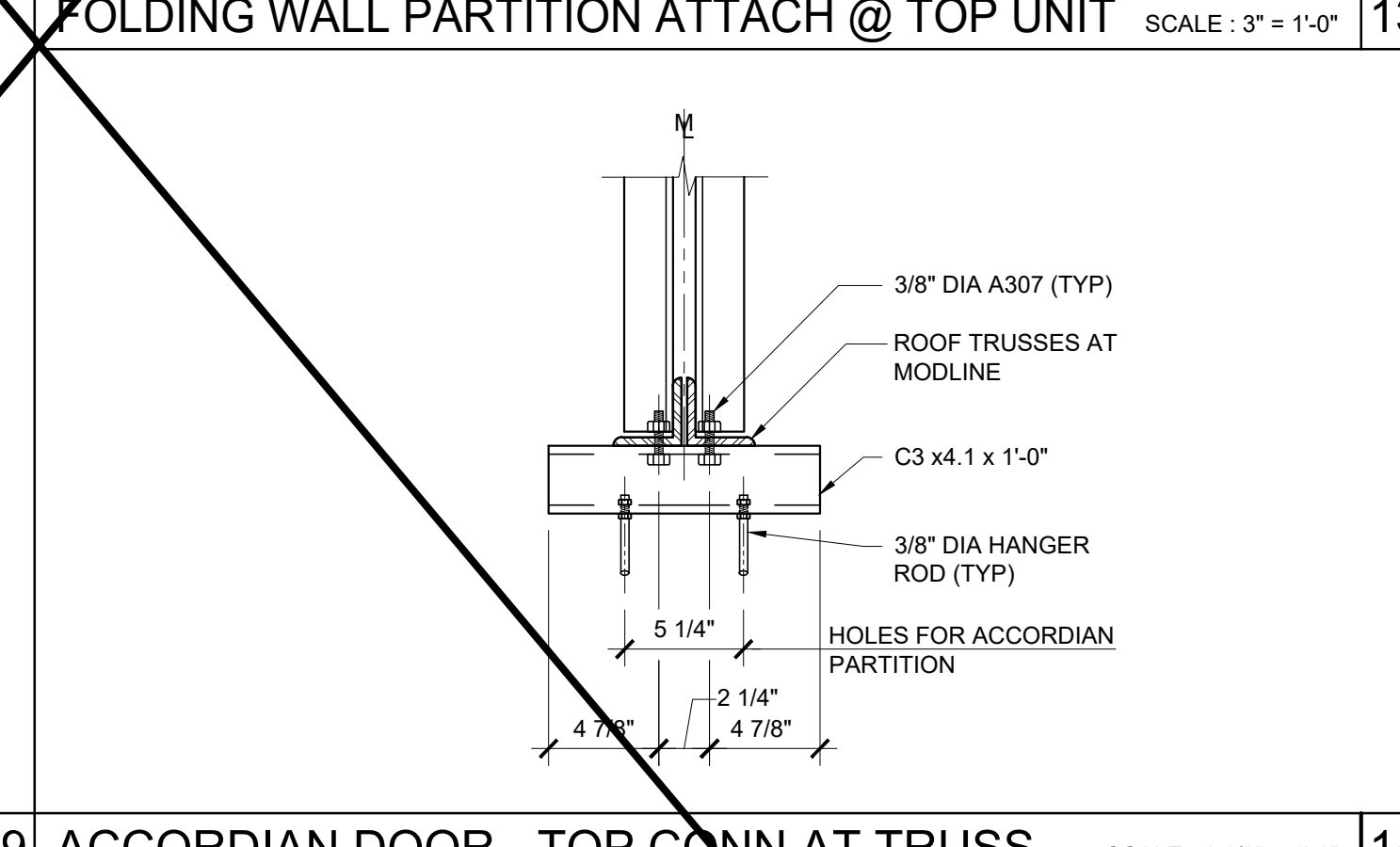
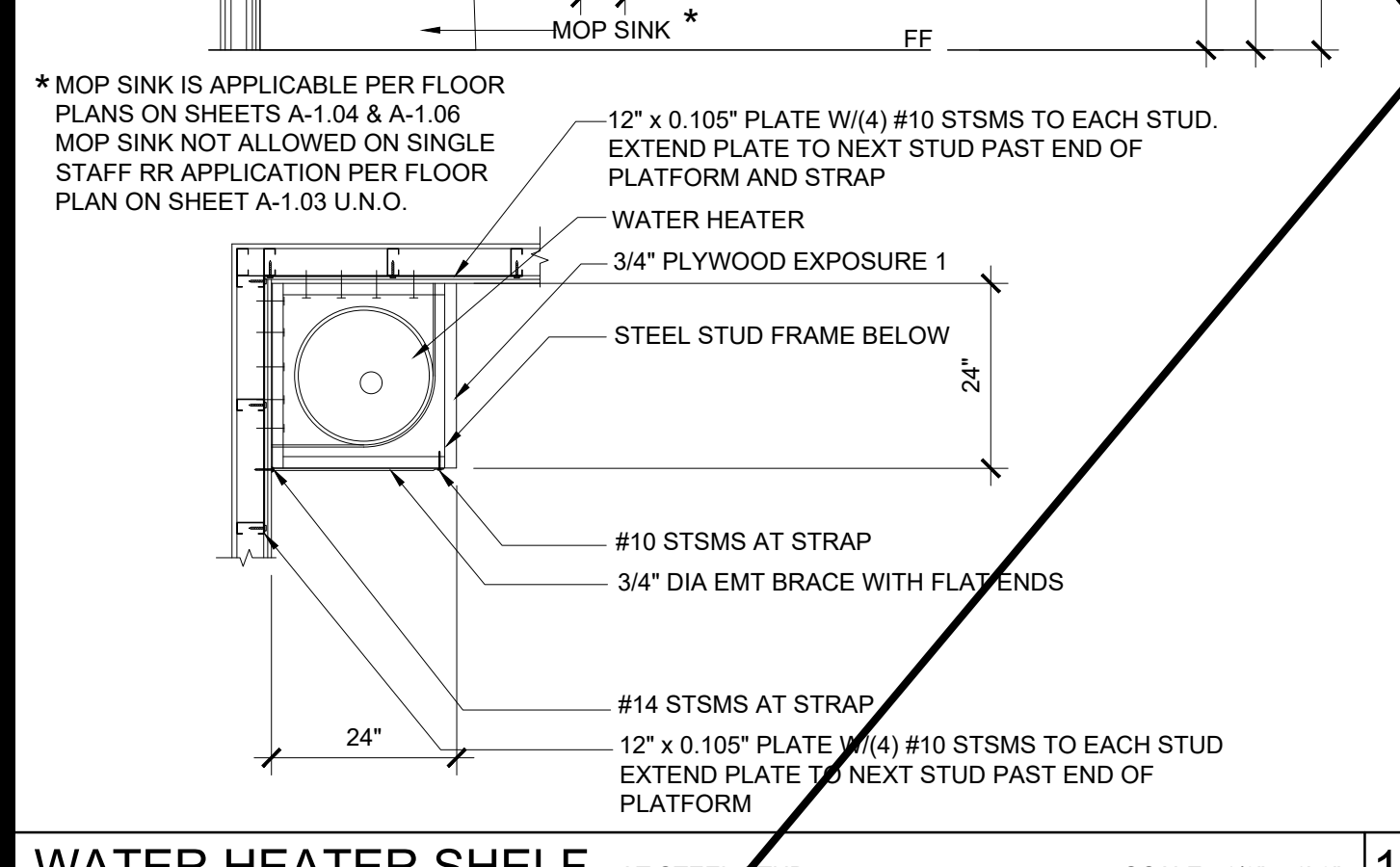
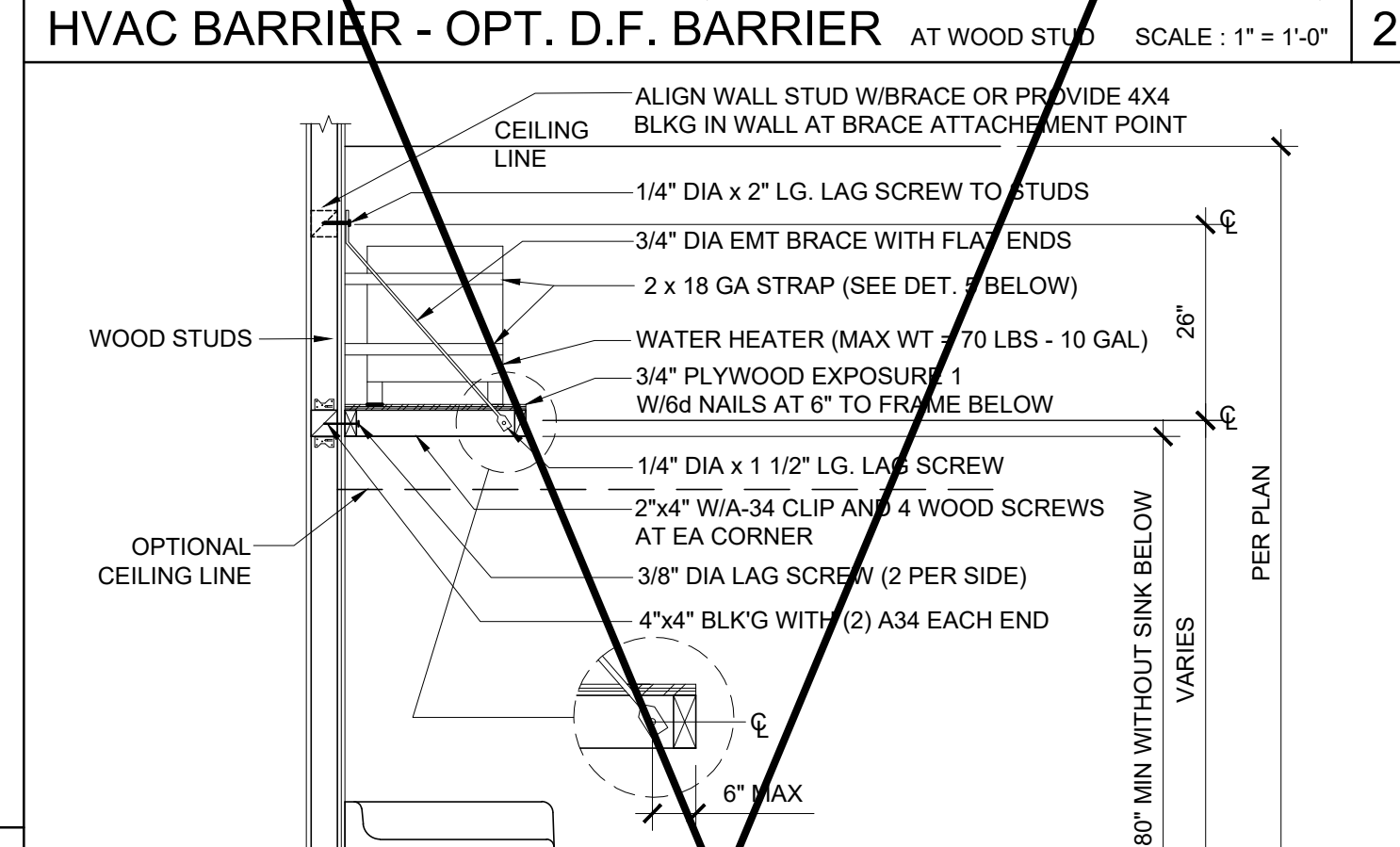
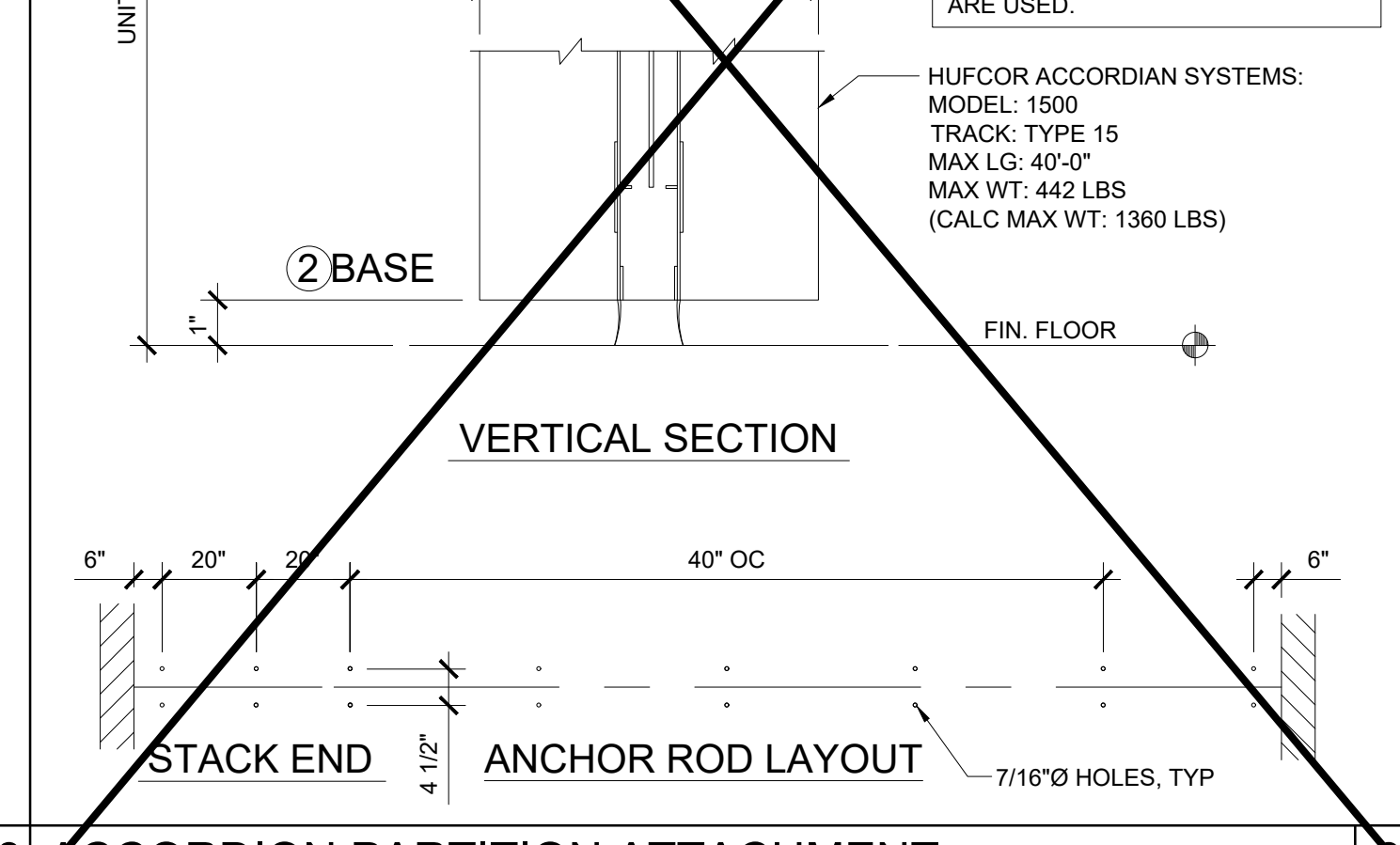
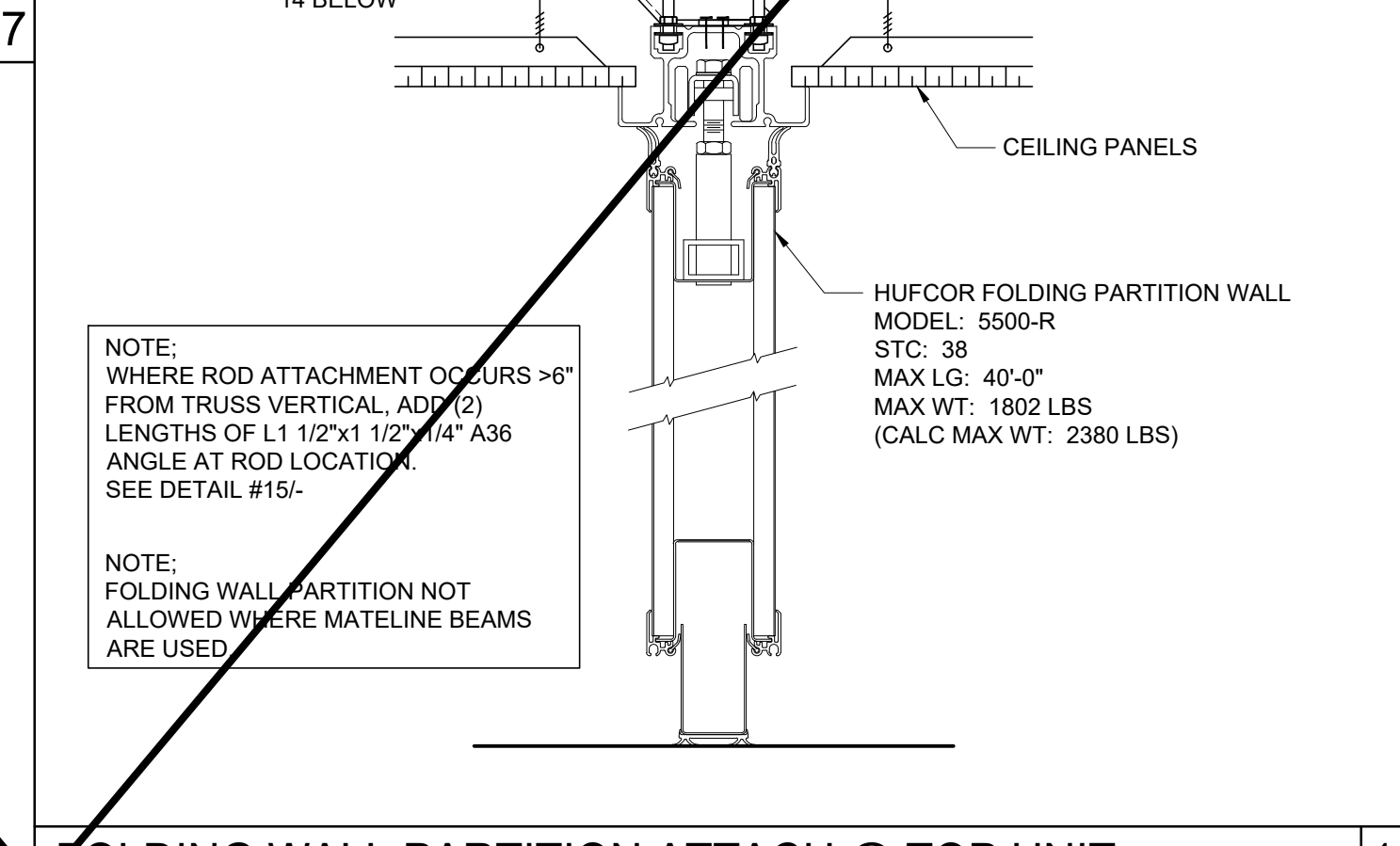
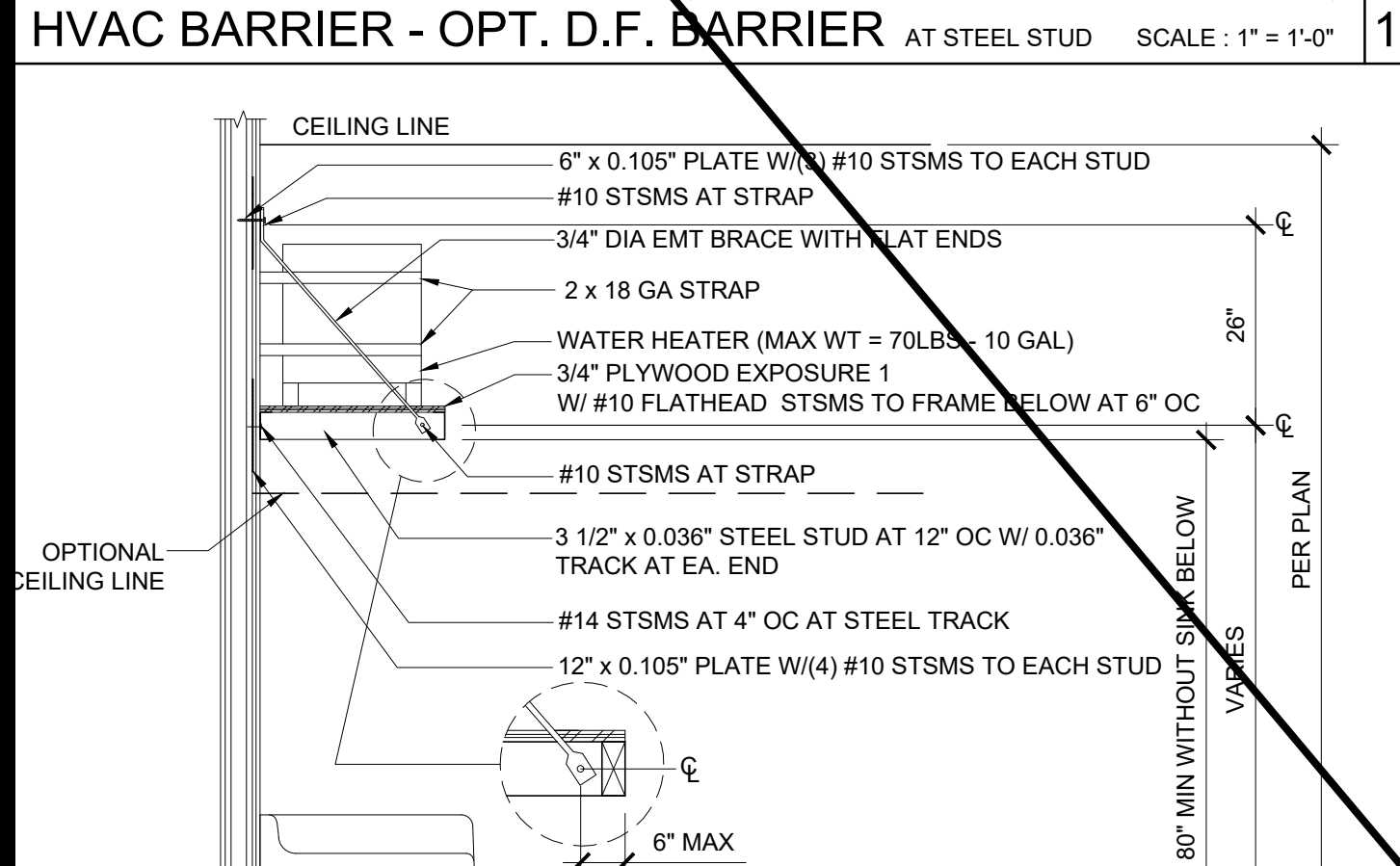
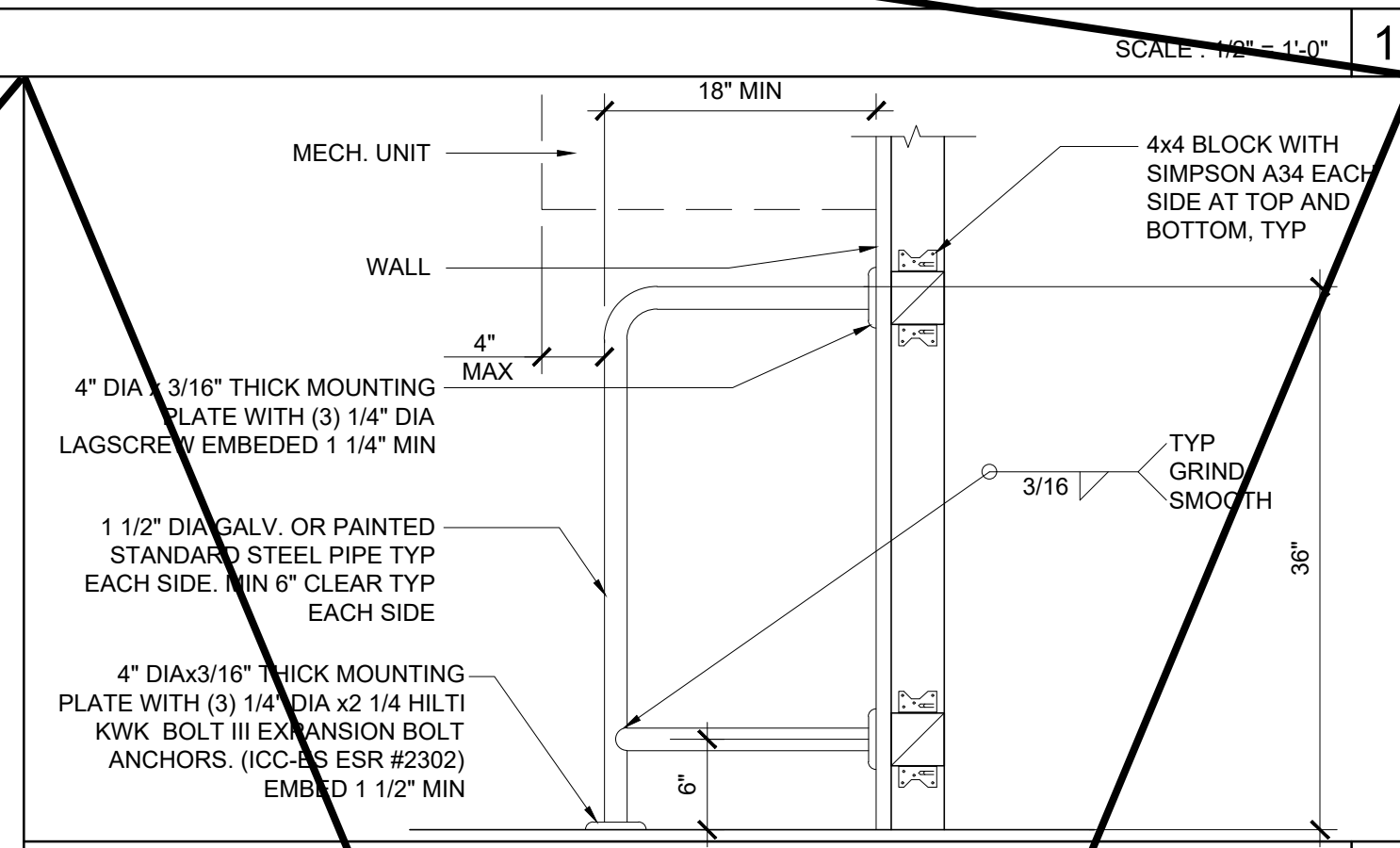
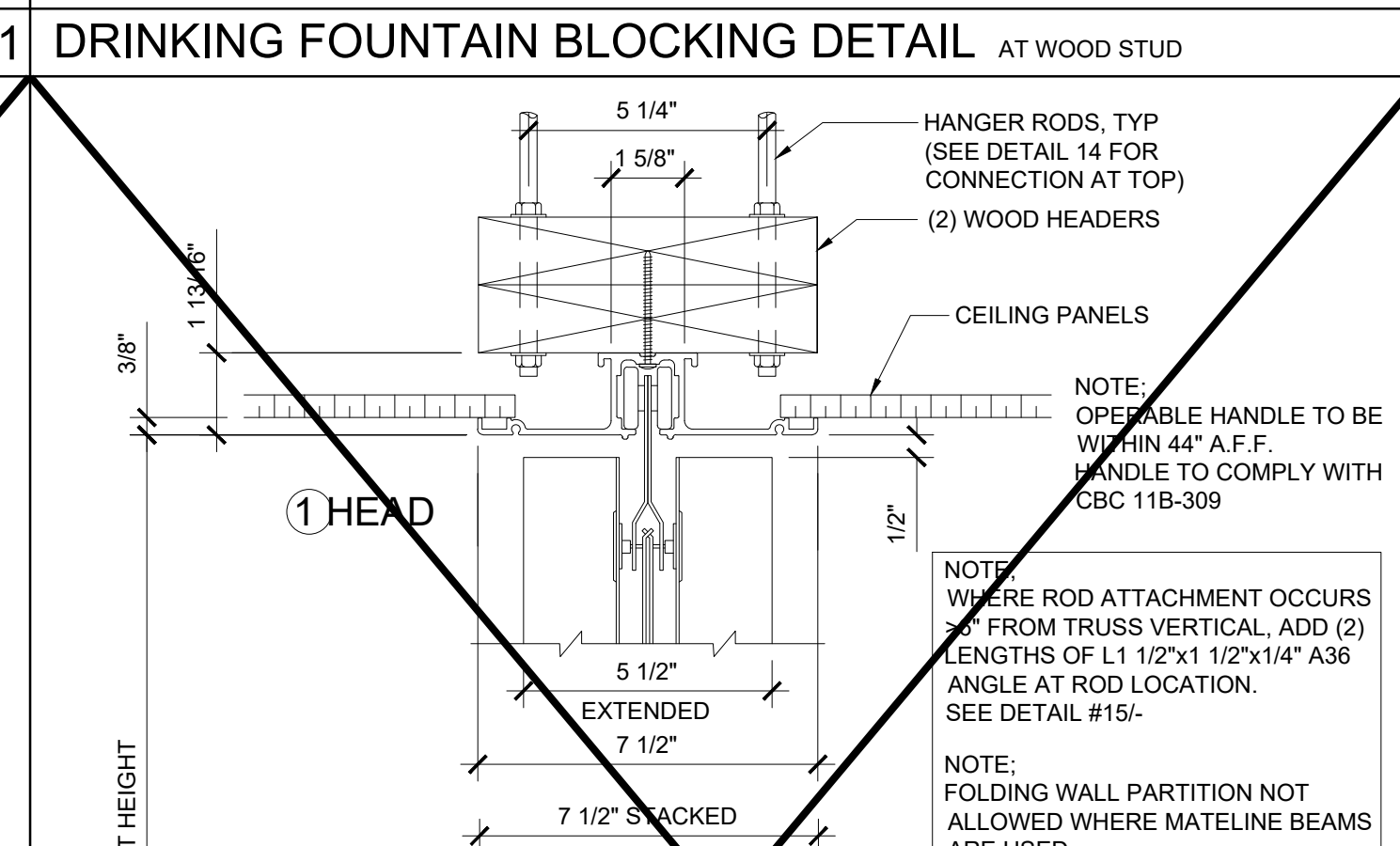
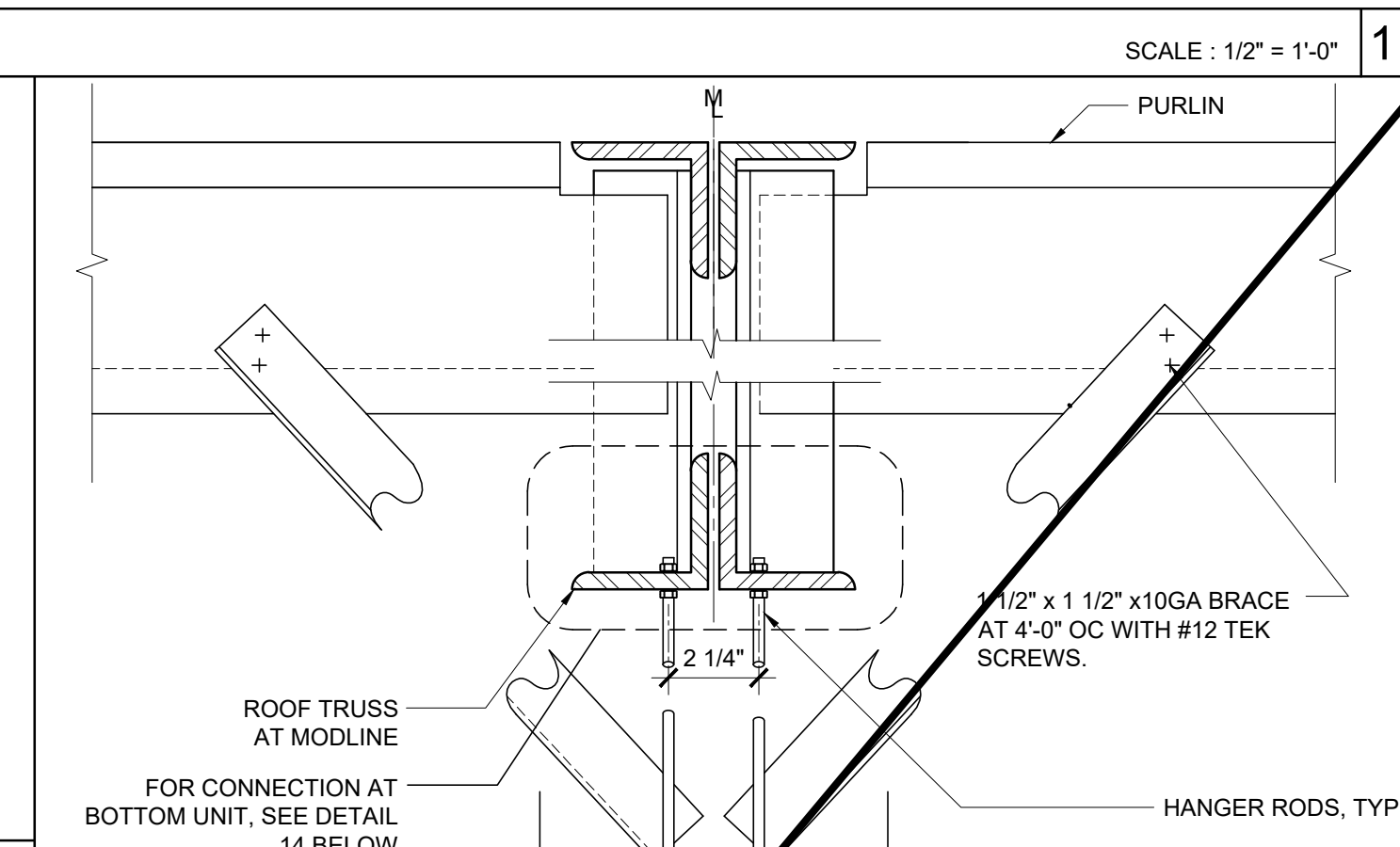
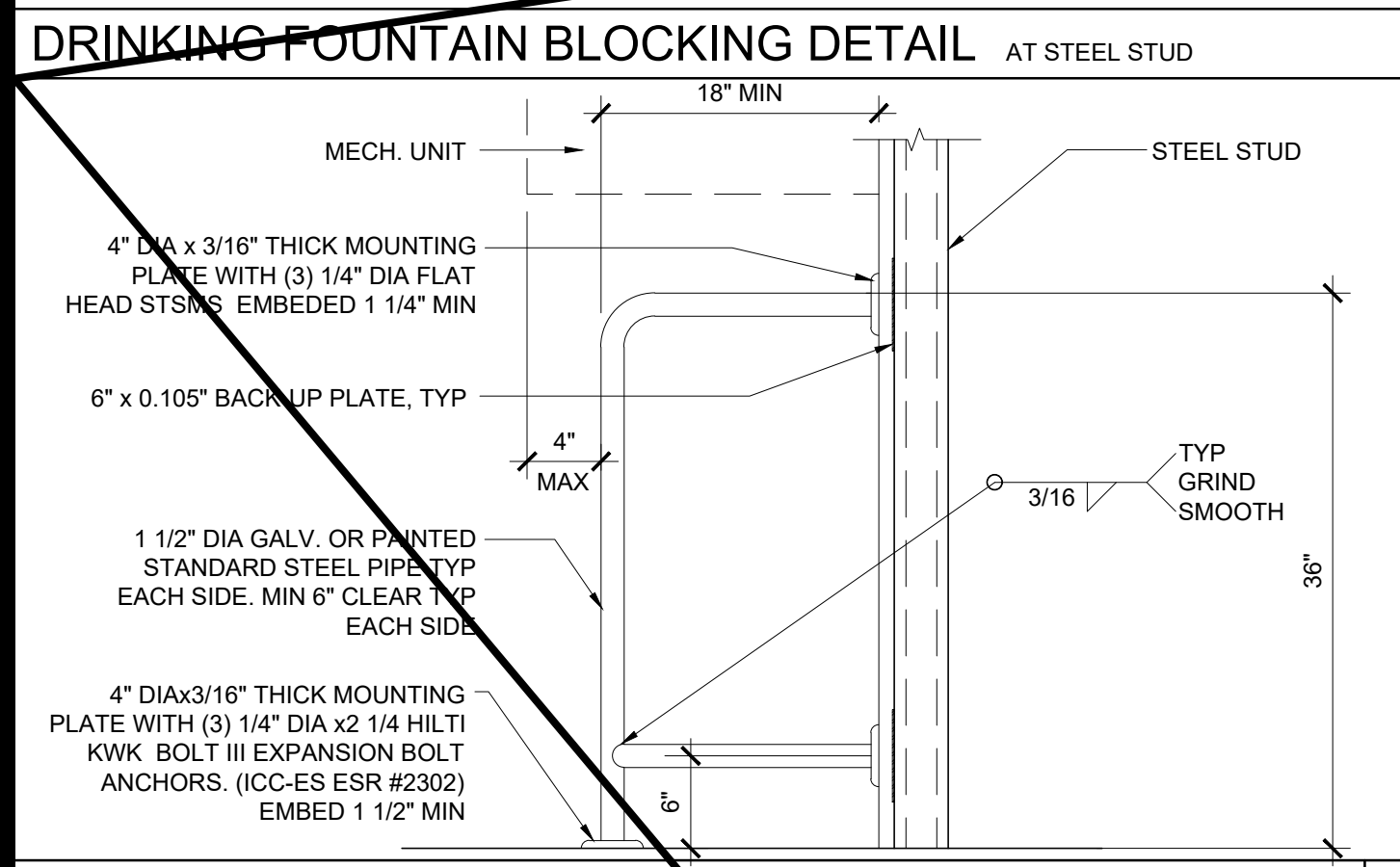
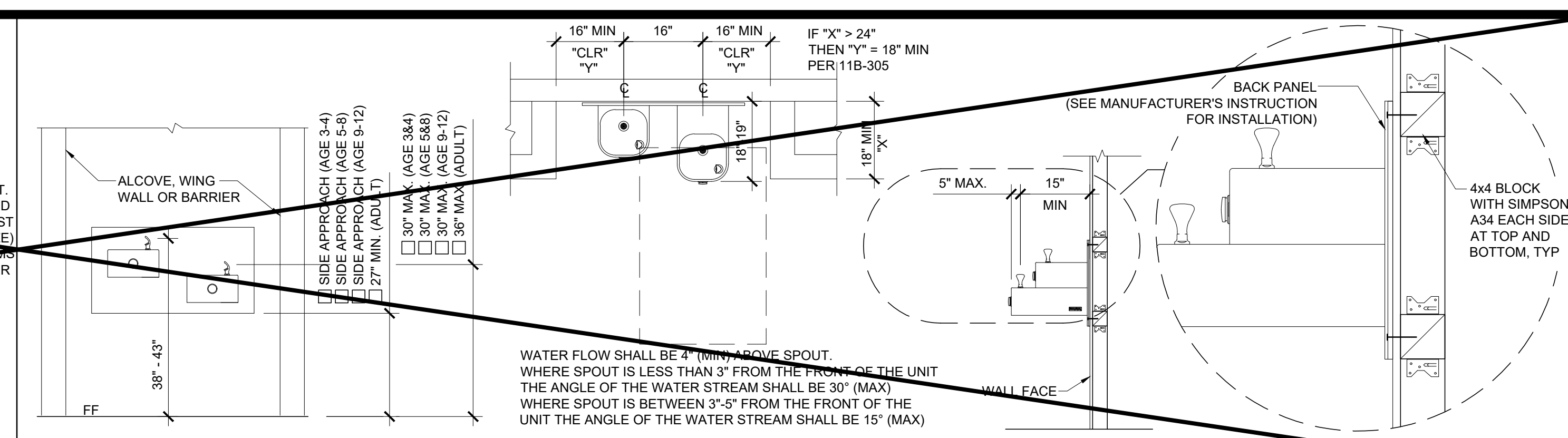
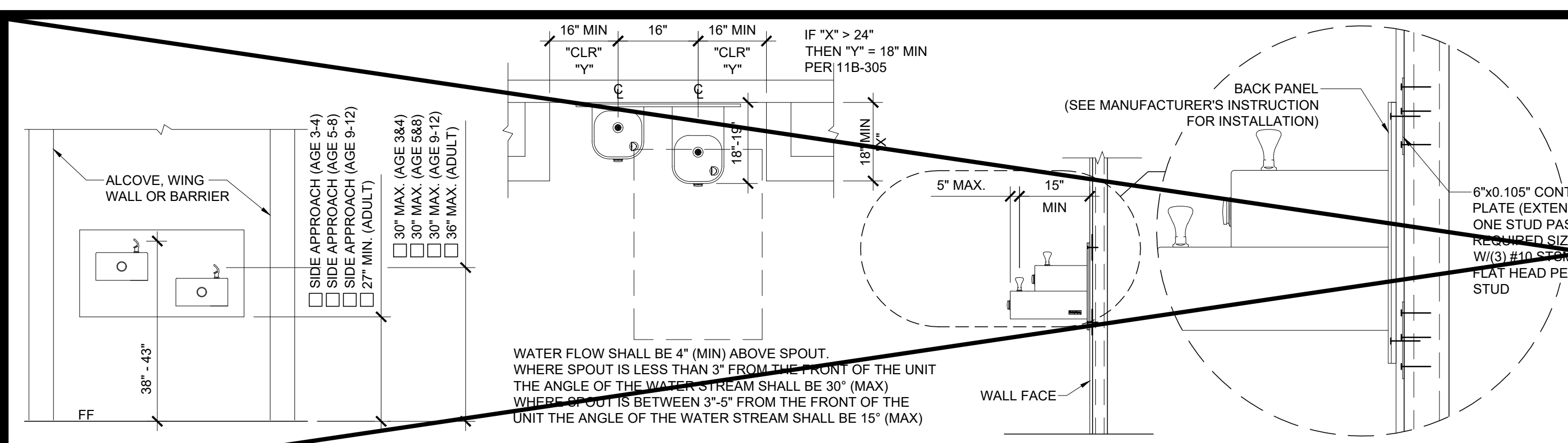
PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023
P.C. SHEET NUMBER
A-5.80



IDENTIFICATION STAMP
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(2) 24' x 40'
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SHEET TITLE:
**ARCHITECTURAL
DETAILS
MISCELLANEOUS/OPTIONS**

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-121999 INC:
REVIEWED FOR
SS FLS ACS
DATE: 08/31/2023

PC STATE AGENCY APPROVAL



MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023
P.C. SHEET NUMBER

A-5.81

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-122154 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
**SYLVAN USD
 CROSSROADS E.S.
 (2) 24' x 40'
 CLASSROOM BUILDINGS**

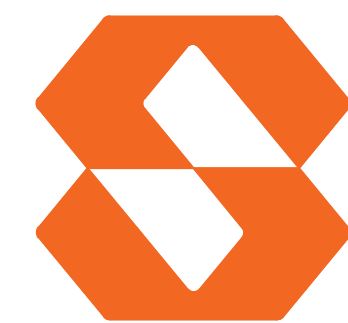
SHEET TITLE:
**INTERIOR ELEVATION
 24' x 40'**

REVISIONS

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Silver Creek
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

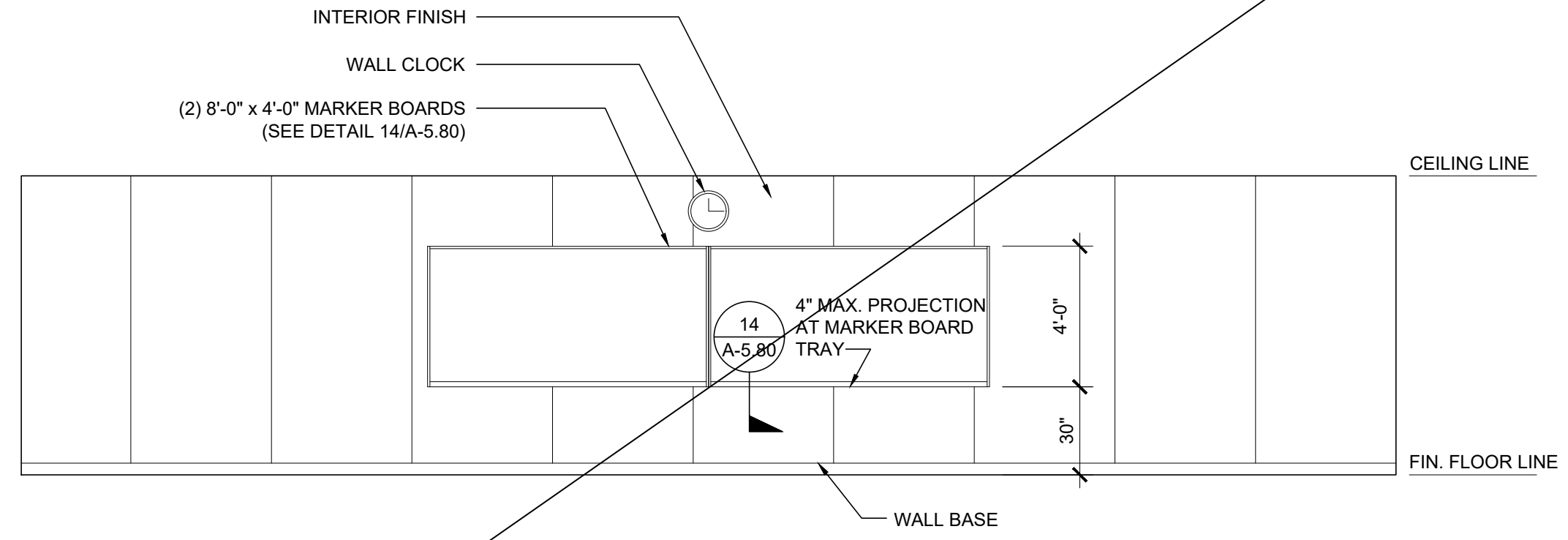
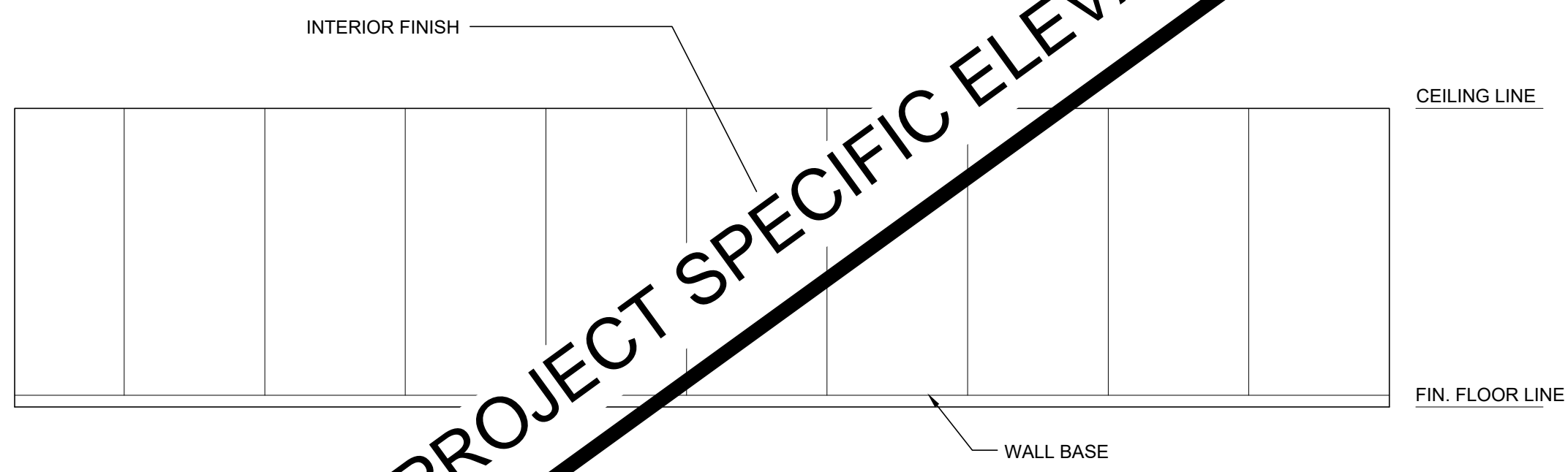
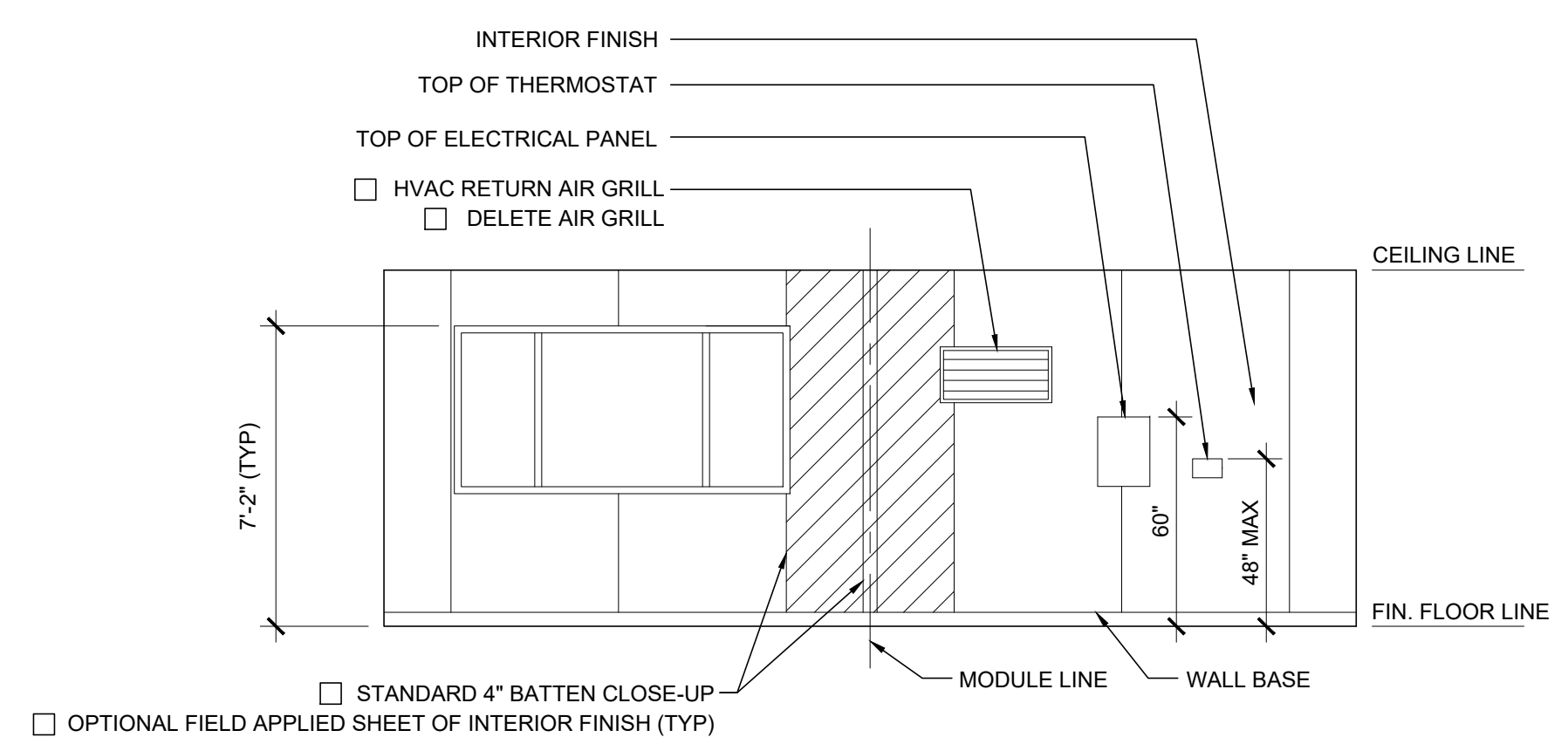
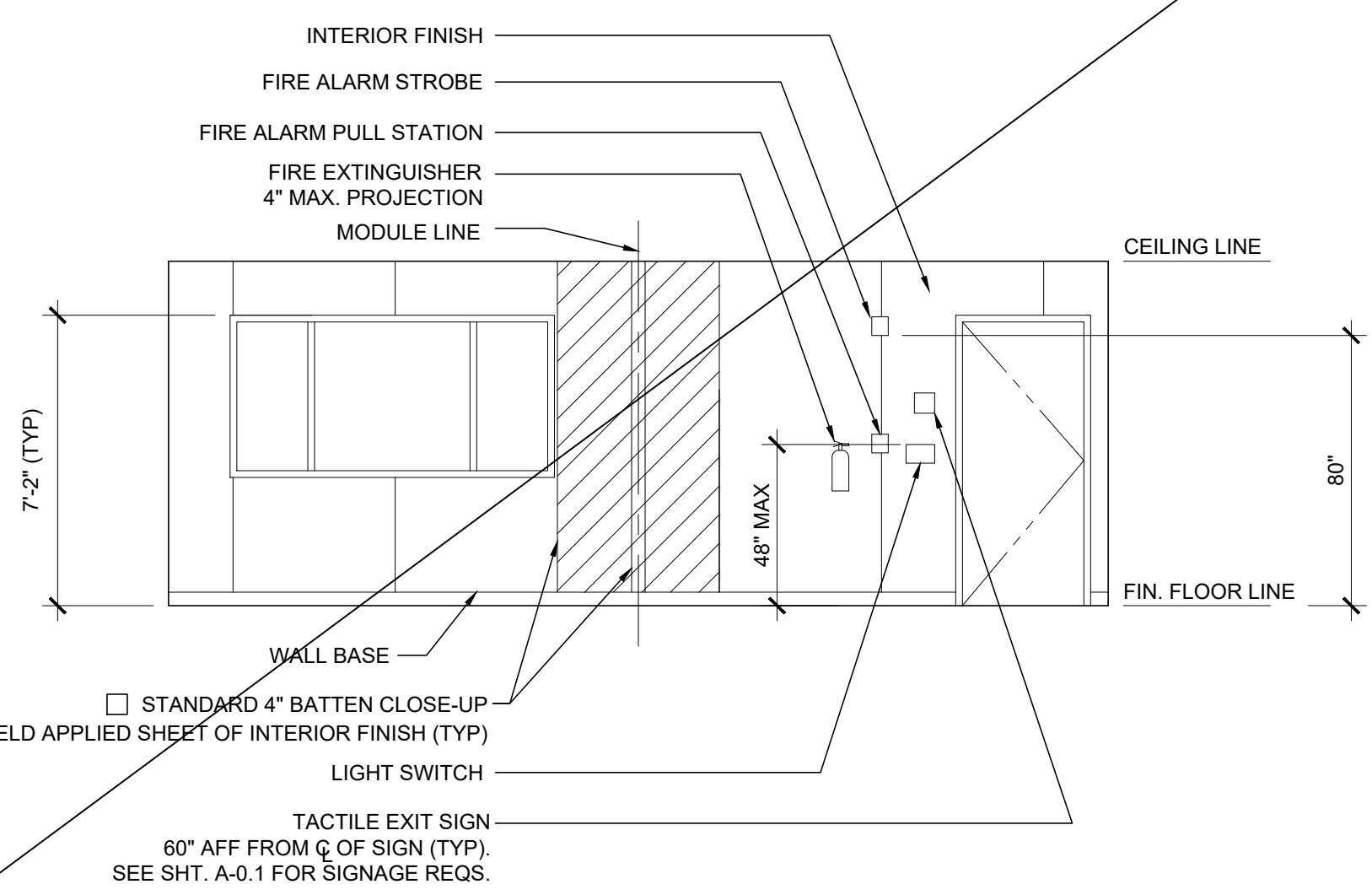
MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
 24' x 40' PC

PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 02-27-2023

P.C. SHEET NUMBER
A-6.01



REFER TO PROJECT SPECIFIC ELEVATION 2/A-1.01N

FRONT ELEVATION

REAR ELEVATION

SIDE ELEVATION

SIDE ELEVATION

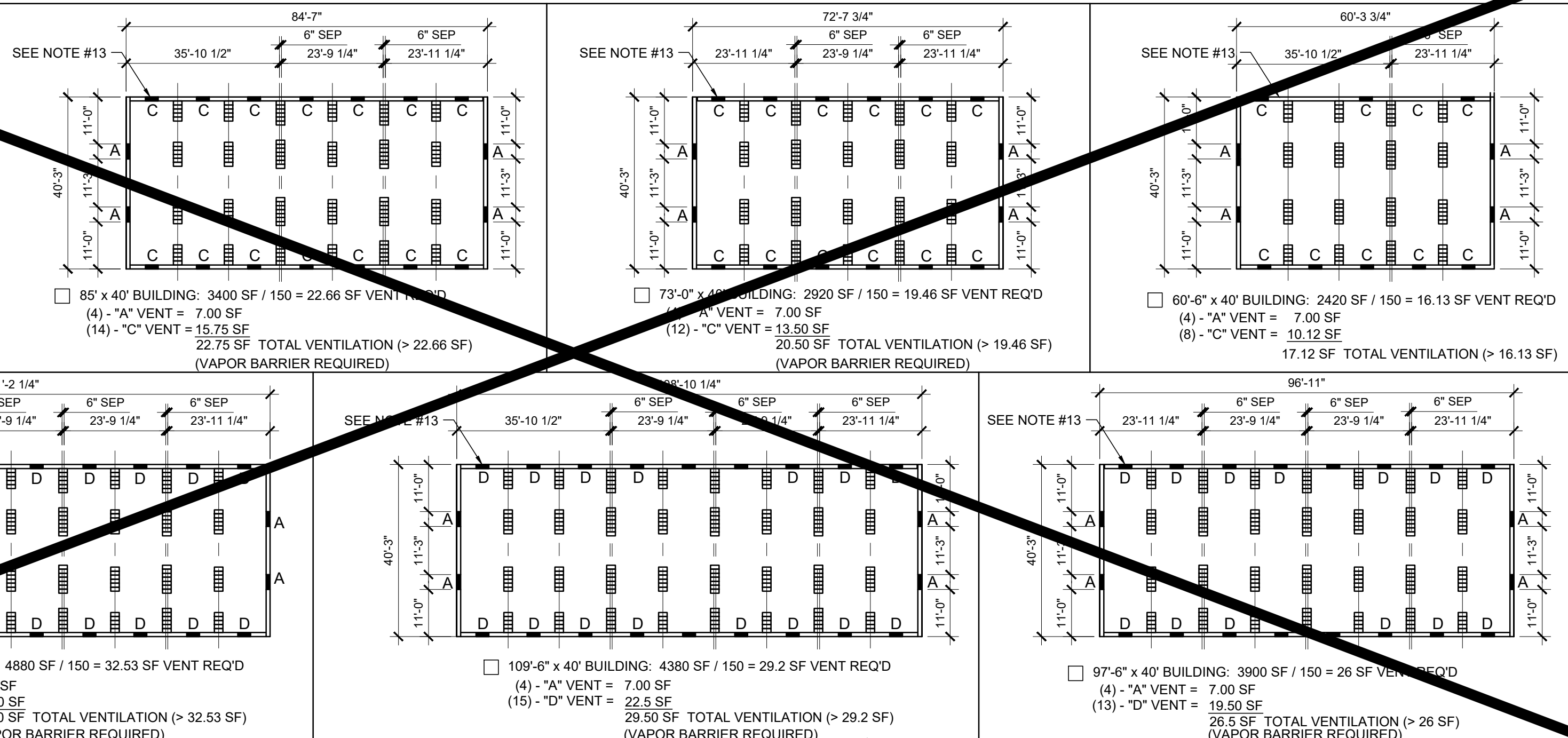
SCALE: 1/4" = 1'-0" 3

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

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

SCALE: 1/4" = 1'-0" 2

KEY PLAN VENTING CALCULATIONS w/o PARAPET



WOOD FOUNDATION PLATE SCHEDULE

50 + 15 PSF

PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT INTERIOR	SEPARATION PAD AT ENDWALL		SEPARATION PAD AT INTERIOR	
					SEPARATE	CONTINUOUS	SEPARATE	CONTINUOUS
ADDITIONAL (AS NEEDED)	2x4	2x4	2x6	2x6	(2) ROWS OF 2x4	2x12	(2) ROWS OF 2x4	2x12
TOP	2x6	2x6	2x8	2x8	(2) ROWS OF 2x6	2x12	(2) ROWS OF 2x6	2x12
BLOCK	2x8	2x8	2x10	2x10	(2) ROWS OF 2x8	2x12	(2) ROWS OF 2x8	2x12
SILL	2x12 (2x14) ¹⁵	2x12 (2x14) ¹⁵	2x12 x 2'-0"	2x12 x 2'-0"	(2) ROWS OF 2x14	(9) 2x12 x 2'-0"	(2) ROWS OF 2x14	(8) 2x12 x 2'-0"

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KEY PLAN VENTING SCHEDULE

VENT "A" (SIDEWALL): 3'-6" x 6" = 1.75 S.F. VENTILATION
 "VENT OPENING BELOW CONT UPPER PLATE"

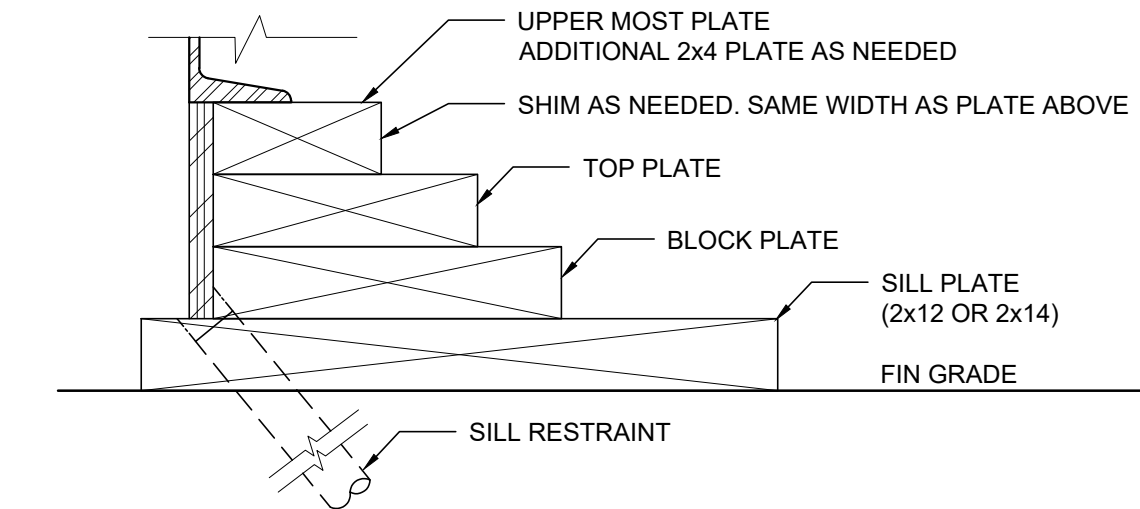
VENT "B" (ENDWALL): 3'-0" x 3" = 0.88 S.F. VENTILATION
 (OPTIONAL AT MULTIPLE BLDG SETS)
 "VENT OPENING ABOVE CONT. SILL AND BLOCK PLATE"

VENT "C" (ENDWALL): 3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
 (OPTIONAL AT MULTIPLE BLDG SETS)
 "VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

VENT "D" (ENDWALL): 3'-0" x 6" = 1.5 S.F. VENTILATION
 (OPTIONAL AT MULTIPLE BLDG SETS)
 "VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

NOTE:
 @ BUILDINGS WITH PARAPETS UP TO 48" HIGH, SIDE WALL VENTS CHANGE FROM 3'-6" TO 3'-0", SEE VENTING SCHEDULE

FOUNDATION PLATE DESCRIPTION



NOTES

- BUILDINGS OVER 2,160 SF, MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION PER IR 16-1 ITEM 1.4.
- FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL ALLOWED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULAR FLOORS.
- FOUNDATION VENTS THAT OCCUR UNDER RAMP LANDINGS, PROVIDE AN EQUAL AREA OF SCREENED VENT IN LANDING SKIRT.
- WOOD SILL (FOOTING) PLATES SHALL BE PRESSURE TREATED HEM-FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING BY OTHERS. THE WOOD SILL FOOTING PLATE MAY SUPPORT CONTINUOUS BLOCKING AND SHEATHING SKIRT WHICH NEED NOT BE TREATED.
- SILL RESTRAINT:
 THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES. AN ACCEPTABLE DESIGN WOULD INCORPORATE ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPES OR ONE-INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" O.C. ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATIONS STRIP. PIPES SHOULD PENETRATE INTO SOIL, CONCRETE, AND/OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. ALTERNATE OR EQUIVALENT DESIGNS, WHEN PROVIDED WITH STRUCTURAL CALCULATIONS AND DETAILS, WILL BE SUBMITTED TO DSA FOR REVIEW AND APPROVAL.
- STACKED WOOD MEMBERS FOR FOUNDATIONS AND PRESSURE TREATED LUMBER SHALL BE NAILED WITH HOT DIPPED GALVANIZED PER ASTM A-153.
- VENTILATION OPENINGS SHALL BE COVERED FOR EITHER HEIGHT AND WIDTH WITH CORROSION - RESISTANT WIRE MESH, WITH A CLEAR "THROUGH" DIMENSION NOT EXCEEDING 1/8" ACTING AS A VERMIN BARRIER.
- VENTING CALCULATION REQUIREMENTS FOR MULTIPLE BUILDING SETS MUST BE CALCULATED WITH OVERALL SQUARE FOOTAGE INCLUDING SEPARATION.
- FOR FOUNDATION ANCHORAGE ON CONCRETE PAD, SEE DETAIL 15/F-0.50.
- IF OPTIONAL ENDWALL VENTS ARE APPLIED, SILL PLATE AND BLOCK PLATE MUST BE CONTINUOUS. VENT OPENINGS SHALL BE BROKEN ABOVE THE BLOCK PLATE.
- FOR FOUNDATION SPLICE - SEE SIF-0.50.
- CRAWLSPACE VAPOR RETARDERS (WHERE INDICATED):
 THE OPTIONAL TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 FACTOR WITH AN APPROVED VAPOR RETARDER MATERIAL PER CBC SECTION 1202.4.1.2.
 MATERIALS:
 GROUND SURFACE COVERED WITH AN APPROVED VAPOR RETARDER MATERIAL; MUST HAVE A PERM RATING OF ONE OR LESS; SHOULD BE CONTINUOUS; POLYETHYLENE FILM (6 MIL), POOL LINER (PUNCTURE RESISTANT); AND POLYETHYLENE FILM WITH RAT SLAB INSTALLATION RECOMMENDATIONS:
 OVERLAP JOINTS BY 6 INCHES; TAPE OR SEAL ALL JOINTS; ATTACH VAPOR RETARDER OVER SILL PLATE PER 10/F-0.50; SEAL TO ALL PIERS AND OTHER PENETRATIONS.
- ENDWALL VENTS (IF REQ'D) SHALL BE LOCATED A MIN OF 24" FROM BUILDING CORNERS. MAXIMUM ONE ENDWALL VENT PER 12'-0" MODULE.
- CONCRETE FLOOR LOAD IS INCLUDED IN THE CONCRETE FOUNDATION OPTION FOR FOUNDATION & ANCHORAGE DESIGN. I.E. THERE IS NO CONCRETE FLOOR FOR WOOD FOUNDATION OPTION. THERE IS CONCRETE FLOOR FOR CONCRETE FOUNDATION OPTION.
- IF PARAPET IS HIGHER THAN 18". COMBINATION REQUIRES A 2 X 14" OR 2 X 16" SILL PLATE @ EXTERIOR OF BUILDING.
- 150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OR PARAPET OPTION.
- VENTS AT MODLINE FOUNDATIONS. THE MINIMUM CRITERIA REQUIREMENT AS FOLLOWS:
 A. VENTS HAVE A MINIMUM OF 2 SILL / BLOCKING PLATES BENEATH.
 B. VENTS ARE A MAXIMUM OF 6'-0" LONG X 3" MIN. HIGH.
 C. VENTS ARE SPACED A MINIMUM OF 8'-0" APART (EDGE TO EDGE) AND 24" MIN. FROM CORNERS.
- WHERE THE BUILDING OCCURS ON OR ADJACENT TO A SLOPE (GREATER THAN 33%) THE SETBACK SHALL COMPLY WITH CBC SECTION 1808A.7. THE MINIMUM SETBACK AT THE TOP OF THE SLOPE SHALL BE NOT LESS THAN SMALLER OF 40'-0" OR 1/3 THE HEIGHT OF THE SLOPE. THE MINIMUM SETBACK AT THE BOTTOM OF THE SLOPE SHALL BE NOT LESS THAN THE SMALLER OF 15'-0" OR 1/2 THE HEIGHT OF THE SLOPE. THE SETBACK DISTANCES INDICATED HERE MAY BE REDUCED WHEN A SITE SPECIFIC GEOTECHNICAL REPORT IS PROVIDED.

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SYLVAN USD
 CROSSROADS E.S.
 (2) 24' x 40'
 CLASSROOM BUILDINGS

SHEET TITLE:
 WOOD
 FOUNDATION PLAN
 24x40
 (50+15 PSF)
 REVISIONS

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 PHONE: 951-943-5393 FAX: 951-943-2211

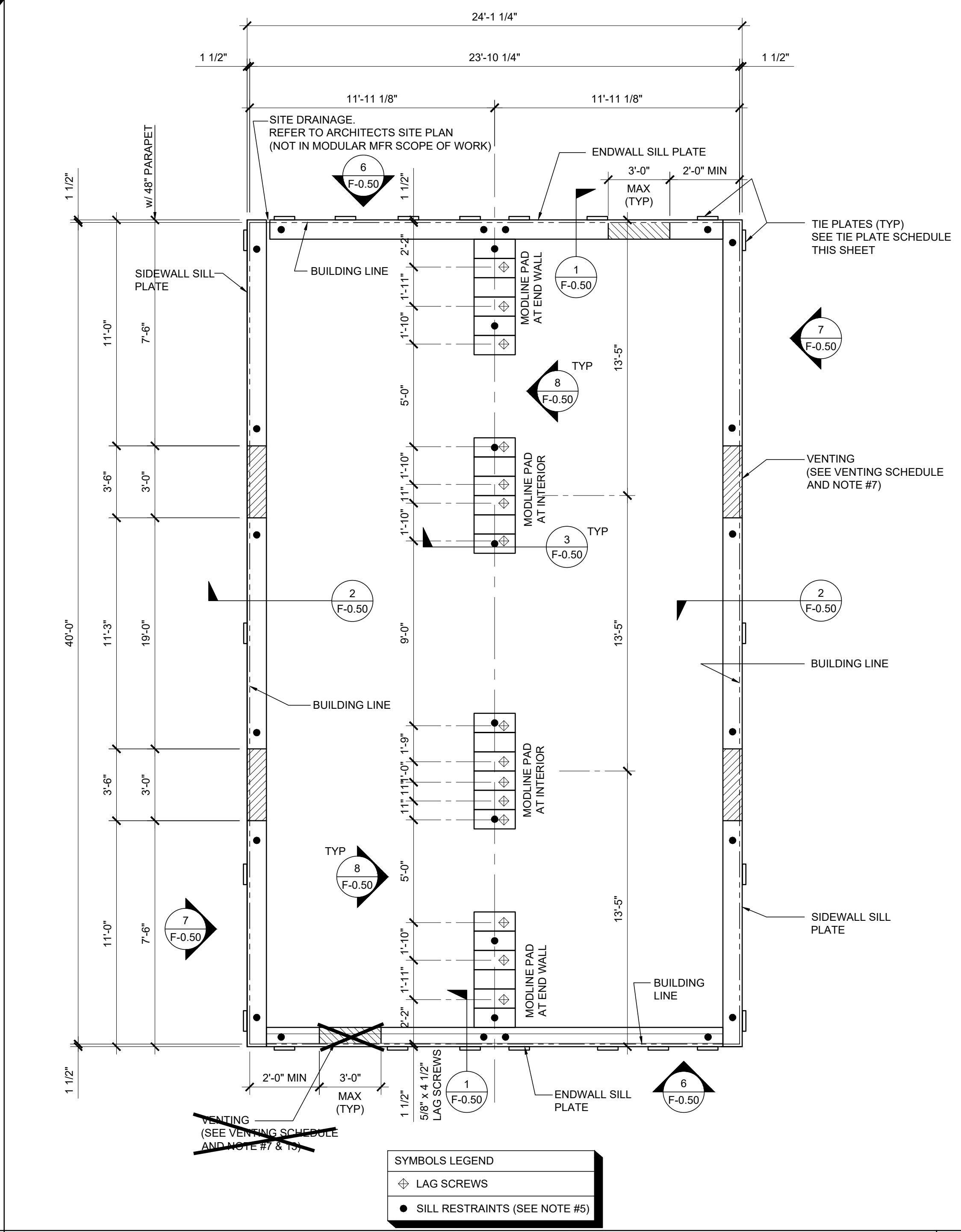
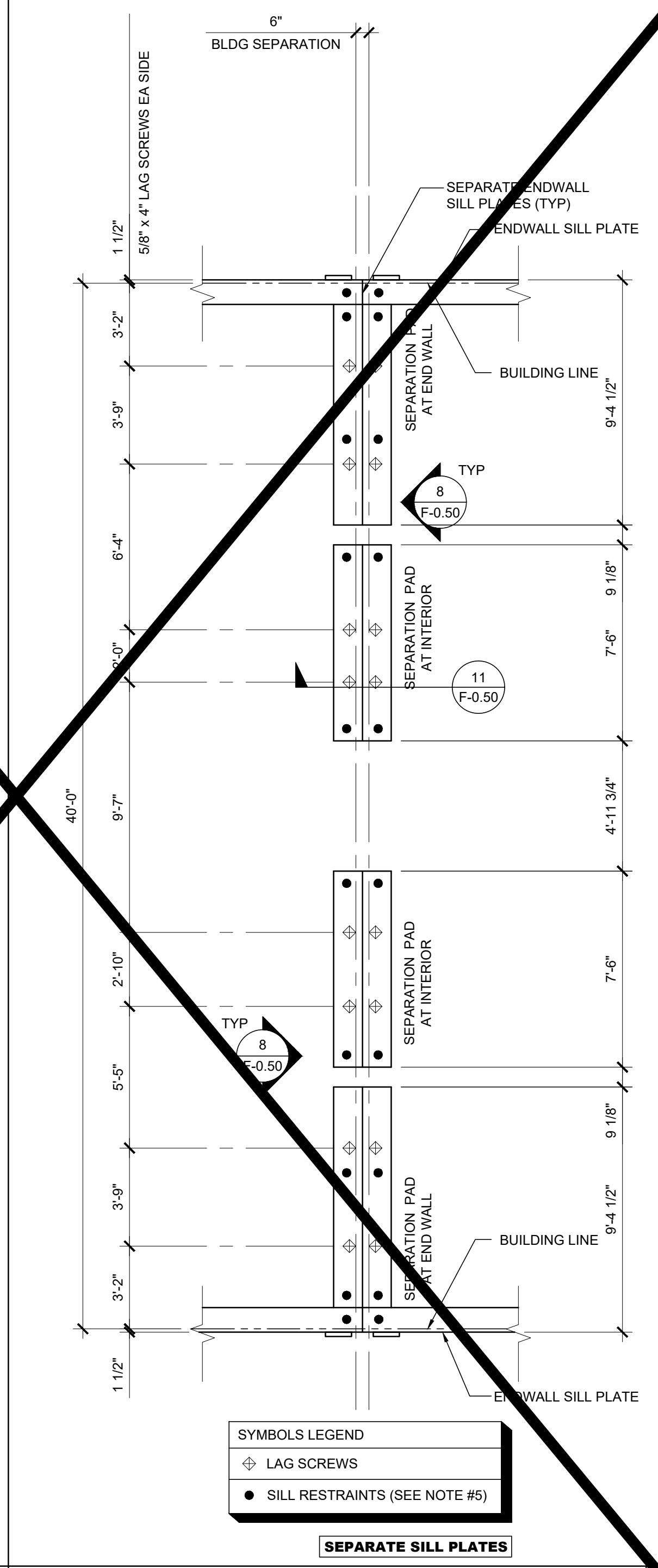
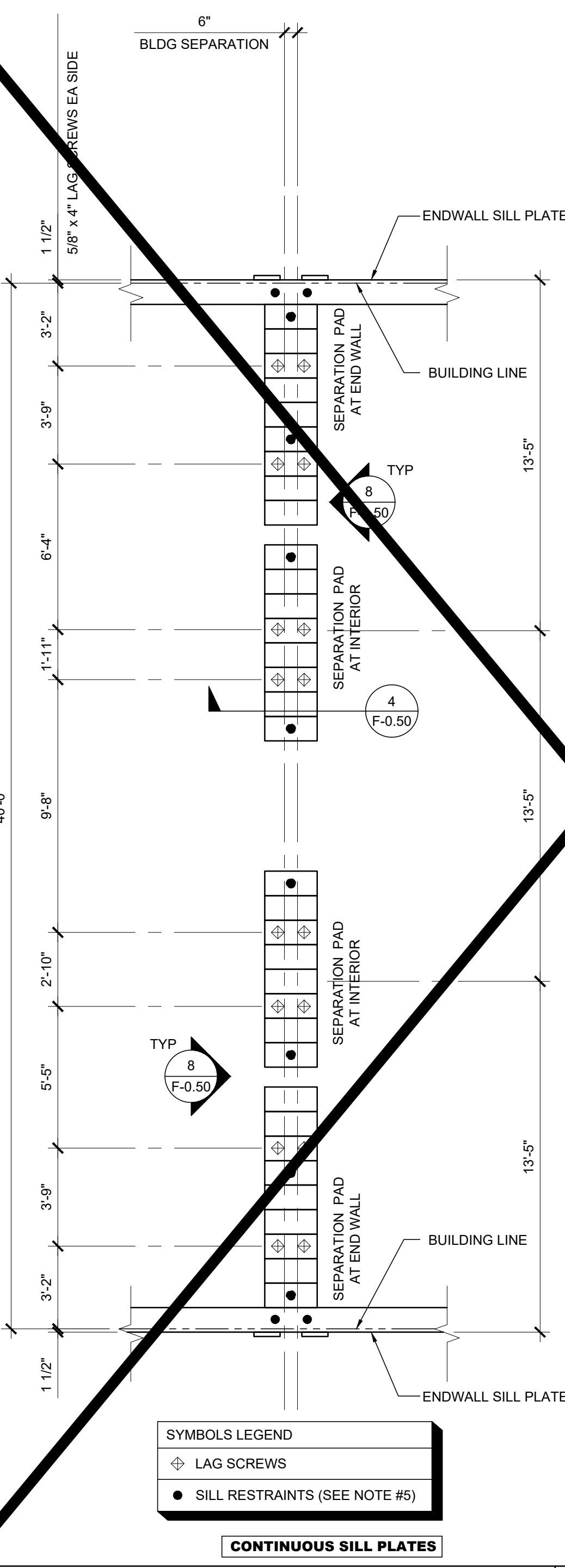
MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
 24' x 40' PC

PROJECT NO:
 DRAWN BY: AS NOTED
 SCALE: AS NOTED
 DATE: 02-27-2023

P.C. SHEET NUMBER

F-0.02



NAILING SCHEDULE

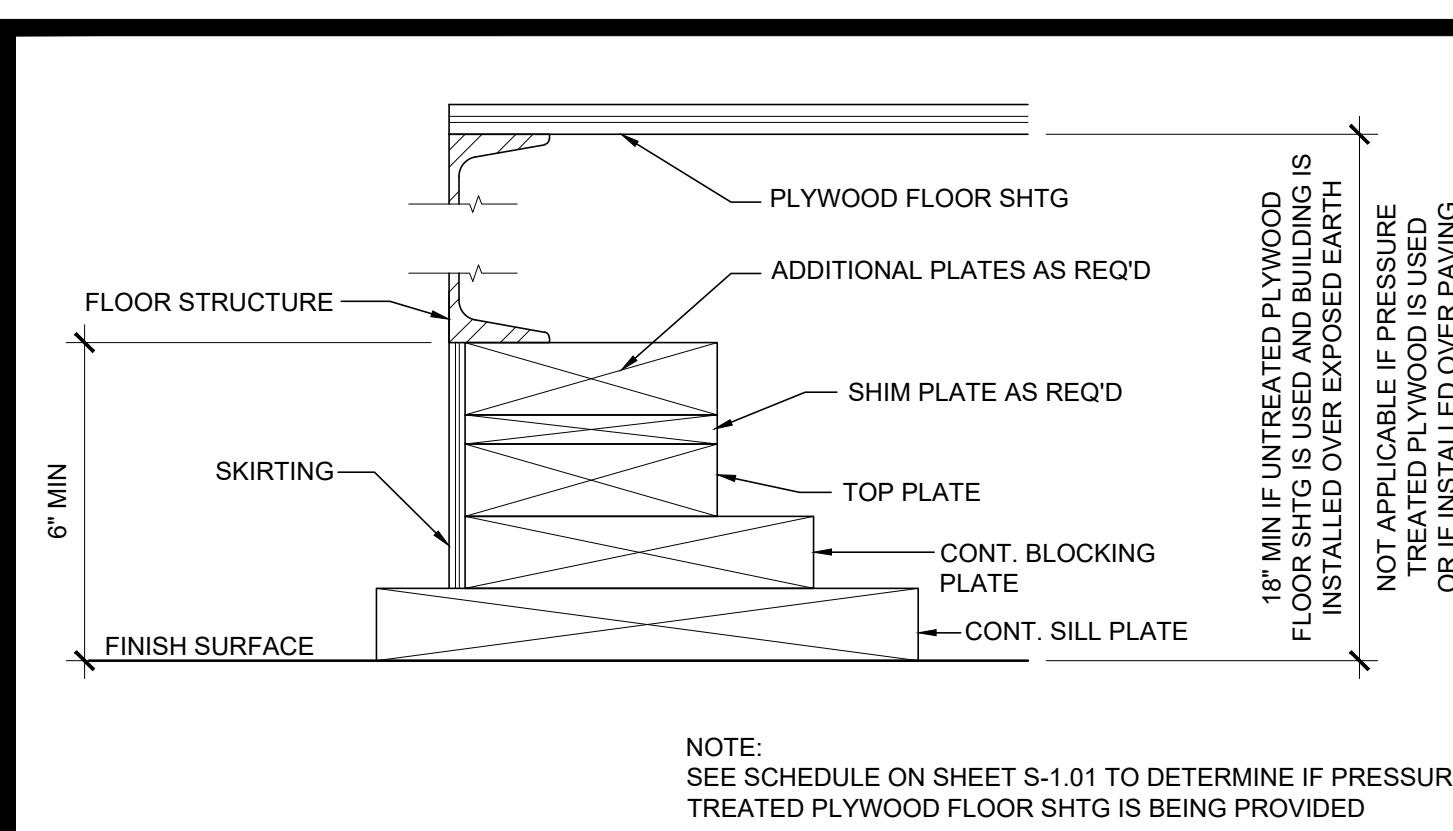
BUILDING SIZE	(2) 16d BOX NAILS PLATE TO PLATE ATTACHMENT BELOW UPPER MOST PLATE
24' x 40'	5" OC AT ENDWALL - 1 / F-0.50 12" OC AT SIDEWALL - 2 / F-0.50 10" OC AT SEPARATION - 4 / F-0.50

VENTING SCHEDULE

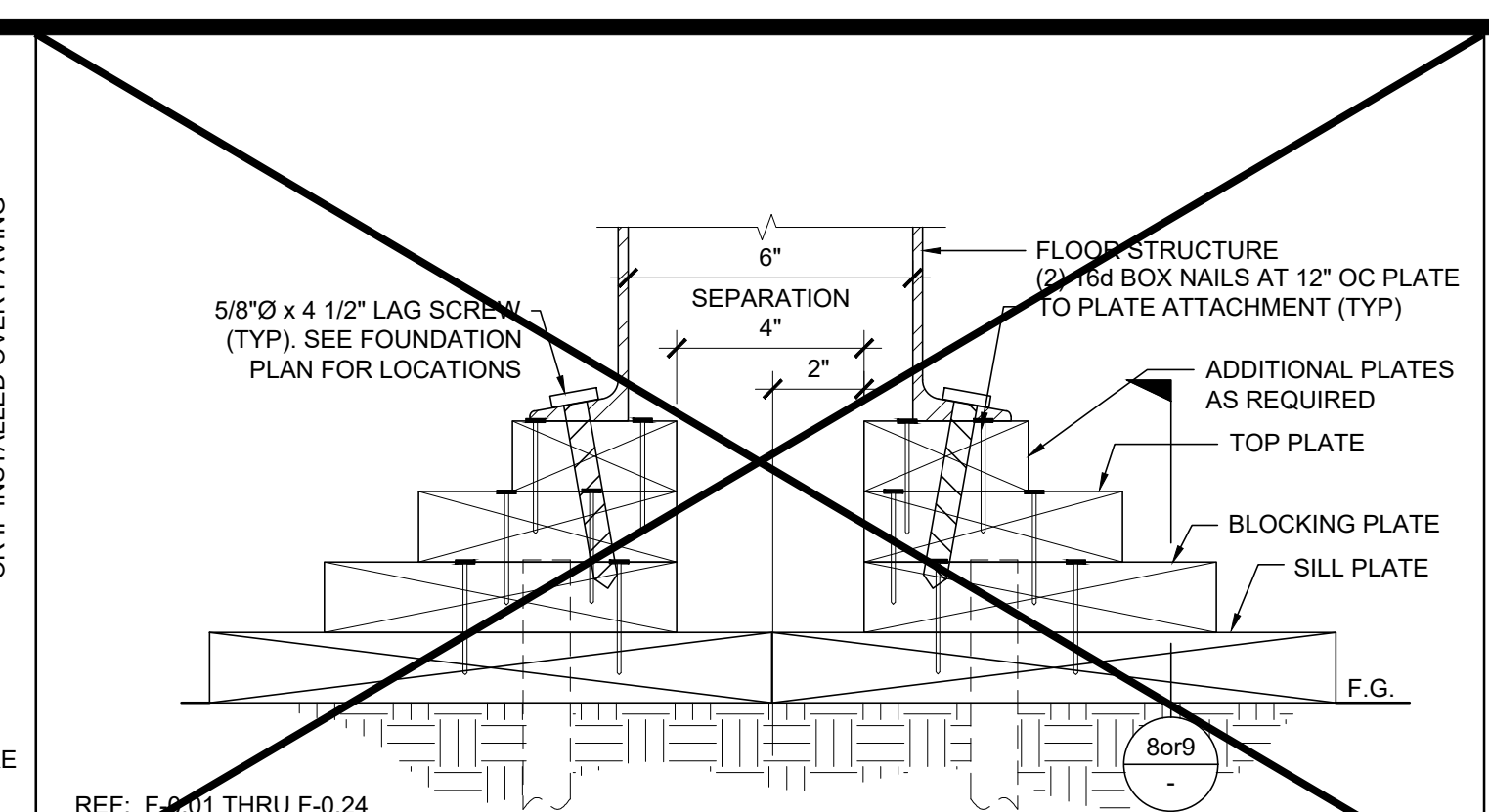
BUILDING SIZE	BUILDING AREA	REQ. VENTING	SIDE VENTING	END VENTING	TOTAL VENTING SUPPLIED
W/O PARAPET	24' x 40'	96 SF	6.4 SF (1/150) 3'-6" x 6" = (4) 1.75 SF/EA	-	7.0 SF
W/ PARAPET	24' x 40'	96 SF	6.4 SF (1/150) SILEA (6 SF TOTAL SILEA) (7.5 SF TOTAL)	3'-0" x 6" = (4) 1.5	7.5 SF

TIE PLATE SCHEDULE

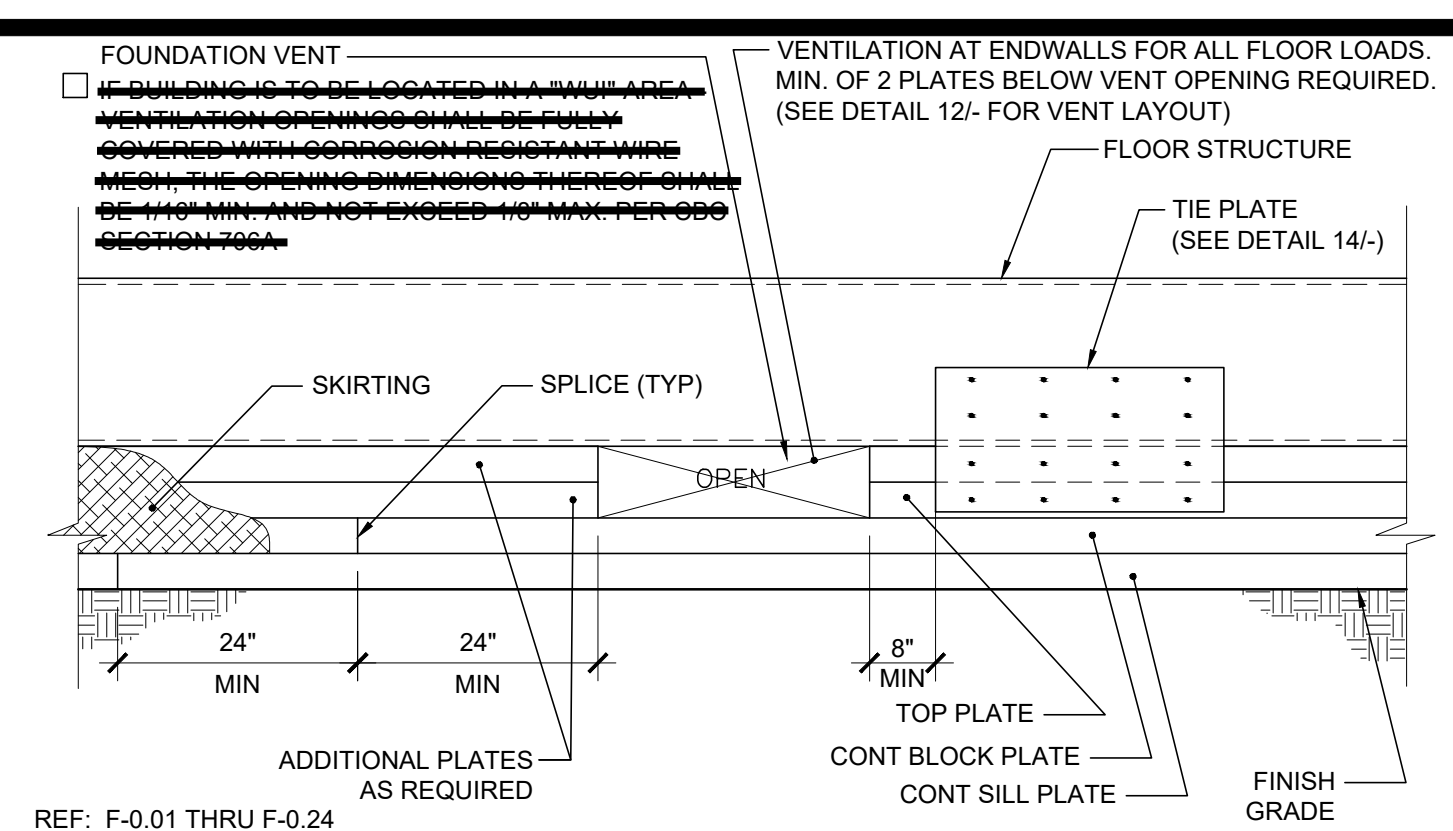
BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
24' x 40'	4	7	22



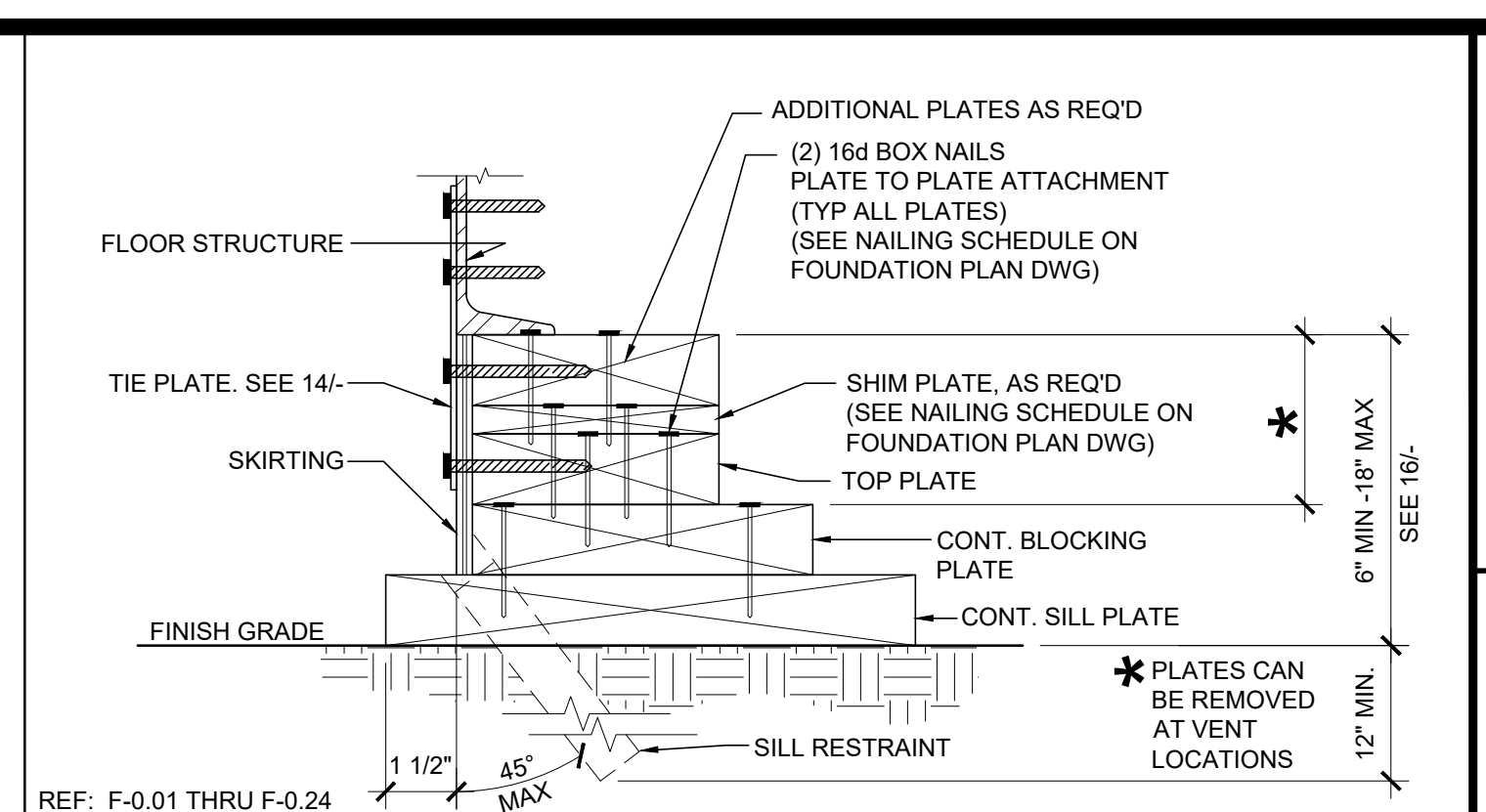
16 CLEARANCE TO PLYWOOD SHTG SCALE: 3"=1'-0"



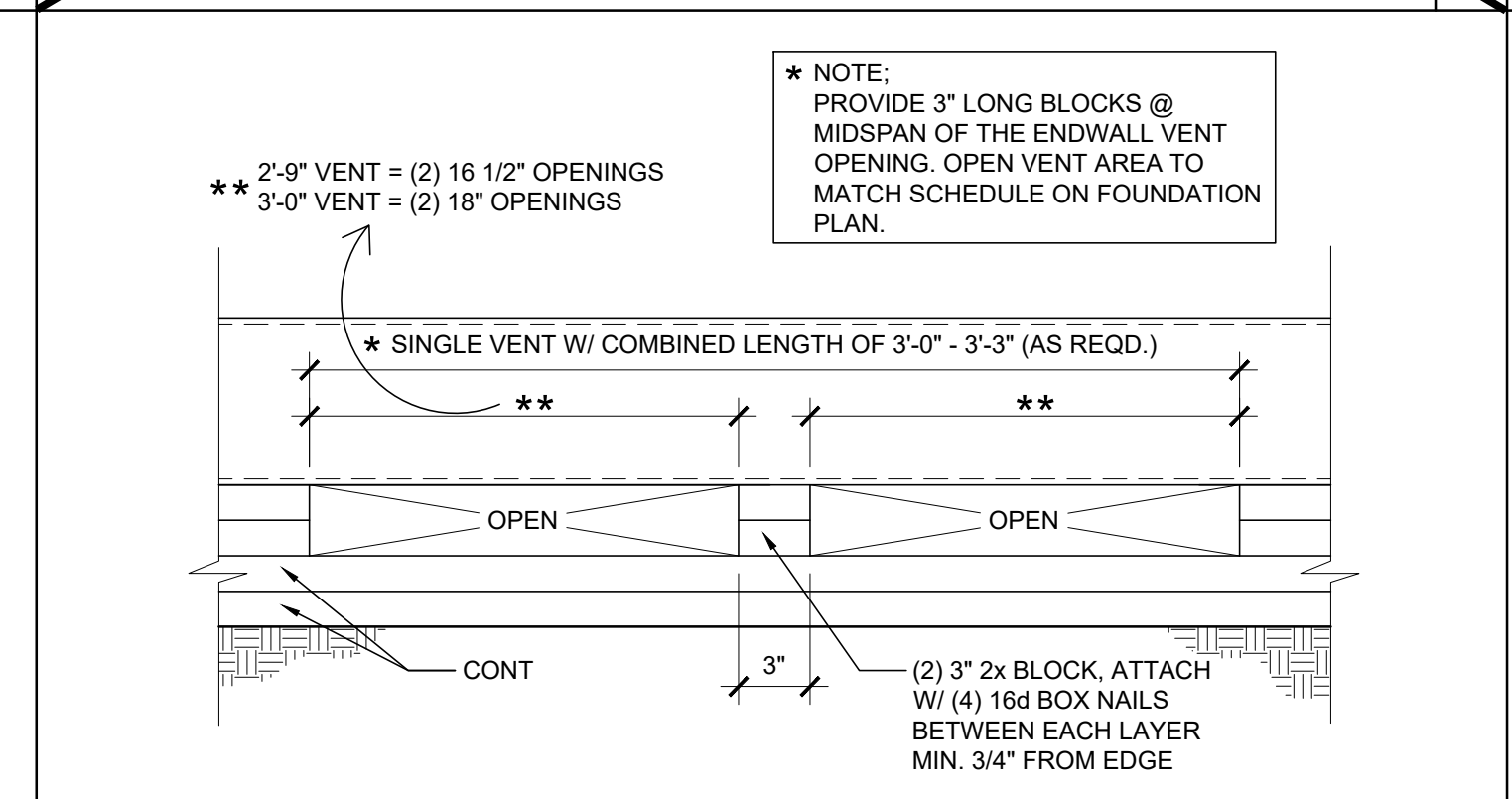
14 FOUNDATION AT ADJACENT BUILDING SCALE: 3"=1'-0"



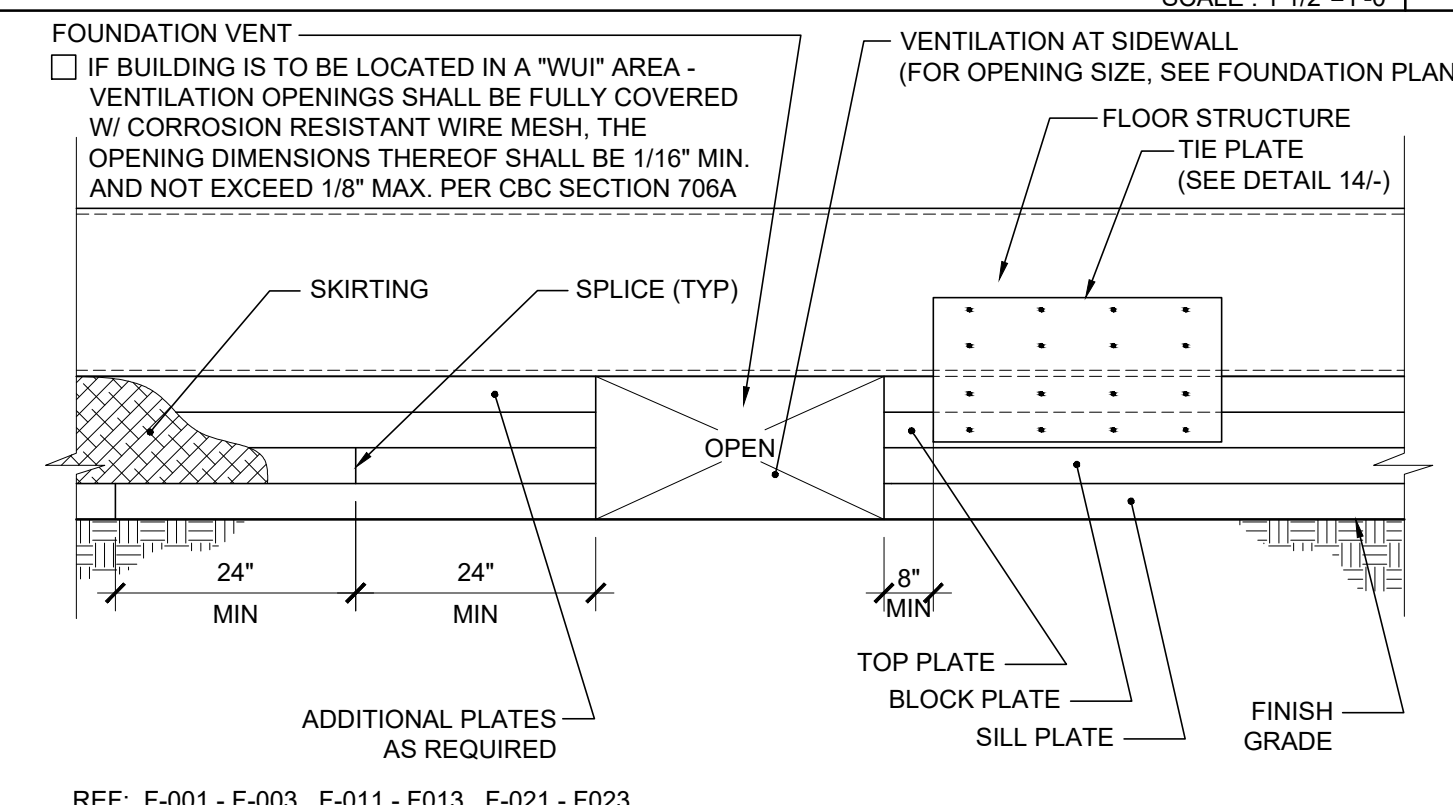
6 FOUNDATION ASSEMBLY END WALL ELEVATION SCALE: 1 1/2"=1'-0"



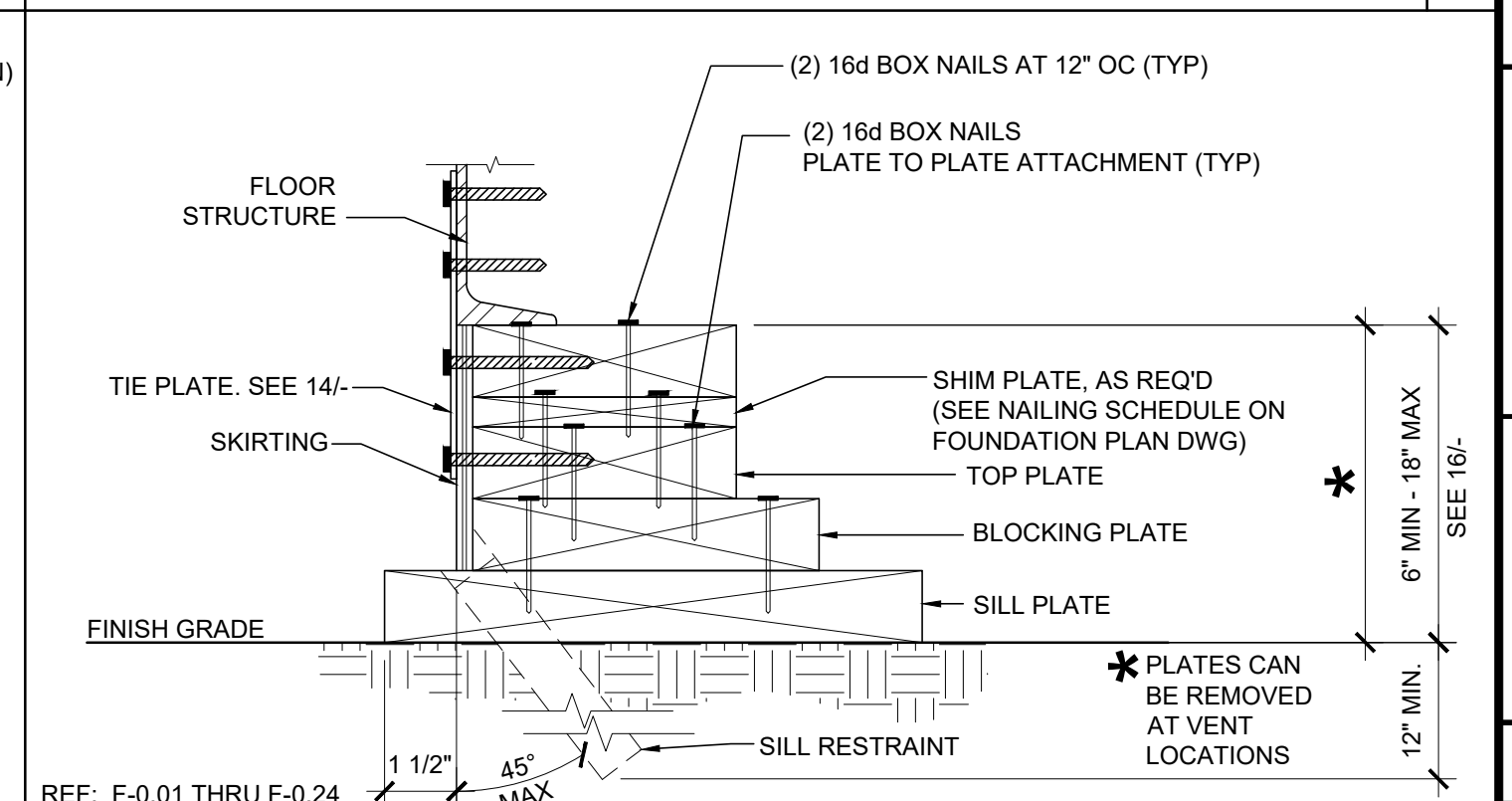
1 FOUNDATION AT END WALL SCALE: 3"=1'-0"



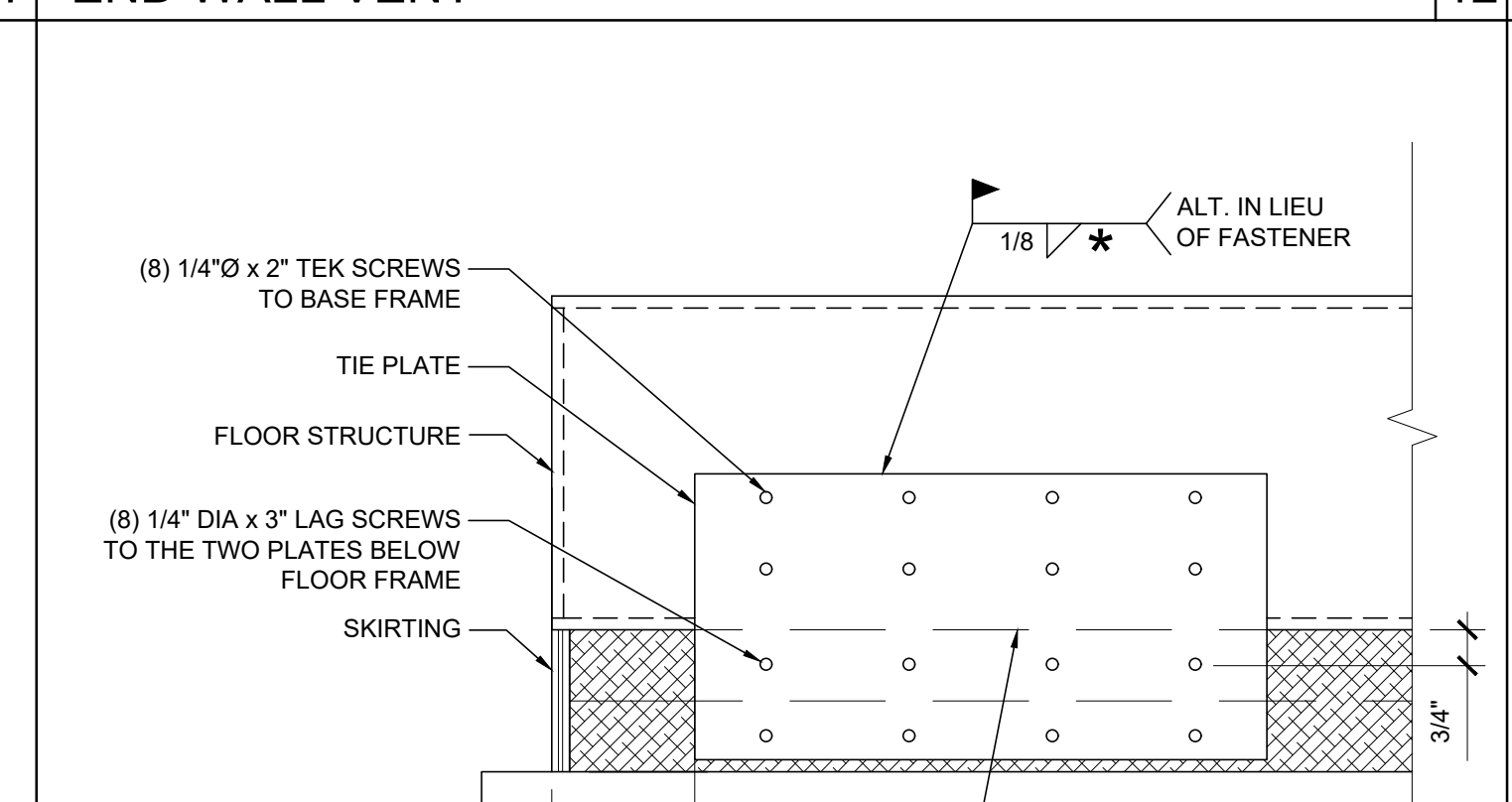
17 END WALL VENT SCALE: 1 1/2"=1'-0"



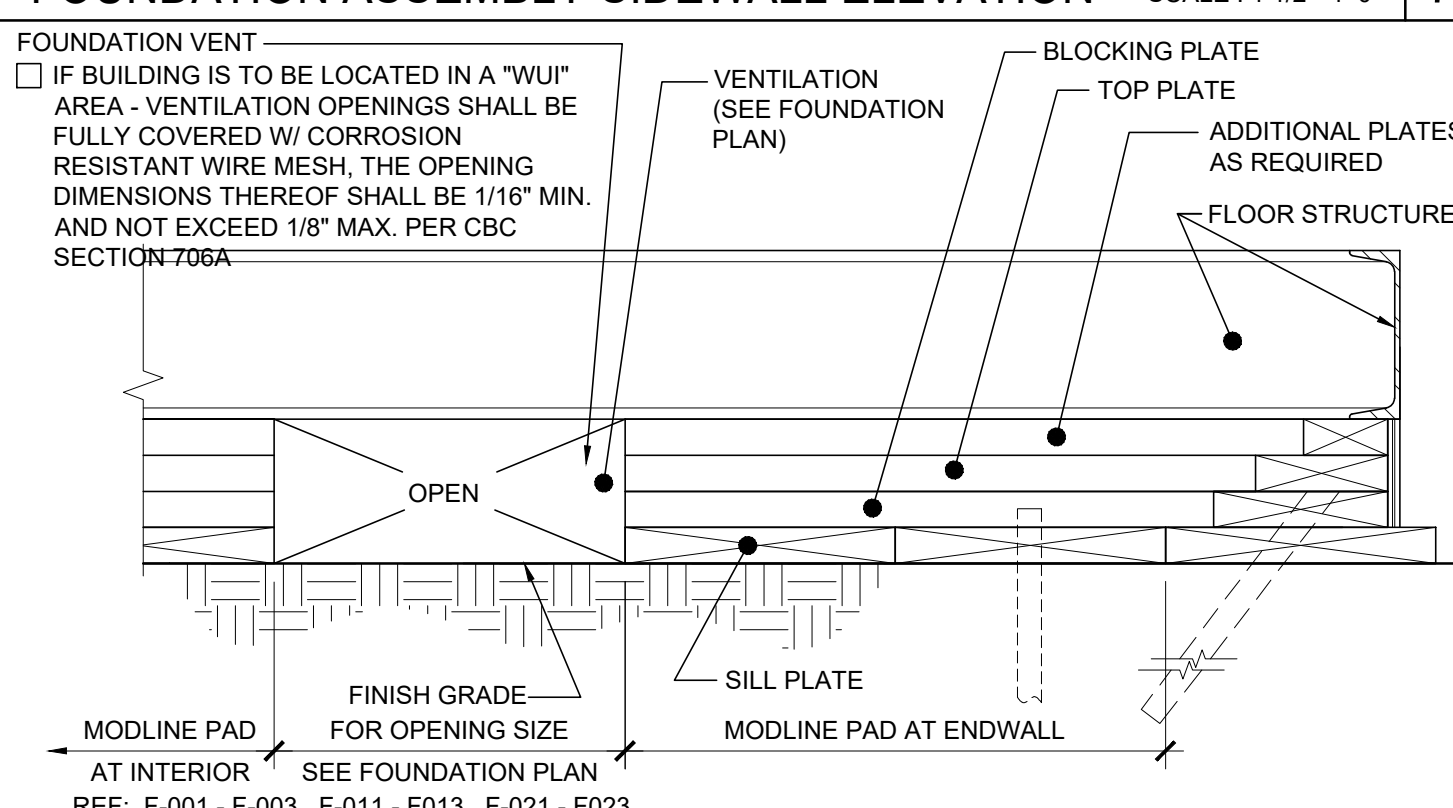
7 FOUNDATION ASSEMBLY SIDEWALL ELEVATION SCALE: 1 1/2"=1'-0"



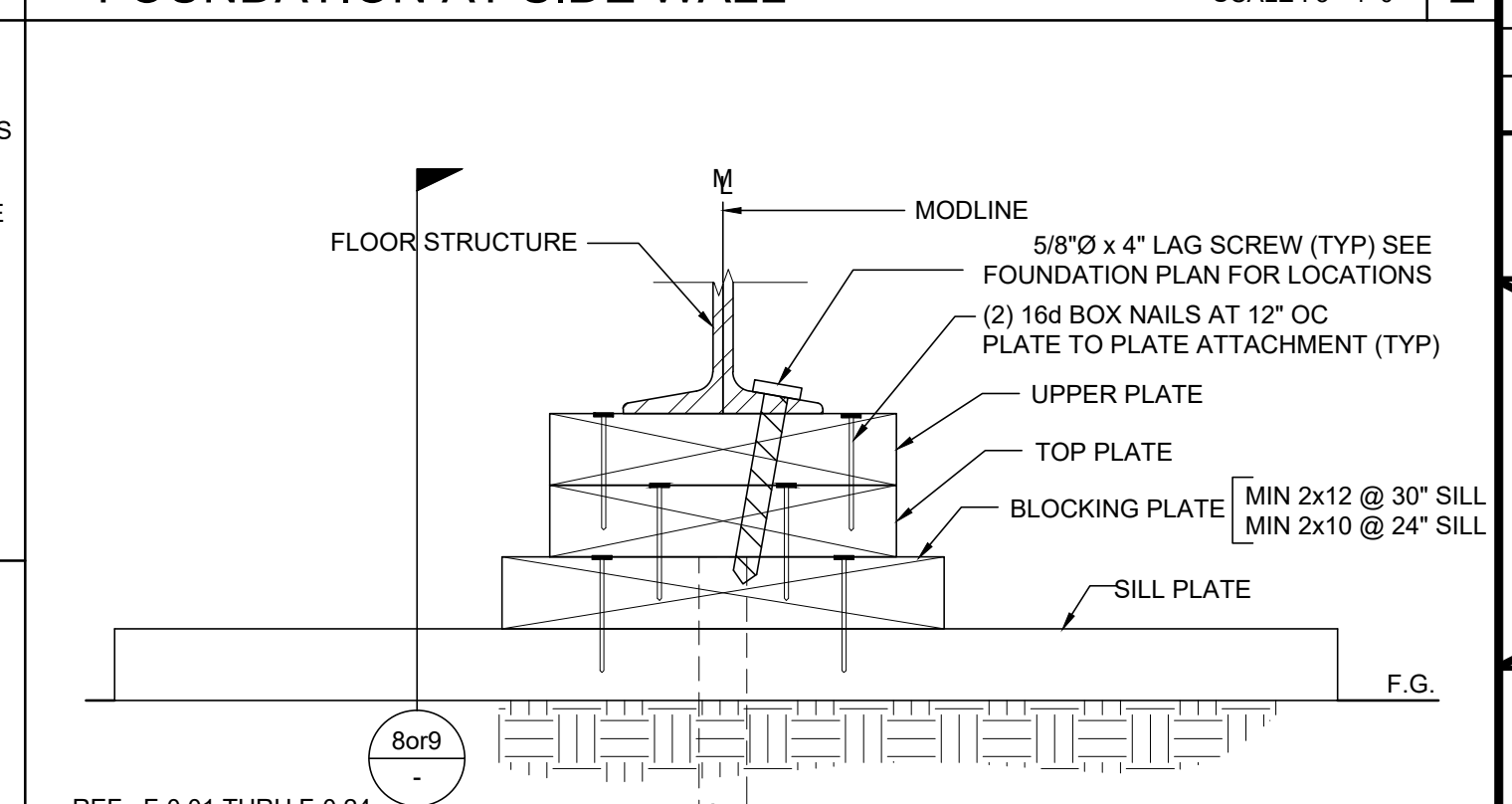
2 FOUNDATION AT SIDE WALL SCALE: 3"=1'-0"



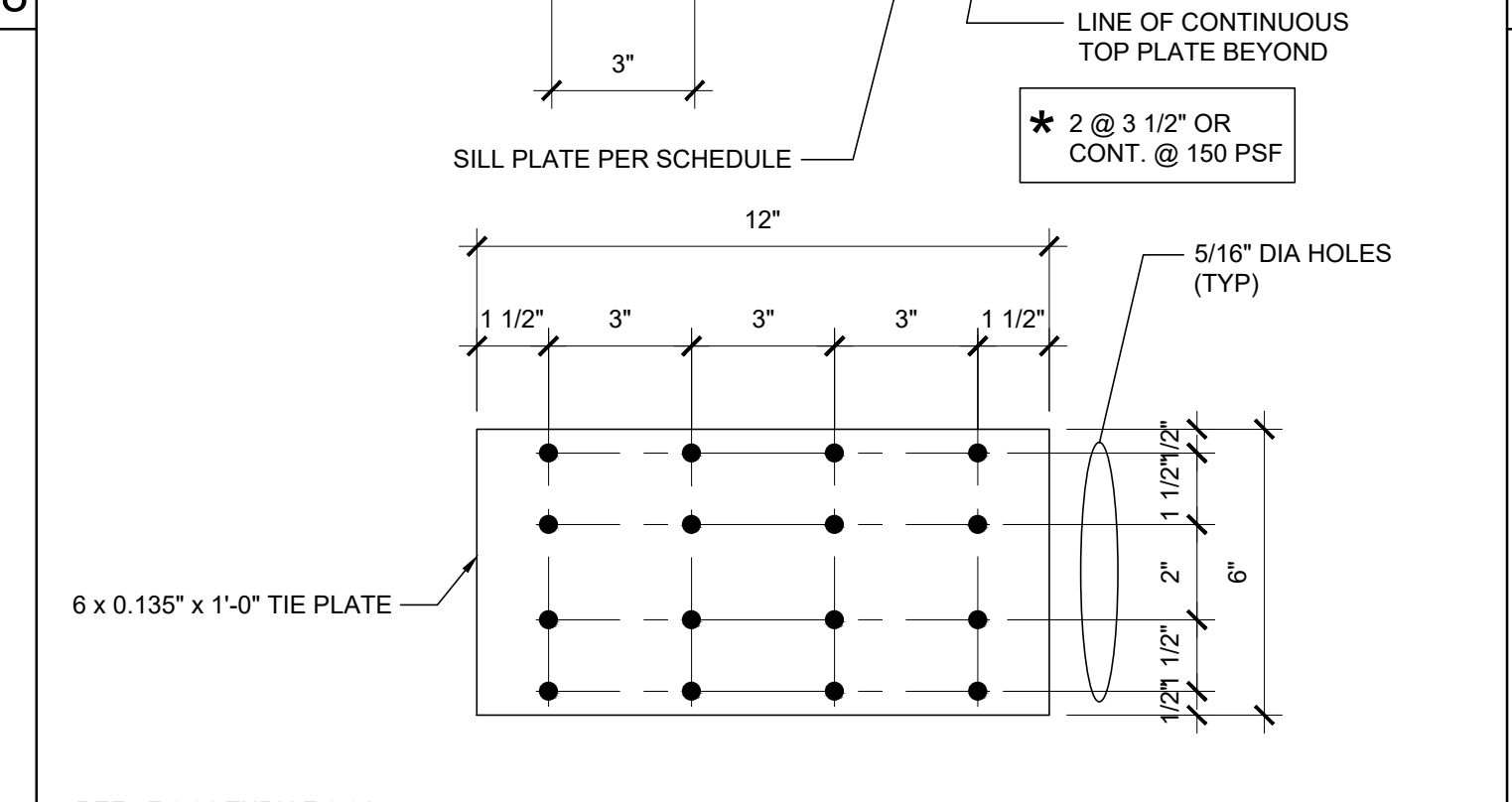
18 TIE PLATE SCALE: 3"=1'-0"



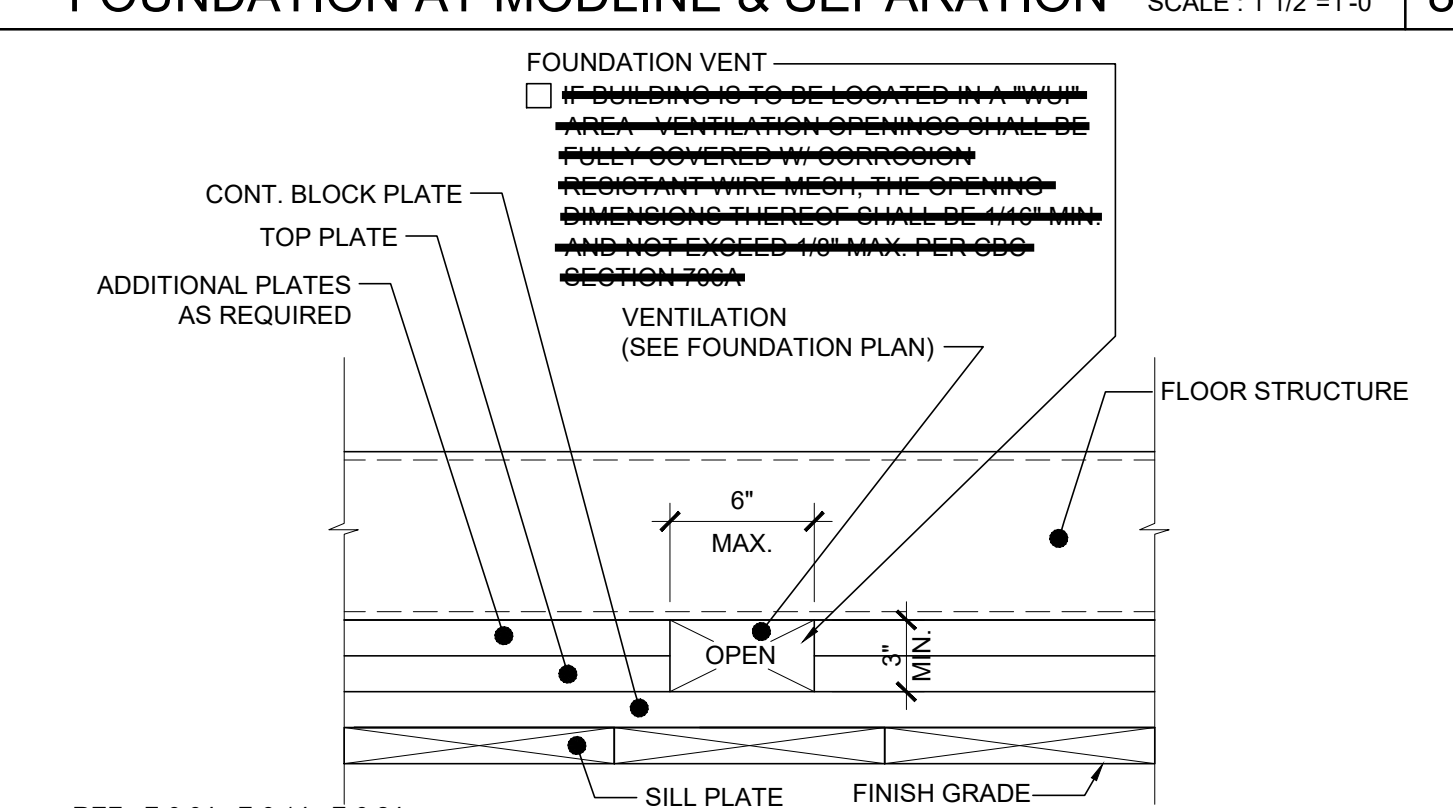
8 FOUNDATION AT MODLINE & SEPARATION SCALE: 1 1/2"=1'-0"



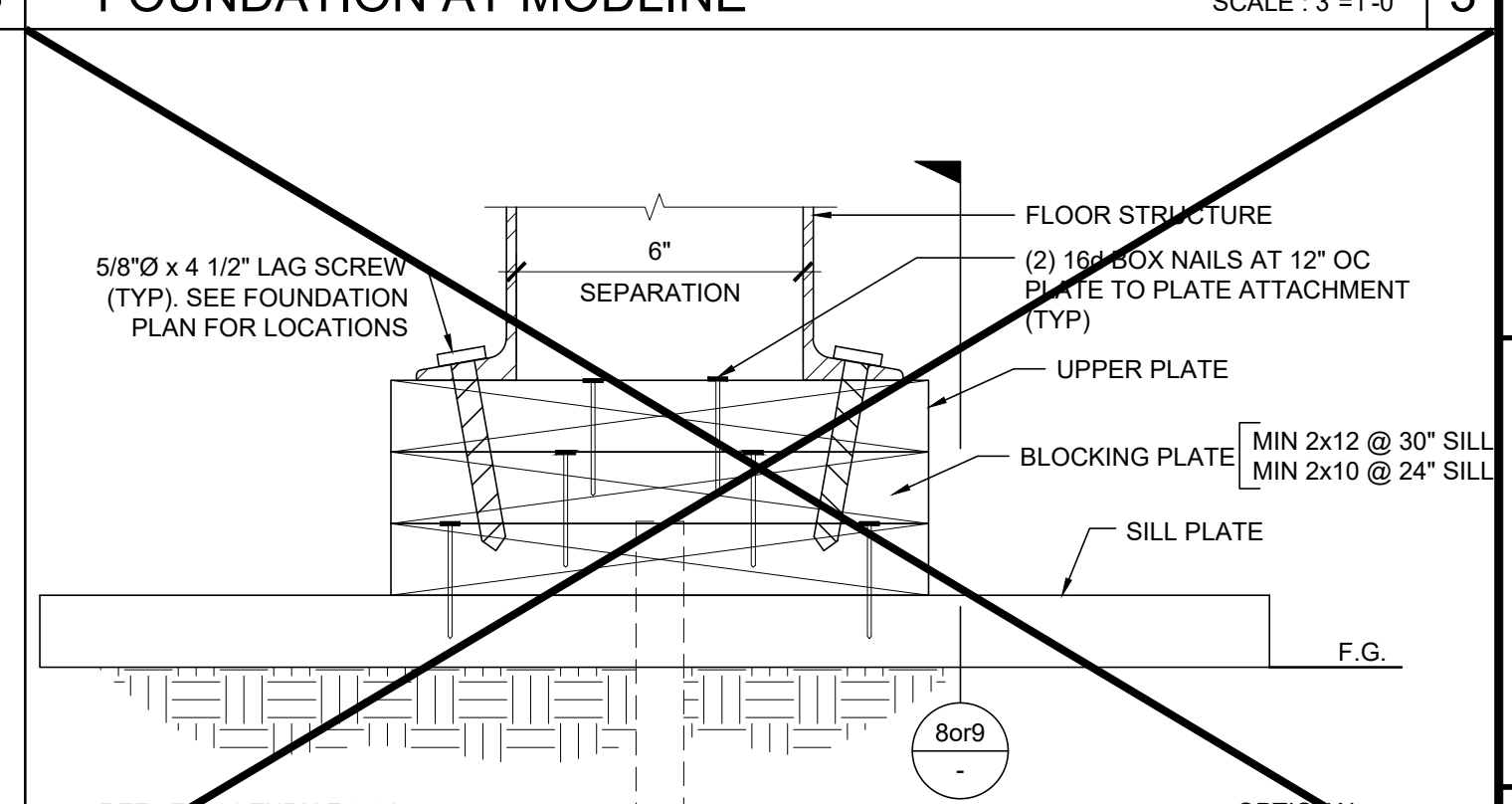
3 FOUNDATION AT MODLINE SCALE: 3"=1'-0"



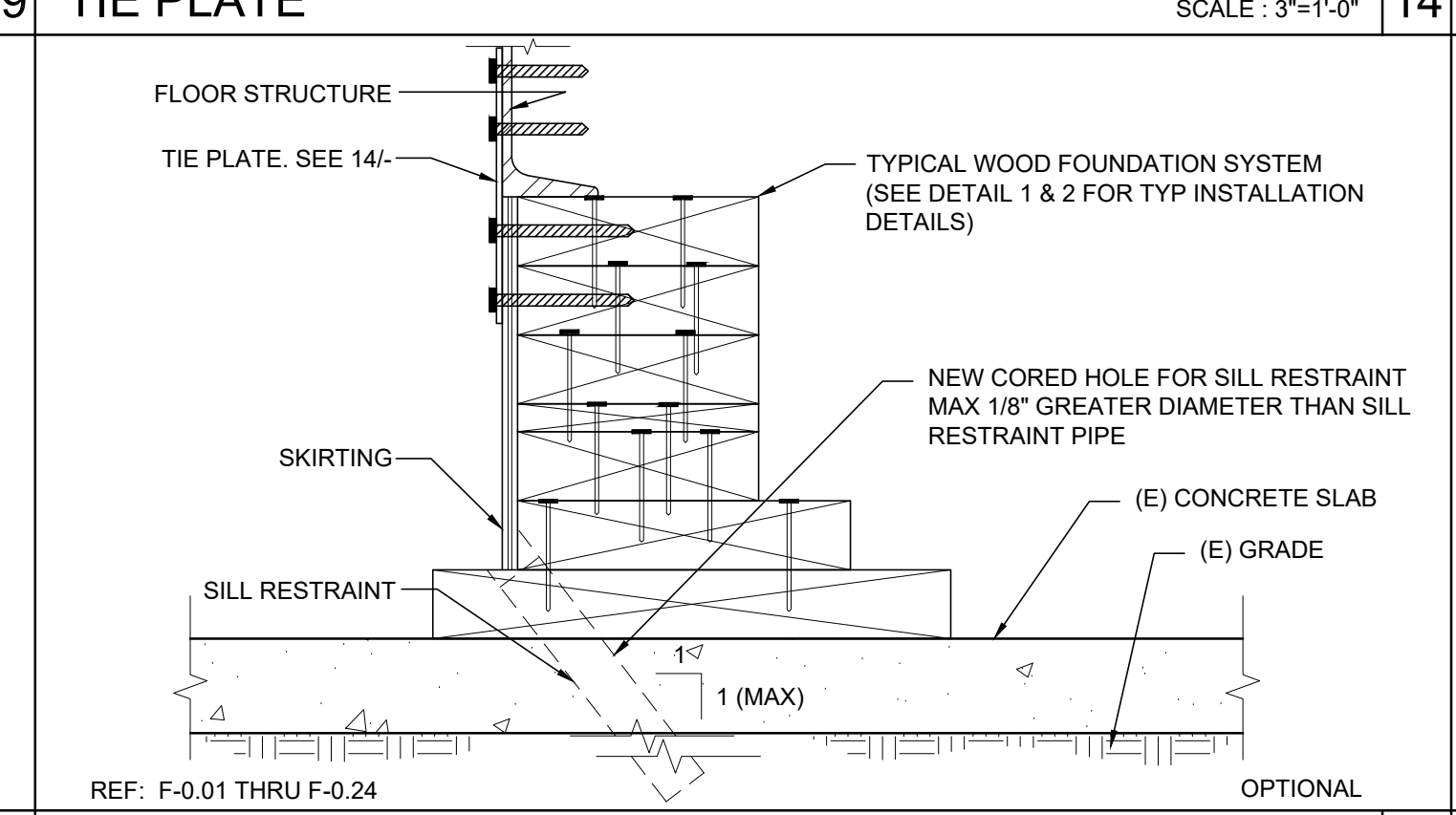
19 TIE PLATE SCALE: 3"=1'-0"



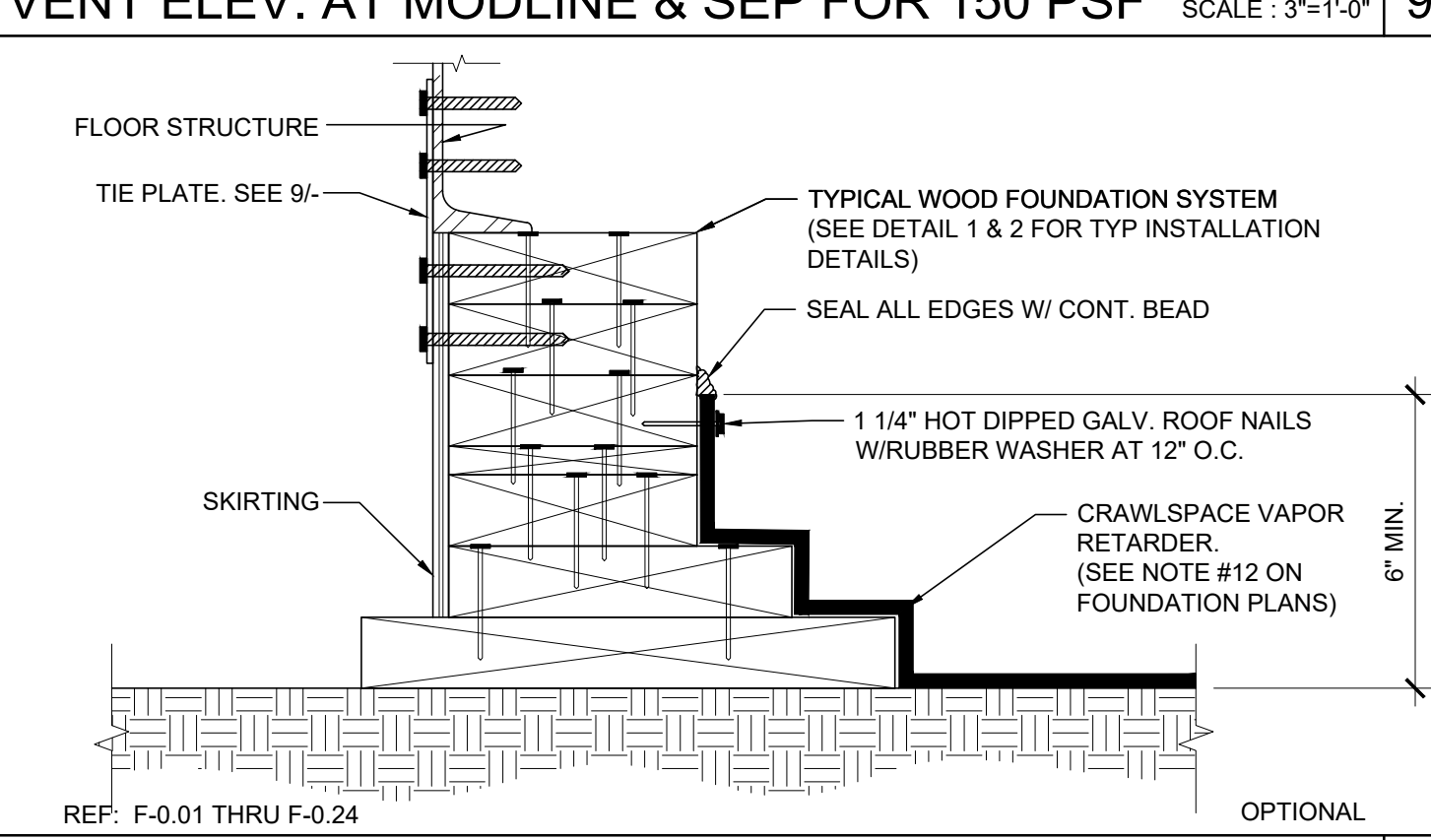
9 VENT ELEV. AT MODLINE & SEP FOR 150 PSF SCALE: 3"=1'-0"



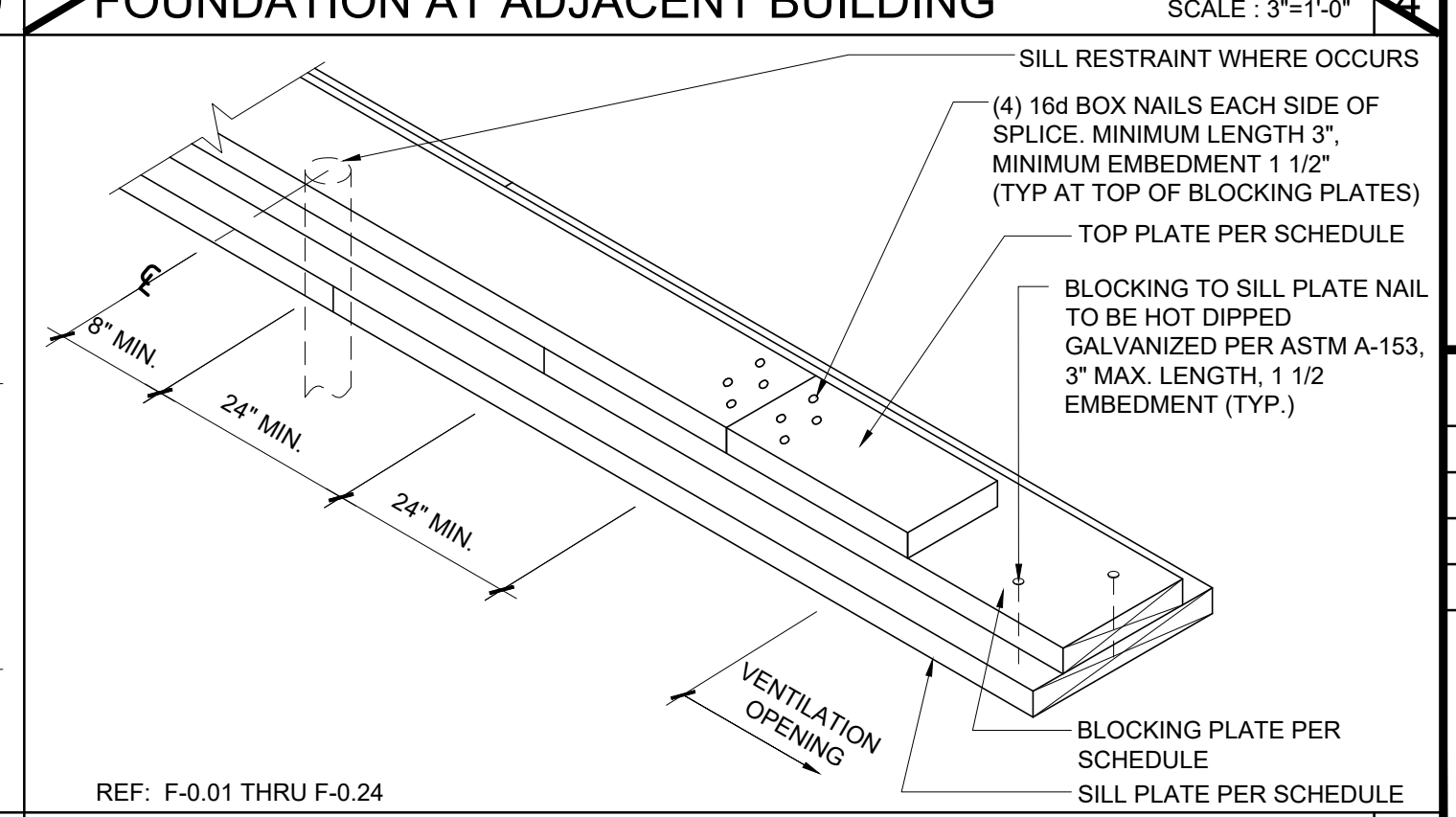
4 FOUNDATION AT ADJACENT BUILDING SCALE: 3"=1'-0"



20 FOUNDATION ANCHORAGE AT CONCRETE PAD SCALE: 3"=1'-0"



15 CRAWLSPACE VAPOR RETARDER SCALE: 3"=1'-0"



5 FOUNDATION SPLICE SCALE: NTS

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SS [x] FLS [x] ACS [x]
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PROJECT NAME:
**SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS**

SHEET TITLE:
**FOUNDATION
DETAILS
WOOD**

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SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
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F-0.50

STRUCTURAL SPECIFICATIONS

FOUNDATIONS:
 GEOTECHNICAL INVESTIGATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH SECTIONS 1803A.3 THROUGH 1803A.8. EXCEPTIONS, 1) GEOTECHNICAL REPORTS ARE NOT REQUIRED FOR ONE-STORY, WOOD-FRAME AND LIGHT-STEEL-FRAME BUILDINGS OF TYPE I OR TYPE V CONSTRUCTION AND 4,000 SQUARE FEET OR LESS IN FLOOR AREA, NOT LOCATED WITHIN EARTHQUAKE FAULT ZONES OR SEISMIC HAZARD ZONES AS SHOWN IN THE MOST RECENTLY PUBLISHED MAPS FROM THE CALIFORNIA GEOLOGICAL SURVEY (CGS) OR IN SEISMIC HAZARD ZONES AS DEFINED IN THE SAFETY ELEMENT OF THE LOCAL GENERAL PLAN, 2) A PREVIOUS REPORT FOR A SPECIFIC SITE MAY BE RESUBMITTED, PROVIDED THAT A REEVALUATION IS MADE AND THE REPORT IS FOUND TO BE CURRENTLY APPROPRIATE. ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TABLE 1806A.2 PER CBC SECTION 1803A.2

CONCRETE
 PROVIDE NECESSARY SHIMS ON FOOTINGS NOT LEVEL WITHIN THE 1/2" ALLOWABLE TOLERANCE. THE DISTRICT SHALL PROVIDE CLEAR AND UNOBSTRUCTED ACCESS TO THE SITE. THE DISTRICT IS RESPONSIBLE FOR ALL SURVEYING, STAKING THE BUILDING CORNERS, SETTING THE FINISH FLOOR ELEVATION, RIGGING, CRANING, EXCAVATION, SPOIL REMOVAL, AND BACKFILL.

THE FOUNDATION AND THE METHOD OF FASTENING THE UNITS SHALL BE AS SHOWN ON DRAWINGS WHERE APPLICABLE. HIGH STRENGTH GROUT SHALL BE EMBECO 885 NON-SHRINK, METALLIC AGGREGATE GROUT OR A DSA APPROVED EQUAL.

THE DESIGN OF CONCRETE FOUNDATIONS WILL BE AS FOLLOWS:

- FURNISH AND INSTALL ALL CONCRETE WORK AS SHOWN ON THE DRAWINGS AND AS SPECIFIED.
- EXCEPT AS MODIFIED BY THE REQUIREMENTS SPECIFIED HEREIN AND / OR THE DETAILS ON THE DRAWINGS, ALL WORK INCLUDED IN THIS SECTION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF CODES AND STANDARDS.
 - ALL WORK AND MATERIALS SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS, AND CHAPTER 18A.
 - AMERICAN CONCRETE INSTITUTE (ACI): BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI 318-19
 - SOCIETY FOR TESTING AND MATERIALS (ASTM): THE SPECIFICATIONS AND STANDARDS HEREINAFTER REFERENCED TO SHALL BE OF THE LATEST EDITION.

3. CONCRETE FOUNDATION TESTS AND INSPECTIONS SHALL BE THE RESPONSIBILITY OF THE ARCHITECT AND/OR INSPECTOR.

4. DESIGN MIXES SHALL BE AS FOLLOWS:

□ WHERE A GEOTECHNICAL REPORT IS NOT PROVIDED:
 MINIMUM COMPRESSIVE STRENGTH = 5,000 PSI
 MAXIMUM WATER/CEMENT RATIO = 0.40
 CEMENT TYPE = V COMPLYING WITH ACI 319-19, TABLE 19.3.2.1, FOOTNOTE B
 NORMAL WEIGHT
 NO ADMIXTURES CONTAINING CALCIUM CHLORIDE

□ WHERE A GEOTECHNICAL REPORT IS PROVIDED WHICH INDICATES ONE OF THE FOLLOWING EXPOSURE CLASSIFICATIONS (F0, F1, S0, S1, W0, W1, C0, C1)
 MINIMUM COMPRESSIVE STRENGTH = 4,000 PSI
 MAXIMUM WATER/CEMENT RATIO = 0.50
 CEMENT TYPE = II/V
 NORMAL WEIGHT

NOTE: WHERE CONCRETE IS EXPOSED TO THAW AND FREEZE CYCLES IT SHALL BE AIR ENTRAINED PER ACI 318 SECTION 19.3.3.1.

5. FORMS SHALL BE SUBSTANTIAL, PLUMB, LEVEL, SQUARE, TRUE TO LINE, WATER TIGHT AND ACCURATE TO THE DIMENSIONS REQUIRED.

6. THE ARCHITECT SHALL APPROVE LOCATION OF:

- OPENINGS FOR MECHANICAL AND ELECTRICAL: PROVIDE FOR OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED AND INSTALL SLEEVES AS MAY BE REQUIRED.
- OPENINGS FOR VENT WELLS FOR UNDER FLOOR VENTILATION: PROVIDE FOR ALL OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED. INSTALL ALL SLEEVES AS MAY BE REQUIRED.

7. VARIANCE IN TOP OF STEMWALL AND/OR ANCHOR PLATE SURFACE SHALL BE NO MORE THAN 1/16" IN TO FEET

8. ANCHOR BOLTS, DOWELS, REINFORCING STEEL AND EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED "WET SETTING" IS NOT ALLOWED.

9. REFER TO ARCHITECTURAL, ELECTRICAL, AND MECHANICAL PLANS FOR SLEEVES, INSERTS CURBS, DEPRESSED AREAS, AND ETC.

10. CONCRETE MIX REQUIRED: CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGN FOR FOOTINGS TO PROFESSIONAL OF RECORD FOR APPROVAL PRIOR TO POURING CONCRETE.

1705A.3.3. WAIVER OF BATCH PLAN INSPECTION.

1. WHEN BATCH PLAN INSPECTION IS WAIVED, THE FOLLOWING REQUIREMENTS SHALL APPLY:

- QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCHING AT THE START OF DAY.
- LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTITY AND CERTIFY TO EACH LOAD BY A TICKET
- BATCH TICKETS, INCLUDING ACTUAL MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD AND SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY A TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR WILL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK, ITS LOAD, TIME OF RECEIPT AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND WILL TRANSMIT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT AGENCY.

REINFORCING STEEL:

- MATERIAL: ALL REINFORCING STEEL SHALL BE BILLET STEEL PER ASTM A-615 MIN. GRADE 60. EXCEPT #3 ANCHOR REINFORCEMENT SHALL BE GRADE 40.
- SPLICES: ALL SPLICES SHALL BE LAPPED A MINIMUM 48" #5 BARS AND 30" #4 BARS UNLESS OTHERWISE DETAILED. SPLICES SHALL BE STAGGERED A MINIMUM OF 24" FROM ADJACENT HORIZONTAL BARS.
- REINFORCING FABRICATION AND PLACEMENT: FABRICATION AND PLACING OF REINFORCING SHALL CONFORM TO THE "CODE OF STANDARD PRACTICE AND SPECIFICATIONS FOR PLACING REINFORCEMENT OF THE CONCRETE REINFORCING STEEL INSTITUTE".
- MINIMUM COVERAGE: ALL REINFORCING SHALL HAVE THE FOLLOWING MINIMUM COVERAGE WITH CONCRETE:

LOCATION	AMOUNT
FORMED EARTH	2"
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
WALL-EXPOSED FACE	
#5 OR SMALLER	2"
#6 OR LARGER	2"
WALL-UNEXPOSED FACE	3/4"

5. HOOKS SHALL BE STAGGERED IN ALTERNATING DIRECTIONS.

STRUCTURAL STEEL:

- ALL STRUCTURAL STEEL OTHER THAN TUBE AND PIPE COLUMNS SHALL CONFORM TO ASTM A-36.
- TUBE COLUMNS SHALL CONFORM TO ASTM A500 GRADE B, OR A1085
- PIPE COLUMNS SHALL CONFORM TO ASTM A501 OR ASTM A53, TYPE E OR S, GRADE B, OR A1085
- TUBE STEEL USED FOR RAMPS & STAIRS SHALL CONFORM TO ASTM A513 GRADE MT1020 OR BETTER

STEEL FRAME BUILDING/STEEL FRAME CONSTRUCTION SHALL MEET THE MINIMUM DESIGN REQUIREMENTS OF STUD SPACING, ETC. PER LATEST EDITION OF 2022 CALIFORNIA BUILDING CODE. ALL WORK AND MATERIALS SHALL CONFORM TO THE "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"; AMERICAN INSTITUTE OF STEEL CONSTRUCTION; TITLE 24, CCR, AND UNIFORM BUILDING CODE. STRUCTURAL STEEL SHALL BE MADE EITHER THE OPEN-HEARTH OR ELECTRIC FURNACE PROCESS ONLY AND SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL STEEL" ASTM DESIGNATION A36, CURRENT EDITION.

ROOF FRAMING, FLOOR FRAMING, AND WALL FRAMING SHALL BE PER MANUFACTURER'S PC PLANS AND PER APPLICABLE CODES.

ALL STRUCTURAL MEMBERS BELOW THE SUB-FLOOR, IE, GIRDERS, JOISTS, HEADERS, BLOCKING, SHALL BE STEEL. MINIMUM JOIST SPACING SHALL BE PER PLAN.

ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE AISC STANDARD SPECIFICATIONS, THE APPLICABLE REGULATORY AGENCY AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OR LIGHT GAUGE STEEL STRUCTURAL MEMBERS. WELDING: SHALL COMPLY WITH THE PERTINENT PROVISIONS OF THE APPLICABLE REGULATORY AGENCY. ALL WELDING SHALL BE DONE BY OPERATORS WHO ARE QUALIFIED AS PRESCRIBED IN THE "QUALIFICATION PROCEDURE" OF THE AMERICAN WELDING SOCIETY TO PERFORM THE TYPE OF WORK REQUIRED.

STEEL SHALL BE COATED WITH ONE SHOP COAT OF MANUFACTURER'S STANDARD CHASSIS PAINT OR EQUAL.

BOLTS:
 ALL COMMON BOLTS AND ANCHOR BOLTS SHALL CONFORM TO ASTM A-307.
STRUCTURAL WELDING: SPECIAL INSPECTOR REQUIRED

GENERAL: DURING THE WELDING OF ANY MEMBER OR CONNECTION THAT IS DESIGNED TO RESIST LOADS AND FORCES REQUIRED BY THIS CODE.

ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT/LBS AT MINUS 20 DEGREES F AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION.

ALL STRUCTURAL WELDING SHALL BE BY "ELECTRIC ARC PROCESS" PER AWS STANDARD CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION. ALL LIGHT GAUGE STEEL (SHEET STEEL) SHALL BE WELDED PER AWS D1.3. ALL REINFORCING STEEL SHALL BE WELDED WITH LOW HYDROGEN RODS PER AWS D1.4, OR REINFORCING STEEL SHALL CONFORM TO ASTM A-706. ALL SHOP WELDED MUST BE PERFORMED BY "APPROVED" WELDERS IN A SHOP OF A LICENSED FABRICATOR. ALL FIELD WELDING SHALL BE PERFORMED BY "APPROVED" WELDERS. ELECTRODES SHALL BE E70XX FOR STRUCTURAL STEEL AND REBAR AND SHALL BE E60XX FOR LIGHT GAUGE STEEL. * (SEE OPTIONAL PROCESS)

THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRESENT DURING WELDING OF THE FOLLOWING ITEMS, PROVIDED THE MATERIALS, WELDING PROCEDURES AND QUALIFICATION OF WELDERS ARE VERIFIED PRIOR TO THE START OF WORK: PERIODIC INSPECTIONS ARE MADE OF WORK IN PROGRESS, AND A VISUAL INSPECTION OF ALL WELDS IS MADE PRIOR TO SHIPMENT OF SHOP WELDING.

- FLOOR AND ROOF DECK WELDING.
- WELDED STUDS WHEN USED FOR STRUCTURAL DIAPHRAGM OR COMPOSITE SYSTEMS.
- WELDED SHEET STEEL FOR COLD-FRAMED STEEL FRAMING MEMBERS SUCH AS STUDS AND JOISTS WHICH ARE NOT PART OF AN ORDINARY MOMENT FRAME.
- SINGLE PASS FILLET WELDS NOT EXCEEDING 5/16".

MATERIAL SHALL BE IDENTIFIED BY MARKING OR STAMPING THE I.D. NUMBER ON STRUCTURAL STEEL COMPONENTS BY LICENSED FABRICATION SHOP.

ALL BUTT, BEVEL, GROOVE, VEE, U AND J WELDS SHALL BE PREQUALIFIED COMPLETE PENETRATION WELDS.

FILLER MATERIAL FOR WELDING: SHIELDED METAL-ARC: AWS A5.1 OR 15.5 E70XX ELECTRODES.

HOLES IN STRUCTURAL STEEL SHALL NOT BE PERMITTED UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.

STRUCTURAL STEEL SHALL BE THOROUGHLY CLEANED BY SCRAPPING OR WIRE BRUSHING AND SHOP PRIMED.

ALL STEEL WORK, INCLUDING WELD AND CONNECTIONS EXCEPT WHERE ENTIRELY ENCASED IN CONCRETE SHALL BE GIVEN ONE COAT OF ACCEPTABLE METAL PROTECTION WELL WORKED INTO JOINTS AND OPEN SPACES.

* OPTIONAL USE OF: FCAW PROCESS: E71T-8 FOR STRUCTURAL REBAR (MEETS ALL CHARPY REQUIREMENTS) E71T-11 FOR METAL DECKING

COLD-FORMED STEEL FRAMING:
 STRUCTURAL LIGHT GAUGE STEEL FRAMING AND ACCESSORIES SHALL BE FABRICATED IN ACCORDANCE WITH ASTM A-1011/A GRADE AS LISTED BELOW. SEE PLAN FOR MINIMUM YIELD.

MATERIAL THICKNESS 0.060" OR LESS: ASTM A-1011/A GRADE 33 (UNO)
 MATERIAL THICKNESS 0.060" OR GREATER: ASTM A-1011/A GRADE 50

SHEET STEEL DESIGNATION (GAUGE)	MINIMUM DELIVERED THICKNESS (INCHES)
26	0.017
22	0.029
20	0.034
18	0.046
16	0.057
14	0.071
12	0.100
11	0.114
10	0.128

LIGHT GAUGE STEEL STUDS AND TRACKS SHALL COMPLY WITH ASTM A-1003 STRUCTURAL GRADE 33 TYPE H

ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL". QUALIFICATION OF WELDERS SHALL BE IN ACCORDANCE WITH AWS D1.1, CHAPTER 5, PART C, "WELDER QUALIFICATIONS".

BOLTS, SCREWS, ETC. EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED

MACHINE BOLTS USED SHALL CONFORM TO SPECIFICATIONS OF ASTM STANDARD A-307.

NDT:
 (b) CJP GROOVE WELD NDT
 ULTRASONIC TESTING SHALL BE PERFORMED ON 100 PERCENT OF CJP GROOVE WELDS IN MATERIALS 5/16 in. (8mm) THICK OR GREATER. ULTRASONIC TESTING IN MATERIALS LESS THAN 5/16 in. (8 mm) THICK IS NOT REQUIRED. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25 PERCENT OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS.

WOOD:
FRAMING: ALL FRAMING LUMBER SHALL BE GRADE MARKED BY AN APPROVED GRADING AGENCY AND SHALL BE OF THE FOLLOWING MINIMUM GRADES OR BETTER, PER WCLB RULES #16. MOISTURE CONTENT = 19% MAX. PLATES AND BLOCKING - STANDARD GRADE OR BETTER
 STUDS AND HEADER = HF #2, OR DF #2, OR BETTER

SHEATHING:
 AMERICAN PLYWOOD ASSOCIATION PS 1-07. EACH SHEET SHALL BE GRADE MARKED BY THE AMERICAN PLYWOOD ASSOCIATION, AND SHALL CONFORM TO THE REQUIREMENTS OF STANDARD GRADE GROUP 1 OR BETTER GRADE STAMPED AND IDENTIFIED UNDER THE PROCEDURES AND QUALIFICATIONS SET FORTH BY PS 1-07.

- PLYWOOD SUB FLOOR: 1 1/8" T&G UNBLOCKED PLYWOOD. PROVIDE SEAMLESS WOVEN POLYFLEX BOTTOM BOARD FOR MOISTURE PROTECTION
- PLYWOOD ROOF DECK: APA RATED 3/4" T&G OSB OR EQUIVALENT RATED SHEATHING WITH APPROVAL FROM DSA

3. EXTERIOR WALL SIDING:
 i. STANDARD: 5/8" DURATEMP OR 5/8" SMART PANEL
 ii. OPTIONAL: 5/8" MDO
 iii. OPTIONAL: 1/2" OSB OR CDX PLYWOOD FOR PLASTER/SUCCO FINISH

4. EXTERIOR WALL SIDING ATTACHMENT:
 FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS SHALL BE HOT-DIPPED GALVANIZED, MECHANICALLY DEPOSITED ZINC-COATED, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC SECTION 2304.10.1.1

TREATED WOOD:
 ALL WOOD INCLUDING WOOD SHEATHING IN CONTACT WITH CONCRETE OR MASONRY AND LOCATED LESS THAN 18" FROM EXPOSED EARTH SHALL BE "PRESERVATIVE TREATED" OR SHALL BE "NATURALLY DURABLE" MATERIAL PER CBC SECTION 2304.12.1.2.)

- ALL ROUGH LUMBER SHALL BE DF #2 OR BETTER.
- WOOD FASTENERS OTHER THAN SCREWS
 ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, AND RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.
- FASTENERS, INCLUDING NUTS AND WASHERS, IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC SECTION 2304.10.5.1

CONTINUOUS INSPECTION:
 PROJECT INSPECTOR TO PROVIDE CONTINUOUS FIELD INSPECTION.
 IN-PLANT INSPECTOR SHALL PROVIDE CONTINUOUS INSPECTION IN-PLANT

METALS, STRUCTURAL, AND MISC. STEEL:
 CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND SERVICES REQUIRED FOR STRUCTURES AND MISCELLANEOUS STEEL AS SPECIFIED AND INDICATED IN THE DRAWINGS.

STEEL SHEETS: STEEL SHEETS FOR LIGHT GAUGE STEEL SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-1011/A, GRADE 40 U O N. SHEET METAL GRAVEL STOPS AND FLASHINGS SHALL BE MINIMUM 0.030 THICKNESS AND SHALL BE GALVANIZED.

ERECTION:
 ALL STRUCTURAL STEEL SHALL BE ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNED LOCATION. TEMPORARY BRACING OR SHORING SHALL BE INSTALLED WHEREVER NECESSARY TO TAKE CARE OF LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING ERECTION EQUIPMENT AND THE OPERATION OF SAME. CONNECTIONS SHALL BE ADEQUATE TO WITHSTAND STRESSES TO WHICH THEY ARE NORMALLY SUBJECTED. CONNECTIONS SHALL BE STEEL, EXCEPT AS OTHERWISE NOTED. FIELD CONNECTIONS SHALL BE BOLTED OR WELDED AS SHOWN ON THE DRAWINGS.

SHOP PAINT:
 * EXPOSED STEEL COATED WITH ONE SHOP COAT OF PRIMER.
 * NON-EXPOSED STEEL COATED WITH ON SHOP COAT OF PRIMER.
 * ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.

POWER DRIVEN FASTENERS FOR SILL PLATE, WOOD NAILERS TO STEEL COLUMNS, AND SHEET METAL TO STRUCTURAL STEEL:
 ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, OR RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.

WOOD ROUGH CARPENTRY:
 THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS AND STEPS NECESSARY TO PROTECT ALL COMPLETED, SEMI-COMPLETED, AND TEMPORARY WORK FROM COMMENCEMENT OF PROJECT TO COMPLETE, SEMI-COMPLETION OF SAME ANY PORTION OF THE WORK DAMAGED OR DISFIGURED SHALL BE SATISFACTORILY REPAIRED OR REPLACED AND THE WORK AS A WHOLE LEFT WITHOUT BLEMISH AT FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ALL NECESSARY MEASUREMENTS AT THE BUILDING, THE ACCURATE FITTING OF ALL WORK AND PROPER ACCOMMODATION OF OTHER TRADES.

DESCRIPTION OF WORK:
 THIS SECTION INCLUDES FURNISHING OF ALL LABOR, MATERIAL, TOOLS, EQUIPMENT, TRANSPORTATION, AND FACILITIES TO COMPLETE ROUGH CARPENTRY AS INDICATED IN THE DRAWINGS AND AS SPECIFIED HEREIN.

WORKMANSHIP:
 ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICE, SHALL BE ACCURATE AS TO MEASUREMENT AND SHALL BE CAREFULLY DONE. PLYWOOD SHEATHING SUBFLOOR SHALL PROVIDE A SMOOTH UNIFORM SURFACE CAPABLE PROPERLY ACCEPTING A CARPET FINISH.

ROOF DIAPHRAGM:
 3/4" T&G APA RATED SHEATHING - STRUCTURE 1 EXPOSURE 1
 SPAN RATING 48/24 MIN.
 FASTEN TO ROOF JOISTS AND BEAMS W/ #10 X 1 1/4" LG. SELF DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS AT 4" O.C. AT BOUNDARIES, 6" O.C. AT EDGES, AND 12" O.C. FIELD SCREWS. MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2.

FLOOR DIAPHRAGM:
 1 1/8" PLYWOOD - STURD-I-FLOOR
 EXTERIOR - TONGUE AND GROOVE EDGES
 SPAN RATING: 48"
 FASTEN TO FLOOR JOISTS AND BEAMS W/ #10 - 24 X 1 3/4 LG. SELF-DRILLING, SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2.

@ 150-PSF (FULLY BLOCKED):
 FASTEN TO SHEET METAL SUPPORTS w/ #10 - 24 x 1 3/4 LG. SELF-DRILLING, SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS AT 4" O.C. BOUNDARIES + CONT. PANEL EDGES, 6" O.C. @ ALL OTHER PANEL EDGES 12" O.C. INTERMEDIATE.
 ALL EDGES OF ALL PANELS SHALL BE ATTACHED TO FRAMING MEMBERS OR BLOCKING. WHERE USED AS BLOCKING, FLAT STRAPPING SHALL BE A MINIMUM THICKNESS OF 3/8 MILS WITH A MINIMUM WIDTH OF 1.5 INCHES. SCREWS SHALL BE INSTALLED THROUGH THE SHEATHING TO THE BLOCKING.

CONCRETE FLOOR DATA: LIGHTWEIGHT CONCRETE FLOOR
 STRENGTH: 3000 PSI MIN
 TYPE: I OR II
 DENSITY: 110 PCF - MAX

DIMENSION LUMBER ATTACHMENT TO STEEL FRAMING:
 2 X STUDS AT CORNER STEEL COLUMNS (NAILING STUD)
 USE: #10 - 24 X 2 1/2" LG. SELF-DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD WITH WASHER ZINC COATED TEK SCREWS AT 24" O.C.

REFERENCE STANDARDS NOTES:
 INTENT OF DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE STATE OF CALIFORNIA, CALIFORNIA CODE OF REGULATIONS, PART 1, 2, 3, 4, 5, 6, 9, AND 12, SUB-CAPART 1. CALIFORNIA BUILDING CODE, 2022 EDITION, MANUAL OF STEEL CONSTRUCTION, (AISC) 15TH EDITION, AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE, AWS D1.1, AMERICAN INSTITUTE OF TIMBER CONSTRUCTION STANDARD, (AITC) 109 ARCHITECTURAL SHEET METAL MANUAL, AIA FILE NO. 12-L (SMACNA) LATEST ADOPTED EDITION UNLESS OTHERWISE NOTED.

WORKMANSHIP:
 WORKMANSHIP AND MATERIALS SHALL BE SUCH THAT BUILDING WILL BE WEATHERTIGHT AND WATER TIGHT.

INSPECTIONS:
 A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

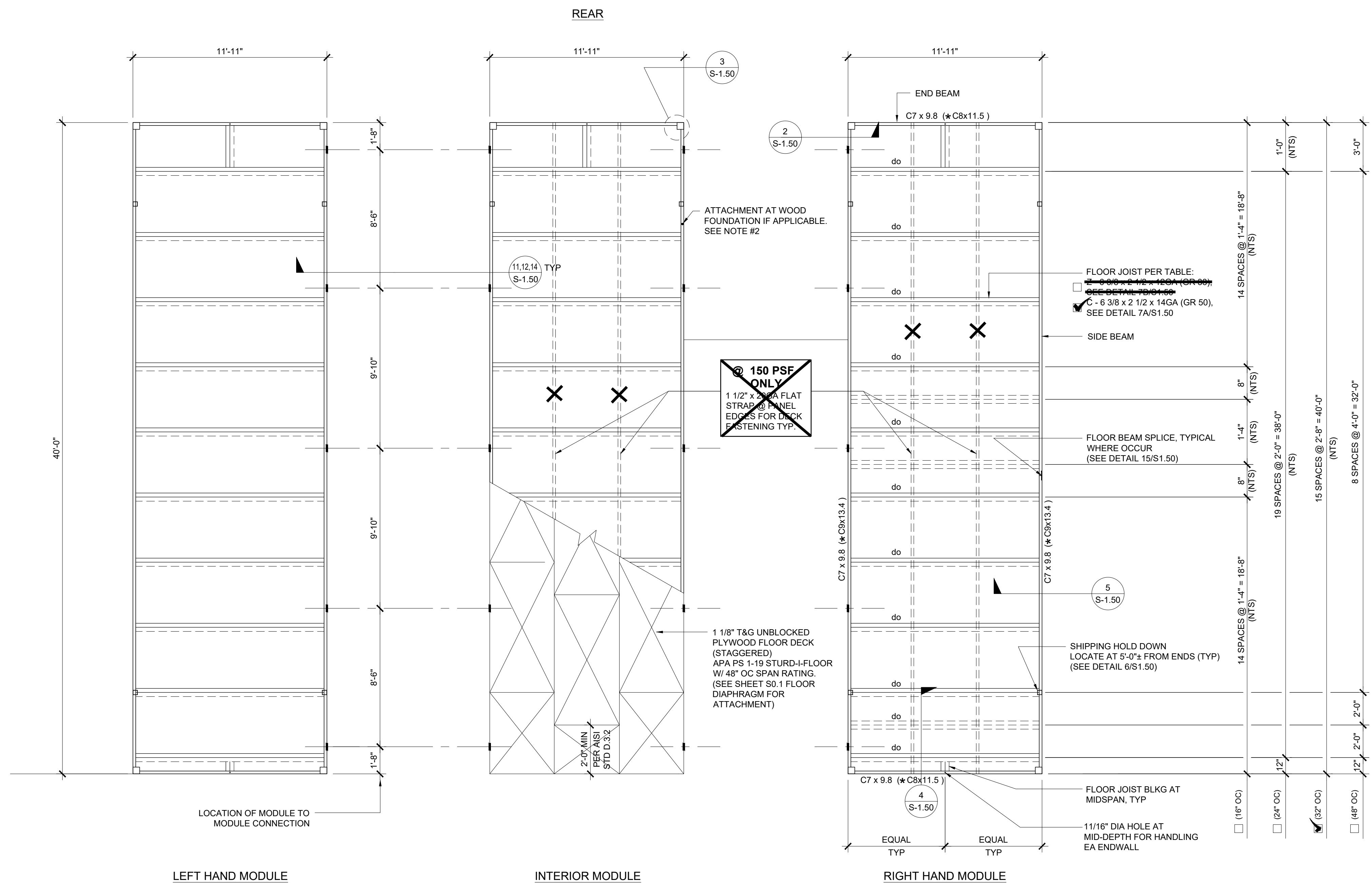
CHANGES:
 CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

NAILING NOTES:
 1. ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED
 2. MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO THE SECOND MEMBER, AND SHALL BE NOT LESS THAN 3" IN OVERALL LENGTH. THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.

CONNECTION AND FASTENERS:
 ALL CONNECTIONS AND FASTENERS AS STATED ON THESE DRAWINGS CAN BE SUBSTITUTED BY AN EQUIVALENT PRODUCT WITH ICC REPORTS AND APPROVAL BY DSA.

CONNECTION OF LAG SCREWS:
 AS REQUIRED PER ANS I / AF&A NDS-2012, LAG SCREWS MUST BE INSTALLED INTO A PRE-DRILLED PILOT HOLE WITH A STANDARD WASHER AND TURNED WITH A WRENCH. DO NOT DRIVE IN WITH A HAMMER. OVER-TIGHTENING CAN SIGNIFICANTLY REDUCE THE LATERAL RESISTANCE OF THE LAG SCREW AND SHOULD BE AVOIDED.

FASTENING SCHEDULE (2022 CBC TABLE 2304.10.1)		
DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION
Roof		
1. Blocking between ceiling joists, rafters or trusses to top plate or other framing below	3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Each end, toenail
Blocking between rafters or truss not at the wall top plate, to rafter or truss	2-8d common (2 1/2" x 0.131"); or 2-3" x 0.131" nails; or 2-3" 14 gage staples, 7/16" crown	Each end, toenail
Flat blocking to truss and web filer	2-16 d common (3 1/2" x 0.162") 3-3" x 0.131" nails 3-3" 14 gage staples	End nail
2. Ceiling joists to top plate	3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Each joist, toenail
3. Ceiling joist not attached to parallel rafter, laps over partitions (no thru) (see Section 2306.7.3.1, Table 2306.7.3.1)	3-16d common (3 1/2" x 0.162"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Face nail
4. Ceiling joist attached to parallel rafter (heel joint) (see Section 2306.7.3.1, Table 2306.7.3.1)	Per Table 2306.7.3.1	Face nail
5. Collar tie to rafter	3-10d common (3" x 0.148"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Face nail
6. Rafter or roof truss to top plate (See Section 2308.7.5, Table 2308.7.5)	3-10 common (3" x 0.148"); or 3-16d box (3 1/2" x 0.135"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Toenail
7. Roof rafters to ridge valley or hip rafters; or roof rafter to 2-inch ridge beam	2-16d common (3 1/2" x 0.162"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	End nail
	3-10d common (3" x 0.148"); or 4-16d box (3 1/2" x 0.135"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	Toenail
Wall		
8. Stud to stud (not at braced wall panels)	16d common (3 1/2" x 0.162"); 10d box (3" x 0.128"); or 3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	24" o.c. face nail
9. Stud to stud and abutting studs at intersecting wall corners (at braced wall panels)	16d common (3 1/2" x 0.162"); or 16d box (3 1/2" x 0.135"); or 3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	16" o.c. face nail
10. Built-up header (2" to 2" header)	16d common (3 1/2" x 0.162"); or 16d box (3 1/2" x 0.135")	16" o.c. each edge, face nail
11. Continuous header to stud	4-8d common (2 1/2" x 0.131"); or 4-10d box (3" x 0.128")	Toenail
12. Top plate to top plate	16d common (3 1/2" x 0.162"); or 10d box (3" x 0.128"); or 3" x 0.131" nails; or 3" 14 gage staples, 7/16" crown	16" o.c. face nail
13. Top plate to top plate, at end joints	8-16d common (3 1/2" x 0.162"); or 12-10d box (3" x 0.128"); or 12-3" x 0.131" nails; or 12-3" 14 gage staples, 7/16" crown	Each side of end joint, face nail (minimum 24" lap splice length each side of end joint)
14. Bottom plate to joist, rim joist, band joint or blocking (not at braced wall panels)	16d common (3 1/2" x 0.162"); or 16d box (3 1/2" x 0.135"); or 3" x 0.131" nails; or 3" 14 gage staples, 7/16" crown	16" o.c. face nail
15. Bottom plate to joist, rim joist, band joint or blocking at braced wall panels	2-16d common (3 1/2" x 0.162"); or 3-16d box (3 1/2" x 0.135"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	16" o.c. face nail
16. Stud to top or bottom plate	4-8d common(2 1/2" x 0.131"); or 4-10d box (3" x 0.128"); or 4-3" x 0.131" nails; or 4-3" 14 gage staples, 7/16" crown; or 2-16d common (3 1/2" x 0.162"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Toenail
17. Top plates, laps at corners and intersections	2-16d common (3 1/2" x 0.162"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	End nail
18. 1" brace to each stud and plate	2-8d common (2 1/2" x 0.131"); or 2-10d box (3" x 0.128"); or 2-3" x 0.131" nails; or 2-3" 14 gage staples, 7/16" crown	Face nail
19. 1" x 6" sheathing to each bearing	2-8d common (2 1/2" x 0.131"); or 2-10d box (3"	



NOTE:
 * SEE BEAM AND COLUMN SCHEDULE ON SHEETS S-3.01 THRU S-3.02 FOR APPLICABLE FLOOR BEAM SIZE

- NOTES:**
- FOR FLOOR BLOCKING SEE DETAILS 4.7B / S-1.50 (STD), 4.7A / S-1.50 (ALT)
 - FOR BUILDINGS ON WOOD FOUNDATION SYSTEMS, PROVIDE 1 1/16" DIA. HOLE AT BOTTOM FLANGE OF FLOOR BEAM FOR LAG SCREW ATTACHMENT TO FOUNDATION PLATES BELOW. FOR EXACT HOLE LOCATIONS, SEE FOUNDATION PLAN.
 - FLOOR SHEATHING SHALL BE PRESSURE TREATED WOOD OR NATURALLY DURABLE IF BOTTOM OF PLYWOOD IS LESS THAN 18" CLEAR FROM EXPOSED EARTH.
 - HSS COLUMN SCHEDULES ON SHEETS S-3.01 THRU S-3.02

FLOOR JOIST TABLE

	LIVE LOAD PSF	JOIST SPACING	
		CLASSROOM <input checked="" type="checkbox"/>	OFFICE <input type="checkbox"/>
<input type="checkbox"/>	50	48"	48" DBL JOIST
<input type="checkbox"/>	50	32"	32" DBL JOIST
<input type="checkbox"/>	50	24"	24" DBL JOIST
<input type="checkbox"/>	50	16"	16" DBL JOIST
<input checked="" type="checkbox"/>	50 + 15	32"	
<input type="checkbox"/>	50 + 15	24"	
<input type="checkbox"/>	50 + 15	16"	
<input type="checkbox"/>	100	24"	
<input type="checkbox"/>	100	16"	
<input type="checkbox"/>	150	16"	

FLOOR SHEATHING

PRESSURE TREATED
 NON-PRESSURE TREATED

NOTE:
 PRESSURE TREATED SHEATHING SHALL ONLY BE PROVIDED WHEN WOOD FOUNDATIONS ARE USED AND EXPOSED EARTH OCCURS WITHIN THE FOUNDATION AT A DISTANCE OF LESS THAN 18" BELOW THE UNDERSIDE OF THE FLOOR SHEATHING. SEE 16IF-0.50 FOR ADDITIONAL INFORMATION.

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-122154 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC. (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc.

PROJECT NAME:
**SYLVAN USD
 CROSSROADS E.S.
 (2) 24' x 40'
 CLASSROOM BUILDINGS**

SHEET TITLE:
**FLOOR FRAMING PLAN
 WOOD FLOOR**

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
 CODE: 2022 CBC
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PC STATE AGENCY APPROVAL

Silver Creek
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
 24' x 40' PC

PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 02-27-2023

P.C. SHEET NUMBER
S-1.01

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PROJECT NAME:
**SYLVAN USD
 CROSSROADS E.S.
 (2) 24' x 40'
 CLASSROOM BUILDINGS**

SHEET TITLE:
**FLOOR FRMNG
 DETILS
 WOOD FLOOR**

REVISIONS

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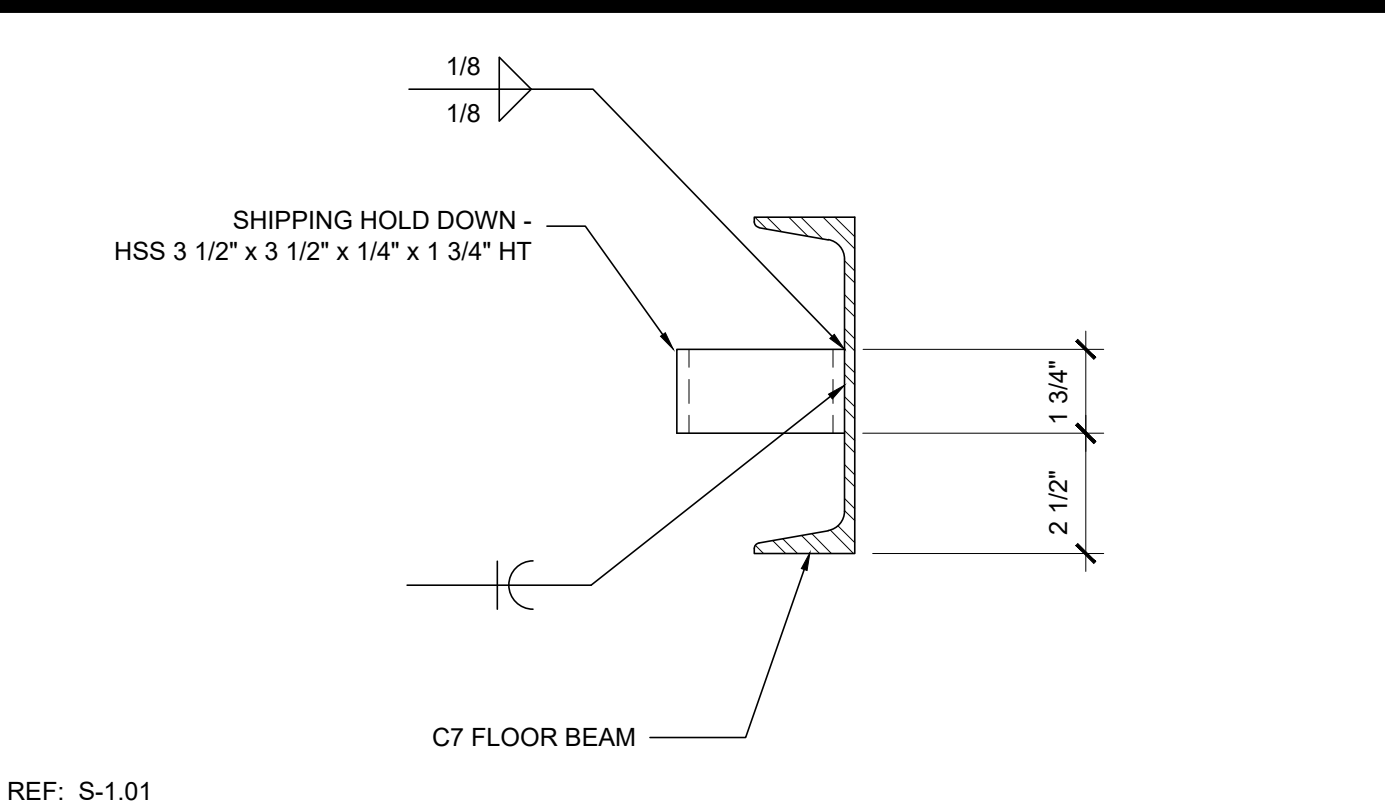
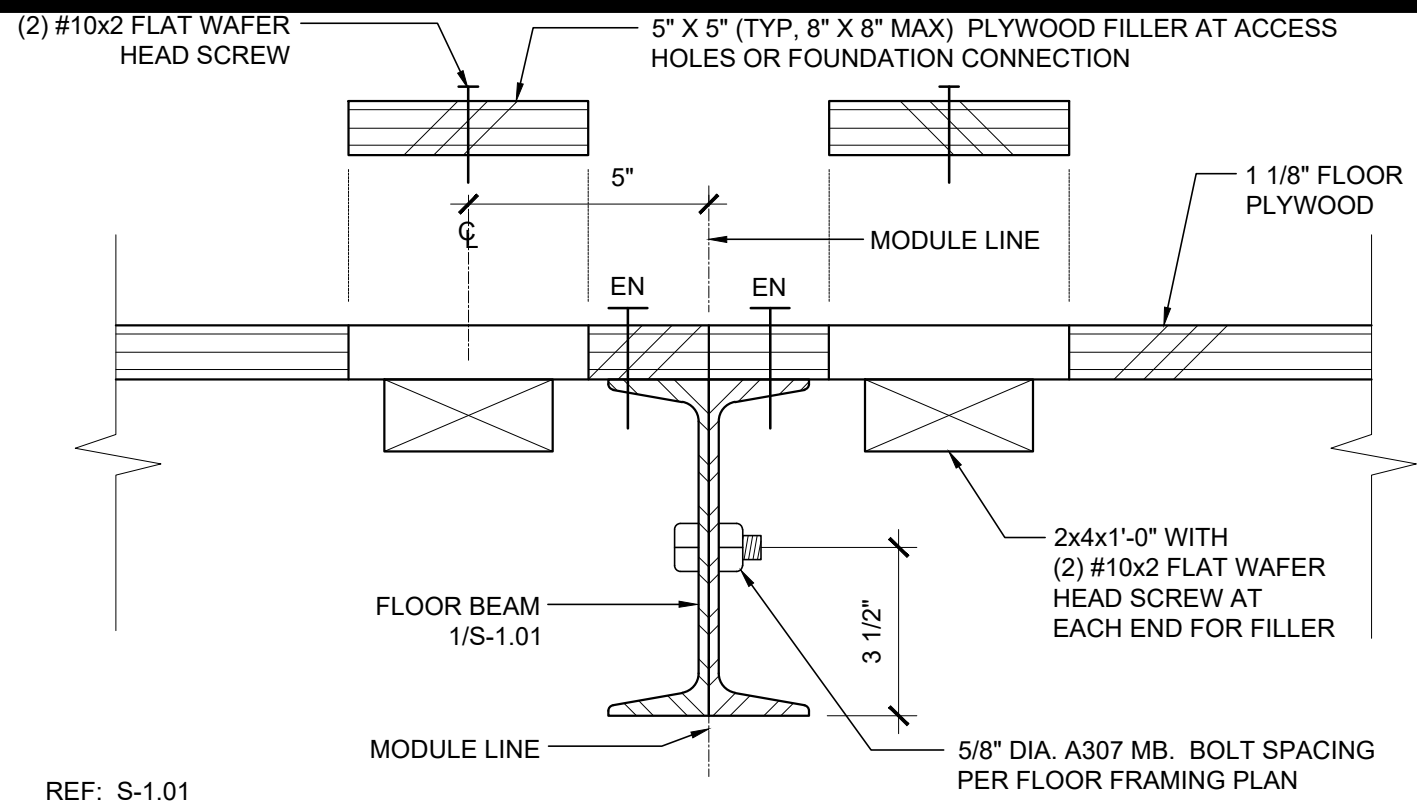
MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
 24' x 40' PC

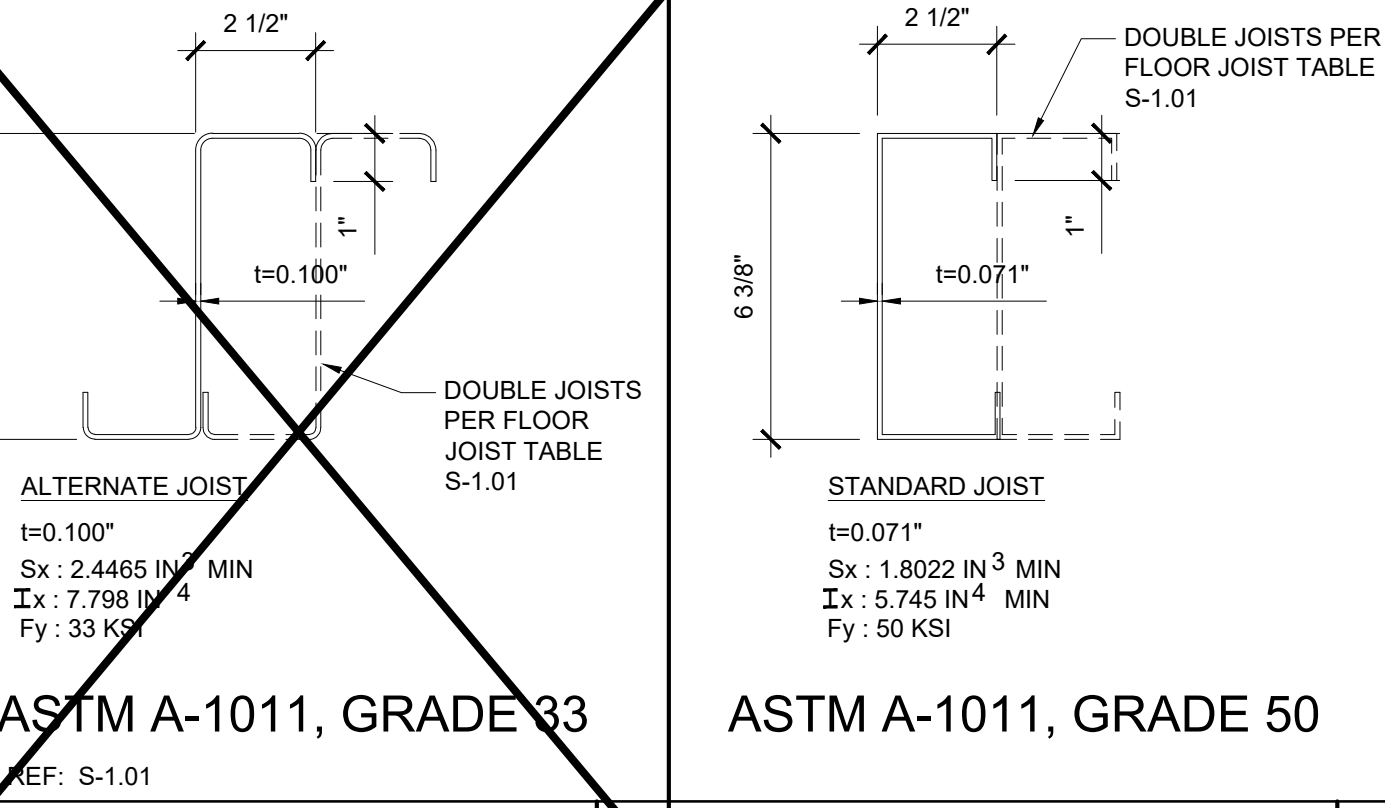
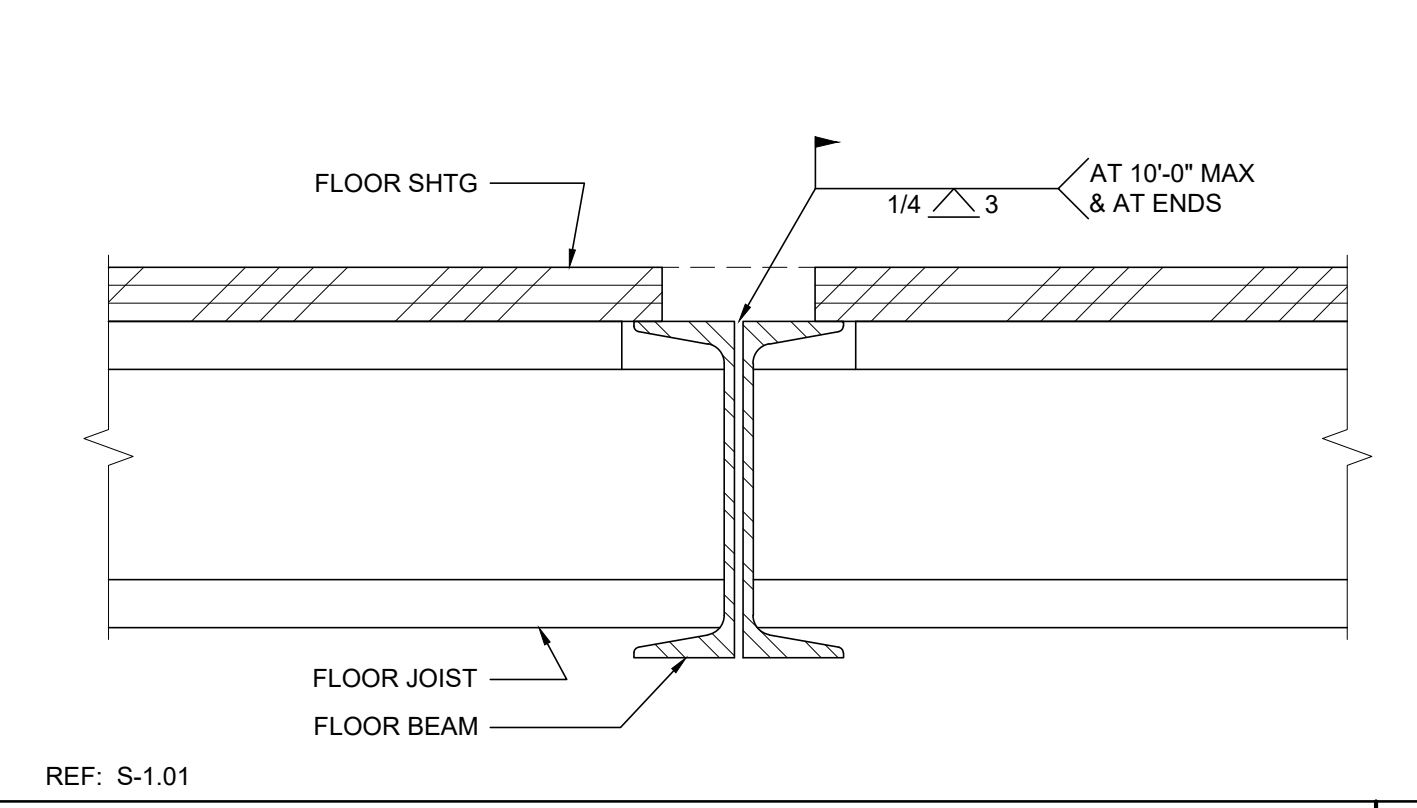
PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 02-27-2023

P.C. SHEET NUMBER
S-1.50



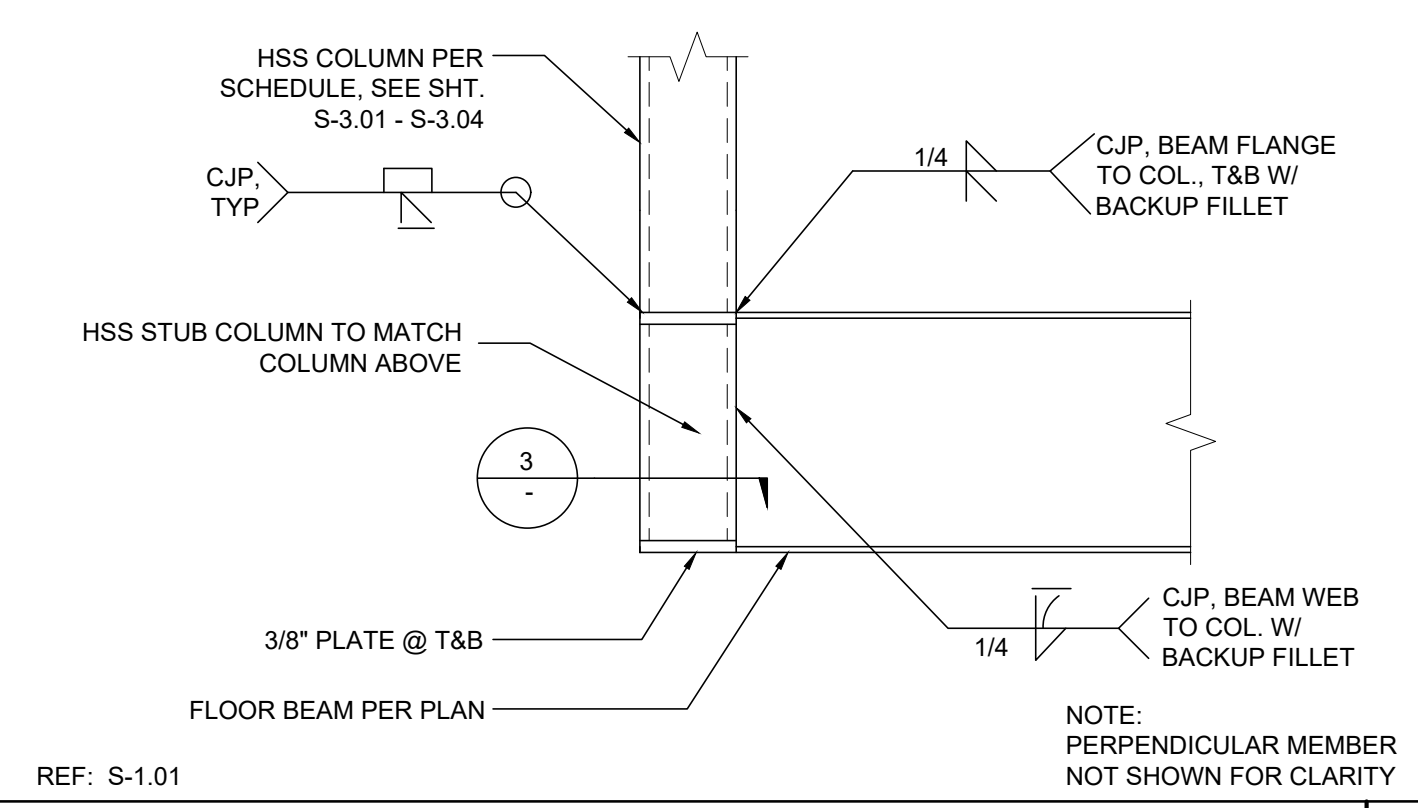
16 MODULE LINE - BOLTED CONNECTION SCALE: 3" = 1'-0" 11

SHIPPING HOLD DOWN DETAIL SCALE: 3" = 1'-0" 6

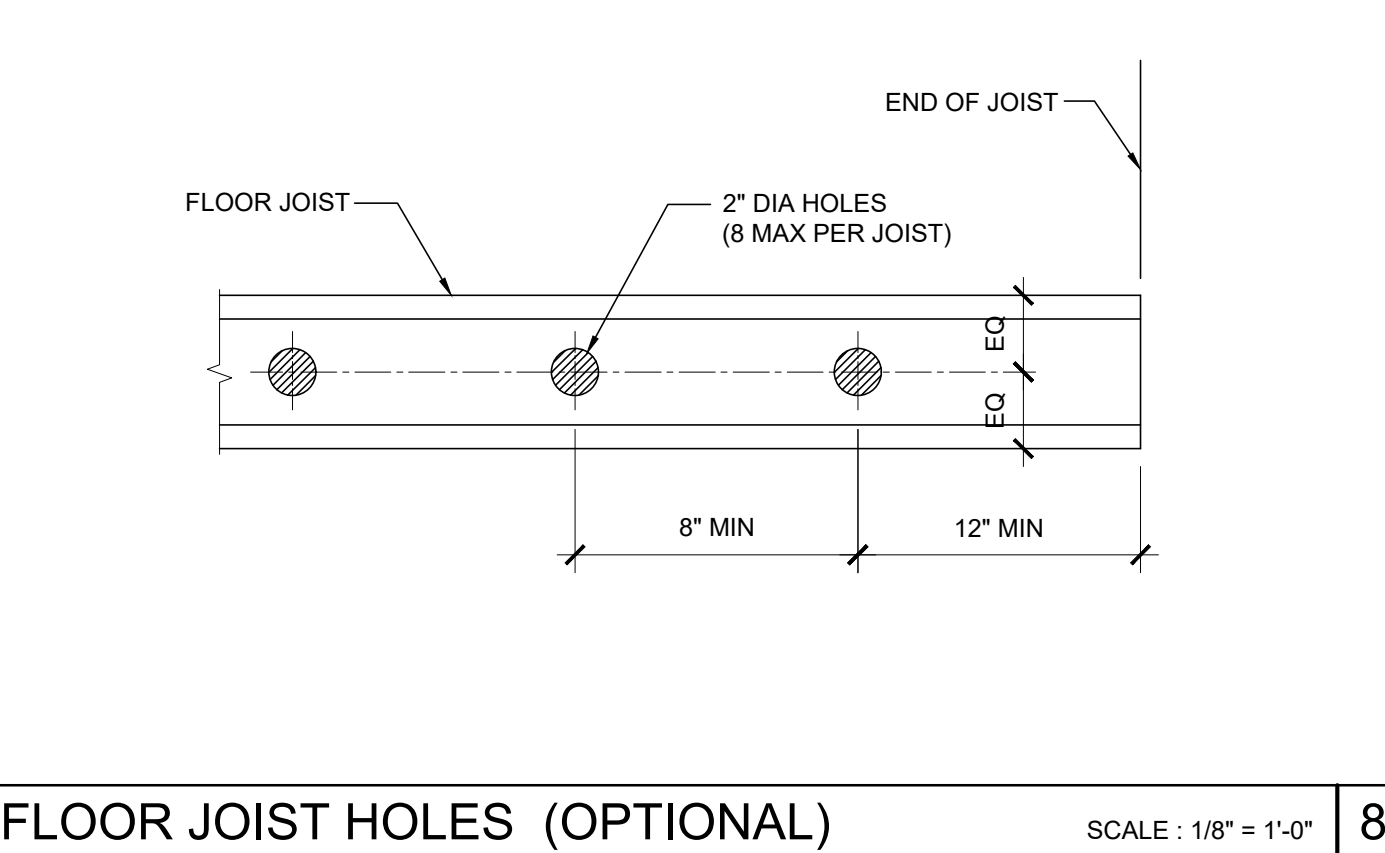
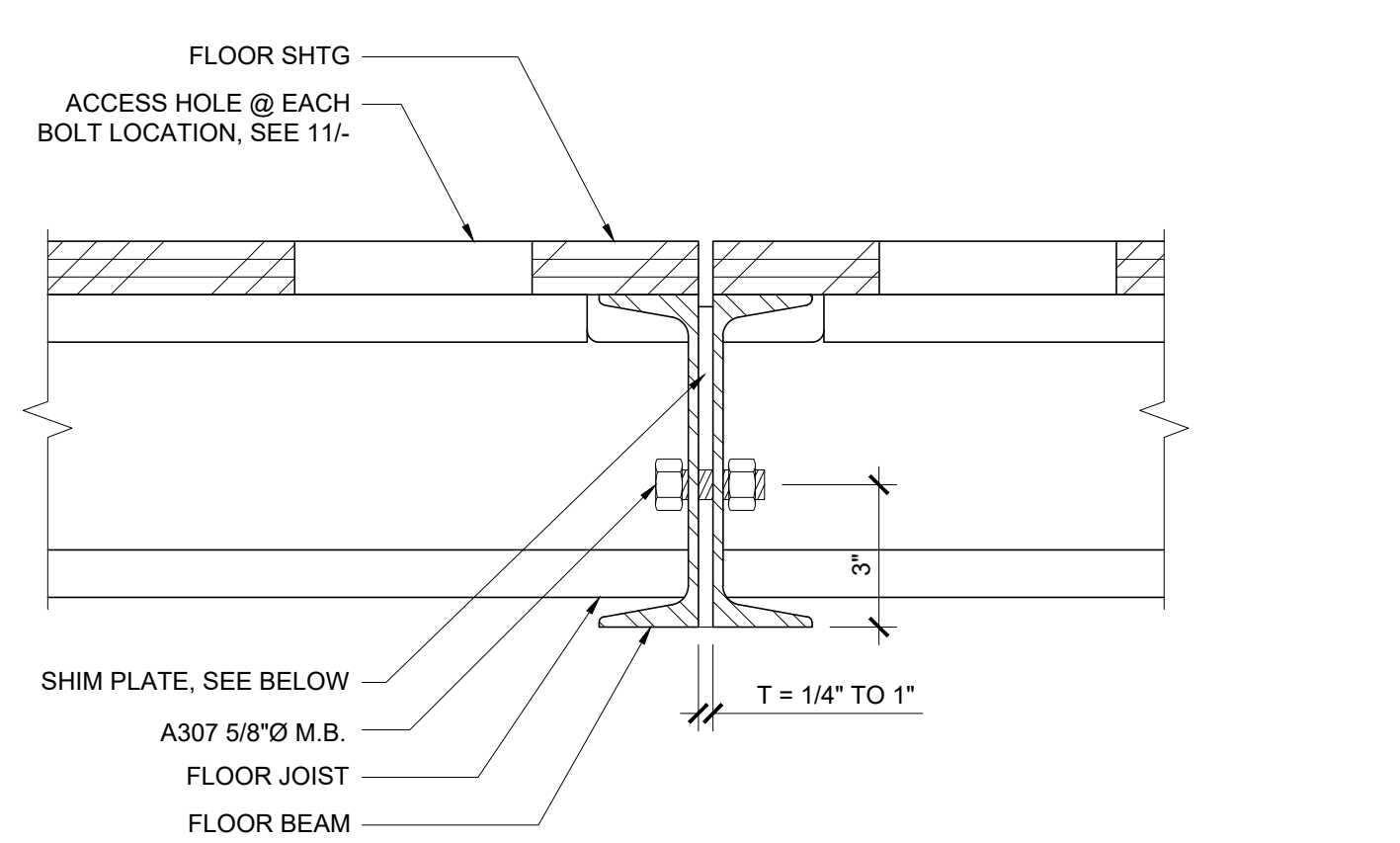


17 MODULE LINE CONNECTION (OPTION 1) SCALE: 3" = 1'-0" 12

FLOOR JOIST SCALE: 3" = 1'-0" 7B FLOOR JOIST SCALE: 3" = 1'-0" 7A

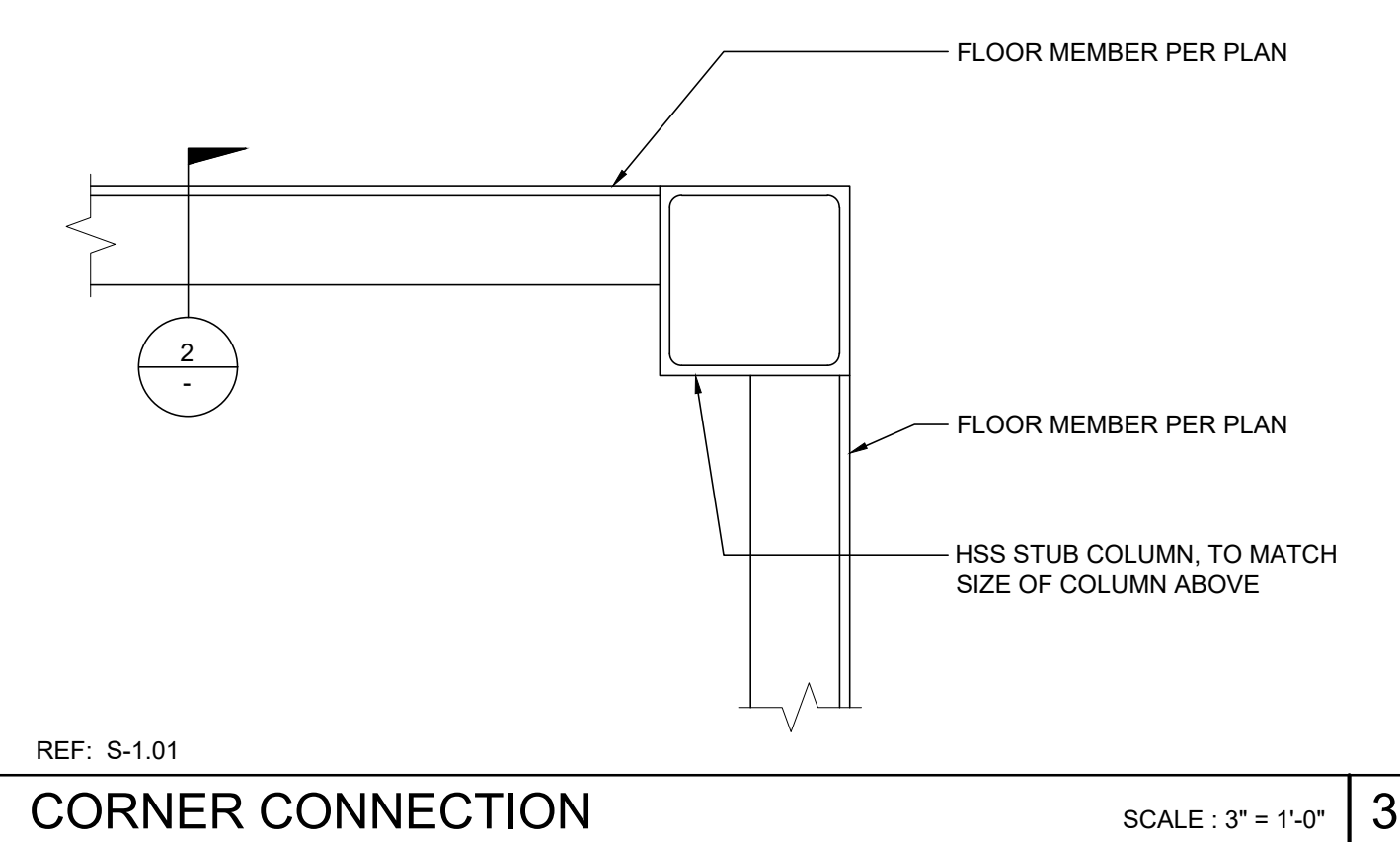


FLOOR BEAM TO COLUMN CONNECTION SCALE: 1 1/2" = 1'-0" 2

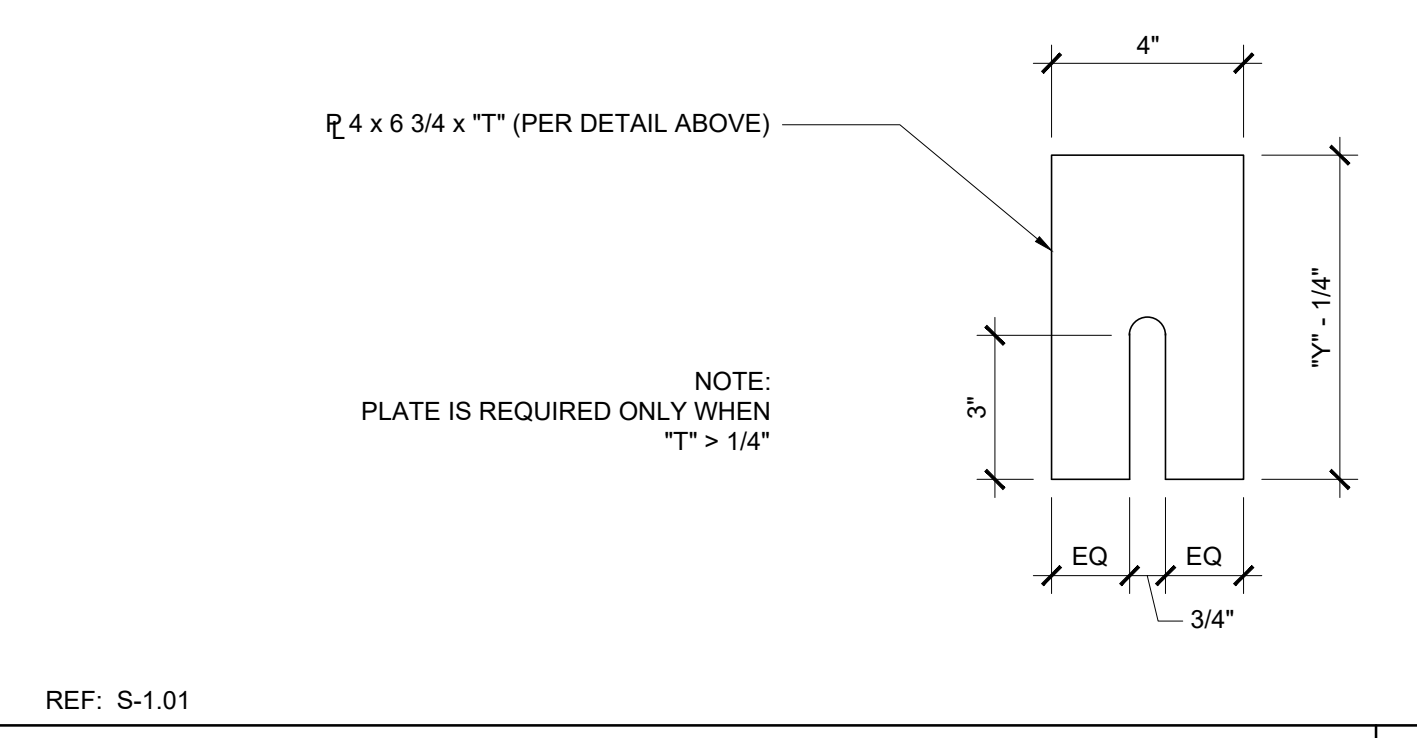


18 MODULE LINE CONNECTION (OPTION 2) SCALE: 3" = 1'-0" 14

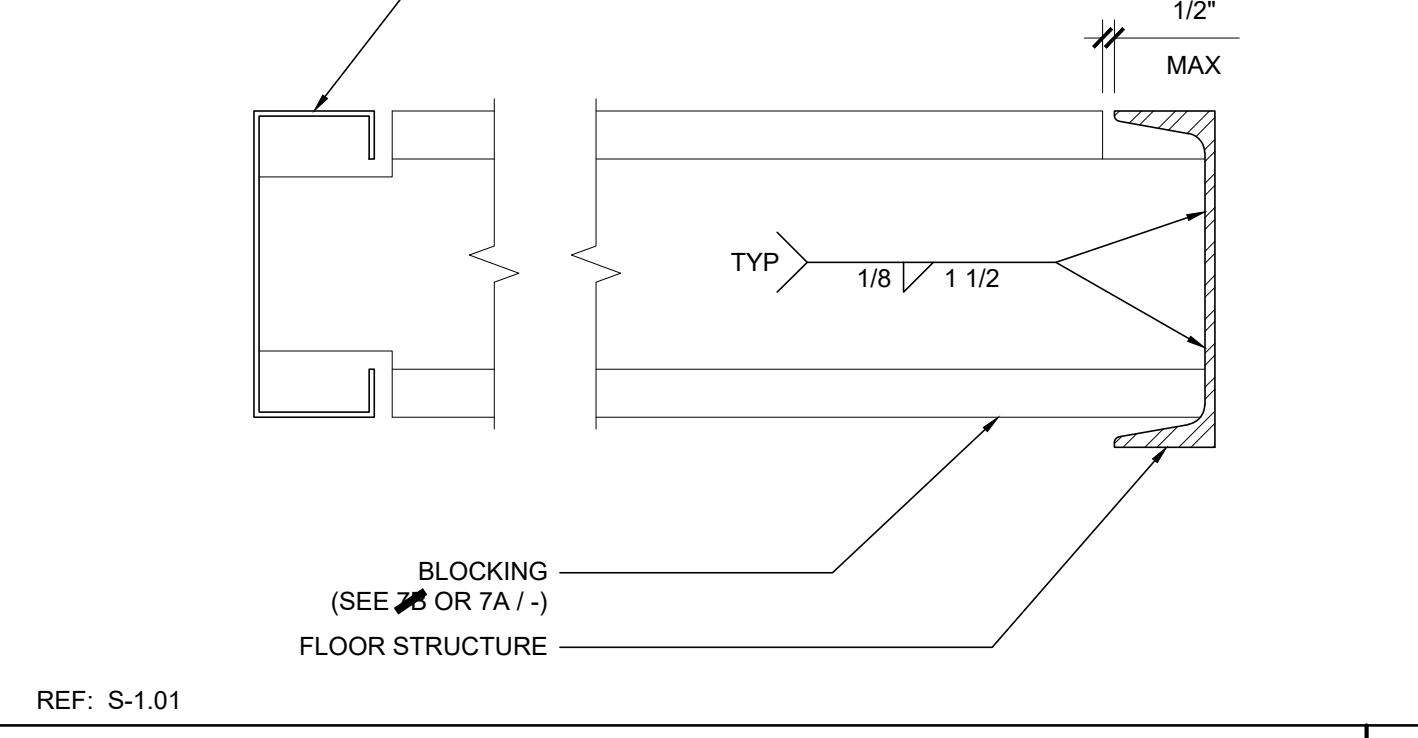
FLOOR JOIST HOLES (OPTIONAL) SCALE: 1/8" = 1'-0" 8



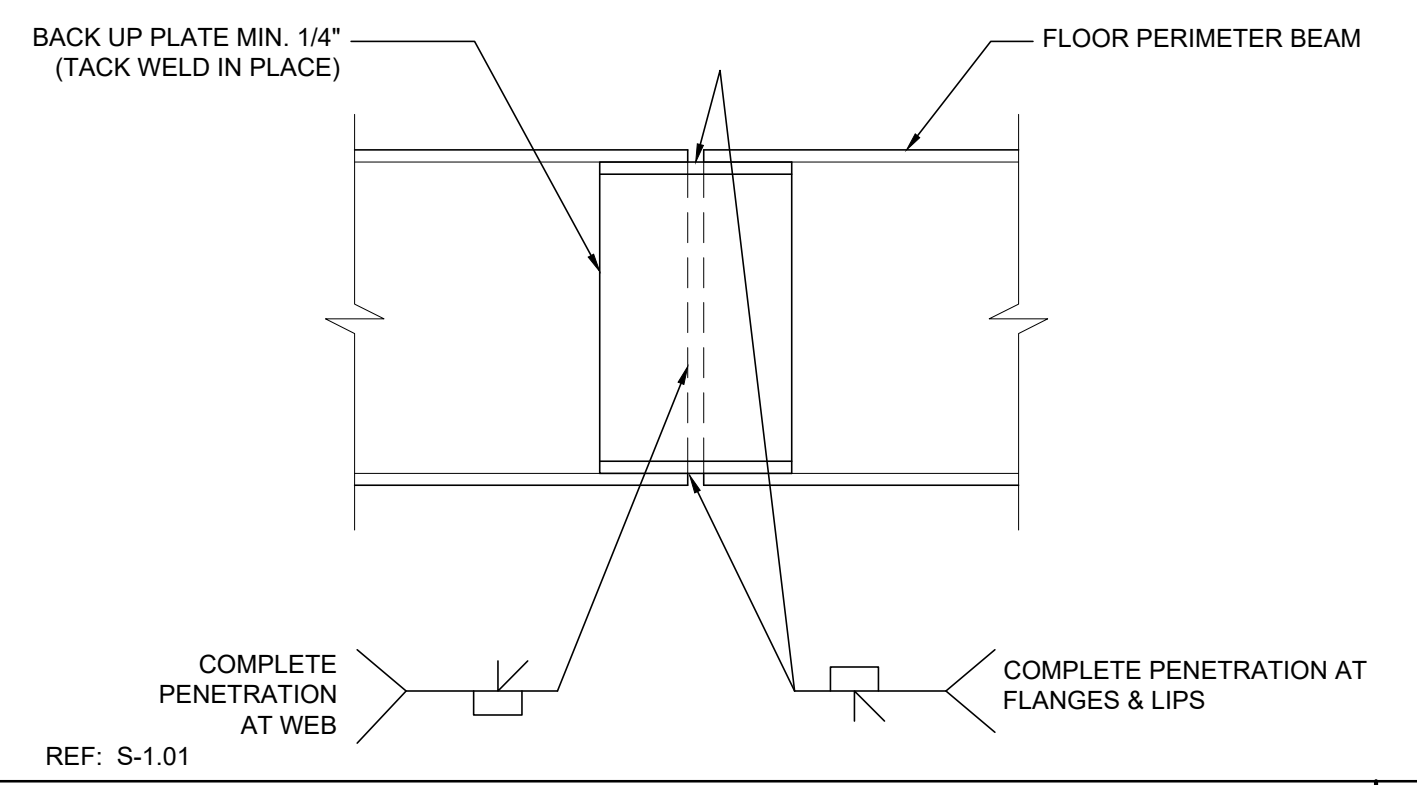
CORNER CONNECTION SCALE: 3" = 1'-0" 3



19 MODULE LINE CONNECTION (OPTION 2) SCALE: 3" = 1'-0" 14

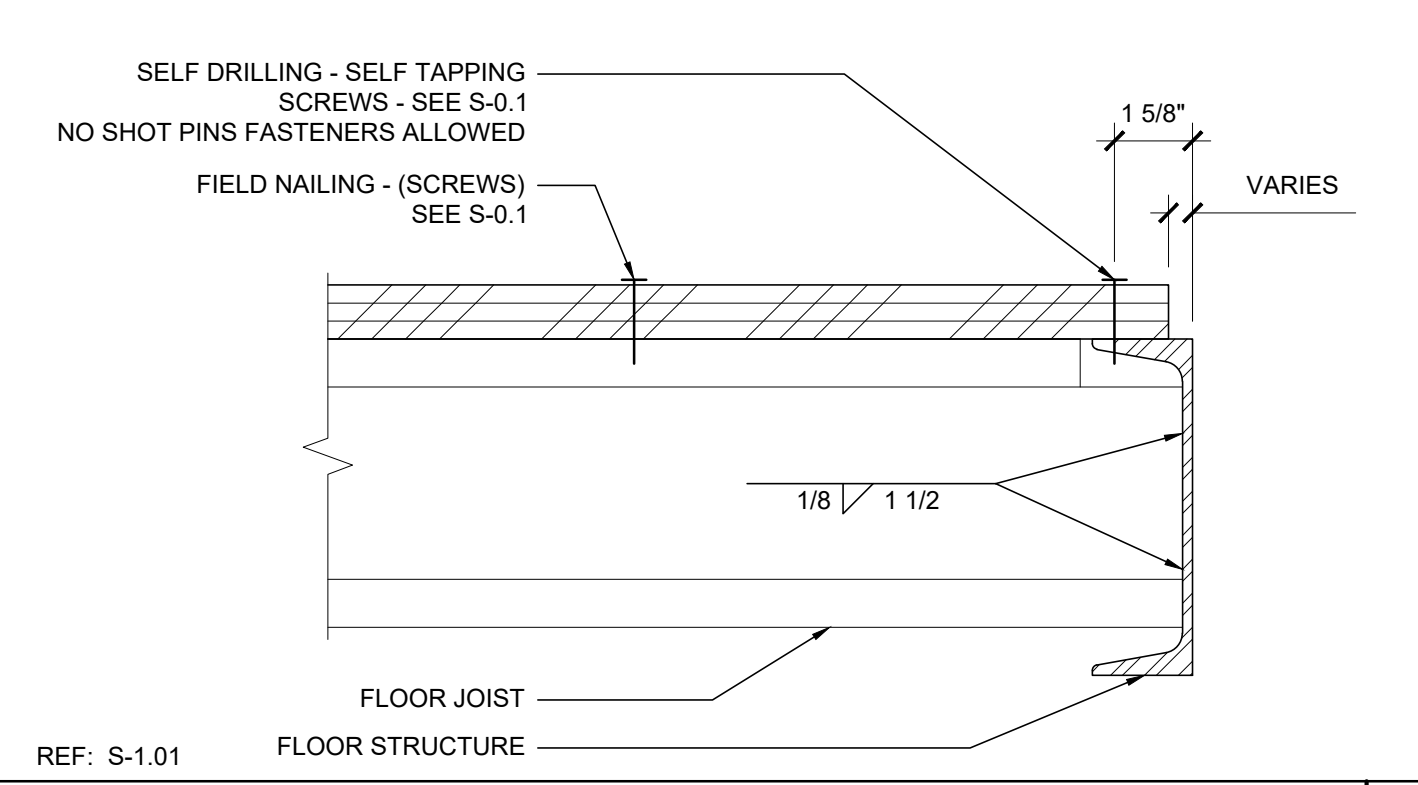


BLOCKING TO END BEAM SCALE: 3" = 1'-0" 4



20 FLOOR BEAM SPLICE SCALE: 3" = 1'-0" 15

NOT USED 10



JOIST TO SIDE BEAM SCALE: 3" = 1'-0" 5

NOTES

- FOR WALL MOUNTED HVAC UNIT, PROVIDE OPENING THROUGH REAR ROOF HEADER WHERE IT OCCURS. SEE FLOOR PLAN FOR HVAC LOCATION. SEE 5.15 / S-2.50 ~~OR S-2.60~~ FOR DETAILS.
- PROVIDE ADDITIONAL JOIST FOR FIRE SPRINKLER LINE AS NEEDED. LOCATION OF FIRE SPRINKLER PURLIN TO BE DETERMINED BY SITE STIFFENER PLATE OR ANGLE BRACE REQUIRED AT THIS LOCATION. FOR FIRE SPRINKLER LINE SIDE BEAM PENETRATION, SEE 14 / S-2.50 ~~OR S-2.60~~ FOR DETAILS.
- FOR OPTIONAL SIDE BEAM OPENING SEE 10, 15/S-2.50 ~~OR S-2.60~~ FOR DETAILS.

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DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

**SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS**

SHEET TITLE:

**ROOF FRAMING PLAN
MONO SLOPE**

REVISIONS

1	
2	
3	
4	
5	

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PC STATE AGENCY APPROVAL



Silver Creek

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

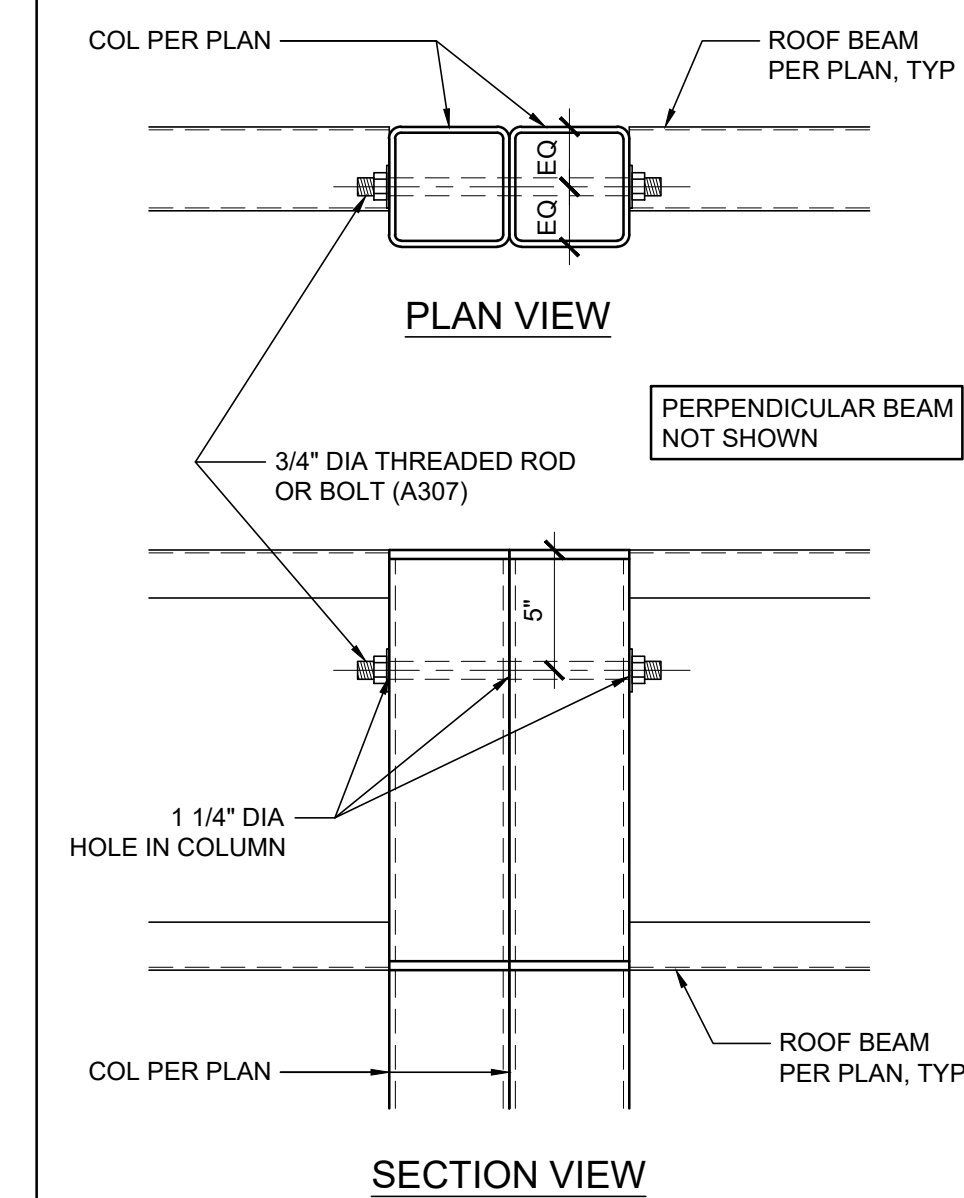
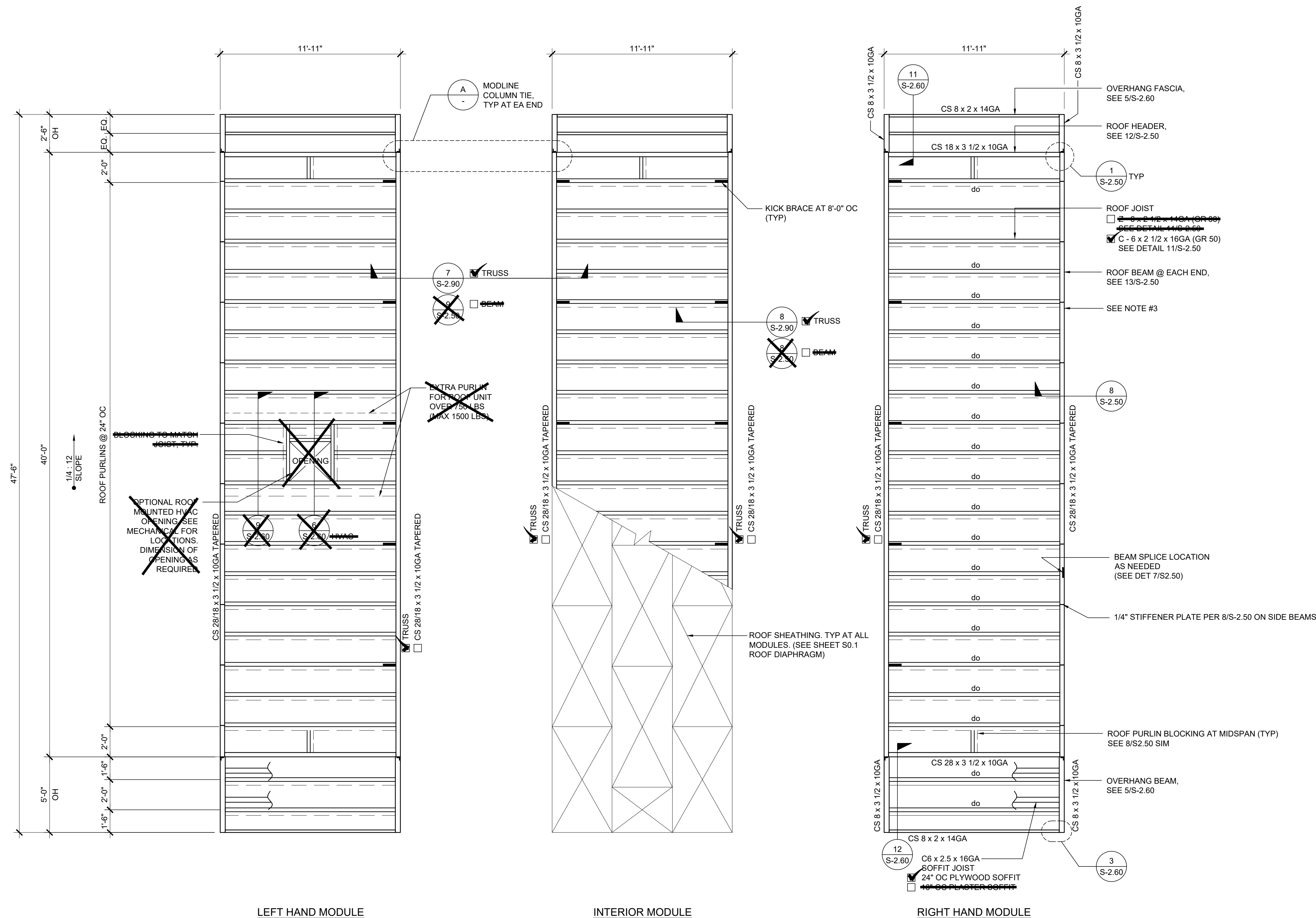
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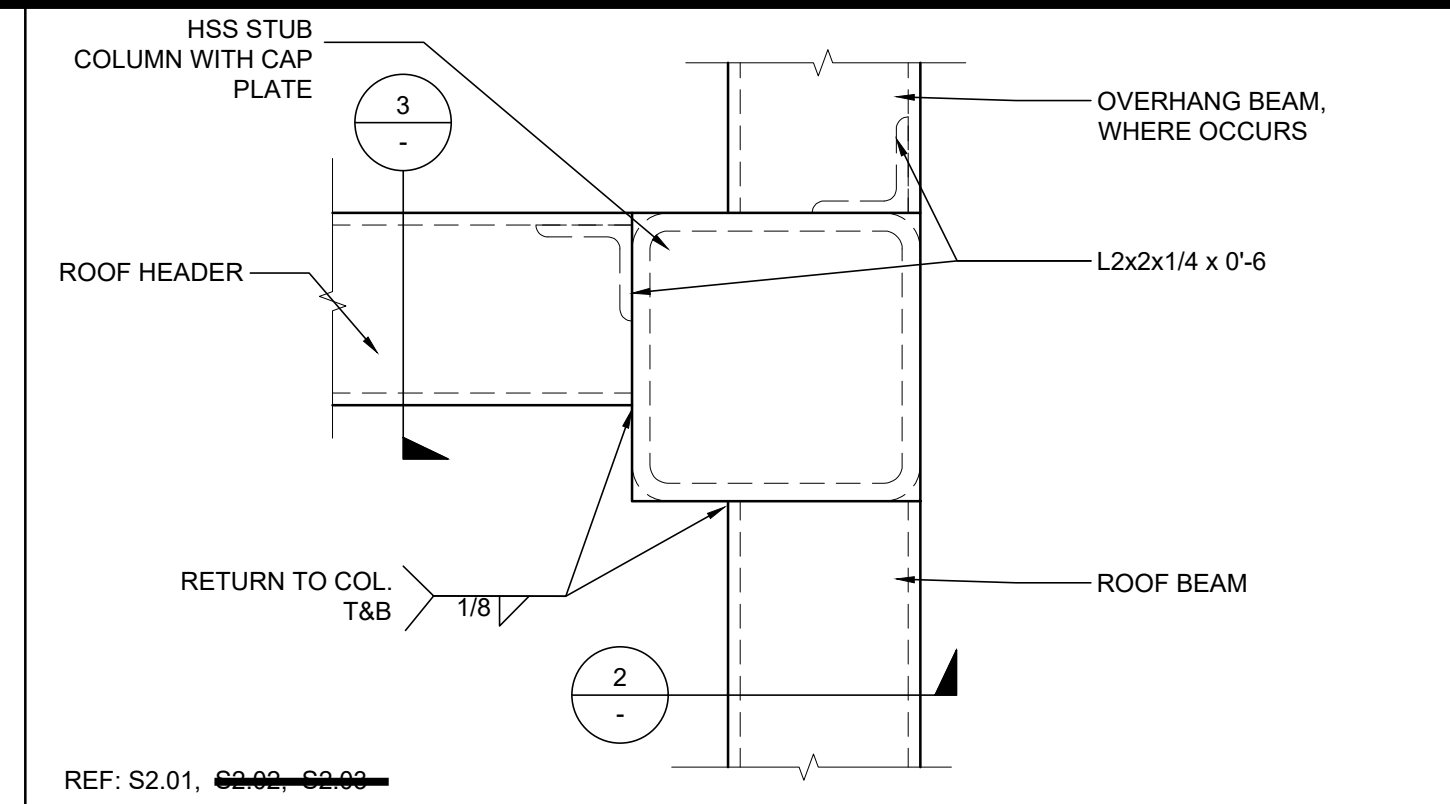
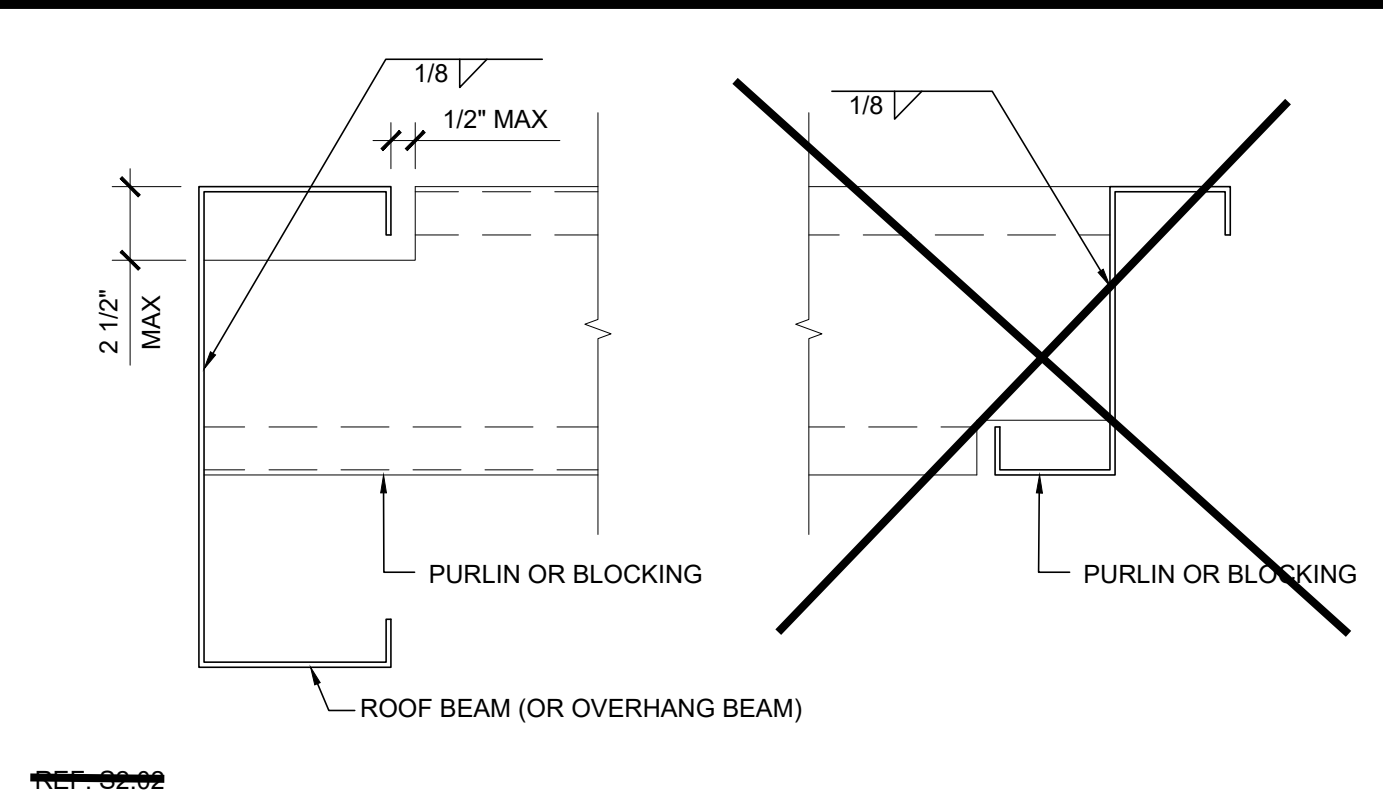
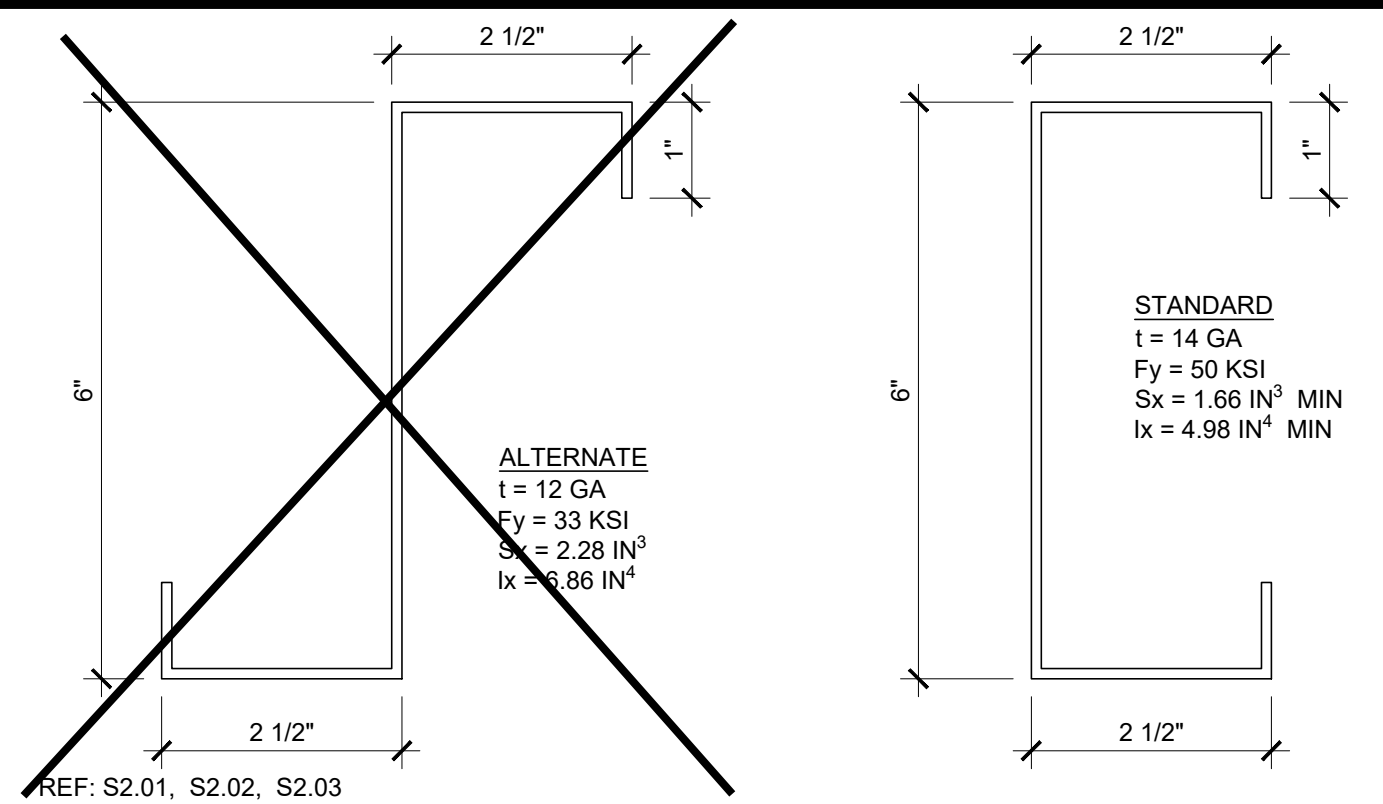
SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

S-2.01





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NOT USED

16 ROOF PURLIN SCALE: 6"=1'-0" 11

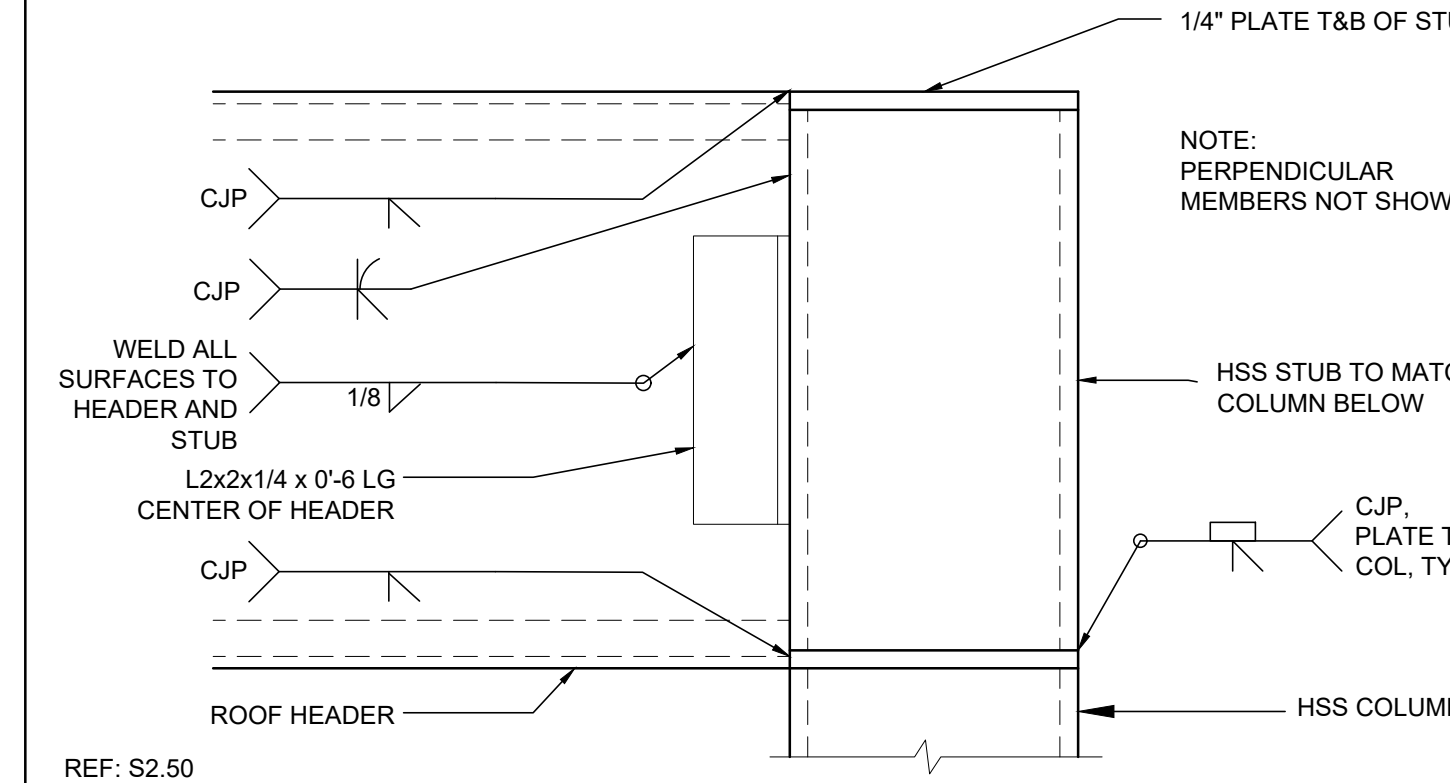
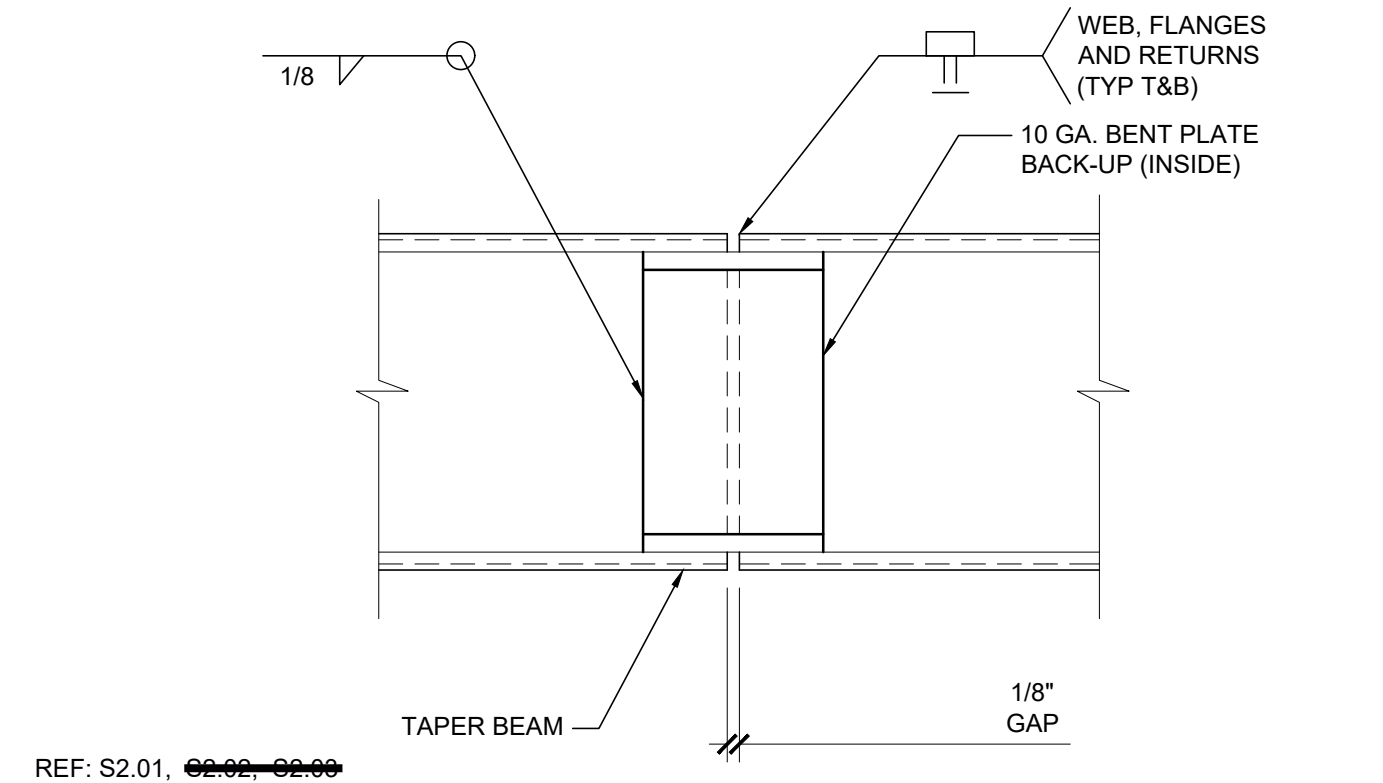
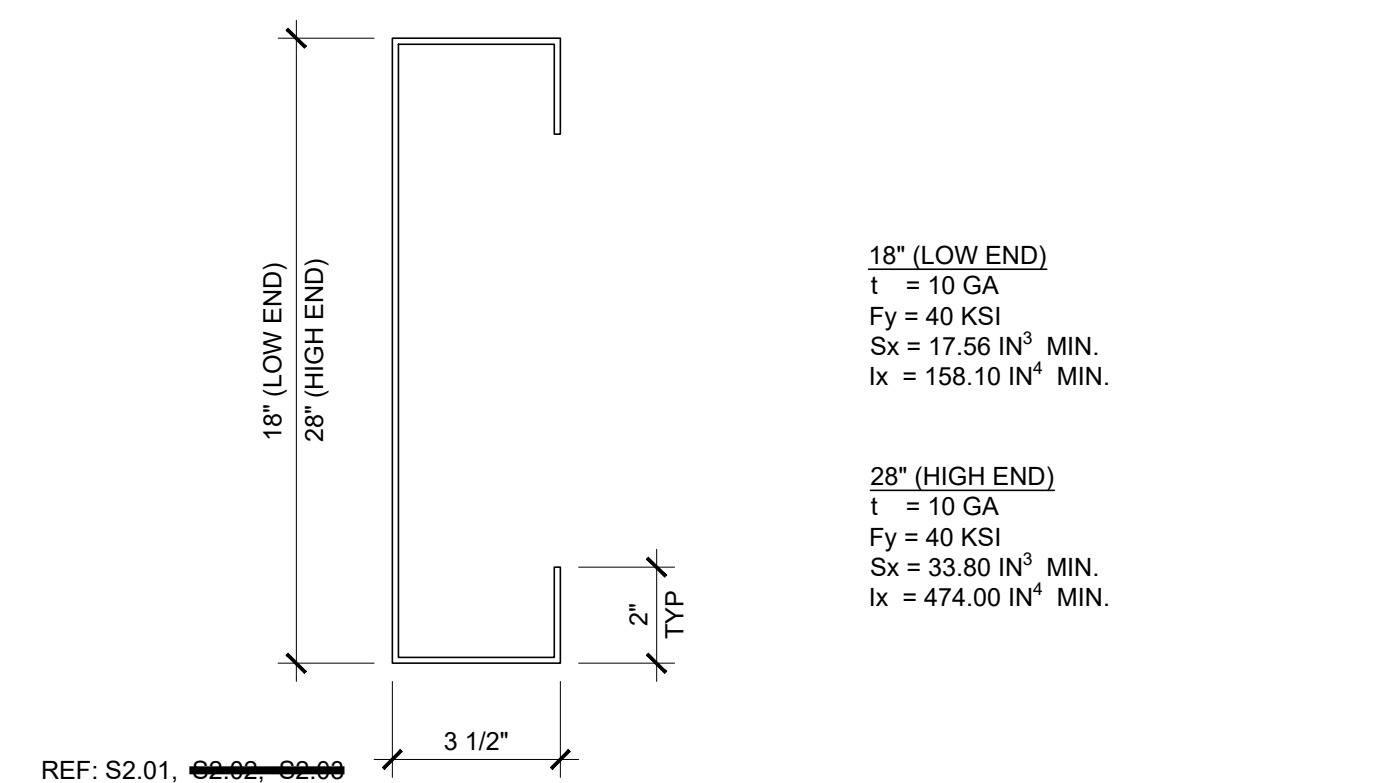
TYPICAL PURLIN CONNECTION DETAIL SCALE: 3"=1'-0" 6

COLUMN AT ROOF - PLAN SCALE: 3"=1'-0" 1

PROJECT NAME:
**SYLVAN USD
 CROSSROADS E.S.
 (2) 24' x 40'
 CLASSROOM BUILDINGS**

SHEET TITLE:
**ROOF FRAMING
 DETAILS
 MONO SLOPE**

REVISIONS



NOT USED

17 ROOF HEADER SCALE: NTS 12

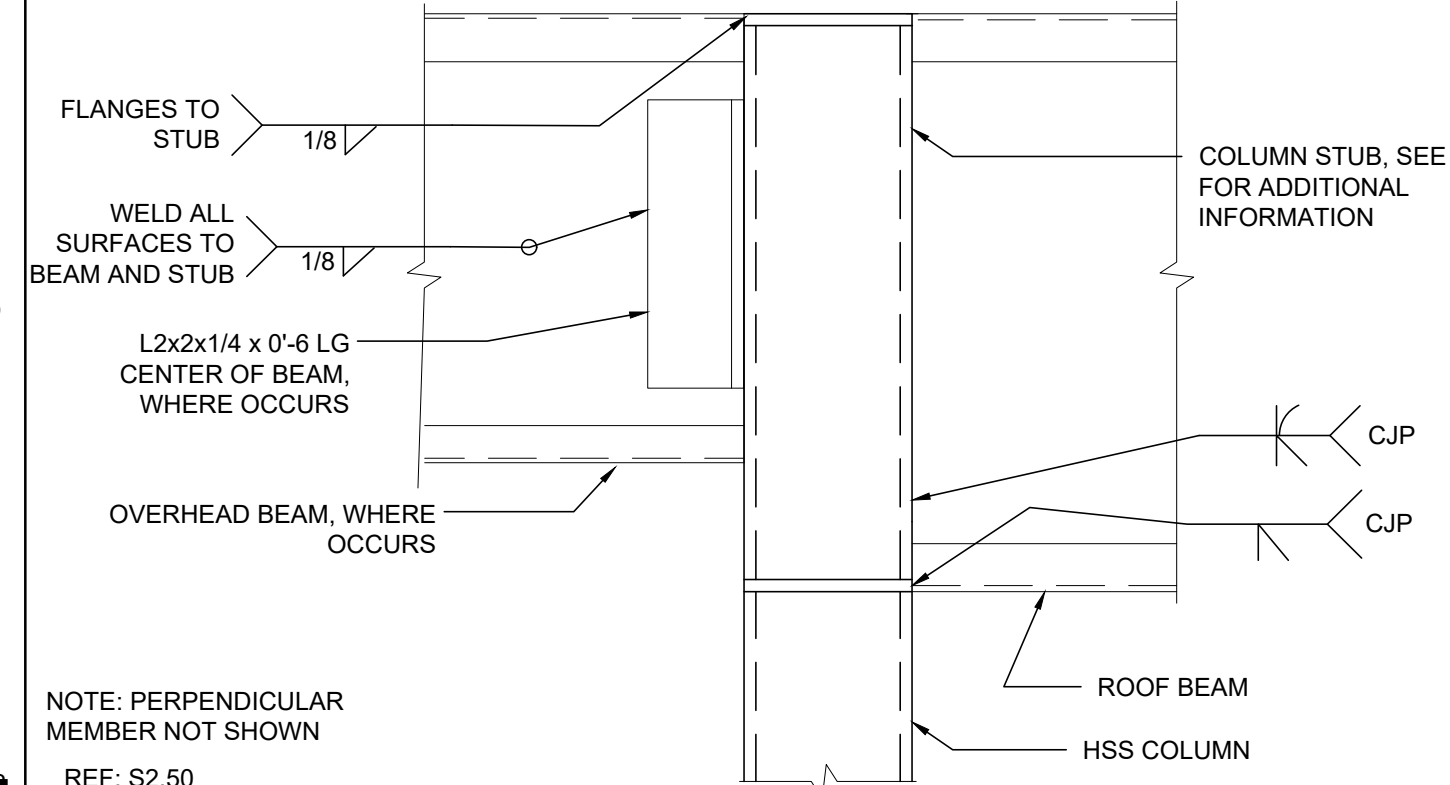
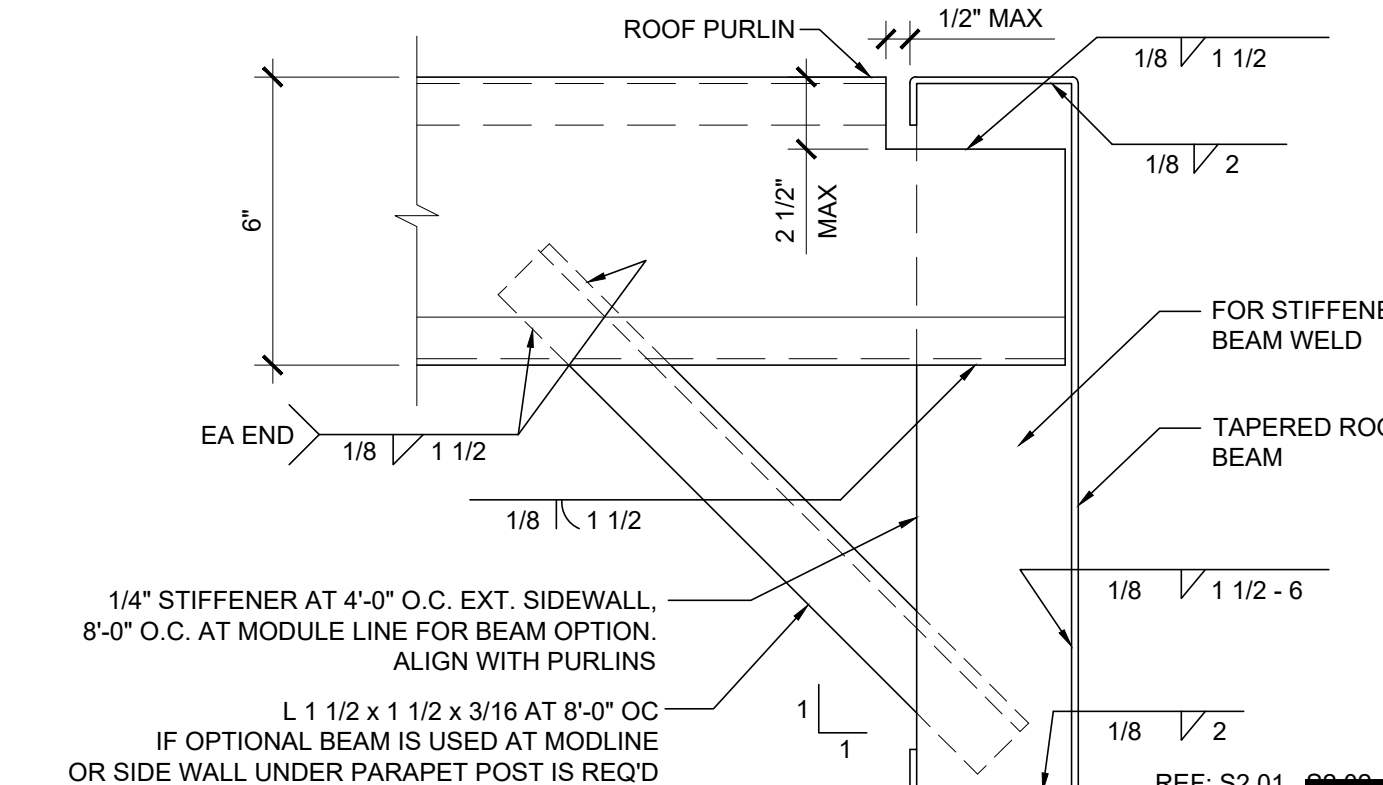
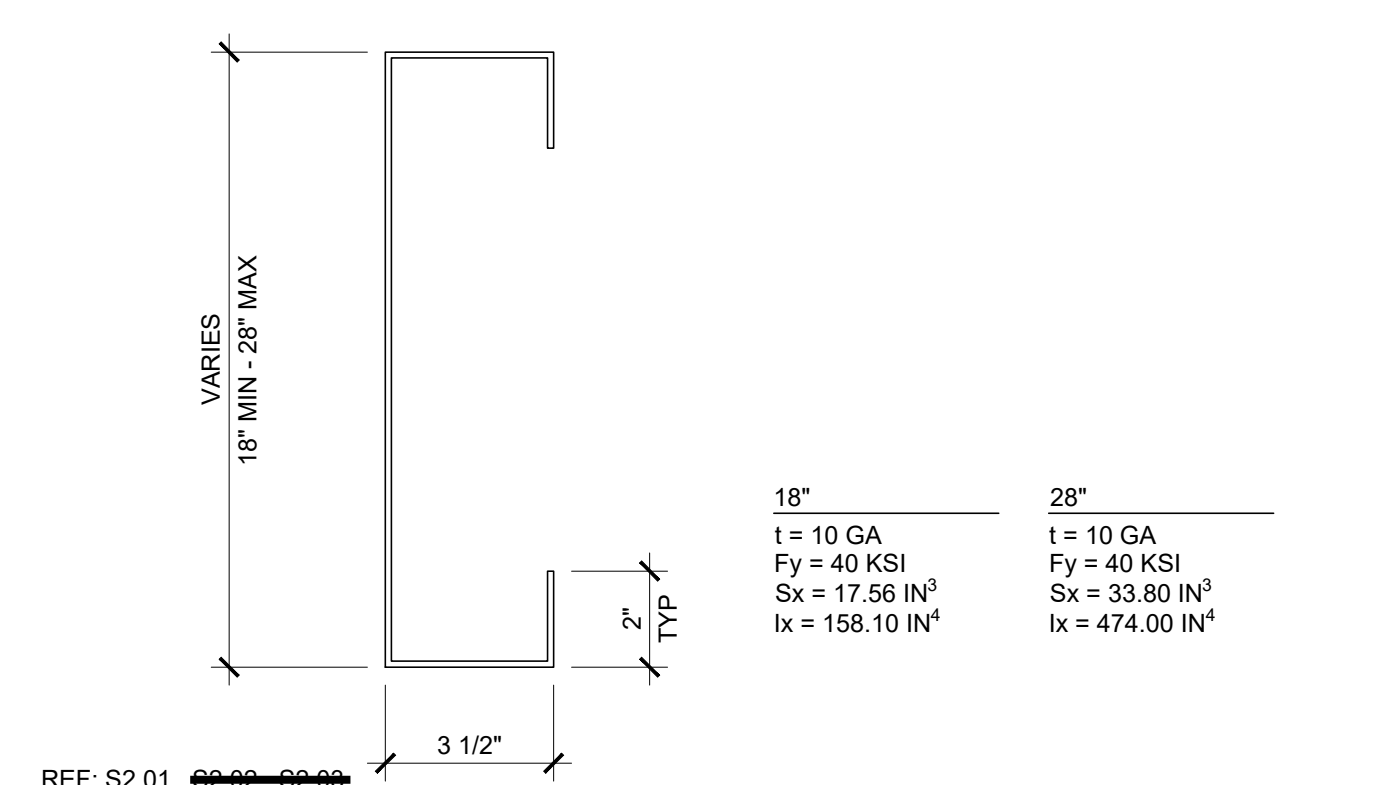
BEAM SPLICE SCALE: 3"=1'-0" 7

COLUMN AT ROOF - SECTION SCALE: 3"=1'-0" 2

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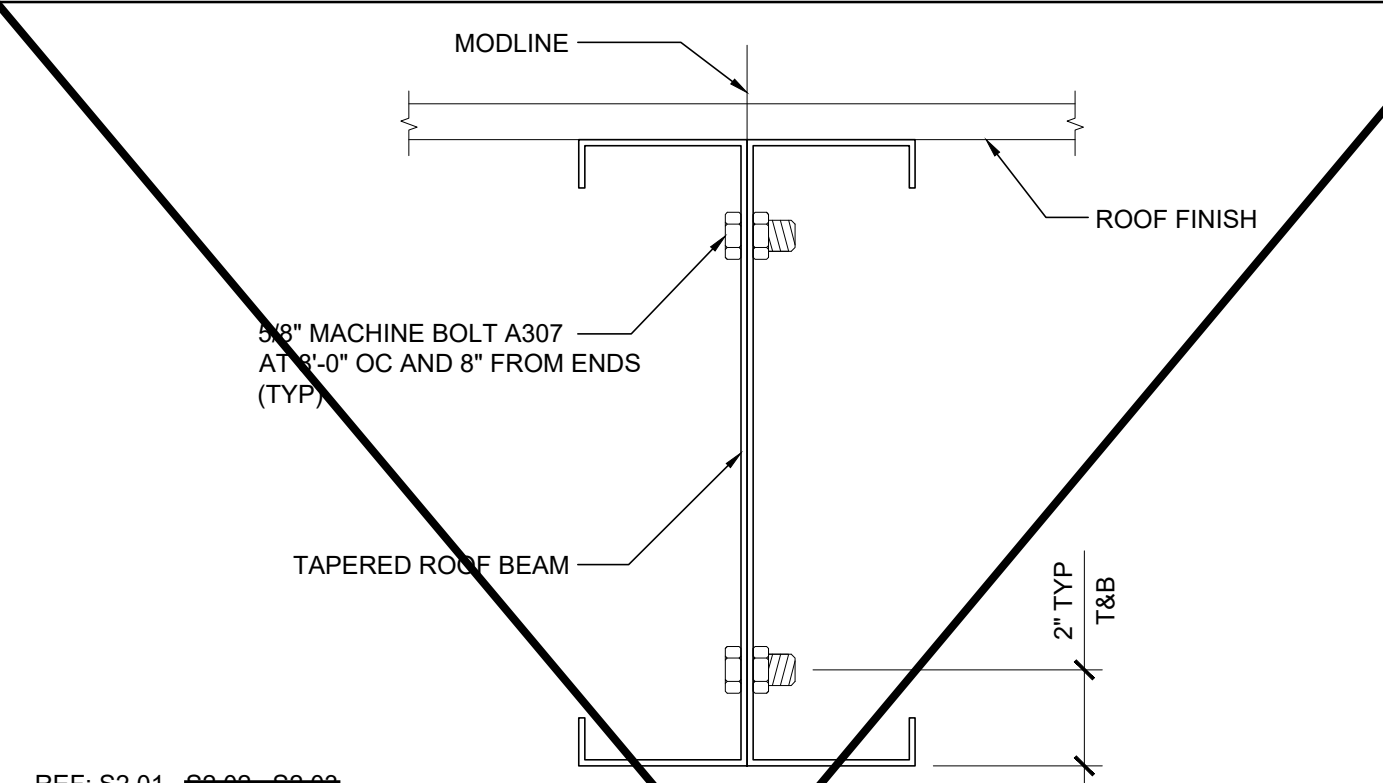
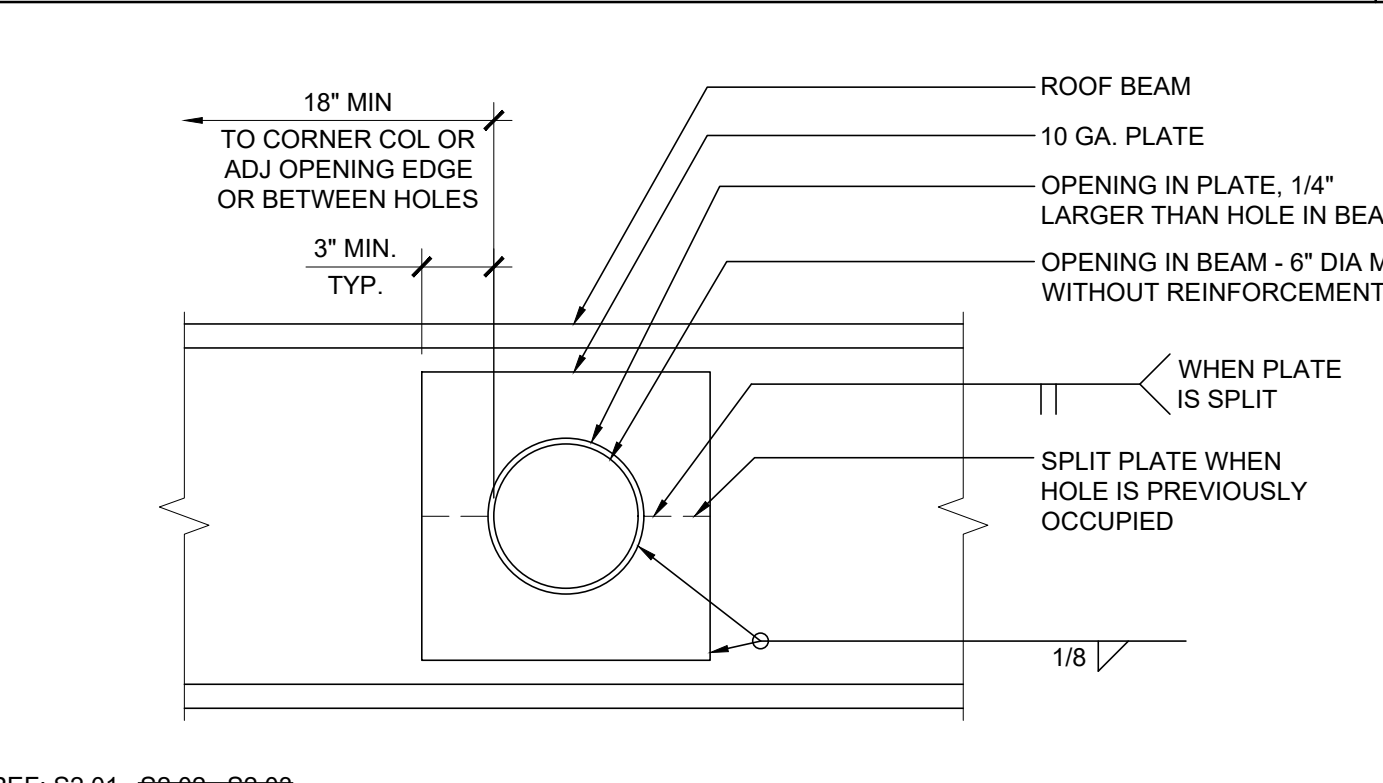
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18 SIDE BEAM SCALE: NTS 13

PURLIN TO ROOF BEAM @ STIFFENER SCALE: 3"=1'-0" 8

COLUMN AT ROOF OVERHANG SCALE: 3"=1'-0" 3

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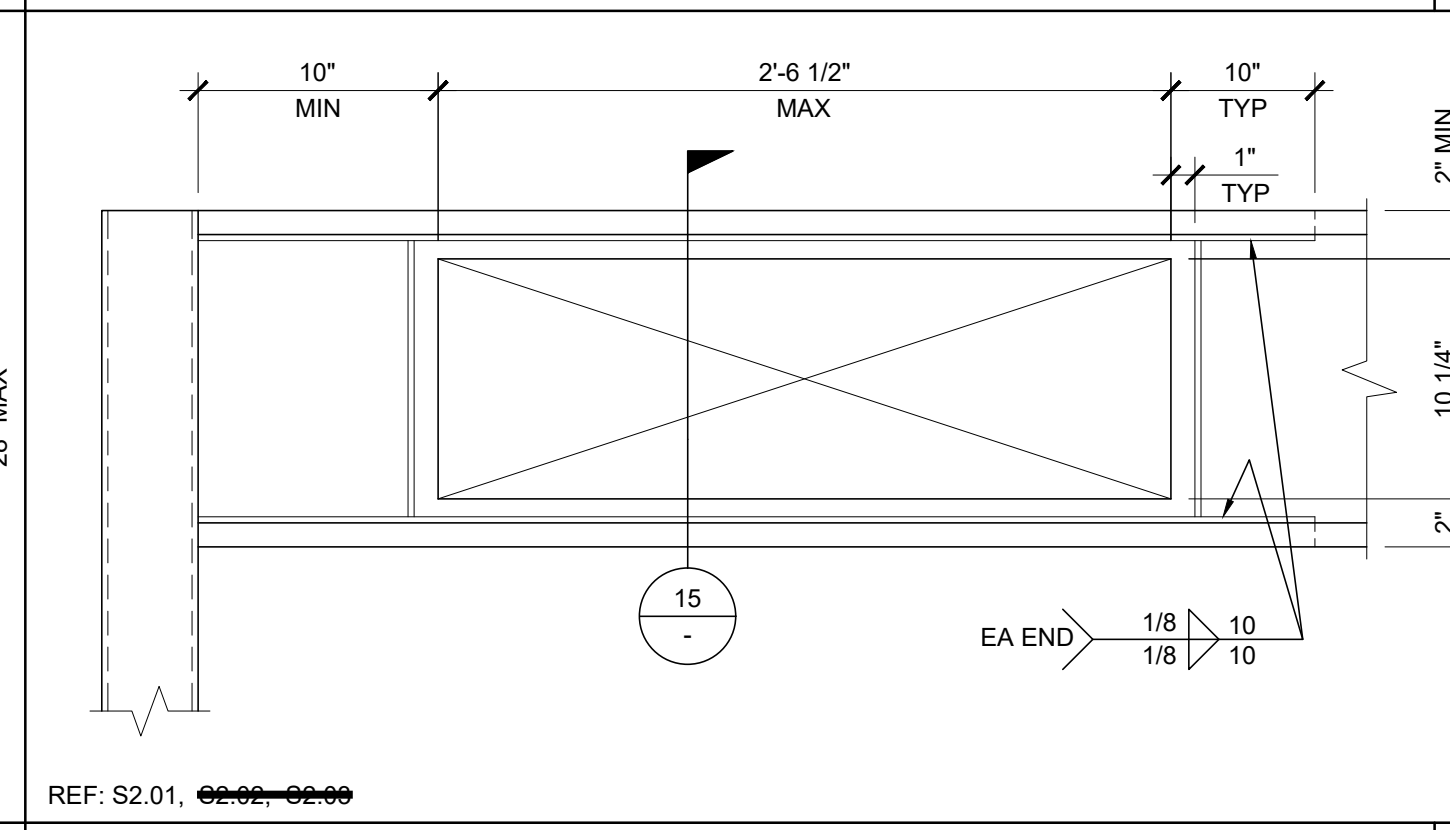
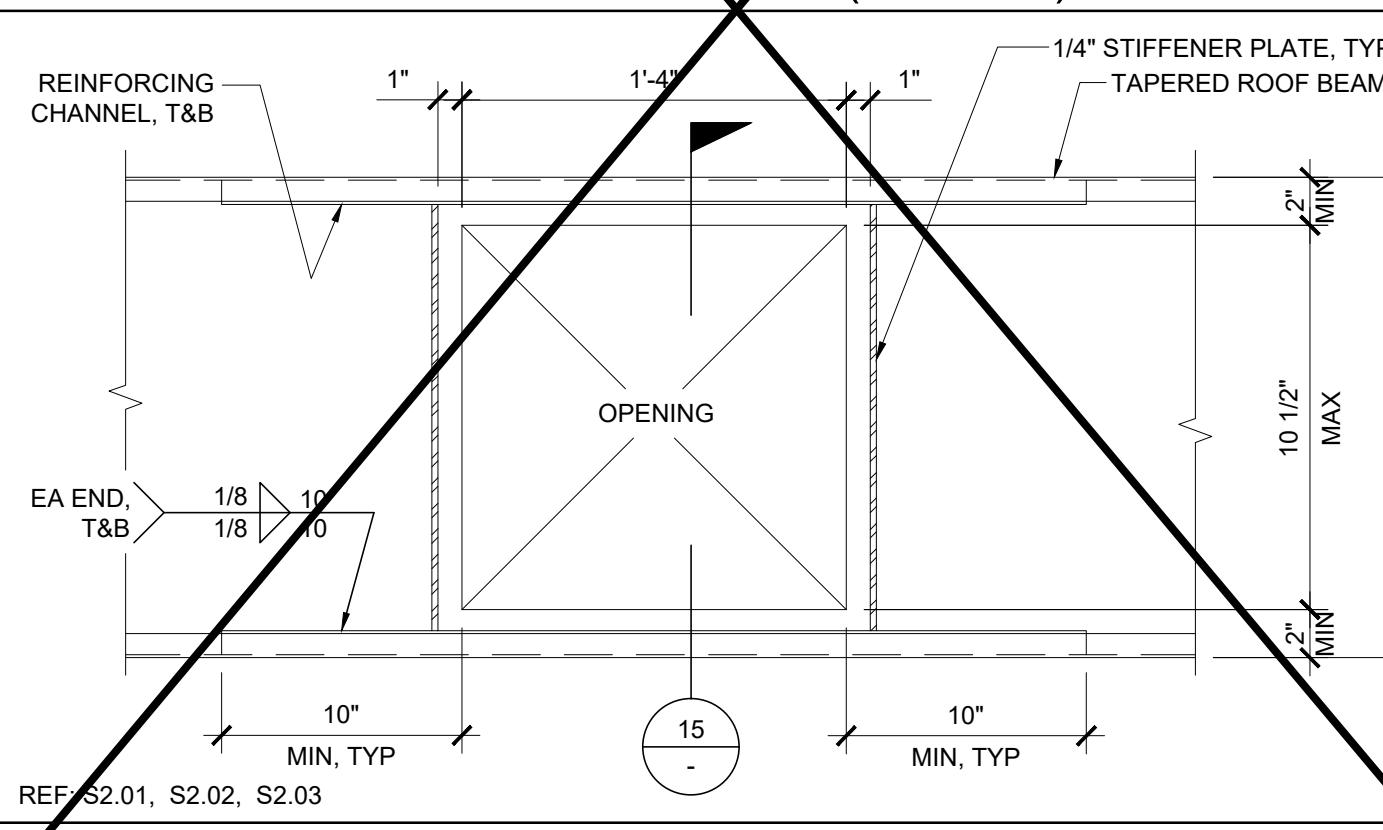
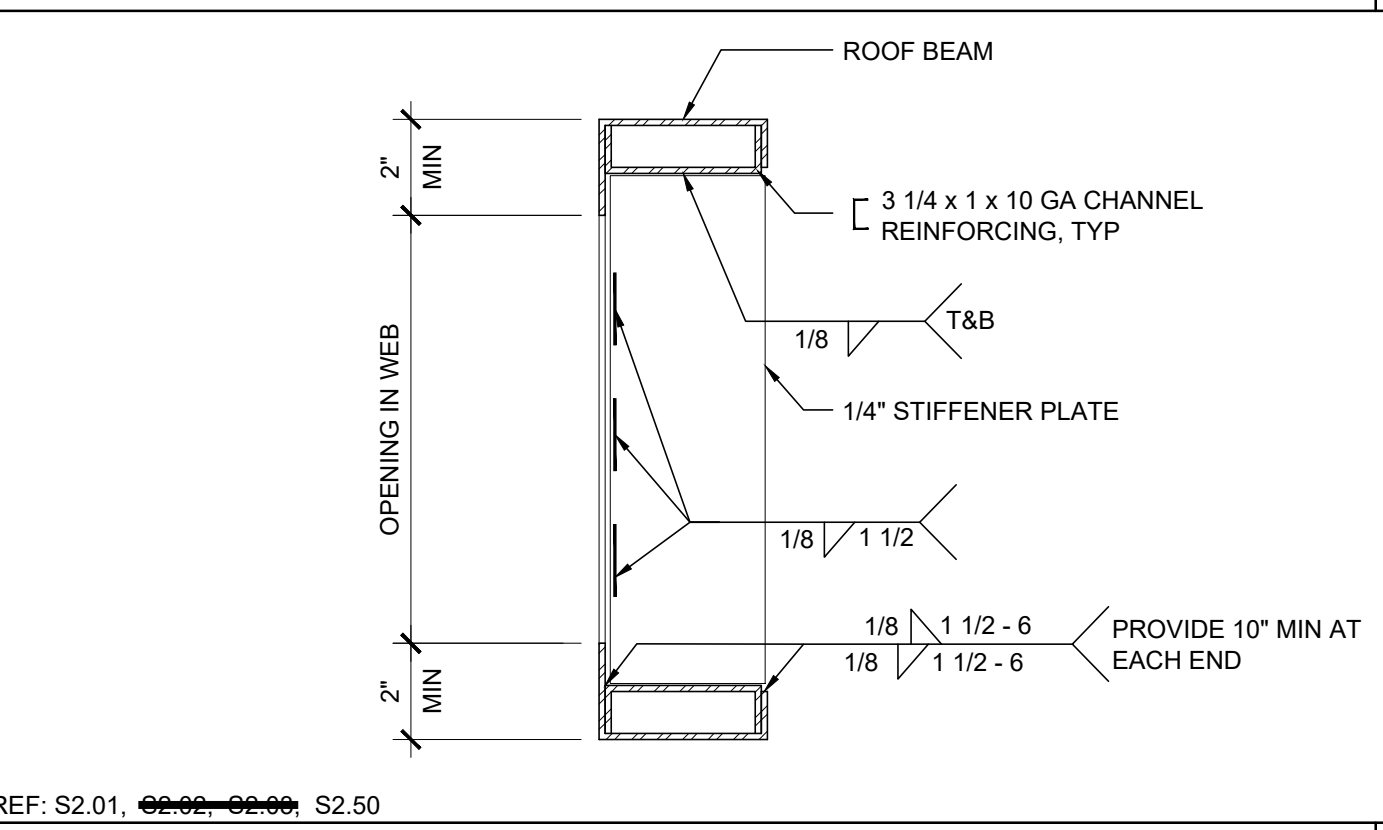
NOT USED

19 SIDEWALL BEAM PENETRATION SCALE: 1 1/2"=1'-0" 14

MODULE CONNECTION AT ROOF (OPTION) SCALE: 3"=1'-0" 9

NOT USED 4

MODULAR BUILDING DESIGN PROFESSIONAL



NOT USED

20 WEB OPENING AT ROOF BEAM (OPTION) SCALE: 3"=1'-0" 15

OPENING AT ROOF BEAM (OPTION) SCALE: 1 1/2"=1'-0" 10

OPENING AT HEADER SCALE: 1 1/2"=1'-0" 5

SILVER CREEK INDUSTRIES
 24' x 40' PC

PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 02-27-2023
 P.C. SHEET NUMBER
S-2.50

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PROJECT NAME:
**SYLVAN USD
 CROSSROADS E.S.
 (2) 24' x 40'
 CLASSROOM BUILDINGS**

SHEET TITLE:
**ROOF FRAMING
 DETAILS**

REVISIONS

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MODULAR BUILDING DESIGN PROFESSIONAL

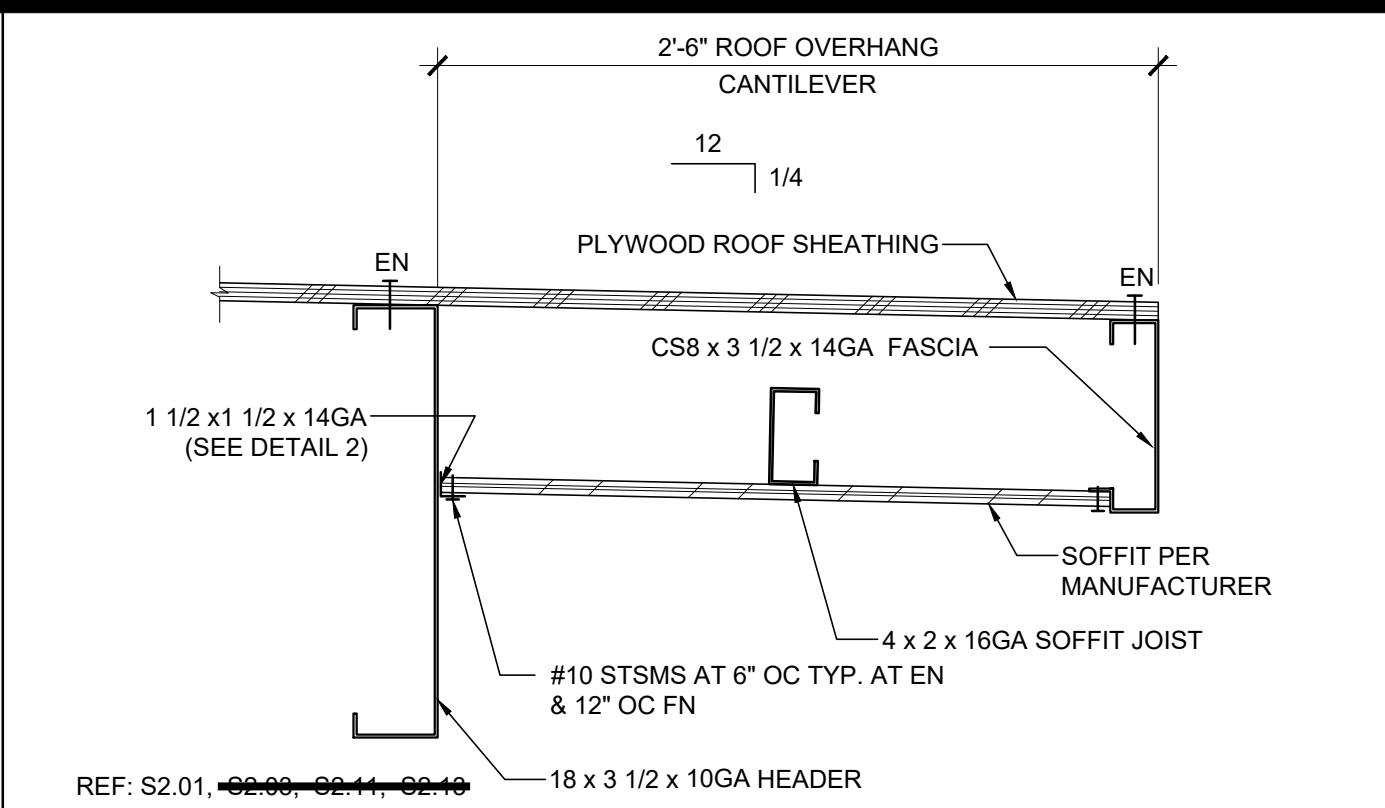


SILVER CREEK INDUSTRIES
 24' x 40' PC

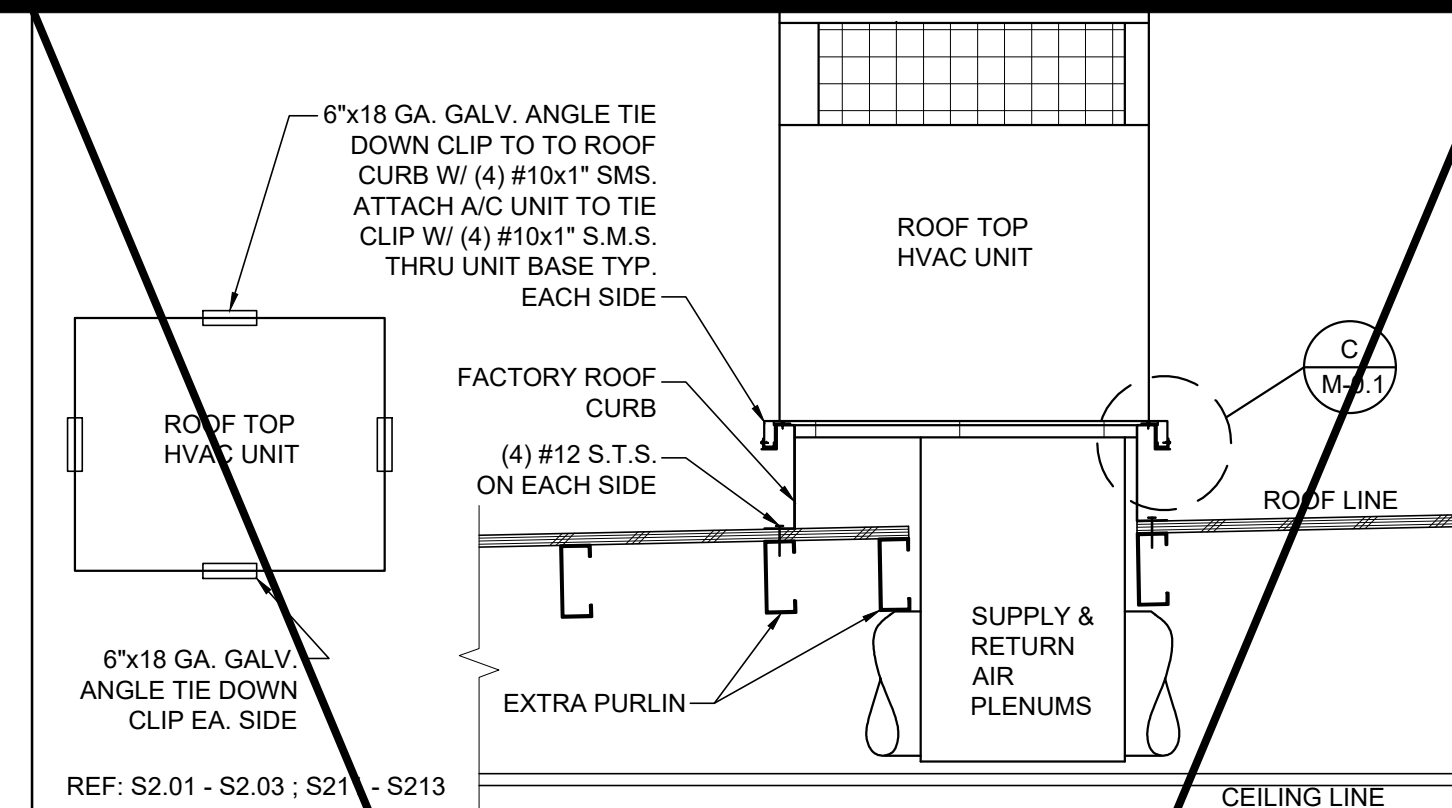
PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
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P.C. SHEET NUMBER

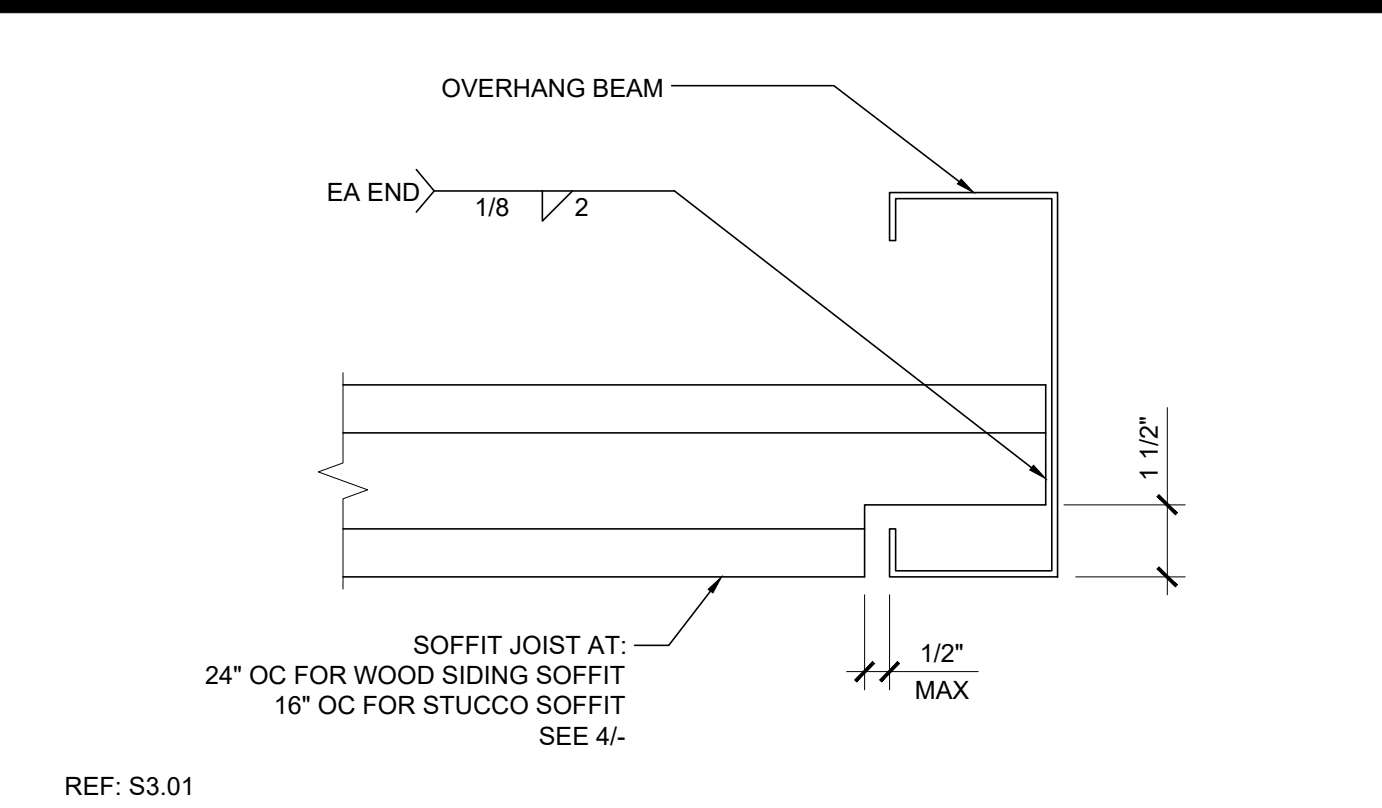
S-2.60



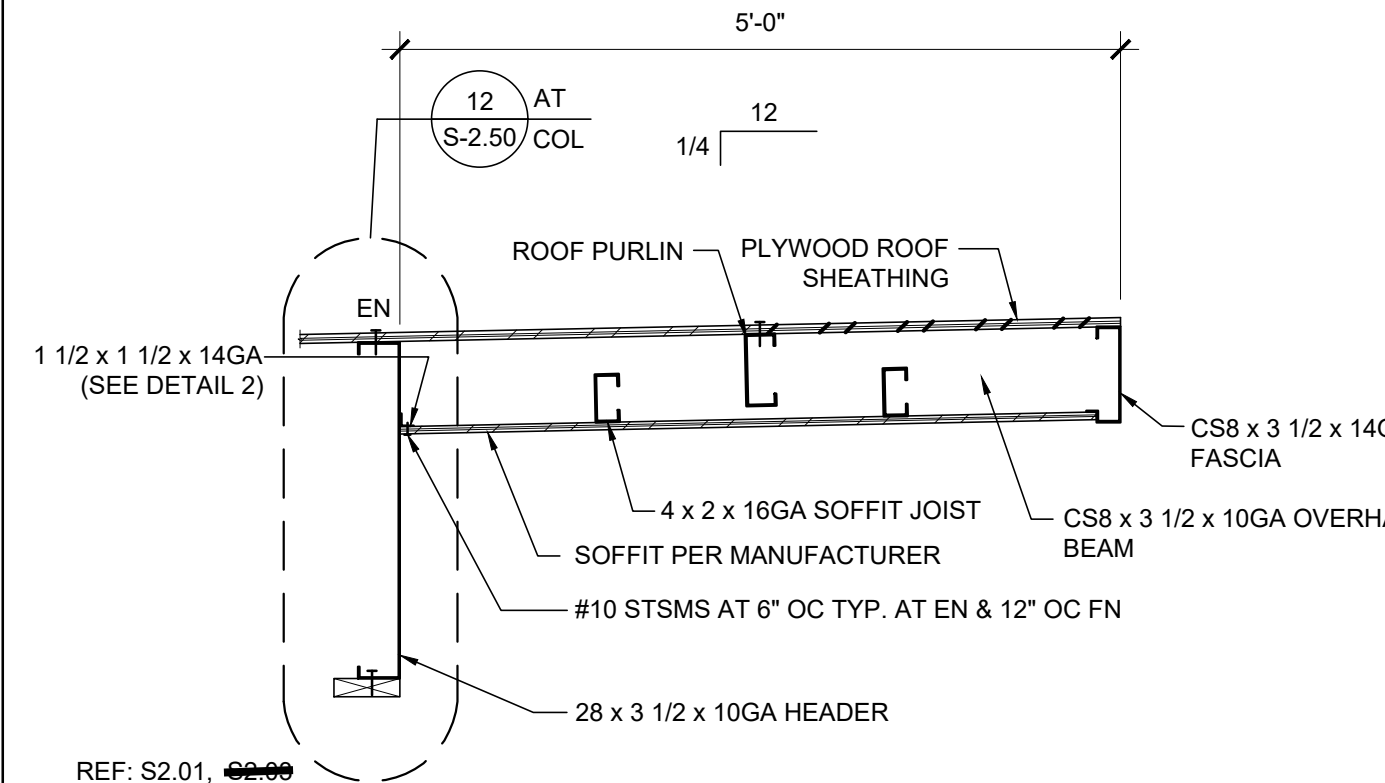
REF: S2.01, ~~S2.02, S2.11, S2.12~~
REAR OVERHANG SECTION SCALE: 1/2" = 1'-0" **11**



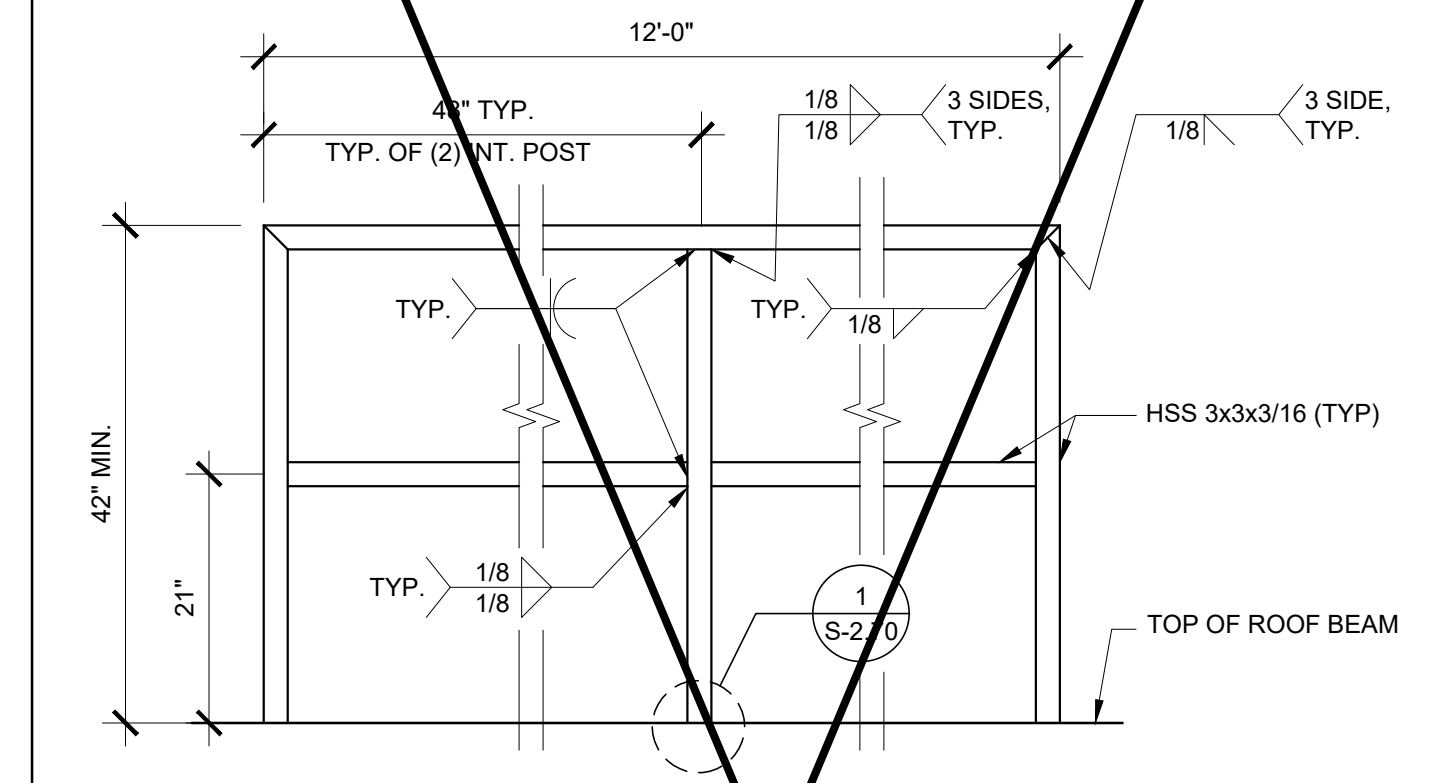
REF: S2.01 - S2.03; S211 - S213
HVAC CURB ATTACHMENT SCALE: 3/4" = 1'-0" **6**



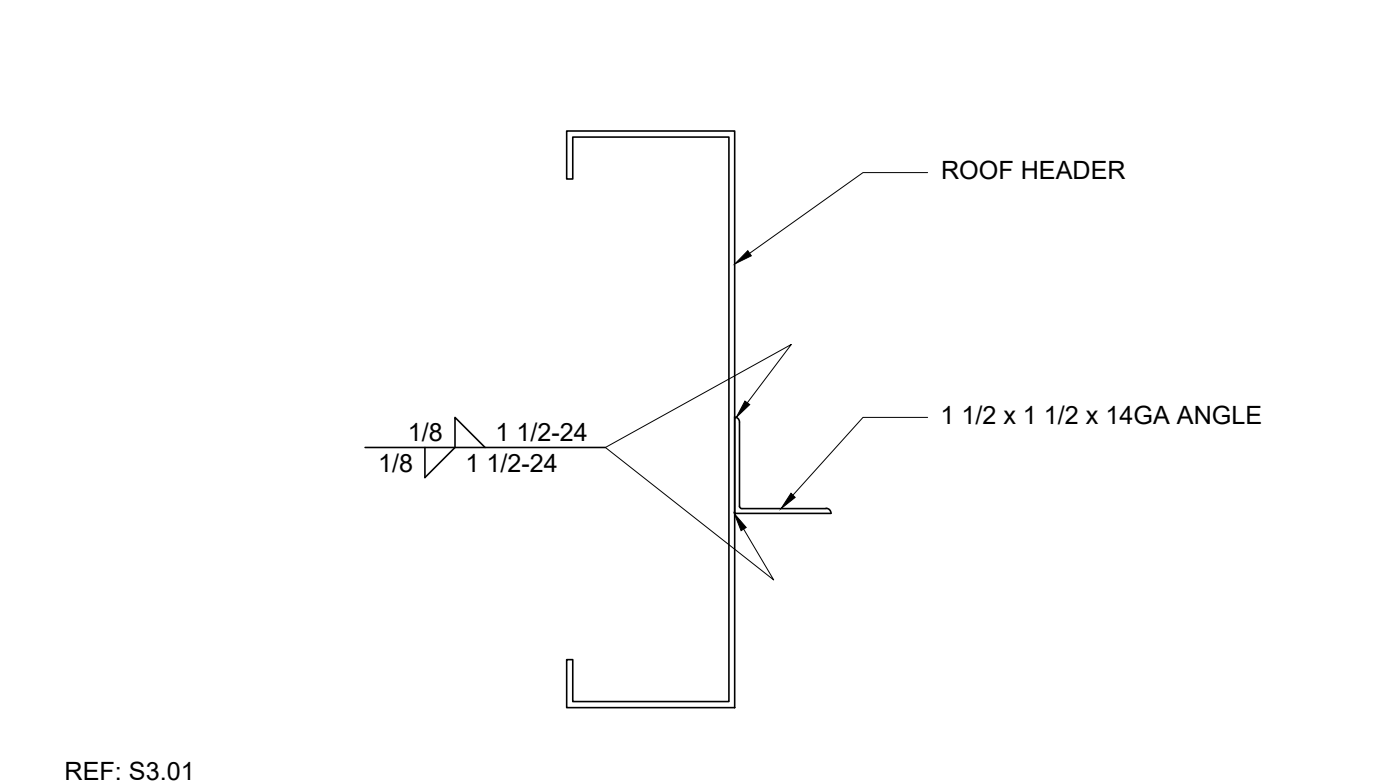
REF: S3.01
SOFFIT JOIST TO OVERHANG BEAM SCALE: 3" = 1'-0" **1**



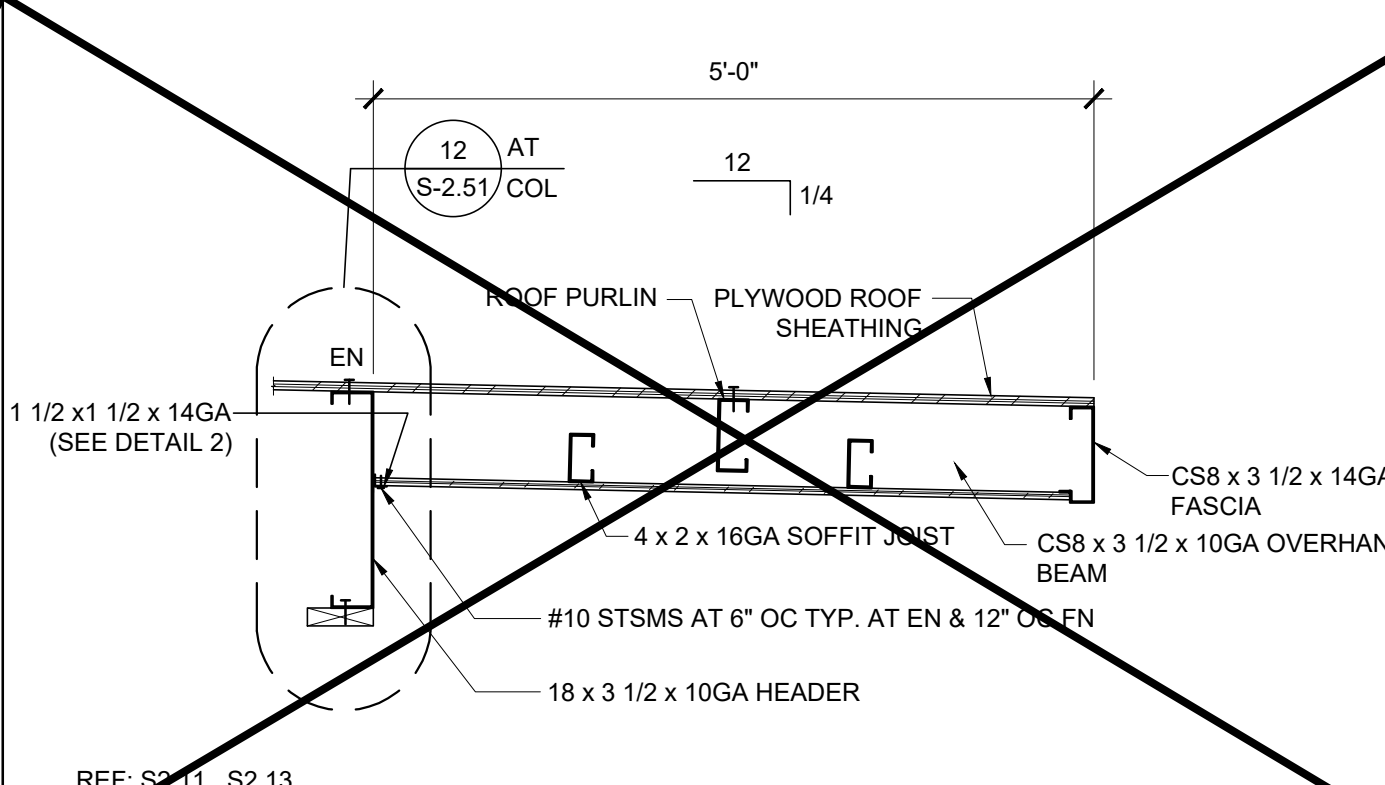
REF: S2.01, ~~S2.02~~
FRONT OVERHANG SECTION - MONO SLOPE SCALE: 3/4" = 1'-0" **12**



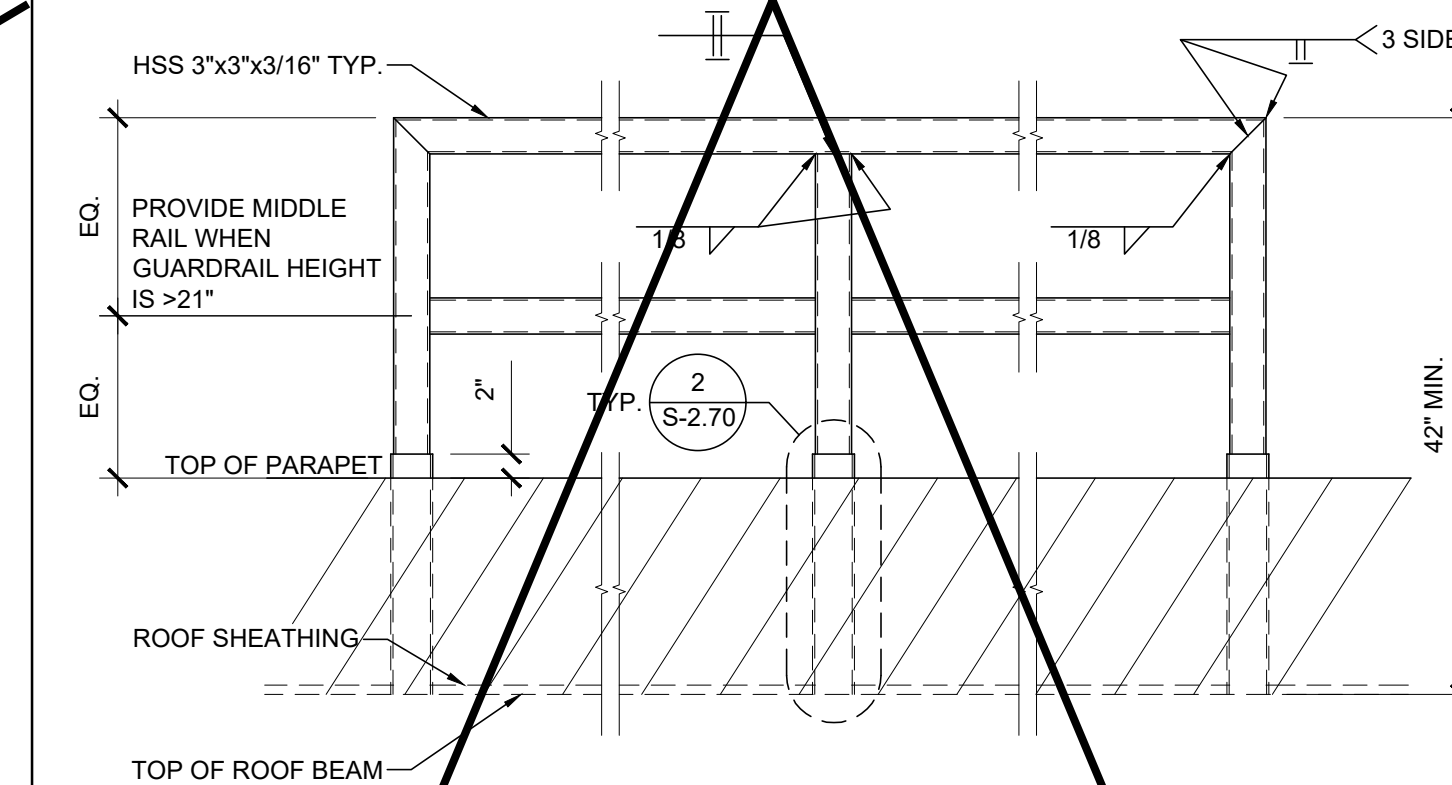
SCALE: 3/4" = 1'-0" **7**



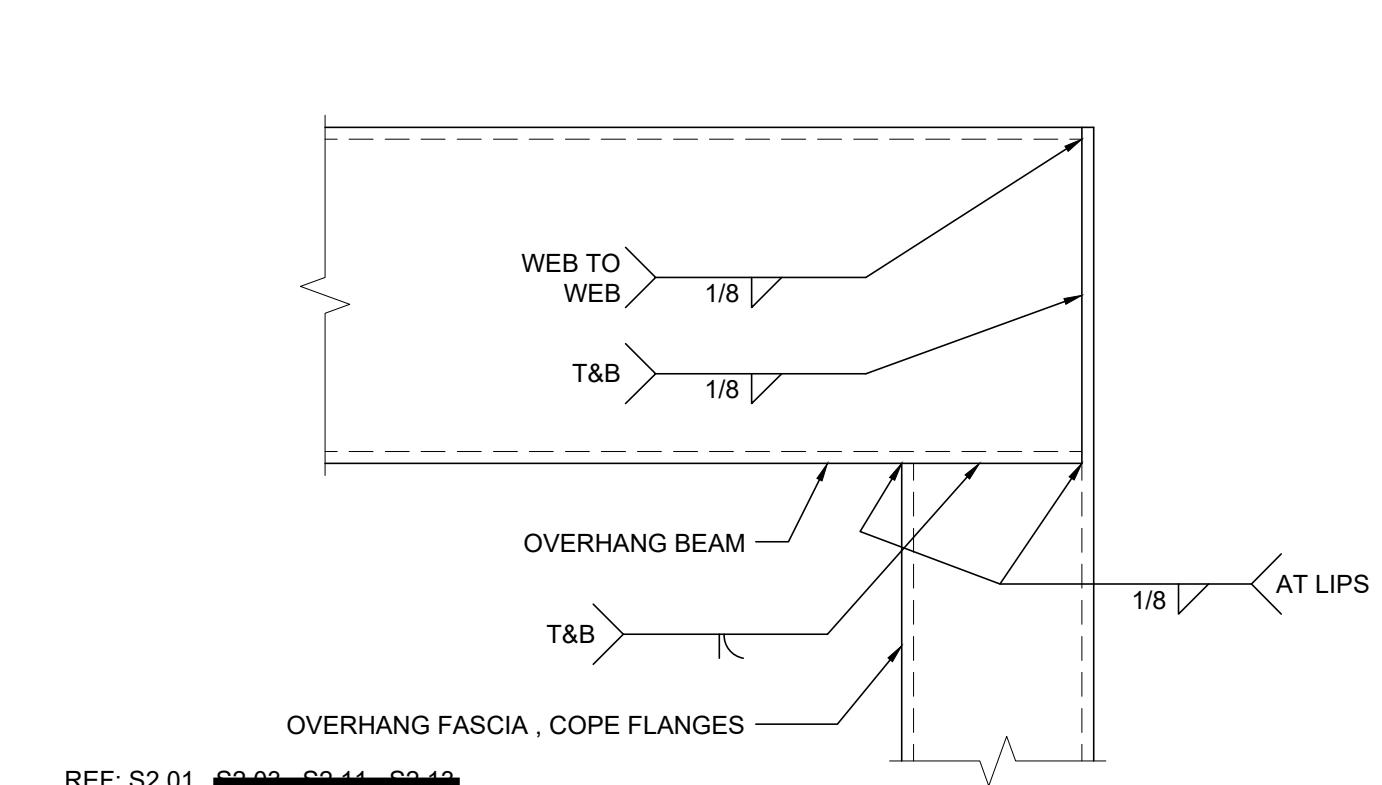
REF: S3.01
SOFFIT ANGLE TO HEADER CONNECTION SCALE: 3" = 1'-0" **2**



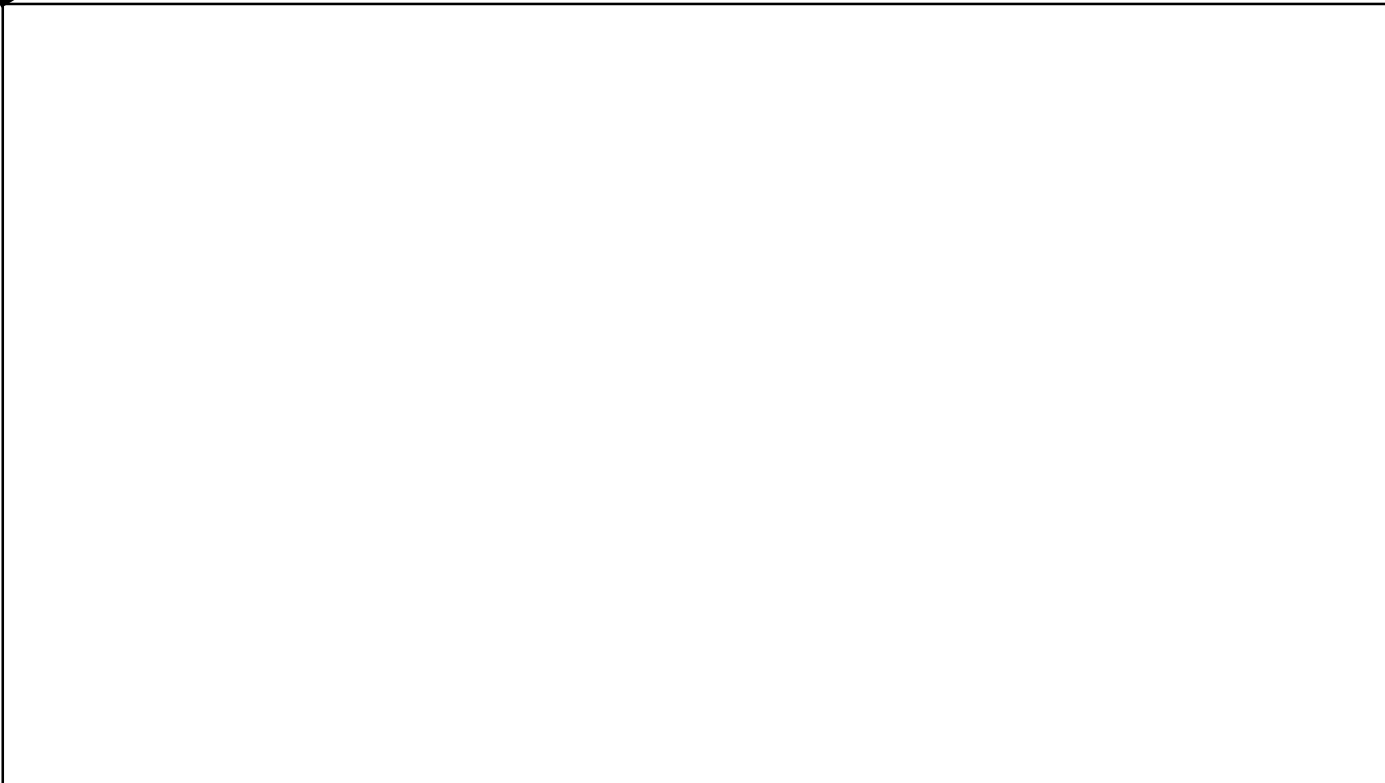
REF: S2.11, S2.13
FRONT OVERHANG SECTION - DUAL SLOPE SCALE: 3/4" = 1'-0" **13**



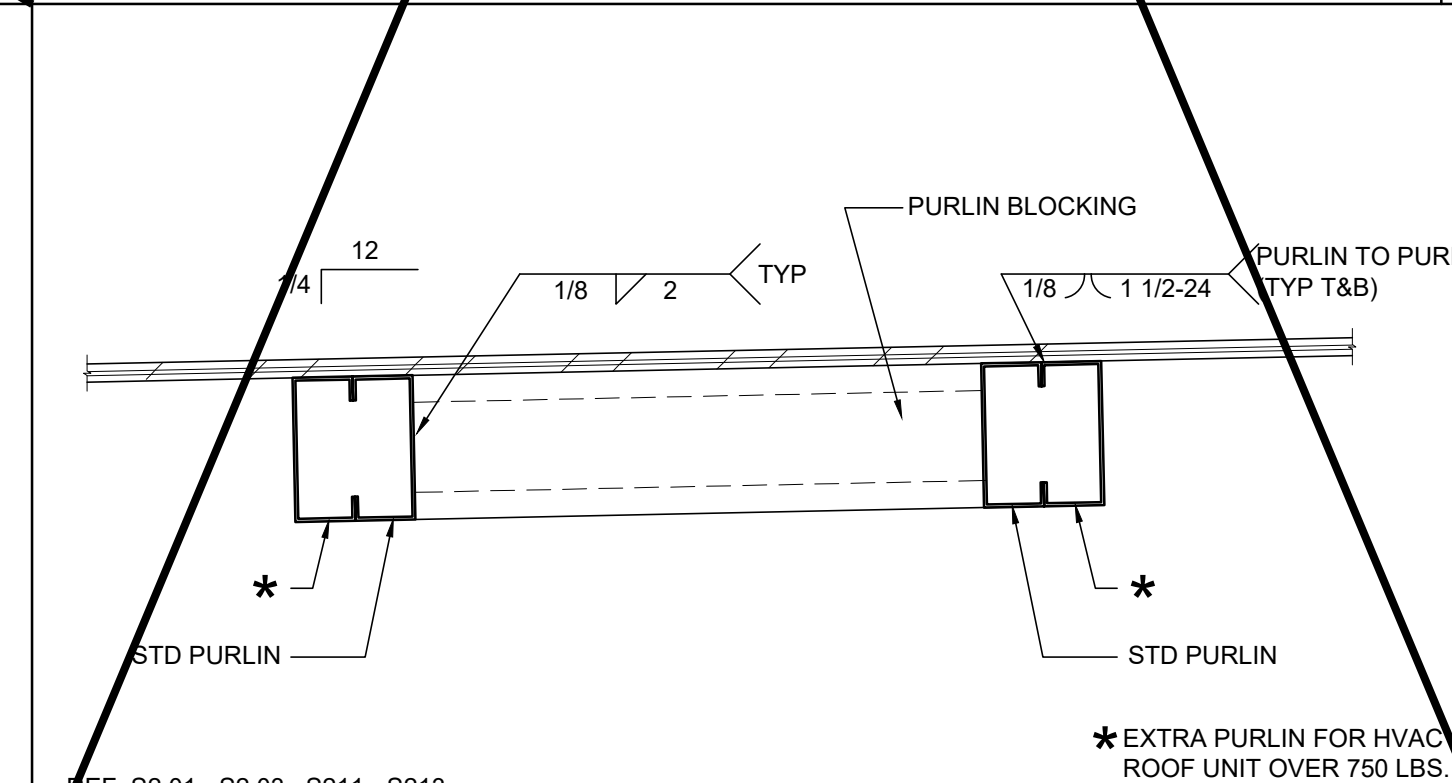
SCALE: 3/4" = 1'-0" **8**



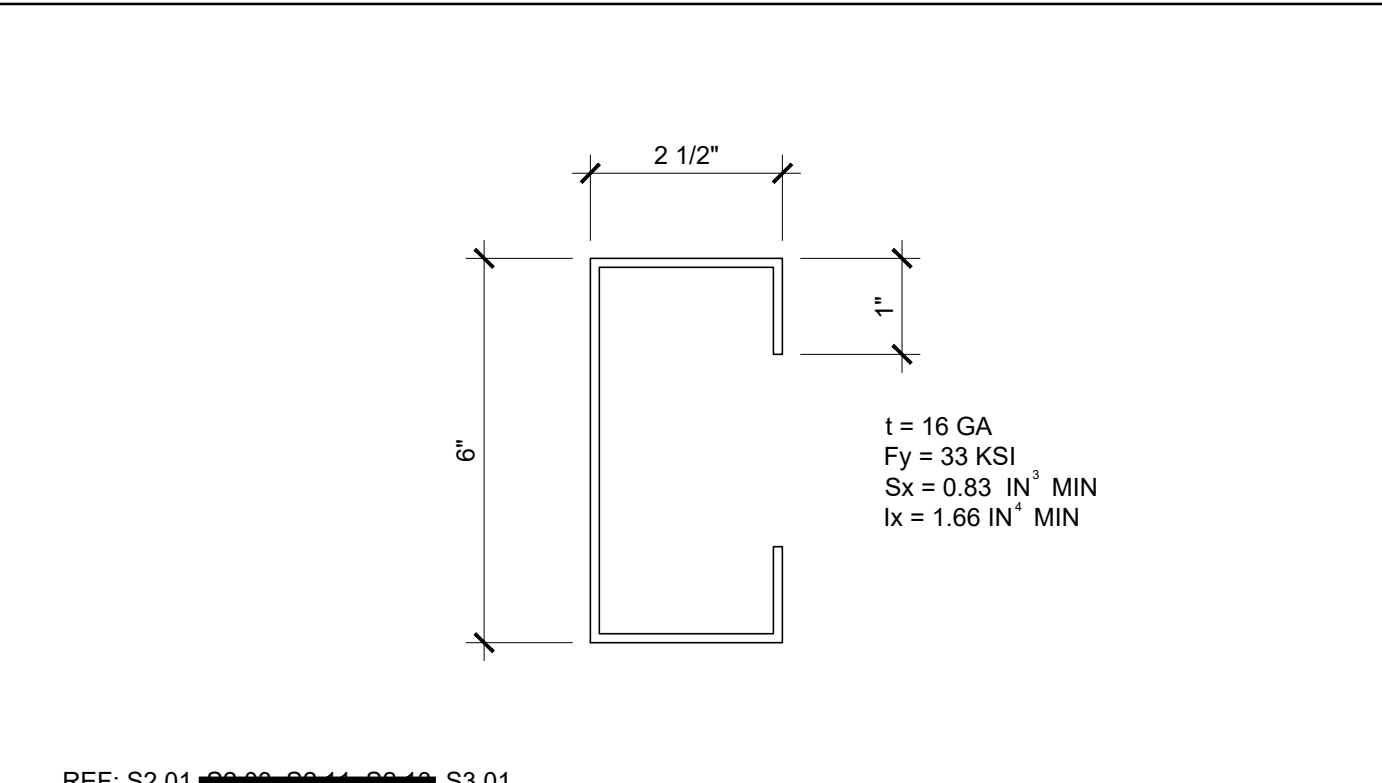
REF: S2.01, ~~S2.02, S2.11, S2.12~~
OVERHANG FASCIA TO BEAM CONNECTION SCALE: 6" = 1'-0" **3**



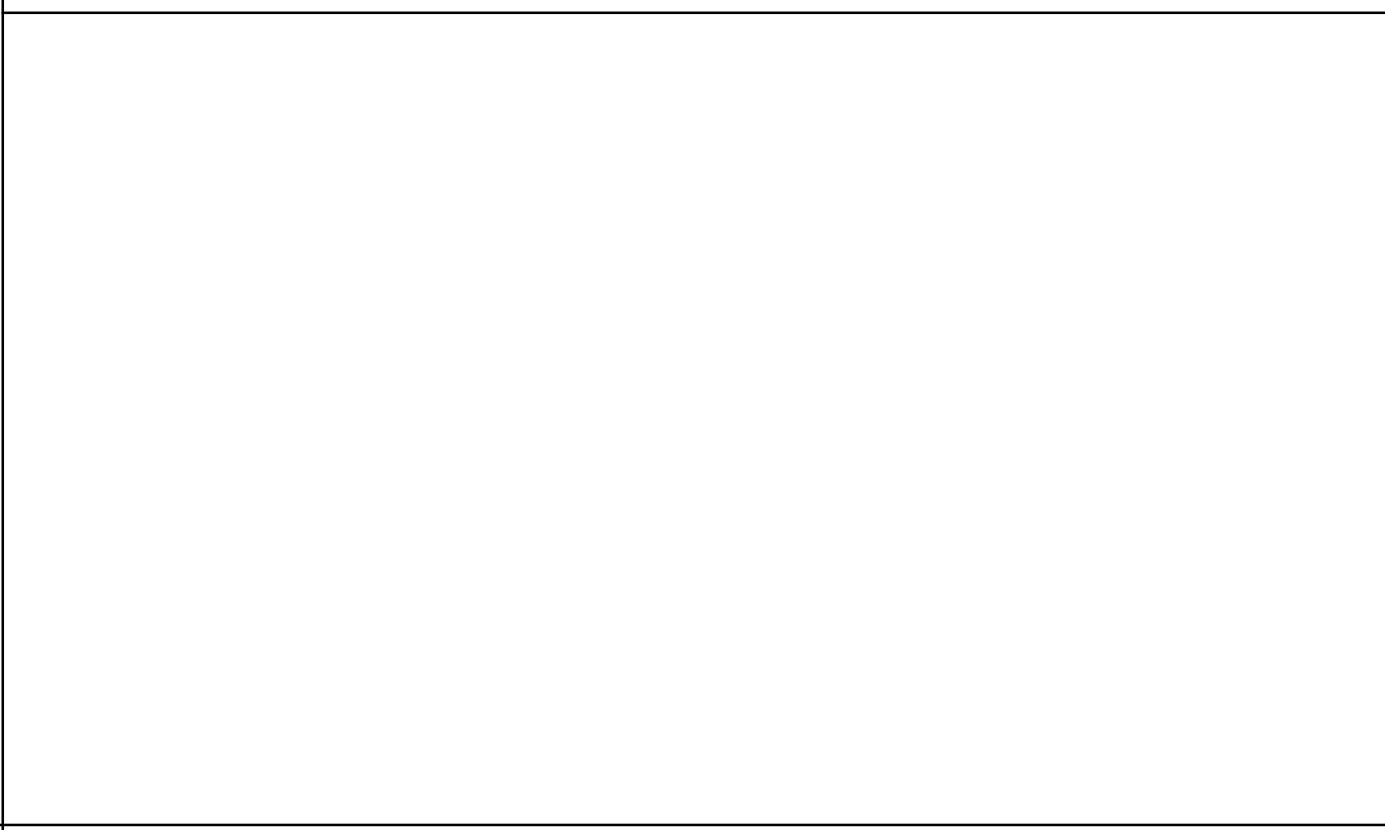
CANOPY SECTION



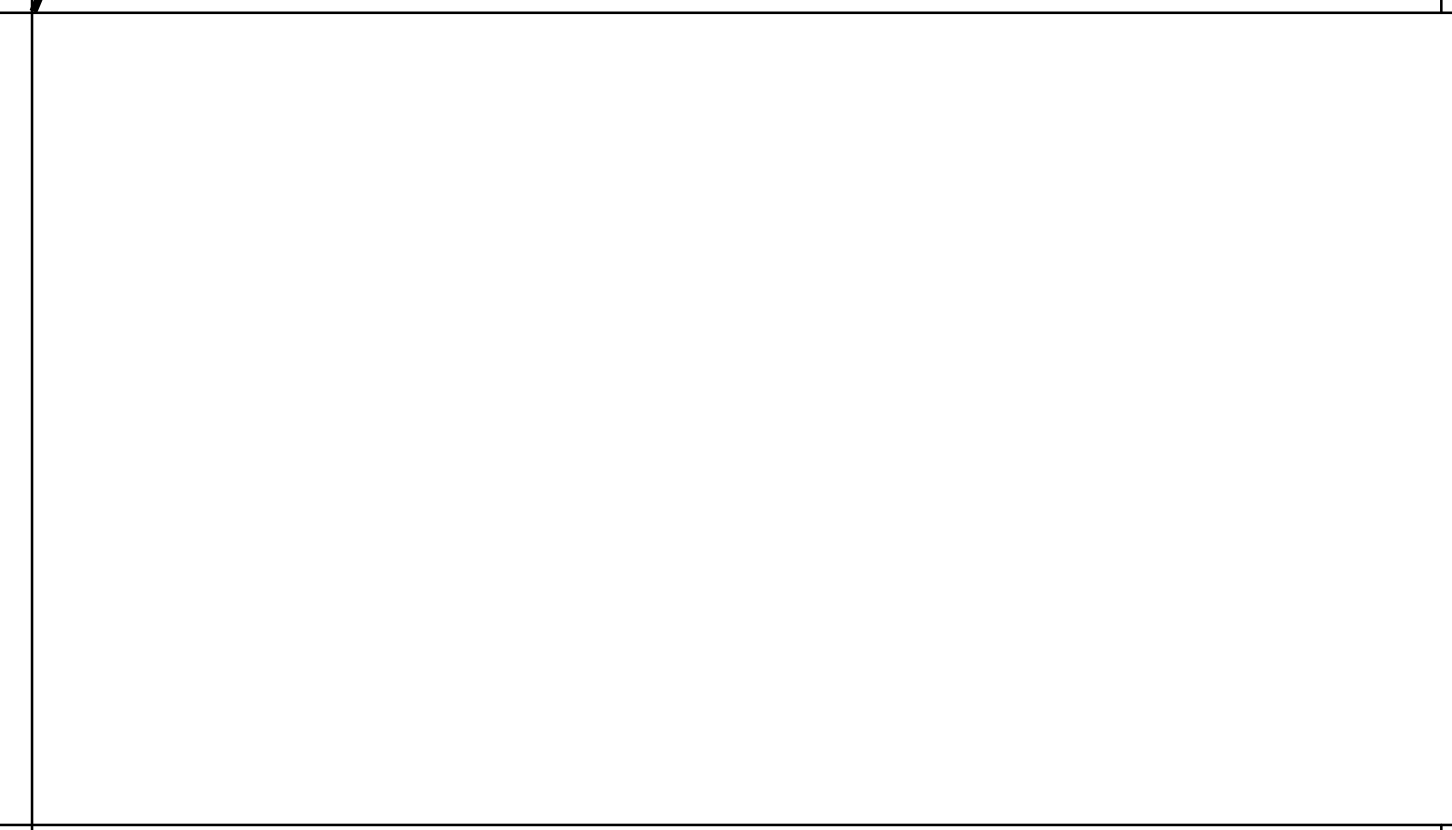
REF: S2.01 - S2.03; S211 - S213
DOUBLE PURLINS AT HVAC SCALE: 1 1/2" = 1'-0" **9**



REF: S2.01, ~~S2.02, S2.11, S2.12~~, S3.01
SOFFIT JOIST SCALE: 6" = 1'-0" **4**



OPTIONAL CANOPY SCALE: 1 1/2" = 1'-0" **20**



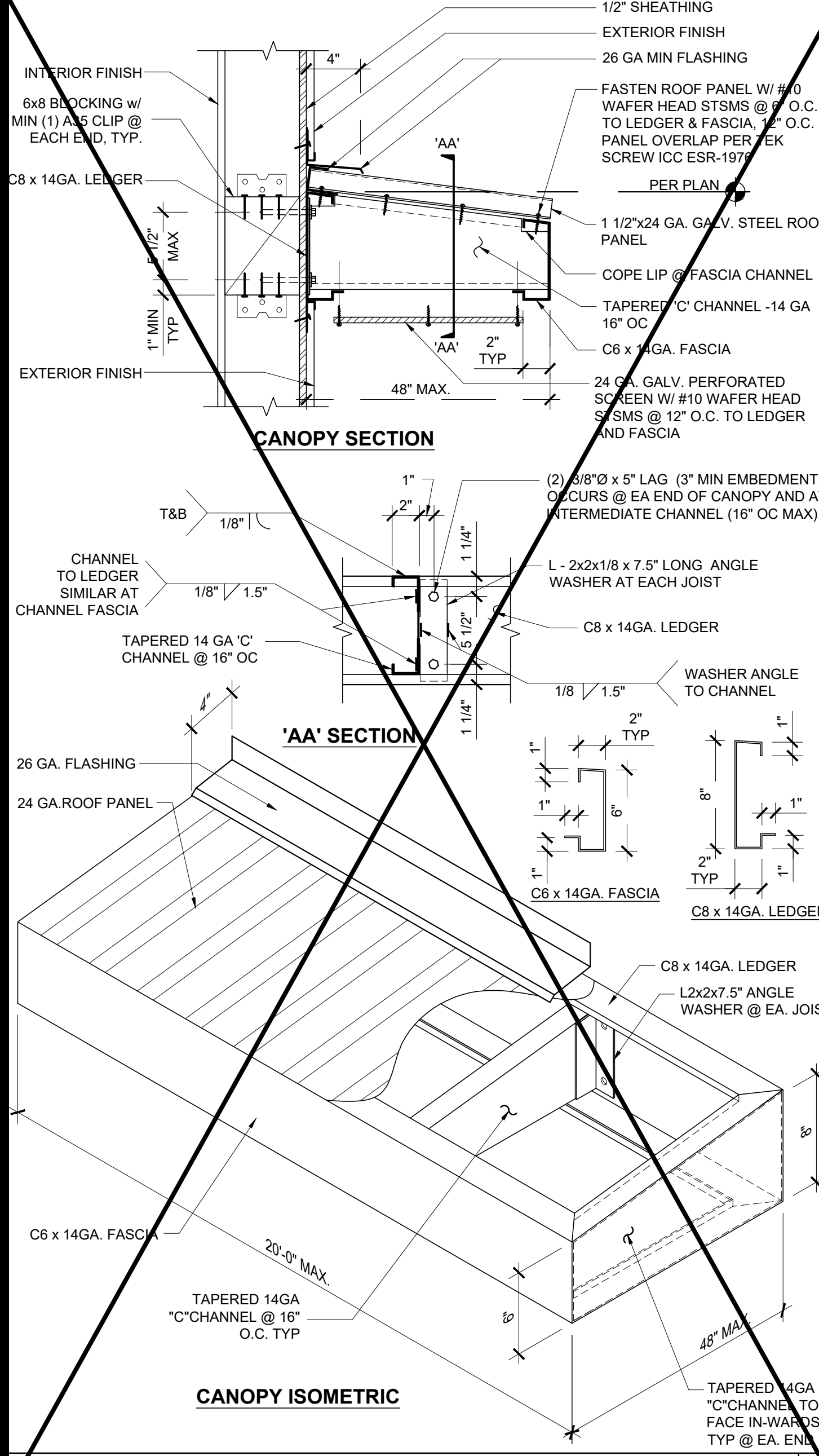
REF: S2.01, ~~S2.02, S2.11, S2.12~~
OVERHANG FASCIA & BEAM SCALE: 3" = 1'-0" **5**



NOT USED **16**



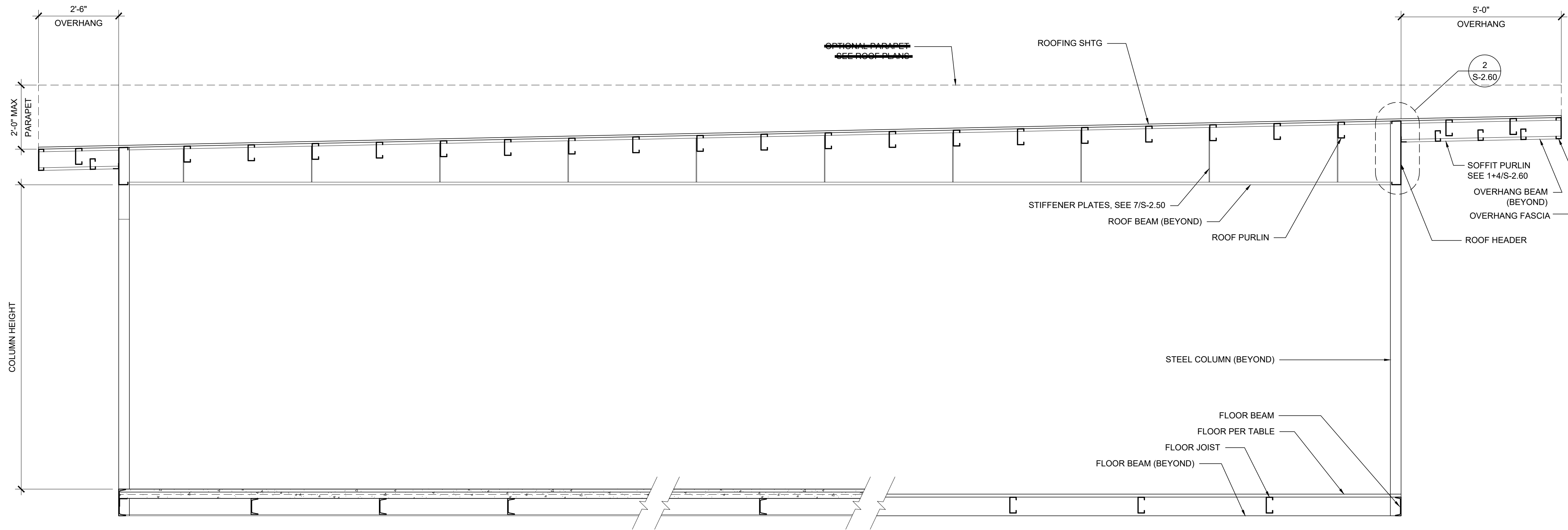
NOT USED **17**



CANOPY ISOMETRIC SCALE: 1 1/2" = 1'-0" **20**

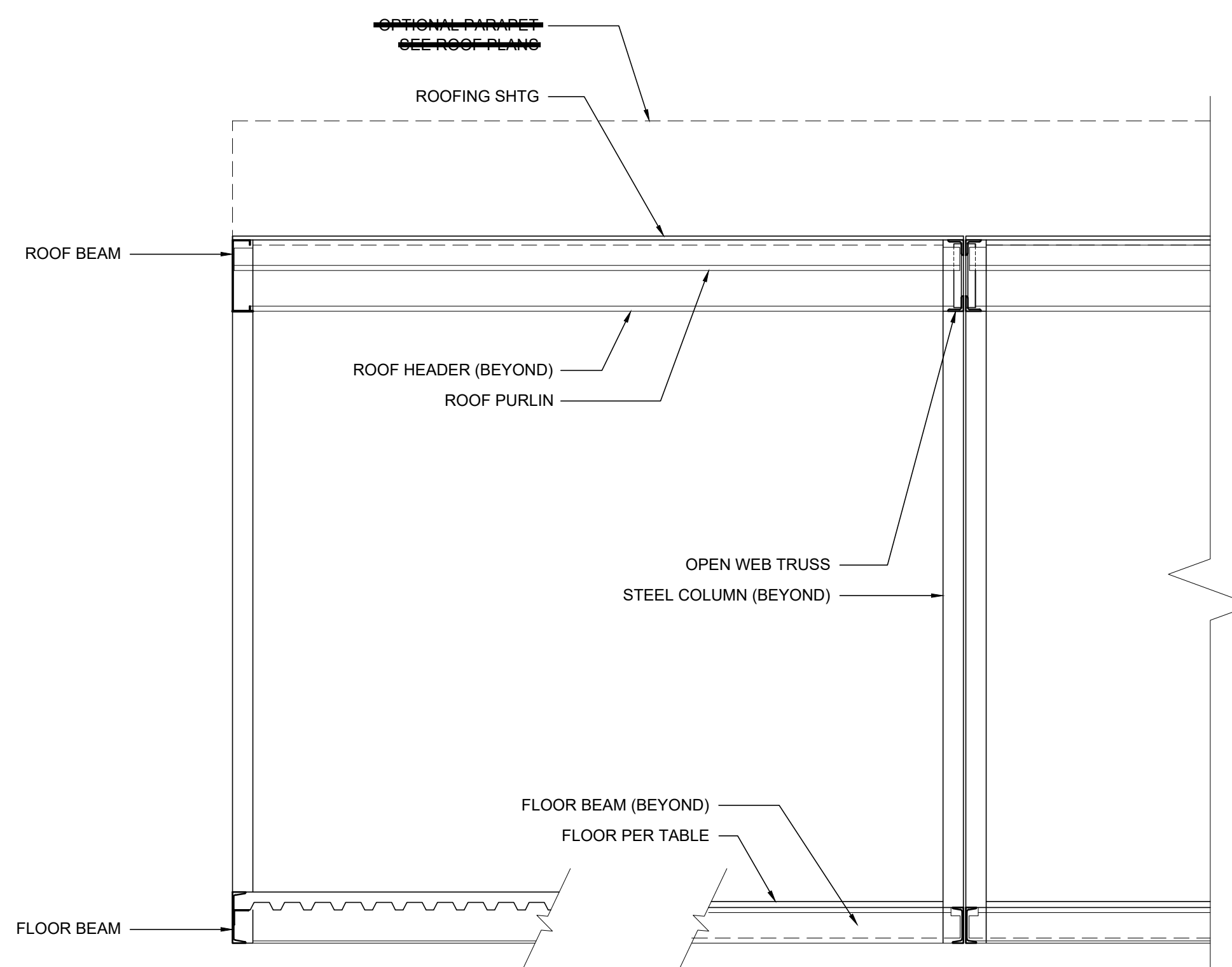


NOT USED **10**



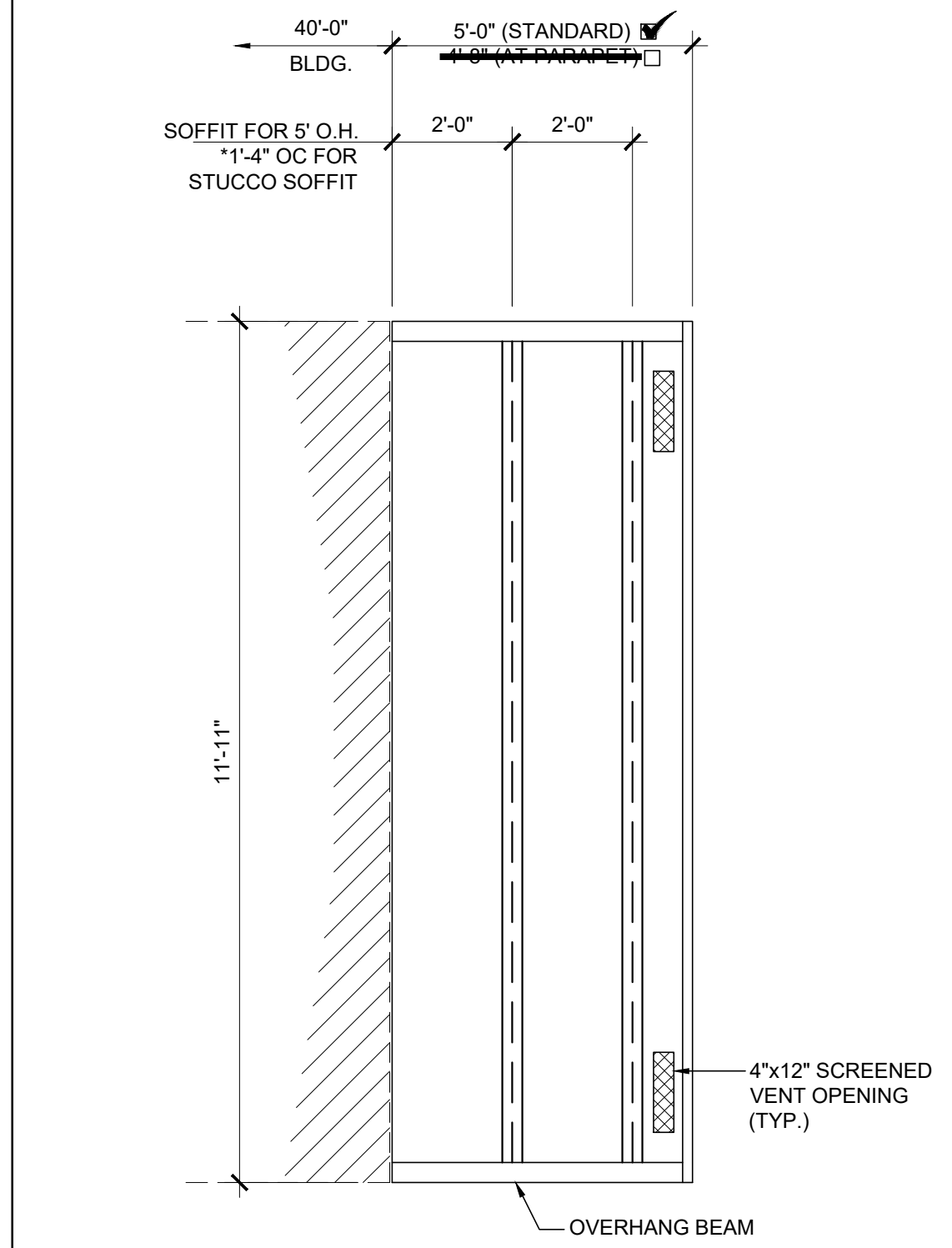
BUILDING SECTION

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



BUILDING SECTION

SCALE: 1/2" = 1'-0" 3



ENCL. SOFFIT PLAN-OPT.

SCALE: 3/8" = 1'-0" 2

NOTES

1. ALL INFORMATION SUCH AS DETAILS, SECTIONS, CONNECTIONS, AND MATERIAL ATTACHMENT SHALL BE REFERENCED FROM OTHER SHEETS WITHIN THIS SET WHERE IT APPLIES.

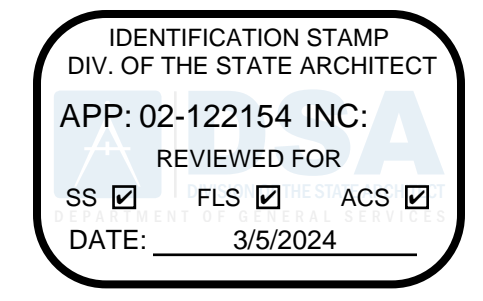
FLOOR CONSTRUCTION

- WOOD FLOOR
- CONCRETE FLOOR

HSS COLUMN SCHEDULE

COLUMN HEIGHT	NO PARAPET	ROOF W/ PARAPET
<input checked="" type="checkbox"/> 9'-0"	<input checked="" type="checkbox"/> 6 x 6 x 1/4	<input type="checkbox"/> 6 x 6 x 1/4 *
<input type="checkbox"/> 9'-6"	<input type="checkbox"/> 6 x 6 x 1/4	<input type="checkbox"/> 6 x 6 x 1/4 *
<input type="checkbox"/> 10'-0"	<input type="checkbox"/> 6 x 6 x 1/4	<input type="checkbox"/> 6 x 6 x 1/4 *
<input type="checkbox"/> 10'-6"	<input type="checkbox"/> 6 x 6 x 1/4	<input type="checkbox"/> 6 x 6 x 1/4 *

FLOOR BEAM
 C7x9.8 (TYP) PERIMETER BEAM FOR WOOD FLOOR
 * C9x13.4 PERIMETER BEAM FOR WOOD FLOOR
 C10x16.0 TYP PERIMETER BEAM FOR CONCRETE FLOOR



PROJECT SPECIFIC STATE AGENCY APPROVAL

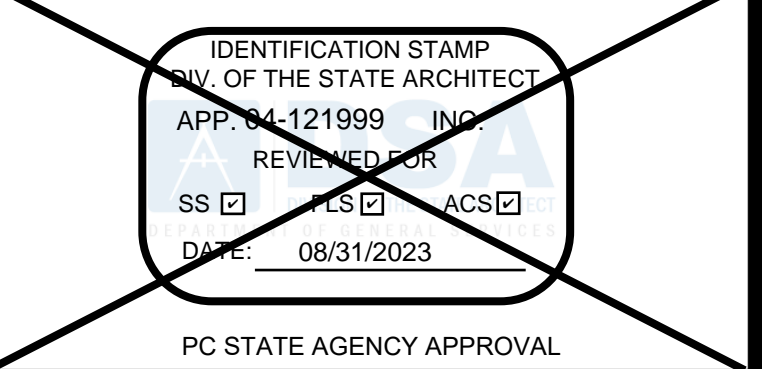
THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc. ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:
**SYLVAN USD
 CROSSROADS E.S.
 (2) 24' x 40'
 CLASSROOM BUILDINGS**

SHEET TITLE:
**BUILDING SECTIONS
 MONO SLOPE**

REVISIONS

PRE-CHECK (PC) DOCUMENT
 CODE: 2022 CBC
 A SEPARATE PROJECT APPLICATION
 FOR CONSTRUCTION IS REQUIRED



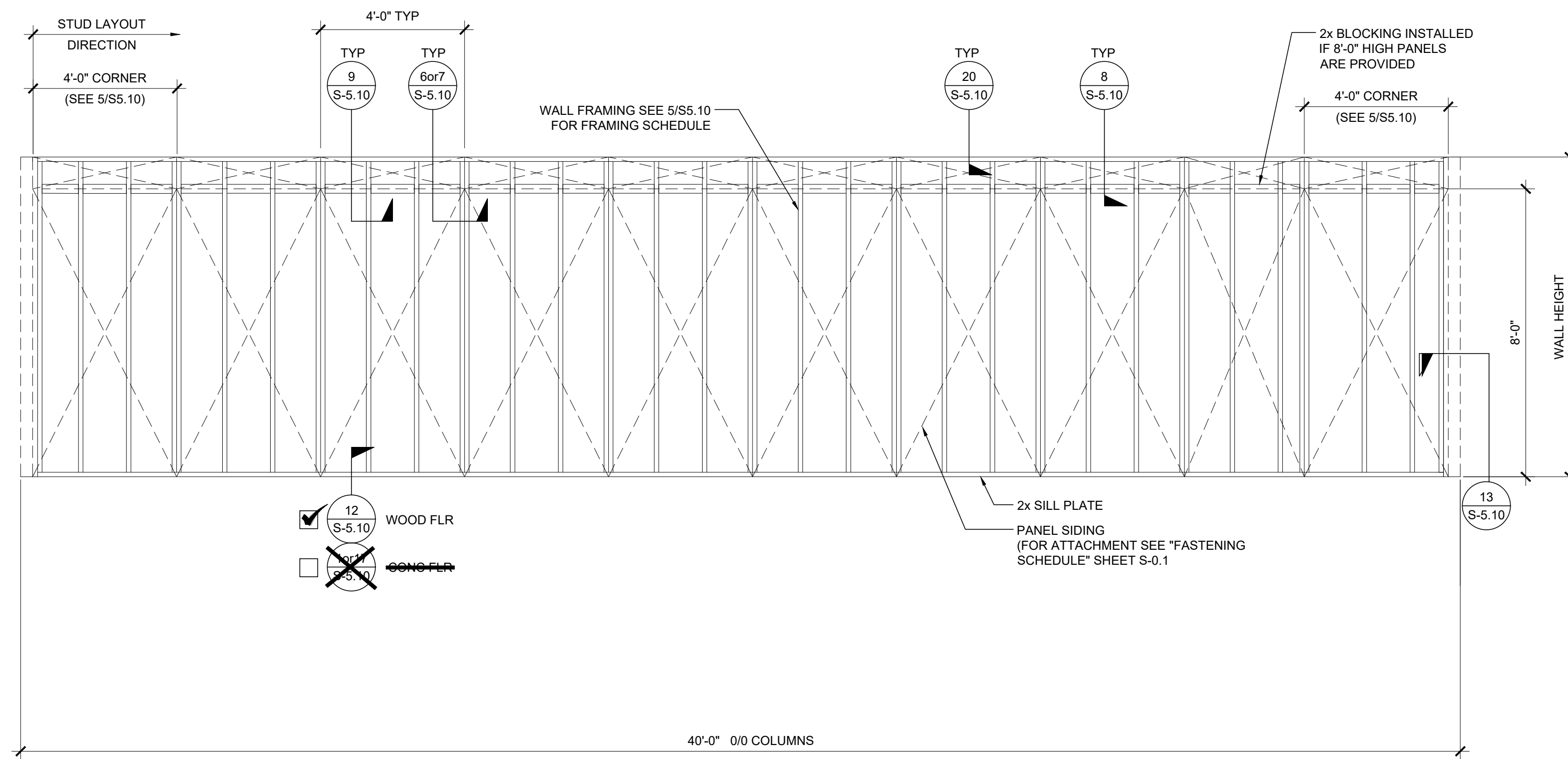
PC STATE AGENCY APPROVAL



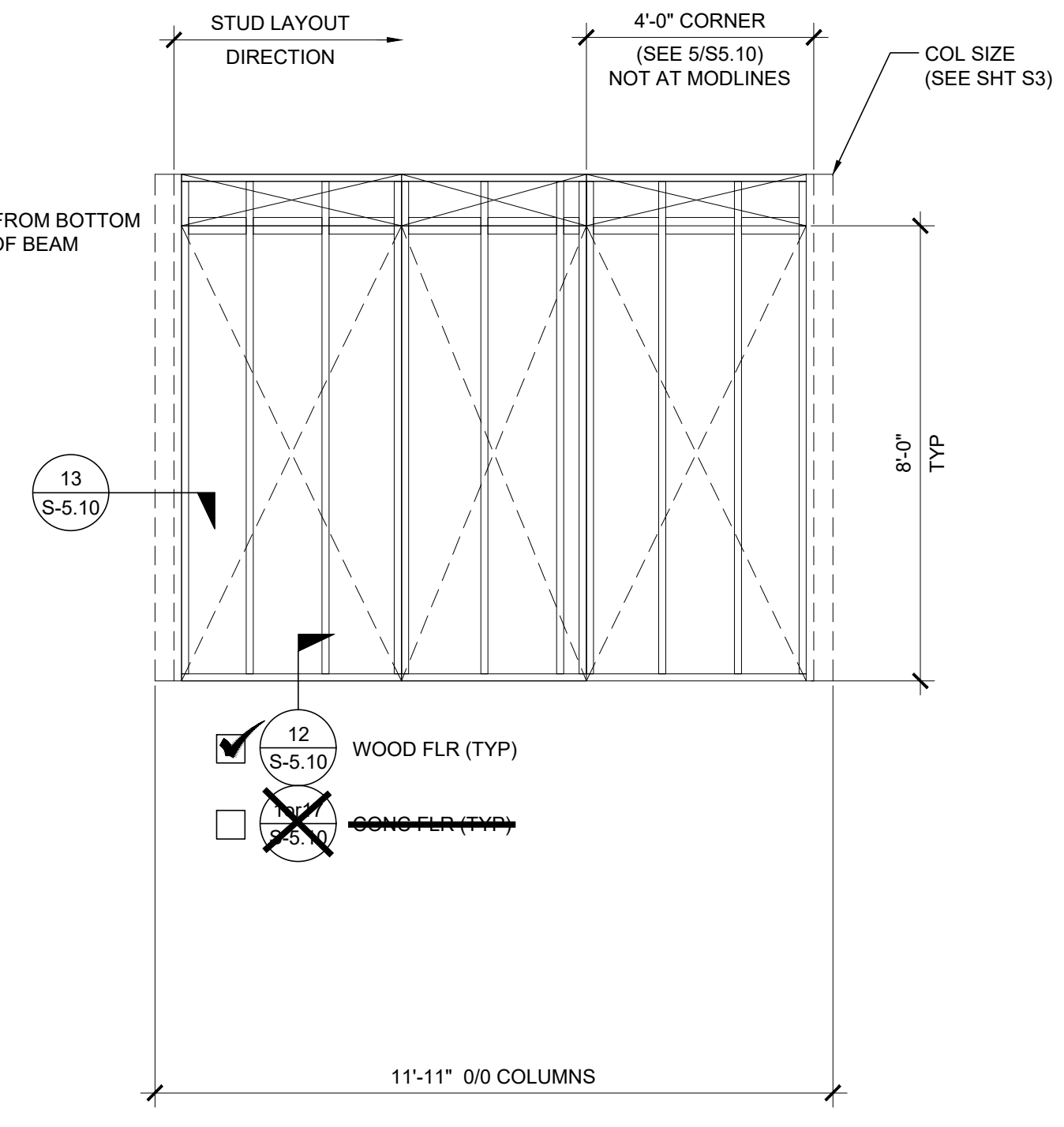
SILVER CREEK INDUSTRIES
 24' x 40' PC

PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 02-27-2023

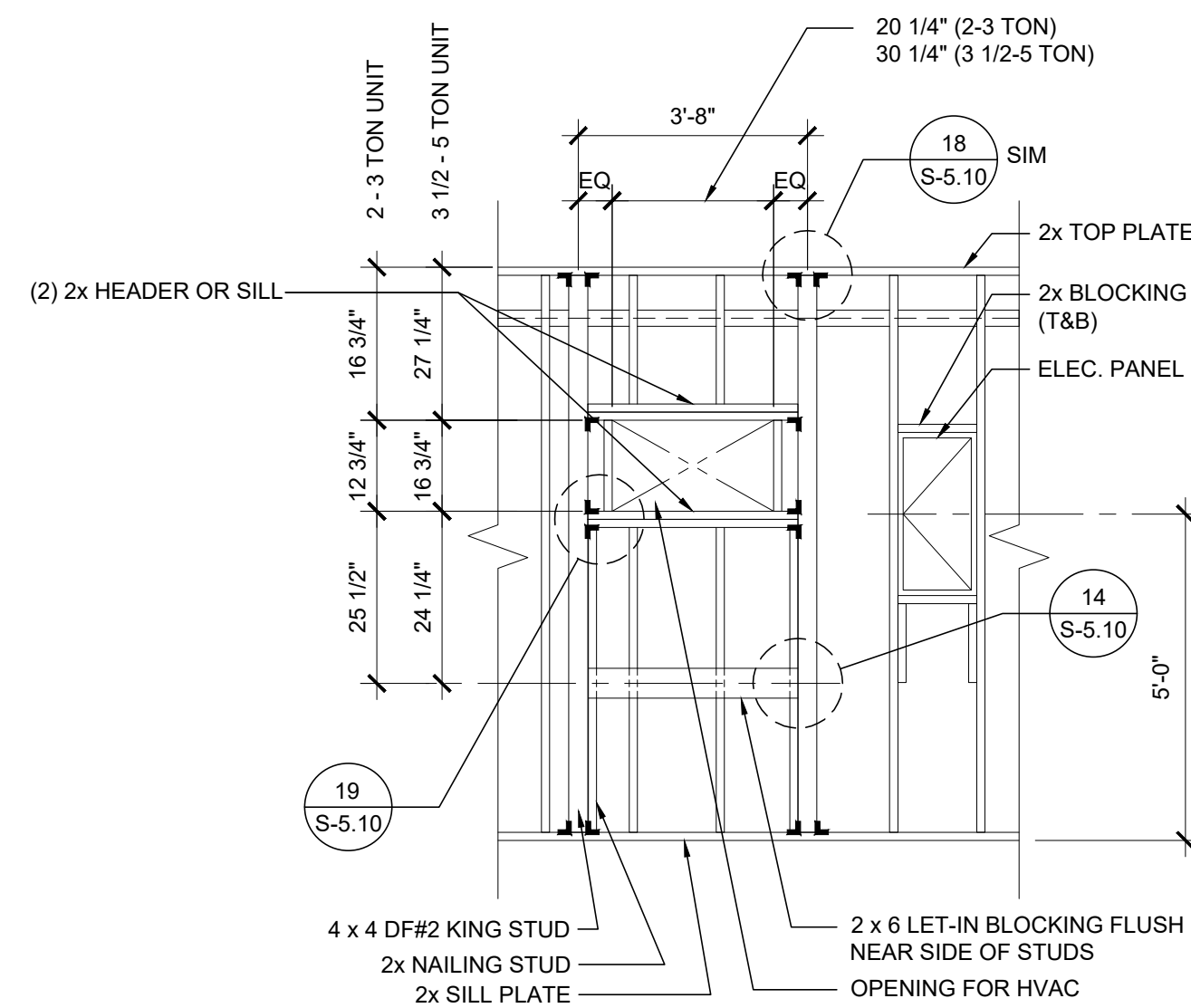
P.C. SHEET NUMBER
S-3.01



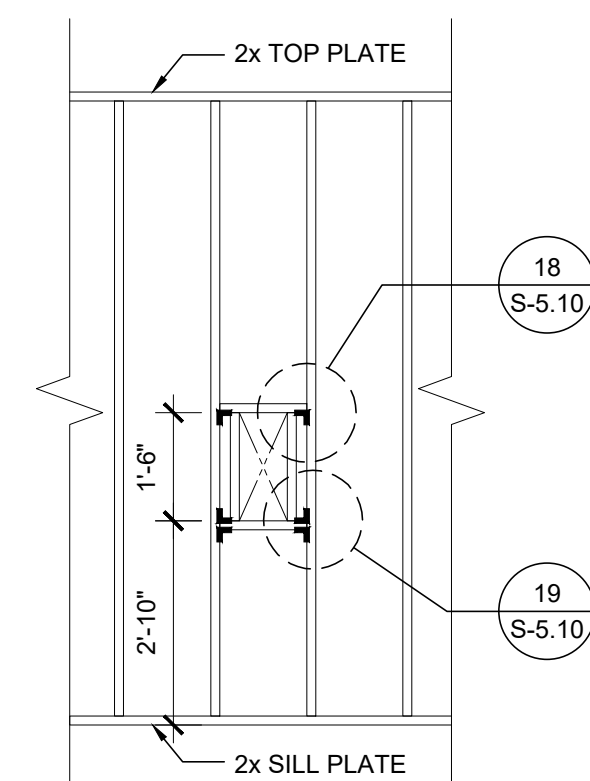
TYPICAL SIDE WALL



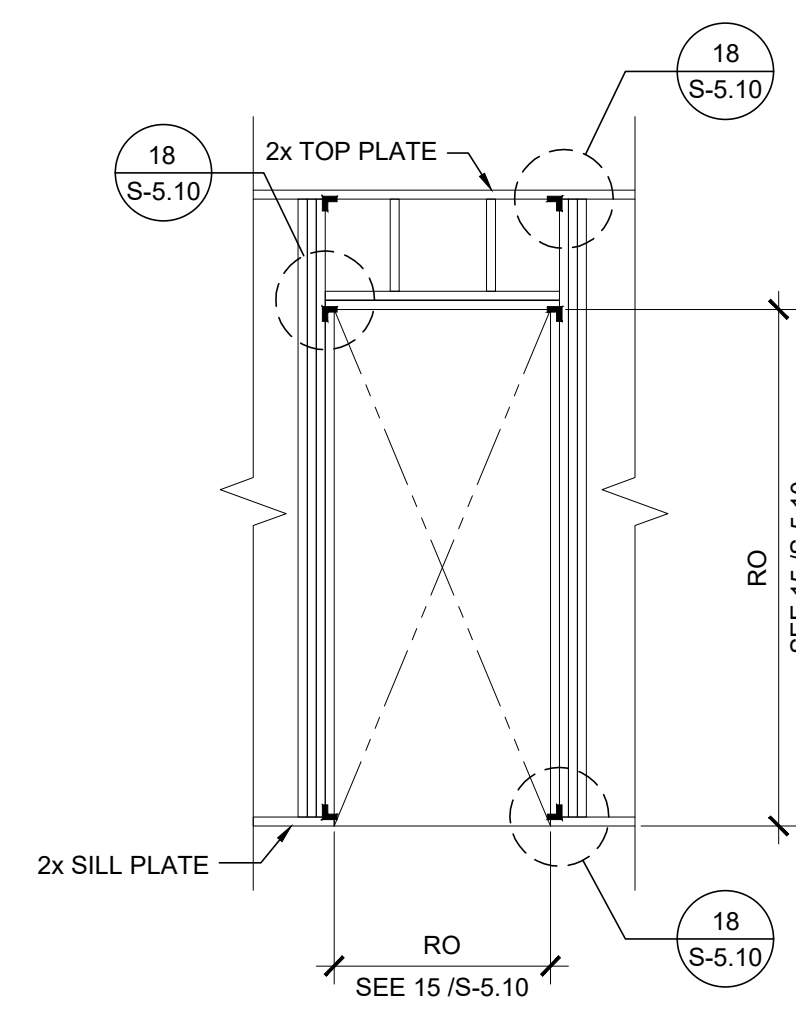
TYPICAL END WALL



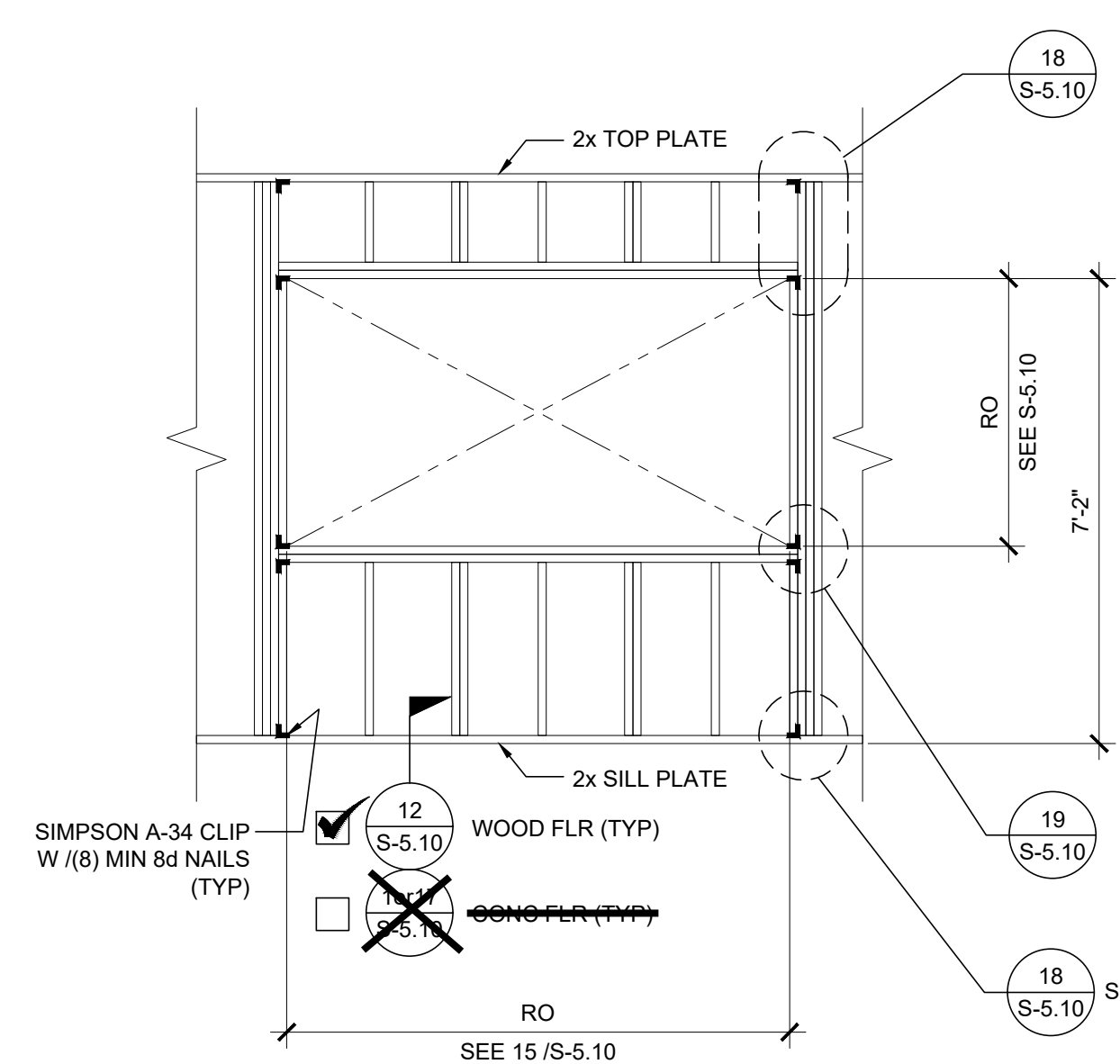
TYPICAL HVAC



FIRE EXTINGUISHER CABINET BLOCKOUT



TYPICAL DOOR



TYPICAL WINDOW

NOTES

WALL HEIGHT SCHEDULE

COLUMN HEIGHT	9'-0"	9'-6"	10'-0"	10'-6"
CONCRETE FLOOR	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WOOD FLOOR	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTE:
ALL EXTERIOR WALL FRAMING SHALL BE 2x6 (MIN).
~~EXCEPTION: UNCONDITIONED RESTROOM MODULES MAY UTILIZE 2x4 FRAMING.~~

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122154 INC.
REVIEWED FOR
SS FLS ACS
DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:
SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS

SHEET TITLE:
WALL FRAMING
ELEVATIONS
WOOD STUDS

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-121999 INC.
REVIEWED FOR
SS FLS ACS
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

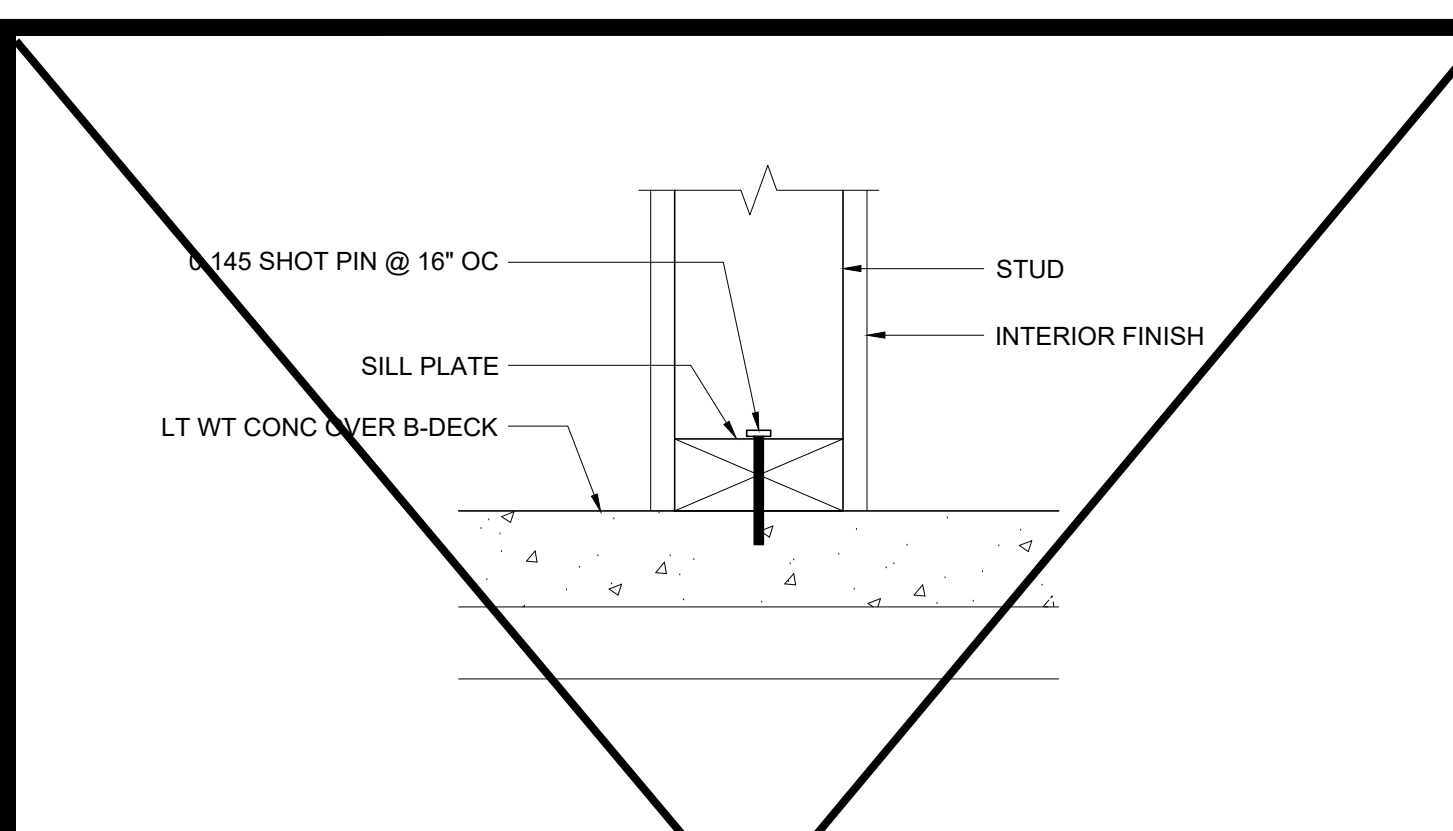
Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

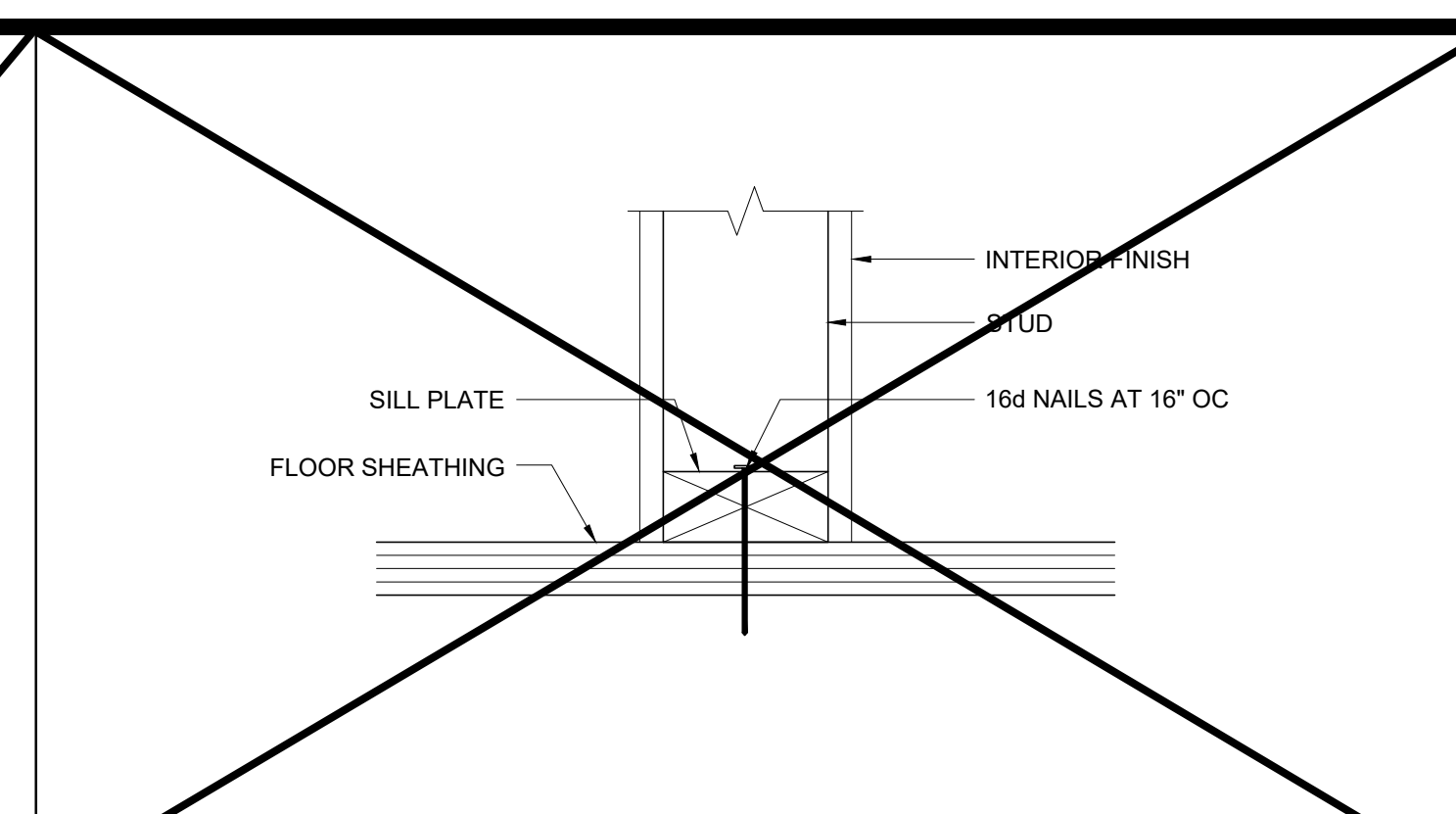
SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023

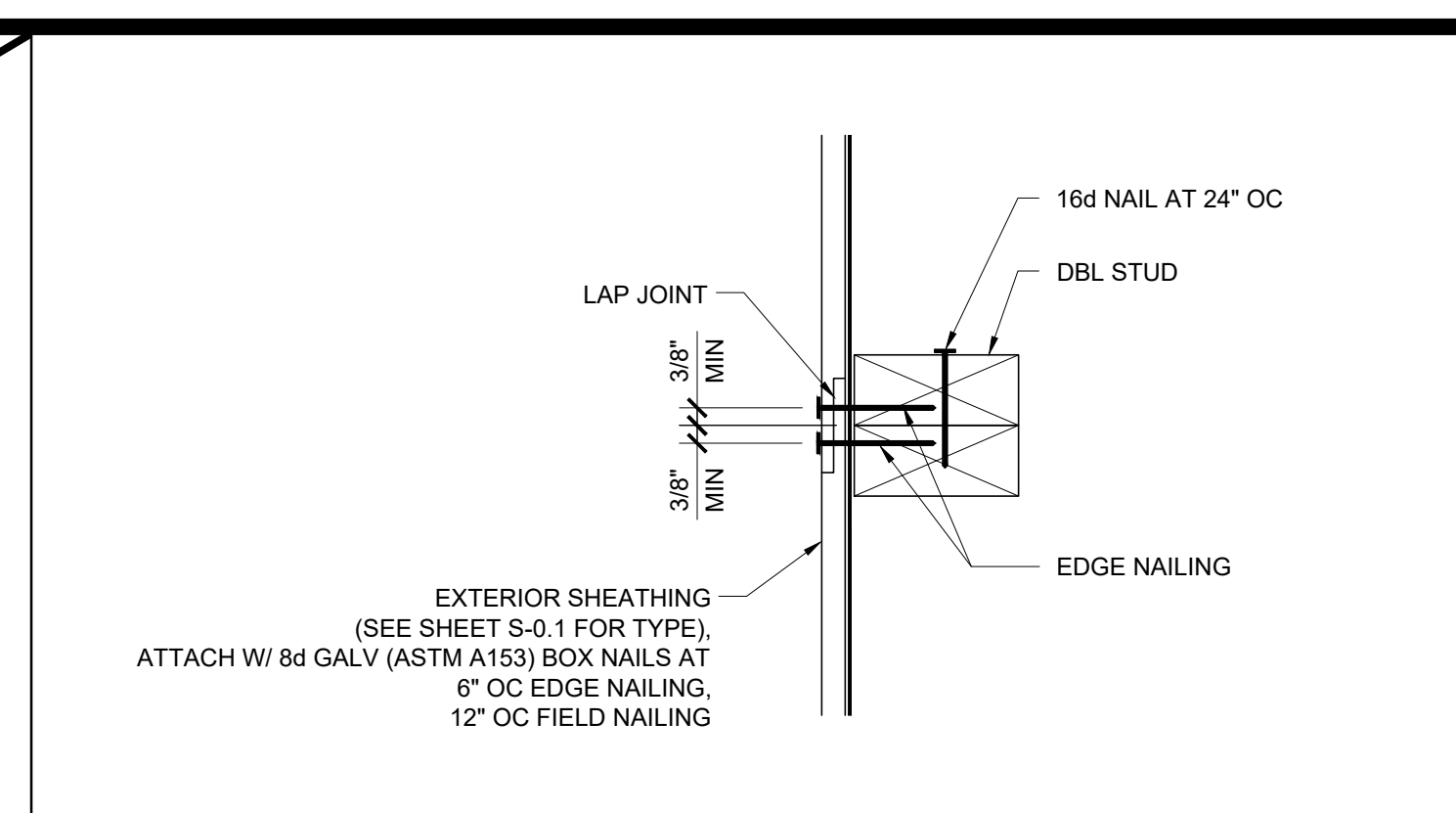
P.C. SHEET NUMBER
S-5.00



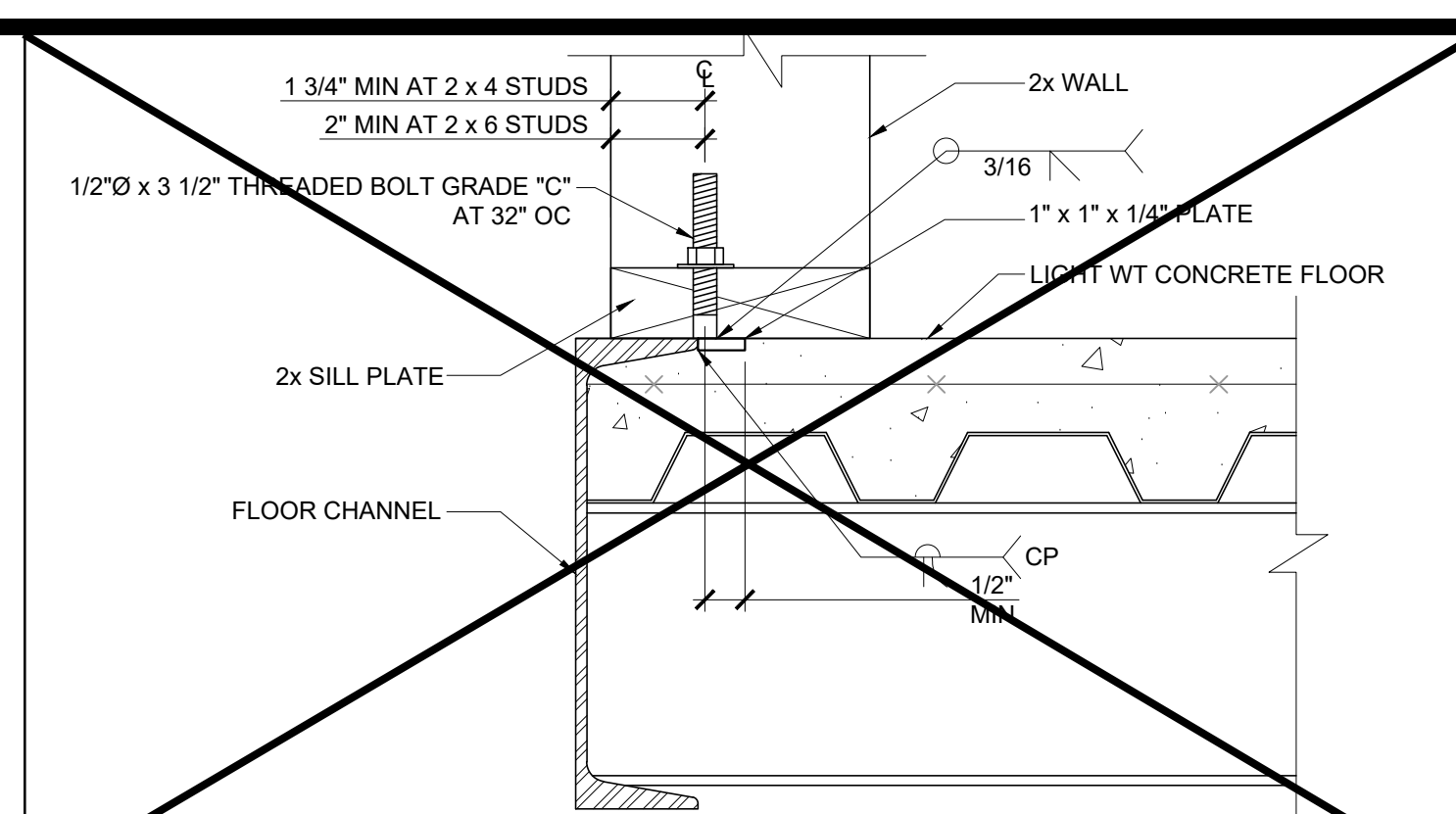
PARTITION CONNECTION AT CONC FLOOR SCALE: 3\"/>



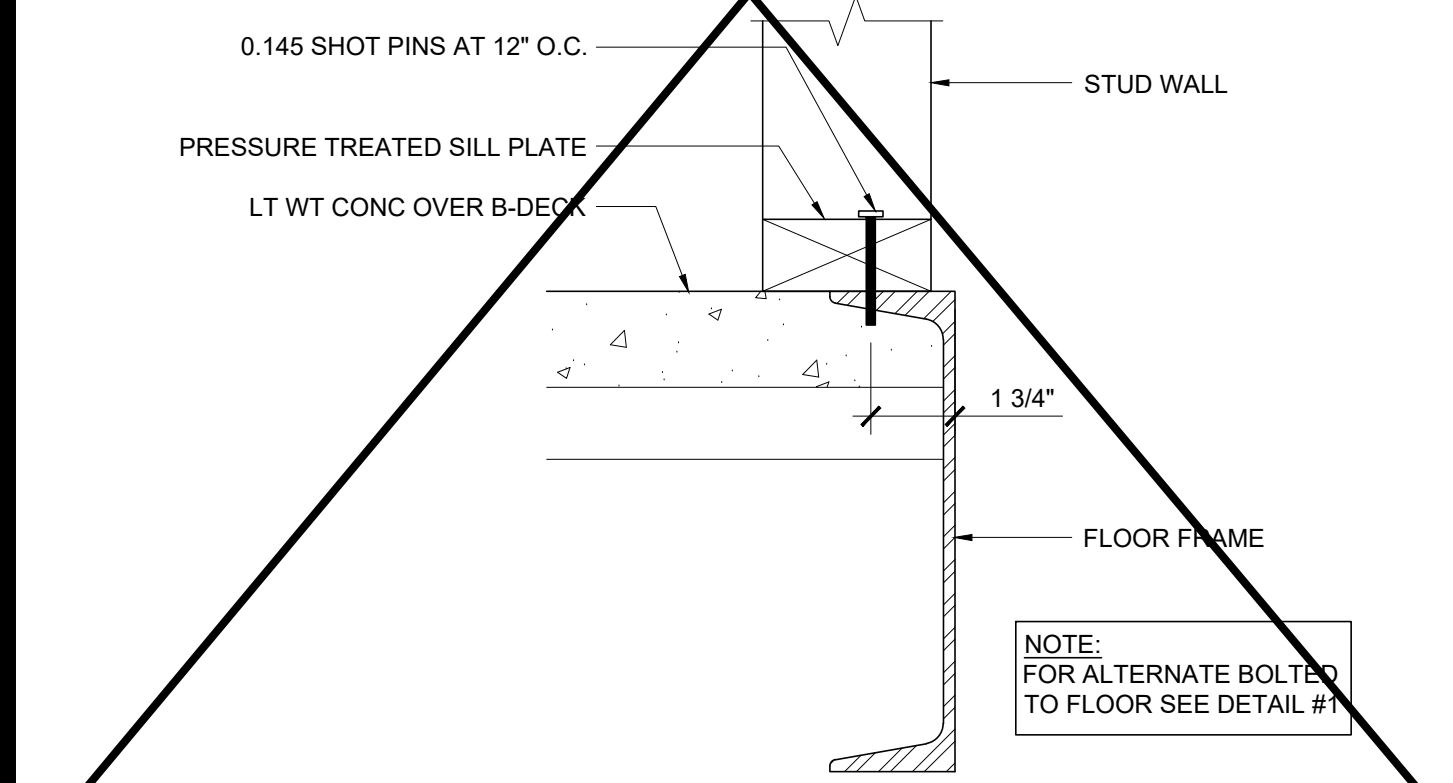
PARTITION CONNECTION AT WOOD FLOOR SCALE: 3\"/>



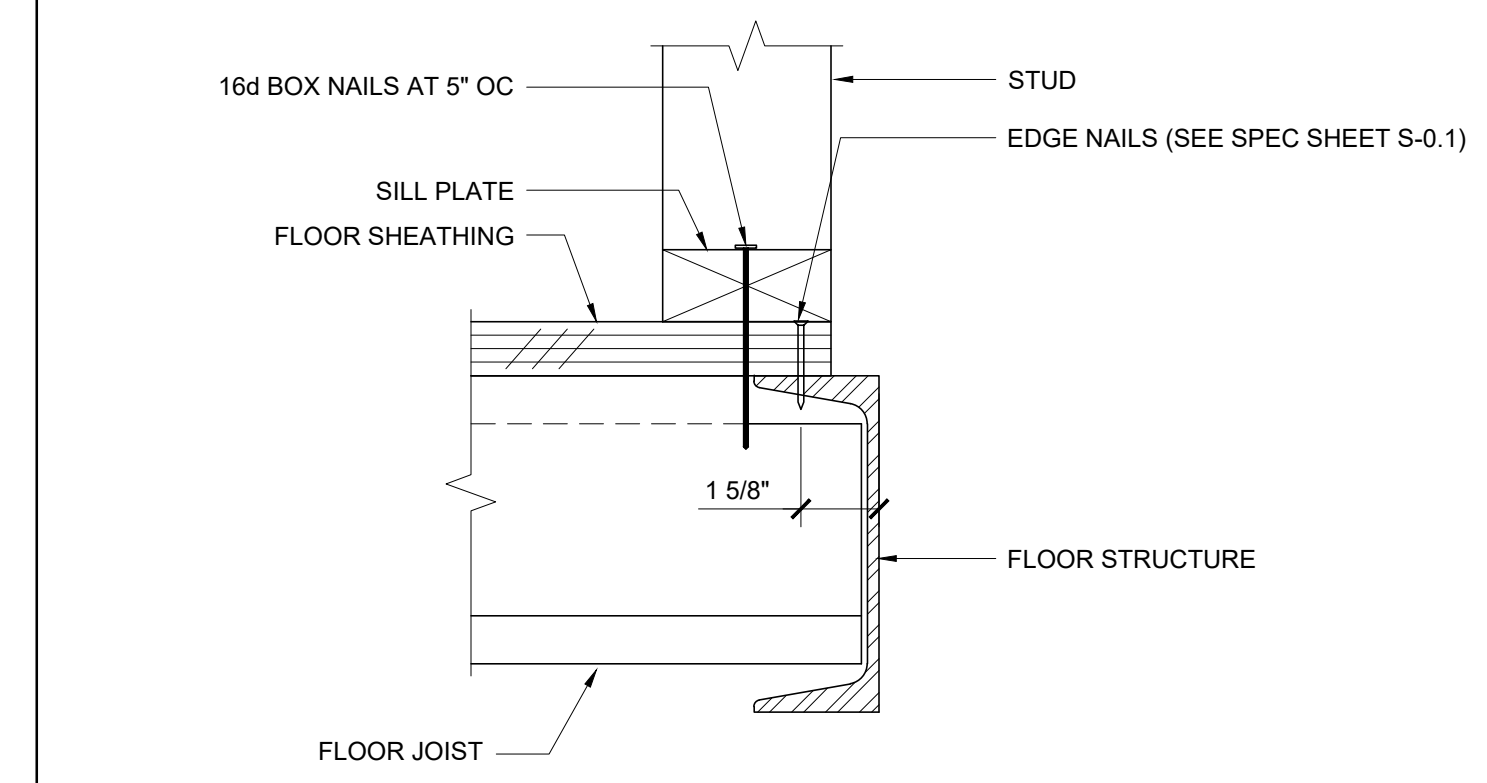
VERTICAL SHEATHING LAP JOINT SCALE: 3\"/>



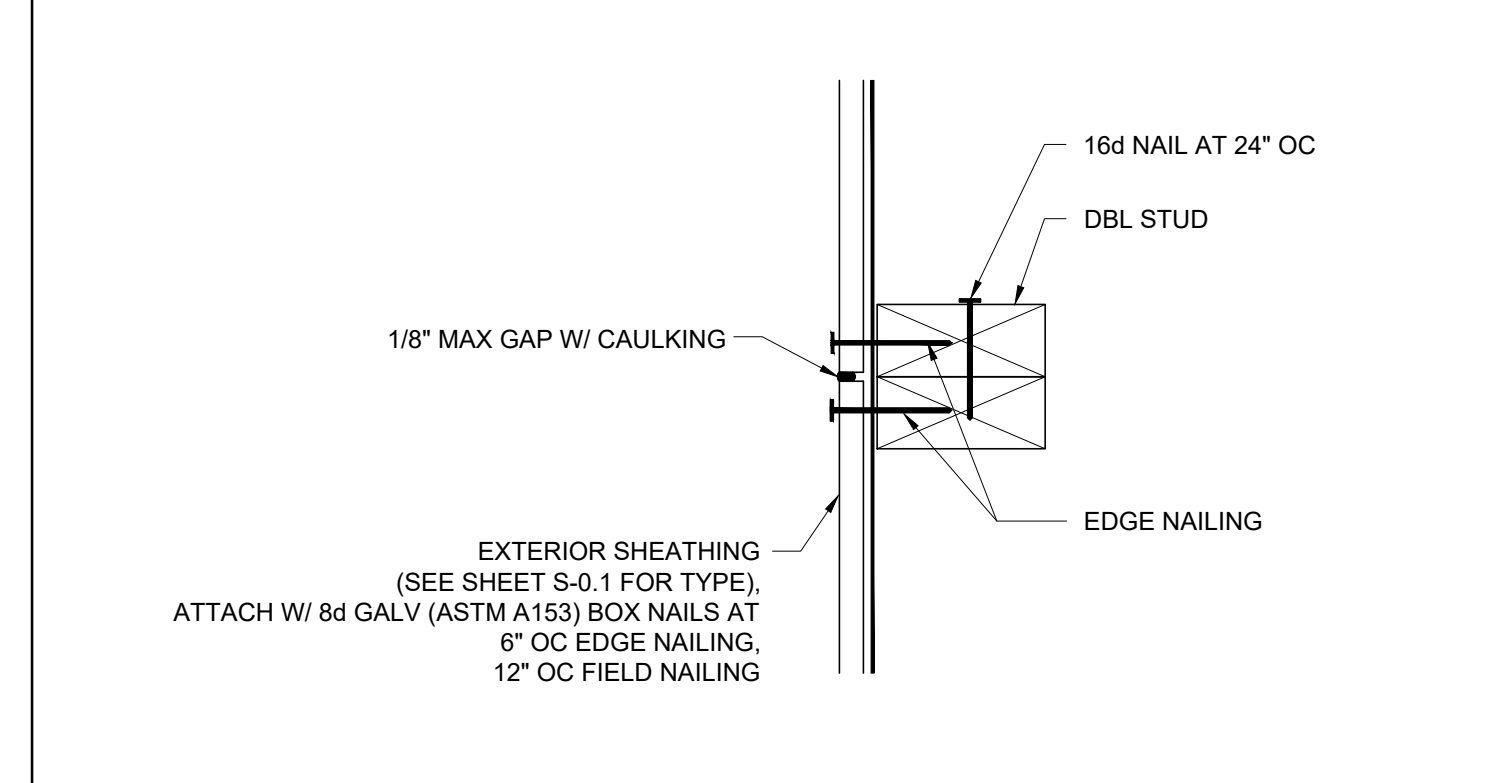
OPTIONAL BOLTED WALL TO FLOOR SCALE: NTS



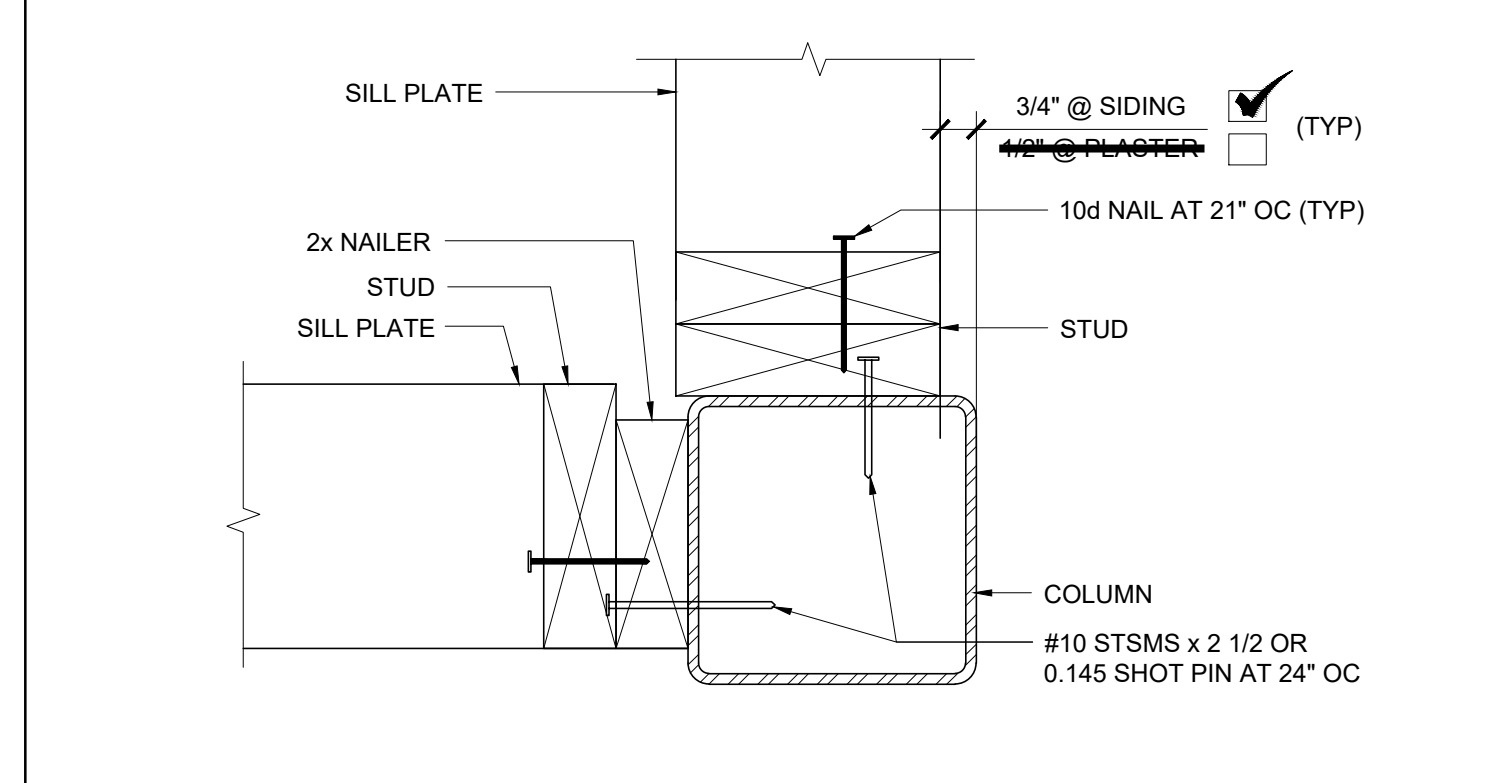
WALL SILL AT CONCRETE FLOOR SCALE: 3\"/>



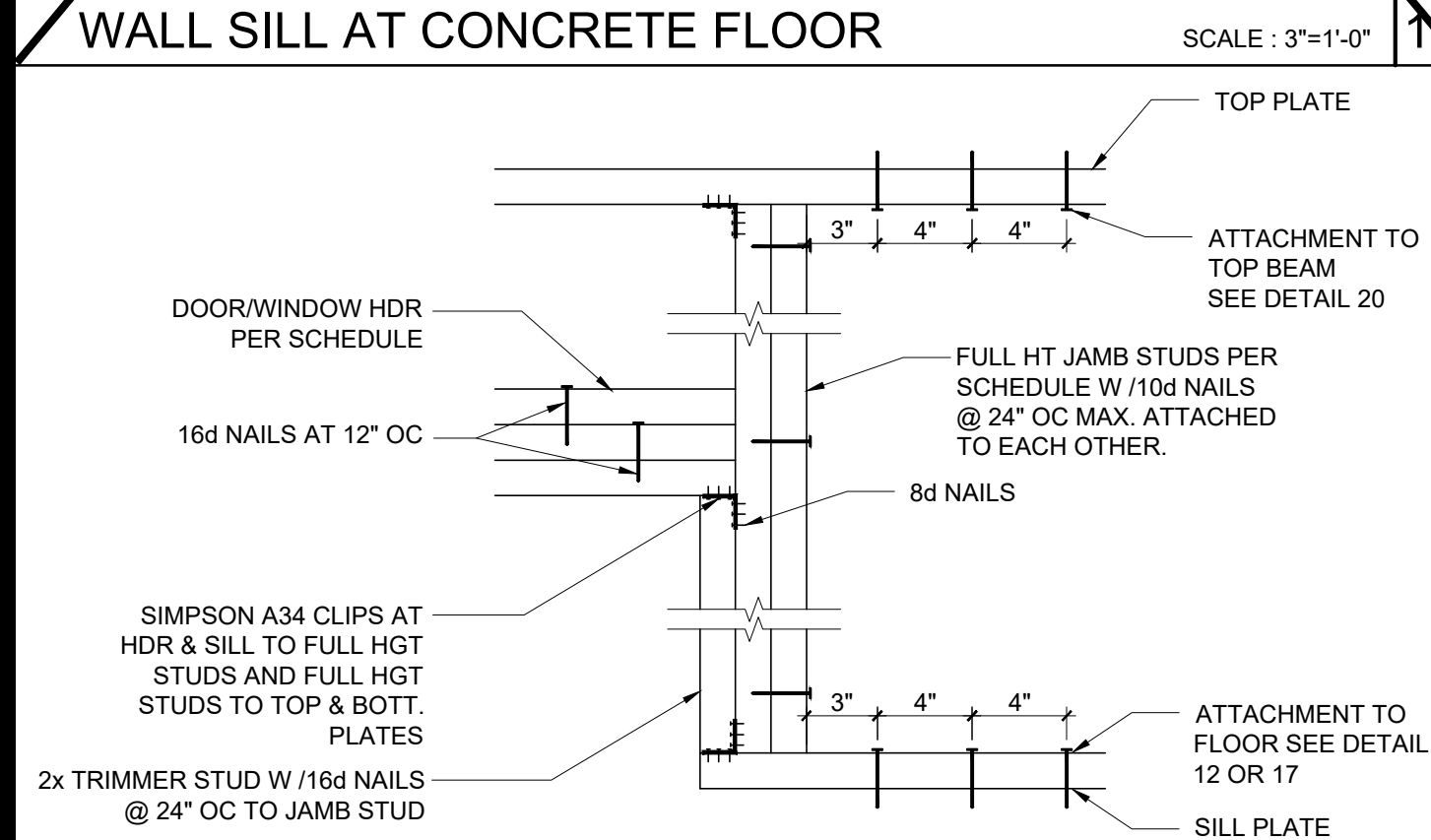
WALL SILL AT WOOD FLOOR SCALE: 3\"/>



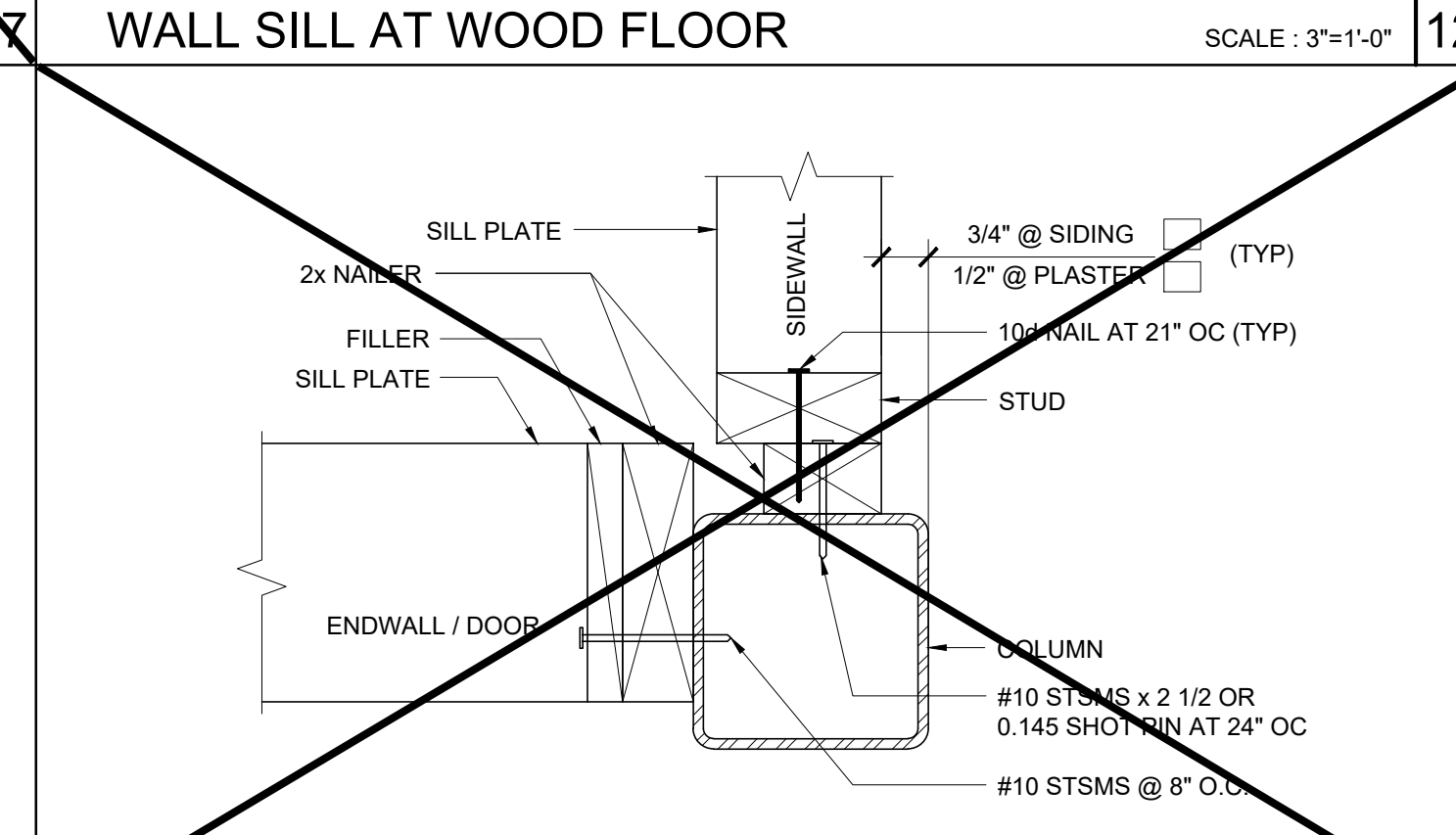
VERTICAL SHEATHING BUTT JOINT SCALE: 3\"/>



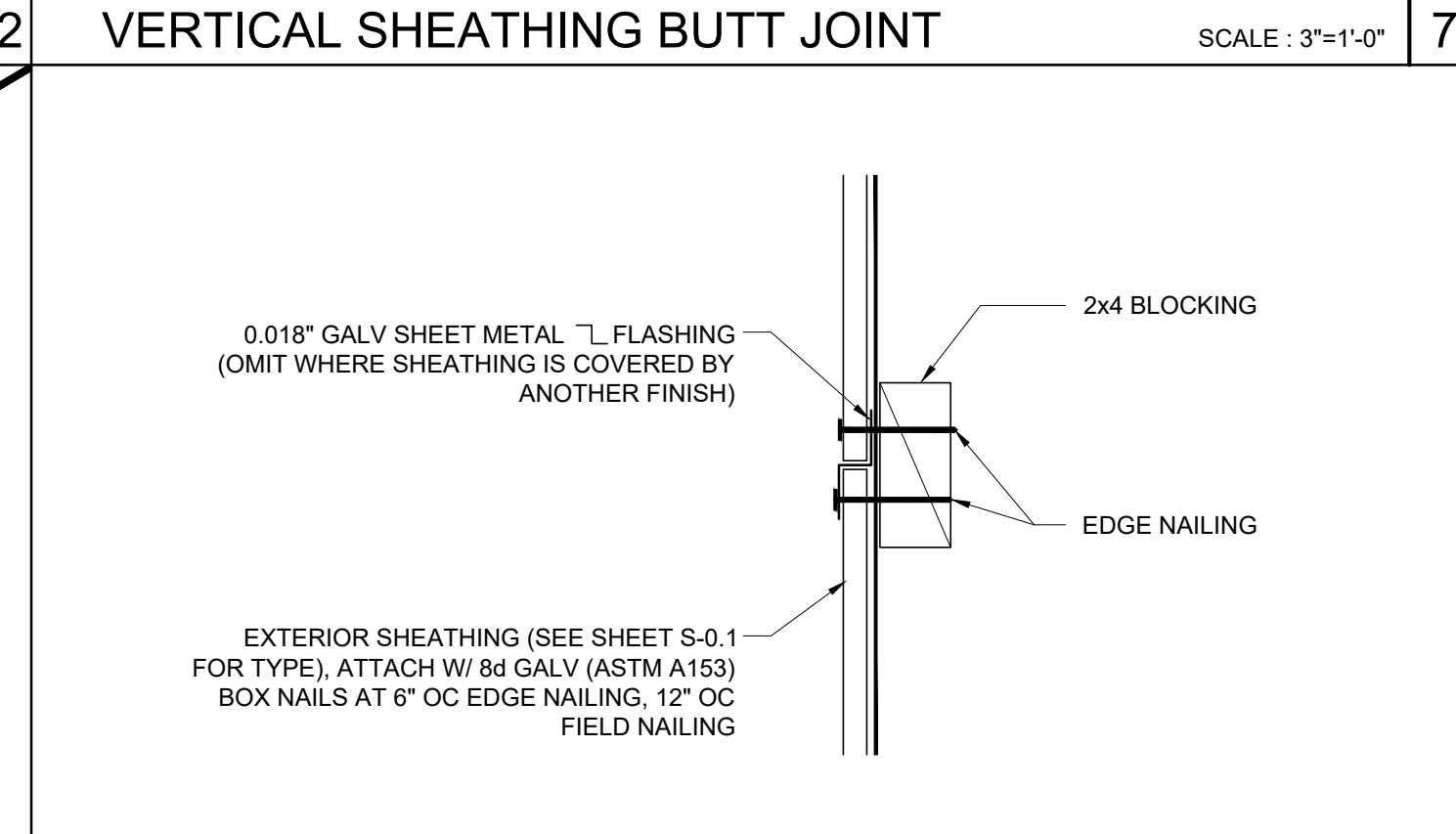
COLUMN AT ENDWALL (2x6) SCALE: 3\"/>



DOOR/WINDOW HEADER AND JAMB SCALE: 1 1/2\"/>



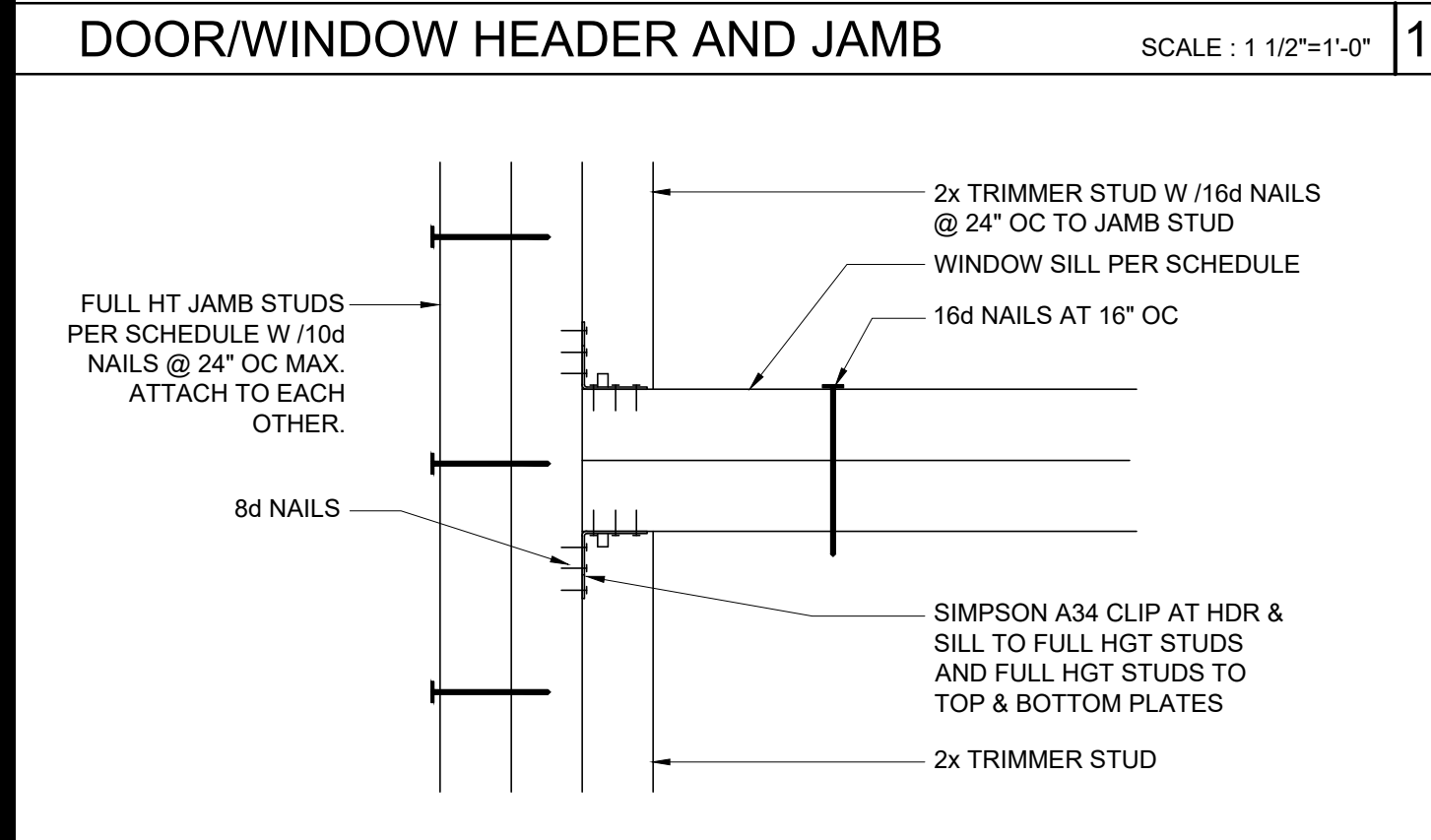
COLUMN AT ENDWALL (2x4) SCALE: 3\"/>



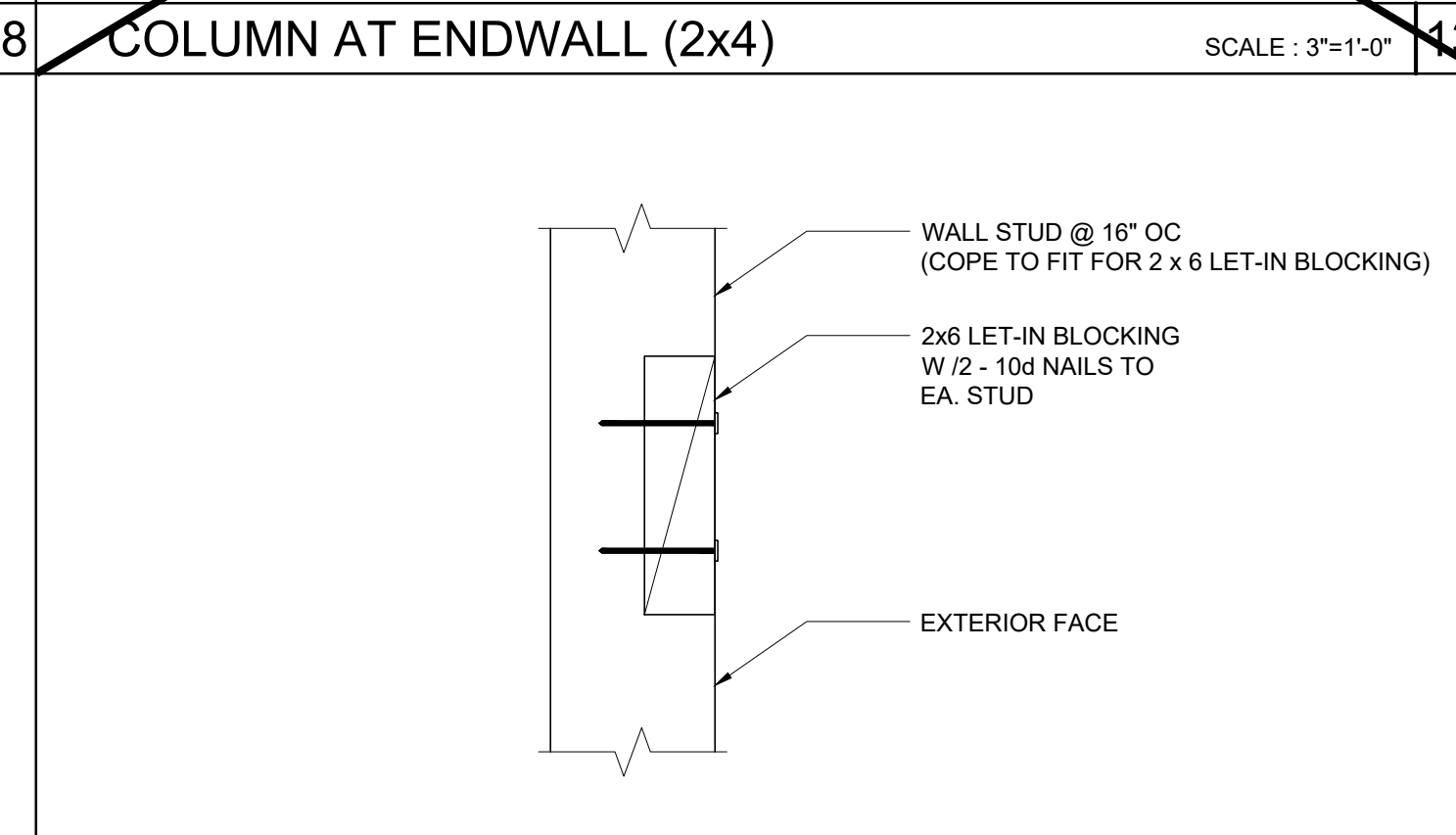
HORIZONTAL SHEATHING JOINT SCALE: 3\"/>

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
LESS THAN 9'-6"	3070	NO PLASTER	(1)	2X4	HF	#2	N/A				(2)	2X4	HF	#2
		NO PLASTER (OPT)	(1)	2X4	DF	#2	N/A				(2)	2X4	DF	#2
		PLASTER	(2)	2X4	DF	#2	N/A				(3)	2X4	DF	#2
9'-6" TO 10'-6"	3070	NO PLASTER	(1)	2X4	HF	#2	N/A				(2)	2X4	HF	#2
		NO PLASTER (OPT)	(1)	2X4	DF	#2	N/A				(2)	2X4	DF	#2
		PLASTER	(2)	2X4	DF	#2	N/A				(3)	2X4	DF	#2

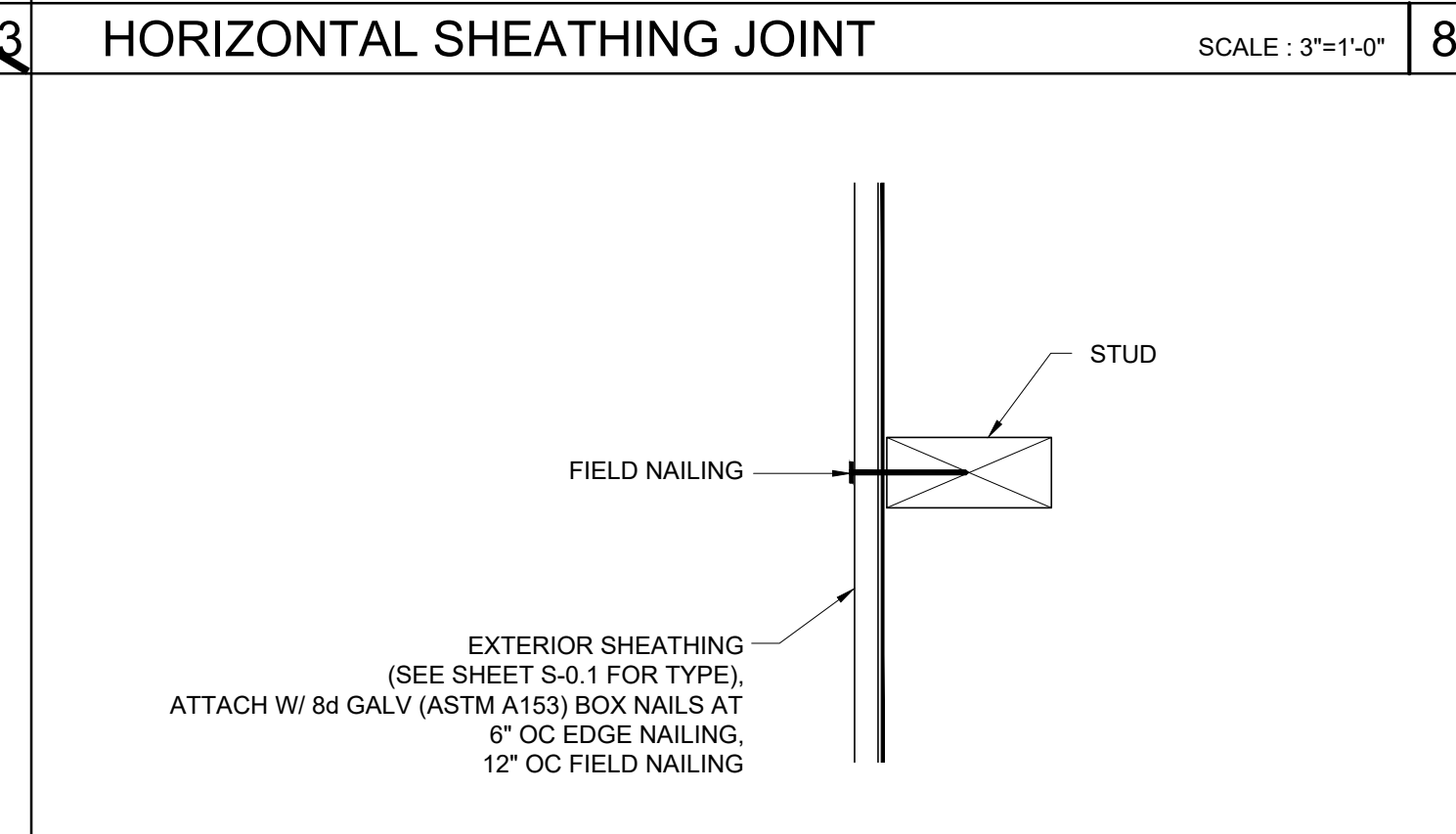
SECTION AT SHEATHING TO STUD ATTACHMENT SCALE: 3\"/>



WINDOW SILL AND JAMB SCALE: 3\"/>



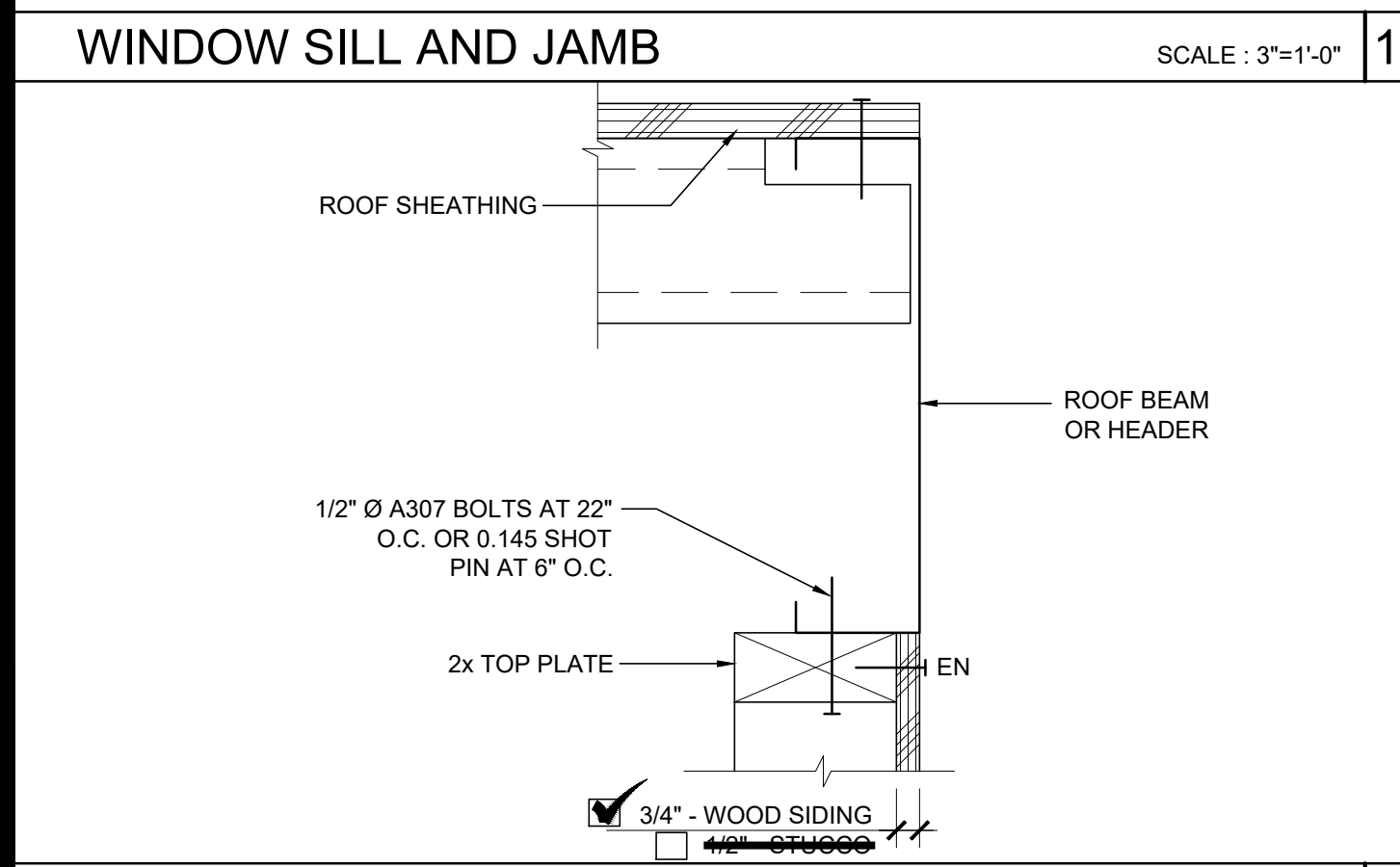
LET-IN BLOCK ATTACHMENT SCALE: 3\"/>



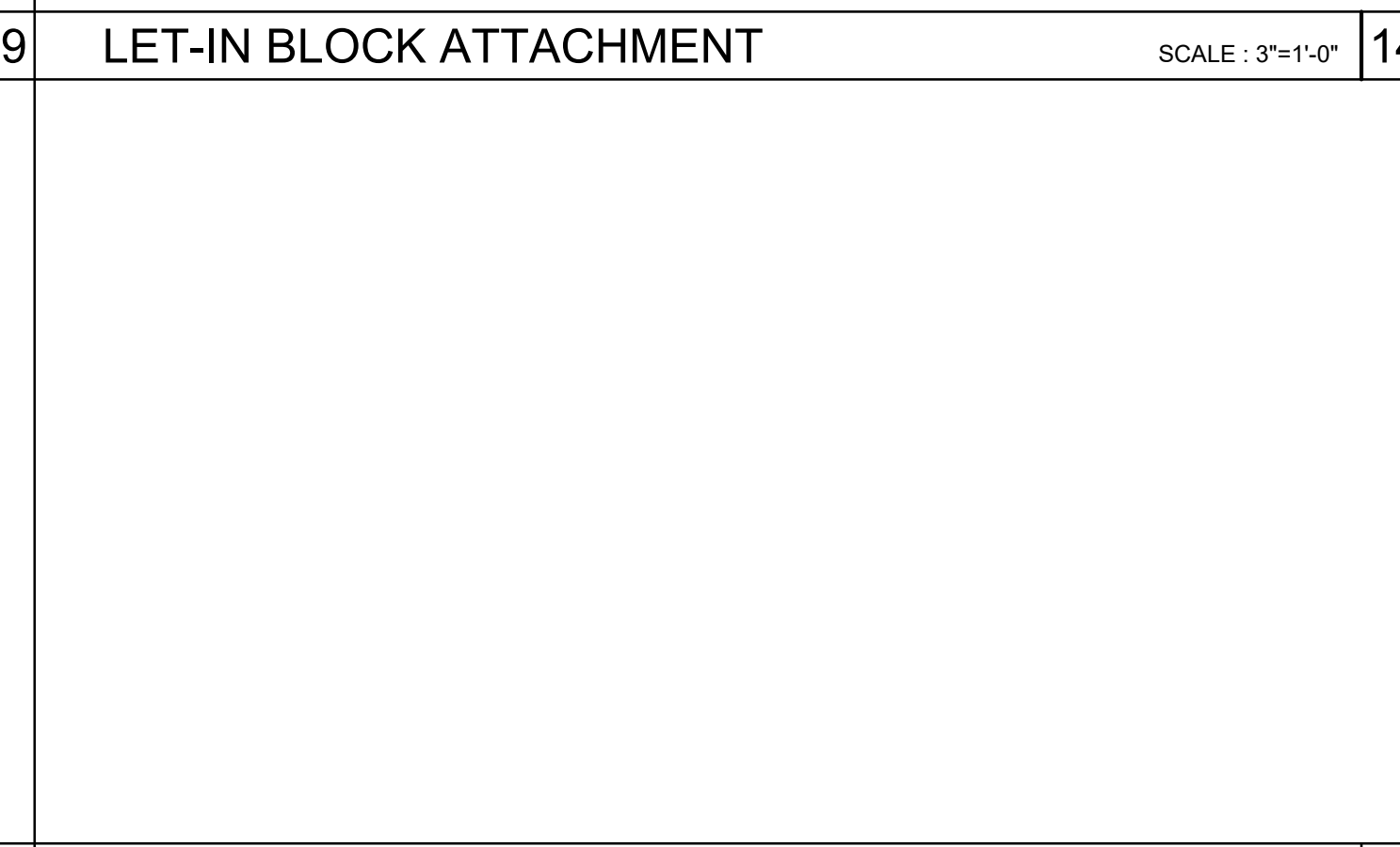
SECTION AT SHEATHING TO STUD ATTACHMENT SCALE: 3\"/>

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING				4' CORNER OF WOOD WALL FRAMING (ZONE 5)			
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER
LESS THAN 9'-6"	NO PLASTER	(1)	2X4	HF	#2	16\"/>			
	NO PLASTER (OPT)	(1)	2X4	DF	#2	16\"/>			
	PLASTER	(1)	2X4	DF	#2	16\"/>			
9'-6" TO 10'-6"	NO PLASTER	(1)	2X4	HF	#2	16\"/>			
	NO PLASTER (OPT)	(1)	2X4	DF	#2	16\"/>			
	PLASTER	(1)	2X4	DF	#2	16\"/>			

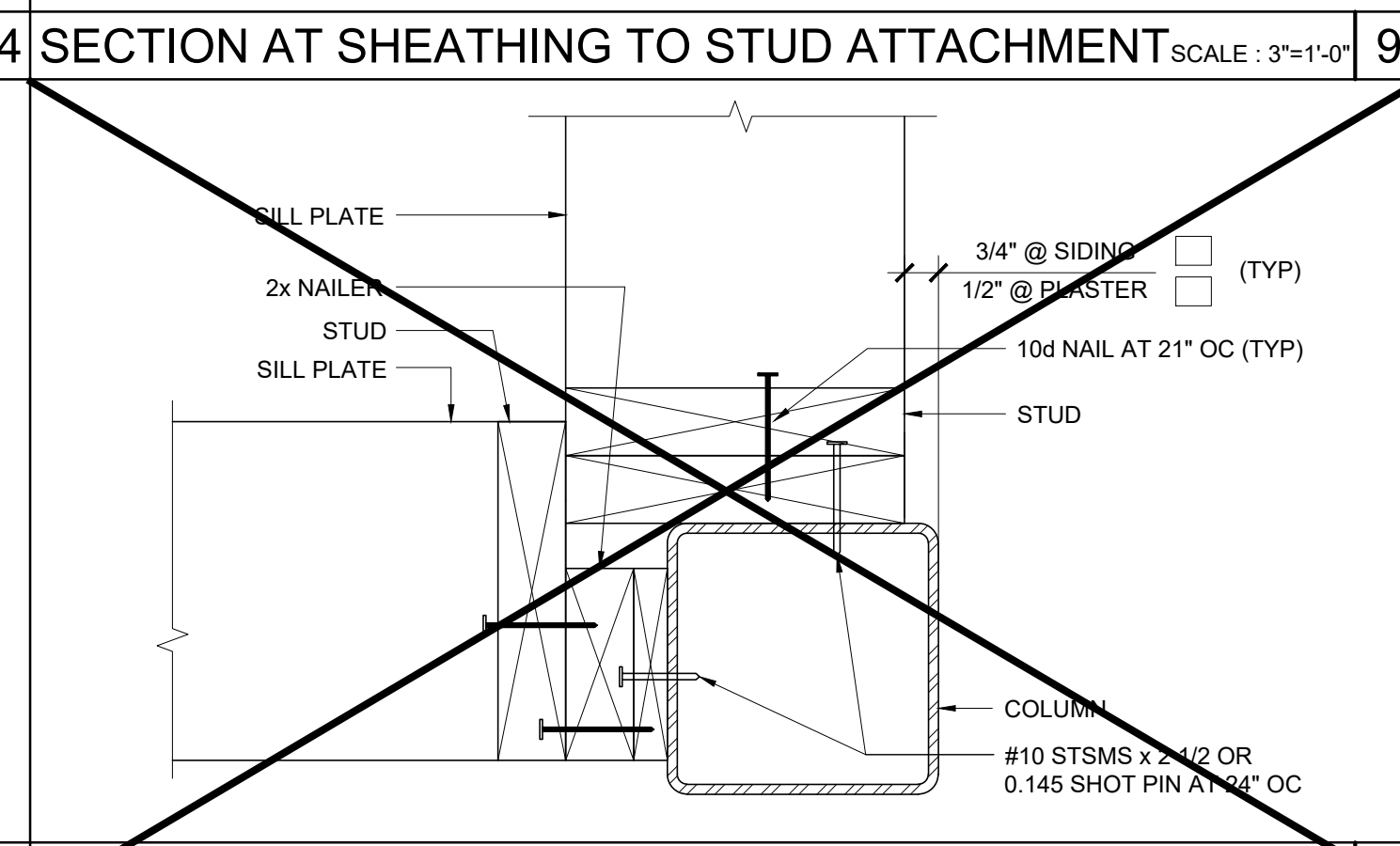
SECTION AT SHEATHING TO STUD ATTACHMENT SCALE: 3\"/>



TOP PLATE AT ROOF BEAM SCALE: 3\"/>



NOT USED



COLUMN AT ENDWALL (2x8) SCALE: 3\"/>

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING				4' CORNER OF WOOD WALL FRAMING (ZONE 5)			
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER
LESS THAN 9'-6"	NO PLASTER	(1)	2X4	HF	#2	16\"/>			
	NO PLASTER (OPT)	(1)	2X4	DF	#2	16\"/>			
	PLASTER	(1)	2X4	DF	#2	16\"/>			
9'-6" TO 10'-6"	NO PLASTER	(1)	2X4	HF	#2	16\"/>			
	NO PLASTER (OPT)	(1)	2X4	DF	#2	16\"/>			
	PLASTER	(1)	2X4	DF	#2	16\"/>			

COLUMN AT ENDWALL (2x8) SCALE: 3\"/>

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122154 INC:
REVIEWED FOR
SS FLS ACS
DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:
**SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS**

SHEET TITLE:
**WALL FRAMING
DETAILS
WOOD STUDS**

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-121999 INC:
REVIEWED FOR
SS FLS ACS
DATE: 08/31/2023

PC STATE AGENCY APPROVAL



Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

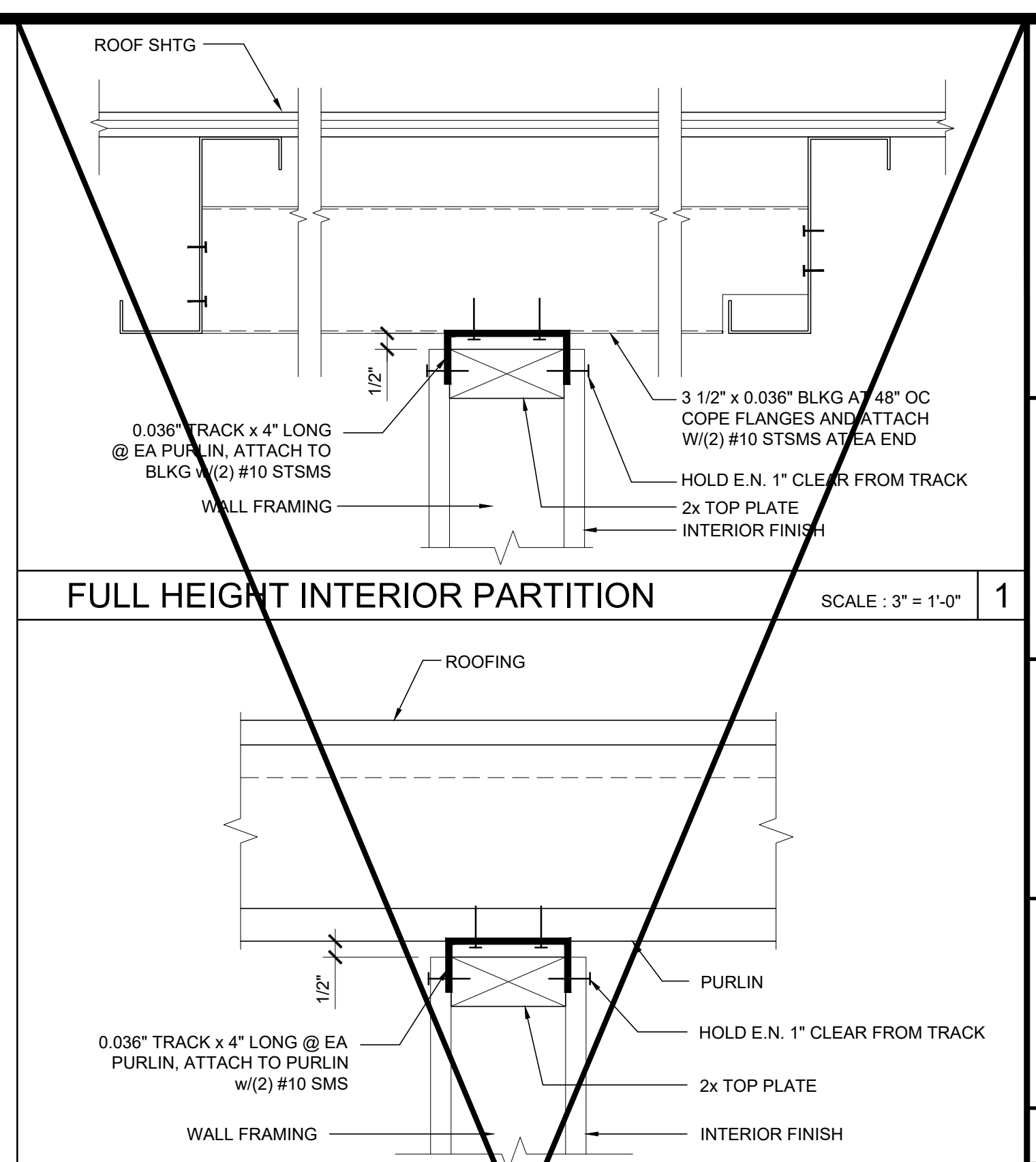
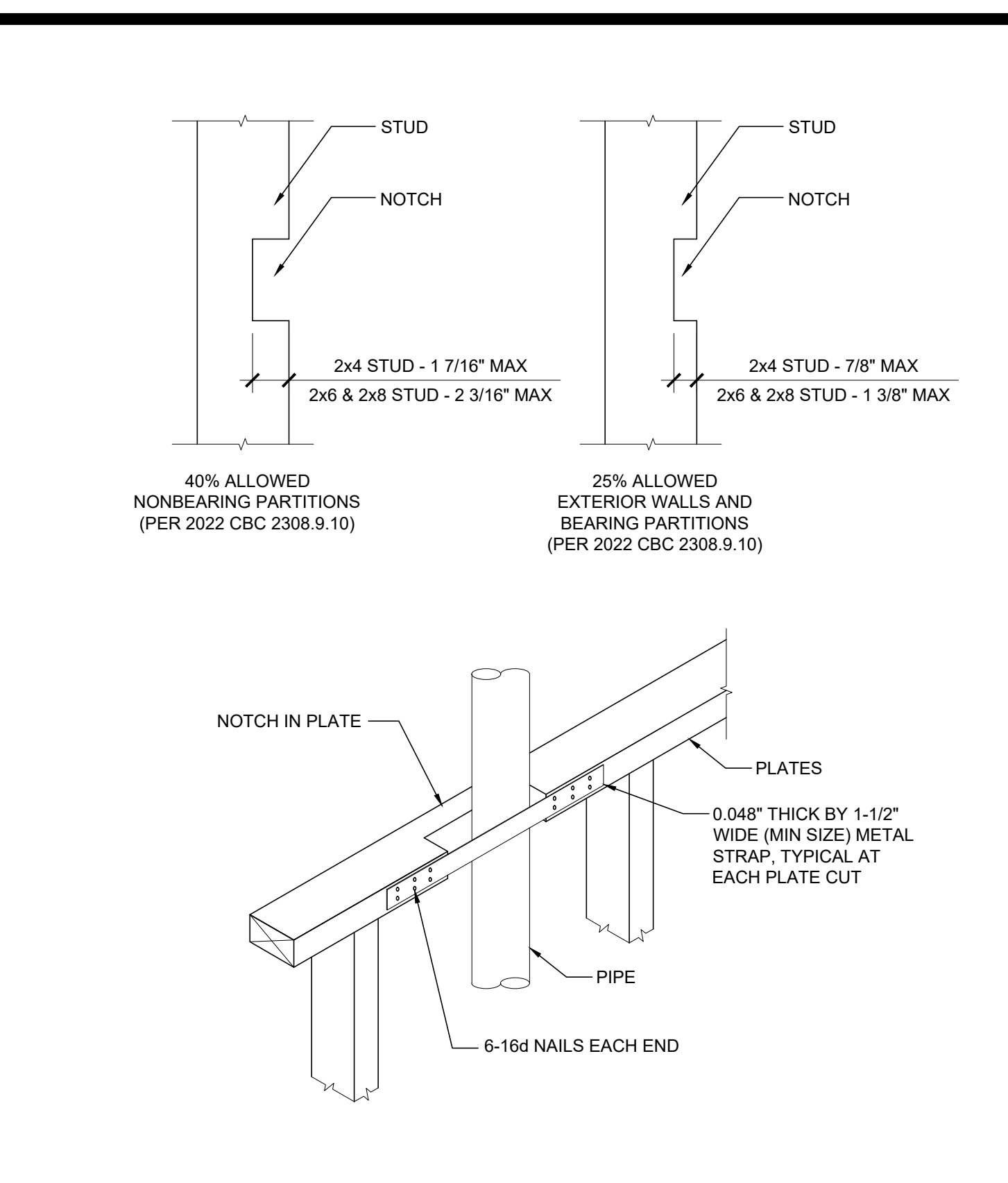
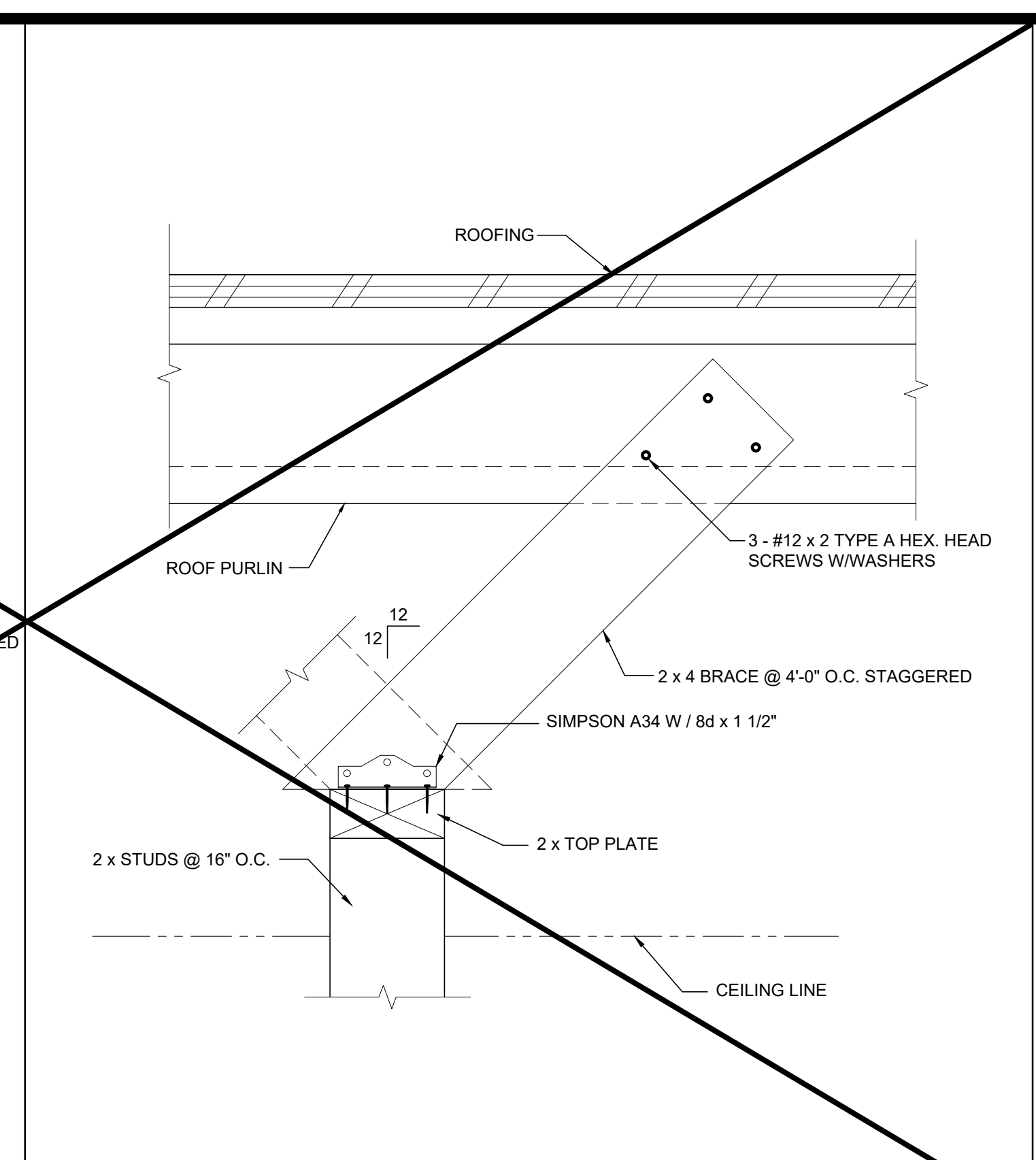
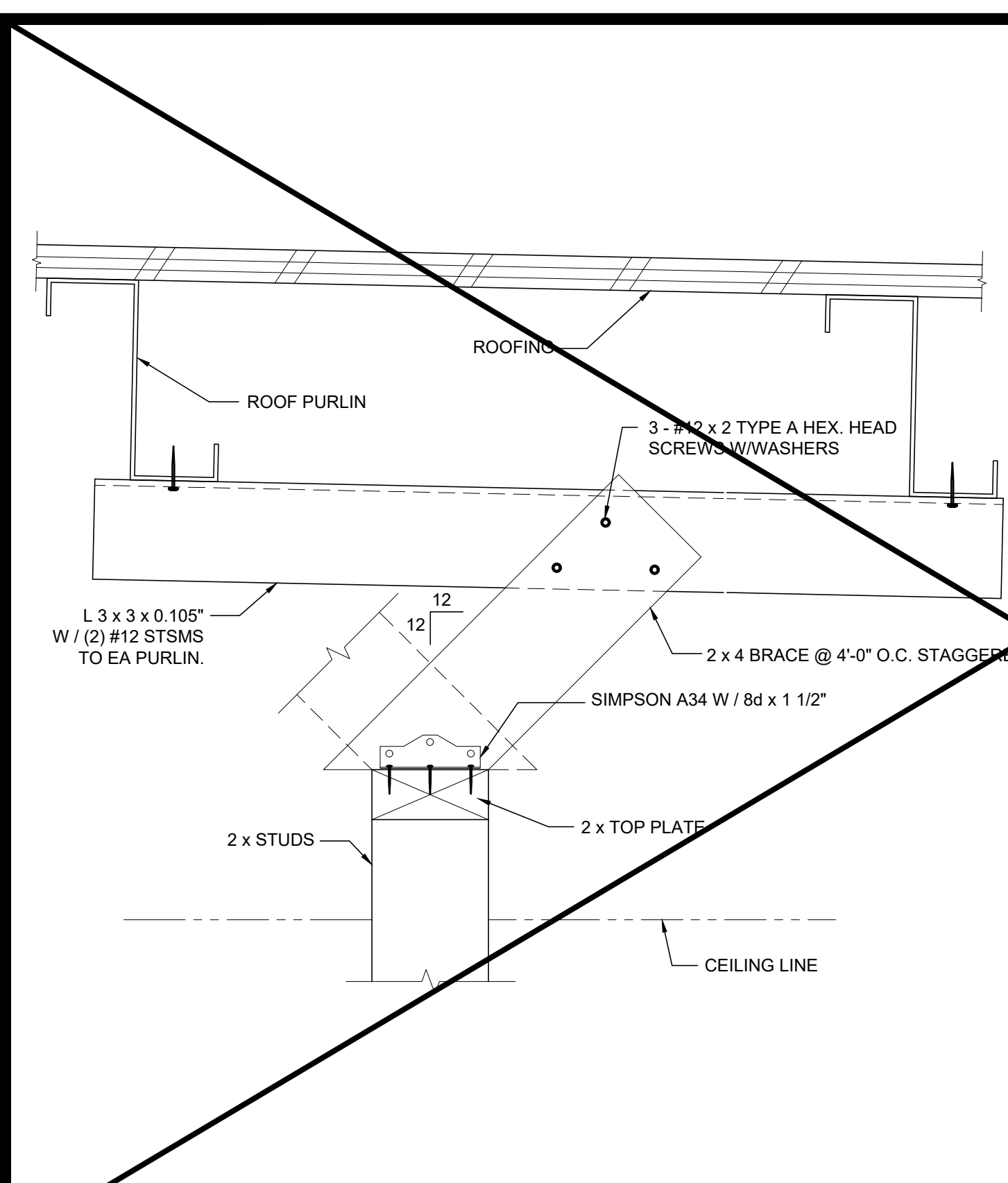
MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023
P.C. SHEET NUMBER
S-5.10

- NOTES:
- 2X4 WALL FRAMING NOT PERMITTED FOR STUGCO FINISH WALLS OVER 9'-0" TALL
 - 2X4 EXTERIOR WALL FRAMING IS ONLY PERMITTED AT UNCONDITIONED RESTROOM MODULES
 - 2X4 INTERIOR WALLS SHALL BE HF #2 (OR BETTER) AND SHALL BE SPACED NOT MORE THAN 24" OC MAX



INTERIOR PARTITION SCALE: 3" = 1'-0" 14

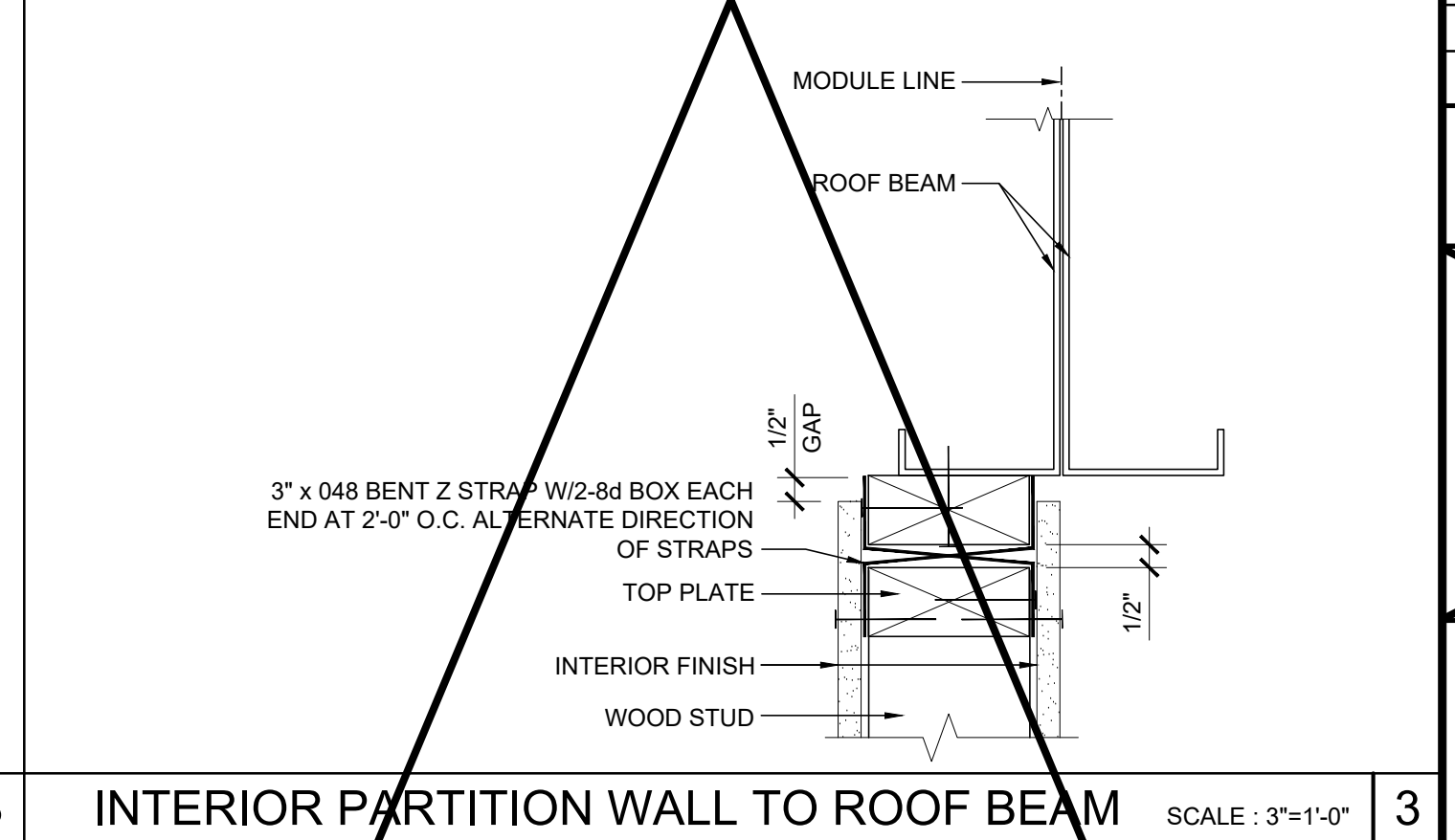
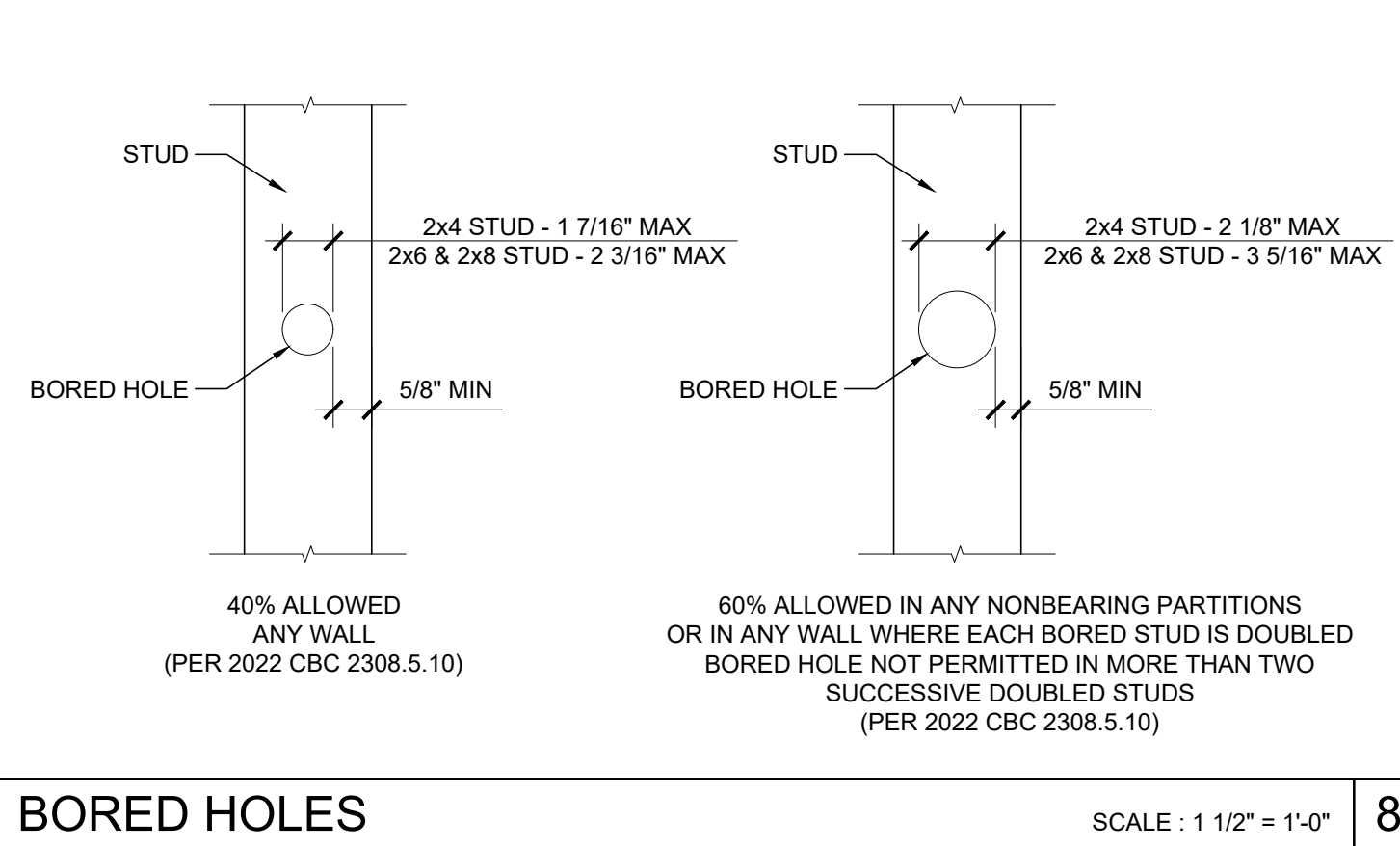
INTERIOR PARTITION SCALE: 3" = 1'-0" 14

CUTTING AND NOTCHING SCALE: 1 1/2" = 1'-0" 7

FULL HEIGHT INTERIOR PARTITION SCALE: 3" = 1'-0" 2

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER TYPE	OC	NUMBER	SIZE	LUMBER TYPE	OC	NUMBER	SIZE	LUMBER TYPE	OC
UP TO 10'-6"	3070	ANY	(1)	2X6	HF	#2	N/A				(1)	2X6	HF	#2
		ANY (OPT)	(1)	2X6	DF	#2	N/A				(1)	2X6	DF	#2
	4070	ANY	(1)	2X6	HF	#2	N/A				(1)	2X6	HF	#2
		ANY (OPT)	(1)	2X6	DF	#2	N/A				(1)	2X6	DF	#2
	6040	ANY	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		ANY (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
8040	ANY	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2	
	ANY (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2	

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER TYPE	OC	NUMBER	SIZE	LUMBER TYPE	OC	NUMBER	SIZE	LUMBER TYPE	OC
UP TO 10'-6"	3070	NO PLASTER	(1)	2X8	HF	#2	N/A				(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	N/A				(1)	2X8	DF	#2
	4070	NO PLASTER	(1)	2X8	HF	#2	N/A				(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	N/A				(1)	2X8	DF	#2
	6040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
8040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2	
	NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2	



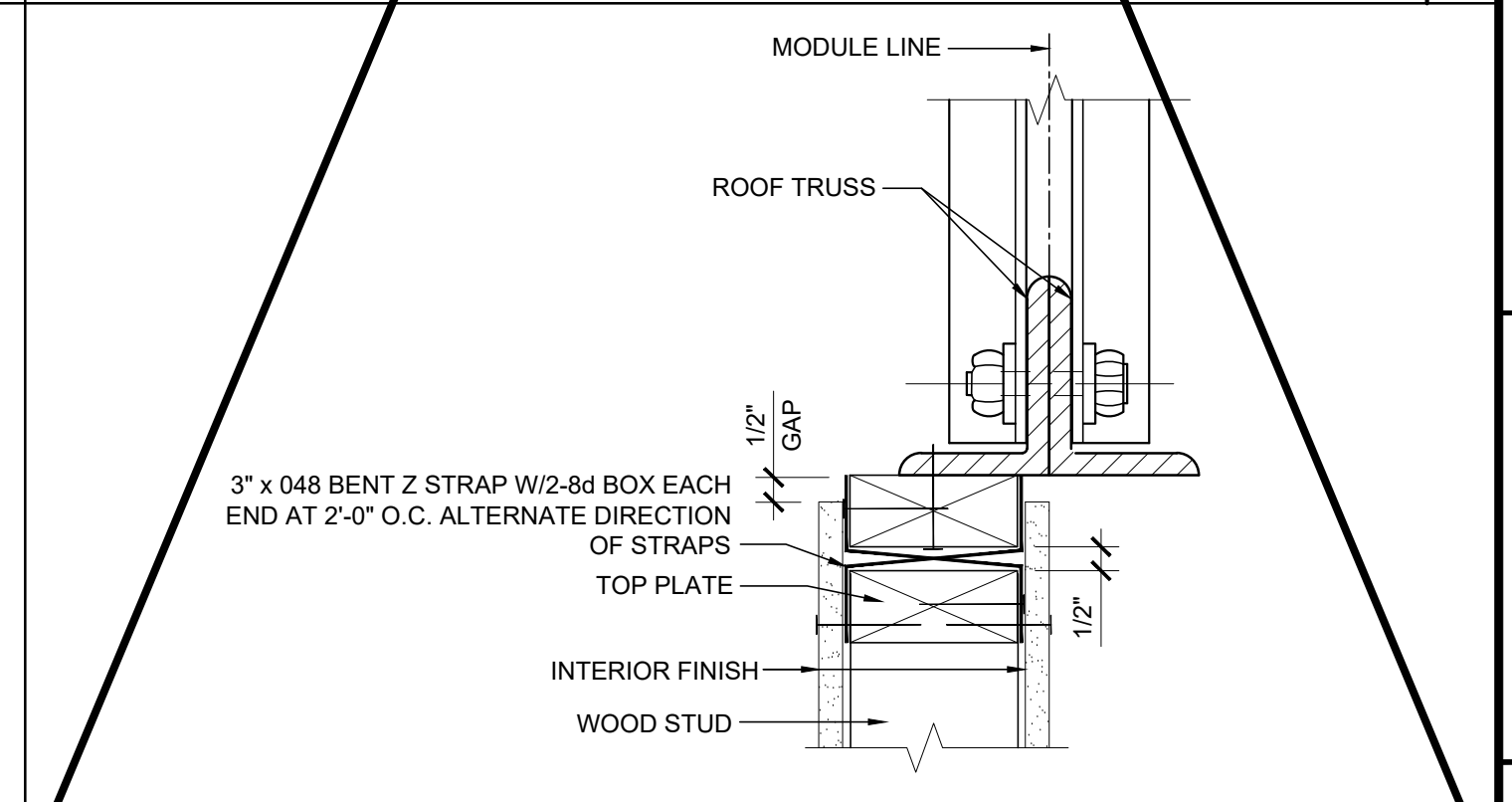
2x6 OPENING STUDS SCHEDULE 19

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING				4' CORNER OF WOOD WALL FRAMING (ZONE 5)					
		NUMBER	SIZE	LUMBER TYPE	OC	NUMBER	SIZE	LUMBER TYPE	OC		
UP TO 10'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
	W/ PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC

2x8 OPENING STUDS SCHEDULE 14

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING				4' CORNER OF WOOD WALL FRAMING (ZONE 5)					
		NUMBER	SIZE	LUMBER TYPE	OC	NUMBER	SIZE	LUMBER TYPE	OC		
UP TO 10'-6"	NO PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC

BORED HOLES SCALE: 1 1/2" = 1'-0" 8



2x6 WALL FRAMING SCHEDULE 20

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING				4' CORNER OF WOOD WALL FRAMING (ZONE 5)					
		NUMBER	SIZE	LUMBER TYPE	OC	NUMBER	SIZE	LUMBER TYPE	OC		
UP TO 10'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
	W/ PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC

2x8 WALL FRAMING SCHEDULE 15

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING				4' CORNER OF WOOD WALL FRAMING (ZONE 5)					
		NUMBER	SIZE	LUMBER TYPE	OC	NUMBER	SIZE	LUMBER TYPE	OC		
UP TO 10'-6"	NO PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC

NOT USED 9

INTERIOR PARTITION WALL TO ROOF TRUSS SCALE: 3" = 1'-0" 4

2x6 WALL FRAMING SCHEDULE 20

2x8 WALL FRAMING SCHEDULE 15

NOT USED 10

5

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122154 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL
THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.
ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc.

PROJECT NAME:
**SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS**

SHEET TITLE:
**WALL FRAMING
DETAILS
WOOD STUDS**

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
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FOR CONSTRUCTION IS REQUIRED

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DIV. OF THE STATE ARCHITECT
APP: 04-121999 INC.
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PC STATE AGENCY APPROVAL

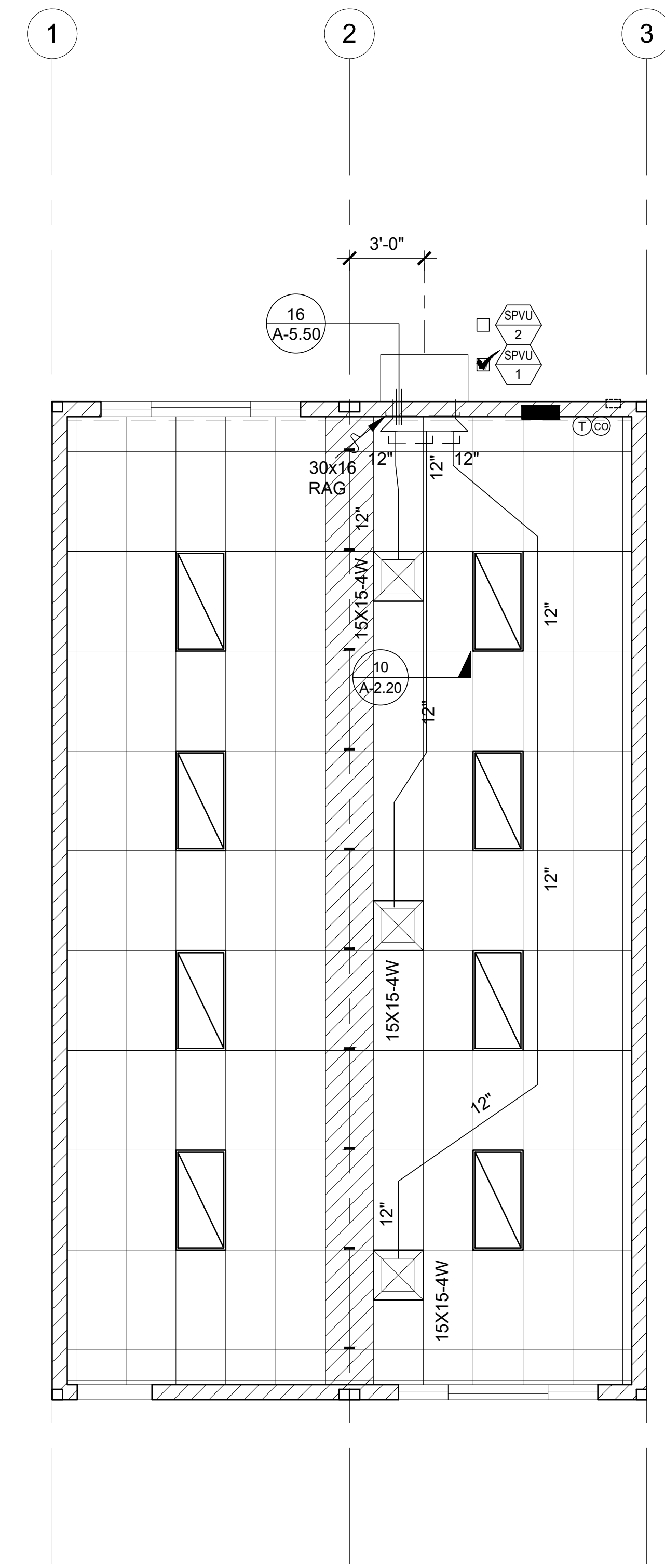
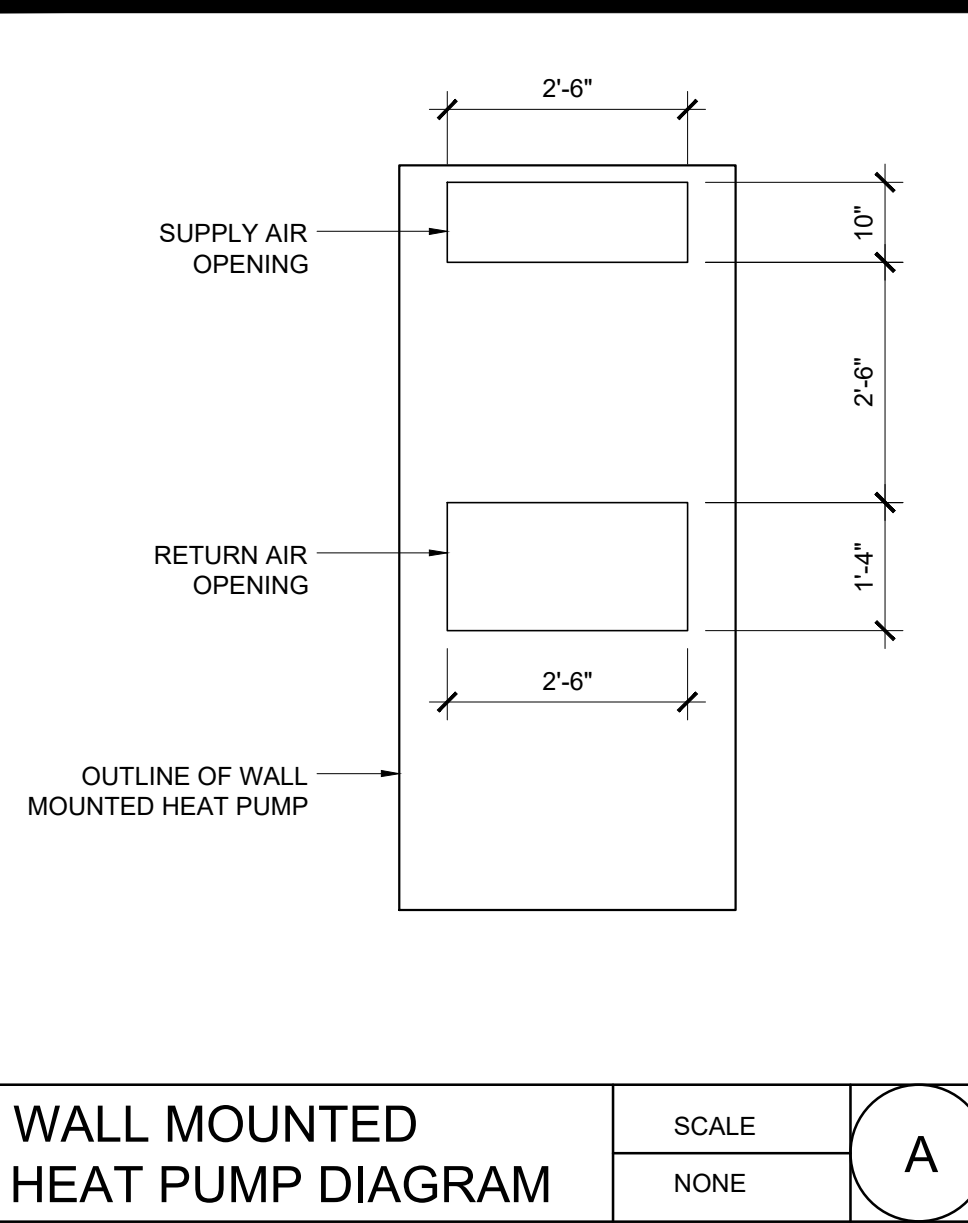


MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023
P.C. SHEET NUMBER

S-5.11



WALL MOUNTED MECHANICAL EQUIPMENT SCHEDULE

	SPVU-1	SPVU-2
HVAC Equipment Make and Model	BARB #W60HC-A00VN	BARB #T60S1-A00VN
Nominal Tonnage	5	5
BTUH:		
Heating	52,500	56,000
Cooling	54,500	52,000
Indoor/Blower Fan:		
BHP/Hp	0.75/0.75	0.75/0.75
CFM	1,750	1,650
Strip Heating	NA	NA
SEER	NA	11.0
EER	11.0	11.0
HSPF	NA	NA
COP	3.3	3.3
Voltage	230/208-1	230/208-1
MCA	42	42
MCOP	60	60
Wire Size (Pwr/ Grnd)	8 / 10	8 / 10
Thermostat:		
Make and Model	Venstar #T4900SCH	Venstar #T4900SCH
Setback	Yes	Yes
Heat Pumps	Yes	Yes
Shut-off and Reset:	Occupancy Sensor	Occupancy Sensor
Economizer:		
Make and Model	Integrated	Integrated
Controls	Fixed Dry Bulb	Fixed Dry Bulb
Fault Detection	Yes	Yes
Outside Air Damper Position	Varies	Varies
Demand Control Ventilation	Yes	Yes
Minimum DCV Outside Air in CFM	0.15 CFM / SF	0.15 CFM / SF
Minimum Designed Outside Air in CFM	See Below	See Below
Demand Shed Thermostat	NA	NA
Operating Weight	595 #	660 #

NOTES:

PROVIDE SET-BACK THERMOSTAT.

DESIGNED MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT

PROVIDE AN OCCUPANCY SENSOR WITH AN AUTOMATIC SHUT DOWN CONTROLS

PROVIDE 2" MERV 13 FILTER

AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.

AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE IS EQUAL TO THE INDICATED TONNAGE AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

PROVIDE A CO2 SENSOR WITH LCD DISPLAY (CARROER #B3ZCSP02LCD-01 or EQUAL) ADJACENT TO THE THERMOSTAT MOUNTED AT + 48" AFF.

PROVIDE A HONEYWELL JADE CONTROL SYSTEM (or EQUAL) CAPABLE OF OUTPUTTING FDD ALARMS TO THE THERMOSTAT PER ENERGY CODE SECTION 120.2(j).

ECONOMIZERS SHALL HAVE AN INTEGRATED BAROMETRIC DAMPER OR OTHER MEANS OF EXHAUSTING THE BUILDING WHEN THE SYSTEM IS DELIVERING 100% OUTSIDE AIR.

MECHANICAL EQUIPMENT SCHEDULE

NOTE:

THIS MECHANICAL SYSTEM SHALL PROVIDE A MINIMUM OUTSIDE AIR RATE OF 0.38 CFM / SF OR 15 CFM PER OCCUPANT, WHICHEVER IS GREATER. THE BUILDING MANUFACTURER SHALL VERIFY THE EXPECTED OCCUPANT LOAD WITH THE SCHOOL DISTRICT PRIOR TO SELECTION OF THE MECHANICAL EQUIPMENT. THE SELECTED EQUIPMENT SHALL BE CAPABLE OF MEETING THE OUTSIDE AIR REQUIREMENTS UNDER PEAK DESIGN CONDITIONS FOR THE CLIMATE ZONE IN WHICH THE BUILDING WILL BE LOCATED. AT THE TIME OF OCCUPANCY, THE BUILDING MANUFACTURER SHALL PROVIDE TO THE BUILDING OWNER A CALCULATION INDICATING THE VOLUMES OF OUTSIDE AIR AND OF RECIRCULATED AIR THAT THE VENTILATION SYSTEM HAS BEEN DESIGNED TO PROVIDE.

VENTILATION CALCULATIONS:

24' X 40' CLASSROOM

MINIMUM REQUIRED VENTILATION

ROOM AREA = 960 SF

REQUIRED VENTILATION RATE = 0.38 CFM / SF

REQUIRED OUTSIDE AIR VOLUME = 960 X 0.38 = 365 CFM

VENTILATION AS DESIGNED

BUILDING AREA = 960 SF

OCCUPANCY FOR EGRESS PURPOSES = 960 / 20 = 48 OCCUPANTS

EXPECTED # OF OCCUPANTS = 48 OCCUPANTS X 0.65 = 31 OCCUPANTS

REQUIRED VENTILATION RATE = 15 CFM / OCCUPANT

REQUIRED OUTSIDE AIR VOLUME = 31 X 15 = 465 CFM

NOTE:

THE DEMAND CONTROL VENTILATION SYSTEM SHALL NOT BE REQUIRED TO PROVIDE THE OUTSIDE AIR IN EXCESS OF THE DESIGNED VOLUME INDICATED ABOVE. THE DEMAND CONTROL VENTILATION SYSTEM SHALL NOT REDUCE THE OUTSIDE AIR TO LESS THAN 25% OF THE DESIGNED VOLUME INDICATED ABOVE.

NOTE:

BUILDING MANUFACTURER SHALL LEAVE FOR THE BUILDING OWNER, AT OCCUPANCY, OPERATING INFORMATION FOR ALL APPLICABLE MECHANICAL AND ELECTRICAL FEATURES, MATERIALS, COMPONENTS, AND DEVICES INSTALLED IN THE BUILDING RELATED TO EFFICIENT ENERGY USE. IN ADDITION, THE BUILDING MANUFACTURER SHALL LEAVE MAINTENANCE INFORMATION FOR ALL FEATURES, MATERIALS, COMPONENTS, AND MANUFACTURED DEVICES THAT REQUIRE ROUTINE MAINTENANCE FOR EFFICIENT OPERATION OF THE MECHANICAL AND LIGHTING SYSTEMS.

NOTE:

THE OCCUPANCY SENSOR USED TO CONTROL THE HVAC EQUIPMENT SHALL BE SEPARATE FROM THE OCCUPANCY SENSOR USED TO CONTROL THE LIGHTING SYSTEM. THIS SENSOR MAY BE INTEGRATED INTO THE THERMOSTAT OR MAY BE A SEPARATE DEVICE.

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PROJECT NAME:

**SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS**

SHEET TITLE:

**MECHANICAL PLAN
WALL MOUNT
24' x 40'**

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
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PC STATE AGENCY APPROVAL

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

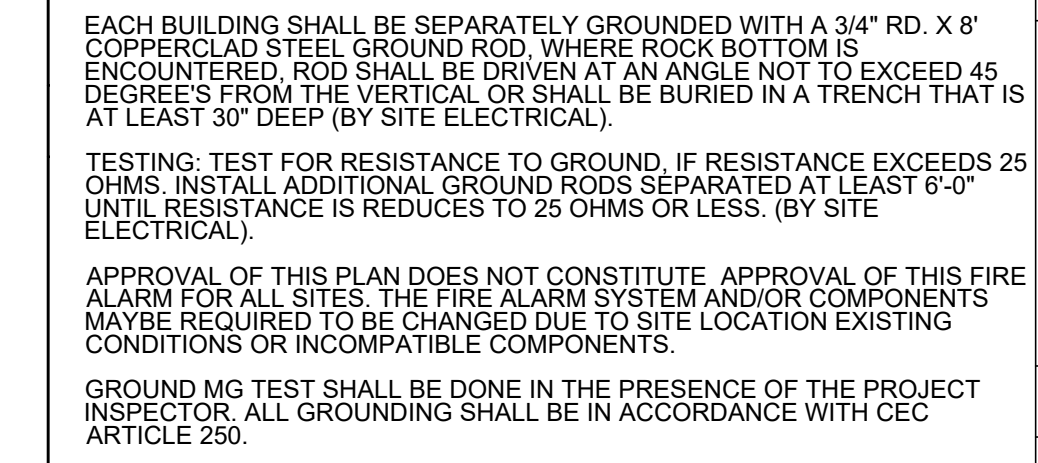
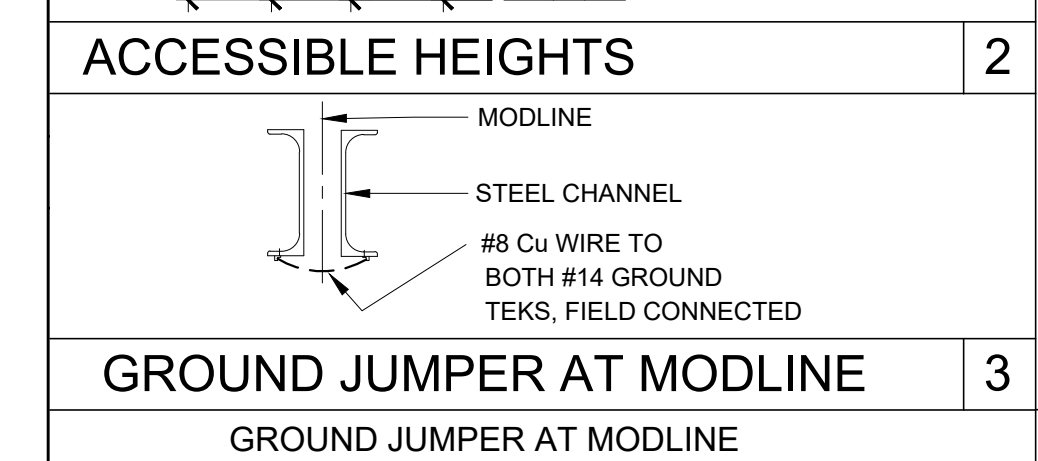
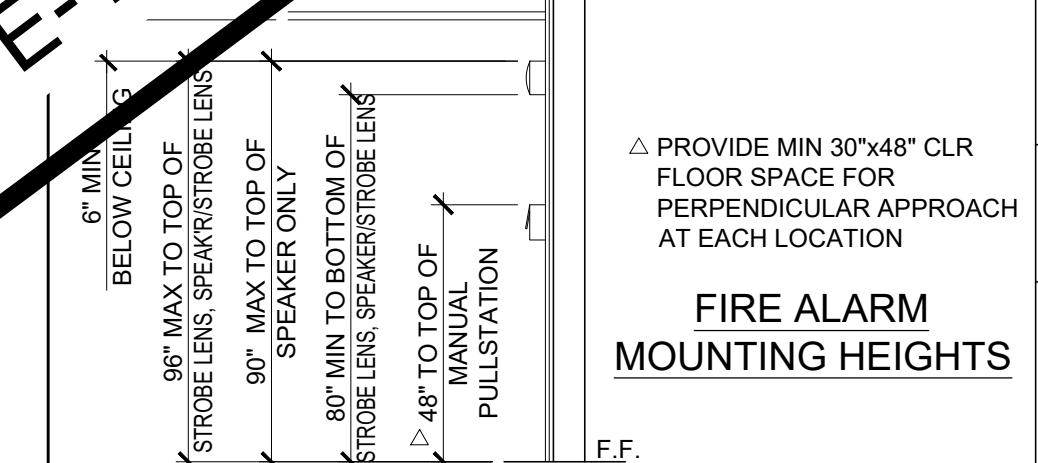
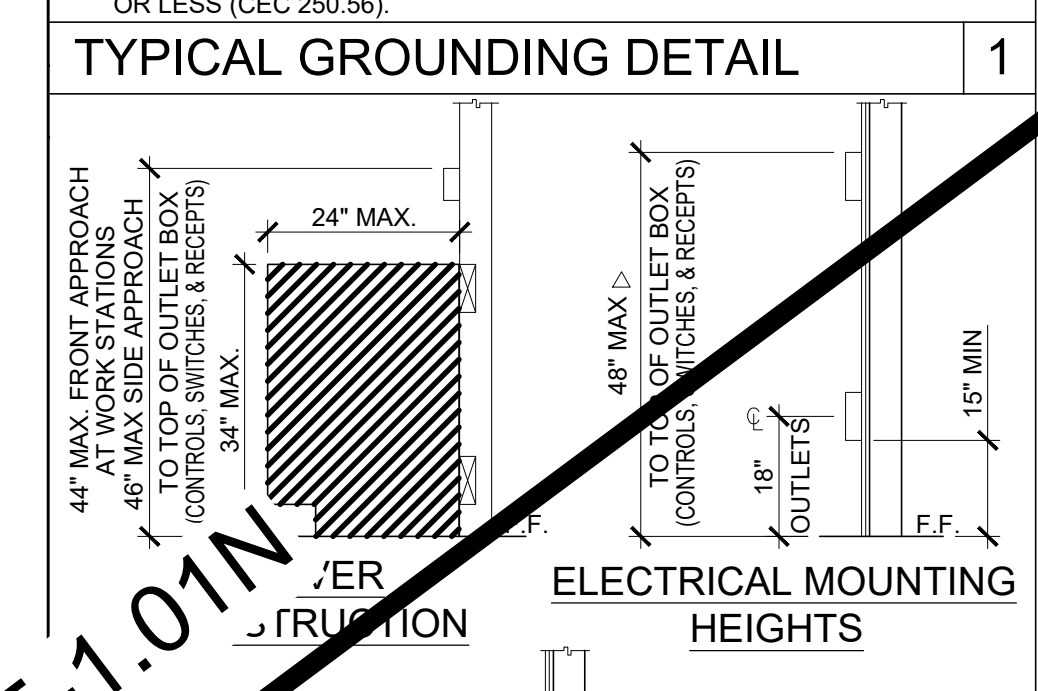
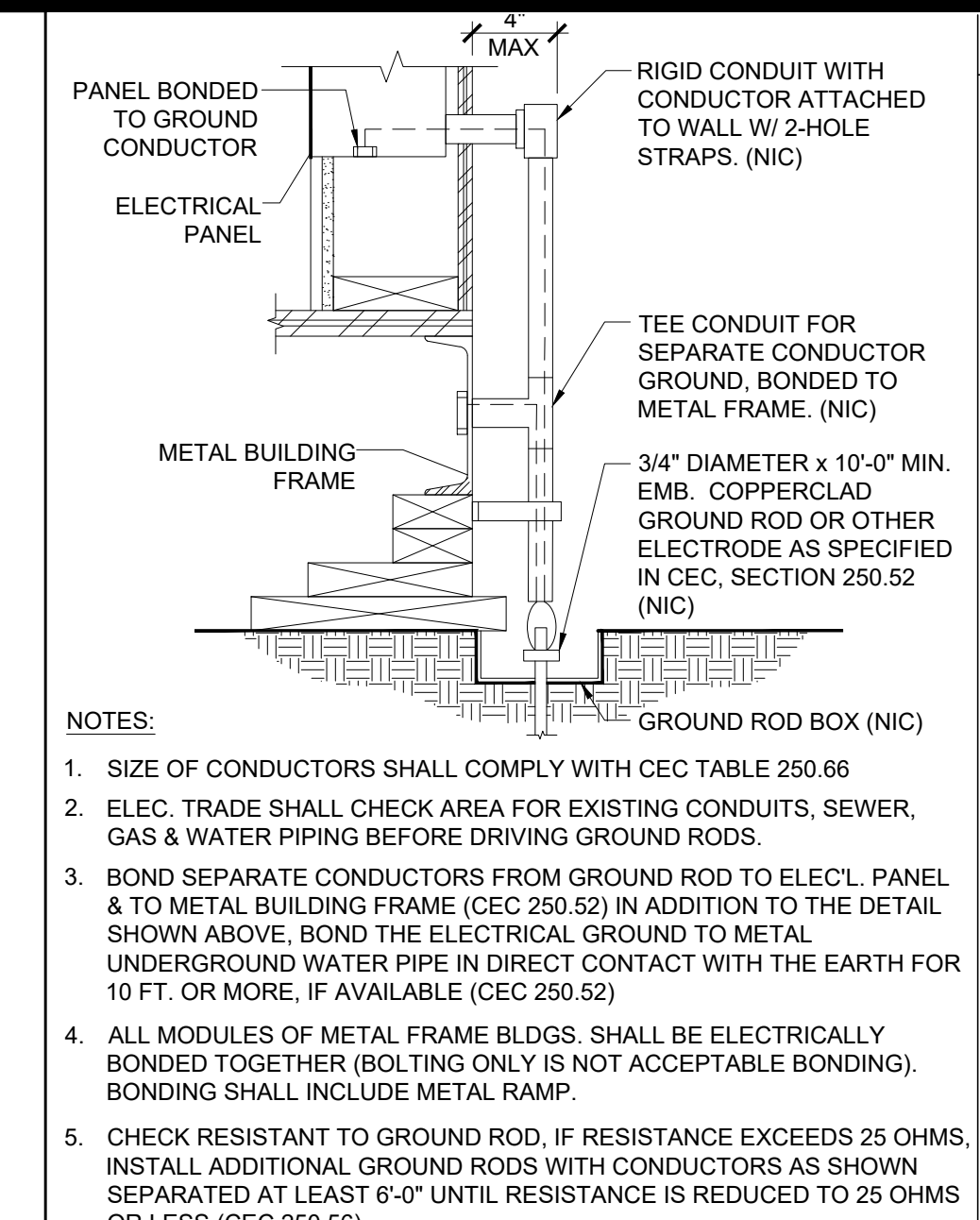
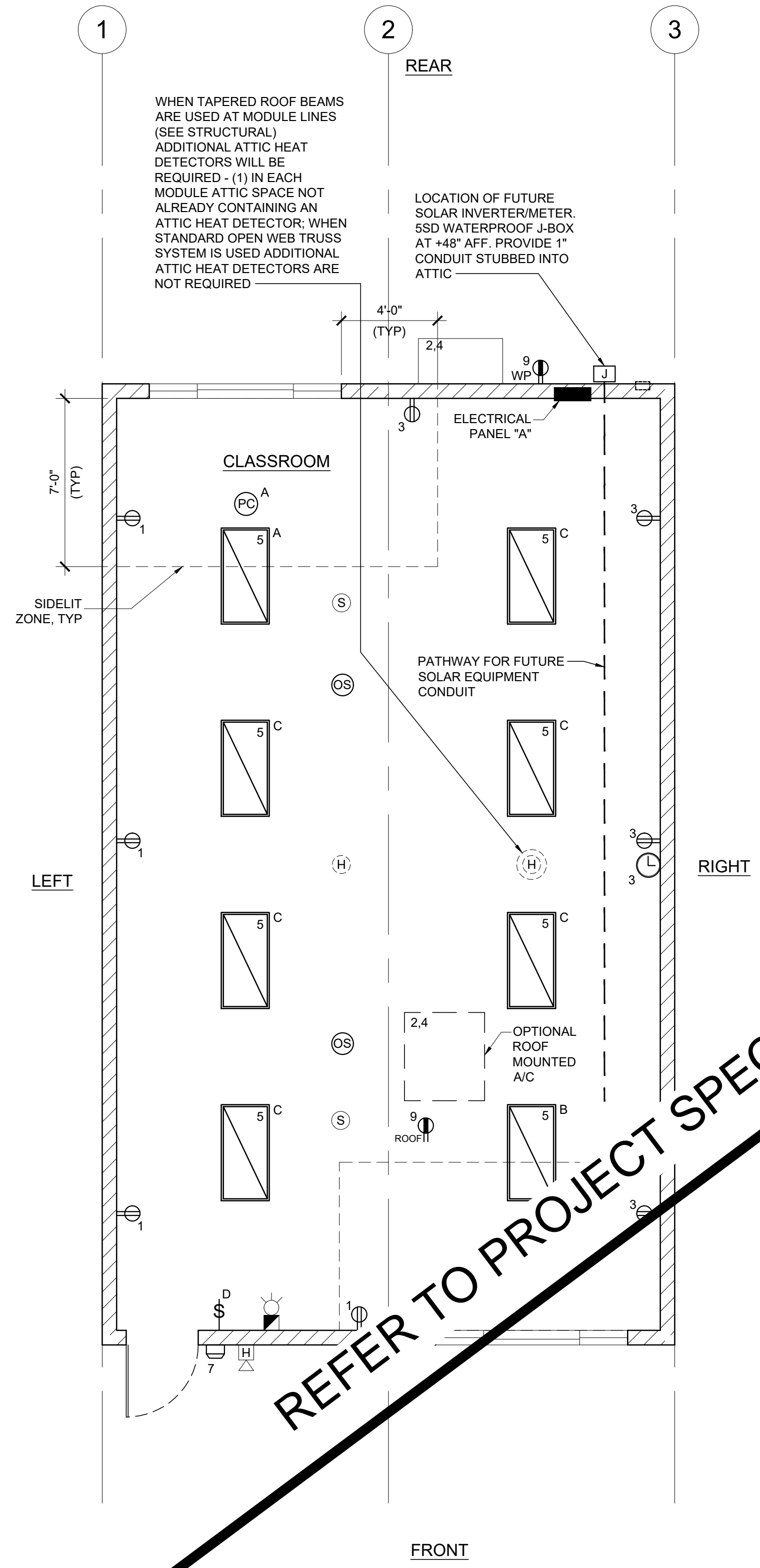
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

M-1.01



FIRE ALARM NOTES

- SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES PROVIDED AND INTERCONNECTED BY OTHERS TO FIRE ALARM SYSTEM
- PROVIDE DEDICATED FIRE ALARM 120 VOLT CIRCUIT CONNECTED TO LOCKED-ON BREAKER. THE CIRCUIT BREAKER SHALL BE LOCKED-ON WITH APPROVED LOCKING DEVICE, MARKED RED AND IDENTIFIED AS "FIRE ALARM CONTROL CIRCUIT". NFPA 72 SECTION 10.6.5.2

MEP COMPONENT 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 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE 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 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 200 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 SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 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. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., OSHPD OPA FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

MP MD PP E OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

LIGHTING CONTROL SYSTEM SEQUENCE OF OPERATIONS

THE LIGHTING CONTROL SYSTEM BASIS OF DESIGN SHALL BE THE LUTRON VIVE WIRELESS LIGHTING CONTROL SYSTEM. THE SYSTEM SHALL BE CAPABLE OF PROVIDING MANUAL CONTROL, OCCUPANCY SENSING CONTROL AND DAYLIGHT HARVESTING CONTROL.

SEQUENCE:

OCCUPANT ENTERS:
ALL LIGHTS AUTOMATICALLY TURN ON TO 50% LIGHT LEVEL. OCCUPANT MAY INCREASE LIGHTS TO MAXIMUM LEVEL MANUALLY WITH WALL CONTROL.
WHEN OCCUPIED:
LIGHTING IN DAYLIT ZONES AUTOMATICALLY DIM/BRIGHTEN BASED ON DAYLIGHT AVAILABILITY.
OCCUPANT MAY MANUALLY DIM/BRIGHTEN THE LIGHTS WITH WALL CONTROL.
OCCUPANT EXITS:
ALL LIGHTS AUTOMATICALLY TURN OFF 15 MINUTES AFTER VACANCY.

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

WIRE SIZE	CAPACITY	NO. OF CONDUCTOR PERMITTED			
		1/2" C	3/4" C	1" C	1 1/4" C
#12	20A	THHN 9	16	25	45
#10	30A	THHN 5	10	16	28
#8	45A	THHN 2	5	8	14
#6	65A	THHN 1	3	5	10
#4	85A	THHN 1	2	4	7

JUNCTION BOX SIZE TABLE

BOX SIZE	CU. IN.	MAX NO. OF CONDUCTORS			
		#12	#10	#8	#6
4SS 1 1/4" x 4" SQ	18.0	8	7	6	0
4S 1 1/2" x 4" SQ	21.0	9	8	7	0
4SD 2 1/8" x 4" SQ	30.3	13	12	10	6
4SX 2 7/8" x 4" SQ	43.5	23	21	17	10
5SD 2 1/8" x 4-11/16" SQ	42.0	18	16	14	6
5SX 3 7/8" x 4-11/16" SQ	86.0	38	34	28	17
664 4" x 6" SQ	144.0	64	57	48	28

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

LEGEND

- 2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE WITH DIMMING WATTAGE: 51 WATTS (MAX), 5000L (MIN)
- WALL MOUNTED HVAC UNIT. SEE MECHANICAL DWGS
- ROOF MOUNTED HVAC UNIT-SEE MECHANICAL DWGS
- ELECTRICAL PANEL AT +60" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT (U.N.O.)
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED PHOTOCELL
- ULTRASONIC CEILING OCCUPANCY SENSOR. SENSOR TO BE CONNECTED TO KEYPAD LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/ PARTITIONS.
- SINGLE SWITCH WALL OCCUPANCY SENSOR. WATTSOPPER PW-100 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF
- DIMMER SWITCH, AT +48" AFF. TO TOP OF OUTLET BOX
- LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- 3-WAY LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- KEYPAD SWITCH MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- DUPLEX (WALL MOUNTED) RECEPTACLE 15A - 125V - 3 WIRE. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF DEVICE
- EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24" AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)
- GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS
- ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE
- EXTERIOR LED LIGHT FIXTURE W/ 90 MIN. EMERGENCY BATTERY BACKUP WHEN 'EM' IS DESIGNATED NEXT TO FIXTURE W/ PHOTOCELL W/ 30W MAX. MOUNT AT +93" AFF
- CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE
- EXIT SIGN WITH 90 MIN. BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS. CLASSROOMS WITH ONE EXTERIOR DOOR - OPTIONAL
- 4SD J-BOX FOR FIRE ALARM PULL STATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF OUTLET BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULL STRING
- 4SD J-BOX FOR FIRE ALARM STROBE OR VOICE EVAC SPEAKER (DEVICE BY OTHERS). BOTTOM OF LENS SHALL BE BETWEEN 80" AND 96" AFF AND WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULL STRING
- 4SD J-BOX FOR EXTERIOR FIRE ALARM SPEAKER (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULL STRING
- RECESSED 4SD J-BOX W/ COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULL STRING
- 4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS). MAXIMUM 21'-0" FROM ANY POINT IN ROOM AND 30'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- 4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS). MAXIMUM 35'-0" FROM ANY POINT IN ATTIC AND 50'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- 4SD J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE. HARD WIRE TO UNIT
- 100 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH
- 300 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH
- 2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE WITH DIMMING WATTAGE: 51 WATTS (MAX), 5000L (MIN) EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE. THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES. ANY LIGHT FIXTURE EQUIPPED WITH A BATTERY PACK SHALL BE WIRE IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE. ADDITIONALLY THE BATTERY PACK SHALL BE OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.
- WALL MOUNTED LIGHT FIXTURE, 30 WATTS
- 4SD J-BOX FOR FUTURE DATA W/ SINGLE GANG RING W/ 1" CO STUB INTO ATTIC AND PULL STRING
- DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER FLOW SWITCH.
- DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER TAMPER SWITCH.
- DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER BELL.

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PROJECT NAME:
**SYLVAN USD
CROSSROADS E.S.
(2) 24' x 40'
CLASSROOM BUILDINGS**

SHEET TITLE:
**ELECTRICAL PLAN
AND SCHEDULE
24' x 40'**

REVISIONS

1	
2	
3	
4	

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PC STATE AGENCY APPROVAL

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023
P.C. SHEET NUMBER

E-1.01

ELECTRICAL PANEL

VOLTS: 120/208 V
MAIN: 100 A

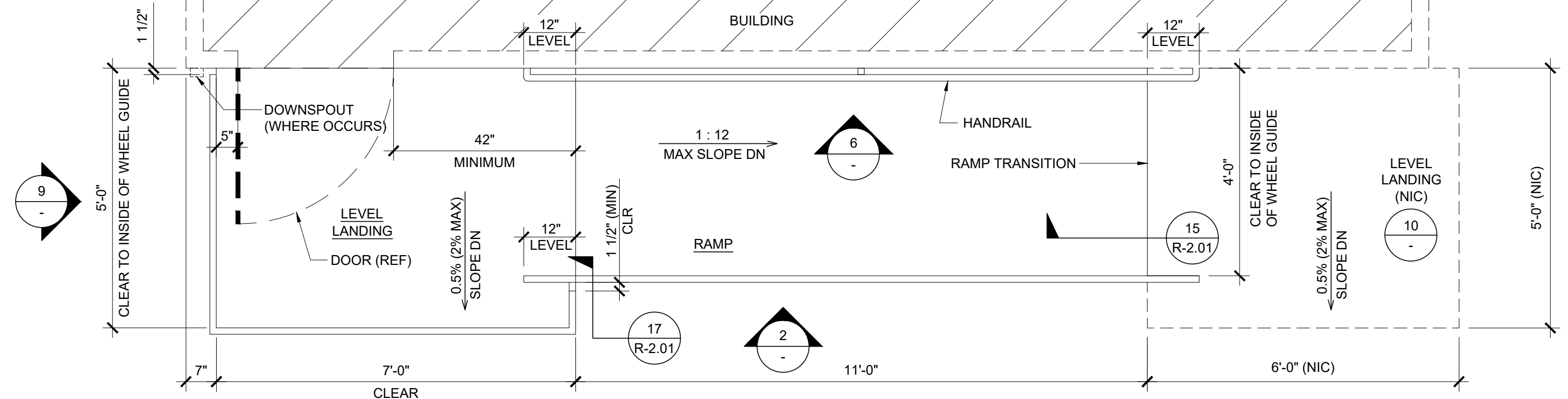
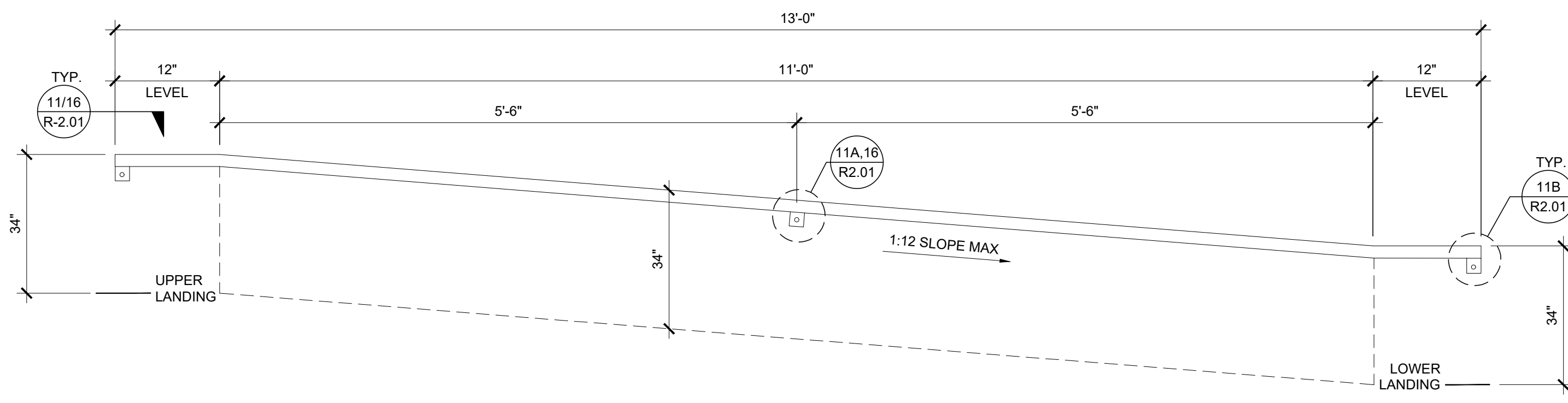
LOAD	QTY	WATTS		BREAKER	Amps	P	Circuit	LOAD	QTY	WATTS	
		Aφ	Bφ							Aφ	Bφ
RECEPTACLES	4	720	20	1	1		1	HVAC - WALL MOUNT	1		
RECEPTACLES/CLOCK	5	900	20	1	3		4			4830	
INTERIOR LIGHTING	8	960	20	1	5		6				
EXTERIOR LIGHTING	1	40	20	1	7		8				
WALL RECEPTACLE (GFI)	1	180	20	1	9		10				
DED - SOLAR READY					11		11	FIRE ALARM CONTROL PANEL (FIRE ALARM NOTE #2)		40	
DED - SOLAR READY					13		14				
A = 1890 WATTS / PHASE		1860	940					B = 5810 WATTS / PHASE			
TOTAL = 12,500 WATTS		61	AMPS	120/208	VOLTS	1 φ		3 WIRE			

ELECTRICAL PANEL

VOLTS: 120/208 V
MAIN: 100 A

LOAD	QTY	WATTS		BREAKER	Amps	P	Circuit	LOAD	QTY	WATTS	
		Aφ	Bφ							Aφ	Bφ
RECEPTACLES	4	720	20	1	1		2	HVAC - ROOF MOUNT	1		
RECEPTACLES/CLOCK	5	900	20	1	3		4			4542	
INTERIOR LIGHTING	8	960	20	1	5		6				
EXTERIOR LIGHTING	1	40	20	1	7		8				
ROOF RECEPTACLE (GFI)	1	180	20	1	9		10				
DED - SOLAR READY					11		11	FIRE ALARM CONTROL PANEL (FIRE ALARM NOTE #2)		40	
DED - SOLAR READY					13		14				
A = 6402 WATTS / PHASE		1860	940					B = 5522 WATTS / PHASE			
TOTAL = 11,924 WATTS		57	AMPS	120/208	VOLTS	1 φ		3 WIRE			

NOTE: PROVIDE A MINIMUM OF 72 SF SOLAR READY AREA PER MODULE. AREA TO BE A MINIMUM OF 5' IN ANY DIRECTION WITH A MINIMUM SPACE OF 80 SF PER BUILDING.



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 DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.

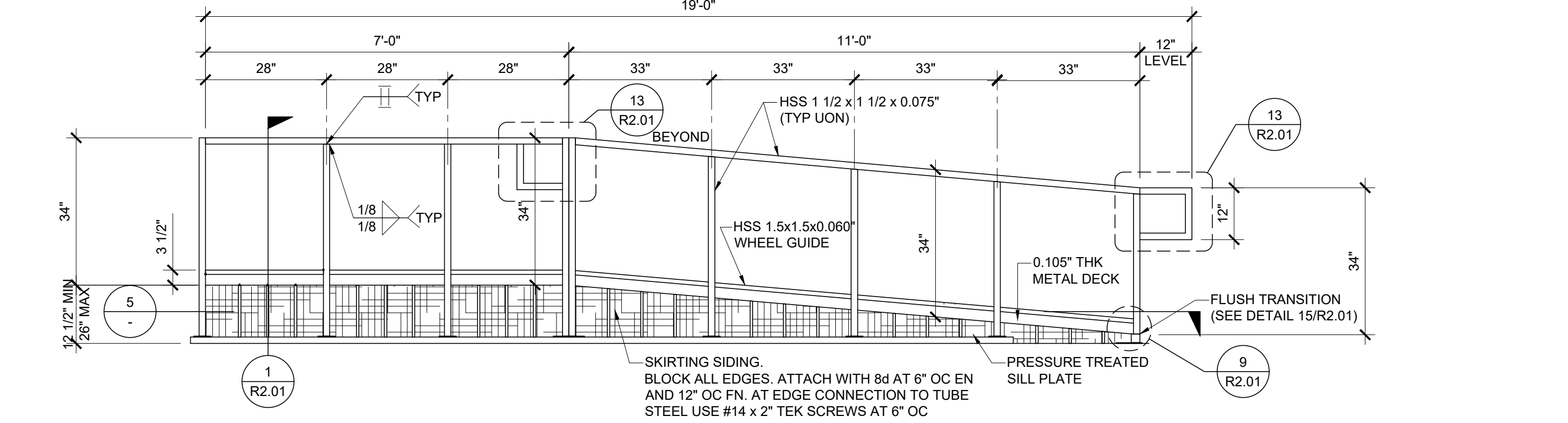
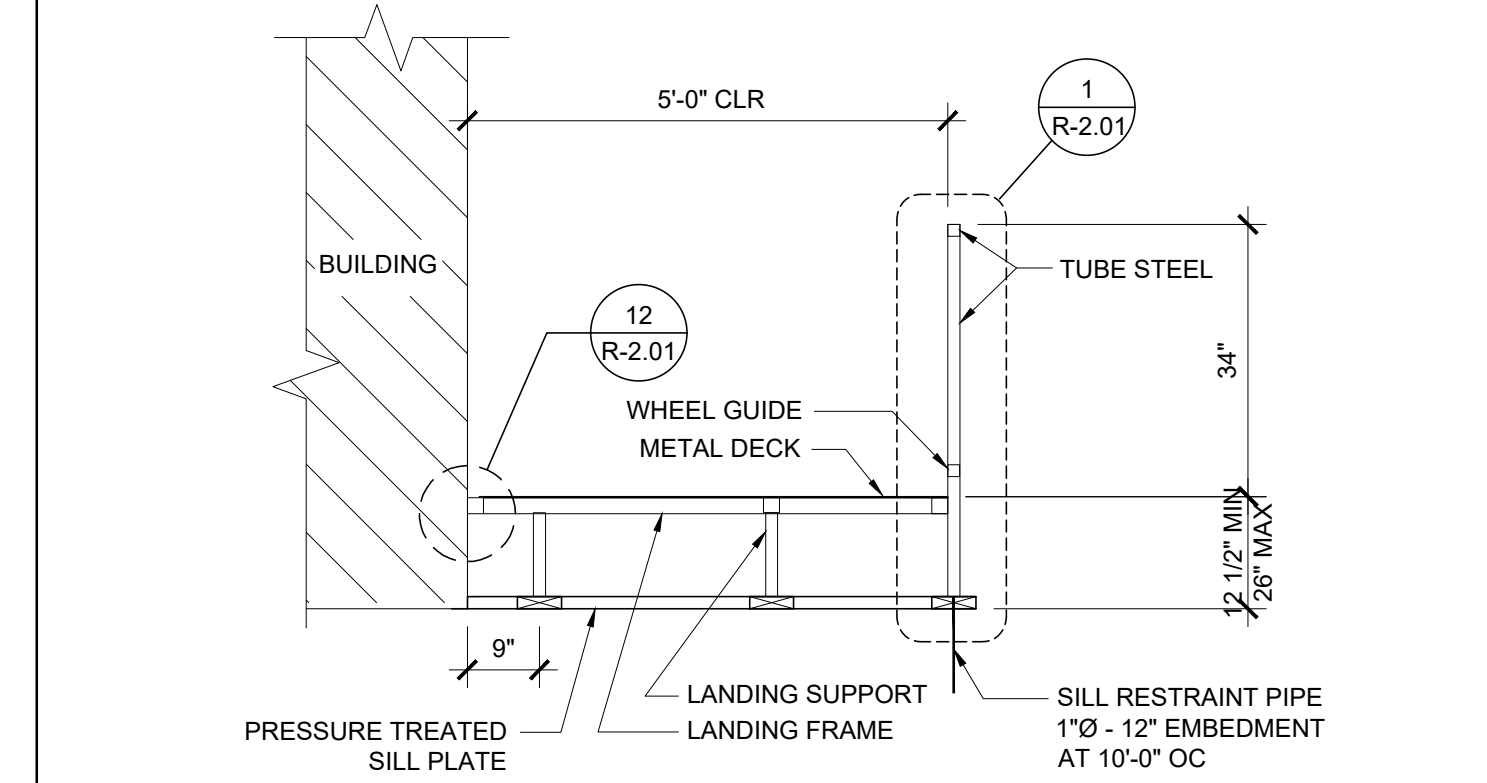
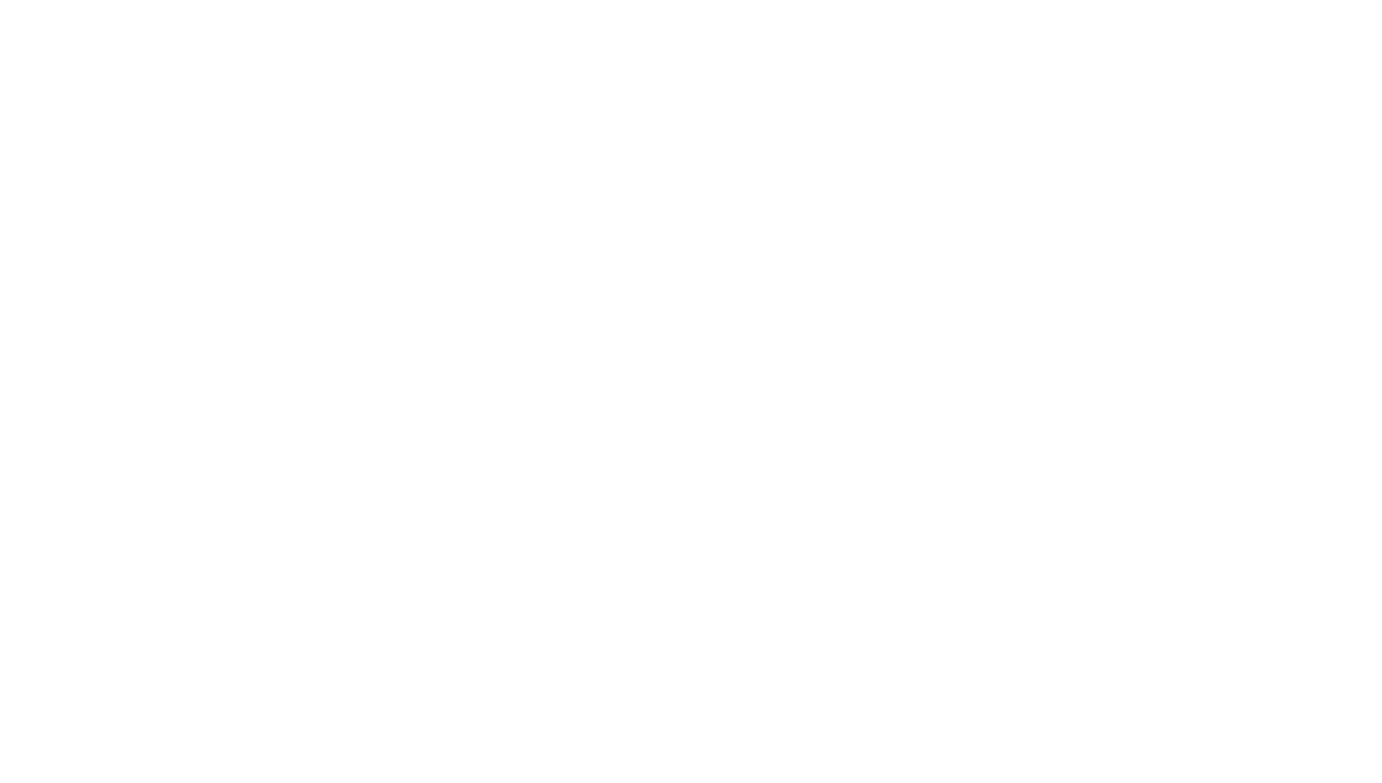
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HANDRAIL ATTACHMENT TO BUILDING

SCALE: 1" = 1'-0" 6

RAMP AND LANDING AT BUILDING

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



PROJECT NAME:
**SYLVAN USD
 CROSSROADS E.S.
 (2) 24' x 40'
 CLASSROOM BUILDINGS**

SHEET TITLE:
RAMP LANDING

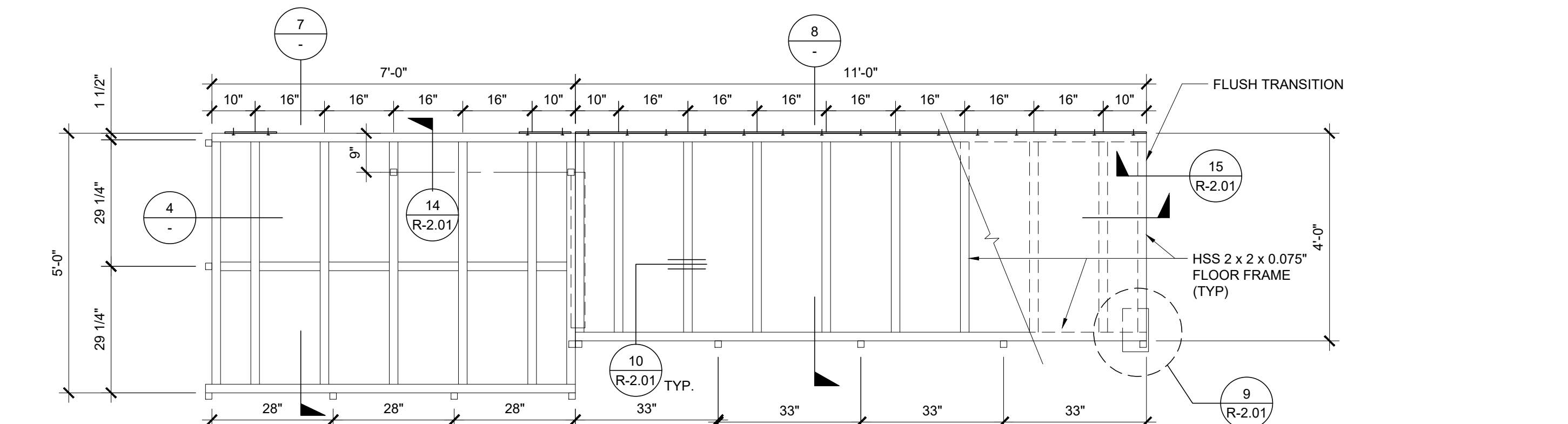
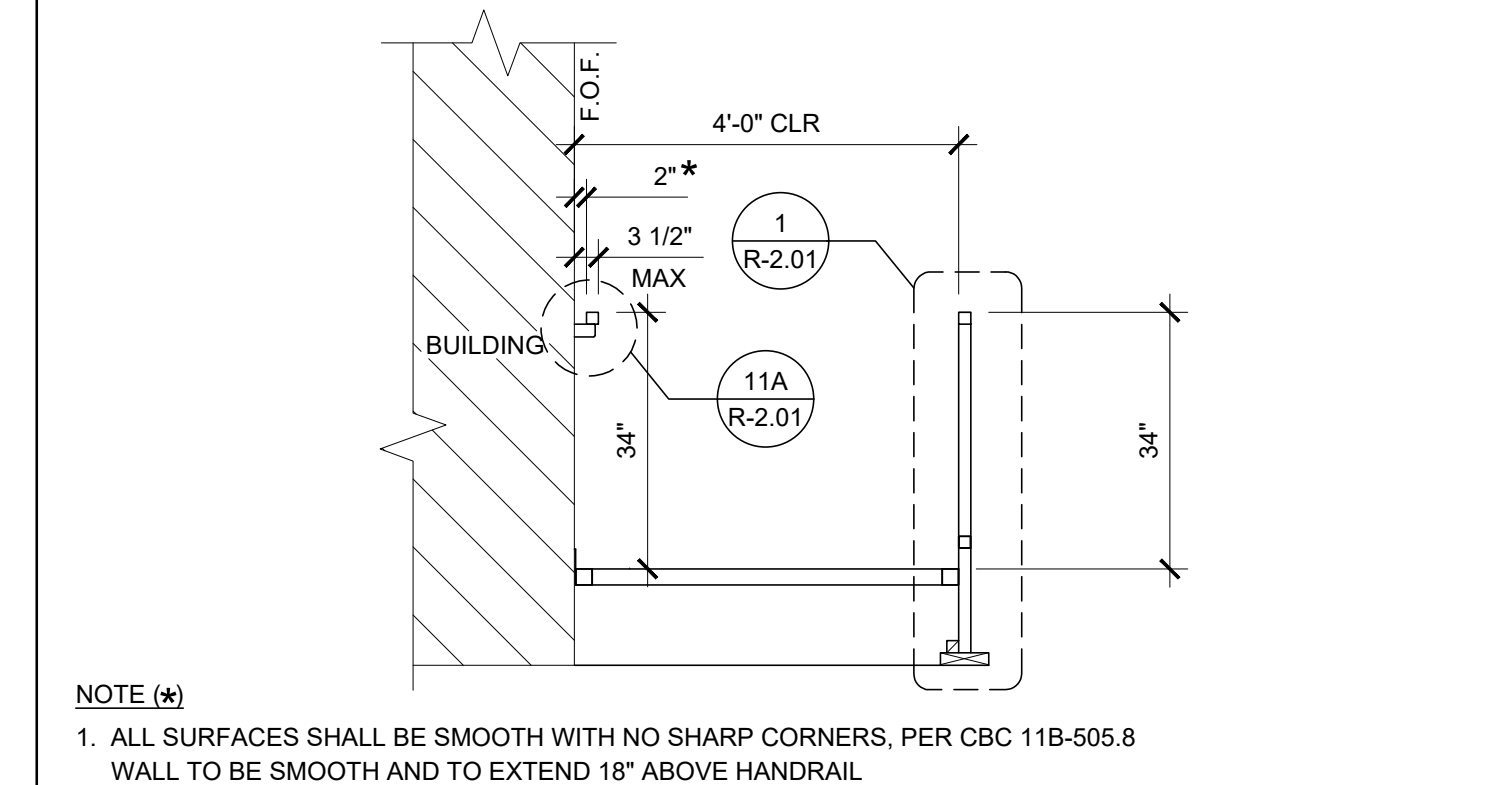
REVISIONS

11 SECTION AT LANDING

SCALE: 1/2" = 1'-0" 7

RAMP AND LANDING ELEVATION

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



PRE-CHECK (PC) DOCUMENT
 CODE: 2022 CBC
 A SEPARATE PROJECT APPLICATION
 FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 04-121999 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 08/31/2023

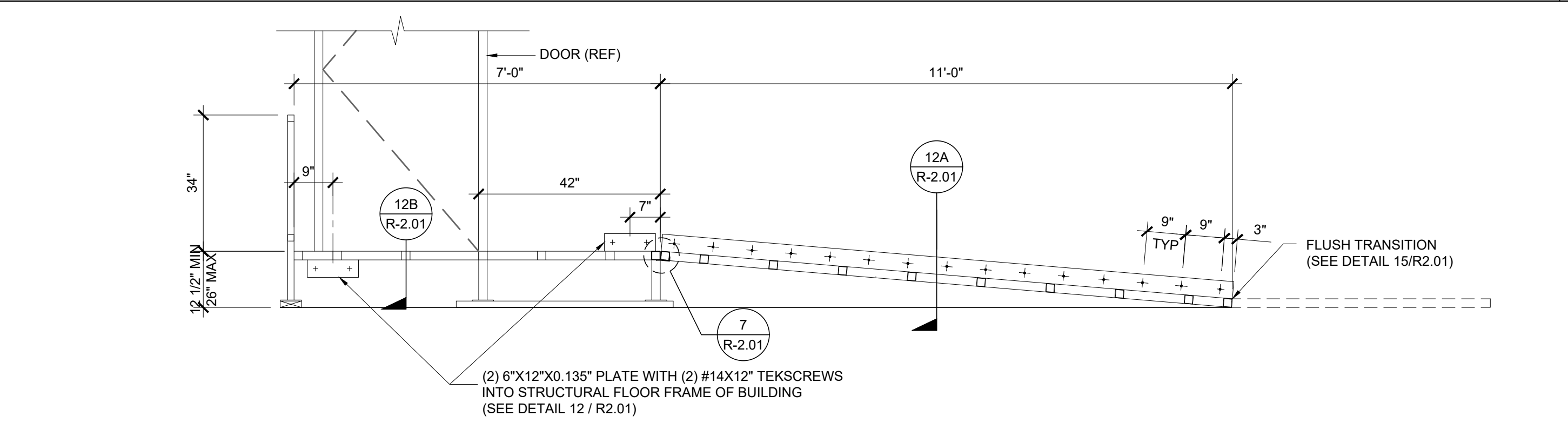
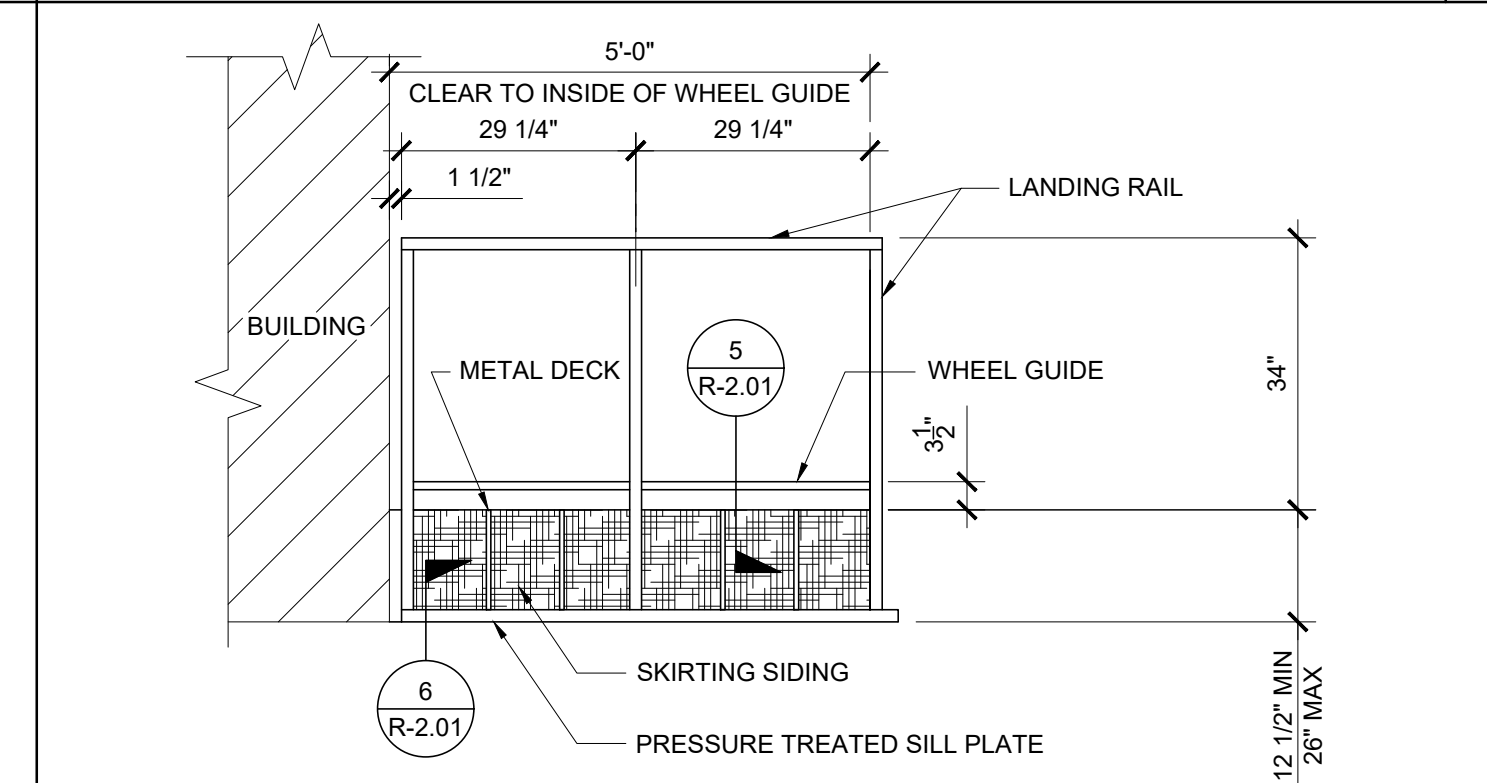
PC STATE AGENCY APPROVAL

12 SECTION AT RAMP

SCALE: 1/2" = 1'-0" 8

RAMP FRAMING PLAN

SCALE: 1/2" = 1'-0" 3



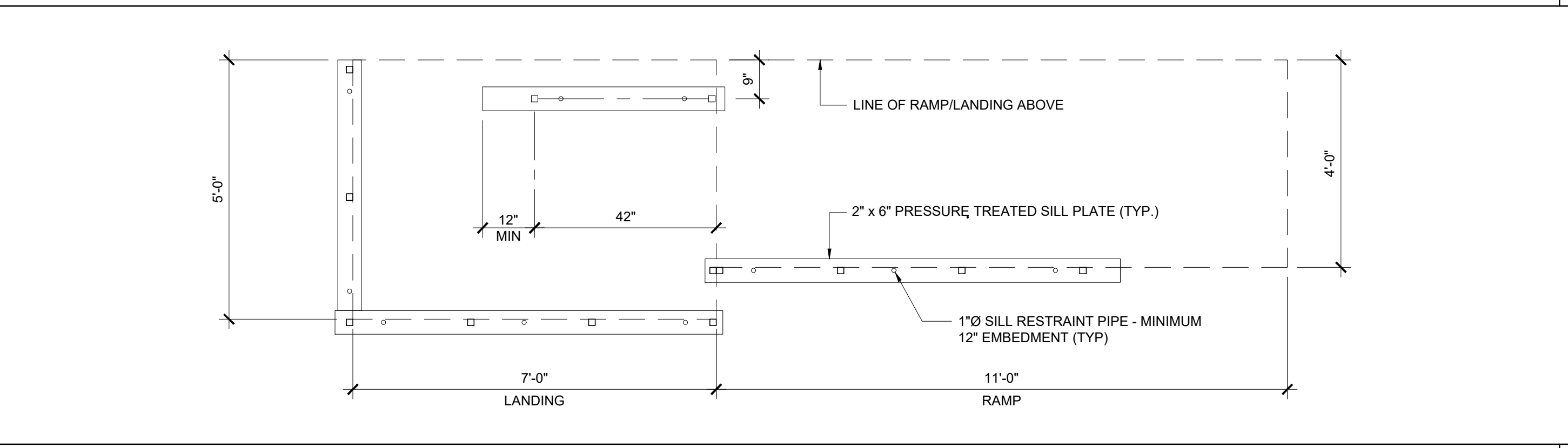
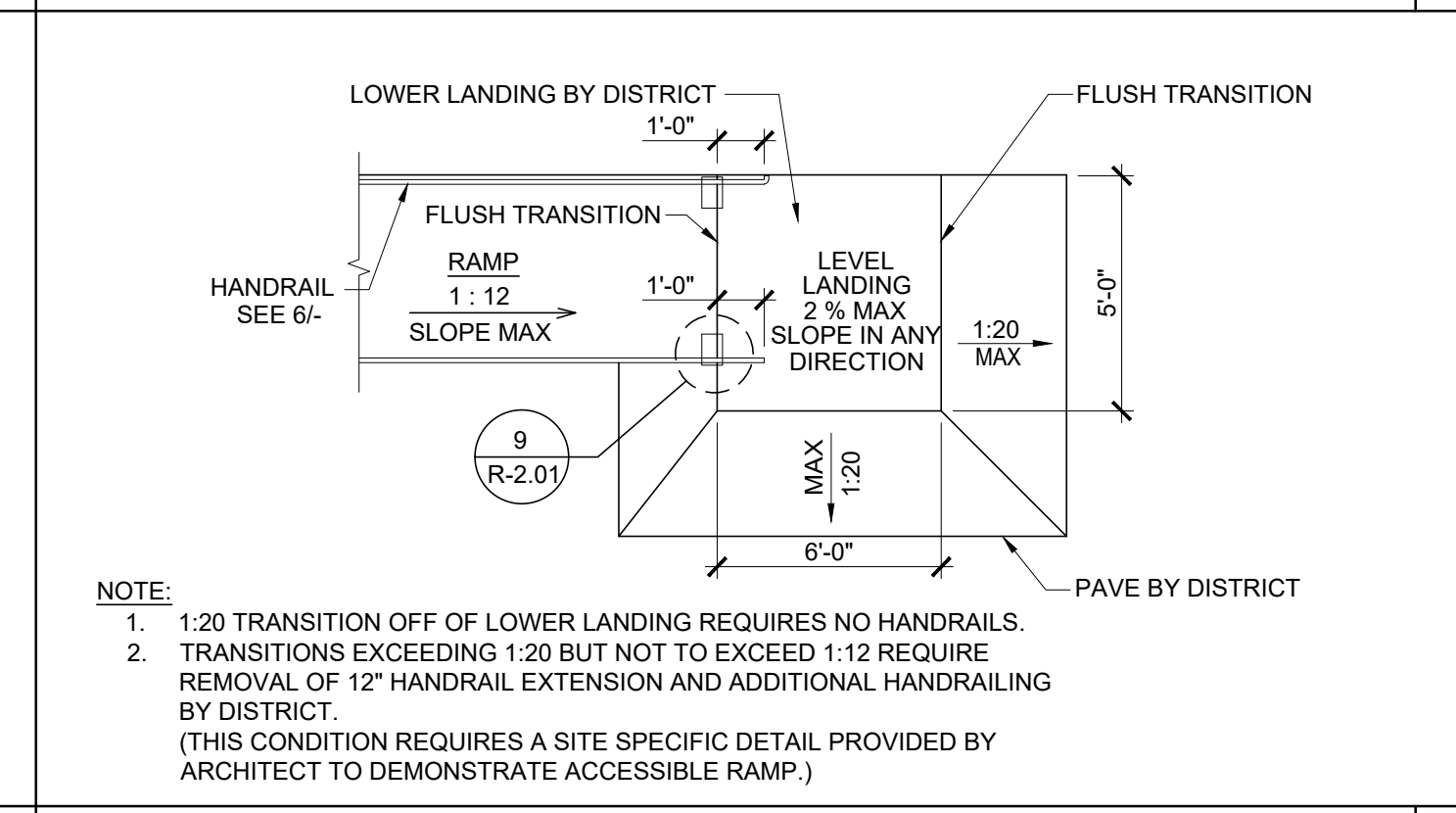
Silver Creek
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

13 LANDING ELEVATION

SCALE: 1/2" = 1'-0" 9

SECTION AT RAMP AND LANDING

SCALE: 1/2" = 1'-0" 4



MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
 24' x 40' PC

PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 02-27-2023
 P.C. SHEET NUMBER

14 RAMP TRANSITION

SCALE: NTS 10

SILL PLAN FOR RAMP AND LANDING

SCALE: 1/2" = 1'-0" 5

R-1.01

