

10 VICINITY MAP

- 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.
- 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.
- PROSPECTIVE SUBCONTRACTOR SHALL SECURE ALL DATA AT THE SITE OF THE PROPOSED CONST. SUCH AS GRADES OF LOT, CONVENIENCE OF RECEIVING 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- NOTHING CONTAINED HEREON SHALL BE CONSTRUED TO VIOLATE ANY APPLICABLE REGULATIONS.
- 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.
- 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.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS PROVIDED ON THESE AND ALL DRAWINGS CONCUR WITH THE EXISTING CONDITIONS. DIMENSIONS SHALL BE REPORTED TO THE ARCHITECT/ENGINEER OF RECORD AND RESOLVED PRIOR TO FURTHER CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SAFE CONST. PROCEDURES AT THE SITE AT ALL TIME.
- 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.
- 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.
- CONTRACTOR MAY RESERVE THE RIGHT TO SUBSTITUTE CALLED OUT NAME BRAND ITEMS WITH OTHERS OF EQUAL VALUE / QUALITY W/ PRIOR APPROVAL FROM ARCHITECT.
- CONSTRUCTION AND DEMO. SHALL COMPLY WITH CFC 33 - FIRE LIFE SAFETY DURING CONSTRUCTION AND DEMO.
- 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.
- 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
- A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- 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, DETAILING 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.)
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCE
- 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.
- ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS.
- SUBSTITUTIONS AFFECTING DSA-REGULATED ITEMS SHALL BE CONSIDERED AS CONSTRUCTION CHANGE DOCUMENTS (CCD) AND SHALL BE APPROVED PRIOR TO FABRICATION + INSTALLATION PER DSA IR A-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: 12-31-25

# SYLVAN UNION SCHOOL DISTRICT

## (2) NEW PORTABLE CLASSROOMS

### SOMERSET MIDDLE SCHOOL

1037 FLOYD AVE, MODESTO, CA 95350

PROJECT TITLE

PARTIAL LIST OF APPLICABLE CODES:	
A. 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.	MECH. MECHANICAL
B. 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2021 INTERNATIONAL BUILDING CODE AND 2022 CALIFORNIA AMENDMENTS)	MISC. MISCELLANEOUS
C. 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)	MFR. MANUFACTURER
D. 2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (2021 UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)	MTL. METAL
E. 2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2021 UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)	(N) NEW
F. 2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.	OH. NOT TO SCALE
G. 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2021 INTERNATIONAL FIRE CODE 2022 CALIFORNIA AMENDMENTS)	OC. ON CENTER
H. 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, (CAL GREEN) PART II, TITLE 24 C.C.R.	OD. OUTSIDE DIMENSION
J. 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS	OV. OVER
K. AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (ADAAG)	OPF. OPPOSITE
	PAF. POWDER ACTUATED FASTENER
	PLWUD. PLWYWOOD
	PLBEG. PLUMBING
	PSF. POUNDS PER SQUARE FEET
	PSI. POUNDS PER SQUARE INCH
	PT. POINT
	P.T. PRESSURE TREATED
	REF. REFRIGERATOR
	REINF. REINFORCING
	REQD. REQUIRED
	RHWIS. ROUND HEAD WOOD SCREW
	SCHED. SCHEDULE
	SECT. SECTION
	S.D.S. SELF DRILLING SCREW
	SHGT. SHEATING
	SIM. SIMILAR
	SIM. SIMILAR
	SMS. OR SMS. SHEET METAL SCREW
	SPECS. SPECIFICATIONS
	SQ. SQUARE
	STD. STANDARD
	STL. STEEL
	STO. STORAGE
	S.S. STAINLESS STEEL
	SUSP. SUSPENDED
	STC. OR T.S. STEEL TUBE COLUMN
	SYS. SYSTEM
	T&B. TOP AND BOTTOM
	THK. THICK
	TYP. TYPICAL
	UON. UNLESS OTHERWISE NOTED
	VER. VERIFY
	WD. WOOD
	WH. WATER HEATER
	W. WITH
	WO. WITHOUT

8 SYMBOLS AND ABBREVIATIONS

STATEMENT OF GENERAL CONFORMANCE

For architects/engineers who utilize plans including but not limited to shop drawings, prepared by other licensed design professionals and/or consultants.

(Application No. 02-122155 File No. 50-59)

The drawings or sheets listed on the cover or index sheet.  This drawing, page of specifications/calculations have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It examined by me for:

- design intent and appears to meet the appropriate requirements of Title 24, California Code Regulations and the project specifications prepared by me and
- coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

The Statement of General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 11302 and 8139 of the Education Code and Sections 4-336 of Title 24, Part 1, (Title 24, Part 1, Section 4-311 (b))

7 PROJECT DIRECTORY

OWNER	SYLVAN UNION SCHOOL DISTRICT 605 SYLVAN AVE. MODESTO, CA, 95350 TEL. (209) 574-5000 ATTN: LIZETT AGUILAR
PROJECT	(2) NEW PORTABLE CLASSROOM BUILDINGS SOMERSET MIDDLE SCHOOL 1037 FLOYD AVE MODESTO, CA 95350 TEL. (209) 541-5300
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 4 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 2830 BARRET AVE PERRIS, CA 92571 TEL. (951) 943-5393 FAX (951) 943-2211 ATTN: MICHAEL RODRIGUES

T-1 COVER SHEET	SILVER CREEK DRAWINGS (FC 04-121999) (2) 24'x40' CLASSROOM BUILDINGS
ARCHITECTURAL:	A-0N COVER SHEET A-10N FLOOR PLAN 24X40 PROJECT SPECIFIC E-10N ELECTRICAL PLAN AND SCHEDULE 24X40 PROJECT SPECIFIC
AS-1 SITE PLAN	A-0 COVER SHEET A-0A T + I FORMS A-0B SYMBOLS LEGEND, ABBREVIATIONS + ADA SIGNAGE
A-1 FLOOR PLAN + EXTERIOR ELEVATIONS	A-02 SCHEDULES A-03 TYPICAL KEY PLANS 24'-120" X 40'
A-2 ENLARGED RESTROOM PLANS	A-053 DESIGN ENERGY VALUES WOOD FLOOR WALL HVAC PRF FORMS 24X40 - ZONE 14 WORST CASE
ELECTRICAL:	A-054 CERTIFICATE OF COMPLIANCE FORMS A-05B CERTIFICATE OF COMPLIANCE FORMS A-05C CERTIFICATE OF COMPLIANCE FORMS A-07 FV SYSTEM REQUIREMENTS, ENERGY MANDATORY MEASURES + CALGREEN SPECS
E01 ELECTRICAL COVER SHEET	A-101 FLOOR PLAN 24X40
E02 FIRE ALARM DETAILS	A-201 REFLECTED CEILING PLAN 24X40
E03 FIRE ALARM SYSTEMS AND SCHEDULES	A-220 CEILING DETAILS T-GRID
E10 OVERALL SITE PLAN - ELECTRICAL	A-301 ROOF PLAN 24X40 - METAL DECK MONO OR DUAL SLOPE
E20 PORTABLE FLOOR PLAN - ELECTRICAL	A-350 ROOF DETAILS STANDING BEAM ROOF DECK EXTERIOR ELEVATION 24X40 MONO/ DUAL SLOPE
E31 ELECTRICAL DETAILS	A-401 CROSS SECTION MONO SLOPE A-501 CROSS SECTION A-505 ARCHITECTURAL DETAILS WOOD STUD, SHGT A-510 ARCHITECTURAL DETAILS FLOOR A-520 ARCHITECTURAL DETAILS MISCELLANEOUS/ OPTIONS A-521 ARCHITECTURAL DETAILS MISCELLANEOUS/ OPTIONS
	A-601 INTERIOR ELEVATIONS 24X40 F-020 WOOD FOUNDATION PLAN 24X40 (50-15 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 TRUSS S-301 BUILDING SECTIONS MONO SLOPE S-500 WALL FRAMING ELEVATIONS WOOD STUDS S-510 WALL FRAMING DETAILS WOOD STUDS S-511 WALL FRAMING DETAILS WOOD STUDS P-101 PLUMBING DETAILS AND SCHEDULE M-101 MECHANICAL NOTES, SCHEDULES, + DETAILS M-101 MECHANICAL PLAN WALL MOUNT 24X40 E-101 ELECTRICAL PLAN AND SCHEDULE 24X40 R-101 RAMP LANDING R-201 RAMP DETAILS

REVIEWED FOR	
SS <input checked="" type="checkbox"/>	FLS <input checked="" type="checkbox"/>
ACS <input checked="" type="checkbox"/>	DATE: 3/5/2024

1 SHEET INDEX

SEISMIC: (EQUIVALENT LATERAL FORCE PROCEDURE)

I = 10 (OCCUPANCY CATEGORY II)

S<sub>s</sub> = 0.66 S<sub>1</sub> = 0.264  
S<sub>0.5</sub> = 0.56 S<sub>0.1</sub> = 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) (060930340F, 8/24/2021)

2 DESIGN CRITERIA

- CONSTRUCTION OF (2) 24x40 PORTABLE CLASSROOM BUILDINGS. (FC 04-121999)
- NEW FIRE ALARM IN NEW PORTABLES AND IN (1) (E) ADJACENT PORTABLE.
- NEW ELECTRICAL INFRASTRUCTURE TO CONNECT NEW PORTABLES.

3 PROJECT DESCRIPTION

EXISTING PORTABLES:

(1) 24x40 PORTABLES BUILDINGS  
TYPE V-B CONSTRUCTION - E OCCUPANCY, (NON-SPRINKLED)  
960 SQ. FT. EACH (48 OCCUPANTS EACH),  
168 SQ. FT. OVERHANG (EACH)

(1) PORTABLES COMBINED = 960 SQ. FT.  
(1) OVERHANGS = 168 SQ. FT.  
TOTAL = 1,128 SQ. FT.

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)

(1) PORTABLE = 960 SQ. FT.  
(1) OVERHANGS = 168 SQ. FT.  
TOTAL = 1,128 SQ. FT.

AREA:

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

EXISTING PORTABLES = 1,128

NEW PORTABLES (2) AT 1,128 SF = 2,256

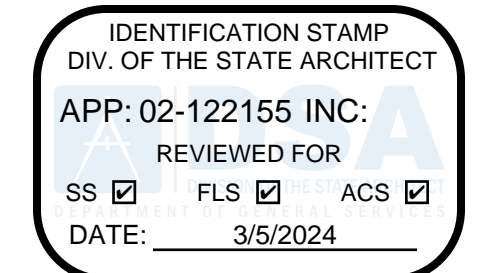
TOTAL COMBINED AREA WITH OVERHANGS: 2,256 SQ. FT.

3,384 SQ. FT. < 9,500 SQ. FT. OK!

12 USE OF CONST. DOCUMENTS PREPARED BY OTHER PROFESSIONALS

7 PROJECT DIRECTORY

4 PROJECT DATA



skw 4 associates  
architecture + engineering + surveying  
2237 scenic drive, Modesto, CA 95355 P: 209-529-8323 F: 209-529-7804

David Starck  
architect  
C 22903

Alan V. Stevenson  
civil engineer  
roc 6758

LICENSED ARCHITECT  
DAVID J. STARCK  
C 22903  
KEN 12-6-13  
STATE OF CALIFORNIA

PROJECT TITLE:  
SYLVAN UNION SCHOOL DISTRICT  
SOMERSET MIDDLE SCHOOL  
(2) NEW PORTABLE CLASSROOMS  
1037 FLOYD AVE  
MODESTO, CA 95350

COVER SHEET

REVISIONS:

BY: Z.D  
LIST: SYLVAN  
DATE: 2-26-2024  
JOB: 23M045

SHEET: T-1

**ACCESSIBILITY NOTES:**

- ACCESSIBLE PATH (.....) (AP) 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.
- 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-404.2.4.1 (1B-404.2.4.1). SPECIFY HARDWARE, KICK PLATES, 5 LBS PRESSURE TO OPERATE, STRIKE SIDE CLEARANCE, AND PANIC HARDWARE.
- SEE SHEET AS-2, ACS-1 & ACS-2 FOR ADDITIONAL ACCESSIBLE REQUIREMENTS.
- PROVIDE ACCESSIBILITY SIGNAGE (ISA) 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 REMOVED.

**DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:**

THE ACCESSIBLE PATH (AP) IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITION AND STRUCTURAL REPAIRS AS PART OF THE DESIGN OF THIS PROJECT. THE AP WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE AP THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE AP 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 DOCUMENTS.

DURING CONSTRUCTION, IF AP ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCOMPLYING 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.

(2) NEW PORTABLE BUILDINGS PB & P9 CLASSROOMS TYPE V-B (N9), E OCC.

P1 (E) CLASSROOM (AP #02-105410) NO WORK

P2-P5 (E) CLASSROOMS (AP #02-103593) NO WORK

P6-P7 (E) CLASSROOMS (AP #02-103593) NO WORK

P8-P9 (E) CLASSROOMS (AP #02-103593) NO WORK

P10-P11 (E) CLASSROOMS (AP #02-103593) NO WORK

P12-P13 (E) CLASSROOMS (AP #02-103593) NO WORK

P14-P15 (E) CLASSROOMS (AP #02-103593) NO WORK

P16-P17 (E) CLASSROOMS (AP #02-103593) NO WORK

P18-P19 (E) CLASSROOMS (AP #02-103593) NO WORK

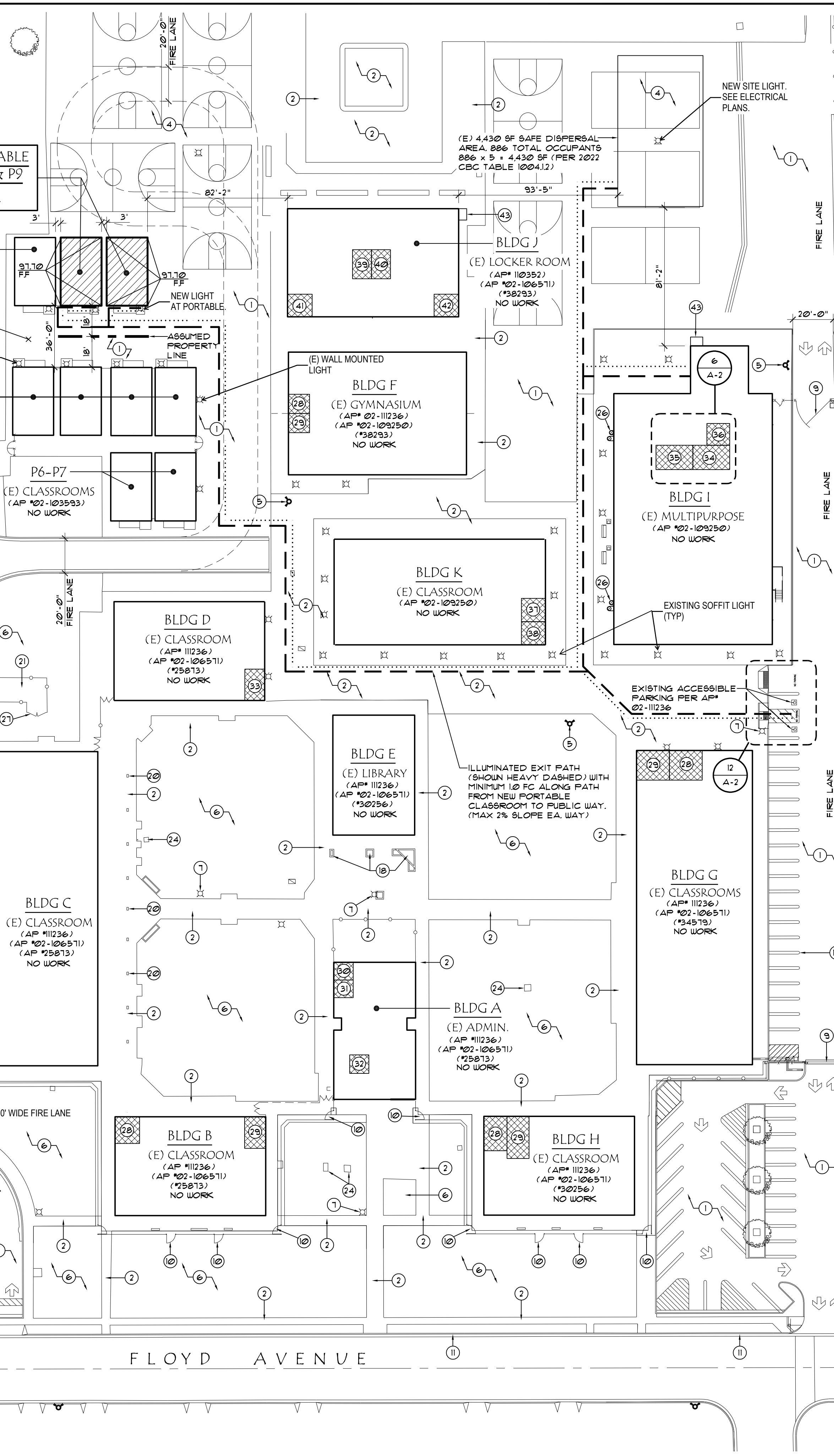
P20-P21 (E) CLASSROOMS (AP #02-103593) NO WORK

P22-P23 (E) CLASSROOMS (AP #02-103593) NO WORK

P24-P25 (E) CLASSROOMS (AP #02-103593) NO WORK

P26-P27 (E) CLASSROOMS (AP #02-103593) NO WORK

P28-P29 (E) CLASSROOMS (AP #02-103593) NO WORK



**EXISTING KEYNOTES**

- EXISTING ASPHALT PAVING, MAX 2% EA. WAY
- EXISTING CONCRETE WALK, MAX 2% EA. WAY
- EXISTING ATHLETIC EQUIPMENT AREA
- EXISTING STRIPED PAVED PLAY AREA
- EXISTING FIRE HYDRANT
- EXISTING LANDSCAPING
- EXISTING SITE LIGHT.
- EXISTING W/ FENCE
- EXISTING FIRE ACCESS GATE (20'-0" w x 6'-0" h) WITH KNOX BOX PER AP 02-11236
- EXISTING W/ GATE PER AP #02-114059
- EXISTING CURB & GUTTER
- EXISTING PLAYGROUND
- EXISTING PARKING LOT STRIPING (TYP)
- EXISTING PLAY FIELD
- EXISTING VAN ACCESSIBLE SIGN
- EXISTING STANDARD ACCESSIBLE SIGN
- EXISTING CHAIN LINK FENCE
- EXISTING PLANTER TYP
- EXISTING ACCESSIBLE RAMP PER AP #02-11236
- EXISTING BUILDING COLUMN TYP
- EXISTING MECHANICAL ENCLOSURE
- EXISTING EDGE OF PAVEMENT
- EXISTING BICYCLE ENCLOSURE
- EXISTING CONCRETE PAD
- EXISTING CONCRETE CURB
- EXISTING DRINKING FOUNTAIN PER AP #02-109250
- EXISTING CHAIN LINK GATE
- EXISTING BOYS RESTROOM PER AP #02-11236
- EXISTING GIRLS RESTROOM PER AP #02-11236
- EXISTING WOMENS RESTROOM PER AP #02-11236
- EXISTING MENS RESTROOM PER AP #02-11236
- EXISTING SINGLE OCCUPANCY STUDENT RESTROOM PER AP #02-11236
- EXISTING UNISEX SPECIAL ED RESTROOM PER AP #02-11236
- EXISTING BOYS RESTROOM PER AP #02-109250
- EXISTING GIRLS RESTROOM PER AP #02-109250
- EXISTING STAFF RESTROOM PER AP #02-109250
- EXISTING MENS RESTROOM PER AP #02-109250
- EXISTING WOMENS RESTROOM PER AP #02-109250
- EXISTING BOYS RESTROOM PER AP #02-110352
- EXISTING GIRLS RESTROOM PER AP #02-110352
- EXISTING UNISEX SPECIAL ED RESTROOM PER AP #02-110352
- EXISTING WOMENS RESTROOM PER AP #02-110352
- EXISTING FLOOD LIGHT

**Modesto Fire Department**  
**FIRE PREVENTION DIVISION**  
 409 12th Street  
 Modesto, California 95354  
 Tel: (209) 571-5553 Fax: (209) 544-1652

**WATERFLOW REPORT**

Water Flow Requested By: Joshua Gregoire  
 Address: 2237 Scenic Dr.  
 City: Modesto, CA  
 Phone: 209-529-8233  
 FAX:  
 E-Mail Results To: jgregoire@skwassociates.com

Project Name: New Portable Buildings  
 Project Location: 1037 Floyd Ave.

Water Tap Location: FH #1148 on Floyd Ave.  
 Location of Static Hydrant: FH #1146 on Floyd Ave.  
 Location of Flow Hydrant: FH #1146 on Floyd Ave.  
 Main Size: 8"

Tested By: B. Mendenhall / J. Ernst  
 Date Tested: 12/6/2023

Results Are Valid For This Project Only:  
 Occ. Number: 00308 Building Permit Number: FIR2023-00186

**WATERFLOW RESULTS**

2.5" pitot reading:	0 gpm	Tested with 2.5" Hose Monster
static:	gpm	waterflow @ 20 psi
residual:		
4.5" pitot reading:	1,443 gpm	Tested with 4.5" Hose Monster
static:	56 gpm	3,797 gpm
residual:	50	waterflow @ 20 psi

**AIDSA 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 webpages.

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. Acknowledgment 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 signed 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 signed on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy PL 05-01: Fire Flow for Buildings.

**PROJECT INFORMATION**

School District: SYLVAN UNION SCHOOL DISTRICT  
 Project Name/School: SOMERSET MIDDLE SCHOOL (2) PORTABLE CLASSROOMS  
 Project Address: 1037 FLOYD AVENUE, MODESTO CA 95350

**FIRE & LIFE SAFETY INFORMATION**

1. Has a fire hydrant flow test been performed within the past 12 months? Yes  No   
 (If yes, provide a copy of the test data.)

2. Was the fire hydrant water flow test performed as part of this LFA request? Yes  No

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  No

Refer to the following website for FHSZ locations: <https://data.ca.gov/datasets/arcgis-complexity-fhsz>

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

DSG DSA 810 (revised 12/20/20) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 1 of 4

**DSA 810**  
**FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL**

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

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: Modesto Fire Department  
 LFA Review Official: David Bickle  
 Title: Fire Chief / Marshal Work Phone: (209) 572-9990  
 Work Email: FirePrevention@modestofire.com

LFA Reviewer's Signature: \_\_\_\_\_ Date: 2/7/24

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

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP: 02-122155 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 stark  
 architect  
 c.22908

• alan v. stevenson  
 civil engineer  
 roc 61758

LICENSED ARCHITECT  
 DAVID J. STARK  
 No. 12463  
 State of California

PROJECT TITLE:  
 SYLVAN UNION SCHOOL DISTRICT  
 SOMERSET MIDDLE SCHOOL  
 (2) NEW PORTABLE CLASSROOMS  
 1037 Floyd Ave  
 MODESTO, CA 95350

**SITE PLAN**

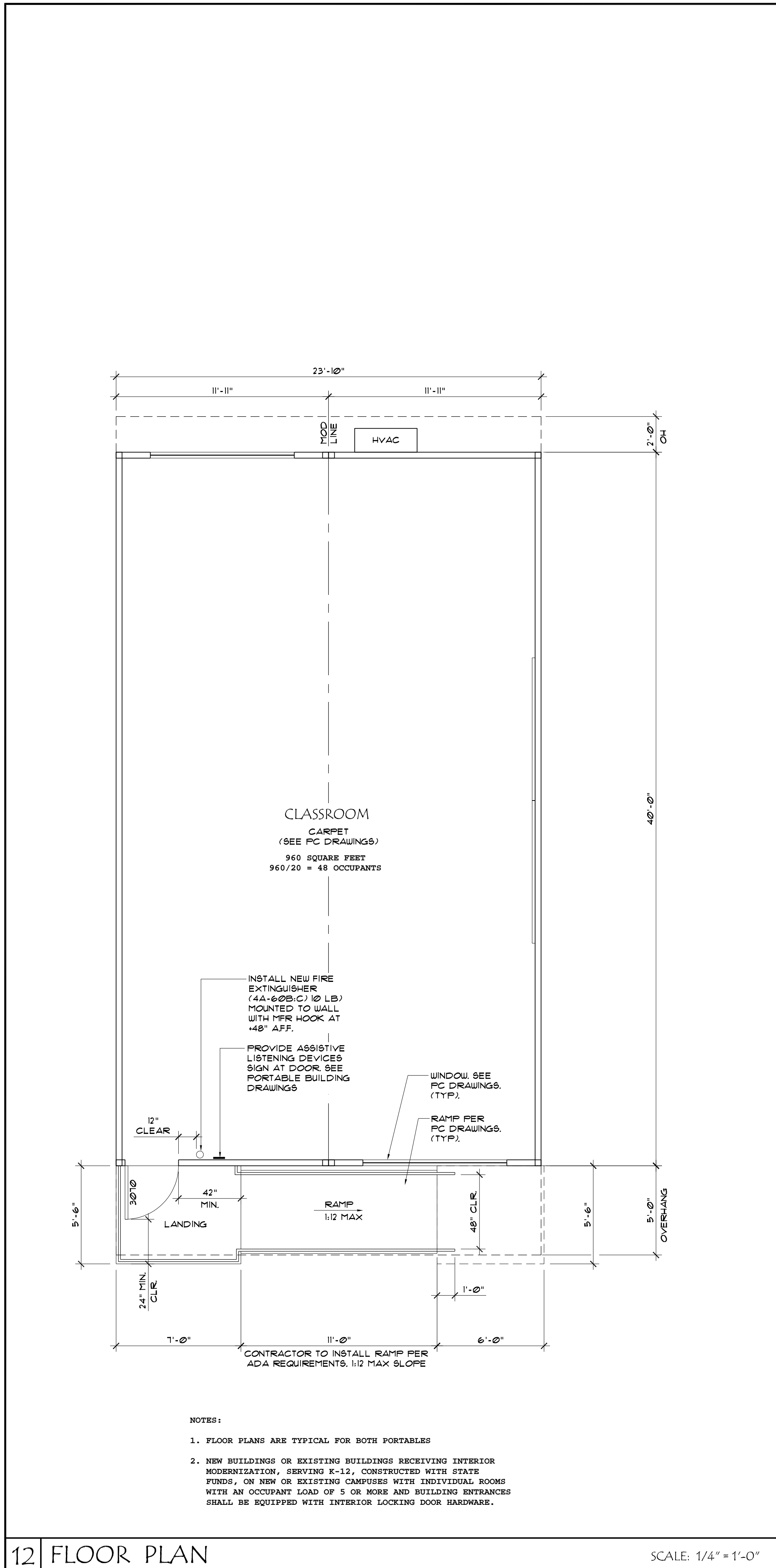
REVISIONS:

BY: Z.D  
 LIST: SYLVAN  
 DATE: 2-26-2024  
 JOB: 23M045

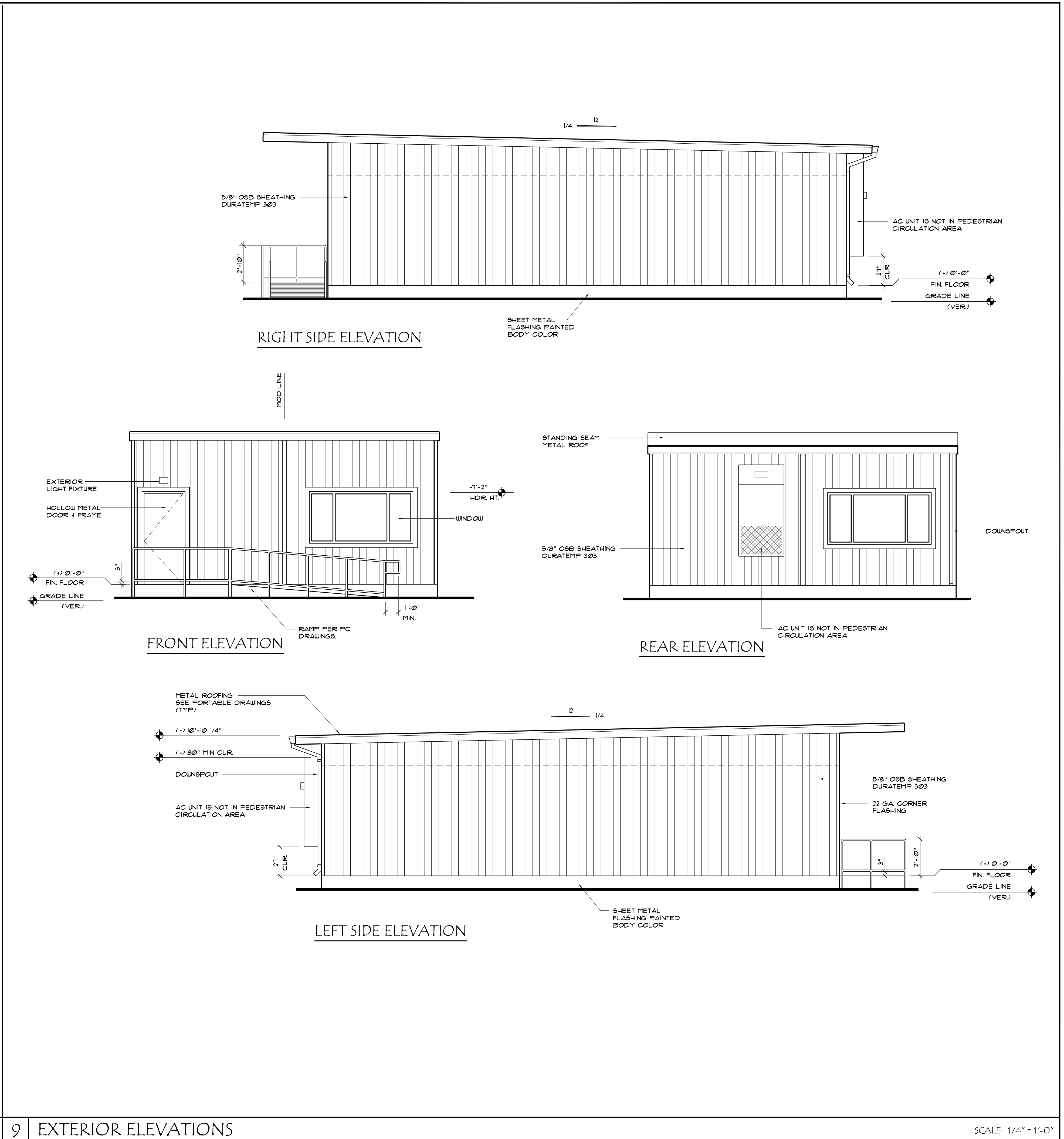
SHEET: AS-1

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 ARCHITECTURE PROVIDED. THE CONTRACTOR SHALL ACCEPT FULL RESPONSIBILITY FOR ALL DIMENSIONS OF MATERIALS OR EQUIPMENT CALLED FOR TO PROBABLY COMPLETE THE WORK.





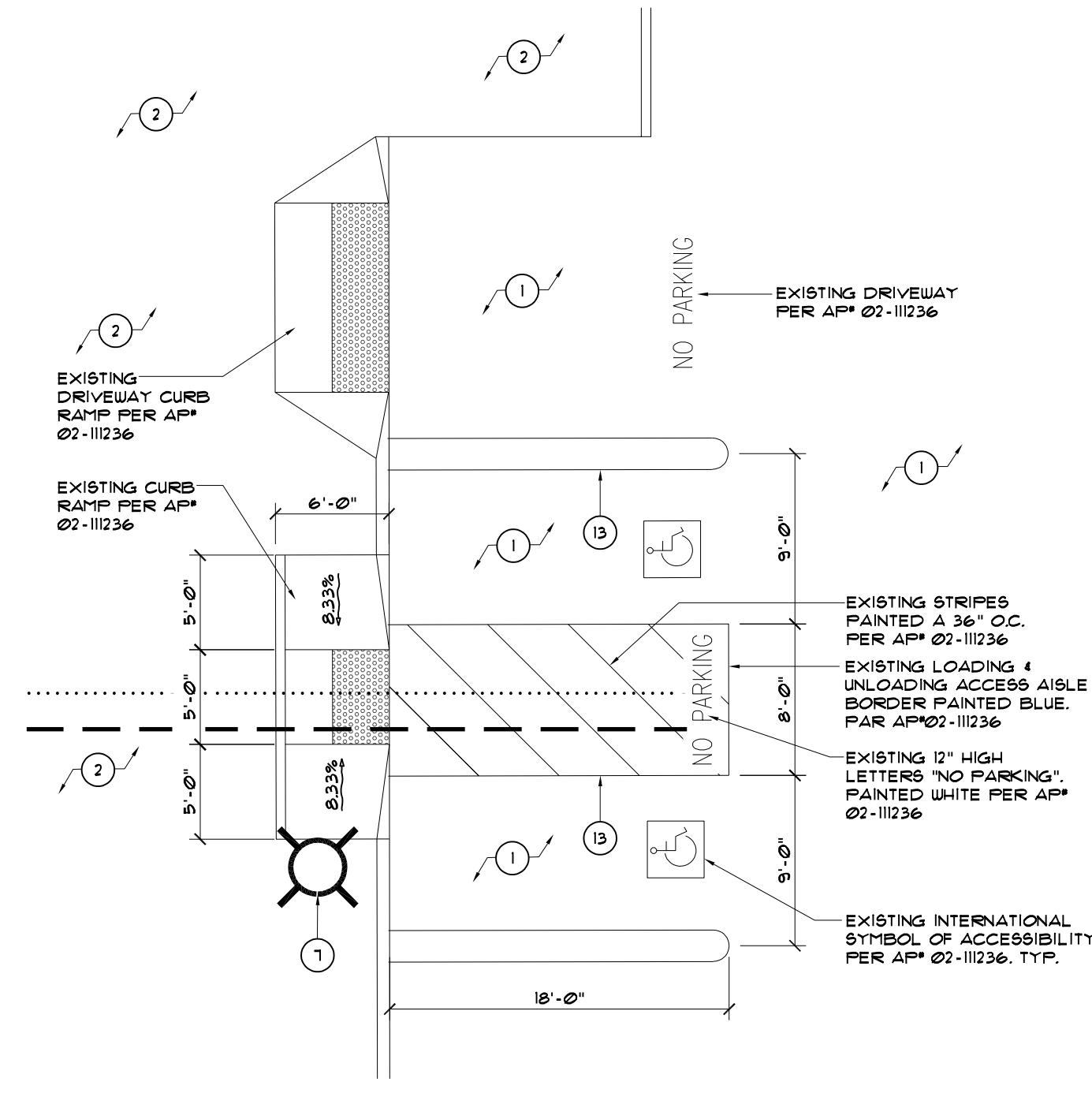
12 FLOOR PLAN SCALE: 1/4" = 1'-0"



9 EXTERIOR 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 SITE LIGHT.
- ④ EXISTING PARKING LOT STRIPING (TYP.)

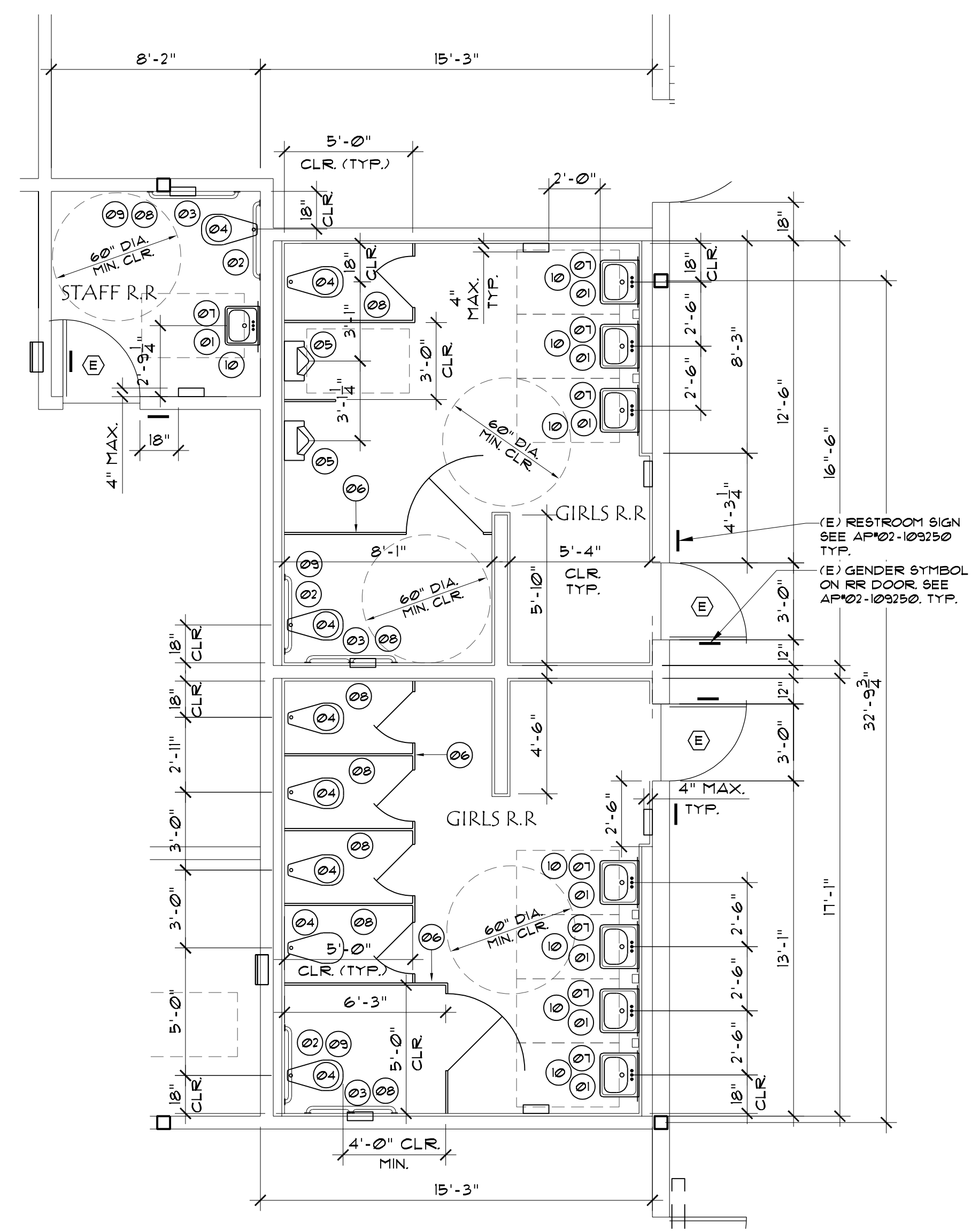


KEY NOTES:

- ① (E) LAVATORY, PER AP#02-109250
- ② (E) 36" GRAB BAR, SEE AP#02-109250
- ③ (E) 42" GRAB BAR, SEE AP#02-109250
- ④ (E) ACC. OR REG. WATER CLOSET PER AP#02-109250
- ⑤ (E) ACC OR REGULAR URINAL PER AP#02-109250
- ⑥ (E) TOILET PARTITION (SOLID PLASTIC) PER AP#02-109250
- ⑦ (E) SOAP DISPENSER PER AP#02-109250
- ⑧ (E) SURFACE MOUNTED TOILET PAPER DISPENSER, SEE AP#02-109250
- ⑨ (E) TOILET SEAT COVER DISPENSER, SEE AP#02-109250
- 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.



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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 | 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

02/26/24 10:28:11 AM F:\2A\060 SUSD PORTABLES AT VARIOUS\ENGR\SHEETS\060\_ED.1 TITLE SHEET.DWG cmerendez

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 WAITAGE									
	PHOTO ELECTRIC CELL									
	DAYLIGHT CEILING SENSOR. WATTSTOPPER LMLS-400.									
	CEILING MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR. WATTSTOPPER #LMD-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"									
<table border="0"> <tr> <td rowspan="4">} SWITCHING SUBSCRIPTS</td> <td>a</td> <td>DEVICE CONTROLLED</td> </tr> <tr> <td>k</td> <td>KEY</td> </tr> <tr> <td>p</td> <td>PILOT</td> </tr> <tr> <td>M</td> <td>OCCUPANCY SENSOR</td> </tr> </table>		} SWITCHING SUBSCRIPTS	a	DEVICE CONTROLLED	k	KEY	p	PILOT	M	OCCUPANCY SENSOR
} SWITCHING SUBSCRIPTS	a		DEVICE CONTROLLED							
	k		KEY							
	p		PILOT							
	M	OCCUPANCY SENSOR								
	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	HI	HIGH	NAC	NOTIFICATION APPLIANCE CIRCUIT
Y	WYE CONNECTED	CT	CURRENT TRANSFORMER	HV	HIGH VOLTAGE	NC	NORMALLY CLOSED
0	PHASE	CU	COPPER	HVAC	HEATING, VENTILATION, AIR CONDITIONING	NL	NIGHT LIGHT
A	AMPERES	DC	DIRECT CURRENT	IDF	INTERMEDIATE DISTRIBUTION FRAME	OC	ON CENTER
AC	ALTERNATING CURRENT	DISC	DISCONNECT	INCAN	INCANDESCENT	OH	OVERHEAD
ACT	ABOVE COUNTERTOP/BACKSPLASH	DIST	DISTRIBUTION	INST	INSTANTANEOUS	OL	THERMAL OVERLOAD RELAY
AFF	ABOVE FINISHED FLOOR	(E)	EXISTING	KV	KILOVOLTS	OT	OVER TEMPERATURE
AL	ALUMINUM	EC	ELECTRICAL CONTRACTOR	KVA	KILOVOLT AMPERES	OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
APPROX	APPROXIMATE	EL, ELEV	ELEVATION	KW	KILOWATTS	PA	PUBLIC ADDRESS
AUTO	AUTOMATIC	EMT	ELECTRICAL METALLIC TUBING	LB	ELBOW	PB	PULL BOX
AUX	AUXILIARY	EOL	END OF LINE	LF	LINEAR FEET	PNL	PANEL
ALT	ALTERNATE	ENCL	ENCLOSURE	LV	LOW VOLTAGE	PH	PHASE
AWG	AMERICAN WIRE GAUGE	EP	EXPLOSION PROOF	M	MOTOR	PRI	PRIMARY
B	BARE	EQUIP	EQUIPMENT	MAX	MAXIMUM	PS	PRESSURE SWITCH
BC	BARE COPPER GROUND	ETC	ET CETERA	MCA	MINIMUM CIRCUIT AMPS	PWR	POWER
BKBD	BACKBOARD	EVAP	EVAPORATOR	MCC	MOTOR CONTROL CENTER	(R)	REMOVE(D)
BRKR	BREAKER	(F)	FUTURE	MCM	THOUSAND CIRCULAR MILLS	RA	REMOTE ANNUNCIATOR
BLDG	BUILDING	FA	FIRE ALARM	MECH	MECHANICAL	REQD	REQUIRED
C	CONDUIT OR CONTRACTOR	FACP	FIRE ALARM CONTROL PANEL	MFG	MANUFACTURER	REQMTS	REQUIREMENTS
CAB	CABINET	FLA	FULL LOAD AMPS	MIN	MINIMUM	RGP	REDUNDANT GROUND PATH
CATV	CABLE TELEVISION	FLEX	FLEXIBLE	MPOE	MAIN POINT OF ENTRY	RM	ROOM
CKT	CIRCUIT	FLUOR	FLUORESCENT	MSB	MAIN SWITCHBOARD	RECP	RECEPTACLE
CLG	CEILING	FS	FLOW SWITCH	N	NEUTRAL	SCH	SCHEDULE
COMM	COMMUNICATION	GALV	GALVANIZED	(N)	NEW	SEC	SECONDS, SECONDARY
CONN	CONNECT	GND	GROUND	NA	NON-AUTOMATIC	SIG	SIGNAL
CONT	CONTINUATION OR CONTINUED	GC	GENERAL CONTRACTOR			SPECS	SPECIFICATIONS
COORD	COORDINATE					(XR)	REMOVE AND RELOCATE(D)
						SW	SWITCH
						SWD	SWITCHED
						SP	SPARE
						STD	STANDARD
						STR	STRANDED
						SWBD	SWITCHBOARD
						TEL	TELEPHONE
						TEMP	TEMPERATURE
						TH	THERMOSTAT
						TRANSF	TRANSFORMER
						TYP	TYPICAL
						TSP	TWISTED SHIELDED PAIR
						UG	UNDERGROUND
						UNO	UNLESS NOTED OTHERWISE
						V	VOLTS
						VA	VOLT AMPS
						VFD	VARIABLE FREQUENCY DRIVE
						VM	VOLT METER
						W/	WITH
						W/O	WITHOUT
						WP	WEATHERPROOF
						WHD	WATT HOUR DEMAND METER
						WM	WATT METER
						WH	WATER HEATER
						XFMR	TRANSFORMER
						(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 FIRE CODE (CFC)	PART 3, TITLE 24, CCR
2022 CALIFORNIA MECHANICAL CODE (CMC)	BASED ON THE 2020 NATIONAL ELECTRICAL CODE (NEC)
2022 CALIFORNIA PLUMBING CODE (CPC)	PART 4, TITLE 24, CCR
2022 CALIFORNIA UNIFORM MECHANICAL CODE (UMC)	BASED ON THE 2021 UNIFORM MECHANICAL CODE (UMC)
2022 CALIFORNIA UNIFORM PLUMBING CODE (UPC)	PART 5, TITLE 24, CCR
2022 CALIFORNIA FIRE CODE (CFC)	BASED ON THE 2021 UNIFORM PLUMBING CODE (UPC)
2022 NFPA 72, NATIONAL FIRE ALARM & SIGNALING CODE	PART 9, TITLE 24, CCR
W/ CALIFORNIA AMENDMENTS.	BASED ON THE 2021 INTERNATIONAL FIRE CODE (IFC)
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.	



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

IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP: 02-122155 INC:  
 REVIEWED FOR  
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 DATE: 3/5/2024

**skw & associates**  
 architecture • engineering • surveying  
 2257 scenic drive, modesto, ca 95355 p. 209-529-8823 f. 209-529-7804  
 david j. starrck  
 architect  
 c.22908  
 allan v. stevenson  
 civil engineer  
 roc 67798



PROJECT TITLE:  
 SYLVAN UNION SCHOOL DISTRICT  
 SOMERSET MIDDLE SCHOOL  
 (2) NEW PORTABLE CLASSROOMS  
 1057 Floyd Ave  
 MODESTO, CA 95350

SHEET TITLE:  
**ELECTRICAL COVER SHEET**  
 REVISIONS:

SHEET : **EO.1**  
 BY : Z.D  
 LIST : SYLVAN  
 DATE : 02/26/2024  
 JOB : 23MO26

02/26/24 10:28:17 AM F:\24\060 SUBD PORTABLES AT VARIOUS\ENGR\SHEETS\060\_ED.2 FIRE ALARM DETAILS.DWG cmeoedz

### FIRE ALARM INSTALLATION NOTES

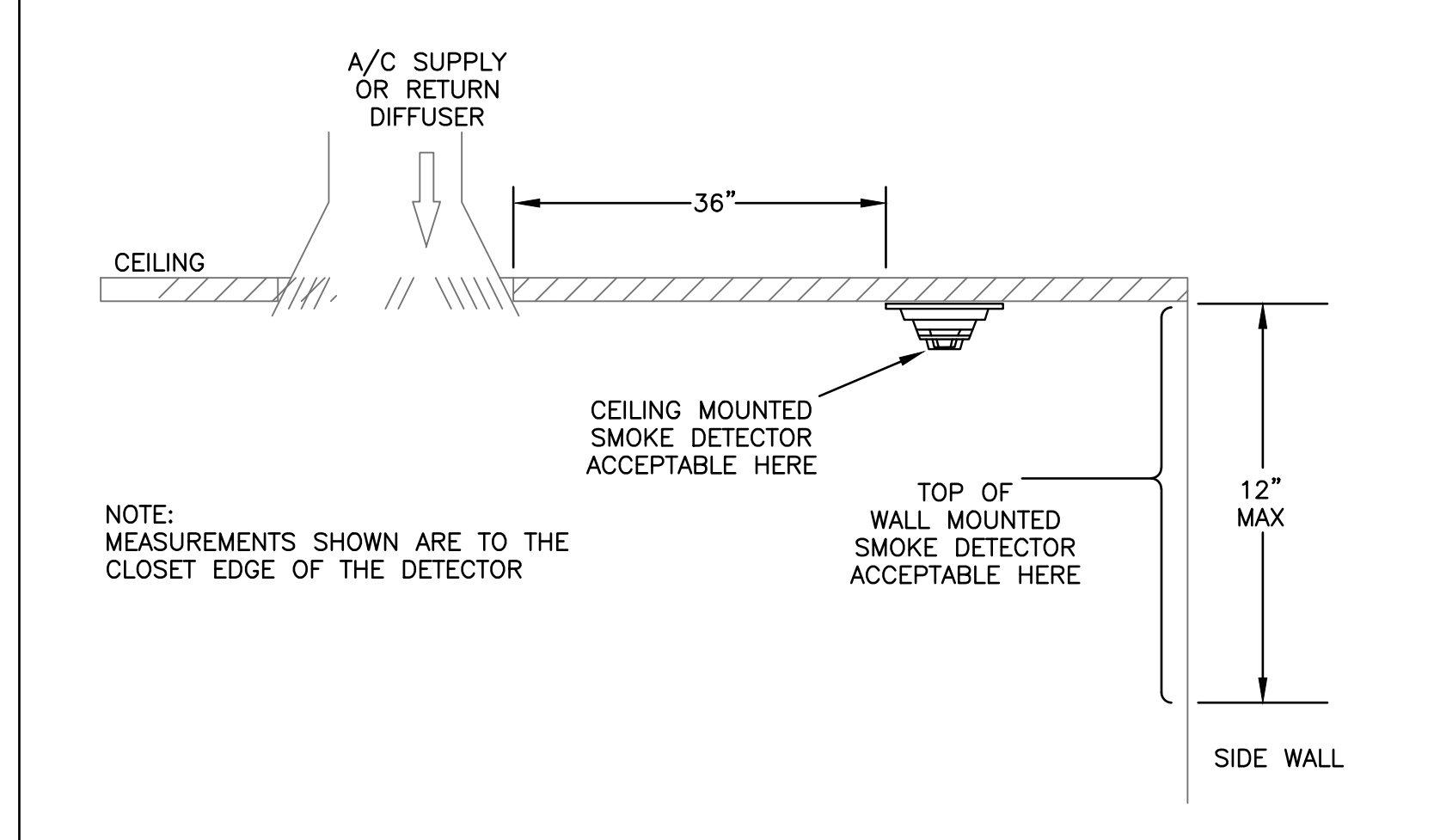
- THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRICAL CODE.
- UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE PERFORMED IN THE PRESENCE OF THE DSA INSPECTOR OF RECORD & LOCAL FIRE AUTHORITY.
- ALL DRAWINGS ARE 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 UUFV OR UUVS 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.

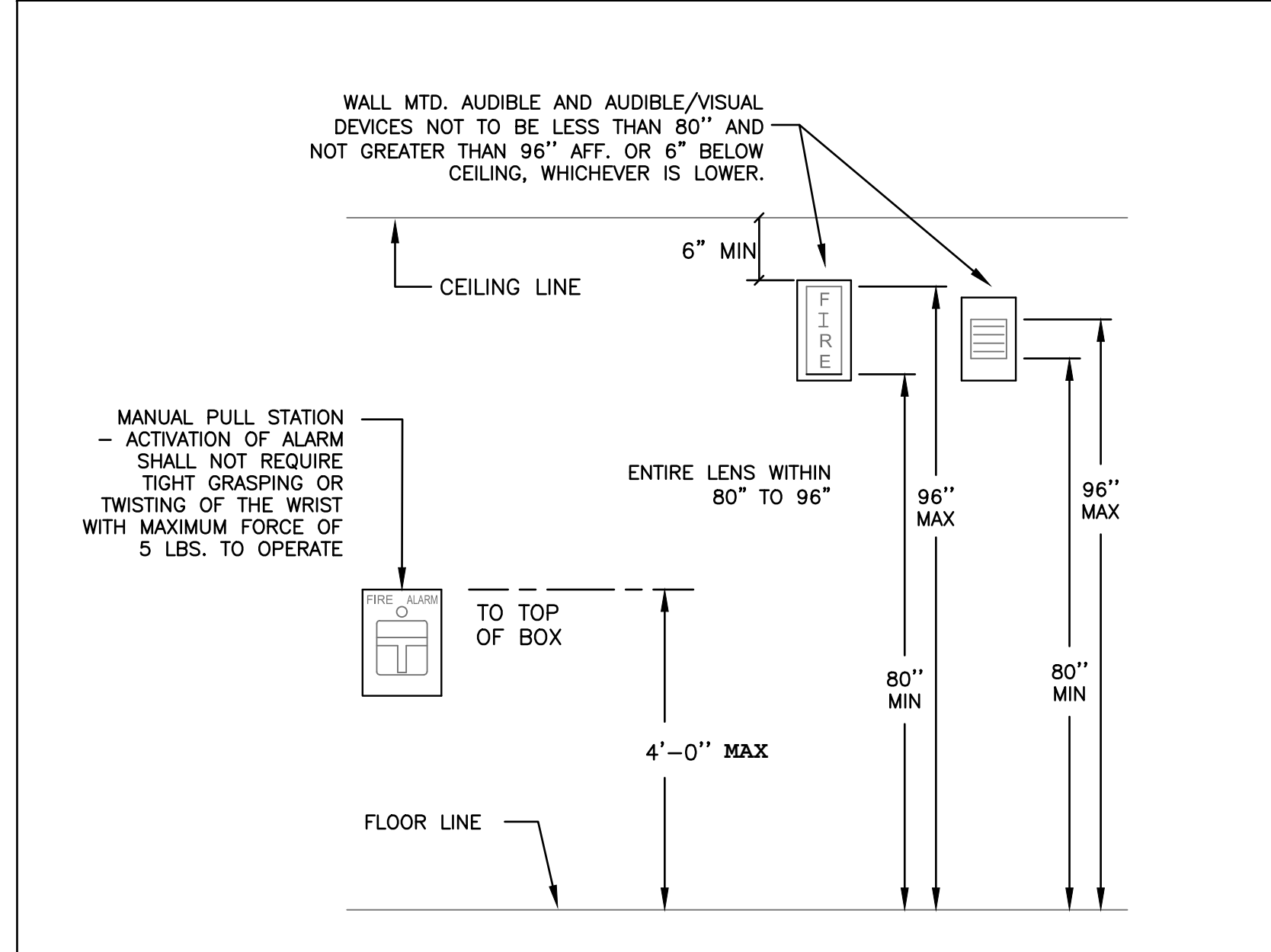
### FIRE ALARM INSTALLATION NOTES (CONTINUED)

- 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



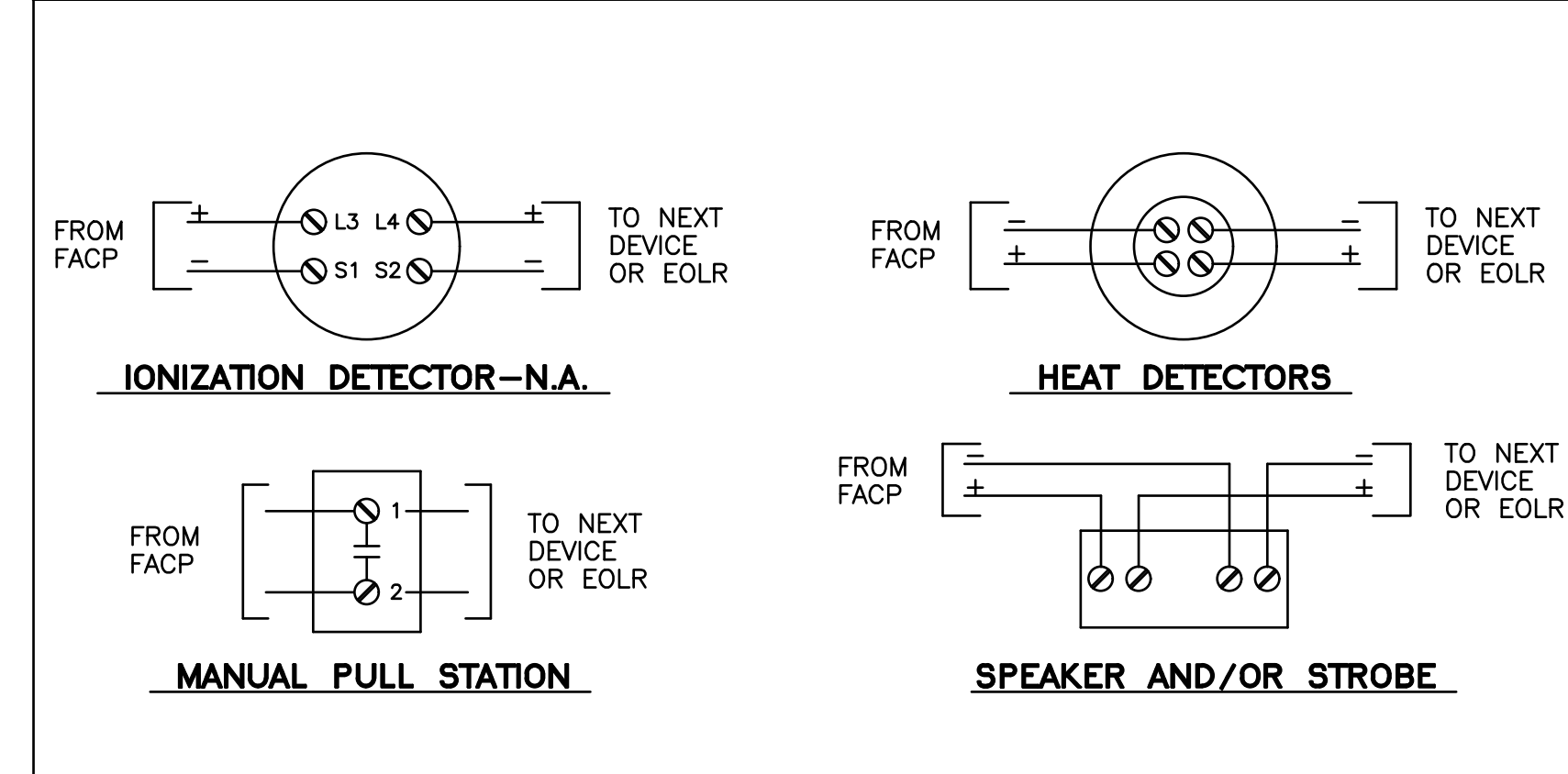
### DEVICE ELEVATION DETAIL



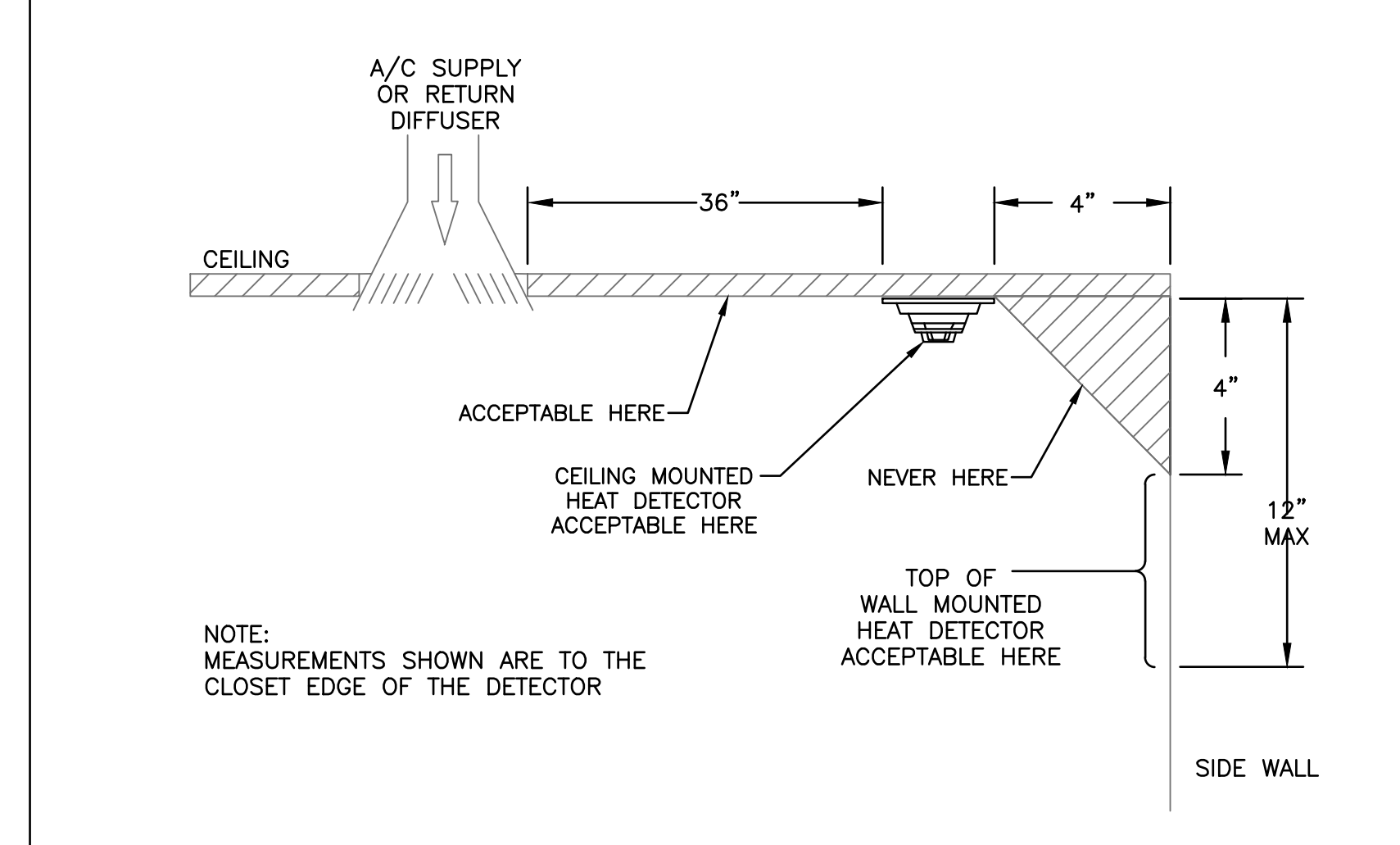
### SYSTEM OPERATIONAL MATRIX

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



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

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 DATE: 3/5/2024

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allan v. stevenson  
 civil engineer  
 roc 67798



PROJECT TITLE:  
 SYLVAN UNION SCHOOL DISTRICT  
 SOMERSET MIDDLE SCHOOL  
 (2) NEW PORTABLE CLASSROOMS  
 1057 Floyd Ave  
 MODESTO, CA 95350

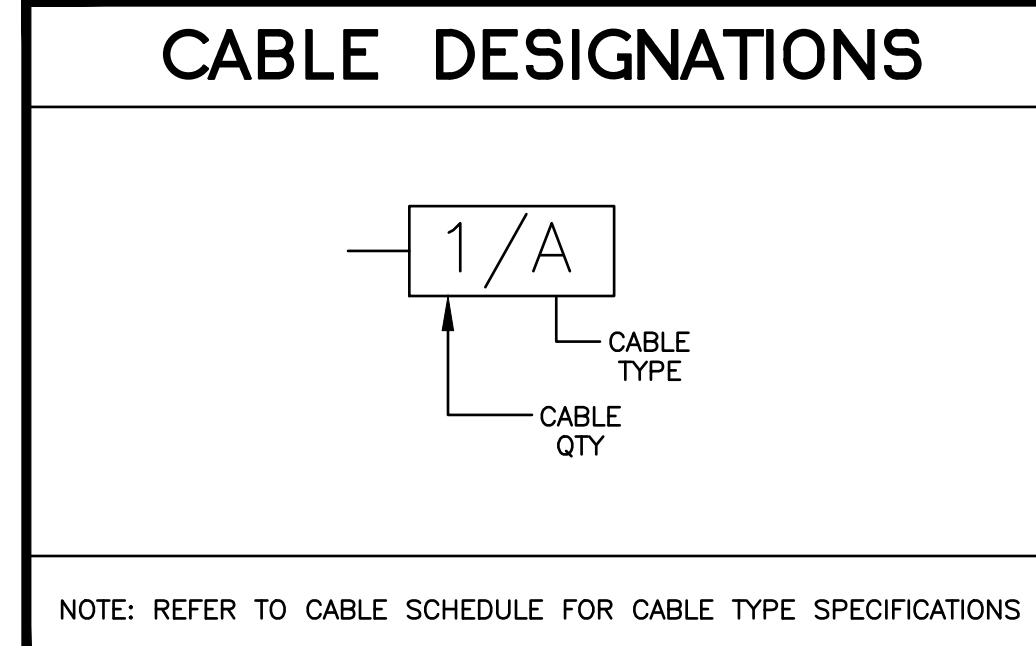
FIRE ALARM DETAILS

SHEET TITLE:  
 REVISIONS:

BY : Z.D  
 LIST : SYLVAN  
 DATE : 02/26/2024  
 JOB : 23MO26

SHEET : **EO.2**

02/26/24 10:29:22 AM F:\24\060 SUBD PORTABLES AT VARIOUS\ENGR\SHEETS\060\_ED.3 FIRE ALARM SYSTEMS AND SCHEDULES.DWG cmrendez



### 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)
W	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 AGC224 (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 AGC226 (2#14 SOL, UTP, FPL)	NAC (SIGNALLING CIRCUIT) EXTERIOR
C	WEST PENN D990S (2#16 SOL, UTP, FPLR)	SPEAKER INTERIOR
CW	WEST PENN AGC225 (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 AGC225 (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 (x5) XDLC ZIC-4A (x2) 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	SURFACE	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 </tr <tr> <td>⊠</td> <td>FDOT421 DB-11</td> <td>SMOKE DETECTOR SENSOR BASE</td> <td>SIEMENS</td> <td>7272-0067:0258 7272-0067:0134</td> <td>FLUSH</td> <td>4" SQ DP</td> <td>4-0</td> </tr> <tr> <td>⊠</td> <td>5604</td> <td>HEAT DETECTOR (190degF FIXED) ATTIC MOUNTED</td> <td>SYSTEM SENSOR</td> <td>7270-1653:0167</td> <td>FLUSH</td> <td>4" SQ DP</td> <td>4-0</td> </tr> <tr> <td>⊠</td> <td>SL2SPSWR-F</td> <td>INDOOR WALL SPEAKER/STROBE (#/#cd-DENOTES CANDELA RATING &amp; #/#w DENOTES WATTAGE SETTING)</td> <td>SIEMENS</td> <td>7320-0067:0517</td> <td>FLUSH</td> <td>4" SQ DP</td> <td>N/A</td> </tr> <tr> <td>⊠</td> <td>SETSF-VR w/WBBS-R</td> <td>OUTDOOR SPEAKER DEVICE (#/#w DENOTES WATTAGE SETTING)</td> <td>SIEMENS</td> <td>7320-0067:0255</td> <td>SURFACE</td> <td>MFG. BOX</td> <td>N/A</td> </tr>	⊠	FDOT421 DB-11	SMOKE DETECTOR SENSOR BASE	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	⊠	SL2SPSWR-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
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\* 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
<b>MAIN PANEL</b>					
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	5	120.0 mA	360.0 mA	600.0 mA	1800.0 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	2	120.0 mA	120.0 mA	240.0 mA	240.0 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
<b>REMOTE ANNUNCIATOR</b>					
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
<b>DEVICES</b>					
XDLC DEVICES	10	1.0 mA	8.0 mA	10.0 mA	80.0 mA
MXL DEVICES	5	180.0 mA	180.0 mA	900.0 mA	900.0 mA
<b>(E) DEVICES</b>					
	5	0.0 mA	62.0 mA	0.0 mA	310.0 mA
	8	0.0 mA	6.0 mA	0.0 mA	48.0 mA
	1	0.0 mA	74.0 mA	0.0 mA	74.0 mA
	10	0.0 mA	107.0 mA	0.0 mA	1070.0 mA
	2	0.0 mA	184.0 mA	0.0 mA	368.0 mA
		TOTAL =		3153.5 mA	7438.5 mA
24hrs. IN STANDBY	24hr	(3.154 A) =	75.684 AH		
15mins. ALARM	0.250hr	(7.439 A) =	1.860 AH		
		SUBTOTAL =		77.544 AH	
		AT 125% =		96.930 AH	
PRESENT PWR SUPPLY:			100.00 AH (SEALED)		
FUTURE CAPACITY IS:			3.07 AH		

### NAC BATTERY CALCS.

MODULE/DEVICE	QUAN.	STAND-BY LOAD	ALARM LOAD	STAND-BY LOAD	ALARM LOAD
<b>CONTROL PANEL</b>					
	1	15.0 mA	140.0 mA	15.0 mA	140.0 mA
<b>(N) DEVICES</b>					
COMBO 75cd	3	0.0 mA	60.0 mA	0.0 mA	180.0 mA
TOTAL = 15.0 mA 320.0 mA					
24hrs. IN STANDBY	24hr	(0.015 A) =	0.360 AH		
15mins. ALARM	0.250hr	(0.320 A) =	0.080 AH		
		SUBTOTAL =		0.440 AH	
		AT 125% =		0.550 AH	
PRESENT PWR SUPPLY:			7.00 AH (SEALED)		
FUTURE CAPACITY IS:			6.45 AH		

### VOLTAGE DROP

NODE	CURRENT	CABLE		CIRC. M.	OHM/FT	V.D.
		LENGTH (x2)	AWG			
1	0.180 A	80'	14	4110	0.00267	0.038 V
2	0.120 A	224'	14	4110	0.00267	0.072 V
3	0.060 A	224'	14	4110	0.00267	0.036 V

CIRCUIT: S1  
 VOLTAGE: 24.0 V  
 TOTAL V.D.: 0.146 V  
 % DROP: 0.61%

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David J. Starck  
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PROJECT TITLE:  
 SYLVAN UNION SCHOOL DISTRICT  
 SOMERSET MIDDLE SCHOOL  
 (2) NEW PORTABLE CLASSROOMS  
 1057 Floyd Ave  
 MODESTO, CA 95350

SHEET TITLE:  
 FIRE ALARM SYSTEMS AND SCHEDULES

REVISIONS:

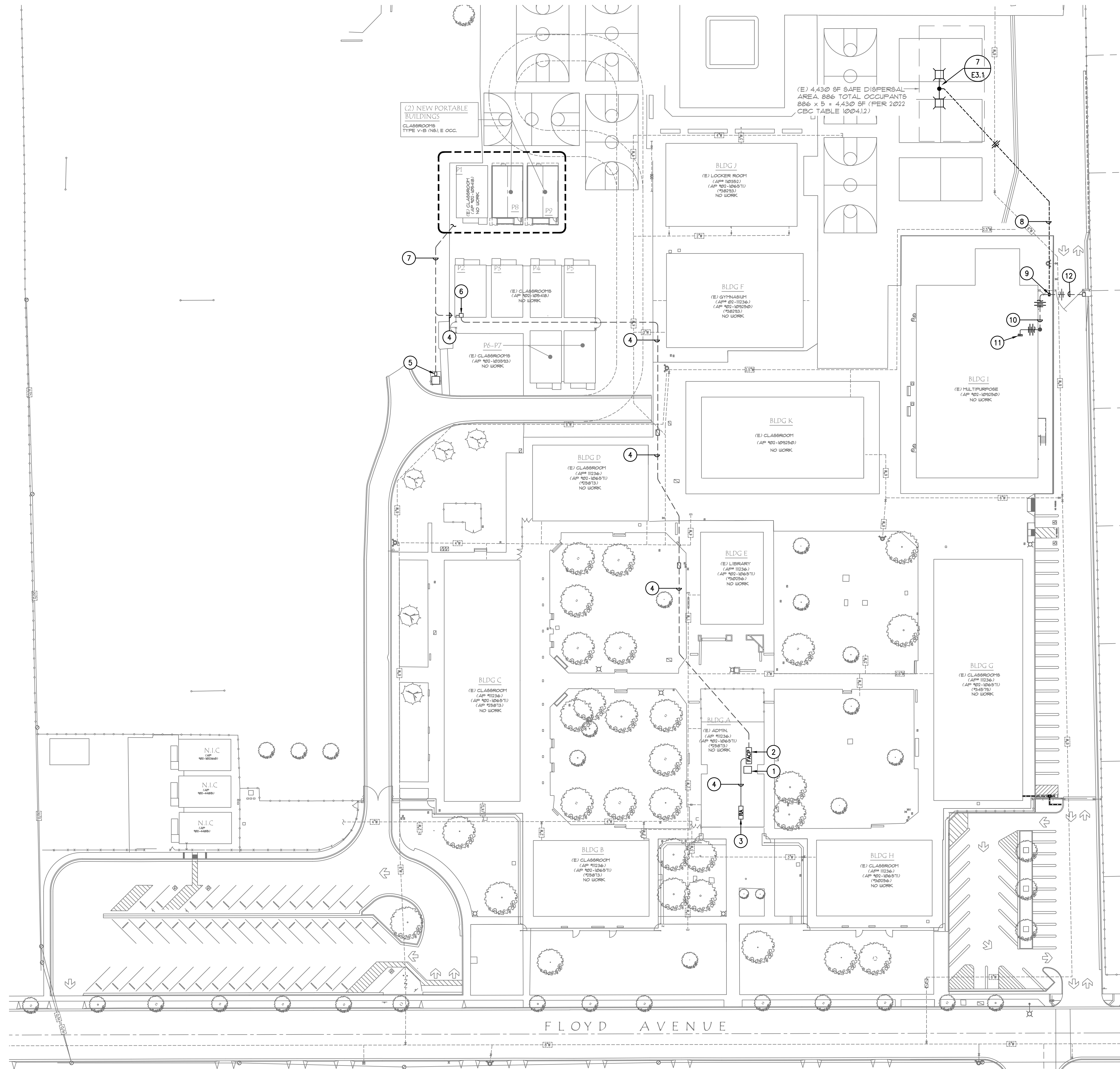
BY: Z.D.  
 LIST: SYLVAN  
 DATE: 02/26/2024  
 JOB: 23MO26

SHEET: **EO.3**



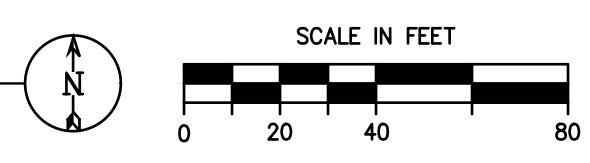
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03/04/24 4:34:08 PM F:\24\060\_SUSD\_PORTABLES\_AT\_VARIOUS\ENGR\SHEETS\060\_E1.0\_OVERALL\_SITE\_PLAN - SOMERSET.DWG cmendez



- ## PLAN NOTES:**
- BOGEN MC200 HEADEND -CONNECT (N) SPEAKERS WITHIN (N) PORTABLES.
  - REPLACE INTERNAL COMPONENTS AT (E) FACP LOCATION -SEE FIRE ALARM RISER DIAGRAM FOR SCOPE OF WORK.
  - REPLACE (E) REMOTE ANNUNCIATOR AT MAIN OFFICE AREA TO BE COMPATIBLE W/(N) FACP MAINBOARD & W/MICROPHONE.
  - APPROXIMATE ROUTING OF COMMUNICATION PATHWAYS -INSTALL (N) CABLES AS REQD.
  - (E) PANEL "A" -CONNECT (N) PORTABLES ONTO (E) SPARE BREAKERS.
  - (E) IDF -TERMINATE (N) CAT-6 CABLES ONTO (N) PATCH PANEL AS MAYBE REQD.
  - APPROX ROUTING OF 3-1 1/2" (POWER) & (3) 1 1/2" (SIGNAL).
  - (N) 3/4" C. W/#10AWG CONDUCTORS -INSTALL PER 5/E3.1.
  - INTERCEPT (E) 1" CONDUIT TO GATE OPERATOR W/(NO) N-16 PULLBOX W/METAL LID NEXT TO (E) CURB.
  - (E) 1" C. W/(N) #10AWG CONDUCTORS SHOWN TO (E) PANEL "LL"
  - (E) PANEL "LL" -CONNECT ONTO (E) 20A-1P SPARE BREAKER & LABEL AS "POLE LT PLAYGROUND".
  - RECONNECT (E) GATE OPERATOR W/(N) #10AWG CONDUCTORS.

**1 OVERALL SITE PLAN - ELECTRICAL**  
SCALE: 1"=40'-0"



IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122155 INC.  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 3/5/2024

**skw** associates  
architecture, engineering & surveying  
2257 scenic drive, modesto, ca 95350  
tel: 209-529-7804

REGISTERED ARCHITECT  
KEVIN L. STARCK  
NO. 122205  
EXPIRES 12-31-2025  
STATE OF CALIFORNIA

PROJECT TITLE:  
SYLVAN UNION ELECTRICAL DISTRICT  
SOMERSET MIDDLE SCHOOL  
(2) NEW PORTABLE CLASSROOMS  
1057 Floyd Ave  
MODESTO, CA 95350

SHEET TITLE:  
OVERALL SITE PLAN - ELECTRICAL

REVISIONS:

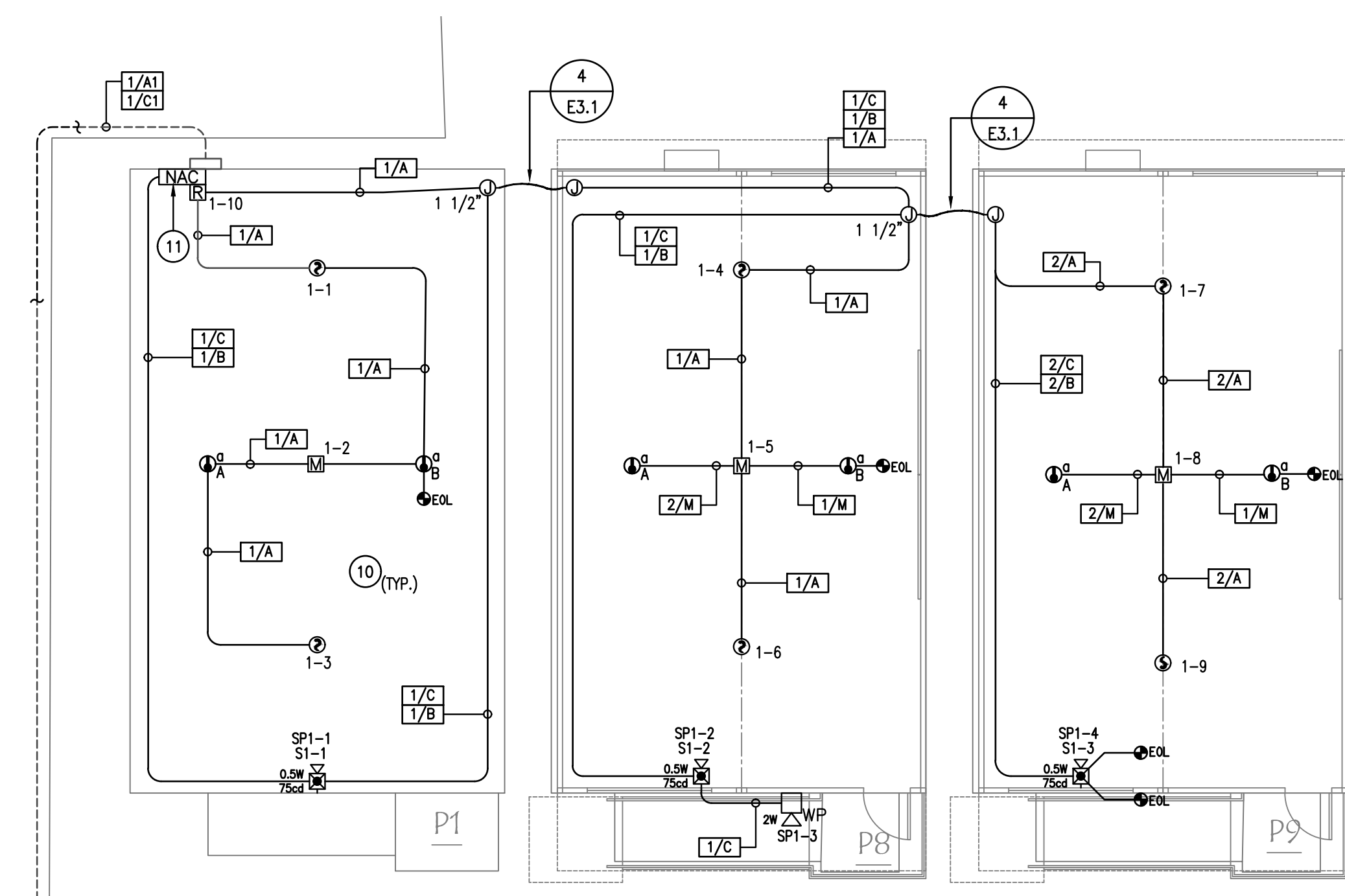
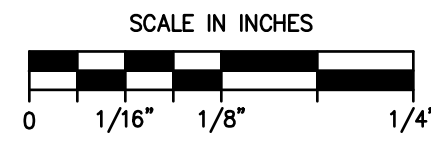
REGISTERED PROFESSIONAL ENGINEER  
KEVIN L. PEZZONI  
NO. 16269  
EXP. 12/31/24  
STATE OF CALIFORNIA

**PEZZONI ENGINEERING, INC.**  
CONSULTING ELECTRICAL ENGINEERS  
1150 9th Street, Suite #1415 Modesto, CA 95354  
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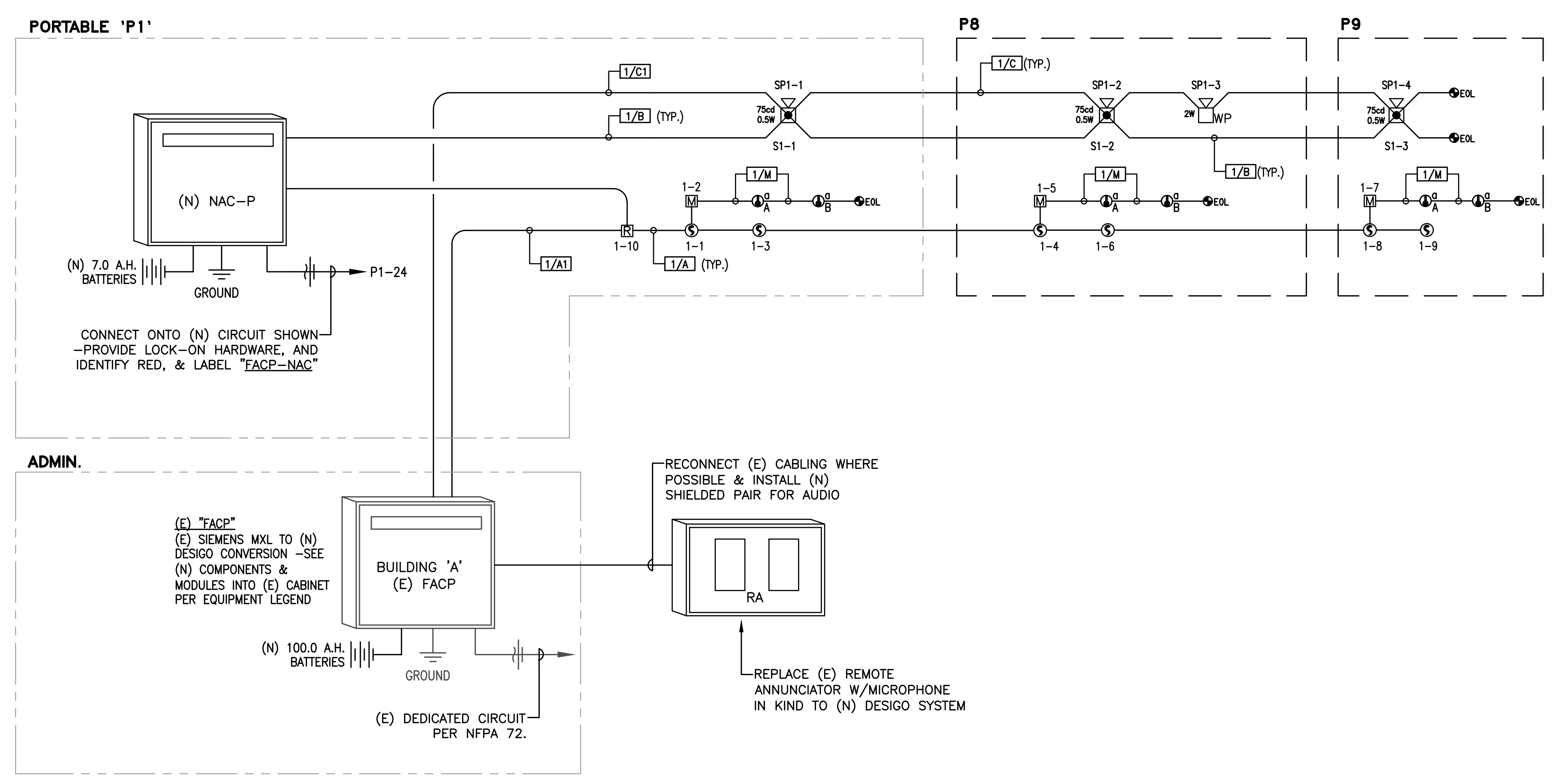
BY: Z.D.  
LIST: SYLVAN  
DATE: 02/26/2024  
JOB: 25MO26  
SHEET: E1.0



02/26/24 10:28:41 AM F:\24\060 SUSD PORTABLES AT VARIOUS\ENGR\SHEETS\060\_E2.0 FLOOR PLAN - SOMERSET.DWG cmendez

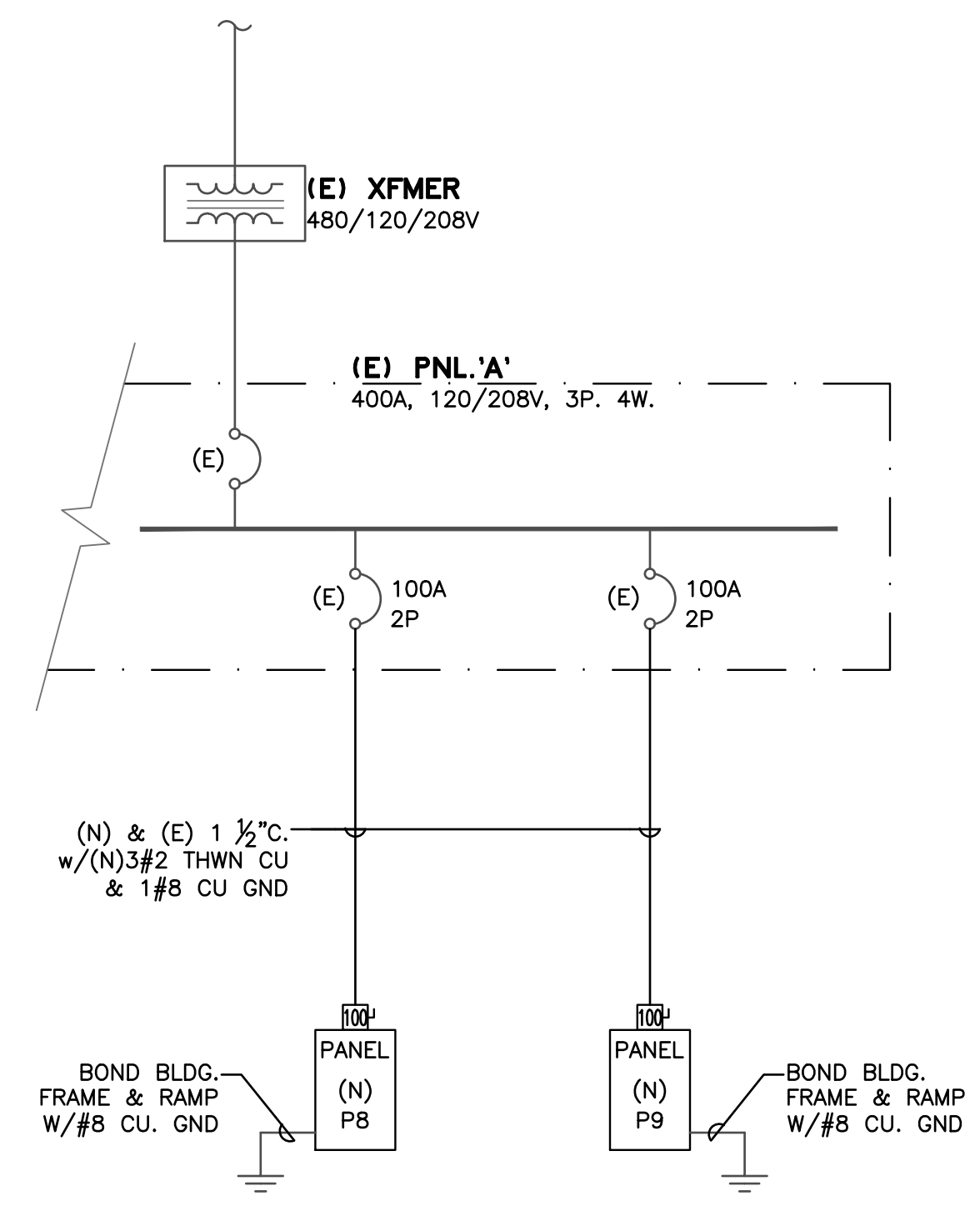


1 PORTABLES FLOOR PLAN - FIRE ALARM  
SCALE: 1/8"=1'-0"

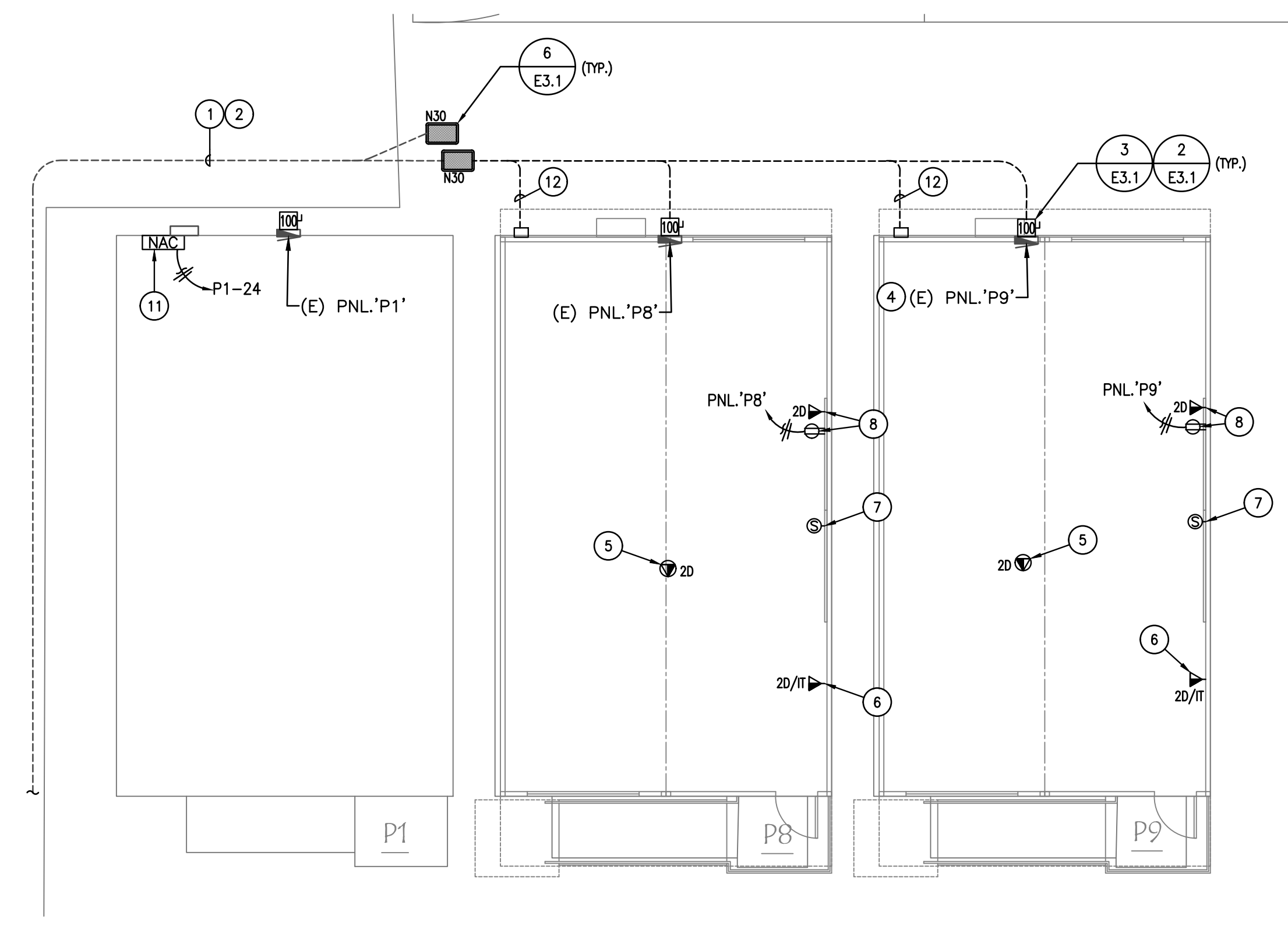


3 FIRE ALARM RISER DIAGRAM  
SCALE: NTS

- PLAN NOTES:**
- (E) 3- 1 1/2" C. W/ COMM CABLES AS REQD.
  - (E) 3-1 1/2" W/PORT FEEDERS PER SINGLE LINE DIAGRAM.
  - (N) 1 1/2" W/PORTABLE FEEDER PER SINGLE LINE DIAGRAM & (N) 1 1/2" C. W/COMM TO EACH (N) PORTABLE.
  - (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
  - INTERCEPT (E) CONDUIT IN TRENCH & EXTEND TO (N) PULL BOXES.
  - REPLACE (E) FIRE ALARM DEVICES IN KIND W/(N) SHOWN -RETURN (E) DEVICES TO DISTRICT FOR STOCK SPARE
  - INSTALL (N) NAC PANEL & RELAY MODULE IN (E) PORTABLE -INSTALL (N) 20A CKT FROM (E) PANEL AS SHOWN W/(N) 20A-1P BREAKER
  - (N) 1 1/2" (COMM) W/(N) LOW VOLTAGE CABLES FROM IDF & BOGEN HEADEND -SEE DETAIL 3/E3.1.



4 PARTIAL SINGLE LINE DIAGRAM  
SCALE: NTS



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

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DATE: 3/5/2024

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2257 scenic drive, Modesto, CA 95355 P: 209-529-7804

David J. Starck  
architect  
c.22903  
Allan V. Stevenson  
civil engineer  
roc 67758



PROJECT TITLE:  
SYLVAN UNION SCHOOL DISTRICT  
SOMERSET MIDDLE SCHOOL  
(2) NEW PORTABLE CLASSROOMS  
1057 Floyd Ave  
MODESTO, CA 95350

PORTABLE FLOOR PLAN - ELECTRICAL

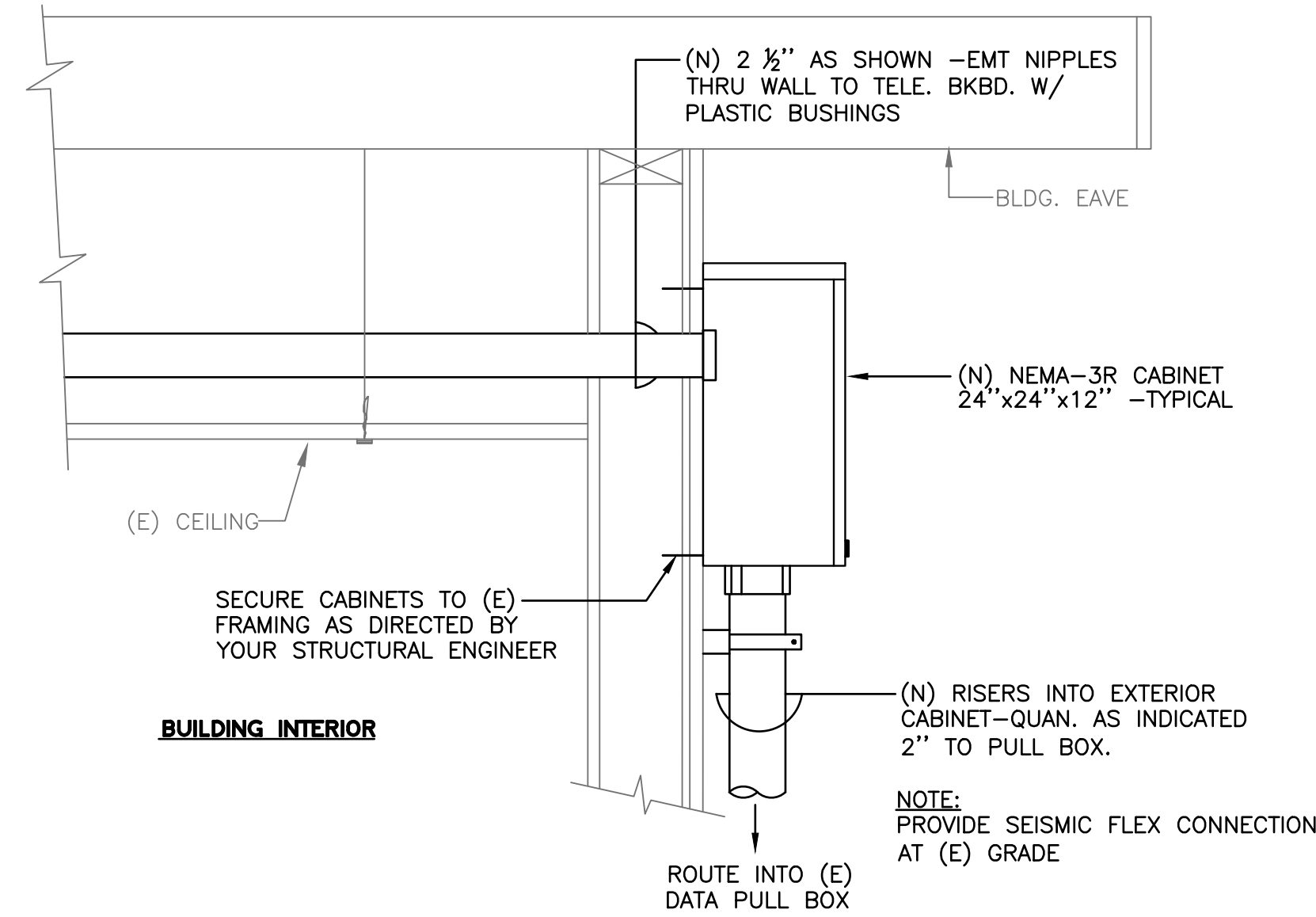
SHEET TITLE:  
REVISIONS:

BY: Z.D.  
LIST: SYLVAN  
DATE: 02/26/2024  
JOB: 23MO26  
SHEET: E2.0

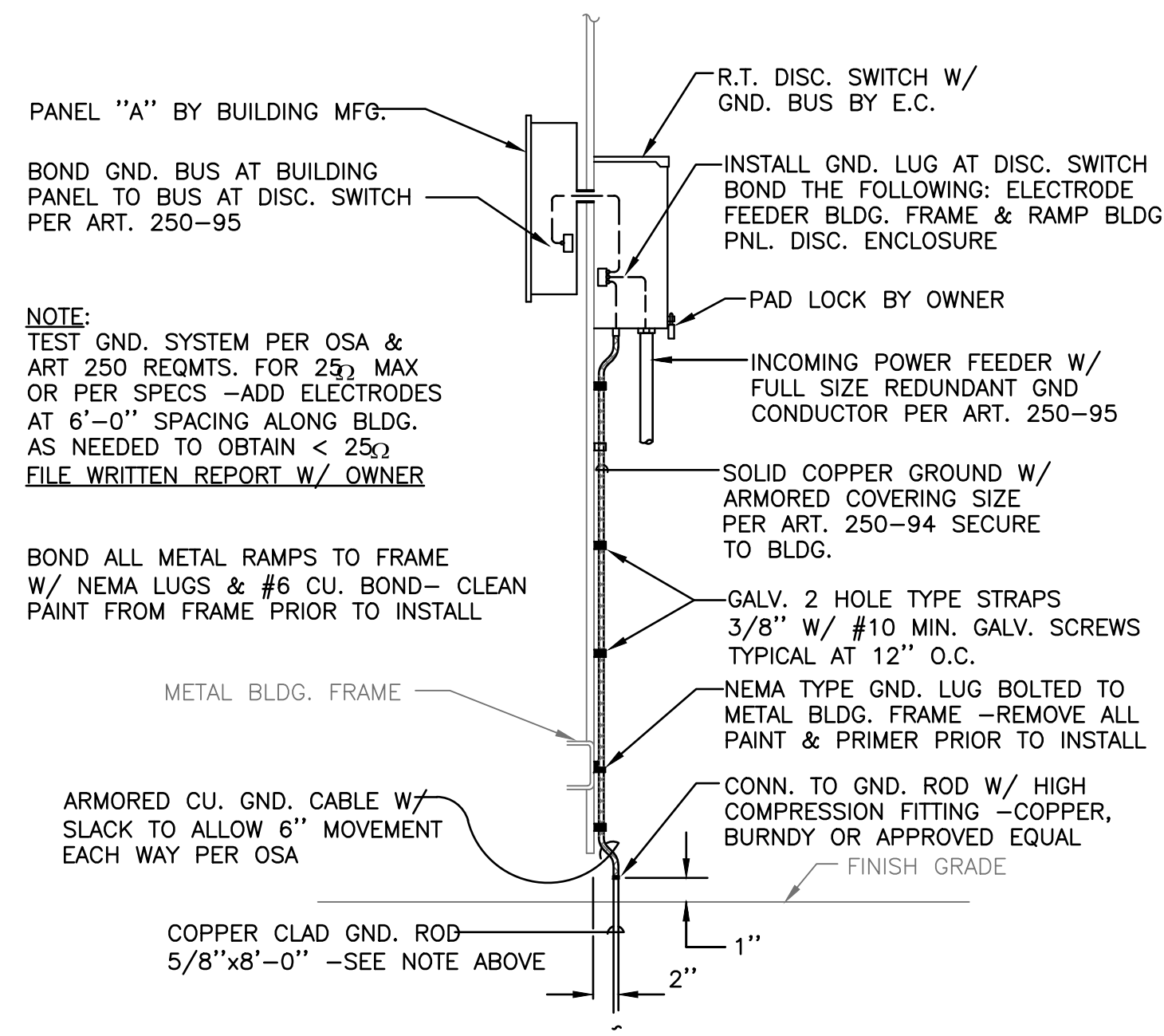
**PEZZONI ENGINEERING, INC.**  
CONSULTING ELECTRICAL ENGINEERS  
1150 9<sup>th</sup> Street, Suite #1415 Modesto, CA 95354  
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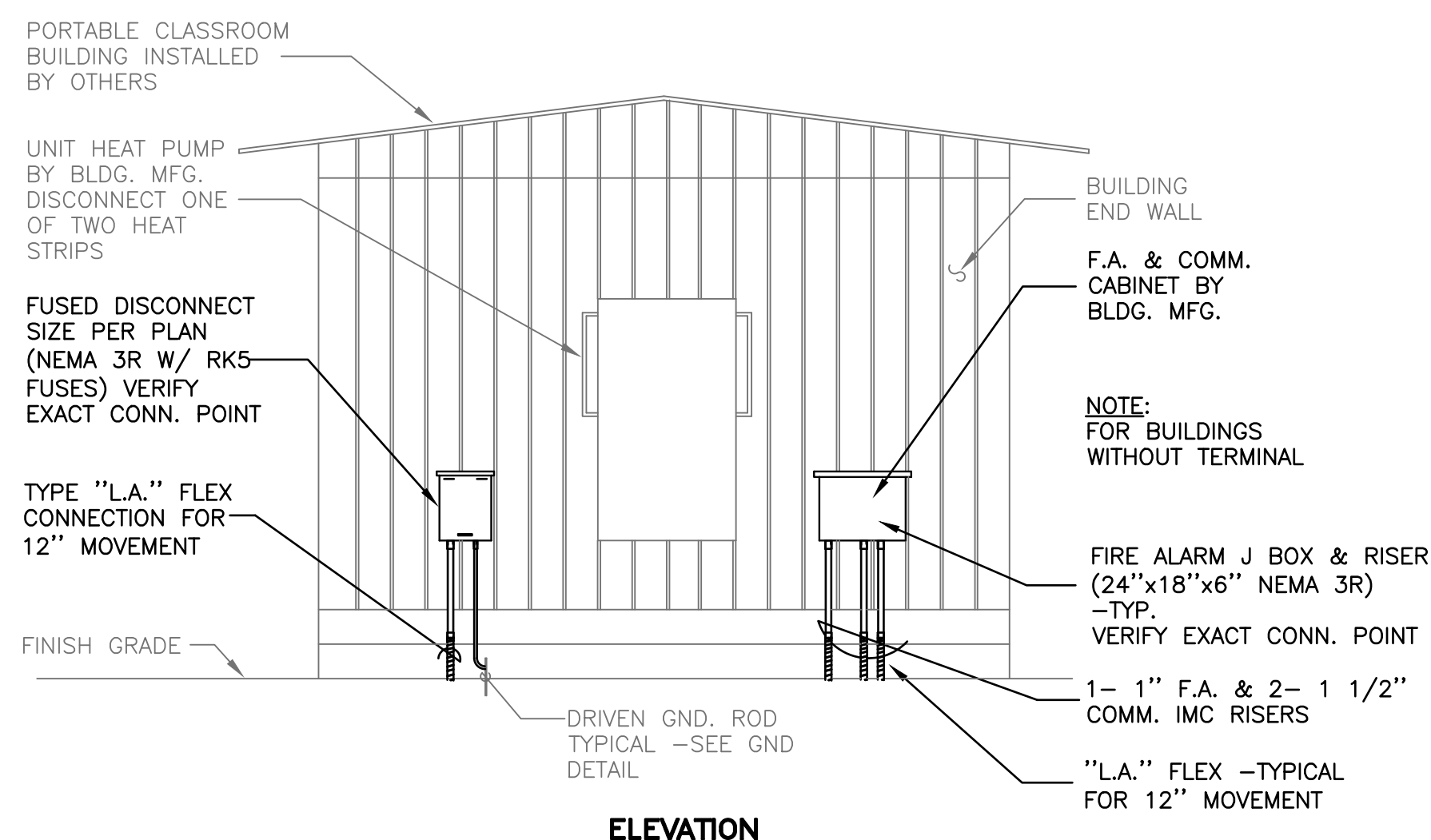
02/26/24 10:28:47 AM F:\2\060\_SUSD\_PORTABLES\_AT\_VARIOUS\ENGR\SHEETS\060\_E3.1 ELECTRICAL DETAILS.DWG cmenendez



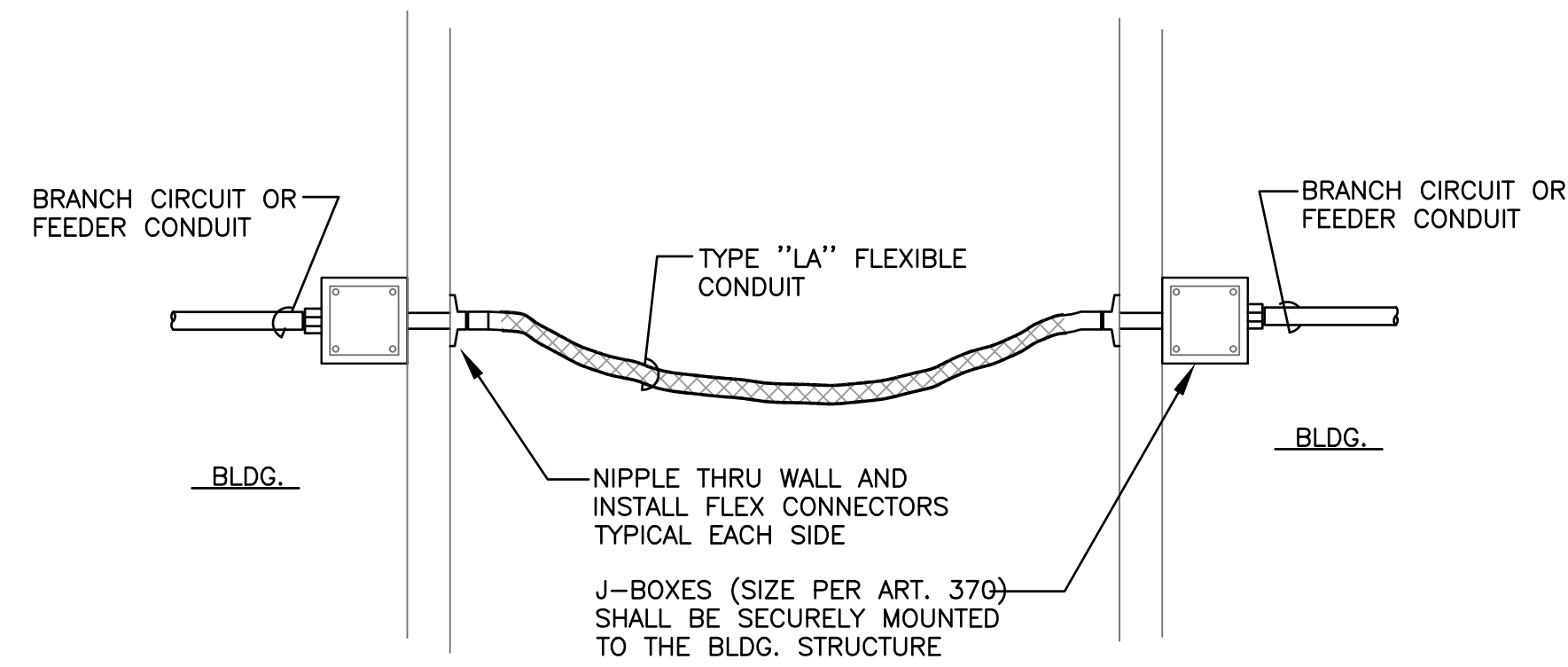
1 COMMUNICATION CONNECTION AT BLDG. SCALE: N.T.S.



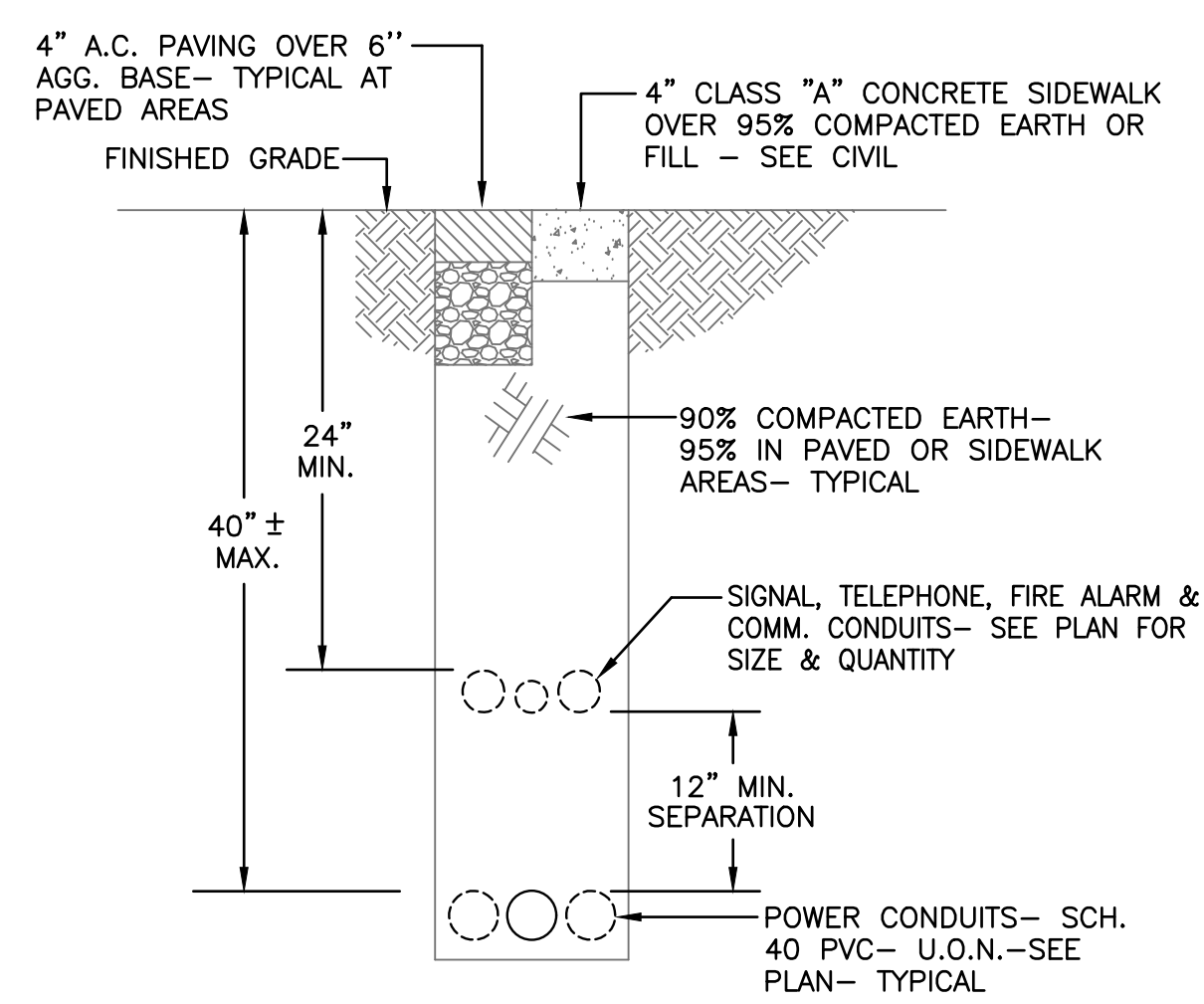
2 PORTABLE BUILDING GROUND (TYP.) SCALE: N.T.S.



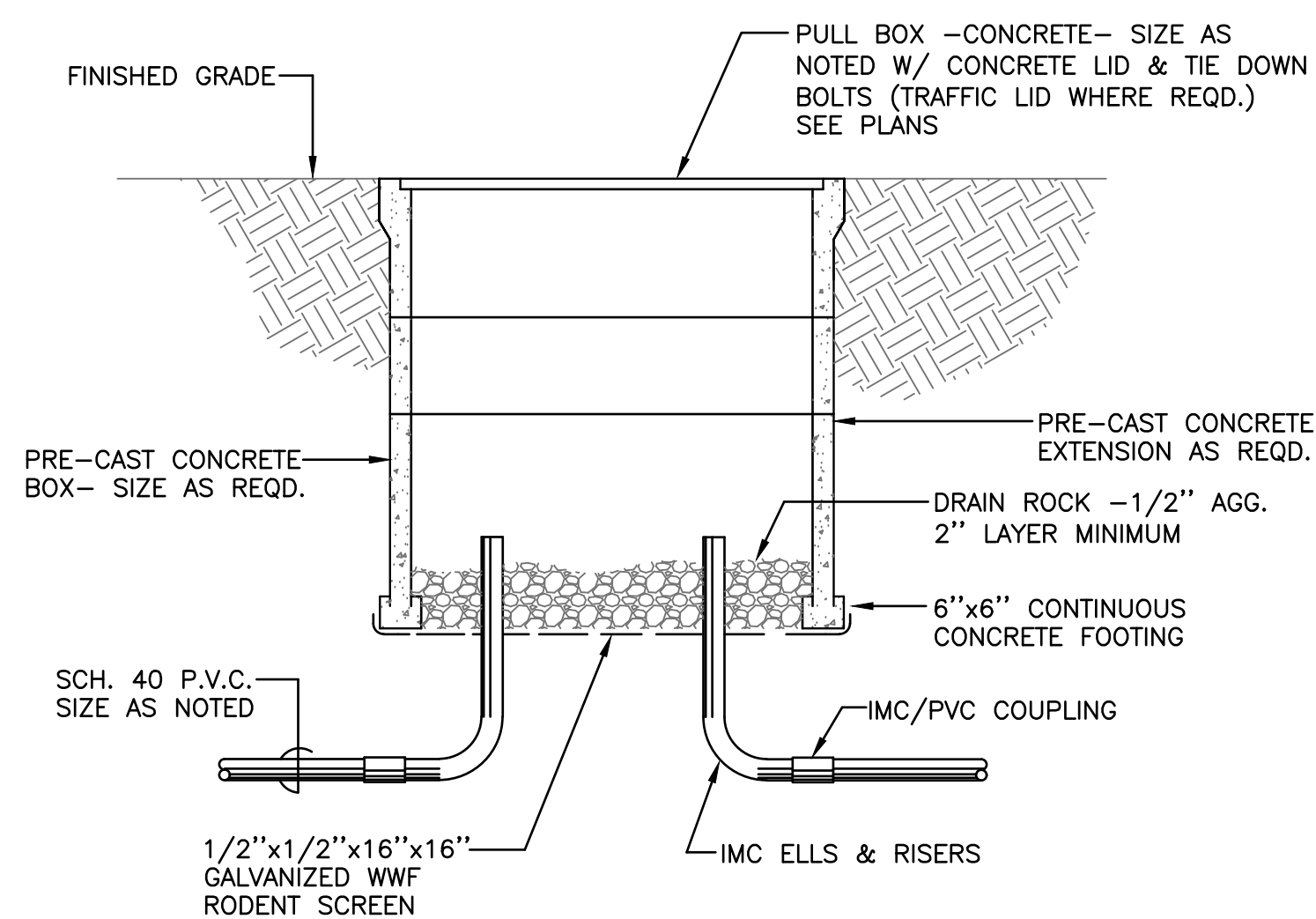
3 UNDERGROUND CONNECTION AT PORTABLE SCALE: N.T.S.



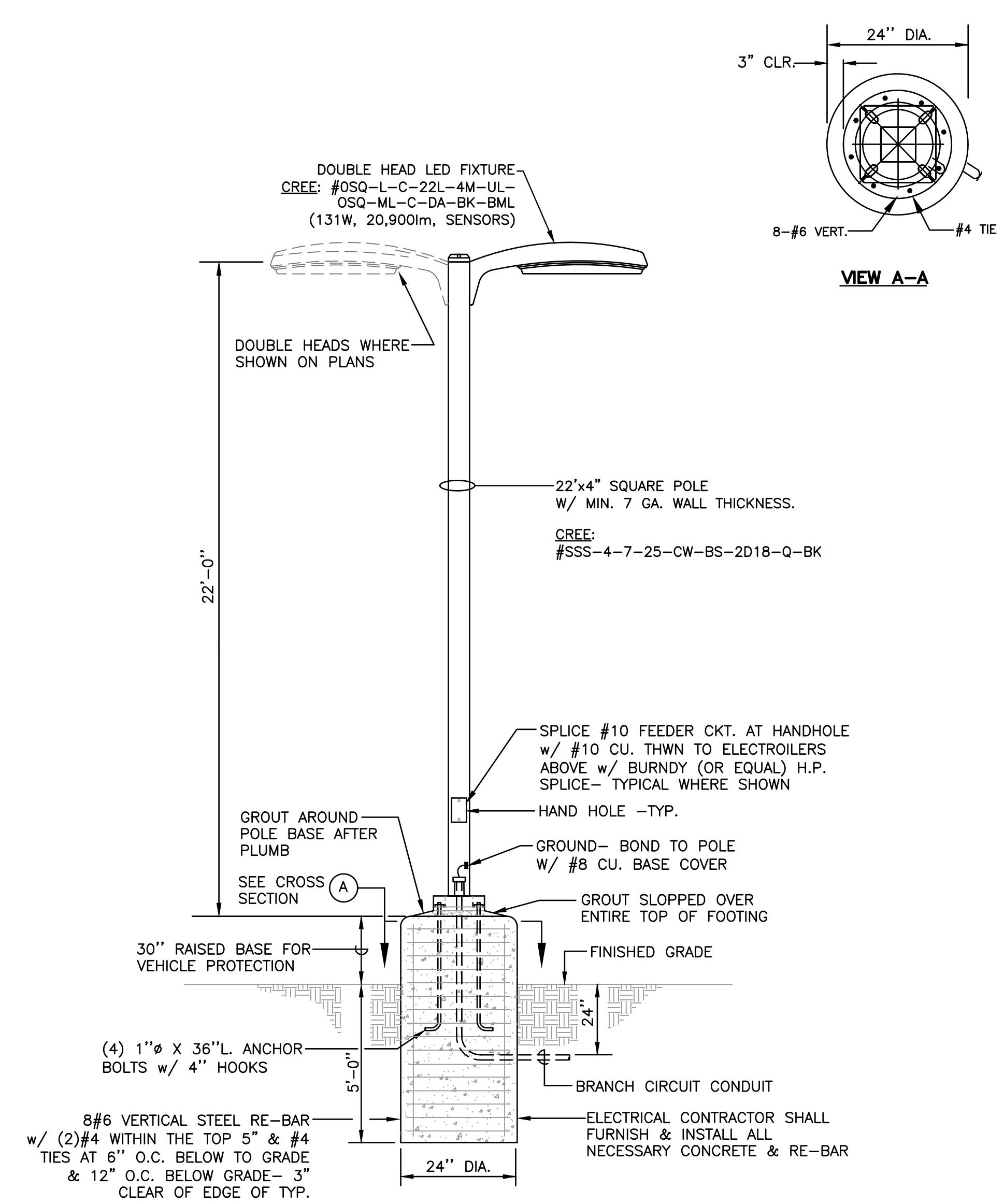
4 SEISMIC CONDUIT BETWEEN BLDGS. SCALE: N.T.S.



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



6 PULL BOX (TYP.) SCALE: N.T.S.



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

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-122155 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. Starck architect c.22903 Allan V. Stevenson civil engineer roc 67758



PROJECT TITLE: SYLVAN UNION SCHOOL DISTRICT SOMERSET MIDDLE SCHOOL (2) NEW PORTABLE CLASSROOMS 1057 Floyd Ave Modesto, CA 95350

ELECTRICAL DETAILS SHEET TITLE: REVISIONS:



PEZZONI ENGINEERING, INC. CONSULTING ELECTRICAL ENGINEERS 1150 9th Street, Suite #1415 Modesto, CA 95354 PHONE: 209-354-4802 HTTP://WWW.PEZZONI.COM PEZZONI ENGINEERING, INC. © Copyrighted 2024

BY: Z.D. LIST: SYLVAN DATE: 02/26/2024 JOB: 23MO26 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 SOMERSET MIDDLE 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 SCHEDULES
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'

SHEET	FOUNDATION
F-0.02	WOOD FOUNDATION PLAN - 24' x 40' (50+15 PSF)
F-0.50	FOUNDATION DETAILS - WOOD

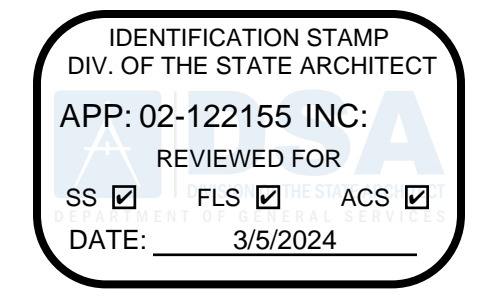
SHEET	STRUCTURAL
S-0.1	STRUCTURAL SPECIFICATIONS
S-1.01	FLOOR FRAMING PLAN - WOOD FLOOR
S-1.50	FLOOR FRAMING DETAILS - WOOD FLOOR
S-2.01	ROOF FRAMING PLAN - MONO SLOPE
S-2.50	ROOF FRAMING DETAILS - MONO SLOPE
S-2.60	ROOF FRAMING DETAILS
S-2.90	ROOF FRAMING DETAILS - TRUSS
S-3.01	BUILDING SECTION - MONO SLOPE
S-5.00	WALL FRAMING ELEVATIONS - WOOD STUDS
S-5.10	WALL FRAMING DETAILS - WOOD STUDS
S-5.11	WALL FRAMING DETAILS - WOOD STUDS

SHEET	PLUMBING
P-1.01	PLUMBING DETAILS AND SCHEDULE

SHEET	MECHANICAL
M-0.1	MECHANICAL NOTES, SCHEDULES, AND DETAILS
M-1.01	MECHANICAL PLAN - WALL MOUNT - 24' x 40'

SHEET	ELECTRICAL
E-1.01	ELECTRICAL PLAN AND SCHEDULE - 24' x 40'

SHEET	RAMP
R-1.01	RAMP LANDING
R-2.01	RAMP DETAILS



PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:  
**SYLVAN USD  
SOMERSET M.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: 11479  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 02-27-2023  
P.C. SHEET NUMBER

**A-0N**

TOTAL SHEETS 47

### 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 (CA 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/A17.1A 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

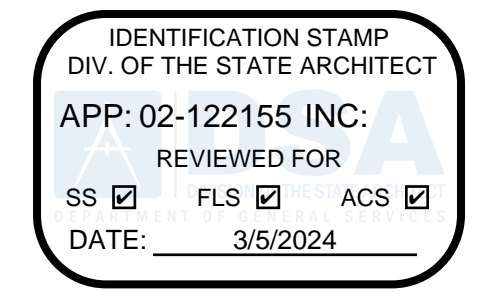
NUMBER OF STORIES:	1 - STORY
OCCUPANCY:	E or B
TYPE OF CONSTRUCTION:	V-B
FLOOR LIVE LOAD:	50+15 PSF PARTITION LOAD
ROOF LIVE LOAD:	20 PSF
FLOOR DEAD LOAD:	WOOD FLOOR - 11 PSF
ROOF DEAD LOAD:	18 PSF (INCLUDING SPRINKLER LOAD AND SOLAR ALLOWANCE)
SOLAR ALLOWANCE:	0.6 PSF OVER ENTIRE ROOF AREA
RAMP LIVE 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	
<b>ALLOWABLE SOIL PRESSURE</b>	
WOOD FOOTING (DL & DL+LL & DL+LL+SEISMIC)	1,000 psf
CONCRETE FOOTING (DL & DL+LL & DL+LL+SEISMIC)	1,500 psf
<b>ROOF SNOW LOAD</b>	
GROUND SNOW LOAD, P <sub>g</sub> FROM COUNTY	0
ROOF SNOW LOAD: FLAT P <sub>g</sub>	
SNOW EXPOSURE FACTOR C <sub>e</sub>	-
SNOW IMPORTANCE FACTOR I <sub>s</sub>	1.0
THERMAL FACTOR C <sub>t</sub>	-
<b>FLOOD DESIGN</b> (SEE GENERAL NOTE #16 + 17)	
FLOOD HAZARD AREA	NO
<b>WIND DESIGN</b>	
BASIC WIND SPEED (3 SECOND GUST) V <sub>ult</sub>	120
RISK CATEGORY	II
WIND EXPOSURE CATEGORY	C
TOPOGRAPHIC FACTOR K <sub>zt</sub>	1
<b>SEISMIC DESIGN</b>	
LATERAL FORCE-RESISTING SYSTEM	OMF
ANALYSIS PROCEDURE	EQUIV. LATERAL FORCE
SEISMIC DESIGN CATEGORY (SDC)	D
SEISMIC IMPORTANCE FACTOR I <sub>e</sub>	1.0
SEISMIC RESPONSE COEFFICIENT C <sub>s</sub>	0.45
RESPONSE MODIFICATION COEFFICIENT R	3.5
SITE CLASS	D
MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD S <sub>s</sub>	2.8
SHORT PERIOD SITE COEFFICIENT F <sub>s</sub>	1.2
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD S <sub>DS</sub>	2.23 +++
MAPPED SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD S <sub>1</sub>	0.918
LONG PERIOD SITE COEFFICIENT, F <sub>l</sub>	1.7
DESIGN SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD S <sub>DI</sub>	1.56
HORIZONTAL OR VERTICAL IRREGULARITY TYPES	NONE
REDUNDANCY FACTOR R <sub>ho</sub>	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 GROUND 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 <sub>s</sub> (PER ASCE 7-16 12.8.1.3) S <sub>DS</sub> = 1.56 ACTUAL PERIOD T = 0.34 SEC.	

SEISMIC DESIGN FOR SITE SPECIFIC PROJECTS	
<input checked="" type="checkbox"/>	DESIGN BASED ON SITE CLASS D <sub>default</sub>
NO GEOTECHNICAL INVESTIGATION REQUIRED	
S <sub>s</sub> = 0.66	F <sub>a</sub> = 1.27
<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 <sub>s</sub> = _____	F <sub>a</sub> = _____ 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 <sub>DS</sub> , 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 <sub>DS</sub> = 1/2 Fa S <sub>s</sub> = 0.558	
<input checked="" type="checkbox"/>	SITE CLASS C or D: 0.7 x S <sub>DS</sub> * = 0.7 x 0.558 = 0.391 ≤ 1.56
C <sub>s</sub> = 0.45 USED IN DESIGN	
SEISMIC DESIGN CATEGORY: <input checked="" type="checkbox"/> D <input type="checkbox"/> E	
* SITE SPECIFIC S <sub>DS</sub> 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<sub>s</sub>
  - 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

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PROJECT NAME:

**SYLVAN USD  
SOMERSET M.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



MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES  
24' x 40' PC

PROJECT NO: 11479

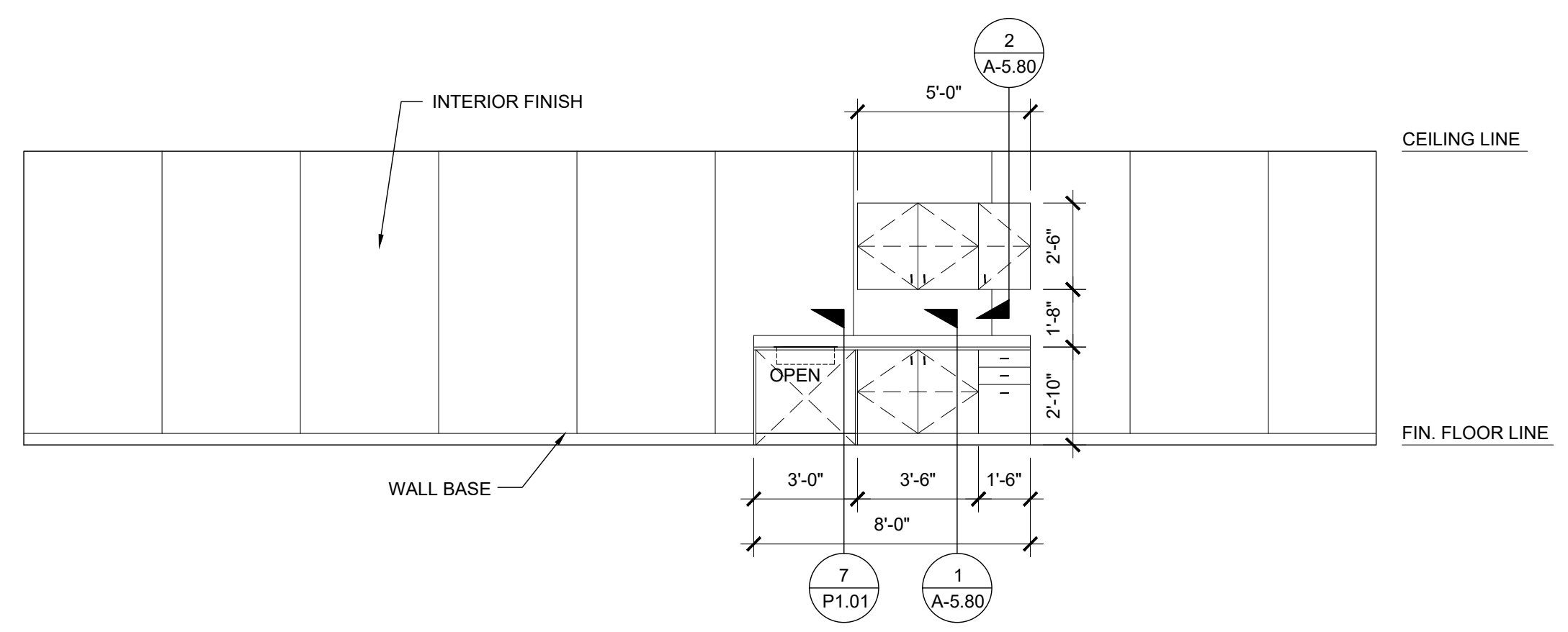
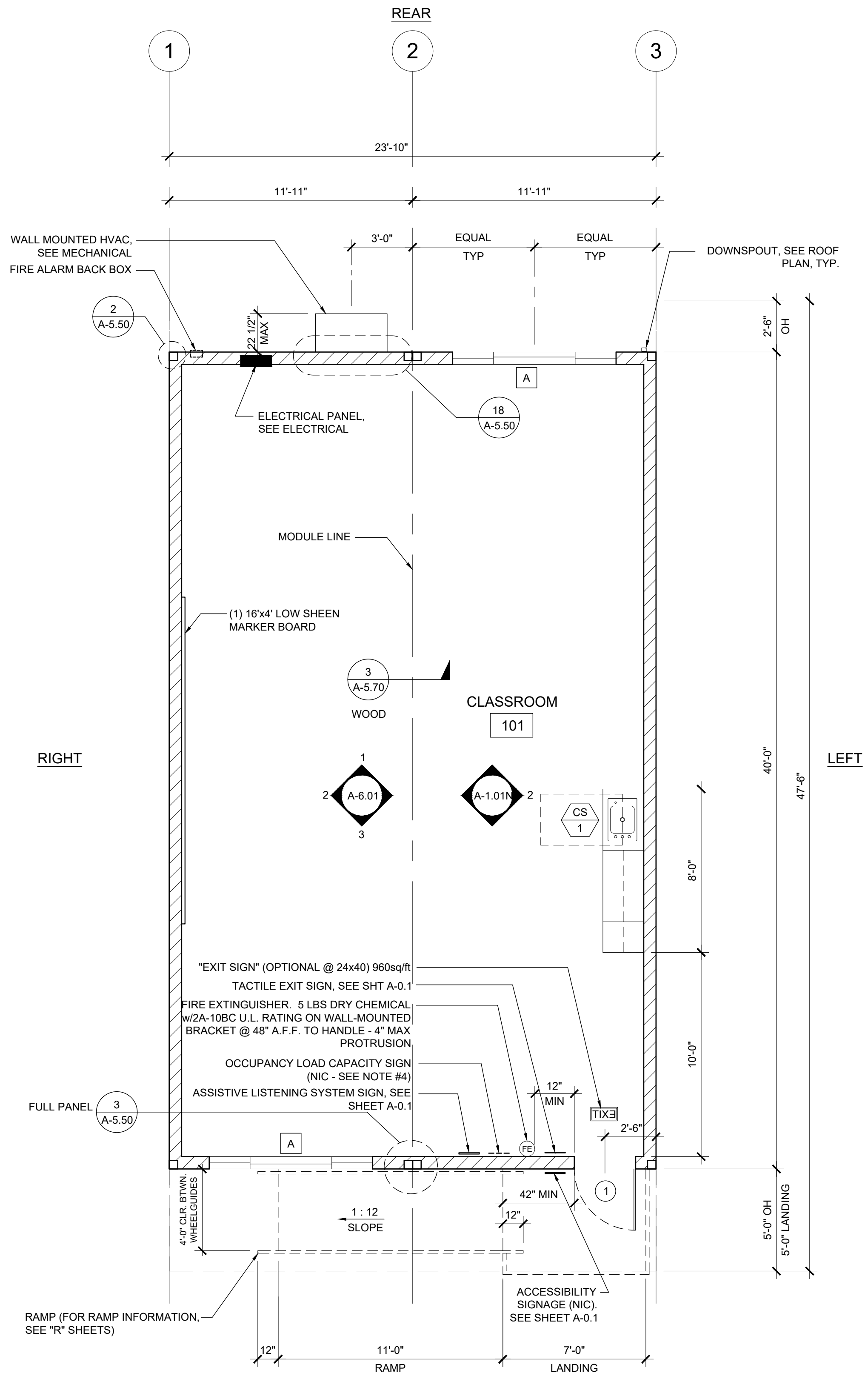
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

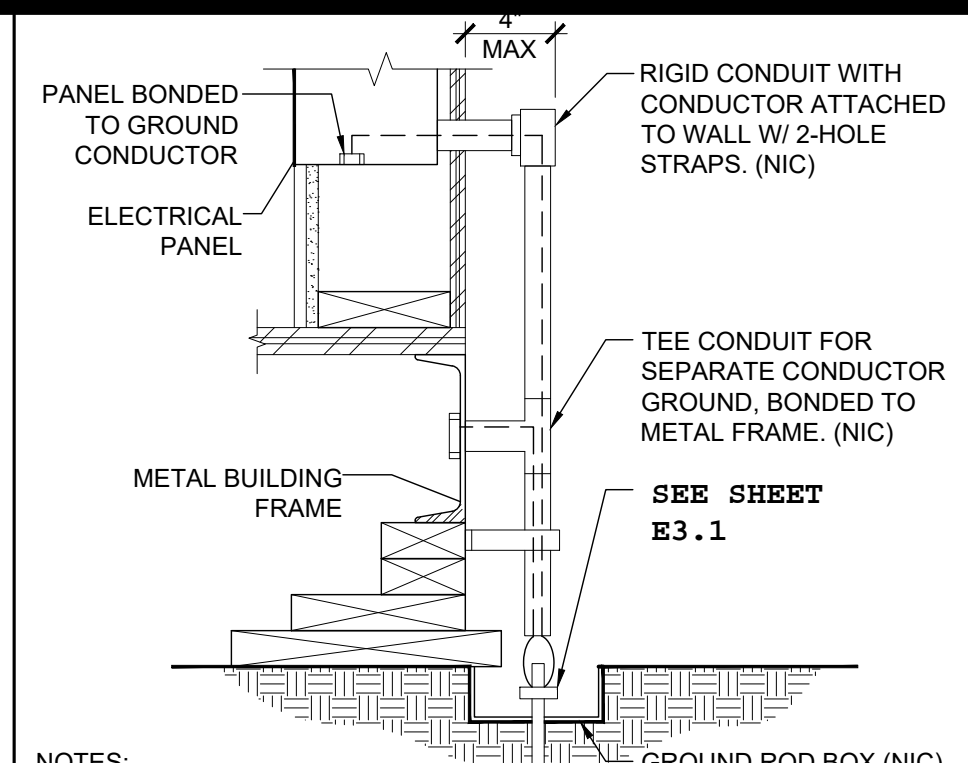
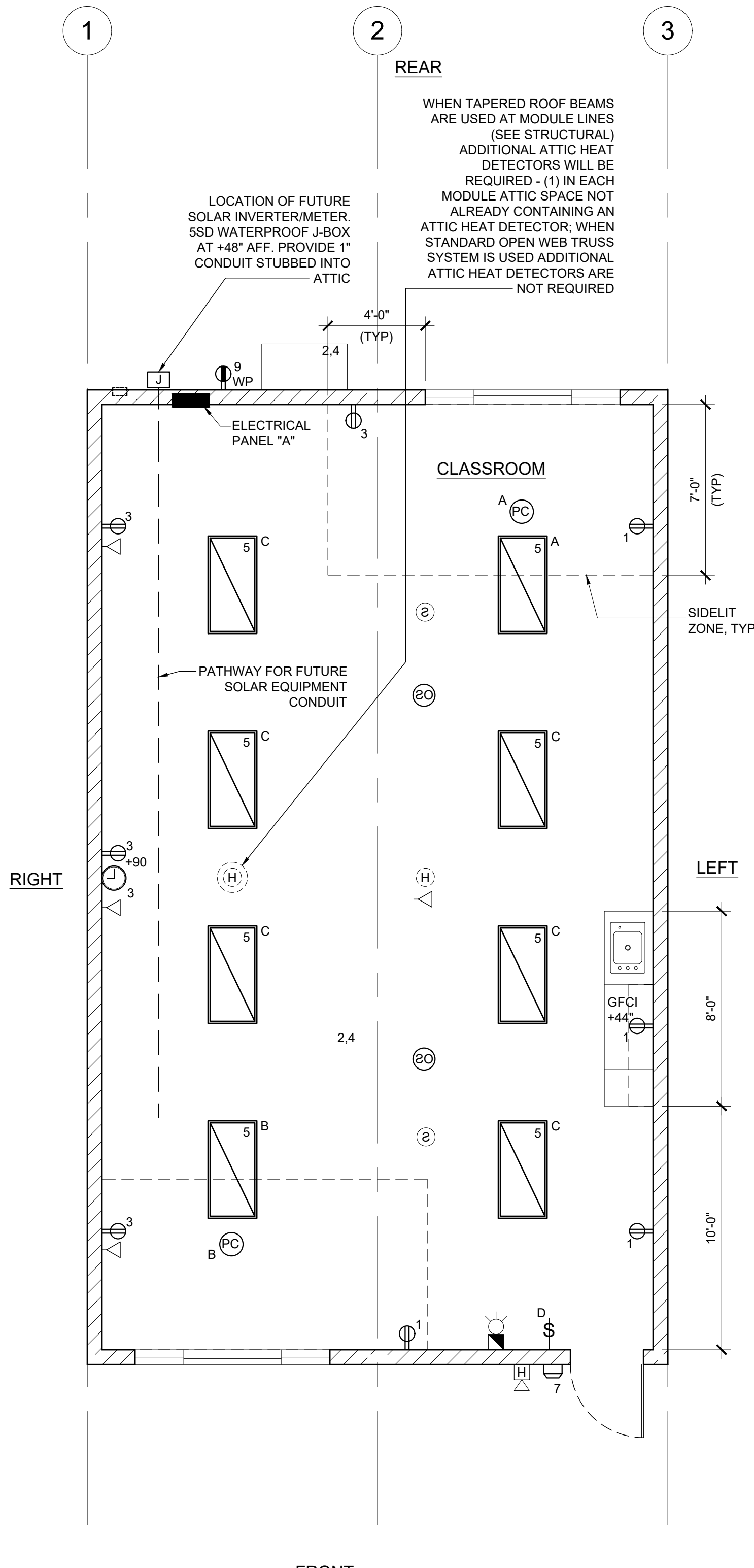
**A-1.01N**



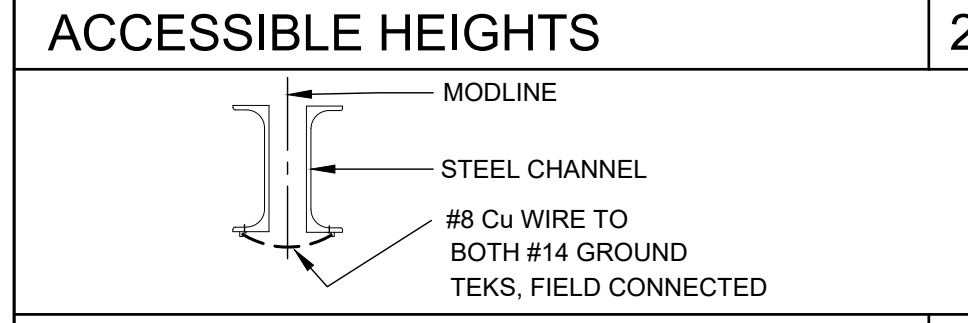
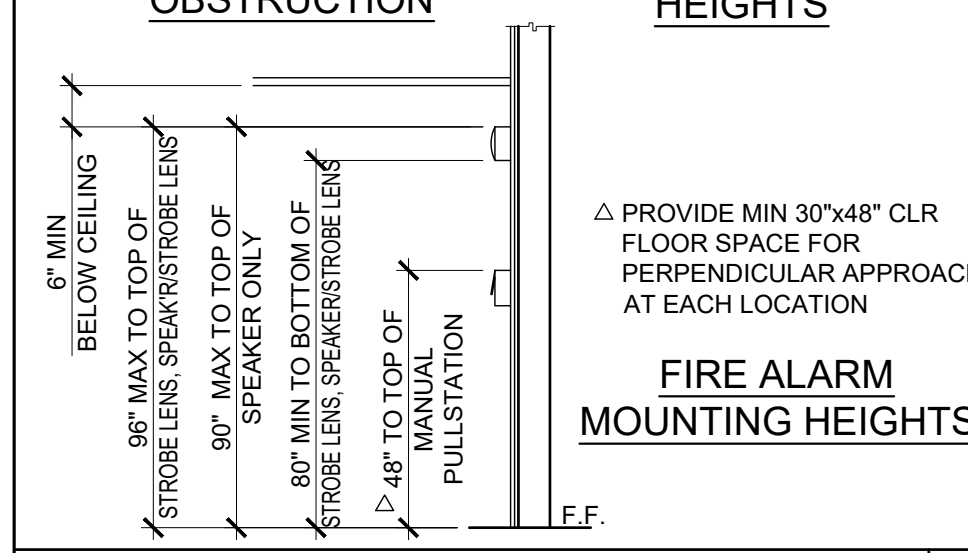
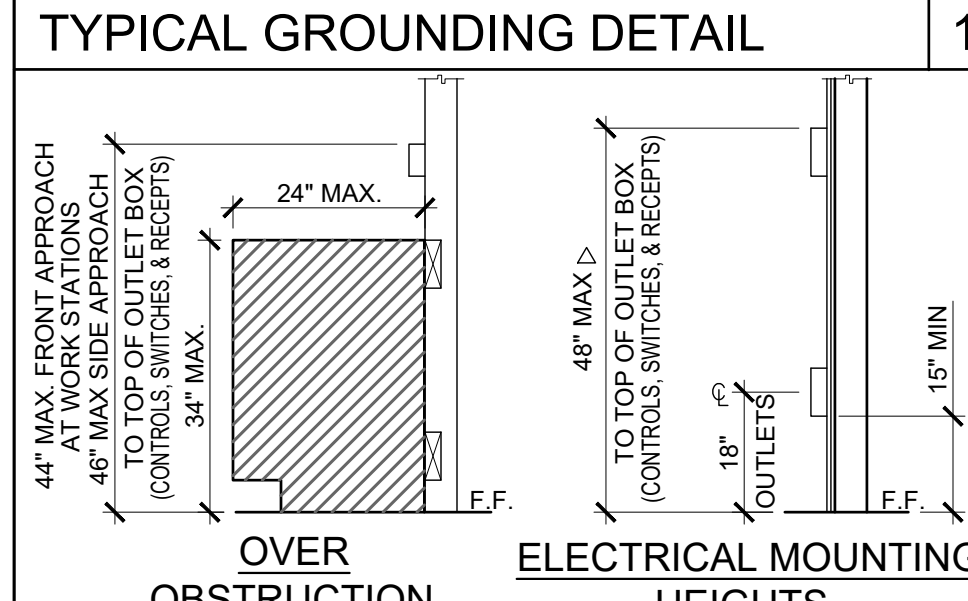
SIDE ELEVATION

FLOOR PLAN

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



- 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 ELECTRICAL 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).



**GROUND JUMPER AT MODLINE**

EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPER/CLAD STEEL GROUND ROD, WHERE ROCK BOTTOM IS ENCOUNTED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREES FROM THE VERTICAL, OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL).

TESTING: TEST FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCES TO 25 OHMS OR LESS. (BY SITE ELECTRICAL).

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.

GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR, ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.

**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 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

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

**PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE**

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 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 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)

WIRE SIZE	CAPACITY	WIRE TYPE	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	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

**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. WATTSTOPPER 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 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 (DEVICE 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: 02-122155 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  
SOMERSET M.S.  
(2) 24' x 40'  
CLASSROOM BUILDINGS**

SHEET TITLE:  
**ELECTRICAL PLAN  
AND SCHEDULE  
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



MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES  
24' x 40' PC  
PROJECT NO: 11479  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 02-27-2023

P.C. SHEET NUMBER  
**E-1.01N**

**ELECTRICAL PLAN**

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

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

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.

# 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 DETAILS - WOOD STUDS
A-3.31	ROOF PLAN - 24' x 40' - PARAPET - MONO OR DUAL SLOPE	S-5.11	WALL FRAMING DETAILS - WOOD STUDS
A-3.32	ROOF PLAN - 36' x 40' - PARAPET - MONO OR DUAL SLOPE	S-5.20	WALL FRAMING ELEVATIONS - STEEL STUDS
A-3.33	ROOF PLAN - 48' TO 120' x 40' - PARAPET - MONO SLOPE	S-5.30	WALL FRAMING DETAILS - STEEL STUDS
A-3.34	ROOF PLAN - 48' TO 120' x 40' - PARAPET - DUAL SLOPE	S-5.31	WALL FRAMING DETAILS - STEEL STUDS
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	SHEET	MECHANICAL
A-3.44	ROOF PLAN - 48' TO 120' x 40' - TPO - DUAL SLOPE	M-0.1	MECHANICAL NOTES, SCHEDULES, AND DETAILS
A-4.01	EXTERIOR ELEVATIONS - 24' x 40' - MONO OR DUAL SLOPE	M-1.01	MECHANICAL PLAN - WALL MOUNT - 24' x 40'
A-4.02	EXTERIOR ELEVATIONS - 36' x 40' - MONO SLOPE	M-1.02	MECHANICAL PLAN - WALL MOUNT - 36' x 40'
A-4.03	EXTERIOR ELEVATIONS - 36' x 40' - DUAL SLOPE	M-1.03	MECHANICAL PLAN - WALL MOUNT - 48' TO 120' x 40'
A-4.04	EXTERIOR ELEVATIONS - 48' TO 120' x 40' - MONO SLOPE	M-2.01	MECHANICAL PLAN - ROOF MOUNT - 24' x 40'
A-4.05	EXTERIOR ELEVATIONS - 48' TO 120' x 40' - DUAL SLOPE	M-2.02	MECHANICAL ROOF PLAN - ROOF MOUNT - 24' x 40'
A-4.21	EXTERIOR ELEVATIONS - 24' x 40' PARAPET - MONO OR DUAL SLOPE	M-3.01	MECHANICAL PLAN - ROOF MOUNT - 36' x 40'
A-4.22	EXTERIOR ELEVATIONS - 36' x 40' PARAPET - MONO OR DUAL SLOPE	M-3.02	MECHANICAL ROOF PLAN - ROOF MOUNT - 36' x 40'
A-4.23	EXTERIOR ELEVATIONS - 48' x 120' x 40' PARAPET - MONO OR DUAL SLOPE	M-4.01	MECHANICAL PLAN - ROOF MOUNT - 48' TO 120' x 40'
A-5.01	CROSS SECT. - MONO SLOPE	M-4.02	MECHANICAL ROOF PLAN - ROOF MOUNT - 48' TO 120' x 40'
A-5.02	CROSS SECT. - DUAL SLOPE	SHEET	ELECTRICAL
A-5.05	CROSS SECTION	E-1.01	ELECTRICAL PLAN AND SCHEDULE - 24' x 40'
A-5.50	ARCHITECTURAL DETAILS - WOOD STUD - SHTG	E-1.02	ELECTRICAL PLAN AND SCHEDULE - 36' x 40'
A-5.51	ARCHITECTURAL DETAILS - WOOD STUD - PLASTER	E-1.03	ELECTRICAL PLAN AND SCHEDULE - 48' TO 120' x 40'
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-6.01	INTERIOR ELEVATIONS - 24' x 40'
A-5.75	DETERIORATION PROTECTION - NON-WD SIDING - CONC FLR - STL STUDS	A-6.02	INTERIOR ELEVATIONS - 36' x 40'
A-5.76	DETERIORATION PROTECTION - STUCCO FINISH - CONC FLR - STL STUDS	A-6.03	INTERIOR ELEVATIONS - 48' TO 120' x 40'
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		

### 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 SEALLA EDITION 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
(NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")	
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

- 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.

### 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 103.05.3) <input type="checkbox"/> CONCRETE BELOW GRADE (SEE 103.05.3) (SEE 103.05.3) (SEE 103.05.3)
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 PR OR <input type="checkbox"/> LOW-SLOW, $P_{fl}$ OR <input type="checkbox"/> SLOPED, $P_s$	
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 $I_p$	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 $F_a$	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, $F_v$	1.7
DESIGN SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD $S_{D1}$	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 $S_1$ VALUES THAT ARE EQUAL TO OR GREATER THAN 0.2 ARE EXEMPTED FROM THE AROUND 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) $S_{DS} = 1.56$	

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

$S_s = 0.77$   $F_a = 1.2$

DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16

GEOTECHNICAL INVESTIGATION PROVIDED

SITE CLASS:  C  D

$S_s =$  \_\_\_\_\_  $F_a =$  \_\_\_\_\_ PER ASCE 7-16 SUPPL. 3, TABLE 11.4-1

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:  C  D

$S_{DS} = \frac{2}{3} F_a S_s = 0.616$

SITE CLASS C or D:  $0.7 \times S_{DS} = 0.7 \times 0.616 = 0.4312 \leq 1.56$

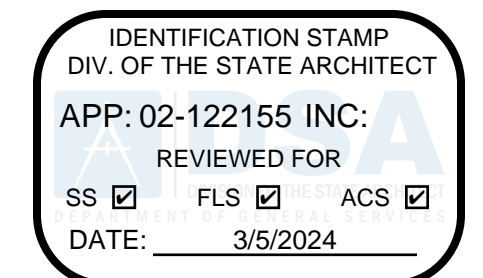
$C_s = 0.45$  USED IN DESIGN

SEISMIC DESIGN CATEGORY:  D  E

\* SITE SPECIFIC  $S_{DS}$  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

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  
SOMERSET M.S.  
(2) 24' x 40'  
CLASSROOM BUILDINGS**

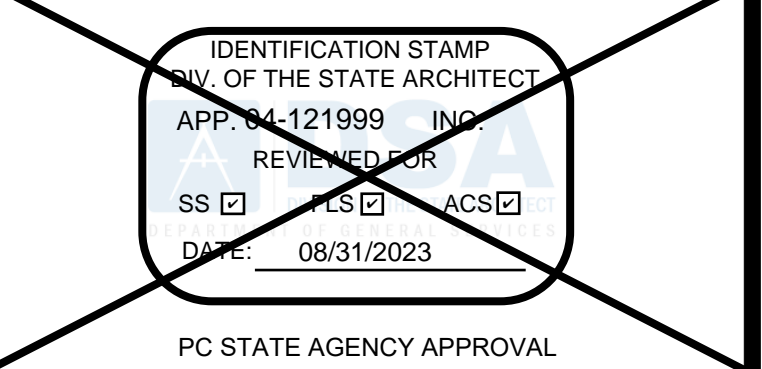
SHEET TITLE:

**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**









### 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 ALJURA 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.

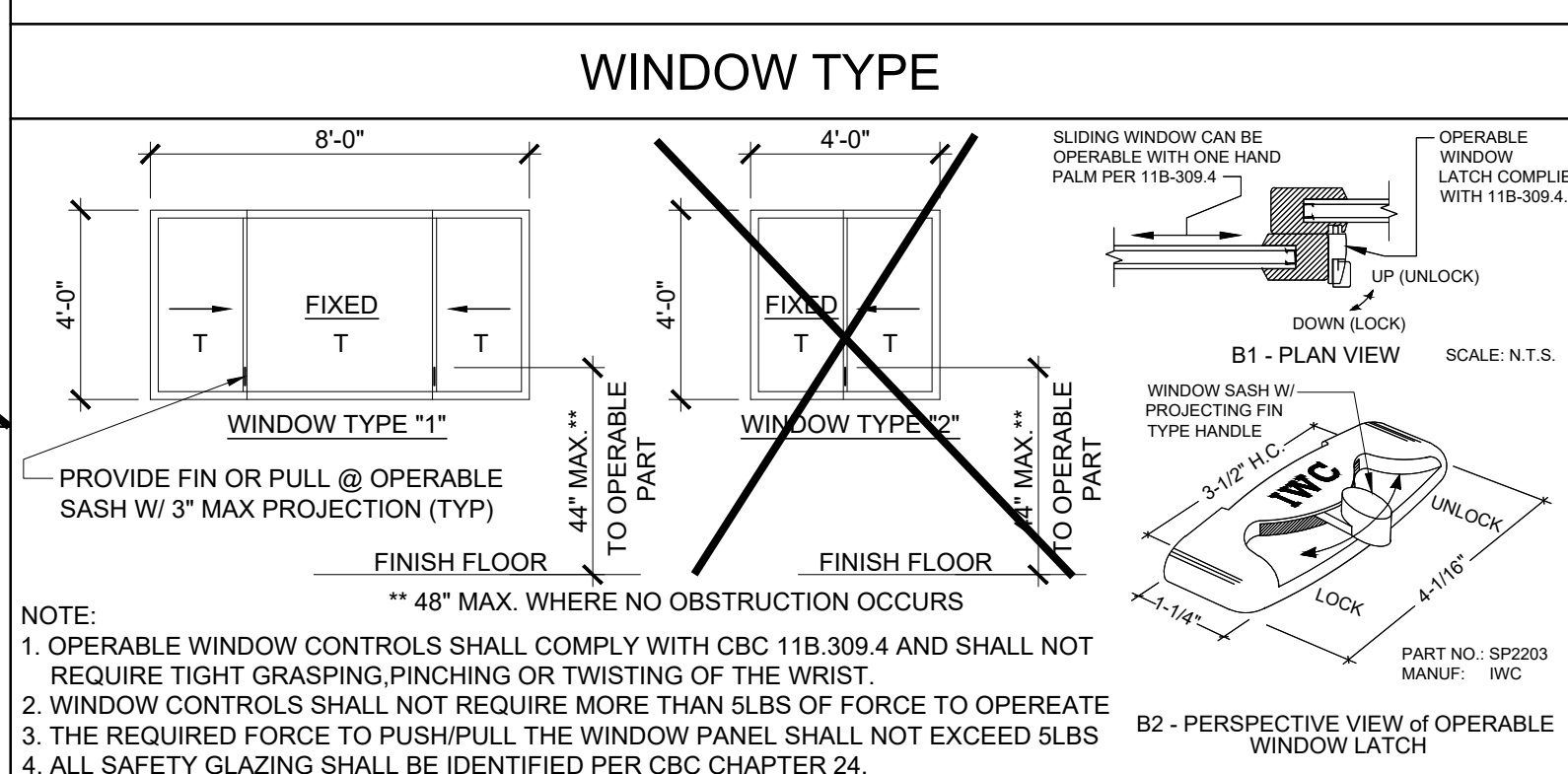
### WINDOW SCHEDULE

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.

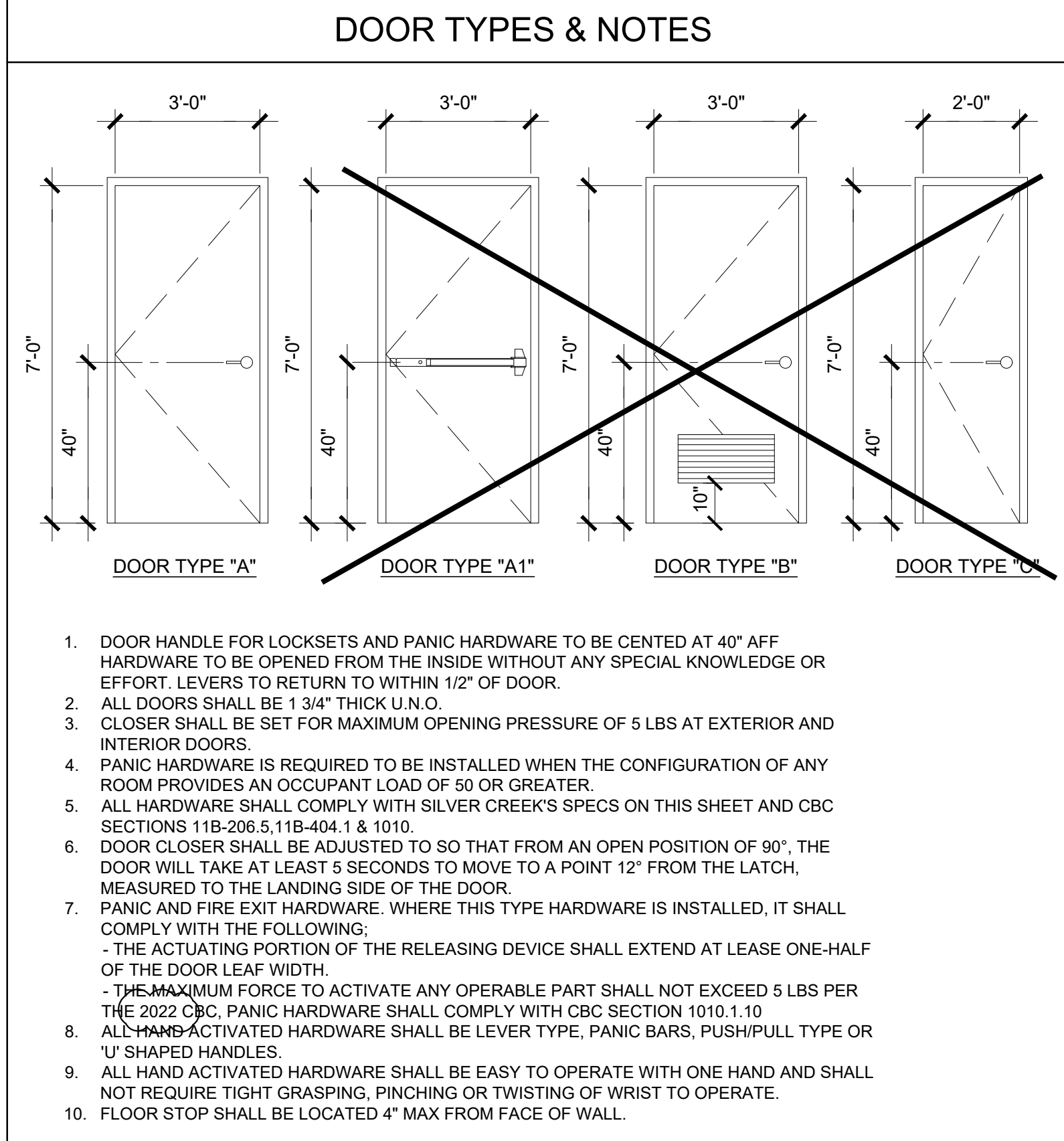


### DOOR SCHEDULE

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	



### FINISH SCHEDULE

ROOM NAME	FLOORING		WALL FINISH				CEILING		NOTES
	FLOOR	BASE	FRONT	LEFT	REAR	RIGHT	CEILING	CEILING HT	
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 PANEL 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

<b>CLASSROOM -</b>	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
<b>EXTERIOR DOOR HW-1</b>			
<b>DOOR W/ PANIC HARDWARE -</b>	EXT. 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
<b>EXTERIOR DOOR HW-2</b>			
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.			
<b>STAFF RESTROOM / SINGLE OCCUPANCY -</b>	<b>INTERIOR DOOR HW-3</b>		
LOCKSET TAL LHV40 SAT	Finish 626	or equal	
BUTTS TAL BB179 4 1/2" x 4 1/2" NRP	Finish 626	or equal	
<b>BOYS &amp; GIRLS RESTROOM -</b>	<b>EXTERIOR DOOR HW-4</b>		
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	
<b>STAFF RESTROOM -</b>	<b>EXTERIOR DOOR HW-5</b>		
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	
<b>CHASER EXTERIOR DOOR -</b>	<b>INTERIOR DOOR HW-6</b>		
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 (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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

APP: 02-122155 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 SOMERSET M.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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

APP: 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

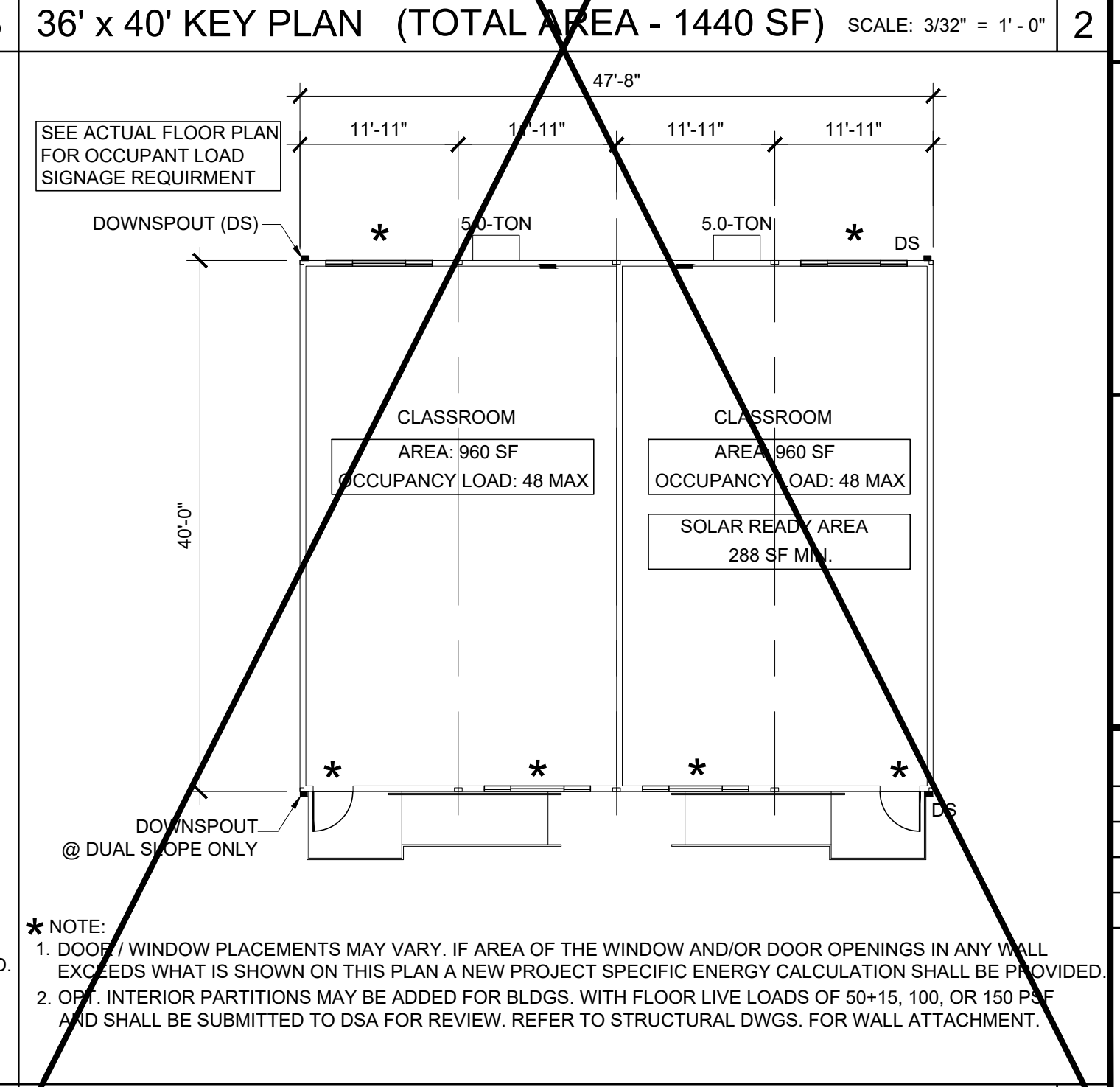
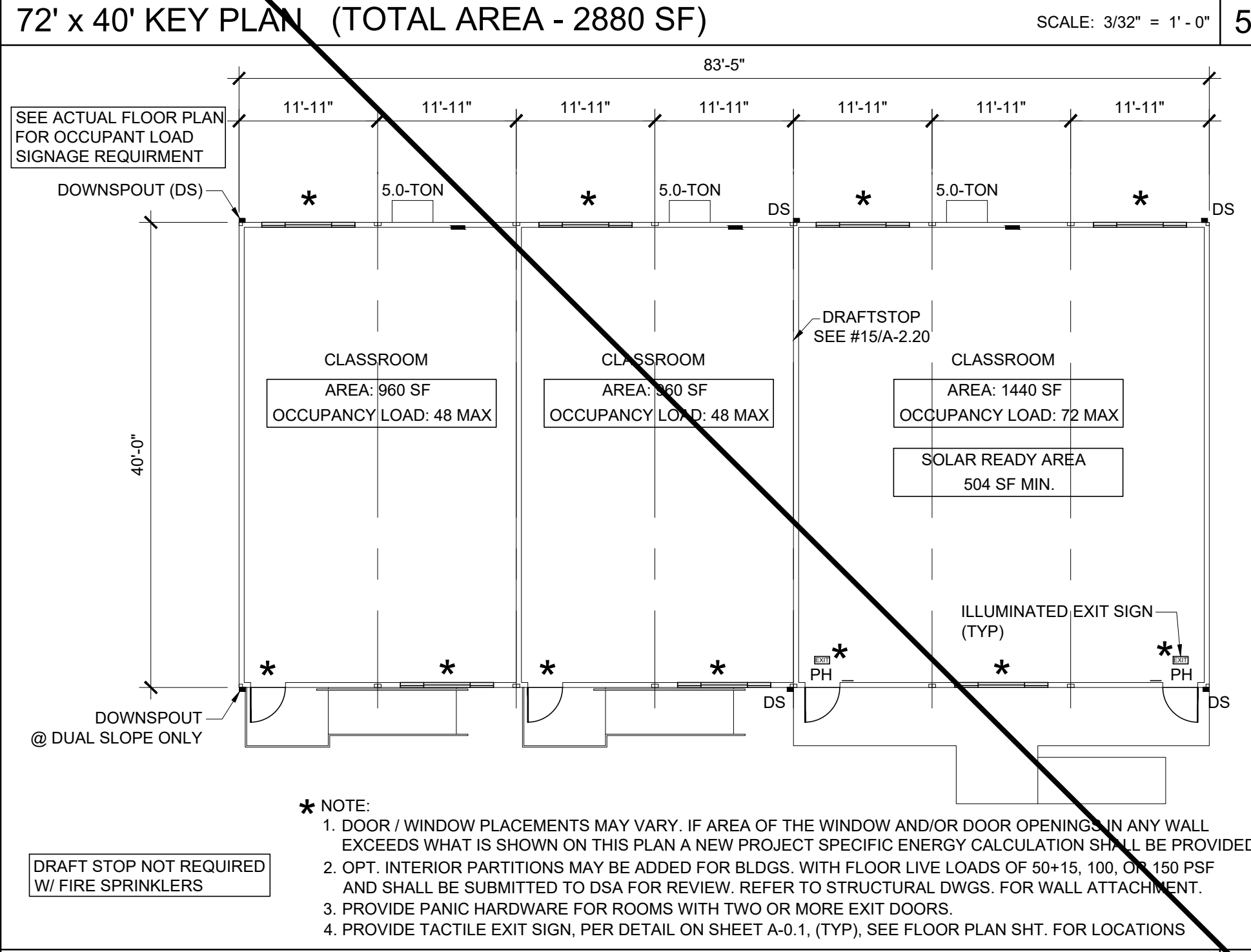
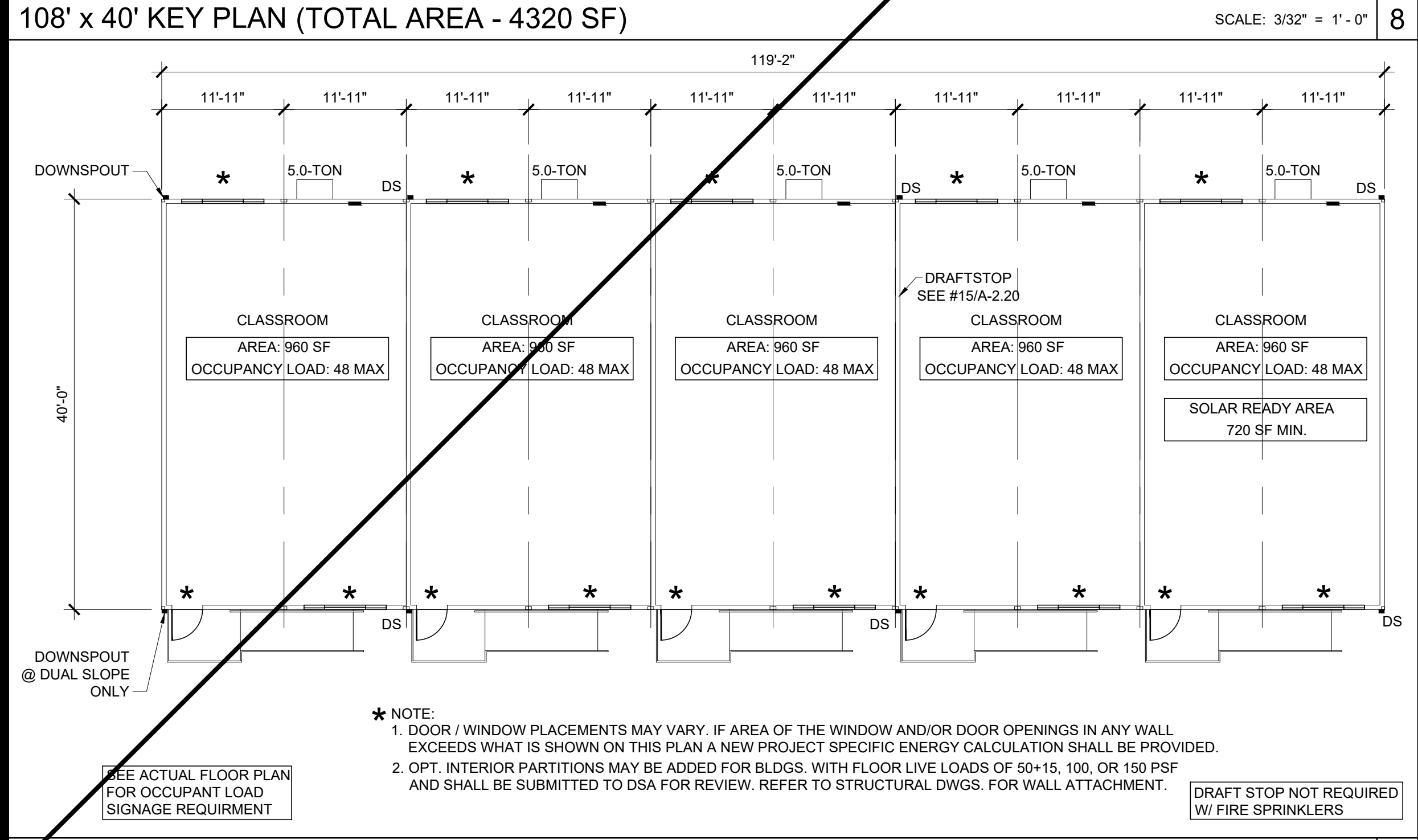
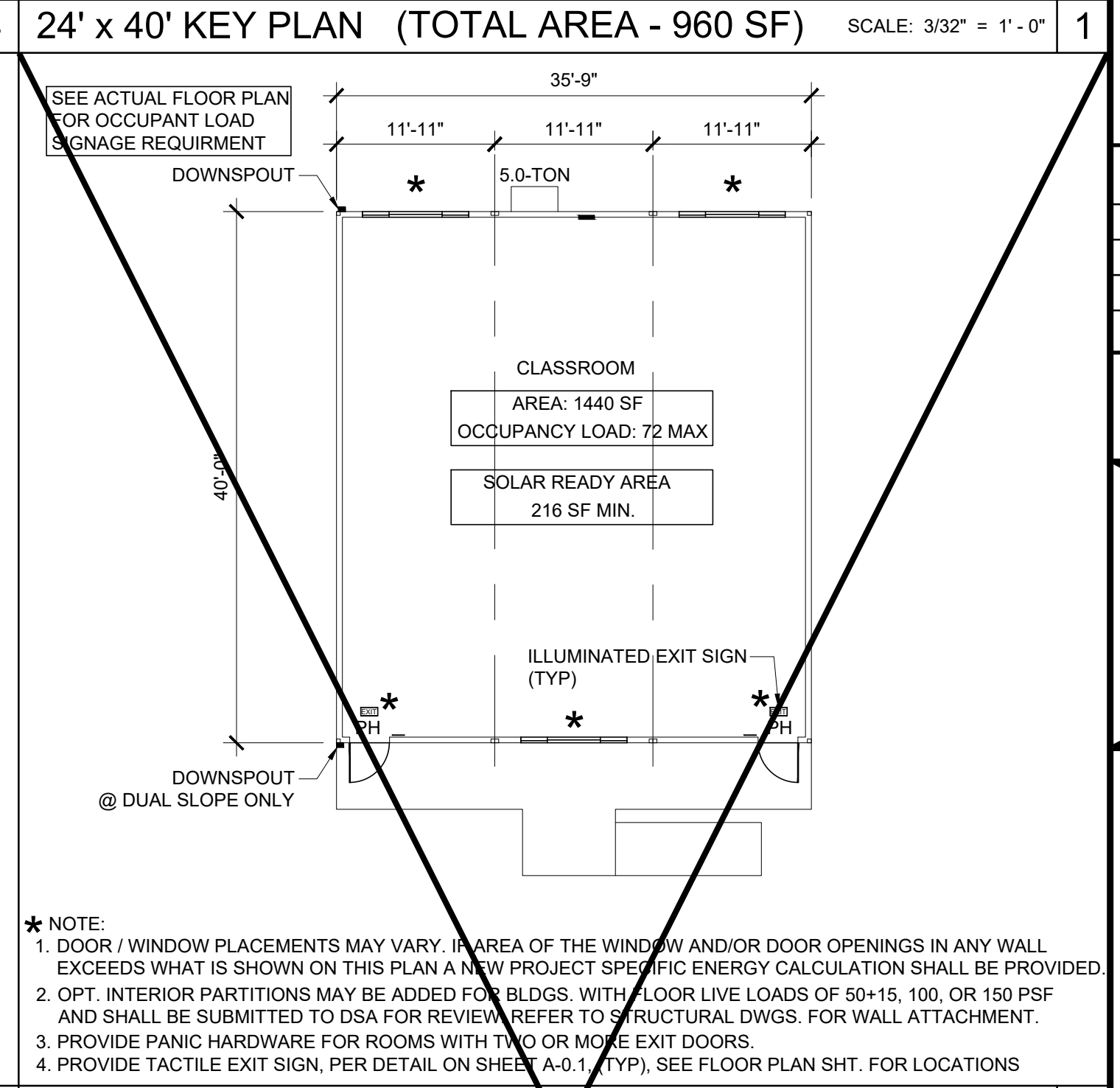
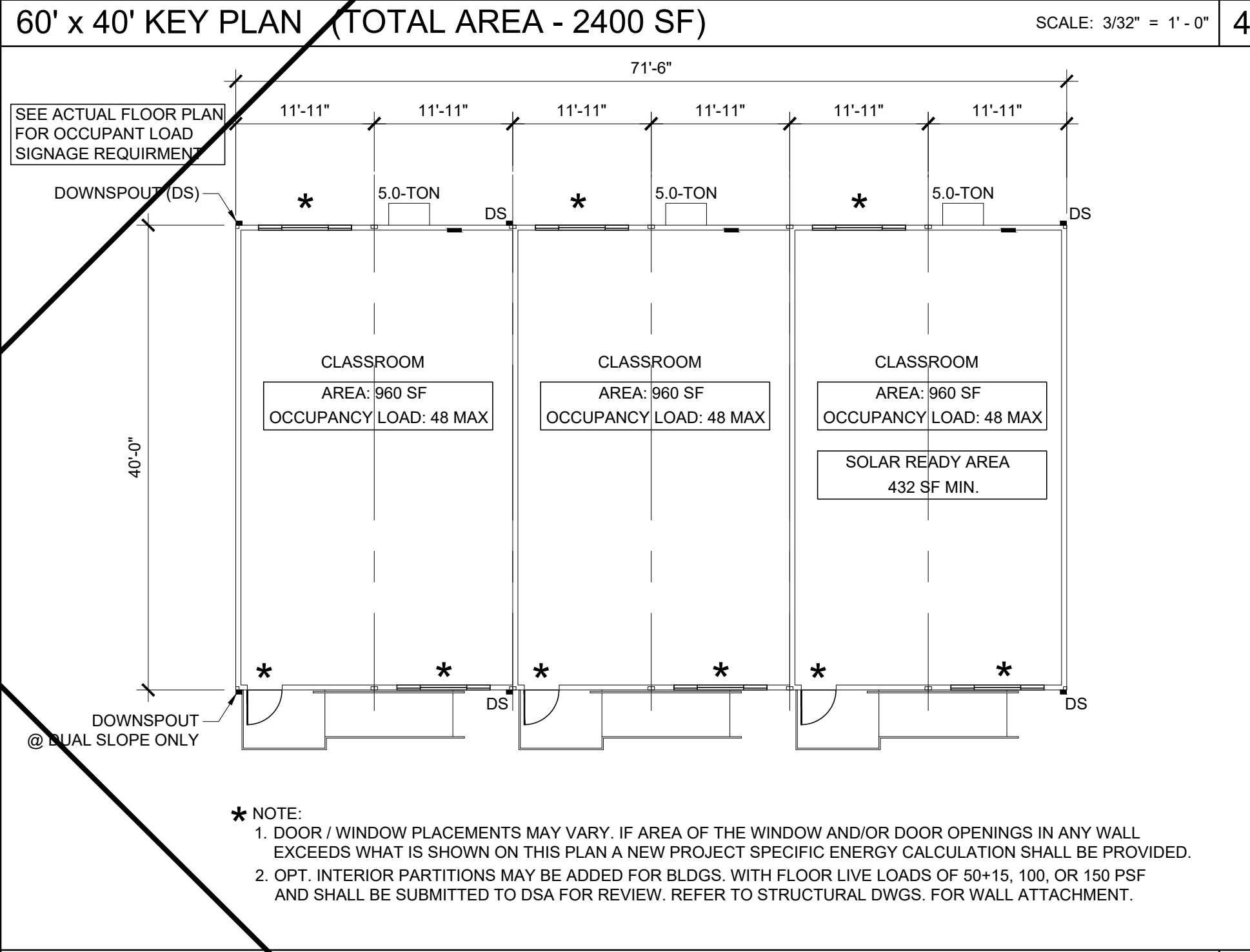
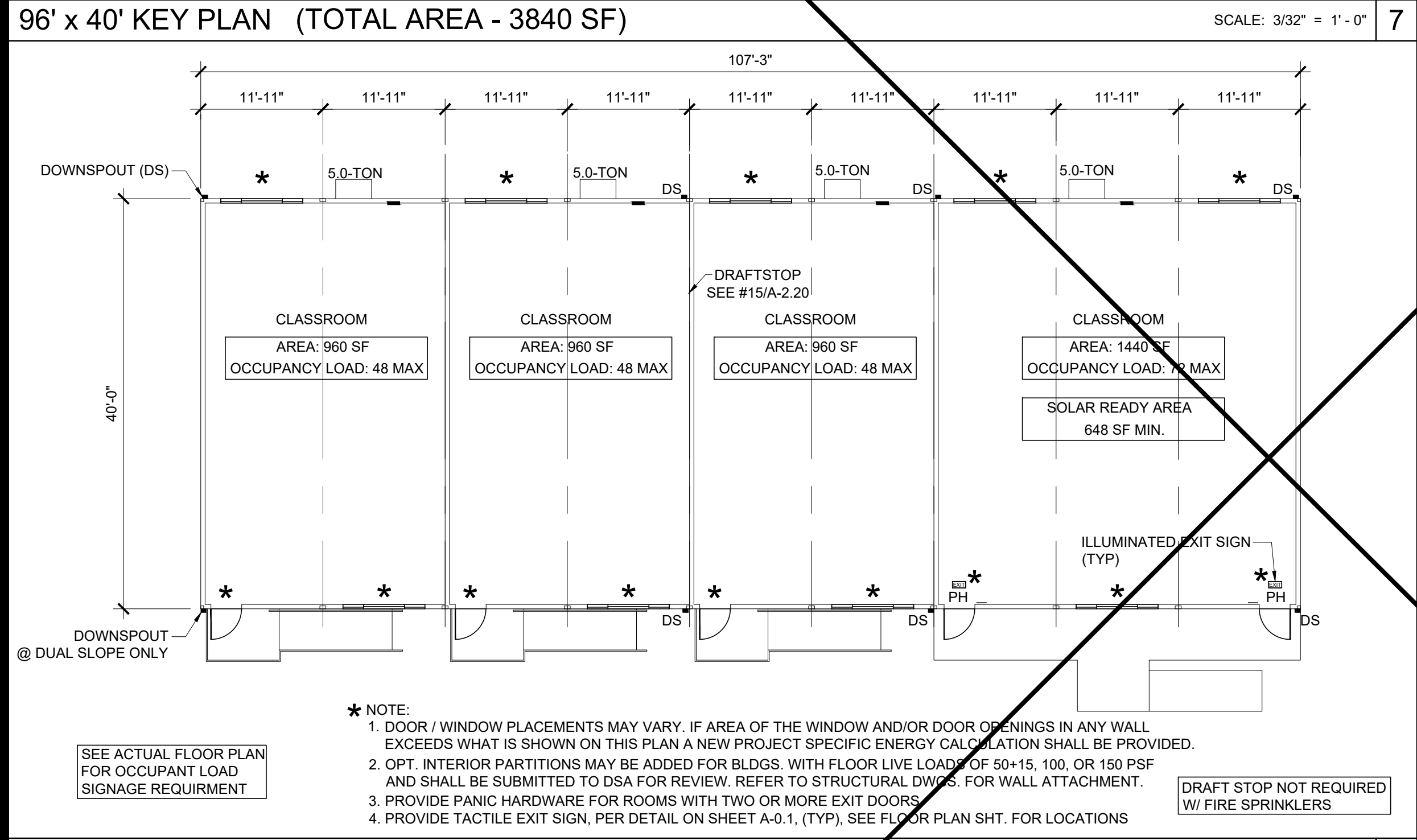
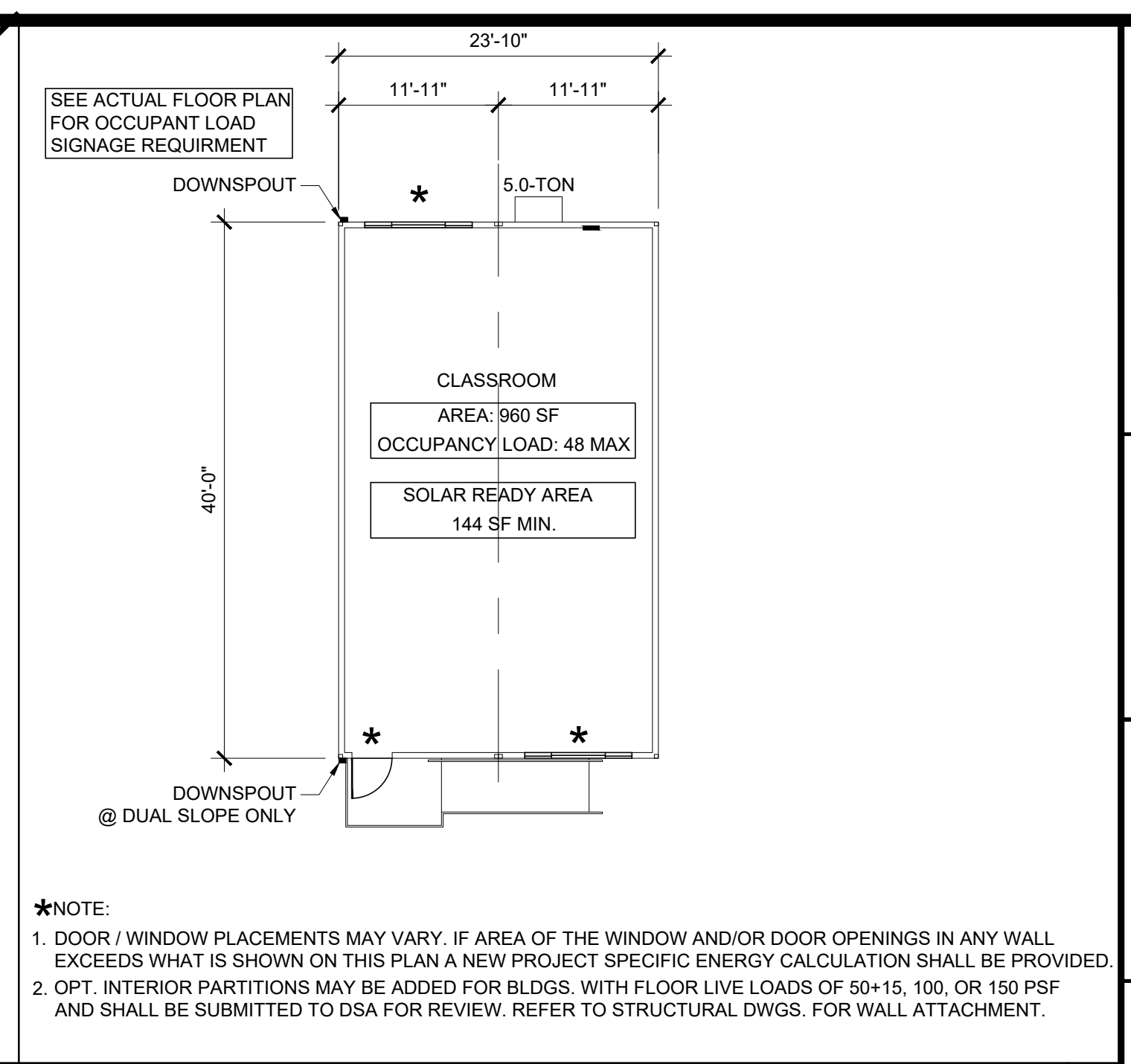
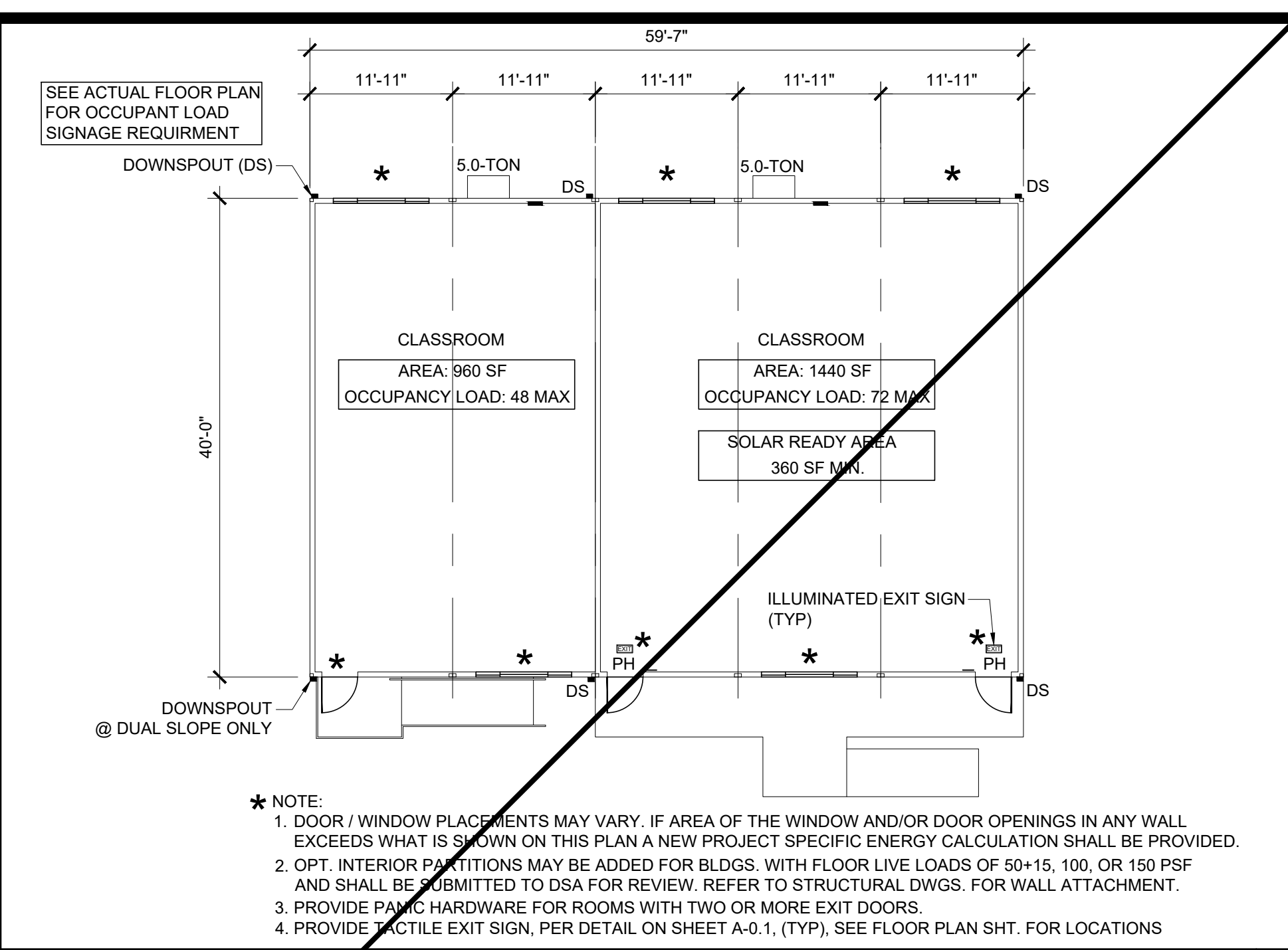
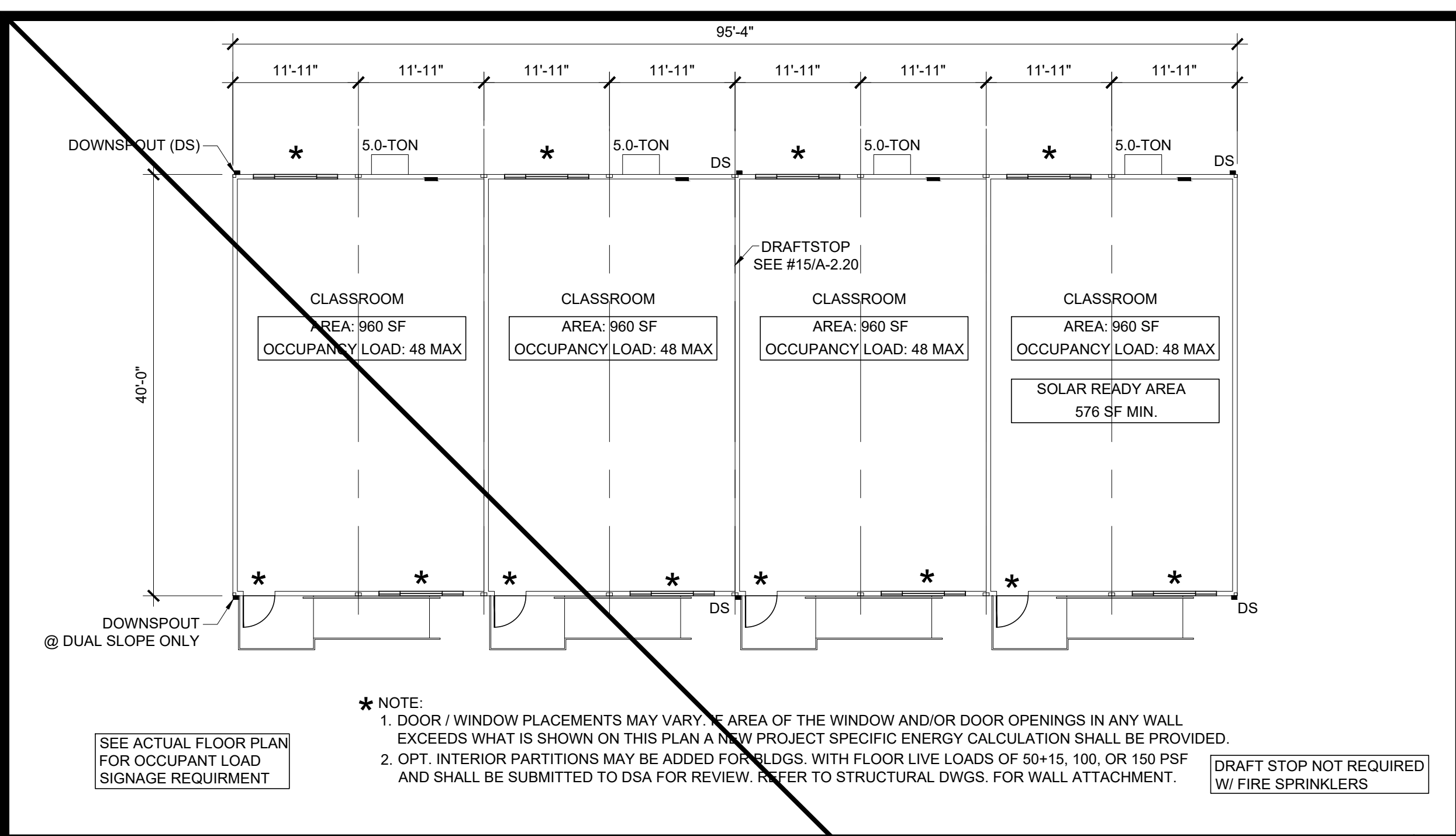
MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES  
24' x 40' PC

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

P.C. SHEET NUMBER  

# A-0.2



IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122155 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  
SOMERSET M.S.  
(2) 24' x 40'  
CLASSROOM BUILDINGS.**

SHEET TITLE:  
**TYPICAL KEY PLANS  
24' - 120' x 40'**

REVISIONS

1	2	3	4
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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)		300
		345
		30
		75
Zone 16 96006 (BLUE CANYON)		120
		165
		210
		255
		300
		345

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%	
53.58	15.0%	53.58	15.0%	19.96	33.1%	0.0%	
56.56	15.7%	56.56	15.7%	20.06	33.2%	0.0%	
54.70	15.2%	54.70	15.2%	19.96	33.0%	0.0%	
43.85	12.6%	43.85	12.6%	19.58	32.7%	0.0%	
57.00	15.8%	57.00	15.8%	20.16	33.3%	0.0%	
60.18	16.5%	60.18	16.5%	20.16	33.3%	0.0%	
56.39	15.6%	56.39	15.6%	19.88	33.0%	0.0%	
46.54	13.3%	46.54	13.3%	19.52	32.7%	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	
70.82	22.8%	70.82	22.8%	19.50	38.6%	PASS	
74.47	23.6%	74.47	23.6%	19.55	38.6%	PASS	
70.44	22.6%	70.44	22.6%	19.31	38.2%	PASS	
63.49	21.0%	63.49	21.0%	19.05	38.0%	PASS	
71.64	23.0%	71.64	23.0%	19.51	38.6%	PASS	
74.64	23.7%	74.64	23.7%	19.54	38.6%	PASS	
70.14	22.5%	70.14	22.5%	19.32	38.3%	PASS	
63.68	21.0%	63.68	21.0%	19.10	38.1%	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

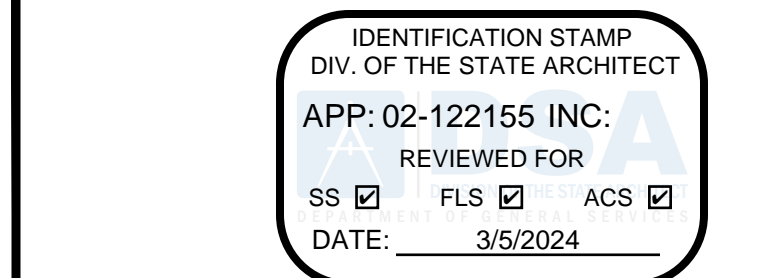
(4) 24x40 CLASSROOMS

□ 108x40  
(4) 5-ton units

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

□ 120x40  
(5) 5-ton units

(5) 24x40 CLASSROOMS



PROJECT SPECIFIC STATE AGENCY APPROVAL

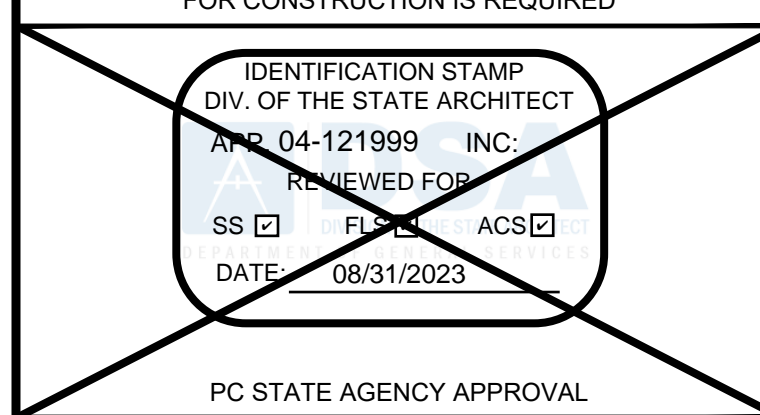
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PROJECT NAME:  
**SYLVAN USD  
SOMERSET M.S.  
(2) 24' x 40'  
CLASSROOM BUILDINGS**

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



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;"> </div> <div style="text-align: center;"> </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;"> </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. Project Name: 04-121999 - 2640 - CONC FLS - RF HVAC. Date Prepared: 2023-07-17.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 2 of 19.

PROJECT SUMMARY. Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance proactively if within the general application.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 8 of 19.

C1. COMPLIANCE SUMMARY. Table showing Time Dependent Valuation (TDV) for Energy Use (kBtu/ft²-yr) and Source Energy Use (kBtu/ft²-yr).

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 4 of 19.

C2. TUV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TUV Energy Use, kWh/ft²-yr). Table with columns for Energy Component, Standard Design (TDV), Proposed Design (TDV), and Compliance Margin (TDV%).

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 5 of 19.

C3. TUV ENERGY RESULTS FOR NON-REGULATED COMPONENTS. Table with columns for Non-Regulated Energy Component, Standard Design (TDV), Proposed Design (TDV), and Compliance Margin (TDV%).

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 6 of 19.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 7 of 19.

C4. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS. Table with columns for Non-Regulated Energy Component, Standard Design (SOURCE), Proposed Design (SOURCE), and Compliance Margin (SOURCE%).

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 8 of 19.

C5. ENERGY USE SUMMARY. Table with columns for Energy Component, Standard Design Site (MBtu), Proposed Design Site (MBtu), Margin (MBtu), Standard Design Site (kBtu), Proposed Design Site (kBtu), and Margin (kBtu).

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 9 of 19.

C6. ENERGY USE INTENSITY (EUI). Table with columns for Energy Component, Standard Design (kBtu/ft²-fy), Proposed Design (kBtu/ft²-fy), Margin (kBtu/ft²-fy), and Margin Percentage.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 10 of 19.

E1. ENVELOPE GENERAL INFORMATION (conditioned spaces only). Table with columns for Energy Component, Standard Design (BTU/ft²-fy), Proposed Design (BTU/ft²-fy), Margin (BTU/ft²-fy), and Margin Percentage.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 11 of 19.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 12 of 19.

E6A. FENESTRATION ASSEMBLY SUMMARY (NONRESIDENTIAL). Table with columns for Fenestration Assembly Name, Fenestration Type/Product Type/Framing Type, Certification Method, Assembly Method, Area (ft²), Overall U-factor, Overall SHGC, Overall VT, and Status.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 13 of 19.

E6B. HVAC SYSTEM EQUIPMENT (HUMIDITY, AIR HANDLING UNITS, HOT PUMPS, VRS, ECONOMIZERS ETC.). Table with columns for Equipment Name, Equipment Type, Qty, Heating, Cooling, and Status.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 14 of 19.

E6C. INDOOR ENVIRONMENTAL QUALITY (IEQ) SUMMARY. Table with columns for System ID, System Type, Qty, Heating, Cooling, Design, Min. Rate, Power, and Status.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 15 of 19.

E2. INDOOR CONDITIONED LIGHTING SCHEDULE. Table with columns for Luminaires Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 5.5 watt/ft² in office).

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 16 of 19.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 17 of 19.

E6D. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION. Section made by Documentation Author indicating which Certificates of Verification must be submitted for the features to be recognized for compliance.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 18 of 19.

Documentation Author's Declaration Statement. I certify that this Certificate of Compliance documentation is accurate and complete. Includes signature of John W. Starrin.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

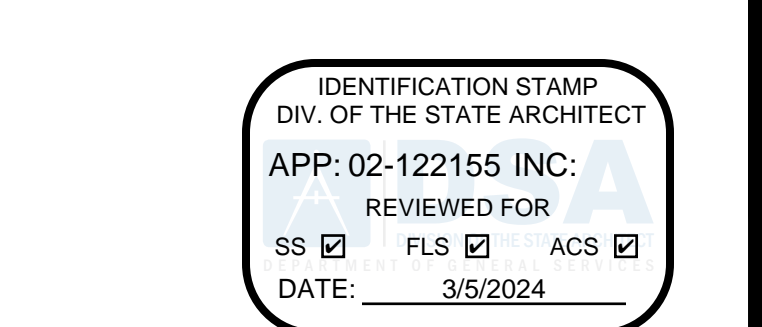
CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 19 of 19.

E6E. RESPONSIBLE DESIGNER SIGNATURE. Table with columns for Responsible Designer Name, Company, Address, City/State/Zip, Phone, Title, Date Signed, and License #.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance. Report Version: 2022.0.000. Schema Version: rev 20220601. Report Generated: 2023-07-17 15:42:18.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD. Nonresidential Performance Compliance Method. Page 19 of 19.

E6F. RESPONSIBLE DESIGNER SIGNATURE. Table with columns for Responsible Designer Name, Company, Address, City/State/Zip, Phone, Title, Date Signed, and License #.

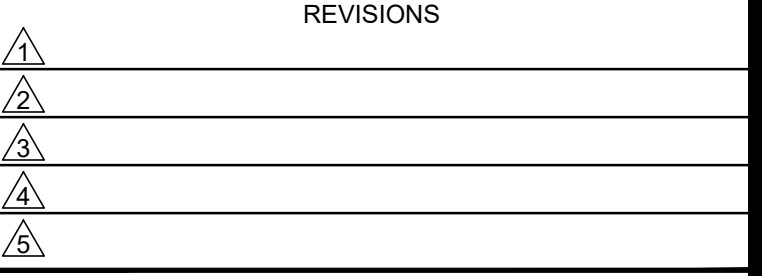


PROJECT SPECIFIC STATE AGENCY APPROVAL

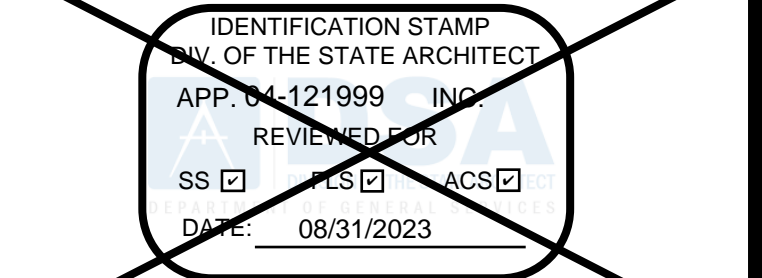
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PROJECT NAME: SYLVAN USD SOMERSET M.S. (2) 24' x 40' CLASSROOM BUILDINGS

SHEET TITLE: PRF FORMS 24x40 - ZONE 14 WORST CASE



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



PC STATE AGENCY APPROVAL

Silver Creek logo and address: 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-0.54

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

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

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

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
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Nonresidential Building Commissioning
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Project Address: 2023-01-31T18:53:26-05:00

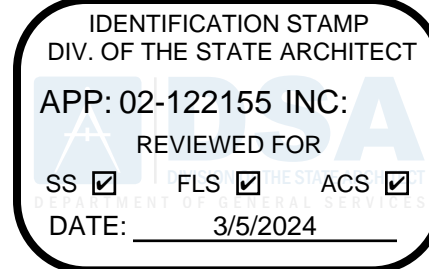
STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Nonresidential Building Commissioning
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Project Address: 2023-01-31T18:53:26-05:00

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

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

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

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



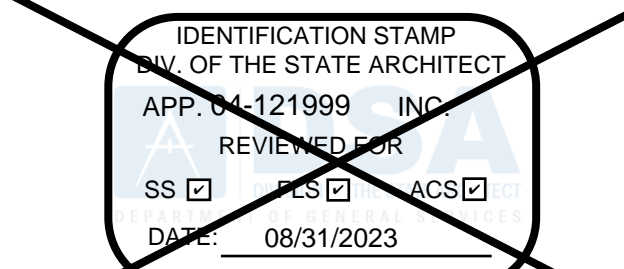
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PROJECT NAME:
SYLVAN USD
SOMERSET M.S.
(2) 24' x 40'
CLASSROOM BUILDINGS

CERTIFICATE OF COMPLIANCE FORMS

Table with 2 columns: Revision Number, Description. Includes revision 1: PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC.

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



PC STATE AGENCY APPROVAL

Silver Creek logo and address: 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-0.6A

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Project Address: 2023-01-3118-54-22-05-00

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Project Address: 2023-01-3118-54-22-05-00

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Domestic Water Heating System
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Project Address: 2023-02-0218-17-35-05-00

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Domestic Water Heating System
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Project Address: 2023-02-0218-17-35-05-00

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Project Address: 2023-01-3118-54-22-05-00

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Project Address: 2023-01-3118-54-22-05-00

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Domestic Water Heating System
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Project Address: 2023-02-0218-17-35-05-00

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Domestic Water Heating System
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Project Address: 2023-02-0218-17-35-05-00

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Project Address: 2023-01-3118-54-22-05-00

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Project Address: 2023-01-3118-54-22-05-00

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Domestic Water Heating System
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Project Address: 2023-02-0218-17-35-05-00

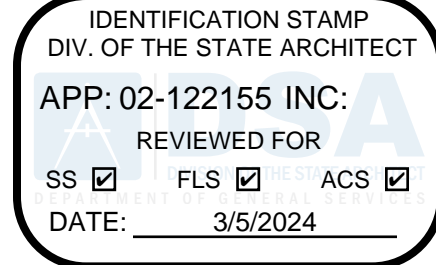
STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Domestic Water Heating System
CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Project Address: 2023-02-0218-17-35-05-00

STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
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STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION
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CERTIFICATE OF COMPLIANCE
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM
Project Address: 2023-02-0218-17-35-05-00



PROJECT SPECIFIC STATE AGENCY APPROVAL

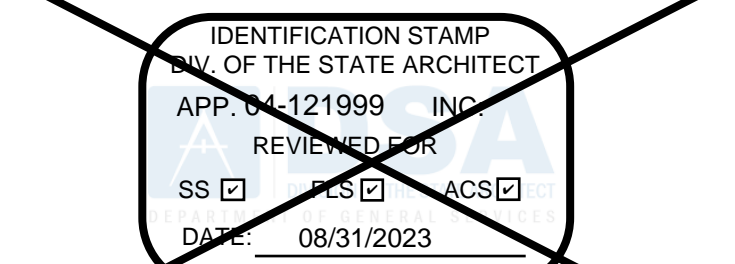
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PROJECT NAME: SYLVAN USD SOMERSET M.S. (2) 24' x 40' CLASSROOM BUILDINGS

CERTIFICATE OF COMPLIANCE FORMS

REVISIONS

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



PC STATE AGENCY APPROVAL

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

MODULAR BUILDING DESIGN PROFESSIONAL



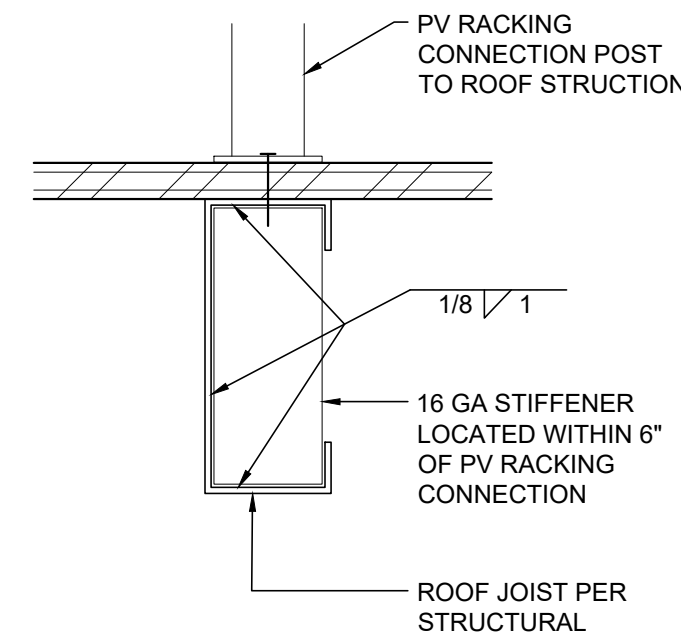
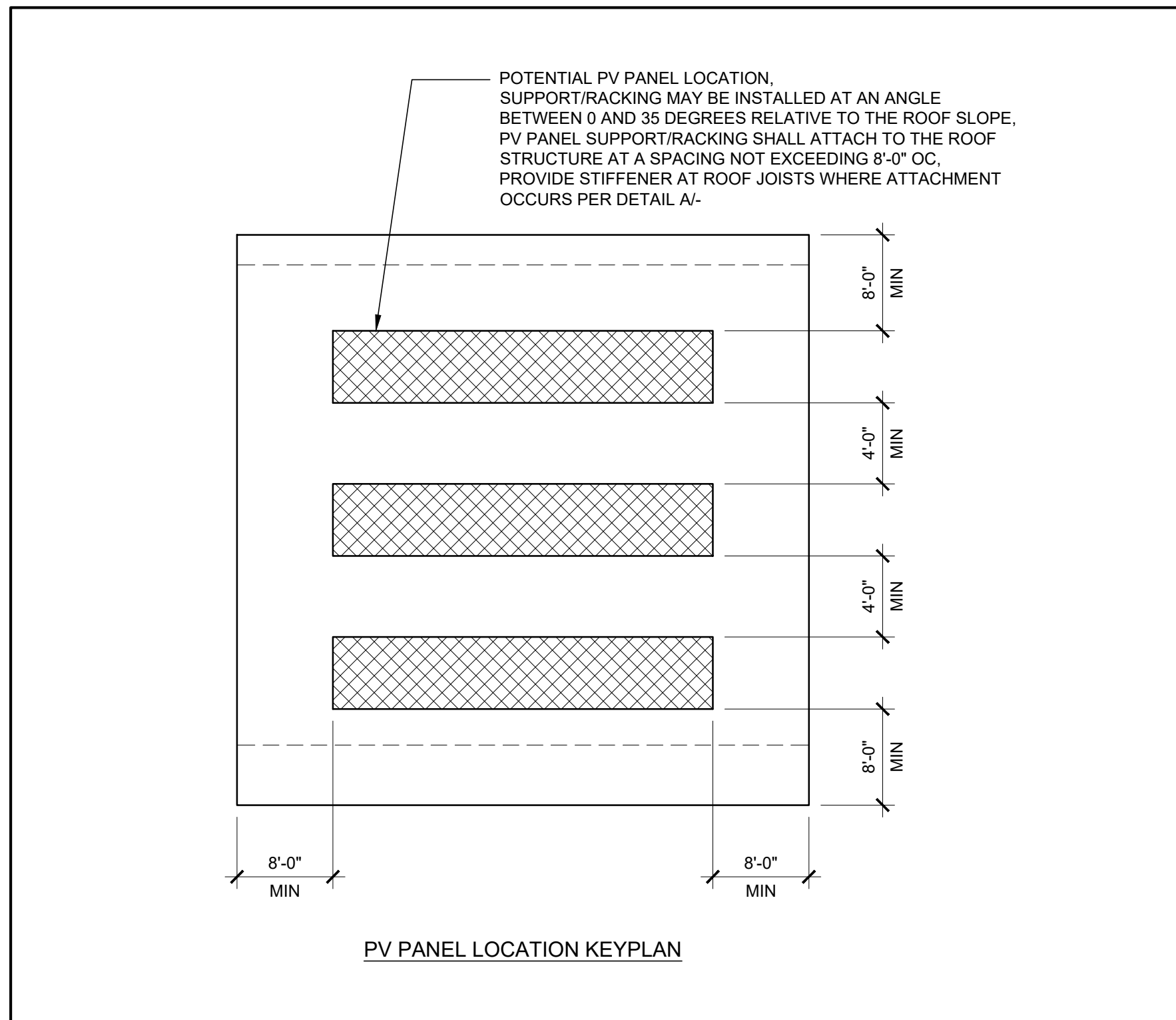
SILVER CREEK INDUSTRIES 24' x 40' PC PROJECT NO: DRAWN BY: AS NOTED DATE: 02-27-2023 P.C. SHEET NUMBER A-0.6B





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.



STIFFENER AT PV RACKING CONNECTION SCALE : 3" = 1'-0" A

CLIMATE ZONE		BUILDING SIZE								
		24'x40'	36'x40'	48'x40'	60'x40'	72'x40'	84'x40'	96'x40'	108'x40'	120'x40'
		APPROXIMATE CONDITIONED FLOOR AREA								
		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	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	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	NONE	4.7	5.5	6.3	7.0	7.8
7	NONE	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
8	NONE	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
9	NONE	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
10	NONE	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
11	NONE	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
12	NONE	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
13	NONE	NONE	NONE	NONE	NONE	4.7	5.5	6.3	7.0	7.8
14	NONE	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(i).
- 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(f).

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.

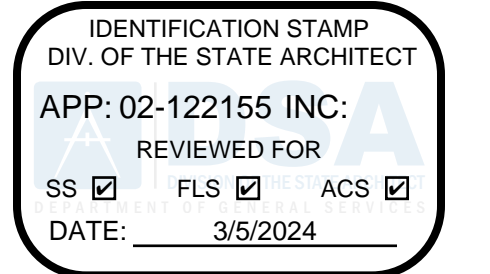
THIS LIST OF REQUIRED ACCEPTANCE TESTS FOR THE PROJECT IS FOUND IN THE LAST PAGES OF THE ENERGY COMPLIANCE REPORTS (T24) UNDER DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE.

PV SYSTEM SIZING AND INSTALLATION REQUIREMENTS

3

CALIFORNIA ENERGY CODE - MANDATORY MEASURES

1



PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

**SYLVAN USD  
SOMERSET M.S.  
(2) 24' x 40'  
CLASSROOM BUILDINGS**

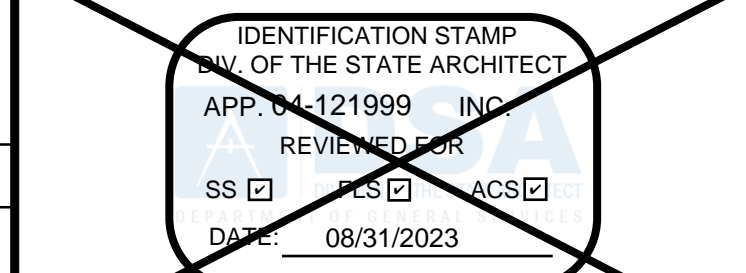
SHEET TITLE:

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

REVISIONS

- 1
- 2
- 3
- 4

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



PC STATE AGENCY APPROVAL

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

CONSTRUCTION WASTE MANAGEMENT PLAN

- 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.
- 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.
- 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
- 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 DOCUMENTATION: TYPES AND QUANTITIES, BY WEIGHT, FOR MATERIALS SALVAGED FOR REUSE ON SITE, SOLD OR DONATED TO A THIRD PARTY.
- 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).
- 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

- CONSTRUCTION PHASE:
  - FILTERS
    - 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
  - PROTECTION OF MATERIALS
    - ALL BUILDING MATERIALS SHALL BE PROTECTED FROM WEATHER AND OTHER MOISTURE SOURCES WHEN RECOMMEND 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.
  - 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.
  - 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.
  - 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

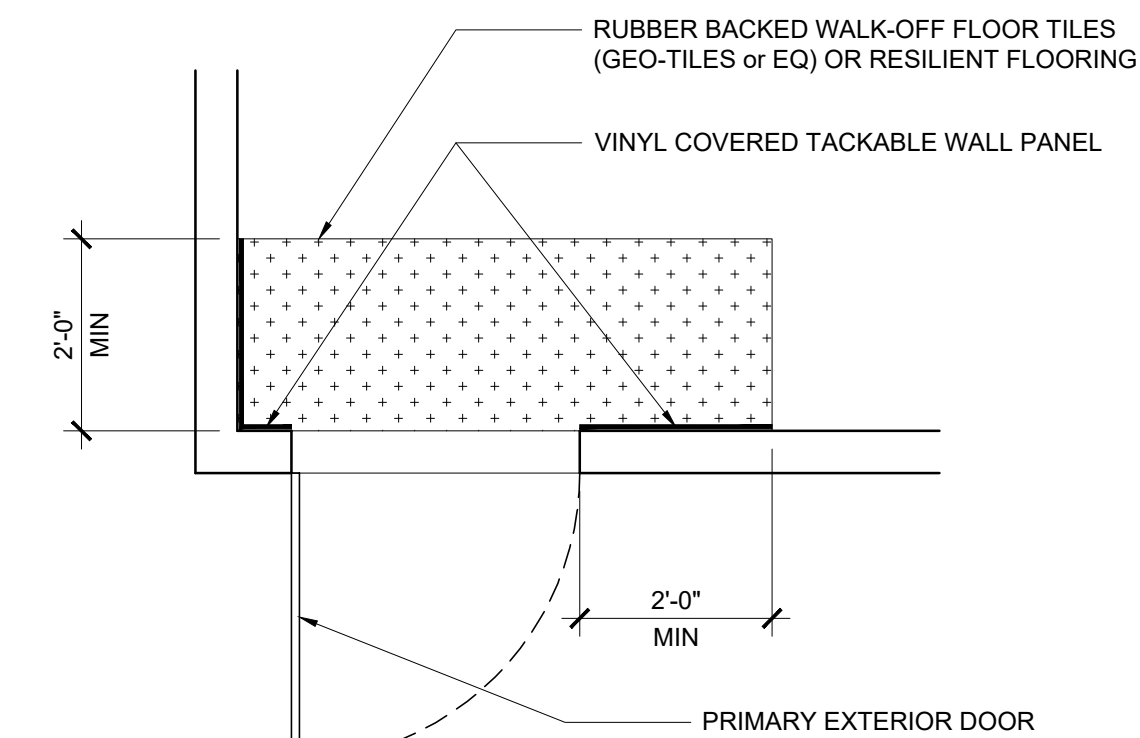
- SEALANTS AND CAULKS  
ALL ADHESIVES, SEALANTS AND CAULKS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.1. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO 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 A1- 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

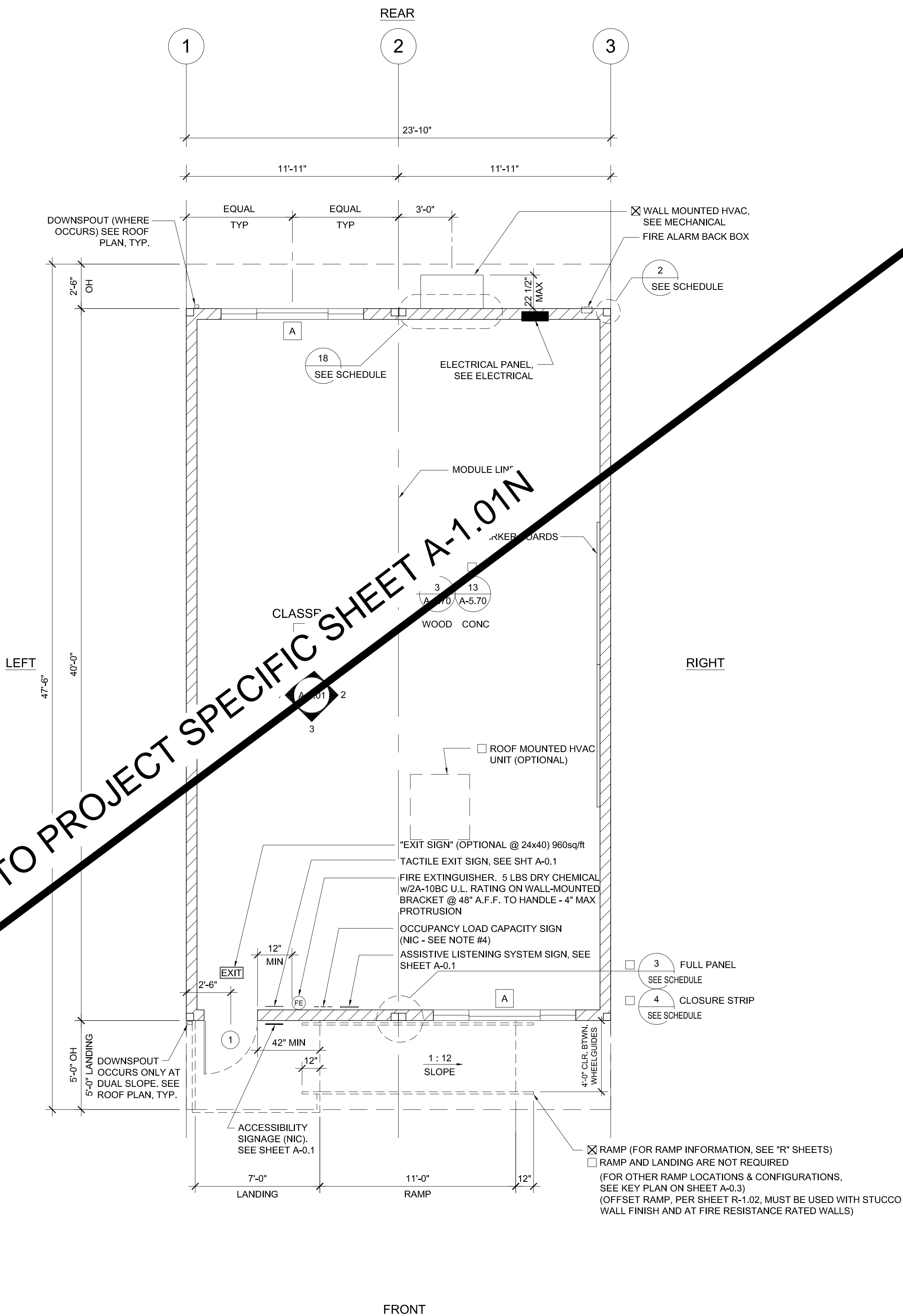
- INTERIOR WALLS BETWEEN CLASSROOMS AND ADJACENT SPACES (WHERE OCCURS) SHALL BE FULL HEIGHT TO THE UNDERSIDE OF THE STRUCTURE ABOVE AND SHALL HAVE A STC RATINGS OF NOT LESS THAN 40. ONE OF THE FOLLOWING ASSEMBLY SHALL BE USED:
- 2x4 (MIN) STUDS @ 24" O.C. WITH 1 LAYER OF 1/2" GYP BD, EA. SIDE OF WALL & 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 AT 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 BUILDINGS 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

A-0.7

REFER TO PROJECT SPECIFIC SHEET A-1.01N



FLOOR PLAN

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

**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<sub>s</sub>
- 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**

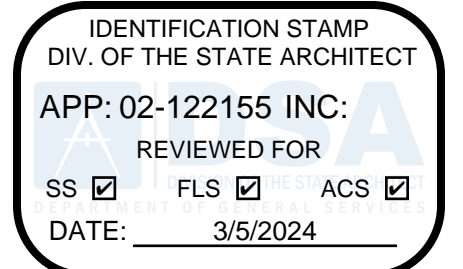
	NOMINAL 4" WALL STUD	<input type="checkbox"/>
	NOMINAL 6" WALL STUD	<input type="checkbox"/>
	NOMINAL 8" WALL STUD	<input type="checkbox"/>
	WINDOW PER SCHEDULE SHEET A-0.2	
	DOOR PER SCHEDULE SHEET A-0.2	

**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

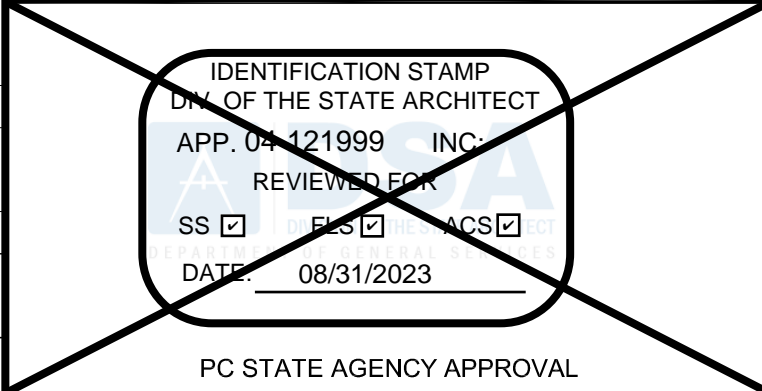
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PROJECT NAME:  
**SYLVAN USD  
SOMERSET M.S.  
(2) 24' x 40'  
CLASSROOM BUILDINGS**

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

REVISIONS

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

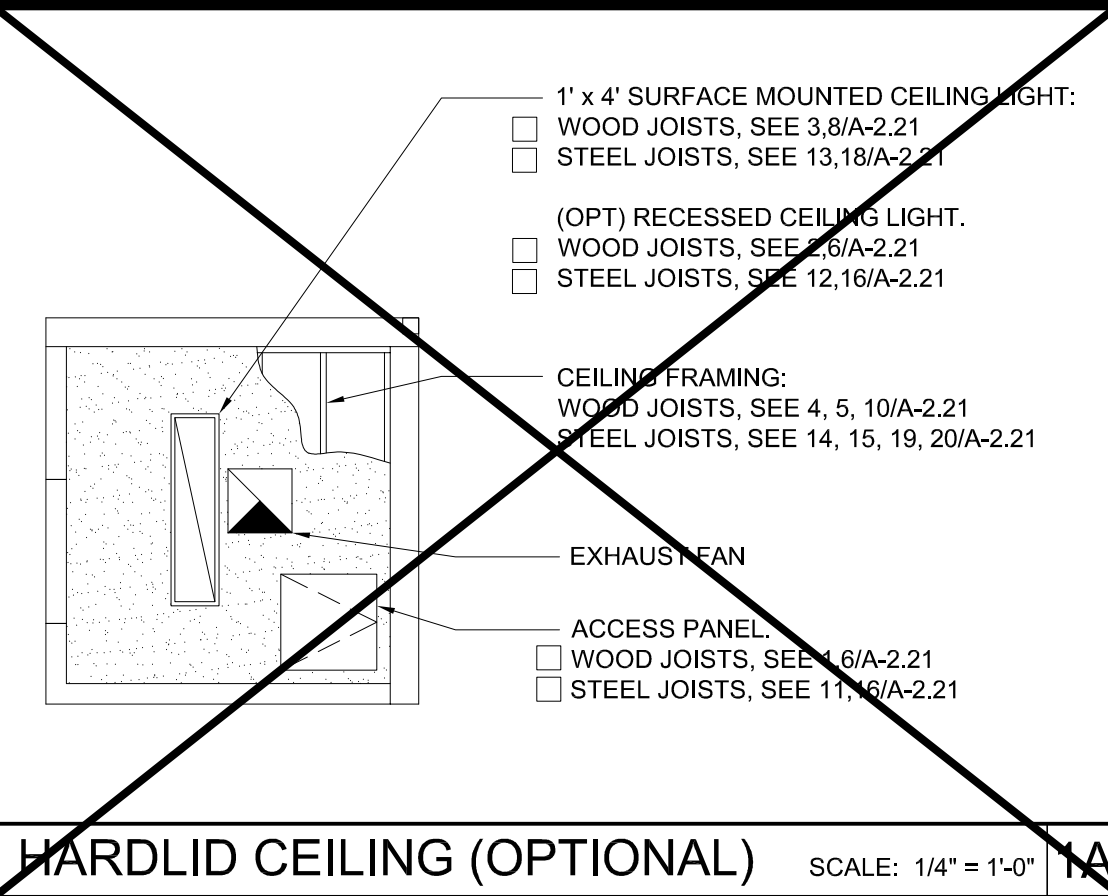


PC STATE AGENCY APPROVAL

MODULAR BUILDING DESIGN PROFESSIONAL

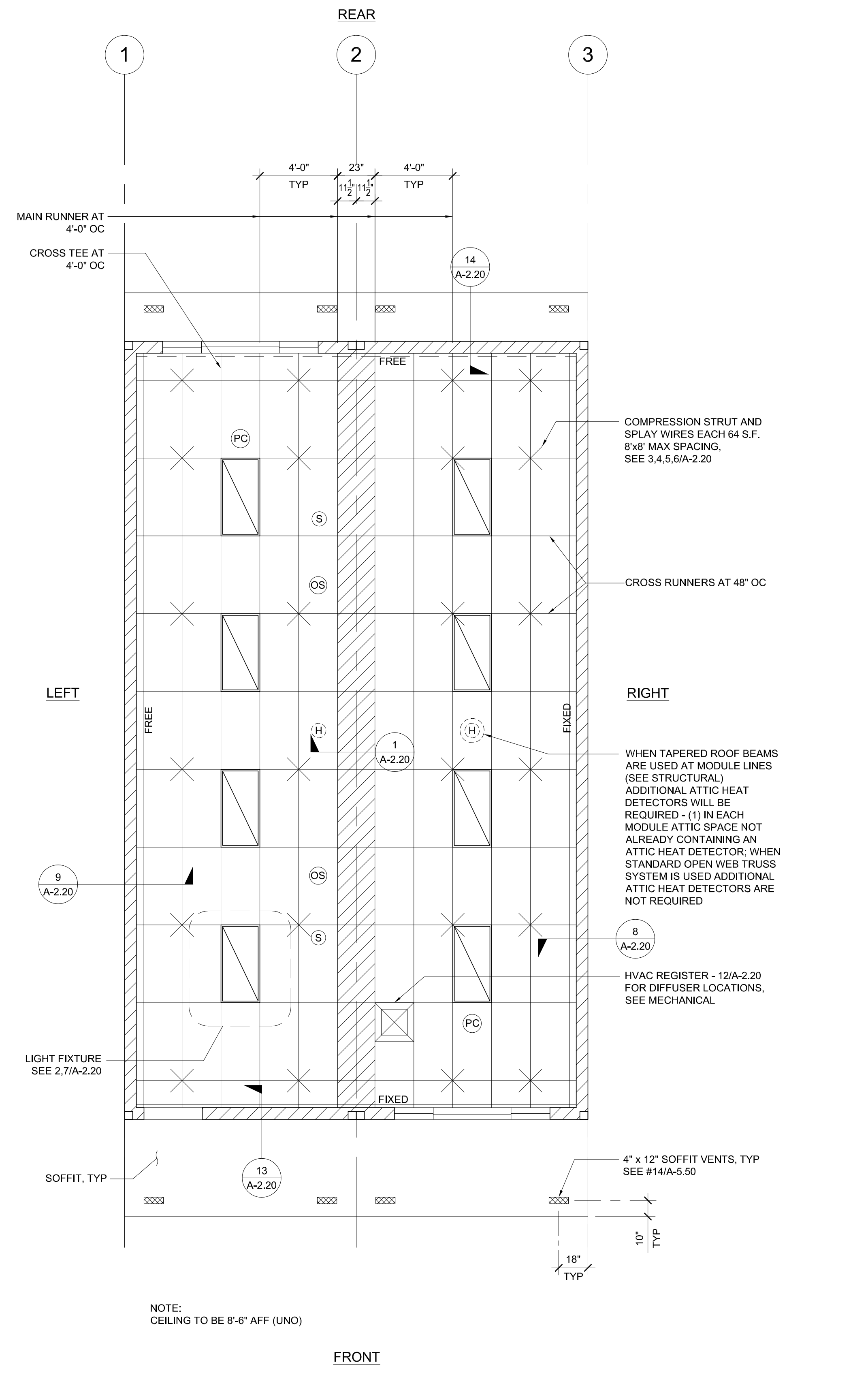
SILVER CREEK INDUSTRIES  
24' x 40' PC

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



- 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



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APP: 02-122155 INC:  
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DATE: 3/5/2024

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

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

REVISIONS

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PRE-CHECK (PC) DOCUMENT  
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APP: 04-121999 INC:  
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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

**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)

P.C. SHEET NUMBER  
**A-2.01**

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

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

REVISIONS

PRE-CHECK (PC) DOCUMENT  
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 A SEPARATE PROJECT APPLICATION  
 FOR CONSTRUCTION IS REQUIRED

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 DIV. OF THE STATE ARCHITECT  
 APP: 04-121999 INC:  
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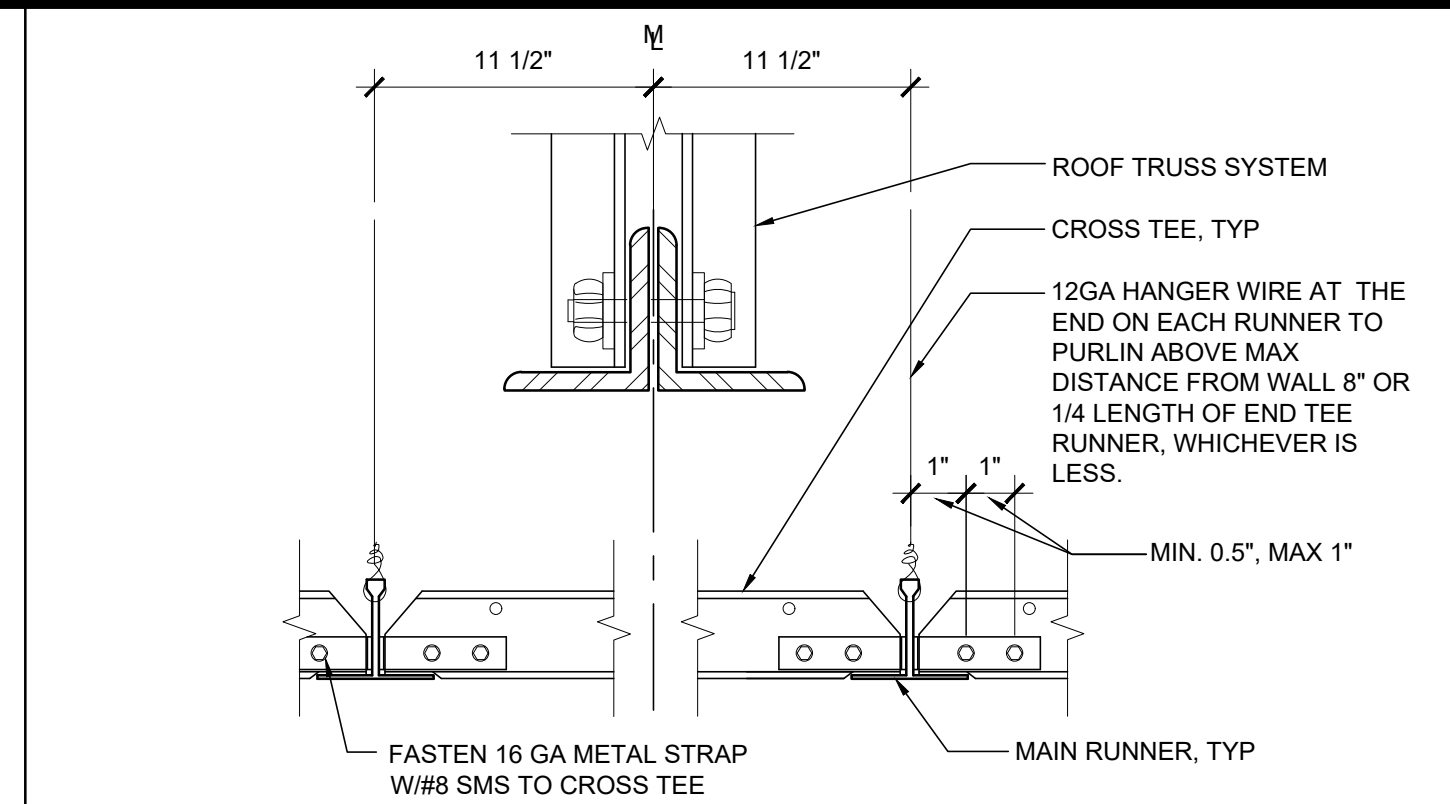
MODULAR BUILDING DESIGN PROFESSIONAL



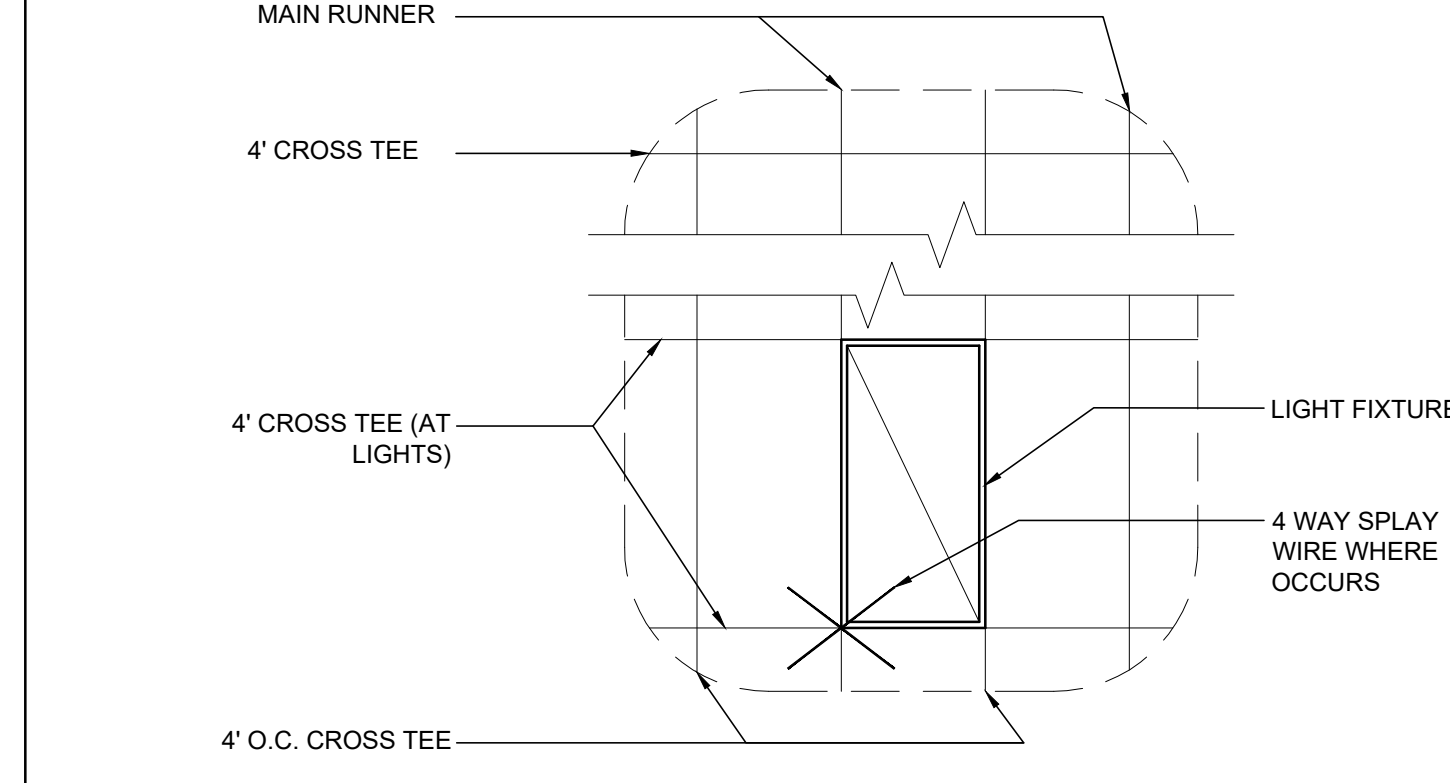
SILVER CREEK INDUSTRIES  
 24' x 40' PC

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

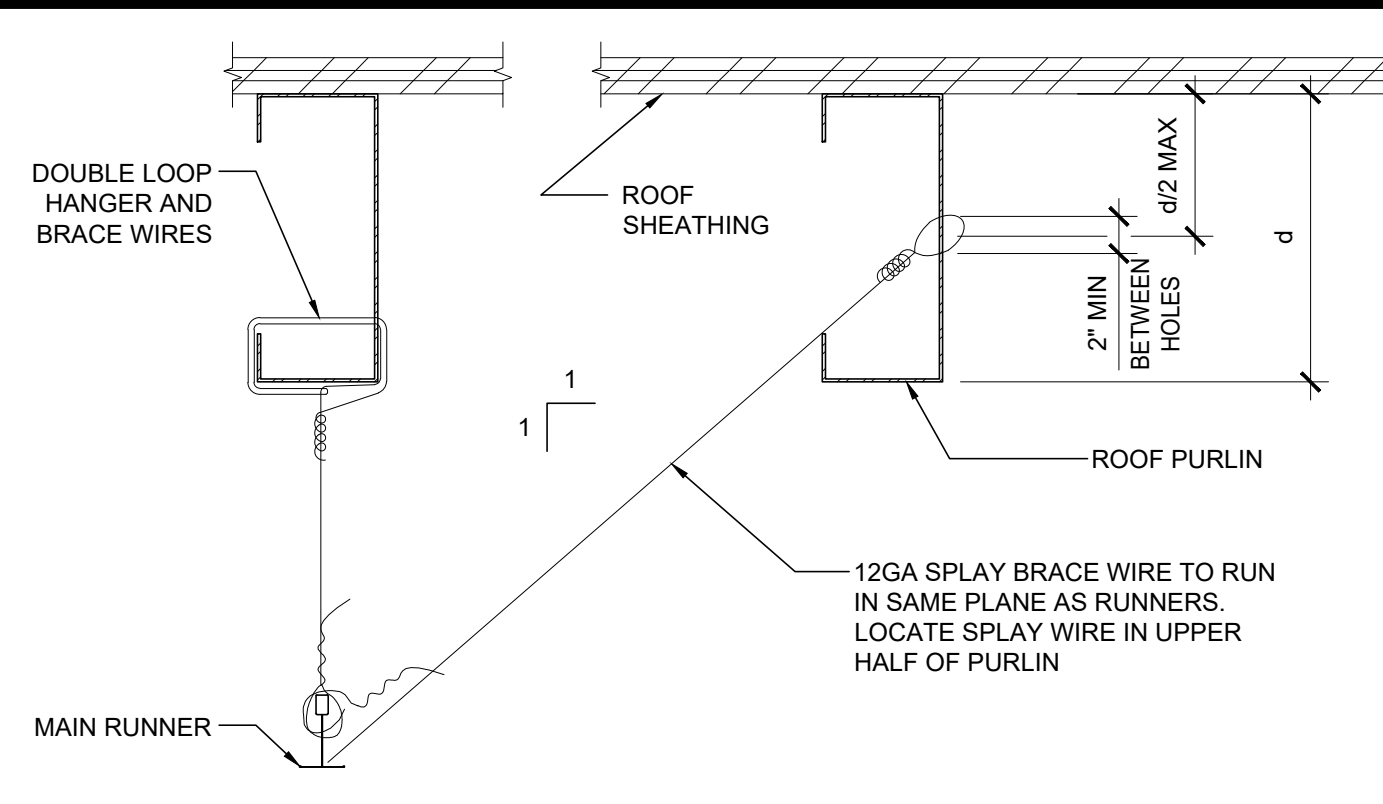
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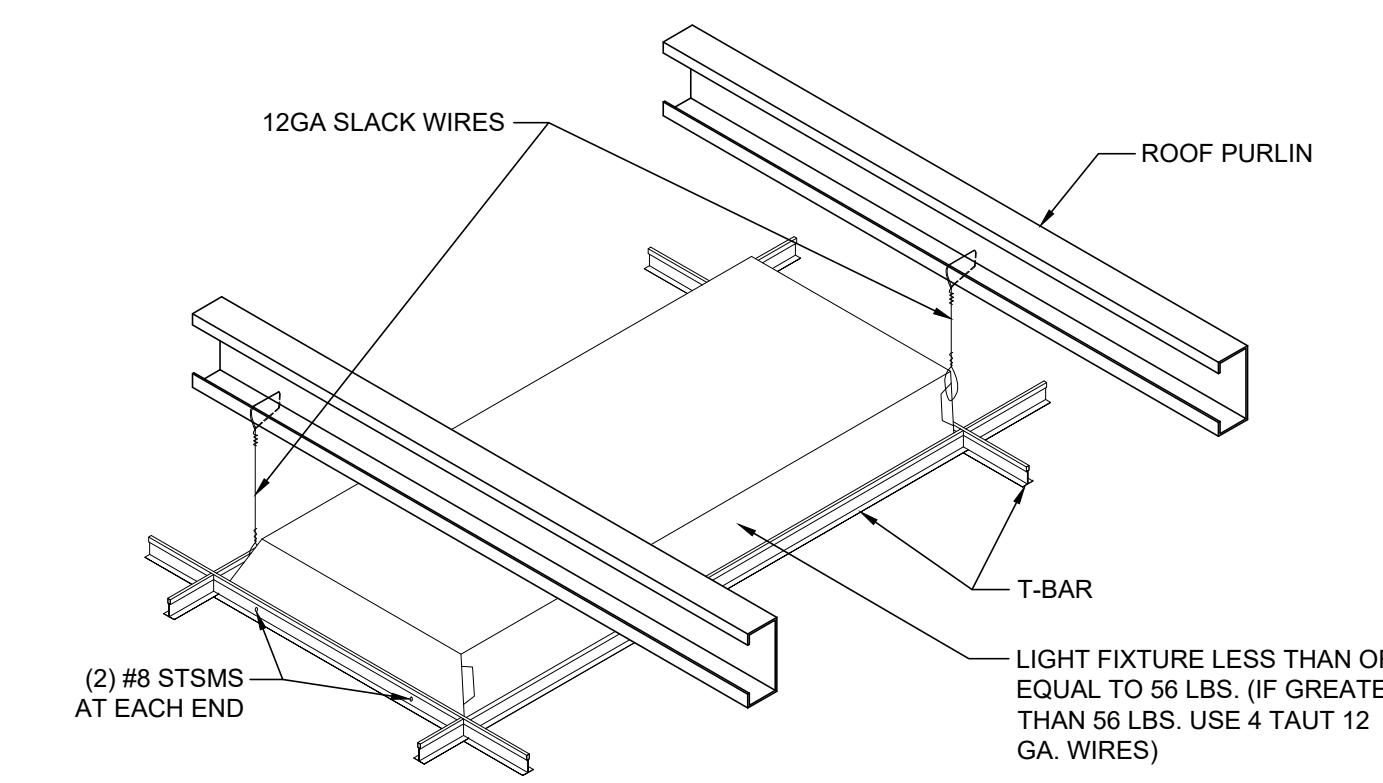
**GRID AT MODLINE** SCALE: 3"=1'-0" 1



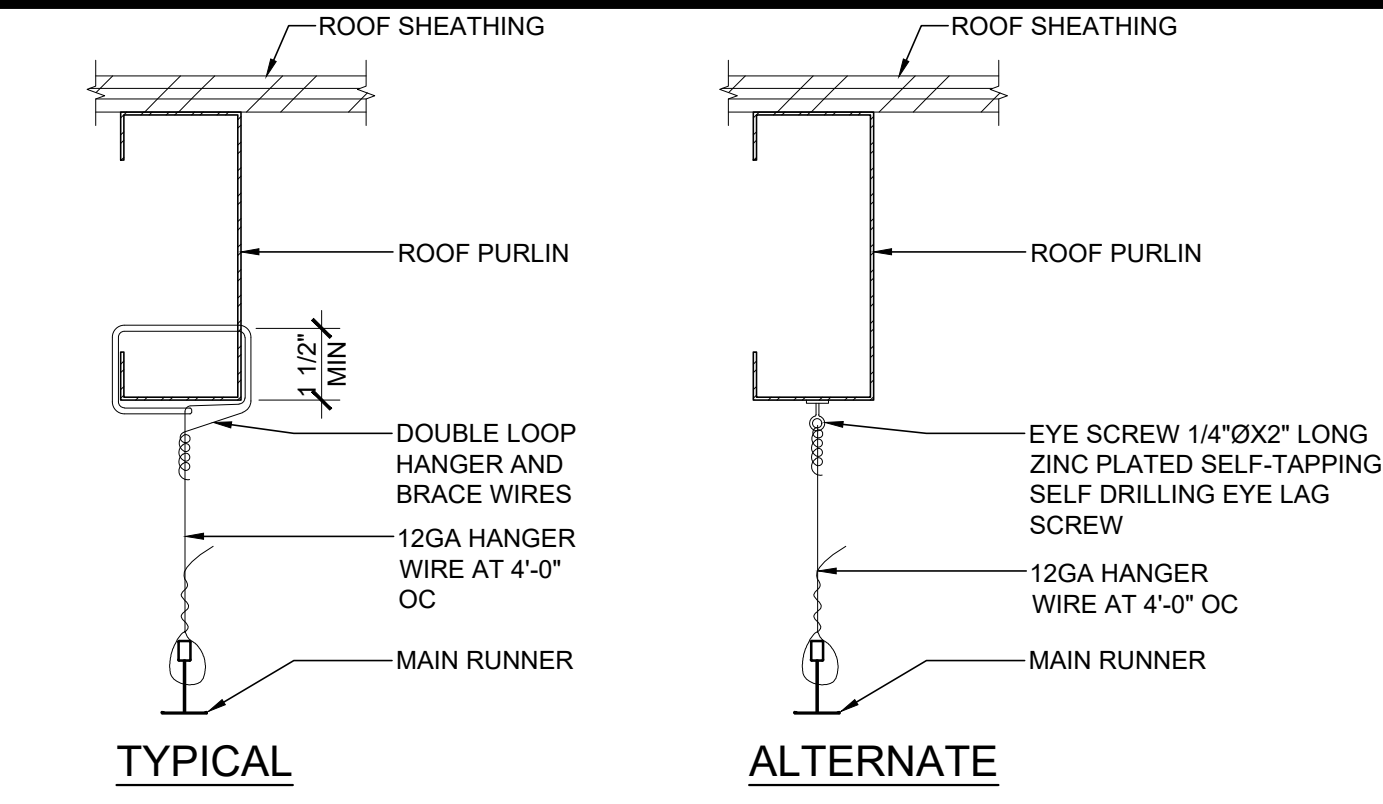
**4' CROSS TEE AT LIGHTS** SCALE: 3/8"=1'-0" 2



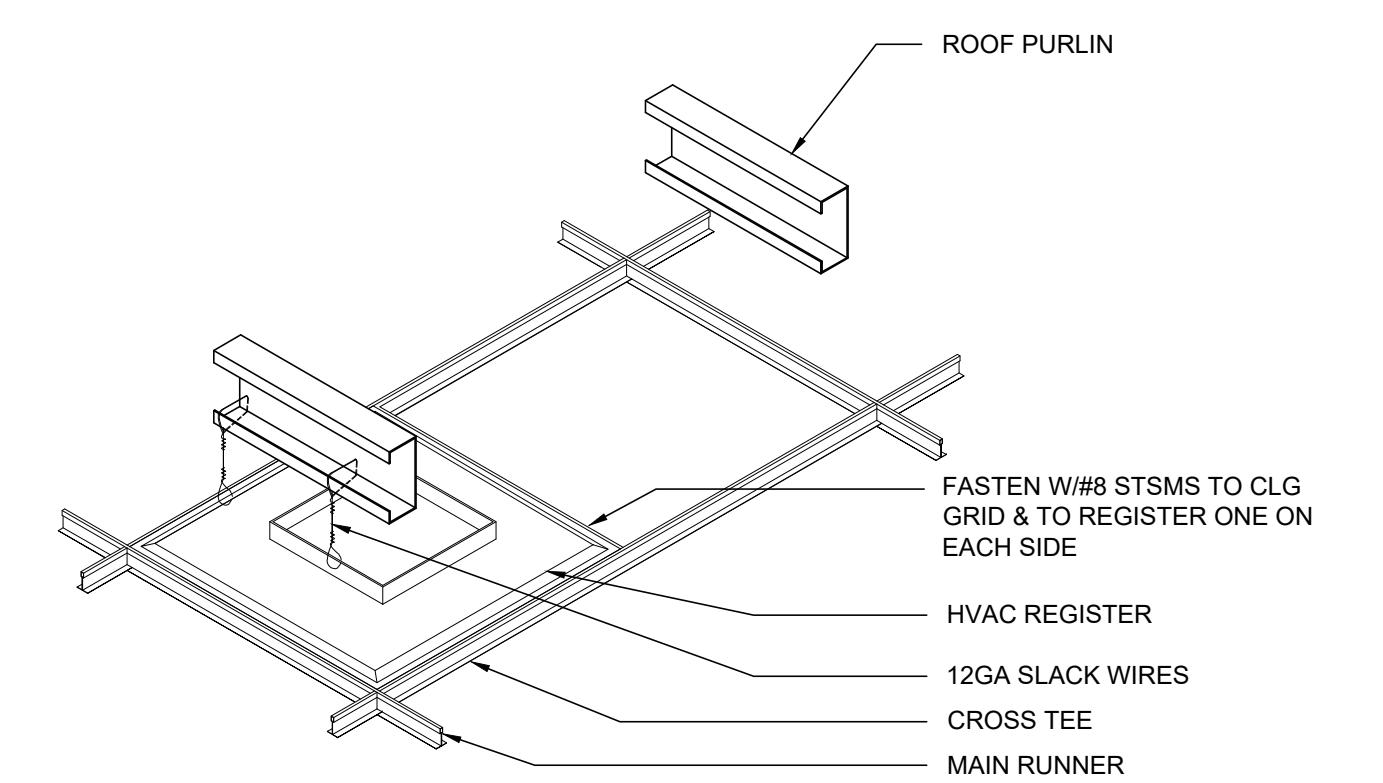
**SPLAY BRACING WIRE** SCALE: 3"=1'-0" 6



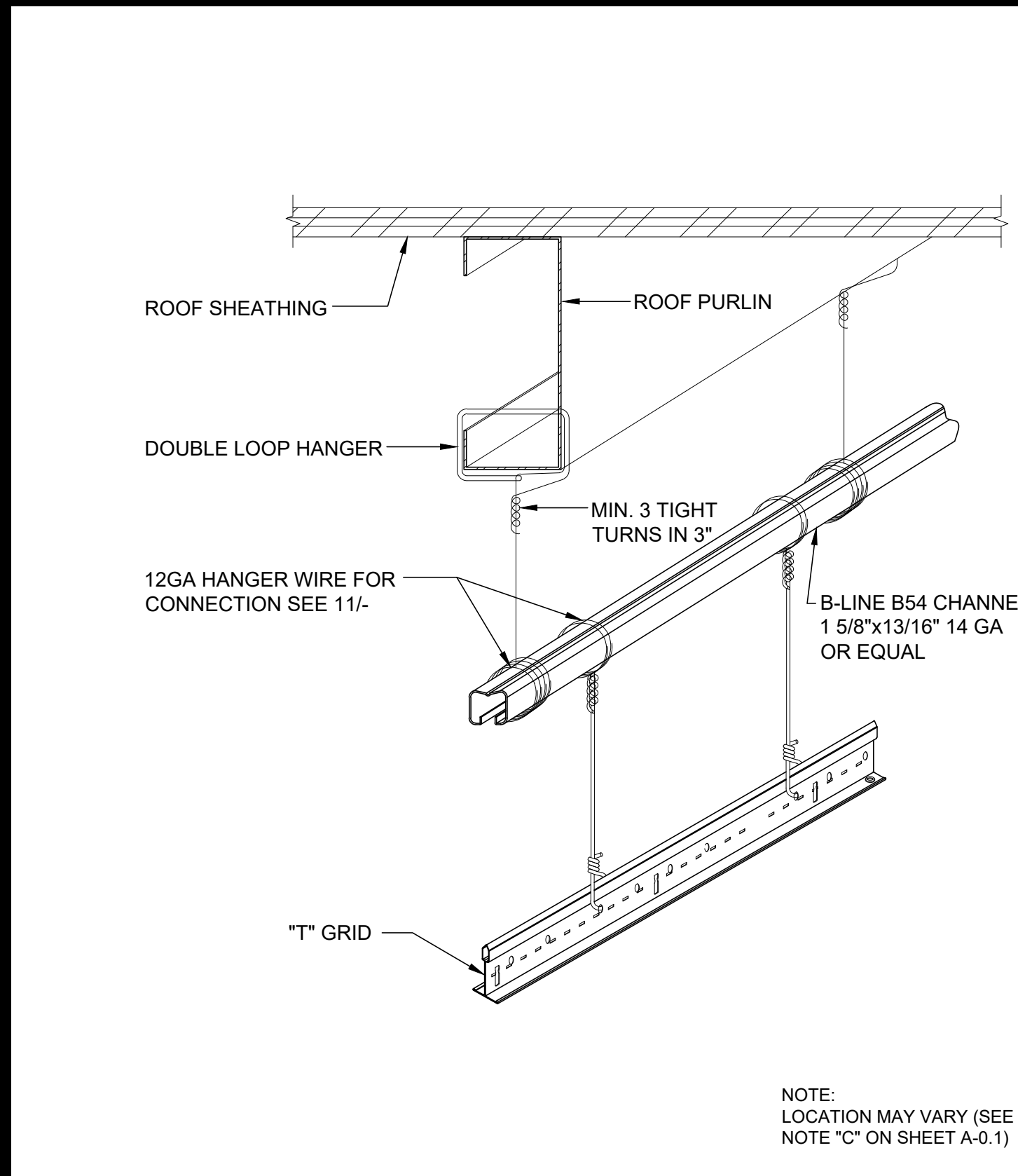
**LIGHT FIXTURE MOUNTING** SCALE: NTS 7



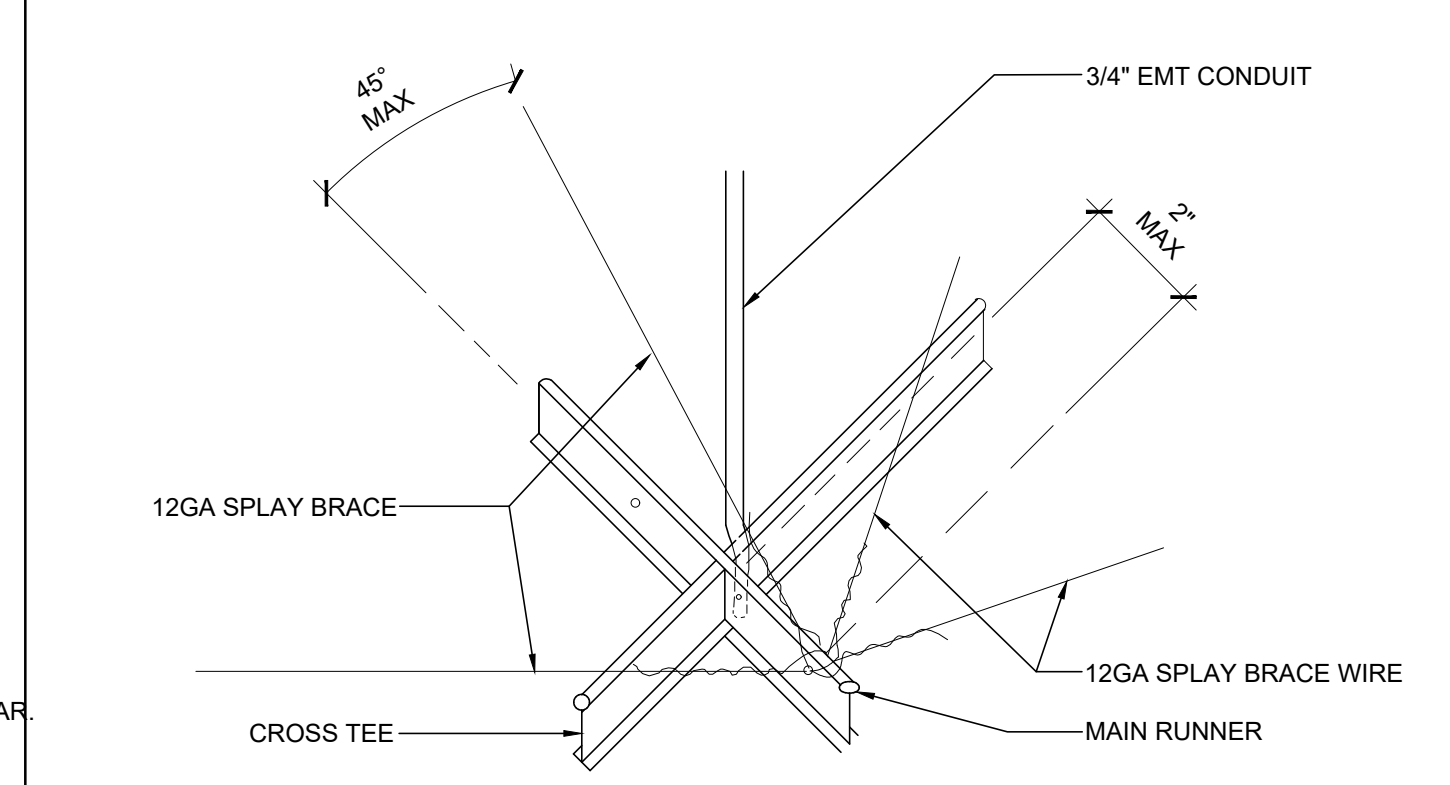
**HANGER WIRE DETAIL** SCALE: 3"=1'-0" 11



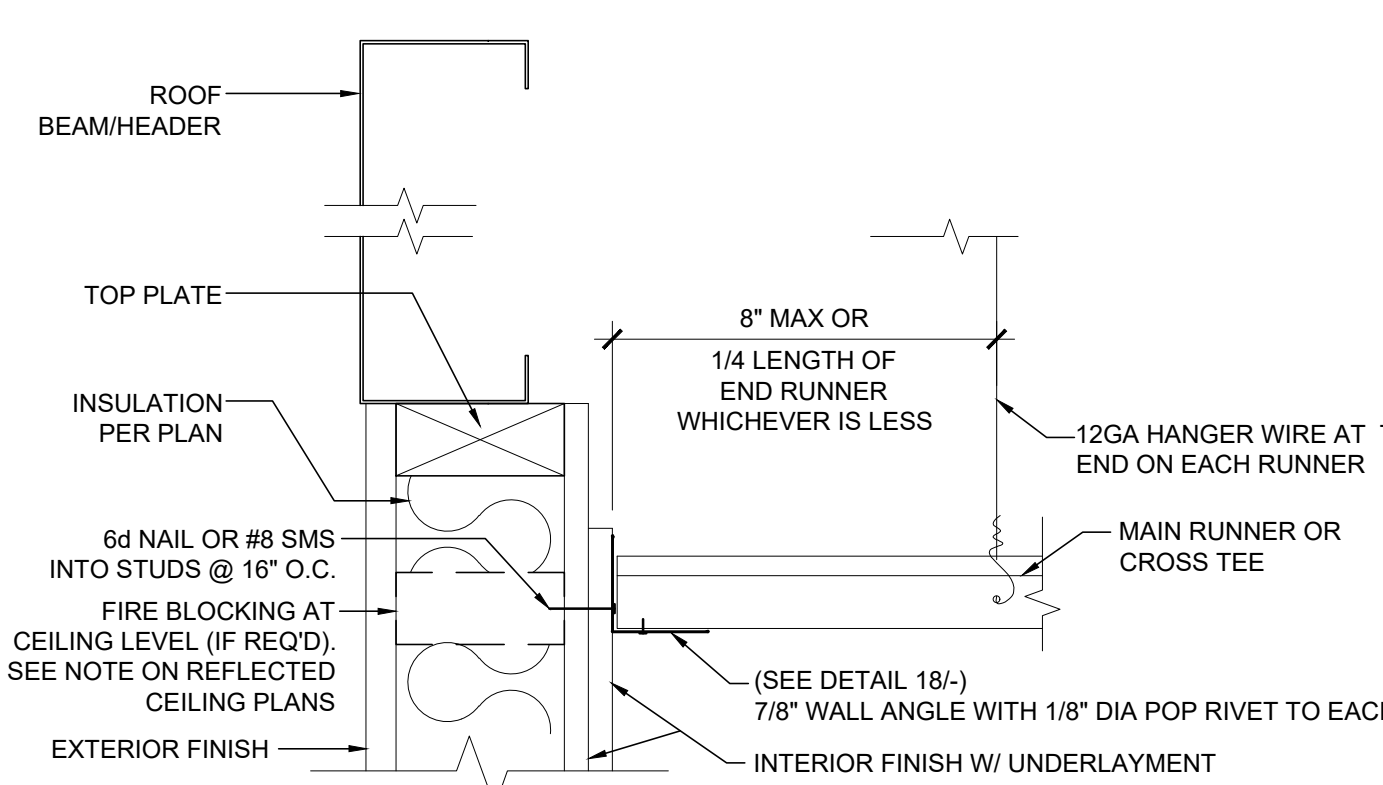
**HVAC REGISTER MOUNTING** SCALE: NTS 12



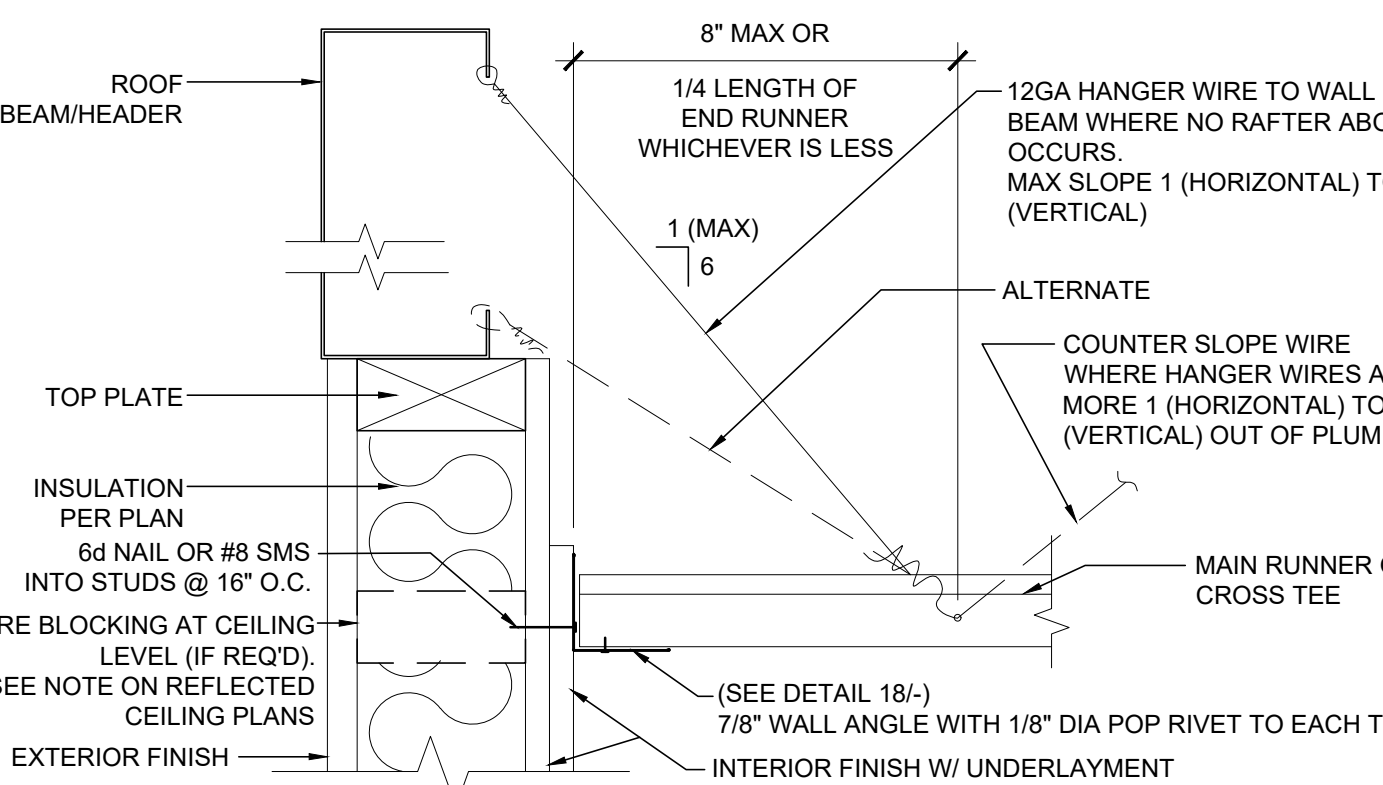
**TRAPEZE DETAIL** SCALE: NTS 17



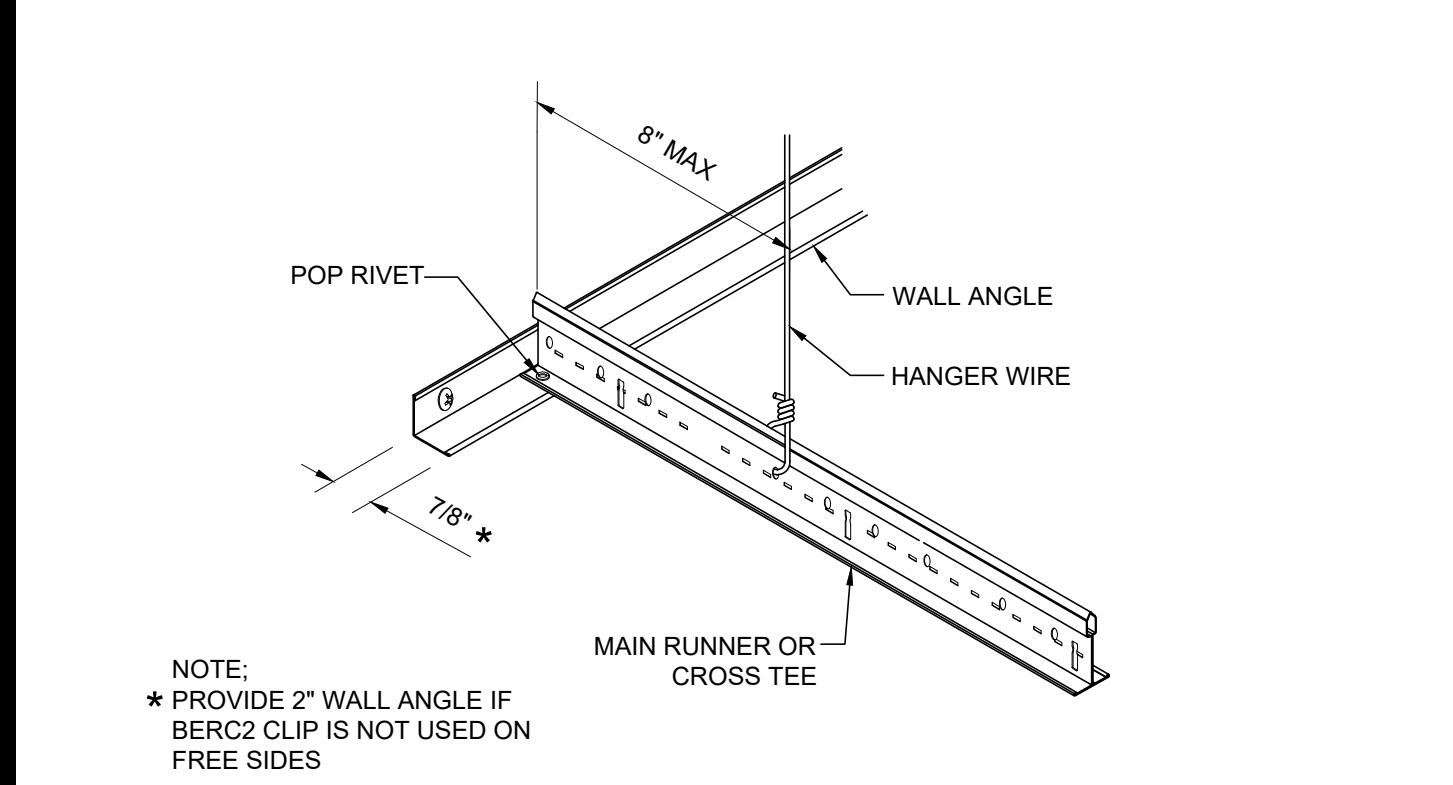
**SEISMIC SPLAY - 4 WAY** SCALE: NTS 3



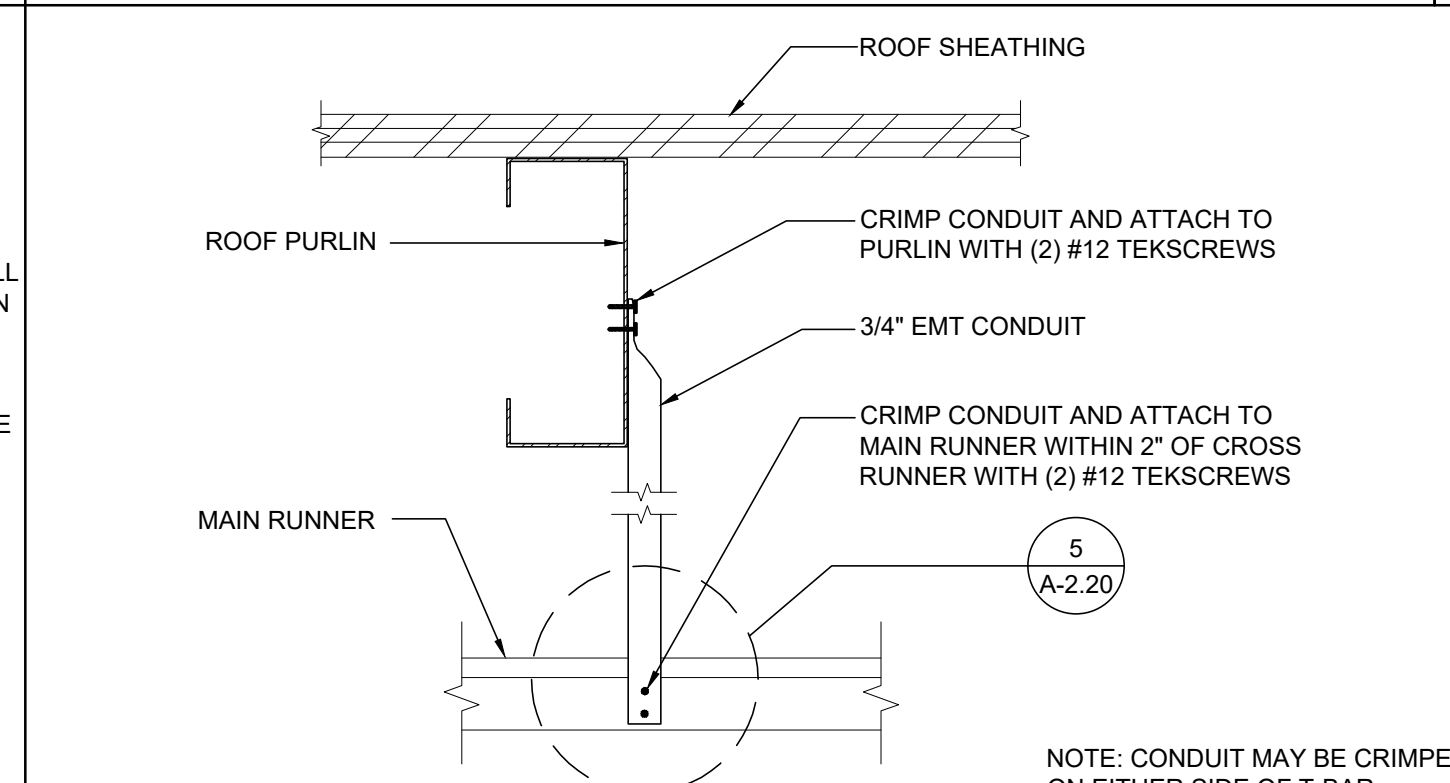
**HANGER WIRE - FIXED SIDE (SIDEWALL)** SCALE: 3"=1'-0" 8



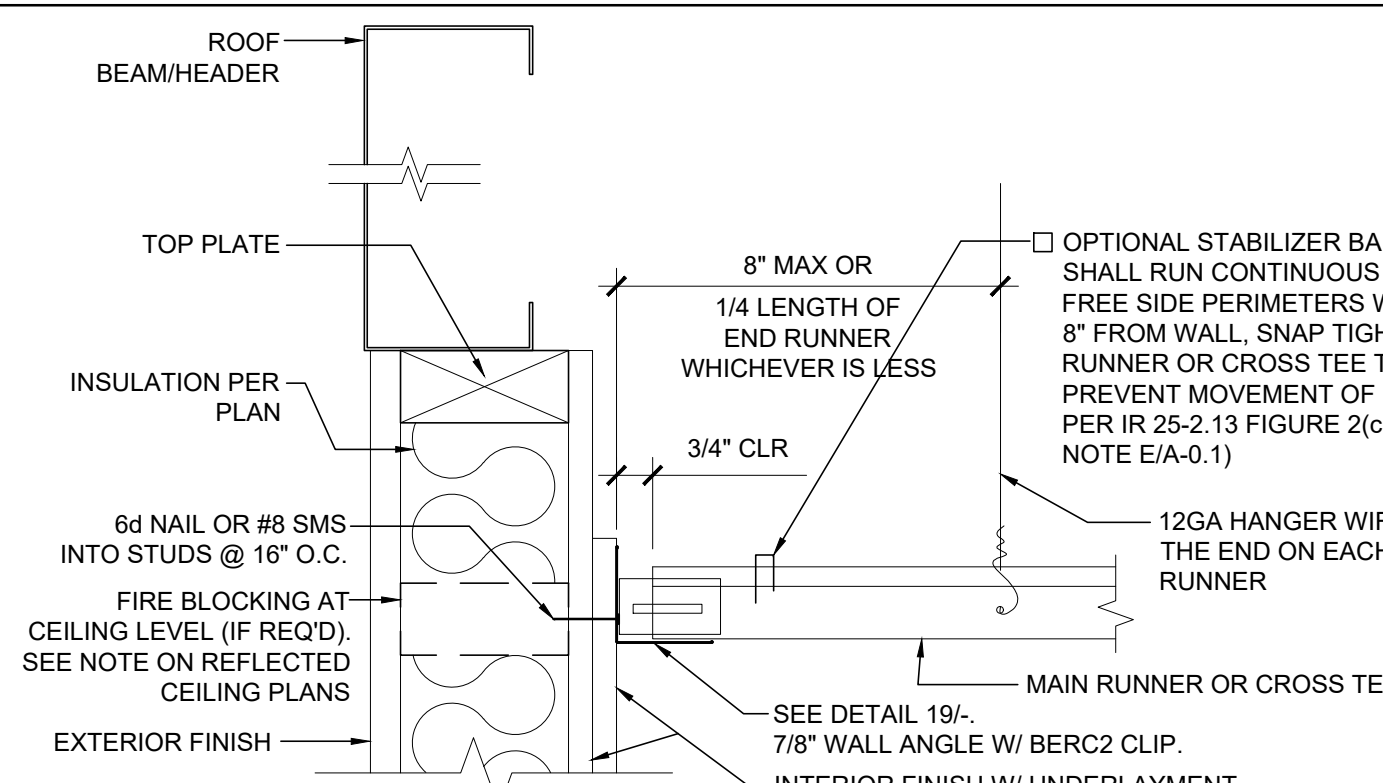
**HANGER WIRE - FIXED SIDE (ENDWALL)** SCALE: 3"=1'-0" 13



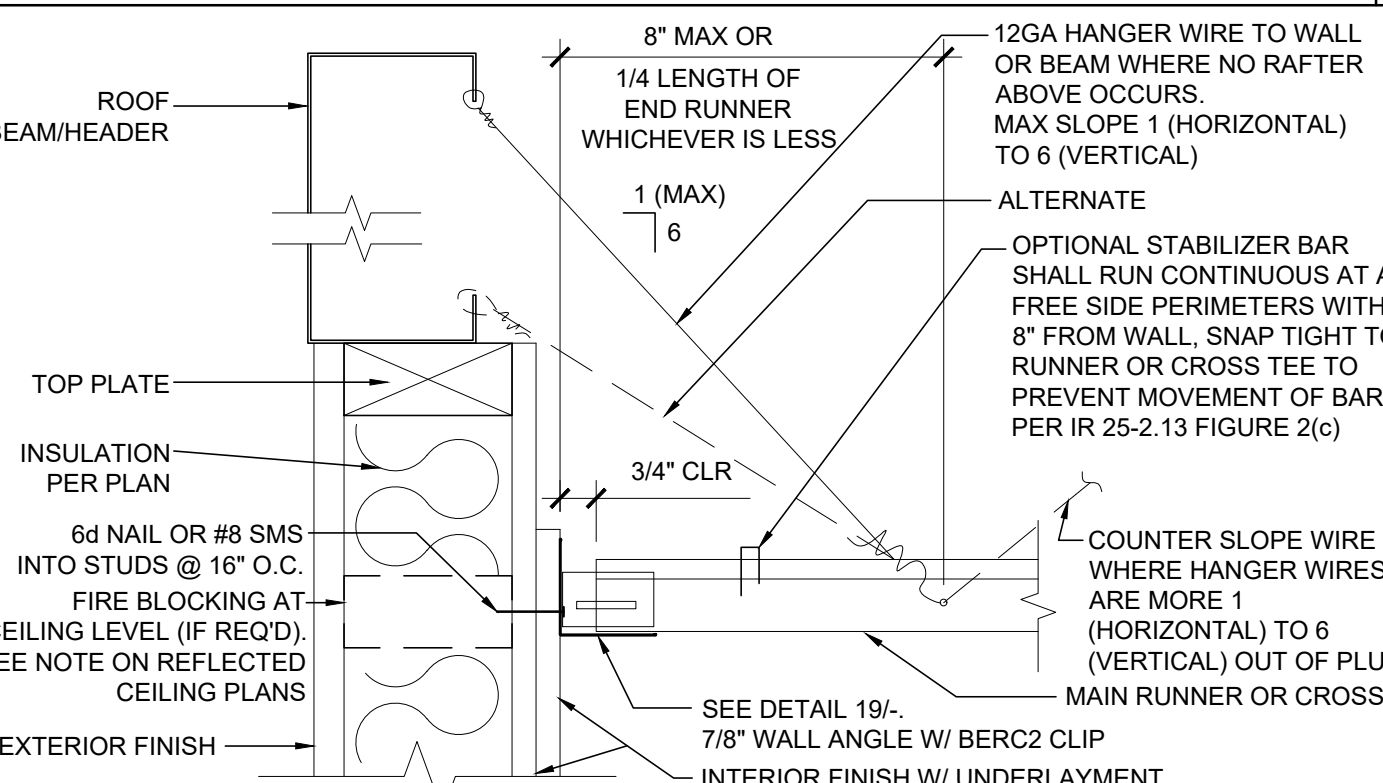
**FIXED SIDE** SCALE: NTS 18



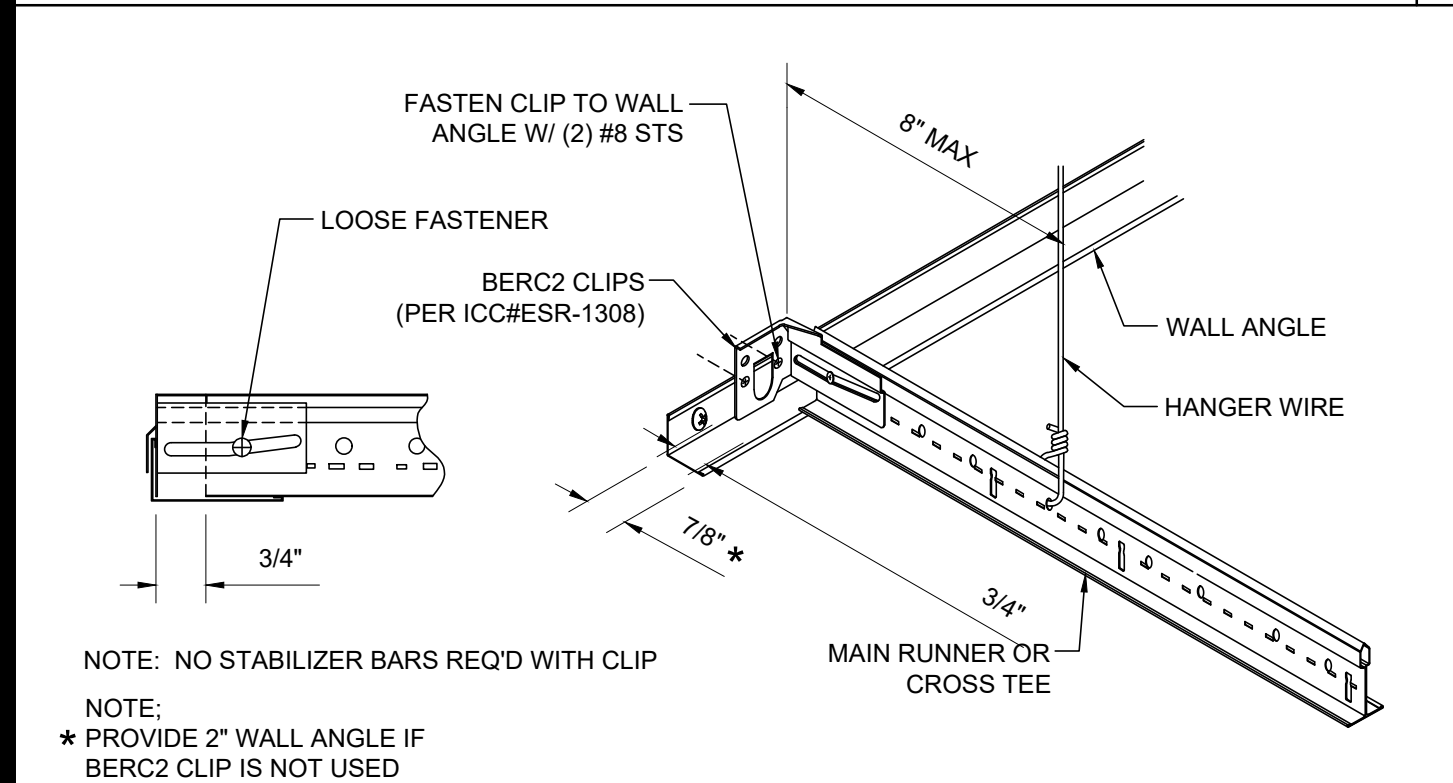
**COMPRESSION STRUT** SCALE: 3"=1'-0" 4



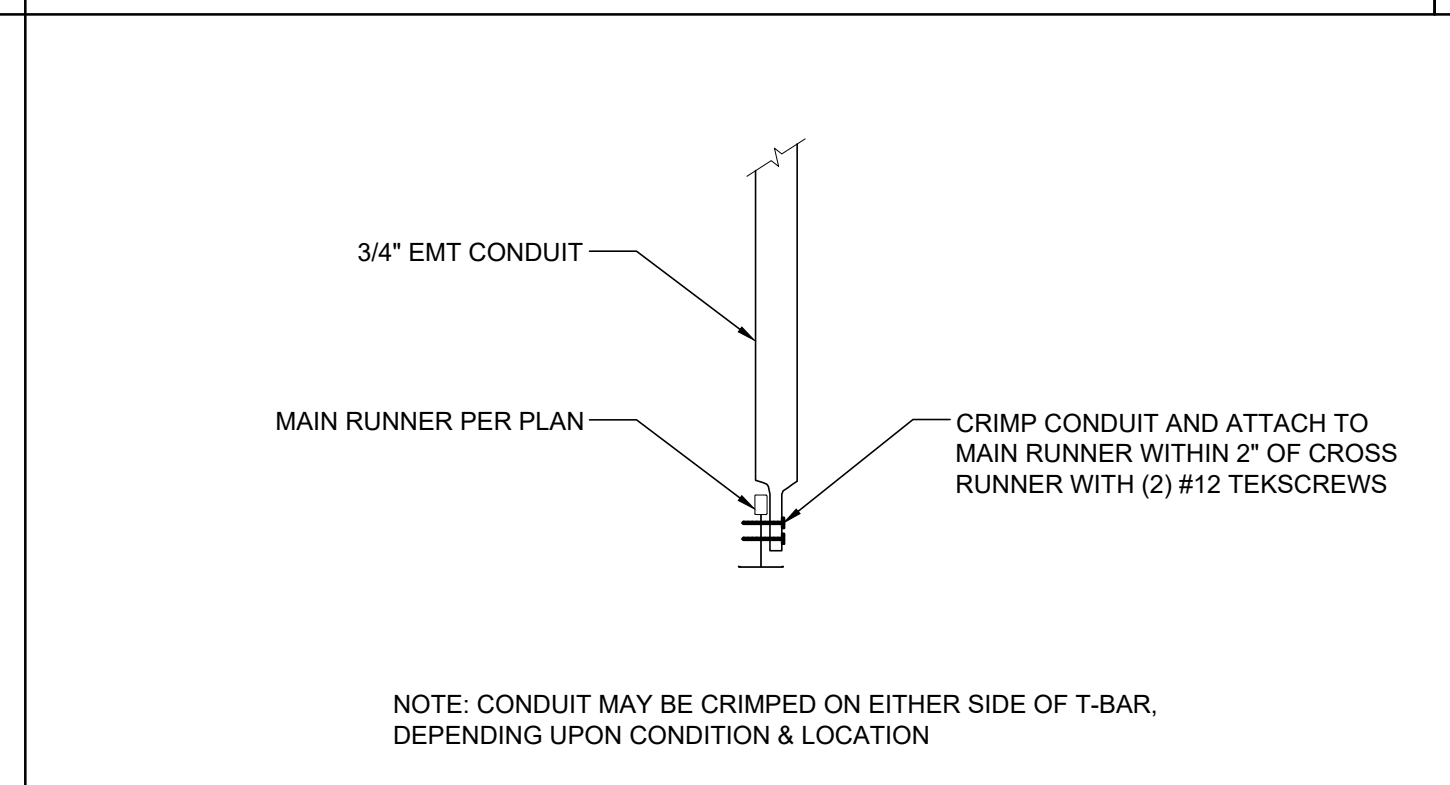
**HANGER WIRE - FREE SIDE (SIDEWALL)** SCALE: 3"=1'-0" 9



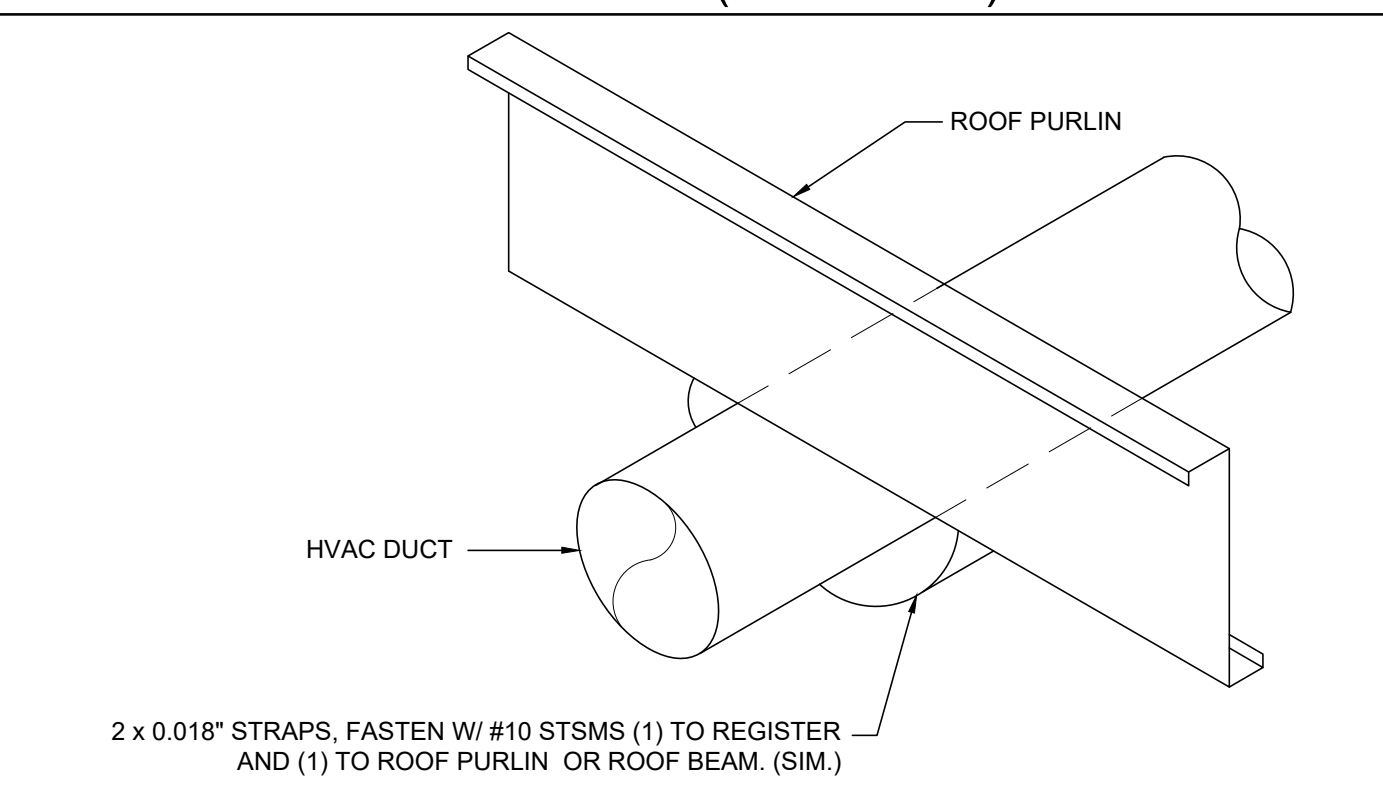
**HANGER WIRE - FREE SIDE (ENDWALL)** SCALE: 3"=1'-0" 14



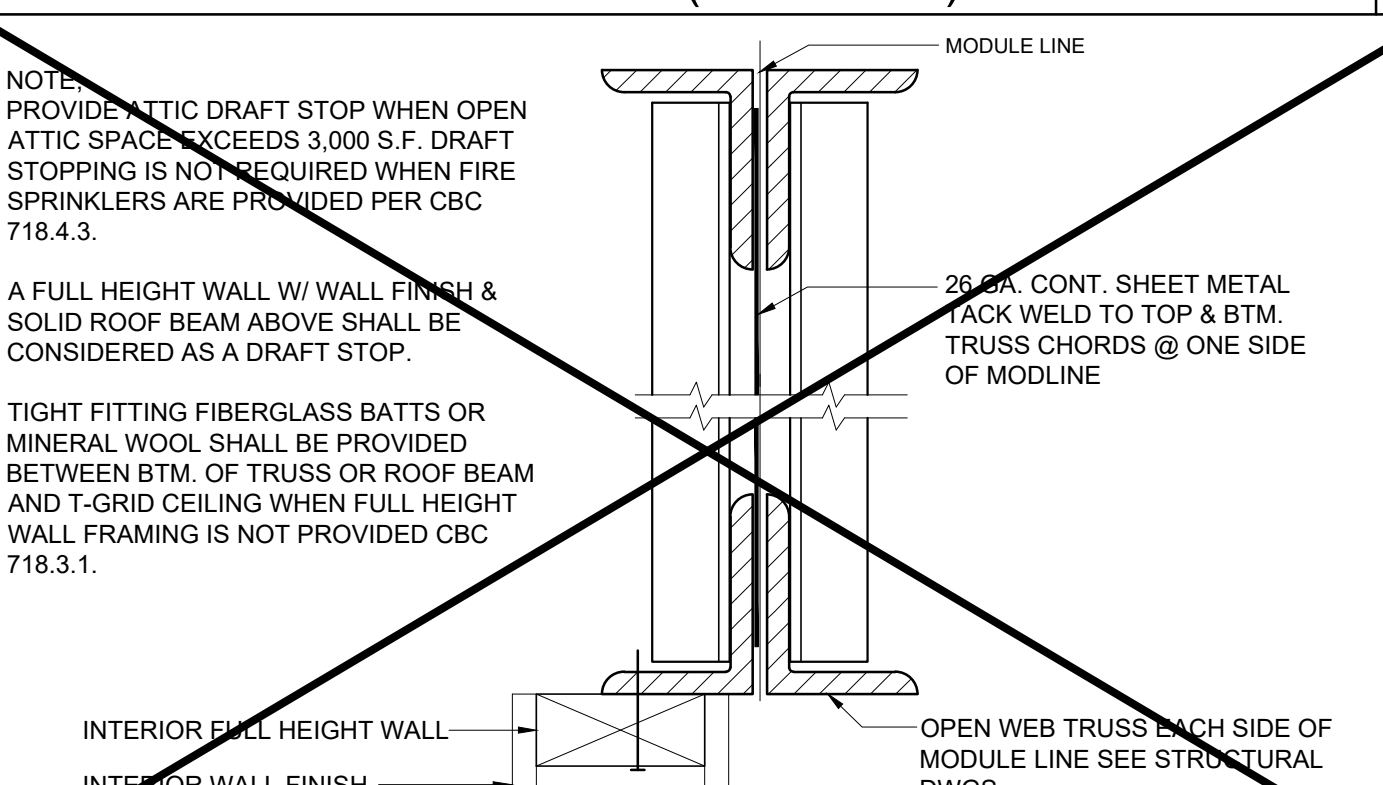
**FREE SIDE** SCALE: NTS 19



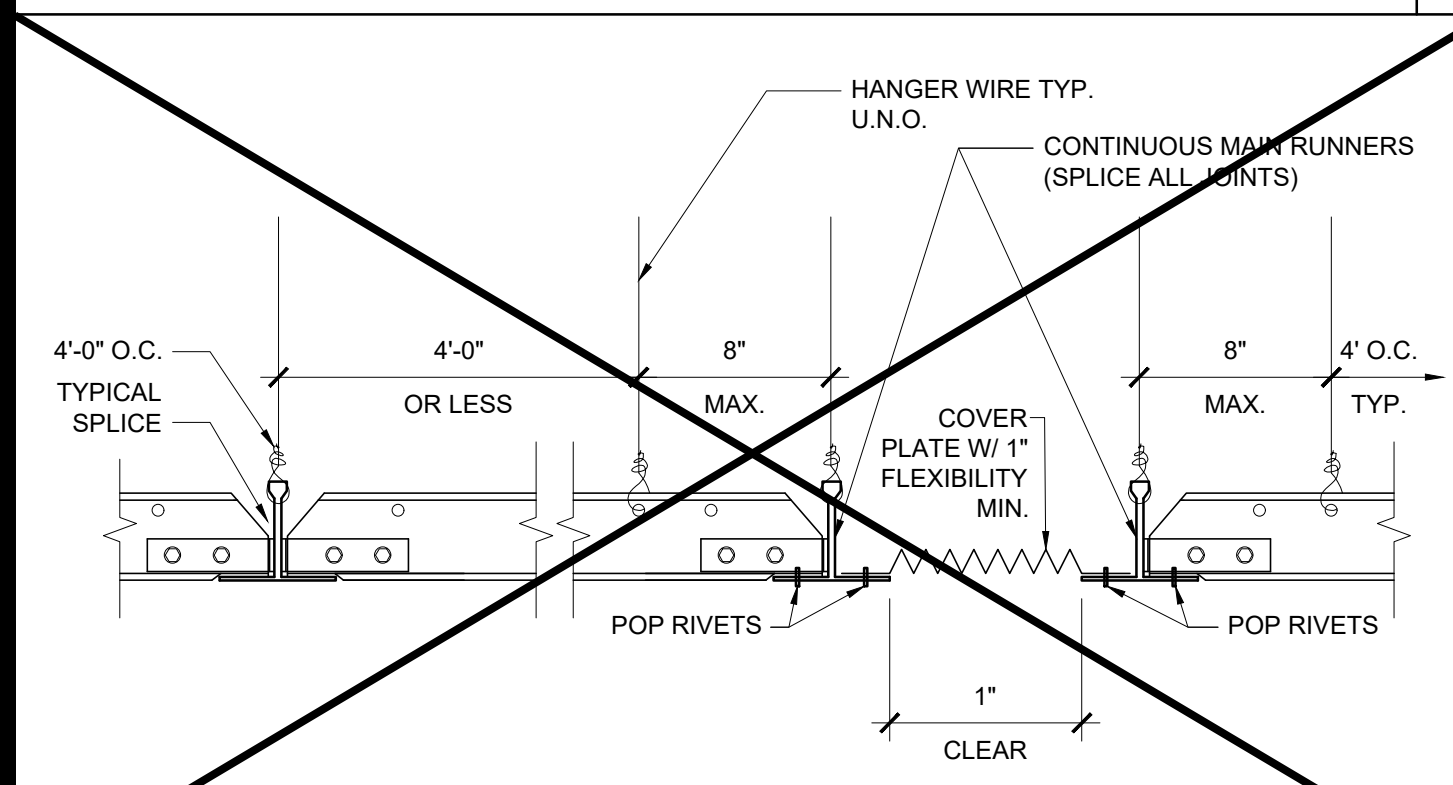
**COMPRESSION STRUT** SCALE: 3"=1'-0" 5



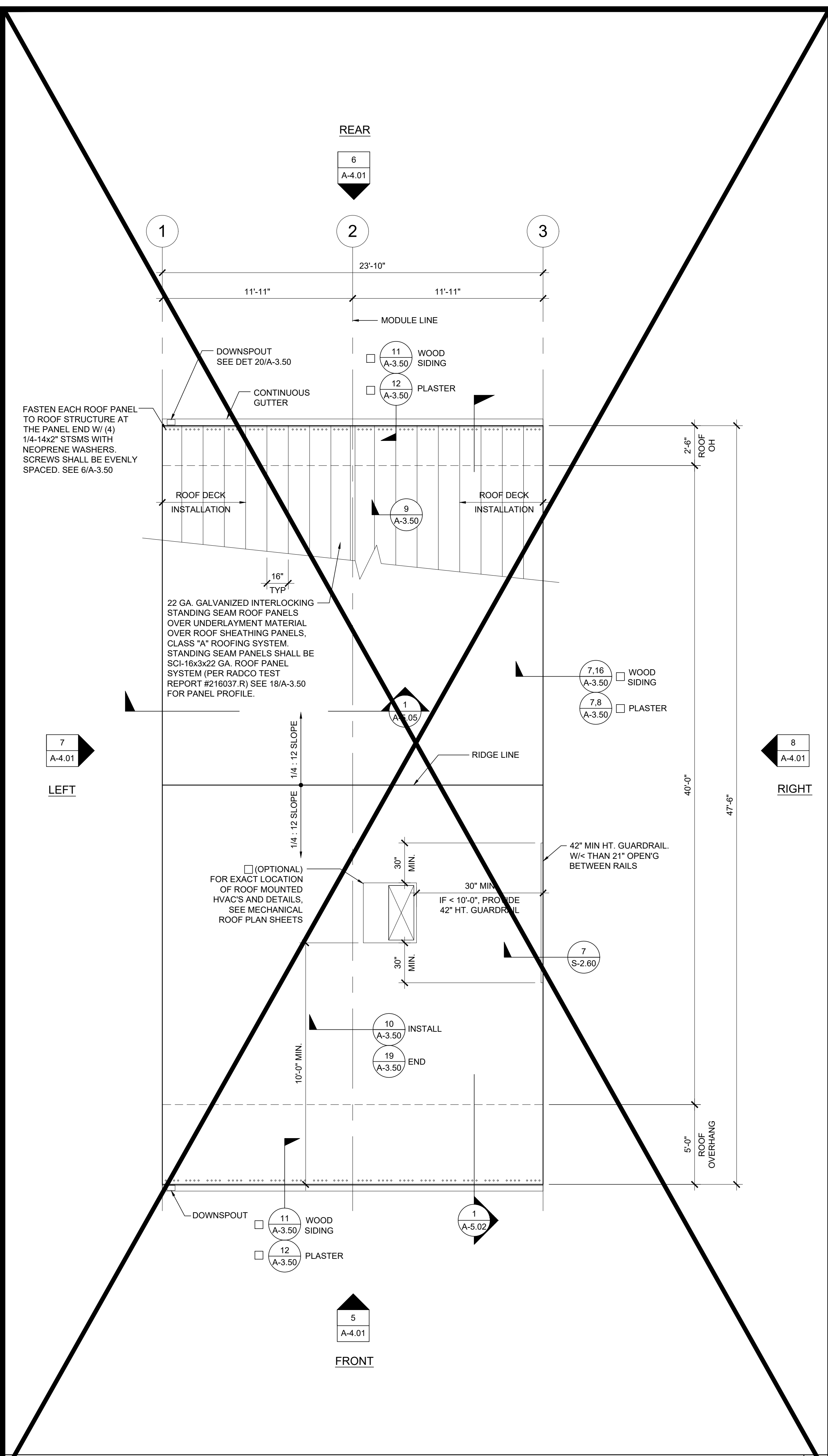
**ATTIC DRAFT STOP** SCALE: 3"=1'-0" 15



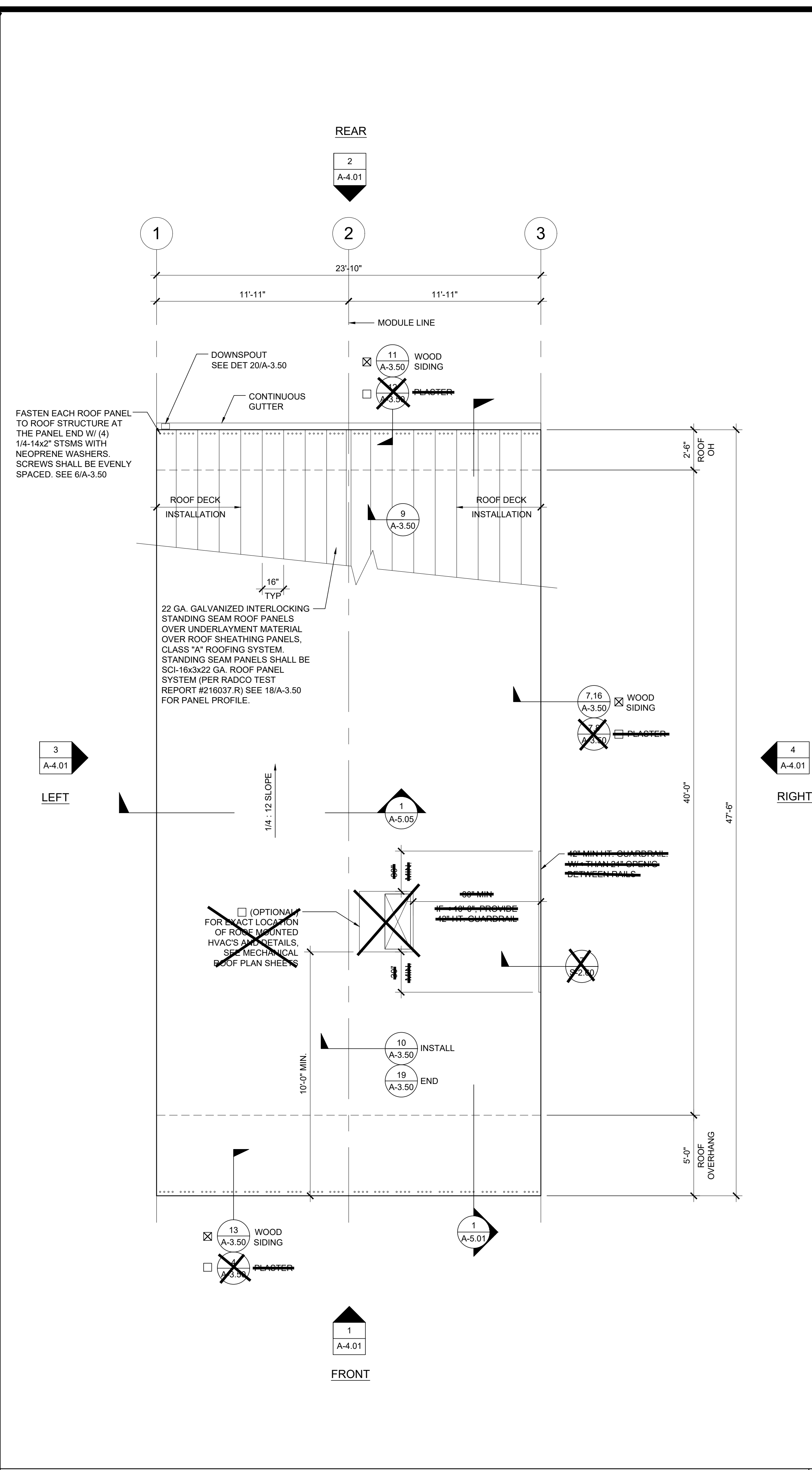
**HVAC DUCTWORK MOUNTING** SCALE: NTS 10



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



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

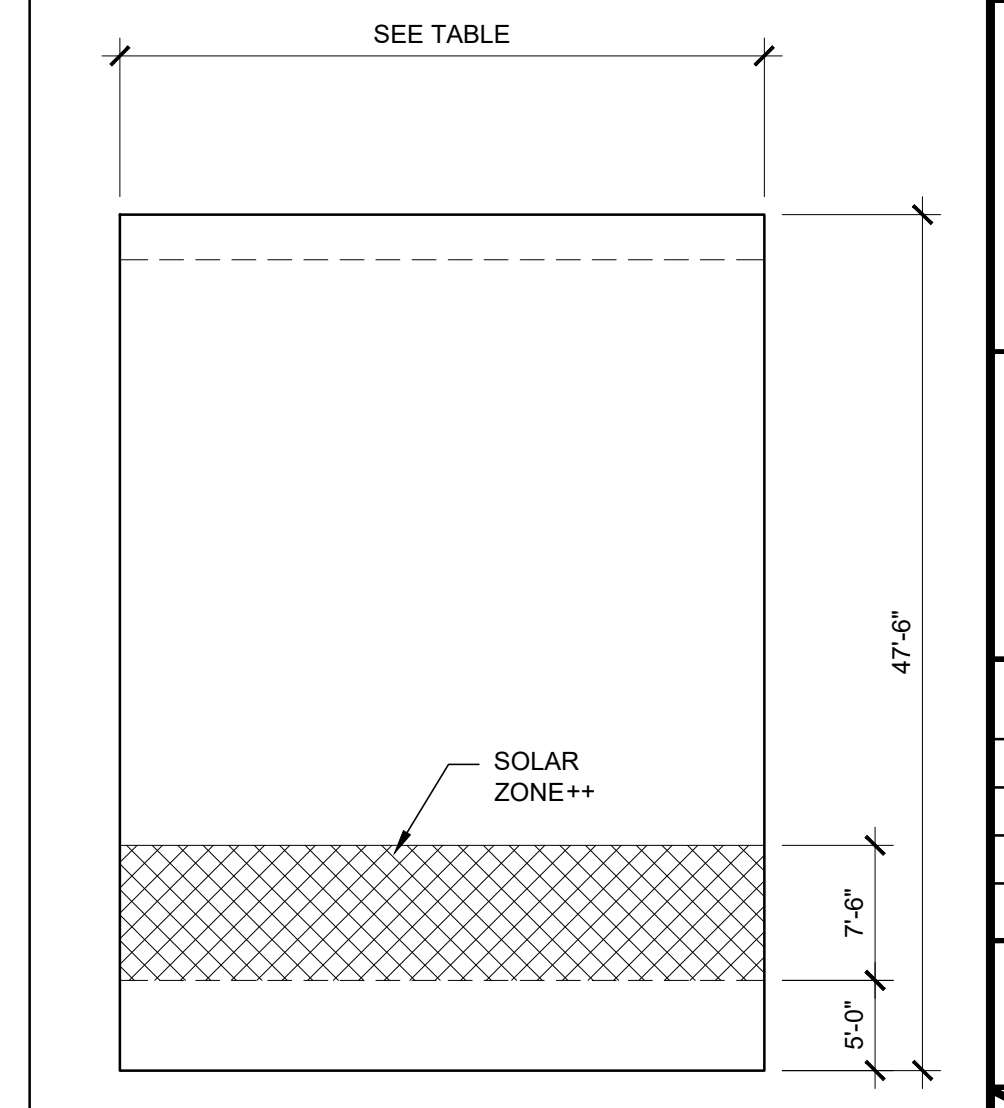


ROOF PLAN - METAL DECK - MONO SLOPE SCALE: 1/4" = 1' - 0"

**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**

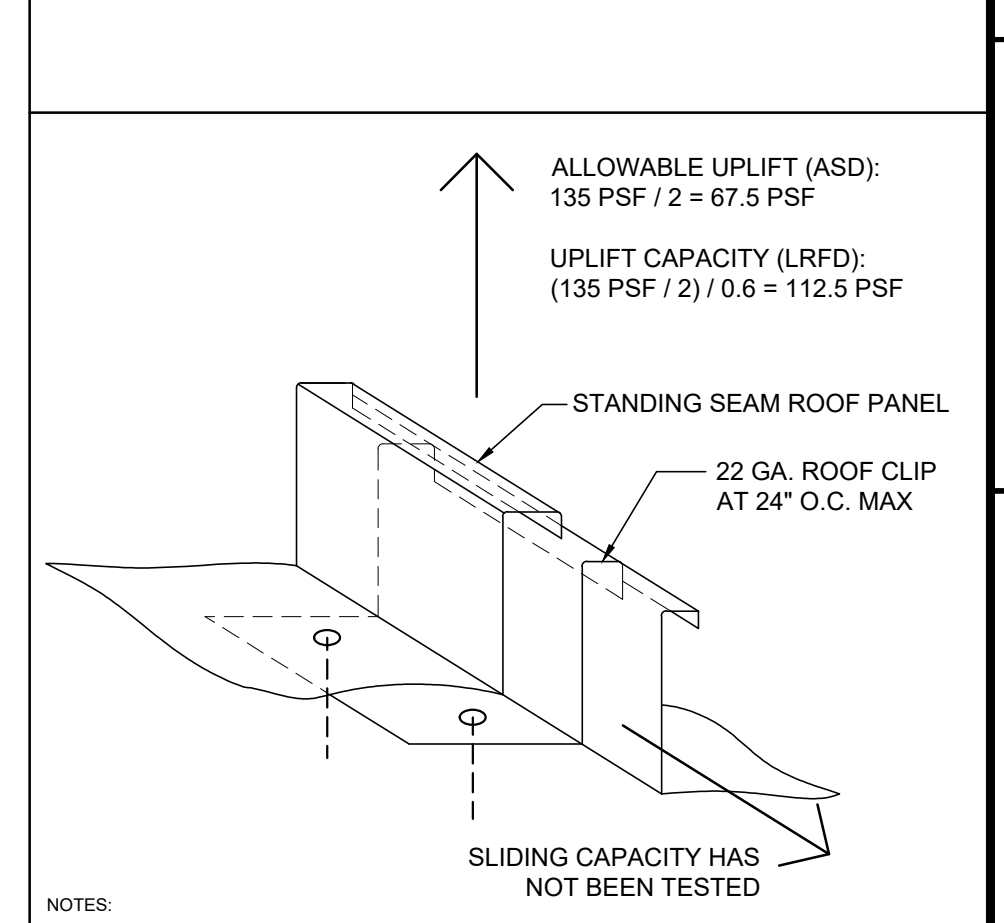


KEYPLAN

BUILDING SIZE	REQUIRED SOLAR ZONE	PROVIDED SOLAR ZONE
24'-0" x 40'-0"	172 SF	178 SF
20'-0" x 40'-0"	250 SF	267 SF
16'-0" x 40'-0"	344 SF	360 SF
12'-0" x 40'-0"	430 SF	445 SF
8'-0" x 40'-0"	510 SF	524 SF
4'-0" x 40'-0"	590 SF	599 SF
0'-0" x 40'-0"	660 SF	674 SF
40'-0" x 10'-0"	734 SF	764 SF
40'-0" x 5'-0"	800 SF	830 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 (LRFD WIND PRESSURE).

ROOF SYSTEM CAPACITY SCALE: NTS

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

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

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-3.01**

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

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

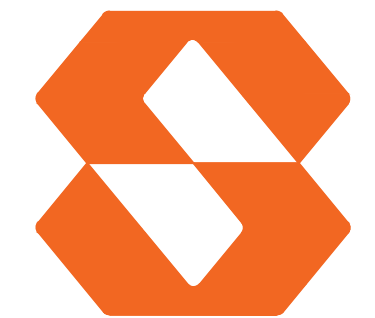
REVISIONS

- 1
- 2
- 3
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PRE-CHECK (PC) DOCUMENT  
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MODULAR BUILDING DESIGN PROFESSIONAL

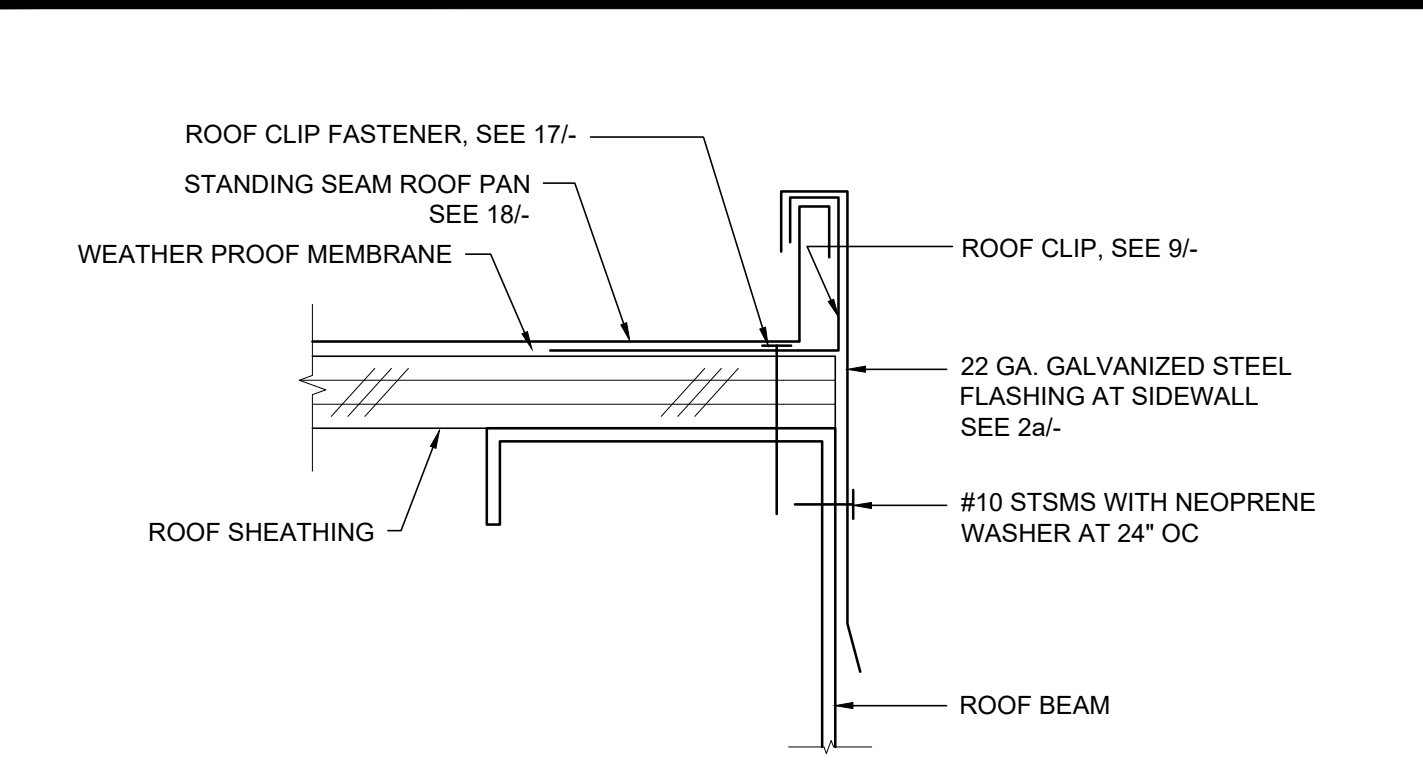


SILVER CREEK INDUSTRIES  
 24' x 40' PC

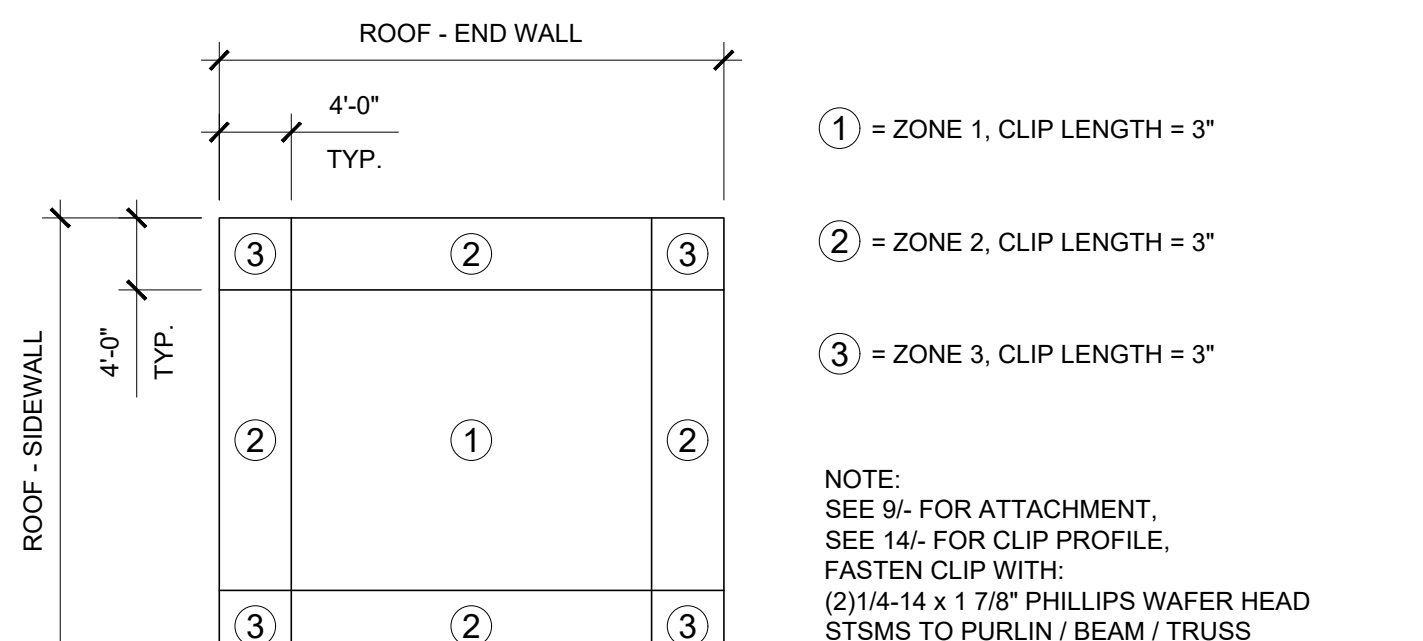
PROJECT NO:  
 DRAWN BY:  
 SCALE: AS NOTED  
 DATE: 02-27-2023

P.C. SHEET NUMBER

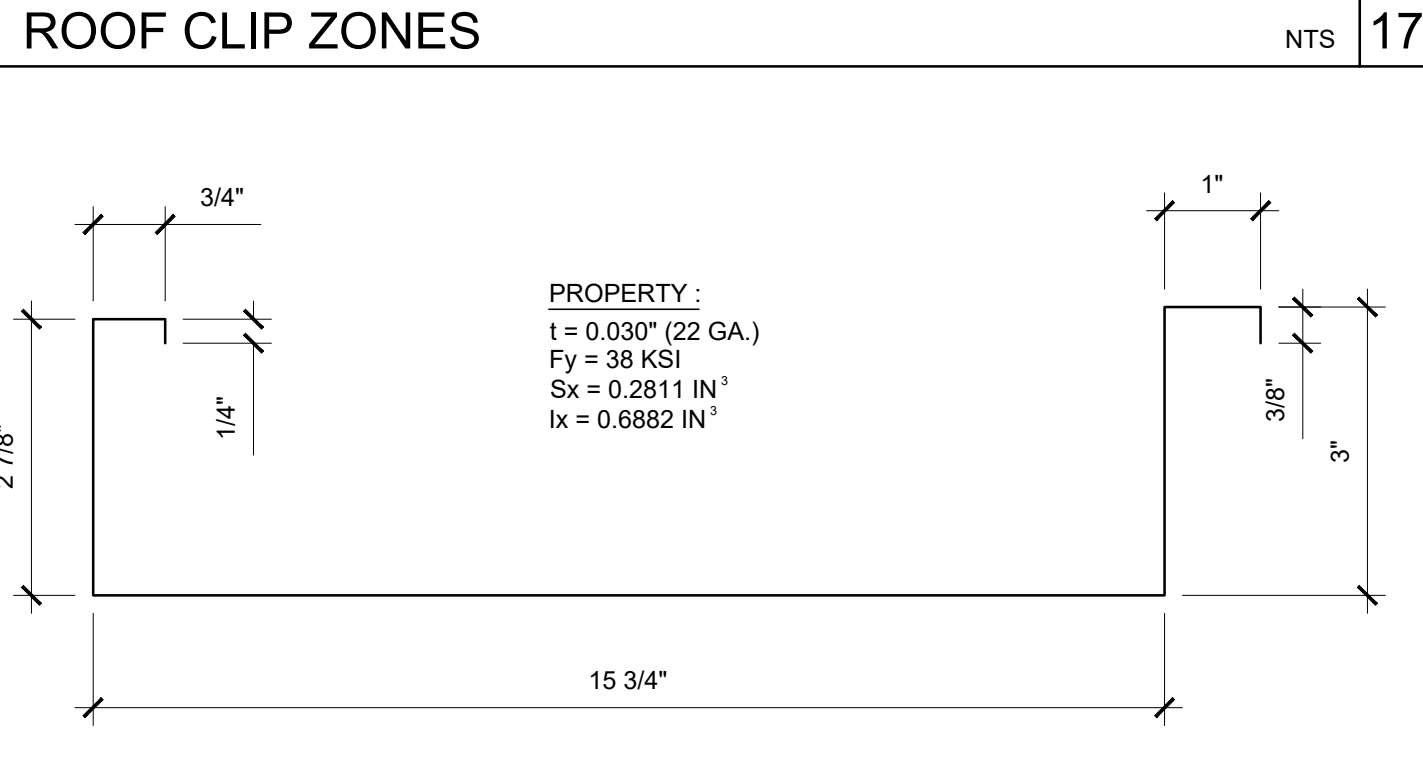
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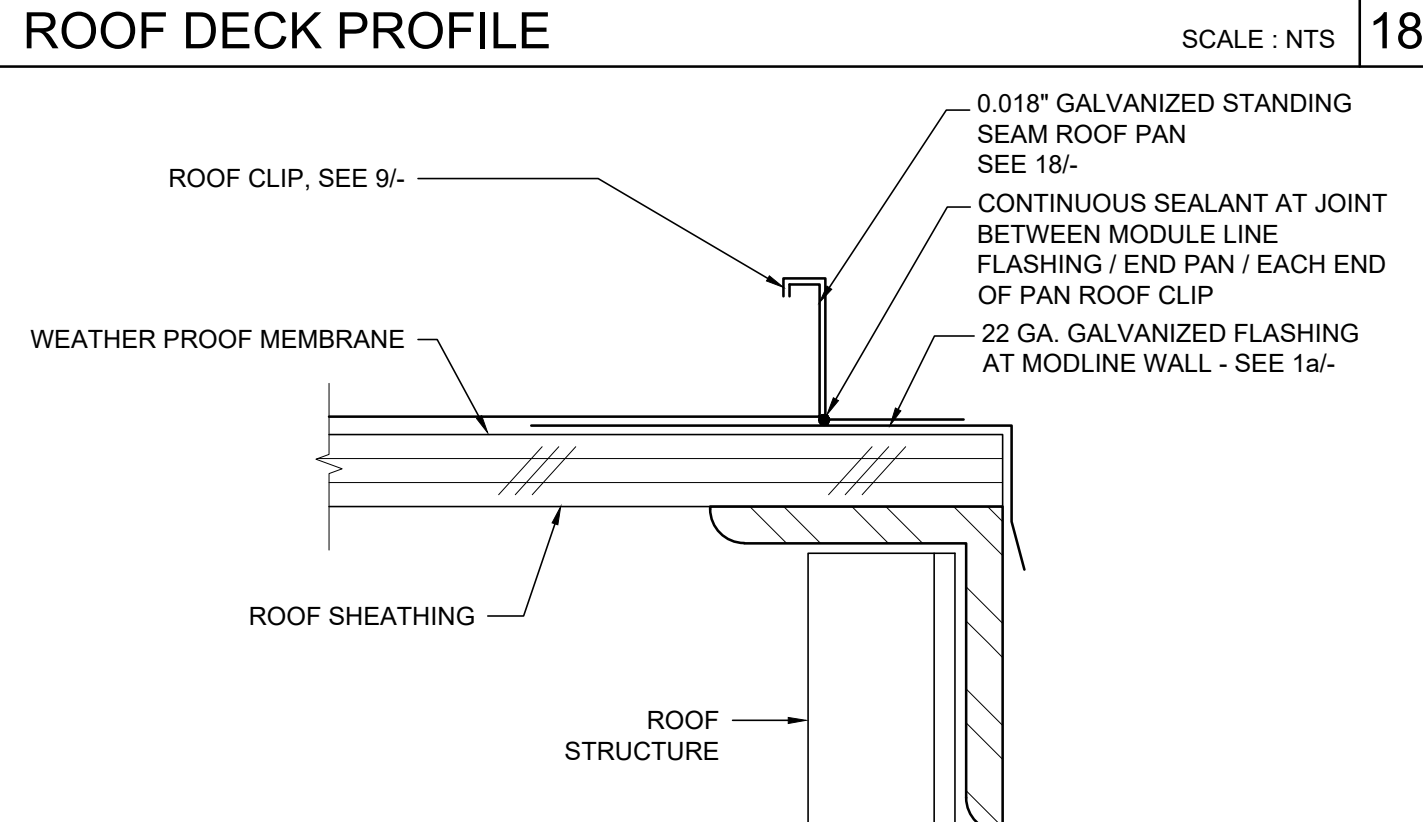
REF: A3.01, A3.02, A3.03, A3.04  
**ROOF FLASHING AT SIDEWALL** SCALE: 6"=1'-0" 16



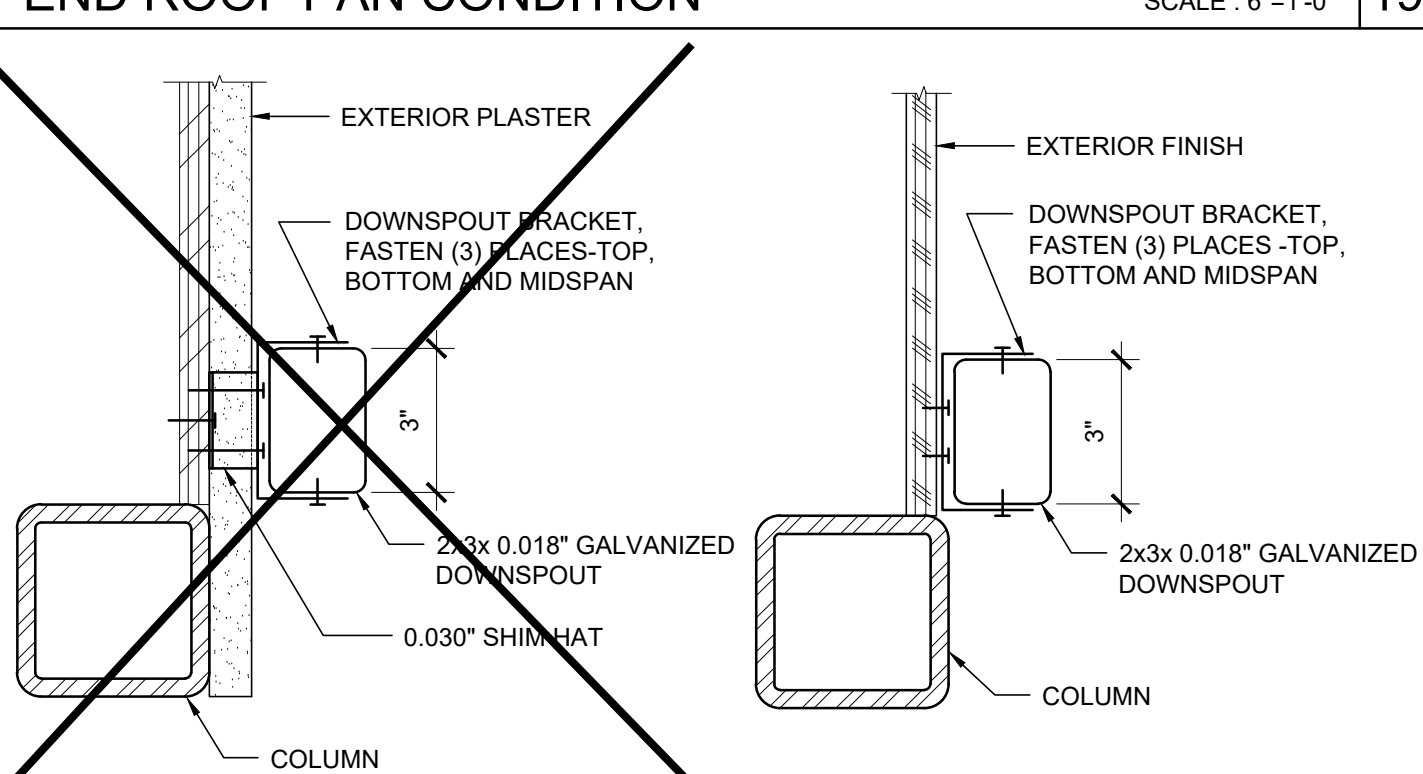
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**ROOF CLIP ZONES** NTS 17



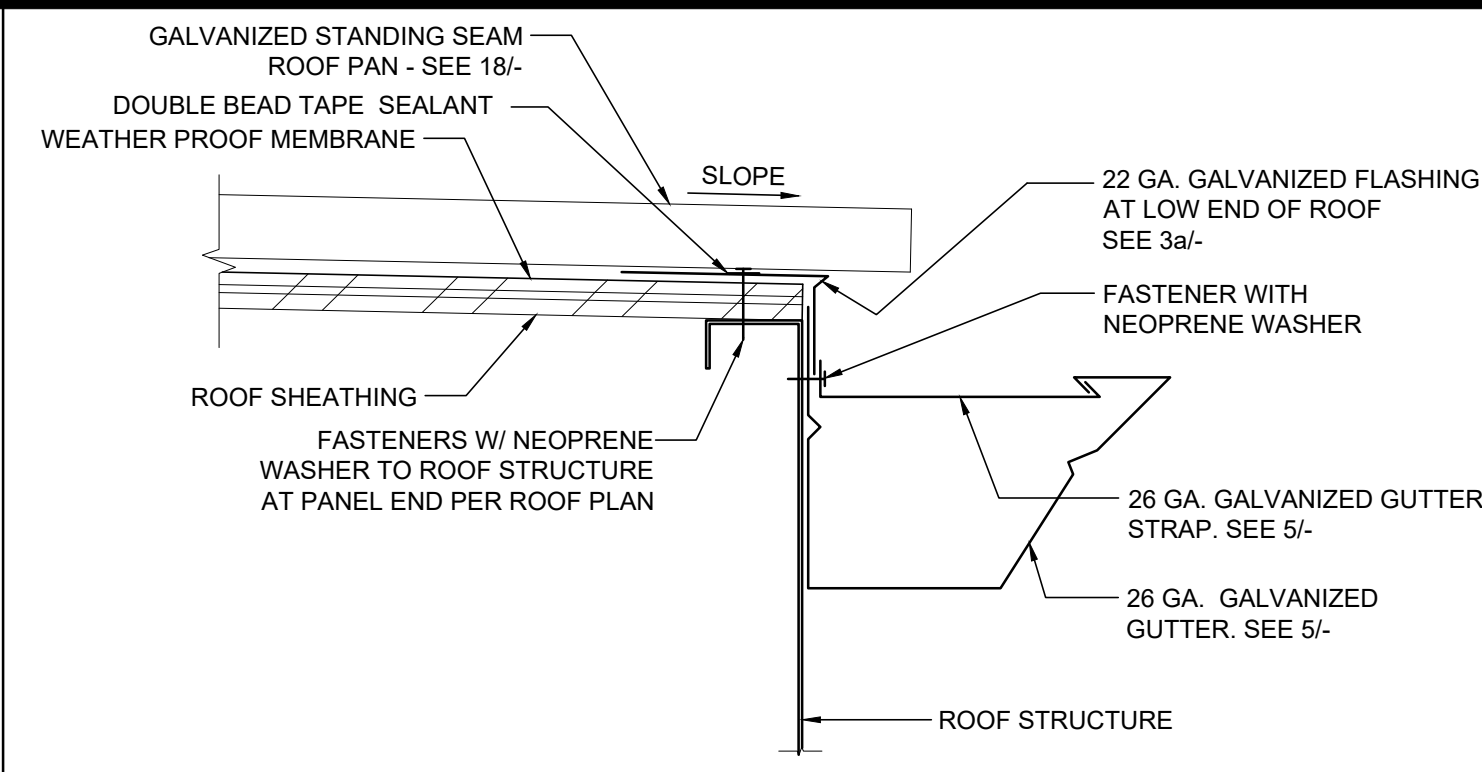
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**ROOF DECK PROFILE** SCALE: NTS 18



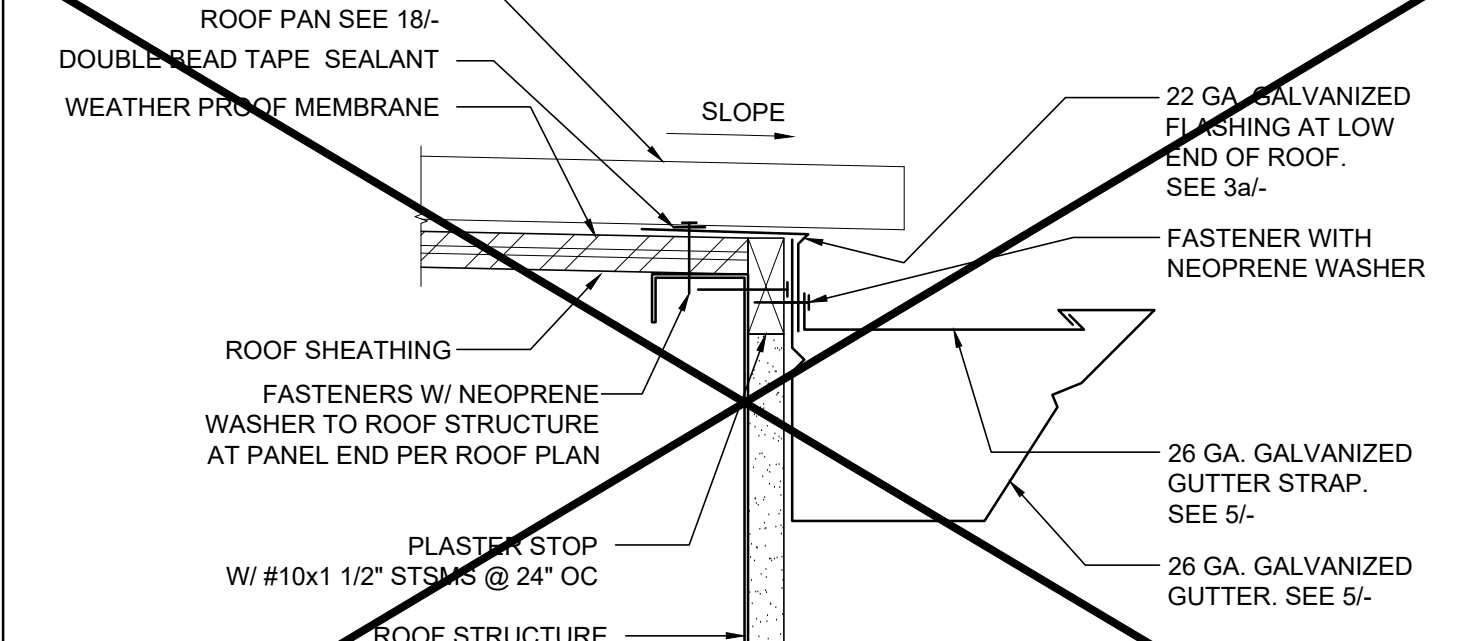
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**END ROOF PAN CONDITION** SCALE: 6"=1'-0" 19



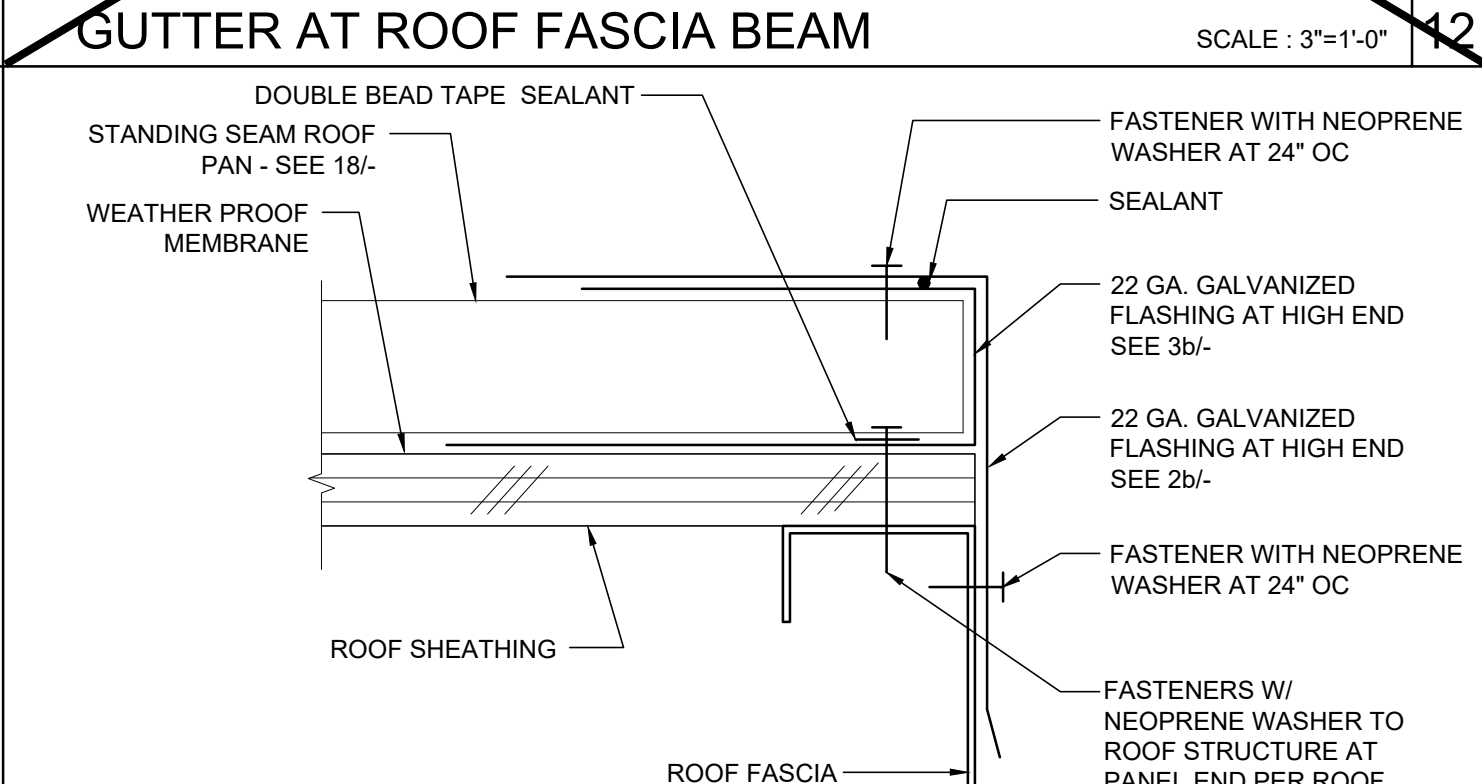
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**DOWNSPOUT ATTACHMENT** SCALE: 3"=1'-0" 20



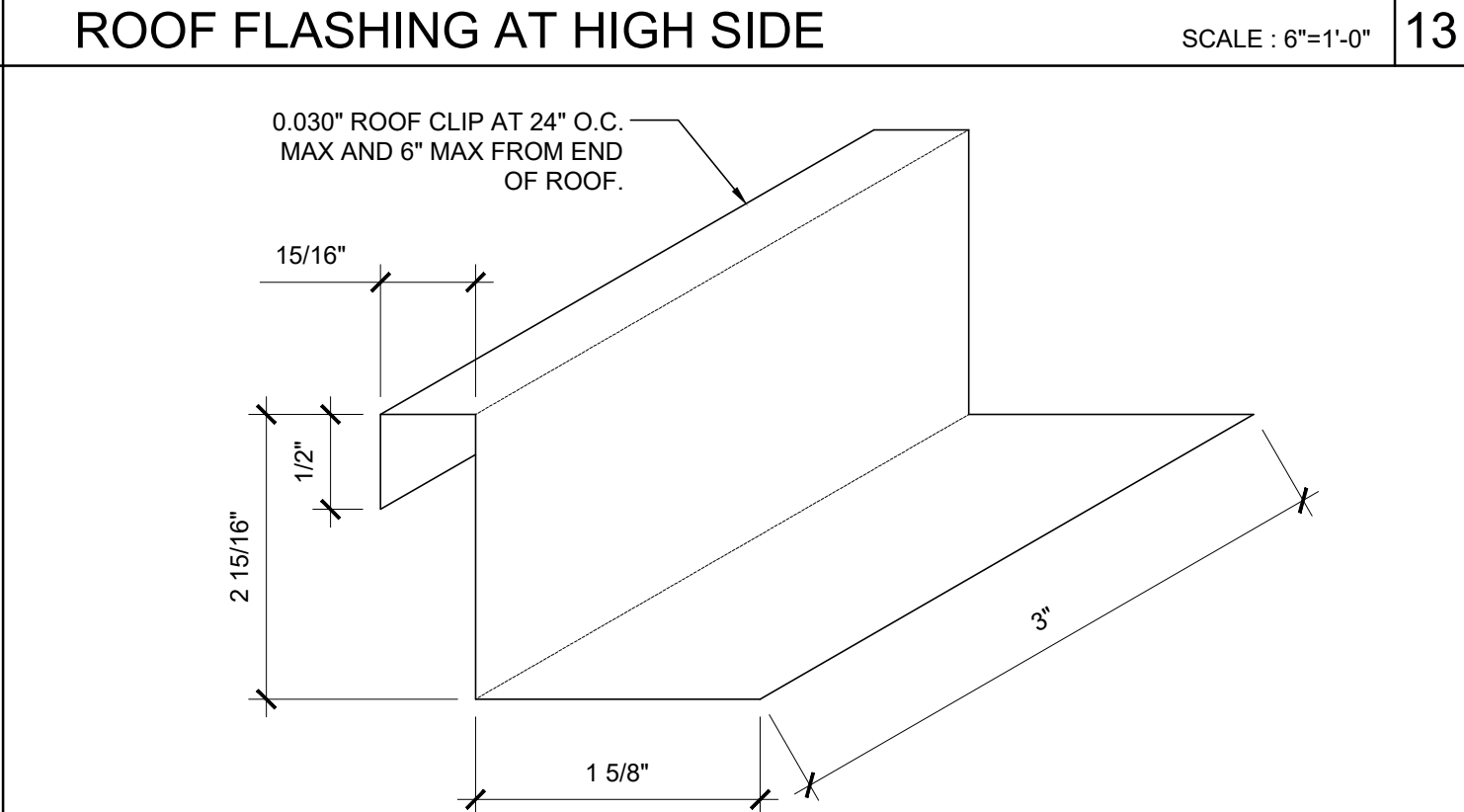
REF: A3.01, A3.02, A3.03, A3.04  
**GUTTER AT ROOF FASCIA BEAM** SCALE: 3"=1'-0" 11



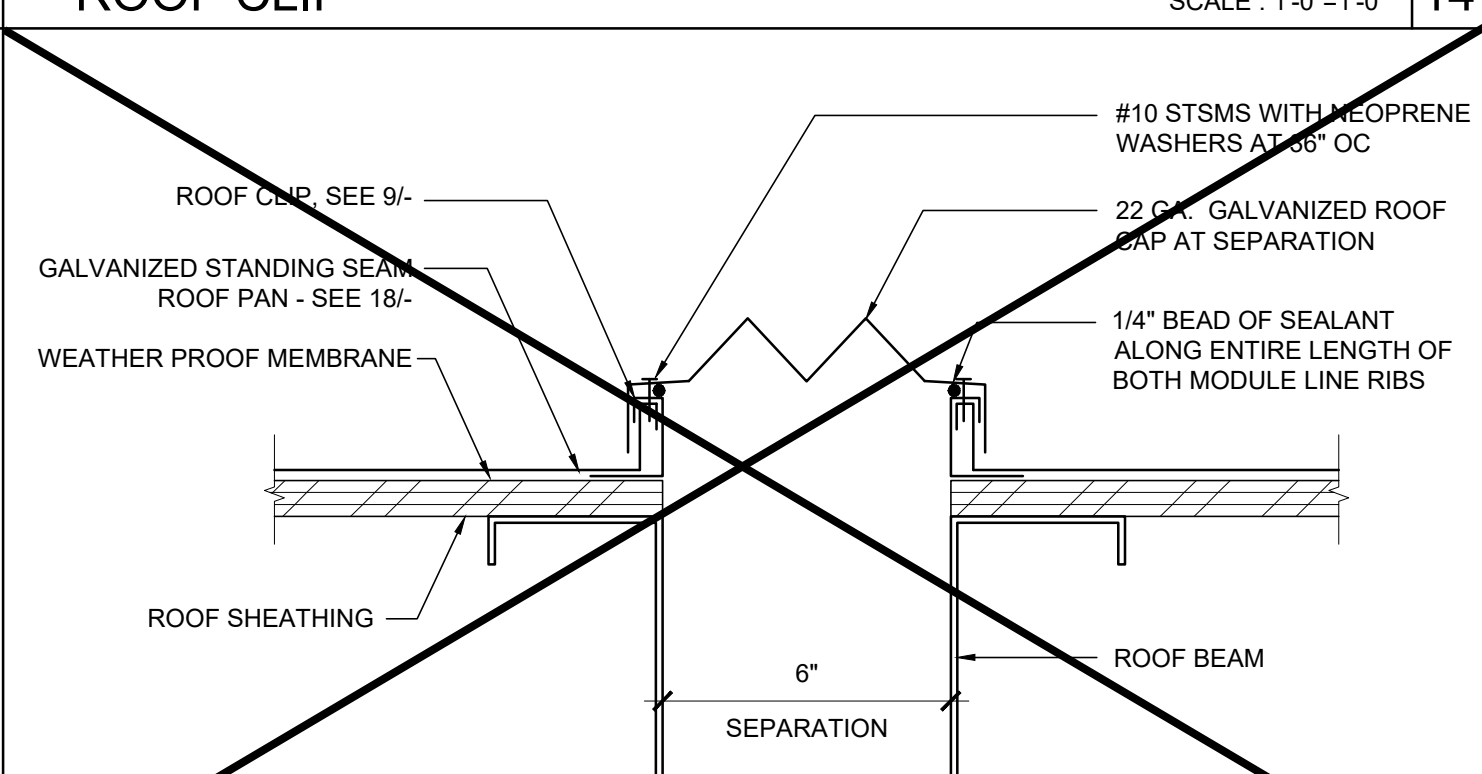
REF: A3.01, A3.02, A3.03, A3.04  
**GUTTER AT ROOF FASCIA BEAM** SCALE: 3"=1'-0" 12



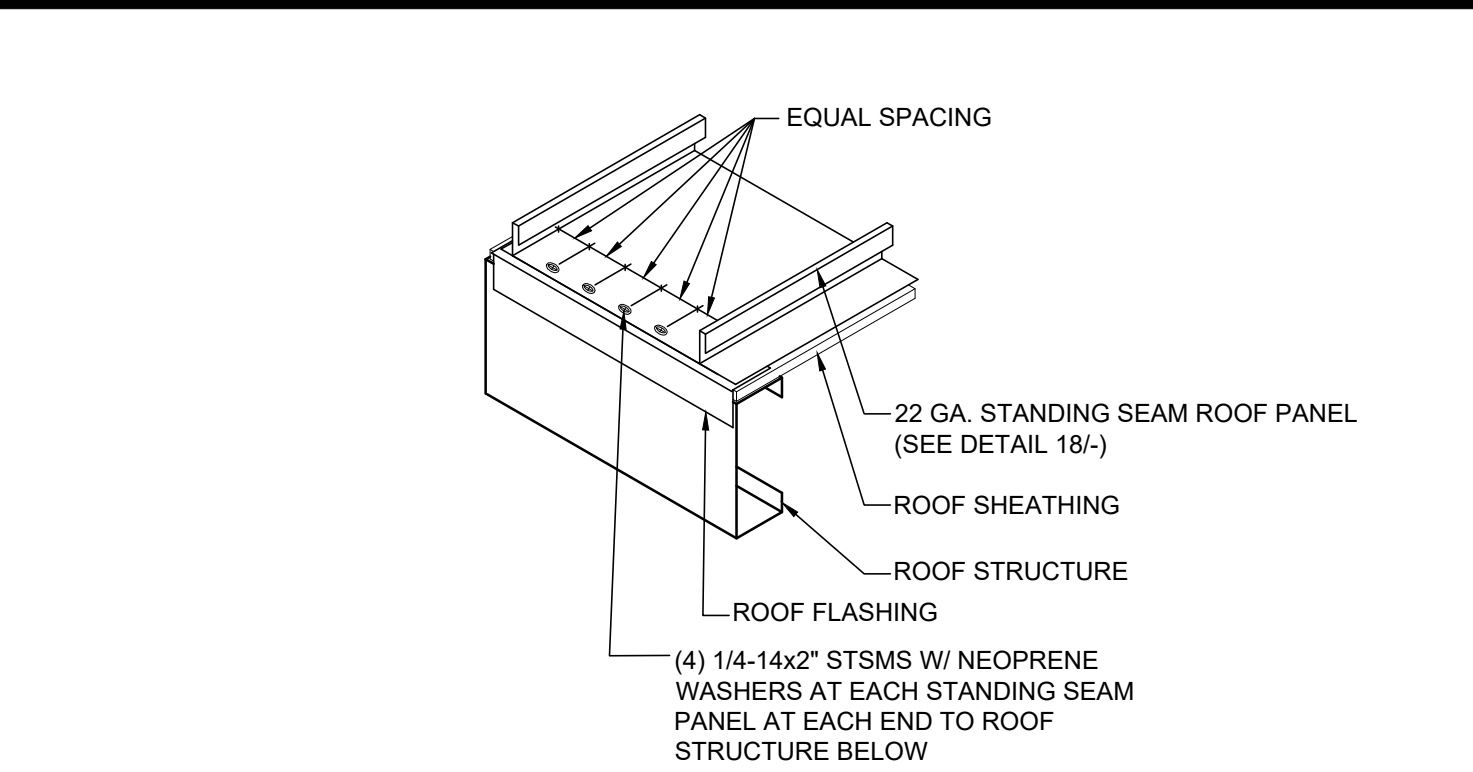
REF: A3.01, A3.02, A3.03, A3.04  
**ROOF FLASHING AT HIGH SIDE** SCALE: 6"=1'-0" 13



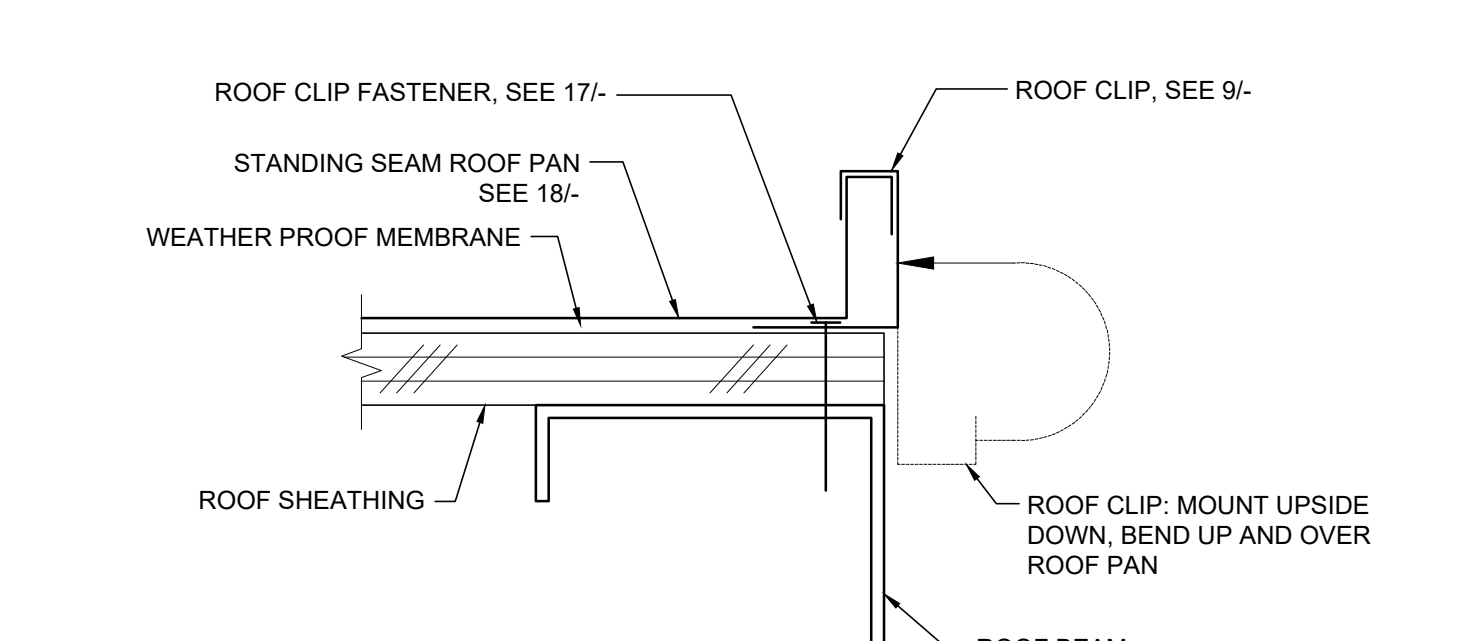
REF: A3.50  
**ROOF CLIP** SCALE: 1'-0"=1'-0" 14



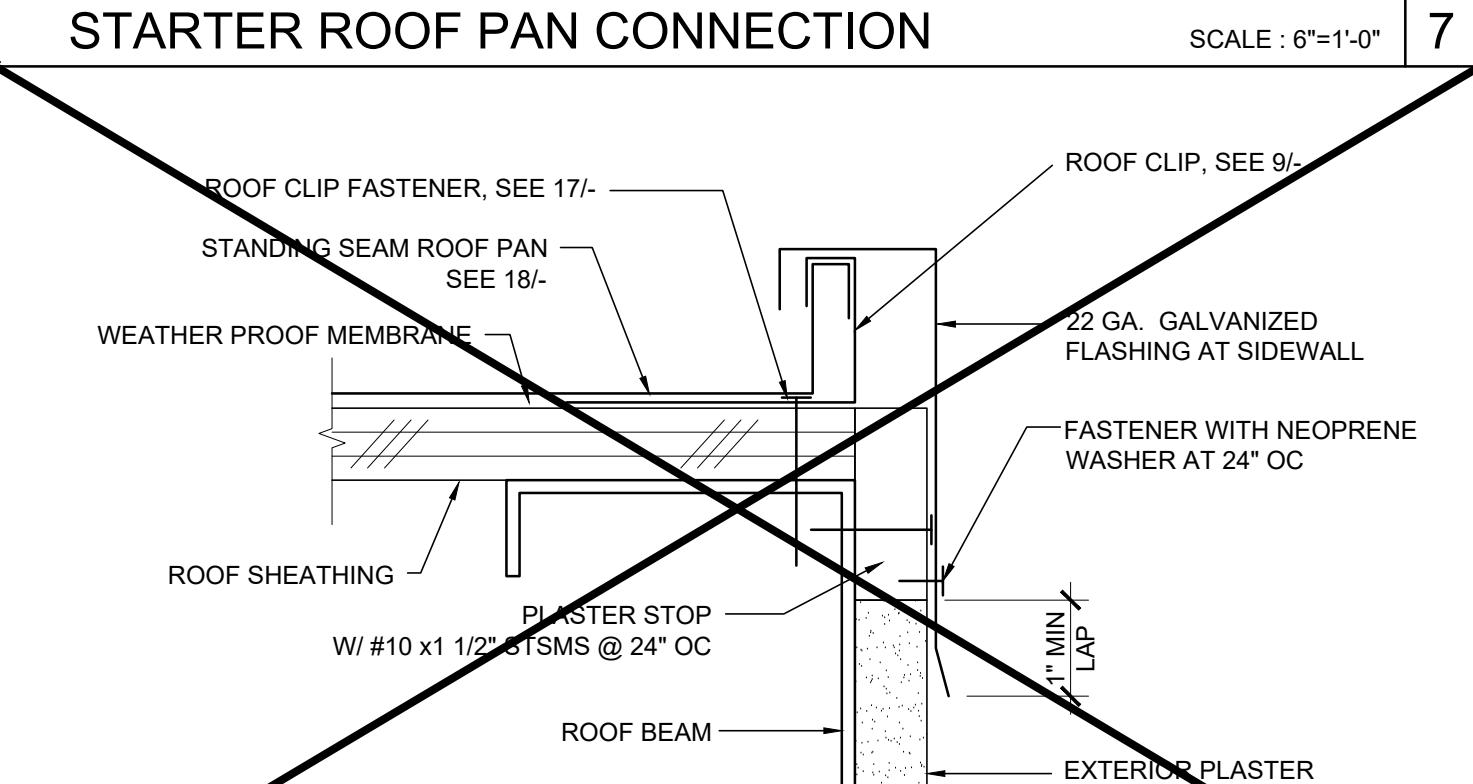
REF: A3.03, A3.04  
**ROOF CAP AT SEPARATION** SCALE: 3"=1'-0" 15



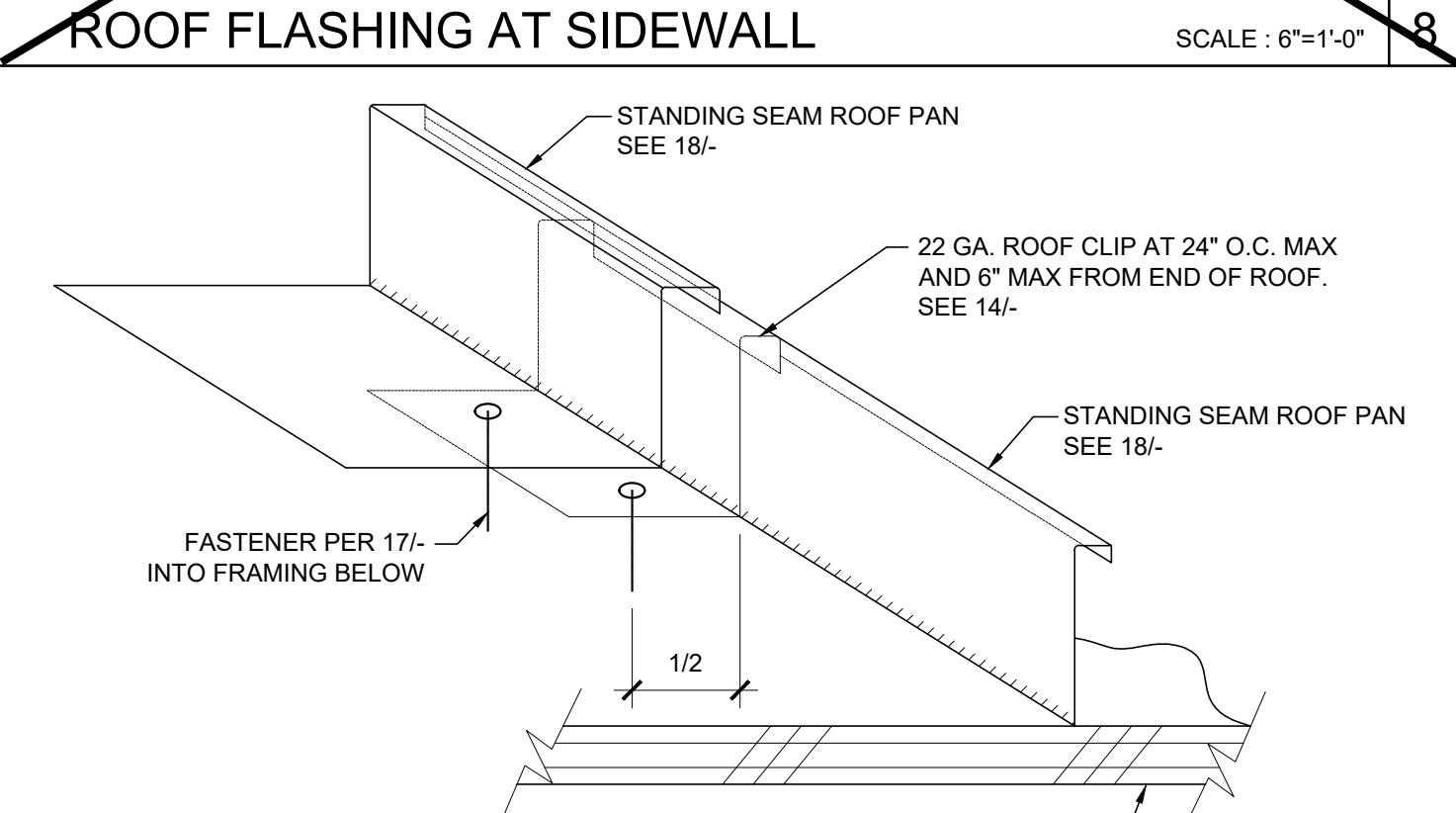
REF: A3.50  
**STANDING SEAM PANEL AT ENDS** SCALE: NTS 6



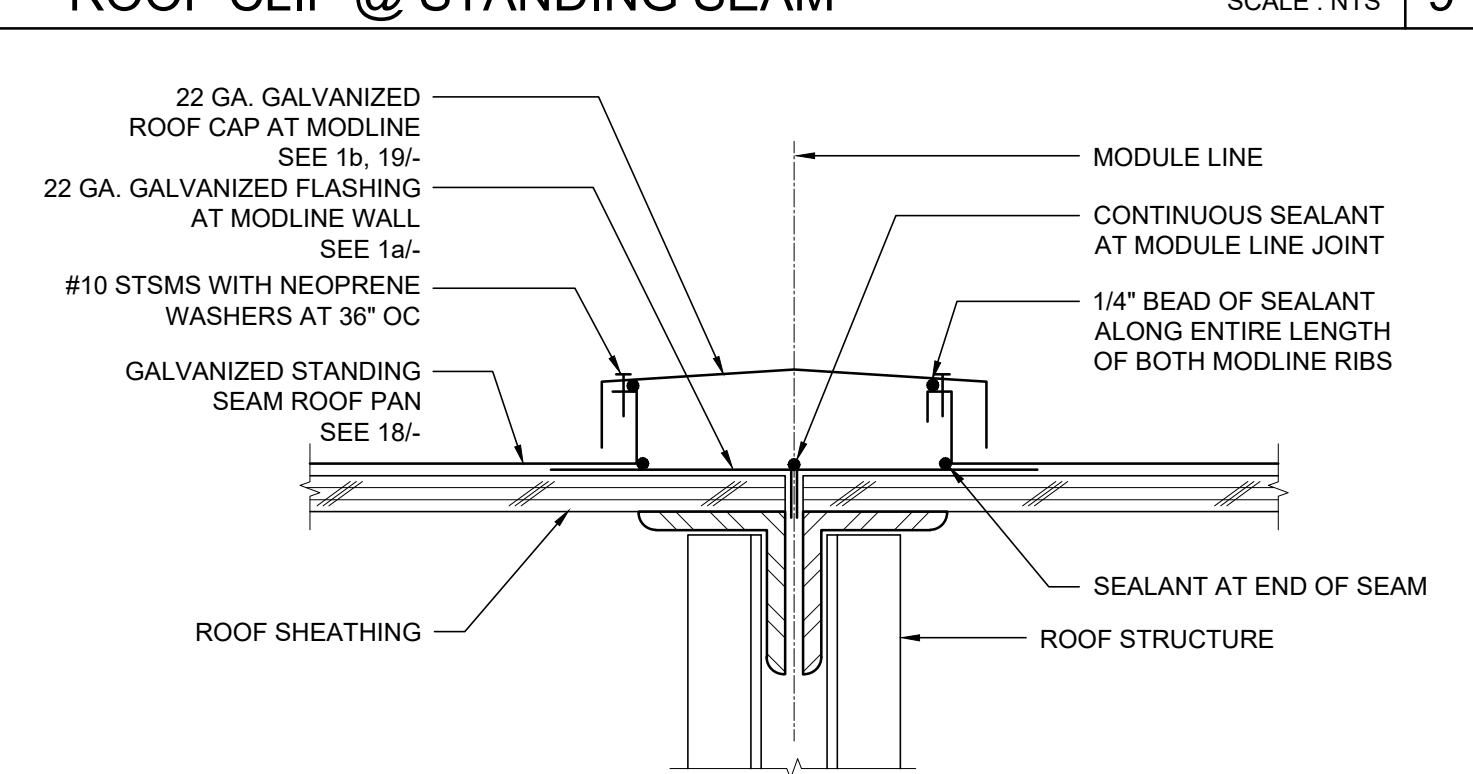
REF: A3.01, A3.02, A3.03, A3.04  
**STARTER ROOF PAN CONNECTION** SCALE: 6"=1'-0" 7



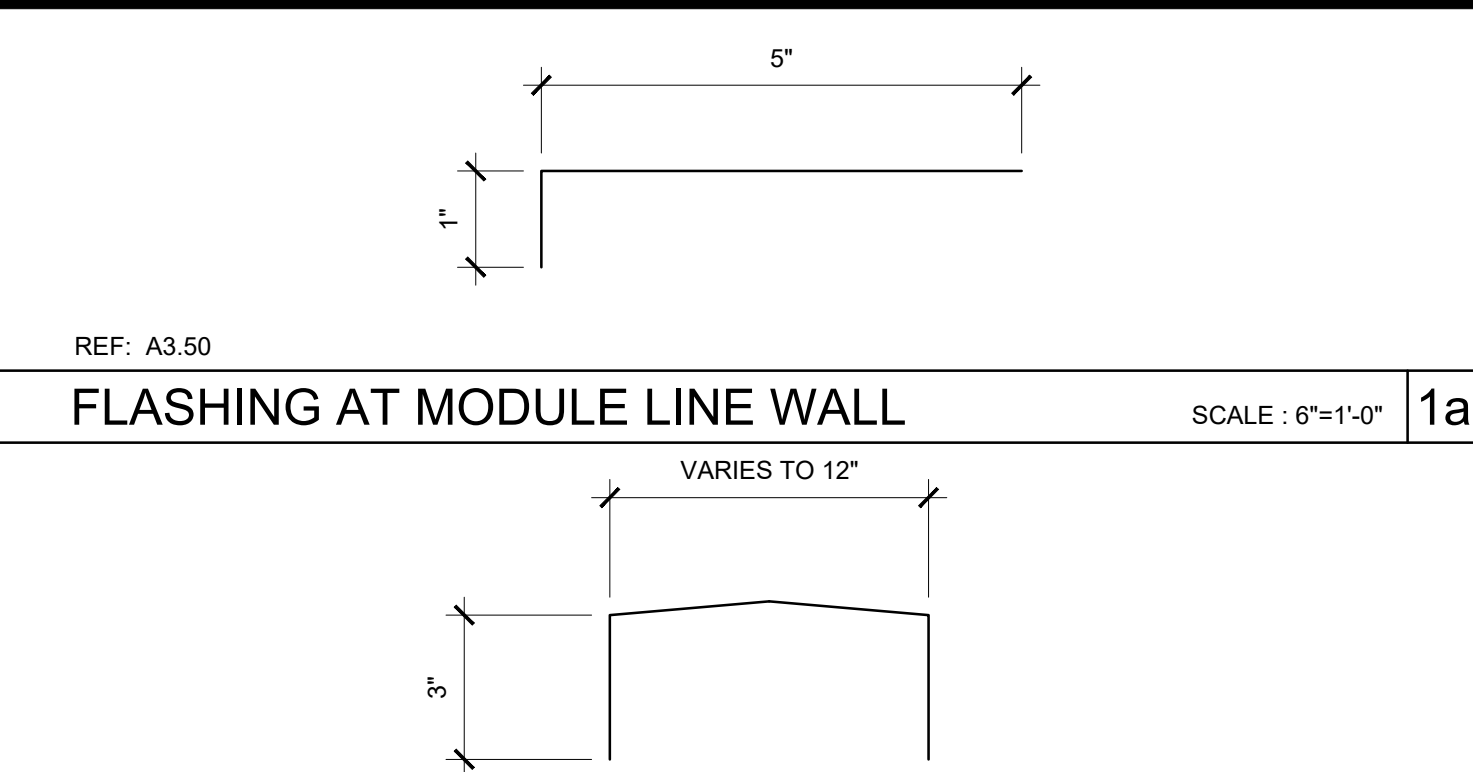
REF: A3.01, A3.02, A3.03, A3.04  
**ROOF FLASHING AT SIDEWALL** SCALE: 6"=1'-0" 8



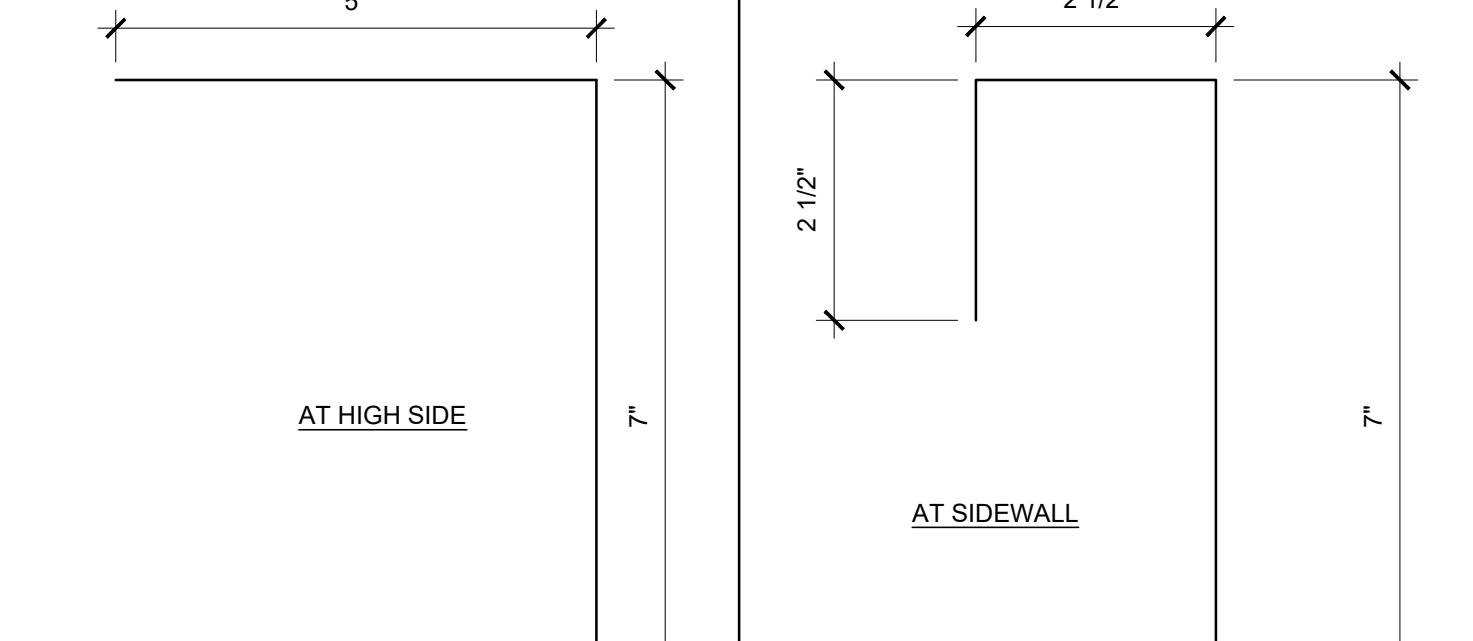
REF: A3.01, A3.02, A3.03, A3.04  
**ROOF FLASHING AT HIGH SIDE** SCALE: 6"=1'-0" 4



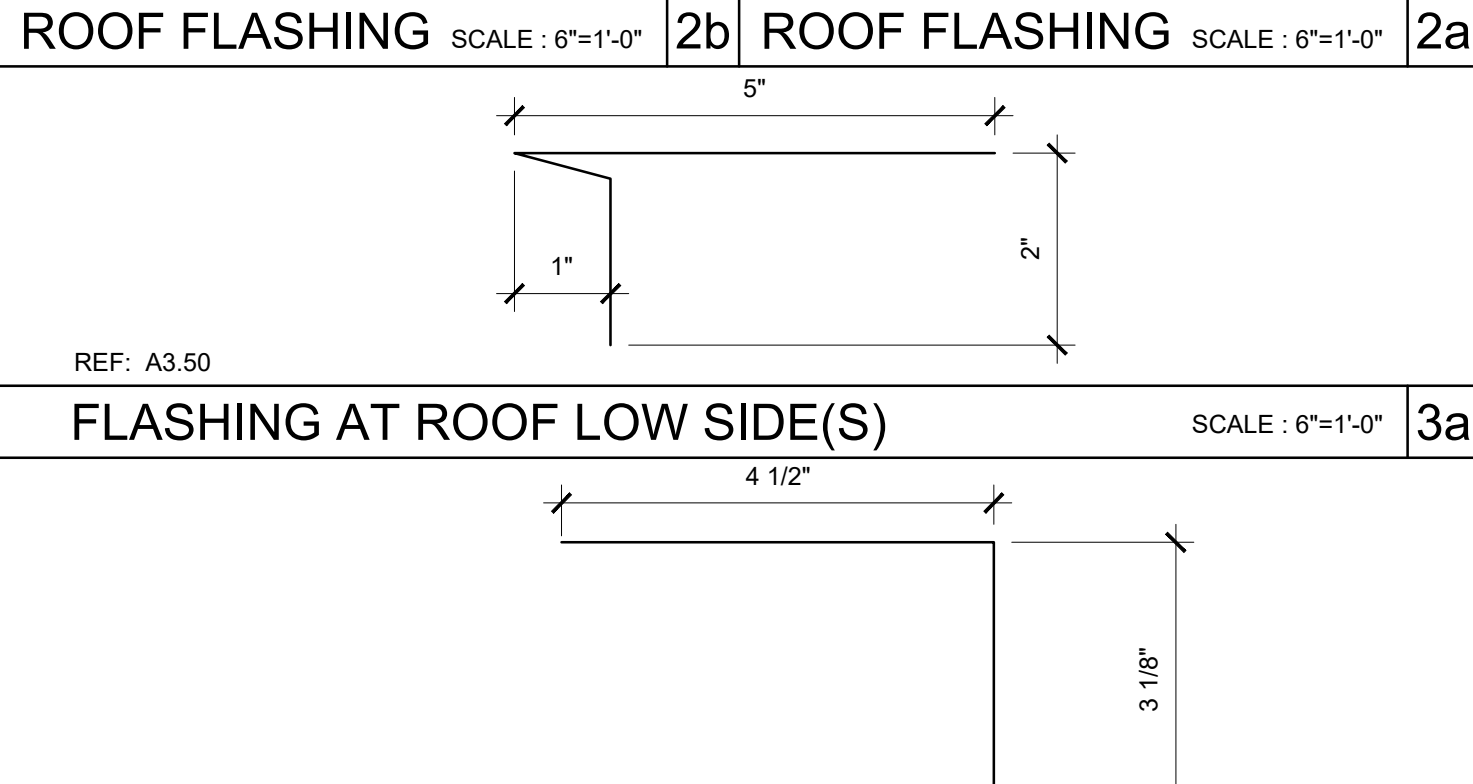
REF: A3.01, A3.02, A3.03, A3.04  
**MODULE LINE ROOF CAP** SCALE: 3"=1'-0" 10



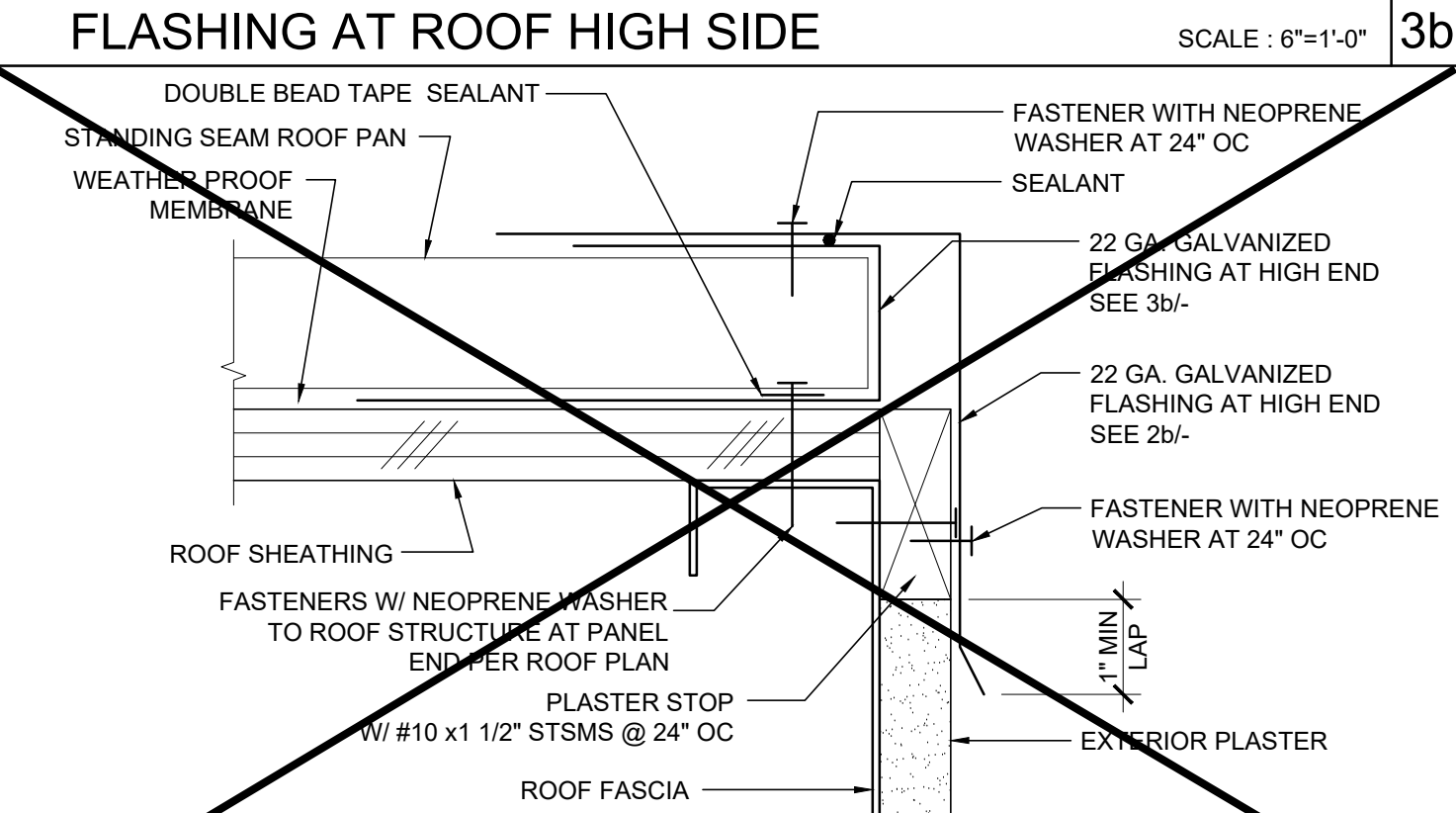
REF: A3.50  
**FLASHING AT MODULE LINE WALL** SCALE: 6"=1'-0" 1a



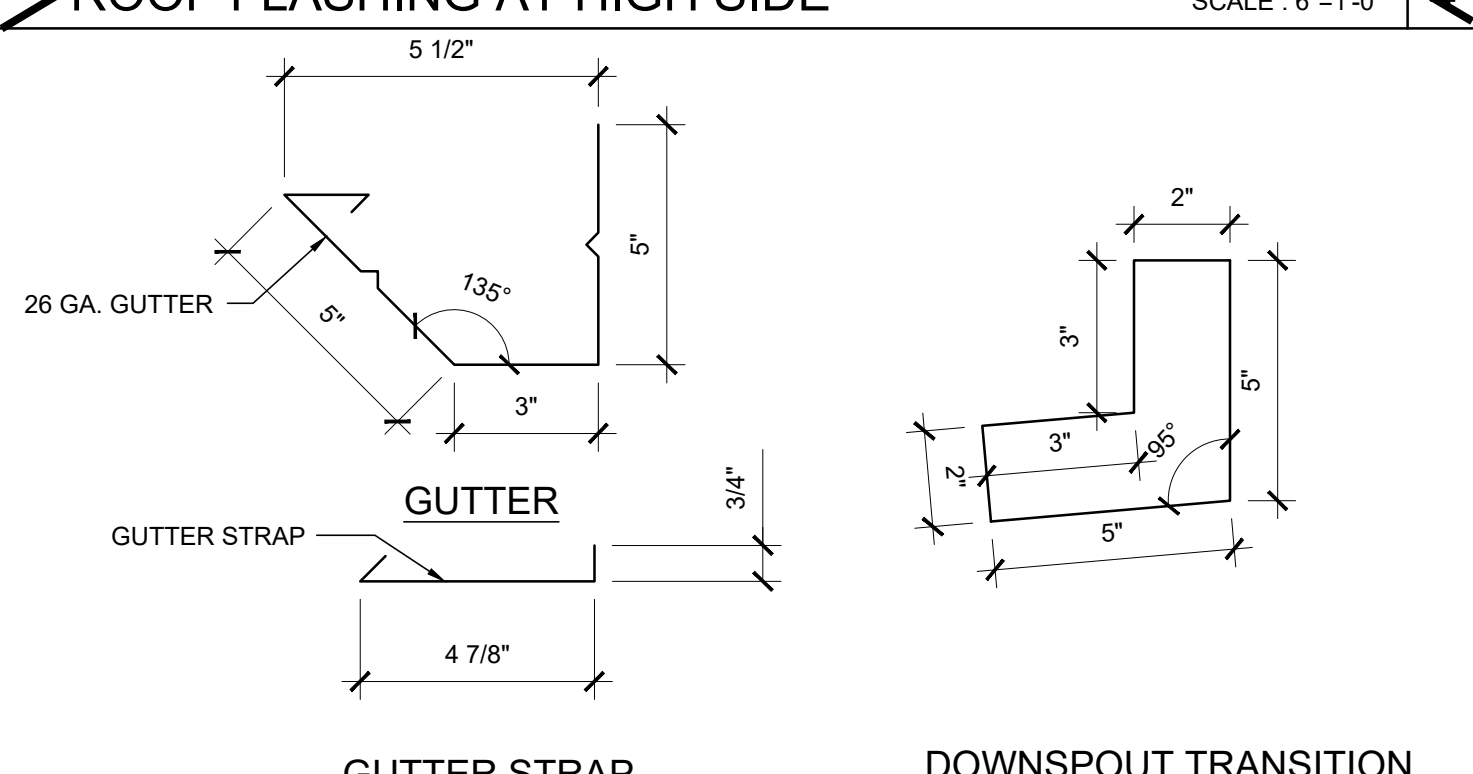
REF: A3.50  
**0.018" ROOF CAP AT MODULE LINE** SCALE: 6"=1'-0" 1b



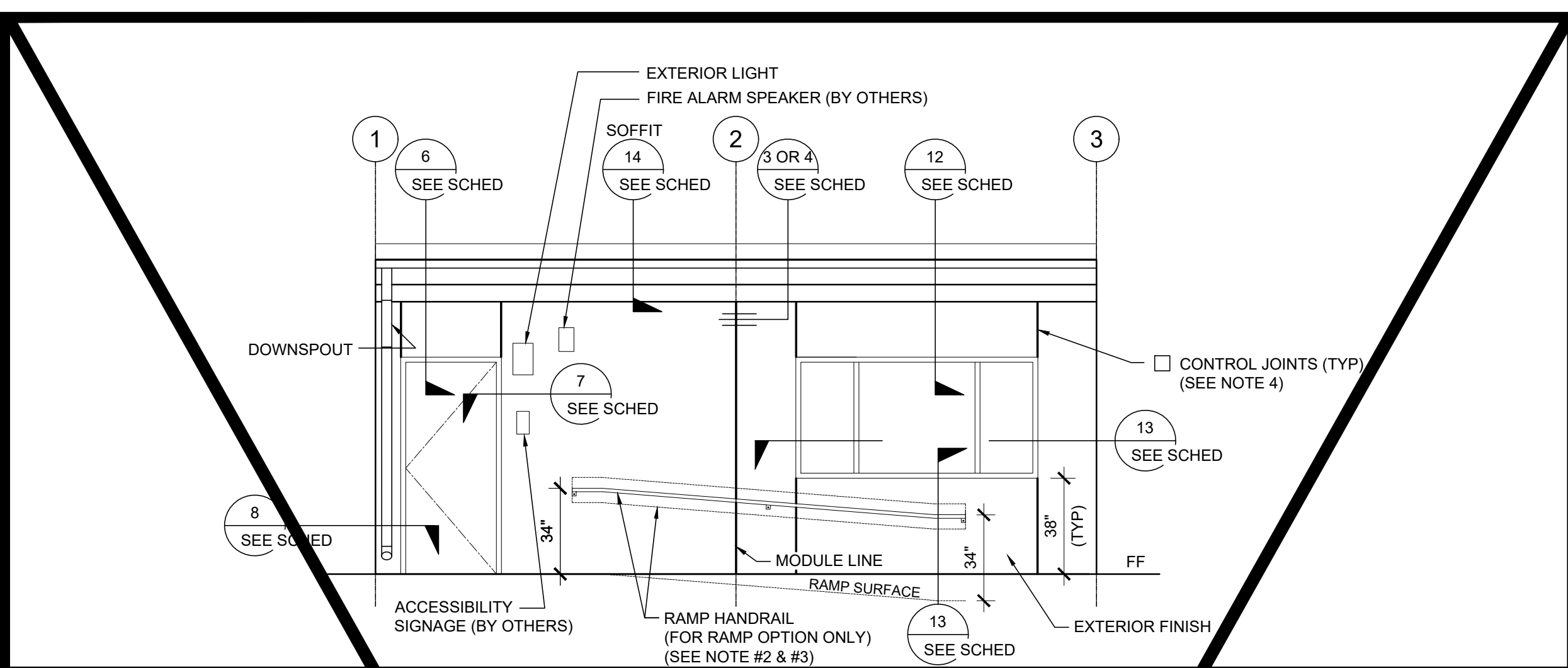
REF: A3.50  
**FLASHING AT ROOF LOW SIDE(S)** SCALE: 6"=1'-0" 3a



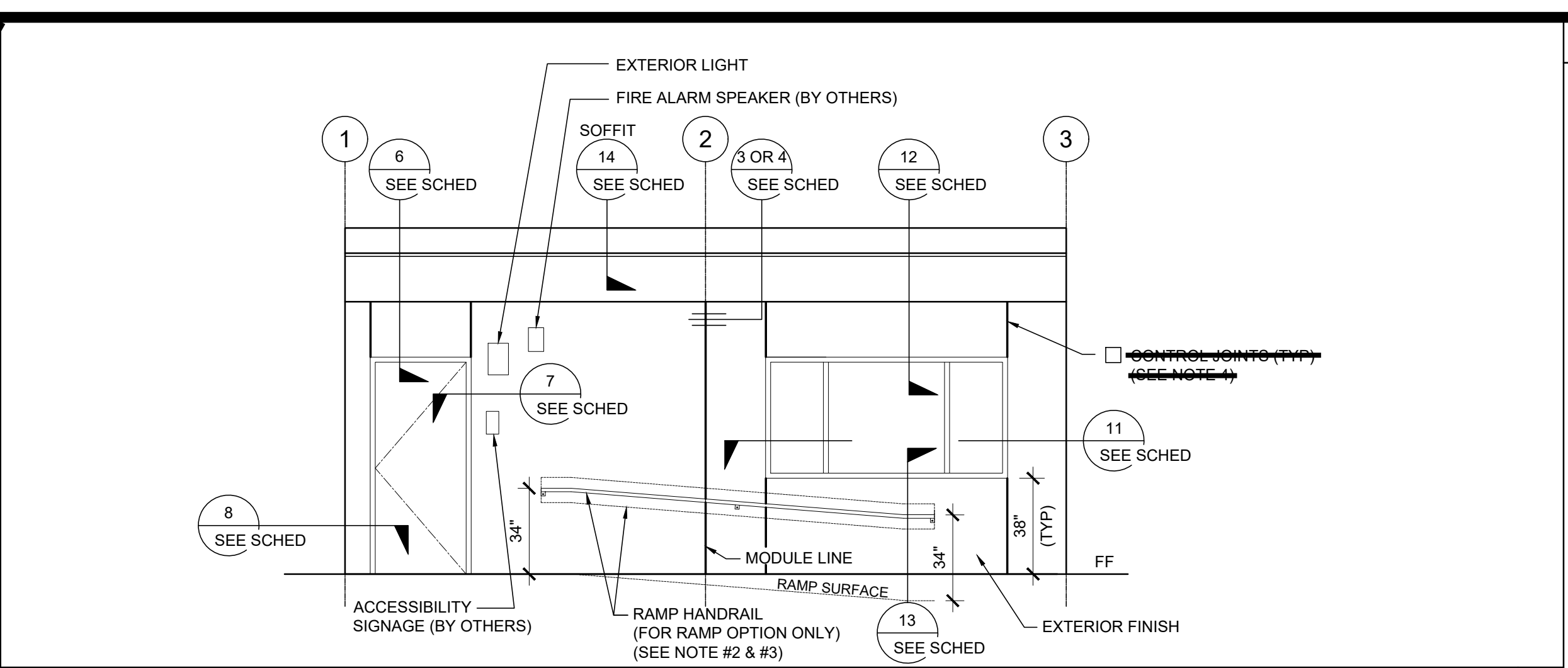
REF: A3.50  
**FLASHING AT ROOF HIGH SIDE** SCALE: 6"=1'-0" 3b



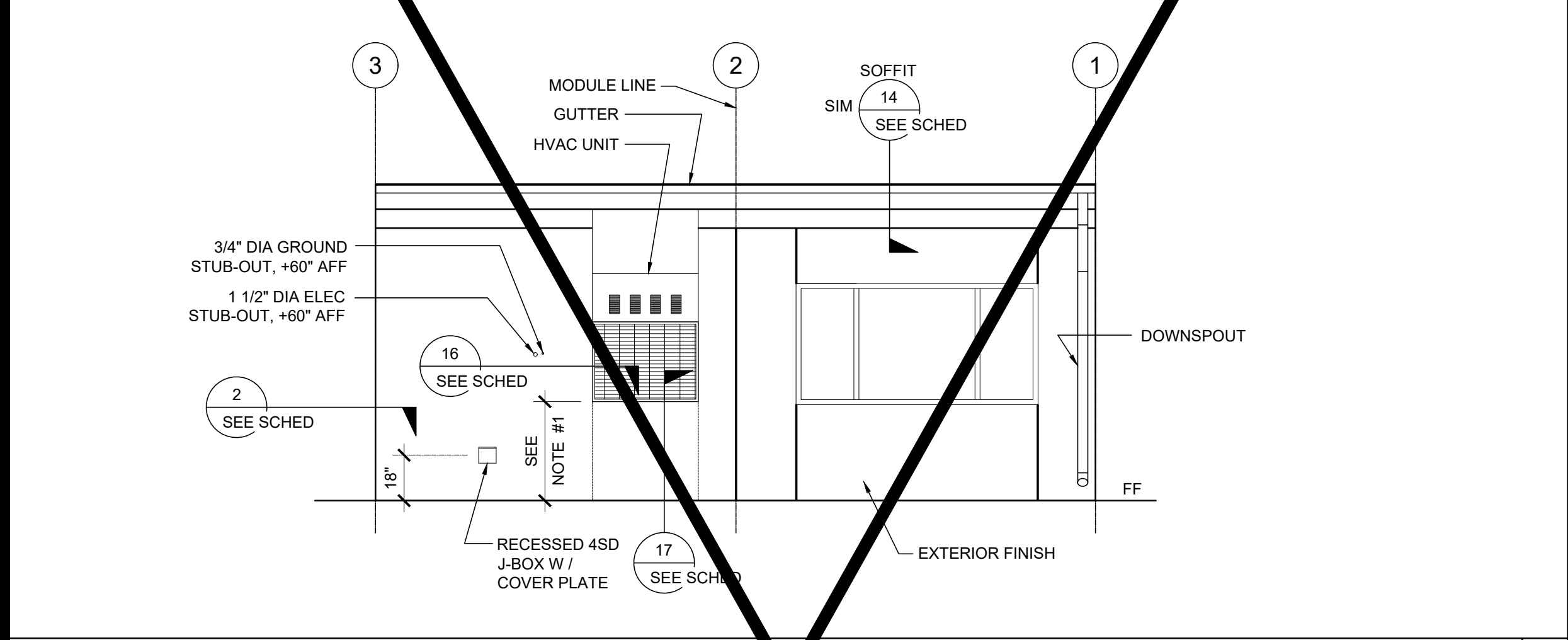
REF: A3.50  
**GUTTER AND STRAP & DOWNSPOUT** SCALE: 3"=1'-0" 5



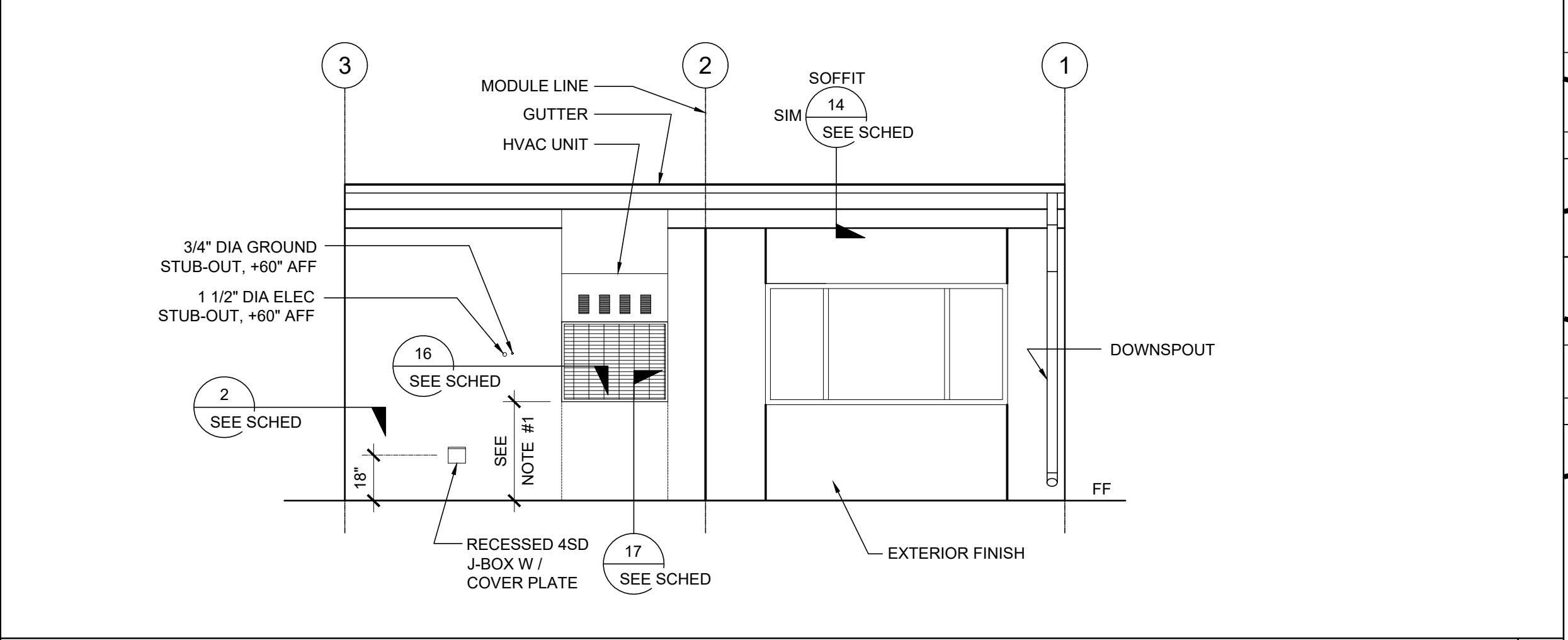
EXTERIOR ELEVATIONS - FRONT - DUAL SLOPE SCALE: 1/4" = 1'-0" 5



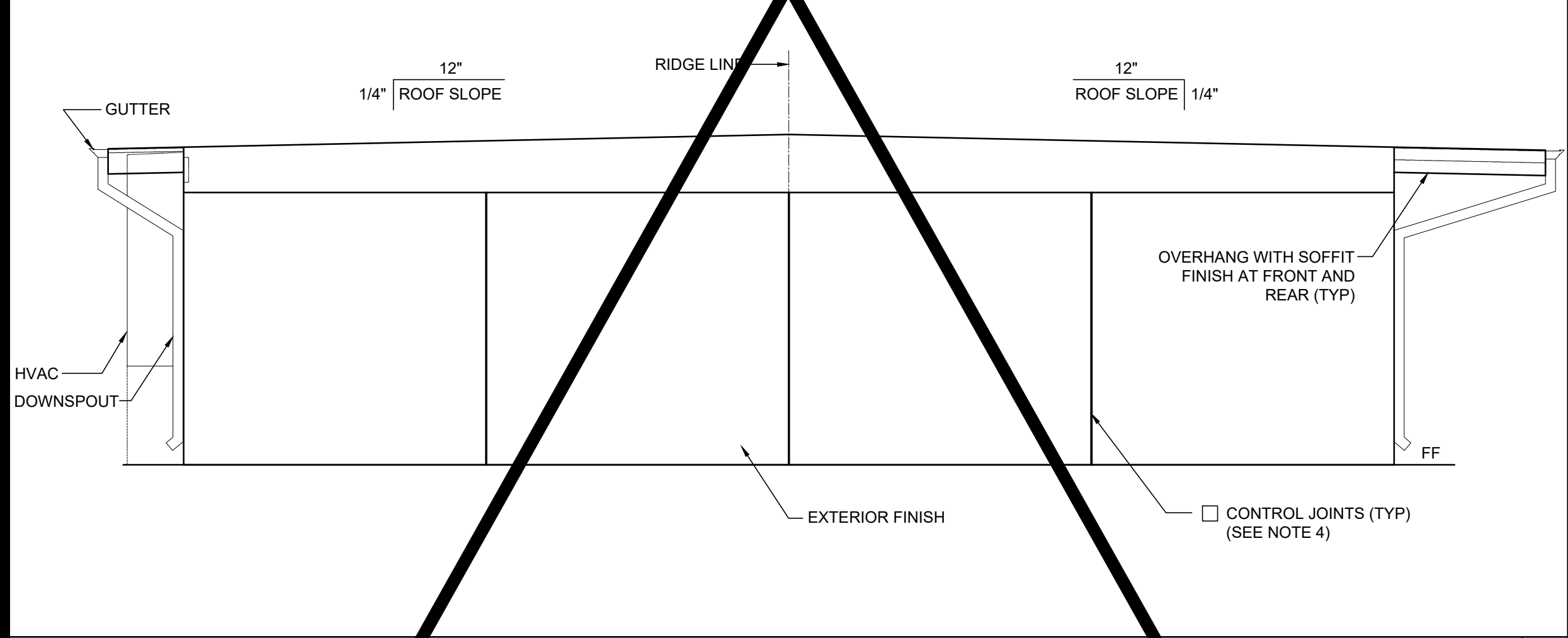
EXTERIOR ELEVATIONS - FRONT - MONO SLOPE SCALE: 1/4" = 1'-0" 1



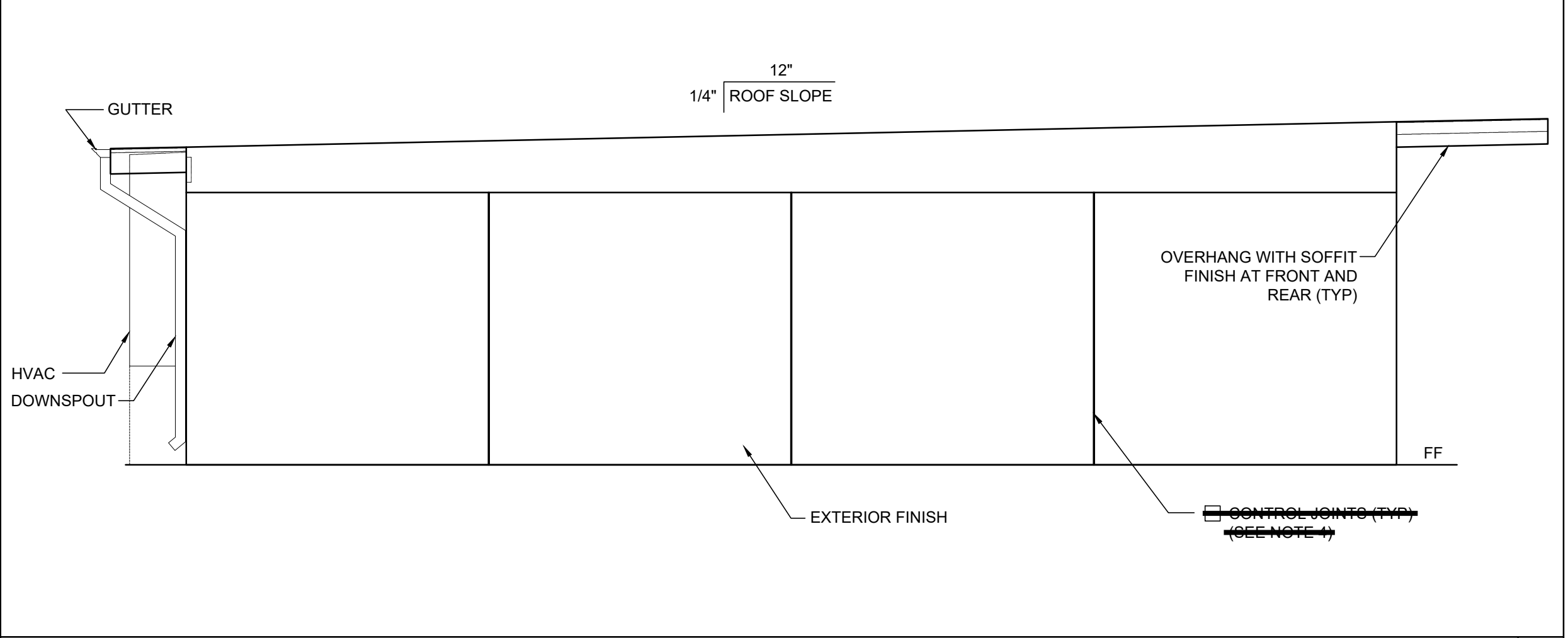
EXTERIOR ELEVATIONS - REAR - DUAL SLOPE SCALE: 1/4" = 1'-0" 6



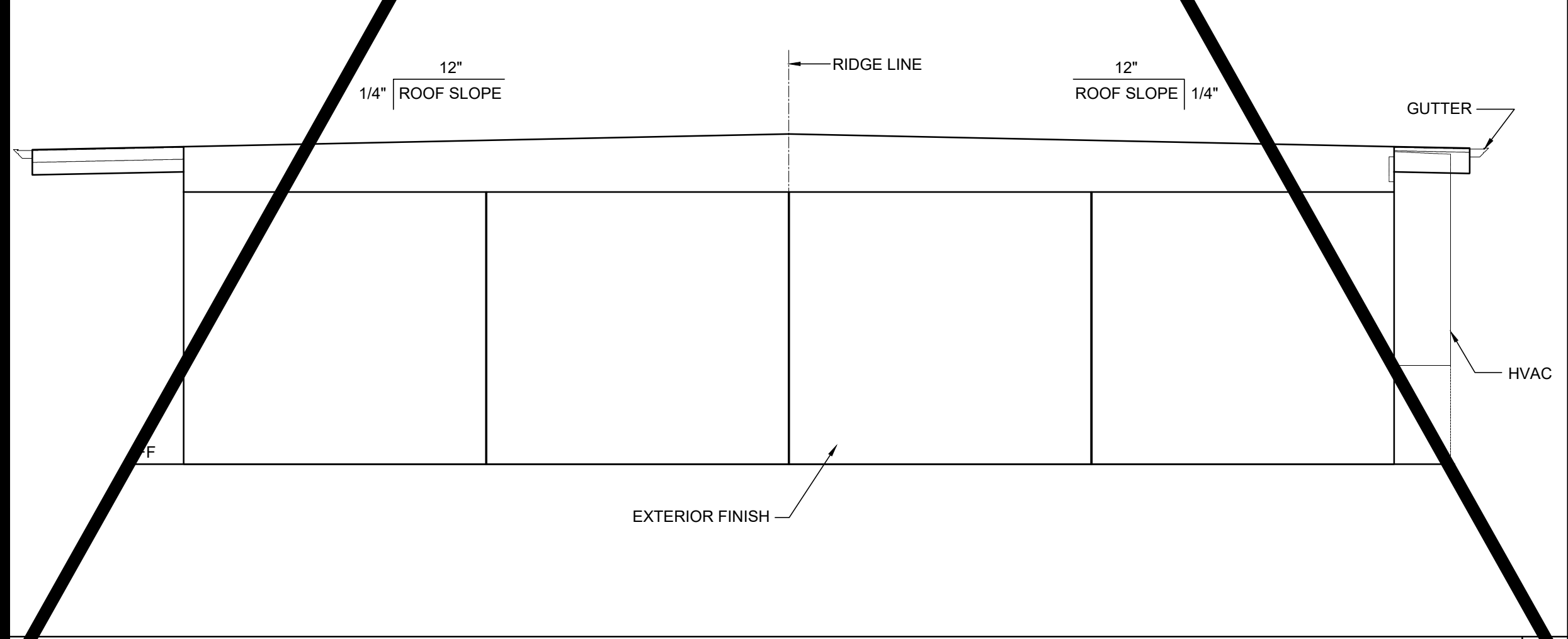
EXTERIOR ELEVATIONS - REAR - MONO SLOPE SCALE: 1/4" = 1'-0" 2



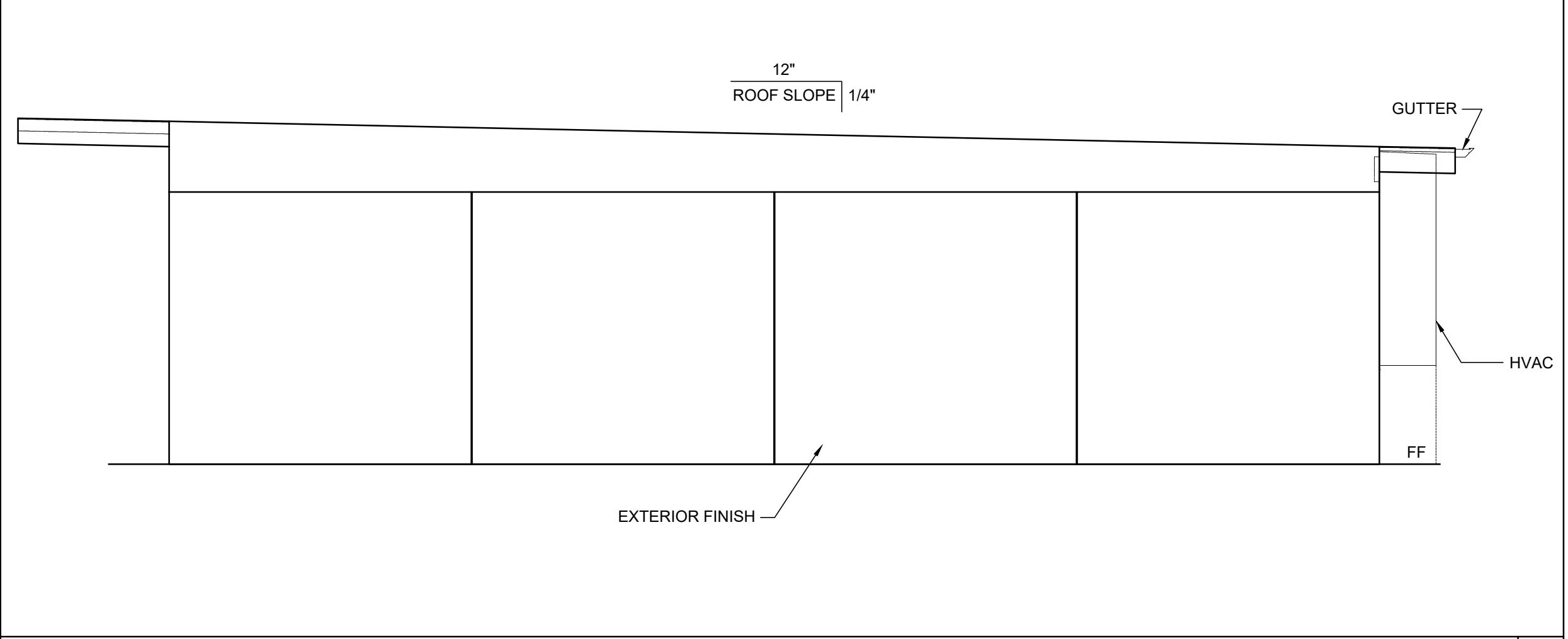
EXTERIOR ELEVATIONS - LEFT - DUAL SLOPE SCALE: 1/4" = 1'-0" 7



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 PEDESTRIAN 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: 02-122155 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  
SOMERSET M.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  
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-4.01**

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	
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  
DIV. OF THE STATE ARCHITECT  
APP: 02-122155 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

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

SHEET TITLE:  
**CROSS SECTION  
MONO SLOPE**

REVISIONS

1	
2	
3	
4	
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PRE-CHECK (PC) DOCUMENT  
CODE: 2022 CBC  
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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

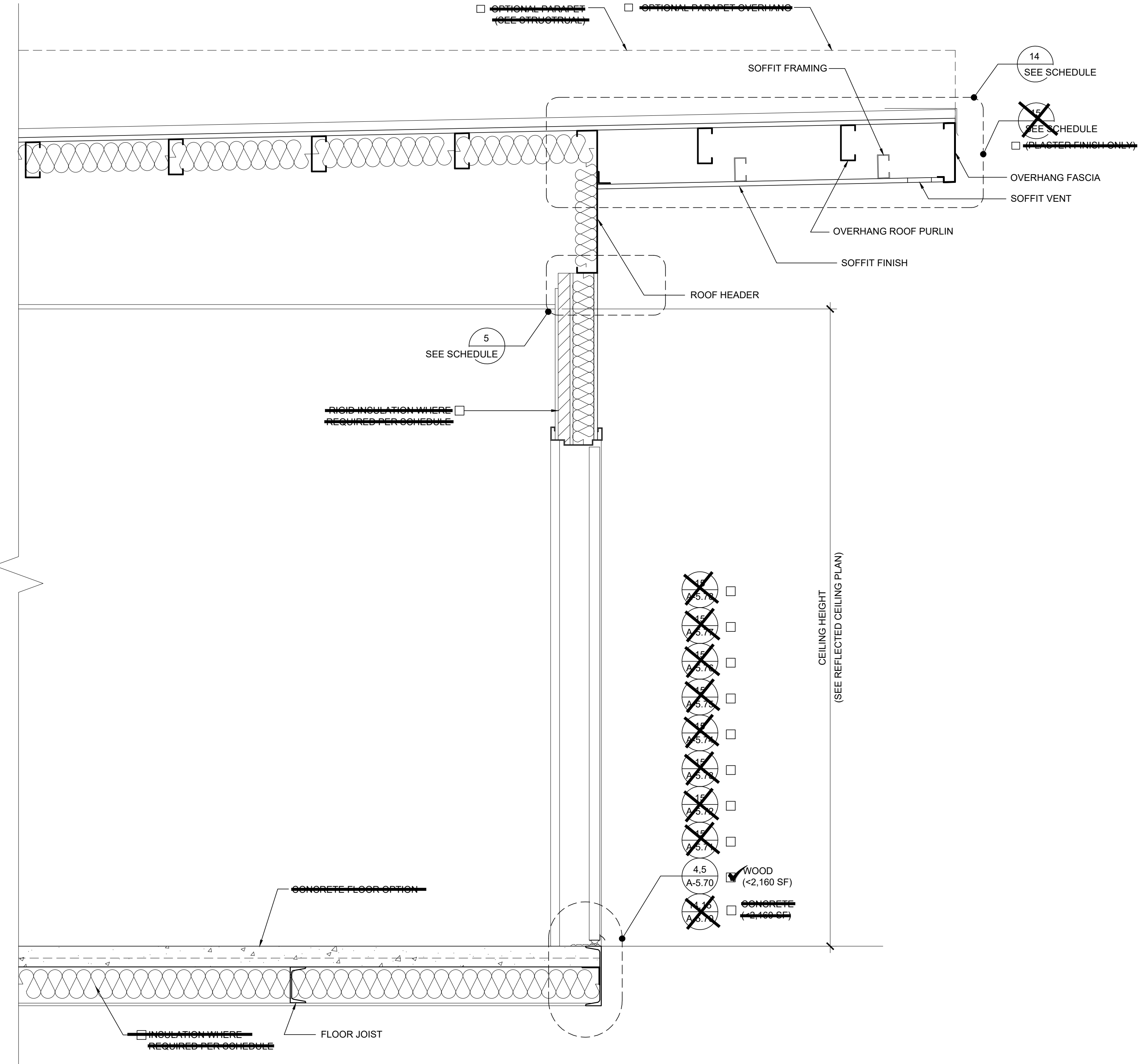
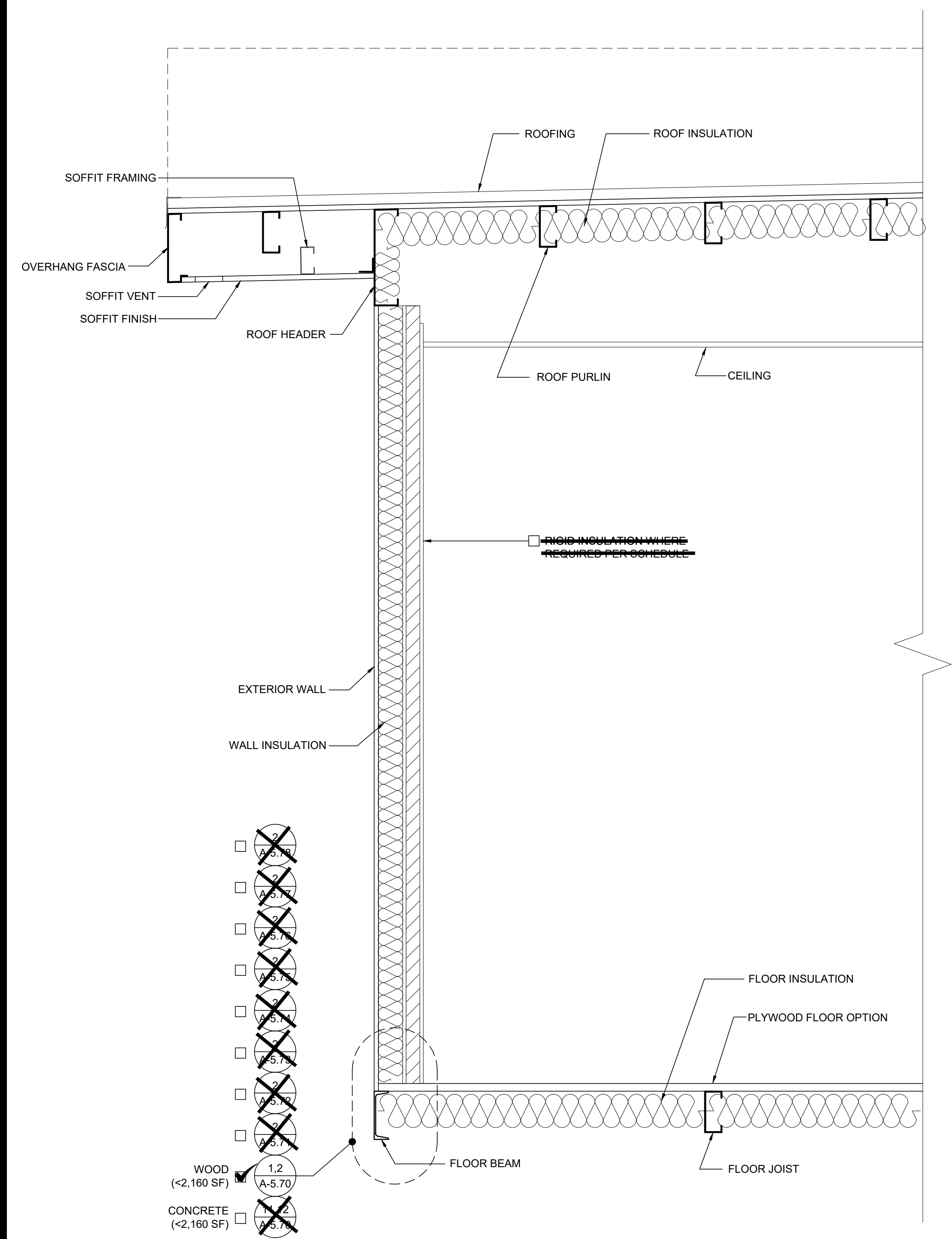
MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES  
24' x 40' PC

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

**A-5.01**



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	
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:**  
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IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP: 02-122155 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  
 SOMERSET M.S.  
 (2) 24' x 40'  
 CLASSROOM BUILDINGS**

SHEET TITLE:  
**CROSS SECTION**

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

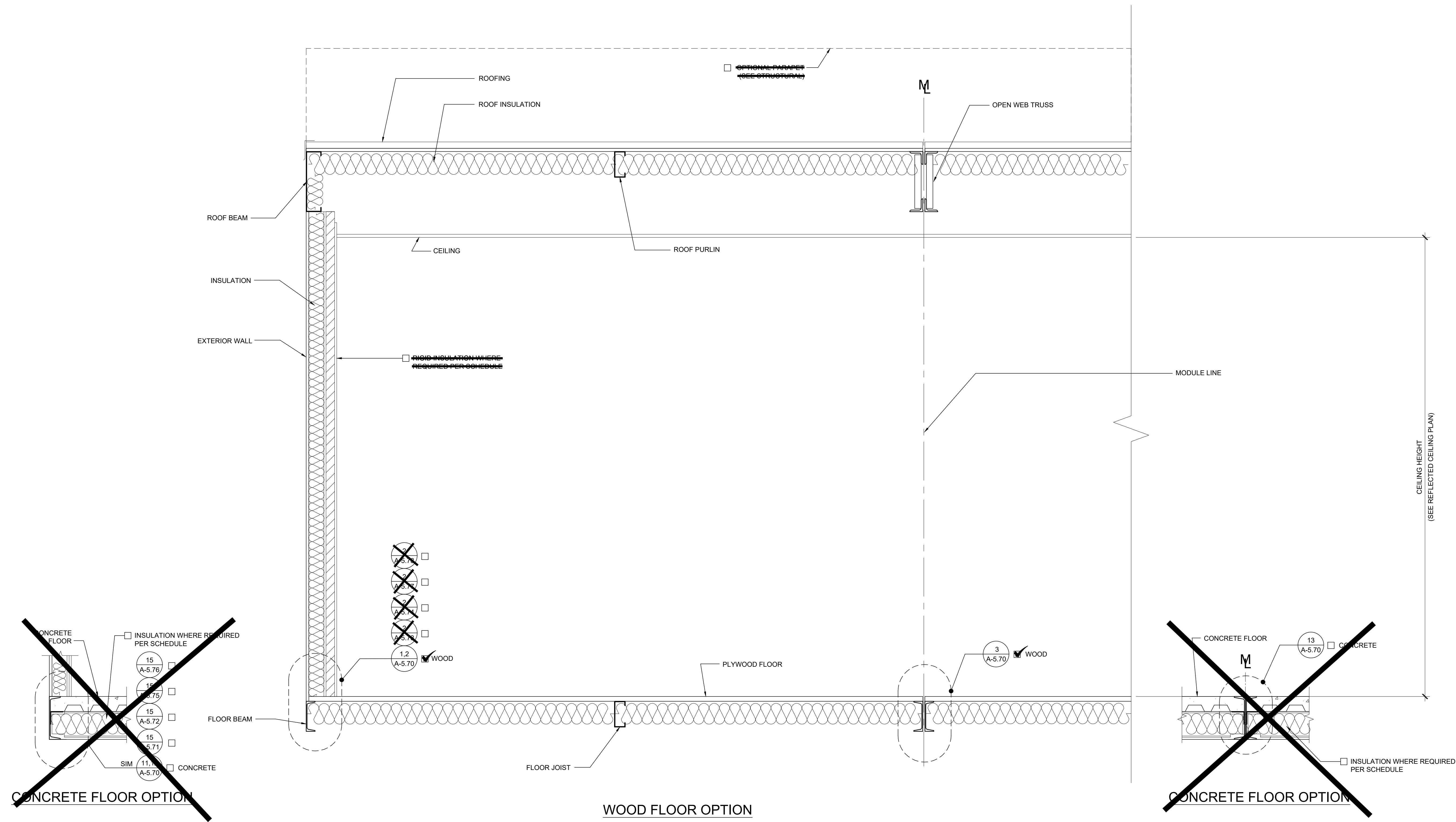
MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES  
 24' x 40' PC

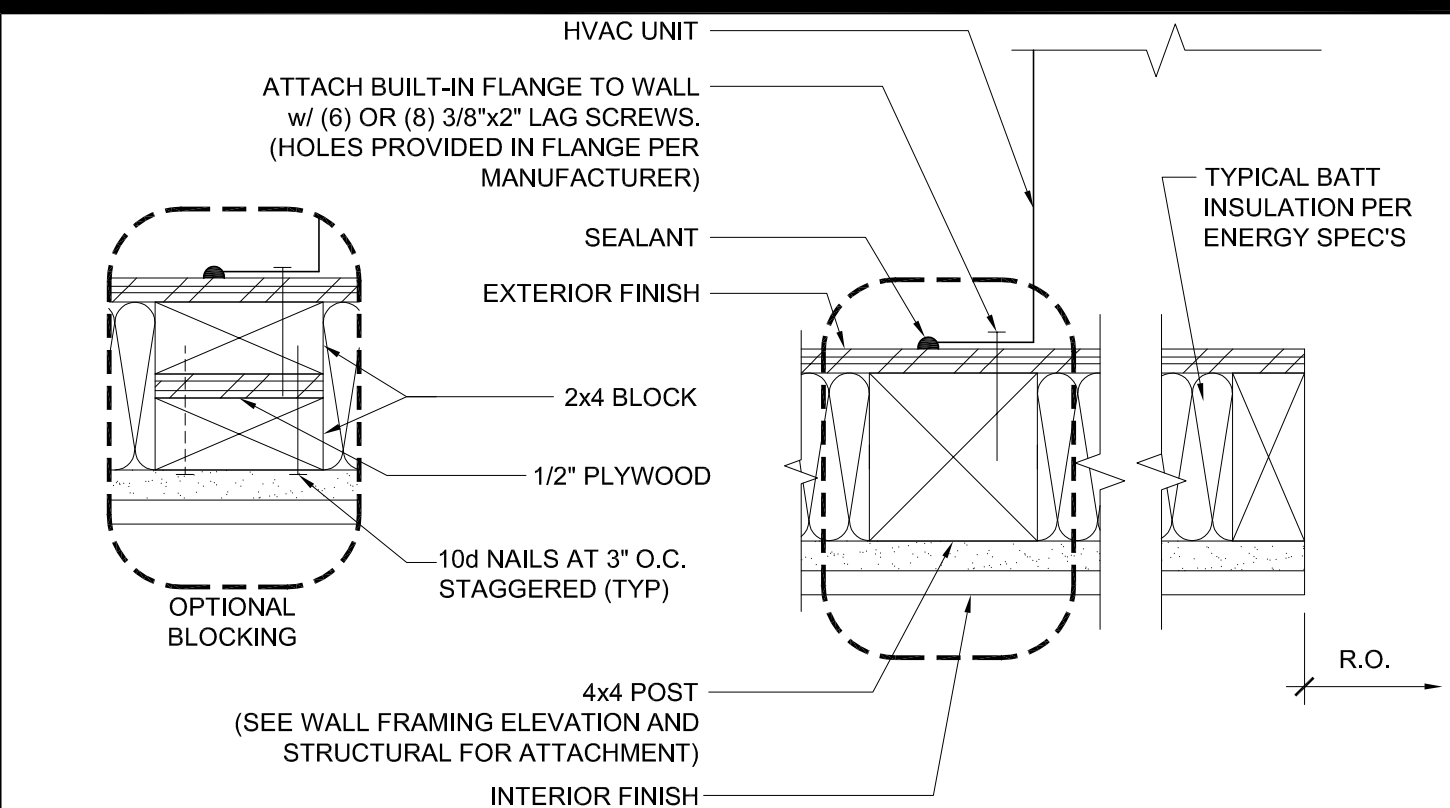
PROJECT NO:  
 DRAWN BY:  
 SCALE: AS NOTED  
 DATE: 02-27-2023

P.C. SHEET NUMBER  
**A-5.05**

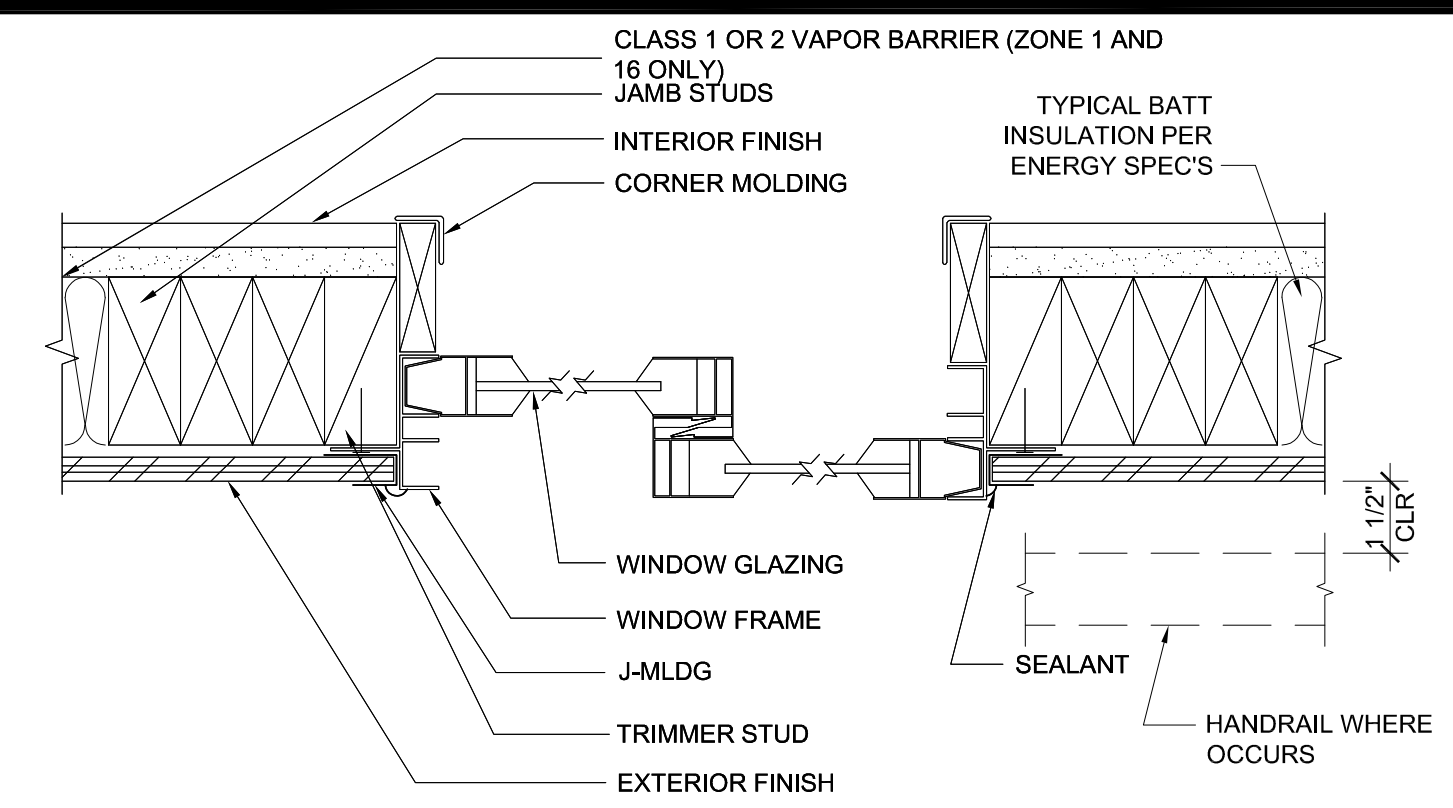


BUILDING SECTION

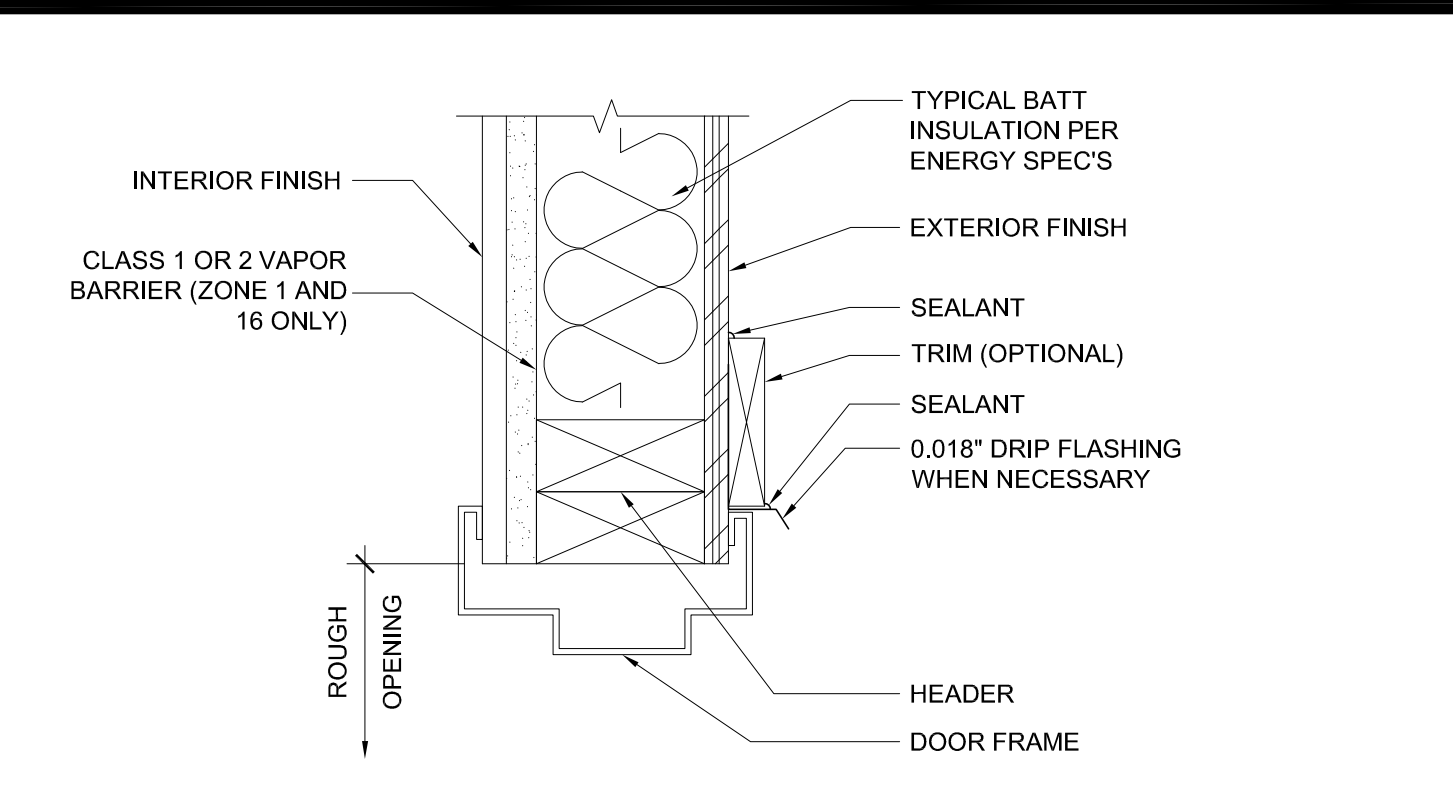
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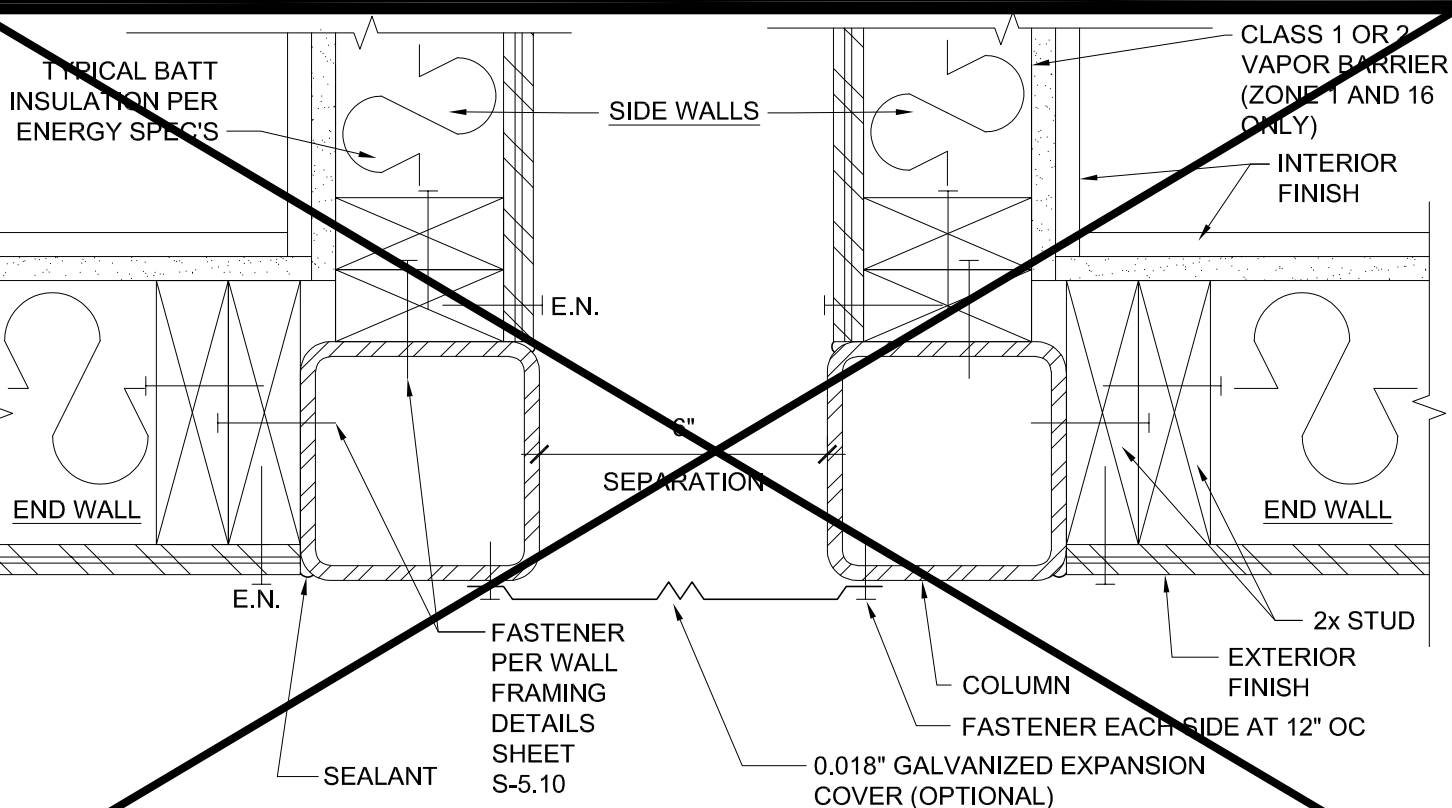
HVAC MOUNT AT JAMBS SCALE: 3"=1'-0" 16



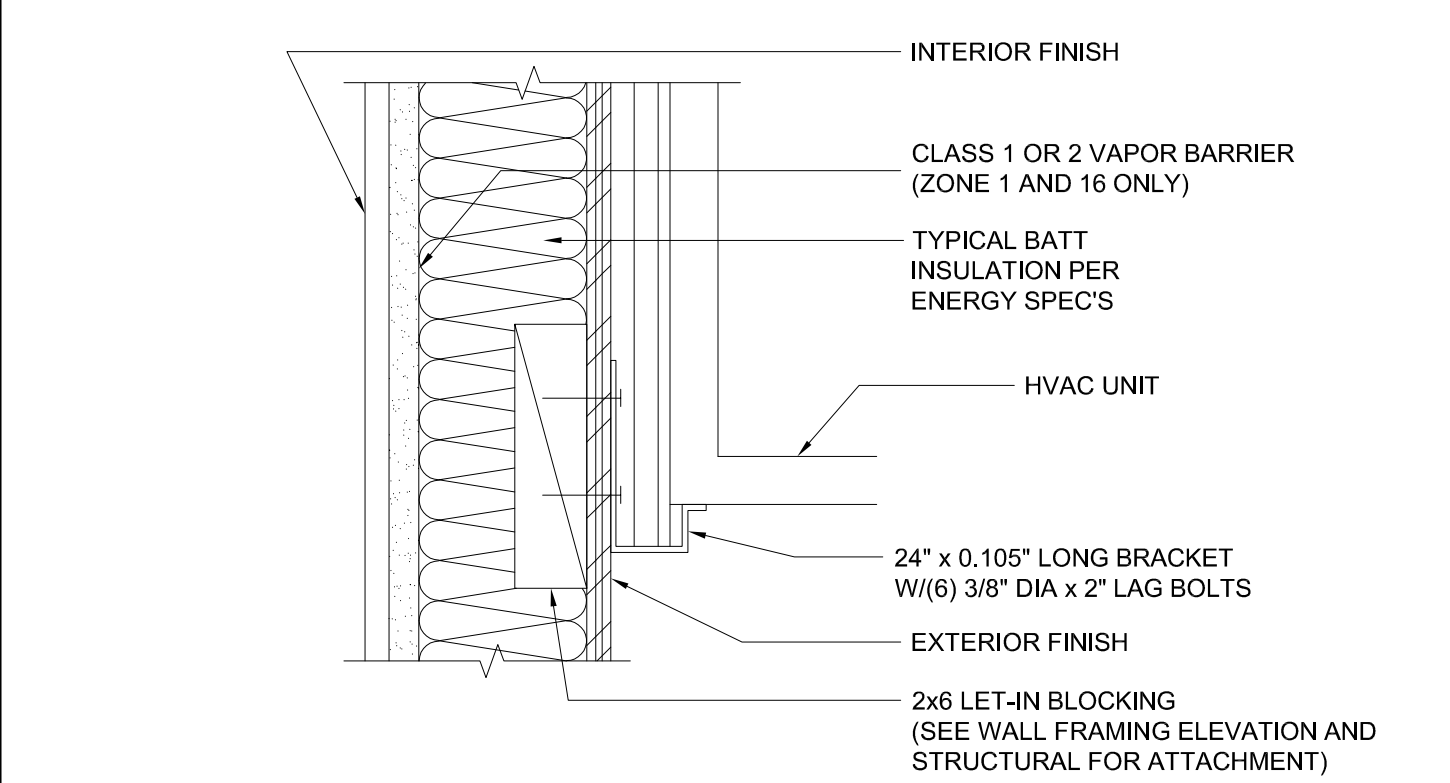
WINDOW SECTION AT JAMBS SCALE: 3"=1'-0" 11



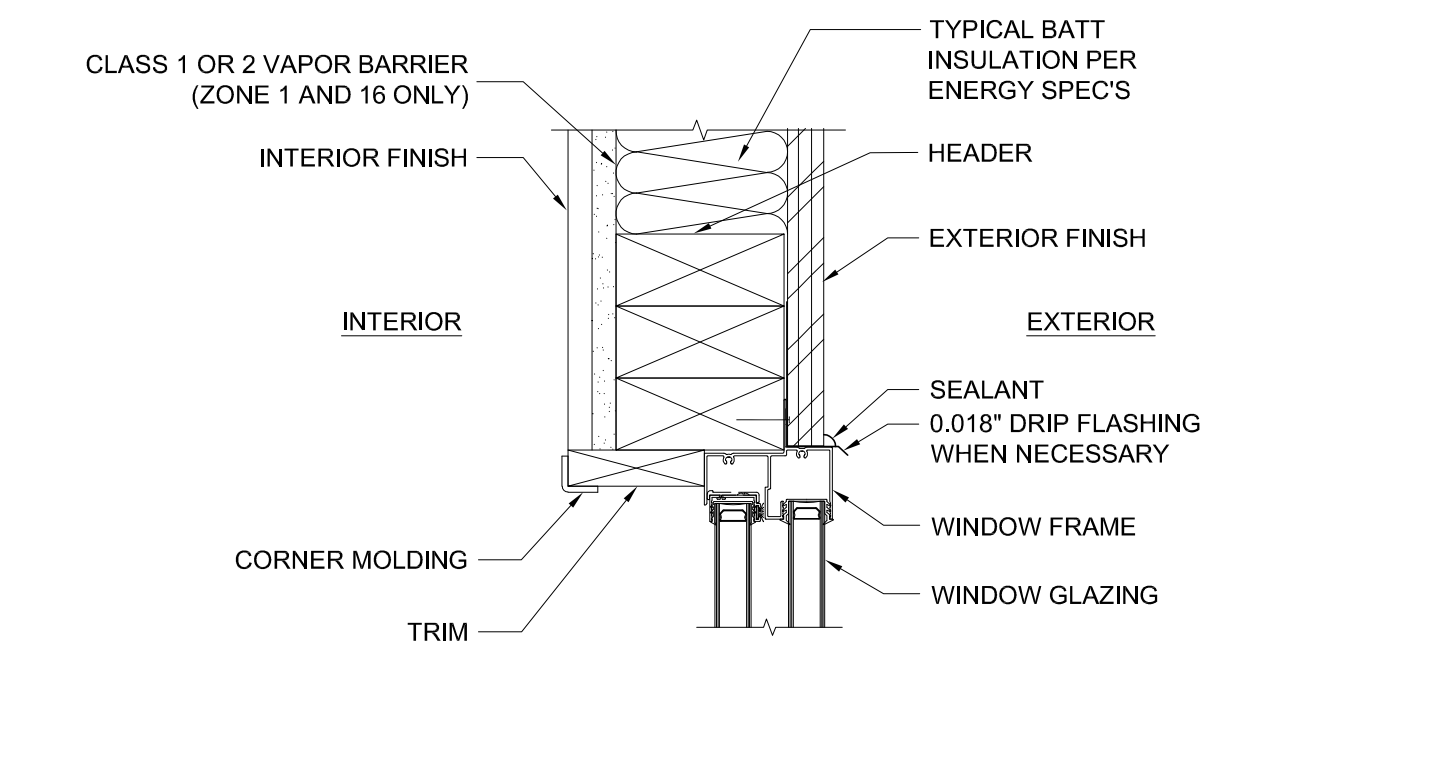
EXTERIOR DOOR HEADER SCALE: 3"=1'-0" 6



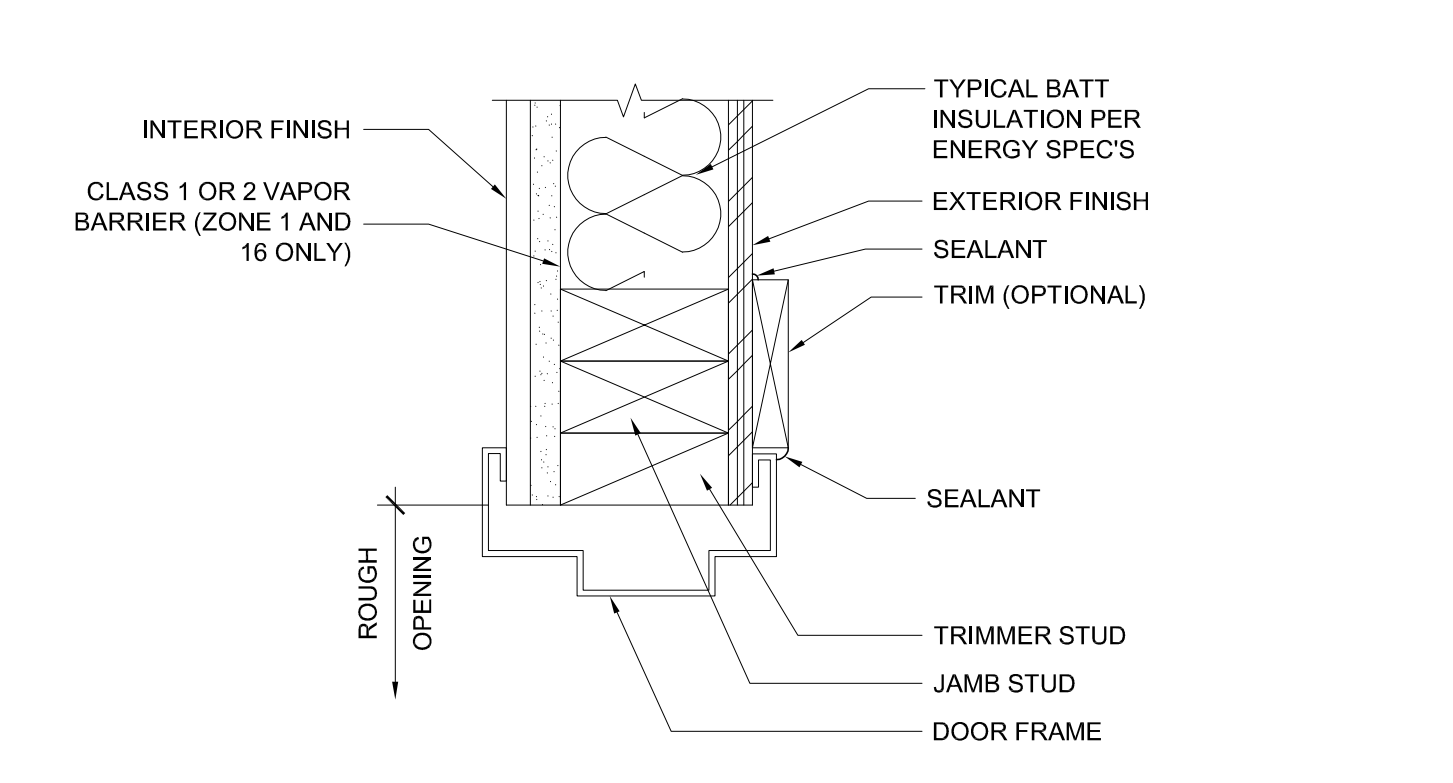
CLOSURE BETWEEN BUILDINGS SCALE: 3"=1'-0" 1



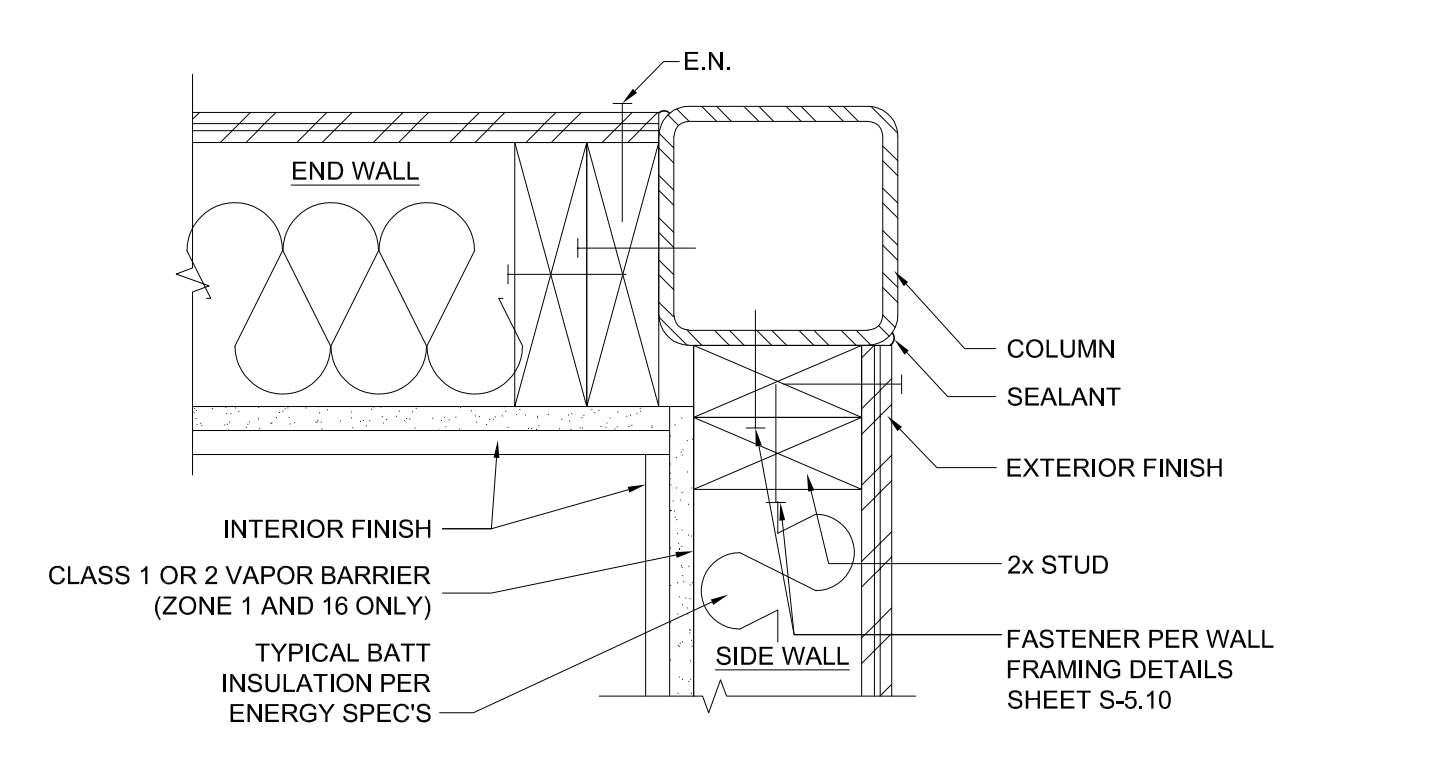
HVAC UNIT AT BOTTOM SCALE: 3"=1'-0" 17



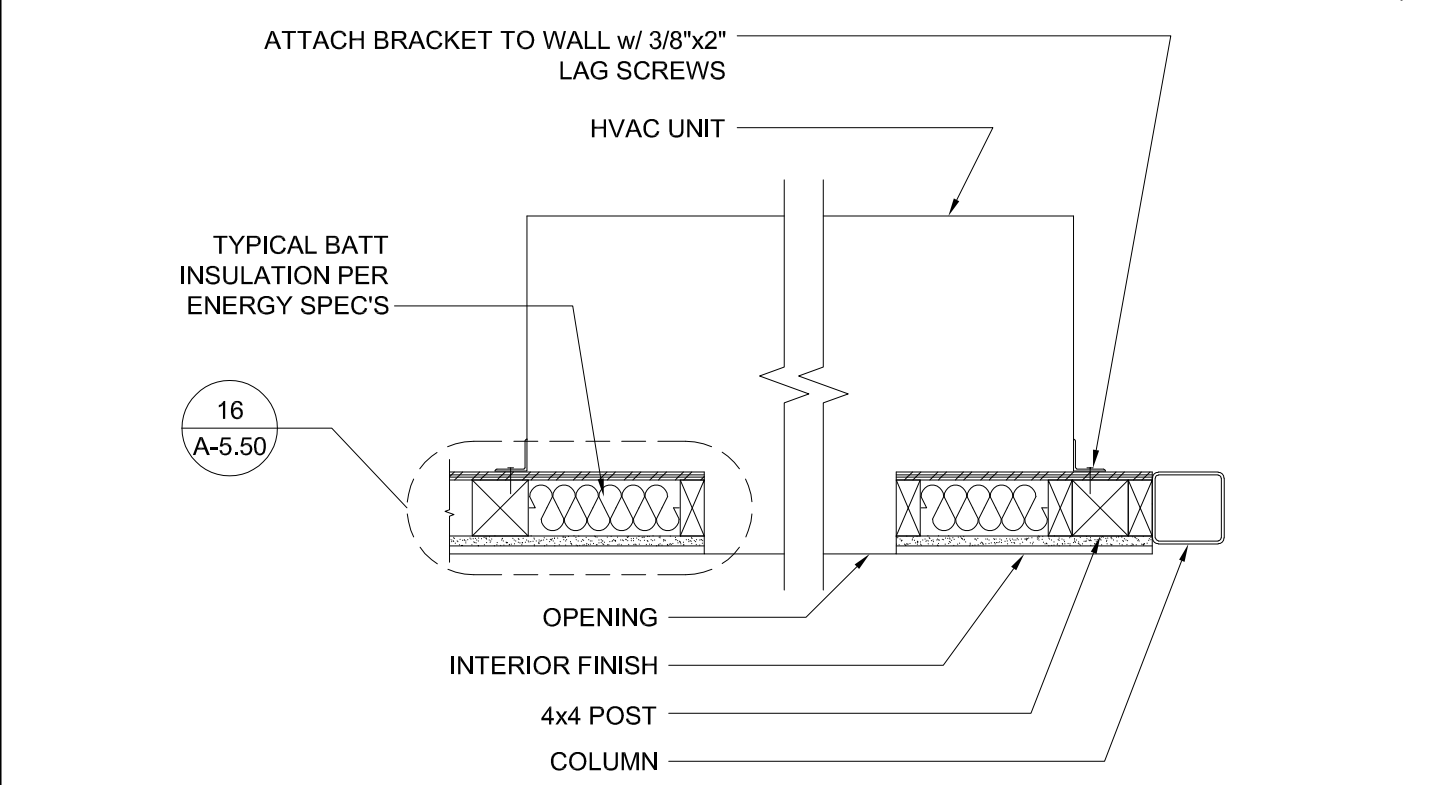
WINDOW HEADER SCALE: 3"=1'-0" 12



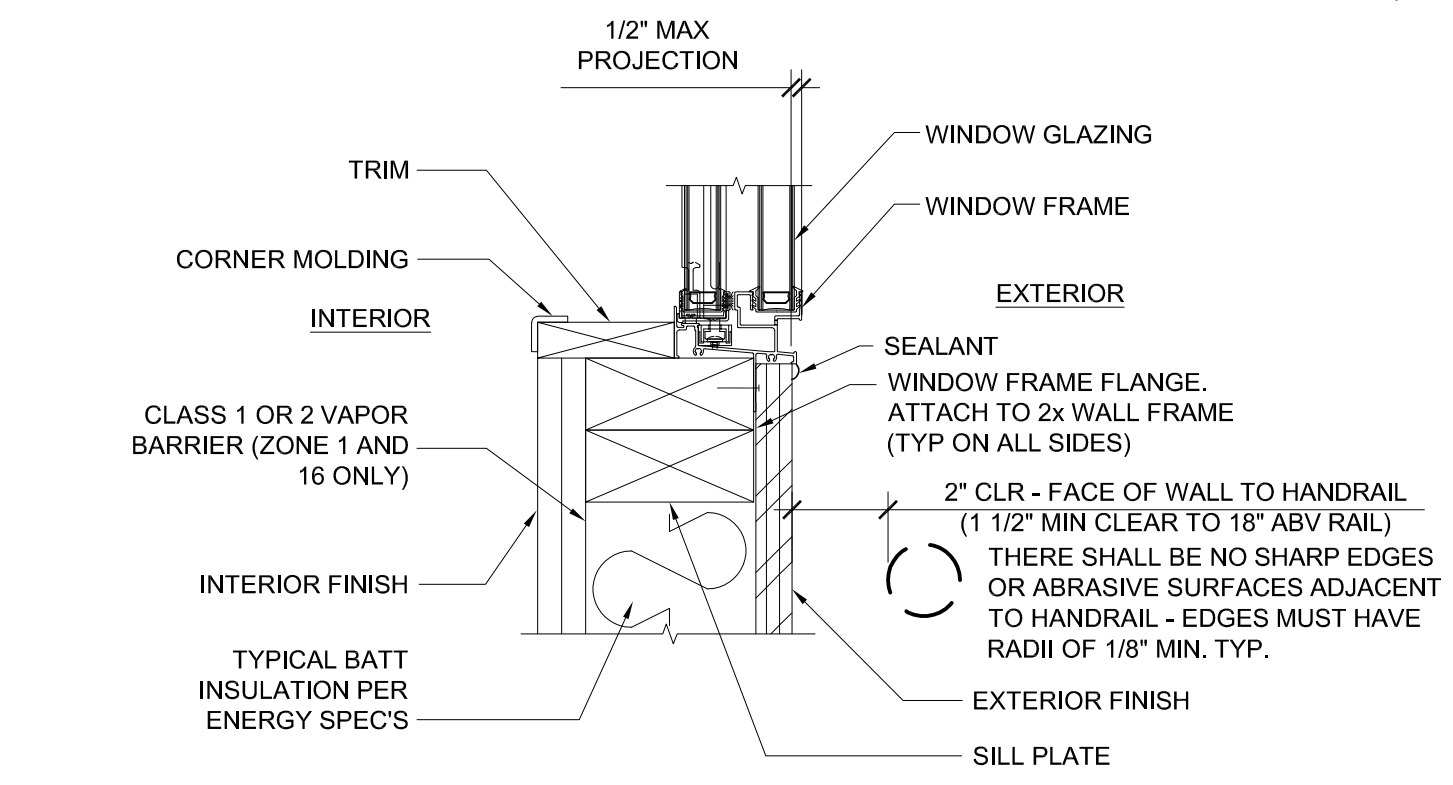
EXTERIOR DOOR JAMB SCALE: 3"=1'-0" 7



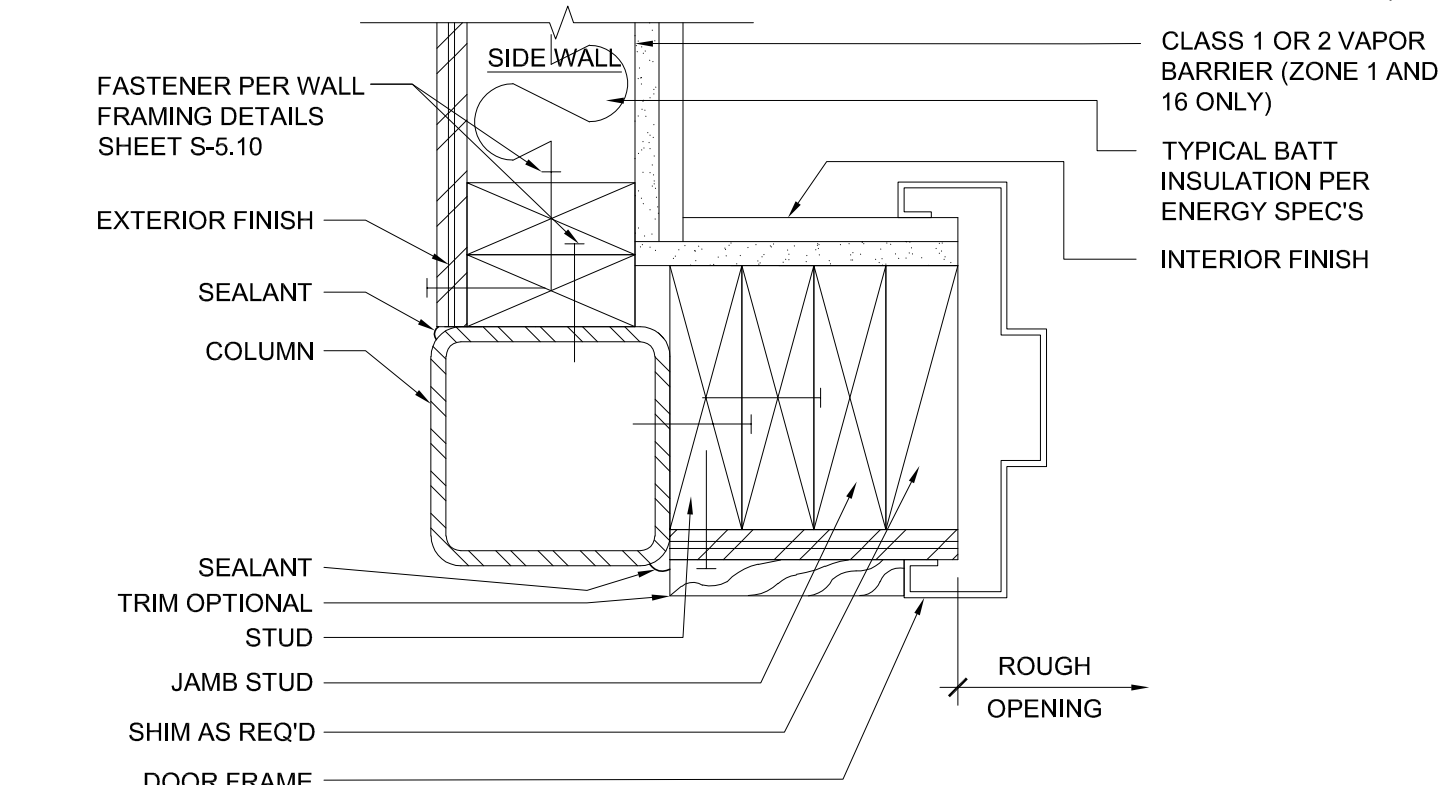
COLUMN AT CORNER SCALE: 3"=1'-0" 2



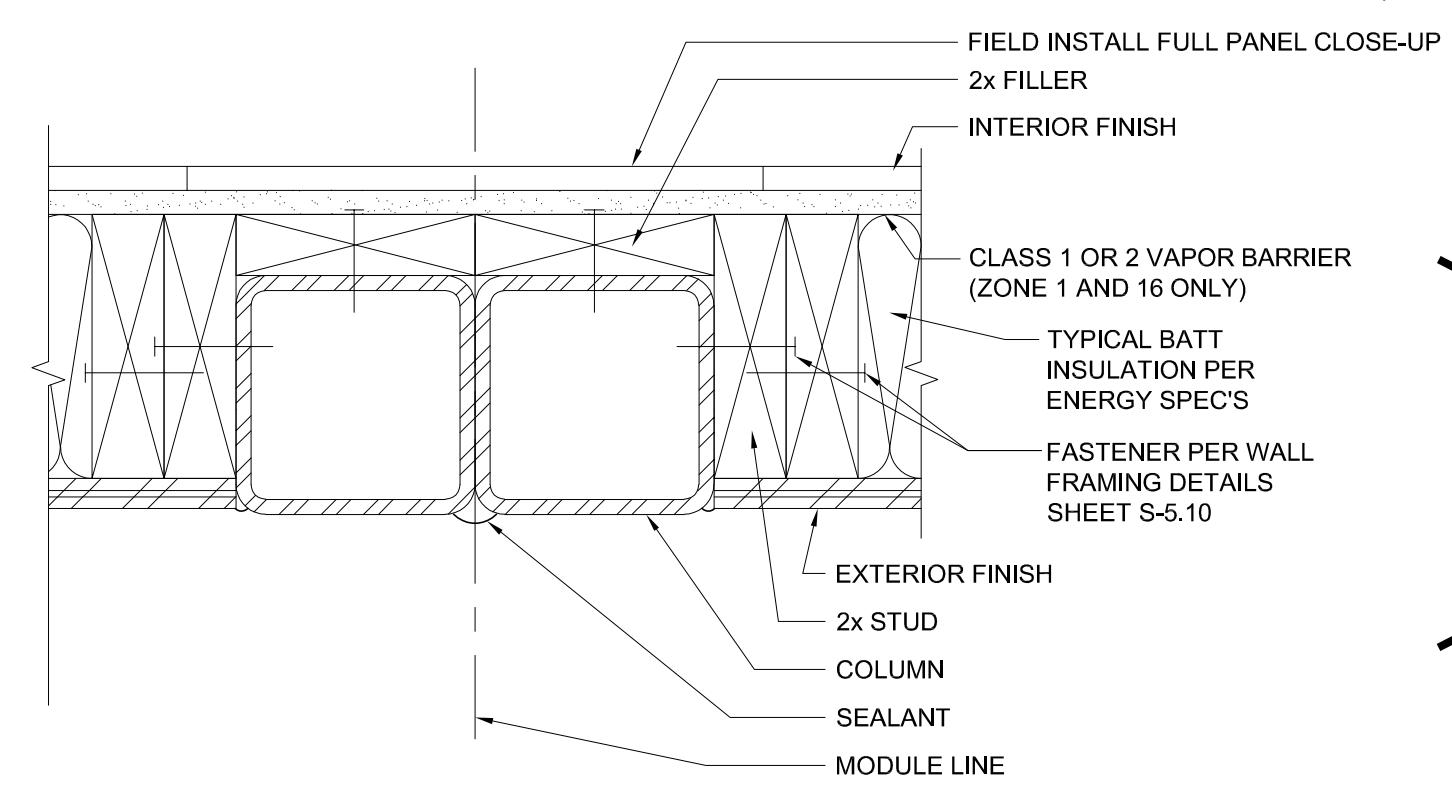
HVAC UNIT (PLAN) SCALE: 1"=1'-0" 18



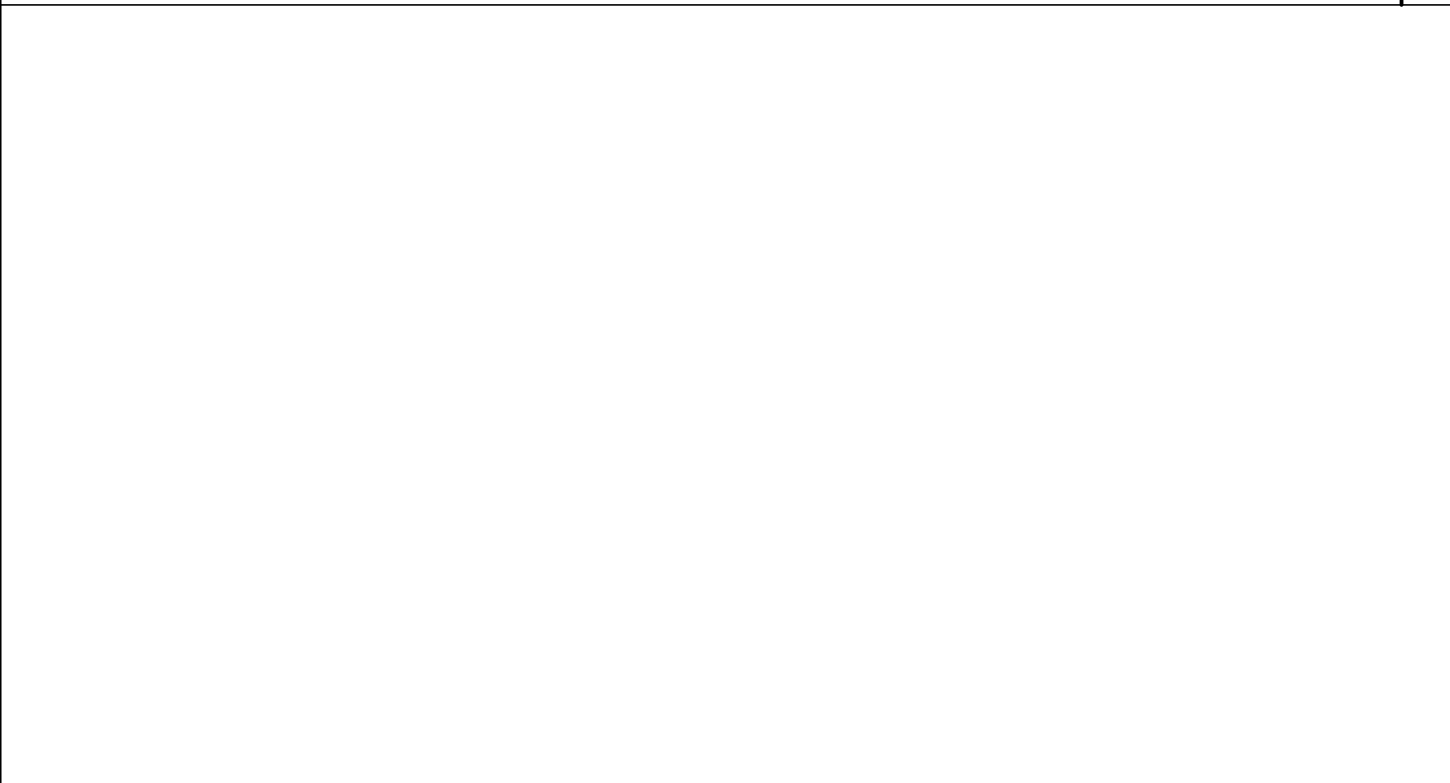
WINDOW SILL SCALE: 3"=1'-0" 13



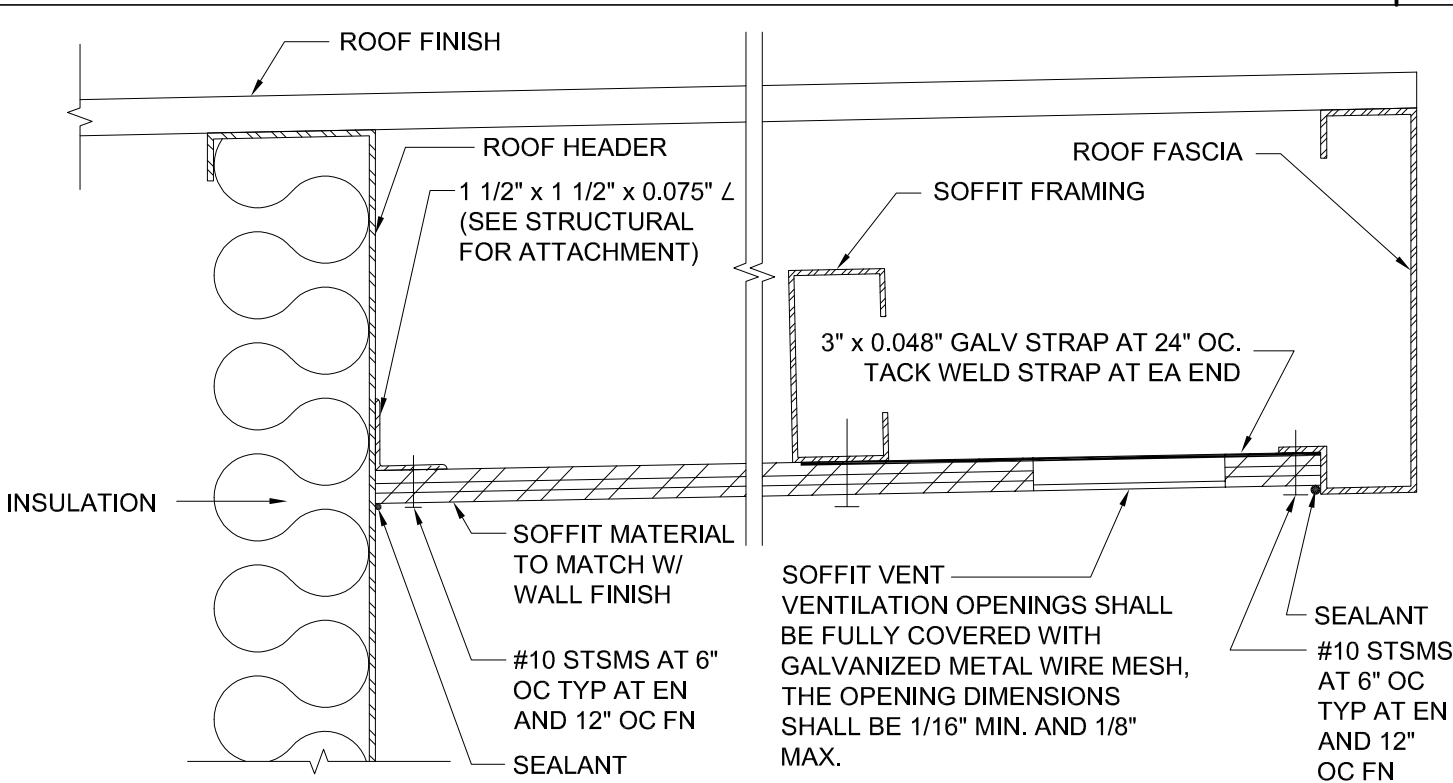
COLUMN AT CORNER SCALE: 3"=1'-0" 8



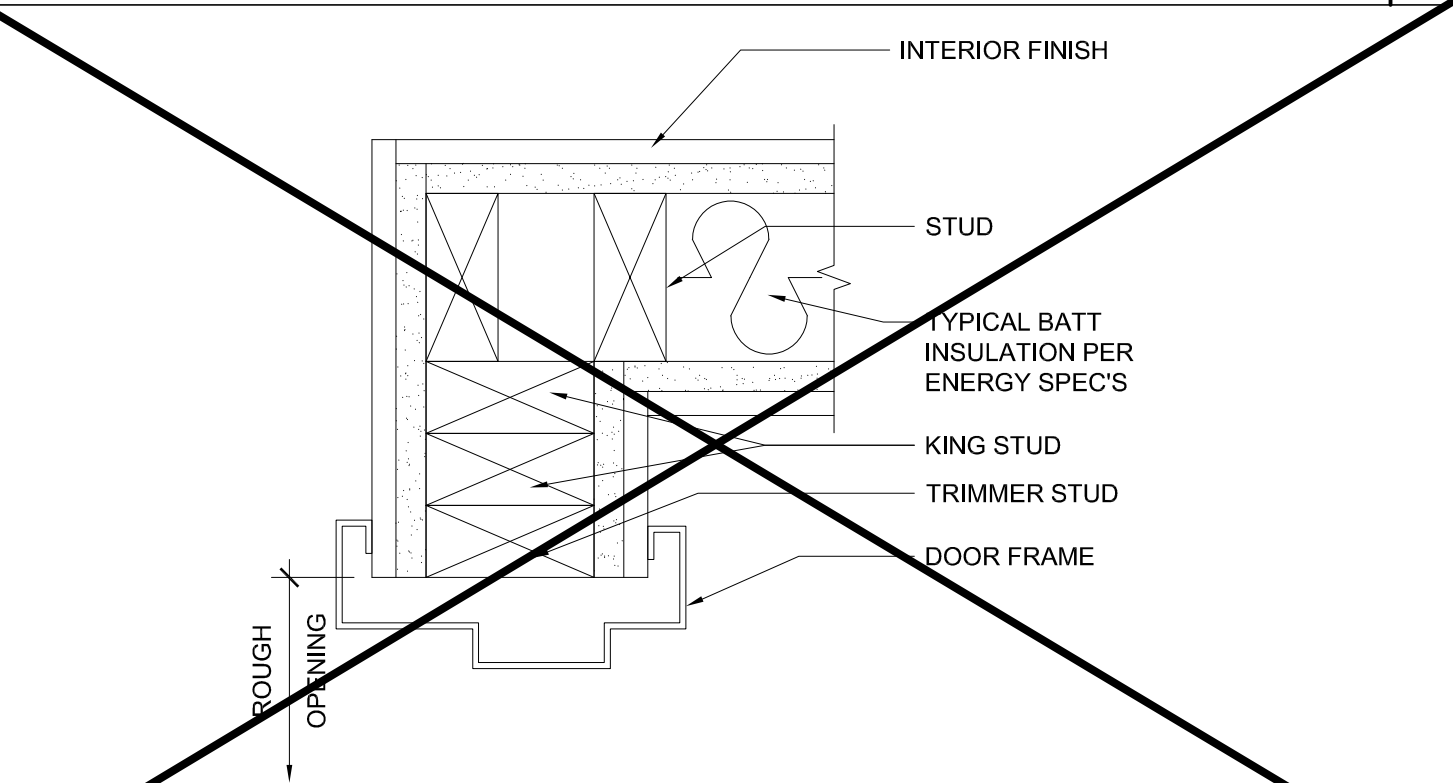
COLUMN AT MODULE LINE (FULL PANEL CLOSE-UP) SCALE: 3"=1'-0" 3



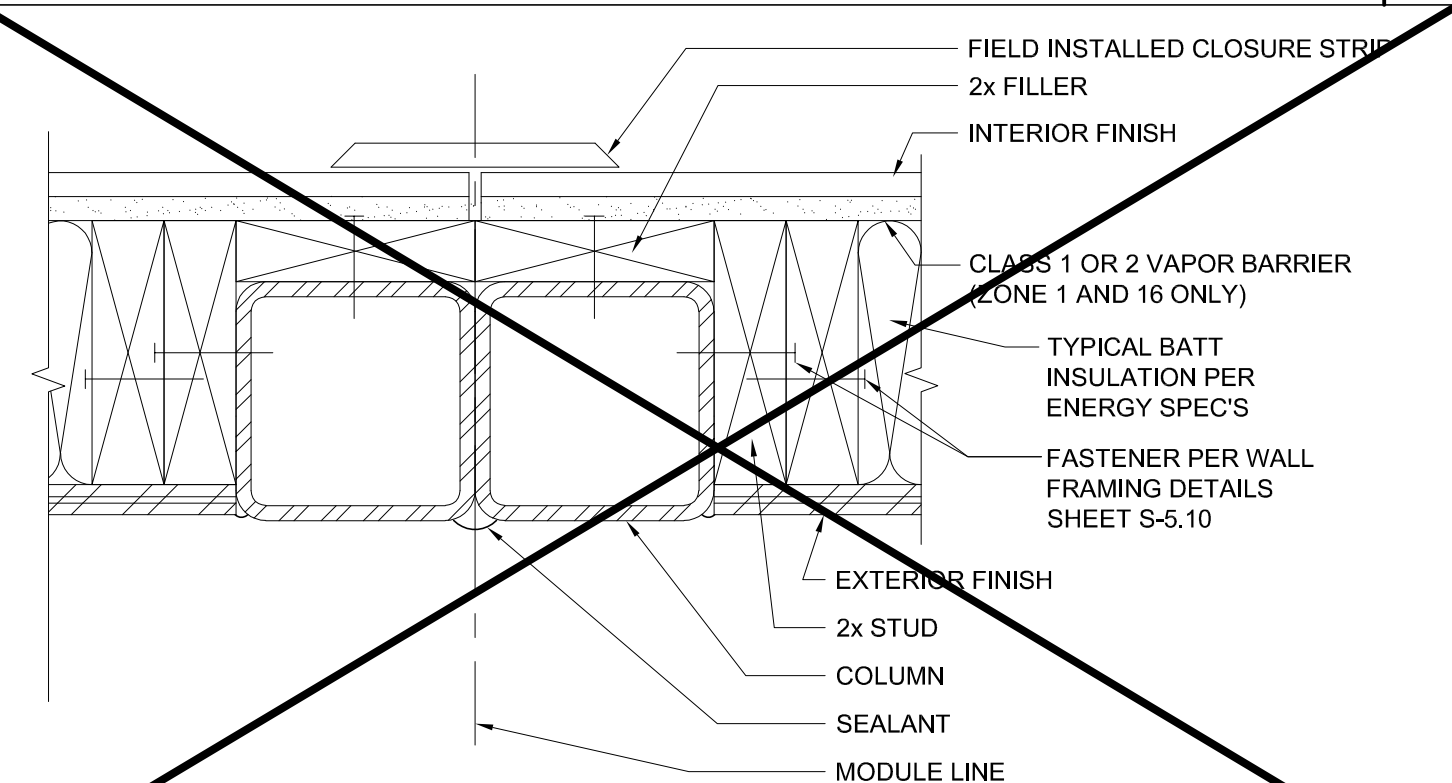
NOT USED 19



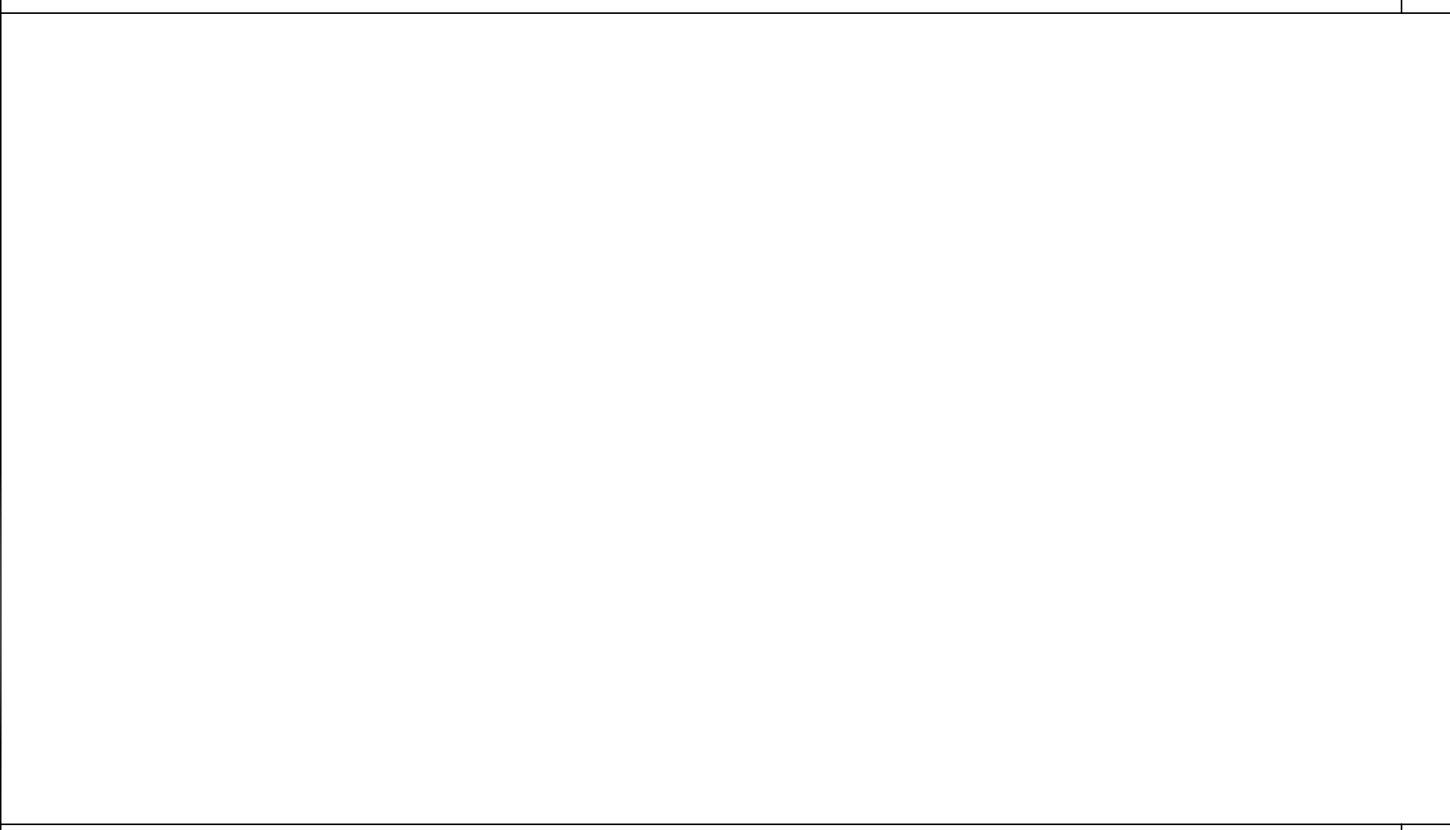
SOFFIT AT ROOF HEADER WITH VENT SCALE: 3"=1'-0" 14



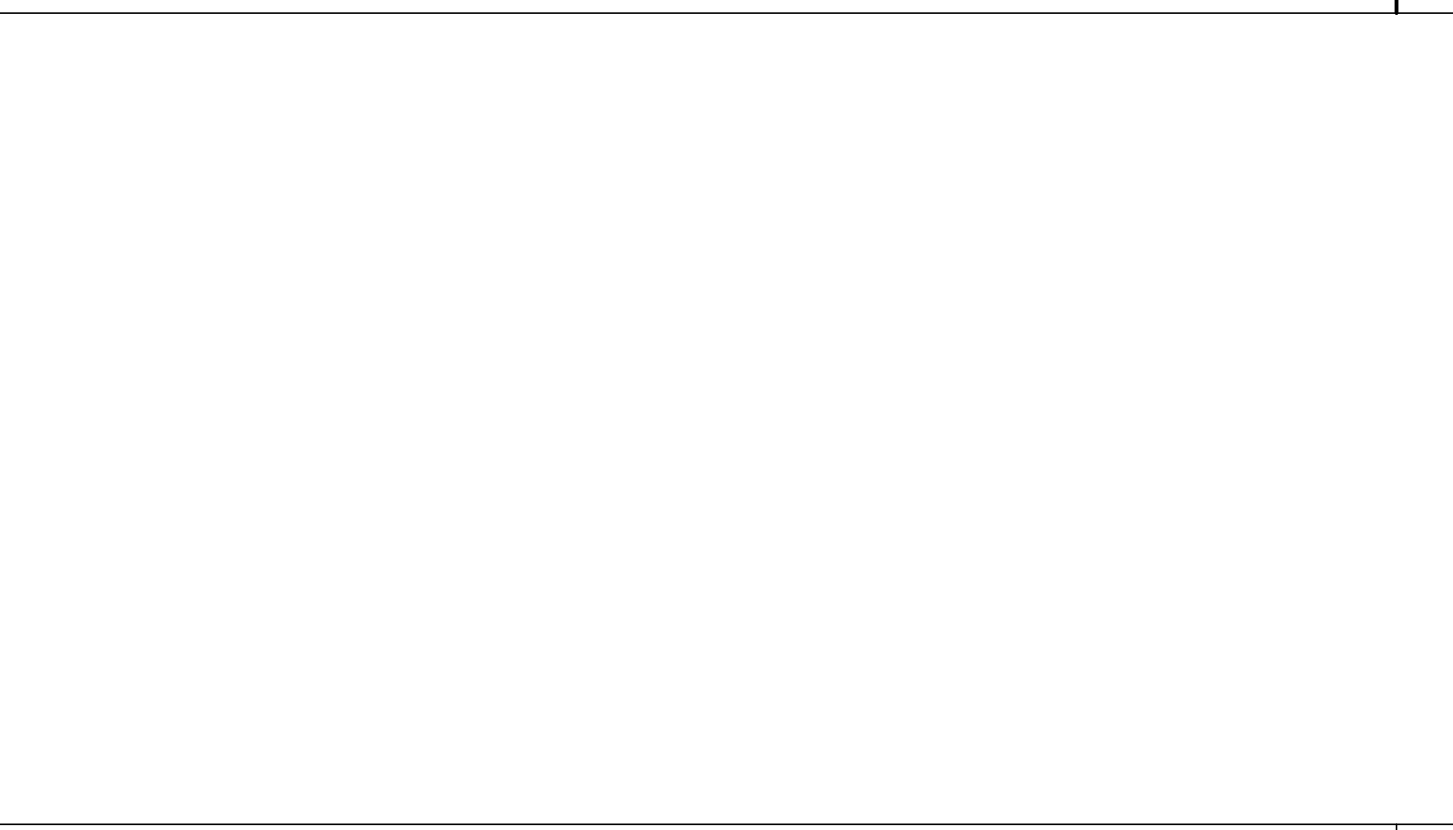
INTERIOR DOOR JAMB SCALE: 3"=1'-0" 9



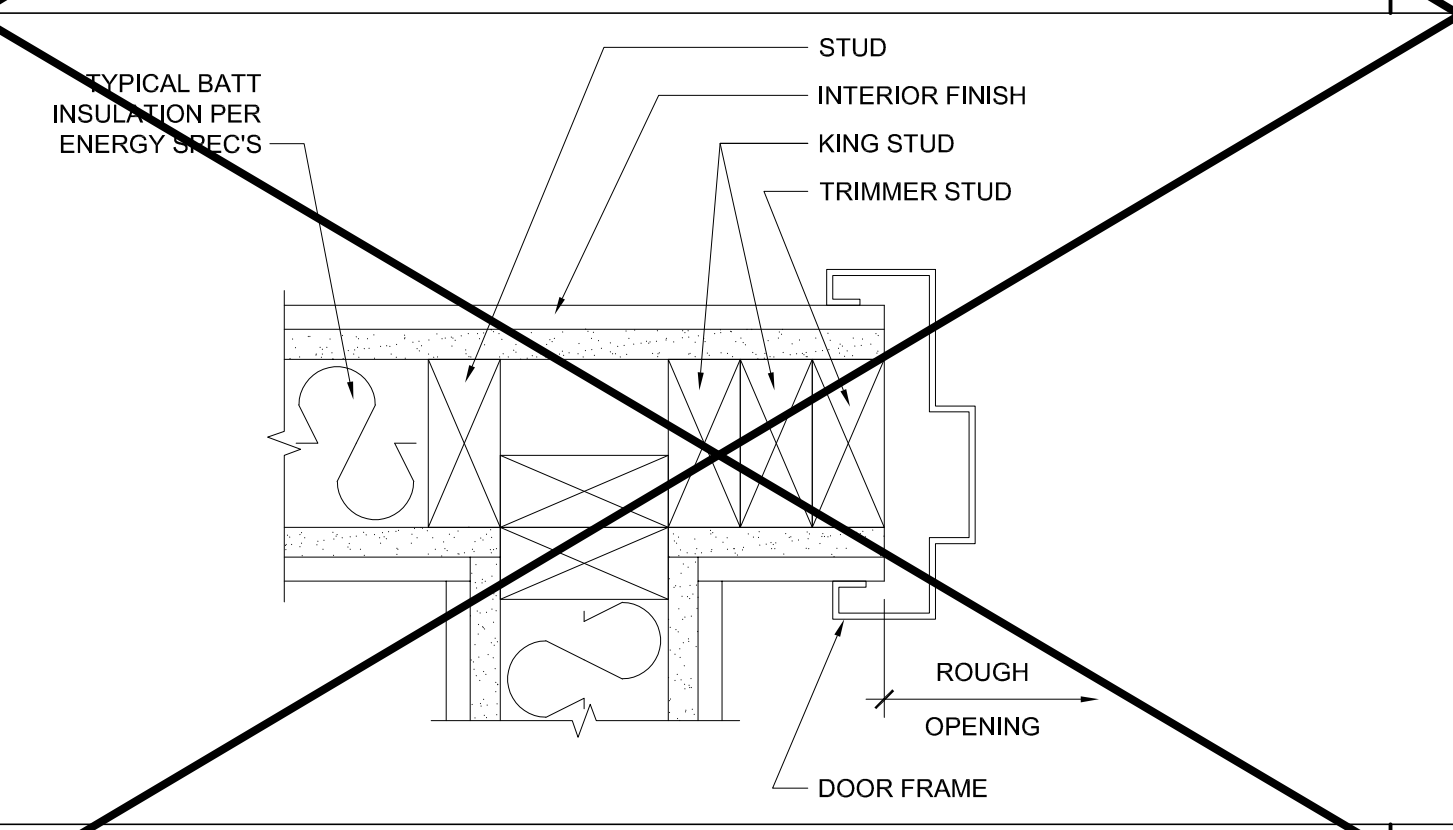
COLUMN AT MODULE LINE (CLOSURE STRIP) SCALE: 3"=1'-0" 4



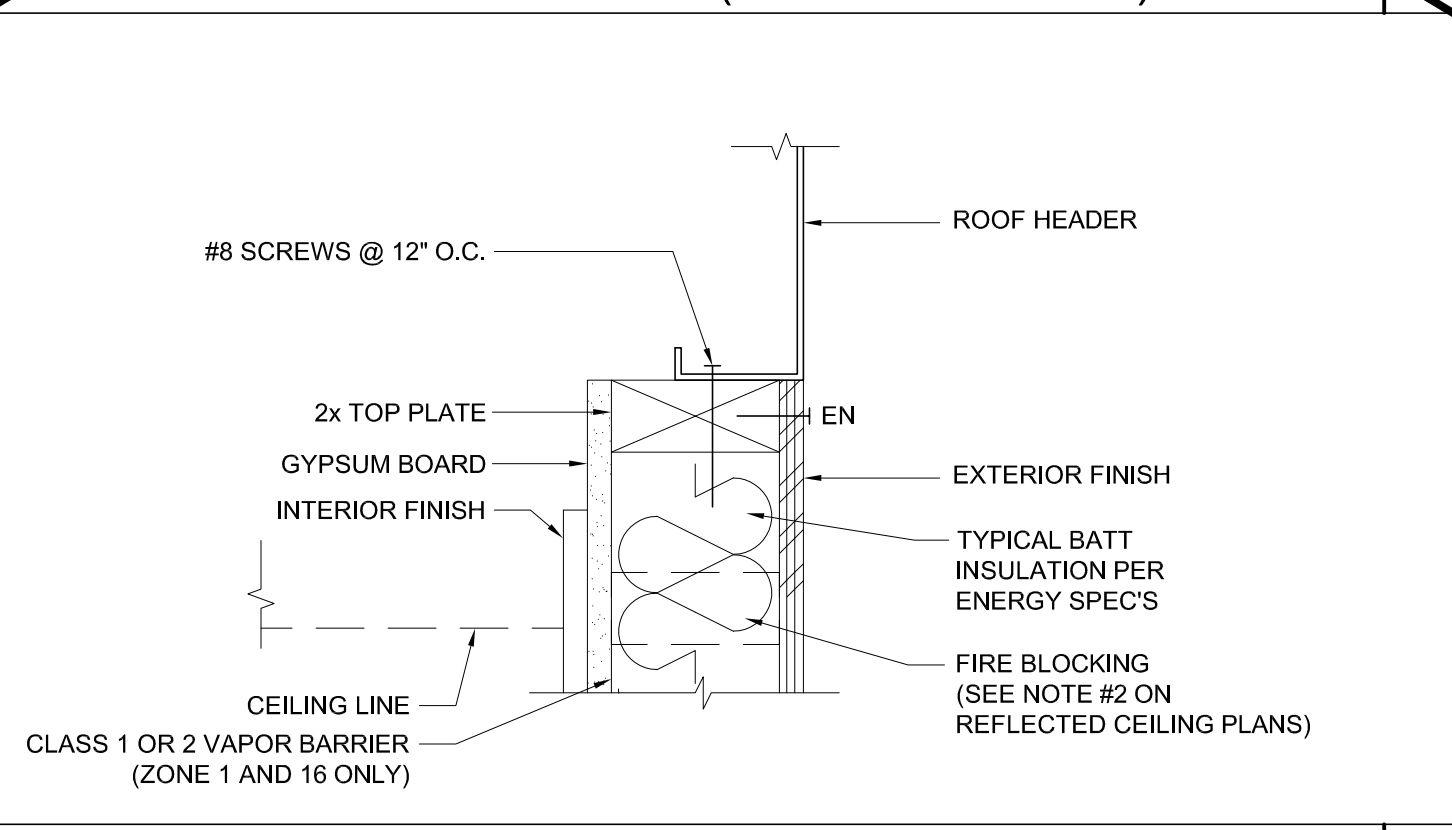
NOT USED 20



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  
APP: 02-122155 INC.  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL  
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PROJECT NAME:  
**SYLVAN USD  
SOMERSET M.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  
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DIV. OF THE STATE ARCHITECT  
APP: 04-121999 INC.  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

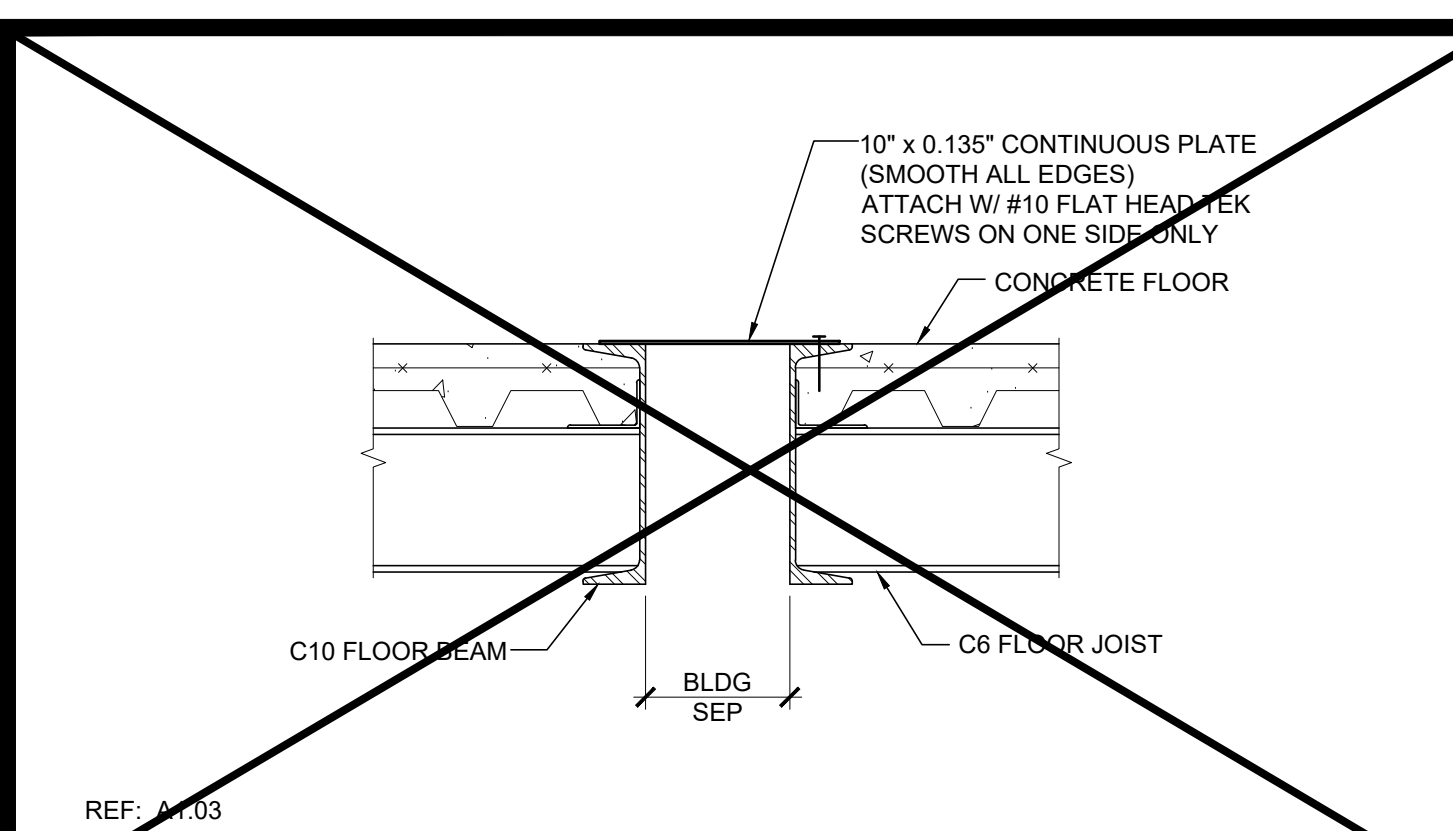
**Silver Creek**  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

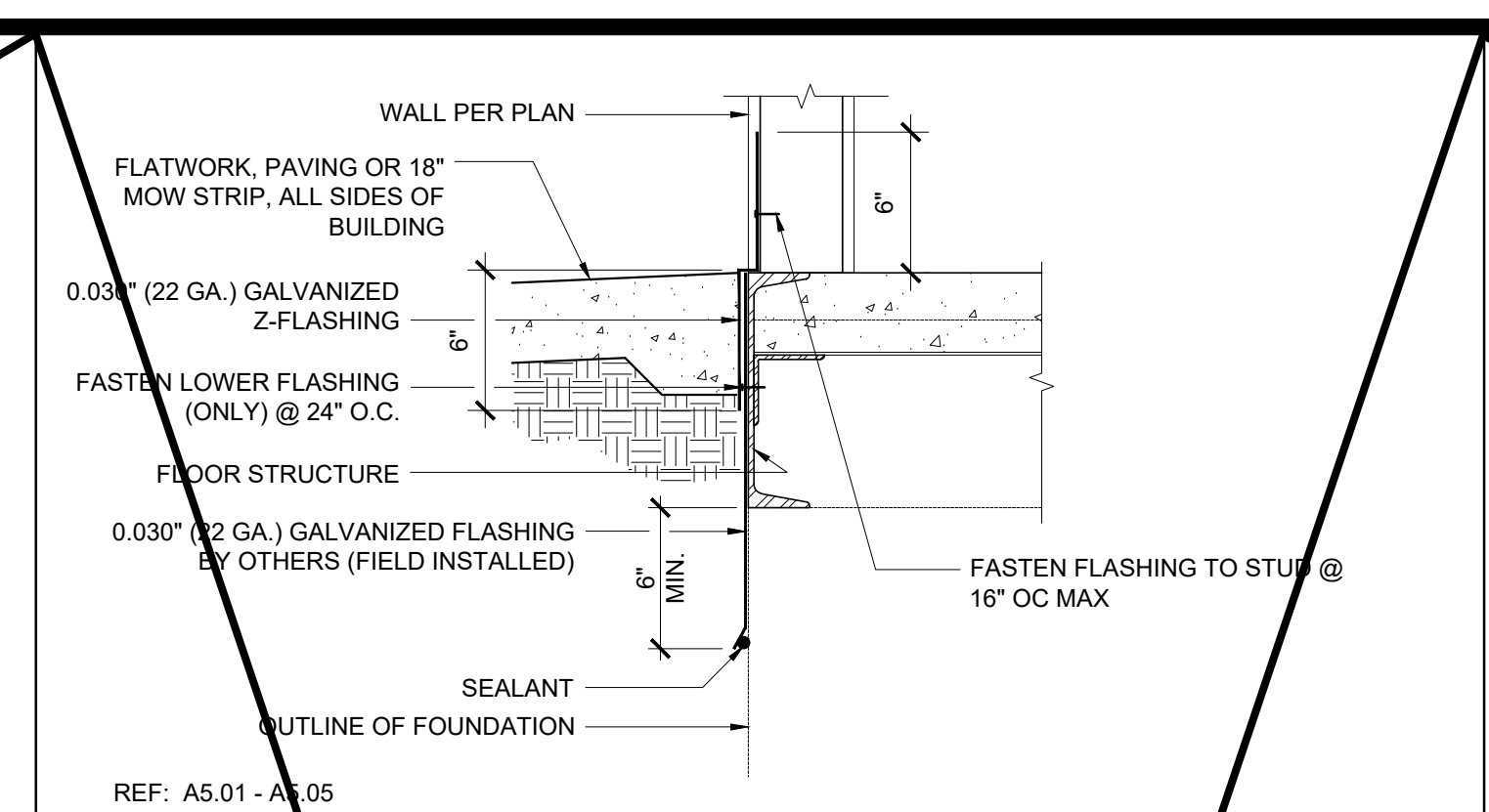
SILVER CREEK INDUSTRIES  
24' x 40' PC

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

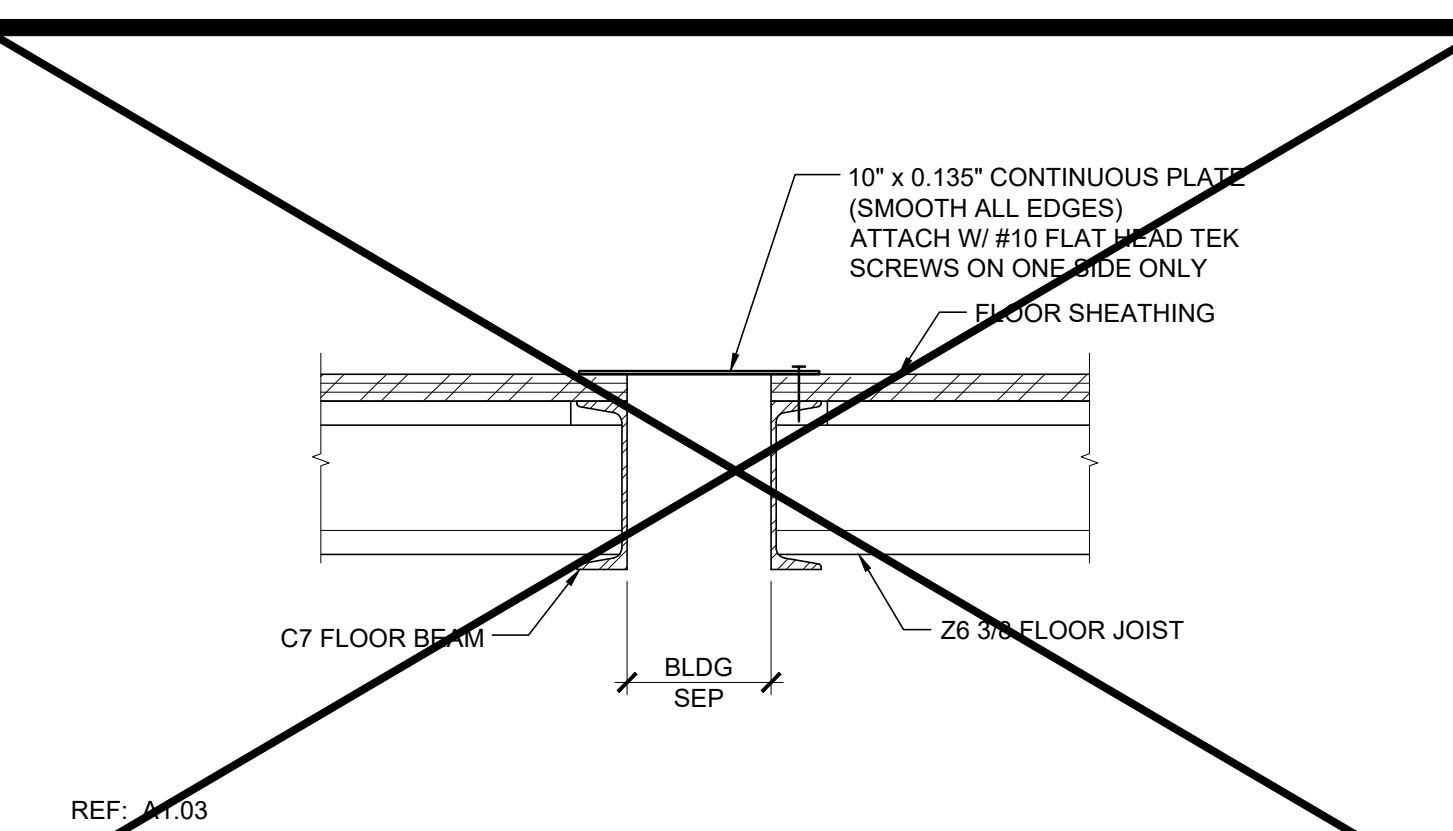
**A-5.50**



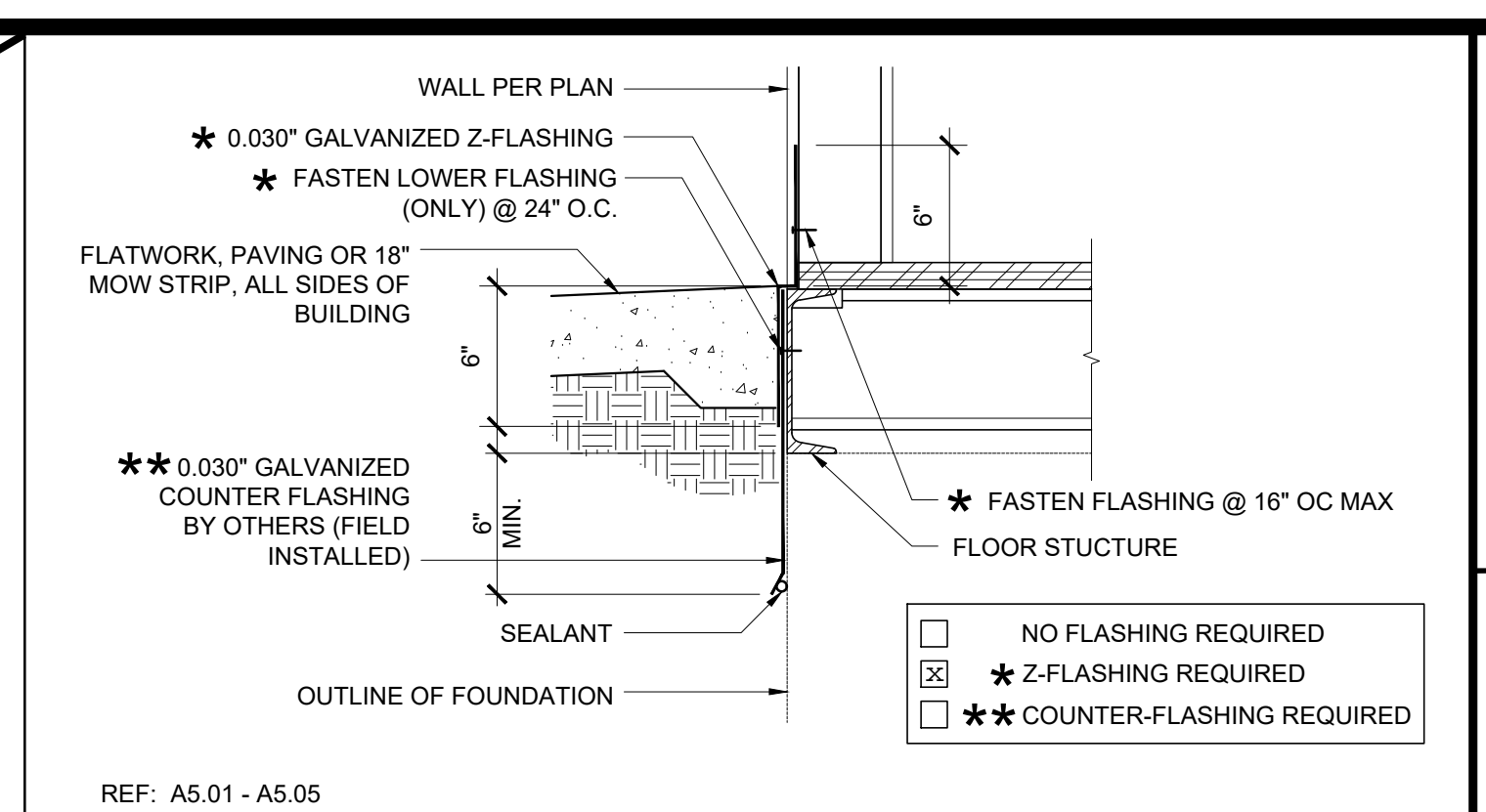
16 FLOOR AT SEPARATION (CONCRETE FLR) SCALE: 1 1/2"=1'-0"



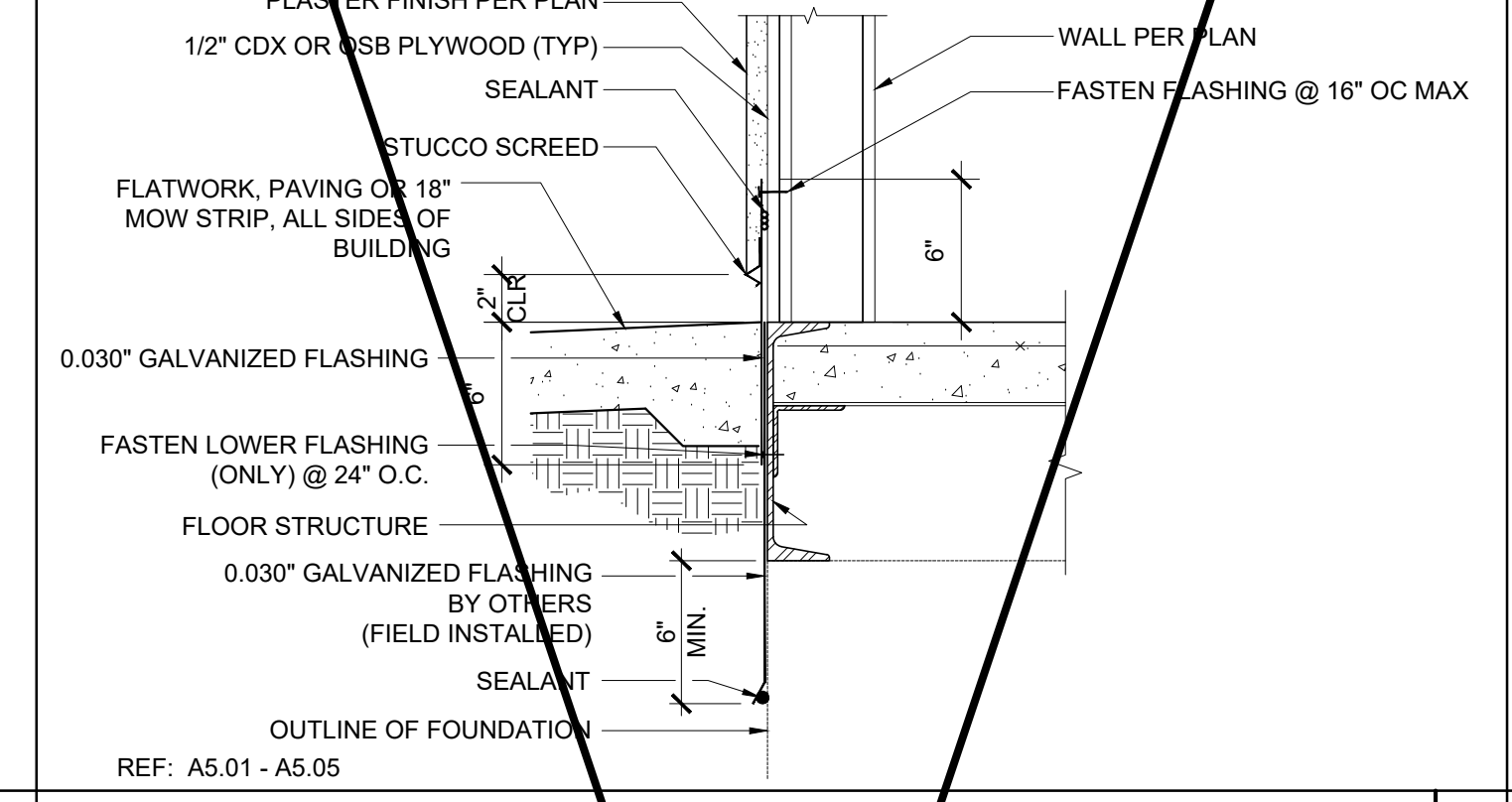
11 SKIRT FLASHING (CONCRETE FLOOR) SCALE: 1 1/2"=1'-0"



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



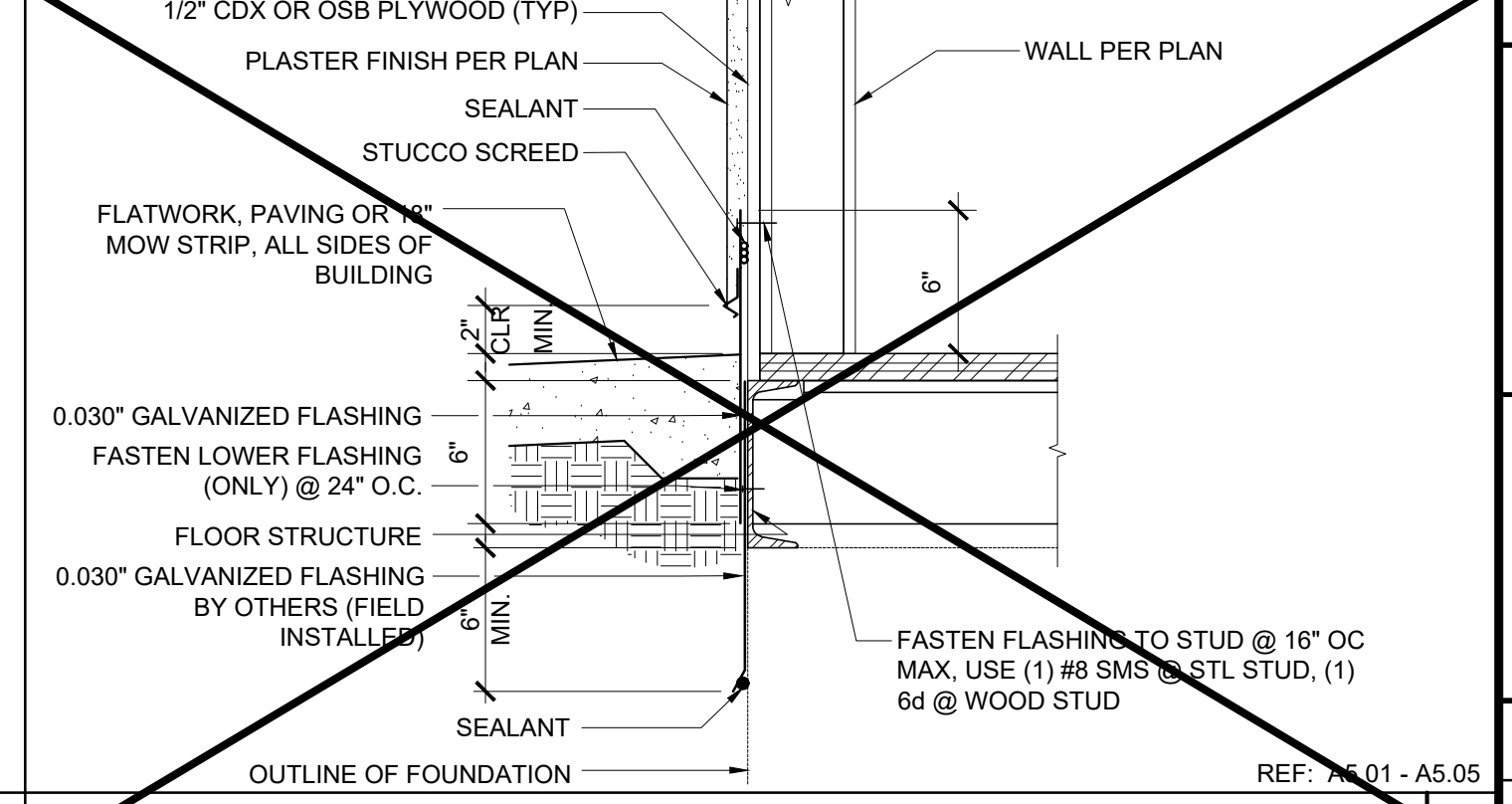
1 SKIRT FLASHING (WOOD FLOOR) SCALE: 1 1/2"=1'-0"



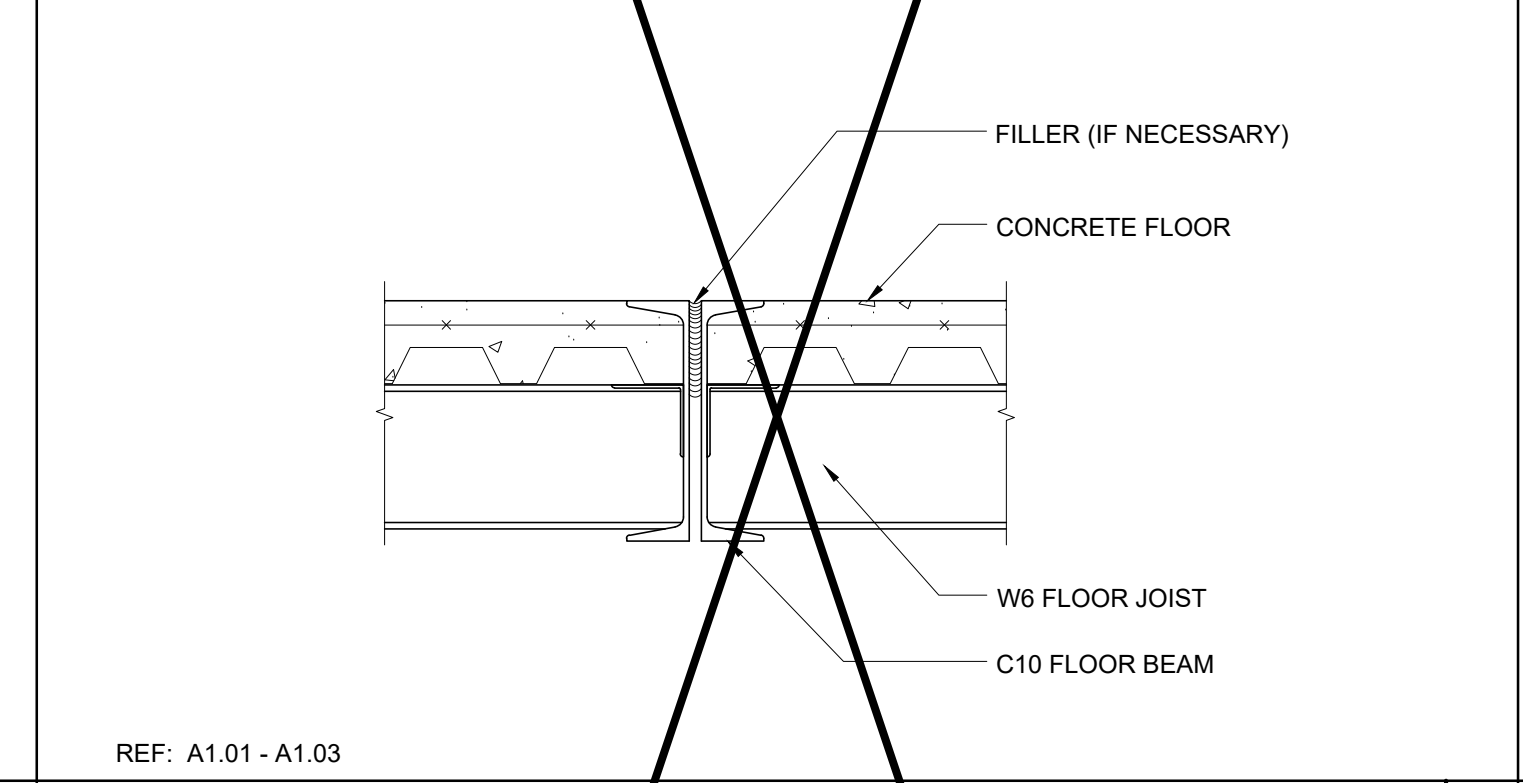
17 SKIRT FLASHING (CONCRETE FLOOR) SCALE: 1 1/2"=1'-0"

NOTE:

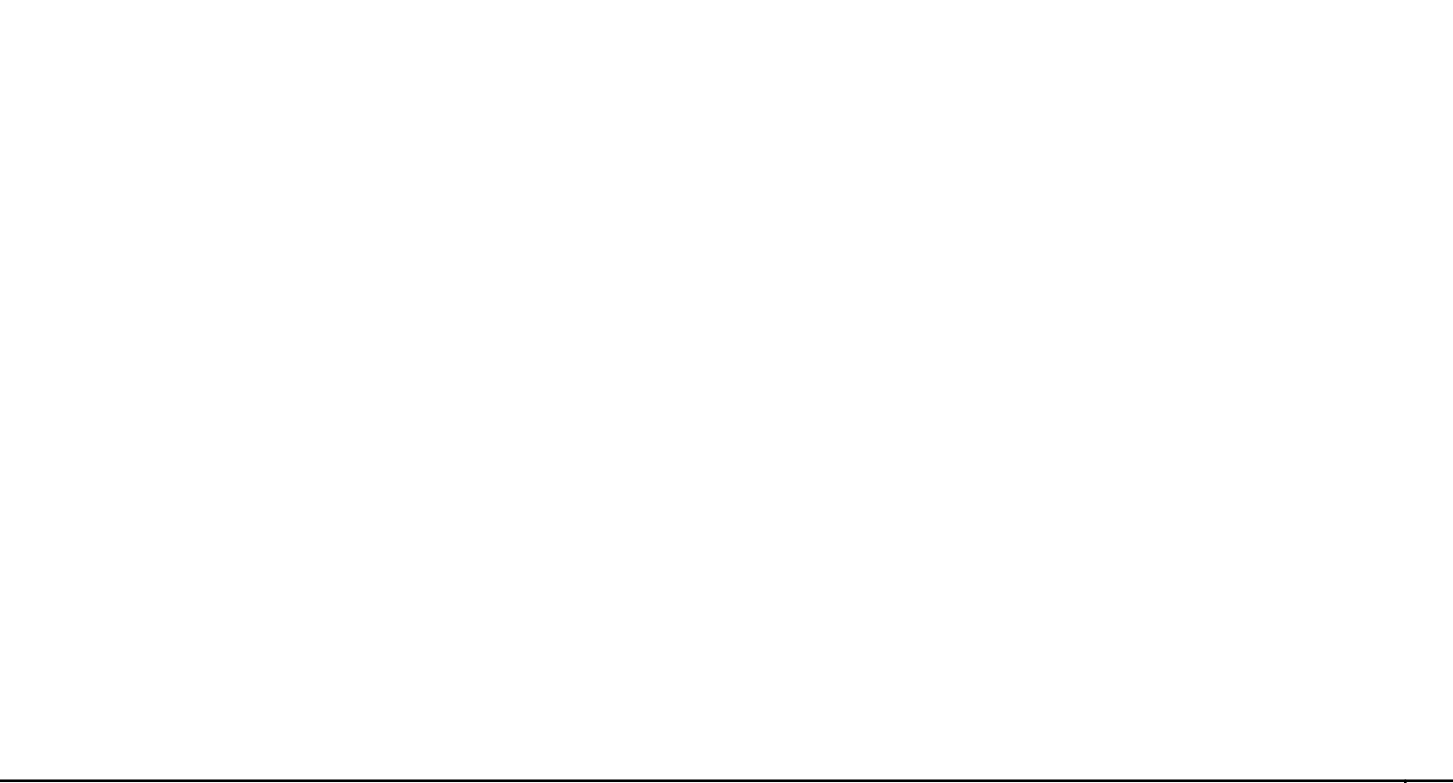
1. WHEN THE BUILDING IS INSTALLED AT GROUND LEVEL (BELOW GRADE FOUNDATION OPTION) DETAILS 1, 2, 5, 11, 12+15 CAN ONLY BE USED WHERE THE BUILDING SIZE DOES NOT EXCEED 2,160 SF. SEE SHEETS A-5.71 THRU A-5.78 FOR ALTERNATE FLASHING DETAILS FOR BUILDINGS LARGER THAN 2,160 SF.
2. THE DETAILS ON SHEETS A-5.71 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.



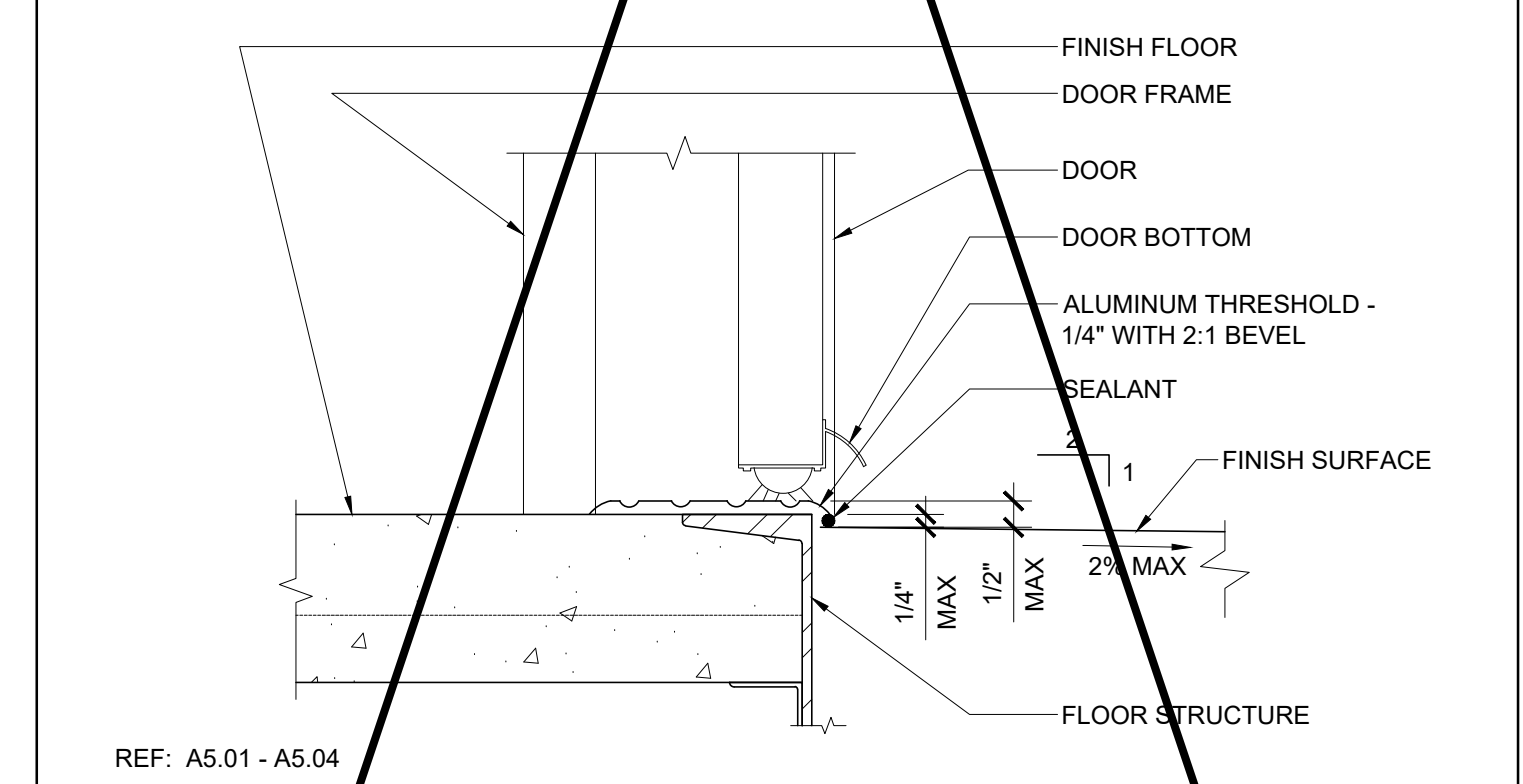
7 SKIRT FLASHING (WOOD FLOOR) SCALE: 1 1/2"=1'-0"



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



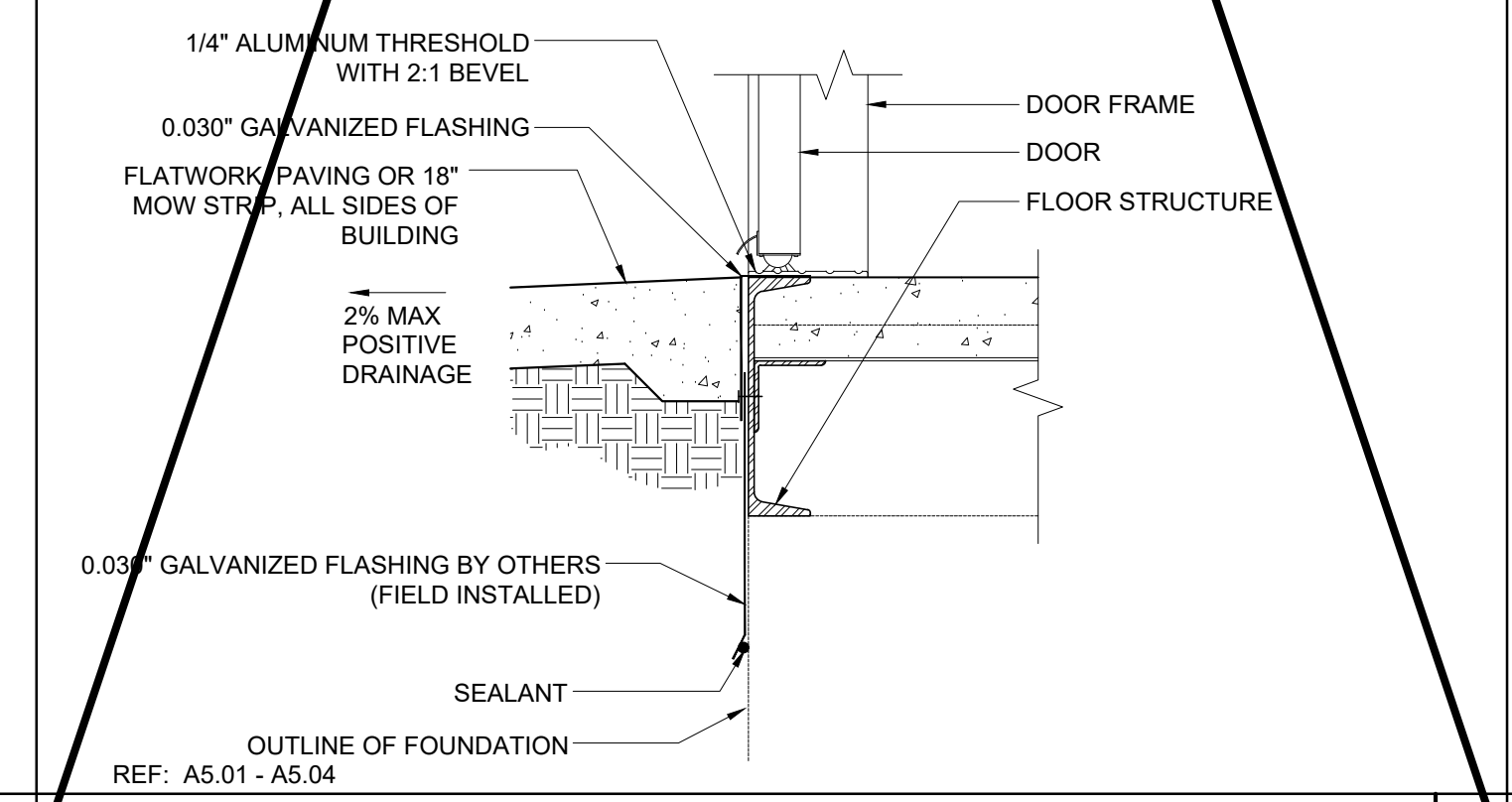
8 FLOOR AT MODLINE (WOOD FLOOR) SCALE: 1 1/2"=1'-0"



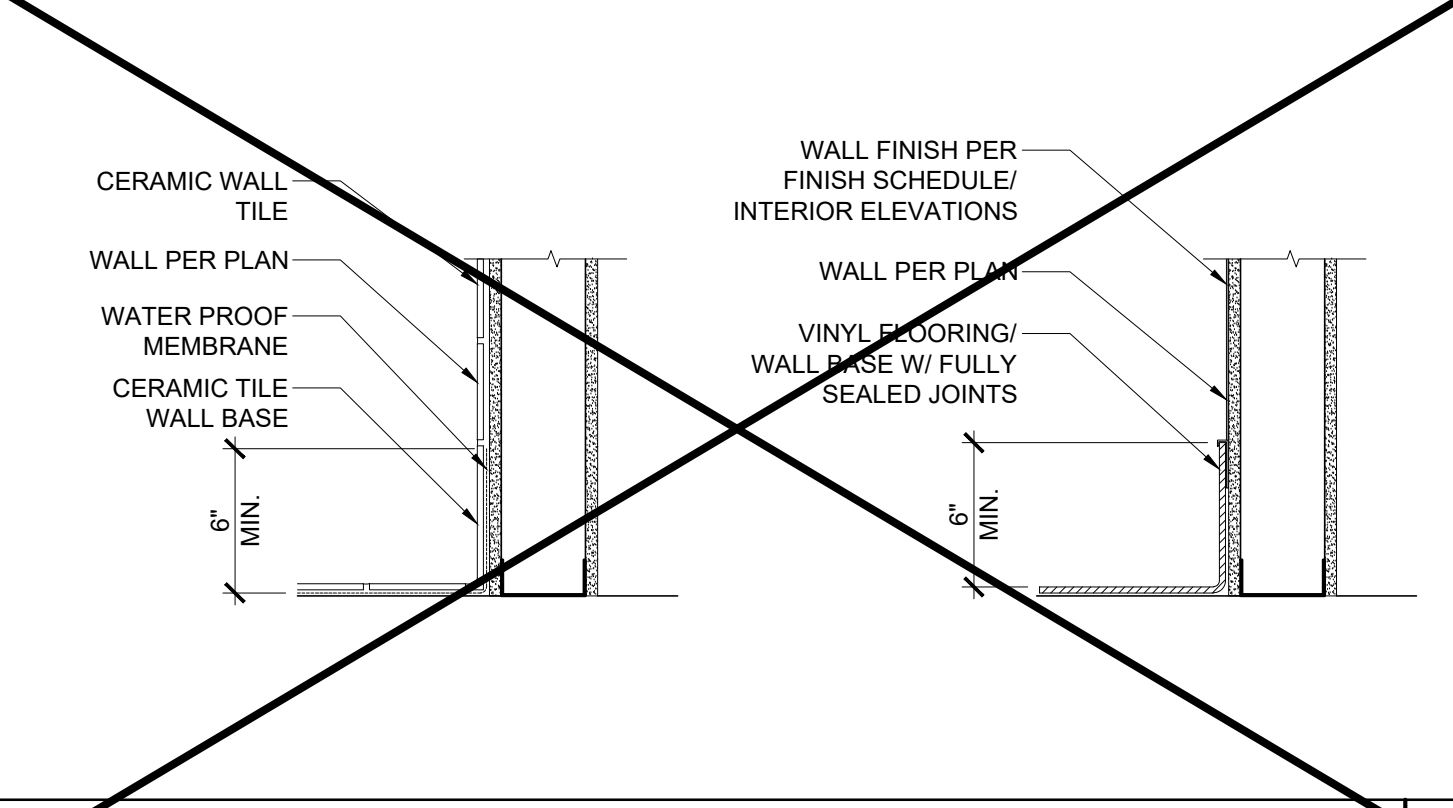
19 THRESHOLD SCALE: 3"=1'-0"



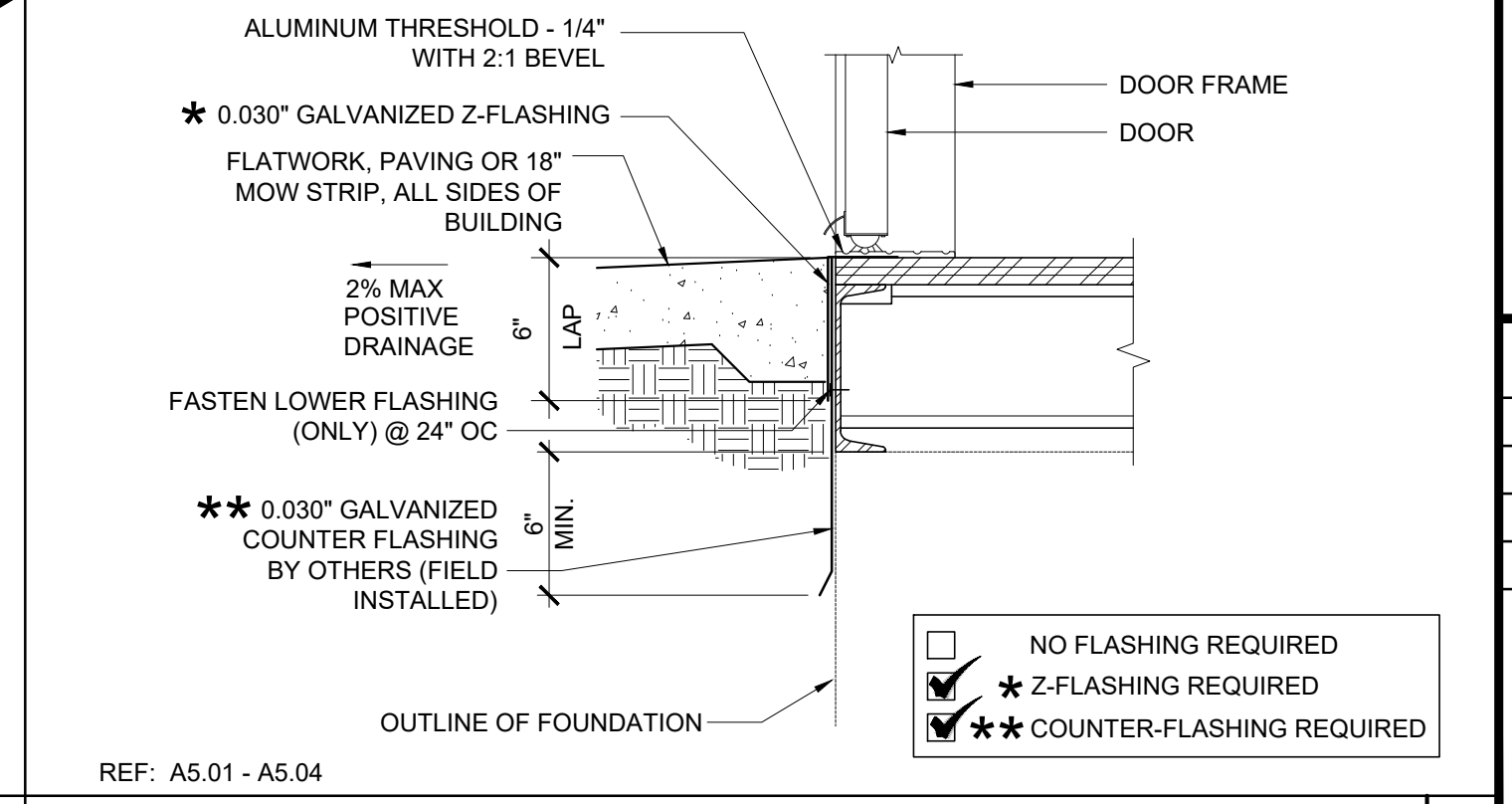
9 THRESHOLD SCALE: 3"=1'-0"



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"

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DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

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

SHEET TITLE:  
**ARCHITECTURAL  
DETAILS  
FLOOR**

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

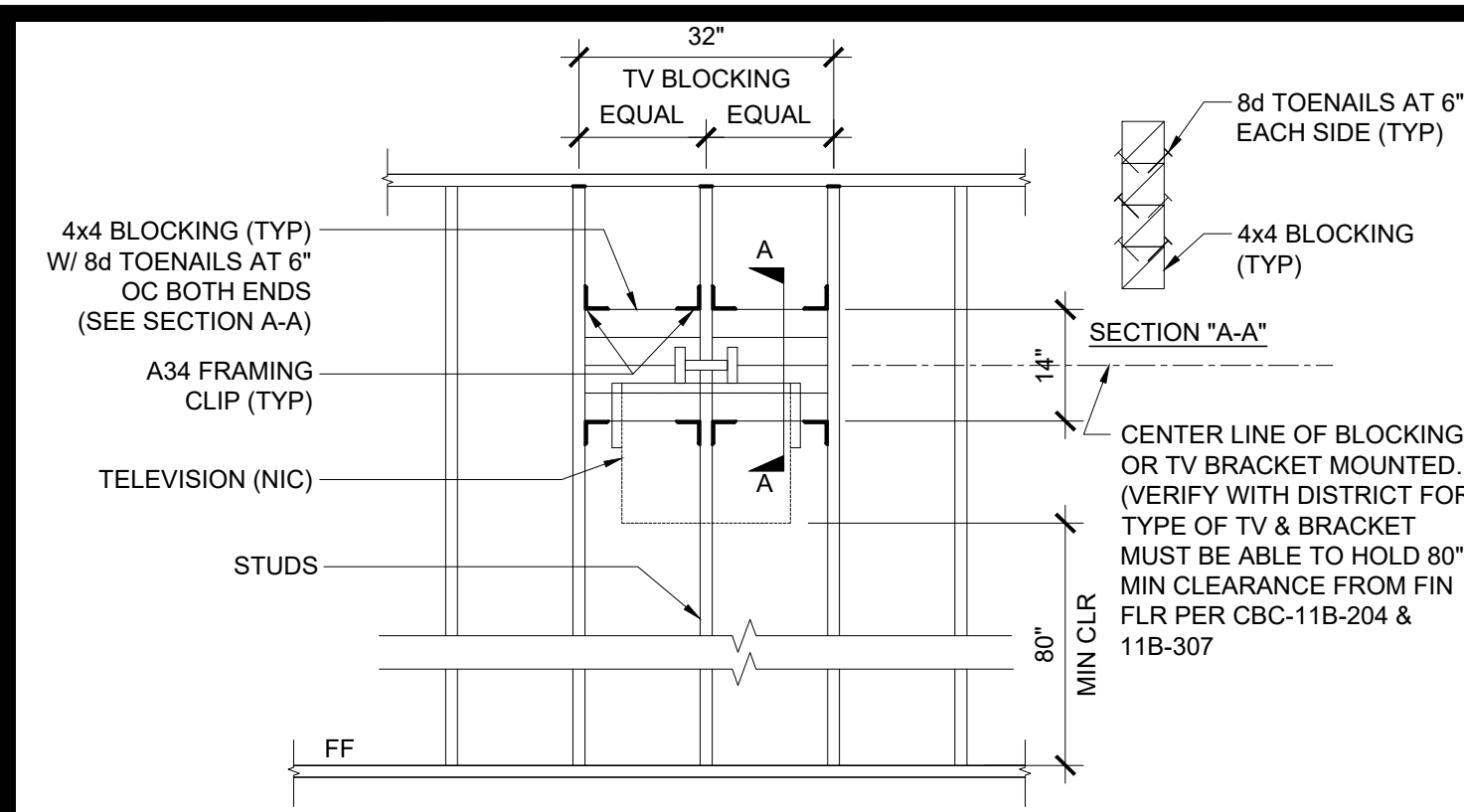
MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES  
24' x 40' PC

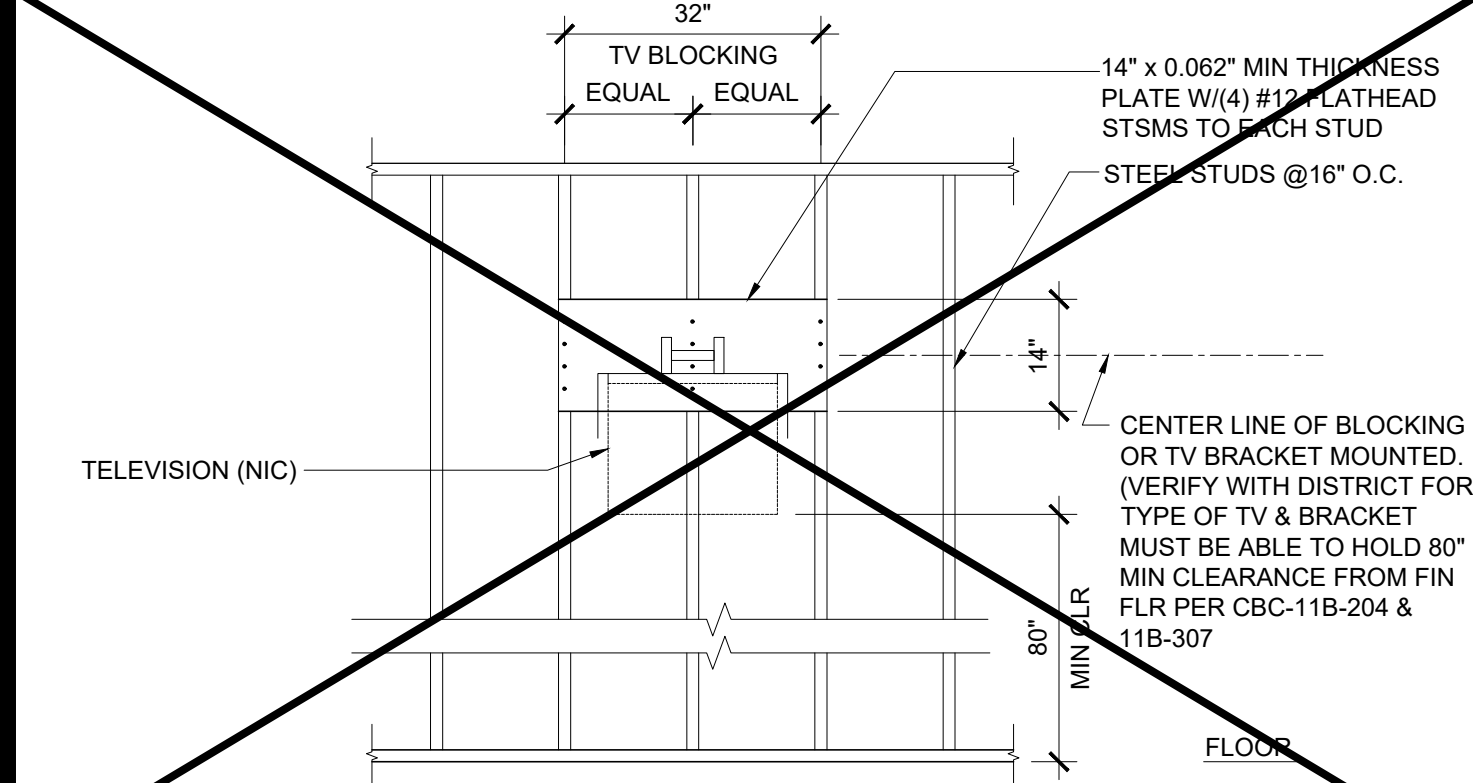
PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 02-27-2023  
P.C. SHEET NUMBER

**A-5.70**

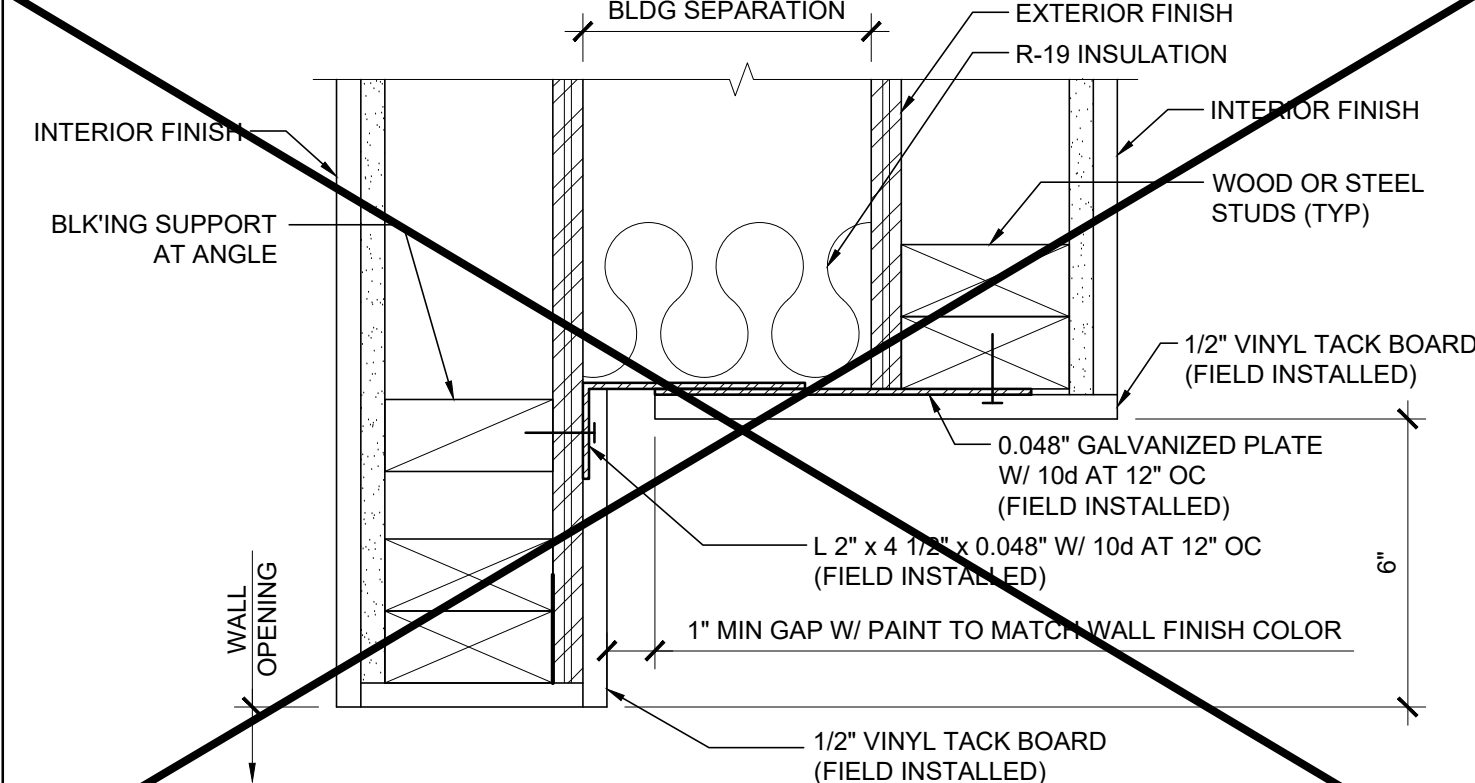


T.V. BLOCKING ATTACHMENT AT WOOD STUD SCALE: 1/2" = 1'-0" 16

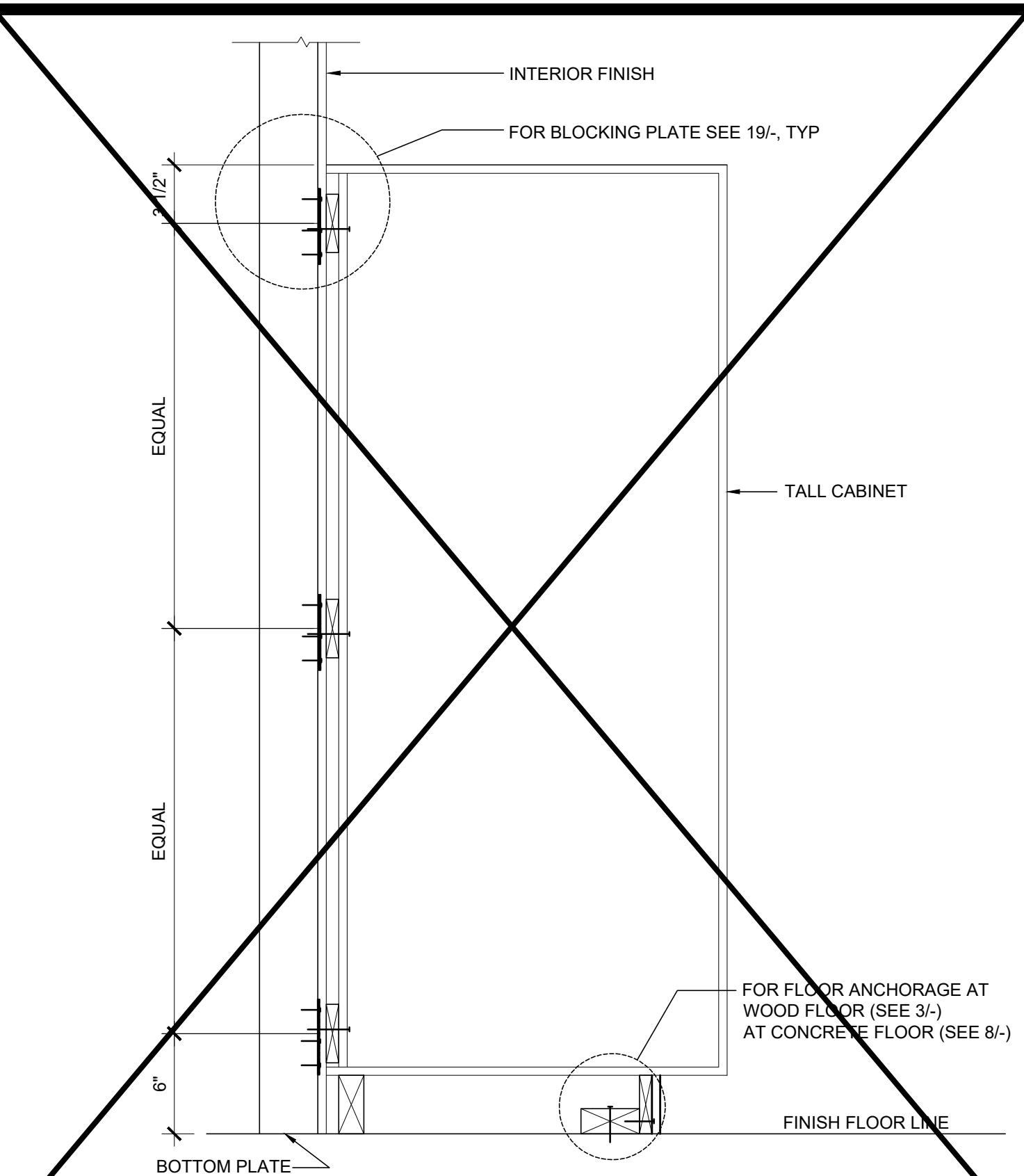
NOT USED 11



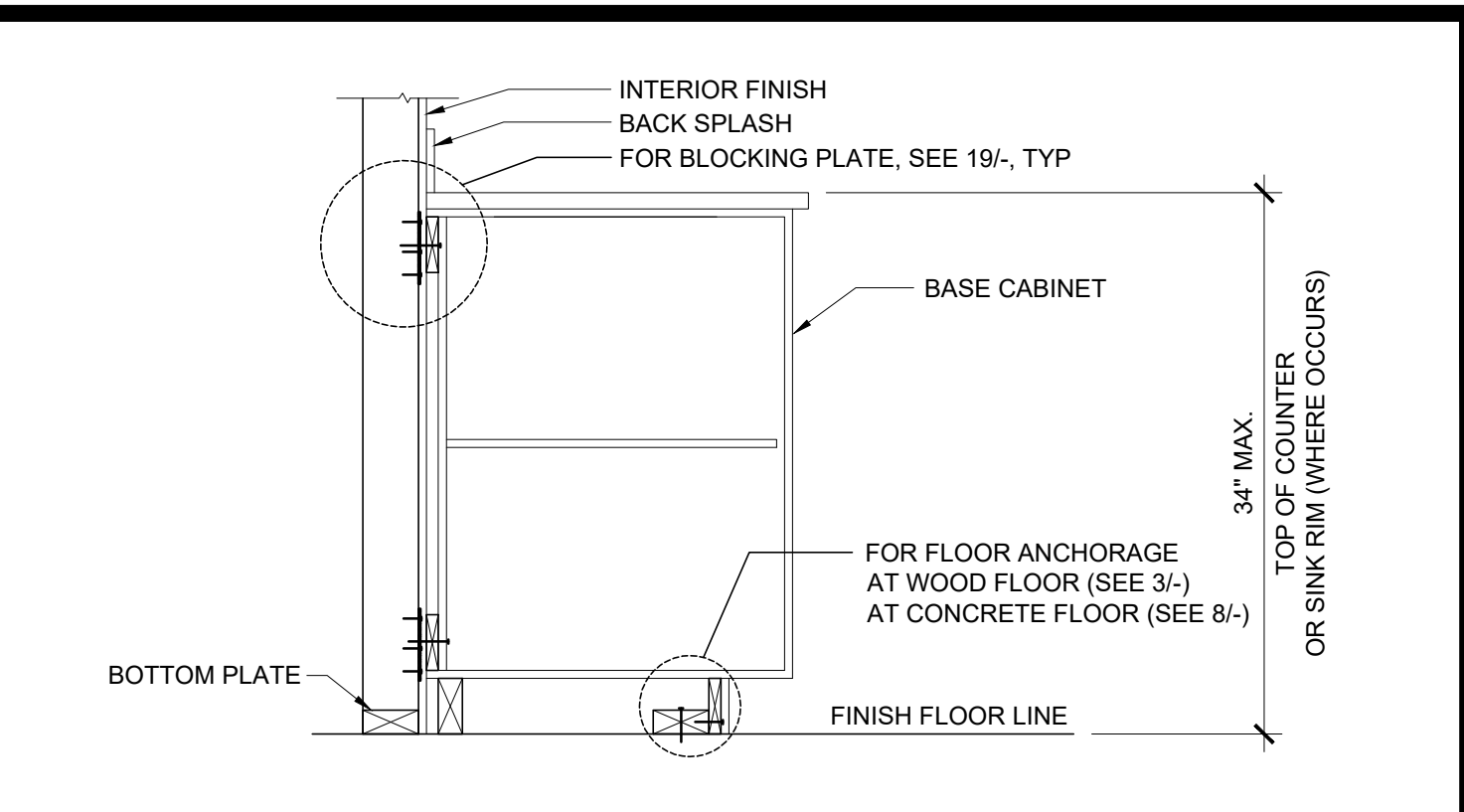
T.V. BLOCKING ATTACHMENT AT STEEL STUD SCALE: 1/2" = 1'-0" 17



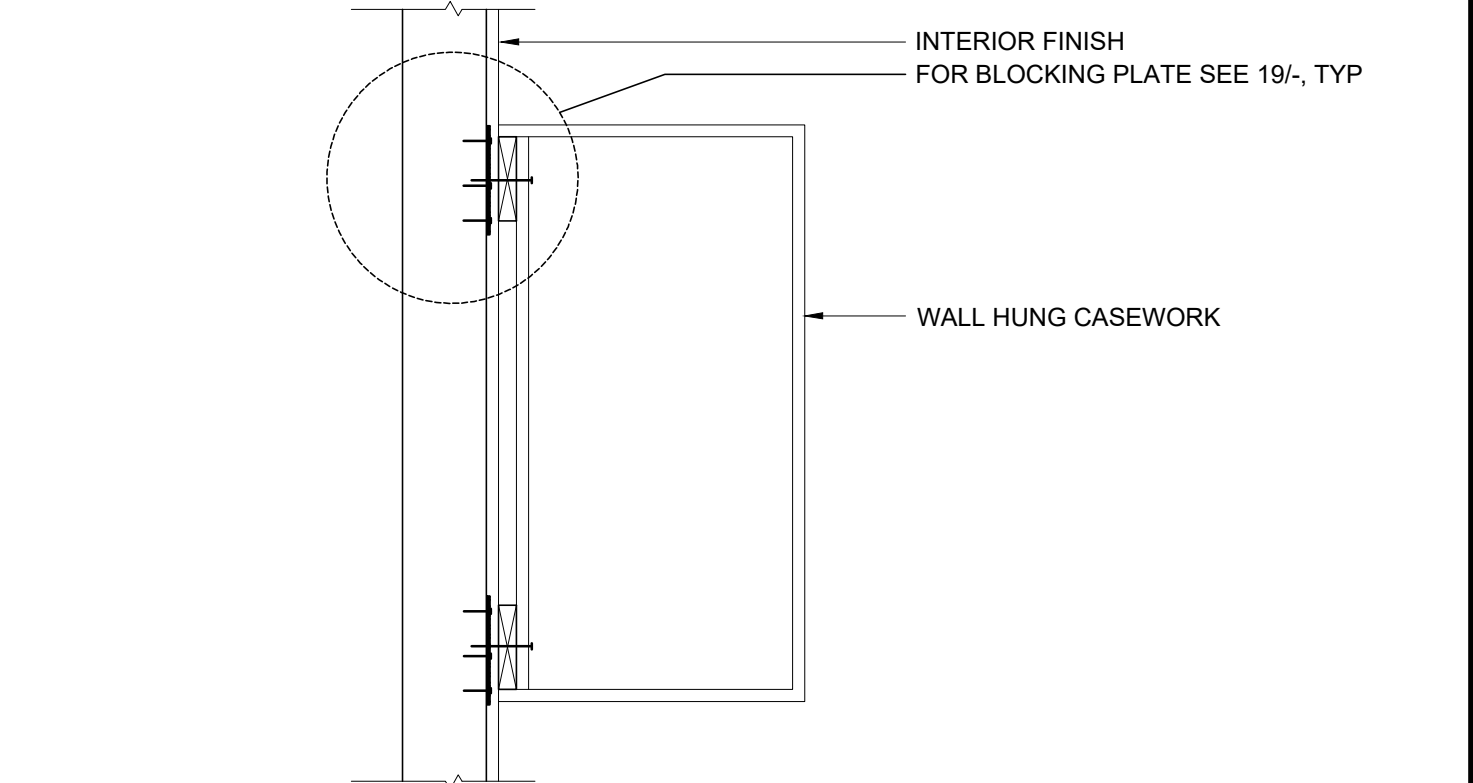
WALL OPENING AT HEADER AND JAMB SCALE: 3/8" = 1'-0" 12



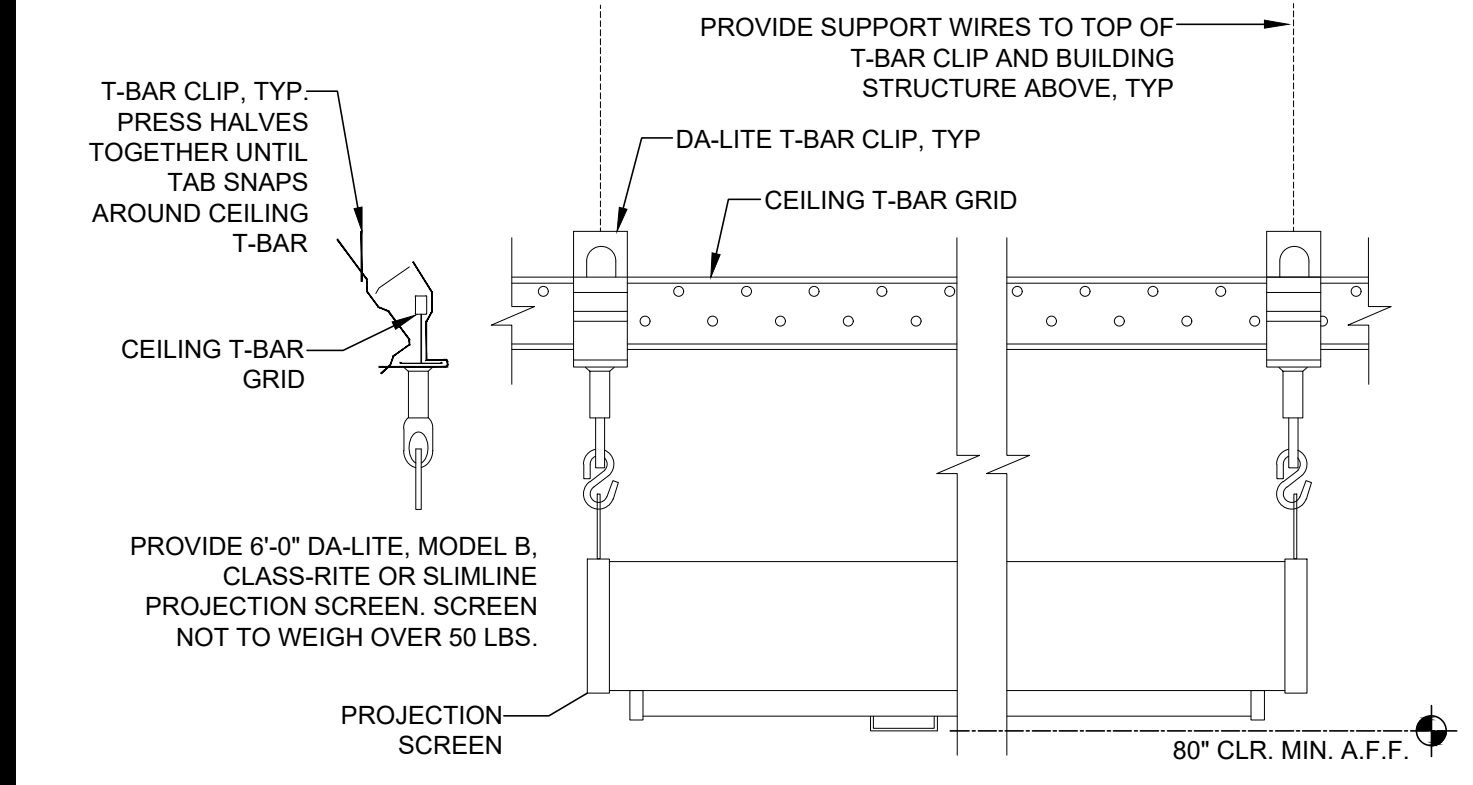
TALL CABINET WALL ANCHORAGE SCALE: 1 1/2" = 1'-0" 7



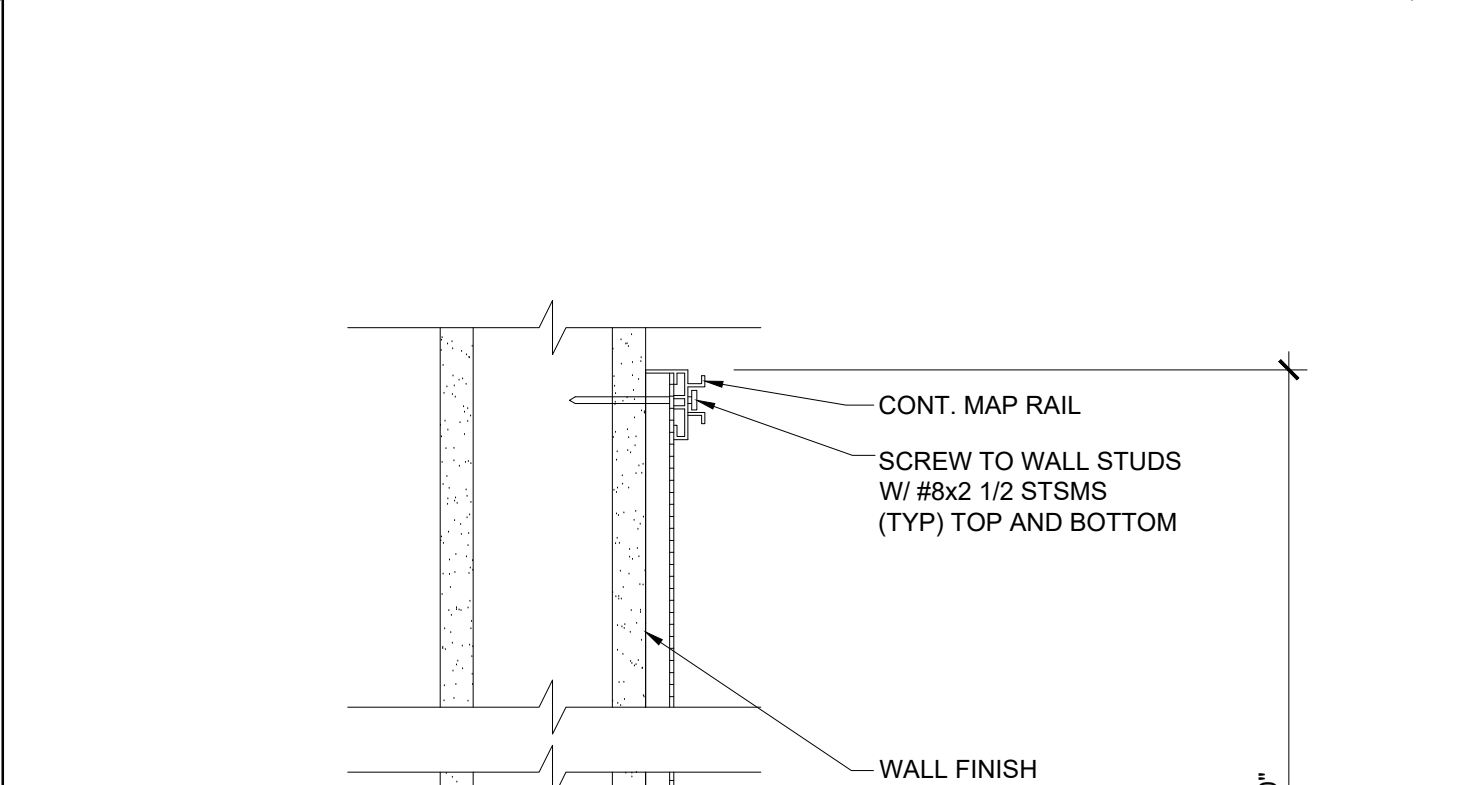
BASE CABINET WALL ANCHORAGE SCALE: 1" = 1'-0" 1



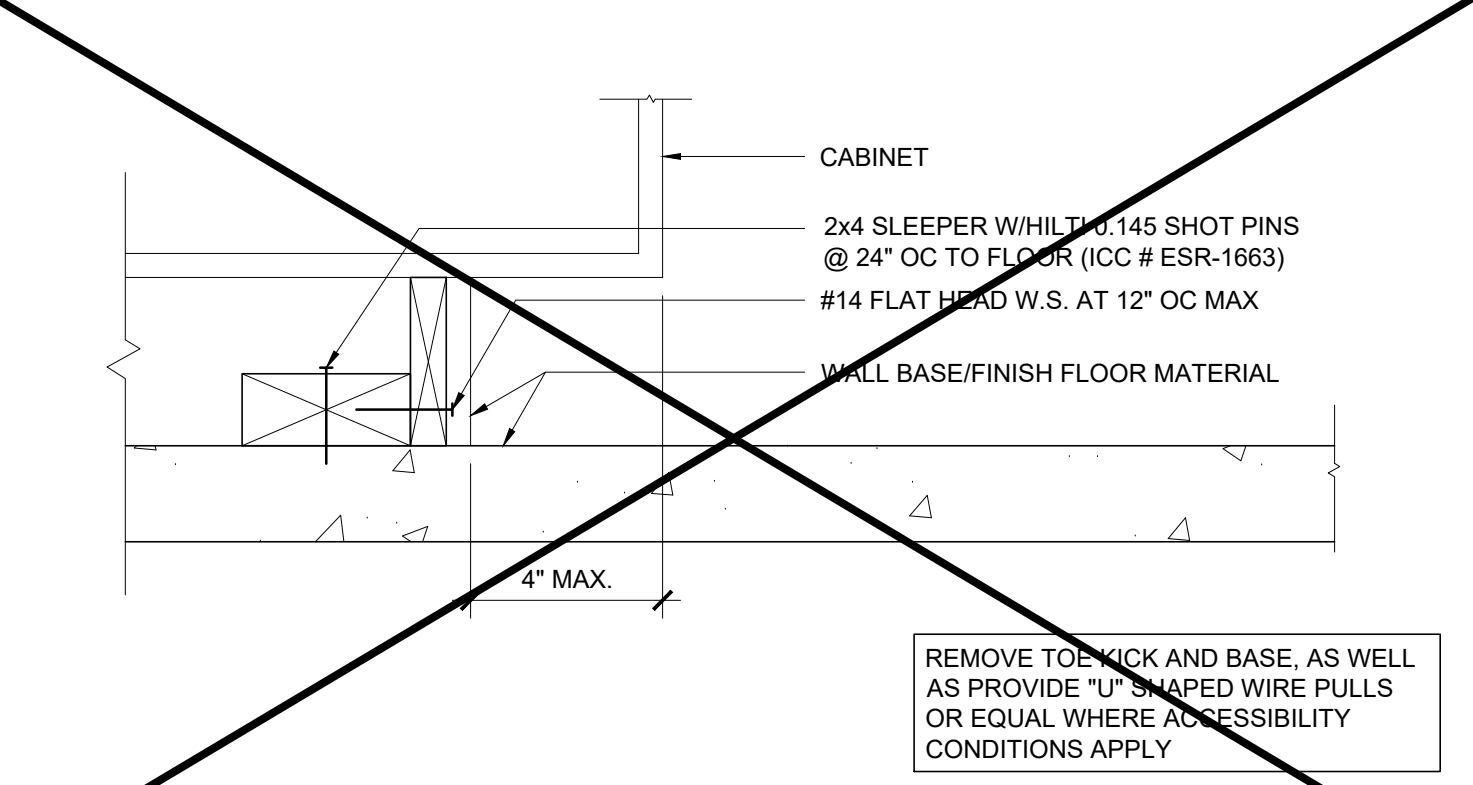
WALL HUNG ANCHORAGE CABINET SCALE: 1 1/2" = 1'-0" 2



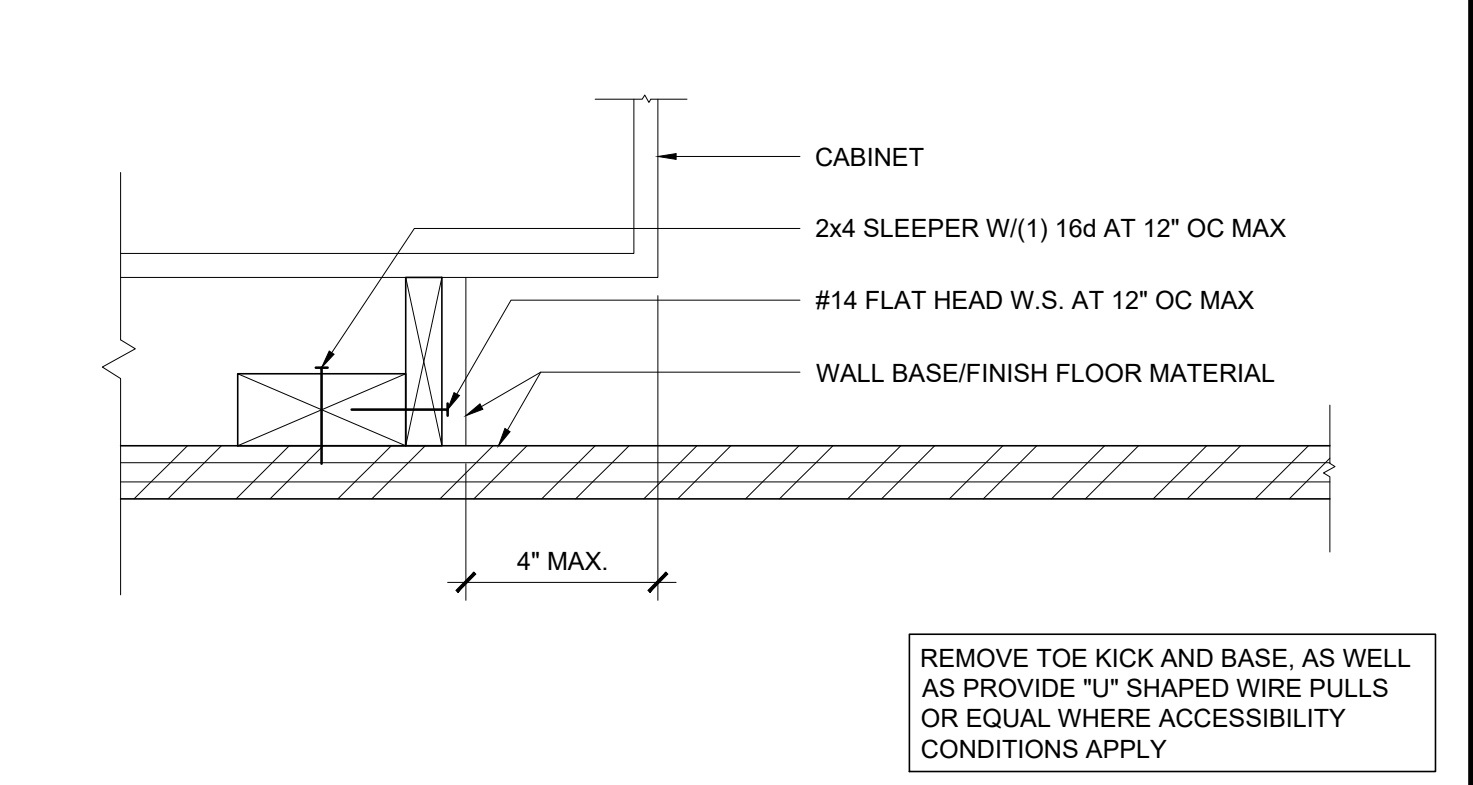
PROJECTION SCREEN MOUNTING SCALE: NTS 18



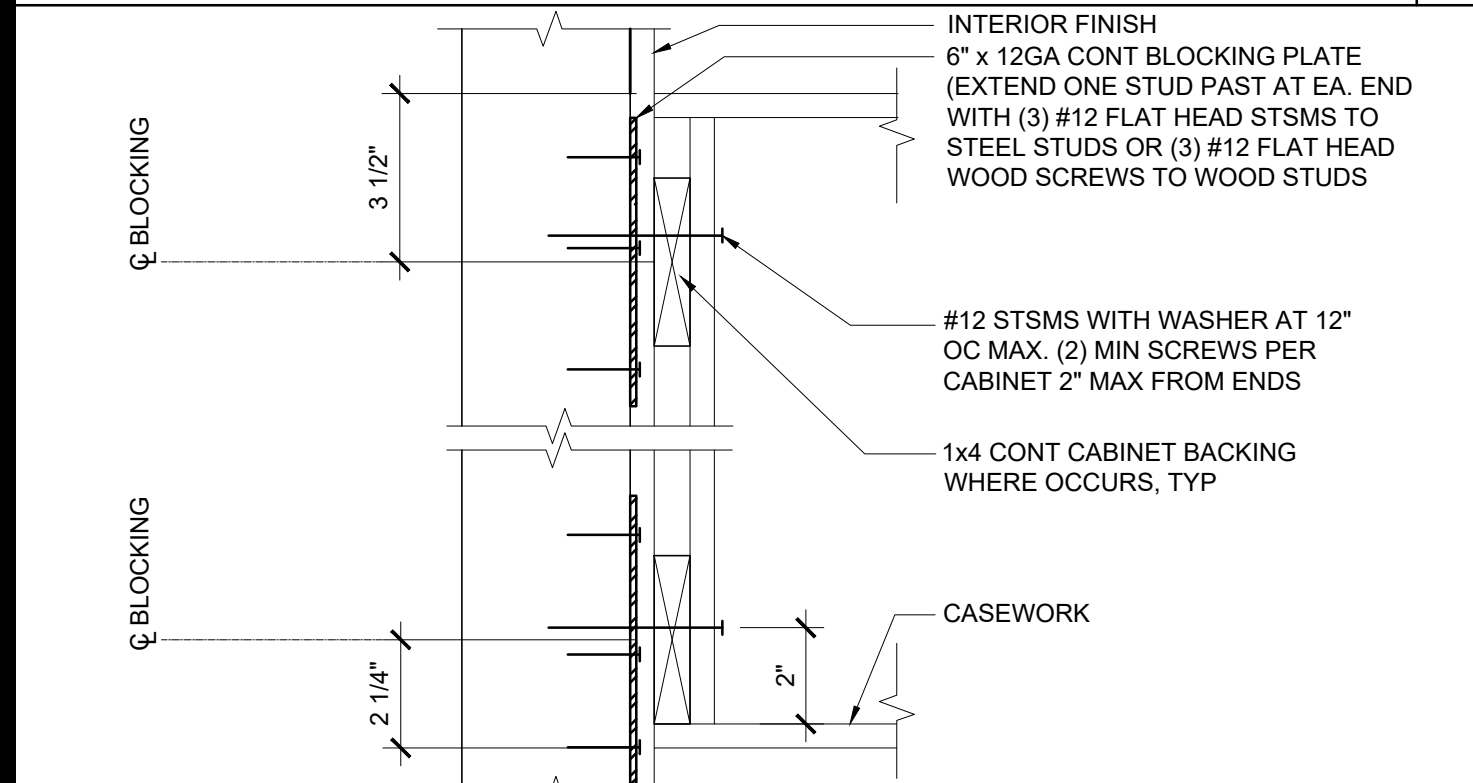
MARKER BOARD ATTACHMENT SCALE: 3" = 1'-0" 14



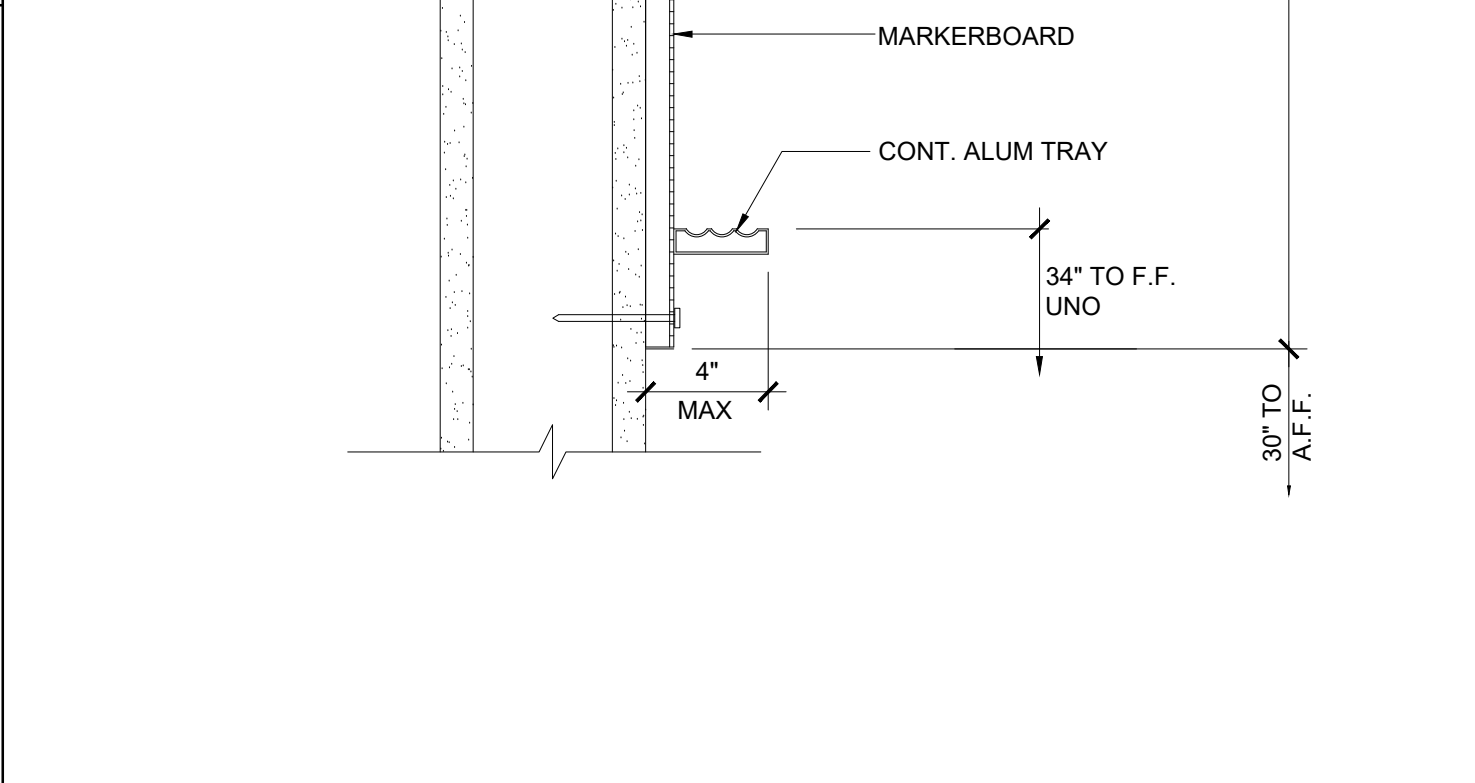
ATTACHMENT TO BLOCKING - CONC. FLOOR SCALE: 3" = 1'-0" 8



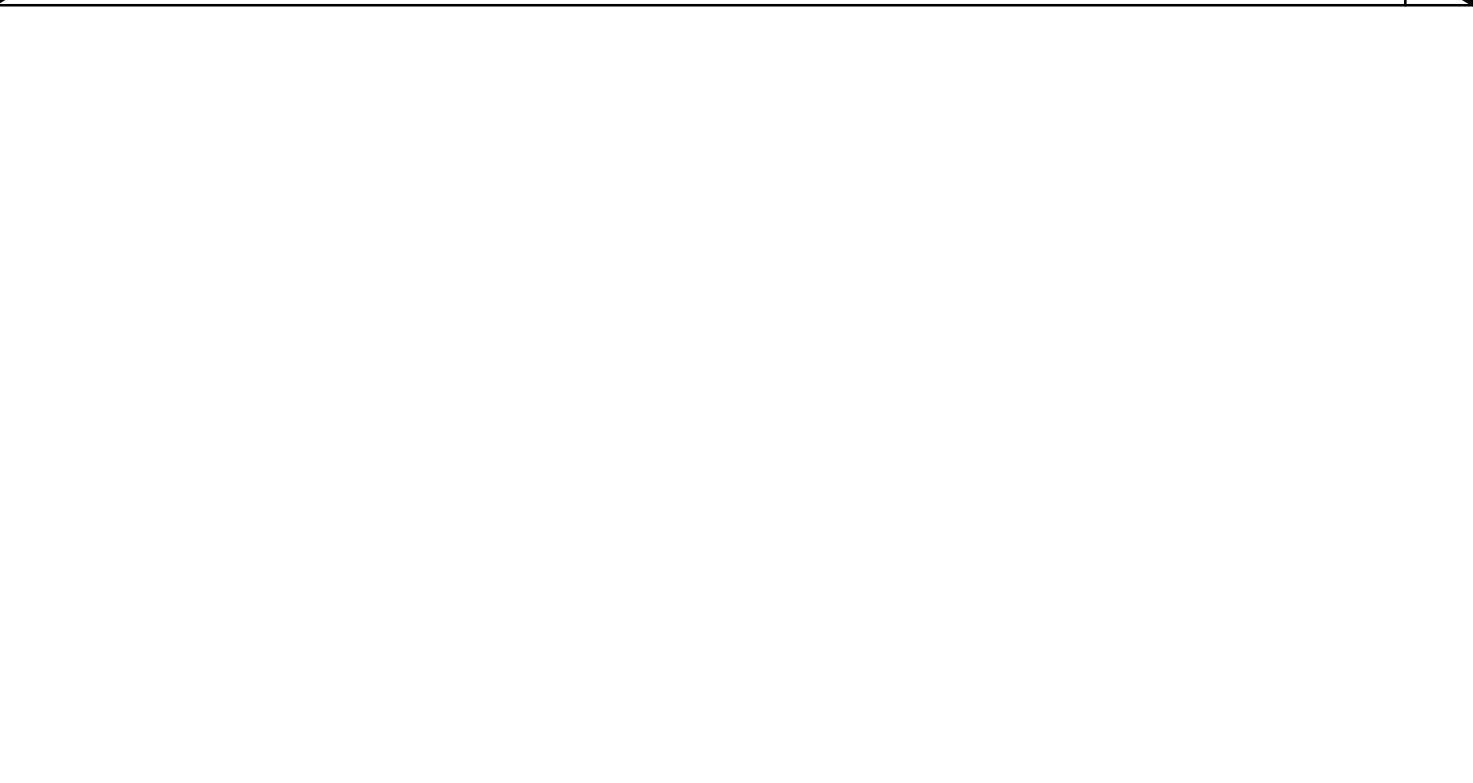
ATTACHMENT TO BLOCKING - WOOD FLOOR SCALE: 3" = 1'-0" 3



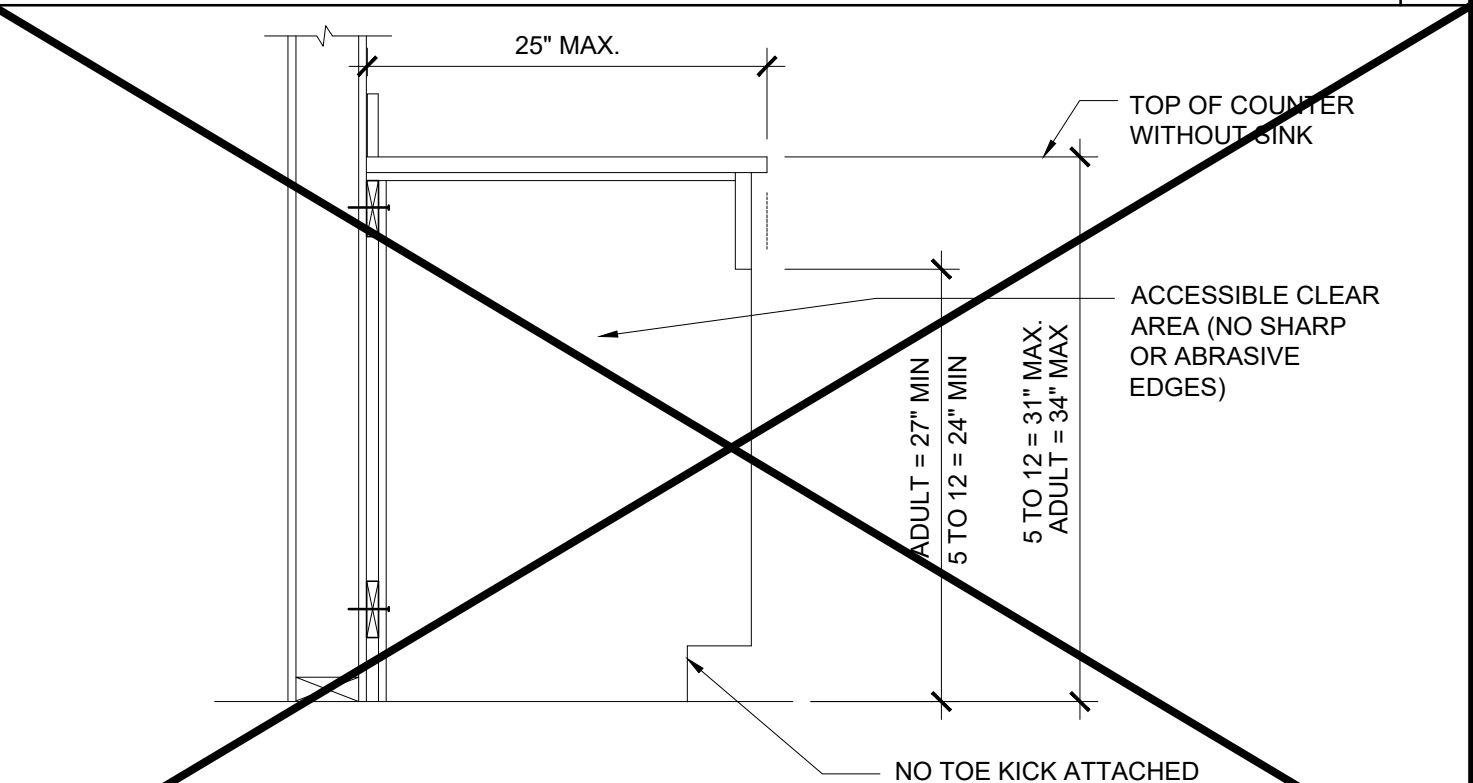
ATTACHMENT TO BLOCKING PLATE SCALE: 3" = 1'-0" 19



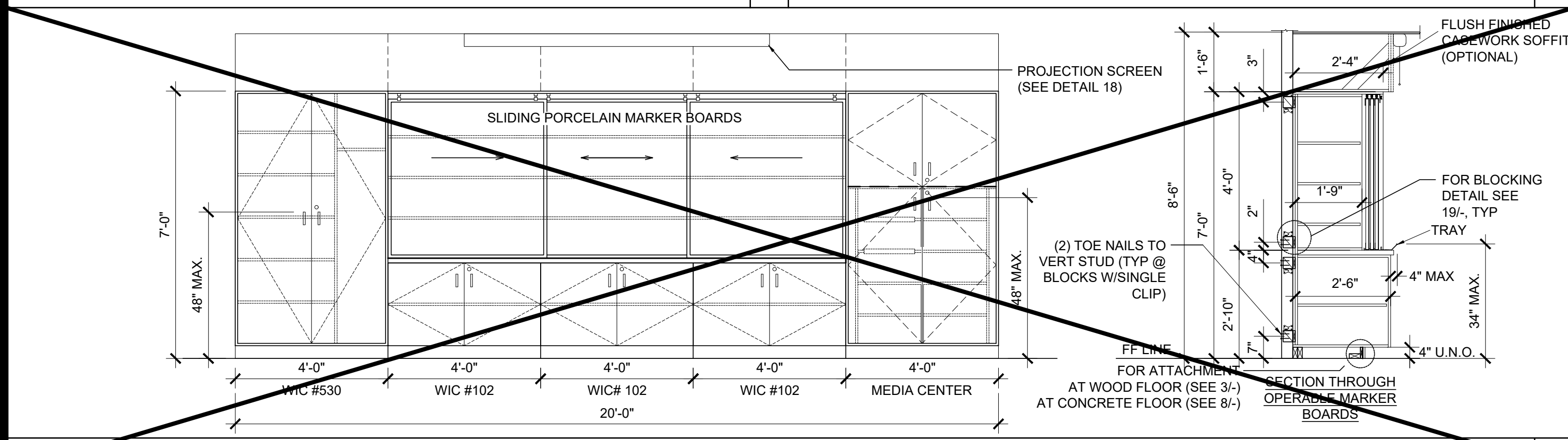
ACCESSIBLE COUNTER SCALE: 1" = 1'-0" 4



NOT USED 10



NOT USED 5



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

NOT USED 10

NOT USED 5

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122155 INC:  
REVIEWED FOR  
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DATE: 3/5/2024

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

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

REVISIONS

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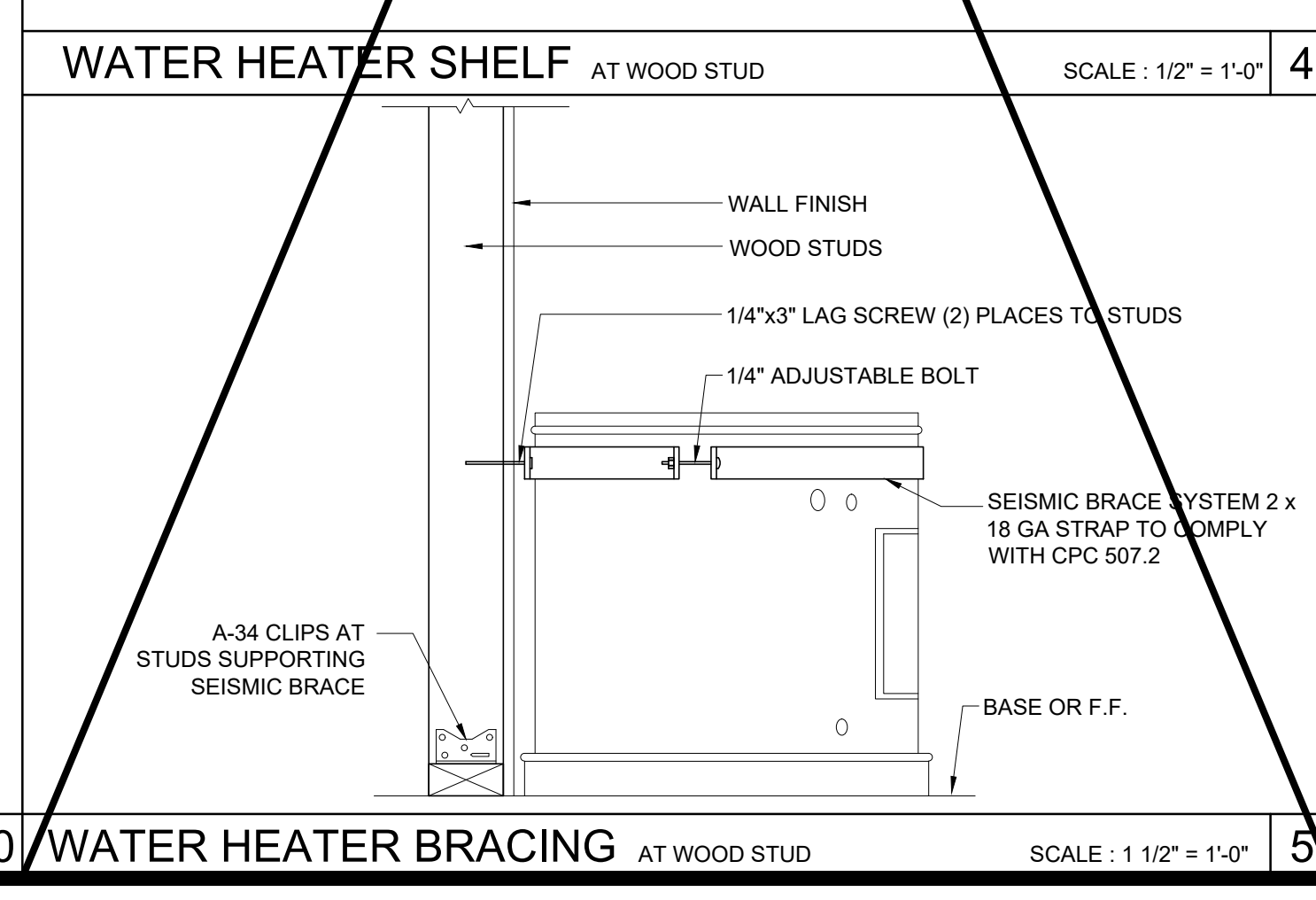
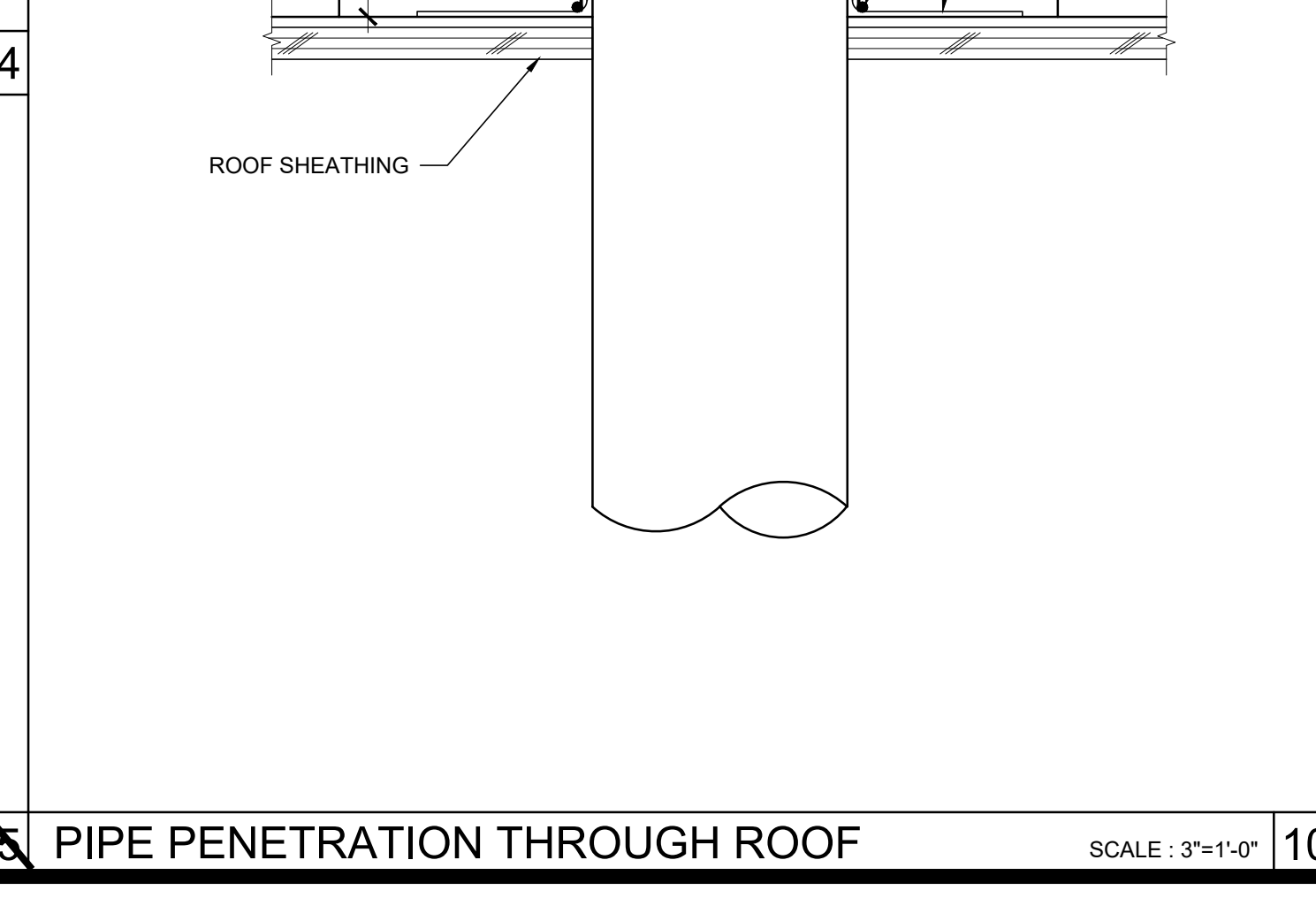
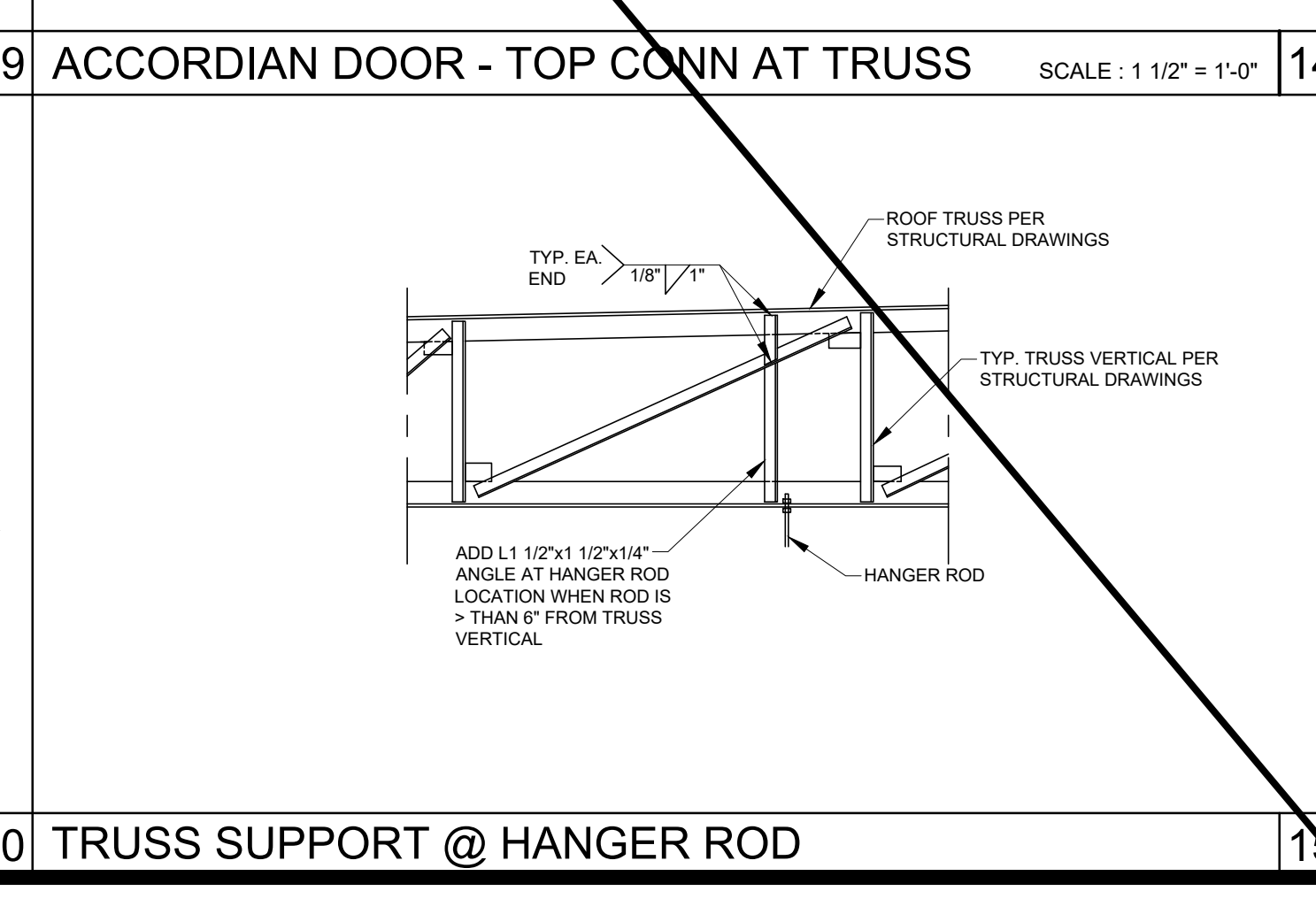
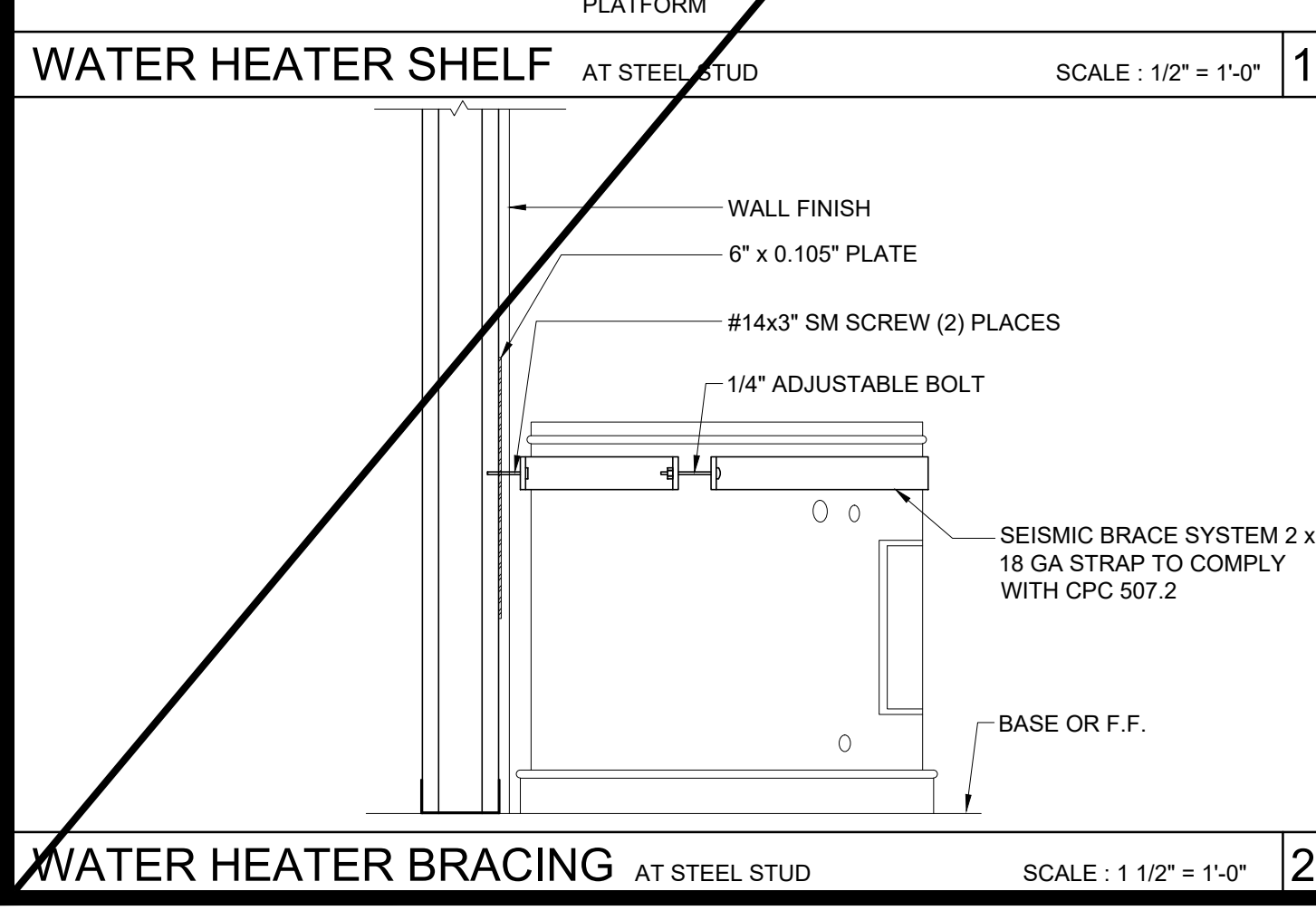
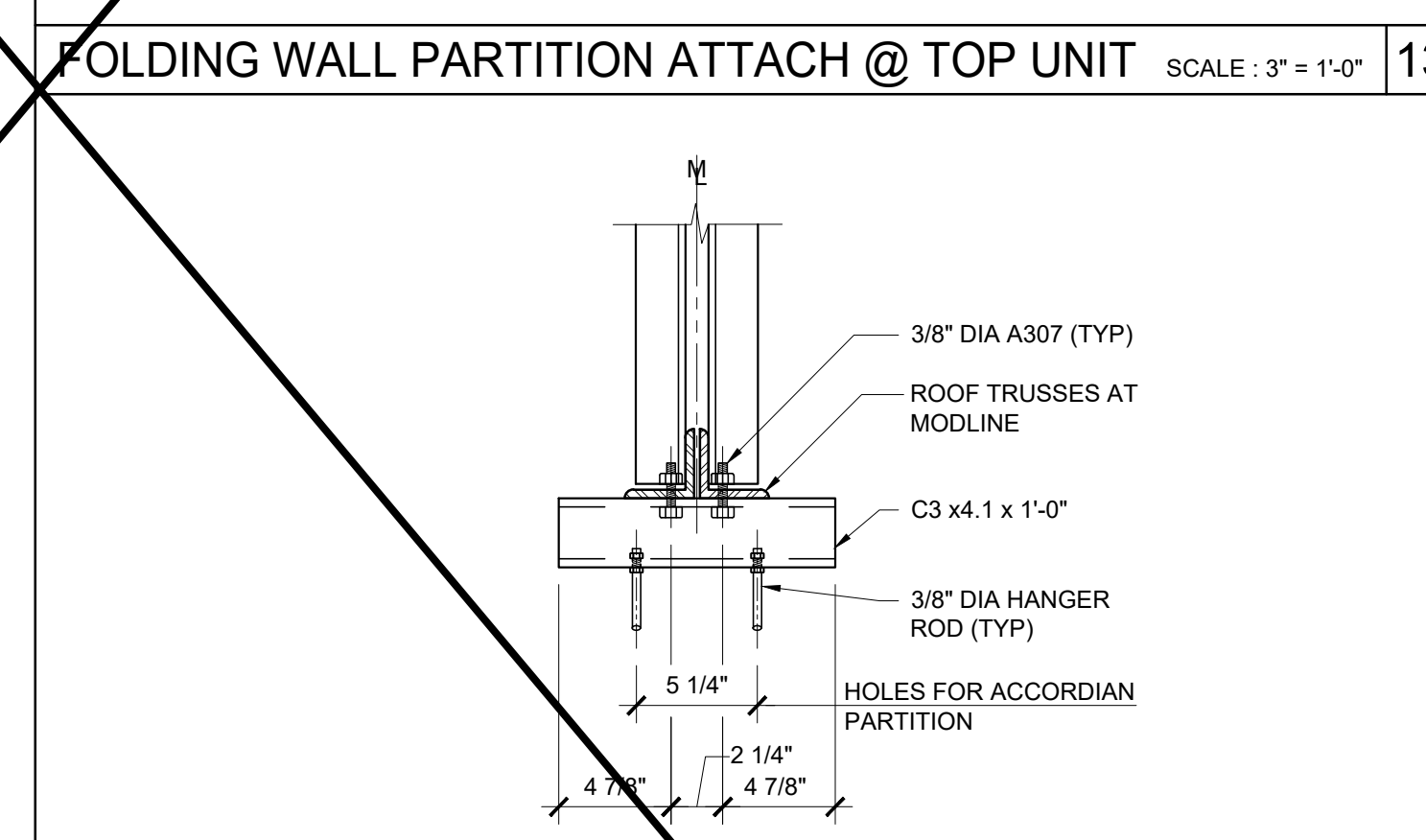
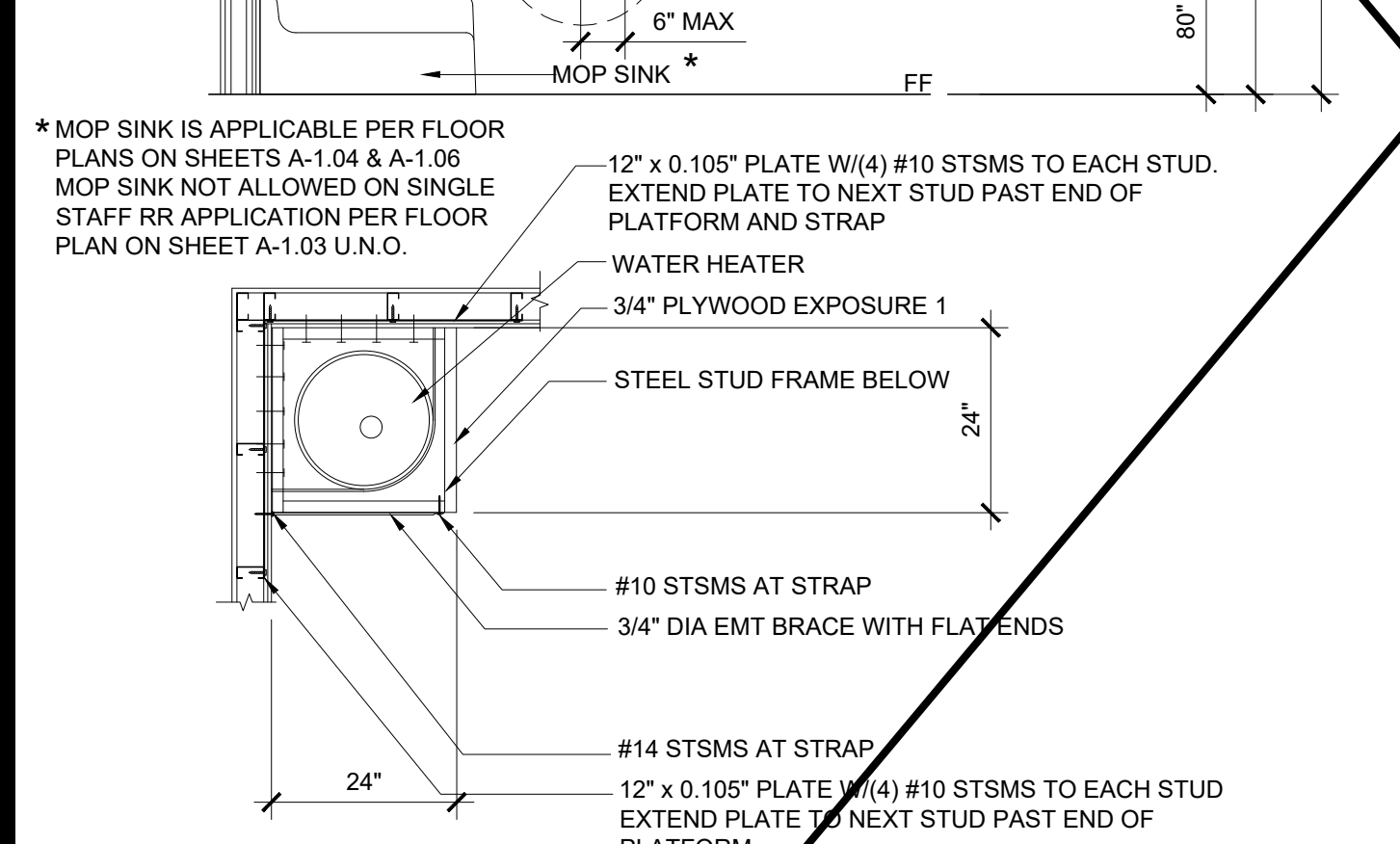
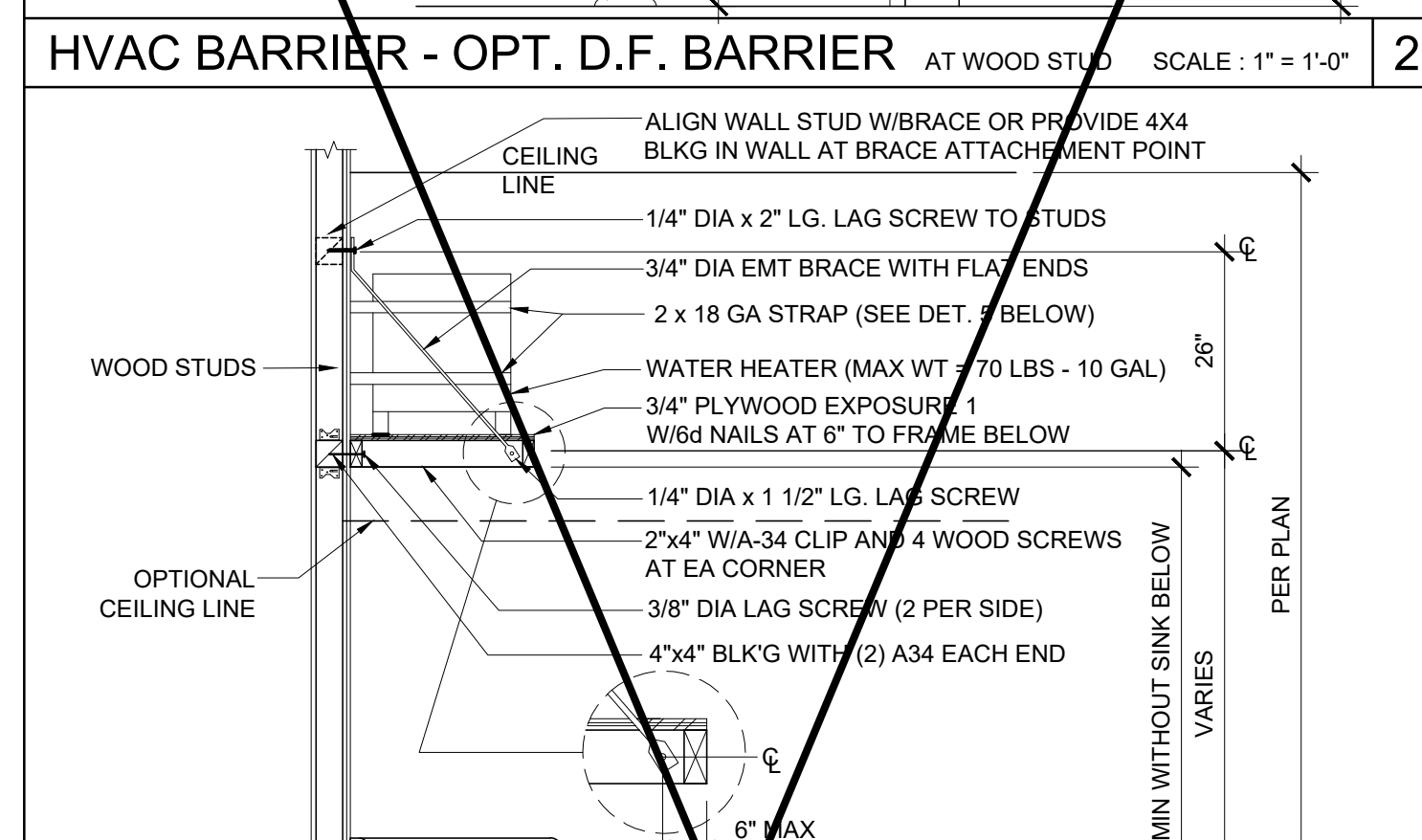
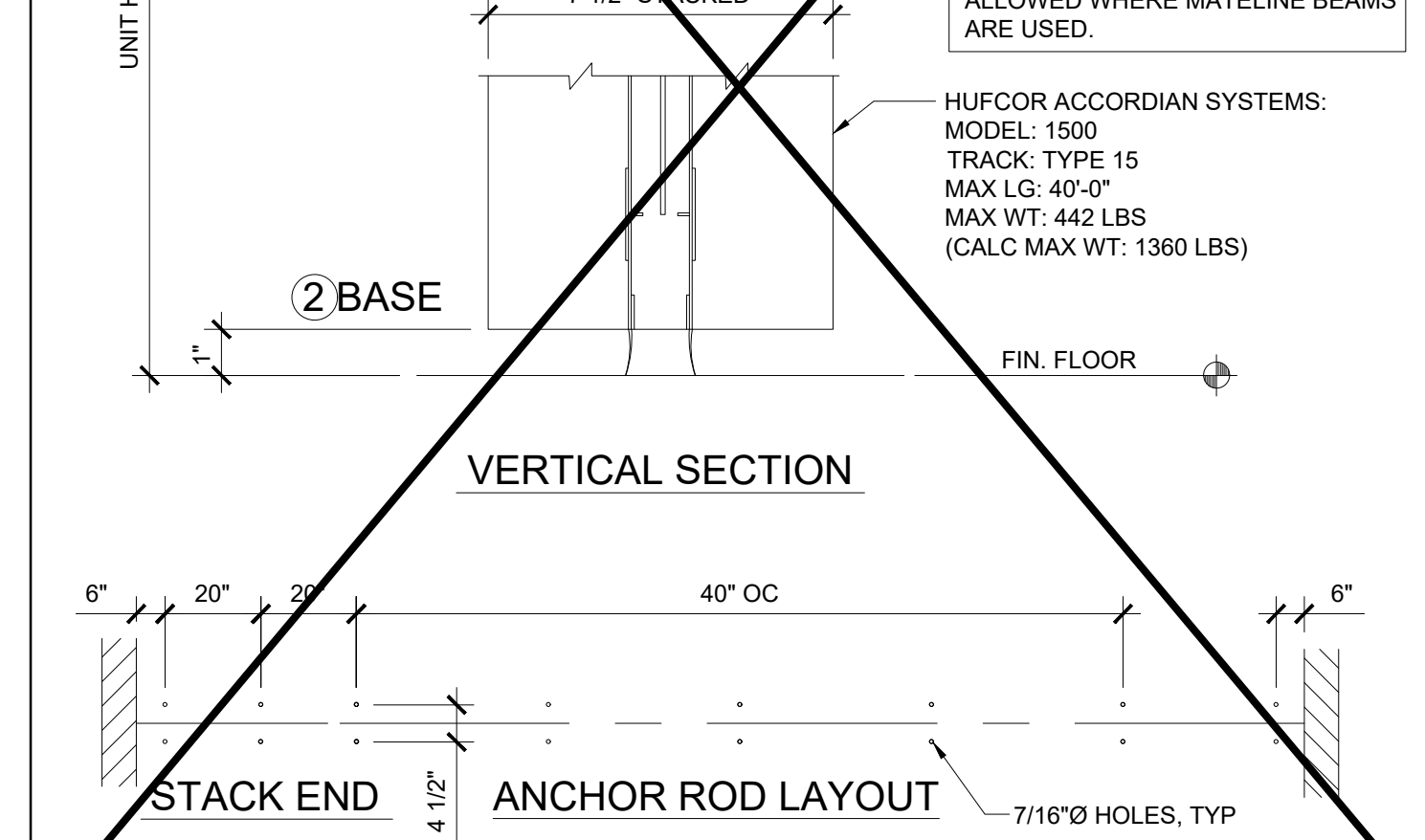
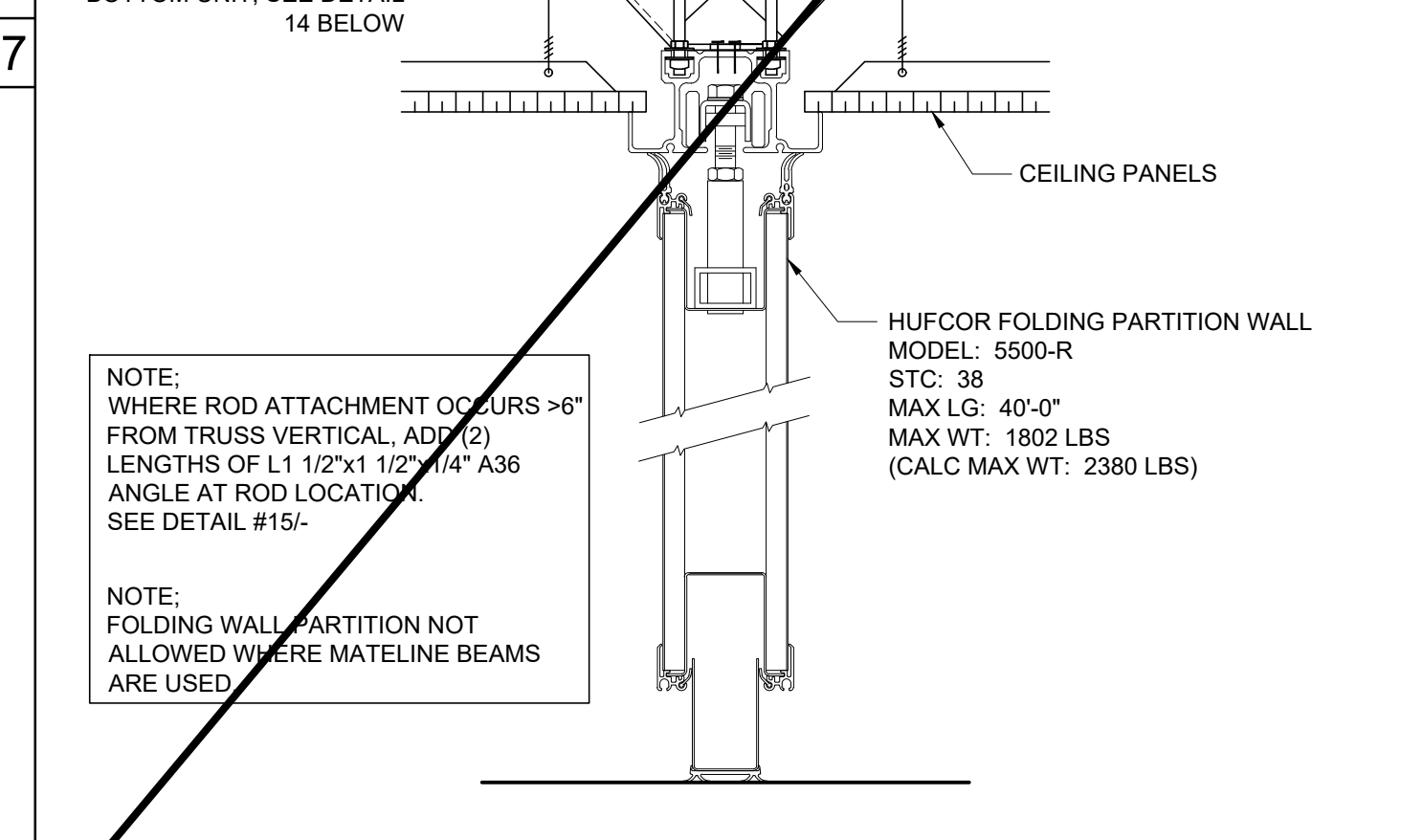
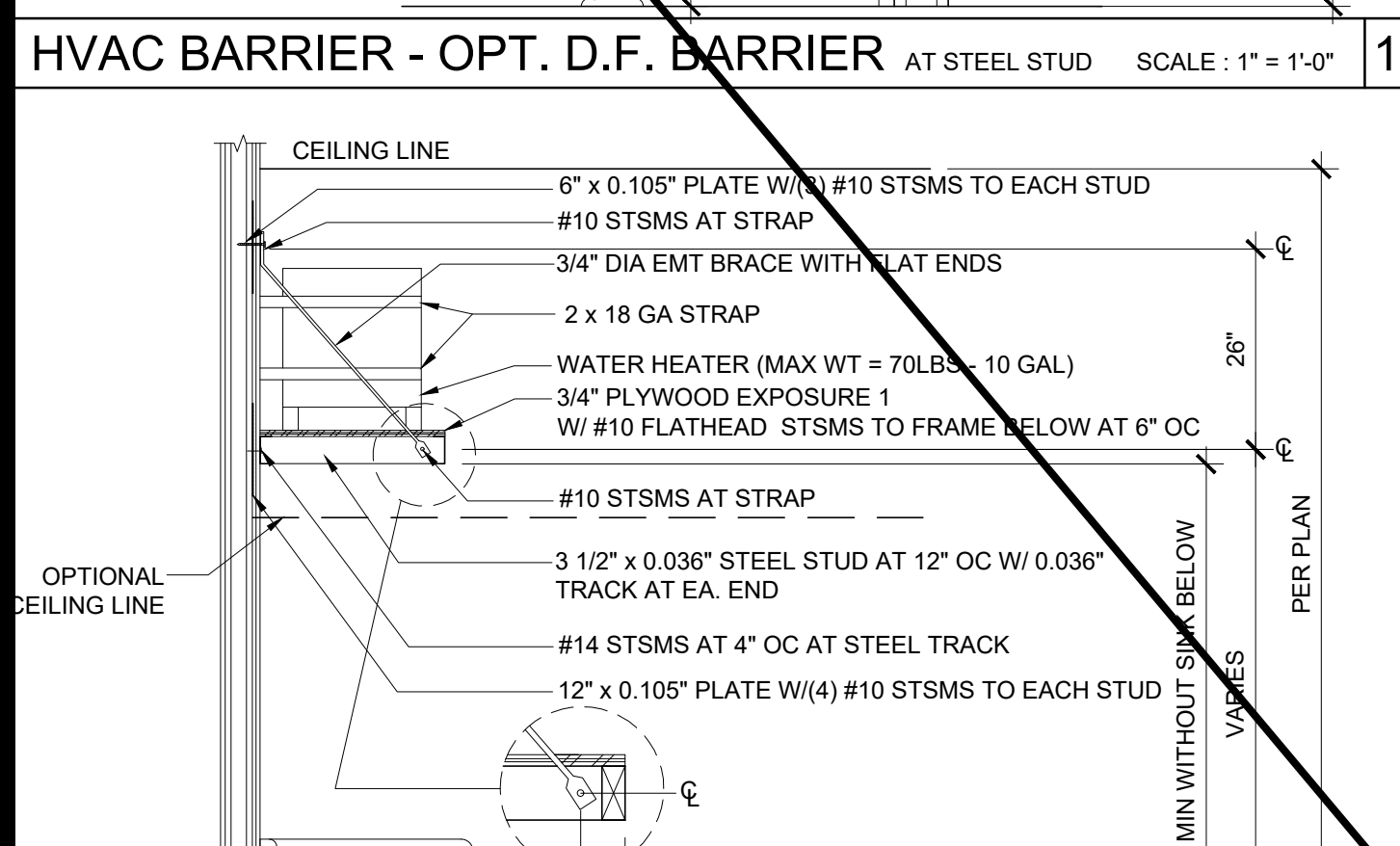
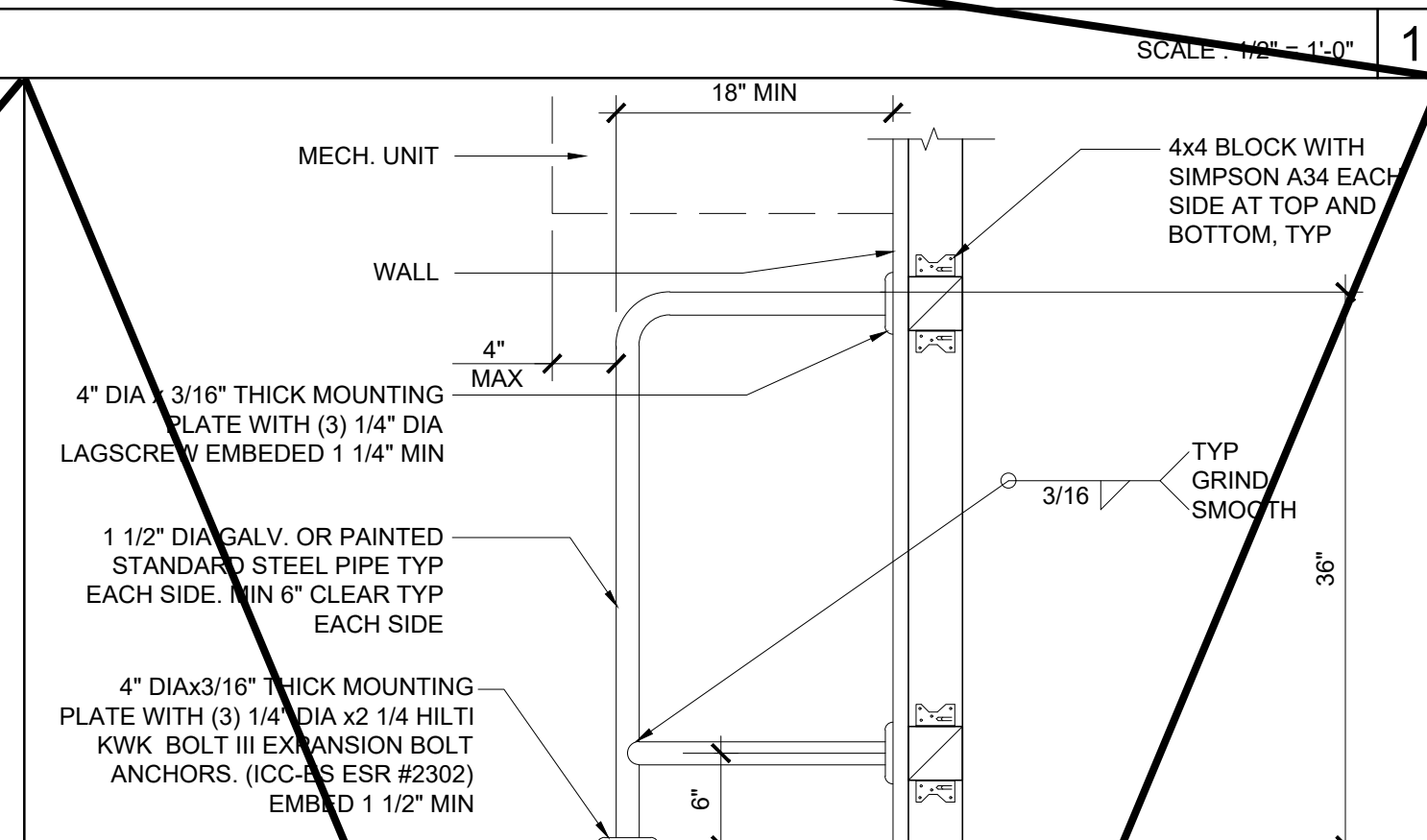
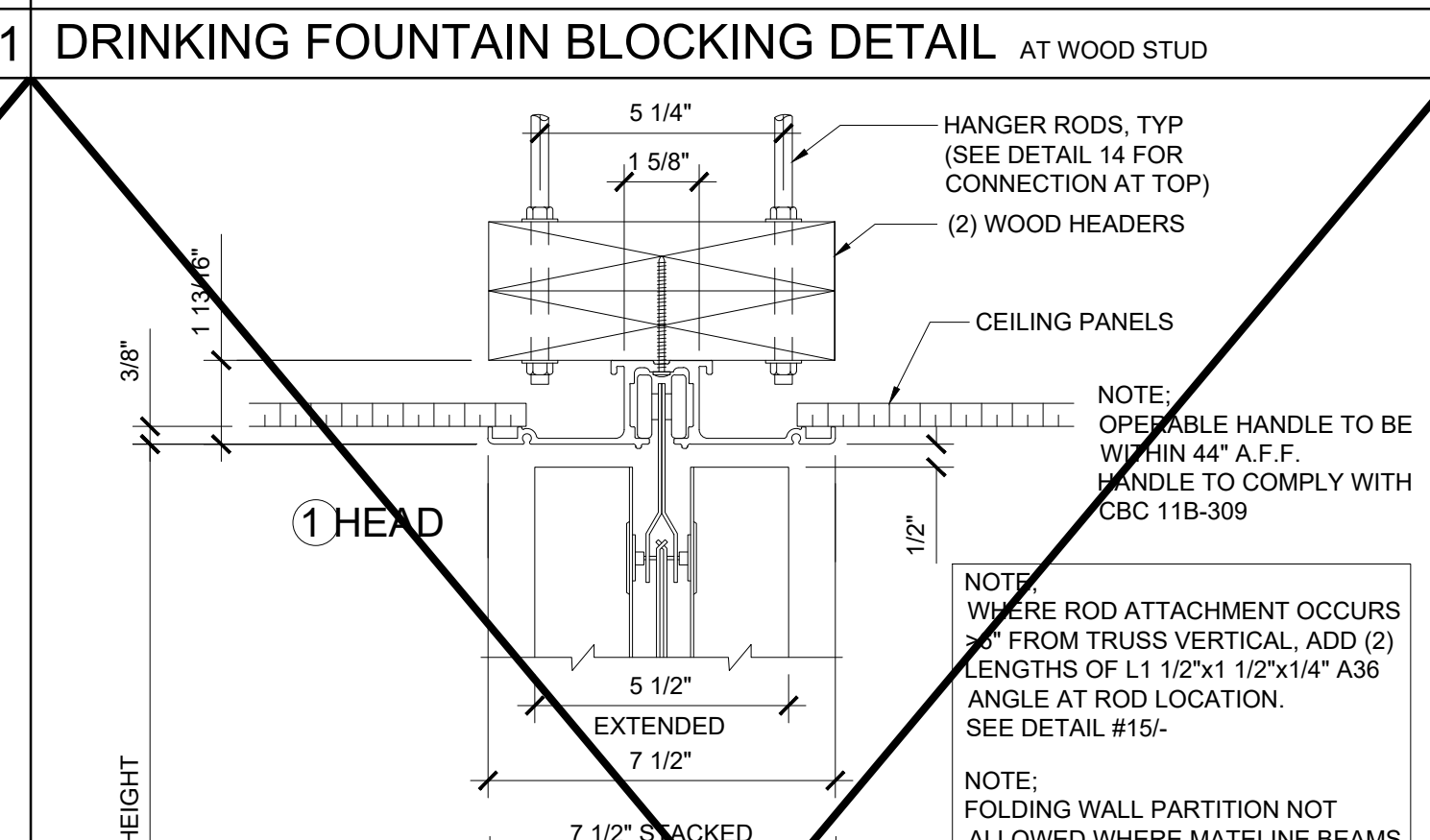
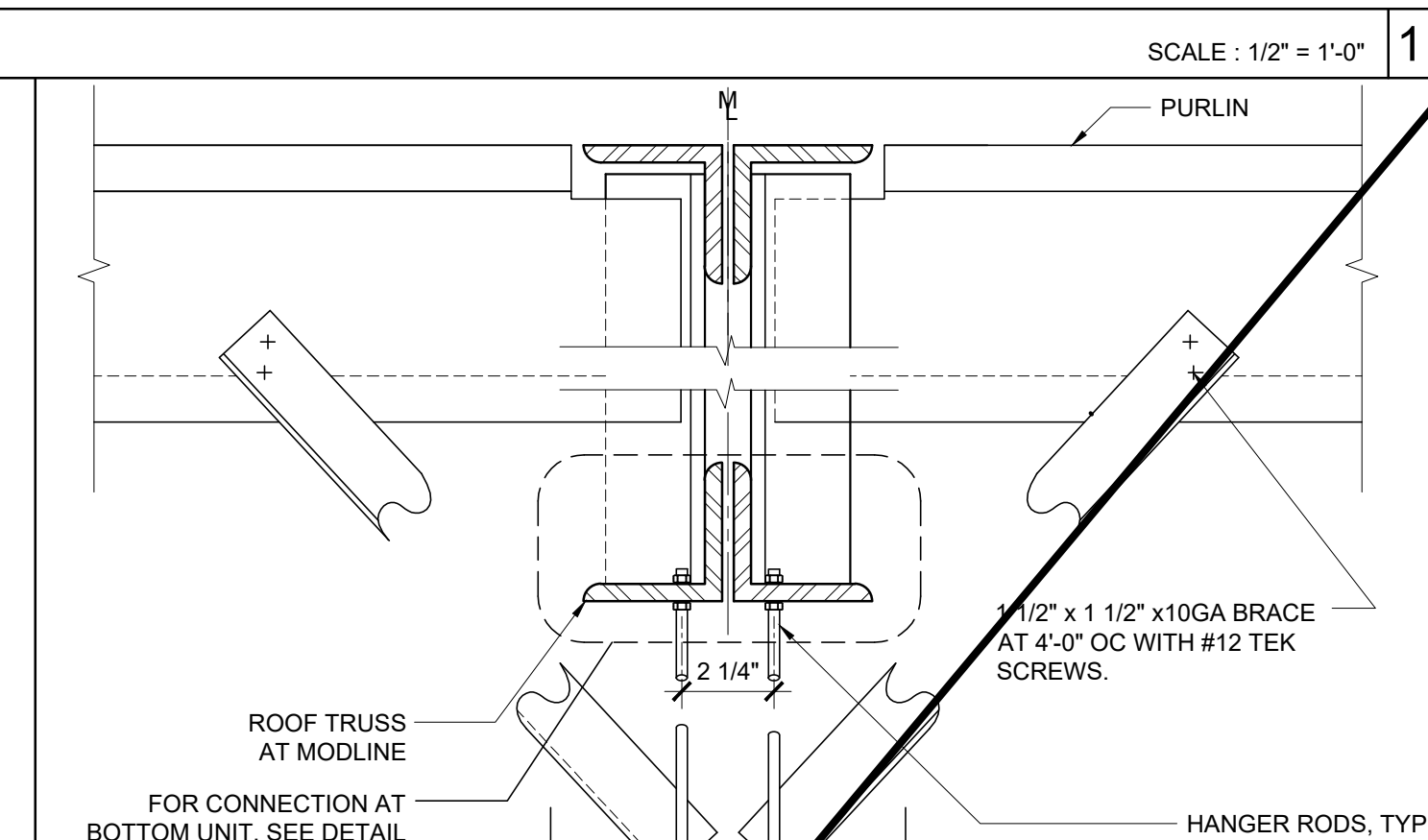
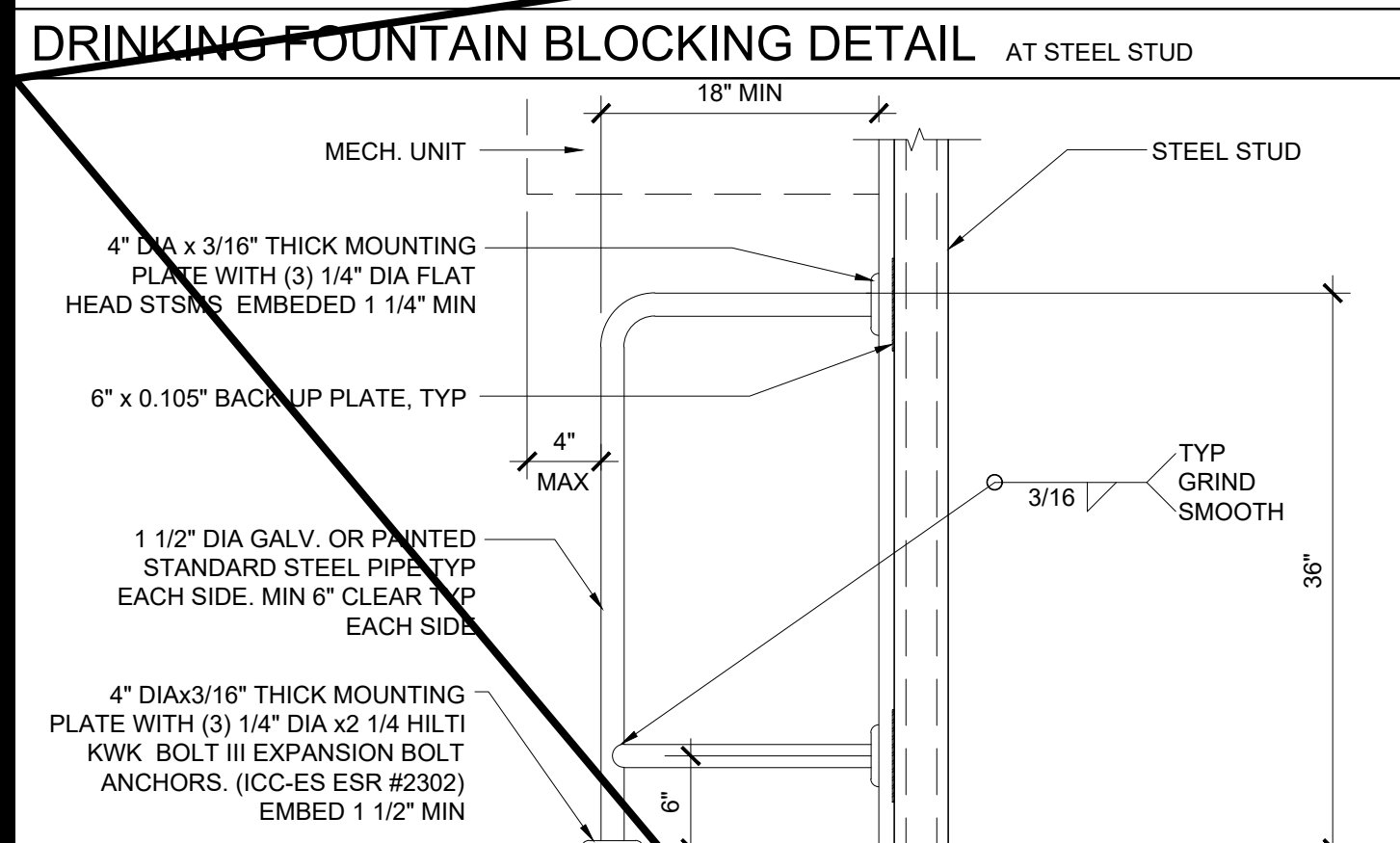
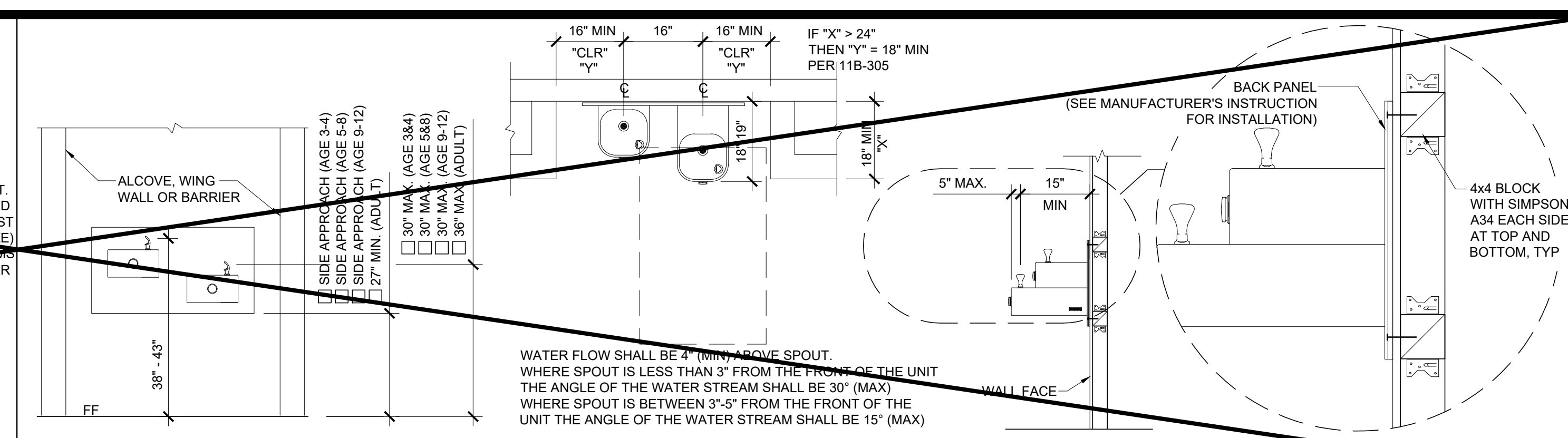
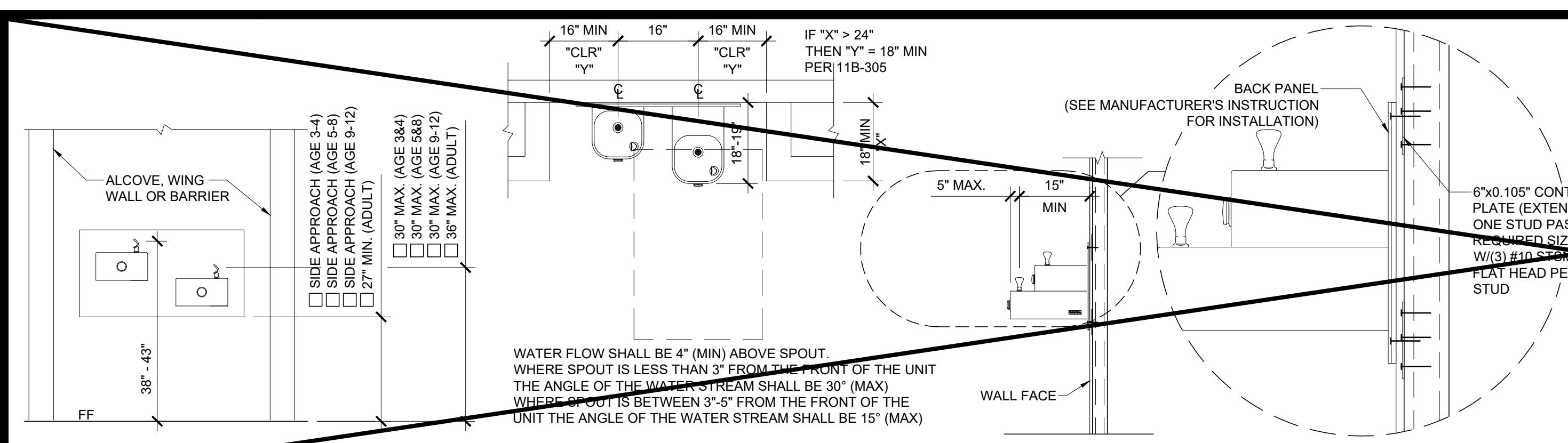
PC STATE AGENCY APPROVAL



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  
**A-5.80**



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DATE: 3/5/2024

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

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

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  
**A-5.81**

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

SHEET TITLE:  
**INTERIOR ELEVATION  
 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

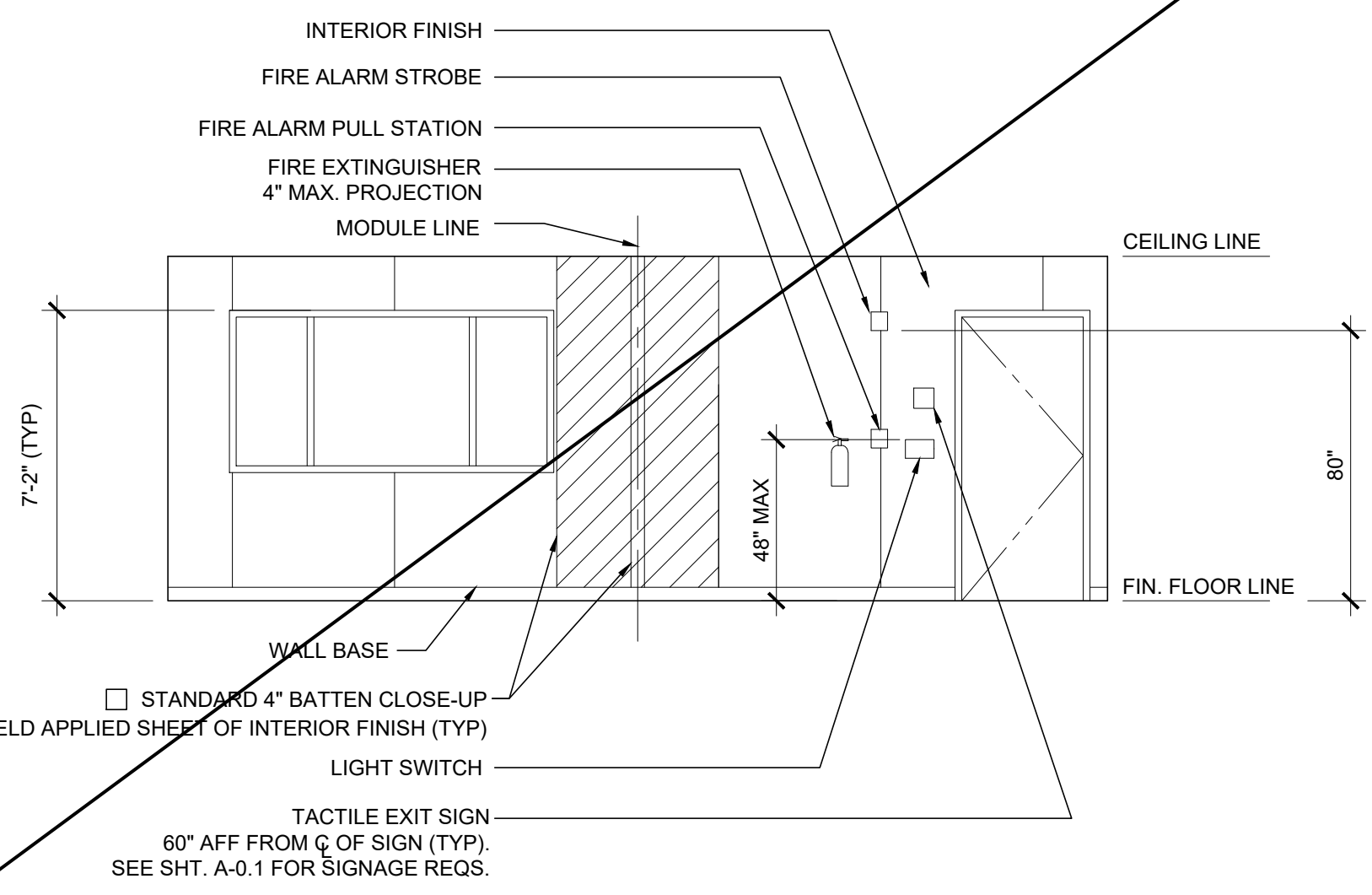
MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES  
 24' x 40' PC

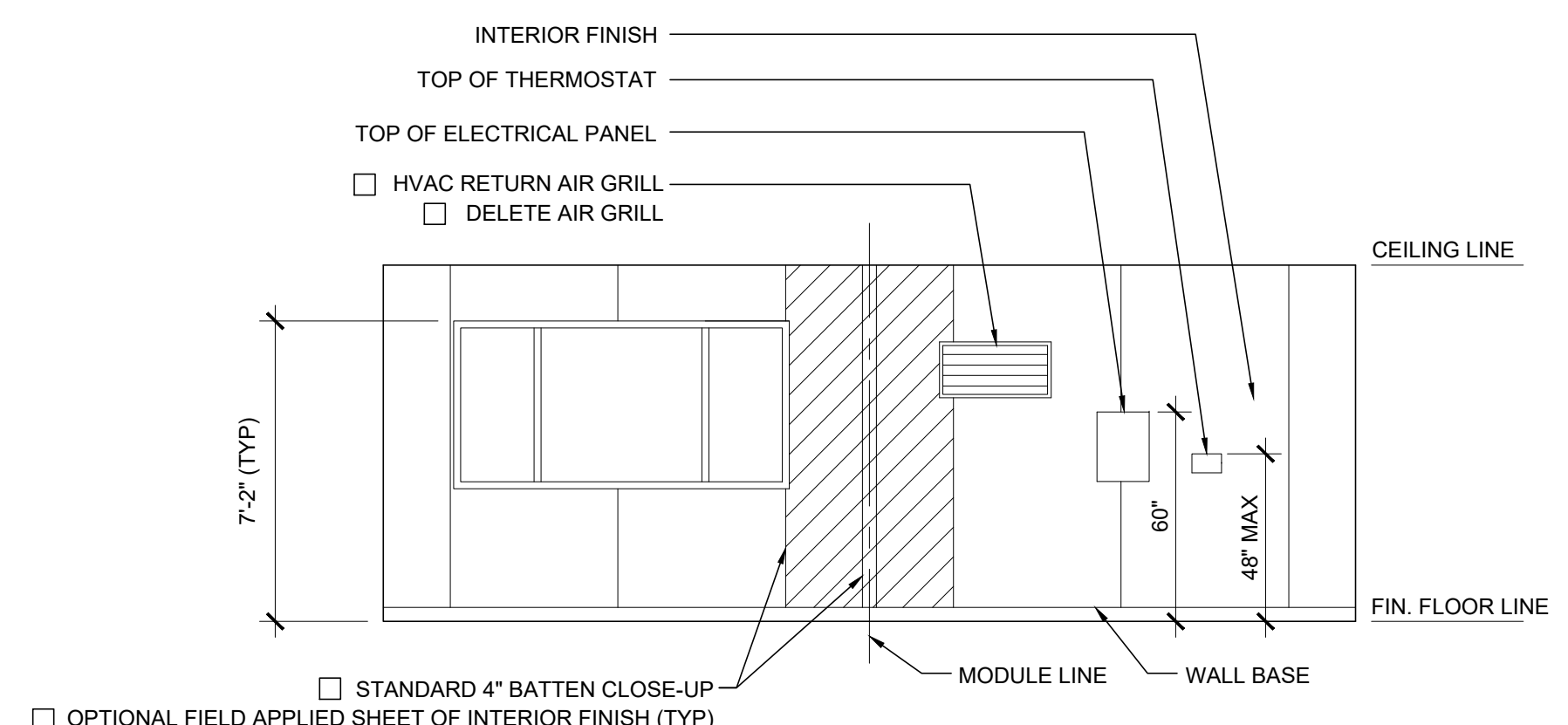
PROJECT NO:  
 DRAWN BY:  
 SCALE: AS NOTED  
 DATE: 02-27-2023

P.C. SHEET NUMBER  
**A-6.01**



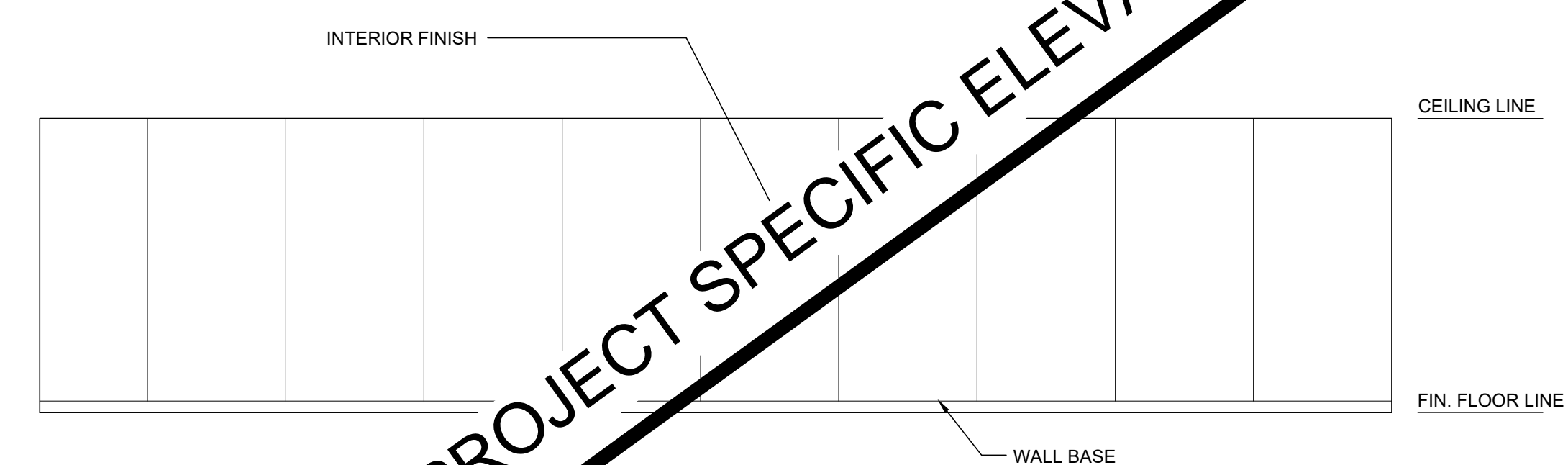
FRONT ELEVATION

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



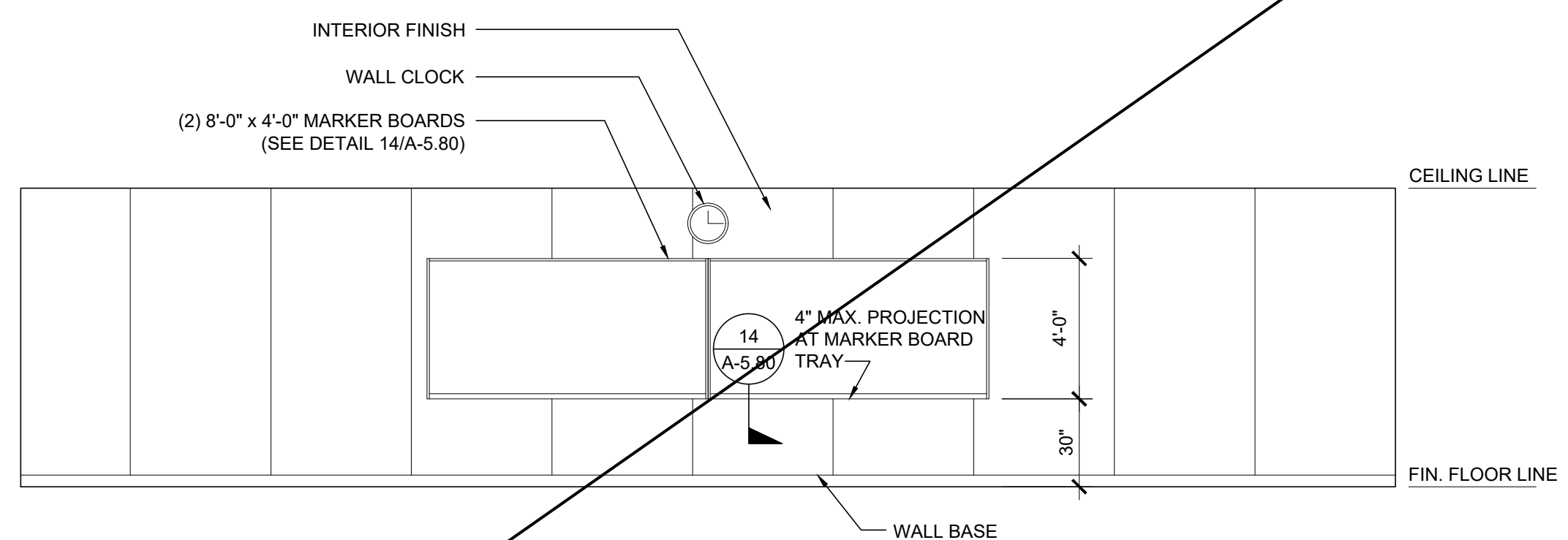
REAR ELEVATION

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



SIDE ELEVATION

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

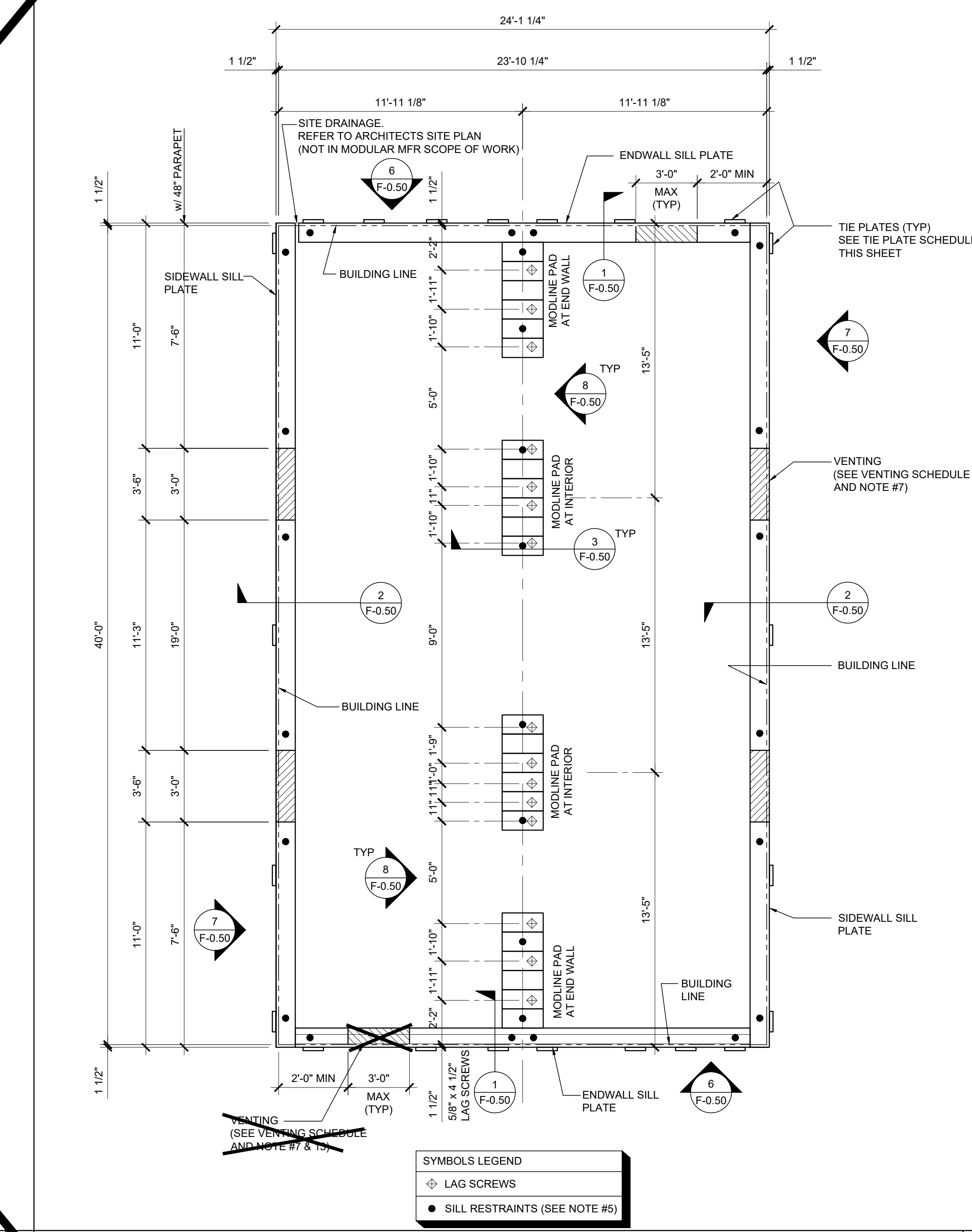
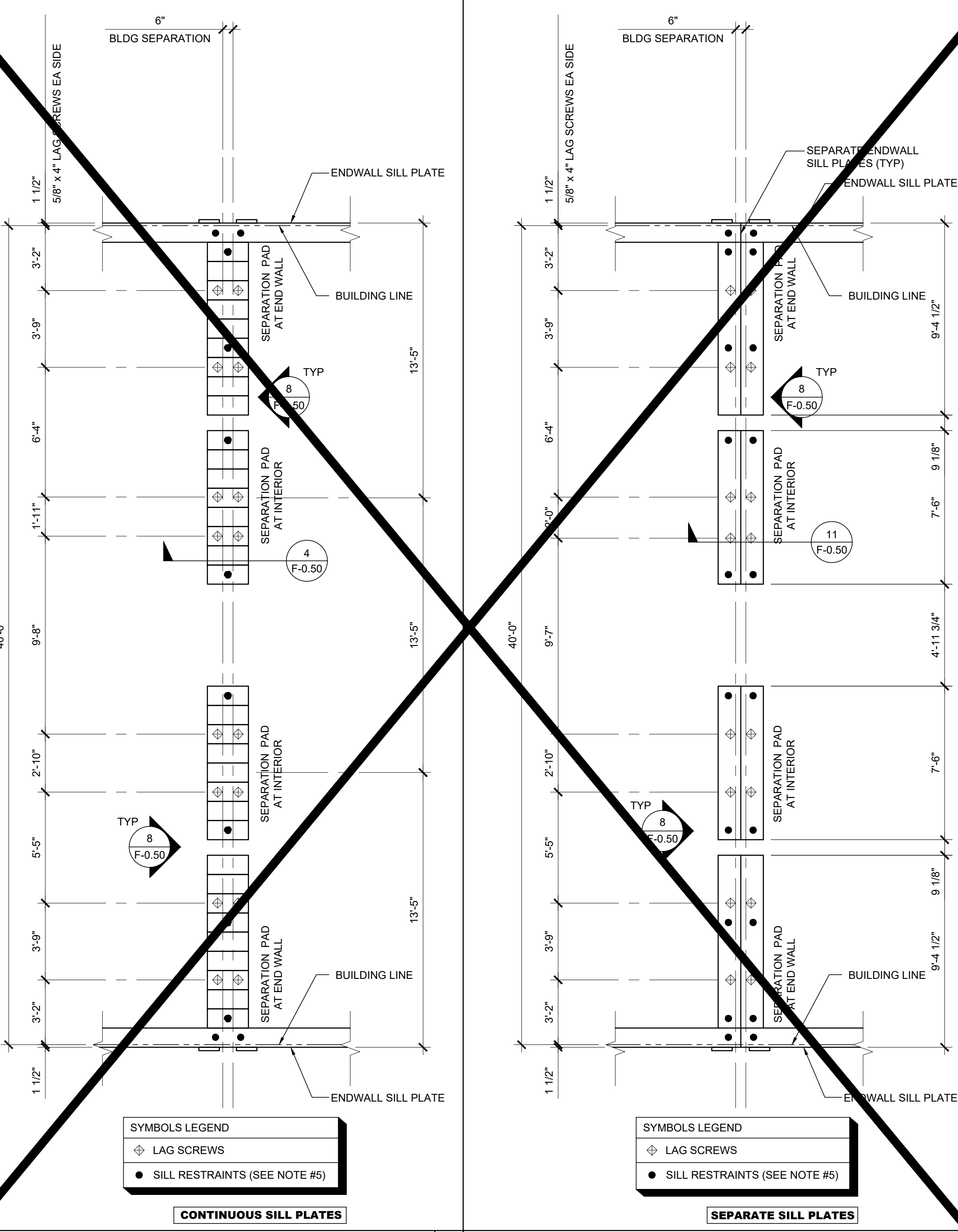
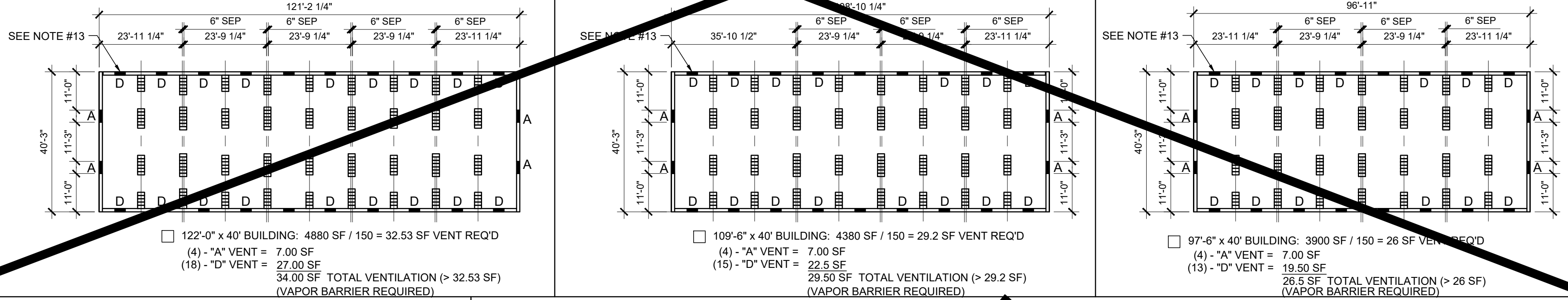
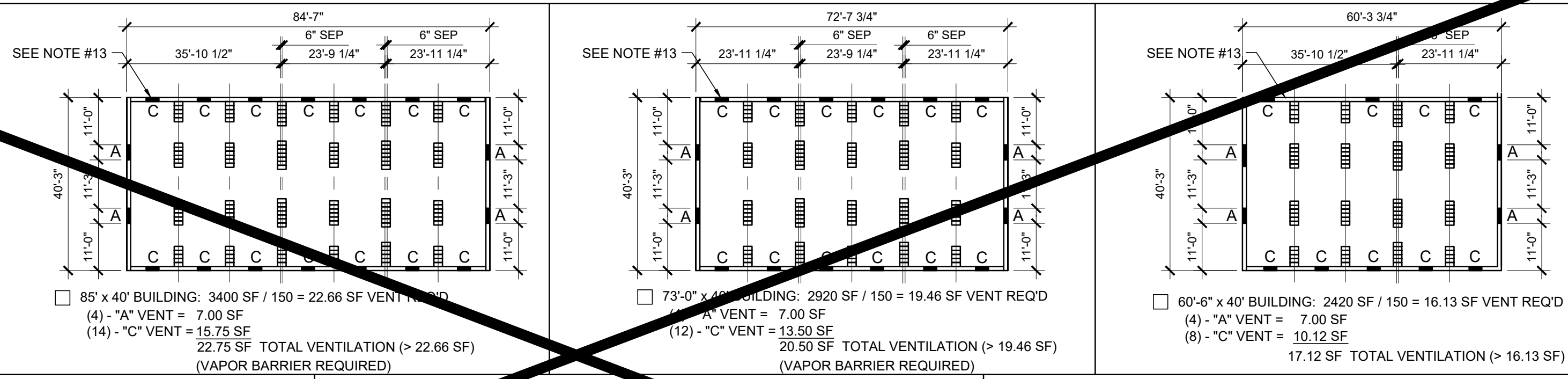


SIDE ELEVATION

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

REFER TO PROJECT SPECIFIC ELEVATION 2/A-1.01N

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) <sup>15</sup>	2x12 (2x14) <sup>15</sup>	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"

KEY PLAN VENTING SCHEDULE

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

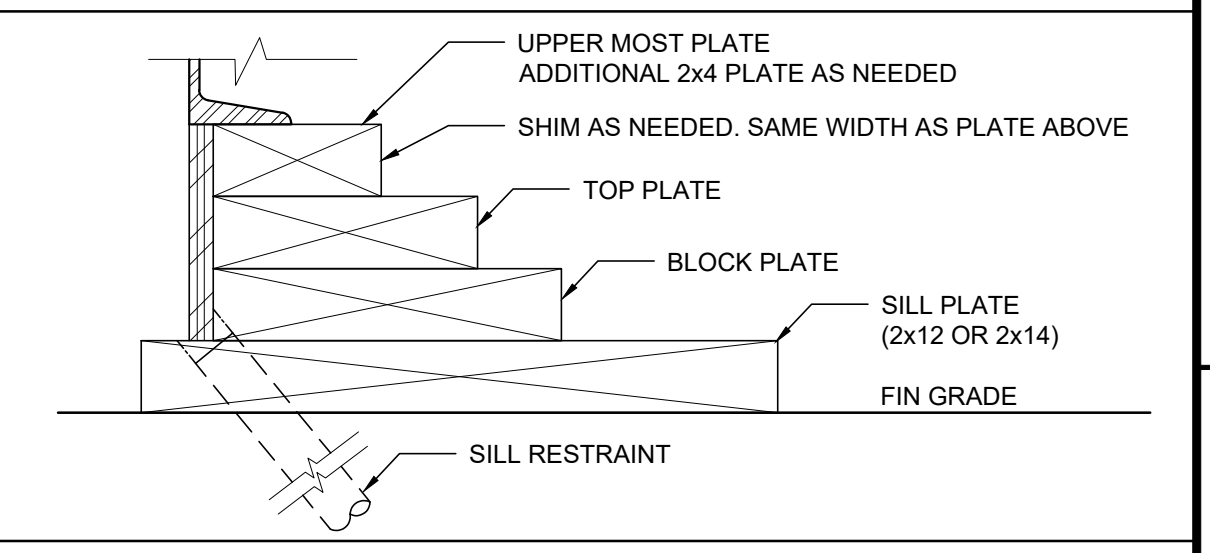
VENT "B" (ENDWALL): 3'-0" x 3" = 0.88 S.F. VENTILATION  
 (OPTIONAL AT MULTIPLE BLDG SETS)  
 "VENT OPENING ABOVE CONT. SILL AND BLOCK PLATE"

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.

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) SILEX (6 SF TOTAL SILEX) (7.5 SF TOTAL)	3'-0" x 6" = (4) 1.5	7.5 SF

SEE NOTE #8

TIE PLATE SCHEDULE

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

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

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

REVISIONS

PRE-CHECK (PC) DOCUMENT  
 CODE: 2022 CBC  
 A SEPARATE PROJECT APPLICATION  
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 SS  FLS  ACS   
 DATE: 08/31/2023

PC STATE AGENCY APPROVAL

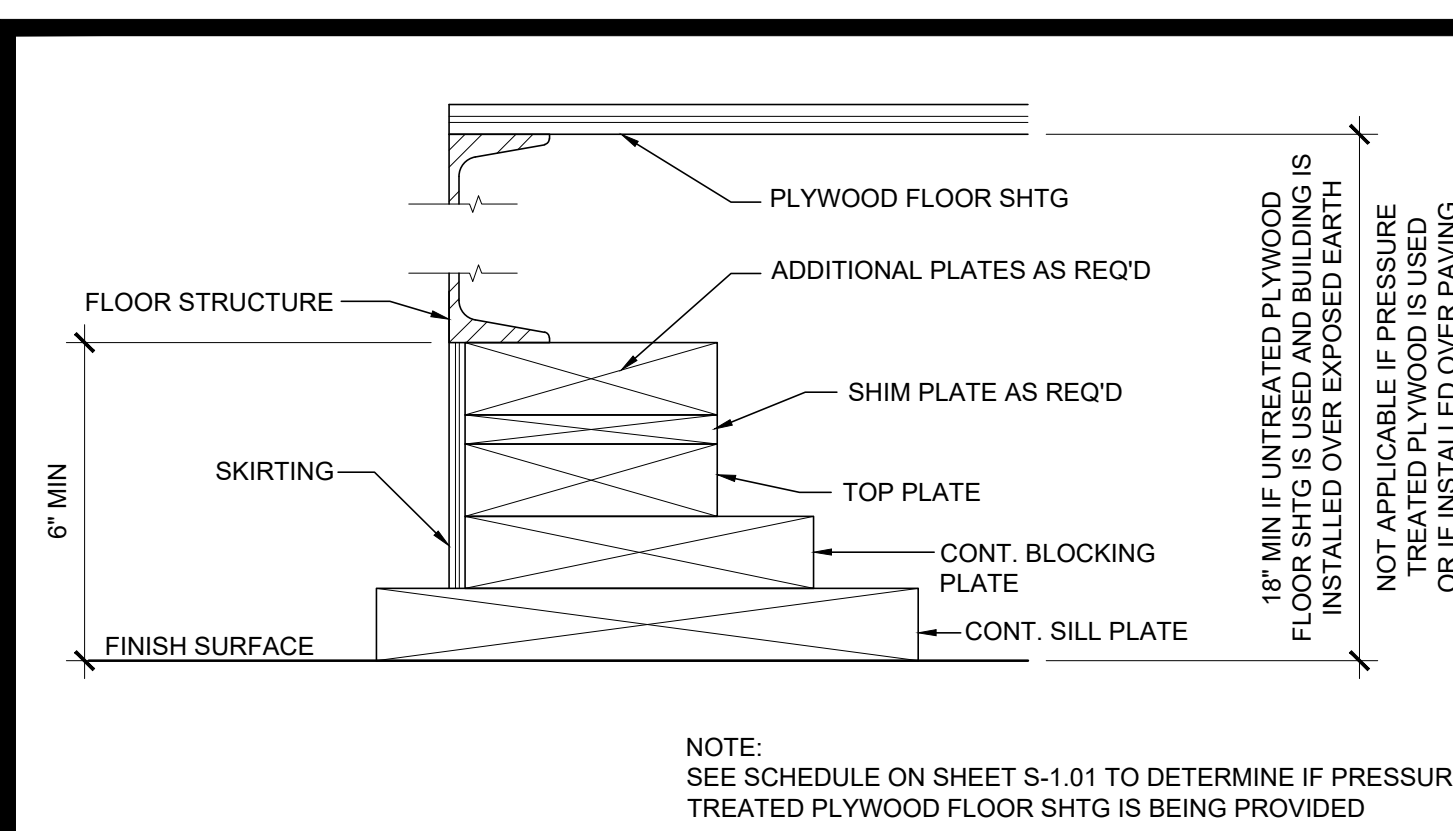
**Silver Creek**  
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
 PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

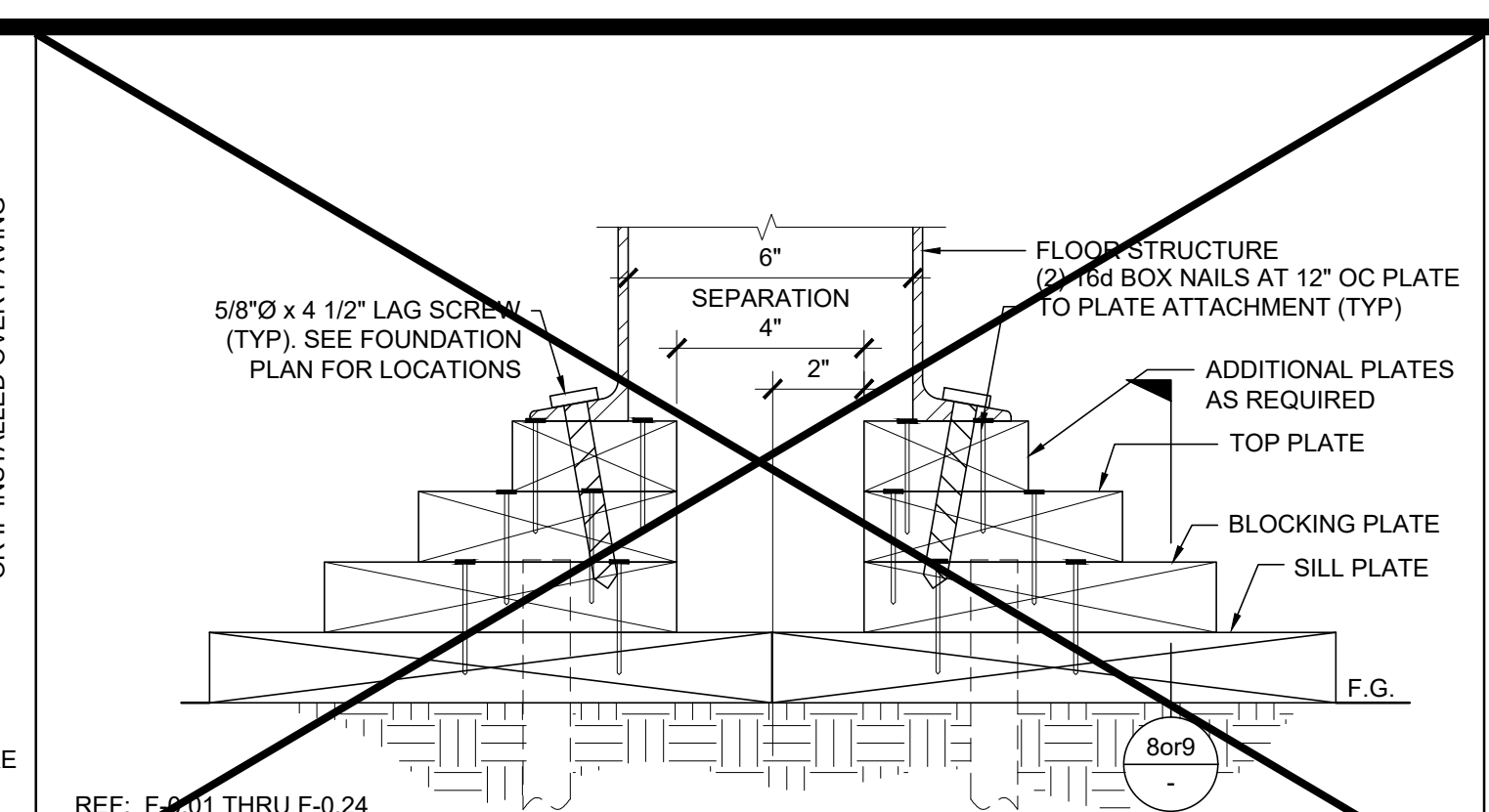
SILVER CREEK INDUSTRIES  
 24' x 40' PC

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

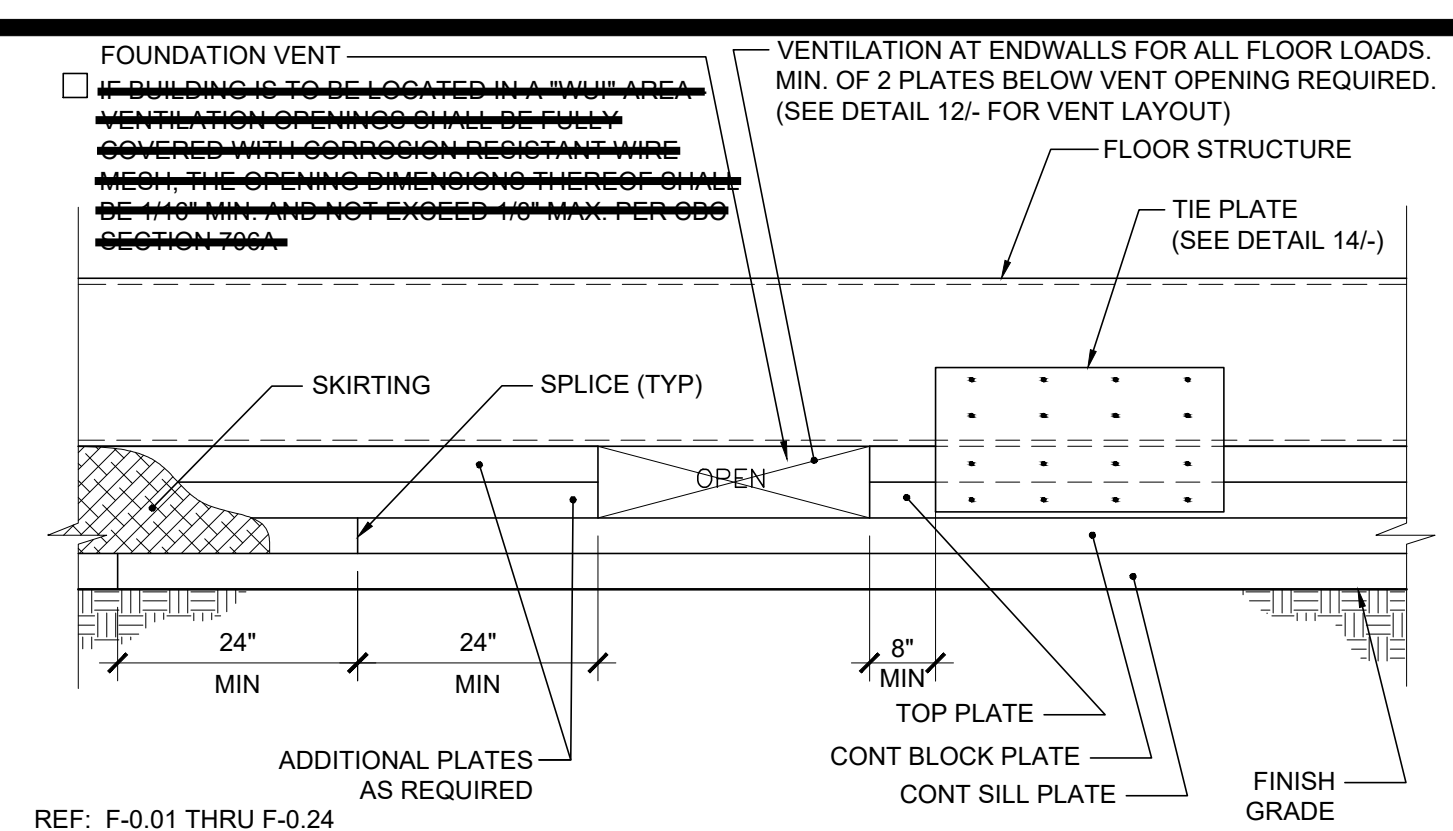
P.C. SHEET NUMBER  
**F-0.02**



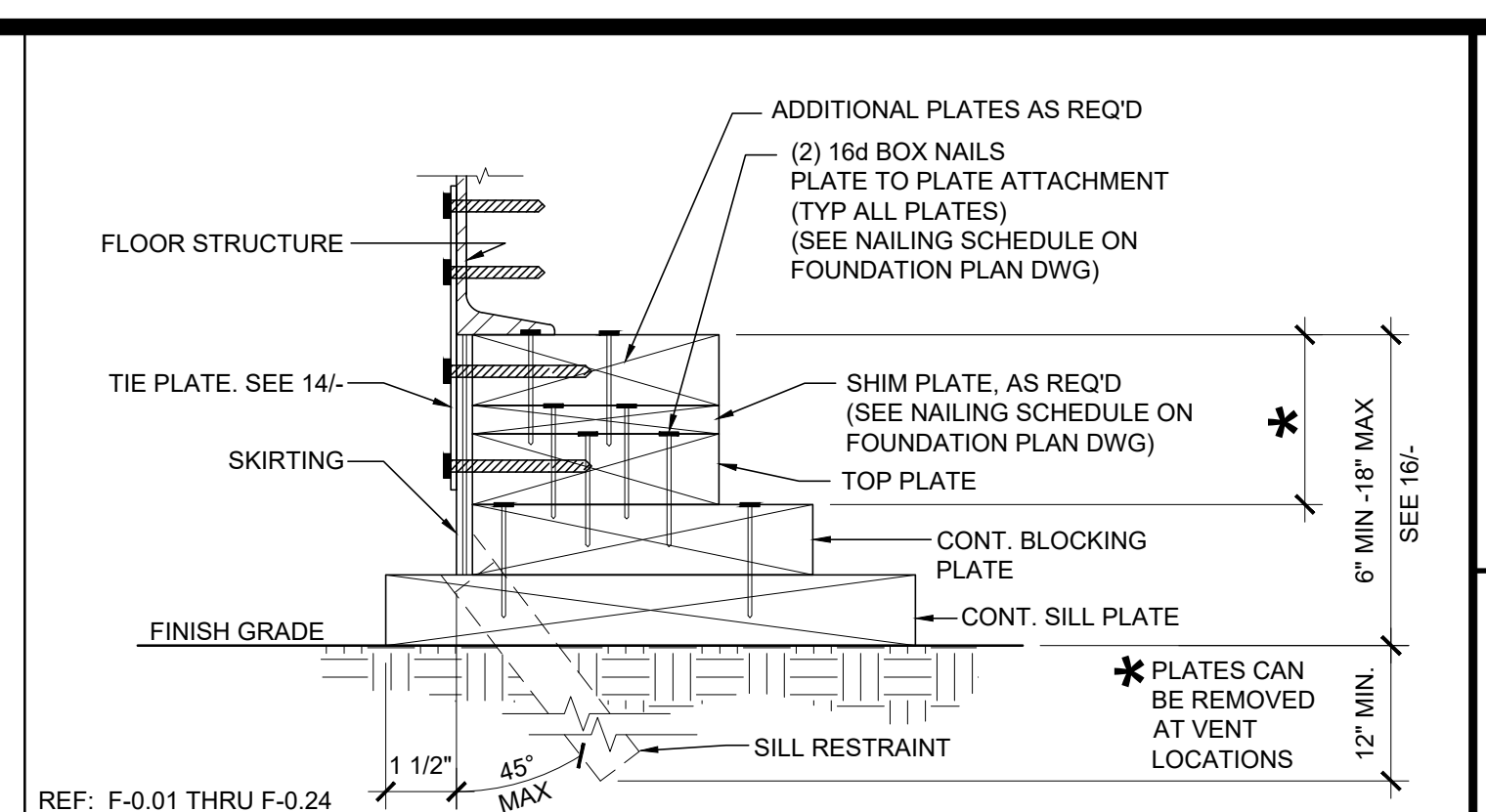
16 CLEARANCE TO PLYWOOD SHTG SCALE: 3"=1'-0"



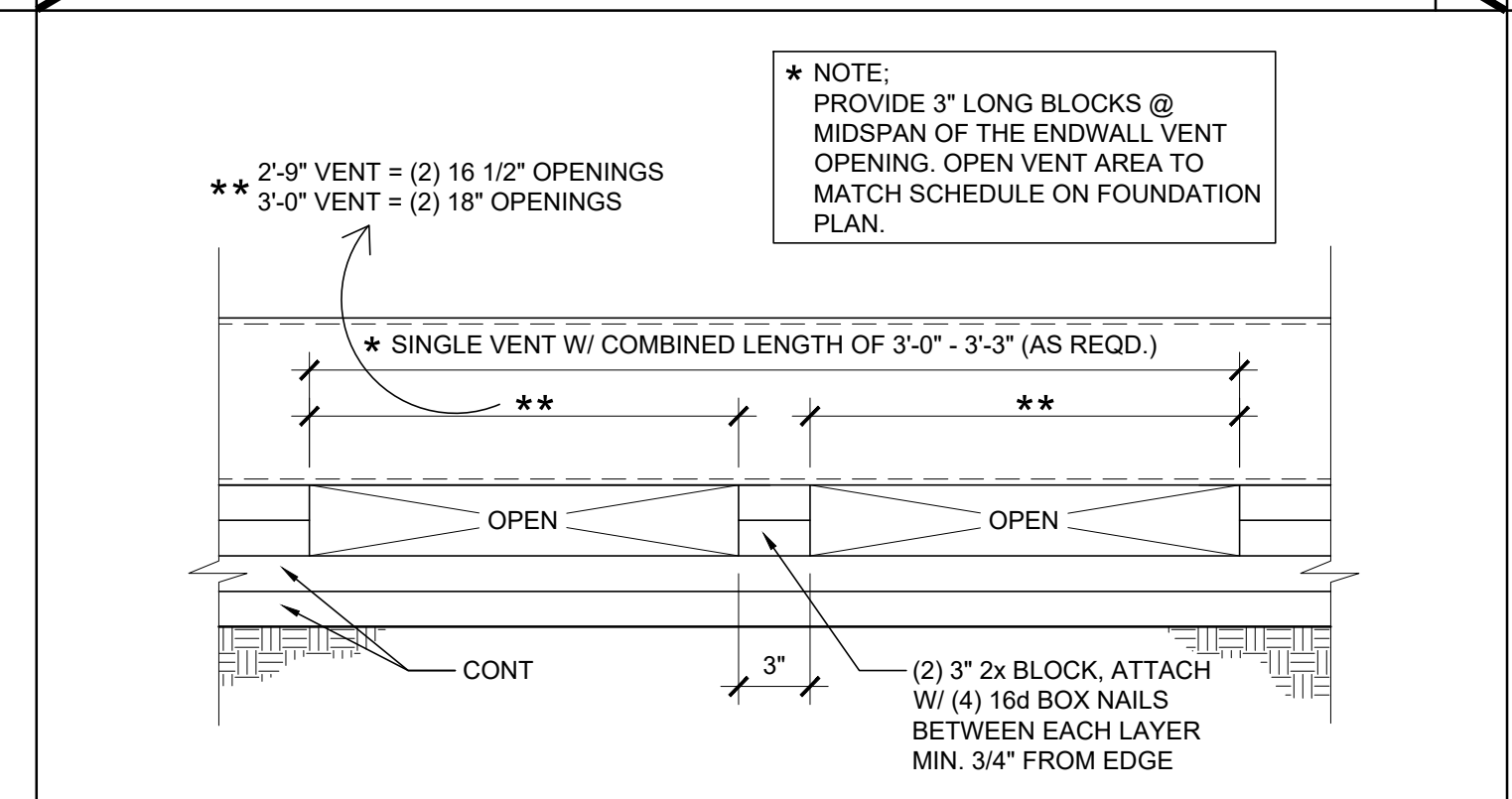
17 FOUNDATION AT ADJACENT BUILDING SCALE: 3"=1'-0"



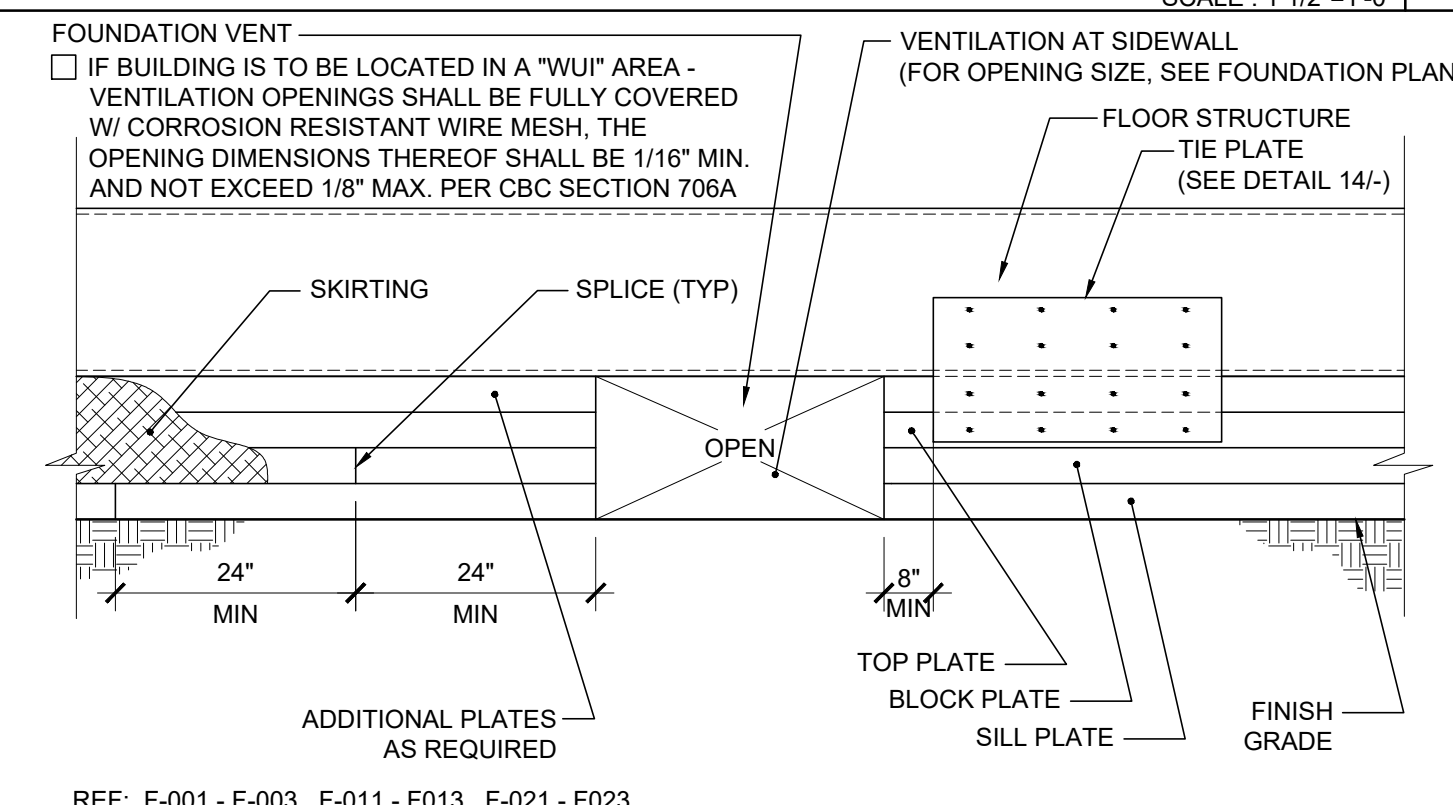
18 FOUNDATION ASSEMBLY END WALL ELEVATION SCALE: 1 1/2"=1'-0"



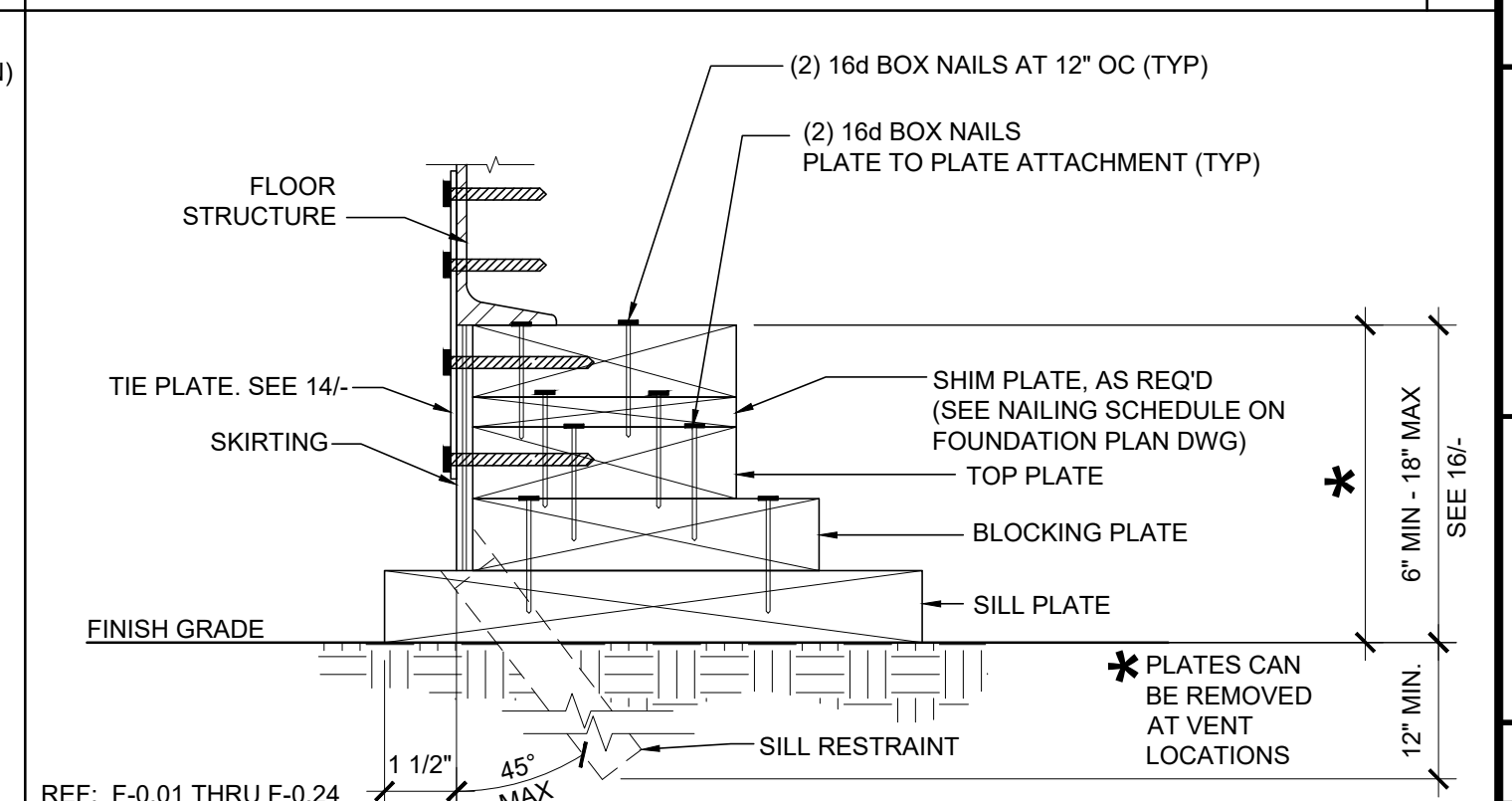
19 FOUNDATION AT END WALL SCALE: 3"=1'-0"



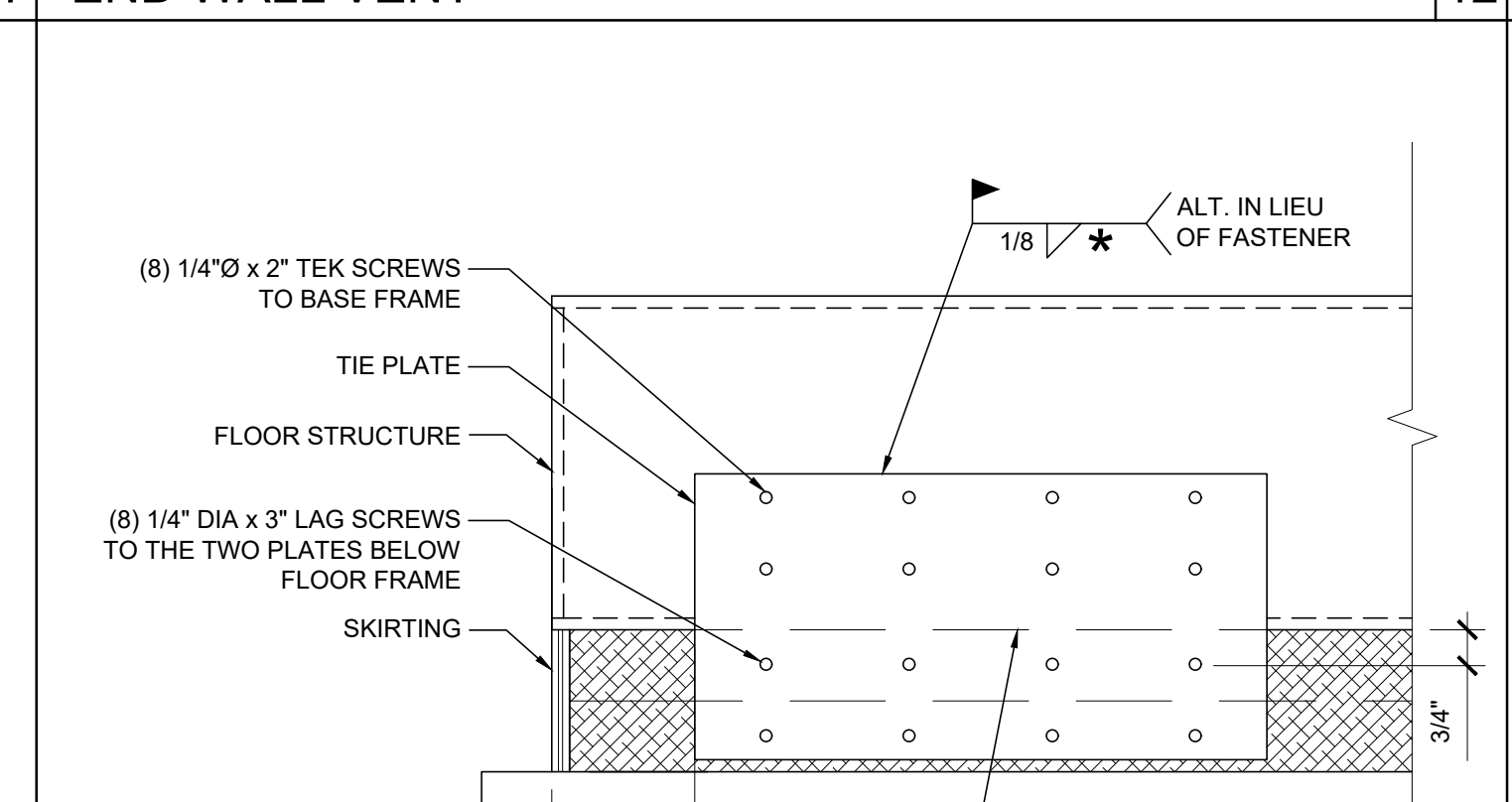
20 END WALL VENT SCALE: 1 1/2"=1'-0"



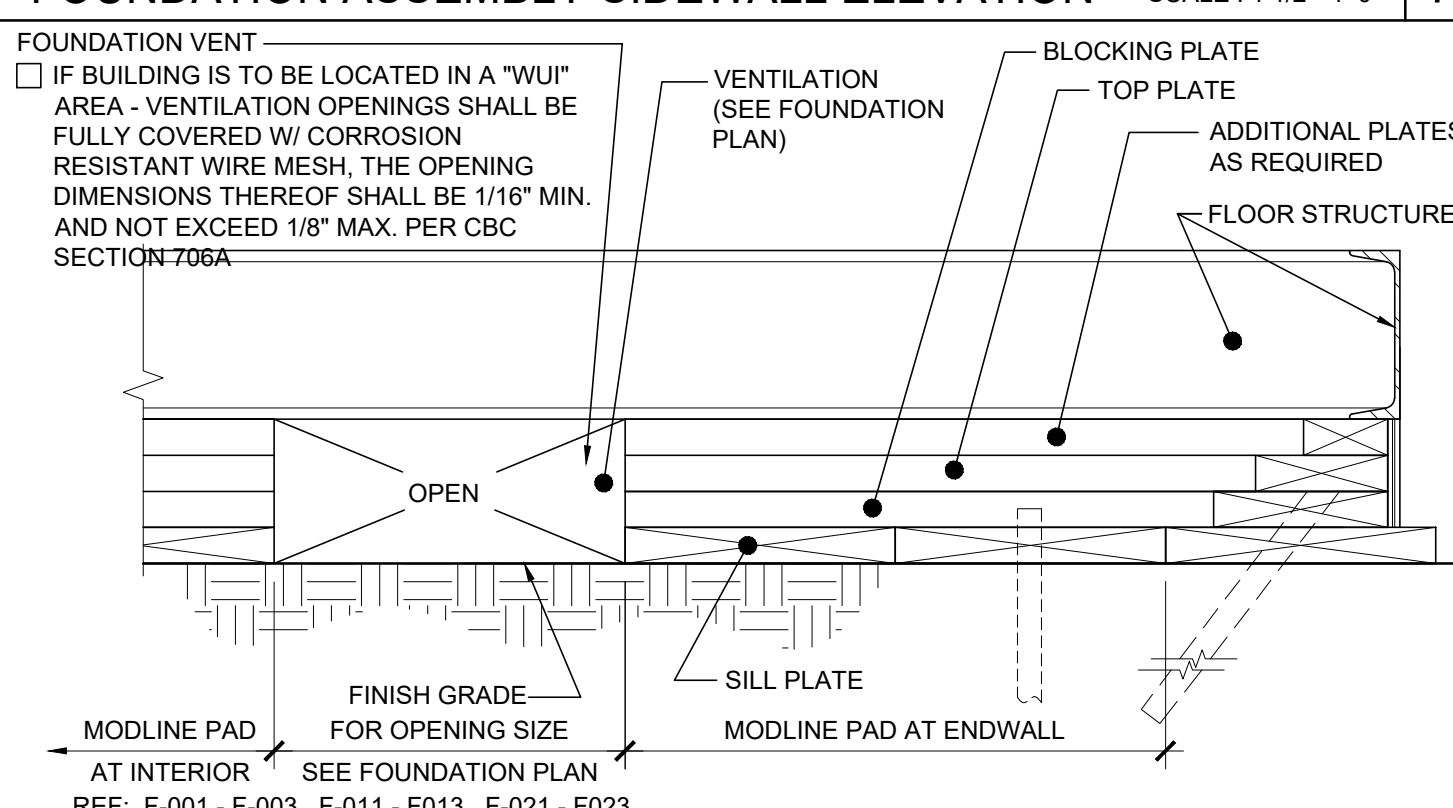
21 FOUNDATION ASSEMBLY SIDEWALL ELEVATION SCALE: 1 1/2"=1'-0"



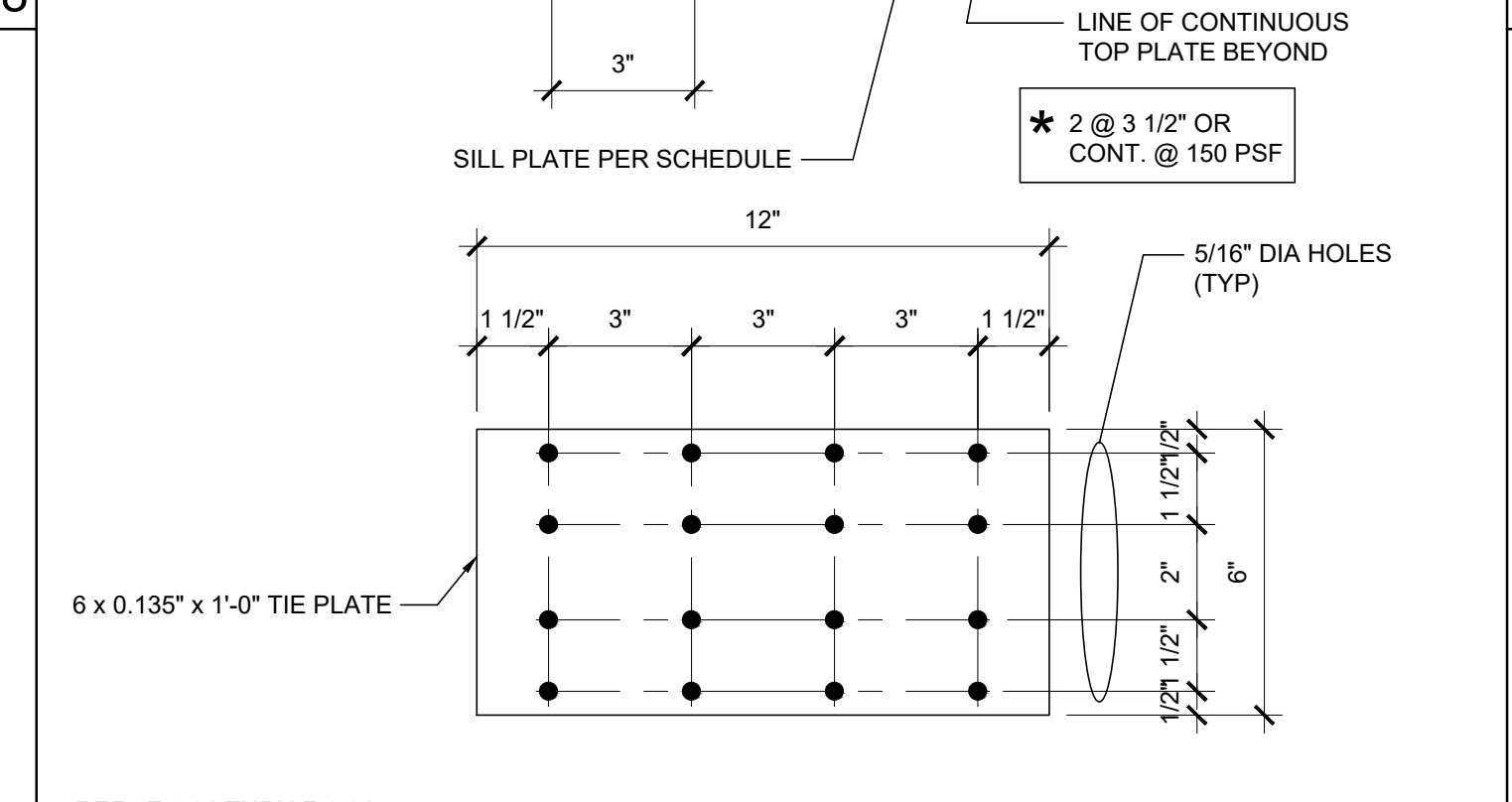
22 FOUNDATION AT SIDE WALL SCALE: 3"=1'-0"



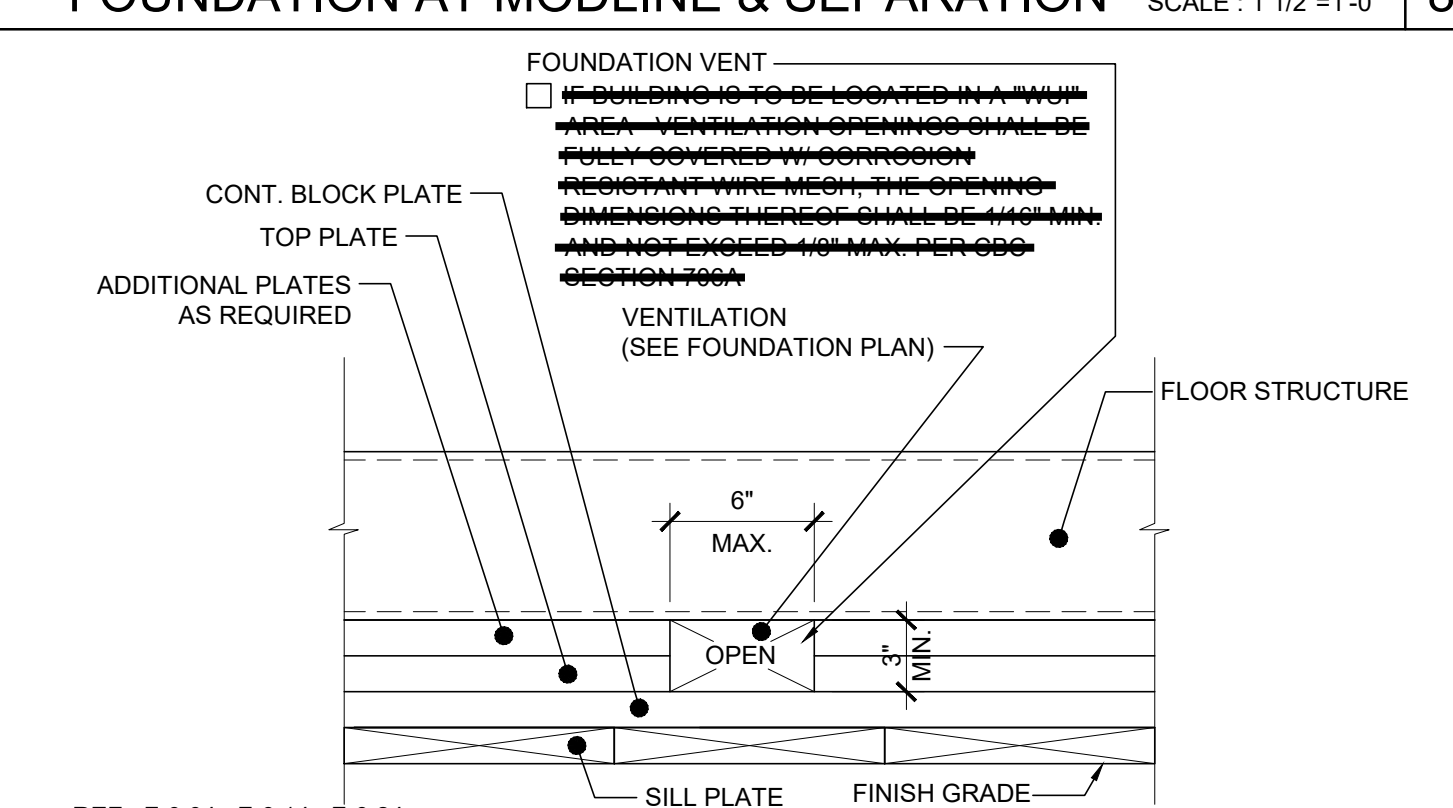
23 FOUNDATION AT MODLINE & SEPARATION SCALE: 1 1/2"=1'-0"



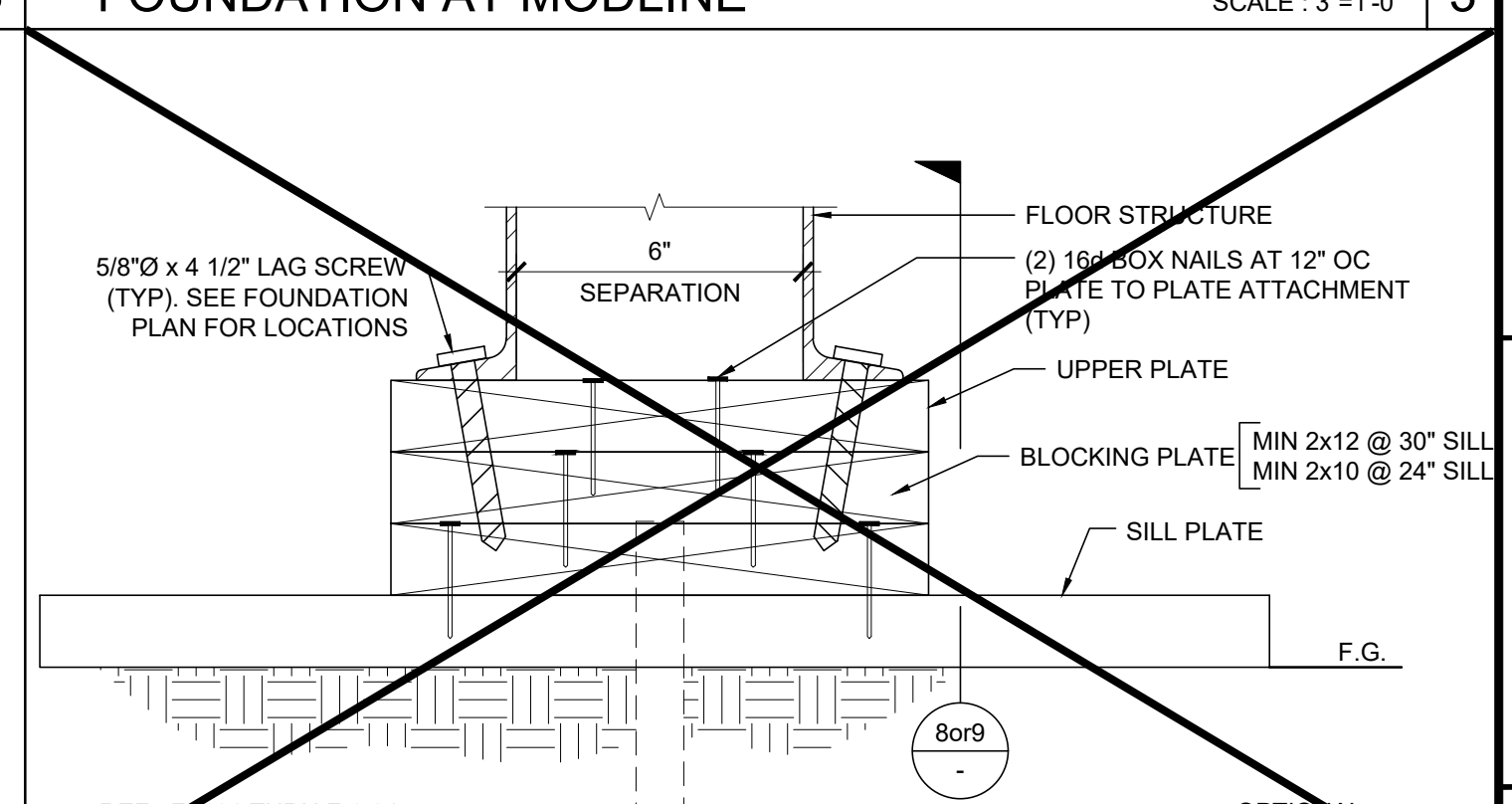
24 FOUNDATION AT MODLINE SCALE: 3"=1'-0"



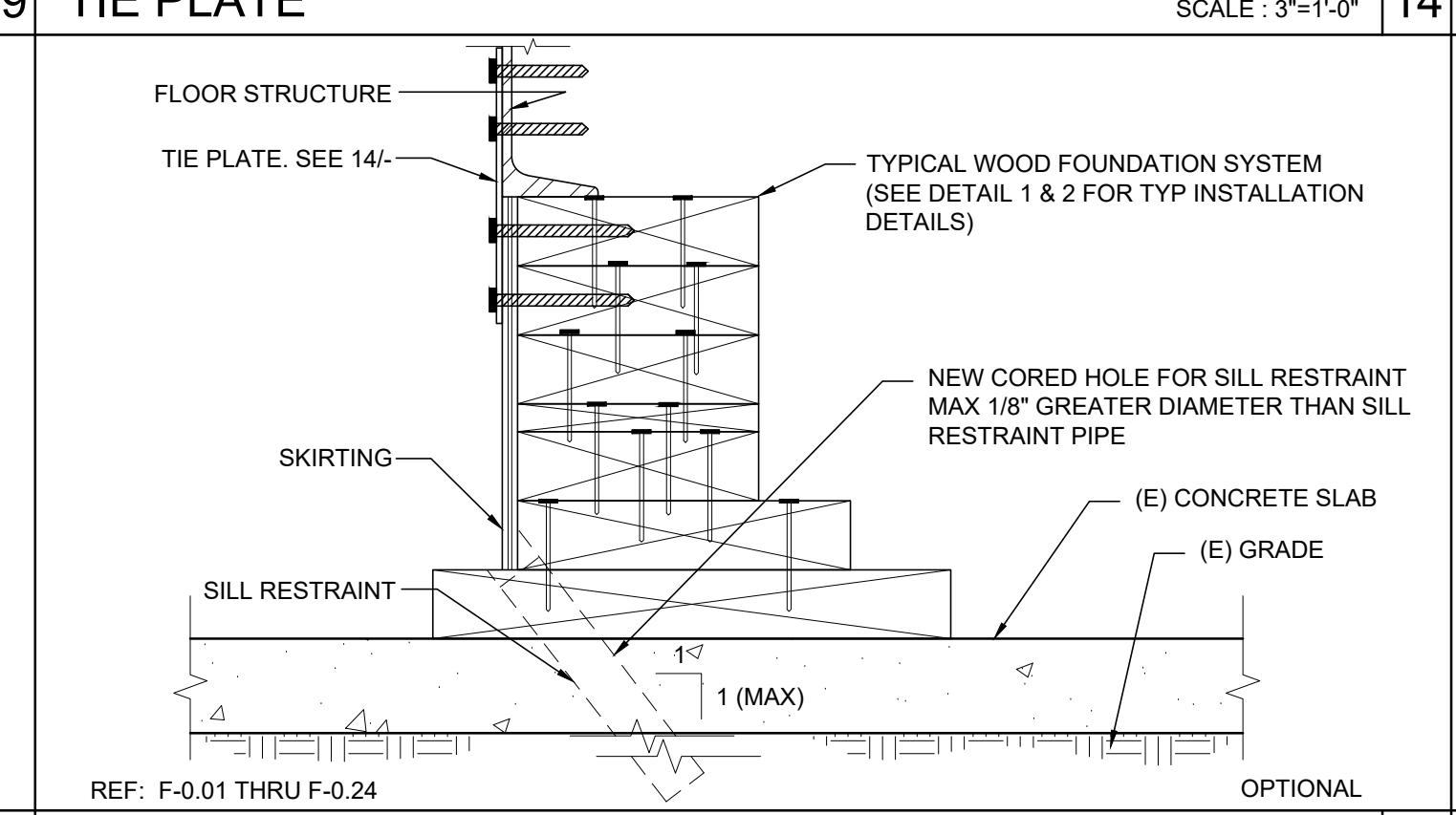
25 TIE PLATE SCALE: 3"=1'-0"



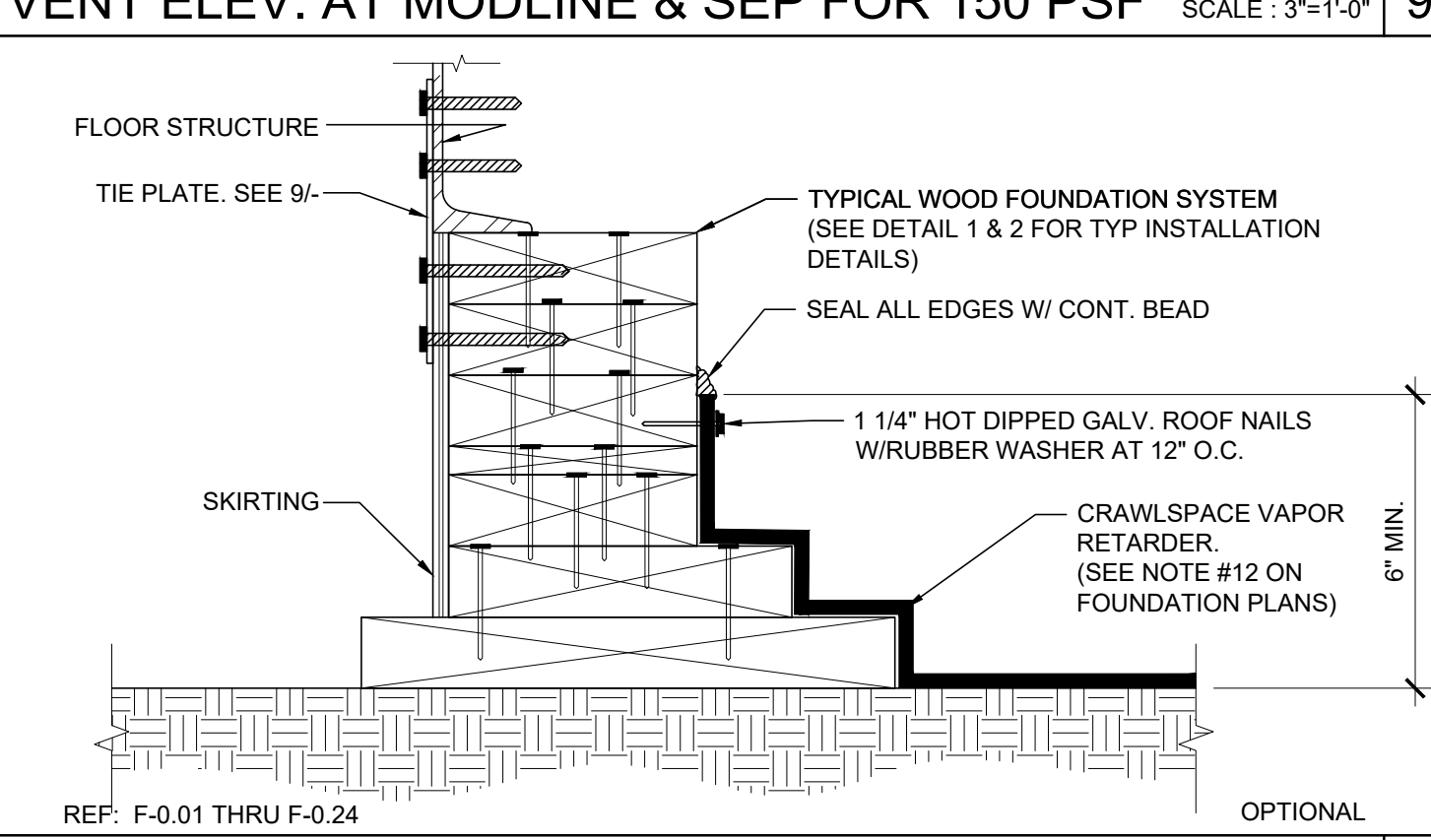
26 VENT ELEV. AT MODLINE & SEP FOR 150 PSF SCALE: 3"=1'-0"



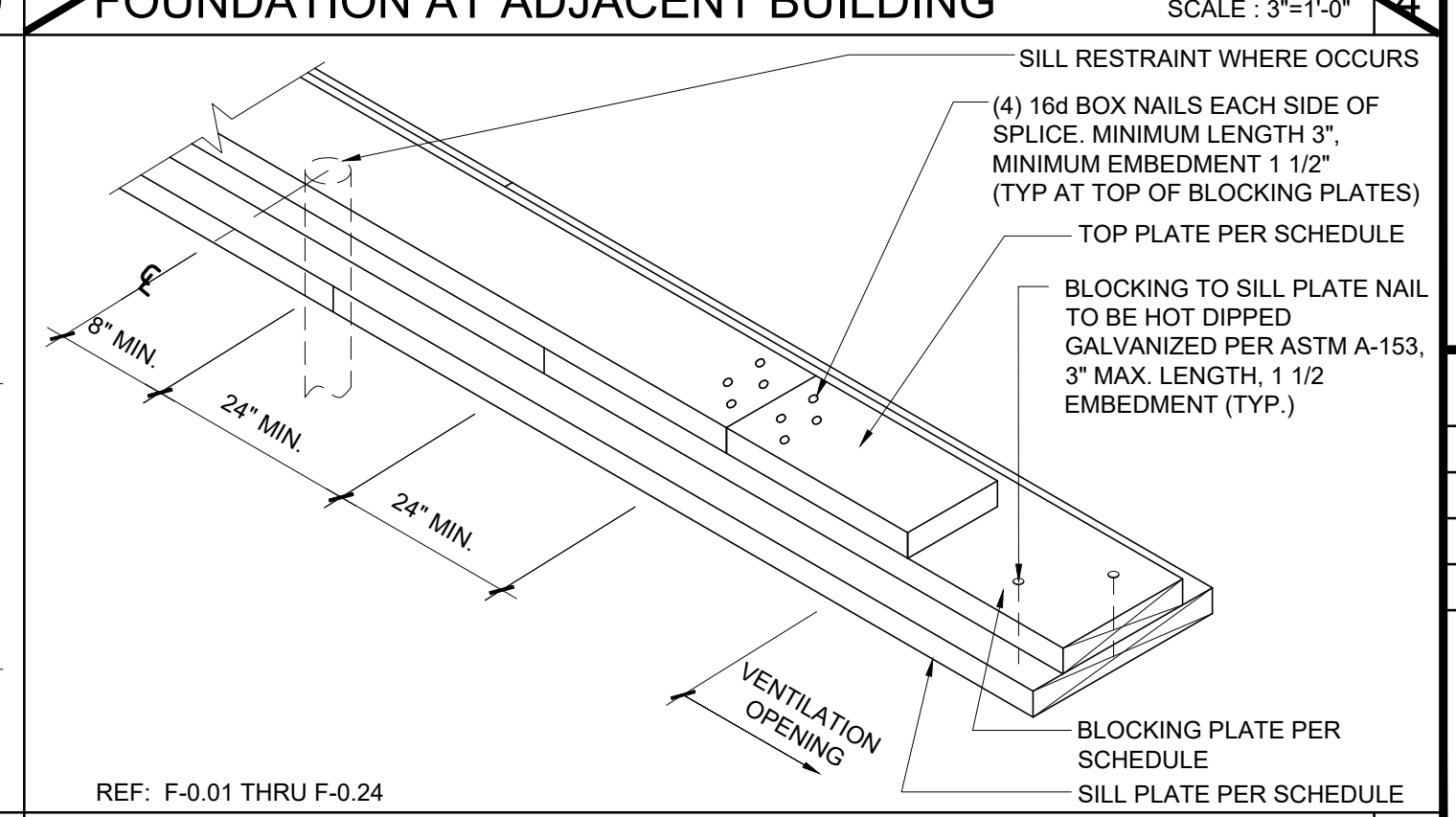
27 FOUNDATION AT ADJACENT BUILDING SCALE: 3"=1'-0"



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



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



30 FOUNDATION SPLICE SCALE: NTS

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APP: 02-122155 INC.  
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SS [x] FLS [x] ACS [x]  
DATE: 3/5/2024

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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  
SOMERSET M.S.  
(2) 24' x 40'  
CLASSROOM BUILDINGS**

SHEET TITLE:  
**FOUNDATION  
DETAILS  
WOOD**

REVISIONS

PRE-CHECK (PC) DOCUMENT  
CODE: 2022 CBC  
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APP: 04-121999 INC.  
REVIEWED FOR  
SS [x] FLS [x] ACS [x]  
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

**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 180A.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.
  - CONCRETE FOUNDATION TESTS AND INSPECTIONS SHALL BE THE RESPONSIBILITY OF THE ARCHITECT AND/OR INSPECTOR.
  - 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.
- FORMS SHALL BE SUBSTANTIAL, PLUMB, LEVEL, SQUARE, TRUE TO LINE, WATER TIGHT AND ACCURATE TO THE DIMENSIONS REQUIRED.
  - 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.
  - VARIANCE IN TOP OF STEMWALL AND/OR ANCHOR PLATE SURFACE SHALL BE NO MORE THAN 1/16" IN TO FEET
  - ANCHOR BOLTS, DOWELS, REINFORCING STEEL AND EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED "WET SETTING" IS NOT ALLOWED.
  - REFER TO ARCHITECTURAL, ELECTRICAL, AND MECHANICAL PLANS FOR SLEEVES, INSERTS CURBS, DEPRESSED AREAS, AND ETC.
  - 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.

3. WHEN BATCH PLANT 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"
- 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 SCRAPING 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.

**NOTES:**  
(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
- EXTERIOR WALL SIDING:
  - STANDARD: 5/8" DURATEMP OR 5/8" SMART PANEL
  - OPTIONAL: 5/8" MDO
  - OPTIONAL: 1/2" OSB OR CDX PLYWOOD FOR PLASTER/TUCCO FINISH
- 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 WHERE 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-CATEGORY 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 (SMA CN) LATEST ADOPTED EDITION UNLESS OTHERWISE NOTED.

### WORKMANSHIP:

WORKMANSHIP AND MATERIALS SHALL BE SUCH THAT BUILDING WILL BE WEATHERTIGHT AND WATERTIGHT.

### 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.

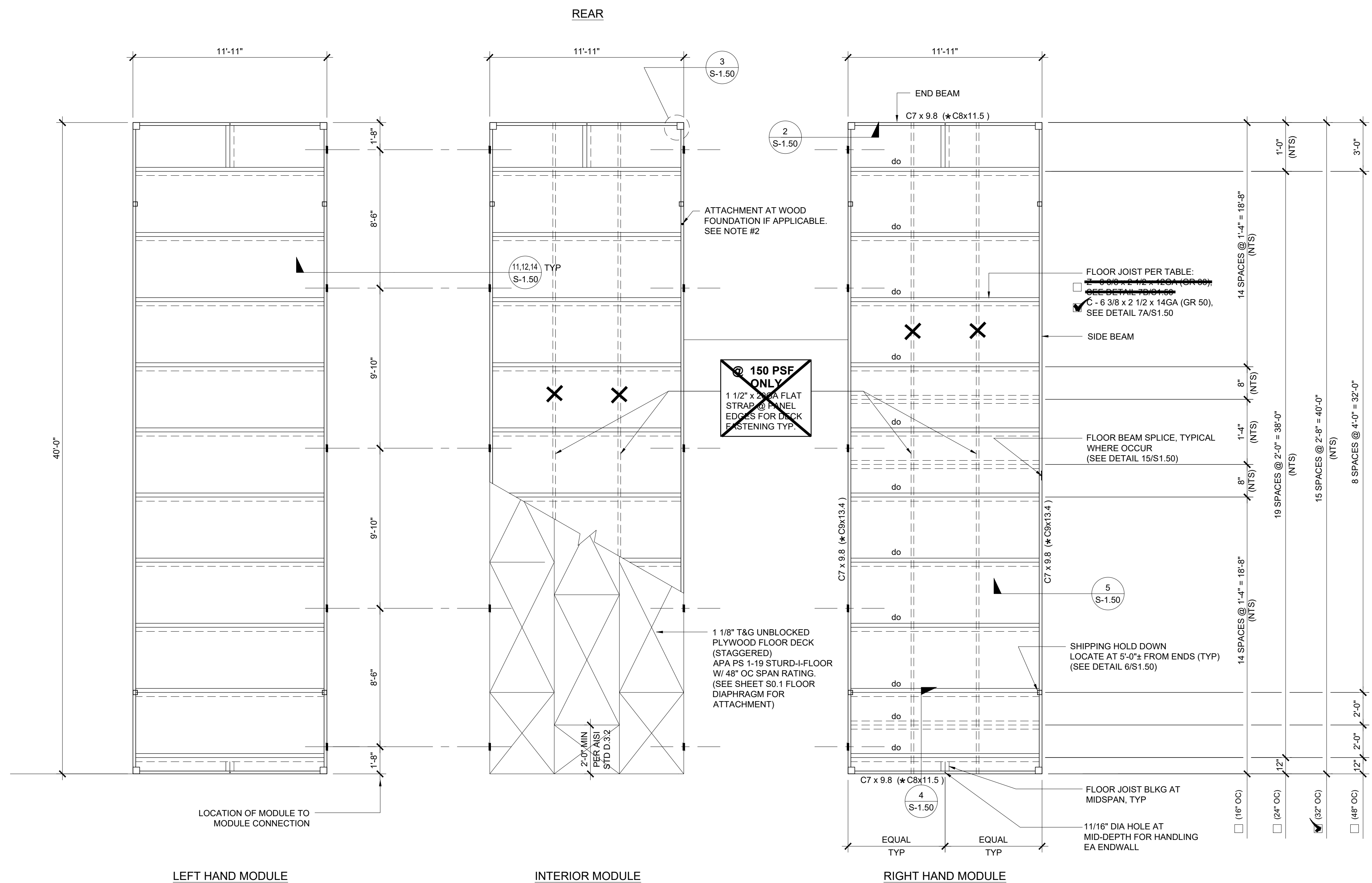
### NAILING NOTES:

- ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED
- 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 / A F&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	3-6d 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 filler	2-16 d common (3 1/2" x 0.162"); or 3-3" x 0.131" nails @ 6" o.c. 3" x 14 gage staples @ 6" o.c.	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 thrust) (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 2306.7.5, Table 2306.7.5)	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 12" o.c. face nail	16" o.c. face nail
10. Built-up header (2" to 2" header)	16d common (3 1/2" x 0.162"); or 12" o.c. each edge, face nail	12" 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 joist or blocking (not at braced wall panels)	16d common (3 1/2" x 0.162"); or 12" o.c. face nail	16" o.c. face nail
15. Bottom plate to joist, rim joist, band joist 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" x 0.128")	Face nail
20. 1" x 8" and wider sheathing to each bearing	3-8d common (2 1/2" x 0.131"); or 3-10d box (3" x 0.128")	Face nail
Floor		
21. Joist to sill, top plate, or girder	3-8d common (2 1/2" x 0.131"); or floor 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Toenail
22. Rim joist, band joist, or blocking to top plate, sill or other framing below	8d common (2 1/2" x 0.131"); or 10d box (3" x 0.128"); or 3" x 0.131" nails; or 3" 14 gage staples, 7/16" crown	6" o.c., toenail
23. 1" x 6" subfloor or less to each joist	2-8d common (2 1/2" x 0.131"); or 2-10d box (3" x 0.128")	Face nail
24. 2" subfloor to joist or girder	2-16d common (3 1/2" x 0.162")	Face nail
25. 2" planks (plank & beam — floor & roof)	2-16d common (3 1/2" x 0.162")	Each bearing, face nail
26. Built-up girders and beams, 2" lumber layers	10d box (3" x 0.128"); or 3" x 0.131" nails; or 3" 14 gage staples, 7/16" crown	24" o.c. face nail at top and bottom staggered on opposite sides
	And: 2-20d common (4" x 0.192"); or 3-10d box (3" x 0.128"); or 3-3" x 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Ends and at each splice, face nail



**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: 02-122155 INC.  
 REVIEWED FOR  
 SS  FLS  ACS   
 DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:  
**SYLVAN USD  
 SOMERSET M.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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IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APP: 04-121999 INC.  
 REVIEWED FOR  
 SS  FLS  ACS   
 DATE: 08/31/2023

PC STATE AGENCY APPROVAL

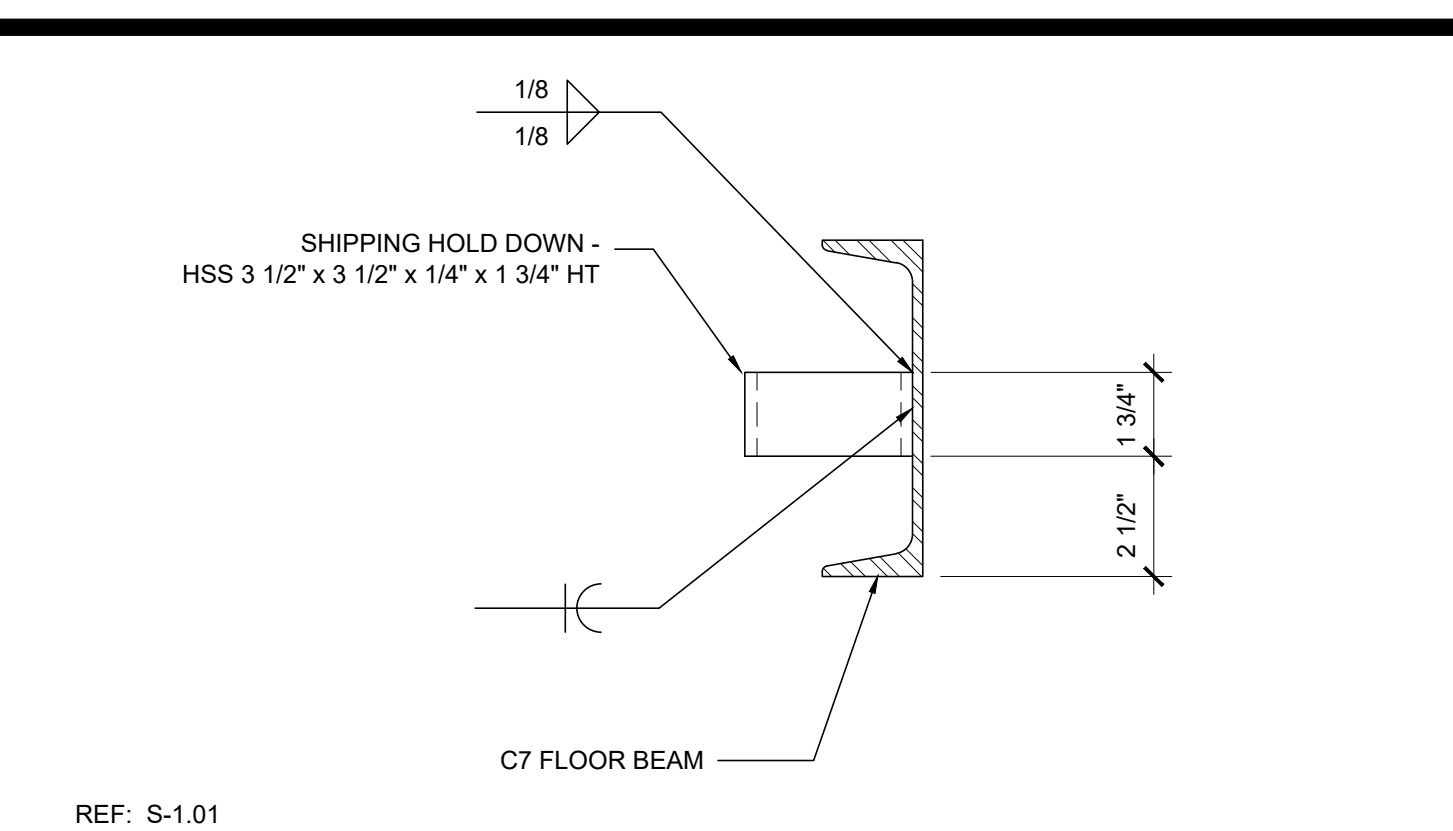
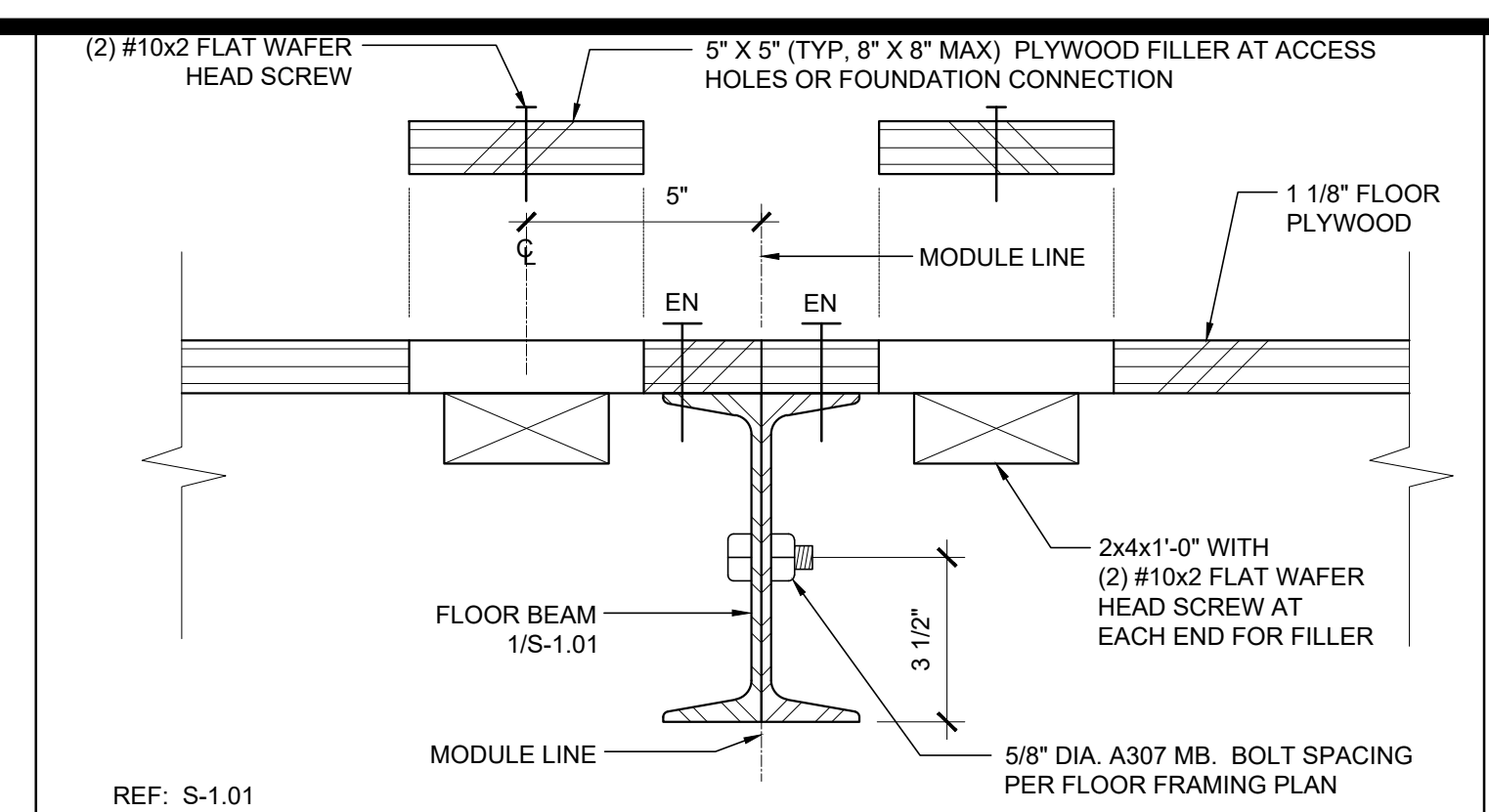
**Silver Creek**  
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
 PHONE: 951-943-5393 FAX: 951-943-2211

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-1.01**



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APP: 02-122155 INC.  
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(2) 24' x 40'  
CLASSROOM BUILDINGS**

SHEET TITLE:  
**FLOOR FRMNG  
DETILS  
WOOD FLOOR**

REVISIONS

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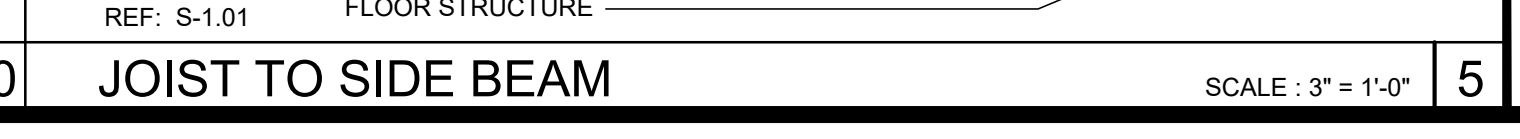
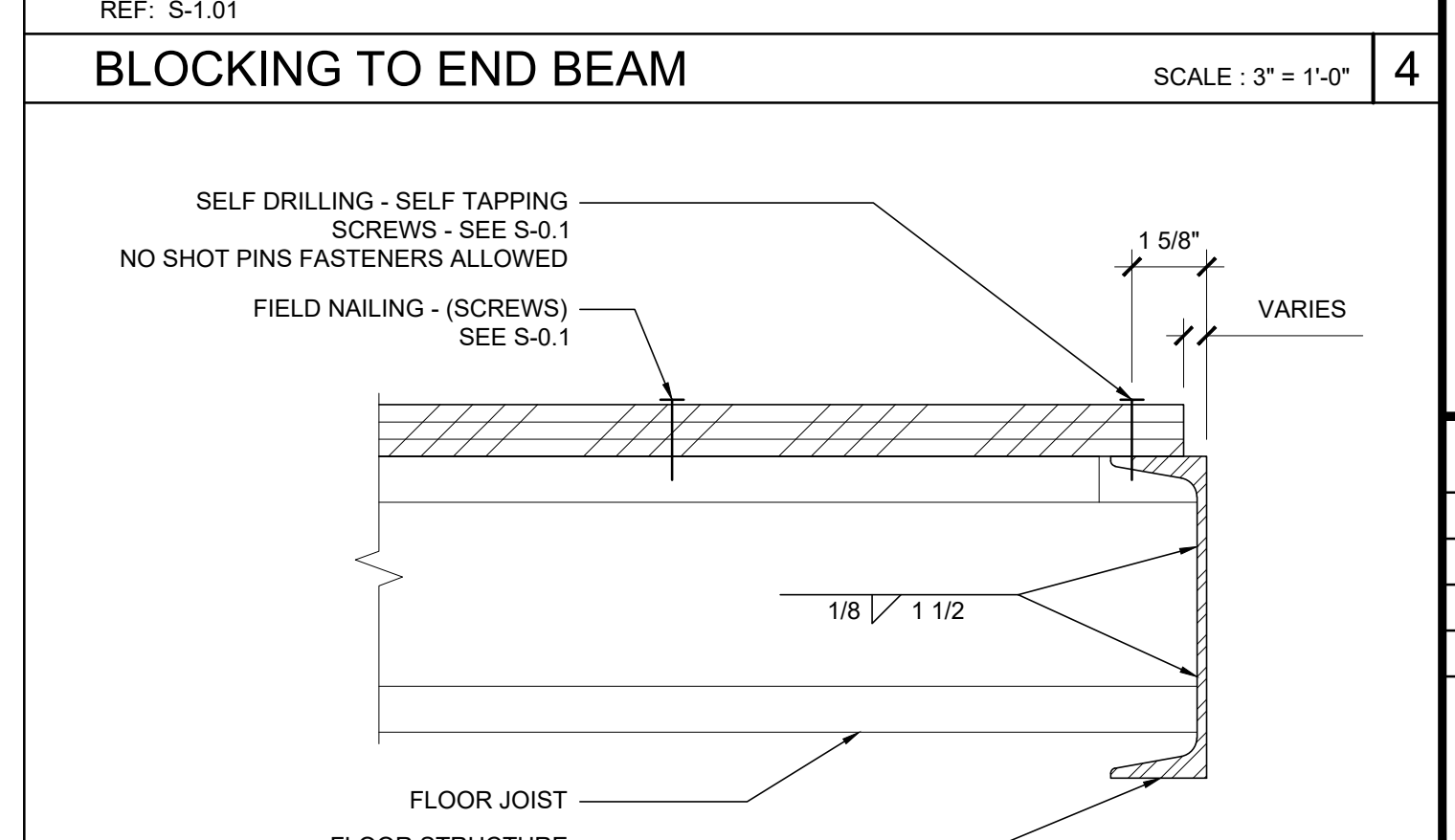
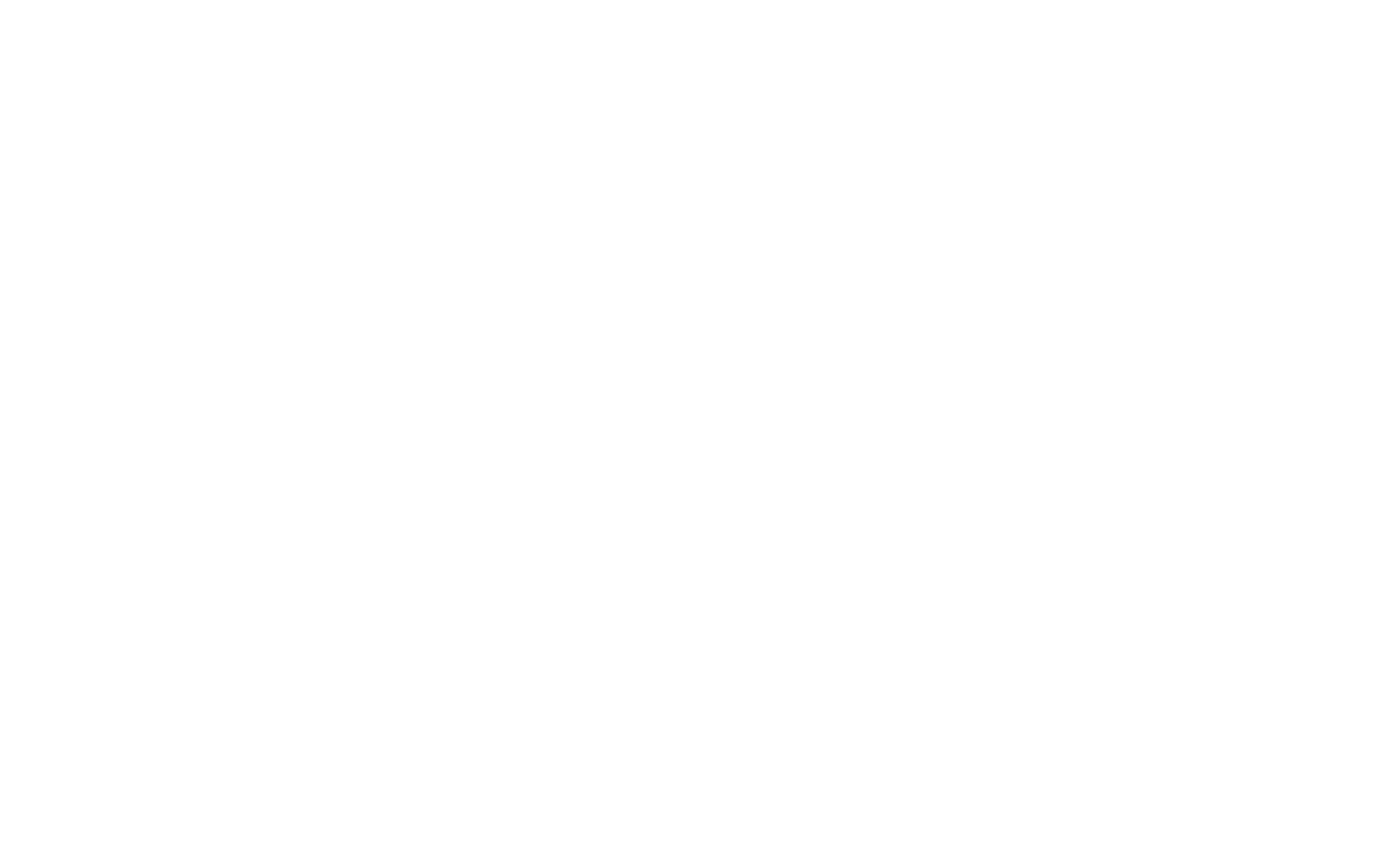
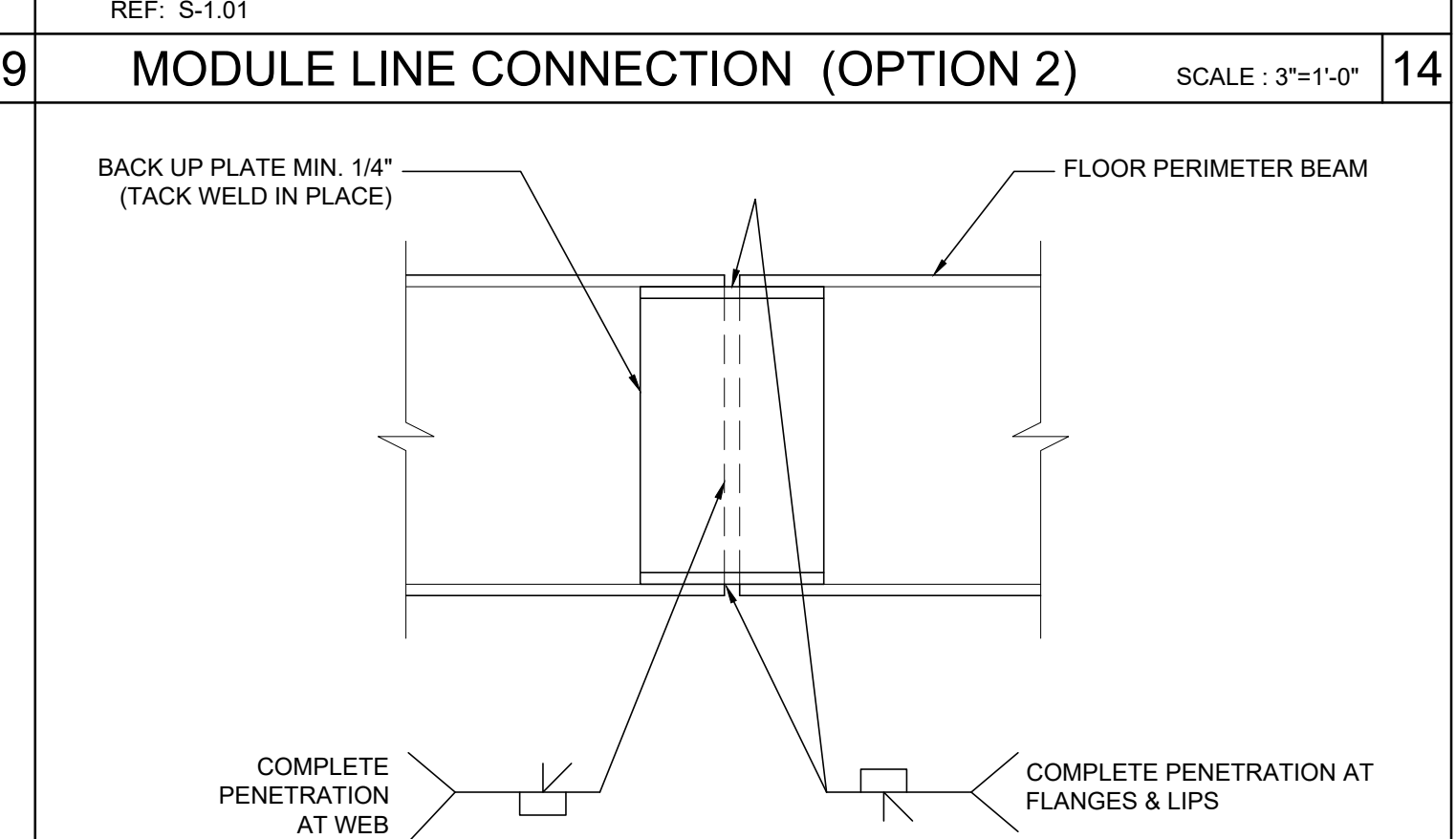
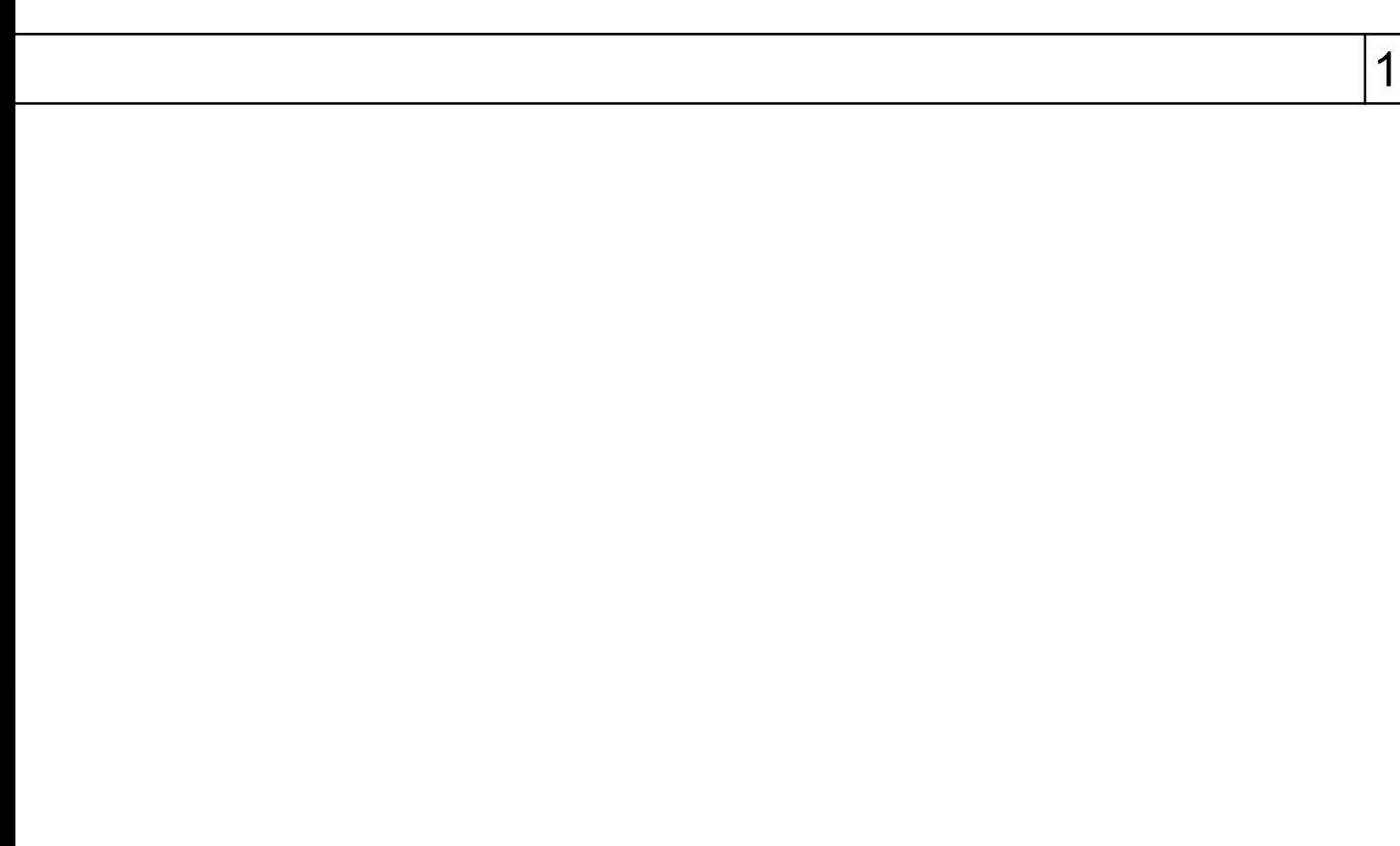
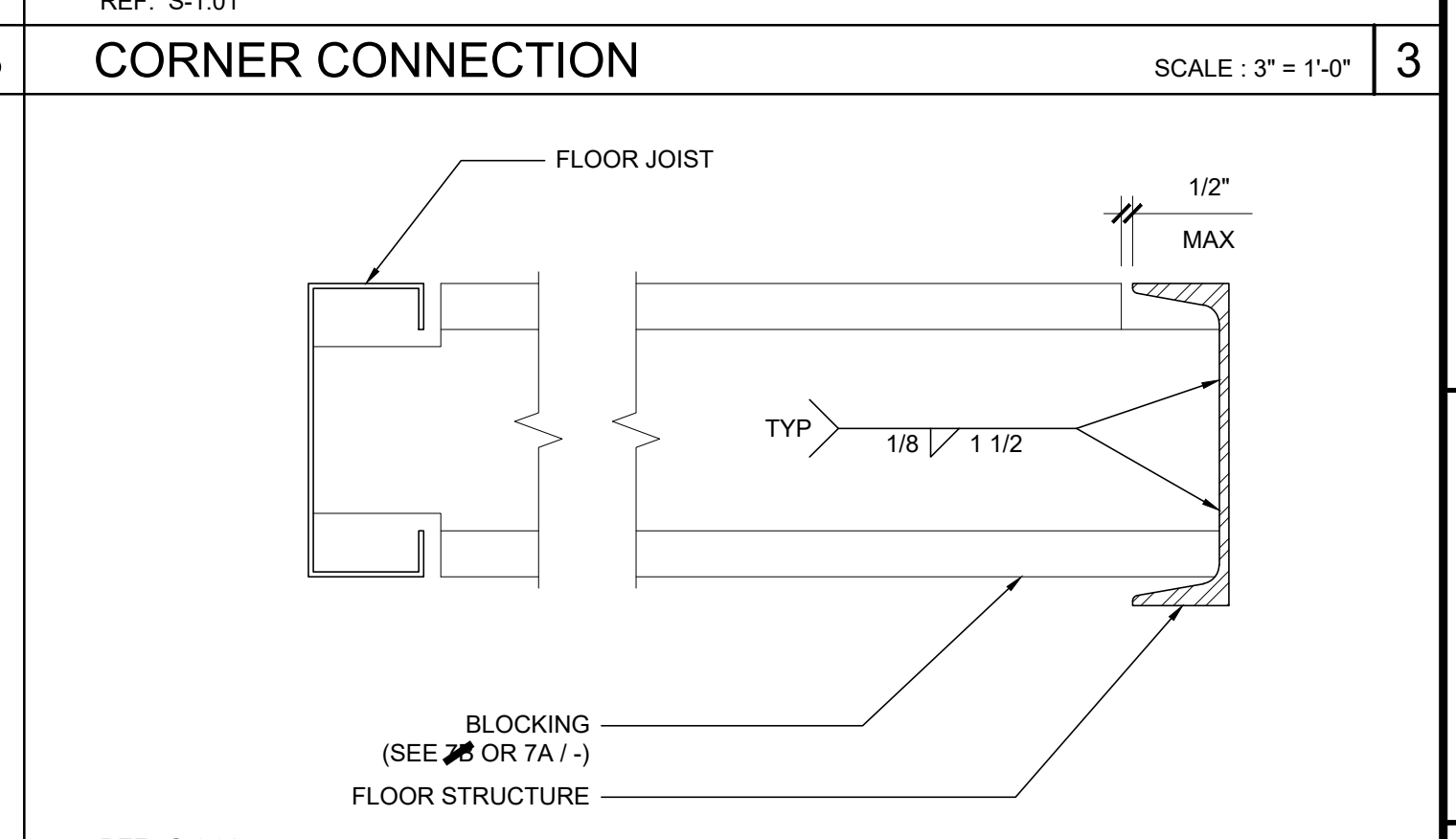
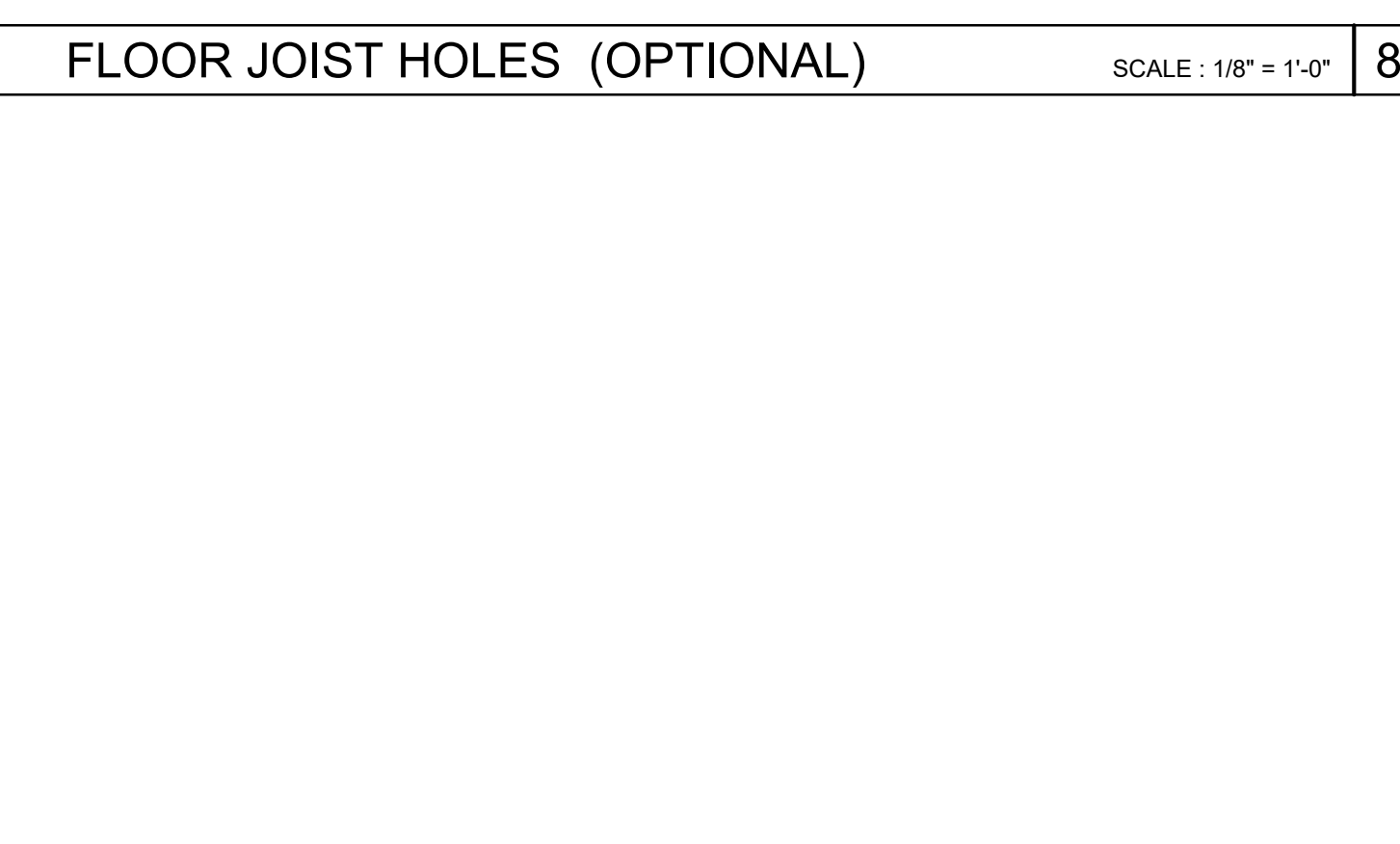
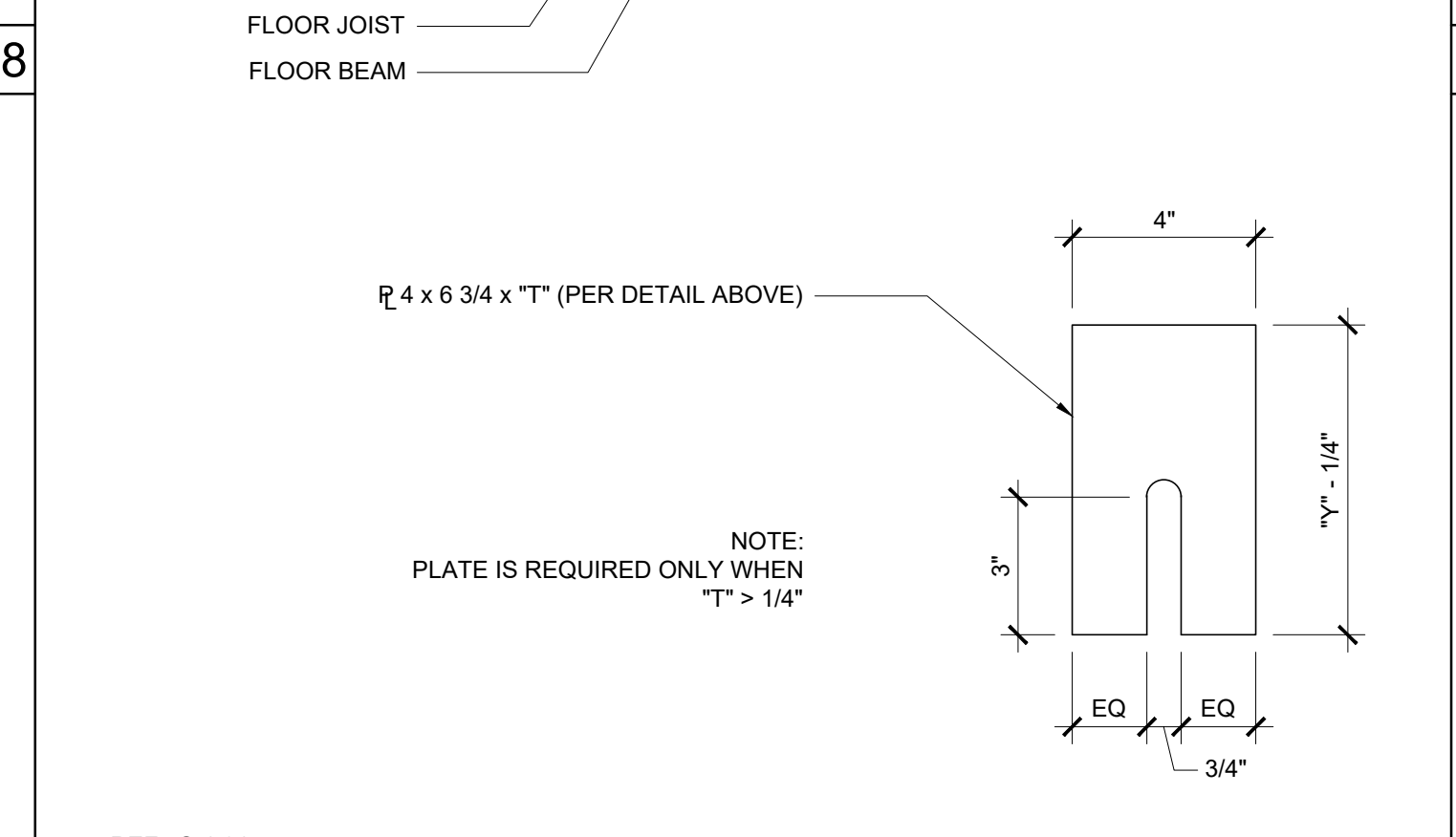
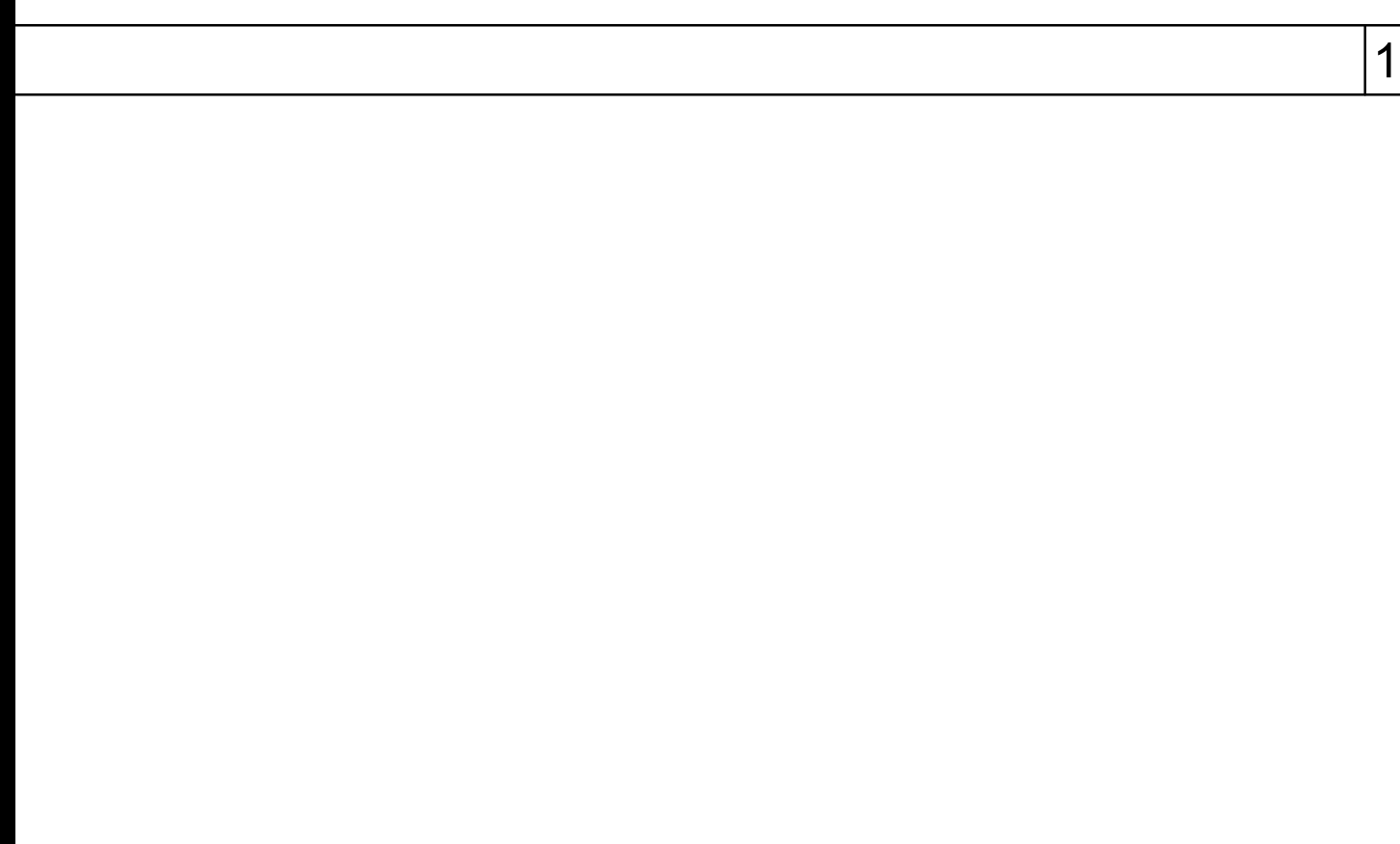
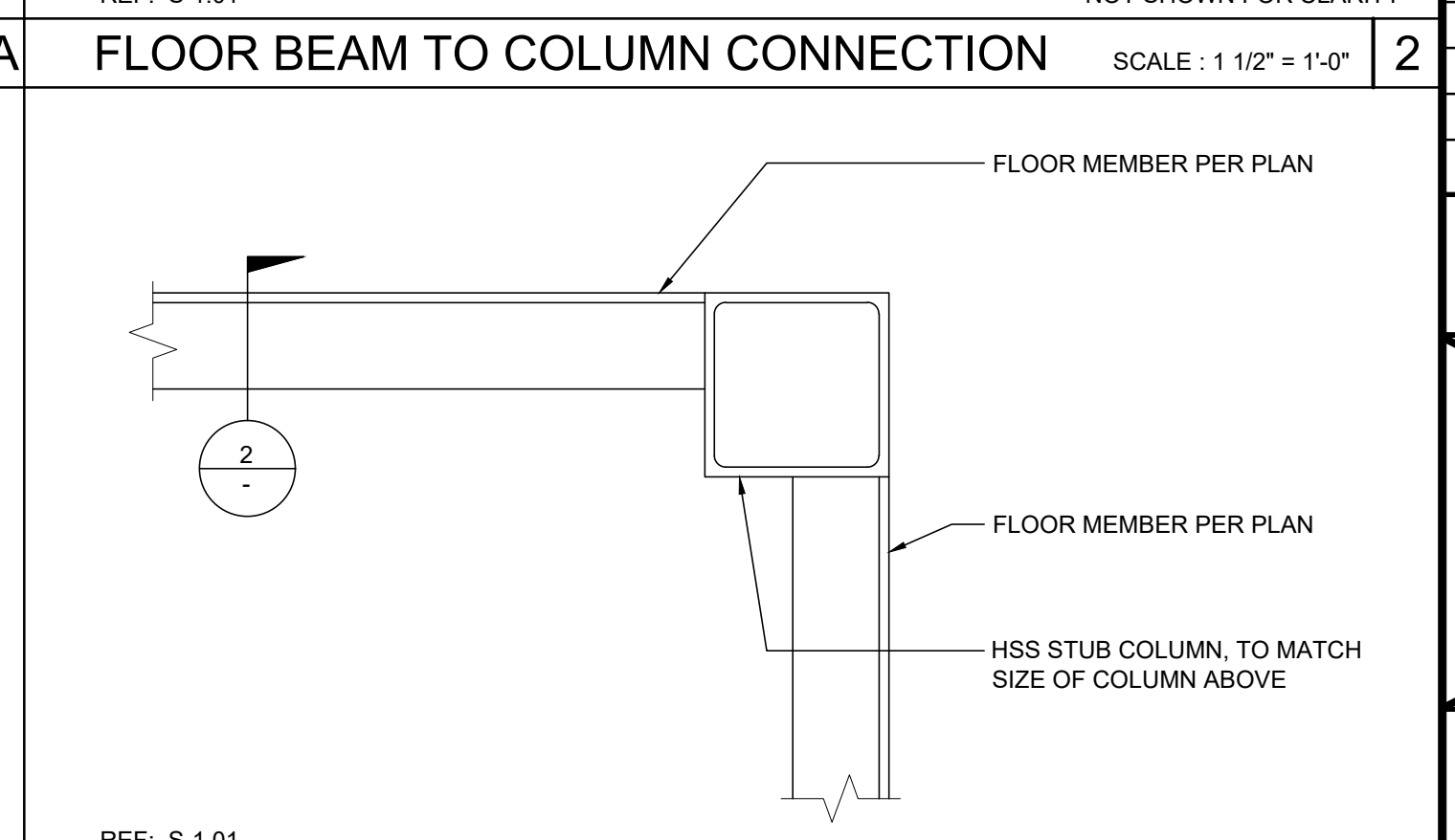
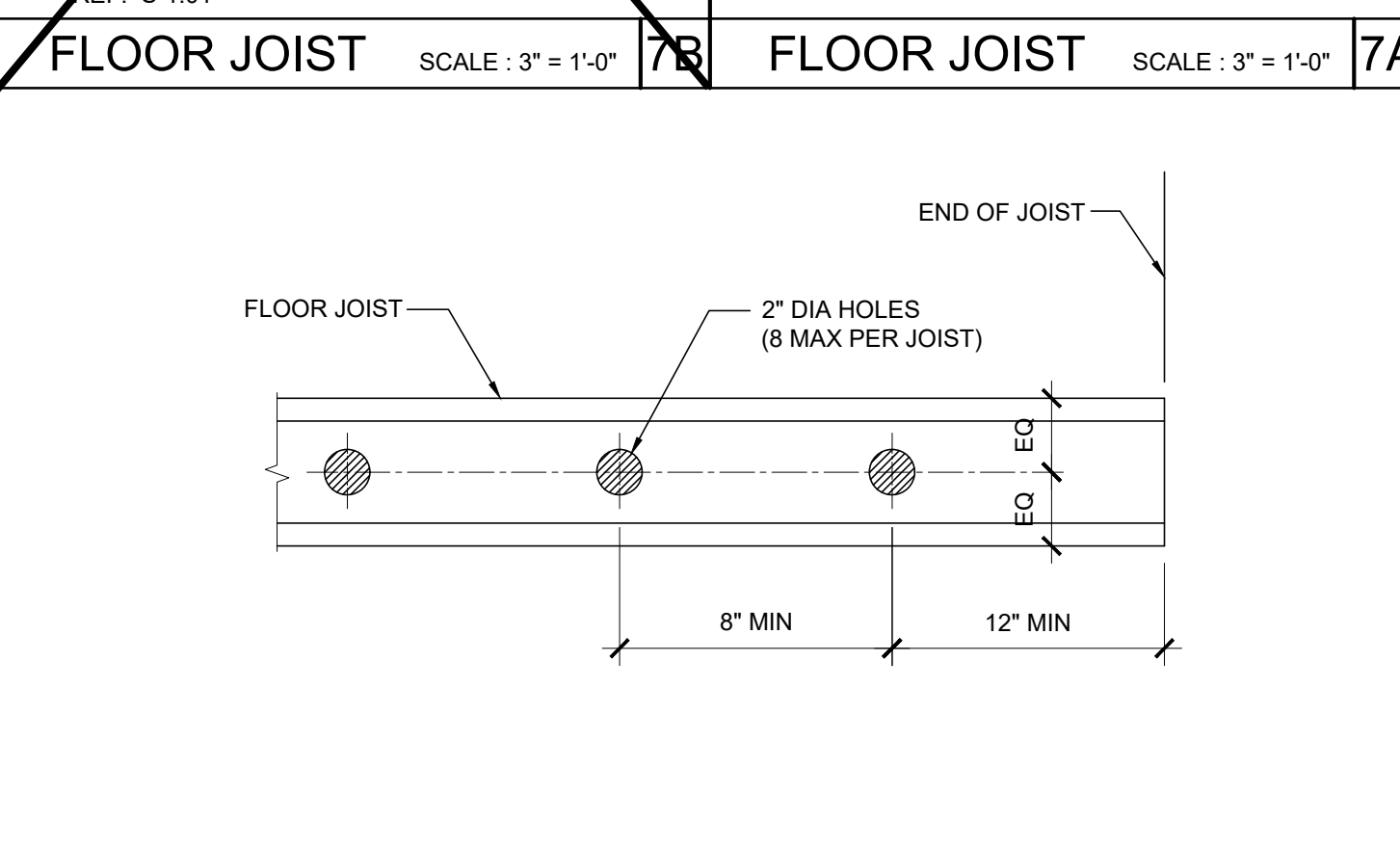
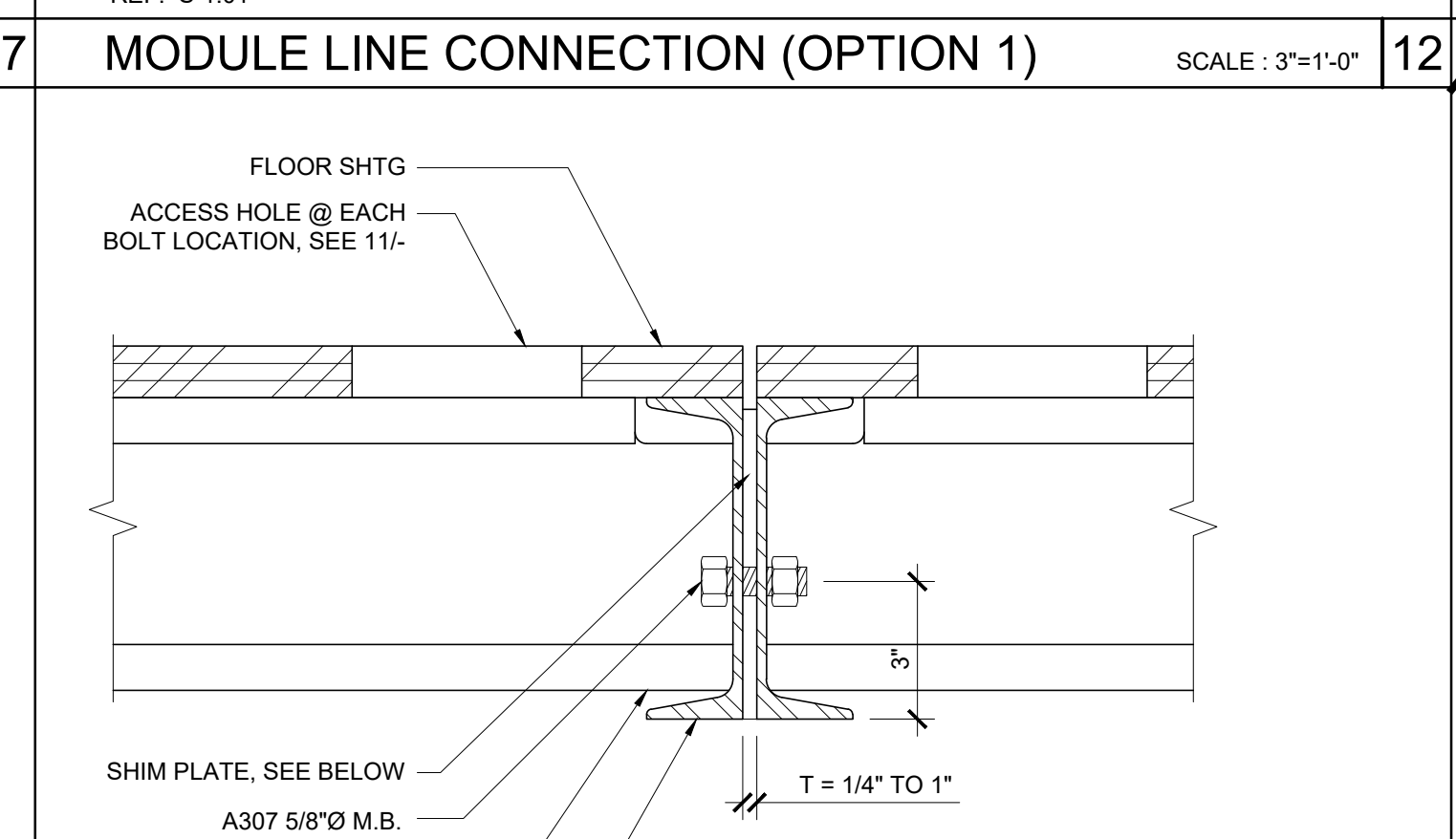
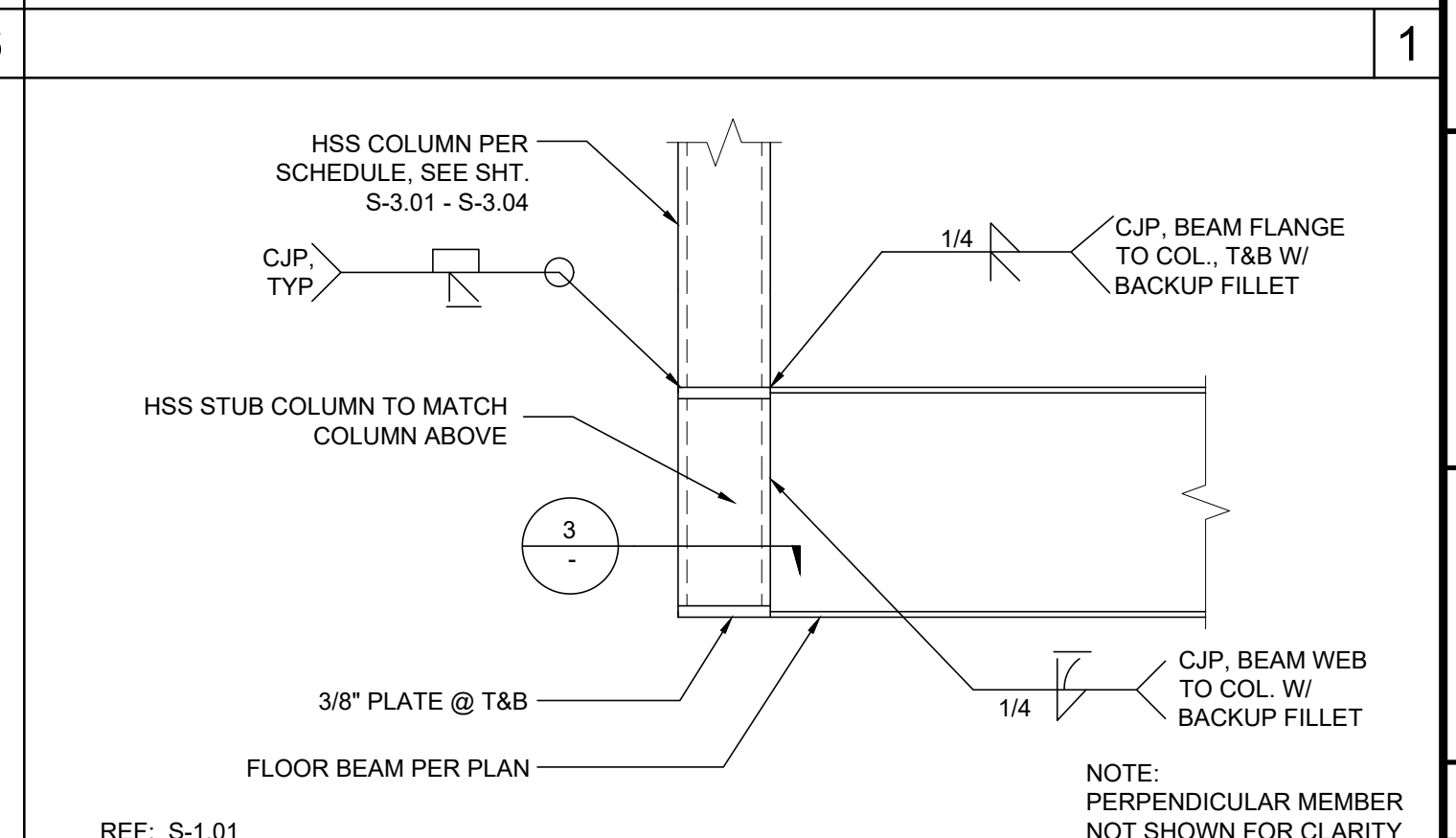
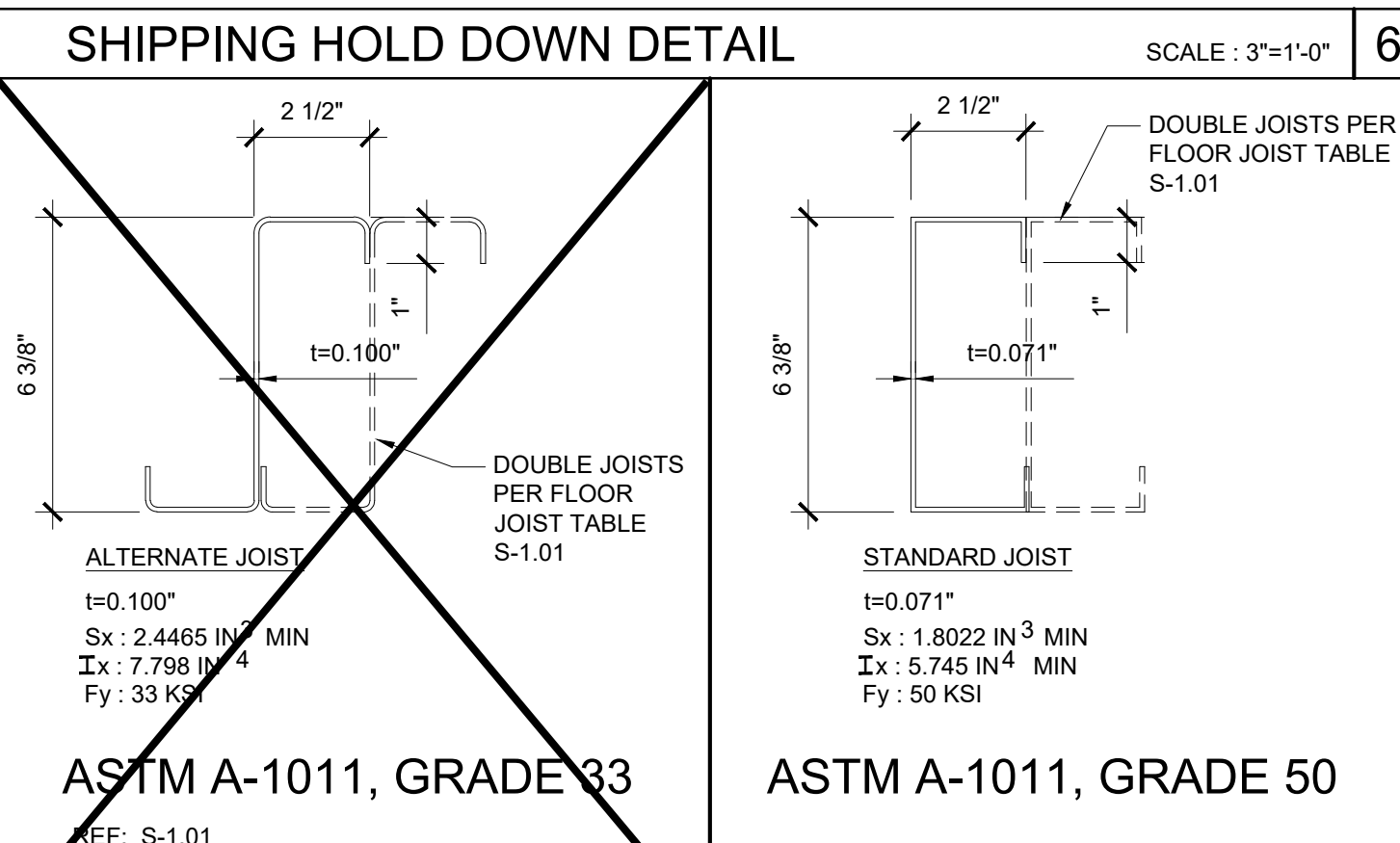
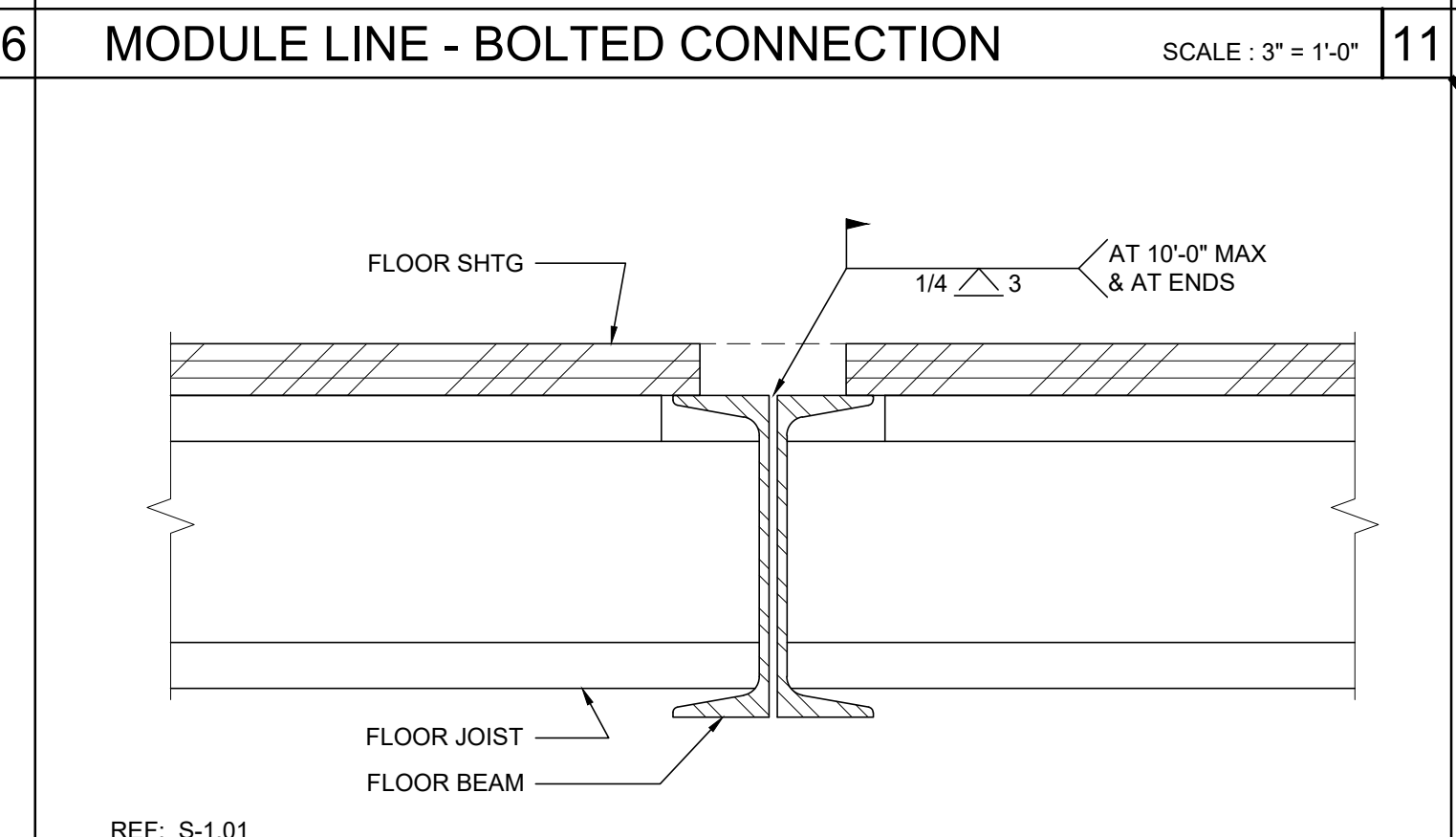
PC STATE AGENCY APPROVAL

**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  
**S-1.50**



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DATE: 3/5/2024

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

SHEET TITLE:  
**FLOOR FRMNG  
DETILS  
WOOD FLOOR**

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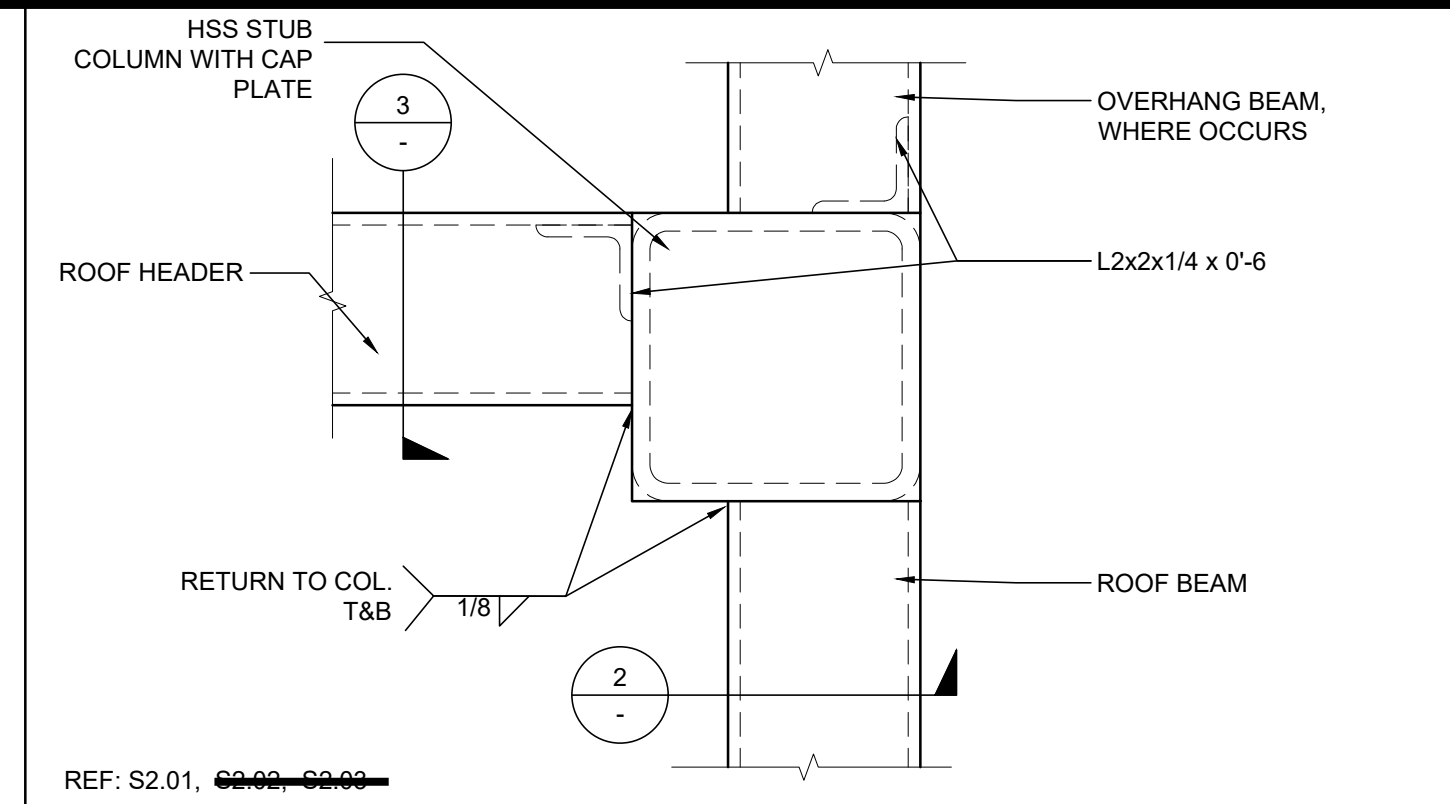
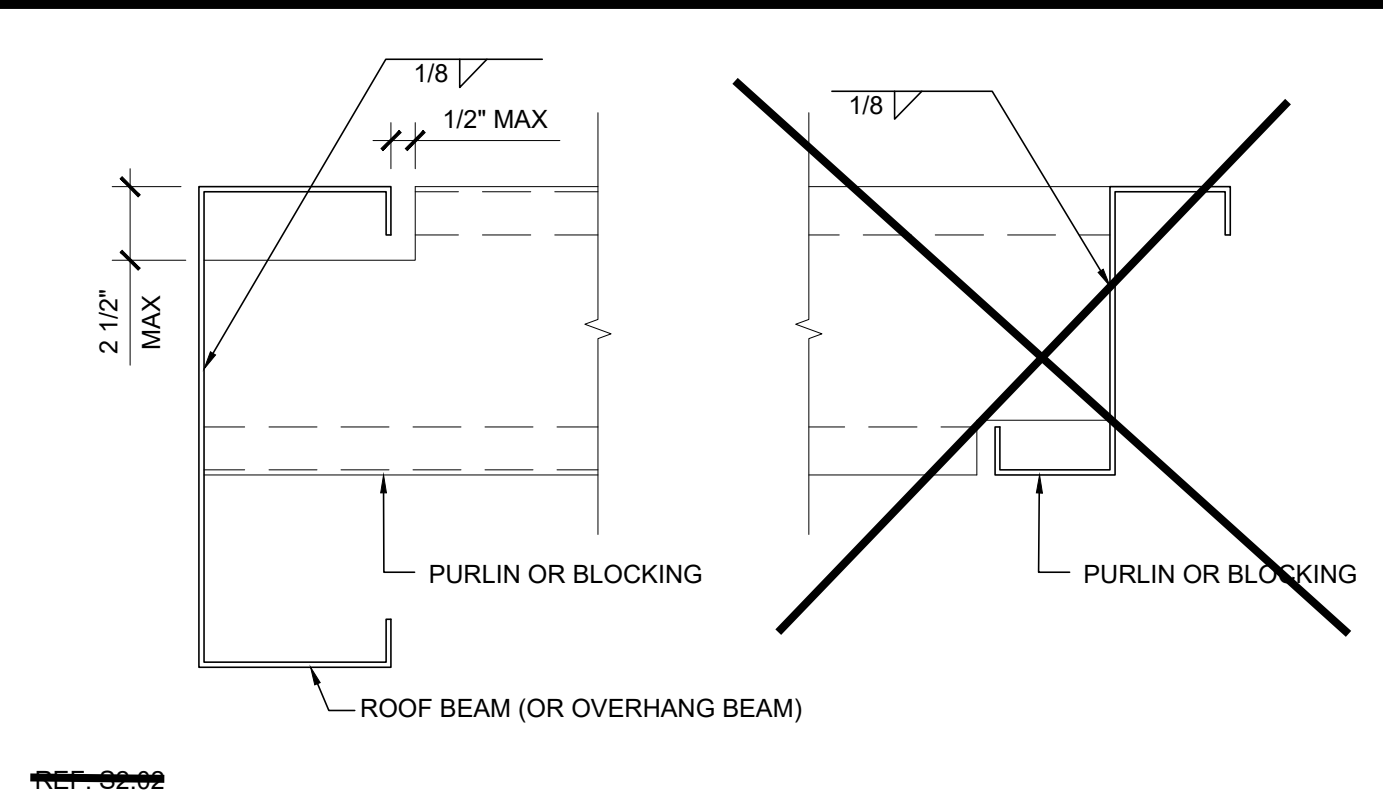
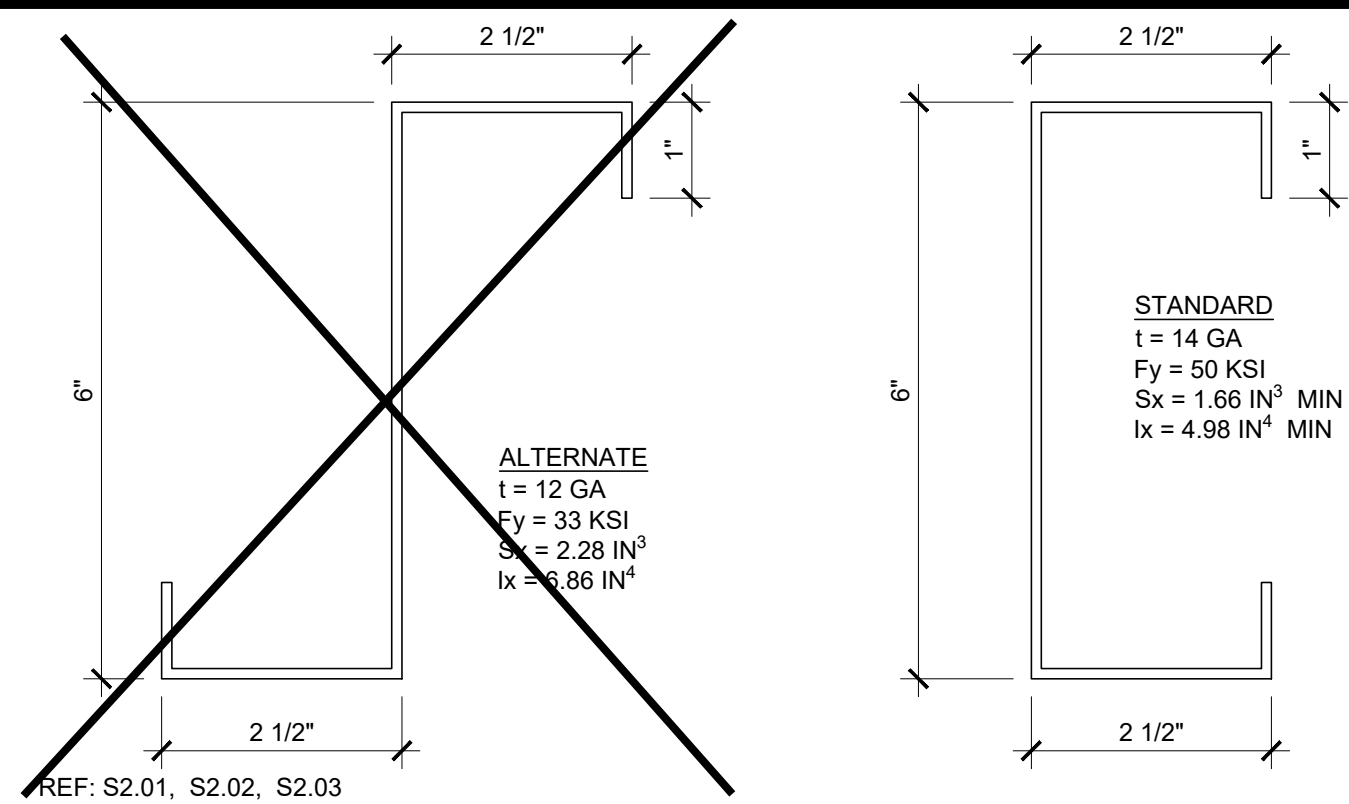
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NOT USED

16 ROOF PURLIN SCALE: 6"=1'-0" 11

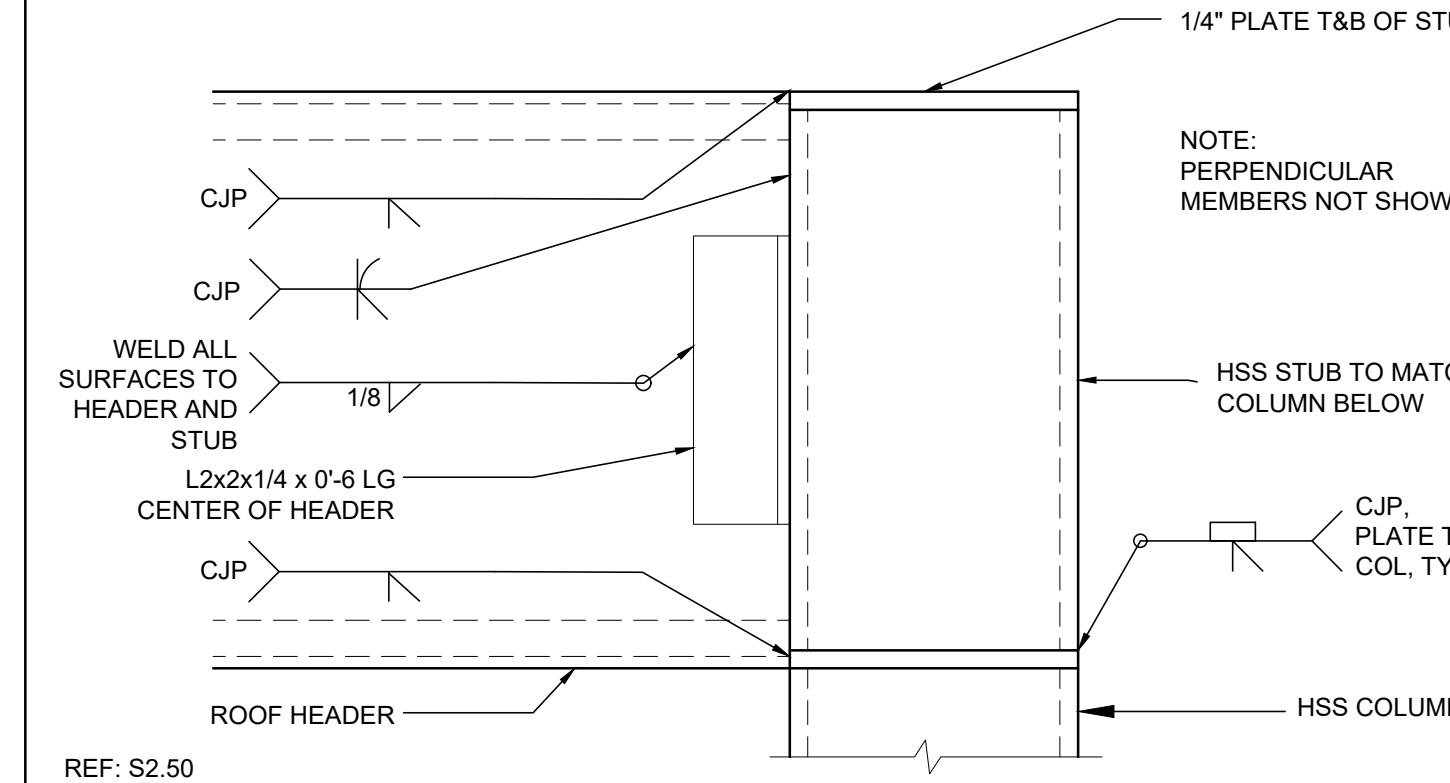
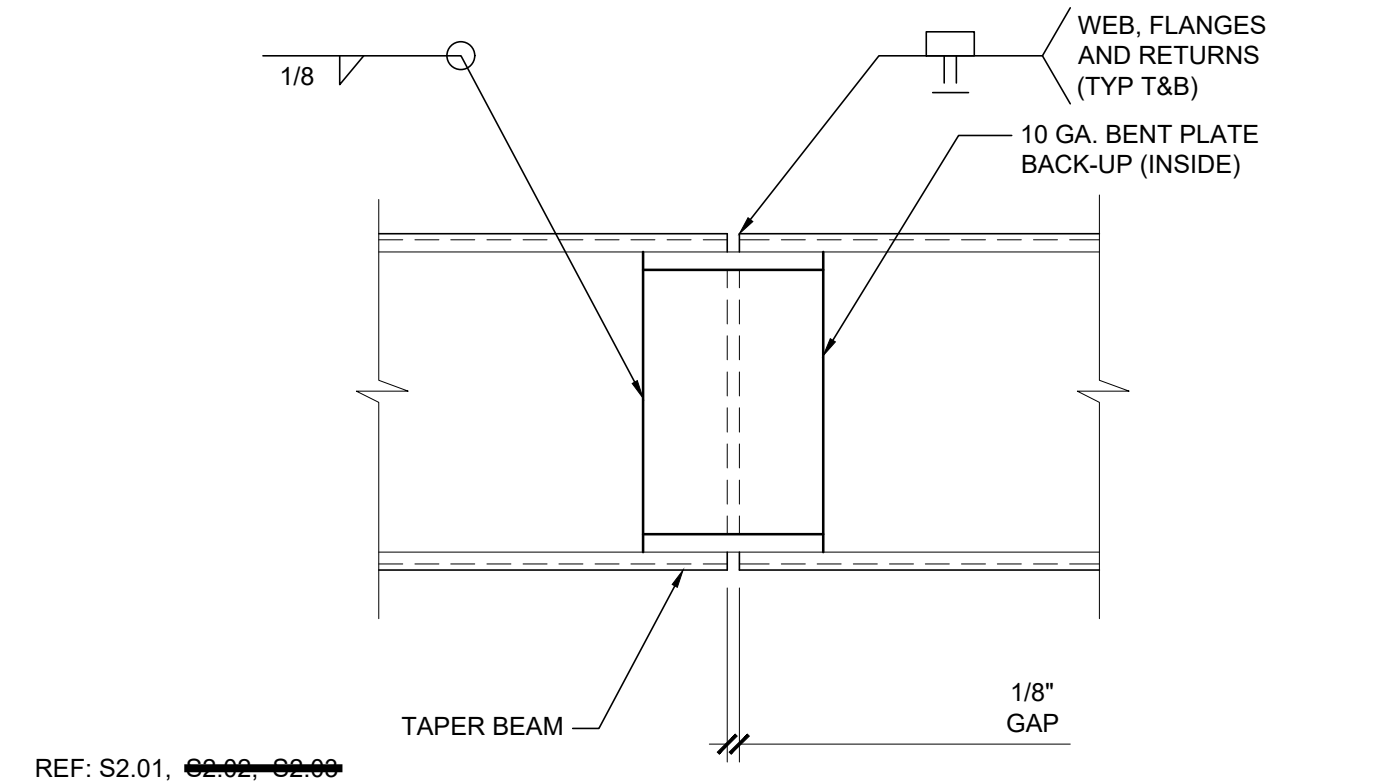
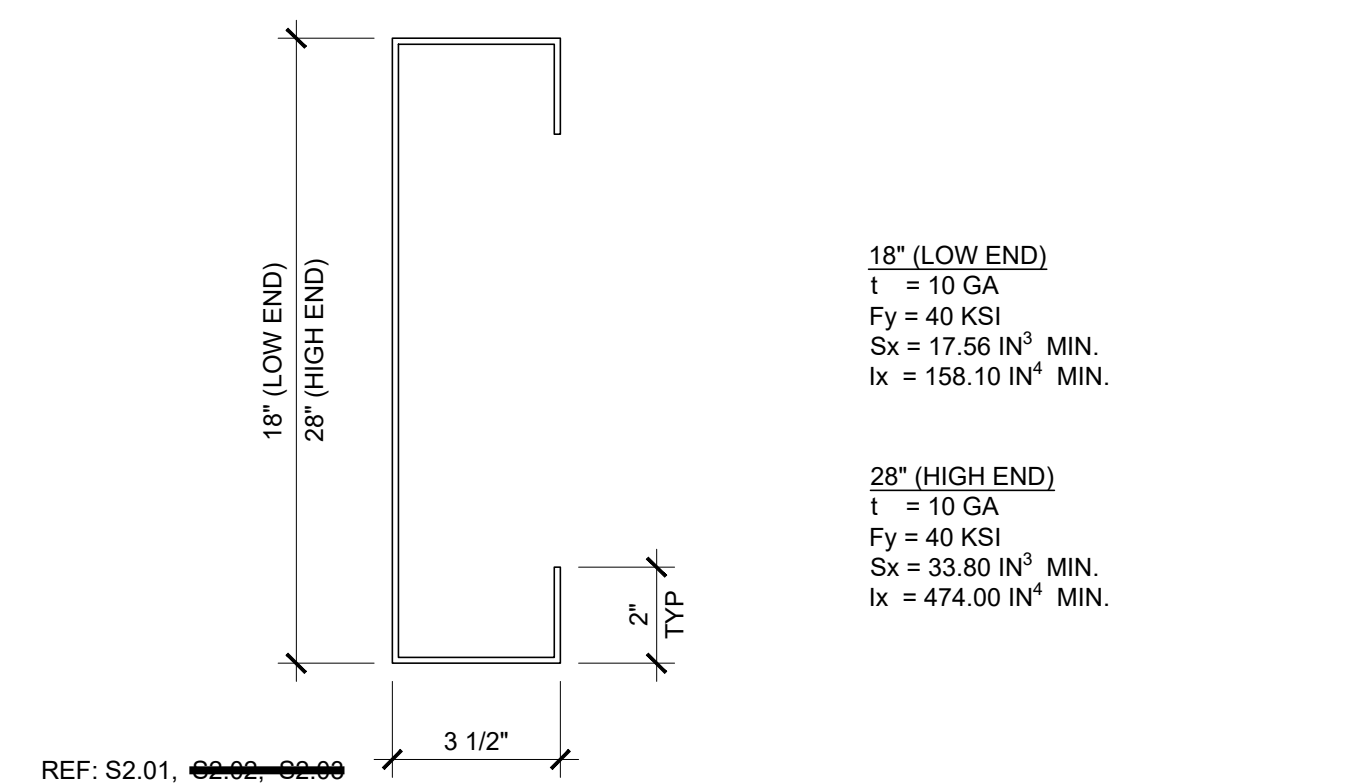
TYPICAL PURLIN CONNECTION DETAIL SCALE: 3"=1'-0" 6

COLUMN AT ROOF - PLAN SCALE: 3"=1'-0" 1

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

SHEET TITLE:  
**ROOF FRAMING  
 DETAILS  
 MONO SLOPE**

REVISIONS



NOT USED

17 ROOF HEADER SCALE: NTS 12

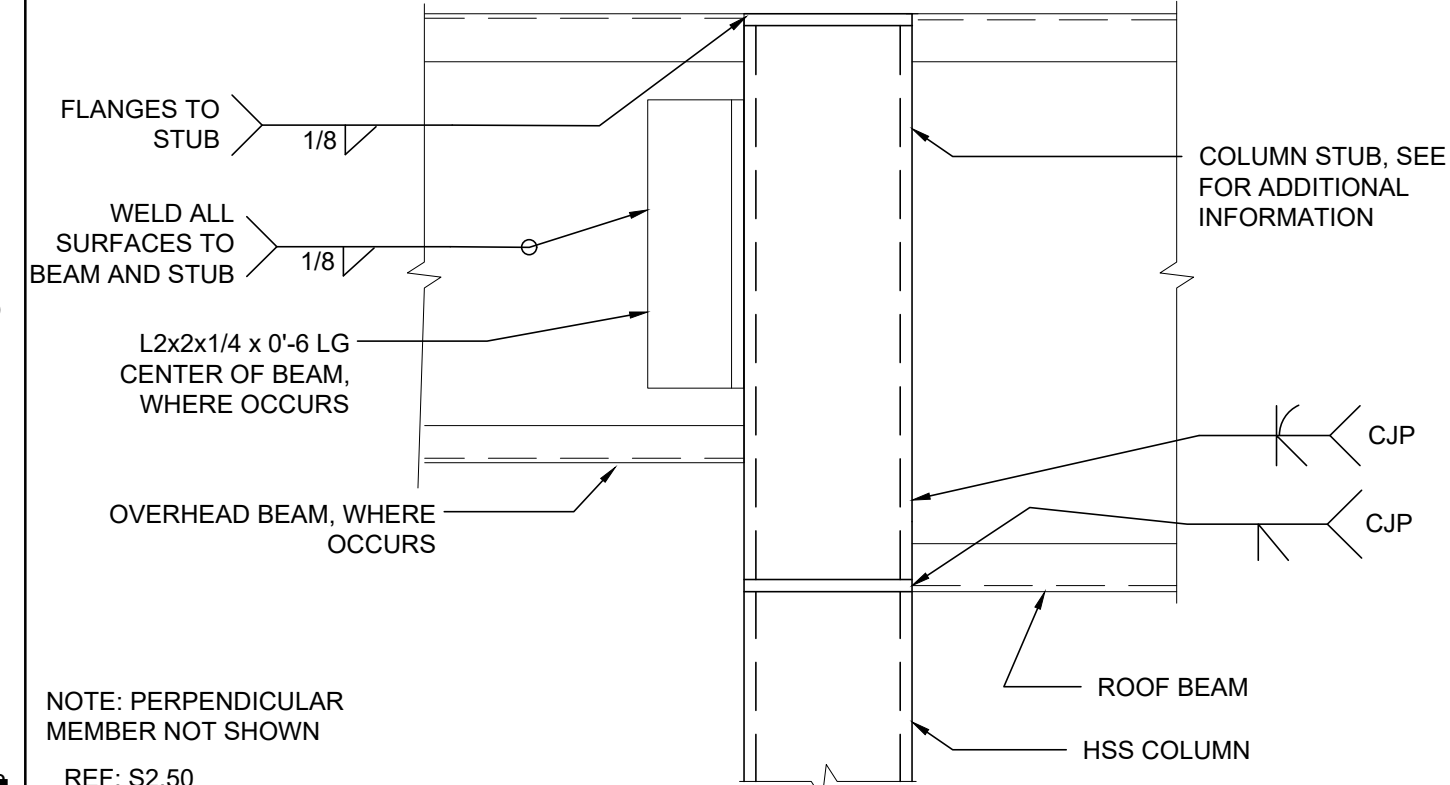
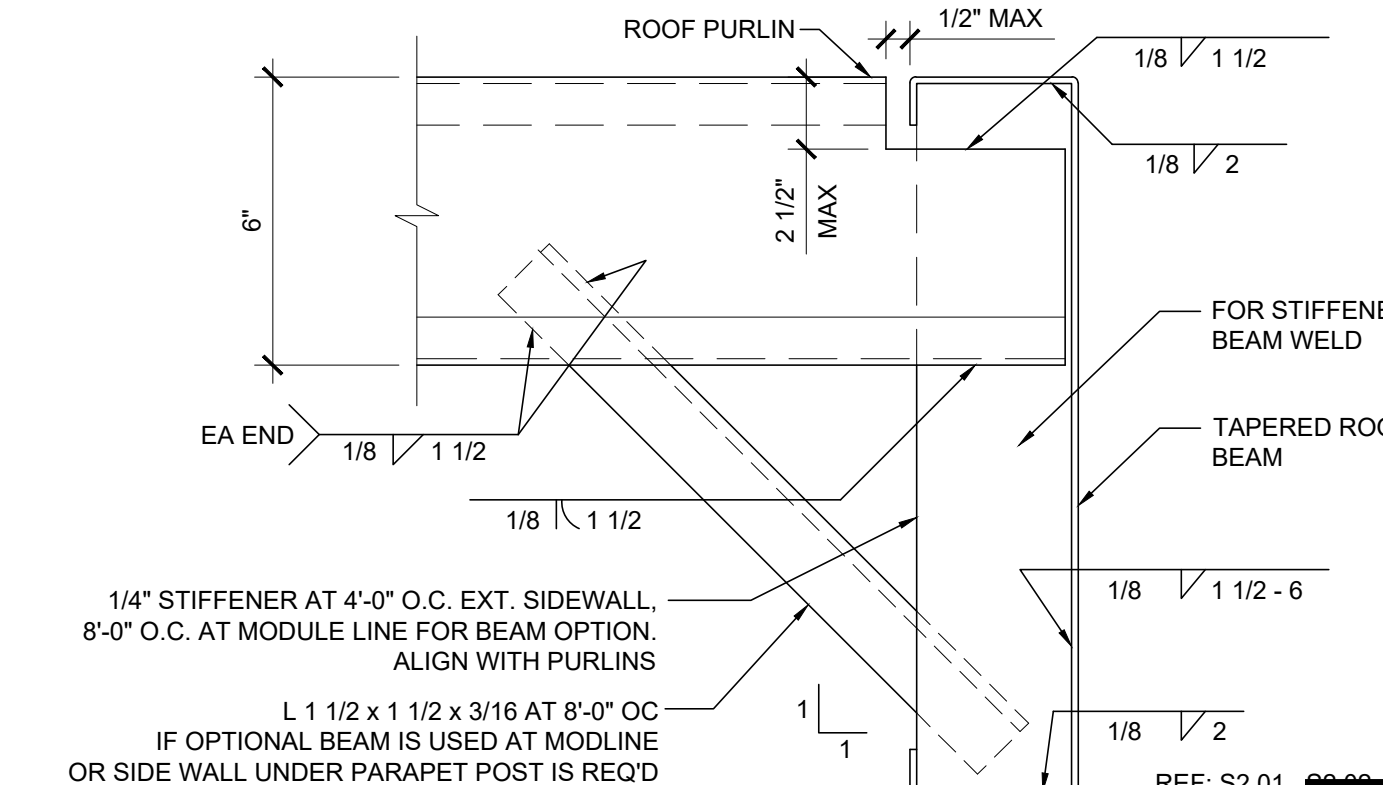
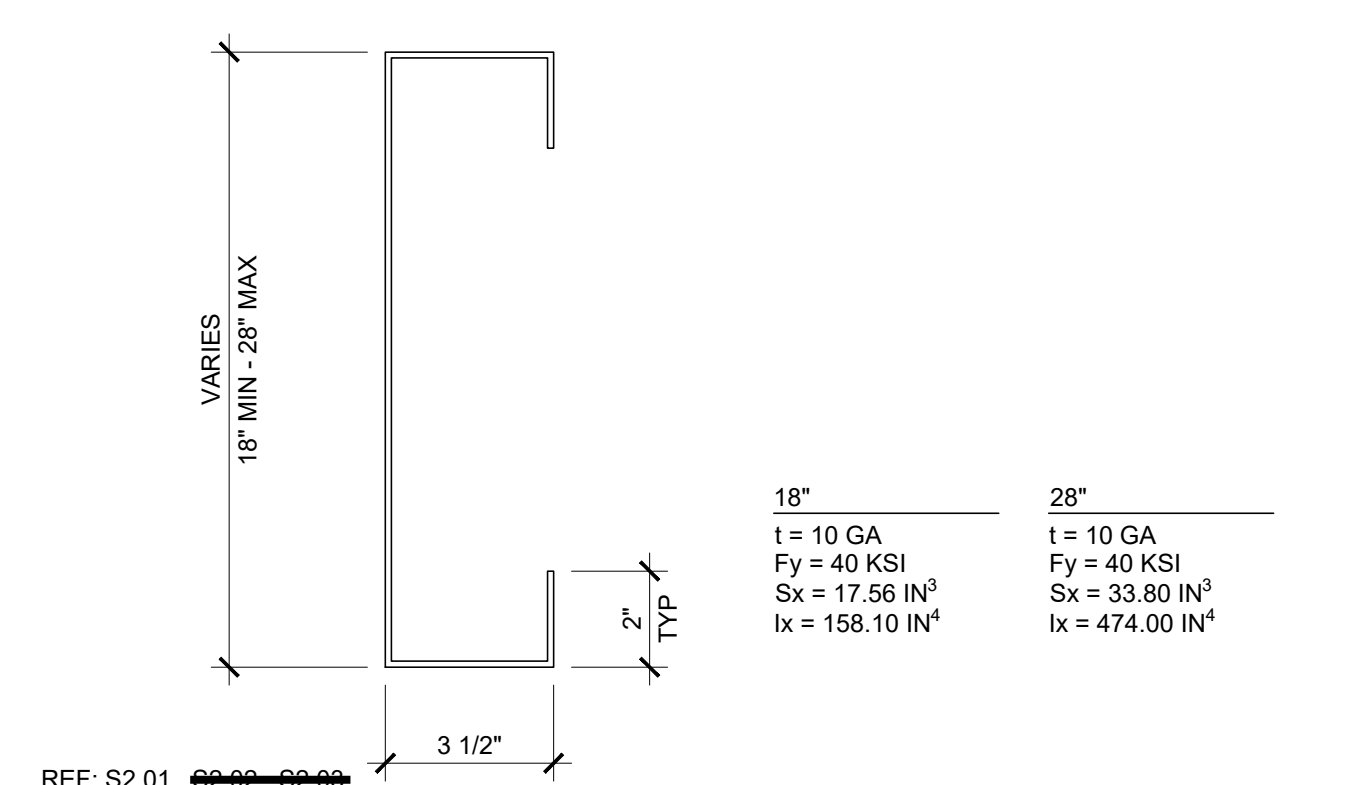
BEAM SPLICE SCALE: 3"=1'-0" 7

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

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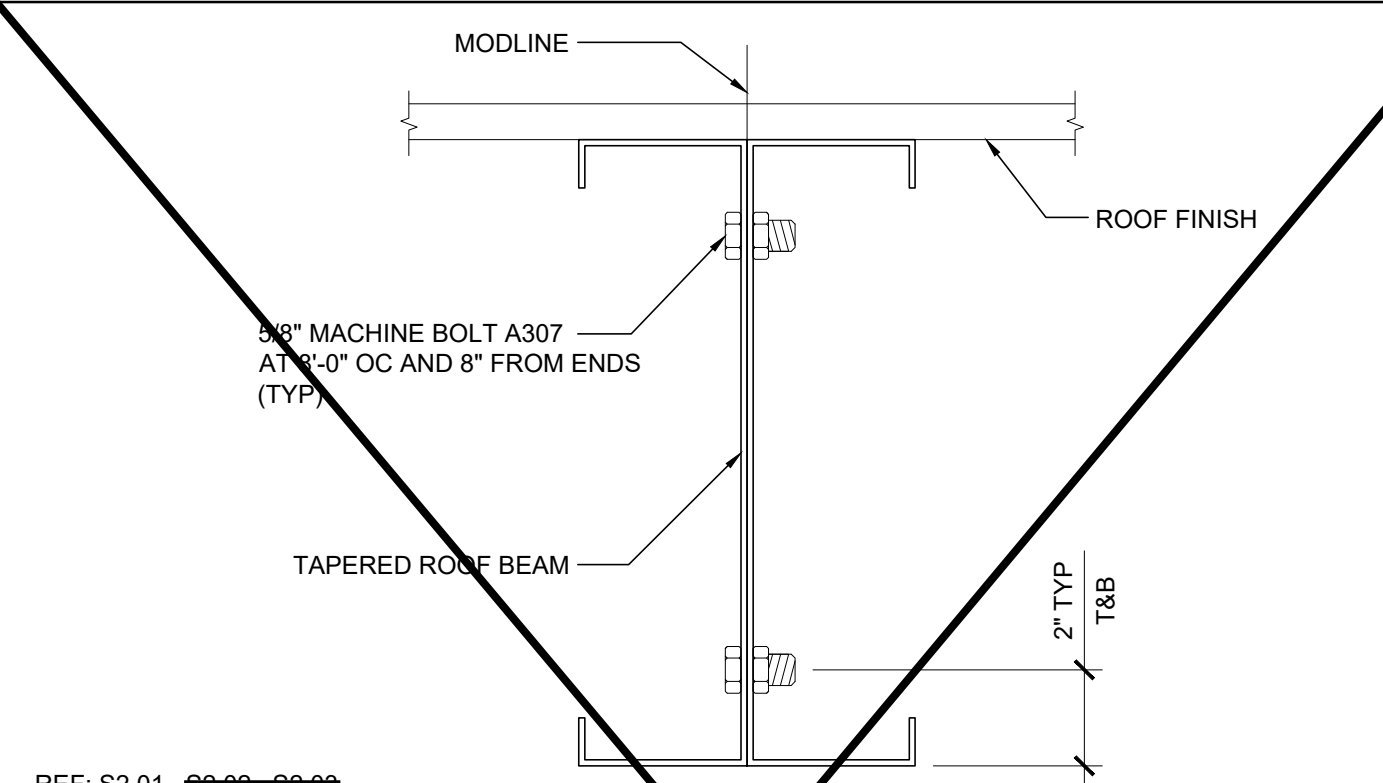
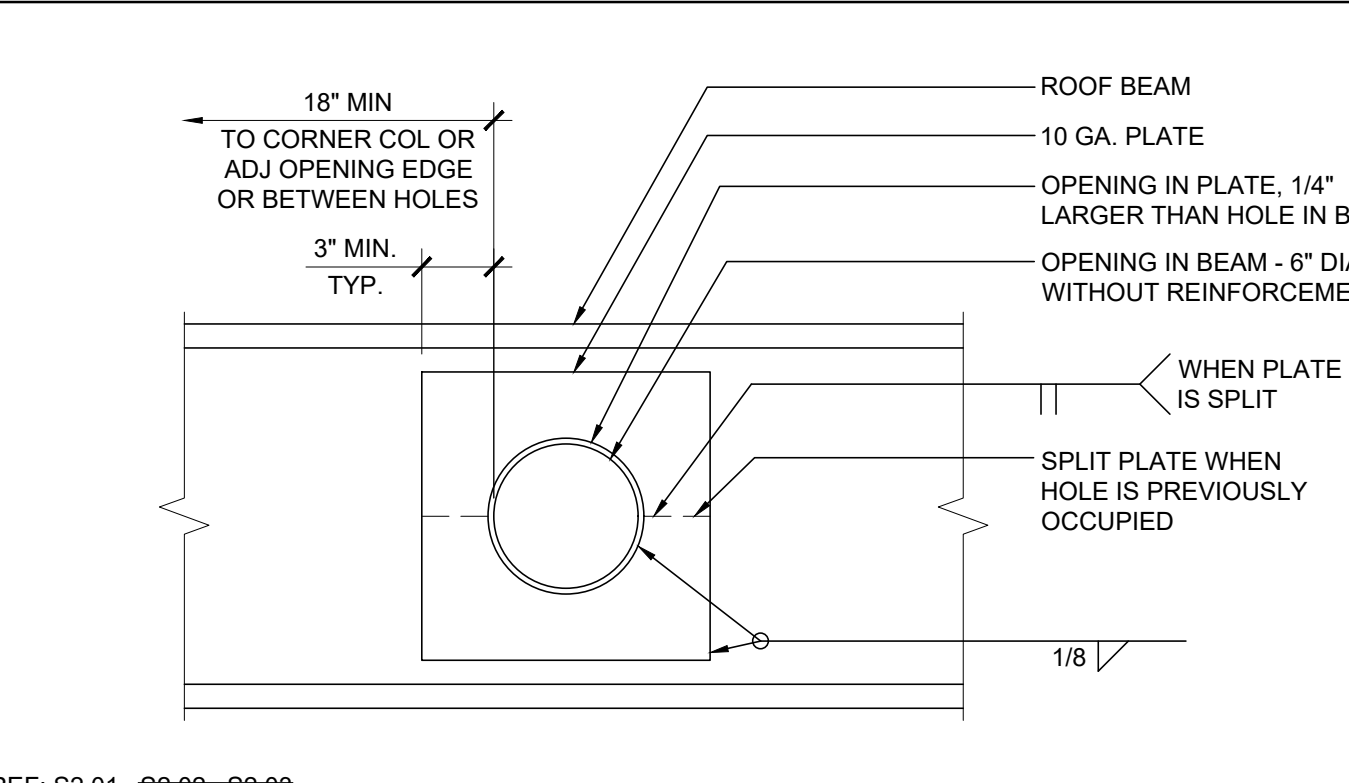
NOT USED

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

**Silver Creek**  
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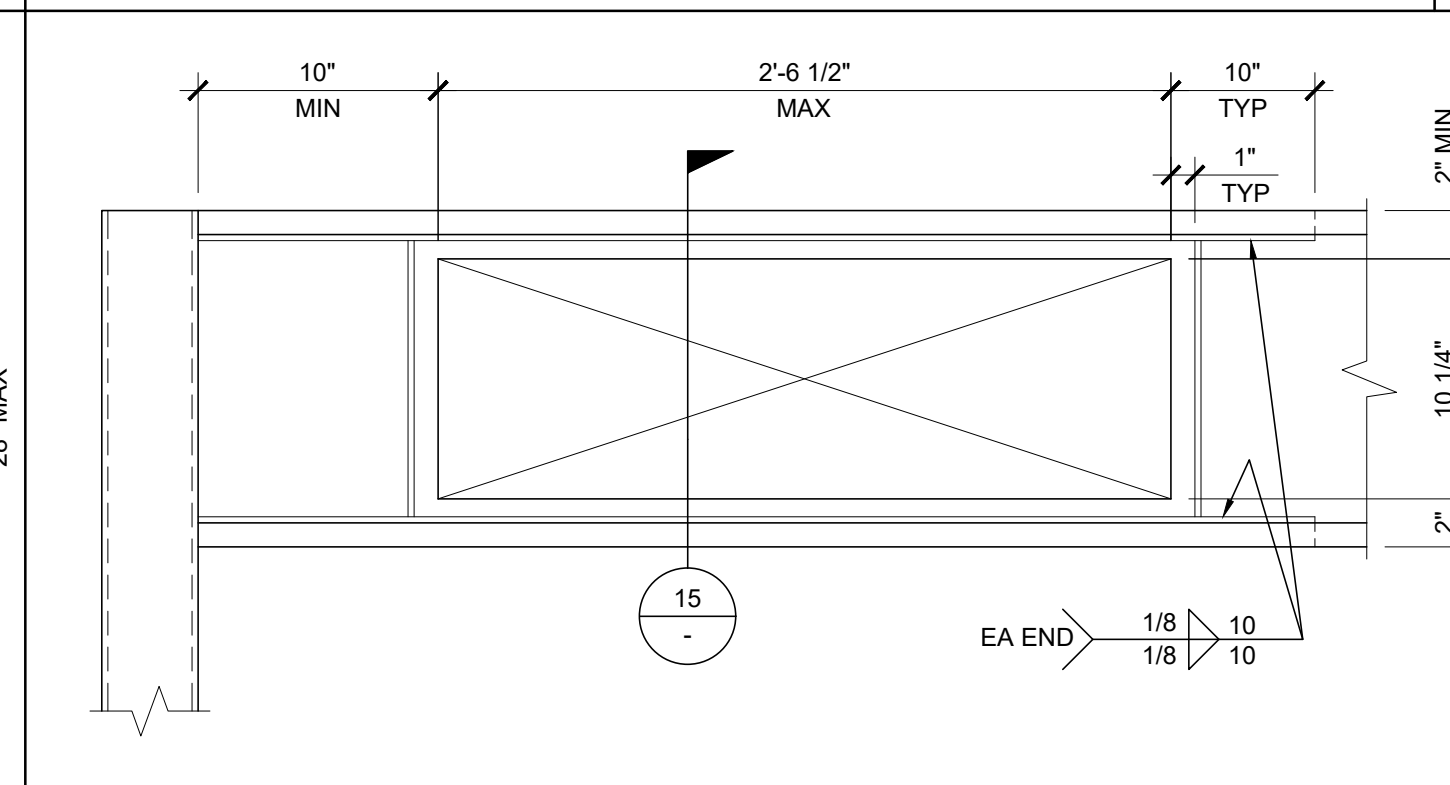
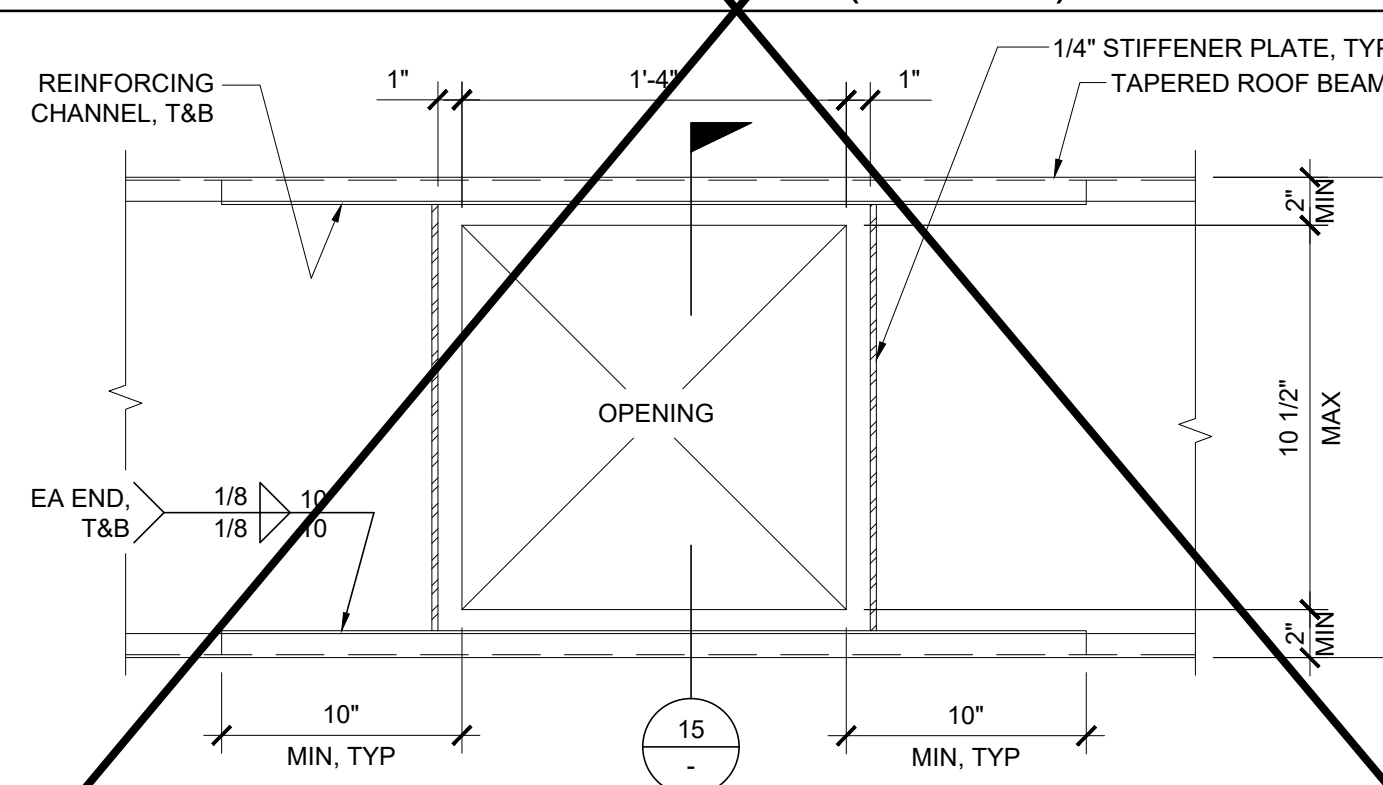
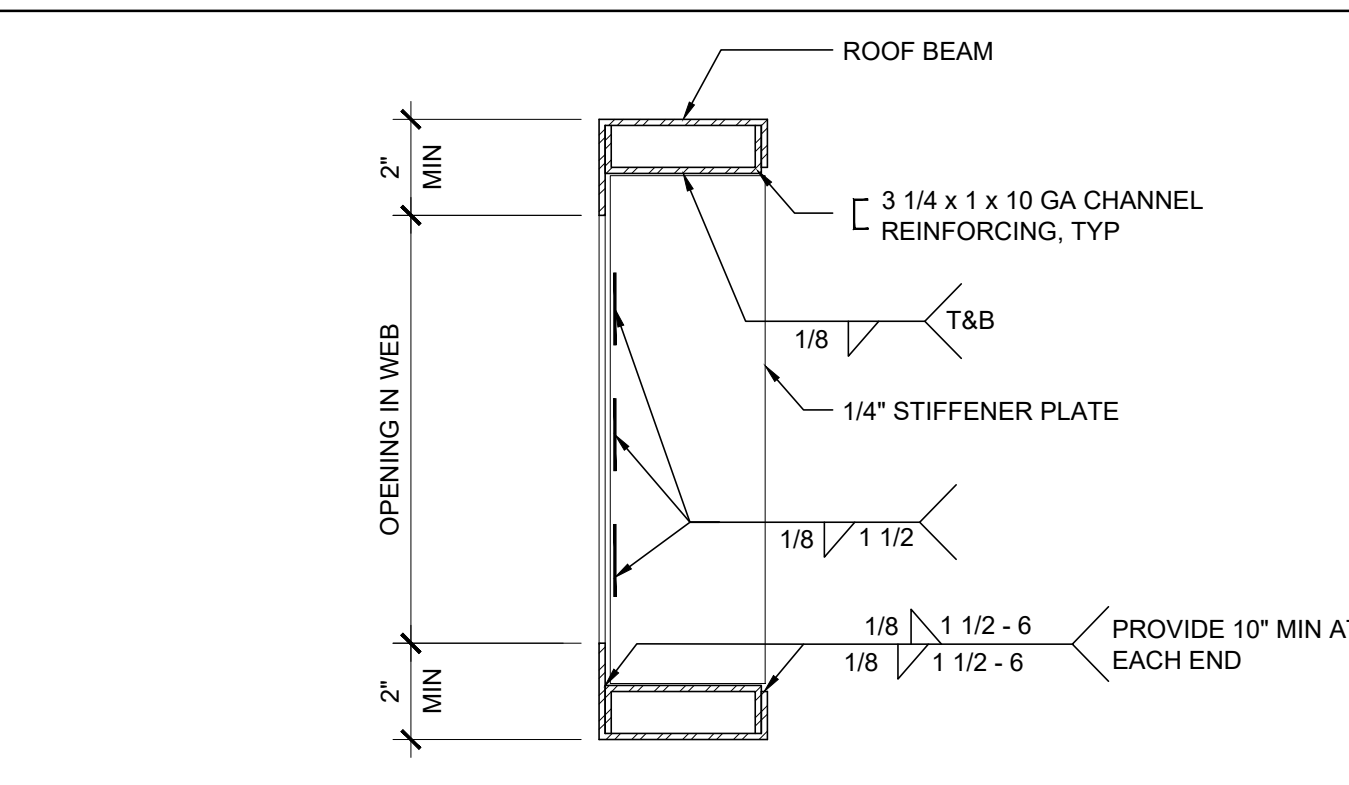
19 SIDEWALL BEAM PENETRATION SCALE: 1 1/2"=1'-0" 14

MODULE CONNECTION AT ROOF (OPTION) SCALE: 3"=1'-0" 9

NOT USED

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER  
 JOHN W. STARK  
 STRUCTURAL  
 STATE OF CALIFORNIA



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:  
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**S-2.50**

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 SOMERSET M.S.  
 (2) 24' x 40'  
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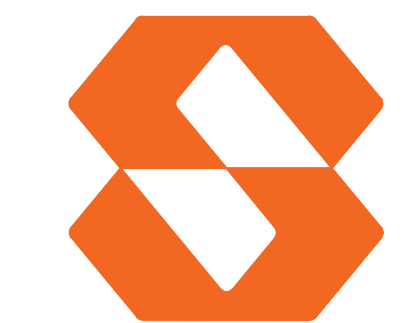
SHEET TITLE:  
**ROOF FRAMING  
 DETAILS**

REVISIONS

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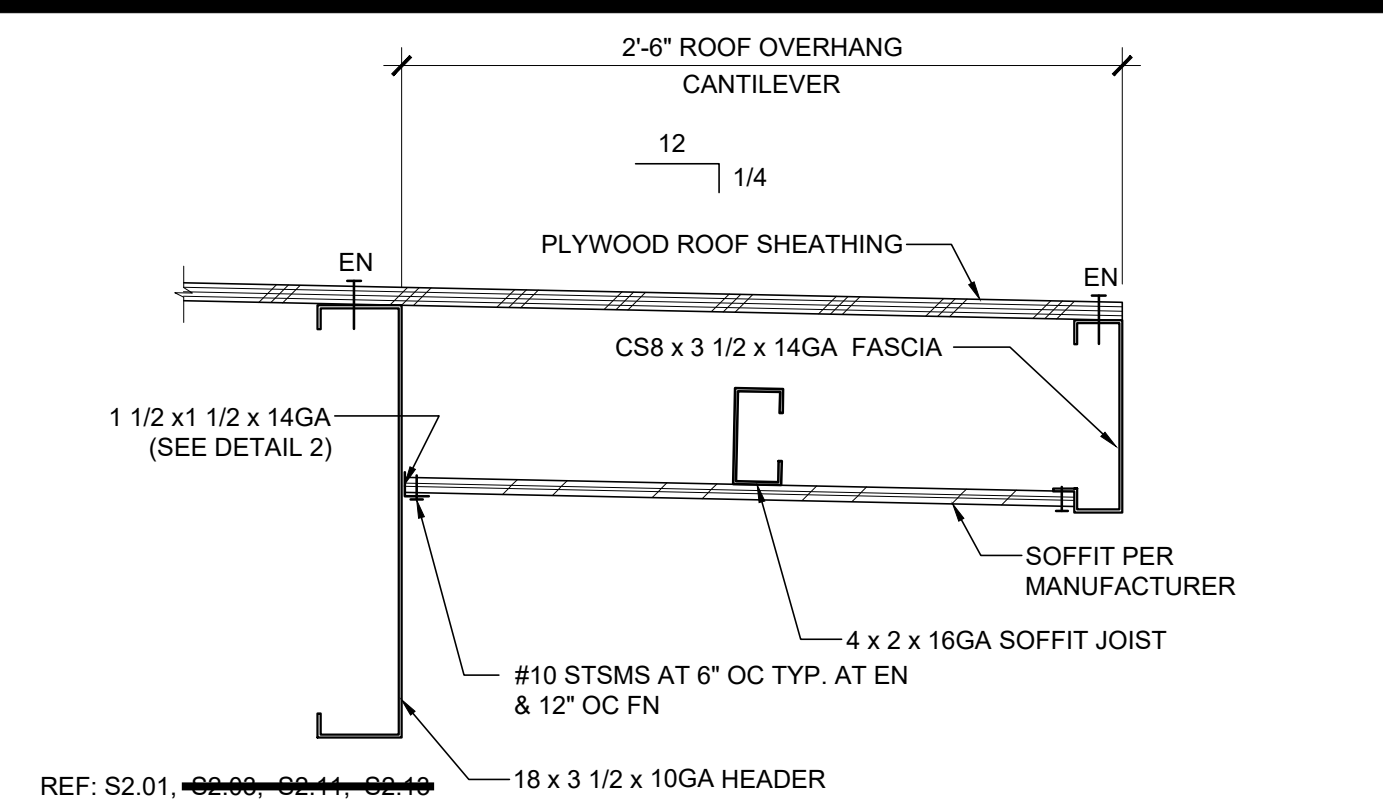


SILVER CREEK INDUSTRIES  
 24' x 40' PC

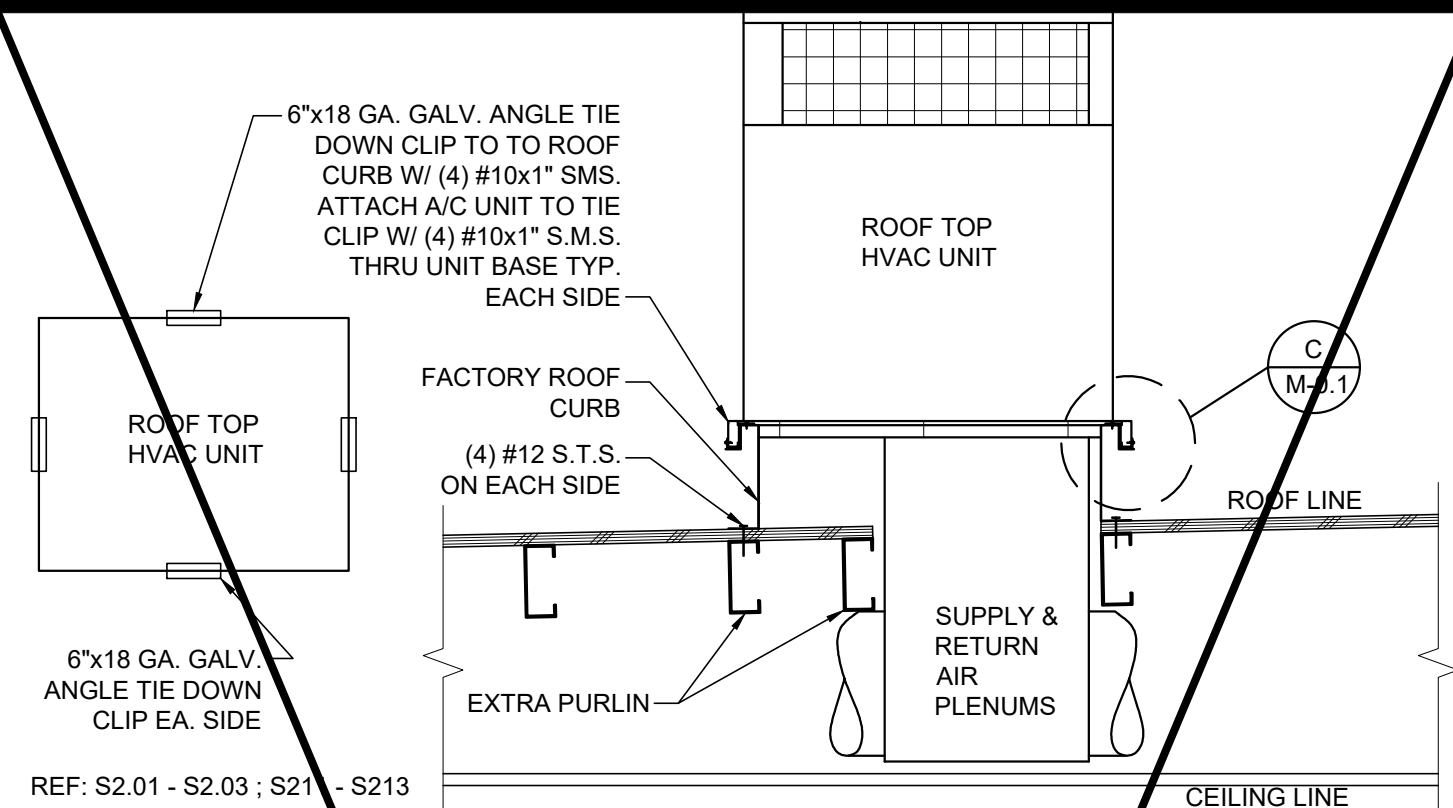
PROJECT NO:  
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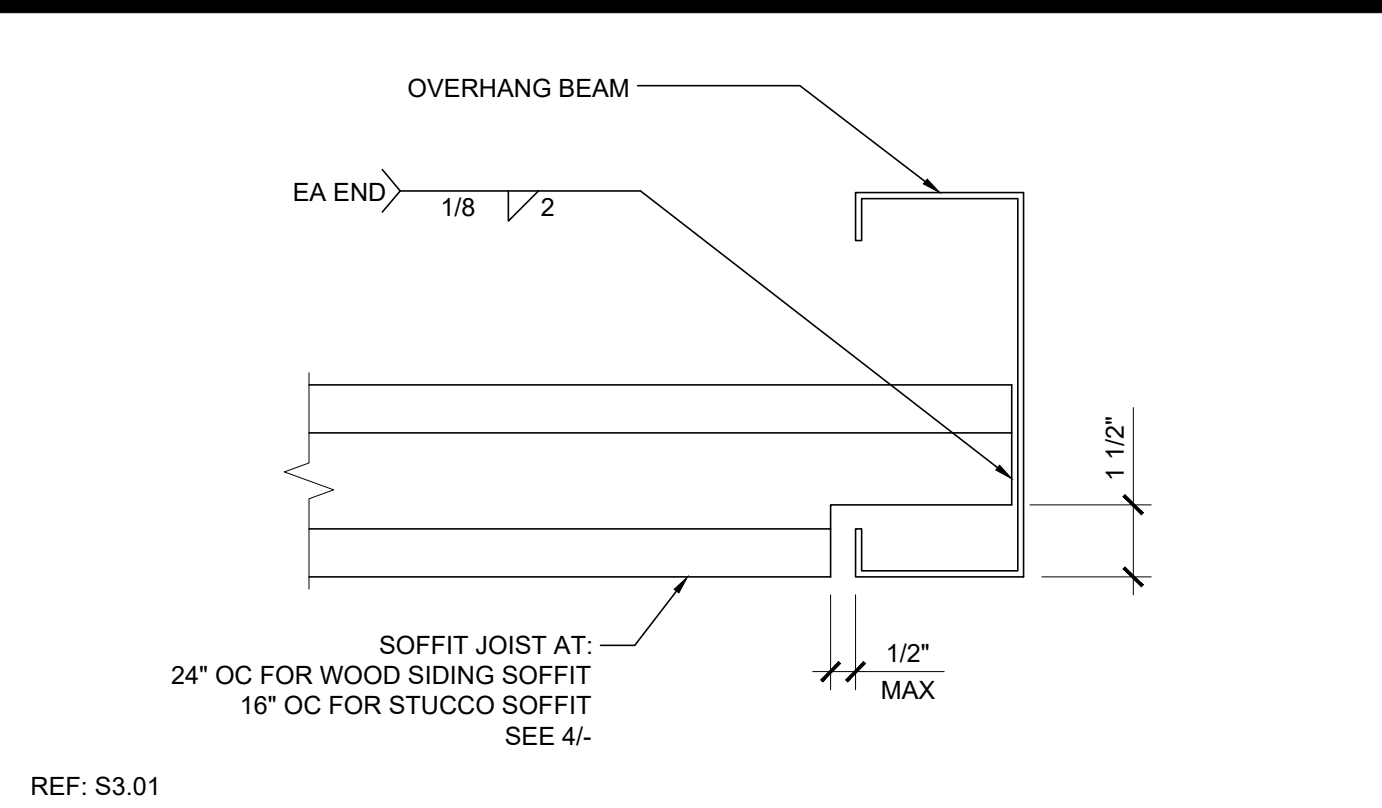
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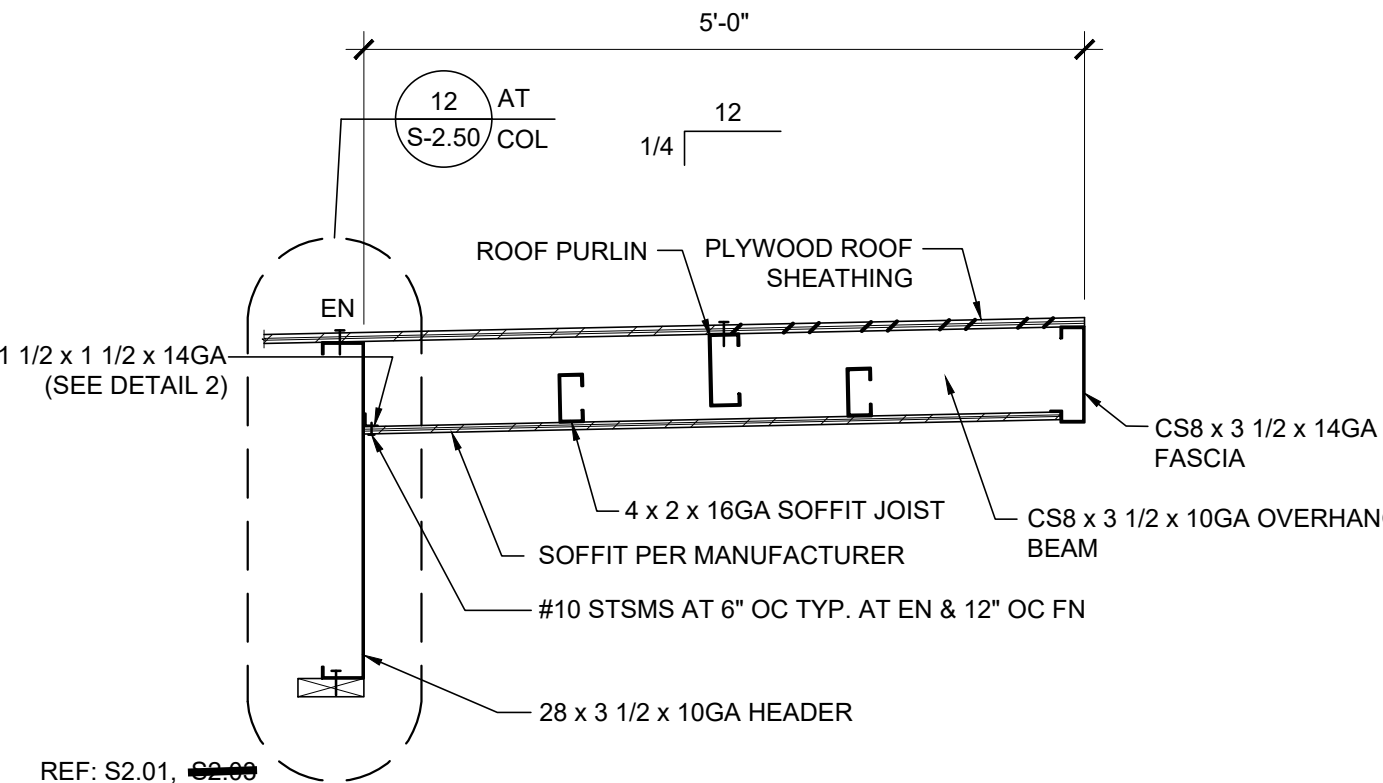
REF: S2.01, ~~S2.02, S2.11, S2.12~~  
**REAR OVERHANG SECTION** SCALE: 1/2" = 1'-0" **11**



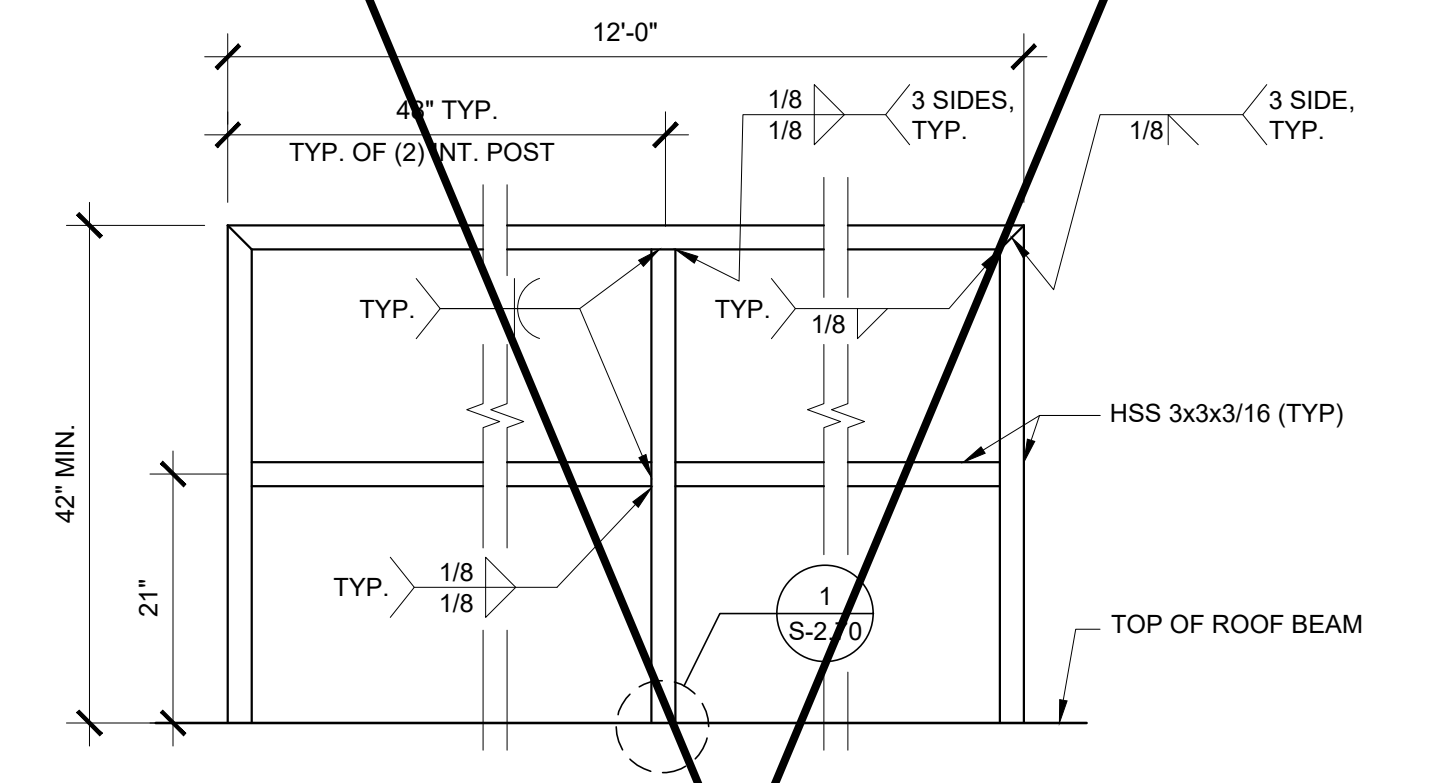
REF: S2.01 - S2.03; S211 - S213  
**HVAC CURB ATTACHMENT** SCALE: 3/4" = 1'-0" **6**



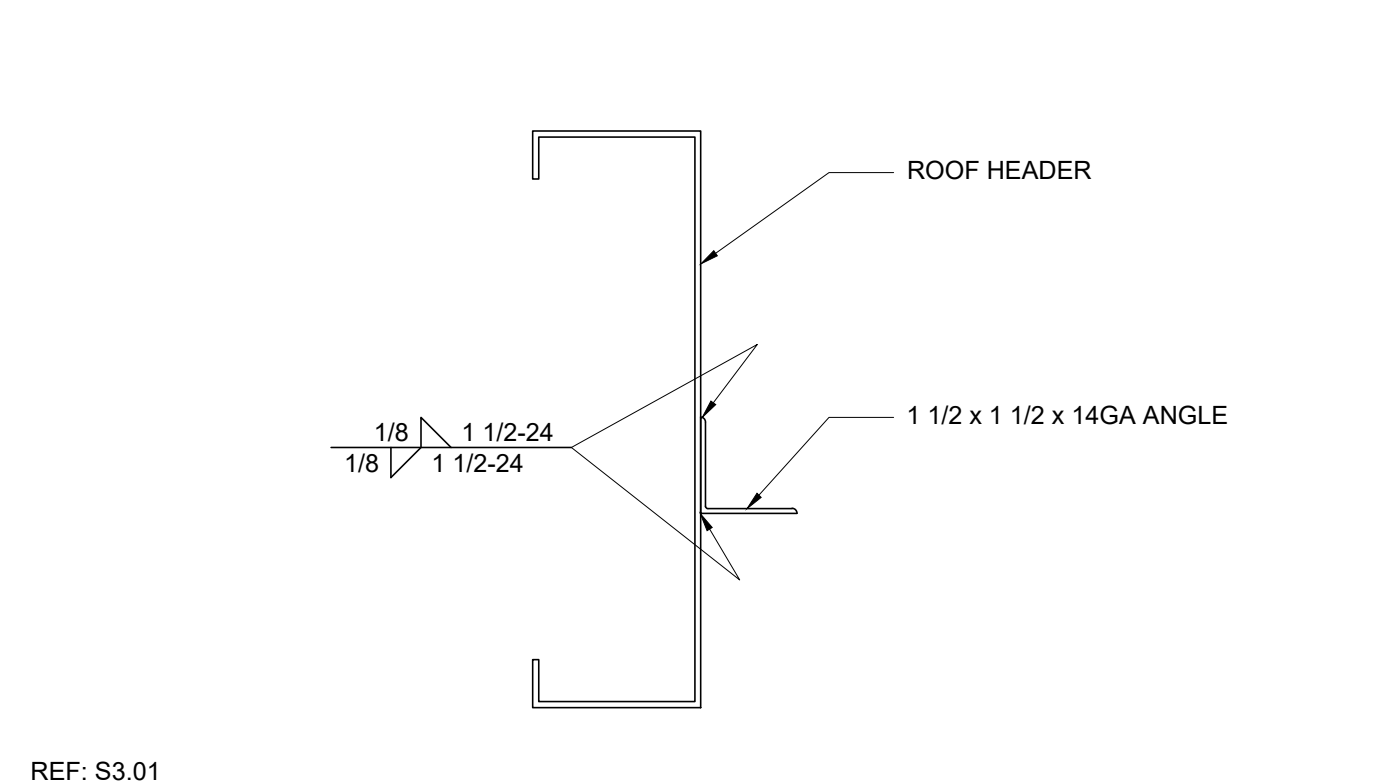
REF: S3.01  
**SOFFIT JOIST TO OVERHANG BEAM** SCALE: 3" = 1'-0" **1**



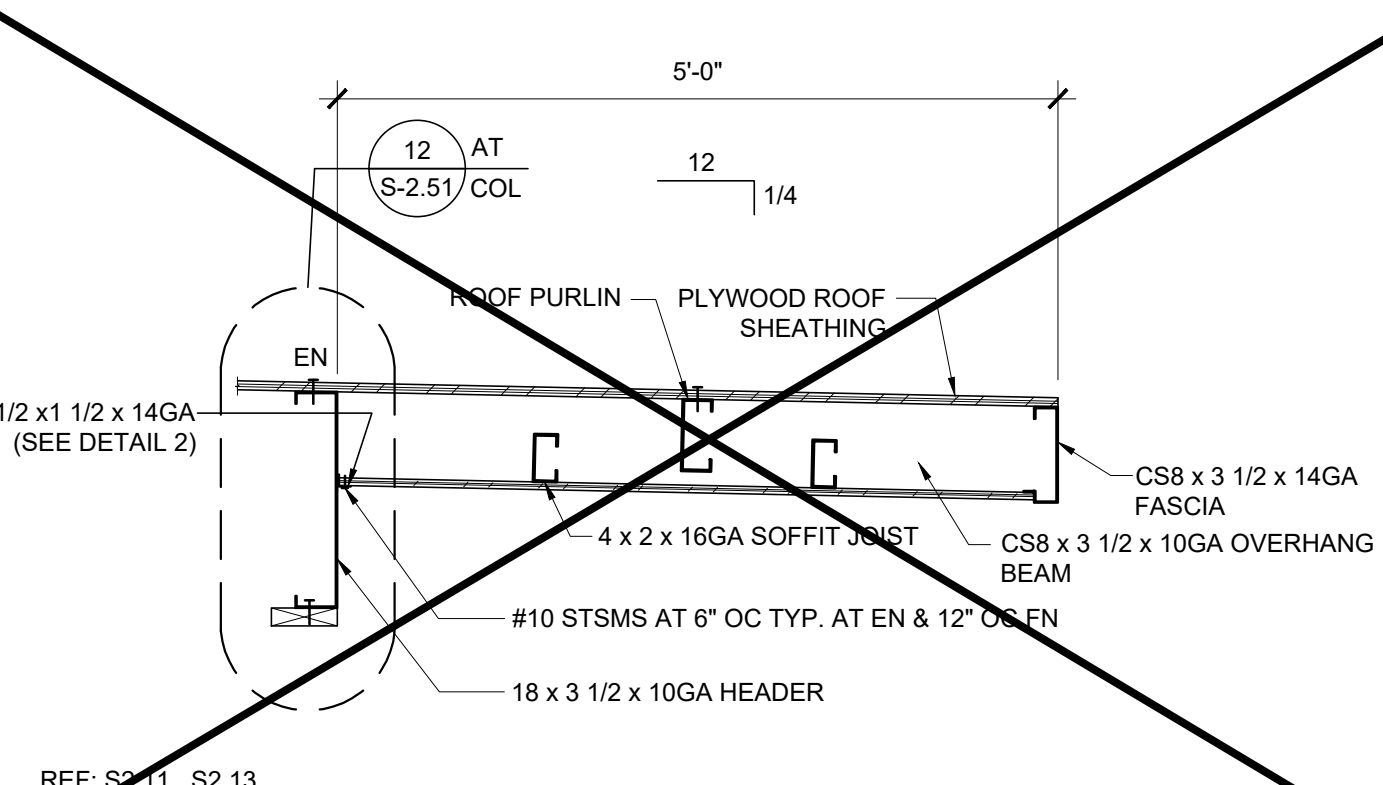
REF: S2.01, ~~S2.02~~  
**FRONT OVERHANG SECTION - MONO SLOPE** SCALE: 3/4" = 1'-0" **12**



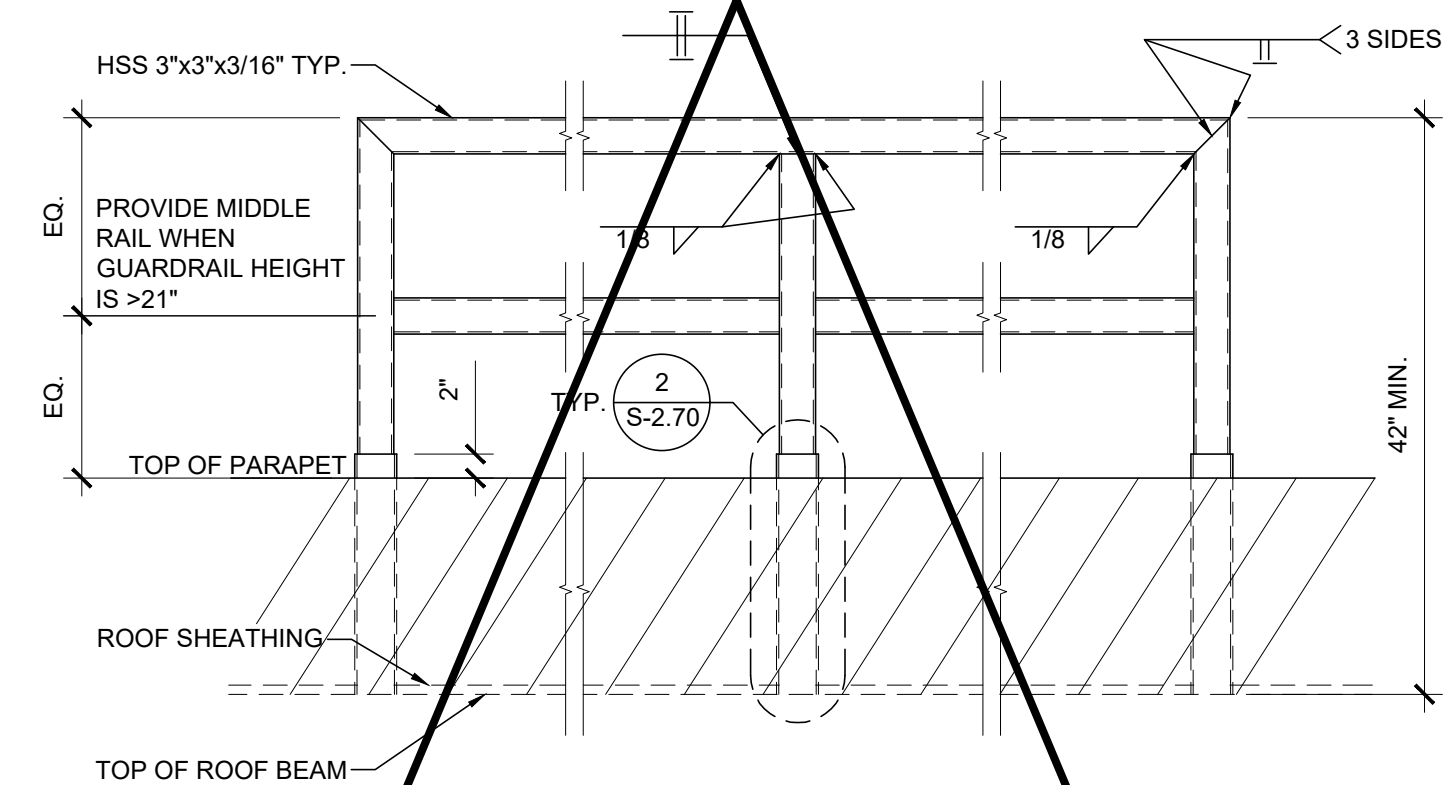
REF: S2.01, ~~S2.02, S2.11, S2.12~~  
**GUARDRAIL AT SIDEWALL** SCALE: 3/4" = 1'-0" **7**



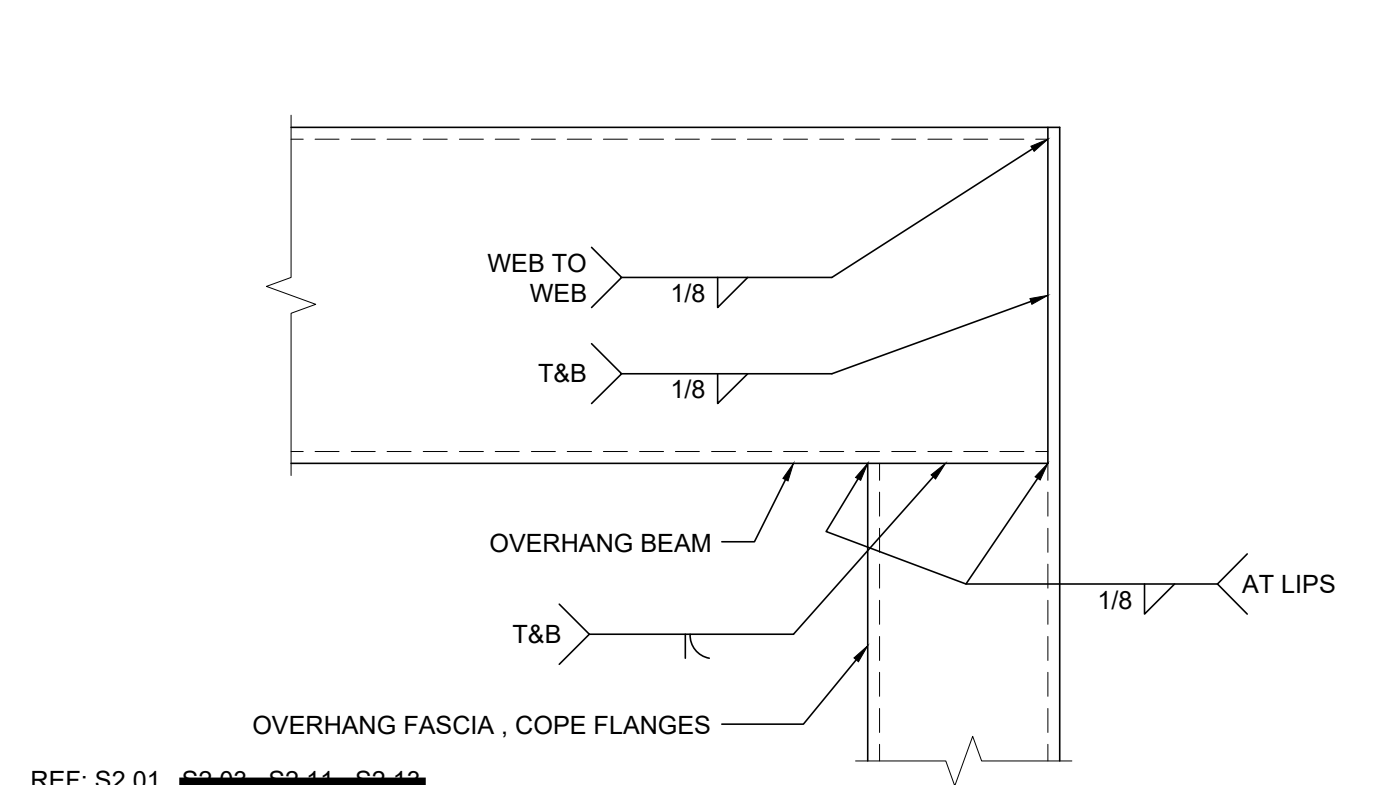
REF: S3.01  
**SOFFIT ANGLE TO HEADER CONNECTION** SCALE: 3" = 1'-0" **2**



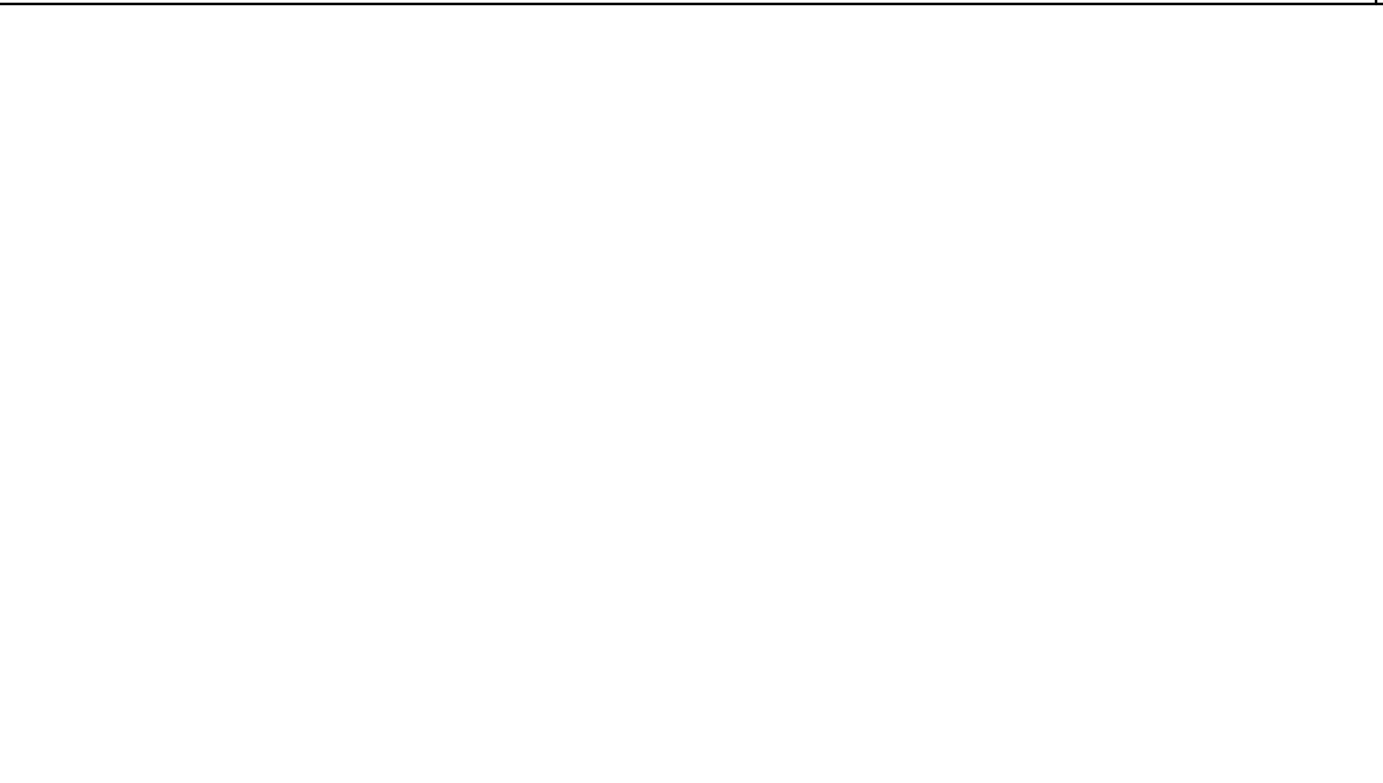
REF: S2.11, S2.13  
**FRONT OVERHANG SECTION - DUAL SLOPE** SCALE: 3/4" = 1'-0" **13**



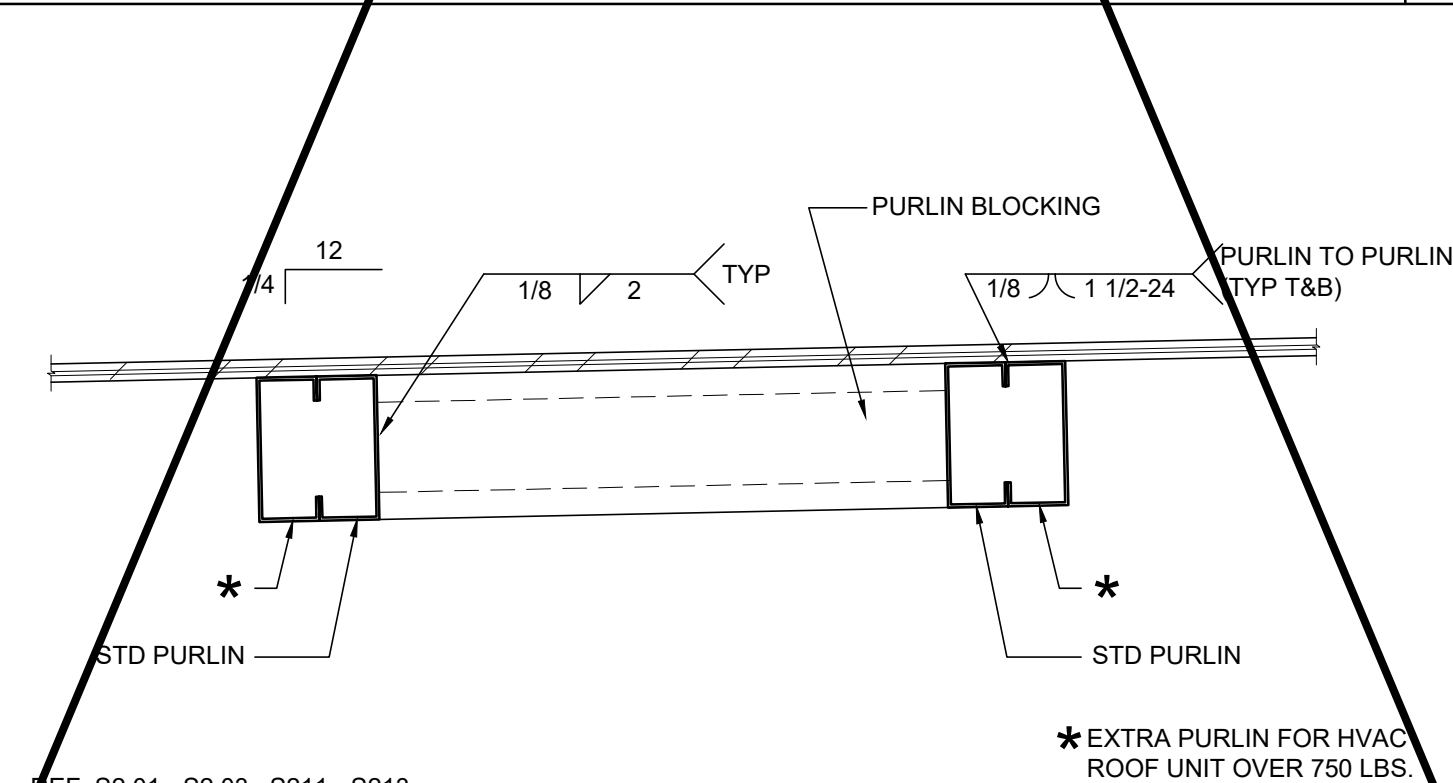
REF: S2.01 - S2.03; S211 - S213  
**ROOF GUARDRAIL W/ PARAPET** SCALE: 3/4" = 1'-0" **8**



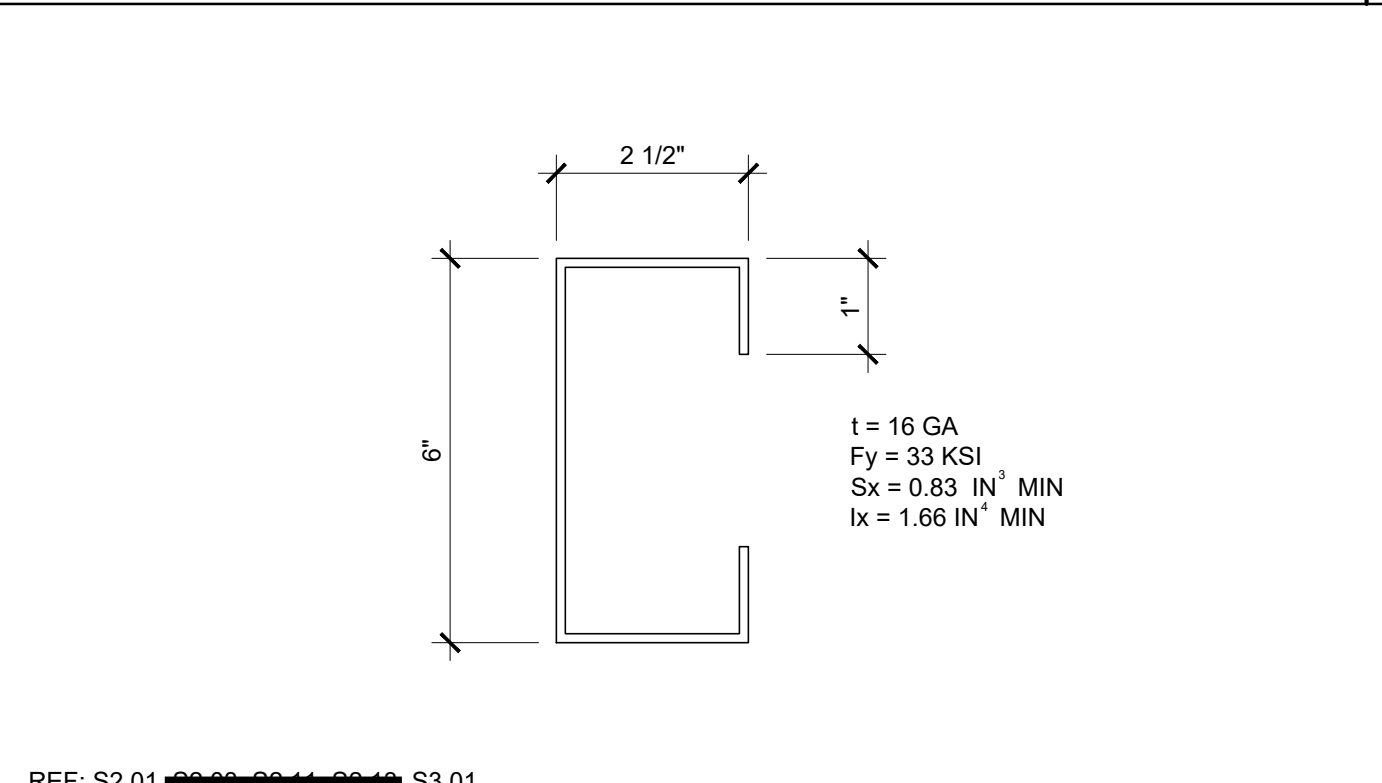
REF: S2.01, ~~S2.02, S2.11, S2.12~~  
**OVERHANG FASCIA TO BEAM CONNECTION** SCALE: 6" = 1'-0" **3**



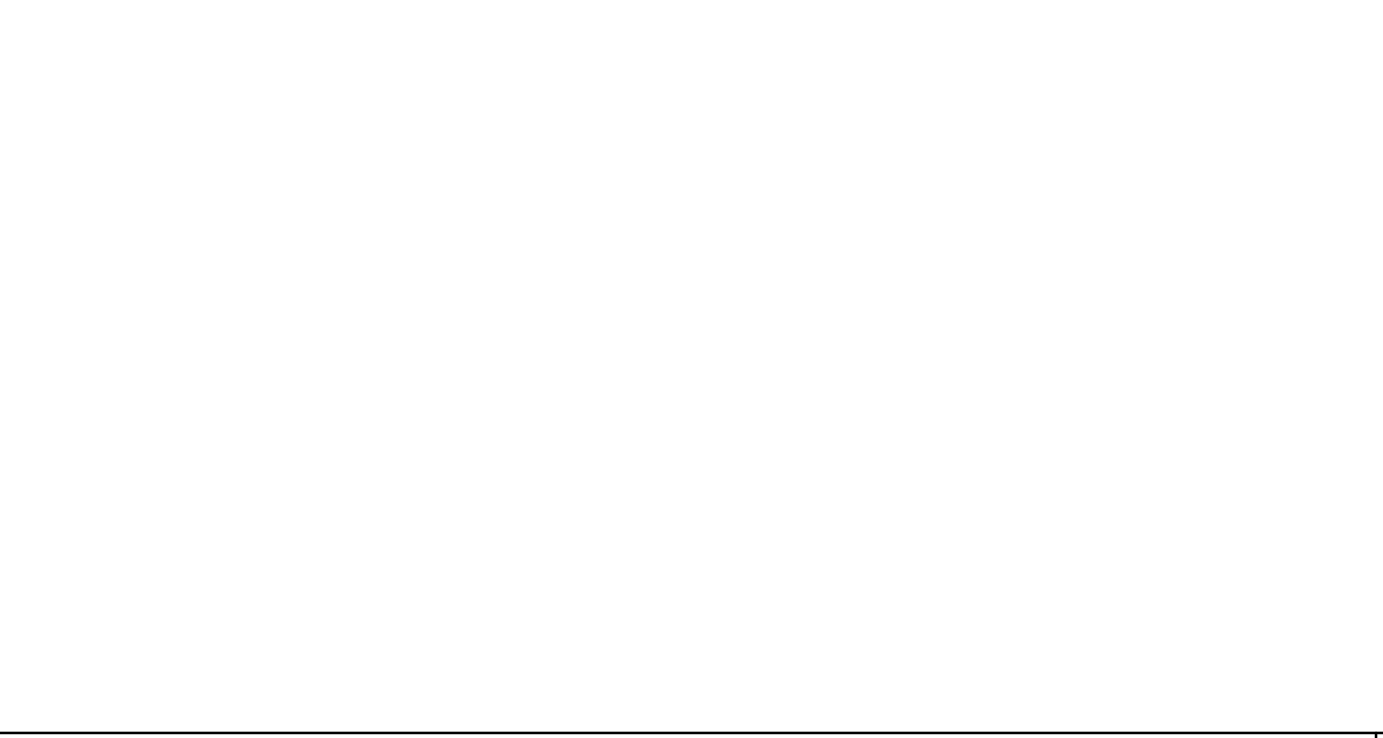
REF: S2.01 - S2.03; S211 - S213  
**DOUBLE PURLINS AT HVAC** SCALE: 1/2" = 1'-0" **9**



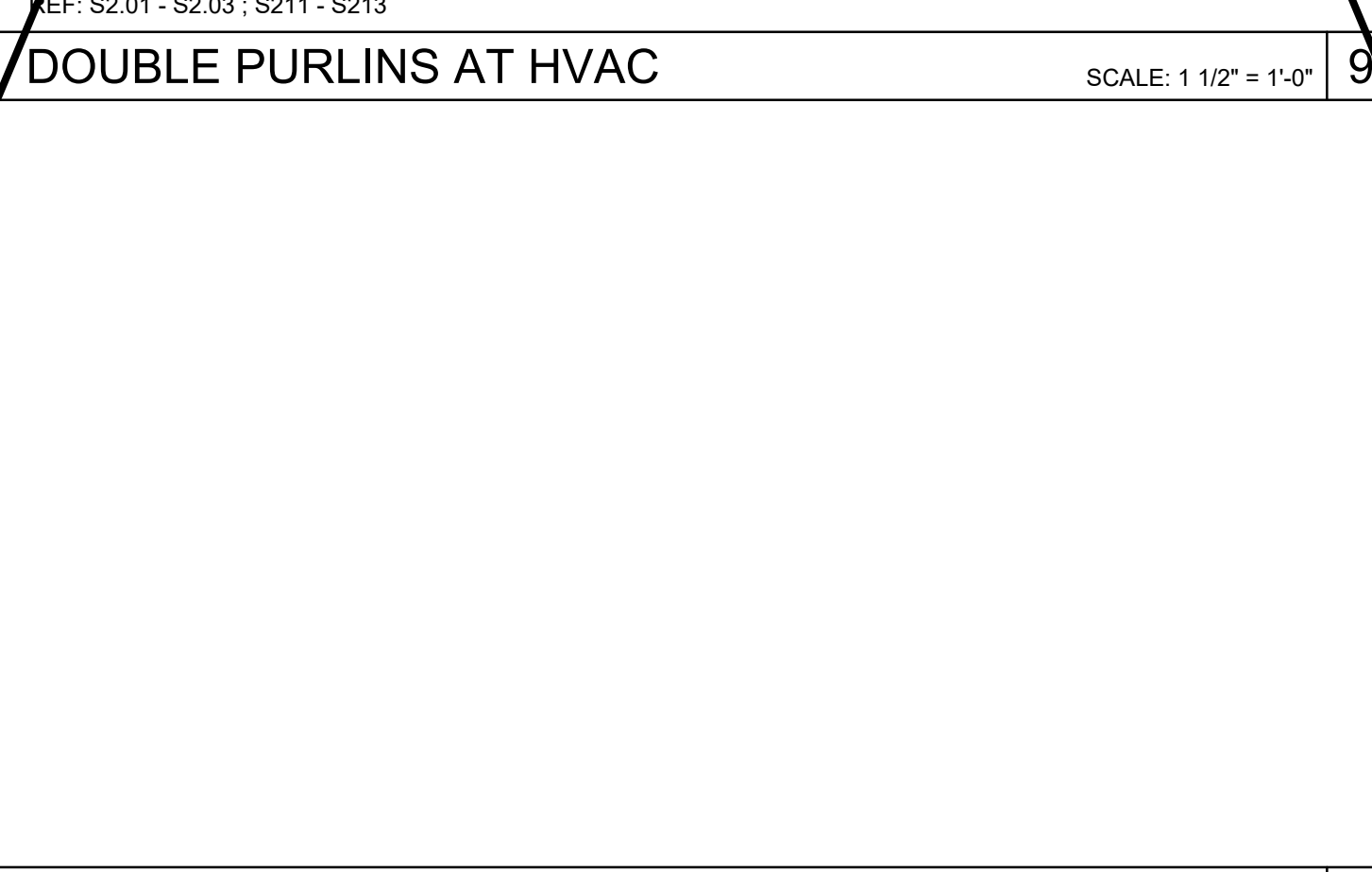
**CANOPY SECTION**



REF: S2.01, ~~S2.02, S2.11, S2.12~~, S3.01  
**SOFFIT JOIST** SCALE: 6" = 1'-0" **4**



**CANOPY ISOMETRIC** SCALE: 1/2" = 1'-0" **20**



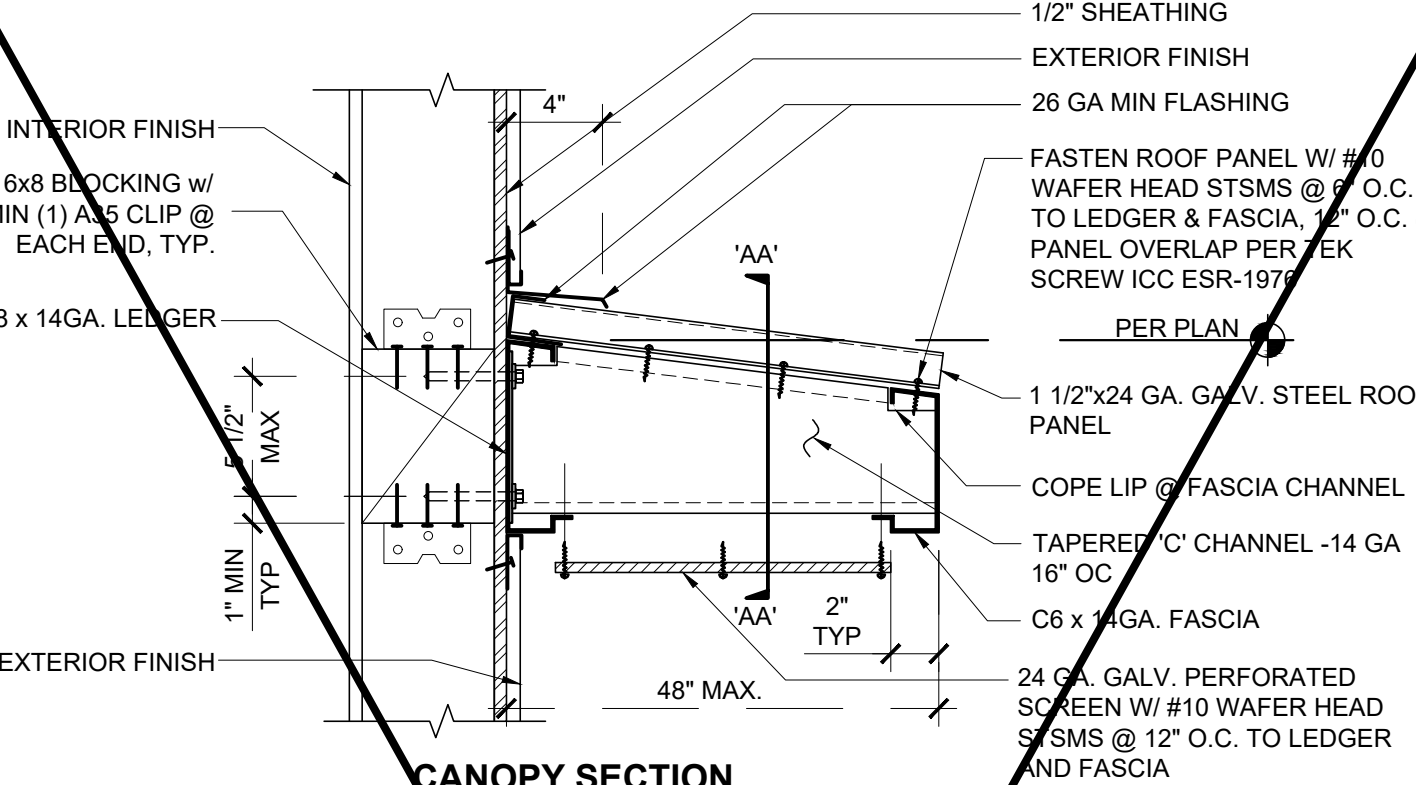
REF: S2.01, ~~S2.02, S2.11, S2.12~~  
**OVERHANG FASCIA & BEAM** SCALE: 3" = 1'-0" **5**



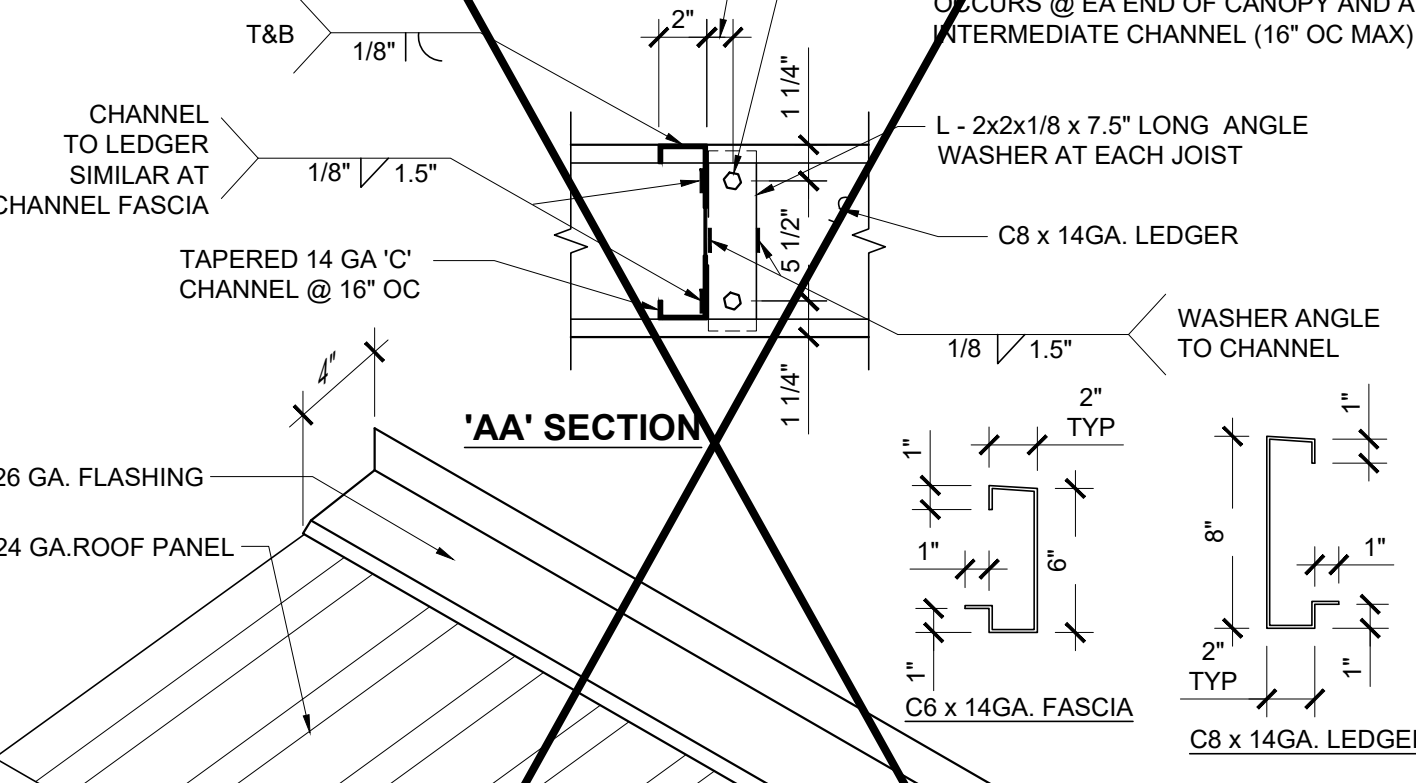
**OPTIONAL CANOPY** SCALE: 1/2" = 1'-0" **20**



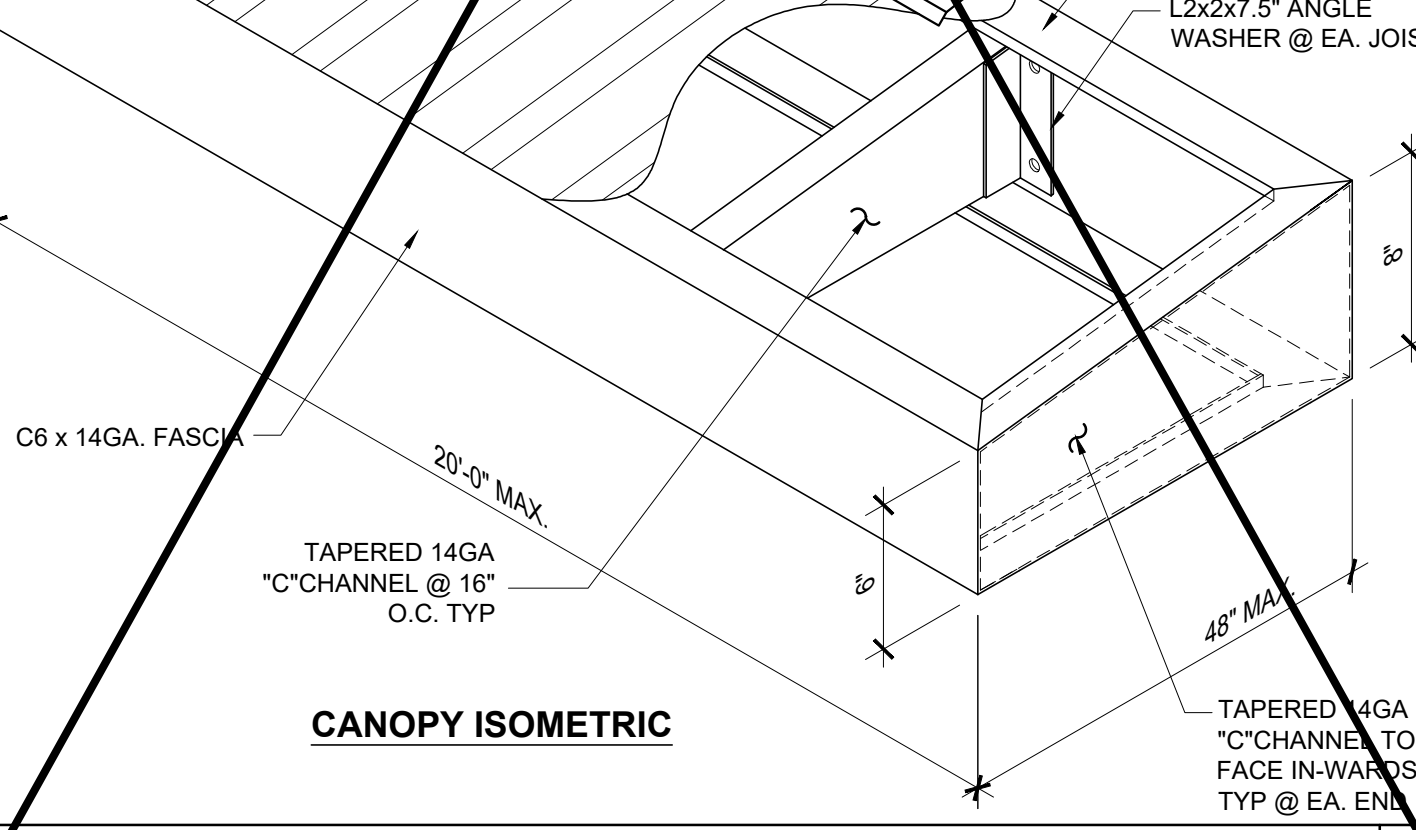
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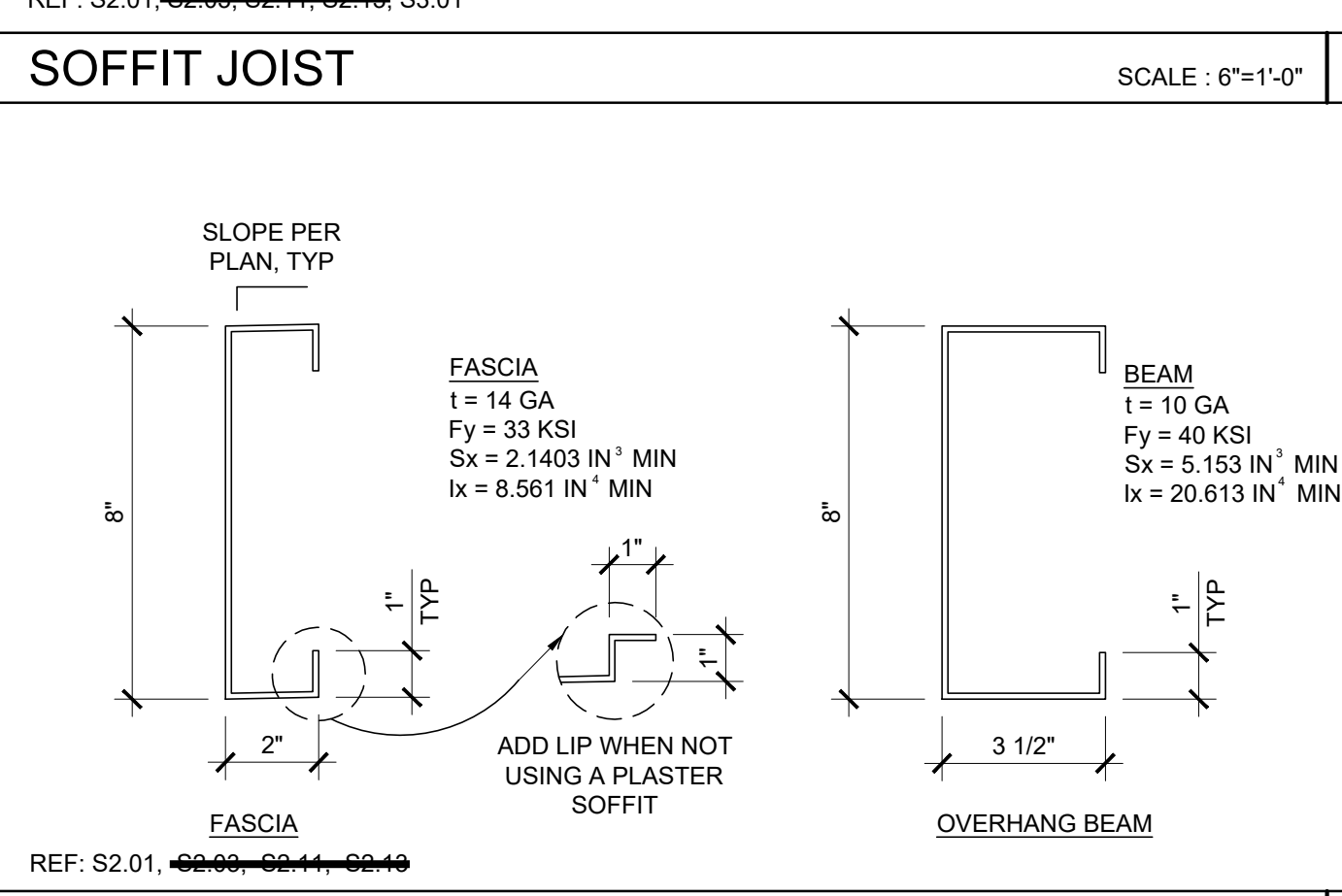
**NOT USED** **17**



**NOT USED** **14**



**NOT USED** **15**



REF: S2.01, ~~S2.02, S2.11, S2.12~~  
**OVERHANG FASCIA & BEAM** SCALE: 3" = 1'-0" **5**

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 SS  FLS  ACS   
 DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

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

SHEET TITLE:  
**ROOF FRAMING  
 DETAILS  
 TRUSS**

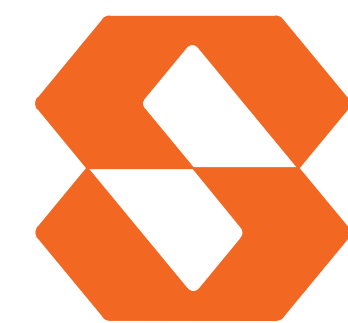
REVISIONS

1	
2	
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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



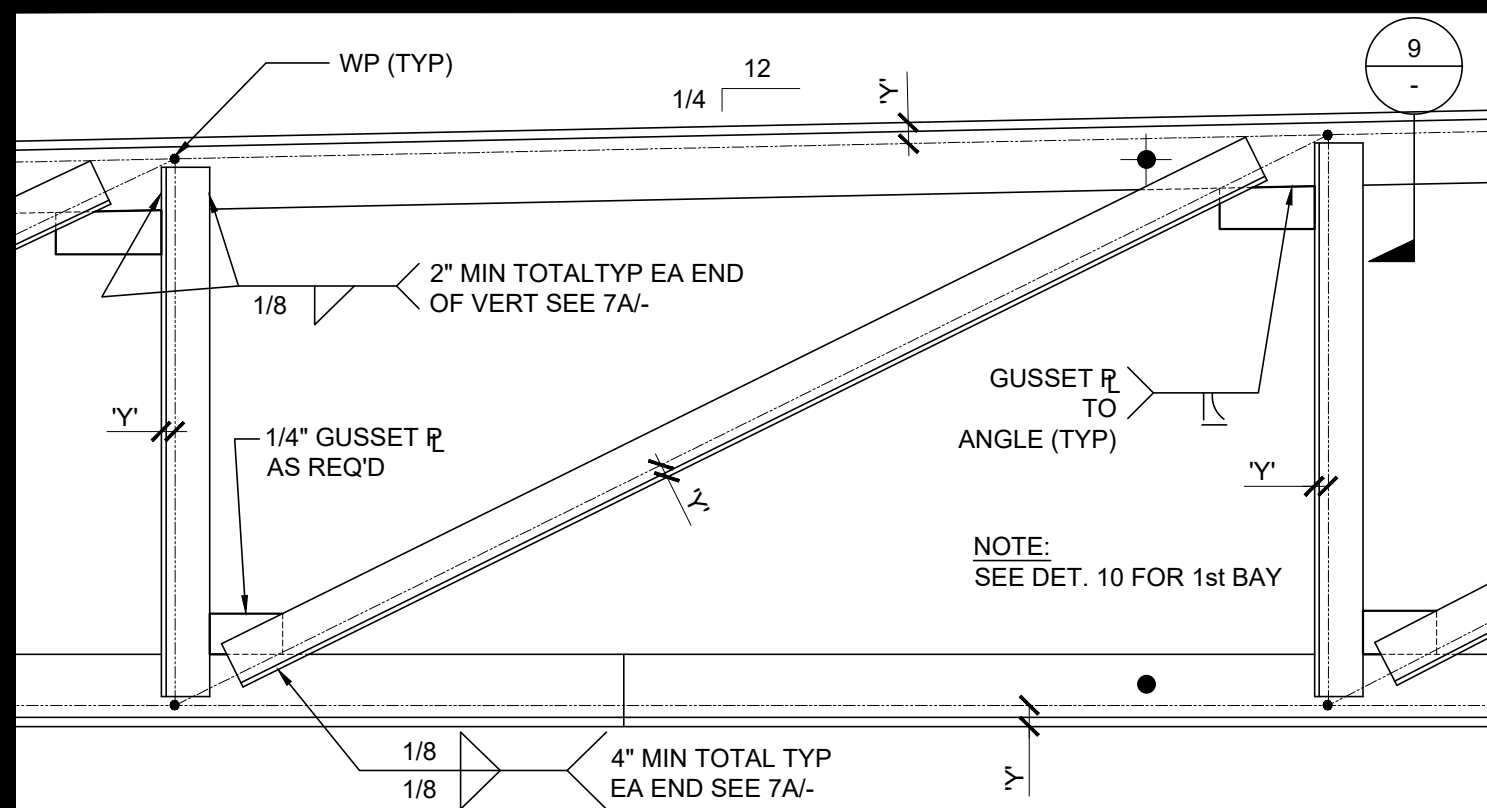
**Silver Creek**  
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
 PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

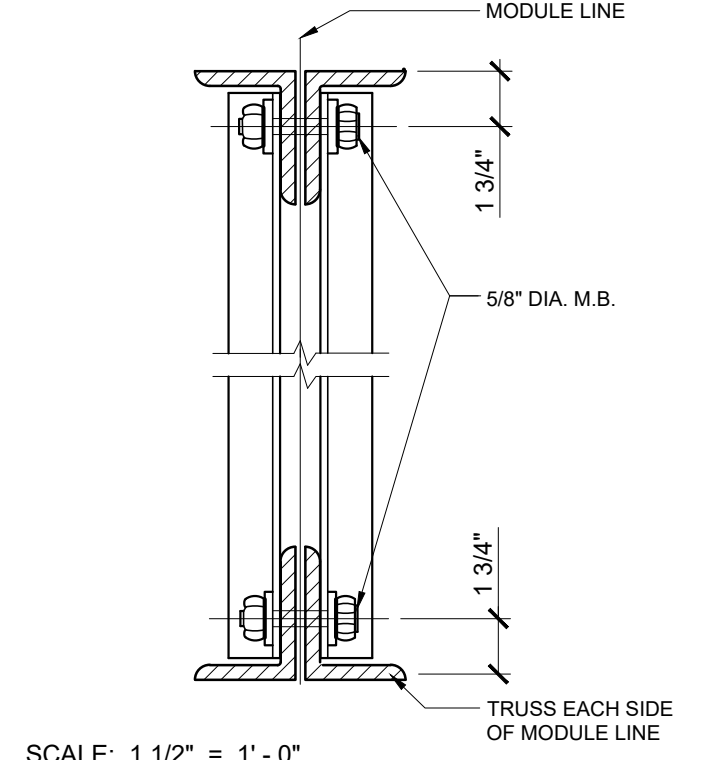
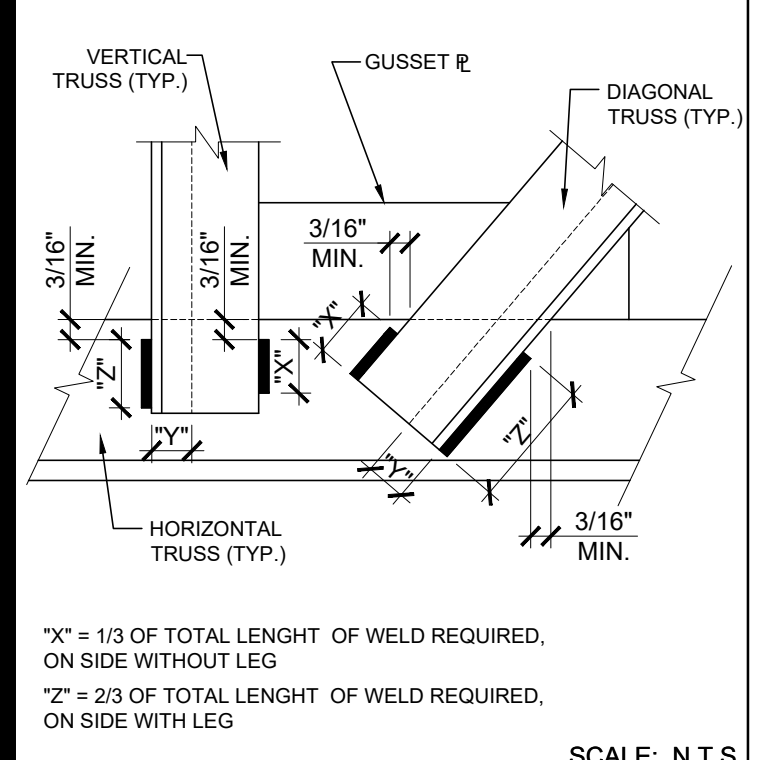


SILVER CREEK INDUSTRIES  
 24' x 40' PC  
 PROJECT NO:  
 DRAWN BY:  
 SCALE: AS NOTED  
 DATE: 02-27-2023  
 P.C. SHEET NUMBER

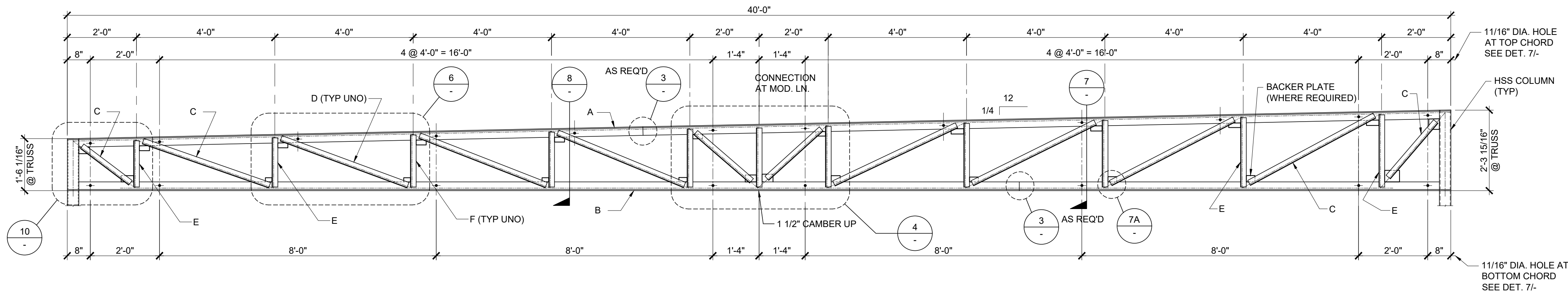
**S-2.90**



TYP. VERTICAL & DIAGONAL (U.N.O.) SCALE: 1 1/2" = 1'-0" 6



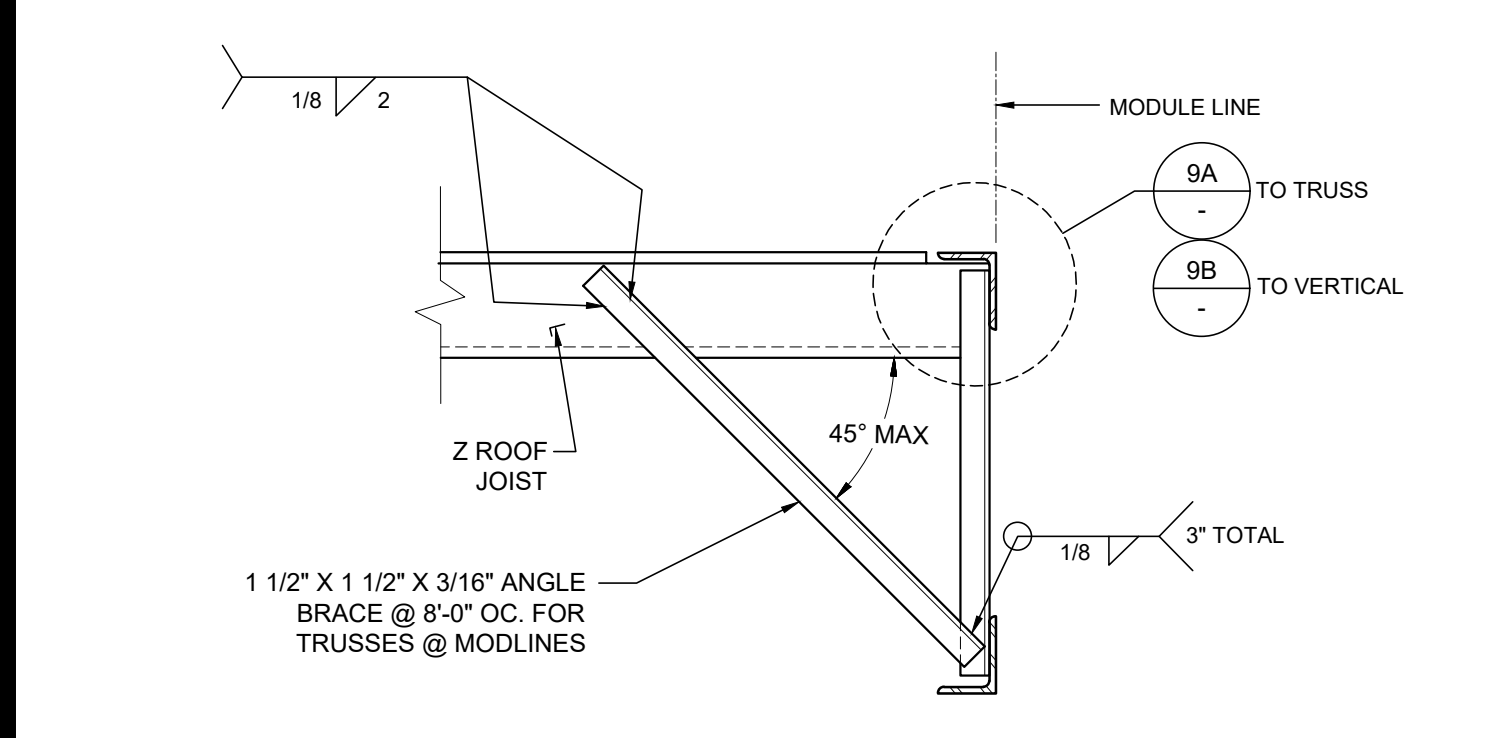
FILLET WELD TERMINATION 7A CONNECTION @ MODULE LINE 7 MONO SLOPE TRUSS SCALE: 1/2" = 1'-0" 1



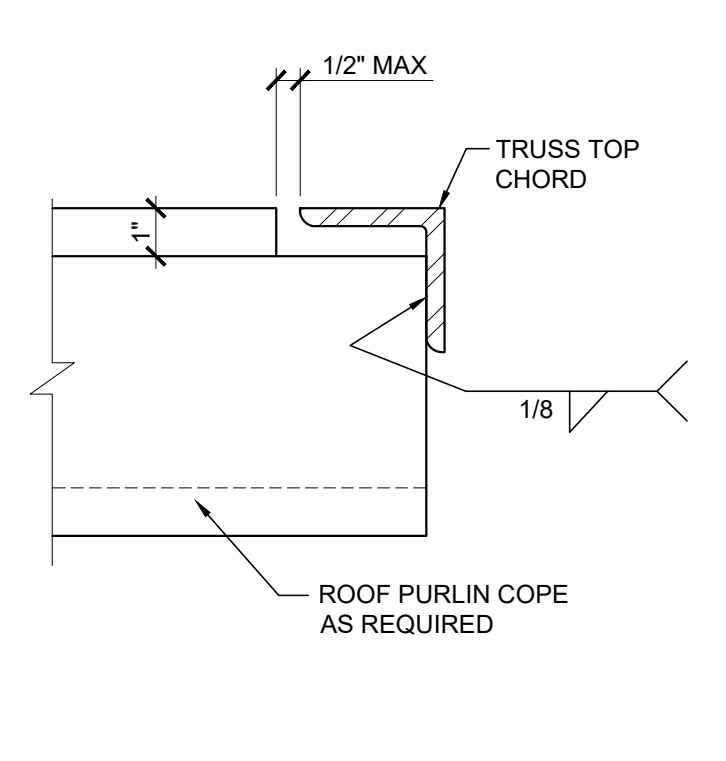
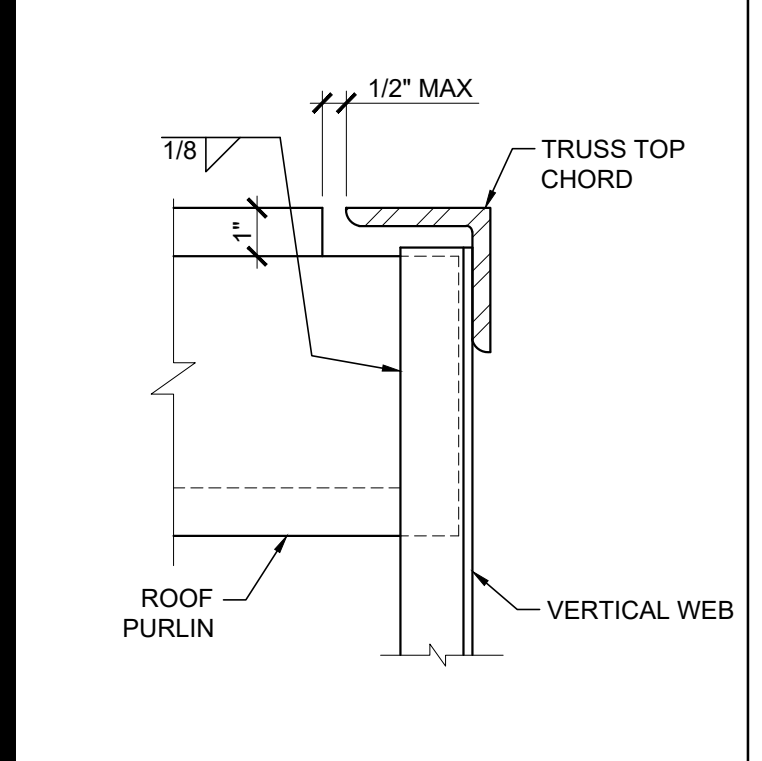
- NOTES:
- SEE SHEET S-0.1 FOR STEEL GRADES.
  - REQUIRED ELECTRODES FOR ALL WELDS TO BE E-70
  - VOLTAGE & AMPERAGE SHALL BE PER ELECTRODE MANUFACTURERS SPECIFICATIONS
  - BOLTS AND NUTS GRADES TO BE A307
- REF: ROOF FRAMING PLAN

TRUSS MARK:		Y=
A	TOP CHORD	4" x 4" x 3/8" (LLV) 1 1/4
B	BOTTOM CHORD	4" x 4" x 3/8" (LLV) 1 1/4
C	END DIAGONALS (2 EACH END)	2" x 2" x 10 GA. 9/16
D	TYPICAL DIAGONALS	1 1/2" x 1 1/2" x 10 GA. 7/16
E	END VERTICAL (2 EACH END)	1 1/2" x 1 1/2" x 10 GA. 7/16
F	TYPICAL VERTICALS	1 1/2" x 1 1/2" x 10 GA. 7/16

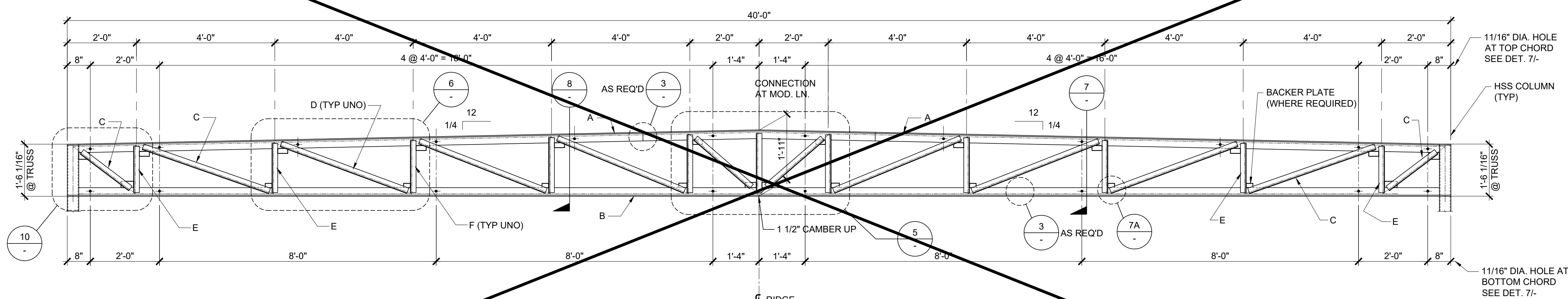
NOTE: "Y" MAY BE 1/4" MAX. OUT OF ALIGNMENT



BRACE @ TRUSS & MATING LINE SCALE: 1 1/2" = 1'-0" 8



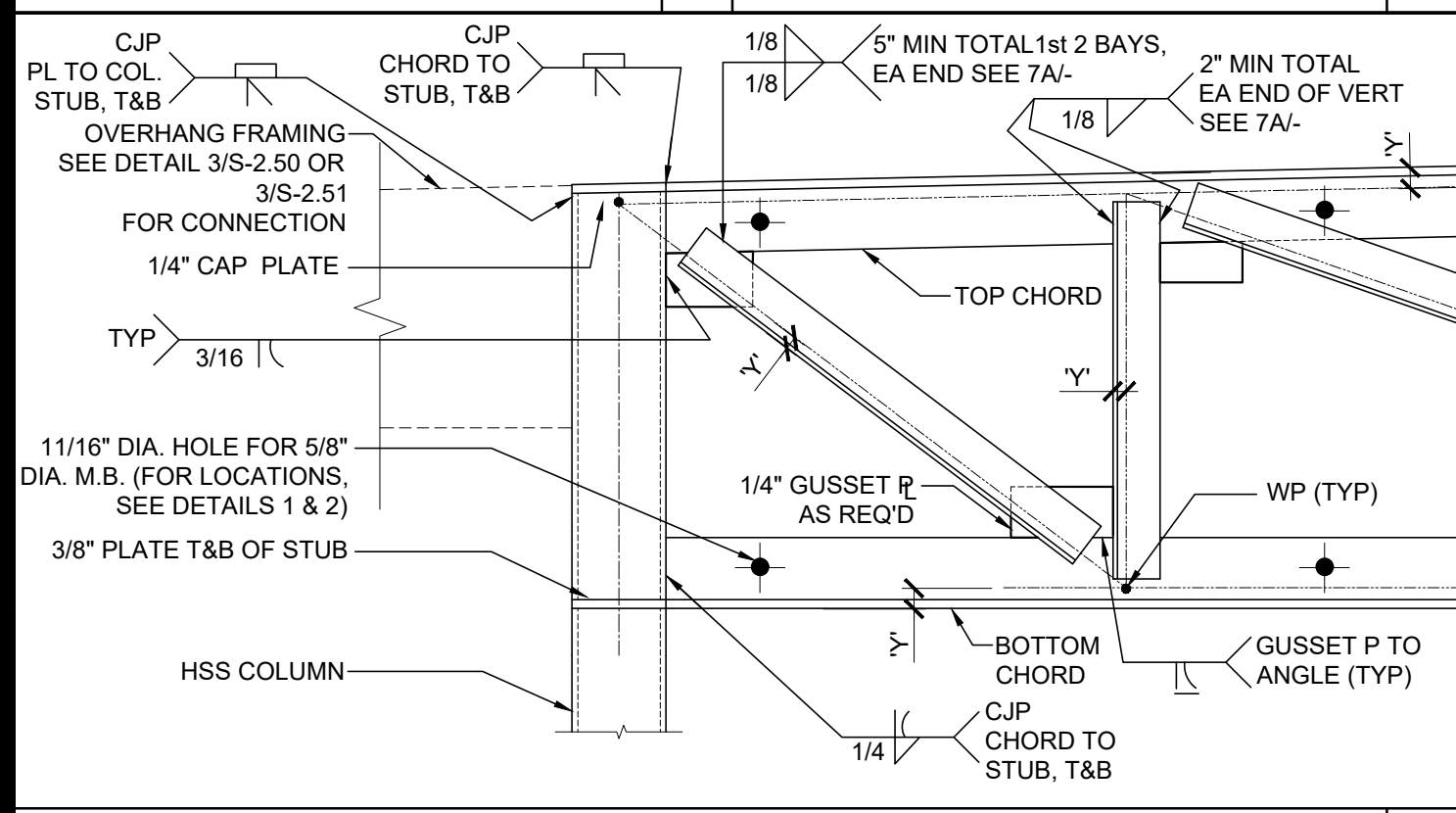
PURLIN TO VERT. ANGLE CONN. 9B PURLIN TO TRUSS CONN. SCALE: 3" = 1'-0" 9A



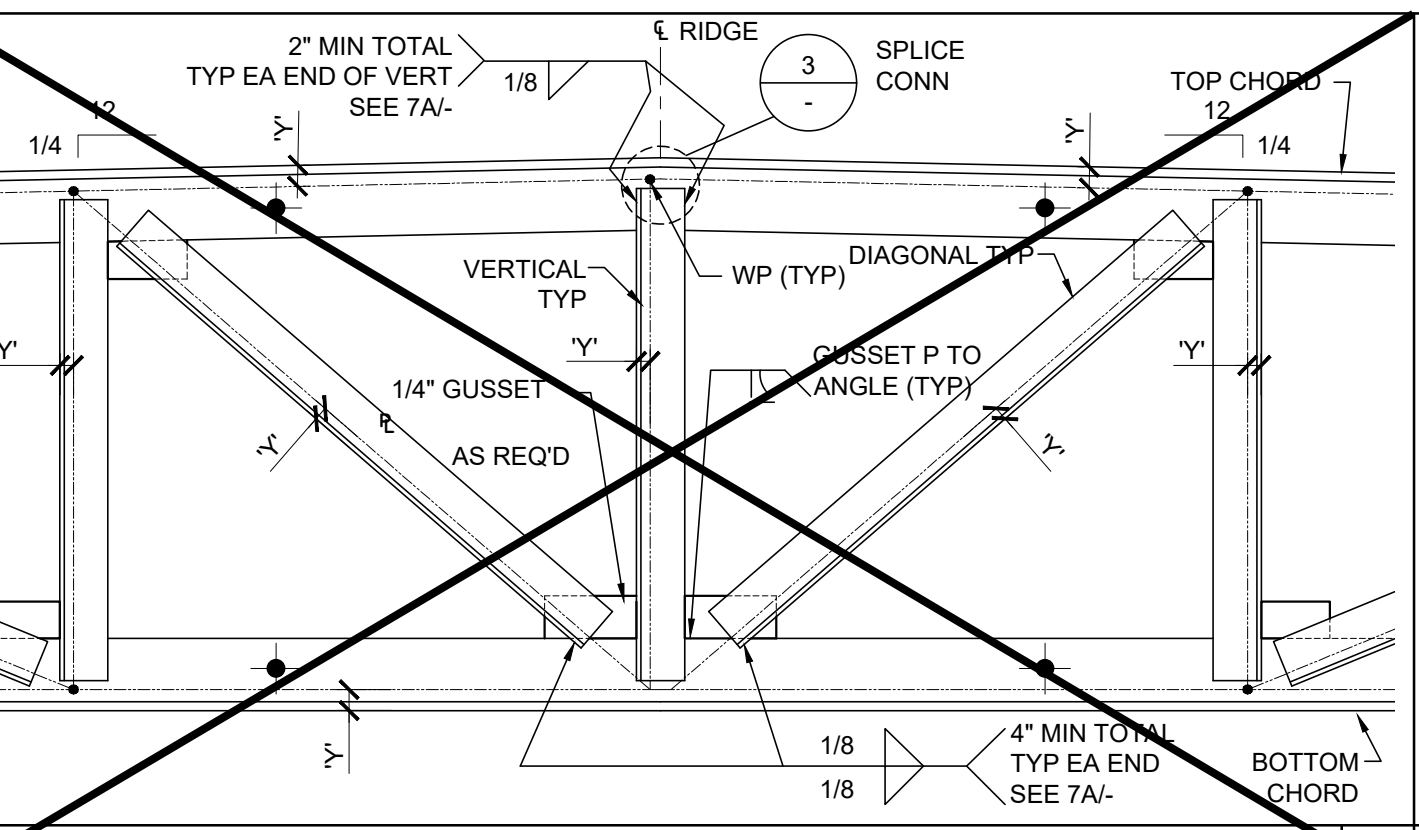
- NOTES:
- SEE SHEET S-0.1 FOR STEEL GRADES.
  - REQUIRED ELECTRODES FOR ALL WELDS TO BE E-70
  - VOLTAGE & AMPERAGE SHALL BE PER ELECTRODE MANUFACTURERS SPECIFICATIONS
  - BOLTS AND NUTS GRADES TO BE A307
- REF: ROOF FRAMING PLAN

TRUSS MARK:		Y=
A	TOP CHORD	4" x 4" x 3/8" (LLV) 1 1/4
B	BOTTOM CHORD	4" x 4" x 3/8" (LLV) 1 1/4
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D	TYPICAL DIAGONALS	1 1/2" x 1 1/2" x 10 GA. 7/16
E	END VERTICAL (2 EACH END)	1 1/2" x 1 1/2" x 10 GA. 7/16
F	TYPICAL VERTICALS	1 1/2" x 1 1/2" x 10 GA. 7/16

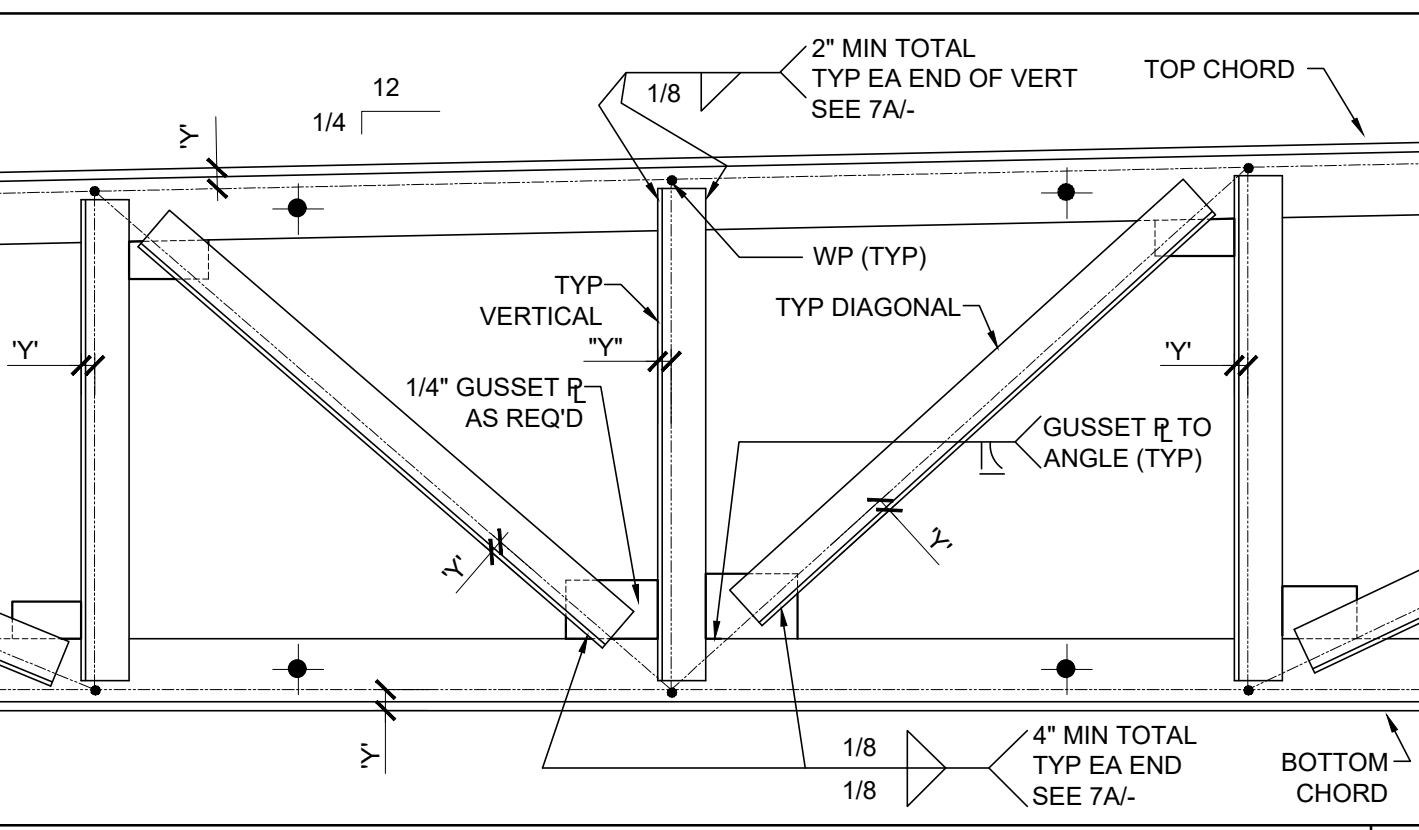
NOTE: "Y" MAY BE 1/4" MAX. OUT OF ALIGNMENT



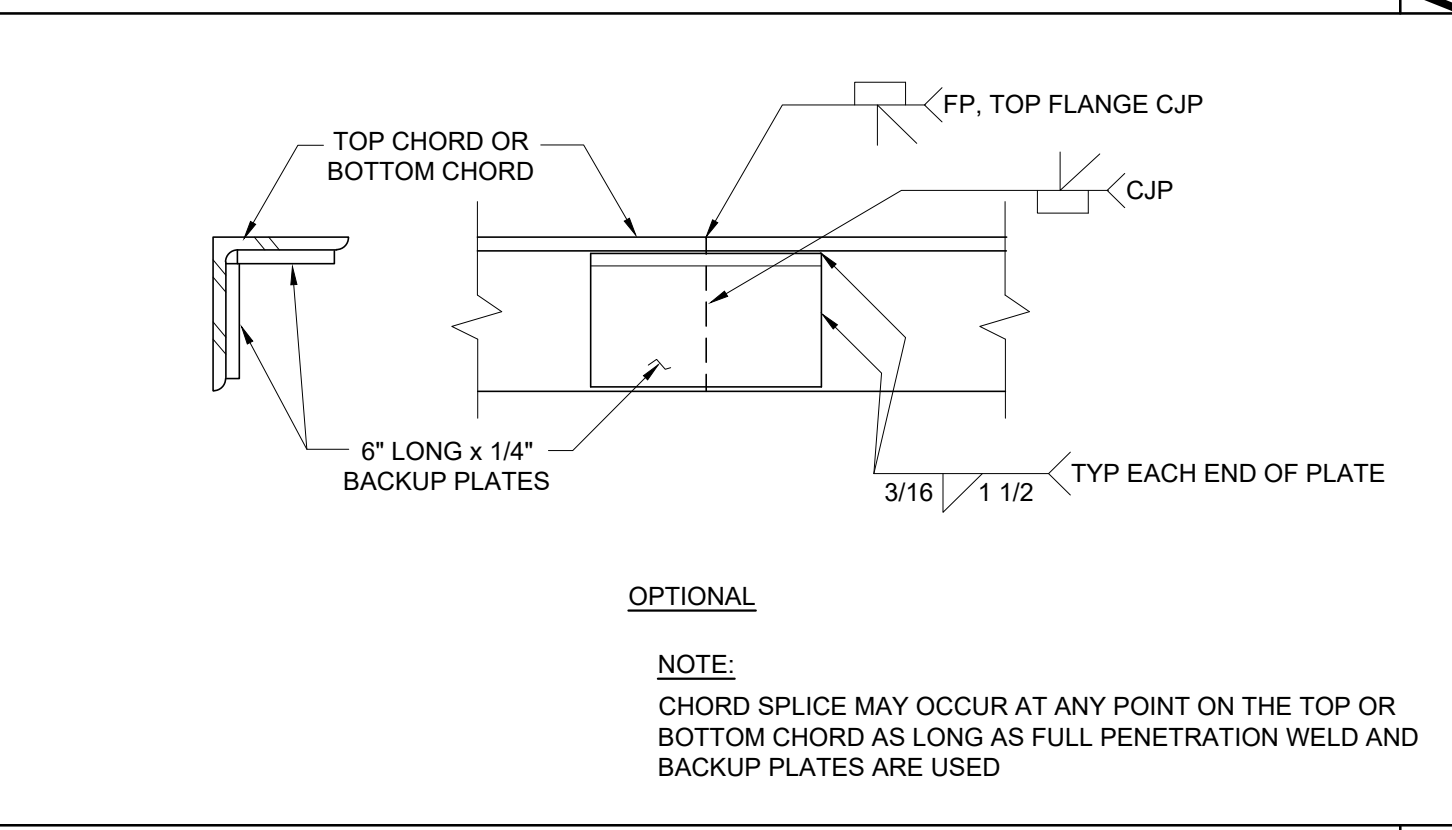
TRUSS TO COLUMN / OH FRAME CONN. SCALE: 1 1/2" = 1'-0" 10



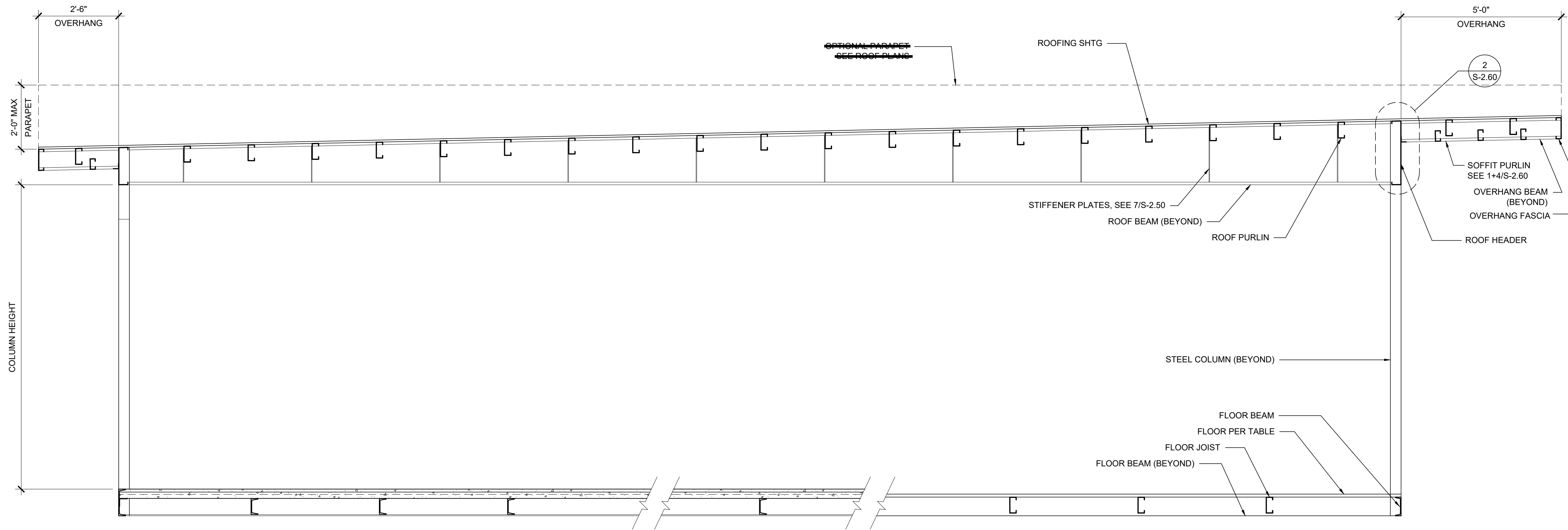
VERT. & DIAG. AT MID-POINT SCALE: 1 1/2" = 1'-0" 5



VERT. & DIAG. AT MID-POINT SCALE: 1 1/2" = 1'-0" 4

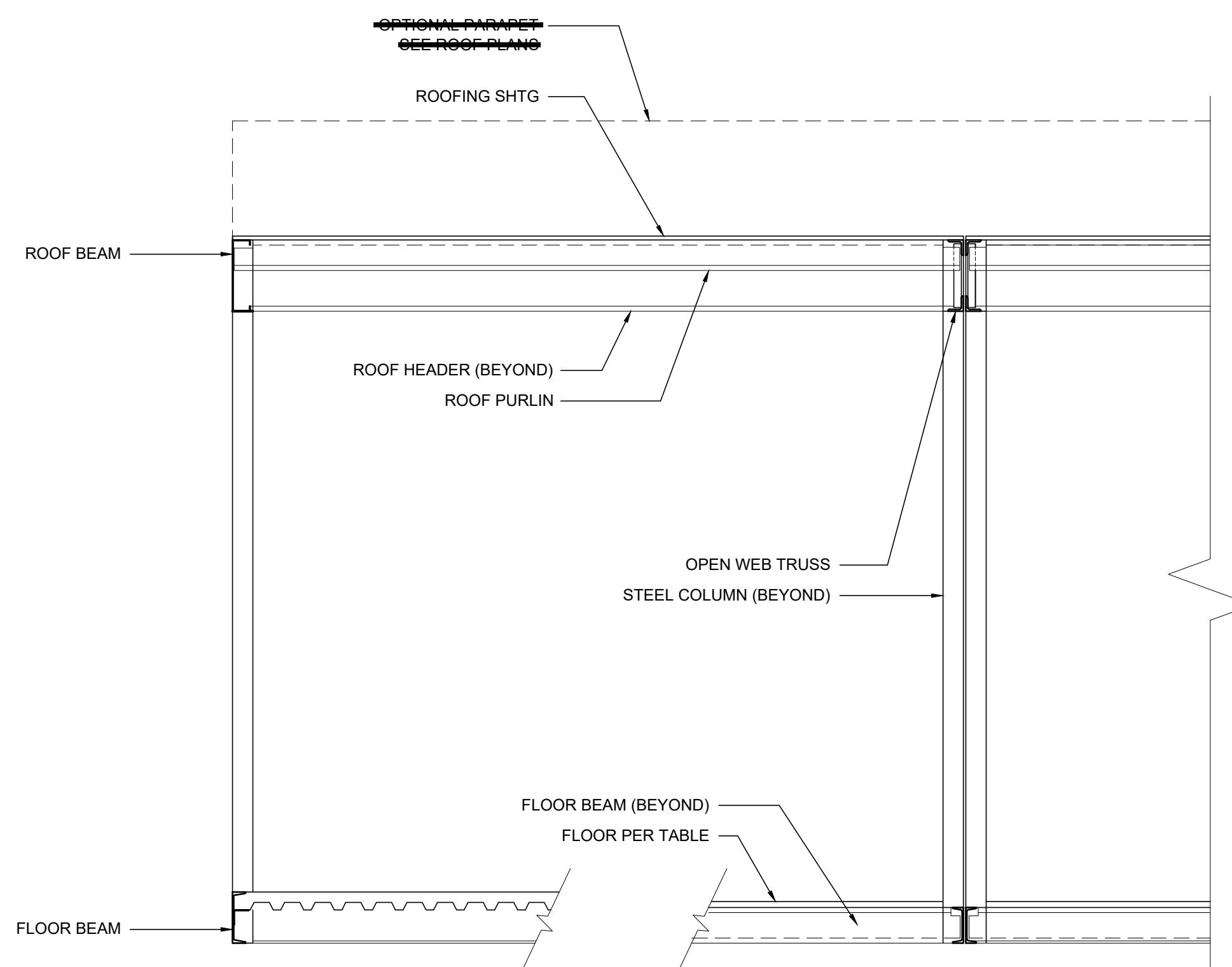


TRUSS CHORD SPLICE SCALE: 3" = 1'-0" 3



BUILDING SECTION

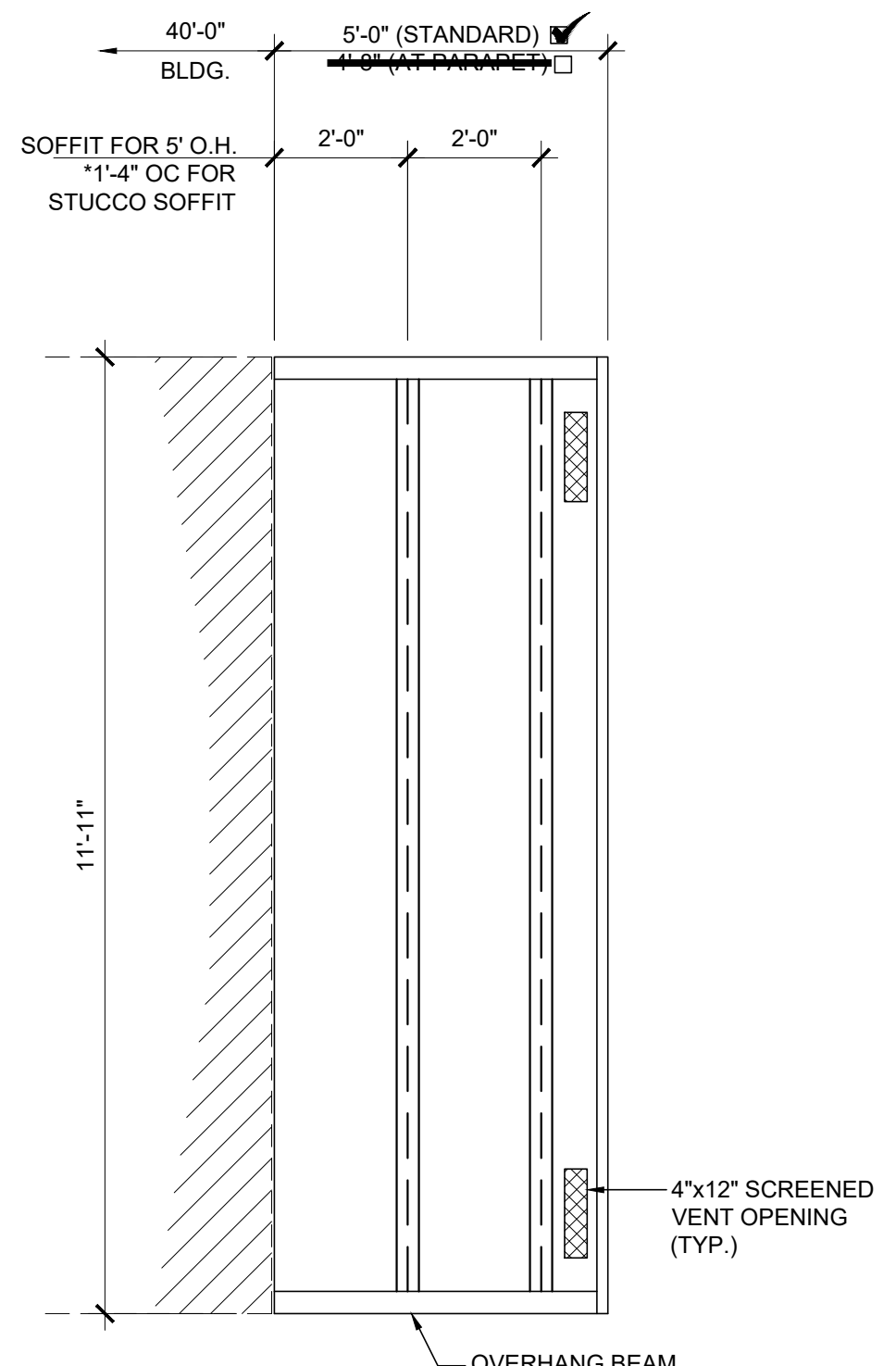
SCALE: 1/2" = 1'-0" 1



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.

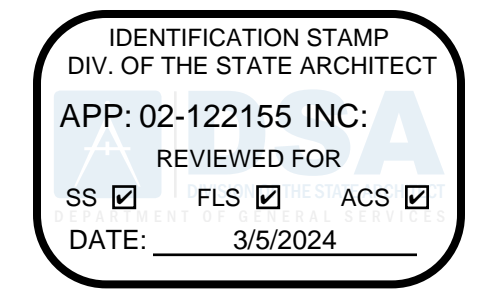
FLOOR CONSTRUCTION

- 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

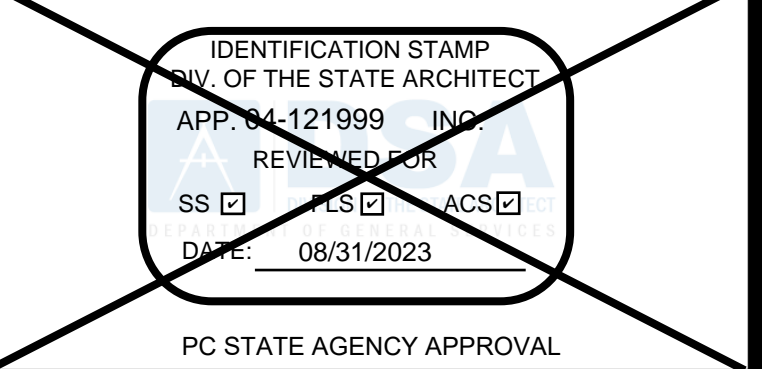
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PROJECT NAME:  
**SYLVAN USD  
 SOMERSET M.S.  
 (2) 24' x 40'  
 CLASSROOM BUILDINGS**

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



MODULAR BUILDING DESIGN PROFESSIONAL

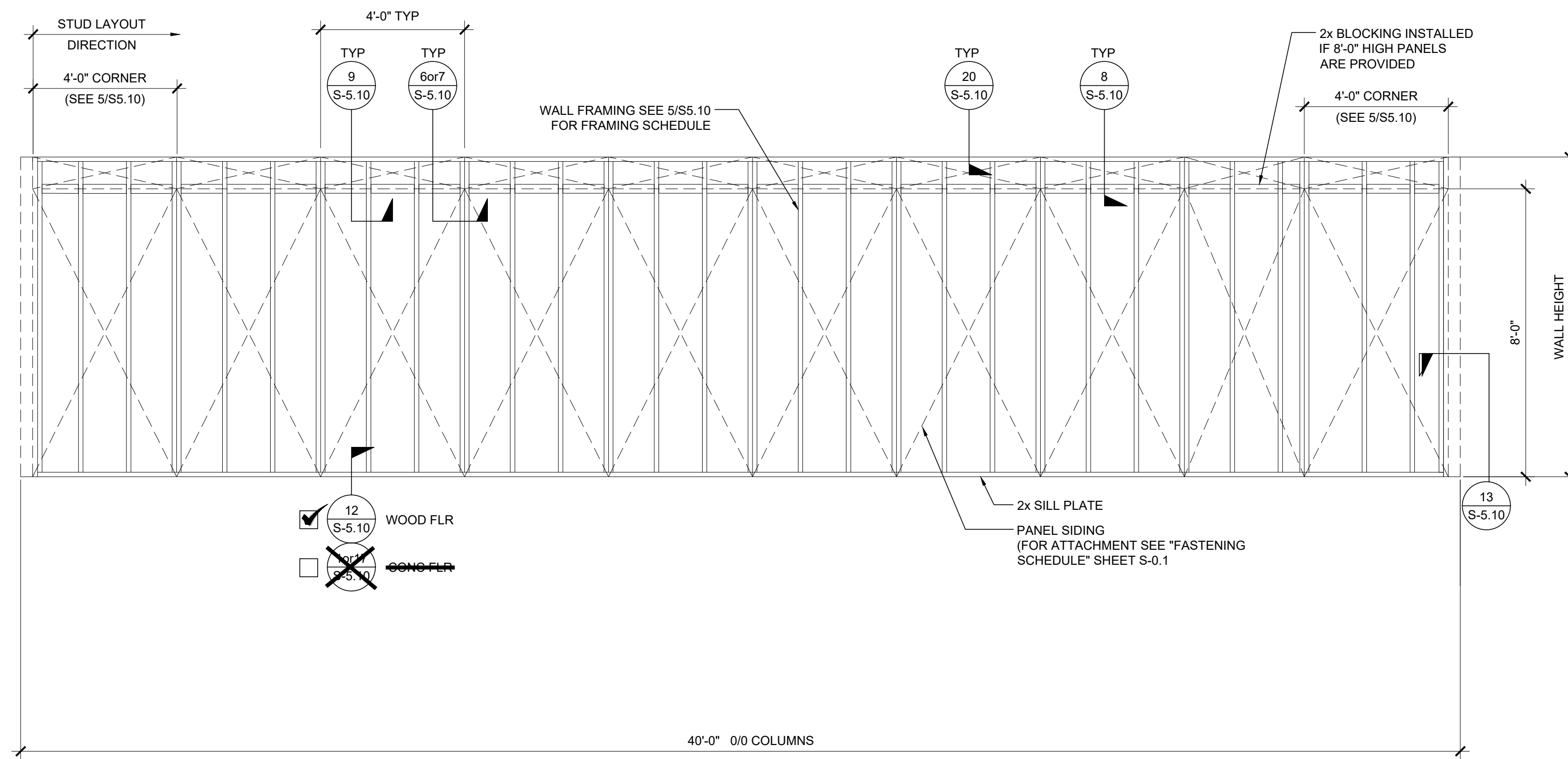


SILVER CREEK INDUSTRIES  
 24' x 40' PC

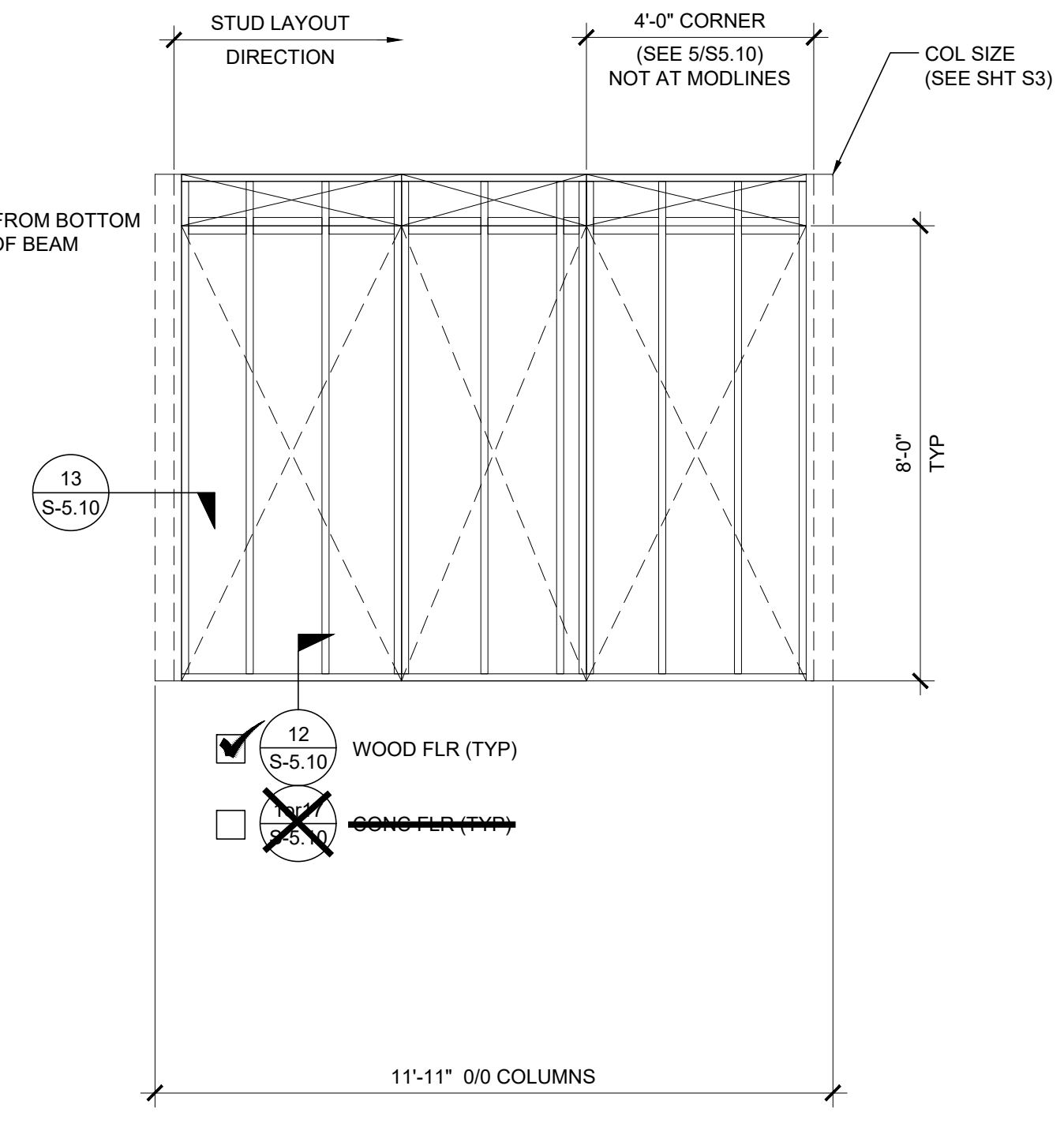
PROJECT NO:  
 DRAWN BY:  
 SCALE: AS NOTED  
 DATE: 02-27-2023

P.C. SHEET NUMBER  
**S-3.01**

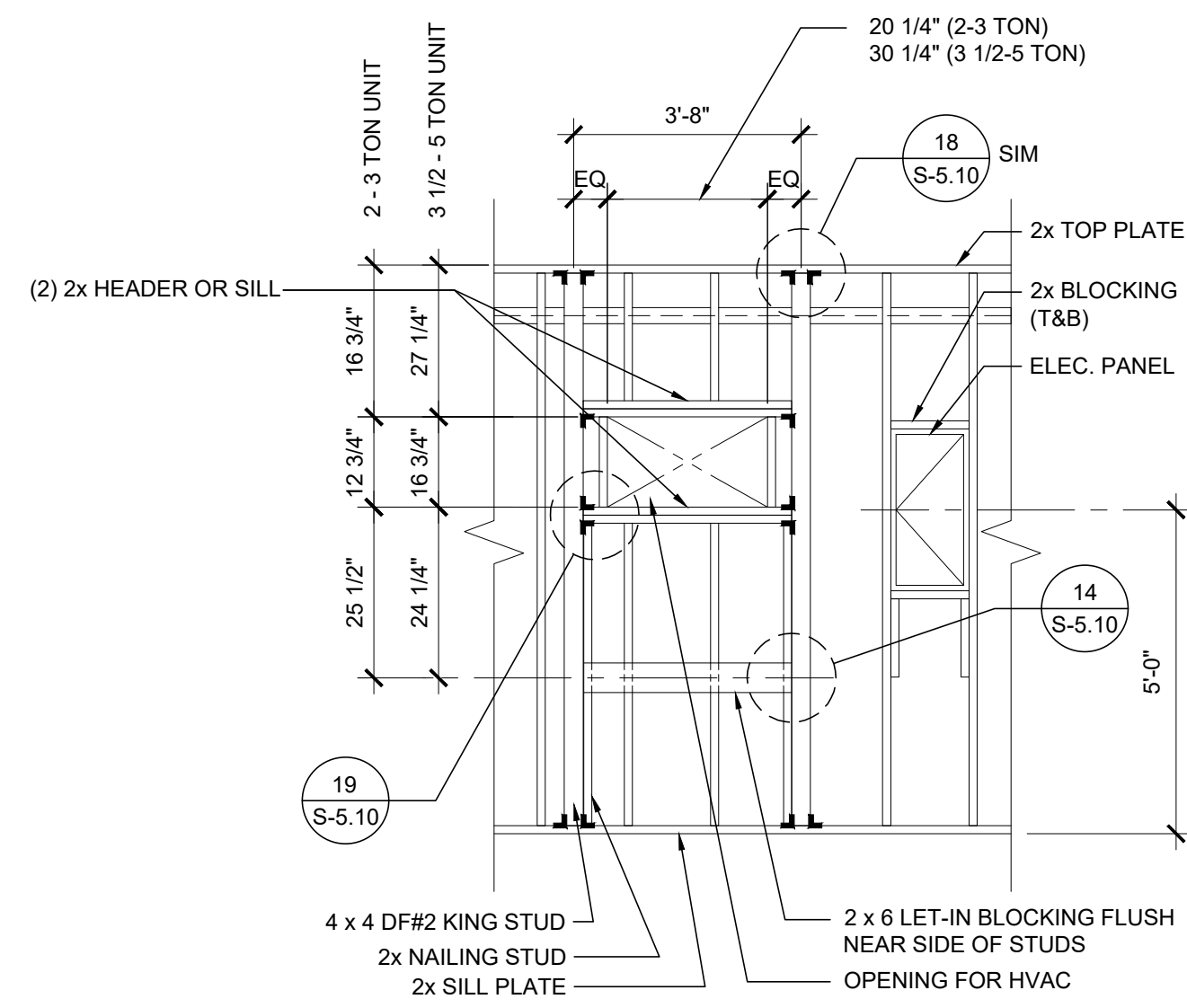




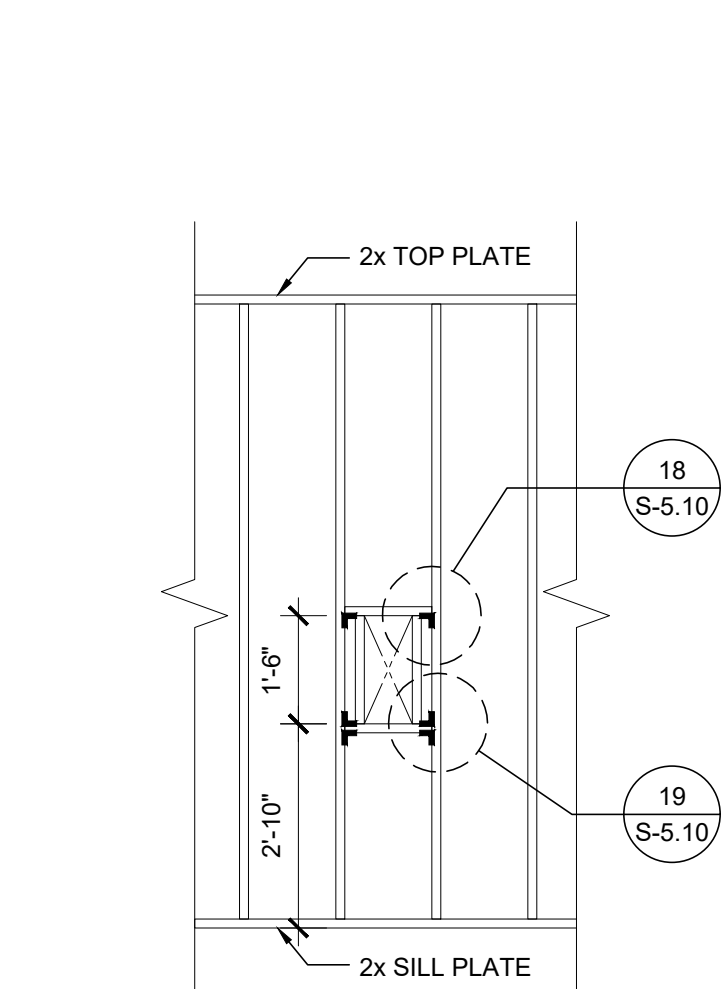
TYPICAL SIDE WALL



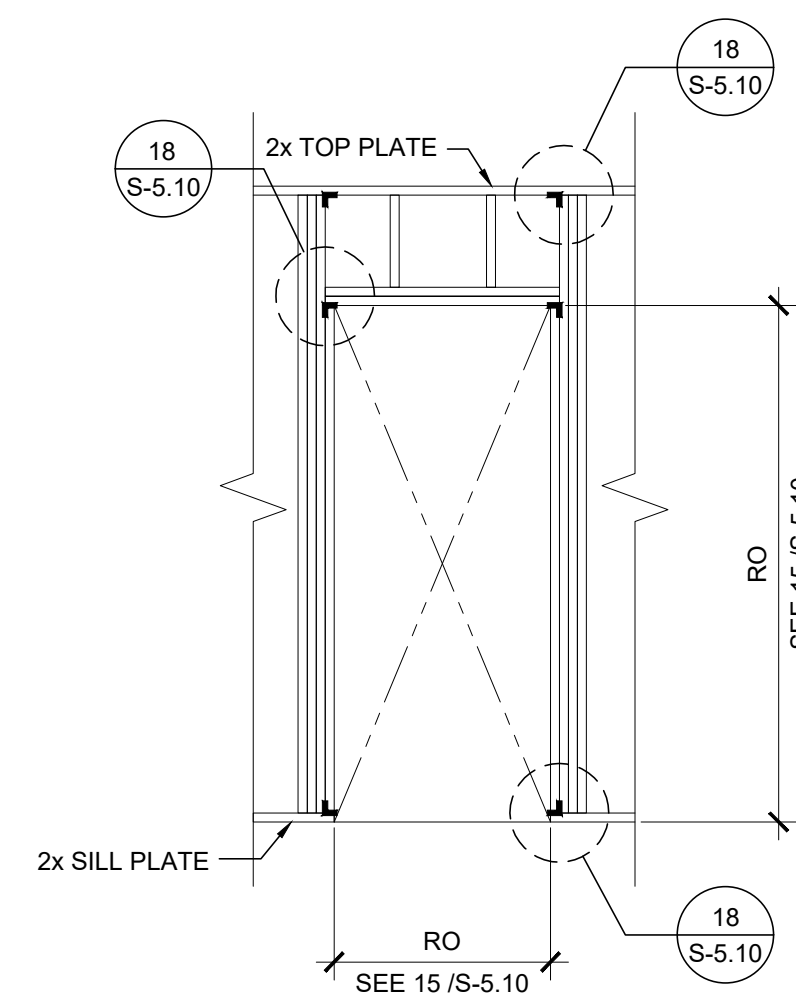
TYPICAL END WALL



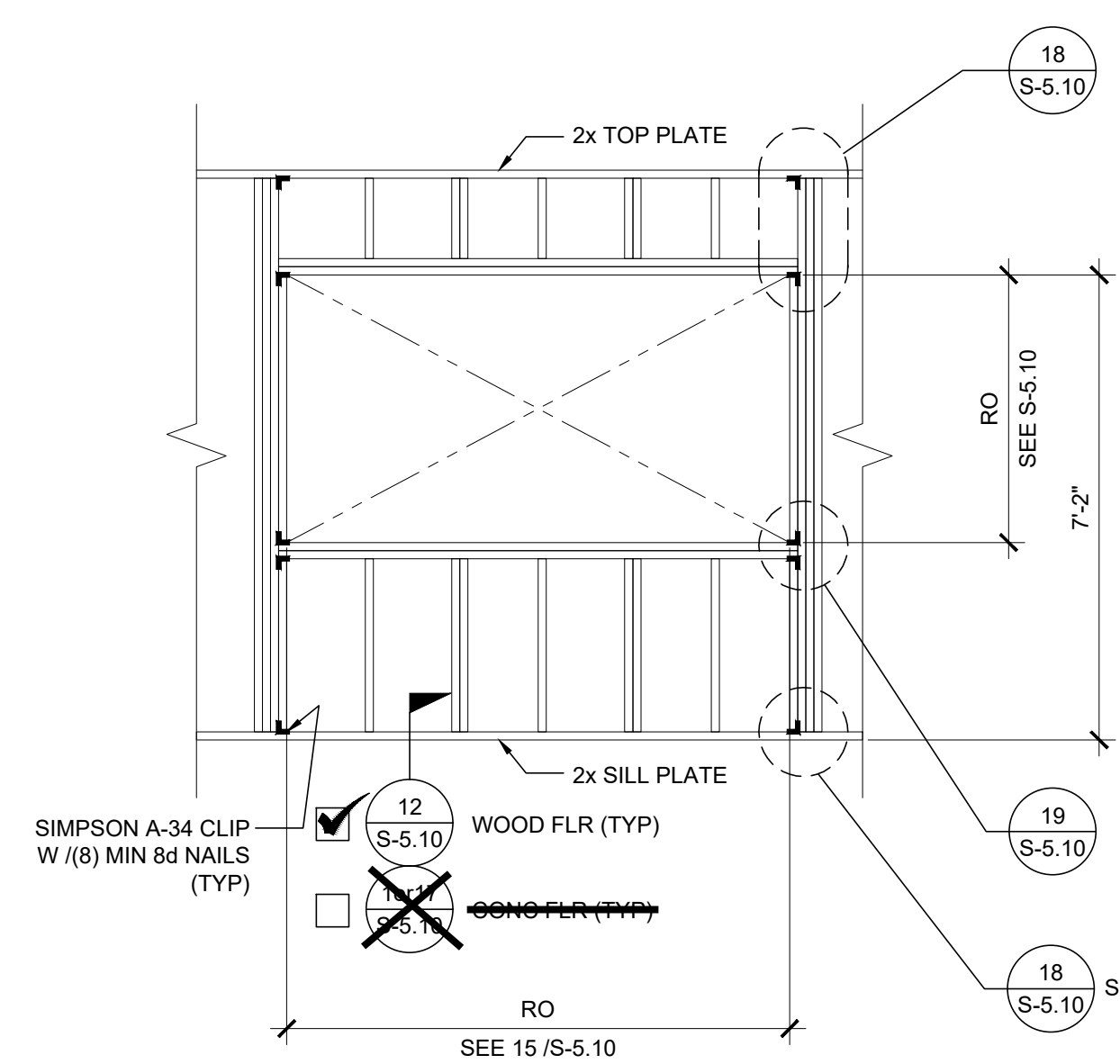
TYPICAL HVAC



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: 02-122155 INC.  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

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

SHEET TITLE:  
**WALL FRAMING  
ELEVATIONS  
WOOD STUDS**

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

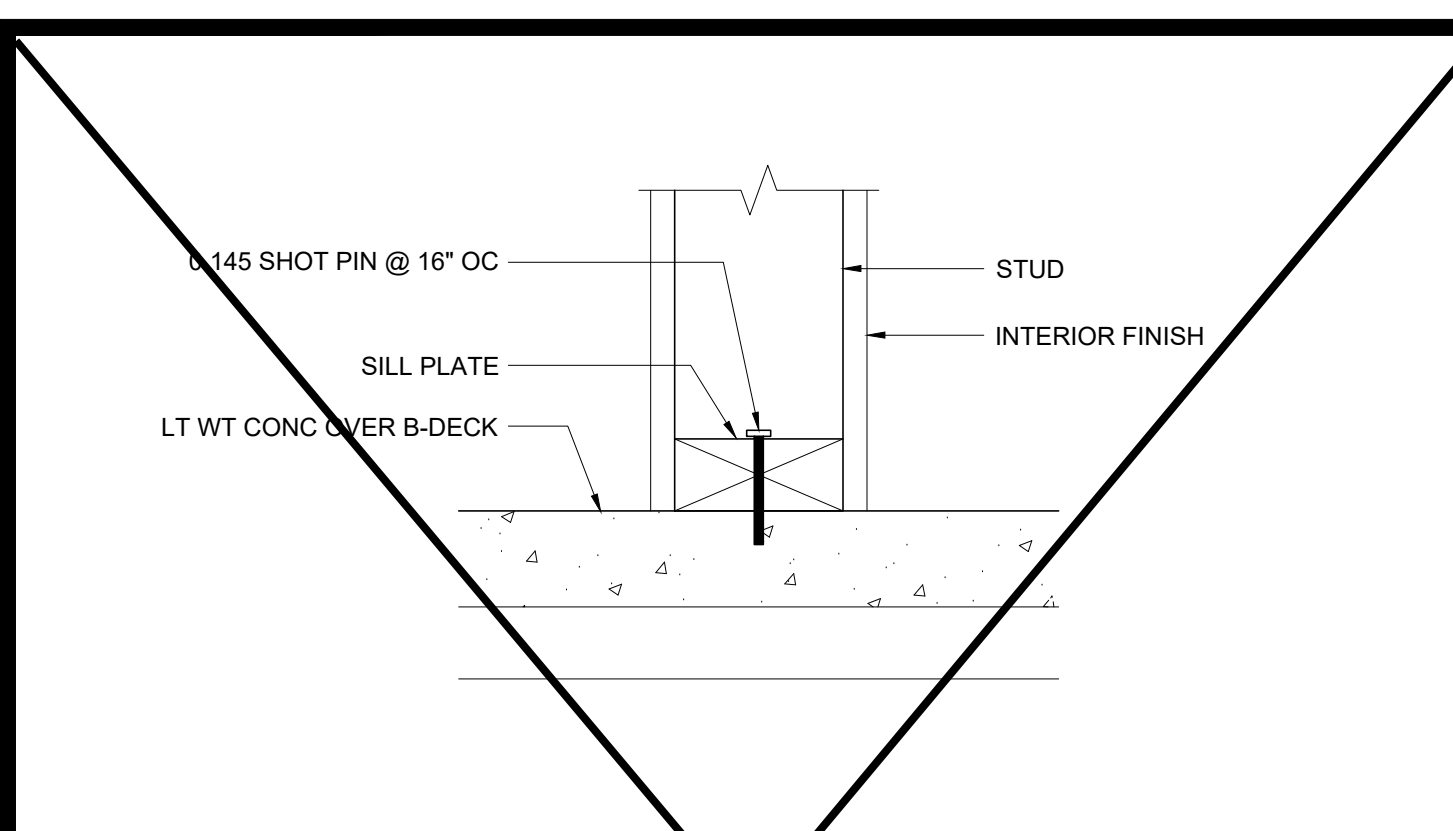
MODULAR BUILDING DESIGN PROFESSIONAL



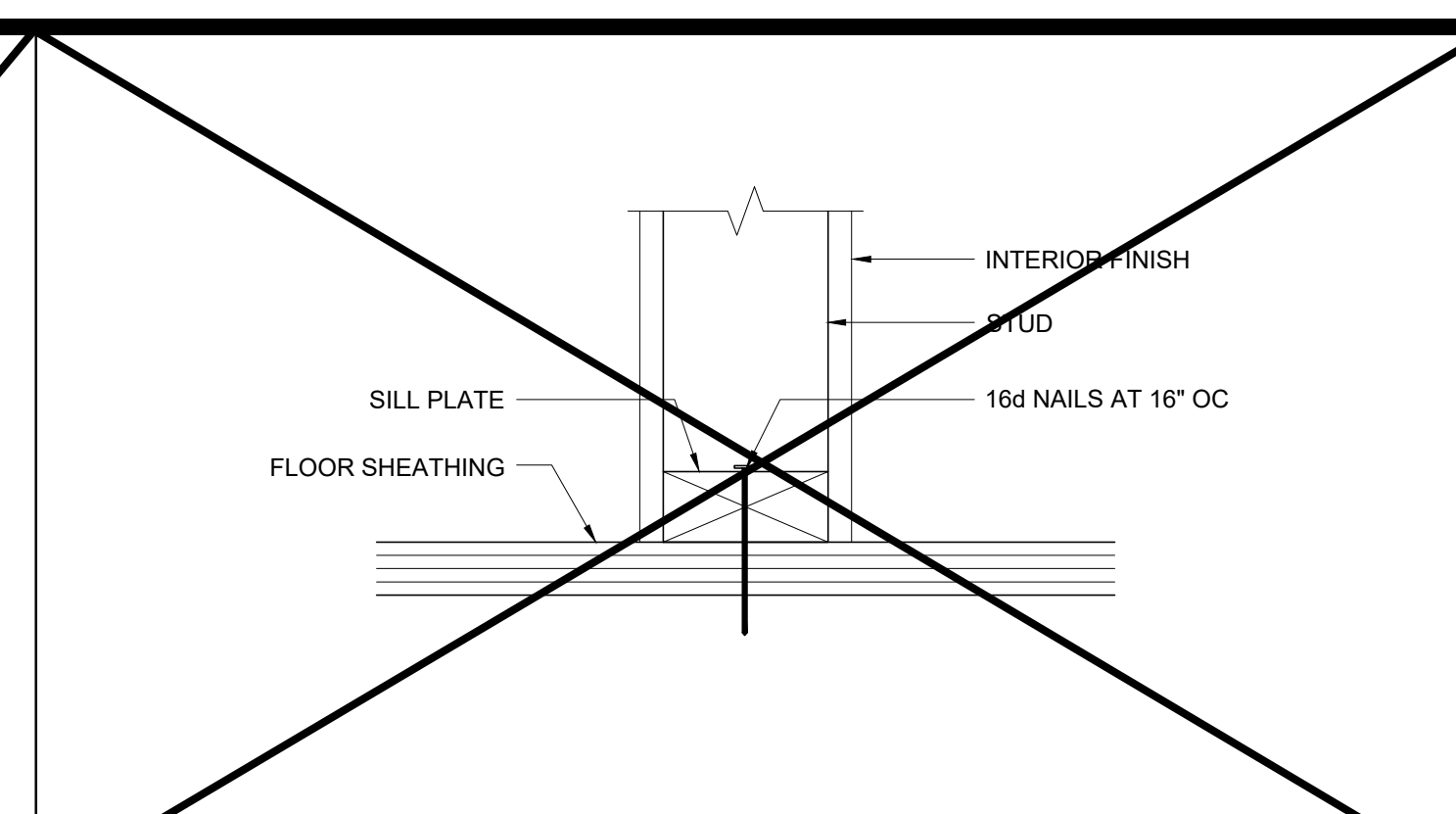
SILVER CREEK INDUSTRIES  
24' x 40' PC

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

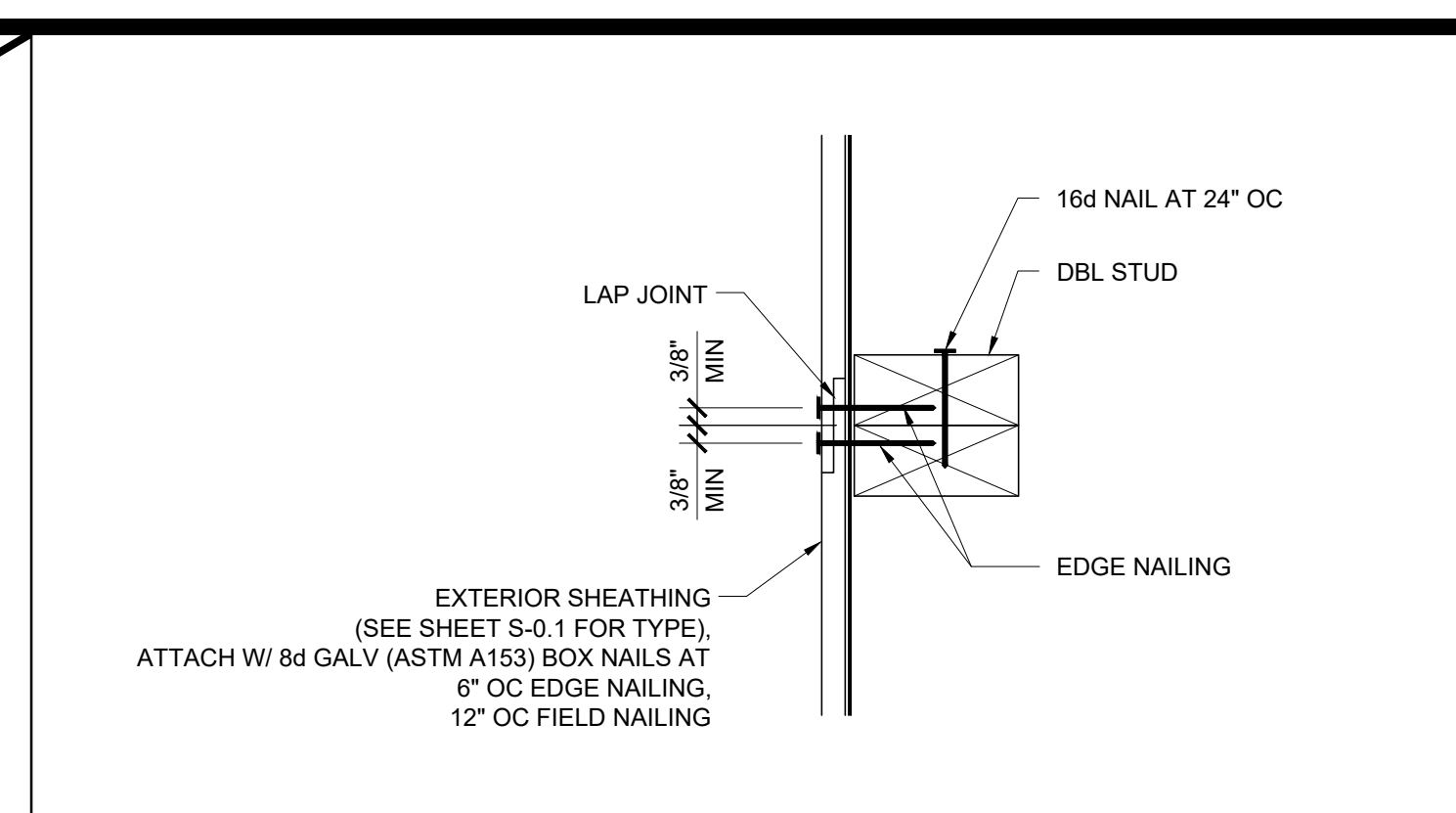
P.C. SHEET NUMBER  
**S-5.00**



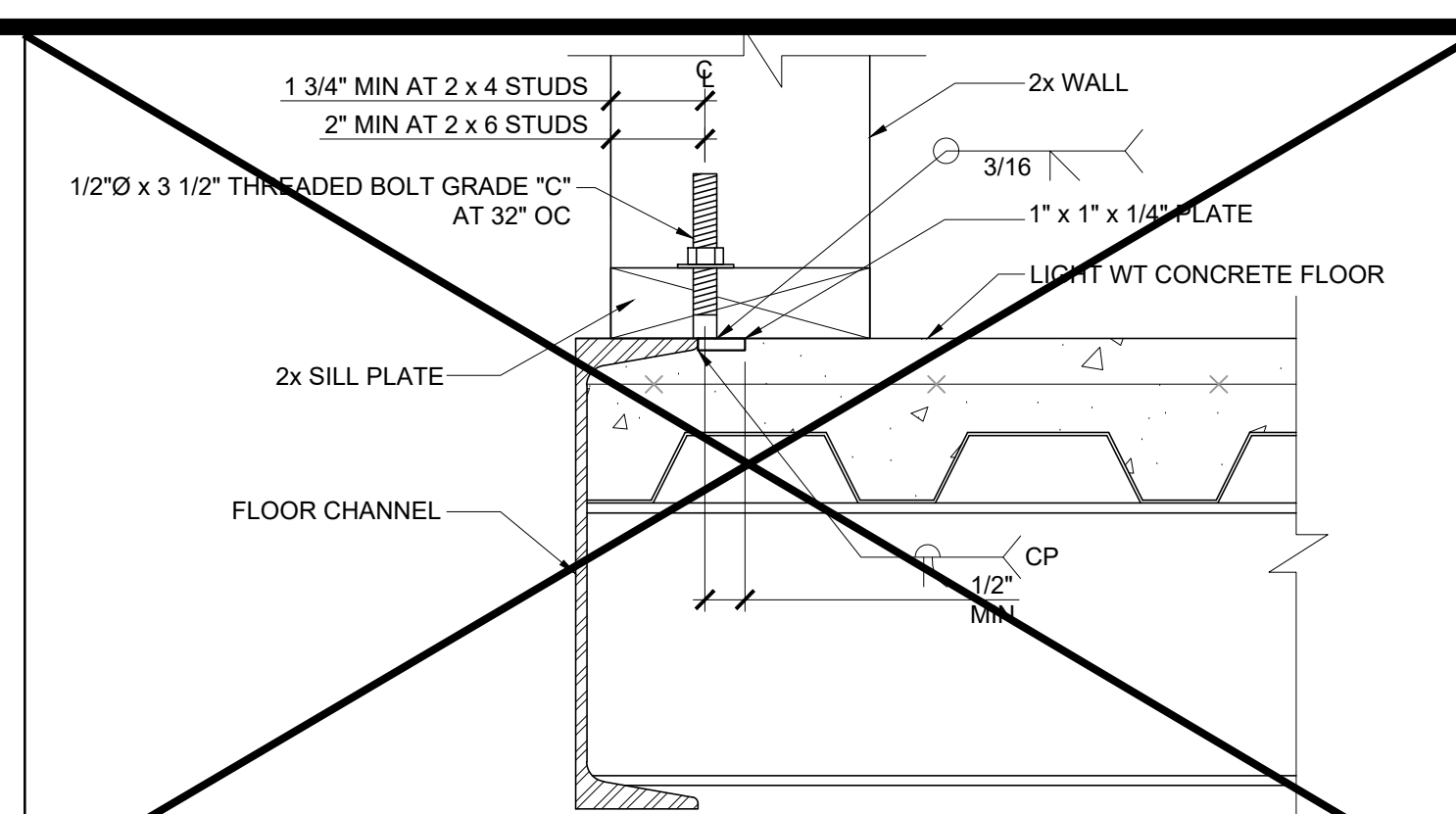
PARTITION CONNECTION AT CONC FLOOR SCALE: 3\"/>



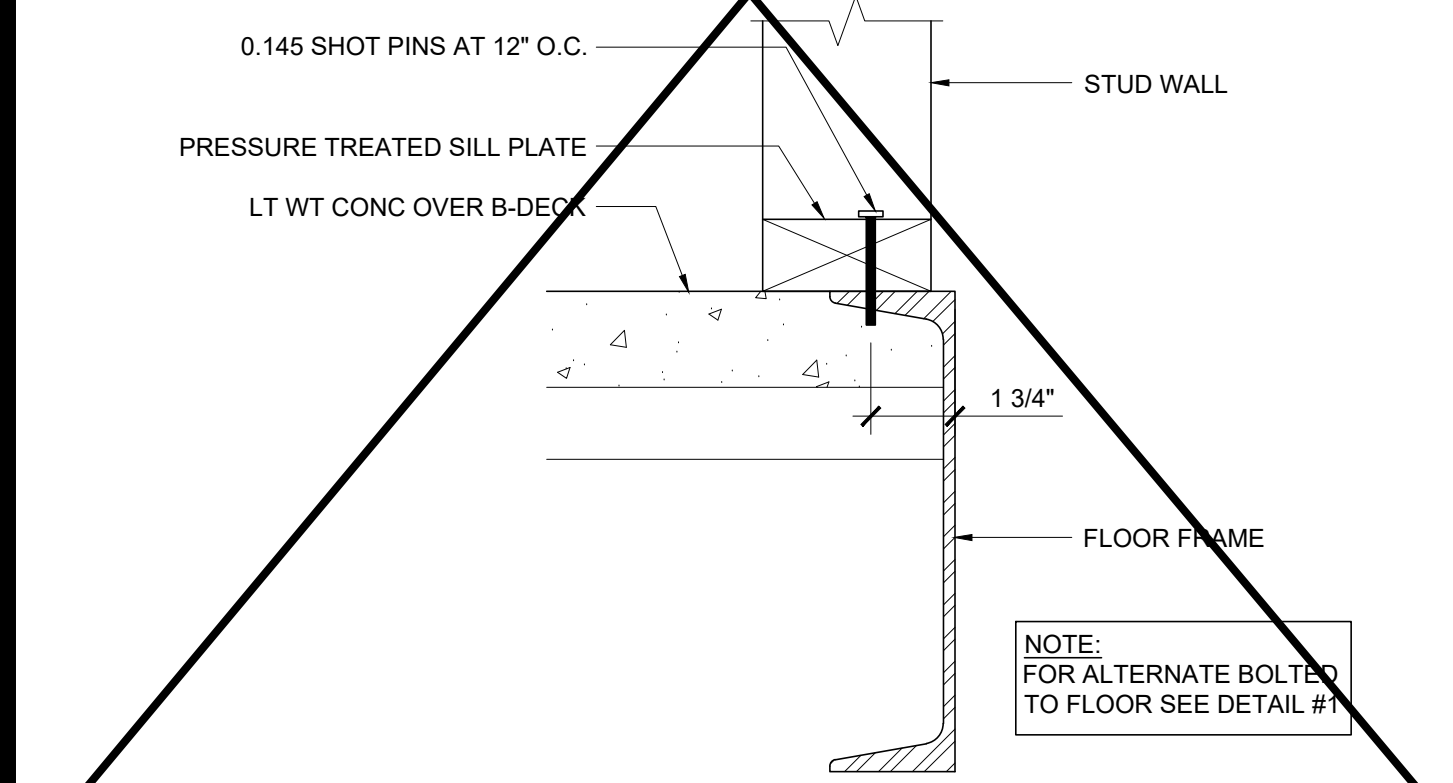
PARTITION CONNECTION AT WOOD FLOOR SCALE: 3\"/>



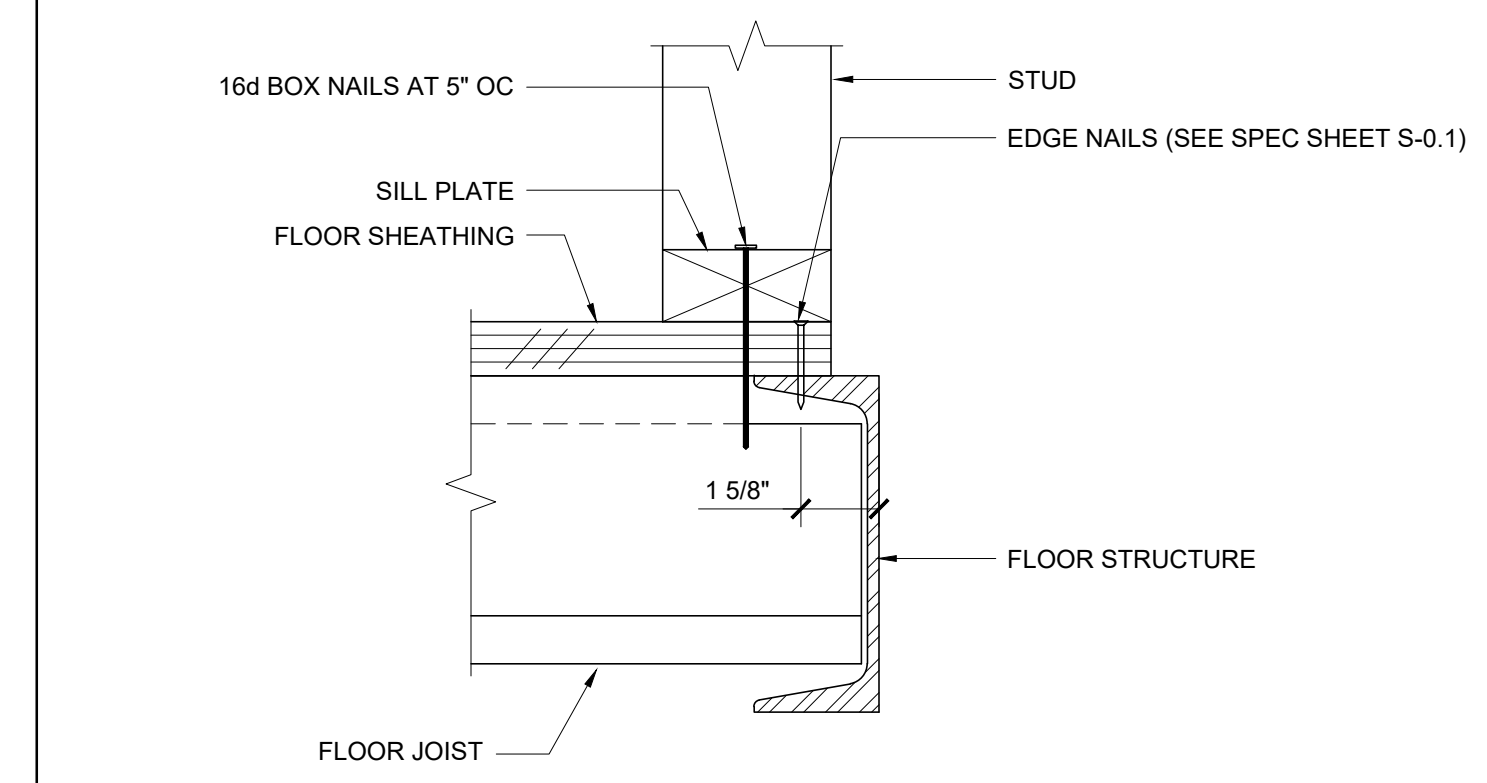
VERTICAL SHEATHING LAP JOINT SCALE: 3\"/>



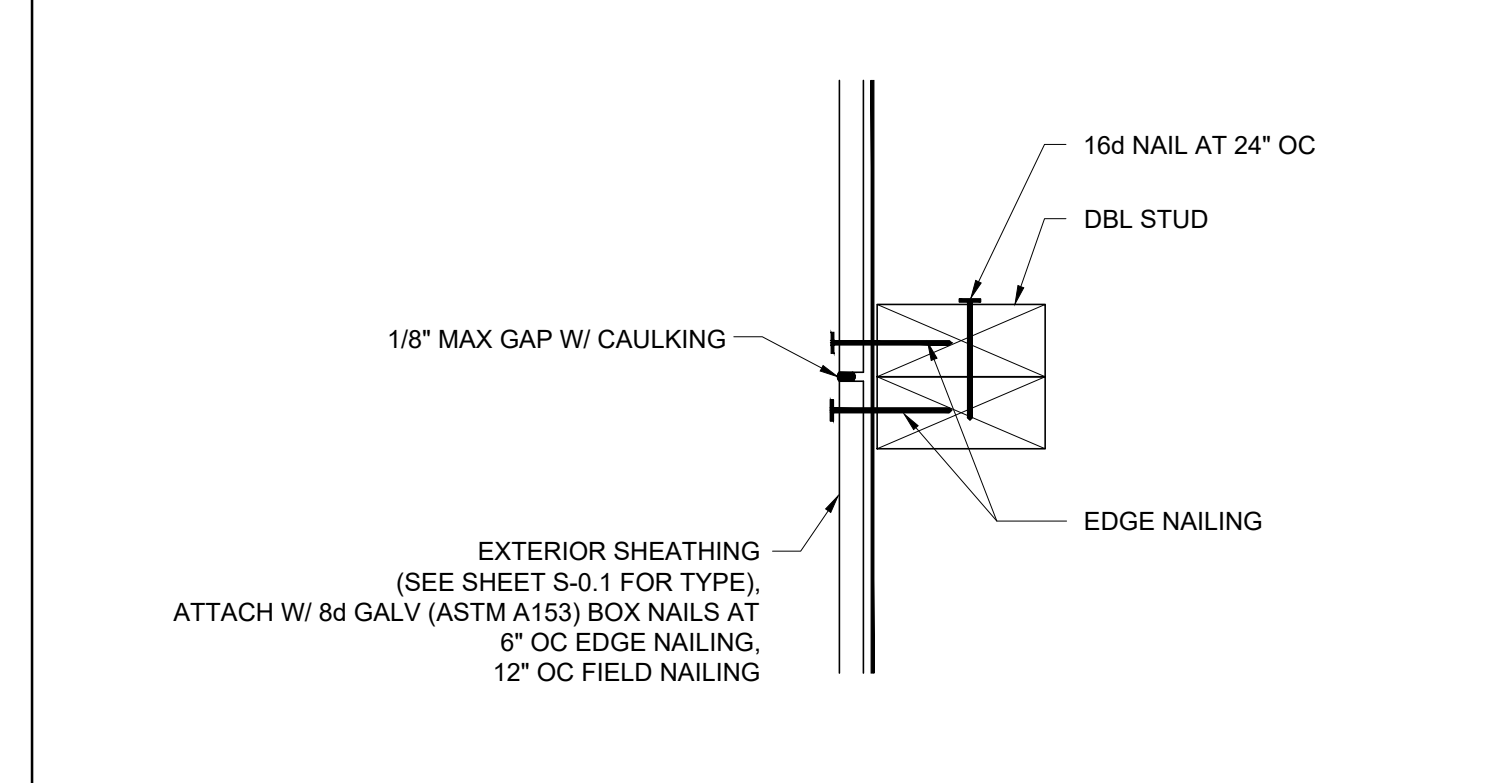
OPTIONAL BOLTED WALL TO FLOOR SCALE: NTS



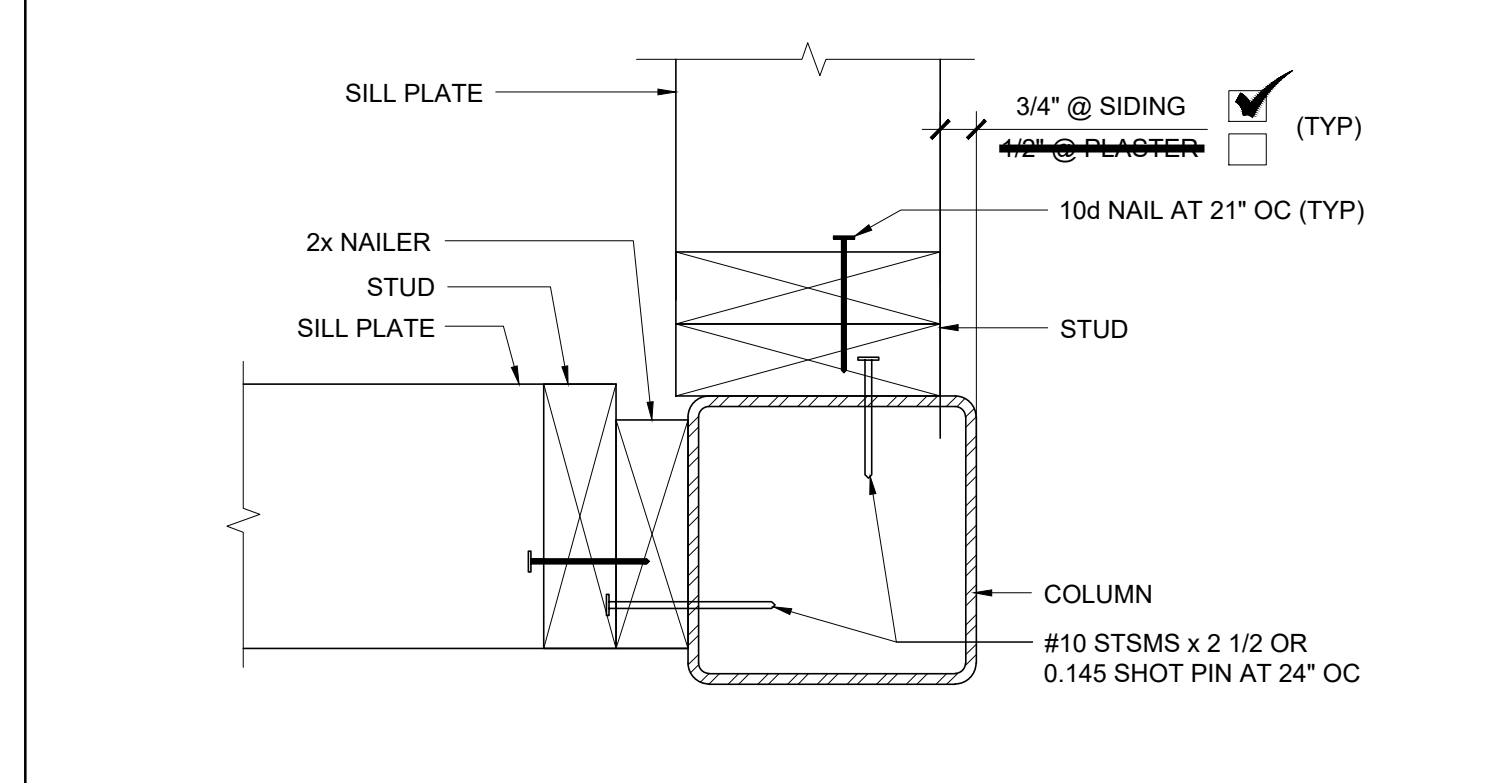
WALL SILL AT CONCRETE FLOOR SCALE: 3\"/>



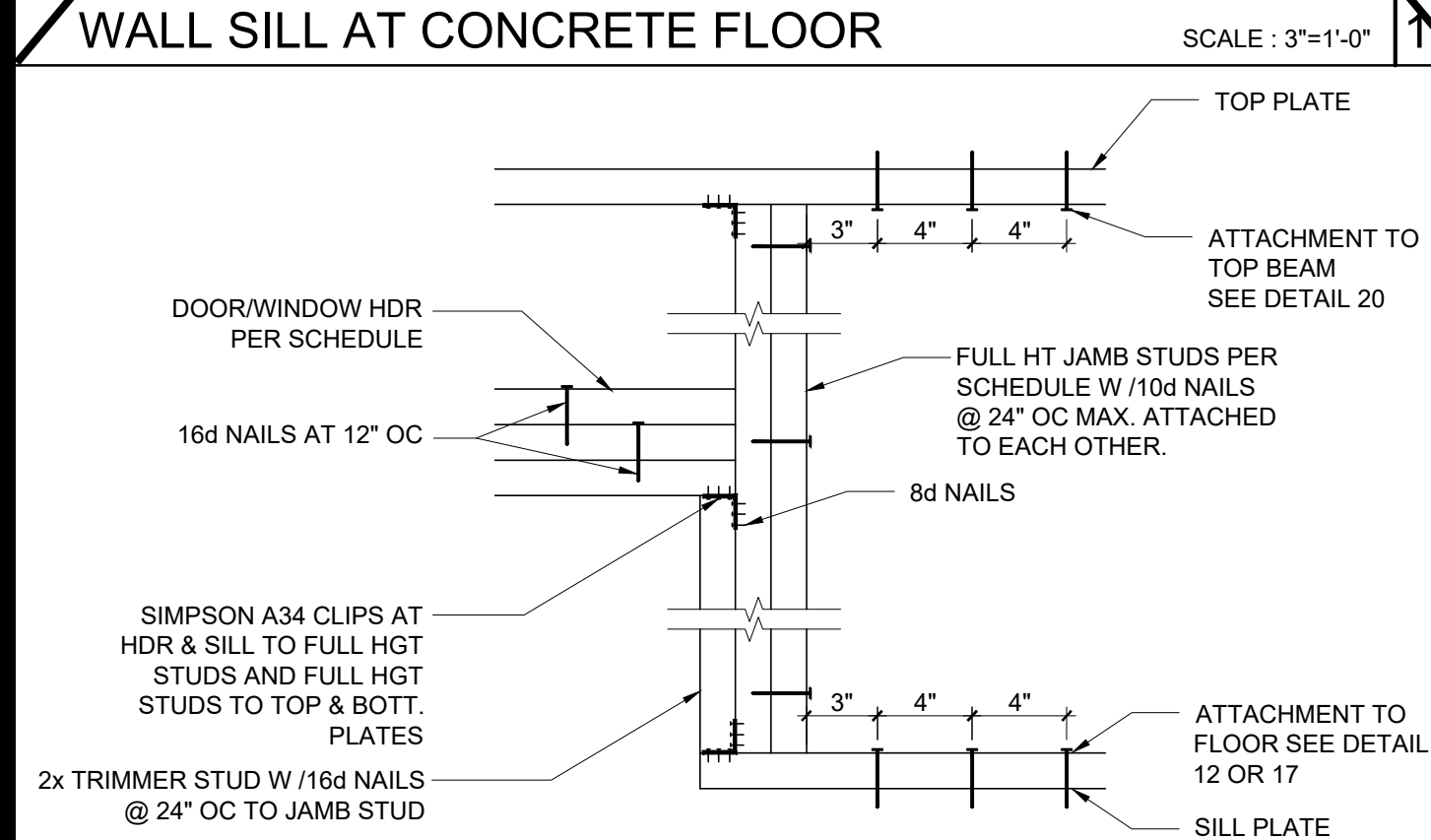
WALL SILL AT WOOD FLOOR SCALE: 3\"/>



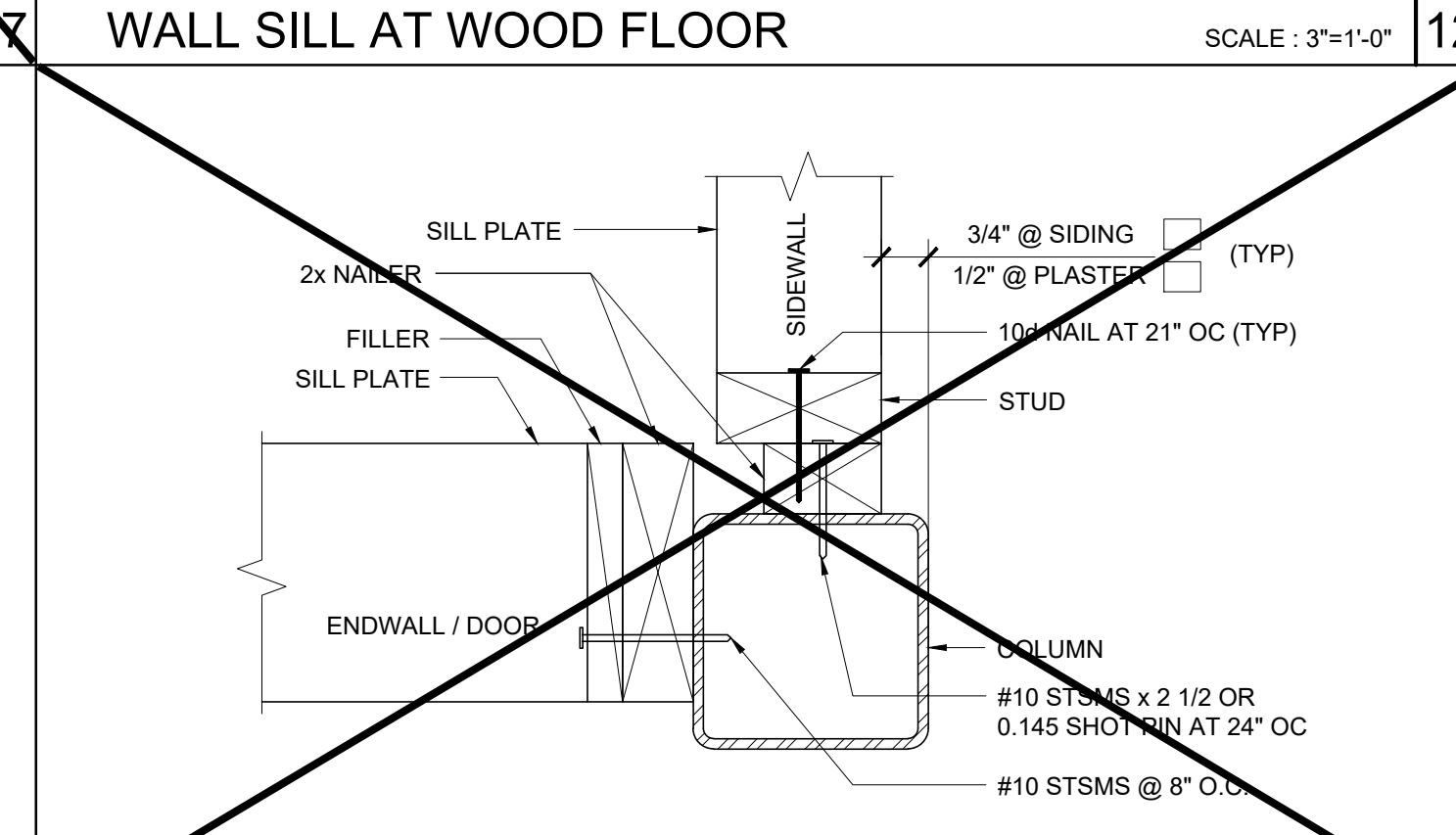
VERTICAL SHEATHING BUTT JOINT SCALE: 3\"/>



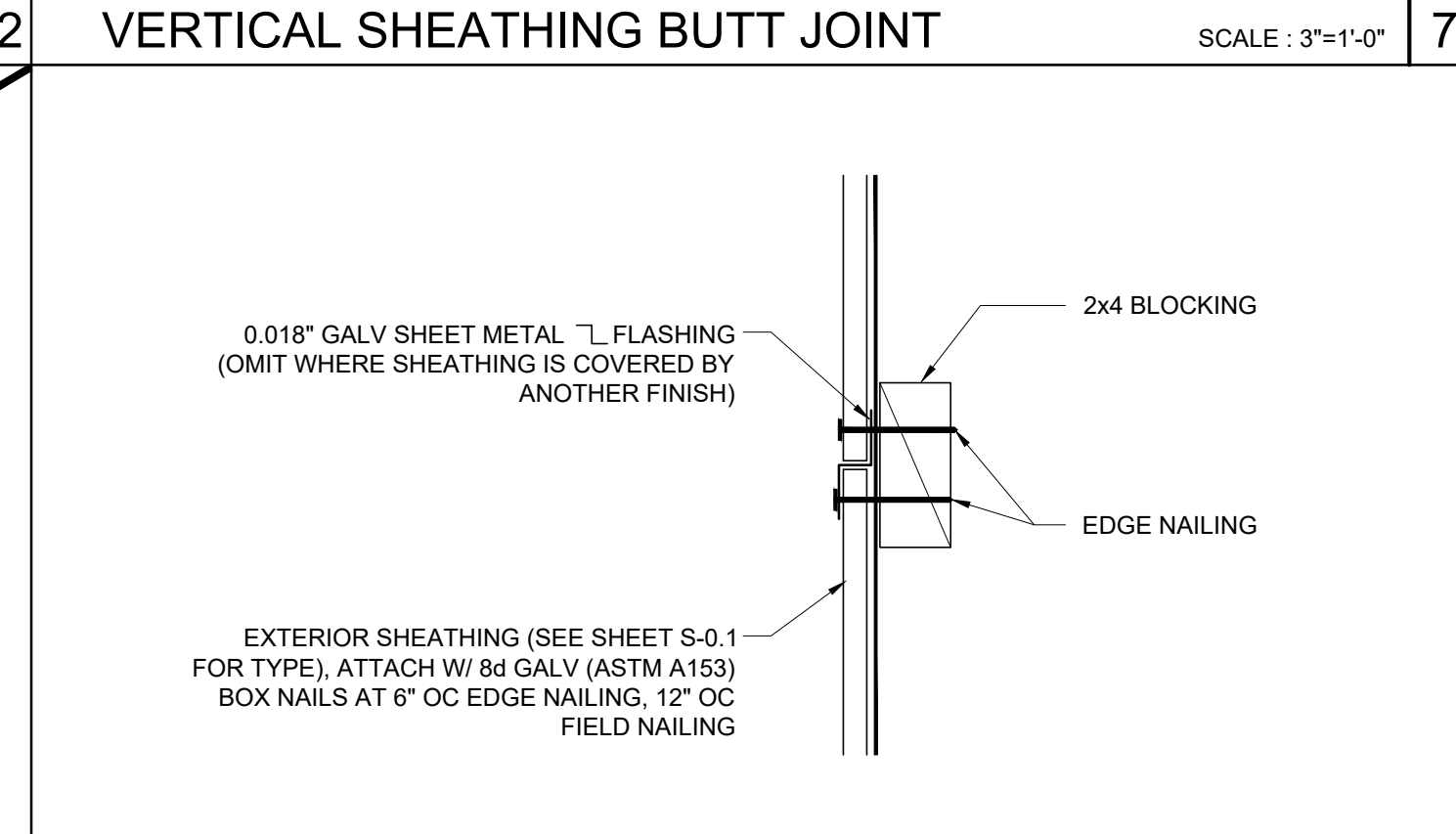
COLUMN AT ENDWALL (2x6) SCALE: 3\"/>



DOOR/WINDOW HEADER AND JAMB SCALE: 1 1/2\"/>



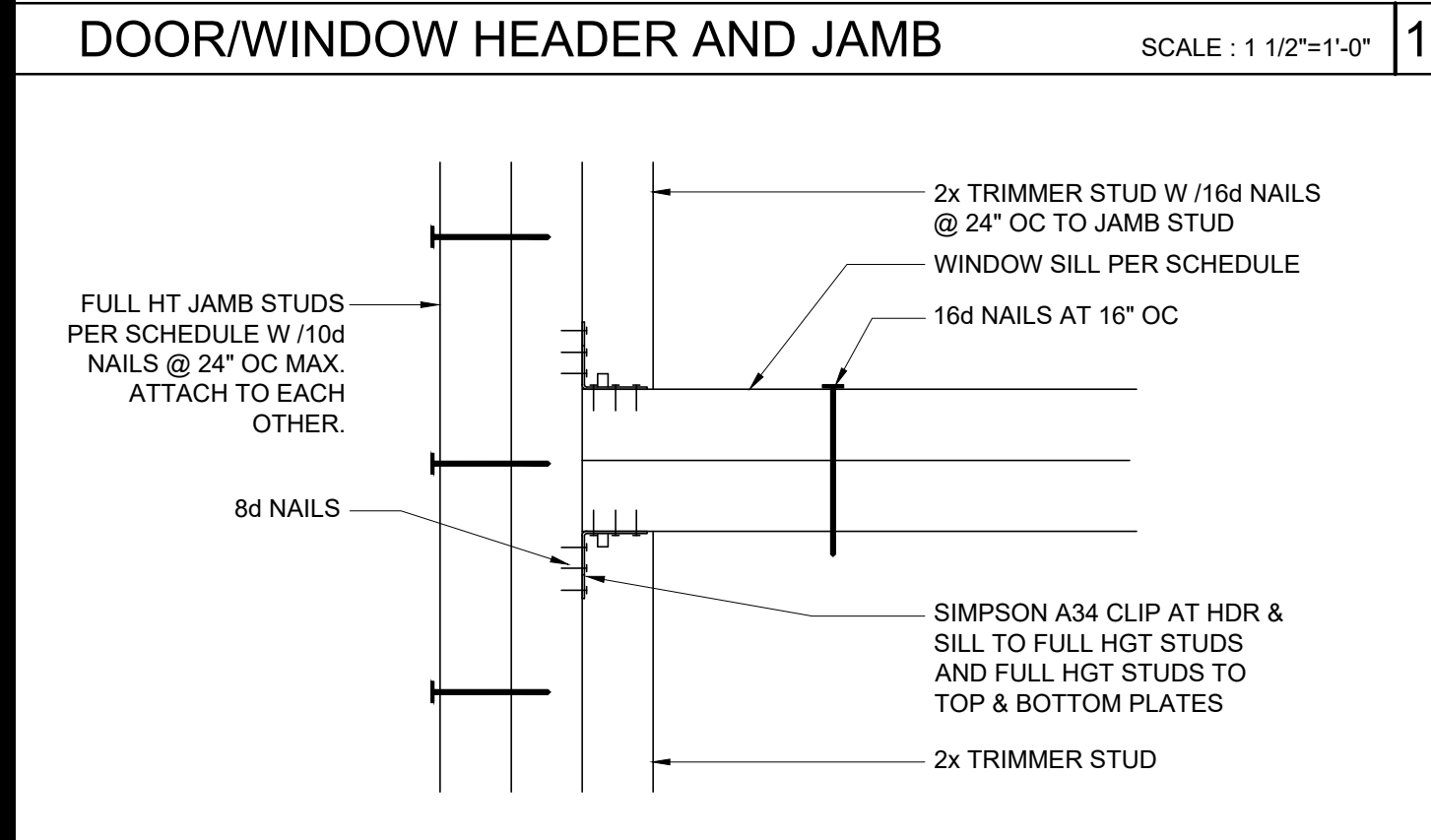
COLUMN AT ENDWALL (2x4) SCALE: 3\"/>



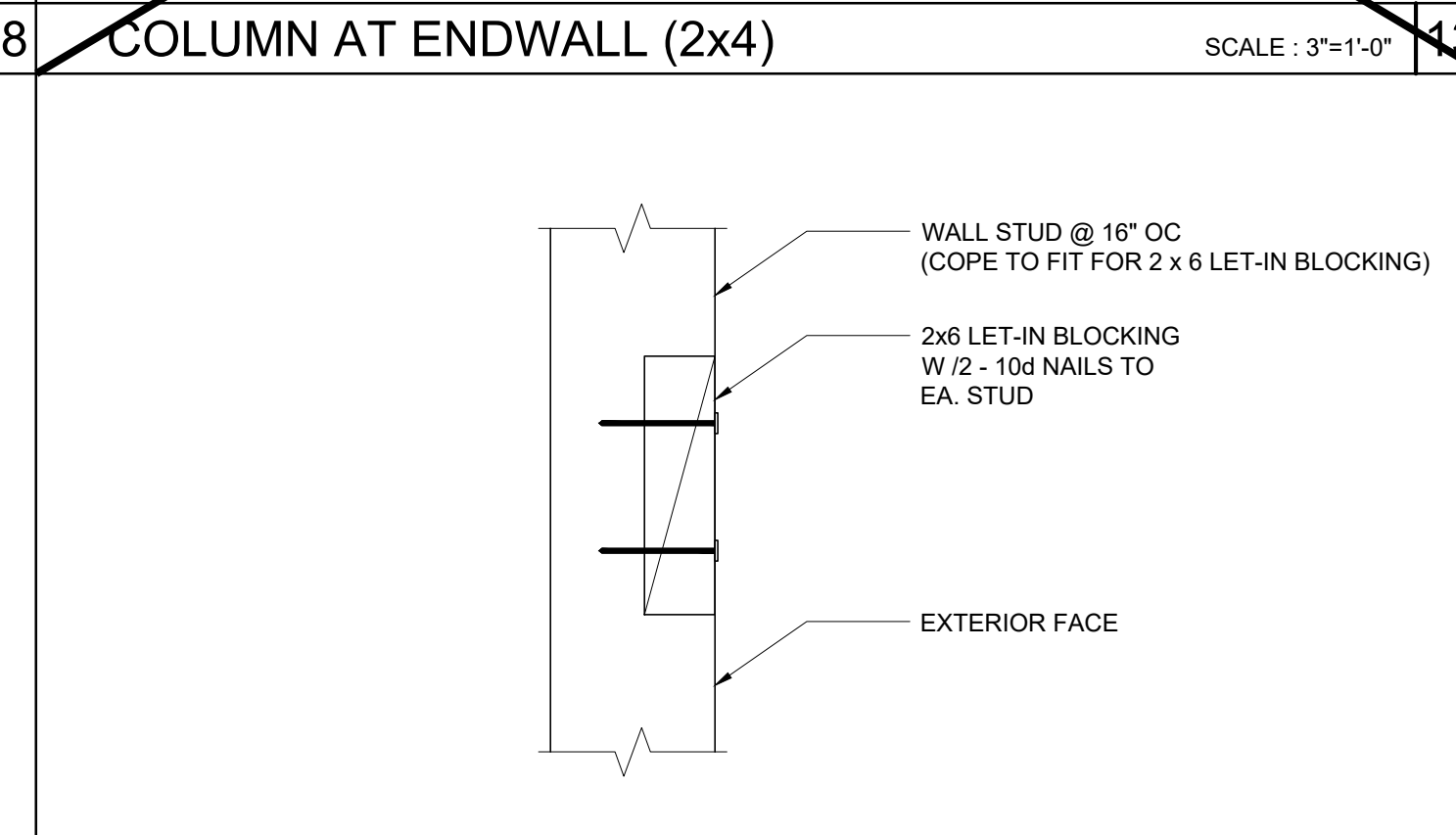
HORIZONTAL SHEATHING JOINT SCALE: 3\"/>

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	DF	#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

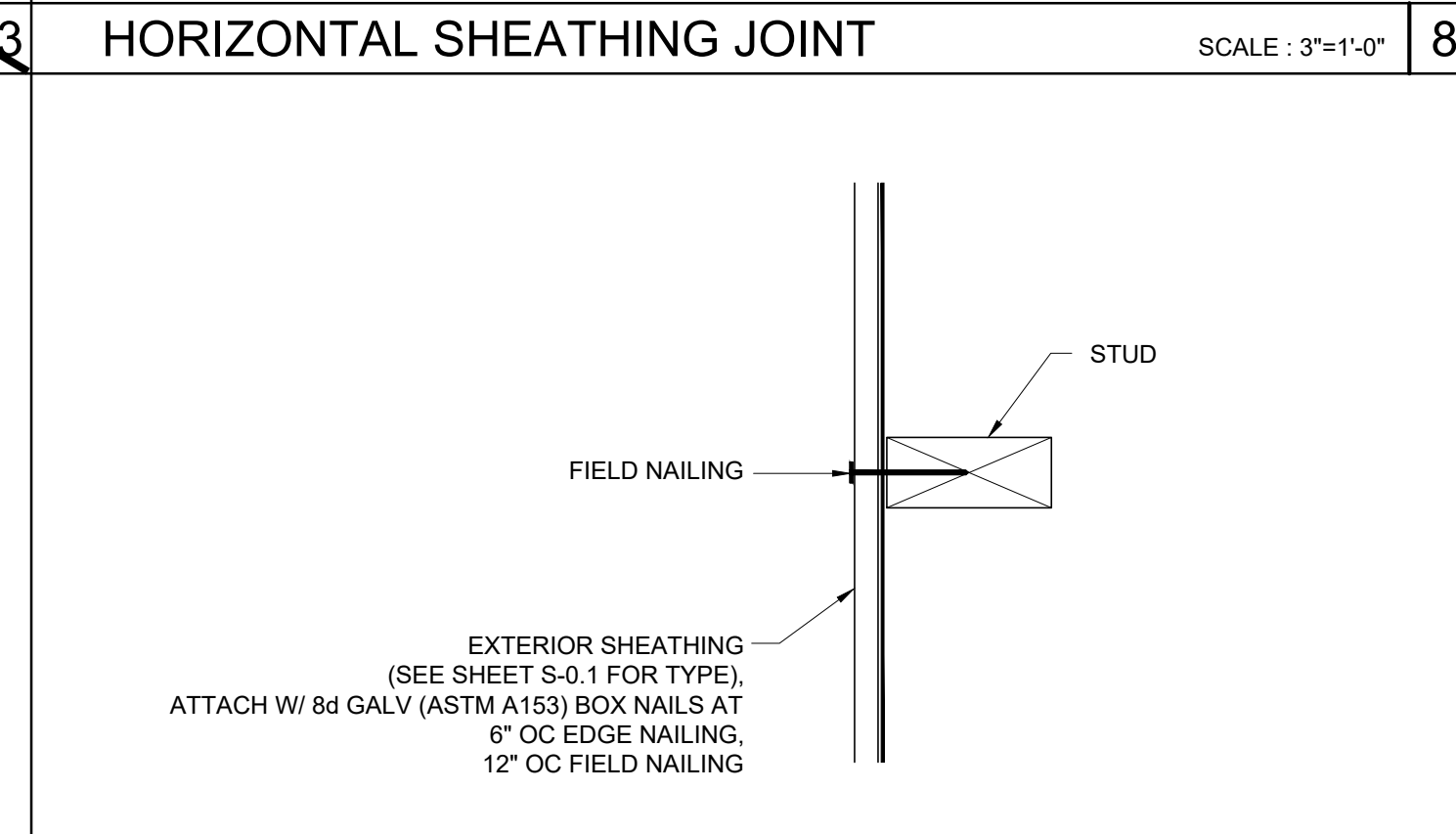
NOTE: OPENINGS LARGER THAN 3'x7' ARE NOT PERMITTED IN 2x4 WALLS WITH PLASTER FINISH.



WINDOW SILL AND JAMB SCALE: 3\"/>



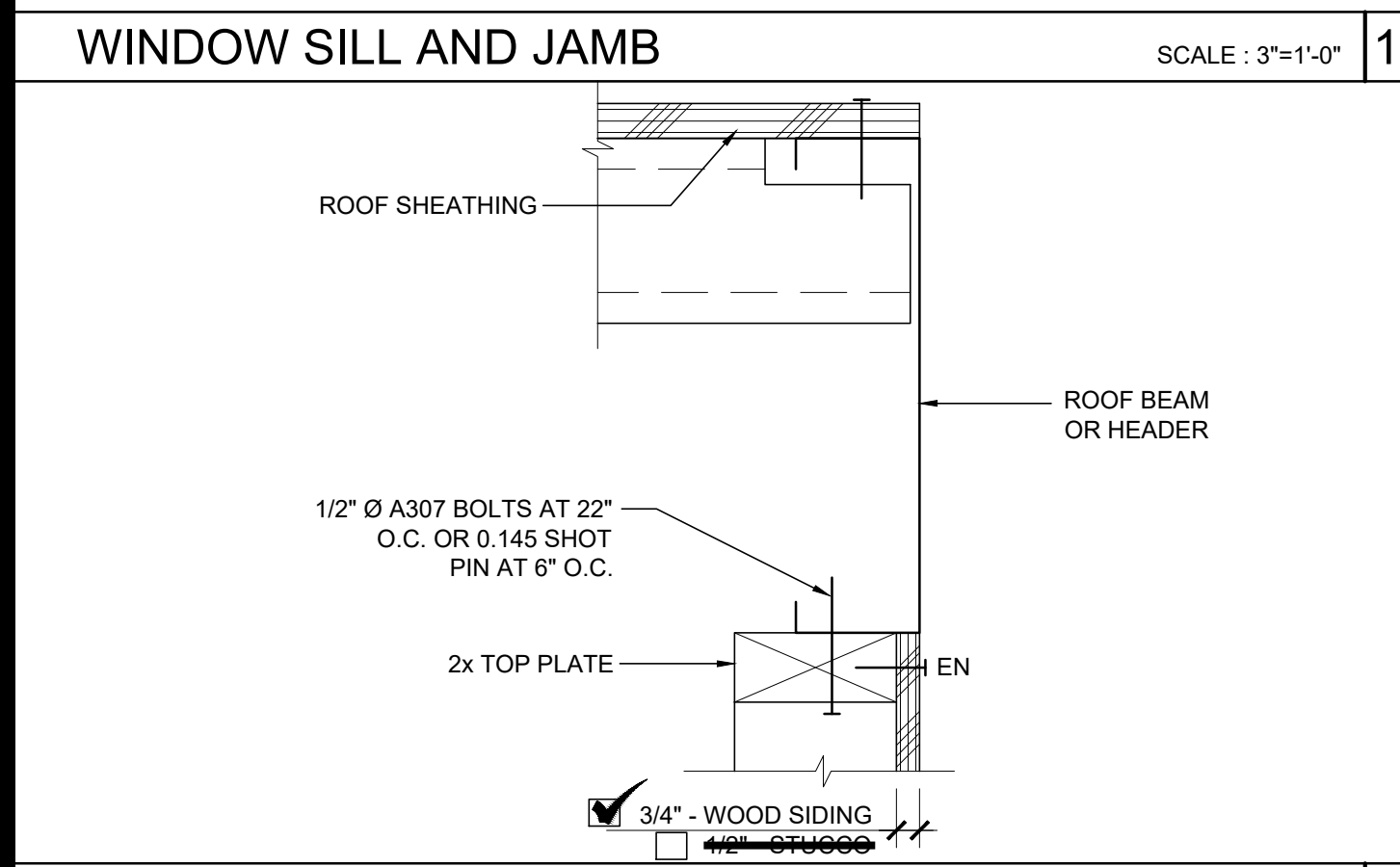
LET-IN BLOCK ATTACHMENT SCALE: 3\"/>



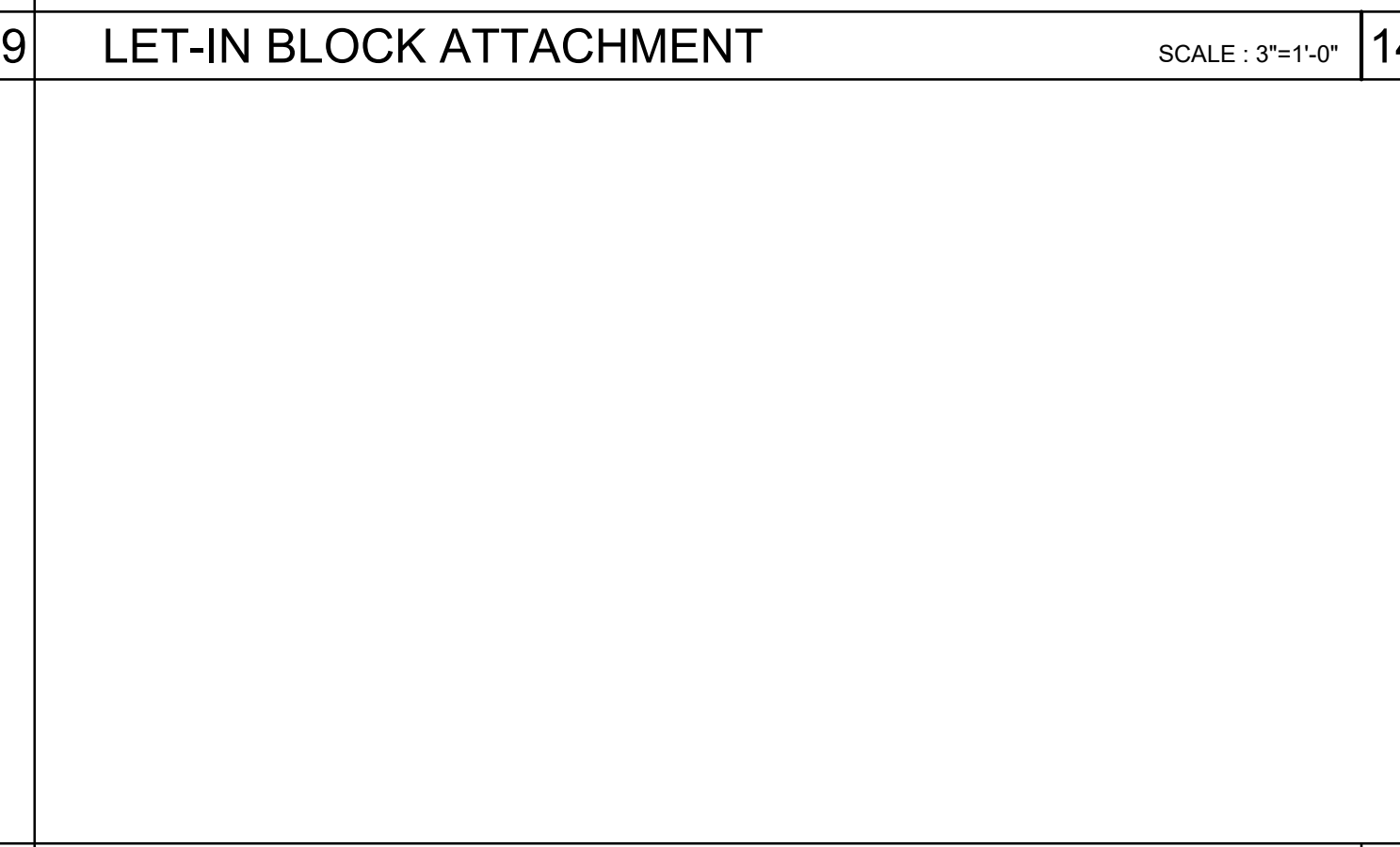
SECTION AT SHEATHING TO STUD ATTACHMENT SCALE: 3\"/>

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING						4' CORNER OF WOOD WALL FRAMING (ZONE 5)					
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC		
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\"/>							

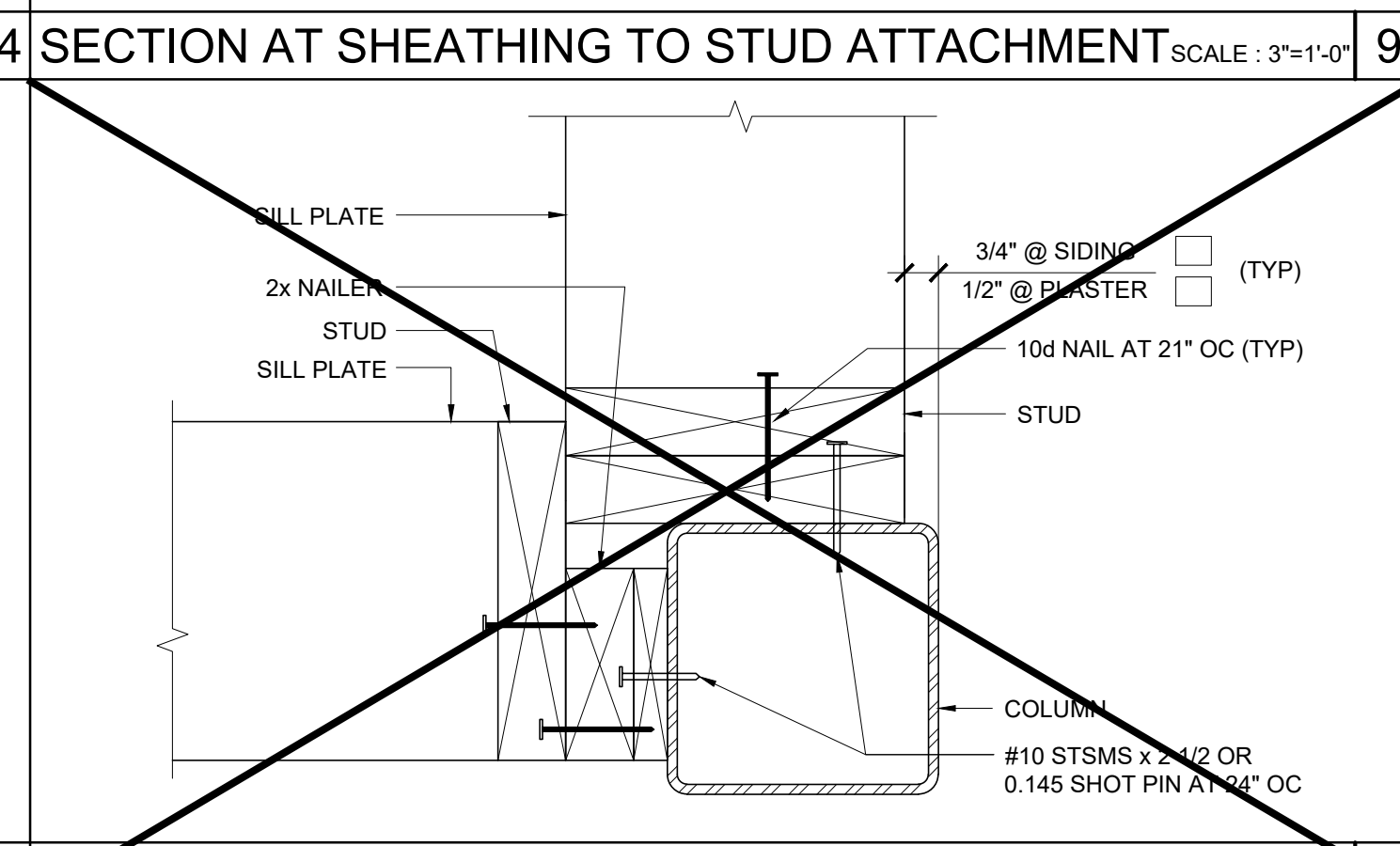
2x4 OPENING STUDS SCHEDULE



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	TYPE	OC		
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\"/>							

2x4 WALL FRAMING SCHEDULE

- NOTES:
- 2X4 WALL FRAMING NOT PERMITTED FOR STUCCO 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

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122155 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

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

SHEET TITLE:  
**WALL FRAMING  
DETAILS  
WOOD STUDS**

REVISIONS

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REVIEWED FOR  
SS  FLS  ACS   
DATE: 08/31/2023

PC STATE AGENCY APPROVAL



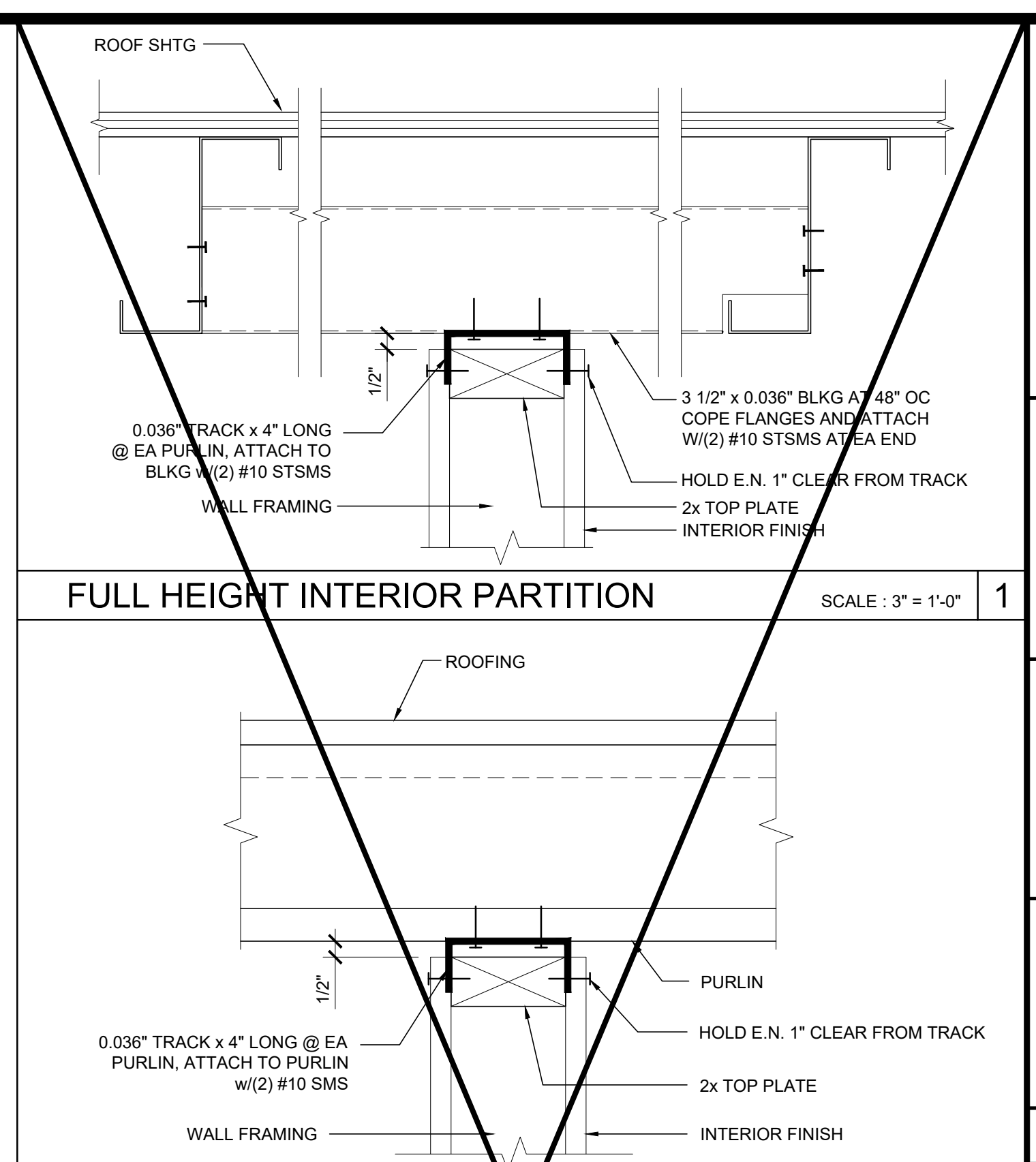
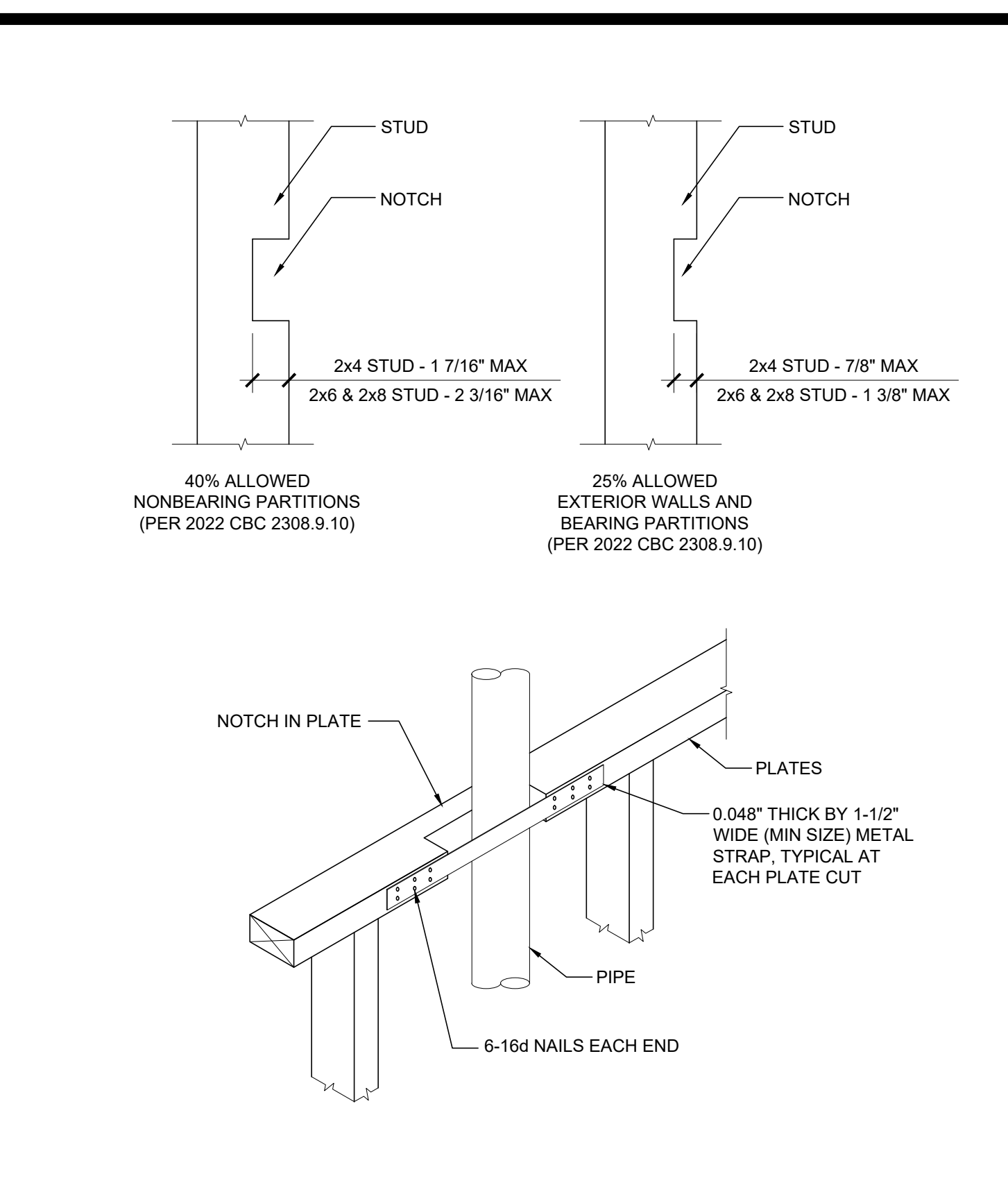
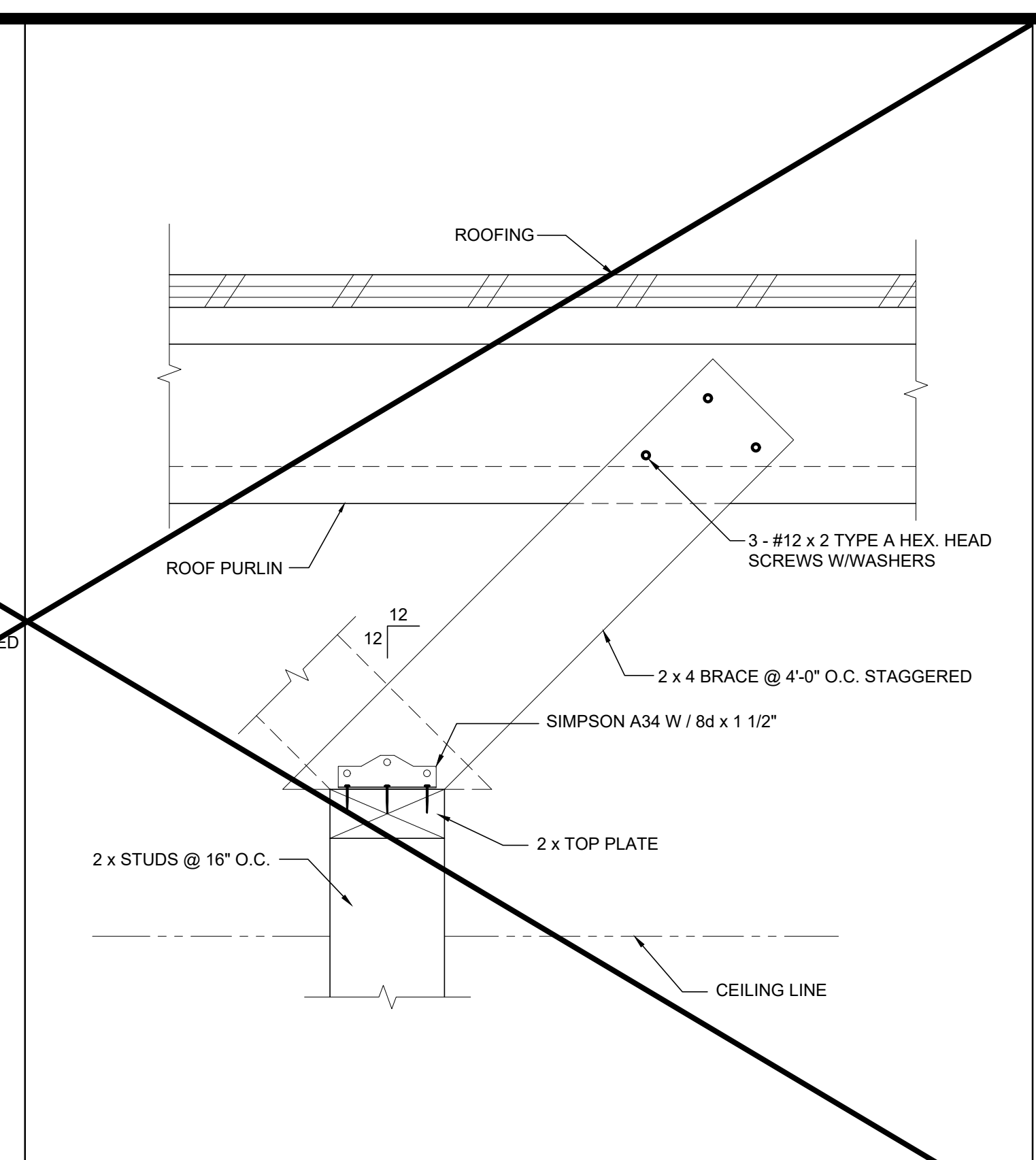
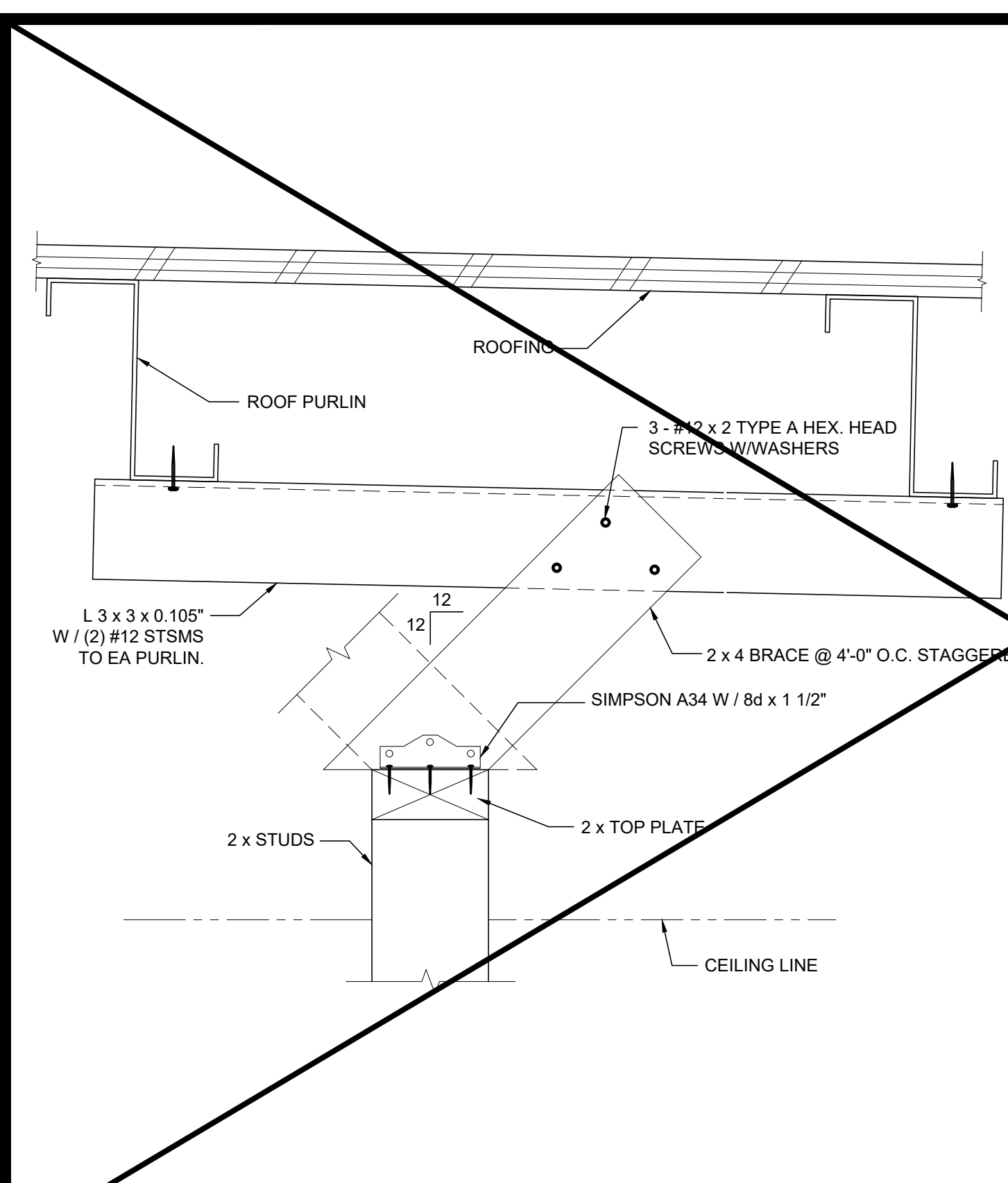
**Silver Creek**  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

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**



INTERIOR PARTITION SCALE : 3" = 1'-0" 14

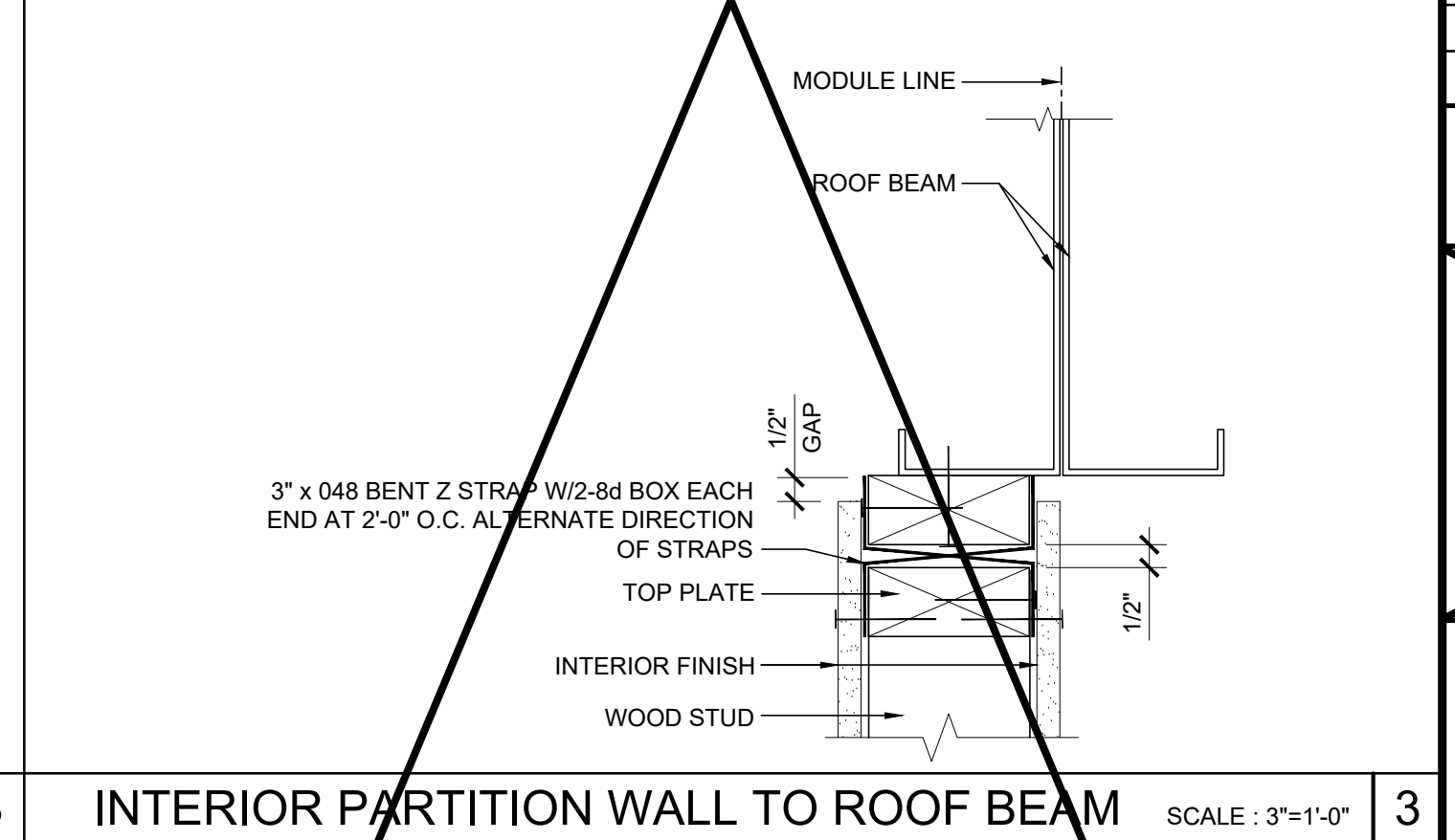
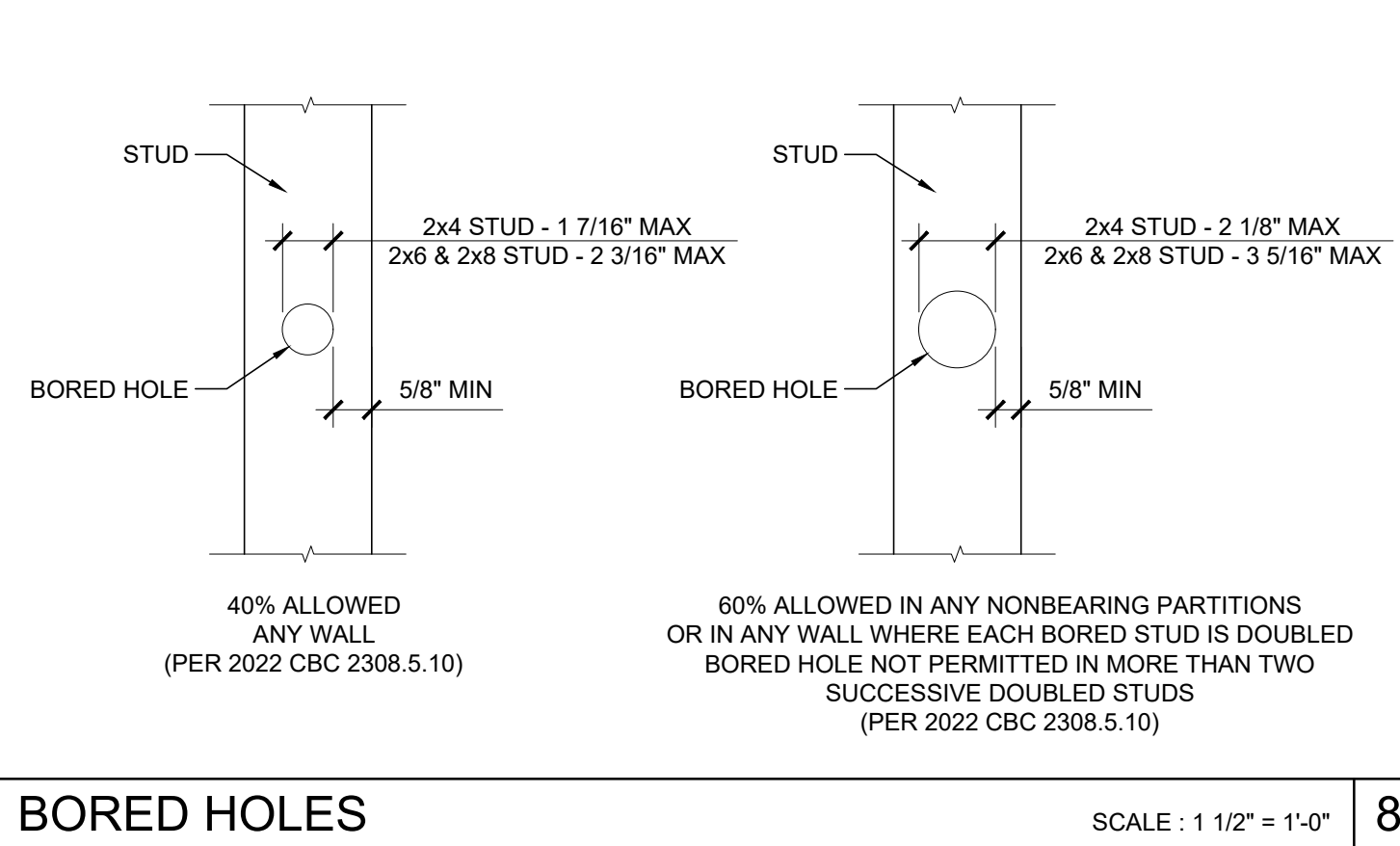
INTERIOR PARTITION SCALE : 3" = 1'-0" 14

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

2x8 OPENING STUDS SCHEDULE 14

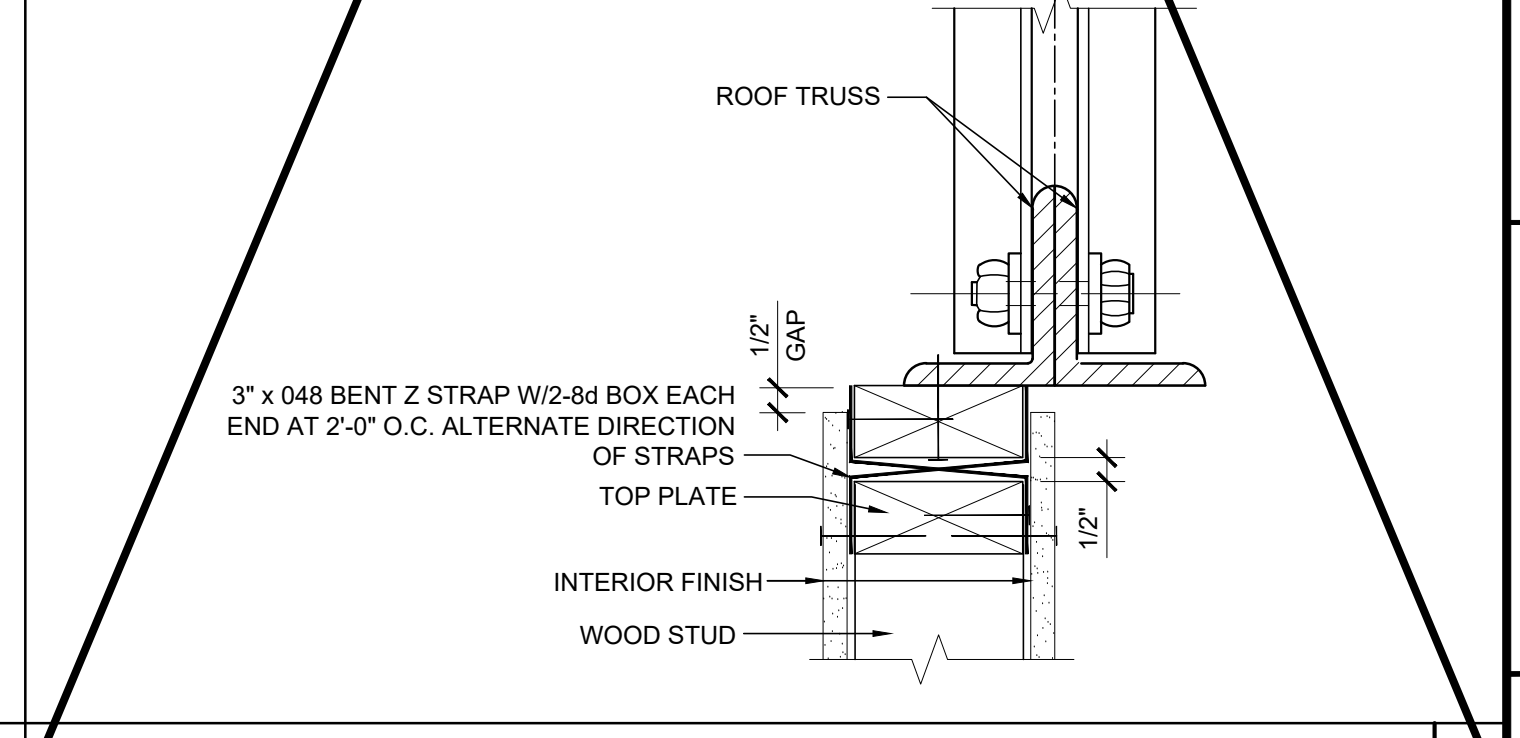
BORED HOLES SCALE : 1 1/2" = 1'-0" 8

INTERIOR PARTITION WALL TO ROOF BEAM SCALE : 3" = 1'-0" 3

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

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

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

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 10

NOT USED 5

2x6 WALL FRAMING SCHEDULE 20

2x8 WALL FRAMING SCHEDULE 15

NOT USED 10

NOT USED 5

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122155 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  
SOMERSET M.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



MODULAR BUILDING DESIGN PROFESSIONAL

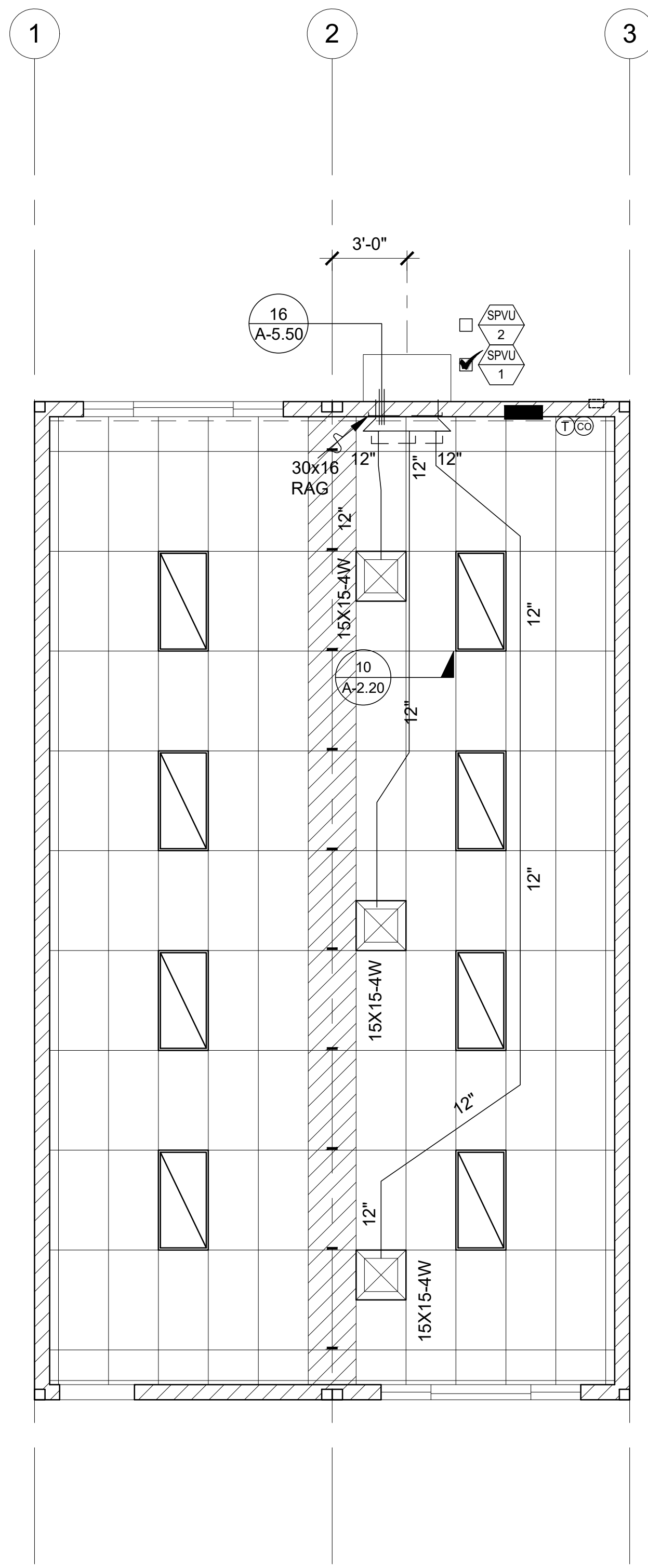
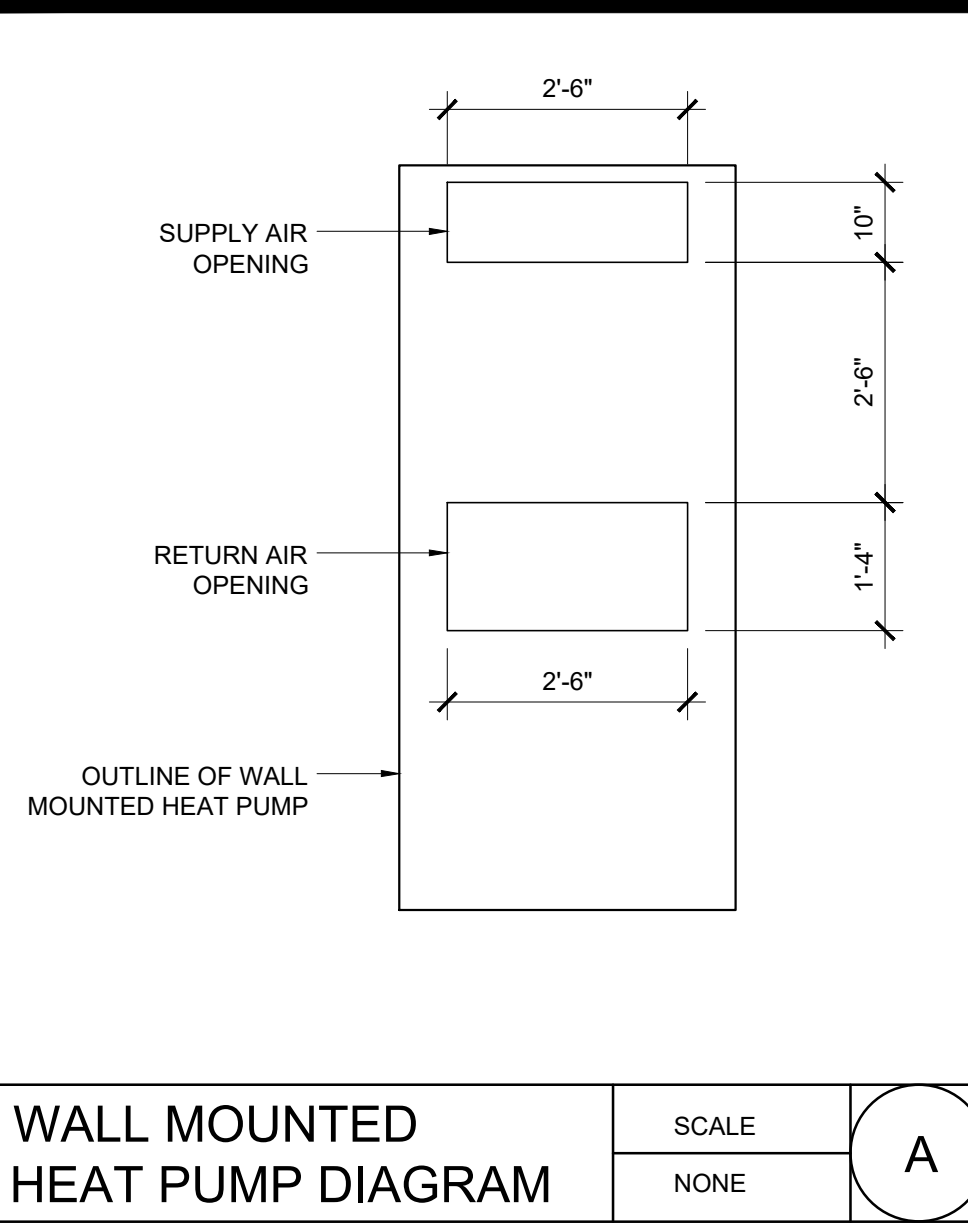


SILVER CREEK INDUSTRIES  
24' x 40' PC  
PROJECT NO:  
DRAWN BY:  
SCALE: AS NOTED  
DATE: 02-27-2023  
P.C. SHEET NUMBER

**S-5.11**







WALL MOUNTED MECHANICAL EQUIPMENT SCHEDULE		
	SPVU-1	SPVU-2
HVAC Equipment	SPVU-1	SPVU-2
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.

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APP: 02-122155 INC:  
REVIEWED FOR  
SS  FLS  ACS   
DATE: 3/5/2024

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

**SYLVAN USD  
SOMERSET M.S.  
(2) 24' x 40'  
CLASSROOM BUILDINGS**

SHEET TITLE:

**MECHANICAL PLAN  
WALL MOUNT  
24' x 40'**

REVISIONS

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

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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:

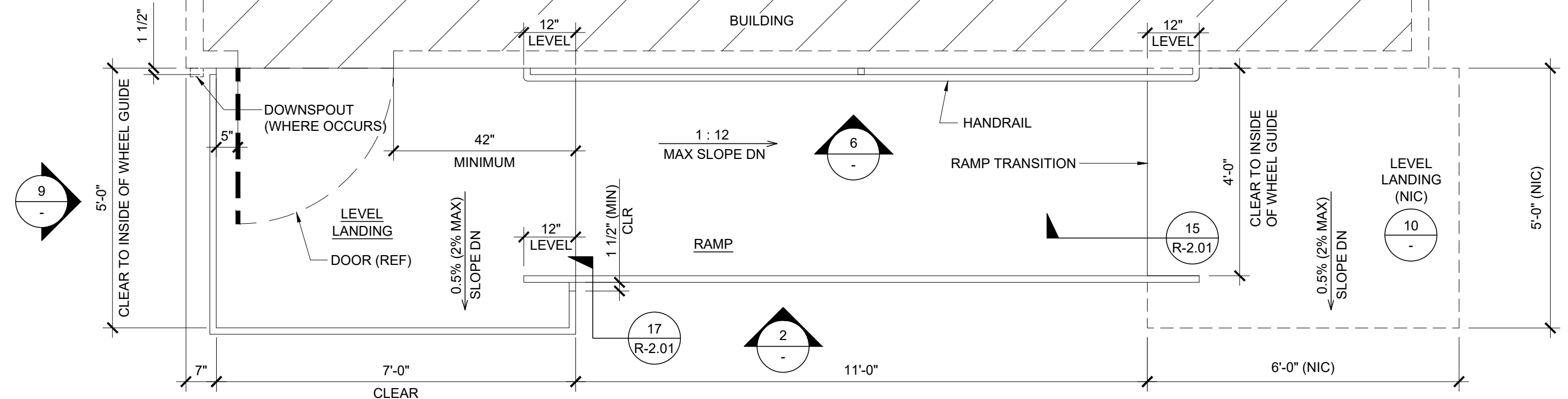
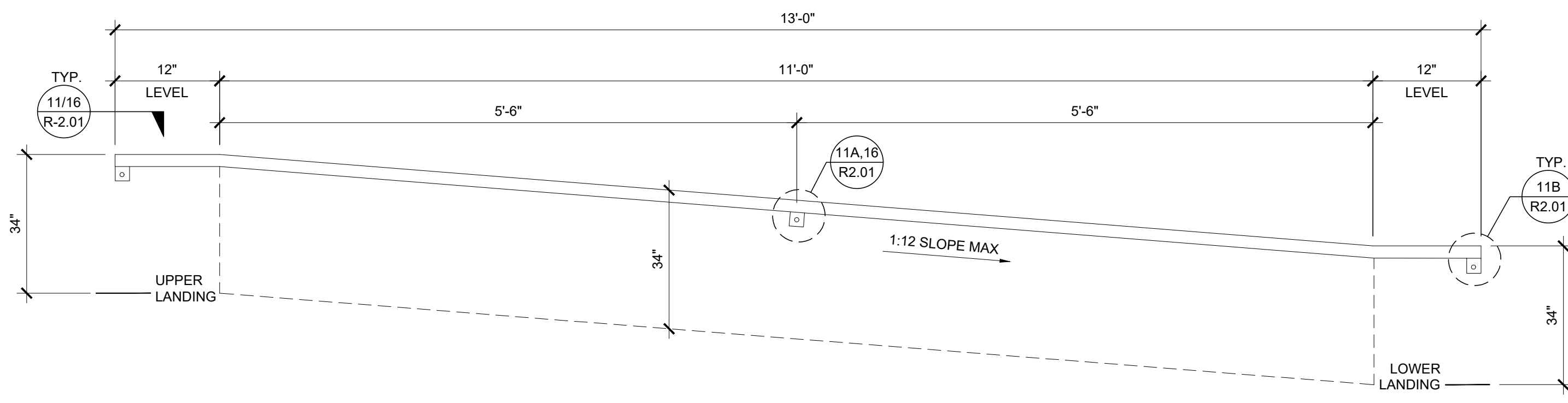
SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

**M-1.01**





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HANDRAIL ATTACHMENT TO BUILDING

SCALE: 1" = 1'-0" 6

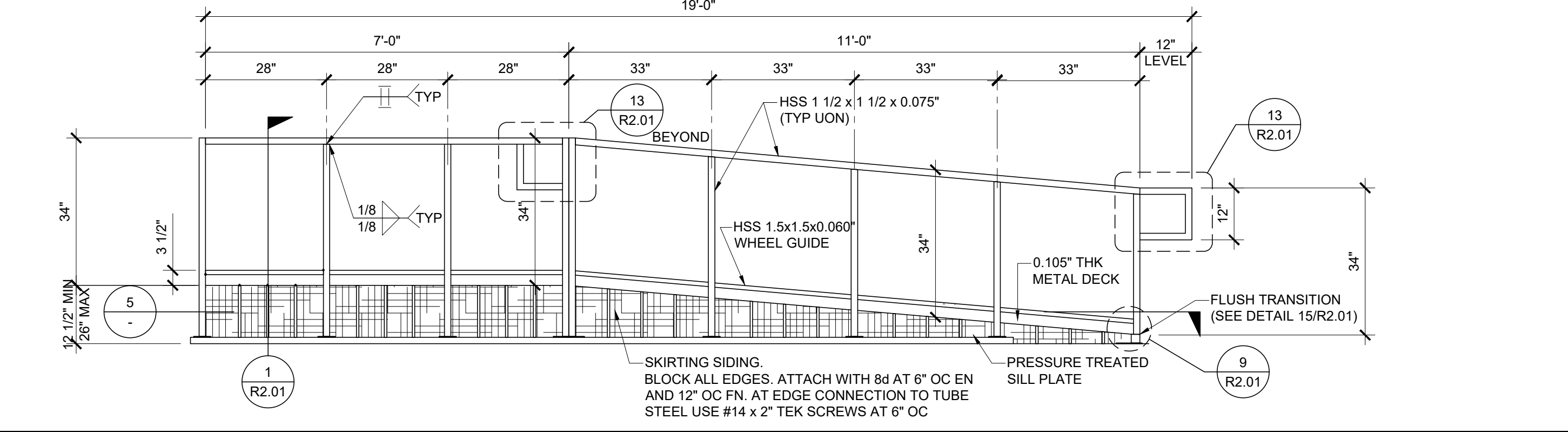
RAMP AND LANDING AT BUILDING

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



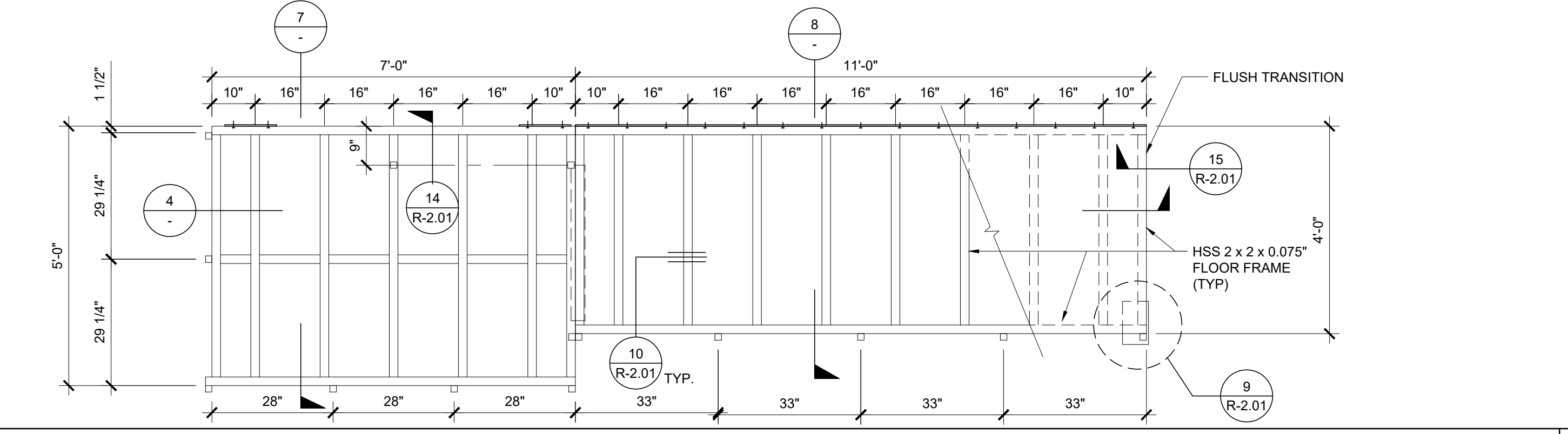
11 SECTION AT LANDING

SCALE: 1/2" = 1'-0" 7



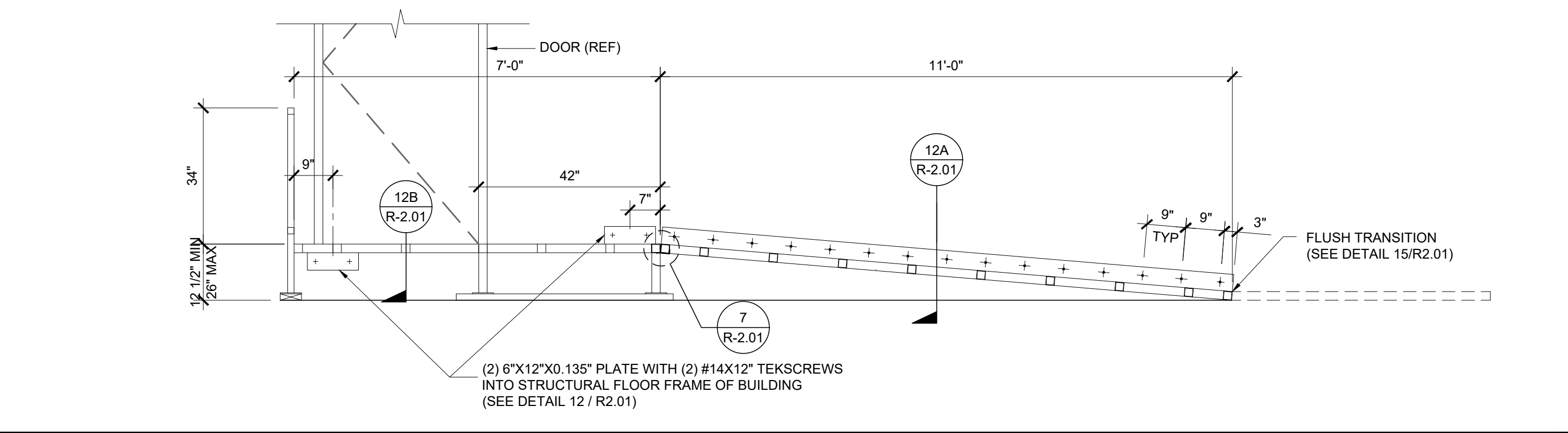
12 SECTION AT RAMP

SCALE: 1/2" = 1'-0" 8



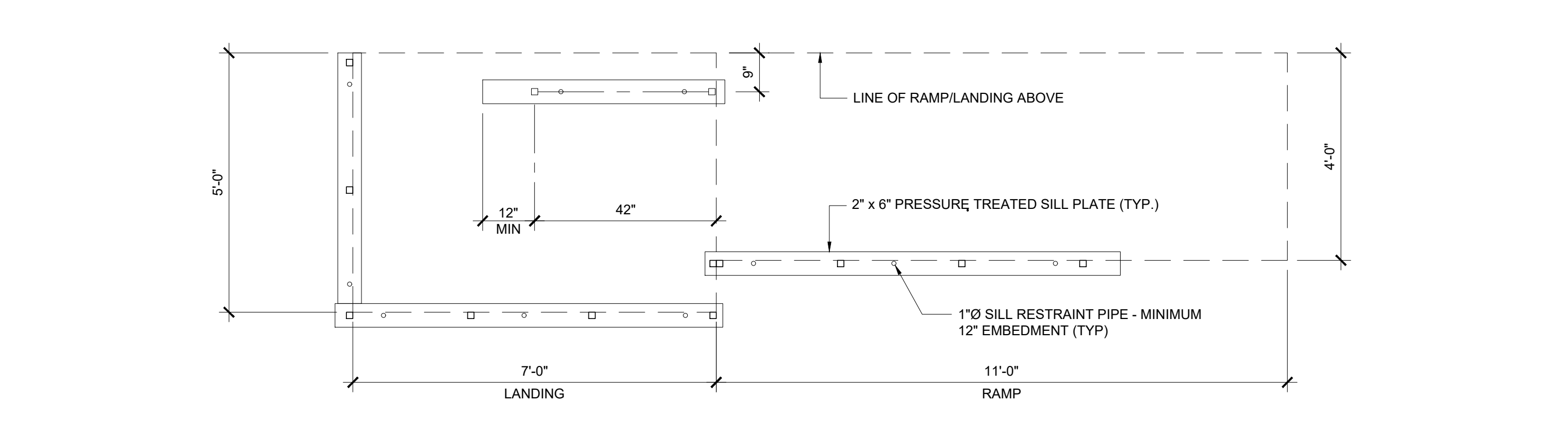
13 LANDING ELEVATION

SCALE: 1/2" = 1'-0" 9



14 RAMP TRANSITION

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



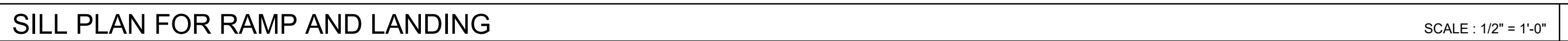
NOTE:  
 1. 1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAILS.  
 2. TRANSITIONS EXCEEDING 1:20 BUT NOT TO EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT.  
 (THIS CONDITION REQUIRES A SITE SPECIFIC DETAIL PROVIDED BY ARCHITECT TO DEMONSTRATE ACCESSIBLE RAMP.)

14 RAMP TRANSITION

SCALE: NTS 10

10 SILL PLAN FOR RAMP AND LANDING

SCALE: 1/2" = 1'-0" 5



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

SHEET TITLE:  
**RAMP LANDING**

REVISIONS


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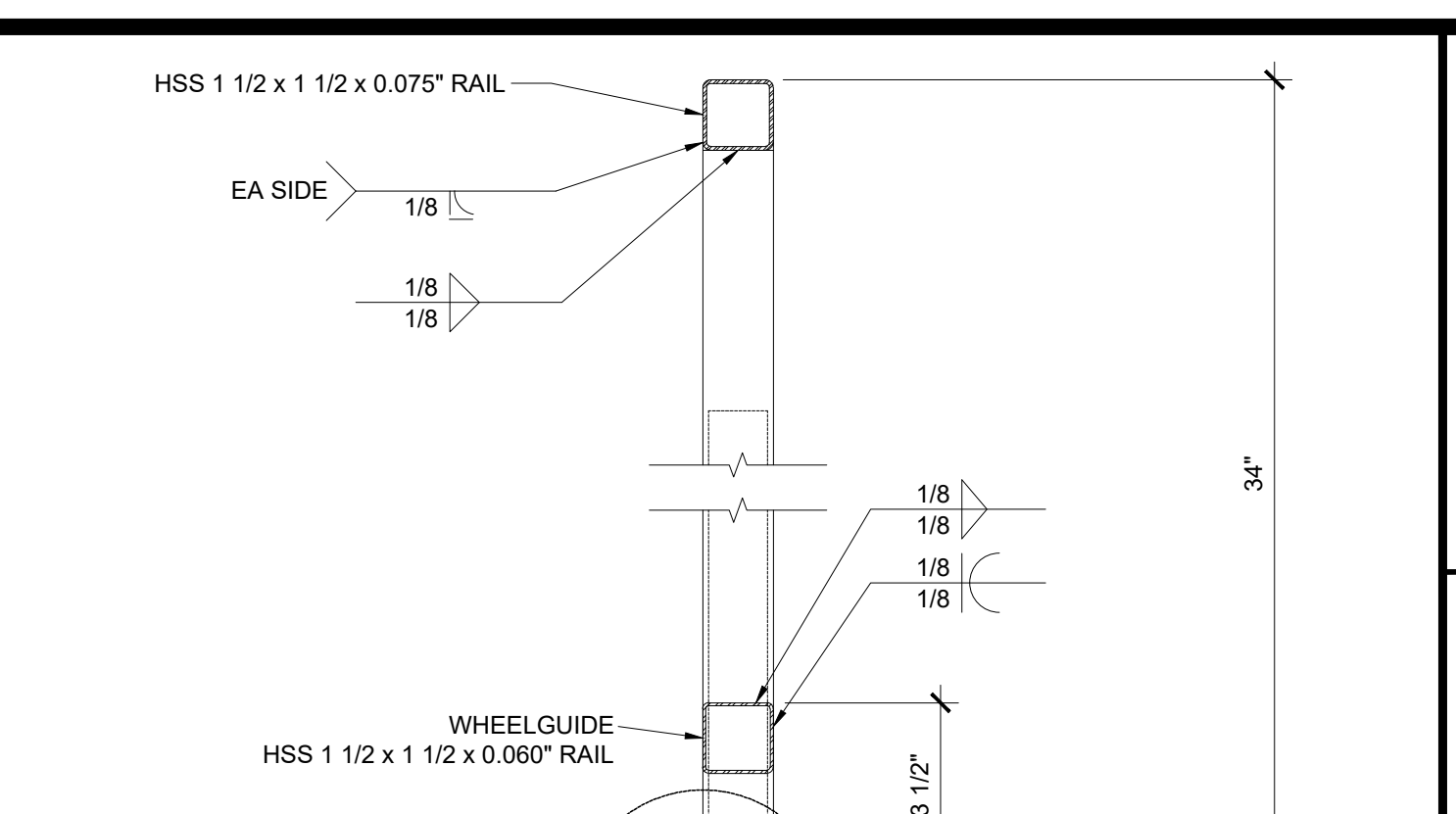
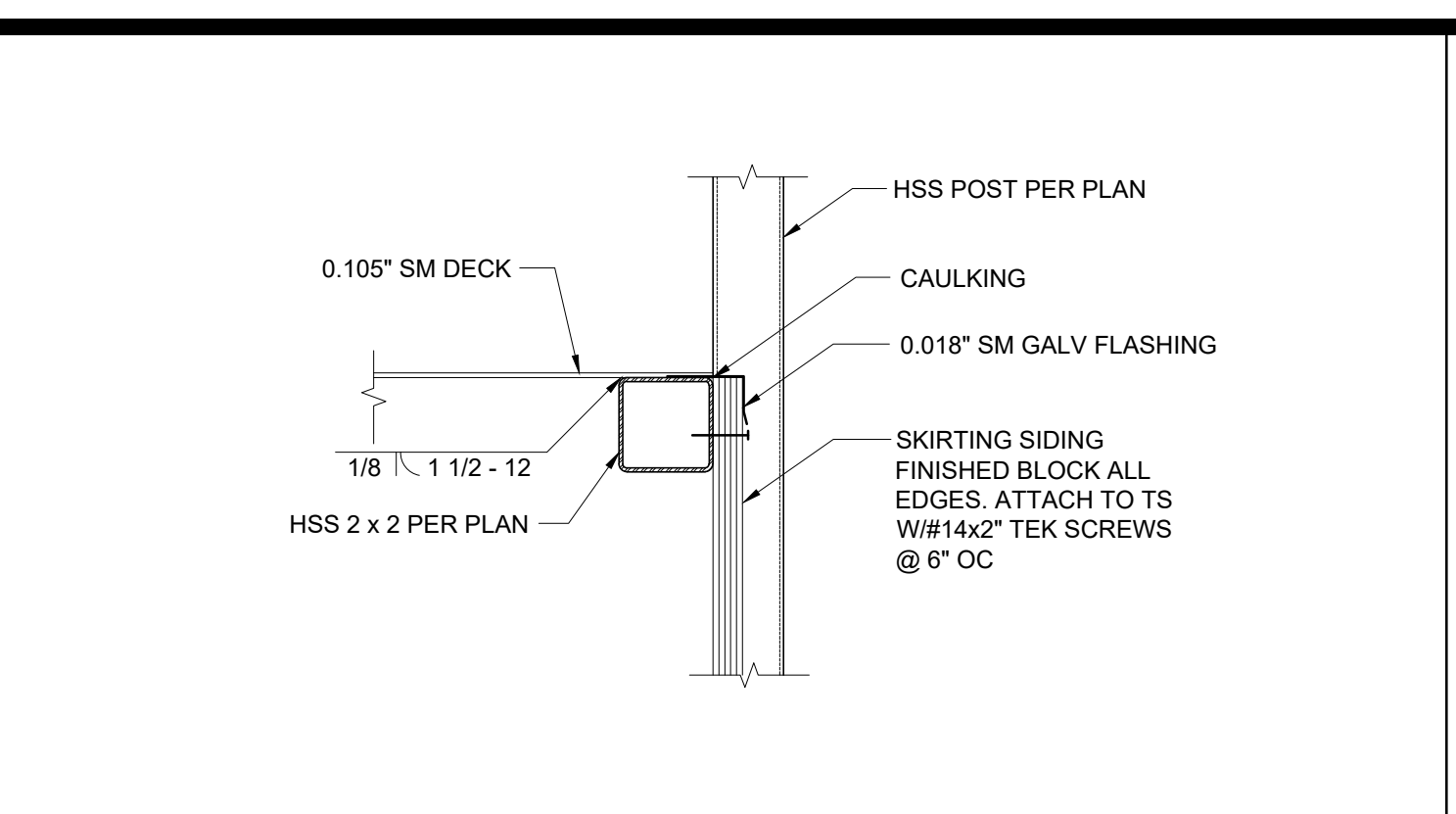
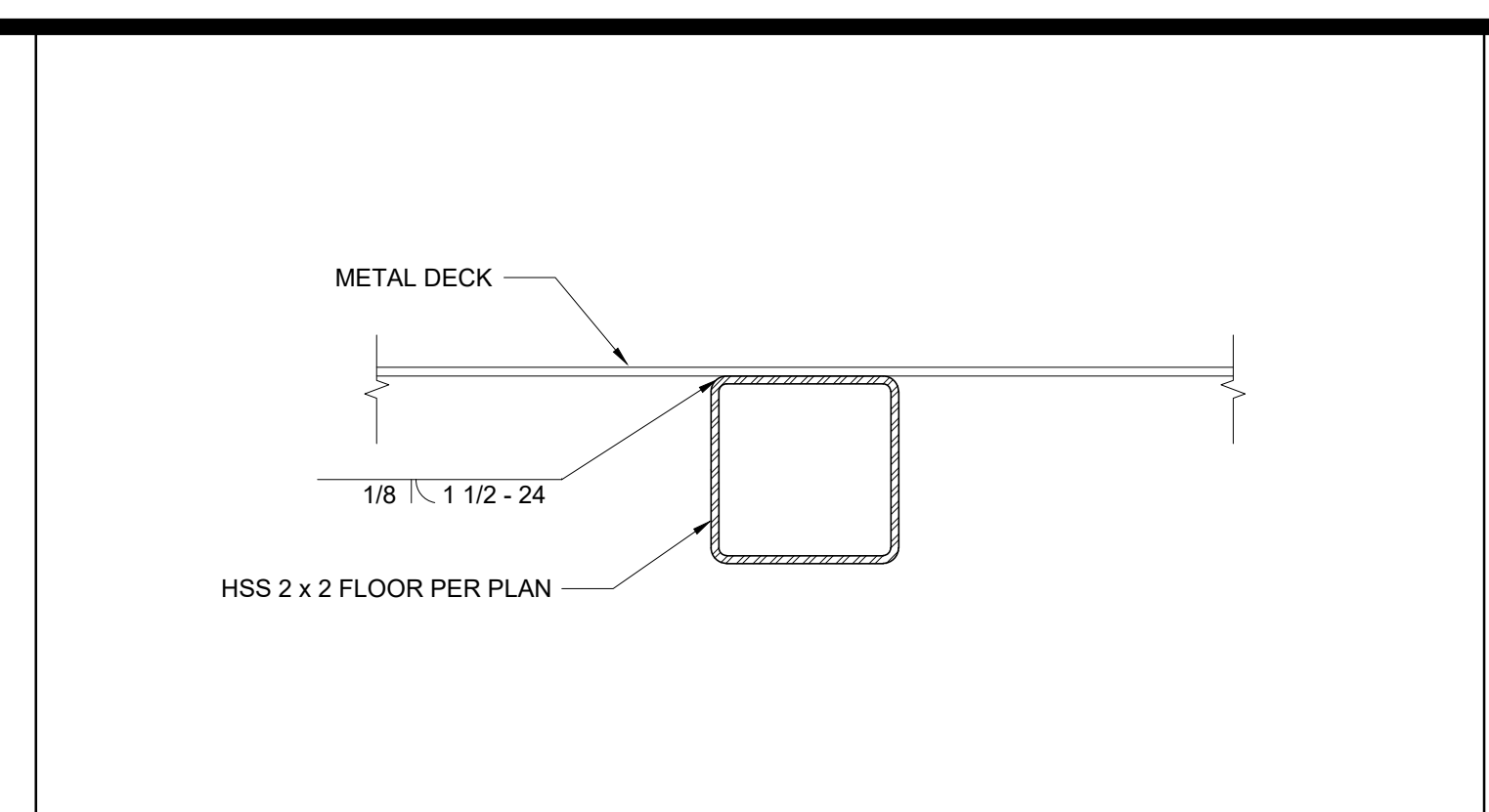
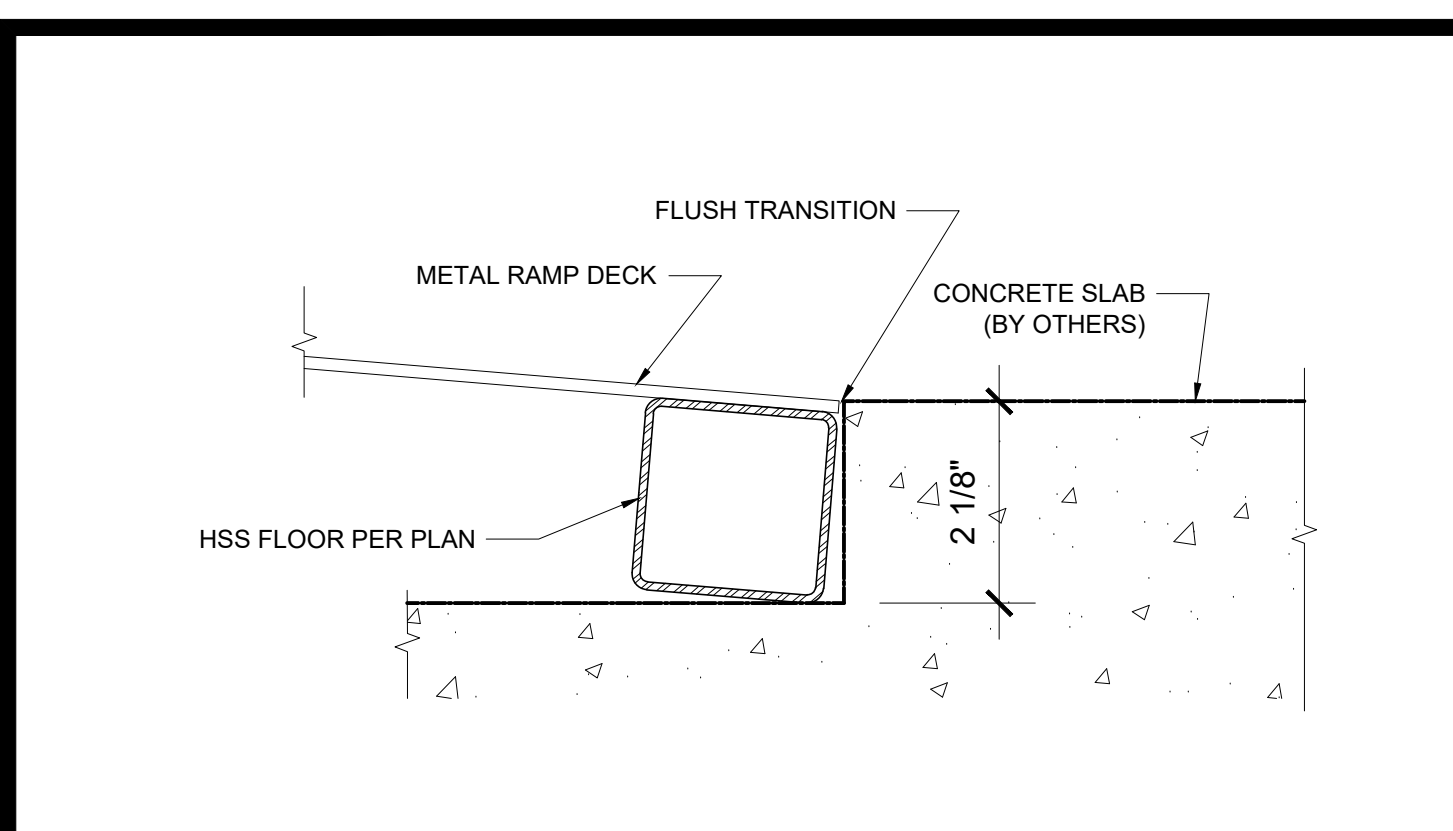
MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES  
 24' x 40' PC

PROJECT NO:  
 DRAWN BY:  
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**R-1.01**





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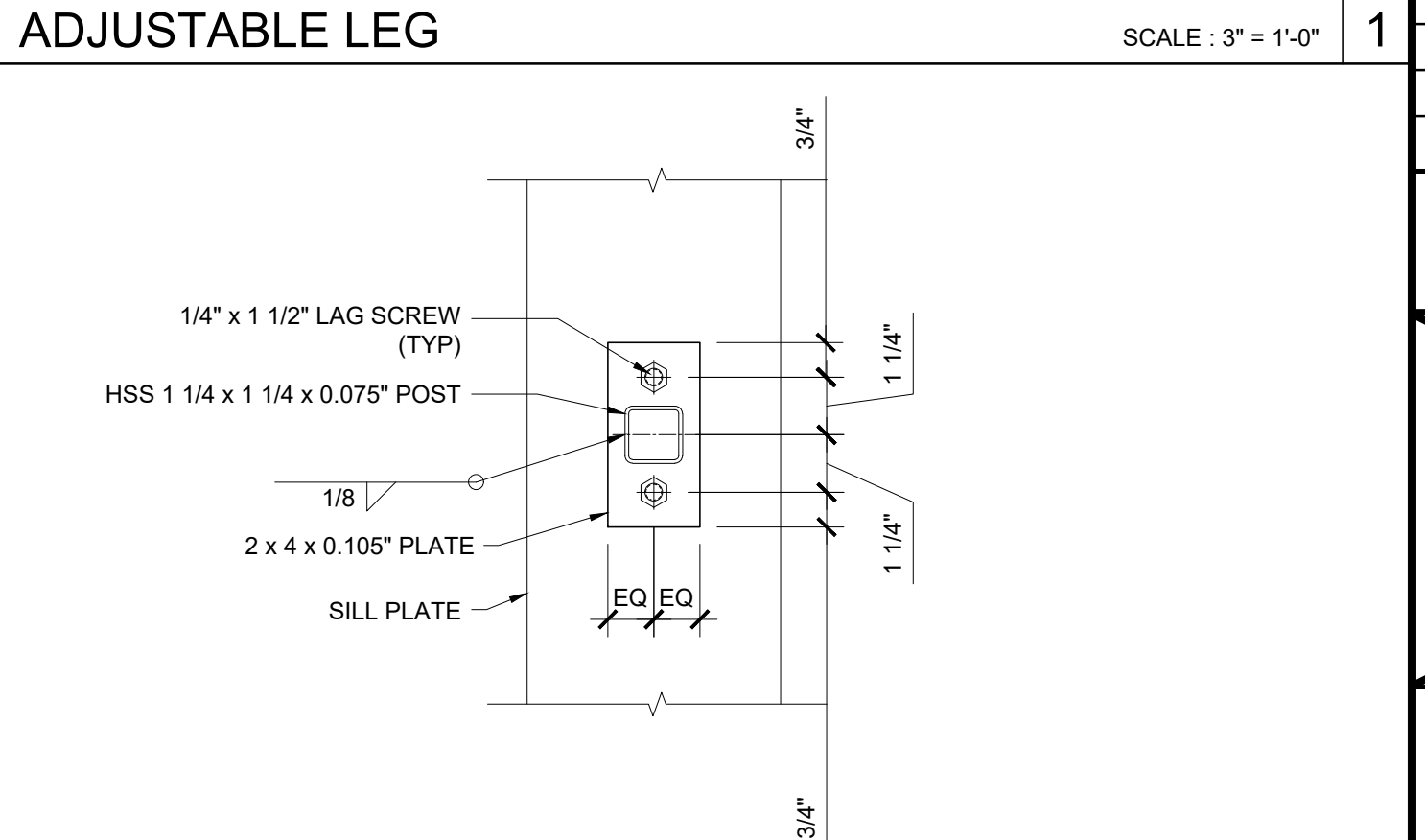
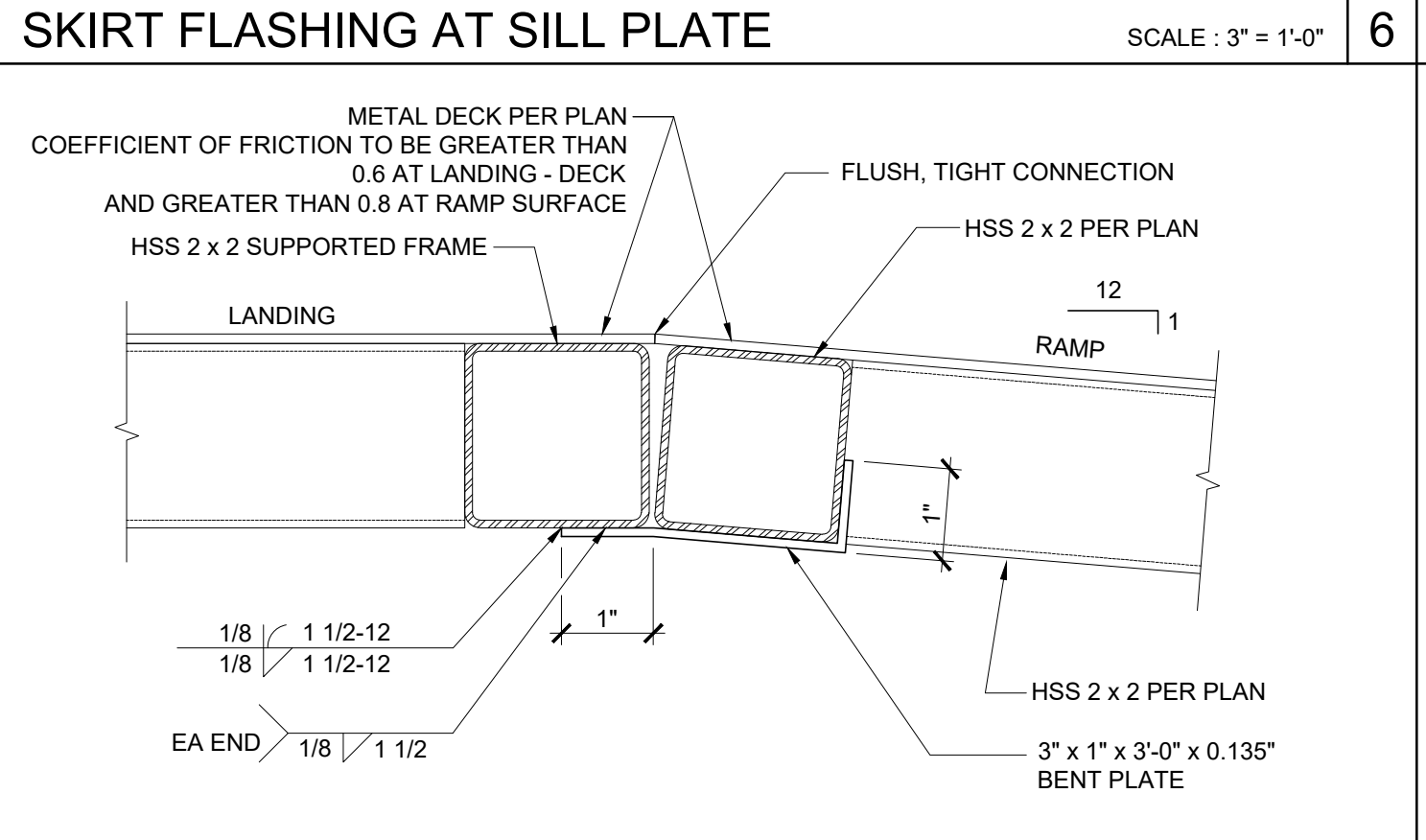
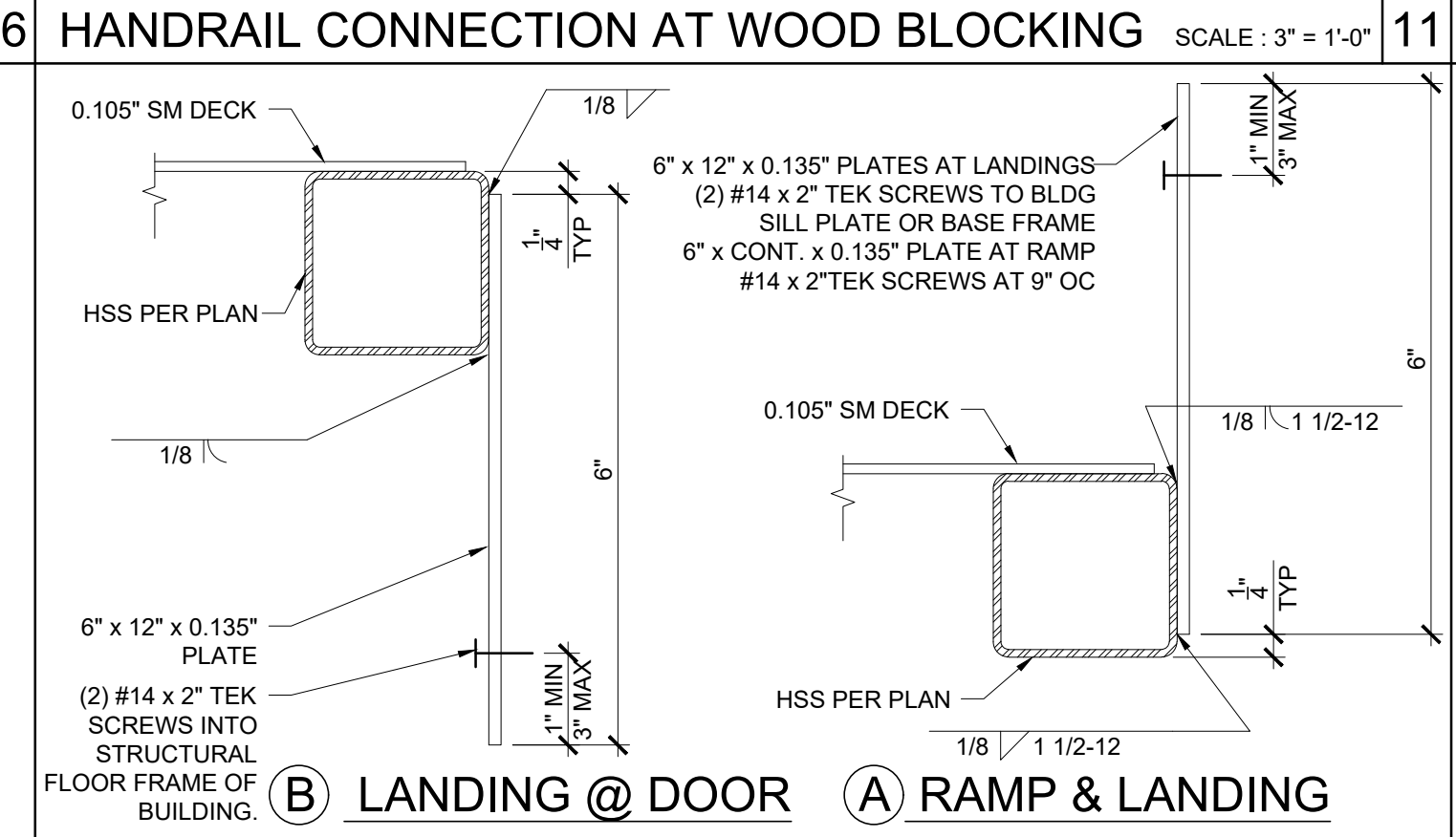
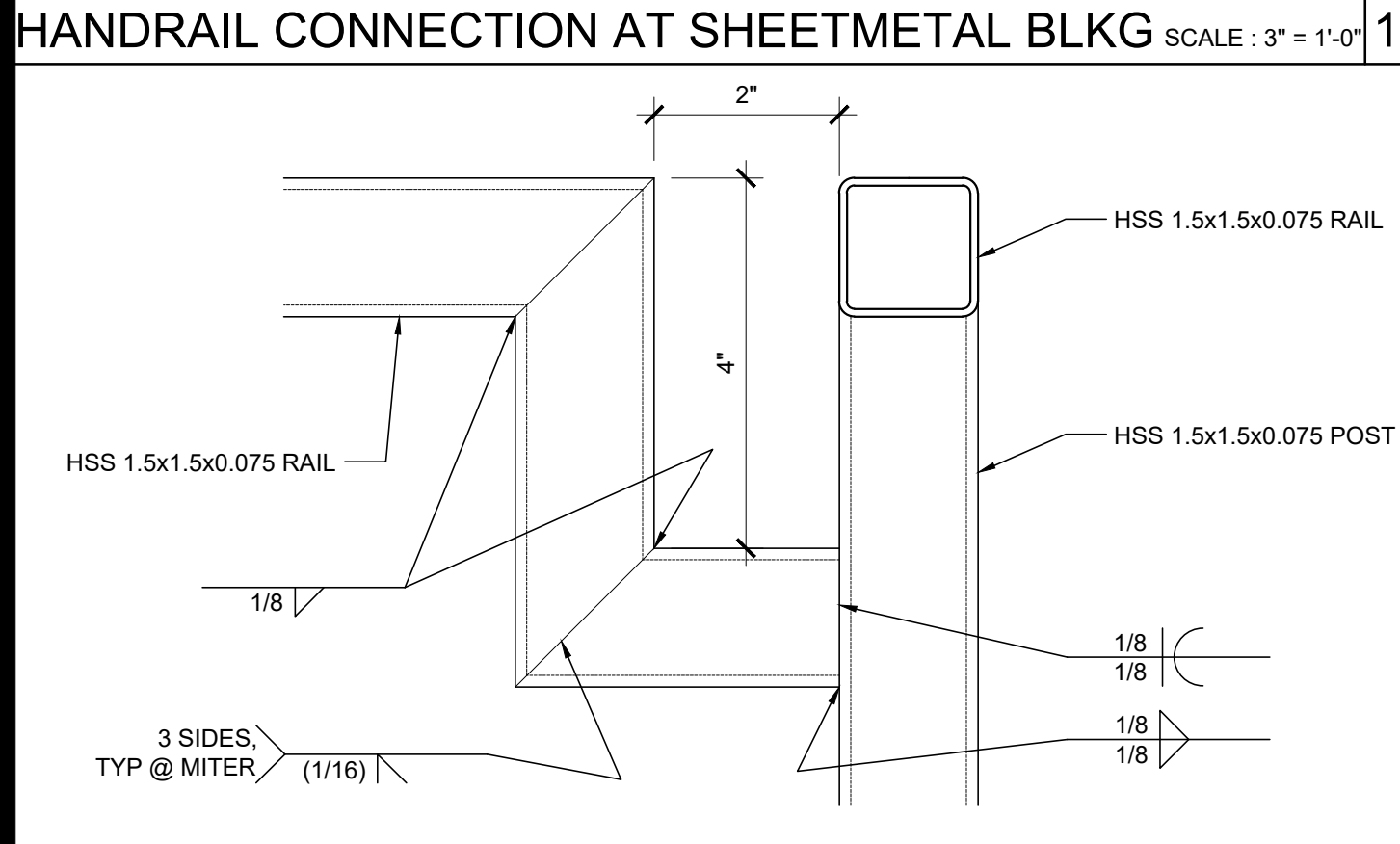
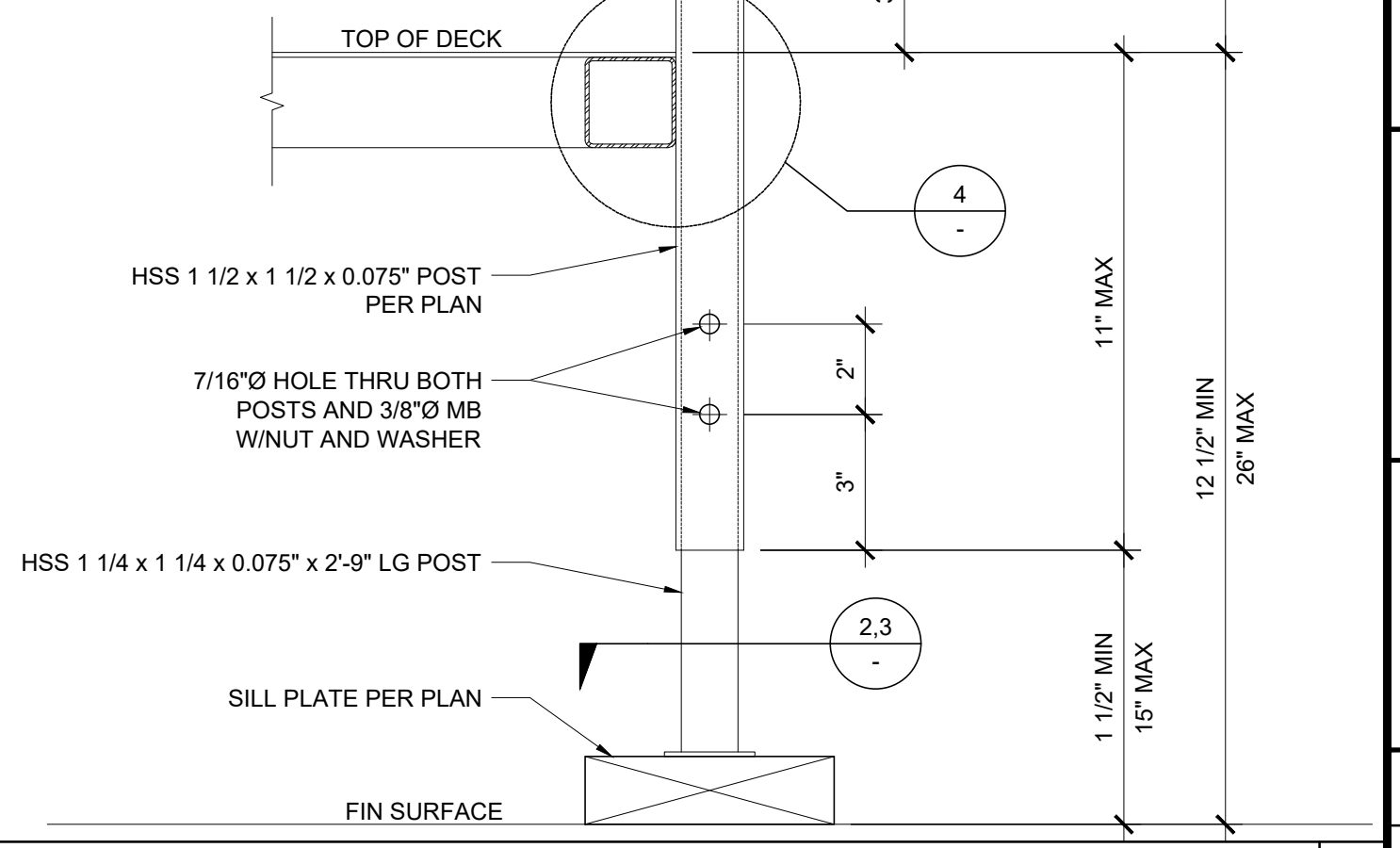
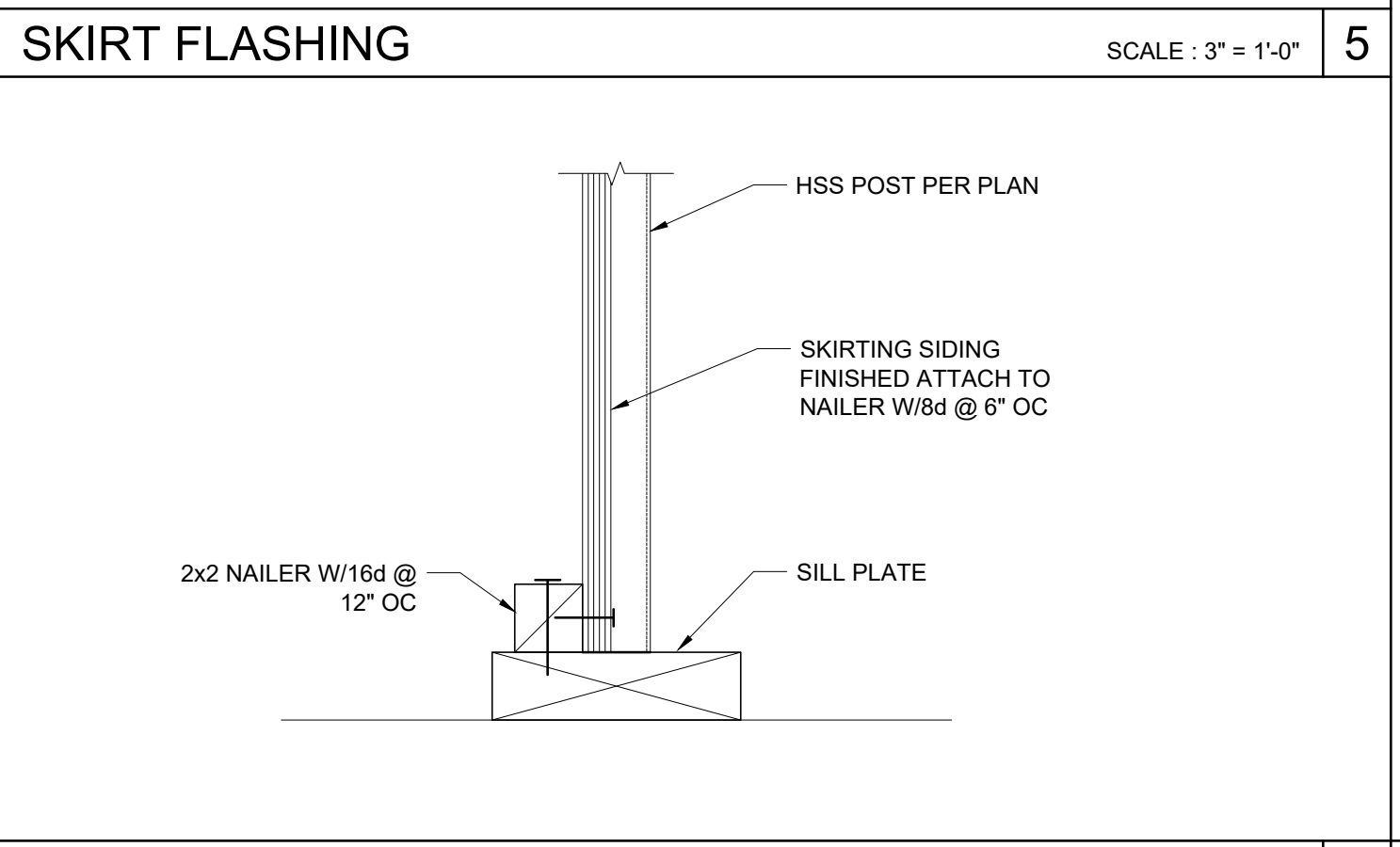
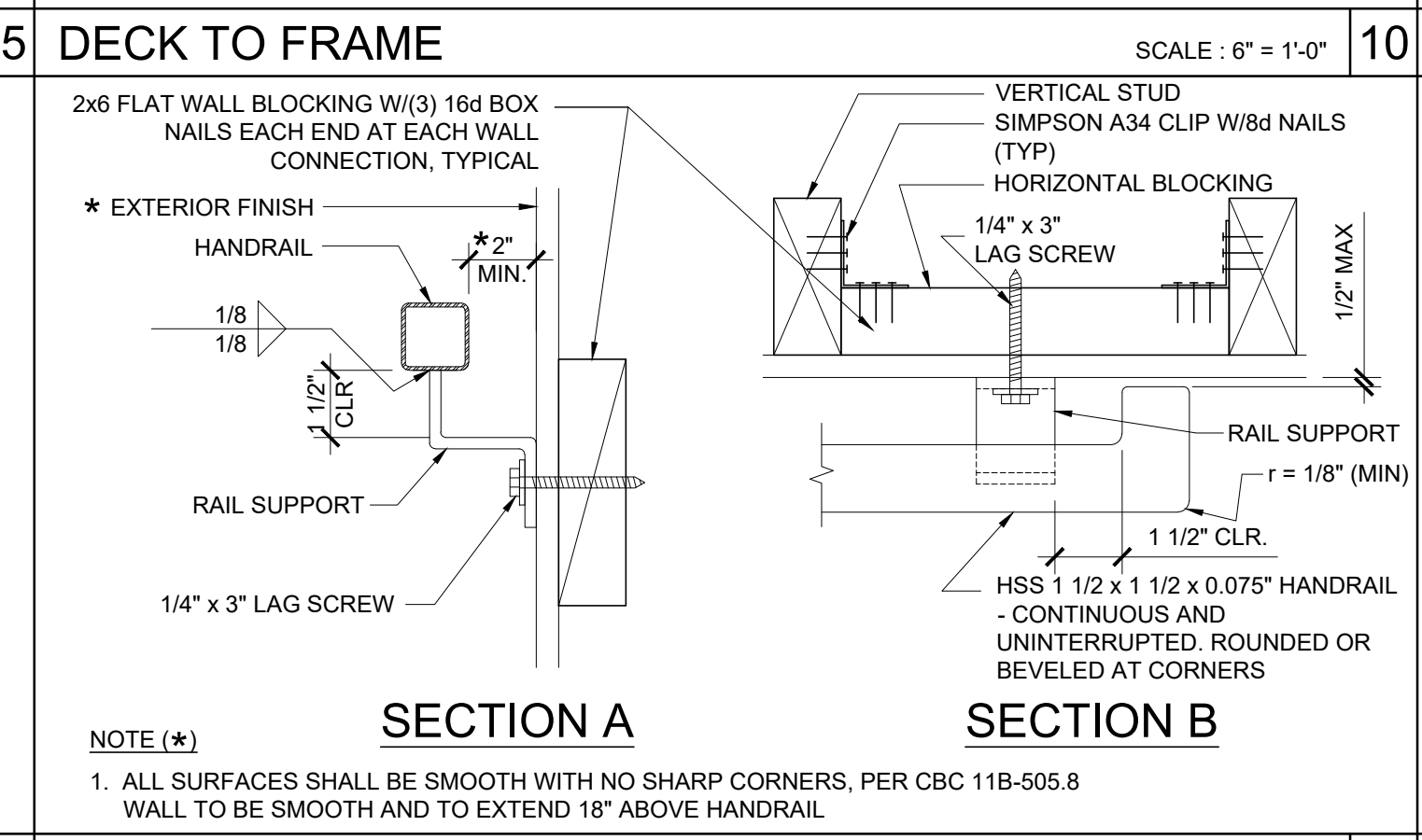
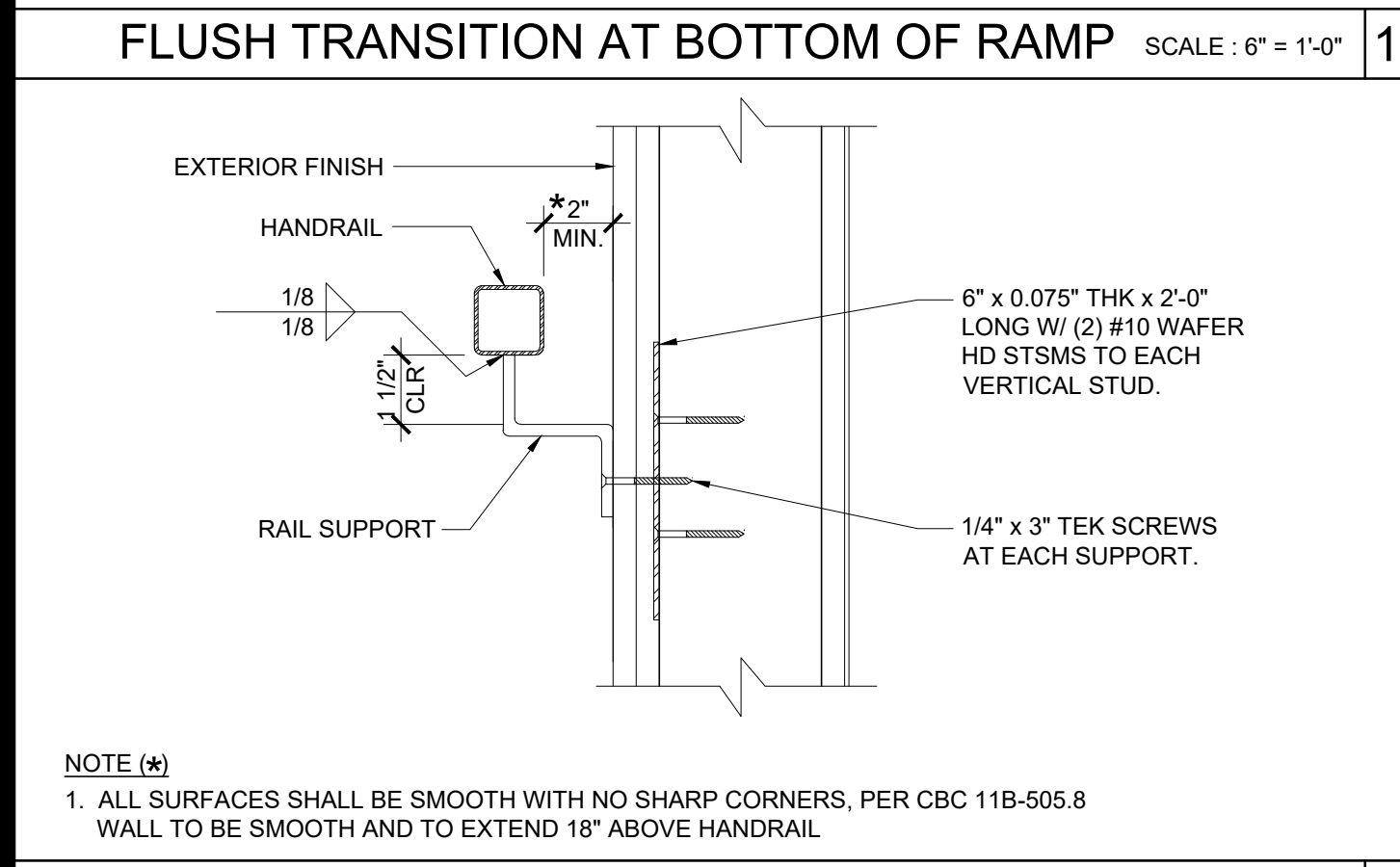
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PROJECT NAME:  
**SYLVAN USD  
SOMERSET M.S.  
(2) 24' x 40'  
CLASSROOM BUILDINGS**

SHEET TITLE:  
**RAMP DETAILS**

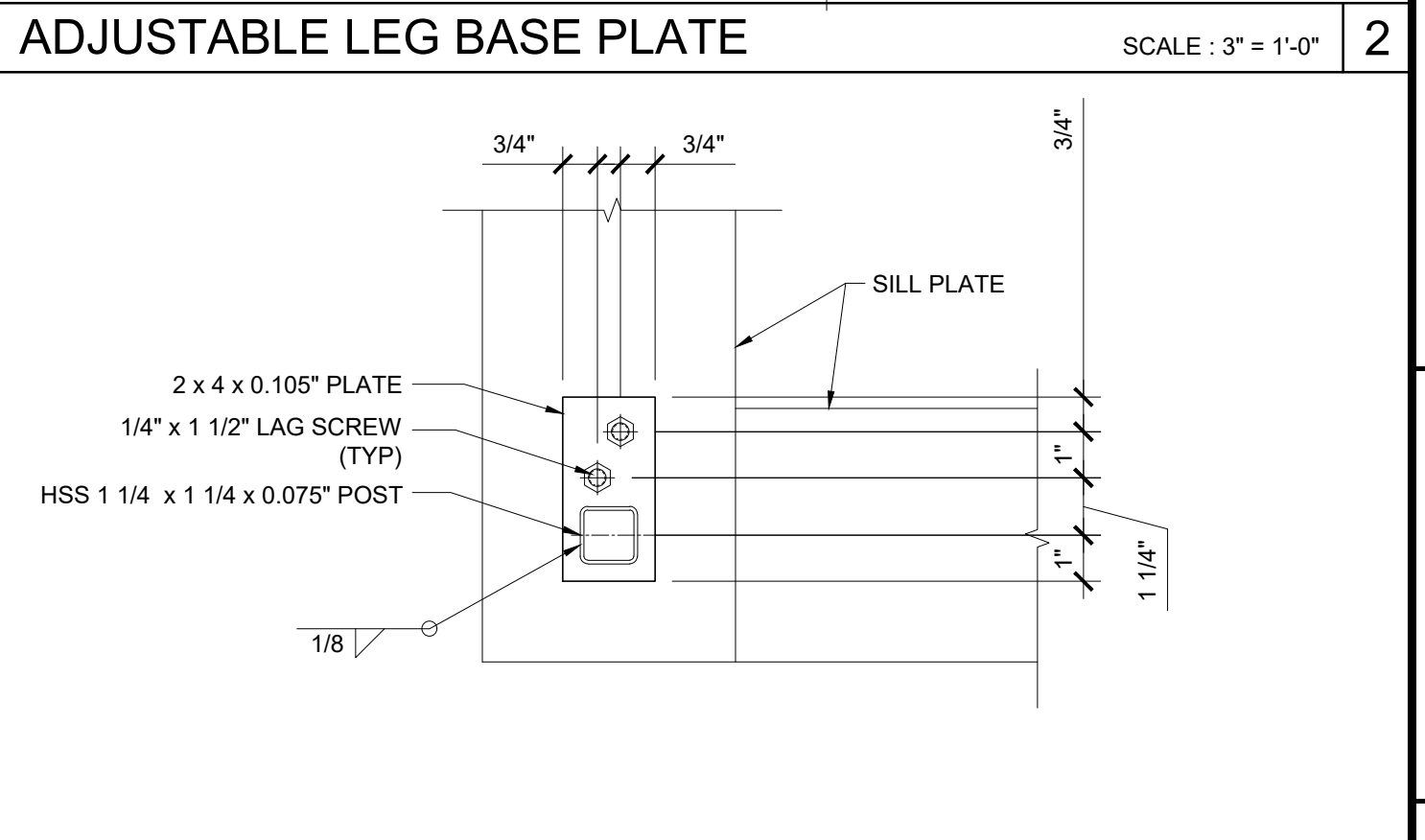
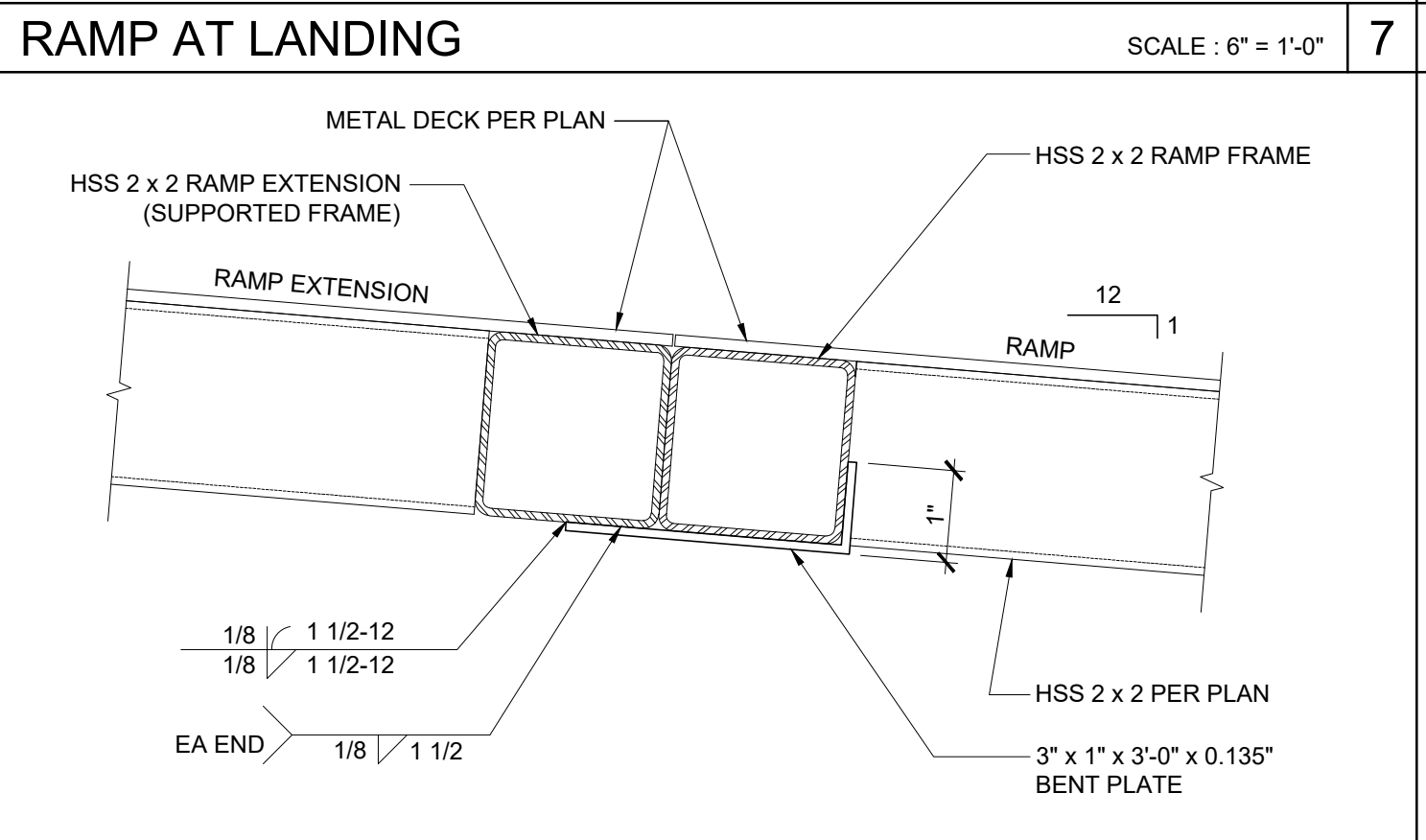
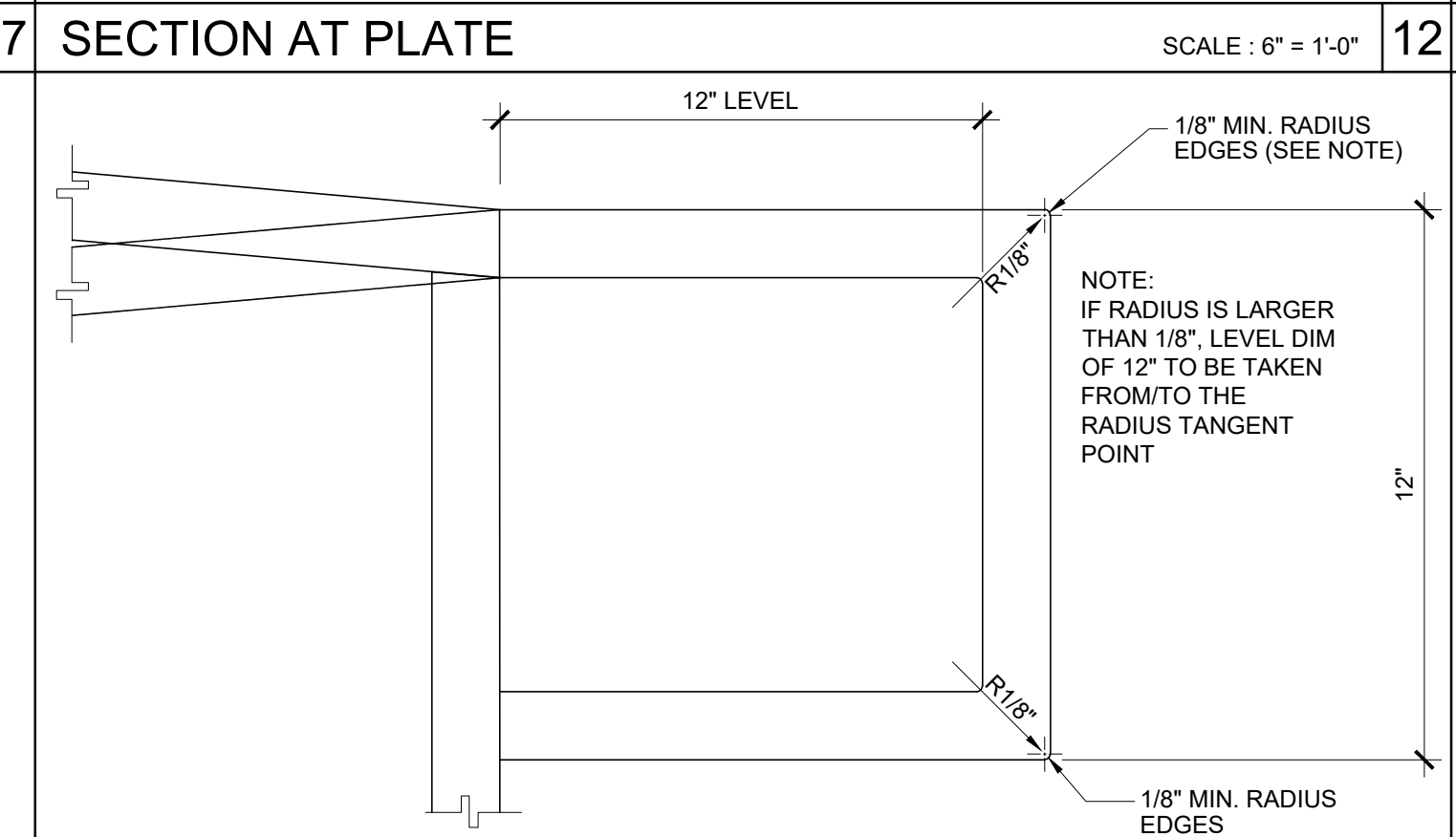
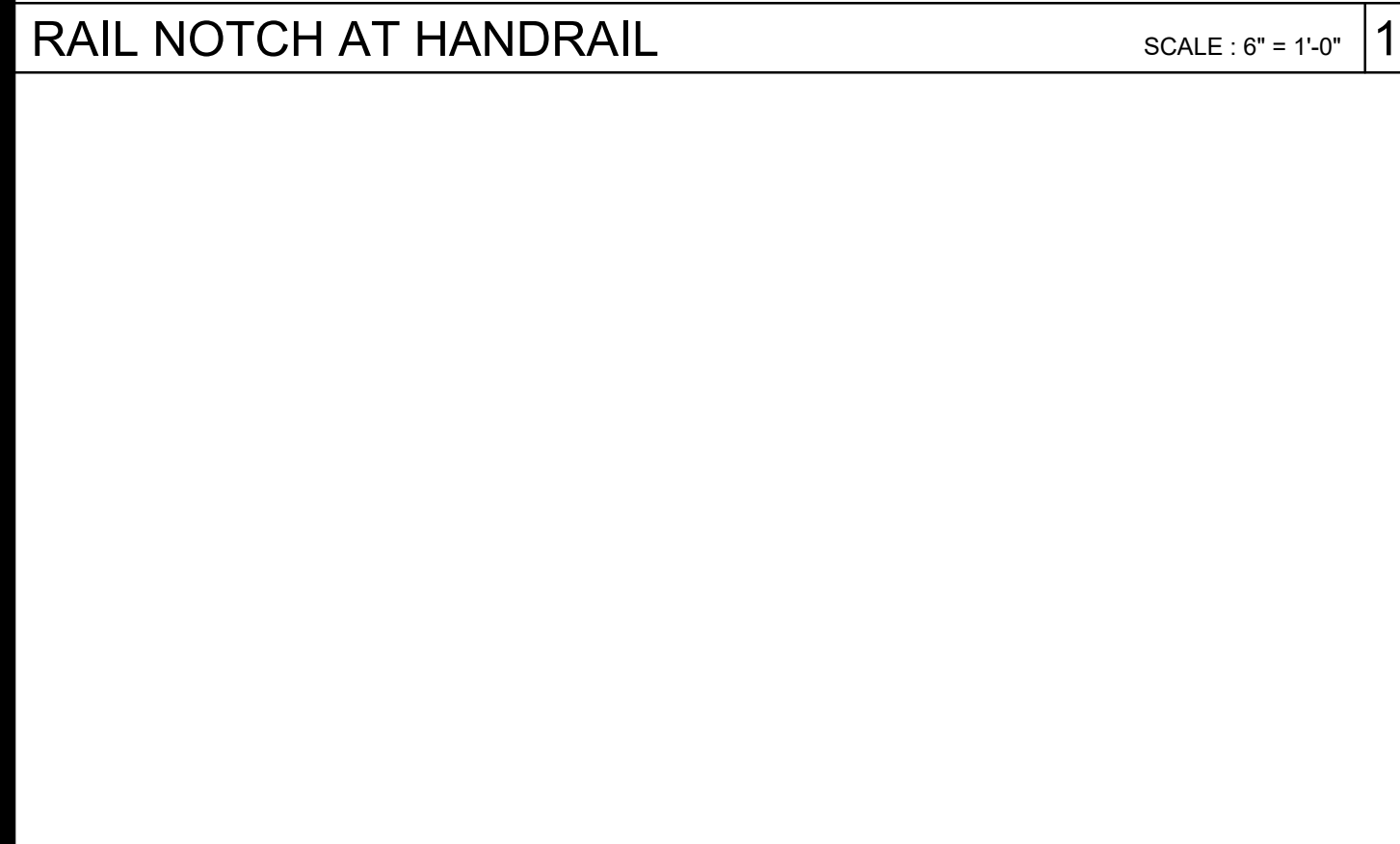
REVISIONS



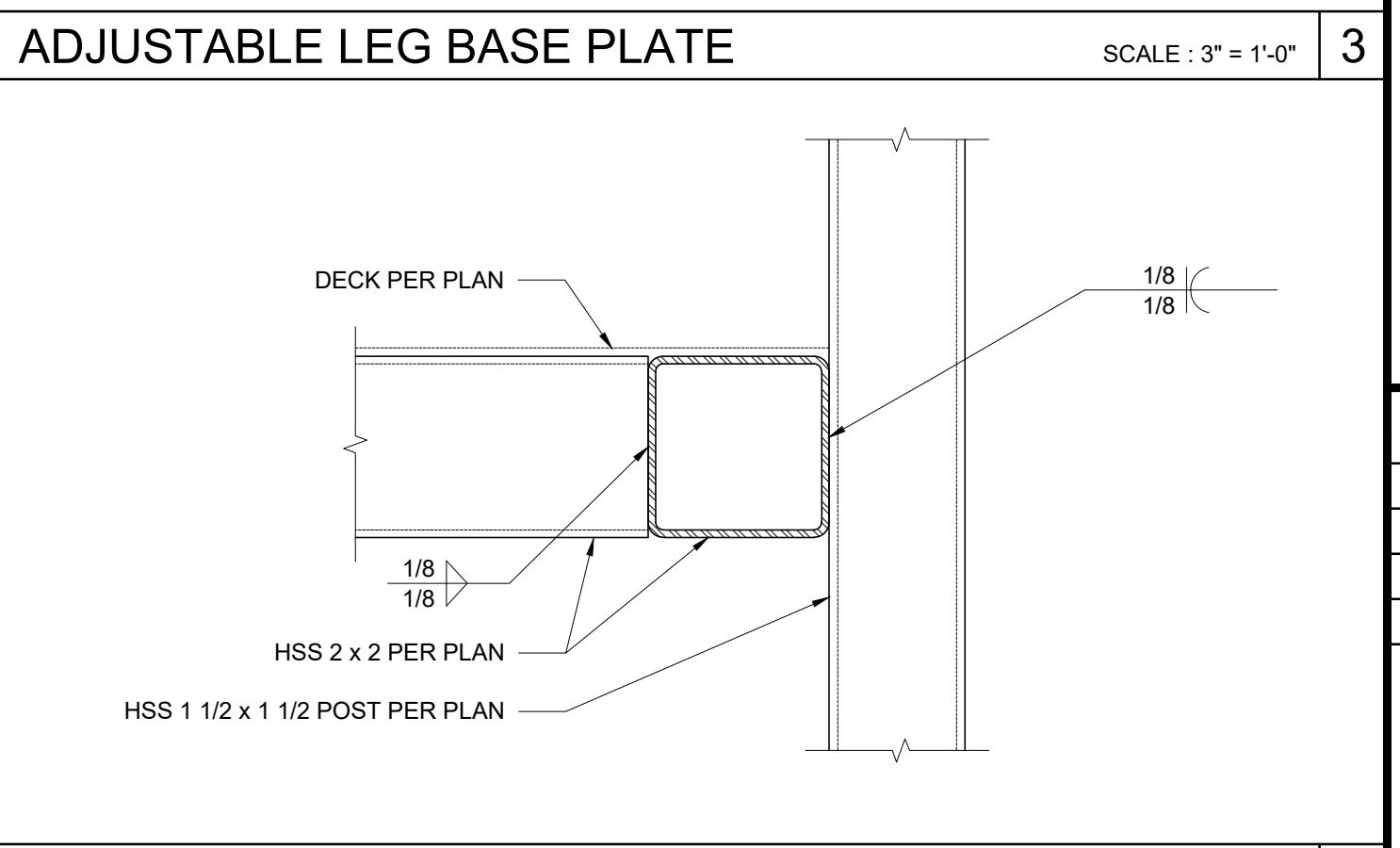
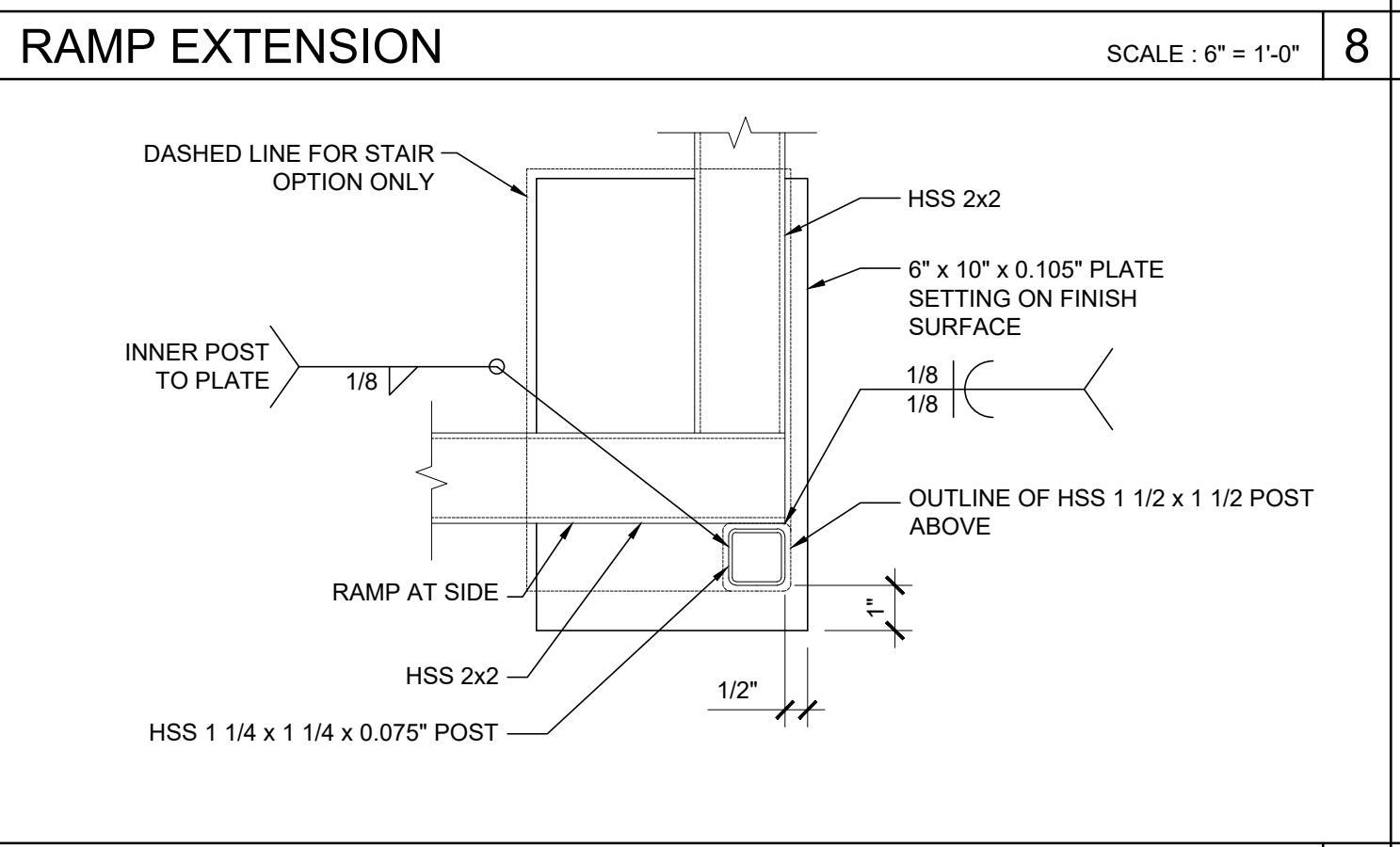
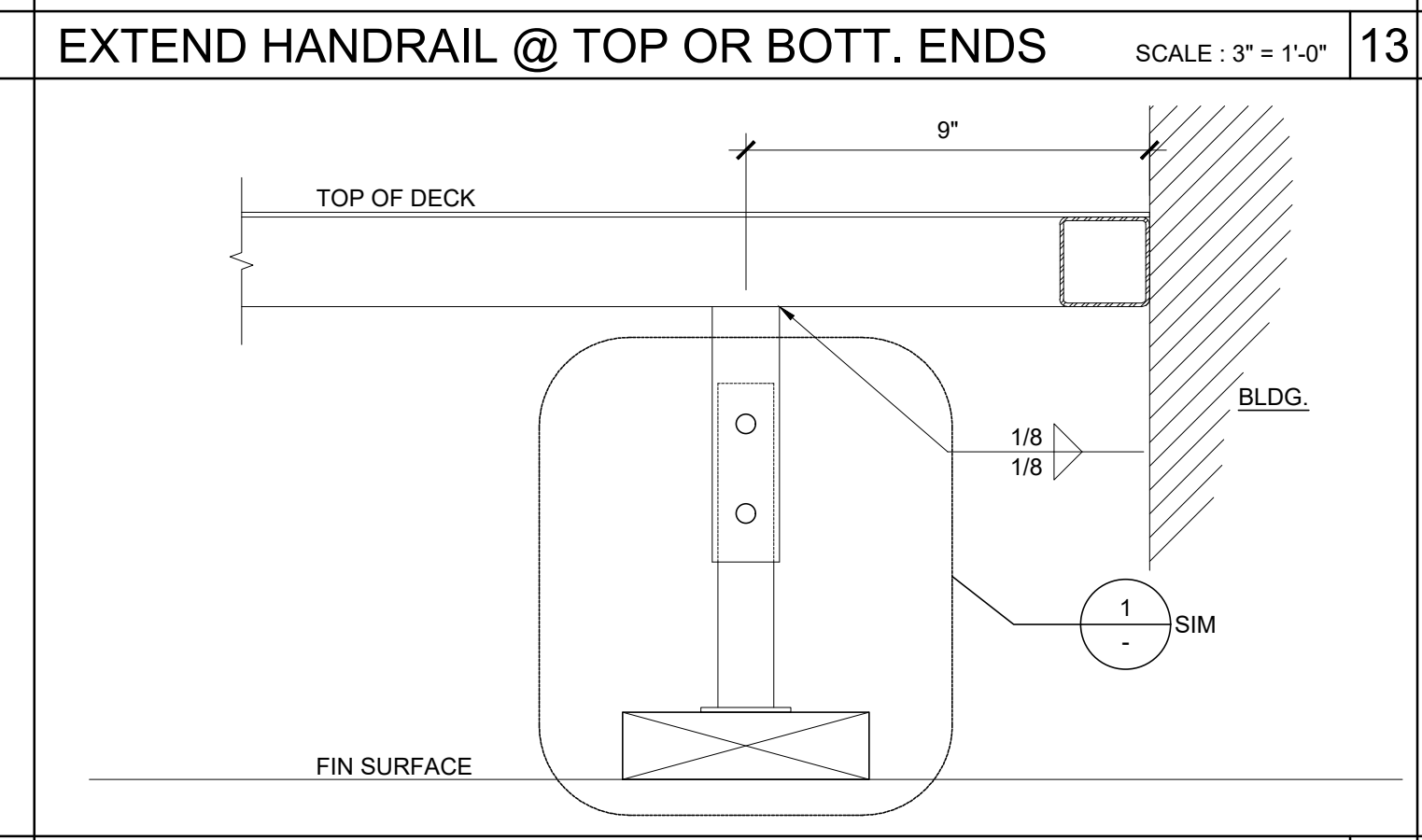
PRE-CHECK (PC) DOCUMENT  
CODE: 2022 CBC  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

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

REGISTERED PROFESSIONAL ENGINEER  
JOHN W. STARBUCK  
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

**R-2.01**