



Transmittal

837 N SPRING ST STE 300, LOS ANGELES, CA 90012-2377

PROJECT: RSD Janson ES New Relos and Playgrounds 161-23078 DATE: 3/9/2024

SUBJECT: RSD- Janson Relos- Drawings TRANSMITTAL ID: 00004

PURPOSE: For Your Comment or Use VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Mayra Ovalle Duranleau 837 N SPRING ST STE 300 LOS ANGELES CA 90012-2377 United States	NAC Architecture	MOvalle@nacarchitecture.com	(323) 475-8054

TO

NAME	COMPANY	EMAIL	PHONE
Melinda Pure		melinda@ehanda.com	

REMARKS: Good morning Melinda-

Please see attached the latest set of drawings for the Janson Relos.

Regards,
Mayra Ovalle Duranleau

P 323 475

8075

D 323 475

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DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	3/9/2024	DWG_V2.pdf	

COPIES:

Gary Christofi (NAC Architecture)

ROSEMEAD SCHOOL DISTRICT NEW RELOCATABLES AT: MILDRED B. JANSON ELEMENTARY SCHOOL 8628 MARSHALL ST. ROSEMEAD CA 91770

GENERAL NOTES

1. DO NOT SCALE THE CONSTRUCTION DOCUMENTS. DIMENSIONS SHALL TAKE PRECEDENCE OVER GRAPHIC SCALES SHOWN ON THE DRAWINGS. TYPICAL DETAILS & GENERAL NOTES ARE MINIMUM REQUIREMENTS TO BE USED WHEN CONDITIONS ARE NOT SHOWN OTHERWISE. IF ADDITIONAL DIMENSIONS ARE REQUIRED, CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING. WORK WITHIN THE AREA OF DISCREPANCY OR CONFLICT SHALL NOT PROCEED UNTIL GIVEN SUCH NOTICE BY THE ARCHITECT TO RESUME CONSTRUCTION.

2. SPECIFIC NOTES & DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES & TYPICAL DETAILS, WHERE NO DETAILS ARE SHOWN. CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON THE PROJECT.

3. THIS SHEET IS ONE OF A SET OF DOCUMENTS WHICH INCLUDES, BUT IS NOT LIMITED TO, DRAWINGS, SPECIFICATIONS & ADDENDA ADDRESSING ALL TRADES. FULLY COORDINATE ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND/OR MECHANICAL DRAWINGS, DETAILS & SPECIFICATIONS TO ASCERTAIN THE FULL SCOPE OF THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO FURNISH COMPLETE SET OF CONSTRUCTION DOCUMENTS TO ALL BIDDERS. ALL BIDDERS SHALL REVIEW THE FULL SET OF CONSTRUCTION DOCUMENTS PRIOR TO SUBMITTING BIDS FOR THE WORK. ANY INCONSISTENCIES OR CONFLICTING INFORMATION INCORPORATED INTO THE CONTRACT DOCUMENTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATIONS AND/OR ADJUSTMENTS BEFORE COMMENCING WORK.

4. WHERE APPLICABLE, REFER TO THE PROJECT SPECIFICATION MANUAL FOR INFORMATION NOT COVERED BY THESE GENERAL NOTES OR THE DRAWINGS. INFORMATION GIVEN IN ONE PORTION OF THE CONTRACT DOCUMENTS SHALL BE CONSIDERED TO BE GIVEN IN ALL CONTRACT DOCUMENTS.

5. THE DRAWINGS & SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE(S) OR MODIFICATION TO AN EXISTING STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION.

GENERAL:
CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, C.C.R.

ADDENDA:
CHANGES OR ALTERATIONS OF THE APPROVED PLANS OR SPECIFICATIONS PRIOR TO LETTING A CONSTRUCTION CONTRACT FOR THE WORK INVOLVED SHALL BE MADE BY MEANS OF ADDENDA WHICH SHALL BE SUBMITTED TO & APPROVED BY DSA PRIOR TO DISTRIBUTION TO CONTRACTORS. ORIGINAL COPIES OF ADDENDA SHALL BE STAMPED & SIGNED BY THE ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHARGE OF PREPARATION OF THE PLANS & SPECIFICATIONS & BY THE ARCHITECT OR REGISTERED ENGINEER DELEGATED RESPONSIBILITY FOR THE PORTION AFFECTED BY THE ADDENDA. (SEE SECTION 4-317(c)) ONE COPY OF EACH ADDENDUM IS REQUIRED FOR THE FILES OF DSA.

CONTRACT CHANGE DOCUMENT (CCD):
CHANGES OR ALTERATIONS OF THE APPROVED PLANS OR SPECIFICATIONS AFTER A CONTRACT FOR THE WORK HAS BEEN LET SHALL BE MADE ONLY BY MEANS OF CCD SUBMITTED TO & APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK SHOWN THEREON. CCDS SHALL STATE THE REASON OF THE CHANGE & THE SCOPE OF WORK TO BE ACCOMPLISHED, & WHERE NECESSARY, SHALL BE ACCOMPANIED BY SUPPLEMENTARY DRAWINGS REFERENCED IN THE TEXT OF THE CCD. ALL CCDS & SUPPLEMENTARY DRAWINGS SHALL BE STAMPED & SIGNED BY THE ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHARGE OF OBSERVATION OF THE WORK OF CONSTRUCTION OF THE PROJECT & BY THE ARCHITECT OR REGISTERED ENGINEER DELEGATED RESPONSIBILITY FOR OBSERVATION OF THE PORTION OF THE WORK OF CONSTRUCTION AFFECTED BY THE CCD. SHALL BEAR THE APPROVAL OF THE DISTRICT & SHALL INDICATE THE ASSOCIATED CHANGE IN THE PROJECT COST, IF ANY. ONE COPY OF EACH CCD IS REQUIRED FOR THE FILES OF DSA.

VOIDANCE OF APPLICATION:
ANY CHANGE, ERASURE, ALTERATION, OR MODIFICATION OF ANY PLANS OR SPECIFICATIONS BEARING THE STAMP OF DSA MAY RESULT IN VOIDANCE OF THE APPROVAL OF THE APPLICATION. HOWEVER, THE WRITTEN APPROVAL OF PLANS MAY BE EXTENDED BY DSA TO INCLUDE REVISED PLANS & SPECIFICATIONS AFTER DOCUMENTS ARE SUBMITTED FOR REVIEW & APPROVED. (SEE SECTION 4-330 FOR REVISED PLANS & SECTION 4-338 FOR ADDENDA & CHANGE ORDERS).

PERFORMANCE OF THE WORK:
THE CONTRACTOR SHALL CAREFULLY STUDY THE APPROVED PLANS & SPECIFICATIONS & SHALL PLAN A SCHEDULE OF OPERATIONS WELL AHEAD OF TIME. IF AT ANY TIME IT IS DISCOVERED THAT WORK IS BEING DONE WHICH IS NOT IN ACCORDANCE WITH THE APPROVED PLANS & SPECIFICATIONS, THE CONTRACTOR SHALL CORRECT THE WORK IMMEDIATELY. ALL INCONSISTENCIES OR ITEMS WHICH APPEAR IN ERROR IN THE PLANS SHALL BE PROMPTLY CALLED TO THE ATTENTION OF THE ARCHITECT. THE ARCHITECT, OR HIS REGISTERED ENGINEER, THROUGH THE INSPECTOR, FOR INTERPRETATION OR CORRECTION, IN NO CASE, HOWEVER, SHALL THE INSTRUCTION OF THE ARCHITECT OR REGISTERED ENGINEER BE CONSTRUED TO CAUSE WORK TO BE DONE WHICH IS NOT IN CONFORMITY WITH THE APPROVED PLANS, SPECIFICATIONS, AND CHANGE ORDERS. THE CONTRACTOR MUST NOTIFY THE PROJECT INSPECTOR, IN ADVANCE, OF THE COMMENCEMENT OF CONSTRUCTION OF EACH AND EVERY ASPECT OF THE WORK. SUBSTITUTIONS SHALL BE CONSIDERED AS A CHANGE ORDER.

6. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS & SITE CONDITIONS BEFORE STARTING WORK. DIMENSIONS ARE NOT ADJUSTABLE WITHOUT THE REVIEW & CLARIFICATION OF THE ARCHITECT UNLESS NOTED AS (+/-) PLUS/MINUS OR (FIELD) VERIFY. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCY BEFORE PROCEEDING WITH WORK.

7. ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS REPRESENTING THE BEST INFORMATION CURRENTLY AVAILABLE. BUT WITHOUT GUARANTEE OF ACCURACY. THE CONTRACTOR & SUBCONTRACTOR SHALL CAREFULLY EXAMINE THE SITE, COMPARE THE CONSTRUCTION DOCUMENTS WITH THE EXISTING CONDITIONS, BE RESPONSIBLE FOR ACCURACY OF ALL DIMENSIONS & THOROUGHLY FAMILIARIZE THEMSELVES WITH THE SCOPE OF WORK, BY THE ACT OF SUBMITTING A BID. THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH AN EXAMINATION, HAVE ACCEPTED THE CONDITIONS & HAVE INCLUDED ALL RELATED SITE BUILDING(S) CONDITION COST IN HISHER BID.

8. NO PART OF THESE CONSTRUCTION DOCUMENTS SHALL BE CONSIDERED AS REQUIRING OR PERMITTING ANY WORK CONTRARY TO THE REQUIREMENTS OF ANY CODE REGULATION OR ORDINANCE WHICH HAS JURISDICTION OVER THE WORK.

9. ALL SYMBOLS & ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TO BE CONSTRUCTION STANDARDS ABBREVIATION OR SYMBOLS. IF THE CONTRACTOR HAS A QUESTION REGARDING THE SAME OR THEIR EXACT MEANING, THE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION.

10. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE(S) DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE TEMPORARY BRACES, SHORES & GUYS REQUIRED TO SUPPORT ALL LOADS TO WHICH THE BUILDING STRUCTURE & COMPONENTS, ADJACENT SOILS OR STRUCTURES, UTILITIES & RIGHT-OF-WAYS MAY BE SUBJECTED DURING CONSTRUCTION.

11. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICE, THE CONTRACTOR SHALL ASSUME SOLE & COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF PERSONS & PROPERTY ACCORDING TO THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) & CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (COSH). THIS OBLIGATION SHALL BE CONTINUOUS & NOT LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL INDEMNIFY & HOLD DESIGN PROFESSIONALS, INSPECTORS, ET AL., HARMLESS FROM ANY & ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THE PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN, FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THIS CODE AND THE APPLICABLE PROVISIONS OF CHAPTER 30 OF CFC.

12. THE DESIGN TEAM SHALL NOT HAVE CONTROL OR CHARGE OF & SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS & PROGRAMS IN CONNECTION WITH THE WORK. THE ACTS OR OMISSIONS OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, APPLICABLE CODES AND STANDARDS.

13. CONTRACTOR SHALL PROVIDE CONSTRUCTION BARRICADES OR PROTECTIVE DEVICES OF SUFFICIENT HEIGHT & MAGNITUDE AS TO PREVENT ANY PERSONS OF ANY AGE FROM ACCIDENTALLY ENTERING THE WORK AREA. PROVIDE TEMPORARY PASSAGEWAYS AS REQUIRED. YELLOW TAPE BARRICADES SHALL NOT BE ALLOWED AT THESE SITES.

14. DELIVERY OF MATERIALS TO THE CONSTRUCTION ZONE & REMOVAL OF WASTE FROM THE SITE SHALL BE COORDINATED WITH THE DISTRICT FOR AN ACCEPTABLE ACCESS ROUTE & SCHEDULE. USE OF THE AREA OUTSIDE THE CONSTRUCTION ZONE SHALL NOT BE ALLOWED UNDER ANY CIRCUMSTANCES WITHOUT CLEARANCE FROM THE SCHOOL DISTRICT OR THE OWNER'S AUTHORIZED REPRESENTATIVE.

15. CONTRACTOR SHALL INVESTIGATE THE SITE DURING CLEARING & EARTHWORK OPERATIONS, AS MAY BE REQUIRED BY THE SCOPE OF THE WORK, FOR FILLED EXCAVATIONS OR BURIED STRUCTURES, SYSTEMS, UTILITIES OR FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY.

16. DEMOLITION OF EXISTING BUILDINGS, WORK SHALL NOT BE PERFORMED IN AREA CONTAMINATED BY MATERIALS MADE OF ASBESTOS &/OR LEAD UNTIL THE ASBESTOS AND/OR LEAD MATERIALS HAVE BEEN REMOVED OR ENCAPSULATED BY THE CONTRACTOR. IF ASBESTOS OR LEAD IS FOUND IN AN AREA, NO EXCAVATION SHALL BE GIVEN PER SPECIFICATIONS.

17. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE SHOP DRAWINGS, PRODUCT LITERATURE, PRODUCT SAMPLES, ETC. ARE SUBMITTED TO THE ARCHITECT IN A TIMELY MANNER SO AS NOT TO IMPACT THE CONSTRUCTION SCHEDULE.

18. ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO PREVENT MOLECULAR BREAKDOWN.

19. CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS BEFORE PERFORMING THE WORK SHOWN ON THE CONSULTING ENGINEER'S DRAWINGS. DISCREPANCIES BETWEEN THE ARCHITECTURAL & CONSULTING ENGINEER'S DRAWINGS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION & DIRECTION. CONSTRUCTION INSTALLED IN CONFLICT WITH THE CONSTRUCTION DOCUMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT NO EXPENSE TO THE DISTRICT.

20. INSTALL ALL EQUIPMENT COMPLETELY AS REQUIRED AND/OR AS RECOMMENDED BY THE MANUFACTURER, INCLUDING ALL NECESSARY UTILITY CONNECTIONS, TO MAKE THE EQUIPMENT FULLY OPERATIONAL.

21. TRADE NAMES & MANUFACTURERS REFERRED TO ARE FOR QUALITY STANDARDS ONLY. SUBSTITUTION WILL BE PERMITTED AS APPROVED BY THE SCHOOL DISTRICT OR ARCHITECT OR RECORD. CONTRACTOR SHALL STIPULATE THAT ALL PROPOSED SUBSTITUTIONS ARE EQUAL IN PERFORMANCE & COMPLY WITH THE APPLICABLE CODES & REGULATIONS. SUBSTITUTIONS OF ALTERNATE MATERIALS OR SYSTEMS SHALL BE AT NO ADDITIONAL COST TO THE DISTRICT.

22. ALL INSPECTION & TESTING SHALL CONFORM TO THE REQUIREMENTS OF PART 1 & 2, TITLE 24, C.C.R.

23. GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE COORDINATION OF THE VARIOUS TRADES PERFORMING THE WORK. CONTRACTOR SHALL SUBMIT FOR REVIEW A COMPLETE COORDINATION SCHEDULE ILLUSTRATING THE EXTENT & THE POSITION OF EACH SCOPE OF WORK TO AVOID CONFLICT & TO MAINTAIN REQUIRED CLEARANCES.

24. THE DISTRICT MUST PROVIDE FOR & REQUIRE COMPETENT, ADEQUATE & CONTINUOUS INSPECTION BY AN INSPECTOR SATISFACTORY TO THE ARCHITECT OR REGISTERED ENGINEER IN GENERAL RESPONSIBLE CHARGE OF OBSERVATION OF THE WORK OF CONSTRUCTION, TO ANY ARCHITECT OR REGISTERED ENGINEER DELEGATED RESPONSIBILITY FOR A PORTION OF THE WORK & TO DSA. THE COST OF THE PROJECT INSPECTION SHALL BE PAID FOR BY THE DISTRICT. AN INSPECTOR SHALL NOT HAVE ANY CURRENT EMPLOYMENT WITH ANY ENTITY THAT IS A CONTRACTING PARTY FOR THE CONSTRUCTION. AN APPROVED PROJECT INSPECTOR MAY BE REMOVED & REPLACED IF THE WORK PERFORMANCE IS NOT IN CONFORMANCE WITH ACCEPTED INSPECTION STANDARDS AS DETERMINED BY THE DISTRICT. THE PROJECT ARCHITECT & ENGINEER WITH CONCURRENT OF DSA, THE INSPECTOR SHALL HAVE PERSONAL KNOWLEDGE AS DEFINED IN SECTIONS 17309 & 81141 OF THE EDUCATION CODE. ALL WORK DONE ON THE PROJECT OR ITS PARTS OR ITS PARTS OF TITLE 24, C.C.R. OF TITLE 24, NO WORK SHALL BE CARRIED ON CONCURRENT UNDER THE INSPECTION OF A PROJECT INSPECTOR APPROVED BY DSA. THE EMPLOYMENT OF SPECIAL OR ASSISTANT INSPECTORS SHALL NOT BE CONSTRUED AS RELIEVING THE PROJECT INSPECTOR OF HISHER DUTIES & RESPONSIBILITIES UNDER SECTION 17309 & 81141 OF THE EDUCATION CODE AND SECTIONS 4-338 & 4-342 OF TITLE 24, C.C.R. A PROJECT INSPECTOR SHALL, UNDER THE DIRECTION OF THE ARCHITECT AND/OR ENGINEER, BE RESPONSIBLE FOR MONITORING THE WORK OF THE STUDENTS AND TESTING LABORATORIES TO ENSURE THAT THE TESTING PROGRAM IS SATISFACTORILY COMPLETED. THE PROJECT INSPECTOR AND ANY ASSISTANT INSPECTOR MUST BE APPROVED BY DSA.

25. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, C.C.R. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON COMPLYING CONSTRUCTION BE DISCOVERED BY THE CONTRACT DOCUMENTS WHEREIN 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.

26. CUTTING, BORING SAWCUTTING OR DRILLING THROUGH THE EXISTING OR NEW STRUCTURAL ELEMENTS IS NOT TO BE STARTED UNTIL THE DETAILS HAVE BEEN REVIEWED & APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER & THE DSA FIELD ENGINEER. IF DETAILS DO NOT SHOW OR CONFORM TO THE APPROVED DRAWINGS.

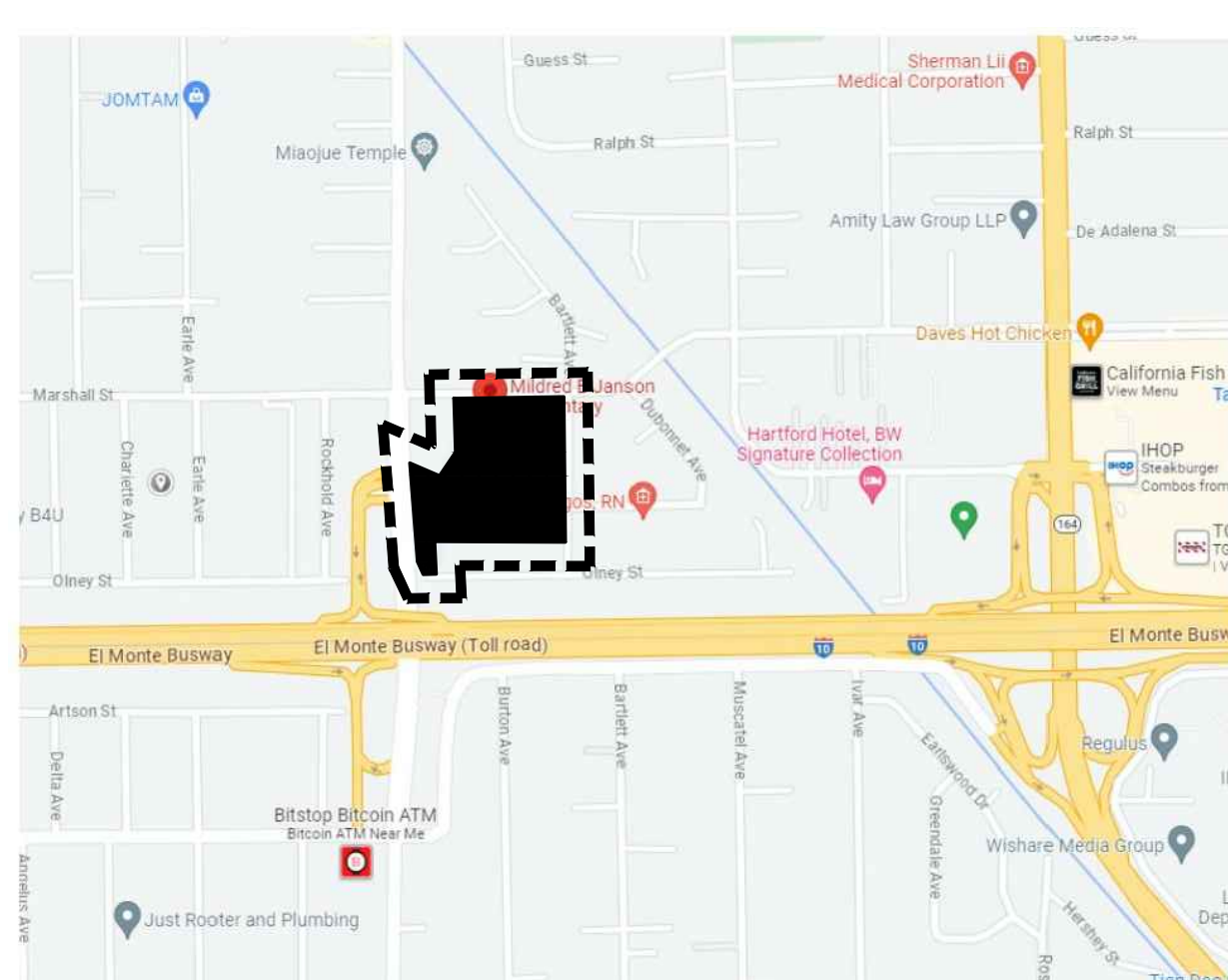
27. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, C.C.R.).

28. A "DSA CERTIFIED" INSPECTOR WITH CLASS 4 & RBP CERTIFICATION IS REQUIRED FOR THIS PROJECT.

29. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, C.C.R. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISH WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT (CCD) OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK. REFERENCE SECTION 4-317 (G), CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, C.C.R.).

30. IN-PLANT INSPECTOR INSPECTION CARD/VERIFIED REPORT DSA 152(P) SHALL BE PROVIDED PRIOR TO INSTALLATION OF THE RELOCATABLES.

VICINITY MAP JANSON E.S. SITE



N
PROJECT SITE:
MILDRED B. JANSON ELEMENTARY SCHOOL

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2013

2022 BUILDING STANDARDS ADMINISTRATIVE CODE (CACS), PART 1, TITLE 24, C.C.R.

2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, C.C.R.

(2021 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24, C.C.R.

(2020 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)

2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24, C.C.R.

(2021 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING & MECHANICAL OFFICIALS, IAPMO)

2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24, C.C.R.

(2021 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING & MECHANICAL OFFICIALS, IAPMO)

2022 CALIFORNIA FIRE CODE (CFC), PART 6, TITLE 24, C.C.R.

(2009 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)

2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 7, TITLE 24, C.C.R.

(2021 INTERNATIONAL EXISTING BUILDING, WITH 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24, C.C.R.

2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24, C.C.R.

TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

PARTIAL LIST OF APPLICABLE STANDARDS:

2022 CALIFORNIA BUILDING CODE (for SFM) REFERENCE STANDARDS CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.

NFPA 13 STANDARD FOR THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS (CA AMENDED) 2022 EDITION

NFPA 14 STANDARD FOR THE INSTALLATION OF STANDPIPE SYSTEMS (CA AMENDED) 2022 EDITION

NFPA 17 STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS 2022 EDITION

NFPA 17A STANDARD FOR WET CHEMICAL SYSTEMS 2022 EDITION

NFPA 72 NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) 2022 EDITION

NFPA 80 STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES 2022 EDITION

NFPA 101 STANDARD ON MECHANICAL SYSTEMS (CA AMENDED) 2022 EDITION

UL 464 AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES 2009 EDITION

UL 527 STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS 2009 EDITION

UL 1971 STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED 2018 EDITION

DIRECTORY

ARCHITECT:

NAC | ARCHITECTURE
837 NORTH SPRING ST. THIRD FLOOR
LOS ANGELES, CA. 90012-2323
TEL: 323.475.8075
FAX: 323.859.3110
CONTACT: GARY CHRISTOFI
EMAIL: gchristofi@nacarchitecture.com

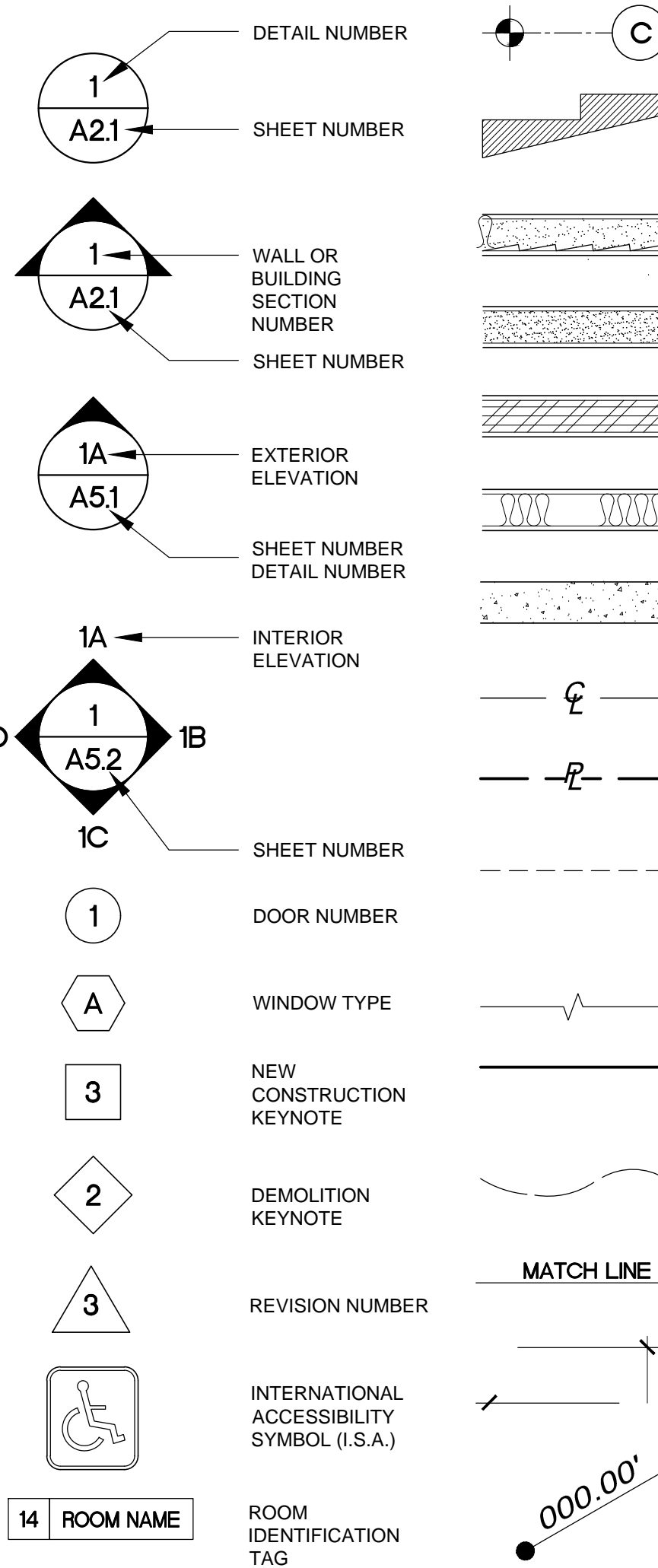
CIVIL ENGINEER:

BRAWNDOWN AND JOHNSTON
700 S. FLOWER STREET, SUITE 1200
LOS ANGELES, CA. 90017
TEL: 323.761.0830
CONTACT: ED MELO
EMAIL: edmelo@bjsc.com

ELECTRICAL ENGINEER:

PACIFIC ENGINEERS GROUP
1106 W. MAGNOLIA BLVD SUITE A
BURBANK, CA. 91506
TEL: 818.859.7081
CONTACT: ANTHONY FAJARDO
EMAIL: anthonyfajardo@pacificeng.net

GENERAL SYMBOLS



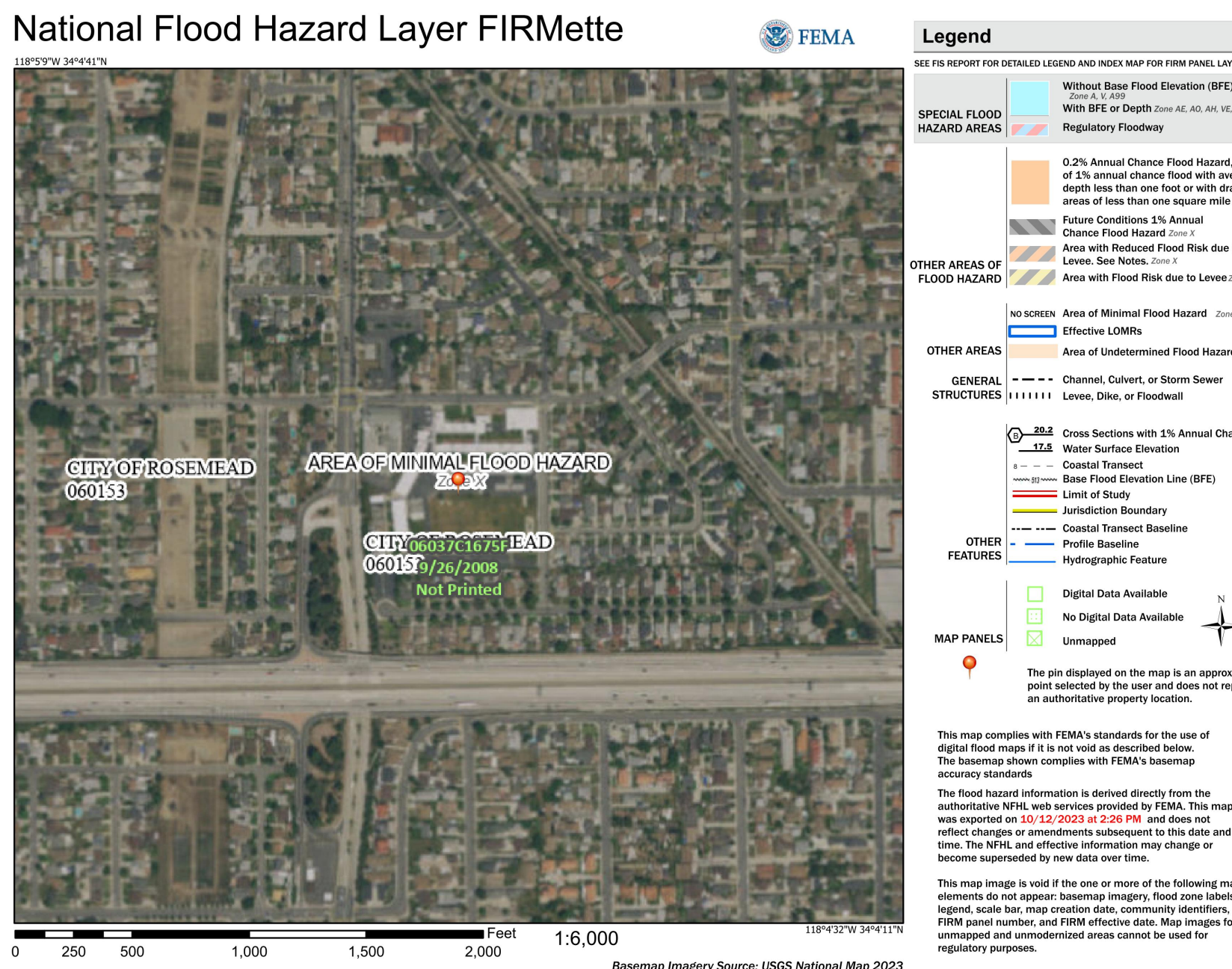
TYPE OF CONSTRUCTION: TYPE V-B NON SPRINKLERED

ALLOWABLE AREA = 9,500 S.F.
PROPOSED AREA = 2,880 S.F.
OCCUPANCY - E

MILDRED B. JANSON ELEMENTARY SCHOOL:
AREA OF SCOPE OF WORK: 2,880 SQ.FT.

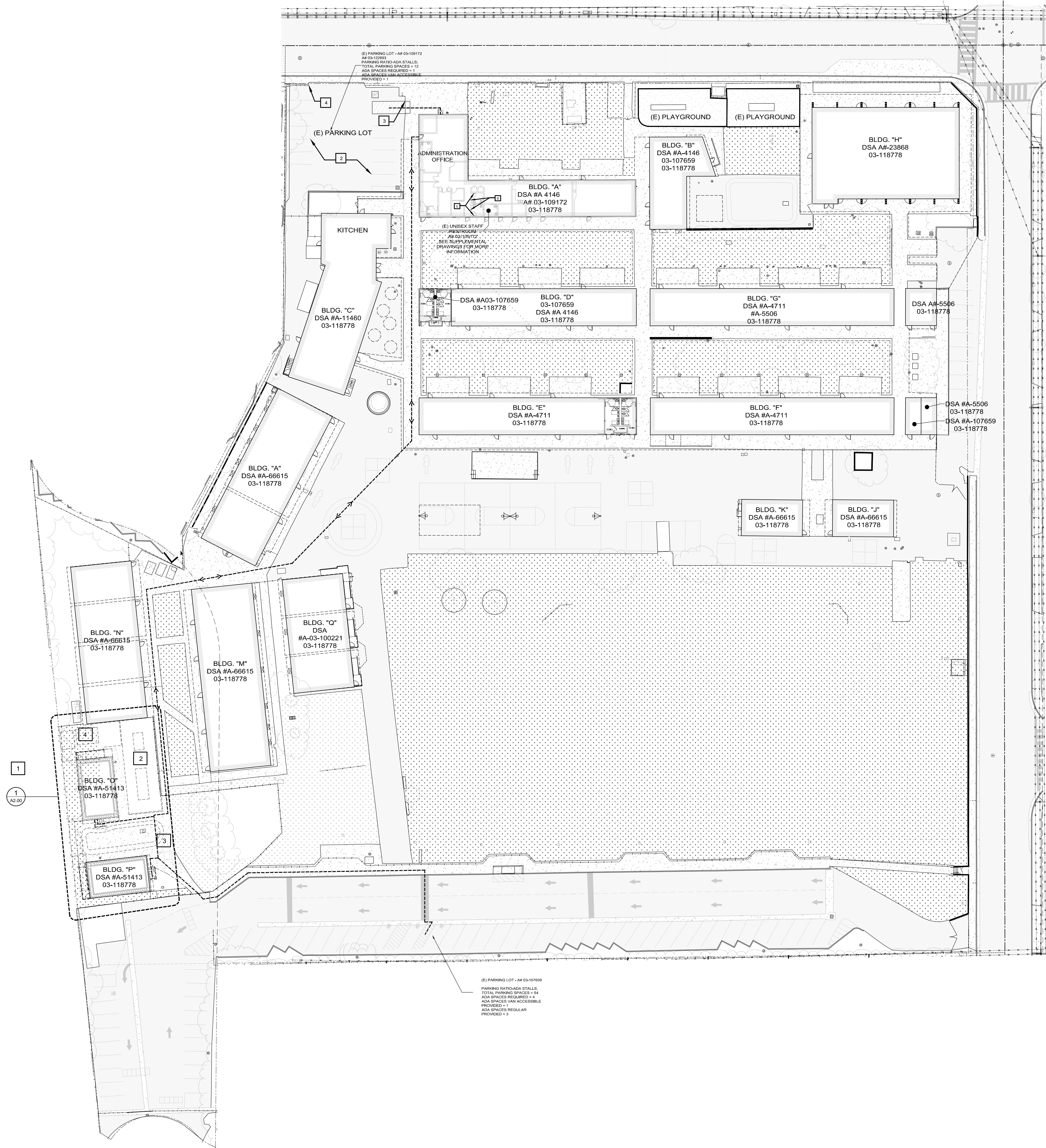
- CONSTRUCTION OF (3) 24' X 40' RELOCATABLES (PC#04-121999)
- ADA PATH OF TRAVEL SCOPE. NEW ADA RESTROOM SIGNAGE AT EXISTING BUILDING 'D' DSA #03-107659 03-118778

NATIONAL FLOOD HAZARD MAP



SHEET INDEX

NO.	SHT. NO.	SHEET TITLE	NO.	SHT. NO.	SHEET TITLE
1	G0.1	TITLE SHEET, INDEX TO DRAWINGS AND NOTES	99	A-5.79	DETERIORATION PROTECTION - NON-WD SIDING - WD FLR - WD STUDS
2	G0.2	FIRE ACCESS PLAN	100	A-5.74	DETERIORATION PROTECTION - STUCCO FINISH - WD FLR - WD STUDS
			101	A-5.75	DETERIORATION PROTECTION - NON-WD SIDING - CONC FLR - STL STUDS
			102	A-5.76	DETERIORATION PROTECTION - STUCCO FINISH - CONC FLR - STL STUDS
3	A1.00	ARCHITECTURAL	103	A-5.77	DETERIORATION PROTECTION - NON-WD SIDING - WD FLR - STL STUDS
4	A2.00	SITE PLAN	104	A-5.78	DETERIORATION PROTECTION - STUCCO FINISH - WD FLR - STL STUDS
5	A3.00	DEMOLITION PLAN	105	A-5.80	ARCHITECTURAL DETAILS - MISCELLANEOUS OPTIONS
6	A4.00	CONSTRUCTION PLAN	106	A-5.81	ARCHITECTURAL DETAILS - MISCELLANEOUS OPTIONS
7	A6.02	REFLECTED CEILING PLAN	107	A-6.01	INTERIOR ELEVATIONS - 24' x 40'
8	A6.02	SITE DETAILS	108	A-6.02	INTERIOR ELEVATIONS - 36' x 40'
			109	A-6.03	INTERIOR ELEVATIONS - 48' TO 120' x 40'
					FOUNDATION
9	C1.01	CIVIL	110	F-0.91	WOOD FOUNDATION PLAN - 24' x 40' (50 PSF)
10	C2.01	TITLE SHEET AND GENERAL NOTES	111	F-0.92	WOOD FOUNDATION PLAN - 24' x 40' (50+15 PSF)
11	C3.01	TYPICAL DETAILS	112	F-0.93	WOOD FOUNDATION PLAN - 24' x 40' (100 PSF)
12	C4.01	SITE DEMOLITION PLAN	113	F-0.94	WOOD FOUNDATION PLAN - 24' x 40' (150 PSF)
13	C5.01	PRECISE GRADING PLAN	114	F-0.11	WOOD FOUNDATION PLAN - 36' x 40' (50 PSF)
			115	F-0.12	WOOD FOUNDATION PLAN - 36' x 40' (100 PSF)
			116	F-0.13	WOOD FOUNDATION PLAN - 36' x 40' (150 PSF)
			117	F-0.14	WOOD FOUNDATION PLAN - 36' x 40' (150 PSF)
14	E-001	ELECTRICAL	118	F-0.21	WOOD FOUNDATION PLAN - 48' x 40' (50 PSF)
15	E-002	SYMBOL LIST AND NOTES	119	F-0.22	WOOD FOUNDATION PLAN - 48' x 40' (50+15 PSF)
16	E-101	SINGLE LINE DIAGRAM & DETAILS	120	F-0.23	WOOD FOUNDATION PLAN - 48' x 40' (100 PSF)
17	E-201	ELECTRICAL SITE PLAN	121	F-0.24	WOOD FOUNDATION PLAN - 48' x 40' (150 PSF)
			122	F-0.50	FOUNDATION DETAILS - WOOD
18	FA-001	RELOCATABLE SIGNAL PLAN	123	F-1.01	CONCRETE FOUNDATION PLAN - ABOVE GRADE - WOOD FLOOR
19	FA-002	FIRE ALARM SYMBOL LIST AND NOTES	124	F-1.11	CONCRETE FOUNDATION PLAN - ABOVE GRADE - CONCRETE FLOOR
20	FA-003	FIRE ALARM SCHEDULES AND CALCULATIONS	125	F-1.50	CONCRETE FOUNDATION DETAILS - ABOVE GRADE
21	FA-004	FIRE ALARM DETAILS	126	F-0.01	CONCRETE FOUNDATION PLAN - BELOW GRADE - WOOD FLOOR
22	FA-101	FIRE ALARM RISER DIAGRAM	127	F-2.11	CONCRETE FOUNDATION PLAN - BELOW GRADE - CONCRETE FLOOR
23	FA-201	FIRE ALARM SITE PLAN	128	F-2.50	CONCRETE FOUNDATION PLAN - BELOW GRADE
			129	F-2.51	FOUNDATION DETAILS - CONCRETE
					STRUCTURAL
24	A-0	ARCHITECTURAL	130	S-0.1	STRUCTURAL SPECIFICATIONS
25	A-0A	COVER SHEET	131	S-1.01	FLOOR FRAMING PLAN - WOOD FLOOR
26	A-0A	T & FORMS	132	S-1.11	FLOOR FRAMING PLAN - CONCRETE FLOOR
27	A-0A	T & FORMS	133	S-1.50	FLOOR FRAMING DETAILS - WOOD FLOOR
28	A-0.1	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE	134	S-1.60	FLOOR FRAMING DETAILS - CONCRETE FLOOR
29	A-0.2	SCHEDULES	135	S-2.01	ROOF FRAMING PLAN - MONO SLOPE
30	A-0.3	TYPICAL KEY PLANS - 24' TO 120' x 40'	136	S-2.03	ROOF FRAMING PLAN - PARAPET - MONO SLOPE
31	A-0.51	DESIGN ENERGY VALUES - CONC FLOOR - ROOF HVAC	137	S-2.11	ROOF FRAMING PLAN - DUAL SLOPE
32	A-0.52	DESIGN ENERGY VALUES - CONC FLOOR - WALL HVAC	138	S-2.13	ROOF FRAMING PLAN - PARAPET - DUAL SLOPE
33	A-0.53	DESIGN ENERGY VALUES - WOOD FLOOR - ROOF HVAC	139	S-2.50	ROOF FRAMING DETAILS - WOOD FLOOR
34	A-0.54	DESIGN ENERGY VALUES - WOOD FLOOR - WALL HVAC	140	S-2.51	ROOF FRAMING DETAILS - DUAL SLOPE
35	A-0.54	PRF FORMS - ZONE 20x40 - 14' WORST CASE	141	S-2.60	ROOF FRAMING DETAILS
36	A-0.55	PRF FORMS - ZONE 20x40 - 15' WORST CASE	142	S-2.70	ROOF FRAMING DETAILS - PARAPET
37	A-0.56	PRF FORMS - ZONE 20x40 - 16' WORST CASE	143	S-2.90	ROOF FRAMING DETAILS - TRUSS
38	A-0.57	PRF FORMS - ZONE 36x40 - 14' WORST CASE	144	S-3.01	BUILDING SECTION - MONO SLOPE
39	A-0.58	PRF FORMS - ZONE 36x40 - 15' WORST CASE	145	S-3.02	BUILDING SECTION - DUAL SLOPE
40	A-0.59	PRF FORMS - ZONE 36x40 - 16' WORST CASE	146	S-5.00	WALL FRAMING ELEVATIONS - WOOD STUDS
41	A-0.6A	CERTIFICATE OF COMPLIANCE FORMS	147	S-5.10	WALL FRAMING DETAILS - WOOD STUDS
42	A-0.6B	CERTIFICATE OF COMPLIANCE FORMS	148	S-5.11	WALL FRAMING DETAILS - WOOD STUDS
43	A-0.6C	CERTIFICATE OF COMPLIANCE FORMS	149	S-5.20	WALL FRAMING ELEVATIONS - STEEL STUDS
44	A-0.6E	SINGLE MODULE TOILET BUILDING COMPLIANCE FORMS	150	S-5.30	WALL FRAMING DETAILS - STEEL STUDS
45	A-0.7	TWO MODULE TOILET BUILDING COMPLIANCE FORMS	151	S-5.31	WALL FRAMING DETAILS - STEEL STUDS
46	A-1.01	PV SYSTEM REQS. ENERGY MANDATORY MEASURES & CALGREEN SPECS			PLUMBING
47	A-1.01	FLOOR PLAN - 24' x 40'	152	P-1.01	PLUMBING DETAILS AND SCHEDULE
48	A-1.02	FLOOR PLAN - 36' x 40'			MECHANICAL
49	A-1.03	FLOOR PLAN - 48' TO 120' x 40'	153	M-0.1	MECHANICAL NOTES, SCHEDULES, AND DETAILS
50	A-1.04	OPTIONAL RESTROOM END MODULE ADULT HEIGHT PLAN & ELEVATIONS	154	M-1.01	MECHANICAL PLAN - WALL MOUNT -



JANSON RELOCATABLES		
BLDGS IN SCOPE	DSA #	CERTIFICATION STATUS
BLDG A	03-4146 03-108172 03-118778	CERTIFIED CERTIFIED CERTIFIED

- ACCESSIBILITY NOTES**
1. SITE WALKWAYS SHALL PROVIDE A BARRIER FREE PATH OF TRAVEL FOR A PERSON IN A WHEELCHAIR. THE PATH OF TRAVEL SHALL BE A HARD, DURABLE AND SLIP RESISTANT ROUTE A MINIMUM OF 48 INCHES IN WIDTH (11B-403.5.1) EXCEPTION 3) AND WITH A MAXIMUM GRADIENT SLOPE OF 5% AND MAXIMUM CROSS-SLOPE OF 2% (11B-403.3) ABRUPT CHANGES IN LEVEL SHALL NOT EXCEED A BEVELED SLOPE OF 1:2 WITH A 1/2" IN VERTICAL HEIGHT AND 1/4" MAXIMUM IN VERTICAL DIFFERENTIAL LEVELS. CONCRETE FINISH SHALL BE STABLE, FIRM AND SLIP-RESISTANT (11B-302).
 2. PATH OF TRAVEL (P.O.T.) AS INDICATED, IS A COMMON BARRIER FREE EGRESS/ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE. THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. PASSING SPACES (11B-403.5.3) AT LEAST 60" X 60" ARE LOCATED NOT MORE THAN 200' APART. PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS HAVE 80' LEVEL AREAS (11B-403.7) NOT MORE THAN 400' APART. THE CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%. (P.O.T.) SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80' MINIMUM (11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307.2). THAT THERE ARE NO BARRIERS IN THE P.O.T. ARCHITECT HAS VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.
 3. GATES IN THE PATH OF TRAVEL SHALL HAVE ACCESSIBLE HARDWARE AND KICK PLATES.
 4. FOR ALL SITE GRADIENTS SEE CIVIL PLANS

PATH OF TRAVEL STATEMENT

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:
THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS, OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

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

- LEGEND**
- LANDSCAPE
 - NEW RELOCATABLE SCOPE OF WORK
 - ACCESSIBLE PATH OF TRAVEL (POT)
 - EXISTING, TO BE DEMOLISHED
- KEYNOTES**
- 1.0 REMOVE EXISTING RELOCATABLES BUILDING COMPLETELY (INCLUDING FOUNDATIONS AND RAMPS)
 - 2.0 REMOVE EXISTING PLAYGROUND EQUIPMENT AND DEMOLISH EXISTING CONCRETE CURBS.
 - 3.0 REMOVE EXISTING CONCRETE WALKWAY.
 - 4.0 REMOVE EXISTING STORAGE SHEDS.



DESIGNER, ARCHITECTS AND OTHER PROFESSIONALS SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED IN THESE DOCUMENTS. THE USER OF THESE DOCUMENTS SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED IN THESE DOCUMENTS.

MILDRED B. JANSON ELEMENTARY SCHOOL
NEW RELOCATABLES
8628 MARSHALL ST. ROSEMEAD, CA 91770

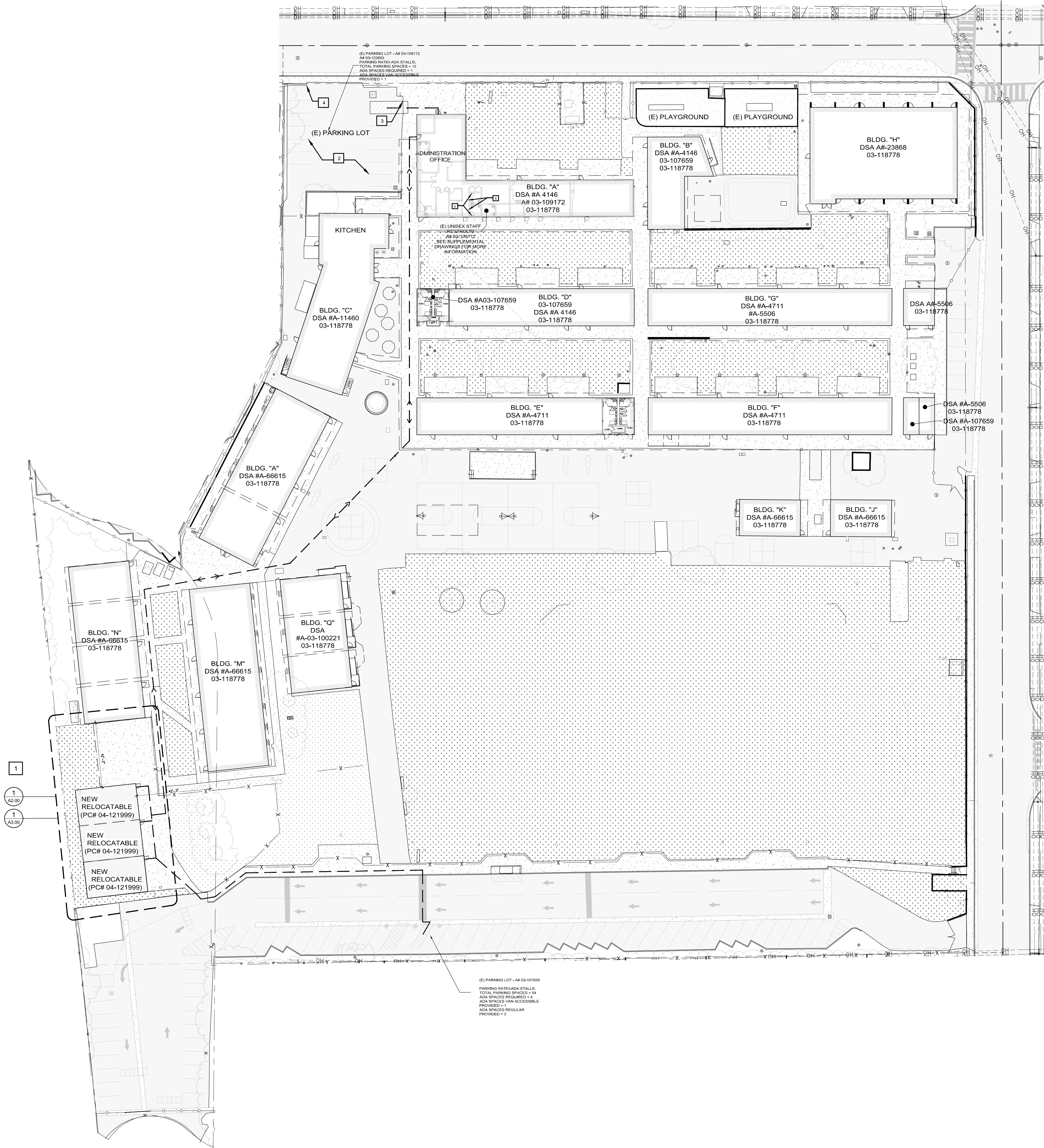


ROSEMEAD
SCHOOL DISTRICT
3807 ROSEMEAD BLVD.,
ROSEMEAD, CA 91770

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ARCHITECTURE
nacarchitecture.com
837 N. Spring Street, Third Floor
Los Angeles, CA 90012-2323
P: 323.475.8075

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SITE PLAN -
DEMOLITION



JANSON RELOCATABLES		
BLDGS IN SCOPE	DSA #	CERTIFICATION STATUS
BLDG A	03-4146 03-108172 03-118778	CERTIFIED CERTIFIED CERTIFIED

- ACCESSIBILITY NOTES**
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 3. GATES IN THE PATH OF TRAVEL SHALL HAVE ACCESSIBLE HARDWARE AND KICK PLATES.
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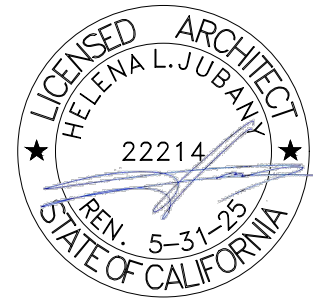
PATH OF TRAVEL STATEMENT

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- LEGEND**
- LANDSCAPE
 - NEW RELOCATABLE SCOPE OF WORK
 - ACCESSIBLE PATH OF TRAVEL (POT)

- KEYNOTES**
- 1 NEW (3) 24' X 40' RELOCATABLES
 - 2 PROVIDE NEW STRIPING AT ENTIRE PARKING LOT AS PER DETAIL #9/A8.02
 - 3 PROVIDE NEW ADA PARKING SIGNS PER 10/A8.02
 - 4 PROVIDE NEW TOW AWAY SIGN ON (E) POLE PER DETAIL 7/A8.02
 - 5 REMOVE EXISTING SIGNAGE AND REPLACE WITH NEW ACCESSIBLE RESTROOM DOOR SIGN. SEE, 4/8.04
 - 6 REMOVE EXISTING WALL SIGNAGE AND REPLACE WITH NEW ACCESSIBLE RESTROOM WALL SIGN. SEE, 2 & 3/A8.04



DESIGNER, ARCHITECTS AND OTHER PROFESSIONALS SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED IN THESE DOCUMENTS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED IN THESE DOCUMENTS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED IN THESE DOCUMENTS.

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NEW RELOCATABLES
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ROSEMEAD
SCHOOL DISTRICT
3807 ROSEMEAD BLVD.,
ROSEMEAD, CA 91770

NAC
ARCHITECTURE
nacarchitecture.com
837 N. Spring Street, Third Floor
Los Angeles, CA 90012-2323
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SITE PLAN



GENERAL NOTES

1. THE DEMOLITION PLANS INCLUDE THE SCOPE OF DEMOLITION WORK REQUIRED, BUT ARE NOT INTENDED TO INCLUDE ALL OF THE DETAILED REQUIREMENTS. ALL DEMOLITION WORK NOT SHOWN ON DRAWINGS OR SPECIFIED WHICH IS REQUIRED FOR COMPLETION OF WORK INCLUDED IN THE CONTRACT DOCUMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. COORDINATE ALL DEMOLITION WORK WITH ALL TRADES AND REVIEW DRAWINGS FOR EXACT LOCATIONS OF ALL OPENINGS, ETC., PRIOR TO STARTING WORK.
3. ALL EXISTING WALLS, STRUCTURE, DOORS AND OTHER ITEMS TO REMAIN ARE SHOWN AS SOLID LINES OR INDICATED AS SUCH BY NOTE. ALL STRUCTURAL MEMBERS, SLABS AND ROOF STRUCTURE/DECKS ARE TO REMAIN UNLESS SPECIFICALLY NOTED OTHERWISE.

GRAPHIC LEGEND

- EXISTING, TO REMAIN
- EXISTING, TO BE DEMOLISHED

KEYNOTES

- 1.0 REMOVE EXISTING RELOCATABLES BUILDING COMPLETELY (INCLUDING FOUNDATIONS AND RAMPS)
- 2.0 REMOVE EXISTING PLAYGROUND EQUIPMENT AND DEMOLISH EXISTING CONCRETE CURBS.
- 3.0 REMOVE EXISTING CONCRETE WALKWAY.
- 4.0 REMOVE EXISTING STORAGE SHEDS.

FILE No.: 19-91 AH: 03-123590

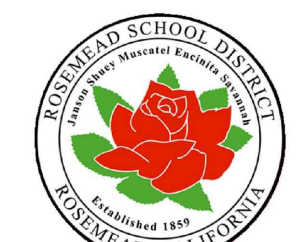
Revisions



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22214
5-31-25
STATE OF CALIFORNIA

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MILDRED B. JANSON ELEMENTARY SCHOOL
NEW RELOCATABLES
8628 MARSHALL ST. ROSEMEAD, CA 91770



ROSEMEAD
SCHOOL DISTRICT
3607 ROSEMEAD BLVD.,
ROSEMEAD, CA 91770

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nacarchitecture.com
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Los Angeles, CA 90012-2323
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DEMOLITION PLAN

A2.00

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





GRAPHIC LEGEND

EXISTING, TO REMAIN

NEW RELOCATABLE

KEYNOTES

1.0 (3) NEW 24'X40' RELOCATABLE

2.0 NEW CONCRETE WALKWAY

FILE No.: 19-91 A#: 03-123590

Revisions



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8628 MARSHALL ST. ROSEMEAD, CA 91770



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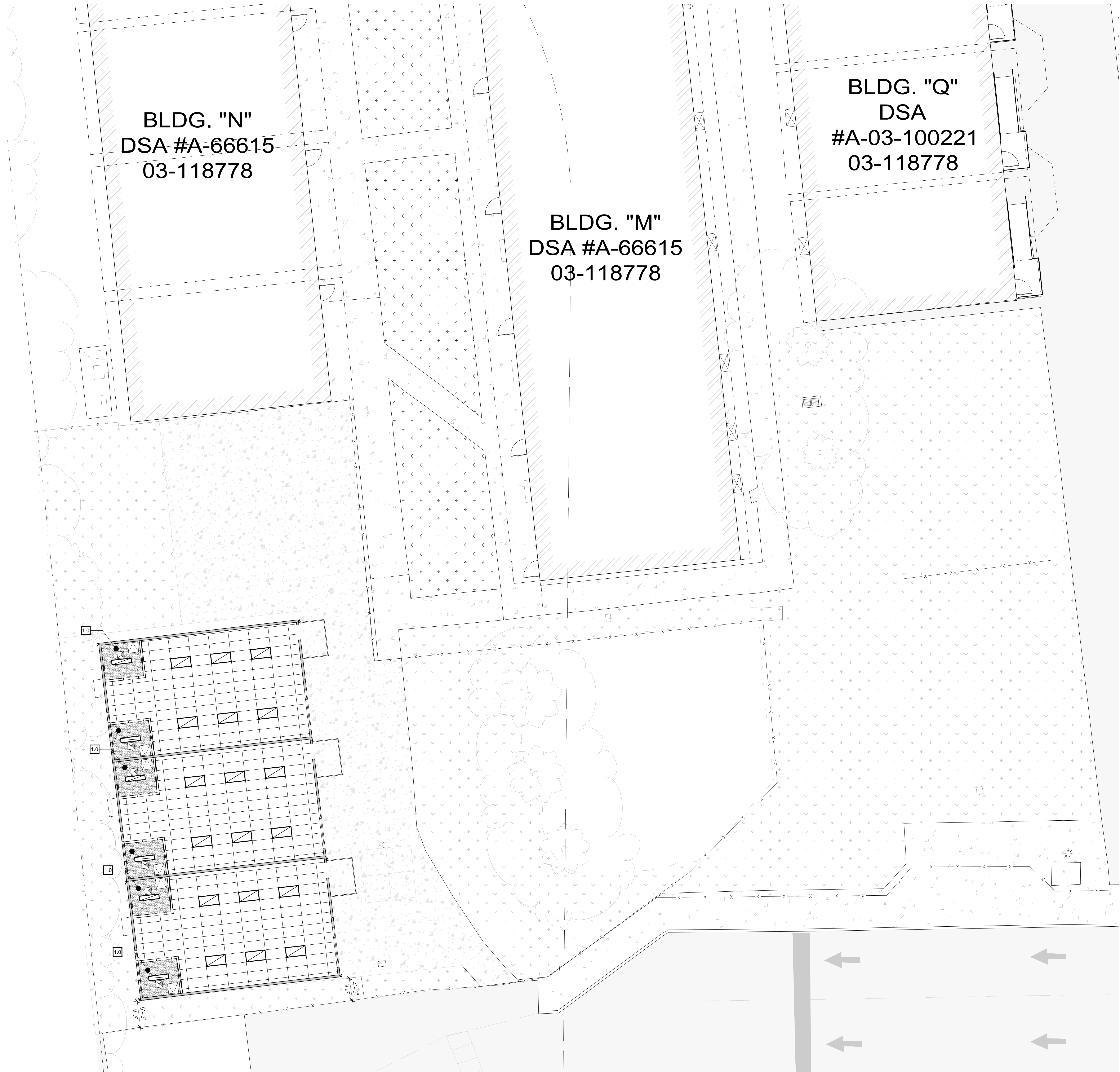
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CONSTRUCTION
PLAN

A3.00





GRAPHIC LEGEND

EXISTING, TO REMAIN

NEW WALL

T-BAR CEILING

2'X4' RECESSED LIGHT FIXTURE

1'X4' RECESSED LIGHT FIXTURE

ACCESS PANEL

EXHAUST FAN

KEYNOTES

1.0

GYPSUM BOARD CEILING

FILE No.: 19-91 | A#: 03-123590

Revisions



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MILDRED B. JANSON ELEMENTARY SCHOOL
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ROSEMEAD
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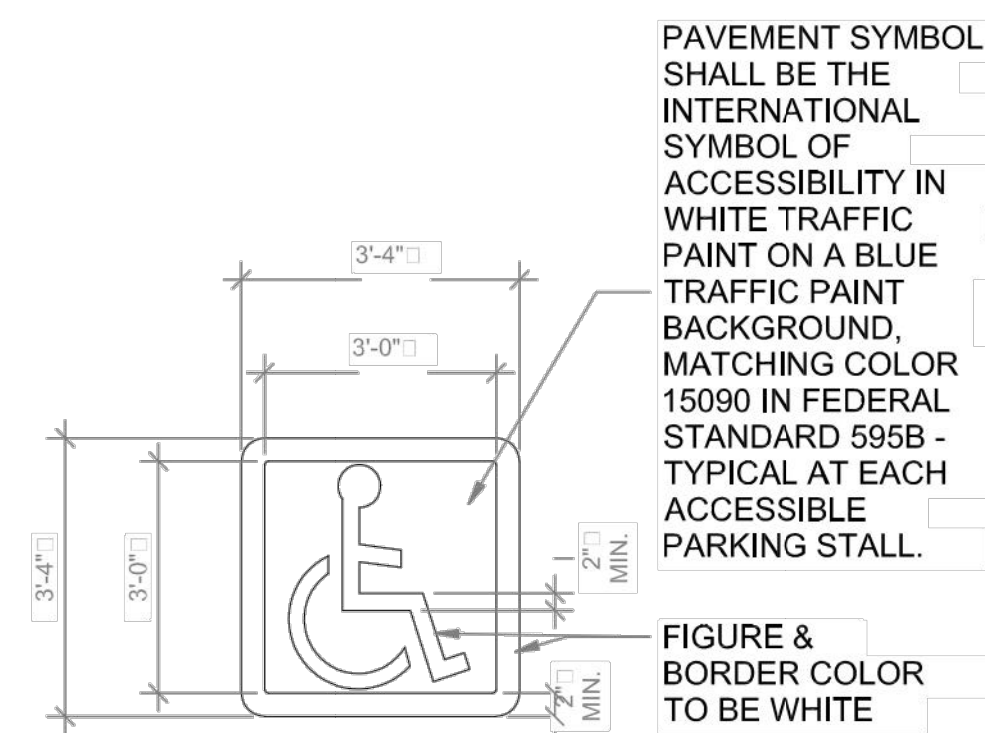
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REFLECTED CEILING
PLAN

A4.00

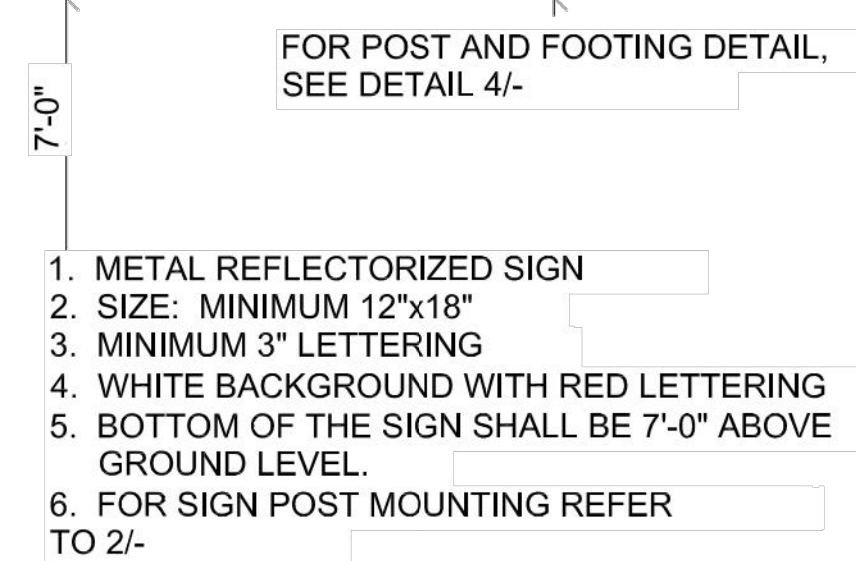




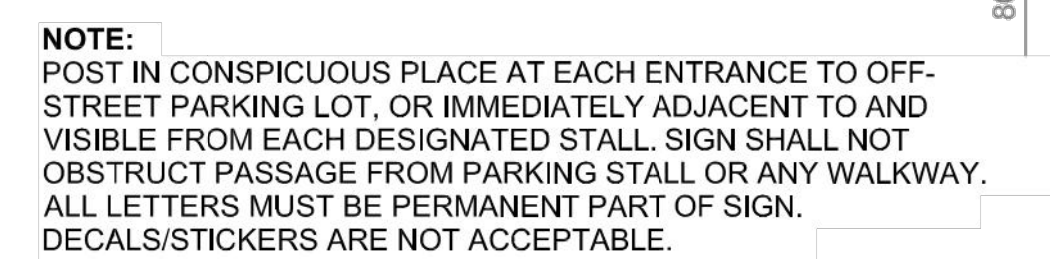
9 PARKING STRIPING



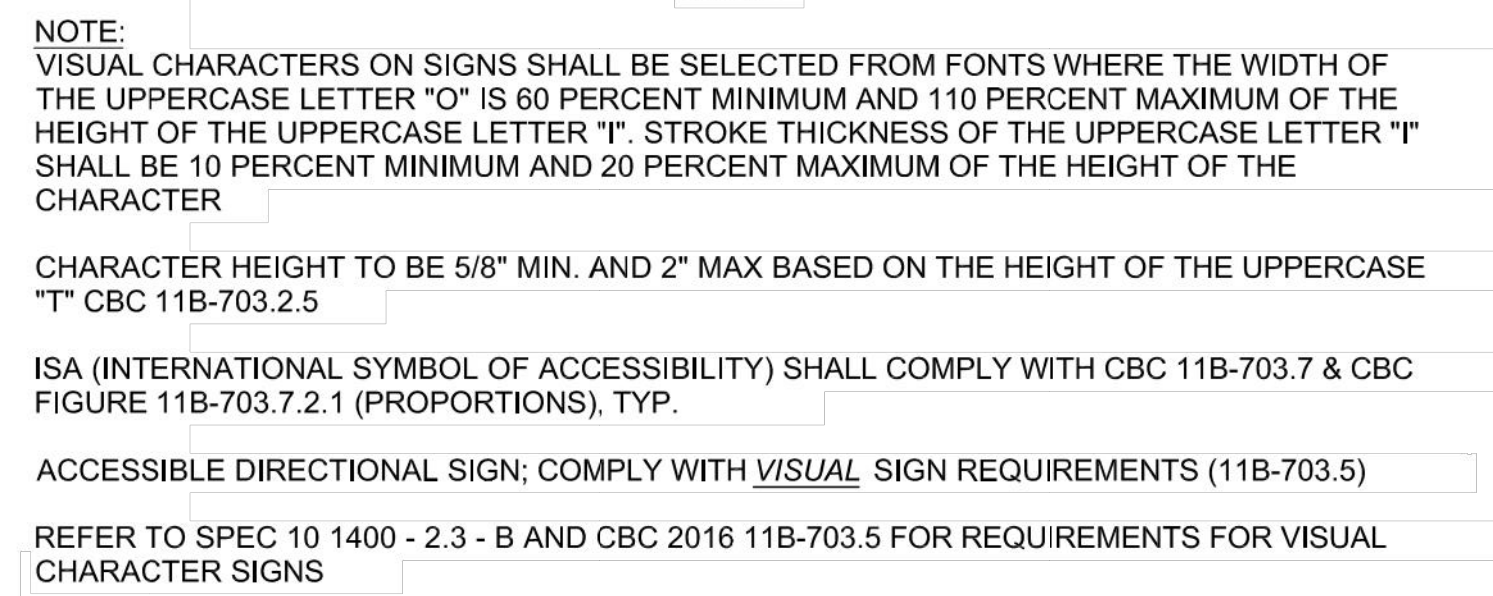
11 NO PARKING FIRE LANE
Scale: 1 1/2" = 1'-0"



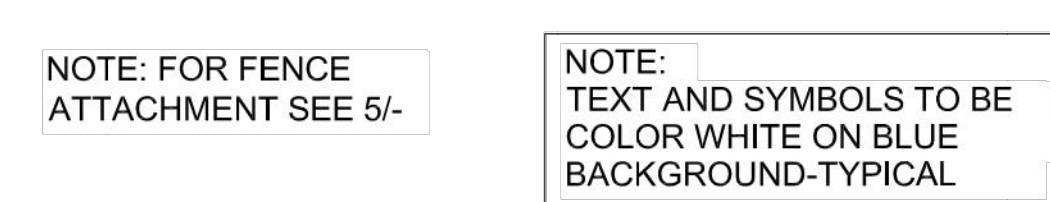
8 FIRE LANE SIGNAGE



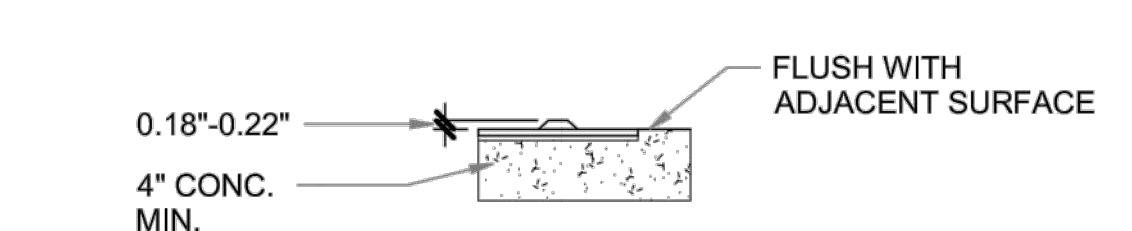
7 TOW AWAY PARKING LOT SIGN
Scale: 1 1/2" = 1'-0"



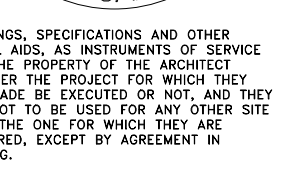
3 ACCESSIBLE DIRECTIONAL SIGNAGE



10 ACCESSIBLE PARKING SIGNAGE
Scale: 1" = 1'-0"



1 DETECTABLE WARNING DOMES



GENERAL NOTES:

1. ALL WORK DETAILED ON THESE PLANS SHALL BE CONSTRUCTED IN ACCORDANCE WITH "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION AND SUPPLEMENTS), THE UNIFORM BUILDING CODE (FOR EXCAVATION AND GRADING), CALIFORNIA BUILDING CODE (CBC) AND ROSEMEAD SCHOOL DISTRICT STANDARD PLANS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR, REPLACEMENT, AND MAINTENANCE OF EROSION CONTROL PLAN.
3. NO CONCRETE SHALL BE POURED UNTIL THE PROJECT INSPECTOR HAS INSPECTED AND APPROVED THE FOOTING EXCAVATIONS.
4. IF AT ANY TIME DURING THE GRADING AND EXCAVATION OPERATIONS, UNFAVORABLE SOILS CONDITIONS ARE ENCOUNTERED, THE WORK SHALL STOP UNTIL APPROVED CORRECTIVE MEASURES ARE OBTAINED.
5. ALL GRADES AND CONTOURS INDICATED ON THE PLANS ARE TO FINISHED SURFACE, AND NOT ROUGH GRADES. CONTRACTOR SHALL SUBTRACT THE STRUCTURAL THICKNESS OF PAVEMENTS AND TOP-SOIL THICKNESS IN LANDSCAPED AREAS, TO OBTAIN DESIRED ROUGH GRADES.
6. NO FILL TO BE PLACED, UNTIL THE PROJECT INSPECTOR HAS INSPECTED AND APPROVED THE BOTTOM EXCAVATION.
7. ALL CONCENTRATED DRAINAGE MUST BE CONDUCTED TO THE STREET IN APPROVED NON-EROSIVE DEVICES OR TO EXISTING STORM DRAIN SYSTEM.
8. EXCAVATIONS SHALL BE MADE IN ACCORDANCE WITH THE REGULATIONS OF THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY. ALL EXCAVATIONS SHALL BE STABILIZED WITHIN 300 DAYS OF INITIAL EXCAVATION. ALL TEMPORARY EXCAVATIONS SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
9. MAN MADE FILL SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90% MAX. DRY DENSITY, UNLESS A LOWER RELATIVE COMPACTION (NO LESS THAN 90% OF MAX. DRY DENSITY) IS JUSTIFIED BY THE SOILS ENGINEER.
10. THIS PLAN IS FOR GRADING PURPOSES ONLY AND DOES NOT CONSTITUTE APPROVAL OF BUILDINGS.
11. ALL DEBRIS AND FOREIGN MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT APPROVED DISPOSAL SITES. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS FOR THE TRANSPORTATION OF MATERIAL TO AND FROM THE SITE.
12. EXISTING TOPOGRAPHY SHOWN HEREON WAS TAKEN FROM A SURVEY DATED MARCH 11 2022 BY CAL VADA SURVEYING, INC.
13. CONSTRUCTION STAKING FOR IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR.
14. STRAIGHT GRADE SHALL BE MAINTAINED BETWEEN CONTOUR LINES AND SPOT ELEVATIONS UNLESS OTHERWISE SHOWN ON THE PLANS.
15. DIMENSIONS TO PIPELINES ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
16. ALL DIMENSIONS ARE IN FEET OR DECIMALS THEREOF.
17. ALL CURB DIMENSIONS AND RADII ARE TO BOTTOM OF CURB FACE.
18. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800-422-4133) PRIOR TO ANY EXCAVATION.
19. CONTRACTOR TO BE AWARE OF ALL OVERHEAD LINES AT ALL TIMES, SO AS NOT TO DISTURB THEM.
20. CONTRACTOR SHALL COORDINATE REMOVAL OR RELOCATION OF ANY PUBLIC UTILITY LINES (IF ENCOUNTERED DURING CONSTRUCTION) WITH THEIR RESPECTIVE OWNERS. SEPARATE PERMITS MAY BE REQUIRED.
21. THE CONTRACTOR SHALL REPLACE ALL EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION AT HIS OWN EXPENSE AND TO THE SATISFACTION OF THE OWNER. MATCH EXISTING MATERIALS, SURFACE TREATMENT, AND COLORS. SAME SHALL APPLY TO PERMANENT UTILITY TRENCH RESURFACING.
22. STORM DRAINAGE SHOWN ON THESE PLANS HAVE BEEN DESIGNED FOR THE FINAL SITE CONDITION AT COMPLETION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF THE SITE, DURING INTERIM CONDITIONS OF CONSTRUCTION.
23. CUT AND FILL SLOPES SHALL BE NO STEEPER THAN TWO HORIZONTAL ONE VERTICAL.
24. ANY TEMPORARY STOCKPIILING OF EXCESS MATERIAL ON SITE SHALL BE APPROVED BY THE PROJECT INSPECTOR AND THE OWNER'S AUTHORIZED REPRESENTATIVE, INCLUDING PROTECTION AND EROSION CONTROL, PRIOR TO EXCAVATION.
25. PROJECT INSPECTOR IS REQUIRED ON GRADING AND FOUNDATION EARTHWORK.
26. STAKE AND FLAG THE PROPERTY LINES IN ACCORDANCE WITH A LICENSED SURVEY MAP.
27. CONTINUOUS INSPECTION BY THE SOIL ENGINEER/GEOLOGIST IS REQUIRED AS DESCRIBED IN THE SOIL REPORT.

NOTICE TO CONTRACTORS:

1. PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL JOIN ELEVATION CONDITIONS FOR GRADING AND DRAINAGE WORK. IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND SHALL NOT BEGIN CONSTRUCTION UNTIL THE CHANGED CONDITIONS HAVE BEEN EVALUATED.
2. THE EXISTENCE, LOCATION AND CHARACTERISTICS OF UNDERGROUND UTILITY INFORMATION SHOWN ON THESE PLANS HAVE BEEN OBTAINED FROM A REVIEW OF AVAILABLE RECORD DATA. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID UTILITY INFORMATION. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
3. THE CONTRACTOR FURTHER SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
4. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE PLANS, THE SOILS AND/OR GEOLOGY REPORTS, AND THE SITE CONDITIONS PRIOR TO COMMENCING WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR THE ENGINEER, PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND NOT TO THE EXPENSE OF THE OWNER OR ENGINEER.
6. ALL CHANGES TO THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT SHALL BE DONE IN WRITING AND APPROVED BY THE ENGINEER OF RECORD. THE ENGINEER SHALL NOT BE RESPONSIBLE, OR LIABLE FOR UNAUTHORIZED CHANGES OR USES OF THE CONSTRUCTION DOCUMENTS.
7. SHOULD CONFLICTING INFORMATION BE FOUND ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE PROJECT ARCHITECT OR ENGINEER BEFORE PROCEEDING WITH THE WORK IN QUESTION.
8. THE CONTRACTOR SHALL OBTAIN AN OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (O.S.H.A.) PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE 5 FEET OR DEEPER.
9. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.

ENVIRONMENTAL QUALITY NOTES:

- A. ALL UNPAVED DEMOLITION AND CONSTRUCTION AREAS SHALL BE WETTED AT LEAST TWICE DAILY DURING EXCAVATION AND CONSTRUCTION, AND TEMPORARY DUST COVERS SHALL BE USED TO REDUCE DUST EMISSIONS AND MEET SCAQMD DISTRICT RULE 403.
- B. THE CONTRACTOR SHALL KEEP THE CONSTRUCTION AREA SUFFICIENTLY DAMPENED TO CONTROL DUST CAUSED BY CONSTRUCTION AND HAULING, AND AT ALL TIMES PROVIDE REASONABLE CONTROL OF DUST CAUSED BY WIND.
- C. EROSION CONTROL TO BE INSTALLED YEAR ROUND THROUGHOUT ENTIRE PROJECT. OBTAIN GRADING INSPECTOR'S APPROVAL OF PROPOSED PROCEDURES.
- D. ALL LOADS SHALL BE SECURED BY TRIMMING, WATERING OR OTHER APPROPRIATE MEANS TO PREVENT SPILLAGE AND DUST.
- E. ALL MATERIALS TRANSPORTED OFF-SITE SHALL BE EITHER SUFFICIENTLY WATERED OR SECURELY COVERED TO PREVENT EXCESSIVE AMOUNT OF DUST.
- F. ALL CLEARING, EARTH MOVING, OR EXCAVATION ACTIVITIES SHALL BE DISCONTINUED DURING PERIODS OF HIGH WINDS (I.E., GREATER THAN 15 MPH), SO AS TO PREVENT EXCESSIVE AMOUNTS OF DUST.
- G. GENERAL CONTRACTORS SHALL MAINTAIN AND OPERATE CONSTRUCTION EQUIPMENT SO AS TO MINIMIZE EXHAUST EMISSIONS.
- H. THE PROJECT SHALL COMPLY WITH THE NOISE ORDINANCES WHICH PROHIBIT THE EMISSION OR CREATION OF NOISE BEYOND CERTAIN LEVELS AT ADJACENT USES UNLESS TECHNICALLY INFEASIBLE.
- I. CONSTRUCTION AND DEMOLITION SHALL BE RESTRICTED TO THE HOURS OF 7:00 AM TO 6:00 PM MONDAY THROUGH FRIDAY, AND 8:00 AM TO 6:00 PM ON SATURDAY.
- J. CONSTRUCTION AND DEMOLITION ACTIVITIES SHALL BE SCHEDULED SO AS TO AVOID OPERATING SEVERAL PIECES OF EQUIPMENT SIMULTANEOUSLY.
- K. THE PROJECT CONTRACTOR SHALL USE POWER CONSTRUCTION EQUIPMENT WITH STATE-OF-THE-ART NOISE SHIELDING AND MUFFLING DEVICES.
- L. THE CONTRACTOR SHALL COMPLY WITH THE NOISE INSULATION STANDARDS OF TITLE 24 OF THE CALIFORNIA CODE REGULATIONS, WHICH INSURE AN ACCEPTABLE INTERIOR NOISE ENVIRONMENT.
- M. ALL WASTE SHALL BE DISPOSED OF PROPERLY. USE APPROPRIATELY LABELED RECYCLING BINS TO RECYCLE CONSTRUCTION MATERIALS INCLUDING: SOLVENTS, WATER-BASED PAINTS, VEHICLE FLUIDS, BROKEN ASPHALT AND CONCRETE, WOOD, AND VEGETARIAN. NON RECYCLABLE MATERIALS/WASTES SHALL BE TAKEN TO AN APPROPRIATE LANDFILL. TOXIC WASTES MUST BE DISCARDED AT A LICENSED REGULATED DISPOSAL SITE.
- O. PAVEMENT SHALL NOT BE HOSED DOWN AT MATERIAL SPILLS. DRY CLEANUP METHODS SHALL BE USED WHENEVER POSSIBLE.
- P. DUMPSTERS SHALL BE COVERED AND MAINTAINED. UNCOVERED DUMPSTERS SHALL BE PLACED UNDER A ROOF OR BE COVERED WITH TARPS OR PLASTIC SHEETING.
- Q. GRAVEL APPROACHES SHALL BE USED WHERE TRUCK TRAFFIC IS FREQUENT TO REDUCE SOIL COMPACTION AND THE TRACKING OF SEDIMENT INTO STREETS SHALL BE LIMITED.
- R. ALL VEHICLE/EQUIPMENT MAINTENANCE, REPAIR, AND WASHING SHALL BE CONDUCTED AWAY FROM STORM DRAINS. ALL MAJOR REPAIRS SHALL BE CONDUCTED OFF-SITE. DRIP PANS OR DROP CLOTHES SHALL BE USED TO CATCH DRIPS AND SPILLS.

ACCESSIBILITY NOTES:

CALIFORNIA ACCESS COMPLIANCE, TITLE 24 CCR

1. WALKS AND SIDEWALK SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4" PER FOOT (2% GRADIENT) (SEC. 11B-403.3)
2. WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS 1:20 (5% GRADIENT) IT SHALL COMPLY WITH THE PROVISIONS OF SECTION 11B-401 AS A PEDESTRIAN RAMP (SEC. 11B-403.3)
3. WALK AND SIDEWALK SURFACES WITH A SLOPE OF LESS THAN 6% GRADIENT SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT DESCRIBED AS A MEDIUM SALTED FINISH. (SEC. 11B-403.2)
4. WALK & SIDEWALK SURFACES WITH A SLOPE OF 6% OR MORE GRADIENT SHALL BE SLIP-RESISTANT. (SEC. 11B-403.2)
5. ALL WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE LEVEL AREAS AT LEAST 5' IN LENGTH AT INTERVALS OF' AT LEAST EVERY 400'. (SEC. 11B-403.7)
6. WALKS SHALL BE PROVIDED WITH A LEVEL AREA NOT LESS THAN 60" WIDE AND DOOR+36" DEEP AT A DOOR OR GATE THAT SWINGS TOWARD THE WALK, AND NOT LESS THAN 48" WIDE AND DOOR+12" DEEP AT A DOOR OR GATE THAT SWINGS AWAY FROM THE WALK. (SEC. 11B-404.2.4.1 (c) OR (d))
7. WALKS AND SIDEWALKS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2", AND SHALL BE A MINIMUM OF 48" WIDE. (SEC. 11B-403.1, 11B-403.2, 11B-403.5.1, 11B-403.5.3, 11B-302.1)
8. WHEN ABRUPT CHANGES IN LEVEL NOT EXCEEDING 1/2" OCCUR, THEY SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1 UNIT VERTICAL TO 2 UNITS HORIZONTAL (50%), EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 3/4" MAY BE VERTICAL. (SEC. 11B-403.4 AND FIGURES 11B-5E (c) AND (d))
9. ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE EXCEEDING 1/2" SHALL COMPLY WITH THE REQUIREMENTS FOR CURB RAMPS. (SEC. 11B-303.4)
10. WALKS SHALL EXTEND A MINIMUM OF 36" TO THE SIDE OF THE STRIKE EDGE OF A DOOR OR GATE THAT SWINGS TOWARD THE WALL (SEC. 11B-404.2.4.1 (d))
11. WALKS, SIDEWALKS, AND PEDESTRIAN WAYS SHALL BE FREE OF GRATINGS WHEREVER POSSIBLE. GRID OPENINGS IN GRATINGS SHALL BE 1/2" WIDE MAX IN THE DIRECTION OF TRAFFIC FLOW. ELONGATED OPENINGS, IF PROVIDED SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL (SEC. 11B-302.3)
12. ABRUPT CHANGES IN LEVEL, 4" OR MORE, EXCEPT BETWEEN A WALK OR A SIDEWALK AND ADJACENT STREETS OR DRIVEWAYS SHALL BE IDENTIFIED BY A 6" HIGH CURBS ABOVE WALK SURFACE (SEC. 11B-303.5)
13. PROVIDE SIGNS DISPLAYING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AT EVERY PRIMARY PUBLIC ENTRANCE AND AT EVERY MAJOR JUNCTION ALONG OR LEADING TO AN ACCESSIBLE ROUTE OF TRAVEL. SIGNS SHALL INDICATE THE DIRECTION TO ACCESSIBLE BUILDING ENTRANCES AND SHALL COMPLY WITH SECTION 11B-703 (SEC. 11B-216.6)

PAVING NOTES:

1. A PRE-PAVING MEETING WITH PROJECT INSPECTOR AND ENGINEER IS REQUIRED 48 HOURS PRIOR TO PAVING.
2. CRUSHED AGGREGATE BASE SHOULD CONFORM TO SECTION 200-2.2 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND SHOULD BE COMPACTED TO A DRY DENSITY OF AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY AT NEAR OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D 1557-02.
3. THE PCC PAVEMENT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF APPROXIMATELY 2,500 PSI FOR PEDESTRIAN AREAS.
4. ADJACENT PAVEMENTS SLAB SECTIONS SHALL HAVE FLUSH TRAPEZOIDAL KEYED CONSTRUCTION JOINT. AS AN ALTERNATIVE TO THE KEYED JOINT, DOWELING BETWEEN CONSTRUCTION JOINTS CAN BE USED. DOWELS SHALL CONSIST OF SMOOTH, #4bar REINFORCING STEEL, 18 INCHES LONG, EMBEDDED A MINIMUM OF SIX INCHES INTO THE SLAB ON EITHER SIDE OF THE CONSTRUCTION JOINT.

CALIFORNIA CODE OF REGULATIONS:

LIST OF APPLICABLE CODES

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CCR
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
TITLE 19 CCR, 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.

BENCH MARK

ELEVATIONS SHOWN HEREON ARE BASED UPON LOS ANGELES COUNTY BENCHMARK MC3252, ELEVATION 323.41 FEET (NAVD 88).

DESCRIPTION: RDBM TAG IN W CB 1FT N/O BCR @ NW COR VALLEY BLVD & WALNUT GROVE AVE.

SITE INFORMATION

SITE NAME: MILDRED B. JANSON ELEMENTARY SCHOOL

SITE ADDRESS: 8628 MARSHALL STREET, ROSEMEAD, CA 91770 LOS ANGELES COUNTY

ASSESSOR'S PARCEL NO. 5390-004-901

BASIS OF BEARINGS

THE BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 5, (2017.50) IN ACCORDANCE TO THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819; SAID BEARINGS ARE DETERMINED LOCALLY UPON FIELD-OBSERVED TIES TO THE FOLLOWING CALIFORNIA SPATIAL REFERENCE CENTER (C.S.R.C.) CONTINUOUSLY OPERATING REFERENCE STATIONS (C.O.R.S.):

C.S.R.C. RHCL: NORTHING = 1829315.58' EASTING = 6553739.69'

C.S.R.C. BKMS: NORTHING = 1808660.13' EASTING = 6532953.81'

THE COMBINATION FACTOR FOR THIS PROJECT WAS APPLIED AT THE FOLLOWING POINT:

NORTHING = 1849306.58' EASTING = 6537401.68'

MAPPING ANGLE = -0°02'44" SCALE FACTOR = 1.00001741

LEGEND:

- NEW PORTABLE BUILDING
- EXISTING BUILDING
- PROPERTY LINE
- RIDGE LINE
- GRADE BREAK LINE
- SAWCUT LINE
- LIMITS OF BUILDING OVEREXCAVATION
- FENCE
- PROP. CONTOUR (1' INTERVAL)
- EXIST. CONTOUR (1' INTERVAL)
- PROPOSED SPOT ELEVATION
- EXISTING SPOT ELEVATION
- ADA PATH OF TRAVEL
- NEW ASPHALT CONCRETE PAVEMENT, TRAFFIC INDEX=4.5
- NEW ASPHALT CONCRETE PAVEMENT, TRAFFIC INDEX=7.0
- NEW CONCRETE PAVEMENT
- NEW LANDSCAPING

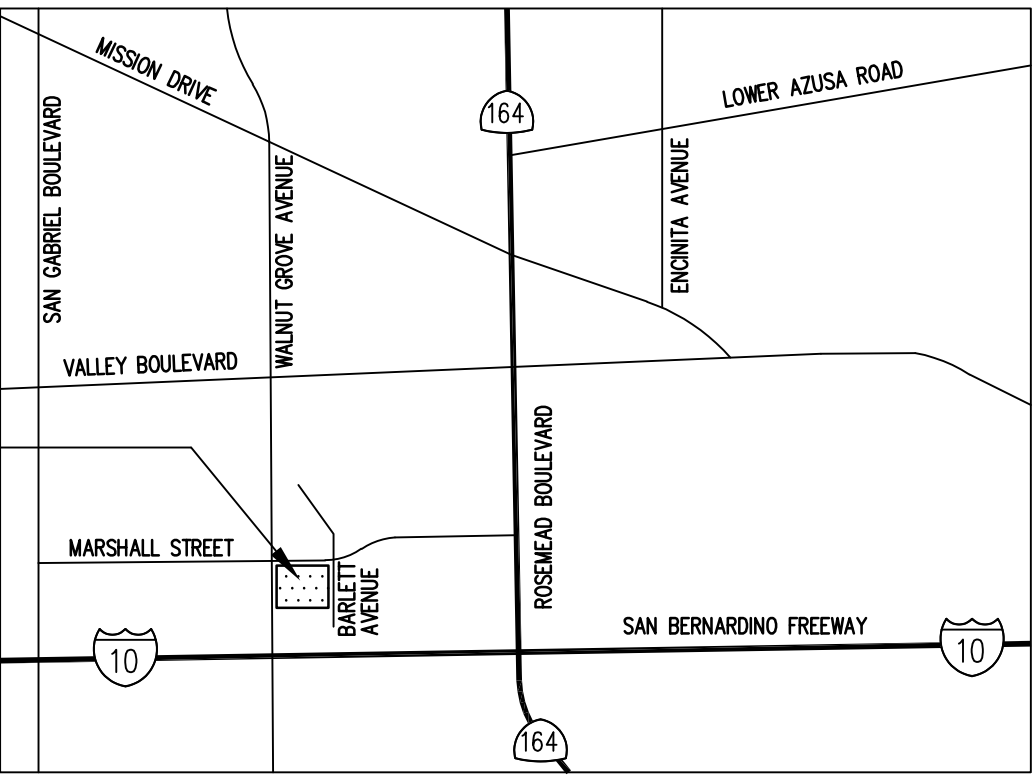
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Underground

Service Alert
of Southern California

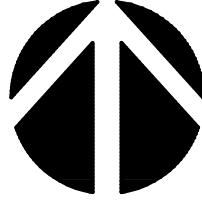
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VICINITY MAP

SCALE: N.T.S.



PREPARED BY

BRANDOW & JOHNSTON, INC.
700 SOUTH FLOWER ST. SUITE 1200
LOS ANGELES, CA. 90017
TEL (213) 596-4500
FAX (213) 596-4599

REPRESENTATIVE:

ED MELO, PE
DIRECTOR OF CIVIL ENGINEERING

PREPARED FOR

ROSEMEAD SCHOOL DISTRICT
3907 ROSEMEAD BLVD.
ROSEMEAD, CA 91770

REPRESENTATIVE:

NAC ARCHITECTURE
323-475-8075

INDEX OF DRAWINGS

SHT. NO.	DESCRIPTION
C1.01	TITLE SHEET AND GENERAL NOTES
C2.01	TYPICAL DETAILS
C3.01	SITE DEMOLITION PLAN
C4.01	PRECISE GRADING PLAN
C4.02	PRECISE GRADING PLAN
C5.01	UTILITY PLAN

FILE No.: 19-91 AH: 03-123590

Revisions

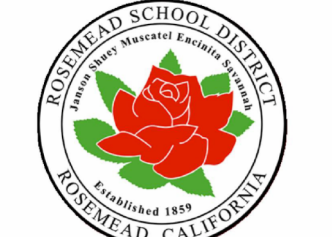


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STRUCTURAL-CIVIL ENGINEERS
700 S FLOWER ST #1200, LOS ANGELES, CA 90017
T: (213) 596-4500
WWW.B&JCE.COM



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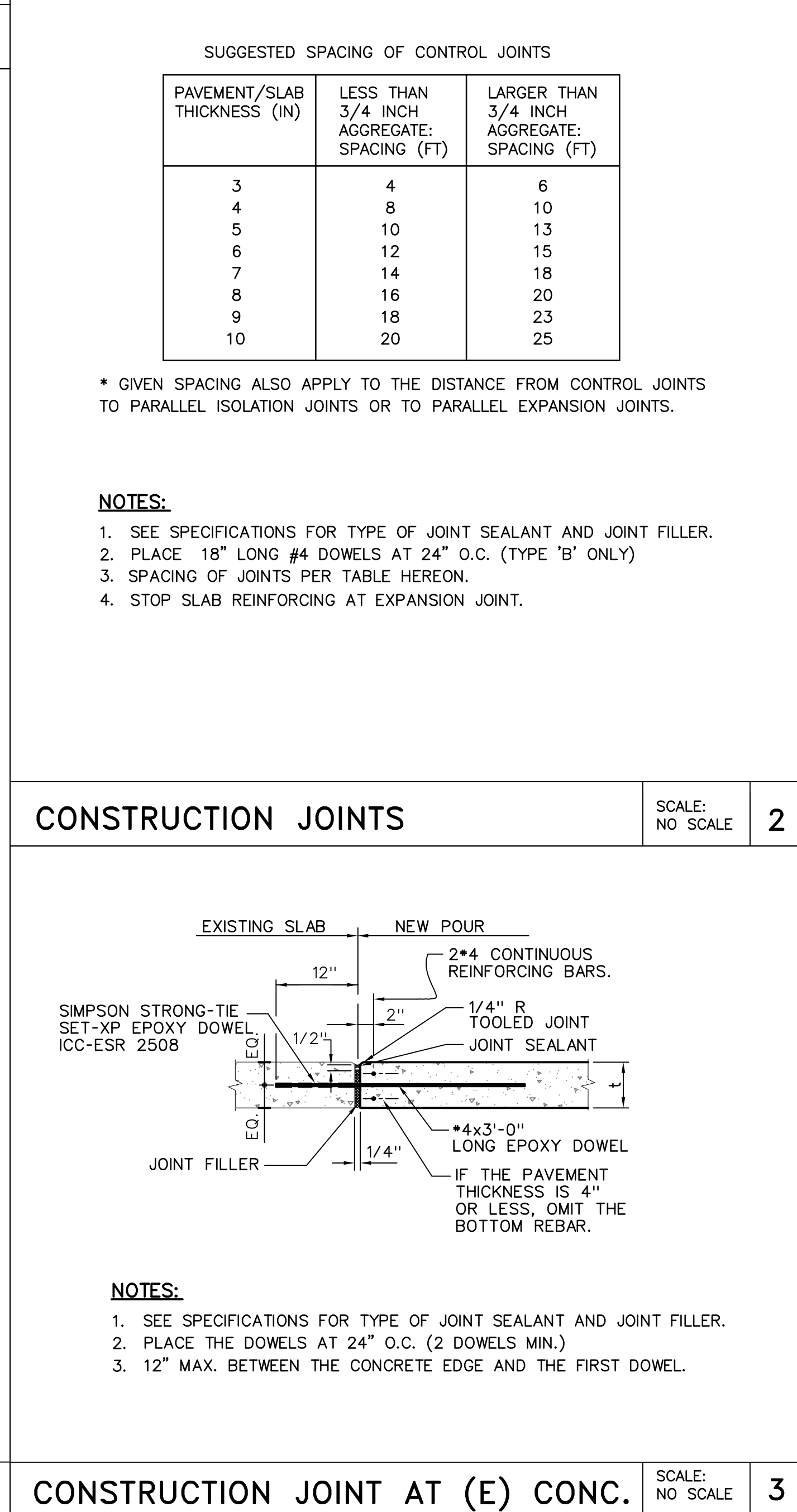
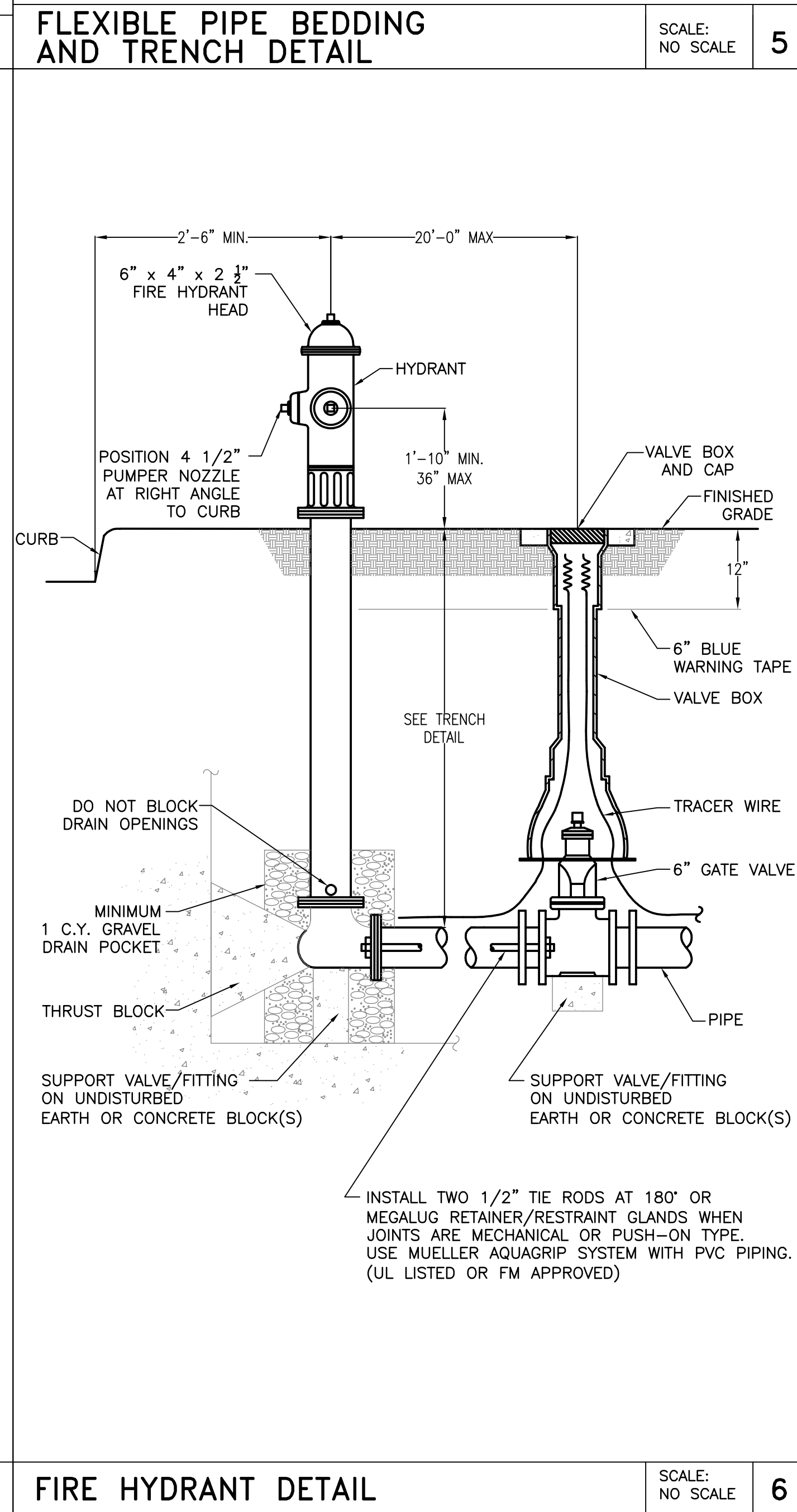
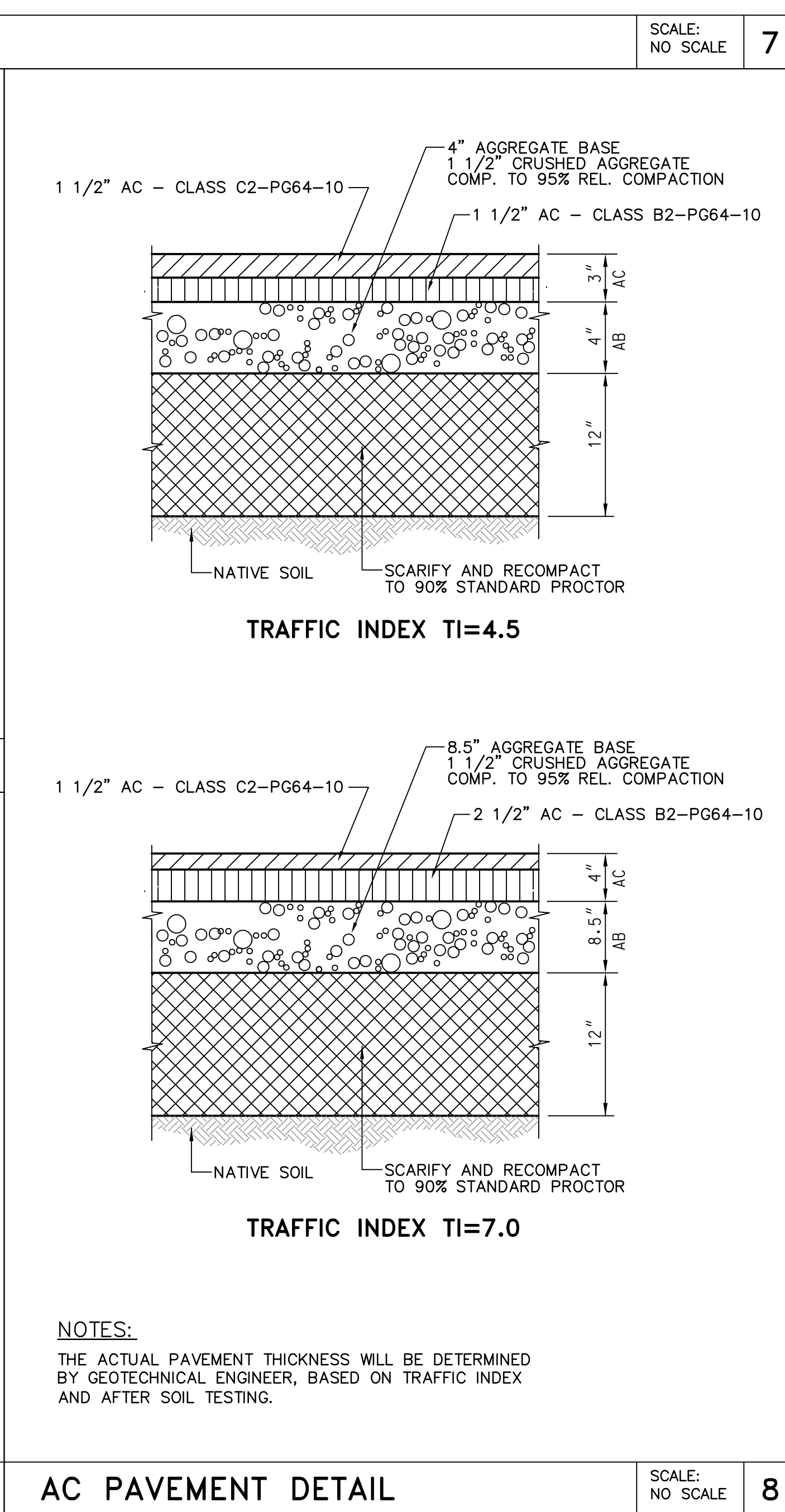
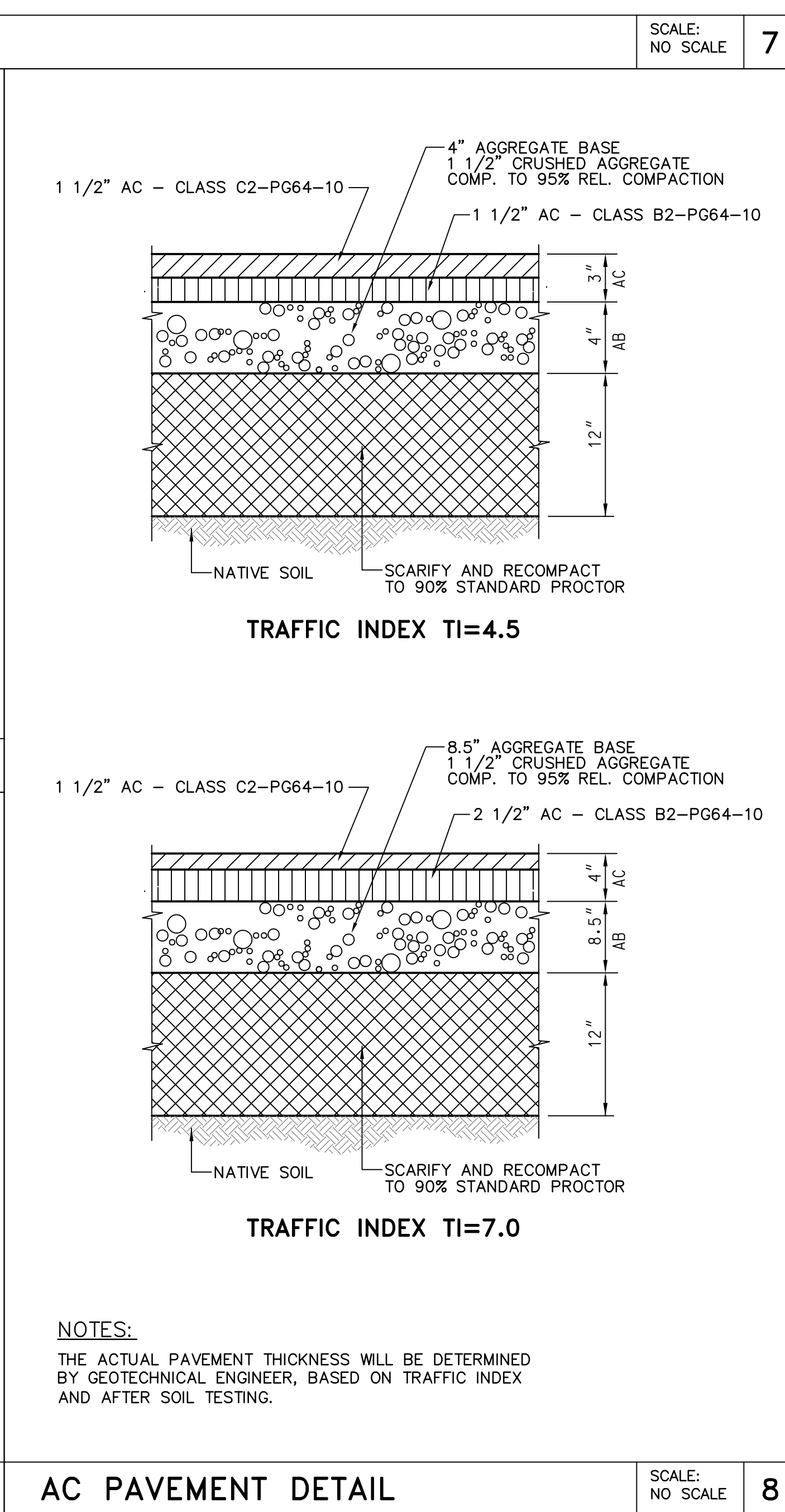
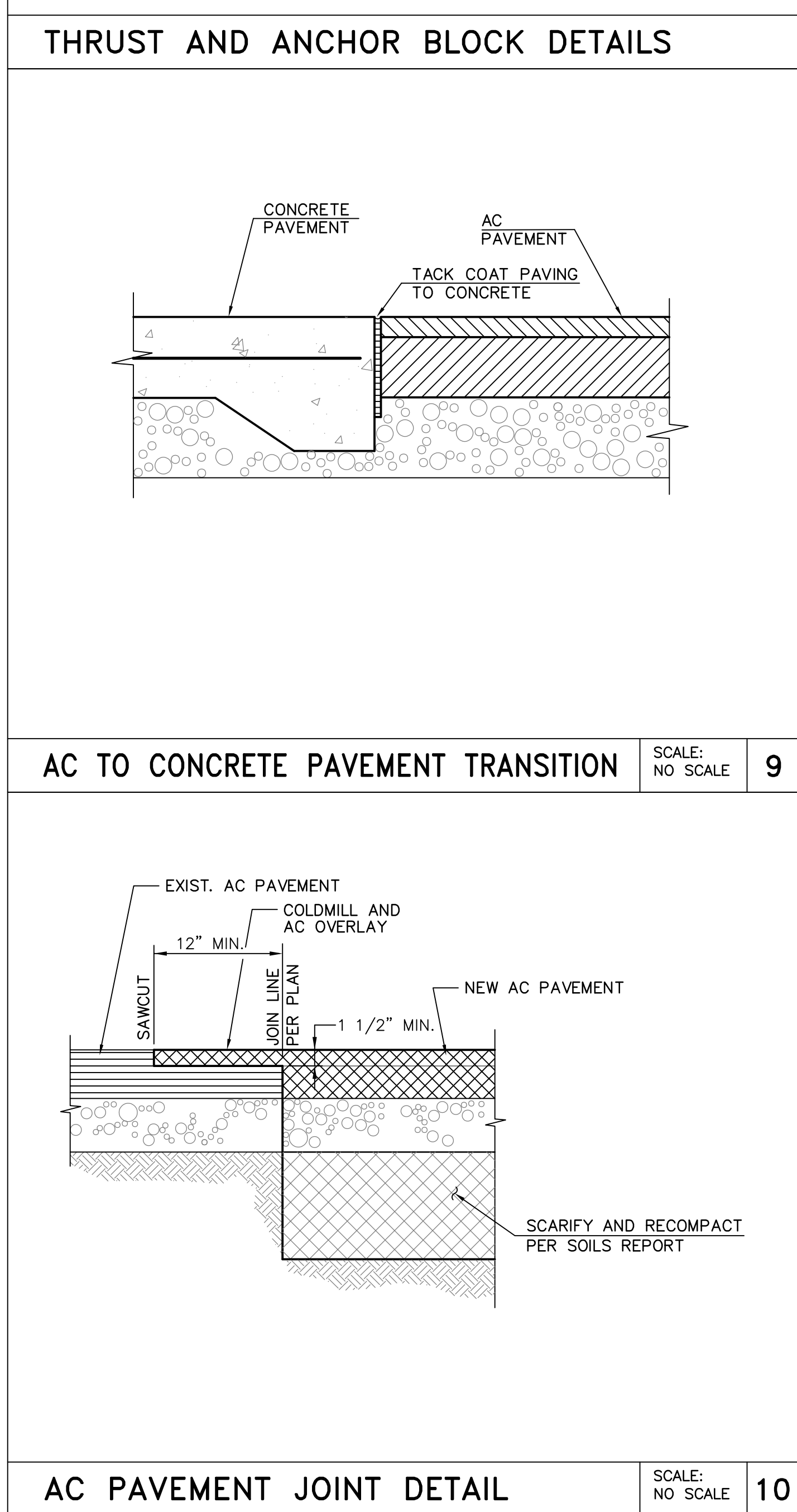
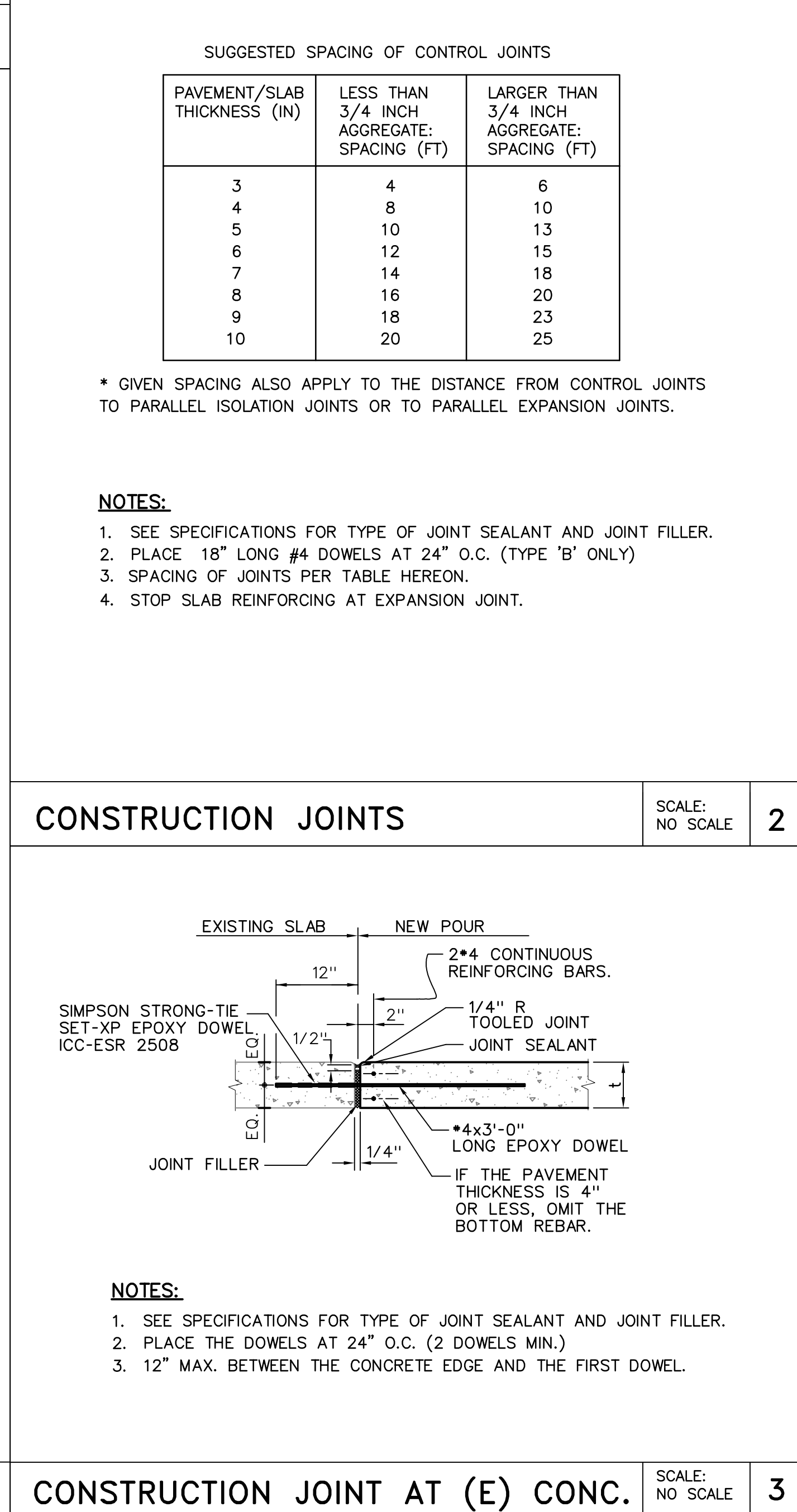
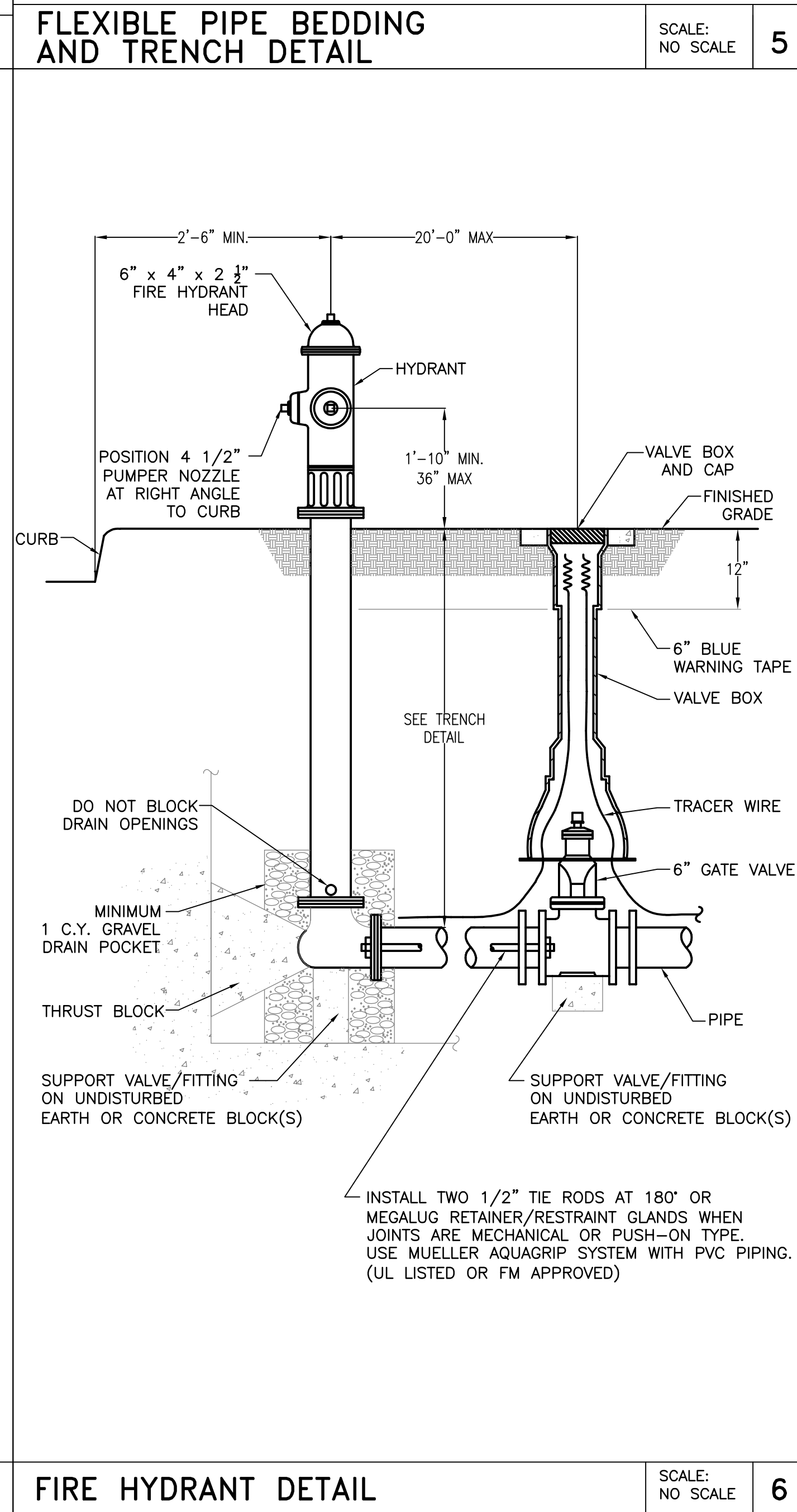
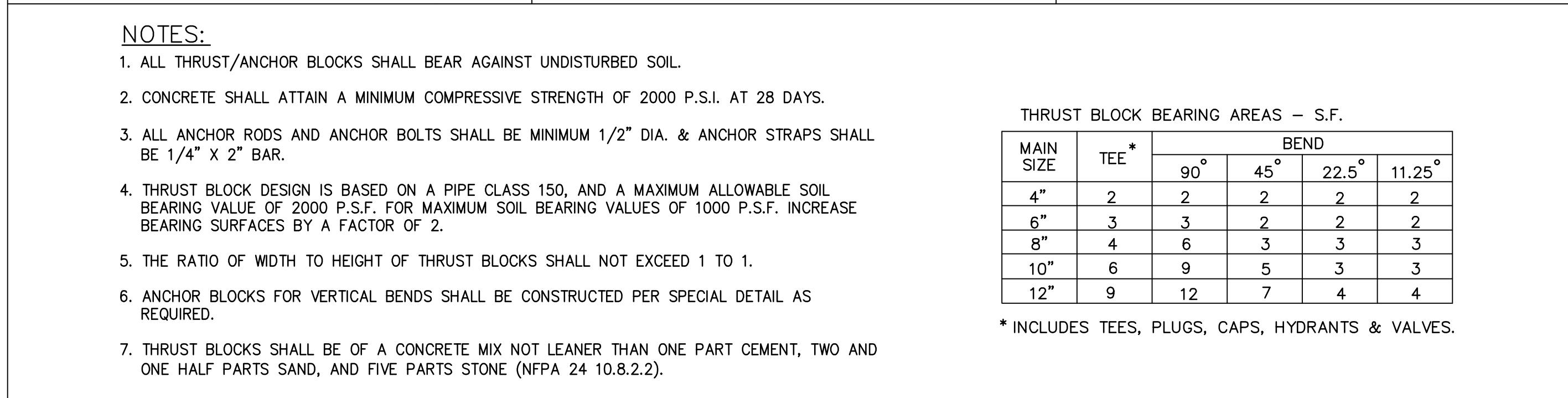
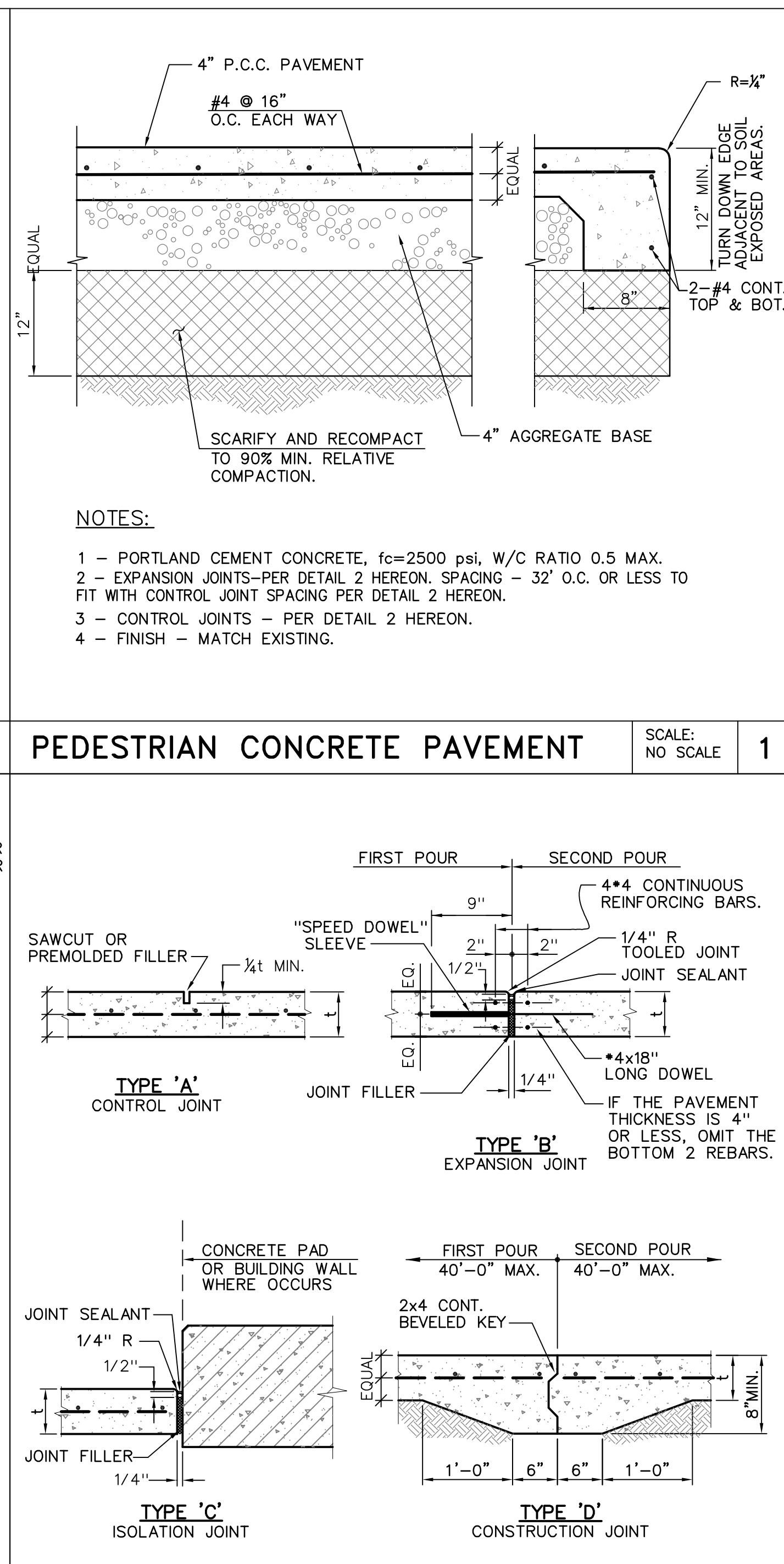
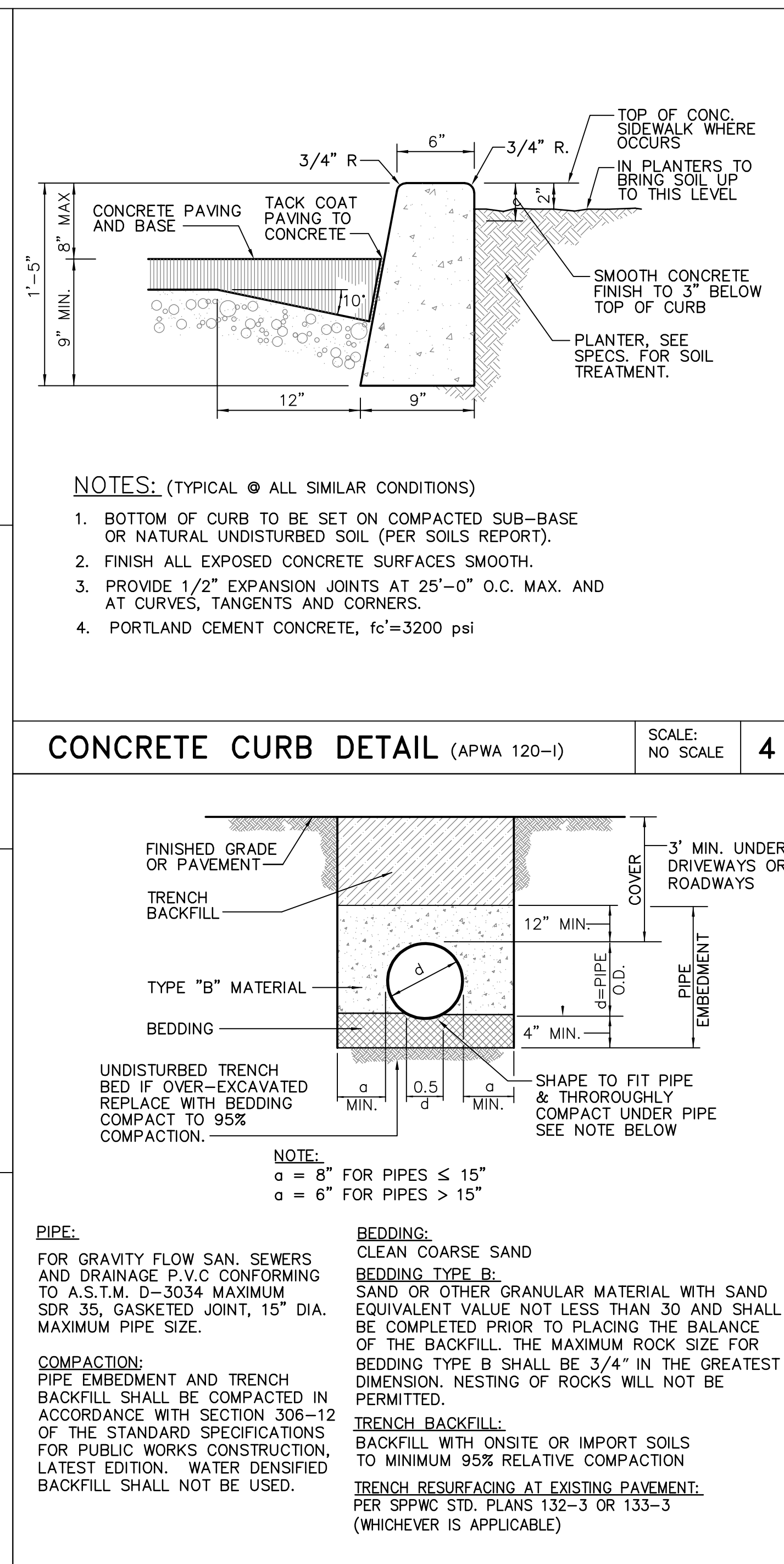
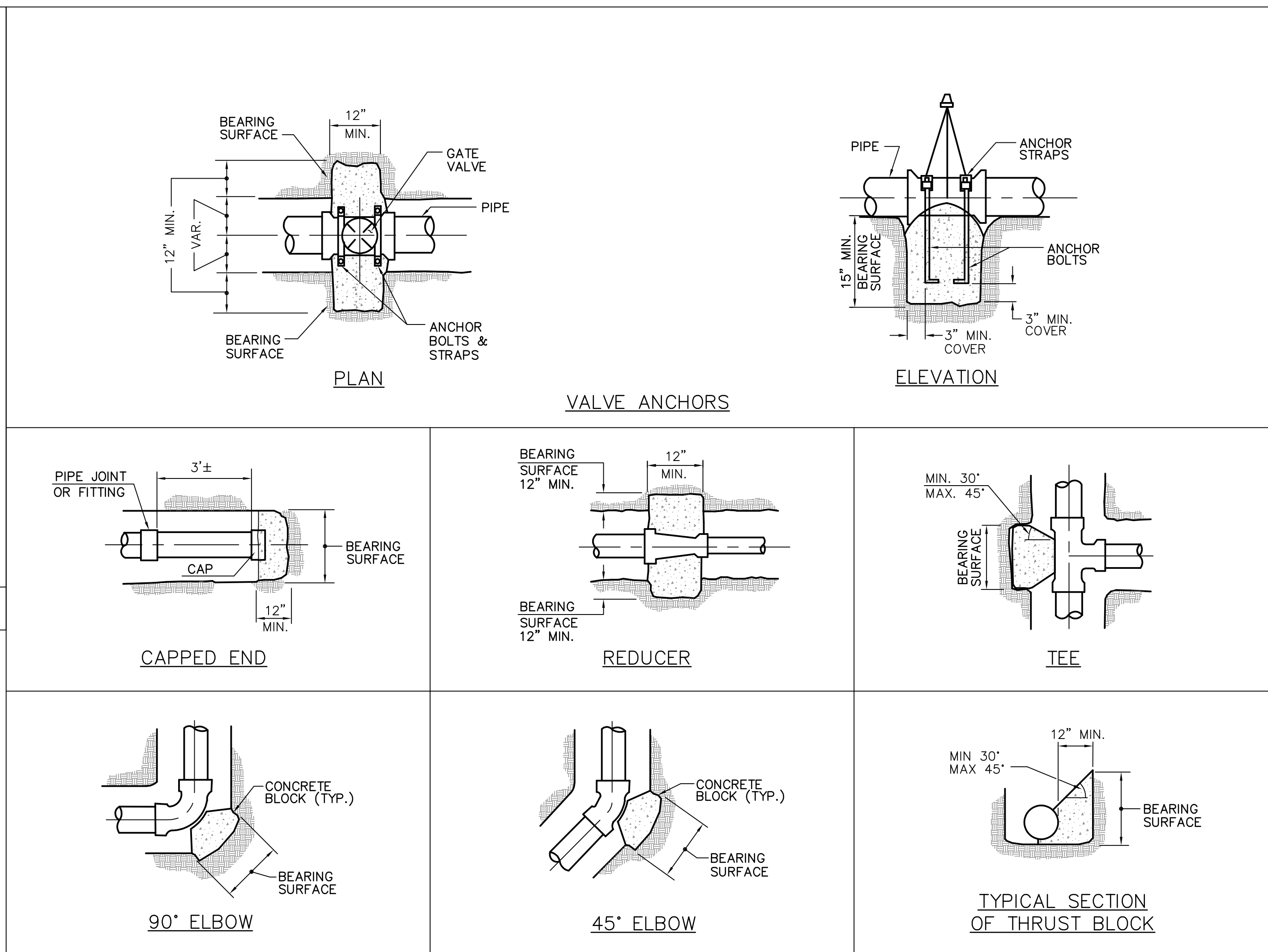
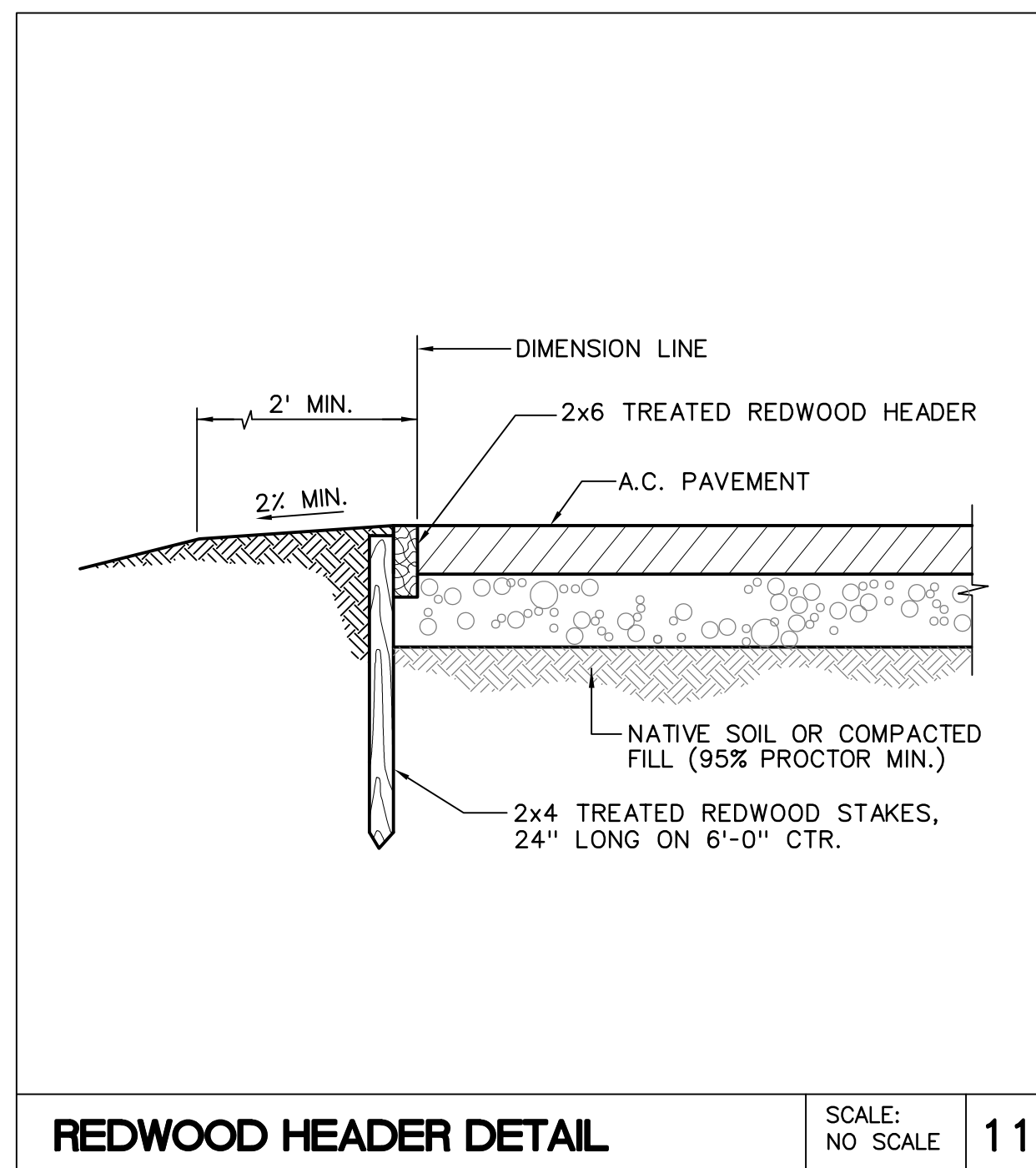


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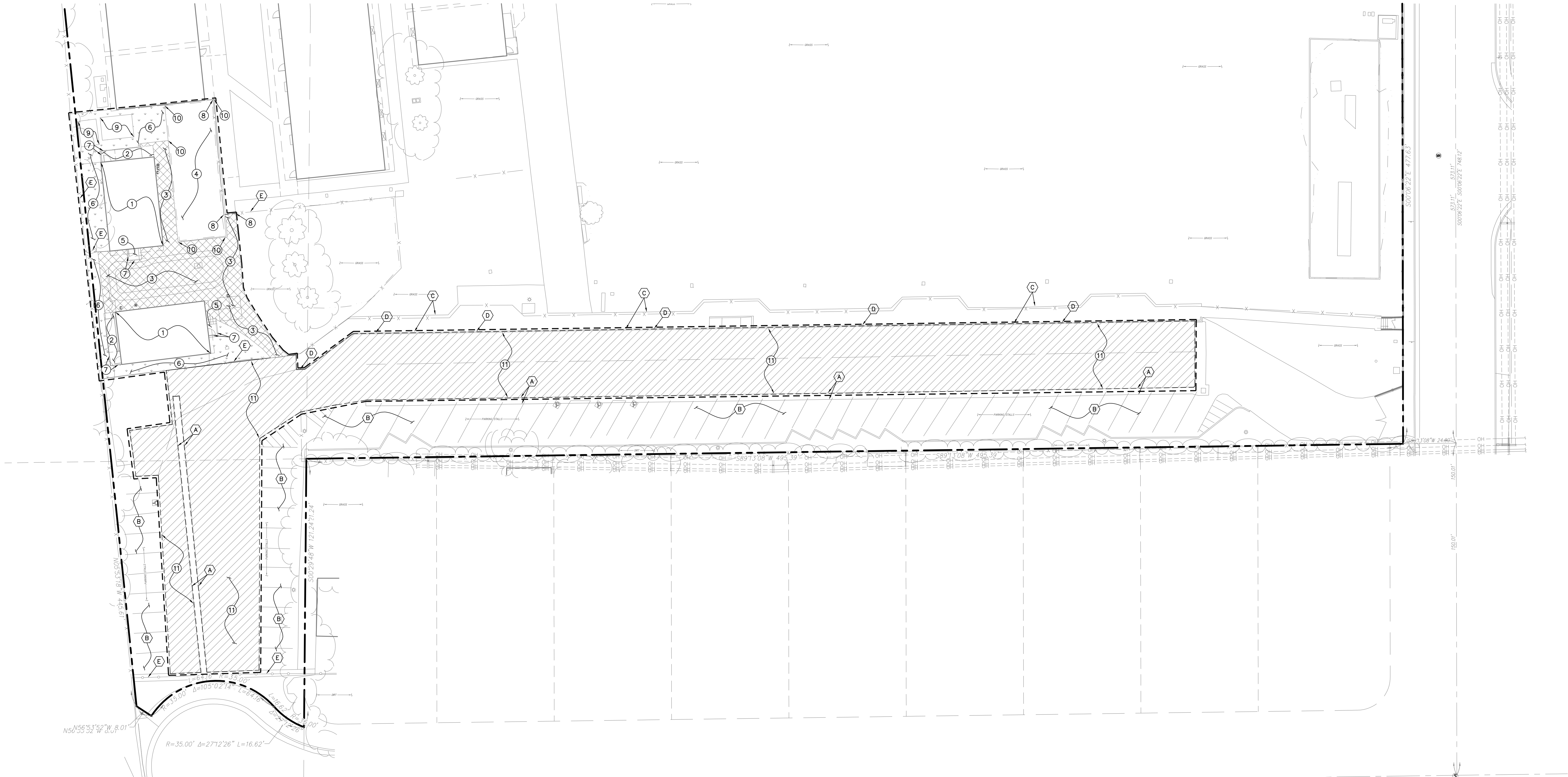
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TITLE SHEET
AND
GENERAL
NOTES



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LEGEND:

- LIMITS OF DEMOLITION
- EXISTING BUILDING
- PROPERTY LINE
- SAWCUT LINE
- REMOVE EXIST. AC PAVEMENT
- REMOVE EXIST. PCC PAVEMENT
- REMOVE EXIST. LANDSCAPE

NOTE:

1. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING DEMOLITION WORK HAVE BEEN APPROVED BY DSA.

DEMOLITION NOTES:

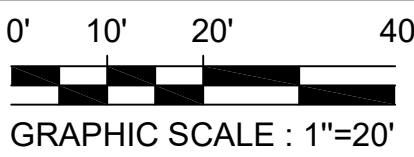
1. REMOVE EXISTING PORTABLE BUILDING. REFER TO ARCHITECTURAL PLANS.
2. REMOVE EXISTING PORTABLE BUILDING RAMP. REFER TO ARCHITECTURAL PLANS.
3. REMOVE EXISTING CONCRETE PAVEMENT AND FULL BASE.
4. REMOVE EXISTING PLAYGROUND EQUIPMENT. REFER TO ARCHITECTURE PLANS.
5. REMOVE EXISTING CONCRETE STAIRS.
6. REMOVE EXISTING LANDSCAPE/DIRT.
7. REMOVE EXISTING HANDRAIL PER ARCHITECTURE PLANS.
8. REMOVE EXISTING FENCE, POST, FOOTING.
9. REMOVE EXISTING STORAGE SHED.
10. REMOVE CURB.
11. REMOVE EXISTING ASPHALT CONCRETE PAVEMENT AND FULL BASE.

SALVAGE NOTES:

- (A) PROTECT EXISTING CONCRETE GUTTER.
- (B) PROTECT EXISTING ASPHALT CONCRETE PAVEMENT.
- (C) PROTECT EXISTING CONCRETE PAVEMENT.
- (D) PROTECT EXISTING CONCRETE CURB.
- (E) PROTECT EXISTING FENCE/GATE.



SITE DEMOLITION PLAN



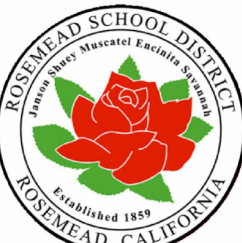
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BRANDON & JOHNSTON
STRUCTURAL-CIVIL ENGINEERS
700 S FLORES ST #100, LOS ANGELES, CA 90017
T: (213) 584-4500
WWW.B&J.CO



MILDRED B. JANSON ELEMENTARY SCHOOL
NEW RELOCATABLES
8628 MARSHALL ST, ROSEMEAD, CA 91770



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SCHOOL DISTRICT
3807 ROSEMEAD BLVD.,
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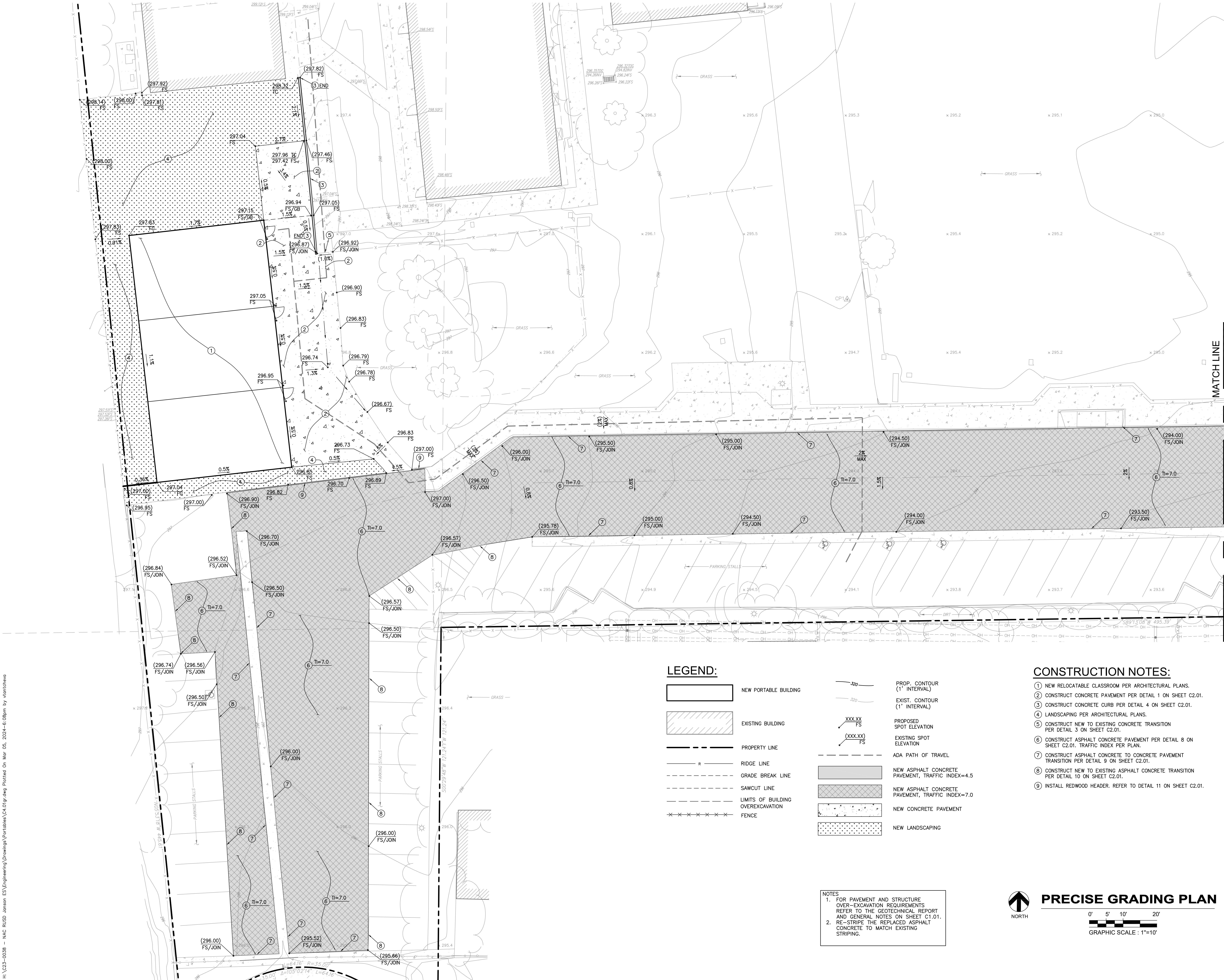
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SITE
DEMOLITION
PLAN

C3.01

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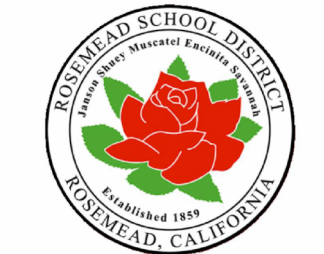


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BRANDON & JOHNSTON
STRUCTURAL-CIVIL ENGINEERS
700 S FLOWER ST #1200, LOS ANGELES, CA 90017
WWW.B&J.CO
T: (213) 598-4500
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MILDRED B. JANSON ELEMENTARY SCHOOL
NEW RELOCATABLES
8628 MARSHALL ST, ROSEMEAD, CA 91770



ROSEMEAD
SCHOOL DISTRICT
3800 ROSEMEAD BLVD.,
ROSEMEAD, CA 91770

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nacarchitecture.com
627 N. Spring Street, Third Floor
Los Angeles, CA 90012-2323
P: 323.475.8075

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PRECISE
GRADING PLAN

C4.01

LEGEND:

- NEW PORTABLE BUILDING
- EXISTING BUILDING
- PROPERTY LINE
- RIDGE LINE
- GRADE BREAK LINE
- SAWCUT LINE
- LIMITS OF BUILDING OVEREXCAVATION
- FENCE

- PROP. CONTOUR (1' INTERVAL)
- EXIST. CONTOUR (1' INTERVAL)
- PROPOSED SPOT ELEVATION
- EXISTING SPOT ELEVATION
- ADA PATH OF TRAVEL
- NEW ASPHALT CONCRETE PAVEMENT, TRAFFIC INDEX=4.5
- NEW ASPHALT CONCRETE PAVEMENT, TRAFFIC INDEX=7.0
- NEW CONCRETE PAVEMENT
- NEW LANDSCAPING

- NOTES
- FOR PAVEMENT AND STRUCTURE OVER-EXCAVATION REQUIREMENTS REFER TO THE GEOTECHNICAL REPORT AND GENERAL NOTES ON SHEET C1.01.
 - RE-STRIPE THE REPLACED ASPHALT CONCRETE TO MATCH EXISTING STRIPING.

CONSTRUCTION NOTES:

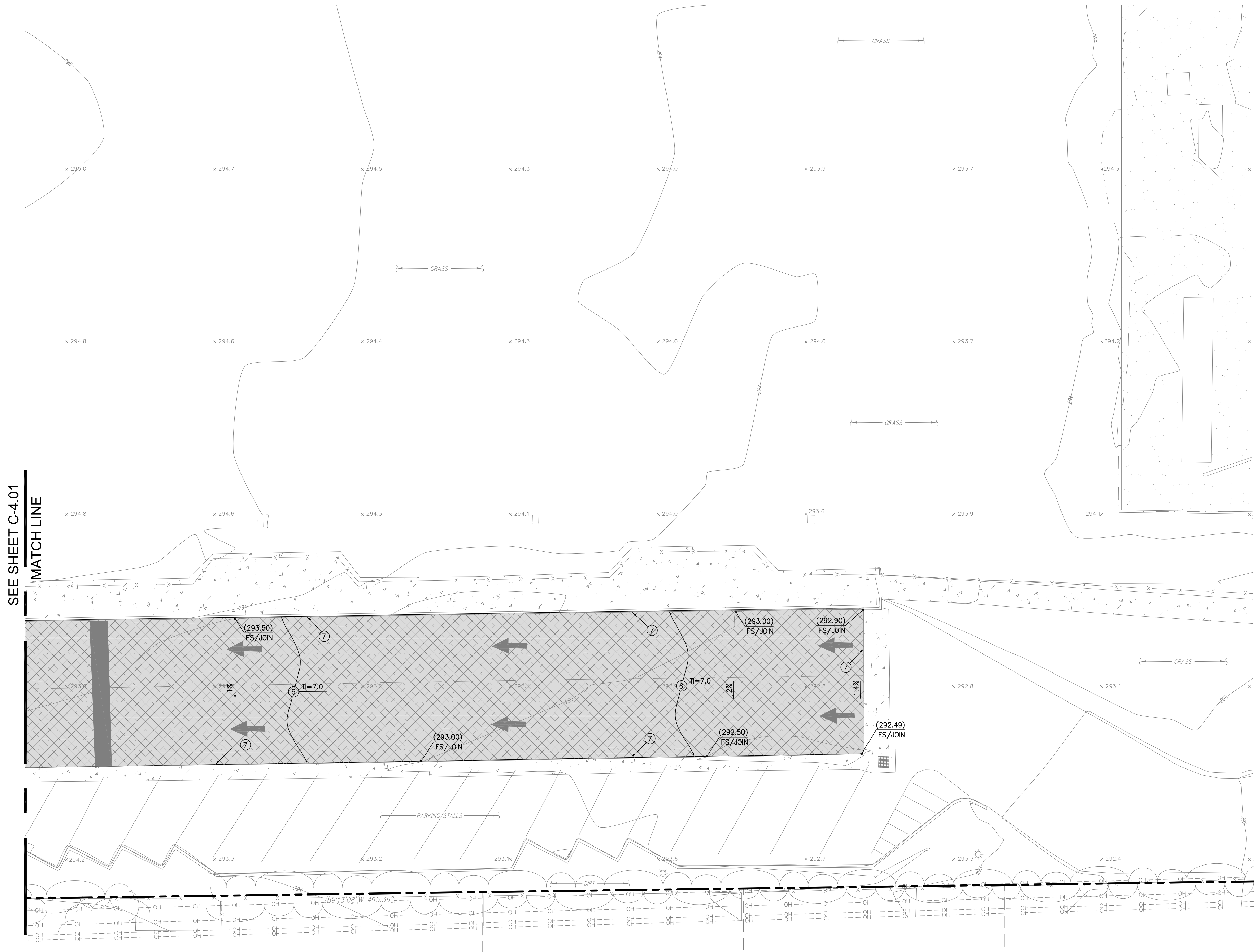
- NEW RELOCATABLE CLASSROOM PER ARCHITECTURAL PLANS.
- CONSTRUCT CONCRETE PAVEMENT PER DETAIL 1 ON SHEET C2.01.
- CONSTRUCT CONCRETE CURB PER DETAIL 4 ON SHEET C2.01.
- LANDSCAPING PER ARCHITECTURAL PLANS.
- CONSTRUCT NEW TO EXISTING CONCRETE TRANSITION PER DETAIL 3 ON SHEET C2.01.
- CONSTRUCT ASPHALT CONCRETE PAVEMENT PER DETAIL 8 ON SHEET C2.01. TRAFFIC INDEX PER PLAN.
- CONSTRUCT ASPHALT CONCRETE TO CONCRETE PAVEMENT TRANSITION PER DETAIL 9 ON SHEET C2.01.
- CONSTRUCT NEW TO EXISTING ASPHALT CONCRETE TRANSITION PER DETAIL 10 ON SHEET C2.01.
- INSTALL REDWOOD HEADER. REFER TO DETAIL 11 ON SHEET C2.01.



PRECISE GRADING PLAN

0' 5' 10' 20'
GRAPHIC SCALE: 1"=10'

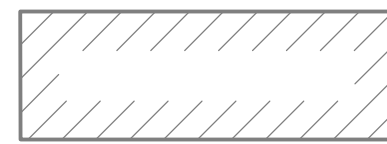
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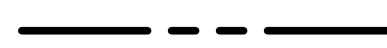
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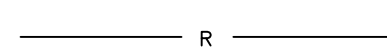
NEW PORTABLE BUILDING



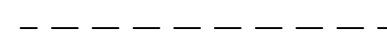
EXISTING BUILDING



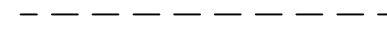
PROPERTY LINE



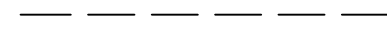
RI DGE LINE



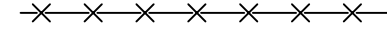
GRADE BREAK LINE



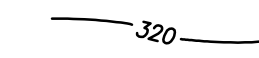
SAWCUT LINE



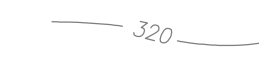
LIMITS OF BUILDING
OVEREXCAVATION



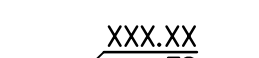
FENCE



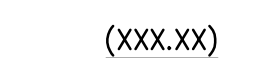
PROP. CONTOUR
(1' INTERVAL)



EXIST. CONTOUR
(1' INTERVAL)



PROPOSED
SPOT ELEVATION



EXISTING SPOT
ELEVATION



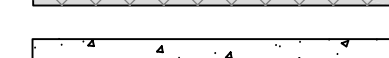
ADA PATH OF TRAVEL



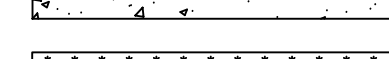
NEW ASPHALT CONCRETE
PAVEMENT, TRAFFIC INDEX=4.5



NEW ASPHALT CONCRETE
PAVEMENT, TRAFFIC INDEX=7.0



NEW CONCRETE PAVEMENT



NEW LANDSCAPING

NOTES

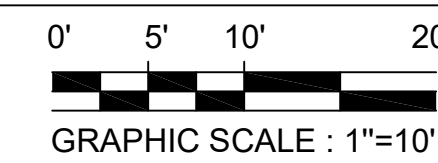
- FOR PAVEMENT AND STRUCTURE OVER-EXCAVATION REQUIREMENTS REFER TO THE GEOTECHNICAL REPORT AND GENERAL NOTES ON SHEET C1.01.
- RE-STRIP THE REPLACED ASPHALT CONCRETE TO MATCH EXISTING STRIPING.

CONSTRUCTION NOTES:

- NEW RELOCATABLE CLASSROOM PER ARCHITECTURAL PLANS.
- CONSTRUCT CONCRETE PAVEMENT PER DETAIL 1 ON SHEET C2.01.
- CONSTRUCT CONCRETE CURB PER DETAIL 4 ON SHEET C2.01.
- LANDSCAPING PER ARCHITECTURAL PLANS.
- CONSTRUCT NEW TO EXISTING CONCRETE TRANSITION PER DETAIL 3 ON SHEET C2.01.
- CONSTRUCT ASPHALT CONCRETE PAVEMENT PER DETAIL 8 ON SHEET C2.01. TRAFFIC INDEX PER PLAN.
- CONSTRUCT ASPHALT CONCRETE TO CONCRETE PAVEMENT TRANSITION PER DETAIL 9 ON SHEET C2.01.
- CONSTRUCT NEW TO EXISTING ASPHALT CONCRETE TRANSITION PER DETAIL 10 ON SHEET C2.01.
- INSTALL REDWOOD HEADER. REFER TO DETAIL 11 ON SHEET C2.01.



PRECISE GRADING PLAN



DP: 04/11/25
FOR BRANDON & JOHNSTON
BRANDON & JOHNSTON
STRUCTURAL-CIVIL ENGINEERS
700 S. FLOWER ST. #1200, LOS ANGELES, CA 90017
WWW.B&JCE.COM
T: (213) 584-4500



MILDRED B. JANSON ELEMENTARY SCHOOL
NEW RELOCATABLES
8628 MARSHALL ST. ROSEMead, CA 91770



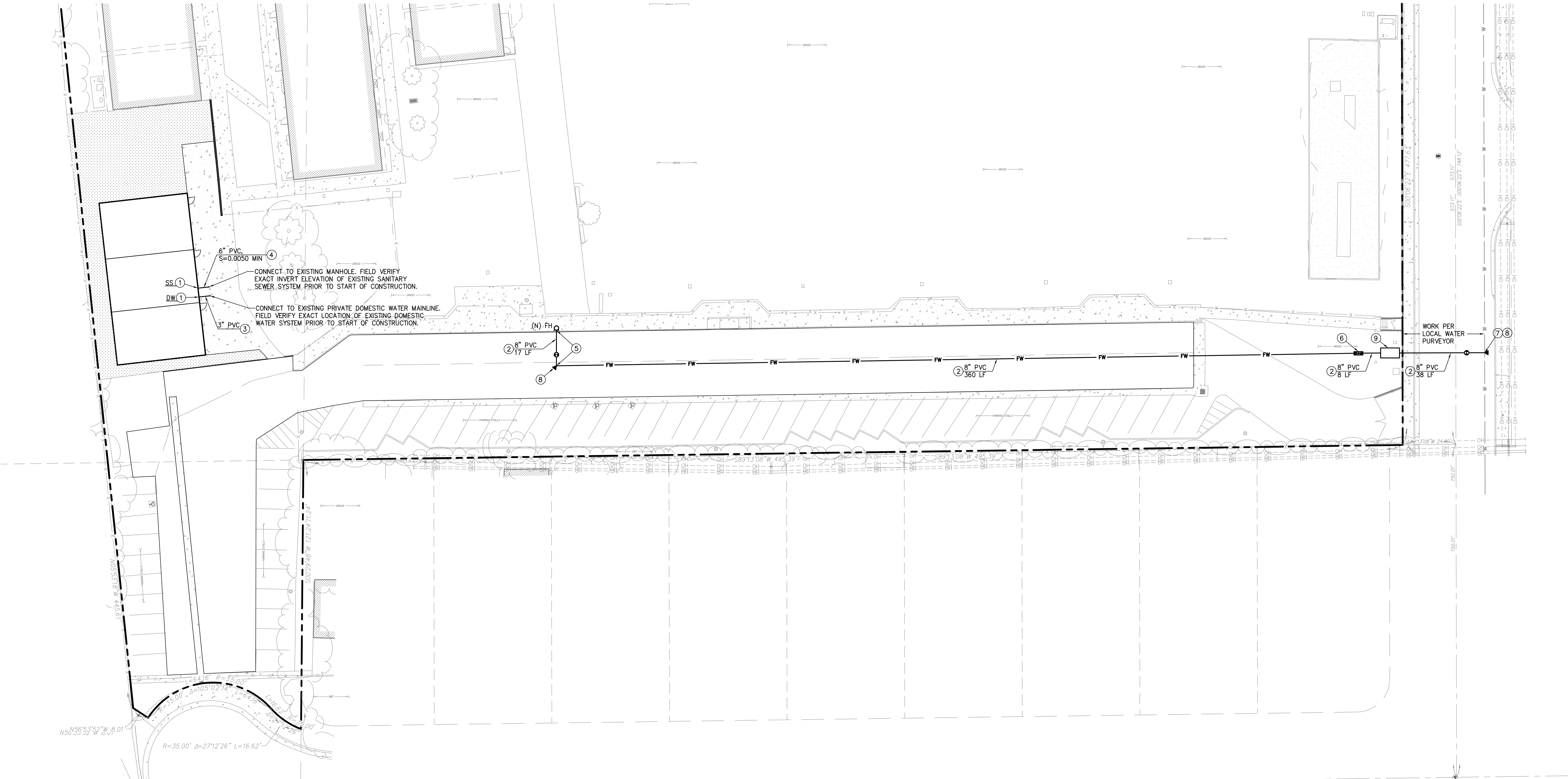
ROSEMead SCHOOL DISTRICT
3807 ROSEMead BLVD.,
ROSEMead, CA 91770

NAC
ARCHITECTURE
nacarchitecture.com
627 N. Spring Street, Third Floor
Los Angeles, CA 90012-2323
P: 323.475.8075

BAJ NO: C23-0038
DRAWN: VT
CHECKED: EM
DATE: 08/30/2023

PRECISE
GRADING PLAN

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LEGEND:

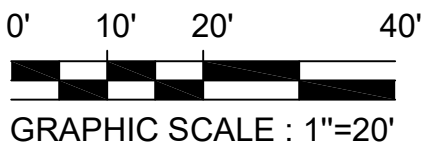
- NEW PORTABLE BUILDING
- EXISTING BUILDING
- PROPERTY LINE
- PROPOSED FIRE WATER LINE
- PROPOSED DOMESTIC WATER LINE
- PROPOSED SANITARY SEWER LINE

UTILITY CONSTRUCTION NOTES:

1. ESTABLISH BUILDING POINT OF CONNECTION, UTILITY PER PLAN. SEE PLUMBING PLANS FOR INTERIOR CONTINUATION.
2. INSTALL PVC FIRE WATER LINE, PER AWWA C-900, CLASS 200 W/D.I. FITTINGS. SIZE & LENGTH PER PLAN. SEE DETAIL 5 ON SHEET C2.01 FOR TRENCH.
3. INSTALL PVC DOMESTIC WATER LINE, PER AWWA C-900, CLAS 200 W/D.I. FITTINGS. SIZE & LENGTH PER PLAN. SEE DETAIL 5 ON SHEET C2.01 FOR TRENCH.
4. INSTALL PVC SCHEDULE 40 SANITARY SEWER PIPE W/ PUSH-ON JOINTS. SIZE, LENGTH, & SLOPE PER PLAN. SEE DETAIL 5 ON SHEET C2.01 FOR TRENCH.
5. INSTALL FIRE HYDRANT AND VALVE ASSEMBLY PER DETAIL 6 ON SHEET C2.01.
6. INSTALL 8" DOUBLE DETECTOR CHECK ASSEMBLY, MODEL ZURN 350ADA OR APPROVED EQUAL.
7. CONNECT TO EXISTING PUBLIC WATER MAIN. COORDINATE DETAILS AND REQUIREMENTS WITH LOCAL WATER PURVEYOR.
8. INSTALL THRUST BLOCK PER DETAIL 7 ON SHEET C2.01.
9. UNDERGROUND WATER METER VAULT TO BE INSTALLED BY THE LOCAL WATER PURVEYOR.



SITE UTILITY PLAN



BRANDON & JOHNSTON
STRUCTURAL/CIVIL ENGINEERS
700 S FLOWER ST #1200, LOS ANGELES, CA 90017
T: (213) 984-4500
WWW.B&JENR.COM
EST. 1945

MILDRED B. JANSON ELEMENTARY SCHOOL
NEW RELOCATABLES
8628 MARSHALL ST, ROSEMEAD, CA 91770



ROSEMEAD SCHOOL DISTRICT
3807 ROSEMEAD BLVD.,
ROSEMEAD, CA 91770

NAC
ARCHITECTURE
nacarchitecture.com
627 N. Spring Street, Third Floor
Los Angeles, CA 90012-2323
P: 323.475.8075

BAJ NO: C23-0038
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DATE: 08/30/2023

SITE UTILITY
PLAN

C5.01

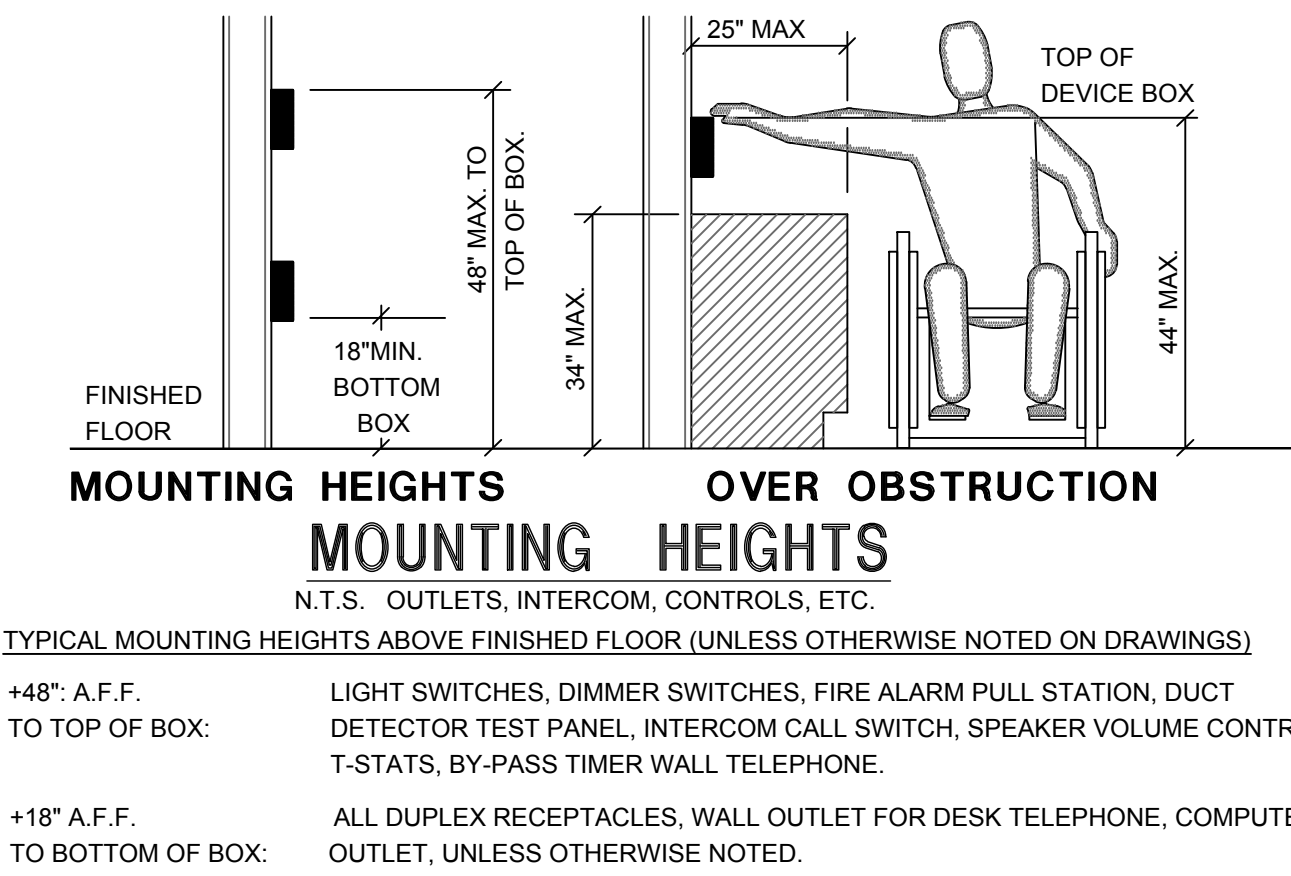
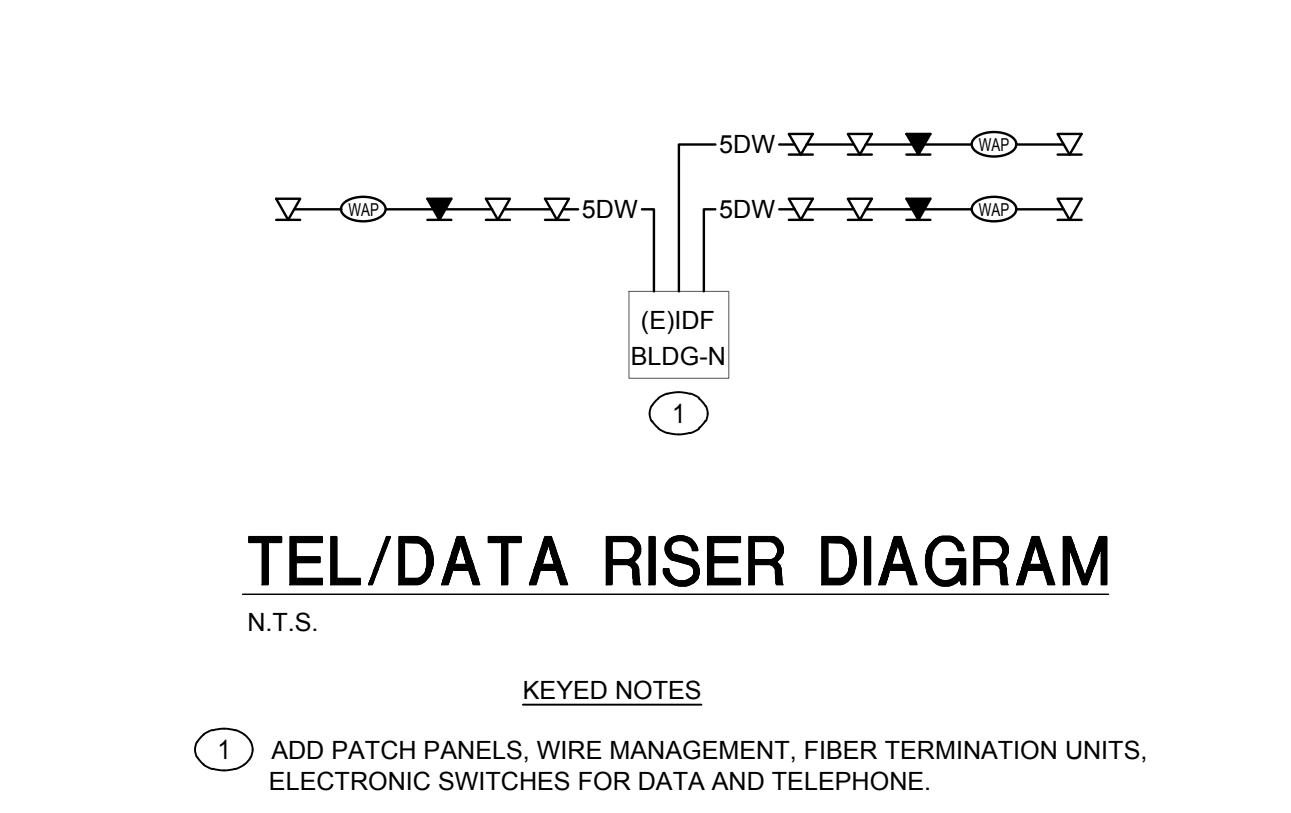
ELECTRICAL SYMBOLS			
	PANEL DESIGNATION, LETTER IDENTIFIES THE PANEL.		
(E)	EXISTING.		
C.O.	CONDUIT ONLY WITH #12 PULL WIRE.	A.F.F.	ABOVE FINISHED FLOOR.
(N)	NEW.		
W.P.	WEATHERPROOF.		
U.O.N.	UNLESS OTHERWISE NOTED.		
IDF	INTERMEDIATE DISTRIBUTION FRAME.		
	TELEPHONE OUTLET, +48" A.F.F.		
	DATA OUTLET (SINGLE).		
	WIRELESS ACCESS POINT.		
	PA SPEAKER. MATCH TO EXISTING.		
	JUNCTION BOX. MOUNT +18" UNLESS NOTED OTHERWISE.		
	JUNCTION BOX. MOUNTED IN ATTIC SPACE OR UNDER CANOPY.		
	DUPLEX RECEPTACLE: 125V., 20 AMP., NEMA 5-20R. +18" A.F.F. TO BOTTOM OF BOX UNLESS OTHERWISE NOTED.		
	CONDUIT: EXPOSED IN UNFINISHED AREAS; CONCEALED ABOVE CEILING OR IN WALL IN FINISHED AREAS.		
	CONDUIT: IN OR BELOW FLOOR OR BELOW GRADE.		
	CONDUIT: EXPOSE IN UNFINISHED AREAS; CONCEALED ABOVE CEILING OR IN WALL IN FINISH AREAS.		
	LIGHTING PANEL.		
A.I.C.	AMPERE INTERRUPTING CURRENT.		
	DISTRIBUTION BOARD.		

COMPUTER DATA/TELEPHONE CABLE CONDUIT SCHEDULE	
1DW TO 3DW -	3/4" CONDUIT.
4DW TO 6DW -	1" CONDUIT.
7DW TO 10DW -	1-1/2" CONDUIT.
11DW TO 14DW -	1-1/2" CONDUIT.

PA SPEAKER CABLE CONDUIT SCHEDULE	
—1A—	3/4"C. WITH ONE "A" CABLE.

CABLE TYPE

"A" CABLE - PA INDOOR SPEAKER CABLE WEST PENN #356.
"AW" CABLE - PA INDOOR SPEAKER CABLE WEST PENN #356, WET LOCATION TYPE.
"DW" CABLE - #24 AWG 4-PAIR CAT-6 COMPUTER DATA/TELEPHONE (WET LOCATION).



- ## GENERAL NOTES
- 1) THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 780 OF THE CALIFORNIA ELECTRICAL CODE, CURRENT CALIFORNIA TITLE 24 REQUIREMENTS, CALIFORNIA FIRE CODE, NFPA 72 AND 101 STANDARDS, AMERICAN WITH DISABILITY ACT (ADA) REQUIREMENTS.
 - 2) ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE(S), OR ANY RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF AUSD ARCHITECT/ENGINEER OF RECORD PRIOR TO COMMENCING ANY WORK.
 - 3) CONSULT WITH THE DISTRICT'S ELECTRICAL INSPECTOR BEFORE STARTING WORK.
 - 4) ALL EXPOSED CONDUITS AND BOXES SHALL BE PAINTED TO MATCH THE SURFACES WHERE INSTALLED.
 - 5) WHERE EXISTING STRUCTURAL WALLS ARE CORED FOR NEW CONDUIT RUNS, SEPARATION BETWEEN CORED HOLES SHALL BE THREE INCHES FROM NEW OR EXISTING HOLES, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
 - 6) THE REPRESENTATION OF PHYSICAL PLACEMENT OF EXISTING CONDUITS HAS BEEN DEVELOPED FROM THE BEST INFORMATION AVAILABLE TO THE DISTRICT AT THE TIME THE DRAWINGS WERE PREPARED. THE DISTRICT PROVIDES THIS ONLY AS A GENERAL GUIDELINE FOR THE CONVENIENCE OF BIDDERS/CONTRACTORS AND DOES NOT GUARANTEE OR WARRANT IN ANY WAY EXPRESSLY OR IMPLIEDLY, THE ACCURACY OF THESE REPRESENTATIONS. NOTHING IN THIS DISCLAIMER AFFECTS IN ANY WAY THE DUTY OF THE CONTRACTOR TO FURNISH ACCURATE "AS BUILT" DRAWINGS AFTER THE COMPLETION OF THE CONTRACT.
 - 7) IN EXISTING BUILDINGS, CONTRACTORS SHALL NOT WORK IN AREAS CONTAMINATED BY MATERIALS MADE OF ASBESTOS UNTIL THE ASBESTOS MATERIALS HAVE BEEN REMOVED OR ENCAPSULATED.
 - 8) REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND EQUIPMENT AND MATERIAL APPROVED FOR USE UNDER THIS CONTRACT.
 - 9) EXISTING FIRE ALARM SYSTEM AND SECURITY SYSTEM MUST REMAIN IN OPERATION UNTIL NEW SYSTEM IS COMPLETE, APPROVED AND OPERATIONAL.
 - 10) QUANTITY OF WIRES SHOWN IN ALL CONDUITS IS FOR GENERAL GUIDELINE. SUPPLIER OF AUXILIARY SYSTEM (FA, TEL, SECURITY) SHALL PREPARE CONSTRUCTION DRAWINGS SHOWING ALL NECESSARY WIRES AND CABLES AND VERIFY SIZES OF ALL CONDUITS SHOWN. PROVIDE ALL SPARE WIRES BETWEEN DRAWINGS DO NOT SHOW ALL THE NECESSARY J-BOXES AND PULL BOXES WHICH WILL BE REQUIRED THROUGHOUT.
 - 11) IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL THESE BOXES AS NECESSARY TO TERMINATE CONDUITS AND RACEWAYS. PAINT BOXES TO MATCH COLOR OF THE FINISHED SURFACE THAT THE BOXES ARE ATTACHED BUILDINGS.
 - 12) ALL JUNCTION BOXES AND DEVICES INDICATED ON BUILDING EXTERIORS SHALL BE WEATHERPROOF TYPE.
 - 13) ALL SIGNAL WIRING IN UNDERGROUND CONDUITS SHALL BE WET LOCATION TYPE.
 - 14) COORDINATION:
A. THE GENERAL CONTRACTOR SHALL COORDINATE LAYOUT DIMENSIONS INDICATED ON ELECTRICAL. ALL DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER BEFORE BID TIME, OR BEFORE PROCEEDING WITH THE WORK.
B. IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS SIMILAR CONDITIONS THAT ARE SHOWN.
C. THE CONTRACTOR SHALL VERIFY ALL ELECTRICAL, COMMUNICATION AND SECURITY REQUIREMENTS BEFORE CONSTRUCTION BEGINS.
 - 15) ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED ON THE SITE BY GENERAL CONTRACTOR, AND EACH SUB-CONTRACTOR BEFORE THE WORK BEGINS. ERRORS, OMISSIONS AND DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION BEFORE CONSTRUCTION BEGINS.
 - 16) THE ENGINEER HAS PREPARED THESE DOCUMENTS ONLY FOR IMPROVEMENTS SPECIFIED, DETAILED OR SHOWN AS NEW WORK, AND ASSUMES NO RESPONSIBILITY FOR OTHER CONSTRUCTION, MATERIAL OR EQUIPMENT NOTED AS "EXISTING" OR AS "PROVIDED BY OTHERS".
 - 17) JUNCTION BOXES SHALL NOT CONTAIN SPLICES. CONDUCTORS SHALL BE PULLED THROUGH. TERMINATIONS SHALL BE PERFORMED.
 - 18) IF USE OF WIREMOLD IS DESIRED, CONTRACTOR SHALL OBTAIN A LETTER FROM AOR AUTHORIZING USE OF WIREMOLD PRIOR TO INSTALLATION.
 - 19) DRAWINGS ARE BASED ON AVAILABLE AS-BUILT PLANS AND FIELD OBSERVATIONS. NOTIFY THE AUTHORIZED OWNER REPRESENTATIVE (AOR) IMMEDIATELY WHEREVER (E) CONDITIONS ENCOUNTERED DEVIATE FROM THESE DRAWINGS AND EXISTING EQUIPMENT MUST BE RELOCATED DUE TO NEW CONSTRUCTION EFFORTS.
 - 20) PROVIDE GROUND BUSHING ON NEW AND EXISTING PULLBOXES.
 - 21) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MAINTAIN CONTINUITY OF THE EXISTING FIRE ALARM SYSTEM, CENTRAL STATION REPORTING SYSTEM, SMOKE MANAGEMENT SYSTEM, AND ANY OTHER LIFE SAFETY EQUIPMENT EXISTING AT THE SITE AND AFFECTED BY HIS WORK ON THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIRE WATCH OR OTHER MITIGATING MEASURES FOR SYSTEMS THAT ARE MADE INACTIVE OR OTHERWISE COMPROMISED AS A RESULT OF THE WORK PERFORMED BY THAT CONTRACTOR.
 - 22) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE TYPE OF CEILING CONSTRUCTION AND TO PROVIDE THE PROPER TYPE OF BOX MOUNTING AND SUPPORT FOR FIRE ALARM INITIATION DEVICES.
 - 23) ANY DAMAGE CAUSED BY DEMOLITION OPERATIONS TO ADJACENT FACILITIES SHALL BE PROMPTLY REPAIRED AT NO ADDITIONAL COST TO THE OWNER. ALL ITEMS MOVED OR TEMPORARILY DISASSEMBLED SHALL BE REPLACED OR REASSEMBLED TO AT LEAST THE CONDITION IN LIKE QUALITY PRIOR TO REMOVAL OR DISASSEMBLY.
 - 24) THE COLOR CODE FOR WIRE INSULATION IN THE LOW VOLTAGE SPECIFICATIONS SHOULD BE FOLLOWED.
 - 25) SEAL ALL SPACE AROUND CONDUIT PENETRATION THROUGH FIRE RATED WALL WITH A UL LISTED FIRE BARRIER COMPOUND "3M" CAULKING OR EQUAL.

CODES, STANDARDS & GUIDES

LIST OF APPLICABLE CODES
2022 California Administrative Code (CAC), Part 1, Title 24 CCR
2022 California Building Code (CBC), Part 2, Title 24 CCR
2022 California Electrical Code (CEC), Part 3, Title 24 CCR
2022 California Mechanical Code (CMC), Part 4, Title 24 CCR
2022 California Plumbing Code (CPC), Part 5, Title 24 CCR
2022 California Energy Code, Part 6, Title 24 CCR
2022 California Fire Code (CFC), Part 9, Title 24 CCR
2022 California Existing Building Code (CEBC), Part 10, Title 24 CCR
2022 California Green Building Standards Code (CALGreen), Part 11, Title 24 CCR
2022 California Referenced Standards Code, Part 12, Title 24 CCR
Title 19 CCR, Public Safety, State Fire Marshal Regulations
2010 ADA Standards for Accessible Design

APPLICABLE STANDARDS
For a list of applicable standards, including California amendments to the NFPA Standards, refer to CBC Chapter 35 and CFC Chapter 80.

Applicable Code: 2022 CBC
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.
1. All permanent equipment and components.
2. Temporary, movable or mobile equipment that is permanently attached (e.g., hard wired) to the building utility services such as electricity, gas or water. "Permanently attached" shall include all electrical connections except plugs for 110/220 volt receptacles having a flexible cable.
3. Temporary, movable or mobile equipment which is heavier than 400 pounds or has a center of mass located 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:
A. Components weighing less than 400 pounds and having a center of mass located 4 feet or less above the adjacent floor or roof level that directly support the component.
B. Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof or floor or hung from a wall.
The anchorage of all mechanical, electrical and plumbing components shall be subject to the approval of the design professional in general responsible charge or structural engineer delegated responsibility and acceptance by DSA. The project inspector will verify that all components and equipment have been anchored in accordance with the above requirements.

Applicable Code: 2022 CBC
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 Sections 13.6.5, 13.6.6, 13.6.7, 13.6.8, and 2022 CBC, Sections 1617A.1.24, 1617A.1.25 and 1617A.1.26.
The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When bracing and attachments are based on a preapproved installation guide (e.g., HCAI OPM 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 Systems (E):
MP □ MD □ PP □ E □ Option 1: Detailed on the approved drawings with project specific notes and details.
MP □ MD □ PP □ E □ Option 2: Shall comply with HCAI Preapproval (OPM #) # _____.

MILDRED B. JANSON ELEMENTARY SCHOOL
NEW RELOCATABLES
8628 MARSHALL ST. ROSEMEAD, CA 91770



ROSEMEAD
SCHOOL DISTRICT
3801 ROSEMEAD BLVD.,
ROSEMEAD, CA 91770

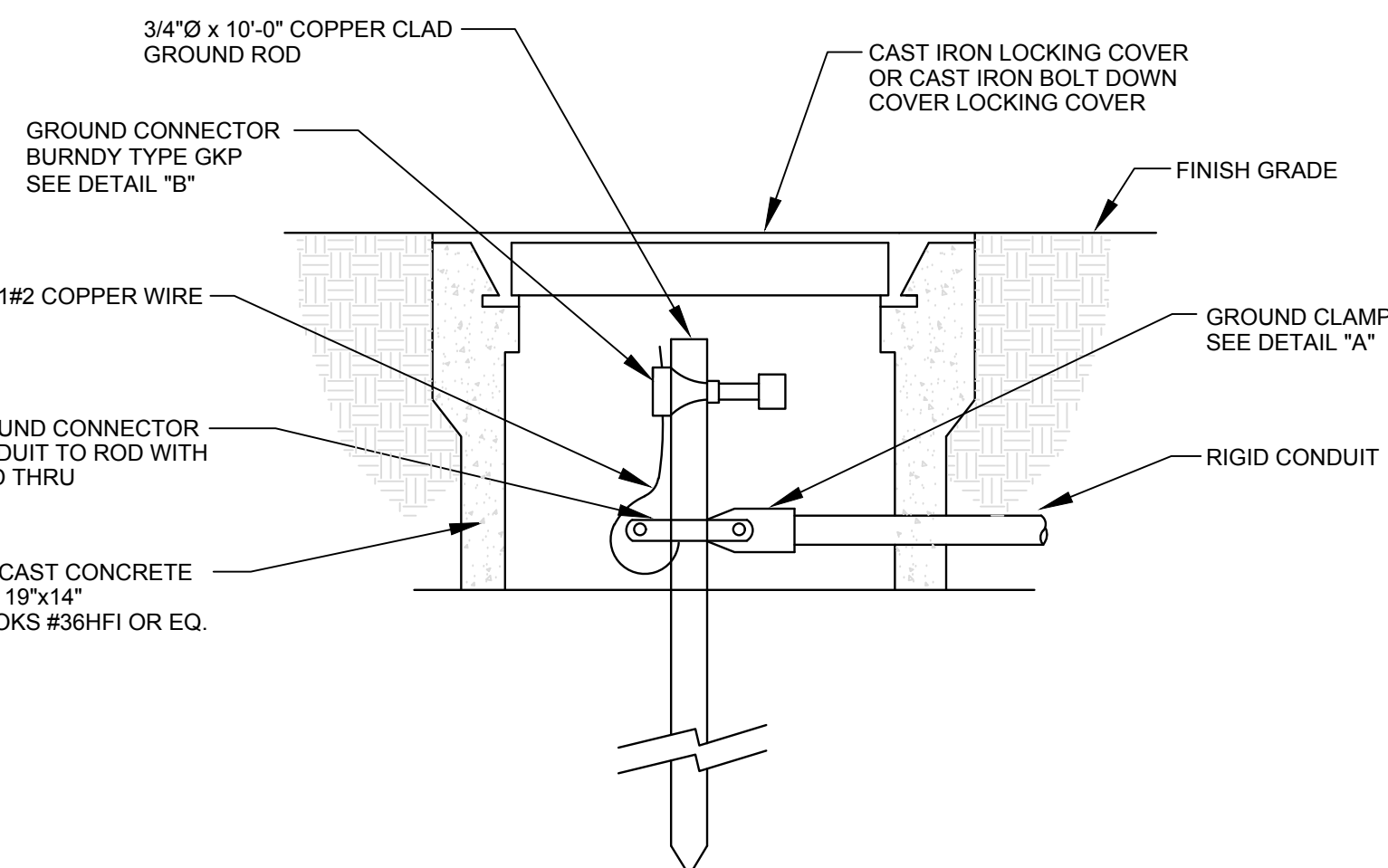
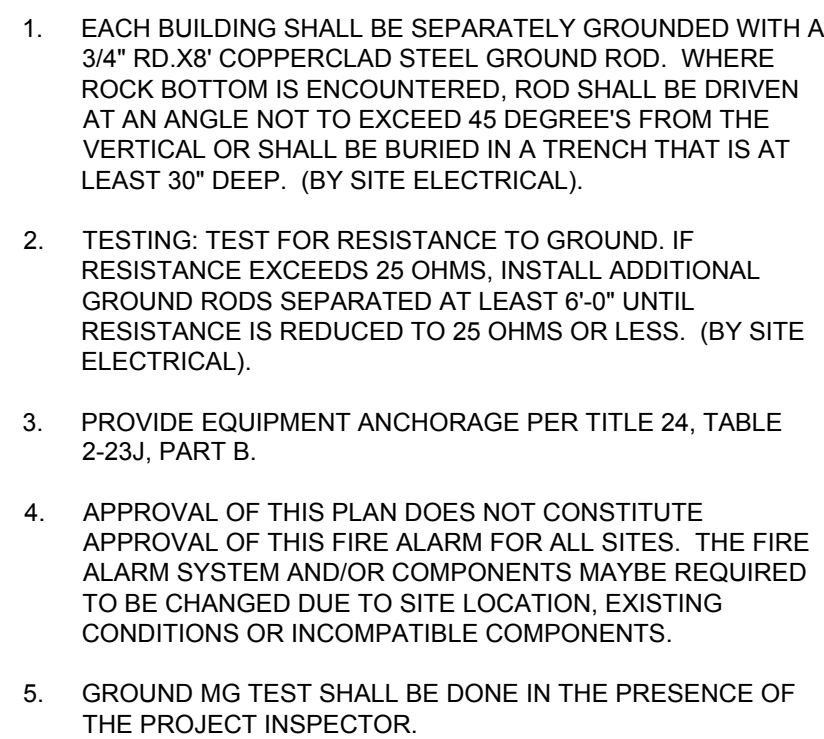
NAC
ARCHITECTURE
nacarchitecture.com
827 N. Spring Street, Third Floor
Los Angeles, CA 90012-2323
P 323.475.8075

NAC NO 161-23078
DRAWN HY
CHECKED AF
DATE 08/30/2023

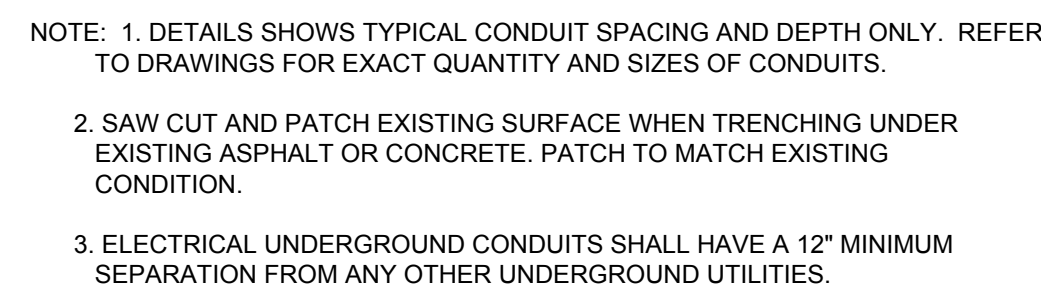
**SYMBOL LIST
AND NOTES**

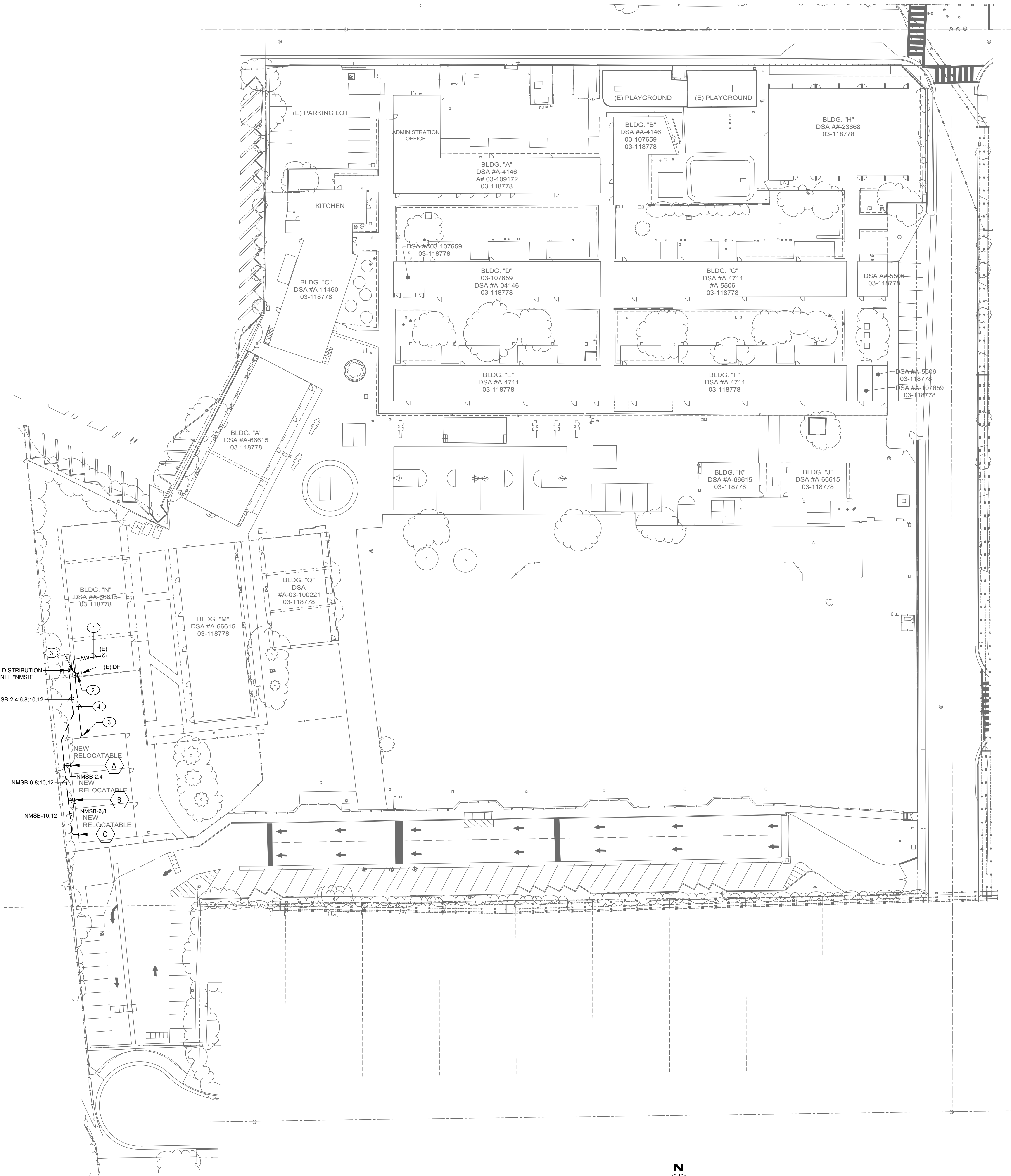
PACIFIC ENGINEERS GROUP
Consulting MEPF Engineers
1106 W. Magnolia Blvd., Suite A
Burbank, CA 91506
(818) 859-7081 Y23-266
info@pacificeng.net

E-001

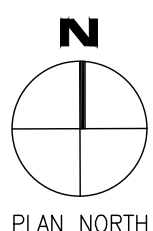


THE ELECTRICAL ENGINEER WHOSE SIGNATURE IS ON THIS SET OF DRAWINGS HAS REVIEWED THE EXISTING ELECTRICAL POWER SYSTEM AND HAS DETERMINED THAT THERE IS ENOUGH CAPACITY TO HANDLE THE NEW BUILDINGS WITH CONNECTION METHOD AS SHOWN.





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



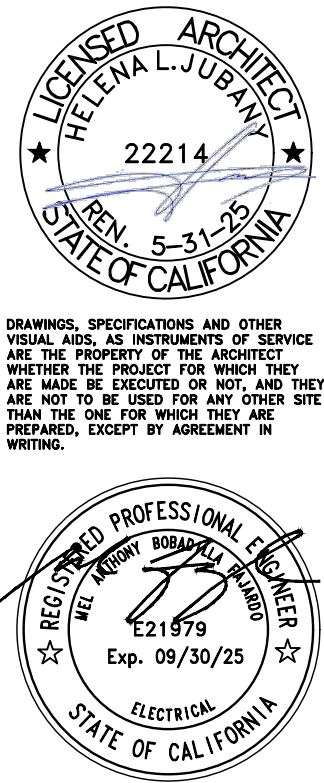
- KEYED NOTES
- 3/4" C, (1)AW, CONNECT TO EXISTING PA SPEAKER.
 - 1-1/2" C, (15)DW (DATA/TEL).
 - WEATHERPROOF SIGNAL PULLBOX 18"x18"x6" DEEP, MOUNT HIGH ON WALL.
 - 2" C, (1)AW, (15)DW (PA/DATA/TEL).

EXCAVATION NOTES

CONTRACTOR SHALL FIELD VERIFY UNDERGROUND UTILITIES PRIOR TO WORK (ELECTRICAL CONDUITS, SEWER LINES, WATER LINES, PLUMBING, ETC.). CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND ROUTING OF NEW TRENCHING IN AREAS OF EXISTING UNDERGROUND LINES. CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL EXISTING LINES WHERE NEW TRENCHING OCCURS BY USING ELECTRONIC LOCATING DEVICES, DIG ALERT SERVICES, ETC. CONTRACTOR SHALL INCLUDE THE COST OF LOCATING THE EXISTING UNDERGROUND LINES IN THE BID. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO EXISTING LINES.

TRENCHING FOR NEW UNDERGROUND CONDUITS IN AREAS WHERE EXISTING UNDERGROUND LINES ARE PRESENT SHALL BE EXCAVATED BY HAND AND WITH EXTREME CAUTION. UNDERGROUND POWER AND SIGNAL PULLBOXES WHERE SHOWN ON THE SITE PLAN DETERMINED TO BE IN CONFLICT WITH EXISTING UNDERGROUND LINES AFTER EXCAVATION BY HAND SHALL BE RELOCATED TO A POSITION AS CLOSE AS POSSIBLE TO THE LOCATION SHOWN ON THE DRAWINGS.

FILE No.: 19-91 A#: 03-123590
Revisions



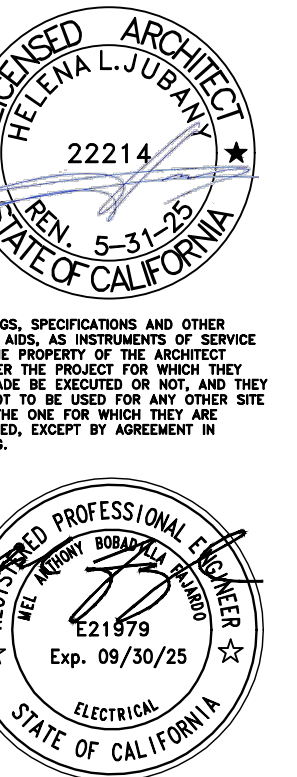
MILDRED B. JANSON ELEMENTARY SCHOOL
NEW RELOCATABLES
8628 MARSHALL ST. ROSEMEAD, CA 91770



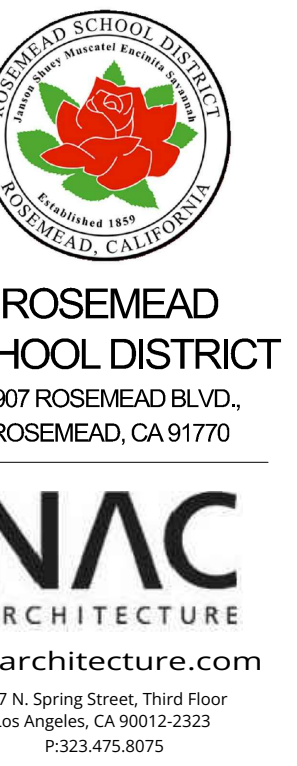
NAC NO 161-23078
DRAWN HY
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ELECTRICAL SITE PLAN

PACIFIC ENGINEERS GROUP
Consulting MEPF Engineers
1106 W. Magnolia Blvd., Suite A
Burbank, CA 91506
(818) 859-7081 Y23-266
info@pacificeng.net



MILDRED B. JANSON ELEMENTARY SCHOOL
NEW RELOCATABLES
8628 MARSHALL ST. ROSEMEAD, CA 91770



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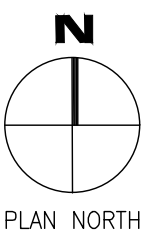
RELOCATABLE
SIGNAL PLAN

E-201

KEYED NOTES

- 1 RUN SIGNAL CABLES EXPOSED IN CEILING SPACE WITH J-HOOK CABLE SUPPORT AT 4 FEET ON CENTER.
- 2 WEATHERPROOF PULLBOX 18"x18"x6"DEEP, MOUNT HIGH ON WALL.

RELOCATABLE SIGNAL PLAN
SCALE: 1/8"=1'-0"



PACIFIC ENGINEERS GROUP
Consulting MEPF Engineers
1106 W. Magnolia Blvd., Suite A
Burbank, CA 91506
(818) 859-7081 Y23-266
info@pacificeng.net

FIRE ALARM SYMBOL LIST

CANDELA RATING	(BS)	CEILING MOUNTED SPEAKER/STROBE. CANDELA RATING AS INDICATED WITH 1 WATT SPEAKER TAPPED.
A1-1	111	
V2-1	156d	FIRE ALARM STROBE. MOUNT AT +96" TO TOP OF STROBE. CANDELA RATING AS INDICATED.
156d		"V2-1" DENOTES FIRE ALARM SIGNAL CIRCUIT NUMBER. "156d" DENOTES 156d CANDELA RATING.
S1-1		ADDRESSABLE SMOKE DETECTOR, PHOTOELECTRIC TYPE. "S1-1" DENOTES LOOP DETECTOR IDENTIFICATION NUMBER.
		HEAT DETECTOR IN CEILING SPACE ABOVE T-BAR CEILING.
FATC		FIRE ALARM TERMINAL CABINET WITH TERMINAL STRIPS. 12"x12"x5" DEEP.
MFACP		MAIN FIRE ALARM CONTROL PANEL.
FA		FIRE ALARM.
FAPS		FIRE ALARM POWER SUPPLY.
VOICE EVAC		VOICE EVACUATION PANEL.
MFATC		MAIN FIRE ALARM TERMINAL CABINET WITH TERMINAL STRIPS 24"x24"x6"DEEP.
(E)		EXISTING TO REMAIN.
W.P.	EOL	WEATHERPROOF. END OF LINE RESISTOR.
FA ANNUN	PB	FIRE ALARM ANNUNCIATOR PANEL. PULLBOX, WEATHERPROOF.
RA	SLC	REMOTE AMPLIFIER. SIGNALLING LINE CIRCUIT.
(XR)		DISCONNECT AND REMOVE EXISTING DEVICES. DEMOLISH EXISTING ASSOCIATED WIRES/CABLES.

FIRE ALARM CABLE AND WIRING

"F" CABLE -	"WEST PENN" NO. D980, 1 PAIR #18 NON-SHIELDED - FIRE ALARM ADDRESSABLE LOOP.
"F"W" CABLE -	"WEST PENN" NO. AOC225, 1 PAIR #18 NON-SHIELDED - FIRE ALARM ADDRESSABLE LOOP (UNDERGROUND).
"A" CABLE -	2#14 TWISTED PAIR, AUDIO CABLE (SPEAKER).
"AW" CABLE -	2#14 TWISTED PAIR, AUDIO CABLE WET LOCATION (AUDIO).
"V" CABLE -	2#12 AWG-FIRE ALARM VISUAL CIRCUIT CABLE.
F.A.V	34"C, WITH ONE "F" CABLE, ONE "A" CABLE AND ONE "V" CABLE.
F.A.V	
F	34" CONDUIT WITH ONE "F" CABLE.
2F	34" CONDUIT WITH TWO "F" CABLES.
V	34" CONDUIT WITH ONE "V" CABLE.
2V	34" CONDUIT WITH TWO "V" CABLES.
A	34" CONDUIT WITH ONE "A" CABLE.
2A	34" CONDUIT WITH TWO "A" CABLES.
AW	34" CONDUIT WITH ONE "AW" CABLE.
2AW	34" CONDUIT WITH TWO "AW" CABLES.
2F,2A,2V	1-1/2" CONDUIT WITH TWO "F", TWO "A", TWO "V" CABLES.
2A,2V	1" CONDUIT WITH TWO "A", TWO "V" CABLES.
F,A,2V	1" CONDUIT WITH ONE "F", ONE "A", TWO "V" CABLES.

GENERAL FIRE ALARM NOTES

- THE SYSTEM SHALL CONFORM TO CALIFORNIA CODE OF REGULATIONS (CCR) TITLES 19 & 24 AS APPLICABLE TO THIS PROJECT.
- UPON COMPLETION OF SYSTEM INSTALLATION, THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF AND IN A MANNER ACCEPTABLE TO DSAIOR, CONTRACTOR TO SUPPLY NECESSARY TESTING EQUIPMENT INCLUDING A "DECIMETER" TO CHECK ACCEPTABLE NOISE LEVELS OF AUDIBLE DEVICES, PROVIDE TEST RESULTS PER NFPA 72 TO ARCHITECT, DSA, INSPECTOR OF RECORD, OWNER AND TO THE LOCAL FIRE AUTHORITY.
- PENETRATIONS OF ALL FIRE-RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH THE CALIFORNIA BUILDING CODE, PART 2. PROVIDE DETAILS AND DESIGN NUMBERS.
- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENTS (CCD) APPROVED BY THE OFFICE OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
- A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE OFFICE 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.
- AUTOMATIC VOICE EVACUATION FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY THE ARTICLE 91. THE SUPERVISING STATION SHALL BE LISTED AS EITHER ULFPA OR ULUS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011.
- LOCATION AND PLACEMENT OF FIRE ALARM DEVICES ARE NOT TO BE CONSIDERED DIAGRAMMATIC IN NATURE. ANY CHANGE IN THE LOCATION OR PLACEMENT OF BOTH DETECTION AND NOTIFICATION DEVICES MUST BE REVIEWED AND APPROVED BY DSA FLS. FINAL APPROVAL OF DEVICE PLACEMENT IS SUBJECT TO FIELD VERIFICATION OF CODE COMPLIANCE.
- ALL WIRING, INITIATING DEVICES AND ANNUNCIATOR PANEL SHALL BE SUPERVISED TO THE PRINCIPAL POINT OF ANNUNCIATION.
- ALL TERMINATIONS IN TERMINAL CABINETS SHALL BE ON TERMINAL BLOCKS.
- "THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRICAL CODE, CURRENT CALIFORNIA TITLE 24 REQUIREMENTS, CALIFORNIA FIRE CODE, NFPA 72 AND 101 STANDARDS, AMERICAN WITH DISABILITY ACT (ADA) REQUIREMENTS."
- AT LEAST ONE TERMINATION CABINET IN EACH BUILDING FOR TERMINATION OF ALL FIRE ALARM WIRING. PROVIDE A MAIN TERMINAL CABINET IN MAIN BUILDING FOR ROUTING ALL FIRE ALARM SYSTEM WIRING FOR ENTIRE SCHOOL.
- "CONTRACTOR SHALL INSTALL AND FURNISH A COMPLETE ADDRESSABLE FIRE ALARM VOICE EVACUATION SYSTEM, INCLUDING BUT NOT LIMITED TO WIRING, CONDUITS AND DEVICES REQUIRED FOR SATISFACTORY OPERATION OF SYSTEM."
- ALL EXPOSED CONDUITS AND BOXES WITH THE EXCEPTION OF THOSE IN UNOCCUPIED AREAS LIKE JANITOR OR UTILITY ROOMS, SHALL BE PAINTED TO MATCH THE SURFACES WHERE INSTALLED.
- THE REPRESENTATION OF PHYSICAL PLACEMENT OF EXISTING CONDUITS HAS BEEN DEVELOPED FROM THE BEST INFORMATION AVAILABLE TO THE DISTRICT AT THE TIME THE DRAWINGS WERE PREPARED. THE DISTRICT PROVIDES THIS ONLY AS A GENERAL GUIDELINE FOR THE CONVENIENCE OF BIDDERS/CONTRACTORS AND DOES NOT GUARANTEE OR WARRANT IN ANY WAY EXPRESSLY OR IMPLICITLY, THE ACCURACY OF THESE REPRESENTATIONS. NOTHING IN THIS DISCLAIMER AFFECTS IN ANY WAY THE DUTY OF THE CONTRACTOR TO FURNISH ACCURATE "AS BUILT" DRAWINGS AFTER THE COMPLETION OF THE CONTRACT.
- IN EXISTING BUILDINGS, CONTRACTORS SHALL NOT WORK IN AREAS CONTAMINATED BY MATERIALS MADE OF ASBESTOS UNTIL THE ASBESTOS MATERIALS HAVE BEEN REMOVED OR ENCAPSULATED.
- REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND EQUIPMENT AND MATERIAL APPROVED FOR USE UNDER THIS CONTRACT.
- QUANTITY OF WIRES SHOWN IN ALL CONDUITS IS FOR GENERAL GUIDELINE. SUPPLIER OF FA SYSTEM SHALL PREPARE CONSTRUCTION DRAWINGS SHOWING SHOWING ALL NECESSARY WIRES AND CABLES AND VERIFY SIZES OF ALL CONDUITS SHOWN.
- DRAWINGS DO NOT SHOW ALL THE NECESSARY J-BOXES AND PULL BOXES WHICH WILL BE REQUIRED THROUGHOUT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL THESE BOXES AS NECESSARY TO TERMINATE CONDUITS AND RACEWAYS. PAINT BOXES TO MATCH COLOR OF THE FINISHED SURFACE THAT THE BOXES ARE ATTACHED BUILDINGS.
- ALL JUNCTION BOXES AND DEVICES INDICATED ON BUILDING EXTERIORS SHALL BE WEATHERPROOF TYPE.
- FIRE ALARM WIRES SHALL BE COPPER TYPE THWHTH/NH.
- WHEN ALL FIRE ALARM DEVICES ARE INSTALLED AND PROGRAMMING IS COMPLETE, THE FIRE ALARM DEVICE MAP IN THE SCHOOL MAIN OFFICE SHOULD BE UPDATED TO INDICATE TO SCHOOL PERSONNEL THE LOCATIONS OF THE NEW DEVICES.
- SPLICING OF FA SYSTEM WIRING IS NOT ALLOWED. JUNCTION BOXES SHALL NOT CONTAIN SPLICES. CONDUCTORS SHALL BE PULLED THROUGH TERMINATIONS SHALL BE PERFORMED, ON DEVICE TERMINALS, TERMINAL BLOCKS IN CABINETS AND EQUIPMENT TERMINALS.
- LABEL DESCRIPTIONS* INDICATING DEVICE TYPE AND LOCATION THAT ARE DISPLAYED ON THE FIRE ALARM LCD DISPLAY SHOULD BE CLEAR AND EASILY UNDERSTOOD BY THE OFFICE STAFF. DESCRIPTIONS SHOULD BE BASED ON THE STAFFS UNDERSTANDING OF THE SITE AND NOT ON INFORMATION TAKEN FROM PRINTS.
- PROVIDE 24 HOURS FIRE WATCH DURING CONSTRUCTION. SHOULD EXISTING SYSTEM NEED TO BE INTERRUPTED. INCLUDE ALL COST IN ORIGINAL BID.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE TYPE OF CEILING CONSTRUCTION AND TO PROVIDE THE PROPER TYPE OF BOX MOUNTING AND SUPPORT FOR FIRE ALARM INITIATION DEVICES.

CONSTRUCTION NOTES

- VERIFY CONDUIT STUB UP AREAS OUTSIDE ALL BUILDINGS AND STUB UP AT BEST AREAS TO AVOID EXISTING WINDOWS, VENTS, ETC.
- PERFORM THE NECESSARY DEMOLITION WORK WITH GREAT CARE AND WITH SMALL TOOLS IN ORDER NOT TO JEOPARDIZE EXISTING STRUCTURE AND EQUIPMENT TO REMAIN.
- HEAT DETECTORS INSTALLED ABOVE SUSPENDED CEILING MUST HAVE THEIR LOCATIONS CLEARLY MARKED BELOW THE CEILING AND BE EASILY ACCESSIBLE. LABEL LETTERING SHOULD BE 1/2" HIGH, RED ON WHITE BACKGROUND AND BOLD ENOUGH TO BE EASILY SEEN BY PERSONNEL FROM THE FLOOR.
- REPLACE DAMAGED CEILING TILES AND CEILING TILES WITH HOLES DUE TO REMOVAL OF EXISTING DEVICES, J-BOX, CONDUITS, WIREMOLD RACEWAYS & ETC.
- UNLESS SPECIFICALLY APPROVED ON THE DRAWINGS, NO STRUCTURAL MEMBER SHALL BE ALTERED BY CUTTING, BORING, BRAZING, DRILLING, NOTCHING, WELDING AND ETC. WITHOUT THE SEOR AND DSA REVIEW AND APPROVAL.
- SEAL AND CAULK AS REQUIRED AT ALL PENETRATIONS.
- WHEREVER POSSIBLE, CONCEAL NEW CONDUITS AND BOXES IN CEILING, ATTIC SPACE OR WALLS. FISH CONDUITS INSIDE OF STUD WALLS WHERE POSSIBLE. WHERE EXPOSED RACEWAYS AND BOXES HAVE TO BE USED IN FINISHED AREAS, USE "WIREMOLD" TYPE SURFACE RACEWAYS. FOR ONE SD PER CLASSROOM, RUN THE WIREMOLD FROM WALL J-BOX UP TO THE SD ONLY. FOR TWO SD PER CLASSROOM, LOCATE THE TWO SD CLOSER TO WALLS WITH A CENTER-TO-CENTER SPACE BETWEEN SD IN COMPLIANCE WITH NFPA-72 AND USE A SHORT PIECE OF WIREMOLD FROM EACH WALL J-BOX TO EACH SD. DO NOT RUN WIREMOLD ACROSS THE CEILING BUT RUN ALONG WALLS.
- WHEN RUNNING WIREMOLD RACEWAYS, RUN RACEWAYS HIGH ON WALL AT CEILING LINE OR LOW NEAR FLOOR AND SWEEP DOWN OR UP TO DEVICES. TAKE CARE TO MAKE INSTALLATION NEAT AND UNOBJECTIONABLE. DRAWINGS DO NOT SHOW NECESSARY INTERMEDIATE BOXES. INCLUDE ALL NECESSARY FITTINGS, PULL AND J-BOXES IN BID.
- IF STRUCTURAL MEMBERS NOT INDICATED TO BE REMOVED ARE INTERFERING WITH NEW CONSTRUCTION, OBTAIN WRITTEN AUTHORIZATION FROM ENGINEER BEFORE REMOVING SUCH MEMBERS. DSA APPROVAL REQUIRED.
- COORDINATE THE DEMOLITION WORK AND NEW CONSTRUCTION TO PERMIT CONTINUED OPERATION OF ALL FACILITIES NECESSARY TO BE KEPT IN OPERATION.

CODES, STANDARDS & GUIDES

LIST OF APPLICABLE CODES
2022 California Administrative Code (CAC), Part 1, Title 24 CCR
2022 California Building Code (CBC), Part 2, Title 24 CCR
2022 California Electrical Code (CEC), Part 3, Title 24 CCR
2022 California Mechanical Code (CMC), Part 4, Title 24 CCR
2022 California Plumbing Code (CPC), Part 5, Title 24 CCR
2022 California Energy Code, Part 6, Title 24 CCR
2022 California Fire Code (CFC), Part 9, Title 24 CCR
2022 California Existing Building Code (CEBC), Part 10, Title 24 CCR
2022 California Green Building Standards Code (CALGreen), Part 11, Title 24 CCR
2022 California Referenced Standards Code, Part 12, Title 24 CCR
Title 19 CCR, Public Safety, State Fire Marshal Regulations
2010 ADA Standards for Accessible Design

APPLICABLE STANDARDS
For a list of applicable standards, including California amendments to the NFPA Standards, refer to CBC Chapter 35 and CFC Chapter 80.

Applicable Code: 2022 CBC

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, movable or mobile equipment that is permanently attached (e.g., hard wired) to the building utility services such as electricity, gas or water. "Permanently attached" shall include all electrical connections except plugs for 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 having 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.

Applicable Code: 2022 CBC

Piping, Ductwork, and Electrical Distribution System Bracing Note

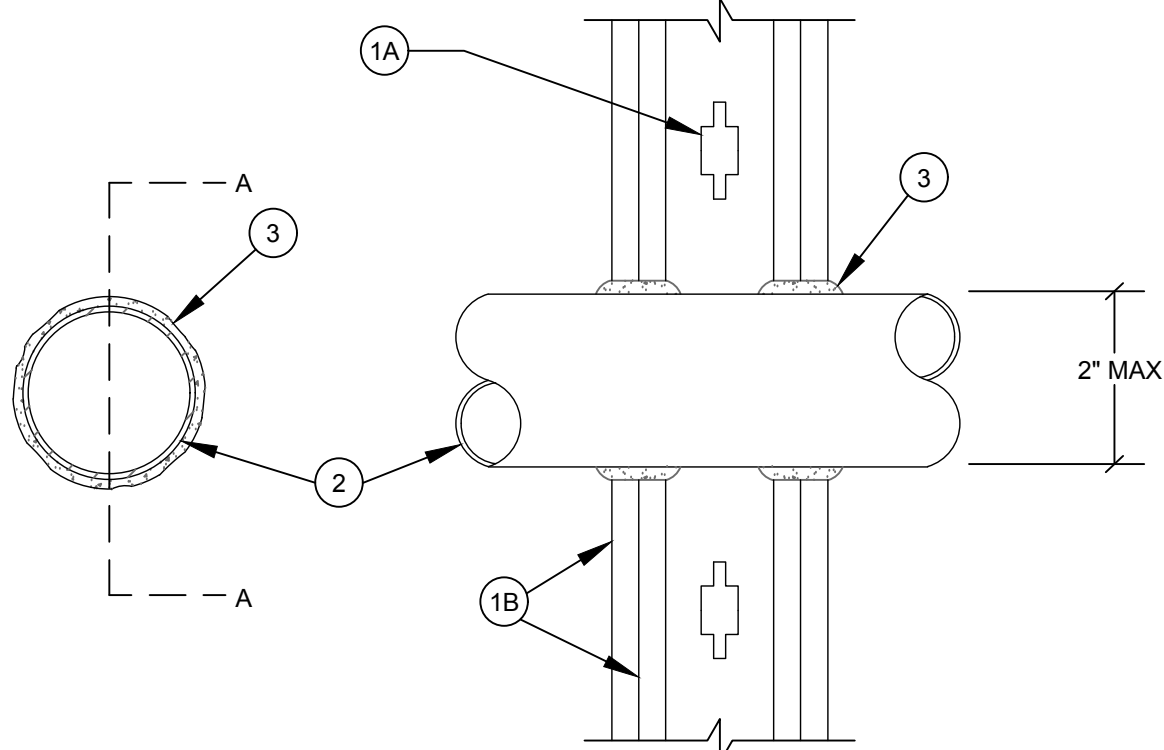
Piping, ductwork, and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7-16 Section 13.3 as defined in ASCE 7-16 Sections 13.6.5, 13.6.6, 13.6.7, 13.6.8, and 2022 CBC, Sections 1617A.1.24, 1617A.1.25 and 1617A.1.26.

The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When bracing and attachments are based on a preapproved installation guide (e.g., HCAI OPM 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 Systems (E):

MP□ MD□ PP□ E□ Option 1: Detailed on the approved drawings with project specific notes and details.

MP□ MD□ PP□ E□ Option 2: Shall comply with HCAI Preapproval (OPM #) #_____.



SECTION A-A

THROUGH - PENETRATION FIRESTOP SYSTEM

- System No. WH-1001
June 15, 2005
F Ratings - 1, 2, 3 and 4 Hr (See Items 2 and 3)
T Ratings - 0, 1, 2, 3 and 4 Hr (See Item 3)
L Rating-AI Ambient - less than 1.0°F/54°F
L Rating-AI 400°F - less than 1.0°F/54°F
- Wall Assembly - The 1, 2, 3 or 4 hr fire-rated gypsum wallboard/steel wall assembly shall be constructed of the materials and in the manner described in the individual U200 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs - Wall framing may consist of either wood studs (max 2 hr fire rated assemblies) or steel channel studs. Wood studs consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be nom 3.58 in. (92 mm) wide by 1.58 in. (39 mm) deep channels spaced max 24 in. (610 mm) OC.
 - Gypsum Board* - Nom 1/2 or 5/8 in. (13 or 16 mm) thick, 4 ft. (122 cm) wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U200 or U400 Series Design in the UL Fire Resistance Directory. Max diam of opening 6 25 in. (660 mm).
 - Through Penetrant - One Metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min of 0 in. (0 mm) (point contact) to max 2 in. (51 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
 - Steel Pipe - Nom 24 in. (610 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe.
 - Iron Pipe - Nom 24 in. (610 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. (305 mm) diam (or smaller) or Cast 50 (or heavier) ductile iron pressure pipe.
 - Conduit - Nom 6 in. (152 mm) diam (or smaller) steel conduit or nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing.
 - Copper Tubing - Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
 - Copper Pipe - Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
 - Through Penetrating Product* - Flexible Metal Piping - The following types of steel flexible metal gas piping may be used:
 - Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly. OMESA FLEX INC
 - Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly. TITELFLEX CORP
A BUNDIX CORP
 - Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly. WARD MFG INC
 - Fil Void or Cavity Material* - Caulk or Sealant - Min 5/8 - 1 1/4 - 1 7/8 and 2 - 1/2 in. (16, 32, 48, and 64 mm) thickness of caulk for 1, 2, 3 and 4 hr rated assemblies, respectively, applied within annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of caulk applied to gypsum board/penetrant interface at point contact location on both sides of wall. The hourly F Rating of the fire stop system is dependent upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following tables. The hourly T Rating of the firestop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, as tabulated below:

Max Pipe or Conduit diam in (mm)	F Rating Hr	T Rating Hr
1 (25)	1 or 2	0= 1 or 2
1 (25)	3 or 4	3 or 4
4 (102)	1 or 2	0
6 (152)	3 or 4	0
12 (305)	1 or 2	0

* When copper pipe is used, T Rating is 0 hr.
3M COMPANY - CP 25WB+ caulk or FB-3000 WT sealant.

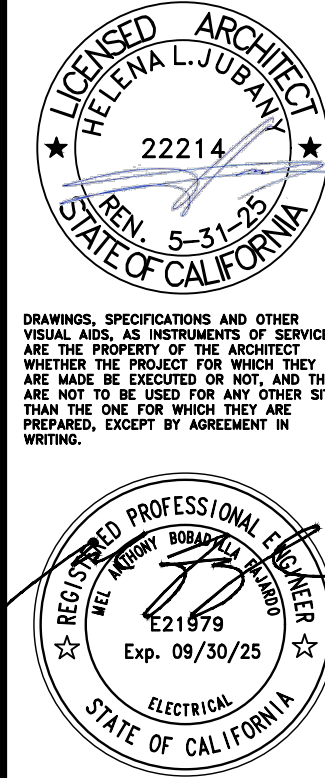
* Bearing the UL Classification Marking

FIRE ALARM SYSTEM DESCRIPTION

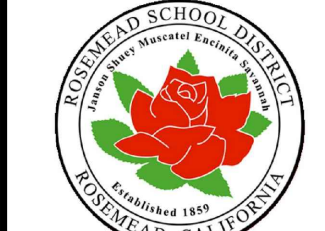
FIRE ALARM SUBMITTAL CONSISTS OF COMPLETE FULLY AUTOMATIC VOICE EVACUATION FIRE ALARM SYSTEM PER DSA POLICY CFC987.2.3.

PACIFIC ENGINEERS GROUP
Consulting MEPF Engineers
1106 W. Magnolia Blvd., Suite A
Burbank, CA 91506
(818) 859-7081 Y23-266
info@pacificeng.net

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MILDRED B. JANSON ELEMENTARY SCHOOL
NEW RELOCATABLES
8628 MARSHALL ST. ROSEMEAD, CA 91770



ROSEMEAD SCHOOL DISTRICT
3801 ROSEMEAD BLVD.,
ROSEMEAD, CA 91770

NAC
ARCHITECTURE
nacarchitecture.com
827 N. Spring Street, Third Floor
Los Angeles, CA 90012-2323
P: 323.475.8075

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DATE 08/30/2023

FIRE ALARM
SYMBOL LIST
AND NOTES

FA-001

FIRE ALARM SIGNAL CIRCUIT SCHEDULE (EXISTING)															
BLDG.	CKT. NO.	WALL QUAN. STROBE 15 cd 0.043	WALL QUAN. STROBE 30 cd 0.063	WALL QUAN. STROBE 75 cd 0.107	WALL QUAN. STROBE 110cd 0.148	CEIL. QUAN. STROBE 15cd 0.041	CEIL. QUAN. STROBE 30cd 0.063	CEIL. QUAN. STROBE 75cd 0.111	CEIL. QUAN. STROBE 110cd 0.158	TOTAL AMPS	WIRE SIZE	DISTANCE (IN FEET)	TO MFACP	TO POWER EXTENDER	PERCENT VOLTAGE DROP
A	V1	3				3	1	2		0.54	#12	180		FCPS-A	1.33
A	V2	3				2		1		0.32	#12	100		FCPS-A	0.44
D	V3	1	2				2	2		0.52	#12	300		FCPS-A	2.14
E	V4		2					3		0.46	#12	390		FCPS-A	2.47
F	V5		2					4		0.57	#12	460		FCPS-B	3.61
G	V6		2					4		0.57	#12	368		FCPS-B	2.89
B	V7	3	2					1		0.37	#12	180		FCPS-B	0.91
J,K	V8							2		0.22	#12	510		FCPS-B	1.56
H	V9	3	1					4	1	0.79	#12	260		FCPS-H	2.85
C	V10	3		1	1				2	0.70	#12	290		FCPS-C	2.80
L	V11	4						4		0.62	#12	320		FCPS-C	2.72
M	V12							5		0.56	#12	225		FCPS-M	1.72
M	V13							3		0.33	#12	200		FCPS-M	0.92
N	V14							4		0.44	#12	375		FCPS-M	2.29
(N)RELO	V15							(E)2+2+(N)3=5		0.56	#12	660		FCPS-M	5.05

I = TOTAL CURRENT FLOW IN ALARM CONDITION
L = LENGTH OF CIRCUIT FROM SUPPLY TO LAST DEVICE (IN FEET)
Z1.6 = RESISTIVITY OF COPPER CONDUCTOR PER CIRCULAR MILL
C.M. = CROSS SECTIONAL AREA OF CONDUCTOR IN CIRCULAR MILLS
VOLTAGE DROP = $\frac{I \times L \times Z1.6}{C.M.}$ (CM)

BATTERY CALCULATIONS PANEL FACP "SILENT KNIGHT" - 6820EVS (EXISTING)					
QTY.	DESCRIPTION	STANDBY		ALARM	
		DEVICE	AMPS	DEVICE	AMPS
1	6820EVS	0.19000	0.19000	0.25000	0.25000
2	ADDR. INPUT MOD	0.00055	0.00110	0.00055	0.00110
9	ADDR. MANUAL PULL STATION	0.00055	0.00495	0.00055	0.00495
23	ADDR. RELAY MODULE	0.00055	0.01265	0.00055	0.01265
125	ADDR. HEAT DETECTOR (E)117-4+(N)12=125	0.00055	0.06875	0.00055	0.06875
133	ADDR. PHOTO SMOKE DET (E)125-4+(N)12=133	0.00055	0.07315	0.00055	0.07315
42	ADDR. PHOTO-CARBON MONOXIDE SMOKE DET.	0.00055	0.02310	0.00055	0.02310
1	SLC EXPANDER	0.05500	0.05500	0.05500	0.05500
1	EVS-ITN50W	0.02000	0.02000	0.02500	0.02500
1	EVS-VCN	0.04500	0.04500	0.04500	0.04500
1	DACT	0.03500	0.03500	0.20000	0.20000
1	LED ANNUNCIATOR	0.03500	0.03500	0.14500	0.14500
27	SPEAKER 1/2 WATT TAP	0.00000	0.00000	0.02000	0.54000
13	SPEAKER 2 WATT TAP	0.00000	0.00000	0.08000	1.04000
12	SPEAKER 1/4 WATT TAP	0.00000	0.00000	0.01000	0.12000
0	SPEAKER 1 WATT TAP	0.00000	0.00000	0.04000	0.00000
	TOTAL		0.5637		2.6037
		STANDBY		ALARM	
		24 HOURS	13.5288	15 MIN.	0.6509
		TOTAL	14.18 A.H.		
	BATTERY WITH 25% DERATING INCLUDED:		17.72 A.H.		
	BATTERY:		25 A.H.		
	SPARE:		7.28 A.H.		

BUILDING "M"

BATTERY CALCULATIONS - POWER EXTENDER FAPS-33M (EXISTING)					
EQUIPMENT MODEL	QUANTITY	SUPERVISORY CURRENT, A		ALARM CURRENT, A	
		UNIT	TOTAL	UNIT	TOTAL
POWER SUPPLY 5496	1	0.04	0.04	0.16	0.16
STROBE (15cd) (WALL) (E)4+(N)6=10	10	0	0	0.043	0.43
STROBE (30cd)	0	0	0	0.063	0
STROBE (75cd) (CEILING) (E)14+2+(N)3=15	15	0	0	0.111	1.665
STROBE (110cd)	0	0	0	0.148	0
STANDBY AH	0.96	SUB TOTAL		0.04	2.255
ALARM AH	0.56	HOURS		24.00	0.25
TOTAL	1.52	AH STANDBY		0.96	0.56375
PROVIDE NEW 7 AH BATTERY PACK					
(0.25 HRS. = 15 MIN.)					

VOICE EVACUATION FIRE ALARM SEQUENCE OF OPERATION (EXISTING)						
DEVICE / ACTION	MANUAL PULL STATION	AREA SMOKE DETECTORS	SMOKE DETECTOR CARBON MONOXIDE	AREA HEAT DETECTORS	POWER FAILURE	KITCHEN FIRE SUPPRESSION
ANNUNCIATE ALARM AT FACP AND REMOTE ANNUNCIATOR	✕	✕	✕	✕		
ANNUNCIATE SUPERVISORY CONDITION AT FACP AND REMOTE ANNUNCIATOR	✕	✕	✕	✕	✕	✕
ANNUNCIATE TROUBLE AT FACP AND REMOTE ANNUNCIATOR	✕	✕	✕	✕	✕	✕
ACTIVATE AUDIBLE/VISUAL SIGNAL THROUGHOUT SCHOOL (ALARM)	✕	✕	✕	✕		✕
CONTACT CENTRAL STATION (UDACT)	✕	✕	✕	✕	✕	✕
SHUT DOWN AIR HANDLING EQUIPMENT		✕	✕	✕		
SHUT-OFF AUTONOMOUS PA	✕	✕	✕	✕		✕

[1] INDICATE TROUBLE ON WIRING FAULT OR DEVICE AS REQUIRED.

[2] SHUT DOWN ONLY AIR HANDLER EQUIPMENT IN THE BUILDING OR AREA WHERE ALARM CONDITION OCCURS.

[3] NO EXISTING AUTONOMOUS PA.

BATTERY SIZING CALCULATION

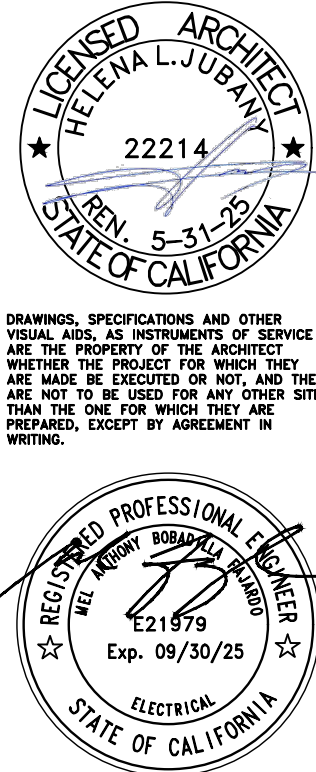
REMOTE AMPLIFIER - AMP-C (EXISTING)						
EVS-50W						
Quantity	Device Type	Model Number	Standby Current	Total Standby Current	Alarm Current	Total Alarm Current
1	EVS-50W		0.06500	0.06500	2.00000	2.00000
(E)18-2+(N)3=19	Speaker 25V	Speaker - 1/2 Watt Tap	0.00000	0.00000	0.02000	0.38000
(E)8-1+(N)1=8	Speaker 25V	Speaker - 2 Watt Tap	0.00000	0.00000	0.08000	0.64000
2	Speaker 25V	Speaker - 1/4 Watt Tap	0.00000	0.00000	0.01000	0.02000
4	Speaker 25V	Speaker - 1 Watt Tap	0.00000	0.00000	0.04000	0.16000
			Standby Load	0.065	Alarm Load	3.360
			Standby Load:	0.065 Amps	Alarm Load:	3.360 Amps
			Standby Time:	24 Hours	Alarm Time:	15 Minutes
			Total Standby Load:	1.56 Amp*Hours	Total Alarm Load:	0.84 Amp*Hours
			Batteries Provided:	(2) BAT-12180	Available Battery:	14.40 A.H.
			Battery Size:	18.00 A.H.	Load (ALM + STBY):	2.40 A.H.
			De-Rated Size(80%):	14.40 A.H.	Spare Capacity	12.00 A.H.

VOICE EVACUATION CONTROL PANEL SPEAKER CIRCUIT LOAD CALCULATION (EXISTING)											MFG. REC. MAXIMUM LOSS IS: -0.5dB			
SPEAKER CIRCUIT DESCRIPTION			PANEL CIRCUIT NUMBER	WIRE GAUGE (16, 18, 14 12)	CIRCUIT VOLTAGE (25 OR 70 VRMS)	APPLIANCES QUANTITIES / TAP VALUES				TOTAL CIRCUIT LOAD (WATTS)	ESTIMATED CIRCUIT LENGTH (FEET)	ACTUAL WIRE/LOSS (dB)	ALLOWABLE CKT. LENGTH (FEET)	CIRCUIT RESISTANCE (OHMS)
AMPLIFIER# A	AMPLIFIER LOCATION	CIRCUIT LOCATION				SPEAKER TAPPED AT 0.25 Watts	SPEAKER TAPPED AT 0.5 Watts	SPEAKER TAPPED AT 1 Watt	SPEAKER TAPPED AT 2 Watts					
AMP-C	PLATFORM BUILDING C	BUILDING C	A5	14 AWG	25 Vrms	0	0	4	2	8.00 Watts	340 ft.	-0.19 dB	6,226 ft.	1.8 Ohms
AMP-C	PLATFORM BUILDING C	BUILDING L	A6	14 AWG	25 Vrms	2	4	0	2	6.50 Watts	390 ft.	-0.18 dB	7,663 ft.	2.0 Ohms
AMP-C	PLATFORM BUILDING C	BUILDING M	A7	14 AWG	25 Vrms	0	8	0	3	10.00 Watts	440 ft.	-0.31 dB	4,981 ft.	2.3 Ohms
AMP-C	PLATFORM BUILDING C	BUILDING N, O, P	A8	14 AWG	25 Vrms	0	(E)6-2+(N)3=7	0	(E)1-1+(N)1=1	5.50 Watts	850 ft.	-0.33 dB	9,057 ft.	4.4 Ohms

SYMBOLS	COMPONENT	SILENT KNIGHT CAT. NO.	CSFM NO.
	FIRE ALARM CONTROL PANEL "MFACP" (VOICE EVAC)	6820EVS (EXISTING)	7165-0559.0500
	FIRE ALARM ANNUNCIATOR WITH MIC.	EVS-LOC (EXISTING)	7165-0559.0500
	FIRE ALARM POWER SUPPLY	5496 (EXISTING)	7165-0559.0500
	REMOTE AMPLIFIER	EVS-50W (EXISTING)	7165-0559.0172
	CEILING MOUNTED SPEAKER/STROBE	SYSTEM SENSOR SPSCRL	7320-1653.0505
	WALL STROBE (15cd)	SYSTEM SENSOR SRL	7125-1653.0504
	SMOKE DETECTOR, PHOTOELECTRIC	SK-PHOTO-W	7272-0559.0512
	HEAT DETECTOR	SK-HEAT-HT-W	7270-0559.0511

FIRE ALARM SYSTEM DESCRIPTION
FIRE ALARM SUBMITTAL CONSISTS OF COMPLETE FULLY AUTOMATIC VOICE EVACUATION FIRE ALARM SYSTEM PER DSA POLICY CFC907.2.3.

PACIFIC ENGINEERS GROUP
Consulting MEPF Engineers
1106 W. Magnolia Blvd., Suite A
Burbank, CA 91506
(818) 859-7081 Y23-266
info@pacificeng.net



MILDRED B. JANSON ELEMENTARY SCHOOL
NEW RELOCATABLES
8628 MARSHALL ST. ROSEMEAD, CA 91770



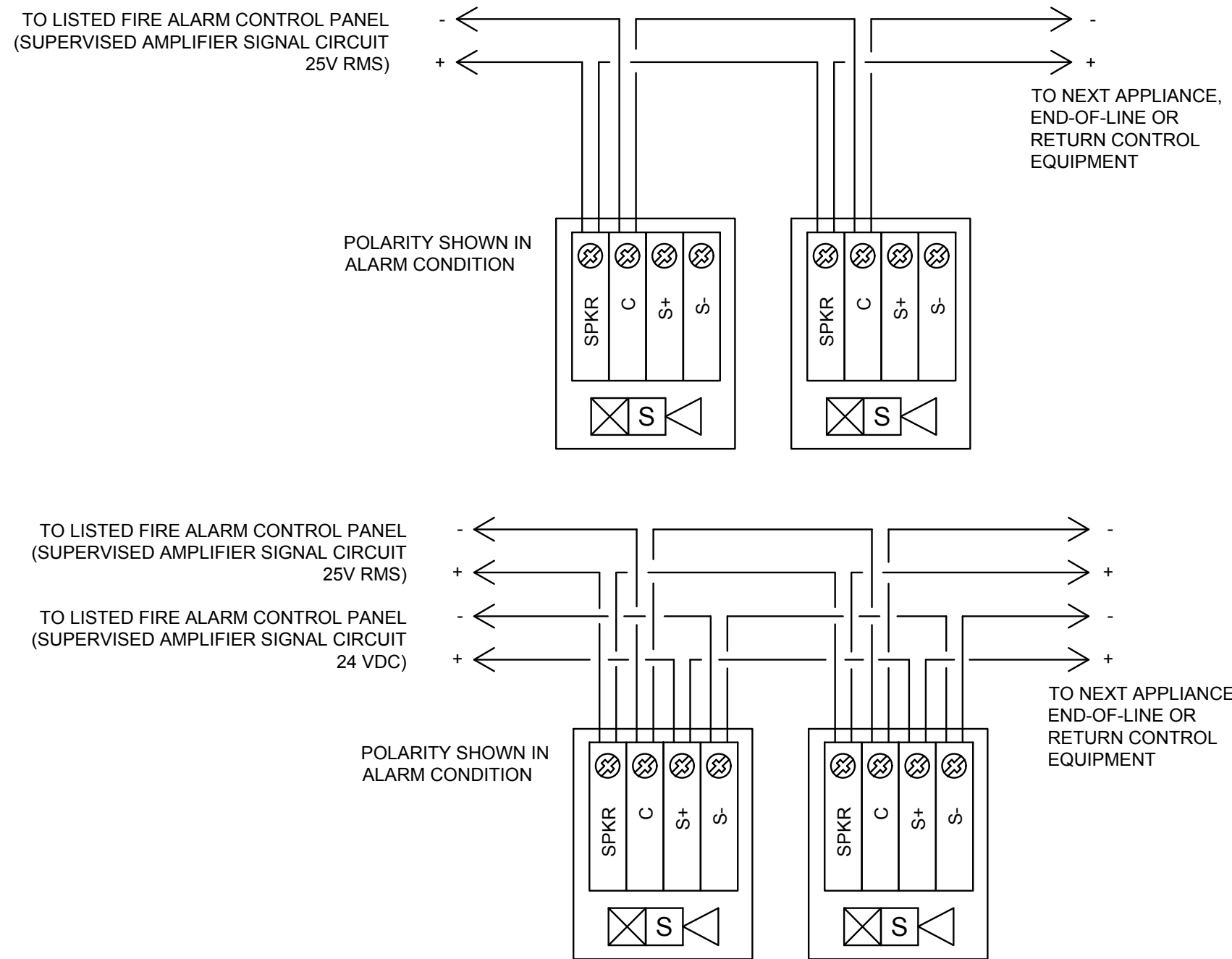
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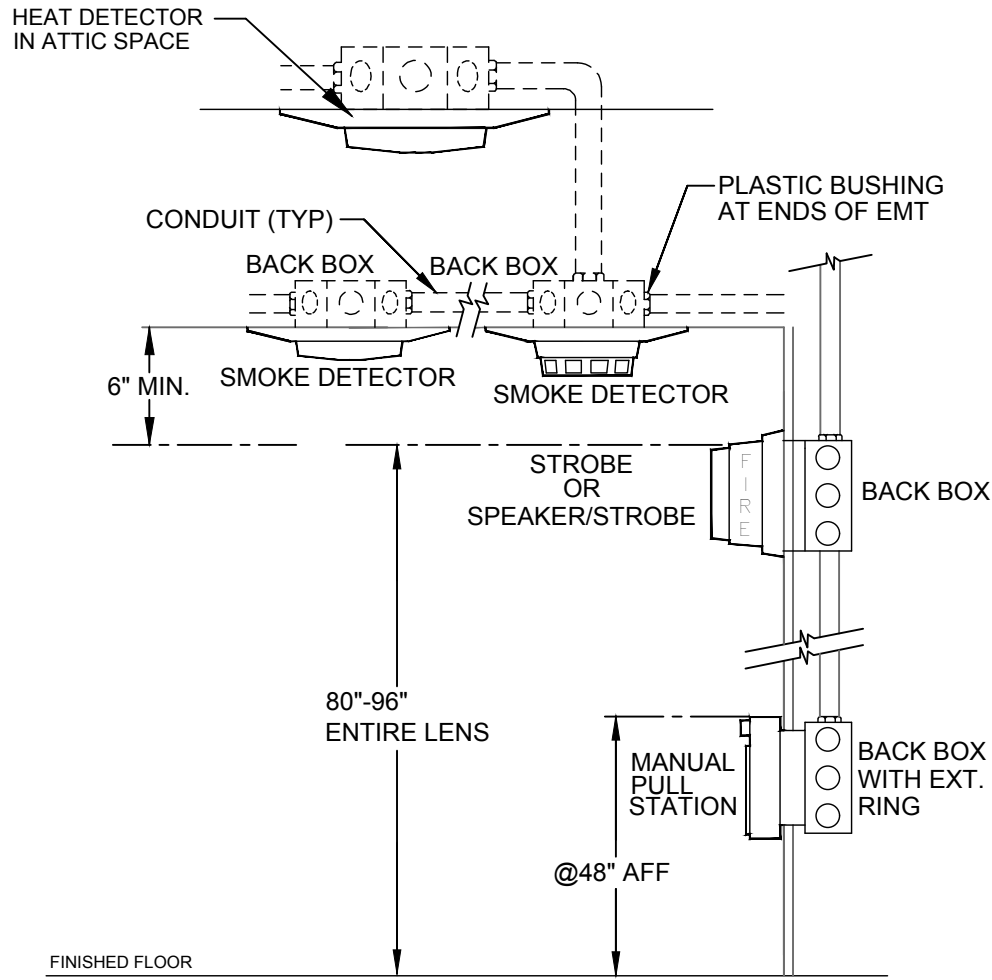
FIRE ALARM
SCHEDULES AND
CALCULATIONS

FA-002



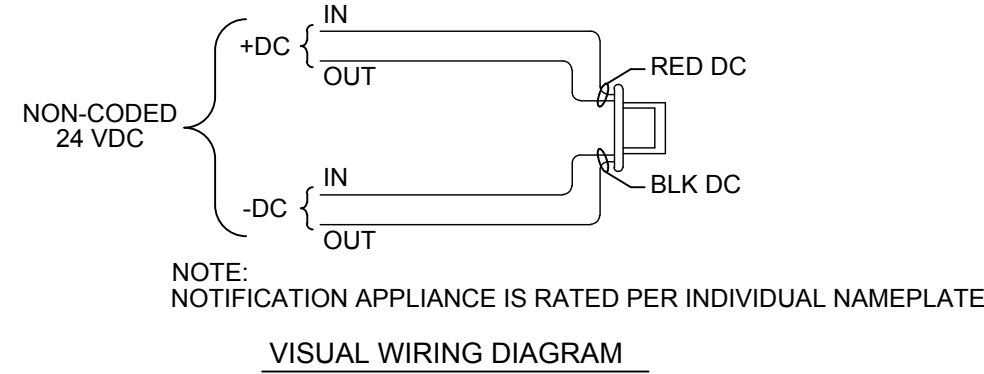
6
FA-003
N.T.S.

TYPICAL SPEAKER, SPEAKER-STROBE WIRING DIAGRAM



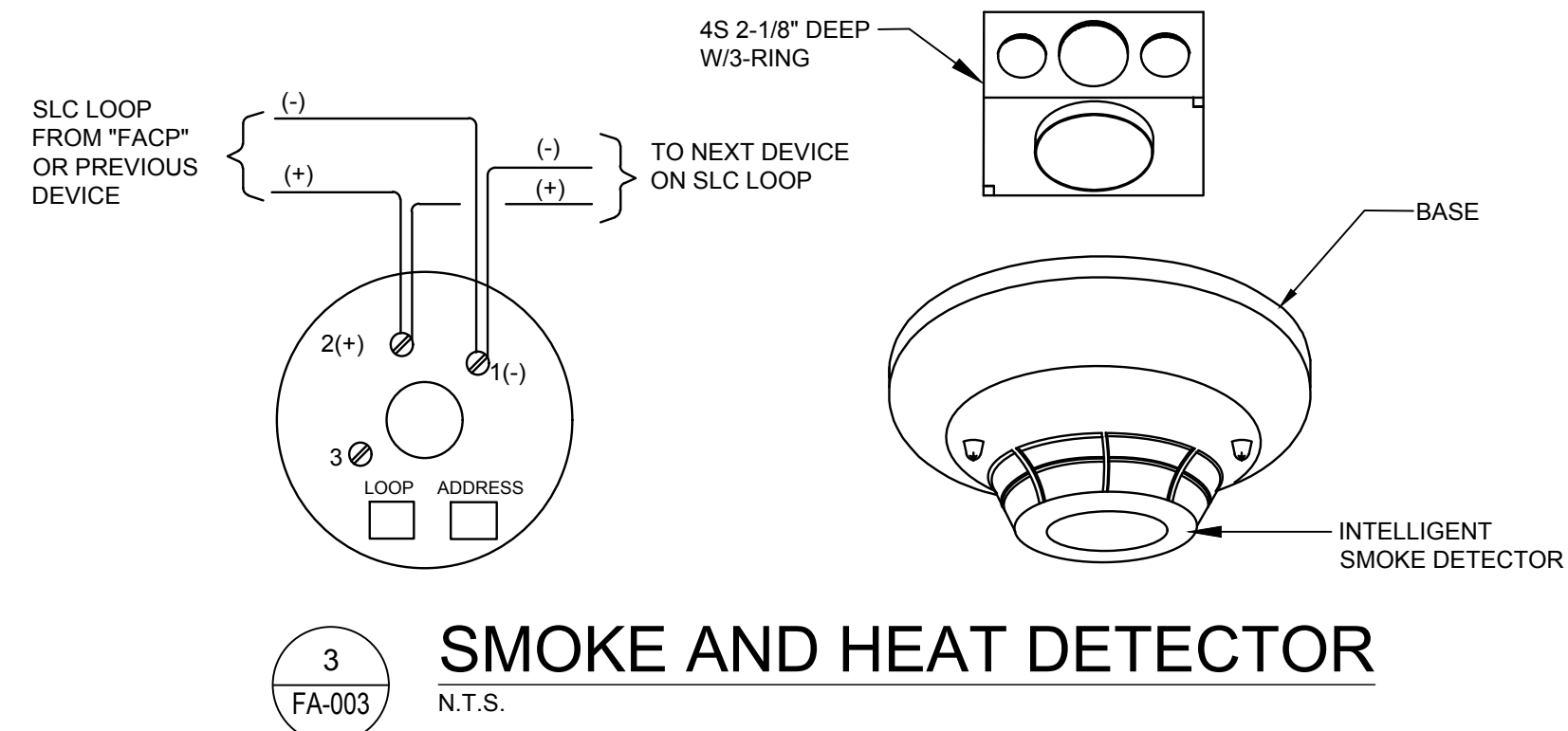
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FA-003
N.T.S.

PULL STATION, SPEAKER & STROBE HEIGHT REQUIREMENTS



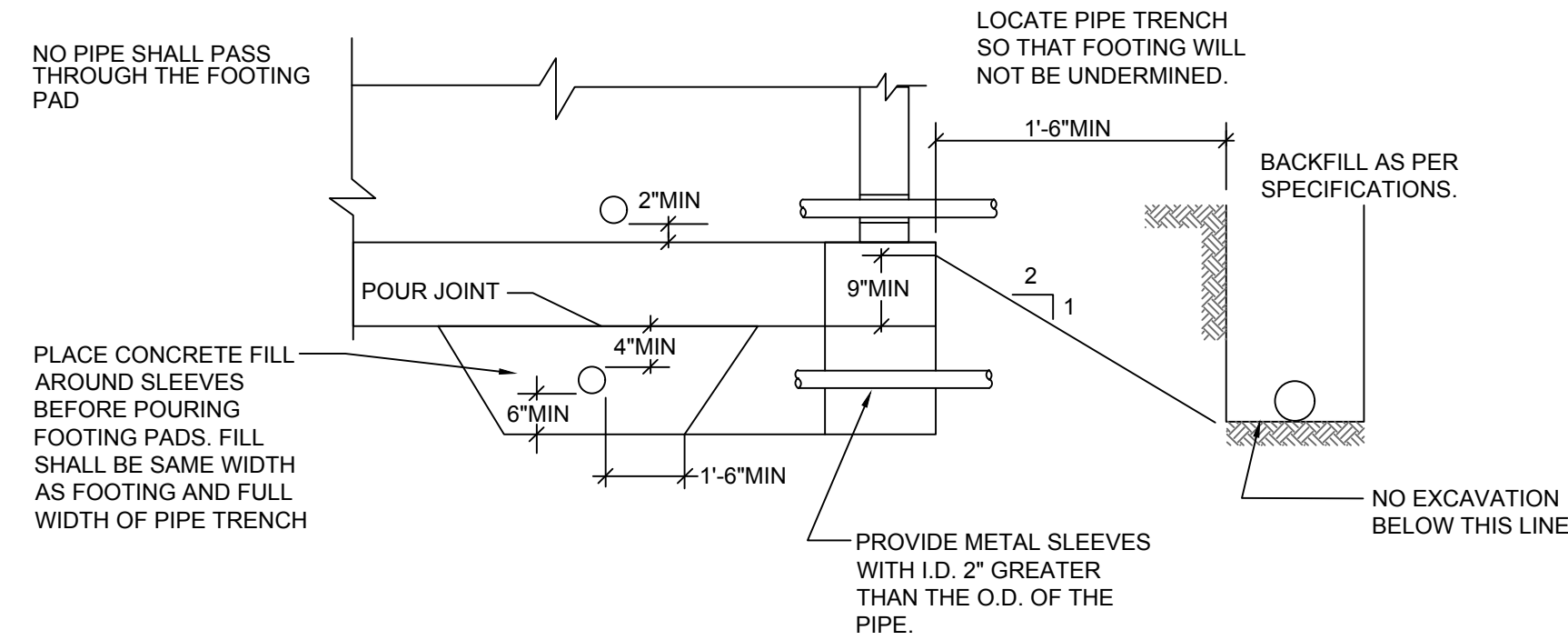
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STROBE LIGHT



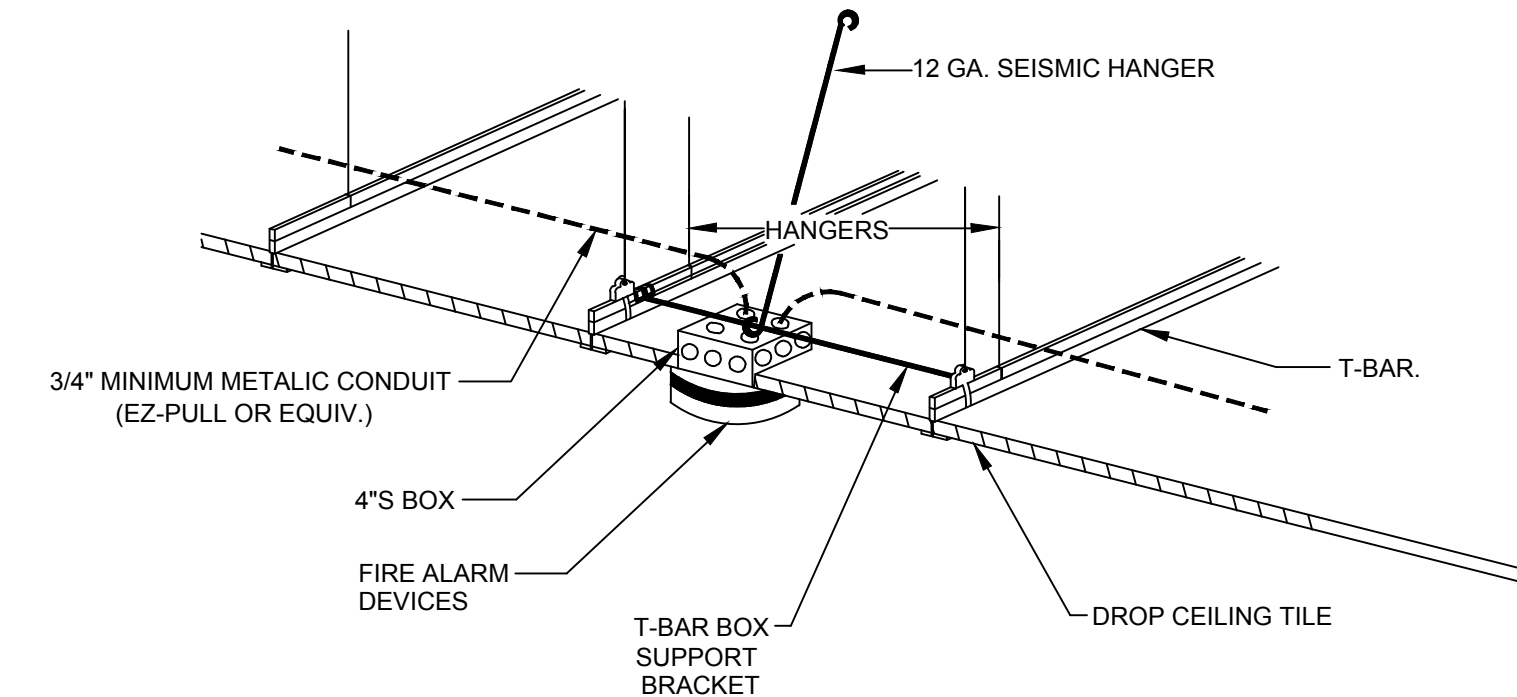
3
FA-003
N.T.S.

SMOKE AND HEAT DETECTOR



2
FA-003
N.T.S.

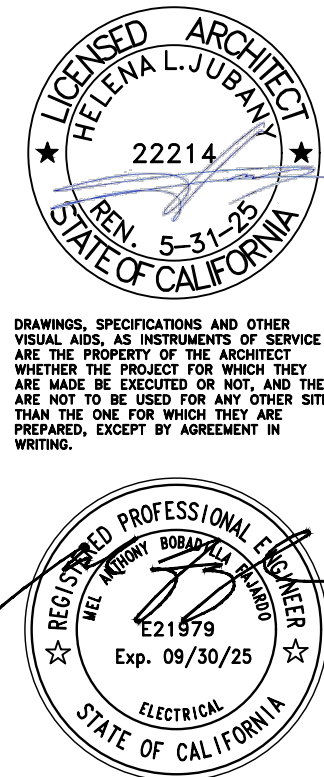
TYPICAL PIPE TRENCH OR DUCT BANK AND FOOTING DETAIL



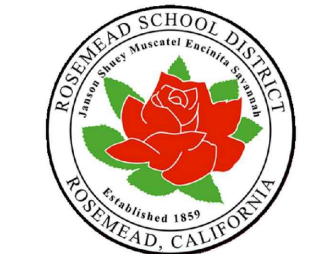
1
FA-003
N.T.S.

TYPICAL (SMOKE DETECTOR, / SPEAKER-STROBE) CEILING MOUNT INSTALLATION DETAIL

FILE No.: 19-91 A#: 03-123590
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3807 ROSEMEAD BLVD.,
ROSEMEAD, CA 91770

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nacarchitecture.com
827 N. Spring Street, Third Floor
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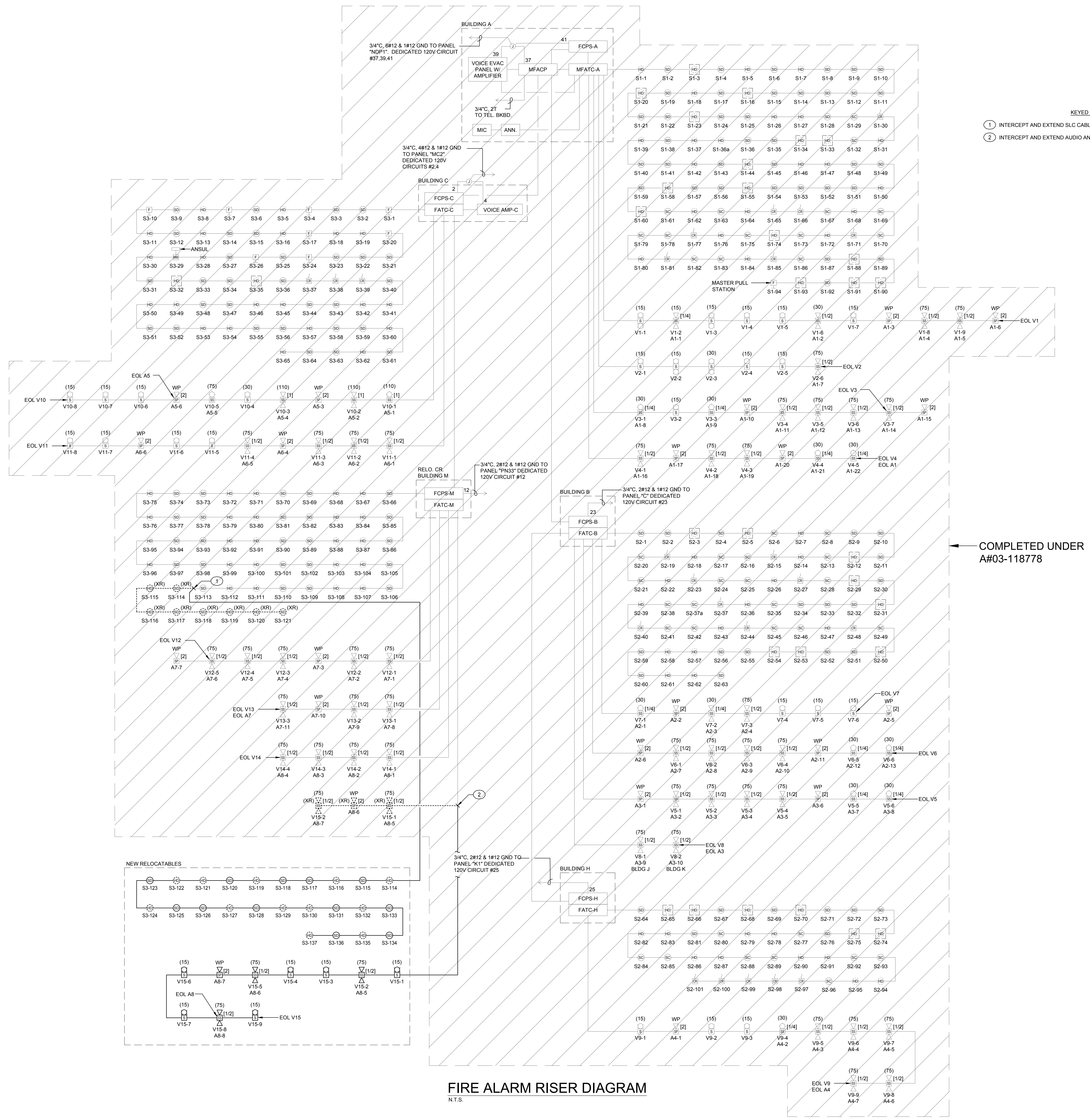
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FIRE ALARM DETAILS

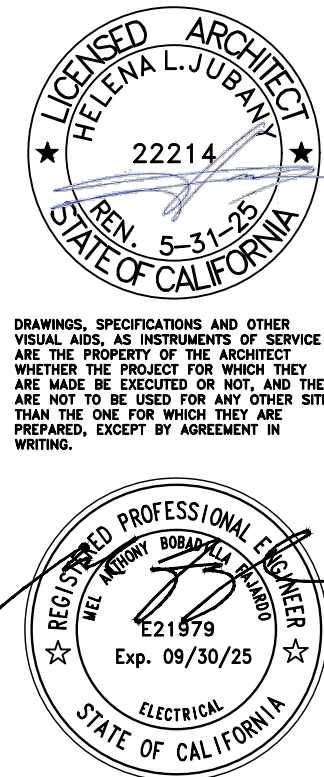
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Consulting MEPF Engineers
1106 W. Magnolia Blvd., Suite A
Burbank, CA 91506
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FA-003

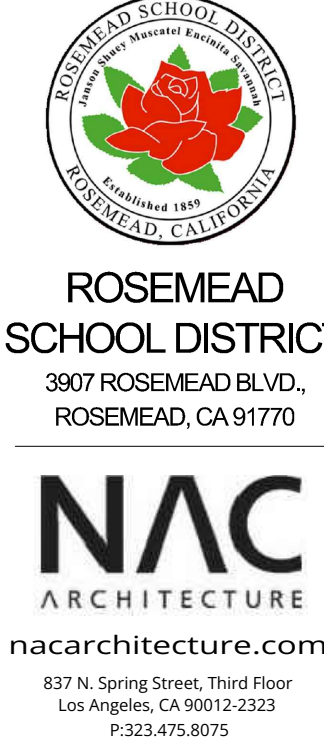
- KEYED NOTES
- 1 INTERCEPT AND EXTEND SLC CABLE TO NEW RELOCATABLE.
 - 2 INTERCEPT AND EXTEND AUDIO AND VISUAL CABLE TO NEW RELOCATABLE.



FIRE ALARM RISER DIAGRAM
N.T.S.



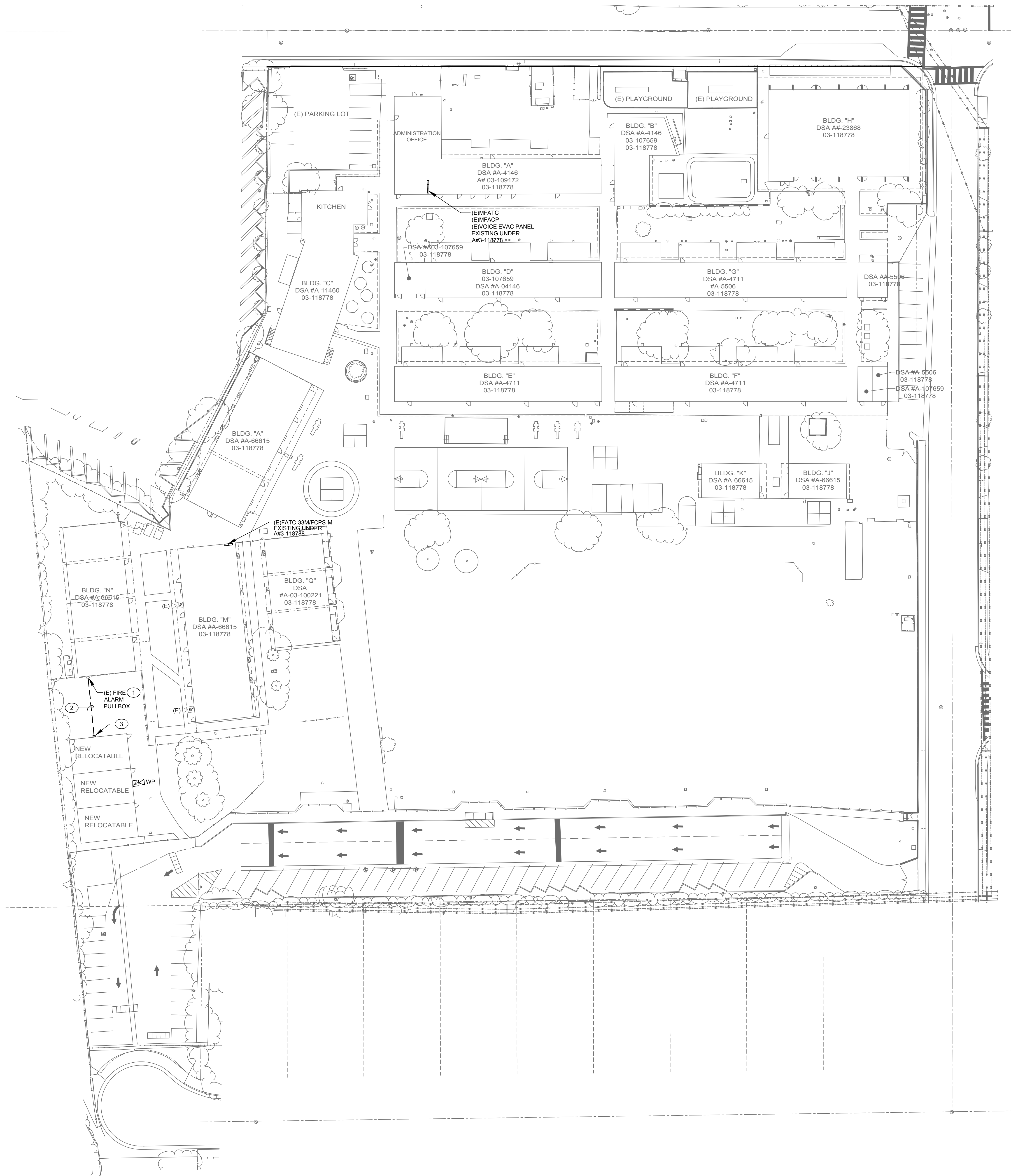
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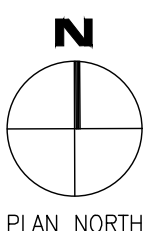
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FA RISER
DIAGRAM

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Burbank, CA 91506
(818) 859-7081 Y23-266
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FIRE ALARM SITE PLAN
SCALE: 1"=30'-0"

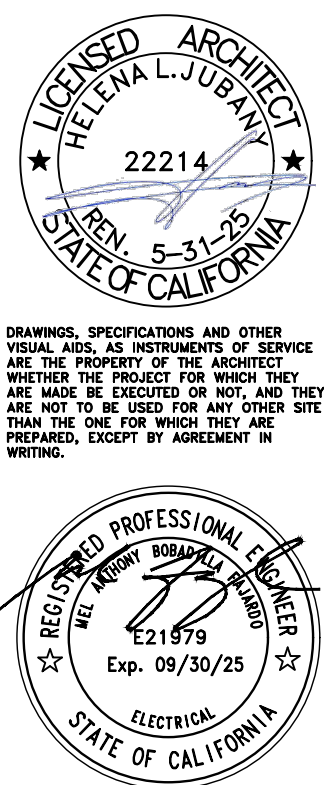


- KEYED NOTES
- 1 INTERCEPT AND EXTEND FIRE ALARM CABLES (SLC, AUDIO, VISUAL) FROM REMOVED CLASSROOMS.
 - 2 1"C, (1)FW, (1)V, (1)AW (FIRE ALARM).
 - 3 WEATHERPROOF FIRE ALARM PULLBOX 10"x10"x6" DEEP, MOUNT HIGH ON WALL.

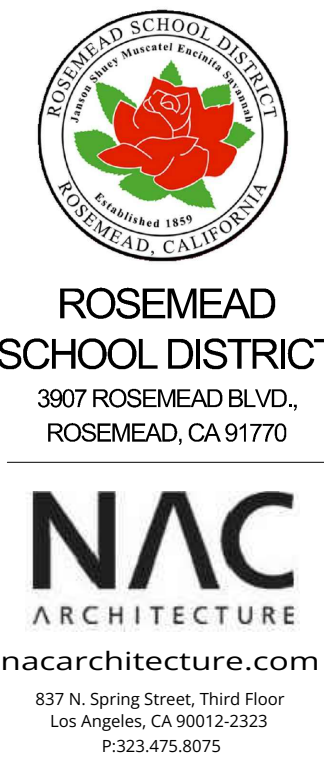
EXCAVATION NOTES

CONTRACTOR SHALL FIELD VERIFY UNDERGROUND UTILITIES PRIOR TO WORK (ELECTRICAL CONDUITS, SEWER LINES, WATER LINES, PLUMBING, ETC.). CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND ROUTING OF NEW TRENCHING IN AREAS OF EXISTING UNDERGROUND LINES. CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL EXISTING LINES WHERE NEW TRENCHING OCCURS BY USING ELECTRONIC LOCATING DEVICES, DIG ALERT SERVICES, ETC. CONTRACTOR SHALL INCLUDE THE COST OF LOCATING THE EXISTING UNDERGROUND LINES IN THE BID. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO EXISTING LINES.

TRENCHING FOR NEW UNDERGROUND CONDUITS IN AREAS WHERE EXISTING UNDERGROUND LINES ARE PRESENT SHALL BE EXCAVATED BY HAND AND WITH EXTREME CAUTION. UNDERGROUND POWER AND SIGNAL PULLBOXES WHERE SHOWN ON THE SITE PLAN DETERMINED TO BE IN CONFLICT WITH EXISTING UNDERGROUND LINES AFTER EXCAVATION BY HAND SHALL BE RELOCATED TO A POSITION AS CLOSE AS POSSIBLE TO THE LOCATION SHOWN ON THE DRAWINGS.



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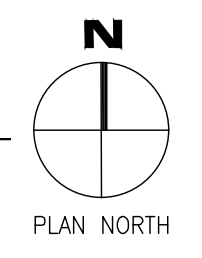


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FIRE ALARM SITE PLAN

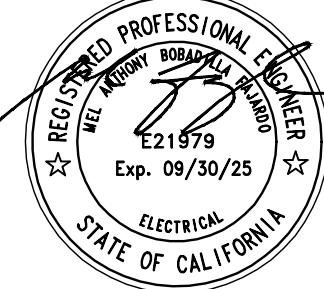
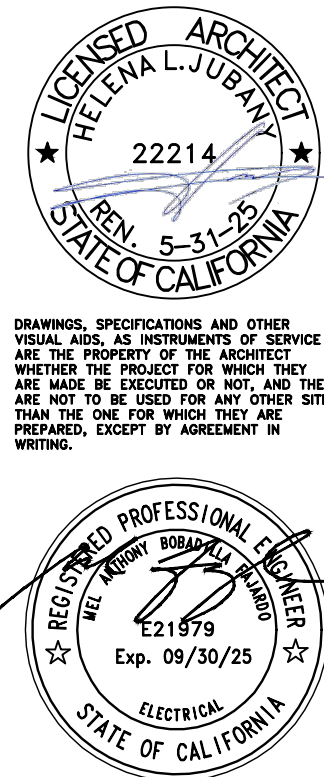


RELOCATABLE FIRE ALARM PLAN
SCALE: 1/8"=1'-0"



FILE No.: 19-91 A#: 03-123590

Revisions



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RELOCATABLE
FIRE ALARM PLAN

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1106 W. Magnolia Blvd., Suite A
Burbank, CA 91506
(818) 859-7081 Y23-266
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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

GENERAL NOTES	BUILDING DATA
1. FIRE ALARM IS NOT PART OF THIS APPROVAL. 2. ALLOWABLE AREA IS BASED ON 10' SET BACK FROM IMAGINARY ASSUMED LINE PER 2022 CBC 705.3. 3. THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM. 4. PC IS DESIGNED AS A SINGLE STORY MODULAR BUILDING. 5. FOR SOILS TYPES / DESIGN BEARING STRENGTH, SEE STRUCTURAL SPECIFICATIONS. 6. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR). 7. THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES. 8. EXTERIOR WALL OPENINGS TO COMPLY W/ 705.8, 2022 CBC. THE USE OF UNPROTECTED OPENINGS SHALL BE VERIFIED IN THE PROJECT SPECIFIC APPLICATIONS. 9. EXTERIOR PROJECTIONS ARE TO BE FIRE PROTECTED WHERE REQUIRED BY SECTIONS 705.2 & 1405. 10. SEE SHEETS A-0.7 FOR REQUIRED BUILDING ENVELOPE ASSEMBLIES AND HVAC SYSTEM. 11. PURSUANT TO D.S.A. APPROVAL ALL PRODUCTS CAN BE SUBSTITUTED BY AN "EQUAL". 12. BUILDING(S) TO BE LOCATED IN ANY FIRE HAZARD SEVERITY ZONE OR ANY WILDLAND - URBAN INTERFACE FIRE AREA SHALL COMPLY WITH CBC CHAPTER 7A. 13. 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. 14. 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. 15. 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. 16. THE BUILDING PAD ELEVATION SHALL ABOVE THE DESIGN FLOOD ELEVATION. 17. 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.	NUMBER OF STORIES: 1 - STORY OCCUPANCY: E or B TYPE OF CONSTRUCTION: V-B FLOOR LIVE LOAD: <input type="checkbox"/> 60 PSF <input 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 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 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 (ALL w/o OVERHANGS) FOUNDATION: <input type="checkbox"/> WOOD (CONDITIONAL) <input type="checkbox"/> CONCRETE ABOVE GRADE <input type="checkbox"/> CONCRETE BELOW GRADE (C-100 S.F. CONDITIONAL) <input type="checkbox"/> CONCRETE BELOW GRADE (MINI. SEE NOTE 15) CEC CLIMATE ZONE: <input type="checkbox"/> ALL ZONES (1-16) <input type="checkbox"/> SINGLE ZONE (SEE PROJECT SPECIFIC DRAWINGS) ALLOWABLE SOIL PRESSURE WOOD FOOTING (DL & DL+LL & DL+LL+SEISMIC) 1,000 psf CONCRETE FOOTING (DL & DL+LL & DL+LL+SEISMIC) 1,500 psf ROOF SNOW LOAD GROUND SNOW LOAD, P_g FROM COUNTY 0 ROOF SNOW LOAD: <input type="checkbox"/> FLAT P_f OR <input type="checkbox"/> LOW-SLOPE, 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 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 GROUND MOTION HAZARD ANALYSIS. THIS EXEMPTION APPLIES WHEN THE PARAMETER SM_1 , DETERMINED THROUGH THE USE OF EQ. 11.4-2, IS ELLEVATED BY 50% FOR ALL APPLICATIONS OF SM_1 +++ FOR THE PURPOSES OF CALCULATING C_s (PER ASCE 7-16 12.8.1.3) $S_{DS} = 1.56$

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.

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

SEISMIC DESIGN FOR SITE SPECIFIC PROJECTS

SELECT ONE	<input type="checkbox"/> DESIGN BASED ON SITE CLASS $D_{default}$
	NO GEOTECHNICAL INVESTIGATION REQUIRED $S_s =$ _____ $F_a = 1.2$
	<input type="checkbox"/> DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16
	GEOTECHNICAL INVESTIGATION PROVIDED SITE CLASS: <input type="checkbox"/> C <input type="checkbox"/> D $S_s =$ _____ $F_a =$ _____ PER ASCE 7-16 SUPPL. 3, TABLE 11.4-1
	<input type="checkbox"/> DESIGN BASED ON SITE SPECIFIC GROUND MOTION HAZARD ANALYSIS PER CHAPTER 21 OF ASCE 7-16
	SHORT-PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, S_{Dp} , SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION
	CGS APPROVAL REQUIRED
	NOT ELIGIBLE FOR OTC REVIEW
	SITE CLASS: <input type="checkbox"/> C <input type="checkbox"/> D
	$S_{DS} = \frac{2}{3} F_a S_s =$ _____ <input type="checkbox"/> SITE CLASS C or D: $0.7 \times S_{Dp}^* = 0.7 \times$ _____ = _____ ≤ 2.23 $C_s = 0.45$ USED IN DESIGN SEISMIC DESIGN CATEGORY: <input type="checkbox"/> D <input type="checkbox"/> E * SITE SPECIFIC S_{Dp} 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.

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PROJECT SPECIFIC STATE AGENCY APPROVAL

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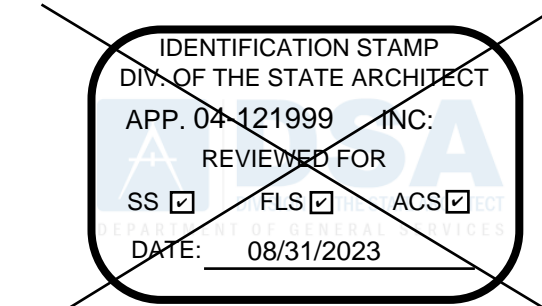
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COVER SHEET

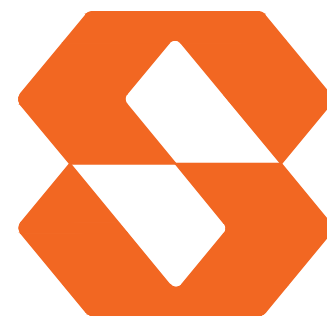
REVISIONS

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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

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

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

KEY TO CONDITIONS	1. TYPE	2. PERFORMED BY
Continuance - Indicates that a continuous special inspection is required.	GE (Geotechnical Engineer) - Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.	
Periodic - Indicates that a periodic special inspection is required.	LOE (Laboratory of Record) - Indicates that the test or special inspection shall be performed by a testing laboratory approved by the CSA Laboratory Evaluation and Accreditation (LEA) Program, see CBC Section 4-3.35.	
Test - Indicates that a test is required.	SI (Special Inspector) - Indicates that the special inspection may be performed by an inspector who is specifically approved by the CSA.	

SA1. STRUCTURAL STEEL, COLD-FORMED STEEL, AND ALUMINUM USED FOR STRUCTURAL PURPOSES	Type	Performed By	Code References and Notes
Test or Special Inspection	Continuance	SI	Table 1706A.2.2, Items 1a, 1b, 1c, 1d, 1e, 1f, 1g, 1h, 1i, 1j, 1k, 1l, 1m, 1n, 1o, 1p, 1q, 1r, 1s, 1t, 1u, 1v, 1w, 1x, 1y, 1z, 1aa, 1ab, 1ac, 1ad, 1ae, 1af, 1ag, 1ah, 1ai, 1aj, 1ak, 1al, 1am, 1an, 1ao, 1ap, 1aq, 1ar, 1as, 1at, 1au, 1av, 1aw, 1ax, 1ay, 1az, 1ba, 1bb, 1bc, 1bd, 1be, 1bf, 1bg, 1bh, 1bi, 1bj, 1bk, 1bl, 1bm, 1bn, 1bo, 1bp, 1bq, 1br, 1bs, 1bt, 1bu, 1bv, 1bw, 1bx, 1by, 1bz, 1ca, 1cb, 1cc, 1cd, 1ce, 1cf, 1cg, 1ch, 1ci, 1cj, 1ck, 1cl, 1cm, 1cn, 1co, 1cp, 1cq, 1cr, 1cs, 1ct, 1cu, 1cv, 1cw, 1cx, 1cy, 1cz, 1da, 1db, 1dc, 1dd, 1de, 1df, 1dg, 1dh, 1di, 1dj, 1dk, 1dl, 1dm, 1dn, 1do, 1dp, 1dq, 1dr, 1ds, 1dt, 1du, 1dv, 1dw, 1dx, 1dy, 1dz, 1ea, 1eb, 1ec, 1ed, 1ee, 1ef, 1eg, 1eh, 1ei, 1ej, 1ek, 1el, 1em, 1en, 1eo, 1ep, 1eq, 1er, 1es, 1et, 1eu, 1ev, 1ew, 1ex, 1ey, 1ez, 1fa, 1fb, 1fc, 1fd, 1fe, 1ff, 1fg, 1fh, 1fi, 1fj, 1fk, 1fl, 1fm, 1fn, 1fo, 1fp, 1fq, 1fr, 1fs, 1ft, 1fu, 1fv, 1fw, 1fx, 1fy, 1fz, 1ga, 1gb, 1gc, 1gd, 1ge, 1gf, 1gg, 1gh, 1gi, 1gj, 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1oe, 1of, 1og, 1oh, 1oi, 1oj, 1ok, 1ol, 1om, 1on, 1oo, 1op, 1oq, 1or, 1os, 1ot, 1ou, 1ov, 1ow, 1ox, 1oy, 1oz, 1pa, 1pb, 1pc, 1pd, 1pe, 1pf, 1pg, 1ph, 1pi, 1pj, 1pk, 1pl, 1pm, 1pn, 1po, 1pp, 1pq, 1pr, 1ps, 1pt, 1pu, 1pv, 1pw, 1px, 1py, 1pz, 1qa, 1qb, 1qc, 1qd, 1qe, 1qf, 1qg, 1qh, 1qi, 1qj, 1qk, 1ql, 1qm, 1qn, 1qo, 1qp, 1qq, 1qr, 1qs, 1qt, 1qu, 1qv, 1qw, 1qx, 1qy, 1qz, 1ra, 1rb, 1rc, 1rd, 1re, 1rf, 1rg, 1rh, 1ri, 1rj, 1rk, 1rl, 1rm, 1rn, 1ro, 1rp, 1rq, 1rr, 1rs, 1rt, 1ru, 1rv, 1rw, 1rx, 1ry, 1rz, 1sa, 1sb, 1sc, 1sd, 1se, 1sf, 1sg, 1sh, 1si, 1sj, 1sk, 1sl, 1sm, 1sn, 1so, 1sp, 1sq, 1sr, 1ss, 1st, 1su, 1sv, 1sw, 1sx, 1sy, 1sz, 1ta, 1tb, 1tc, 1td, 1te, 1tf, 1tg, 1th, 1ti, 1tj, 1tk, 1tl, 1tm, 1tn, 1to, 1tp, 1tq, 1tr, 1ts, 1tt, 1tu, 1tv, 1tw, 1tx, 1ty, 1tz, 1ua, 1ub, 1uc, 1ud, 1ue, 1uf, 1ug, 1uh, 1ui, 1uj, 1uk, 1ul, 1um, 1un, 1uo, 1up, 1uq, 1ur, 1us, 1ut, 1uu, 1uv, 1uw, 1ux, 1uy, 1uz, 1va, 1vb, 1vc, 1vd, 1ve, 1vf, 1vg, 1vh, 1vi, 1vj, 1vk, 1vl, 1vm, 1vn, 1vo, 1vp, 1vq, 1vr, 1vs, 1vt, 1vu, 1vv, 1vw, 1vx, 1vy, 1vz, 1wa, 1wb, 1wc, 1wd, 1we, 1wf, 1wg, 1wh, 1wi, 1wj, 1wk, 1wl, 1wm, 1wn, 1wo, 1wp, 1wq, 1wr, 1ws, 1wt, 1wu, 1wv, 1ww, 1wx, 1wy, 1wz, 1xa, 1xb, 1xc, 1xd, 1xe, 1xf, 1xg, 1xh, 1xi, 1xj, 1xk, 1xl, 1xm, 1xn, 1xo, 1xp, 1xq, 1xr, 1xs, 1xt, 1xu, 1xv, 1xw, 1xx, 1xy, 1xz, 1ya, 1yb, 1yc, 1yd, 1ye, 1yf, 1yg, 1yh, 1yi, 1yj, 1yk, 1yl, 1ym, 1yn, 1yo, 1yp, 1yq, 1yr, 1ys, 1yt, 1yu, 1yv, 1yw, 1yx, 1yy, 1yz, 1za, 1zb, 1zc, 1zd, 1ze, 1zf, 1zg, 1zh, 1zi, 1zj, 1zk, 1zl, 1zm, 1zn, 1zo, 1zp, 1zq, 1zr, 1zs, 1zt, 1zu, 1zv, 1zw, 1zx, 1zy, 1zz, 2aa, 2ab, 2ac, 2ad, 2ae, 2af, 2ag, 2ah, 2ai, 2aj, 2ak, 2al, 2am, 2an, 2ao, 2ap, 2aq, 2ar, 2as, 2at, 2au, 2av, 2aw, 2ax, 2ay, 2az, 2ba, 2bb, 2bc, 2bd, 2be, 2bf, 2bg, 2bh, 2bi, 2bj, 2bk, 2bl, 2bm, 2bn, 2bo, 2bp, 2bq, 2br, 2bs, 2bt, 2bu, 2bv, 2bw, 2bx, 2by, 2bz, 2ca, 2cb, 2cc, 2cd, 2ce, 2cf, 2cg, 2ch, 2ci, 2cj, 2ck, 2cl, 2cm, 2cn, 2co, 2cp, 2cq, 2cr, 2cs, 2ct, 2cu, 2cv, 2cw, 2cx, 2cy, 2cz, 2da, 2db, 2dc, 2dd, 2de, 2df, 2dg, 2dh, 2di, 2dj, 2dk, 2dl, 2dm, 2dn, 2do, 2dp, 2dq, 2dr, 2ds, 2dt, 2du, 2dv, 2dw, 2dx, 2dy, 2dz, 2ea, 2eb, 2ec, 2ed, 2ee, 2ef, 2eg, 2eh, 2ei, 2ej, 2ek, 2el, 2em, 2en, 2eo, 2ep, 2eq, 2er, 2es, 2et, 2eu, 2ev, 2ew, 2ex, 2ey, 2ez, 2fa, 2fb, 2fc, 2fd, 2fe, 2ff, 2fg, 2fh, 2fi, 2fj, 2fk, 2fl, 2fm, 2fn, 2fo, 2fp, 2fq, 2fr, 2fs, 2ft, 2fu, 2fv, 2fw, 2fx, 2fy, 2fz, 2ga, 2gb, 2gc, 2gd, 2ge, 2gf, 2gg, 2gh, 2gi, 2gj, 2gk, 2gl, 2gm, 2gn, 2go, 2gp, 2gq, 2gr, 2gs, 2gt, 2gu, 2gv, 2gw, 2gx, 2gy, 2gz, 2ha, 2hb, 2hc, 2hd, 2he, 2hf, 2hg, 2hi, 2hj, 2hk, 2hl, 2hm, 2hn, 2ho, 2hp, 2hq, 2hr, 2hs, 2ht, 2hu, 2hv, 2hw, 2hx, 2hy, 2hz, 2ia, 2ib, 2ic, 2id, 2ie, 2if, 2ig, 2ih, 2ii, 2ij, 2ik, 2il, 2im, 2in, 2io, 2ip, 2iq, 2ir, 2is, 2it, 2iu, 2iv, 2iw, 2ix, 2iy, 2iz, 2ja, 2jb, 2jc, 2jd, 2je, 2jf, 2jg, 2jh, 2ji, 2jj, 2jk, 2jl, 2jm, 2jn, 2jo, 2jp, 2jq, 2jr, 2js, 2jt, 2ju, 2jv, 2jw, 2jx, 2jy, 2jz, 2ka, 2kb, 2kc, 2kd, 2ke, 2kf, 2kg, 2kh, 2ki, 2kj, 2kl, 2km, 2kn, 2ko, 2kp, 2kq, 2kr, 2ks, 2kt, 2ku, 2kv, 2kw, 2kx, 2ky, 2kz, 2la, 2lb, 2lc, 2ld, 2le, 2lf, 2lg, 2lh, 2li, 2lj, 2lk, 2ll, 2lm, 2ln, 2lo, 2lp, 2lq, 2lr, 2ls, 2lt, 2lu, 2lv, 2lw, 2lx, 2ly, 2lz, 2ma, 2mb, 2mc, 2md, 2me, 2mf, 2mg, 2mh, 2mi, 2mj, 2mk, 2ml, 2mm, 2mn, 2mo, 2mp, 2mq, 2mr, 2ms, 2mt, 2mu, 2mv, 2mw, 2mx, 2my, 2mz, 2na, 2nb, 2nc, 2nd, 2ne, 2nf, 2ng, 2nh, 2ni, 2nj, 2nk, 2nl, 2nm, 2nn, 2no, 2np, 2nq, 2nr, 2ns, 2nt, 2nu, 2nv, 2nw, 2nx, 2ny, 2nz, 2oa, 2ob, 2oc, 2od, 2oe, 2of, 2og, 2oh, 2oi, 2oj, 2ok, 2ol, 2om, 2on, 2oo, 2op, 2oq, 2or, 2os, 2ot, 2ou, 2ov, 2ow, 2ox, 2oy, 2oz, 2pa, 2pb, 2pc, 2pd, 2pe, 2pf, 2pg, 2ph, 2pi, 2pj, 2pk, 2pl, 2pm, 2pn, 2po, 2pp, 2pq, 2pr, 2ps, 2pt, 2pu, 2pv, 2pw, 2px, 2py, 2pz, 2qa, 2qb, 2qc, 2qd, 2qe, 2qf, 2qg, 2qh, 2qi, 2qj, 2qk, 2ql, 2qm, 2qn, 2qo, 2qp, 2qq, 2qr, 2qs, 2qt, 2qu, 2qv, 2qw, 2qx, 2qy, 2qz, 2ra, 2rb, 2rc, 2rd, 2re, 2rf, 2rg, 2rh, 2ri, 2rj, 2rk, 2rl, 2rm, 2rn, 2ro, 2rp, 2rq, 2rr, 2rs, 2rt, 2ru, 2rv, 2rw, 2rx, 2ry, 2rz, 2sa, 2sb, 2sc, 2sd, 2se, 2sf, 2sg, 2sh, 2si, 2sj, 2sk, 2sl, 2sm, 2sn, 2so, 2sp, 2sq, 2sr, 2ss, 2st, 2su, 2sv, 2sw, 2sx, 2sy, 2sz, 2ta, 2tb, 2tc, 2td, 2te, 2tf, 2tg, 2th, 2ti, 2tj, 2tk, 2tl, 2tm, 2tn, 2to, 2tp, 2tq, 2tr, 2ts, 2tt, 2tu, 2tv, 2tw, 2tx, 2ty, 2tz, 2ua, 2ub, 2uc, 2ud, 2ue, 2uf, 2ug, 2uh, 2ui, 2uj, 2uk, 2ul, 2um, 2un, 2uo, 2up, 2uq, 2ur, 2us, 2ut, 2uu, 2uv, 2uw, 2ux, 2uy, 2uz, 2va, 2vb, 2vc, 2vd, 2ve, 2vf, 2vg, 2vh, 2vi, 2vj, 2vk, 2vl, 2vm, 2vn, 2vo, 2vp, 2vq, 2vr, 2vs, 2vt, 2vu, 2vv, 2vw, 2vx, 2vy, 2vz, 2wa, 2wb, 2wc, 2wd, 2we, 2wf, 2wg, 2wh, 2wi, 2wj, 2wk, 2wl, 2wm, 2wn, 2wo, 2wp, 2wq, 2wr, 2ws, 2wt, 2wu, 2wv, 2ww, 2wx, 2wy, 2wz, 2xa, 2xb, 2xc, 2xd, 2xe, 2xf, 2xg, 2xh, 2xi, 2xj, 2xk, 2xl, 2xm, 2xn, 2xo, 2xp, 2xq, 2xr, 2xs, 2xt, 2xu, 2xv, 2xw, 2xx, 2xy, 2xz, 2ya, 2yb, 2yc, 2yd, 2ye, 2yf, 2yg, 2yh, 2yi, 2yj, 2yk, 2yl, 2ym, 2yn, 2yo, 2yp, 2yq, 2yr, 2ys, 2yt, 2yu, 2yv, 2yw, 2yx, 2yy, 2yz, 2za, 2zb, 2zc, 2zd, 2ze, 2zf, 2zg, 2zh, 2zi, 2zj, 2zk, 2zl, 2zm, 2zn, 2zo, 2zp, 2zq, 2zr, 2zs, 2zt, 2zu, 2zv, 2zw, 2zx, 2zy, 2zz, 3aa, 3ab, 3ac, 3ad, 3ae, 3af, 3ag, 3ah, 3ai, 3aj, 3ak, 3al, 3am, 3an, 3ao, 3ap, 3aq, 3ar, 3as, 3at, 3au, 3av, 3aw, 3ax, 3ay, 3az, 3ba, 3bb, 3bc, 3bd, 3be, 3bf, 3bg, 3bh, 3bi, 3bj, 3bk, 3bl, 3bm, 3bn, 3bo, 3bp, 3bq, 3br, 3bs, 3bt, 3bu, 3bv, 3bw, 3bx, 3by, 3bz, 3ca, 3cb, 3cc, 3cd, 3ce, 3cf, 3cg, 3ch, 3ci, 3cj, 3ck, 3cl, 3cm, 3cn, 3co, 3cp, 3cq, 3cr, 3cs, 3ct, 3cu, 3cv, 3cw, 3cx, 3cy, 3cz, 3da, 3db, 3dc, 3dd, 3de, 3df, 3dg, 3dh, 3di, 3dj, 3dk, 3dl, 3dm, 3dn, 3do, 3dp, 3dq, 3dr, 3ds, 3dt, 3du, 3dv, 3dw, 3dx, 3dy, 3dz, 3ea, 3eb, 3ec, 3ed, 3ee, 3ef, 3eg, 3eh, 3ei, 3ej, 3ek, 3el, 3em, 3en, 3eo, 3ep, 3eq, 3er, 3es, 3et, 3eu, 3ev, 3ew, 3ex, 3ey, 3ez, 3fa, 3fb, 3fc, 3fd, 3fe, 3ff, 3fg, 3fh, 3fi, 3fj, 3fk, 3fl, 3fm, 3fn, 3fo, 3fp, 3fq, 3fr, 3fs, 3ft, 3fu, 3fv, 3fw, 3fx, 3fy, 3fz, 3ga, 3gb, 3gc, 3gd, 3ge, 3gf, 3gg, 3gh, 3gi, 3gj, 3gk, 3gl, 3gm, 3gn, 3go, 3gp, 3gq, 3gr, 3gs, 3gt, 3gu, 3gv, 3gw, 3gx, 3gy, 3gz, 3ha, 3hb, 3hc, 3hd, 3he, 3hf, 3hg, 3hi, 3hj, 3hk, 3hl, 3hm, 3hn, 3ho, 3hp, 3hq, 3hr, 3hs, 3ht, 3hu, 3hv, 3hw, 3hx, 3hy, 3hz, 3ia, 3ib, 3ic, 3id, 3ie, 3if, 3ig, 3ih, 3ii, 3ij, 3ik, 3il, 3im, 3in, 3io, 3ip, 3iq, 3ir, 3is, 3it, 3iu, 3iv, 3iw, 3ix, 3iy, 3iz, 3ja, 3jb, 3jc, 3jd, 3je, 3jf, 3jg, 3jh, 3ji, 3jj, 3jk, 3jl, 3jm, 3jn, 3jo, 3jp, 3jq, 3jr, 3js, 3jt, 3ju, 3jv, 3jw, 3jx, 3jy, 3jz, 3ka, 3kb, 3kc, 3kd, 3ke, 3kf, 3kg, 3kh, 3ki, 3kj, 3kl, 3km, 3kn, 3ko, 3kp, 3kq, 3kr, 3ks, 3kt, 3ku, 3kv, 3kw, 3kx, 3ky, 3kz, 3la, 3lb, 3lc, 3ld, 3le, 3lf, 3lg, 3lh, 3li, 3lj, 3lk, 3ll, 3lm, 3ln, 3lo, 3lp, 3lq, 3lr, 3ls, 3lt, 3lu, 3lv, 3lw, 3lx, 3ly, 3lz, 3ma, 3mb, 3mc, 3md, 3me, 3mf, 3mg, 3mh, 3mi, 3mj, 3mk, 3ml, 3mm, 3mn, 3mo, 3mp, 3mq, 3mr, 3ms, 3mt, 3mu, 3mv, 3mw, 3mx, 3my, 3mz, 3na, 3nb, 3nc, 3nd, 3ne, 3nf, 3ng, 3nh, 3ni, 3nj, 3nk, 3nl, 3nm, 3nn, 3no, 3np, 3nq, 3nr, 3ns, 3nt, 3nu, 3nv, 3nw, 3nx, 3ny, 3nz, 3oa, 3ob, 3oc, 3od, 3oe, 3of, 3og, 3oh, 3oi, 3oj, 3ok, 3ol, 3om, 3on, 3oo, 3op, 3oq, 3or, 3os, 3ot, 3ou, 3ov, 3ow, 3ox, 3oy, 3oz, 3pa, 3pb, 3pc, 3pd, 3pe, 3pf, 3pg, 3ph, 3pi, 3pj, 3pk, 3pl, 3pm, 3pn, 3po, 3pp, 3pq, 3pr, 3ps, 3pt, 3pu, 3pv, 3pw, 3px, 3py, 3pz, 3qa, 3qb, 3qc, 3qd, 3qe, 3qf, 3qg, 3qh, 3qi, 3qj, 3qk, 3ql, 3qm, 3qn, 3qo, 3qp, 3qq, 3qr, 3qs, 3qt, 3qu, 3qv, 3qw, 3qx, 3qy, 3qz, 3ra, 3rb, 3rc, 3rd, 3re, 3rf, 3rg, 3rh, 3ri, 3rj, 3rk, 3rl, 3rm, 3rn, 3ro, 3rp, 3rq, 3rr, 3rs, 3rt, 3ru, 3rv, 3rw, 3rx, 3ry, 3rz, 3sa, 3sb, 3sc, 3sd, 3se, 3sf, 3sg, 3sh, 3si, 3sj, 3sk, 3sl, 3sm, 3sn, 3so, 3sp, 3sq, 3sr, 3ss, 3st, 3su, 3sv, 3sw, 3sx, 3sy, 3sz, 3ta, 3tb, 3tc, 3td, 3te, 3tf, 3tg, 3th, 3ti, 3tj, 3tk, 3tl, 3tm, 3tn, 3to, 3tp, 3tq, 3tr, 3ts, 3tt, 3tu, 3tv, 3tw, 3tx, 3ty, 3tz, 3ua, 3ub, 3uc, 3ud, 3ue, 3uf, 3ug, 3uh, 3ui, 3uj, 3uk, 3ul, 3um, 3un, 3uo, 3up, 3uq, 3ur, 3us, 3ut, 3uu, 3uv, 3uw, 3ux, 3uy, 3uz, 3va, 3vb, 3vc, 3vd, 3ve, 3vf, 3vg, 3vh, 3vi, 3vj, 3vk, 3vl, 3vm, 3vn, 3vo, 3vp, 3vq, 3vr, 3vs, 3vt, 3vu, 3vv, 3vw, 3vx, 3vy, 3vz, 3wa, 3wb, 3wc, 3wd, 3we, 3wf, 3wg, 3wh, 3wi, 3wj, 3wk, 3wl, 3wm, 3wn, 3wo, 3wp, 3wq, 3wr, 3ws, 3wt, 3wu, 3wv, 3ww, 3wx, 3wy, 3wz, 3xa, 3xb, 3xc, 3xd, 3xe, 3xf, 3xg, 3xh, 3xi, 3xj, 3xk, 3xl, 3xm, 3xn, 3xo, 3xp, 3xq, 3xr, 3xs, 3xt, 3xu, 3xv, 3xw, 3xx, 3xy, 3xz, 3ya, 3yb, 3yc, 3yd, 3ye, 3yf, 3yg, 3yh, 3yi, 3yj, 3yk, 3yl, 3ym, 3yn, 3yo, 3yp, 3yq, 3yr, 3ys, 3yt, 3yu, 3yv, 3yw, 3yx, 3yy, 3yz, 3za, 3zb, 3zc, 3zd, 3ze, 3zf, 3zg, 3zh, 3zi, 3zj, 3zk, 3zl, 3zm, 3zn, 3zo, 3zp, 3zq, 3zr, 3zs, 3zt, 3zu, 3zv, 3zw, 3zx, 3zy, 3zz, 4aa, 4ab, 4ac, 4ad, 4ae, 4af, 4ag, 4ah, 4ai, 4aj, 4ak, 4al, 4am, 4an, 4ao, 4ap, 4aq, 4ar, 4as, 4at, 4au, 4av, 4aw, 4ax, 4ay, 4az, 4ba, 4bb, 4bc, 4bd, 4be, 4bf, 4bg, 4bh, 4bi, 4bj, 4bk, 4bl, 4bm, 4bn, 4bo, 4bp, 4bq, 4br, 4bs, 4bt, 4bu, 4bv, 4bw, 4bx, 4by, 4bz, 4ca, 4cb, 4cc, 4cd, 4ce, 4cf, 4cg, 4ch, 4ci, 4cj, 4ck, 4cl, 4cm, 4cn, 4co, 4cp, 4cq, 4cr, 4cs, 4ct, 4cu, 4cv, 4cw, 4cx, 4cy, 4cz, 4da, 4db, 4dc, 4dd, 4de, 4df, 4dg, 4dh, 4di, 4dj, 4dk, 4dl, 4dm, 4dn, 4do, 4dp, 4dq, 4dr, 4ds, 4dt, 4du, 4dv, 4dw, 4dx, 4dy, 4dz, 4ea, 4eb, 4ec, 4ed, 4ee, 4ef, 4eg, 4eh, 4ei, 4ej, 4ek, 4el, 4em, 4en, 4eo, 4ep, 4eq, 4er, 4es, 4et, 4eu, 4ev, 4ew, 4ex, 4ey, 4ez, 4fa, 4fb, 4fc, 4fd, 4fe, 4ff, 4fg, 4fh, 4fi, 4fj, 4fk, 4fl, 4fm, 4fn, 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4ni, 4nj, 4nk, 4nl, 4nm, 4nn, 4no, 4np, 4nq, 4nr, 4ns, 4nt, 4nu, 4nv, 4nw, 4nx, 4ny, 4nz, 4oa, 4ob, 4oc, 4od, 4oe, 4of, 4og, 4oh, 4oi, 4oj, 4ok, 4ol, 4om, 4on, 4oo, 4op, 4oq, 4or, 4os, 4ot, 4ou, 4ov, 4ow, 4ox, 4oy, 4oz, 4pa, 4pb, 4pc, 4pd, 4pe, 4pf, 4pg, 4ph, 4pi, 4pj, 4pk, 4pl, 4pm, 4pn, 4po, 4pp, 4pq, 4pr, 4ps, 4pt, 4pu, 4pv, 4pw, 4px, 4py, 4pz, 4qa, 4qb, 4qc, 4qd, 4qe, 4qf, 4qg, 4qh, 4qi, 4qj, 4qk, 4ql, 4qm, 4qn, 4qo, 4qp, 4qq, 4qr, 4qs, 4qt, 4qu, 4qv, 4qw, 4qx, 4qy, 4qz, 4ra, 4rb, 4rc, 4rd, 4re, 4rf, 4rg, 4rh, 4ri, 4rj, 4rk, 4rl, 4rm, 4rn, 4ro, 4rp, 4rq, 4rr, 4rs, 4rt, 4ru, 4rv, 4rw, 4rx, 4ry, 4rz, 4sa, 4sb, 4sc, 4sd, 4se, 4sf, 4sg, 4sh, 4si, 4sj, 4sk, 4sl, 4sm, 4sn, 4so, 4sp, 4sq, 4sr, 4ss, 4st, 4su, 4sv, 4sw, 4sx, 4sy, 4sz, 4ta, 4tb, 4tc, 4td, 4te, 4tf, 4tg, 4th, 4ti, 4tj, 4tk, 4tl, 4tm, 4tn, 4to, 4tp, 4tq, 4tr, 4ts, 4tt, 4tu, 4tv, 4tw, 4tx, 4ty, 4tz, 4ua, 4ub, 4uc, 4ud, 4ue, 4uf, 4ug, 4uh, 4ui, 4uj, 4uk, 4ul, 4um, 4un, 4uo, 4up, 4uq, 4ur, 4us, 4ut, 4uu, 4uv, 4uw, 4ux, 4uy, 4uz, 4va, 4vb, 4vc, 4vd, 4ve, 4vf, 4vg, 4vh, 4vi, 4vj, 4vk, 4vl, 4vm, 4vn, 4vo, 4vp, 4vq, 4vr, 4vs, 4vt, 4vu, 4vv, 4vw, 4vx, 4vy, 4vz, 4wa, 4wb, 4wc, 4wd, 4we, 4wf, 4wg, 4wh, 4wi, 4wj, 4wk, 4wl, 4wm, 4wn, 4wo, 4wp, 4wq, 4wr, 4ws, 4wt, 4wu, 4wv, 4ww, 4wx, 4wy, 4wz, 4xa, 4xb, 4xc, 4xd, 4xe, 4xf, 4xg, 4xh, 4xi, 4xj, 4xk, 4xl, 4xm, 4xn, 4xo, 4xp, 4xq, 4xr, 4xs, 4xt, 4xu, 4xv, 4xw, 4xx, 4xy, 4xz, 4ya, 4yb, 4yc, 4yd, 4ye, 4yf, 4yg, 4yh, 4yi, 4yj, 4yk, 4yl, 4ym, 4yn, 4yo, 4yp, 4yq, 4yr, 4ys, 4yt, 4yu, 4yv, 4yw, 4yx, 4yy, 4yz, 4za, 4zb, 4zc, 4zd, 4ze, 4zf, 4zg, 4zh, 4zi, 4zj, 4zk, 4zl, 4zm, 4zn, 4zo, 4zp, 4zq, 4zr, 4zs, 4zt, 4zu, 4zv, 4zw, 4zx, 4zy, 4zz, 5aa, 5ab, 5ac, 5ad, 5ae, 5af, 5ag, 5ah, 5ai, 5aj, 5ak, 5al, 5am, 5an, 5ao, 5ap, 5aq, 5ar, 5as, 5at, 5au, 5av, 5aw, 5ax, 5ay, 5az, 5ba, 5bb, 5bc, 5bd, 5be, 5bf, 5bg, 5bh, 5bi, 5bj, 5bk, 5bl, 5bm, 5bn, 5bo, 5bp, 5bq, 5br, 5bs, 5bt, 5bu, 5bv, 5bw, 5bx, 5by, 5bz, 5ca, 5cb, 5cc, 5cd, 5ce, 5cf, 5cg, 5ch, 5ci, 5cj, 5ck, 5cl, 5cm, 5cn, 5co, 5cp, 5cq, 5cr, 5cs, 5ct, 5cu, 5cv, 5cw, 5cx, 5cy, 5cz, 5da, 5db, 5dc, 5dd, 5de, 5df, 5dg, 5dh, 5di, 5dj, 5dk, 5dl, 5dm, 5dn, 5do, 5dp, 5dq, 5dr, 5ds, 5dt, 5du, 5dv, 5dw, 5dx, 5dy, 5dz, 5ea, 5eb, 5ec, 5ed, 5ee, 5ef, 5eg, 5eh, 5ei, 5ej, 5ek, 5el, 5em, 5en, 5eo, 5ep, 5eq, 5er, 5es, 5et, 5eu, 5ev, 5ew, 5ex, 5ey, 5ez, 5fa, 5fb, 5fc, 5fd, 5fe, 5ff, 5fg, 5fh, 5fi, 5fj, 5fk, 5fl, 5fm, 5fn, 5fo, 5fp, 5fq, 5fr, 5fs, 5ft, 5fu, 5fv, 5fw, 5fx, 5fy, 5fz, 5ga, 5gb, 5gc, 5gd, 5ge, 5gf, 5gg, 5gh, 5gi, 5gj, 5gk, 5gl, 5gm, 5gn, 5go, 5gp, 5gq, 5gr

1-AMM

REQUEST FOR ALTERNATE DESIGN, MATERIALS & METHODS OF CONSTRUCTION

Division of the State Architect (DSA) documents referenced within this publication are available on the [DSA Forms](#) or [DSA Publications](#) webpages.

This information is used in conjunction with DSA Procedure PR 18-01, Request for Alternate Design, Materials and Methods of Construction. Please print or type all information and print for signatures. All fields must be completed. Attach additional sheets as necessary. For requests applicable to CCDs, attach the completed form to form DSA 140: Application for Approval of Construction Change Document – CCDAR.

1. PROJECT INFORMATION		
Project Name: Silver Creek PC3	DSA No. 33 - silvercreek	
Project Scope: PC Reconstruct Designs	DSA App. #	
School District: Silver Creek Modular Inc	Increment # (if applicable)	
School District Mailing Address: 2830 Barrett Ave		
City: Perris	State: CA Zip Code: 92571	
2. CONTACT INFORMATION		
A. Facilities Director: Jack Shively		
Work Email: jshively@silvercreekmodular.com	Work Phone: (951) 943-5393	
B. Firm Architect/Engineer: Jack Starlin		
Work Email: jstarlin@silvercreekmodular.com	Work Phone: (951) 943-5393	
C. Architect/Engineer of Record: Jack Starlin		
Work Email: jstarlin@silvercreekmodular.com	Work Phone: (951) 943-5393	
3. TYPE OF REVIEW REQUESTED		
<input checked="" type="checkbox"/> Structural	<input type="checkbox"/> Fire & Life Safety	
4. PURPOSE OF REVIEW REQUEST		
<input type="checkbox"/> Use of Alternate Materials	<input checked="" type="checkbox"/> Propose Alternate Design	<input checked="" type="checkbox"/> Alternate Method of Construction
Applicable Code(s) and Edition: 2022 CBC		
Applicable Code Section(s): 2304.12.1.2		

5. DESCRIPTION OF CONDITION (Add additional pages if necessary)

2304.12.1.2 requires the use of naturally durable or preservative treated wood where the wall is in close proximity to ground level. The proposed alternate design/method utilizes an adhered moisture flashing and termite barrier to provide protection in lieu of preservative treated wood in the area adjacent to ground level.

The system consists of a single layer of adhered flashing roll (Polyguard TERM Flashing/Moisture/Termite Barrier) which is installed in the factory and which extends up the wall not less than 8" while covering the joint between the plate of the wall and the floor structure. When the building modules are installed on a site a 2nd layer of adhered flashing roll is continued down to the foundation in order to cover the joint between the floor structure and the foundation wall. Galvanized flashing is then installed over the adhered flashing roll. The galvanized flashing continues up the wall 6" from the ground level and below grade to protect the adhered flashing roll.

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REQUEST FOR ALTERNATE DESIGN, MATERIALS & METHODS OF CONSTRUCTION

6. DESCRIPTION OF REQUESTED ALTERNATE (Describe the equivalency for each of the following criteria: suitability, strength, effectiveness, fire resistance, durability, safety, sanitation, indicate N/A when not applicable)

The proposed product/flashing system is specifically intended to be used at base of wall conditions in order to water proof the joint and to provide a termite barrier.

A. Suitability:	N/A
B. Strength:	N/A
C. Effectiveness:	N/A
D. Fire Resistance:	N/A
E. Durability:	The adhered flashing is intended to be a permanent installation not requiring regular maintenance. In addition to the adhered flashing membrane we are providing a galvanized metal flashing at ground level to provide protection from abuse.
F. Safety:	The system has no impact on occupant safety after installation. The safety requirements during installation are similar to other adhesive products.
G. Sanitation:	The system does not require any specific cleaning or maintenance after installation. The installed system provides a more permanent interior environment due to the continuous barrier to pest intrusion that is provided by the membrane.

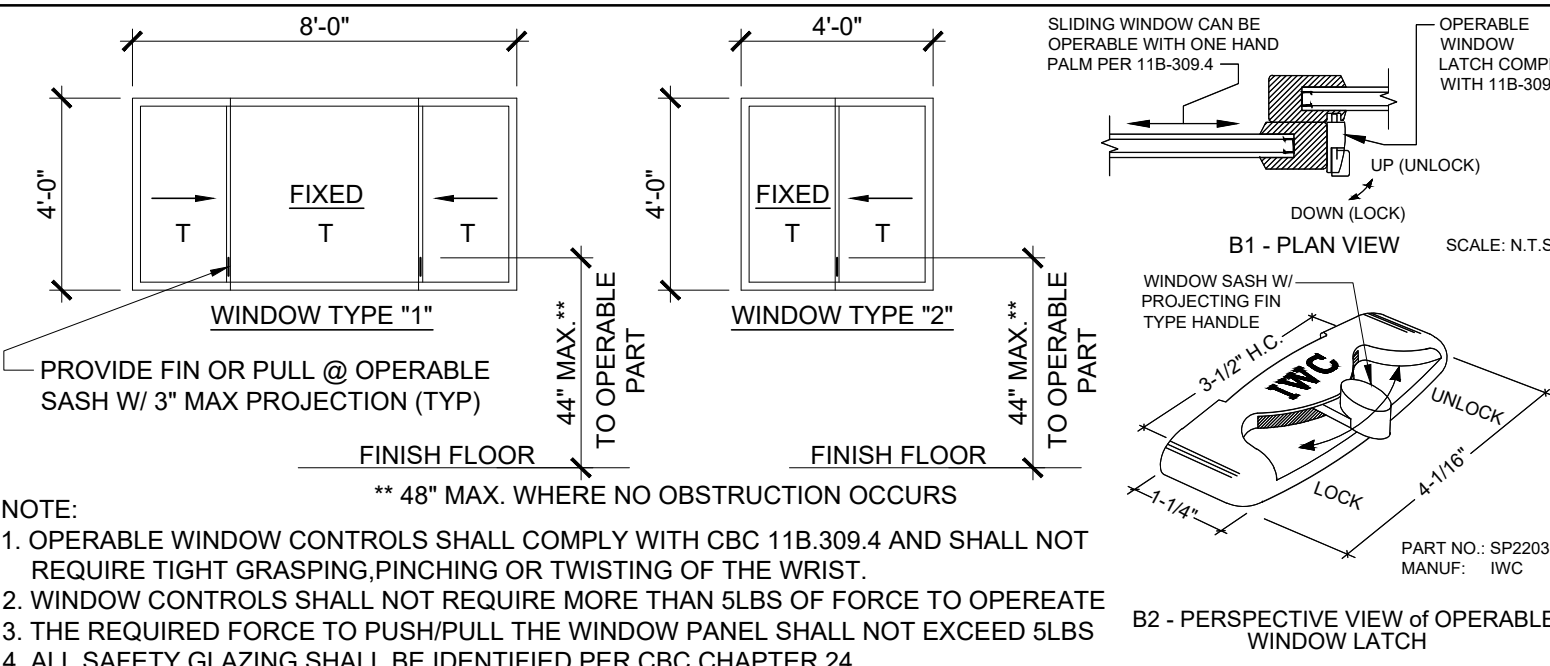
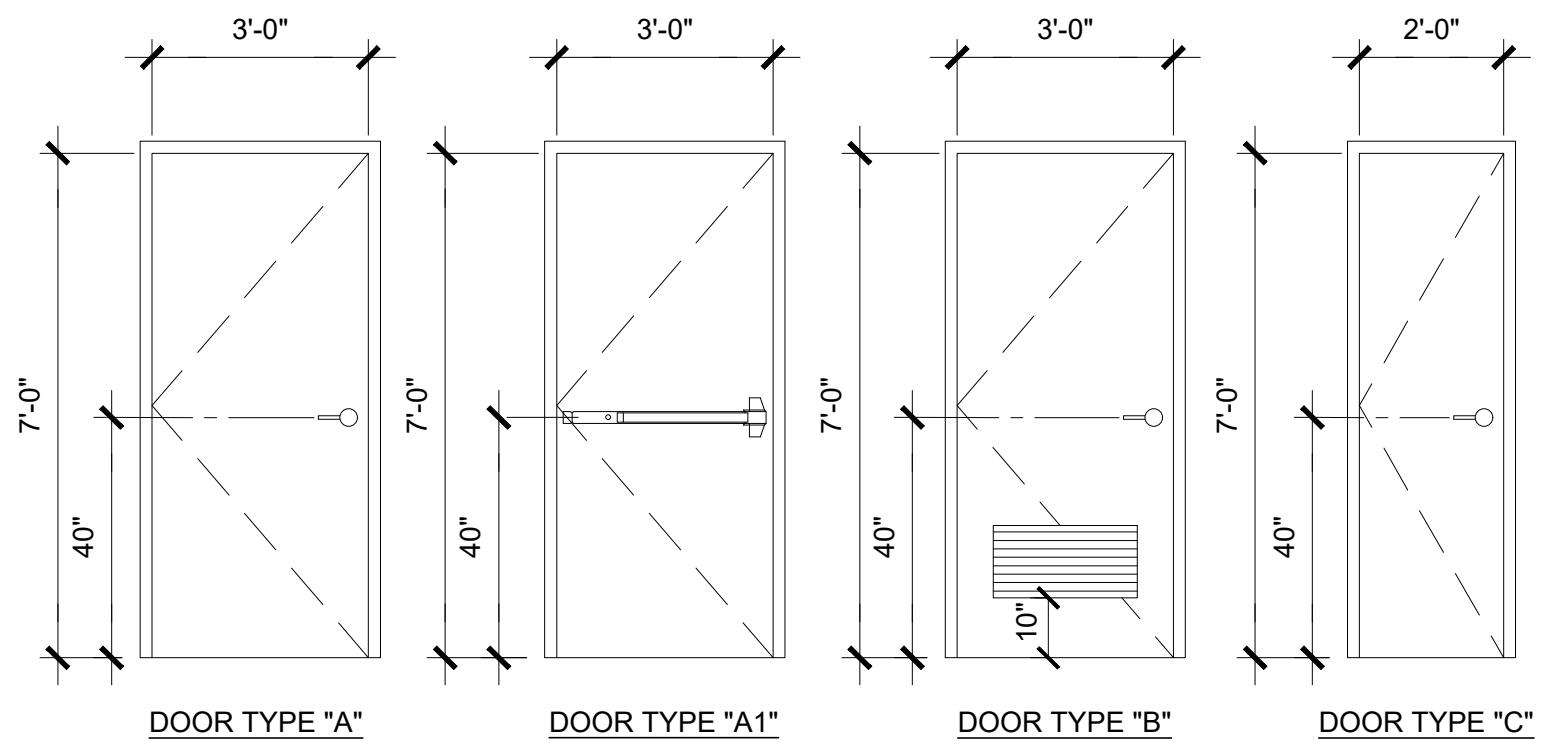
IDENTIFICATION OF SUPPORTING DOCUMENTATION (List all, attach copies of data.)

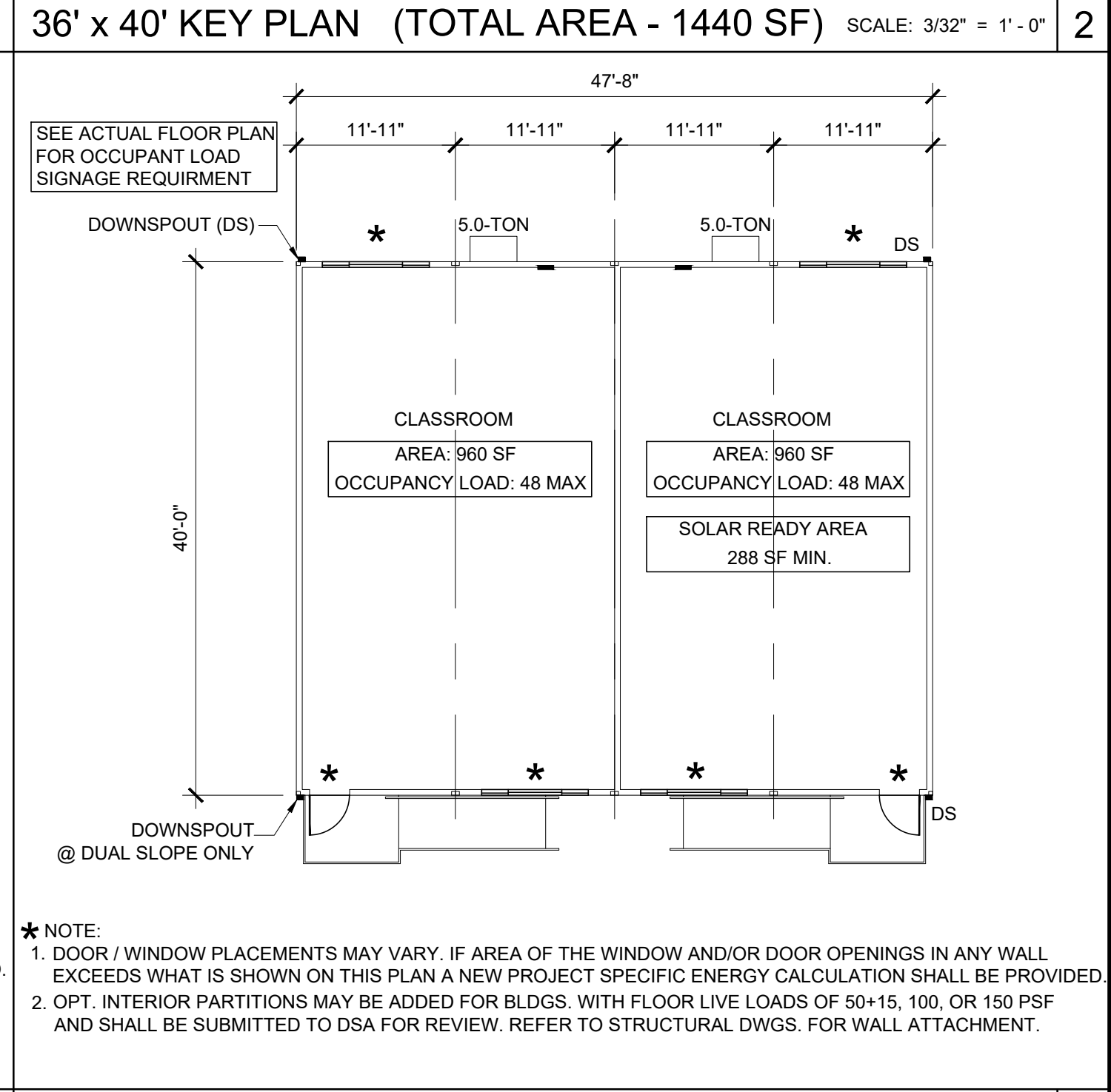
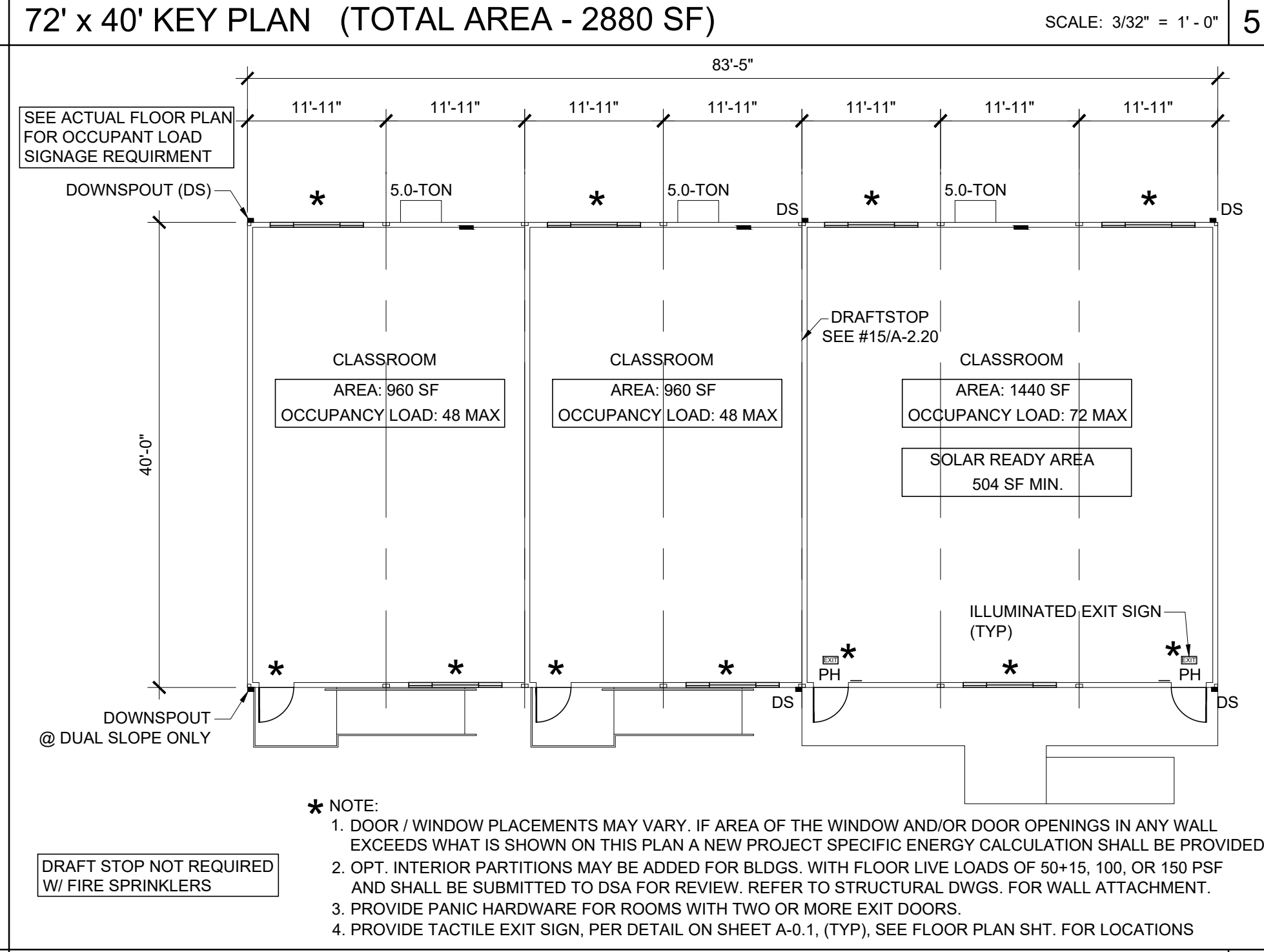
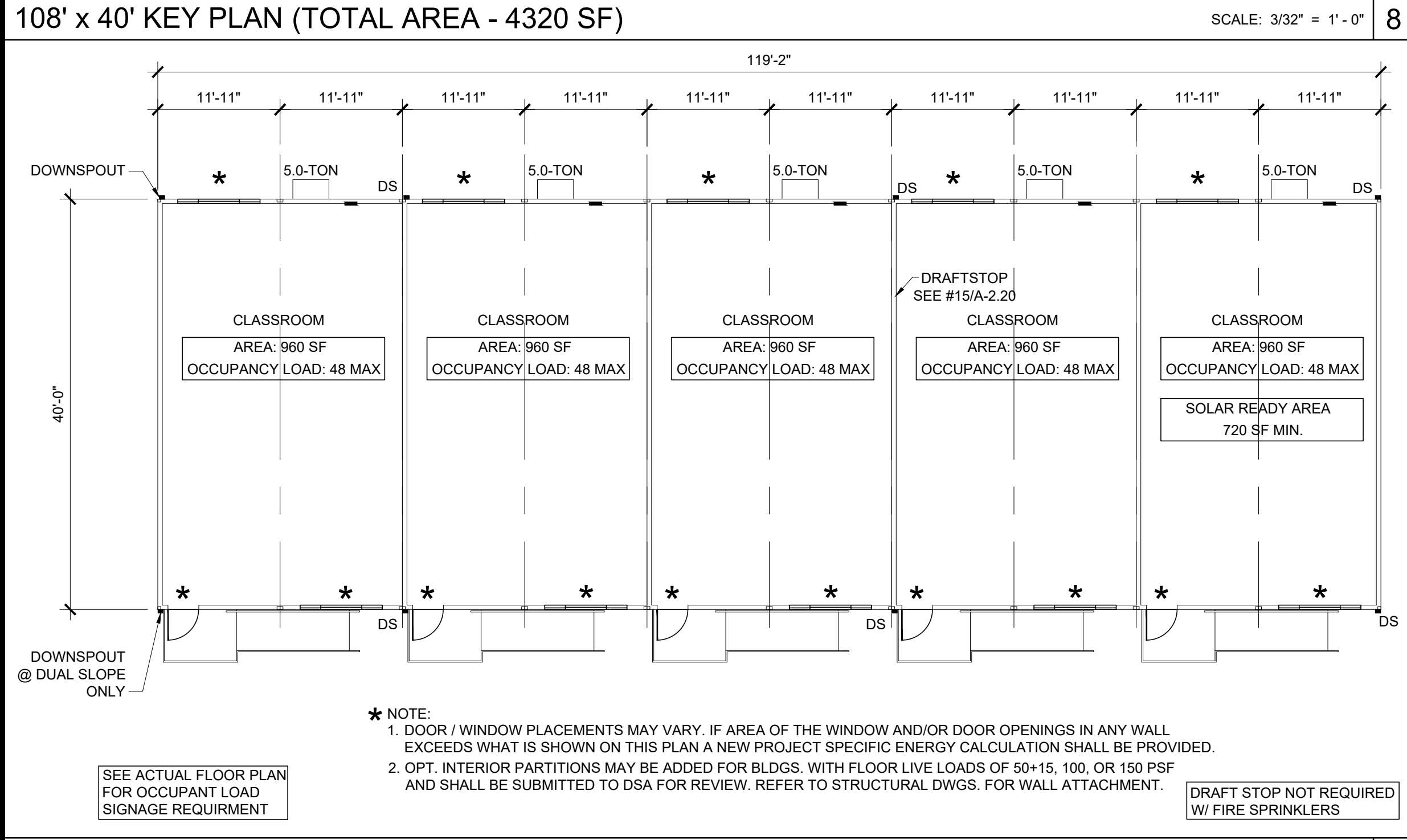
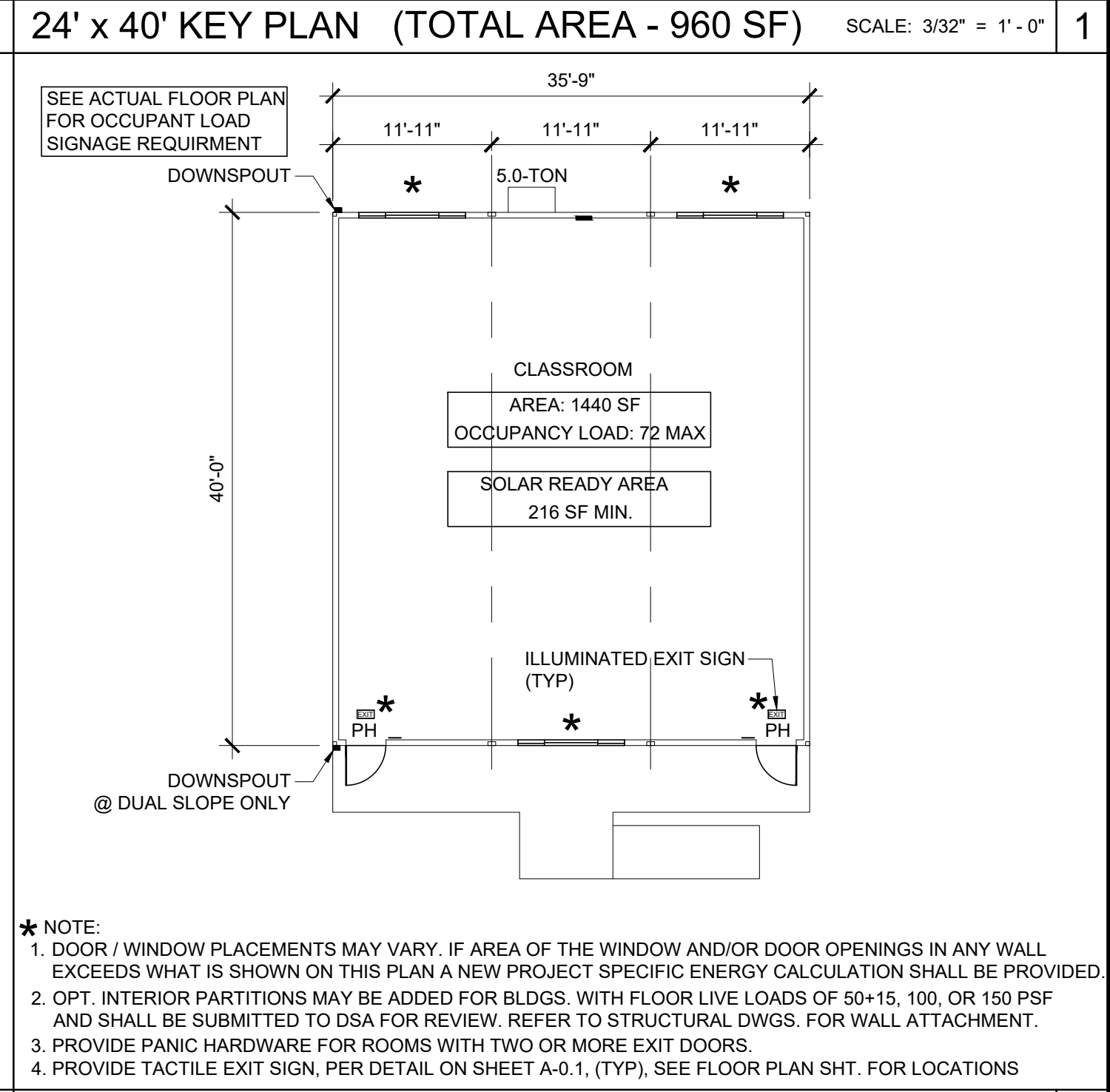
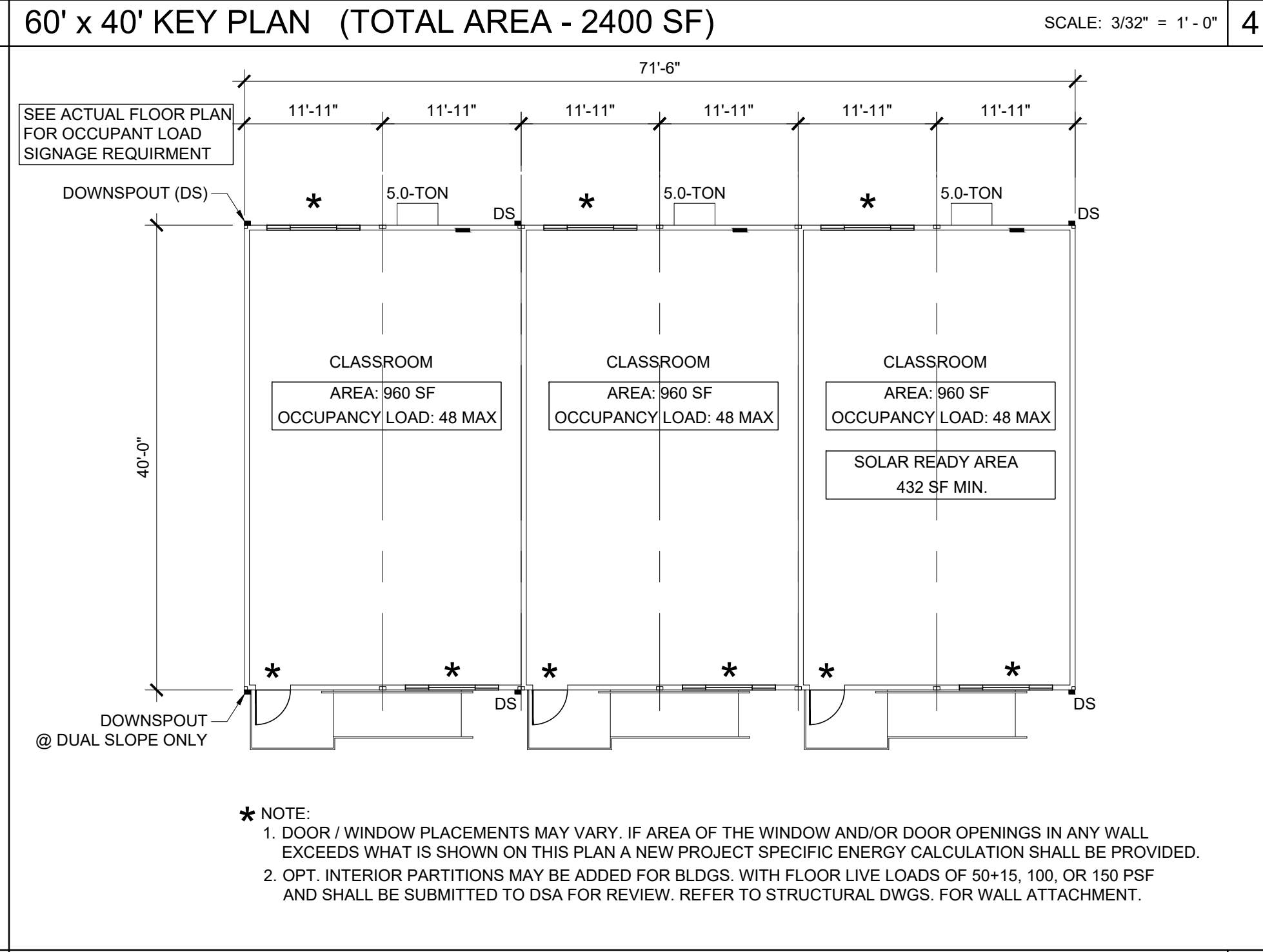
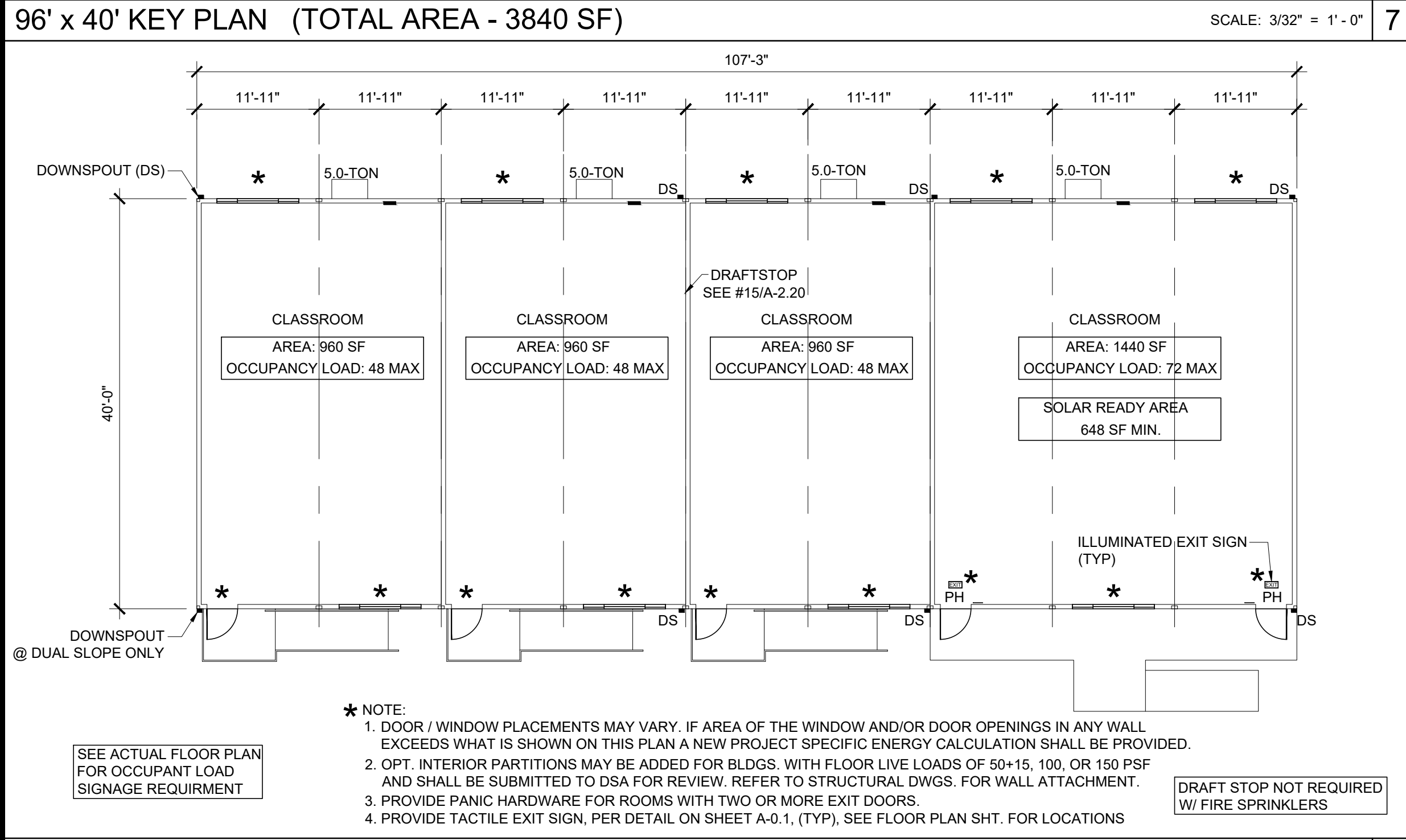
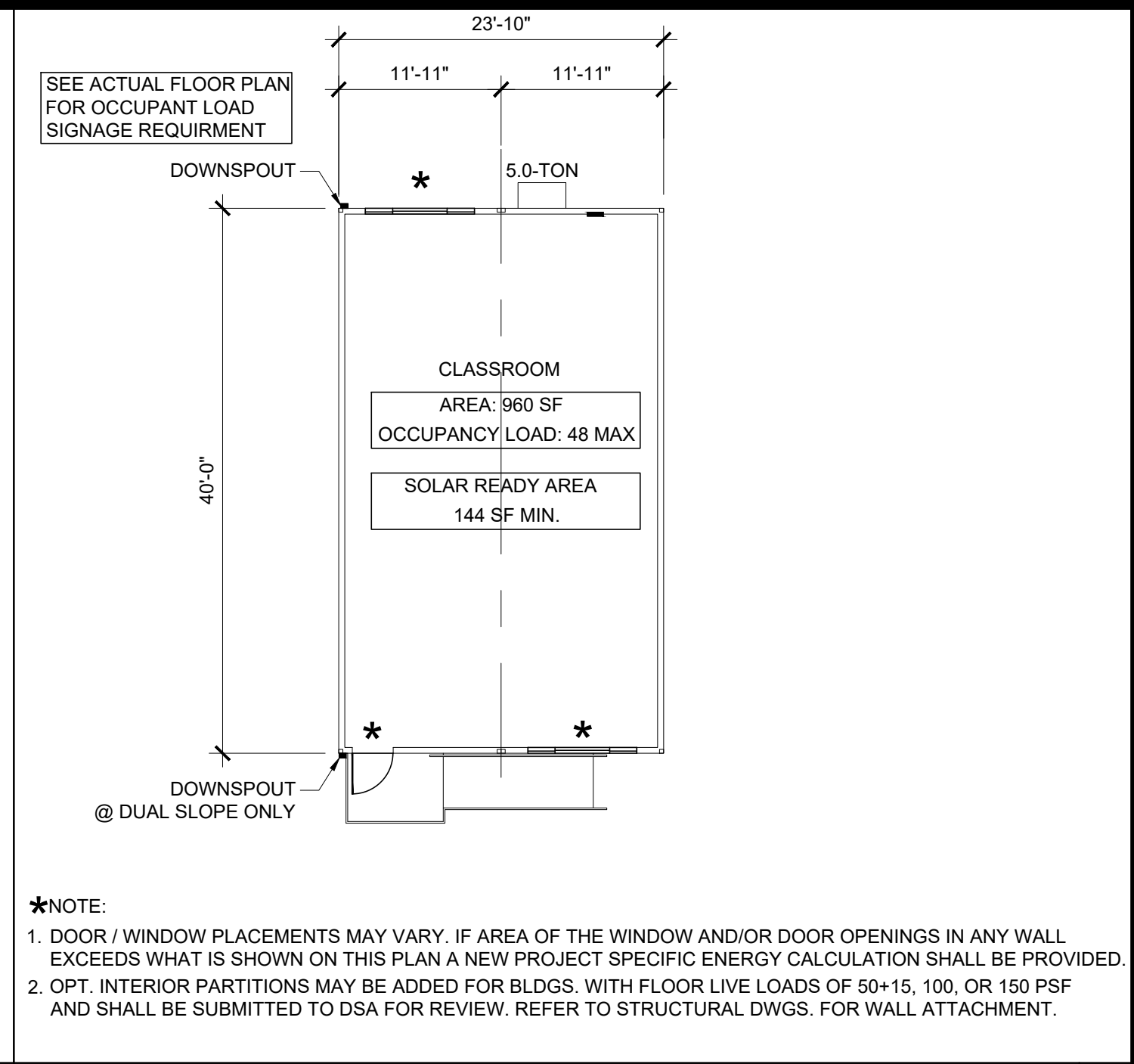
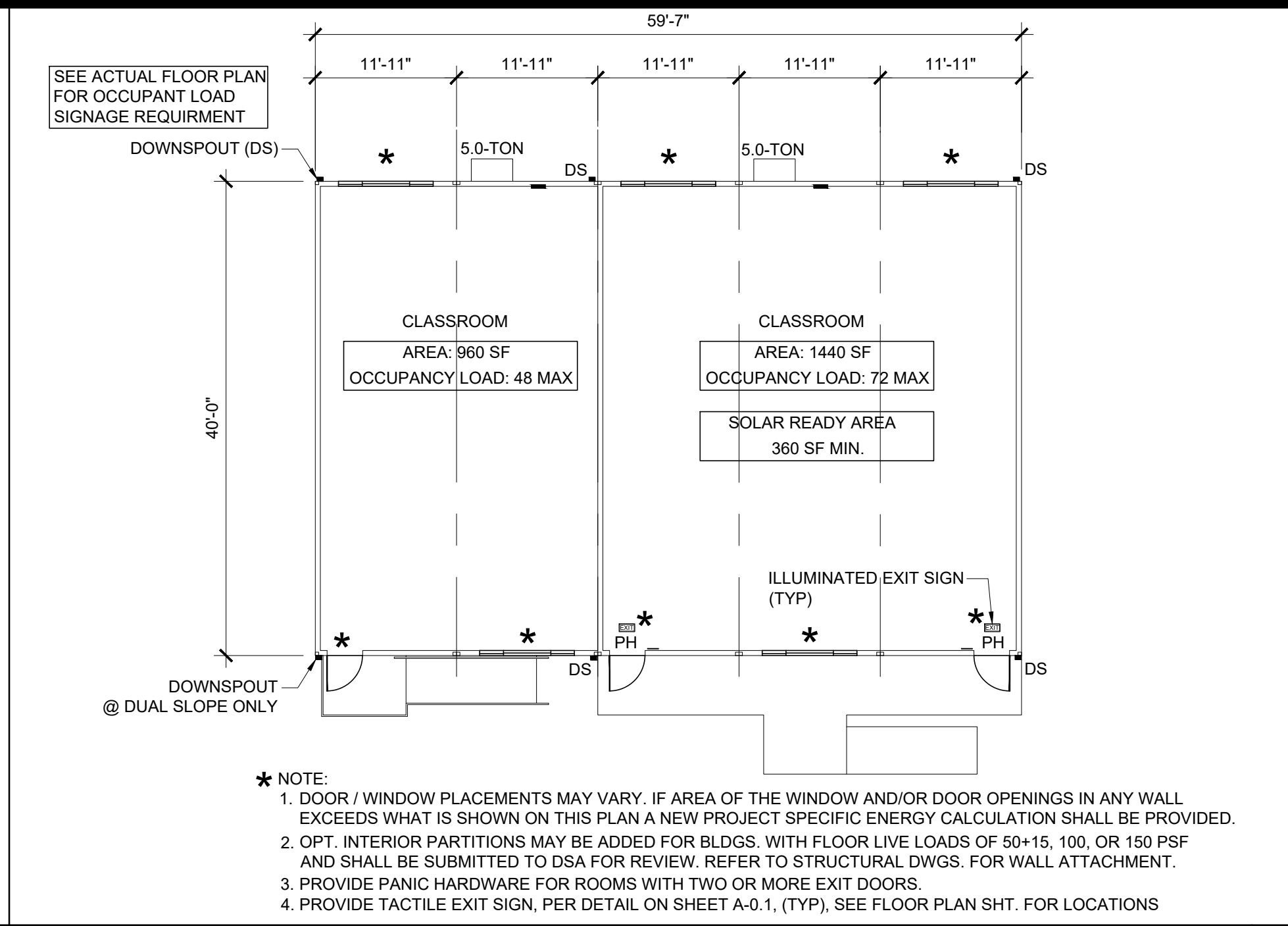
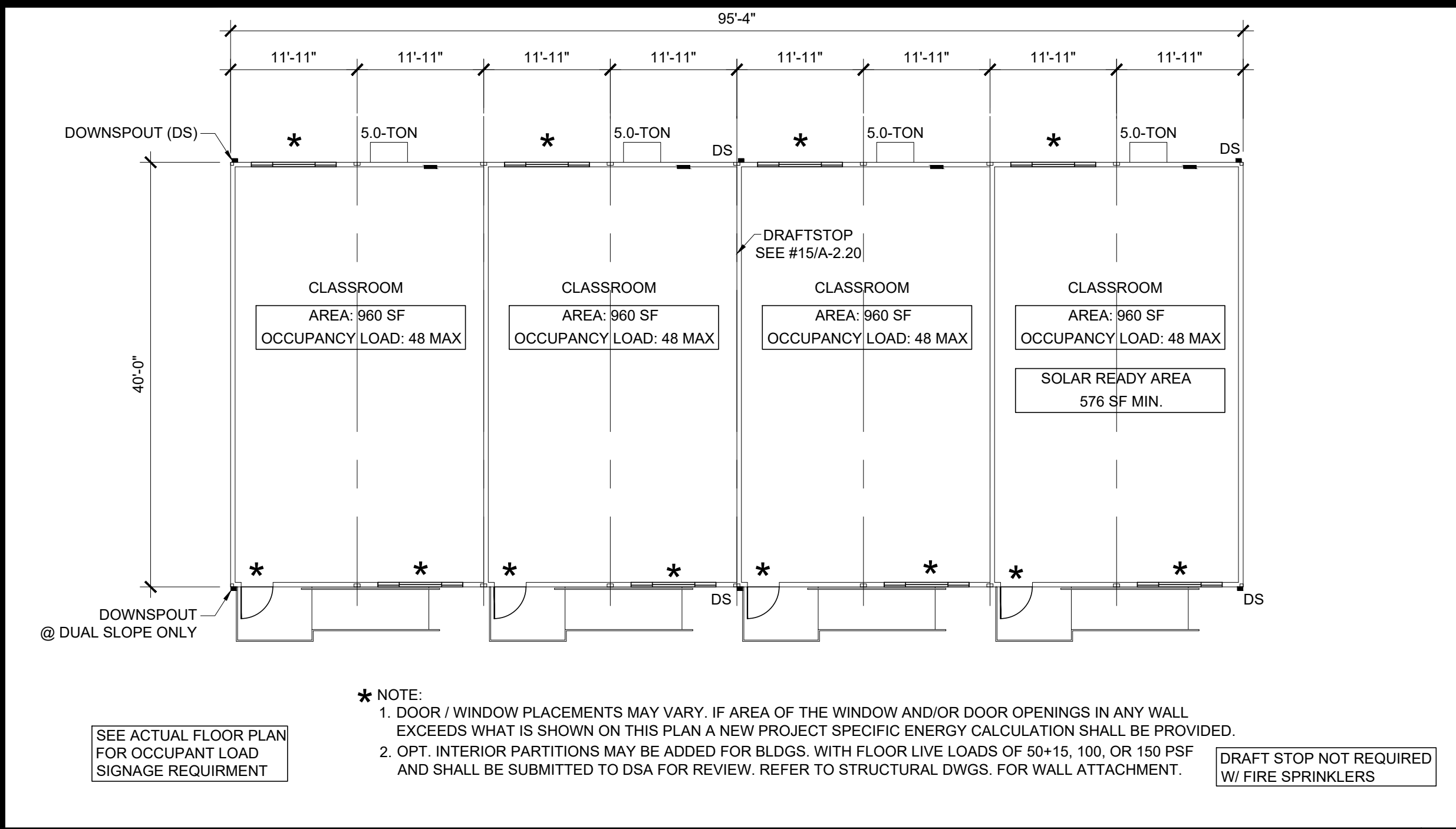
1. Proposed base of wall flashing details.

FOR DSA USE ONLY				
Discipline	Reviewer	Return Date	Accepted Date	Rejected Date
SS				
FLS				
ACS				
DSA Special Conditions or Restrictions:				
Notes: (Add comments or rationale relating to above)				

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2022 CBC	
IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record or Laboratory of Record or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendices at the bottom of this form identify work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all fields of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).	
**NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.	
KEY TO COLUMNS	2. PERFORMED BY
Continuance - Indicates that a continuous special inspection is required	SE (Geotechnical Engineer) - Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.
Periodic - Indicates that a periodic special inspection is required	LOR (Laboratory of Record) - Indicates that the test or special inspection shall be performed by a testing laboratory registered in the DSA Laboratory of Record and Inspection (LARI) Program, see CBC Section 4-3.05.
Test - Indicates that a test is required	SI (Special Inspector) - Indicates that the special inspection may be performed by a Special Inspector when specifically approved by DSA.
	SI (Special Inspector) - Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.
C1. CAST-IN-PLACE CONCRETE	
a. Verify use of required design mix.	SI Table 1705A.3 Item 8, 1910A.1.
b. Identify, sample, and test reinforcing steel.	Test LOR 1910A.2, ACI 318-19-20 and Section 26.1.2, DSA R 17-10. (See Appendix A for details on testing procedures.)
c. During concrete placement, monitor specimens for strength tests, perform slump and/or concrete tests, and determine the temperature of the concrete.	Test LOR 1910A.3 Item 8 and ACI 318-19-20 Section 26.5.26.12.
d. Test concrete (f _c).	Test LOR 1910A.1, 17.1, ACI 318-19-20 Section 26.12.
e. Batch plant inspection: Periodic	See Notes SI Default of Continuum per 1705A.3.3. If approved by DSA, batch plant inspection may be limited to "Witness" in the Appendix below.
f. Welding of reinforcing steel.	Provide special inspection per STEEL, Category 5(A)(6) & (a) and/or 5(A)(5) & (b) below.
C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):	
a. Sample and test prestressing tendons and anchorage.	Test LOR 1705A.3.4, 1910A.3.
b. Inspect placement of prestressing tendons.	Periodic SI Table 1705A.3 Item 1.6 & 8.
c. Verify concrete strength prior to stressing of post-tensioning tendons.	Periodic SI Table 1705A.3 Item 1.6 and ACI 318-19-20 Section 26.13.1.3.A.2.55.0.
d. Inspect application of post-tensioning or prestressing tendons and grouting of bonded prestressing tendons.	Continuous SI Table 1705A.3.4, Table 1705A.3 Item 8 and ACI 318-14 Section 26.13.
C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):	
a. Inspect fabrication of precast concrete members.	Continuous SI ACI 318-19-20 Section 13.1.
b. Inspect erection of precast concrete members.	Periodic SI* Table 1705A.3 Item 1.6. May be performed by P when specifically approved by DSA.
c. For precast concrete diaphragm connections or connections at plastic hinges, conduct a high deformability element (HDE) or HDE in situ test as required by Section 1705A.3.4.2.55.0. If not tested, conduct a high deformability element (HDE) or HDE in situ test as required by Section 1705A.3.4.2.55.0. If not tested, conduct a high deformability element (HDE) or HDE in situ test as required by Section 1705A.3.4.2.55.0.	Continuous SI Table 1705A.3 Item 1.6 and ACI 318-19-20 Section 13.1.3.A.2.55.0.
d. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
e. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
f. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
g. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
h. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
i. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
j. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
k. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
l. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
m. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
n. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
o. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
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q. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
r. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
s. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
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y. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
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ac. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
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aj. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
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dl. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
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ee. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
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ep. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
eq. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
er. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
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et. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
eu. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
ev. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
ew. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
ex. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
ey. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
ez. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fa. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fb. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fc. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fd. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fe. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
ff. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fg. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fh. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
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fj. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fk. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fl. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fm. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fn. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fo. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fp. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fq. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fr. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
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ft. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fu. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fv. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fw. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fx. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fy. Insulation of the embedded parts.	Test LOR 1910A.3 Item 4b (Continuum) & 4b (Periodic).
fz. Insulation of	

WILDLAND URBAN INTERFACE REQUIREMENTS <input type="checkbox"/>												WINDOW SCHEDULE												FINISH SCHEDULE												INSULATION SPECIFICATIONS																																																																																																																																																					
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 #VE 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 ALLURA FIBER-CEMENT PANELS (NON-COMBUSTIBLE) (PER ESR-1668). 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 NO.	TYPE	SIZE WIDTH HEIGHT	FRAME MAT.	OPERABLE	MAX U-FACTOR	REQUIRED SHGC	MIN VT	NFRC RATED	GLASS SPECS	NOTES	ROOM NAME	FLOORING FLOOR BASE	WALL FINISH FRONT LEFT REAR RIGHT	CEILING CEILING CEILING HT	NOTES	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 HAVE A MINIMUM R-VALUE OF R-6 PER EACH INCH OF THICKNESS, AN AIR PERMEANCE RATE OF NOT MORE THAN 0.02 U/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.) <input type="checkbox"/> R-13 (4" WALL @ UNCONDITIONED RESTROOM MODULE ONLY) <input type="checkbox"/> R-19 (6" WALL) <input type="checkbox"/> R-30 (8" WALL) STEEL STUD EXTERIOR WALL INSULATION (MIN.) <input type="checkbox"/> R-13 (4" WALL @ UNCONDITIONED RESTROOM MODULE ONLY) <input type="checkbox"/> R-19 BATT + R-8.8 (MIN) CONTINUOUS RIGID FOAM INSULATION ON THE INTERIOR SIDE OF THE WALL (6" WALL) <input type="checkbox"/> R-30 BATT + R-8.8 (MIN) CONTINUOUS RIGID FOAM INSULATION ON THE INTERIOR SIDE OF THE WALL (8" WALL) INTERIOR WALL INSULATION (MIN.) R-13 FLOOR INSULATION <input type="checkbox"/> NONE (CONCRETE MASS) <input type="checkbox"/> R-11 (MIN) + CONCRETE MASS <input type="checkbox"/> R-19 (MIN) ROOF INSULATION (MIN.) R-30 (5" MIN. DEPTH) CLOSED CELL SPRAY FOAM																																																																																																																																																													
												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.												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 10/A-5.70 WALLS TACK: 1/2" VINYL TACKBOARD CLASS 1 OVER ½" GYPSUM BOARD BACKING FRP: 1/8" FIBER REINFORCED PANEL OVER ½" 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)																																																																																																																																																																	
WINDOW TYPE  NOTE: 1. OPERABLE WINDOW CONTROLS SHALL COMPLY WITH CBC 11B.309.4 AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. 2. WINDOW CONTROLS SHALL NOT REQUIRE MORE THAN 5LBS OF FORCE TO OPERATE 3. THE REQUIRED FORCE TO PUSH/PULL THE WINDOW PANEL SHALL NOT EXCEED 5LBS 4. ALL SAFETY GLAZING SHALL BE IDENTIFIED PER CBC CHAPTER 24.												FINISH NOTES 1. ALL FINISHES SHALL COMPLY WITH CBC, CFC AND TITLE 19 CCR. 2. 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. 3. 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. 4. 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												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: SHEET TITLE:																																																																																																																																																																	
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1. DOOR HANDLE FOR LOCKSETS AND PANIC HARDWARE TO BE CENTED AT 40" AFF HARDWARE TO BE OPENED FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT. LEVERS TO RETURN TO WITHIN 1/2" OF DOOR. 2. ALL DOORS SHALL BE 1 3/4" THICK U.N.O. 3. CLOSER SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5 LBS AT EXTERIOR AND INTERIOR DOORS. 4. PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER. 5. ALL HARDWARE SHALL COMPLY WITH SILVER CREEK'S SPECS ON THIS SHEET AND CBC SECTIONS 11B-206.5, 11B-404.1 & 1010. 6. DOOR CLOSER SHALL BE ADJUSTED TO SO THAT FROM AN OPEN POSITION OF 90°, THE DOOR WILL TAKE AT LEAST 5 SECONDS TO MOVE TO A POINT 12" FROM THE LATCH, MEASURED TO THE LANDING SIDE OF THE DOOR. 7. PANIC AND FIRE EXIT HARDWARE: WHERE THIS TYPE HARDWARE IS INSTALLED, IT SHALL COMPLY WITH THE FOLLOWING: - THE ACTUATING PORTION OF THE RELEASING DEVICE SHALL EXTEND AT LEASE ONE-HALF OF THE DOOR LEAF WIDTH. - THE MAXIMUM FORCE TO ACTIVATE ANY OPERABLE PART SHALL NOT EXCEED 5 LBS PER THE 2022 CBC. PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1010.1.1-10 8. ALL HAND ACTIVATED HARDWARE SHALL BE LEVER TYPE, PANIC BARS, PUSH/PULL TYPE OR 'U' SHAPED HANDLES. 9. ALL HAND ACTIVATED HARDWARE SHALL BE EASY TO OPERATE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF WRIST TO OPERATE. 10. FLOOR STOP SHALL BE LOCATED 4" MAX FROM FACE OF WALL.												DOOR HARDWARE												SCHEDULES																																																																																																																																																																	



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:

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

REVISIONS

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

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

PC STATE AGENCY APPROVAL

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

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER
A-0.3

Zone	Rotation
Zip Code (Weather Station)	
Zone 14 92301 (PALMDALE)	30
	75
	120
	165
	210
	255
	300
	345

Zone 15 92225 (PALM SPRINGS)	30
	75
	120
	165
	210
	255
	300
	345

Zone 16 96006 (BLUE CANYON)	30
	75
	120
	165
	210
	255
	300
	345

24x40 (1) 5-ton unit							
TDV Eff.	%	TDV Total	%	Source EN.	%	Result	
66.91	15.9%	66.91	15.9%	6.71	18.5%	PASS	
69.23	16.2%	69.23	16.2%	6.92	18.9%	PASS	
69.11	16.2%	69.11	16.2%	6.89	18.8%	PASS	
59.59	14.5%	59.59	14.5%	6.06	17.0%	PASS	
62.55	15.0%	62.55	15.0%	6.30	17.5%	PASS	
64.42	15.3%	64.42	15.3%	6.47	17.9%	PASS	
65.57	15.6%	65.57	15.6%	6.55	18.1%	PASS	
59.02	14.4%	59.02	14.4%	6.03	17.0%	PASS	

53.29	12.4%	53.29	12.4%	4.86	15.0%	PASS	
57.27	13.1%	57.27	13.1%	5.22	15.8%	PASS	
58.33	13.3%	58.33	13.3%	5.30	16.0%	PASS	
48.62	11.5%	48.62	11.5%	4.44	13.9%	PASS	
48.37	11.4%	48.37	11.4%	4.56	14.2%	PASS	
51.01	11.9%	51.01	11.9%	4.76	14.6%	PASS	
48.43	11.4%	48.43	11.4%	4.54	14.1%	PASS	
46.89	11.1%	46.89	11.1%	4.32	13.6%	PASS	

37.03	10.4%	37.03	10.4%	18.90	31.4%	PASS	
39.67	11.0%	39.67	11.0%	18.95	31.3%	PASS	
38.43	10.7%	38.43	10.7%	18.88	31.2%	PASS	
27.64	8.0%	27.64	8.0%	18.53	30.9%	PASS	
40.17	11.1%	40.17	11.1%	19.06	31.5%	PASS	
43.43	11.9%	43.43	11.9%	19.04	31.5%	PASS	
40.04	11.1%	40.04	11.1%	18.80	31.2%	PASS	
30.40	8.7%	30.40	8.7%	18.49	31.0%	PASS	

36x40 (1) 5-ton unit							
TDV Eff.	%	TDV Total	%	Source EN.	%	Result	
104.26	28.6%	104.26	28.6%	9.93	32.0%	PASS	
106.81	28.8%	106.81	28.8%	10.16	32.3%	PASS	
106.32	28.8%	106.32	28.8%	10.11	32.2%	PASS	
97.89	27.6%	97.89	27.6%	9.37	31.0%	PASS	
104.72	28.8%	104.72	28.8%	9.95	32.1%	PASS	
107.43	29.0%	107.43	29.0%	10.18	32.4%	PASS	
106.32	28.8%	106.32	28.8%	10.06	32.2%	PASS	
96.56	27.3%	96.56	27.3%	9.24	30.7%	PASS	

11.89	4.1%	11.89	4.1%	0.54	2.7%	PASS	
10.69	3.6%	10.69	3.6%	0.46	2.3%	PASS	
11.90	4.1%	11.90	4.1%	0.46	2.3%	PASS	
21.22	7.1%	21.22	7.1%	0.59	3.0%	PASS	
19.59	6.6%	19.59	6.6%	0.48	2.4%	PASS	
12.82	4.4%	12.82	4.4%	0.62	3.1%	PASS	
12.05	4.1%	12.05	4.1%	0.48	2.4%	PASS	
12.65	4.4%	12.65	4.4%	0.46	2.3%	PASS	

73.71	23.7%	73.71	23.7%	20.31	40.2%	PASS	
77.03	24.4%	77.03	24.4%	20.30	40.1%	PASS	
73.54	23.6%	73.54	23.6%	20.11	39.8%	PASS	
66.95	22.1%	66.95	22.1%	19.93	39.8%	PASS	
74.59	24.0%	74.59	24.0%	20.33	40.3%	PASS	
77.01	24.4%	77.01	24.4%	20.29	40.1%	PASS	
73.00	23.4%	73.00	23.4%	20.11	39.8%	PASS	
66.95	22.1%	66.95	22.1%	19.95	39.8%	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

Envelope Min Design - Zone: 1-16 Building: 24x40		
Assembly	U-Value	Insulation R-Value
Walls:	0.062	R-19 batt
Floor:	0.115	None
Roof:	0.055	R-30 Foam

Envelope Min Design - Zone: 1-16 Building: 36x40		
Assembly	U-Value	Insulation R-Value
Walls:	0.062	R-19 batt
Floor:	0.066	R-11 batt
Roof:	0.055	R-30 Foam

HVAC Min Design - Zone: 1-16 Buildings: All	
Tonnage	5
Min. EER / HSPF	12.0/8.5
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>HP 1 STANDARD</div> <div>HP 2 OPTIONAL</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 continous 1.5" rigid foam insulation (R=8.8 min) on the interior side of the wall.

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:

SHEET TITLE:

DESIGN ENERGY VALUES
CONC FLOOR - ROOF HVAC

REVISIONS

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

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

PC STATE AGENCY APPROVAL



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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

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

P.C. SHEET NUMBER

A-0.50

Zone	Rotation
Zip Code (Weather Station)	
Zone 14 92301 (PALMDALE)	30
	75
	120
	165
	210
	255
	300
	345

Zone 15 92225 (PALM SPRINGS)	30
	75
	120
	165
	210
	255
	345

Zone 16 96006 (BLUE CANYON)	30
	75
	120
	165
	210
	255
	345

24x40 (1) 5-ton unit							
TDV Eff.	%	TDV Total	%	Source EN.	%	Result	
82.80	19.7%	82.80	19.7%	7.99	22.1%	0.0%	
85.05	19.9%	85.05	19.9%	8.19	22.4%	0.0%	
85.02	19.9%	85.02	19.9%	8.17	22.3%	0.0%	
75.40	18.3%	75.40	18.3%	7.33	20.6%	0.0%	
78.40	18.8%	78.40	18.8%	7.57	21.1%	0.0%	
80.35	19.1%	80.35	19.1%	7.74	21.4%	0.0%	
81.33	19.3%	81.33	19.3%	7.82	21.6%	0.0%	
74.96	18.3%	74.96	18.3%	7.31	20.7%	0.0%	

66.40	15.4%	66.40	15.4%	6.35	19.6%	0.0%	
70.63	16.1%	70.63	16.1%	6.72	20.3%	0.0%	
71.45	16.3%	71.45	16.3%	6.80	20.6%	0.0%	
61.72	14.6%	61.72	14.6%	5.93	18.6%	0.0%	
61.83	14.6%	61.83	14.6%	6.06	18.8%	0.0%	
64.40	15.0%	64.40	15.0%	6.26	19.3%	0.0%	
61.53	14.4%	61.53	14.4%	6.05	18.7%	0.0%	
59.93	14.2%	59.93	14.2%	5.80	18.3%	0.0%	

48.32	13.5%	48.32	13.5%	19.97	33.1%	0.0%	
51.04	14.1%	51.04	14.1%	20.02	33.1%	0.0%	
49.49	13.7%	49.49	13.7%	19.94	33.0%	0.0%	
38.74	11.2%	38.74	11.2%	19.58	32.7%	0.0%	
51.37	14.2%	51.37	14.2%	20.12	33.3%	0.0%	
54.75	15.0%	54.75	15.0%	20.11	33.2%	0.0%	
51.32	14.2%	51.32	14.2%	19.87	33.0%	0.0%	
41.72	12.0%	41.72	12.0%	19.55	32.7%	0.0%	

36x40 (1) 5-ton unit							
TDV Eff.	%	TDV Total	%	Source EN.	%	Result	
104.54	28.7%	104.54	28.7%	9.92	32.0%	PASS	
107.04	28.9%	107.04	28.9%	10.14	32.3%	PASS	
106.57	28.9%	106.57	28.9%	10.09	32.2%	PASS	
98.30	27.7%	98.30	27.7%	9.37	31.0%	PASS	
105.02	28.9%	105.02	28.9%	9.94	32.1%	PASS	
107.69	29.1%	107.69	29.1%	10.17	32.4%	PASS	
106.61	28.9%	106.61	28.9%	10.06	32.1%	PASS	
96.98	27.4%	96.98	27.4%	9.25	30.7%	PASS	

7.57	2.6%	7.57	2.6%	0.46	2.3%	PASS	
6.18	2.1%	6.18	2.1%	0.37	1.9%	PASS	
7.43	2.5%	7.43	2.5%	0.37	1.8%	PASS	
17.00	5.7%	17.00	5.7%	0.52	2.6%	PASS	
15.34	5.2%	15.34	5.2%	0.41	2.0%	PASS	
8.33	2.8%	8.33	2.8%	0.52	2.6%	PASS	
7.51	2.6%	7.51	2.6%	0.40	2.0%	PASS	
8.38	2.9%	8.38	2.9%	0.38	1.9%	PASS	

72.69	23.4%	72.69	23.4%	20.21	40.0%	PASS	
76.04	24.1%	76.04	24.1%	20.22	39.9%	PASS	
72.61	23.3%	72.61	23.3%	20.03	39.7%	PASS	
66.12	21.8%	66.12	21.8%	19.85	39.6%	PASS	
73.71	23.7%	73.71	23.7%	20.25	40.1%	PASS	
76.14	24.2%	76.14	24.2%	20.20	39.9%	PASS	
72.08	23.1%	72.08	23.1%	20.02	39.7%	PASS	
66.10	21.8%	66.10	21.8%	19.86	39.6%	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

Envelope Min Design - Zone: 1-16 Building: 24x40		
Assembly	U-Value	Insulation R-Value
Walls:	0.062	R-19 batt
Floor:	0.115	None
Roof:	0.055	R-30 Foam

Envelope Min Design - Zone: 1-16 Building: 36x40		
Assembly	U-Value	Insulation R-Value
Walls:	0.062	R-19 batt
Floor:	0.066	R-11 batt
Roof:	0.055	R-30 Foam

HVAC Min Design - Zone: 1-16 Buildings: All	
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>SPVU 1</div> <div>SPVU 2</div>
	STANDARD OPTIONAL

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 continous 1.5" rigid foam insulation (R=8.8 min) on the interior side of the wall.

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:

SHEET TITLE:

DESIGN ENERGY VALUES
CONC FLOOR - WALL HVAC

REVISIONS

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

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

PC STATE AGENCY APPROVAL



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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

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

P.C. SHEET NUMBER

A-0.51

Zone	Rotation
Zip Code (Weather Station)	
Zone 14 92301 (PALMDALE)	30
	75
	120
	165
	210
	255
Zone 15 92225 (PALM SPRINGS)	300
	345
	30
	75
	120
Zone 16 96006 (BLUE CANYON)	165
	210
	255
	300
	345

24x40 (1) 5-ton unit							
TDV Eff.	%	TDV Total	%	Source EN.	%	Result	
73.52	17.5%	73.52	17.5%	6.86	18.9%	0.0%	
76.12	17.8%	76.12	17.8%	7.13	19.5%	0.0%	
76.70	18.0%	76.70	18.0%	7.15	19.5%	0.0%	
66.80	16.2%	66.80	16.2%	6.25	17.6%	0.0%	
70.21	16.9%	70.21	16.9%	6.52	18.2%	0.0%	
72.13	17.2%	72.13	17.2%	6.74	18.7%	0.0%	
72.99	17.3%	72.99	17.3%	6.80	18.8%	0.0%	
65.76	16.0%	65.76	16.0%	6.17	17.5%	0.0%	
74.37	17.3%	74.37	17.3%	6.65	20.5%	0.0%	
79.02	18.1%	79.02	18.1%	7.09	21.5%	0.0%	
80.35	18.4%	80.35	18.4%	7.22	21.8%	0.0%	
70.15	16.6%	70.15	16.6%	6.28	19.7%	0.0%	
70.45	16.6%	70.45	16.6%	6.41	19.9%	0.0%	
73.20	17.1%	73.20	17.1%	6.68	20.5%	0.0%	
70.07	16.4%	70.07	16.4%	6.46	20.0%	0.0%	
68.02	16.1%	68.02	16.1%	6.13	19.3%	0.0%	
53.21	14.9%	53.21	14.9%	19.94	33.1%	0.0%	
56.14	15.5%	56.14	15.5%	20.03	33.1%	0.0%	
54.27	15.1%	54.27	15.1%	19.94	33.0%	0.0%	
43.50	12.5%	43.50	12.5%	19.57	32.7%	0.0%	
56.63	15.7%	56.63	15.7%	20.15	33.3%	0.0%	
59.76	16.4%	59.76	16.4%	20.14	33.3%	0.0%	
56.00	15.5%	56.00	15.5%	19.86	33.0%	0.0%	
46.08	13.2%	46.08	13.2%	19.50	32.7%	0.0%	

36x40 (1) 5-ton unit							
TDV Eff.	%	TDV Total	%	Source EN.	%	Result	
108.49	29.8%	108.49	29.8%	10.33	33.3%	PASS	
111.28	30.0%	111.28	30.0%	10.61	33.8%	PASS	
111.15	30.1%	111.15	30.1%	10.57	33.7%	PASS	
103.09	29.0%	103.09	29.0%	9.77	32.3%	PASS	
108.68	29.9%	108.68	29.9%	10.31	33.3%	PASS	
112.56	30.4%	112.56	30.4%	10.69	34.1%	PASS	
111.92	30.4%	111.92	30.4%	10.60	33.9%	PASS	
101.71	28.7%	101.71	28.7%	9.66	32.0%	PASS	
24.08	8.3%	24.08	8.3%	2.04	10.2%	PASS	
22.73	7.8%	22.73	7.8%	2.03	10.1%	PASS	
24.75	8.4%	24.75	8.4%	2.08	10.4%	PASS	
33.76	11.4%	33.76	11.4%	2.10	10.6%	PASS	
32.23	10.8%	32.23	10.8%	2.01	10.1%	PASS	
25.30	8.6%	25.30	8.6%	2.22	11.0%	PASS	
25.43	8.7%	25.43	8.7%	2.16	10.8%	PASS	
25.08	8.7%	25.08	8.7%	1.97	10.0%	PASS	
87.28	28.1%	87.28	28.1%	21.14	41.8%	PASS	
91.12	28.9%	91.12	28.9%	21.21	41.8%	PASS	
87.55	28.1%	87.55	28.1%	21.00	41.6%	PASS	
80.13	26.5%	80.13	26.5%	20.70	41.3%	PASS	
88.08	28.3%	88.08	28.3%	21.14	41.9%	PASS	
91.33	29.0%	91.33	29.0%	21.20	41.9%	PASS	
87.11	28.0%	87.11	28.0%	21.01	41.6%	PASS	
80.21	26.5%	80.21	26.5%	20.73	41.4%	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

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 / HSPF	12.0/8.5
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>HP 1 STANDARD</div> <div>HP 2 OPTIONAL</div>

HVAC Min Design - Zone: 1-16 Buildings: 36 x 40	
Tonnage	5
Min. EER / HSPF	12.0/8.5
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>HP 2 STANDARD</div>

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

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

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:

SHEET TITLE:

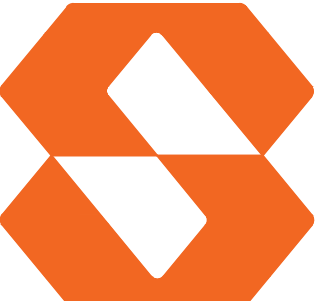
DESIGN ENERGY VALUES
WOOD FLOOR - ROOF HVAC

REVISIONS

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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

A-0.52

Zone	Rotation
Zip Code (Weather Station)	
Zone 14 92301 (PALMDALE)	30
	75
	120
	165
	210
	255
	300
	345

Zone 15 92225 (PALM SPRINGS)	30
	75
	120
	165
	210
	255
	300
	345

Zone 16 96006 (BLUE CANYON)	30
	75
	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

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>SPVU 1 STANDARD</div> <div>SPVU 2 OPTIONAL</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>SPVU 2 STANDARD</div>

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

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

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:

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

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

PC STATE AGENCY APPROVAL



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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

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

A-0.53

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
Nonresidential Performance Compliance Method					(Page 1 of 13)
Project Name:		04-121999 - 24x40 - CONC FLS - RF HVAC		Date Prepared:	2023-07-17
A. General Information					
1	Project Name	04-121999 - 24x40 - CONC FLS - RF HVAC			
2	Run Title				
3	Project Location	specify:			
4	City	specify:			
6	Zip code	92301	5	Standards Version	Compliance 2022
8	Climate Zone	14	7	Compliance Software (version)	CREEC 2022.1.1.91 (1298)
10	Building Type(s)	*Relocation Public School Building for use in all climate zones Occupancy: E		9	Building Orientation (deg)
12	Project Scope	*New complete scope		11	Worksheet
14	Total Conditioned Floor Area (sq ft)	960	13	Number of drawings/sheets	PALMDALE_STYF03.apw
16	Total Unconditioned Floor Area (sq ft)	0	15	Total # of horizontal/vertical units	0
18	Nonresidential Conditioned Floor Area	960	17	Fuel Type	Natural Gas
20	Residential Conditioned Floor Area	0	19	Total # of Stories (Excludes Above Grade)	1

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

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
Nonresidential Performance Compliance Method					(Page 2 of 13)
B. PROJECT SUMMARY					
Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively in within the permit application.					
Building Components Complying via Performance			Building Components Complying Prescriptively		
Envelope (See Table E)	Nonres	Performance	Solar Thermal Water Heating (See Table H)	<input type="checkbox"/> Performance	Nonres
Multifam	Not Included		Nonres	<input type="checkbox"/> Performance	Nonres
Mechanical (See Table H)	Multifam	Performance	Covered Process: Commercial Kitchens (See Table I)	<input type="checkbox"/> Performance	Nonres
	Multifam	Not Included	Nonres	<input type="checkbox"/> Performance	Nonres
Domestic Hot Water (See Table I)	Nonres	Not Included	Covered Process: Laboratory (See Table I)	<input type="checkbox"/> Performance	Nonres
	Multifam	Not Included	Nonres	<input type="checkbox"/> Performance	Nonres
Lighting (Indoor Conditioned, see Table K)	Nonres	Performance	Photovoltaics (See Table F)	<input type="checkbox"/> Performance	Nonres
	Multifam	Not Included	Nonres	<input type="checkbox"/> Performance	Nonres
			Battery (see Table F)	<input type="checkbox"/> Not Included	Nonres

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-07-17 15:42:18
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
Nonresidential Performance Compliance Method					(Page 3 of 13)
C1. COMPLIANCE SUMMARY					
COMPLIES ¹				Source Energy Use	
Time Dependent Valuation (TDV)		Total ² (kBtu/ft ² - yr)		Total ² (kBtu/ft ² - yr)	
Efficiency ³ (kBtu/ft ² - yr)	Pass	Fail	Pass	Fail	Pass
Standard Design	433.64	433.64	35.39		
Proposed Design	30.62	30.62	29.35		
Compliance Margin		402.02	4.04		
Pass	Pass	Pass	Pass		

¹ Efficiency measures include improvements like a better building envelope and more efficient equipment

² Compliance Totals include efficiency, photovoltaics and batteries

³ Building envelope when efficiency and total compliance margins are greater than or equal to zero and cannot load hour limits are not exceeded

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-07-17 15:42:18
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
Nonresidential Performance Compliance Method					(Page 4 of 13)

C2. TUV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TUV Energy Use, kWh/ft ² - yr)				
COMPLIES ¹				
Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) ¹	
Space Heating	31.09	29.78	2.35	
Space Cooling	107.79	107.28	0.45	
Indoor Fans	178.06	131.18	46.9	
Heat Rejection	0	0	0	
Pumps & Misc.	0	0	0	
Domestic Hot Water	61.39	61.28	-0.09	
Indoor Lighting	32.61	33.1	9.51	
Flexibility	—	—	—	
EFFICIENCY COMPLIANCE TOTAL	433.64	30.62	59.02 (14.4%)	
Photovoltaics	—	—	—	
Batteries	—	—	—	
TOTAL COMPLIANCE	433.64	30.62	59.02 (14.4%)	

¹ Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent better than Standard.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-07-17 15:42:18
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
Nonresidential Performance Compliance Method					(Page 5 of 13)
C3. TUV ENERGY RESULTS FOR NON-REGULATED COMPONENTS ¹					
Non-Regulated Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) ¹		
Receptacle	67.93	67.93	—		
Process	—	—	—		
Other Ltg	—	—	—		
Process Motors	—	—	—		
TOTAL TUV COMPLIANCE - NON-REGULATED COMPONENTS	67.93	67.93	59.02 (13.3%)		

¹ Notes: This table is not used for Energy Code Compliance.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-07-17 15:42:18
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
Nonresidential Performance Compliance Method					(Page 6 of 13)

C4. SOURCE ENERGY RESULTS FOR PERFORMANCE COMPONENTS (Annual Source Energy Use, kWh/ft ² - yr)				
COMPLIES ¹				
Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE) ¹	
Space Heating	4.6	4.17	0.43	
Space Cooling	4.98	4.1	-0.88	
Indoor Fans	17.7	12.77	4.93	
Heat Rejection	0	0	0	
Pumps & Misc.	0	0	0	
Domestic Hot Water	6.48	6.49	-0.01	
Indoor Lighting	2.57	1.82	0.75	
Flexibility	—	—	—	
EFFICIENCY COMPLIANCE TOTAL	35.39	29.35	6.04 (17.1%)	
Photovoltaics	—	—	—	
Batteries	—	—	—	
TOTAL COMPLIANCE	35.39	29.35	6.04 (17.1%)	

¹ Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent better than Standard.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-07-17 15:42:18
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
Nonresidential Performance Compliance Method					(Page 7 of 13)
C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS ¹					
Non-Regulated Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE) ¹		
Receptacle	4.92	4.92	—		
Process	—	—	—		
Other Ltg	—	—	—		
Process Motors	—	—	—		
TOTAL TUV COMPLIANCE - NON-REGULATED COMPONENTS	49.91	34.27	6.64 (13%)		

¹ Notes: This table is not used for Energy Code Compliance.

C6. BATTERY CODE QUALIFICATIONS				
<input type="checkbox"/> This project is pursuing CalGreen Tier 1 <input type="checkbox"/> This project is pursuing CalGreen Tier 2				

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
Nonresidential Performance Compliance Method					(Page 8 of 13)
C7. ENERGY USE SUMMARY					
Energy Component	Standard Design Size (MW)	Proposed Design Size (MW)	Margin (MW)	Standard Design Size (MW)	Proposed Design Size (MW)
Space Heating	1	0.9	0.1	—	—
Space Cooling	3.7	2.6	0.1	—	—
Indoor Fans	6	4.4	1.6	—	—
Heat Rejection	—	—	—	—	—
Pumps & Misc.	—	—	—	—	—
Domestic Hot Water	2.3	2.3	0	—	—
Indoor Lighting	1.2	0.8	0.4	—	—
Flexibility	—	—	—	—	—
ENERGY USE TOTAL	18.2	11	7.2	0	0
Photovoltaics	—	—	—	—	—
Batteries	—	—	—	—	—
ENERGY USE SUBTOTAL	18.2	11	7.2	0	0
Receptacle	2.5	2.5	0	—	—
Process	—	—	—	—	—
Other Ltg	—	—	—	—	—
Process Motors	—	—	—	—	—
ENERGY USE TOTAL	18.7	13.5	5.2	0	0

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

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
Nonresidential Performance Compliance Method					(Page 9 of 13)

C8. ENERGY USE INTENSITY (EUI)				
Standard Design (kBtu/ft ² - yr)	Proposed Design (kBtu/ft ² - yr)	Margin (kBtu/ft ² - yr)	Margin Percentage	
GROSS EUI ¹	55.8	47.98	7.82	14.01
NET EUI ¹	55.8	47.98	7.82	14.01

¹ Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. Net EUI is Energy Use Total (including PV)/Total Building Area.

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⁴⁵ Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. Net EUI is Energy Use Total (including PV)/Total Building Area.

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⁴⁷ Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. Net EUI is Energy Use Total (including PV)/Total Building Area.

⁴⁸ Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. Net EUI is Energy Use Total (including PV)/Total Building Area.

⁴⁹ Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. Net EUI is Energy Use Total (including PV)/Total Building Area.

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
Nonresidential Performance Compliance Method					(Page 1 of 13)
Project Name:		04-121999 - 24x40 - CONC FLS - RF HVAC		Date Prepared:	2023-07-17
A. General Information					
1	Project Name	04-121999 - 24x40 - CONC FLS - RF HVAC			
2	Run Title				
3	Project Location	specify:			
4	City	specify:			
5	Zip code	92225			
6	Climate Zone	15			
10	Building Type(s)	* Relocable Public School Building for use in all climate zones Occupancy: E			
12	Project Scope	* New complete scope			
14	Total Conditioned Floor Area in Scope (SF)	960			
16	Total Unconditioned Floor Area (SF)	0			
18	Nonresidential Conditioned Floor Area	960			
20	Residential Conditioned Floor Area	0			
5	Standards Version	Compliance Software (version)			
7	Compliance Software (version)	CIBCEC 2022.2.1 (PRF 1.1) 2981			
9	Building Orientation (deg)	345			
11	Worksheet	PALM SPRINGS_STYF20.nsw			
13	Number of Drawings/Sheets	0			
15	Total # of horizontal/vertical units	0			
17	Fuel Type	Natural Gas			
19	Total # of Stories (Habitable Above Grade)	1			

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PRF-4
Nonresidential Performance Compliance Method				(Page 2 of 13)
B. PROJECT SUMMARY				
Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively in the permit application.				
Building Components Complying via Performance				
Envelope (See Table E)	Not Included	Performance	Solar Thermal Water Heating (See Table H)	Not Included
Mechanical (See Table H)	Not Included	Performance	Commercial Kitchens (See Table I)	Not Included
Domestic Hot Water (See Table J)	Not Included	Performance	Covered Process: Laboratory Exhaust (See Table I)	Not Included
Lighting (Indoor Conditioned, see Table K)	Not Included	Performance	Photovoltaics (See Table F)	Not Included
	Not Included	Performance	Battery (see Table F)	Not Included

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PRF-4
Nonresidential Performance Compliance Method				(Page 3 of 13)
C1. COMPLIANCE SUMMARY				
COMPLIES ¹				
Time Dependent Valuation (TDV)				
Efficiency ¹ (kBtu/ft ² - yr)	421.74	Total ¹ (kBtu/ft ² - yr)	421.74	31.74
Standard Design	314.85	Proposed Design	314.85	27.42
Compliance Margin	46.89	Pass	Pass	Pass

¹ Efficiency measures include improvements like a better building envelope and more efficient equipment.
² Compliance Totals include efficiency, photovoltaics and batteries.
³ Building envelope when efficiency and total compliance margins are greater than or equal to zero and cannot load hour limits are not exceeded.

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PRF-4
Nonresidential Performance Compliance Method				(Page 4 of 13)
C2. TUV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TUV Energy Use, kWh/ft ² - yr)				
COMPLIES ¹				
Energy Component				
Space Heating	6.05	6.2	-0.15	
Space Cooling	176.5	176.12	0.38	
Indoor Fans	149.23	136.15	37.06	
Heat Rejection	0	0	0	
Pumps & Misc.	0	0	0	
Domestic Hot Water	43.76	43.56	0.2	
Indoor Lighting	32.22	22.82	9.4	
Flexibility	—	—	—	
EFFICIENCY COMPLIANCE TOTAL	421.74	314.85	46.89 (11.1%)	
Photovoltaics	—	—	—	
Batteries	—	—	—	
TOTAL COMPLIANCE	421.74	314.85	46.89 (11.1%)	

¹ Notes: This number in parentheses following the Compliance Margin in column 4, represents the Percent better than Standard.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PRF-4
Nonresidential Performance Compliance Method				(Page 5 of 13)
C3. TUV ENERGY RESULTS FOR NON-REGULATED COMPONENTS ¹				
Non-Regulated Energy Component				
Receptacle	66.69	66.69	—	
Process	—	—	—	
Other Itg	—	—	—	
Process Motors	—	—	—	
TOTAL TUV COMPLIANCE - NON-REGULATED COMPONENTS	66.69	66.69	—	

¹ Notes: This table is not used for Energy Code Compliance.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PRF-4
Nonresidential Performance Compliance Method				(Page 6 of 13)
C4. SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual Source Energy Use, kWh/ft ² - yr)				
COMPLIES ¹				
Energy Component				
Space Heating	0.83	0.84	-0.01	
Space Cooling	8.79	8.69	0.09	
Indoor Fans	15.02	11.51	3.51	
Heat Rejection	0	0	0	
Pumps & Misc.	0	0	0	
Domestic Hot Water	4.59	4.5	-0.01	
Indoor Lighting	2.57	1.82	0.75	
Flexibility	—	—	—	
EFFICIENCY COMPLIANCE TOTAL	31.74	27.42	4.32 (13.6%)	
Photovoltaics	—	—	—	
Batteries	—	—	—	
TOTAL COMPLIANCE	31.74	27.42	4.32 (13.6%)	

¹ Notes: This number in parentheses following the Compliance Margin in column 4, represents the Percent better than Standard.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PRF-4
Nonresidential Performance Compliance Method				(Page 7 of 13)
C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS ¹				
Non-Regulated Energy Component				
Receptacle	4.92	4.92	—	
Process	—	—	—	
Other Itg	—	—	—	
Process Motors	—	—	—	
TOTAL TOTAL COMPLIANCE - NON-REGULATED COMPONENTS	94.66	92.84	4.32 (13.6%)	

¹ Notes: This table is not used for Energy Code Compliance.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PRF-4
Nonresidential Performance Compliance Method				(Page 8 of 13)
C7. ENERGY USE SUMMARY				
Energy Component				
Standard Design Size (TDV)	Proposed Design Size (TDV)	Margin (TDV)	Standard Design Size (TDV)	Proposed Design Size (TDV)
Space Heating	0.2	0.2	0	—
Space Cooling	5.2	5.1	0.1	—
Indoor Fans	5.5	4.3	1.2	—
Heat Rejection	—	—	—	—
Pumps & Misc.	—	—	—	—
Domestic Hot Water	1.6	1.6	0	—
Indoor Lighting	1.2	0.8	0.4	—
Flexibility	—	—	—	—
BATTERY SYSTEM	16.7	12	4.7	0
Photovoltaics	—	—	—	—
Batteries	—	—	—	—
ENERGY USE SUBTOTAL	16.7	12	4.7	0
Process	—	—	—	—
Other Itg	—	—	—	—
Process Motors	—	—	—	—
ENERGY USE TOTAL	16.7	16.5	0.2	0

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PRF-4
Nonresidential Performance Compliance Method				(Page 9 of 13)
C8. ENERGY USE INTENSITY (EUI)				
Standard Design (kBtu/ft ² - yr)				
Proposed Design (kBtu/ft ² - yr)	Margin (kBtu/ft ² - yr)	Margin Percentage		
GROSS EUI ¹	57.08	51.54	6.04	10.49
NET EUI ¹	57.08	51.54	6.04	10.49

¹ Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. Net EUI is Energy Use Total (including PV)/Total Building Area.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PRF-4
Nonresidential Performance Compliance Method				(Page 10 of 13)
E1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)				
Energy Component				
Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)		
Space Heating	6.05	6.2	-0.15	
Space Cooling	176.5	176.12	0.38	
Indoor Fans	149.23	136.15	37.06	
Heat Rejection	0	0	0	
Pumps & Misc.	0	0	0	
Domestic Hot Water	43.76	43.56	0.2	
Indoor Lighting	32.22	22.82	9.4	
Flexibility	—	—	—	
EFFICIENCY COMPLIANCE TOTAL	421.74	314.85	46.89 (11.1%)	
Photovoltaics	—	—	—	
Batteries	—	—	—	
TOTAL COMPLIANCE	421.74	314.85	46.89 (11.1%)	

¹ Notes: This number in parentheses following the Compliance Margin in column 4, represents the Percent better than Standard.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000
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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PRF-4
Nonresidential Performance Compliance Method				(Page 11 of 13)
E6. CHASIS SURFACE ASSEMBLY SUMMARY				
Energy Component				
Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)		
Space Heating	0.83	0.84	-0.01	
Space Cooling	8.79	8.69	0.09	
Indoor Fans	15.02	11.51	3.51	
Heat Rejection	0	0	0	
Pumps & Misc.	0	0	0	
Domestic Hot Water	4.59	4.5	-0.01	
Indoor Lighting	2.57	1.82	0.75	
Flexibility	—	—	—	
EFFICIENCY COMPLIANCE TOTAL	31.74	27.42	4.32 (13.6%)	
Photovoltaics	—	—	—	
Batteries	—	—	—	
TOTAL COMPLIANCE	31.74	27.42	4.32 (13.6%)	

¹ Notes: This number in parentheses following the Compliance Margin in column 4, represents the Percent better than Standard.

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PRF-4
Nonresidential Performance Compliance Method				(Page 12 of 13)
E7A. FENESTRATION ASSEMBLY SUMMARY (NONRESIDENTIAL)				
Energy Component				
Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)		
Space Heating	0.83	0.84	-0.01	
Space Cooling	8.79	8.69	0.09	
Indoor Fans	15.02	11.51	3.51	
Heat Rejection	0	0	0	
Pumps & Misc.	0	0	0	
Domestic Hot Water	4.59	4.5	-0.01	
Indoor Lighting	2.57	1.82	0.75	
Flexibility	—	—	—	
EFFICIENCY COMPLIANCE TOTAL	31.74	27.42	4.32 (13.6%)	
Photovoltaics	—	—	—	
Batteries	—	—	—	
TOTAL COMPLIANCE	31.74	27.42	4.32 (13.6%)	

¹ Notes: This number in parentheses following the Compliance Margin in column 4, represents the Percent better than Standard.

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD				NRCC-PRF-4
Nonresidential Performance Compliance Method				(Page 13 of 13)
E8. ENERGY USE SUMMARY				
Energy Component				
Standard Design Size (TDV)	Proposed Design Size (TDV)	Margin (TDV)	Standard Design Size (TDV)	Proposed Design Size (TDV)
Space Heating	0.2	0.2	0	—
Space Cooling	5.2	5.1	0.1	—
Indoor Fans	5.5	4.3	1.2	—
Heat Rejection	—	—	—	—
Pumps & Misc.	—	—	—	—
Domestic Hot Water	1.6	1.6	0	—
Indoor Lighting	1.2	0.8	0.4	—
Flexibility	—	—	—	—
BATTERY SYSTEM	16.7	12	4.7	0
Photovoltaics	—	—	—	—
Batteries	—	—	—	—
ENERGY USE SUBTOTAL	16.7	12	4.7	0
Process	—	—	—	—
Other Itg	—	—	—	—
Process Motors	—	—	—	—
ENERGY USE TOTAL	16.7	16.5	0.2	0

¹ Notes: This number in parentheses following the Compliance Margin in column 4, represents the Percent better than Standard.

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD											NRCC-PRF-4
Nonresidential Performance Compliance Method											(Page 14 of 13)
E9. ZONAL SYSTEM AND THERMAL UTILITY SUMMARY											
E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12
System ID	System Type	City	Heating	Cooling	Design	Mtn. Ratio	Power	Power Units	Cycles	WSD	
Terminal/Jail 103	Uncontrolled	1	N/A	N/A	1,750	N/A	0	N/A	N/A	N/A	<input type="checkbox"/>
E9. INDOOR CONDITIONS LIGHTING GENERAL INFO											
E1	E2	E3	E4	E5 (Optional) (Custom) (Measure)							
Occupancy Type	Conditioned Floor Area (m²) [a]	Installed Lighting Power (Watts)	Lighting Control (Watts)	Additional (Custom) (Measure)							
				Area Category (Institutional) (Watts)	Area Category (Institutional) (Watts)						
Classroom, Lecture, or Training (Institutional)	950	408	0	0	0						
Building Suite	960	408	0	0	0						
[a] See Table 102.4-C											
[b] Lighting information for existing spaces modeled is not included in this table											

STATE OF CALIFORNIA

Nonresidential Building Commissioning

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-CBC-E

This document is used to demonstrate compliance with mandatory commissioning requirements in 120.8 for nonresidential buildings and hotels/motel or mixed-use buildings with nonresidential spaces. This document does not demonstrate compliance with commissioning requirements within Title 24, Part 11, which need to be documented separately if they apply.

Project Name: SILVER CREEK PC - TYPICAL CLASSROOM

Report Page: 1

Page 1 of 6

Project Address: 2023-01-31T18:53:26-05:00

01 Project Location (city) Perris

02 Occupancy Type Nonresidential

03 Project Type Newly constructed

04 Building Size (ft²) 860

05 Nonresidential Conditioned Floor Area (ft²) < 10,000 ft²

06 HVAC System Type Unitary or packaged equipment each serving one zone

07 Climate Zone 10

08 Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 86563-0123-0005

Schema Version: rev 20220101

Report Generated: 2023-01-31 15:53:28

STATE OF CALIFORNIA

Nonresidential Building Commissioning

CALIFORNIA ENERGY COMMISSION

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Nonresidential Building Commissioning

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Report Page: 1

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Project Address: 2023-01-31T18:53:26-05:00

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Nonresidential Building Commissioning

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Project Name: SILVER CREEK PC - TYPICAL CLASSROOM

Report Page: 1

Page 1 of 6

Project Address: 2023-01-31T18:53:26-05:00

01 Project Location (city) Perris

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Nonresidential Building Commissioning

CALIFORNIA ENERGY COMMISSION

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Project Name: SILVER CREEK PC - TYPICAL CLASSROOM

Report Page: 1

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Project Address: 2023-01-31T18:53:26-05:00

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Report Version: 2022.0.000

Compliance ID: 86563-0123-0005

Schema Version: rev 20220101

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STATE OF CALIFORNIA

Nonresidential Building Commissioning

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-CBC-E

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Project Name: SILVER CREEK PC - TYPICAL CLASSROOM

Report Page: 1

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Project Address: 2023-01-31T18:53:26-05:00

01 Project Location (city) Perris

02 Occupancy Type Nonresidential

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Compliance ID: 86563-0123-0005

Schema Version: rev 20220101

Report Generated: 2023-01-31 15:53:28

STATE OF CALIFORNIA

Nonresidential Building Commissioning

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-CBC-E

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Project Name: SILVER CREEK PC - TYPICAL CLASSROOM

Report Page: 1

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Project Address: 2023-01-31T18:53:26-05:00

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Compliance ID: 86563-0123-0005

Schema Version: rev 20220101

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STATE OF CALIFORNIA

Nonresidential Building Commissioning

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-CBC-E

This document is used to demonstrate compliance with mandatory commissioning requirements in 120.8 for nonresidential buildings and hotels/motel or mixed-use buildings with nonresidential spaces. This document does not demonstrate compliance with commissioning requirements within Title 24, Part 11, which need to be documented separately if they apply.

Project Name: SILVER CREEK PC - TYPICAL CLASSROOM

Report Page: 1

Page 1 of 6

Project Address: 2023-01-31T18:53:26-05:00

01 Project Location (city) Perris

02 Occupancy Type Nonresidential

03 Project Type Newly constructed

04 Building Size (ft²) 860

05 Nonresidential Conditioned Floor Area (ft²) < 10,000 ft²

06 HVAC System Type Unitary or packaged equipment each serving one zone

07 Climate Zone 10

08 Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 86563-0123-0005

Schema Version: rev 20220101

Report Generated: 2023-01-31 15:53:28

STATE OF CALIFORNIA

Electrical Power Distribution

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-ELC-E

This document is used to demonstrate compliance with mandatory requirements in 120.5, for electrical systems in newly constructed nonresidential and hotels/motel occupancies will also use this document to demonstrate compliance per 141.0(a) or 141.0(b)(2) for alterations. For multifamily addition or alterations compliance will be documented per 180.100 or 180.1.0(b)(a).

Project Name: SILVER CREEK PC - TYPICAL CLASSROOM

Report Page: 1

Page 1 of 4

Project Address: 2023-01-31T18:53:58-05:00

01 Project Location (city) Perris

02 Climate Zone 10

03 Occupancy Types Within Project: Classroom

04 Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 86563-0123-0006

Schema Version: rev 20220101

Report Generated: 2023-01-31 15:54:00

STATE OF CALIFORNIA

Electrical Power Distribution

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-ELC-E

This document is used to demonstrate compliance with mandatory requirements in 120.5, for electrical systems in newly constructed nonresidential and hotels/motel occupancies will also use this document to demonstrate compliance per 141.0(a) or 141.0(b)(2) for alterations. For multifamily addition or alterations compliance will be documented per 180.100 or 180.1.0(b)(a).

Project Name: SILVER CREEK PC - TYPICAL CLASSROOM

Report Page: 1

Page 2 of 4

Project Address: 2023-01-31T18:53:58-05:00

01 Project Location (city) Perris

02 Climate Zone 10

03 Occupancy Types Within Project: Classroom

04 Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 86563-0123-0006

Schema Version: rev 20220101

Report Generated: 2023-01-31 15:54:00

STATE OF CALIFORNIA

Electrical Power Distribution

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-ELC-E

This document is used to demonstrate compliance with mandatory requirements in 120.5, for electrical systems in newly constructed nonresidential and hotels/motel occupancies will also use this document to demonstrate compliance per 141.0(a) or 141.0(b)(2) for alterations. For multifamily addition or alterations compliance will be documented per 180.100 or 180.1.0(b)(a).

Project Name: SILVER CREEK PC - TYPICAL CLASSROOM

Report Page: 1

Page 3 of 4

Project Address: 2023-01-31T18:53:58-05:00

01 Project Location (city) Perris

02 Climate Zone 10

03 Occupancy Types Within Project: Classroom

04 Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 86563-0123-0006

Schema Version: rev 20220101

Report Generated: 2023-01-31 15:54:00

STATE OF CALIFORNIA

Electrical Power Distribution

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-ELC-E

This document is used to demonstrate compliance with mandatory requirements in 120.5, for electrical systems in newly constructed nonresidential and hotels/motel occupancies will also use this document to demonstrate compliance per 141.0(a) or 141.0(b)(2) for alterations. For multifamily addition or alterations compliance will be documented per 180.100 or 180.1.0(b)(a).

Project Name: SILVER CREEK PC - TYPICAL CLASSROOM

Report Page: 1

Page 4 of 4

Project Address: 2023-01-31T18:53:58-05:00

01 Project Location (city) Perris

02 Climate Zone 10

03 Occupancy Types Within Project: Classroom

04 Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 86563-0123-0006

Schema Version: rev 20220101

Report Generated: 2023-01-31 15:54:00

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.

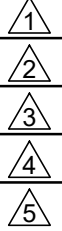
ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

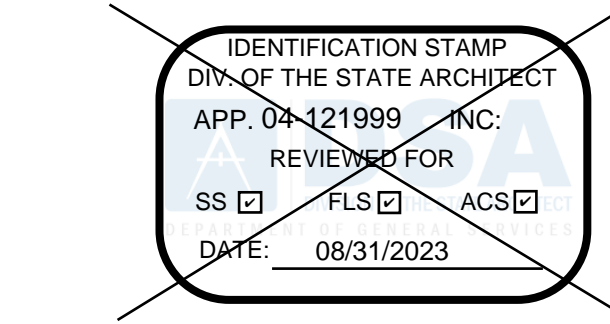
SHEET TITLE:

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:

SCALE: AS NOTED

DATE: 02-27-2023

P. C. SHEET NUMBER

A-0.6A

<div style="display: flex; justify-content: space-between;"> STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION </div> <h2 style="margin: 0;">Outdoor Lighting</h2> <div style="text-align: right; font-size: 0.8em; font-weight: normal;">NCEC 01-18</div>																															
CERTIFICATE OF COMPLIANCE																															
<p>This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)(2) for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to demonstrate compliance with requirements in 170.0, 170.2(b), 180.1(a) and 180.2(b)(4) for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.</p>																															
Project Name: SILVER CREEK K - TYPICAL CLASSROOM	Report Prepared: 2023-03-31T18:54:25-05:00																														
Project Address:																															
<div style="border: 1px solid black; padding: 5px;"> A. GENERAL INFORMATION <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 30%; padding: 2px;"> [1] Project Location (city) </td> <td style="width: 30%; padding: 2px;">Peris</td> <td style="width: 10%; padding: 2px;">01</td> <td style="width: 30%; padding: 2px;">Total Illuminated Hardscape Area (ft²)</td> <td style="width: 10%; padding: 2px;">80</td> </tr> <tr> <td style="padding: 2px;">[2] Climate Zone</td> <td style="padding: 2px;">2</td> <td style="padding: 2px;">04</td> <td colspan="2" style="padding: 2px;">Outdoor Lighting Zone per Title 24 Part 9, 130.114 or as designated by Authority Having jurisdiction (AHJ):</td> </tr> <tr> <td style="padding: 2px;">[3] Outdoor Lighting Zone per Title 24 Part 9, 130.114 or as designated by Authority Having jurisdiction (AHJ):</td> <td colspan="4" style="padding: 2px;"> <div style="display: flex; justify-content: space-between;"> [3]-0: Very Low - Undeveloped Parkland [3]-2: Moderately High - Urban Areas </div> </td> </tr> <tr> <td style="padding: 2px;">[4] [3]-0: Very Low - Undeveloped Parkland</td> <td style="padding: 2px;">00</td> <td style="padding: 2px;">[3]-2: High - Must be reviewed by CA Energy Commission for Approval</td> <td colspan="2" style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">[5] [3]-1: Low - Rural Areas</td> <td style="padding: 2px;">00</td> <td colspan="3" style="padding: 2px;"></td> </tr> <tr> <td colspan="5" style="padding: 2px;">[6] Occupancy Types within Project</td> </tr> </table> </div>		[1] Project Location (city)	Peris	01	Total Illuminated Hardscape Area (ft²)	80	[2] Climate Zone	2	04	Outdoor Lighting Zone per Title 24 Part 9, 130.114 or as designated by Authority Having jurisdiction (AHJ):		[3] Outdoor Lighting Zone per Title 24 Part 9, 130.114 or as designated by Authority Having jurisdiction (AHJ):	<div style="display: flex; justify-content: space-between;"> [3]-0: Very Low - Undeveloped Parkland [3]-2: Moderately High - Urban Areas </div>				[4] [3]-0: Very Low - Undeveloped Parkland	00	[3]-2: High - Must be reviewed by CA Energy Commission for Approval			[5] [3]-1: Low - Rural Areas	00				[6] Occupancy Types within Project				
[1] Project Location (city)	Peris	01	Total Illuminated Hardscape Area (ft²)	80																											
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[5] [3]-1: Low - Rural Areas	00																														
[6] Occupancy Types within Project																															
<div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> B. PROJECT SCOPE <p>This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance with the prescriptive path outlined in 140.7 / 170.2(b) and 141.0(b)(2) / 180.2(b)(4) for alterations.</p> <p>My Project Consists of:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 30%; padding: 2px;">01</td> <td style="width: 30%; padding: 2px;">02</td> <td style="width: 40%; padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/> New Lighting System</td> <td style="padding: 2px;"><input type="checkbox"/> Must Comply with Allowances from 140.7 / 170.2(c)(6)</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;"><input type="checkbox"/> Altered Lighting System</td> <td style="padding: 2px;"><input type="checkbox"/> Is your alteration increasing the connected lighting load (Watts)?</td> <td style="padding: 2px;"> <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </div> </td> </tr> <tr> <td style="padding: 2px;">03</td> <td style="padding: 2px;">04</td> <td style="padding: 2px;">05</td> </tr> <tr> <td style="padding: 2px;">% of Existing Luminaire(s) being Altered¹</td> <td style="padding: 2px;">Sum Total of Luminaires being Added and/or Altered</td> <td style="padding: 2px;">Calculation Method</td> </tr> <tr> <td style="padding: 2px;">< 10%</td> <td style="padding: 2px;">< 50%</td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">< 10% and < 50% or 50% - 100%</td> <td style="padding: 2px;">> 50%</td> <td style="padding: 2px;"></td> </tr> </table> </div>		01	02		<input type="checkbox"/> New Lighting System	<input type="checkbox"/> Must Comply with Allowances from 140.7 / 170.2(c)(6)		<input type="checkbox"/> Altered Lighting System	<input type="checkbox"/> Is your alteration increasing the connected lighting load (Watts)?	<div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Yes <input type="checkbox"/> No </div>	03	04	05	% of Existing Luminaire(s) being Altered¹	Sum Total of Luminaires being Added and/or Altered	Calculation Method	< 10%	< 50%		< 10% and < 50% or 50% - 100%	> 50%										
01	02																														
<input type="checkbox"/> New Lighting System	<input type="checkbox"/> Must Comply with Allowances from 140.7 / 170.2(c)(6)																														
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< 10%	< 50%																														
< 10% and < 50% or 50% - 100%	> 50%																														
<p><i>¹ FOOTNOTES: 0% of Existing Luminaires being Altered = Sum Total of Luminaires being Added and/or Existing Luminaires within Scope of the Permit Application = 100.</i></p>																															

STATE OF CALIFORNIA
Outdoor Lighting
 CERTIFICATE OF COMPLIANCE

SILVER CREEK PK - TYPICAL CLASSROOM

Project Address: _____

NEC 2020
 CALIFORNIA ENERGY CODE

Page 2 of 8
 Report Page: _____

Project Name: _____

Report Page: _____

Page 2 of 8
 Report Generated: 2023-03-11T18:54:23-05:00

C. COMPLIANCE RESULTS

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

Calculations of Total Allowed Lighting Power (Watts) 140.7 (10.7) or 141.0 (10.7) or 140.2 (10.4)W										
01	02	03	04	05	06	07	08	09		
General Handicap Allowance 140.7(10.7) 170.2(16W) (See Table F)	+	Per Application 140.7(10.7) 170.2(16W) (See Table G)	+	Sales Footage 140.7(10.7) (See Table K)	+	Ornamental 170.2(16W) (See Table L)	+	Per Specific Area 140.7(10.7) 170.2(16W) (See Table M)	OR	Existing Power Allowance 141.0(10.7) 170.2(16W) (See Table M)
									=	
									Total Allowed (Watts)	
									≥	
									Total Actual (Watts)	
									07 must be = 08	
258.06	+	19	+	---	+	---	+	---	=	
									277.06	
									2	
									30	
									COMPLIES	
<p>Shedding Compliance (See Table G for Details)</p> <p>Controls Compliance (See Table H for Details)</p>										
									N/A	
									COMPLIES	

D. EXCEPTIONAL CONDITIONS

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

Selections made in Certificates of Installation Table have been changed to the permit applicant. See Table I. Additional Remarks for permit applicant's explanation.

E. ADDITIONAL REMARKS

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

(NICKI-10-01-E-Explanation) 1

Registration Number: _____

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: _____

Report Version: 2022-03-01
 Schema Version: 2022-03-01

Documentation Sources: Energy Code Admin

Compliance ID: R0688-03-2027
 Report Generated: 2023-03-15 15:54:24

CITY OF CALIFORNIA Outdoor Lighting				CALIFORNIA ENERGY COMMISSION MECC-001			
CERTIFICATE OF COMPLIANCE				Page 1 of 8			
Project Name:		SILVER CREEK PC - TYPICAL CLASSROOM		Report Date:		Date Prepared:	
Project Address:						2023-01-31T18:54:23.06 GMT	
F. OUTDOOR LIGHTING FIXTURE SCHEDULE For new or altered lighting systems demonstrating compliance with 140.7.17.2(c)(6) all new luminaires being installed and one existing luminaire remaining to be moved with the spaces covered by the current application are included in the table below. For altered lighting systems using the Existing Power method per 141.0(b)(2), only new luminaires being installed and replacement luminaires being installed as part of the project scope are included [i.e., existing luminaires remaining or existing luminaires being moved are not included]. Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table E, and are not included here. All other multifamily outdoor lighting is included here.							
Designed Wattage:							
	Q2	Q3	Q4	Q5	Q6	Q7	Q8
Name or Item Tag	Complete Luminaire Description		Watts per luminaire ^a	How's Wattage Determined	Total Number Luminaires	Luminaire Status ^b	Design Watts
F-1	0 Watt LED Wallpack <input type="checkbox"/> Linear		30	Mfr. Spec.	1	New <input checked="" type="checkbox"/>	<input type="checkbox"/> Excluded per 140.7A / 170.1(a)(6A) <input type="checkbox"/> Design Watts <input type="checkbox"/> N/A < 6000 lumens <input type="checkbox"/> Field Inspection
						Total Design Watts:	30
^a * NOTES: Selections with a * require a note in the space below explaining how compliance is achieved. (a) Luminaire is lighting system. (ECPDF18-2 to 130.26)							
^b FOOTNOTES: Authority having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(e) / 160.0(d).							
^c For linear luminaires, wattage should be indicated as W/L of total luminaire width. Total linear length should be indicated to columns D instead of number of luminaires.							
^d Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing as Remains" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Replaced" for existing luminaires which are being removed and replaced as part of the project scope.							
^e Compliance with mandatory shielding requirements is required for luminaires with initial lumen output > 6,000 lumens exempted by 130.2(b) / 160.5(f).							
G. SHIELDING REQUIREMENTS (BUG) This section does not apply to this project.							

STATE OF CALIFORNIA

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

Project Name: SILVER CREEK PK - TYPICAL CLASSROOM

Project Address:

Report Page:

Date Prepared:

MISC. DATA

Page 4 of 6

2023-01-31T18:34:23.06.00

H. OUTDOOR LIGHTING CONTROLS

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

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

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings					
C1	C2	C3	C4	C5	
Area Description	Shut-Off 130.2(c)(1) / 160.5(c)	Auto-Schedule 130.2(c)(2) / 160.5(c)	Motion Sensor 130.2(c)(3) / 160.5(c)	Field Inspector	
				Pass	Fail
Entry "E-1"	Photocell	Provided	NA- Facade, etc. >=24 ft	<input type="checkbox"/>	<input type="checkbox"/>

¹FOOTNOTE: Text has been abbreviated, please refer to table 160.5.4 to confirm compliance with the specific light source technologies listed.

²Authority having jurisdiction may vary for outdoor or other documentation to confirm compliance of light source.

³Recessed luminaires marked for use in pre-wired installations, and recessed luminaires installed in non-wired ceilings are exempted from E and H.

Registration Number:

CAL Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: Report Version: 2022.0.000
Schema Version: rev 20210101

Documentation Statement: Energy Code As Adopted

Compliance ID: 85663-0123-0007

Report Generated: 2024-01-31 15:48:24

STATE OF CALIFORNIA Outdoor Lighting CERTIFICATE OF COMPLIANCE		CALIFORNIA ENERGY COMMISSION NCEC 012	
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM		Report Page: _____	
Project Address: _____		Date Prepared: _____	
		(Page 1 of 6) 2023-01-31T18:54:22 (Page 01)	

1. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(c))

The table includes areas using calculated General Allowance per 140.7 / 170.2(b). General Allowance is per Table 140.7. Table 170.2 includes "Use it or lose it" Allowances are per Table 140.7 & Table 170.2. Indicate which allowances are being used to respond sections by user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.

Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

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

02	03	04	05	06	07	08	09
Area Description	Area Watts/Allowance (AWA)	Linear Watts/Allowance (LWA)	Perimeter Length (ft)	Allowed Density (W/ft²)	Allowed Density (W/ft²)	Allowed Density (W/ft²)	Total General AWA + LWA (Watts)
Entry	60	0.021	1.26	34	0.2	6.8	8.06
Initial Watts/Allowance for Entire Site (Watts)							250
Instances of Initial Watts/Allowance (L2 only)							
Total General Handicap Allowance (Watts)							250.06

STATE OF CALIFORNIA
Outdoor Lighting

CERTIFICATE OF COMPLIANCE

Project Name: SILVER CREEK PC - TYPICAL CLASSROOM Report Date: (Page 4 of 8)

Project Address: Date Prepared: 2023-01-31T18:54:22-05:00

CALIFORNIA ENERGY COMMISSION

NREC-23-01

J. LIGHTING ALLOWANCE: PER APPLICATION

This table includes areas using the wattage allowance per application from Table 140.7.4.8 / Table 170.2.5.

		01	02	03	04	05	06	07	08	09	10
		CALCULATED ALLOWANCE (Watts)				DESIGN WATTS				Additional Allowance (Watts)	
Area Description	Application per Table 140.7.4.8 ¹	# of Locations	Allowance per Location ²	Extra Allowance	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts			
Entry Door	Building Entrance/Exit	1	19	19	F-1	30	1	30	19		
Total Design Watts for this Area									30	19	
Total Allowance (Watts) All Areas									30	19	

¹FOOTNOTES: Primary entrance applications are only available for senior care facilities, healthcare facilities, police stations, hospitals, fire stations, and emergency vehicle facilities.
²The Allowance per location for ATMs is 100W for the first ATM and 35W for each additional per Table 140.7.4.8/ Table 170.2.5.
For luminaires installed in Table 7 as In-use, wattage in column 07 is WATTS instead of Watts/Luminaire. Total luminaire feet should be indicated in column 08 instead of number of luminaires.

K. LIGHTING ALLOWANCE: SALES, WATTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

Registration Number:

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time:

Report Version: 20220000
Schema Version: 02.000003


Documentation Software: Energy Code Ab

Compliance ID: 06050153-23-007
Report Generated: 2023-01-31 15:54:41

STATE OF CALIFORNIA Outdoor Lighting		CALIFORNIA ENERGY COMMISSION	
CERTIFICATE OF COMPLIANCE		NRC-CD-01	
Project Name:	SILVER HEDGE PC - TYPICAL CLASSROOM	Report Page:	(Page 7 of 8)
Project Address:		Date Prepared:	2023-01-31T18:54:22-05:00

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION	
Form/Title	
NRC-LTO-E - Must be submitted for all buildings.	

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	
Form/Title	
NRC-A-LTO-O2-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	
Systems/Spaces To Be Field Verified	Entry: "F-1"

STATE OF CALIFORNIA Outdoor Lighting CERTIFICATE OF COMPLIANCE		CALIFORNIA ENERGY COMMISSION NRC-CEC-04
Project Name: SILVER CREEK PK - TYPICAL CLASSROOM	Report Page: (Page 4 of 8)	2023-01-31T18:54:22-05:00
Project Address:	Date Prepared:	
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> Documentation Author Name: Ryan McIntosh Silver Creek Industries, LLC Address: 2850 Barnard Ave City/State: Perris/CA92571 </div> <div style="text-align: right;"> Documentation Author Signature:  Signature Date: 01-30-2023 CNA/HER Certificate Identification (if applicable): Perris (951) 943-5291 </div> </div>		
RESPONSIBLE PERSON'S DECLARATION STATEMENT I verify the following under penalty of perjury, with the State of California: <ol style="list-style-type: none"> The information provided on this Certificate of Compliance is true and correct. I am eligible under Division 9 of the California and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (inscope designer). The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conforms to the requirements of the building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, and specifications submitted by the enforcement agency for approval with this building permit application. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable projects. I understand that a completed signed copy of this Certificate of Compliance is required to be documented in the building permit to the enforcement agency. 		
<div style="display: flex; justify-content: space-between;"> <div> Responsible Declaration Name: JOHN STARR Address: 2850 Barnard Ave City/State: Perris/CA92571 </div> <div style="text-align: right;"> Responsible Declaration Signature:  Date Signed: 01-30-2023 License: 2675 Perris (951) 943-5291 </div> </div>		

STATE OF CALIFORNIA Domestic Water Heating System		CALIFORNIA ENERGY COMMISSION NCEC-14-1	
ESTIMATED COMPLIANCE			
This document is used to demonstrate compliance for nonresidential occupancies with requirements in 110.1, 120.3, 120.3.3, 120.3.3.3, and 120.5, and with requirements in 141.0 for additions and alterations, for domestic water heating systems using the prescriptive path. For high-rise residential and hotel/motel occupancies compliance with requirements in 141.0, 141.0.3, 141.0.4 and 170.260, and with requirements 180.1, 180.1.1 for additions and 180.2 for alterations.			
Project Name: SILVER CREEK PR - TYPICAL CLASSROOM		Report Period:	
Project Address:		2033-02 QP16 11-35-00-00	
A. GENERAL INFORMATION			
01	Project location (city)	Perris	02
03	Occupancy Types Within Project (select all that apply):	Climate Zone	10
• Classroom rooms and restroom lavatories			
B. PROJECT SCOPE			
This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in 140.1/ 170.260 and 141.0/ 180.1, or 141.0/ 180.1.2 for additions or alterations. Solar water heating systems are documented on the NCEC-SAC compliance document. Combined hydronic water heating systems are documented on the NCEC-SAC compliance document.			
		02	03
	My project consists of (check all that apply):	System Type ^{1,2}	System Components
<input checked="" type="checkbox"/>	New system (DHW system being installed for the first time in new construction)	Individual System (serving nonresidential spaces)	<input checked="" type="checkbox"/> Equipment <input checked="" type="checkbox"/> Distribution <input checked="" type="checkbox"/> Controls
<input type="checkbox"/>	System Alteration (equipment, distribution or controls)		<input type="checkbox"/> Equipment <input type="checkbox"/> Distribution <input type="checkbox"/> Controls
FOOTNOTES: Point of view water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems. ¹ Multiunit units refers to hotel/motel guest room units and is a multiunit residential occupancy. ² Multiunit units refers to water dwelling units are considered "Central Systems" for multiunit occupancies			
C. COMPLIANCE RESULTS			
Indicate "C" if the project data input into the compliance document a compliant with water heating requirements. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to table D or the table information not compliant for justification.			
01	02	03	04
Domestic Hot Water Equipment	Distribution Systems	Controls	Compliance Results

STATE OF CALIFORNIA Domestic Water Heating System CERTIFICATE OF COMPLIANCE		CALIFORNIA ENERGY COMMISSION HSC-19-01	
Project Name: SILVER CREEK PK. TYPICAL CLASSROOM		Report Page: HSC-19-01 (Page 2 of 6)	
Project Address:		Date Prepared: 2023-02-02T16:13:25-08:00	

E. ADDITIONAL REMARKS This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.															
F. DOMESTIC HOT WATER EQUIPMENT This table is used to demonstrate compliance with mandatory equipment requirements in 110.1 and 110.3. Compliance with prescriptive requirements in 140.5(c) / 170.2(b) must also be demonstrated and with 141.4 / 181.2 / 182.2 for addition and alteration projects. Equipment Schedule: Water Heating Efficiency and Standby Loss															
		03		04		05		06							
System Name	WH-1	Exemption to 140.5(c) / 170.2(b)		Exemptions Do Not Apply		<input type="checkbox"/>	Gas Service Water Heating System => 1MMBtu/yr	Capacity-weighted Average Efficiency %							
07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22
Name or Item Tag	Equipment Type	Volume [gal]	Rated Input Capacity [Btu/h]	Max GPM@ First (FHR)	Rated Efficiency	Minimum Required Efficiency	Efficiency Unit	Designated Standby Loss	Maximum Standby Loss						
WH-1	Consumer Rated Electric Instantaneous (<230V)	<=2	10,264	0 - GPM <1.7	0.91	0.91	UEF								

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

Water Heating Equipment All Occurrences			Requirement	
18	Yes	No	Not Applicable	
19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unfired storage tank insulation shall have Internal + External = 16 solar energy absorbed => R-3.5. Label required per 110.3(c)
20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New state buildings: 60% of energy for service water heating from the solar energy or recovered energy per 110.3(c)
21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Isolation valves for instantaneous water heater with input rating > 6.8 kBtu/h or 2 kW has been specified per 110.3(c)
22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	School buildings < 25,000 ft ² and 4 stories must install a hot pump water heating system per 140.5(a)(1). Water heating systems serving an individual building space may be an instantaneous electric water heater.

Registration Number:	Generated Date/Time:	Documentation Software: Energy Code Kit
CA Building Energy Efficiency Standards - 2022	Report Version: 2022.000 Schema Version: 2022.001	Compliance ID: 86563-23-001 Report Generated: 2023-02-02 13:17:31

STATE OF CALIFORNIA Domestic Water Heating System		CALIFORNIA ENERGY COMMISSION HSCE-PR-2		
CERTIFICATE OF COMPLIANCE				
Project Name: _____		Report Page: _____ (Page 3 of 4)		
Project Address: _____		Date Prepared: _____ 2023-07-16 17:35:00		
G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM				
This table is used to demonstrate compliance for nonresidential occupancies with distribution requirements in 120.3 and 160.5. For multifamily and hotel/motel occupancies, compliance is demonstrated with requirements [120.3(c)(1), 160.4, & 170.2(c)].				
Mandatory Pipe Insulation All Occupancies				
13	<input type="checkbox"/>	For systems serving dwelling units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A. [see below] except: <ul style="list-style-type: none"> • Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetration. Piping that penetrates metal framing or steel grommets, plug, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall be secured against all framing members. • Piping installed in interior or exterior walls shall not be required to have pipe insulation if all of the requirements are met for compliance with Quality Installation Installation (QII) as specified in the Reference Residential Appendix RA3.5. • Piping surrounded with a minimum of 1 inch of wall insulation, 2 inches of cowapage insulation, or 4 inches of attics insulation, shall not be required to have pipe insulation. 		
14	<input checked="" type="checkbox"/>	For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A (see below) per 120.3: <ul style="list-style-type: none"> • Recirculating system piping, including supply and return piping of the water heater • The first 8 ft of hot and cold outlet piping, including between tank and hot and vent, for a noncirculating distribution system • Pipes that are externally heated 		
15	<input checked="" type="checkbox"/>	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per 120.3(b) / 160.4(f). Pipe insulation buried below grade must be installed in a water proof and non-susceptible to corrosion or decay.		
TABLE 120.3-A / 160.4-A PIPE INSULATION THICKNESS				
Fluid Temperature Range (°F)	Conductivity Range (Btu-in./hr-sq-ft-R) ^a	Insulation Mean Temp Range (°F)	Nominal Pipe Diameter (in)	1.5 to 4 to Multifamily & Hotel/Motel
105-160	0.22-0.28	100	< 1 1.0 to 1.5	1.5 to 4-c
			Minimum Insulation Required	
			0.6 in or R-7 1.5 in or R-12.5	1.5 in or R-11
				2.0 in or R-16

Registration Number: _____
 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

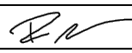
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 Report Version: 2022.0300
 Report Generated: 2023-04-01 13:17:34

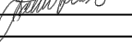
Documentation Software: Energy Code Ace

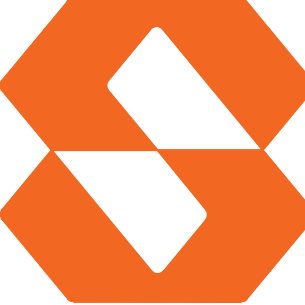

State of California Domestic Water Heating System				CALIFORNIA ENERGY COMMISSION <small>ENERGY EFFICIENCY DIVISION</small>	
CERTIFICATE OF COMPLIANCE				HICC-CA	
Project Name:		SILVER CREEK PK - TYPICAL CLASSROOM		Report Page: (Page 4 of 4)	
Project Address:		Date Prepared:		2023-02-02T16:17:35-us-east-0	
H. DOMESTIC HOT WATER CONTROLS This table is used to demonstrate compliance with control requirements in 110.3 for all occupancies. For multifamily residential and hotel/motel occupancies, compliance is also demonstrated with requirements in 160.4(d) & 170.3(a).					
ID	Yes	No	Not Applicable	Requirement	
01	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction documents require manufacturer certification that service water heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per § 110.3(c)(1).	
02	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Systems with capacity > 107,000 BTU/h equipped with outlet temperature controls per § 110.3(c)(2) unless covered by California Plumbing Code 613.0.	
03	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Controls for circulating pumps or electrical heat trace systems are capable of automatically shutting off the system per § 110.3(c)(3), unless systems serve health facilities.	
04	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For recirculation systems serving multiple dwelling units, design includes automatic pump controls per 170.2(b) or 180.1(b)(3) for additions.	
05	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For recirculation systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix R4.4 p 9 (170.2c).	
Compliance can be positive either at ≤ 2.5 mmBtu/h per 160.4(d) if newly installed commercial combusters are as follows:					
06	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bolles with input capacity > 55 PMBtu/h (in which the boiler is designed to operate with a nonpositive vent static pressure).	
07	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Bolles where one stack serves two or more boilers with a total combined input capacity per stack of 2.5 MMbtu/h.	
08	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Boiler combustion air fans with motor >= 110 hp shall meet one of the following: The fan motor shall be driven by a variable speed drive OR The fan motor shall include controls that limit the fan motor demand to <30% of the total design wattage @ 50% of the design airflow. Newly installed boilers with an input capacity [≥ 2(MMbtu/h)] and a steady state full-load combustion efficiency < 90% shall maintain excess (stack gas) oxygen concentration <= 5% by volume on a dry basis over firing rates of 20-100%. Combustion air volume shall be controlled through control of firing rate or fuel gas volume concentration. Use of a common gas and combustion air control linkage or pack switch is prohibited.	
I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION <div style="float: right; width: 20%;">Form#Title</div>					
HICC-PUB E – Must be submitted for all buildings					
Registration Number:		Generated Date/Time:		Documentation Software Used:	
CA Building Energy Efficiency Standards – 2022 Nonsidential Compliance		2022.0.000 Schema Version: rev. 2022.03.01		Compliance ID: 85654-022-Code 00	
				Report Generated: 2023-02-02 13:31:36	

STATE OF CALIFORNIA Domestic Water Heating System		CALIFORNIA ENERGY COMMISSION NCEC-P&E-2	
CERTIFICATE OF COMPLIANCE		NCEC-P&E-2	
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page:	(Page 5 of 4)
Project Address:		Date Prepared:	2023-02-02T16:17:39-05:00
J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE			
<i>There are no forms required for this project.</i>			
K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION			
<i>There are no forms required for this project.</i>			

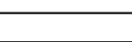
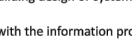
STATE OF CALIFORNIA Domestic Water Heating System		CALIFORNIA ENERGY COMMISSION REG-642	
CERTIFICATE OF COMPLIANCE		(Page 6 of 6)	
Project Name:	SILVER CREEK FC - TYPICAL CLASSROOM	Report Pages:	6
Project Address:		Date Prepared:	02-02-0716-17-35-0500

DECLARATION AUTHORITY I certify that this Certificate of Compliance documentation is accurate and complete.	
Declaration Authority Name: Ryan McIntosh	 Declaration Authority Signature
Silver Creek Industries, LLC Address: 2820 Barnett Ave. City/Zip/State: Perris/CA92371	Signature Date: 10-26-2023 CAW-REC Certificate Identification (if applicable): Phone: (951) 945-53931

RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California:	
1. The information provided on this Certificate of Compliance is true and correct. I am eligible under Division 9 of the Business and Professions Code to accept responsibility for the building design or system design identified in this Certificate of Compliance (Responsible Designer). The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of the 2019 California Building Energy Efficiency Standards (CBEES) and the 2019 California Building Energy Efficiency Standards (CBEES) and the 2019 California Building Energy Efficiency Standards (CBEES).	
2. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of the 2019 California Building Energy Efficiency Standards (CBEES) and the 2019 California Building Energy Efficiency Standards (CBEES) and the 2019 California Building Energy Efficiency Standards (CBEES).	
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of the 2019 California Building Energy Efficiency Standards (CBEES) and the 2019 California Building Energy Efficiency Standards (CBEES) and the 2019 California Building Energy Efficiency Standards (CBEES).	
4. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of the 2019 California Building Energy Efficiency Standards (CBEES) and the 2019 California Building Energy Efficiency Standards (CBEES) and the 2019 California Building Energy Efficiency Standards (CBEES).	
I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable jurisdictions. I understand that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable jurisdictions.	
Responsible Designer Name: John Stotes Address: Silver Creek Industries, LLC City/Zip/State: Perris/CA92371	Responsible Designer Signature:  Date Signed: 10-26-2023 License: 2475 Phone: (951) 945-53931

PROJECT SPECIFIC STATE AGENCY APPROVAL	
<small>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.</small>	
<small>ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc</small>	
PROJECT NAME:	
SHEET TITLE:	
<h2 style="margin: 0;">CERTIFICATE OF COMPLIANCE FORMS</h2>	
REVISIONS	
①	
②	
③	
④	
⑤	
<small>PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED</small>	
<div style="border: 2px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: 0 auto;"><div style="text-align: center;"><small>IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP. 04-121999 INC. REVIEWED FOR</small></div><div style="display: flex; justify-content: space-around; margin-top: 5px;"><small>SS</small> <input checked="" type="checkbox"/><small>FLS</small> <input type="checkbox"/><small>ACS</small> <input type="checkbox"/></div><div style="margin-top: 5px;"><small>DATE: 08/31/2023</small></div></div>	
PC STATE AGENCY APPROVAL	
<div style="margin-bottom: 10px;"></div> <div style="margin-bottom: 10px;"><h2 style="margin: 0;">Silver Creek</h2></div> <div style="margin-bottom: 10px;"><small>2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211</small></div>	
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	
<h1 style="margin: 0;">A-0.6B</h1>	

<div style="display: flex; justify-content: space-between;"> STATE OF CALIFORNIA Solar And Battery </div> <div style="display: flex; justify-content: space-between; font-size: 0.8em;"> CERTIFICATE OF COMPLIANCE CALIFORNIA ENERGY COMMISSION </div>		NEC 2020
<p>This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.10/170.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 72.00/120.2 for multifamily and hotel/ motel occupancies. Compliance with 140.10/170.2 for newly constructed buildings or any are treated using the jurisdiction's adopted code document demonstrates compliance with mandatory solar equipment requirements in 140.10/170.2 for newly constructed buildings that are either multifamily stories or town/ row/ attached lot stories or fewer, solar thermal less stories or fewer, or solar thermal less stories or fewer. It is also used to demonstrate compliance with solar equipment requirements in 140.10/170.2 for additions to nonresidential, multifamily or hotel/ motel building projects which add more than 2,000 SF of roof area. Alterations, or additions of less than 2,000 SF of roof area, are not required to comply with solar, power, solar PV and battery requirements and do not need to complete this document.</p>		
Project Name:	40 / JC / Report Page:	Page 1 of 5
Project Address:	Plan Prepared:	2023-02-27T18:05:23-08:00
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> A. GENERAL INFORMATION </div>		
(a) Project Location (city):	N/A	(d) Building Occupancies
(e) Estimate date:	N/A	(e) Construction Type
(f) Conditioned Floor Area (ft²):	4800	(f) Number of Stories
		Class 3 < stories
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> B. PROJECT SCOPE </div>		
<p>The compliance path the project is using to comply per 110.100/180/ 140.10/170.2g and h) is indicated below.</p>		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Photovoltaic (PV) and Battery Requirements in 140.10/170.2g and h) </div>		
01		
(a) Provided PV system and battery storage sized in accordance with 140.10/170.2 g and h)	The project has included the solar PV system and battery storage system per requirements in 140.10/170.2g and h) as documented in Table 1.	
(b) Exception TP and Battery: Not enough Solar PV	The total of all available Solar Access Roof Area(s) of the project site is less than three percent of the conditioned floor area as documented in Table 1.	
(c) Exception TP and Battery: Required PV < 4kW	The required PV system size is less than 4 kW as documented in Table 1.	
(d) Exception TP and Battery: No contiguous Solar Access Roof Area	The Solar Access Roof Area(s) of the project site contains less than 80 contiguous square feet as documented in Table 1.	
(e) Exception TP and Battery: Can't meet snow load	The project has a roof design where the enforcement authority has verified it is not possible for the PV system, including panels, modules, components, supports, and attachments to the structure, to meet ASCE 7-16 Chapter 7, Snow Loads.	
(f) Exception TP and Battery: Multi-tenant building in a community solar program	The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNM) or community solar program.	
(g) The prescriptive PV and Battery: Multi-tenant building in a community solar program	The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNM) or community solar program.	
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
02		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
03		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
04		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
05		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
06		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
07		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
08		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
09		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
10		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
11		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
12		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
13		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
14		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
15		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
16		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
17		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
18		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
19		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in 72.00/120.2g and h) </div>		
20		
<div style="background-color: #f2f2f2; padding: 5px; border: 1px solid black;"> Compliance with Solar Thermal Requirements in </div>		

STATE OF CALIFORNIA Solar And Battery		NREG-SAB-3 CALIFORNIA ENERGY COMMISSION	
PROJECT INFORMATION Project Name: _____ Project Address: _____		40: PC-PV/Report Page: Date Prepared: _____ (Page 5 of 5) 2023-02-17 11:05:17 07-05-00	
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I verify that this Certificate of Compliance documentation is accurate and complete.			
Documentation Author Name: <u>Ryan McIntosh</u> Company: <u>Silver Creek Industries, LLC</u> Address: <u>2826 Barnett Ave</u> City/State/Zip: <u>Perris/CA/92371</u>		 Signature Date: <u>02-20-2023</u> CAN Verification Signature(s) (if applicable): _____ PSE Verification Signature(s): _____ PSE ID: <u>951-843-5391</u>	
RESPONSIBLE PERSON'S DECLARATION STATEMENT I verify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 9 of the Rules and Regulations Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of the ASHRAE 90.1-2010 and the California Code of Regulations. 4. The building design features and system specifications identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued, and made available to the enforcement agency for all applicable projects and specifications that a completed signed copy of this Certificate of Compliance is required to be included with the documentation to be submitted to the building permit or other agency. Responsible Designer Name: <u>John Storch</u> Company: <u>Silver Creek Industries, LLC</u> Address: <u>2826 Barnett Ave</u> City/State/Zip: <u>Perris/CA/92371</u>			
		 Signature Date: <u>02-20-2023</u> License: <u>2475</u> Phone: <u>(951) 843-5391</u>	

<div style="display: flex; justify-content: space-between;"> State of CALIFORNIA Solar and Battery </div>		CALIFORNIA ENERGY COMMISSION													
<div style="display: flex; justify-content: space-between;"> PROJECT INFORMATION REC-2024-01 </div>		<div style="display: flex; justify-content: space-between;"> PROJECT OF COMPLIANCE DATE PREPARED </div>													
<p>This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.170.1.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 170.210.3C for multifamily and hotel/motel requirements. When PV/battery/solar thermal requirements do not apply or are treated using the exception in 140.170.1.2, this document demonstrates compliance with nonprescriptive compliance requirements in 110.100.118.1 for newly constructed buildings which are either multifamily or townhouses or fewer, hotel/motel ten stories or fewer, all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance with solar thermal requirements in 170.210.3C for multifamily and hotel/motel buildings that are not subject to the solar thermal requirements in 170.210.3C, or additions of less than 2,000 SF of roof area, are not required to comply with solar thermal, solar PV and battery requirements and do not need to complete this document.</p>															
Project Name: 40- PC Solar Ready		Report Date: 01/17/2025													
Project Address: 20323 02-17185-01-00		Project ID: 1717													
<div style="display: flex; justify-content: space-between;"> <div> <p>A. GENERAL INFORMATION</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">01 Project Location (city):</td> <td style="width: 33%;">N/A</td> <td style="width: 33%;">04 Building Occupancies</td> <td style="width: 33%;">School or Classroom</td> </tr> <tr> <td>02 Estimate Date:</td> <td></td> <td>05 Construction Type</td> <td>New construction</td> </tr> <tr> <td>03 Conditioned Floor Area (ft²):</td> <td>960</td> <td>06 Number of Stories</td> <td>Build > 3 stories</td> </tr> </table> </div> </div>				01 Project Location (city):	N/A	04 Building Occupancies	School or Classroom	02 Estimate Date:		05 Construction Type	New construction	03 Conditioned Floor Area (ft²):	960	06 Number of Stories	Build > 3 stories
01 Project Location (city):	N/A	04 Building Occupancies	School or Classroom												
02 Estimate Date:		05 Construction Type	New construction												
03 Conditioned Floor Area (ft²):	960	06 Number of Stories	Build > 3 stories												
<p>B. PROJECT SCOPE</p> <p>The compliance path the project is using to comply per 110.100.118 (140.170.1.2g and it is indicated below:</p>															
<p>Compliance with Solar Readiness Requirements in 110.100.118</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>01 Provide Solar Ready Area to exceptions</p> <p>The project has allocated a solar zone on the roof plan per requirements in 110.100.118, as documented in Table F.</p> <p>The project includes a permanently installed solar electric system having a nameplate DC power rating, measured under Standard Test Conditions, of no less than one watt per square foot of net area as documented in Table G.</p> <p>The project is a hotel/motel or high-rise multifamily occupancy and includes a permanently installed domestic solar water-heating system complying with 170.210.3C and Reference Residential Appendix RA, as documented in Table H.</p> <p>The project is a multifamily occupancy where all thermostats in each dwelling unit comply with 110.132a And at least one additional measure listed in Exception 4 to 110.130.10.1b, is installed, as documented in Table I.</p> </div> <div style="width: 45%;"> <p>02 Exception to Solar Ready Area: Not applicable</p> <p>Exception to Solar Ready Area: Installed solar Photovoltaic System</p> <p>Exception to Solar Ready Area: Installed solar Water Heating System</p> <p>Exception to Solar Ready Area: Smart Thermostat and Alternative Energy Efficiency Measure</p> <p>Exception to Solar Ready Area: Roof is designed for vehicular traffic, parking or for heliostats</p> <p>Exception to Solar Ready Area: Roof too small</p> <p>Exception to Solar Ready Area: Number of building stories</p> </div> </div> <p>Plan sheet showing roof designed for vehicular traffic, parking or heliostats</p> <p>The project new construction and has a total solar ready area >=533 square feet</p> <p>The project is nonresidential > 3 stories or multifamily/hotel/motel > 10 stories.</p>															
<p>FOOTNOTES: Buildings with roof area <533 ft² would have a required solar zone < 80 ft² and are therefore exempt per 110.100.118.</p>															
Registration Number:		Documentation Software: Energy Code Ace													
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance		Report Version: 2022.0.00 Schema Version: 06/2020.01 Report Generated: 2024-01-17 10:58:58													
		Compliance ID: 80173-2025-0003													

STATE OF CALIFORNIA Solar And Battery		CALIFORNIA ENERGY COMMISSION	
CERTIFICATE OF COMPLIANCE			
Project Name:	40- PC-Solar Ready	Report Page:	(Page 5 of 7)
Project Address:	2023-02-17T18:06:54-05:00		
		Date Prepared:	
<div style="border: 1px solid black; padding: 5px;"> Interconnection Pathways location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/water heating system per §110.10(a) <i>FOOTNOTE: This field is used to document how the percentage of annual solar access was determined per §110.10(a)(16). Solar access is the ratio of solar insolation including shade to the solar insolation without shade. Shading from obstructions located on the roof or any other part of the building shall not be included in the determination of annual solar access.</i> </div>			
G. PERMANENTLY INSTALLED SOLAR PV FOR SOLAR READY EXCEPTION This section does not apply to this project.			
H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEMS This section does not apply to this project.			
I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE FOR SOLAR READY EXCEPTION This section does not apply to this project.			

Solar And Battery

CERTIFICATE OF COMPLIANCE

STATE OF CALIFORNIA
NIGC-BAR-01
CALIFORNIA ENERGY COMMISSION

Project Name: 450 PC-PV/Report Page: 2 of 5

Project Address: 2023-02-17T18:05:07-05:00

Page 2 of 5

Compliance with Solar Thermal Water Heating Requirements in 170.216(c) (Multifamily and hotel/ motel occupancies only)

01

☐ The project includes a hot/cold/mixed or unitary occupancies with a gas or propane powered water heating system, less than 2 dwelling units and includes a permanently installed domestic solar water heating system to comply with 170.216(c) and Reference Requirement RAA, as demonstrated in Table H.

☐ Compliance meets Exception 2 to solar ready requirements in 110.110(b).

C. COMPLIANCE RESULTS

Pass/Fail The project is not automatically compliant based on data input and calculations in Tables F through I. Note: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance on the applicable table referenced below.

Allocated Solar Zone		Installed PV System		Installed SWH System		Smart Test and Alternative IE Measure	Compliance Results
01	02	03	04	05	06	07	08
Required Minimum Solar Area (ft²)	Designated Area (ft²)	Required Minimum Power Rating (Watts)	Designated Power Rating (Watts)	Required Minimum Solar Savings Fraction	Designated/Net of Solar Savings Fraction	Thermal JAST Test Efficiency Measure	Alternative IE Measure
(See Table F)	(See Table F)	(See Tables G or I)	(See Table H)	(See Table H)	(See Table I)	(See Table I)	(See Table I)
11.810	11.810	11.810	11.810	0.08	0.08	0.08	0.08

Inspection In connection documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/plumbing to the electrical service/ water heating system per [§110.106](#).

Battery storage system design meets the minimum requirements in Joint Appendix JA32 and the minimum energy (kWh)/ power (kW) capacity per [§110.106](#).

Not Applicable

D. EXCEPTIONAL CONDITIONS

Pass/Fail This table is auto-filled with unidentifiable comments generated by selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

Pass/Fail This table is includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: Report Version: 2022/01/01
Schema Version: net.2022/01/01

Documentation Software: Energy Code App
Compliance ID: 01/05-0223-0001
Report Generated: 2023-02-17 15:05:11

STATE OF CALIFORNIA Solar Battery (CERTIFICATE OF COMPLIANCE)		CALIFORNIA ENERGY COMMISSION NEC-2023-04-01	
Project Name:	40- PC-Solar Road/ Report Page:	Page 2 of 7	
Project Address:	Date Prepared:	2023-02-17T18:06:54-05:00	
Compliance with Solar Photovoltaic (PV) and Battery Requirements in 140.102.g and h)			
01			
<input type="checkbox"/> Provided PV system and battery storage sized per 140.102.i (2) and h)	The project has included an installed PV system and battery storage system per requirements in 140.102.i (2) and h) as documented in Table 1.		
<input type="checkbox"/> Exception to PV and Battery: Net enough Solar Access Roof Area	The total of all available Solar Access Roof Area(s) of the project site is less than three percent of the conditioned floor area as documented in Table 1.		
<input checked="" type="checkbox"/> Exception to PV and Battery: Required PV < kW	The required PV system size is less than 4 kW dc as documented in Table 1.		
<input type="checkbox"/> Exception to PV and Battery: No contiguous Solar Access Roof Area	The Solar Access Roof Area(s) of the project site contains less than 80 contiguous square feet as documented in Table 1.		
<input type="checkbox"/> Exception to PV and Battery: Can't meet snow load	The project has a roof design where the enforcement authority has verified it is not possible for the PV system, including panels, modules, components, supports, and attachments to the roof structure, to meet ASCE 7-16 Chapter 7, Snow loads.		
<input type="checkbox"/> Exception to PV and Battery: Multi-tenant without VNE/M or Community Solar	The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNE/M) or community solar program.		
<input type="checkbox"/> The prescriptive PV/Battery requirement has been traded off using the performance compliance approach as documented on the PRF Certificate of Compliance form.	The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNE/M) or community solar program.		
Compliance with Solar Thermal Water Heating Requirements in 170.2.6(i)(ii) (Multifamily and hotel/ motel occupancies only)			
01			
<input type="checkbox"/> The project includes a hotel/motel or multifamily occupancy with a gas or propane central water-heating system (over 2 dwelling units) and includes a permanently installed domestic solar water-heating system to comply with 170.2.6(i)(ii) and Reference standard: Residential RAA, as documented in Table 1.	Compliance meets Exception 2 to solar ready requirements in 100.10(b).		

STATE OF CALIFORNIA Solar And Battery		CALIFORNIA ENERGY COMMISSION NREG-SAB-6	
CERTIFICATE OF COMPLIANCE			
Project Name:	40- PC-Solar Ready	Report Page:	Page 6 of 7
Project Address:		Date Prepared:	2023-02-17T16:06:54-05:00

J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS

This table documents compliance with prescriptive photovoltaic and battery system requirements in 140.101.170.2(b) and k). Unless the project meets one of the listed exceptions, or if the use of PV in an energy mode using performance path, 140.101.170.2(b) and j) requires installed photovoltaic and battery systems for newly constructed buildings. The installed PV systems must meet the minimum requirements in joint Appendix 21.

Photovoltaic (PV) System							
G1	G2	G3	G4	G5	G6	G7	G8
Occupancy	Conditioned Floor Area (ft²)	Area of New Roof (ft²)	Roof Area + 70% Solar Access (ft²)	Plansheet or Documentation Showing Solar Access Calculations	Occupied Roof Area (ft²)	Solar Access Roof Area (ft²)	Min Size of PV System Required (Watts)
School or Classroom	960	1,140	0	Roof plans A-3.x.x	0	1,140	1.56
						Total Min-Size PV System Required in All Spaces (Watts):	
						Total Size PV System Required in Design (Watts):	
						0	

FOOTNOTES: Includes the area of the building's roof space capable of structurally supporting a PV system and the area of all roof space on covered parking areas, carports, and all other newly constructed structures on the site that are compatible with supporting a PV system per Title 24, Part 2 Section 1511.2.

*Solar access must be determined using ASCE approved solar access calculation tools found at <https://www.energy.ca.gov/programs-and-specs/programs/building-energy-efficiency-standards/solar-accessment-tools>.

As specified by CBC Section 508.1.4.

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

	Form/Title
Calculations	
NREG-SAB-01-1: Must be submitted for all buildings that must comply with solar readiness or PV/Battery requirements.	

L. DECLARATION OF REQUIRED CERTIFICATES OF APPEALANCE

	Form/Title
There are no forms required for this project.	

Registration Number:	Generated Date/Time:	Documentation Source: Energy Code As
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.01.00 Schema Version: en 202202.01	Compliance 0: 01-15-2023-03 Report Generated: 2023-02-17T16:06:54-05:00

STATE OF CALIFORNIA

Solar And Battery

CERTIFICATE OF COMPLIANCE

CALIFORNIA ENERGY COMMISSION

WISC-BAB-18

Page 3 of 5

Project Name:

40- PC-PV

Report Page:

Project Address:

Date Prepared:

2023-02-17T18:05:07:05:00

F. ALLOCATED SOLAR ZONE

This section does not apply to this project.

G. PERMANENTLY INSTALLED SOLAR PV FOR SOLAR READY EXCEPTION

This section does not apply to this project.

H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEMS

This section does not apply to this project.

I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE FOR SOLAR READY EXCEPTION

This section does not apply to this project.

Registration Number:

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Schedule Version: rev 20220101

Compliance ID: 90126-0223-0002

Report Generated: 2023-02-17 13:05:11

STATE OF CALIFORNIA
Solar And Battery

CALIFORNIA ENERGY COMMISSION
NCCS-BA-BE-1

Project Name: _____

Project Address: _____

40: PC-Solar Road: _____

Report Date: _____

(Page 3 of 7)

2023-02-17T18:06:54-08:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D for guidance or see the applicable Table referenced below.

Allocated Solar Zone		Installed PV System				Installed SWH System				Smart Test and Alternative IE Measure		Compliance Results
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	
Required Minimum Area (ft²)	Designated Area (ft²)	Required Minimum DC Power Rating (Watts)	Designated DC Power Rating (Watts)	Required Minimum Solar Savings Fraction	Designated Solar Savings Fraction	Desired/Required Solar Savings Fraction	Desired/Required Solar Savings Fraction	IE JMS Compliant?	Alternative Energy Efficiency Measure			
(See Table F)	(See Table F)	(See Table G)	(See Table G)	(See Table H)	(See Table H)	(See Table I)	(See Table I)					
171	172	172	0	1	0	0	0	0	0	0	0	COMPLIES
<p>N/A Location or construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/plumbing to the electrical service/water heating system per 6110.100</p>												COMPLIES
<p>Battery storage system design meets the minimum requirements in Joint Appendix A2.2 and the minimum energy (MWh) power (kW) capacity per Table 9.1</p>												Not Applicable

D. EXCEPTIONAL CONDITIONS

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

--

E. ADDITIONAL REMARKS

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

--

Registration Number: _____

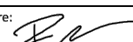
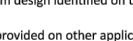
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: _____

Report Version: 2022.0.0
Schema Version: ver. 20220101

Documentation Software: Energy Code Ace

Compliance ID: 90123-2023-0003
Report Generated: 2023-02-17 15:08:58

STATE OF CALIFORNIA Solar and Battery		CALIFORNIA ENERGY COMMISSION	
CERTIFICATE OF COMPLIANCE			
Project Name:	40- PC-Solar Road	Report Page:	Page 7 of 7
Project Address:			2023-02-17T 18:06:54-08:00
DECLARATION OF THE DECLARANT'S STATEMENT			
I certify that this Certificate of Compliance documentation is accurate and complete.			
Declaration Author Name: Ryan McIntosh Declaration Author Title: Ryan McIntosh Declaration Author Address: 2830 Laurel Ave City/State/Zip: Perris/CA/92571		Declaration Author Signature:  Signature Date: 02-20-2023 CEM Declaration Identification (if applicable): Phone: (951) 843-5391	
RESPONSIBLE PERSON'S DECLARATION STATEMENT			
I certify the following under penalty of perjury under the laws of the State of California:			
1. The information provided on this Certificate of Compliance is true and correct.			
2. I am aware under Sections 3-5 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (a responsible designer).			
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conforms to the requirements of the 2019, 2022, and 2024 California Code of Regulations.			
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.			
5. I will ensure that a completed signed copy of this Certificate of Compliance that be made available to the building permit(s) issued for the building, and made available to the enforcement agency for its approval.			
6. I will ensure that a completed signed copy of this Certificate of Compliance is required to be included with the documentation for the building permit or other document.			
Responsible Declaration Name: John Smith Responsible Declaration Title: John Smith Responsible Declaration Address: 2830 Laurel Ave City/State/Zip: Perris/CA/92571		Responsible Declaration Signature:  Signature Date: 02-20-2023 License: SDTS Phone: (951) 843-5391	
Registration Number: _____ Generated Date/Time: _____ Declaration Software: Energy Code Ace			
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance		Report Version: 2022.02.00 Schema Version: 01-20220101 Report Generated: 2023-02-17 18:06:58	

State of California

Solar And Battery

CERTIFICATE OF COMPLIANCE

40 CP-PV/Report Page: 1

Project Name:

Date Prepared:

2023-02-17T18:05:07-08:00

Page 4 of 5

1. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS

This table documents compliance with prescriptive photovoltaic and battery system installations in 140.101, 170.21g and (f). Unless the project meets one of the listed exceptions, or trades-out PV in an energy model using performance photovoltaic, 140.101, 170.21g and (f) requires installed photovoltaic, and battery systems for newly constructed buildings. The installed PV system must meet the minimum requirements in table Appendix 21.

Photovoltaic (PV) System

G1	G2	G3	G4	G5	G6	G7	G8
Occupancy	Conditioned Floor Area (ft²)	Area of New Roof¹ (ft²)	Roof Area < 70% Solar Access¹ (ft²)	Flashed or Document showing Solar Access Calculations	Occupied Roof Area¹ (ft²)	Solar Access Roof Area (SARA) (ft²)	Min Size of PV System Required (WDC)
School or Classroom	4,800	5,700	0	Sheet A-0.7	0	11.8	11.8
Total Min Size PV System Required for all Spaces (WDC)						11.81	
Total Size PV System in Design (WDC)						11.81	

¹FOOTNOTES: Includes the area of the building's roof space capable of structurally supporting a PV system and the area of all roof space on covered parking areas, carports, and all other newly constructed structures on the site that are compatible with supporting a PV system per Table 26, Part 2, Section 1511.2.

²Solar access must be determined using CEC approved solar access calculation tools found at <https://www.sccrec.org/cec-section-901-a-6-topics/programs/building-energy-efficiency-standards/solar-access-tools>.

³As specified by CEC Section 901.4.1.

2. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title

NRCS SAB-01-E - Must be submitted for all buildings that must comply with solar readiness or PV/Battery requirements.

3. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

Generated Date/Time:

Documentation Software: Energy Code

Registration Number:

Report Version: 2022.0.00

CAL Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Generated: 2023-02-17 15:05:11


Compliance ID: 901-025-0002

STATE OF CALIFORNIA Solar And Battery CERTIFICATE OF COMPLIANCE		NWC-BAR-BAE CALIFORNIA ENERGY COMMISSION PROJECT NAME: _____ REPORT DATE: _____ PROJECT ADDRESS: _____ DATE PREPARED: _____								
		PAGE # OF TOTAL PAGES 1172 OF 1178								
<p>The following information was reviewed by the Commission staff and found to be in compliance with the requirements of the California Energy Code, Title 24, Part 9, Chapter 3.2, Article 1. The project is designed to comply with the minimum area requirement for the Solar Zone Subarea as shown on the roof plan or documented in construction documents. The solar panels must also comply with the Pre code requirements, including, but not limited to, setback and minimum separation requirements. Requirements for interconnection pathways must also be included in construction documents, and the location is specified in this table.</p>										
E-ALLOTTED SOLAR ZONE										
This table is completed if the project is designing a solar zone to comply with §110.100(b). New construction considered the total roof area; Additions consider newly added roof area. This table demonstrates that the project has designated the minimum area required for the Allotted Solar Zone, and also that the requirements for Solar Zone Subareas have been met. Each subarea must be shown on a roof plan or documented in construction documents. The solar panels must also comply with the Pre code requirements, including, but not limited to, setback and minimum separation requirements. Requirements for interconnection pathways must also be included in construction documents, and the location is specified in this table.										
Required Minimum Solar Zones										
ID#	G1	G2	G3	G4	G5	G6	G7	G8		
Minimum Solar Zone Area Calculation Method	Total New Added Roof Area (#)	Total New or Added Roof Area Coined with Skylights (#)	Minimum Solar Zone Based on Total or Added Roof Area (#) 0.15 x (Roof Skylight Skylights) (#)	Method(s)/Tools Used to Determine Annual Solar Access for Potential Zones?	Potential Solar Zone Areas: Roof areas with > 70% Solar Access	Deep-Sloped Low Slopes (< 2:12 pitch) Overlaid 90° - 300° ("ft")	Total Potential Solar Zone Area (#)	Minimum Solar Zone Based on Potential Zone(s) 0.5 x Total Potential Zone(s) (#)	Required Minimum Solar Zone Area (#)	
Total New or Added Roof Area	1140		171						171	
Designated Solar Zone Subareas										
G9	G10	G11	G12	G13	G14	G15	G16	G17	G18	G19
Subarea Name or Tag	Building Plan Reference	Roof or Overlying Slope (pitch) >= 2:12 (pitch) >= 2:12 (pitch)	Is Steep-Sloped Roof or Overhang between 90 and 300 degrees?	Subarea Complies with Title 24, Part 9	Solar Zone Subarea Free of Obstructions per §110.100(a)(3)	Subarea is Required Distance From Potential obstructions per §110.100(b)(3)	Is the Smallest Dimension 5 feet or greater?	Min. Area Required per Section 7	Designated Area (#)	Subarea Complies?
Solar Zone	Roof plans sheets A-3-A	Low slope		Yes	Yes	Yes	Yes	Yes	84	172

Registration Number:
Generated Date/Time:
Documentation Source: Energy Code Division

CAD Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.02.00
Compliance ID: NP103-00253-00

Schema Version: rev 20220101
Report Generated: 2023-01-11 15:05:08

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:	
SHEET TITLE:	
CERTIFICATE OF COMPLIANCE FORMS	
REVISIONS	
<div><div>△</div><div>△</div><div>△</div><div>△</div><div>△</div></div>	
PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	
<div><div><div>IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP. 04-121999 INC: REVIEWED FOR SS <input checked="" type="checkbox"/> FLS <input checked="" type="checkbox"/> ACS <input checked="" type="checkbox"/> DATE: 08/31/2023</div></div></div>	
PC STATE AGENCY APPROVAL	
<div><div><p>Silver Creek</p><p>2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211</p></div></div>	
MODULAR BUILDING DESIGN PROFESSIONAL	
<div><div><div>REGISTERED PROFESSIONAL ENGINEER JOHN W STARR 2015 STRUCTURAL STATE OF CALIFORNIA</div></div></div>	
SILVER CREEK INDUSTRIES 24' x 40' PC	
PROJECT NO:	
DRAWN BY:	
SCALE: AS NOTED	
DATE: 02-27-2023	
P.C. SHEET NUMBER	
A-0.6C	

State of California
Domestic Water Heating System

NEC R-P.6.1
CALIFORNIA ENERGY COMMISSION

CONTRACTOR OF COMPLIANCE

This document is used to demonstrate compliance for nonresidential occupancies with requirements in 110.1, 110.3, 120.3, and 403.5, and with requirements in 141.0 for additions and alterations, for domestic water heating scopes using the prescriptive path. For high-rise residential and hotel/motel occupancies compliance is demonstrated with requirements in 110.3, 120.3, 160.4 and 170.2(a), and with requirements in 180.1 for additions and 180.2 for alterations.

Project Name: SILVER CREEK FC – TYPICAL CLASSROOM **Report Name:** _____

Project Address: _____ **Date Prepared:** _____

Page 1 of 6
 2023-02-07T16:07:55-05:00

A. GENERAL INFORMATION

#	Description	Permits	Climate Zone	10
01	Project Location (City)			
03	Occupancy Types Within Project (select all that apply)			

■ Classroom sinks and restroom lavatories

B. PROJECT SCOPE

This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive pathway outlined in 100.1, 110.1 and 141.0(c) 180.1, or 141.0(b)(2) / 180.1 for additions or alterations. Solar water heating systems are documented on the NRC-SAC sample document. Combined hydronic water heating systems are documented on the NRC-MCNY sample document.

#	Description	System Type ^{1,2}	System Components
01	My project consists of (check all that apply)		
02	<input type="checkbox"/> New system (DHW system being installed for the first time in newly constructed building) <input type="checkbox"/> System Alteration (renovation, distribution or controls)	<input type="checkbox"/> Individual System (serving nonresidential spaces)	<input type="checkbox"/> Equipment <input type="checkbox"/> Distribution <input type="checkbox"/> Controls

FOOTNOTES: Point of use water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems.
 1. Dwelling units refer to hotel/motel guest rooms and units in a multifamily residential occupancy.
 2. Dwelling units serving 2 or more dwellings, or other considered "Central Systems" for multifamily occupancies

C. COMPLIANCE RESULTS

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

Domestic Hot Water Equipment	Distribution Systems	Controls	Compliance Results
Table F	Table G	Table H	
Yes	Yes	Yes	COMPLIES

D. EXCEPTIONAL CONDITIONS

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

Registration Number: _____

CAL Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date: _____

Report Version: 2022.0.0.0
 Schema Version: 20230101

Documentation Software: _____

Compliance ID: R0683-023-000
 Report Generated: 2023-02-03 13:17:38

[illegible]

State of California Domestic Water Heating System		CALIFORNIA ENERGY COMMISSION NREC-BAF-2022-0009	
CONTRACT ID OF COMPLIANCE		NREC-BAF-2022-0009	
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page:	Page 2 of 6
Project Address:		Date Prepared:	2023-02-02T16:37:35-05:00

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


F. DOMESTIC HOT WATER EQUIPMENT
 This table is used to demonstrate compliance with mandatory equipment requirements in L10.1 and L10.3. Compliance with prescriptive requirements in L40.5(c) / L70.2(d) must also be demonstrated with input 1 / 146.1 / 146.1 / 146.1 for sedation and retention screens.
 Equipment Schedule: Water Heating Efficiency and Standby Loss


		Q3		Q4		Q5		Q6	
System Name	Water Heater	Exception to 140.5(c) / 170.2(d)	Exceptions Do Not Apply			Gas Service Water Heating System Input Capacity = 1MMBtu/h ¹	Capacity-weighted Average Efficiency %		
07	08	09	10	11	12	13	14	15	
Name or Item Tag	Equipment Type	Volume (gal.)	Rated Input Capacity (Btu/h)	Nat Gas (GPM) First Hour Rating (FHR)	Rated Efficiency (%)	Minimum Efficiency Required	Efficiency Unit	Designed Standby Loss	Maximum Standby Loss
WH-1	Consumer Rated Electric Instantaneous ($<=120V$)	$<=2$	10,264	$>= GPM \cdot L7$	0.91	0.91	UEF		

¹FOOTNOTE: In systems $\geq 1\text{ MMBtu/h}$ with multiple units, gas water heaters with input capacity $>100,000\text{ Btu/h}$ may meet 90% EER requirements via an input capacity-weighted average.

Water Heating Equipment All Occupancies	Requirement
18 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unfired storage tank insulation shall have Internal + External $\geq R16$ OR Internal $\geq R16$ + Sidel $\geq R5$. Label required per 110.3(1)(3).
19 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	New state valves for 60% of energy for service water heating from solar solar or recovered energy per 110.3(3)(6).
20 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Instant valves for instantaneous water heater with input rating $\geq 6.8\text{ kBtU/h}$ or 2 kW has been specified per 110.3(3)(6).
21 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	School buildings $\geq 25,000\text{ ft}^2$ and 4 stories must install a heat pump water heating system per 140.5(f). Water heating systems serving individual bathroom space may be an instantaneous electric water heater.

STATE OF CALIFORNIA Domestic Water Heating System		CALIFORNIA ENERGY COMMISSION REC-24-01	
CERTIFICATE OF COMPLIANCE		(Page 6 of 6)	
Project Name:	SILVER CREEK PK. TYPICAL CLASSROOM	Report Page:	02-16-2023
Project Address:	2033 02-0716-17-35-05:00	Date Prepared:	2023-02-07 16:35:05:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Ryan McIntosh Company: Silver Creek Industries, LLC Address: 2832 Barnett Ave City/State: Perris/CA02571	Documentation Author Signature:  Signature Date: 02-16-2023 CEC web Certification Declaration (if applicable): Phone: (951) 843-5391

RESPONSIBLE PERSON'S DECLARATION STATEMENT	
I certify the following under penalty of perjury, under the laws of the State of California:	
1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 1 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of the California Building Energy Efficiency Standards. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on applicable compliance documents, worksheets, calculations, and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a completed copy of this Certificate of Compliance shall be made available with the building permit(s) issued and the building, and made available to the enforcement agency for all applicable projects and subdivisions that a completed signed copy of this Certificate of Compliance is required to be submitted to the enforcement agency.	
Responsible Designer Name: John Stross Company: Silver Creek Industries, LLC Address: 2832 Barnett Ave City/State: Perris/CA02571	Responsible Designer Signature:  Signature Date: 02-16-2023 License: 2475 Phone: (951) 843-5391

Registration Number:	General Date/Time:	Documentation Summary: Energy Code Add
CA Building Energy Efficiency Standards - 2022 Nonsidential Compliance	Report Version: 2022.00.00 Schema Version: 2022.00.01	Compliance ID: 85856-2023-0009 Report Generated: 2023-02-07 17:38:34

STATE OF CALIFORNIA Domestic Water Heating System		CALIFORNIA ENERGY COMMISSION NESC 6.8			
CERTIFICATE OF COMPLIANCE					
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM		Report Page:	Page 6 of 6		
Project Address:		Date Prepared:	2023-02-07T16:17:35-08:00		
This table is used to demonstrate compliance for nonresidential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and hotel/motel occupancies, compliance is demonstrated with requirements 120.3(a), 160.4, 170-200.					
Mandatory Pipe Insulation All Occupancies					
For systems serving dwelling units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A [see below].					
13	<input type="checkbox"/>	• Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetrates. Piping that penetrates metal framing shall use pipe insulation, plugs, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall cover all exterior piping at framing members. • Piping installed in interior or exterior walls shall not be required to have pipe insulation if all of the requirements are met for compliance with Quality Installation Installation (QI) as specified in the Reference Residential Appendix RA3.5. • Piping surrounded with a minimum of 1 inch of wall insulation, 2 inches of crawlspace insulation, or 4 inches of attic insulation, shall not be required to have pipe insulation.			
14	<input checked="" type="checkbox"/>	For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A [see below per 120.3]: • Recirculating system piping, including supply and return piping of the water heater. • The first 8 ft of hot and cold outlet piping, including due to sunlight, moisture, equipment maintenance, and heat treatment. For nonrecirculating storage systems • Pipes that are externally exposed. • Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and heat treatment. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per Table 120.3-A (160.4-A). Pipe insulation buried below grade must be installed in a water proof and non-combustible cover or sleeve.			
Table 120.3-A / 160.4-A PIPE INSULATION THICKNESS					
Fluid Temperature Range (°F)	Conductivity Range (Btu-in per hour per ft ² per °F-in)	Nominal Pipe Diameter (in)			
		< 1	1 to 1.5	1.5 to 4	1.5 to 4 (Multifamily & Hotels/Motels)
105-140	0.23 - 0.28	1.0 in or R-7.7	1.5 in or R-22.5	1.5 in or R-21	2.0 in or R-36

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: Report Version: 2022.02.05
 Schema Version: 2022.02.05

Documentation Software: Energy Code Ace
 Compliance ID: #6563-2023-03-09
 Report Generated: 2023-02-07 10:37:38

STATE OF CALIFORNIA Domestic Water Heating System		CALIFORNIA ENERGY COMMISSION ENERG-308 (10/16)
CERTIFICATE OF COMPLIANCE		Page 4 of 4
Project Name: SEVEN CREEK PK - TYPICAL CLASSROOM		Report Prepared: 3/15/2020
Project Address: 3500-4201 16th St, San Jose, CA 95131		Date of Installation: 2023-02-04 16:17:35-0500

H. DOMESTIC HOT WATER CONTROLS			
	Yes	No	Requirement
01	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls, capable of adjusting temperature settings per 110.3 (a).
02	<input type="checkbox"/>	<input type="checkbox"/>	Systems with capacity > 167,000 BTU/h (100,000 Watts) must have a minimum of 110.3 (a) (1) or 110.3 (b) (1) or 110.3 (c) (1) or 110.3 (d) (1) or 110.3 (e) (1) or 110.3 (f) (1) or 110.3 (g) (1) or 110.3 (h) (1) or 110.3 (i) (1) or 110.3 (j) (1) or 110.3 (k) (1) or 110.3 (l) (1) or 110.3 (m) (1) or 110.3 (n) (1) or 110.3 (o) (1) or 110.3 (p) (1) or 110.3 (q) (1) or 110.3 (r) (1) or 110.3 (s) (1) or 110.3 (t) (1) or 110.3 (u) (1) or 110.3 (v) (1) or 110.3 (w) (1) or 110.3 (x) (1) or 110.3 (y) (1) or 110.3 (z) (1) or 110.3 (aa) (1) or 110.3 (ab) (1) or 110.3 (ac) (1) or 110.3 (ad) (1) or 110.3 (ae) (1) or 110.3 (af) (1) or 110.3 (ag) (1) or 110.3 (ah) (1) or 110.3 (ai) (1) or 110.3 (aj) (1) or 110.3 (ak) (1) or 110.3 (al) (1) or 110.3 (am) (1) or 110.3 (an) (1) or 110.3 (ao) (1) or 110.3 (ap) (1) or 110.3 (aq) (1) or 110.3 (ar) (1) or 110.3 (as) (1) or 110.3 (at) (1) or 110.3 (au) (1) or 110.3 (av) (1) or 110.3 (aw) (1) or 110.3 (ax) (1) or 110.3 (ay) (1) or 110.3 (az) (1) or 110.3 (ba) (1) or 110.3 (bb) (1) or 110.3 (bc) (1) or 110.3 (bd) (1) or 110.3 (be) (1) or 110.3 (bf) (1) or 110.3 (bg) (1) or 110.3 (bh) (1) or 110.3 (bi) (1) or 110.3 (bj) (1) or 110.3 (bk) (1) or 110.3 (bl) (1) or 110.3 (bm) (1) or 110.3 (bn) (1) or 110.3 (bo) (1) or 110.3 (bp) (1) or 110.3 (bq) (1) or 110.3 (br) (1) or 110.3 (bs) (1) or 110.3 (bt) (1) or 110.3 (bu) (1) or 110.3 (bv) (1) or 110.3 (bw) (1) or 110.3 (bx) (1) or 110.3 (by) (1) or 110.3 (bz) (1) or 110.3 (ca) (1) or 110.3 (cb) (1) or 110.3 (cc) (1) or 110.3 (cd) (1) or 110.3 (ce) (1) or 110.3 (cf) (1) or 110.3 (cg) (1) or 110.3 (ch) (1) or 110.3 (ci) (1) or 110.3 (cj) (1) or 110.3 (ck) (1) or 110.3 (cl) (1) or 110.3 (cm) (1) or 110.3 (cn) (1) or 110.3 (co) (1) or 110.3 (cp) (1) or 110.3 (cq) (1) or 110.3 (cr) (1) or 110.3 (cs) (1) or 110.3 (ct) (1) or 110.3 (cu) (1) or 110.3 (cv) (1) or 110.3 (cw) (1) or 110.3 (cx) (1) or 110.3 (cy) (1) or 110.3 (cz) (1) or 110.3 (da) (1) or 110.3 (db) (1) or 110.3 (dc) (1) or 110.3 (dd) (1) or 110.3 (de) (1) or 110.3 (df) (1) or 110.3 (dg) (1) or 110.3 (dh) (1) or 110.3 (di) (1) or 110.3 (dj) (1) or 110.3 (dk) (1) or 110.3 (dl) (1) or 110.3 (dm) (1) or 110.3 (dn) (1) or 110.3 (do) (1) or 110.3 (dp) (1) or 110.3 (dq) (1) or 110.3 (dr) (1) or 110.3 (ds) (1) or 110.3 (dt) (1) or 110.3 (du) (1) or 110.3 (dv) (1) or 110.3 (dw) (1) or 110.3 (dx) (1) or 110.3 (dy) (1) or 110.3 (dz) (1) or 110.3 (ea) (1) or 110.3 (eb) (1) or 110.3 (ec) (1) or 110.3 (ed) (1) or 110.3 (ee) (1) or 110.3 (ef) (1) or 110.3 (eg) (1) or 110.3 (eh) (1) or 110.3 (ei) (1) or 110.3 (ej) (1) or 110.3 (ek) (1) or 110.3 (el) (1) or 110.3 (em) (1) or 110.3 (en) (1) or 110.3 (eo) (1) or 110.3 (ep) (1) or 110.3 (eq) (1) or 110.3 (er) (1) or 110.3 (es) (1) or 110.3 (et) (1) or 110.3 (eu) (1) or 110.3 (ev) (1) or 110.3 (ew) (1) or 110.3 (ex) (1) or 110.3 (ey) (1) or 110.3 (ez) (1) or 110.3 (fa) (1) or 110.3 (fb) (1) or 110.3 (fc) (1) or 110.3 (fd) (1) or 110.3 (fe) (1) or 110.3 (ff) (1) or 110.3 (fg) (1) or 110.3 (fh) (1) or 110.3 (fi) (1) or 110.3 (fj) (1) or 110.3 (fk) (1) or 110.3 (fl) (1) or 110.3 (fm) (1) or 110.3 (fn) (1) or 110.3 (fo) (1) or 110.3 (fp) (1) or 110.3 (fq) (1) or 110.3 (fr) (1) or 110.3 (fs) (1) or 110.3 (ft) (1) or 110.3 (fu) (1) or 110.3 (fv) (1) or 110.3 (fw) (1) or 110.3 (fx) (1) or 110.3 (fy) (1) or 110.3 (fz) (1) or 110.3 (ga) (1) or 110.3 (gb) (1) or 110.3 (gc) (1) or 110.3 (gd) (1) or 110.3 (ge) (1) or 110.3 (gf) (1) or 110.3 (gg) (1) or 110.3 (gh) (1) or 110.3 (gi) (1) or 110.3 (gj) (1) or 110.3 (gk) (1) or 110.3 (gl) (1) or 110.3 (gm) (1) or 110.3 (gn) (1) or 110.3 (go) (1) or 110.3 (gp) (1) or 110.3 (gq) (1) or 110.3 (gr) (1) or 110.3 (gs) (1) or 110.3 (gt) (1) or 110.3 (gu) (1) or 110.3 (gv) (1) or 110.3 (gw) (1) or 110.3 (gx) (1) or 110.3 (gy) (1) or 110.3 (gz) (1) or 110.3 (ha) (1) or 110.3 (hb) (1) or 110.3 (hc) (1) or 110.3 (hd) (1) or 110.3 (he) (1) or 110.3 (hf) (1) or 110.3 (hg) (1) or 110.3 (hh) (1) or 110.3 (hi) (1) or 110.3 (hj) (1) or 110.3 (hk) (1) or 110.3 (hl) (1) or 110.3 (hm) (1) or 110.3 (hn) (1) or 110.3 (ho) (1) or 110.3 (hp) (1) or 110.3 (hq) (1) or 110.3 (hr) (1) or 110.3 (hs) (1) or 110.3 (ht) (1) or 110.3 (hu) (1) or 110.3 (hv) (1) or 110.3 (hw) (1) or 110.3 (hx) (1) or 110.3 (hy) (1) or 110.3 (hz) (1) or 110.3 (ia) (1) or 110.3 (ib) (1) or 110.3 (ic) (1) or 110.3 (id) (1) or 110.3 (ie) (1) or 110.3 (if) (1) or 110.3 (ig) (1) or 110.3 (ih) (1) or 110.3 (ii) (1) or 110.3 (ij) (1) or 110.3 (ik) (1) or 110.3 (il) (1) or 110.3 (im) (1) or 110.3 (in) (1) or 110.3 (io) (1) or 110.3 (ip) (1) or 110.3 (iq) (1) or 110.3 (ir) (1) or 110.3 (is) (1) or 110.3 (it) (1) or 110.3 (iu) (1) or 110.3 (iv) (1) or 110.3 (iw) (1) or 110.3 (ix) (1) or 110.3 (iy) (1) or 110.3 (iz) (1) or 110.3 (ja) (1) or 110.3 (jb) (1) or 110.3 (jc) (1) or 110.3 (jd)

State of California

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

REG-17-01

This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)(2) for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.1(e) and 180.2(b)(4) for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes residential and senior living facilities.

Project Name:

Project Address:

40- PC-12440- 1-st Model Restroom

Date Prepared:

(Page 1 of 7)

2023-02-20T11:47:24-05:00

A. GENERAL INFORMATION

01 Project Location (city)	NA	04 Total Conditioned Floor Area (ft²)	0
02 Climate Zone	10	05 Total Unconditioned Floor Area (ft²)	480
03 Occupancy Types Within Project (select all that apply):		06 # of Stories (Exhaustible Above Grade)	1

• School or Classroom

B. PROJECT SCOPE

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

Scope of Work		Conditioned Spaces		Unconditioned Spaces	
01		02	03	04	05
My Project Consists of (check all that apply):		Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
<input checked="" type="checkbox"/> New Lighting System	N/A	N/A	0	Complete-Building Method	480
<input type="checkbox"/> New Lighting System - Parking Garage	N/A	N/A	0	N/A	0
Total Area of Work (ft²)					480

Registration Number:

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time:

Report Version: 2022.0.020
Schema Version: rev. 2022(01)

Documentation Software: Energy Code Ace

Compliance ID: REG-0233-0022
Report Generated: 2023-02-20 18:47:30

State of CALIFORNIA
Indoor Lighting
 (ESTIMATE OF COMPLIANCE)

40. FC-12x40 - 1-mood Restroom

CALIFORNIA ENERGY COMMISSION
 NREL-2021-01-01

Project Name: _____
 Project Address: _____

Report Page: _____
 Date Prepared: _____

(Page 2 of 17)
 2023-02-20T17:47:24-05:00

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

	Allowed Lighting Power per 140.6(B) / 170.2(e) (Watts)					Adjusted Lighting Power per 140.6(B) / 170.2(e) (Watts)				Compliance Results
	01	02	03	04	05	06	07	08	09	
Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(C) / 170.2(f)										
	Complete building	Area Category 140.6(B) / 170.2(e)(4)	Area Category Additional 140.6(B)(5) / 170.2(e)(4)(+) (+)	Talloned 140.6(B) / 170.2(e)(4)(+) (+)	Total Allowed (Watts)	Designated (Watts)	Adjusted Control Credits: 140.6(B) / 170.2(e)(1B) (-)	=	Total Adjusted (Watts) Includes Adjustments.	05 must be >= 08 140.6 / 170.2(e)
	[See Table I]	[See Table I]	[See Table I]	[See Table I]	+	[See Table F]	[See Table F]	=		
Conditioned					+	z		=		
Unconditioned	288				+	288	z	=	255	
	Controls Compliance (See Table A for Details)									COMPLIES
	Rated Power Reduction Compliance (See Table A for Details)									COMPLIES

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

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

Registration Number: _____
 CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: _____
 Report Version: 2022.04.00
 Schema Version: rev.002003(1)

Documentation Sources: Tenergy Code App
 Compliance is BASED-2021-01-01
 Report Generated: 2023-02-20T17:47:24-05:00

CITY OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION	
Indoor Lighting		NCC-012	
(CERTIFICATE OF COMPLIANCE)			
Project Name:		40. PC-12x40 - 3-mod Restroom	
Project Address:		Date Prepared:	
		(Page 3 of 10)	
		2023-02-20T11:47:24-05:00	

F. INDOOR LIGHTING FIXTURE SCHEDULE

This section includes all planned permanent and portable lighting other than dwelling unit/hotel/motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T-7 using Table T-6 to document lighting in multifamily common use areas providing three provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: UNCONDITIONED Spaces

Name or Item Tag	G1 Complete Luminaires Description	G3 Modular (Track) Fixtures	G4 Small Aperture & Color Change ¹	Watts per Luminaire ²	How is Wattage determined	Total Number of Luminaires	Excluded per 140.50(a)(1) 170.2(c)(2)	Design Watts	Field Inspector
F-1	Layn LED Fixture	No	NA	51	NA See Spec	5		255	<div style="display: flex; justify-content: space-around;"> <input type="checkbox"/> Pass <input type="checkbox"/> Fail </div>
Total Designed Watts: UNCONDITIONED SPACES								255	

¹FOOTNOTE: Designate Watts for small aperture and color changing luminaires which qualify per 140.60(4) & 170.2(c)(2) is adjusted to be 75% 80% of the rated wattage. Table F outlines wattage multipliers for this adjustment, the permit application should enter full rated wattage in column G5.

²Authority Having Jurisdiction may ask for Luminaires cut sheets to confirm wattage used for compliance per 170.2(c)(1), 160.50(i). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls	G1	G2	G3
			Field Inspector
Mandatory Demand Response 110.12(c)		Shut-off controls 330.1(c)(1), 160.50(h)(4)	<div style="display: flex; justify-content: space-around;"> <input type="checkbox"/> Pass <input type="checkbox"/> Fail </div>
NA < 4,000W subject to multiwell		See Area/Space Level Controls	<div style="display: flex; justify-content: space-around;"> <input type="checkbox"/> Pass <input type="checkbox"/> Fail </div>

202302 Includes all planned permanent and portable lighting other than dwelling unit/hotel/motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T-7 using Table T-6 to document lighting in multifamily common use areas providing three provisions for living, eating, cooking or sanitation, those luminaires are not included here. Authority Having Jurisdiction may ask for Luminaires cut sheets to confirm wattage used for compliance per 170.2(c)(1), 160.50(i). Wattage used must be the maximum rated for the luminaire, not the lamp.	General Date/Time: _____ Reporting Software: Energy Code As Report Version: 2022.03.00 Schema Version: 02/20/2021 Compliance ID: R0888-2023-0003 Report Generated: 2023-02-20 08:47:36
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STATE OF CALIFORNIA

CERTIFICATE OF COMPLIANCE

40: PC 12-640 1-5 Mod Restroom

Indoor Lighting

Report Prepared:

CALIFORNIA ENERGY COMMISSION

NRC-01-23

Project Name:

Project Address:

Page 4 of 47 of 47

2023-02-20T11:47:24-05:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Control 130.100 // 160.503A4	Multi-Level Controls 130.100 // 160.503A8	Shut Off Controls 130.101 // 160.503AC	Primary/Secondary Daylighting 130.101 // 160.503AD	Interlocked Systems 140.8A1 // 170.2a3A		Field Inspector	
							Pass	Fail	
		Restroom	School or Classroom	Auth. Personnel	Dimmer	Occupancy Sensor	NA: Not daylight zone	NA: Not daylight zone	No
							13		
Plan Sheet Showing Daylit Zones:									

LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 160.505(a) are being used.

Unconditioned Spaces	01	02	03	04	05	06
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wastage (Watts)	Additional Allowance / Adjustment	Area Category PAF
Restroom	School or Classroom	0.6	480	288	No	No
			TOTAL:	480	288	See Tables 1 or 2 for detail

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

Registration Number:

CA Building Energy Efficiency Standards - 2022

Generated Date/Time:

Schema Version: 2023.0.000

Documentation Software: Energy Code

Compliance ID: 85848-2023.000

Report Generated: 2023-02-20 08:42:26

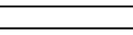
STATE OF CALIFORNIA Indoor Lighting		CALIFORNIA ENERGY COMMISSION	
CERTIFICATE OF COMPLIANCE		NCEC-1318	
Project Name:	40 - FC-12x40 - 1-meat Restaurant	Report Page:	(Page 5 of 7)
Project Address:		Date Prepared:	2023-02-20T11:47:24-05:00
K. TAILED METHOD GENERAL LIGHTING POWER ALLOWANCE			
This section does not apply to this project.			
L. ADDITIONAL LIGHTING ALLOWANCE: TAILED WALL DISPLAY			
This section does not apply to this project.			
M. ADDITIONAL LIGHTING ALLOWANCE: TAILED FLOOR AND TASK LIGHTING			
This section does not apply to this project.			
N. ADDITIONAL LIGHTING ALLOWANCE: TAILED DECORATIVE /SPECIAL EFFECTS			
This section does not apply to this project.			
O. ADDITIONAL LIGHTING ALLOWANCE: TAILED VERY VALUABLE MERCHANDISE			
This section does not apply to this project.			
P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))			
This section does not apply to this project.			
Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOUR ALL ALTERATIONS			
This section does not apply to this project.			
R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS			
This section does not apply to this project.			

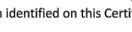
Registration Number:
Generated Date/Time:
Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonsupplemental Compliance
Report Version: 2022.00.00
Schema Version: 00.2022.00.01
Compliance ID: R0405-0233-0002
Report Generated: 2023-02-20 18:47:28

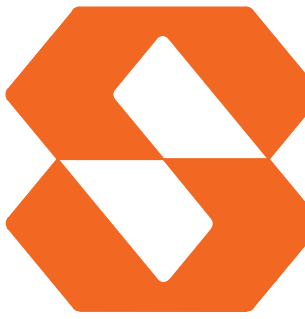

STATE OF CALIFORNIA Indoor Lighting		CALIFORNIA ENERGY COMMISSION	
CERTIFICATE OF COMPLIANCE		NREC-131-A	
Project Name:	40_PC-12x40_1-mat-Residential	Report Page:	(Page 6 of 7)
Project Address:		Date Prepared:	2023-02-20T11:47:24-05:00
5. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)			
This section does not apply to this project.			
T. DWELLING UNIT LIGHTING			
This section does not apply to this project.			
U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION			
		Form/Title	
NRC1-LT1-E : Must be submitted for all buildings			
V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE			
		Form/Title	
		Systems/Spaces To Be Field Verified	
NRC1A-LT1-Q2-A : Must be submitted for occupancy sensors and automatic time switch controls.		Residential	

STATE OF CALIFORNIA Indoor Lighting		CALIFORNIA ENERGY COMMISSION NREL 577	
CERTIFICATE OF COMPLIANCE		DATE PREPARED:	
Project Name: 40- PC-12640 1-mid Restroom	Report Page:	Print Page (7 of 7)	
Project Address:	Date Prepared: 2023-02-07 (2017-11-27 24:05:00)		

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that the Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Ryan McIntosh Company: Silver Creek Industries, LLC Address: 3830 Barnard Ave City/State/Zip: Phoenix/AZ/85031	Documentation Author Signature:  Signature Date: 02-20-2023 CEA NREL Certification (Description if applicable): Phone: (602) 945-5301

RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California:	
1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 1 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of the ASHRAE 90.1 and 90.1-T of the California Code of Regulations. 4. The building design feature or system design features identified on this Certificate of Compliance are consistent with the information on applicable compliance documents, worksheets, calculations, and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued, and made available to the enforcement agency for all applicable jurisdictions. I understand that a completed signed copy of this Certificate of Compliance is required by the enforcement agency for the building permit to be returned.	
Responsible Designer Name: John Struss Company: Silver Creek Industries, LLC Address: 3830 Barnard Ave City/State/Zip: Phoenix/AZ/85031	Responsible Designer Signature:  Design Number: CCE-2023-02 License: 2475 Phone: (602) 945-5301

Registration Number:	Generated Date/Time:	Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonsupplemental Compliance	Report Version: 2023.02.0001 Schema Version: 02/03/2023	Compliance ID: NREL58-0330-02 Report Generated: 2023-02-08 08:28:26

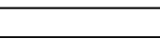
PROJECT SPECIFIC STATE AGENCY APPROVAL	
THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR 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:	
SHEET TITLE:	
SINGLE MODULE TOILET BUILDING COMPLIANCE FORMS	
REVISIONS	
<div>△</div> <div>△</div> <div>△</div> <div>△</div> <div>△</div>	
PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	
<div><div>IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP. 04-121999 INC: REVIEWED FOR SS <input checked="" type="checkbox"/> FLS <input checked="" type="checkbox"/> ACS <input type="checkbox"/> DATE: 08/31/2023</div></div>	
PC STATE AGENCY APPROVAL	
<div> Silver Creek 2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211</div>	
MODULAR BUILDING DESIGN PROFESSIONAL	
<div></div>	
SILVER CREEK INDUSTRIES 24' x 40' PC	
PROJECT NO:	
DRAWN BY:	
SCALE: AS NOTED	
DATE: 02-27-2023	
P.C. SHEET NUMBER	
A-0.6D	


STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION	
Domestic Water Heating System		NCEC R-1.0	
<p>This document is used to demonstrate compliance for nonresidential occupancies with requirements in H102, H103, H105, H120, and L403, and with requirements in L410 for additions and alterations, for domestic water heating scopes using the prescriptive path. For high-rise residential and hotel/motel occupancies compliance is demonstrated with requirements in H102, H103, H150, H160 and L202-205, and with requirements 1802 for additions and 1803 for alterations.</p>			
Project Name: SILVER CREEK PC – TYPICAL CLASSROOM		Report Prepared:	
Project Address:		2022-02-07T16:17:55+06:00	
A. GENERAL INFORMATION			
(A)	Project Location (City) _____	Permits _____	Climate Zone _____
(B)	Occupancy Types Within Project (select all that apply.) _____		10
• Classroom stairs and restroom lavatories			
B. PROJECT SCOPE			
<p>This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive pathway outlined in L403, L410 and L414(c)(1) 1801, or L410(d)(9)/M / 1801.20 for additions or alterations. Solar water heating systems are documented on the NRCAC-SAB compliance document. Combined hydronic water heating systems are documented on the NRCAC-MAGI compliance document.</p>			
	01	System Type ^{1,2}	03
			System Components
g) New system DWH system being installed for the first time in newly constructed building		Individual System (servicing nonresidential spaces)	
			<input type="checkbox"/> Equipment <input type="checkbox"/> Distribution <input type="checkbox"/> Controls <input type="checkbox"/> System Alteration (equipment, distribution or controls) <input type="checkbox"/> Equipment <input type="checkbox"/> Distribution <input type="checkbox"/> Controls
<p>¹FHDT/HTS: Point of use water heaters, or other non-central system used to serve nonresidential spaces, are considered Individual Systems. ²DWHS: DWHS serving 2 or less hot/water/meet guest rooms and units in a multifamily residential occupancy. DWHS serving 2 or more dwelling units are considered "Central System" for multifamily occupancies</p>			
C. COMPLIANCE RESULTS			
<p>Table C will indicate if the project data input into the compliance document is compliant with water heating requirements. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to table B or the table indicated or not compliant per guidance.</p>			
	01	Distribution Systems	03
		Controls	04
Domestic Hot Water Equipment			
Table F	Yes	Table I	Table J
	Yes	Yes	COMPLIES
D. EXCEPTIONAL CONDITIONS			
<p>This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.</p>			
Registration Number: _____		Generation Date/Time: _____	
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance		Report Version: 2022-02-09 Schema Version: no 2022(001)	
		Documentation Sources: Energy Code 2022	
		Compliance ID: EBC-0223-0009 Report Generated: 2022-02-13 17:38	

[illegible]

CITY OF CALIFORNIA Water Heating System <small>(CERTIFICATE OF COMPLIANCE)</small>		SILVER CREEK K - TYPICAL CLASSROOM <small>(CERTIFICATE OF COMPLIANCE)</small>		Report Page: Date Prepared: _____		Page # of 6 2023-02-07 16:35:05		
E. ADDITIONAL REMARKS								
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.								
F. DOMESTIC HOT WATER EQUIPMENT								
This table is used to demonstrate compliance with mandatory equipment requirements in 110.1 and 110.3. Compliance with prescriptive requirements in 140.5(c) / 170.2(d) must also be demonstrated and with 141.0 / 180.1 / 180.2 per addition and alternation scopes.								
Equipment Schedule: Water Heating Efficiency and Standby Loss								
System Name	WH-1	Exception to 140.5(c) / 170.2(d)	Exceptions Do Not Apply	G	Gas Service Water Heating System = 1MMBtu/h	Capacity-weighted Average Efficiency %	DE	
	07	08	09	10	11	12	13	
	14	15						
Name or Item Tag	Equipment Type	Volume [gal]	Rated Input Capacity [MBtu/h]	Max GPM First Hour Rating [FHR]	Rated Efficiency	Minimum Efficiency Required	Efficiency Unit	Designed Standby Loss
								Maximum Standby Loss
WH-1	Consumer Rated Electric Instantaneous (CRERI) <=2	10.264	0 => GPM <1.7	0.91	0.91	UEF		
<i>*FOOTNOTE: In systems > 1MMBtu/h with multiple units, gas water heaters with input capacity > 100,000 Btu/h may meet 50% UEF requirements via an input capacity-weighted average.</i>								
Water Heating Equipment All Occupancies								
	Yes	No	Not Applicable	Requirement				
18	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unfired storage tank insulation shall have Internal + External >18-R OR External >18-S. Label required per 110.1(c)(3).				
19	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New state buildings 60 days of instantane water service heating from solar energy or recovered energy per 110.1(c)(3).				
20	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Insulation valves for instantaneous water heating having input rating >6.8 MBTU/H or 2 kW has been specified per 110.1(a)(3)(c).				
21	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	School buildings >25,000 ft² and 4 stories must install a heat pump water heating system per 140.5(c). Water heating systems serving an individual bathroom space may be an instantaneous electric water heater.				

STATE OF CALIFORNIA Domestic Water Heating System		CALIFORNIA ENERGY COMMISSION REC-24-01	
CERTIFICATE OF COMPLIANCE		(Page 6 of 6)	
Project Name:	SILVER CREEK PK. TYPICAL CLASSROOM	Report Date:	02/16/2023
Project Address:	2033 02 Q716-17-35-05:00	Date Prepared:	02/16/2023

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Ryan McIntosh Company: Silver Creek Industries, LLC Address: 2822 Barnard Ave City/State: Santa CA/95271	Documentation Author Signature:  Signature Date: 02-16-2023 I/We verify Certification Information (if applicable): Phone: (951) 843-5391

RESPONSIBLE PERSON'S DECLARATION STATEMENT	
I verify the following under penalty of perjury, under the laws of the State of California:	
1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 9 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of the California Building Energy Efficiency Standards. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on applicable compliance documents, worksheets, calculations, and specifications submitted to the enforcement agency for approval with this building permit application. 5. I warrant that a completed copy of this Certificate of Compliance shall be made available with the building permit(s) issued and the building, and made available to the enforcement agency for all applicable projects and subdivisions that a completed signed copy of this Certificate of Compliance is required to be submitted to the building owner at the time of occupancy.	
Responsible Designer Name: John Stross Company: Silver Creek Industries, LLC Address: 2822 Barnard Ave City/State: Santa CA/95271	Responsible Designer Signature:  Signature Date: 02-16-2023 License: 2475 Phone: (951) 843-5391

Registration Number:	General Date/Type:	Documentation Summary: Energy Code Add
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.00.00 Schema Version: 2022.00.01	Compliance ID: 85856-2023-0009 Report Generated: 2023-02-16 13:38:34

<div style="display: flex; justify-content: space-between;"> State of California Domestic Water Heating System </div>		<div style="display: flex; justify-content: space-between;"> CERTIFICATE OF COMPLIANCE MSCB-PUB-1 </div>																										
Project Name: SILVER CREEK JR. - TYPICAL CLASSROOM		Report Date:																										
Project Address:		Date Prepared: 2023-02-07T16:13:55-06:00																										
<div style="border: 1px solid black; padding: 5px;"> 6. DOMESTIC HOT WATER DISTRIBUTION SYSTEM </div>																												
<p><i>This table is used to demonstrate compliance for nonresidential applications with distribution requirements in 120.3 and 140.5. For multifamily and hotel/motel occupancies, compliance is demonstrated with requirements 130.3(c), 160.4, 170.2(d).</i></p>																												
Mandatory Pipe Insulation All Occupancies																												
13	<input type="checkbox"/>	<p>For systems serving dwelling units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see below) except:</p> <ul style="list-style-type: none"> • piping that penetrates framing members but that not be required to have pipe insulation for the distance of the framing penetration. Piping that penetrates metal framing or uses grommets, plugs, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall also securely anchor all framing members. • piping installed in interior or exterior walls shall not be required to have pipe insulation if all of the requirements are met for compliance with Quality Installation Installation (QI) as specified in the Reference Residential Appendix RA3.5. • Piping surrounded with a minimum of 1 inch of wall insulation, 2 inches of crawspace insulation, or 4 inches of attic insulation, shall not be required to have pipe insulation. 																										
14	<input checked="" type="checkbox"/>	<p>For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A (see below per 120.3):</p> <ul style="list-style-type: none"> • Recirculating system piping, including supply and return piping of the water heater • The first 8 ft of hot and cold outlet piping, including between storage tank and heat pump, for a nonrecirculating storage system • Pipes that are externally heated <p>Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per 120.3(b) / 160.4(f). Pipe insulation buried below grade must be installed in a water proof and non-combustible casing or sleeve.</p>																										
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="5" style="padding: 5px;">TABLE 120.3-A / 120.3(b) / 160.4(f) INSULATION THICKNESS</th> </tr> <tr> <th style="padding: 5px;">Fluid Temperature Range (°F)</th> <th style="padding: 5px;">Conductivity Range (Btu-in./hr. per ft. per °F)</th> <th style="padding: 5px;">Insulation Mean Rating Temp. (°F)</th> <th colspan="2" style="padding: 5px;">Nominal Pipe Diameter (in)</th> </tr> <tr> <th style="padding: 5px;"></th> <th style="padding: 5px;"></th> <th style="padding: 5px;"></th> <th style="padding: 5px;">1.5 to 4</th> <th style="padding: 5px;">1.5 to 4 Multifamily & Hotel/Motel</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">100-140</td> <td style="padding: 5px;">0.22-0.48</td> <td style="padding: 5px;">100</td> <td style="padding: 5px;">1.0 in or R-7</td> <td style="padding: 5px;">1.5 in or R-11</td> </tr> <tr> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> <td style="padding: 5px;">1.5 in or R-12.5</td> <td style="padding: 5px;">2.0 in or R-16</td> </tr> </tbody> </table>				TABLE 120.3-A / 120.3(b) / 160.4(f) INSULATION THICKNESS					Fluid Temperature Range (°F)	Conductivity Range (Btu-in./hr. per ft. per °F)	Insulation Mean Rating Temp. (°F)	Nominal Pipe Diameter (in)					1.5 to 4	1.5 to 4 Multifamily & Hotel/Motel	100-140	0.22-0.48	100	1.0 in or R-7	1.5 in or R-11				1.5 in or R-12.5	2.0 in or R-16
TABLE 120.3-A / 120.3(b) / 160.4(f) INSULATION THICKNESS																												
Fluid Temperature Range (°F)	Conductivity Range (Btu-in./hr. per ft. per °F)	Insulation Mean Rating Temp. (°F)	Nominal Pipe Diameter (in)																									
			1.5 to 4	1.5 to 4 Multifamily & Hotel/Motel																								
100-140	0.22-0.48	100	1.0 in or R-7	1.5 in or R-11																								
			1.5 in or R-12.5	2.0 in or R-16																								

Registration Number: CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time: Report Version: 2022.0000
 2023-02-07T16:13:55-06:00

Documentation Source: Energy Code 2022

Registration Number: 2023-02-07T16:13:55-06:00

Report Generated: 2023-02-07T16:13:55-06:00

Compliance ID: E666-023-0000

<div style="display: flex; justify-content: space-between;"> STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION </div> <h2 style="margin: 0;">Domestic Water Heating System</h2>			<div style="display: flex; justify-content: space-between;"> MEPC-001 Page 4 of 6 </div>	
Project Name: SILVER CREEK Pk - TYPICAL CLASSROOM			Report Date:	
Project Address:			Date Prepared: 2023-02-07T16:35:06.00	
H. DOMESTIC HOT WATER CONTROLS The table is used to demonstrate compliance with control requirements in 110.3 of the ASHRAE 90.1-2010. For multifamily residential and hotel/motel occupancies, compliance is also demonstrated by compliance with 160.4(a) of 2010 ASHRAE 90.1-2010.				
	Yes	No	Control Applicable	Requirement
01	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per 110.3(c).
02	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Systems with capacity > 147,000 BTU/h equipped with outlet temperature controls per 110.3(c)(1) unless covered by California Plumbing Code 613.0.
03	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per 110.3(c)(2) unless system serves healthcare facility.
04	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	For recirculation systems serving multiple dwelling units, design includes automatic pump controls per 170.0(f) or 180.1(b) for additional:
				For recirculation systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix B.4.4 per 170.2(a).
06	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Construction is positive shutoff and shall be provided per 160.0(a)(2) on all newly installed commercial boilers as follows: <ul style="list-style-type: none"> Boilers with input capacity > 2.5 MMbtu/h, when the boiler is designed to operate with a nonpositive static pressure. Boilers where one stack serves two or more boilers with a total combined input capacity per stack of 2.5 MMbtu/h. Boiler combustion air with motor > 10 hp shall meet one of the following: <ul style="list-style-type: none"> The fan motor shall be driven by a variable speed drive OR The fan motor shall be driven by a motor that limits the fan motor demand to < 30% of the total design wattage at 50% of the design air flow.
07	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Newly installed boilers with an input capacity (GPM) MMbtu/h and a steady state load combustion efficiency < 90% shall maintain excess (stack-gas) oxygen concentrations < 5% by volume on a dry basis over firing rates at 100-150% combustion. Carbon dioxide shall be controlled with respect to firing rate or fuel gas oxygen concentration. Use of a common gas and combustion air control linkage or jack shaft is prohibited.
08	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title

 NCI-PUB-E - Must be submitted for all buildings.

Generated Date/Time:

 Report Version: 2022.0.0000
 Schema Version: 20220101

Documentation Source: Energy Code 2022

 Compliance ID: 85630-2023-0009
 Report Generated: 2023-02-07 13:38:38

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.0000
 Schema Version: 20220101

Documentation Source: Energy Code 2022
 Compliance ID: 85630-2023-0009
 Report Generated: 2023-02-07 13:38:38

State of California

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

REG-17-01

This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)(2) for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.1(e) and 180.2(b)(4) for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes residential and senior living facilities.

Project Name:

40- PC 2x4x6 2-mod Restroom

Page 1 of 17

Project Address:

Date Prepared:

2023-02-07 11:51:41 -05:00

A. GENERAL INFORMATION

01 Project Location (city)

NA

04 Total Conditioned Floor Area (ft²)

0

02 Climate Zone

10

05 Total Unconditioned Floor Area (ft²)

960

03 Occupancy Types Within Project (select all that apply):

06 # of Stories (Exhaustible Above Grade)

1

• School or Classroom

B. PROJECT SCOPE

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

Scope of Work		Conditioned Spaces		Unconditioned Spaces	
01		02	03	04	05
My Project Consists of (check all that apply):		Calculation Method	Area (ft ²)	Calculation Method	Area (ft ²)
<input checked="" type="checkbox"/>	New Lighting System - N/A	N/A	0	Complete-Building Method	960
<input type="checkbox"/>	New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft ²)					960

Registration Number:

Report Number: 2022.0.020

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time:

Schemas Version: rev 2022(001)

Documentation Software: Energy Code Ace

Compliance ID: BAE5-2023-002

Report Generated: 2023-02-08 18:45:30

State of CALIFORNIA
Indoor Lighting

CALIFORNIA ENERGY COMMISSION
 NREL-24-015

Project Name: 401 PC-2640 2-mod Restroom
 Project Address: _____

Report Page: (Page 2 of 7)
 Date Prepared: _____

Report Generated: 2023-02-06 08:51:43

C. COMPLIANCE RESULTS

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

Lighting in conditioned spaces must not be combined for compliance per 140.6(c) / 170.20(e)	Allowed Lighting Power per 140.6(b) / 170.20(e) (Watts)					Adjusted Lighting Power per 140.6(d) / 170.20(e) (Watts)				Compliance Results
	01	02	03	04	05	06	07	08	09	
			Area Category	Tallied Additional		Total Allowed	Final Lighting Control Credits	Total Adjusted		
Complete building compliance per 140.6(c) / 170.20(e)		Category 140.6(b) / 170.20(e)	Category 140.6(b)(2) / 170.20(e)H (+)			Designated (Watts)	140.6(d)(2) / 170.20(e)H (+)	=	Includes Adjustments	05 must be >= 08 140.6 / 170.20(e)
[See Table I]	[See Table I]	[See Table I]	[See Table I]			[See Table F]		=		
Conditioned				=	z			=		
Unconditioned	576			=	576	z	\$10	=	\$10	COMPLIES
Rated Power Reduction Compliance [See Table A for Details]										

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

Registration Number: _____

CA Building Energy Efficiency Standards - 2022 Nonsidential Compliance

Generated Date/Time: _____

Report Version: 2022.02.0003
 Report Generated: 2023-02-06 08:51:43

Documentation Source: Energy Code App

Compliance file: 84655-2023-0001

City of California					CALIFORNIA ENERGY COMMISSION				
Indoor Lighting					MISC-CPA				
CERTIFICATE OF COMPLIANCE									
Project Name: 4D - PC 2x4x4 2-mid Restroom					Report Page: Page 3 of 7				
Project Address:					Date Prepared: 2023-02-20T11:51:41:05.000				
F. INDOOR LIGHTING FIXTURE SCHEDULE									
This table includes all planned permanent and portable lighting other than dwelling unit / hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table F-2 using Table F-1 as document lighting is multifamily common area uses providing shared provisions for living, eating, cooking or sanitation. Those luminaires are not included here.									
Detailed Wastage: Unconditioned Spaces									
Name or Item Tag	Complete Luminare Description	Modular (Track) Fixture	Small Aperture & Color Change ¹	Watts per luminaire ²	How is Wattage determined?	Total Number of Luminaires	Excluded per 140.6(a)(3) / 170.2(a)(2)C	Design Watts	Field Inspector
			No	\$1	Mfr. Spec	10	No	\$10	<input type="checkbox"/>
F-1	Lay-in LED Fixture	No	No					\$10	<input type="checkbox"/> <input checked="" type="checkbox"/>
						Total Designed Watts: UNCONDITIONED SPACES			
						\$10			
FOOTNOTE: wattages made for small aperture and color changing luminaires which qualify per 140.6(b)(4) / 170.2(a)(2)D is adjusted to be 75% / 80% of their rated wattage. Table F-1 automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05. Facility Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used; see compliance per 130.0(c) / 160.5(f). Wattage used must be the maximum rated and the luminaire, not the lamp, not the lamp.									
G. MODULAR LIGHTING SYSTEMS									
This section does not apply to this project.									
H. INDOOR LIGHTING CONTROLS (Not including PAFs)									
This table includes lighting controls for conditioned and unconditioned spaces.									
Building Level Controls									
G1		G2		G3		G4		Field Inspector	
Mandatory Demand Response 130.12(c)				Shut-off controls 130.1(c) / 160.5(d)4C				<input type="checkbox"/>	
NA < 4,000W subject to multiwatt ³				See Area/Space Level Controls				Pass Fail	
								<input type="checkbox"/> <input checked="" type="checkbox"/>	
Calculation number: Efficiency:					Generated Date/Time: Documentation Source: Energy code 2022				
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance					Compliance ID: RMSS-2023-0002				
Regulatory version: 2022.0.000 Schema Version: ver 2020.01.03					Report Generated: 2023-02-20T18:38:41				

SITE OF CALIFORNIA						CALIFORNIA ENERGY CODE					
Indoor Lighting						MISC CTA					
CERTIFICATE OF COMPLIANCE											
Project Name:				4D-PC-2x4d-2 mod Restroom				Report Page:		(Page 4 of 7)	
Project Address:								Date Prepared:		2023-02-20T11:51:43:09:00	
H. ADDITIONAL LIGHTING CONTROLS (Not including PAFs)											
Area Level Controls											
04	05	06	07	08	09	10	11	12			
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(b) / 160.5(b)(A)	Multi-Level Controls 130.1(b) / 160.5(b)(B)	Shut-Off Controls 130.1(c) / 160.5(b)(C)	Primary/Shift in Daylighting 130.1(d) / 160.5(b)(D)	Secondary Daylighting 130.1(e) / 160.5(b)(E)	Interlocked Systems 140.4(a)(1) / 200.2(a)(2A)	Field Inspector			
Restroom	School or Classroom	Auth. Personnel	Dimmer	Occupancy Sensor	NA; Not daylit zone	NA; Not daylit zone	No	<input type="checkbox"/>	<input type="checkbox"/>	Pass	Fail
							13				
Plan Sheet Showing Daylit Zones:											
LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS											
Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(d) are being used.											
Unconditioned Spaces											
01	02	03	04	05	06						
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wastage (Watts)	Additional Allowance / Adjustment						
Restroom	School or Classroom	0.6	960	576	No No						
TOTALS:			960	576	See Tables 1 or 4 for detail						
I. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM											
This section does not apply to this project.											

Registration Number: _____ Generated Date/Time: _____ Documentation Source: Energy Code Case _____

CA Building Energy Efficiency Standards - 2022 Nonsidential Compliance Report Version: 2022.0.0.00 Schema Version: ENR-2022(01) Compliance ID: BBA5-2023-0002 Project Generated: 2023-02-20T08:51:43 Compliance ID: BBA5-2023-0002

STATE OF CALIFORNIA Indoor Lighting		CALIFORNIA ENERGY COMMISSION	
CERTIFICATE OF COMPLIANCE			
Project Name:	40 - PC - 2x6x2 - 2-meat Restaurant	Report Page:	NEECE-131
Project Address:		(Page 5 of 7) Date Prepared:	2023-02-20T11:51:45-05:00
K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE			
[This section does not apply to this project.]			
L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY			
[This section does not apply to this project.]			
M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING			
[This section does not apply to this project.]			
N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS			
[This section does not apply to this project.]			
O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE			
[This section does not apply to this project.]			
P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))			
[This section does not apply to this project.]			
Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOUR ALL OPERATIONS			
[This section does not apply to this project.]			
R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS			
[This section does not apply to this project.]			

Registration Number:

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Generated Date/Time:

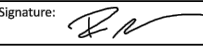
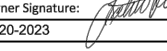
Report Version: 2022.00.00
 Schema Version: 00.2022.00.01

Documentation Software: Energy Code Ace


Compliance ID: B045-0239-0002
 Report Generated: 2023-02-20 18:51:48

STATE OF CALIFORNIA Indoor Lighting		CALIFORNIA ENERGY COMMISSION	
CERTIFICATE OF COMPLIANCE		NRECE-174	
Project Name: 401 PC-2640 2-mid Restroom		Report Page: (Page 6 of 7)	
Project Address:		Date Prepared: 2023-02-20T11:51:41-05:00	
S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)			
This section does not apply to this project.			
T. DWELLING UNIT LIGHTING			
This section does not apply to this project.			
U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION			
Form/Title			
NRC1-LT1-E : Must be submitted for all buildings			
V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE			
Form/Title		Systems/Spaces To Be Field Verified	
NRC1A-LT1-Q2-A : Must be submitted for occupancy sensors and automatic time switch controls.		Restroom	

STATE OF CALIFORNIA Indoor Lighting		CALIFORNIA ENERGY COMMISSION	
CERTIFICATE OF COMPLIANCE		NCEC-CLTA	
Project Name: 4D- PC-2640 2-mid Restroom	Report Date: (Page 1 of 1)	02-02-2023	
Project Address: 2830 Barnst Rd	Date Prepared: 02-02-2023	02-02-2023 11:51:41:05:00	

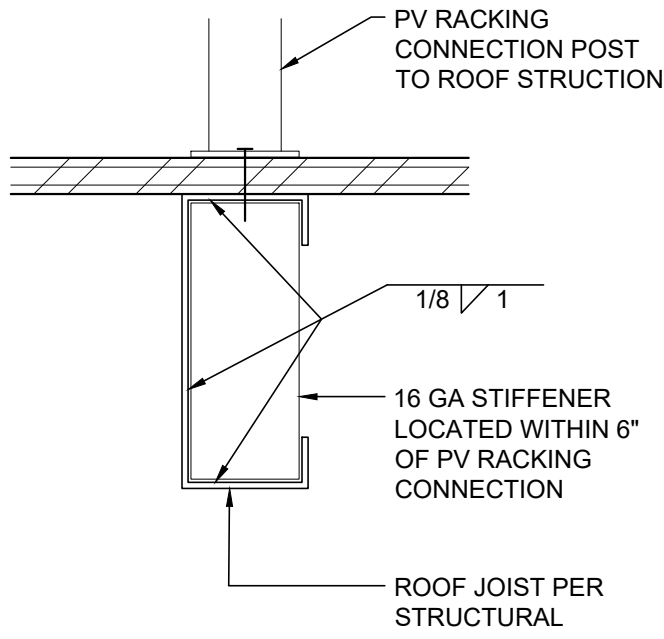
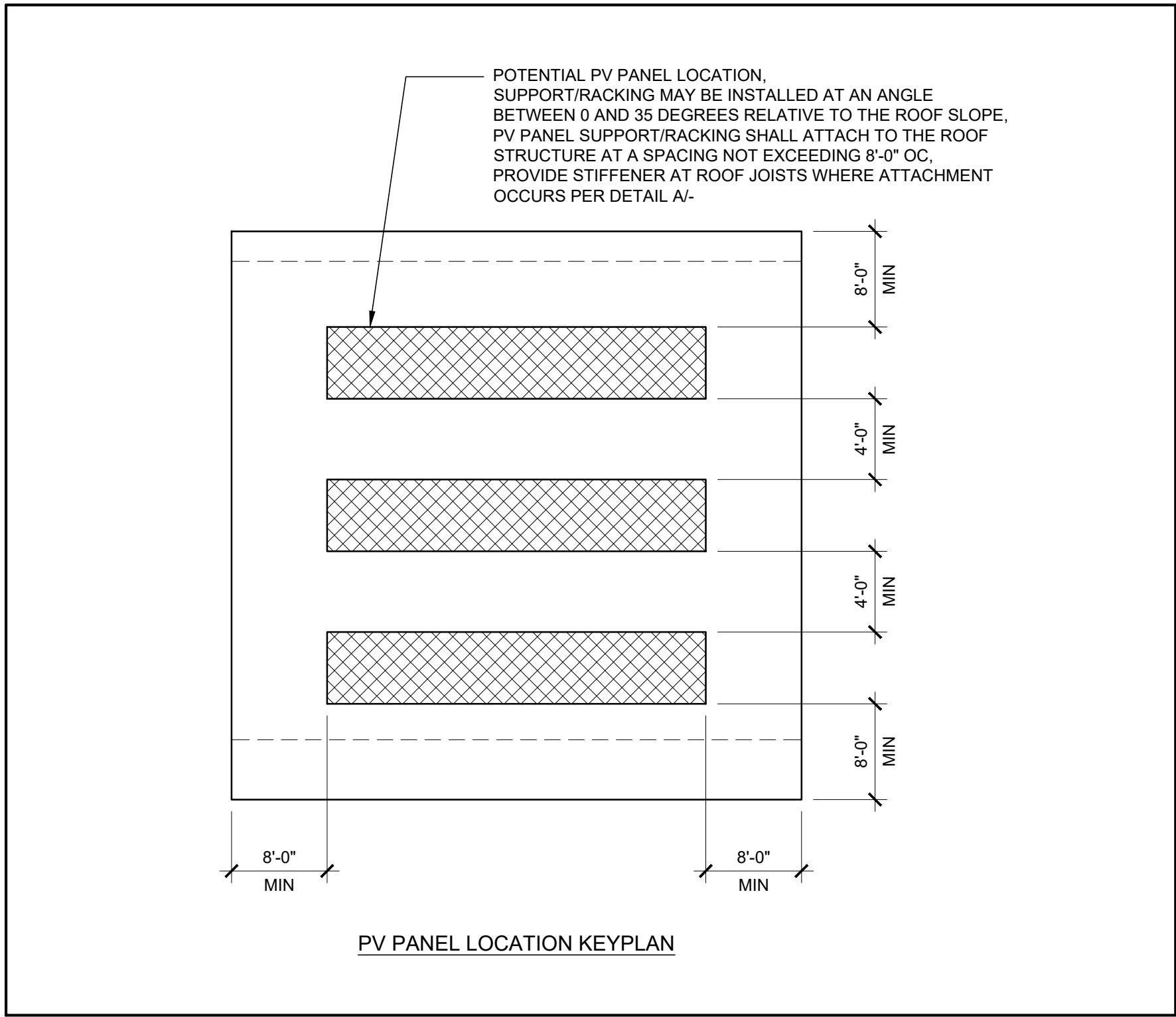
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Ryan McIntosh Silver Creek Industries, LLC Address: 2830 Barnst Rd City/State: Pomona/CA 91768	Documentation Author Signature:  Signature Date: 02-02-2023 CAIA NERC Certificate Identification (if applicable): Phone: (951) 943-5393
RESPONSIBLE PERSON'S DECLARATION STATEMENT	
I, the undersigned, under penalty of perjury, warrant that the name of California:	
1. The information provided on this Certificate of Compliance is true and correct.	
2. I am liable under Division 9 of the Building and Performance Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible design).	
3. The energy ratings and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements.	
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents: worksheets, calculations, plans and all documents submitted to the enforcement agency for approval with this building permit application.	
5. I warrant ensure that a completed copy of this Certificate of Compliance shall be made available to the building permit(s) issued, and made available to the enforcement agency for all applicable projects and I understand that a completed copy of this Certificate of Compliance is required for the building permit(s) to be issued and for the building permit to be in compliance.	
Responsible Designer Name: John Smith Silver Creek Industries, LLC Address: 2830 Barnst Rd City/State: Pomona/CA 91768	Responsible Designer Signature:  Signature Date: 02-02-2023 Phone: 9475 Phone: (951) 943-5393

Registration Number:	Generated Date/Time:	Documentation Worksheet:
CA Building Energy Efficiency Standards - 2022 nonresidential Compliance	Report Date/Version: 2022.0000 Schema Version: 02-02-2023	Compliance ID: B0455-023-002 Report Generated: 2023-02-26 08:55:48

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:	
SHEET TITLE:	
TWO MODULE TOILET BUILDING COMPLIANCE FORMS	
REVISIONS	
<div>△</div> <div>△</div> <div>△</div> <div>△</div> <div>△</div>	
PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	
<div><div>IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP. 04-121999 INC: REVIEWED FOR SS <input checked="" type="checkbox"/> FLS <input checked="" type="checkbox"/> ACS <input type="checkbox"/> DATE: 08/31/2023</div></div>	
PC STATE AGENCY APPROVAL	
<div> Silver Creek 2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211</div>	
MODULAR BUILDING DESIGN PROFESSIONAL	
<div><div>REGISTERED PROFESSIONAL ENGINEER JOHN W STARR 2015 STRUCTURAL STATE OF CALIFORNIA</div></div>	
SILVER CREEK INDUSTRIES 24' x 40' PC	
PROJECT NO:	
DRAWN BY:	
SCALE: AS NOTED	
DATE: 02-27-2023	
P.C. SHEET NUMBER	
A-0.6E	

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

REQUIRED PV SYSTEM SIZE (kW)

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

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(c).
- 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(a).
- ALL ROOMS AND AREAS 100 SF OR GREATER AND WITH MORE THAN 0.5 WATT PER SF OF LIGHTING LOAD WITH 2 OR MORE LUMINAIRES SHALL BE CONTROLLED WITH MULTI-LEVEL SWITCHING FOR UNIFORM REDUCTION OF LIGHTING WITHIN THE ROOM. CONTROL STEPS SHALL MEET REQUIREMENTS IN TABLE 130.1-A.
- PROVIDE VACANCY SENSOR OR PARTIAL-ON OCCUPANCY SENSOR IN ALL ROOMS.
- ALL GENERAL LIGHTING IN PRIMARY SIDELIT DAYLIT ZONES AND SKYLIT DAYLIT ZONES IN ENCLOSED SPACES WITH 120 WATTS, OR MORE IN COMBINED PRIMARY/SKYLIT ZONES AND 24 SF, OR MORE OF FENESTRATION, SHALL BE CONTROLLED WITH AUTOMATIC DAYLIGHTING CONTROLS PER SECTION 130.1(d).

OUTDOOR LIGHTING MANDATORY MEASURES:

- ALL LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS, AND LUMINAIRES SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.9.
- ALL LUMINAIRES SHALL BE FACTORY-LABELED PER SECTION 130.0(c).
- 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.
- ALL JOINTS, PENETRATIONS AND OTHER OPENINGS IN THE BUILDING ENVELOPE SHALL BE SEALED TO LIMIT INFILTRATION AND EXFILTRATION PER SECTION 110.7.
- ALL INSULATION, ROOFING PRODUCTS AND RADIANT BARRIERS SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.2.
- 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 ZONE TO AN INDICATED LOCATION SUITABLE FOR THE FUTURE INSTALLATION OF INVERTERS AND METERING EQUIPMENT PER SECTION 110.10(c).
- ELECTRICAL SERVICE METERING SHALL UTILIZE A PERMANENTLY INSTALLED METERING SYSTEM PER SECTION 130.5(a).
- SEPARATION OF ELECTRICAL CIRCUITS SHALL NOT BE REQUIRED WHERE ELECTRICAL SERVICE OR FEEDER IS RATED AT 50 KVA OR LESS PER SECTION 130.5(b).
- THE VOLTAGE DROP TO THE FARTHEST CONNECTED LOAD OR OUTLET SHALL NOT EXCEED 5% PER SECTION 130.5(c).

THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

A LISTING OF CERTIFIED ATT CAN BE FOUND AT [HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE](https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance)

THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.

PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

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

PV SYSTEM SIZING AND INSTALLATION REQUIREMENTS

3

CALIFORNIA ENERGY CODE - MANDATORY MEASURES

1

CONSTRUCTION WASTE MANAGEMENT PLAN

- 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
 - PRECONSTRUCTION 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 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:
 - REQUIRING 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 VENTILATION 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 5.504.1. 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 93120-93120.12, 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 EXPOSURES 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. CARPET SHALL BE LISTED IN THE CDPH HIGH PERFORMANCE PRODUCT DATABASE. ALL CARPET PAD SHALL BE PER THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM.
- PRIMARY EXTERIOR DOORS
- ALL WALL AND FLOOR SURFACES WITHIN 24" OF A PRIMARY EXTERIOR DOOR SHALL BE NON-ABSORBANT. SEE DETAIL A/- 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.

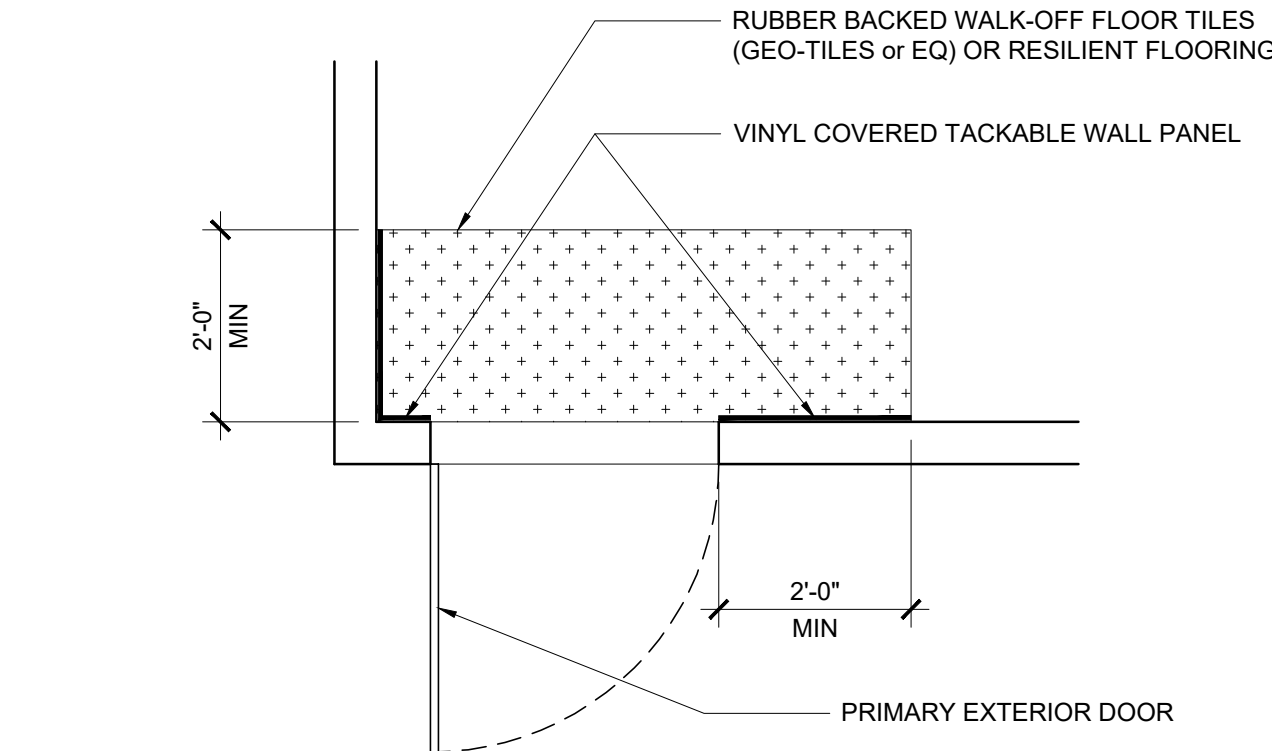
ACOUSTICAL CONTROL

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 RATING 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 #MGC 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/1-7/8" BD COATED NAILS AT 8" OC. FACE LAYER OF GYP BD SHALL BE FASTENED TO THE STUDS W/2-3/8" BD COATED NAILS AT 8" OC. VERTICAL JOINTS SHALL OCCUR OVER A STUD. STAGGER JOINTS EACH LAYER AND EACH SIDE. (DESIGN #MGC 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.



PRIMARY EXTERIOR WALL FINISH DIAGRAM

A

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:

SHEET TITLE:

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

REVISIONS

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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. 04/21/1999 INC.
REVIEWED FOR
SS ☐ FLS ☐ ACS ☐
DATE: 08/31/2023

PC STATE AGENCY APPROVAL



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES

24' x 40' PC

PROJECT NO:

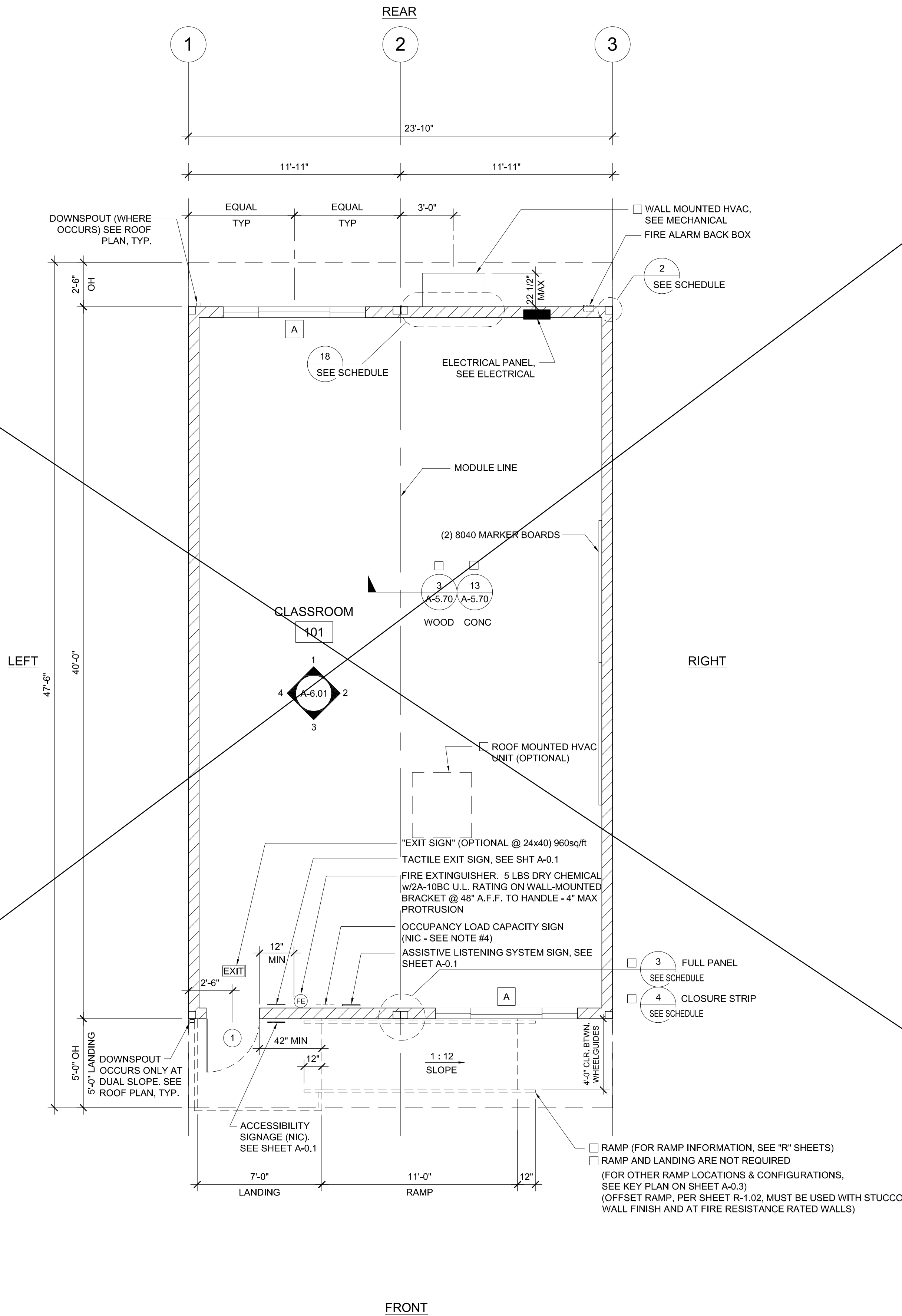
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-0.7



NOTES

- PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. PER IR 16-1 (4.1) (1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE 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 Kzt = 1.0 2022 CBC, DESIGN CLIMATE ZONE, SEISMIC PARAMETER = S_s
- VINYL TACKBOARD INTERIOR FINISH SHALL COMPLY WITH CBC SECTION 803.7
- LOCATIONS OF DOORS AND WINDOWS MAY VARY PER JOB. (IF THE NUMBER OF WINDOWS INCREASE, A NEW TITLE 24 SHALL BE SUBMITTED TO DSA)
- 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)
- 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:

- BE LOCATED IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES;
- 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
- 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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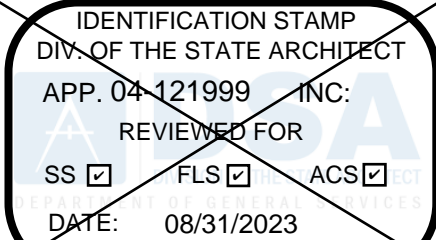
PROJECT NAME:

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



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

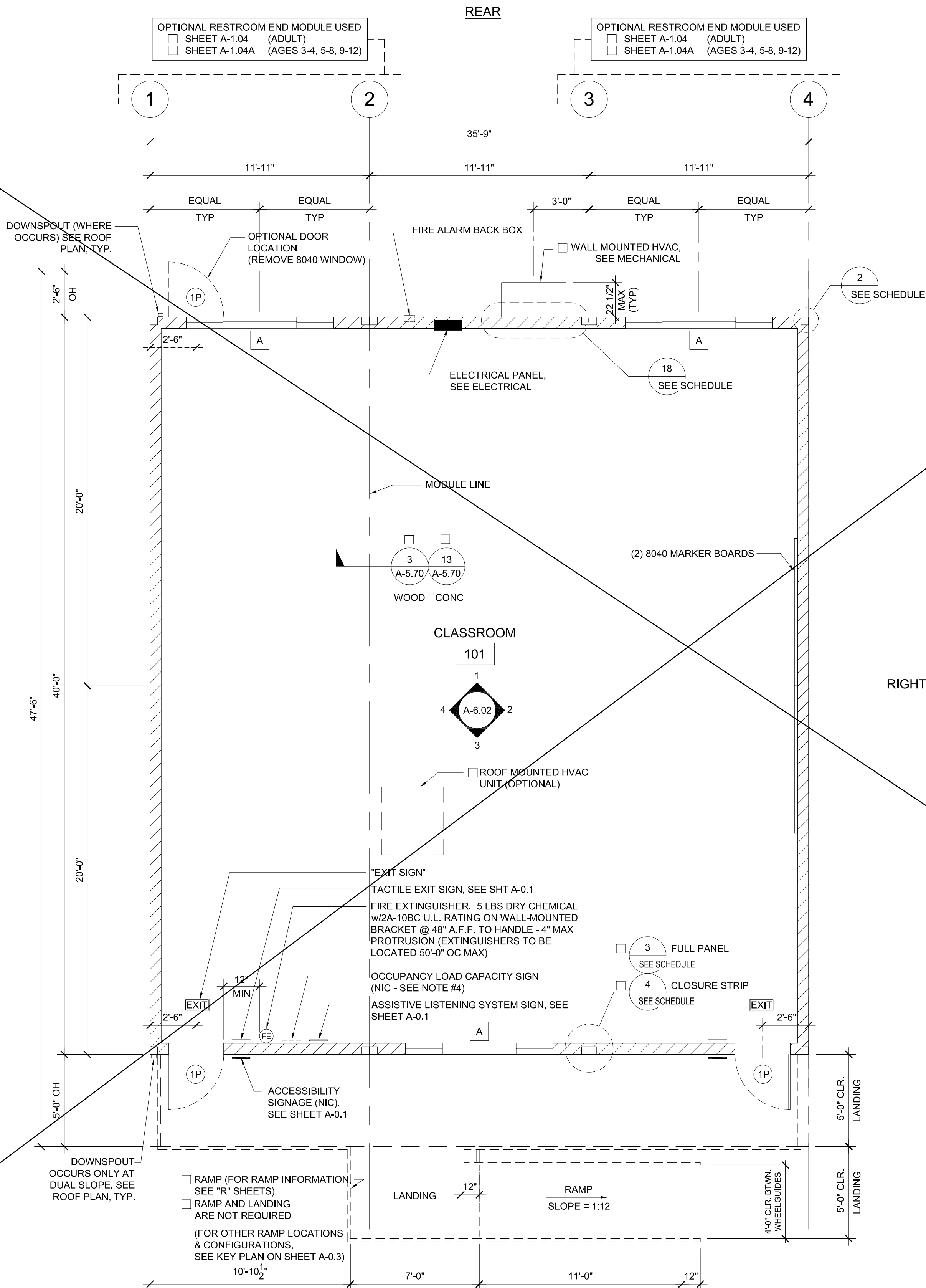
P.C. SHEET NUMBER

A-1.01

FLOOR PLAN

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

1



NOTES

- PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. PER IR 16-1 (4.1)
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DETAIL SCHEDULE

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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	

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SYMBOLS LEGEND

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PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

FLOOR PLAN 36' x 40'

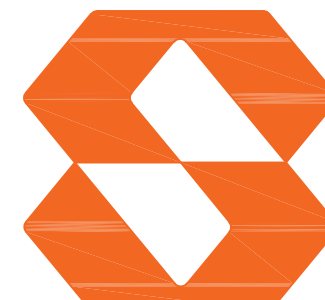
REVISIONS

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PRE-CHECK (PC) DOCUMENT
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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

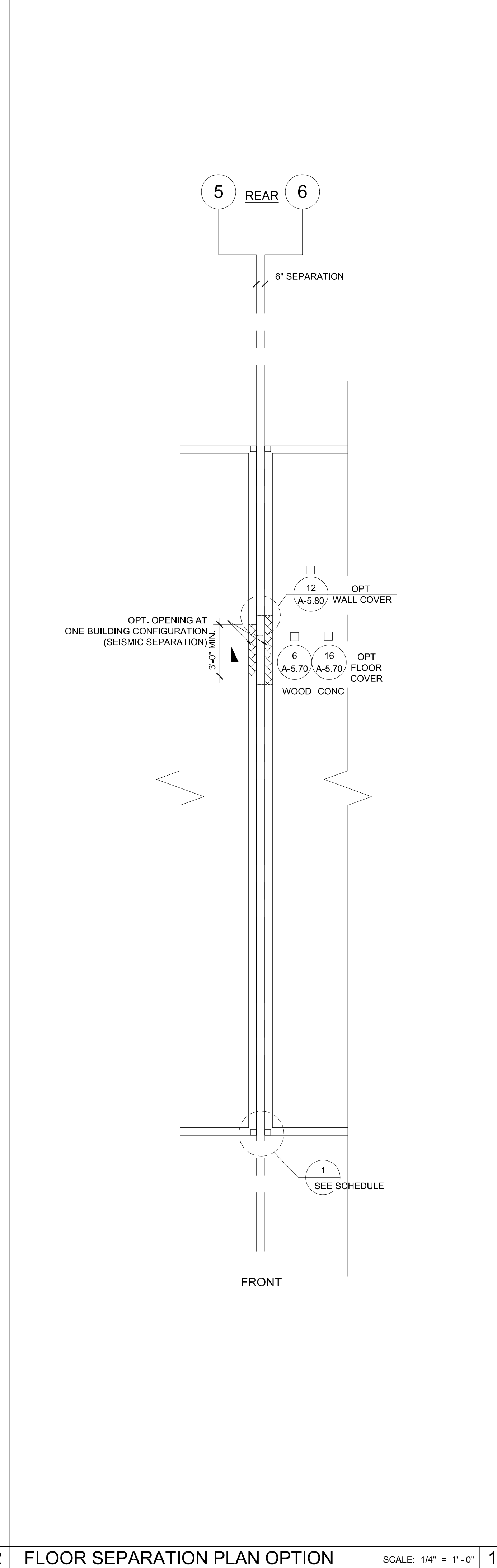
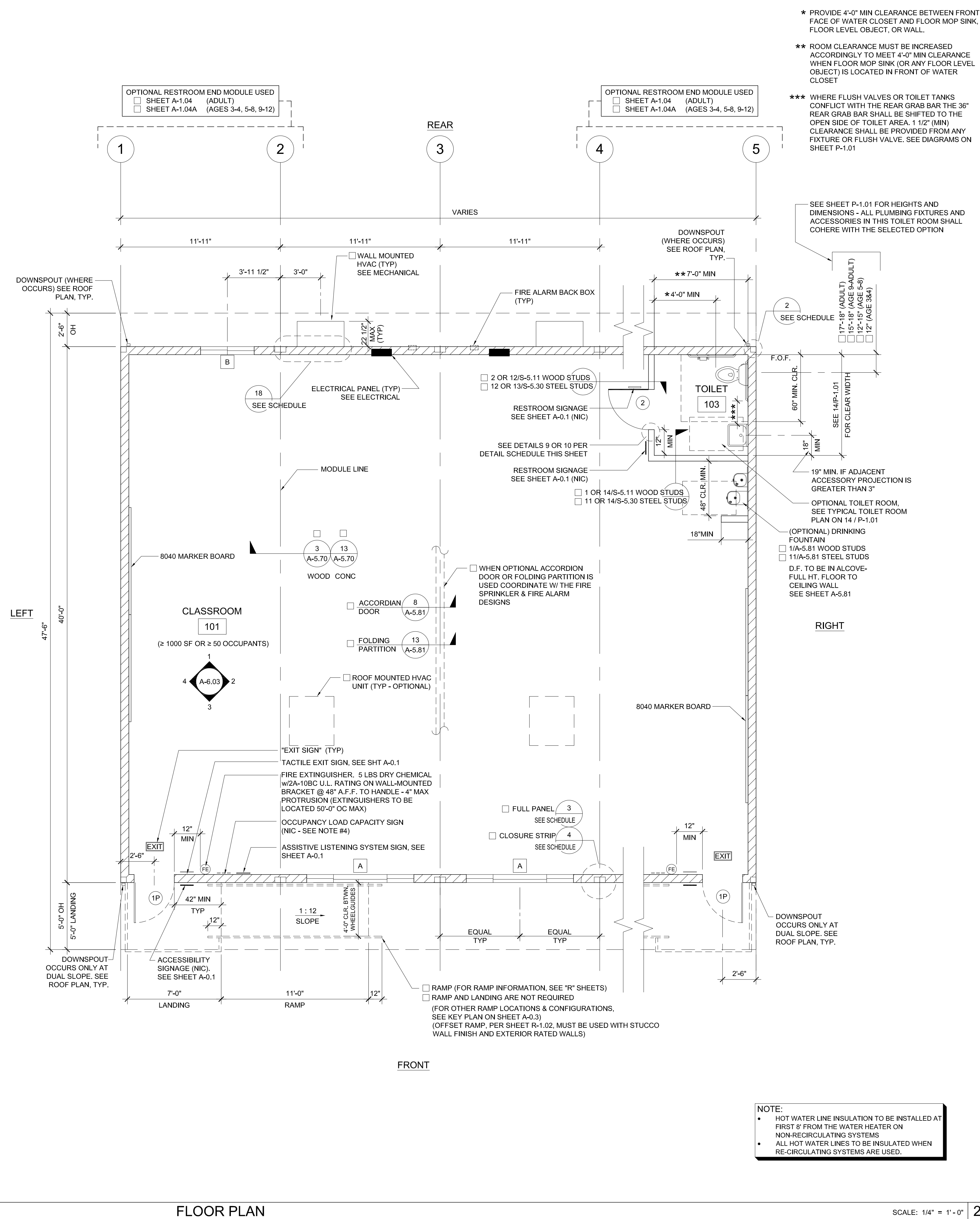
P.C. SHEET NUMBER

A-1.02

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 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 Kzt = 1.0 2022 CBC, DESIGN CLIMATE ZONE, SEISMIC PARAMETER = S_s
- VINYL TACKBOARD INTERIOR FINISH SHALL COMPLY WITH CBC SECTION 803.7
- LOCATIONS OF DOORS AND WINDOWS MAY VARY PER JOB. (IF THE NUMBER OF WINDOWS INCREASE, A NEW TITLE 24 SHALL BE SUBMITTED TO DSA)
- 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)
- 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 10' 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 FLOOR FLOORING AND BASE SHALL BE INSTALLED PER 10A-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"/>

A

#

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.

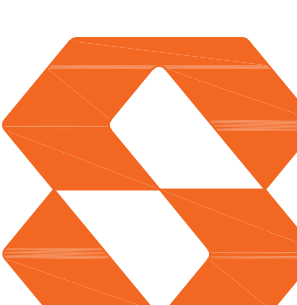

SYMBOLS LEGEND

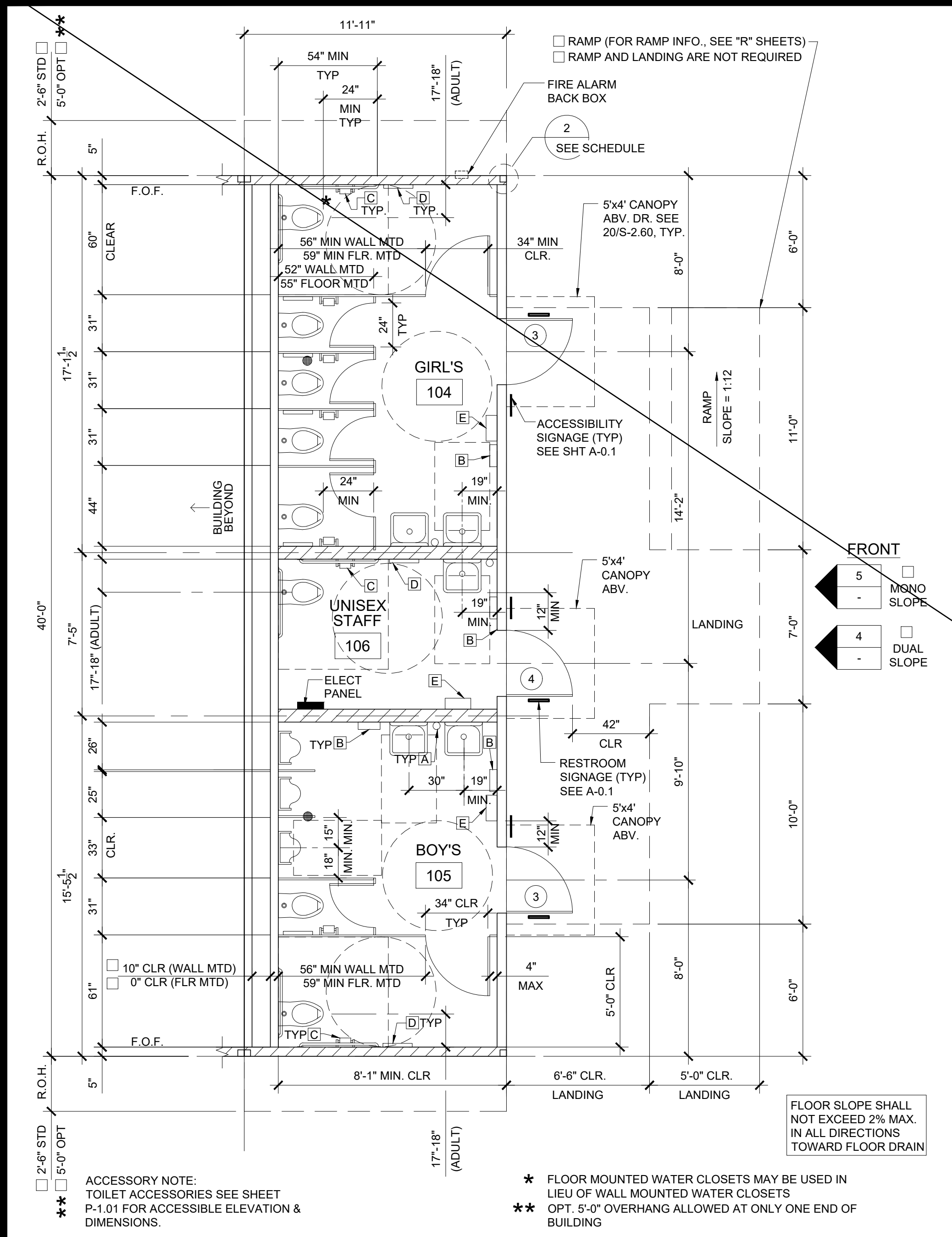
	60" CIRCLE CLEAR SPACE
	30"x48" CLEAR SPACE

MARKING & IDENTIFICATION OF FIRE RATED CONSTRUCTION. (CBC 703.5)

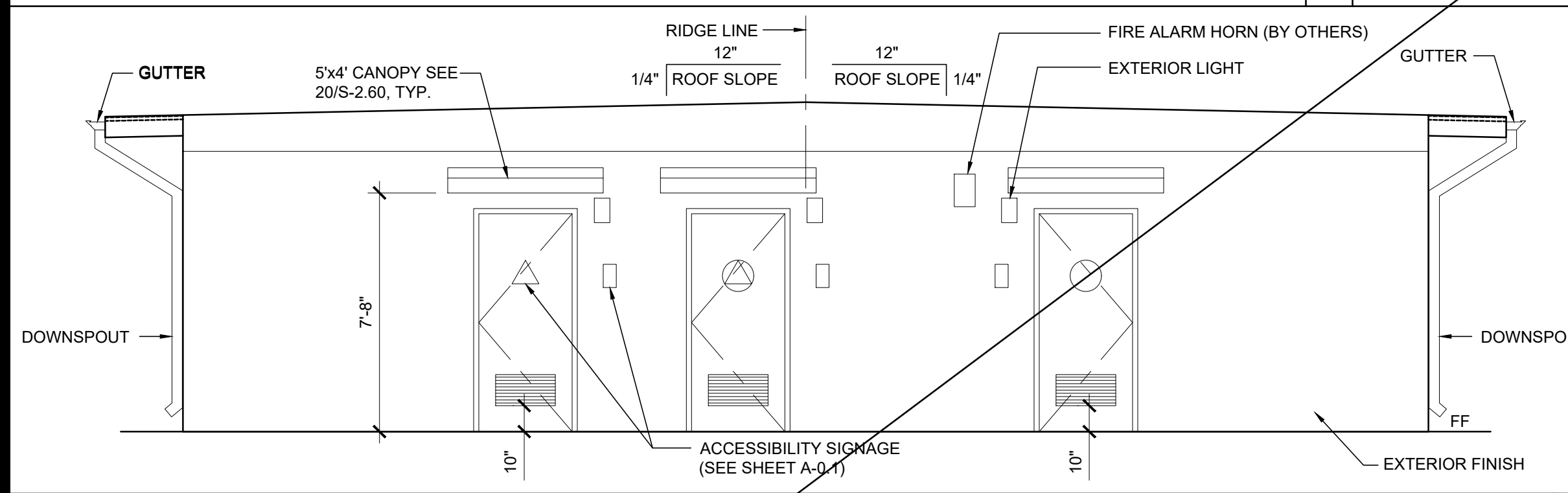
FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING. SUCH IDENTIFICATION SHALL:

- BE LOCATED IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES;
- 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
- 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" AND OTHER SIMILAR WORDING.

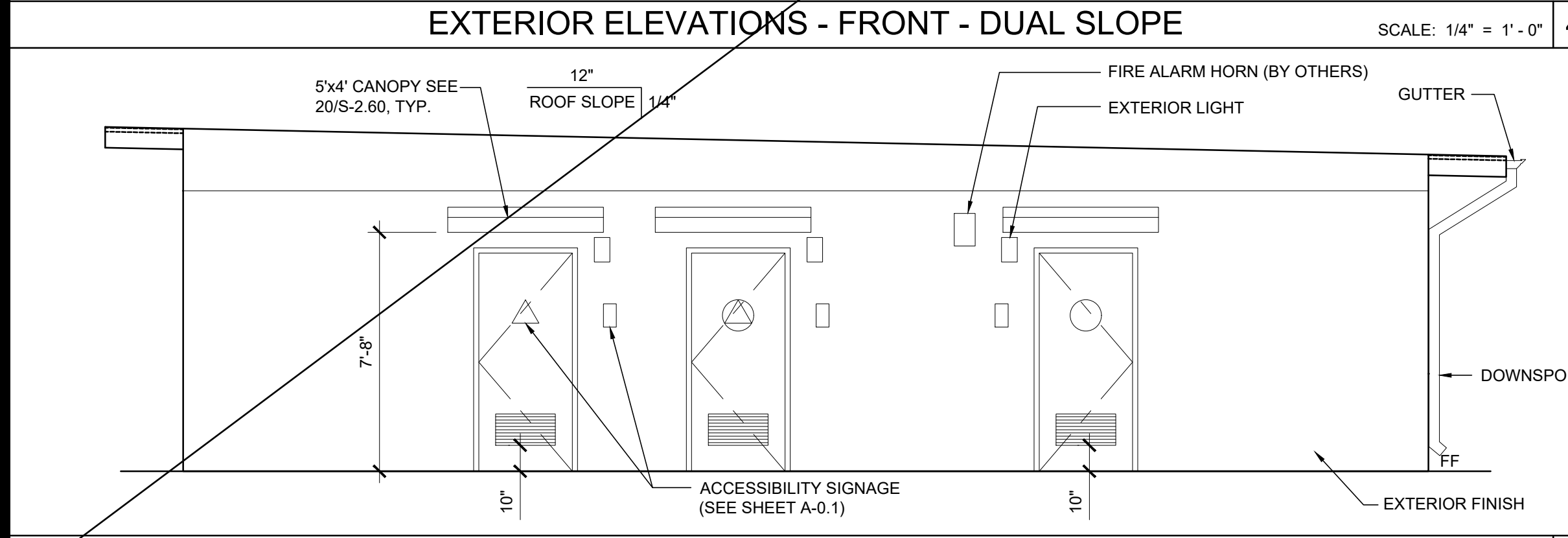
PROJECT SPECIFIC STATE AGENCY APPROVAL	
THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC. (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR 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:	
SHEET TITLE:	
FLOOR PLAN 48' TO 120' x 40'	
REVISIONS	
<div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div>	
PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	
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PC STATE AGENCY APPROVAL	
<div> Silver Creek 2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211</div>	
MODULAR BUILDING DESIGN PROFESSIONAL	
<div></div>	
SILVER CREEK INDUSTRIES 24' x 40' PC	
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE: 02-27-2023	
P.C. SHEET NUMBER	
A-1.03	



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



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



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

- ### NOTES
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 - NOT USED
 - ALL FIXTURE HEIGHTS TO BE VERIFIED PRIOR TO CONSTRUCTION.
 - ACCESSORIES SHALL NOT ENCRoACH REQUIRED CLEAR SPACE. LOCATION OF LAVATORY TO BE 18" MIN. FROM FACE OF FINISH OF WALL WHEN ACCESSORIES (PAPER TOWEL DISPENSERS, ELECTRIC HAND DRYERS, ETC.) HAVING A 4" PROJECTION ARE TO BE INSTALLED, SO AS NOT TO ENCRoACH INTO THE 30" x 48" CLEAR SPACE.
 - TOILET ROOM FLOORING AND BASE SHALL BE INSTALLED PER 10/A-5.70 IN LIEU OF PROVIDING A CURB (IR 23-2)

DETAIL SCHEDULE

FINISH:	SHEET #:
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	NOMINAL 6" WALL STUD	<input type="checkbox"/>
	NOMINAL 8" WALL STUD	<input type="checkbox"/>

SYMBOLS LEGEND

	60" CIRCLE CLEAR SPACE
	30" x 48" CLEAR SPACE

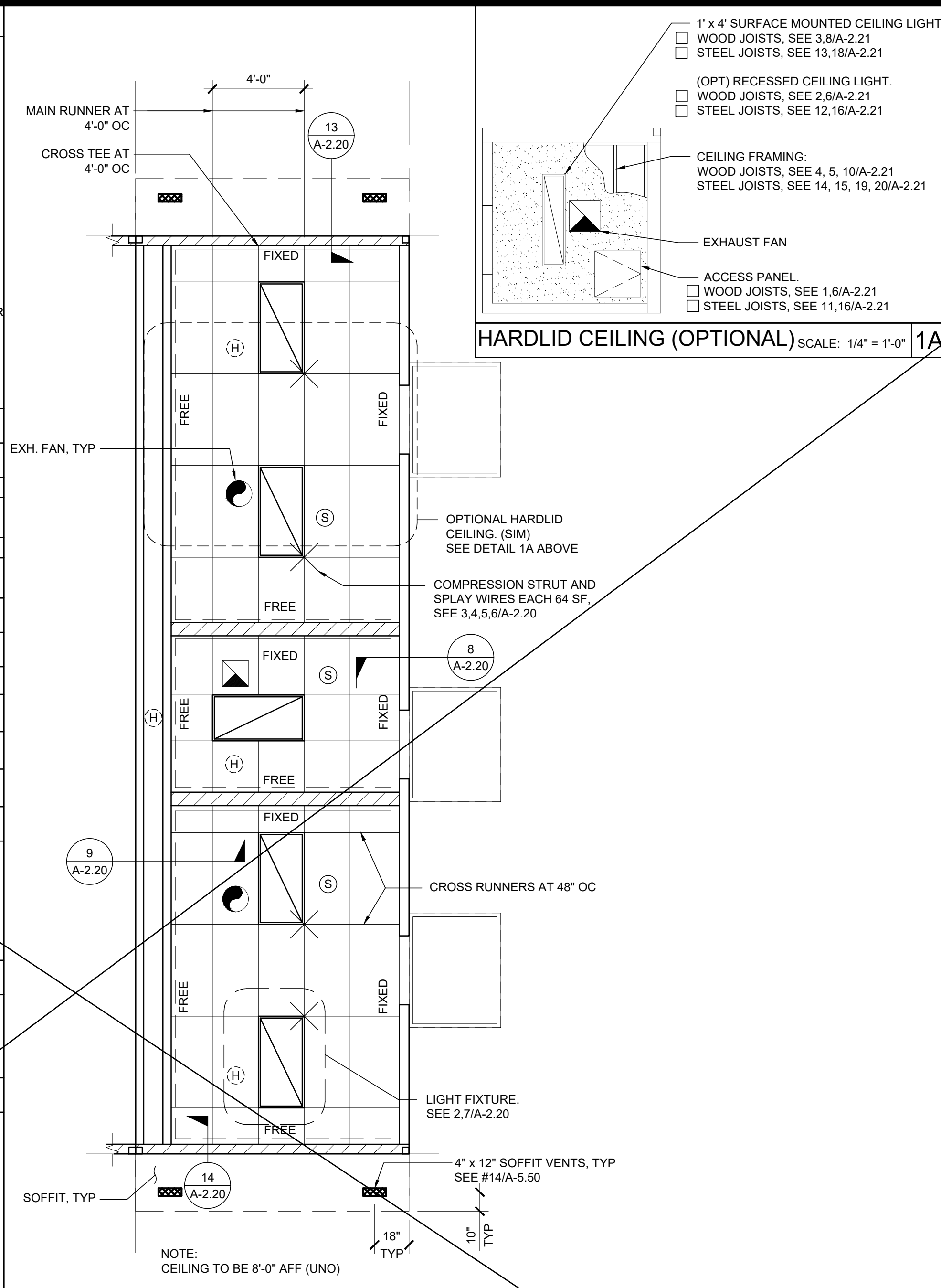
TOILET ACCESSORIES

<input type="checkbox"/> A	SOAP DISPENSER: LIQUID SOAP DISPENSER 4" MAX PROJECTION
<input type="checkbox"/> B	PAPER TOWEL DISPENSER: SURFACE MOUNTED 4" MAX. PROJECTION-CANNOT ENCRoACH INTO 30"x48" CLEAR SPACE OF FIXTURE
<input type="checkbox"/> C	TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED OR 3" MAX PROJECTION
<input type="checkbox"/> D	TOILET SEAT COVER DISPENSER: SURFACE MOUNTED
<input type="checkbox"/> E	WALL MOUNTED WASTE RECEPTACLE, 6" MAX PROJECTION, 12" MAX ABV. FIN FLR TO BTM.

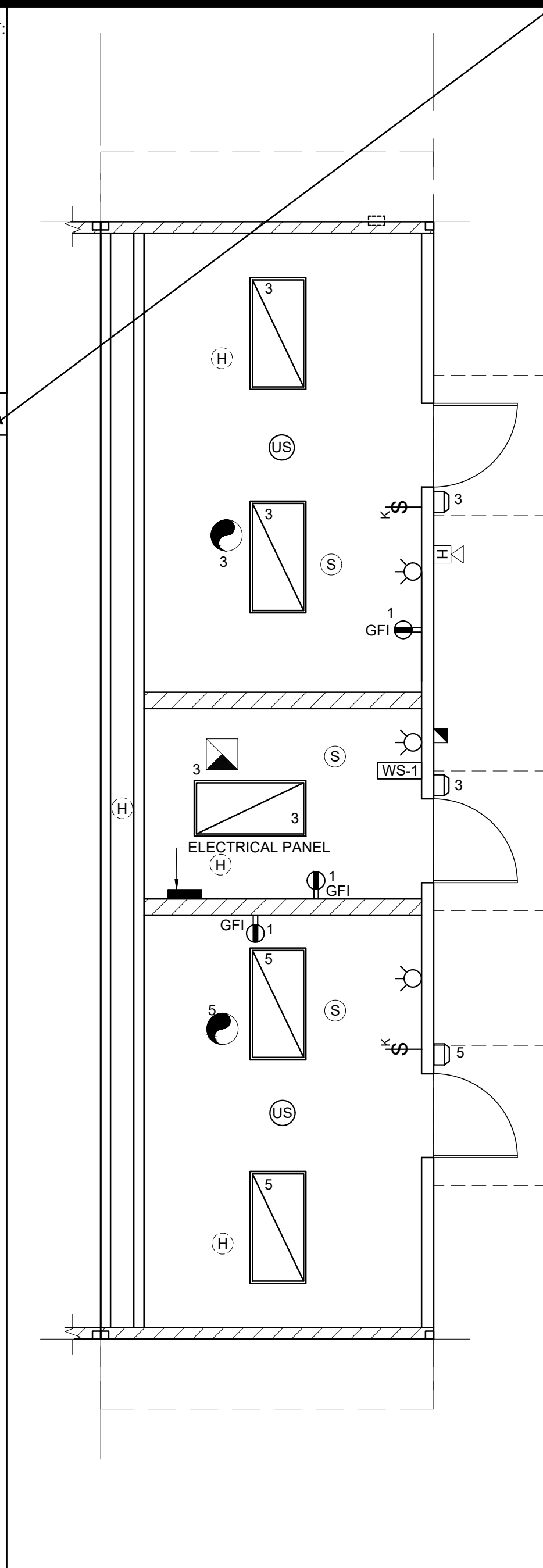
R.C.P. LEGEND

	T-BAR CEILING
	FIELD INSTALLED PANEL AT MODULE LINE
	2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE WITH DIMMING, 51 WATTS (MAX), 5000L (MIN)
	OPTIONAL 1' x 4' RECESSED LIGHT FIXTURE 51 WATTS (MAX), 5000L (MIN)
	SPLAY WIRE
	CEILING MOUNTED SMOKE DETECTOR
	ATTIC MOUNTED HEAT DETECTOR
	CEILING EXHAUST FAN
	EXTERIOR LIGHT
	CEILING MOUNTED OCCUPANCY SENSOR

NOTE: SEE 'E' SHEETS FOR ADDITIONAL DESCRIPTION OF ITEMS SHOWN IN THE R.C.P. LEGEND



REFLECTED CEILING PLAN SCALE: 1/4" = 1' - 0" 2



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

ELECTRICAL PANEL

VOLTS: 120/208 V		PANEL: "B"		FEED: BOTTOM	
MAIN: 100A		LOCATION: INTERIOR ACCESS		MOUNTING: FLUSH	
LOAD	QTY	WATTS	BREAKER	Amps	WATTS
		AØ	BØ	Amps	P
RECEPTACLES / GFI	3	540	20	1	1
INTERIOR/EXTERIOR LIGHTING/EXHAUST FAN	7	560	20	1	3
INTERIOR/EXTERIOR LIGHTING/EXHAUST FAN	4	365	20	1	5
DED. - SOLAR READY				9	
DED. - SOLAR READY				11	
A = 905	WATTS / PHASE	905	560	120/208	VOLTS
TOTAL = 1805	WATTS	7.2	AMPS	1 Ø	3 WIRE

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PROJECT NAME:

SHEET TITLE: **OPTIONAL RESTROOM END MODULE**
ADULT HEIGHT PLAN & ELEV'S

REVISIONS

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-12-1999 INC.
REVIEWED FOR
SS ☐ FLS ☐ ACS ☐
DATE: 08/31/2023

PC STATE AGENCY APPROVAL

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

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

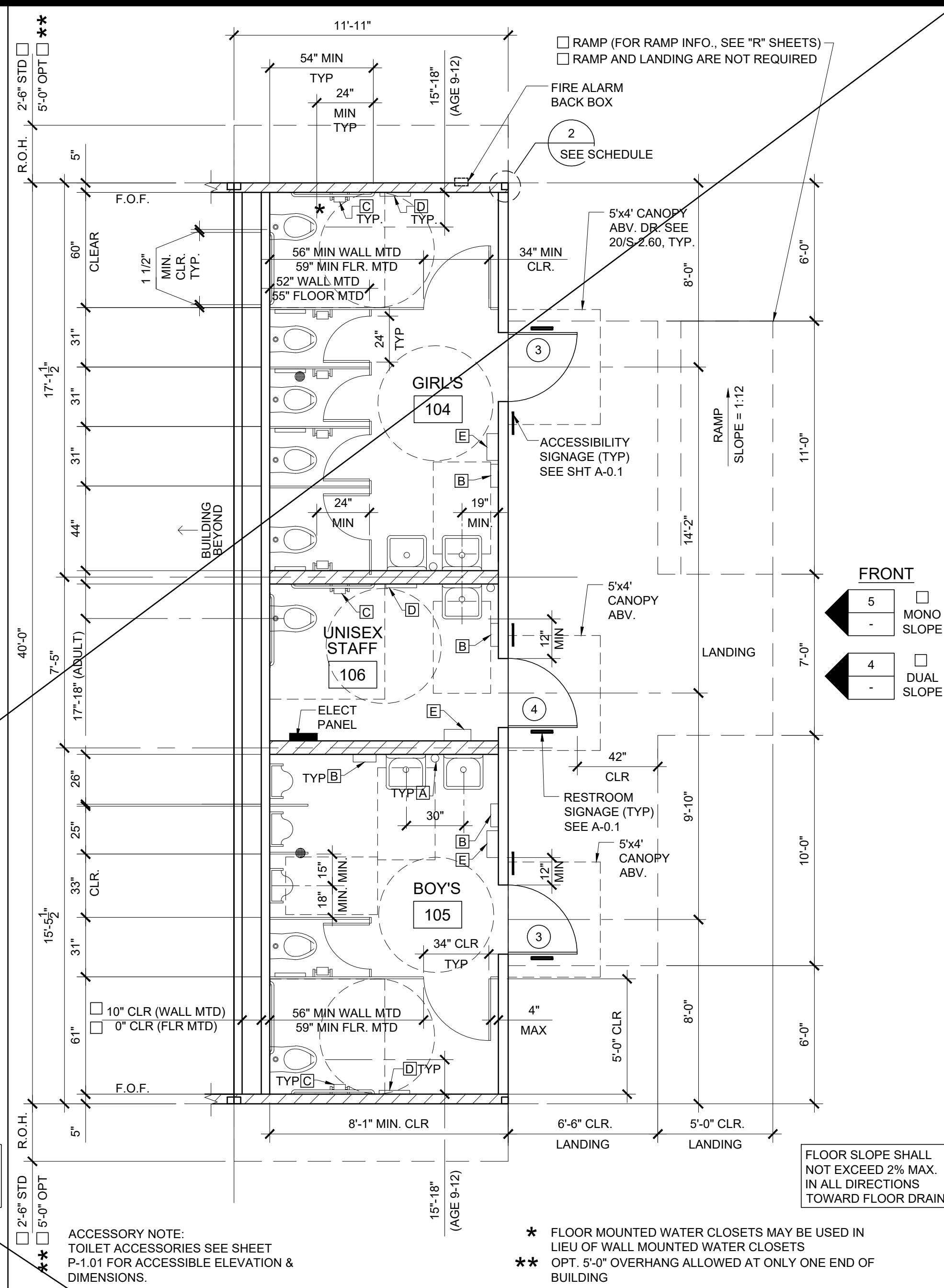
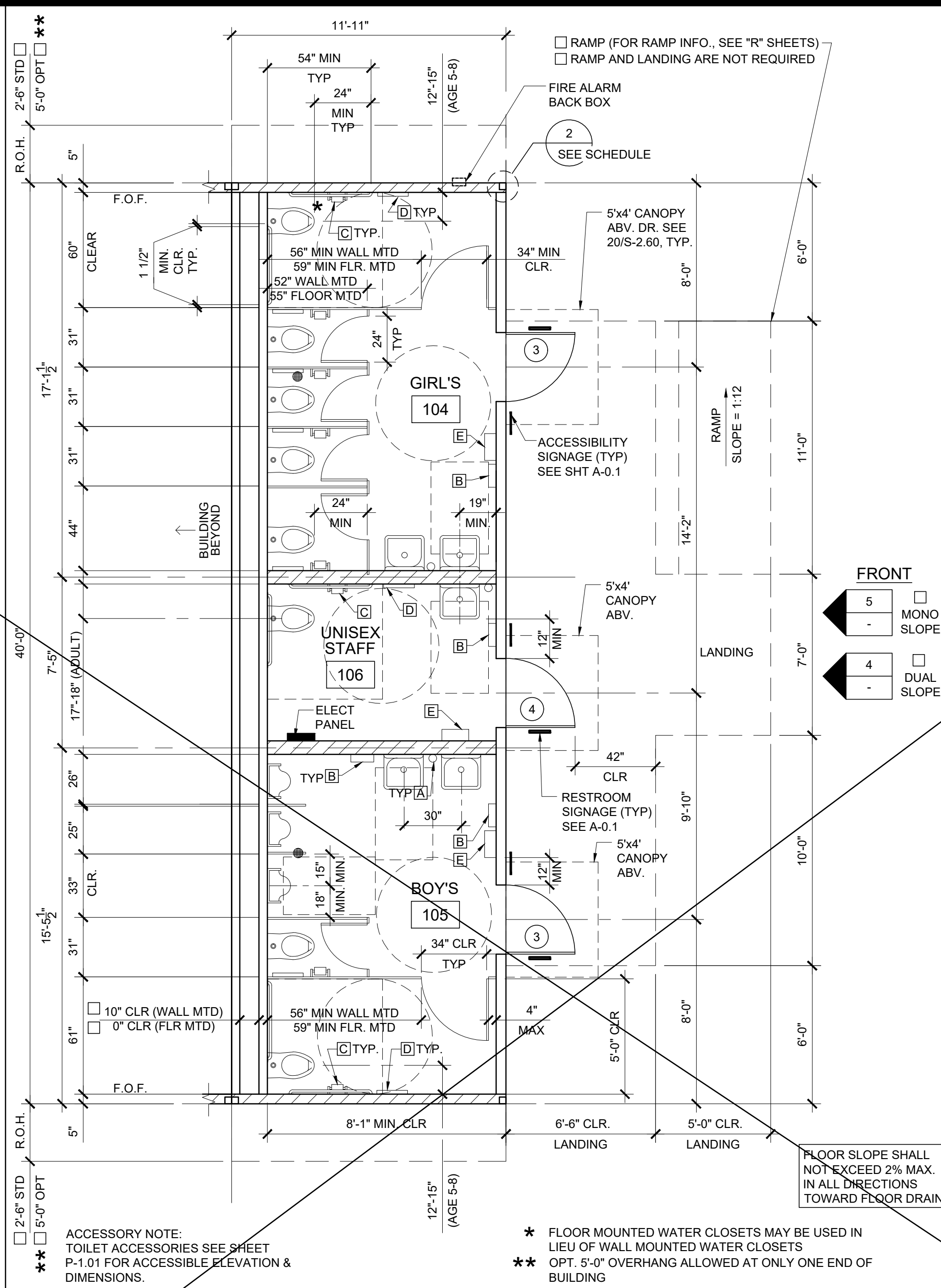
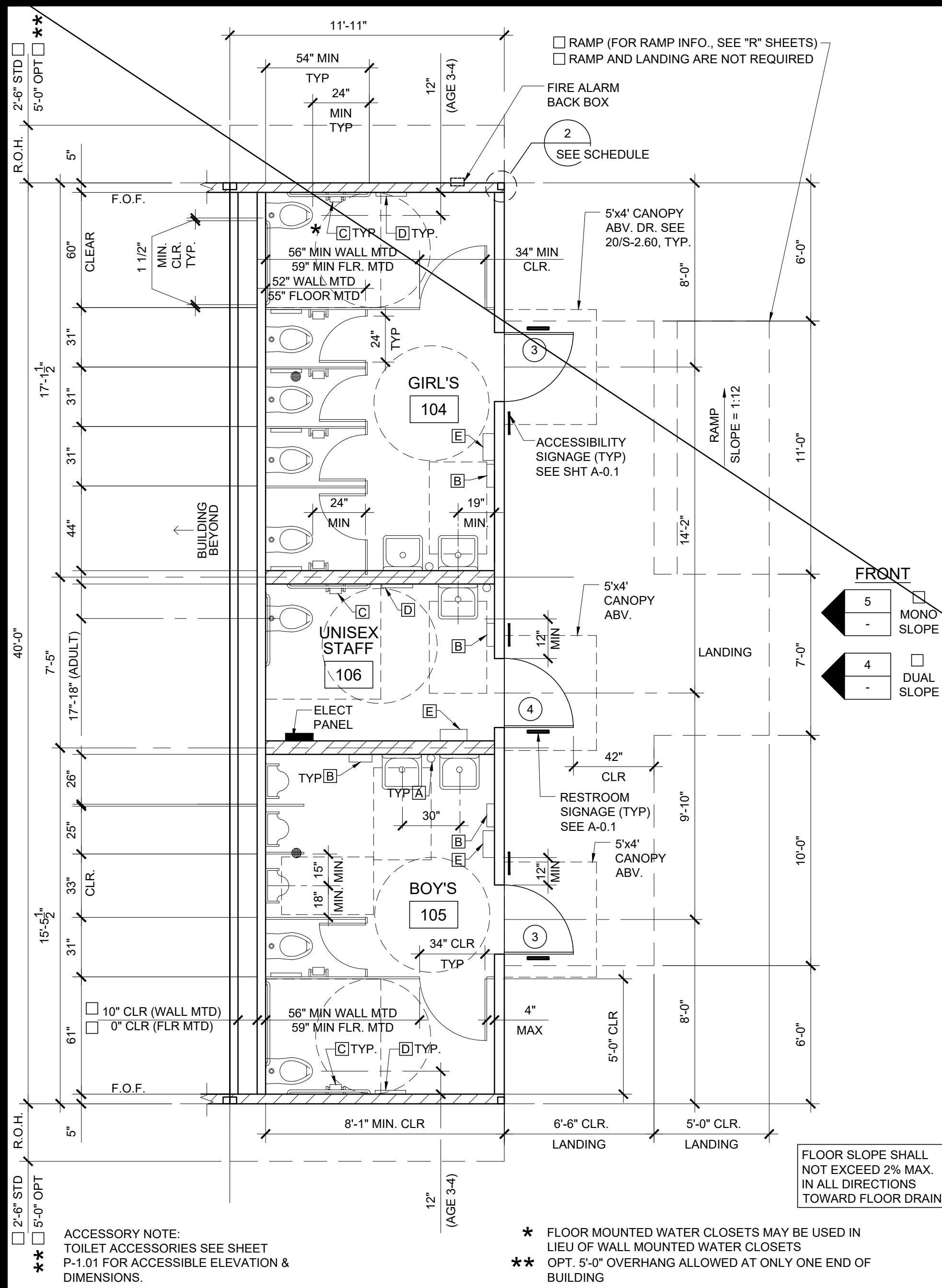
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SCALE: AS NOTED

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P.C. SHEET NUMBER

A-1.04



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PROJECT NAME:

SHEET TITLE:
**OPTIONAL
RESTROOM
END MODULE
ALTERNATE HEIGHT PLANS**

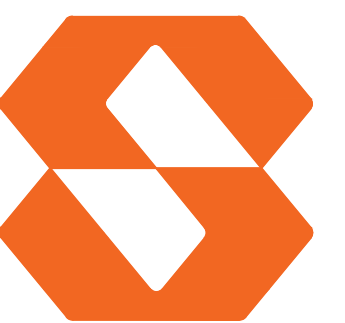
REVISIONS

1	
2	
3	
4	
5	


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MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

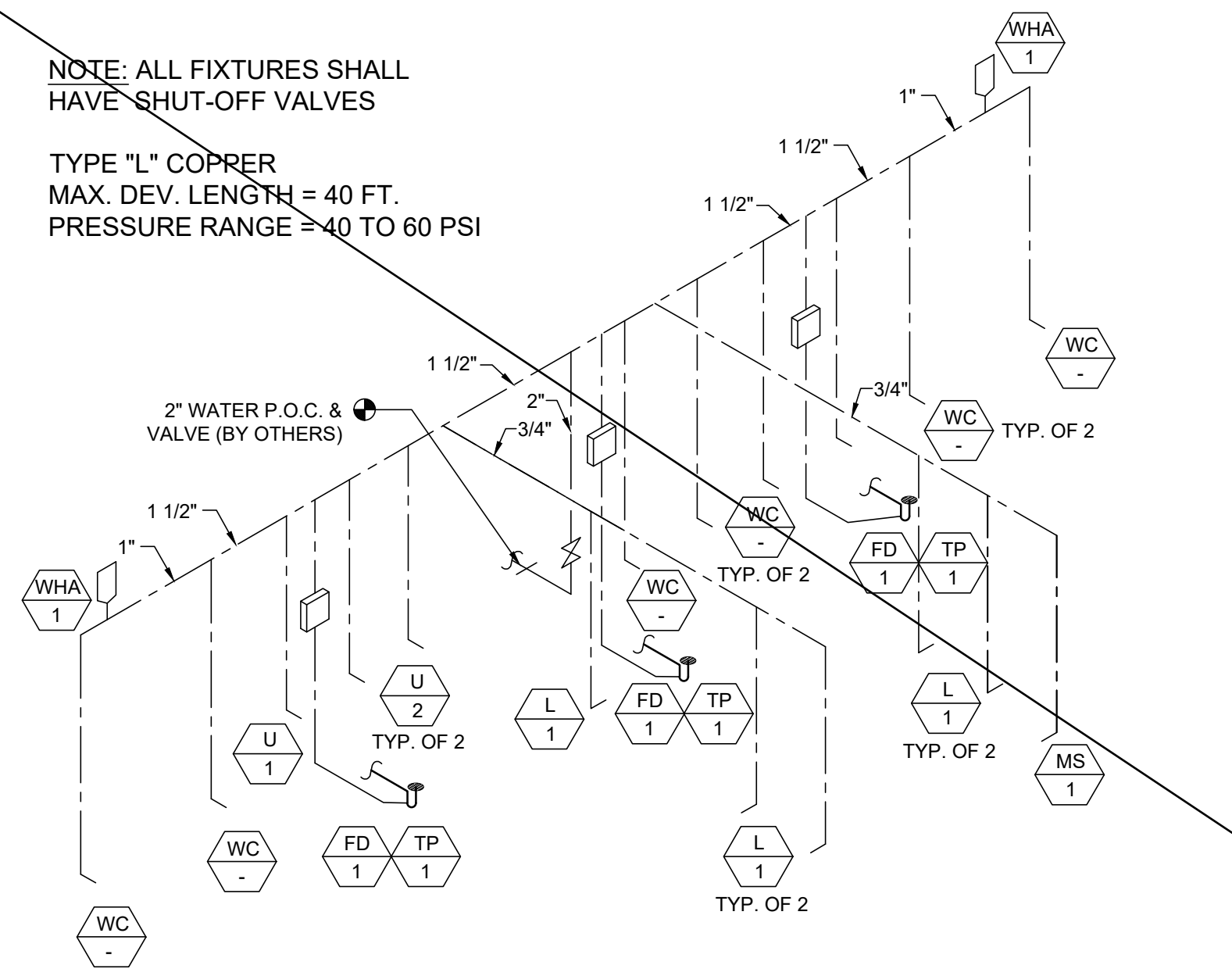
DATE: 02-27-2023

P.C. SHEET NUMBER

A-1.04A

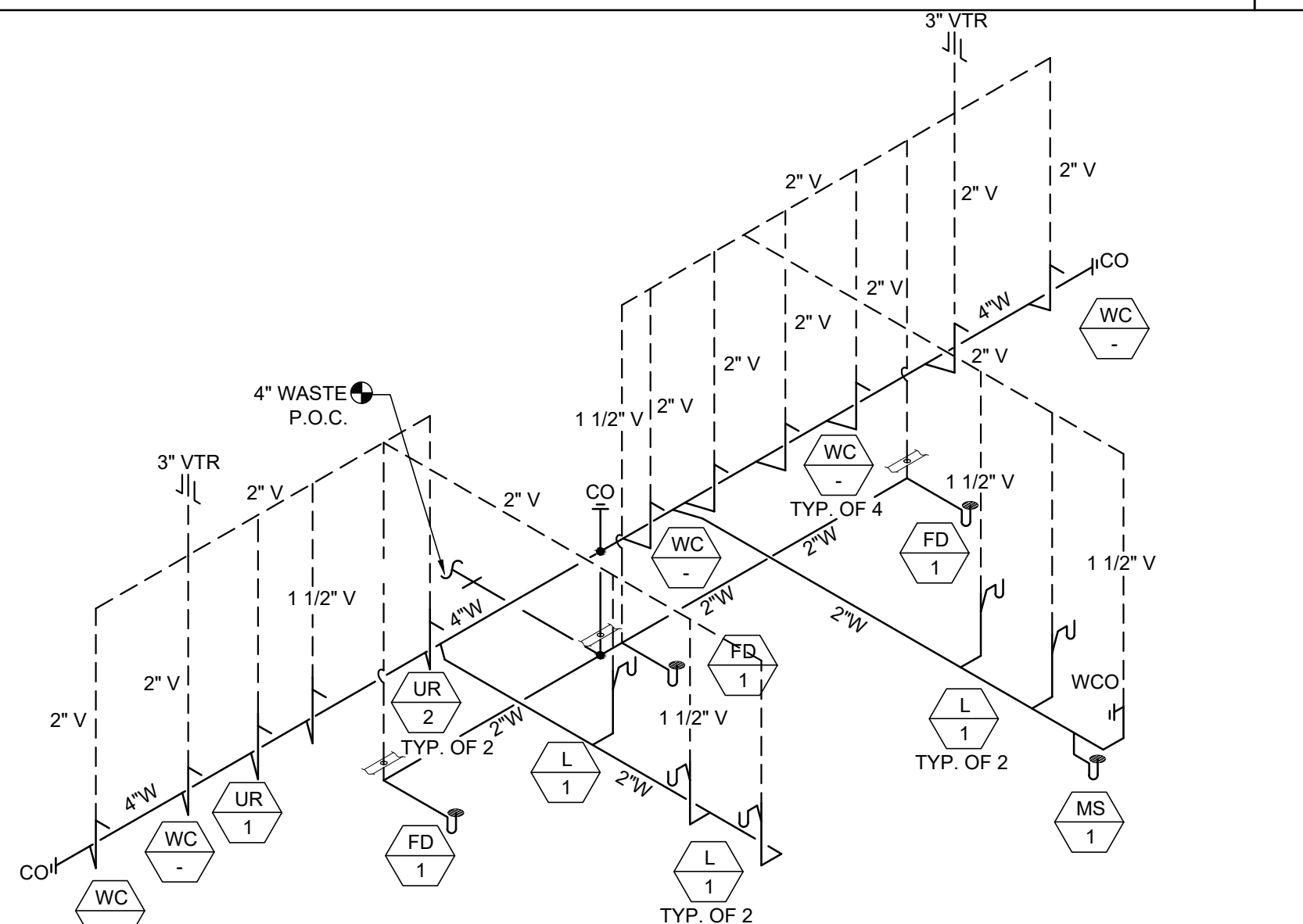
NOTE: ALL FIXTURES SHALL HAVE SHUT-OFF VALVES

TYPE "L" COPPER
MAX. DEV. LENGTH = 40 FT.
PRESSURE RANGE = 40 TO 60 PSI



SUPPLY ISOMETRIC - FLOOR AND WALL MOUNT

SCALE: N.T.S. 9

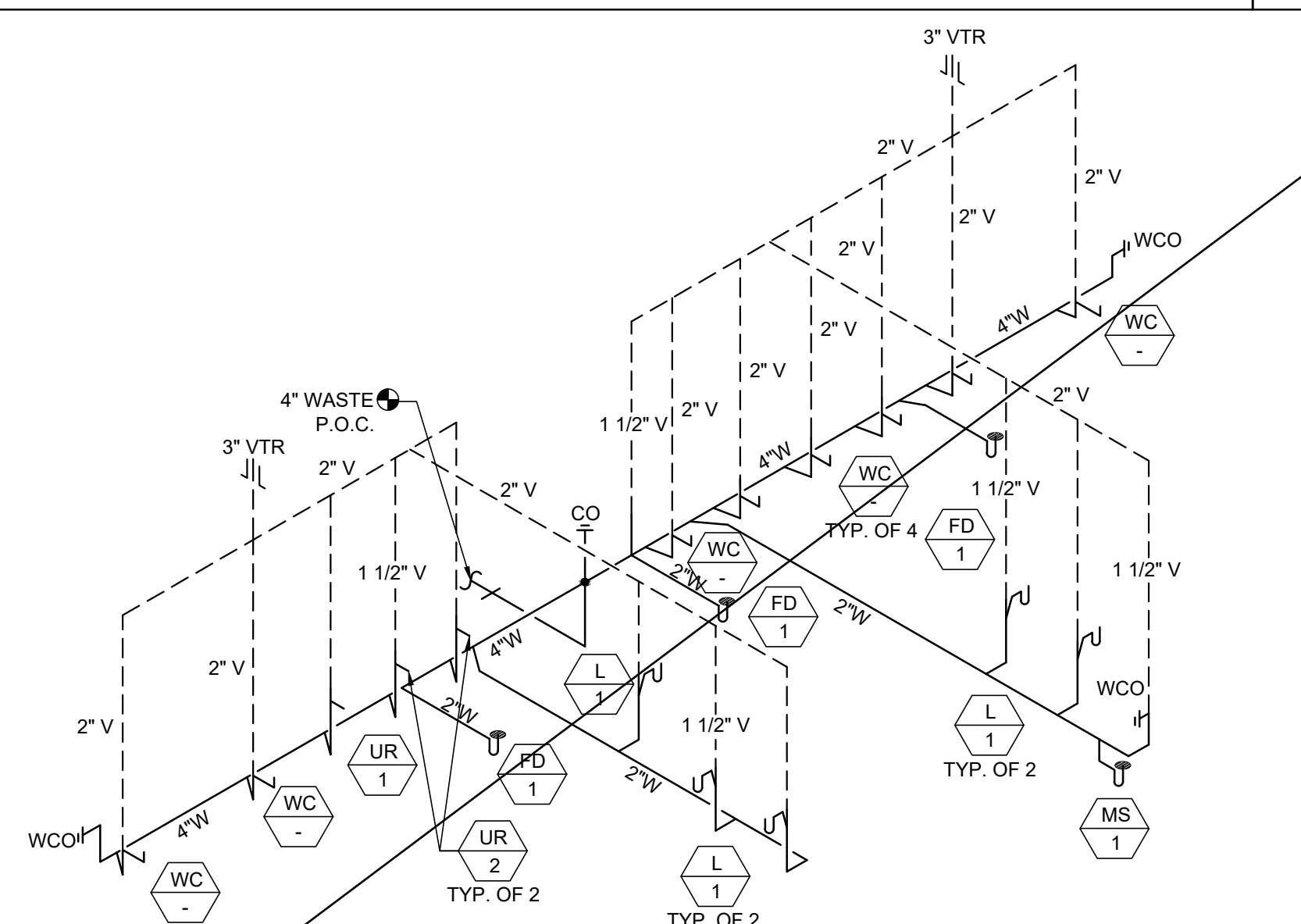


MATERIALS:
- ABS SCHEDULE 40 IS STANDARD
- CAST IRON W/ NO HUB CONNECTOR
IS OPTION FOR BLDG. OVER 2160 SF.
- BASED ON 1/4" PER FOOT SLOPE

VENT LINE
WASTE LINE

WASTE AND VENTING ISOMETRIC - WALL MOUNT

SCALE: N.T.S. 10

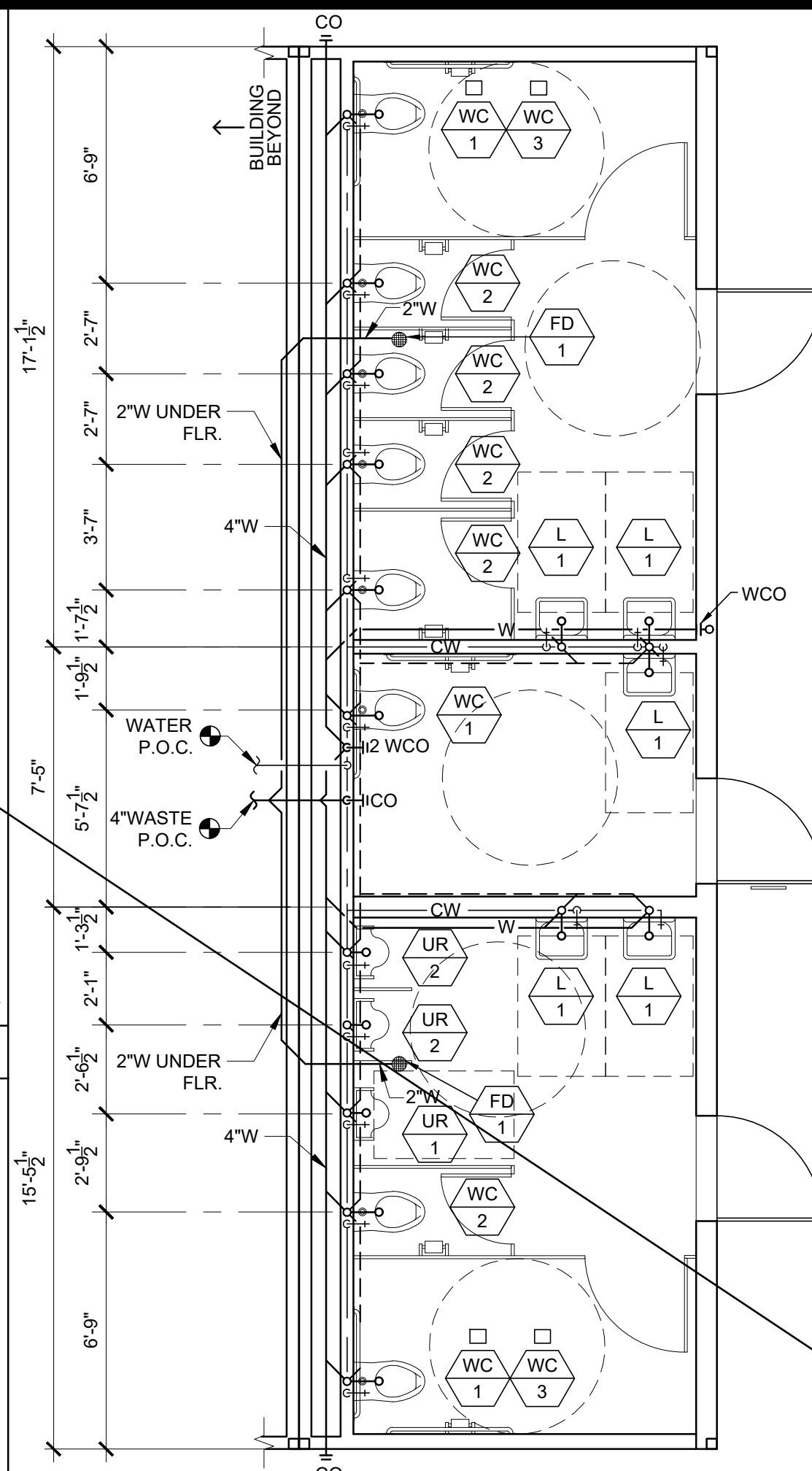


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- ABS SCHEDULE 40 IS STANDARD
- CAST IRON W/ NO HUB CONNECTOR
IS OPTION FOR BLDG. OVER 2160 SF.
- BASED ON 1/4" PER FOOT SLOPE

VENT LINE
WASTE LINE

WASTE AND VENTING ISOMETRIC - FLOOR MOUNT

SCALE: N.T.S. 11

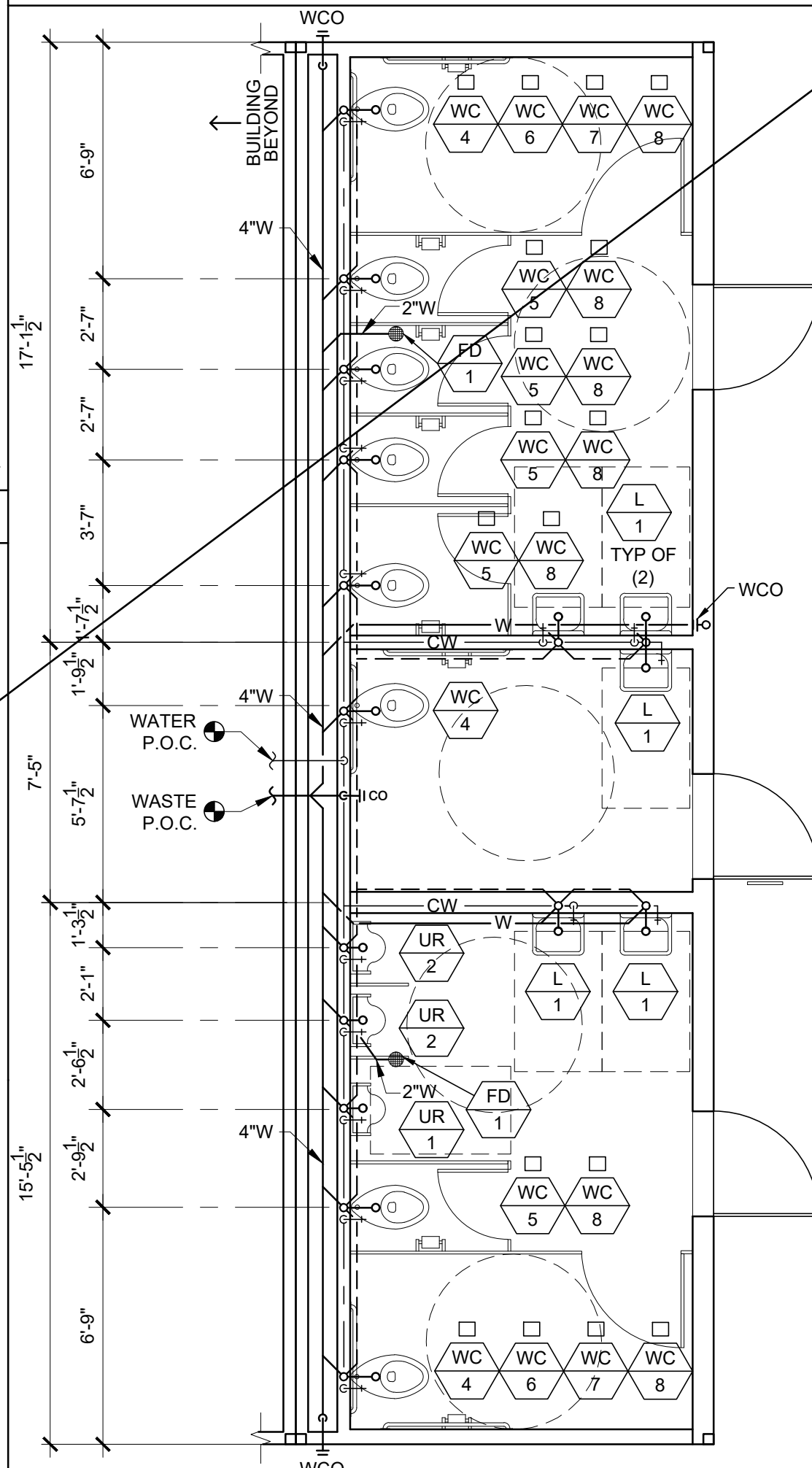


WALL MOUNT

PLUMBING PLAN (AGE 5-8, 9-12 & ADULT)

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

7



FLOOR MOUNT

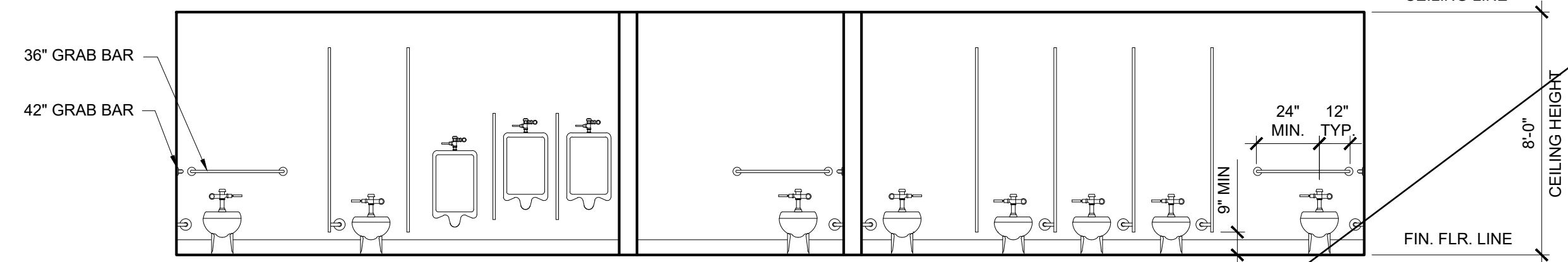
PLUMBING PLAN (AGE 3-4, 5-8, 9-12 & ADULT)

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

8

- NOTE:
- HOT WATER LINE INSULATION TO BE INSTALLED AT FIRST 8' FROM THE WATER HEATER ON NON-RECIRCULATING SYSTEMS.
 - ALL HOT WATER LINES TO BE INSULATED WHEN RE-CIRCULATING SYSTEMS ARE USED.
 - INSULATION SHALL HAVE A FLAME SPREAD INDEX 0-25, SMOKE DEVELOPED INDEX 0-450.

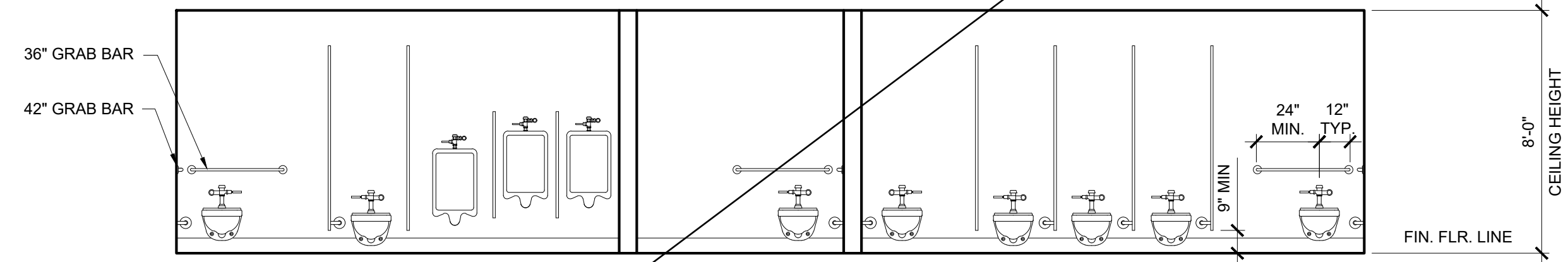
NOTE:
FOR PLUMBING FIXTURE SCHEDULE SEE SHEET A-1.07



PLUMBING FIXTURE ELEVATION - FLOOR MOUNTED (ADULT)

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

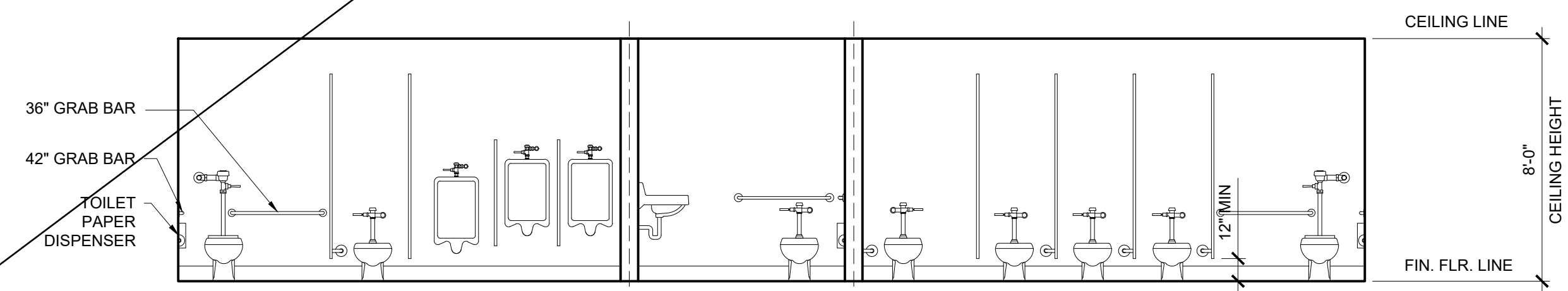
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PLUMBING FIXTURE ELEVATION - WALL MOUNTED (ADULT)

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

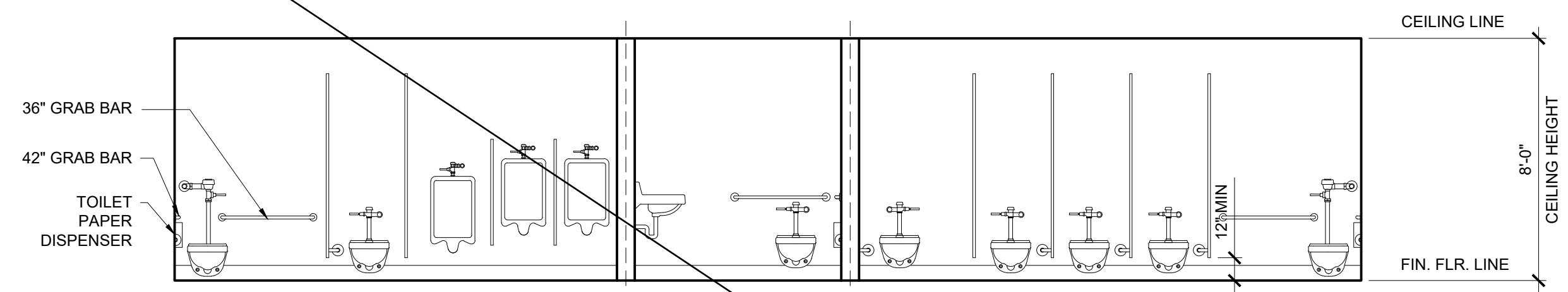
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PLUMBING FIXTURE ELEVATION - FLOOR WALL MOUNTED (AGE 5-8 OR 9-12)

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

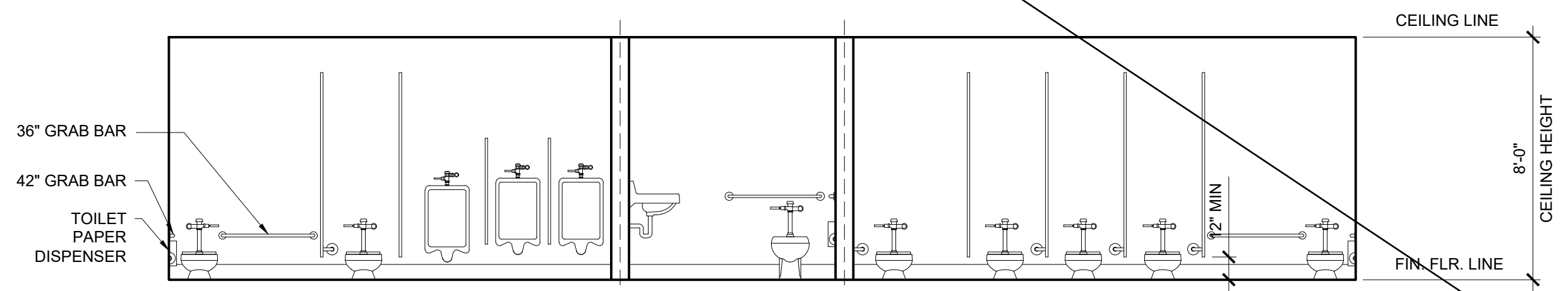
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PLUMBING FIXTURE ELEVATION - WALL MOUNTED (AGE 5-8 OR 9-12)

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

4



PLUMBING FIXTURE ELEVATION - FLOOR MOUNTED (AGE 3 - 4)

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

5

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PROJECT NAME:

SHEET TITLE:

**OPTIONAL
RESTROOM
END MODULE
PLUMBING SHEET**

REVISIONS

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

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W. STARLIN
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

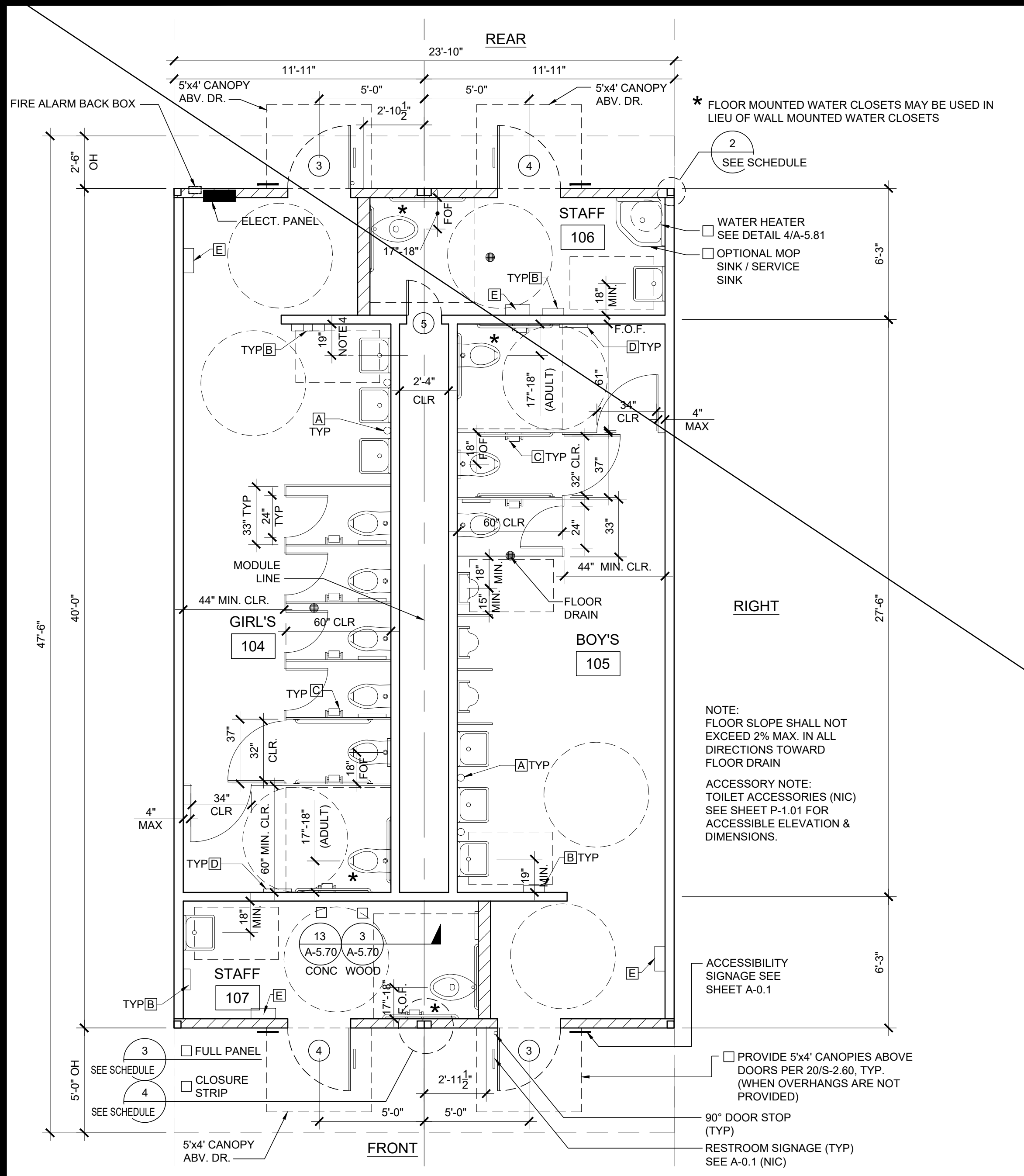
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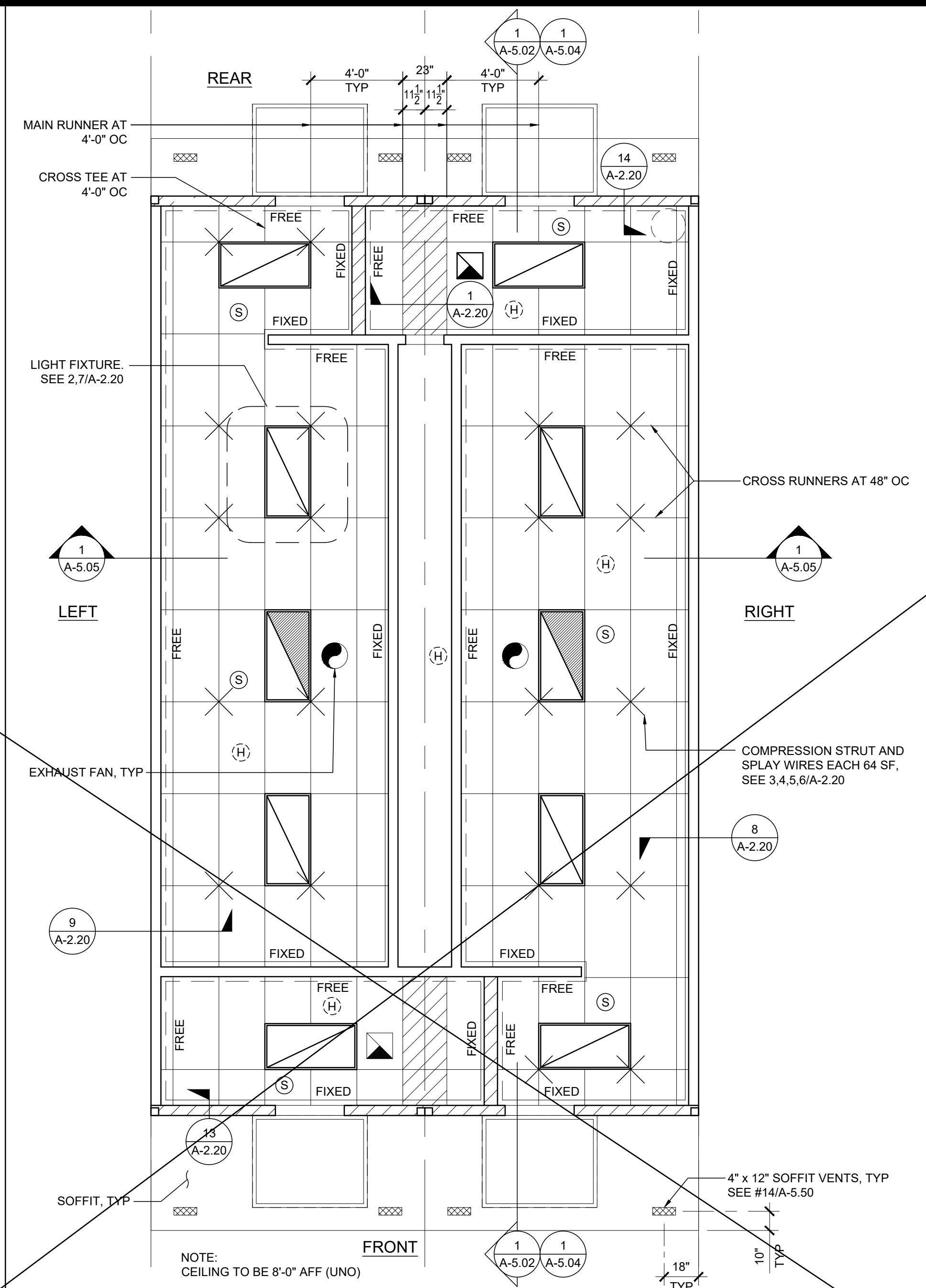
A-1.05



FLOOR PLAN (ADULT HEIGHT)

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

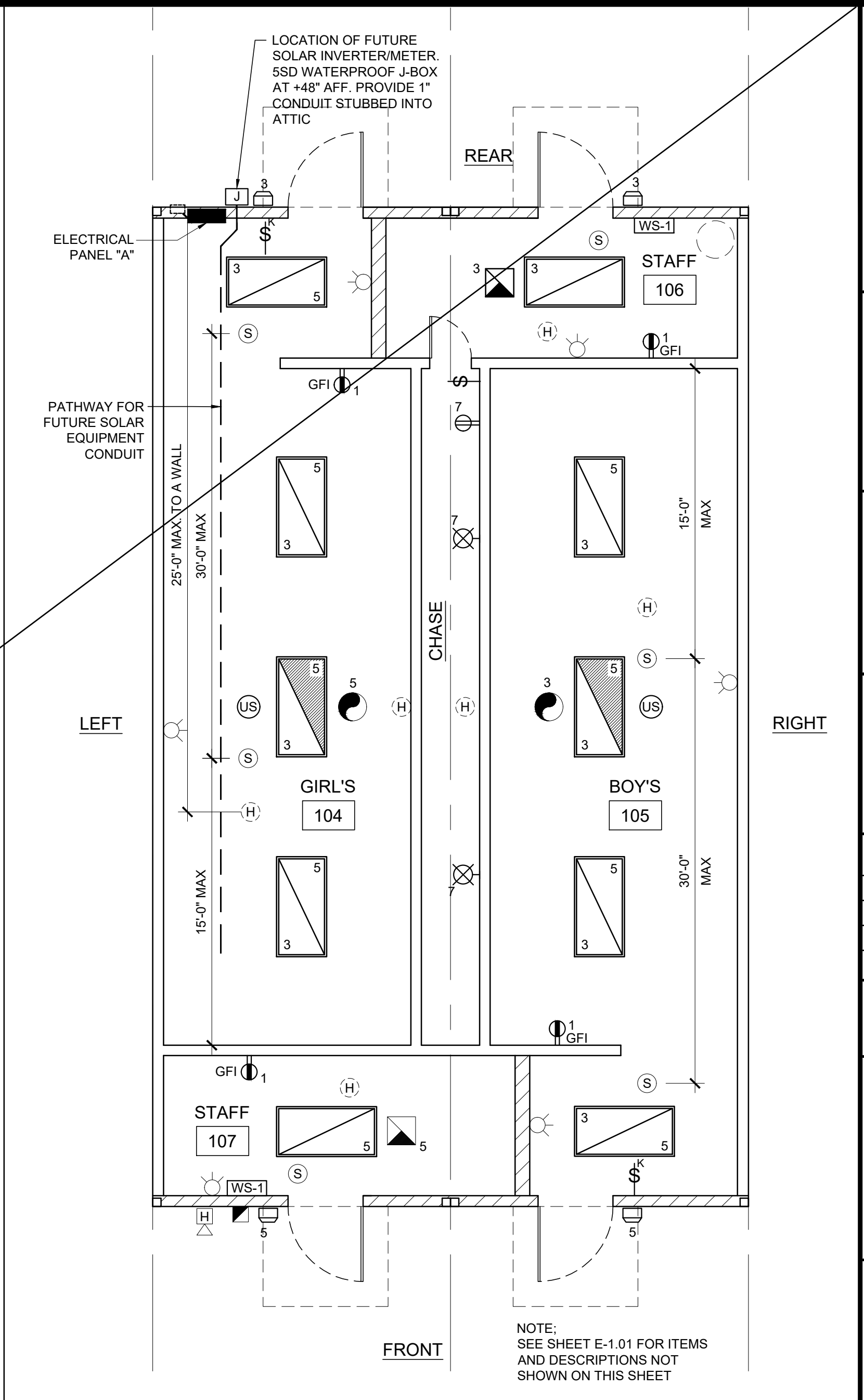
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REFLECTED CEILING PLAN

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

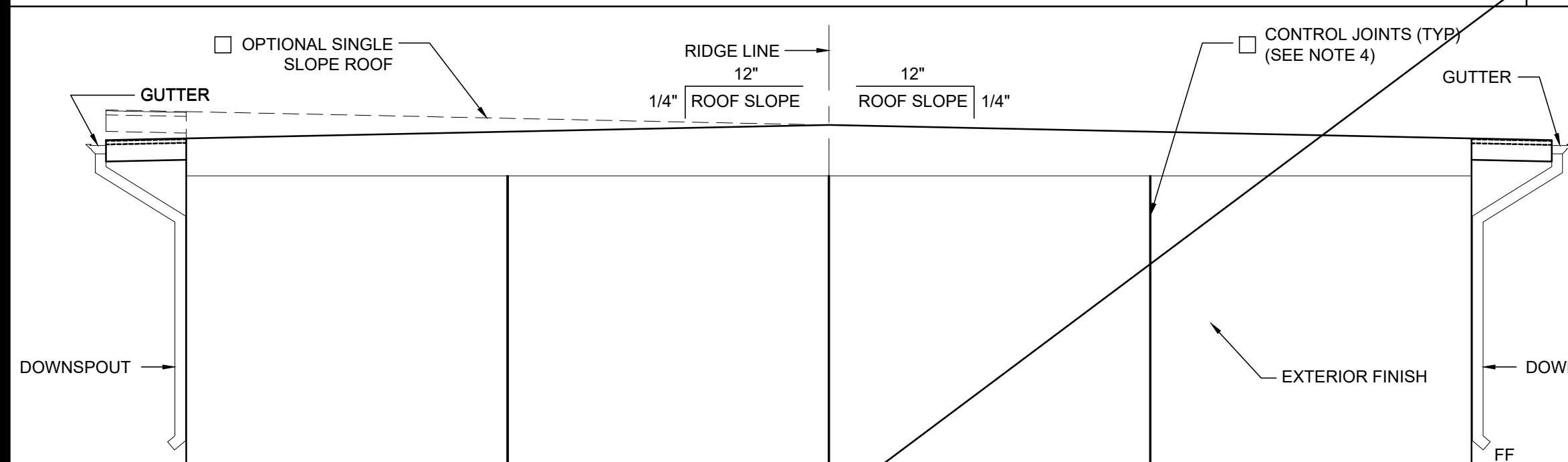
2



ELECTRICAL PLAN

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

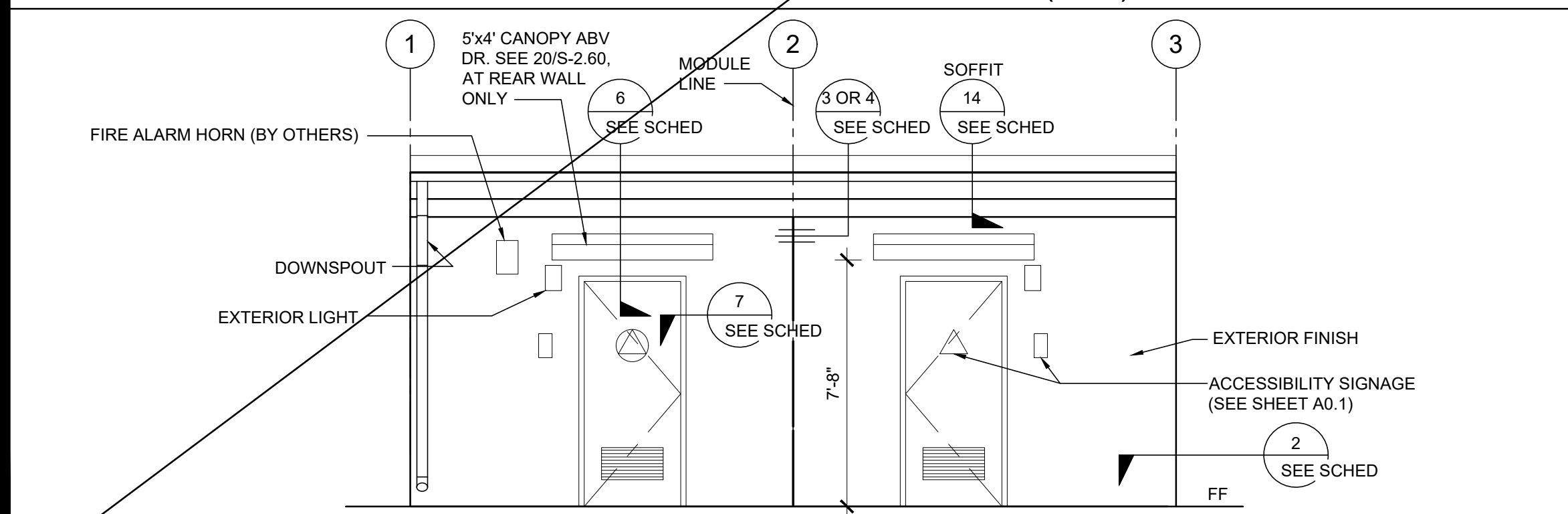
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EXTERIOR ELEVATIONS - SIDE (TYP)

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

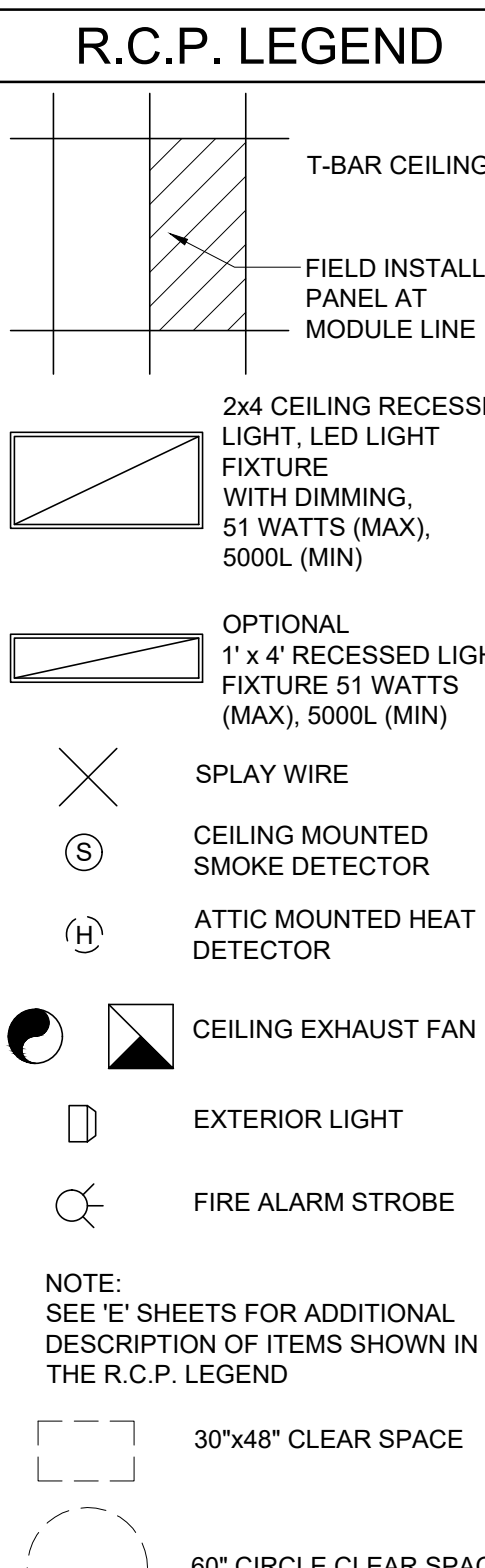
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EXTERIOR ELEVATIONS - FRONT / REAR

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

5



- NOTES**
- PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. PER IR 16-1.13 (2.1)
 - NOT USED
 - ALL FIXTURE HEIGHTS TO BE VERIFIED PRIOR TO CONSTRUCTION.
 - ACCESSORIES SHALL NOT ENCR OACH REQUIRED CLEAR SPACE. LOCATION OF LAVATORY TO BE 19" MIN. FROM FACE OF FINISH OF WALL WHEN ACCESSORIES (PAPER TOWEL DISPENSERS, ELECTRIC HAND DRYERS, ETC.) HAVING A 4" PROJECTION ARE TO BE INSTALLED, SO AS NOT TO ENCR OACH INTO THE 30" x 48" CLEAR SPACE.
 - TOILET ROOM FLOORING AND BASE SHALL BE INSTALLED PER 10/A-5.70 IN LIEU OF PROVIDING A CURB (IR 23-2)

ELECTRICAL PANEL											
VOLTS: 120/208 V				PANEL: "A"				FEED: BOTTOM			
MAIN: 100A				LOCATION: INTERIOR ACCESS				MOUNTING: FLUSH			
LOAD	QTY	WATTS		BREAKER	Amps	P	Circuit	BREAKER	Amps	P	LOAD
		AØ	BØ								
RECEPTACLES / GFI	3	720		20	1	1	2				
INTERIOR/EXTERIOR LIGHTING/EXHAUST FAN	8		955	20	1	3	4				
INTERIOR/EXTERIOR LIGHTING/EXHAUST FAN	5		955	20	5	5	6				
CHASE LIGHT / RECEPTACLE (OPT B-1)	3		300	20	1	1	8				
							9				
							10				
							11				
							12	20	1		FIRE ALARM
A = 1675		WATTS / PHASE		1675	1255						B = 2510 WATTS / PHASE
TOTAL = 4185		WATTS		17.4	AMPS	120/208	VOLTS	1 Ø		3	WIRE

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

TOILET ACCESSORIES

- (REF. ONLY - MODELS FURNISHED AND INSTALLED BY DISTRICT U.N.O.)
- ☐ SOAP DISPENSER: LIQUID SOAP DISPENSER 4" MAX PROJECTION
 - ☐ PAPER TOWEL DISPENSER: SURFACE MOUNTED 4" MAX PROJECTION-CANNOT ENCR OACH INTO 30"x48" CLEAR SPACE OF FIXTURE
 - ☐ TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSES OR 3" MAX PROJECTION
 - ☐ TOILET SEAT DISPENSER: SURFACE MOUNTED
 - ☐ WALL MOUNTED WASTE RECEPTACLE, 6" MAX PROJECTION, 12" MAX ABV. FIN FLR TO BTM.

WALL LEGEND

	NOMINAL 4" WALL STUD	<input type="checkbox"/>
	NOMINAL 6" WALL STUD	<input type="checkbox"/>
	NOMINAL 8" WALL STUD	<input type="checkbox"/>

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

TOILET BUILDING
24'x40'
ADULT HEIGHT PLAN & ELEV'S

REVISIONS

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04.12.1999 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:

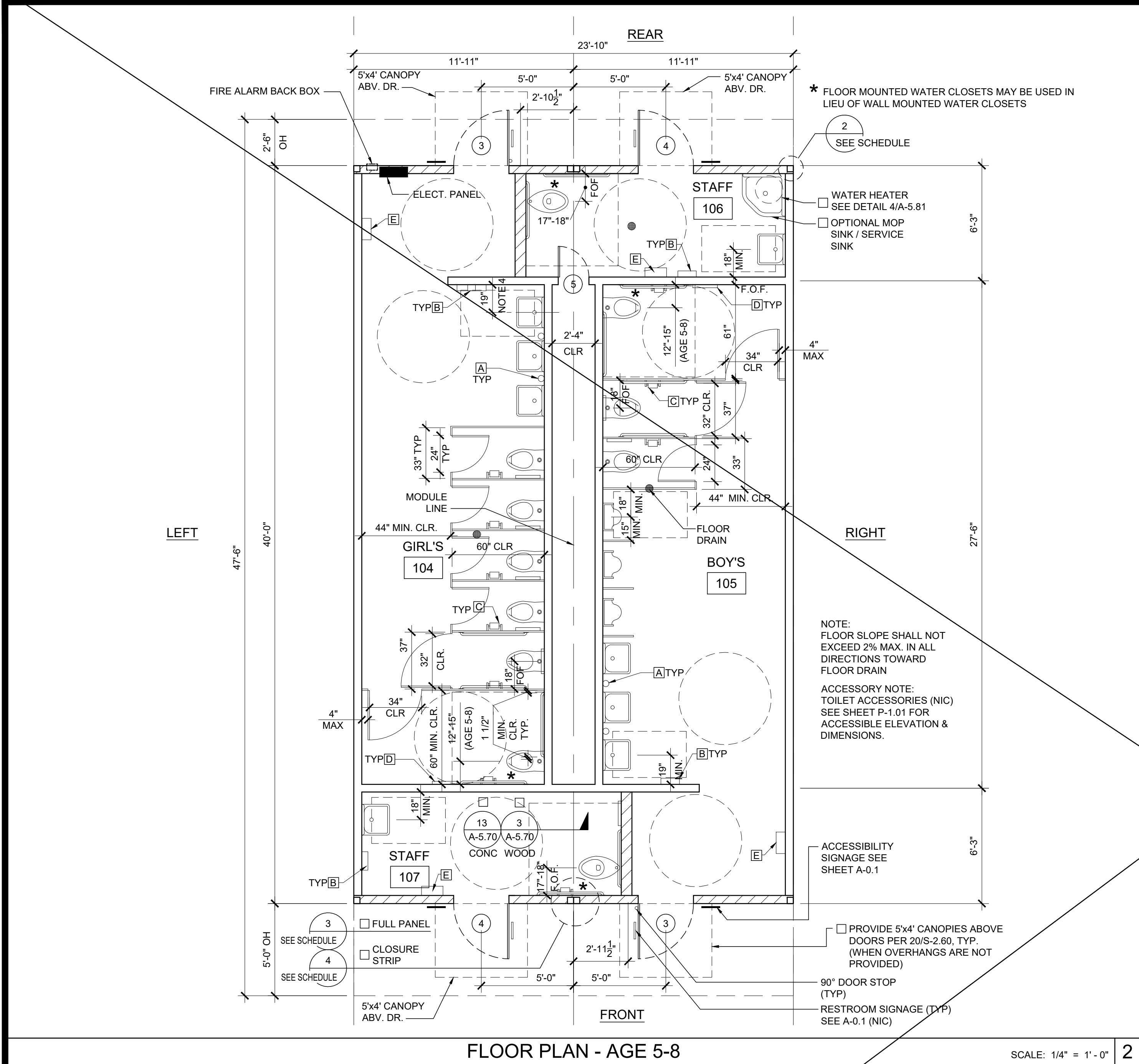
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

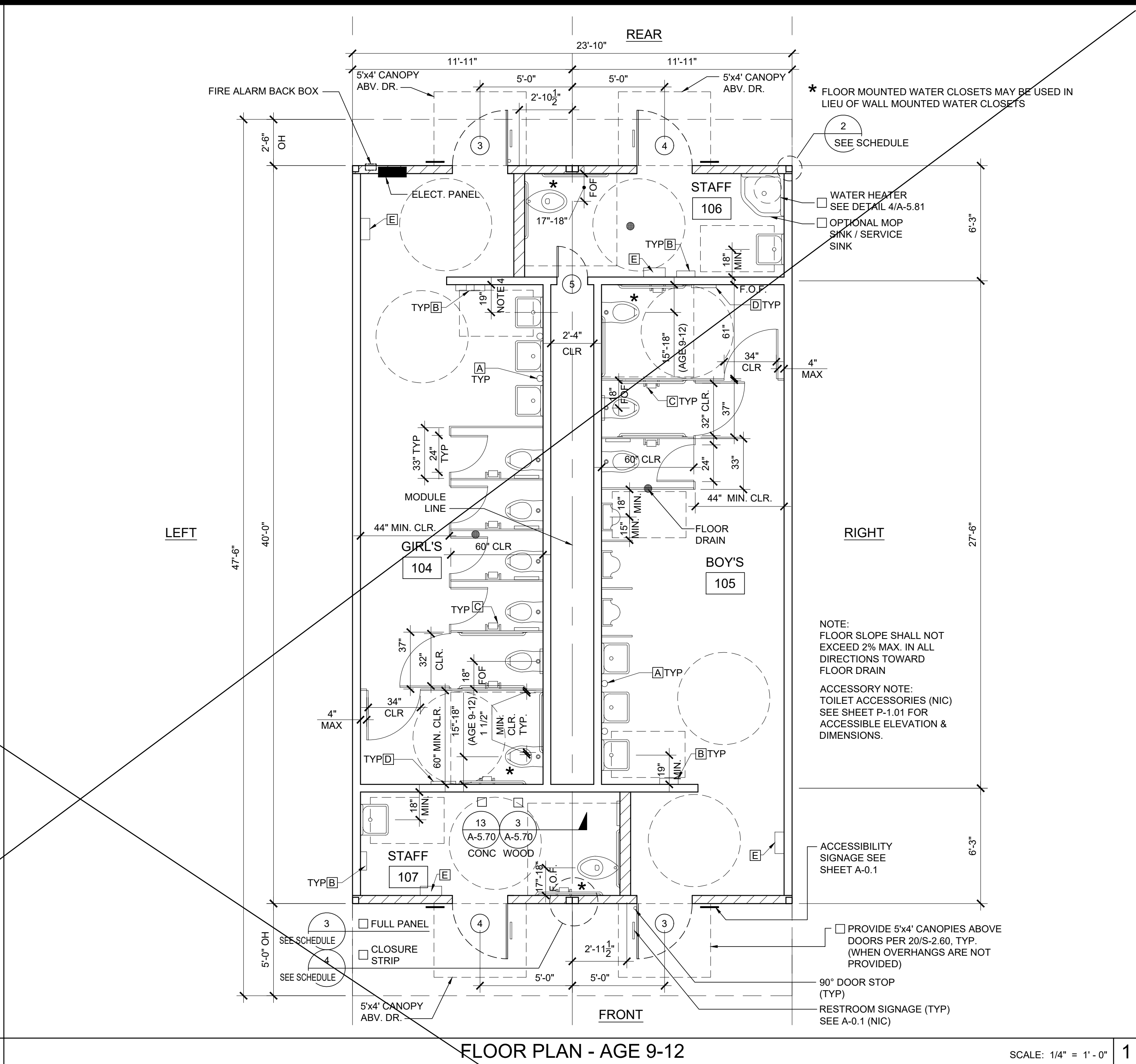
A-1.06



FLOOR PLAN - AGE 5-8

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

2



FLOOR PLAN - AGE 9-12

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

1

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PROJECT NAME:

SHEET TITLE:

TOILET BUILDING
24'x40'
ALTERNATE HEIGHT PLANS

REVISIONS

1

2

3

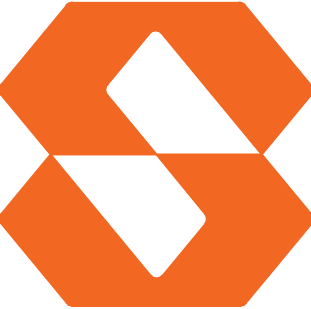
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5


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MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

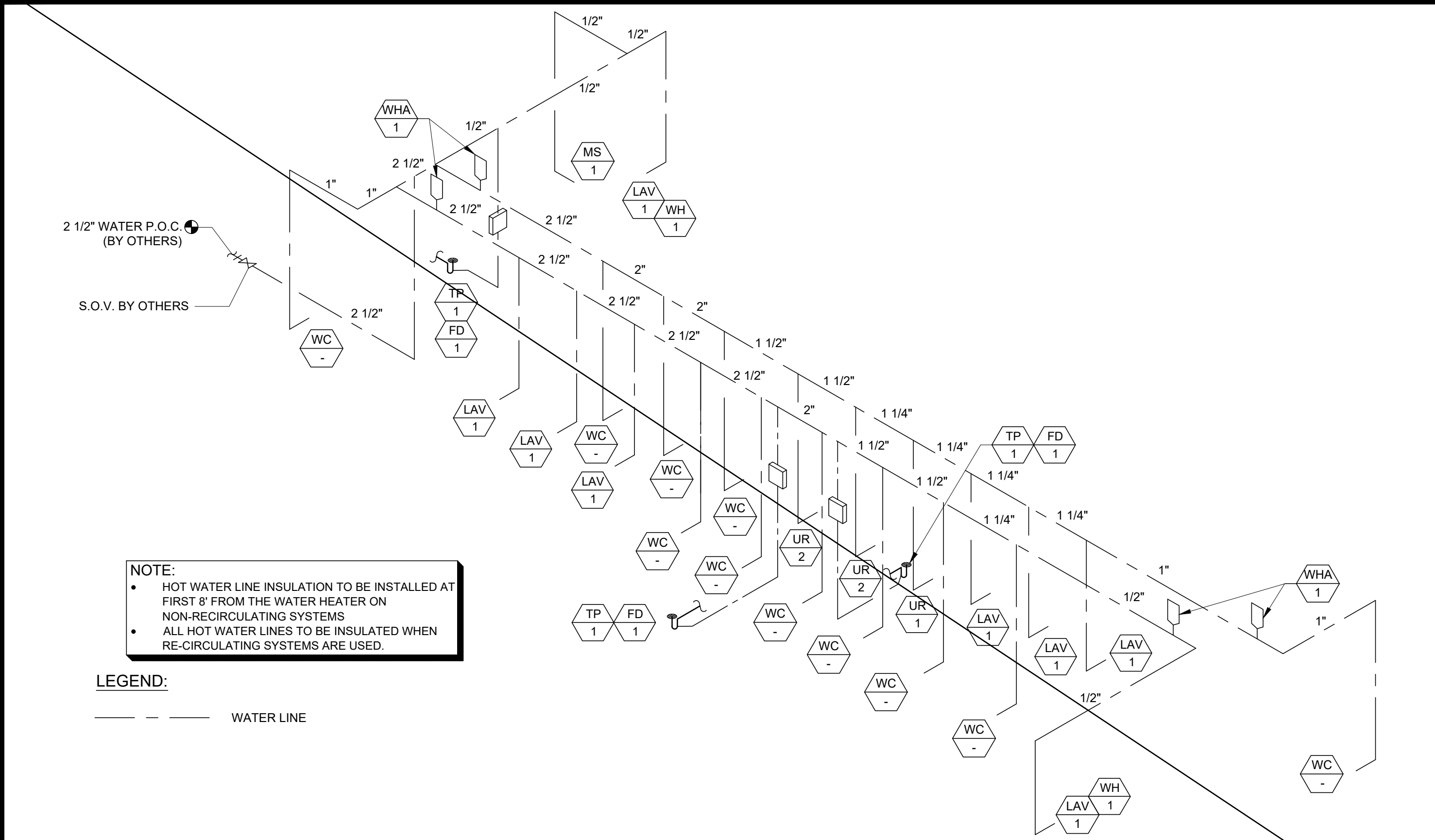
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SCALE: AS NOTED

DATE: 02-27-2023

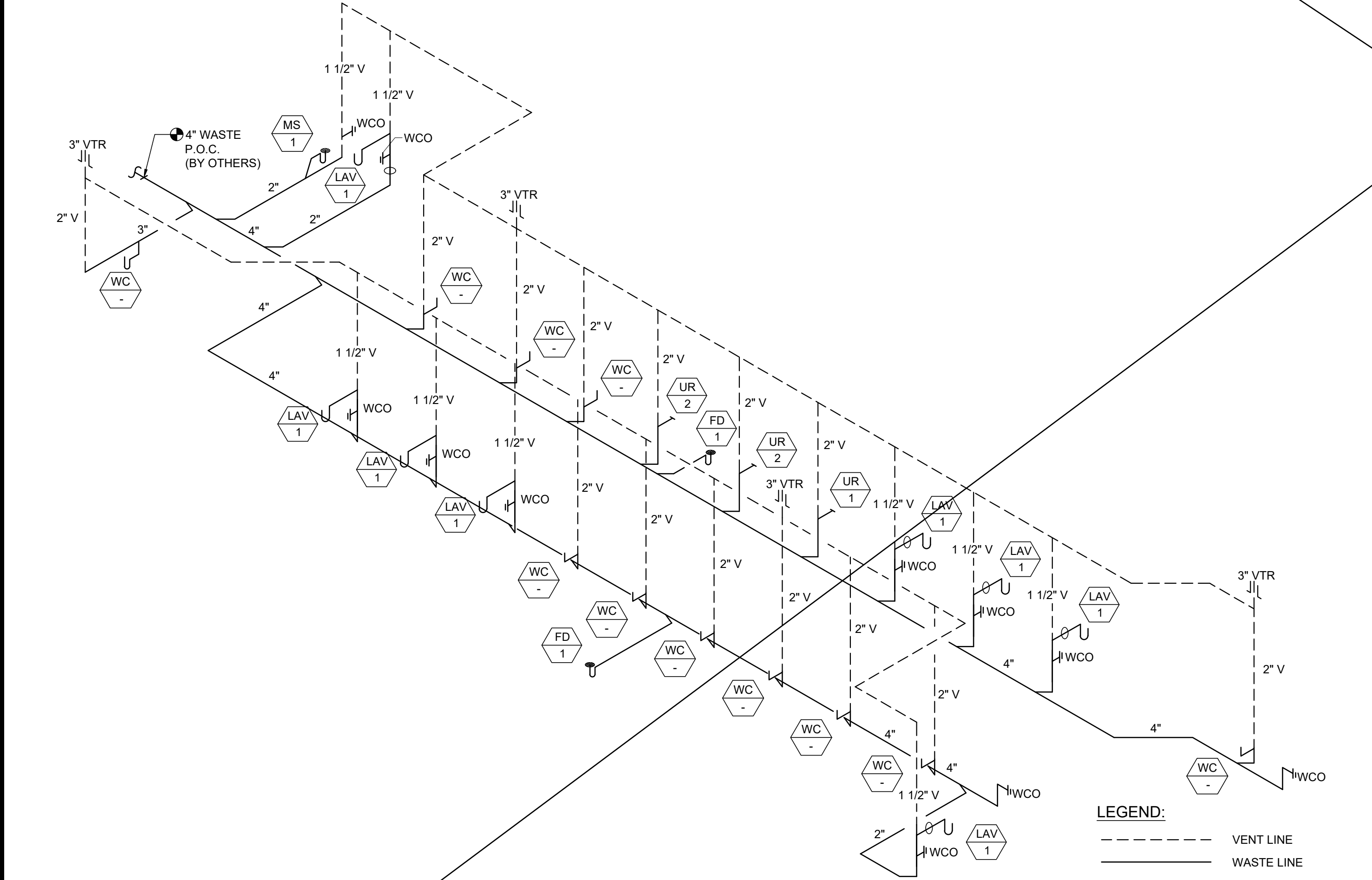
P.C. SHEET NUMBER

A-1.06A



SUPPLY ISOMETRIC

SCALE: N.T.S. 3

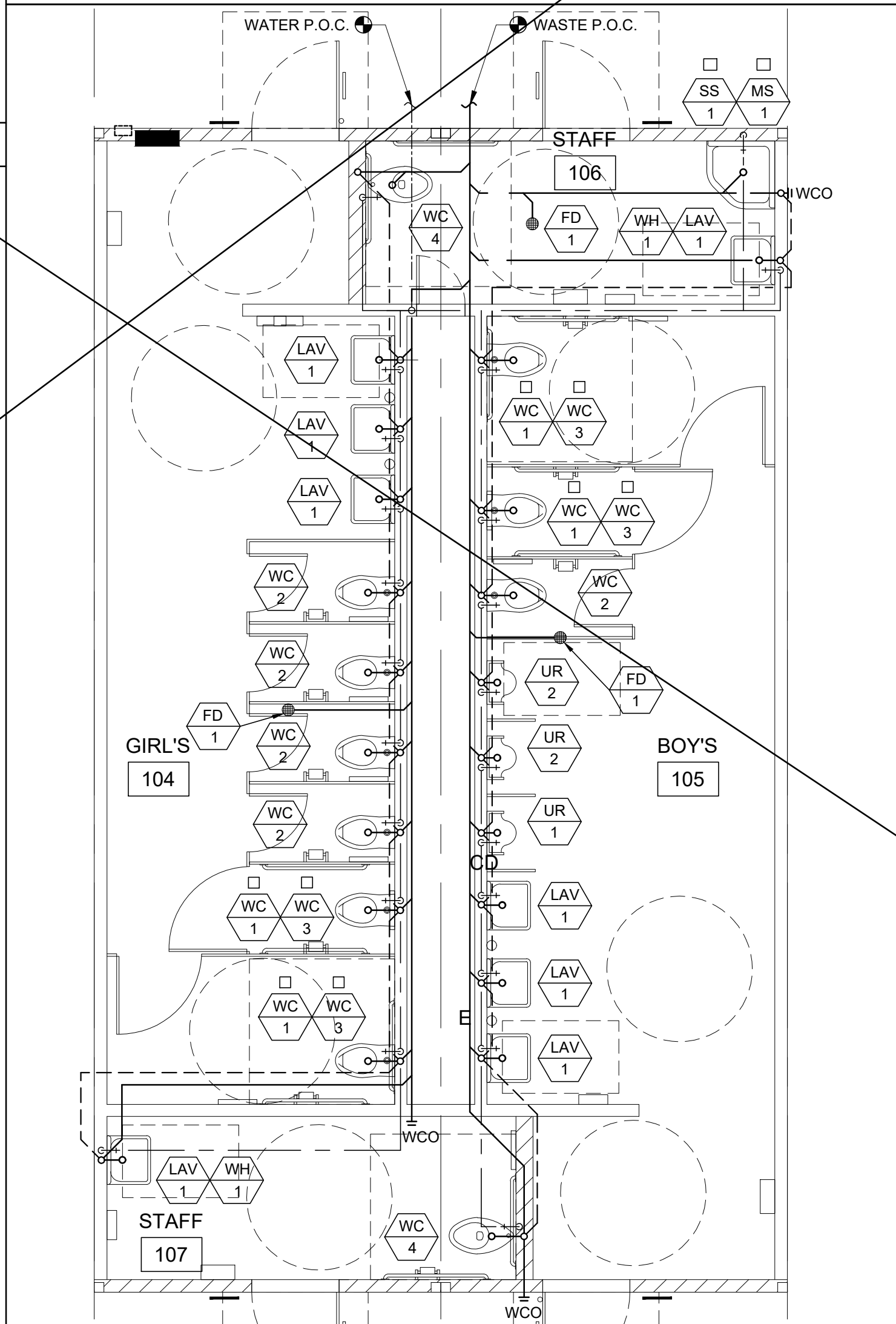


WASTE AND VENTING ISOMETRIC

SCALE: N.T.S. 4

PLUMBING FIXTURE SCHEDULE CONT.

SYMBOL	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	FIXTURE DESCRIPTION (AS CALLED OUT OR APPROVED EQUAL)
WC 20	[ADULT] WATER CLOSET TANK TYPE (ACCESSIBLE)	1/2"	-	3"	2"	STD: PROFLO PF9403 (1.28 GPF) ALT: AMERICAN STANDARD ADA 2758.128, 17 HIGH, VITREOUS CHINA ELONGATED RIM, TANK TYPE, 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 21	[AGE 9-12] WATER CLOSET TANK TYPE (ACCESSIBLE)	1/2"	-	3"	2"	STD: PROFLO STANDARD PF9401 (1.28 GPF) ALT: AMERICAN STANDARD 2832.128, 16" HIGH, VITREOUS CHINA ELONGATED RIM, TANK TYPE, 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 22	[AGE 5 TO ADULT] WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	1/2"	-	3"	2"	STD: PROFLO STANDARD PF9401 (1.28 GPF) ALT: AMERICAN STANDARD 2832.128, 16" HIGH, VITREOUS CHINA ELONGATED RIM, TANK TYPE, 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 23	[AGE 3-4] WATER CLOSET TANK TYPE (ACCESSIBLE & NON-ACCESSIBLE)	1/2"	-	3"	2"	STD: PROFLO PF1704BB (1.28 GPF) ALT: AMERICAN STANDARD 2315.016 BABY DEVORO 10" HIGH, 10" ROUGH-IN, VITREOUS CHINA ELONGATED RIM, TANK TYPE; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 24	[AGE 5-8] WATER CLOSET TANK TYPE (ACCESSIBLE)	1/2"	-	3"	2"	STD: PROFLO PF1704BB (1.28 GPF) ALT: AMERICAN STANDARD 2315.016 BABY DEVORO 10" HIGH, 10" ROUGH-IN, VITREOUS CHINA ELONGATED RIM, TANK TYPE; CHURCH 2L215ST (2" LIFT) SOLID OPEN WHITE ELONG. PLASTIC SEAT



PLUMBING PLAN (AGE 5-8, 9-12 & ADULT)

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

SYMBOL	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	FIXTURE DESCRIPTION (AS CALLED OUT OR APPROVED EQUAL)
WC 1	[ADULT] WATER CLOSET WALL MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD PF1731 WALL (1.28 GPF) ALT: AMERICAN STD 2856.128 VITREOUS CHINA ELONGATED RIM, FLUSH VALVE TYPE, SIPHON JET; OLSONITE 10SSCTFR SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE; JAY R SMITH #210-LY OR RY NO-HUB ADJUSTABLE FIXTURE SUPPORT CARRIER
WC 2	[AGE 5 TO ADULT] WATER CLOSET WALL MTD/FLUSH (NON-ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD PF1731 WALL (1.28 GPF) ALT: AMERICAN STD 2856.128 VITREOUS CHINA ELONGATED RIM, FLUSH VALVE TYPE, SIPHON JET; OLSONITE 10SSCTFR SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE; JAY R SMITH #210-LY OR RY NO-HUB ADJUSTABLE FIXTURE SUPPORT CARRIER
WC 3	[AGE 5 TO 12] WATER CLOSET WALL MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD PF1731 WALL (1.28 GPF) ALT: AMERICAN STD 2856.128 VITREOUS CHINA ELONGATED RIM, FLUSH VALVE TYPE, SIPHON JET; OLSONITE 10SSCTFR SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE; JAY R SMITH #210-LY OR RY NO-HUB ADJUSTABLE FIXTURE SUPPORT CARRIER
WC 4	[ADULT] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO PF1723 (1.28 GPF) ALT: AMERICAN STD 3043.001 "MADERA" 16 3/4" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 10" ROUGH-IN; OLSONITE 10SSCTFR SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE
WC 5	[AGE 5 TO ADULT] WATER CLOSET FLOOR MTD/FLUSH (NON-ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD PF1721 (1.28 GPF) ALT: AMERICAN STANDARD 2234.001 MADERA 15" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 12" ROUGH-IN; OLSONITE 10SSCTFR SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE
WC 6	[AGE 9-12] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD PF1721 (1.28 GPF) ALT: AMERICAN STANDARD 2234.001 MADERA 15" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 12" ROUGH-IN; OLSONITE 10SSCTFR SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE
WC 7	[AGE 5-8] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	AMERICAN STANDARD 2599.001 MADERA YOUTH (1.28 GPF) 14" HIGH, VITREOUS CHINA ELONG. RIM, SIPHON JET, 10" ROUGH-IN; OLSONITE 10SSCTFR ELONGATED WHITE PLASTIC SEAT; SLOAN ROYAL #115-1.28 LOW CONSUMPTION FLUSHOMETER VALVE
WC 8	[AGE 3-4] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE & NON-ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO PF1700BB (1.28 GPF) ALT: AMERICAN STANDARD BABY DEVORO 2282.010 VITREOUS CHINA ELONGATED RIM, 10" ROUGH-IN LOW CONSUMPTION CLOSET BOWL; OLSONITE 126CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSH VALVE
LAV 1	LAVATORY (ACCESSIBLE)	1/2"	-	2"	1 1/2"	STD: AMERICAN STANDARD 0355.012 LUCERNE ALT: CRANE 1-412V "HARWICH" 20X18" VITREOUS CHINA; JAY R SMITH #722 CONCEALED HANGER; OLYMPIA #6161 SINGLE HANDLE FAUCET (0.5 GPM)
UR 1	URINAL (ACCESSIBLE)	3/4"	-	2"	1 1/2"	STD: PROFLO PF 1815 (0.125 GPF) ALT: AMERICAN STANDARD 6550.501 VITREOUS CHINA, WALL HUNG, SIPHON JET URINAL WITH INTEGRAL TRAP; SLOAN REGAL 186-0.125 LOW CONSUMPTION FLUSHOMETER VALVE
UR 2	URINAL (NON-ACCESSIBLE)	3/4"	-	2"	1 1/2"	STD: PROFLO PF 1815 (0.125 GPF) ALT: AMERICAN STANDARD 6550.501 WASHOUT VITREOUS CHINA, WALL HUNG URINAL WITH INTEGRAL TRAP; SLOAN REGAL 186-0.125 LOW CONSUMPTION FLUSHOMETER VALVE
FD 1	FLOOR DRAIN	-	-	2"	1 1/2"	JAY R SMITH #2005YA-02-P050-NB. FLOOR DRAIN TAPPED FOR PRIMER. 5" NICKEL BRONZE STRAINER W/ 1/4" MAX. GRATE OPENINGS
TP 1	TRAP PRIMER	1/2"	-	-	-	PR-500 WITH 8"x12" LOCKABLE BOX, 1/2" BALL SHUT-OFF VALVE, AND PPP DU-U FRESH WATER DISTRIBUTION SYSTEM
WHA 1	WATER HAMMER ARRESTOR	1"	-	-	-	PPP SC-1000
GB 1	GRAB BAR	-	-	-	-	BOBRICK B-6806-1-1/2 OC STAINLESS STEEL GRAB BAR - SATIN FINISH; 36" LONG ON BACK AND 42" ON SIDE
MR 1	MIRROR	-	-	-	-	SERIES 530 RETURNED MIRRORS STAINLESS STEEL - 18GA 18"x24" - "J" SHEET METAL MANUFACTURED OR APPROVED EQUAL
PAR 1	TOILET PARTITION	-	-	-	-	METAL POWDER COATED
SS 1	SERVICE SINK	1/2"	1/2"	2"	1 1/2"	KOHLER K-6714 "BANNON" 22"x18" CAST IRON, ACID RESISTANT SINK; K-8905-RP "KNOXFORD" FAUCET; K-6672 2" I.P.S. TRAP
MS 1	MOP SINK	1/2"	1/2"	2"	1 1/2"	AMERICAN STANDARD #7741.000 28"x28" CAST IRON W/ CHIGAGO FAUCET 956-R, 853 WALL HOOK, AND 2" K-9142 STRAINER
CS 1	CLASSROOM SINK (OPTION)	1/2"	1/2"	2"	1 1/2"	JUST CRA-1725-A-GR 17"x25" w/ 4 1/2" BOWL DEPTH, WITH CHIGAGO FAUCET #350 AND BUBBLER JSB-10
WH 1	INSTANT WATER HEATER	1/2"	1/2"	-	-	EEMAX HSP3012, 120V, 3.0 KW, 25A
DF 1	DRINKING FOUNTAIN	1/2"	-	2"	1 1/2"	HALSEY-TAYLOR 7 BL-LEVEL HAC8FSBL-Q / COOLING TYPE

*** NOTE: WHERE FLUSH VALVES OR TOILET TANKS CONFLICT WITH THE REAR GRAB BAR, THE 36" REAR GRAB BAR SHALL BE SHIFTED TO THE OPEN SIDE OF THE TOILET AREA WITH 1 1/2" MIN. CLEARANCE FROM FIXTURE OR CONTROL VALVE.

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

TOILET BUILDING
24'x40'
PLUMBING SHEET

REVISIONS

PRE-CHECK (PC) DOCUMENT
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PC STATE AGENCY APPROVAL

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

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

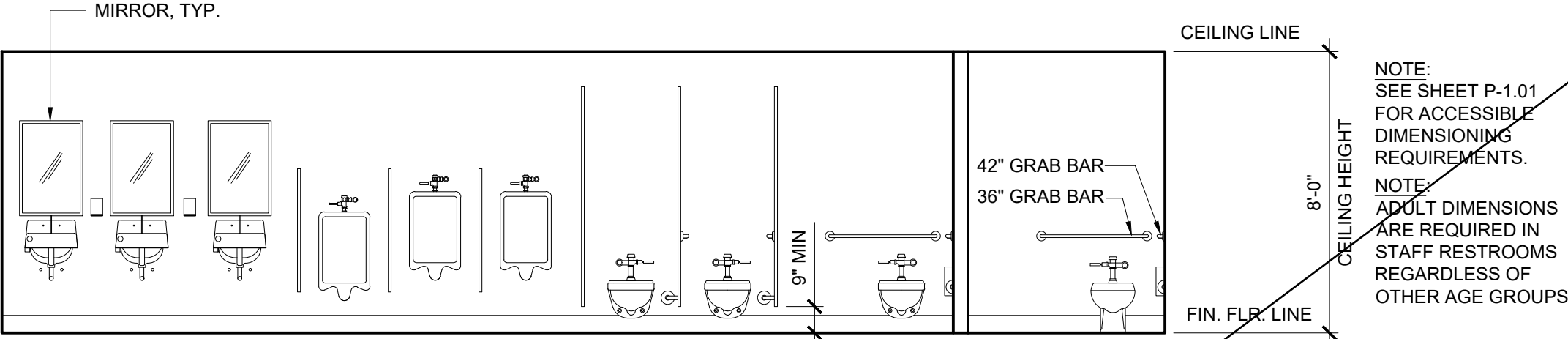
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SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

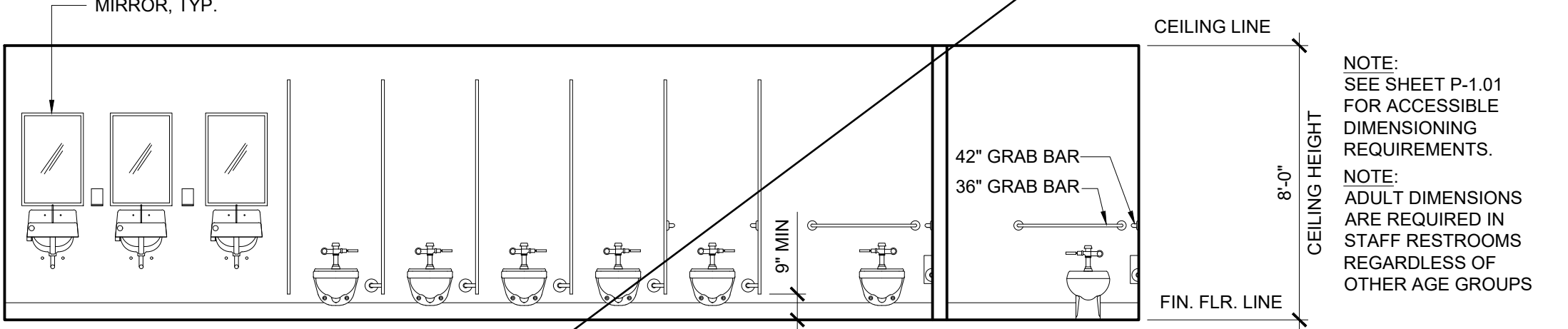
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PLUMBING FIXTURE ELEVATION - BOYS (ADULT HEIGHT)

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

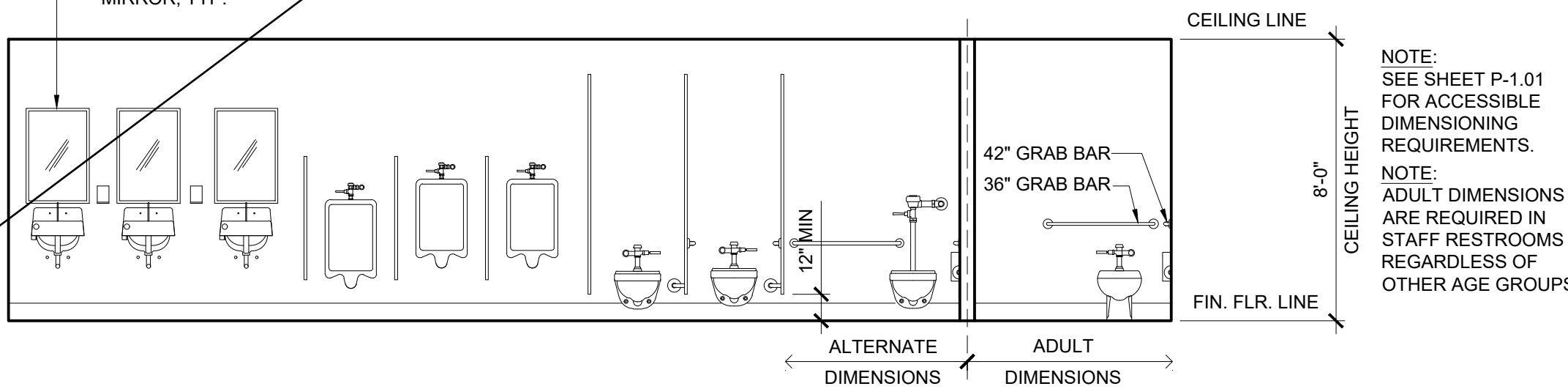
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PLUMBING FIXTURE ELEVATION - GIRLS (ADULT HEIGHT)

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

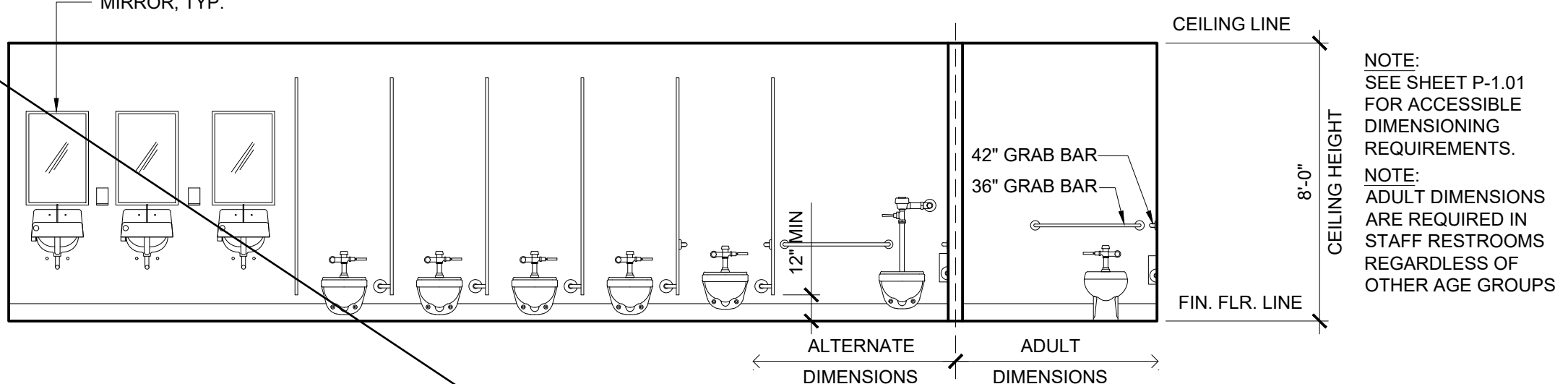
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PLUMBING FIXTURE ELEVATION - BOYS (AGE 5-8 OR 9-12)

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

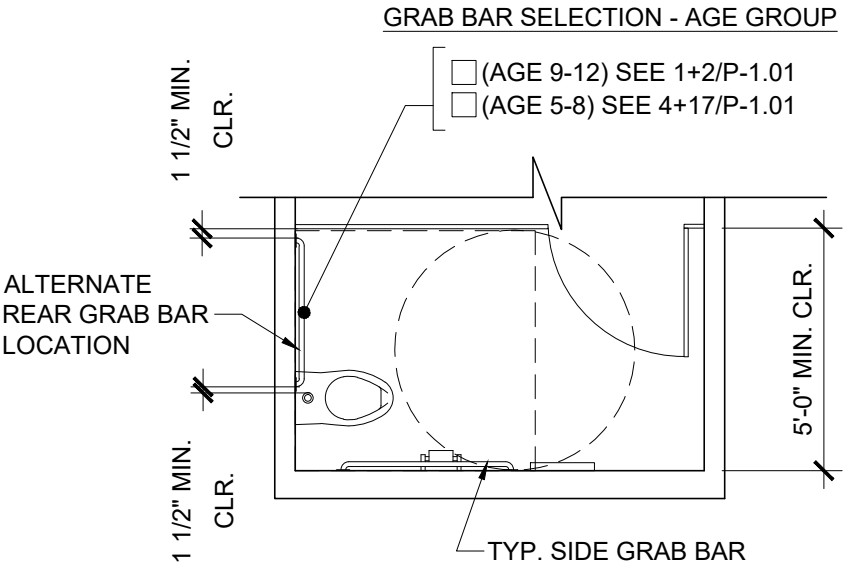
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PLUMBING FIXTURE ELEVATION - GIRLS (AGE 5-8 OR 9-12)

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

4



ALTERNATE ACCESSIBLE TOILET STALL (DETAIL - 'A')

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SHEET TITLE:

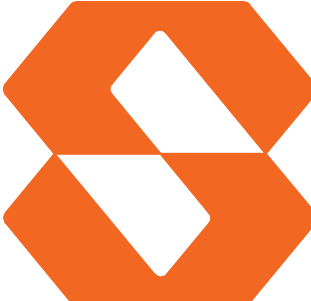
TOILET BUILDING
24'x40'
INTERIOR ELEVATIONS

REVISIONS

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CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
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PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

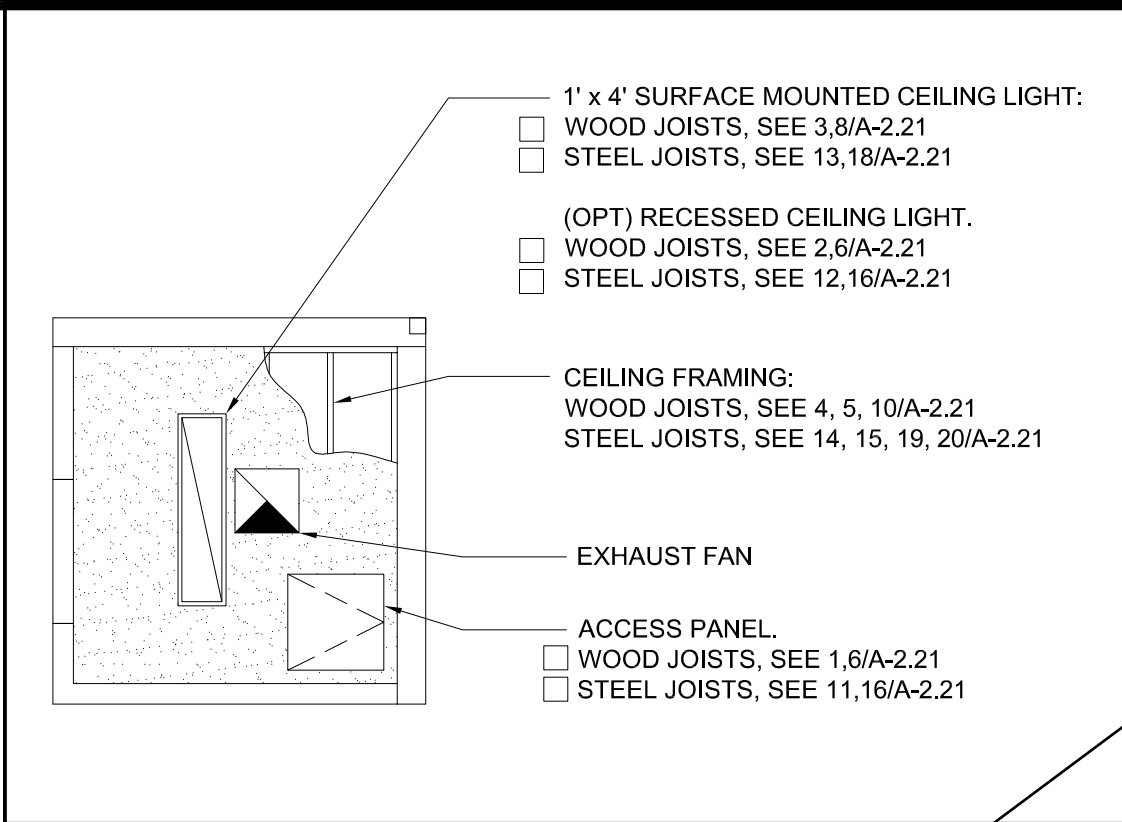
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SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

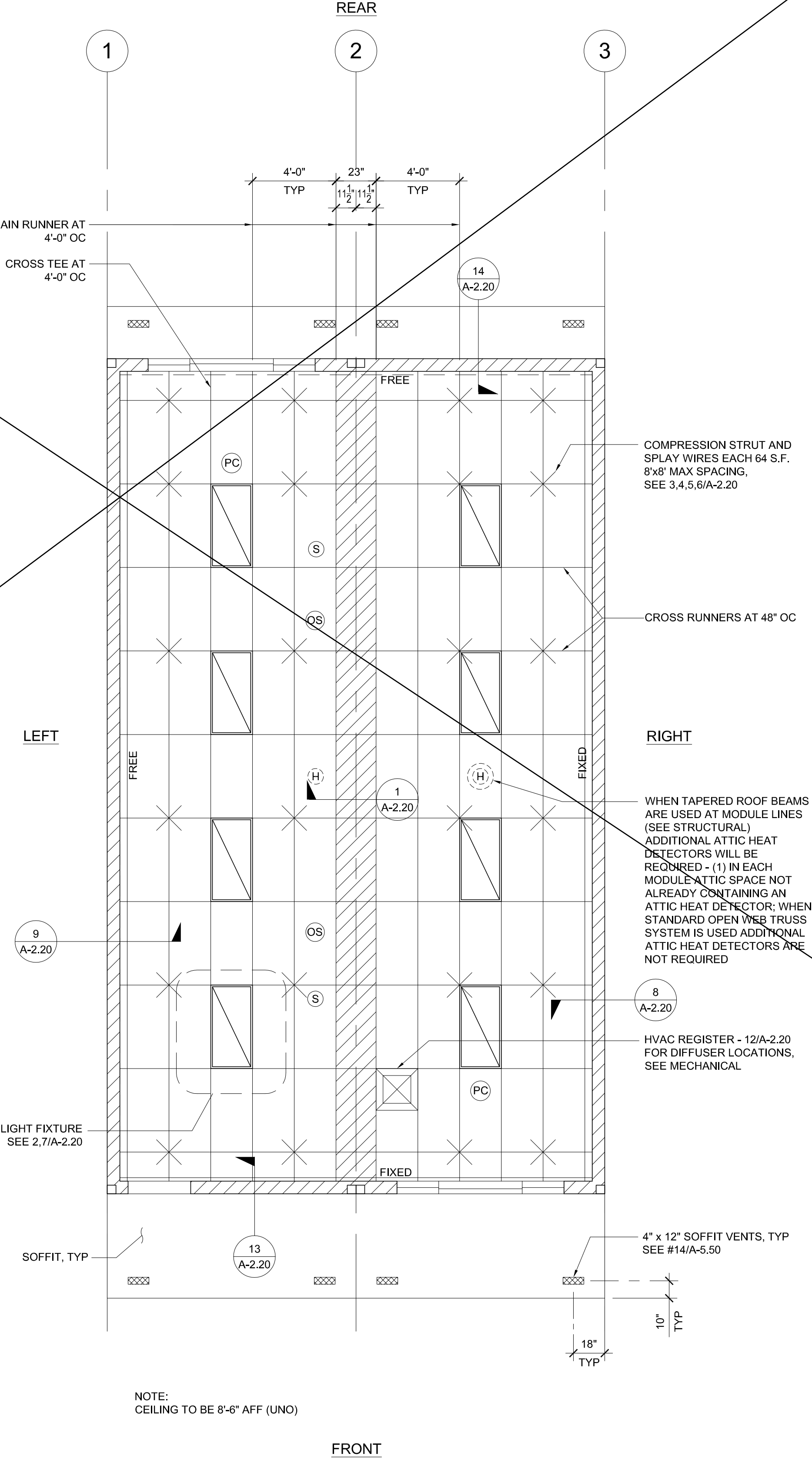
A-1.08



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

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
	SPRAY WIRE
	RETURN AIR REGISTER
	SUPPLY AIR REGISTER
	CEILING EXHAUST FAN
	CEILING MOUNTED OCCUPANCY SENSOR
	CEILING MOUNTED PHOTOCELL
	CEILING MOUNTED SMOKE DETECTOR
	ATTIC MOUNTED HEAT DETECTOR

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



REFLECTED CEILING PLAN

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

T-BAR SCHEDULE

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

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

REFLECTED CEILING PLAN
24' x 40'

REVISIONS

1	
2	
3	
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5	

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-12-1999 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

JOHN W. STARKEY
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

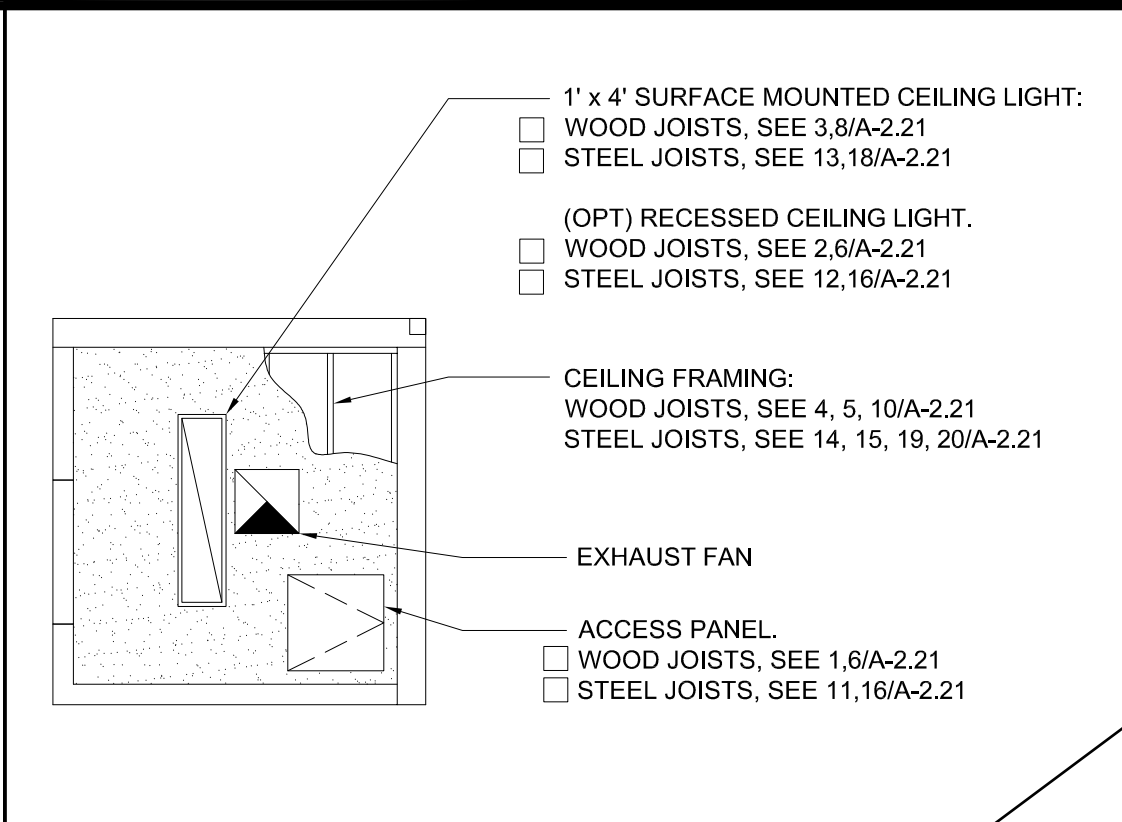
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

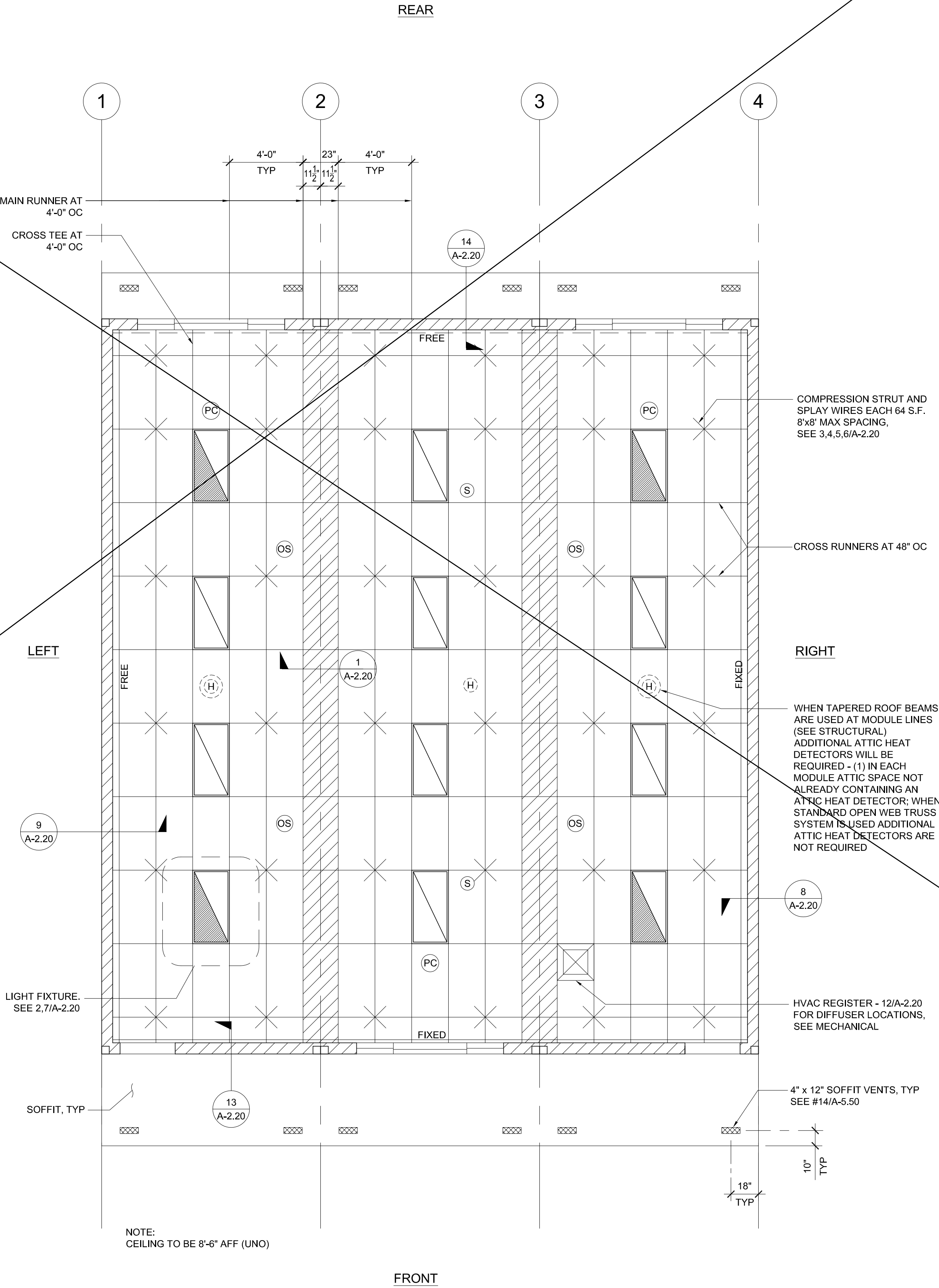
A-2.01



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

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

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



REFLECTED CEILING PLAN

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

T-BAR SCHEDULE

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

PROJECT SPECIFIC STATE AGENCY APPROVAL

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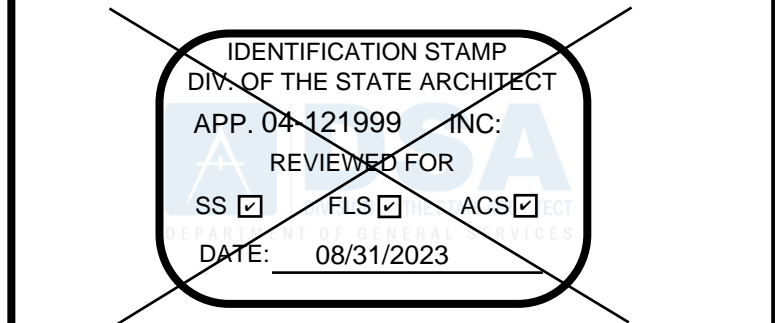
PROJECT NAME:

SHEET TITLE:

REFLECTED CEILING PLAN
36' x 40'

REVISIONS	
1	
2	
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4	
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PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
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FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL



MODULAR BUILDING DESIGN PROFESSIONAL

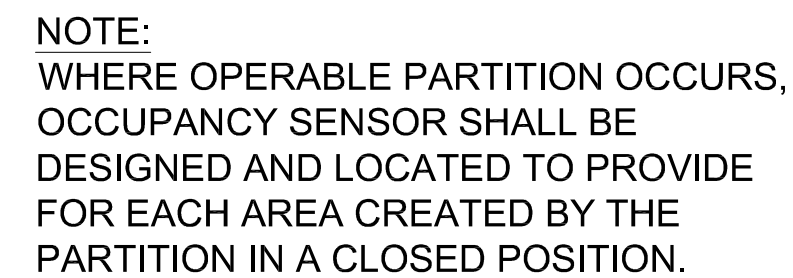


SILVER CREEK INDUSTRIES
24' x 40' PC

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

P.C. SHEET NUMBER

A-2.02



PROJECT NAME:

REFLECTED CEILING
PLAN
48' TO 120' x 40'

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

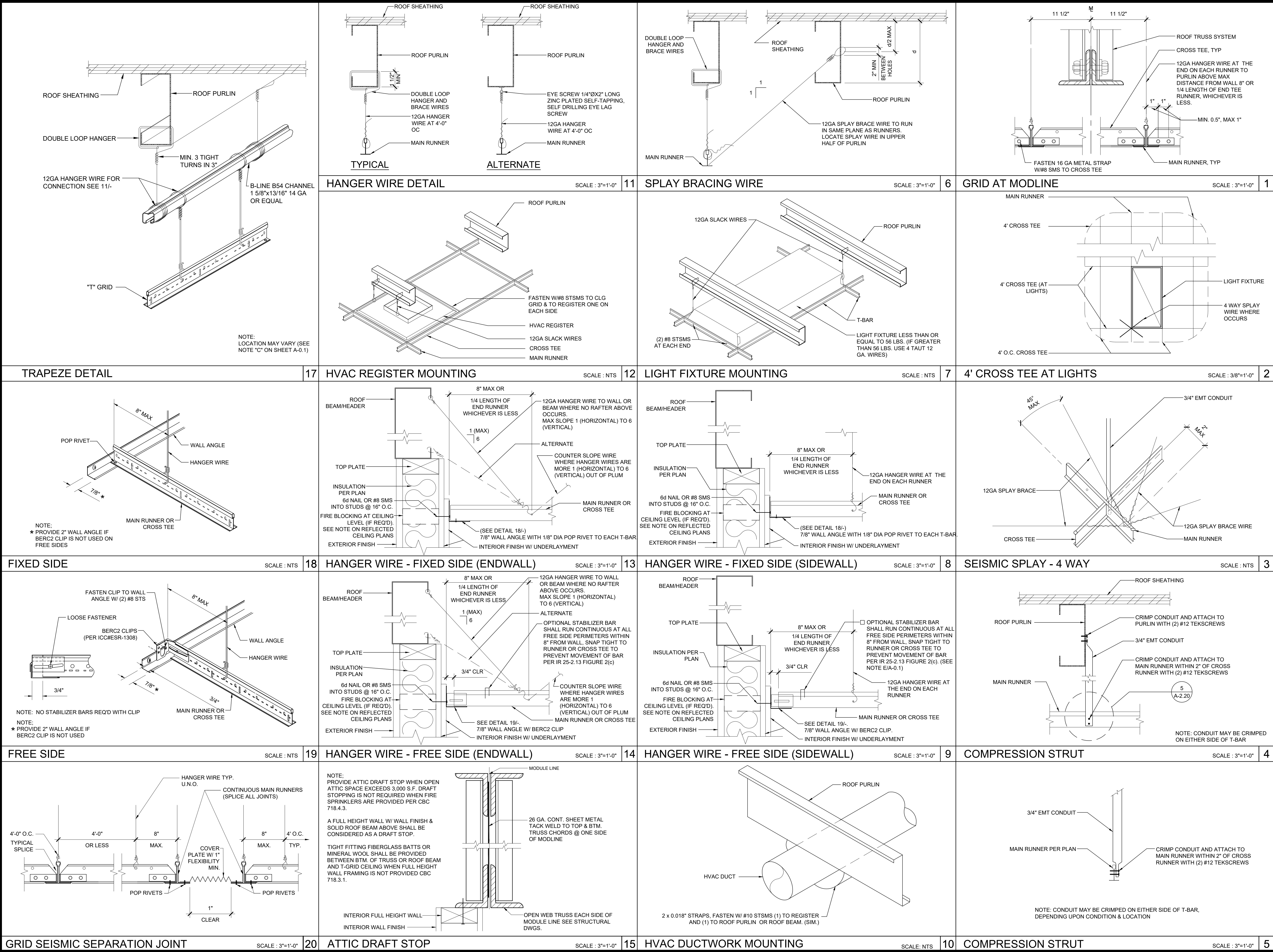


PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	02-27-2023

A-2.03



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



PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

CEILING DETAILS
T-GRID

REVISIONS

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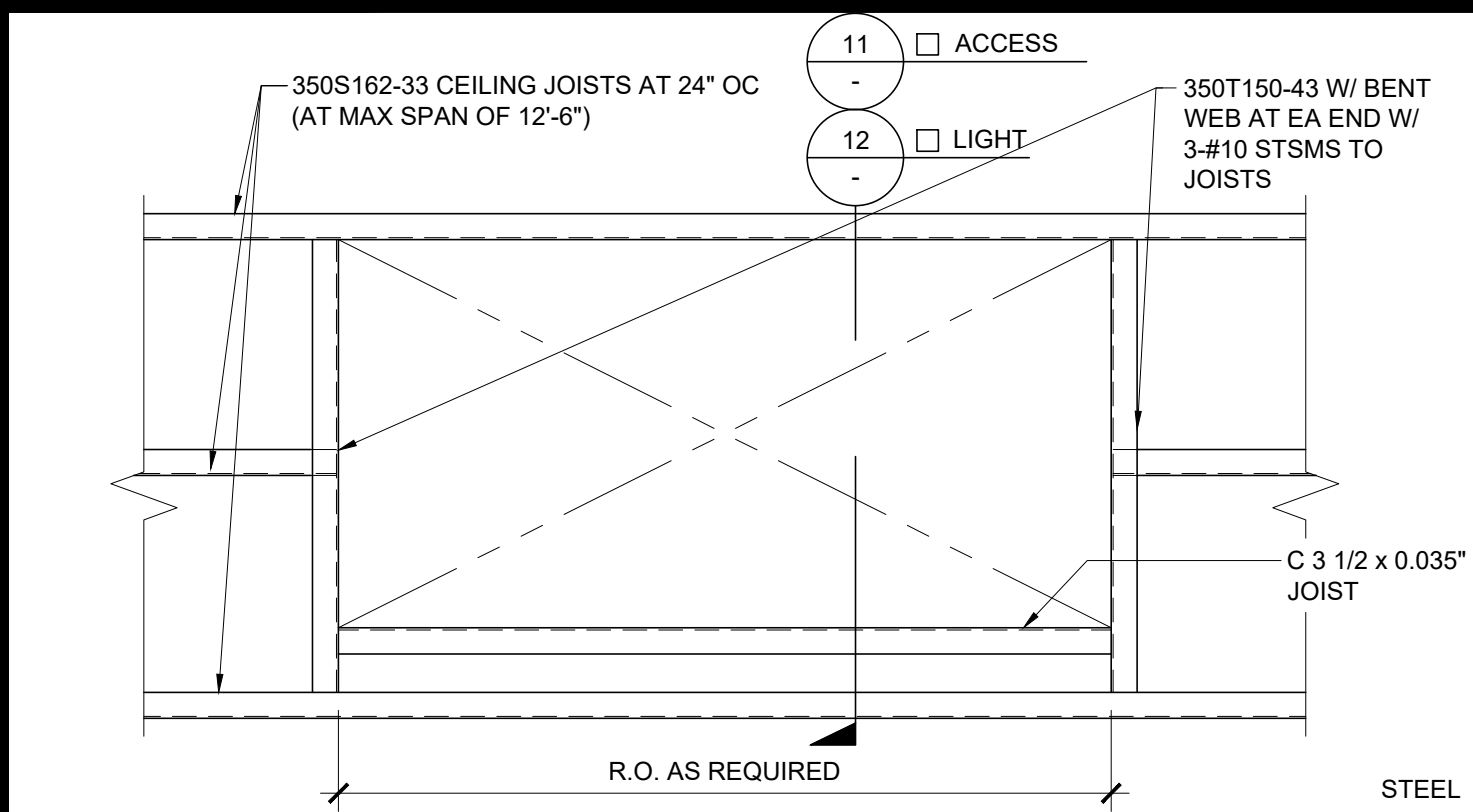
Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

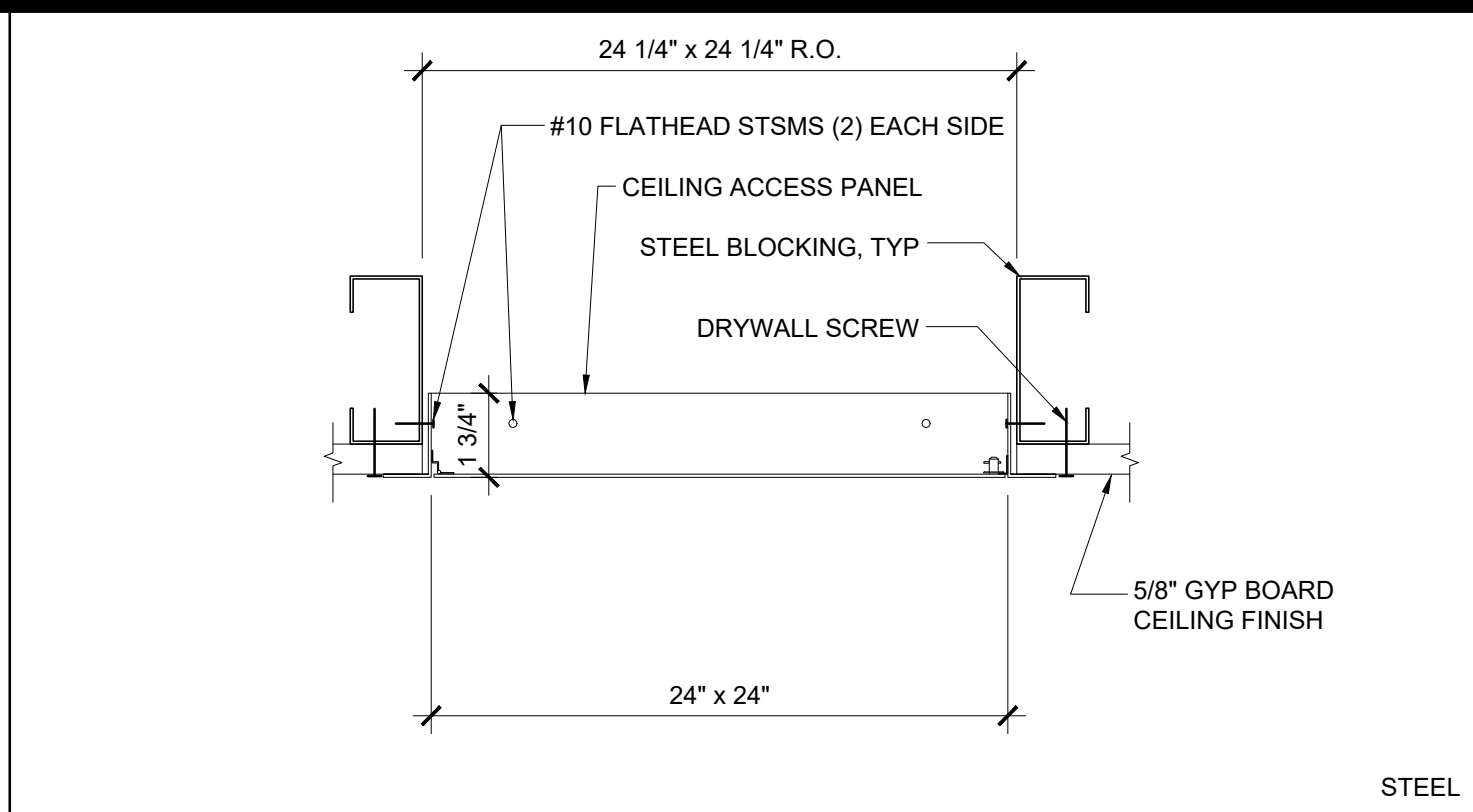
SILVER CREEK INDUSTRIES
24' x 40' PC

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

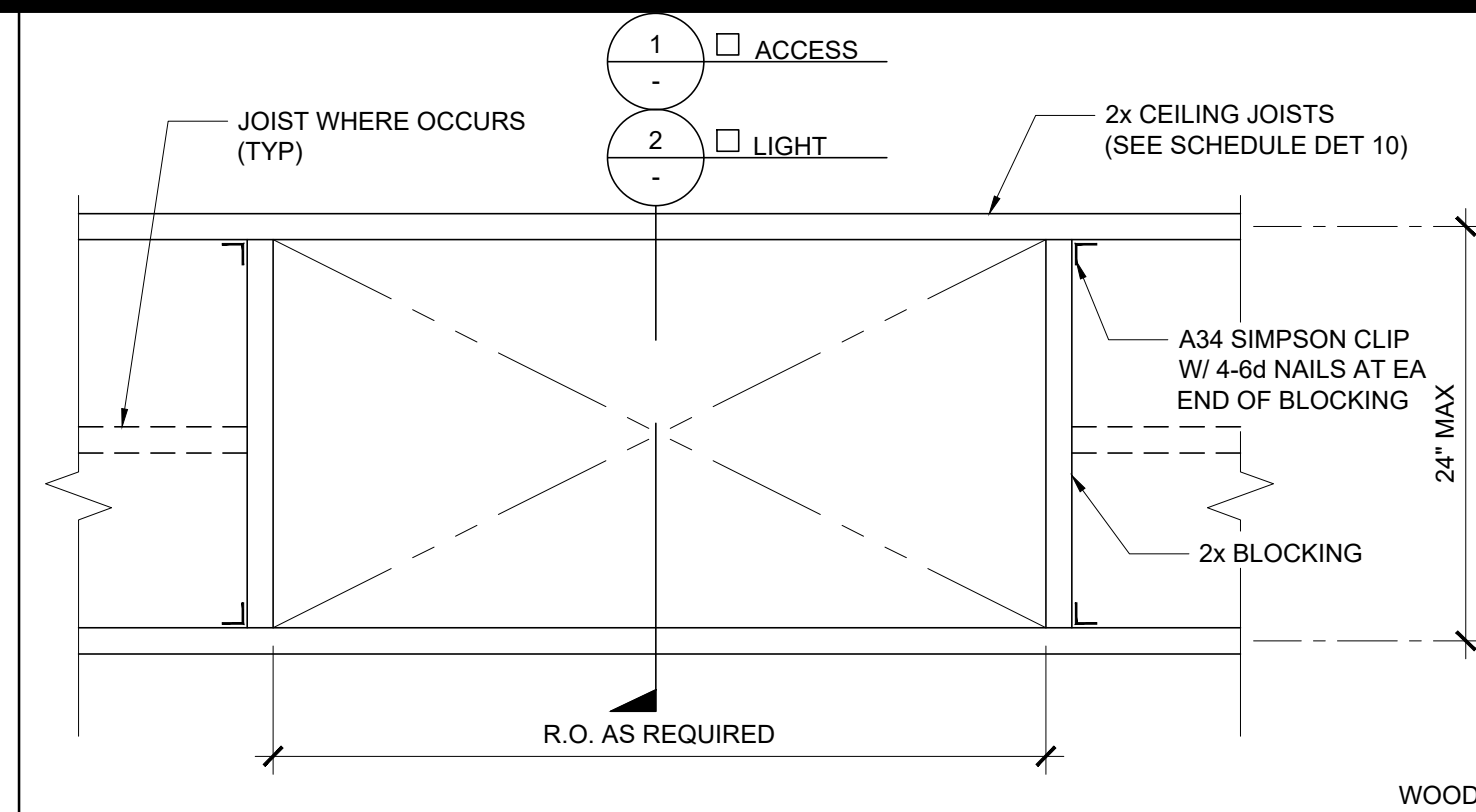
A-2.20



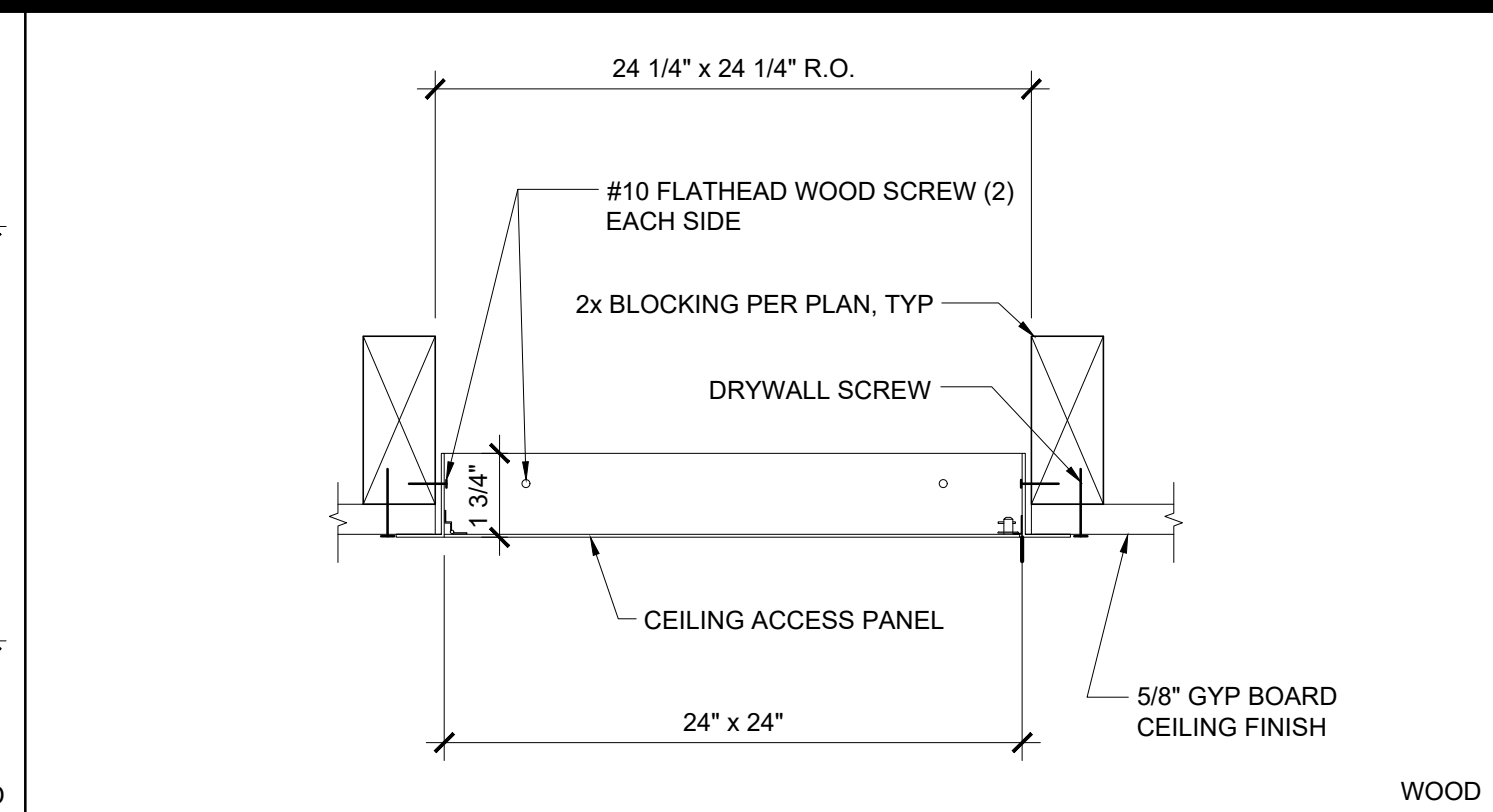
RECESS STEEL CEILING JOIST FRAMING PLAN SCALE : 1" = 1'-0"



CEILING ACCESS PANEL - STEEL SCALE : 3" = 1'-0"



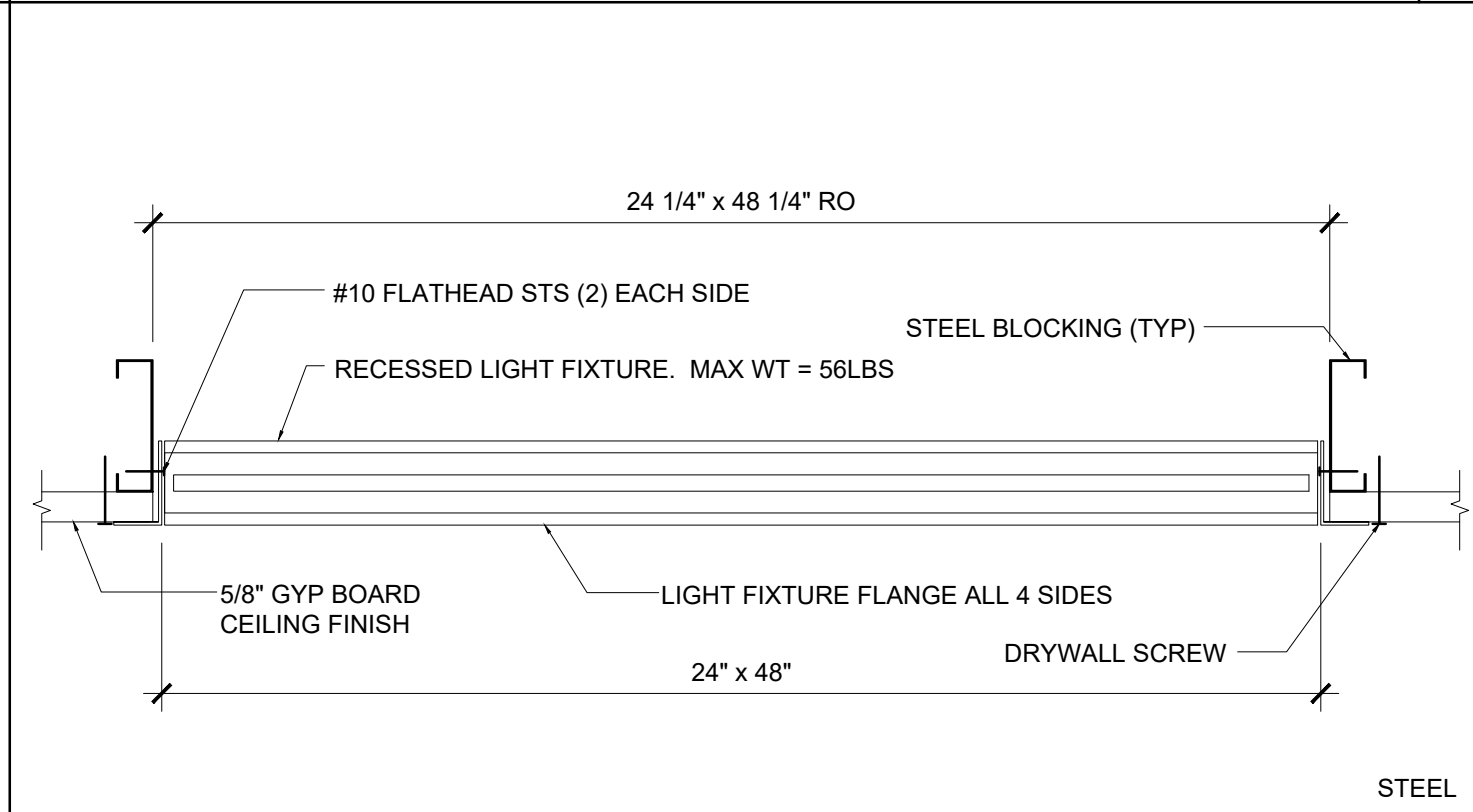
RECESS WOOD CEILING JOIST FRAMING PLAN SCALE : 1" = 1'-0"



CEILING ACCESS PANEL SCALE : 3" = 1'-0"



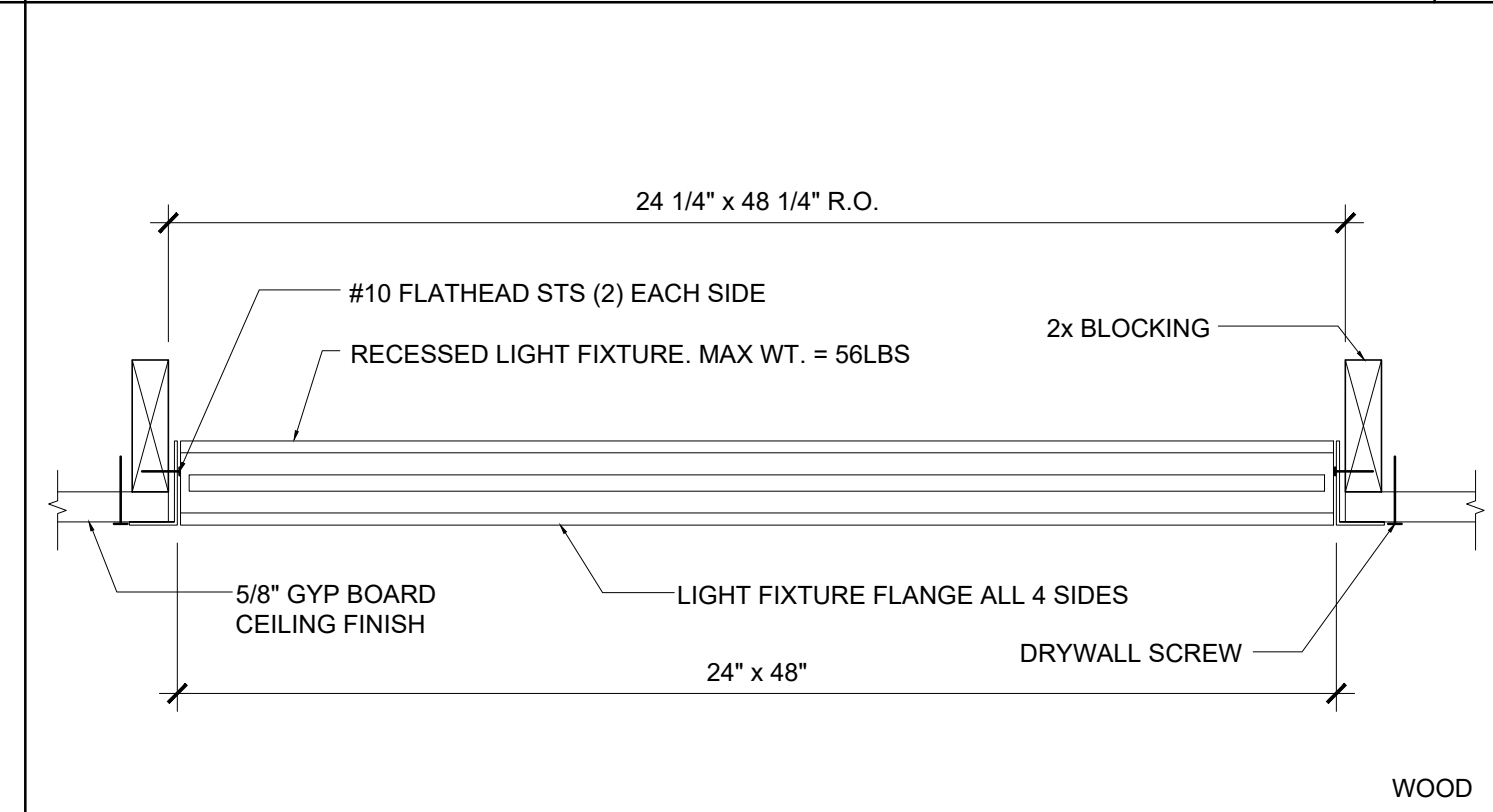
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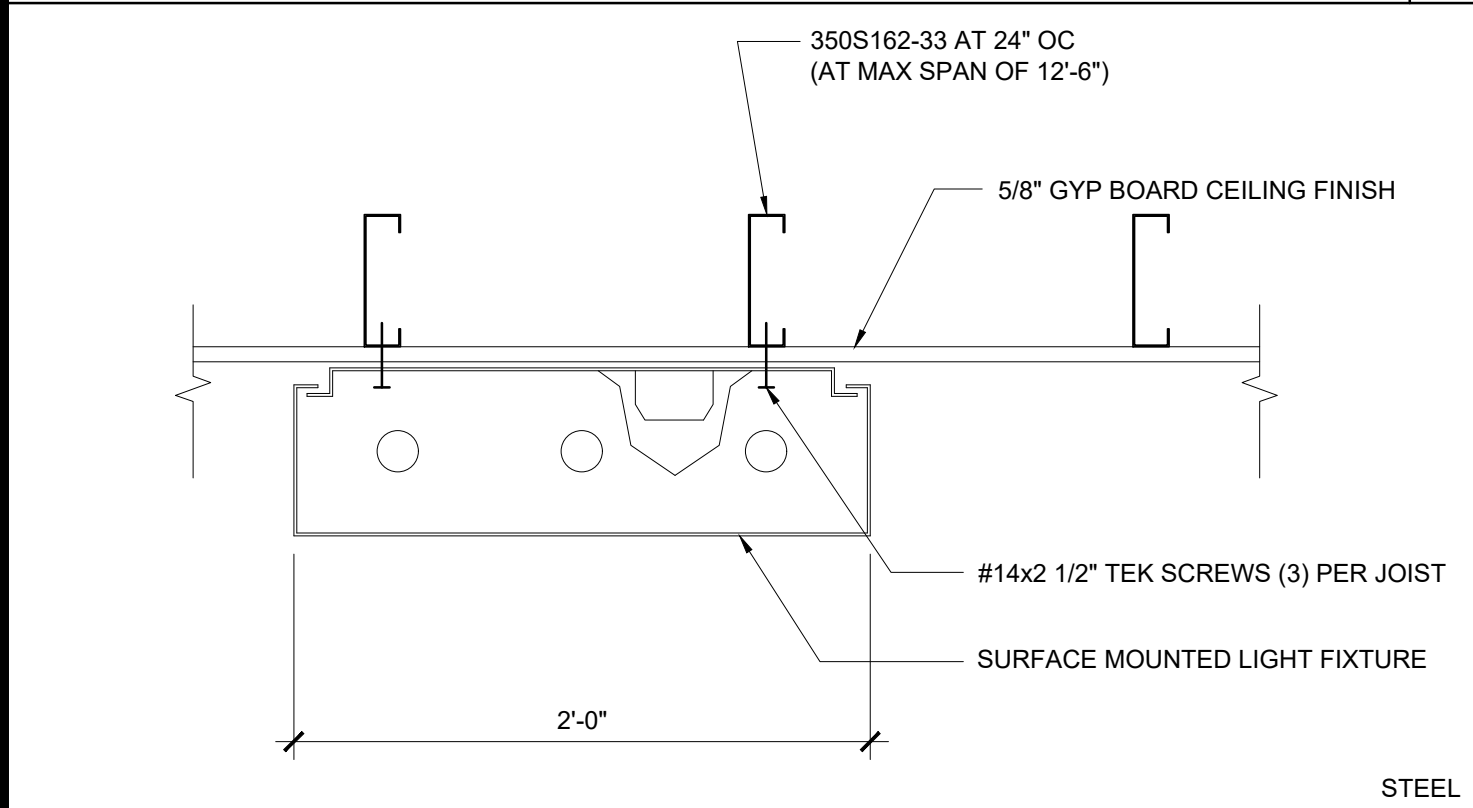
RECESSED LIGHT FIXTURE AT HARD LID SCALE : 1 1/2" = 1'-0"



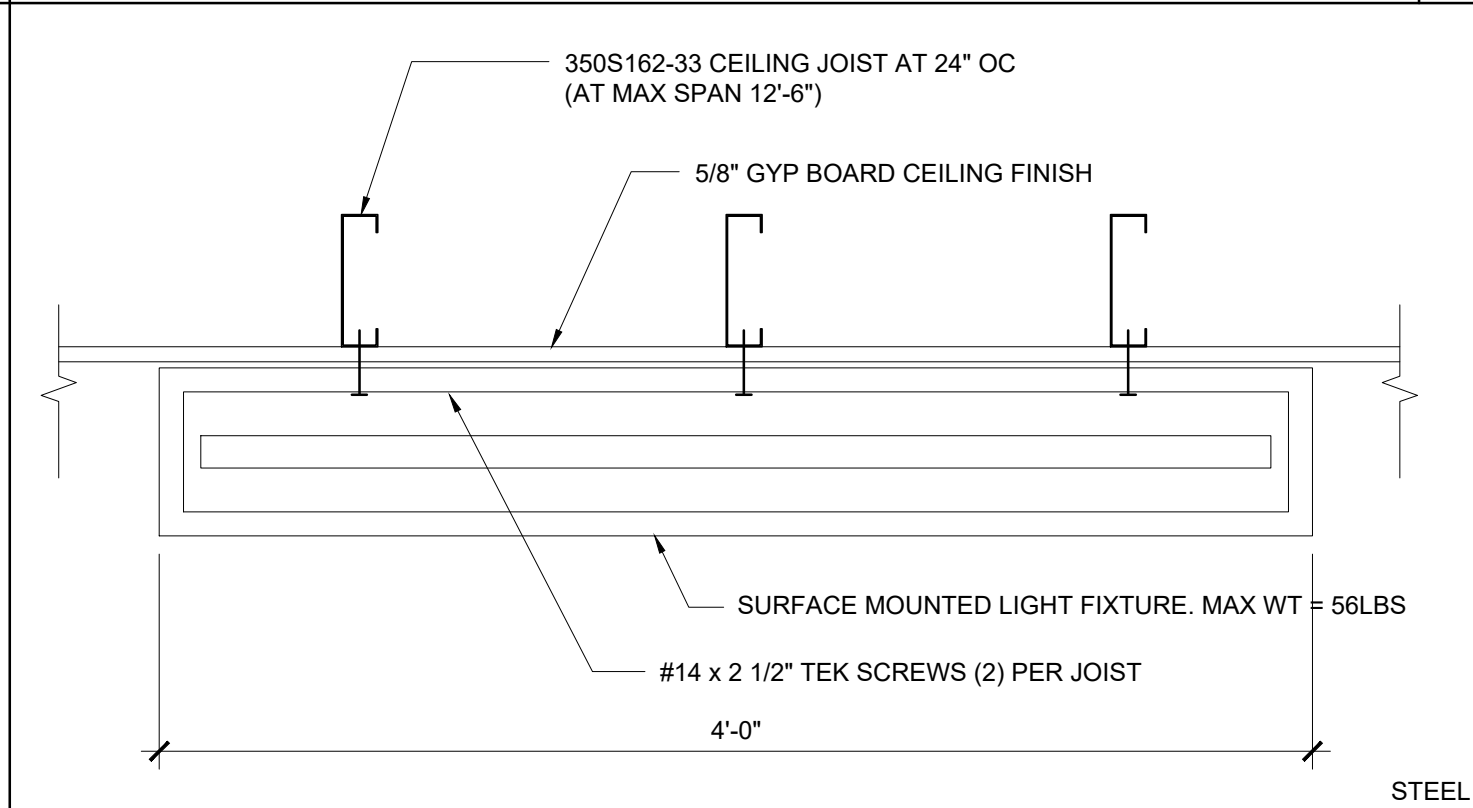
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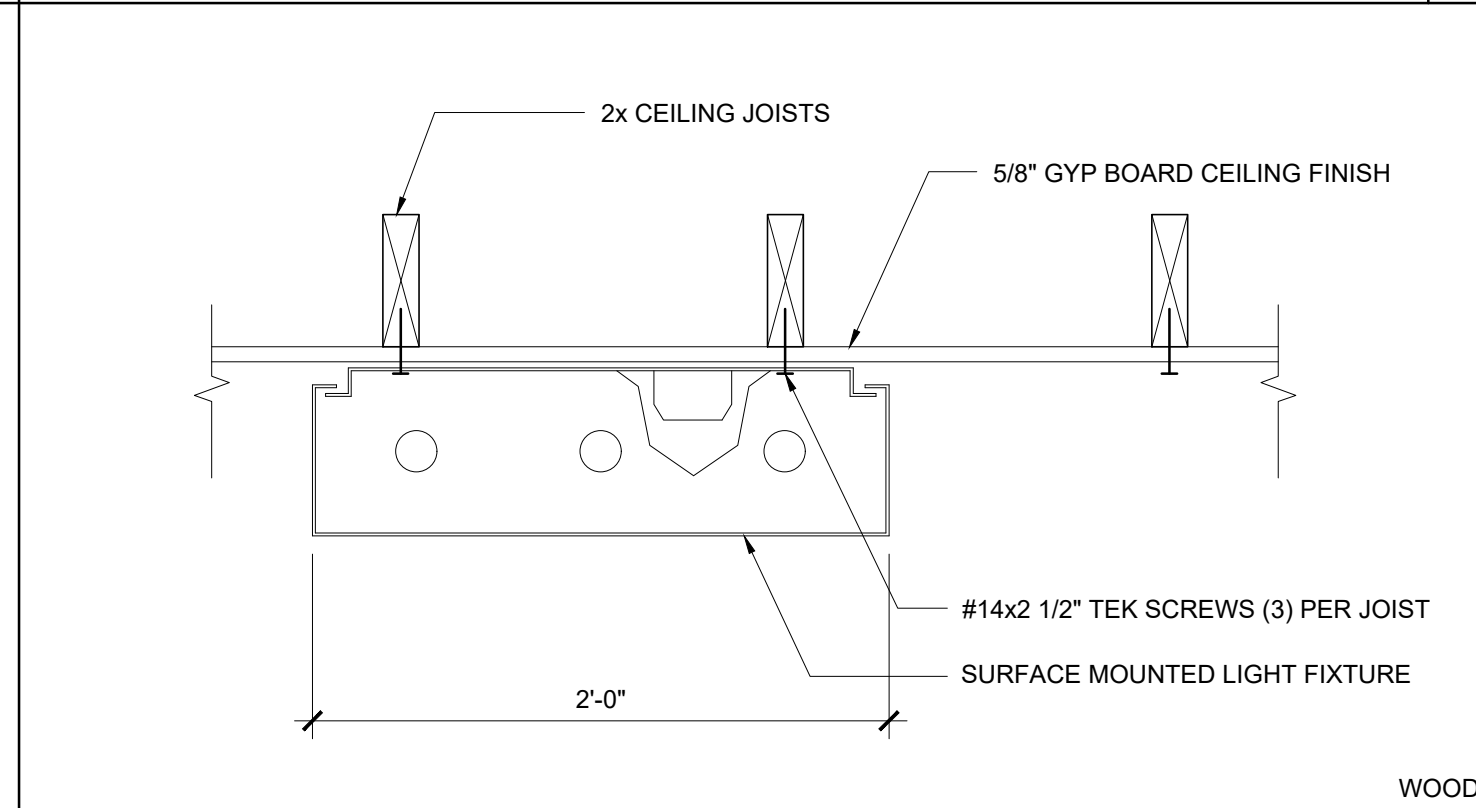
RECESSED LIGHT FIXTURE AT HARD LID SCALE : 1 1/2" = 1'-0"



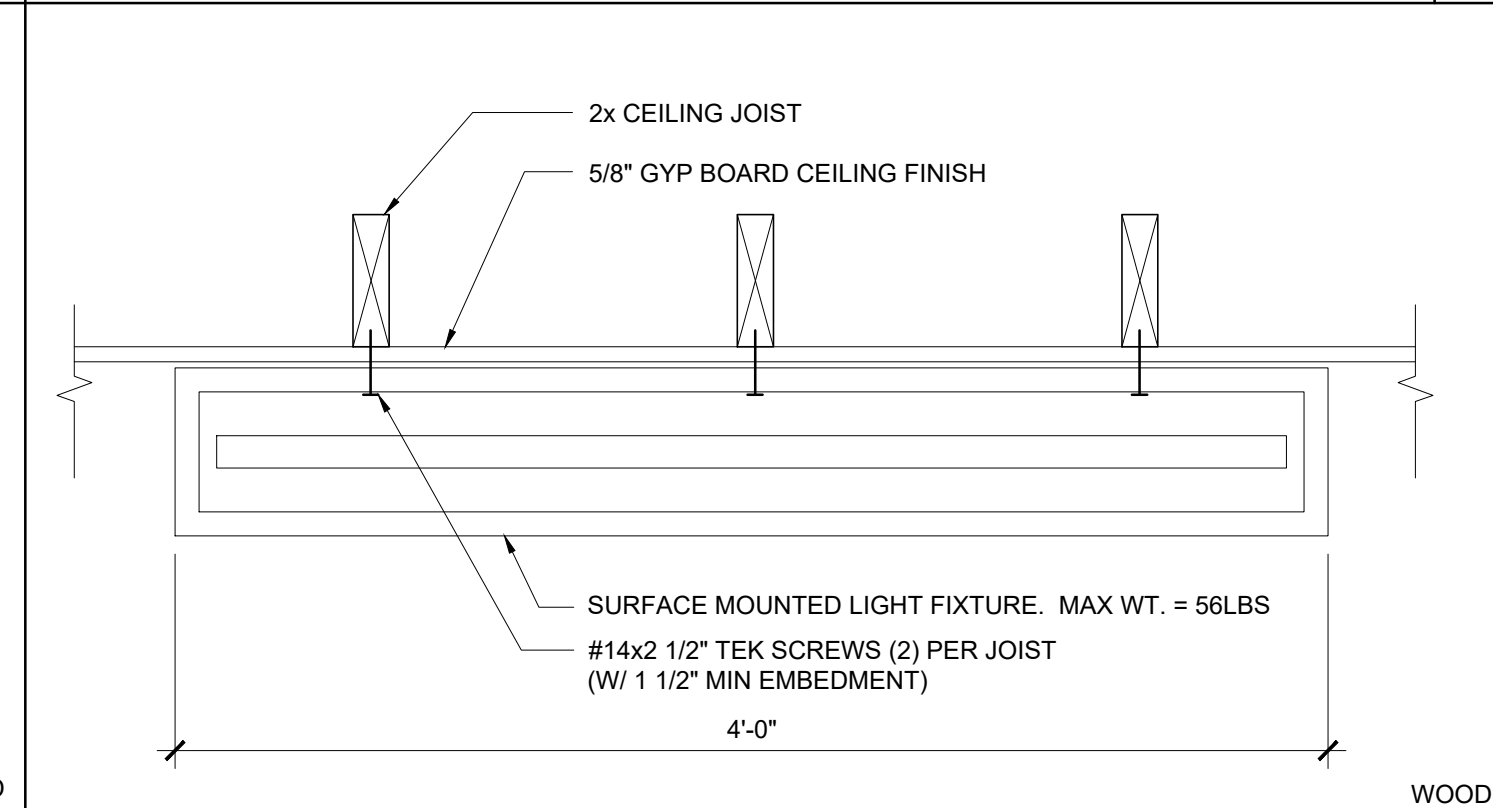
SURFACE MOUNTED LIGHT - PARALLEL JOISTS SCALE : 1 1/2" = 1'-0"



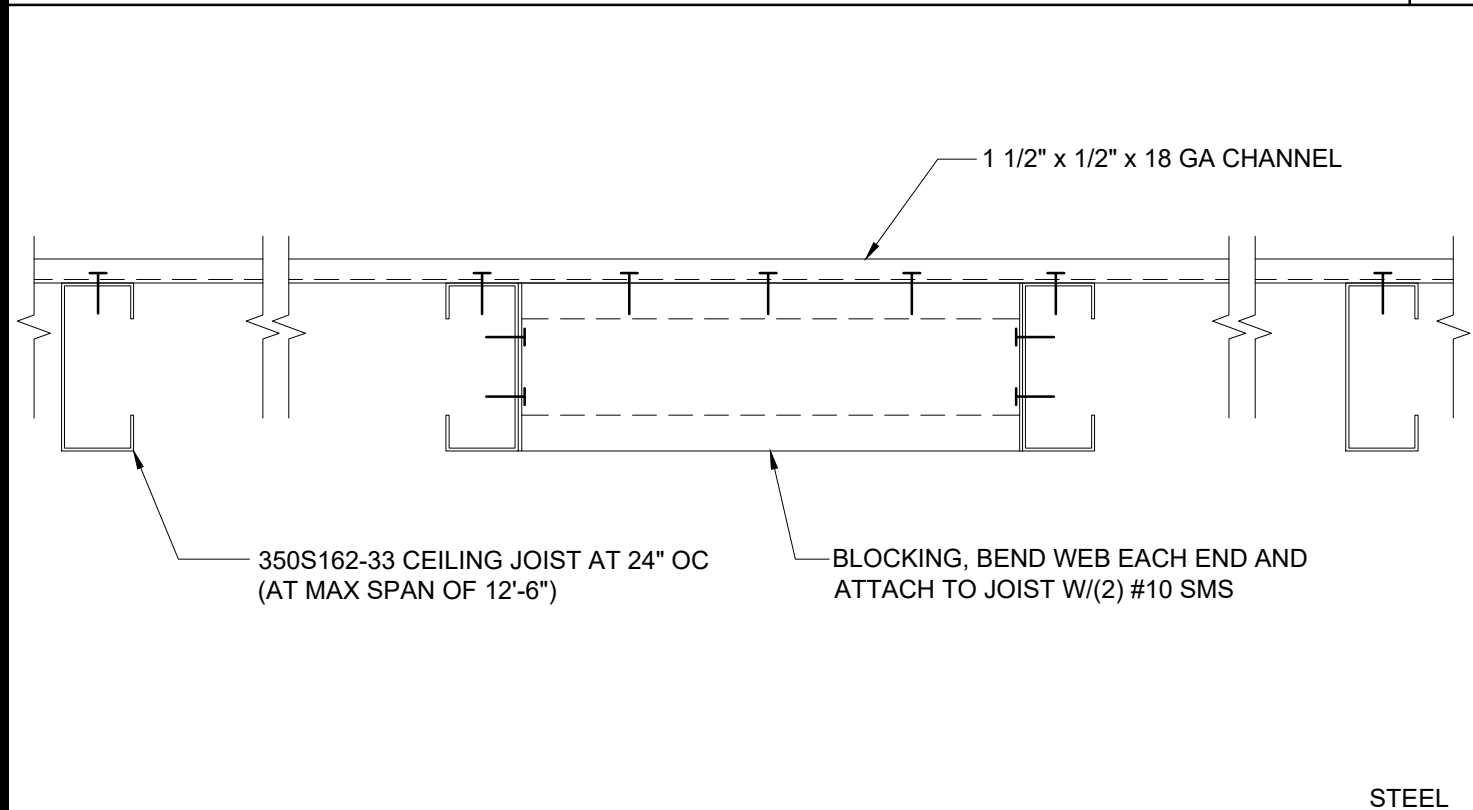
SURFACE MOUNTED LIGHT-PERPENDICULAR JOISTS SCALE : 1 1/2" = 1'-0"



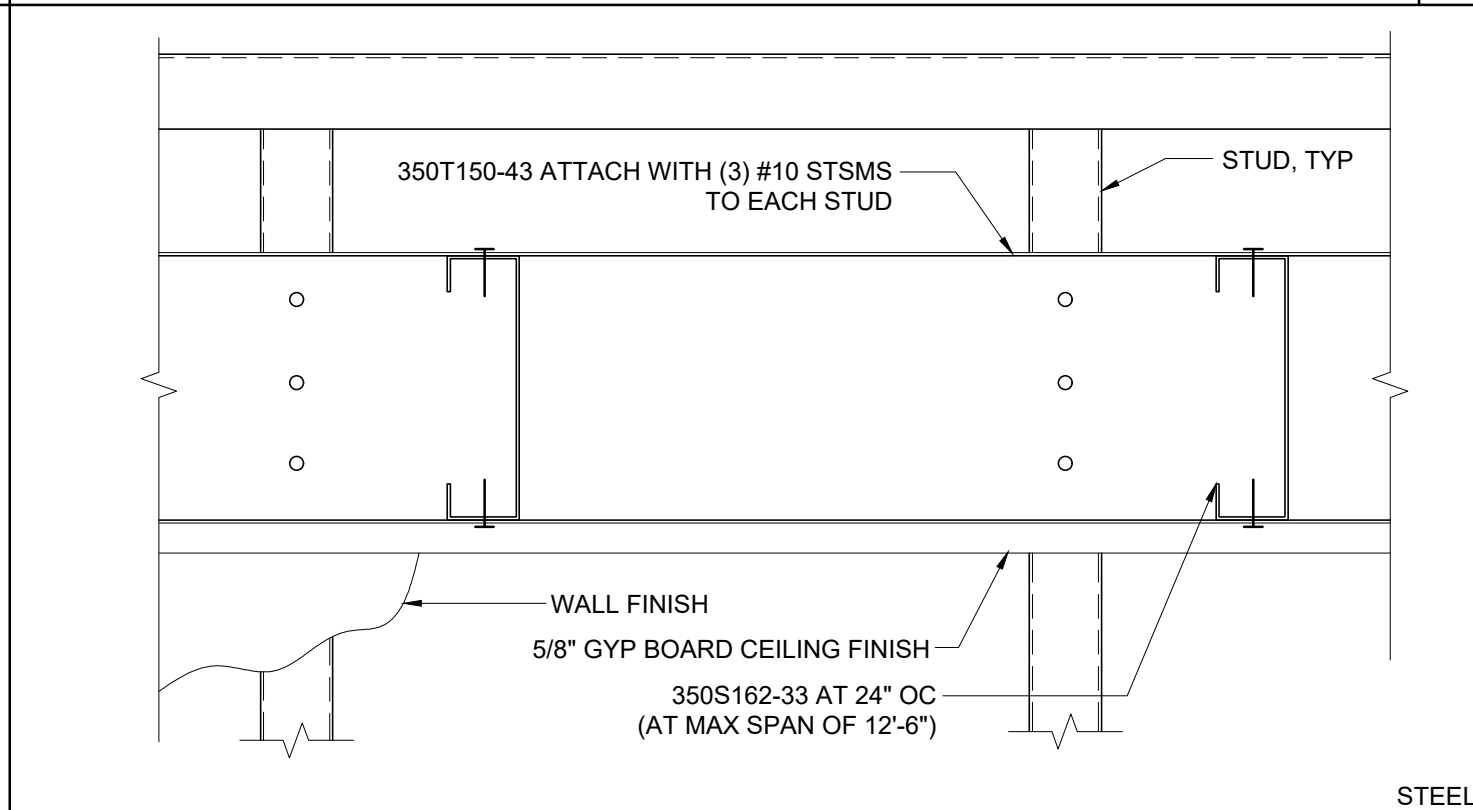
SURFACE MOUNTED LIGHT - PARALLEL JOISTS SCALE : 1 1/2" = 1'-0"



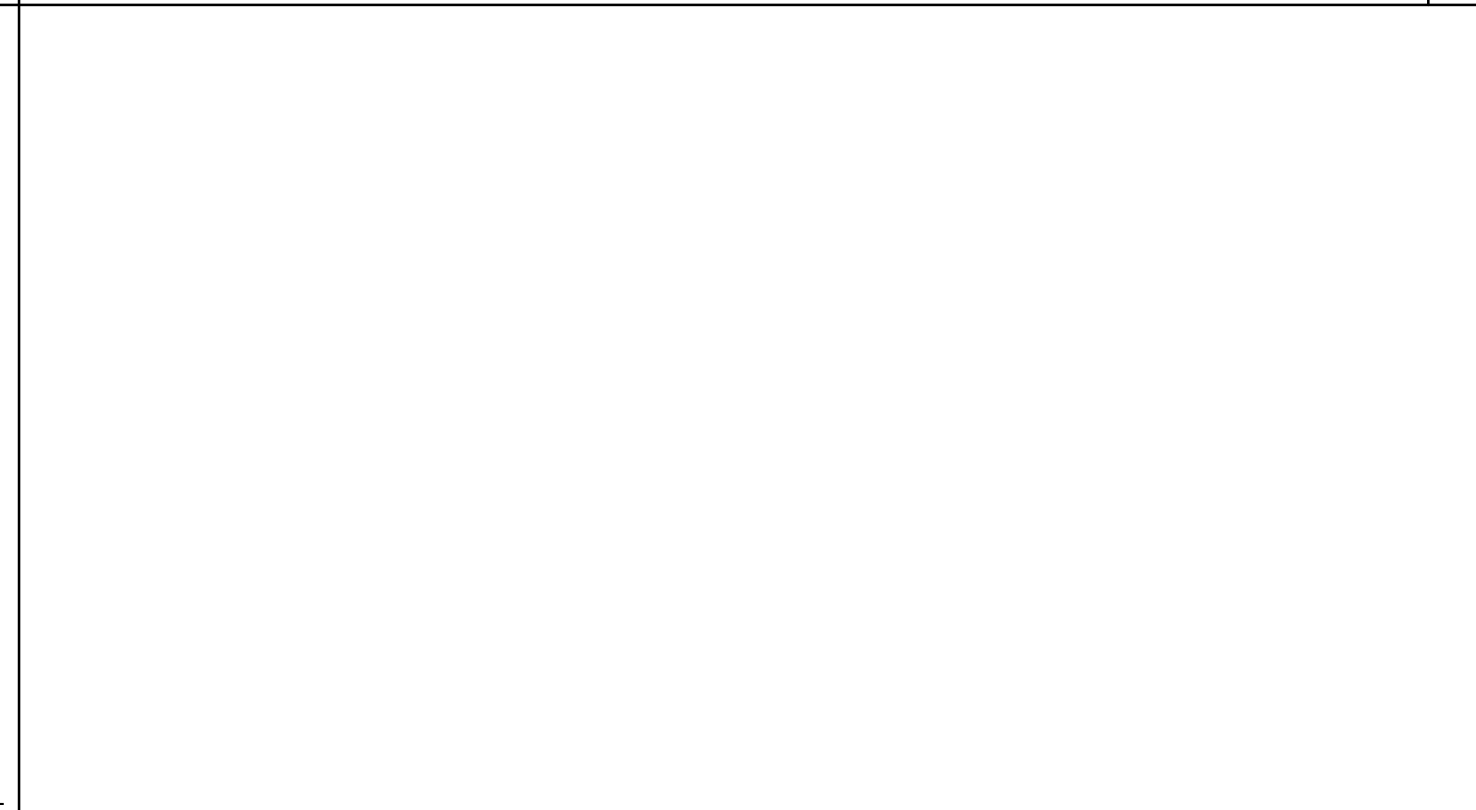
SURFACE MOUNTED LIGHT-PERPENDICULAR JOISTS SCALE : 1 1/2" = 1'-0"



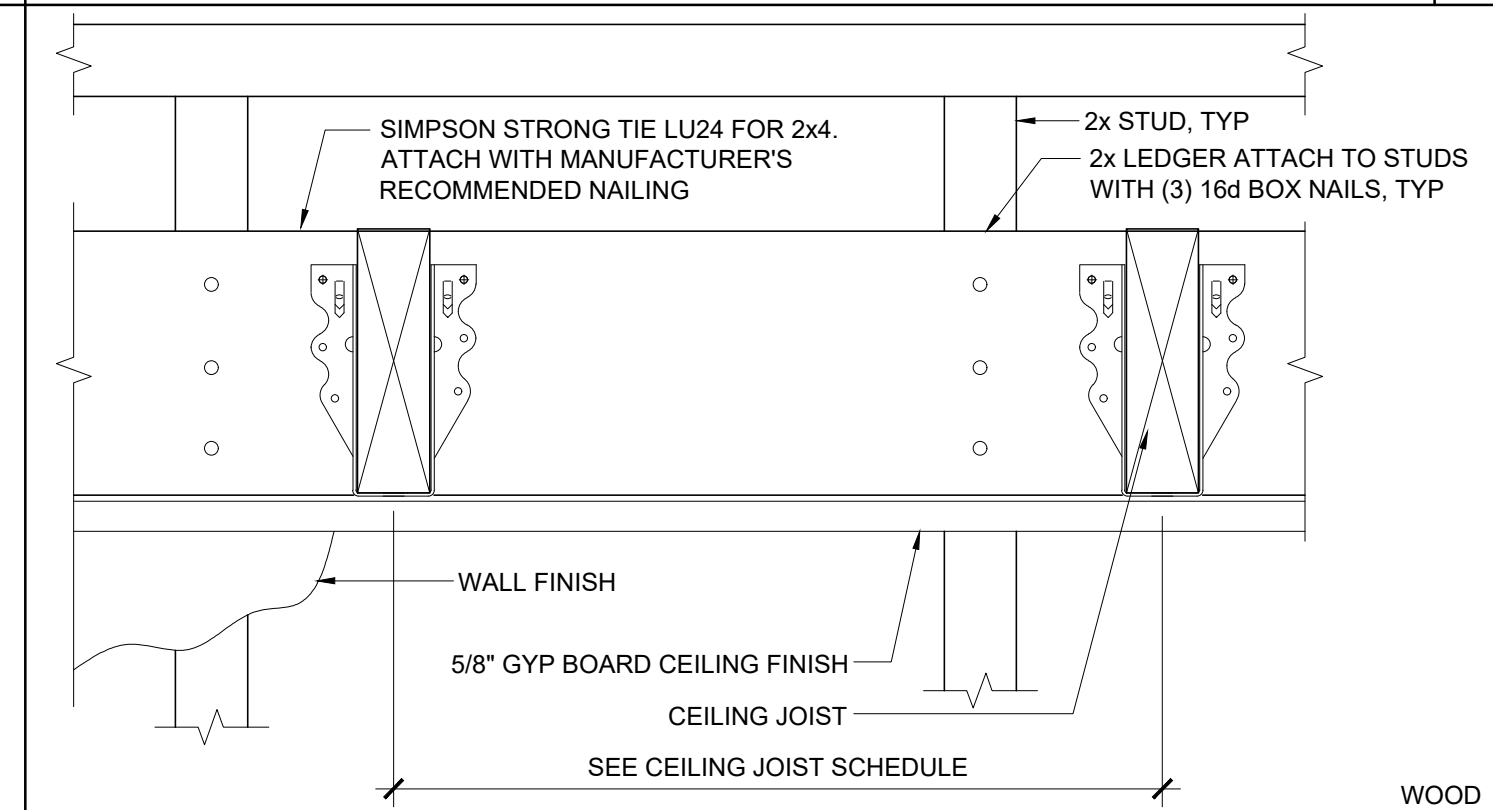
CEILING JOIST BLOCKING - STEEL SCALE : 3" = 1'-0"



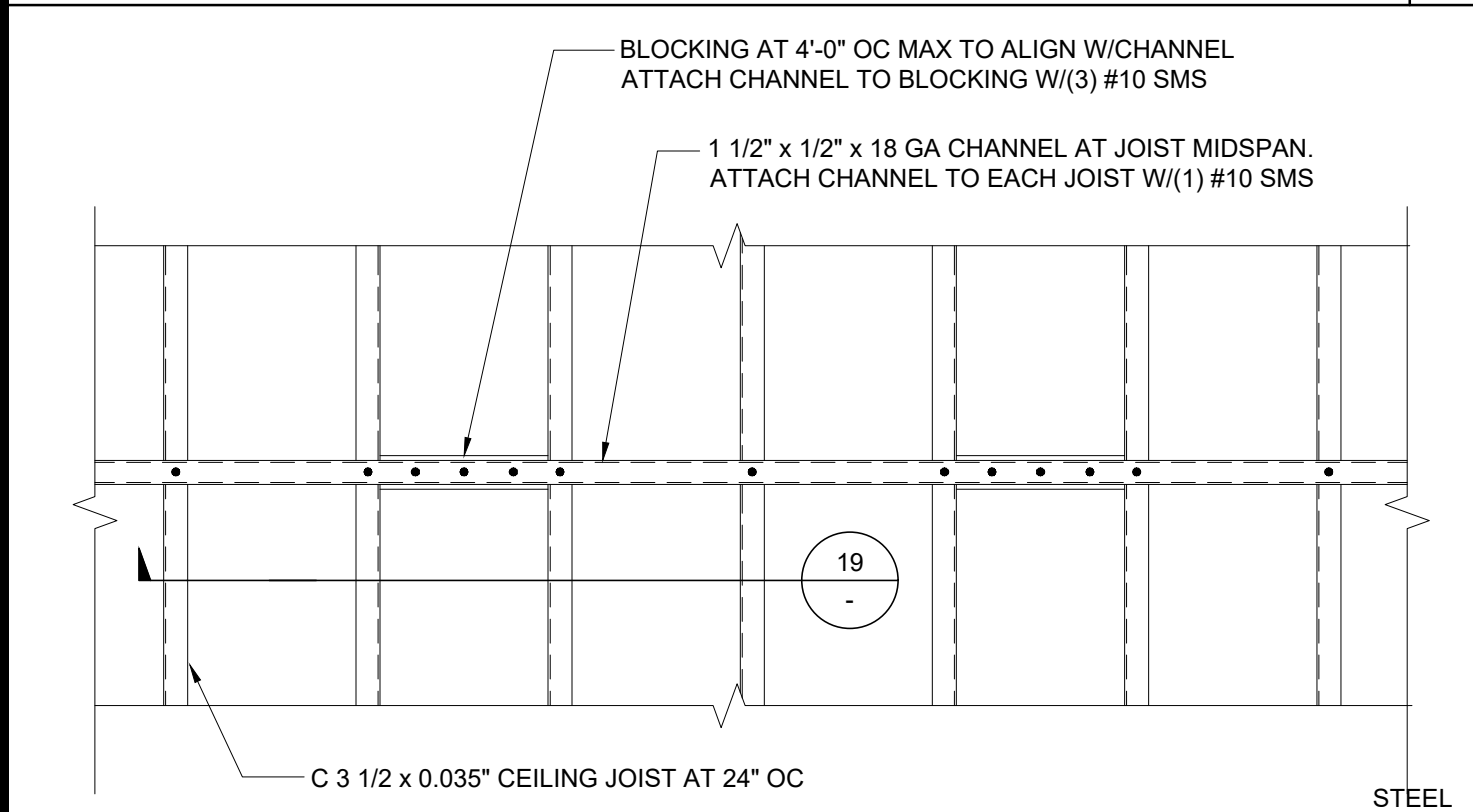
HARD LID CEILING CONNECTION - STEEL SCALE : 3" = 1'-0"



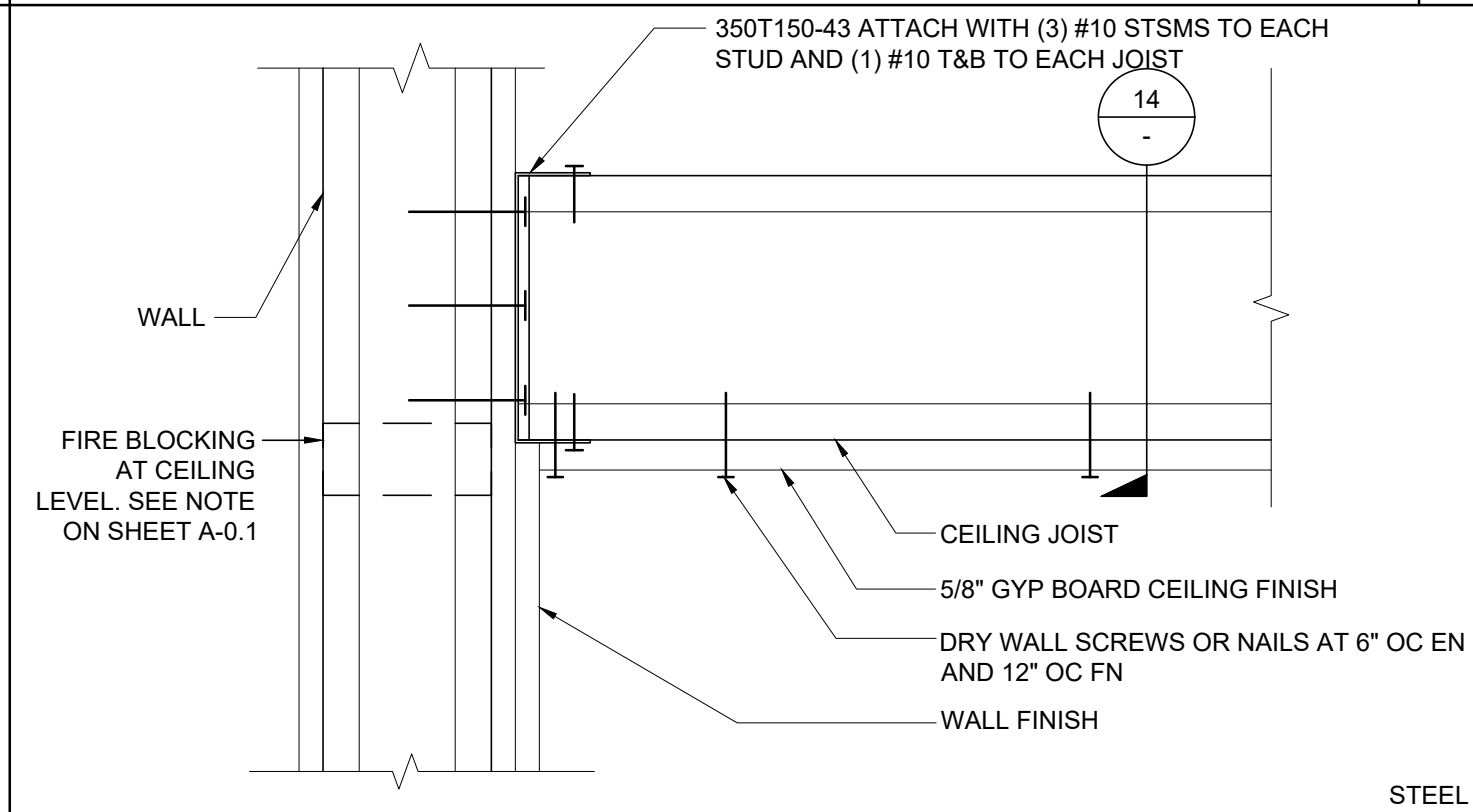
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HARD LID CEILING CONNECTION SCALE : 3" = 1'-0"



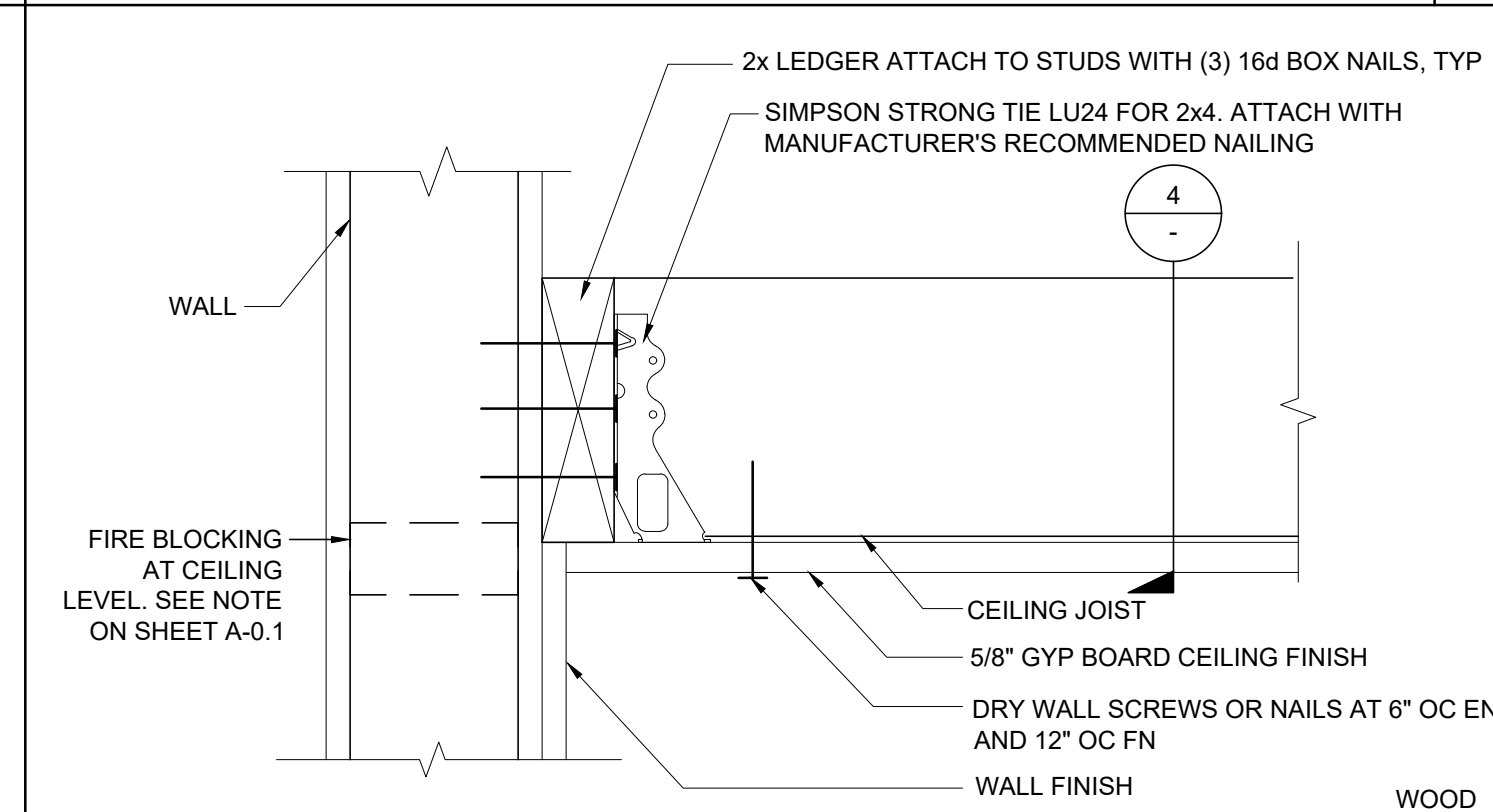
CEILING JOIST BLOCKING - STEEL SCALE : 1" = 1'-0"



HARD LID CEILING CONNECTION STEEL SCALE : 3" = 1'-0"

2X4 JOIST TABLE - MAX SPAN					
SPACING	HEMFIR STUD	HEMFIR NO 2	HEMFIR NO 1	DFL STUD	DFL NO. 2
12" OC	11' - 3"	11' - 7"	12' - 2"	11' - 10"	12' - 5"
16" OC	10' - 3"	10' - 6"	11' - 0"	10' - 9"	11' - 3"
24" OC	8' - 11"	9' - 2"	9' - 8"	9' - 5"	9' - 10"

WOOD CEILING JOIST SCHEDULE SCALE : NTS



HARD LID CEILING CONNECTION SCALE : 3" = 1'-0"

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

CEILING DETAILS
HARD LID

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

REGISTERED PROFESSIONAL ENGINEER
JOHN W. STARNUM, ENGR
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

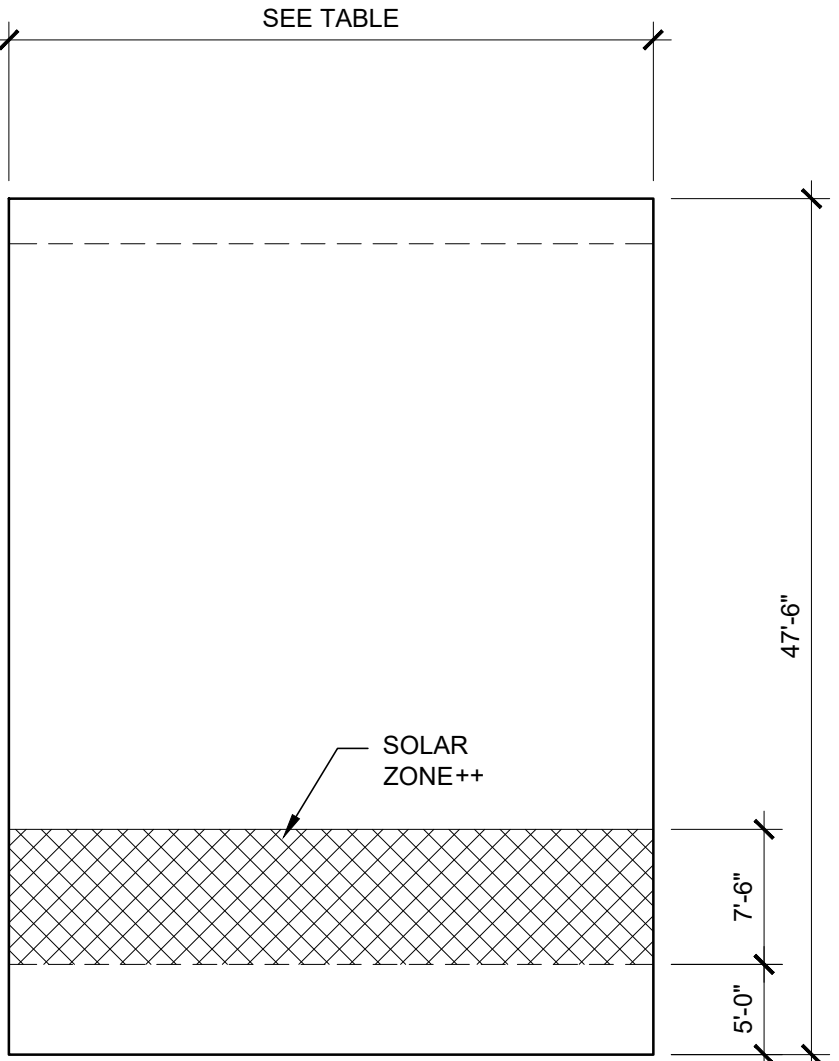
P.C. SHEET NUMBER

A-2.21

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

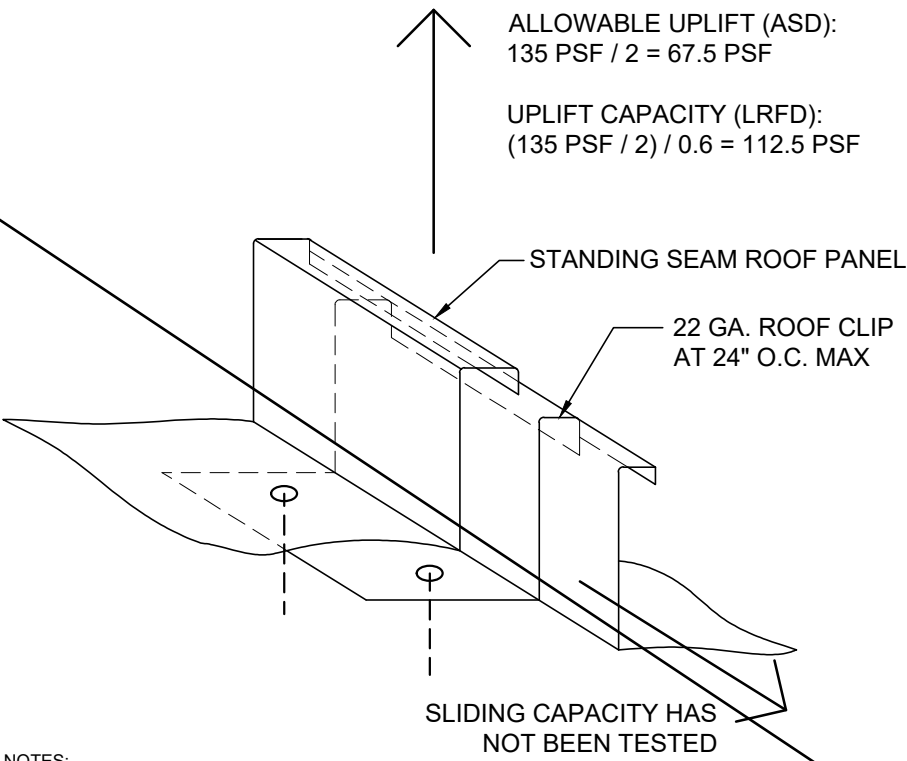
SOLAR ZONE



KEYPLAN

BUILDING SIZE	REQUIRED SOLAR ZONE	PROVIDED SOLAR ZONE
24'-0" x 40'-0"	172 SF	178 SF
36'-0" x 40'-0"	258 SF	267 SF
48'-0" x 40'-0"	344 SF	356 SF
60'-0" x 40'-0"	430 SF	445 SF
72'-0" x 40'-0"	516 SF	534 SF
84'-0" x 40'-0"	602 SF	623 SF
96'-0" x 40'-0"	688 SF	712 SF
108'-0" x 40'-0"	774 SF	801 SF
120'-0" x 40'-0"	860 SF	890 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).
- TEST REPORT: T1 RADCO (RADCO, A TWINING COMPANY) REPORT # 216037-1A DATE: 6.22.2021
- 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 IN 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).

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

ROOF PLAN
24'x40' - METAL DECK
MONO OR DUAL SLOPE

REVISIONS

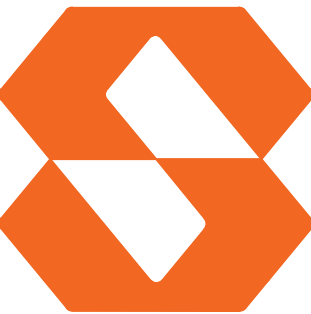
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PC STATE AGENCY APPROVAL



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

ROOF PLAN - METAL DECK - DUAL SLOPE

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

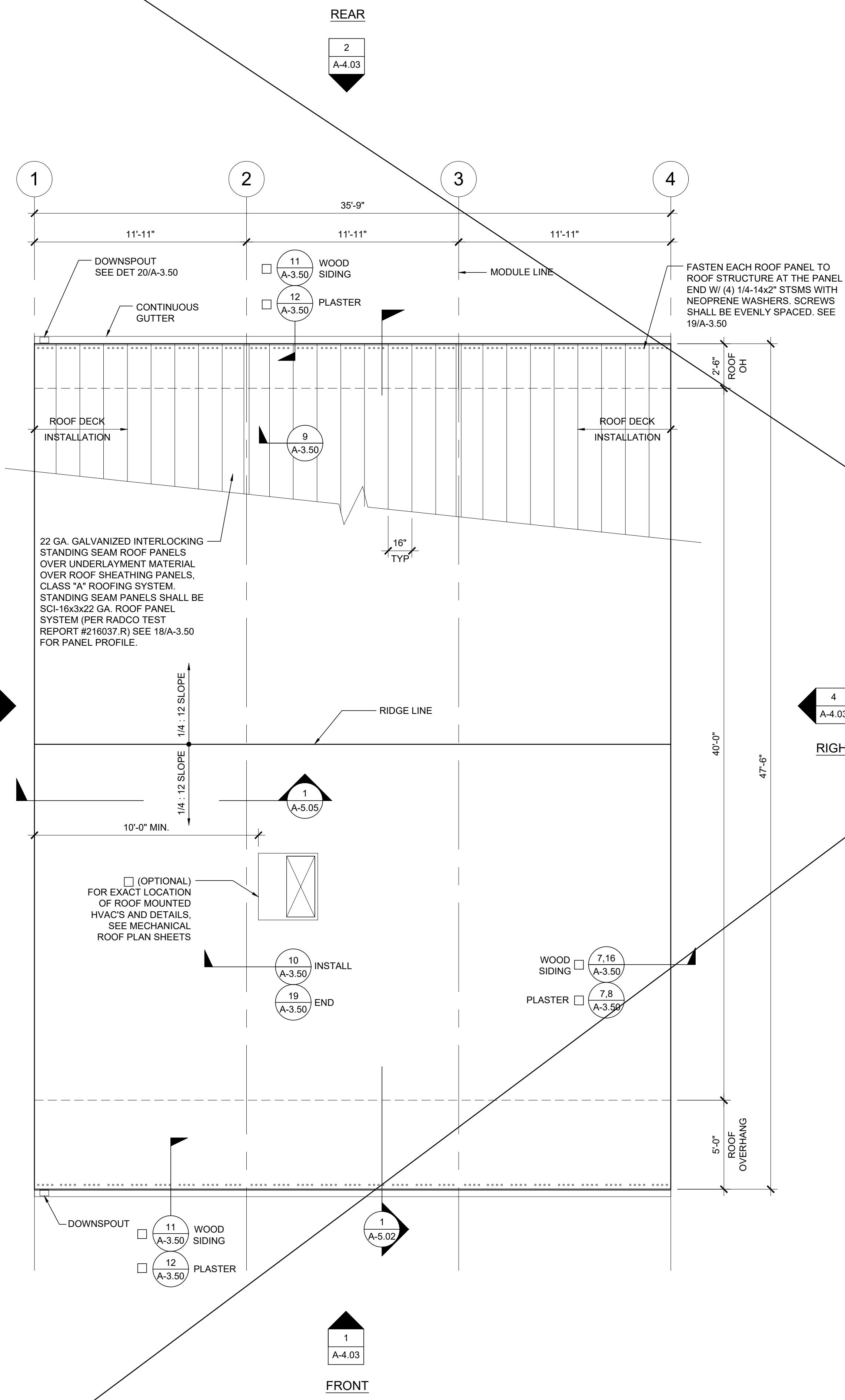
ROOF PLAN - METAL DECK - MONO SLOPE

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

ROOF SYSTEM CAPACITY

SCALE: NTS

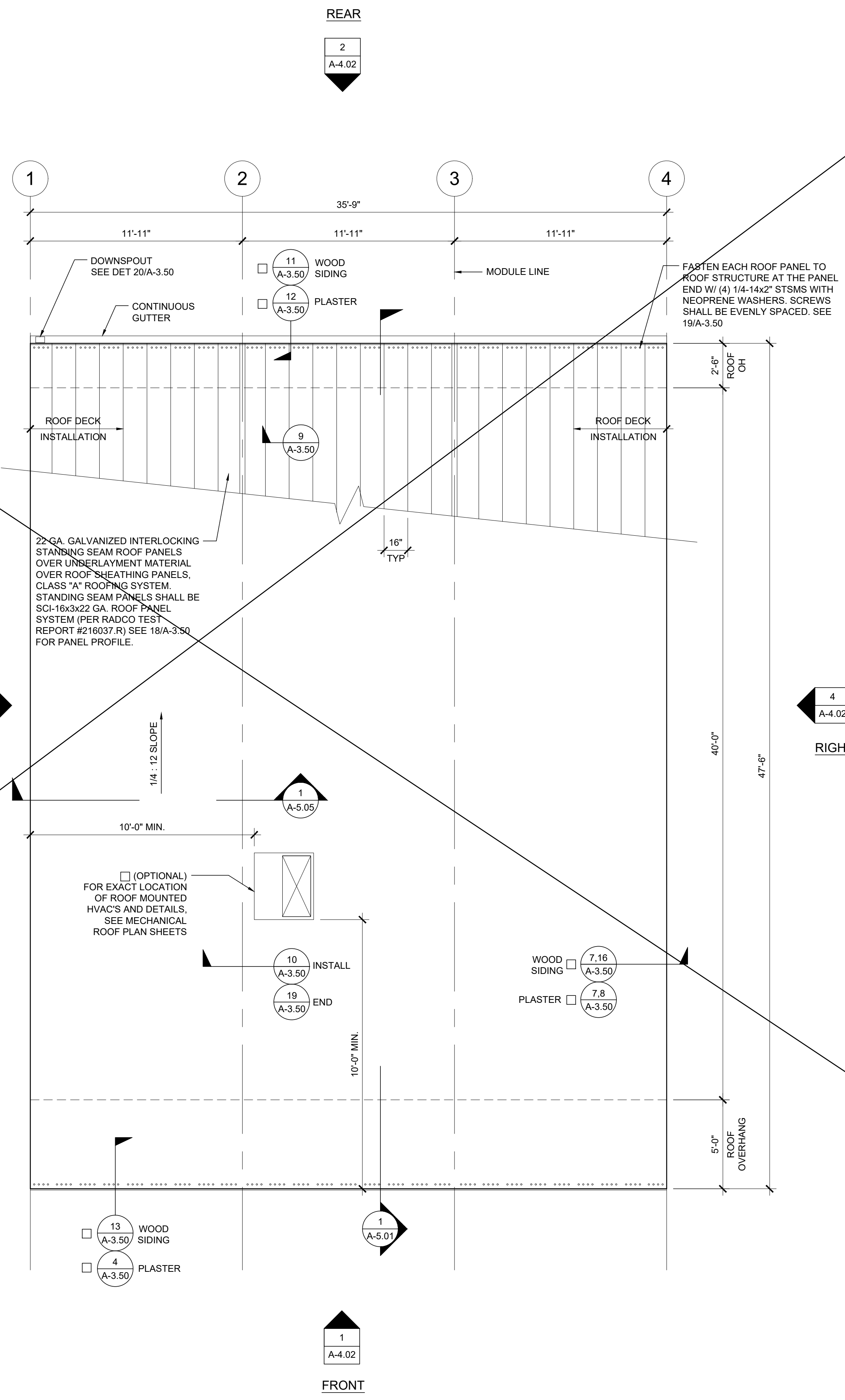
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ROOF PLAN - METAL DECK - DUAL SLOPE

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

2



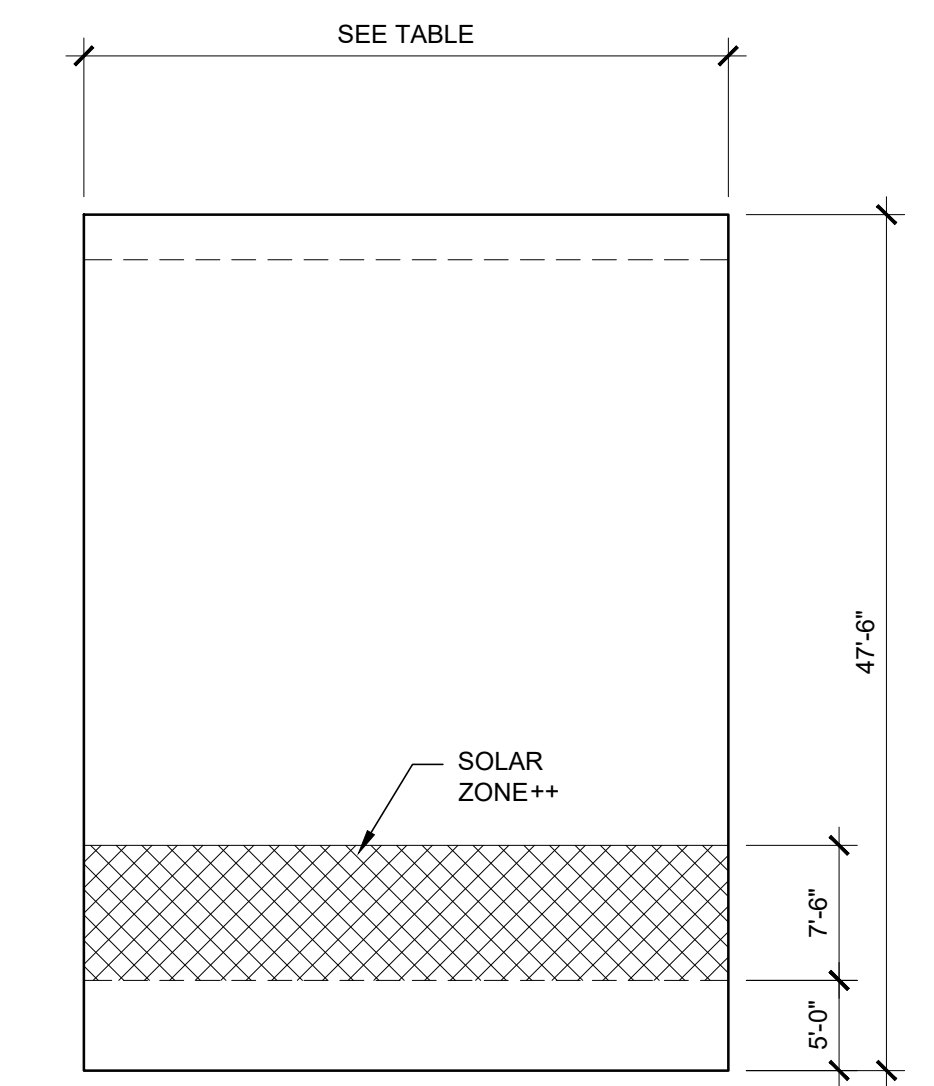
ROOF PLAN - METAL DECK - MONO SLOPE

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

1

- 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.
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 - SEE DETAIL "A" (THIS SHEET) FOR ROOF SYSTEM UPLIFT CAPACITY

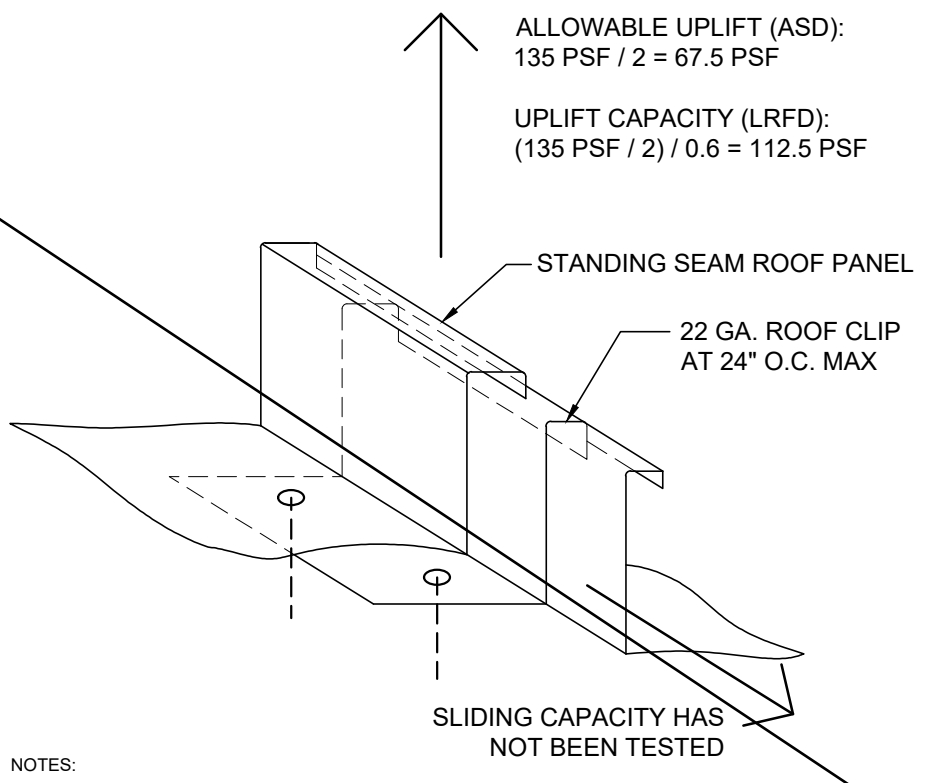
SOLAR ZONE



KEYPLAN

BUILDING SIZE	REQUIRED SOLAR ZONE	PROVIDED SOLAR ZONE
24'-0" x 40'-0"	172 SF	178 SF
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ROOF AREA PER MODULE	= 567 SF	
REQUIRED SOLAR ZONE	= 86 SF	
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++ NOTE: ACTUAL SOLAR ZONE LOCATION AND SIZE MAY VARY. MINIMUM ZONE AREA SHALL BE PER THE TABLE ABOVE.



- NOTES:**
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 - TEST REPORT: T1 RADCO (RADCO, A TWINING COMPANY) REPORT # 216037.R DATE: 6.22.2021
 - THE ULTIMATE LOAD DETERMINED BY TESTING = 135 PSF. A SAFETY FACTOR OF 2.0 HAS BEEN USED IN CALCULATING THE ALLOWABLE VALUES.
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 - 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

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

ROOF PLAN
36' x 40' - METAL DECK
MONO OR DUAL SLOPE

REVISIONS

NO.	DESCRIPTION
1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
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MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

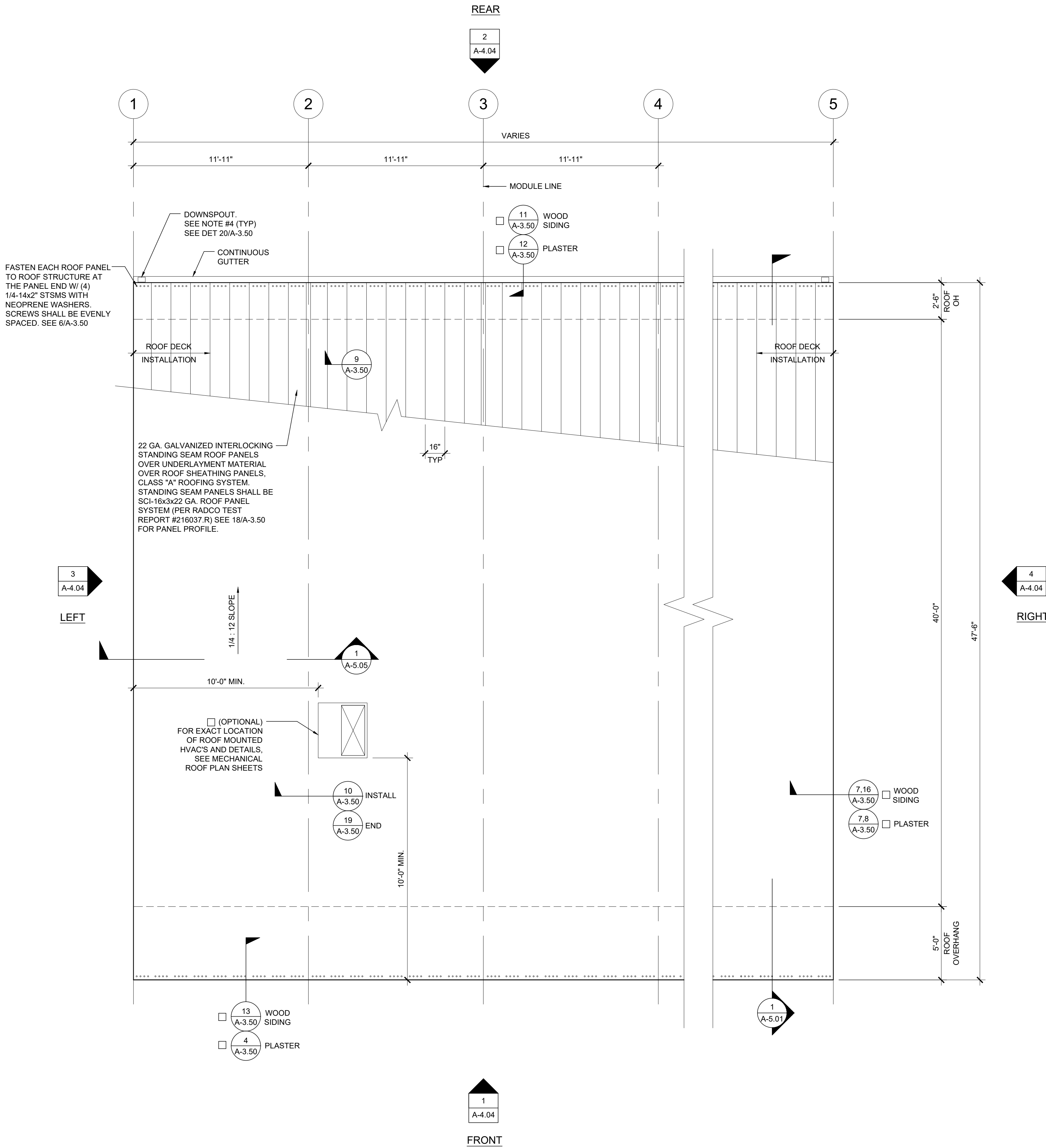
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

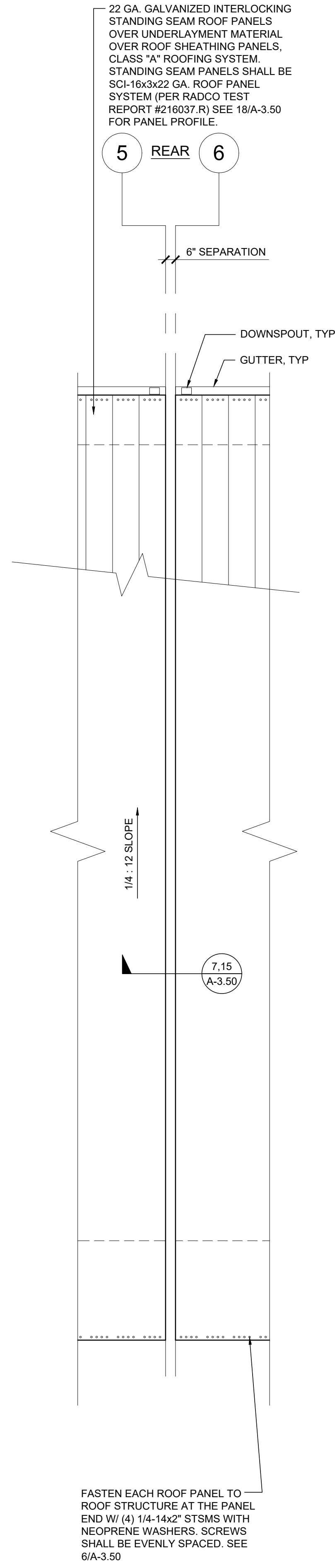
A-3.02



ROOF PLAN - METAL DECK - MONO SLOPE

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

2



ROOF SEP. PLAN OPTION

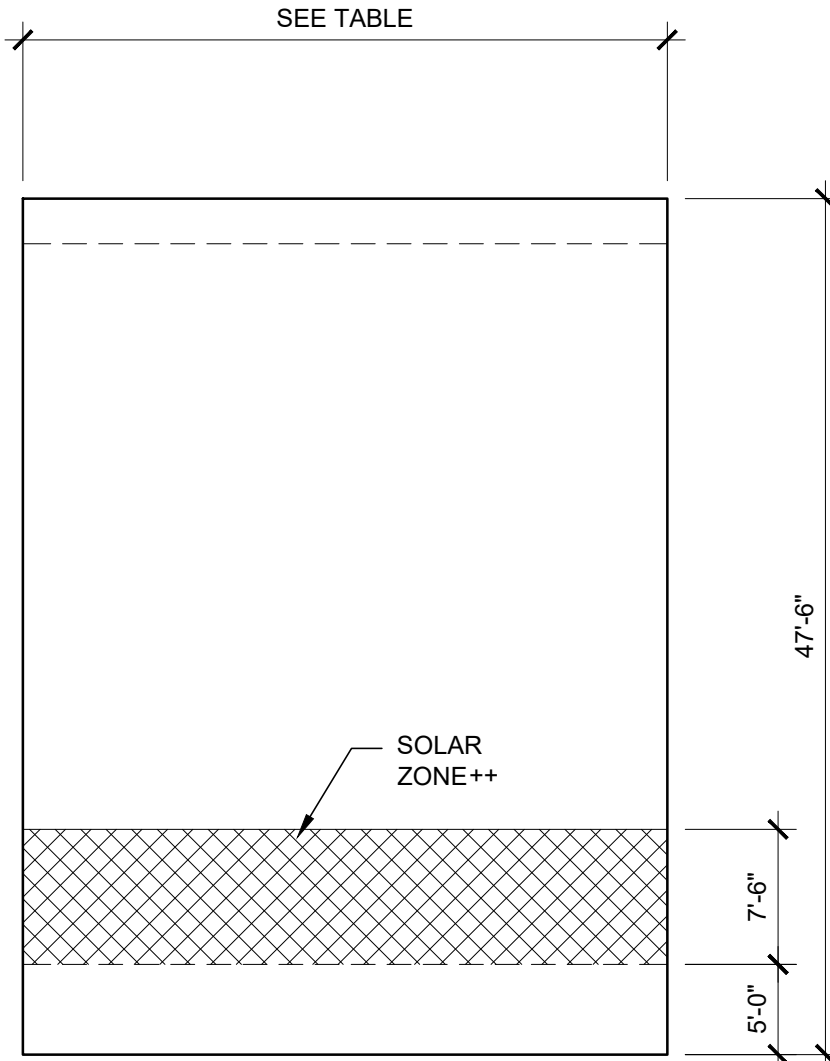
SCALE: 1/4" = 1' - 0"

1

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 7/5-2.60
- SEE DETAIL "A" (THIS SHEET) FOR ROOF SYSTEM UPLIFT CAPACITY

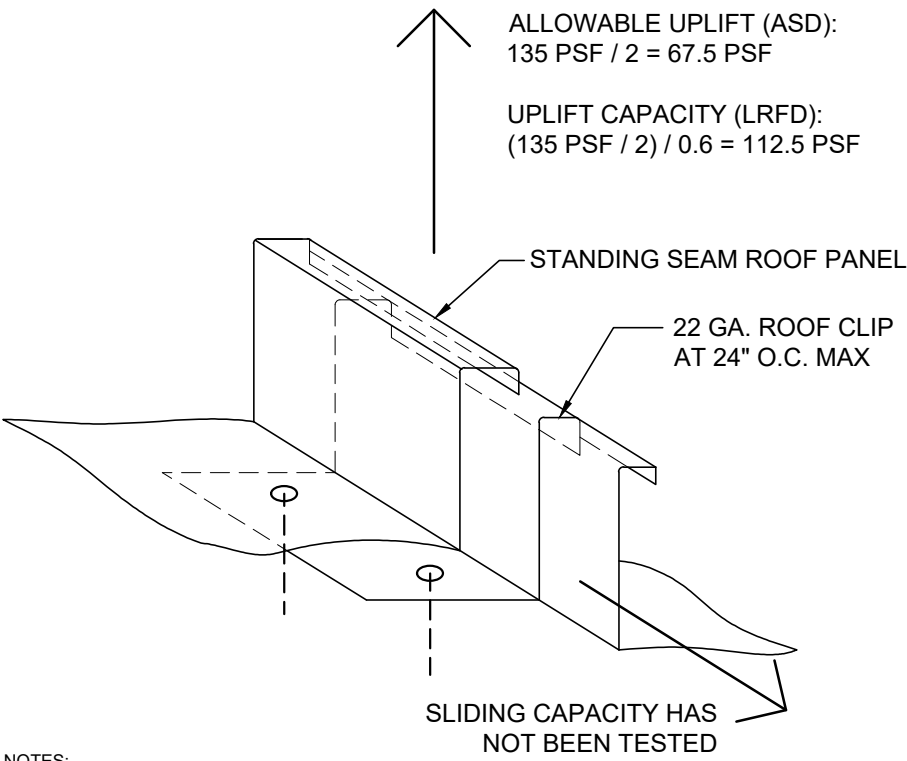
SOLAR ZONE



KEYPLAN

BUILDING SIZE	REQUIRED SOLAR ZONE	PROVIDED SOLAR ZONE
24'-0" x 40'-0"	172 SF	178 SF
36'-0" x 40'-0"	258 SF	267 SF
48'-0" x 40'-0"	344 SF	356 SF
60'-0" x 40'-0"	430 SF	445 SF
72'-0" x 40'-0"	516 SF	534 SF
84'-0" x 40'-0"	602 SF	623 SF
96'-0" x 40'-0"	688 SF	712 SF
108'-0" x 40'-0"	774 SF	801 SF
120'-0" x 40'-0"	860 SF	890 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).
 - TEST REPORT:
T1 RADCO (RADCO, A TWINING COMPANY)
REPORT # 216037.R
DATE: 6.22.2021
 - THE ULTIMATE LOAD DETERMINED BY TESTING = 135 PSF.
A SAFETY FACTOR OF 2.0 HAS BEEN USED IN CALCULATING THE ALLOWABLE VALUES.
 - PV PANEL ATTACHMENT OPTION IS NOT INCLUDED WITHIN THIS PC.
 - THE CLIP SLIDING CAPACITY HAS NOT BEEN TESTED. IF PV PANELS ARE INSTALLED THE SLIDING CAPACITY OF THE ROOF PANEL SYSTEM MUST BE DETERMINED BY FIELD TESTING FOR ROOF SLOPES OF NOT LESS THAN 7 DEGREES.
EXCEPTION: WHERE THE SLIDING LOAD FOR SEISMIC AND WIND FORCES ON THE PV PANEL SYSTEM IS LESS THAN THE DISPLACED DESIGN LIVE LOAD SLIDING COMPONENT PER DSA IR 16-8 (SECTION 5.1.1.2).
 - CONVERSION FROM ALLOWABLE UPLIFT (ASD) TO UPLIFT CAPACITY (LRFD) IS BASED ON ASD WIND PRESSURE = 0.6 x (LFRD WIND PRESSURE).

ROOF SYSTEM CAPACITY

SCALE: NTS

A

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

ROOF PLAN
48' TO 120' x 40'
METAL DECK - MONO SLOPE

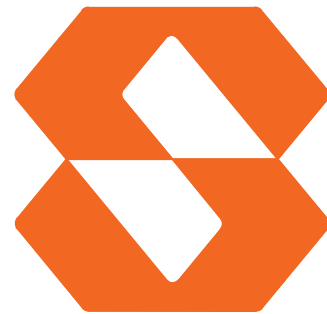
REVISIONS

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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:

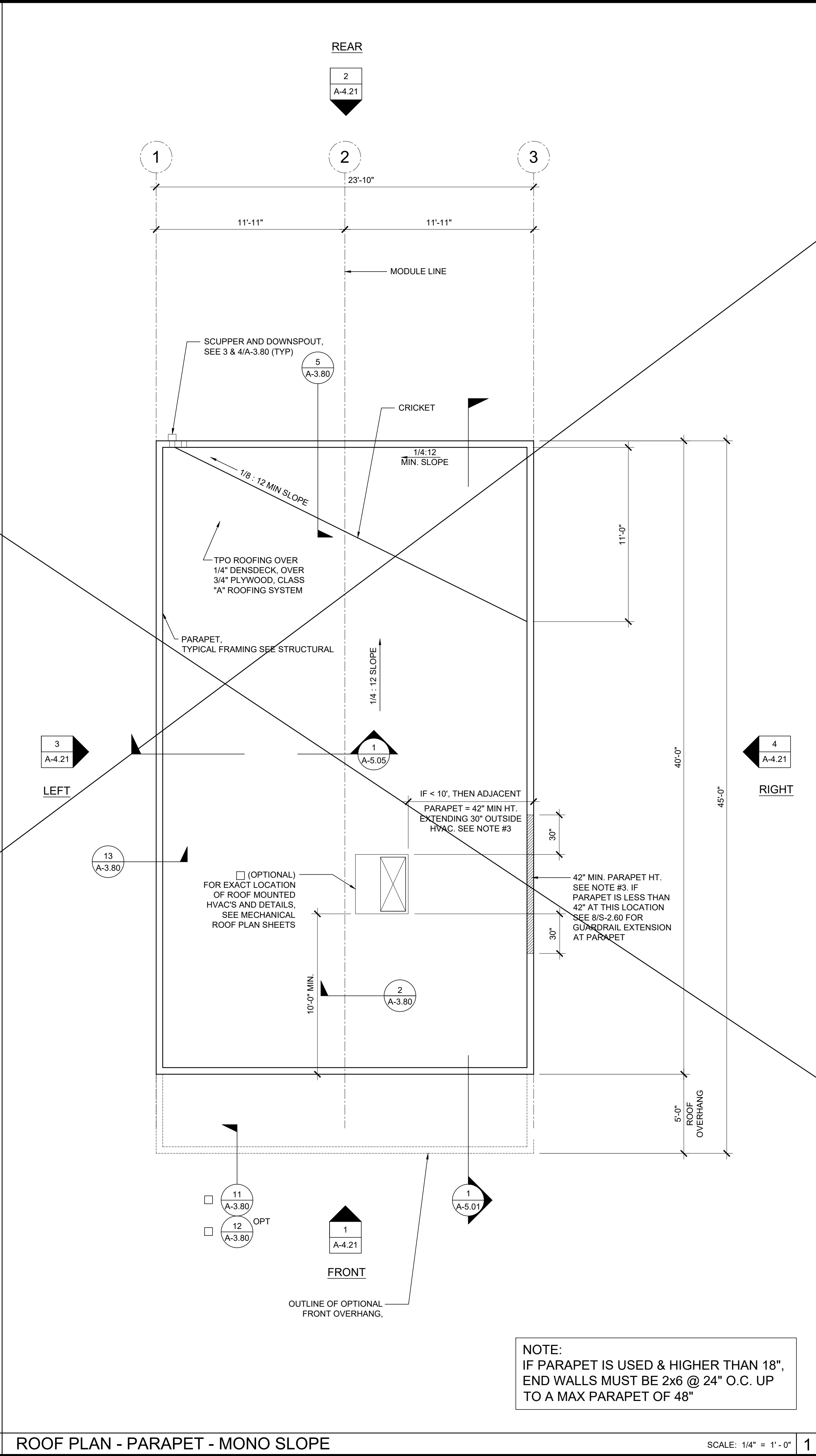
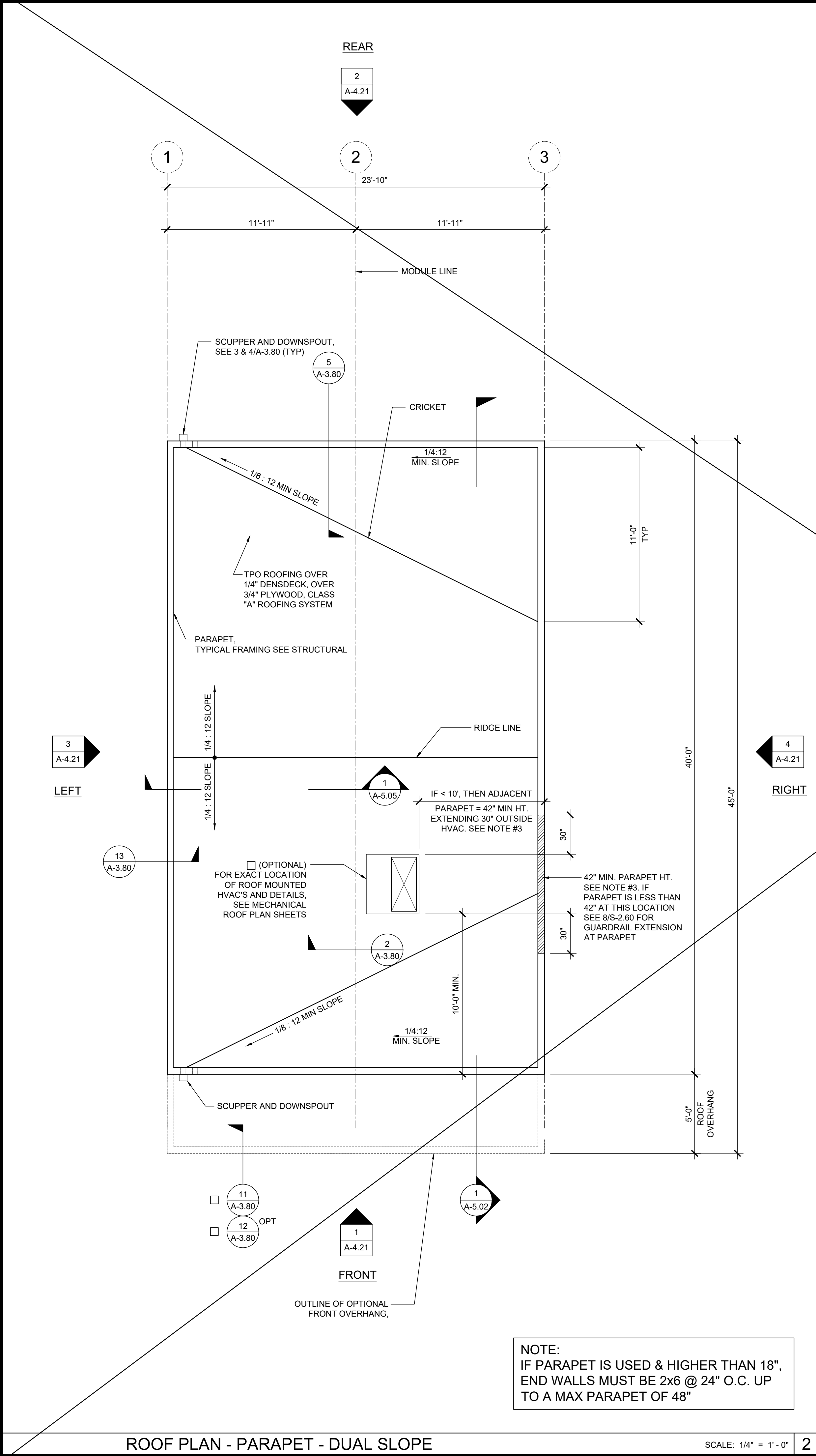
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-3.03



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

SOLAR ZONE

SEE TABLE

11'-11" 11'-11" 11'-11"

LEFT MODULE INTERIOR MODULE(S) RIGHT MODULE

4'-0" 4'-0"

SOLAR ZONE++

7'-6" 11'-0" 5'-0" 4'-0" 1'-0" MIN.

KEYPLAN (w/ PARAPET)

* w/ OVERHANG
** w/o OVERHANG

BUILDING SIZE	REQUIRED SOLAR ZONE	PROVIDED SOLAR ZONE
24'-0" x 40'-0"	172 SF	178 SF
36'-0" x 40'-0"	258 SF	267 SF
48'-0" x 40'-0"	344 SF	356 SF
60'-0" x 40'-0"	430 SF	445 SF
72'-0" x 40'-0"	516 SF	534 SF
84'-0" x 40'-0"	602 SF	623 SF
96'-0" x 40'-0"	688 SF	712 SF
108'-0" x 40'-0"	774 SF	801 SF
120'-0" x 40'-0"	860 SF	890 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.

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

ROOF PLAN
24'x40' - PARAPET ROOF
MONO OR DUAL SLOPE

REVISIONS

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

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

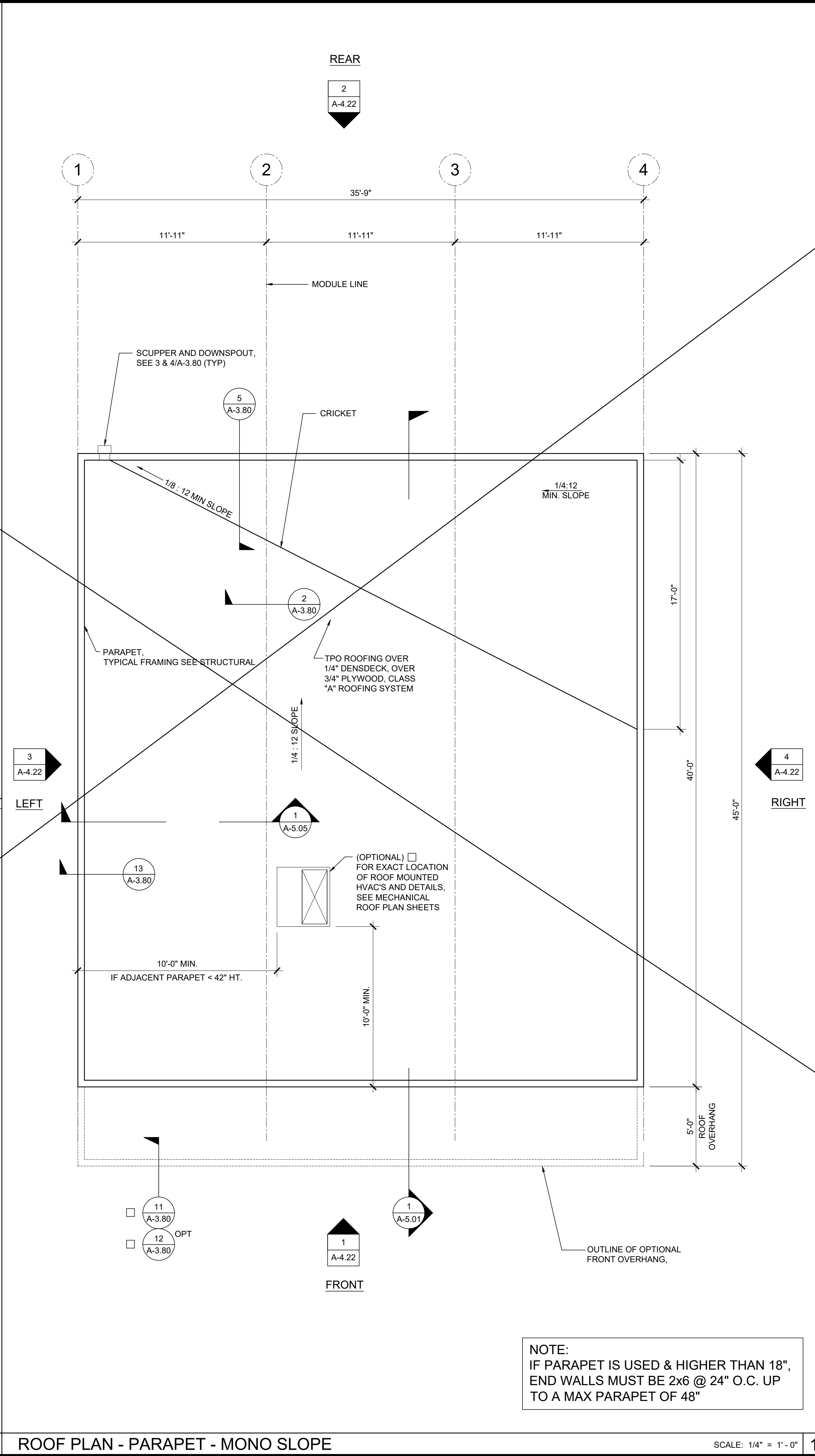
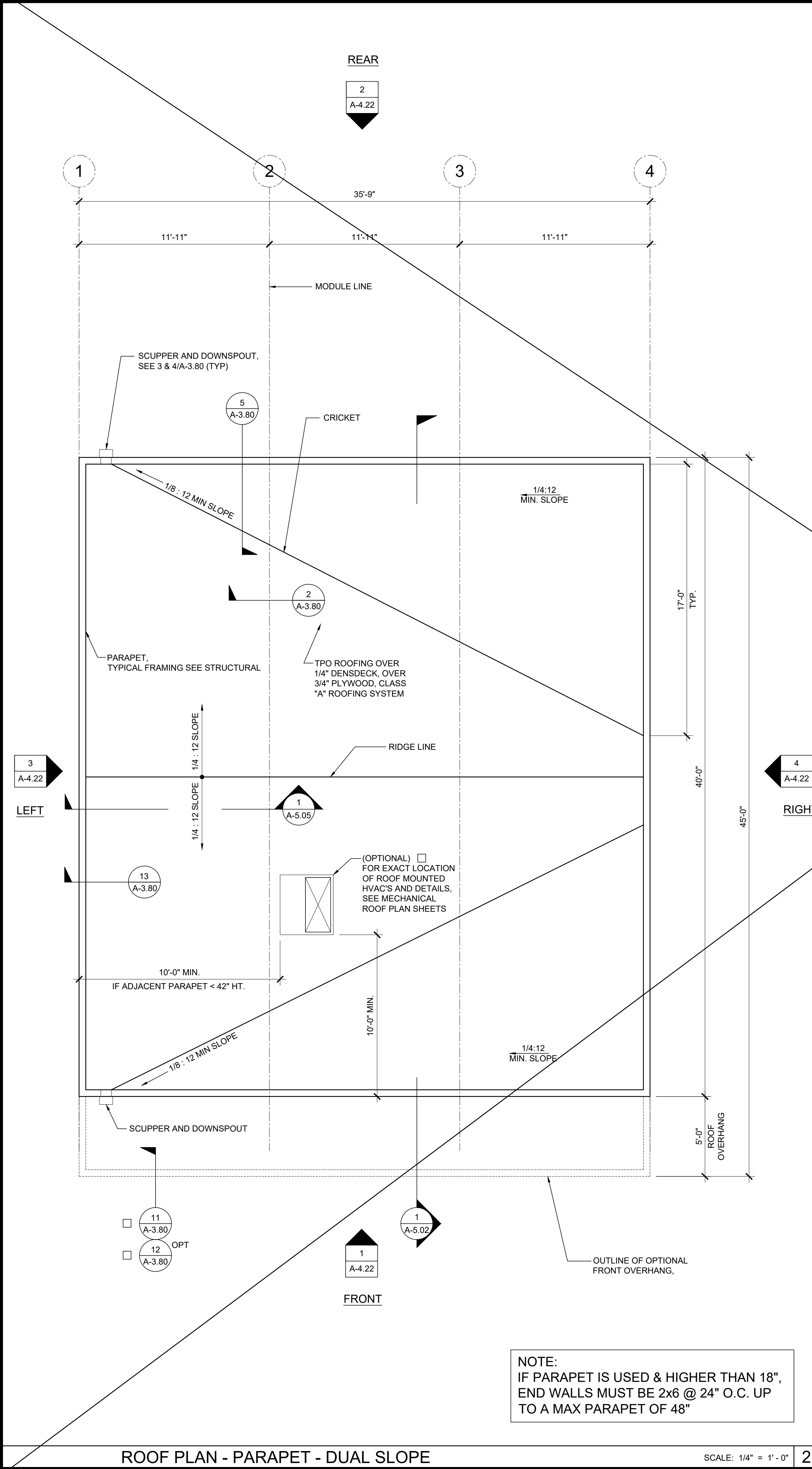
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

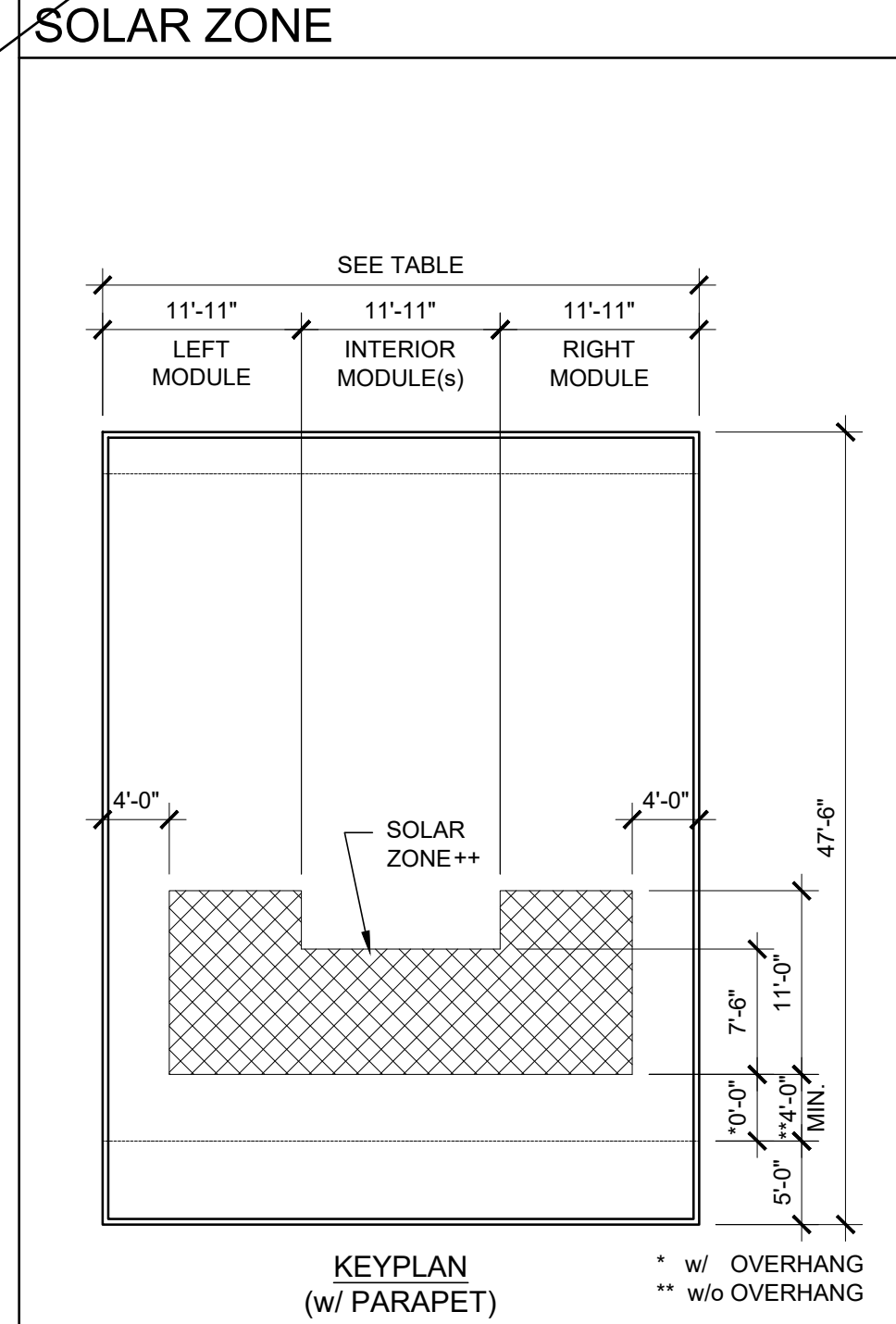
P.C. SHEET NUMBER

A-3.31



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.
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SOLAR ZONE CALCULATION TABLE		
BUILDING SIZE	REQUIRED SOLAR ZONE	PROVIDED SOLAR ZONE
24'-0" x 40'-0"	172 SF	178 SF
36'-0" x 40'-0"	258 SF	267 SF
48'-0" x 40'-0"	344 SF	356 SF
60'-0" x 40'-0"	430 SF	445 SF
72'-0" x 40'-0"	516 SF	534 SF
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PROVIDED SOLAR ZONE	=	89 SF

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

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

ROOF PLAN
36' x 40' - PARAPET
MONO OR DUAL SLOPE


REVISIONS

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

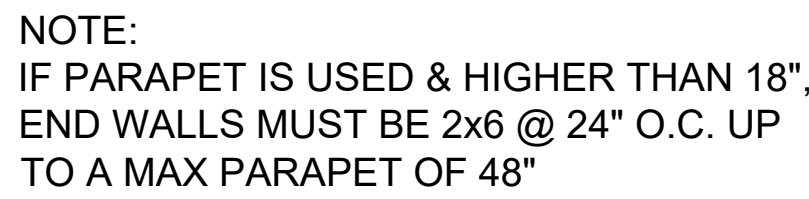
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SCALE: AS NOTED

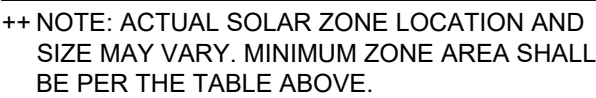
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P.C. SHEET NUMBER

A-3.32



- ## SOLAR ZONE



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

PROJECT NAME

SHEET TITLE

ROOF PLAN
48' to 120' x 40' - PARAPET
MONO SLOPE

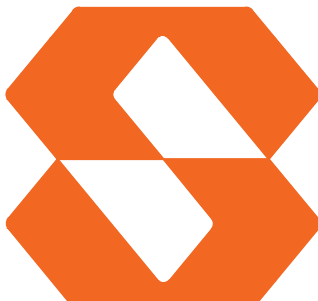
REVISIONS

-

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CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
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An identification stamp from the Division of the State Architect. It contains the following text: "IDENTIFICATION STAMP", "DIV. OF THE STATE ARCHITECT", "APP. 04 121999 INC:", "REVIEWED FOR", "SS ☒ FLS ☒ ACS ☒", and "DATE: 08/31/2023". The stamp is crossed out with a large 'X'.

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

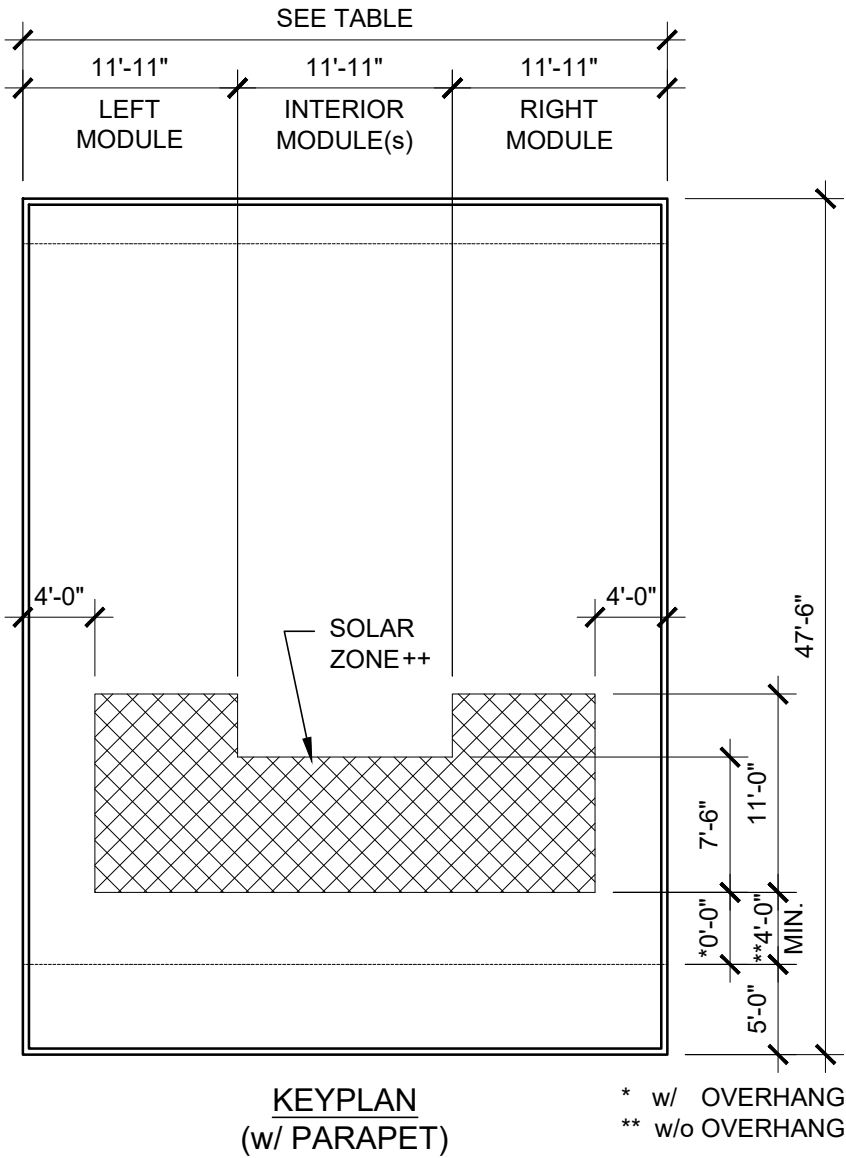
P.C. SHEET NUMBER

A-3.33

NOTES

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SOLAR ZONE



BUILDING SIZE	REQUIRED SOLAR ZONE	PROVIDED SOLAR ZONE
24'-0" x 40'-0"	172 SF	178 SF
36'-0" x 40'-0"	258 SF	267 SF
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108'-0" x 40'-0"	774 SF	801 SF
120'-0" x 40'-0"	860 SF	890 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.

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PROJECT NAME:

SHEET TITLE:

ROOF PLAN
48' to 120' x 40' - PARAPET
DUAL SLOPE

REVISIONS

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Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

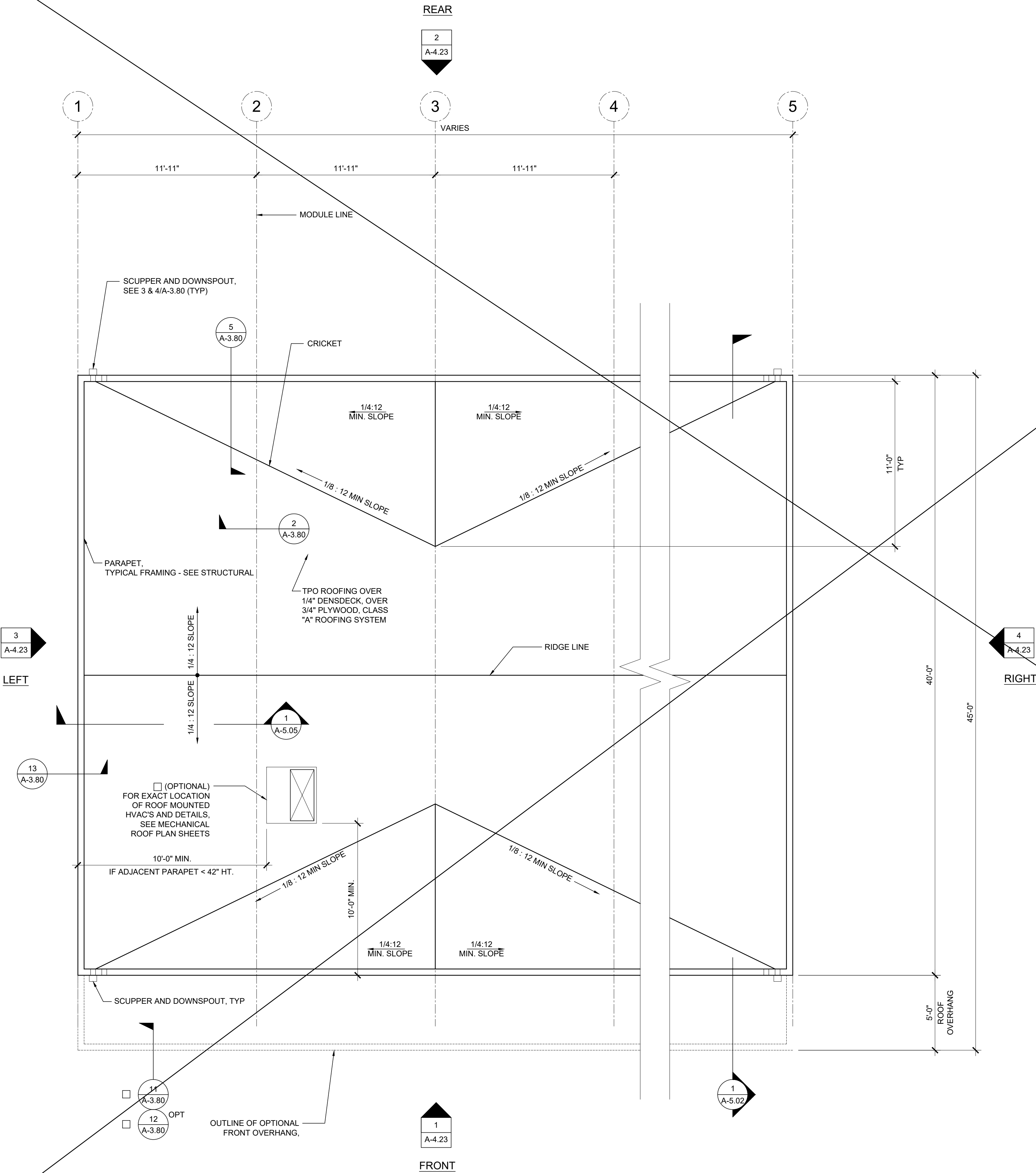
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SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-3.34



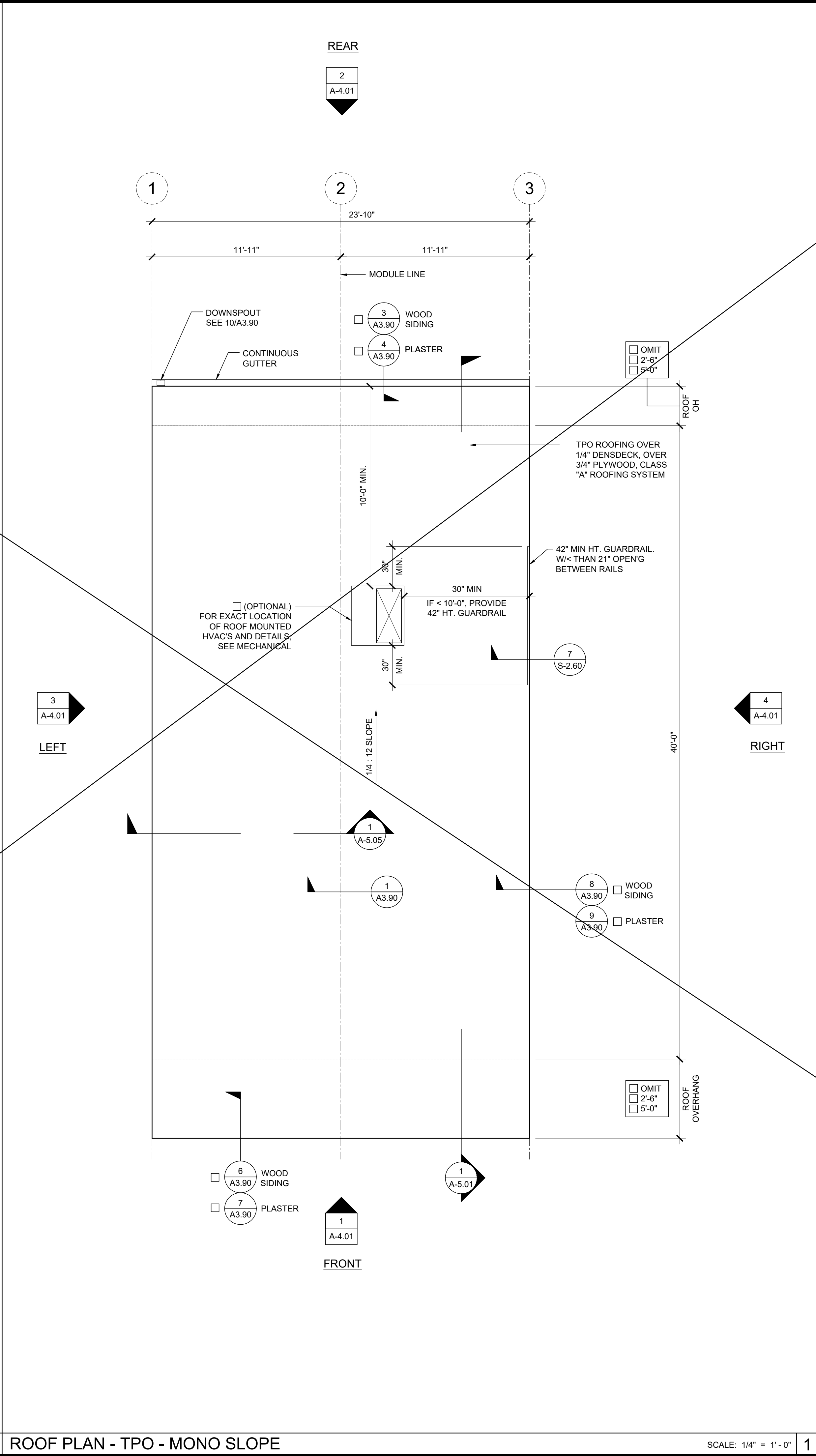
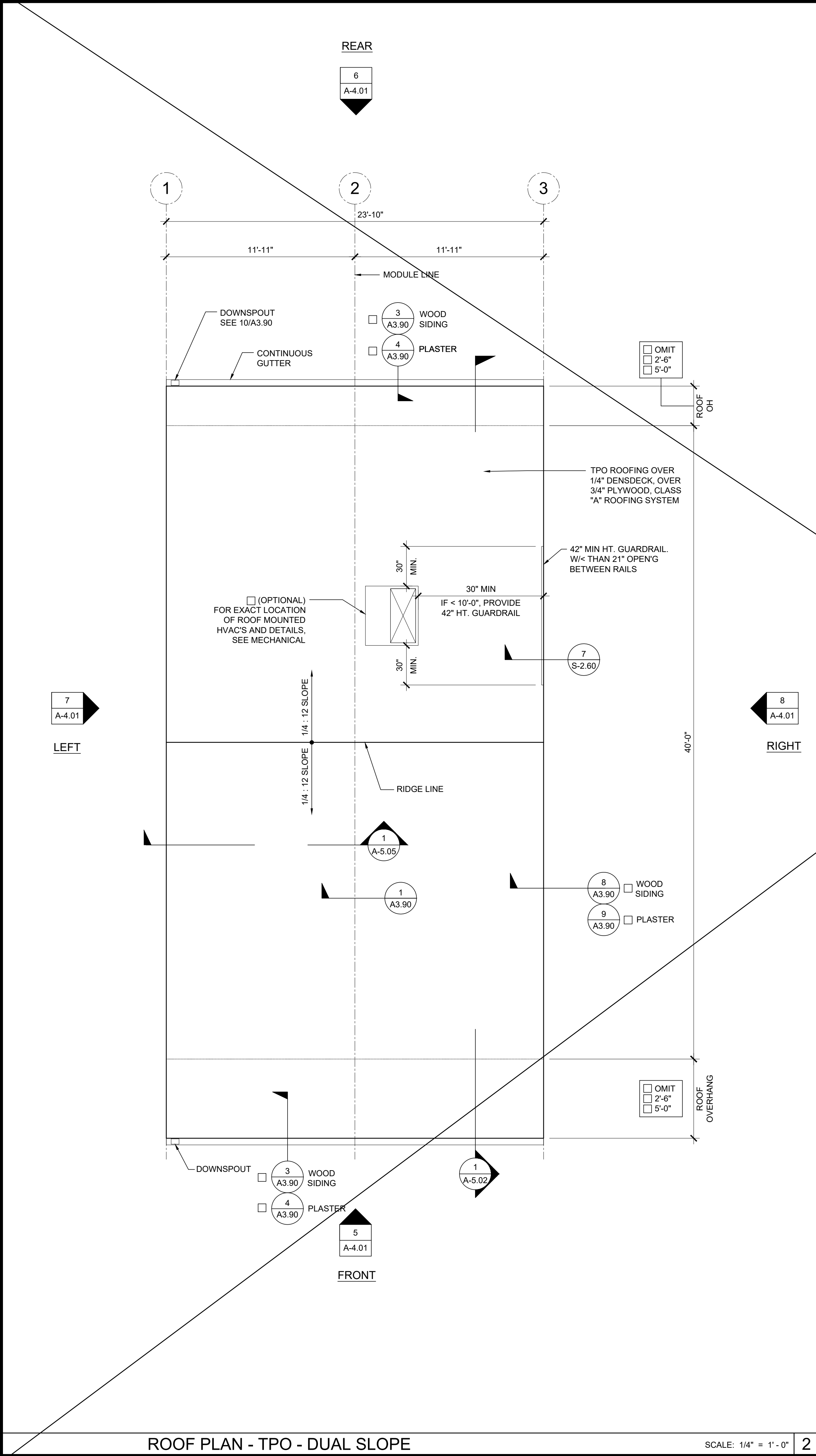
SCALE: 1/4" = 1' - 0"

2

ROOF SEP PLAN OPTION

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

1



NOTES

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SOLAR ZONE

SEE TABLE

47'-6"

7'-6"

5'-0"

SOLAR ZONE++

KEYPLAN

BUILDING SIZE	REQUIRED SOLAR ZONE	PROVIDED SOLAR ZONE
24'-0" x 40'-0"	172 SF	178 SF
36'-0" x 40'-0"	258 SF	267 SF
48'-0" x 40'-0"	344 SF	356 SF
60'-0" x 40'-0"	430 SF	445 SF
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PROJECT NAME:

SHEET TITLE:

ROOF PLAN
24'x40' - TPO ROOF
MONO OR DUAL SLOPE

REVISIONS

NO.	DESCRIPTION
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PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

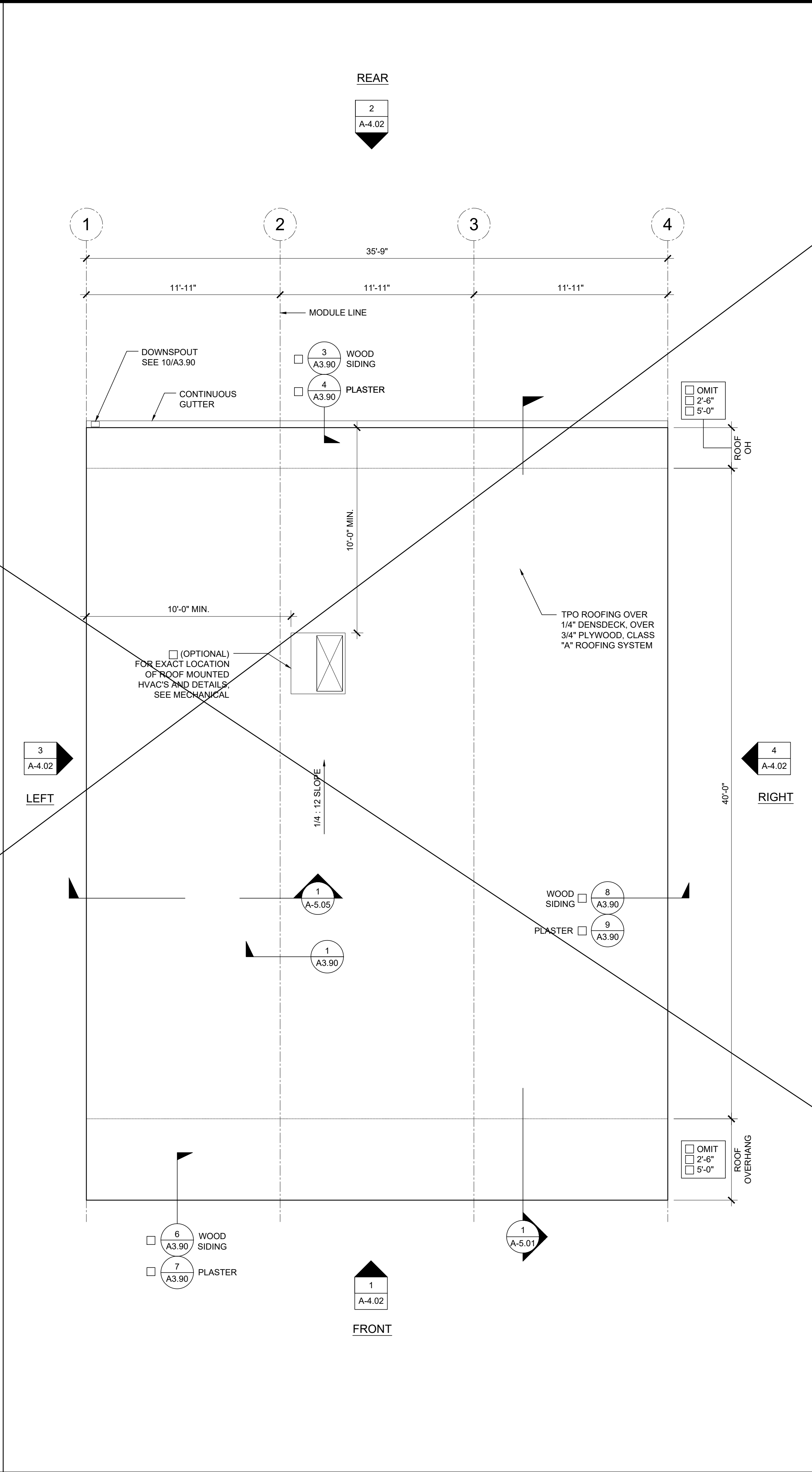
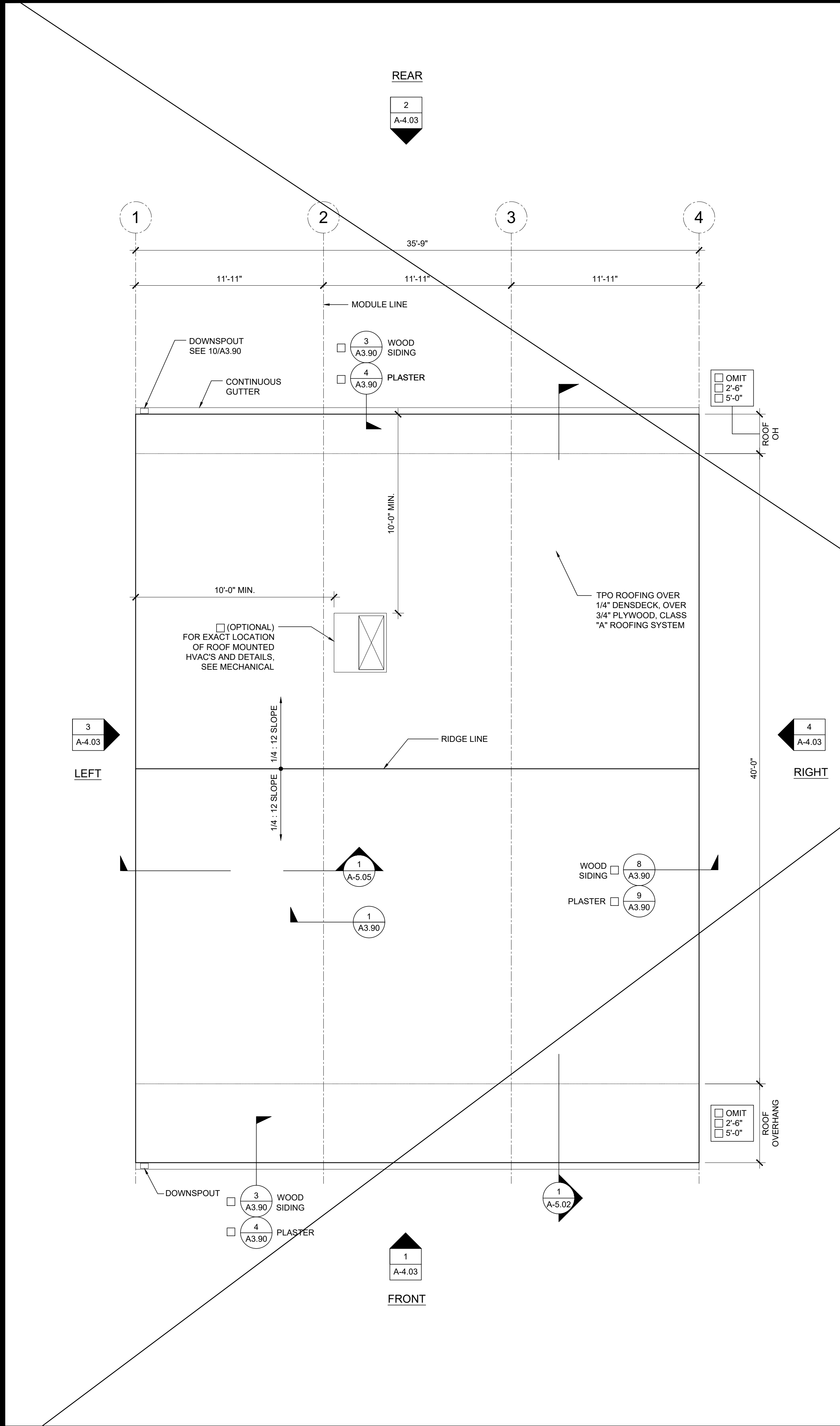
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SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-3.41



NOTES

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SOLAR ZONE

SEE TABLE

KEYPLAN

BUILDING SIZE	REQUIRED SOLAR ZONE	PROVIDED SOLAR ZONE
24'-0" x 40'-0"	172 SF	178 SF
36'-0" x 40'-0"	258 SF	267 SF
48'-0" x 40'-0"	344 SF	356 SF
60'-0" x 40'-0"	430 SF	445 SF
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PROJECT NAME:

SHEET TITLE:

ROOF PLAN
36' x 40' - TPO ROOF
MONO OR DUAL SLOPE

REVISIONS

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

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

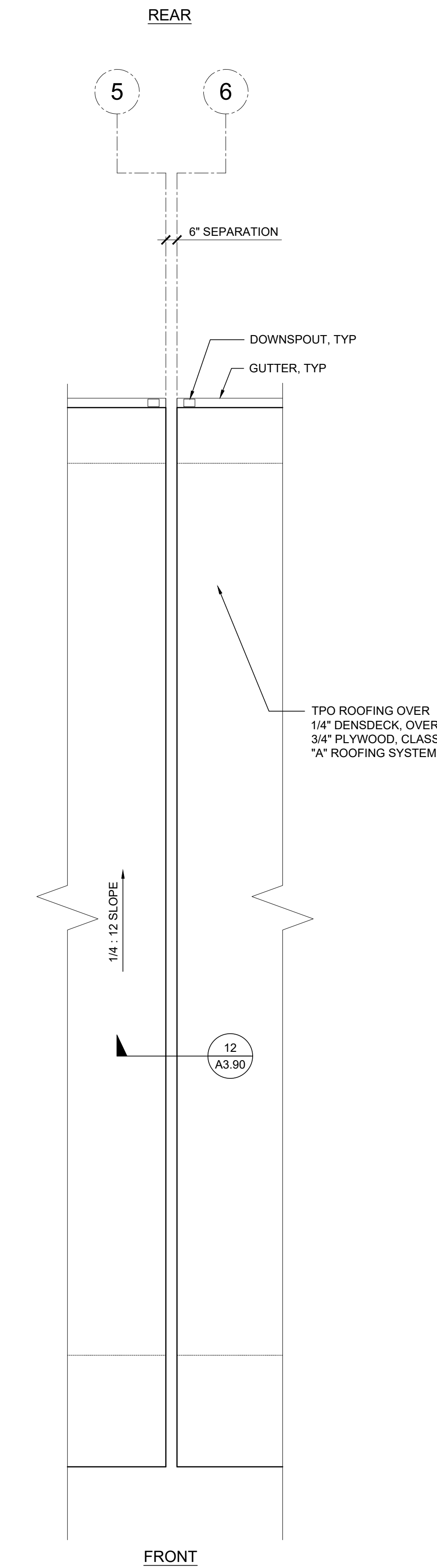
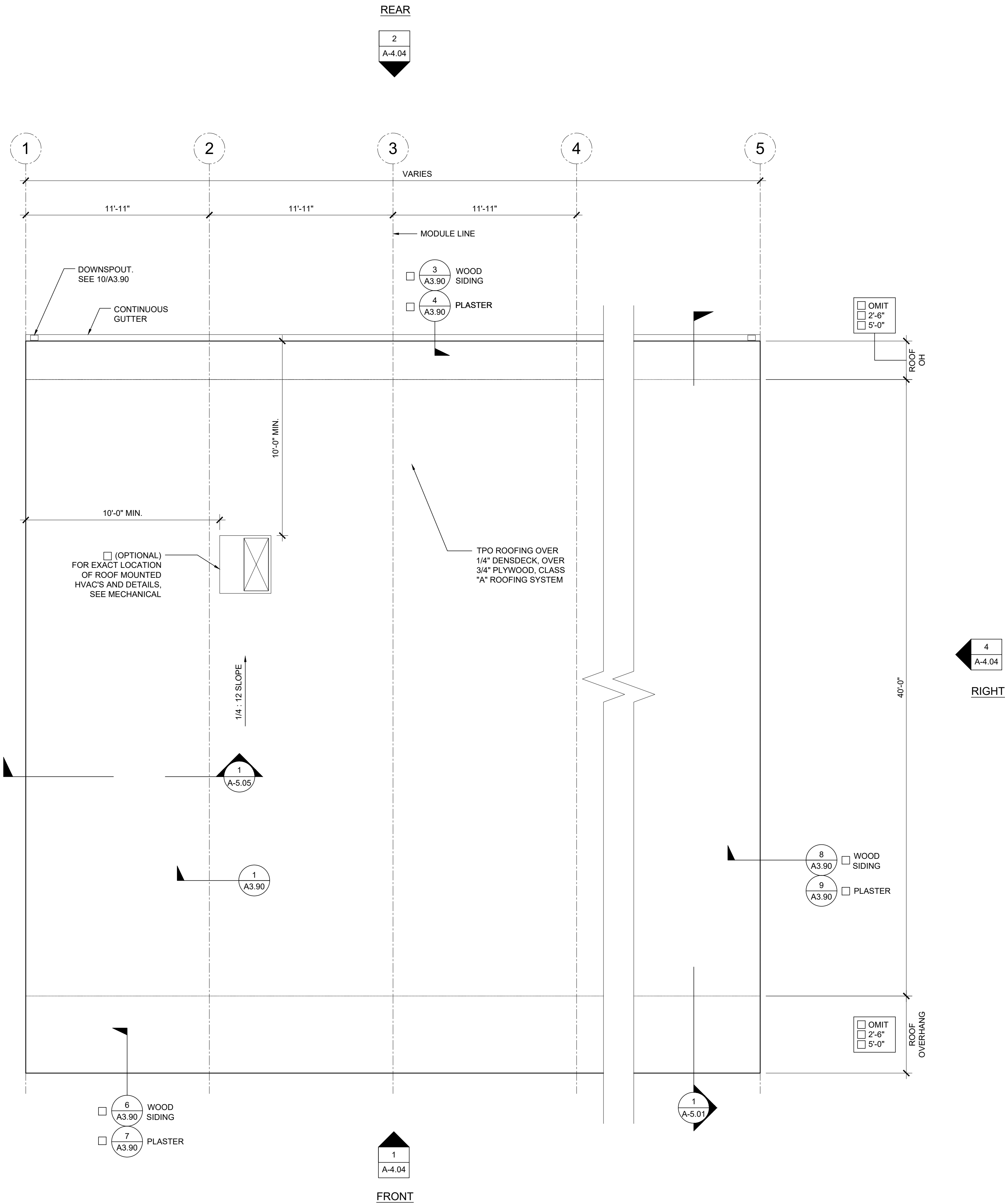
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

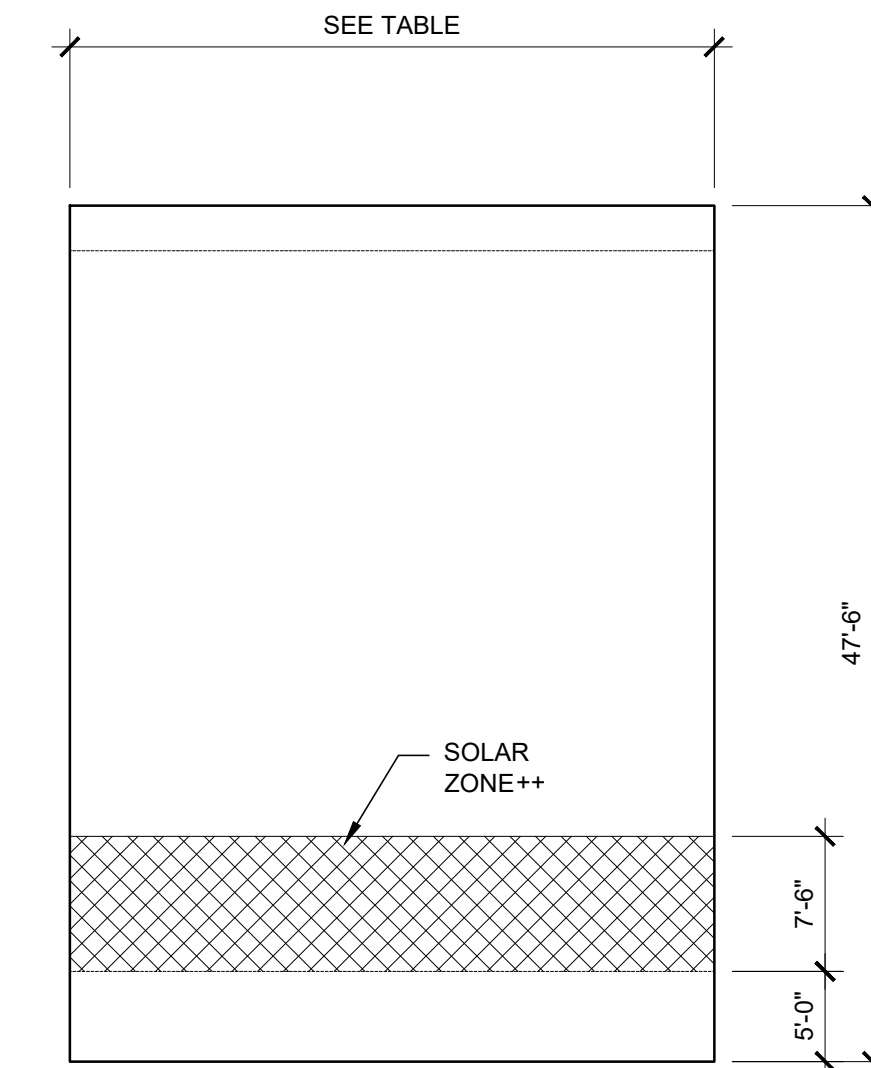
P.C. SHEET NUMBER

A-3.42



NOTES

- FOR WALL MOUNTED HVAC UNIT, PROVIDE OPENING THROUGH REAR ROOF HEADER WHERE IT OCCURS. SEE FLOOR PLAN FOR HVAC LOCATION. SEE 5,15 / S-2.50 OR 5,15/S-2.51 FOR DETAILS
- PROVIDE ADDITIONAL JOIST FOR FIRE SPRINKLER LINE AS NEEDED. LOCATION OF FIRE SPRINKLER PURLIN TO BE DETERMINED BY SITE STIFFENER PLATE OR ANGLE BRACE REQUIRED AT THIS LOCATION. FOR FIRE SPRINKLER LINE SIDE BEAM PENETRATION, SEE 14 / S-2.50 OR 14 / S-2.51 DETAILS.
- FOR OPTIONAL SIDE BEAM OPENING SEE 10, 15/S-2.50 OR 10, 15/S-2.51 FOR DETAILS



KEYPLAN

SOLAR ZONE CALCULATION TABLE		
BUILDING SIZE	REQUIRED SOLAR ZONE	PROVIDED SOLAR ZONE
24'-0" x 40'-0"	172 SF	178 SF
36'-0" x 40'-0"	258 SF	267 SF
48'-0" x 40'-0"	344 SF	356 SF
60'-0" x 40'-0"	430 SF	445 SF
72'-0" x 40'-0"	516 SF	534 SF
84'-0" x 40'-0"	602 SF	623 SF
96'-0" x 40'-0"	688 SF	712 SF
108'-0" x 40'-0"	774 SF	801 SF
120'-0" x 40'-0"	860 SF	890 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.

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:

SHEET TITLE:

ROOF PLAN 48' TO 120' x 40' TPO ROOF MONO SLOPE

REVISIONS	
1	
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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:

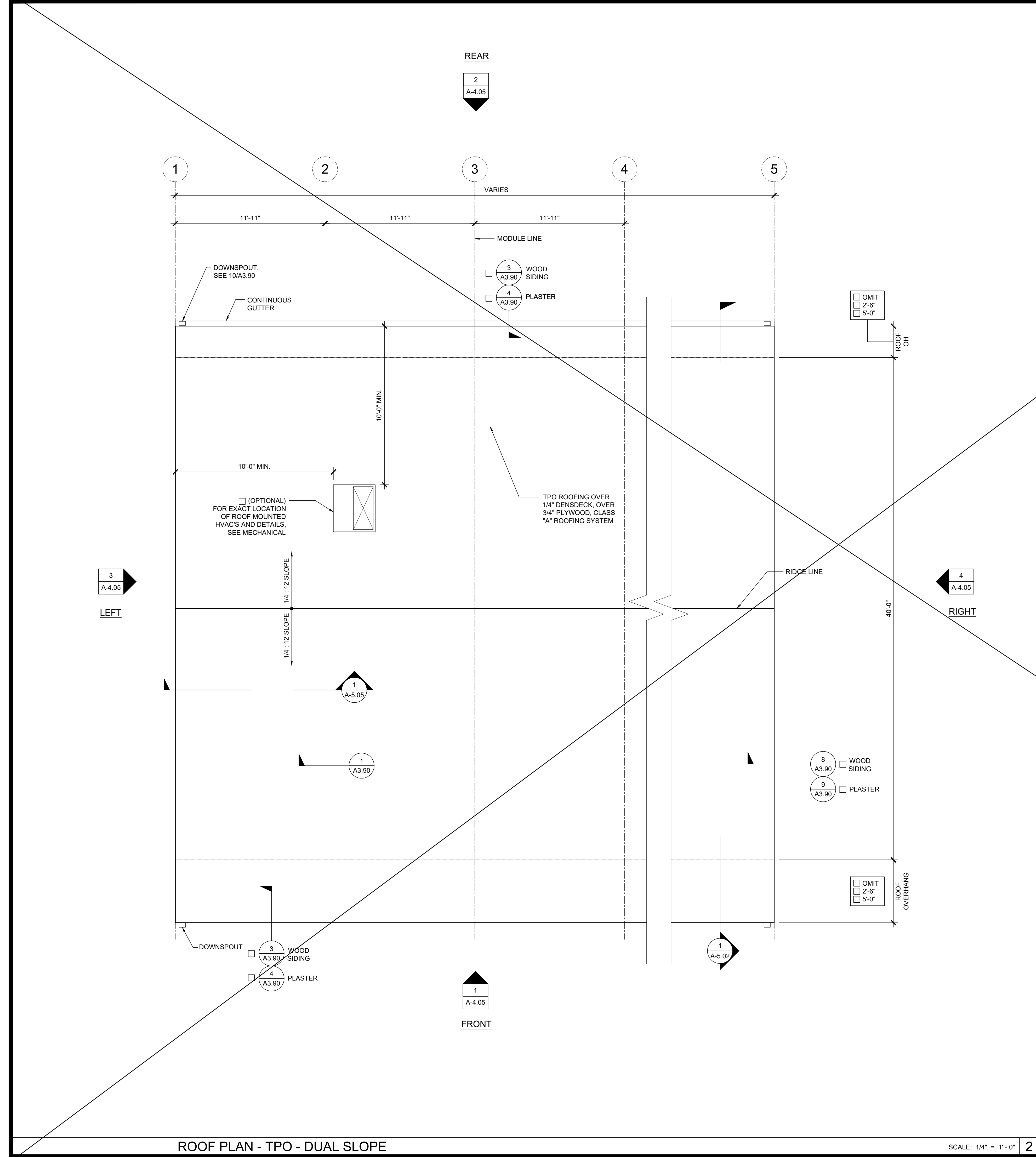
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

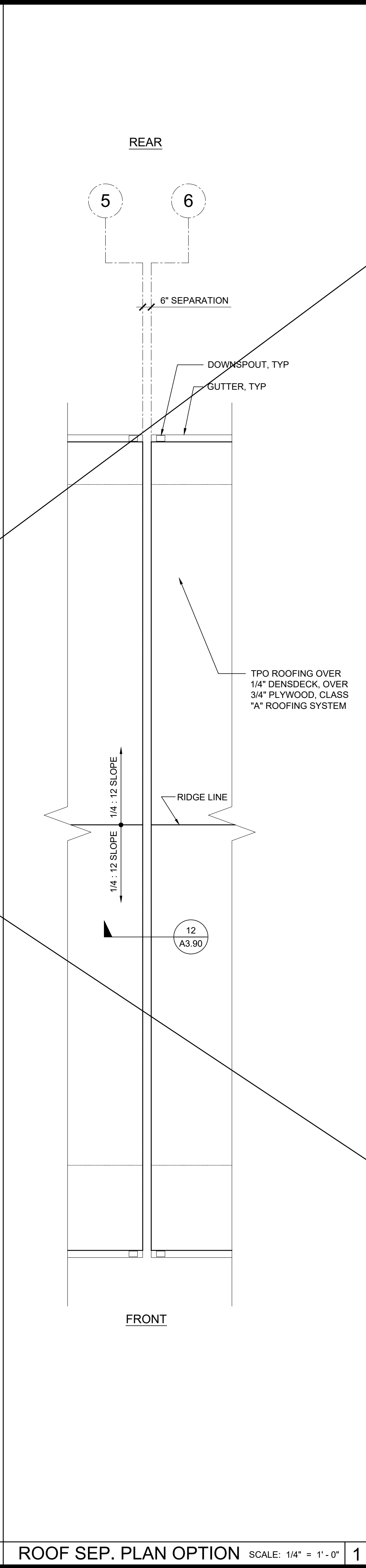
A-3.43



ROOF PLAN - TPO - DUAL SLOPE

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

2



ROOF SEP. PLAN OPTION

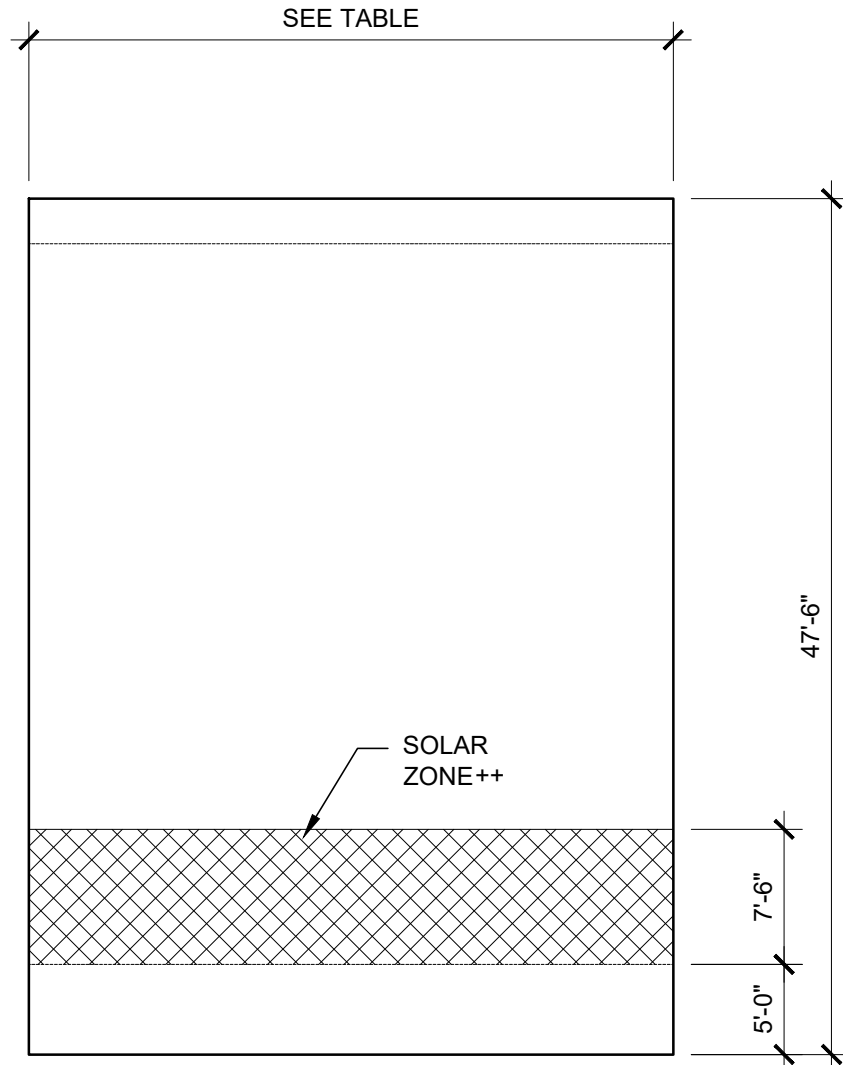
SCALE: 1/4" = 1' - 0"

1

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 7/5-2.60

SOLAR ZONE



KEYPLAN

BUILDING SIZE	REQUIRED SOLAR ZONE	PROVIDED SOLAR ZONE
24'-0" x 40'-0"	172 SF	178 SF
36'-0" x 40'-0"	258 SF	267 SF
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ROOF AREA PER MODULE	=	567 SF
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PROVIDED SOLAR ZONE	=	89 SF

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

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PROJECT NAME:

SHEET TITLE:
ROOF PLAN
48' TO 120' x 40'
TPO ROOF
DUAL SLOPE

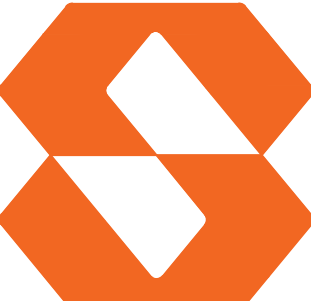
REVISIONS

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SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

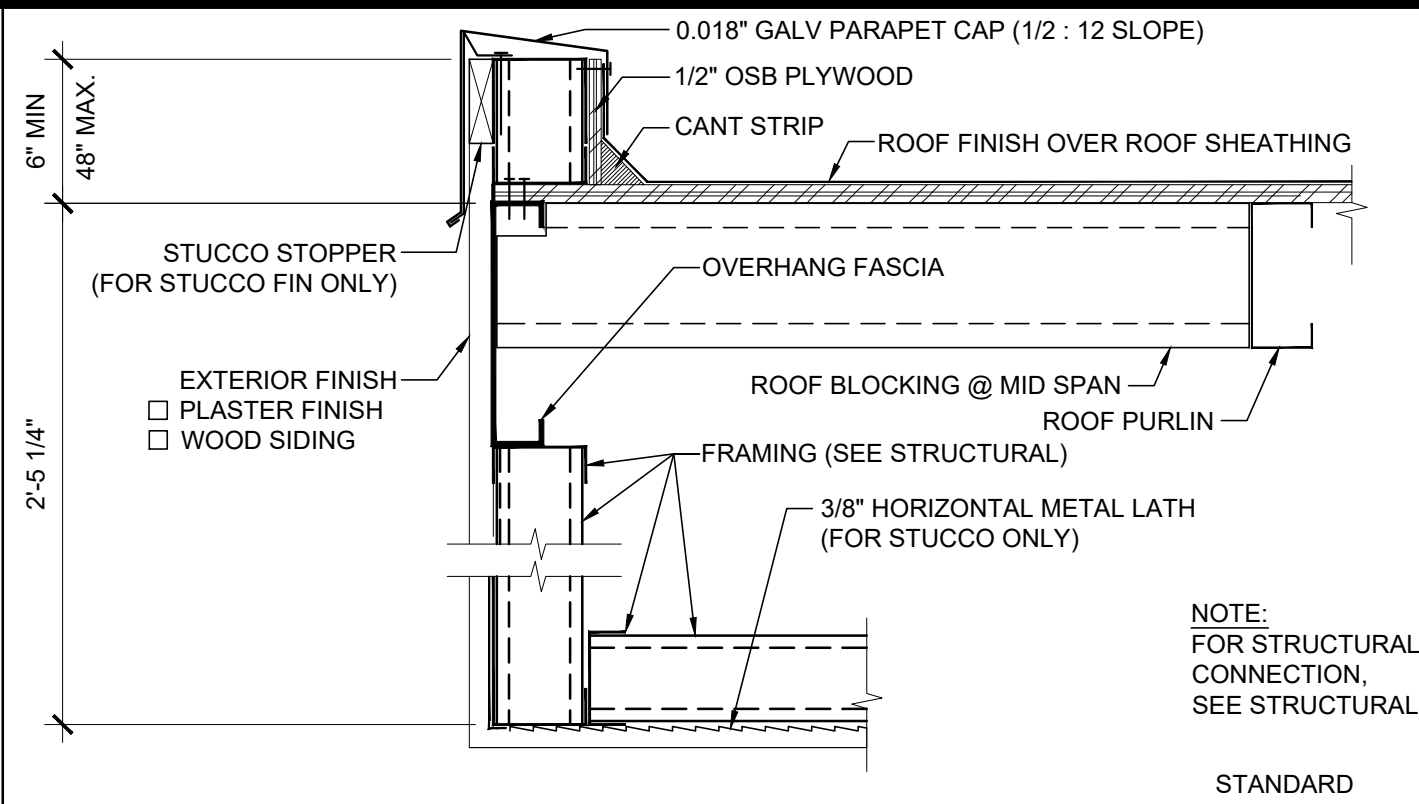
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SCALE: AS NOTED

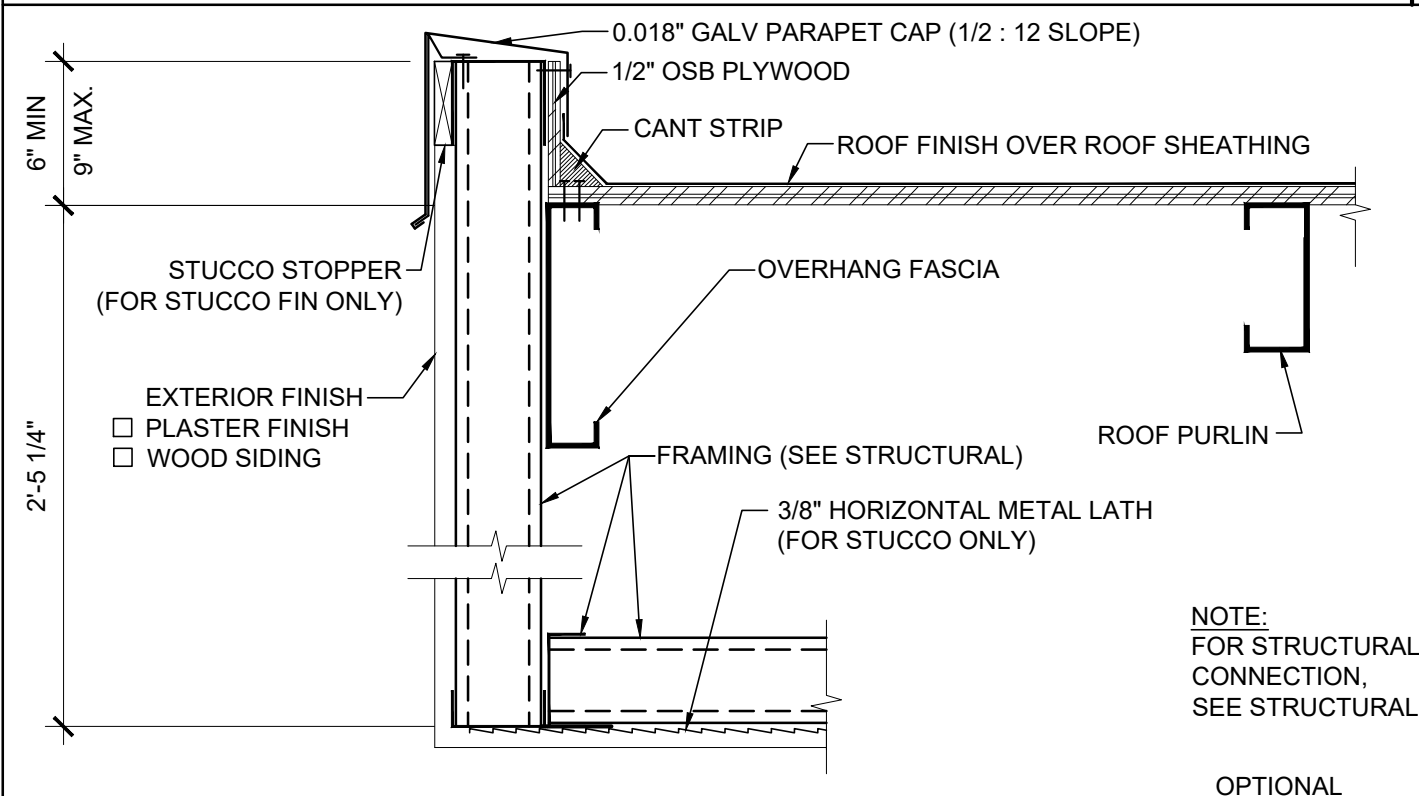
DATE: 02-27-2023

P.C. SHEET NUMBER

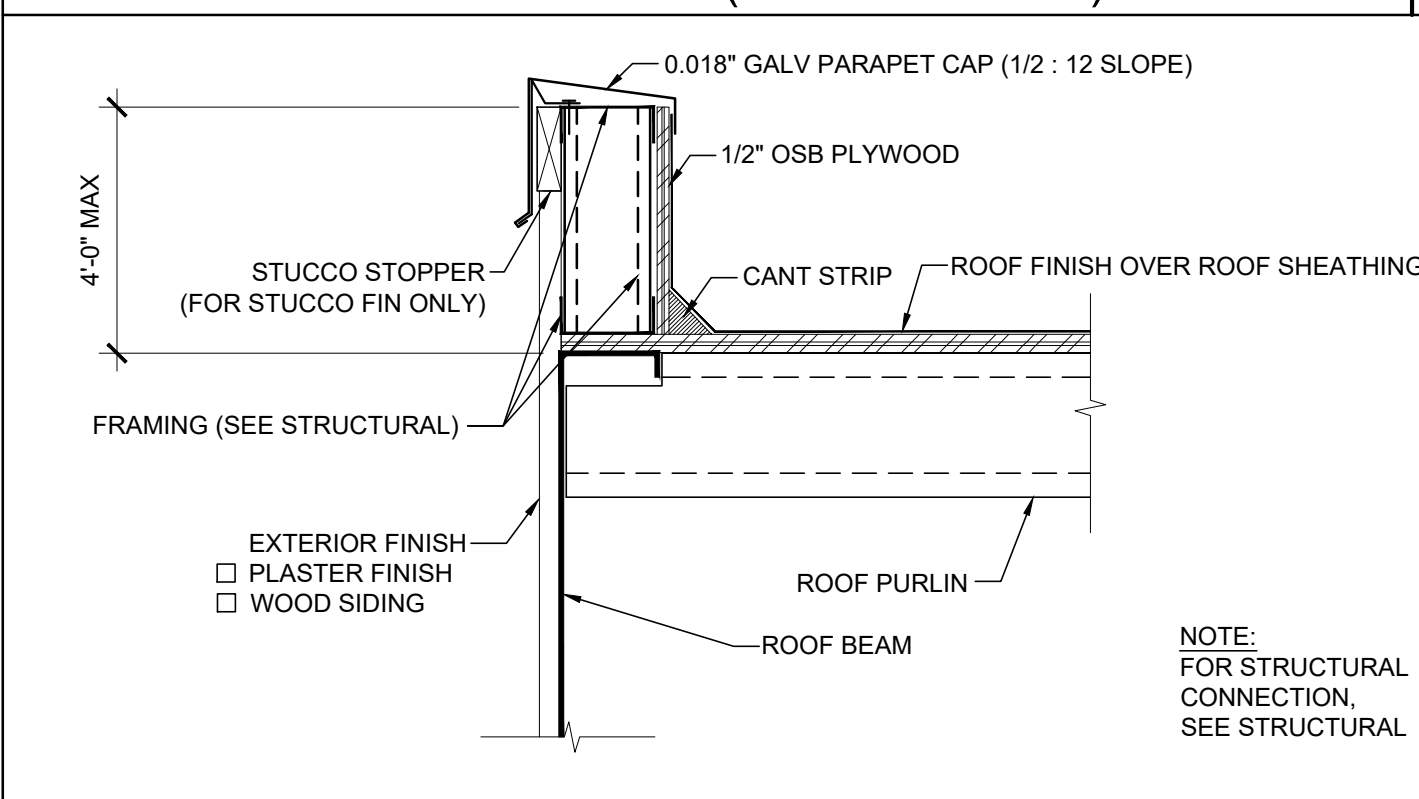
A-3.44



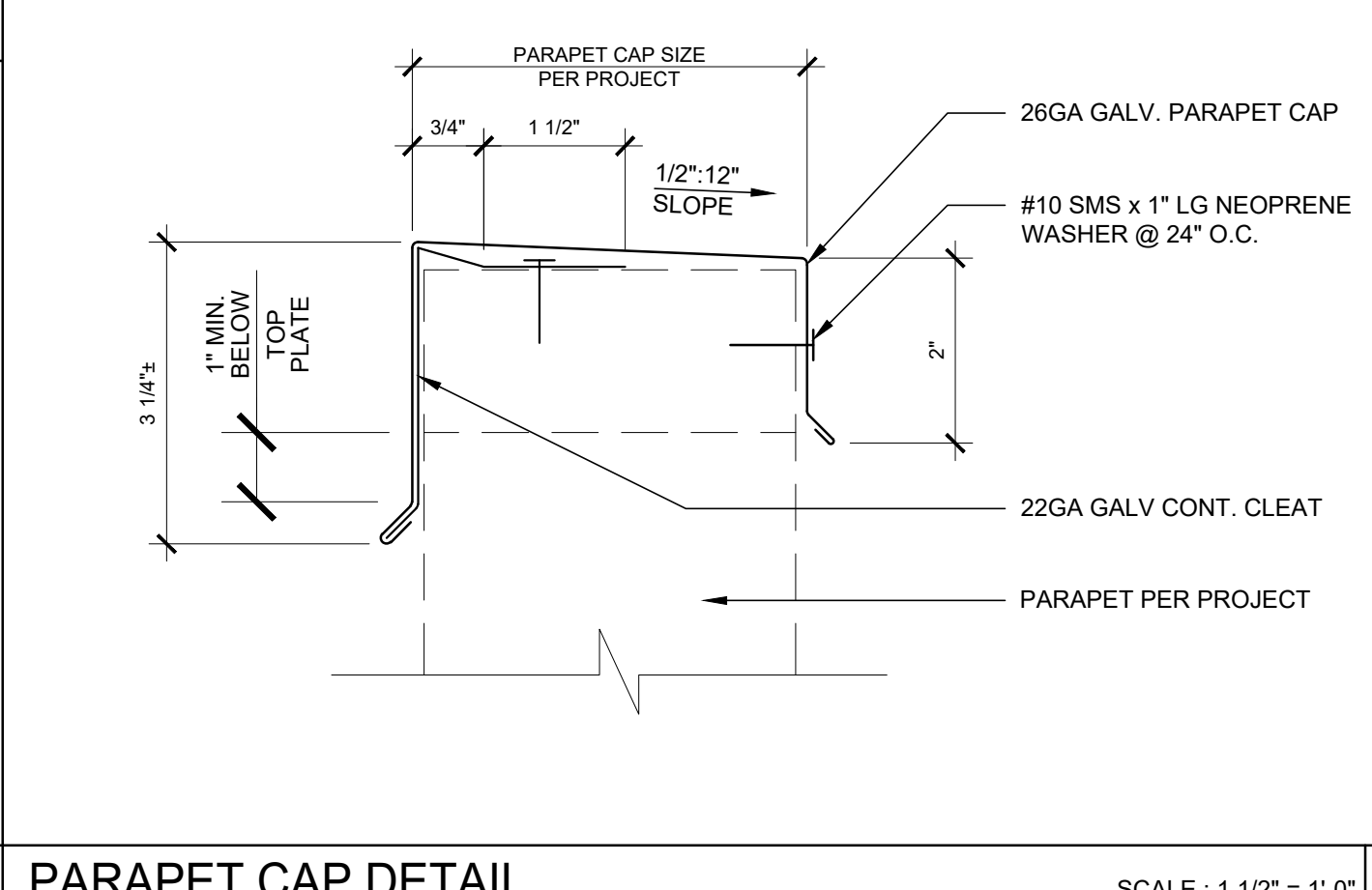
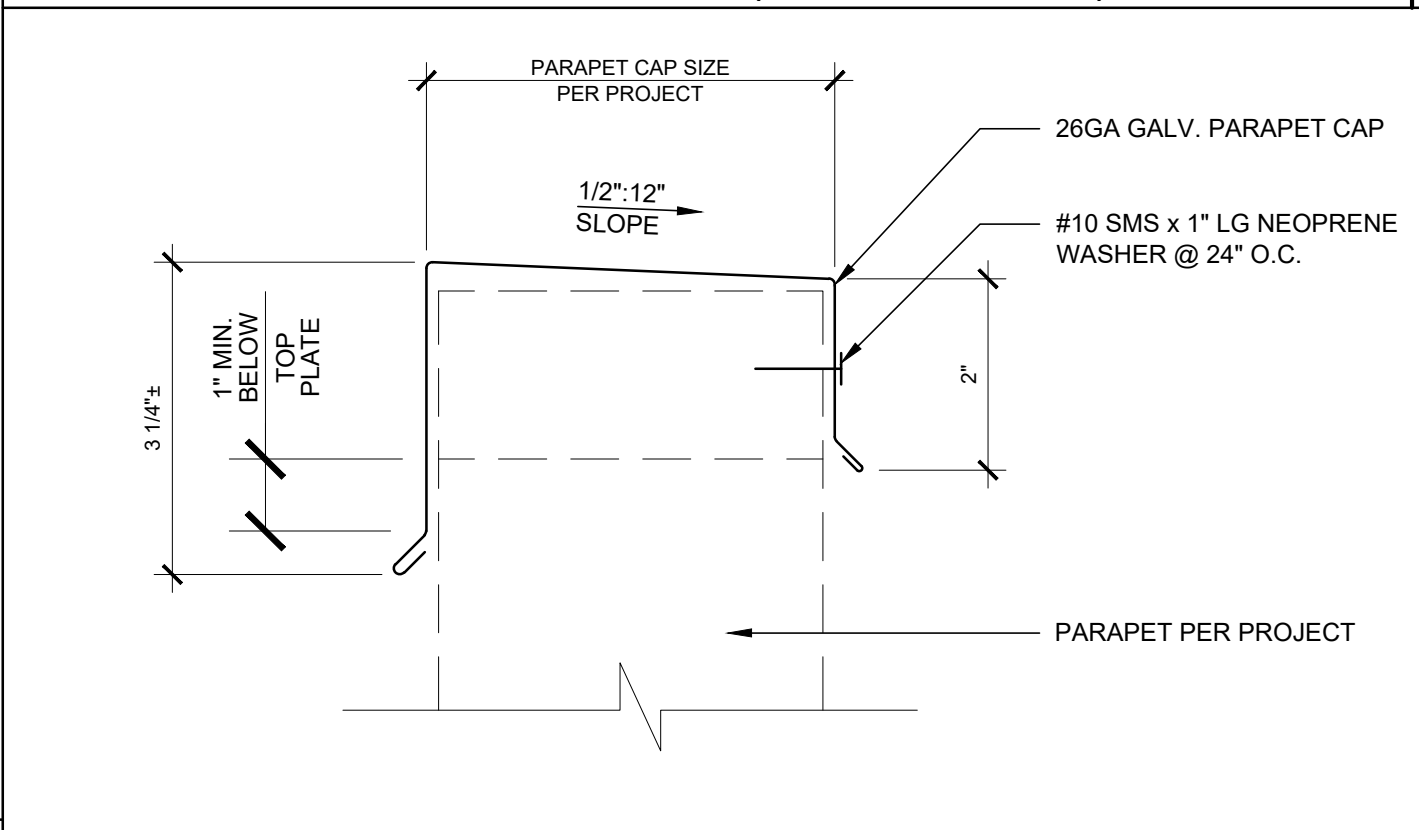
FRONT PARAPET SECTION (STEEL FRAME) SCALE : 1 1/2" = 1'-0" 11



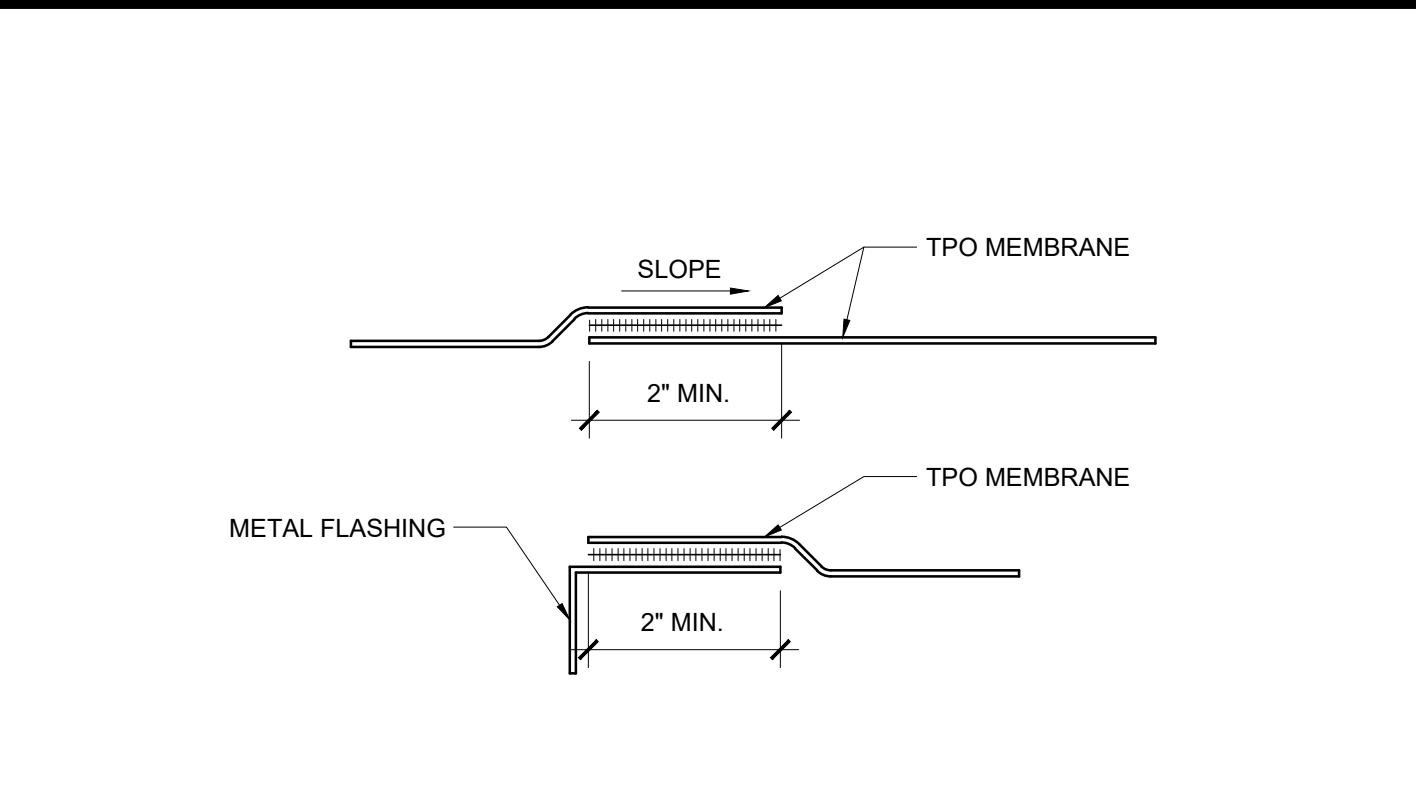
FRONT PARAPET SECTION (STEEL FRAME) SCALE : 1 1/2" = 1'-0" 12



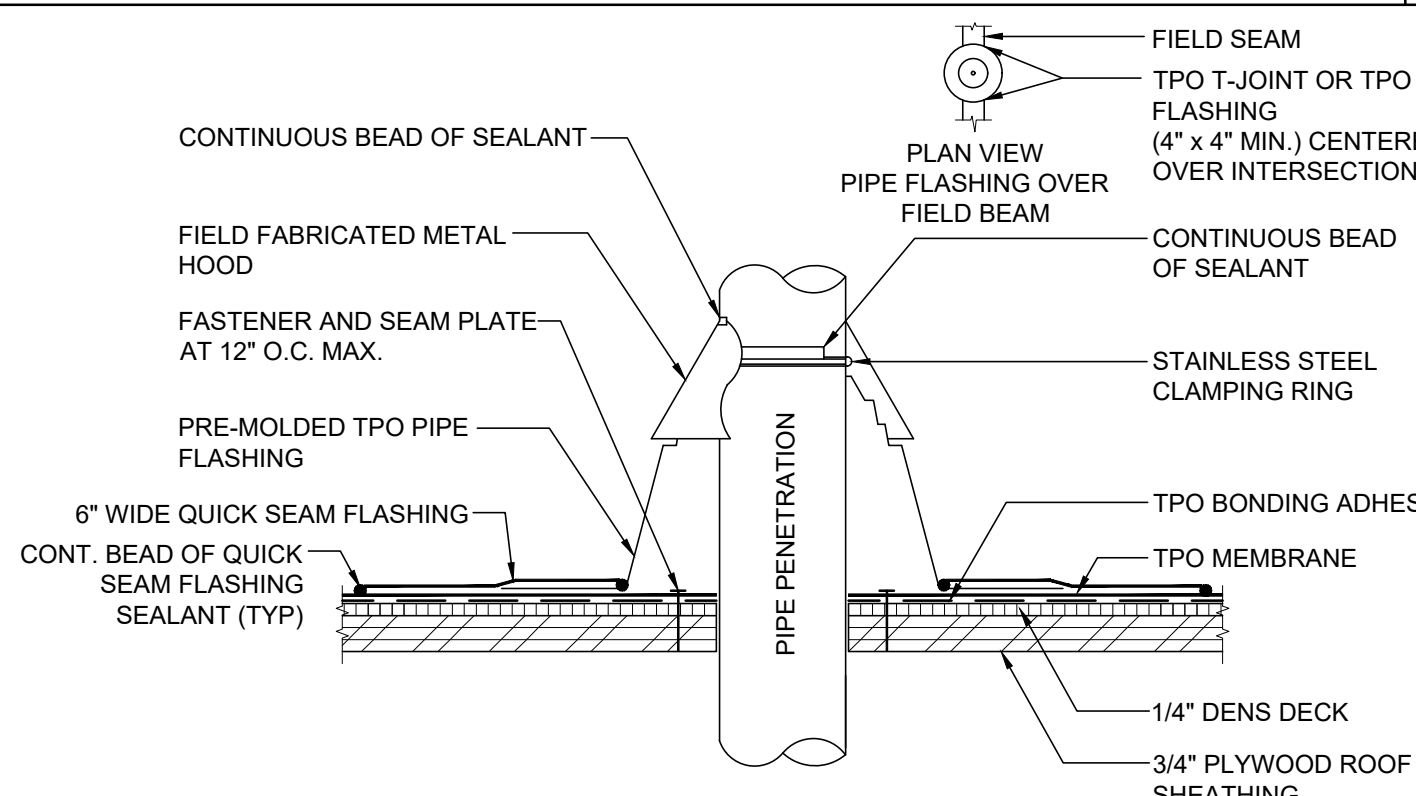
FRONT PARAPET SECTION (STEEL FRAME) SCALE : 1 1/2" = 1'-0" 13



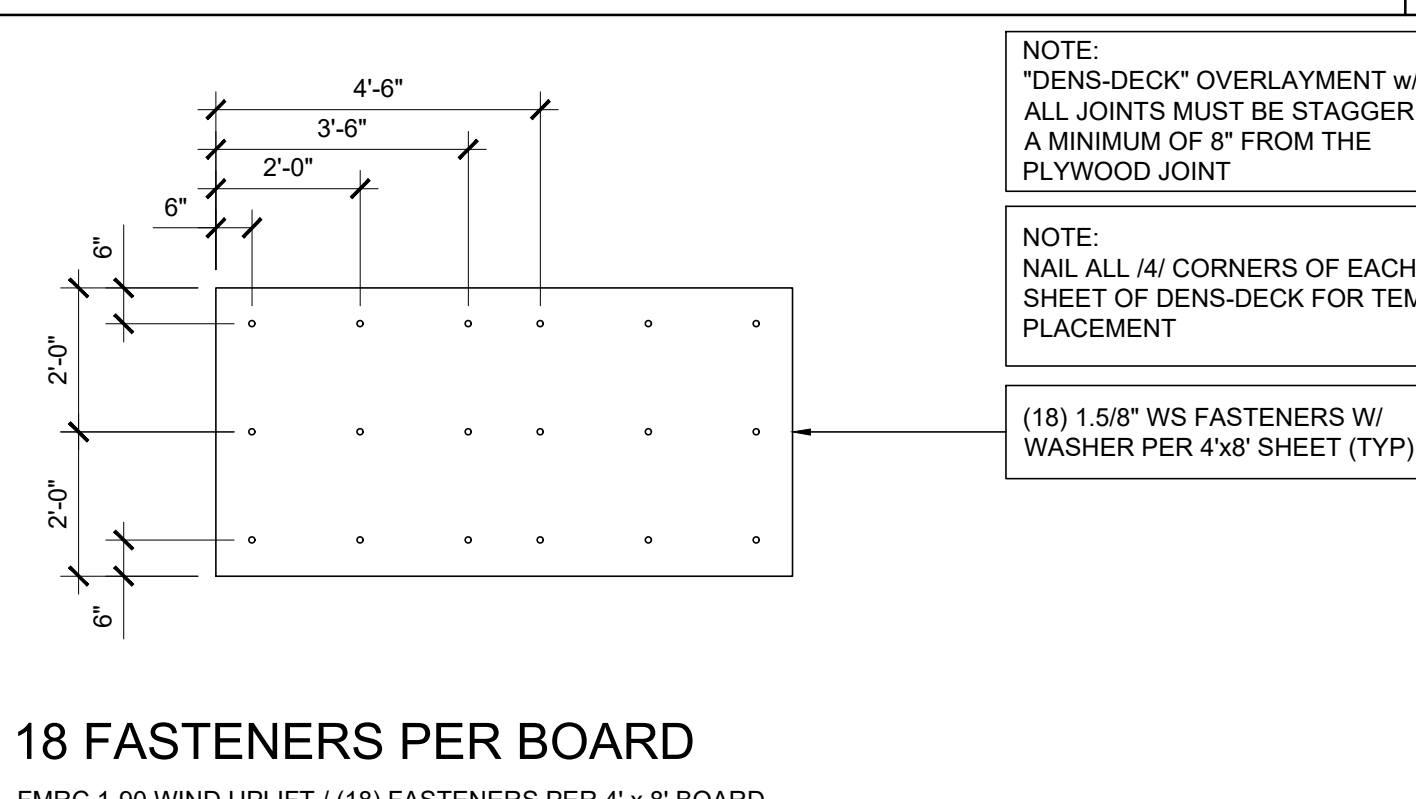
PARAPET CAP DETAIL SCALE : 1 1/2" = 1'-0" 15



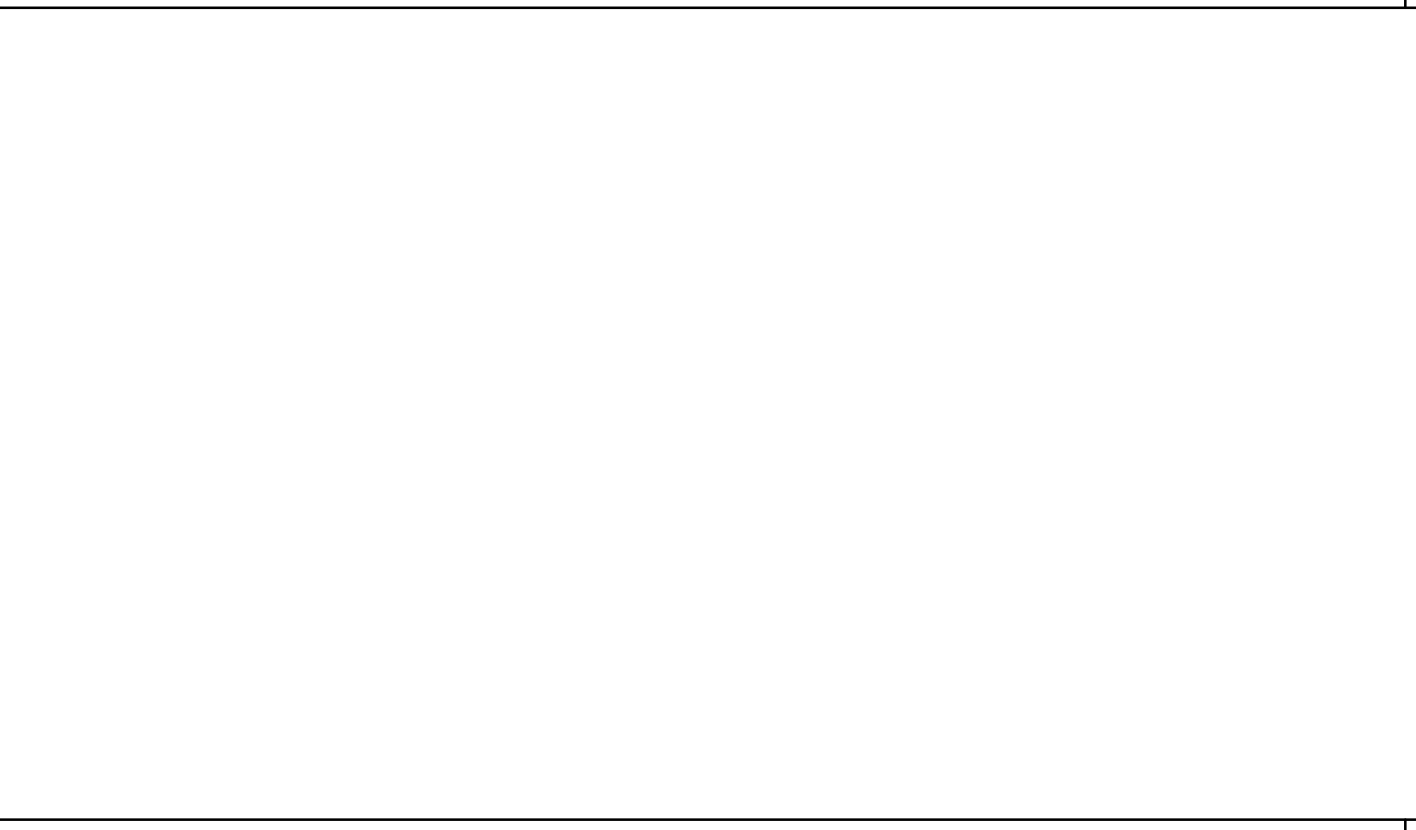
TPO LAP SPLICE SCALE : 6" = 1'-0" 6



TPO PIPE FLASHING SCALE : 3" = 1'-0" 7



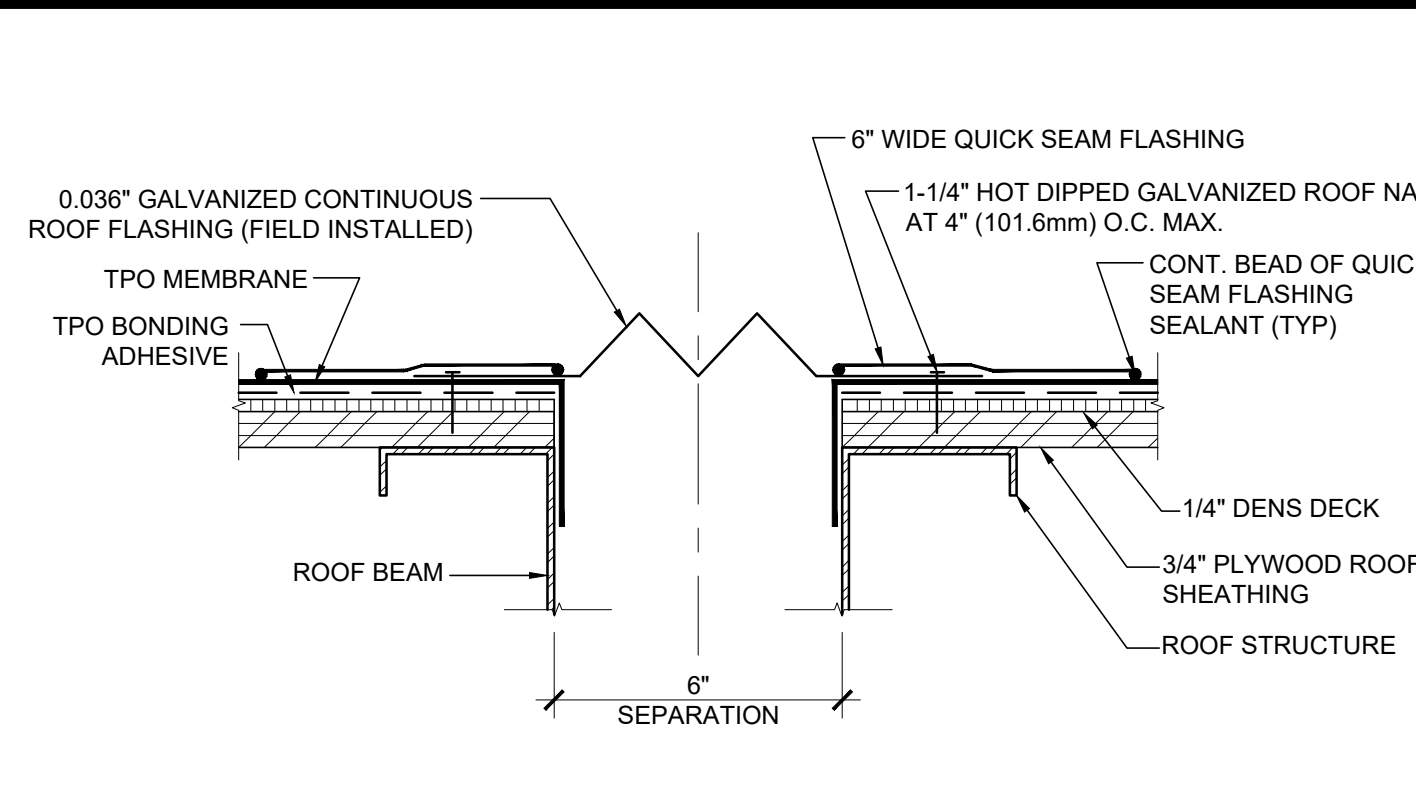
18 FASTENERS PER BOARD FMRC 1-90 WIND UPLIFT / (18) FASTENERS PER 4' x 8' BOARD



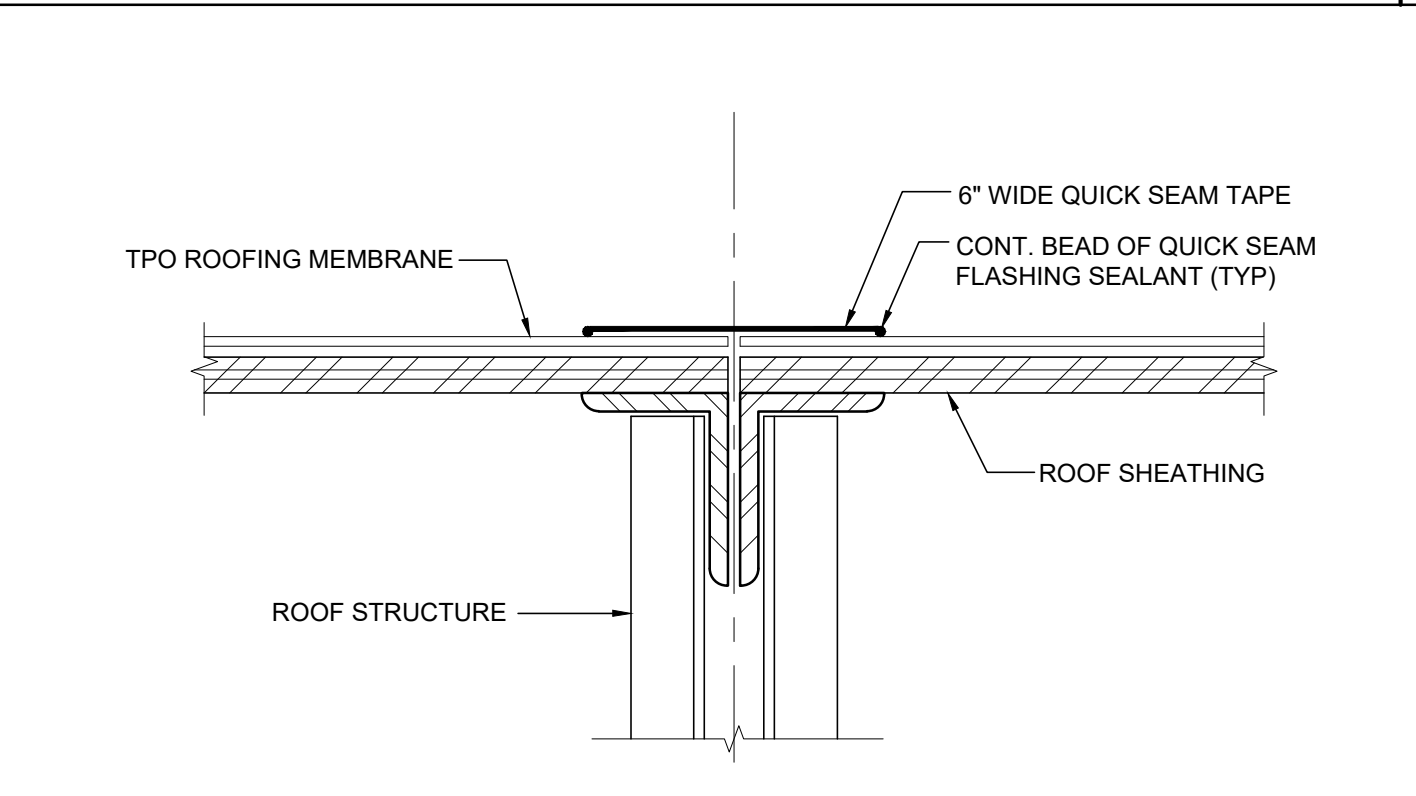
DENS-DECK FASTENING DIAGRAM SCALE : NTS 8



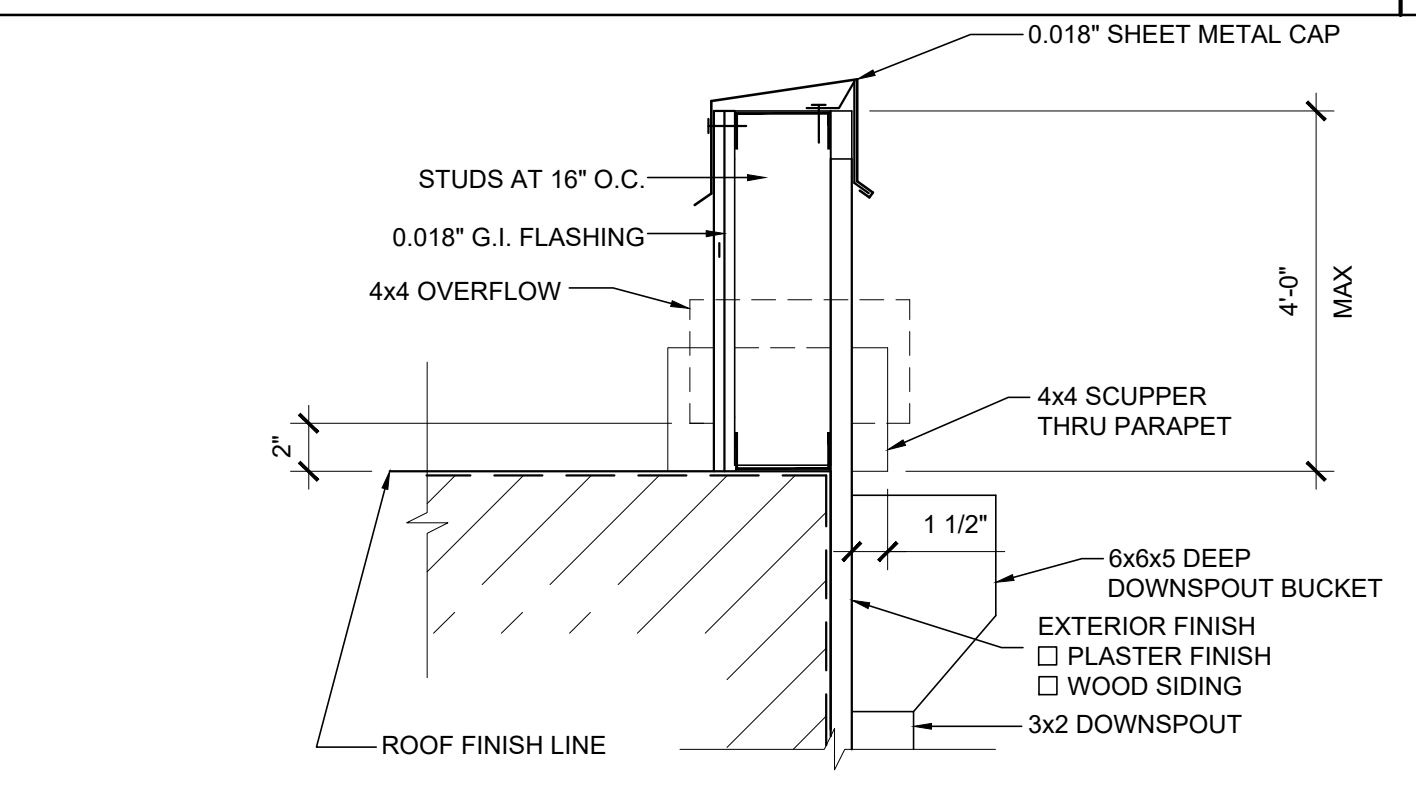
SECTION AT CRICKET SCALE : 1 1/2" = 1'-0" 10



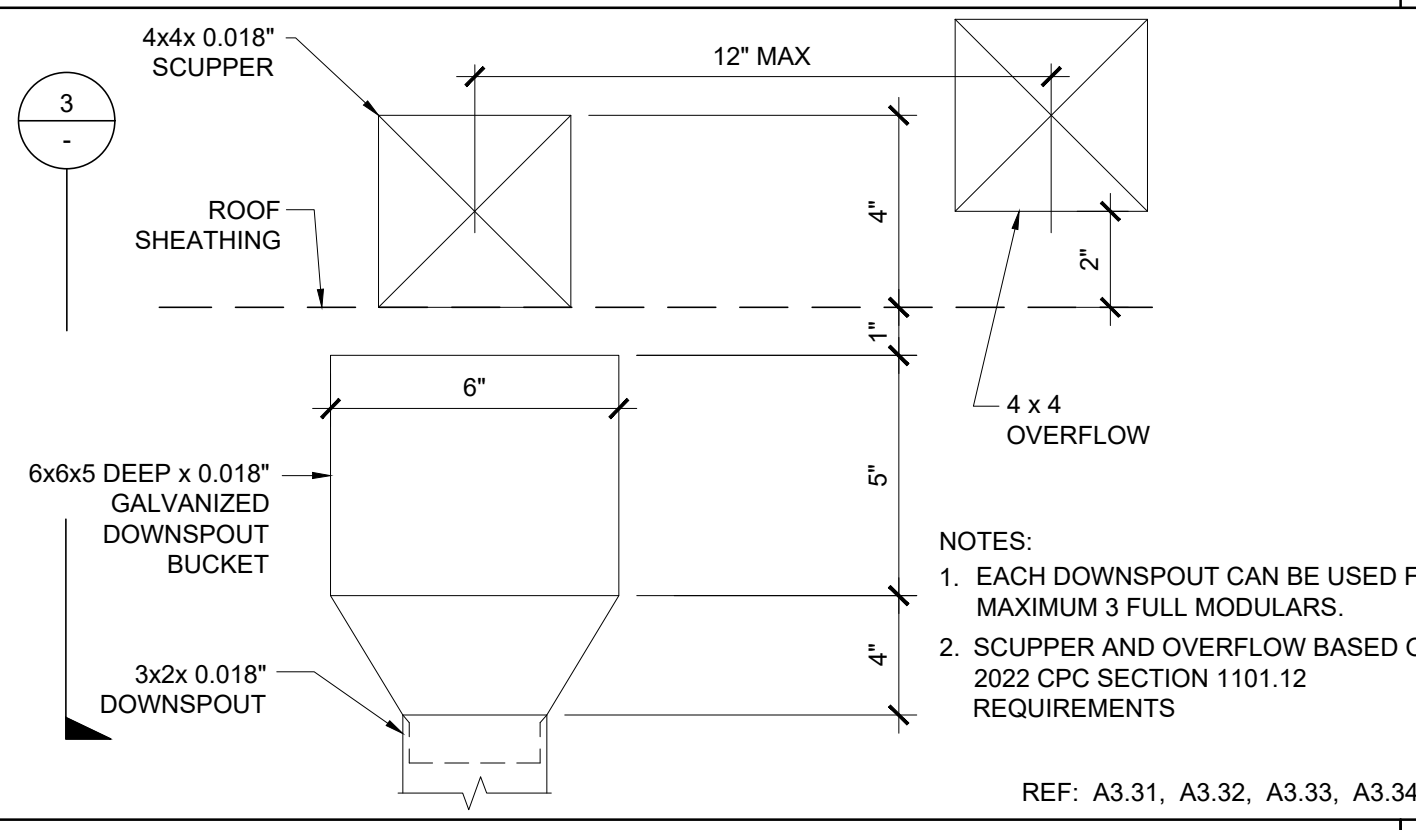
TPO ROOF AT SEPARATION SCALE : 3" = 1'-0" 1



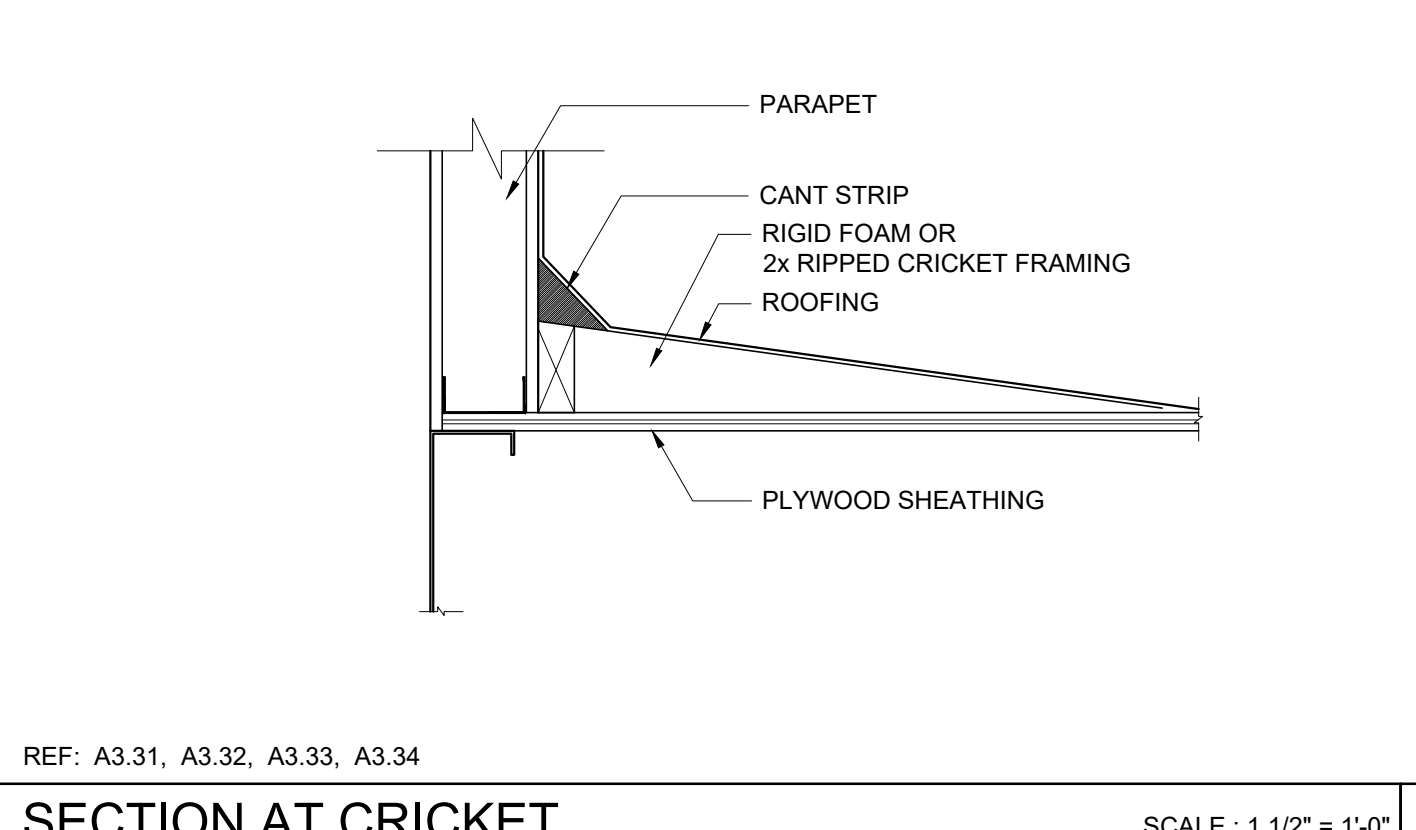
TPO ROOF AT MODLINE SCALE : 3" = 1'-0" 2



PARAPET DETAIL SCALE : 1 1/2" = 1'-0" 3



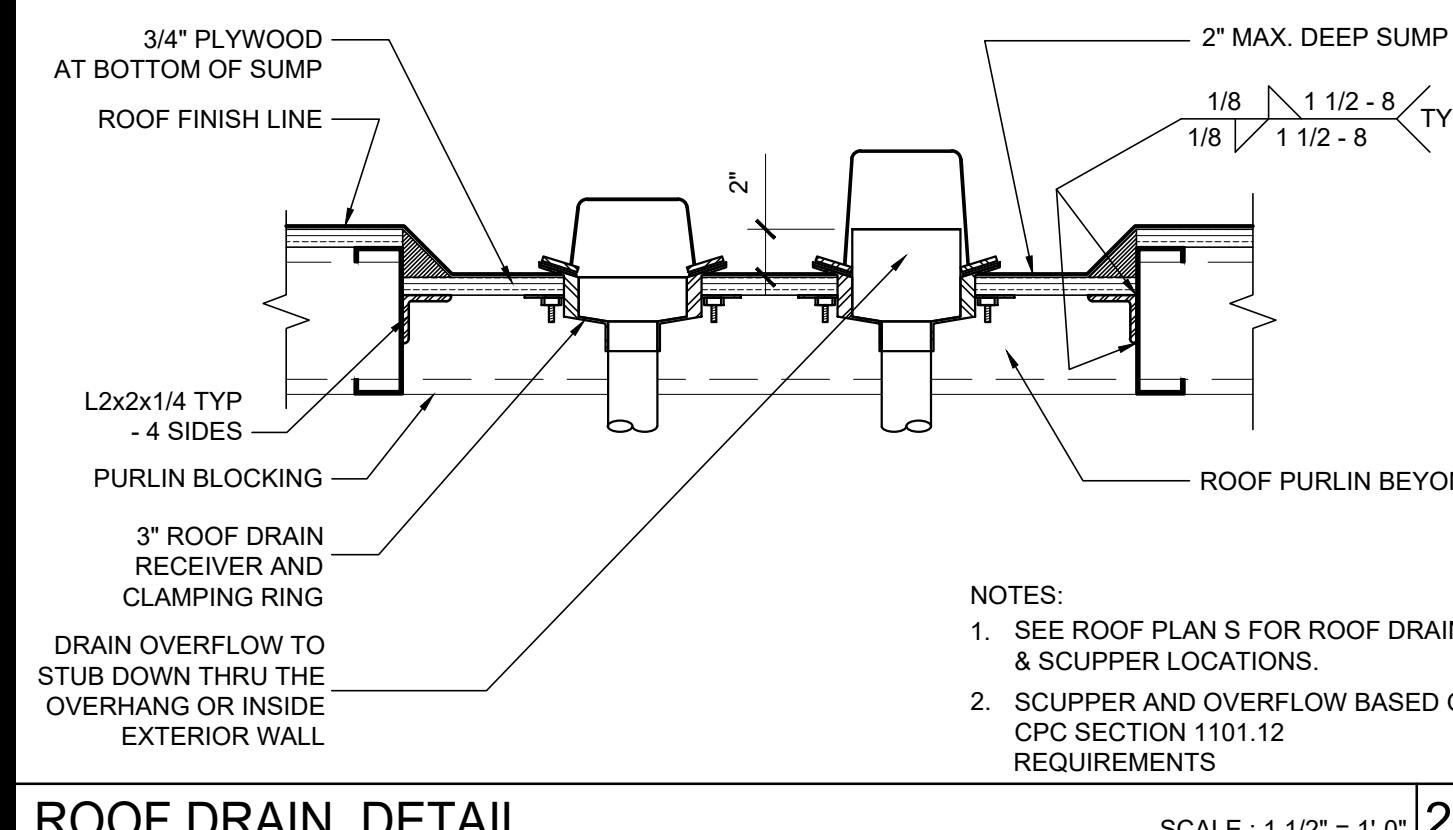
SCUPPER DETAIL AT PARAPET SCALE : 3" = 1'-0" 4



SECTION AT CRICKET SCALE : 1 1/2" = 1'-0" 5



ROOF DRAIN DETAIL SCALE : 1 1/2" = 1'-0" 20



ROOF DRAIN DETAIL SCALE : 1 1/2" = 1'-0" 20

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SHEET TITLE:

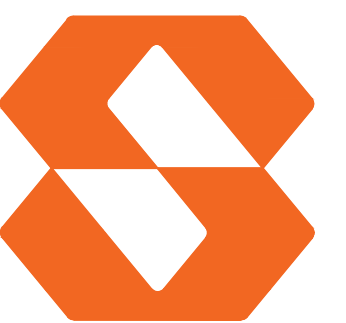
ROOF DETAILS
PARAPET

REVISIONS


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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

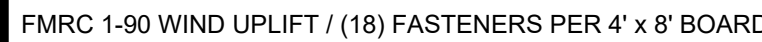
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SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-3.80



(18) #12 x 1 5/8" WS FASTENERS W/
WASHER PER 4'x8' SHEET (TYP)



SCALE: 3"=1'-0"



SCALE: 3"=1'-0"



SCALE : 3"=1'-0"

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PROJECT NAME

SHEET TITLE

REVISIONS



SCALE: 3"=1'-0"



SCALE: 3"=1'-0"



SCALE: 6" = 1' 0"



SCALE: 3" = 1'-0"



SCALE: 3"=1'-0"

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

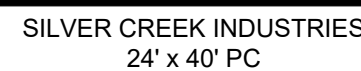
An identification stamp from the Division of the State Architect. It contains the following text: "IDENTIFICATION STAMP", "DIV. OF THE STATE ARCHITECT", "APP. 04 121999 INC:", "REVIEWED FOR", "SS ☒ FLS ☒ ACS ☒", and "DATE: 08/31/2023". The stamp is crossed out with a large 'X'.

PC STATE AGENCY APPROVAL _____



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

MODULAR BUILDING DESIGN PROFESSIONAL



PROJECT NO.

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

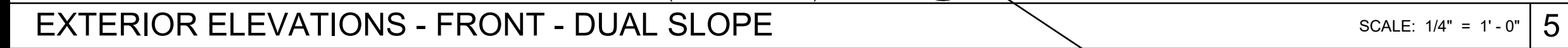
A-3.90



SCALE : 3" = 1'-0"

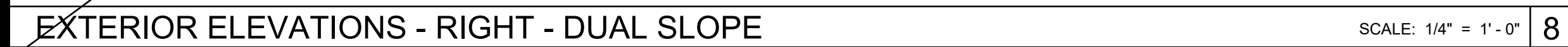
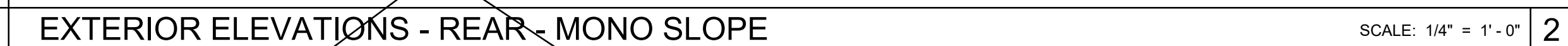
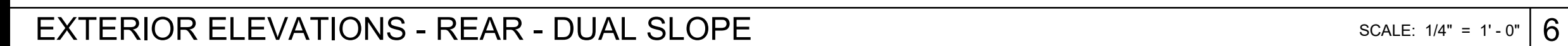


SCALE : 3" = 1'-

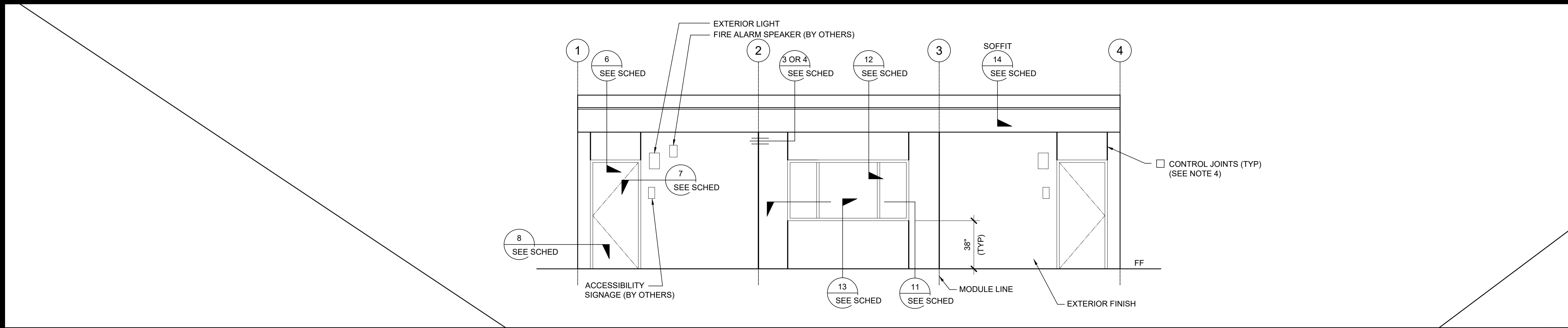


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|-----------------|
| DETAIL SCHEDULE |
|-----------------|

FIRE RATED DETAIL SCHEDULE	
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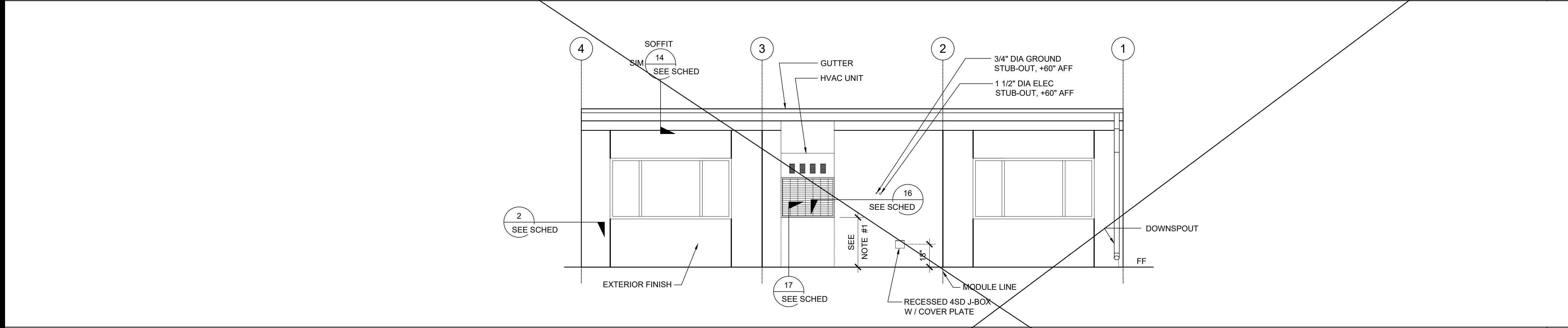
A-4.01



EXTERIOR ELEVATIONS - FRONT - MONO SLOPE

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

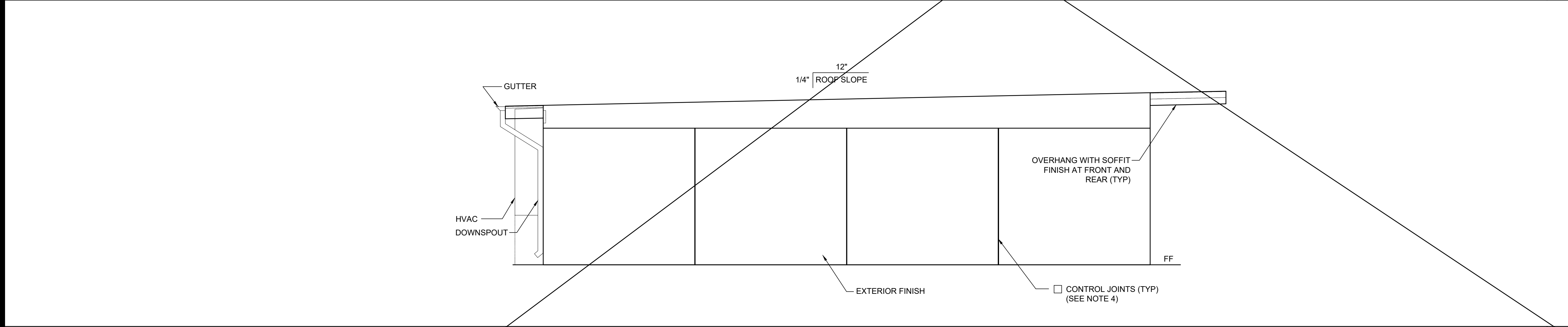
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EXTERIOR ELEVATIONS - REAR - MONO SLOPE

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

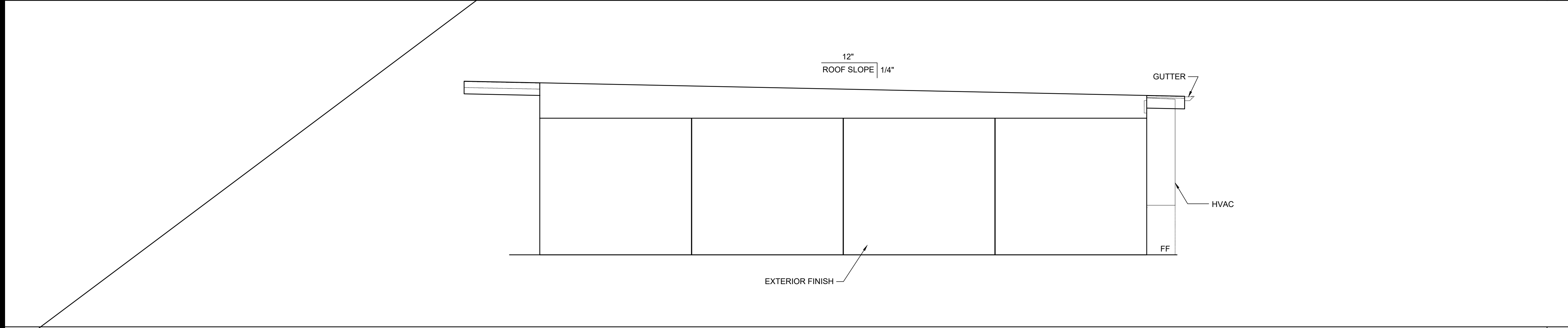
2



EXTERIOR ELEVATIONS - LEFT - MONO SLOPE

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

3



EXTERIOR ELEVATIONS - RIGHT - MONO SLOPE

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

4

NOTES (EXTERIOR ELEVATION)

1. 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
2. RAMP (WHERE OCCURS), NOT SHOWN FOR CLARITY.
3. 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)
4. FOR PLASTER ONLY, PROVIDE CONTROL JOINT AT EACH MODLINE ON END WALLS, 10'-0" OC AT SIDE WALLS, AND / OR ABOVE AND BELOW OPENINGS. WHERE FIRE RATED WALLS ARE REQUIRED, MATERIALS AND METHODS OF CONSTRUCTION USED TO PROTECT JOINTS WILL COMPLY WITH CBC SECTION 703.2 AND 705.
5. EXTERIOR PROJECTIONS SHALL COMPLY W/ SECTION 705 AND 1406, 2022 CBC
6. 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 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

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PROJECT NAME:

SHEET TITLE:

EXTERIOR ELEVATION
36' X 40'
MONO SLOPE

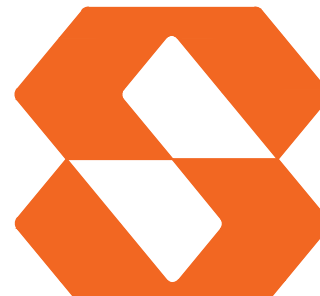
REVISIONS

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MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

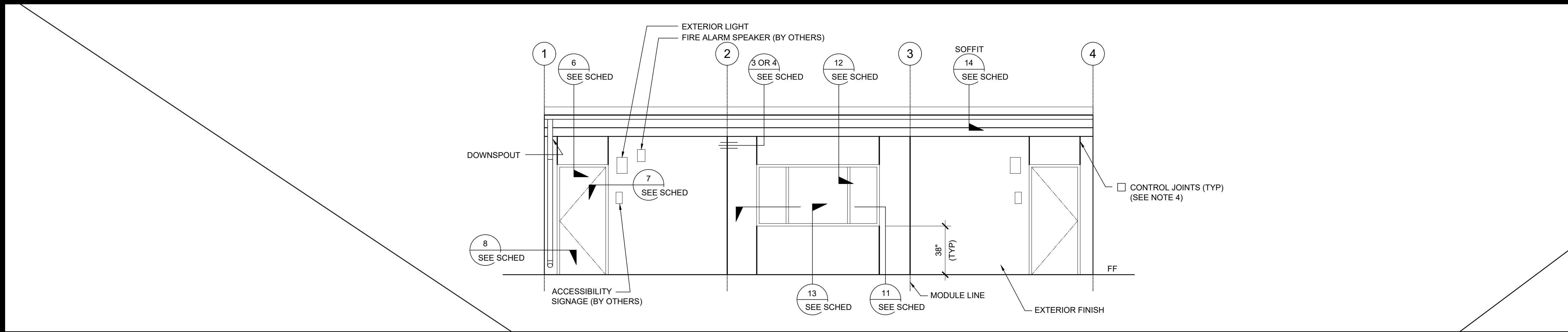
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

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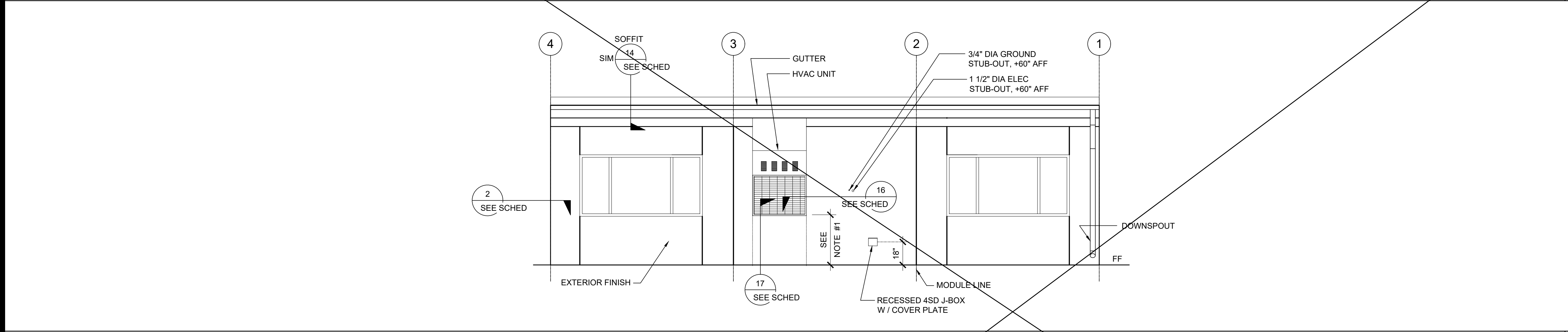
A-4.02



EXTERIOR ELEVATIONS - FRONT - DUAL SLOPE

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

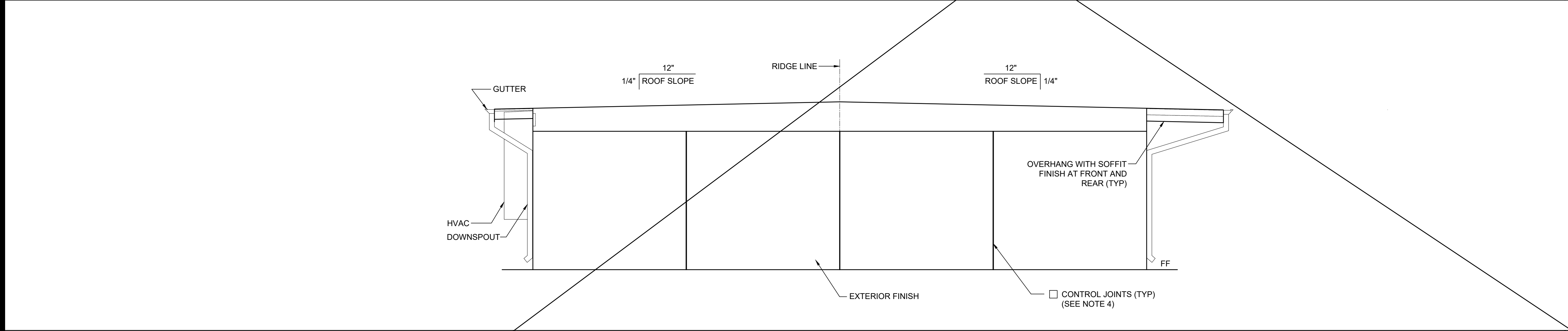
1



EXTERIOR ELEVATIONS - REAR - DUAL SLOPE

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

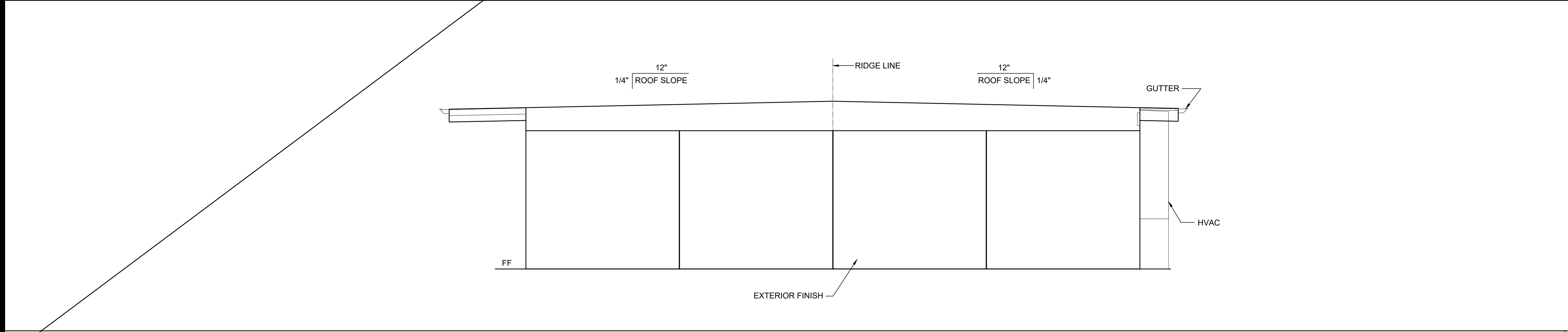
2



EXTERIOR ELEVATIONS - LEFT - DUAL SLOPE

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

3



EXTERIOR ELEVATIONS - RIGHT - DUAL SLOPE

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

4

NOTES (EXTERIOR ELEVATION)

1. 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
2. RAMP (WHERE OCCURS), NOT SHOWN FOR CLARITY.
3. WALL BEYOND HANDRAIL SHALL NOT HAVE ANY SHARP OR ABRASIVE SURFACE ADJACENT TO HANDRAILS. (GRIND SMOOTH ALL METAL RAKING CONNECTIONS - SMOOTH SURFACE TO EXTEND 18" ABOVE HANDRAIL)
4. FOR PLASTER ONLY, PROVIDE CONTROL JOINT AT EACH MODLINE, ON END WALLS, 10'-0" OC AT SIDE WALLS, AND / OR ABOVE AND BELOW OPENINGS. WHERE FIRE RATED WALLS ARE REQUIRED, MATERIALS AND METHODS OF CONSTRUCTION USED TO PROTECT JOINTS WILL COMPLY WITH CBC SECTION 703.2 AND 705.
5. EXTERIOR PROJECTIONS SHALL COMPLY W/ SECTION 705 AND 1406, 2022 CBC
6. 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 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

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:

SHEET TITLE:

EXTERIOR ELEVATION
36' X 40'
DUAL SLOPE

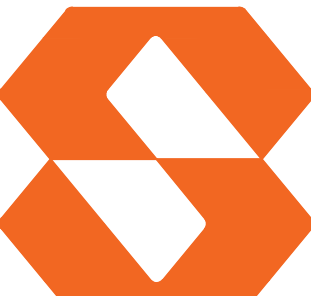
REVISIONS

- 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:

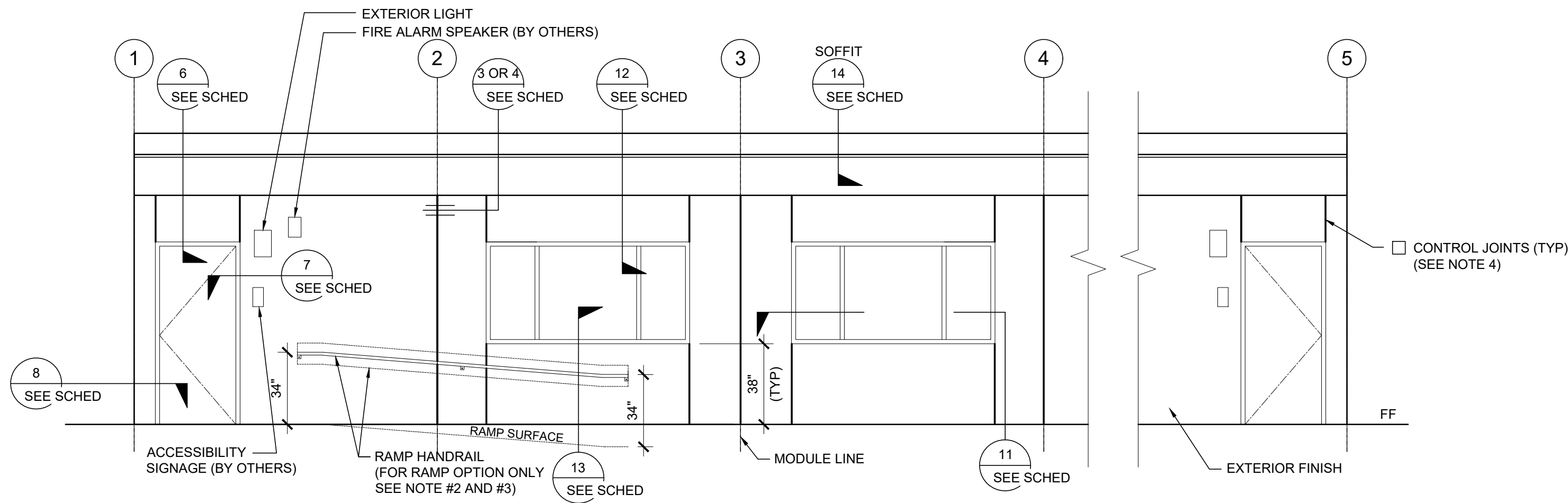
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

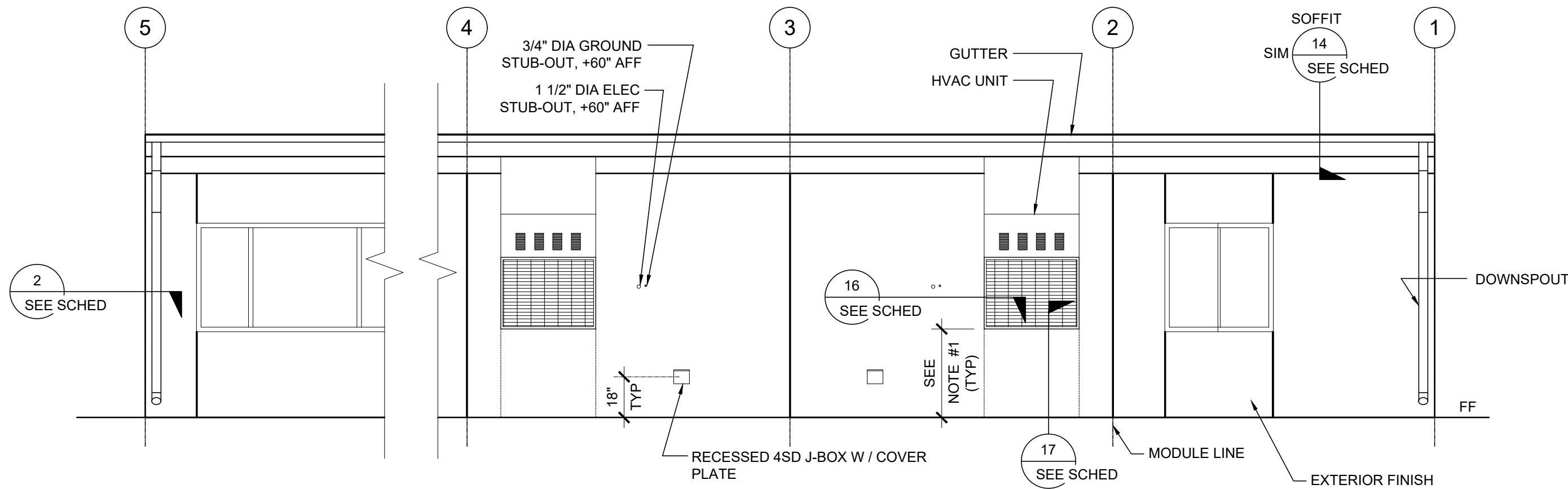
A-4.03



EXTERIOR ELEVATIONS - FRONT - MONO SLOPE

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

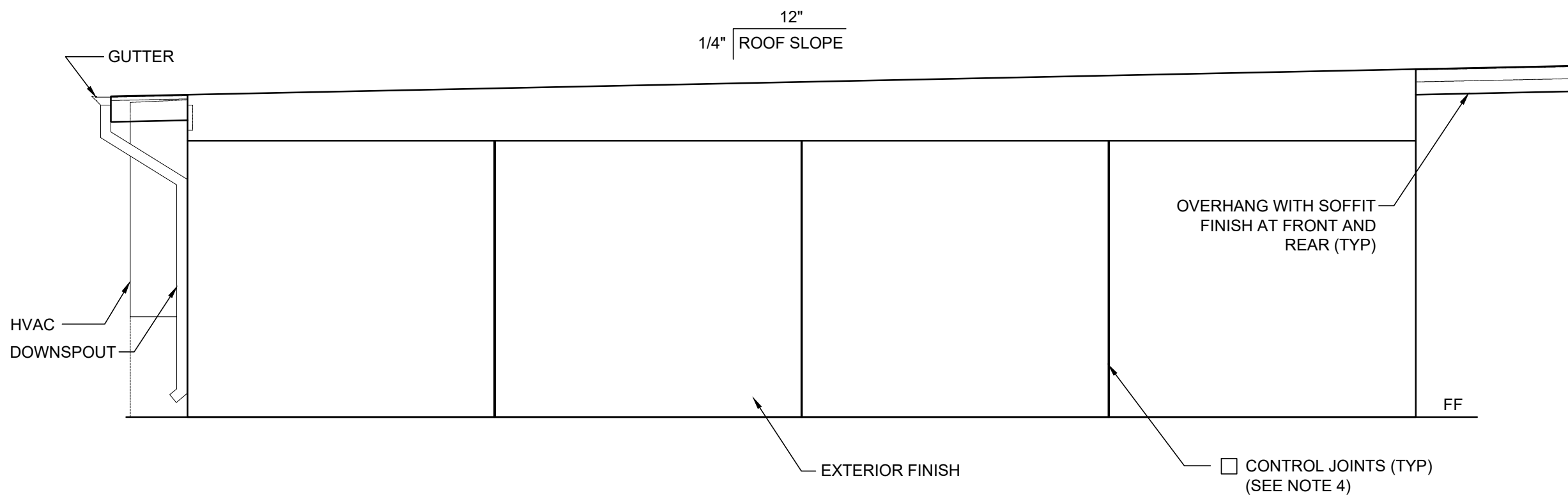
1



EXTERIOR ELEVATIONS - REAR - MONO SLOPE

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

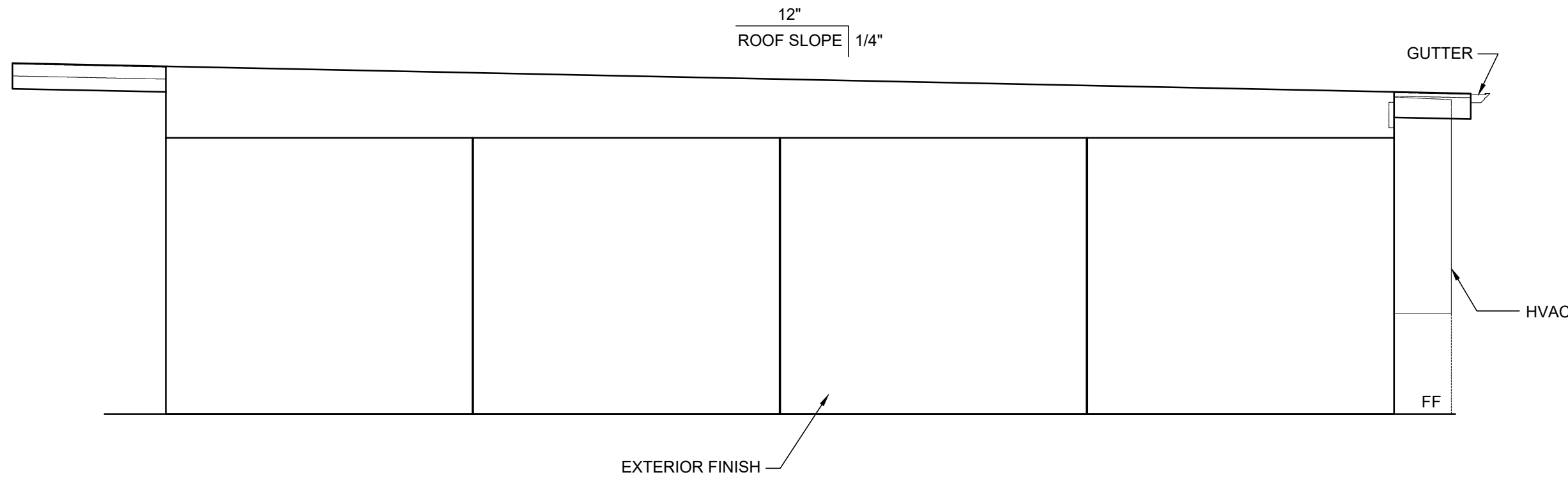
2



EXTERIOR ELEVATIONS - LEFT - MONO SLOPE

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

3



EXTERIOR ELEVATIONS - RIGHT - MONO SLOPE

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

4

NOTES (EXTERIOR ELEVATION)

1. 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
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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

PROJECT SPECIFIC STATE AGENCY APPROVAL

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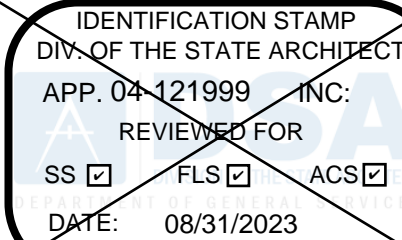
PROJECT NAME:

SHEET TITLE:

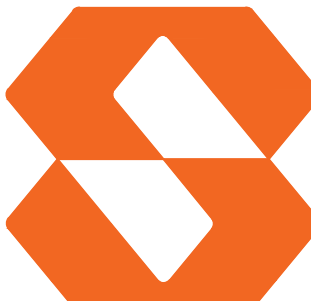
EXTERIOR ELEVATION
48' TO 120' X 40'
MONO SLOPE

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
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PC STATE AGENCY APPROVAL



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

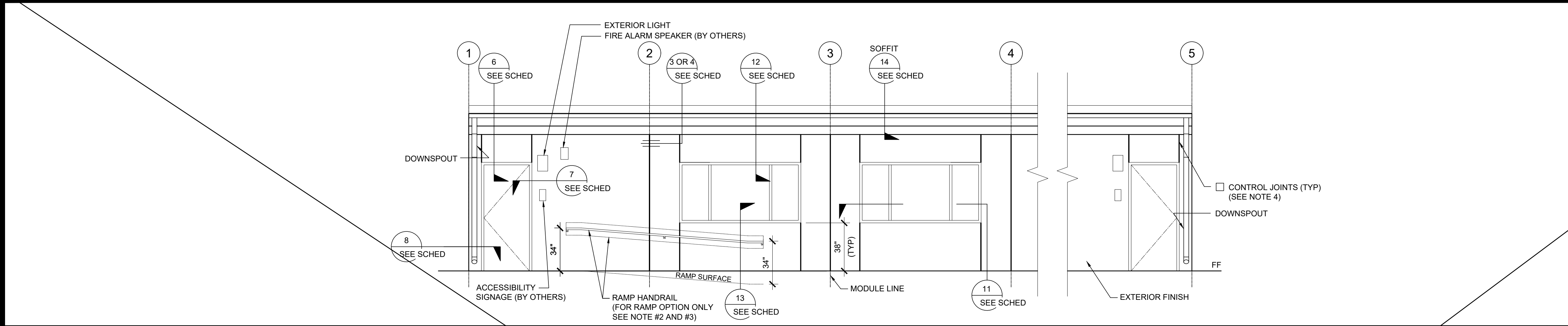
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

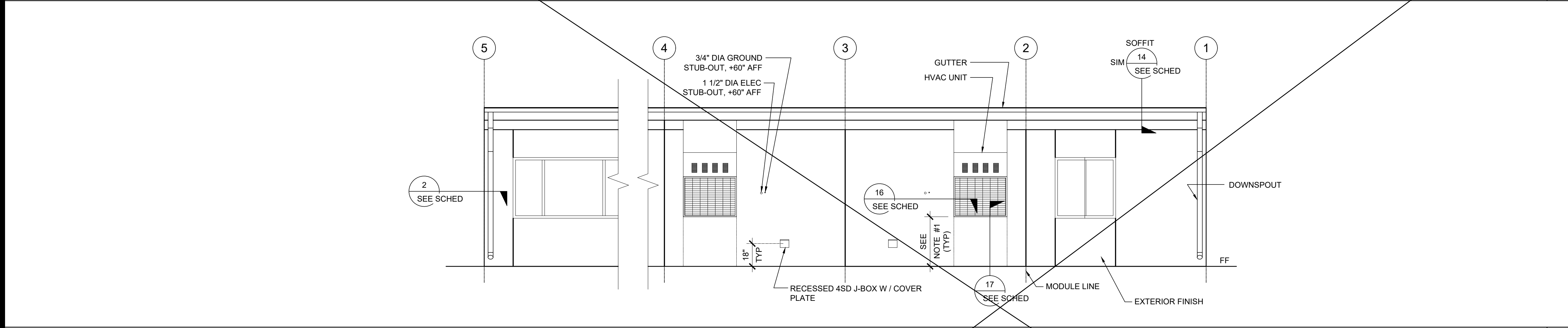
A-4.04



EXTERIOR ELEVATIONS - FRONT - DUAL SLOPE

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

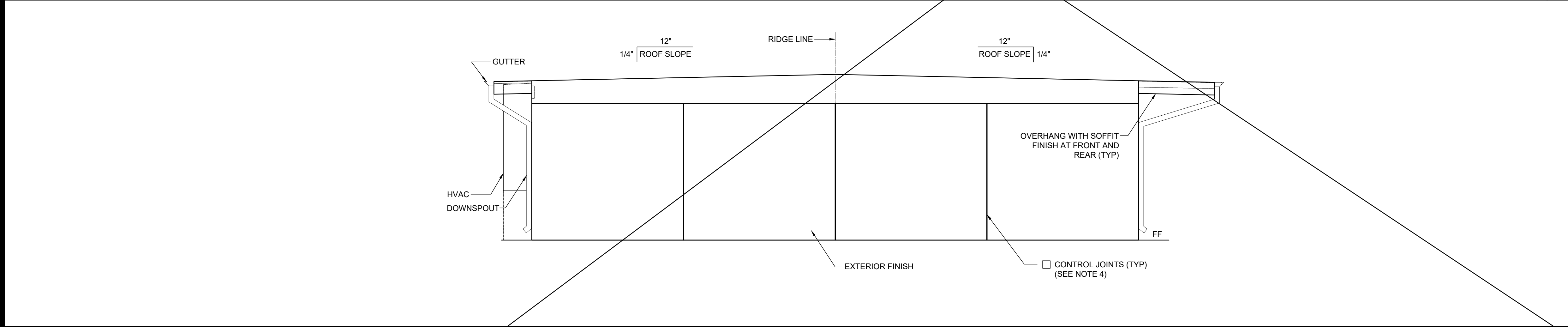
1



EXTERIOR ELEVATIONS - REAR - DUAL SLOPE

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

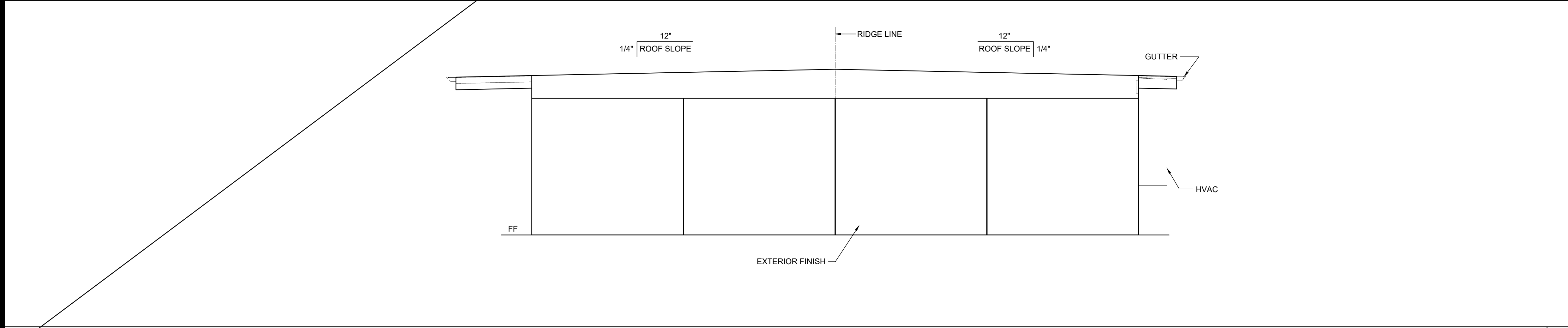
2



EXTERIOR ELEVATIONS - LEFT - DUAL SLOPE

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

3



EXTERIOR ELEVATIONS - RIGHT - DUAL SLOPE

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

4

NOTES (EXTERIOR ELEVATION)

1. 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
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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

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

EXTERIOR ELEVATION
48' TO 120' X 40'
DUAL SLOPE

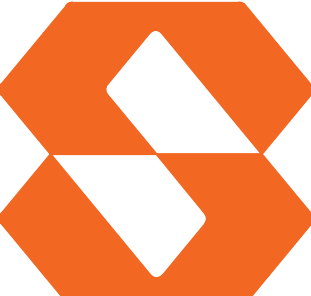
REVISIONS

- 1
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- 5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
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REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
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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:

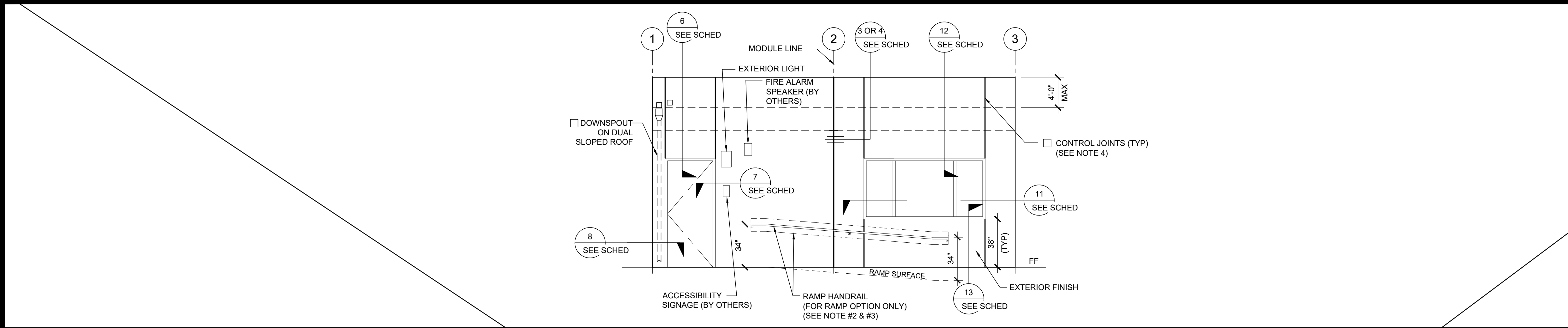
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

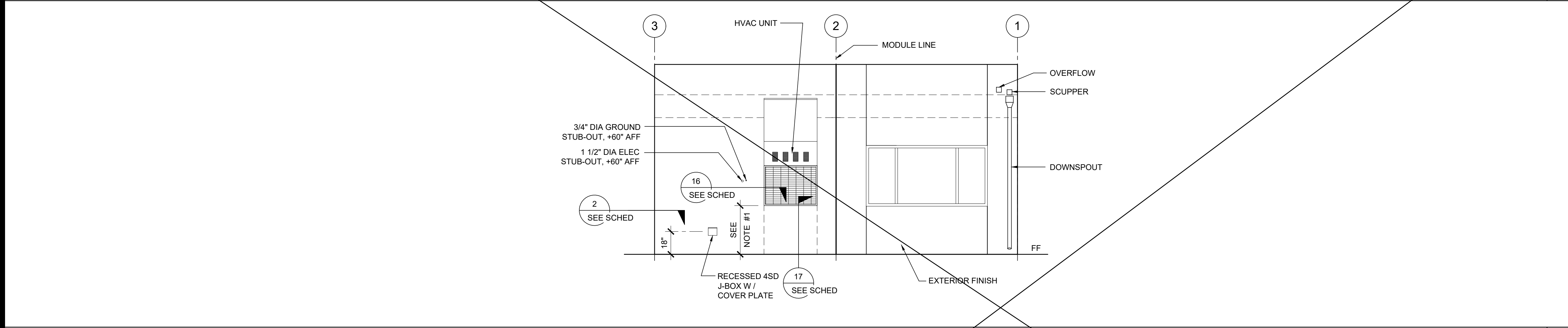
A-4.05



EXTERIOR ELEVATIONS - FRONT - MONO OR DUAL SLOPE

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

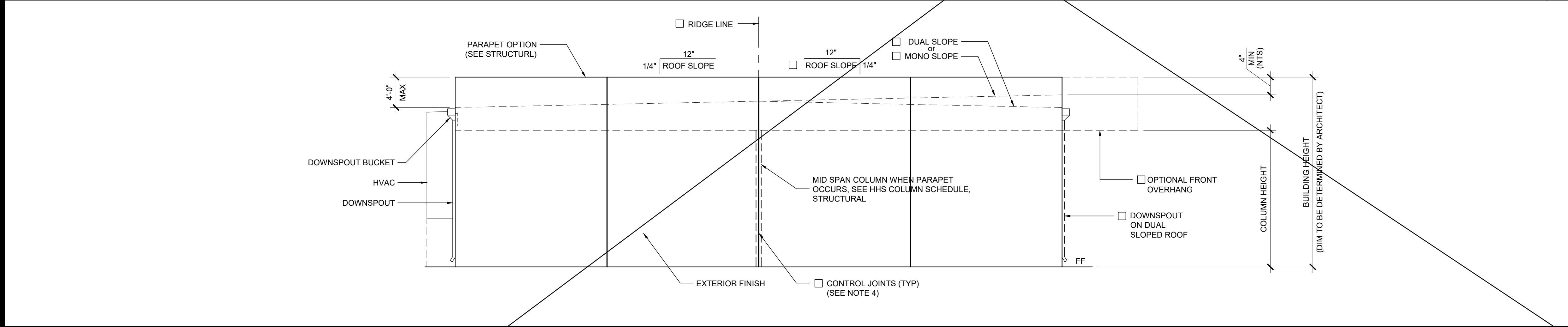
1



EXTERIOR ELEVATIONS - REAR - MONO OR DUAL SLOPE

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

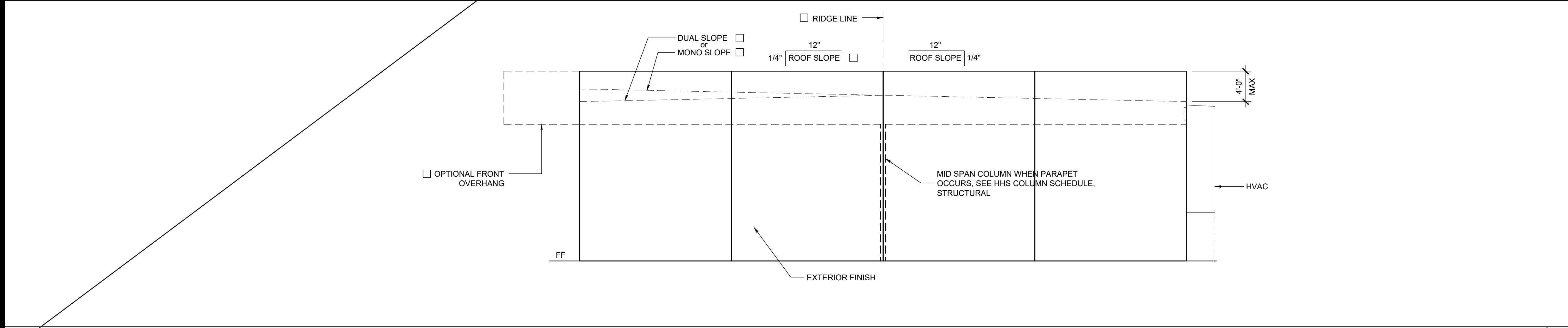
2



EXTERIOR ELEVATIONS - LEFT - MONO OR DUAL SLOPE

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

3



EXTERIOR ELEVATIONS - RIGHT - MONO OR DUAL SLOPE

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

4

NOTES (EXTERIOR ELEVATION)

1. 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
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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

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

EXTERIOR ELEVATION 24' X 40' PARAPET MONO / DUAL SLOPE

REVISIONS

1	
2	
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4	
5	

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
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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:

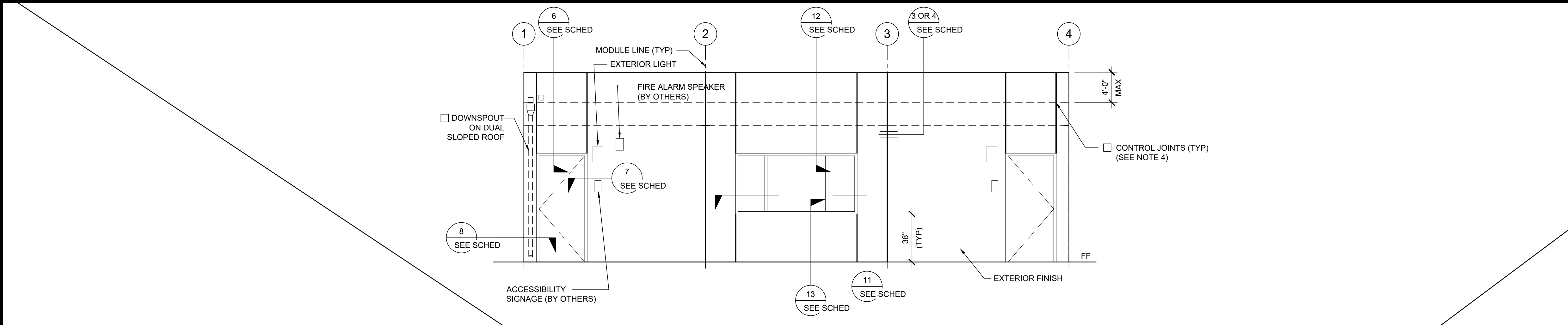
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

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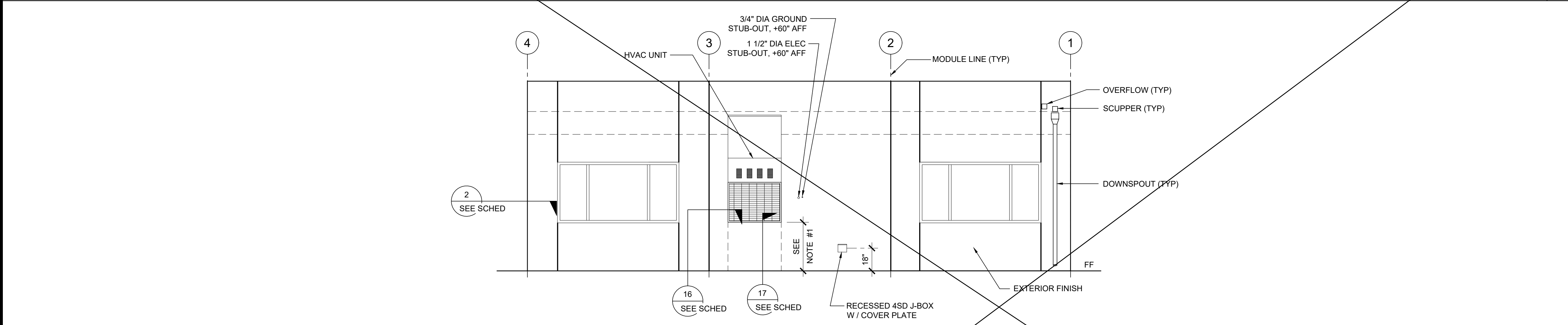
A-4.21



EXTERIOR ELEVATIONS - FRONT - MONO OR DUAL SLOPE

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

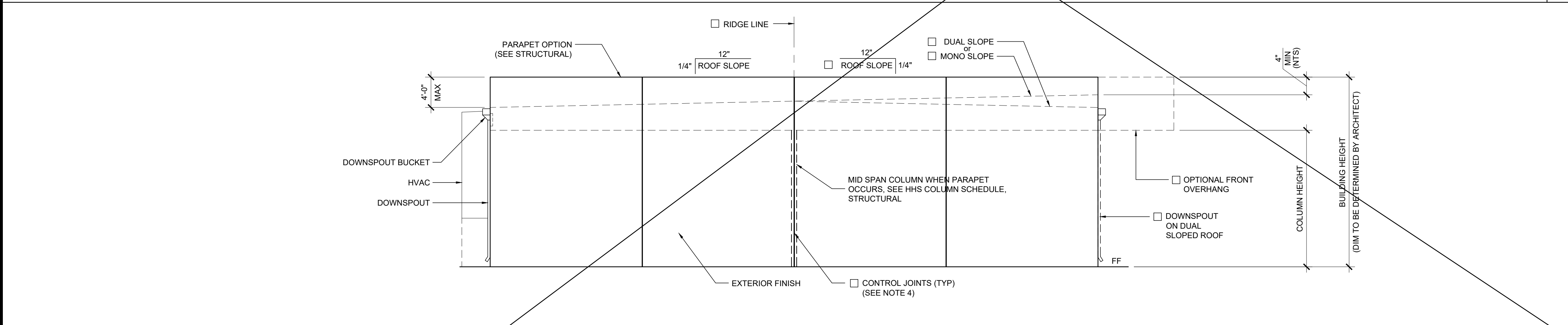
1



EXTERIOR ELEVATIONS - REAR - MONO OR DUAL SLOPE

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

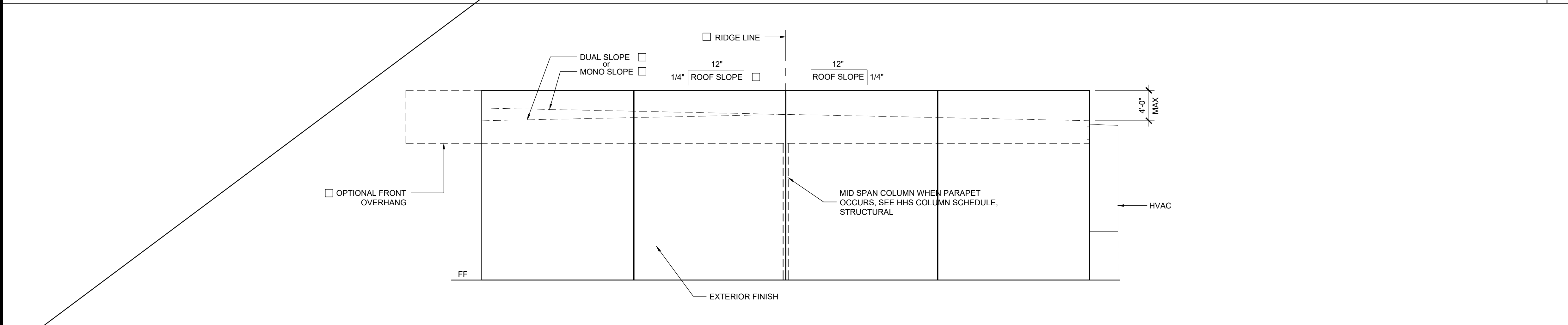
2



EXTERIOR ELEVATIONS - LEFT - MONO OR DUAL SLOPE

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

3



EXTERIOR ELEVATIONS - RIGHT - MONO OR DUAL SLOPE

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

4

NOTES (EXTERIOR ELEVATION)

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DETAIL SCHEDULE

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

FIRE RATED DETAIL SCHEDULE

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

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PROJECT NAME:

SHEET TITLE:

EXTERIOR ELEVATION 36' X 40' PARAPET MONO OR DUAL SLOPE

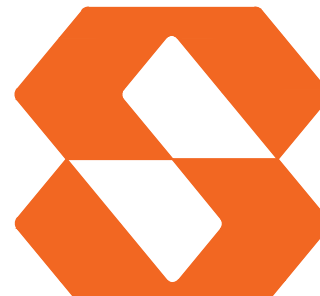
REVISIONS

1	
2	
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5	

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Silver Creek

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MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

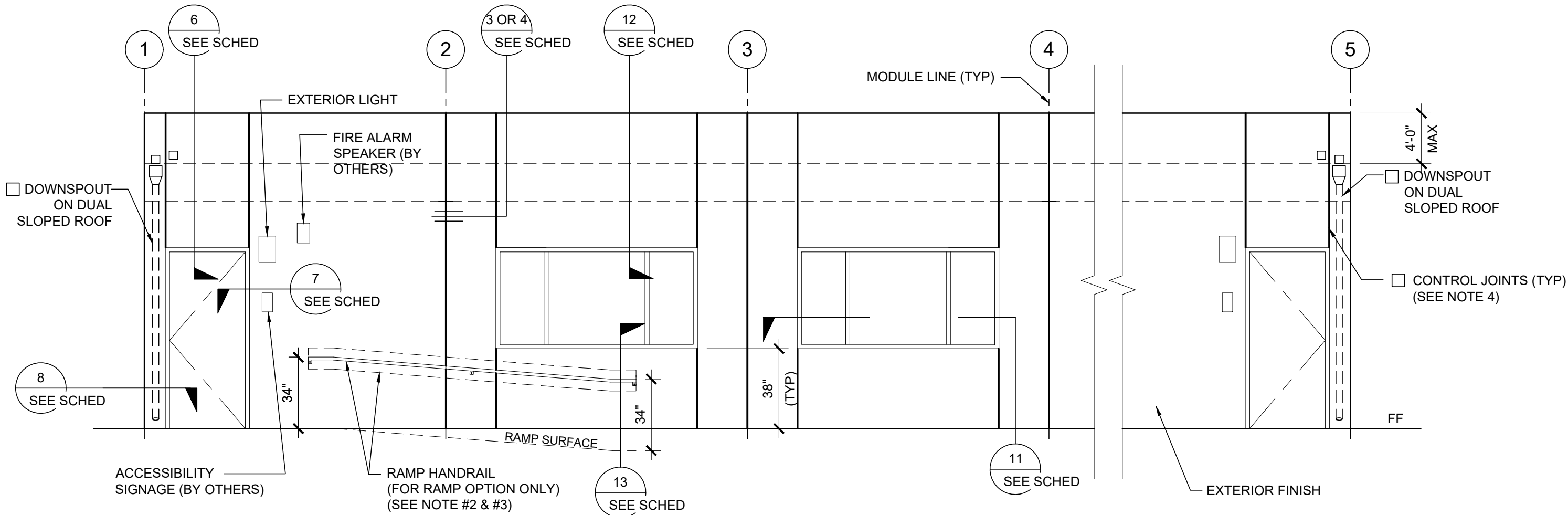
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

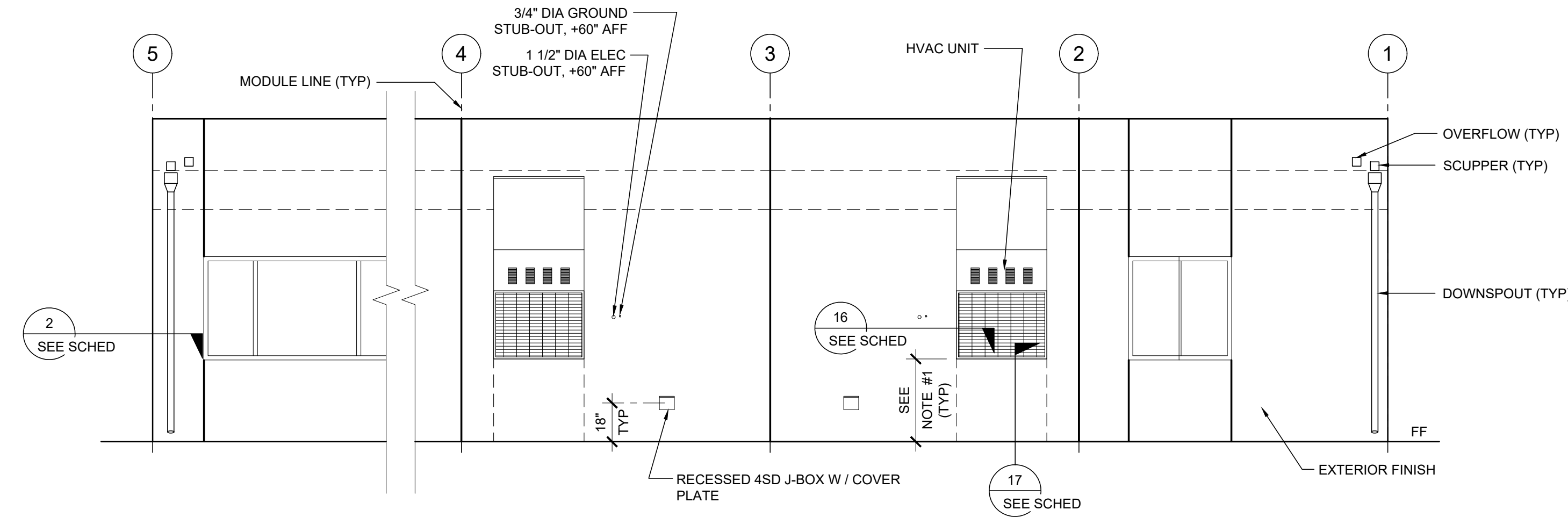
A-4.22



EXTERIOR ELEVATIONS - FRONT - MONO OR DUAL SLOPE

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

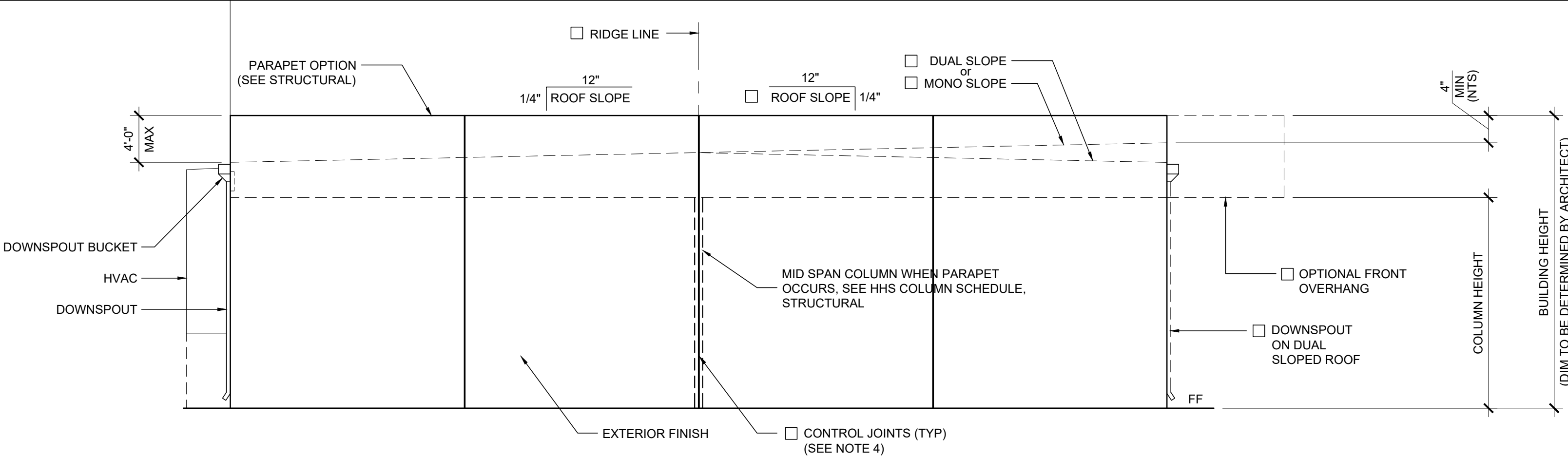
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EXTERIOR ELEVATIONS - REAR - MONO OR DUAL SLOPE

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

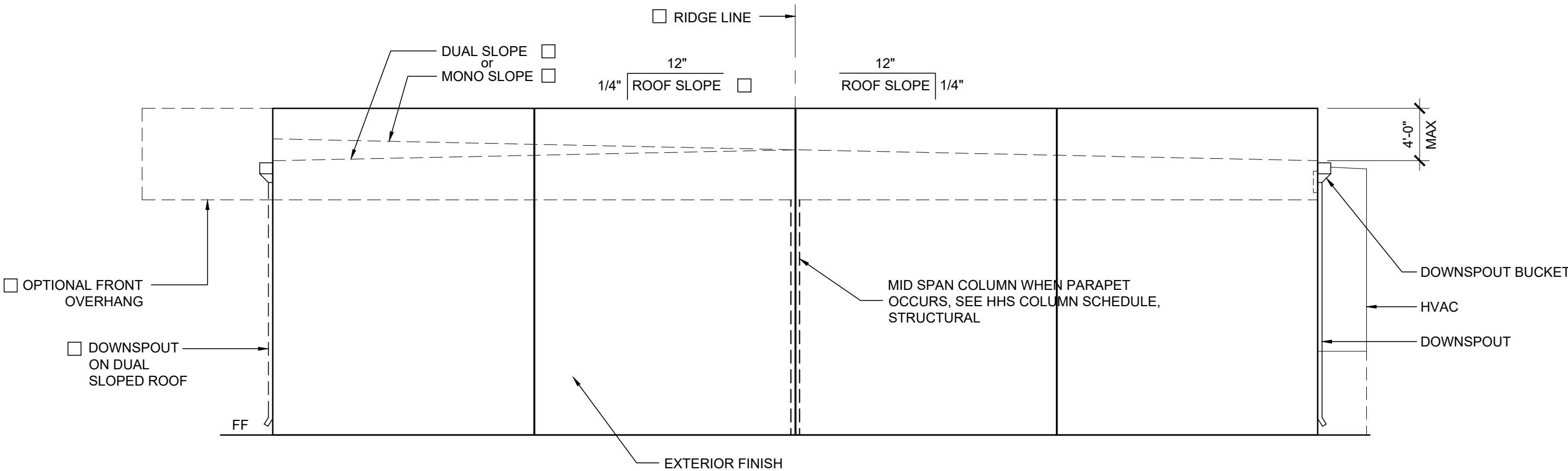
2



EXTERIOR ELEVATIONS - LEFT - MONO OR DUAL SLOPE

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

3



EXTERIOR ELEVATIONS - RIGHT - MONO OR DUAL SLOPE

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

4

NOTES (EXTERIOR ELEVATION)

1. 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
2. RAMP (WHERE OCCURS), NOT SHOWN FOR CLARITY.
3. 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)
4. FOR PLASTER ONLY, PROVIDE CONTROL JOINT AT EACH MODLINE, ON END WALLS, 10'-0" OC AT SIDE WALLS, AND / OR ABOVE AND BELOW OPENINGS. WHERE FIRE RATED WALLS ARE REQUIRED, MATERIALS AND METHODS OF CONSTRUCTION USED TO PROTECT JOINTS WILL COMPLY WITH CBC SECTION 703.2 AND 705.
5. EXTERIOR PROJECTIONS SHALL COMPLY W/ SECTION 705 AND 1406, 2022 CBC
6. 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 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

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:

EXTERIOR ELEVATION
48' TO 120' X 40' PARAPET
MONO OR DUAL SLOPE

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-4.23

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	
FINISH:	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
FLOOR OPTION	
<input type="checkbox"/> WOOD FLOOR	
<input type="checkbox"/> CONCRETE FLOOR	

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.

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PROJECT NAME:

SHEET TITLE:

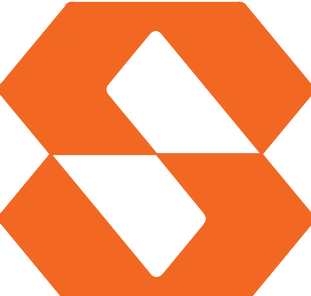
CROSS SECTION
MONO SLOPE

REVISIONS


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SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

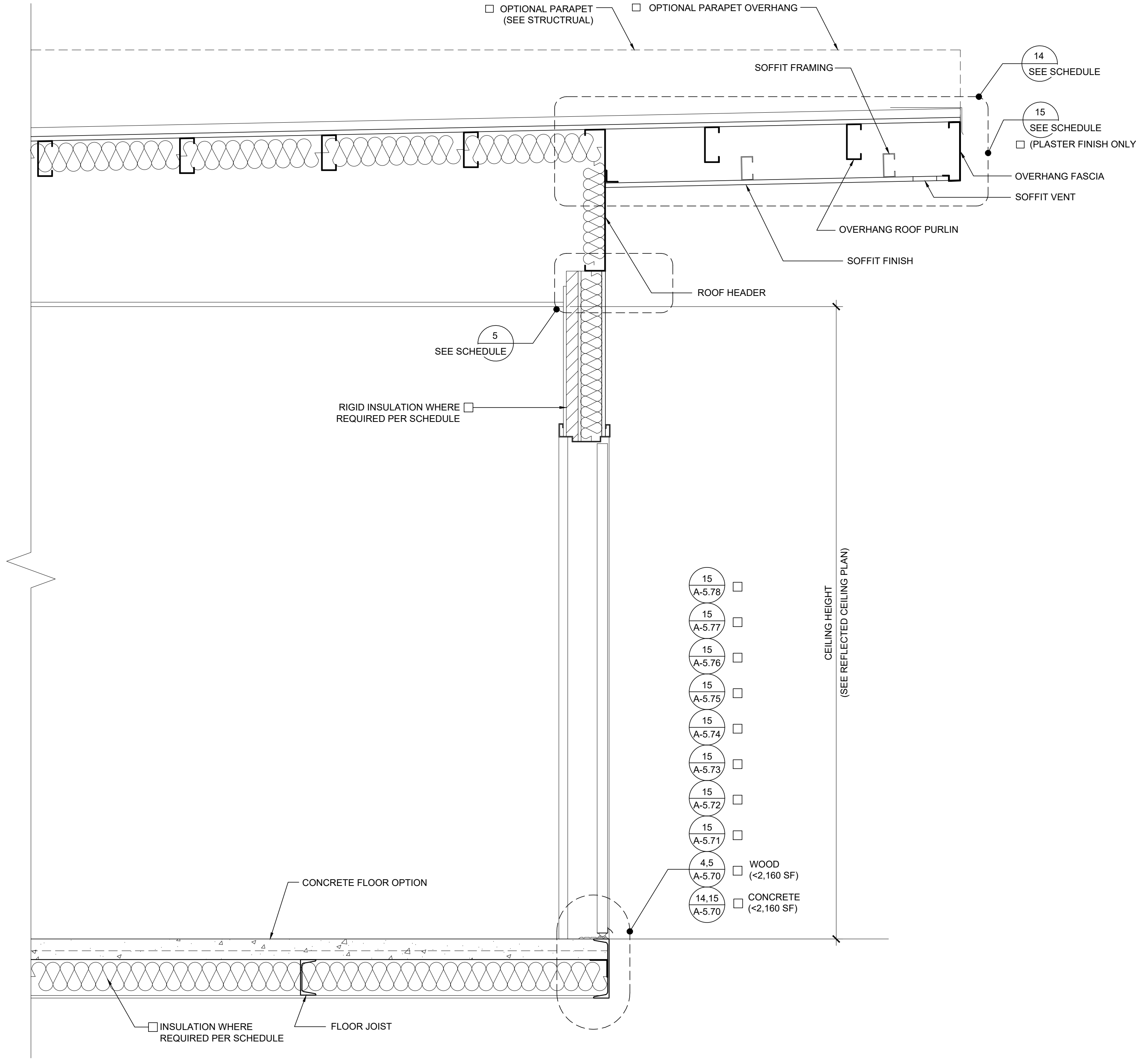
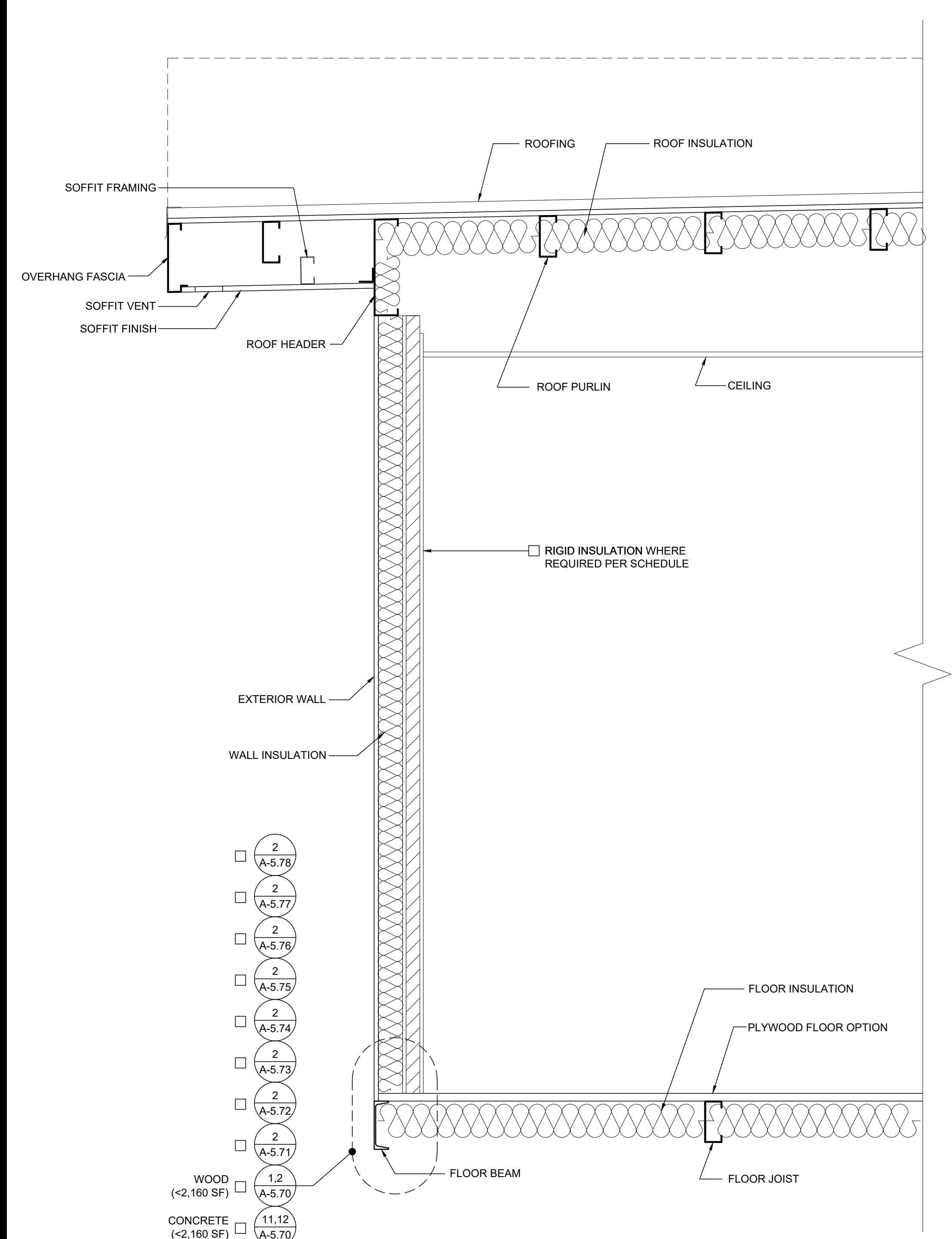
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-5.01



BUILDING SECTION

SCALE: 1" = 1' - 0"

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	
FINISH:	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
FLOOR OPTION	
<input type="checkbox"/> WOOD FLOOR	
<input type="checkbox"/> CONCRETE FLOOR	

SEALANTS AND CAULKING:
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PROJECT NAME:

SHEET TITLE:

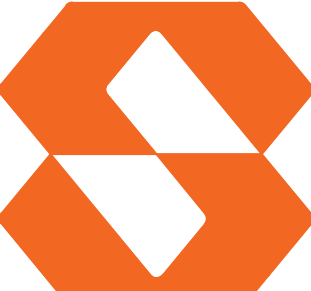
CROSS SECTION
DUAL SLOPE

REVISIONS


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SS ☐ FLS ☐ ACS ☒
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Silver Creek
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PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

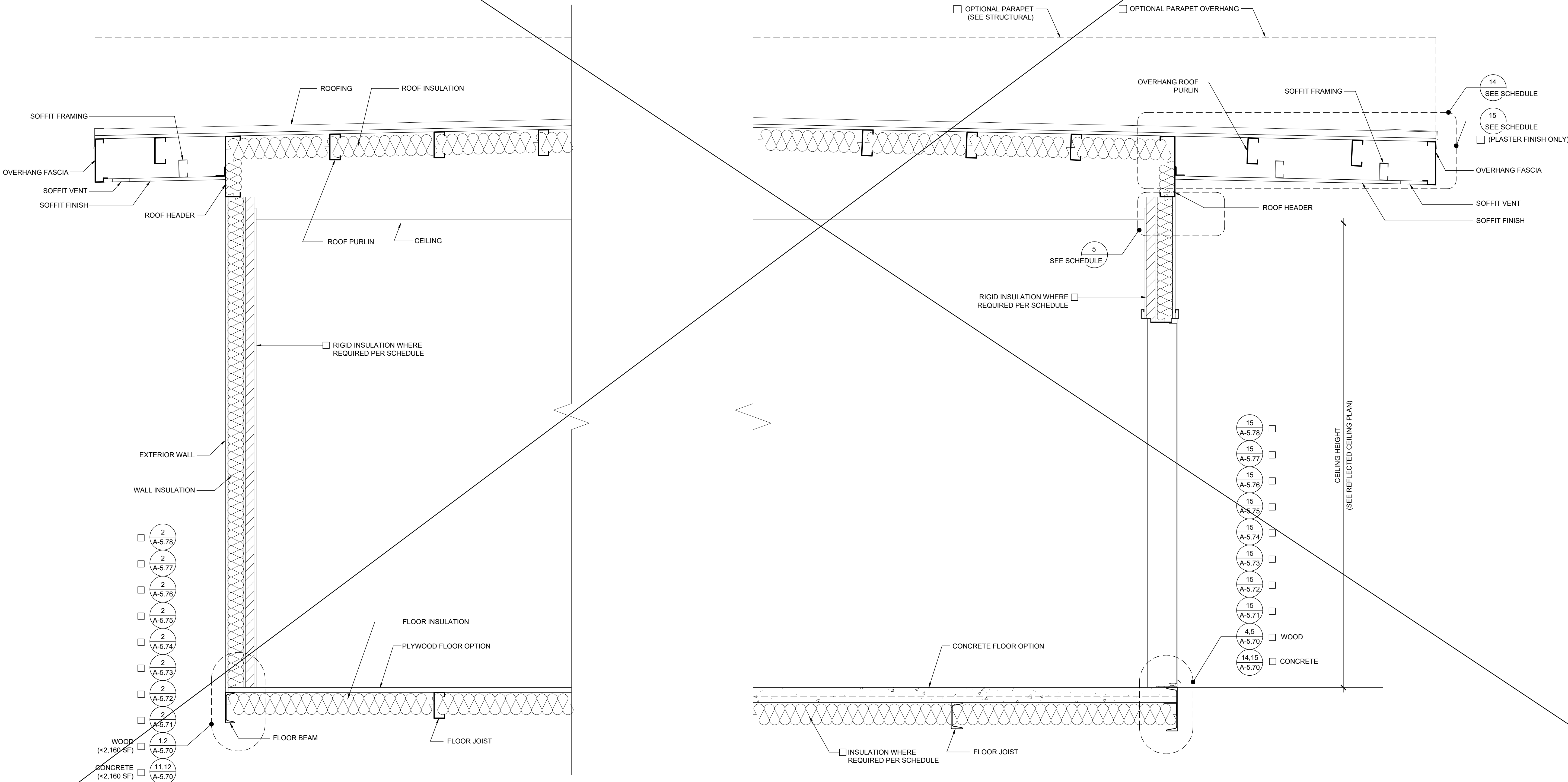
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-5.02



BUILDING SECTION

SCALE: 1" = 1' - 0"

DETAIL SCHEDULE		NOTES
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		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.
FINISH:	SHEET #:	
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<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 type="checkbox"/> WOOD FLOOR		
<input type="checkbox"/> CONCRETE FLOOR		

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PROJECT NAME:

SHEET TITLE:

CROSS SECTION

REVISIONS

1

2

3

4

5

PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC

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DIV. OF THE STATE ARCHITECT

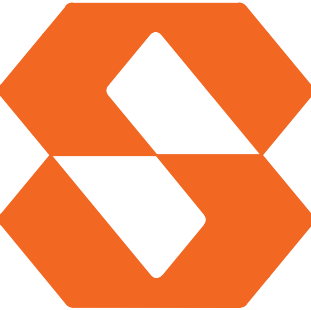
APP. 04-121999 INC.

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

REGISTERED PROFESSIONAL ENGINEER

STATE OF CALIFORNIA

STRUCTURAL

0011 W. STARLINE



SILVER CREEK INDUSTRIES

24' x 40' PC

PROJECT NO:

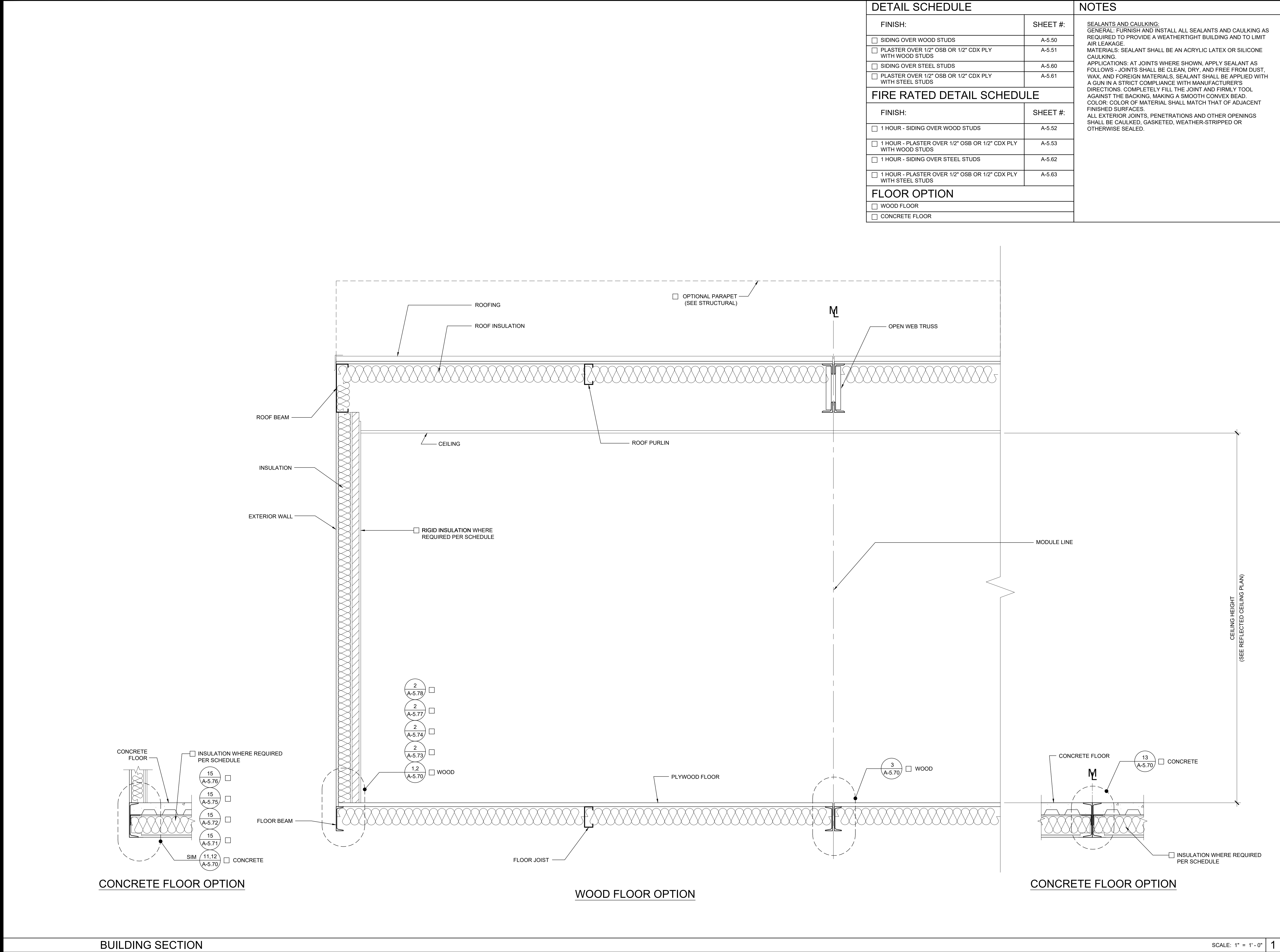
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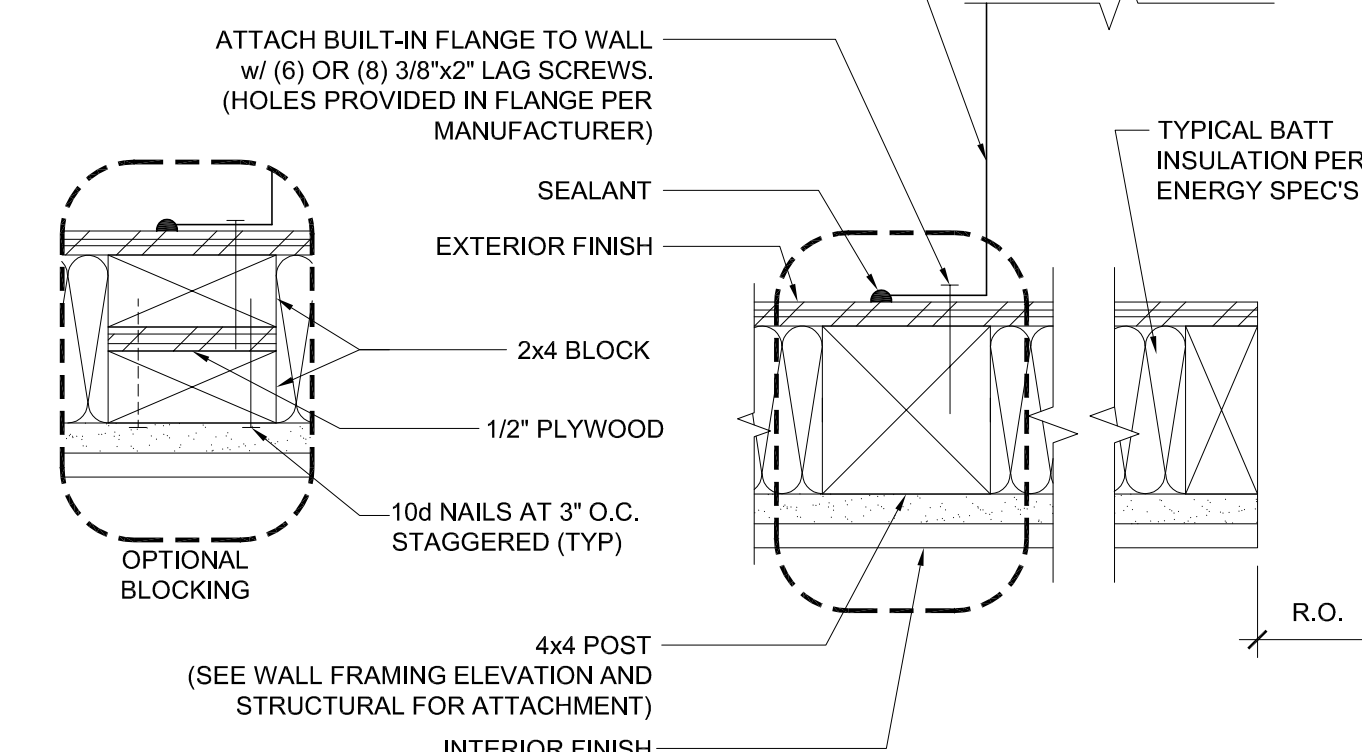
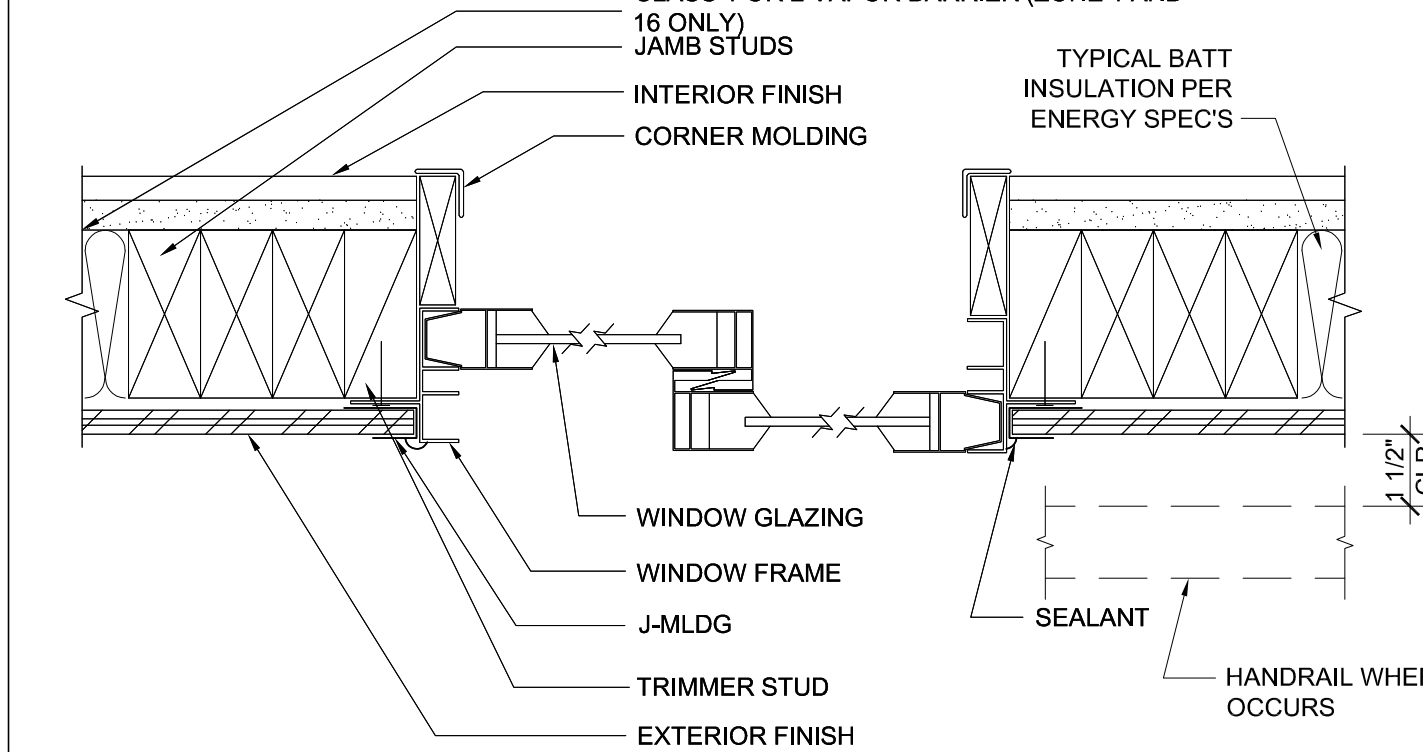
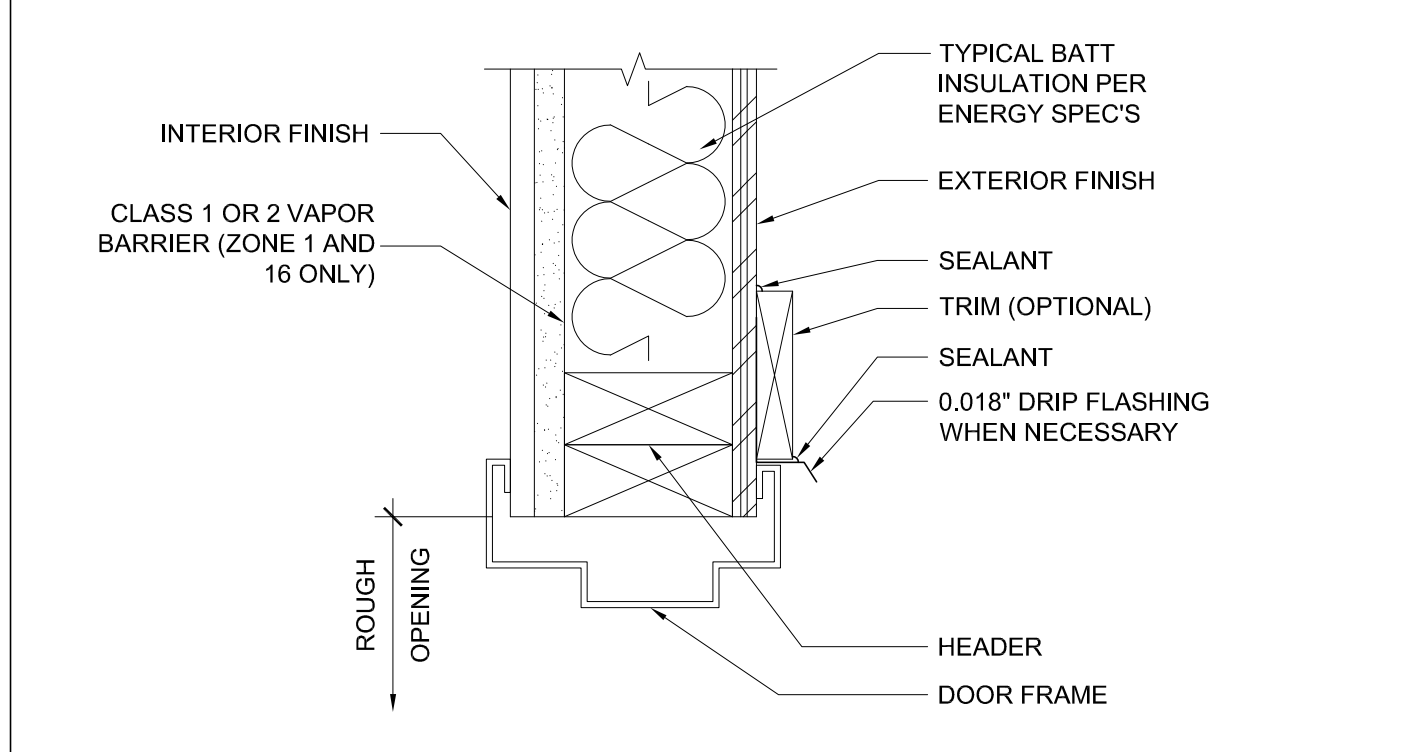
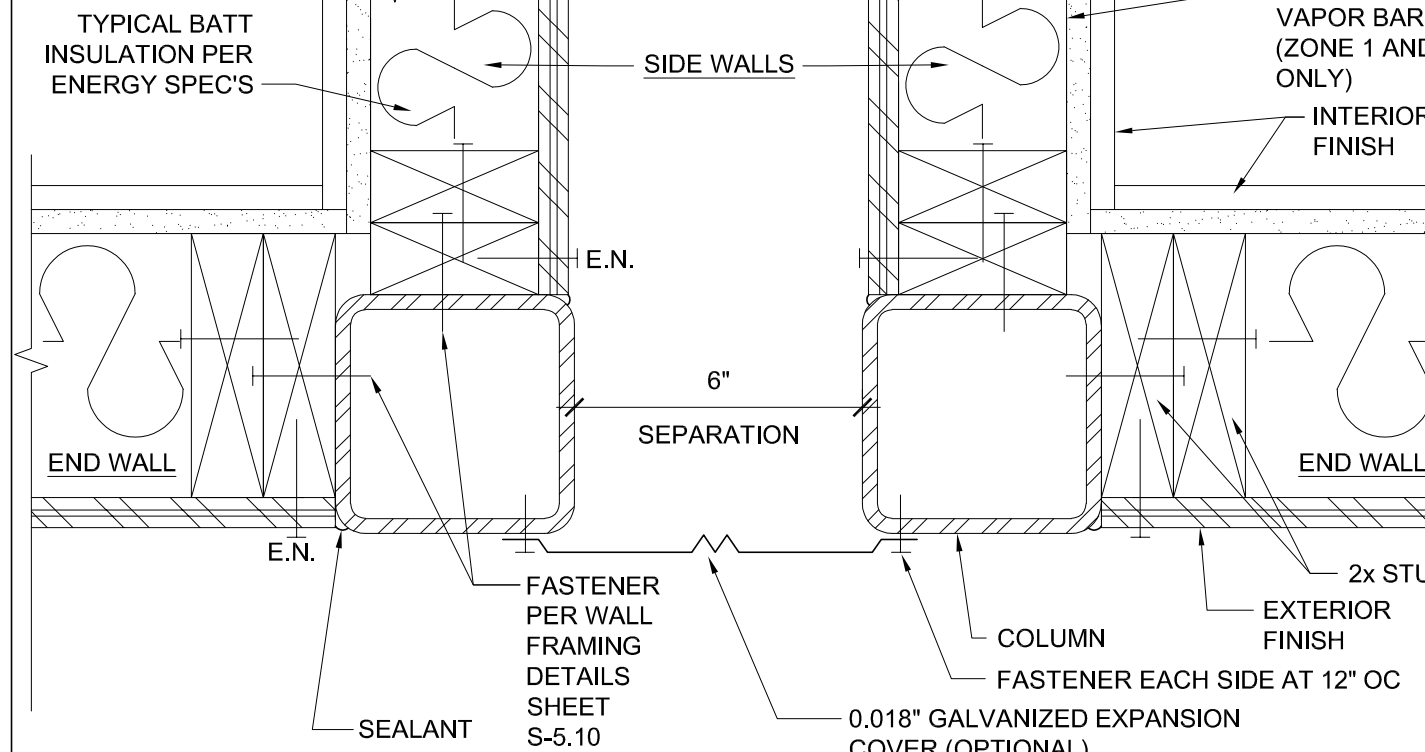
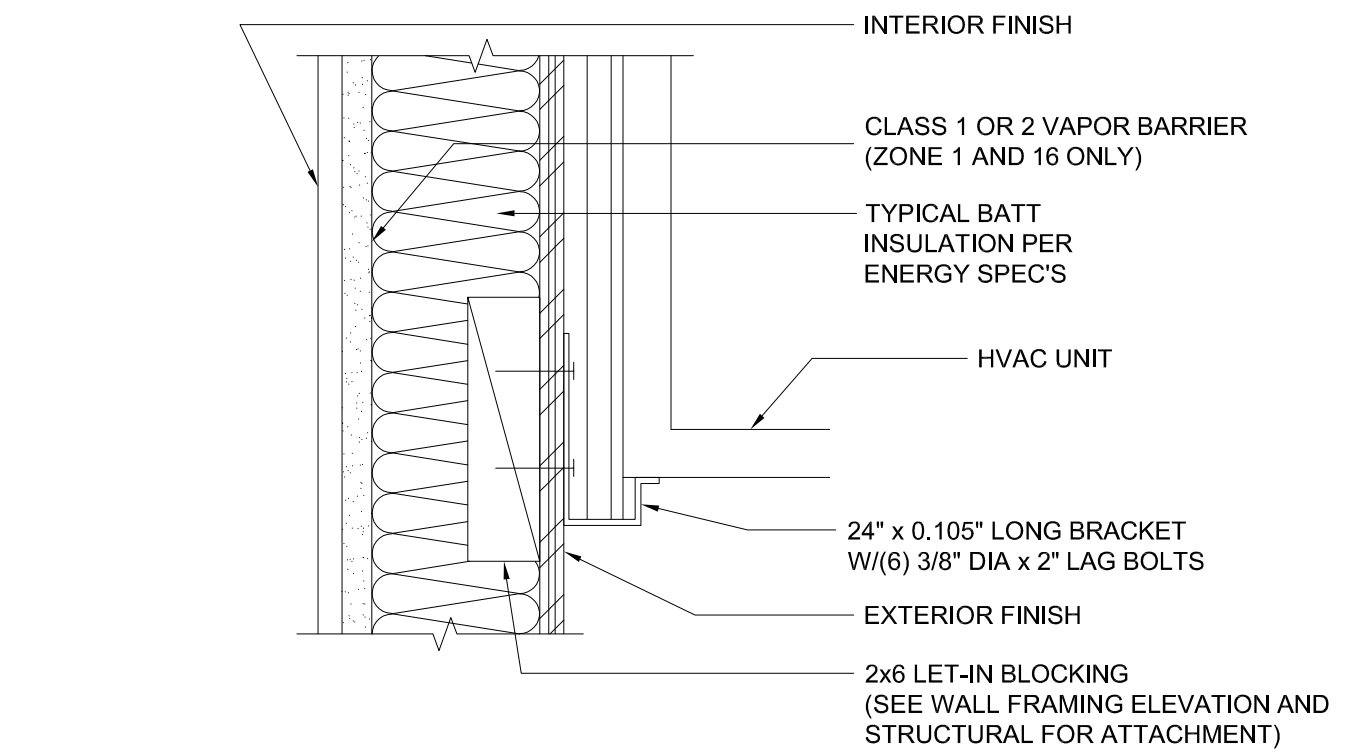
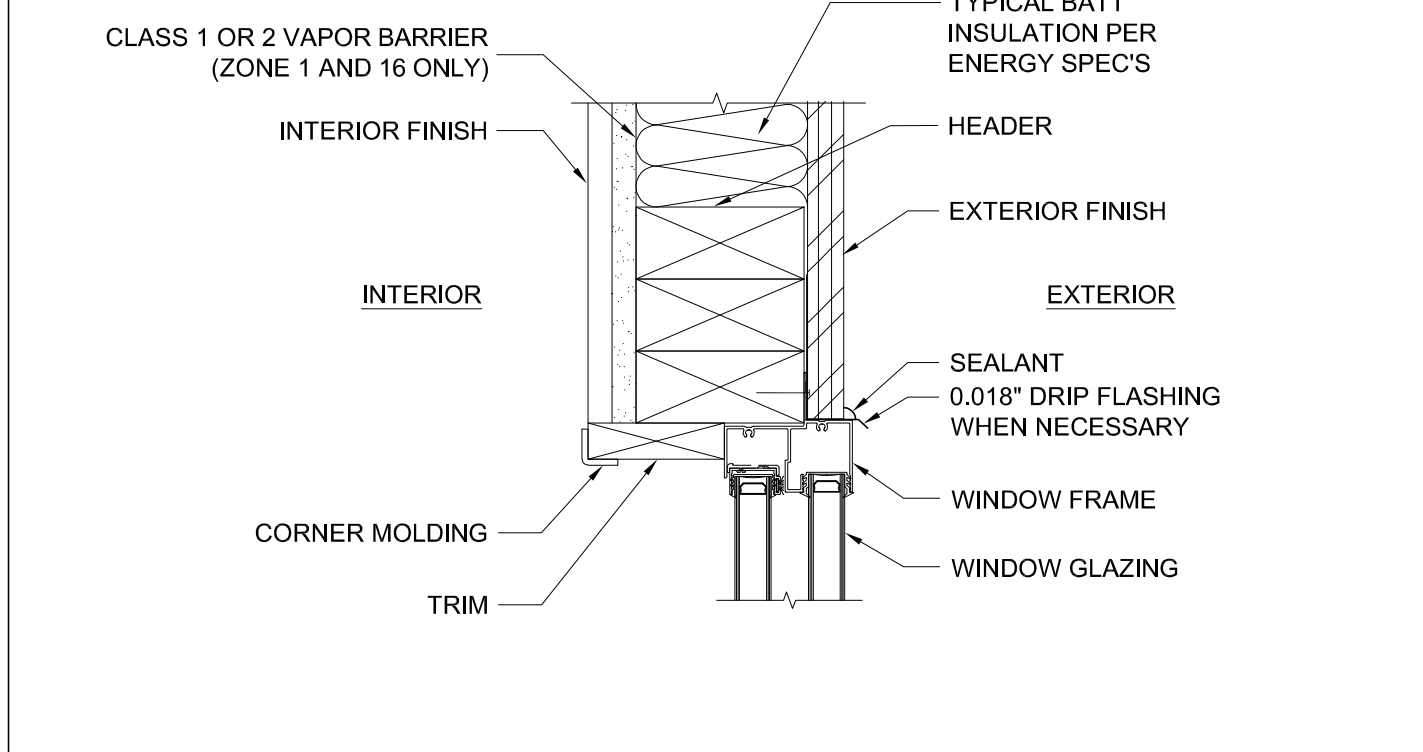
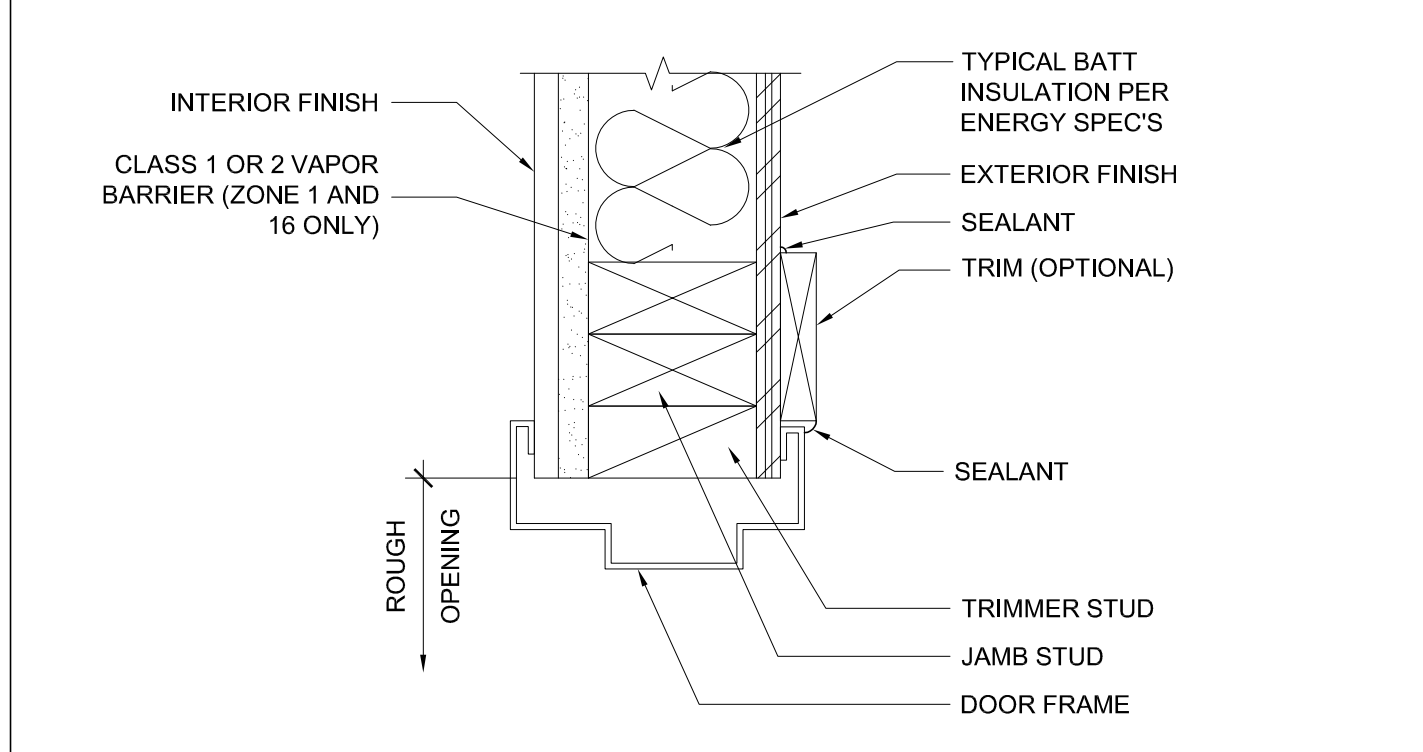
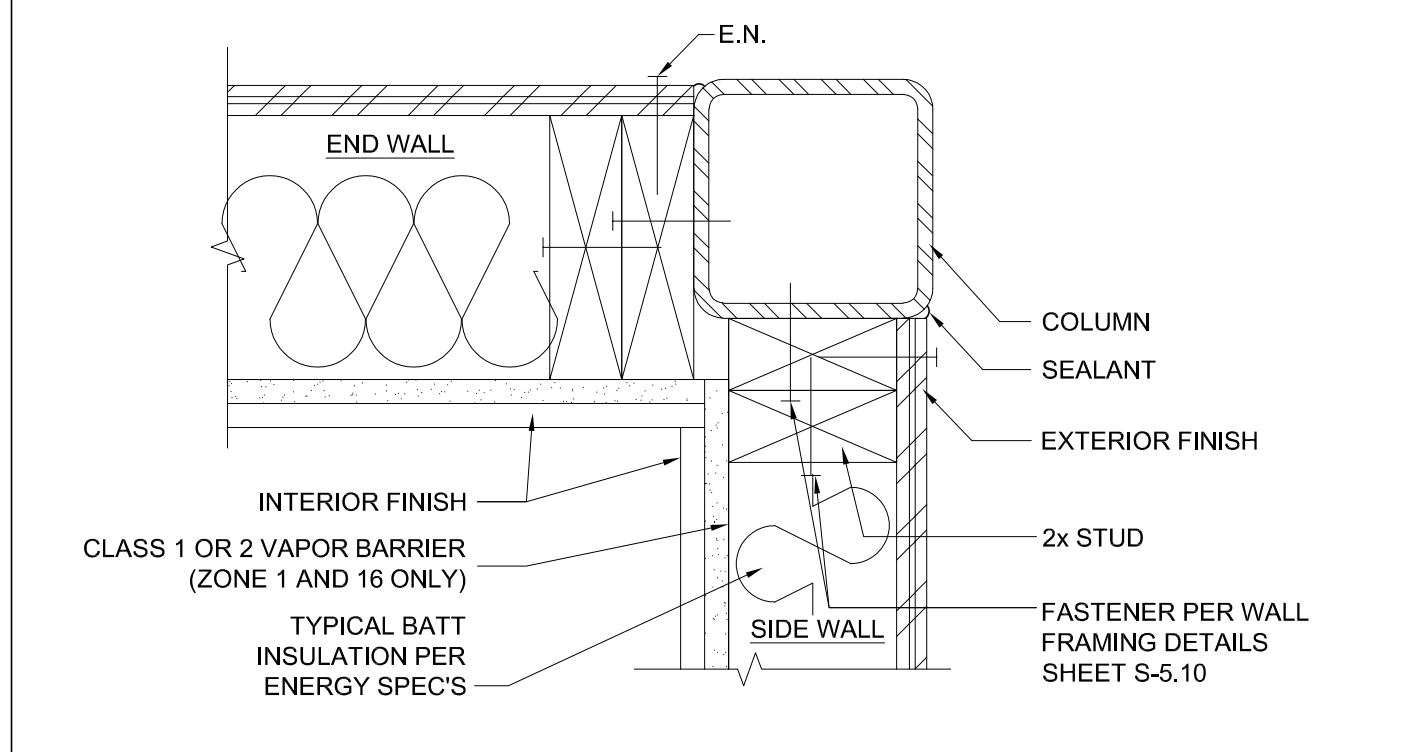
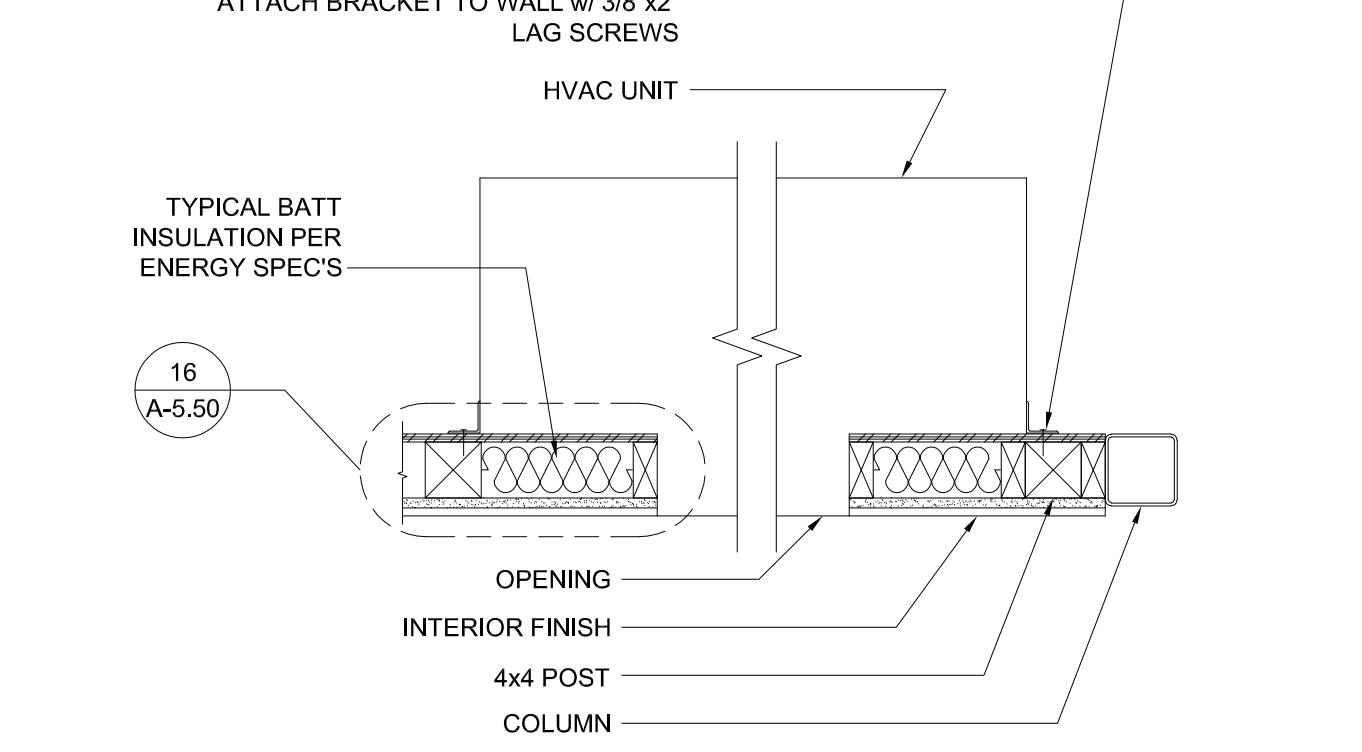
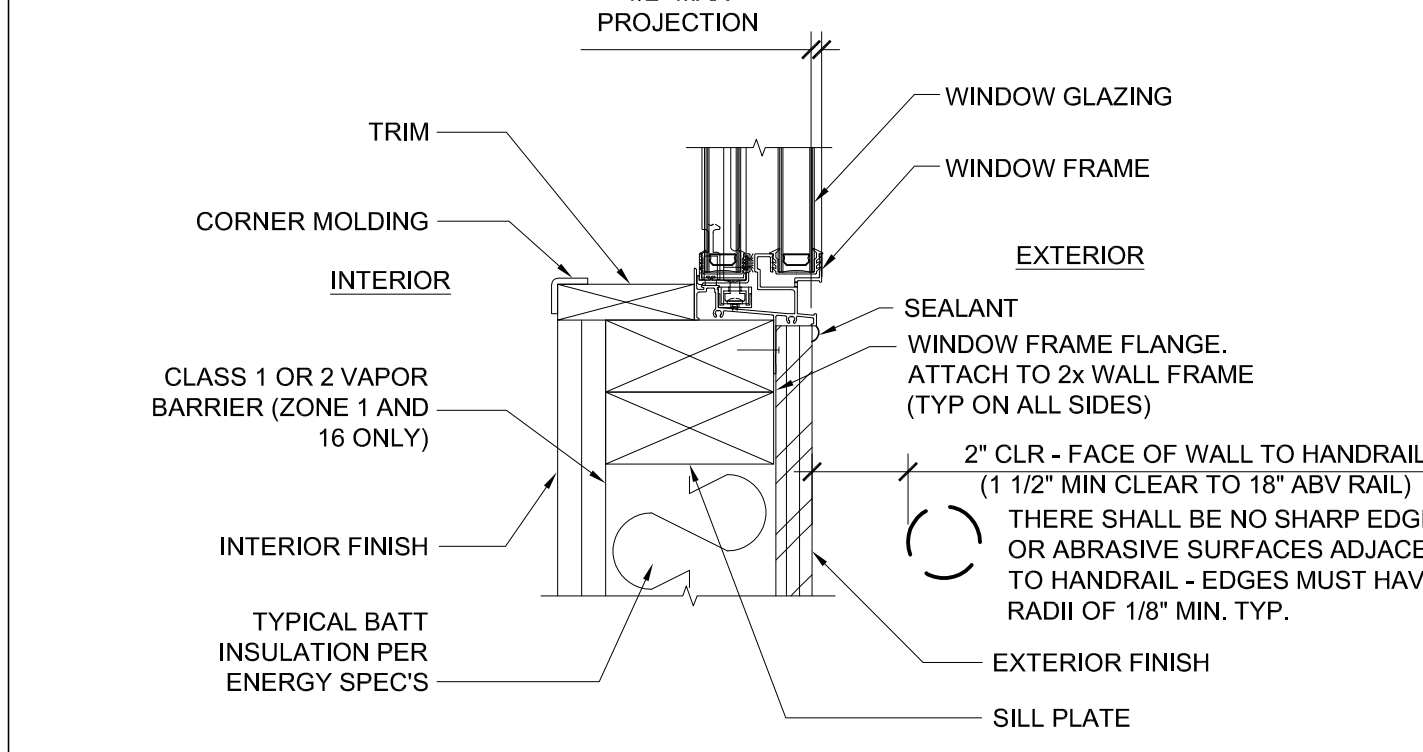
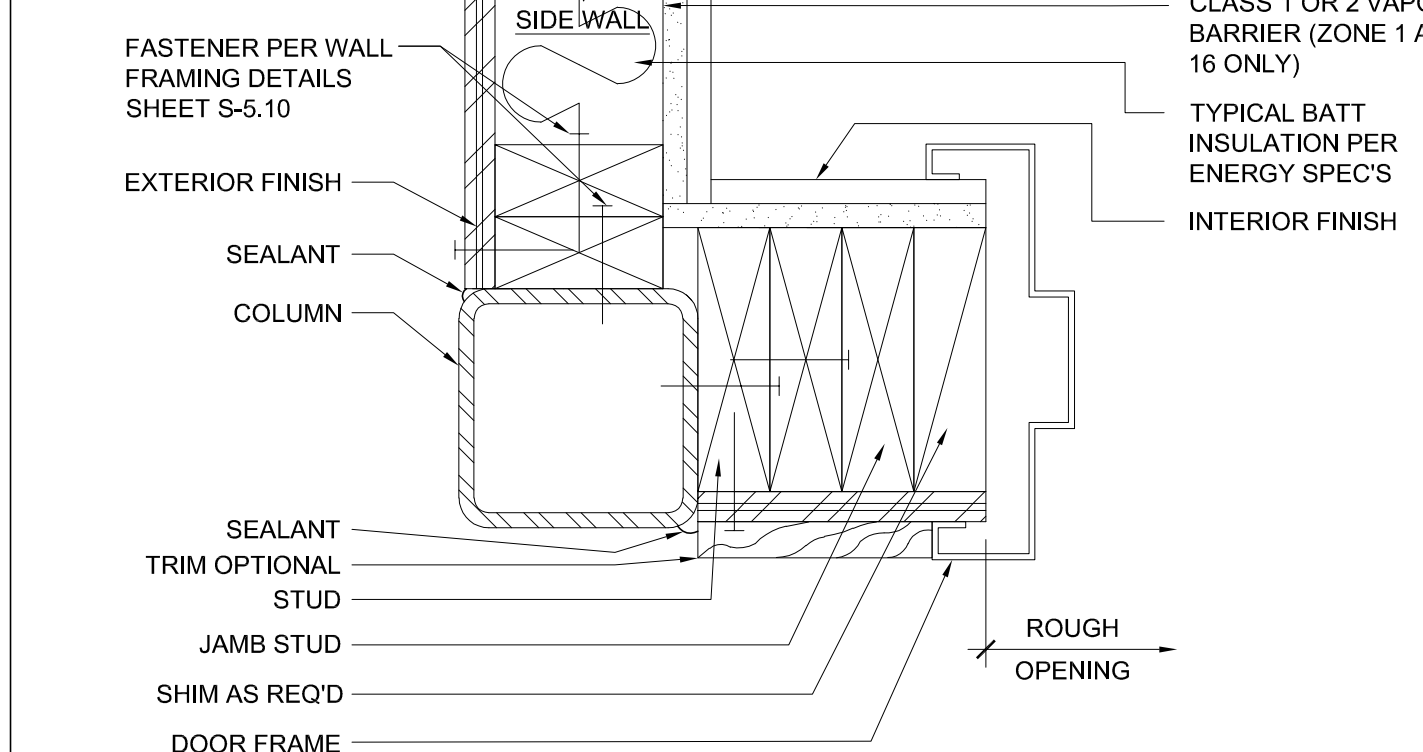
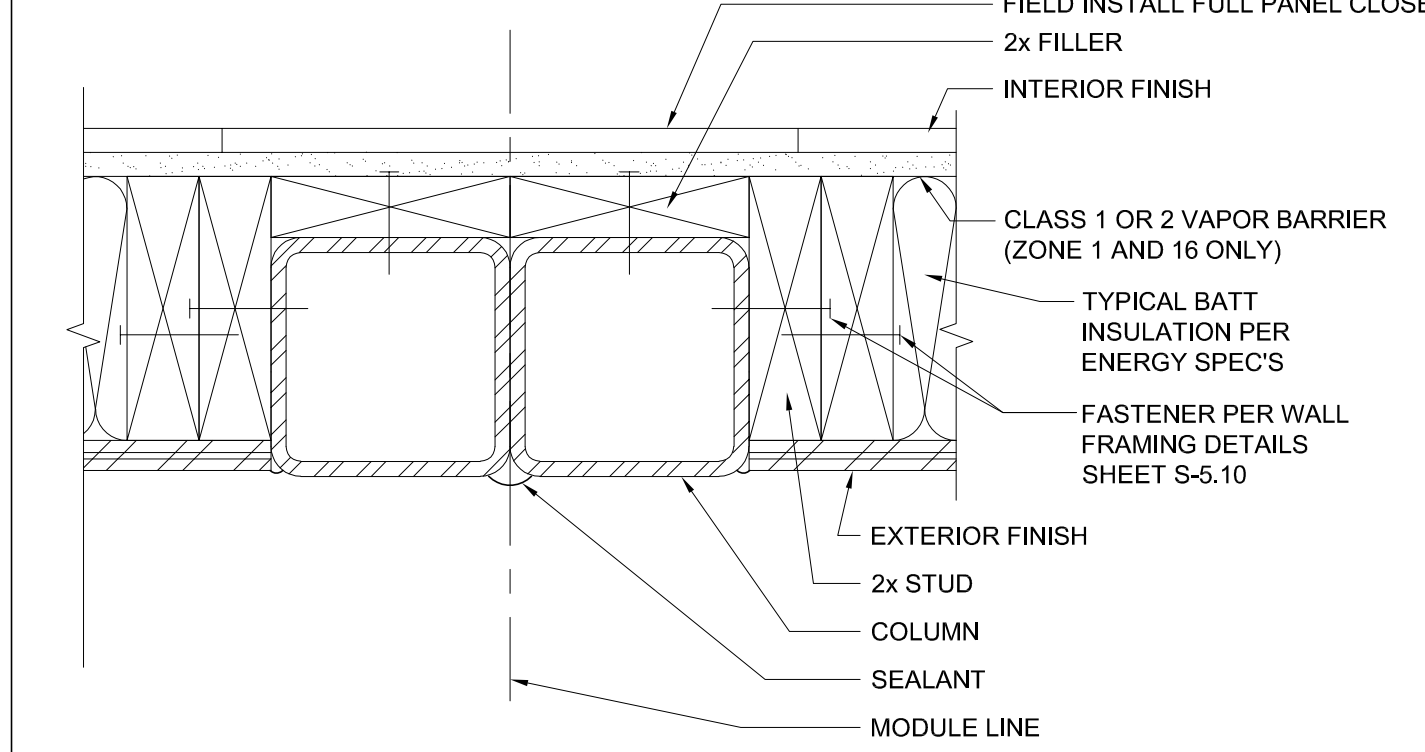

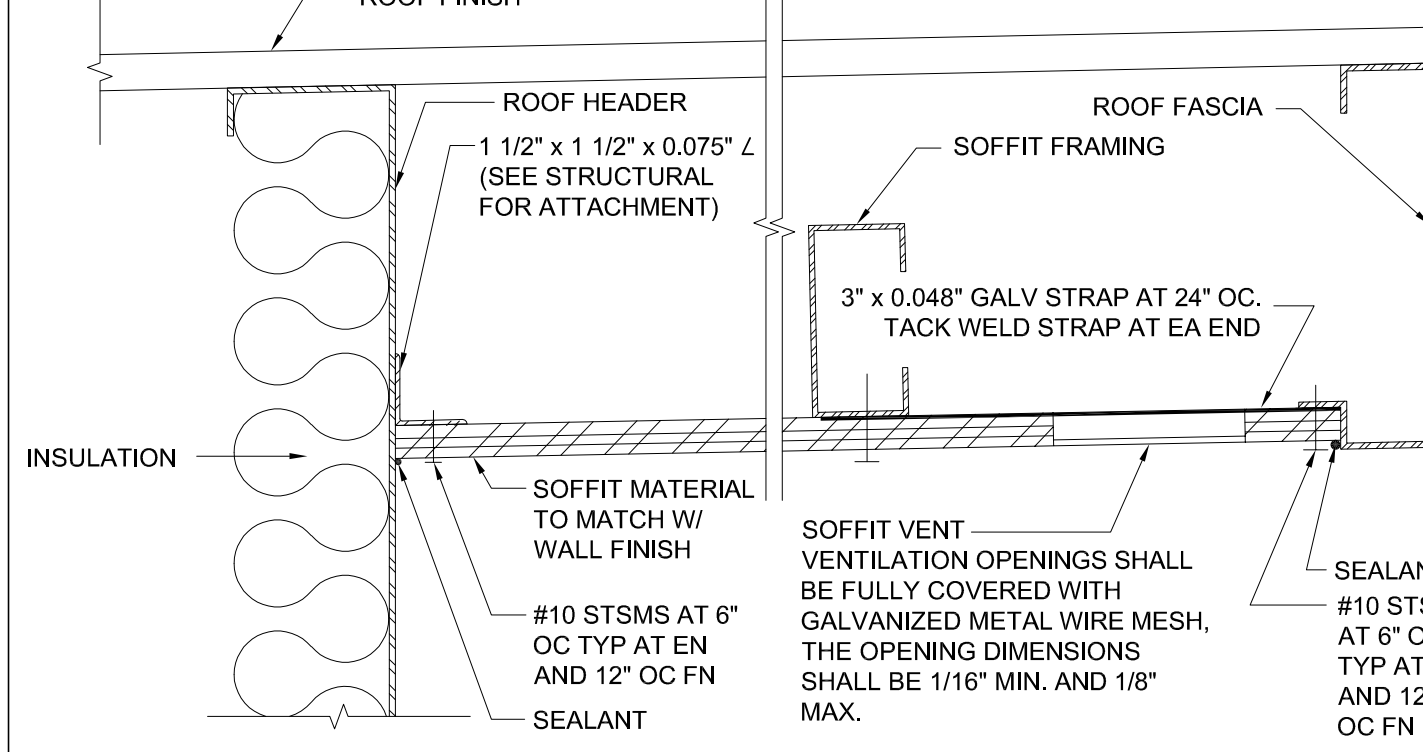
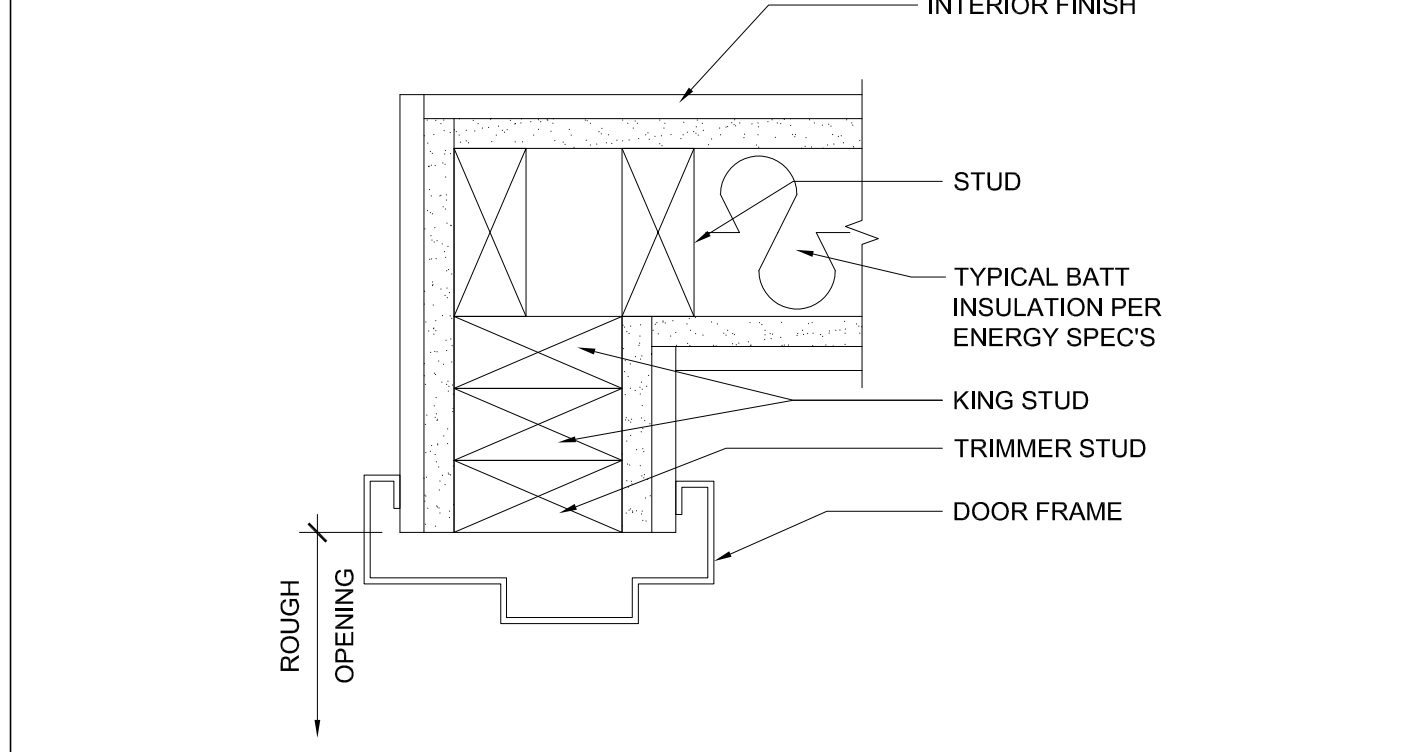


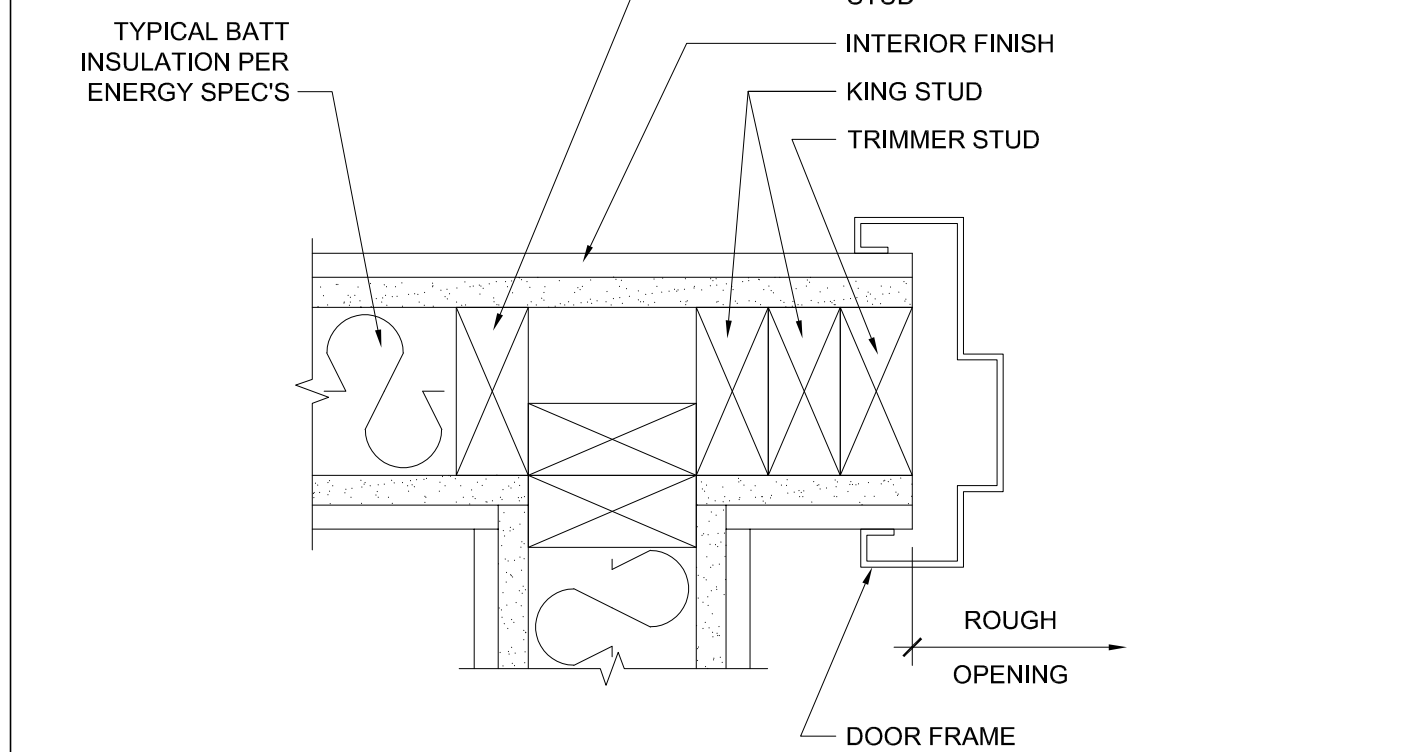
SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-5.05



 <p>HVAC UNIT ATTACH BUILT-IN FLANGE TO WALL w/ (6) OR (8) 3/8"x2" LAG SCREWS. (HOLES PROVIDED IN FLANGE PER MANUFACTURER) SEALANT EXTERIOR FINISH 2x4 BLOCK 1/2" PLYWOOD 10d NAILS AT 3" O.C. STAGGERED (TYP) OPTIONAL BLOCKING 4x4 POST (SEE WALL FRAMING ELEVATION AND STRUCTURAL FOR ATTACHMENT) INTERIOR FINISH TYPICAL BATT INSULATION PER ENERGY SPEC'S R.O.</p>	16	 <p>CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) JAMB STUDS INTERIOR FINISH CORNER MOLDING TYPICAL BATT INSULATION PER ENERGY SPEC'S WINDOW GLAZING WINDOW FRAME J-MLDG TRIMMER STUD SEALANT HANDRAIL WHERE OCCURS EXTERIOR FINISH 1 1/2" CLR</p>	11	 <p>INTERIOR FINISH CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) TYPICAL BATT INSULATION PER ENERGY SPEC'S EXTERIOR FINISH SEALANT TRIM (OPTIONAL) 0.018" DRIP FLASHING WHEN NECESSARY HEADER DOOR FRAME ROUGH OPENING</p>	6	 <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S SIDE WALLS CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) INTERIOR FINISH END WALL E.N. SEALANT 6" SEPARATION FASTENER PER WALL FRAMING DETAILS SHEET S-5.10 COLUMN FASTENER EACH SIDE AT 12" OC EXTERIOR FINISH 2x STUD 0.018" GALVANIZED EXPANSION COVER (OPTIONAL)</p>	1
 <p>INTERIOR FINISH CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) TYPICAL BATT INSULATION PER ENERGY SPEC'S HVAC UNIT 24" x 0.105" LONG BRACKET W/(6) 3/8" DIA x 2" LAG BOLTS EXTERIOR FINISH 2x6 LET-IN BLOCKING (SEE WALL FRAMING ELEVATION AND STRUCTURAL FOR ATTACHMENT)</p>	17	 <p>CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) INTERIOR FINISH TYPICAL BATT INSULATION PER ENERGY SPEC'S HEADER EXTERIOR FINISH SEALANT 0.018" DRIP FLASHING WHEN NECESSARY CORNER MOLDING WINDOW FRAME WINDOW GLAZING TRIM TRIMMER STUD DOOR FRAME ROUGH OPENING</p>	12	 <p>INTERIOR FINISH CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) TYPICAL BATT INSULATION PER ENERGY SPEC'S EXTERIOR FINISH SEALANT TRIM (OPTIONAL) SEALANT TRIMMER STUD JAMB STUD DOOR FRAME ROUGH OPENING</p>	7	 <p>E.N. END WALL INTERIOR FINISH CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) TYPICAL BATT INSULATION PER ENERGY SPEC'S COLUMN SEALANT EXTERIOR FINISH 2x STUD FASTENER PER WALL FRAMING DETAILS SHEET S-5.10 SIDE WALL</p>	2
 <p>ATTACH BRACKET TO WALL w/ 3/8"x2" LAG SCREWS HVAC UNIT TYPICAL BATT INSULATION PER ENERGY SPEC'S 16 A-5.50 OPENING INTERIOR FINISH 4x4 POST COLUMN</p>	18	 <p>1/2" MAX PROJECTION TRIM WINDOW GLAZING WINDOW FRAME EXTERIOR SEALANT WINDOW FRAME FLANGE. ATTACH TO 2x WALL FRAME (TYP ON ALL SIDES) 2" CLR - FACE OF WALL TO HANDRAIL (1 1/2" MIN CLEAR TO 18" ABV RAIL) THERE SHALL BE NO SHARP EDGES OR ABRASIVE SURFACES ADJACENT TO HANDRAIL - EDGES MUST HAVE RADII OF 1/8" MIN. TYP. EXTERIOR FINISH SILL PLATE INTERIOR FINISH CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) TYPICAL BATT INSULATION PER ENERGY SPEC'S CORNER MOLDING TRIM INSULATION ROOF FINISH ROOF HEADER 1 1/2" x 1 1/2" x 0.075" L (SEE STRUCTURAL FOR ATTACHMENT) ROOF FASCIA SOFFIT FRAMING 3" x 0.048" GALV STRAP AT 24" OC. TACK WELD STRAP AT EA END SEALANT #10 STMS AT 6" OC TYP AT EN AND 12" OC FN SOFFIT MATERIAL TO MATCH W/ WALL FINISH SOFFIT VENT - VENTILATION OPENINGS SHALL BE FULLY COVERED WITH GALVANIZED METAL WIRE MESH. THE OPENING DIMENSIONS SHALL BE 1/16" MIN. AND 1/8" MAX.</p>	13	 <p>FASTENER PER WALL FRAMING DETAILS SHEET S-5.10 SIDE WALL CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) TYPICAL BATT INSULATION PER ENERGY SPEC'S INTERIOR FINISH EXTERIOR FINISH SEALANT COLUMN SEALANT TRIM OPTIONAL STUD JAMB STUD SHIM AS REQ'D DOOR FRAME ROUGH OPENING</p>	8	 <p>FIELD INSTALL FULL PANEL CLOSE-UP 2x FILLER INTERIOR FINISH CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) TYPICAL BATT INSULATION PER ENERGY SPEC'S FASTENER PER WALL FRAMING DETAILS SHEET S-5.10 EXTERIOR FINISH 2x STUD COLUMN SEALANT MODULE LINE</p>	3
 <p>ROOF FINISH ROOF HEADER 1 1/2" x 1 1/2" x 0.075" L (SEE STRUCTURAL FOR ATTACHMENT) ROOF FASCIA SOFFIT FRAMING INSULATION SOFFIT MATERIAL TO MATCH W/ WALL FINISH SOFFIT VENT - VENTILATION OPENINGS SHALL BE FULLY COVERED WITH GALVANIZED METAL WIRE MESH. THE OPENING DIMENSIONS SHALL BE 1/16" MIN. AND 1/8" MAX. SEALANT #10 STMS AT 6" OC TYP AT EN AND 12" OC FN</p>	14	 <p>INTERIOR FINISH STUD INTERIOR FINISH KING STUD TRIMMER STUD DOOR FRAME ROUGH OPENING</p>	9	 <p>FIELD INSTALLED CLOSURE STRIP 2x FILLER INTERIOR FINISH CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) TYPICAL BATT INSULATION PER ENERGY SPEC'S FASTENER PER WALL FRAMING DETAILS SHEET S-5.10 EXTERIOR FINISH 2x STUD COLUMN SEALANT MODULE LINE</p>	4		
 <p>#8 SCREWS @ 12" O.C. 2x TOP PLATE GYPSUM BOARD INTERIOR FINISH CEILING LINE CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) FIRE BLOCKING (SEE NOTE #2 ON REFLECTED CEILING PLANS) EN EXTERIOR FINISH TYPICAL BATT INSULATION PER ENERGY SPEC'S</p>	15	 <p>STUD INTERIOR FINISH KING STUD TRIMMER STUD DOOR FRAME ROUGH OPENING</p>	10	 <p>#8 SCREWS @ 12" O.C. 2x TOP PLATE GYPSUM BOARD INTERIOR FINISH CEILING LINE CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) FIRE BLOCKING (SEE NOTE #2 ON REFLECTED CEILING PLANS) EN EXTERIOR FINISH TYPICAL BATT INSULATION PER ENERGY SPEC'S</p>	5		

PROJECT SPECIFIC STATE AGENCY APPROVAL

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SHEET TITLE:

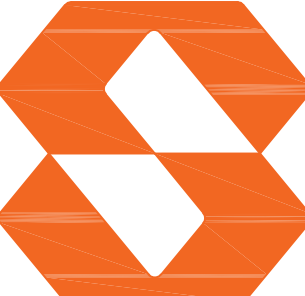
ARCHITECTURAL DETAILS
WOOD STUD - SHTG

REVISIONS


PRE-CHECK (PC) DOCUMENT
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PC STATE AGENCY APPROVAL


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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

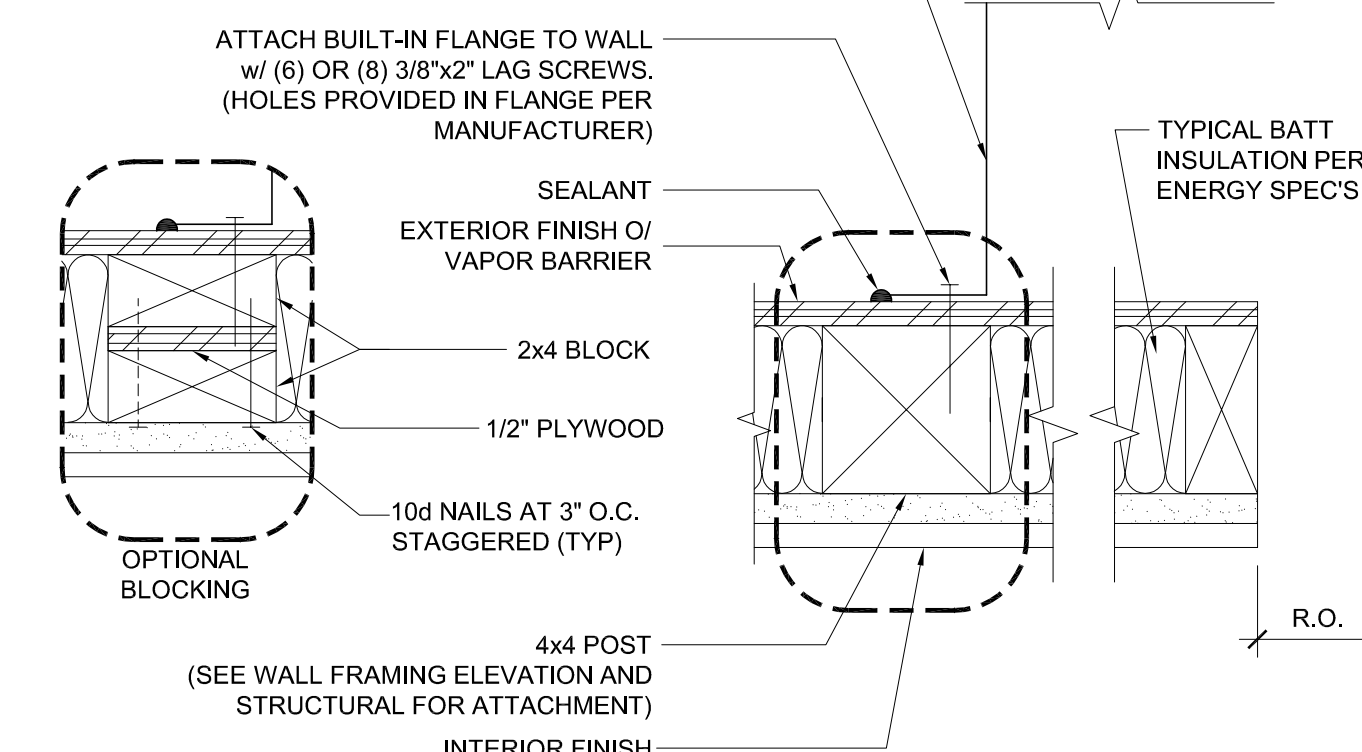
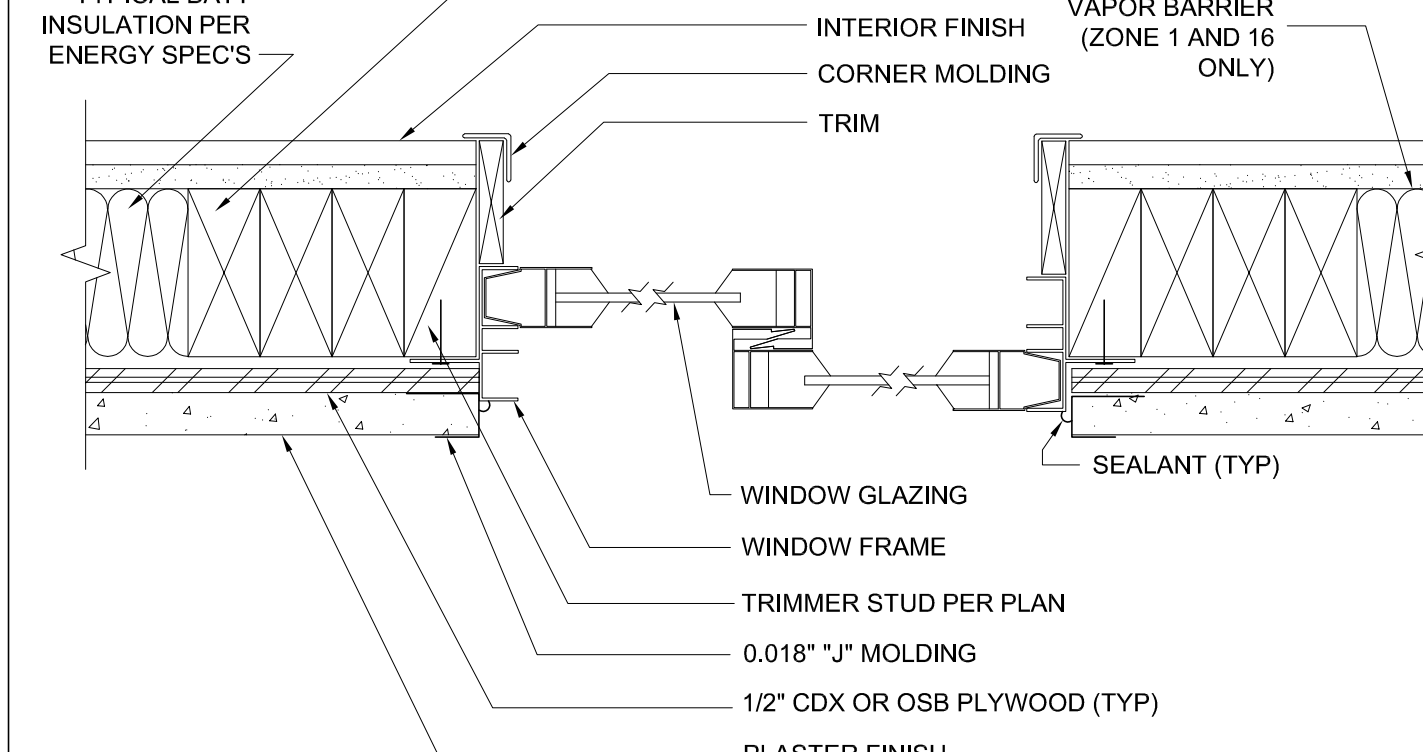
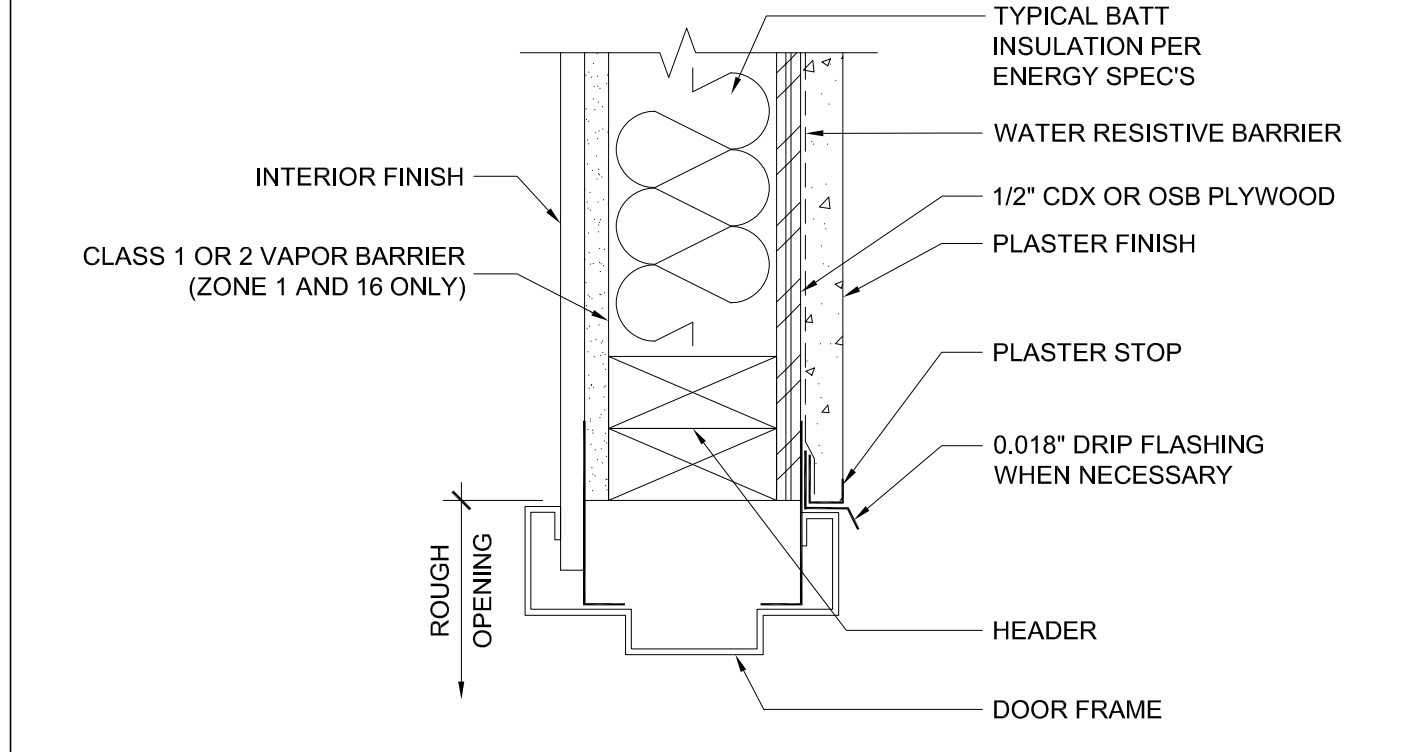
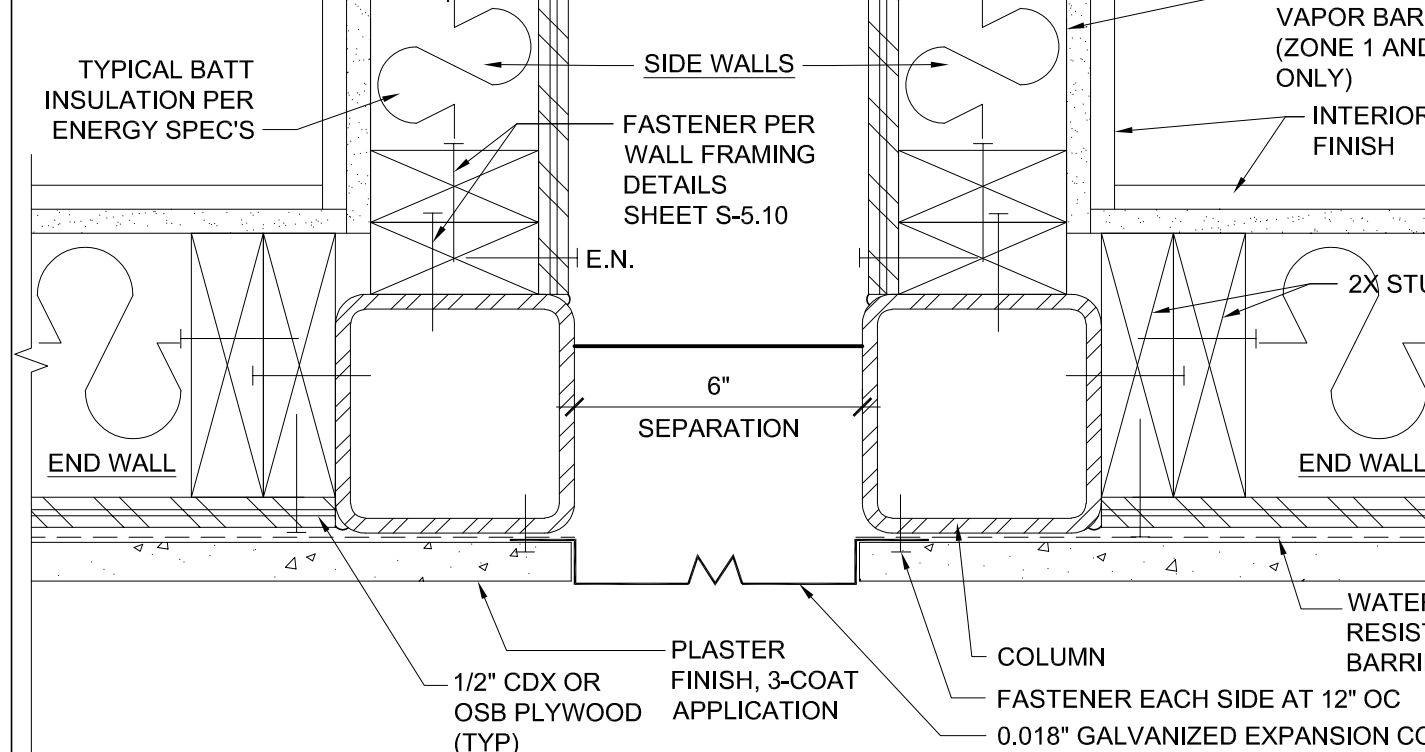
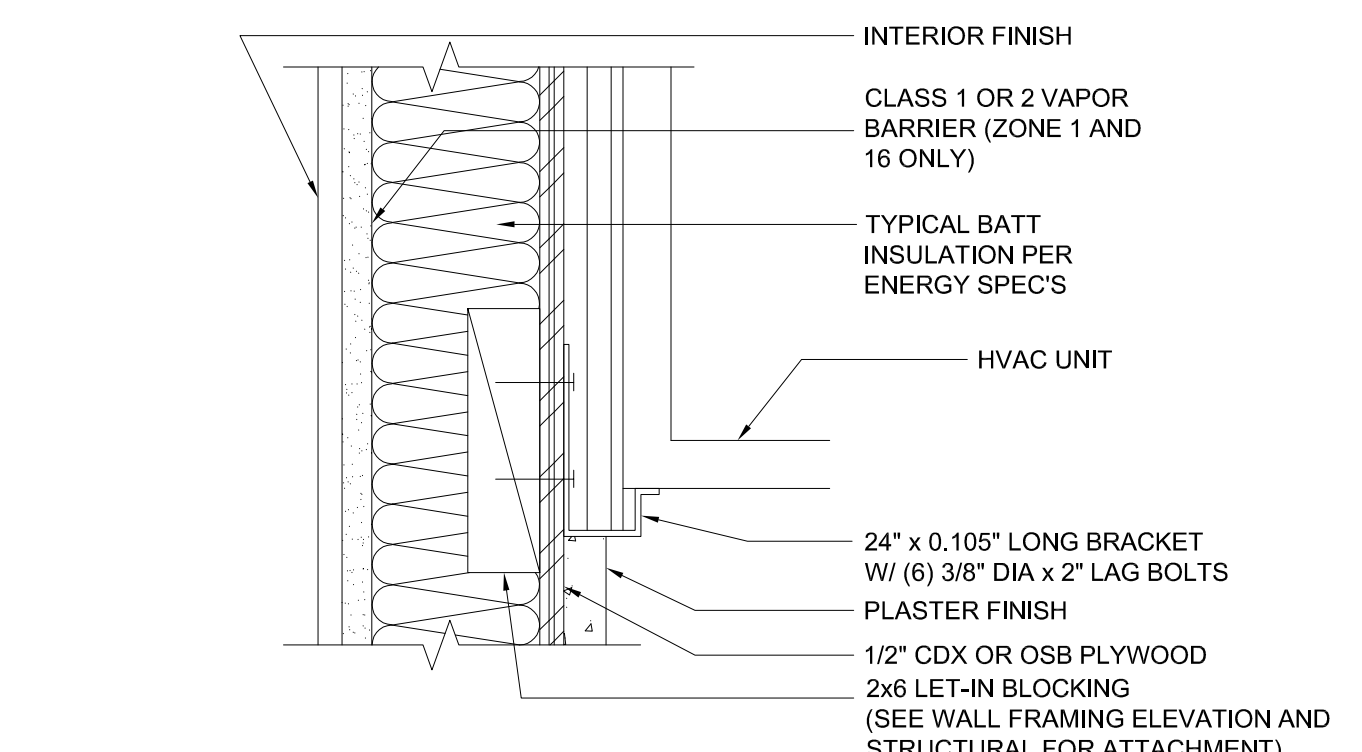
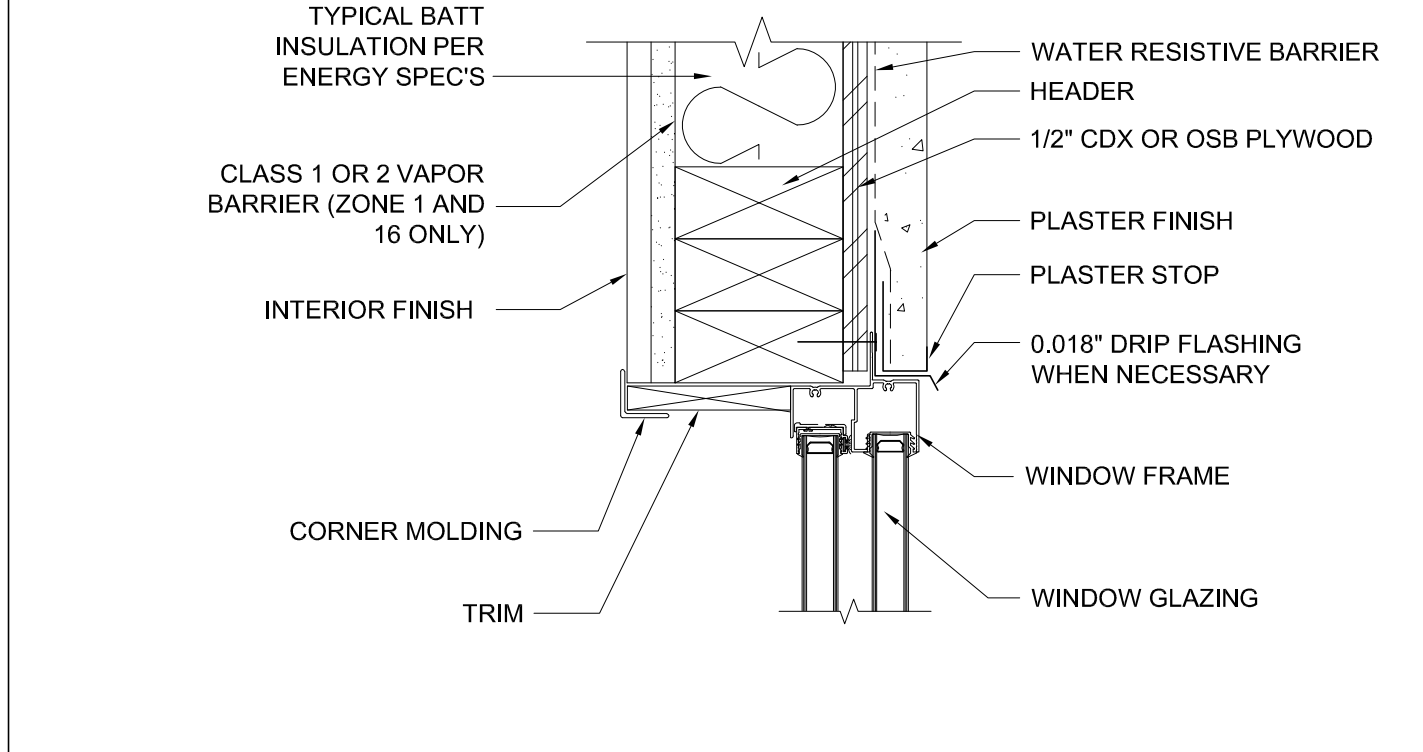
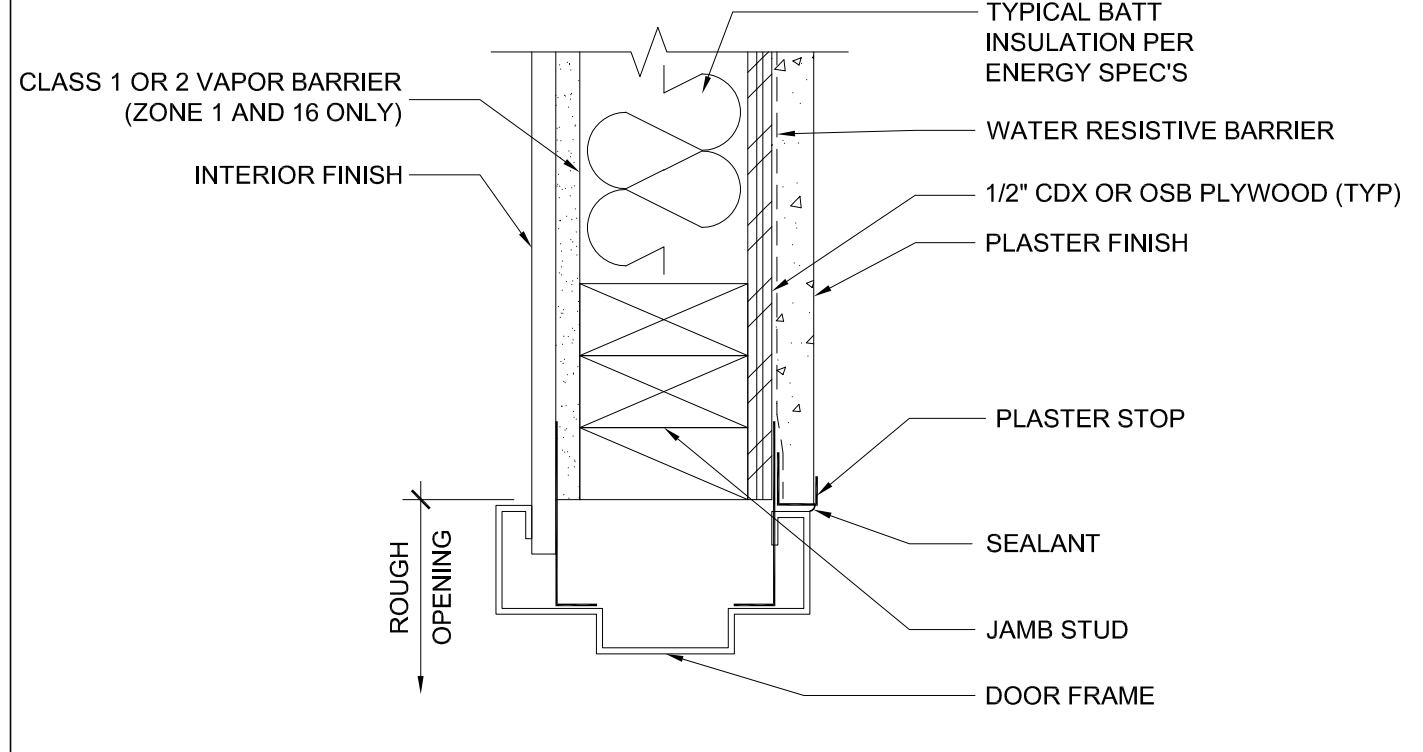
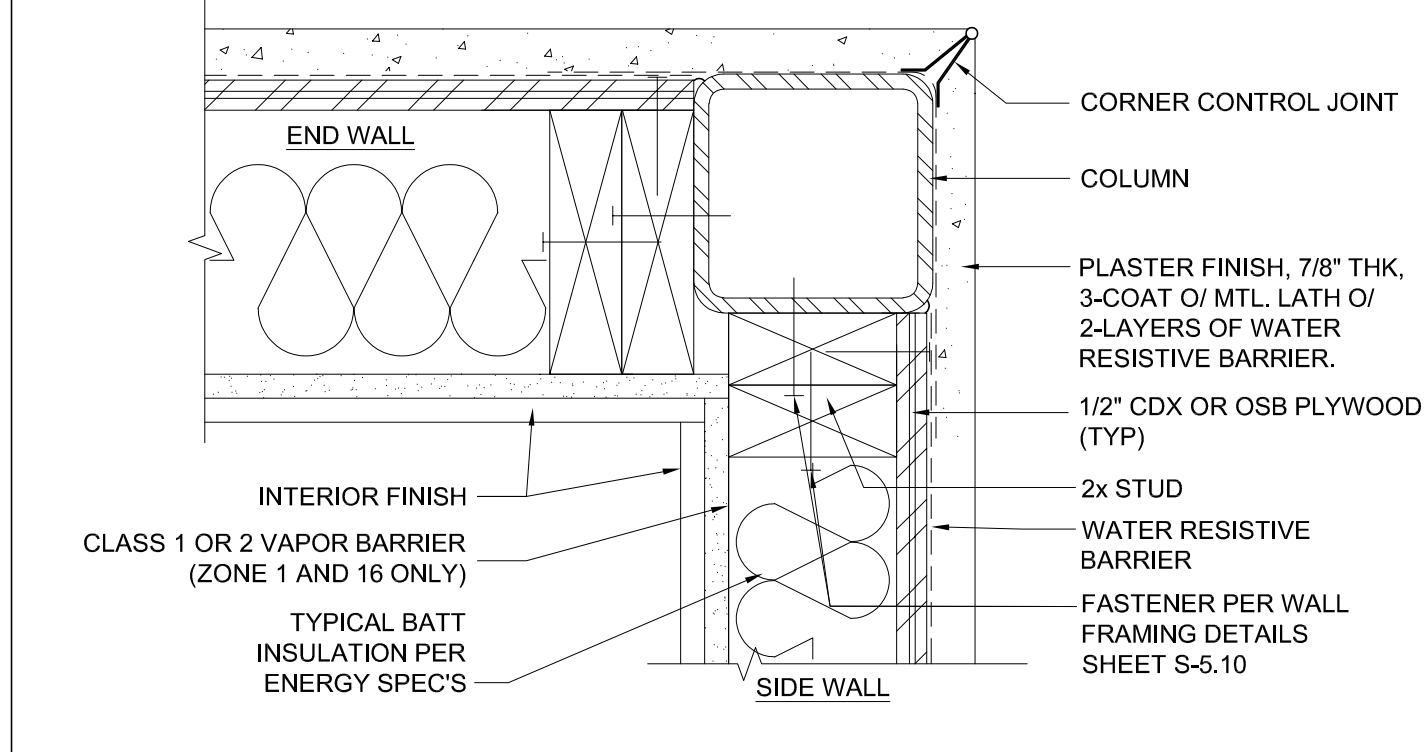
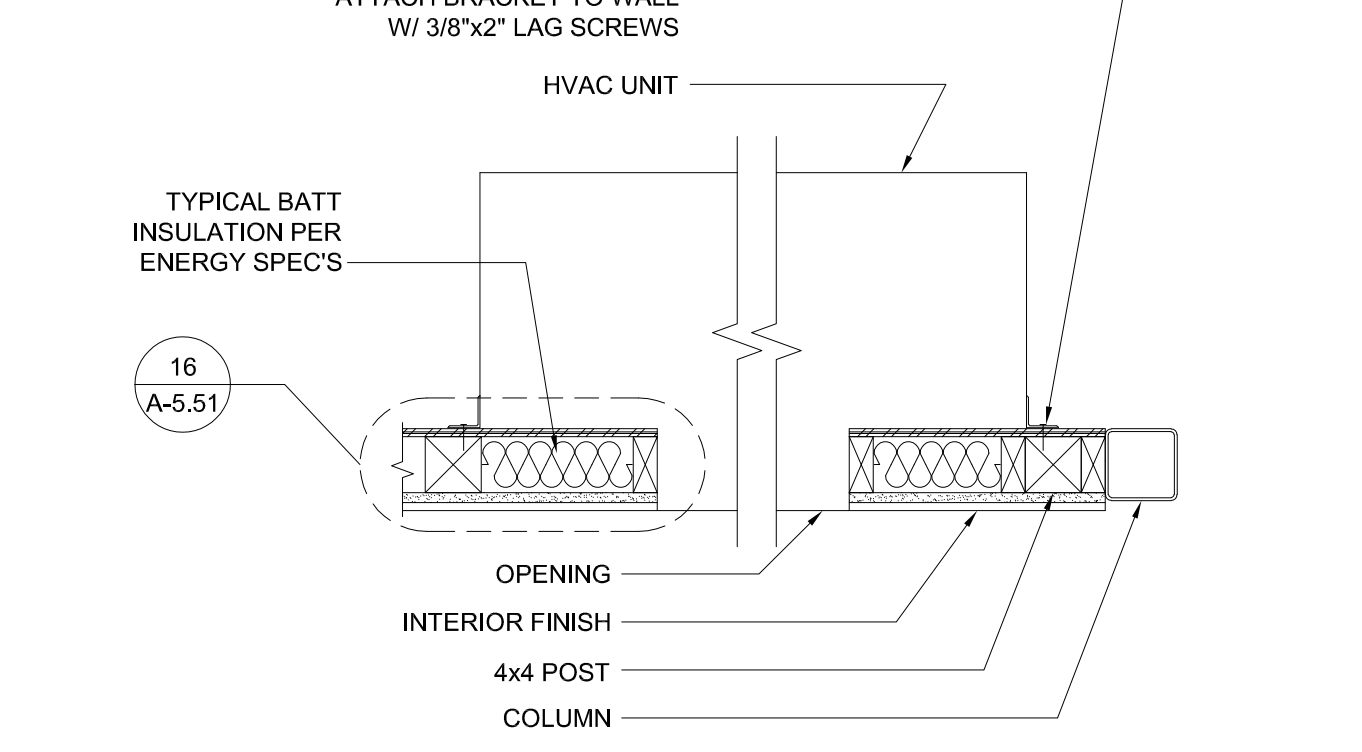
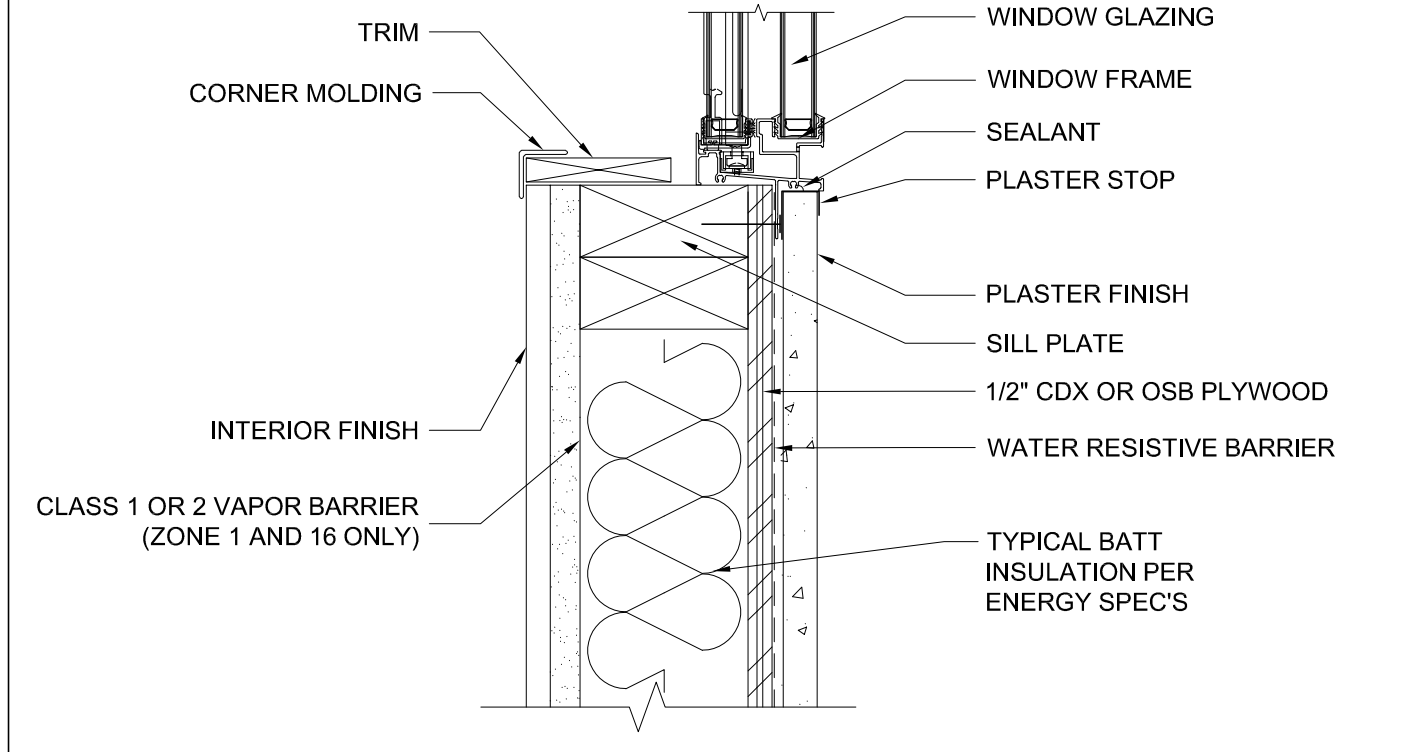
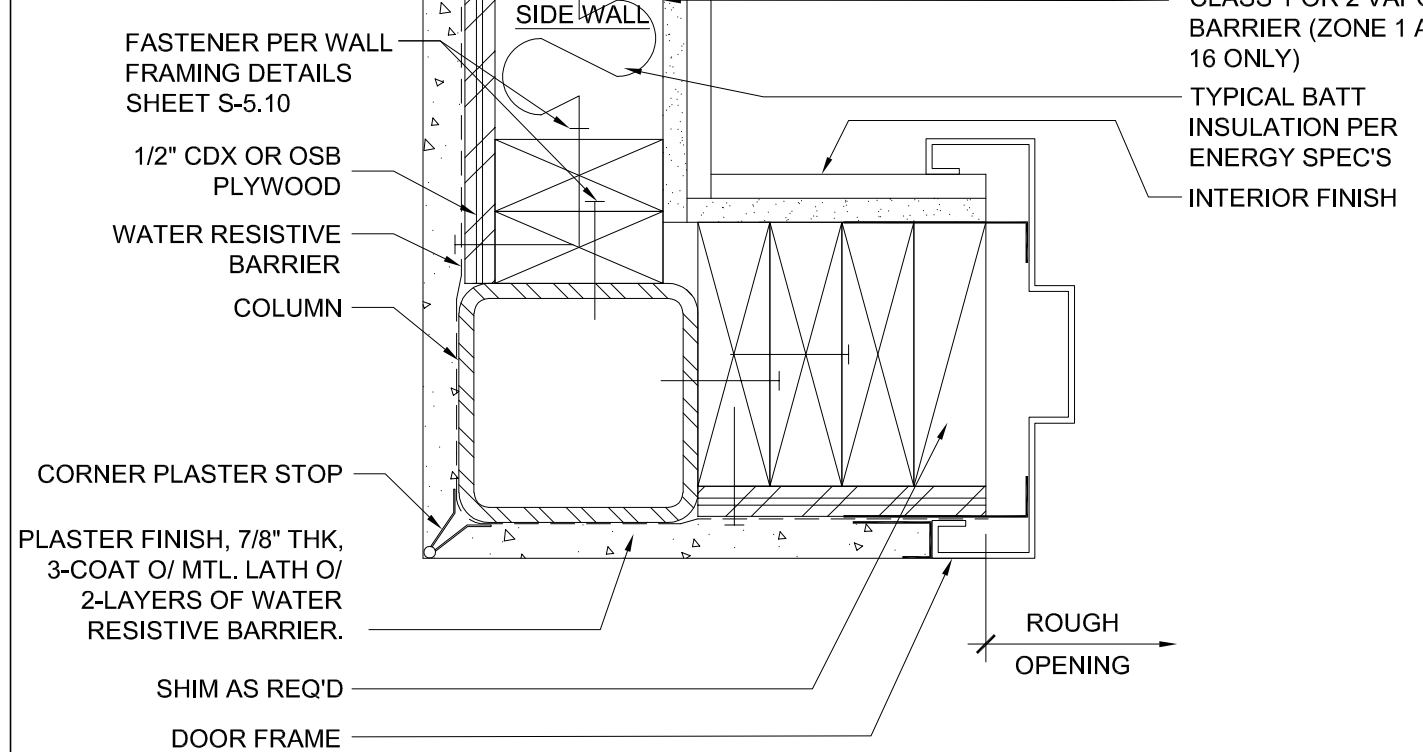
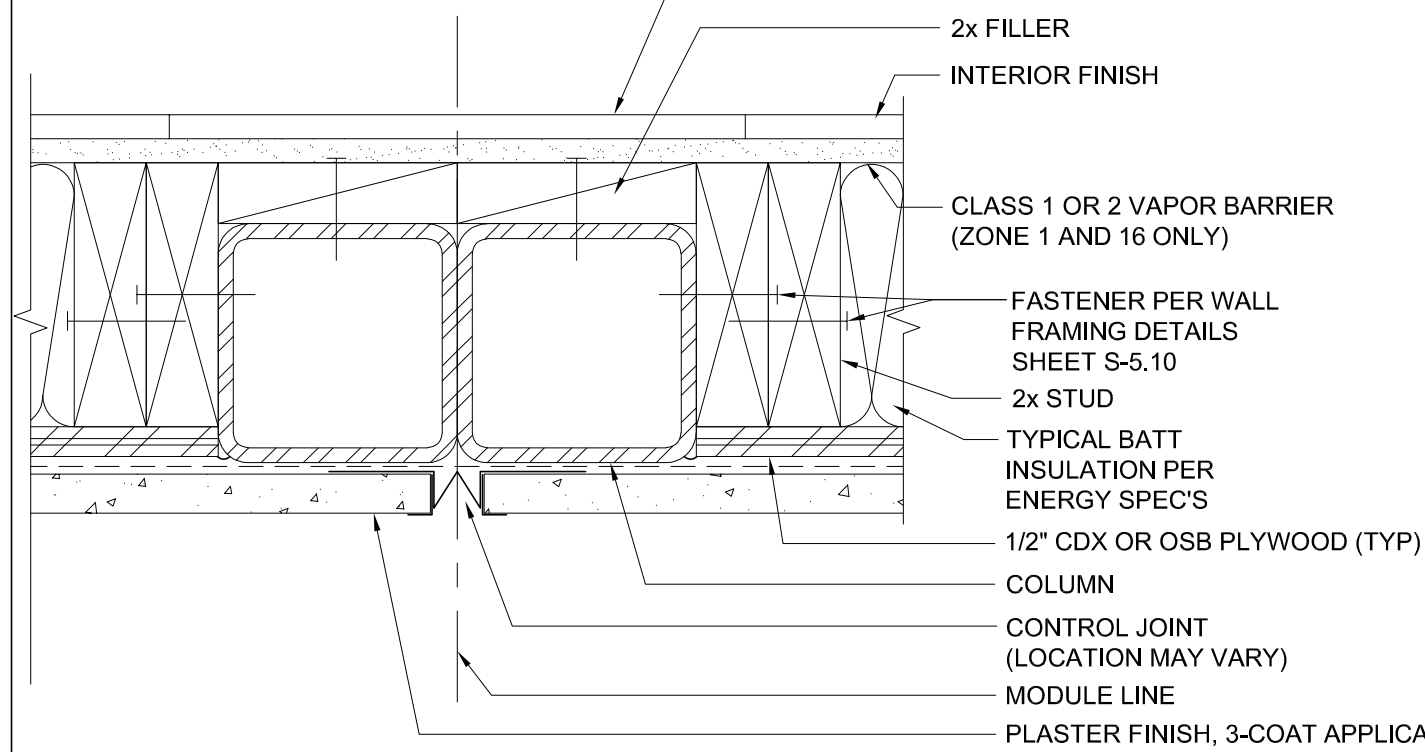

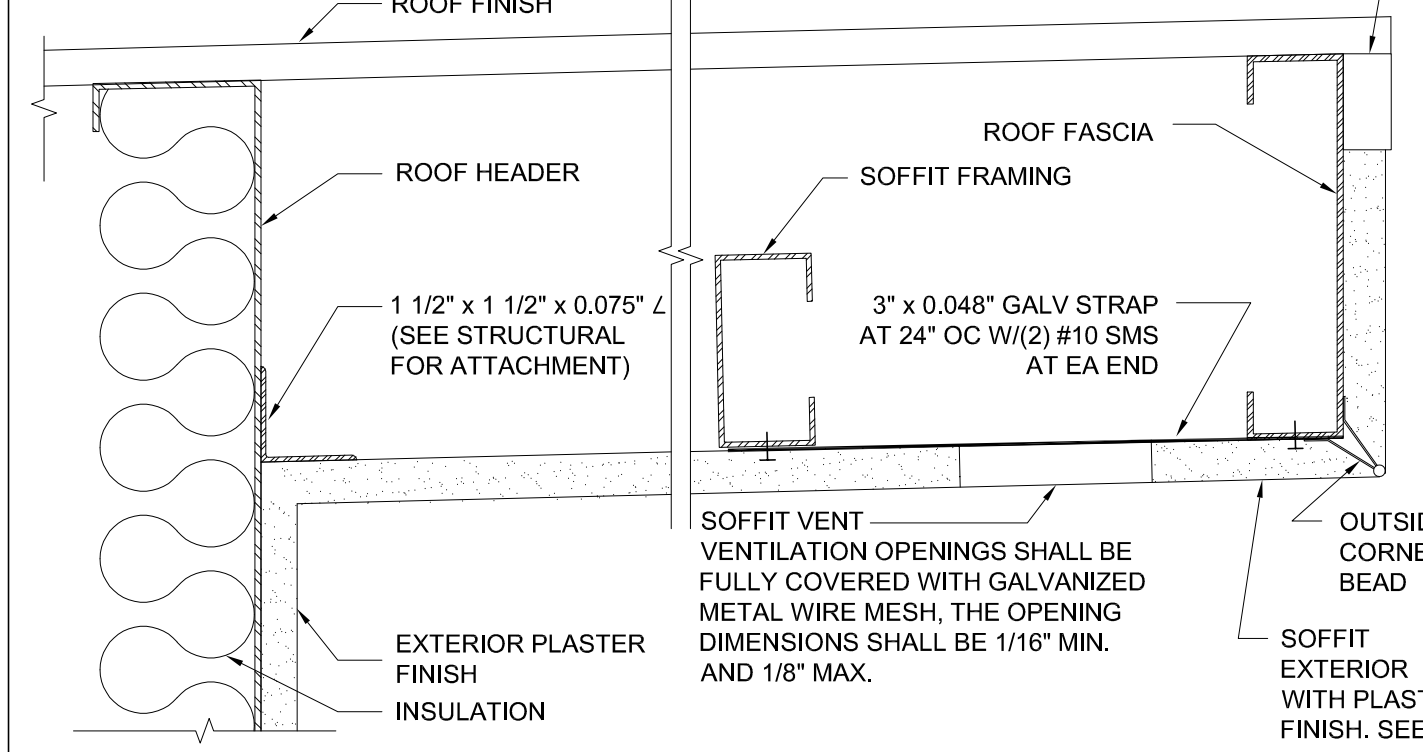
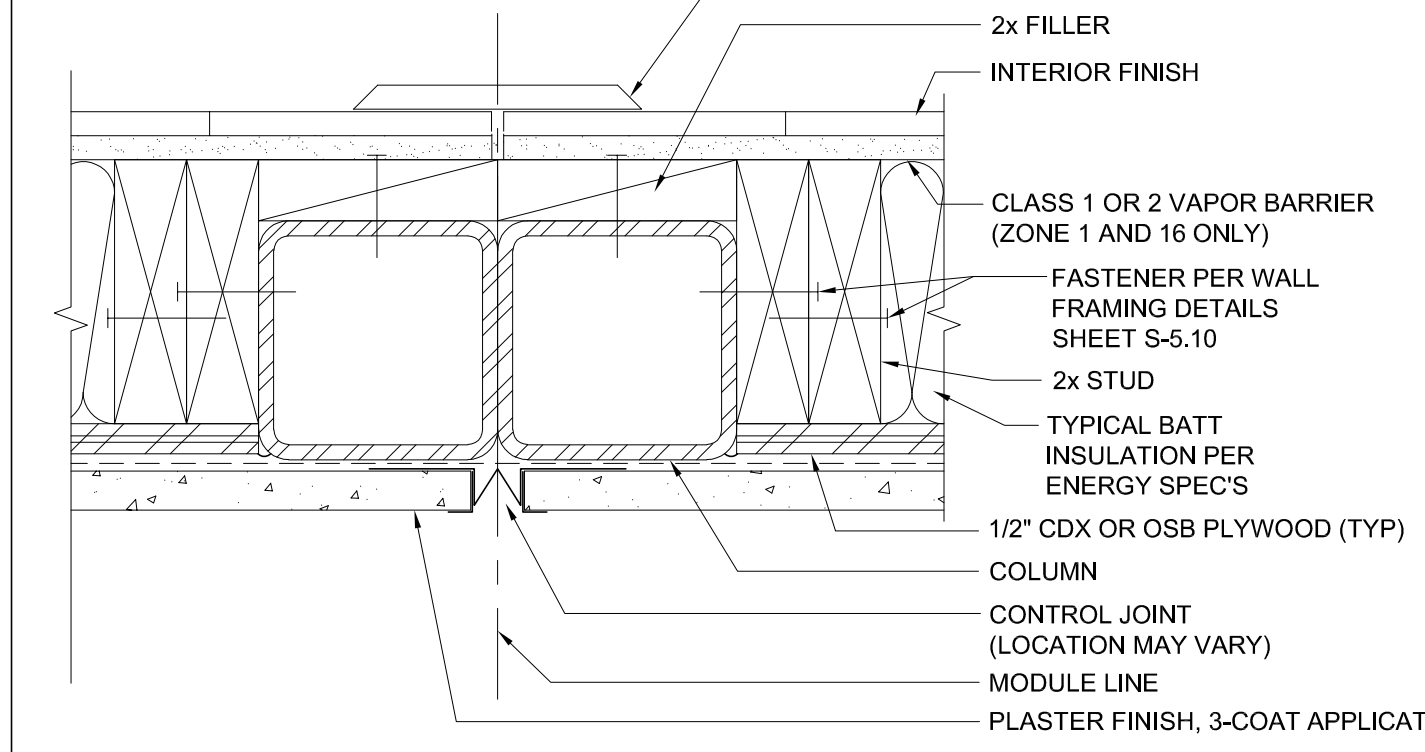

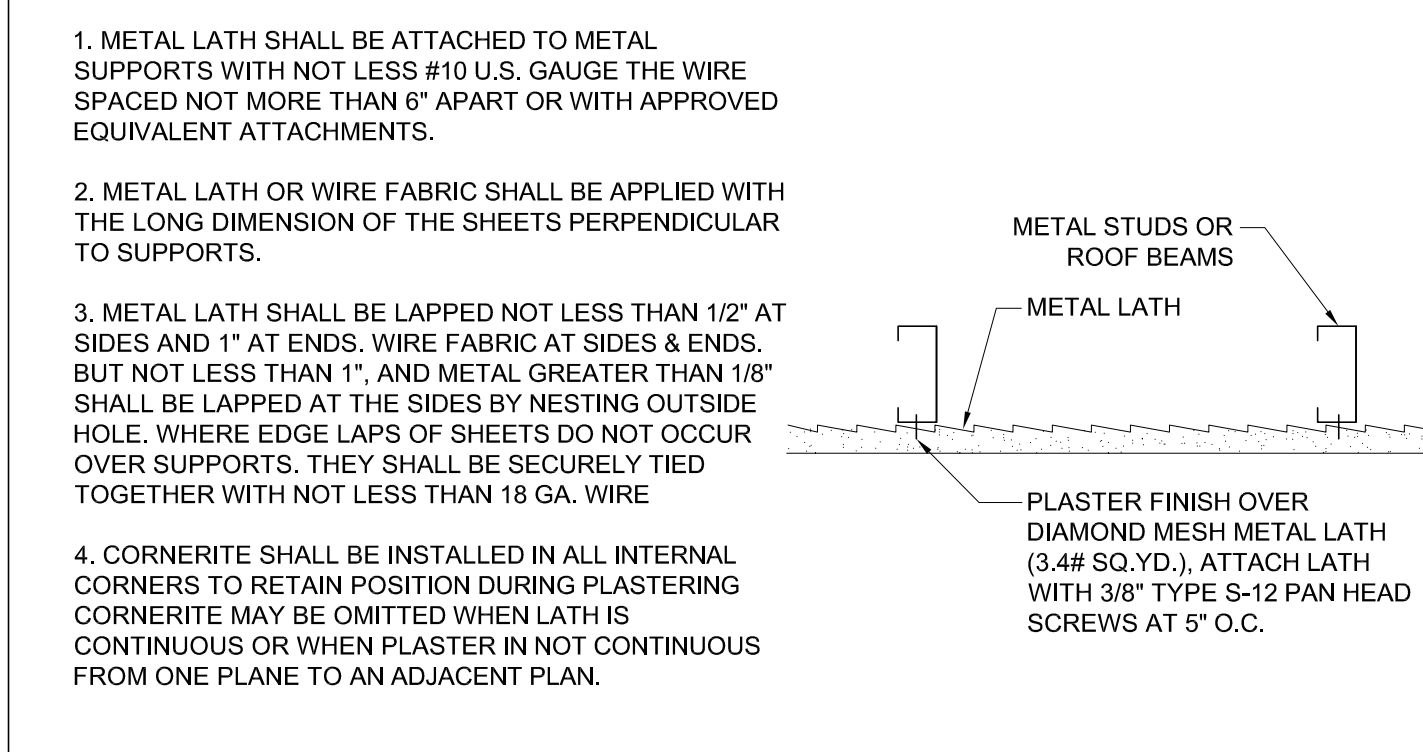
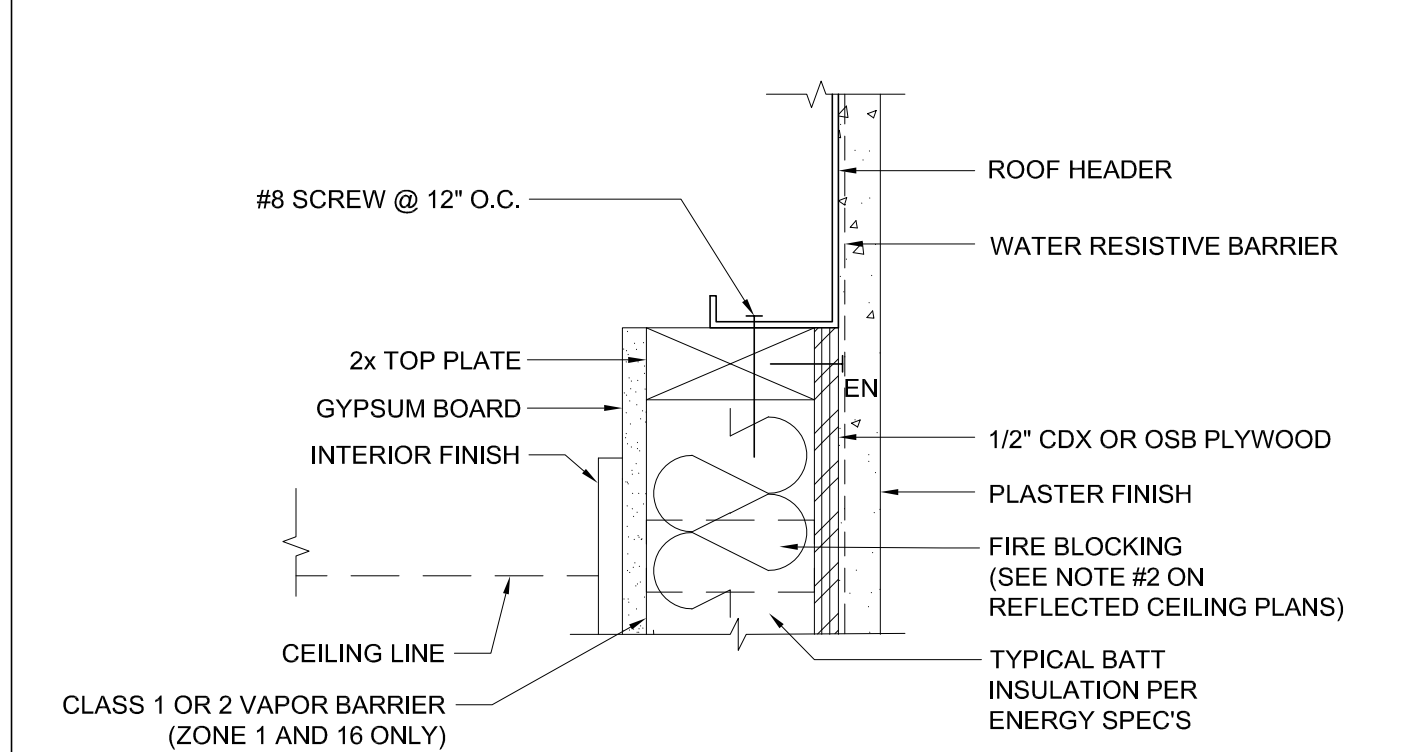
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SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-5.50

 <p>HVAC UNIT ATTACH BUILT-IN FLANGE TO WALL w/ (6) OR (8) 3/8"x2" LAG SCREWS. (HOLES PROVIDED IN FLANGE PER MANUFACTURER) SEALANT EXTERIOR FINISH O/ VAPOR BARRIER 2x4 BLOCK 1/2" PLYWOOD 10d NAILS AT 3" O.C. STAGGERED (TYP) OPTIONAL BLOCKING 4x4 POST (SEE WALL FRAMING ELEVATION AND STRUCTURAL FOR ATTACHMENT) INTERIOR FINISH TYPICAL BATT INSULATION PER ENERGY SPEC'S R.O.</p>	16	 <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S JAMB STUDS INTERIOR FINISH CORNER MOLDING TRIM CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) WINDOW GLAZING WINDOW FRAME TRIMMER STUD PER PLAN 0.018" "J" MOLDING 1/2" CDX OR OSB PLYWOOD (TYP) PLASTER FINISH SEALANT (TYP)</p>	11	 <p>INTERIOR FINISH CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) TYPICAL BATT INSULATION PER ENERGY SPEC'S WATER RESISTIVE BARRIER 1/2" CDX OR OSB PLYWOOD PLASTER FINISH PLASTER STOP 0.018" DRIP FLASHING WHEN NECESSARY HEADER DOOR FRAME ROUGH OPENING</p>	6	 <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S SIDE WALLS FASTENER PER WALL FRAMING DETAILS SHEET S-5.10 E.N. 6" SEPARATION END WALL END WALL CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) INTERIOR FINISH COLUMN WATER RESISTIVE BARRIER 2x STUD FASTENER EACH SIDE AT 12" OC 0.018" GALVANIZED EXPANSION COVER PLASTER FINISH, 3-COAT APPLICATION 1/2" CDX OR OSB PLYWOOD (TYP)</p>	1
 <p>INTERIOR FINISH CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) TYPICAL BATT INSULATION PER ENERGY SPEC'S HVAC UNIT 24" x 0.105" LONG BRACKET W/ (6) 3/8" DIA x 2" LAG BOLTS PLASTER FINISH 1/2" CDX OR OSB PLYWOOD 2x6 LET-IN BLOCKING (SEE WALL FRAMING ELEVATION AND STRUCTURAL FOR ATTACHMENT) INTERIOR FINISH</p>	17	 <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S WATER RESISTIVE BARRIER HEADER 1/2" CDX OR OSB PLYWOOD PLASTER FINISH PLASTER STOP 0.018" DRIP FLASHING WHEN NECESSARY WINDOW FRAME WINDOW GLAZING CORNER MOLDING TRIM INTERIOR FINISH CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)</p>	12	 <p>CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) INTERIOR FINISH TYPICAL BATT INSULATION PER ENERGY SPEC'S WATER RESISTIVE BARRIER 1/2" CDX OR OSB PLYWOOD (TYP) PLASTER FINISH PLASTER STOP SEALANT JAMB STUD DOOR FRAME ROUGH OPENING</p>	7	 <p>CORNER CONTROL JOINT COLUMN PLASTER FINISH, 7/8" THK, 3-COAT O/ MTL. LATH O/ 2-LAYERS OF WATER RESISTIVE BARRIER. 1/2" CDX OR OSB PLYWOOD (TYP) 2x STUD WATER RESISTIVE BARRIER FASTENER PER WALL FRAMING DETAILS SHEET S-5.10 SIDE WALL END WALL CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) TYPICAL BATT INSULATION PER ENERGY SPEC'S INTERIOR FINISH</p>	2
 <p>ATTACH BRACKET TO WALL W/ 3/8"x2" LAG SCREWS HVAC UNIT TYPICAL BATT INSULATION PER ENERGY SPEC'S 16 A-5.51 OPENING INTERIOR FINISH 4x4 POST COLUMN</p>	18	 <p>TRIM CORNER MOLDING WINDOW GLAZING WINDOW FRAME SEALANT PLASTER STOP PLASTER FINISH SILL PLATE 1/2" CDX OR OSB PLYWOOD WATER RESISTIVE BARRIER TYPICAL BATT INSULATION PER ENERGY SPEC'S INTERIOR FINISH CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)</p>	13	 <p>FASTENER PER WALL FRAMING DETAILS SHEET S-5.10 1/2" CDX OR OSB PLYWOOD WATER RESISTIVE BARRIER COLUMN CORNER PLASTER STOP PLASTER FINISH, 7/8" THK, 3-COAT O/ MTL. LATH O/ 2-LAYERS OF WATER RESISTIVE BARRIER. SHIM AS REQ'D DOOR FRAME SIDE WALL ROUGH OPENING CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) TYPICAL BATT INSULATION PER ENERGY SPEC'S INTERIOR FINISH</p>	8	 <p>FIELD INSTALL FULL PANEL CLOSE-UP 2x FILLER INTERIOR FINISH CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) FASTENER PER WALL FRAMING DETAILS SHEET S-5.10 2x STUD TYPICAL BATT INSULATION PER ENERGY SPEC'S 1/2" CDX OR OSB PLYWOOD (TYP) COLUMN CONTROL JOINT (LOCATION MAY VARY) MODULE LINE PLASTER FINISH, 3-COAT APPLICATION</p>	3
 <p>ROOF FINISH STUCCO STOP ROOF FASCIA SOFFIT FRAMING 1 1/2" x 1 1/2" x 0.075" L (SEE STRUCTURAL FOR ATTACHMENT) 3" x 0.048" GALV STRAP AT 24" OC W/ (2) #10 SMS AT EA END SOFFIT VENT EXTERIOR PLASTER FINISH INSULATION OUTSIDE CORNER BEAD SOFFIT EXTERIOR WITH PLASTER FINISH. SEE 15/</p>	19	 <p>INTERIOR FINISH STUD TYPICAL BATT INSULATION PER ENERGY SPEC'S KING STUD TRIMMER STUD DOOR FRAME ROUGH OPENING</p>	9	 <p>FIELD INSTALLED CLOSURE STRIP 2x FILLER INTERIOR FINISH CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY) FASTENER PER WALL FRAMING DETAILS SHEET S-5.10 2x STUD TYPICAL BATT INSULATION PER ENERGY SPEC'S 1/2" CDX OR OSB PLYWOOD (TYP) COLUMN CONTROL JOINT (LOCATION MAY VARY) MODULE LINE PLASTER FINISH, 3-COAT APPLICATION</p>	4		
 <p>1. METAL LATH SHALL BE ATTACHED TO METAL SUPPORTS WITH NOT LESS #10 U.S. GAUGE THE WIRE SPACED NOT MORE THAN 6" APART OR WITH APPROVED EQUIVALENT ATTACHMENTS. 2. METAL LATH OR WIRE FABRIC SHALL BE APPLIED WITH THE LONG DIMENSION OF THE SHEETS PERPENDICULAR TO SUPPORTS. 3. METAL LATH SHALL BE LAPPED NOT LESS THAN 1/2" AT SIDES AND 1" AT ENDS. WIRE FABRIC AT SIDES & ENDS, BUT NOT LESS THAN 1", AND METAL GREATER THAN 1/8" SHALL BE LAPPED AT THE SIDES BY NESTING OUTSIDE HOLE. WHERE EDGE LAPS OF SHEETS DO NOT OCCUR OVER SUPPORTS, THEY SHALL BE SECURELY TIED TOGETHER WITH NOT LESS THAN 16 GA. WIRE. 4. CORNERITE SHALL BE INSTALLED IN ALL INTERNAL CORNERS TO RETAIN POSITION DURING PLASTERING CORNERITE MAY BE OMITTED WHEN LATH IS CONTINUOUS OR WHEN PLASTER IN NOT CONTINUOUS FROM ONE PLANE TO AN ADJACENT PLAN.</p>	20	 <p>STUD INTERIOR FINISH KING STUD TRIMMER STUD DOOR FRAME ROUGH OPENING</p>	10	 <p>#8 SCREW @ 12" O.C. ROOF HEADER WATER RESISTIVE BARRIER 1/2" CDX OR OSB PLYWOOD PLASTER FINISH FIRE BLOCKING (SEE NOTE #2 ON REFLECTED CEILING PLANS) TYPICAL BATT INSULATION PER ENERGY SPEC'S 2x TOP PLATE GYPSUM BOARD INTERIOR FINISH CEILING LINE CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)</p>	5		

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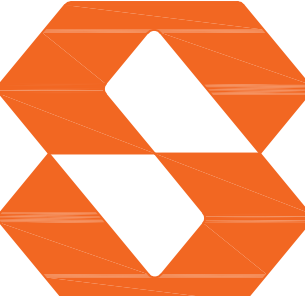
ARCHITECTURAL
DETAILS
WOOD STUD - PLASTER

REVISIONS

PRE-CHECK (PC) DOCUMENT
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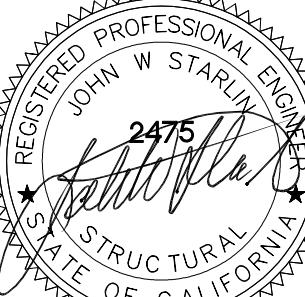
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PC STATE AGENCY APPROVAL



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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

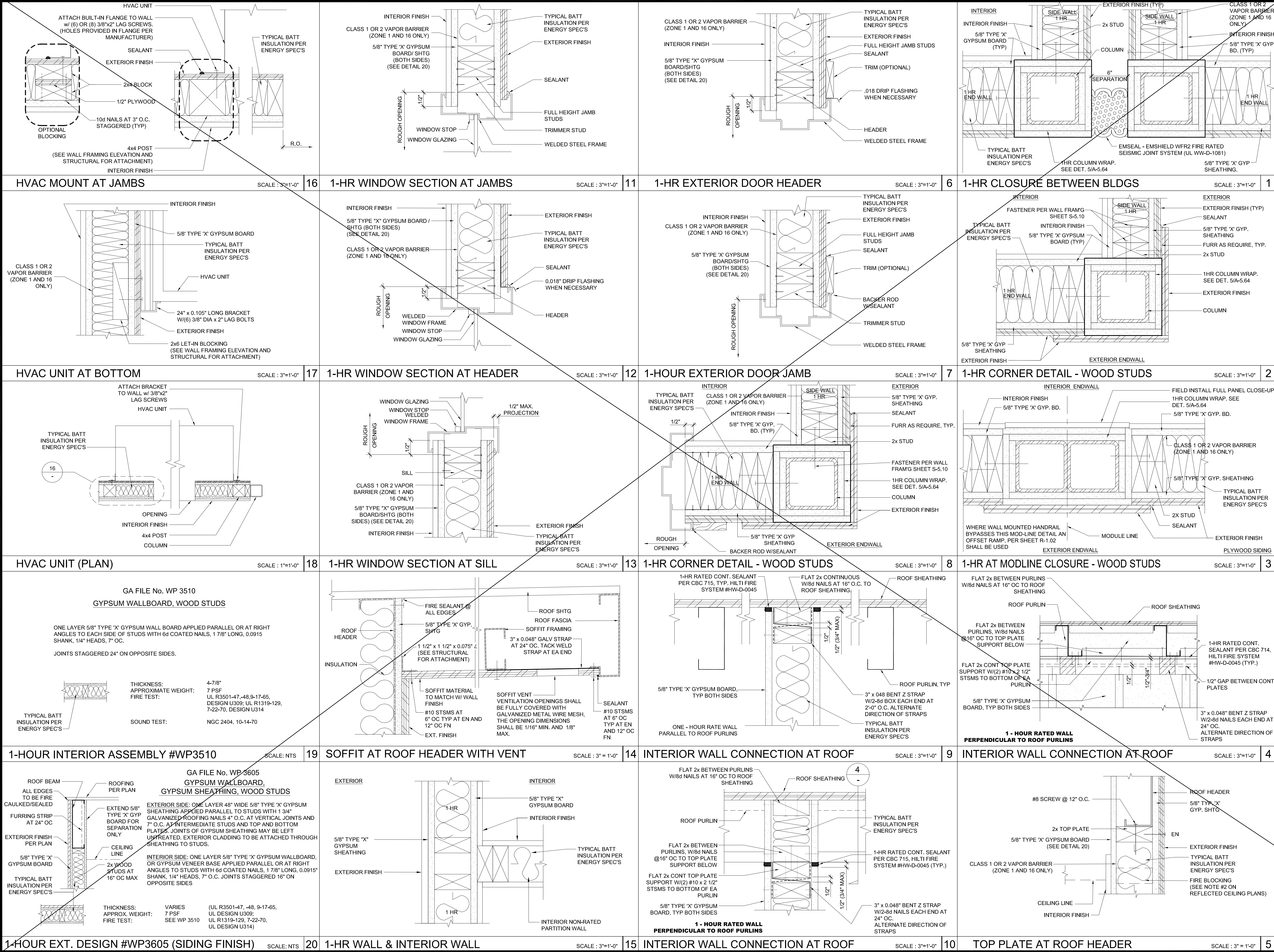
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PROJECT NAME:

SHEET TITLE:

ARCHITECTURAL DETAILS

WOOD STUD - WOOD SIDING

1 HOUR RATED

REVISIONS	
1	
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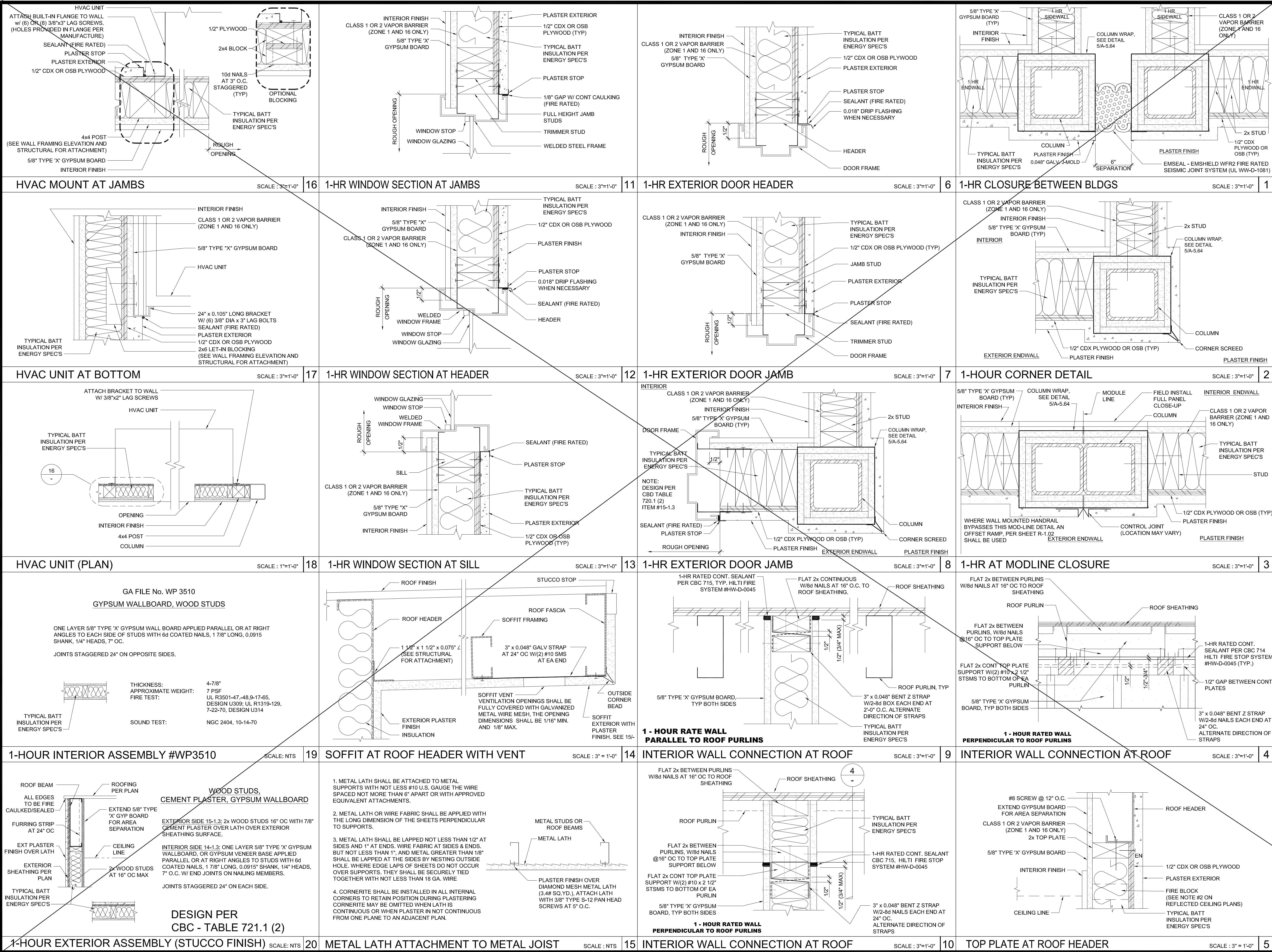
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PC STATE AGENCY APPROVAL

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	<h1>A-5.52</h1>



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PROJECT NAME:

SHEET TITLE:

ARCHITECTURAL
DETAILS
WOOD STUD - PLASTER
1 HOUR RATED

REVISIONS

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SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

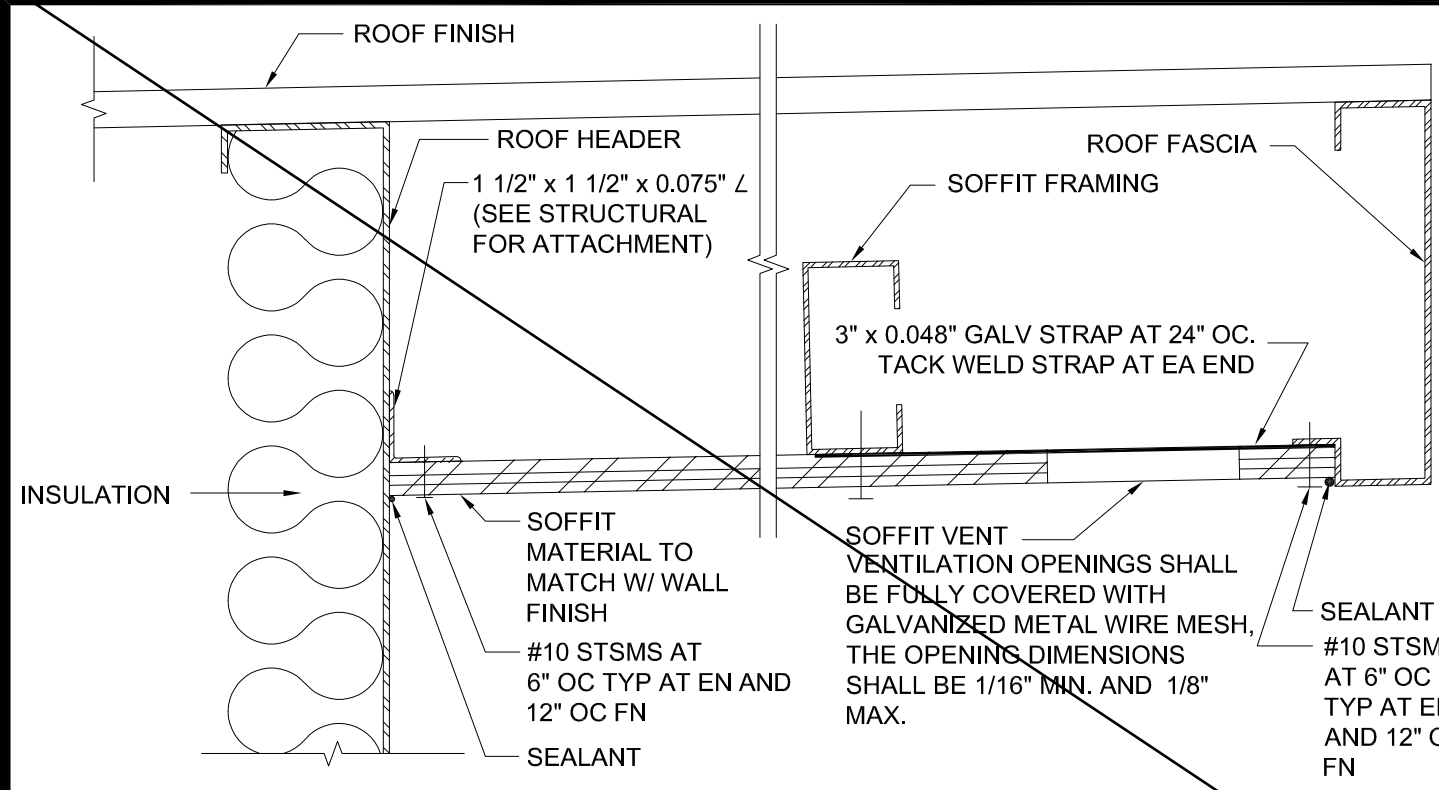
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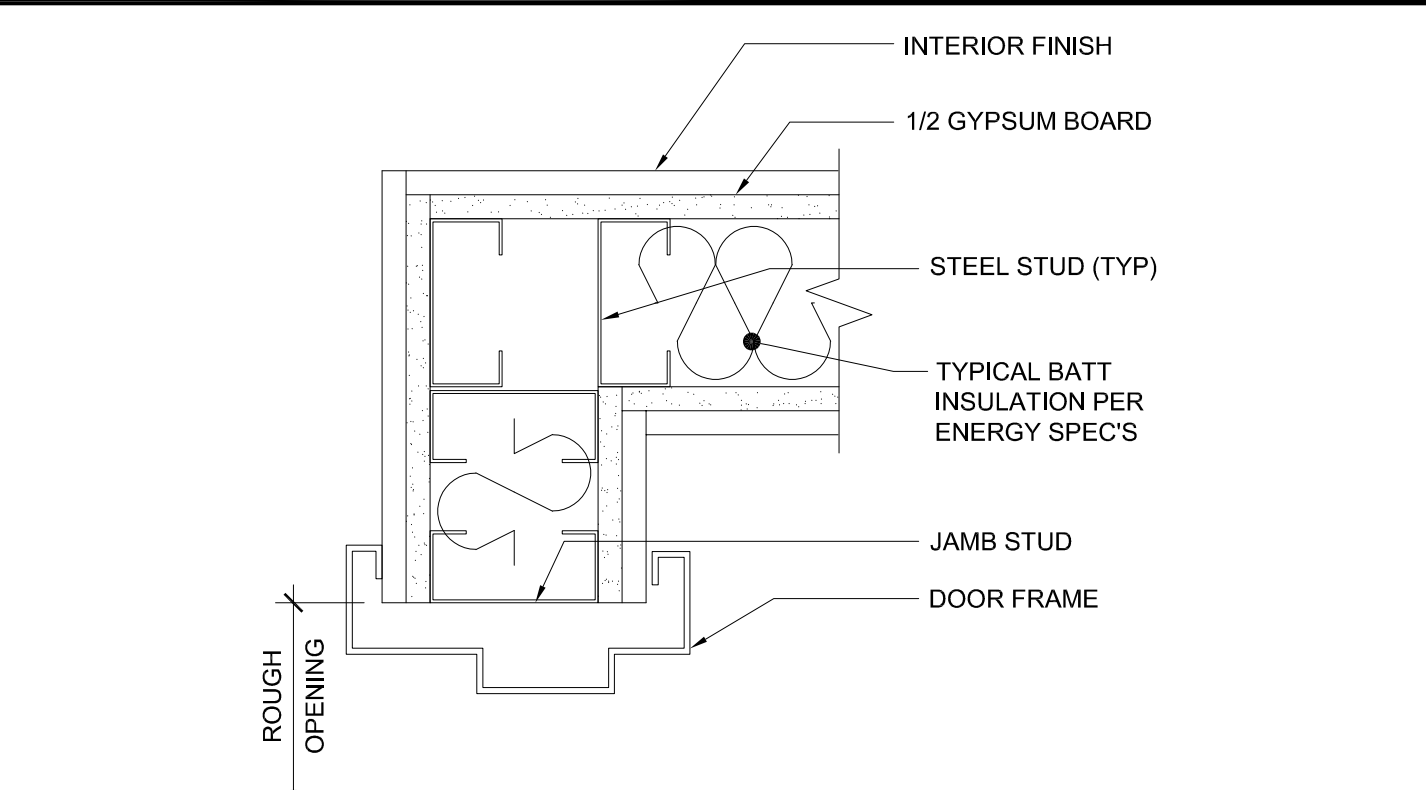
A-5.53



SOFFIT AT ROOF HEADER WITH VENT

SCALE : 3"=1'-0"

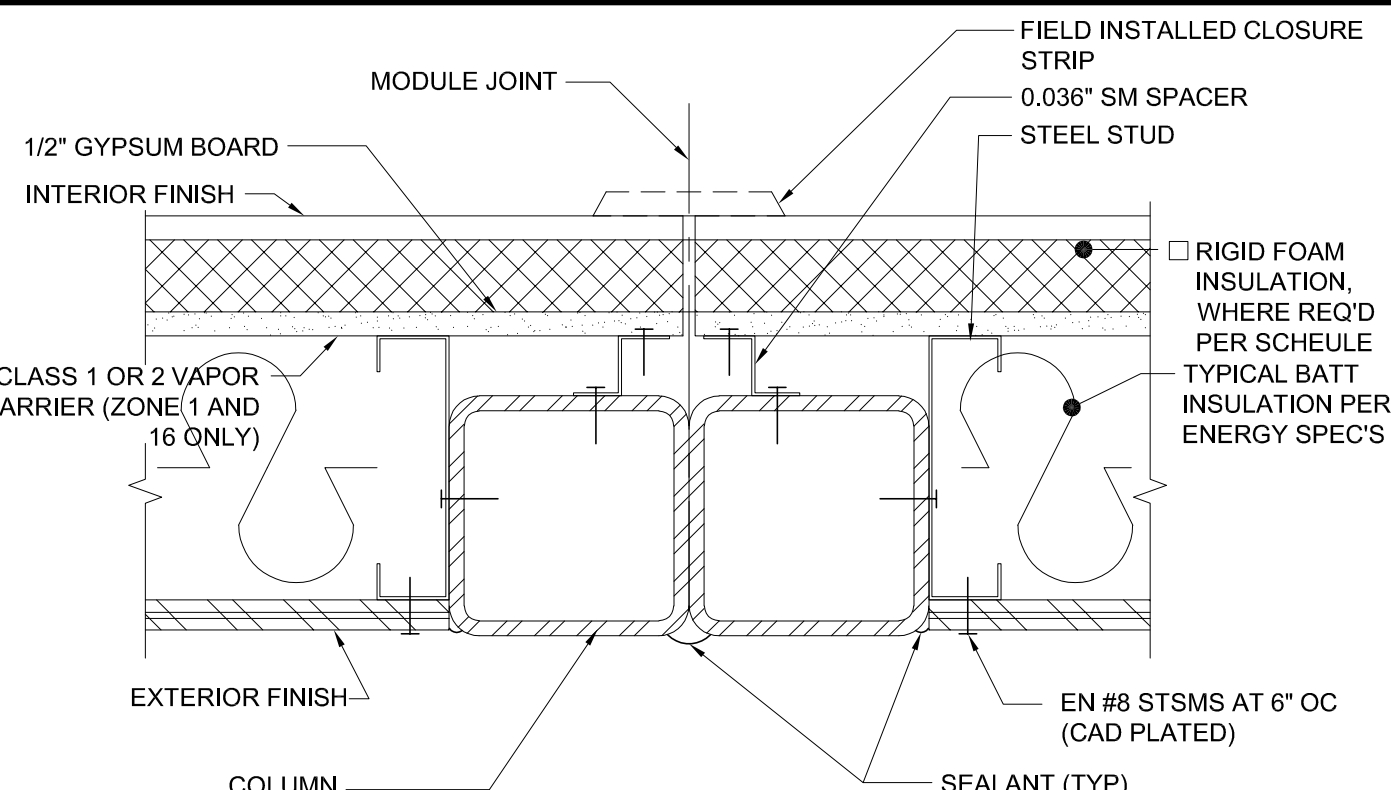
14



INTERIOR DOOR JAMB

SCALE : 3"=1'-0"

9



COLUMN AT MODULE LINE

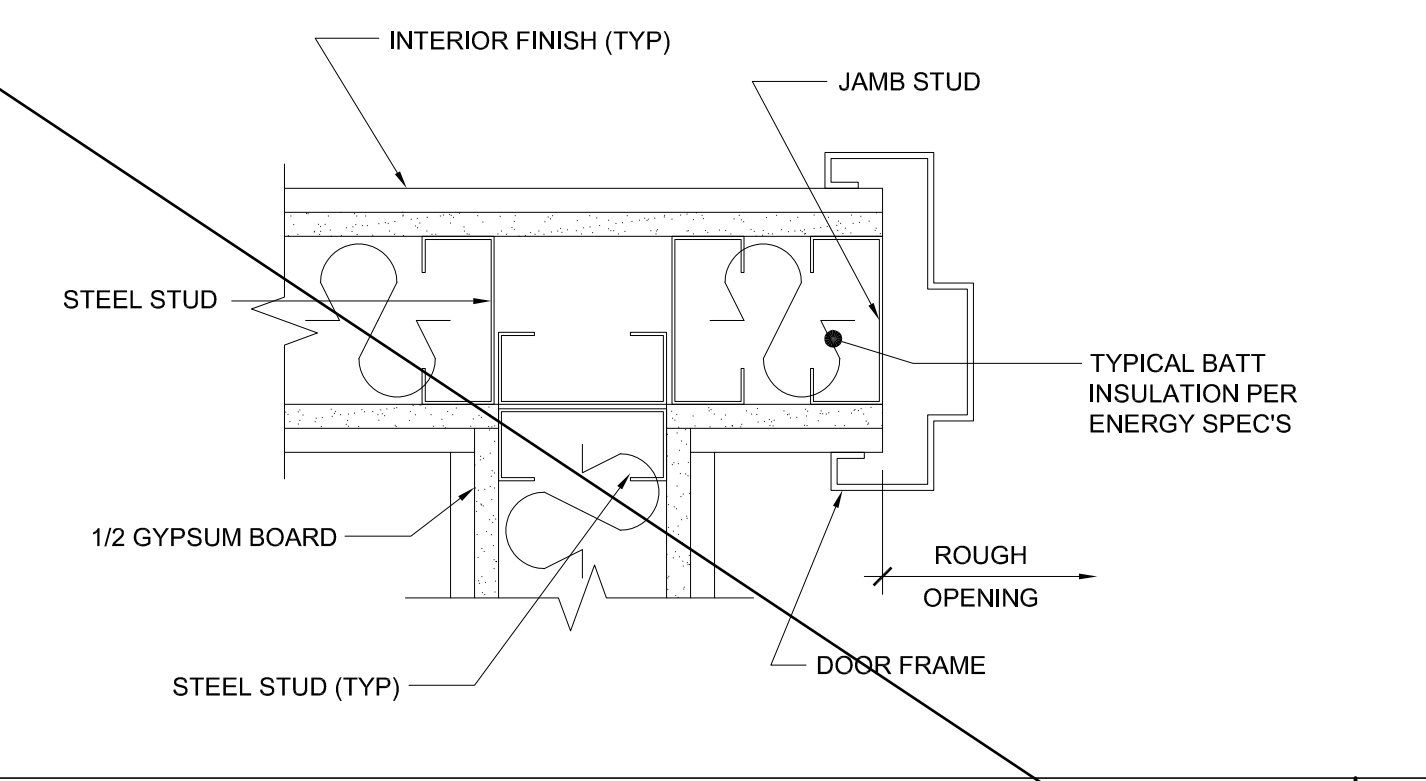
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4



NOT USED

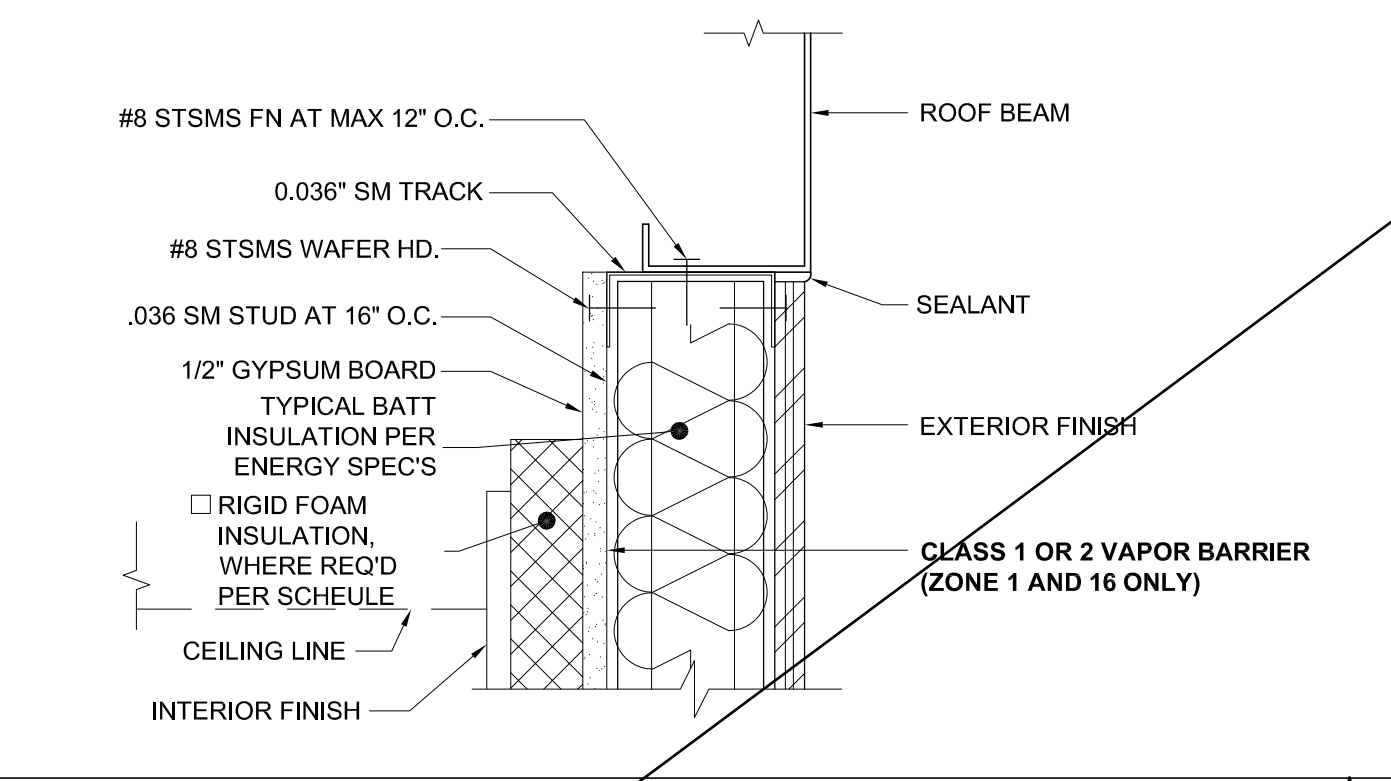
15



INTERIOR DOOR JAMBS

SCALE : 3"=1'-0"

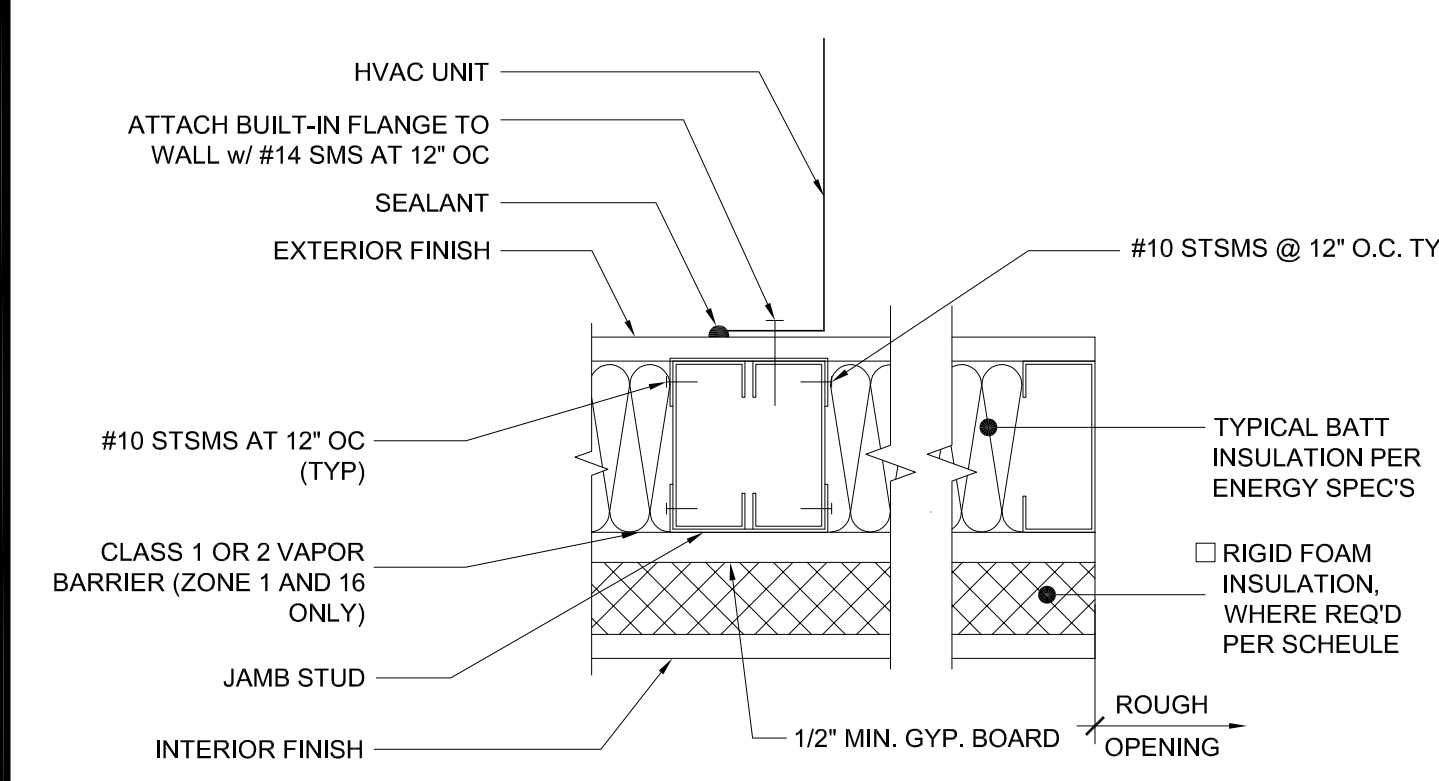
10



TOP PLATE AT ROOF HEADER

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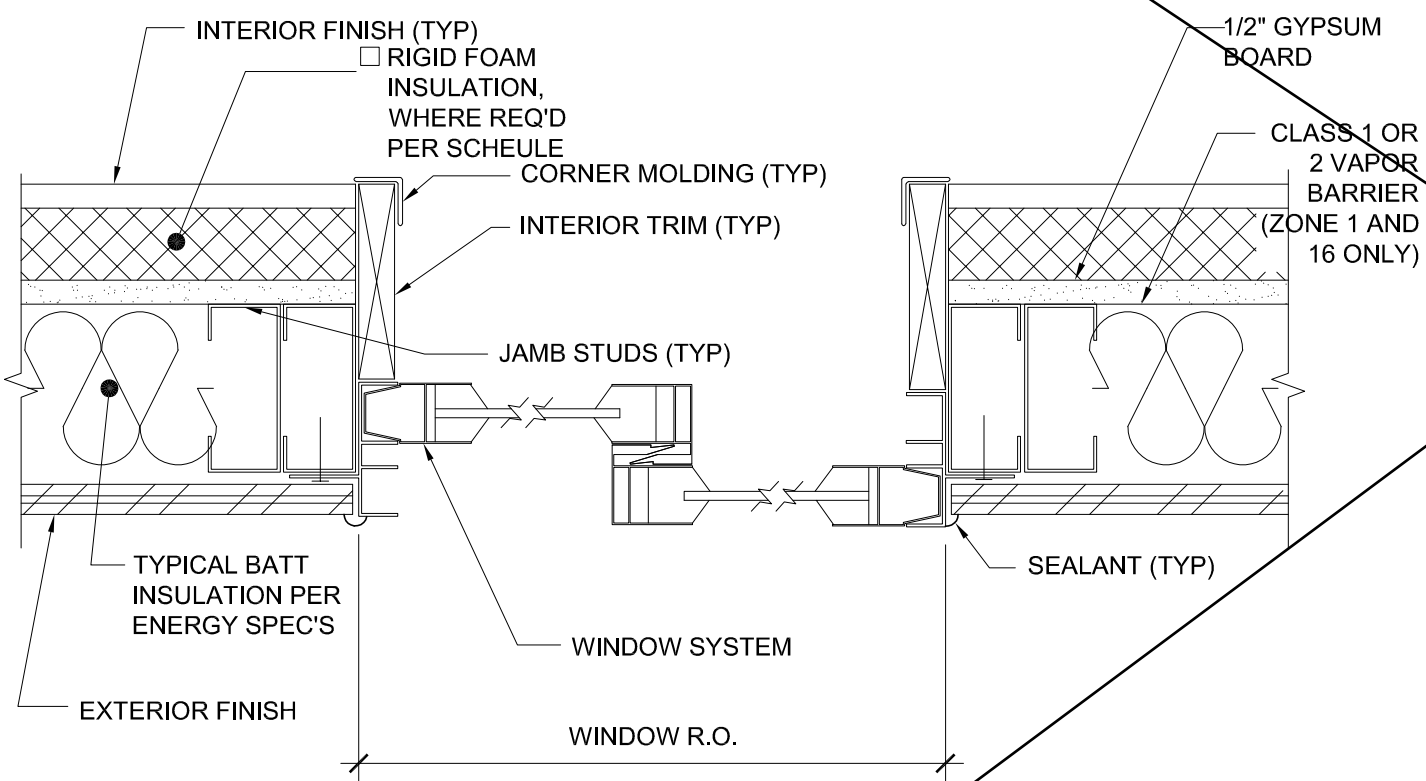
5



HVAC MOUNT AT JAMBS

SCALE : 3"=1'-0"

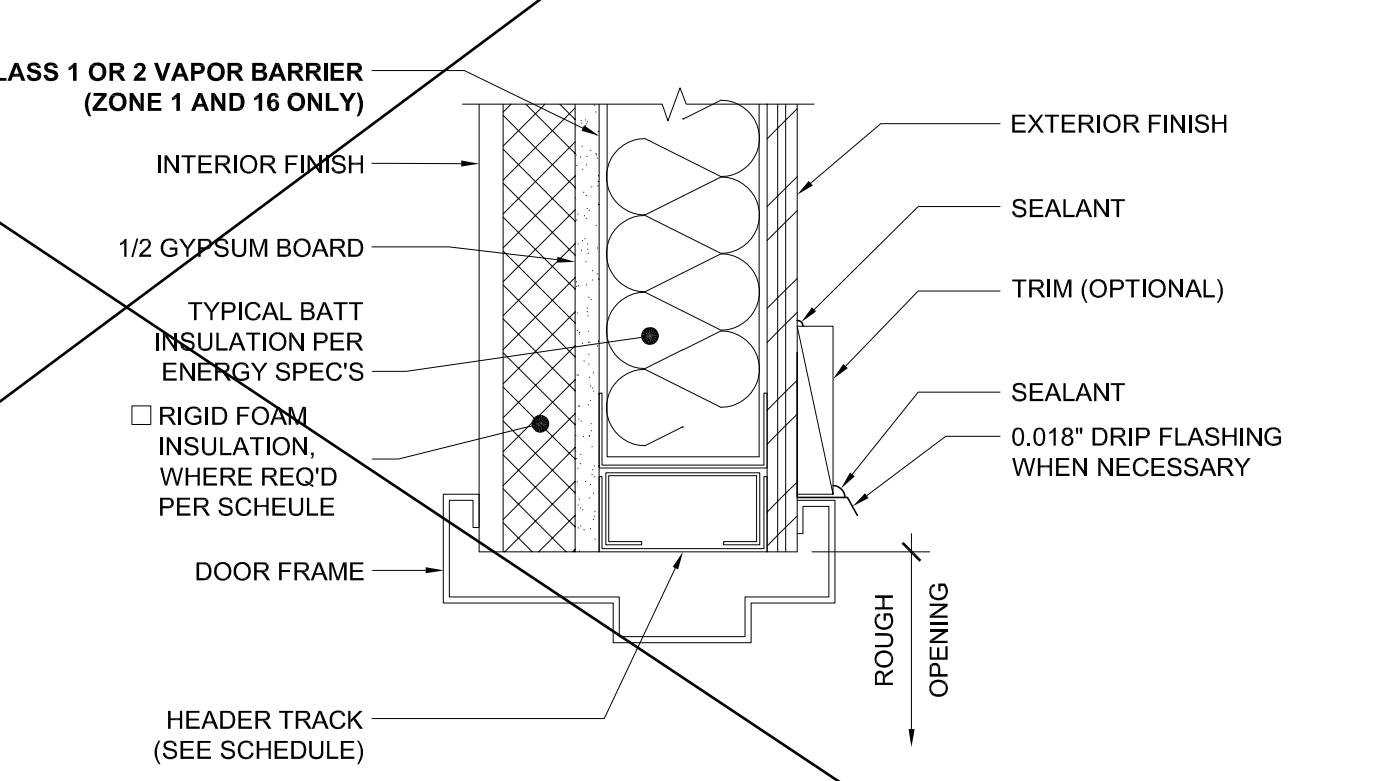
16



WINDOW SECTION AT JAMBS

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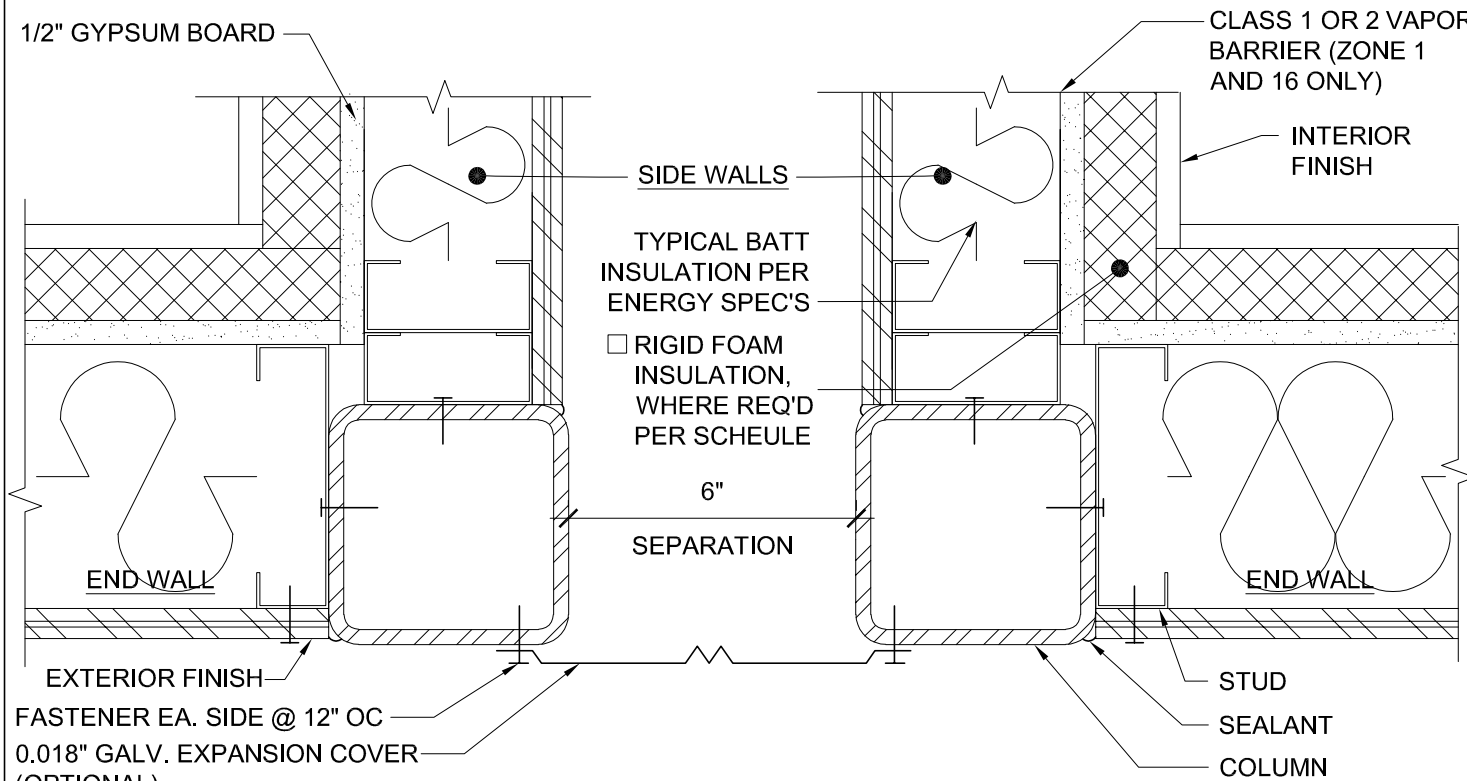
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EXTERIOR DOOR HEADER

SCALE : 3"=1'-0"

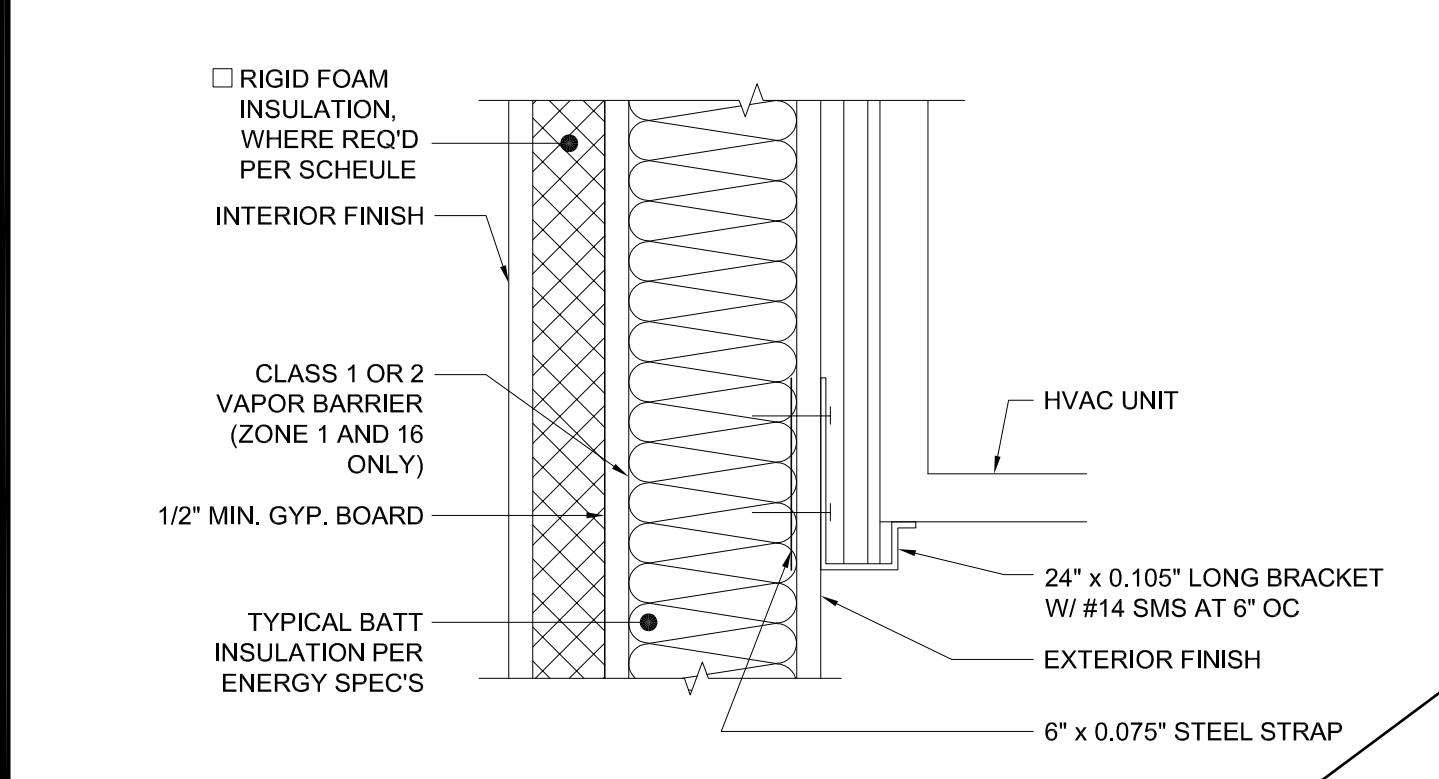
6



CLOSURE BETWEEN BUILDINGS

SCALE : 3"=1'-0"

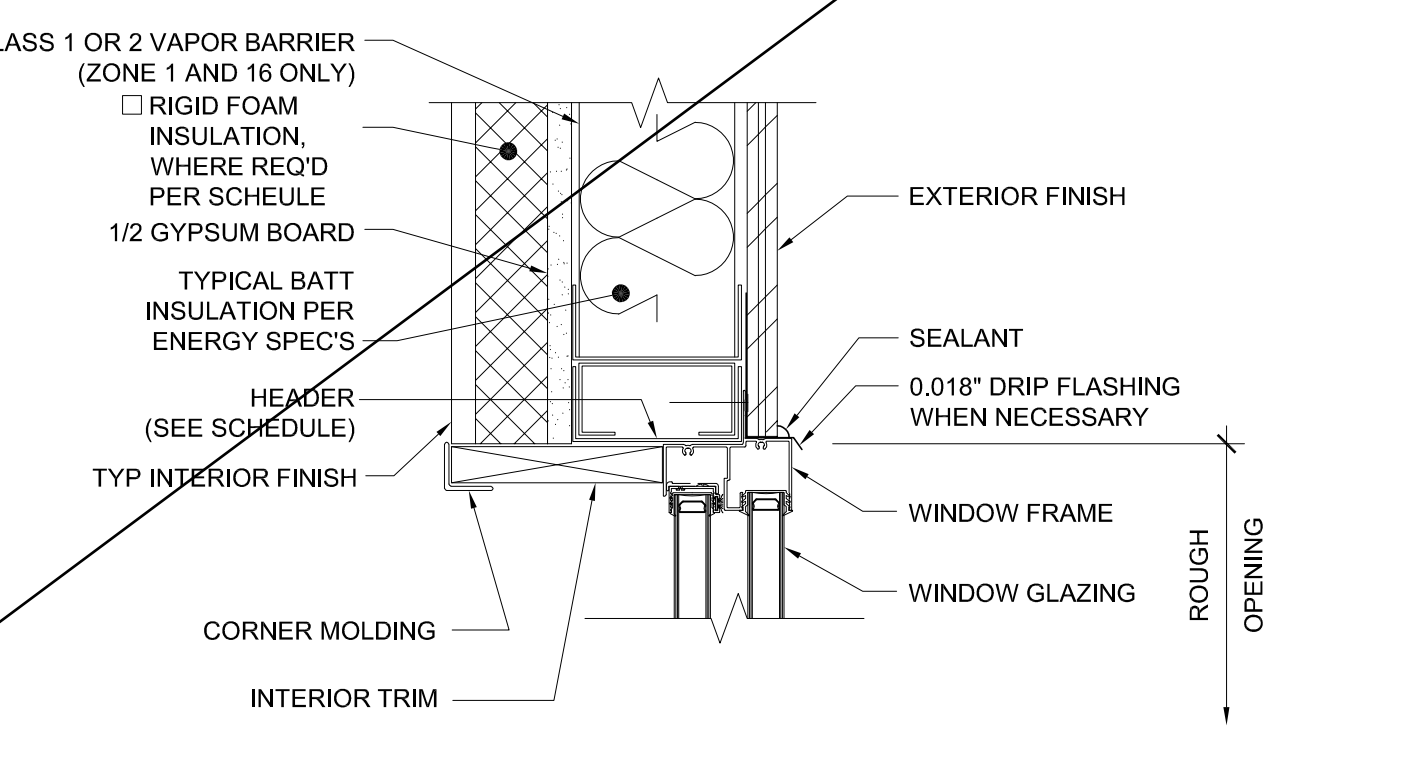
1



HVAC UNIT AT BOTTOM

SCALE : 3"=1'-0"

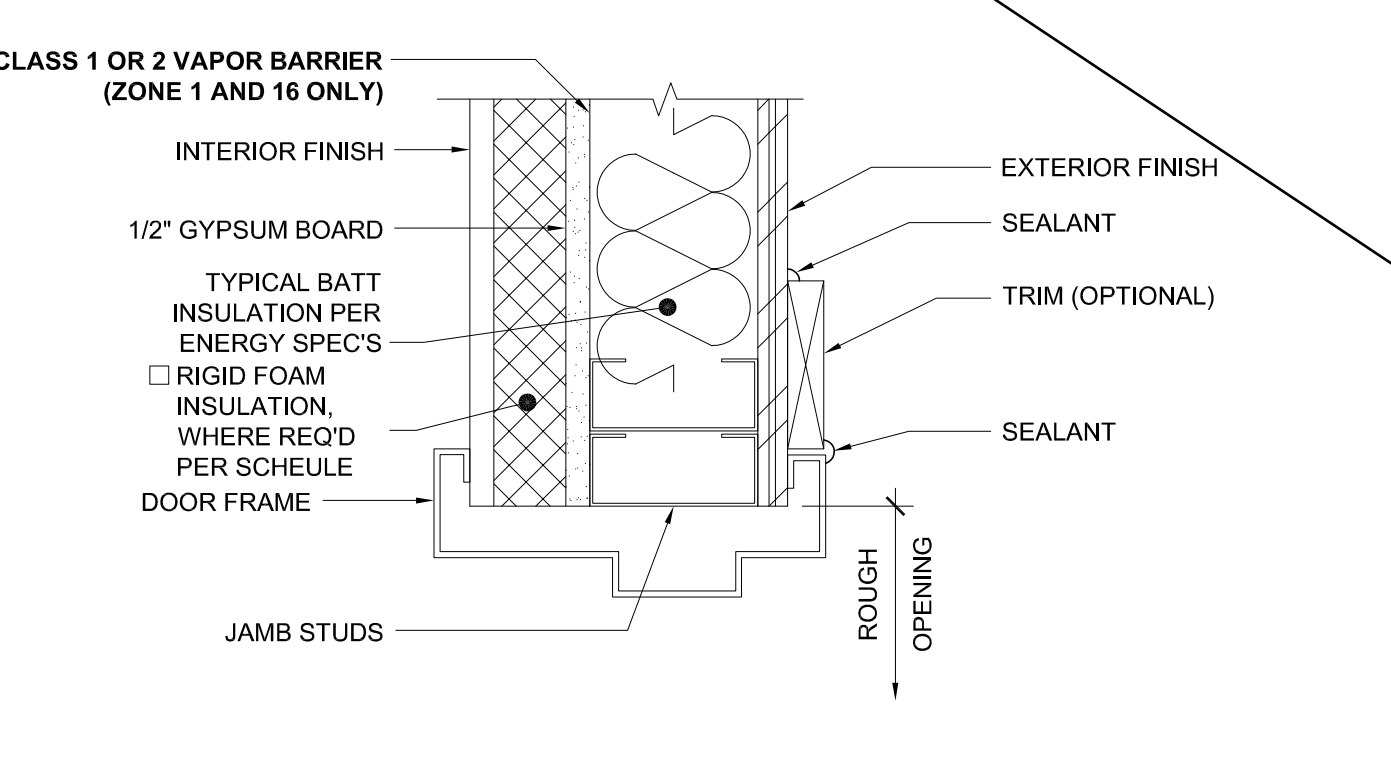
17



WINDOW HEADER

SCALE : 3"=1'-0"

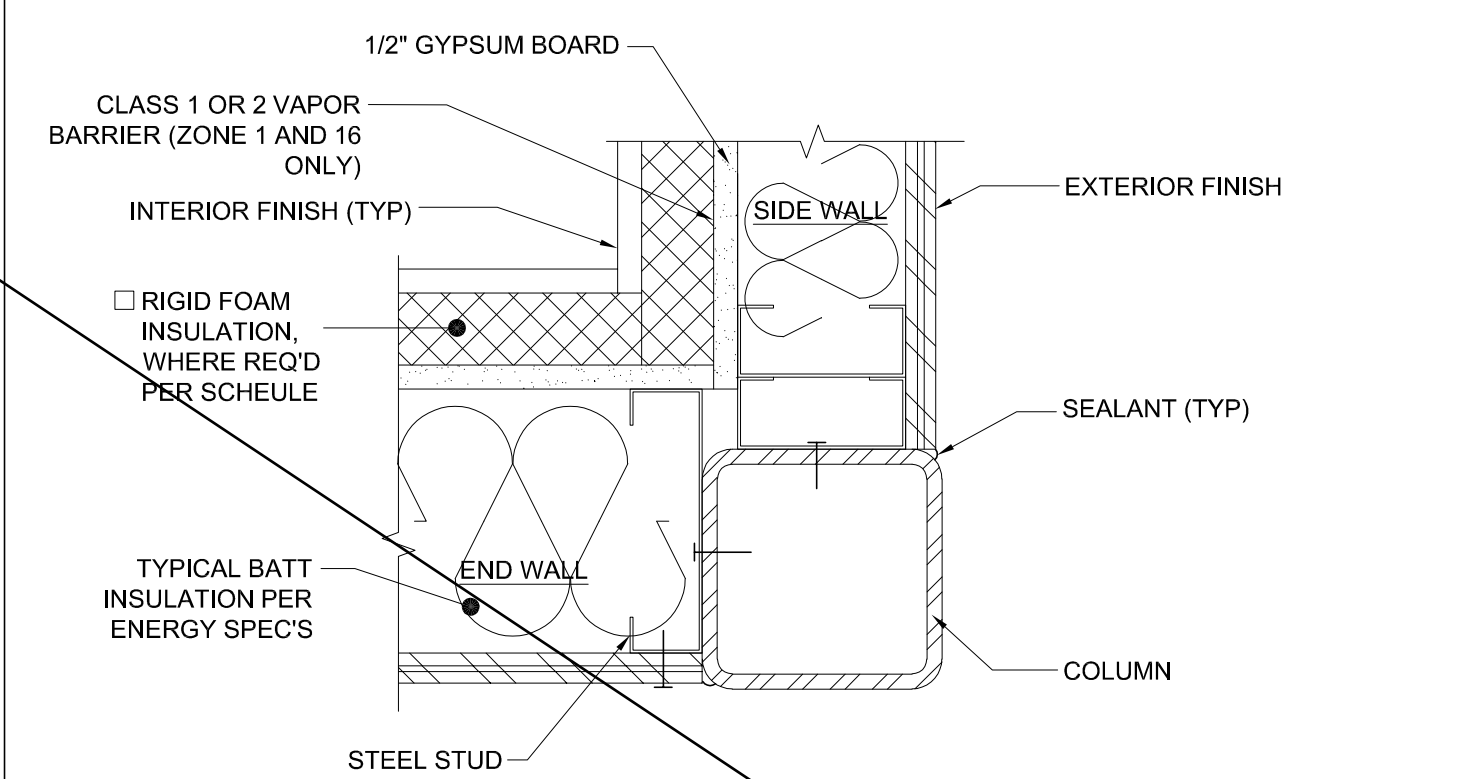
12



EXTERIOR DOOR JAMB

SCALE : 3"=1'-0"

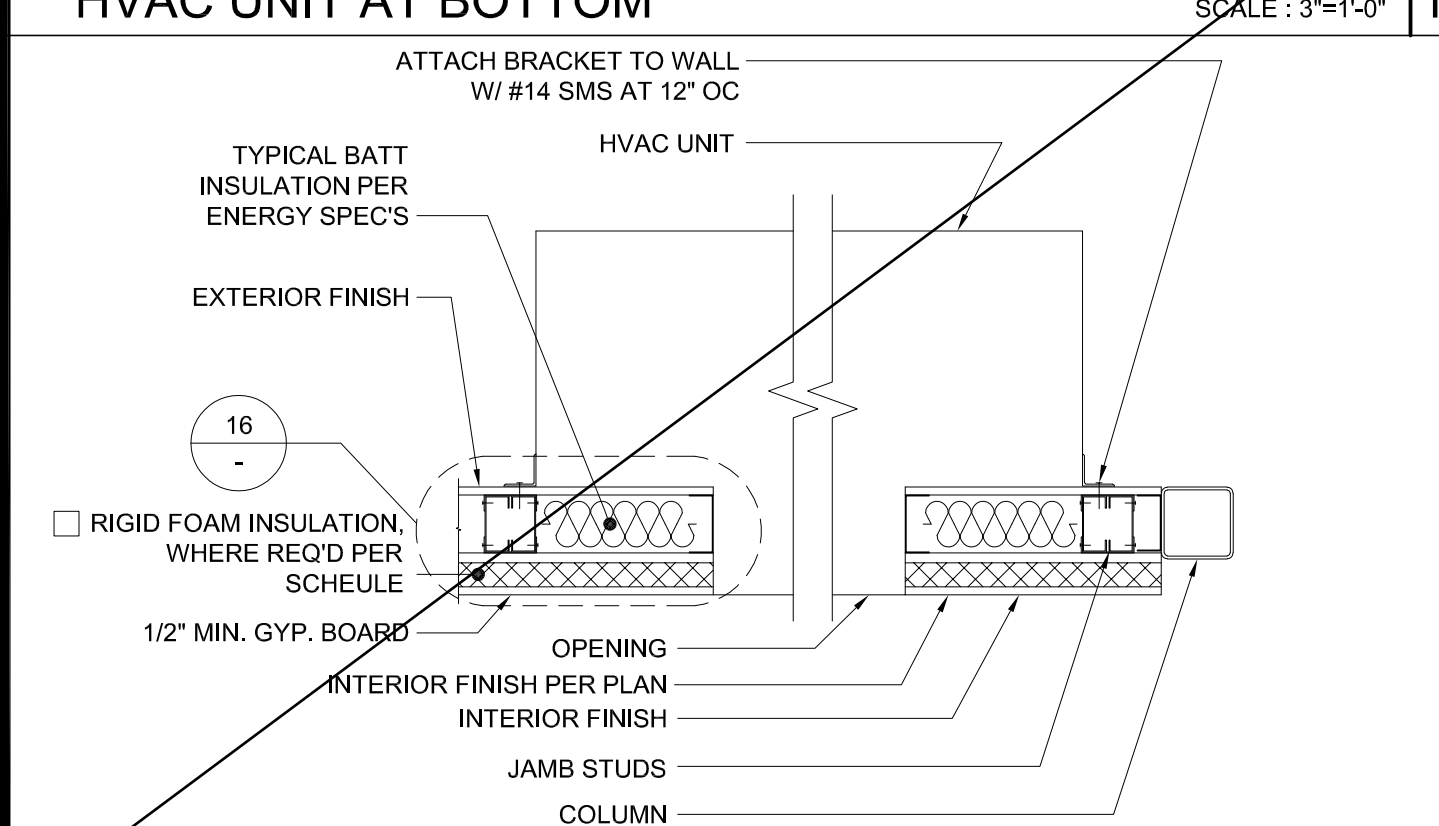
7



COLUMN AT CORNER

SCALE : 3"=1'-0"

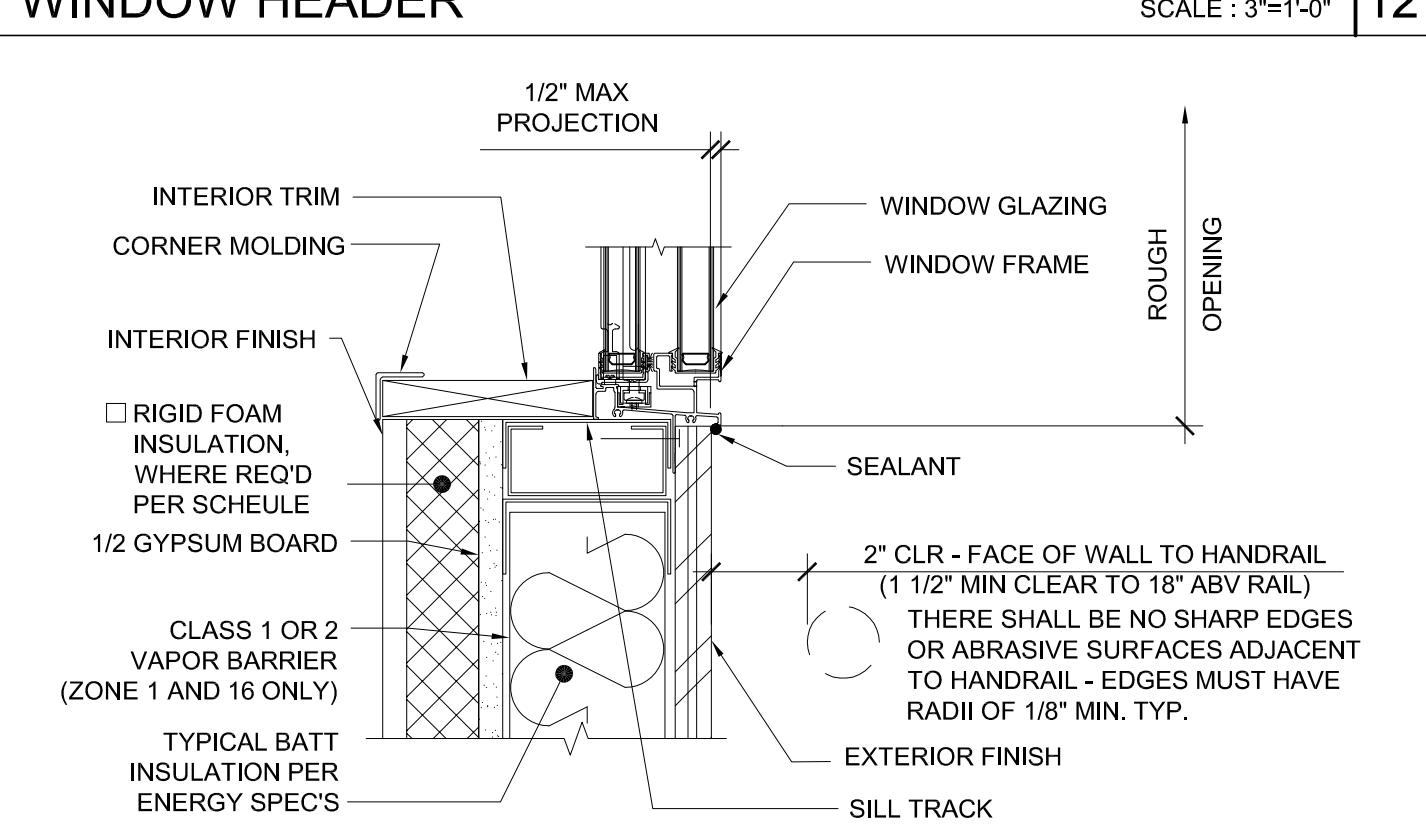
2



HVAC UNIT (PLAN)

SCALE : 1"=1'-0"

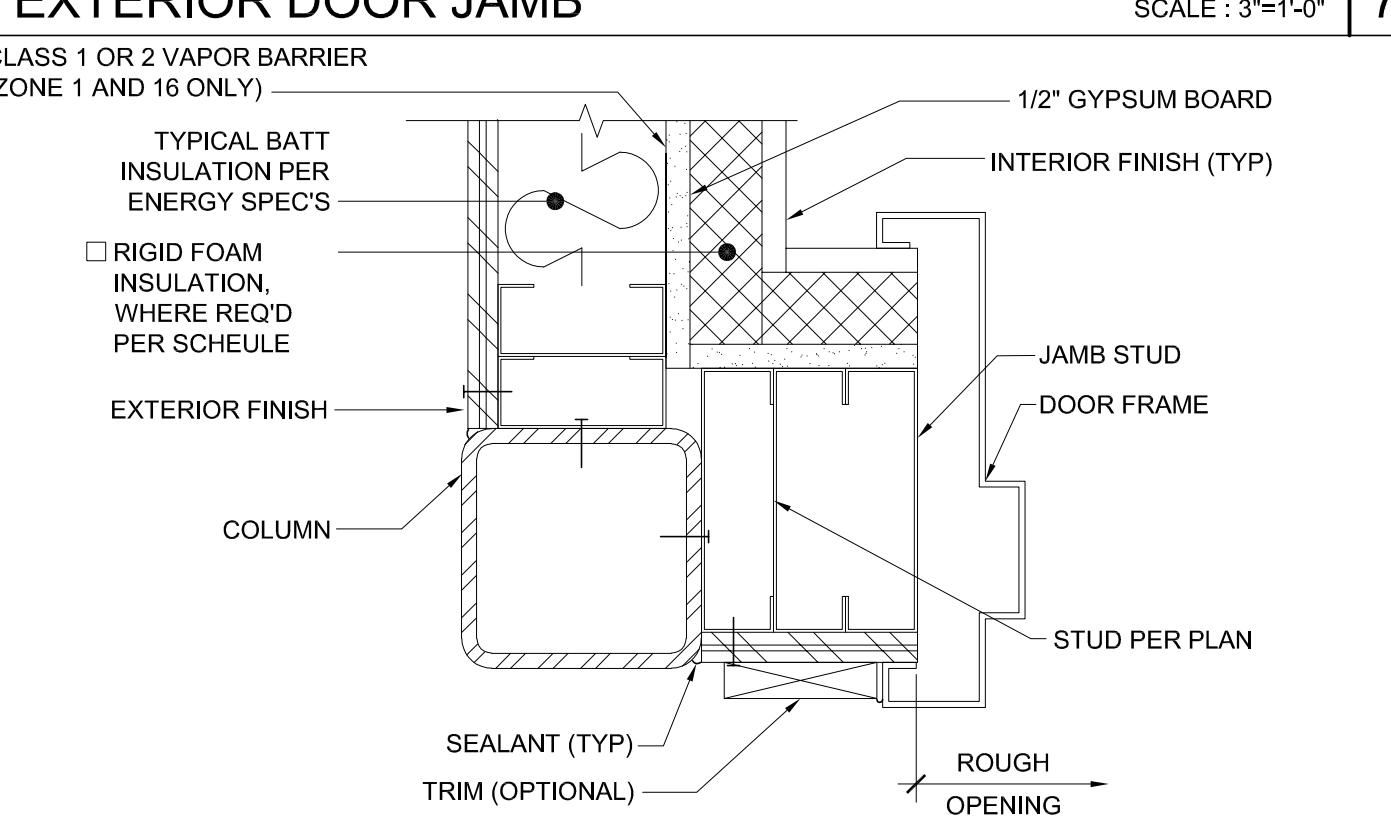
18



WINDOW SILL

SCALE : 3"=1'-0"

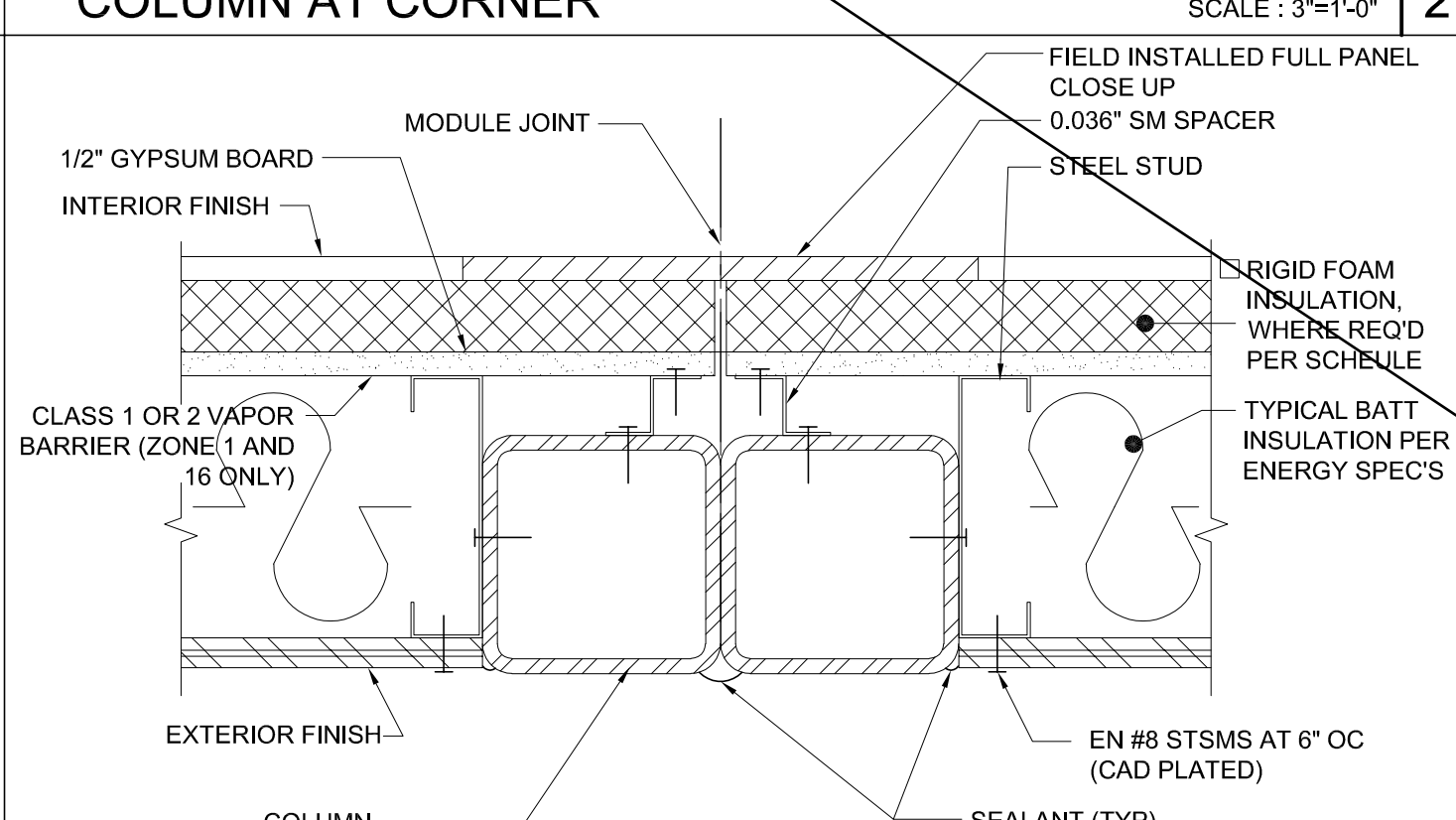
13



EXTERIOR DOOR JAMB

SCALE : 3"=1'-0"

8



COLUMN AT MODULE LINE

SCALE : 3"=1'-0"

3

NOTES

1. ATTACH 1/2" GYPSUM BOARD BACKING WITH TYPE 'S' DRYWALL SCREWS AT 12" OC MAX E.N AND T.N.

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

ARCHITECTURAL
DETAILS
STEEL STUD - SHTG

REVISIONS

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2
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5

PRE-CHECK (PC) DOCUMENT
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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:

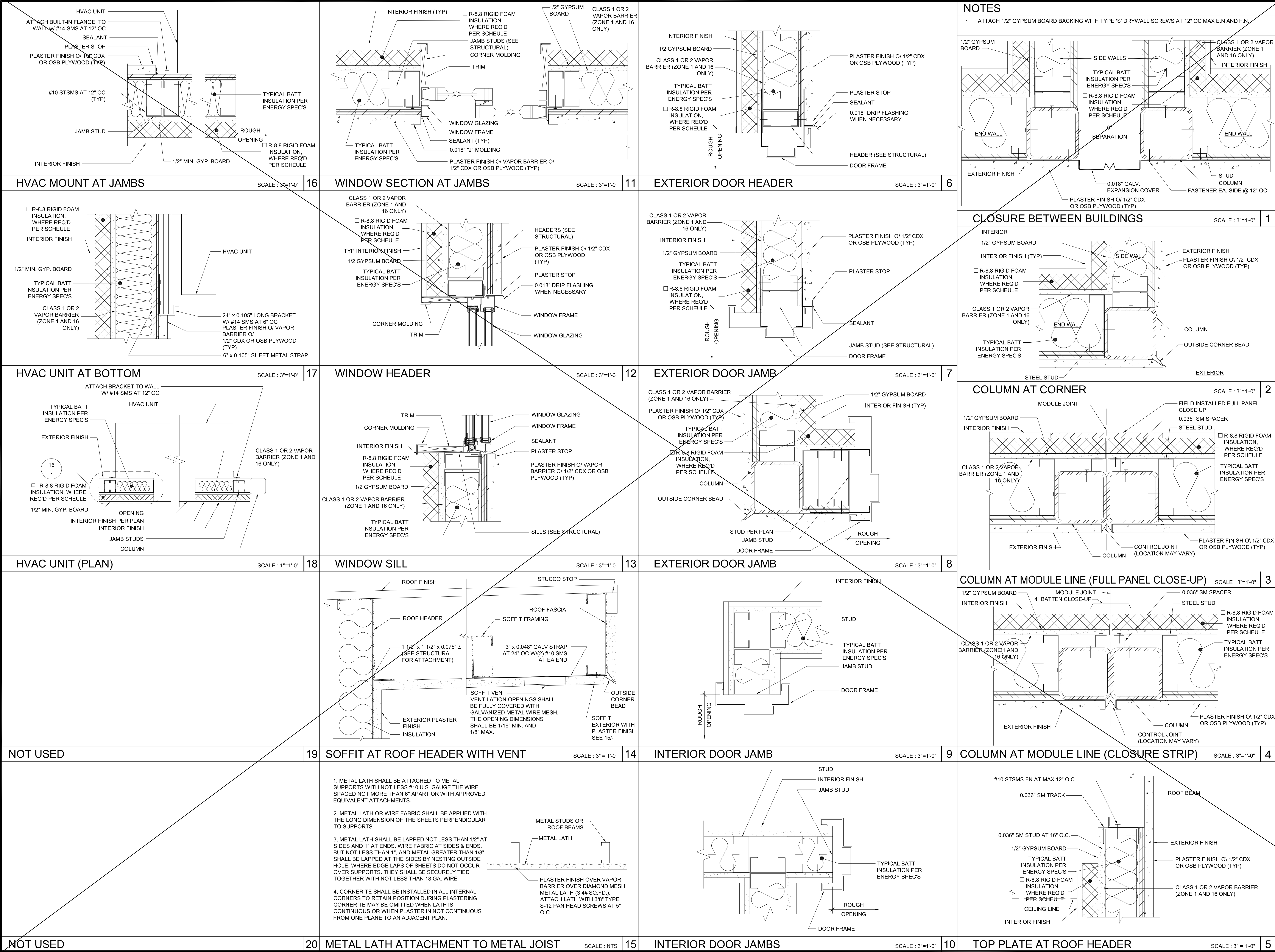
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PROJECT NAME:

SHEET TITLE:

ARCHITECTURAL DETAILS

STEEL STUD - PLASTER

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PROJECT NO:

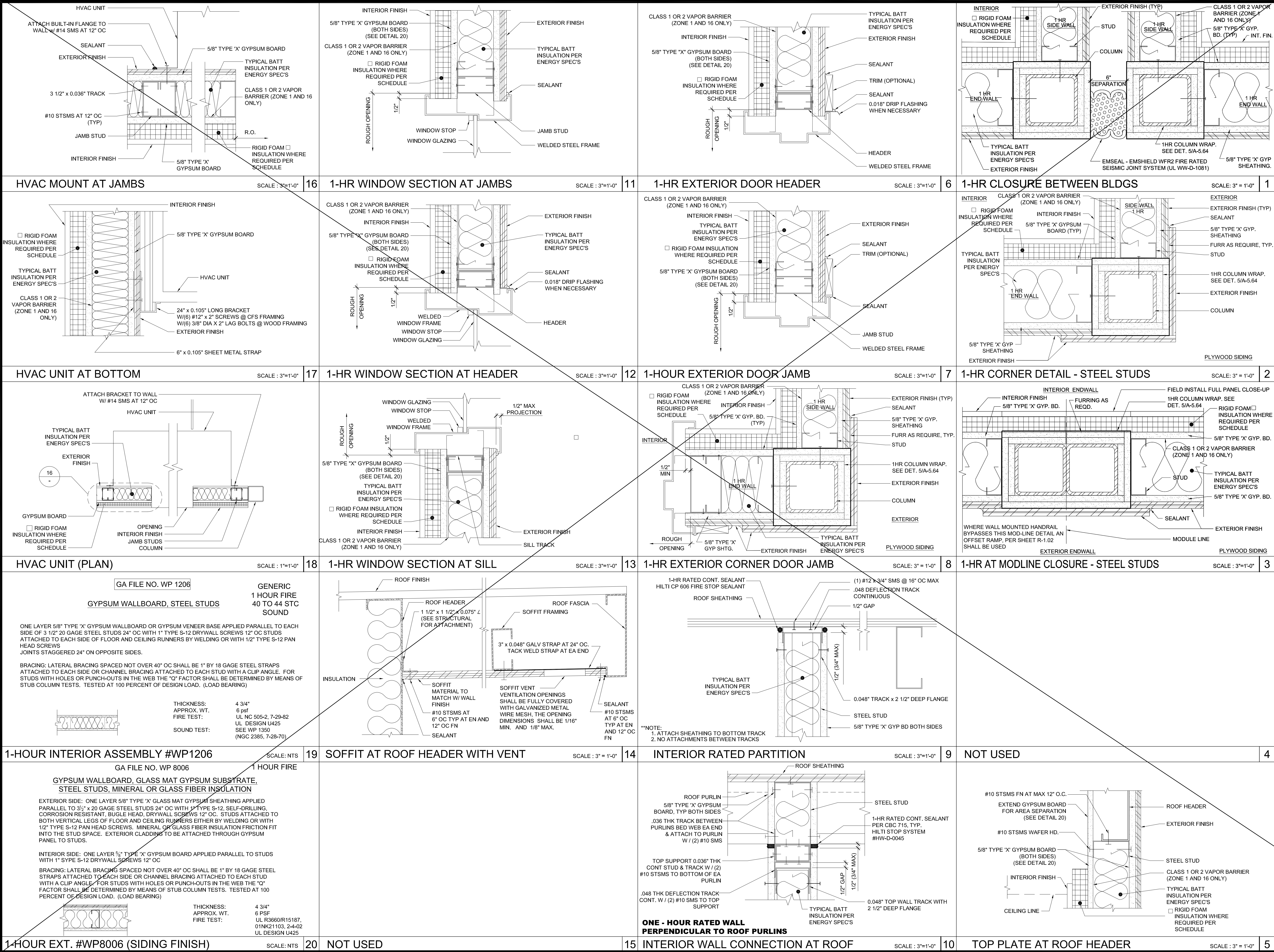
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PROJECT NAME:

SHEET TITLE:

ARCHITECTURAL DETAILS

STEEL STUD - 1 HOUR RATED

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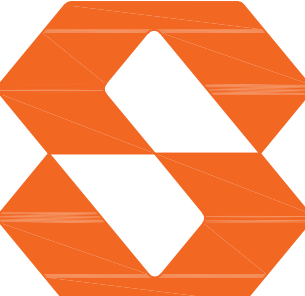
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DATE: 08/31/2023

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES

24' x 40' PC

PROJECT NO:

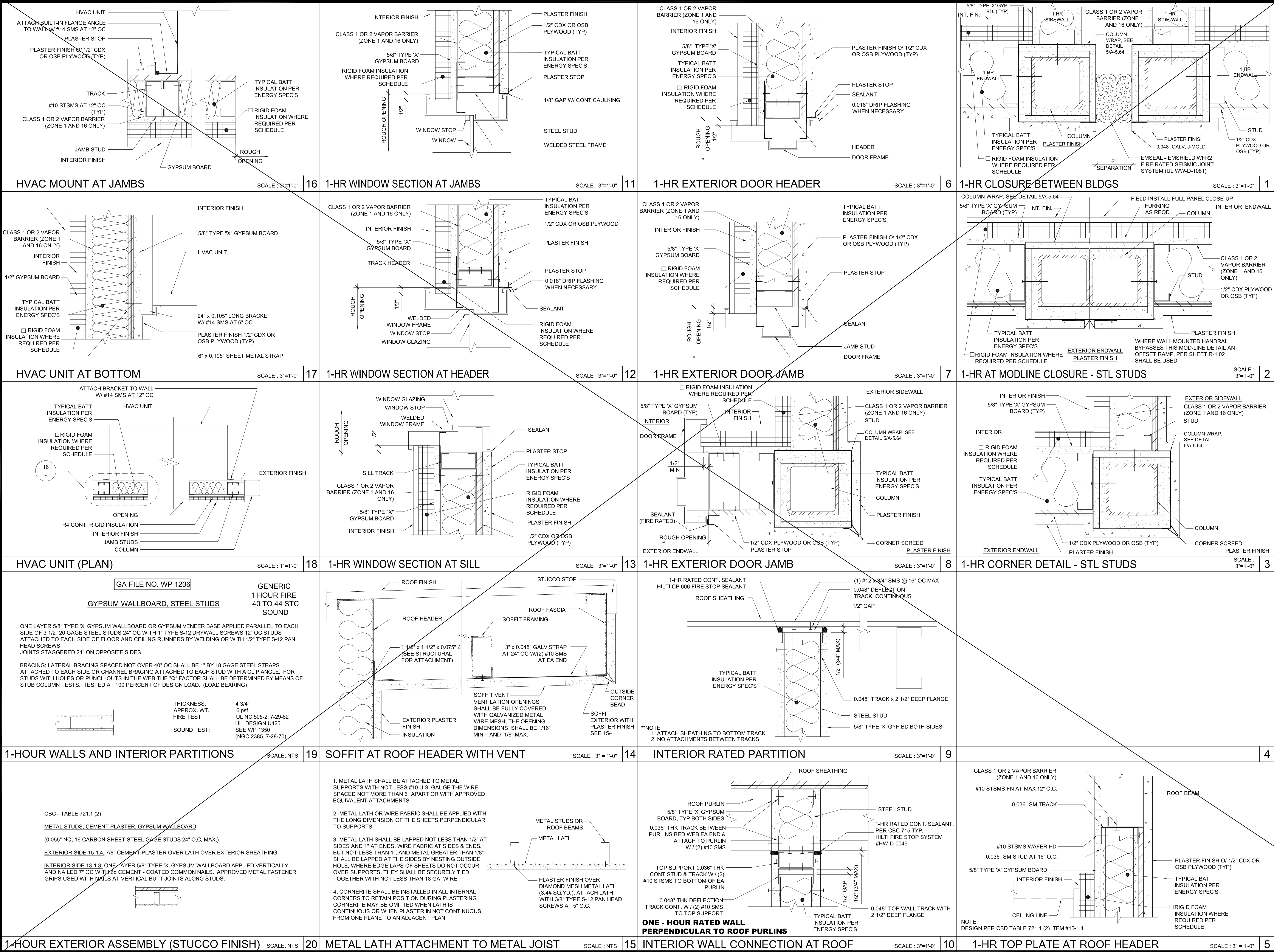
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SCALE: AS NOTED

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P.C. SHEET NUMBER

A-5.62



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PROJECT NAME:

SHEET TITLE:

ARCHITECTURAL DETAILS

STEEL STUD - PLASTER

1 HOUR RATED

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MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

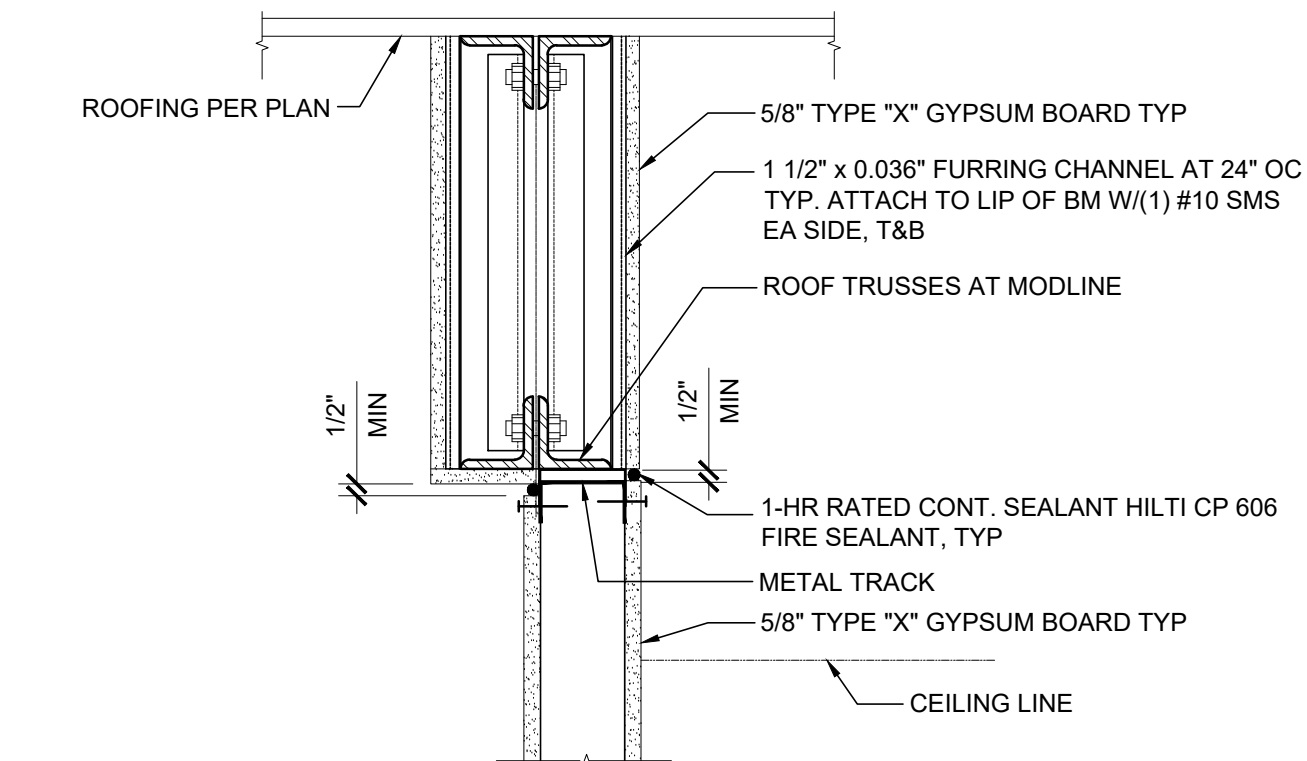
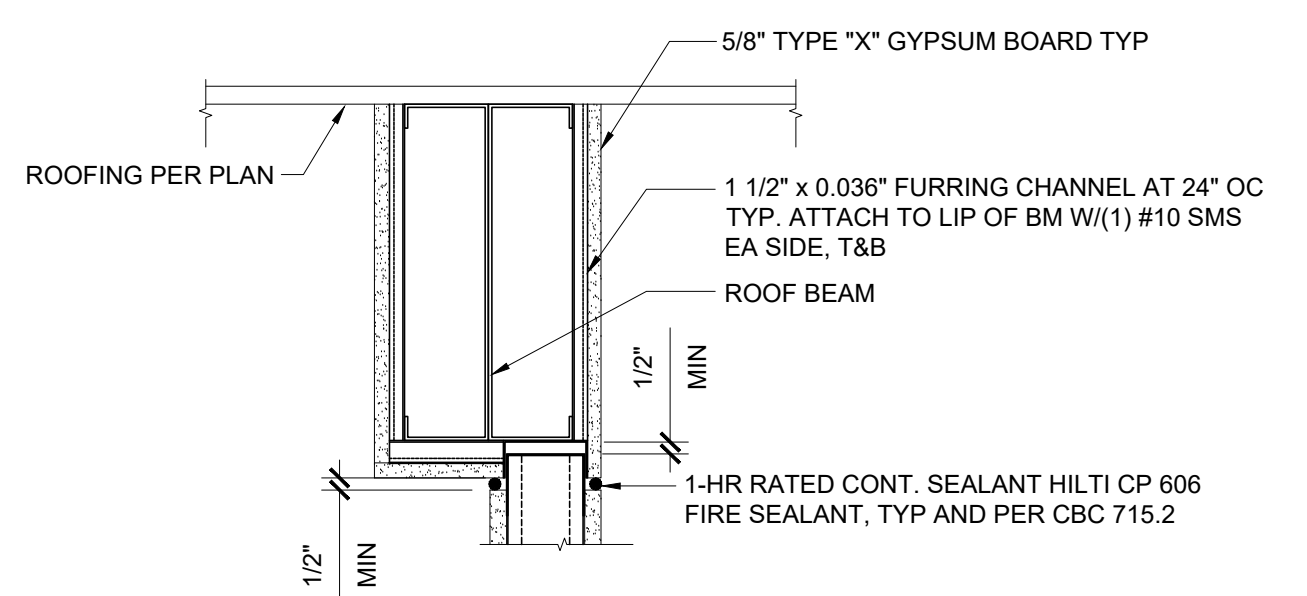


DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-5.63

							PROJECT SPECIFIC STATE AGENCY APPROVAL
NOT USED	15	1-HOUR INTERIOR WALL AT MODLINE	SCALE : 1 1/2" = 1'-0"	11			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:
							SHEET TITLE:
							ARCHITECTURAL DETAILS 1 HOUR RATED OPTIONS
							REVISIONS
							PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
							IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP. 04-121999 INC. REVIEWED FOR SS <input type="checkbox"/> FLS <input type="checkbox"/> ACS <input type="checkbox"/> 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-5.64
NOT USED	19				1-HOUR COLUMN PROTECTION -	SCALE: NTS 5	

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PROJECT NAME:

SHEET TITLE:
**ARCHITECTURAL
DETAILS**
1 HOUR RATED OPTIONS

REVISIONS

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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-5.64

REF: A1.03		REF: A5.01 - A5.05		REF: A1.03		REF: A5.01 - A5.05	
FLOOR AT SEPARATION (CONCRETE FLR)		SKIRT FLASHING (CONCRETE FLOOR)		FLOOR AT SEPARATION (WOOD FLOOR)		SKIRT FLASHING (WOOD FLOOR)	
SCALE : 1 1/2"=1'-0"		SCALE : 1 1/2"=1'-0"		SCALE : 1 1/2"=1'-0"		SCALE : 1 1/2"=1'-0"	
16		11		6		1	
				<p>NOTE:</p> <ol style="list-style-type: none">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.			
		REF: A5.01 - A5.05				REF: A5.01 - A5.05	
17		12		7		2	
		SKIRT FLASHING (CONCRETE FLOOR)				SKIRT FLASHING (WOOD FLOOR)	
		SCALE : 1 1/2"=1'-0"				SCALE : 1 1/2"=1'-0"	
		REF: A1.01 - A1.03				REF: A1.01 - A1.03	
18		13		8		3	
		FLOOR AT MODLINE (CONCRETE FLOOR)				FLOOR AT MODLINE (WOOD FLOOR)	
		SCALE : 1 1/2"=1'-0"				SCALE : 1 1/2"=1'-0"	
		REF: A5.01 - A5.04				REF: A5.01 - A5.04	
19		14		9		4	
		THRESHOLD				THRESHOLD	
		SCALE : 3"=1'-0"				SCALE : 3"=1'-0"	
		REF: A5.01 - A5.04				REF: A5.01 - A5.04	
20		15		10		5	
		TYPICAL SILL AT FLOOR (CONCRETE FLOOR)				TYPICAL SILL AT FLOOR (WOOD FLOOR)	
		SCALE : 1 1/2"=1'-0"				SCALE : 1 1/2"=1'-0"	

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PROJECT NAME:

SHEET TITLE:

ARCHITECTURAL
DETAILS
FLOOR

REVISIONS

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

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-5.70



NOTE:
WHERE THE EXTERIOR GRADE IS BELOW THE TOP OF THE FOUNDATION WALL AND
THE BOTTOM OF THE FOUNDATION ANCHOR PLATE(S) (WHERE OCCURS) THE
FLASHING AND MEMBRANE OCCURRING BELOW GRADE MAY BE OMITTED.



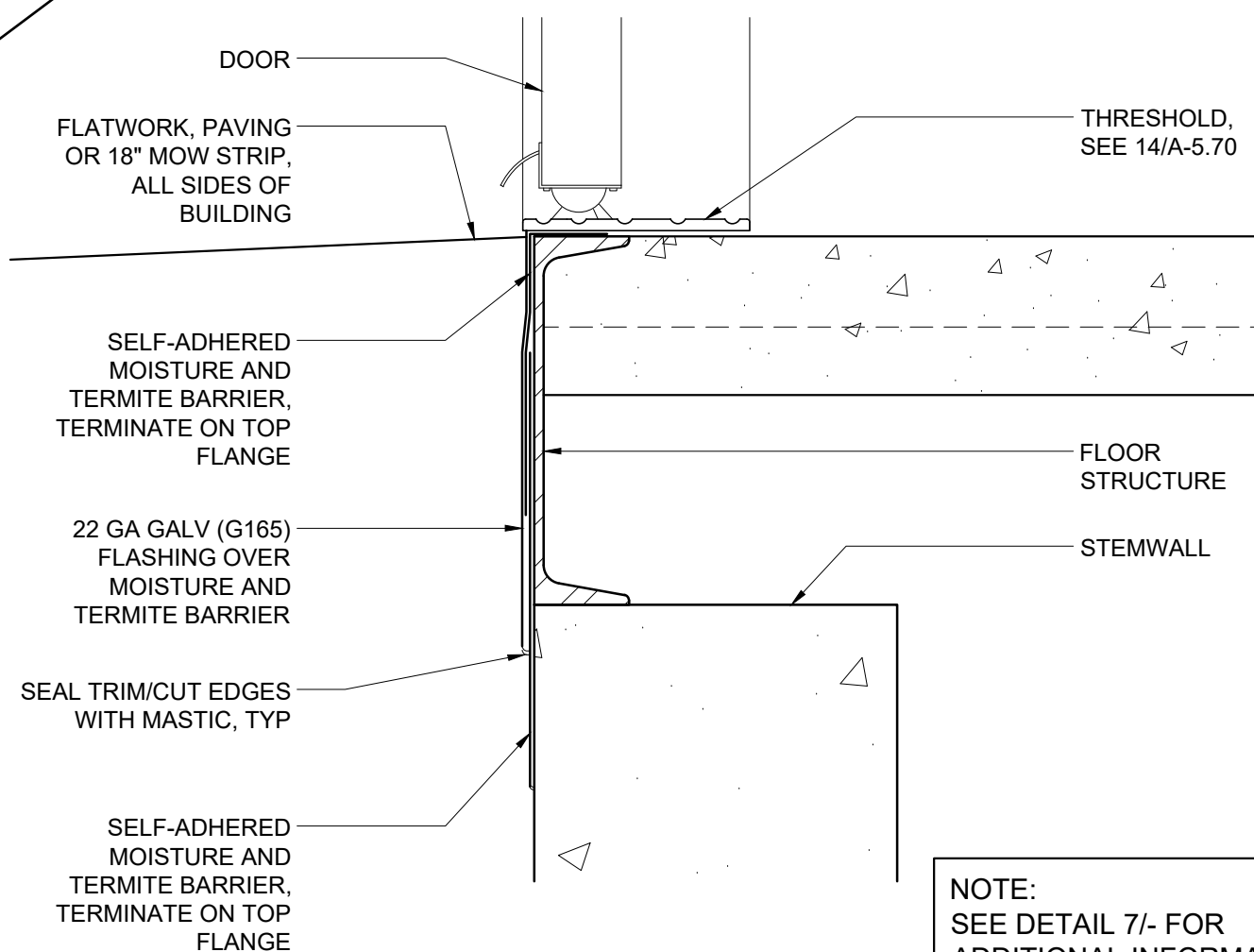
SCALE : NTS | 7

SCALE : NTS | 2



- ### **MOISURE AND TERMITE BARRIER MEMBRANE FLASHING INSTALLATION REQUIREMENTS**
- ALL SURFACES SHALL BE CLEAN (FREE OF DIRT, DUST, OIL AND OTHER DEBRIS) PRIOR TO APPLICATION OF THE ADHESIVE AND MEMBRANE.
 - ALL SURFACE VOIDS GREATER THAN 1/8" IN WIDTH SHALL BE FILLED WITH SEALANT PRIOR TO INSTALLATION.
 - APPLY LIQUID ADHESIVE TO ALL SURFACES WHICH WILL RECEIVE THE FLASHING BARRIER.
 - CUT PIECES OF MEMBRANE TO LENGTH AS NEEDED AND APPLY TO SUBSTRATE ONCE THE LIQUID ADHESIVE HAS BECOME TACKY. IMMEDIATELY FOLLOW TO MEMBRANE APPLICATION, THE INSTALLER SHALL VERIFY THAT THE ADHESIVE IS STILL TACKY TO THE TOUCH, IF NECESSARY A SECOND LAYER OF ADHESIVE SHALL BE PROVIDED.
 - INSTALL MEMBRANE IN A HORIZONTAL ORIENTATION.
 - WHERE A HORIZONTAL LAP OCCURS, THE JOINTS SHALL BE LAPPED 2 1/2 INCHES MINIMUM.
 - AT BUILDING CORNERS THE MEMBRANE SHALL BE WRAPPED AROUND THE CORNER AND SHALL EXTEND NO LESS THAN 6" BEYOND THE CORNER PRIOR TO LAPPING ANOTHER SHEET. SEE DETAIL 14i-.
 - WHERE ARE MODULE JOINT (MODLINE) OCCURS THE FACTORY INSTALLED MEMBRANE PIECE SHALL BE TERMINATED WITHIN 1" OF THE EDGE OF THE MODULE. A FIELD INSTALLED MEMBRANE PIECE SHALL BE APPLIED FOLLOWING THE INSTALLATION OF THE MODULES ON THE FOUNDATION. THE FIELD INSTALLED MEMBRANE PIECE SHALL LAP THE FACTORY INSTALLED MEMBRANE 3" MINIMUM AT EACH END.
 - WHERE A VERTICAL LAP OCCURS THE UPPER MEMBRANE LAYER SHALL BE LAPPED OVER THE LOWER MEMBRANE LAYER 6" MINIMUM.
 - THE MEMBRANE SHALL BE ROLLED FIRMLY INTO PLACE USING HAND ROLLER.
 - APPLY MASTIC OR SEALANT TO TERMINATING EDGES AND AROUND PIPES OR OTHER PENETRATIONS.
 - WHERE THE SURFACES ARE OFFSET MORE THAN 1/8" OUT-OF-PLANE PROVIDE SEALANT OR ANOTHER STABLE MATERIAL TO TRANSITION BETWEEN THE SURFACES.
 - WHERE A HORIZONTAL LAP OCCURS IN THE GALVANIZED FLASHING THE JOINTS SHALL BE LAPPED 2 1/2" MINIMUM
 - REFER TO DETAIL 20i- FOR MODLINE DETERIORATION PROTECTION

SCALE : NTS 14



NOTE:
SEE DETAIL 7/- FOR
ADDITIONAL INFORMATION

REPAIR REQUIREMENTS

WHERE DAMAGE OCCURS, THE REPAIRS SHALL BE AS FOLLOWS:

1. WHERE THE DAMAGE MEASURES LESS THAN 1/2" IN ANY DIRECTION THE PUNCTURE SHALL BE SEALED WITH MASTIC.
2. WHERE THE DAMAGE MEASURES MORE THAN 1/2", BUT LESS THAN 2", IN ANY DIRECTION A PATCH SHALL BE INSTALLED OVER THE DAMAGE USING THE SAME MEMBRANE MATERIAL. THE PATCH SHALL OVERLAP 4" MINIMUM IN ALL DIRECTIONS.
3. WHERE THE DAMAGE MEASURES MORE THAN 2" IN ANY DIRECTION THE DAMAGED PORTION SHALL BE REMOVED AND A PIECE OF MEMBRANE SHALL BE INSTALLED. THE PATCH SHALL OVERLAP 4" MINIMUM IN ALL DIRECTIONS.

INSPECTION REQUIREMENTS

THE IN-PLANT INSPECTOR SHALL OBSERVE THE INSTALLATION OF FACTORY INSTALLED PORTION OF THE MEMBRANE FLASHING. THE ADHESIVE AND MEMBRANE SHALL BE INSTALLED IN ACCORDANCE WITH THESE INSTALLATION INSTRUCTIONS. ALL OVERLAPS SHALL BE AS INDICATED WITHIN THIS DRAWING PACKAGE. THE MEMBRANE SHALL BE CONTINUOUS UP THE WALL TO A MINIMUM HEIGHT ABOVE FINISH FLOOR AS INDICATED WITHIN THIS DRAWING PACKAGE.

THE ON-SITE INSPECTOR SHALL OBSERVE THE INSTALLATION OF THE SITE INSTALLED PORTION OF THE MEMBRANE FLASHING. THE FACTORY INSTALLED MEMBRANE SHOULD BE INVESTIGATED TO DETERMINE IF ANY DAMAGE OCCURRED DURING MODULE SHIPMENT/INSTALLATION PRIOR TO PROCEEDING WITH THE SITE INSTALLED MEMBRANE PLACEMENT. THE ADHESIVE AND MEMBRANE SHALL BE INSTALLED IN ACCORDANCE WITH THESE INSTALLATION INSTRUCTIONS. ALL OVERLAPS SHALL BE AS INDICATED WITHIN THIS DRAWING PACKAGE. THE MEMBRANE SHALL BE LAPPED OVER THE FACTORY INSTALLED MEMBRANE AS INDICATED WITHIN THIS DRAWING PACKAGE. THE GALVANIZED FLASHING SHALL BE INSTALLED OVER THE MEMBRANE. THE GALVANIZED FLASHING SHALL BE CONTINUOUS UP THE WALL TO A MINIMUM HEIGHT ABOVE FINISH FLOOR AS INDICATED WITHIN THIS DRAWING PACKAGE AND SHALL CONTINUE BELOW THE BOTTOM OF THE PLATWORK OR MOW STRIP AS INDICATED WITHIN THIS DRAWING PACKAGE.



SCALE : NTS 4

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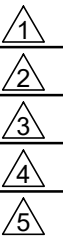
ALL PATENTABLE MATERIAL CONTAINED HEREIN AND
ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc

PROJECT NAME:

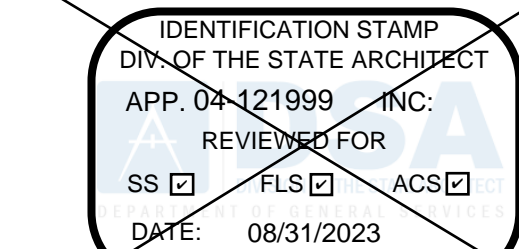
SHEET TITLE

DETERIORATION
PROTECTION
NON-WOOD FINISH SIDING
CONC FLOOR - WD STUDS

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

SCALE: ~~AS NOTED~~

P.C. SHEET NUMBER

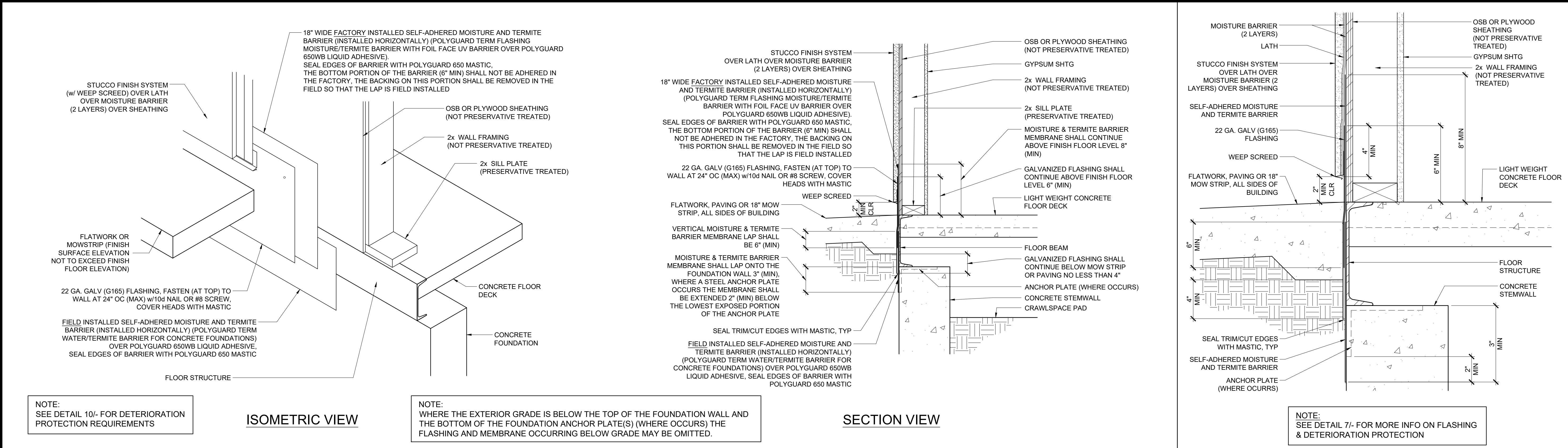
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SCALE : NTS 20

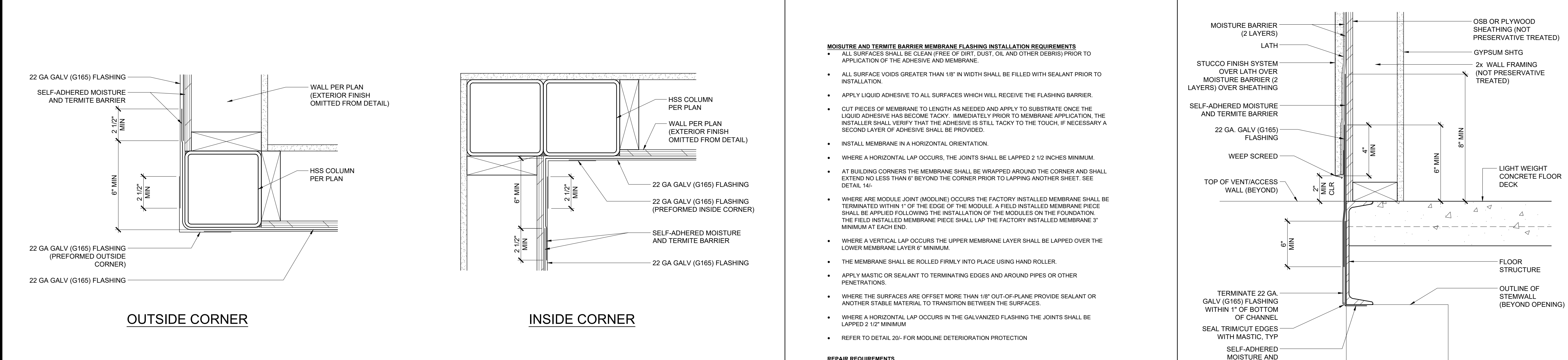
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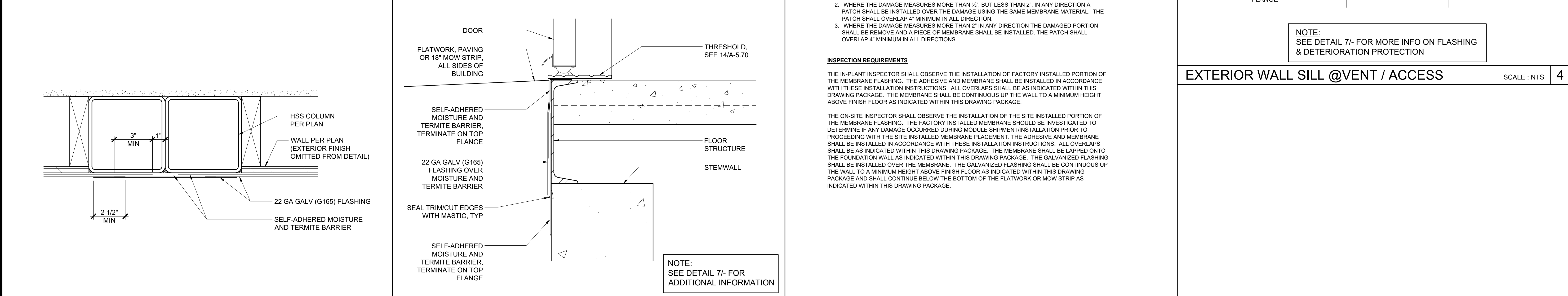
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DETERIORATION PROTECTION 7 TYPICAL EXTERIOR WALL SILL 2



DETERIORATION PROTECTION - CORNER CONDITIONS 14



DETERIORATION PROTECTION - MODLINE 20 DETERIORATION PROTECTION @ THRESHOLD 15 DETERIORATION PROTECTION REQUIREMENTS 10

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

DETERIORATION PROTECTION

STUCCO EXTERIOR FINISH

CONC FLOOR - WD STUDS

REVISIONS

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

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

PC STATE AGENCY APPROVAL

Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JAMES W. STARNUM
STATE OF CALIFORNIA
E-12345

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

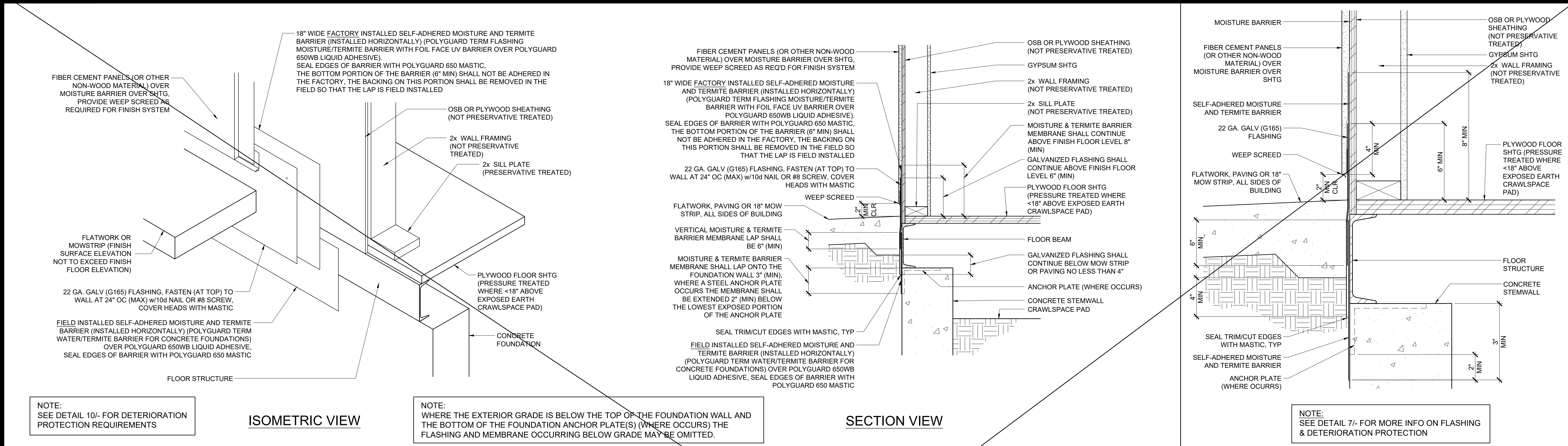
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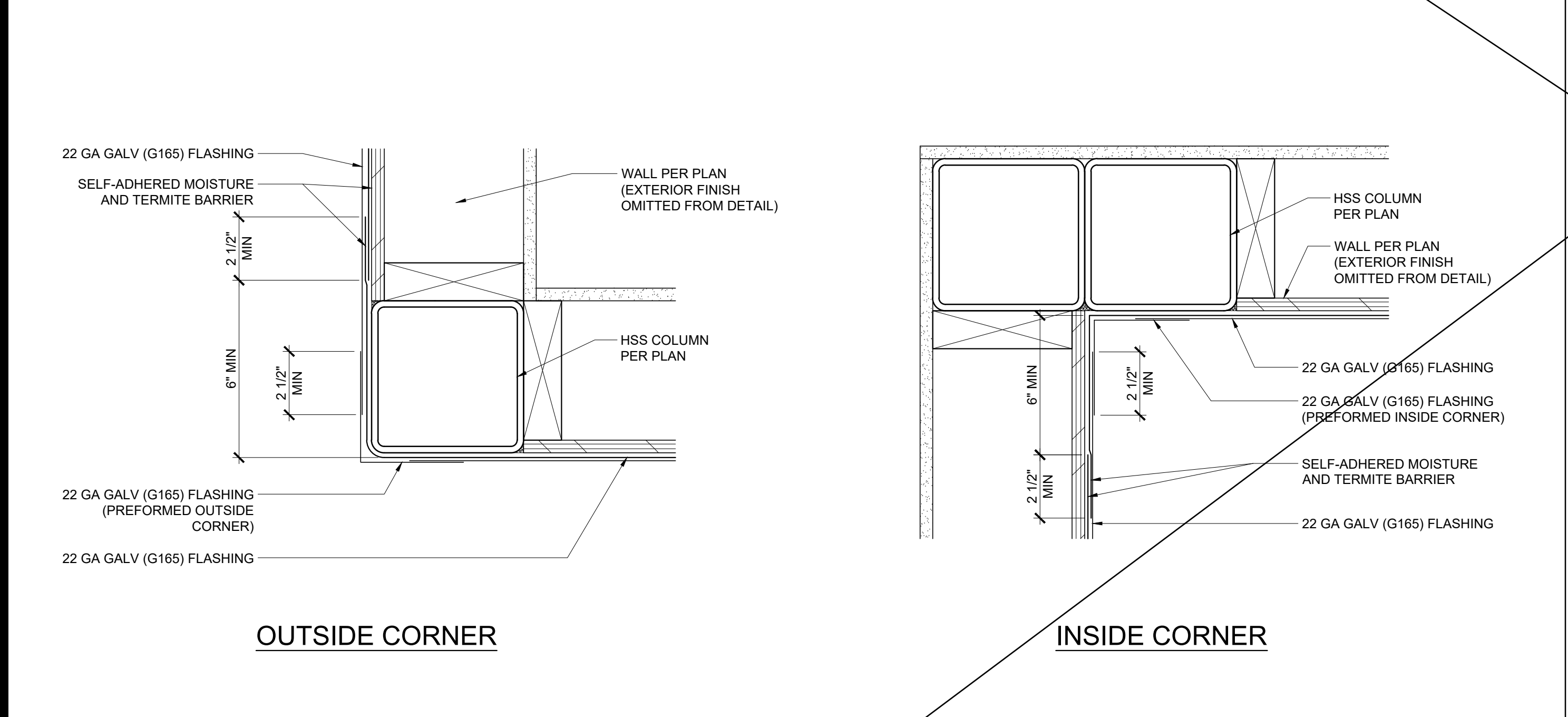
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P.C. SHEET NUMBER

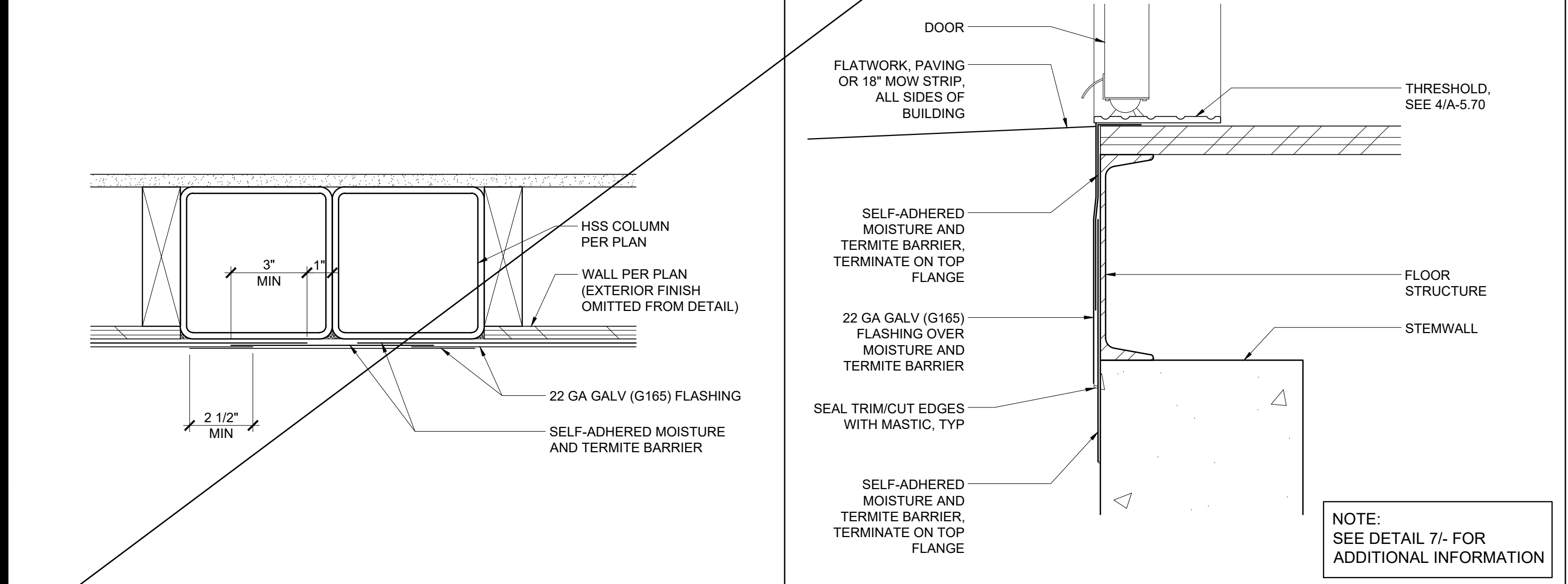
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DETERIORATION PROTECTION 7 TYPICAL EXTERIOR WALL SILL 2



DETERIORATION PROTECTION - CORNER CONDITIONS 14



DETERIORATION PROTECTION - MODLINE 20

MOISTURE AND TERMITE BARRIER MEMBRANE FLASHING INSTALLATION REQUIREMENTS

- ALL SURFACES SHALL BE CLEAN (FREE OF DIRT, DUST, OIL AND OTHER DEBRIS) PRIOR TO APPLICATION OF THE ADHESIVE AND MEMBRANE.
- ALL SURFACE Voids GREATER THAN 1/8" IN WIDTH SHALL BE FILLED WITH SEALANT PRIOR TO INSTALLATION.
- APPLY LIQUID ADHESIVE TO ALL SURFACES WHICH WILL RECEIVE THE FLASHING BARRIER.
- CUT PIECES OF MEMBRANE TO LENGTH AS NEEDED AND APPLY TO SUBSTRATE ONCE THE LIQUID ADHESIVE HAS BECOME TACKY. IMMEDIATELY PRIOR TO MEMBRANE APPLICATION, THE INSTALLER SHALL VERIFY THAT THE ADHESIVE IS STILL TACKY TO THE TOUCH. IF NECESSARY A SECOND LAYER OF ADHESIVE SHALL BE PROVIDED.
- INSTALL MEMBRANE IN A HORIZONTAL ORIENTATION.
- WHERE A HORIZONTAL LAP OCCURS, THE JOINTS SHALL BE LAPPED 2 1/2 INCHES MINIMUM.
- AT BUILDING CORNERS THE MEMBRANE SHALL BE WRAPPED AROUND THE CORNER AND SHALL EXTEND NO LESS THAN 6" BEYOND THE CORNER PRIOR TO LAPPING ANOTHER SHEET. SEE DETAIL 14/-.
- WHERE ARE MODULE JOINT (MODLINE) OCCURS THE FACTORY INSTALLED MEMBRANE SHALL BE TERMINATED WITHIN 1" OF THE EDGE OF THE MODULE. A FIELD INSTALLED MEMBRANE PIECE SHALL BE APPLIED FOLLOWING THE INSTALLATION OF THE MODULES ON THE FOUNDATION. THE FIELD INSTALLED MEMBRANE PIECE SHALL LAP THE FACTORY INSTALLED MEMBRANE 3" MINIMUM AT EACH END.
- WHERE A VERTICAL LAP OCCURS THE UPPER MEMBRANE LAYER SHALL BE LAPPED OVER THE LOWER MEMBRANE LAYER 6" MINIMUM.
- THE MEMBRANE SHALL BE ROLLED FIRMLY INTO PLACE USING HAND ROLLER.
- APPLY MASTIC OR SEALANT TO TERMINATING EDGES AND AROUND PIPES OR OTHER PENETRATIONS.
- WHERE THE SURFACES ARE OFFSET MORE THAN 1/8" OUT-OF-PLANE PROVIDE SEALANT OR ANOTHER STABLE MATERIAL TO TRANSITION BETWEEN THE SURFACES.
- WHERE A HORIZONTAL LAP OCCURS IN THE GALVANIZED FLASHING THE JOINTS SHALL BE LAPPED 2 1/2" MINIMUM
- REFER TO DETAIL 20/- FOR MODLINE DETERIORATION PROTECTION

REPAIR REQUIREMENTS

WHERE DAMAGE OCCURS, THE REPAIRS SHALL BE AS FOLLOWS:

- WHERE THE DAMAGE MEASURES LESS THAN 1/2" IN ANY DIRECTION THE PUNCTURE SHALL BE SEALED WITH MASTIC.
- WHERE THE DAMAGE MEASURES MORE THAN 1/2", BUT LESS THAN 2", IN ANY DIRECTION A PATCH SHALL BE INSTALLED OVER THE DAMAGE USING THE SAME MEMBRANE MATERIAL. THE PATCH SHALL OVERLAP 4" MINIMUM IN ALL DIRECTIONS.
- WHERE THE DAMAGE MEASURES MORE THAN 2" IN ANY DIRECTION THE DAMAGED PORTION SHALL BE REMOVE AND A PIECE OF MEMBRANE SHALL BE INSTALLED. THE PATCH SHALL OVERLAP 4" MINIMUM IN ALL DIRECTIONS.

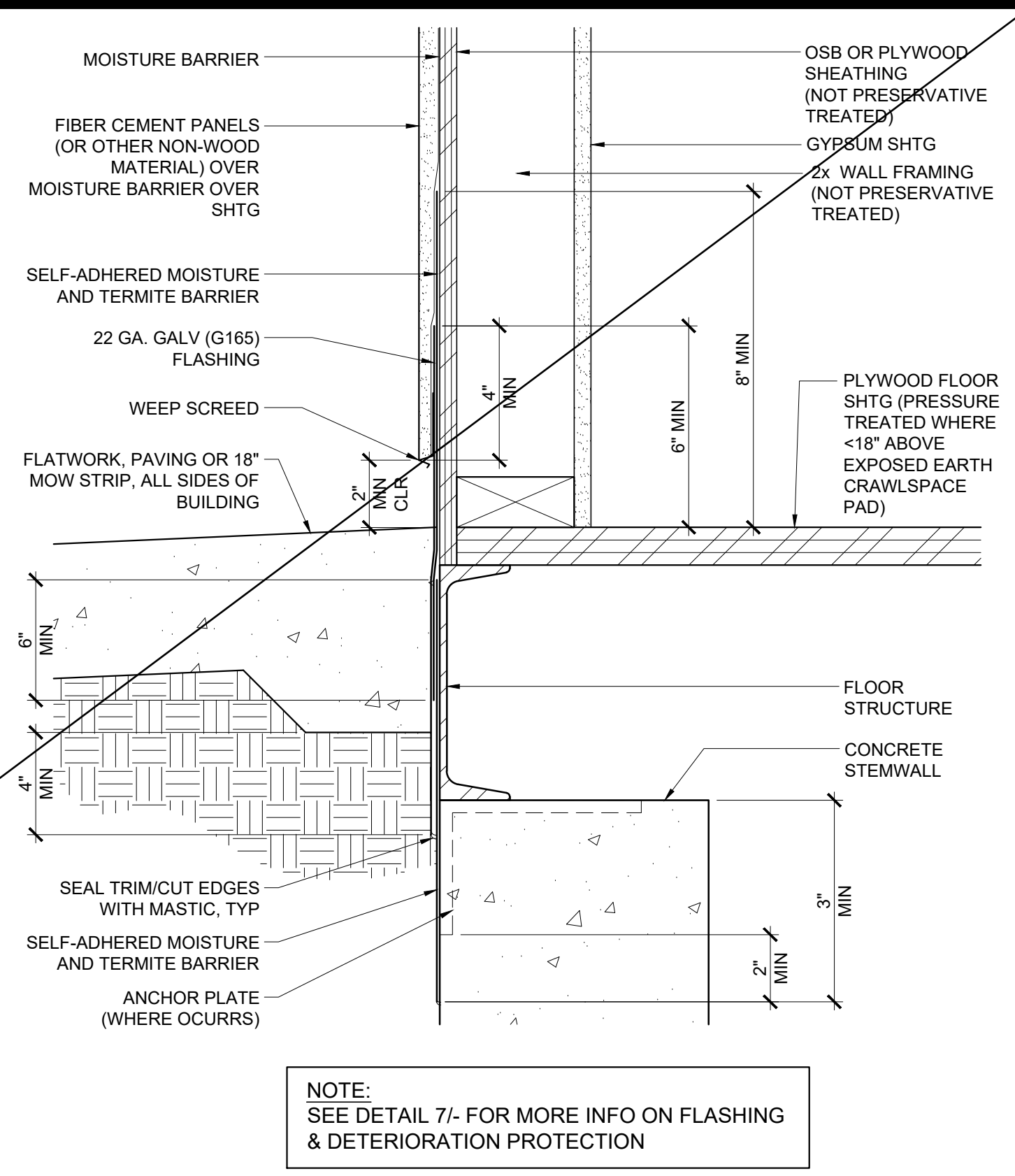
INSPECTION REQUIREMENTS

THE IN-PLANT INSPECTOR SHALL OBSERVE THE INSTALLATION OF FACTORY INSTALLED PORTION OF THE MEMBRANE FLASHING. THE ADHESIVE AND MEMBRANE SHALL BE INSTALLED IN ACCORDANCE WITH THESE INSTALLATION INSTRUCTIONS. ALL OVERLAPS SHALL BE AS INDICATED WITHIN THIS DRAWING PACKAGE. THE MEMBRANE SHALL BE CONTINUOUS UP THE WALL TO A MINIMUM HEIGHT ABOVE FINISH FLOOR AS INDICATED WITHIN THIS DRAWING PACKAGE.

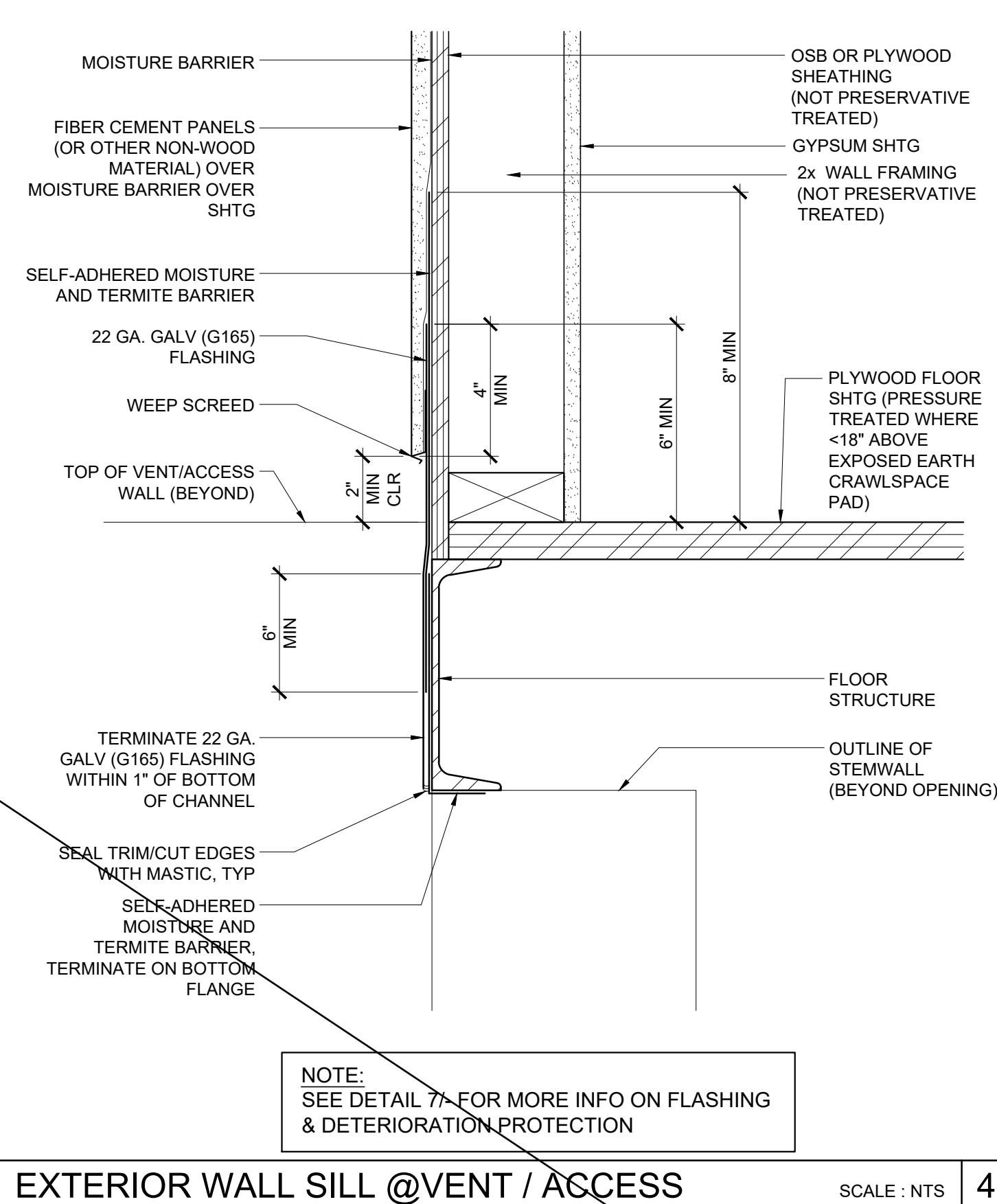
THE ON-SITE INSPECTOR SHALL OBSERVE THE INSTALLATION OF THE SITE INSTALLED PORTION OF THE MEMBRANE FLASHING. THE FACTORY INSTALLED MEMBRANE SHOULD BE INVESTIGATED TO DETERMINE IF ANY DAMAGE OCCURRED DURING MODULE SHIPMENT/INSTALLATION PRIOR TO PROCEEDING WITH THE SITE INSTALLED MEMBRANE PLACEMENT. THE ADHESIVE AND MEMBRANE SHALL BE INSTALLED IN ACCORDANCE WITH THESE INSTALLATION INSTRUCTIONS. ALL OVERLAPS SHALL BE AS INDICATED WITHIN THIS DRAWING PACKAGE. THE MEMBRANE SHALL BE LAPPED ONTO THE FOUNDATION WALL AS INDICATED WITHIN THIS DRAWING PACKAGE. THE GALVANIZED FLASHING SHALL BE INSTALLED OVER THE MEMBRANE. THE GALVANIZED FLASHING SHALL BE CONTINUOUS UP THE WALL TO A MINIMUM HEIGHT ABOVE FINISH FLOOR AS INDICATED WITHIN THIS DRAWING PACKAGE AND SHALL CONTINUE BELOW THE BOTTOM OF THE FLATWORK OR MOW STRIP AS INDICATED WITHIN THIS DRAWING PACKAGE.

SCALE: NTS 15

DETERIORATION PROTECTION REQUIREMENTS 15



7 TYPICAL EXTERIOR WALL SILL 2



EXTERIOR WALL SILL @VENT / ACCESS 4

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

DETERIORATION PROTECTION

NON-WOOD FINISH SIDING

WOOD FLOOR - WD 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. 04-12-1999 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:

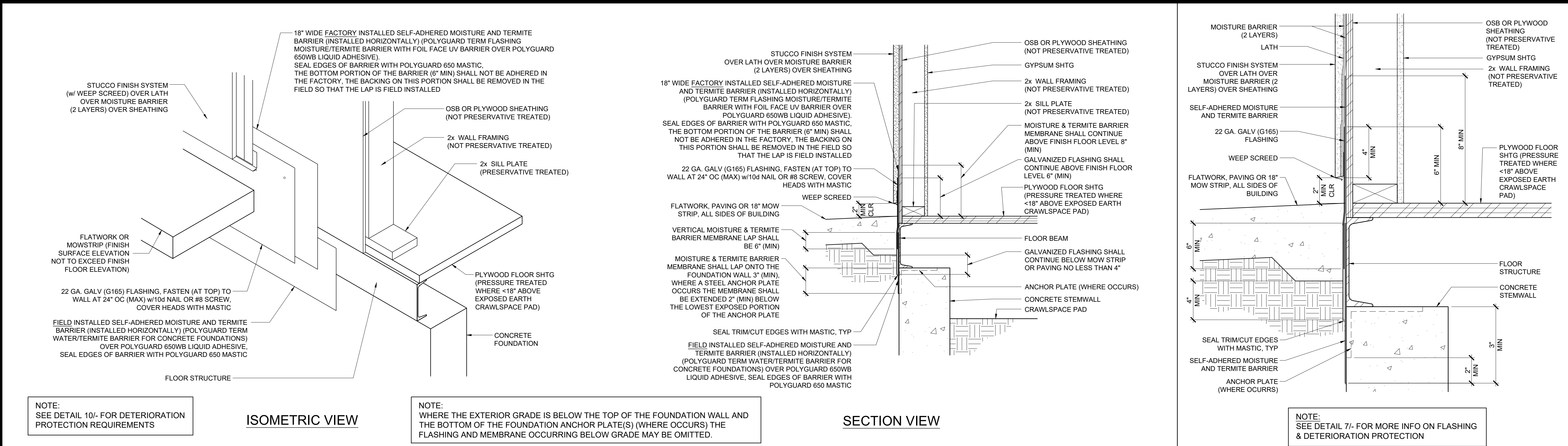
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SCALE: AS NOTED

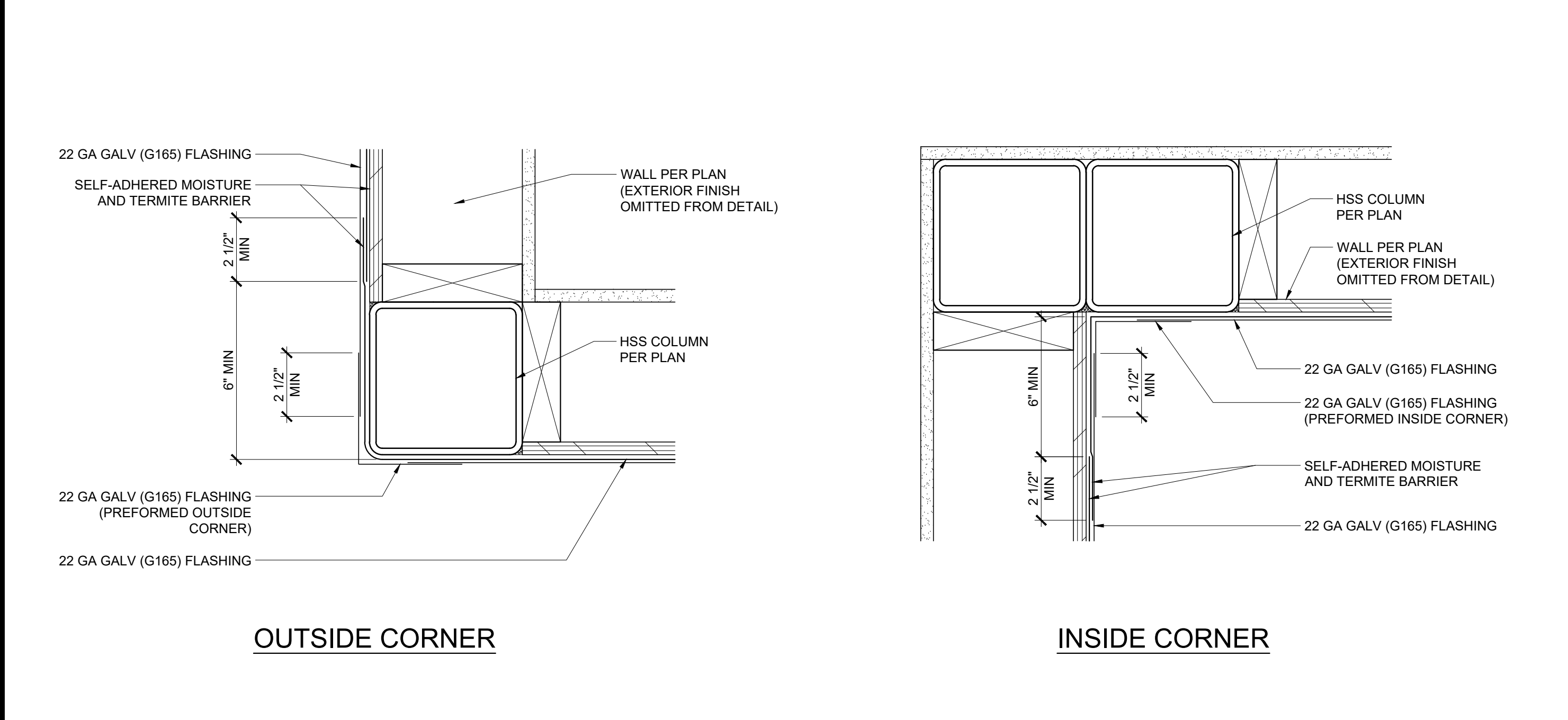
DATE: 02-27-2023

P.C. SHEET NUMBER

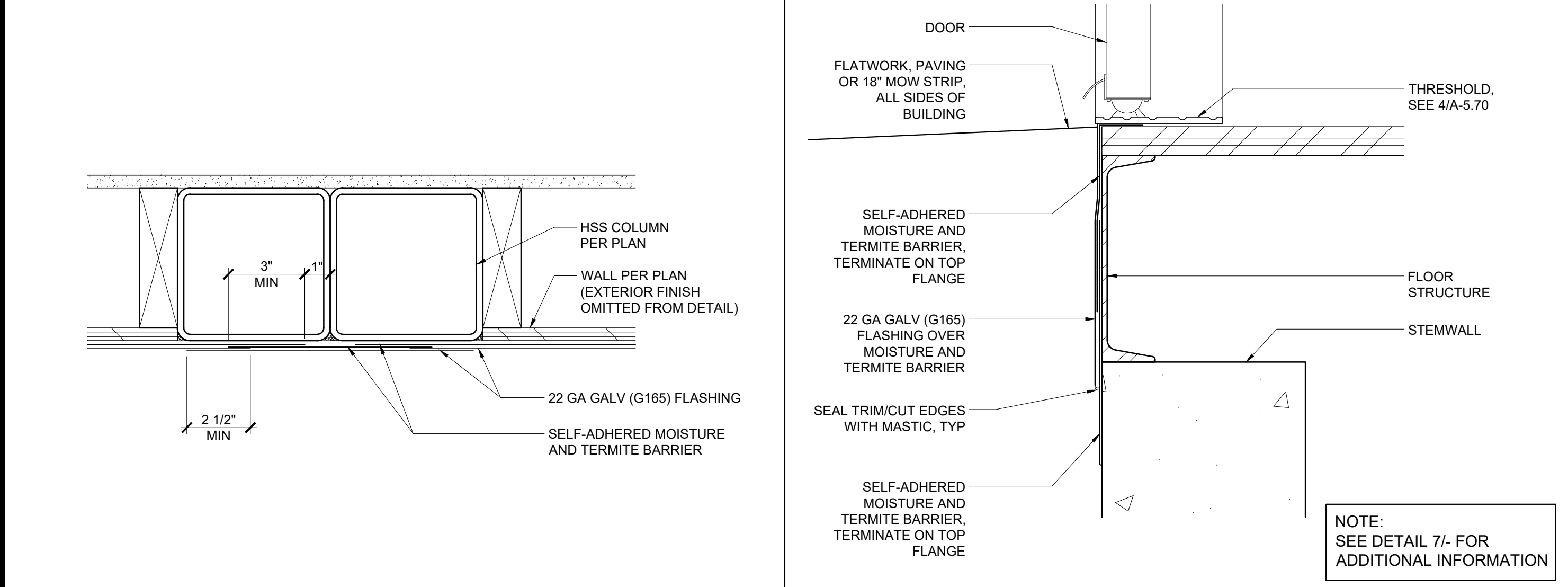
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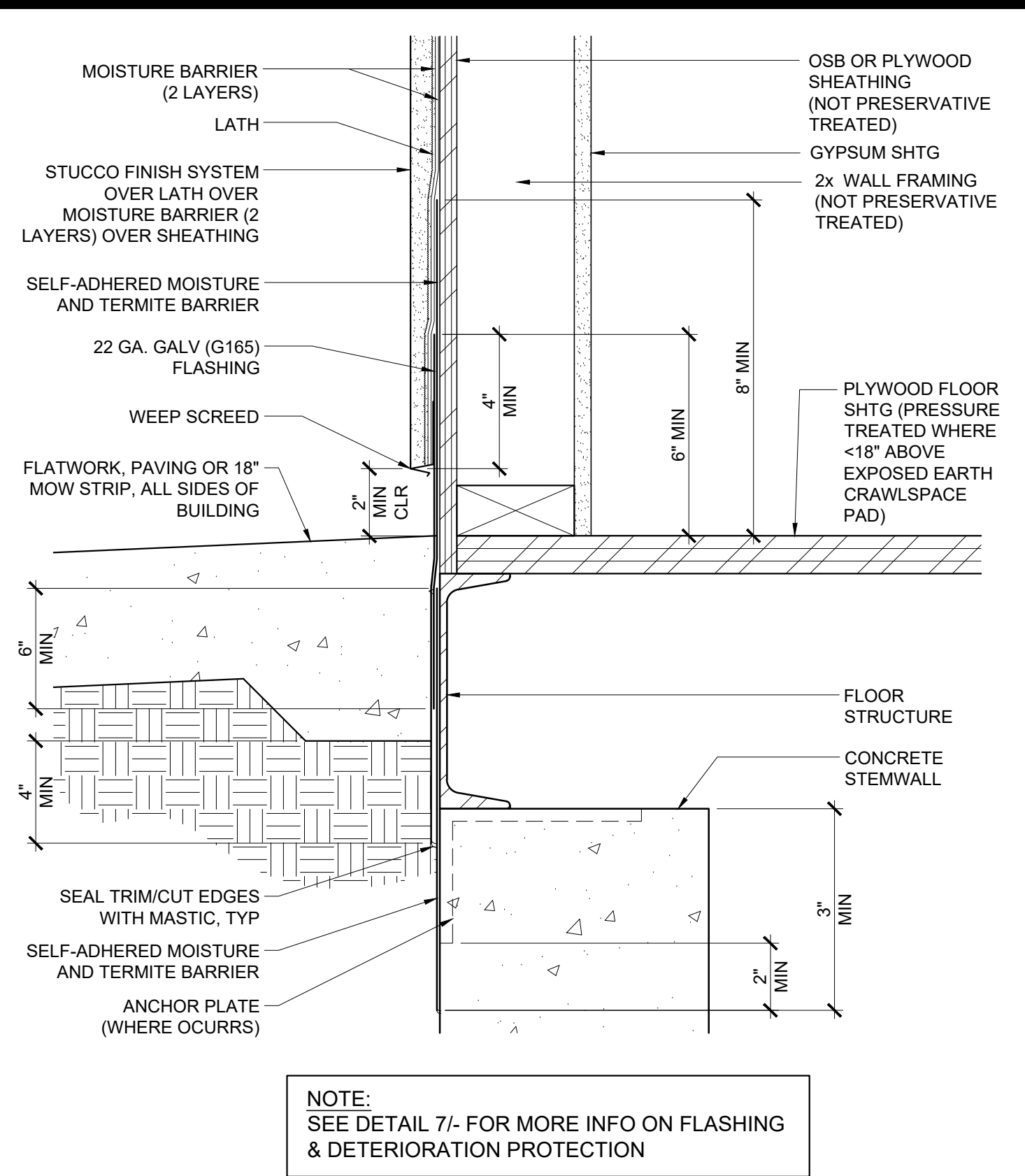
DETERIORATION PROTECTION 7 TYPICAL EXTERIOR WALL SILL 2



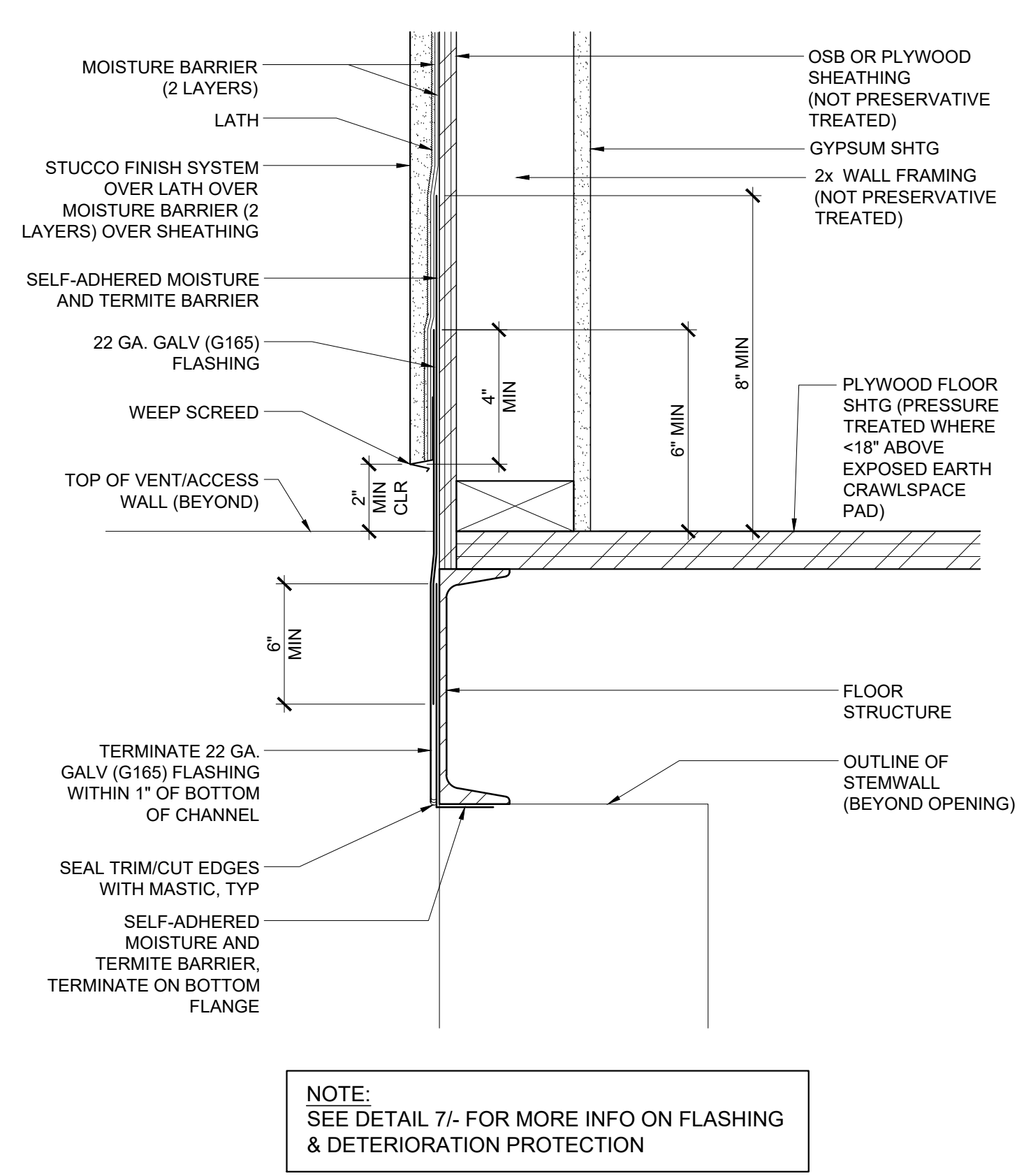
DETERIORATION PROTECTION - CORNER CONDITIONS 14



DETERIORATION PROTECTION - MODLINE 20 DETERIORATION PROTECTION @ THRESHOLD 15 DETERIORATION PROTECTION REQUIREMENTS 10



7 TYPICAL EXTERIOR WALL SILL 2



EXTERIOR WALL SILL @VENT / ACCESS 4

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

DETERIORATION PROTECTION

STUCCO EXTERIOR FINISH

WOOD FLOOR - WD STUDS

REVISIONS

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

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

PC STATE AGENCY APPROVAL

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

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
No. 10110
J. J. J. J.

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-5.74

ISOMETRIC VIEW

SECTION VIEW

NOTE:
SEE DETAIL 7/- FOR MORE INFO ON FLASHING
& DETERIORATION PROTECTION

DETERIORATION PROTECTION

SCALE : NTS | 7

TYPICAL EXTERIOR WALL SILL

SCALE : NTS 2

OUTSIDE CORNER

INSIDE CORNER

- **MOISTURE AND TERMITES BARRIER MEMBRANE FLASHING INSTALLATION REQUIREMENTS**
- ALL SURFACES SHALL BE CLEAN (FREE OF DIRT, DUST, OIL AND OTHER DEBRIS) PRIOR TO APPLICATION OF THE ADHESIVE AND MEMBRANE.
- ALL SURFACE VOIDS GREATER THAN 1/8" IN WIDTH SHALL BE FILLED WITH SEALANT PRIOR TO INSTALLATION.
- APPLY LIQUID ADHESIVE TO ALL SURFACES WHICH WILL RECEIVE THE FLASHING BARRIER.
- CUT PIECES OF MEMBRANE TO LENGTH AS NEEDED AND APPLY TO SUBSTRATE ONCE THE LIQUID ADHESIVE HAS BECOME TACKY. IMMEDIATELY PRIOR TO MEMBRANE APPLICATION, THE INSTALLER SHALL VERIFY THAT THE ADHESIVE IS STILL TACKY TO THE TOUCH; IF NECESSARY A SECOND LAYER OF ADHESIVE SHALL BE PROVIDED.
- INSTALL MEMBRANE IN A HORIZONTAL ORIENTATION.
- WHERE A HORIZONTAL LAP OCCURS, THE JOINTS SHALL BE LAPPED 2 1/2 INCHES MINIMUM.
- AT BUILDING CORNERS THE MEMBRANE SHALL BE WRAPPED AROUND THE CORNER AND SHALL EXTEND NO LESS THAN 6" BEYOND THE CORNER PRIOR TO LAPPING ANOTHER SHEET. SEE DETAIL 14i-.
- WHERE ARE MODULE JOINT (MODLINE) OCCURS THE FACTORY INSTALLED MEMBRANE SHALL BE TERMINATED WITHIN 1" OF THE EDGE OF THE MODULE. A FIELD INSTALLED MEMBRANE PIECE SHALL BE APPLIED FOLLOWING THE INSTALLATION OF THE MODULES ON THE FOUNDATION. THE FIELD INSTALLED MEMBRANE PIECE SHALL LAP THE FACTORY INSTALLED MEMBRANE 3" MINIMUM AT EACH END.
- WHERE A VERTICAL LAP OCCURS THE UPPER MEMBRANE LAYER SHALL BE LAPPED OVER THE LOWER MEMBRANE LAYER 6" MINIMUM.
- THE MEMBRANE SHALL BE ROLLED FIRMLY INTO PLACE USING HAND ROLLER.
- APPLY MASTIC OR SEALANT TO TERMINATING EDGES AND AROUND PIPES OR OTHER PENETRATIONS.
- WHERE THE SURFACES ARE OFFSET MORE THAN 1/8" OUT-OF-PLANE PROVIDE SEALANT OR ANOTHER STABLE MATERIAL TO TRANSITION BETWEEN THE SURFACES.
- WHERE A HORIZONTAL LAP OCCURS IN THE GALVANIZED FLASHING THE JOINTS SHALL BE LAPPED 2 1/2" MINIMUM
- REFER TO DETAIL 20i- FOR MODLINE DEGRADATION PROTECTION

REPAIR REQUIREMENTS

WHERE DAMAGE OCCURS, THE REPAIRS SHALL BE AS FOLLOWS:

1. WHERE THE DAMAGE MEASURES LESS THAN 1/2" IN ANY DIRECTION THE PUNCTURE SHALL BE SEALED WITH MASTIC.
2. WHERE THE DAMAGE MEASURES MORE THAN 1/2", BUT LESS THAN 2", IN ANY DIRECTION A PATCH SHALL BE INSTALLED OVER THE DAMAGE USING THE SAME MEMBRANE MATERIAL. THE PATCH SHALL OVERLAP 4" MINIMUM IN ALL DIRECTIONS.
3. WHERE THE DAMAGE MEASURES MORE THAN 2" IN ANY DIRECTION THE DAMAGED PORTION SHALL BE REMOVED AND A PIECE OF MEMBRANE SHALL BE INSTALLED. THE PATCH SHALL OVERLAP 4" MINIMUM IN ALL DIRECTIONS.

INSPECTION REQUIREMENTS

THE IN-PLANT INSPECTOR SHALL OBSERVE THE INSTALLATION OF FACTORY INSTALLED PORTION OF THE MEMBRANE FLASHING. THE ADHESIVE AND MEMBRANE SHALL BE INSTALLED IN ACCORDANCE WITH THESE INSTALLATION INSTRUCTIONS. ALL OVERLAPS SHALL BE AS INDICATED WITHIN THIS DRAWING PACKAGE. THE MEMBRANE SHALL BE CONTINUOUS UP THE WALL TO A MINIMUM HEIGHT ABOVE FINISH FLOOR AS INDICATED WITHIN THIS DRAWING PACKAGE.

THE ON-SITE INSPECTOR SHALL OBSERVE THE INSTALLATION OF THE SITE INSTALLED PORTION OF THE MEMBRANE FLASHING. THE FACTORY INSTALLED MEMBRANE SHOULD BE INVESTIGATED TO DETERMINE IF ANY DAMAGE OCCURRED DURING MODULE SHIPMENT/INSTALLATION PRIOR TO PROCEEDING WITH THE SITE INSTALLED MEMBRANE PLACEMENT. THE ADHESIVE AND MEMBRANE SHALL BE INSTALLED IN ACCORDANCE WITH THESE INSTALLATION INSTRUCTIONS. ALL OVERLAPS SHALL BE AS INDICATED WITHIN THIS DRAWING PACKAGE. THE MEMBRANE SHALL BE LAPPED ON TO THE FOUNDATION WALL AS INDICATED WITHIN THIS DRAWING PACKAGE. THE GALVANIZED FLASHING SHALL BE LAPPED TO THE FOUNDATION WALL AS INDICATED WITHIN THIS DRAWING PACKAGE. THE GALVANIZED FLASHING SHALL BE CONTINUOUS UP THE WALL TO A MINIMUM HEIGHT ABOVE FINISH FLOOR AS INDICATED WITHIN THIS DRAWING PACKAGE AND SHALL CONTINUE BELOW THE BOTTOM OF THE PLATFORM OR MOW STRIP AS INDICATED WITHIN THIS DRAWING PACKAGE.

NOTE:
SEE DETAIL 71 FOR MORE INFO ON FLASHING
& DETERIORATION PROTECTION

EXTERIOR WALL SILL @ VENT / ACCESS

SCALE : NTS 4

DETERIORATION PROTECTION - CORNER CONDITIONS

SCALE : NTS	14
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NOTE:
SEE DETAIL 7/- FOR
ADDITIONAL INFORMATION

DETERIORATION PROTECTION - MODLINE

SCALE : NTS 20

DETERIORATION PROTECTION @ THRESHOLD

15

DETERIORATION PROTECTION REQUIREMENTS

10

PROJECT SPECIFIC STATE AGENCY APPROVAL

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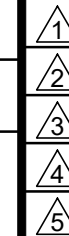
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PROJECT NAME:

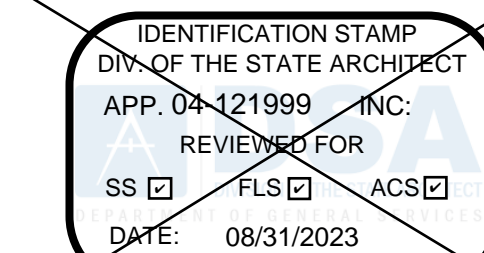
SHEET TITLE

DETERIORATION
PROTECTION
NON-WOOD FINISH SIDING
CONC FLOOR - STL STUDS

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



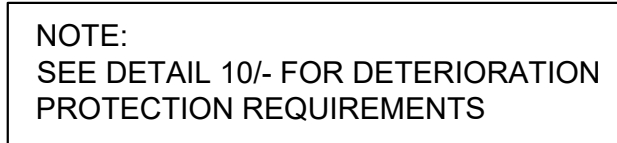
SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO.

DRAWN BY:	
SCALE:	AS NOTED

P.C. SHEET NUMBER

A-5.75



NOTE:
WHERE THE EXTERIOR GRADE IS BELOW THE TOP OF THE FOUNDATION WALL AND
THE BOTTOM OF THE FOUNDATION ANCHOR PLATE(S) (WHERE OCCURS) THE
FLASHING AND MEMBRANE OCCURRING BELOW GRADE MAY BE OMITTED.



A-5.76

SCALE : NTS	7
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SCALE : NTS	2
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- ### **MOISTURE AND TERMITE BARRIER MEMBRANE FLASHING INSTALLATION REQUIREMENTS**
- ALL SURFACES SHALL BE CLEAN (FREE OF DIRT, DUST, OIL AND OTHER DEBRIS) PRIOR TO APPLICATION OF THE ADHESIVE AND MEMBRANE.
 - ALL SURFACE Voids GREATER THAN 1/8" IN WIDTH SHALL BE FILLED WITH SEALANT PRIOR TO INSTALLATION.
 - APPLY LIQUID ADHESIVE TO ALL SURFACES WHICH WILL RECEIVE THE FLASHING BARRIER.
 - CUT PIECES OF MEMBRANE TO LENGTH AS NEEDED AND APPLY TO SUBSTRATE ONCE THE LIQUID ADHESIVE HAS BECOME TACKY. IMMEDIATELY PRIOR TO MEMBRANE APPLICATION, THE INSTALLER SHALL VERIFY THAT THE ADHESIVE IS STILL TACKY TO THE TOUCH, IF NECESSARY A SECOND LAYER OF ADHESIVE SHALL BE PROVIDED.
 - INSTALL MEMBRANE IN A HORIZONTAL ORIENTATION.
 - WHERE A HORIZONTAL LAP OCCURS, THE JOINTS SHALL BE LAPPED 2 1/2 INCHES MINIMUM.
 - AT BUILDING CORNERS THE MEMBRANE SHALL BE WRAPPED AROUND THE CORNER AND SHALL EXTEND NO LESS THAN 6" BEYOND THE CORNER PRIOR TO LAPPING ANOTHER SHEET. SEE DETAIL 14i-.
 - WHERE ARE MODULE JOINT (MODLINE) OCCURS THE FACTORY INSTALLED MEMBRANE SHALL BE TERMINATED WITHIN 1" OF THE EDGE OF THE MODULE. A FIELD INSTALLED MEMBRANE PIECE SHALL BE APPLIED FOLLOWING THE INSTALLATION OF THE MODULES ON THE FOUNDATION. THE FIELD INSTALLED MEMBRANE PIECE SHALL LAP THE FACTORY INSTALLED MEMBRANE 3" MINIMUM AT EACH END.
 - WHERE A VERTICAL LAP OCCURS THE UPPER MEMBRANE LAYER SHALL BE LAPPED OVER THE LOWER MEMBRANE LAYER 6" MINIMUM.
 - THE MEMBRANE SHALL BE ROLLED FIRMLY INTO PLACE USING HAND ROLLER.
 - APPLY MASTIC OR SEALANT TO TERMINATING EDGES AND AROUND PIPES OR OTHER PENETRATIONS.
 - WHERE THE SURFACES ARE OFFSET MORE THAN 1/8" OUT-OF-PLANE PROVIDE SEALANT OR ANOTHER STABLE MATERIAL TO TRANSITION BETWEEN THE SURFACES.
 - WHERE A HORIZONTAL LAP OCCURS IN THE GALVANIZED FLASHING THE JOINTS SHALL BE LAPPED 2 1/2" MINIMUM
 - REFER TO DETAIL 20i- FOR MODLINE DETERIORATION PROTECTION

REPAIR REQUIREMENTS

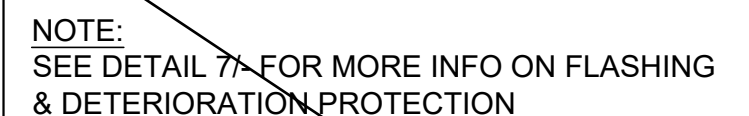
WHERE DAMAGE OCCURS, THE REPAIRS SHALL BE AS FOLLOWS:

1. WHERE THE DAMAGE MEASURES LESS THAN 1/2" IN ANY DIRECTION THE PUNCTURE SHALL BE SEALED WITH MASTIC.
2. WHERE THE DAMAGE MEASURES MORE THAN 1/2", BUT LESS THAN 2", IN ANY DIRECTION A PATCH SHALL BE INSTALLED OVER THE DAMAGE USING THE SAME MEMBRANE MATERIAL. THE PATCH SHALL OVERLAP 4" MINIMUM IN ALL DIRECTIONS.
3. WHERE THE DAMAGE MEASURES MORE THAN 2" IN ANY DIRECTION THE DAMAGED PORTION SHALL BE REMOVED AND A PIECE OF MEMBRANE SHALL BE INSTALLED. THE PATCH SHALL OVERLAP 4" MINIMUM IN ALL DIRECTIONS.

INSPECTION REQUIREMENTS

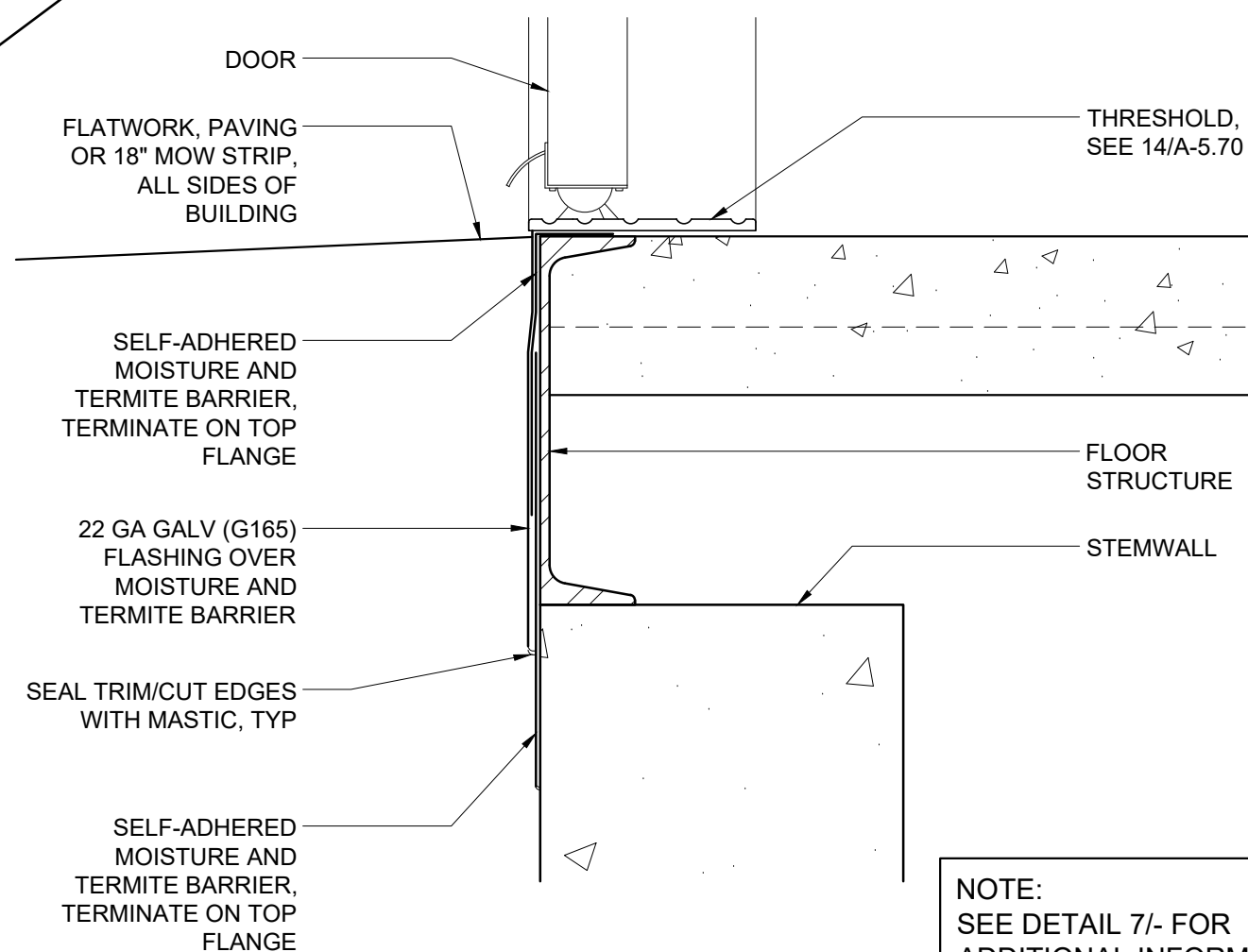
THE IN-PLANT INSPECTOR SHALL OBSERVE THE INSTALLATION OF FACTORY INSTALLED PORTION OF THE MEMBRANE FLASHING. THE ADHESIVE AND MEMBRANE SHALL BE INSTALLED IN ACCORDANCE WITH THESE INSTALLATION INSTRUCTIONS. ALL OVERLAPS SHALL BE AS INDICATED WITHIN THIS DRAWING PACKAGE. THE MEMBRANE SHALL BE CONTINUOUS UP THE WALL TO A MINIMUM HEIGHT ABOVE FINISH FLOOR AS INDICATED WITHIN THIS DRAWING PACKAGE.

THE ON-SITE INSPECTOR SHALL OBSERVE THE INSTALLATION OF THE SITE INSTALLED PORTION OF THE MEMBRANE FLASHING. THE FACTORY INSTALLED MEMBRANE SHOULD BE INVESTIGATED TO DETERMINE IF ANY DAMAGE OCCURRED DURING MODULE SHIPMENT/INSTALLATION PRIOR TO PROCEEDING WITH THE SITE INSTALLED MEMBRANE PLACEMENT. THE ADHESIVE AND MEMBRANE SHALL BE INSTALLED IN ACCORDANCE WITH THESE INSTALLATION INSTRUCTIONS. ALL OVERLAPS SHALL BE AS INDICATED WITHIN THIS DRAWING PACKAGE. THE MEMBRANE SHALL BE LAPPED ON TO THE FOUNDATION WALL AS INDICATED WITHIN THIS DRAWING PACKAGE. THE GALVANIZED FLASHING SHALL BE LAPPED TO THE FOUNDATION WALL AS INDICATED WITHIN THIS DRAWING PACKAGE. THE GALVANIZED FLASHING SHALL BE CONTINUOUS UP THE WALL TO A MINIMUM HEIGHT ABOVE FINISH FLOOR AS INDICATED WITHIN THIS DRAWING PACKAGE AND SHALL CONTINUE BELOW THE BOTTOM OF THE PLATFORM OR MOW STRIP AS INDICATED WITHIN THIS DRAWING PACKAGE.



SCALE : NTS	4
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SCALE : NTS	14
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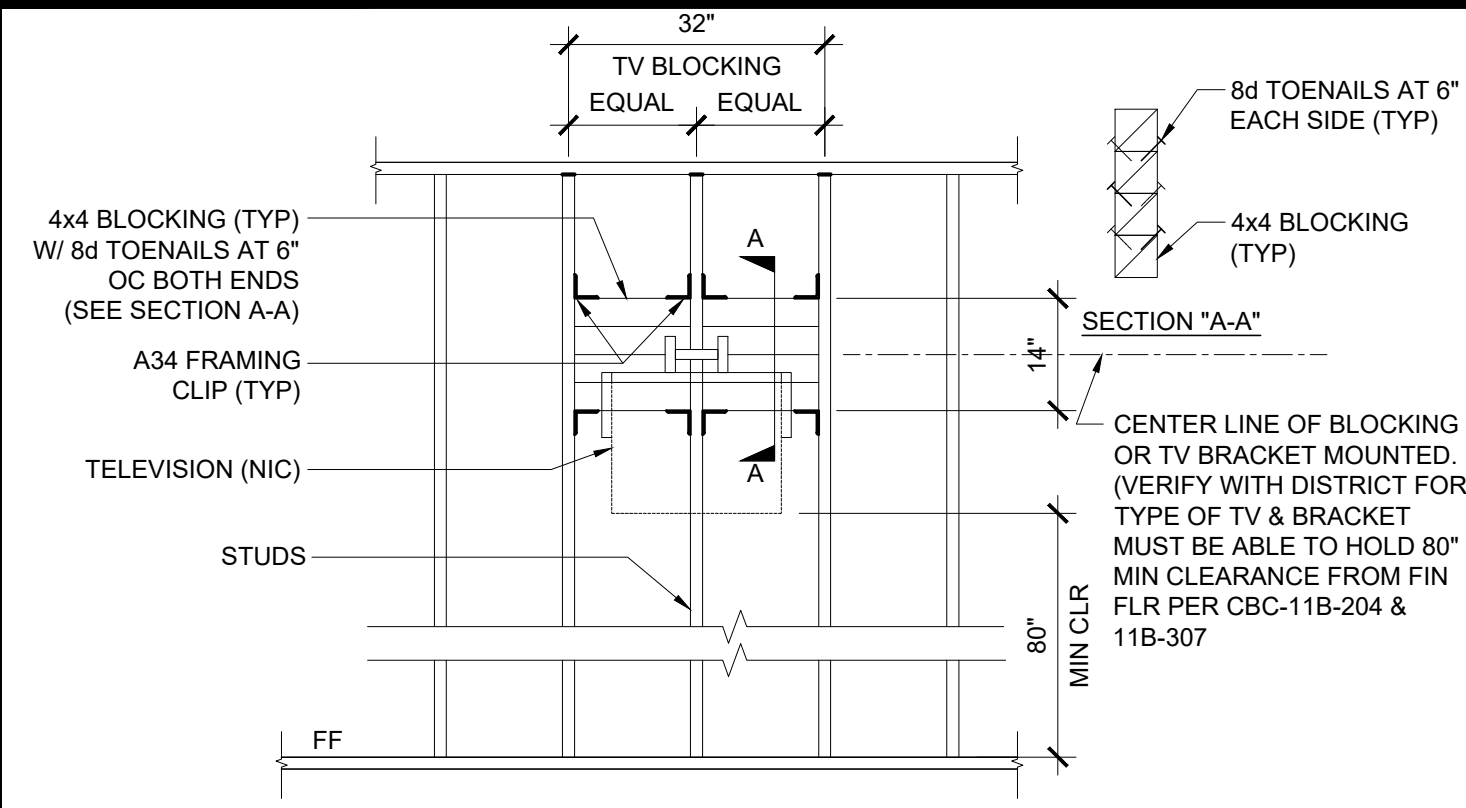
NOTE:
SEE DETAIL 7/- FOR
ADDITIONAL INFORMATION

SCALE : NTS 20

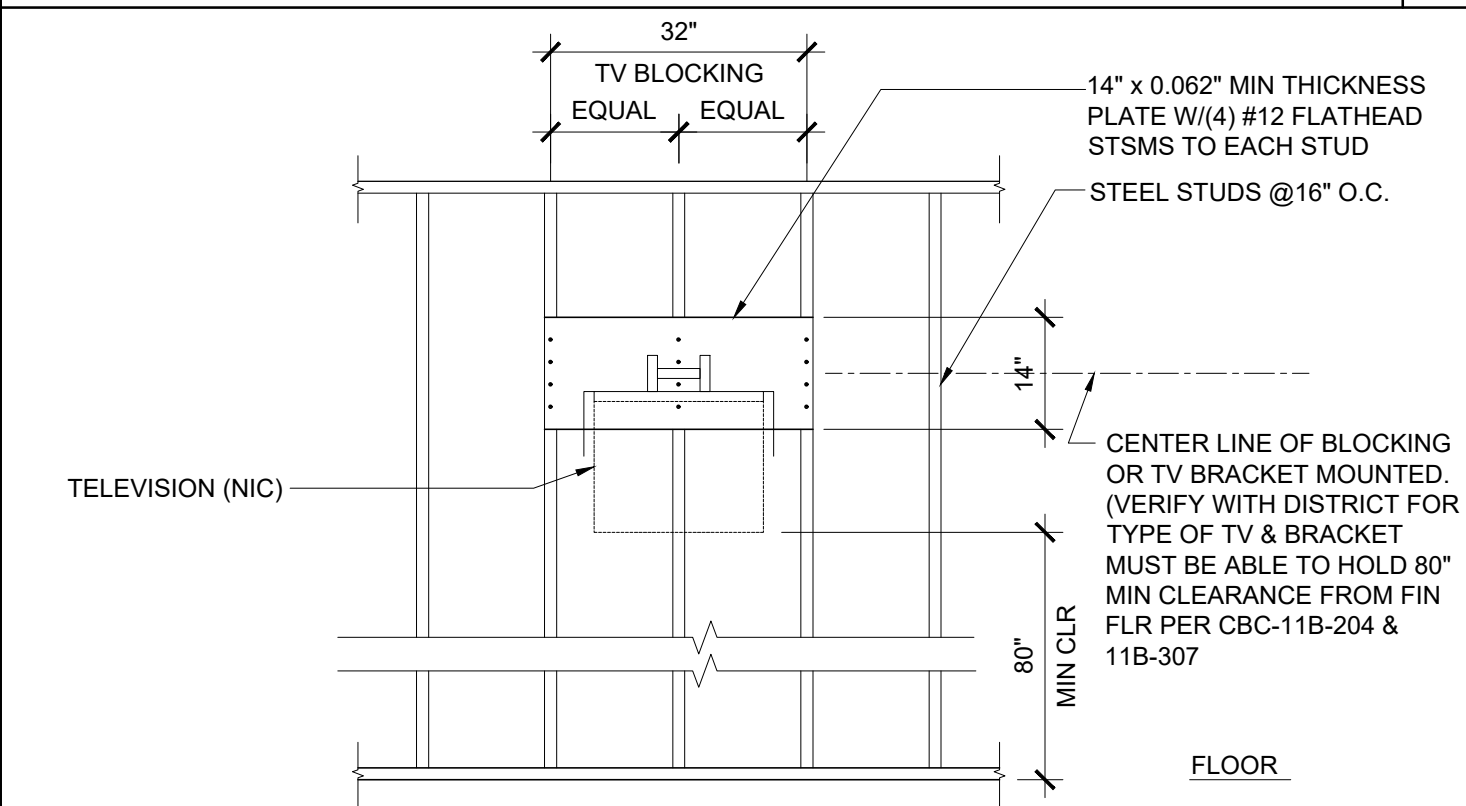
15

10

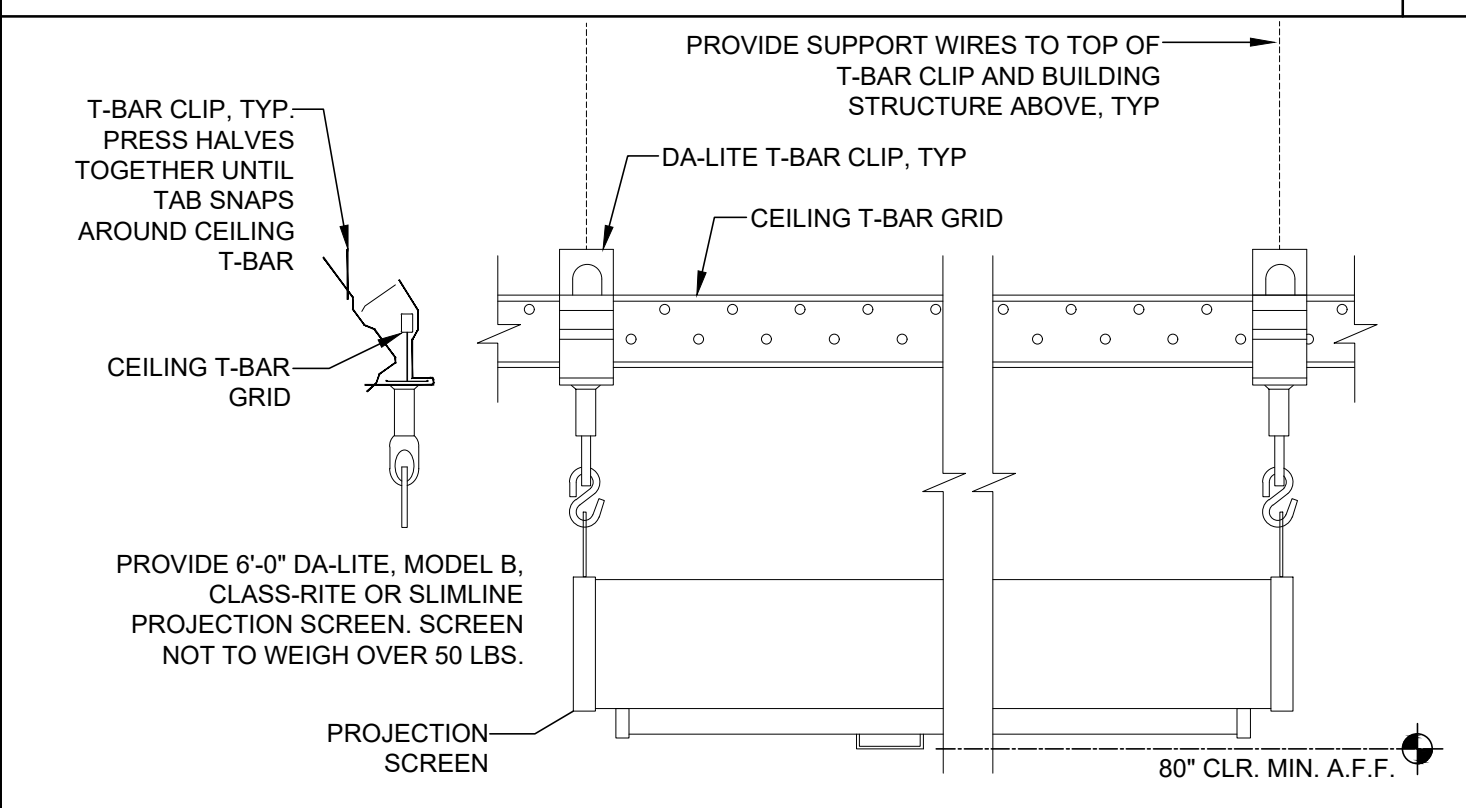
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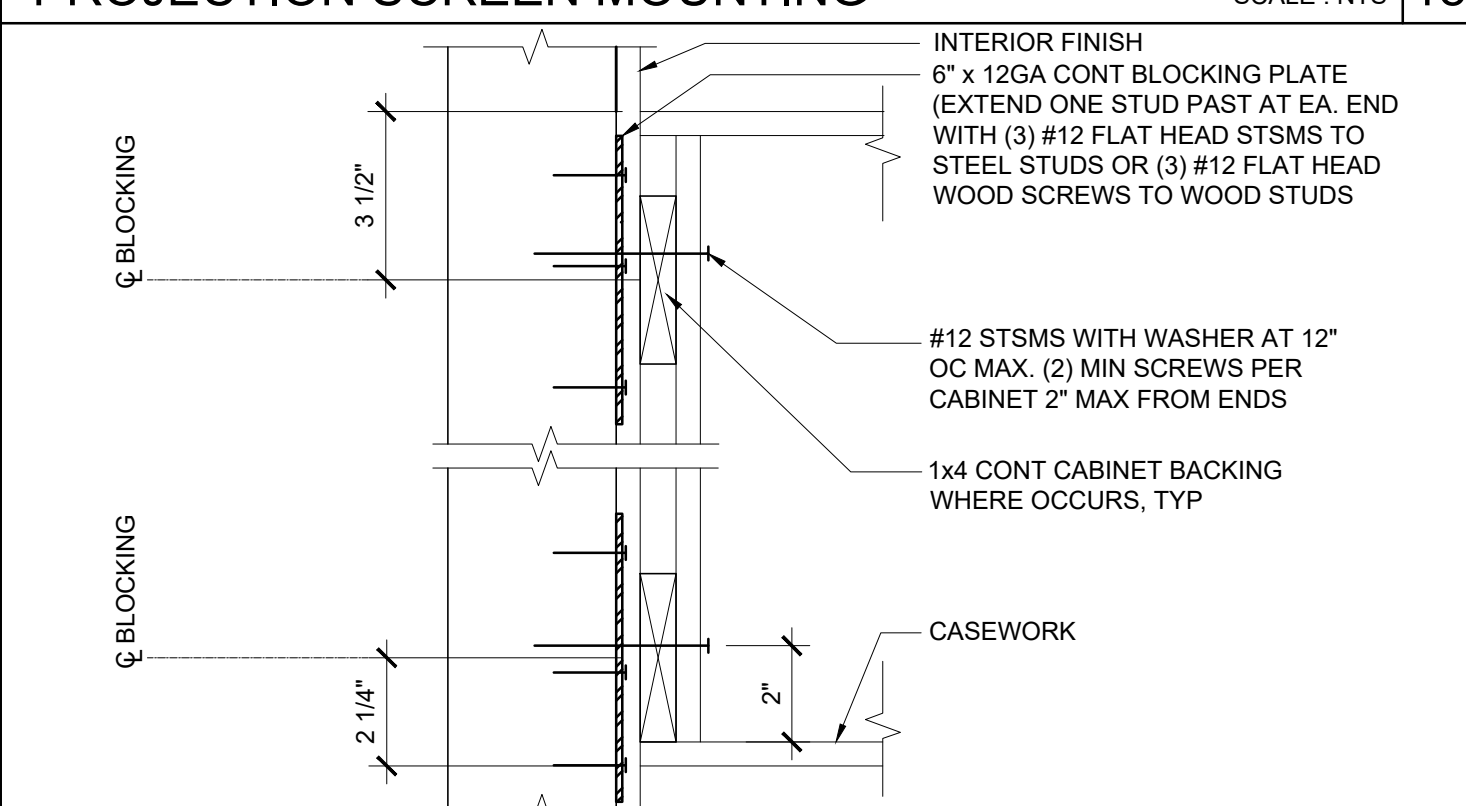
T.V. BLOCKING ATTACHMENT AT WOOD STUD SCALE : 1/2" = 1'-0" 16



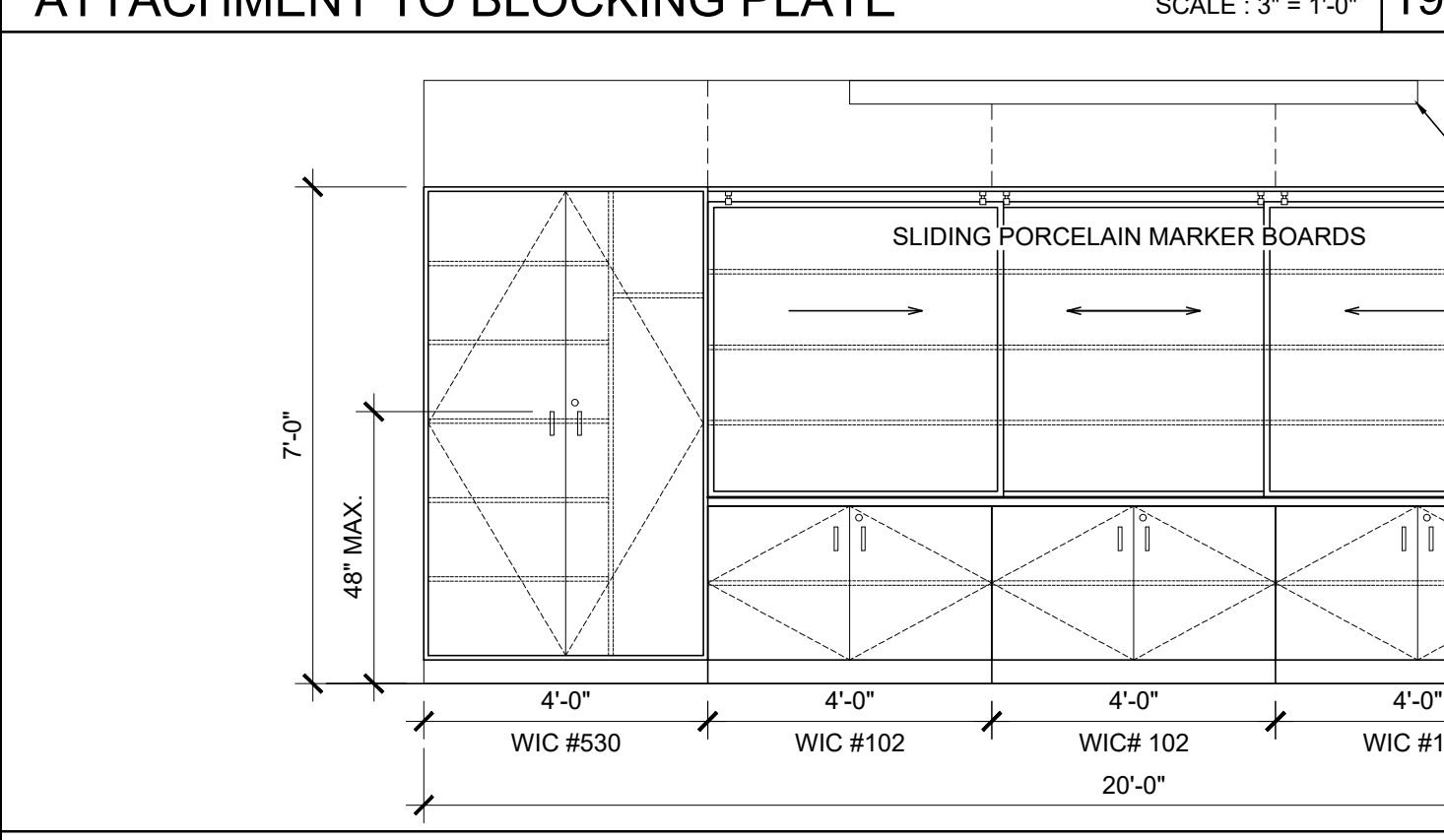
T.V. BLOCKING ATTACHMENT AT STEEL STUD SCALE : 1/2" = 1'-0" 17



PROJECTION SCREEN MOUNTING SCALE : NTS 18



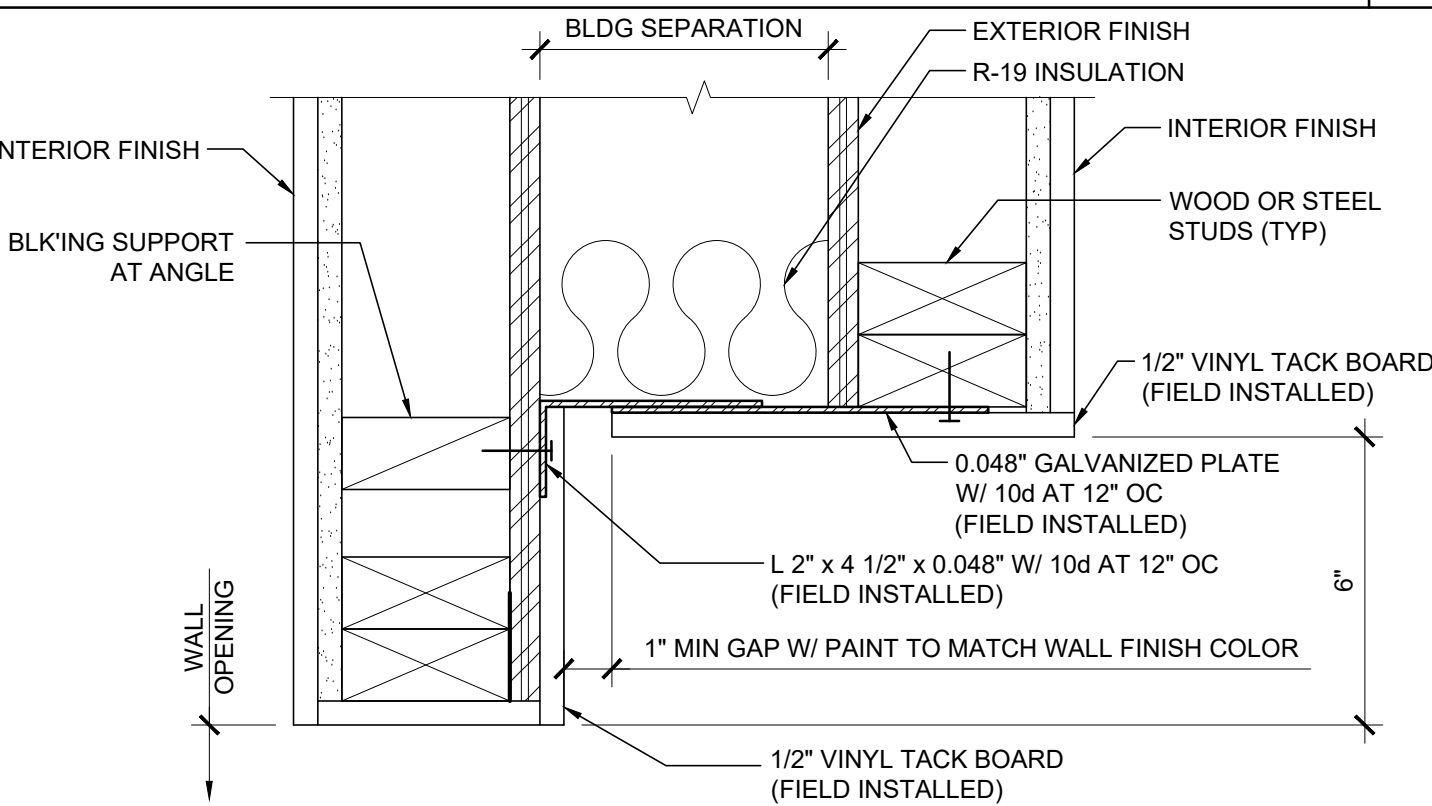
ATTACHMENT TO BLOCKING PLATE SCALE : 3" = 1'-0" 19



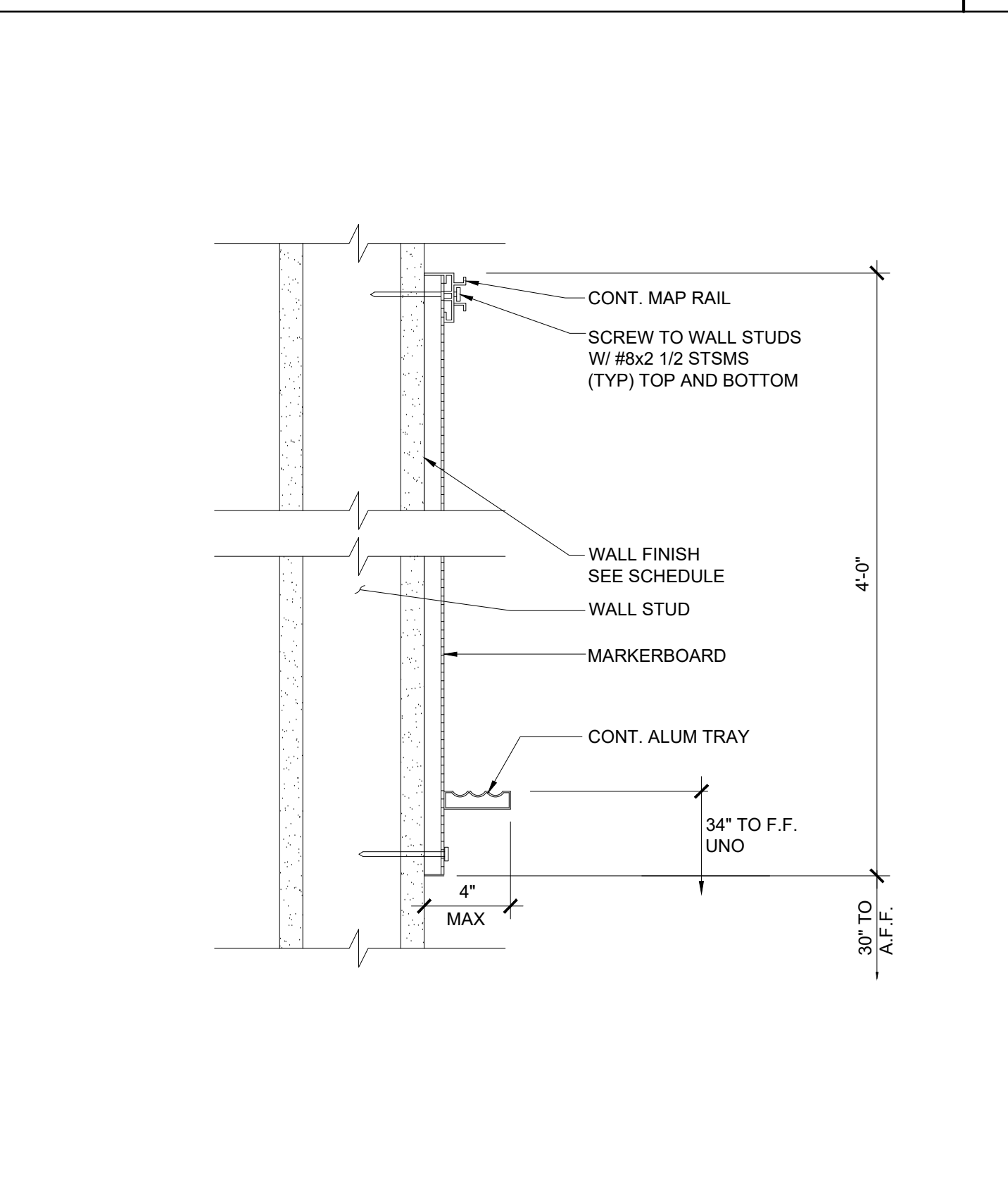
TEACHING WALL - ELEVATION / SECTION - OPTION SCALE : 3/8" = 1'-0" 15



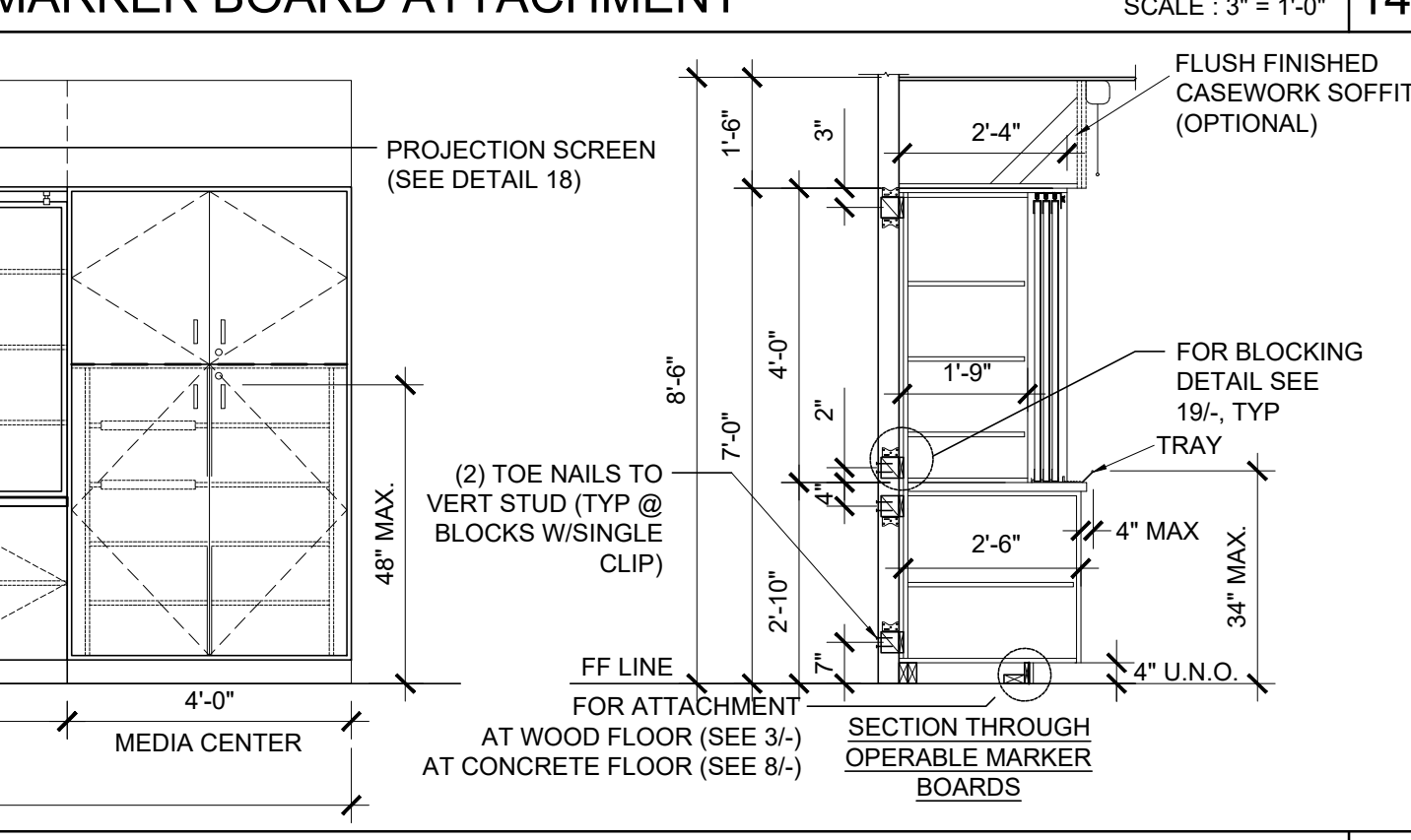
NOT USED 11



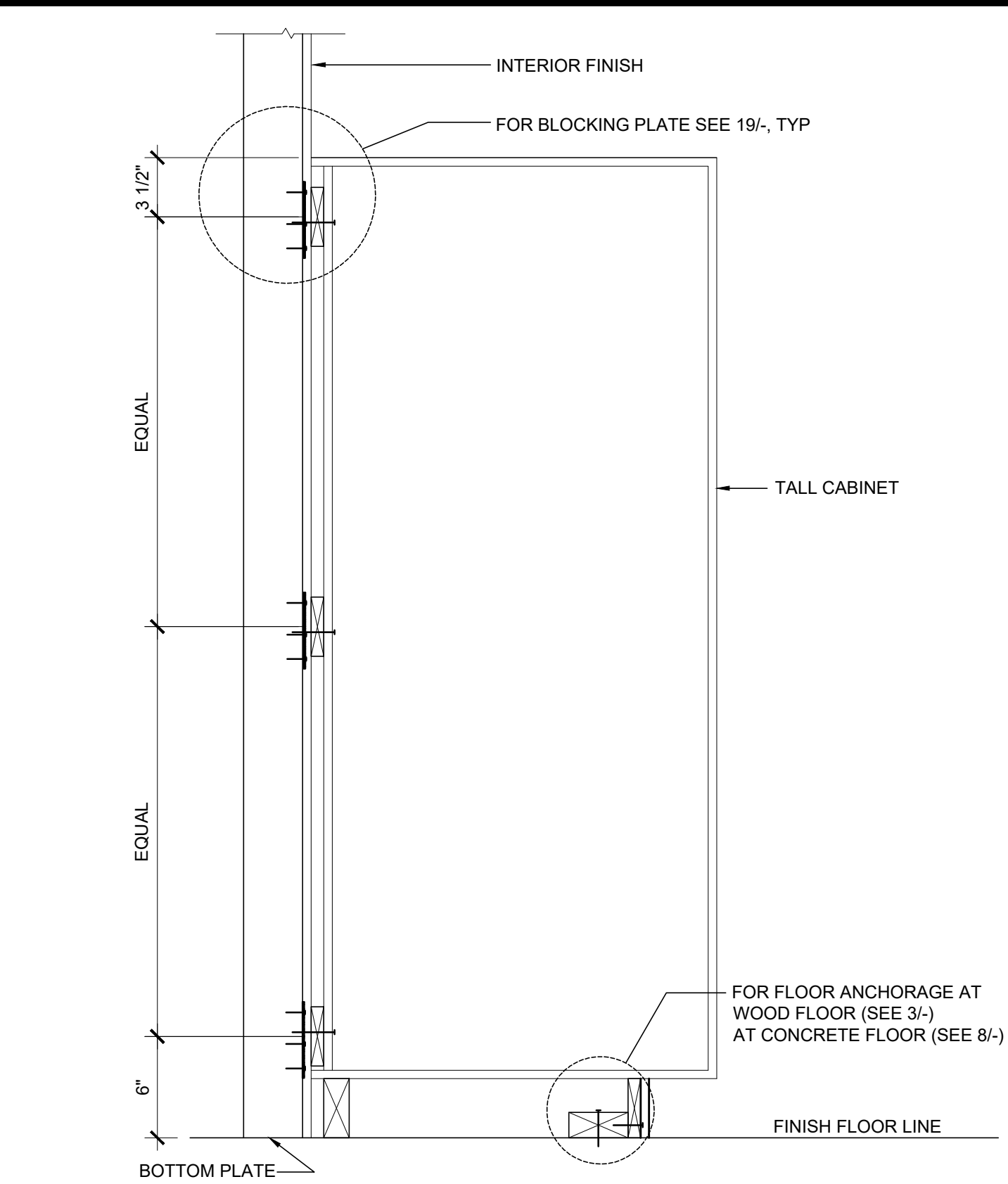
WALL OPENING AT HEADER AND JAMB SCALE : 3" = 1'-0" 12



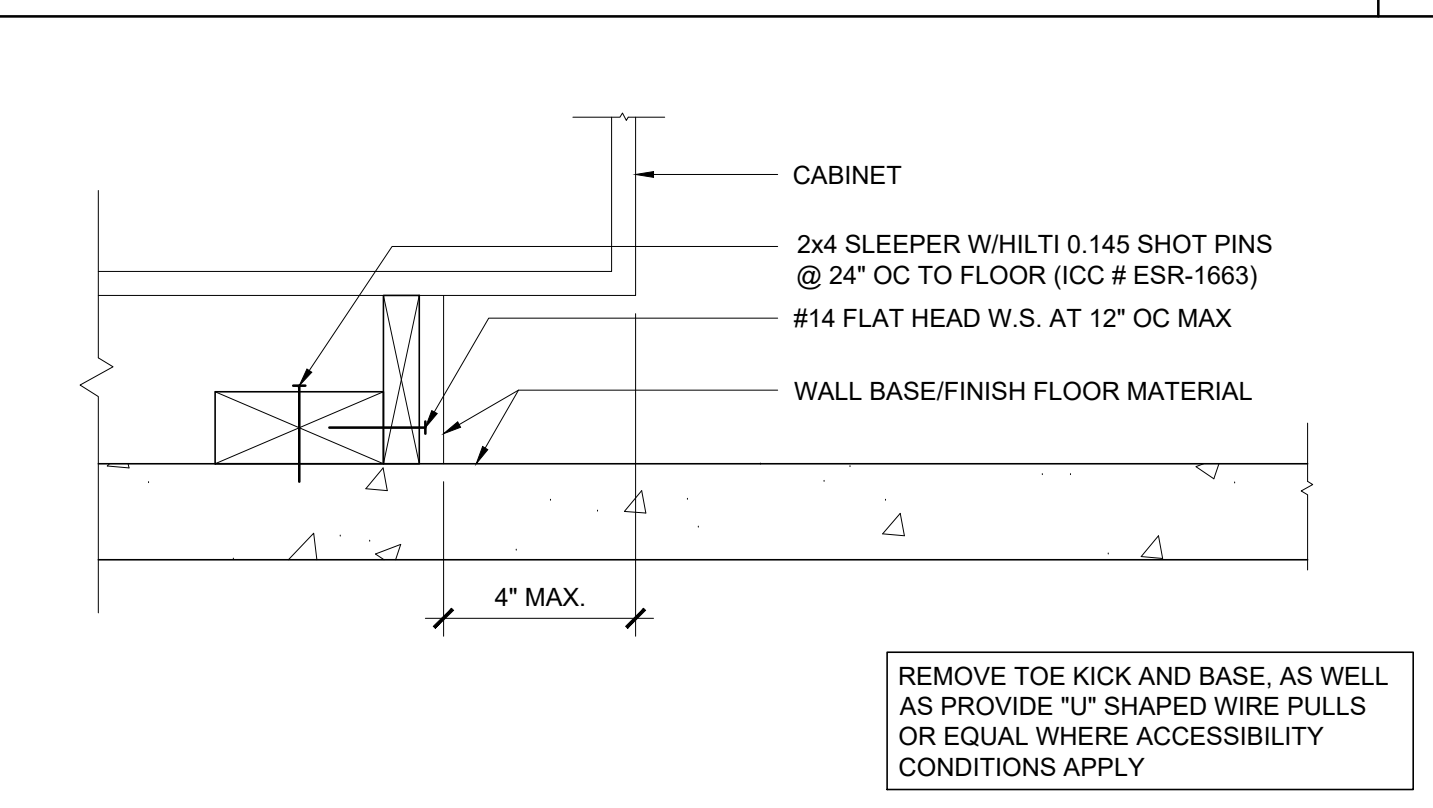
MARKER BOARD ATTACHMENT SCALE : 3" = 1'-0" 14



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



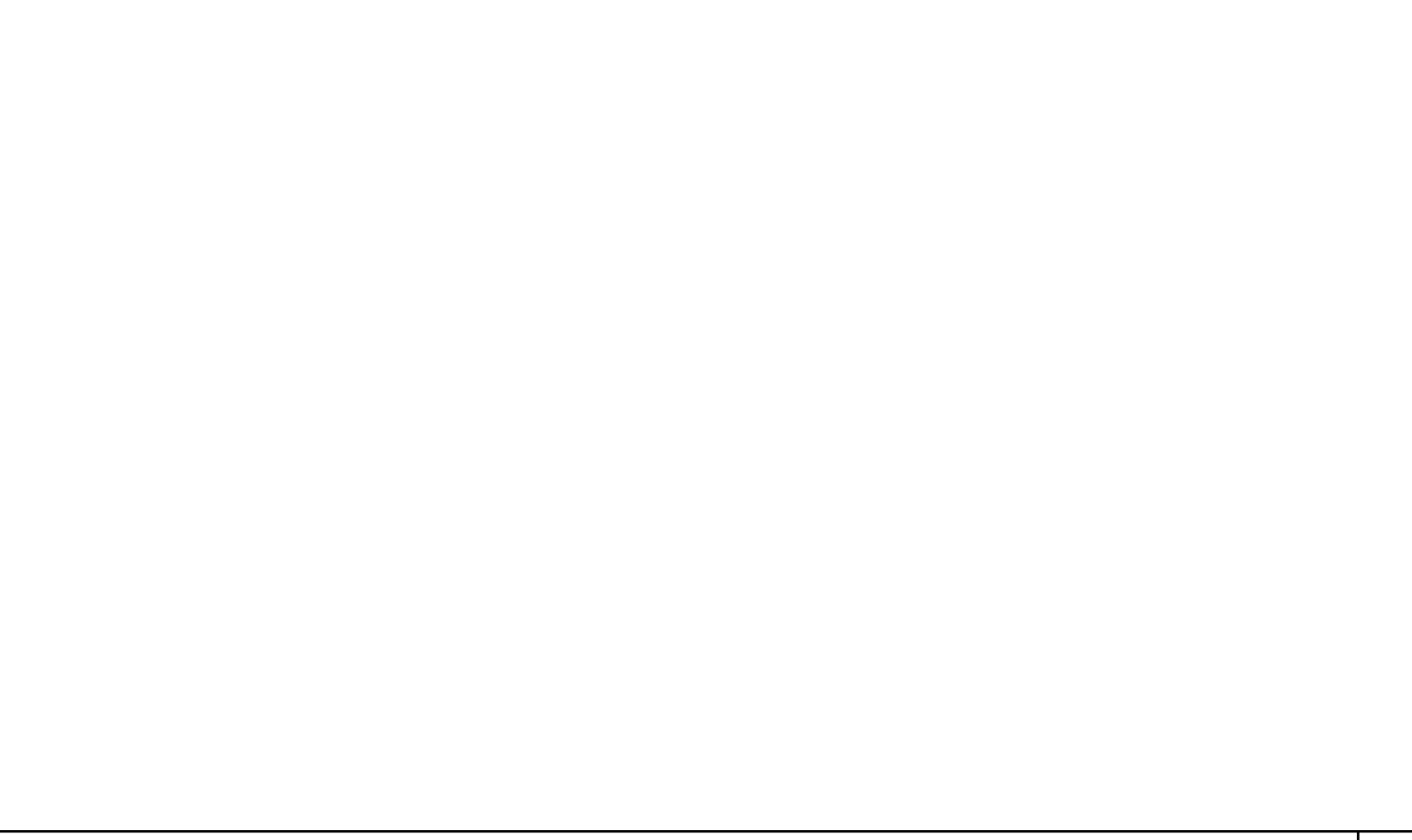
TALL CABINET WALL ANCHORAGE SCALE : 1 1/2" = 1'-0" 7



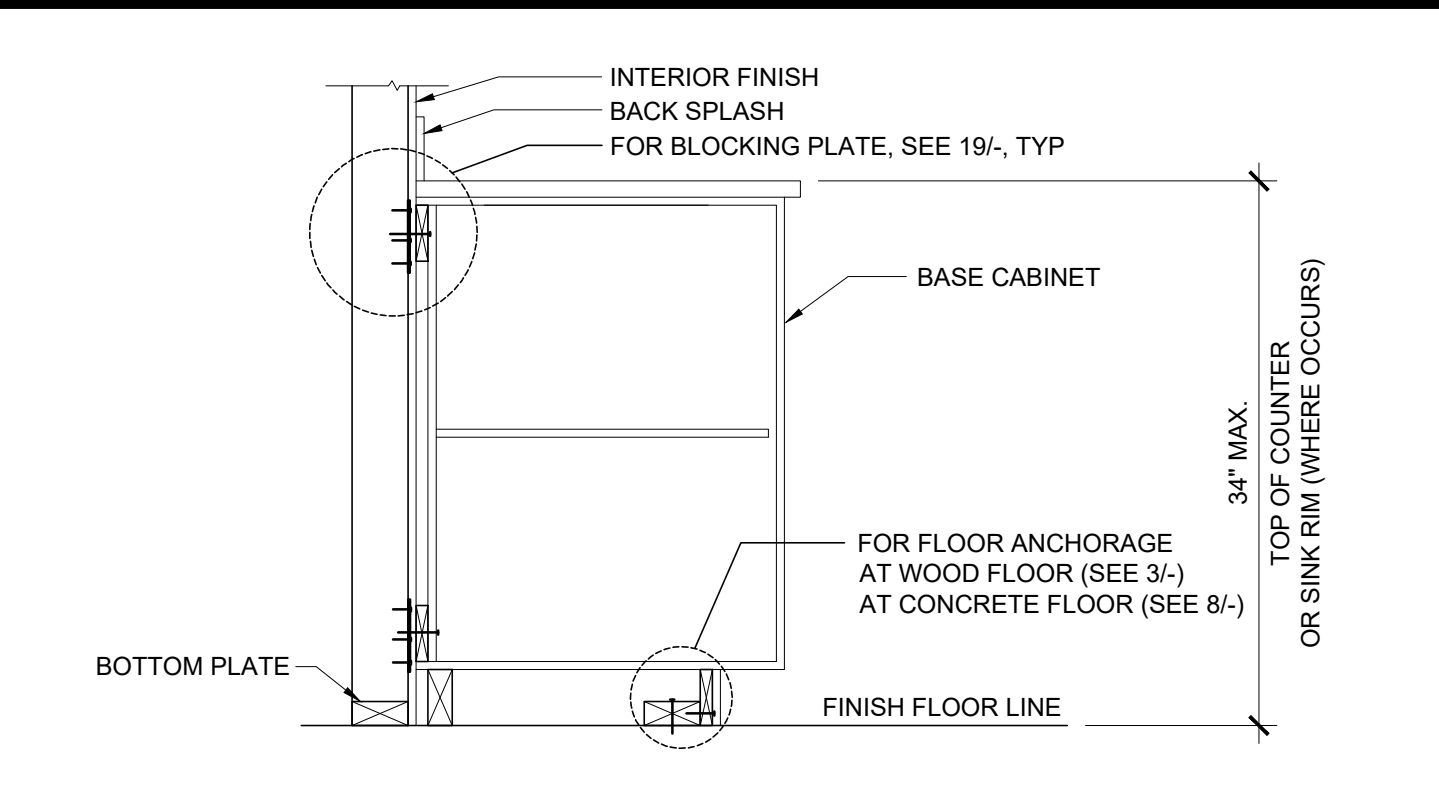
ATTACHMENT TO BLOCKING - CONC. FLOOR SCALE : 3" = 1'-0" 8



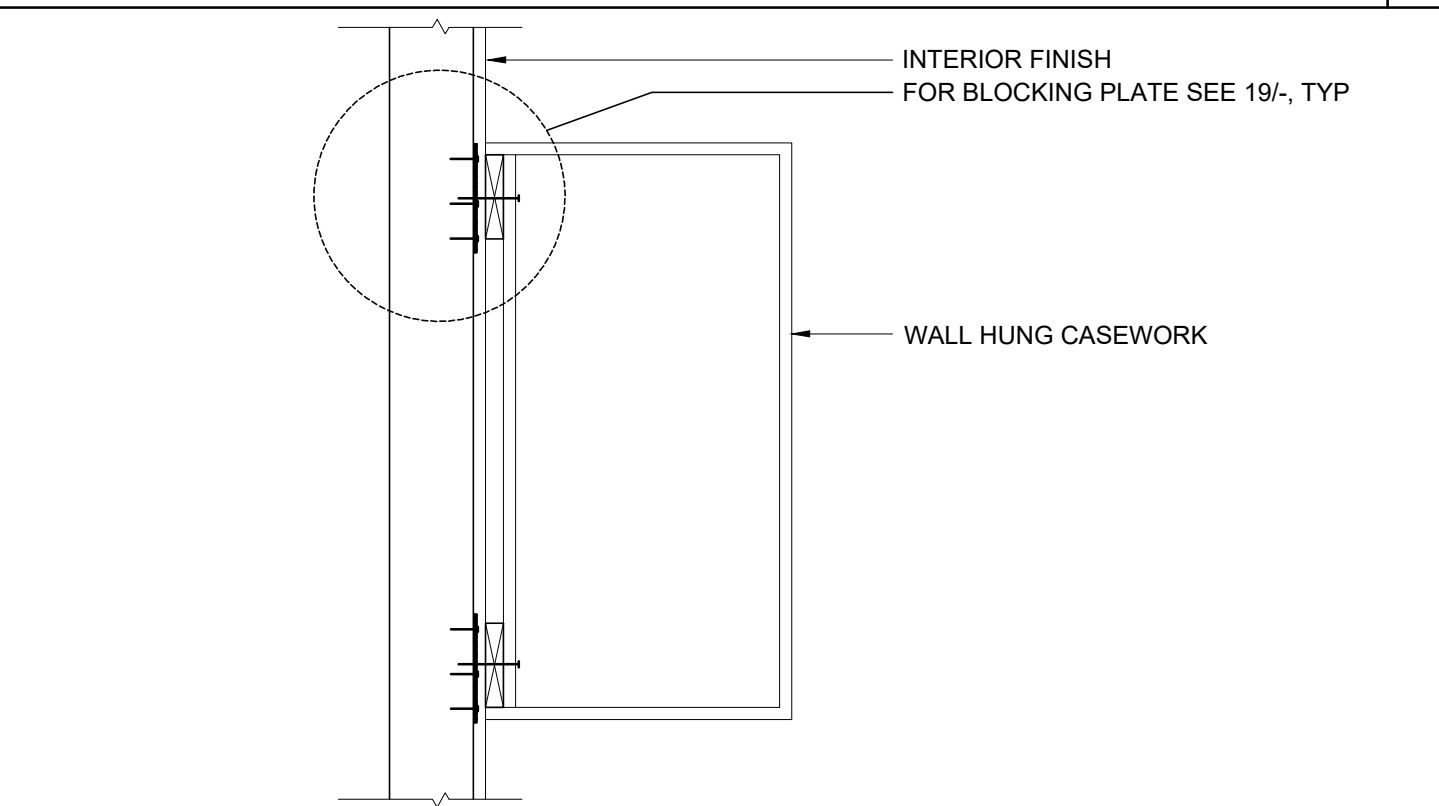
ATTACHMENT TO BLOCKING - WOOD FLOOR SCALE : 3" = 1'-0" 3



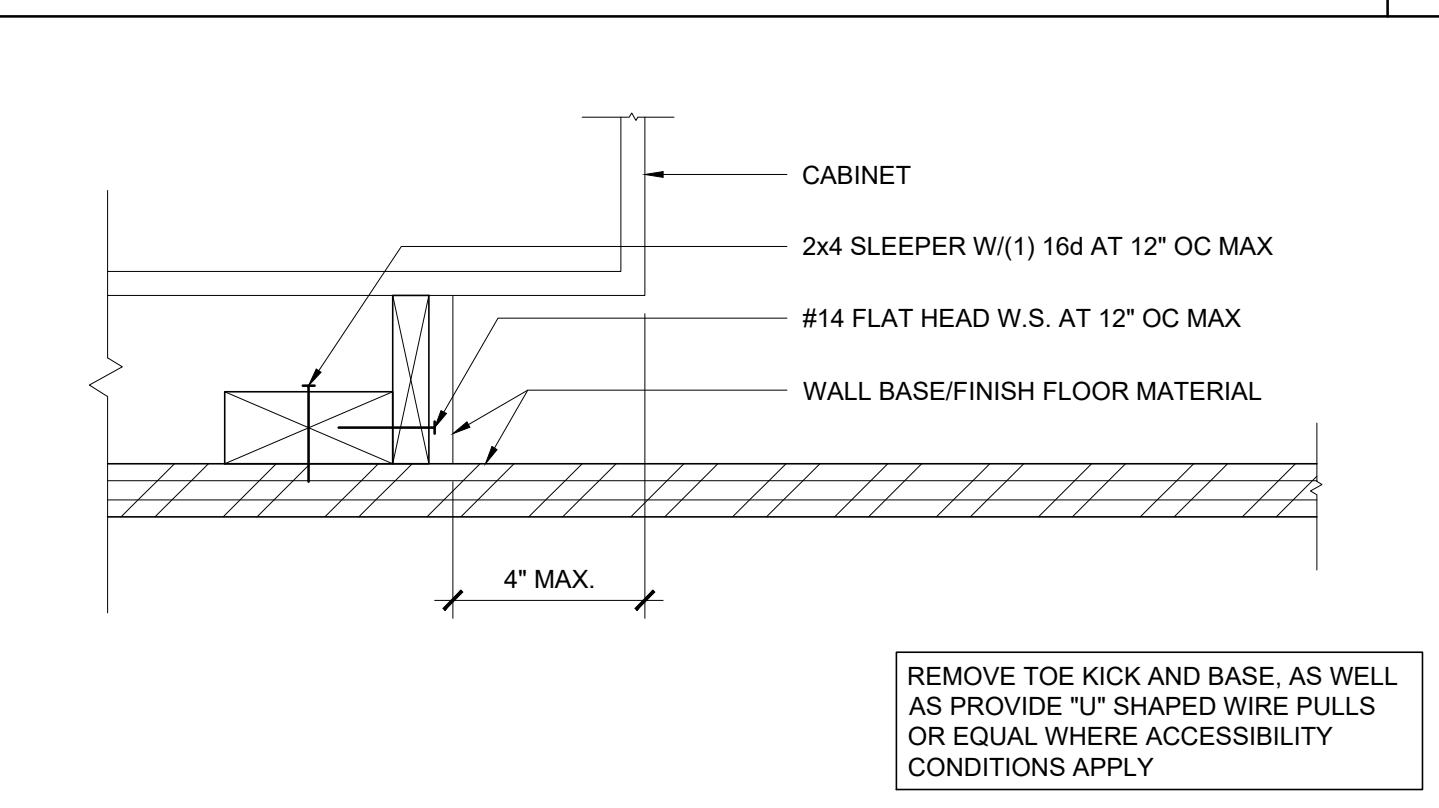
ACCESSIBLE COUNTER SCALE : 1" = 1'-0" 4



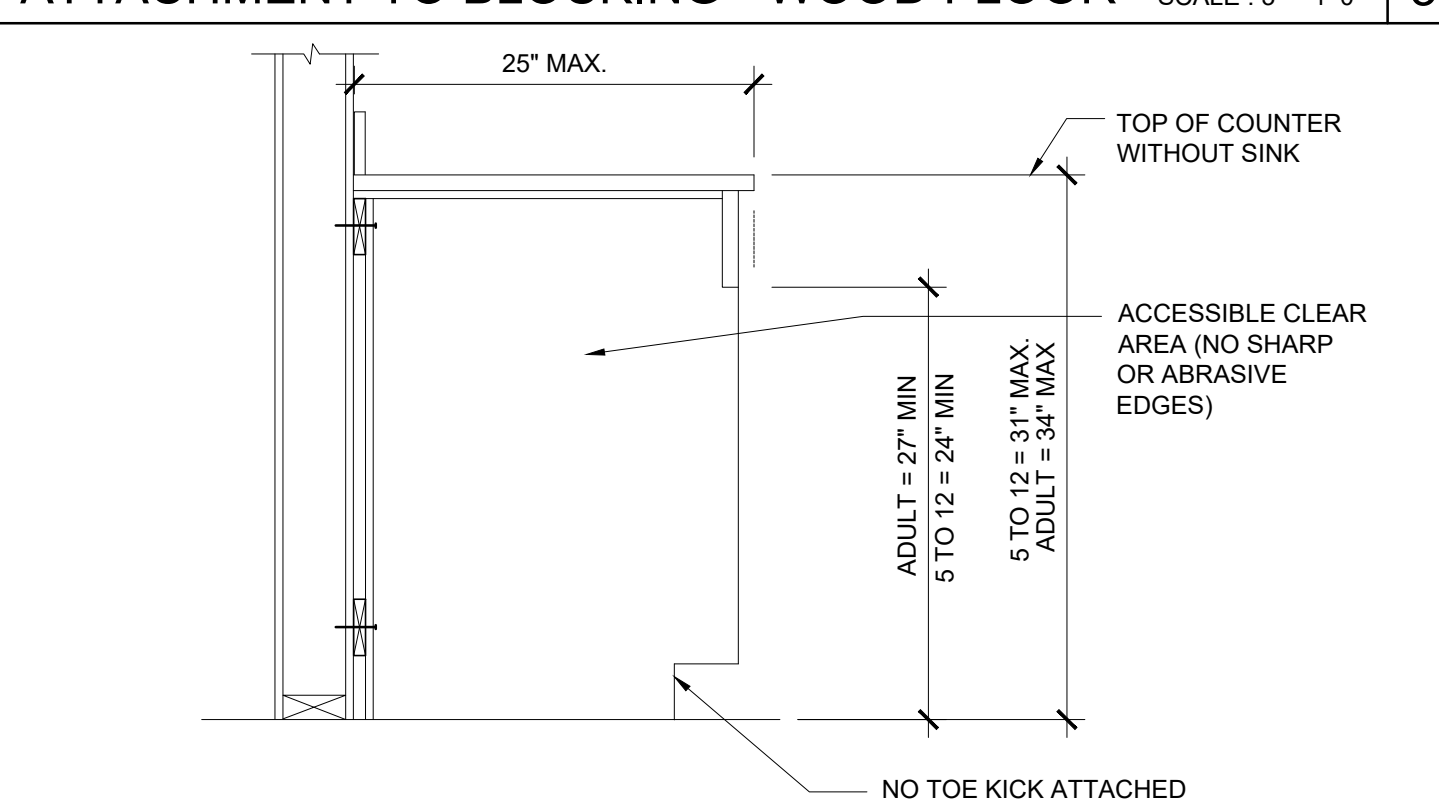
BASE CABINET WALL ANCHORAGE SCALE : 1" = 1'-0" 1



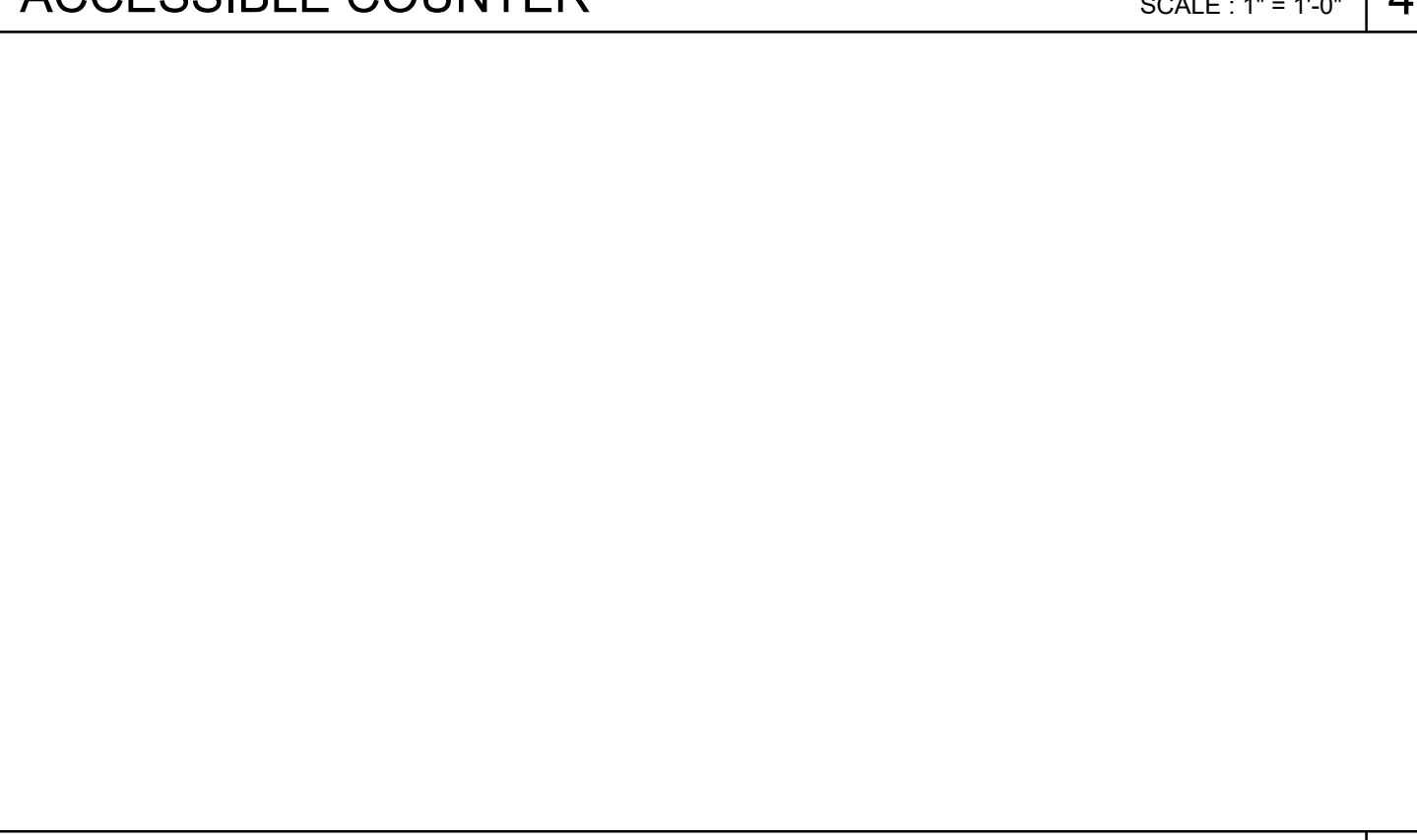
WALL HUNG ANCHORAGE CABINET SCALE : 1 1/2" = 1'-0" 2



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



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



NOT USED 5

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PROJECT NAME:

SHEET TITLE:

ARCHITECTURAL DETAILS


MISCELLANEOUS/OPTIONS

REVISIONS


PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC
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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-12-1999 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:

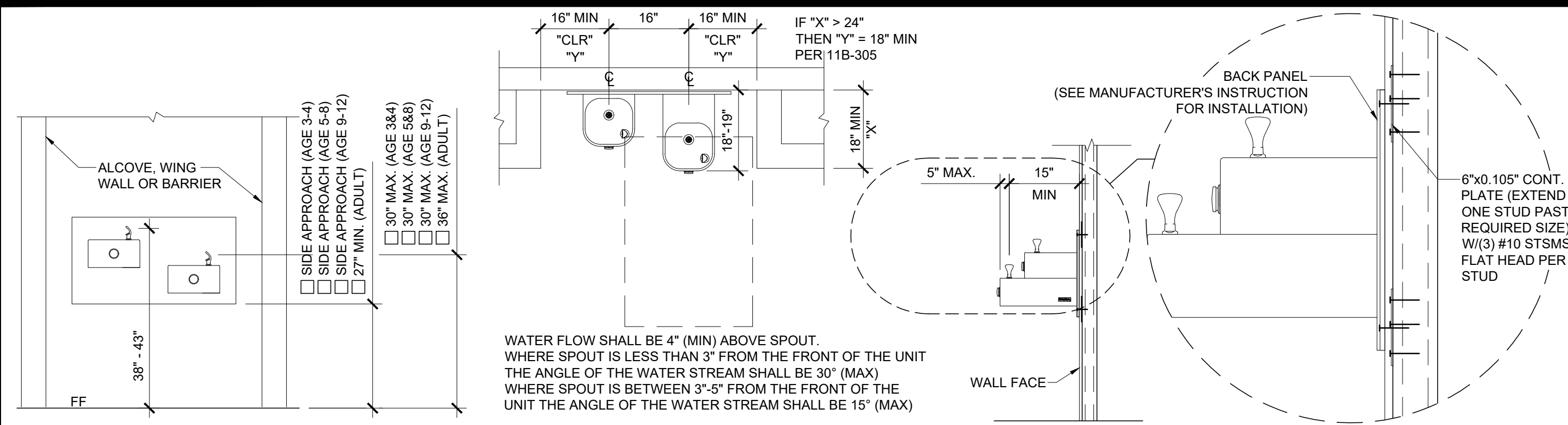
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-5.80

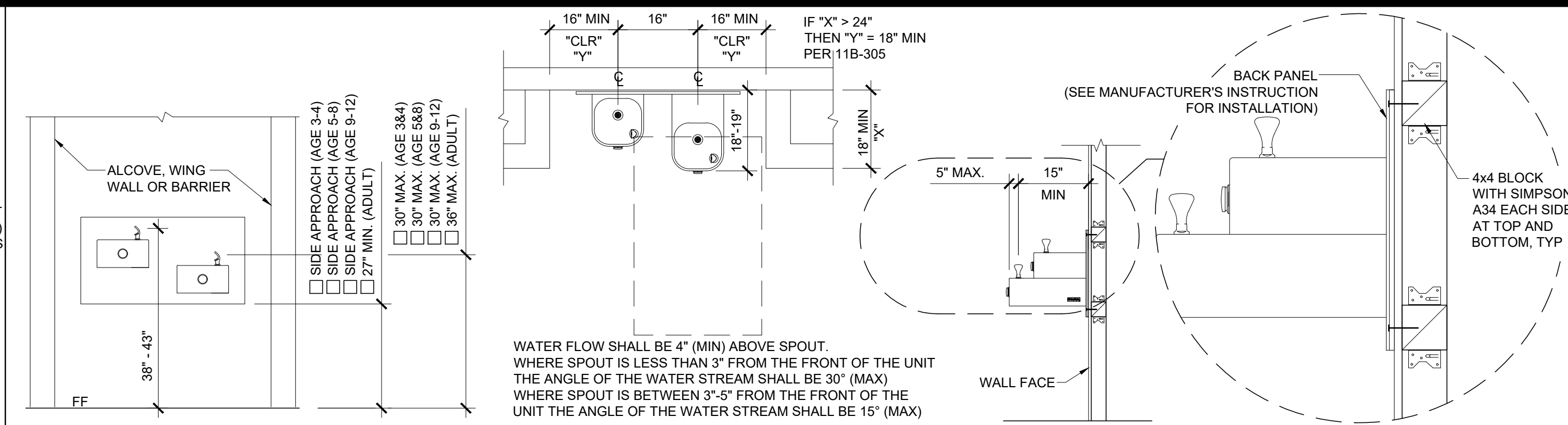


DRINKING FOUNTAIN BLOCKING DETAIL

AT STEEL STUD

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

11

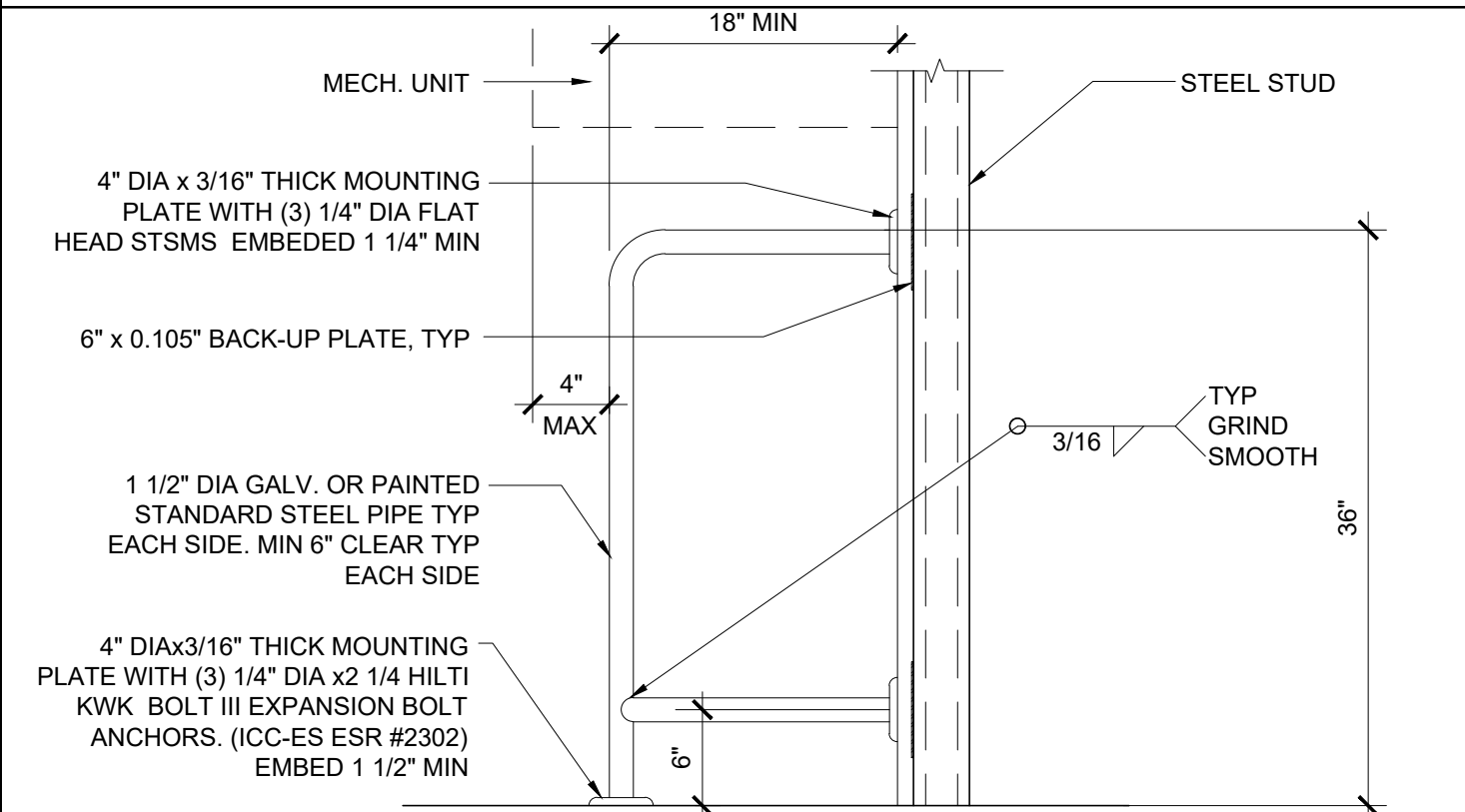


DRINKING FOUNTAIN BLOCKING DETAIL

AT WOOD STUD

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

1

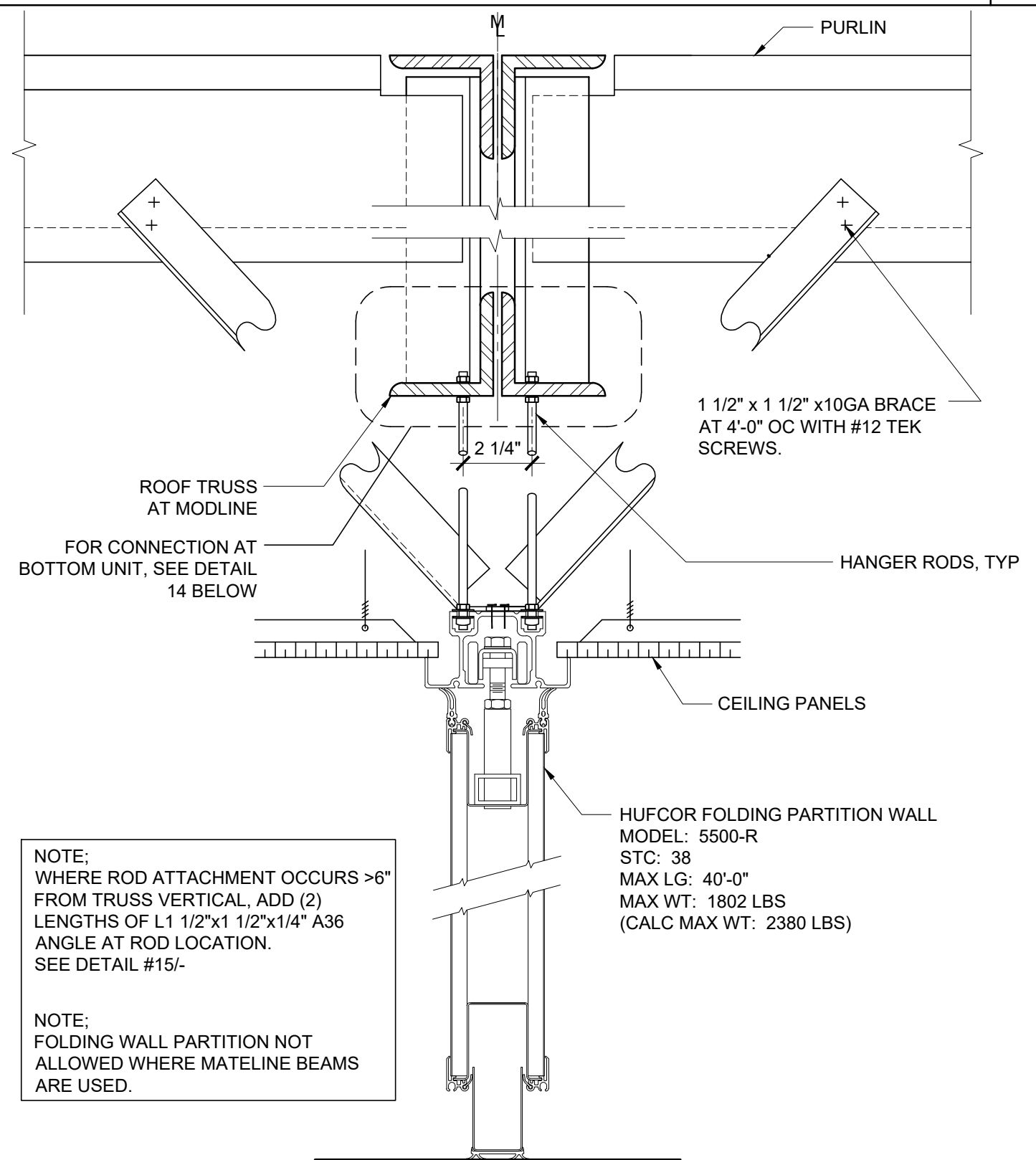


HVAC BARRIER - OPT. D.F. BARRIER

AT STEEL STUD

SCALE : 1" = 1'-0"

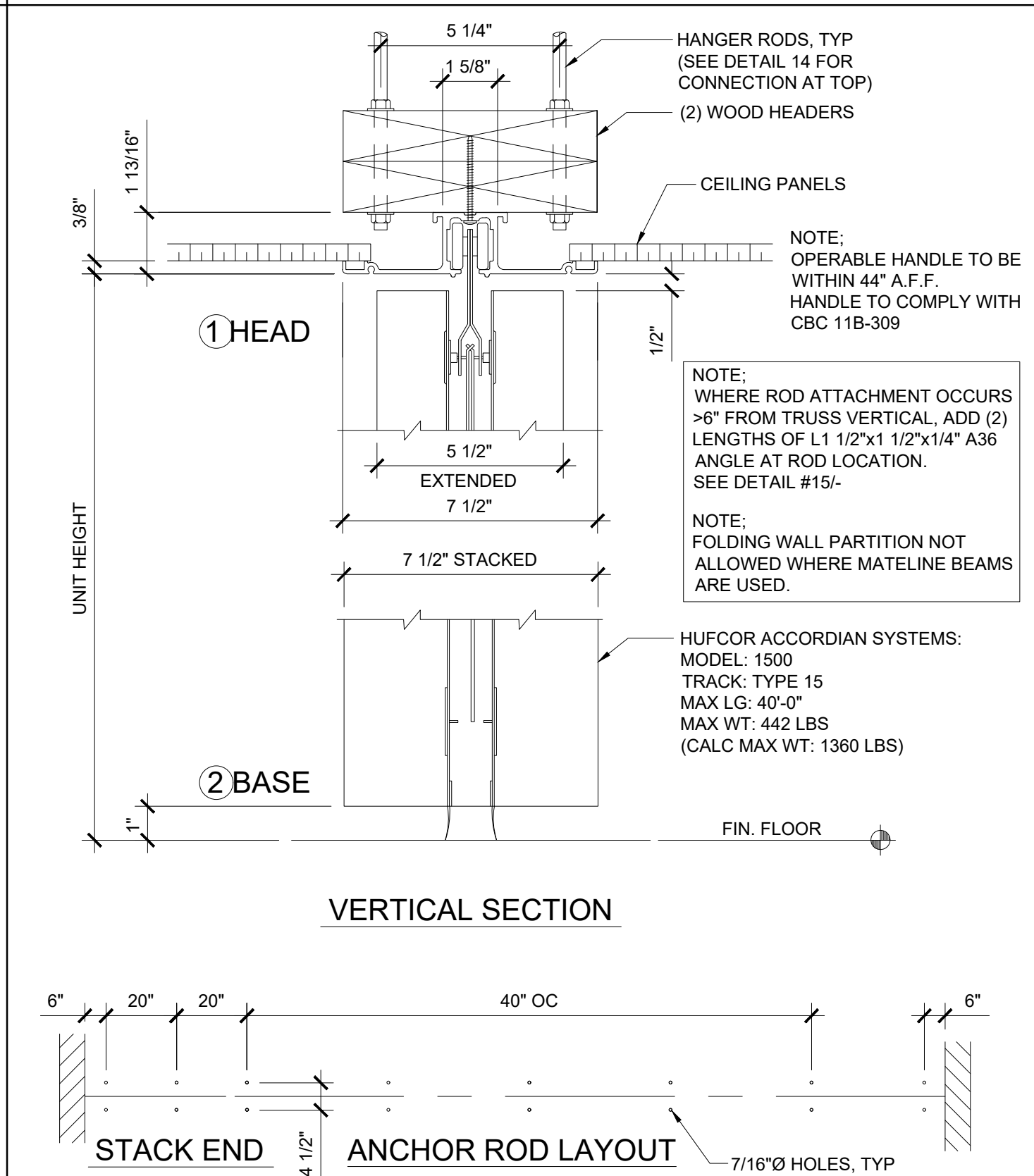
17



FOLDING WALL PARTITION ATTACH @ TOP UNIT

SCALE : 3" = 1'-0"

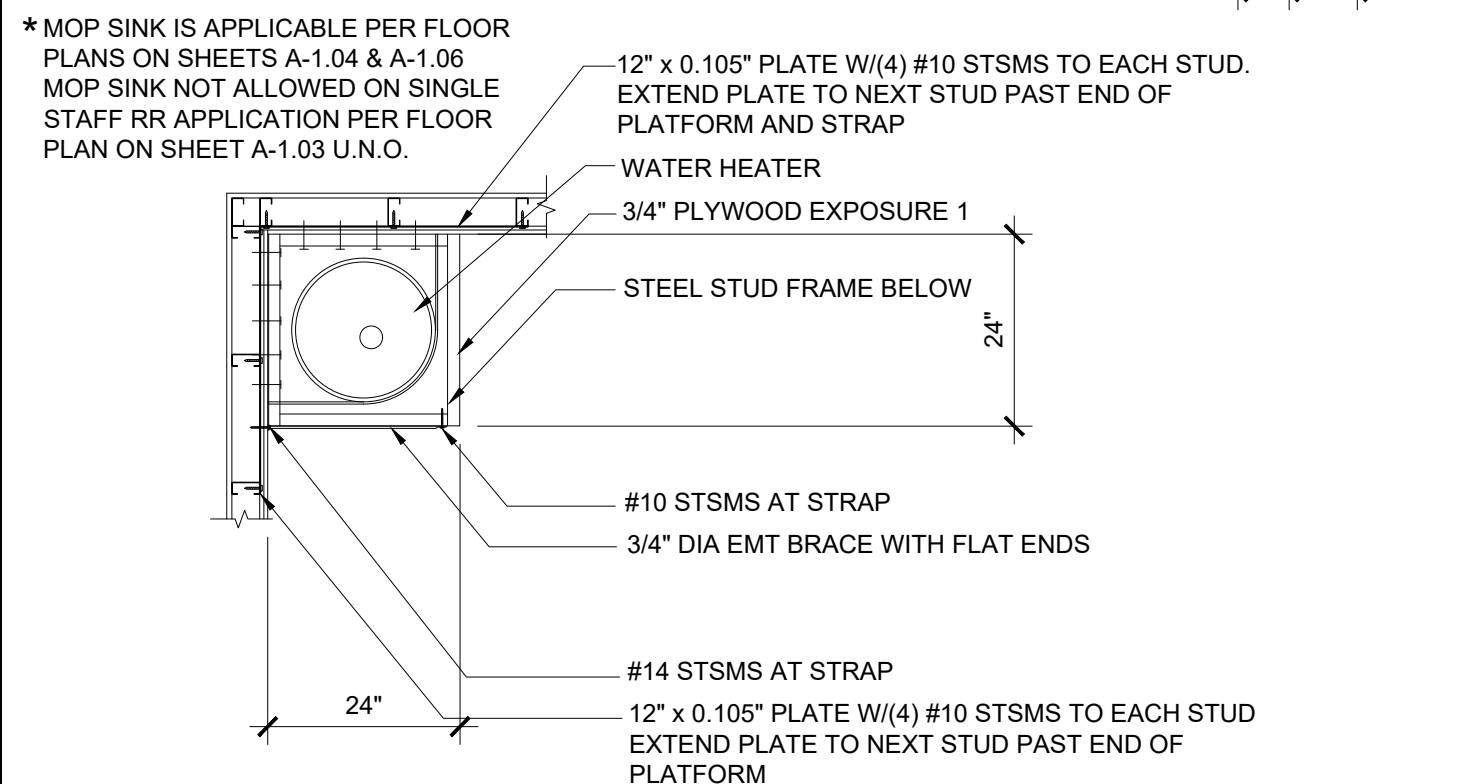
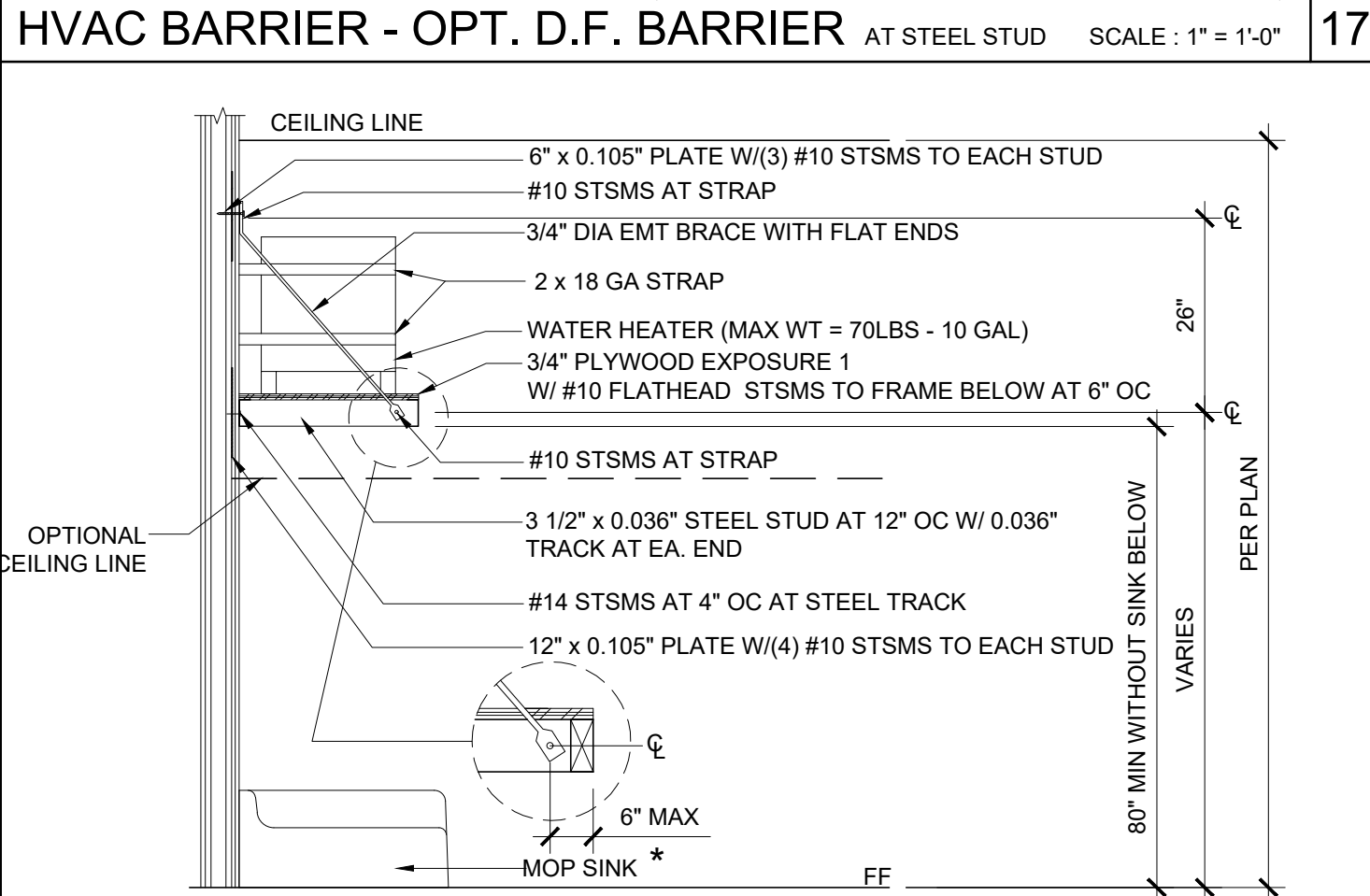
13



ACCORDION PARTITION ATTACHMENT

SCALE : 3" = 1'-0"

8

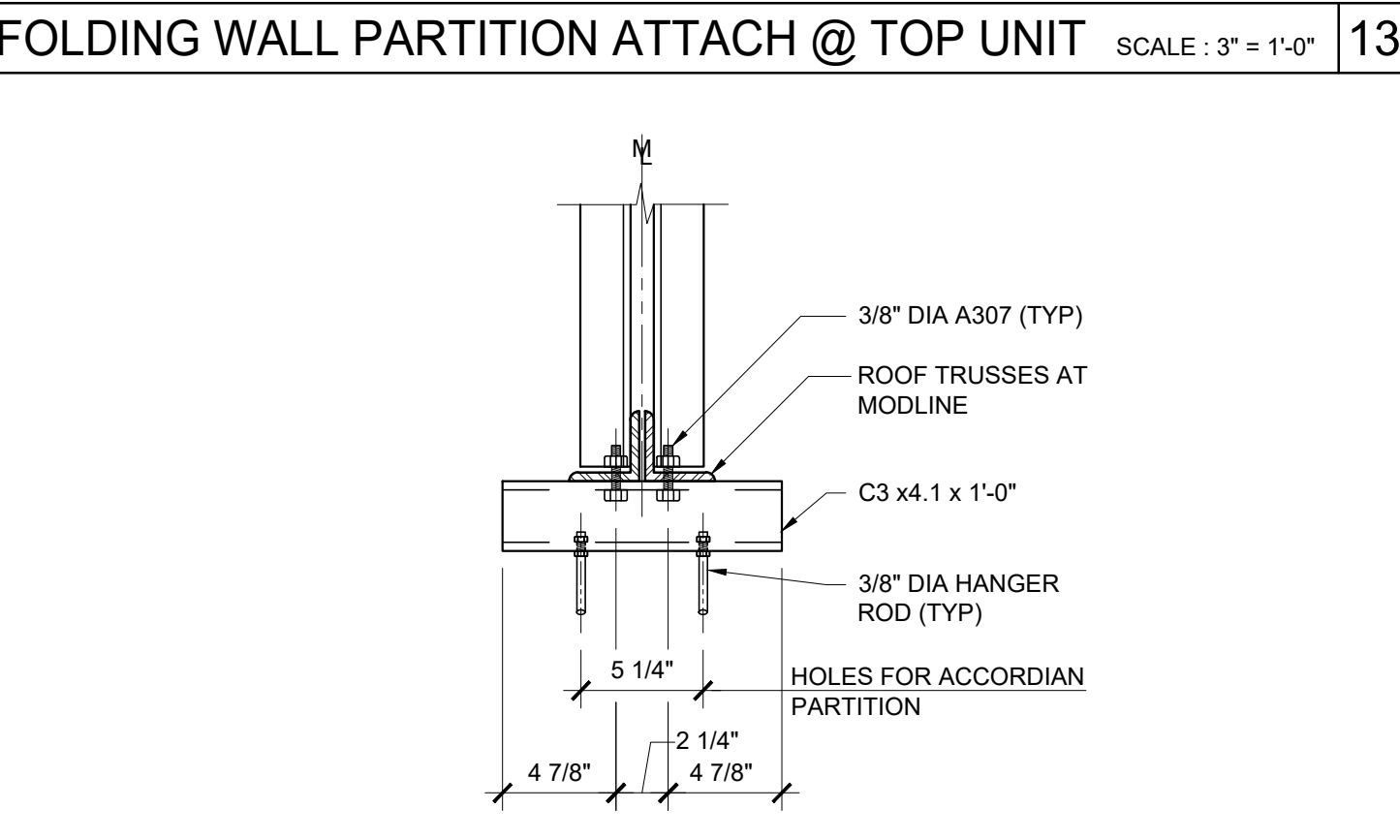


WATER HEATER SHELF

AT STEEL STUD

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

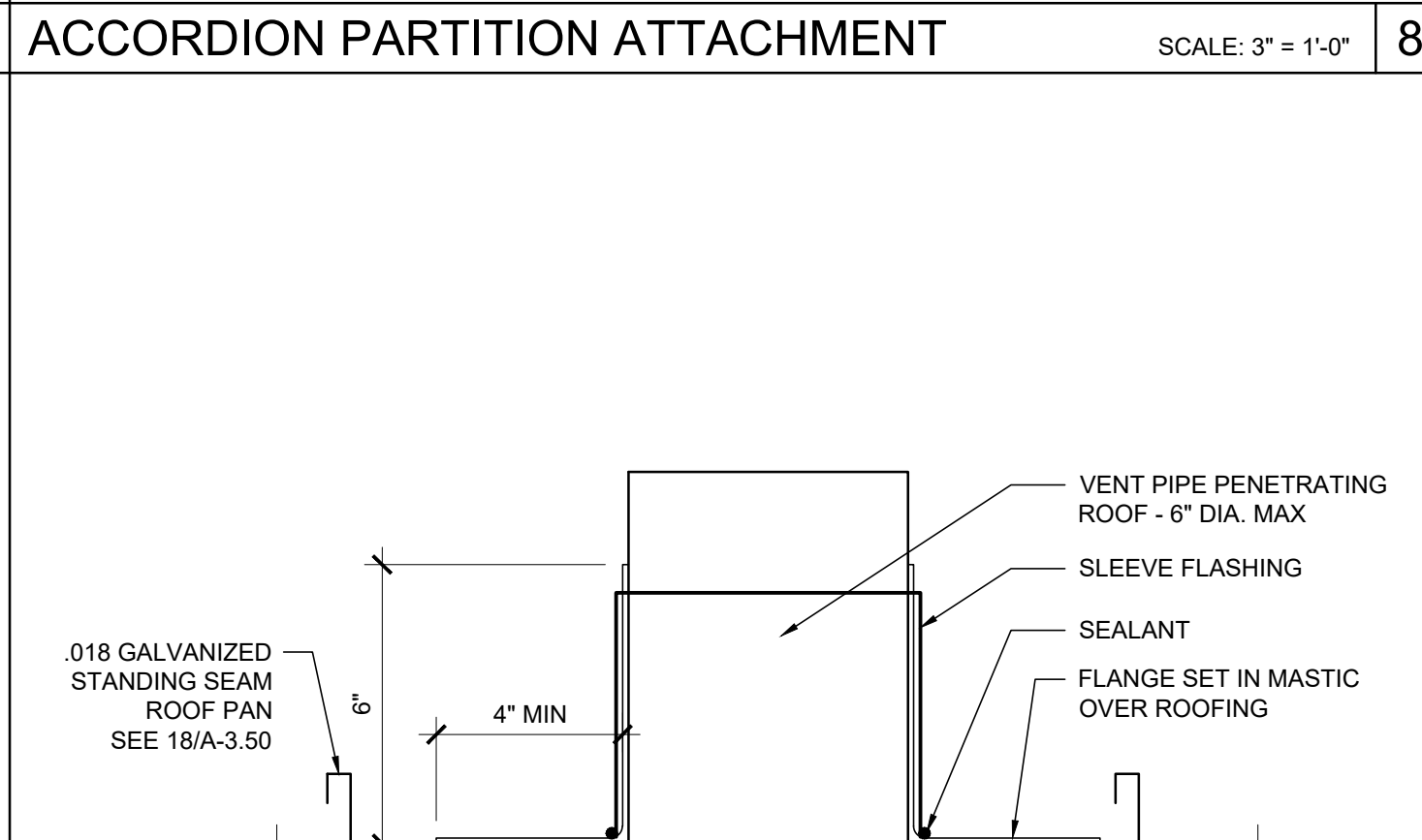
19



TRUSS SUPPORT @ HANGER ROD

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

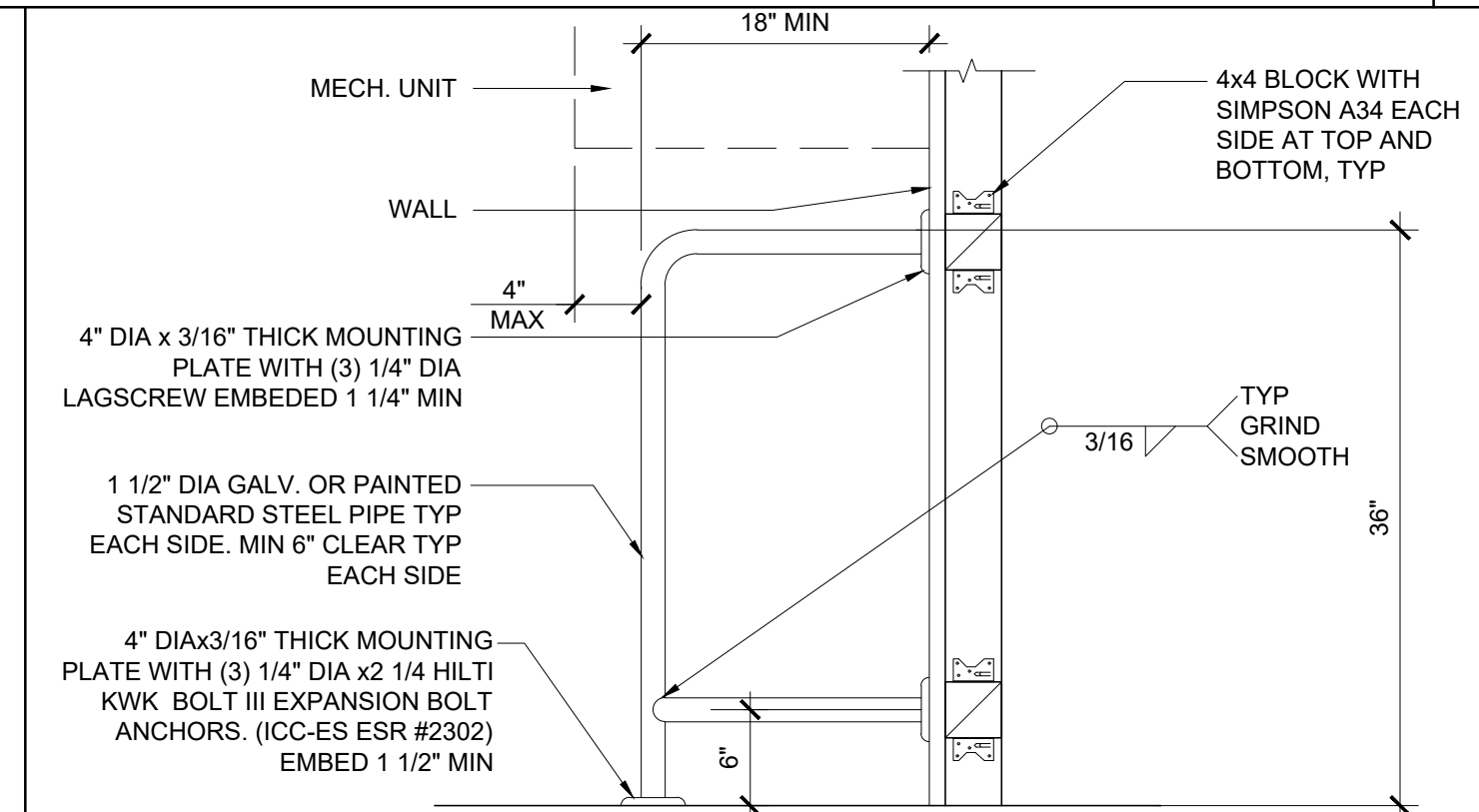
14



PIPE PENETRATION THROUGH ROOF

SCALE : 3" = 1'-0"

10

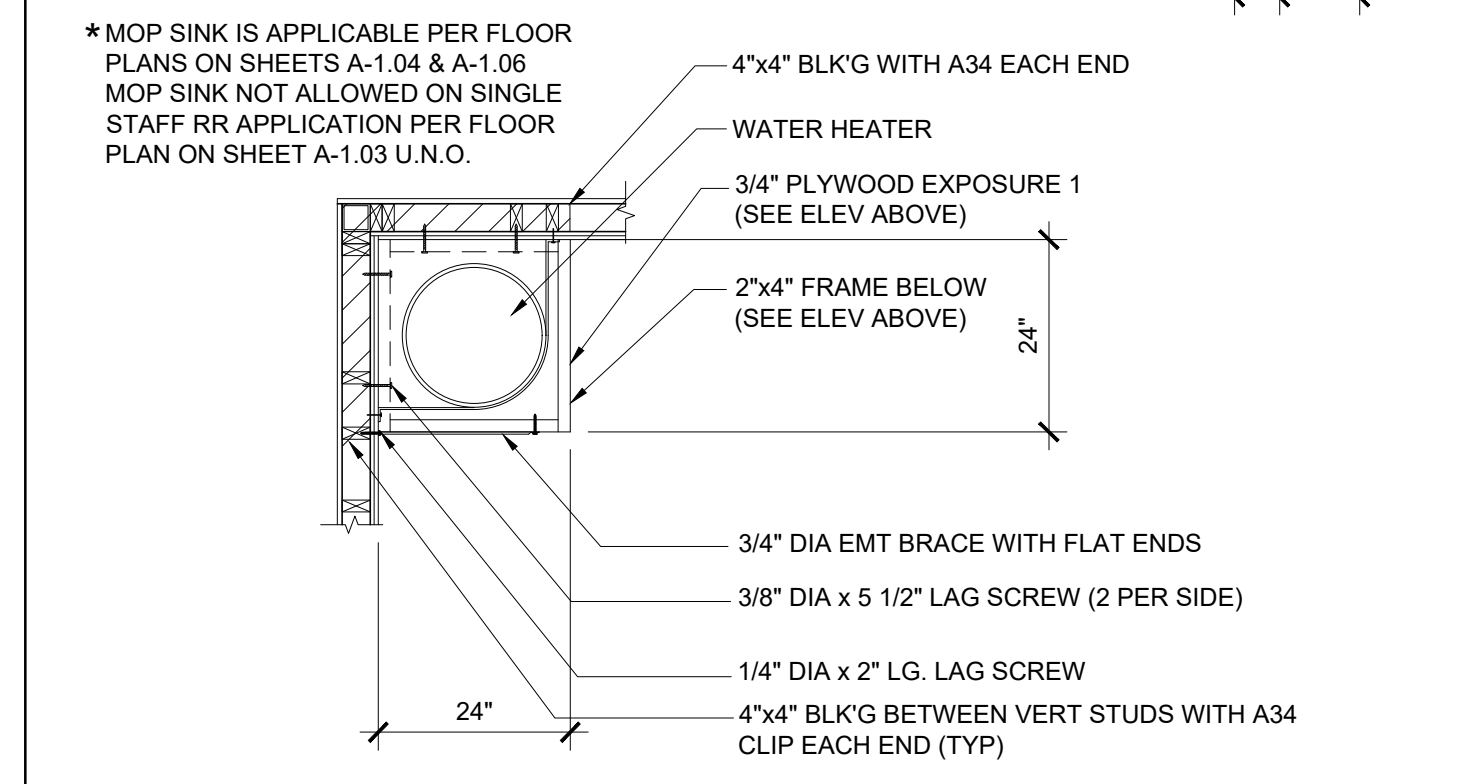
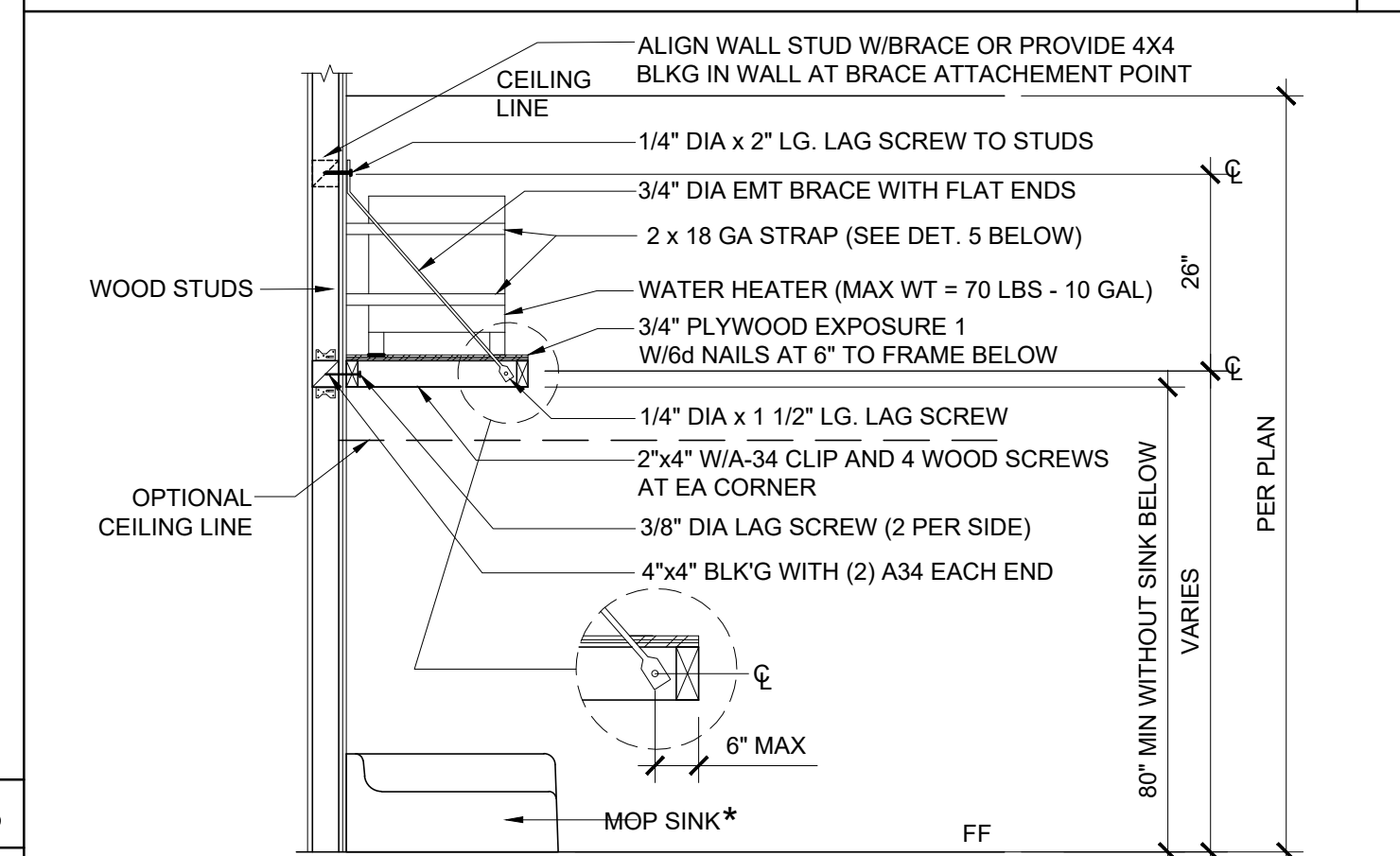


HVAC BARRIER - OPT. D.F. BARRIER

AT WOOD STUD

SCALE : 1" = 1'-0"

2

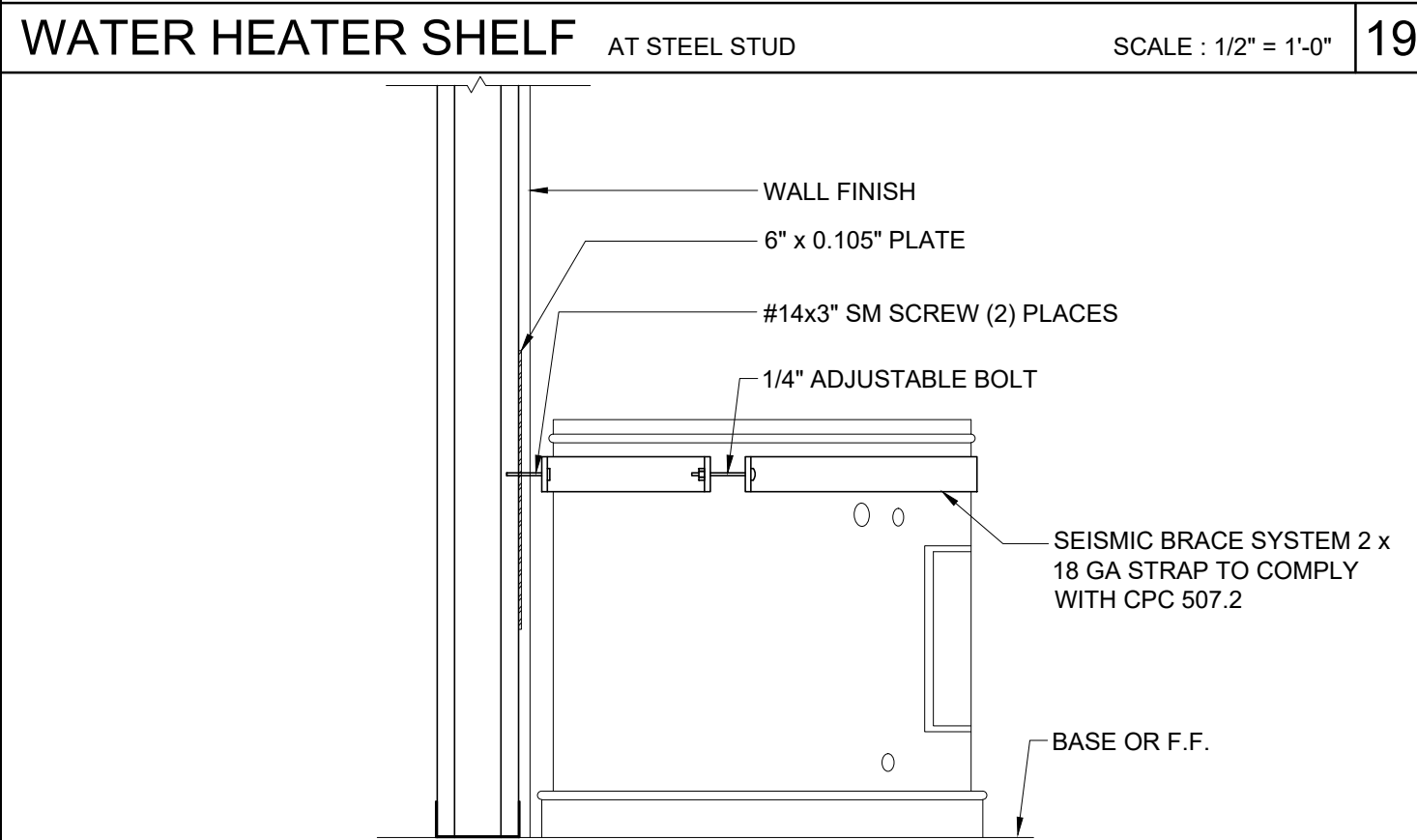


WATER HEATER BRACING

AT WOOD STUD

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

4

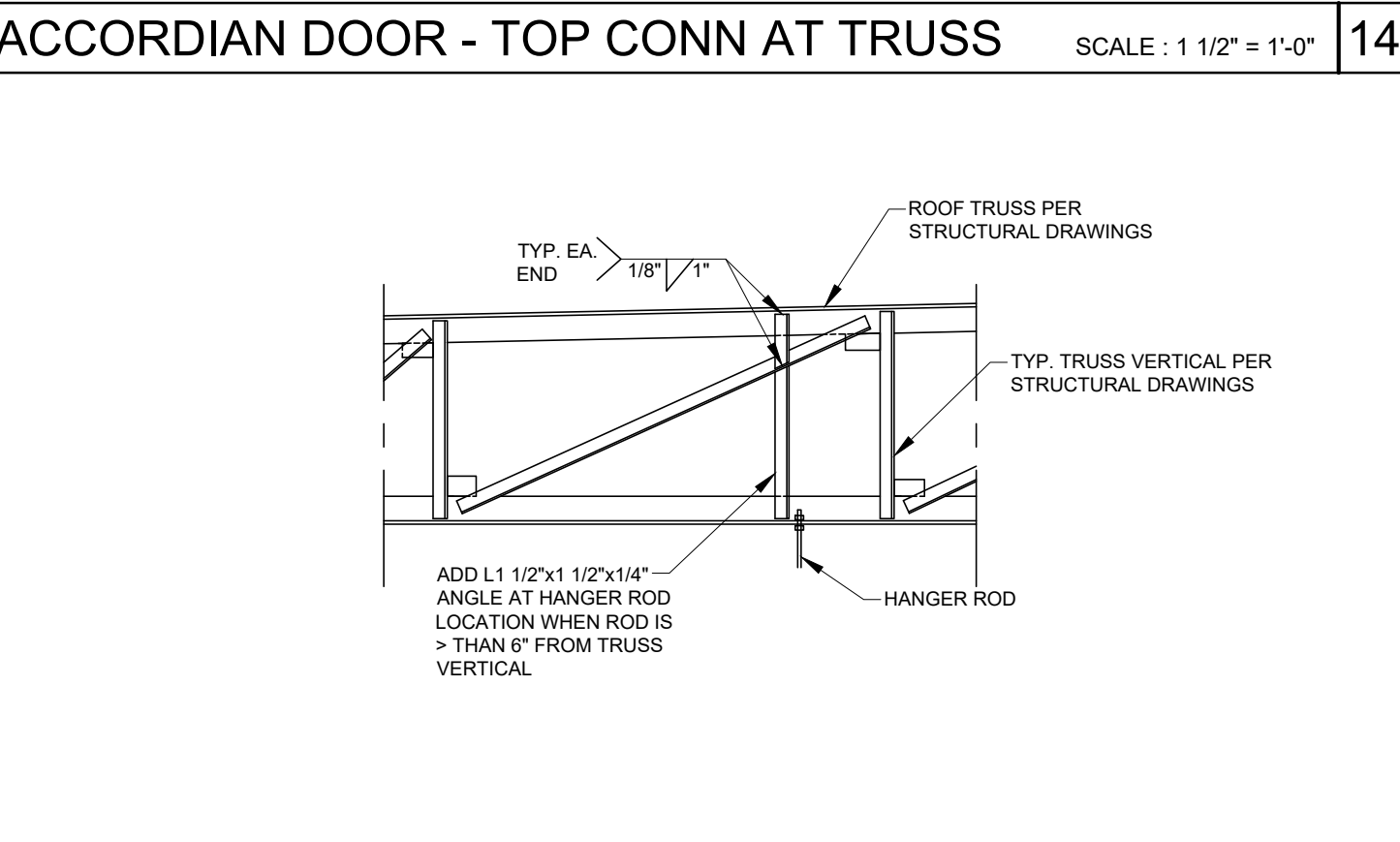


WATER HEATER BRACING

AT STEEL STUD

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

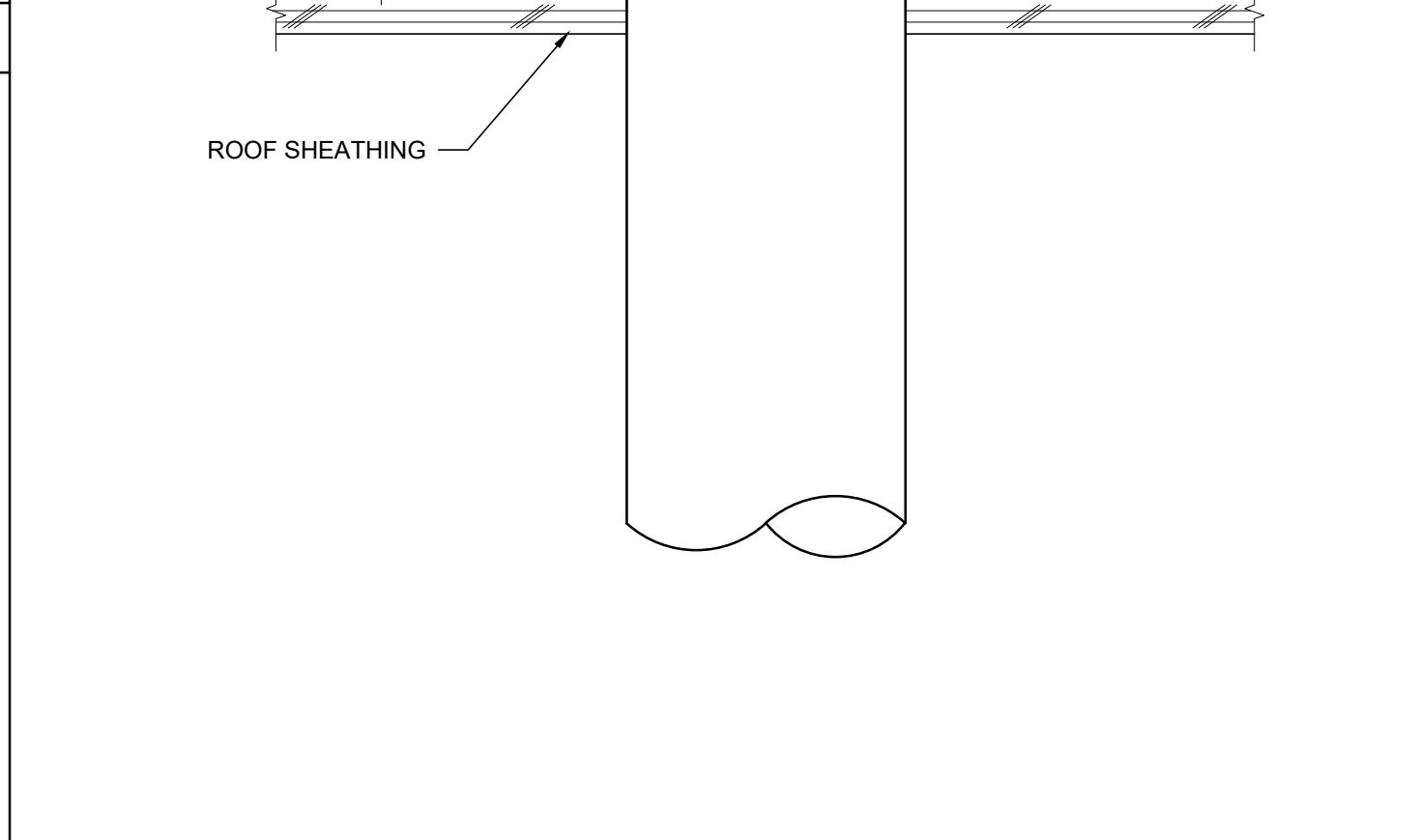
20



TRUSS SUPPORT @ HANGER ROD

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

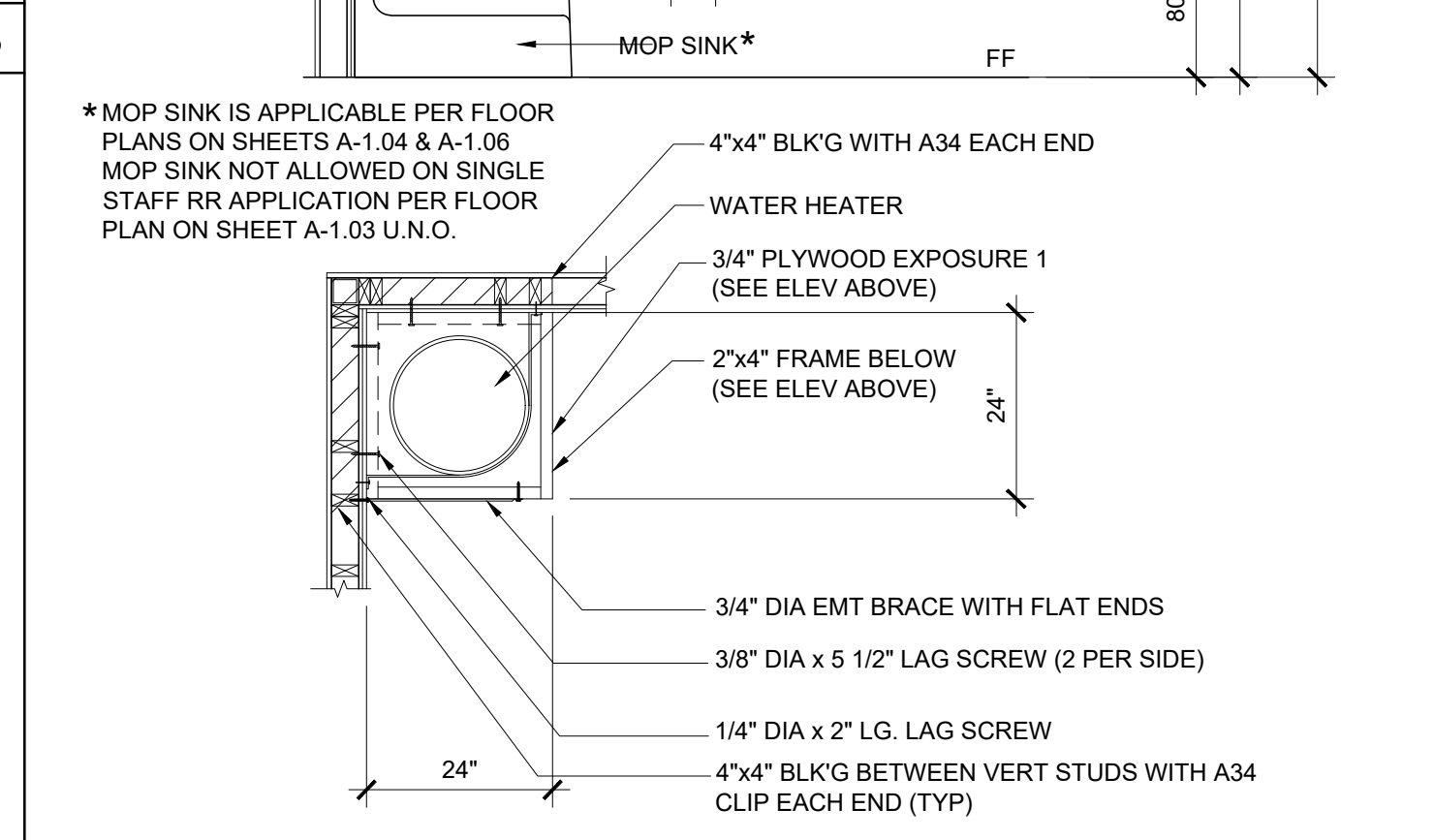
14



PIPE PENETRATION THROUGH ROOF

SCALE : 3" = 1'-0"

10



WATER HEATER SHELF

AT WOOD STUD

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

4

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

ARCHITECTURAL
DETAILS
MISCELLANEOUS/OPTIONS

REVISIONS

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

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

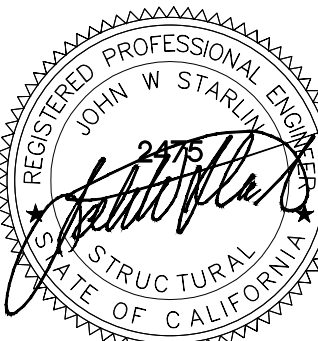
PC STATE AGENCY APPROVAL



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

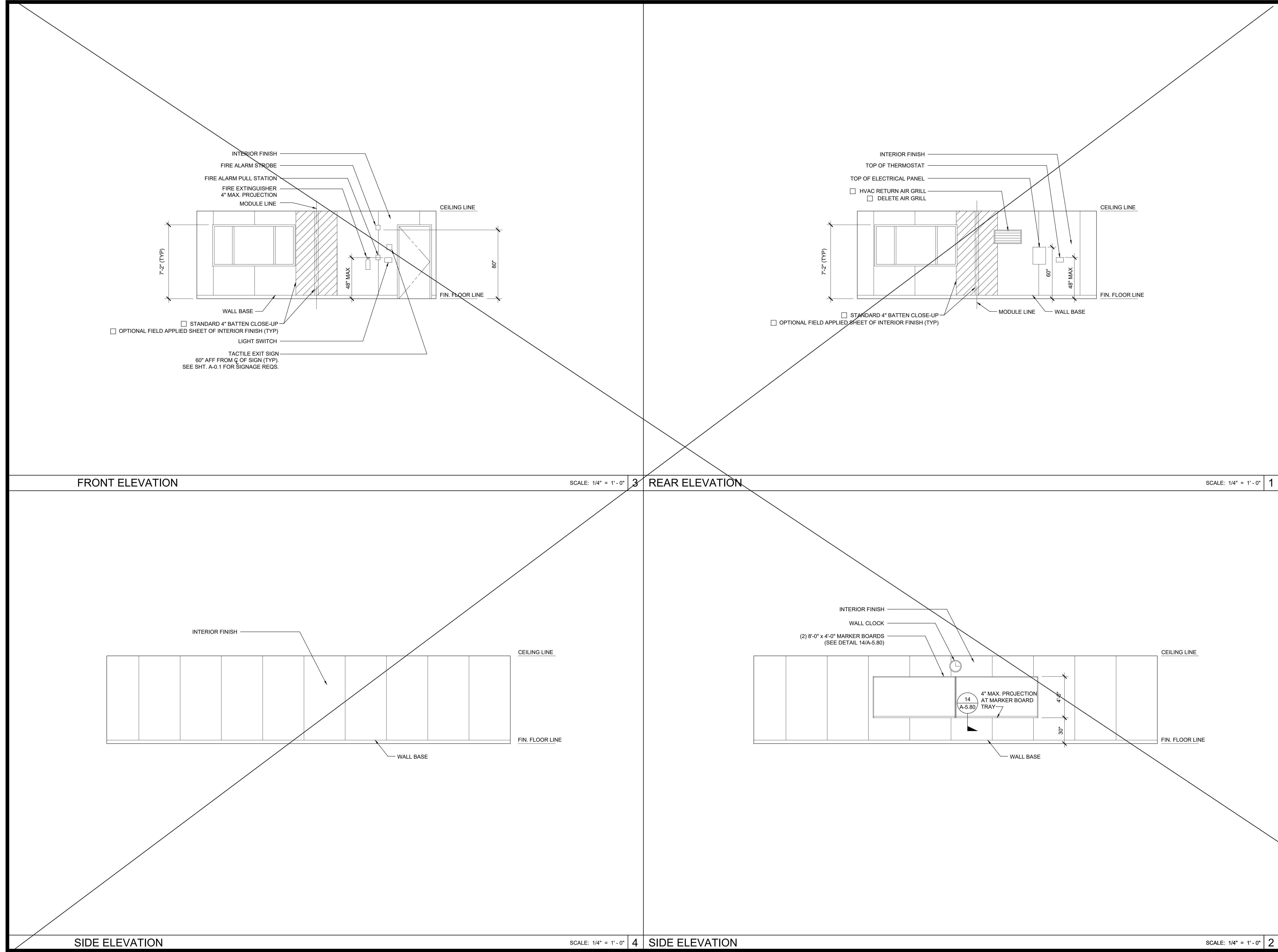
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SCALE: AS NOTED

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P.C. SHEET NUMBER

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PROJECT NAME:

SHEET TITLE:


INTERIOR ELEVATION
24' x 40'

REVISIONS


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

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MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

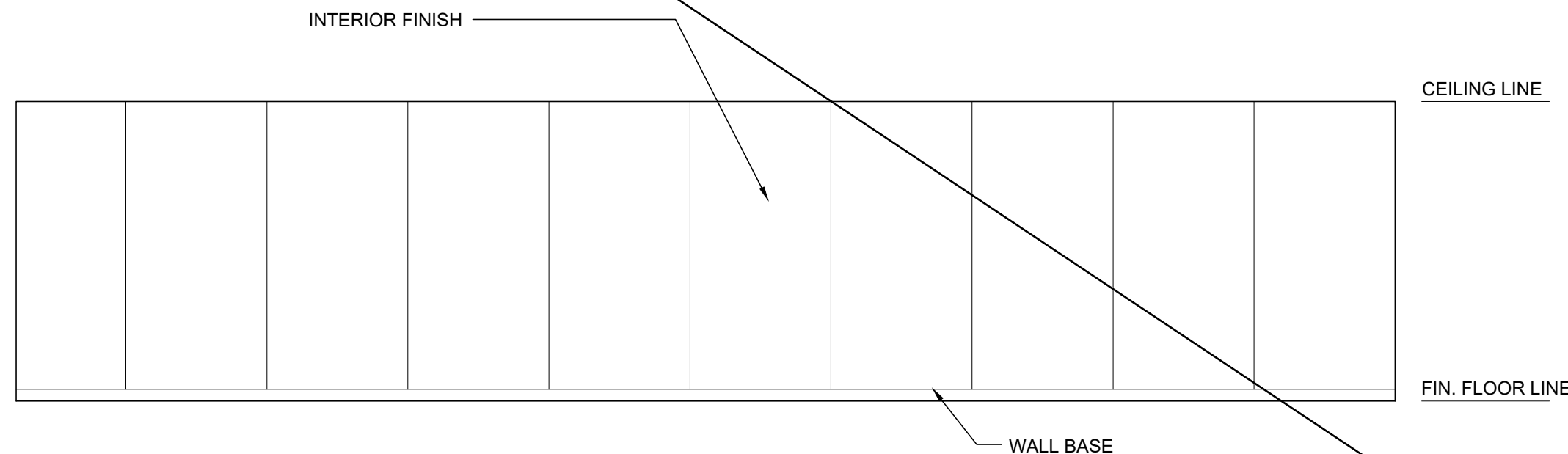
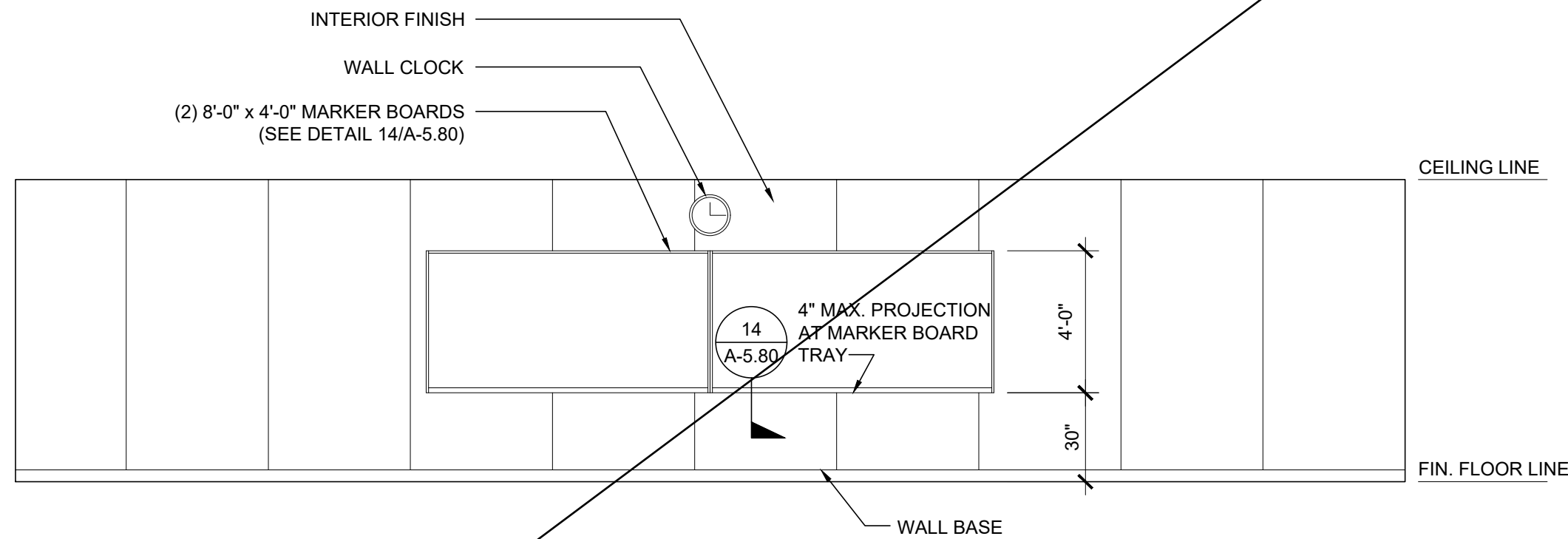
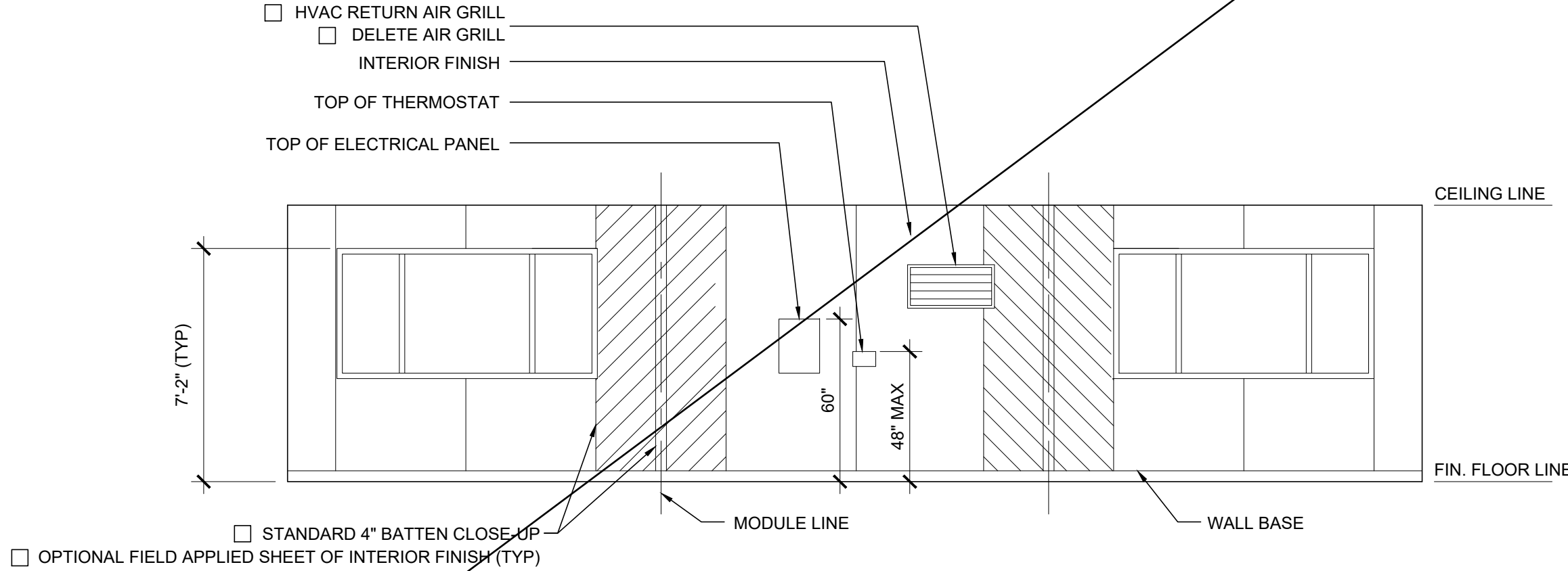
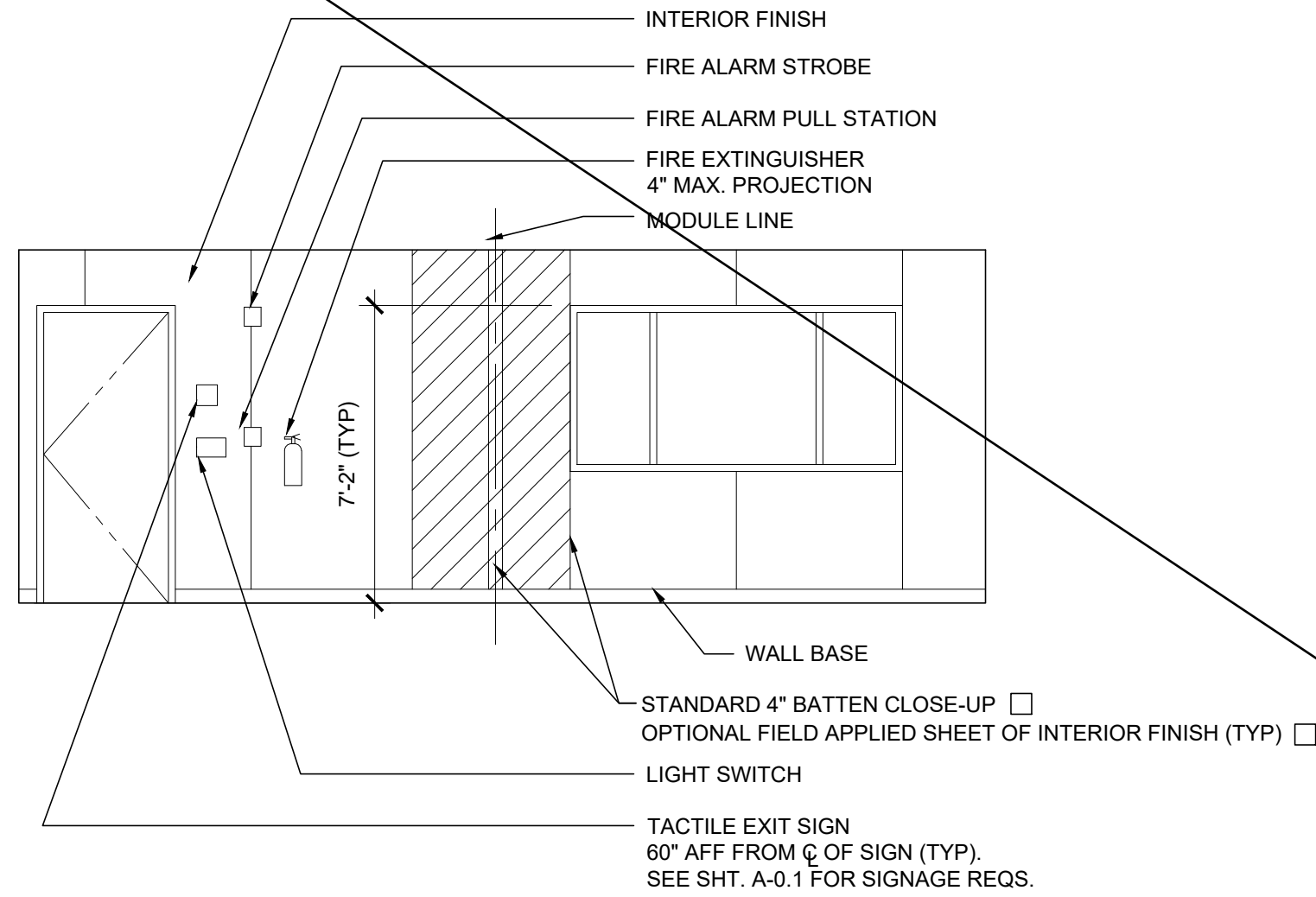
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SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-6.01



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PROJECT NAME:

SHEET TITLE:

INTERIOR ELEVATION 36' x 40'

REVISIONS

1	
2	
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PRE-CHECK (PC) DOCUMENT
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A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
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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-6.02

FRONT ELEVATION

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

3

REAR ELEVATION

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

1

SIDE ELEVATION

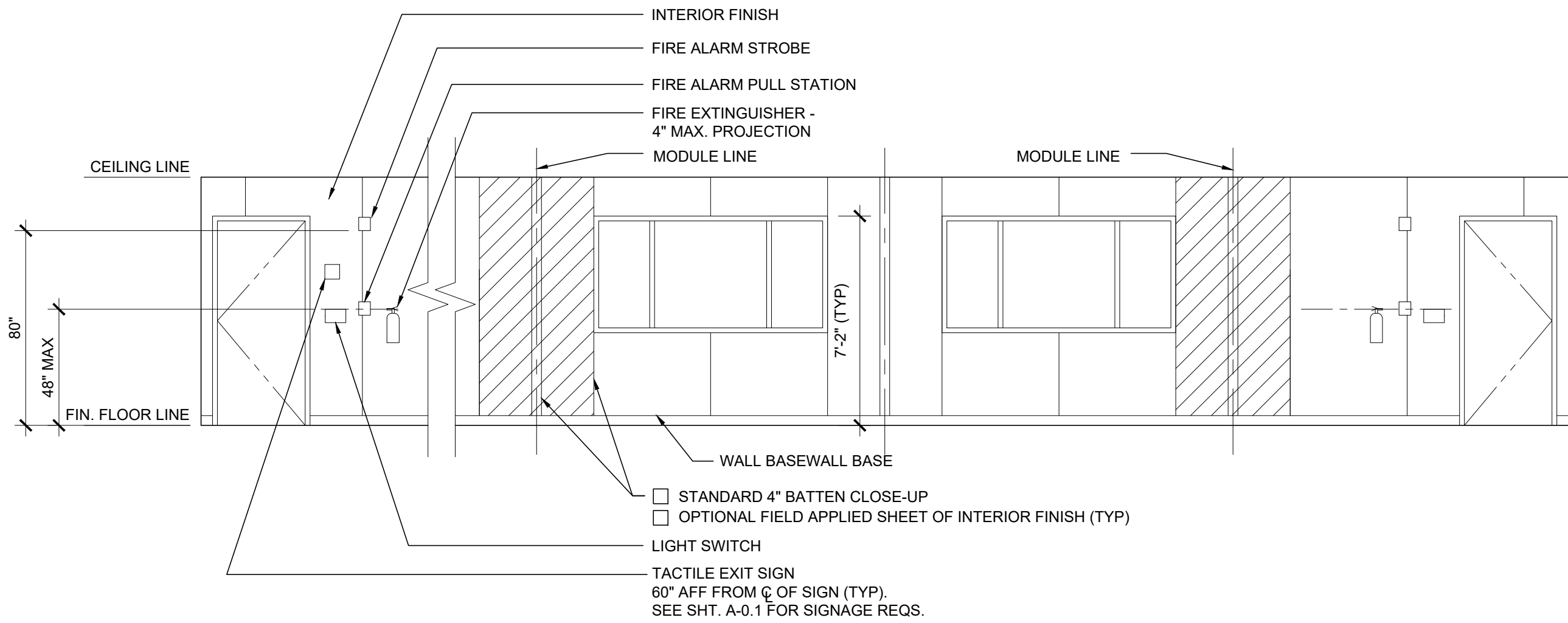
SCALE: 1/4" = 1' - 0"

4

SIDE ELEVATION

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

2

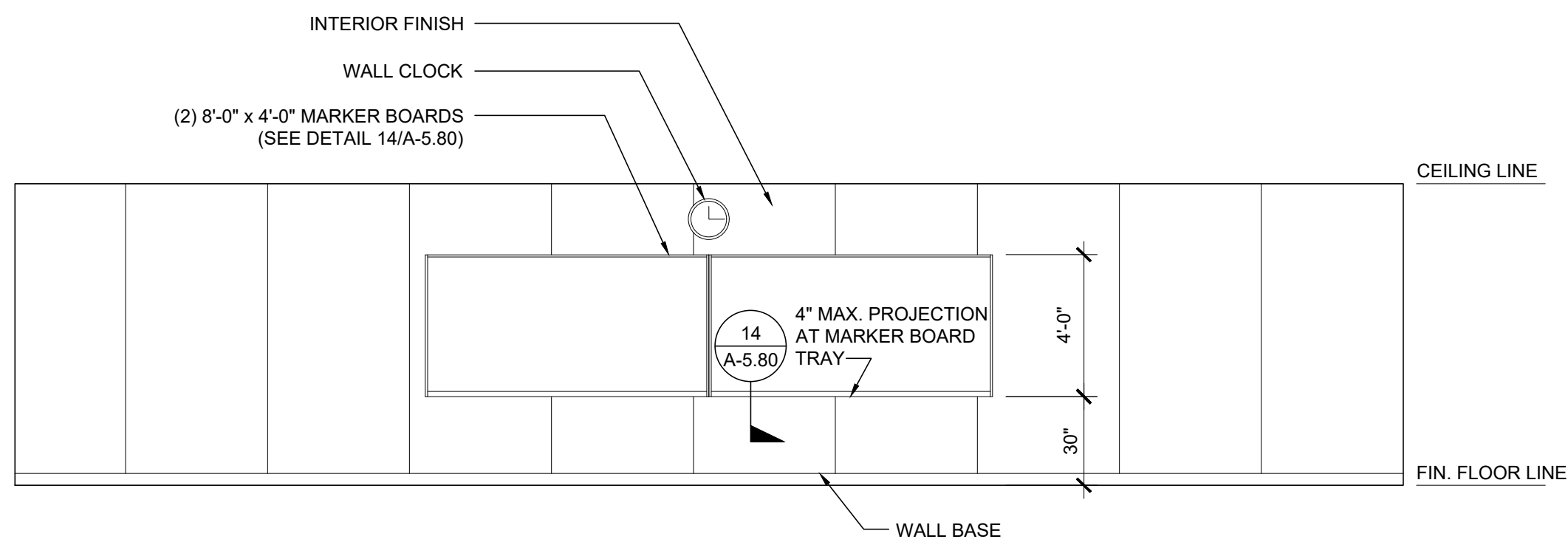


FRONT ELEVATION

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

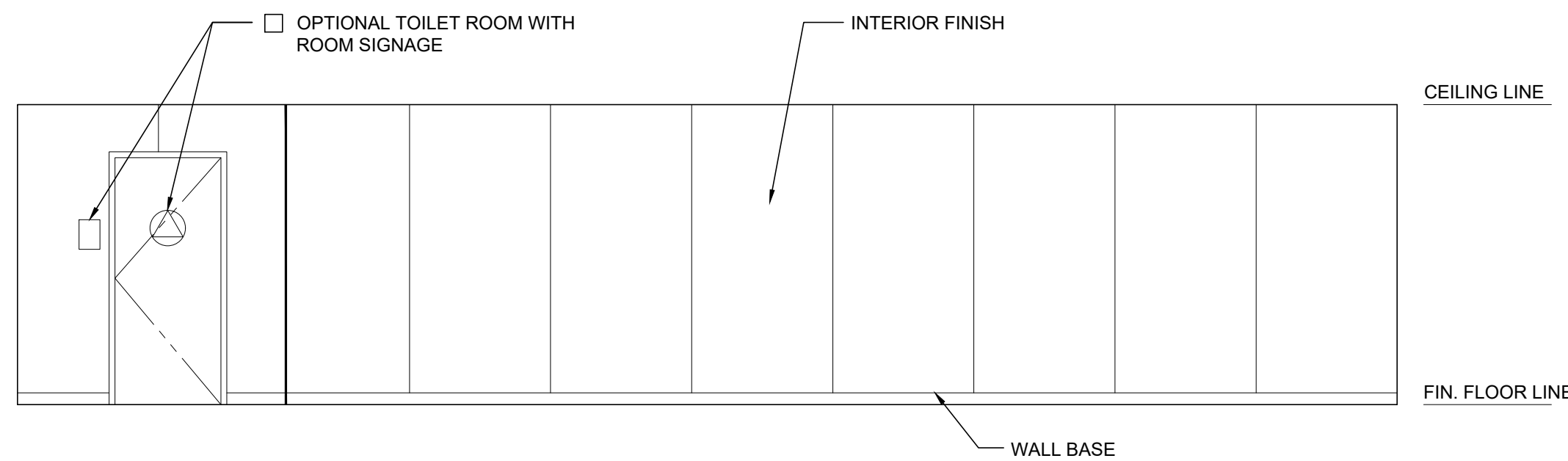
REAR ELEVATION

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



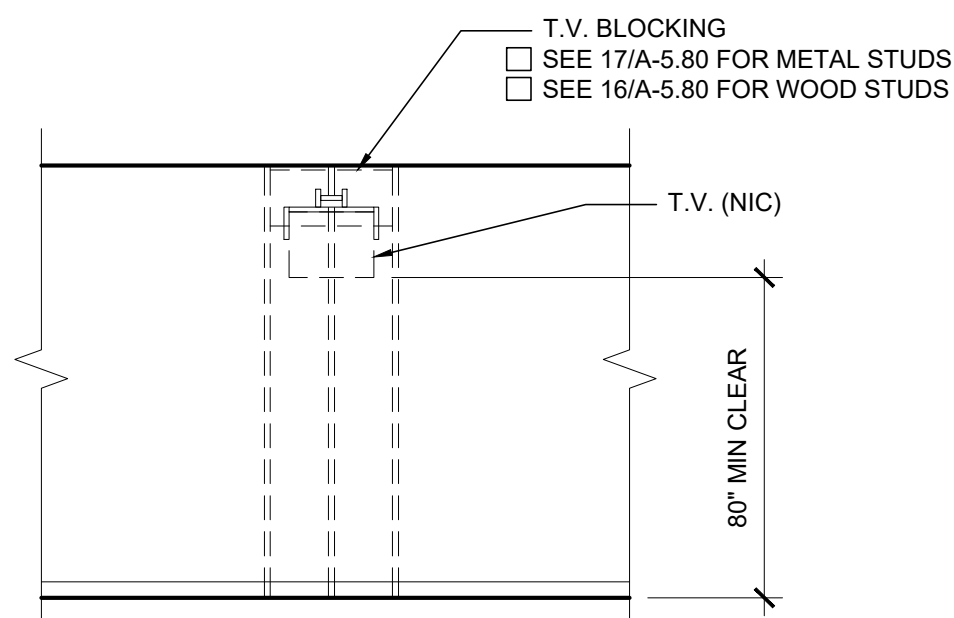
SIDE ELEVATION

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



SIDE ELEVATION

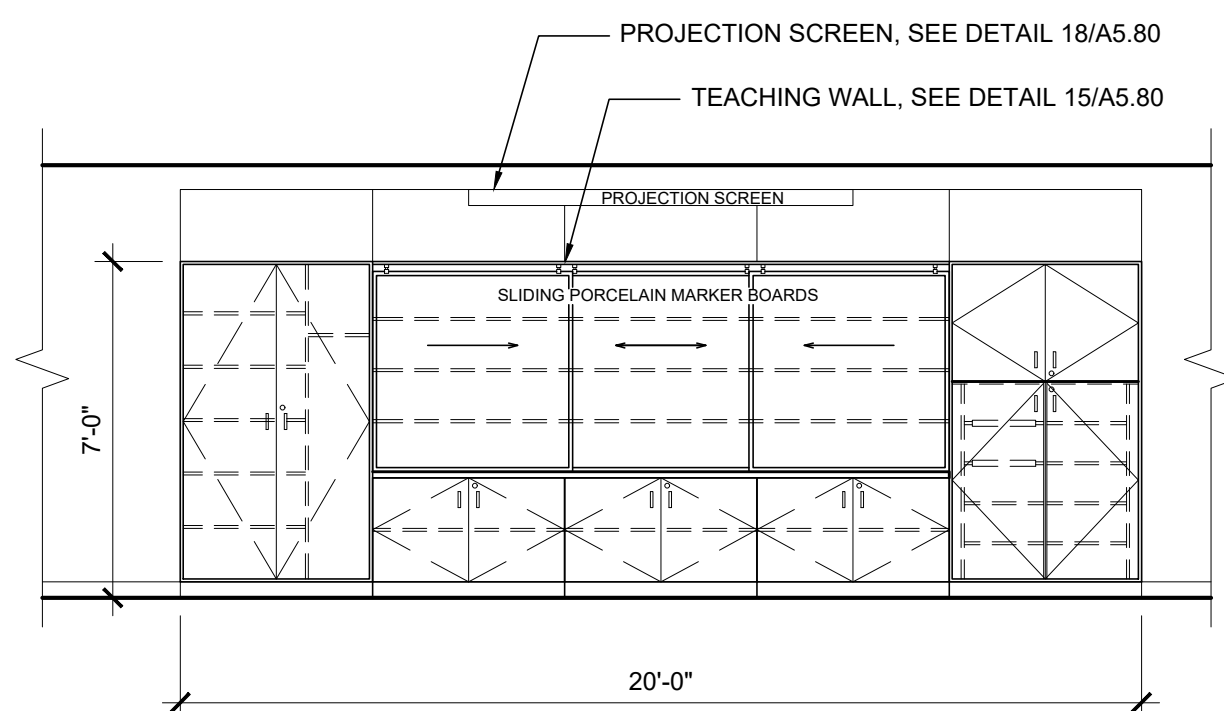
SCALE: 1/4" = 1' - 0"



REF: A1.03

TELEVISION BLOCKING OPTION

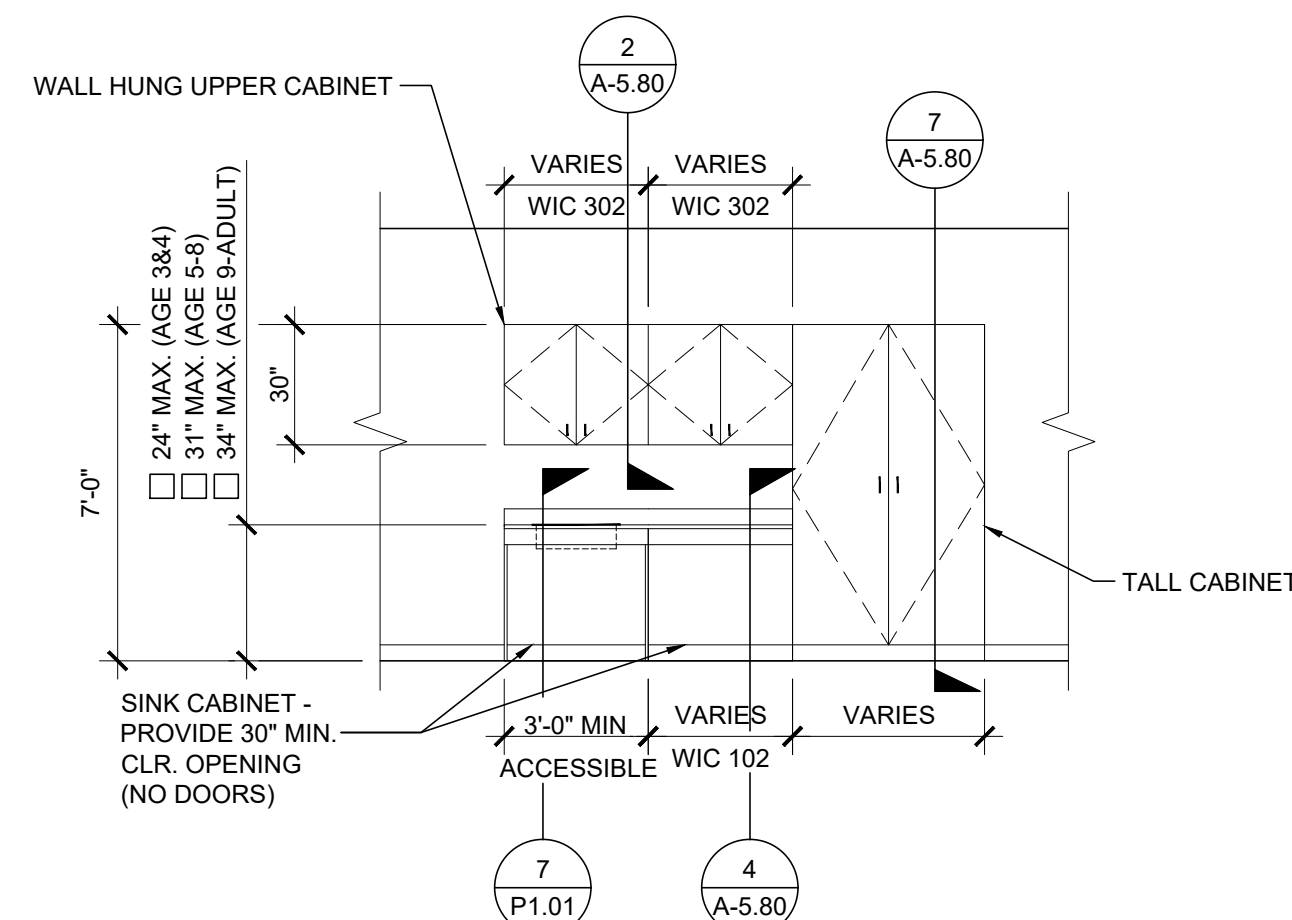
SCALE: 1/4" = 1' - 0"



REF: A1.03

TEACHING WALL OPTION

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



REF: A1.03

CASEWORK OPTION

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

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PROJECT NAME:

SHEET TITLE:

INTERIOR ELEVATION
48' TO 120' x 40'

REVISIONS

1
2
3
4
5

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

DRAWN BY:

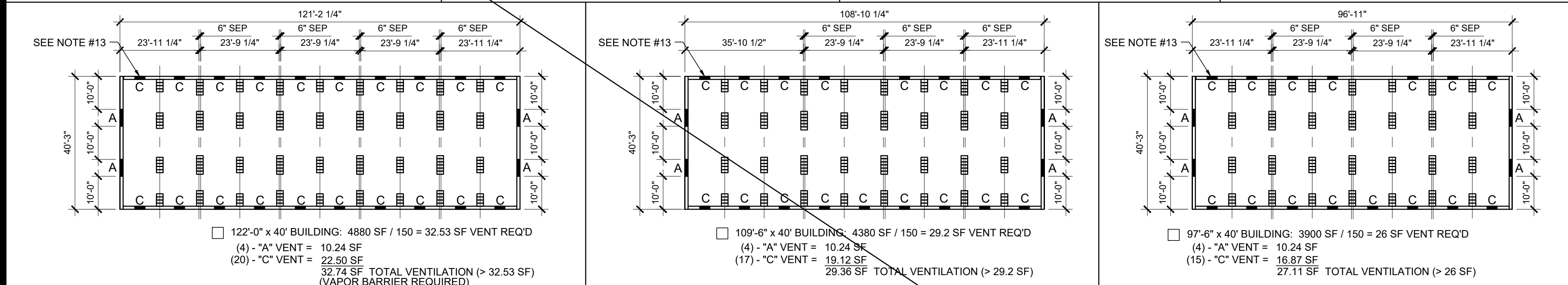
SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-6.03

KEY PLAN VENTING CALCULATIONS w/o PARAPET



WOOD FOUNDATION PLATE SCHEDULE

KEY PLAN VENTING SCHEDULE	FOUNDATION PLATE DESCRIPTION
---------------------------	------------------------------

[illegible]

*VENT OPENING

SHIM AS NEEDED. SAME WIDTH AS PLATE ABOVE

TOP PLATE

VENT "B" (ENDWALL): 3'-0" x 3" = 0.75 S.F. VENTILATION

(OPTIONAL AT



BLOCK PLATE

SILL PLATE
(2x12 OR 2x14)

VENT "C" (ENDWALL): 3'-0" x 4.5" = 1.125 S.F. VENTILATION


SETS)	ABOVE CONT. SILL AND BLOCK PLATE"	<h2>NOTES</h2> <ol style="list-style-type: none"> 1. BUILDINGS OVER 2,160 SF, MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION RETAINING ITEMS.
-------	-----------------------------------	--

SETTING MULTIPLE MODULAR FLOORS.

	/
--	---



SETS)	ABOVE CONT. SIDE AND BLOCK PLATE	

- 13'-5"  SIDEWALL SILL PLATE

	(2) 16d BOX NAILS
--	-------------------

VENTING SCHEDULE

	BUILDING	BUILDING	REQUIRED	SIDE	TOTAL VENTING
--	----------	----------	----------	------	---------------

TIE PLATE SCHEDULE (14 / F-0.50B)

[illegible]

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

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE

PROJECT NAME:

[illegible]

Figure 1

Figure 1

SHEET TITLE: WOOD

24x40

REVISIONS

3

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FOR CONSTRUCTION IS REQUIRED

APP. 04-121999 INC:
REVIEWED FOR

DATE: 08/31/2023

Silver Creek
2830 BARRETT AVE BERRIS, CALIFORNIA 92571

[illegible][illegible][illegible]

MODULAR BUILDING DESIGN PROFESSIONAL

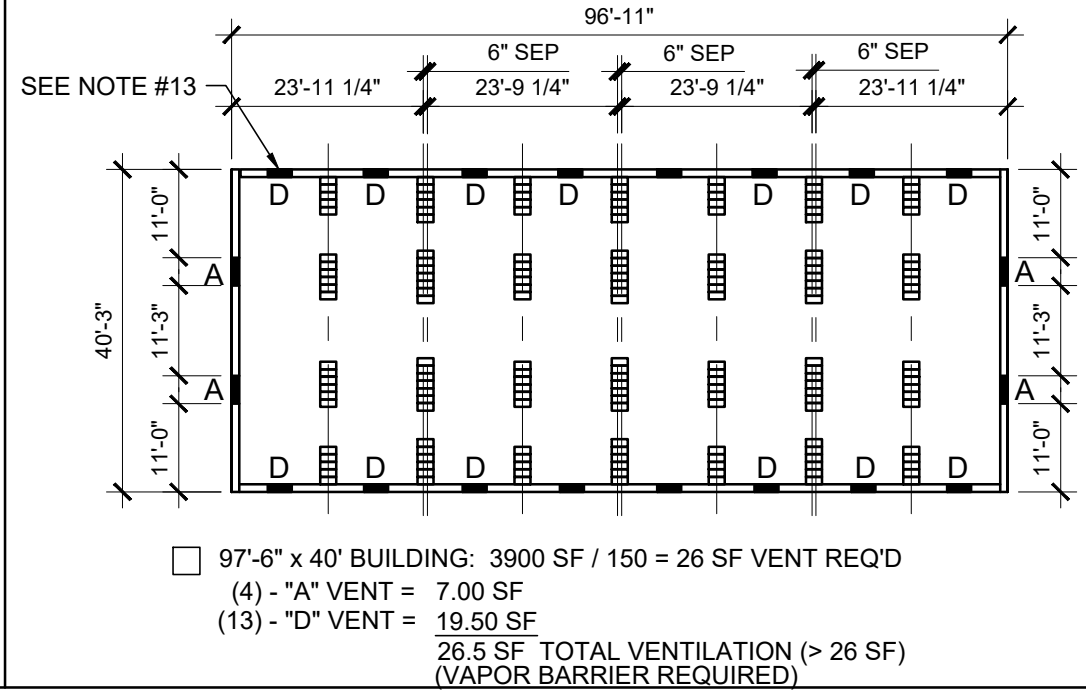
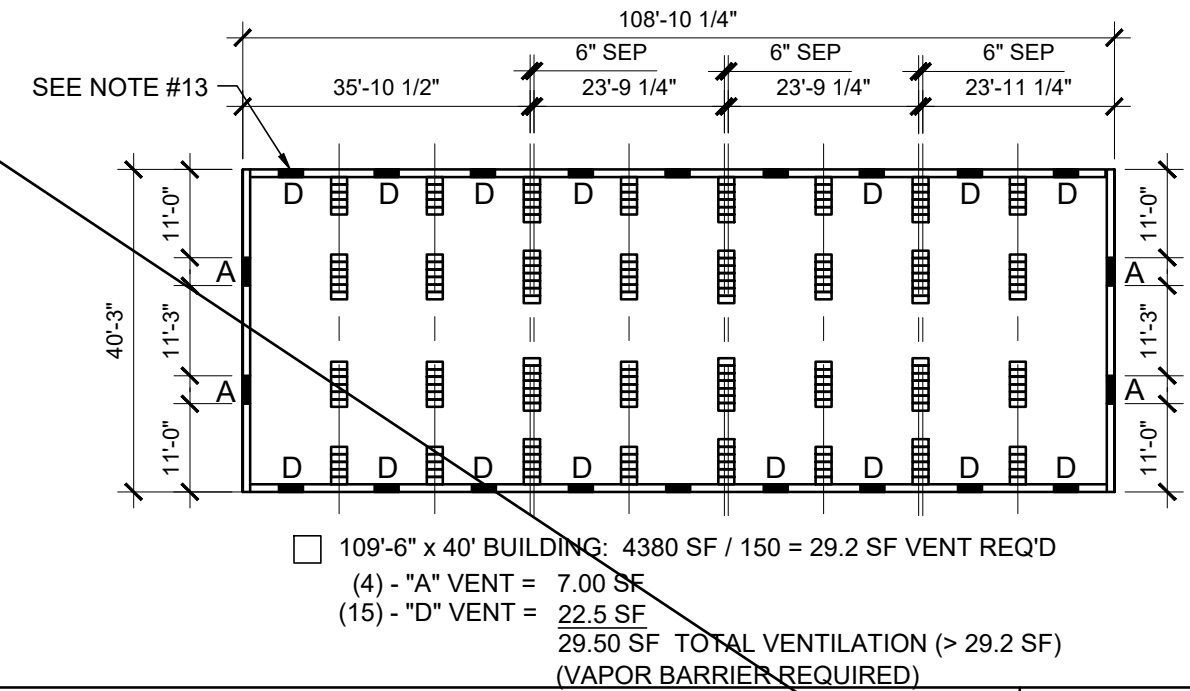
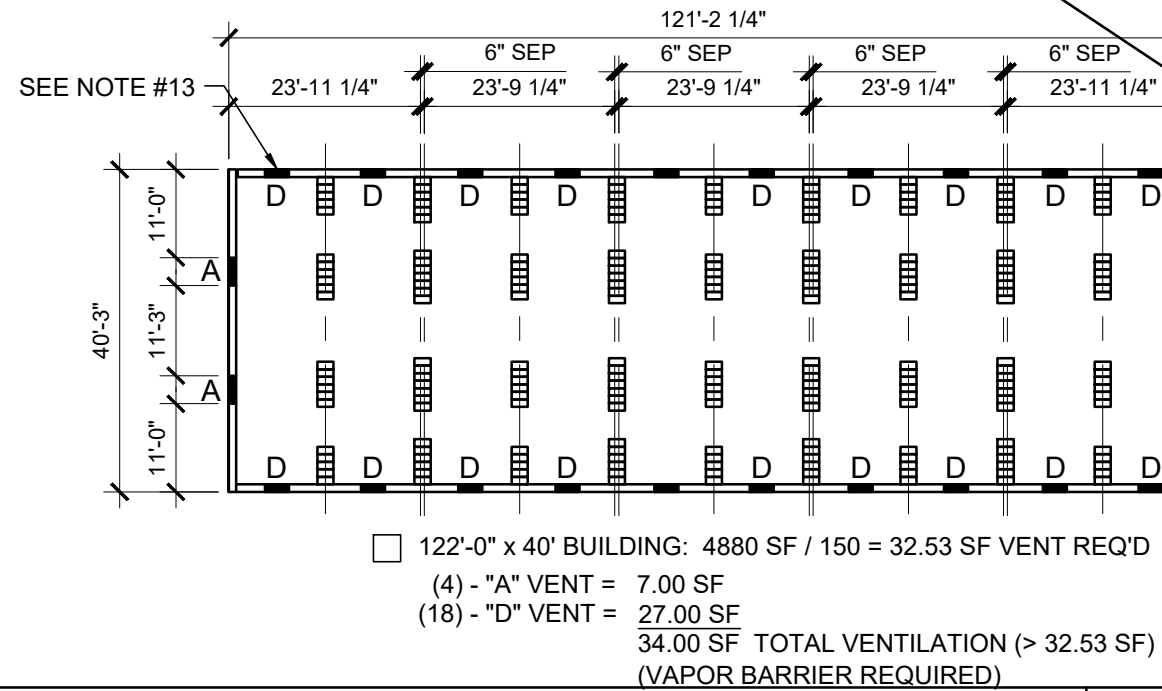
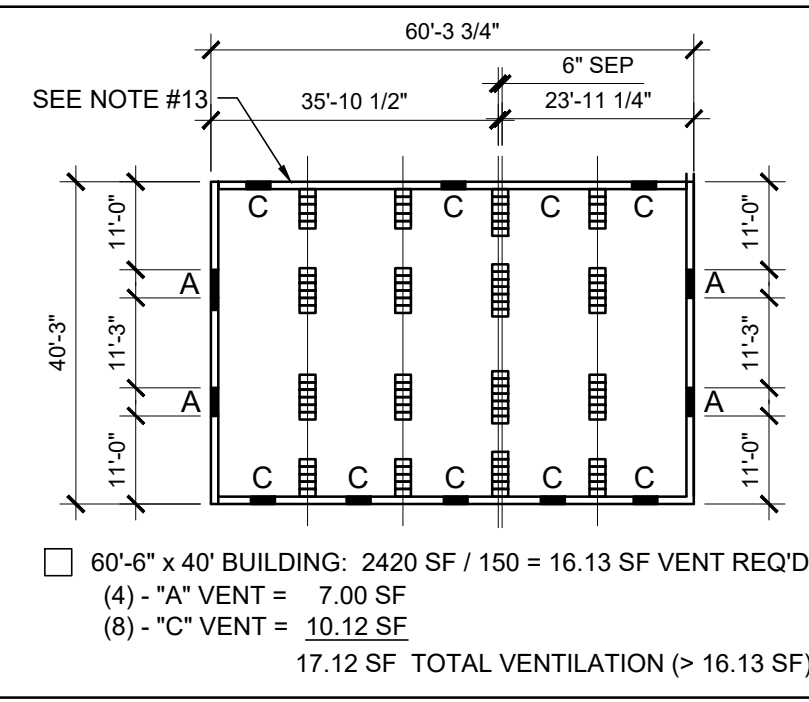
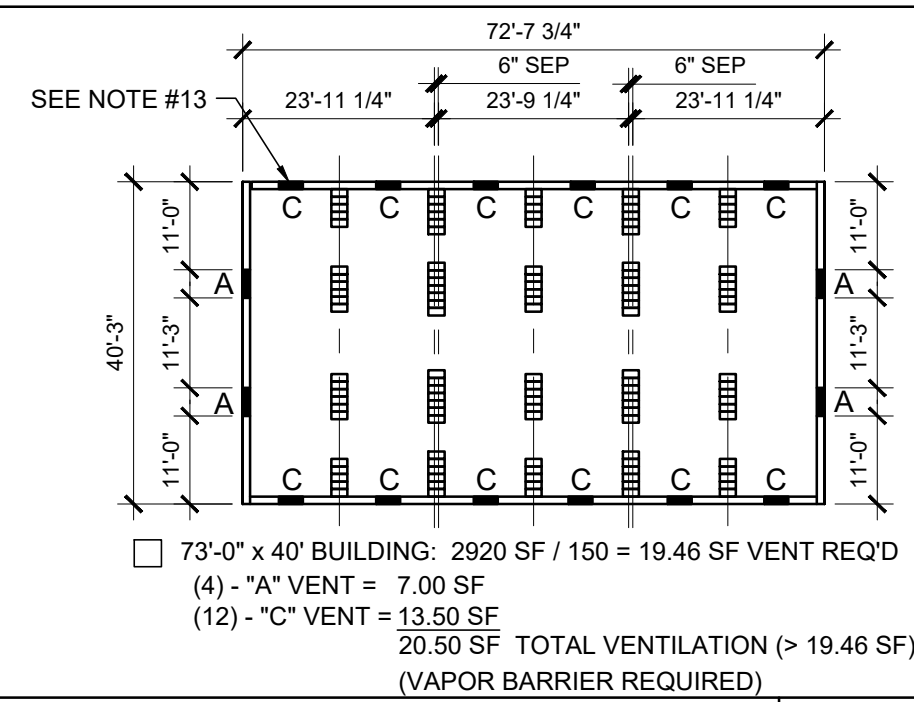
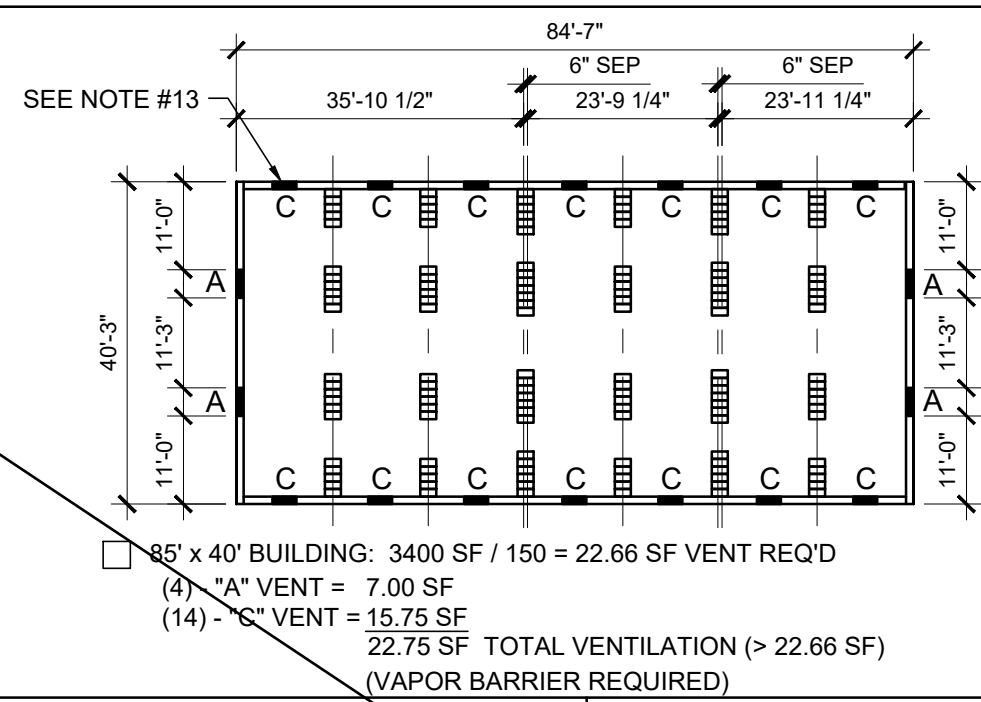
PROJECT NO: _____

DATE: 02-27-2023

E-001	
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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) ⁽⁵⁾	2x12 (2x14) ⁽⁵⁾	2x12 x 2'-0"	2x12 x 2'-0"	(2) ROWS OF 2x14	2x12 x 2'-0"	(2) ROWS OF 2x14	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" = 0.68 S.F. VENTILATION

"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATE"

VENT "C" (ENDWALL): 3'-0" x 4 1/2" = 1.125 S.F. VENTILATION

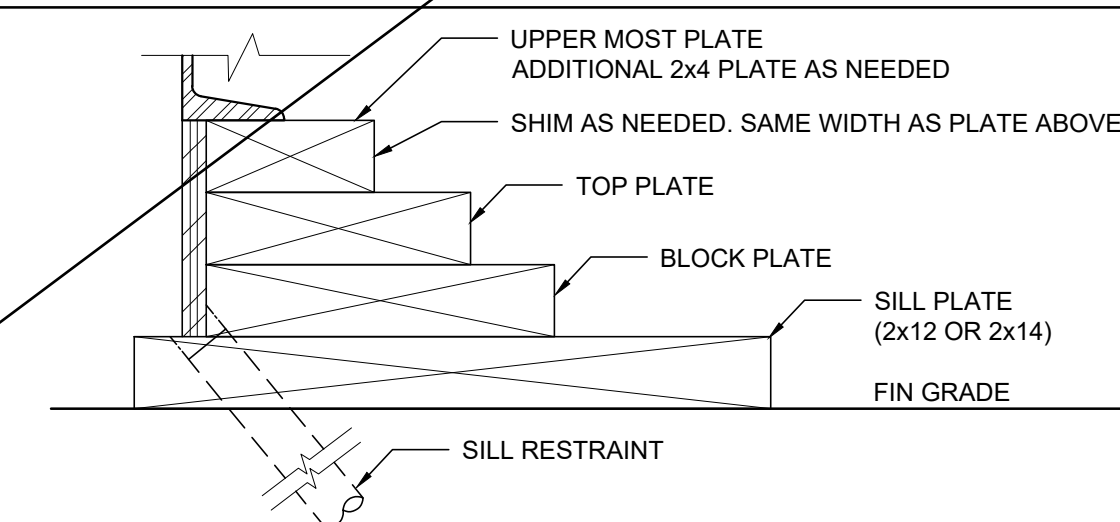
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

VENT "D" (ENDWALL): 3'-0" x 6" = 1.5 S.F. VENTILATION

"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. ADDITION 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 NAILLED 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'	960 SF	6.4 SF (1/150)	3'-6" x 6" = (4) 1.75 SF/EA	-	7.0 SF
W/ PARAPET	24' x 40'	960 SF	6.4 SF (1/150)	3'-0" x 6" = (4) 1.5 SF/EA (6 SF TOTAL)	3'-0" x 3" = (2) 1.5 SF (7.5 SF TOTAL)	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

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

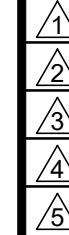
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SHEET TITLE:

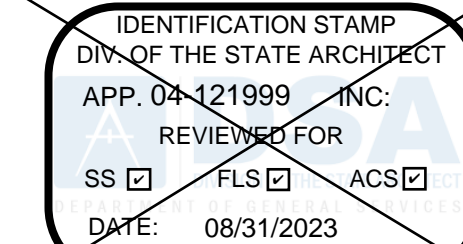
WOOD FOUNDATION PLAN

24x40
(50+15 PSF)

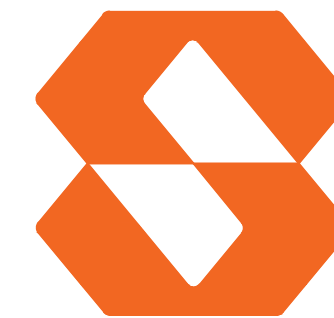
REVISIONS



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:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

F-0.02

FOOTING AT SEPARATION

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

FOOTING AT SEPARATION

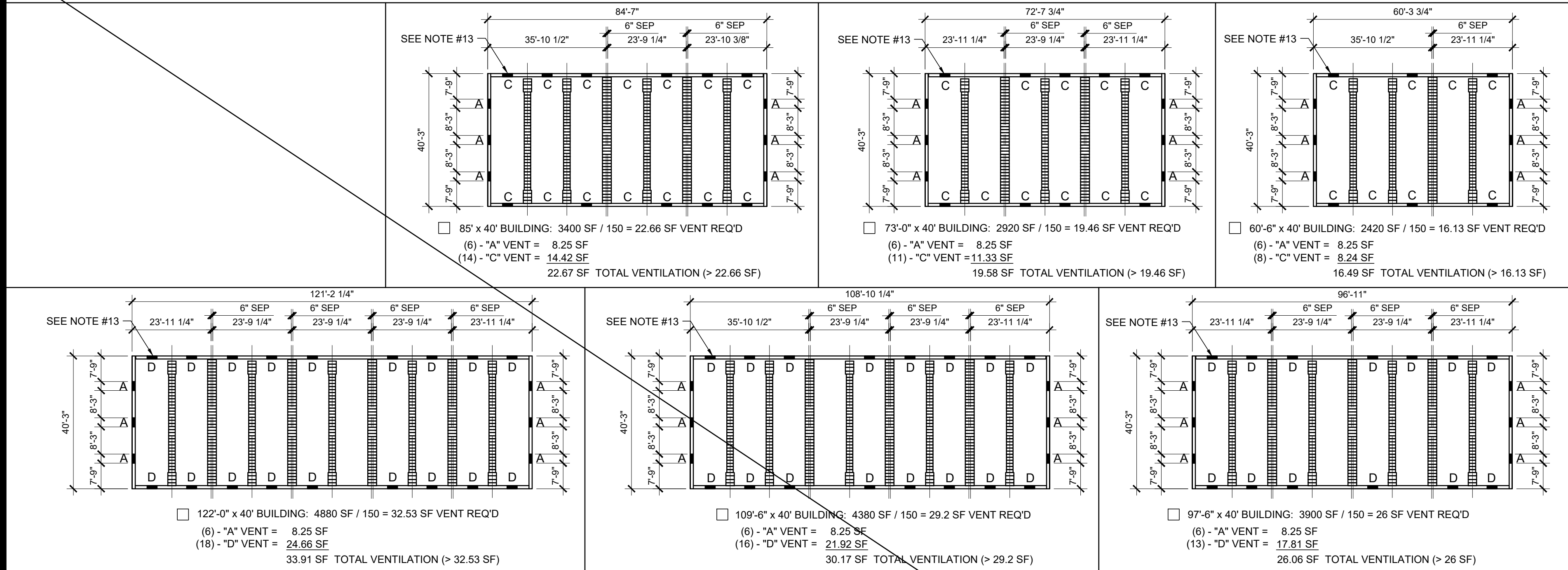
SCALE: 1/4" = 1' - 0"

FOUNDATION PLAN

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

1

KEY PLAN VENTING CALCULATIONS



WOOD FOUNDATION PLATE SCHEDULE

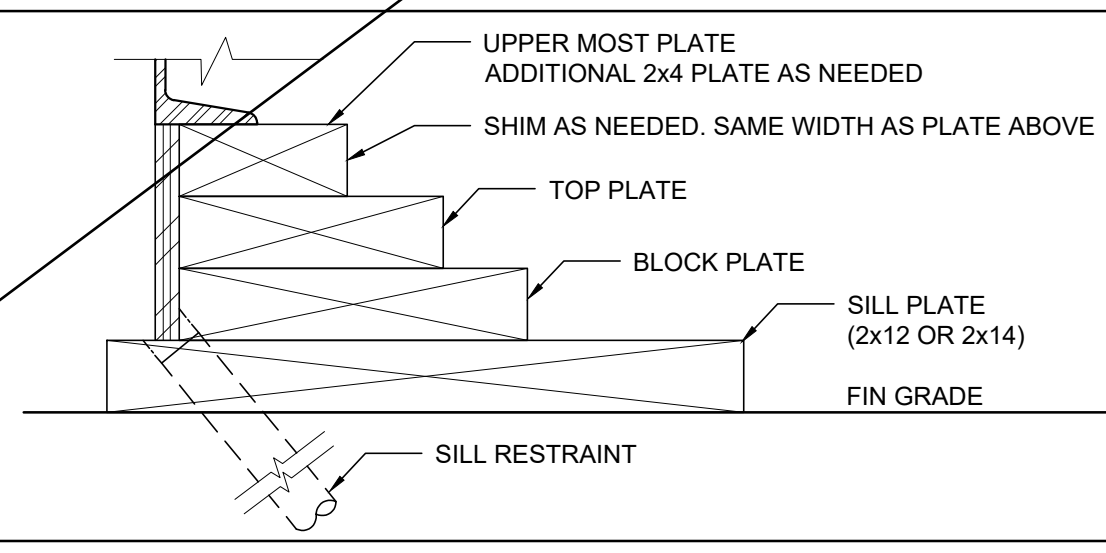
150 PSF						
PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT INTERIOR	PLATES AT SEPARATION	
ADDITIONAL (AS NEEDED)	2x4	2x4	2x6	2x6	<input type="checkbox"/> SEPARATE	<input type="checkbox"/> CONTINUOUS
TOP	2x6	2x6	2x8	2x8	(2) ROWS OF 2x6	2x12
BLOCK	2x8	2x8	2x12	2x12	(2) ROWS OF 2x8 (CONT)	2x12
SILL	2x14	2x14	(7) 2x12 x 30"	2x12 x 24"	(2) ROWS OF 2x14 (CONT)	2x12 x 30"

KEY PLAN VENTING SCHEDULE

VENT "A" (SIDEWALL):	2'-9" x 6" = 1.375 S.F. VENTILATION
VENT "B" (ENDWALL):	2'-9" x 3" = 0.68 S.F. VENTILATION
VENT "C" (ENDWALL):	2'-9" x 4 1/2" = 1.03 S.F. VENTILATION
VENT "D" (ENDWALL):	2'-9" x 6" = 1.37 S.F. VENTILATION

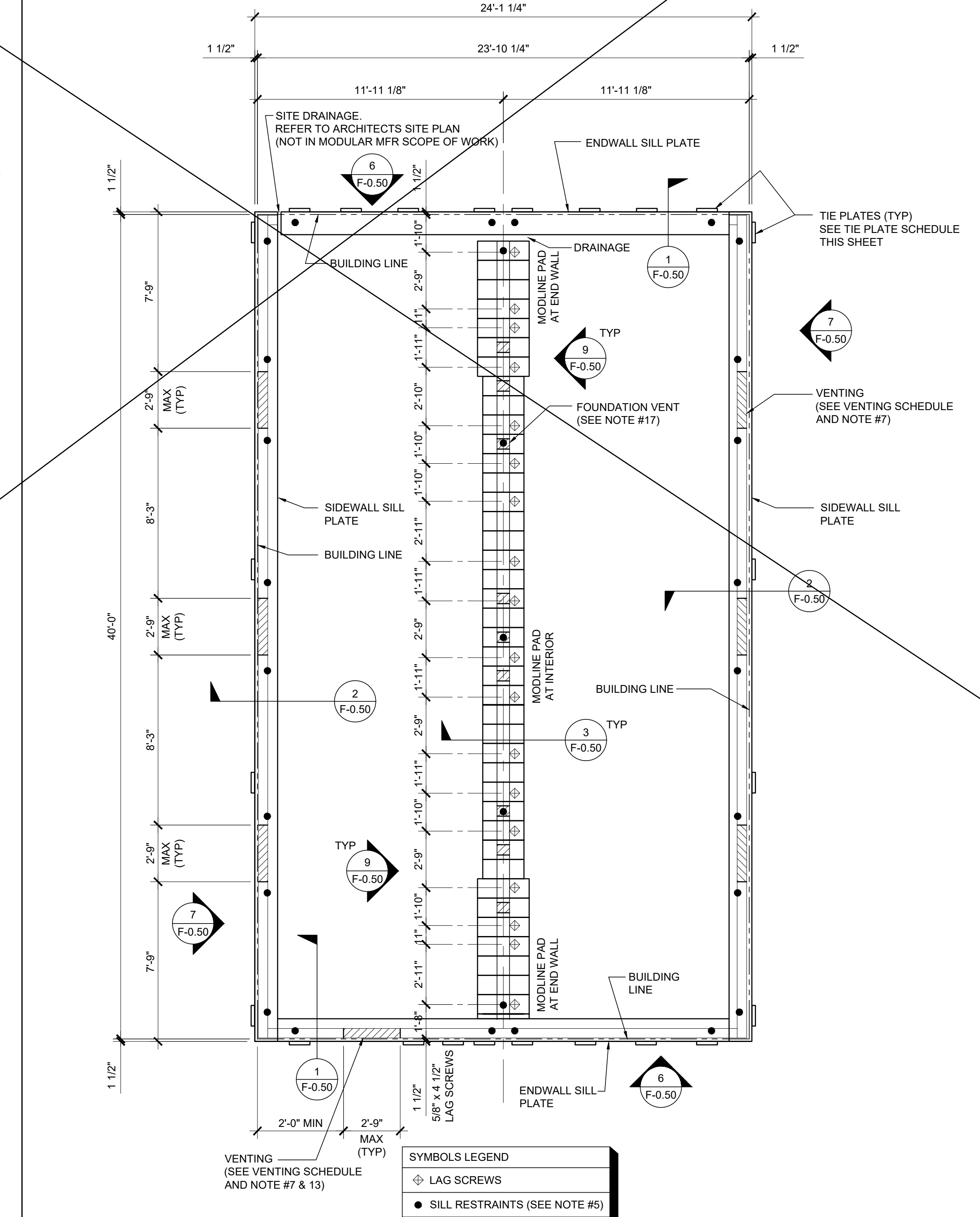
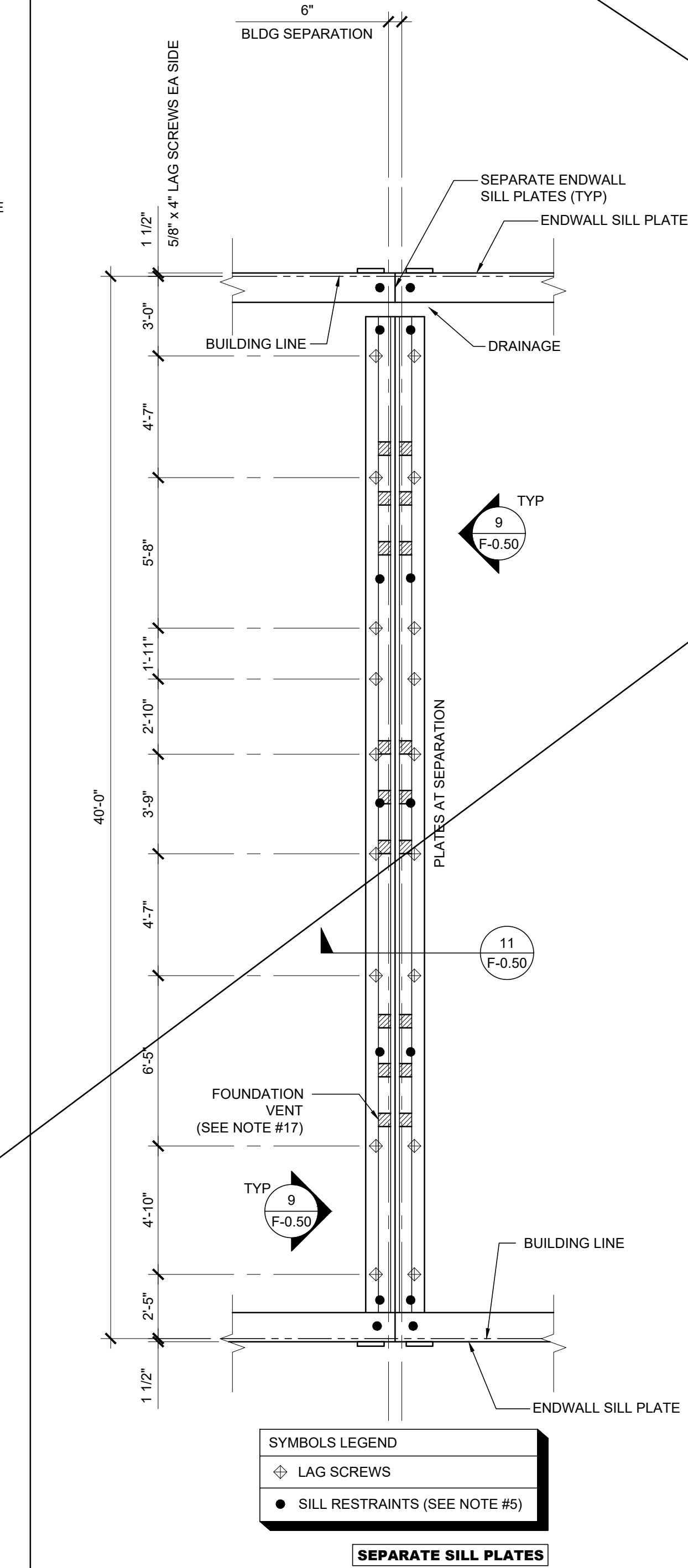
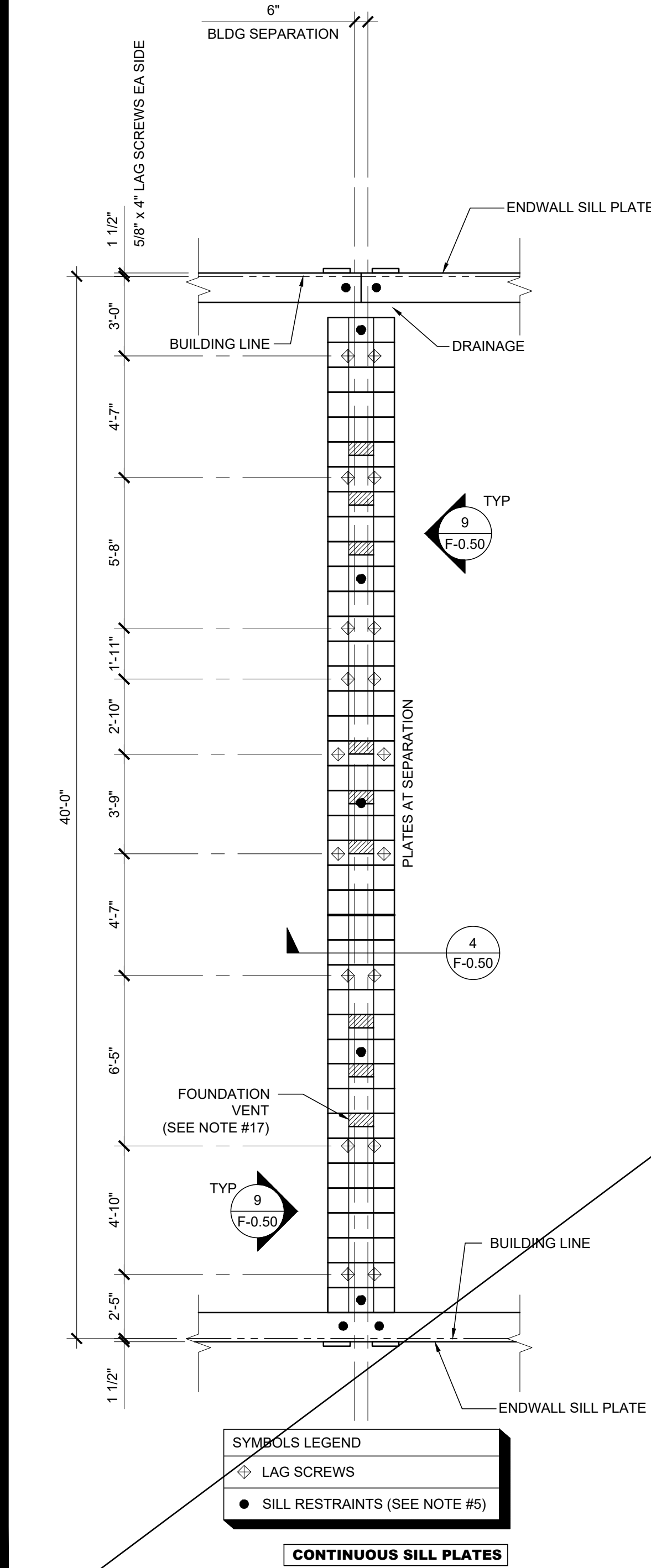
150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OR PARAPET OPTIONS

FOUNDATION PLATE DESCRIPTION



NOTES

- BUILDINGS OVER 2,160 SF, MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION PER IR 16-1 ITEM 1.4.
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- 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/F0.50.
- 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/F0.50; 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 9" OC AT SEPARATION - 4 / F-0.50

VENTING SCHEDULE

BUILDING SIZE	BUILDING AREA	REQUIRED VENTING	SIDEWALL VENTING	ENDWALL VENTING	TOTAL VENTING SUPPLIED
24' x 40'	960 SF	6.4 SF (1/150)	2.75' x 4.5" = 6.13 SF / EA (6.16 SF TOTAL)	2.75' x 3" = 0.68 SF / EA (0.68 SF TOTAL)	6.84 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	8	24

PROJECT SPECIFIC STATE AGENCY APPROVAL

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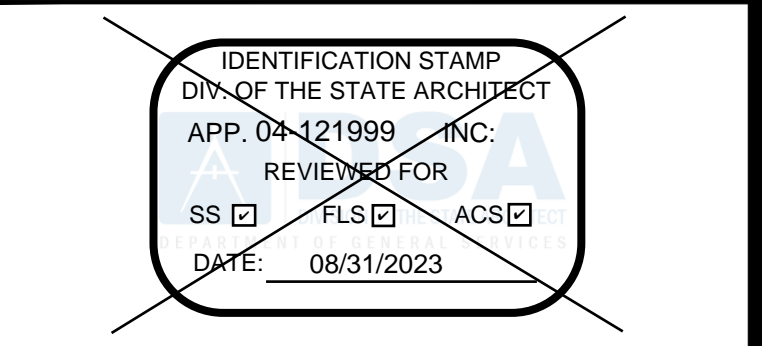
PROJECT NAME:

SHEET TITLE:

WOOD FOUNDATION PLAN 24x40 (150 PSF)

REVISIONS
1
2
3
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PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED



PC STATE AGENCY APPROVAL



MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES 24' x 40' PC

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

P.C. SHEET NUMBER

F-0.04

Figure 1 shows three diagrams illustrating the layout of a building with a grid of columns and beams. The diagrams are for three different building sizes: 85' x 40', 73' x 40', and 60' x 40'. Each diagram shows the dimensions of the building, the spacing of the columns (6' SEP), and the spacing of the beams (10'-0"). The diagrams are labeled "SEE NOTE #13" and "VENT REQ'D".

85' x 40' BUILDING: 3400 SF / 150 = 22.66 SF VENT REQ'D
 (4) - "A" VENT = 10.24 SF
 (12) - "C" VENT = 13.50 SF
 23.74 SF TOTAL VENTILATION (> 22.66 SF)
 (VAPOR BARRIER REQUIRED)

73' x 40' BUILDING: 2920 SF / 150 = 19.46 SF VENT REQ'D
 (4) - "A" VENT = 10.24 SF
 (9) - "C" VENT = 10.12 SF
 20.36 SF TOTAL VENTILATION (> 19.46 SF)
 (VAPOR BARRIER REQUIRED)

60' x 40' BUILDING: 2420 SF / 150 = 16.13 SF VENT REQ'D
 (4) - "A" VENT = 10.24 SF
 (8) - "B" VENT = 6.00 SF
 16.24 SF TOTAL VENTILATION (> 16.13 SF)

50 PSF								
PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT END 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) ⁽⁵⁾	2x12 (2x14) ⁽⁵⁾	(5) 2x12 x 2'-0"	(5) 2x12 x 2'-0"	(2) ROWS OF 2x14	(8) 2x12 x 2'-0"	(2) ROWS OF 2x14	(7) 2x12 x 2'-0"

VENT "A" (SIDEWALL): 5'-1 1/2" x 6" = 2.56 S.F. VENTILATION

"VENT OPENING
AT SILL AND BLOCK PLATES"

VENT "B" (ENDWALL): 3'-0" x 3" = 0.75 S.F. VENTILATION

(OPTIONAL AT
MULTIPLE BLDG
SETS)

"VENT OPENING
ABOVE CONT. SILL AND BLOCK PLATES"

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"

NOTE:
@ BUILDINGS WITH PARAPETS UP TO 48" HIGH, SIDE WALL
VENTS CHANGE FROM 5'-1 1/2" TO 4'-0". SEE VENTING
SCHEDULE

Diagram illustrating the components of a window sill assembly:

- UPPER MOST PLATE
- ADDITIONAL 2x4 PLATE AS NEEDED
- SHIM AS NEEDED. SAME WIDTH AS PLATE ABOVE
- TOP PLATE
- BLOCK PLATE
- SILL PLATE (2x12 OR 2x14)
- FIN GRADE
- SILL RESTRAINT

1. BUILDINGS OVER 2,160 SF, MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION PER IR 16-1 ITEM 1.4.
2. FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULAR FLOORS.
3. FOUNDATION VENTS THAT OCCUR UNDER PRESSURE RAMP LANDINGS, PROVIDE AN EQUAL AREA OF SCREENED VENT IN LANDING SKIRT.
4. 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 FROM THE VENT AREA AT THE BUILDING BY OTHERS. THE WOOD SILL FOOTING PLATE MAY SUPPORT CONTINUOUS BLOCKING AND SHEATHING SKIRT WHICH NEED NOT BE TREATED.
5. 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 SILL 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.
6. STACKED WOOD MEMBERS FOR FOUNDATIONS AND PRESSURE TREATED LUMBER SHALL BE NAILED WITH HOT DIPPED GALVANIZED PER ASTM A-153.
7. 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.
8. VENTING CALCULATION REQUIREMENTS FOR MULTIPLE BUILDING SETS MUST BE CALCULATED WITH OVERALL SQUARE FOOTAGE INCLUDING SEPARATION.
9. FOR FOUNDATION ANCHORAGE ON CONCRETE PAD, SEE DETAIL 15/F0.50.
10. IF OPTIONAL ENDWALL VENTS ARE APPLIED, SILL PLATE AND BLOCK PLATE MUST BE CONTINUOUS. VENT OPENINGS SHALL BE BROKEN ABOVE THE BLOCK PLATE.
11. FOR FOUNDATION SPLICE - SEE 5/F0.50.
12. CRAWLSPACE VAPOR RETARDERS (WHERE INDICATED):
THE OPTIMUM 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 RATING OF 5 MIL OR LESS SHOULD BE CONTINUOUS POLYETHYLENE FILM (6 MIL); POOL LINER (PUNCTURE RESISTANT); AND POLYETHYLENE FILM WITH RAT SLIP INSTALLATION RECOMMENDATIONS:
OVERLAP JOINTS BY 6 INCHES; TAPE OR SEAL ALL JOINTS; ATTACH VAPOR RETARDER OVER SILL PLATE PER 10/F0.50. SEAL TO ALL PIERS AND OTHER PENETRATIONS.
13. ENDWALL VENTS (IF REQ'D) SHALL BE LOCATED A MIN OF 24" FROM BUILDING CORNERS. MAXIMUM ONE ENDWALL VENT PER 12'-0" MODULE.
14. 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.
15. IF PARAPET IS HIGHER THAN 18". COMBINATION REQUIRES A 2 X 14 OR 2 X 16" SILL PLAT @ EXTERIOR OF BUILDING.
16. 150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OR PARAPET OPTION.
17. VENTS AT MODLINE FOUNDATIONS. THE MINIMUM CRITERIA REQUIREMENTS AS FOLLOWS:
A. VENTS HAVE A MINIMUM OF 2" X 16" 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.
18. WHERE THE BUILDING OCCURS ON OR ADJACENT TO A SLOPE (GREATER THAN 33%) THE SETBACK SHALL COMPLY WITH CBC SECTION 1808.7. THE MINIMUM SETBACK AT THE TOP OF THE SLOPE SHALL BE NOT LESS THAN SMALLER OF 4'-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.

(2) 16d BOX NAILS
NAIL TO SILL PLATE ATTACHMENT BELOW UPPER MOST PLATE
5" OC AT ENDWALL - 1 / F-0.50B
12" OC AT SIDEWALL - 2 / F-0.50B
10" OC AT SEPARATION - 4 / F-0.50B

IG	REQ. VENTING	SIDE VENTING	END VENTING	TOTAL VENTING SUPPLIED
F	9.6 SF (1/150)	5.125' x 6" = (4) 2.56 SF/EA	-	10.24 SF SEE NOTE #8
F	9.6 SF (1/150)	4'-0" x 6" = (4) 2 SF/EA (8 SF TOTAL)	3'-0" x 3" = (2) 1.5 SF/EA (.75 SF TOTAL)	9.5 SF SEE NOTE #8

END WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
4	10	28


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

SHEET TITLE:

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

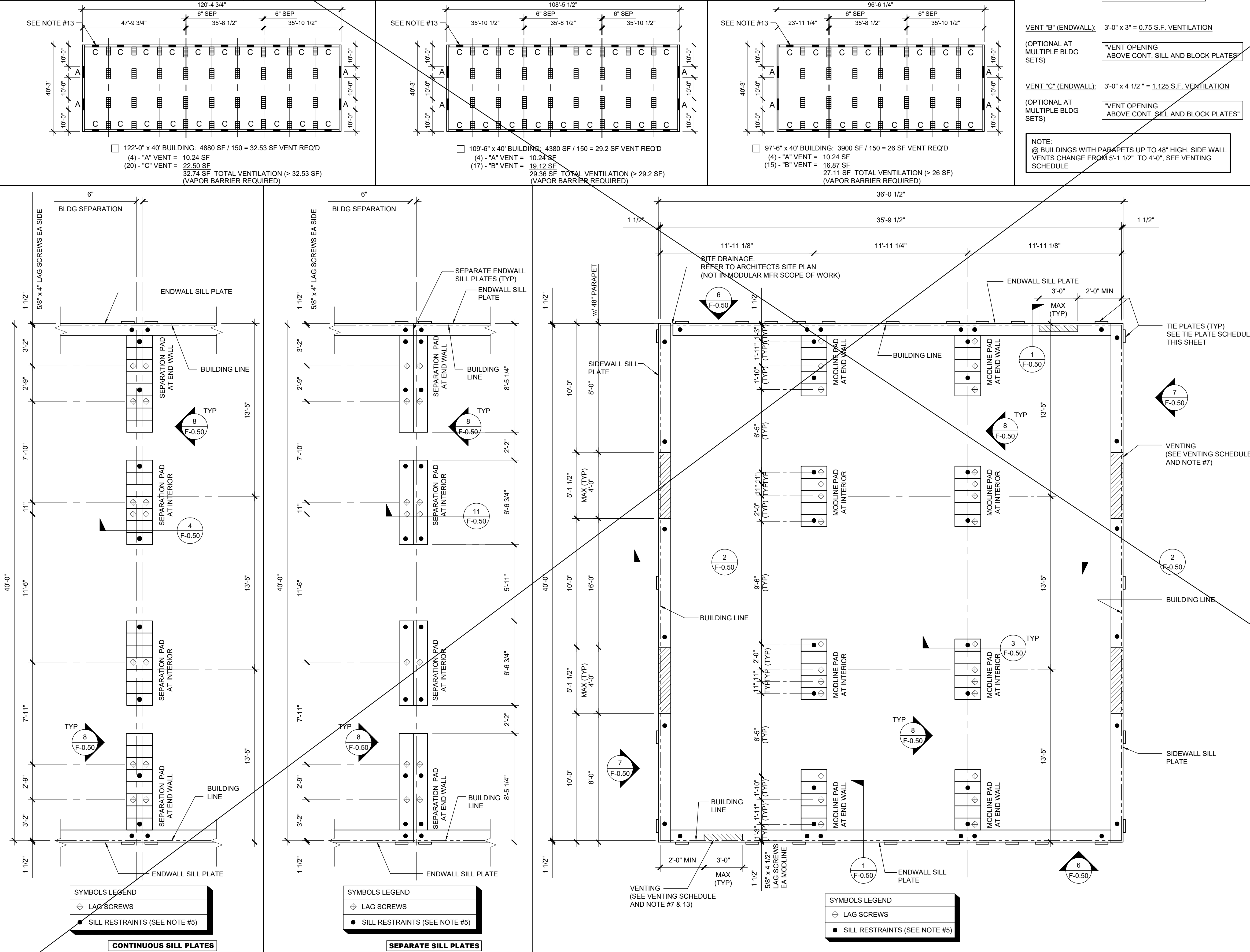


MODULAR BUILDING DESIGN PROFESSIONAL



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

F-0.11

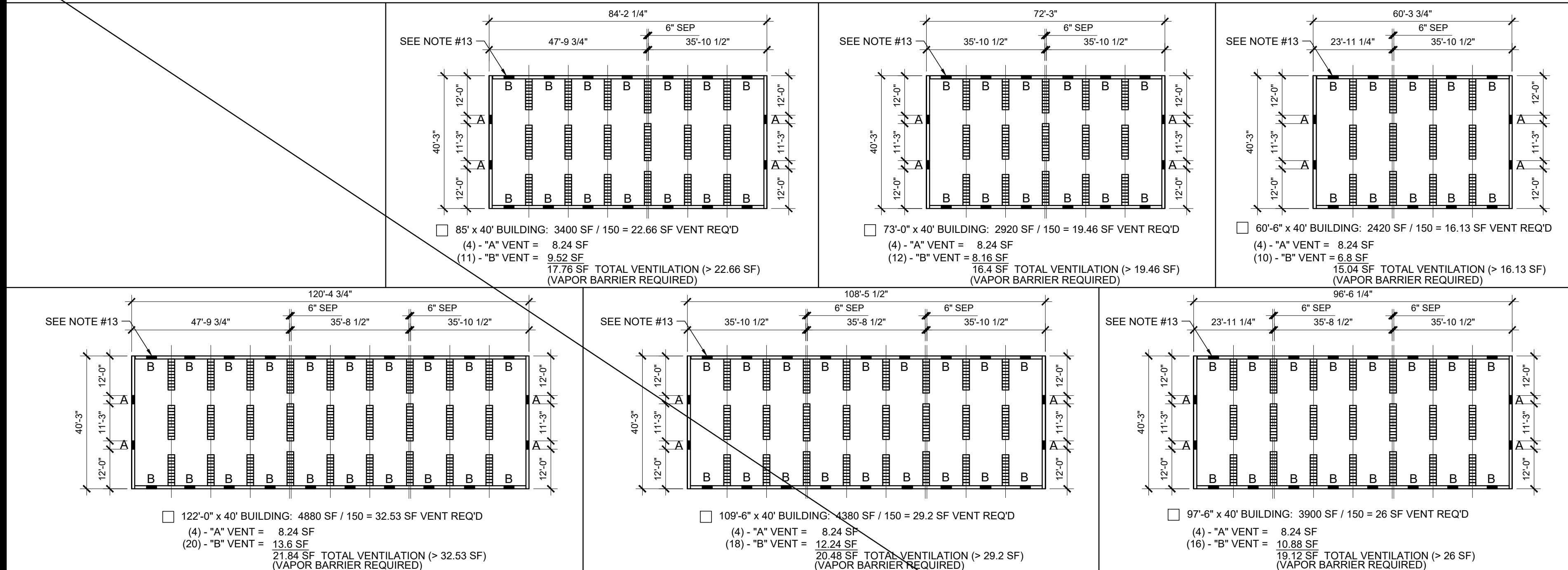


SCALE: 1/4" = 1' - 0"	3
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SCALE: 1/4" = 1' - 0"

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

KEY PLAN VENTING CALCULATIONS w/o PARAPET



WOOD FOUNDATION PLATE SCHEDULE

100 PSF								
PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT INTERIOR	SEPARATION PAD AT ENDWALL		SEPARATION PAD AT INTERIOR	
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ADDITIONAL (S 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	2x14 (2x16) ¹⁵	2x14 (2x16) ¹⁵	(10) 2x12 x 2'-0"	(11) 2x12 x 2'-0"	(2) ROWS OF 2x14	2x12 x 2'-0"	(2) ROWS OF 2x14	2x12 x 2'-0"

KEY PLAN VENTING SCHEDULE

VENT "A" (SIDEWALL): 2'-6" x 6" = 1.25 S.F. VENTILATION

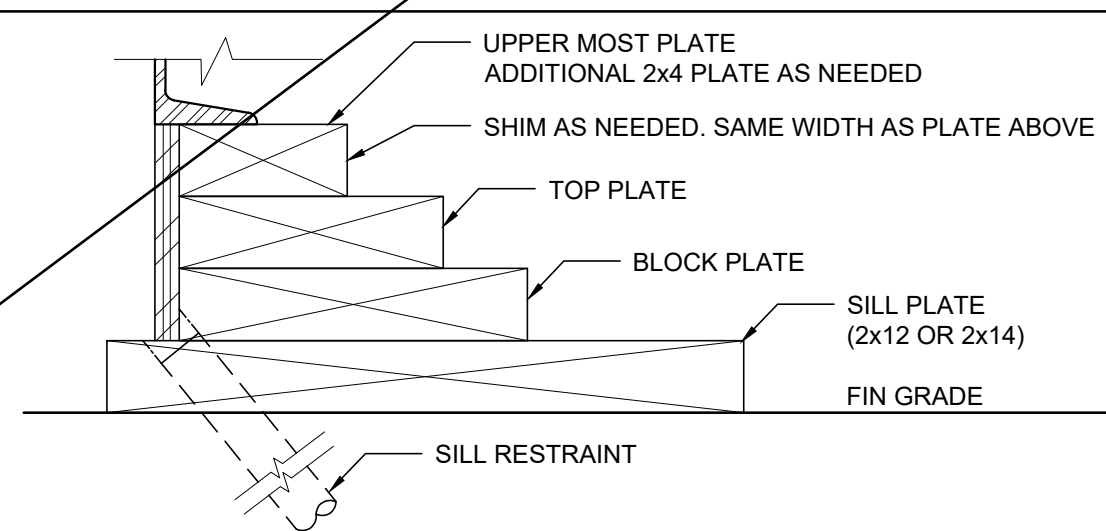
"VENT OPENING AT SILL AND BLOCK PLATES"

VENT "B" (ENDWALL): 2'-9" x 3" = 0.68 S.F. VENTILATION

(OPTIONAL AT MULTIPLE BLDG SETS)

"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

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 LENGTH ADDED 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/F0.50.
- 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 5/F-0.50.
- CRAWLSPACE VAPOR RETARDERS (WHERE INDICATED):
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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/F0.50; 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.
- 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
36' x 40'		5" OC AT ENDWALL - 1 / F-0.50B 12" OC AT SIDEWALL - 2 / F-0.50B 10" OC AT SEPARATION - 4 / F-0.50B

VENTING SCHEDULE

BUILDING SIZE	BUILDING AREA	REQUIRED VENTING	SIDEWALL VENTING	ENDWALL VENTING	TOTAL VENTING SUPPLIED
36' x 40'	1440 SF	9.6 SF (1/150)	2'-6" x 6" = (4) 1.25 SF / EA (5 SF TOTAL) (VAPOR BARRIER REQUIRED)	2'-9" x 3" = (6) .68 SF / EA (4.08 SF TOTAL)	9.08 SF SEE NOTE #8

TIE PLATE SCHEDULE

BUILDING SIZE	SIDE WALL TIE PLATE	END WALL TIE PLATE	TOTAL NUMBER OF TIE PLATES
36' x 40'	4	10	28

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

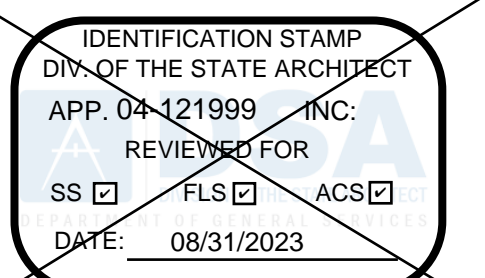
SHEET TITLE:

WOOD FOUNDATION PLAN 36x40 (100 PSF)

REVISIONS

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2	
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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

F-0.13

FOOTING AT SEP

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

FOOTING AT SEP

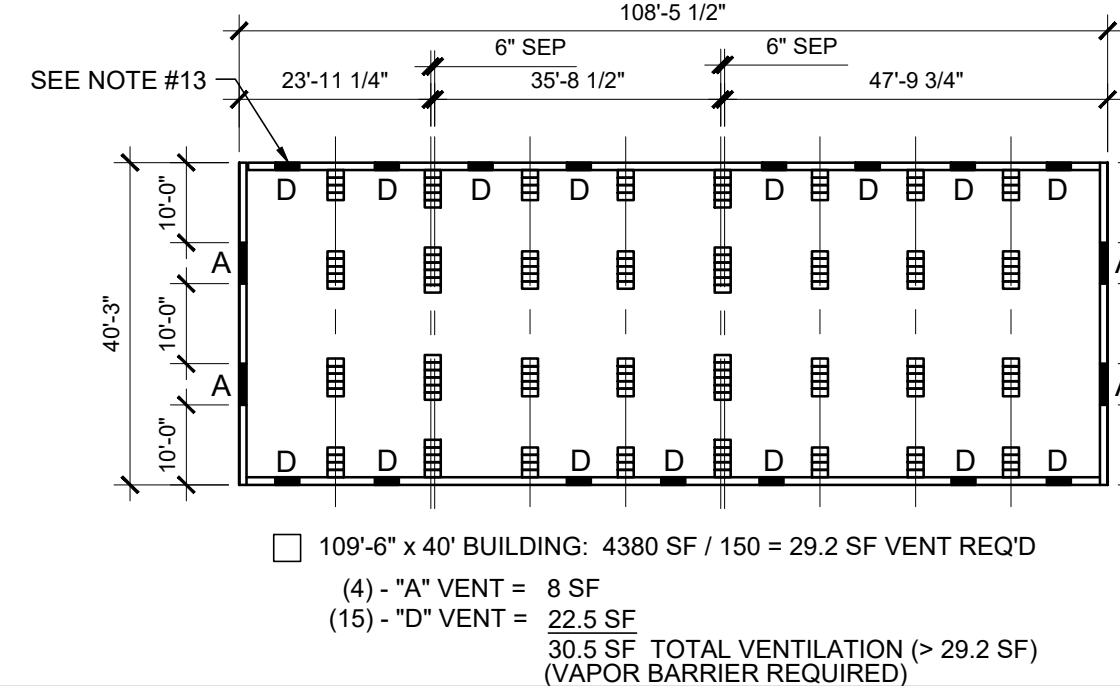
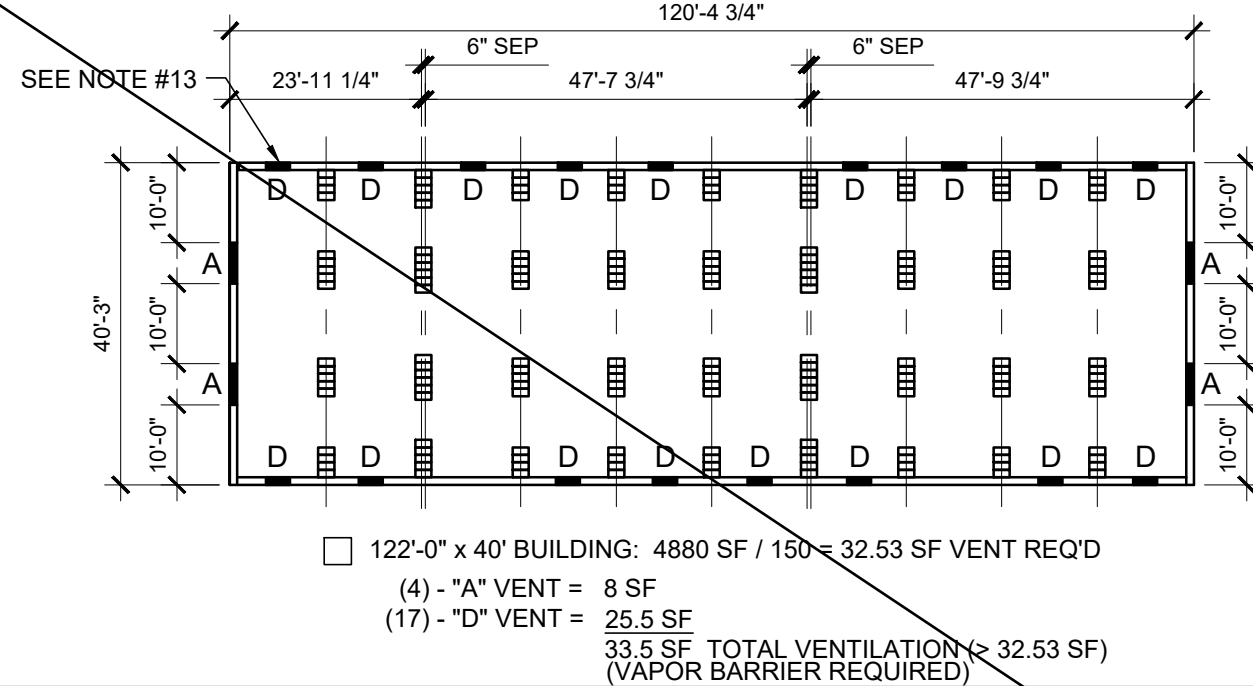
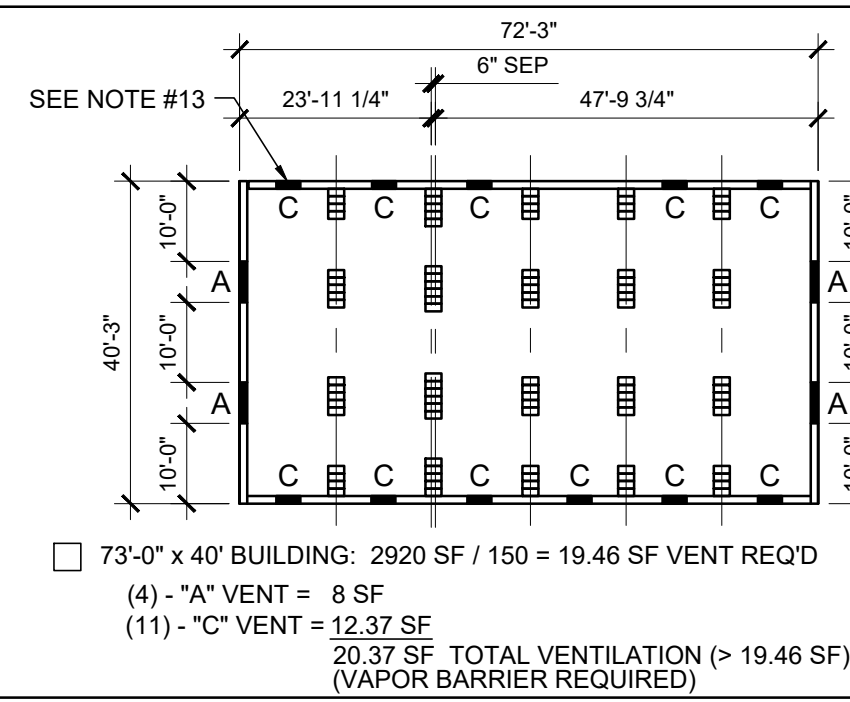
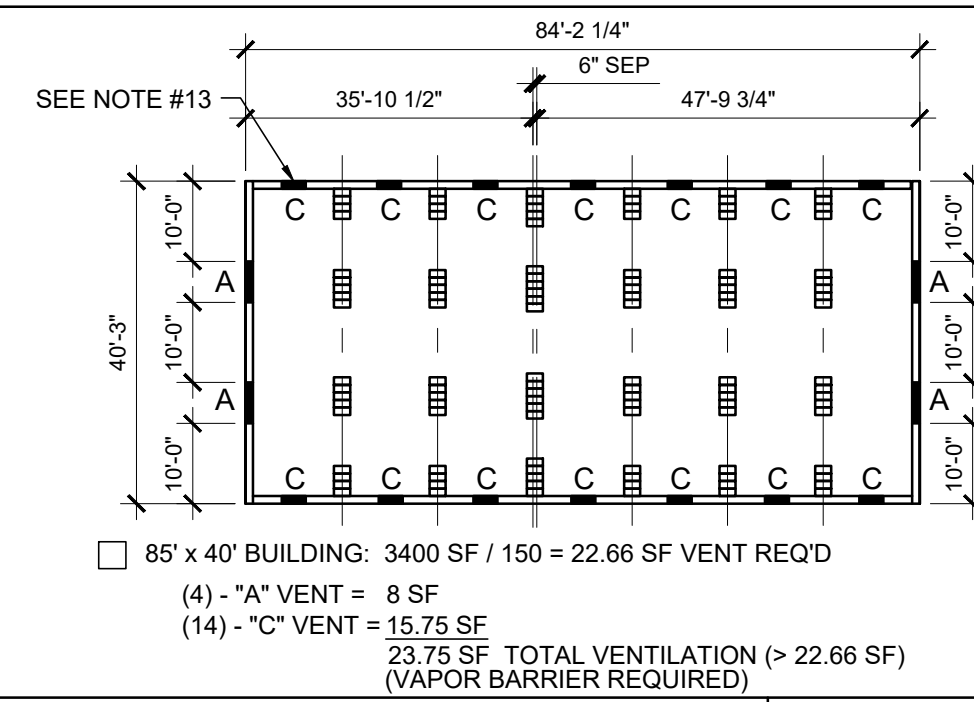
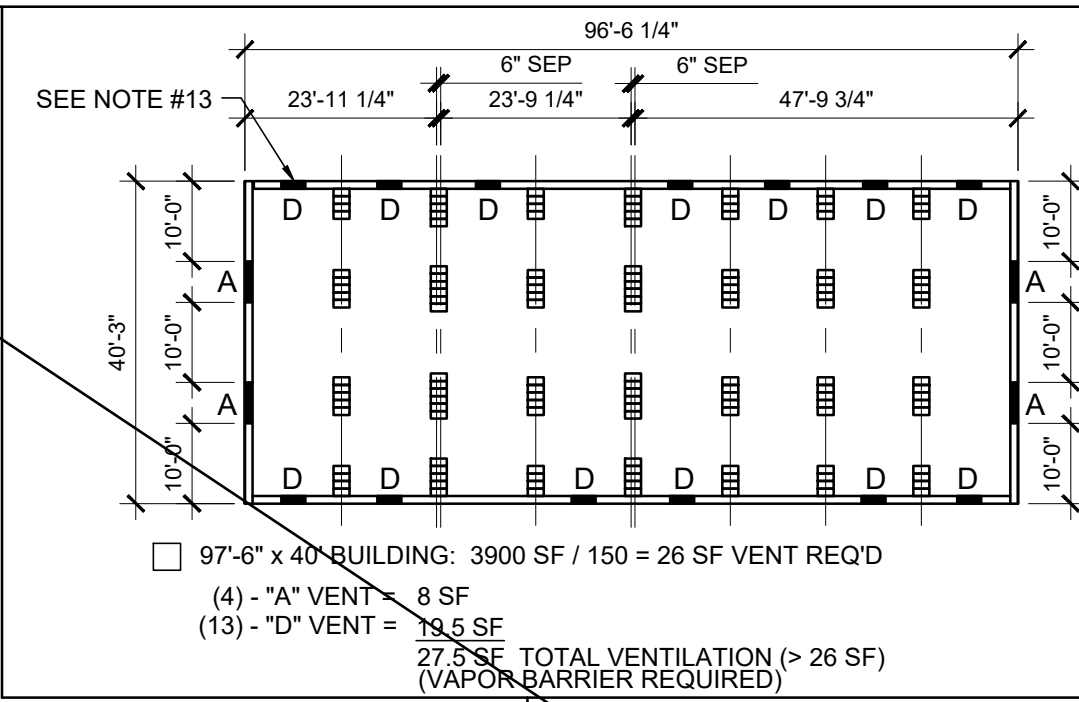
SCALE: 1/4" = 1' - 0"

FOUNDATION PLAN

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

1

KEY PLAN VENTING CALCULATIONS w/o PARAPET



WOOD FOUNDATION PLATE SCHEDULE

50 PSF

PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT INTERIOR	SEPARATION PAD AT ENDWALL		SEPARATION PAD AT INTERIOR	
					SEPARATE BLDGS	ONE BLDG	SEPARATE BLDGS	ONE BLDG
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) ⁽⁵⁾	2x12 (2x14) ⁽⁵⁾	2x12 x 2'-0"	2x12 x 2'-0"	(2) ROWS OF 2x14	2x12 x 2'-0"	(2) ROWS OF 2x14	2x12 x 2'-0"

KEY PLAN VENTING SCHEDULE

VENT "A" (SIDEWALL): 4' x 6' = 2 S.F. VENTILATION

"VENT OPENING AT SILL AND BLOCK PLATES"

VENT "B" (ENDWALL): (OPTIONAL AT MULTIPLE BLDG SETS) 3'-0" x 3' = 0.75 S.F. VENTILATION

"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

VENT "C" (ENDWALL): (OPTIONAL AT MULTIPLE BLDG SETS) 3'-0" x 4 1/2" = 1.125 S.F. VENTILATION

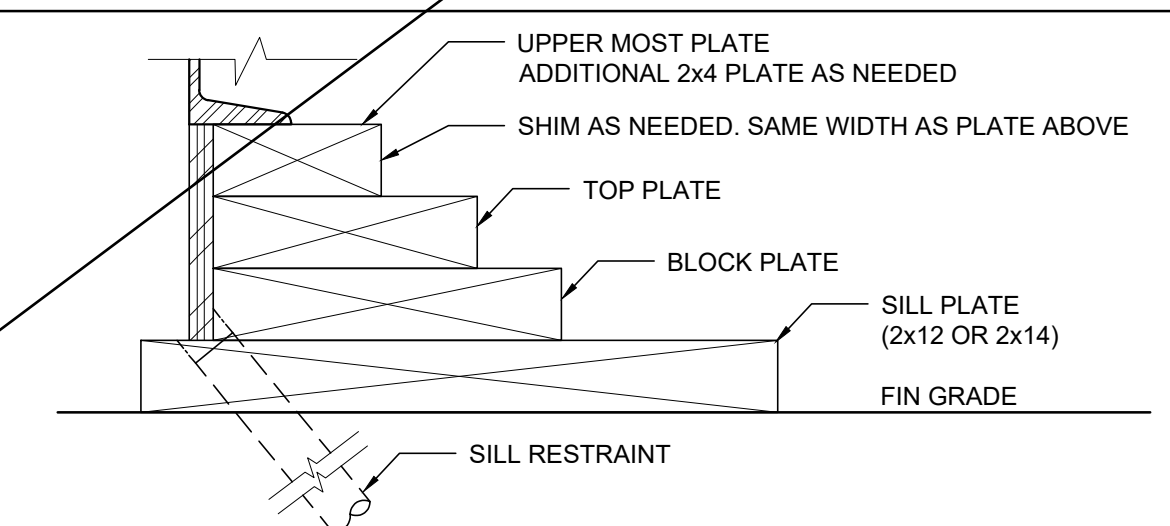
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

VENT "D" (ENDWALL): (OPTIONAL AT MULTIPLE BLDG SETS) 3'-0" x 6" = 1.5 S.F. VENTILATION

"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

NOTE:
@ BUILDINGS WITH PARAPETS UP TO 48" HIGH, SIDE WALL VENTS CHANGE FROM 5'-1 1/2" TO 4'-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 5/F-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 SILL PLATE ATTACHMENT BELOW UPPER MOST PLATE	
48' x 40'	5" OC AT ENDWALL - 1 / F-0.50B	
	12" OC AT SIDEWALL - 2 / F-0.50B	
	10" OC AT SEPARATION - 4 / F-0.50B	

VENTING SCHEDULE

	BLDG. SIZE	BLDG. AREA	REQ. VENT	SIDEWALL VENT	ENDWALL VENT	TOTAL SUPPLIED
W/O PARAPET	48' x 40'	1920 SF	12.8 SF (1/150)	5.125 x 6' = (4) 2.56 SF / EA (10.25 SF TOTAL)	3'-0" x 3' = (4) .75 SF / EA (3.00 SF TOTAL)	13.25 SF SEE NOTE #8
	48' x 40'	1920 SF	12.8 SF (1/150)	5.125 x 6' = (4) 2.56 SF / EA (10.25 SF TOTAL)	3'-0" x 3' = (4) .75 SF / EA (3.00 SF TOTAL)	13.25 SF SEE NOTE #8

TIE PLATE SCHEDULE (14 / F-0.50)

BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
48' x 40'	4	10	28

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:

SHEET TITLE:

WOOD FOUNDATION PLAN

48' x 40'
(50 PSF)

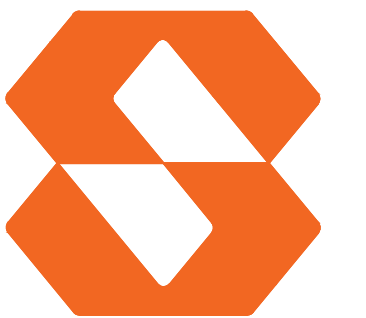
REVISIONS

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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

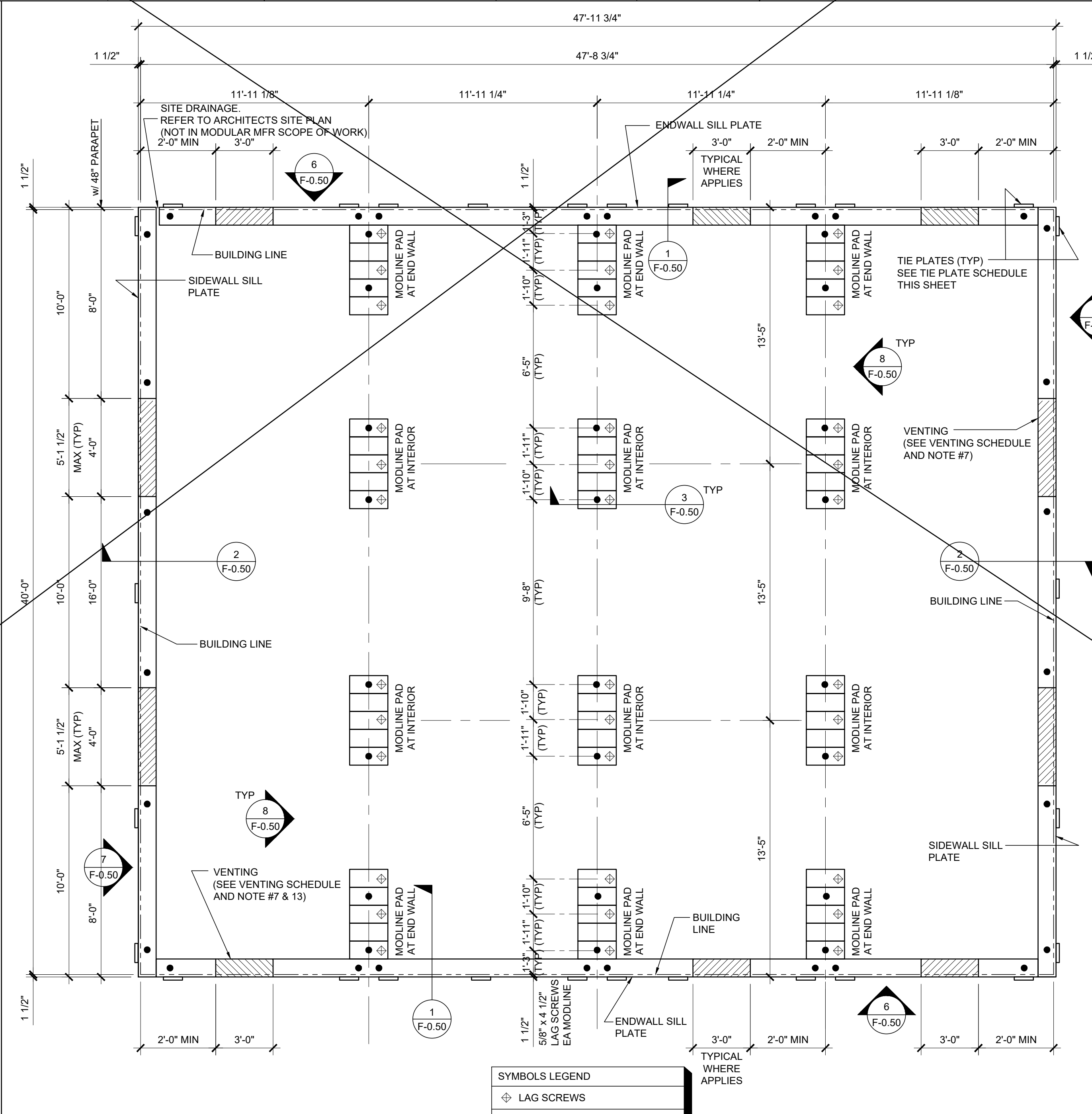
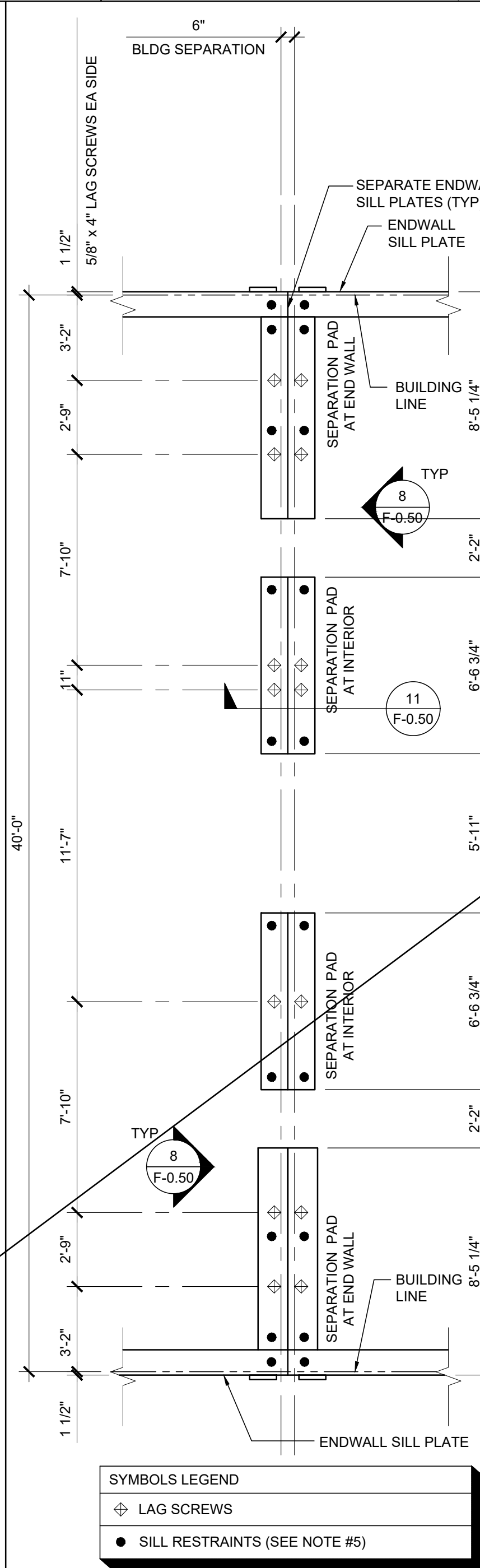
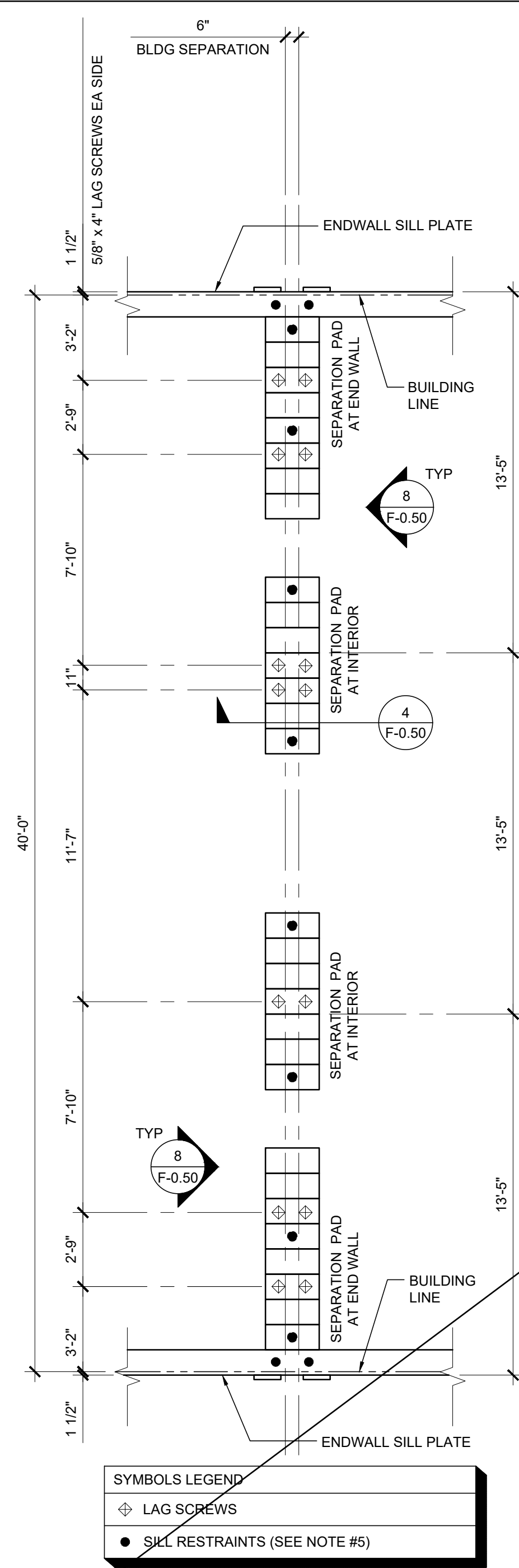
PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

F-0.21

FOOTING AT SEP

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

FOOTING AT SEP

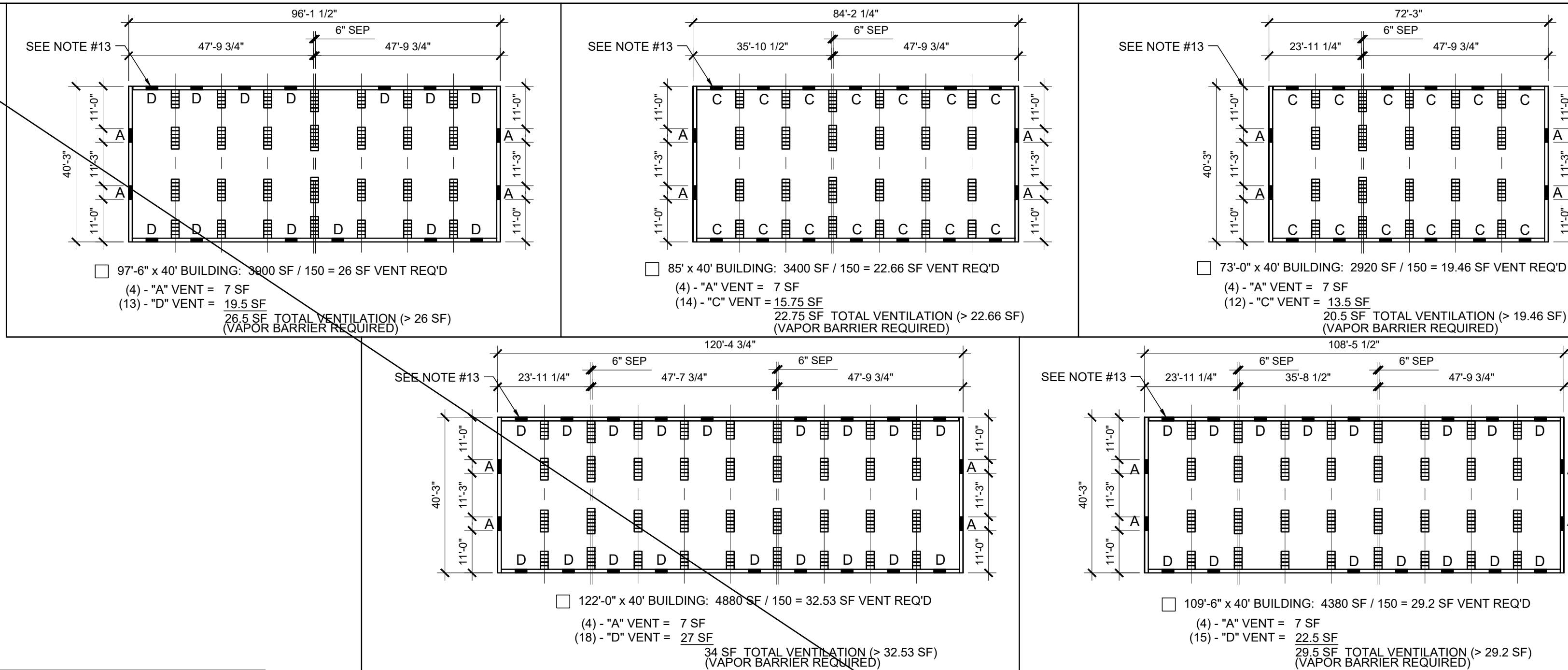
SCALE: 1/4" = 1' - 0"

FOUNDATION PLAN

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

1

KEY PLAN VENTING CALCULATIONS w/o PARAPET



WOOD FOUNDATION PLATE SCHEDULE

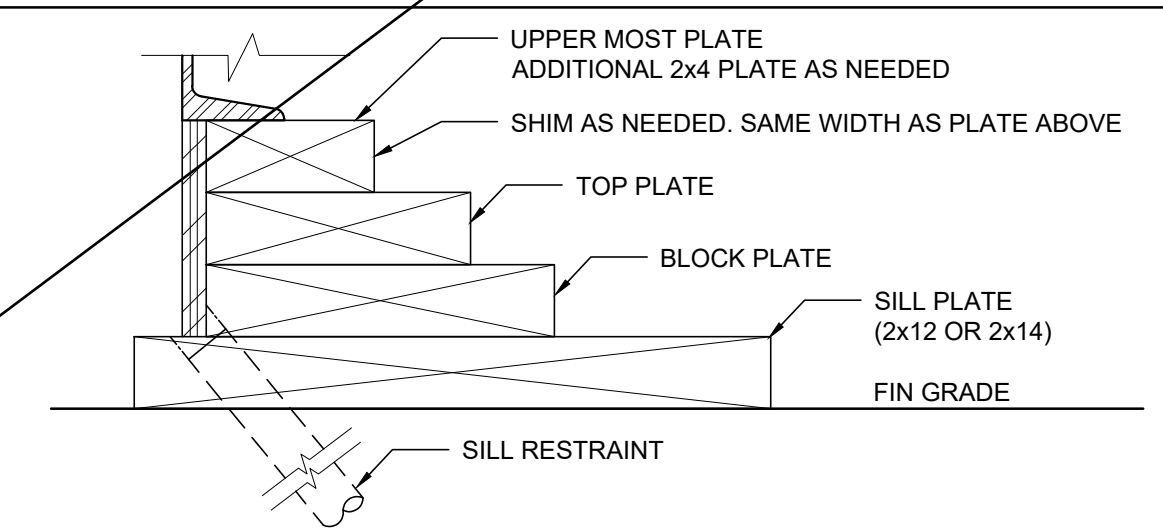
50 + 15 PSF

PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT INTERIOR	SEPARATION PAD AT ENDWALL		SEPARATION PAD AT INTERIOR	
					SEPARATE BLDGS	ONE BLDG	SEPARATE BLDGS	ONE BLDG
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) ⁽⁵⁾	2x12 (2x14) ⁽⁵⁾	2x12 x 2'-0"	2x12 x 2'-0"	(2) ROWS OF 2x14	2x12 x 2'-0"	(2) ROWS OF 2x14	2x12 x 2'-0"

KEY PLAN VENTING SCHEDULE

VENT "A" (SIDEWALL):	3'-6" x 6" = 1.75 S.F. VENTILATION
VENT "B" (ENDWALL):	3'-0" x 3" = 0.75 S.F. VENTILATION
VENT "C" (ENDWALL):	3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
VENT "D" (ENDWALL):	3'-0" x 6" = 1.5 S.F. VENTILATION
NOTE:	@ BUILDINGS WITH PARAPETS UP TO 48" HIGH, SIDE WALL VENTS CHANGE FROM 3'-6" TO 3'-0", SEE VENTING SCHED.

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 LENGTH ADDED 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 5/F-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.
- 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	
48' x 40'	5" OC AT ENDWALL - 1 / F-0.50B	13.0 SF SEE NOTE #8
	12" OC AT SIDEWALL - 2 / F-0.50B	
	10" OC AT SEPARATION - 4 / F-0.50B	

VENTING SCHEDULE

	BUILDING SIZE	BUILDING AREA	REQUIRED VENTING	SIDEWALL VENTING	ENDWALL VENTING	TOTAL VENTING SUPPLIED
W/O PARAPET	48' x 40'	1920 SF	12.8 SF (1/150)	3'-6" x 6" = (4) 1.75 SF/EA (75SF TOTAL)	3'-0" x 3" = (8) 0.75 SF/EA (60SF TOTAL)	13.0 SF SEE NOTE #8
W/ PARAPET	48' x 40'	1920 SF	12.8 SF (1/150)	3'-0" x 6" = (4) 1.5 SF/EA (60SF TOTAL)	3'-0" x 4 1/2" = (7) 1.125 SF/EA (78.75SF TOTAL)	13.87 SF SEE NOTE #8

TIE PLATE SCHEDULE

BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
48' x 40'	4	10	28

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

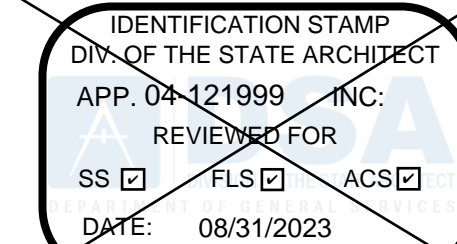
WOOD FOUNDATION PLAN

48x40
(50+15 PSF)

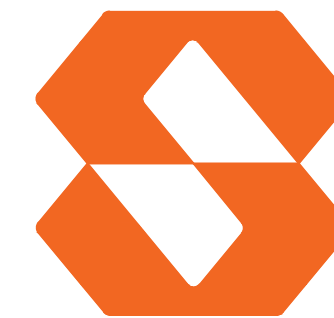
REVISIONS



PRE-CHECK (PC) DOCUMENT
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PC STATE AGENCY APPROVAL

**Silver Creek**

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES

24' x 40' PC

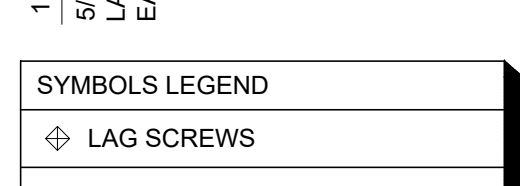
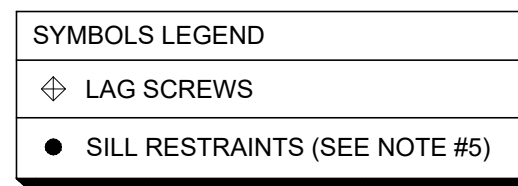
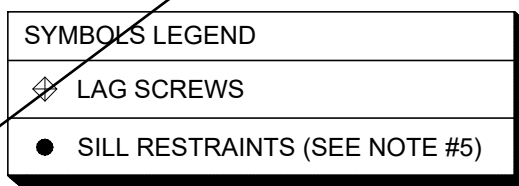
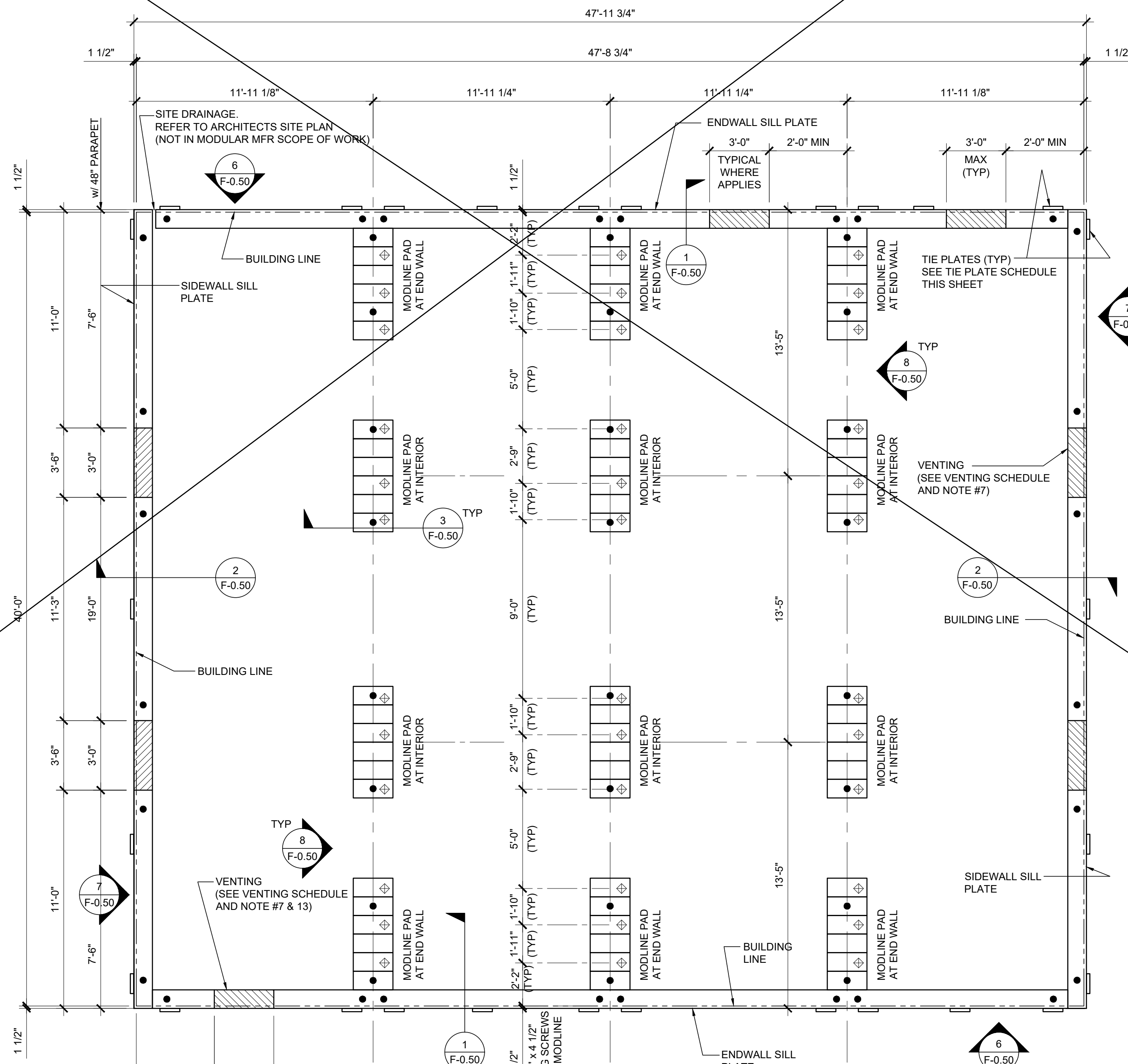
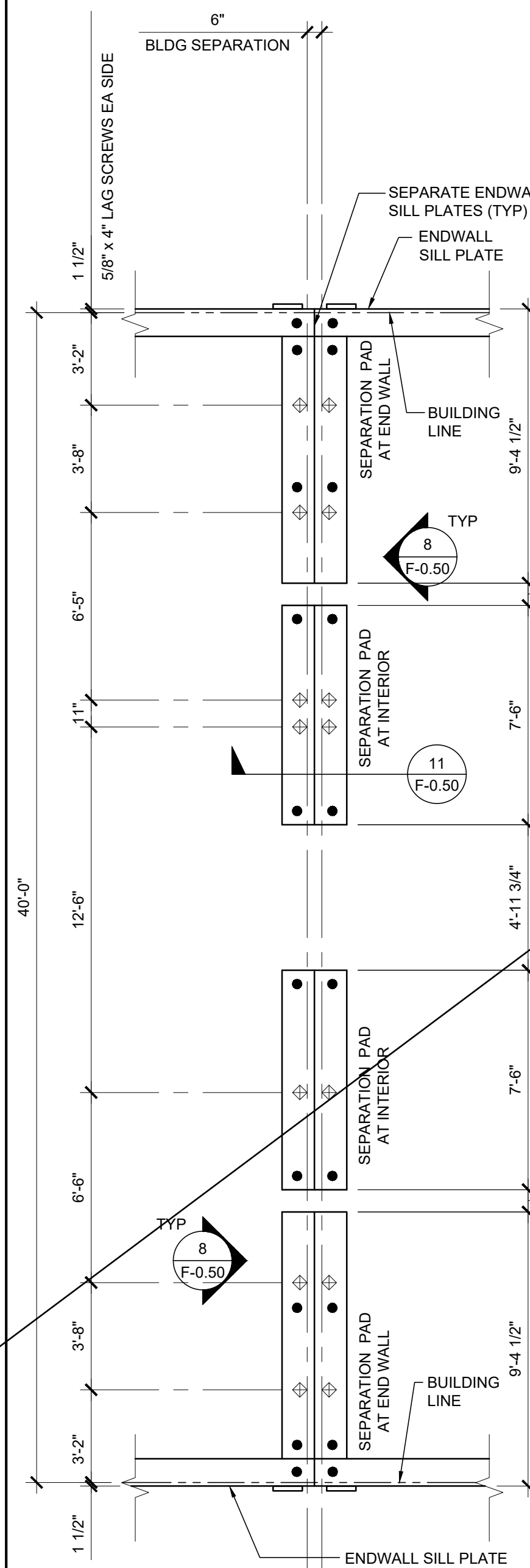
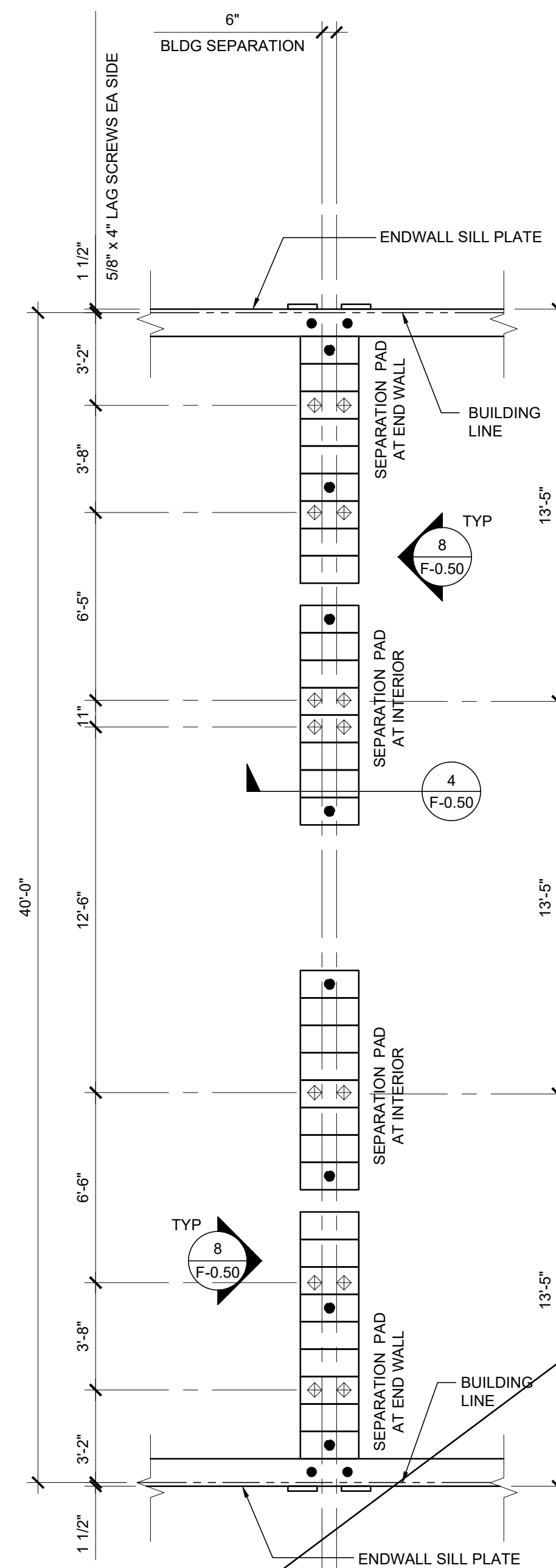
PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

F-0.22

FOOTING AT SEP

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

FOOTING AT SEP

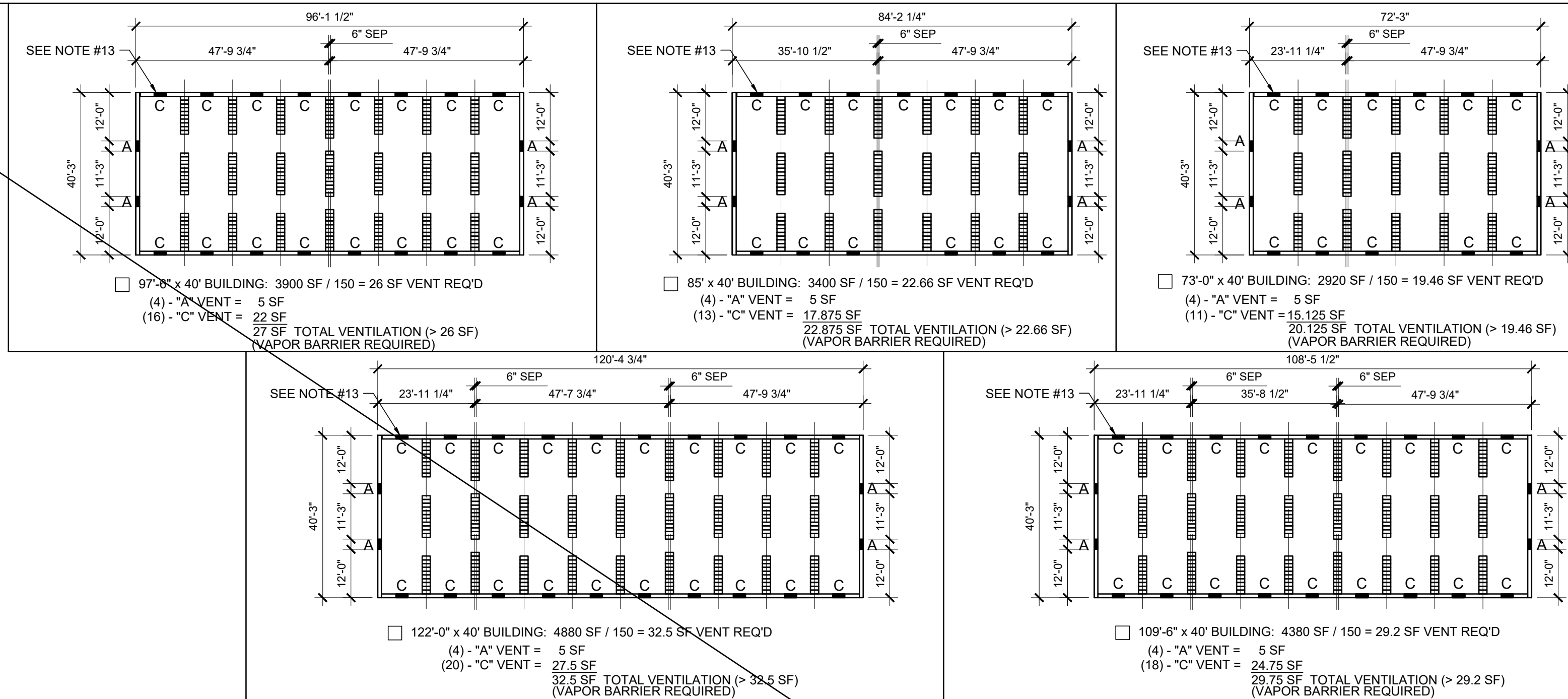
SCALE: 1/4" = 1'-0"

FOUNDATION PLAN

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

1

KEY PLAN VENTING CALCULATIONS w/o PARAPET



WOOD FOUNDATION PLATE SCHEDULE

100 PSF

PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT INTERIOR	SEPARATION PAD AT ENDWALL		SEPARATION PAD AT INTERIOR	
					SEPARATE BLDGS	ONE BLDG	SEPARATE BLDGS	ONE BLDG
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	2x14 (2x16) ¹⁵	2x14 (2x16) ¹⁵	(10) 2x12 x 2'-0"	(11) 2x12 x 2'-0"	(2) ROWS OF 2x14	2x12 x 2'-0"	(2) ROWS OF 2x14	2x12 x 2'-0"

KEY PLAN VENTING SCHEDULE

VENT "A" (SIDEWALL): 2'-6" x 6" = 1.25 S.F. VENTILATION

"VENT OPENING AT SILL AND BLOCK PLATES"

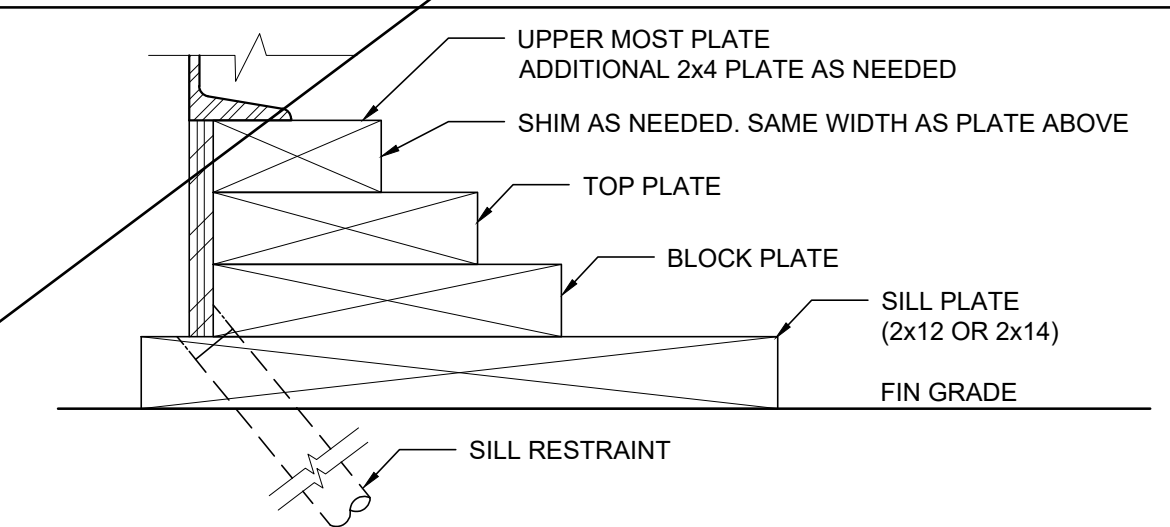
VENT "B" (ENDWALL): 2'-9" x 3" = 0.68 S.F. VENTILATION

"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

VENT "C" (ENDWALL): 2'-9" x 6" = 1.375 S.F. VENTILATION

"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"

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 LENGTH ADDED 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 5/F-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		
48' x 40'	5" OC AT ENDWALL - 1 / F-0.50B	12" OC AT SIDEWALL - 2 / F-0.50B	10" OC AT SEPARATION - 4 / F-0.50B

VENTING SCHEDULE

BUILDING SIZE	BUILDING AREA	REQUIRED VENTING	SIDEWALL VENTING	ENDWALL VENTING	TOTAL VENTING SUPPLIED
48' x 40'	1920 SF	12.8 SF (1/150)	2'-6" x 6" = (4) 1.25 SF / EA (5 SF TOTAL)	2'-9" x 4 1/2" = (8) 1.031 SF / EA (8.24 SF TOTAL)	13.24 SF SEE NOTE #8

TIE PLATE SCHEDULE

BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
48' x 40'	4	10	28

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:

SHEET TITLE:

WOOD FOUNDATION PLAN

48x40 (100 PSF)

REVISIONS

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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

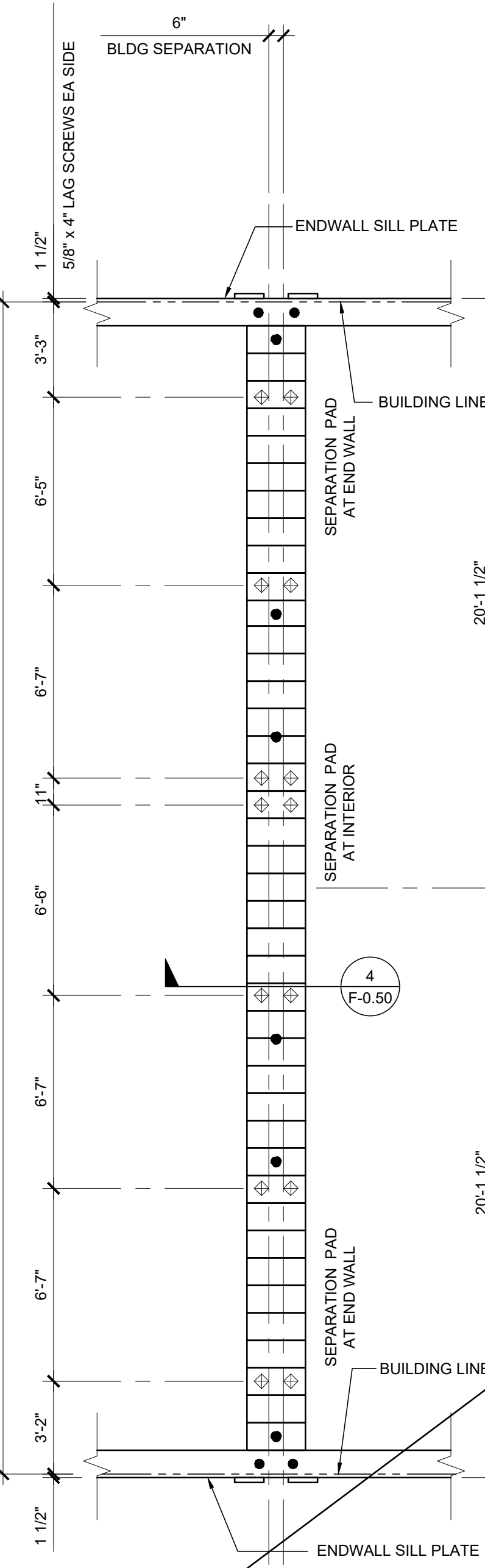
PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

F-0.23

SYMBOLS LEGEND	
+	LAG SCREWS
●	SILL RESTRAINTS (SEE NOTE #5)

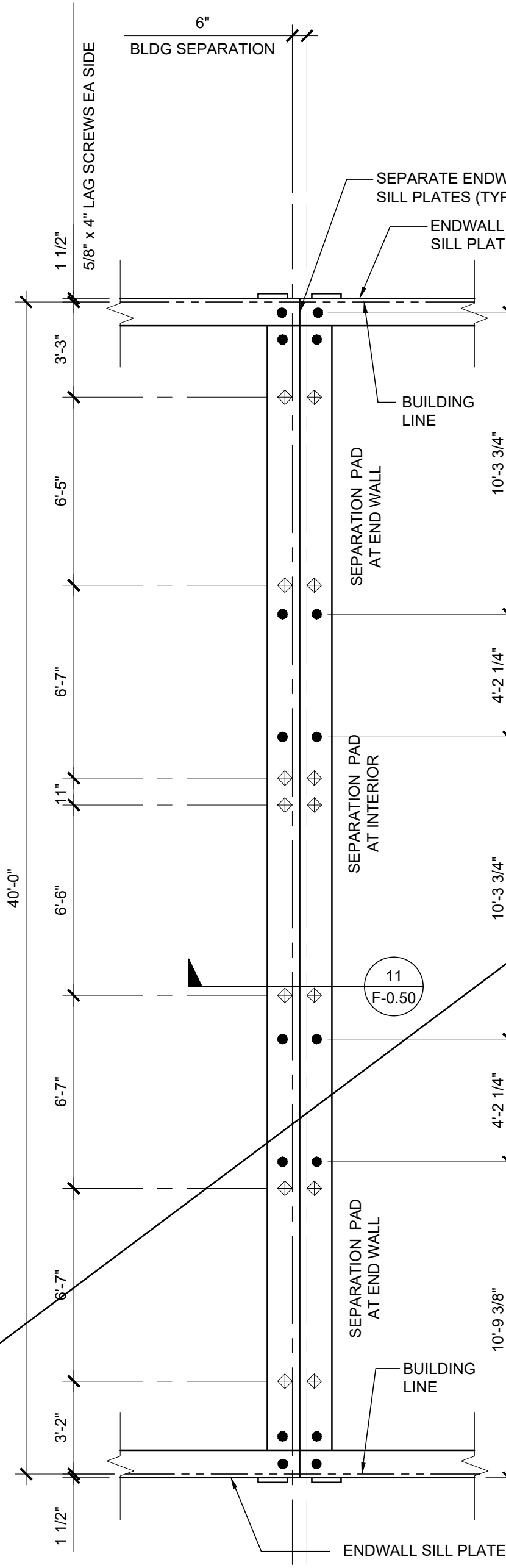
ONE BUILDING

FOOTING AT SEP

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

FOOTING AT SEP

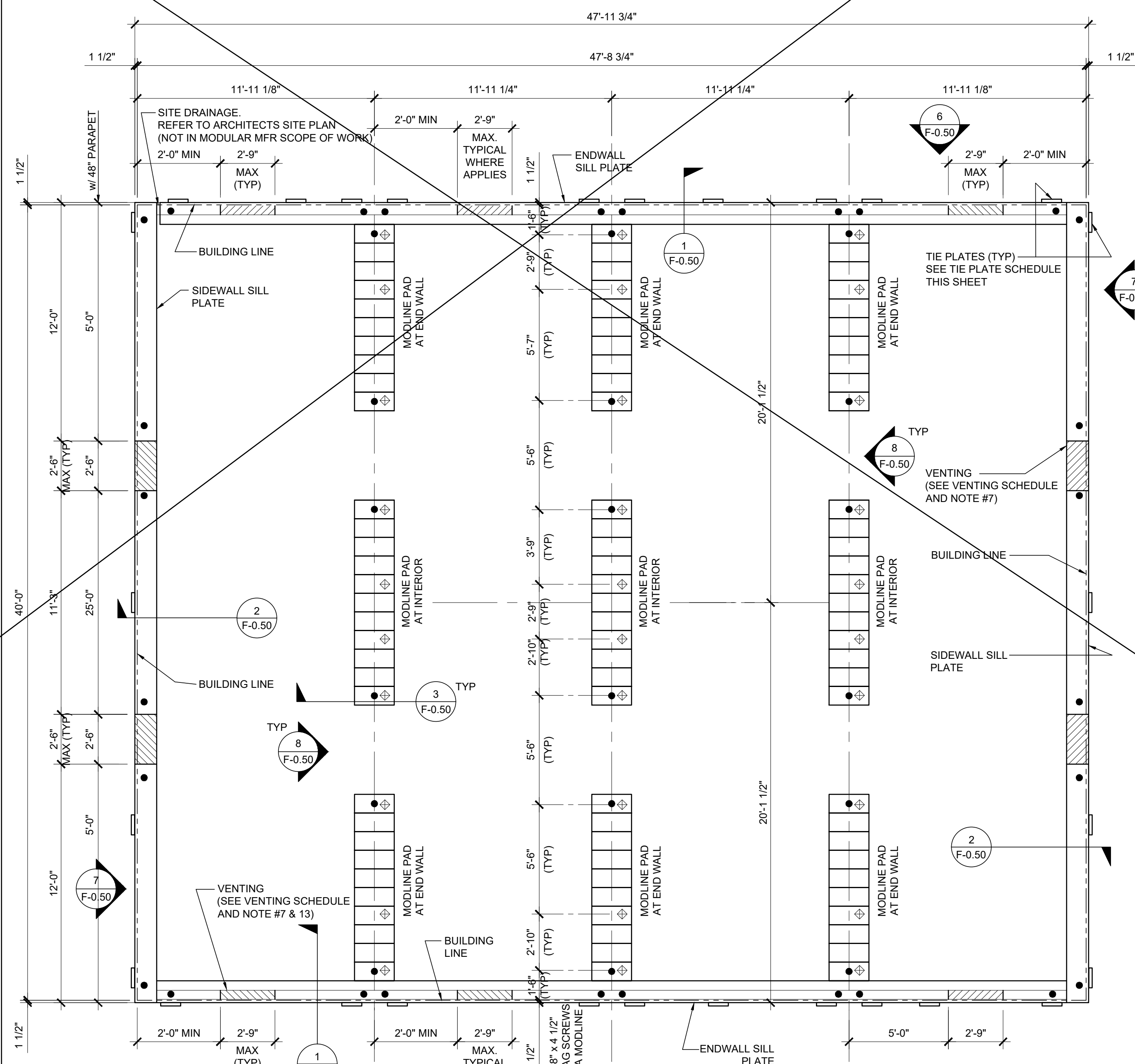
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SYMBOLS LEGEND	
+	LAG SCREWS
●	SILL RESTRAINTS (SEE NOTE #5)

SEPARATE BUILDINGS

FOUNDATION PLAN

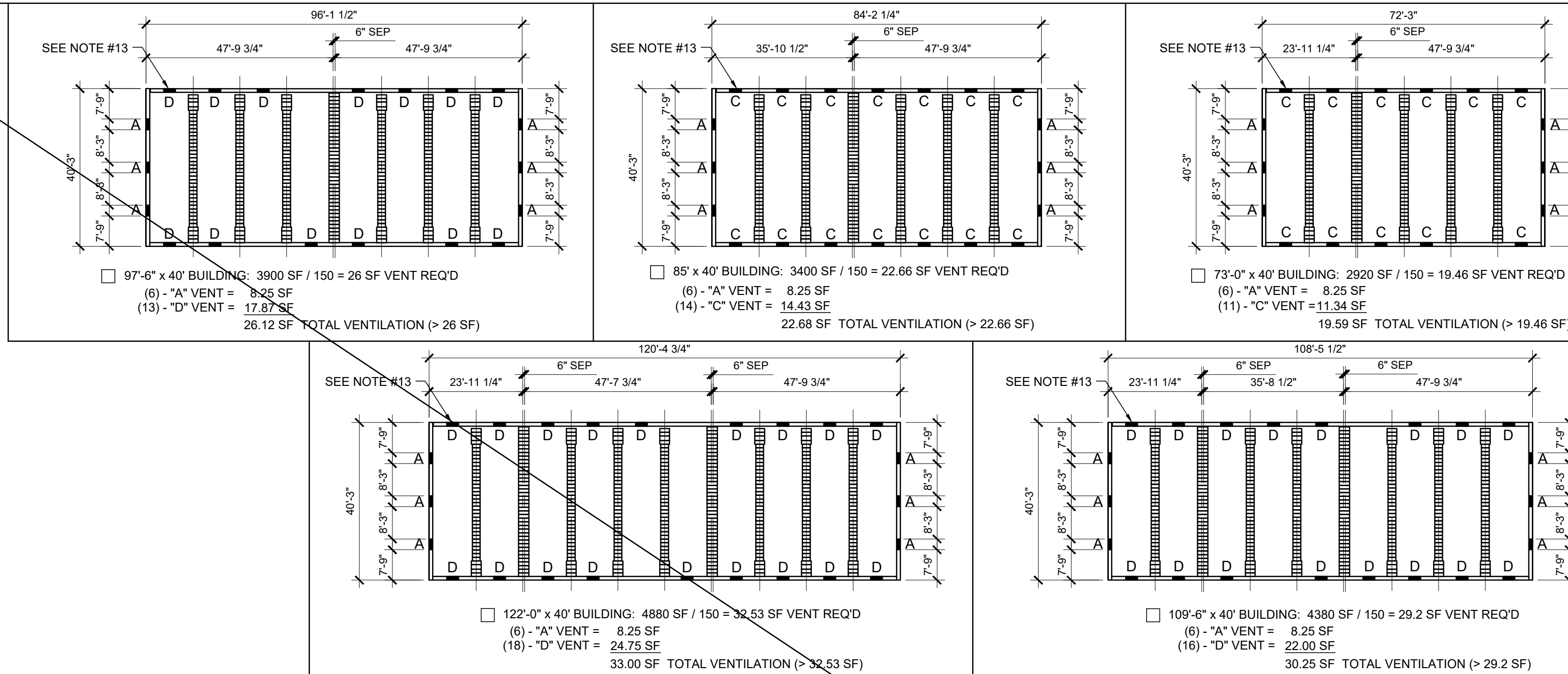


SYMBOLS LEGEND	
+	LAG SCREWS
●	SILL RESTRAINTS (SEE NOTE #5)

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

1

KEY PLAN VENTING CALCULATIONS



WOOD FOUNDATION PLATE SCHEDULE

150 PSF

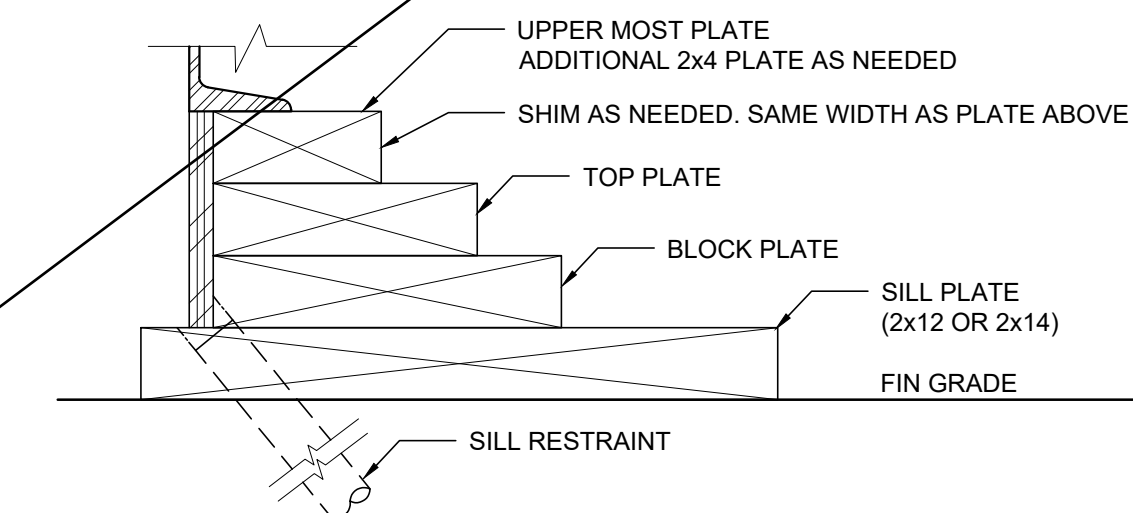
PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT INTERIOR	PLATES AT SEPARATION	
ADDITIONAL (AS NEEDED)	2x4	2x4	2x6	2x6	<input type="checkbox"/> SEPARATE BLDGS	<input type="checkbox"/> ONE BLDG
TOP	2x6	2x6	2x8	2x8	(2) ROWS OF 2x6	2x12
BLOCK	2x8	2x8	2x12	2x12	(2) ROWS OF 2x8 (CONT)	2x12
SILL	2x14	2x14	(7) 2x12 x 30"	2x12 x 24"	(2) ROWS OF 2x14 (CONT)	2x12 x 30"

KEY PLAN VENTING SCHEDULE

VENT "A" (SIDEWALL):	2'-9" x 6" = 1.375 S.F. VENTILATION
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"	
VENT "B" (ENDWALL):	2'-9" x 3" = 0.68 S.F. VENTILATION
(OPTIONAL AT MULTIPLE BLDG SETS)	
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"	
VENT "C" (ENDWALL):	2'-9" x 4 1/2" = 1.031 S.F. VENTILATION
(OPTIONAL AT MULTIPLE BLDG SETS)	
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"	
VENT "D" (ENDWALL):	2'-9" x 6" = 1.375 S.F. VENTILATION
(OPTIONAL AT MULTIPLE BLDG SETS)	
"VENT OPENING ABOVE CONT. SILL AND BLOCK PLATES"	

150 PSF FLOOR LIVE LOAD OPTION
CANNOT BE USED WITH THE STUCCO
WALL OR PARAPET OPTIONS

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 LENGTH ADDED 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 5/F-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
48' x 40'	5" OC AT ENDWALL - 1 / F-0.50 12" OC AT SIDEWALL - 2 / F-0.50 9" OC AT SEPARATION - 4 / F-0.50

VENTING SCHEDULE

BUILDING SIZE	BUILDING AREA	REQUIRED VENTING	SIDEWALL VENTING	ENDWALL VENTING	TOTAL VENTING SUPPLIED
48' x 40'	1920 SF	12.8 SF (1/150)	2.75' x 6" = (6) 1.375 SF / EA (8.25 SF TOTAL)	2.75' x 6" = (4) 1.375 SF / EA (5.5 SF TOTAL)	13.75 SF SEE NOTE #8

TIE PLATE SCHEDULE

BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
48' x 40'	4	16	40

PROJECT SPECIFIC STATE AGENCY APPROVAL

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

PROJECT NAME:

SHEET TITLE:

WOOD FOUNDATION PLAN 48x40 (150 PSF)

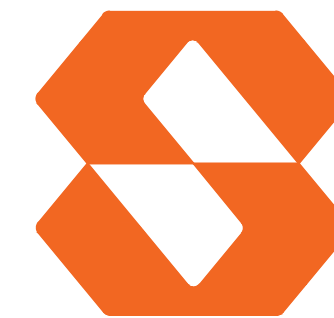
REVISIONS

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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

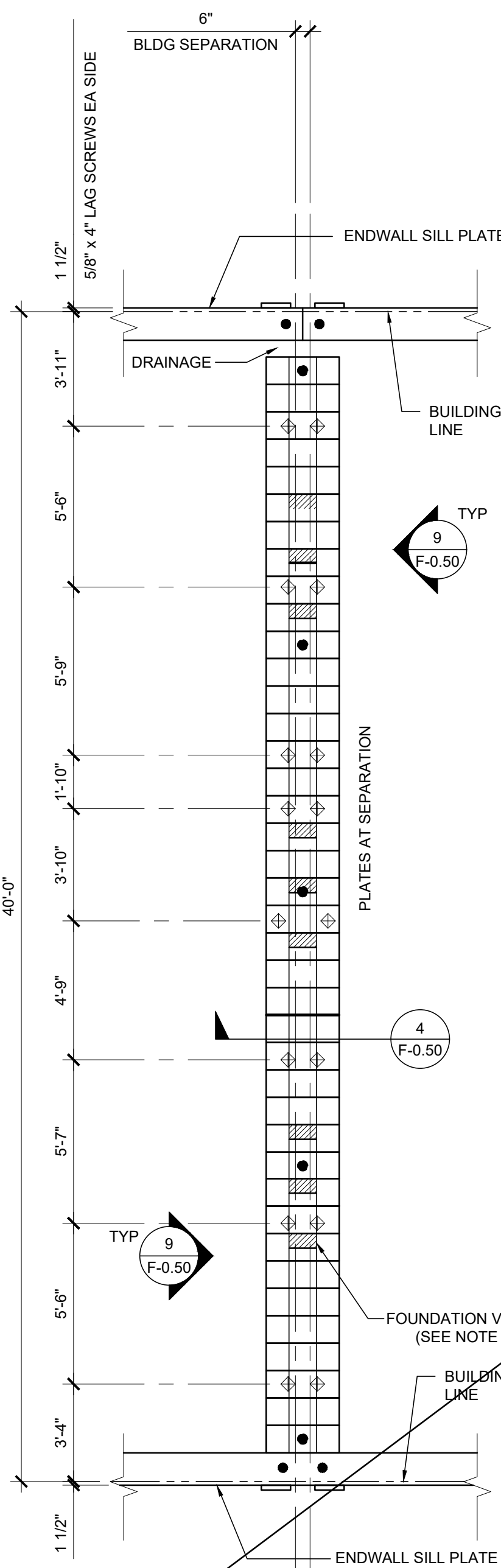
PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

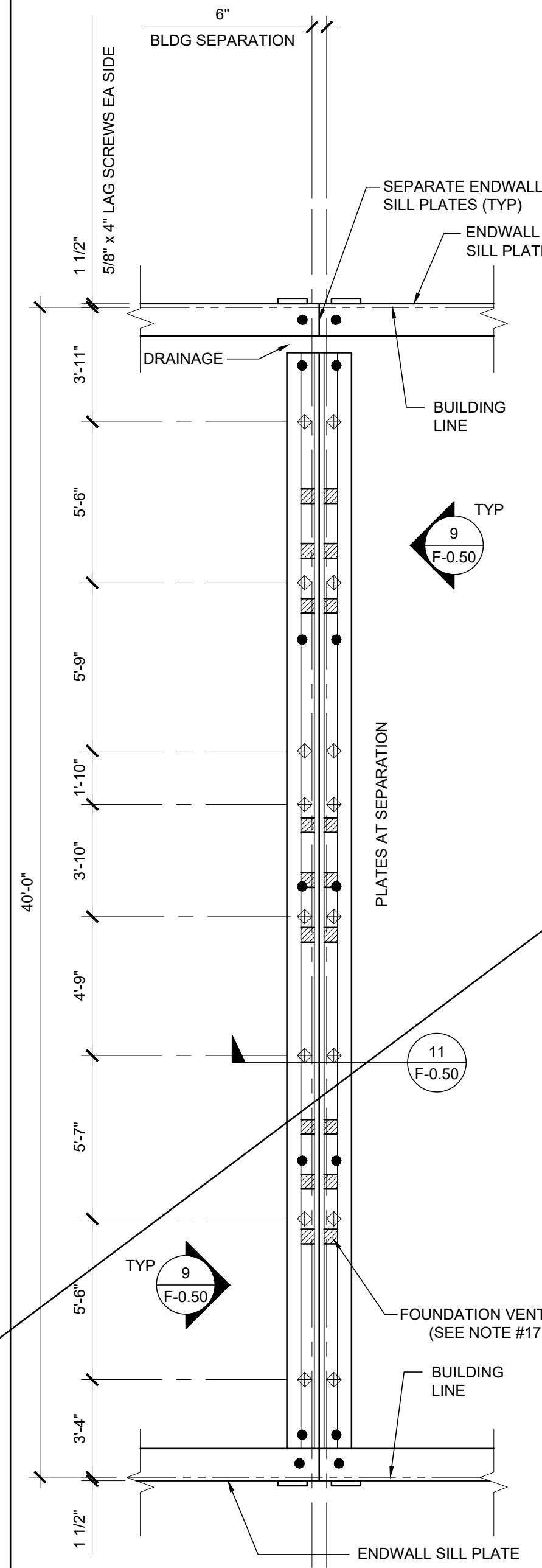
F-0.24

SYMBOLS LEGEND	
	LAG SCREWS
	SILL RESTRAINTS (SEE NOTE #5)

ONE BUILDING

FOOTING AT SEP

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

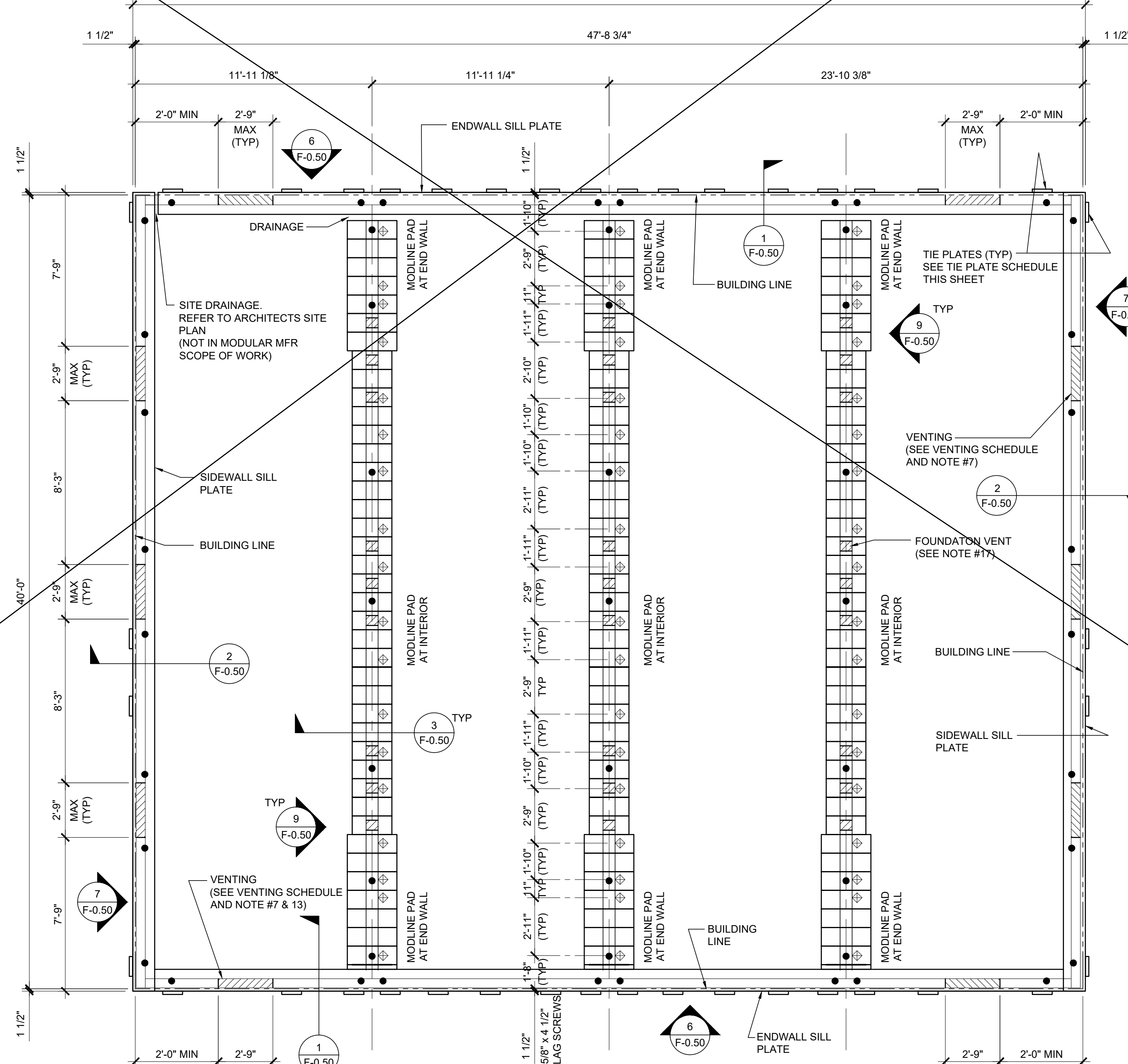


SYMBOLS LEGEND	
	LAG SCREWS
	SILL RESTRAINTS (SEE NOTE #5)

SEPARATE BUILDINGS

FOOTING AT SEP

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

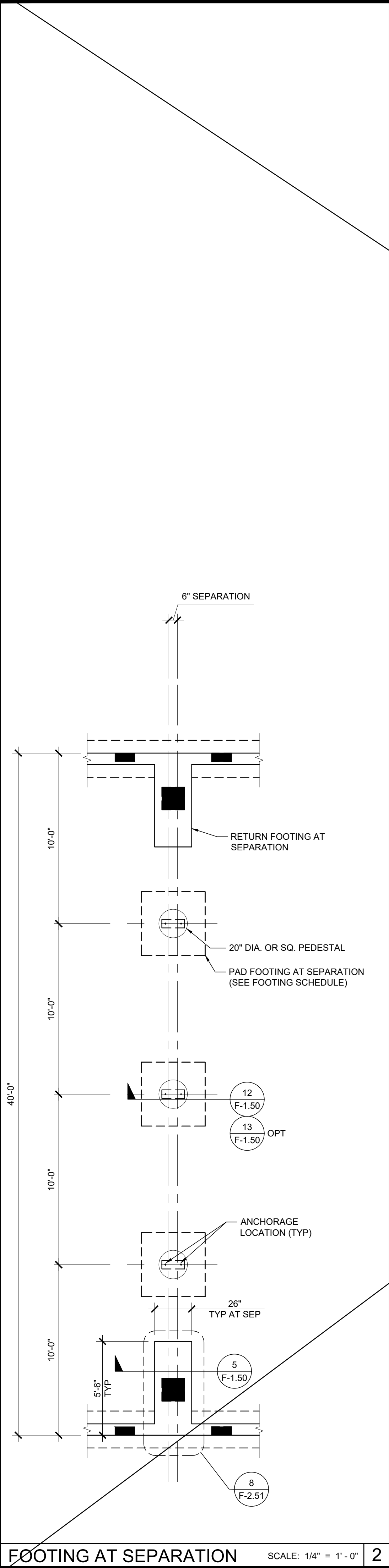


SYMBOLS LEGEND	
	LAG SCREWS
	SILL RESTRAINTS (SEE NOTE #5)

FOUNDATION PLAN

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

1



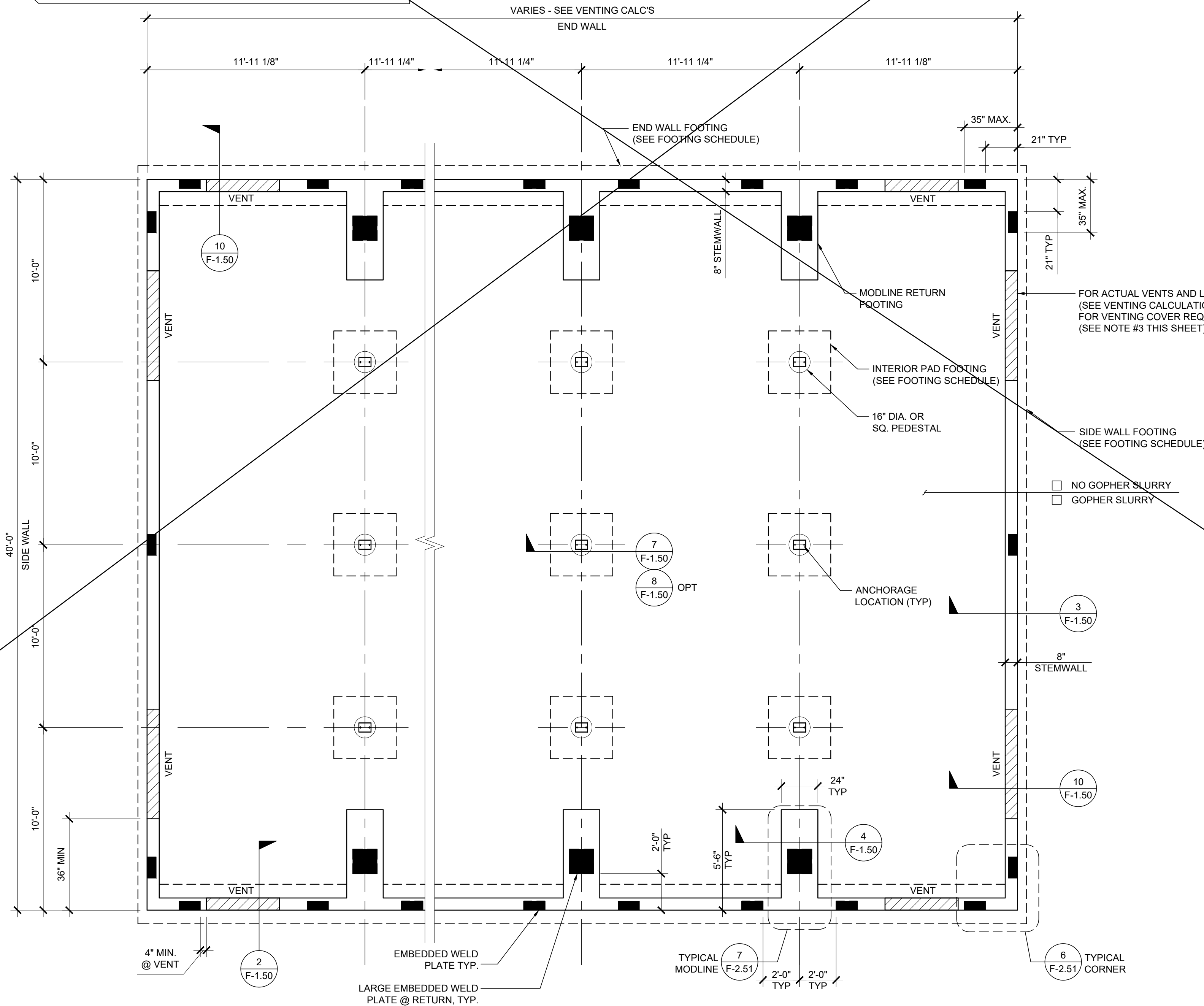
FOOTING AT SEPARATION

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

2

FOUNDATION PLAN

SYMBOLS LEGEND	
	L-6x4x3/8x14 EMBED PLATE PER 9/F-2.51
	6x8x3/8 EMBED PLATE PER 7/F-1.50
	16x16x3/8 EMBED PLATE PER 14/F-2.51



- ANCHORAGE NOTES:
- ANCHOR PLATES SHALL BE PLACED SUCH THAT THE FOLLOWING MINIMUM CRITERIA ARE MET:
 - ONE (1) LARGE ANCHOR PLATE AT EA. END OF EVERY MATE LINE.
 - ONE (1) ANCHOR PLATE WITHIN 35" OF OVERALL BUILDING CORNERS IN EA DIRECTION. (TWO PER MODULE ALONG EACH END WALL)
 - THREE (3) ANCHOR PLATES ALONG EACH SIDE WALL
 - SIDE WALL PLATES SHALL BE PLACED IN THE CORNER (AS NOTED ABOVE) WITH A 3RD PLATE AS CLOSE THE MIDSPAN AS IS POSSIBLE (PLATE LOCATION MAY BE ADJUSTED TO AVOID VENT/ACCESS OPENINGS.
 - ANCHOR PLATES WITHIN 21" OF AN OPENING SHALL BE REINFORCED WITH HAIRPINS PER 18/F-2.51.

NOTES

- FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULE BUILDINGS.
- 8'-0" MAXIMUM VENT SIZE AT SIDE WALLS
4'-0" MAXIMUM VENT SIZE AT END WALLS
3'-0" MINIMUM DISTANCE FROM EDGE OF VENT TO STEMWALL CORNER
2'-0" MINIMUM DISTANCE BETWEEN VENT EDGES
- CRAWLSPACE VAPOR RETARDERS (WHERE INDICATED):

THE 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; EXTEND VAPOR RETARDER A MINIMUM OF 6 INCHES UP THE STEM WALL (MORE IS BETTER); SEAL TO ALL PIERS AND OTHER PENETRATIONS, SEE DETAIL 11/F-2.51.
- VENTILATION OPENINGS SHALL BE COVERED FOR THEIR HEIGHT AND WIDTH WITH A CORROSION-RESISTANT WIRE MESH, WITH THE LEAST DIMENSION NOT EXCEEDING 1/8".
- SOIL BEARING PRESSURE OF 1500 PSF USED FOR DESIGN.
- PROFESSIONAL SOILS REPORT: IF A SOILS REPORT IS REQUIRED BY DSA ON THIS BUILDING(S) AND THE RECOMMENDATIONS CAUSE AN INCREASE IN THE COST OF THE ORIGINAL FOUNDATION, THEN THE DISTRICT AGREES TO ACCEPT AND APPROVE A CHANGE ORDER IN THE AMOUNT OF THE COST INCREASE.
- 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.
- A COLD JOINT MAY BE PROVIDED BETWEEN THE FOOTING AND THE VERTICAL FOUNDATION WALL. THE JOINT SHALL BE KEYED (2 1/2" WIDE (MIN) x 1 1/2" DEEP) AND ALL VERTICAL REINFORCING THAT CROSSES THE JOINT SHALL BE PLACED PRIOR TO THE PLACEMENT OF CONCRETE.

VENTING SCHEDULE

VENT "A": (8'-0" x 8" METAL SCREEN COVER)
7'-10" x 5" = 3.26 S.F. VENTILATION
VENT "B": (6'-0" x 8" METAL SCREEN COVER)
5'-10" x 5" = 2.43 S.F. VENTILATION
VENT "C": (4'-0" x 8" METAL SCREEN COVER)
3'-10" x 5" = 1.59 S.F. VENTILATION
ACCESS/VENT "D": (3'-0" x 2'-0" METAL SCREEN COVER)
2'-10" x 18" = 4.25 S.F. VENTILATION

VENTING CALCULATION:

<input type="checkbox"/> 24' x 40' BUILDING: 24' x 40' = 960 SF / 150 = 6.4 SF VENT. REQ'D 23'-10 1/4"	2 - "C" VENT = 3.18 SF 1 - "D" ACCESS VENT = 4.25 SF 7.43 SF TOTAL VENTILATION (> 6.4 SF)
<input type="checkbox"/> 36' x 40' BUILDING: 36' x 40' = 1440 SF / 150 = 9.6 SF VENT. REQ'D 35'-9 1/2"	1 - "A" VENT = 3.26 SF 1 - "B" VENT = 2.43 SF 1 - "D" ACCESS VENT = 4.25 SF 9.94 SF TOTAL VENTILATION (> 9.6 SF)
<input type="checkbox"/> 48' x 40' BUILDING: 48' x 40' = 1920 SF / 150 = 12.8 SF VENT. REQ'D 47'-8 3/4"	1 - "A" VENT = 3.26 SF 1 - "B" VENT = 4.86 SF 1 - "C" VENT = 1.59 SF 1 - "D" ACCESS VENT = 4.25 SF 13.96 SF TOTAL VENTILATION (> 12.8 SF)
<input type="checkbox"/> 60' x 40' BUILDING: 60' x 40' = 2400 SF / 150 = 16 SF VENT. REQ'D 59'-8"	3 - "A" VENT = 9.78 SF 1 - "B" VENT = 2.43 SF 1 - "D" ACCESS VENT = 4.25 SF 16.46 SF TOTAL VENTILATION (> 16 SF)
<input type="checkbox"/> 72' x 40' BUILDING: 72' x 40' = 2880 SF / 150 = 19.2 SF VENT. REQ'D 71'-7 1/4"	4 - "A" VENT = 13.04 SF 1 - "B" VENT = 2.43 SF 1 - "D" ACCESS VENT = 4.25 SF 19.72 SF TOTAL VENTILATION (> 19.2 SF)
<input type="checkbox"/> 84' x 40' BUILDING: 84' x 40' = 3360 SF / 150 = 22.4 SF VENT. REQ'D 83'-6 1/2"	5 - "A" VENT = 16.30 SF 1 - "B" VENT = 2.43 SF 1 - "D" ACCESS VENT = 4.25 SF 22.98 SF TOTAL VENTILATION (> 22.4 SF)
<input type="checkbox"/> 96' x 40' BUILDING: 96' x 40' = 3840 SF / 150 = 25.6 SF VENT. REQ'D 95'-5 3/4"	6 - "A" VENT = 19.56 SF 2 - "C" VENT = 3.18 SF 1 - "D" ACCESS VENT = 4.25 SF 26.99 SF TOTAL VENTILATION (> 25.6 SF)
<input type="checkbox"/> 108' x 40' BUILDING: 108' x 40' = 4320 SF / 150 = 28.8 SF VENT. REQ'D 107'-5"	4 - "A" VENT = 13.04 SF 2 - "B" VENT = 4.86 SF 5 - "C" VENT = 7.95 SF 1 - "D" ACCESS VENT = 4.25 SF 30.10 SF TOTAL VENTILATION (> 28.8 SF)
<input type="checkbox"/> 120' x 40' BUILDING: 120' x 40' = 4800 SF / 150 = 32 SF VENT. REQ'D 119'-4 1/4"	6 - "A" VENT = 19.56 SF 6 - "C" VENT = 9.54 SF 1 - "D" ACCESS VENT = 4.25 SF 33.35 SF TOTAL VENTILATION (> 32 SF)

FOOTING SCHEDULE

DESIGN FLOOR LIVE LOAD	SIDEWALL FOOTING	ENDWALL FOOTING	INTERIOR PAD FOOTING	PAD FOOTING AT SEPARATION
<input type="checkbox"/> 50 PSF	12" WIDE (3) #5 CONT T&B	18" WIDE (3) #5 CONT T&B	3'-0" SQ (3) #5 EW	3'-10" SQ (4) #5 EW
<input type="checkbox"/> 50 + 15 PSF	12" WIDE (2) #5 CONT T&B	18" WIDE (3) #5 CONT T&B	3'-0" SQ (3) #5 EW	3'-10" SQ (4) #5 EW
<input type="checkbox"/> 100 PSF	12" WIDE (2) #5 CONT T&B	18" WIDE (3) #5 CONT T&B	3'-4" SQ (3) #5 EW	4'-2" SQ (4) #5 EW
<input type="checkbox"/> 150 PSF	14" WIDE (2) #5 CONT T&B	20" WIDE (3) #5 CONT T&B	4'-0" SQ (4) #5 EW	4'-8" SQ (4) #5 EW

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:

SHEET TITLE:

CONCRETE FOUNDATION PLAN ABOVE GRADE WOOD FLOOR

REVISIONS

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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. 04.12.1999 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

F-1.01

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

1

- ANCHORAGE NOTES:
- ANCHOR PLATES SHALL BE PLACED SUCH THAT THE FOLLOWING MINIMUM CRITERIA ARE MET:
 - ONE (1) LARGE ANCHOR PLATE AT EA. END OF EVERY MATE LINE.
 - ONE (1) ANCHOR PLATE WITHIN 35" OF OVERALL BUILDING CORNERS IN EA DIRECTION. (TWO PER MODULE ALONG EACH END WALL)
 - THREE (3) ANCHOR PLATES ALONG EACH SIDE WALL
 - SIDE WALL PLATES SHALL BE PLACED IN THE CORNER (AS NOTED ABOVE) WITH A 3RD PLATE AS CLOSE THE MIDSPAN AS IS POSSIBLE (PLATE LOCATION MAY BE ADJUSTED TO AVOID VENT/ACCESS OPENINGS.
 - ANCHOR PLATES WITHIN 21" OF AN OPENING SHALL BE REINFORCED WITH HAIRPINS PER 18/F-2.51.

NOTES

- FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULE BUILDINGS.
- 8'-0" MAXIMUM VENT SIZE AT SIDE WALLS
4'-0" MAXIMUM VENT SIZE AT END WALLS
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2'-0" MINIMUM DISTANCE BETWEEN VENT EDGES
- CRAWLSPACE VAPOR RETARDERS (WHERE INDICATED):

THE 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; EXTEND VAPOR RETARDER A MINIMUM OF 6 INCHES UP THE STEM WALL (MORE IS BETTER); SEAL TO ALL PIERS AND OTHER PENETRATIONS, SEE DETAIL 11/F-2.51.
- VENTILATION OPENINGS SHALL BE COVERED FOR THEIR HEIGHT AND WIDTH WITH A CORROSION-RESISTANT WIRE MESH, WITH THE LEAST DIMENSION NOT EXCEEDING 1/8".
- SOIL BEARING PRESSURE OF 1500 PSF USED FOR DESIGN.
- PROFESSIONAL SOILS REPORT: IF A SOILS REPORT IS REQUIRED BY DSA ON THIS BUILDING(S) AND THE RECOMMENDATIONS CAUSE AN INCREASE IN THE COST OF THE ORIGINAL FOUNDATION, THEN THE DISTRICT AGREES TO ACCEPT AND APPROVE A CHANGE ORDER IN THE AMOUNT OF THE COST INCREASE.
- 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 4'-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.
- A COLD JOINT MAY BE PROVIDED BETWEEN THE FOOTING AND THE VERTICAL FOUNDATION WALL. THE JOINT SHALL BE KEYED (2 1/2" WIDE (MIN) x 1 1/2" DEEP) AND ALL VERTICAL REINFORCING THAT CROSSES THE JOINT SHALL BE PLACED PRIOR TO THE PLACEMENT OF CONCRETE.

VENTING SCHEDULE

VENT "A": (8'-0" x 8" METAL SCREEN COVER)
7'-10" x 5" = 3.26 S.F. VENTILATION
VENT "B": (6'-0" x 8" METAL SCREEN COVER)
5'-10" x 5" = 2.43 S.F. VENTILATION
VENT "C": (4'-0" x 8" METAL SCREEN COVER)
3'-10" x 5" = 1.59 S.F. VENTILATION
ACCESS/VENT "D": (3'-0" x 2'-0" METAL SCREEN COVER)
2'-10" x 18" = 4.25 S.F. VENTILATION

VENTING CALCULATION:

24' x 40' BUILDING: 24' x 40' = 960 SF / 150 = 6.4 SF VENT. REQ'D
2 - "C" VENT = 3.18 SF
1 - "D" ACCESS VENT = 4.25 SF
7.43 SF TOTAL VENTILATION (> 6.4 SF)

36' x 40' BUILDING: 36' x 40' = 1440 SF / 150 = 9.6 SF VENT. REQ'D
1 - "A" VENT = 3.26 SF
1 - "B" VENT = 2.43 SF
1 - "D" ACCESS VENT = 4.25 SF
9.94 SF TOTAL VENTILATION (> 9.6 SF)

48' x 40' BUILDING: 48' x 40' = 1920 SF / 150 = 12.8 SF VENT. REQ'D
1 - "A" VENT = 3.26 SF
2 - "B" VENT = 4.86 SF
1 - "C" VENT = 1.59 SF
1 - "D" ACCESS VENT = 4.25 SF
13.96 SF TOTAL VENTILATION (> 12.8 SF)

60' x 40' BUILDING: 60' x 40' = 2400 SF / 150 = 16 SF VENT. REQ'D
3 - "A" VENT = 9.78 SF
1 - "B" VENT = 2.43 SF
1 - "D" ACCESS VENT = 4.25 SF
16.46 SF TOTAL VENTILATION (> 16 SF)

72' x 40' BUILDING: 72' x 40' = 2880 SF / 150 = 19.2 SF VENT. REQ'D
4 - "A" VENT = 13.04 SF
1 - "B" VENT = 2.43 SF
1 - "D" ACCESS VENT = 4.25 SF
19.72 SF TOTAL VENTILATION (> 19.2 SF)

84' x 40' BUILDING: 84' x 40' = 3360 SF / 150 = 22.4 SF VENT. REQ'D
5 - "A" VENT = 16.30 SF
1 - "B" VENT = 2.43 SF
1 - "D" ACCESS VENT = 4.25 SF
22.98 SF TOTAL VENTILATION (> 22.4 SF)

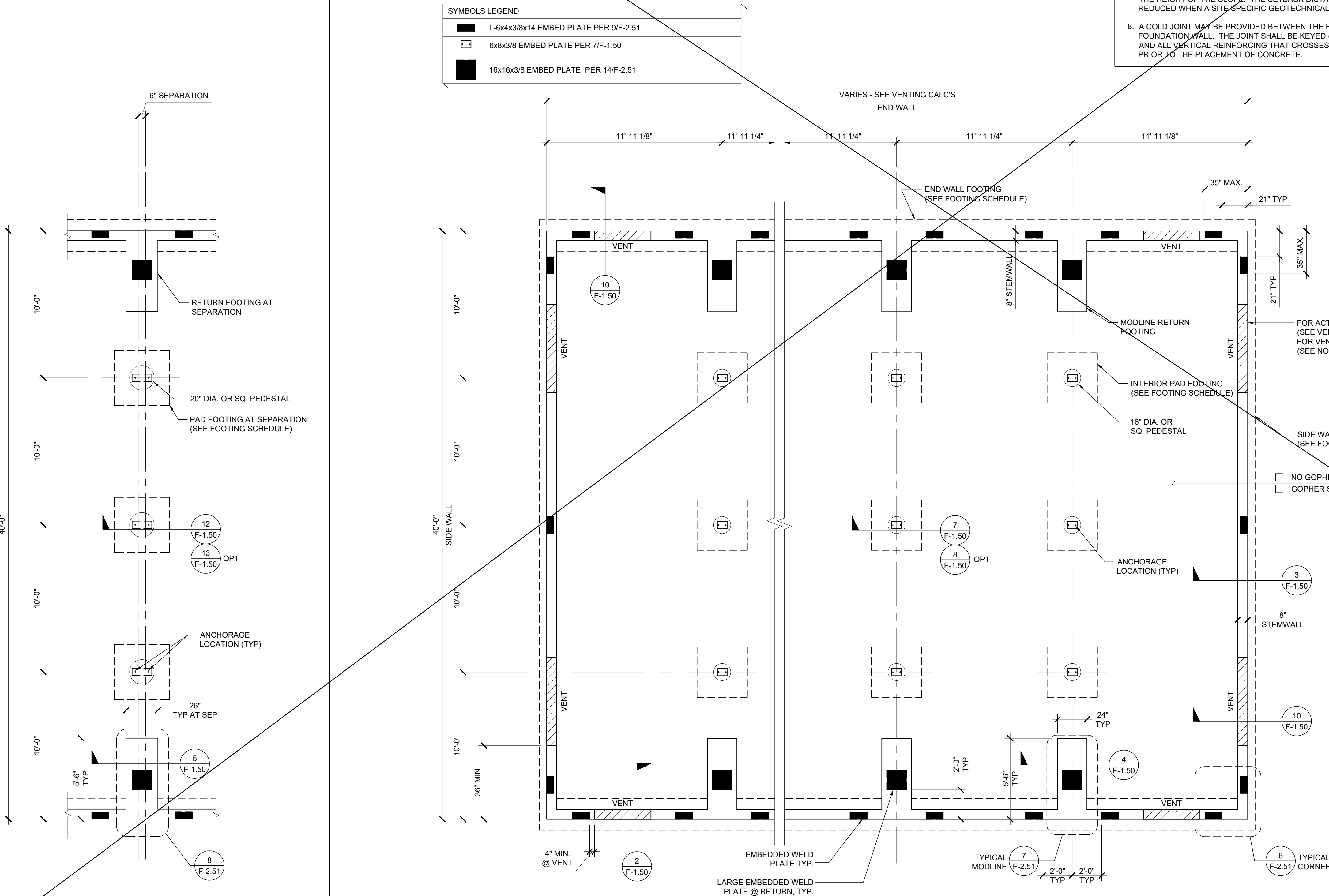
96' x 40' BUILDING: 96' x 40' = 3840 SF / 150 = 25.6 SF VENT. REQ'D
6 - "A" VENT = 19.56 SF
2 - "C" VENT = 3.18 SF
1 - "D" ACCESS VENT = 4.25 SF
26.99 SF TOTAL VENTILATION (> 25.6 SF)

108' x 40' BUILDING: 108' x 40' = 4320 SF / 150 = 28.8 SF VENT. REQ'D
4 - "A" VENT = 13.04 SF
2 - "B" VENT = 4.86 SF
5 - "C" VENT = 7.95 SF
1 - "D" ACCESS VENT = 4.25 SF
30.10 SF TOTAL VENTILATION (> 28.8 SF)

120' x 40' BUILDING: 120' x 40' = 4800 SF / 150 = 32 SF VENT. REQ'D
6 - "A" VENT = 19.56 SF
6 - "C" VENT = 9.54 SF
1 - "D" ACCESS VENT = 4.25 SF
33.35 SF TOTAL VENTILATION (> 32 SF)

FOOTING SCHEDULE

DESIGN FLOOR LIVE LOAD	SIDEWALL FOOTING	ENDWALL FOOTING	INTERIOR PAD FOOTING	PAD FOOTING AT SEPARATION
50 PSF	12" WIDE (2) #5 CONT T&B	18" WIDE (3) #5 CONT T&B	3'-2" SQ (3) #5 EW	4'-0" SQ (4) #5 EW
50 + 15 PSF	12" WIDE (2) #5 CONT T&B	18" WIDE (3) #5 CONT T&B	3'-2" SQ (3) #5 EW	4'-0" SQ (4) #5 EW
100 PSF	12" WIDE (2) #5 CONT T&B	18" WIDE (3) #5 CONT T&B	3'-6" SQ (3) #5 EW	4'-5" SQ (4) #5 EW
150 PSF	16" WIDE (2) #5 CONT T&B	20" WIDE (3) #5 CONT T&B	4'-2" SQ (4) #5 EW	5'-0" SQ (5) #5 EW



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:

SHEET TITLE:

CONCRETE FOUNDATION PLAN ABOVE GRADE CONCRETE FLOOR

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. 04.12.1999 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:

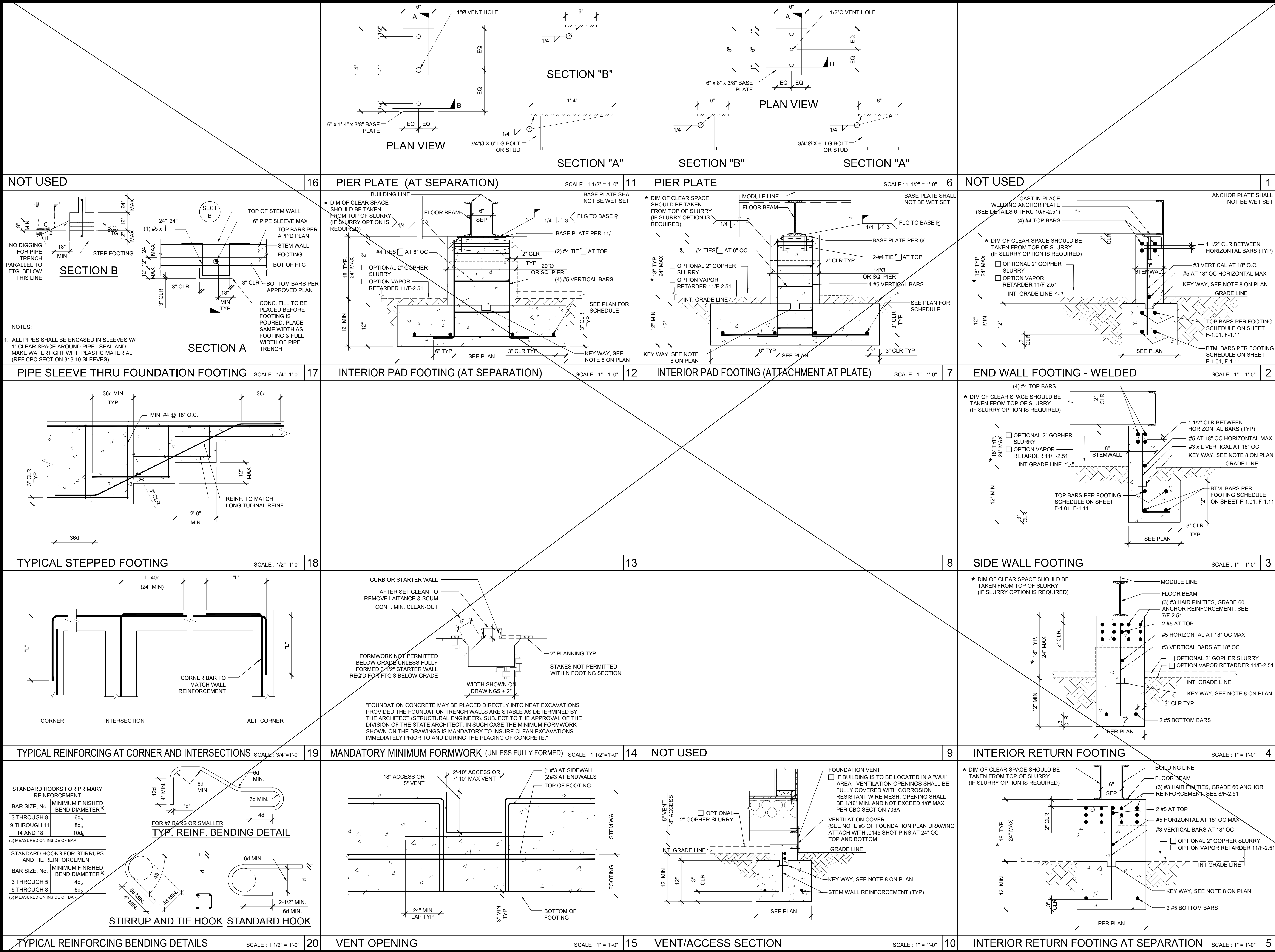
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

F-1.11



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:

SHEET TITLE:

CONCRETE FOUNDATION DETAILS ABOVE GRADE

REVISIONS

PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

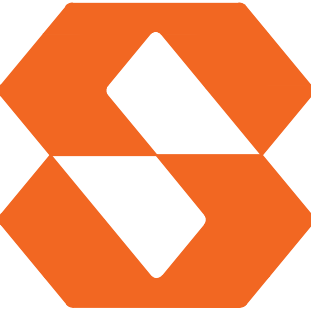
APP. 04 121999 INC.

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 08/31/2023

PC STATE AGENCY APPROVAL




Silver Creek

2830 BARRETT AVE PERRIS, CALIFORNIA 92571

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES

24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

F-1.50


1. FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULE BUILDINGS.
2. 8'-0" MAXIMUM VENT SIZE AT SIDE WALLS
4'-0" MAXIMUM VENT SIZE AT END WALLS
3'-0" MINIMUM DISTANCE FROM EDGE OF VENT TO STEMWALL CORNER
2'-0" MINIMUM DISTANCE BETWEEN VENT EDGES
3. CRAWLSPACE VAPOR RETARDERS (WHERE OCCURS):

VENT "A": (8'-0" x 8" METAL SCREEN COVER)
7'-10" x 5" = 3.26 S.F. VENTILATION

VENT "B": (6'-0" x 8" METAL SCREEN COVER)
5'-10" x 5" = 2.43 S.F. VENTILATION


VENT "C": (4'-0" x 8" METAL SCREEN COVER)
3'-10" x 5" = 1.59 S.F. VENTILATION

ACCESS/VENT "D": (3'-0" x 2'-0" METAL SCREEN COVER)
2'-10" x 18" = 4.25 S.F. VENTILATION

☐ 24' x 40' BUILDING: $24' \times 40' = 960 \text{ SF} / 150 = 6.4 \text{ SF VENT. REQ'D}$


2 - "C" VENT =	3.18 SF
1 - "D" ACCESS VENT =	<u>4.25 SF</u>
	7.43 SF TOTAL VENTILATION (> 6.4 SF)

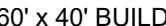
☐ 36' x 40' BUILDING: 36' x 40' = 1440 SF / 150 = 9.6 SF VENT. REQ'D

 1 - "A" VENT = 3.26 SF
1 - "B" VENT = 2.43 SF
1 - "D" ACCESS VENT = 4.25 SF

☐ 48' x 40' BUILDING: 48' x 40' = 1920 SF / 150 = 12.8 SF VENT. REQ'D

	1 - "A" VENT =	3.26 SF	TOTAL VENTILATION (> 12.8 SF)
	2 - "B" VENT =	4.86 SF	
	1 - "C" VENT =	1.59 SF	
	1 - "D" ACCESS VENT =	<u>4.25 SF</u>	
		13.96 SF	

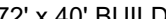
☐ 60' x 40' BUILDING: 60' x 40' = 2400 SF / 150 = 16 SF VENT. REQ'D



3 - "A" VENT = 9.78 SF
1 - "B" VENT = 2.43 SF
1 - "D" ACCESS VENT = 4.25 SF

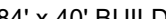
16.46 SF TOTAL VENTILATION (> 16 SF)

☐ 72' x 40' BUILDING: 72' x 40' = 2880 SF / 150 = 19.2 SF VENT. REQ'D

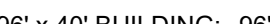


4 - "A" VENT =	13.04 SF
1 - "B" VENT =	2.43 SF
1 - "D" ACCESS VENT =	4.25 SF
	19.72 SF TOTAL VENTILATION (> 19.2 S

☐ 84' x 40' BUILDING: 84' x 40' = 3360 SF / 150 = 22.4 SF VENT. REQ'D



5 - "A" VENT =	16.30 SF
1 - "B" VENT =	2.43 SF
1 - "D" ACCESS VENT =	<u>4.25 SF</u>
	22.98 SF TOTAL VENTILATION (> 22.4 SF)

☐ 96' x 40' BUILDING: 96' x 40' = 3840 SF / 150 = 25.6 SF VENT. REQ'D


6 - "A" VENT =	19.56 SF
2 - "C" VENT =	3.18 SF
1 - "D" ACCESS VENT =	<u>4.25 SF</u>
	26.99 SF TOTAL VENTILATION (> 25.6 SF)

☐ 108' x 40' BUILDING: $108' \times 40' = 4320 \text{ SF} / 150 = 28.8 \text{ SF VENT. REQ'D}$

4 - "A" VENT = 13.04 SF

2 - "B" VENT = 4.86 SF

5 - "C" VENT = 7.95 SF

1 - "D" ACCESS VENT = 4.25 SF

<input type="checkbox"/> 120' x 40' BUILDING: $120' \times 40' = 4800 \text{ SF} / 150 = 32 \text{ SF VENT. REQ'D}$	
A	C
A	C D C
A	A
A	A
	6 - "A" VENT = 19.56 SF
	6 - "C" VENT = 9.54 SF
	1 - "D" ACCESS VENT = 4.25 SF
	33.35 SF TOTAL VENTILATION (> 32 SF)

DESIGN FLOOR LIVE LOAD		SIDEWALL FOOTING	ENDWALL FOOTING	INTERIOR PAD FOOTING	PAD FOOTING AT SEPARATION
<input type="checkbox"/>	50 PSF	12" WIDE (2) #5 CONT T&B	18" WIDE (3) #5 CONT T&B	3'-0" SQ (3) #5 EW	3'-10" SQ (4) #5 EW
<input type="checkbox"/>	50 + 15 PSF	12" WIDE (2) #5 CONT T&B	18" WIDE (3) #5 CONT T&B	3'-0" SQ (2) #5 EW	3'-10" SQ (4) #5 EW
<input type="checkbox"/>	100 PSF	12" WIDE (2) #5 CONT T&B	18" WIDE (3) #5 CONT T&B	3'-4" SQ (3) #5 EW	4'-2" SQ (4) #5 EW
<input type="checkbox"/>	150 PSF	14" WIDE (2) #5 CONT T&B	20" WIDE (3) #5 CONT T&B	4'-0" SQ (4) #5 EW	4'-8" SQ (4) #5 EW

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND

HEET TITLE

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.

RAWN BY: _____
SCALE: _____ AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

F-2.01

SYMBOLS LEGEND	
	L-6x4x3/8x14 EMBED PLATE PER 9/F-2.51
	6x8x3/8 EMBED PLATE PER 7/F-2.50
	16x16x3/8 EMBED PLATE PER 14/F-2.51

VARIES - SEE VENTING CALC'S
END WALL

VARIES - SEE VENTING CALC'S
END WALL

11'-11 1/8" 11'-11 1/4" 11'-11 1/4" 11'-11 1/4" 11'-11 1/8"

36" MIN. 2' X 3' ACCESS GRATE
SEE DETAIL 9/F2.50

ACCESS

10 F-2.50

END WALL FOOTING
(SEE FOOTING SCHEDULE)

8" STEMWALL

35" MAX. 21" TYP

VENT

MODLINE RETURN FOOTING

INTERIOR PAD FOOTING
(SEE FOOTING SCHEDULE)

16" DIA. OR
SQ. PEDESTAL

FOR ACTUAL VENTS AND LOCATIONS
(SEE VENTING CALCULATIONS)

SIDE WALL FOOTING
(SEE FOOTING SCHEDULE)

NO GOPHER SLURRY
GOPHER SLURRY

40'-0" SIDE WALL

10'-0" 10'-0" 10'-0"

35" MIN.

4" MIN.
@ VENT

VENT

2 F-2.50

EMBEDDED WELD
PLATE TYP.

LARGE EMBEDDED WELD
PLATE @ RETURN, TYP.

7 F-2.50 OPT

8 F-2.50

ANCHORAGE
LOCATION (TYP)

3 F-2.50

8" STEMWALL

10 F-2.50

24" TYP

5'-6" TYP

2'-0" TYP

4 F-1.50

7 F-2.51

2'-0" TYP 2'-0" TYP

6 F-2.51 TYPICAL CORNER

☐ NO GOPHER SLURRY

☐ GOPHER SLURRY

3
F-2.50

STEMWALL

1

	10
	F-2.50

1

)

100

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

FOOTING AT SEPARATION

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

2	FOUNDATION PLAN
---	-----------------

ANCHORAGE NOTES:

- 1. ANCHOR PLATES SHALL BE PLACED SUCH THAT THE FOLLOWING MINIMUM CRITERIA ARE MET:
 - ONE (1) LARGE ANCHOR PLATE AT EA. END OF EVERY MATE LINE.
 - ONE (1) ANCHOR PLATE WITHIN 35" OF OVERALL BUILDING CORNERS IN EA DIRECTION. (TWO PER MOUNT ALONG EACH END WALL)
- 2. THREE (3) ANCHOR PLATES ALONG EACH SIDE WALL
- 3. SIDE WALL PLATE SHALL BE PLACED IN THE CORNER (AS NOTED ABOVE) WITH A 3RD PLATE AS CLOSE TO THE MIDSPAN AS IS POSSIBLE (PLATE LOCATION MAY BE ADJUSTED TO AVOID VENT/ACCESS OPENINGS.
- 3. ANCHOR PLATES WITHIN 21" OF AN OPENING SHALL BE REINFORCED WITH HAIRPINS PER 18IF-2.51.

NOTES

1. FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULE BUILDINGS.
2. 8'-0" MAXIMUM VENT SIZE AT SIDE WALLS
4'-0" MAXIMUM VENT SIZE AT END WALLS
3'-0" MINIMUM DISTANCE FROM EDGE OF VENT TO STEMWALL CORNER
2'-0" MINIMUM DISTANCE BETWEEN VENT EDGES
3. CRAWLSPACE VAPOR RETARDERS (WHERE OCCURS):

THE TOTAL AREA OF VENTILATION OPENINGS IS REQUIRED 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; EXTEND VAPOR RETARDER A MINIMUM OF 6 INCHES UP THE STEM WALL (MORE IS BETTER); SEAL TO ALL PIERS AND OTHER PENETRATIONS, SEE DETAIL 11/F-2.51.
4. SOIL BEARING PRESSURE OF 1500 PSF USED FOR DESIGN.
5. PROFESSIONAL SOILS REPORT: IF A SOILS REPORT IS REQUIRED BY DSA ON THIS BUILDING(S) AND THE RECOMMENDATIONS CAUSE AN INCREASE IN THE COST OF THE ORIGINAL FOUNDATION, THEN THE DISTRICT AGREES TO ACCEPT AND APPROVE A CHANGE ORDER IN THE AMOUNT OF THE COST INCREASE.
6. 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 4'-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.
7. A COLD JOINT MAY BE PROVIDED BETWEEN THE FOOTING AND THE VERTICAL FOUNDATION WALL. THE JOINT SHALL BE KEYED (2" X 1/2" DEEP) AND ALL VERTICAL REINFORCING THAT CROSSES THE JOINT SHALL BE PLACED PRIOR TO THE PLACEMENT OF CONCRETE.

VENTING SCHEDULE

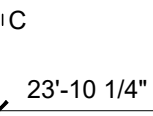



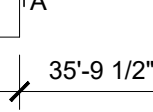

VENT "A": (8'-0" x 8" METAL SCREEN COVER)
7'-10" x 5" = 3.26 S.F. VENTILATION

VENT "B": (6'-0" x 8" METAL SCREEN COVER)
5'-10" x 5" = 2.43 S.F. VENTILATION

VENT "C": (4'-0" x 8" METAL SCREEN COVER)
3'-10" x 5" = 1.59 S.F. VENTILATION

ACCESS/VENT "D": (3'-0" x 2'-0" METAL SCREEN COVER)
2'-10" x 18" = 4.25 S.F. VENTILATION

VENTING CALCULATION:

<input type="checkbox"/> 24' x 40' BUILDING:	24' x 40' = 960 SF / 150 = 6.4 SF VENT. REQ'D
	2 - "C" VENT = 3.18 SF 1 - "D" ACCESS VENT = <u>4.25 SF</u> 7.43 SF TOTAL VENTILATION (> 6.4 SF)
	
<input type="checkbox"/> 36' x 40' BUILDING:	36' x 40' = 1440 SF / 150 = 9.6 SF VENT. REQ'D
	1 - "A" VENT = 3.26 SF 1 - "B" VENT = 2.43 SF 1 - "D" ACCESS VENT = <u>4.25 SF</u> 9.94 SF TOTAL VENTILATION (> 9.6 SF)
	
<input type="checkbox"/> 48' x 40' BUILDING:	48' x 40' = 1920 SF / 150 = 12.8 SF VENT. REQ'D
	1 - "A" VENT = 3.26 SF 2 - "B" VENT = 4.86 SF 1 - "C" VENT = 1.59 SF 1 - "D" ACCESS VENT = <u>4.25 SF</u> 13.96 SF TOTAL VENTILATION (> 12.8 SF)
	

PROJECT SPECIFIC STATE AGENCY APPROVAL

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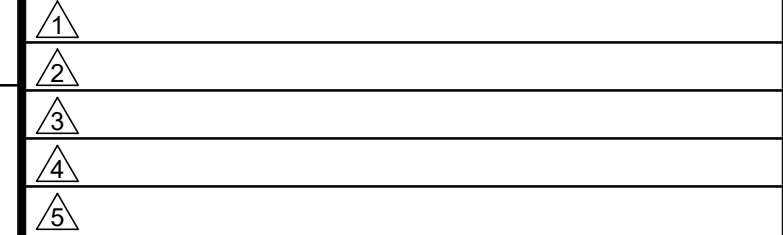
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PROJECT NAME:

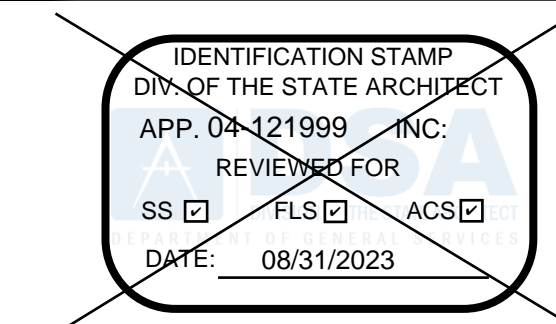
SHEET TITLE:

CONCRETE
FOUNDATION PLAN
BELOW GRADE
CONCRETE FLOOR

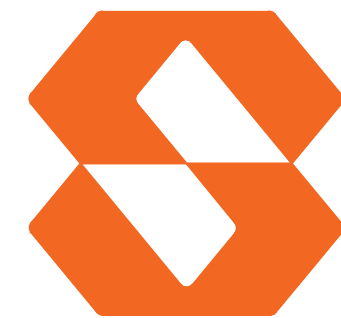
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PC STATE AGENCY APPROVAL



Silver Creek

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

FOOTING SCHEDULE

	DESIGN FLOOR LIVE LOAD	SIDEWALL FOOTING	ENDWALL FOOTING	INTERIOR PAD FOOTING	PAD FOOTING AT SEPARATION
<input type="checkbox"/>	50 PSF	12" WIDE (2) #5 CONT T&B	18" WIDE (3) #5 CONT T&B	3'-2" SQ (3) #5 EW	4'-0" SQ (4) #5 EW
<input type="checkbox"/>	50 + 15 PSF	12" WIDE (2) #5 CONT T&B	18" WIDE (3) #5 CONT T&B	3'-2" SQ (3) #5 EW	4'-0" SQ (4) #5 EW
<input type="checkbox"/>	100 PSF	12" WIDE (2) #5 CONT T&B	18" WIDE (3) #5 CONT T&B	3'-6" SQ (3) #5 EW	4'-5" SQ (4) #5 EW
<input type="checkbox"/>	150 PSF	16" WIDE (2) #5 CONT	20" WIDE (3) #5 CONT	4'-2" SQ (4) #5 EW	5'-0" SQ (5) #5 EW

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

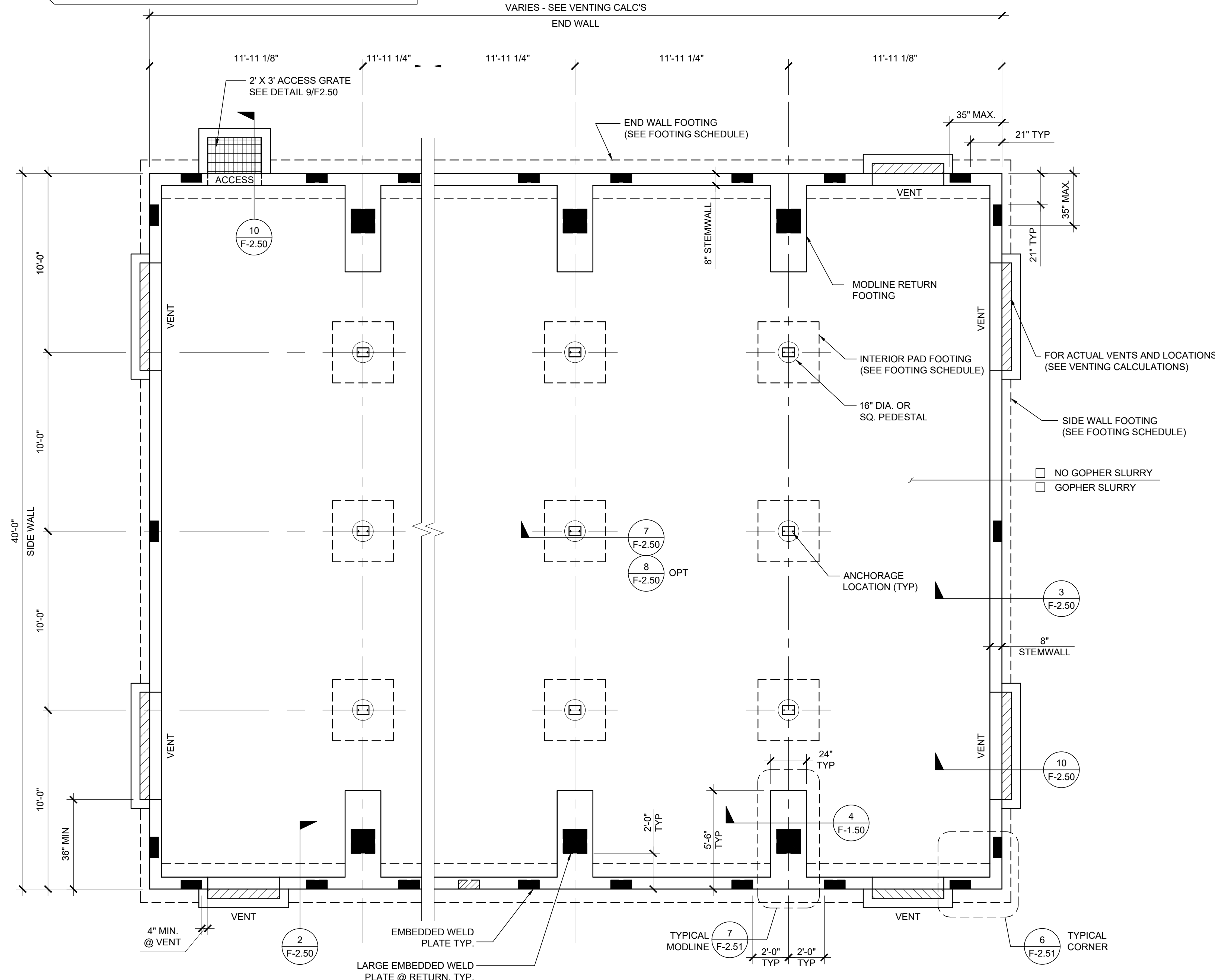
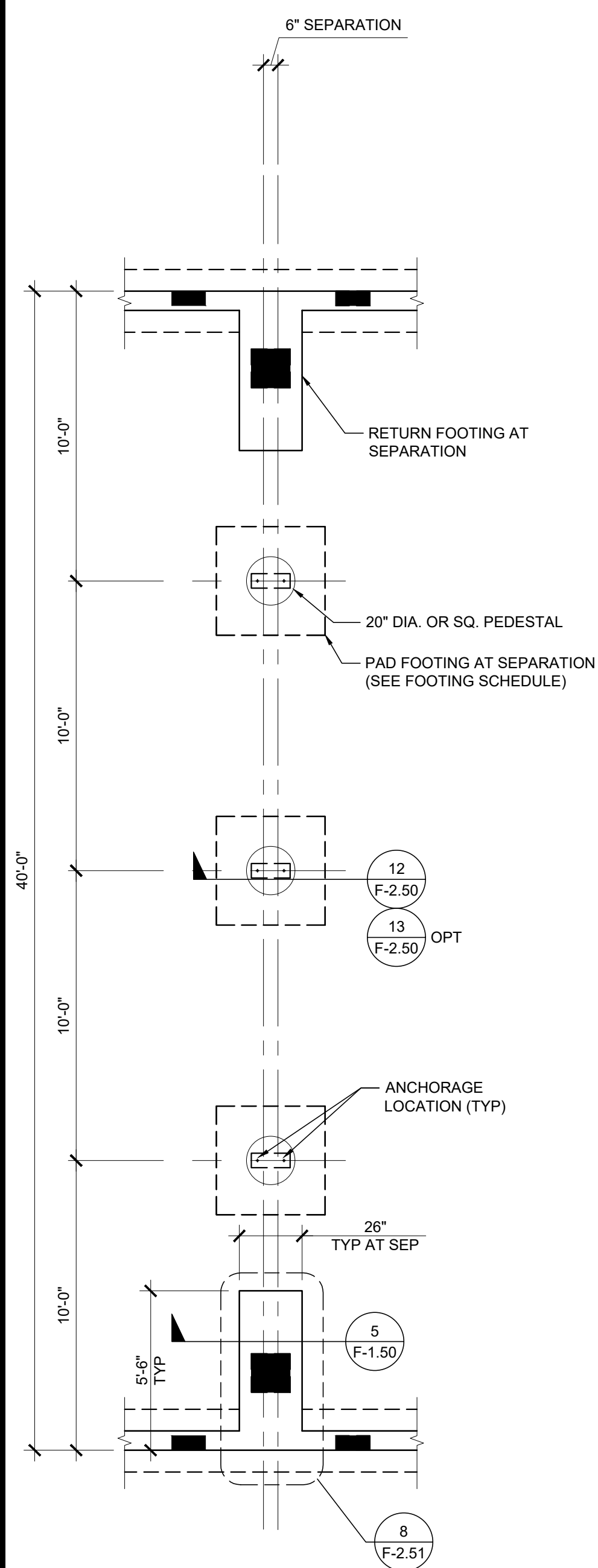
DRAWN BY

SCALE: AS NOTED

DATE:	02-27-2023
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P.C. SHEET NUMBER

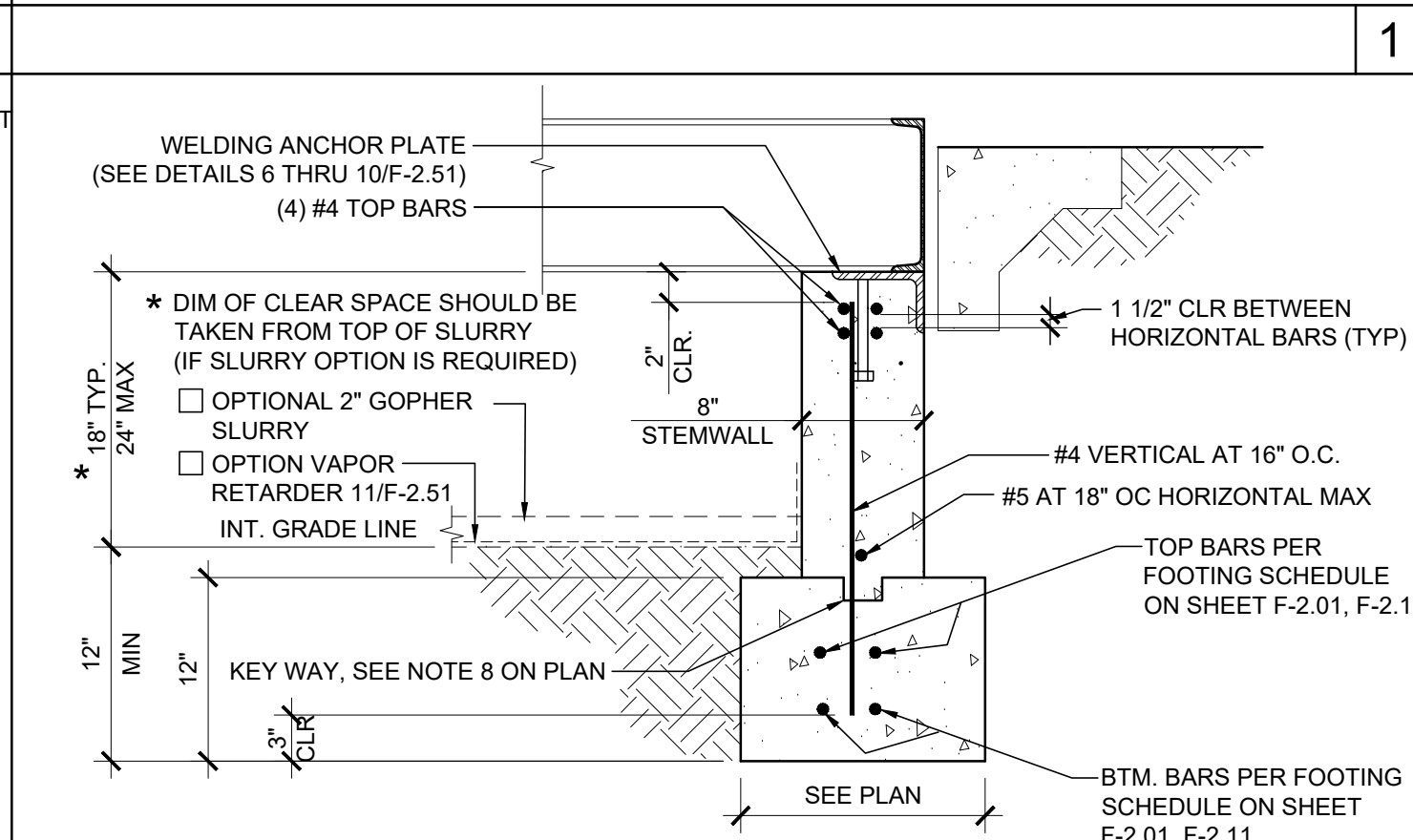
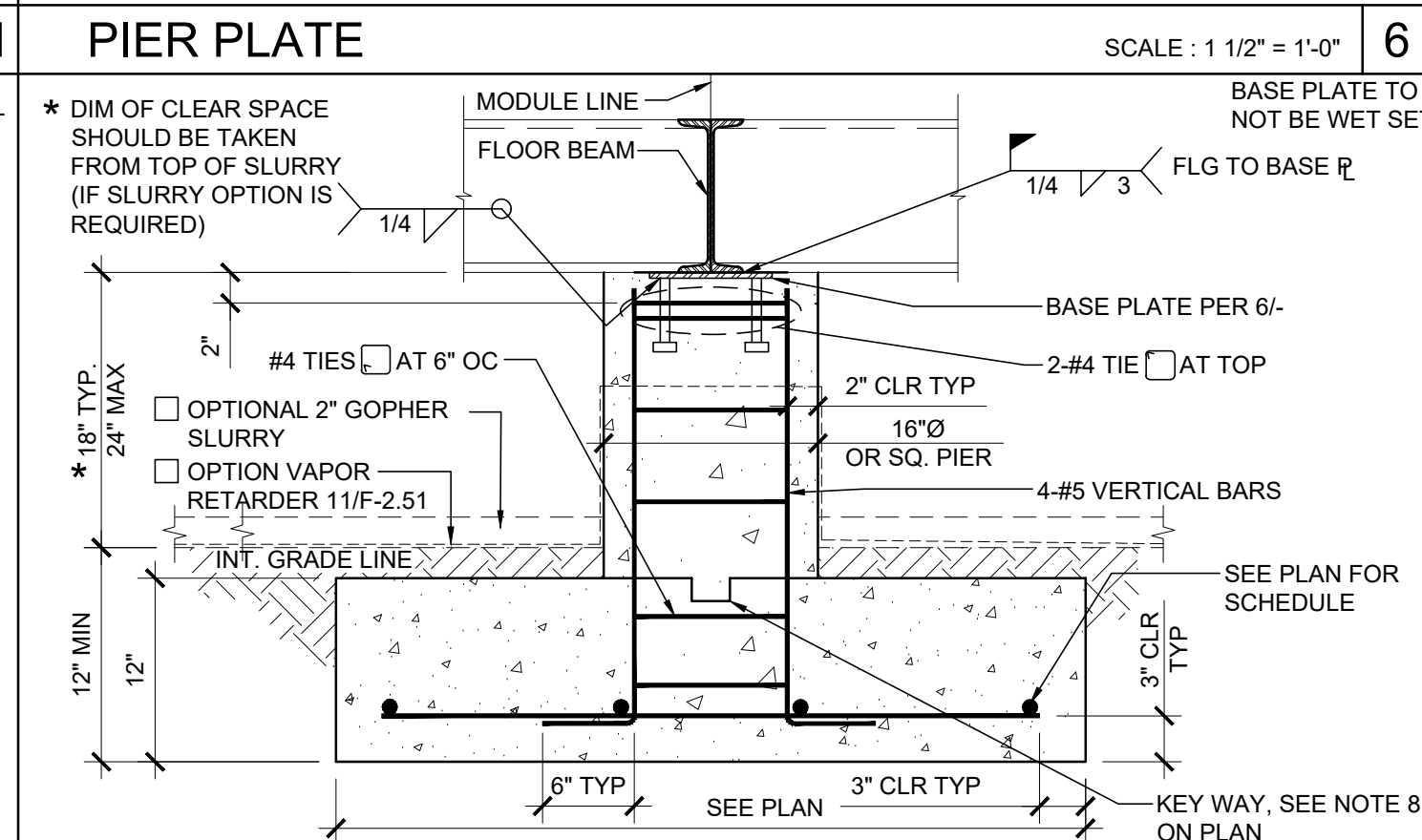
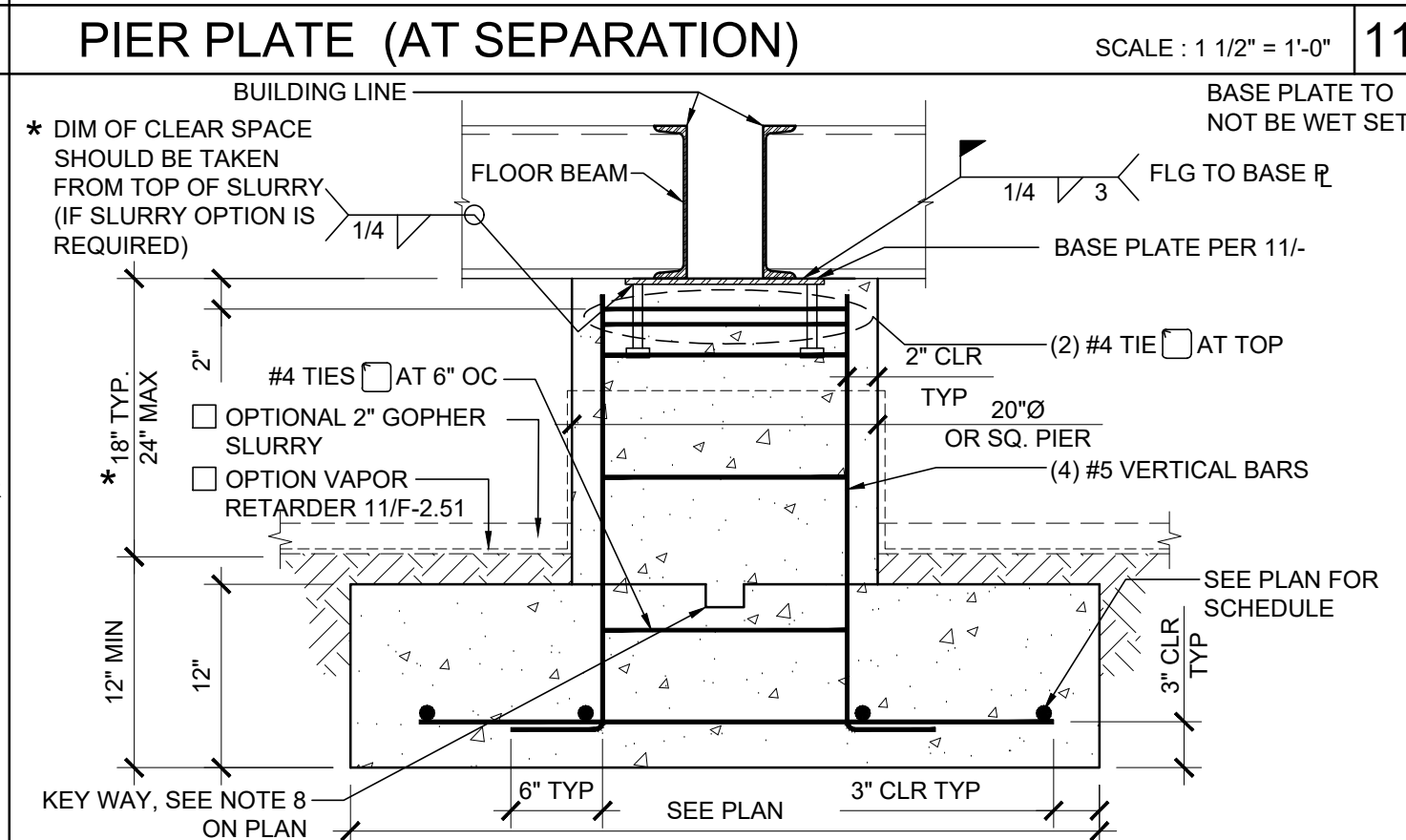
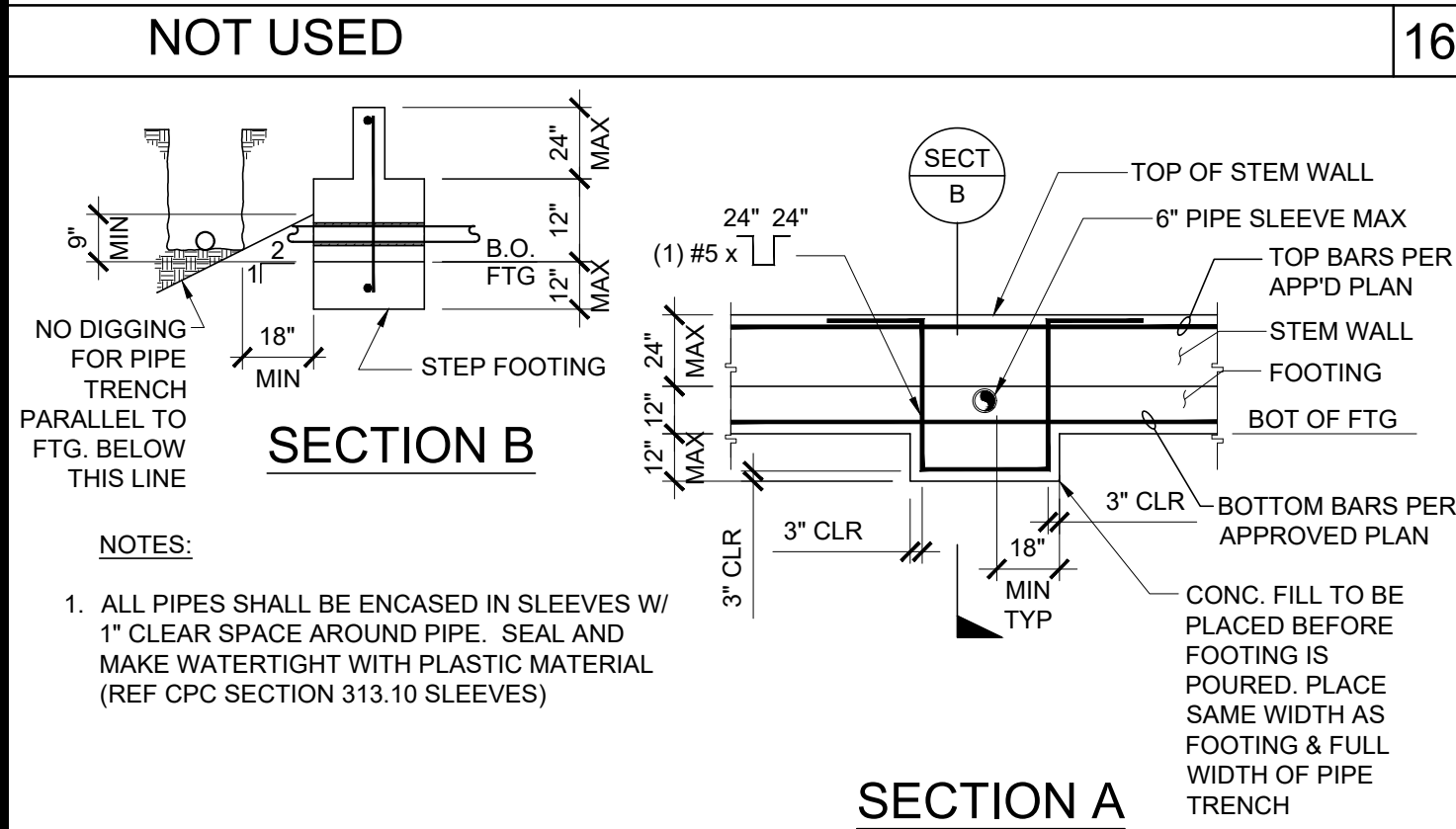
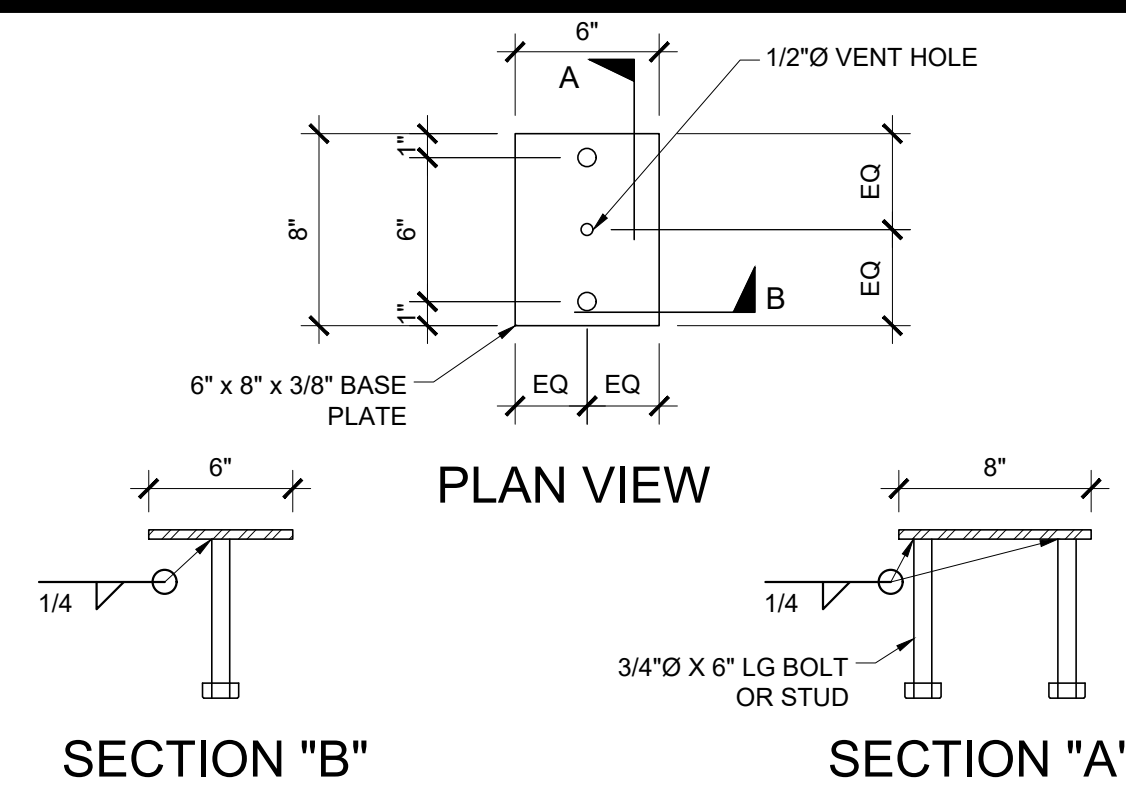
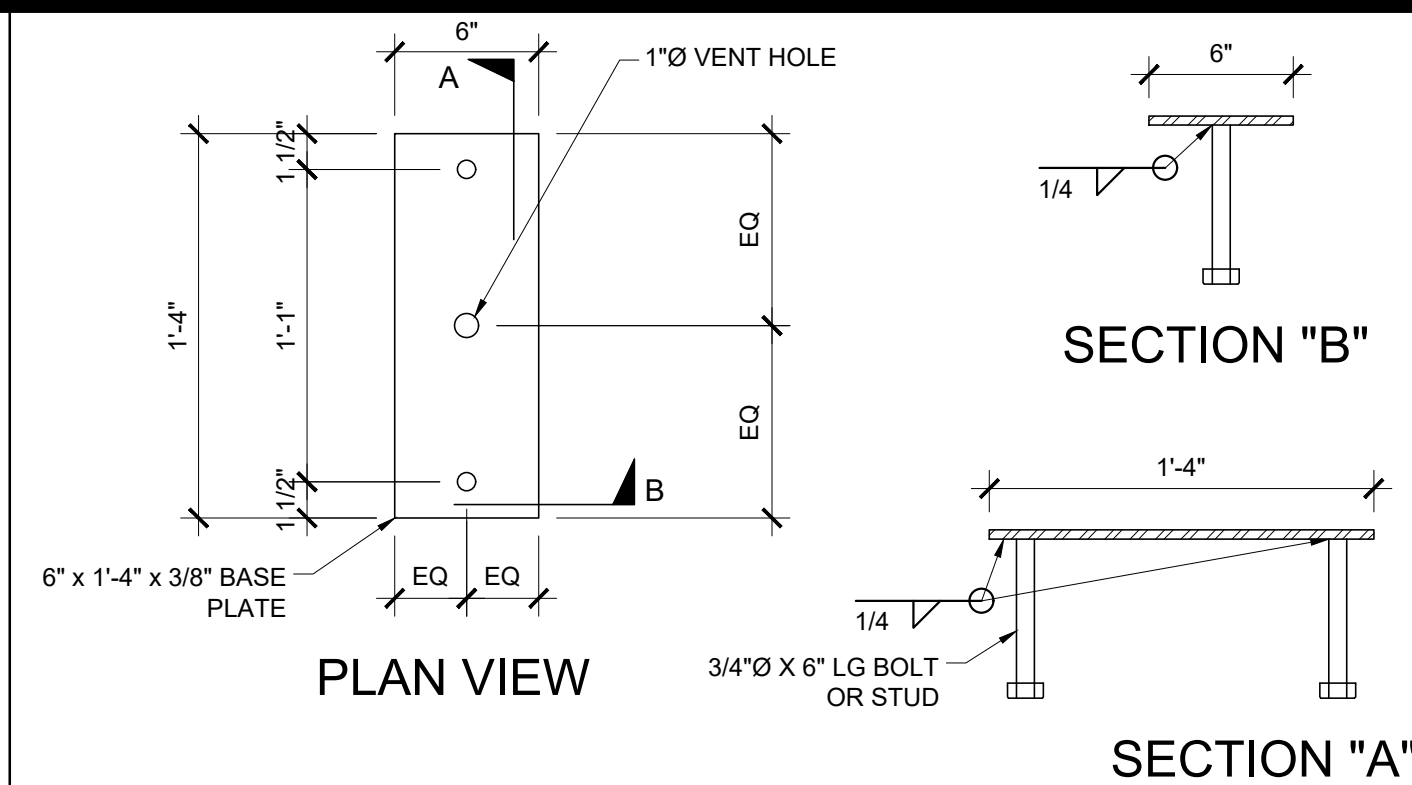
F-2.11



FOOTING AT SEPARATION SCALE: 1/4" = 1' - 0"

FOUNDATION PLAN

SCALE: 1/4" = 1' - 0"	1
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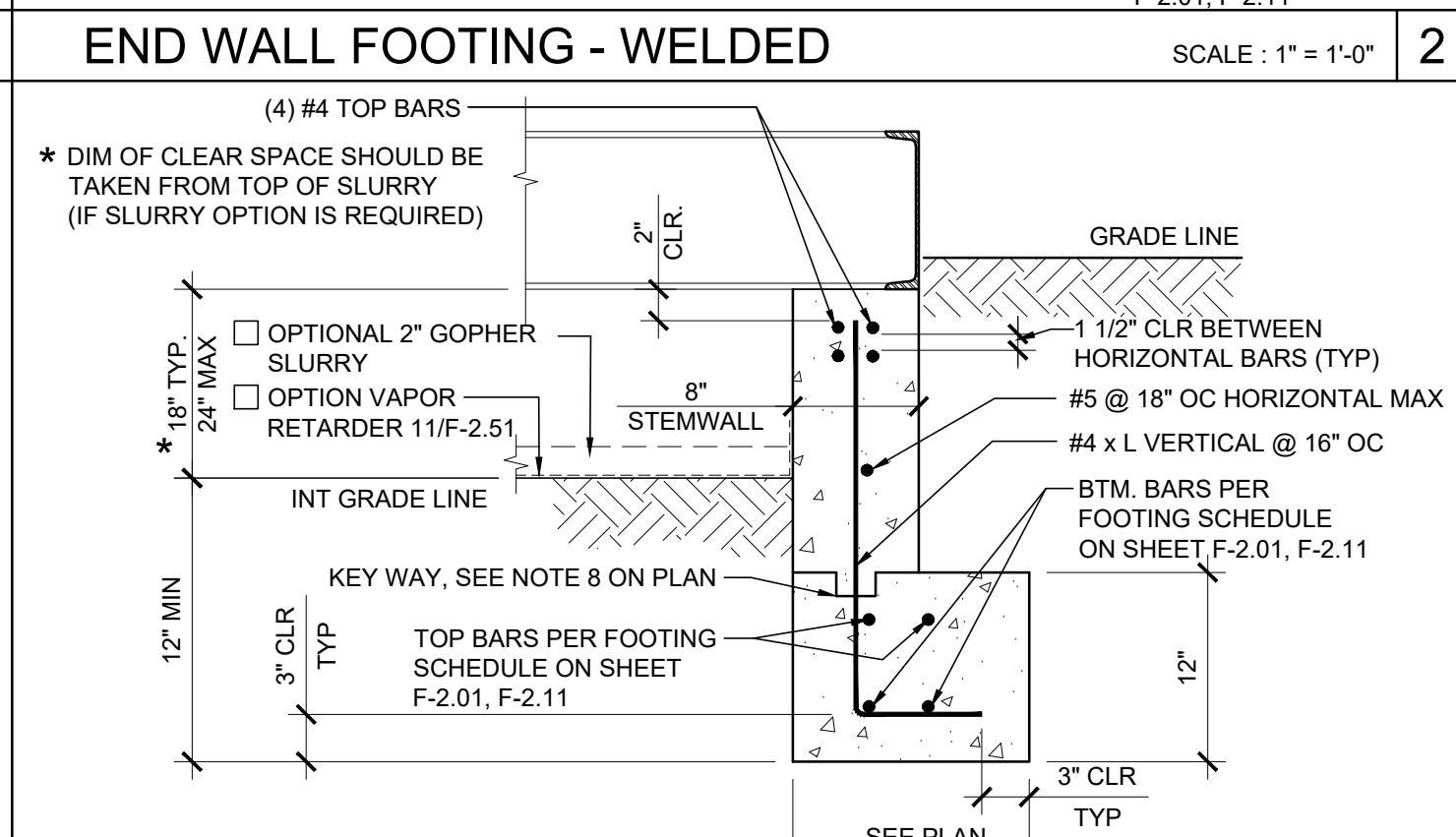
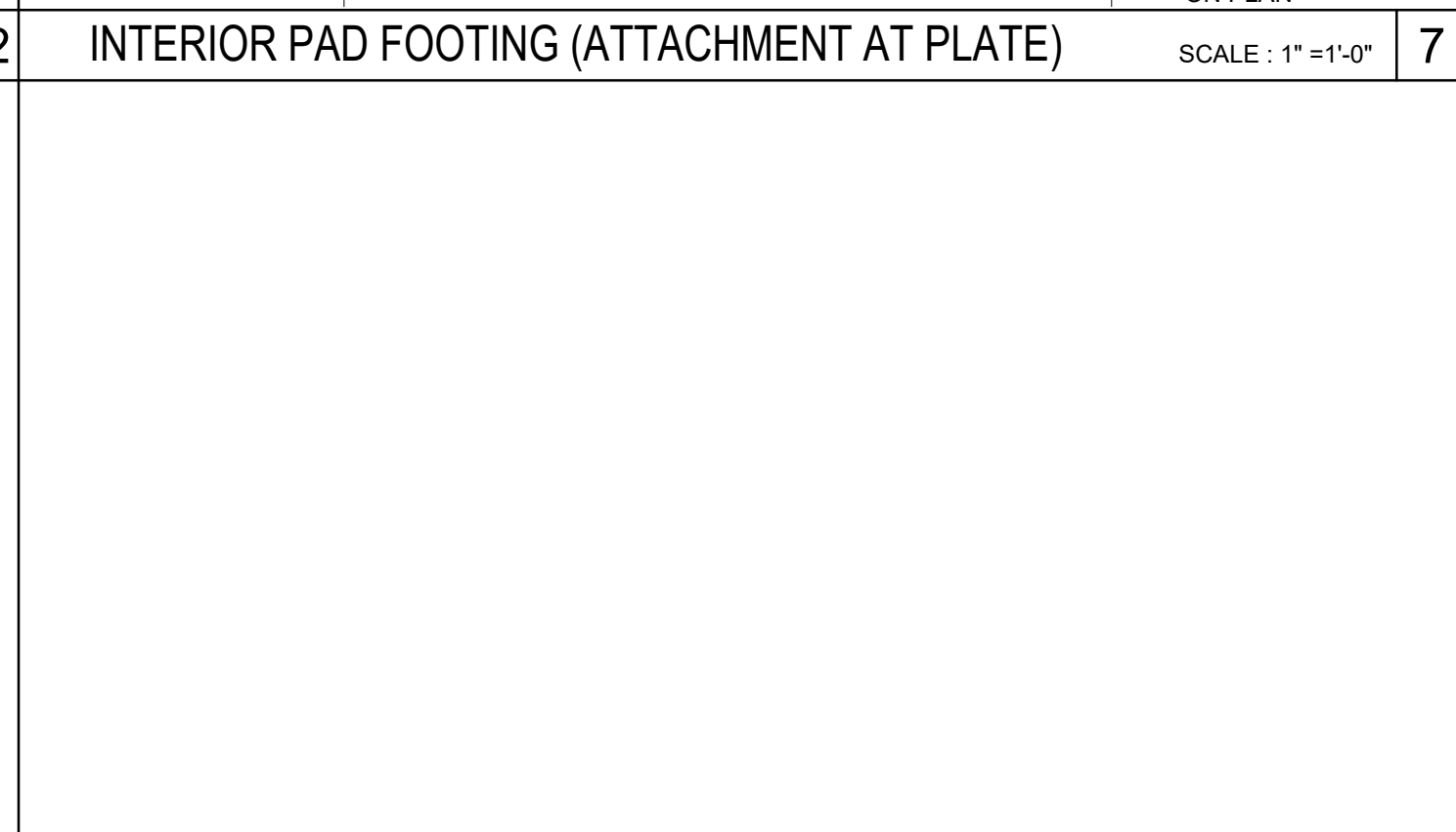
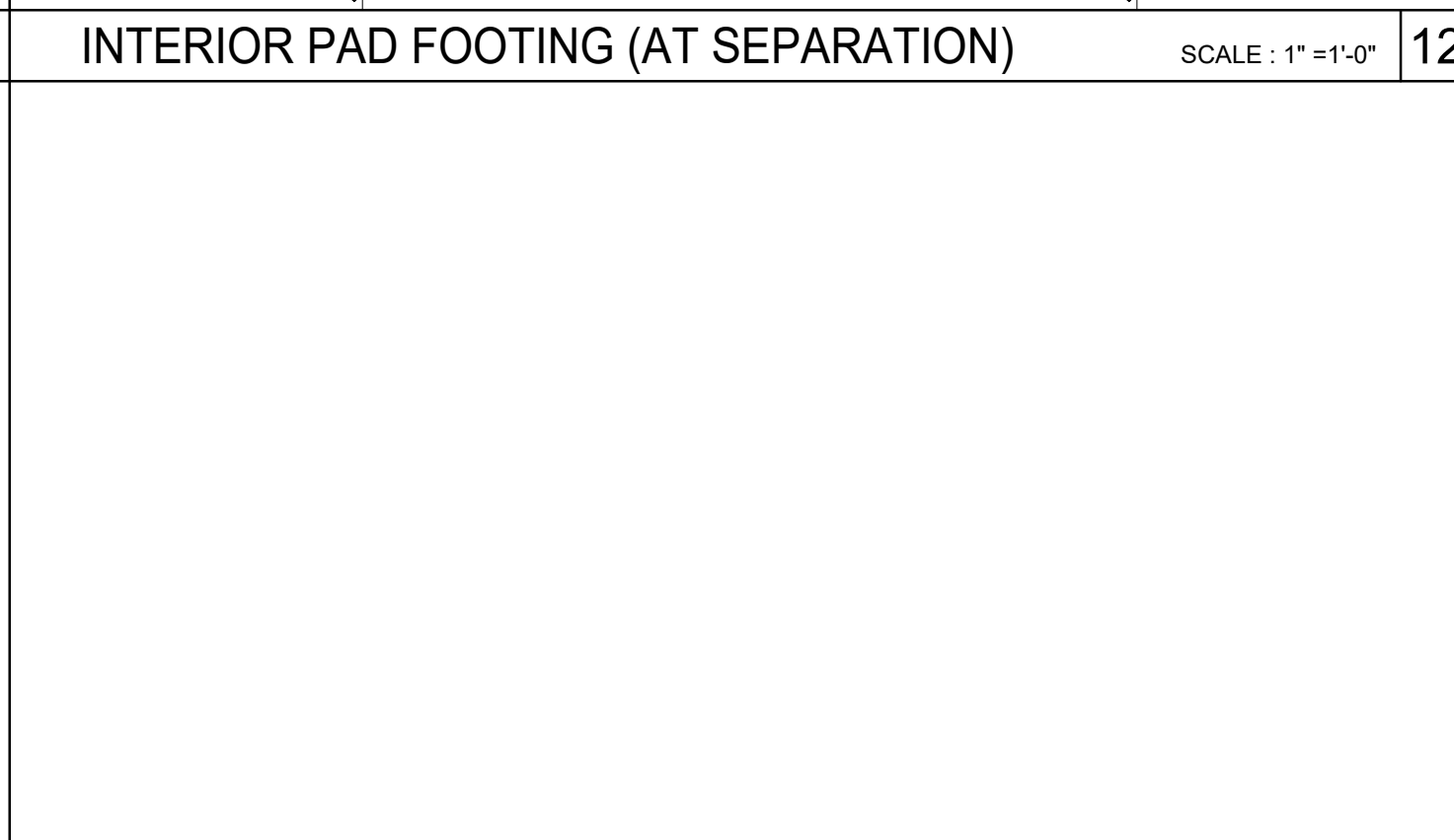
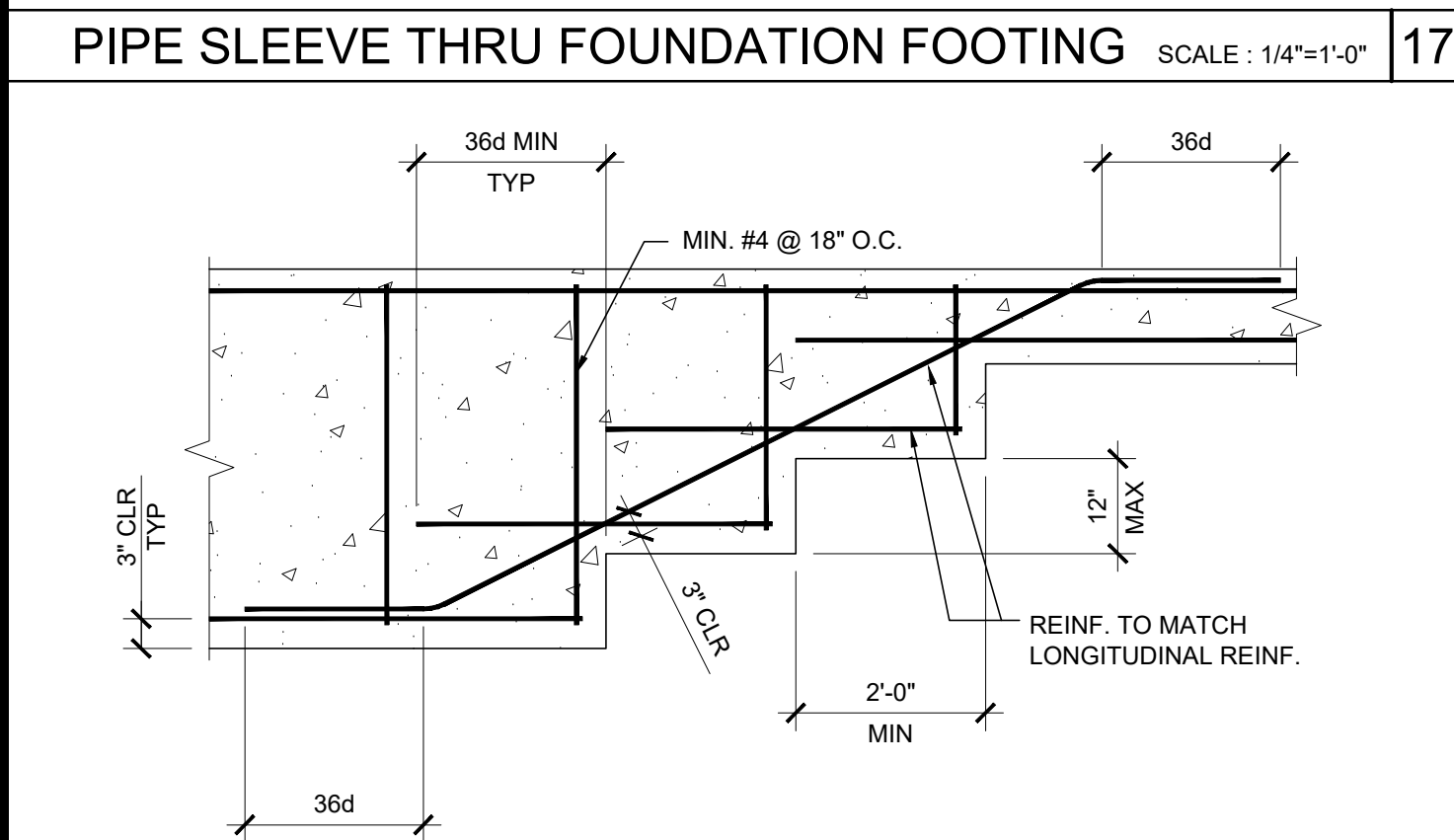
PROJECT SPECIFIC STATE AGENCY APPROVAL	
<p>THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVER CREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF 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</p> <p>ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc</p>	
PROJECT NAME:	

PROJECT NAME:

SHEET TITLE:

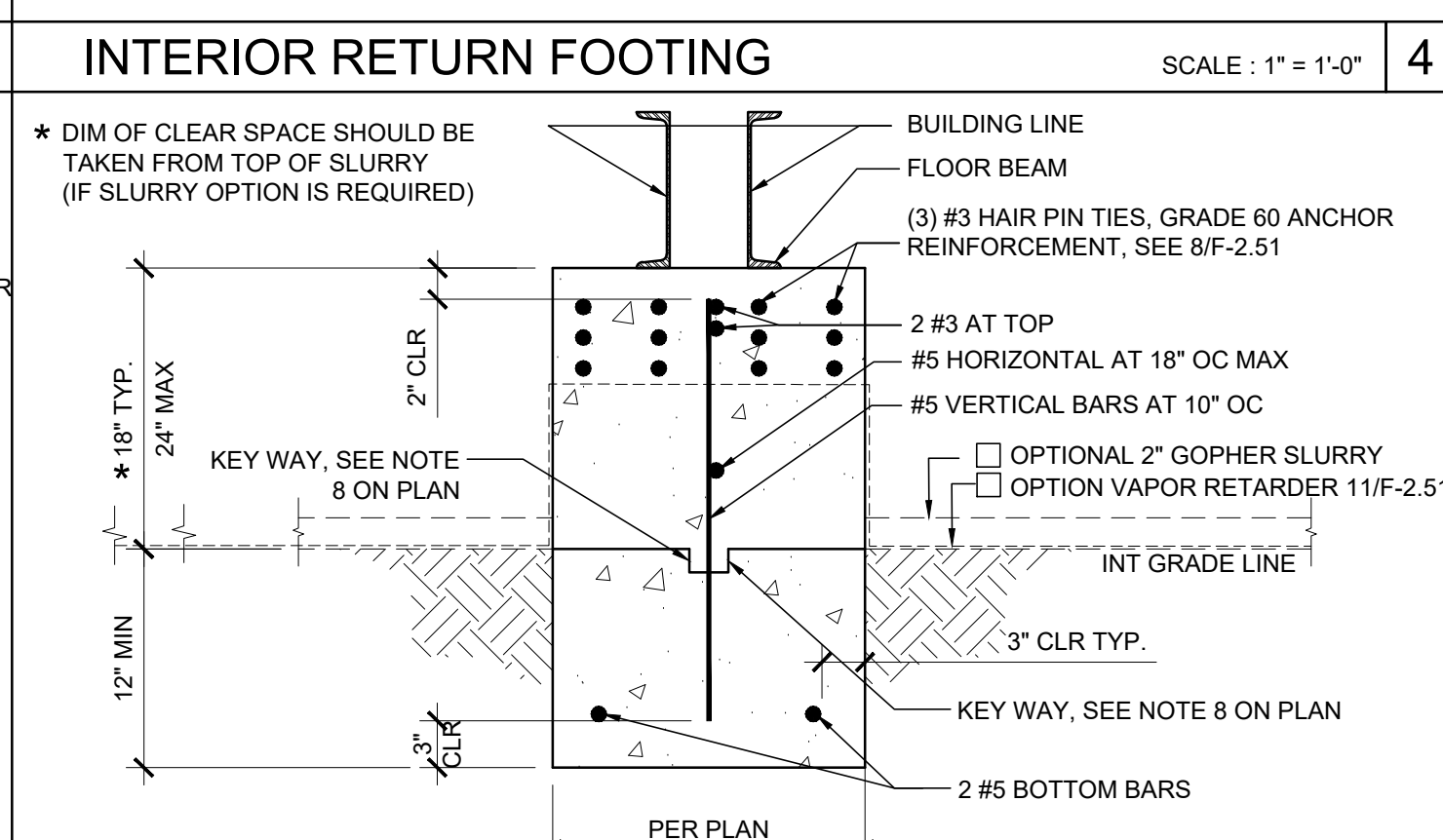
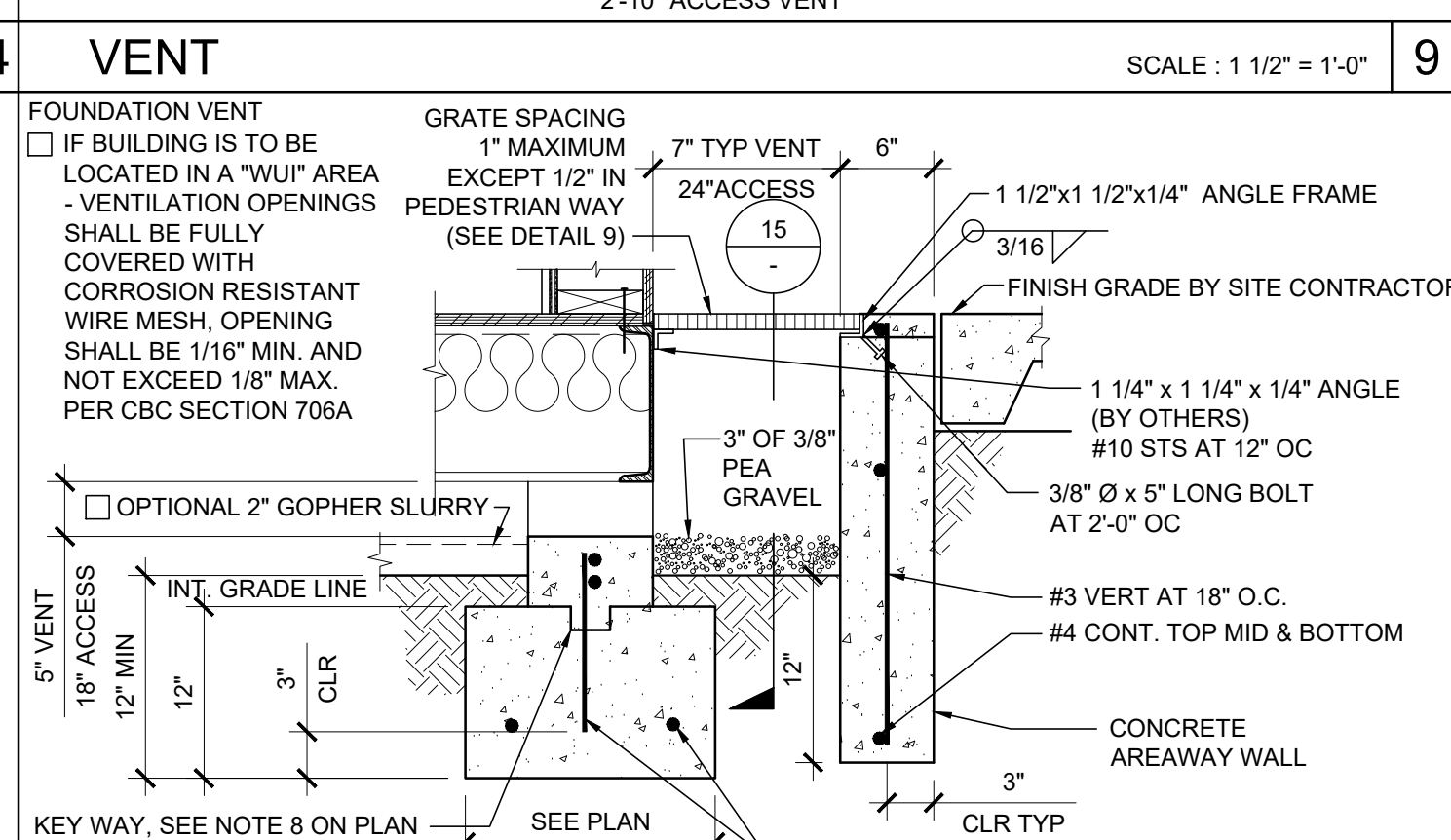
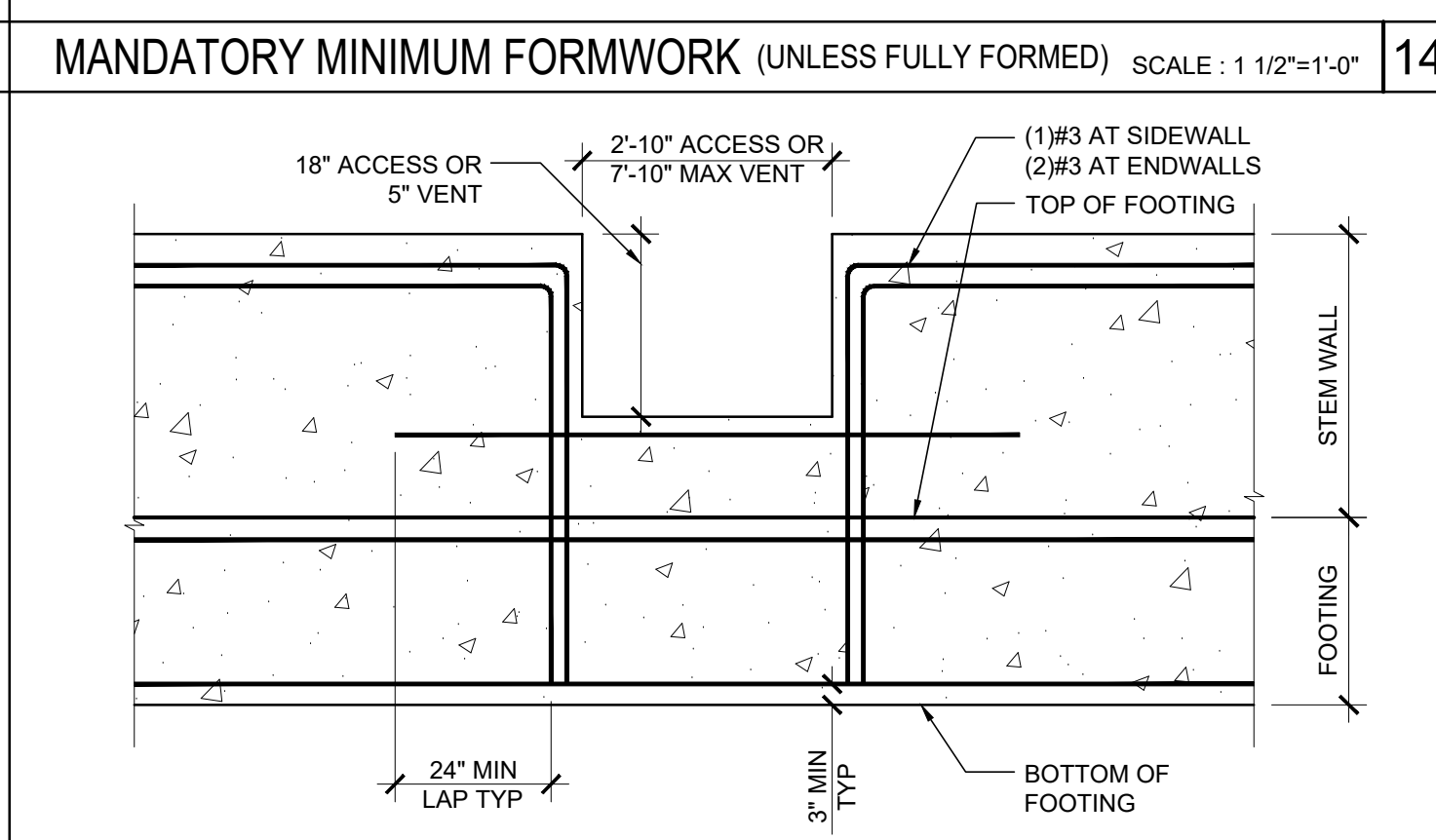
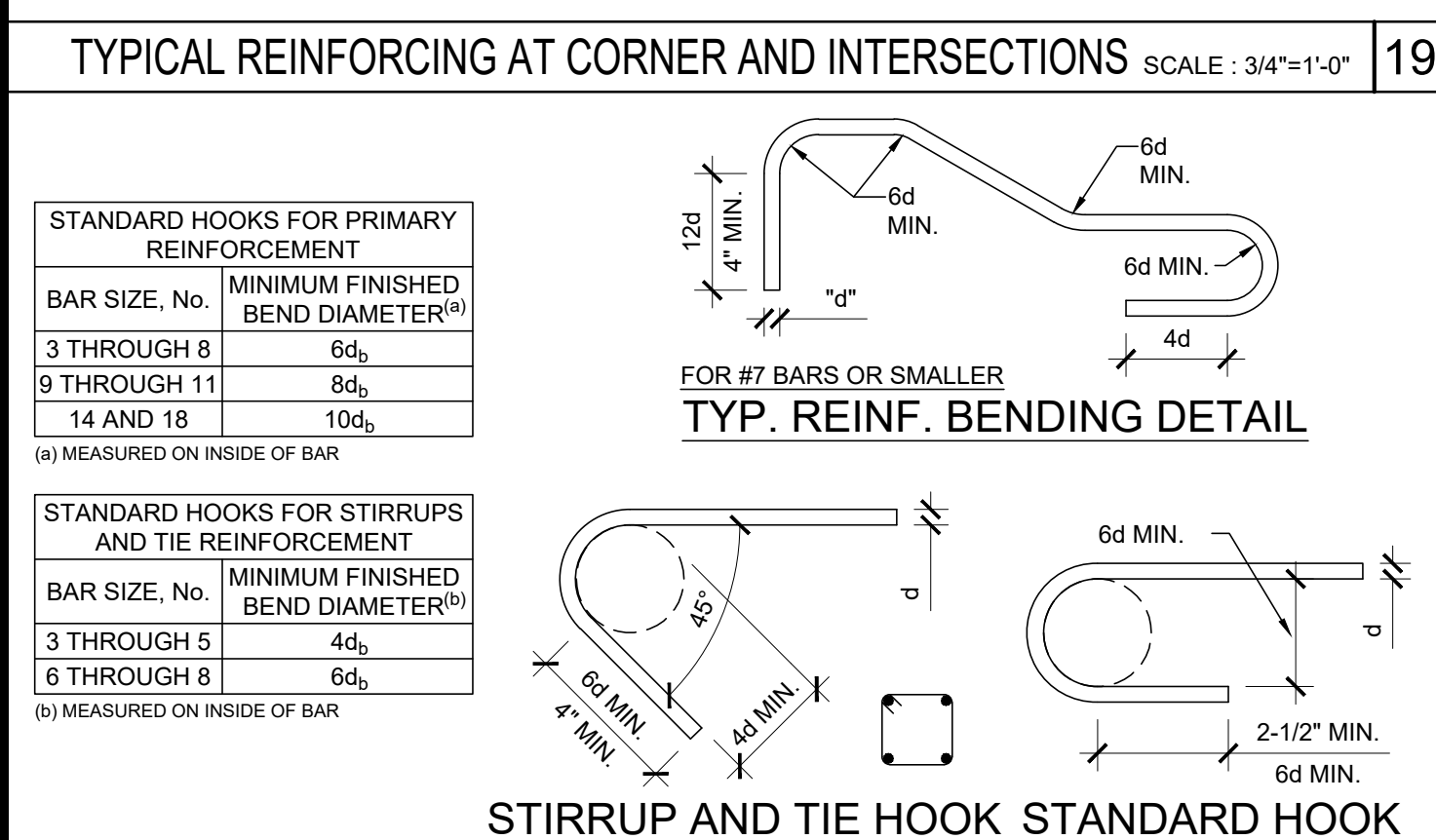
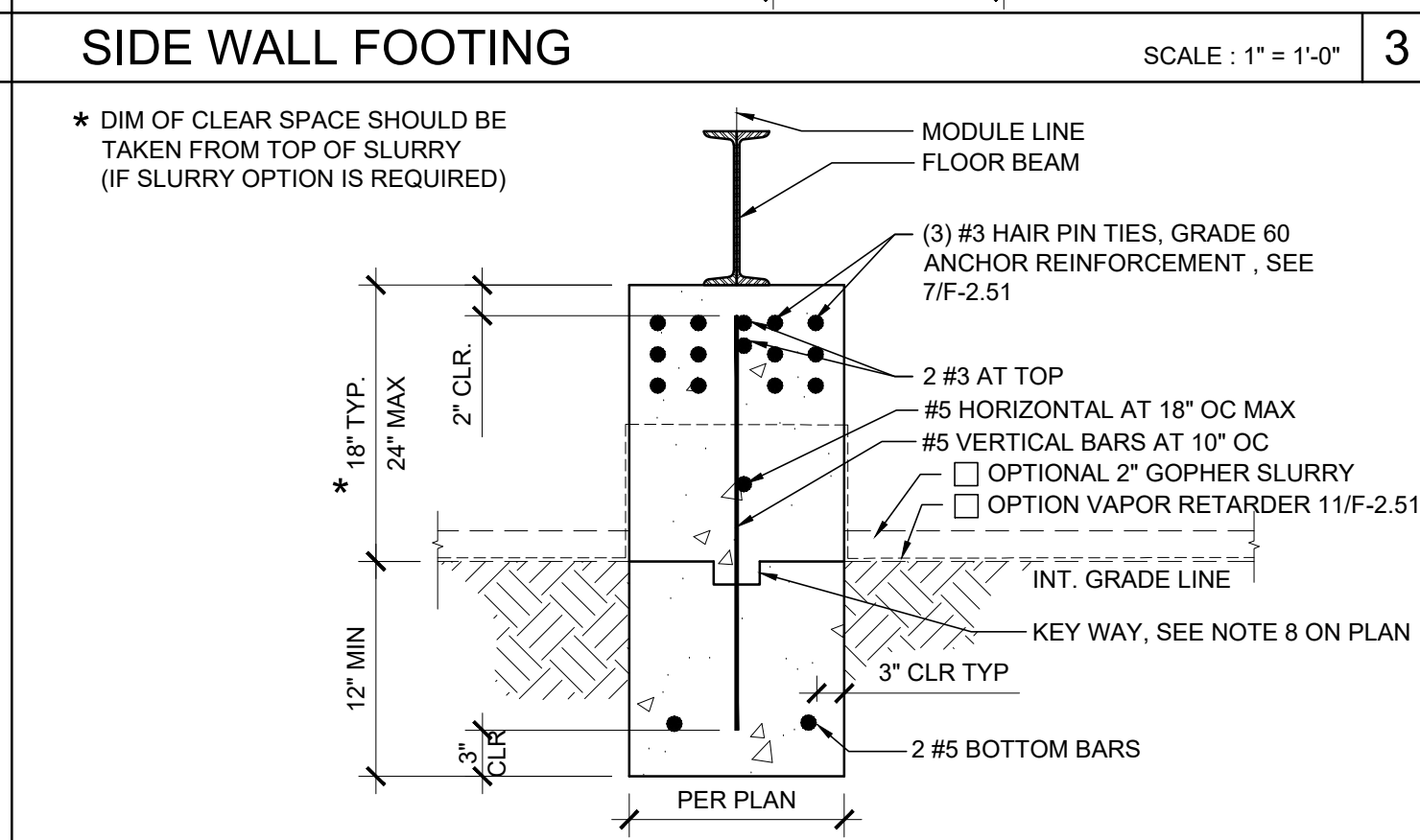
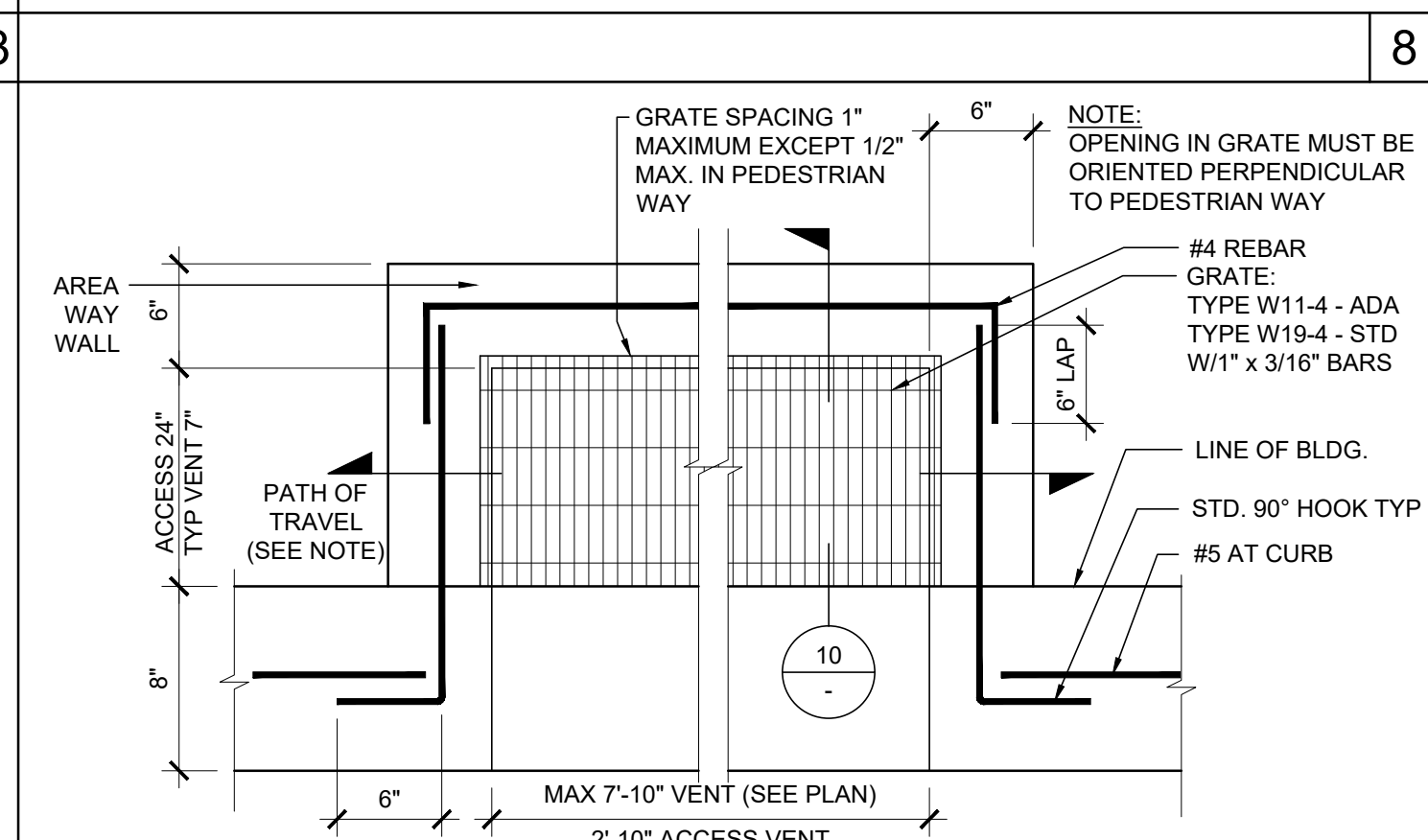
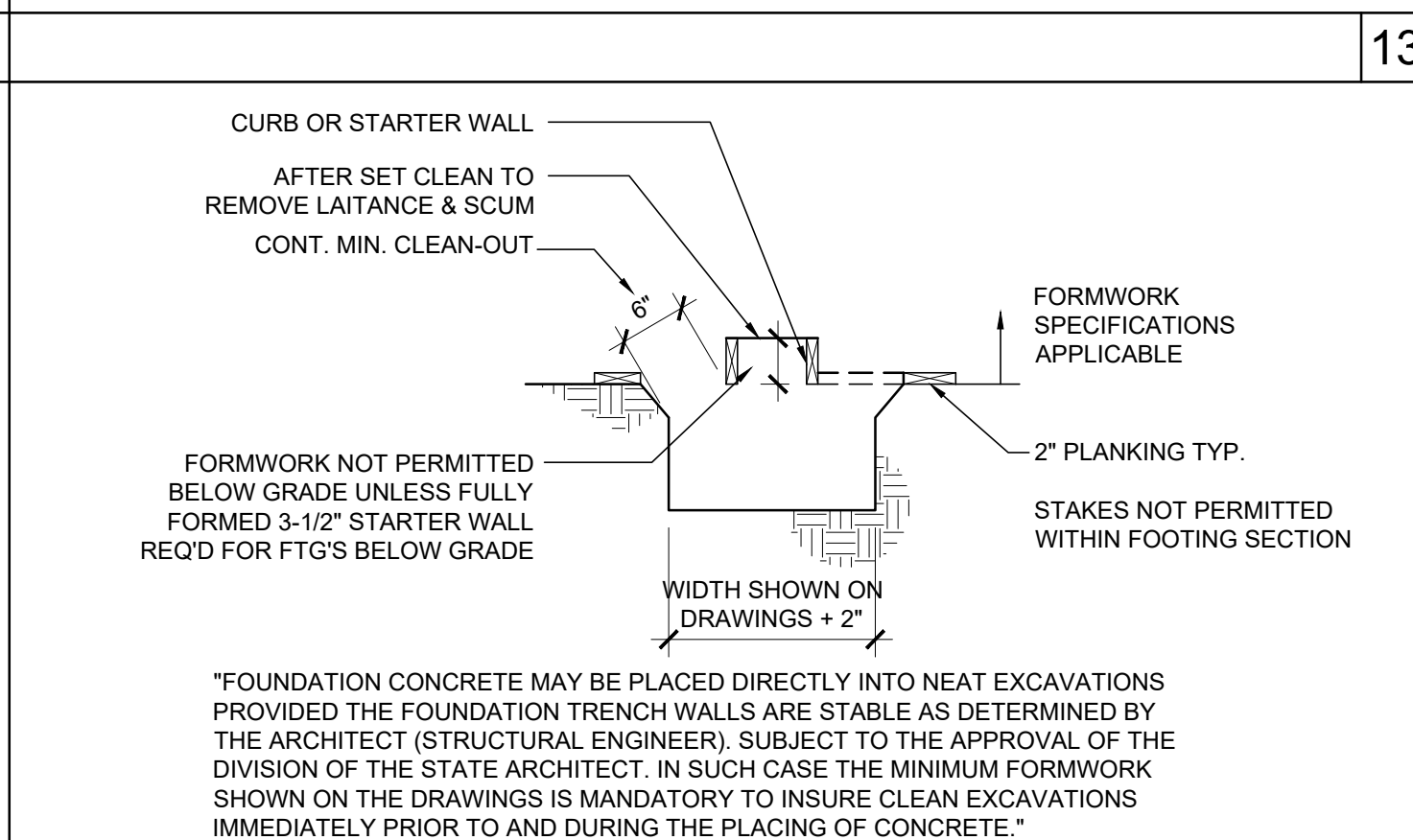
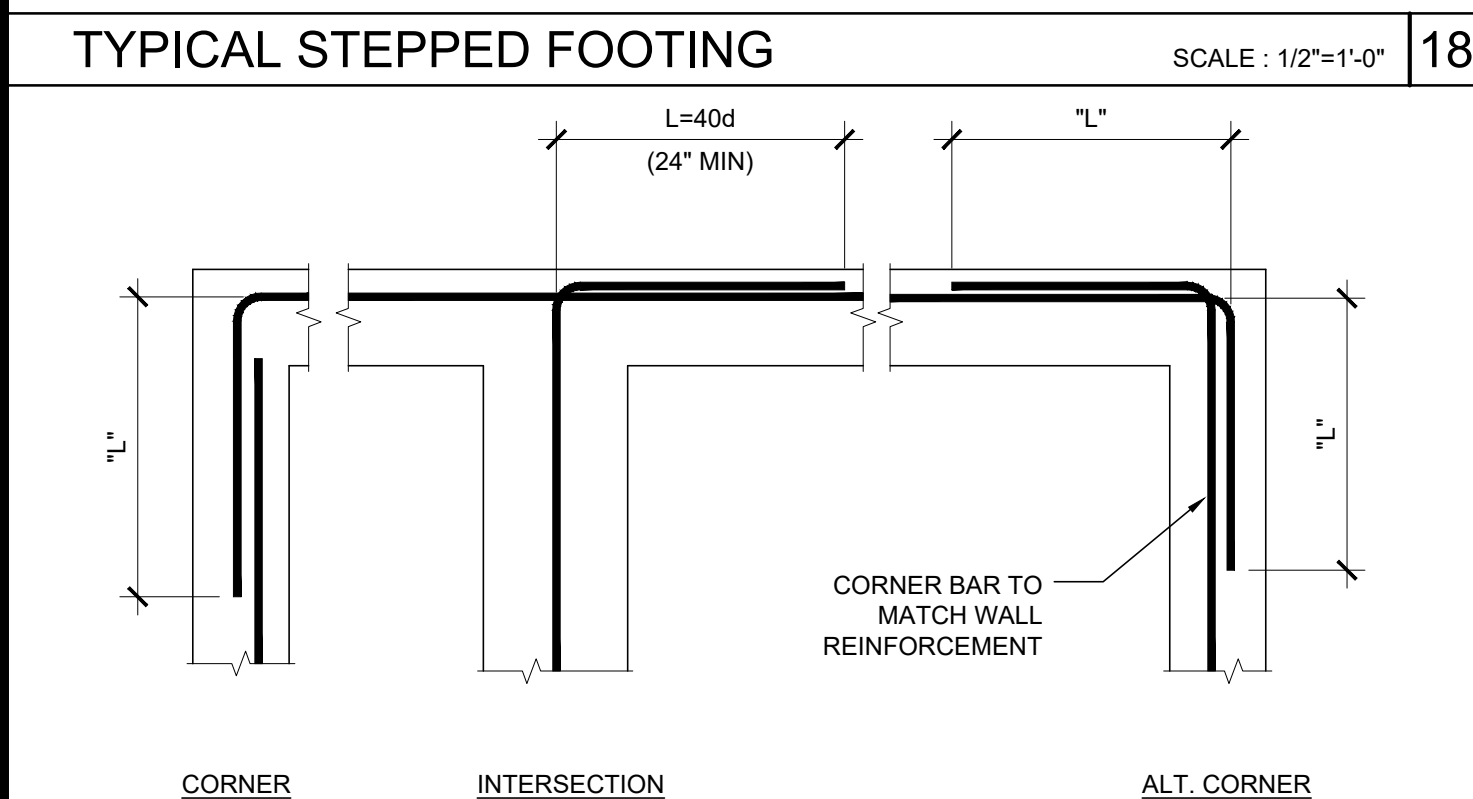
CONCRETE FOUNDATION DETAILS BELOW GRADE

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

F-2.50

NOT USED	16	CRAWL SPACE VAPOR RETARDER SCALE: 3/4" = 1'-0"	11	ANCHOR PLATE AT CORNER SCALE: 1 1/2" = 1'-0"	6	NOT USED	1
NOT USED	17	EMBED WELDING AT RETURN FOOTING SCALE: 1 1/2" = 1'-0"	12	ANCHOR PLATE AT MODULE LINE SCALE: 1" = 1'-0"	7	NOT USED	2
	18	EMBED WELDING AT SEPERATION SCALE: 1 1/2" = 1'-0"	13	ANCHOR PLATE AT SEPARATION SCALE: 1" = 1'-0"	8	NOT USED	3
							<p>NOTES:</p> <ol style="list-style-type: none">ALL PIPES SHALL BE ENCASED IN SLEEVES W/ 1" CLEAR SPACE AROUND PIPE. SEAL AND MAKE WATERTIGHT WITH PLASTIC MATERIAL (REF CPC SECTION 313.10 SLEEVES)IF PIPE IS IN PLACE PRIOR TO POURING CONCRETE, WRAP PIPE WITH 1" GLASS WOOL OR POLYSTYRENE TAPE BEFORE POURING CONCRETE IN LIEU OF SLEEVES
ANCHOR PLATE AT SIDEWALL OR ENDWALL @ VENT	19	LARGE EMBEDDED PLATE DETAIL SCALE: N.T.S.	14	WELD ANGLE DETAIL SCALE: 1 1/2" = 1'-0"	9		
NOT USED	20	FOUNDATION WELDING W/ SHIM PLATES	15	FOUNDATION - WELDED SCALE: 1 1/2" = 1'-0"	10	PIPE SLEEVE DETAIL SCALE: 1/4" = 1'-0"	5

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:


FOUNDATIONS
DETAILS
CONCRETE

REVISIONS

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


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

PC STATE AGENCY APPROVAL



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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

F-2.51

STRUCTURAL SPECIFICATIONS

FOUNDATIONS:

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

CONCRETE

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

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

THE DESIGN OF CONCRETE FOUNDATIONS WILL BE AS FOLLOWS:

- FURNISH AND INSTALL ALL CONCRETE WORK AS SHOWN ON THE DRAWINGS AND AS SPECIFIED.
- EXCEPT AS MODIFIED BY THE REQUIREMENTS SPECIFIED HEREIN AND / OR THE DETAILS ON THE DRAWINGS, ALL WORK INCLUDED IN THIS SECTION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF CODES AND STANDARDS.
 - ALL WORK AND MATERIALS SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS, AND CHAPTER 18.
 - 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 8
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 10 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.

A. 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 WELD 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 NOT
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/STUCCO 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 2304.10.5.1

CONTINUOUS INSPECTION:

PROJECT INSPECTOR TO PROVIDE CONTINUOUS FIELD INSPECTION.

IN-PLANT INSPECTOR SHALL PROVIDE CONTINUOUS INSPECTION IN-PLANT

METALS, STRUCTURAL, AND MISC. STEEL:

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

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

ERECTION:
ALL STRUCTURAL STEEL SHALL BE ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNED LOCATION. TEMPORARY BRACING OR SHORING SHALL BE INSTALLED WHEREVER NECESSARY TO TAKE CARE OF LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING ERECTION EQUIPMENT AND THE OPERATION OF SAME. CONNECTIONS SHALL BE ADEQUATE TO WITHSTAND STRESSES TO WHICH THEY ARE NORMALLY SUBJECTED. CONNECTIONS SHALL BE STEEL, EXCEPT AS OTHERWISE NOTED. FIELD CONNECTIONS SHALL BE BOLTED OR WELDED AS SHOWN ON THE DRAWINGS.

SHOP PAINT:

- * EXPOSED STEEL COATED WITH ONE SHOP COAT OF PRIMER.
- * NON-EXPOSED STEEL COATED WITH ON SHOP COAT OF PRIMER.
- * ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.

POWER DRIVEN FASTENERS FOR SILL PLATE, WOOD NAILERS TO STEEL COLUMNS, AND SHEET METAL TO STRUCTURAL STEEL:

ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, OR RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.

WOOD ROUGH CARPENTRY:

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS AND STEPS NECESSARY TO PROTECT ALL COMPLETED, SEMI-COMPLETED, AND TEMPORARY WORK FROM COMMENCEMENT OF PROJECT TO COMPLETE, SEMI-COMPLETION OF SAME ANY PORTION OF THE WORK DAMAGED OR DISFIGURED SHALL BE SATISFACTORILY REPAIRED OR REPLACED AND THE WORK AS A WHOLE LEFT WITHOUT BLEMISH AT FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ALL NECESSARY MEASUREMENTS AT THE BUILDING, THE ACCURATE FITTING OF ALL WORK AND PROPER ACCOMMODATION OF OTHER TRADES.

DESCRIPTION OF WORK:
THIS SECTION INCLUDES FURNISHING OF ALL LABOR, MATERIAL, TOOLS, EQUIPMENT, TRANSPORTATION, AND FACILITIES TO COMPLETE ROUGH CARPENTRY AS INDICATED IN THE DRAWINGS AND AS SPECIFIED HEREIN.

WORKMANSHIP:

ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICE, SHALL BE ACCURATE AS TO MEASUREMENT AND SHALL BE CAREFULLY DONE. PLYWOOD SHEATHING SUBFLOOR SHALL PROVIDE A SMOOTH UNIFORM SURFACE CAPABLE PROPERLY ACCEPTING A CARPET FINISH.

ROOF DIAPHRAGM:

3/4" T&G APA RATED SHEATHING - STRUCTURE 1 EXPOSURE 1
SPAN RATING 48/24 MIN.
FASTEN TO ROOF JOISTS AND BEAMS W/ #10 X 1 1/4" LG. SELF DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEK'S SCREWS AT 4" O.C. AT BOUNDARIES, 6" OC AT EDGES, AND 12" OC 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 TEK'S 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 TEK'S 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 33 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

DISMANT 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, 8, 9, AND 12, SUB-CAPART 1. CALIFORNIA BUILDING CODE, 2022 EDITION, MANUAL OF STEEL CONSTRUCTION, (AISC) 15TH EDITION, AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE, AWS D1.1, AMERICAN INSTITUTE OF TIMBER CONSTRUCTION STANDARD, (ATC) 109 ARCHITECTURAL SHEET METAL MANUAL, AIA FILE NO. 12-L (SMACNA) LATEST ADOPTED EDITION UNLESS OTHERWISE NOTED.

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

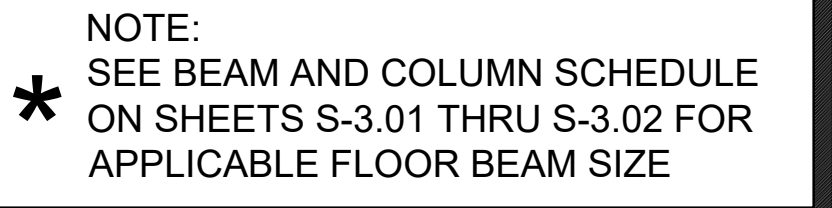
INSPECTIONS:
A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

CHANGES:
CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM 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/ AF&A NDS-2012, LAG SCREWS MUST BE INSTALLED INTO A PRE-DRILLED PILOT HOLE WITH A STANDARD WASHER AND TURNED WITH A WRENCH. DO NOT DRIVE IN WITH A HAMMER. OVER-TORQUING CAN SIGNIFICANTLY REDUCE THE LATERAL RESISTANCE OF THE LAG SCREW AND SHOULD BE AVOIDED.

FASTENING SCHEDULE (2022 CBC TABLE 2304.10.1)				
DESCRIPTION OF BUILDING ELEMENTS		NUMBER AND TYPE OF FASTENER		SPACING AND LOCATION
Roof				
1. Blocking between ceiling joists, rafters or trusses to top plate or other framing below	3-8d common (2 1/2" × 0.131"); or 3-10d box (3" × 0.128"); or 3-3" × 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" × 0.131") 2-3" × 0.131" nails 2-3" 14 gage staples			Each end, toenail
Flat blocking to truss and web filler	2-16 d common (3 1/2" × 0.162") 3-3" × 0.131" nails 3-3" 14 gage staples			End nail
2. Ceiling joists to top plate	16d common (3 1/2" × 0.162") @ 6" o.c. 3" × 0.131" nails @ 6" o.c. 3" × 14 gage staples @ 6" o.c.			Face nail
3. Ceiling joist not attached to parallel rafter, laps over partitions (no thrust) (see Section 2306.7.3.1, Table 2306.7.3.1)	3-8d common (2 1/2" × 0.131"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown			Each joist, toenail
4. Ceiling joist attached to parallel rafter (heel joint) (see Section 2306.7.3.1, Table 2306.7.3.1)	3-16d common (3 1/2" × 0.162"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown			Face nail
5. Collar tie to rafter	Per Table 2306.7.3.1			Face nail
6. Rafter or roof truss to top plate (See Section 2306.7.5, Table 2306.7.5)	3-10d common (3" × 0.148"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown			Face nail
7. Roof rafters to ridge valley or hip rafters; or roof rafter to 2-inch ridge beam	3-10 common (3" × 0.148"); or 3-16d box (3 1/2" × 0.135"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131 nails; or 4-3" 14 gage staples, 7/16" crown			Toenail ^a
	2-16d common (3 1/2" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown; or 3-10d common (3" × 0.148"); or 4-16d box (3 1/2" × 0.135"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown			End nail
				Toenail
Wall				
8. Stud to stud (not at braced wall panels)	16d common (3 1/2" × 0.162"); 10d box (3" × 0.128"); or 3" × 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" × 0.162"); or 16d box (3 1/2" × 0.135"); or 3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown			16" o.c. face nail
10. Built-up header (2" to 2" header)	16d common (3 1/2" × 0.162"); or 16d box (3 1/2" × 0.135"); or 3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown			16" o.c. face nail
11. Continuous header to stud	4-8d common (2 1/2" × 0.131"); or 4-10d box (3" × 0.128")			16" o.c. each edge, face nail
12. Top plate to top plate	16d common (3 1/2" × 0.162"); or 10d box (3" × 0.128"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown			Toenail
13. Top plate to top plate, at end joints	8-16d common (3 1/2" × 0.162"); or 12-10d box (3" × 0.128"); or 12-3" × 0.131" nails; or 12-3" 14 gage staples, 7/16" crown			16" o.c. face nail
14. Bottom plate to joist, rim joist, band joist or blocking (not at braced wall panels)	16d common (3 1/2" × 0.162"); or 16d box (3 1/2" × 0.135"); or 3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown			Each side of end joint, face nail (minimum 24" lap splice length each side of end joint)
15. Bottom plate to joist, rim joist, band joist or blocking at braced wall panels	2-16d common (3 1/2" × 0.162"); or 3-16d box (3 1/2" × 0.135"); or 4-3" × 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" × 0.131"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown; or 2-16d common (3 1/2" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 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" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 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" × 0.131"); or 2-10d box (3" × 0.128"); or 2-3" × 0.131" nails; or 2-3" 14 gage staples, 7/16" crown			Face nail
19. 1" × 6" sheathing to each bearing	2-8d common (2 1/2" × 0.131"); or 2-10d box (3" × 0.128")			Face nail
20. 1" × 8" and wider sheathing to each bearing	3-8d common (2 1/2" × 0.131"); or 3-10d box (3" × 0.128")			Face nail
Floor				
21. Joist to sill, top plate, or girder	3-8d common (2 1/2" × 0.131"); or floor 3-10d box (3" × 0.128"); or 3-3" × 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" × 0.131"); or 10d box (3" × 0.128"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown			6" o.c., toenail
23. 1" × 6" subfloor or less to each joist	2-8d common (2 1/2" × 0.131"); or 2-10d box (3" × 0.128")			Face nail
24. 2" subfloor to joist or girder	2-16d common (3 1/2" × 0.162")			Face nail
25. 2" planks (plank & beam — floor & roof)	2-16d common (3 1/2" × 0.162")			Each bearing, face nail
	20d common (4" × 0.192")			32" o.c., face nail at top and bottom staggered on opposite sides
26. Built-up girders and beams, 2" lumber layers	10d box (3" × 0.128"); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown			24" o.c. face nail at top and bottom staggered on opposite sides
27. Ledger strip supporting joists or rafters	And: 2-20d common (4" × 0.192"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown			Ends and at each splice, face nail
28. Joist to band joist or rim joist	3-16d common (3 1/2" × 0.162"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown			Each joist or rafter, face nail
29. Bridging or blocking to joist, rafter or truss	3-16d common (3 1/2" × 0.162"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown			End nail
	2-8d common (2 1/2" × 0.131"); or 2-10d box (3" × 0.128"); or 2-3" × 0.131" nails; or 2-3" 14 gage staples, 7/16" crown			Each end, toenail
Wood structural panels (WSP), subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing ^b				
		Edges (inches)	Intermediate supports (inches)	
	6d common or deformed (2" × 0.113") (subfloor and wall)	6	12	
30. 3/8" — 1/2"	8d common or deformed (2 1/2" × 0.131") (roof) or RRSR-01 (2 3/8" × 0.113") nail (roof) ^c	6	12	
	2 3/8" × 0.113" nail (subfloor and wall)	6	12	
	2 3/8" × 0.113" nail (roof)	4	8	
	8d common (2 1/2" × 0.131"); or 8d deformed (2" × 0.113") (subfloor and wall)	6	12	
31. 1/92" — 3/4"	8d common or deformed (2 1/2" × 0.131") (roof) or RRSR-01 (2 3/8" × 0.113") nail (roof) ^c	6	12	
	2 3/8" × 0.113" nail	4	8	
32. 7/8" — 1 1/4"	10d common (3" × 0.148"); or 8d deformed 2 1/2" (0.131")	6	12	
Other exterior wall sheathing				
33. 1/2" fiberboard sheathing ^d	1 1/2" galvanized roofing nail (7/16" head diameter); or 1 1/4" 16 gage staple with 7/16" or 1" crown	3	6	
34. 25/32" fiberboard sheathing ^d	1 3/4" galvanized roofing nail (7/16" diameter head); or 1 1/2" 16 gage staple with 7/16" or 1" crown	3	6	
Wood structural panels, combination subfloor underlayment to framing				
35. 3/4" and less	8d common (2 1/2" × 0.131"); or 8d deformed (2" × 0.113")	6	12	
36. 7/8" — 1"	8d common (2 1/2" × 0.131"); or 8d deformed (2 1/2" × 0.131")	6	12	
37. 1 1/8" — 1 1/4"	10d common (3" × 0.148"); or 8d deformed (2 1/2" × 0.131")	6	12	
Panel siding to framing				
38. 1/2" or less	8d corrosion-resistant siding (1 7/8" × 0.106"); or 6d corrosion-resistant casing (2" × 0.099")	6	12	
39. 5/8"	8d corrosion-resistant siding (2 3/8" × 0.128"); or 8d corrosion-resistant casing (2 1/2" × 0.113")	6	12	
Interior paneling				
40. 1/4"	4d casing (1 1/2" × 0.080"); or 4d finish (1 1/2" × 0.072")	6	12	
41. 3/8"	6d casing (2" × 0.099"); or 6d finish (Panel supports at 24 inches)	6	12	
Footnotes:				
a. Nails spaced at 6 inches at intermediate supports where spans are 48 inches or more. For nailing of wood structural panel and particleboard diaphragms and shear walls, refer to Section 2305. Nails for wall sheathing are permitted to be common, box or casing.				
b. Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications. Panel supports at 16 inches (20 inches if strength axis in the long direction of the panel, unless otherwise marked).				
c. Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule and the ceiling joist is fastened to the top plate in accordance with this schedule, the number of toenails in the rafter shall be permitted to be reduced by one or more.				
d. RRSR-01 is a Roof Sheathing Ring Shank nail meeting the specifications in ASTM F1667.				



1. FOR FLOOR BLOCKING SEE DETAILS
4.7B / S-1.50 (STD),
4.7A / S-1.50 (ALT)
2. FOR BUILDINGS ON FLOOR 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.
3. FLOOR SHEATHING SHALL BE PRESSURE TREATED WOOD OR
EQUIV. DURABLE IF BOTTOM OF PLYWOOD IS LESS THAN 18"
CLEAR FROM EXPOSED EARTH.
4. HSS COLUMN SCHEDULES ON SHEETS S-3.01 THRU S-3.02

	LIVE LOAD PSF	JOIST SPACING	
		CLASSROOM <input 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 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"	

☐ 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 16/F-0.50 FOR ADDITIONAL INFORMATION.

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

S-1.01



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

1. HSS COLUMN SCHEDULES ON SHEETS S-3.01 THRU S-3.02

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

SHEET TITLE

FLOOR FRAMING PLAN

CONCRETE FLOOR

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



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

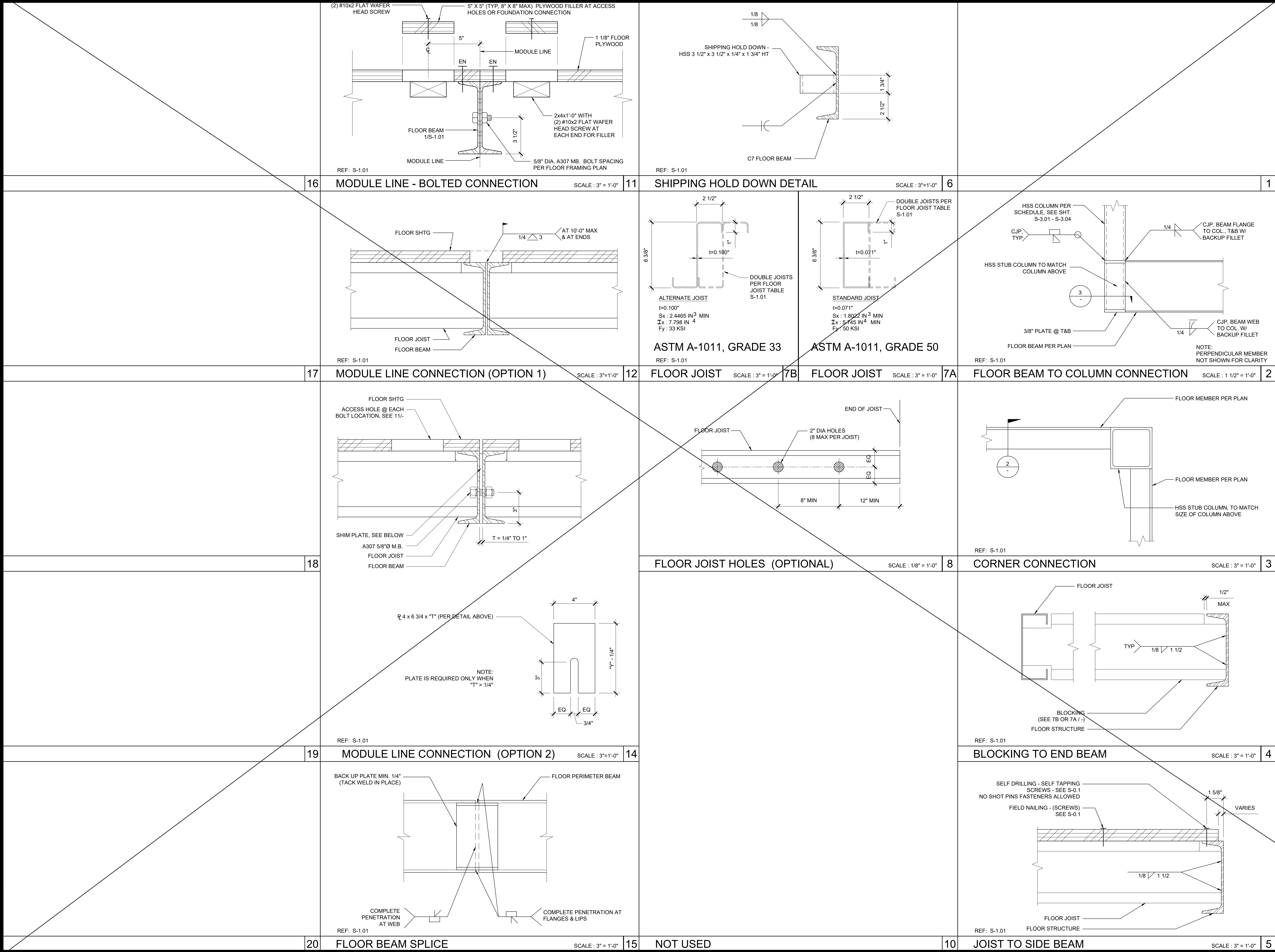
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

S-1.11



PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

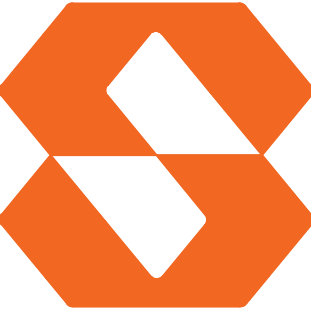
FLOOR FRMING
DETILS
WOOD FLOOR

REVISIONS

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


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

PC STATE AGENCY APPROVAL



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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

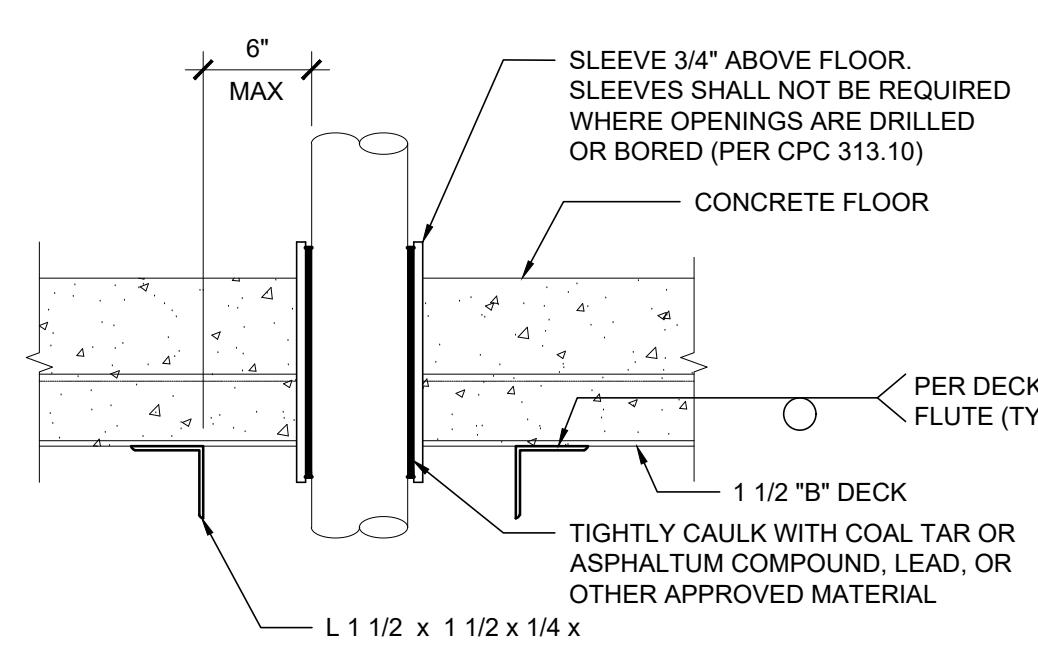
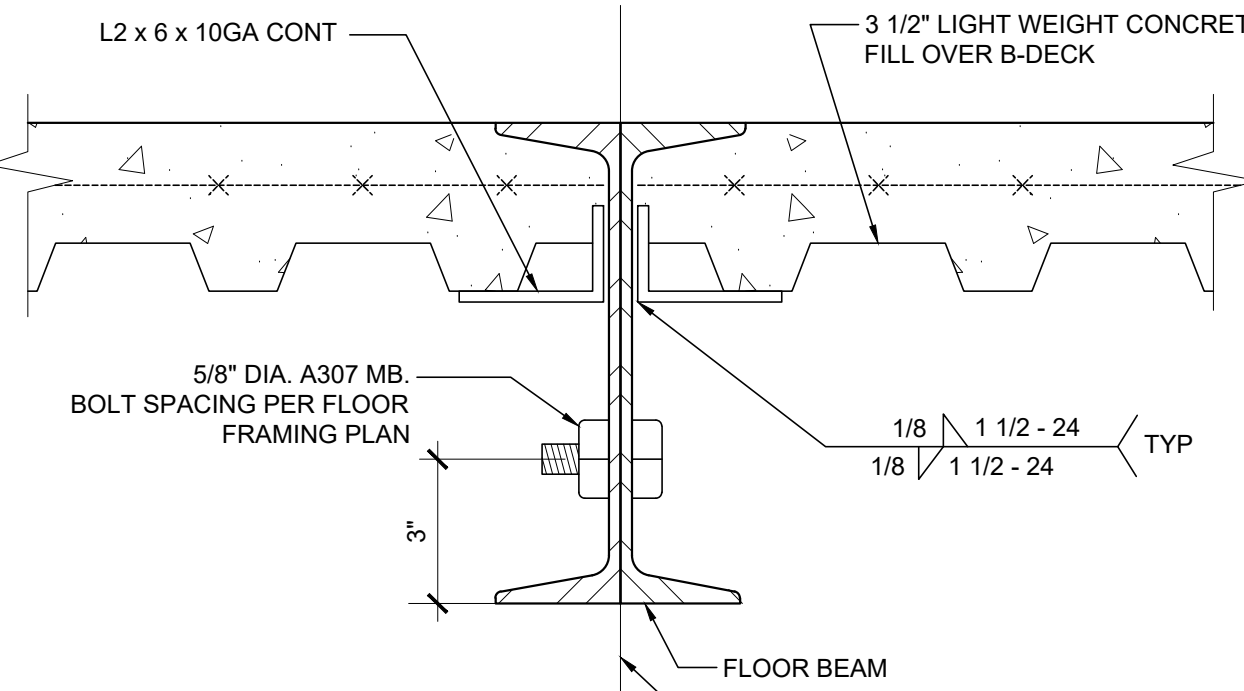
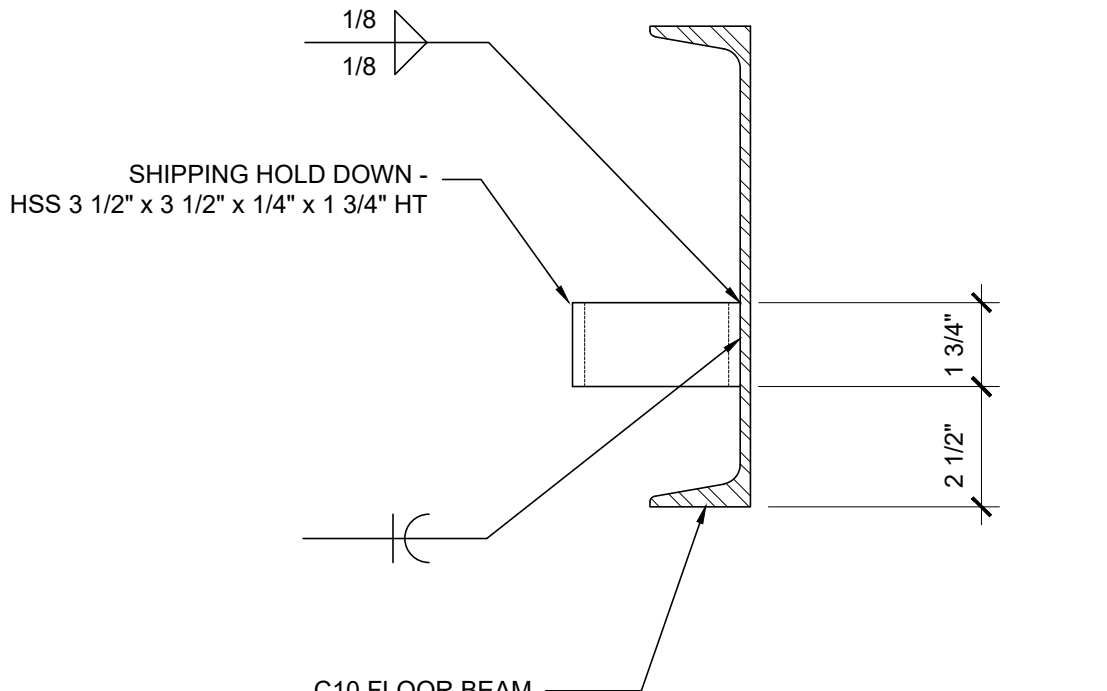
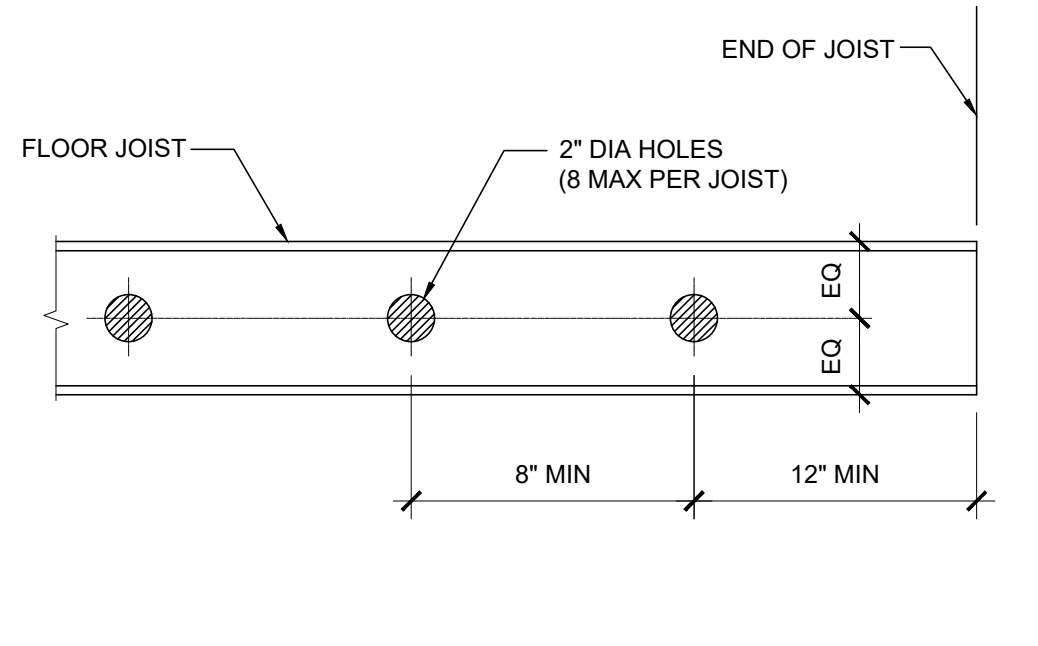
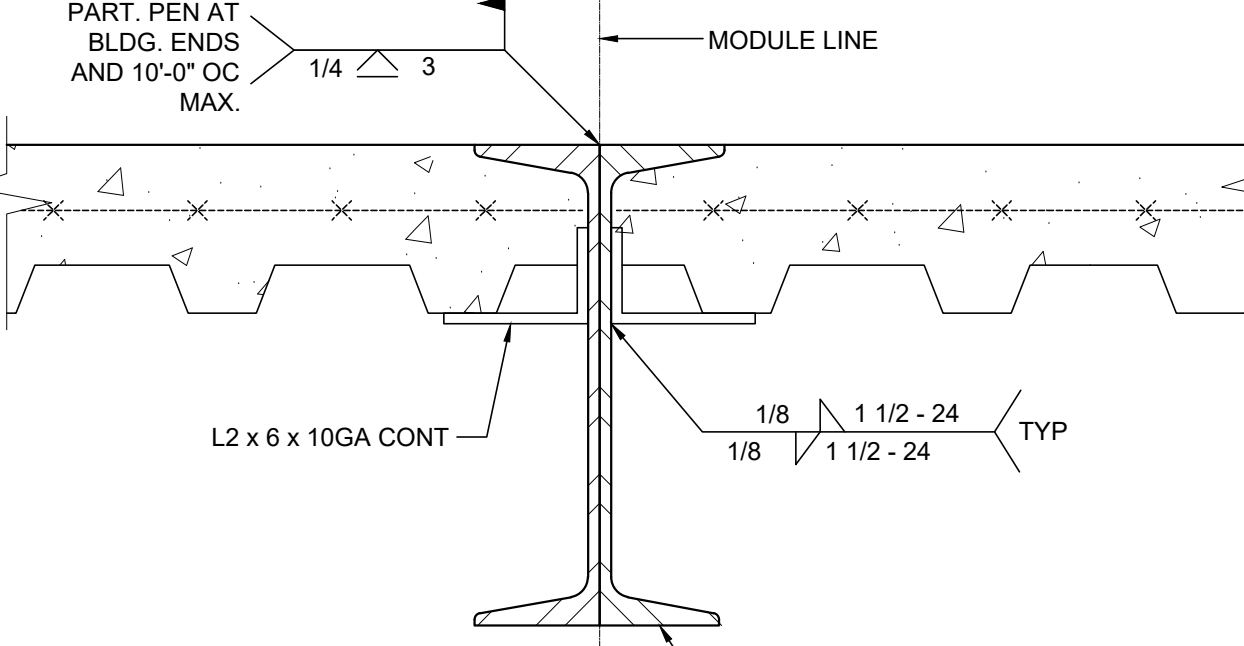
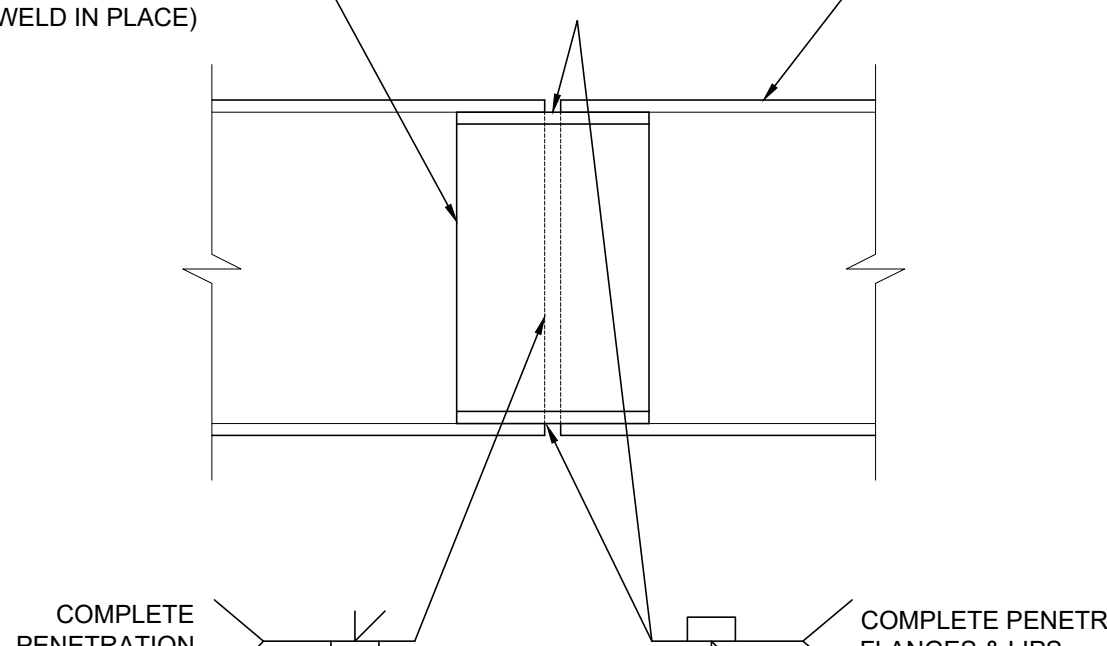
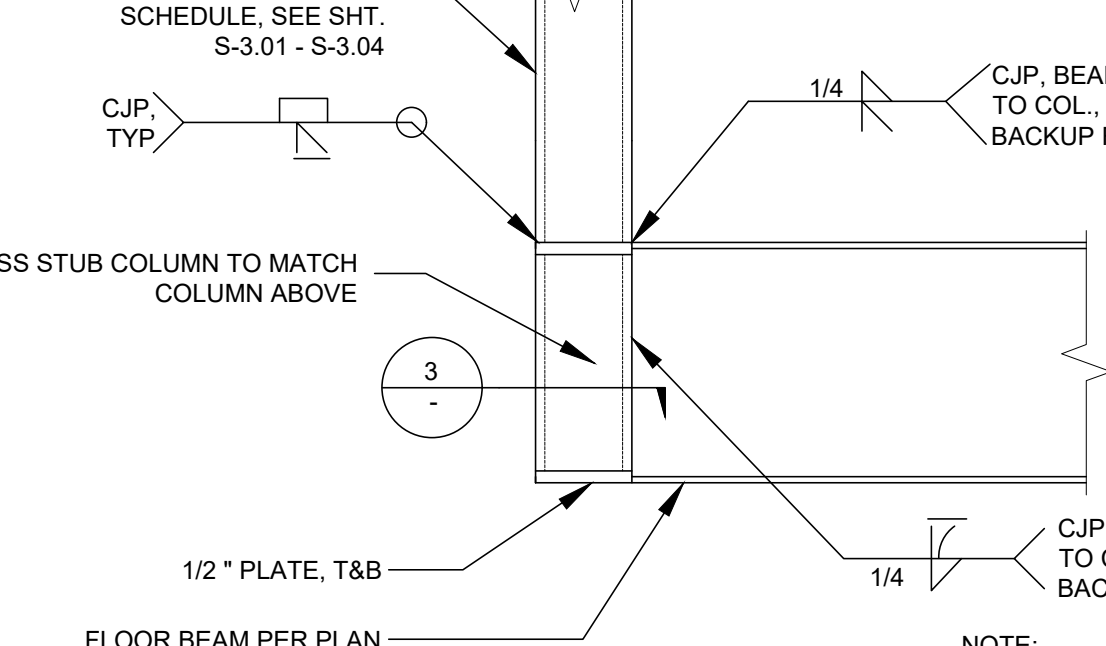
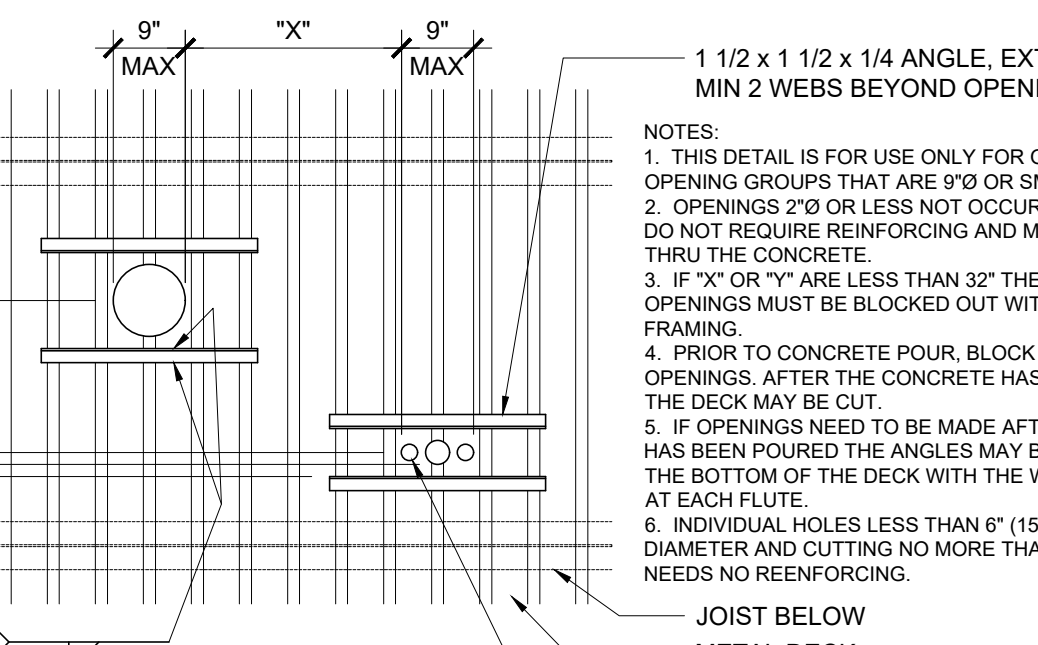
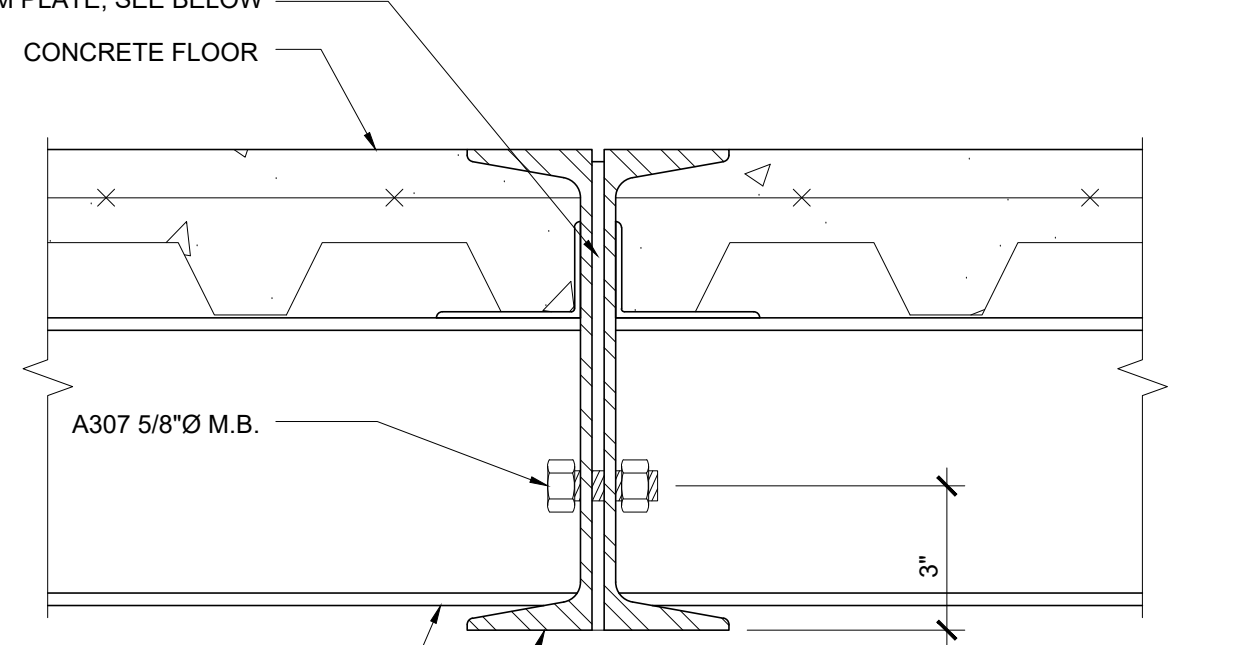
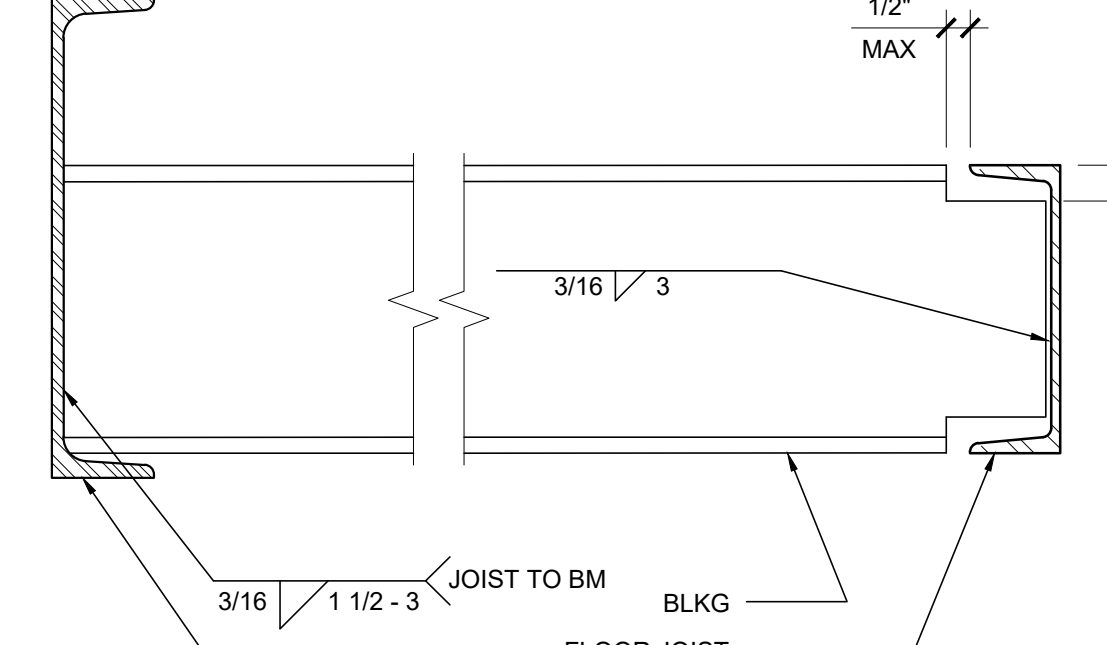
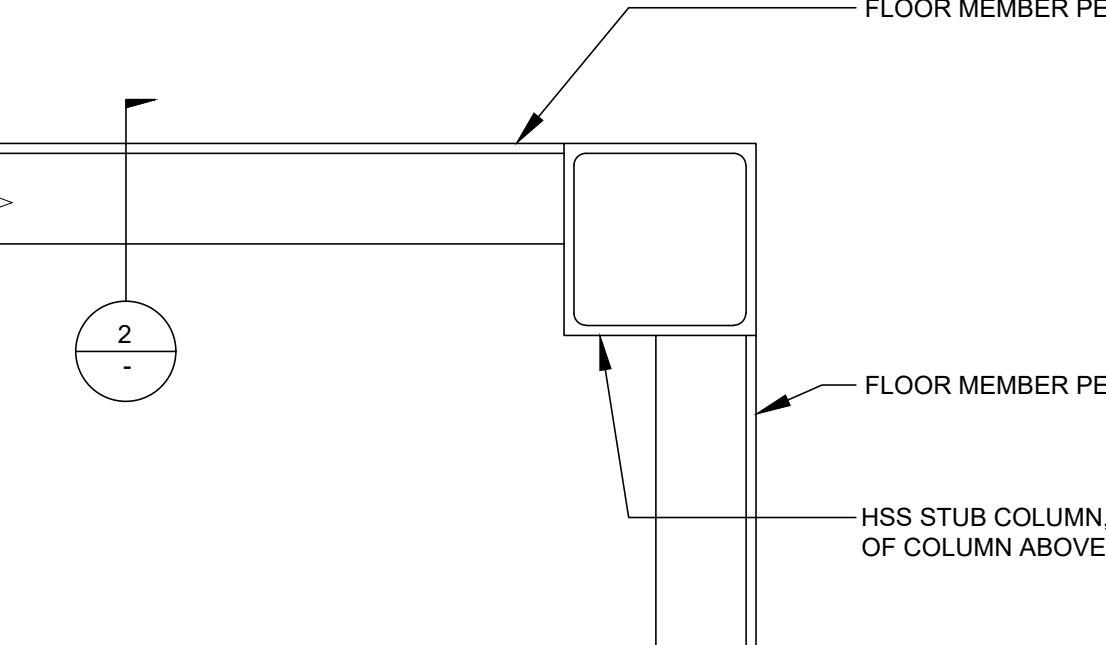

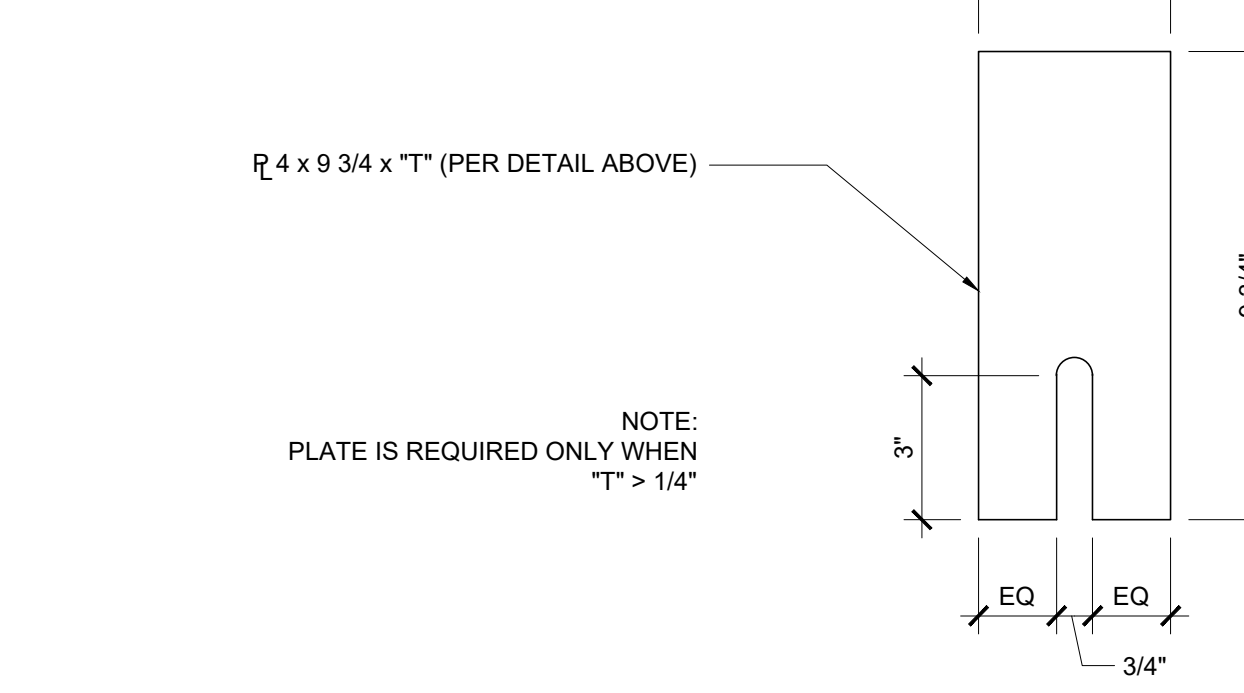

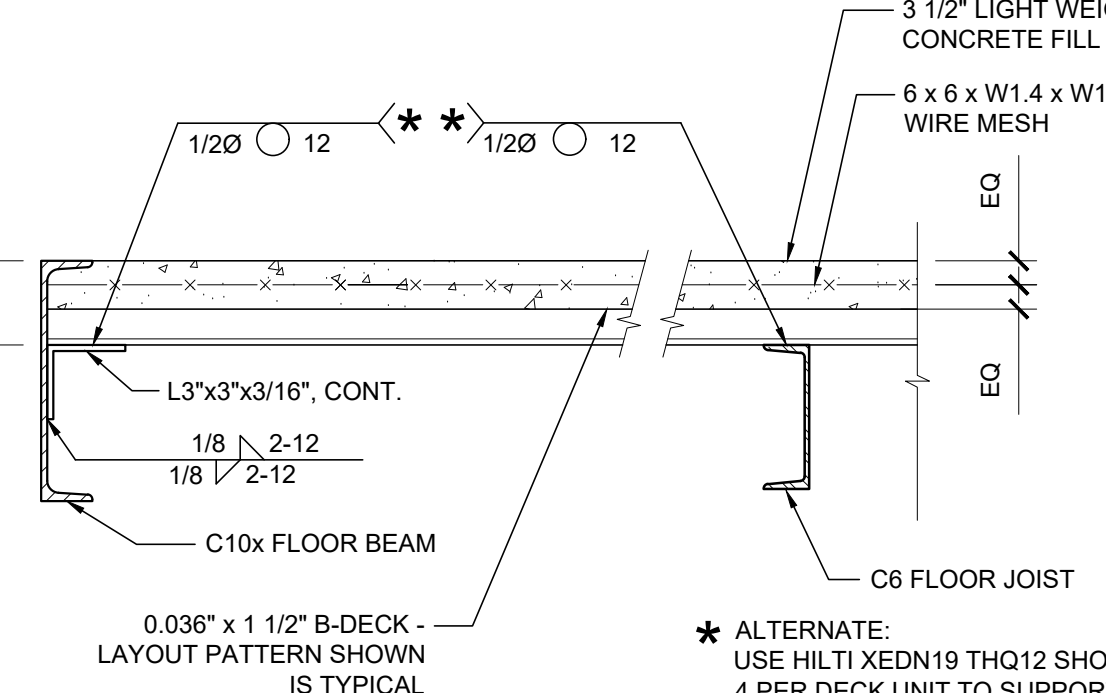

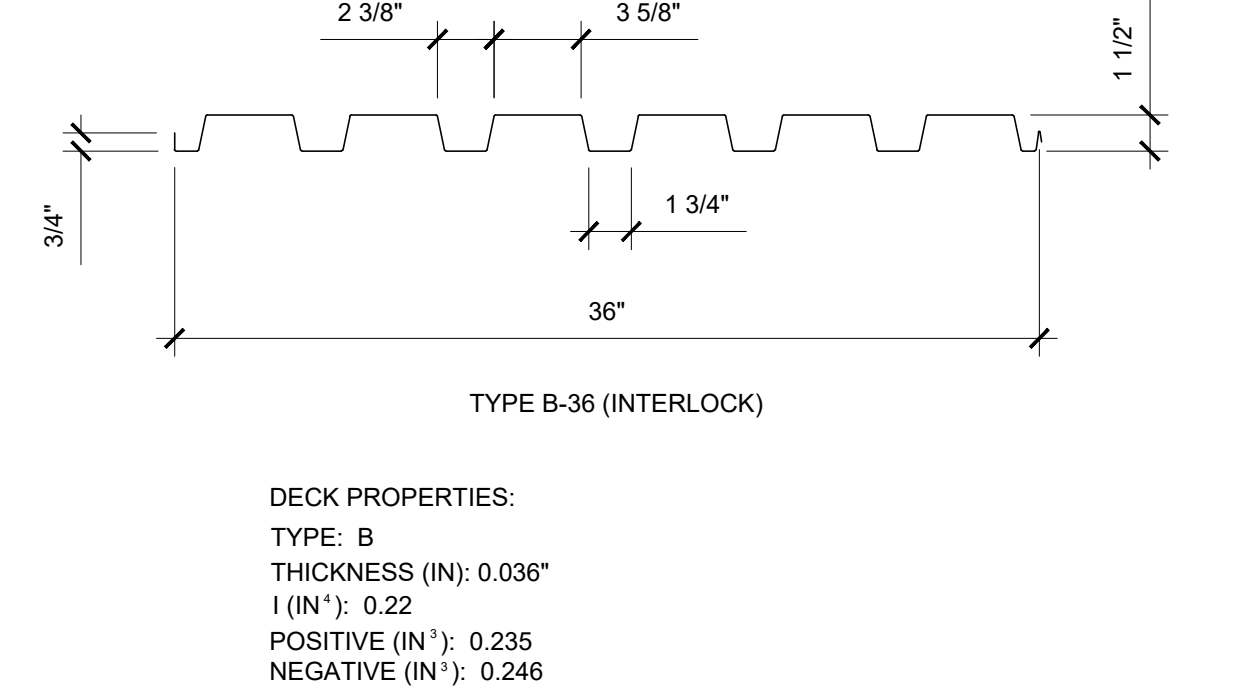

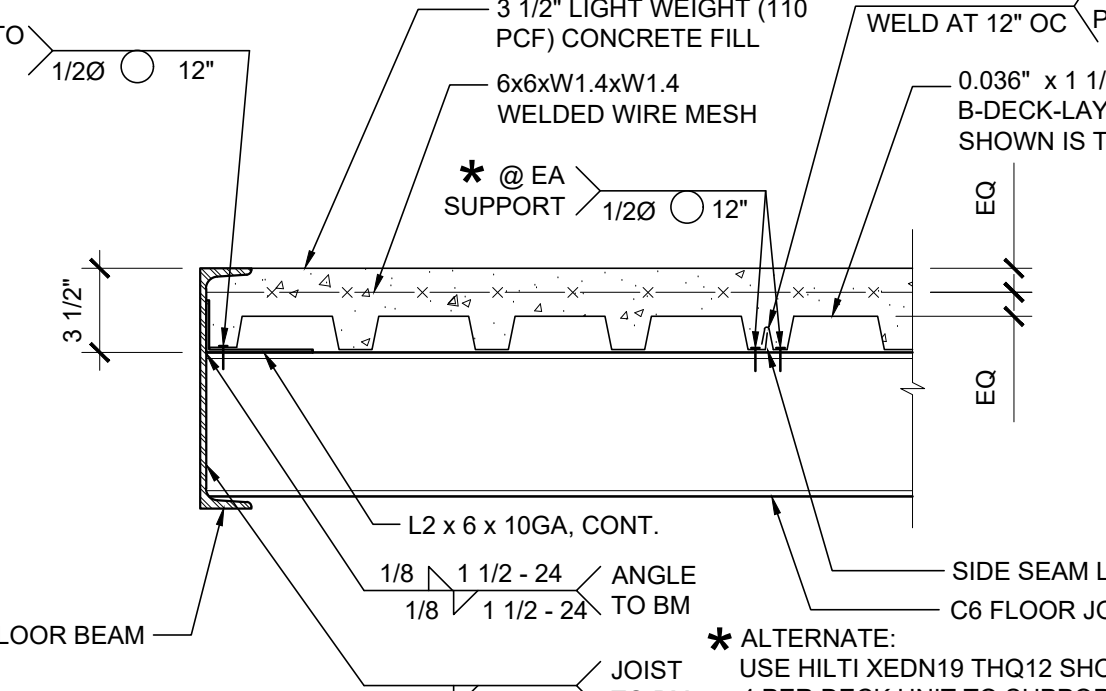
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

S-1.50

 <p>REF: S-1.11</p>	 <p>REF: S-1.11</p>	 <p>REF: S-1.11</p>	
FLOOR PENETRATION	MODULE LINE - BOLTED CONNECTION	SHIPPING HOLD DOWN DETAIL	
 <p>SCALE : 1/8" = 1'-0"</p>	 <p>REF: S-1.11</p>	 <p>REF: S-1.11</p>	 <p>REF: S-1.11</p>
FLOOR JOIST HOLES (OPTIONAL)	MODULE LINE CONNECTION (OPTION 1)	FLOOR BEAM SPLICE	FLOOR BEAM TO COLUMN CONNECTION
 <p>SCALE : 1/2" = 1'-0"</p>	 <p>REF: S-1.11</p>	 <p>REF: S-1.11</p>	 <p>REF: S-1.11</p>
PENETRATIONS IN DECK (OPTION)		BLOCKING TO JOIST	CORNER CONNECTION
 <p>SCALE : 1/2" = 1'-0"</p>	 <p>REF: S-1.11</p>	 <p>REF: S-1.11</p>	 <p>REF: S-1.11</p>
NOT USED	MODULE LINE CONNECTION (OPTION 2)	DECK AT END BEAM	DECK AT END BEAM
 <p>REF: S-1.11</p>	 <p>REF: S-1.11</p>	 <p>REF: S-1.11</p>	 <p>REF: S-1.11</p>
NOT USED	FLOOR DECK PROPERTY	JOIST TO SIDE BEAM	JOIST TO SIDE BEAM

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

FLOOR FRAMING
DETAIL
CONCRETE FLOOR

REVISIONS

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

REVIEWED FOR

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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:

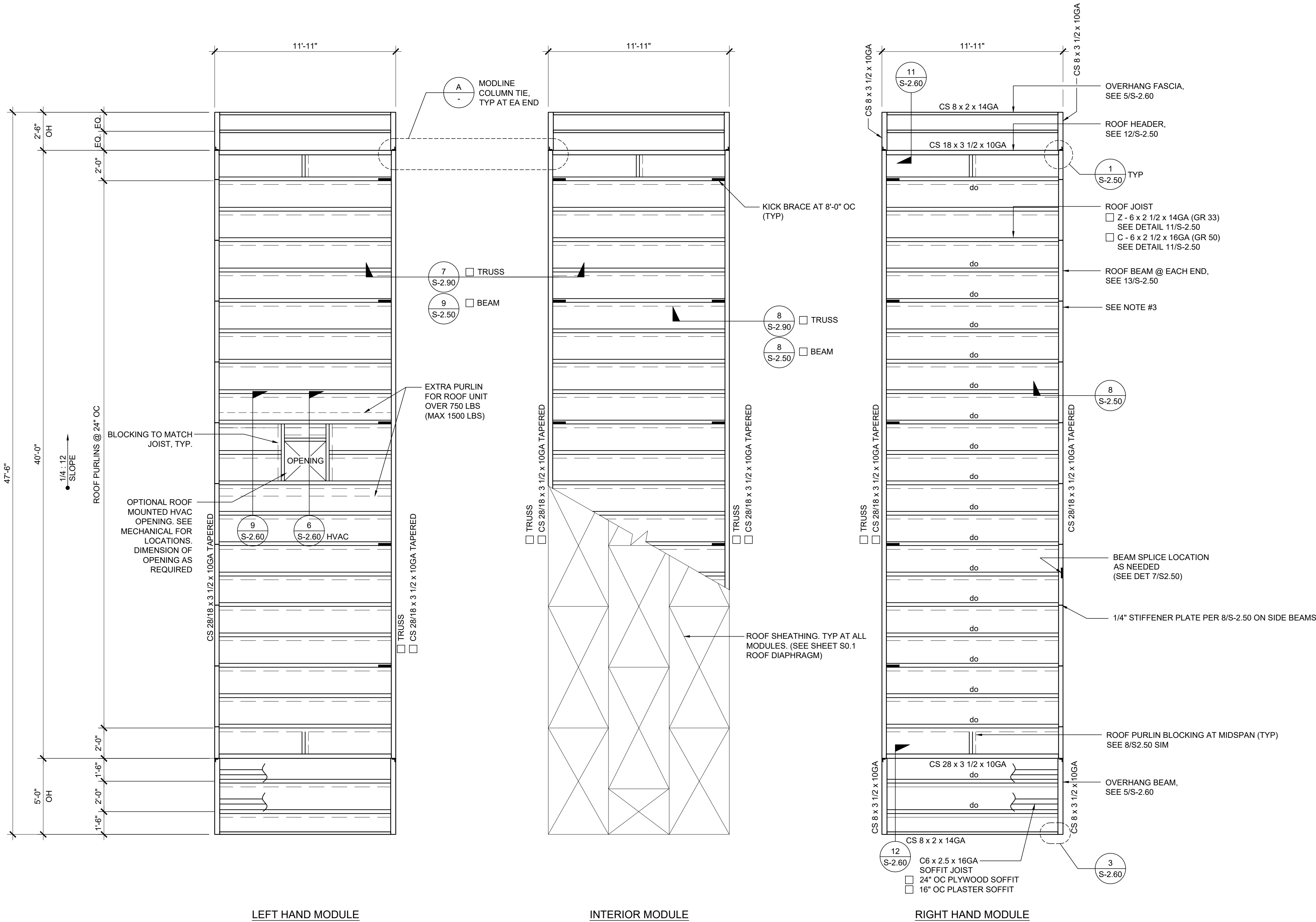
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SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

S-1.60



NOTES

- FOR WALL MOUNTED HVAC UNIT, PROVIDE OPENING THROUGH REAR ROOF HEADER WHERE IT OCCURS. SEE FLOOR PLAN FOR HVAC LOCATION. SEE 5,15 / S-2.50 OR 5,15/S-2.51 FOR DETAILS
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- FOR OPTIONAL SIDE BEAM OPENING SEE 10, 15/S-2.50 OR 10, 15/S-2.51 FOR DETAILS

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PROJECT NAME:

SHEET TITLE:

ROOF FRAMING PLAN MONO SLOPE

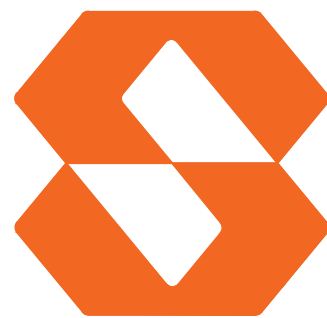
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SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

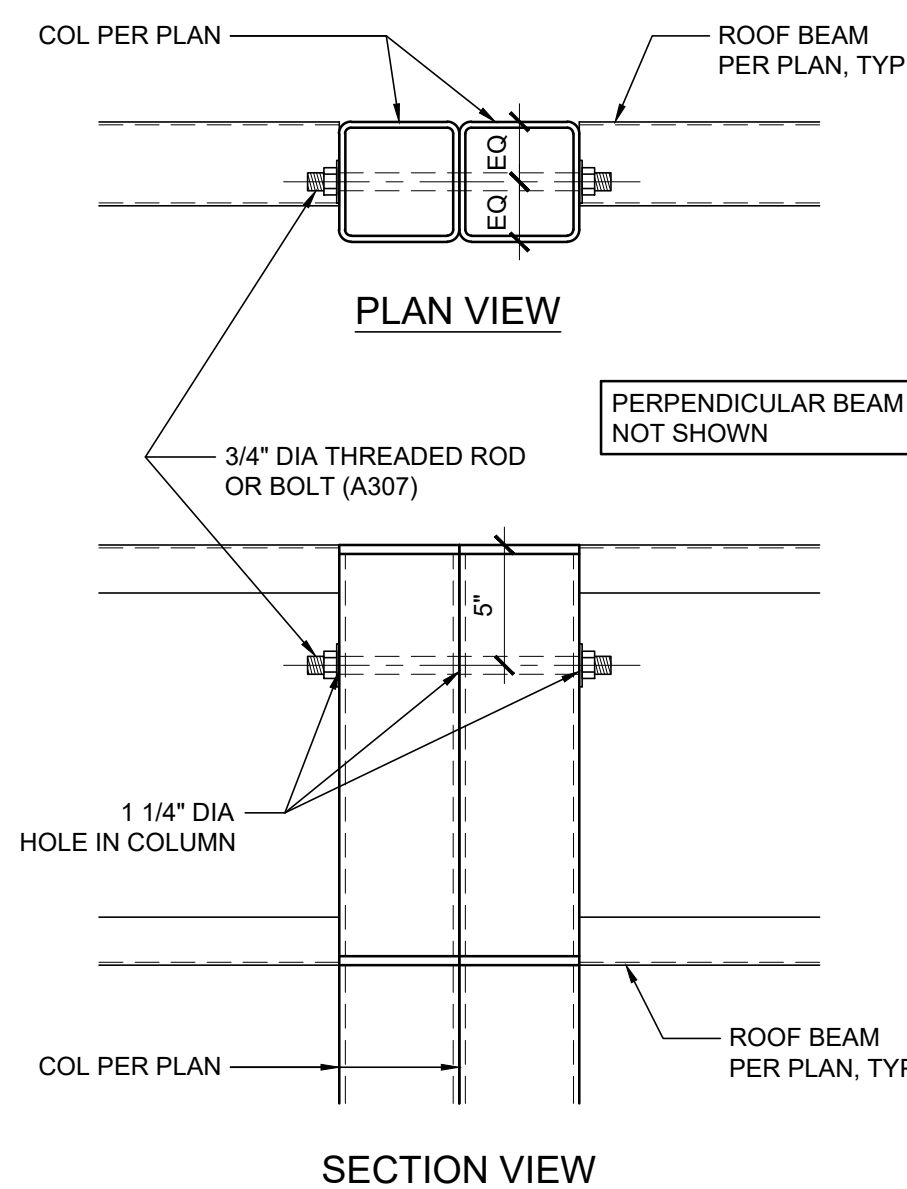
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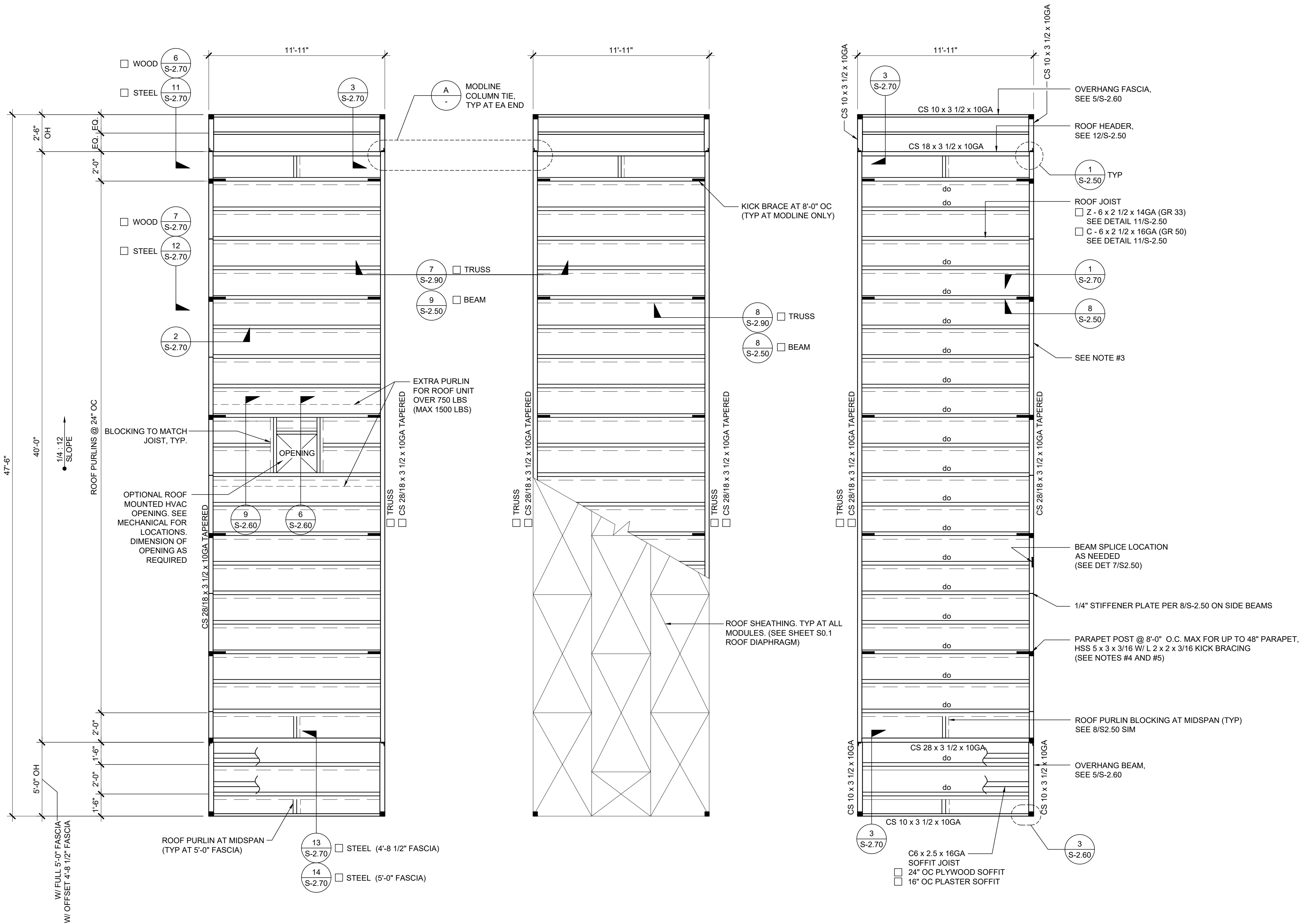
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P.C. SHEET NUMBER

S-2.01





LEFT HAND MODULE

INTERIOR MODULE

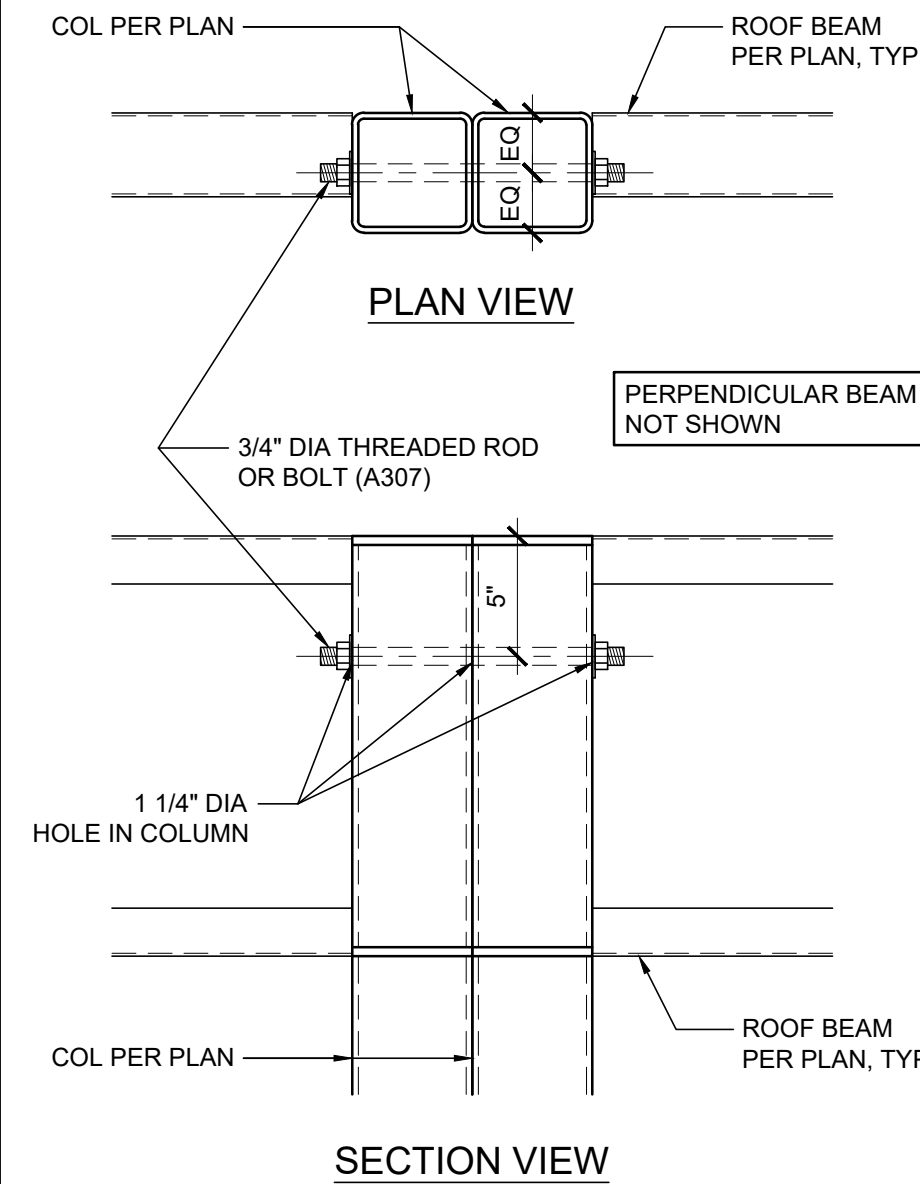
RIGHT HAND MODULE

ROOF FRAMING PLAN

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

NOTES

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- FOR OPTIONAL SIDE BEAM OPENING SEE 10, 15/S-2.50 OR 10, 15/S-2.51 FOR DETAILS
- PARAPET HSS POST AND KICK BRACING REQUIRED WHERE PARAPET HEIGHT IS OVER 9' - SEE 1,2/S-2.70
- PARAPET HEIGHT TO BE DETERMINED BY ARCHITECT BEFORE FABRICATION. (4'-0" MAX.) (SEE ARCHITECTURAL ELEVATION SHEET)



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PROJECT NAME:

SHEET TITLE:

ROOF FRAMING PLAN
PARAPET
MONO SLOPE

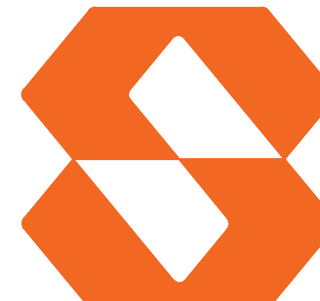
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MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

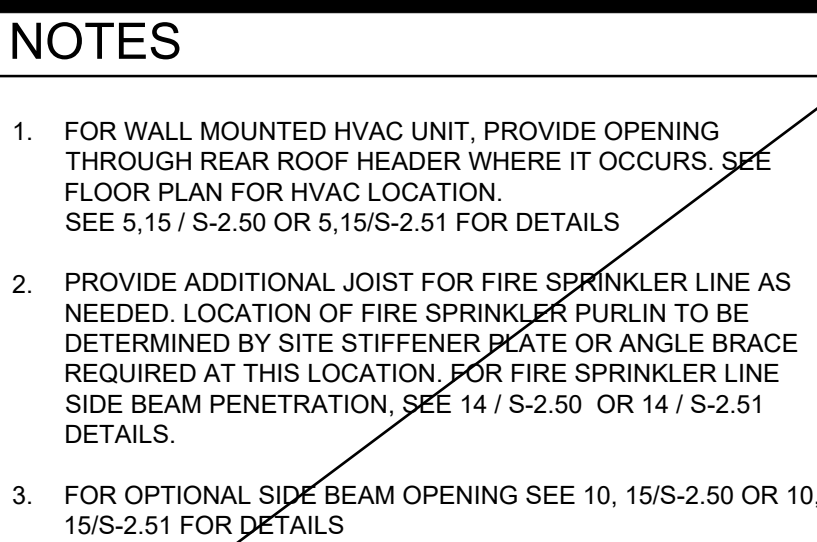
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S-2.03



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ROOF FRAMING PLAN DUAL SLOPE

$$\begin{array}{r} \triangle 1 \\ \hline \triangle 2 \\ \hline \triangle 3 \\ \hline \triangle 4 \\ \hline \triangle 5 \end{array}$$


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P.C. SHEET NUMBER

S-2.11

NOTES

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PROJECT NAME:

SHEET TITLE:

ROOF FRAMING PLAN
PARAPET
DUAL SLOPE

REVISIONS

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- 2
- 3
- 4
- 5

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MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

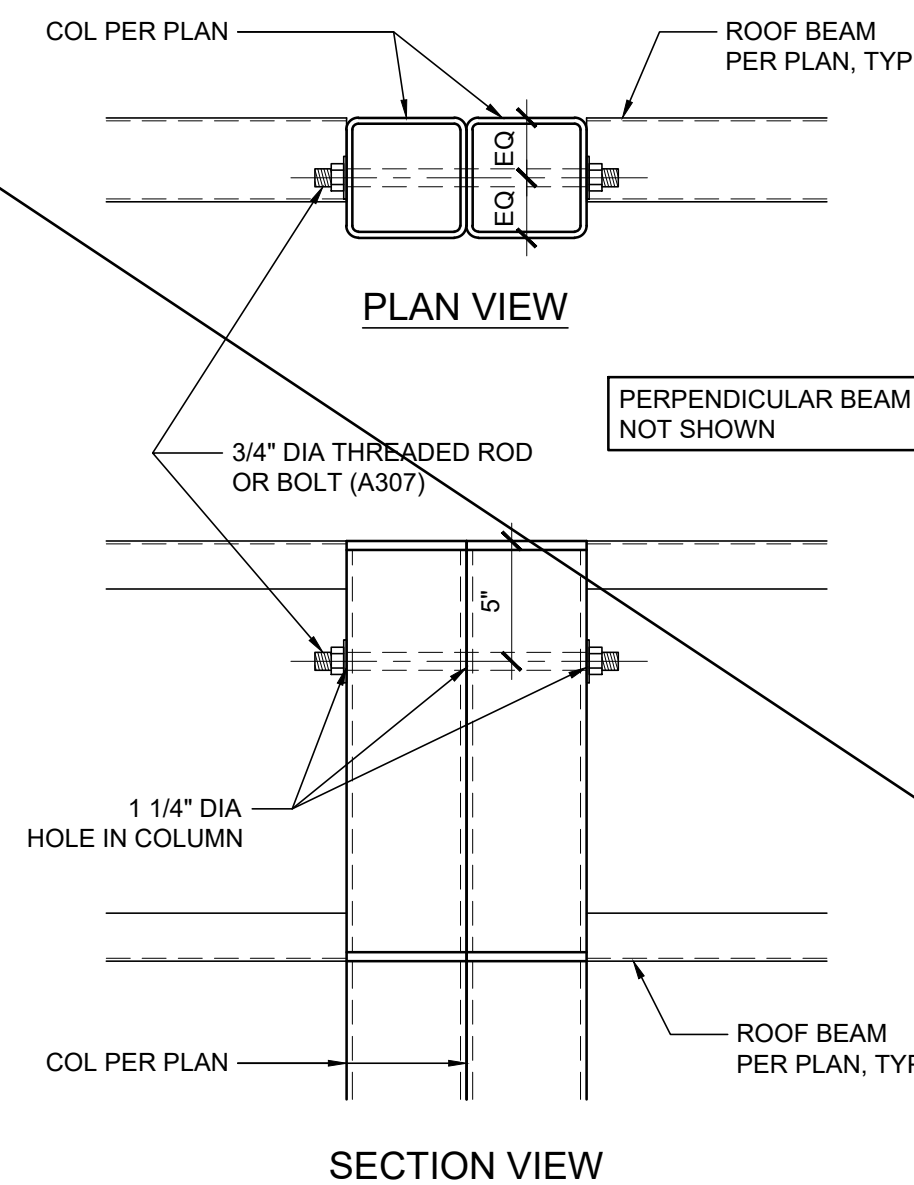
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SCALE: AS NOTED

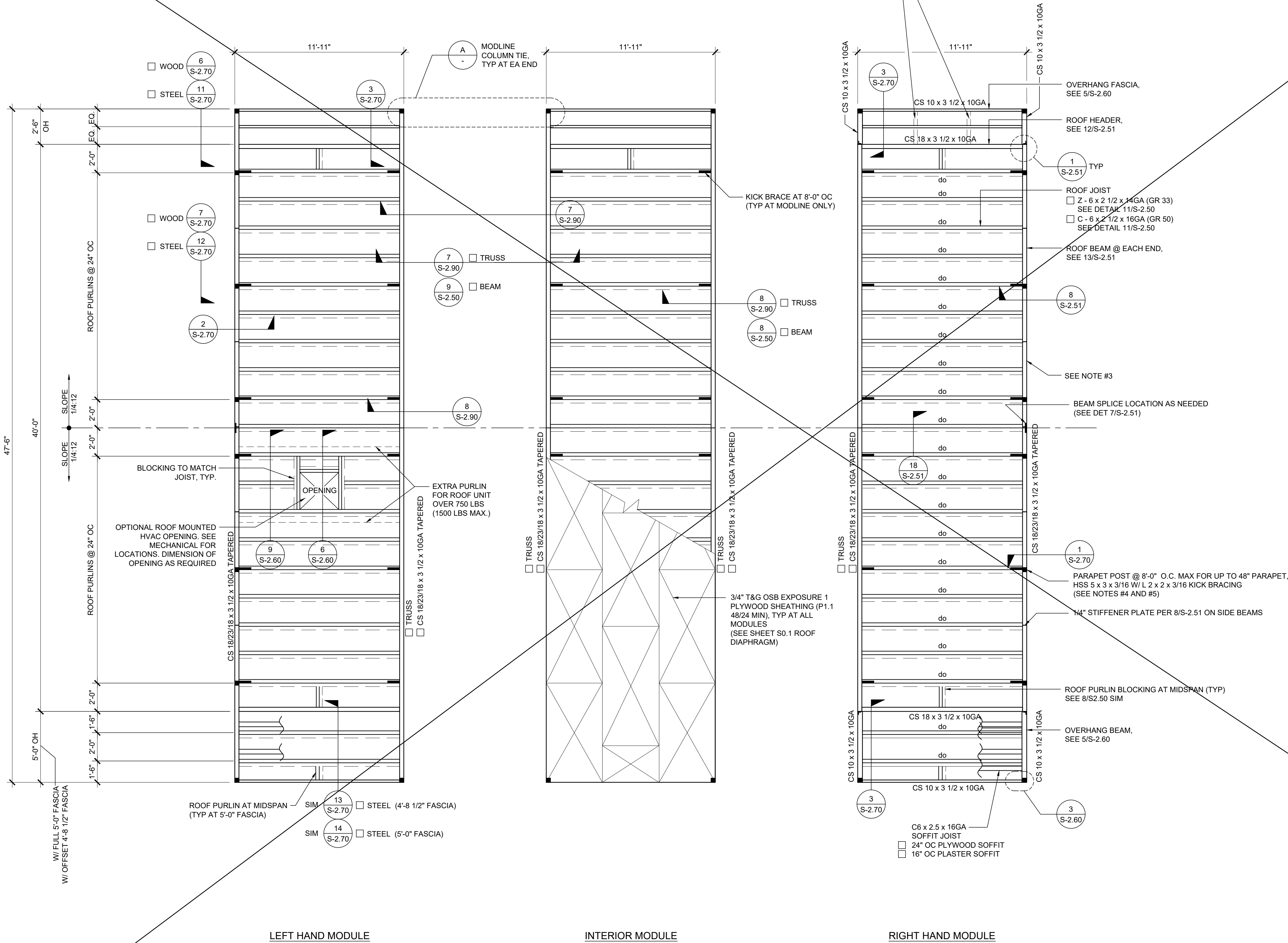
DATE: 02-27-2023

P.C. SHEET NUMBER

S-2.13



NOTE:
ONE JOIST BLOCK @ EACH SIDE OF HVAC
UNIT IN THE EVENT THAT HVAC UNIT IS
CENTERED OR PARAPET OPTION IS USED TYP.



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"
NOT USED	17	ROOF HEADER SCALE : NTS	12	BEAM SPLICE SCALE : 3" = 1'-0"	7	COLUMN AT ROOF - SECTION SCALE : 3" = 1'-0"
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"
NOT USED	19	SIDEWALL BEAM PENETRATION SCALE : 1 1/2"=1'-0"	14	MODULE CONNECTION AT ROOF (OPTION) SCALE : 3"=1'-0"	9	NOT USED
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"

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PROJECT NAME:

SHEET TITLE:

ROOF FRAMING
DETAILS
MONO SLOPE

REVISIONS

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

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

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S-2.50

<p>NOT USED</p>	<p>16</p> <p>REAR OVERHANG SECTION</p> <p>SCALE : 1 1/2" = 1'-0"</p> <p>REF: S2.01, S2.03, S2.11, S2.13</p>	<p>11</p> <p>HVAC CURB ATTACHMENT</p> <p>SCALE : 3/4" = 1'-0"</p> <p>REF: S2.01 - S2.03 ; S211 - S213</p>	<p>6</p> <p>SOFFIT JOIST TO OVERHANG BEAM</p> <p>SCALE : 3"=1'-0"</p> <p>REF: S3.01</p>
<p>NOT USED</p>	<p>17</p> <p>FRONT OVERHANG SECTION - MONO SLOPE</p> <p>SCALE: 3/4" = 1'-0"</p> <p>REF: S2.01, S2.03</p>	<p>12</p> <p>GUARDRAIL AT SIDEWALL</p> <p>SCALE : 3/4"=1'-0"</p>	<p>7</p> <p>SOFFIT ANGLE TO HEADER CONNECTION</p> <p>SCALE : 3"=1'-0"</p> <p>REF: S3.01</p>
<p>CANOPY SECTION</p> <p>'AA' SECTION</p> <p>CANOPY ISOMETRIC</p> <p>OPTIONAL CANOPY</p> <p>SCALE : 1 1/2" = 1'-0"</p> <p>20</p>	<p>13</p> <p>FRONT OVERHANG SECTION - DUAL SLOPE</p> <p>SCALE: 3/4" = 1'-0"</p> <p>REF: S2.11, S2.13</p> <p>14</p> <p>NOT USED</p> <p>15</p> <p>NOT USED</p>	<p>14</p> <p>DOUBLE PURLINS AT HVAC</p> <p>SCALE: 1 1/2" = 1'-0"</p> <p>10</p> <p>NOT USED</p>	<p>8</p> <p>ROOF GUARDRAIL W/ PARAPET</p> <p>SCALE : 3/4" = 1'-0"</p> <p>REF: S2.01 - S2.03 ; S211 - S213</p> <p>9</p> <p>SOFFIT JOIST</p> <p>SCALE : 6"=1'-0"</p> <p>4</p> <p>OVERHANG FASCIA & BEAM</p> <p>SCALE : 3"=1'-0"</p> <p>5</p>

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PROJECT NAME:

SHEET TITLE:

ROOF FRAMING DETAILS

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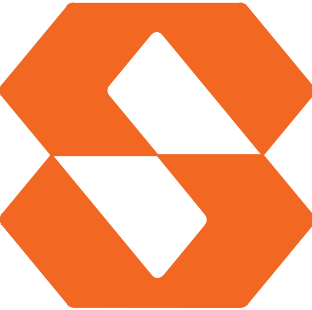
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MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES

24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

S-2.60

		<p>★ SEE ARCHITECTURAL ELEVATION TO DETERMINE THE HEIGHT OF FASCIA</p> <p>REF: S2.03, S2.13</p>				<p>REF: S2.03, S2.13</p>	
	16	PARAPET STEEL METAL FRAMING AT CORNER SCALE : 1"=1'-0"	11	NOT USED	6	TUBE STEEL TO BEAM AT SIDEWALL SCALE : 3"=1'-0"	1
		<p>REF: S2.03, S2.13</p>				<p>REF: S2.03, S2.13</p>	
	17	PARAPET STEEL METAL FRAMING AT SIDEWALL SCALE : 1"=1'-0"	12	NOT USED	7	PARAPET POST WITH SLEEVE OPTION SCALE : 1 1/2"=1'-0"	2
		<p>REF: S2.03, S2.13</p>				<p>REF: S2.03, S2.13</p>	
	18	FRONT PARAPET STEEL METAL CONNECTION (OFFSET FASCIA) SCALE : 1 1/2"=1'-0"	13	NOT USED	8	PARAPET POST CONNECTION AT MODLINE SCALE : 1 1/2"=1'-0"	3
		<p>REF: S2.03, S2.13</p>				<p>REF: S2.03, S2.13</p>	
	19	FRONT PARAPET SHEET METAL CONNECTION SCALE : 1 1/2"=1'-0"	14	NOT USED	9	PARAPET POST CONNECTION AT INTERIOR SCALE : 1 1/2"=1'-0"	4
		<p>REF: S2.70</p>				<p>REF: S2.70</p>	
	20	PARAPET SHEET METAL FRAMING TO TUBE STEEL SCALE : 3"=1'-0"	15	NOT USED	10	OVERHANG FASCIA/BEAM @ PARAPET SCALE : 6"=1'-0"	5

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PROJECT NAME:

SHEET TITLE:

ROOF FRAMING DETAILS
PARAPET

REVISIONS

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MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

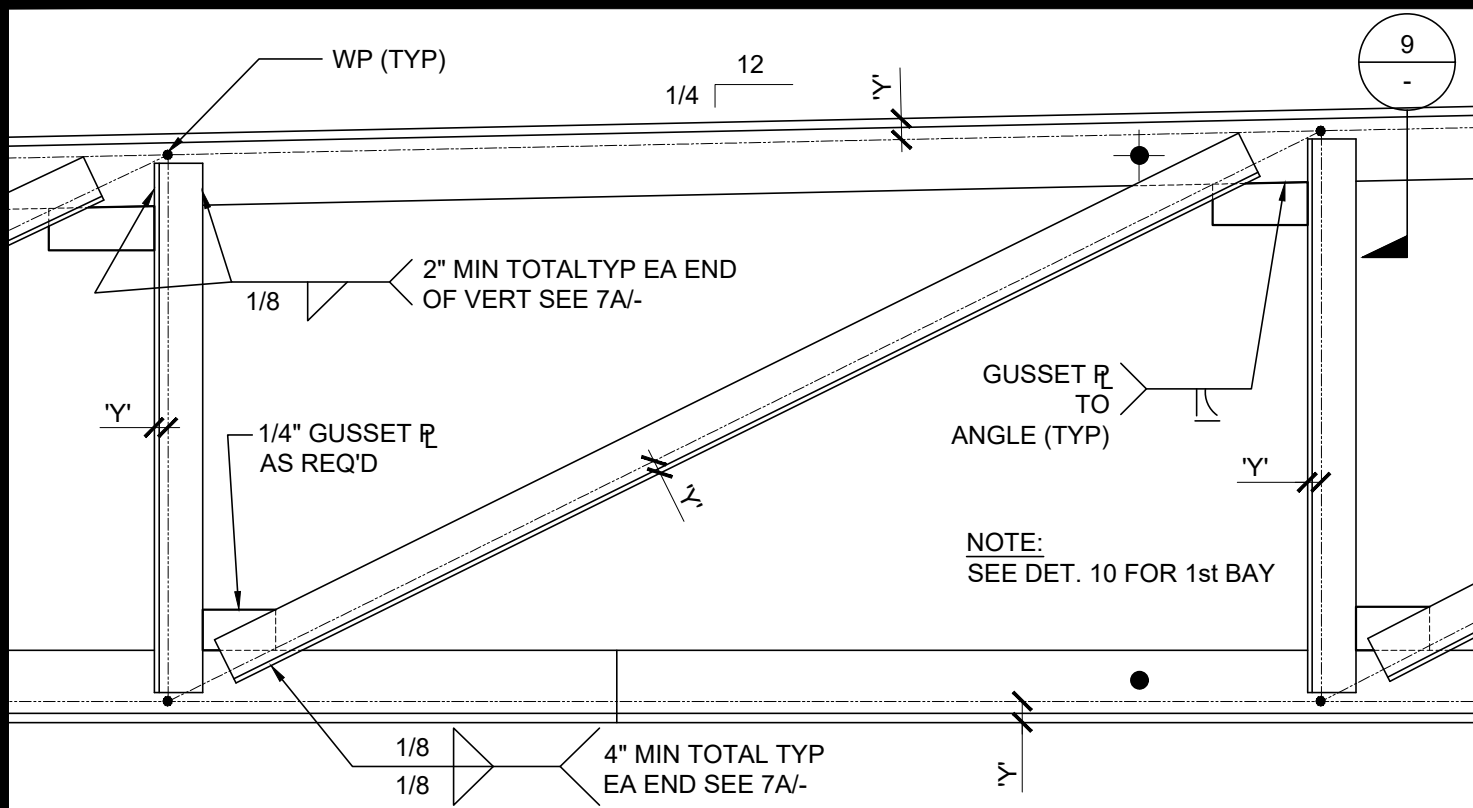
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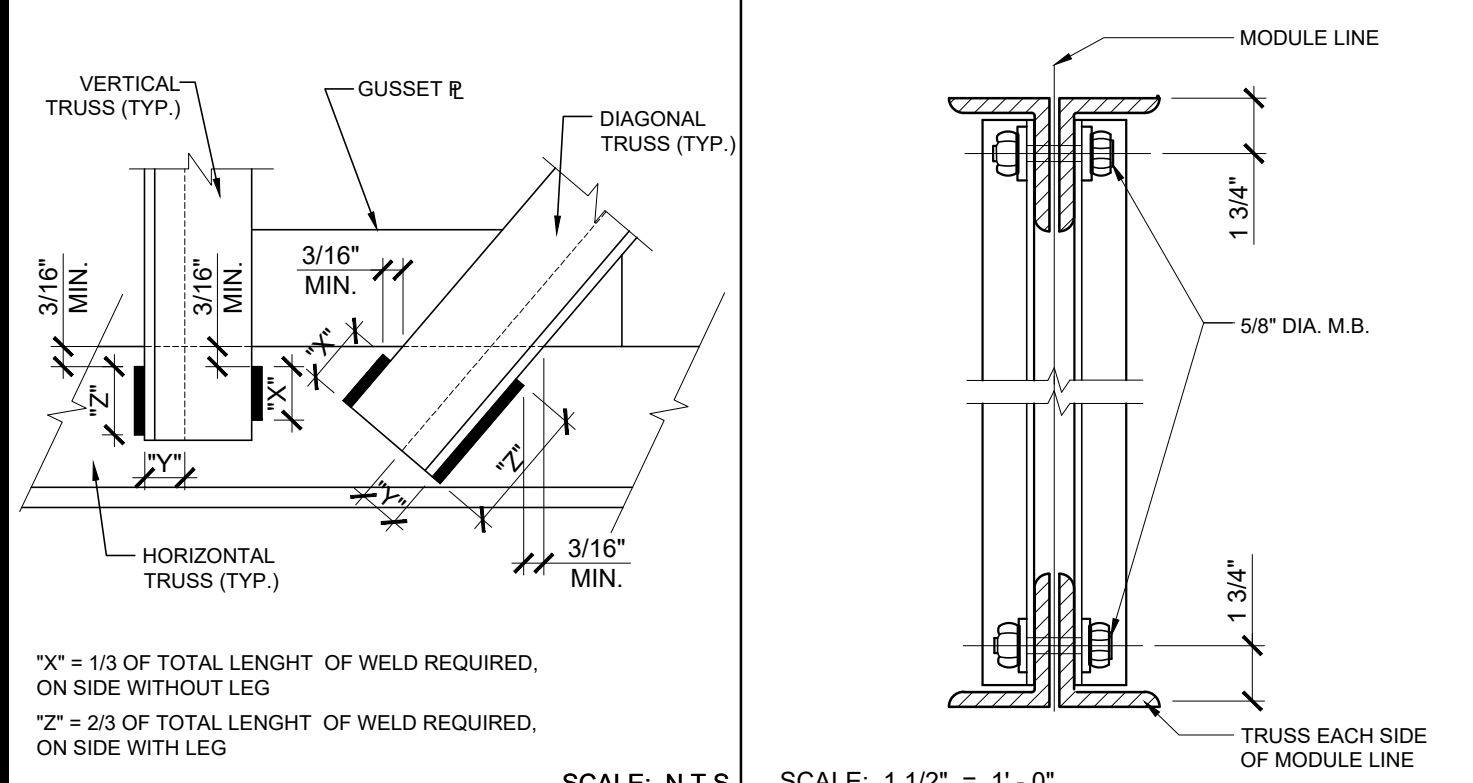
DATE: 02-27-2023

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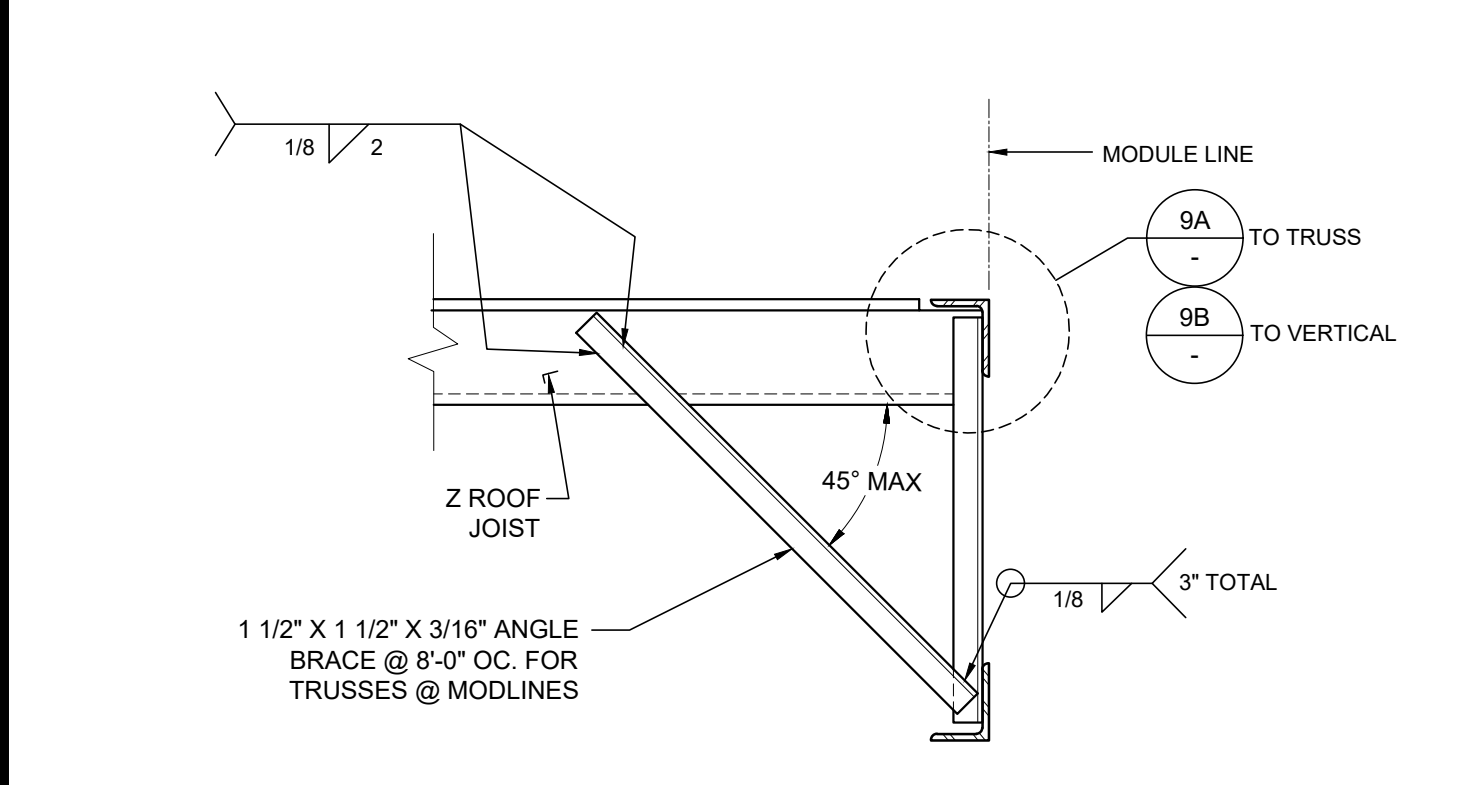
S-2.70



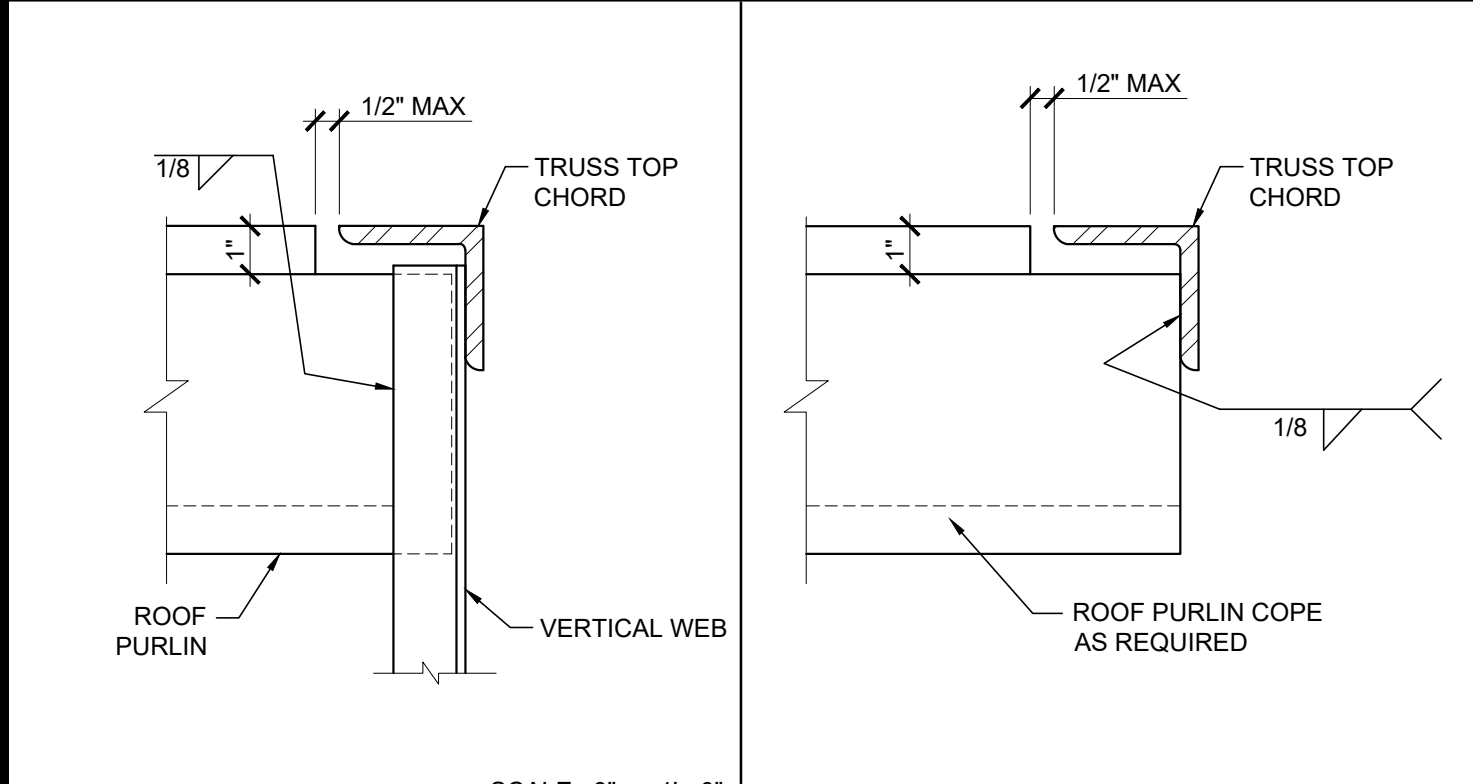
TYP. VERTICAL & DIAGONAL (U.N.O.)



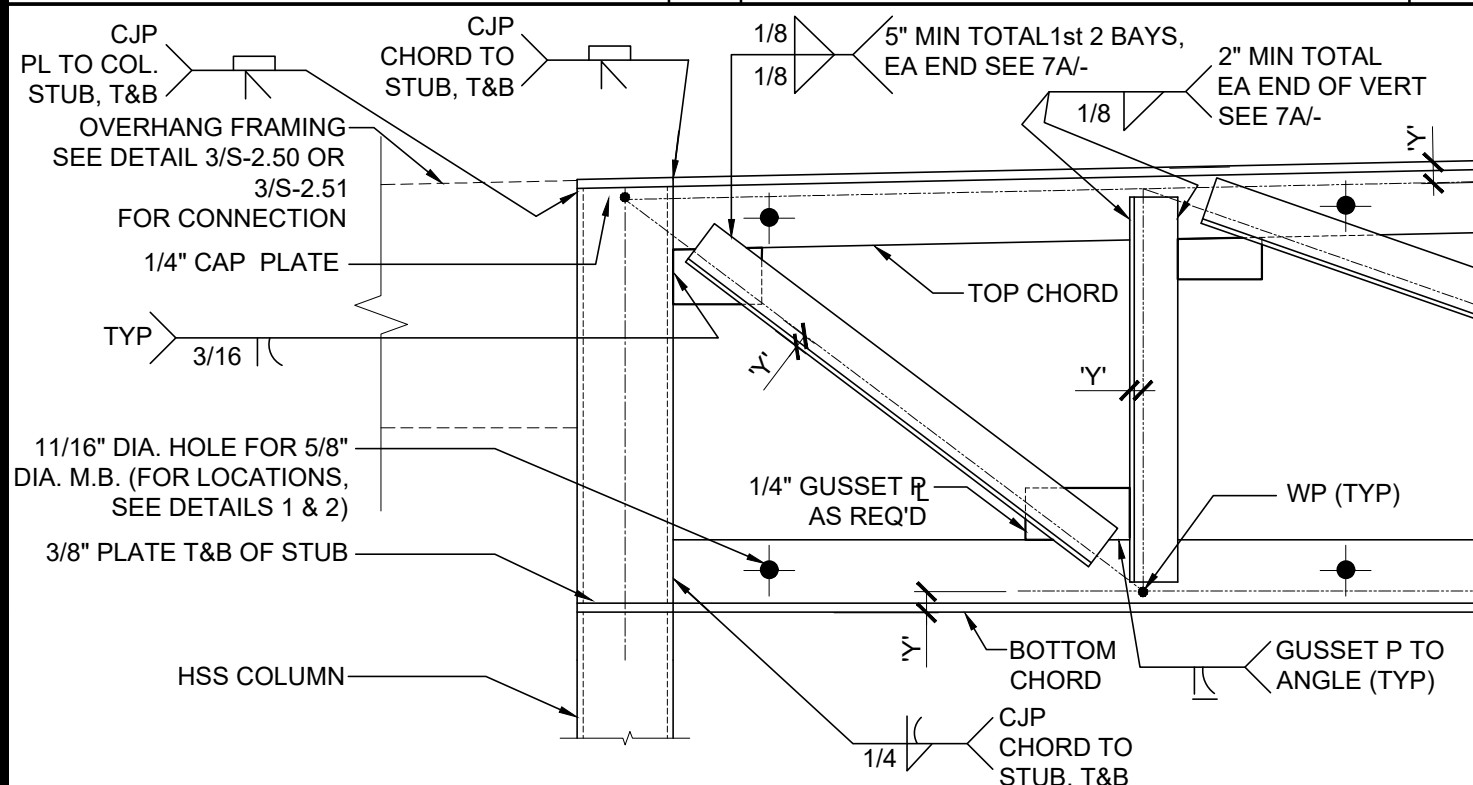
FILLET WELD TERMINATION



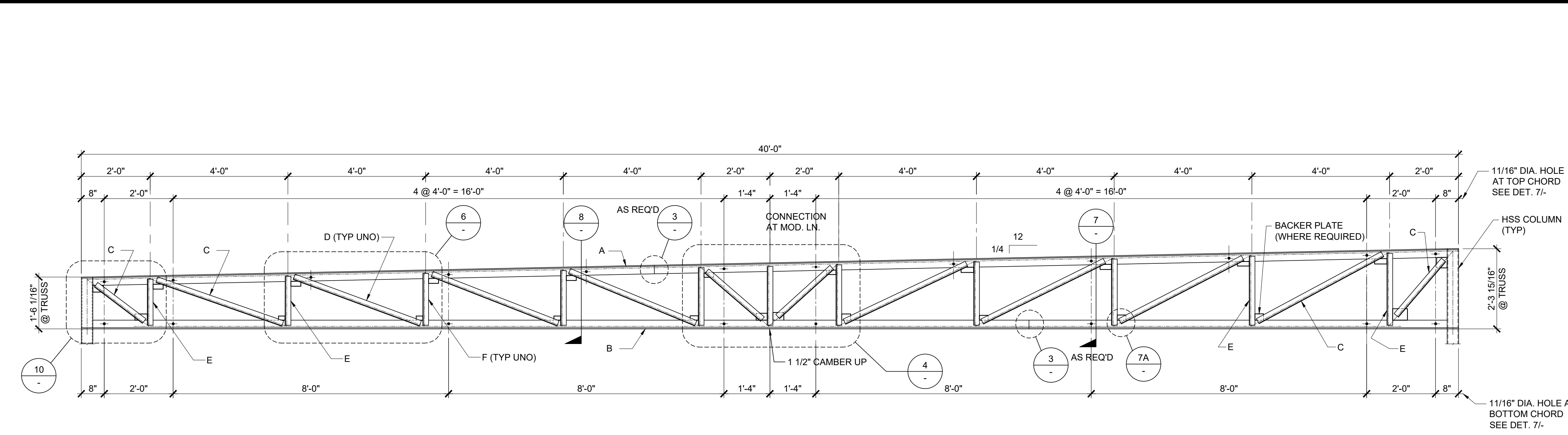
BRACE @ TRUSS & MATING LINE



PURLIN TO VERT. ANGLE CONN.



TRUSS TO COLUMN / OH FRAME CONN.



NOTES:

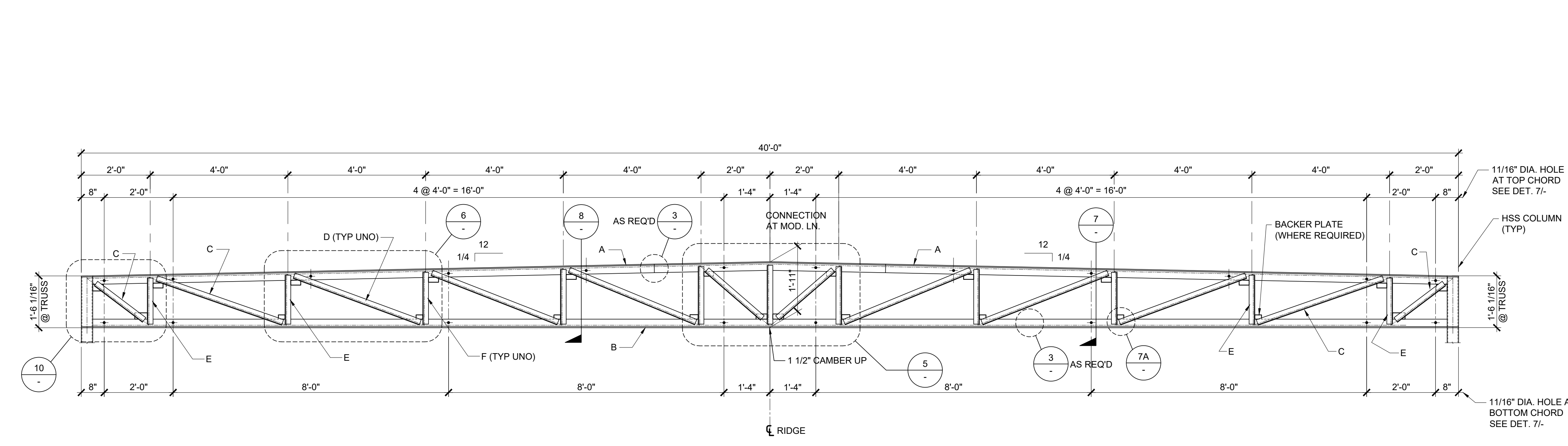
- SEE SHEET S-0.1 FOR STEEL GRADES.
- REQUIRED ELECTRODES FOR ALL WELDS TO BE E-70
- VOLTAGE & AMPERAGE SHALL BE PER ELECTRODE MANUFACTURERS SPECIFICATIONS
- BOLTS AND NUTS GRADES TO BE A307

REF: ROOF FRAMING PLAN

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

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

MONO SLOPE TRUSS



NOTES:

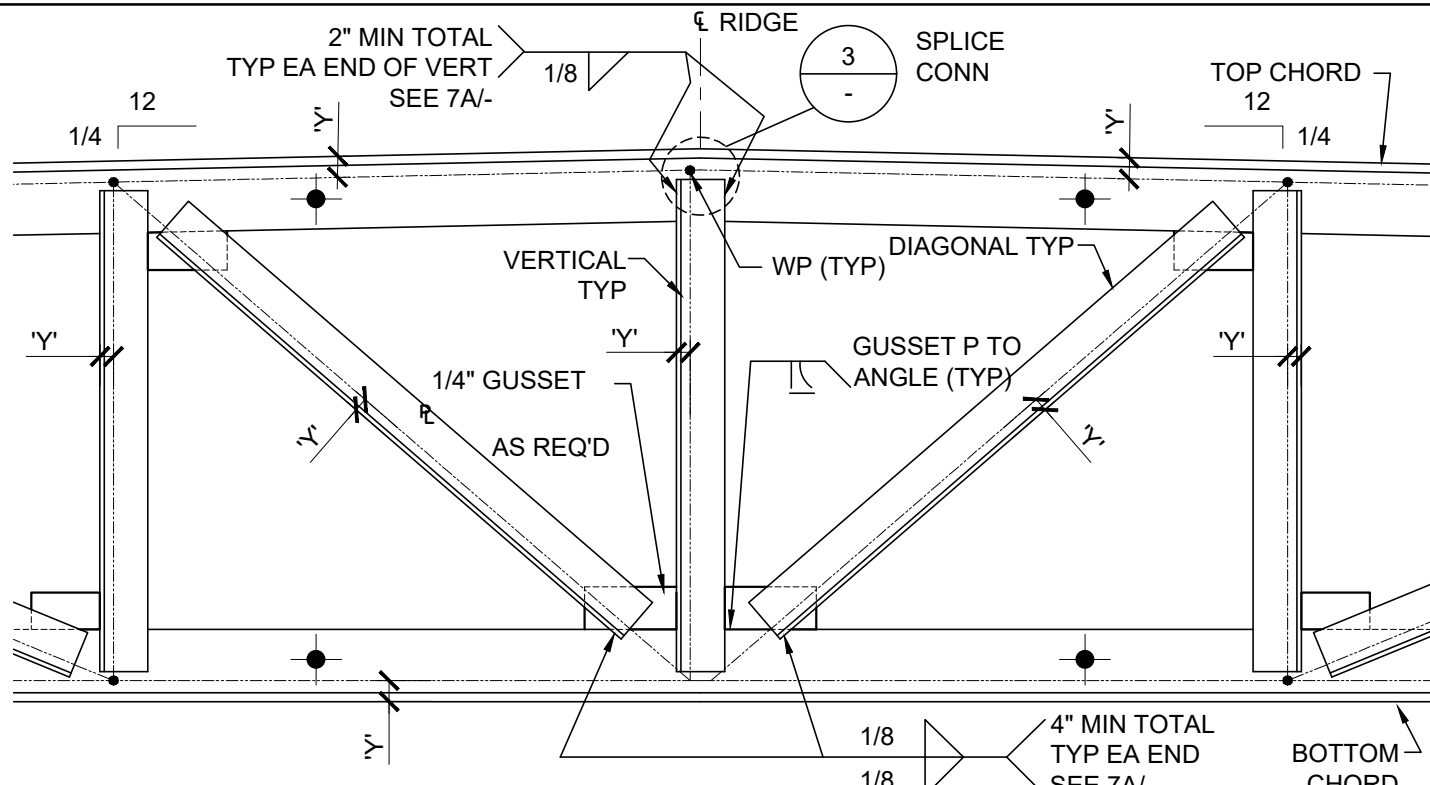
- SEE SHEET S-0.1 FOR STEEL GRADES.
- REQUIRED ELECTRODES FOR ALL WELDS TO BE E-70
- VOLTAGE & AMPERAGE SHALL BE PER ELECTRODE MANUFACTURERS SPECIFICATIONS
- BOLTS AND NUTS GRADES TO BE A307

REF: ROOF FRAMING PLAN

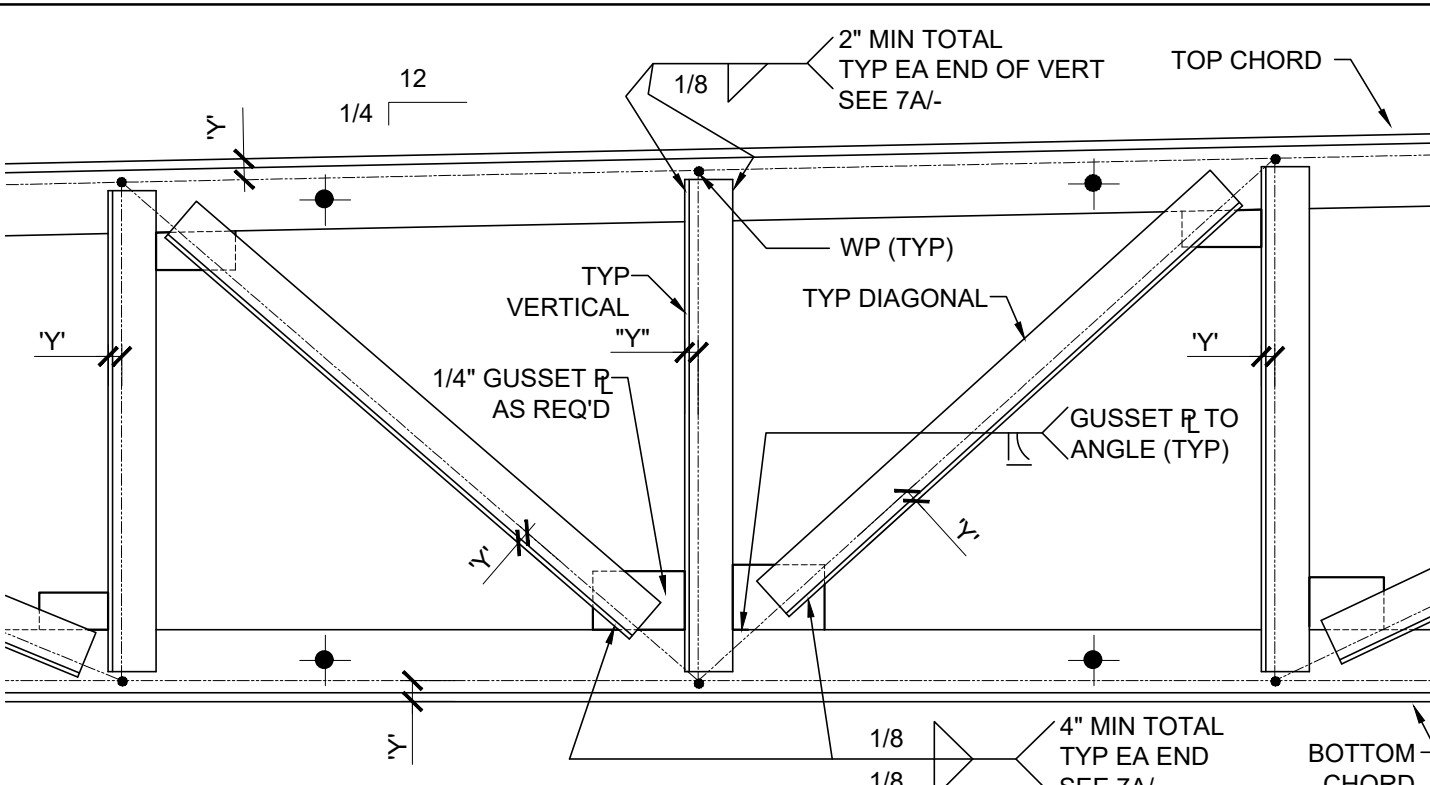
TRUSS MARK:		
A	TOP CHORD	4" x 4" x 3/8" (LLV)
B	BOTTOM CHORD	4" x 4" x 3/8" (LLV)
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E	END VERTICAL (2 EACH END)	1 1/2" x 1 1/2" x 10 GA.
F	TYPICAL VERTICALS	1 1/2" x 1 1/2" x 10 GA.

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

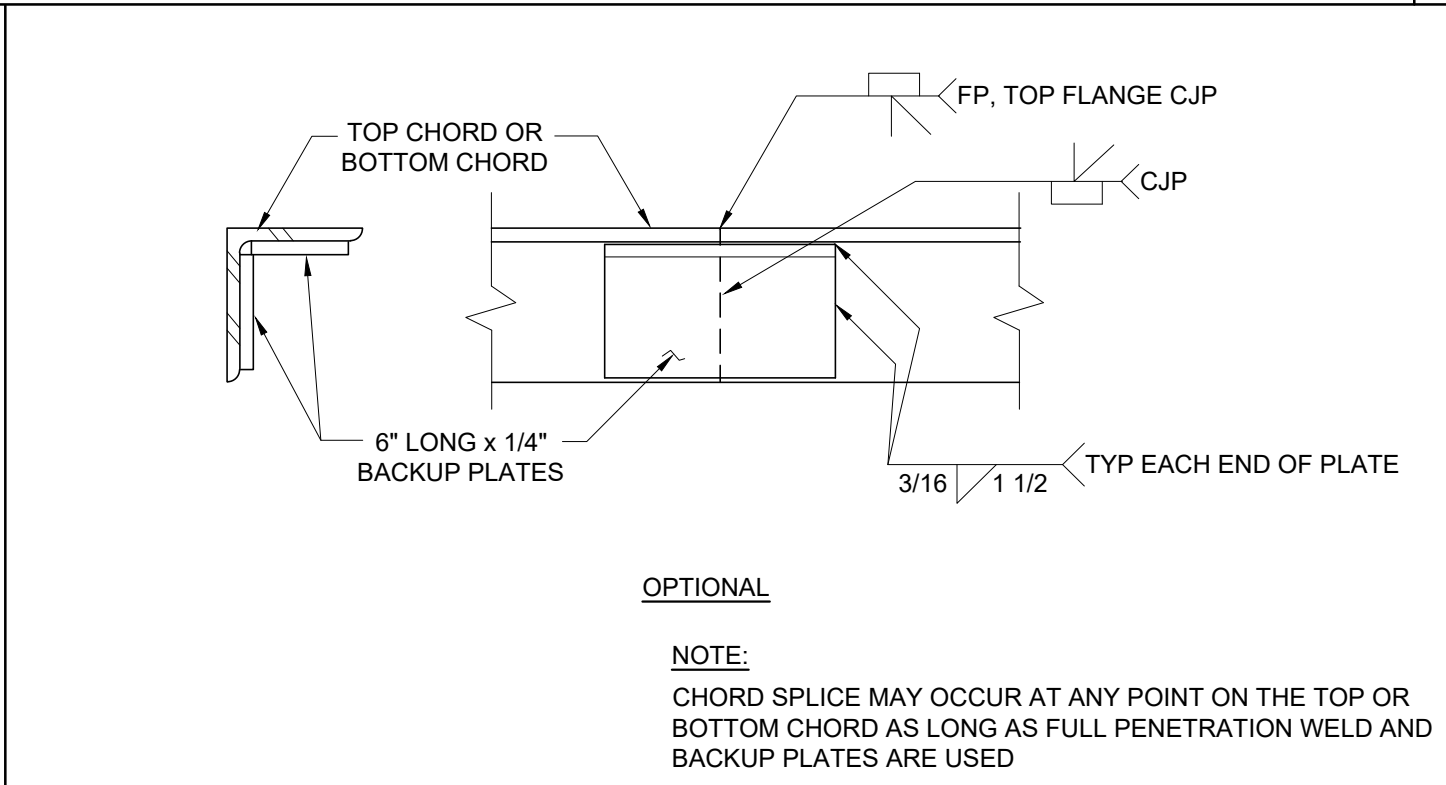
DUAL SLOPE TRUSS



VERT. & DIAG. AT MID-POINT



VERT. & DIAG. AT MID-POINT



TRUSS CHORD SPLICE

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

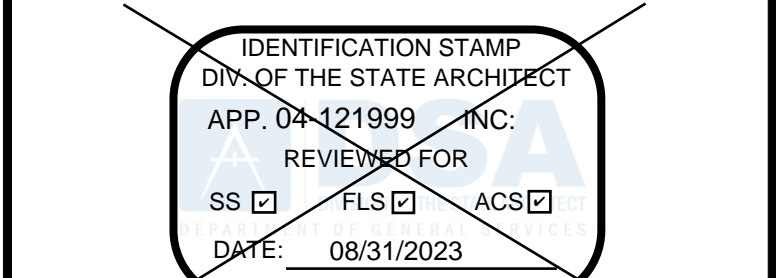
SHEET TITLE:

ROOF FRAMING DETAILS TRUSS

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



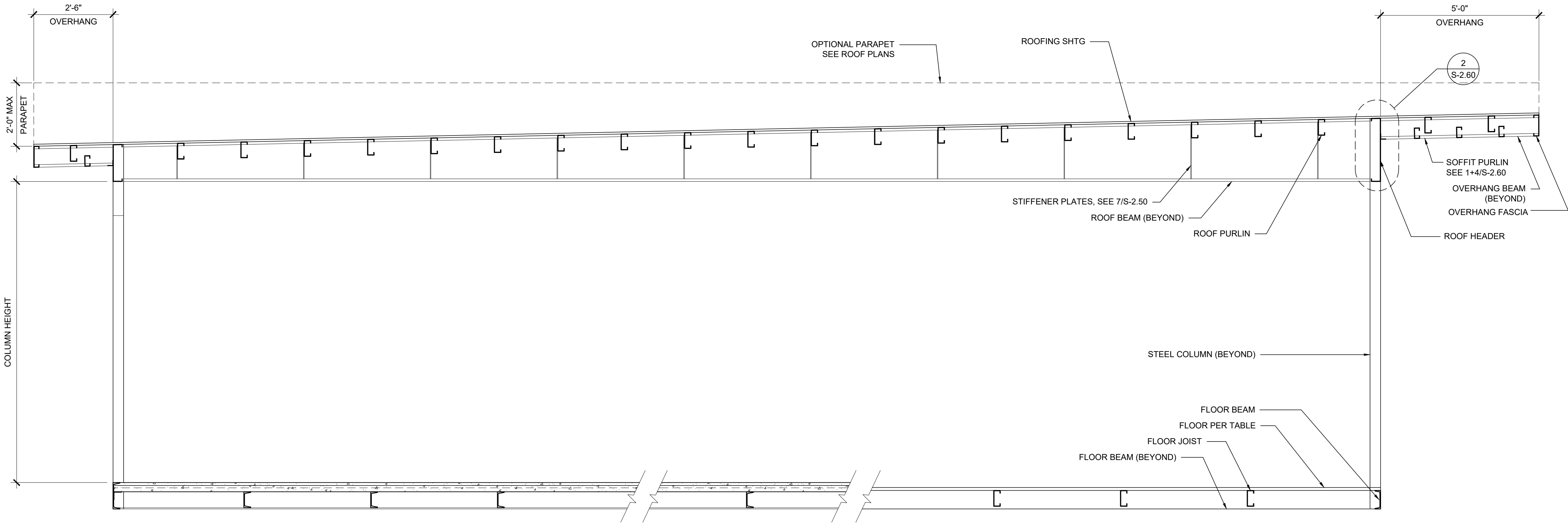
MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

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

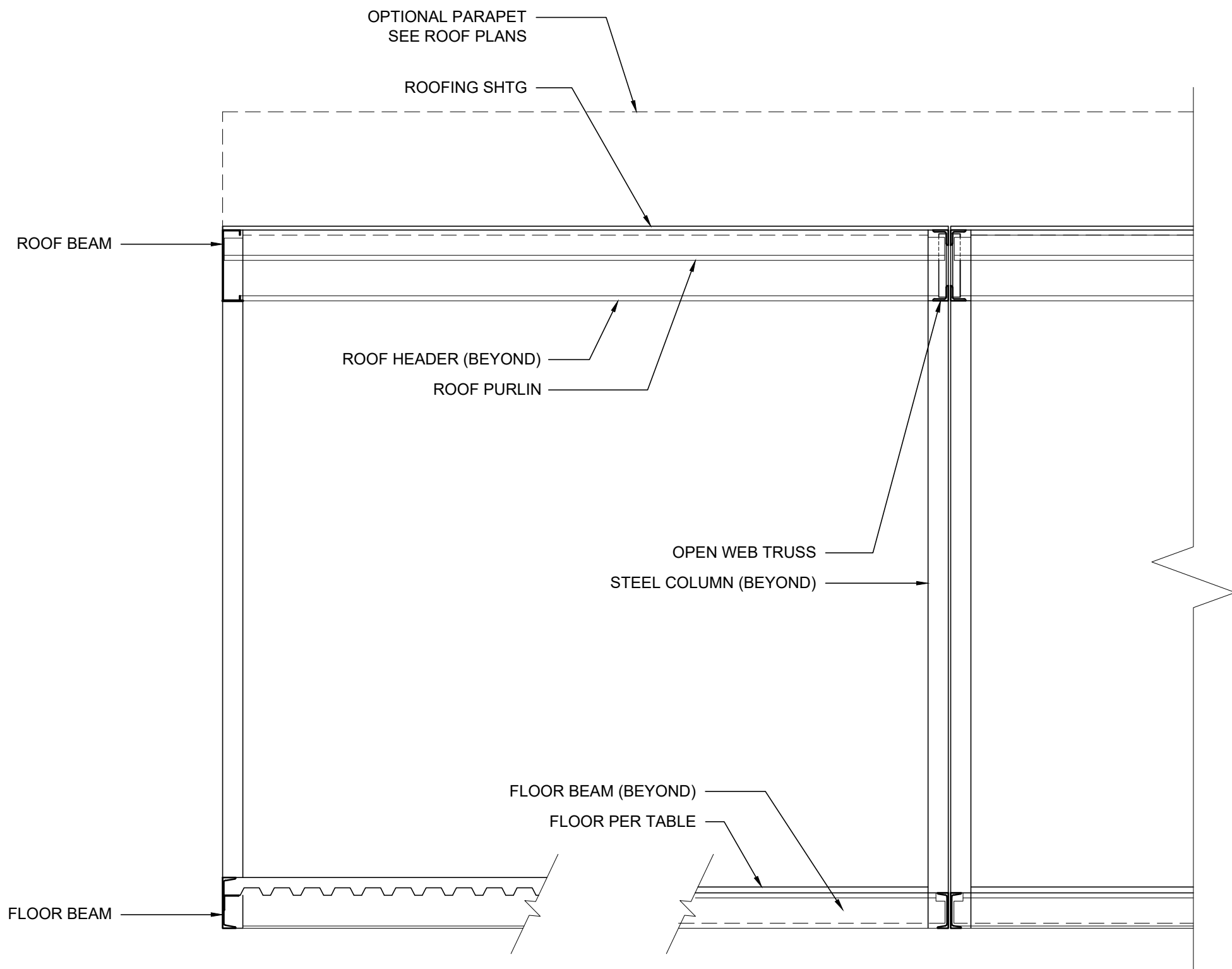
S-2.90



BUILDING SECTION

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

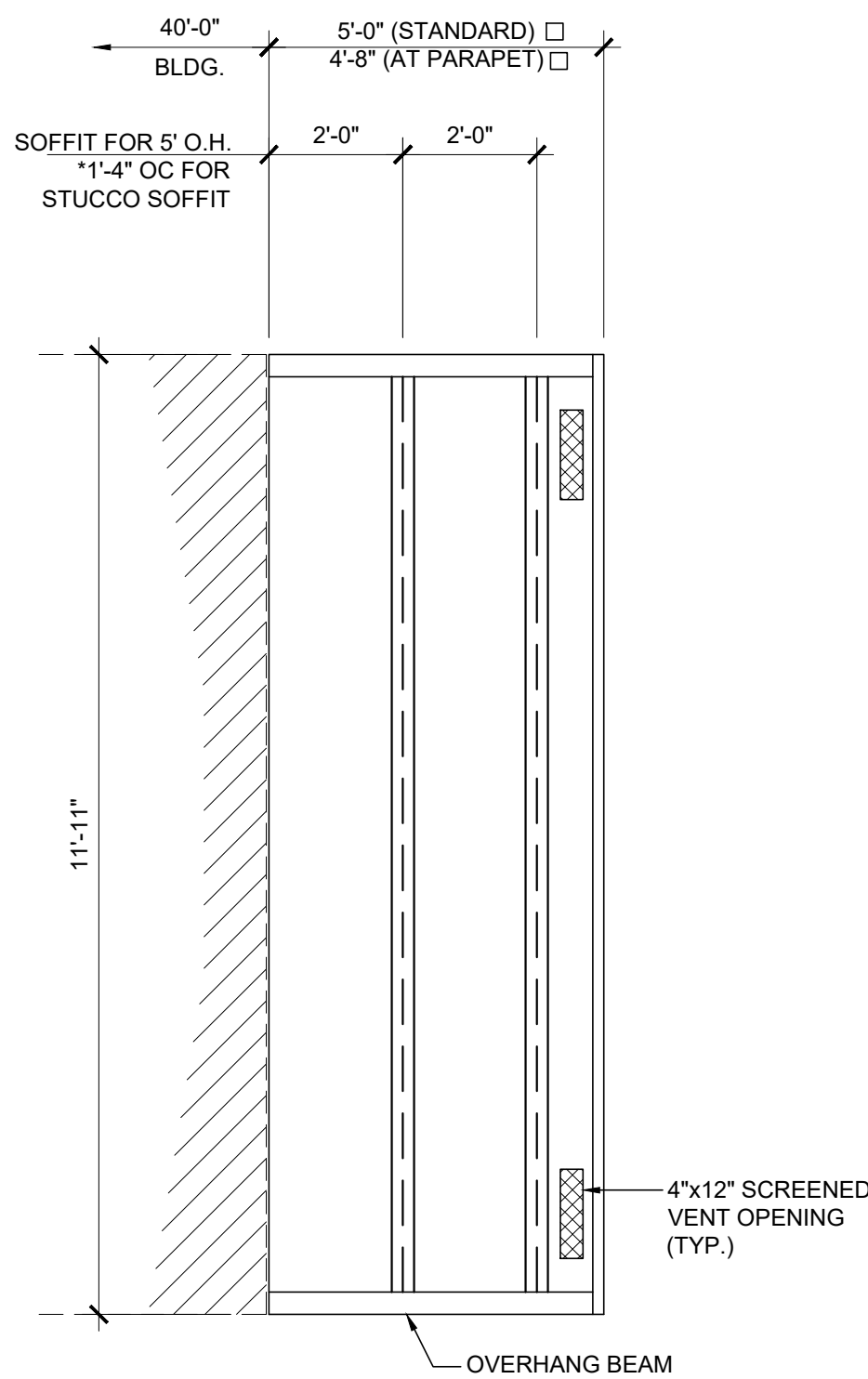
1



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 type="checkbox"/> 9'-0"	<input 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
C10x15.3 TYP. PERIMETER BEAM FOR CONCRETE FLOOR

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

BUILDING SECTIONS
MONO SLOPE

REVISIONS

- 1
2
3
4
5

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

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

PC STATE AGENCY APPROVAL



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

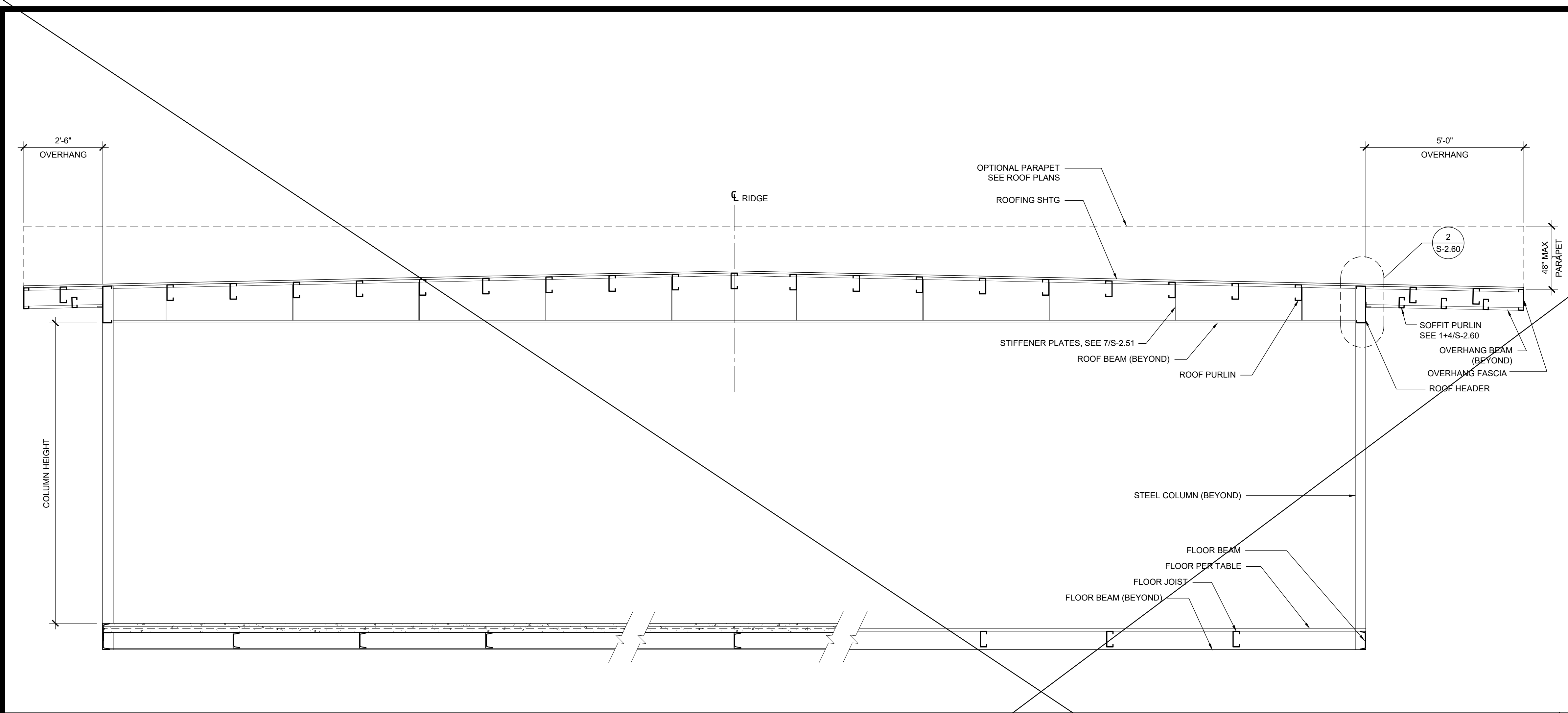
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

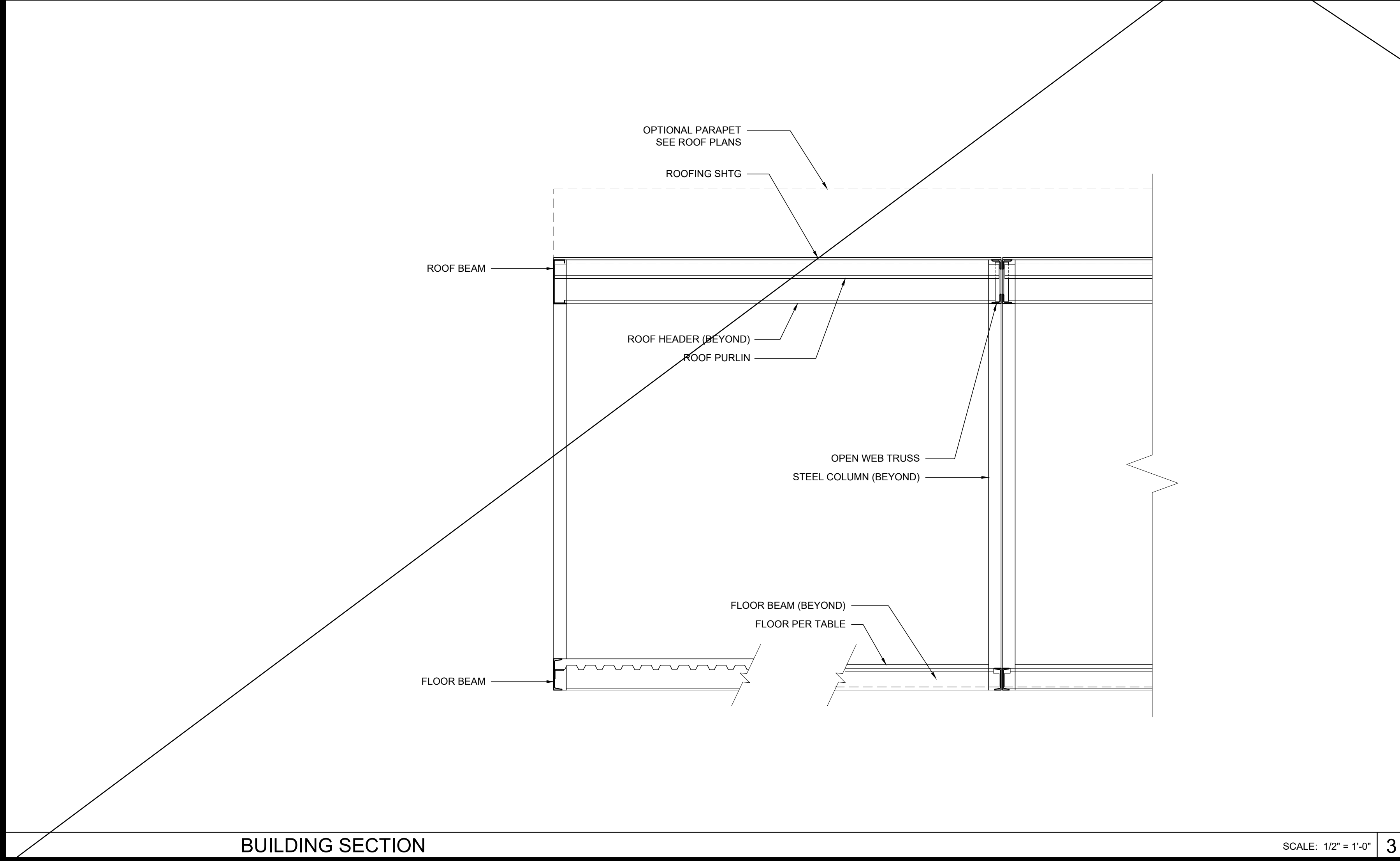
P.C. SHEET NUMBER

S-3.01



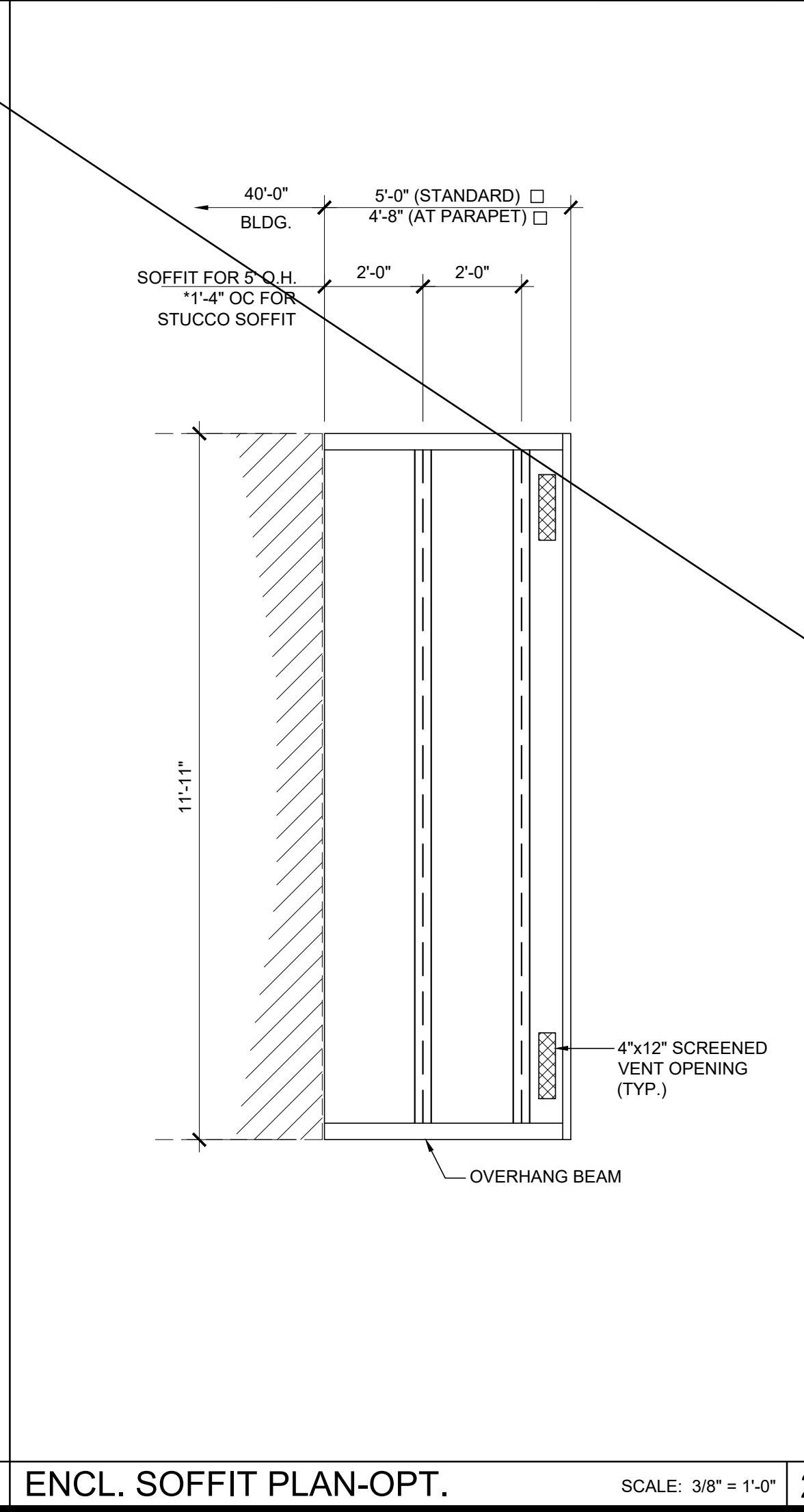
BUILDING SECTION

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

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FLOOR CONSTRUCTION

- ☐ WOOD FLOOR
- ☐ CONCRETE FLOOR

HSS COLUMN SCHEDULE

COLUMN HEIGHT	NO PARAPET	ROOF W/ PARAPET
<input type="checkbox"/> 9'-0"	<input 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
C10x15.3 TYP. PERIMETER BEAM FOR CONCRETE FLOOR

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PROJECT NAME:

SHEET TITLE:

BUILDING SECTIONS
DUAL SLOPE

REVISIONS

1

2

3

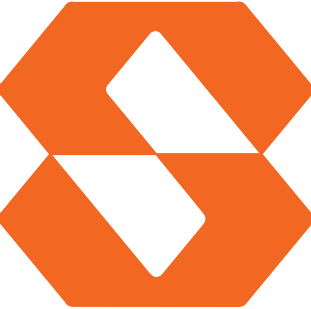
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5

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Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

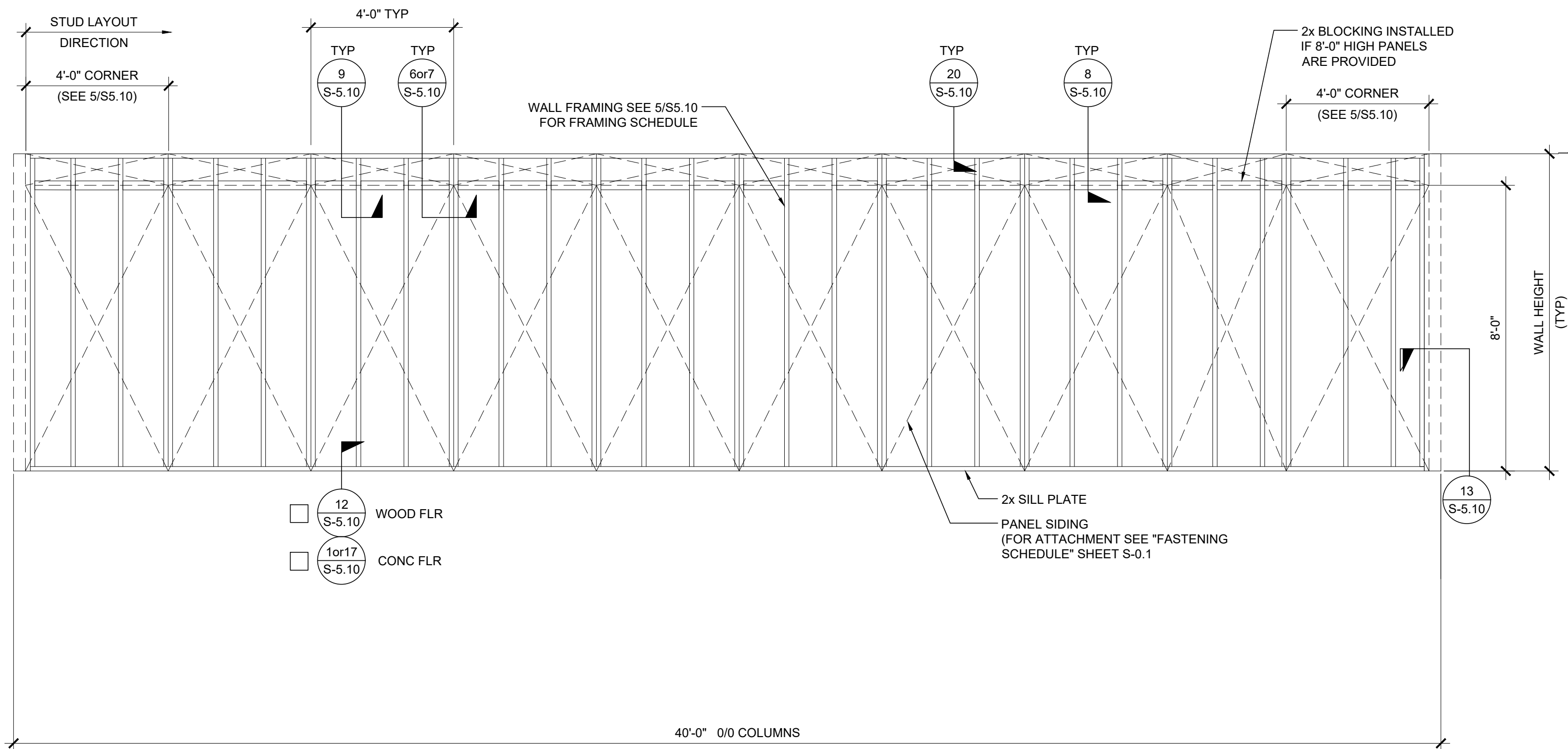
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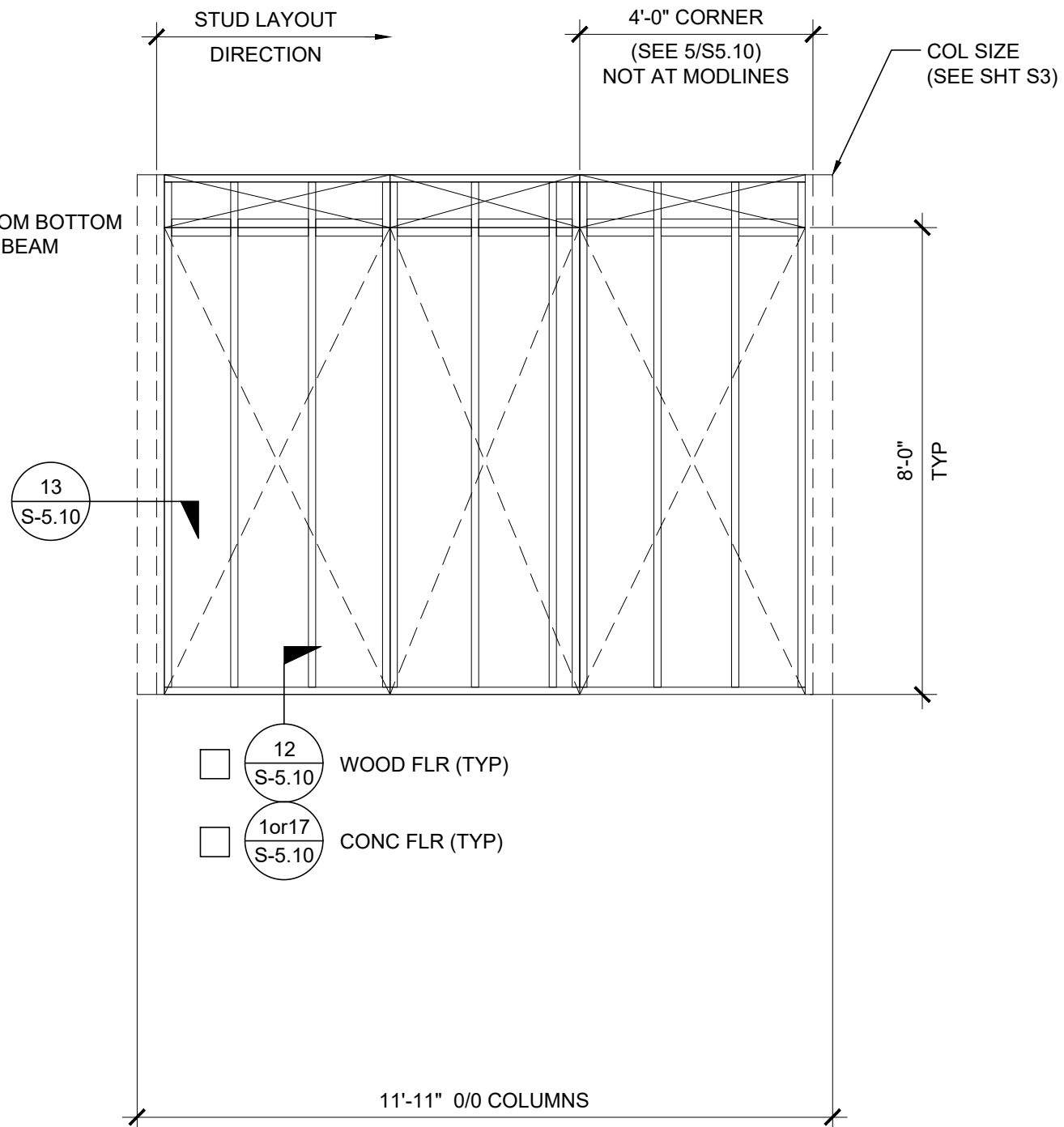
DATE: 02-27-2023

P.C. SHEET NUMBER

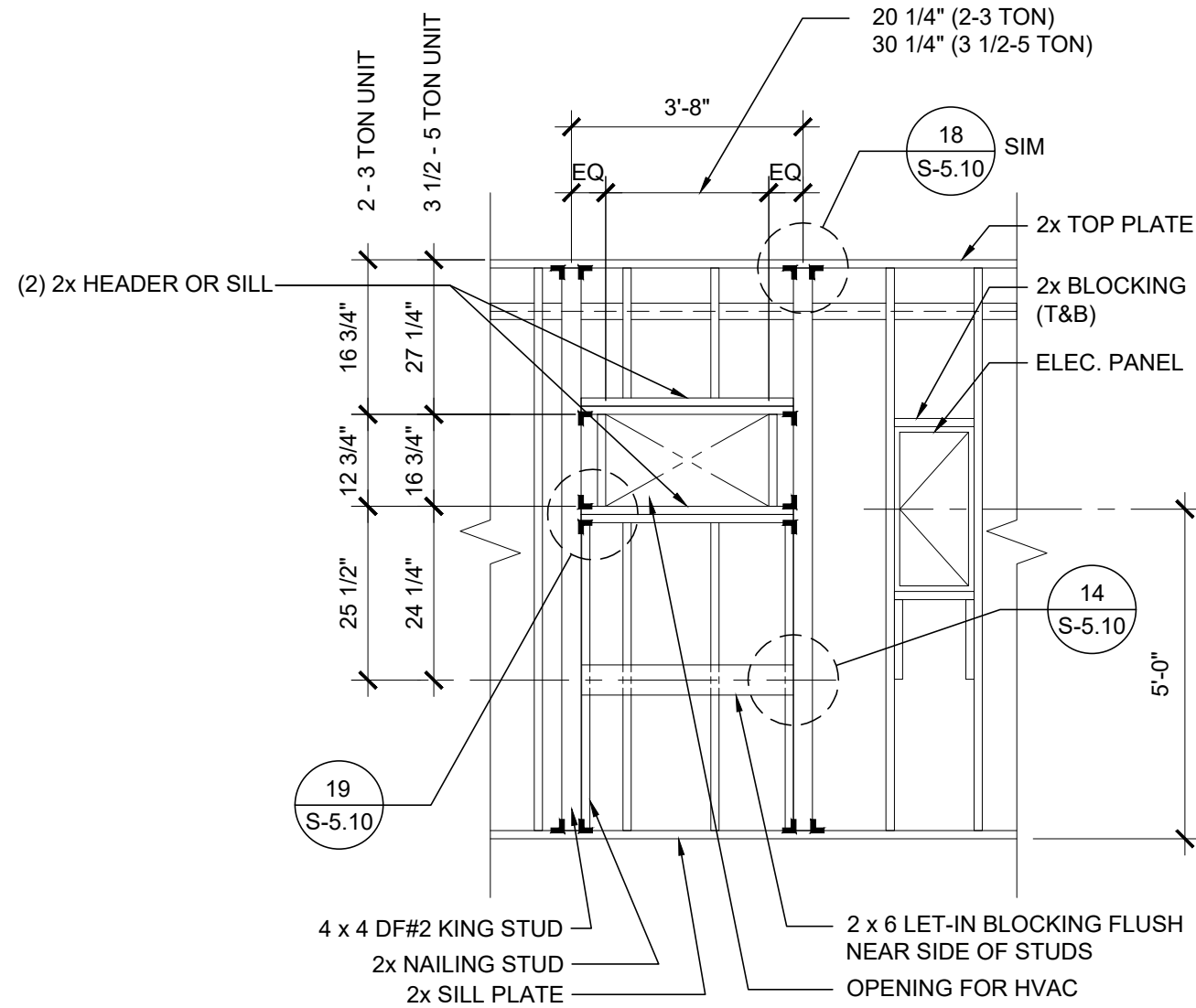
S-3.02



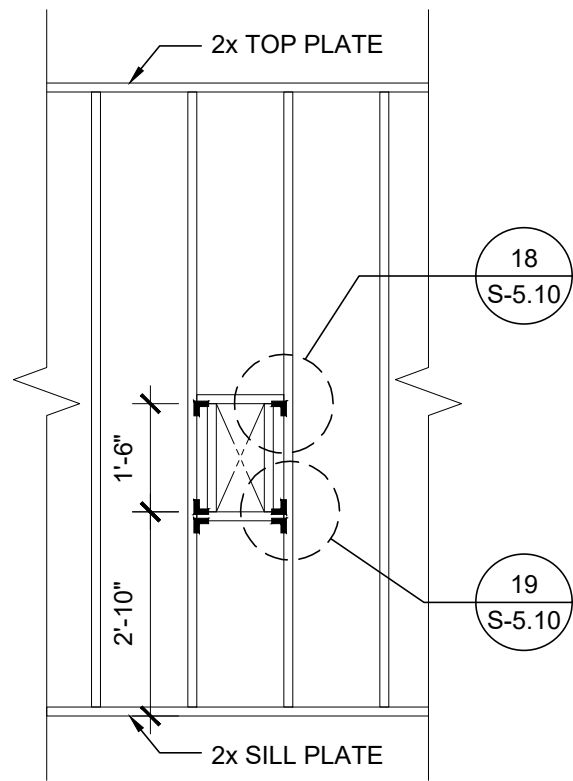
TYPICAL SIDE WALL



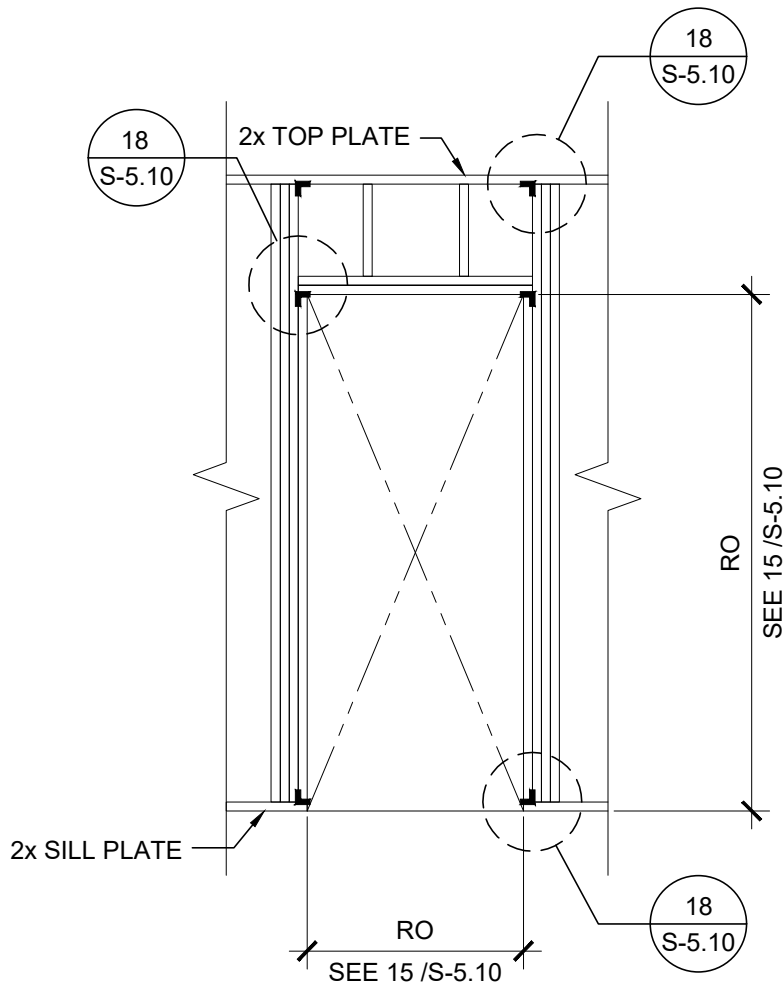
TYPICAL END WALL



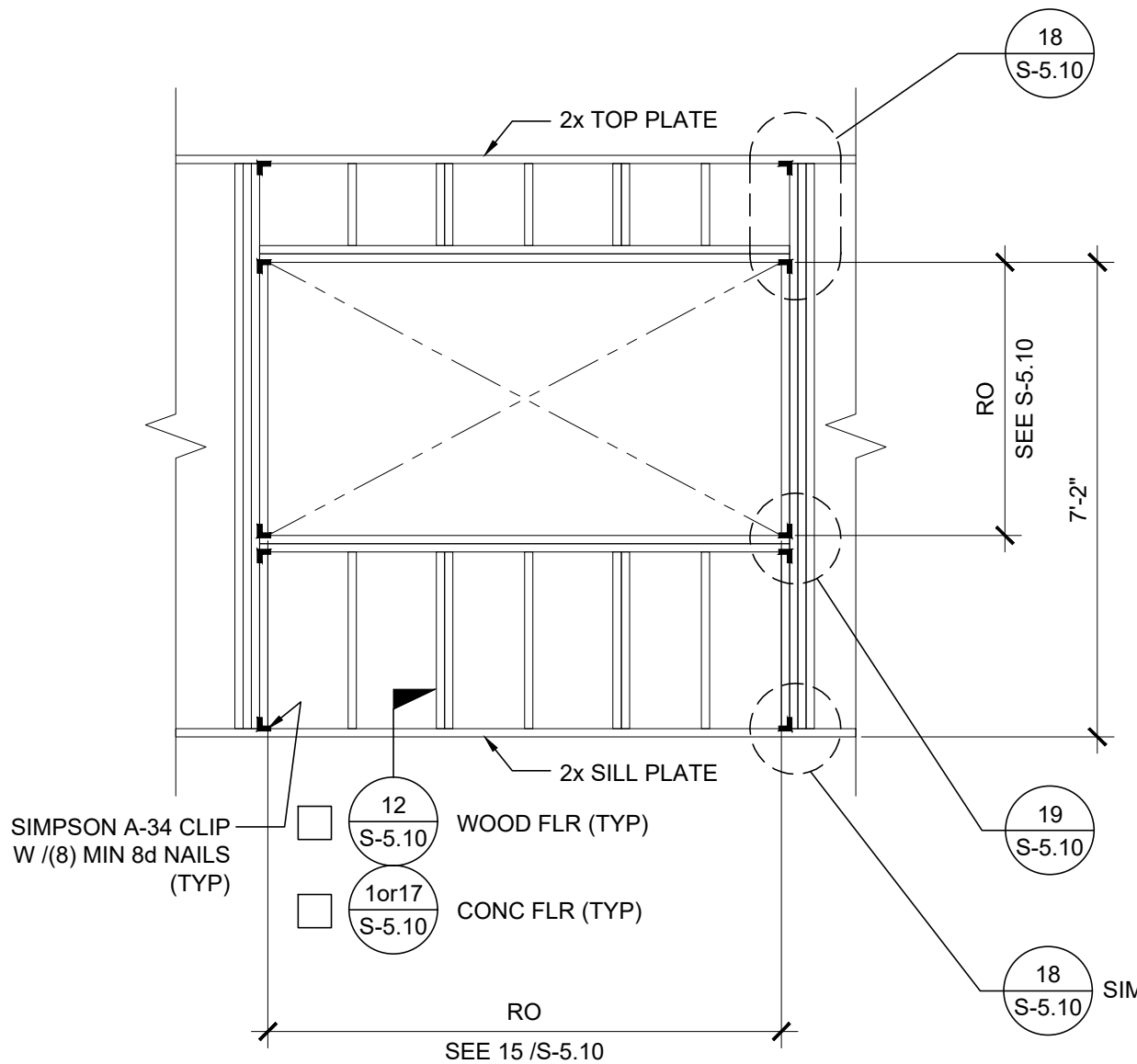
TYPICAL HVAC



FIRE EXTINGUISHER
CABINET BLOCKOUT



TYPICAL DOOR



TYPICAL WINDOW

NOTES

WALL HEIGHT SCHEDULE

COLUMN HEIGHT	9'-0"	9'-6"	10'-0"	10'-6"
CONCRETE FLOOR	8'-11 7/8"	9'-5 7/8"	9'-11 7/8"	10'-5 7/8"
WOOD FLOOR	8'-10 3/4"	9'-4 3/4"	9'-10 3/4"	10'-4 3/4"

NOTE:
ALL EXTERIOR WALL FRAMING SHALL BE 2x6 (MIN).
EXCEPTION: UNCONDITIONED RESTROOM MODULES MAY UTILIZE 2x4 FRAMING.

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

WALL FRAMING
ELEVATIONS
WOOD STUDS

REVISIONS

- 1
- 2
- 3
- 4
- 5

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Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

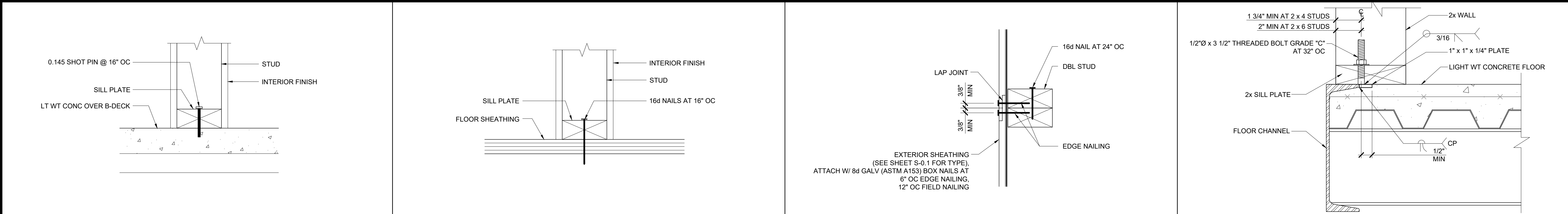
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

S-5.00

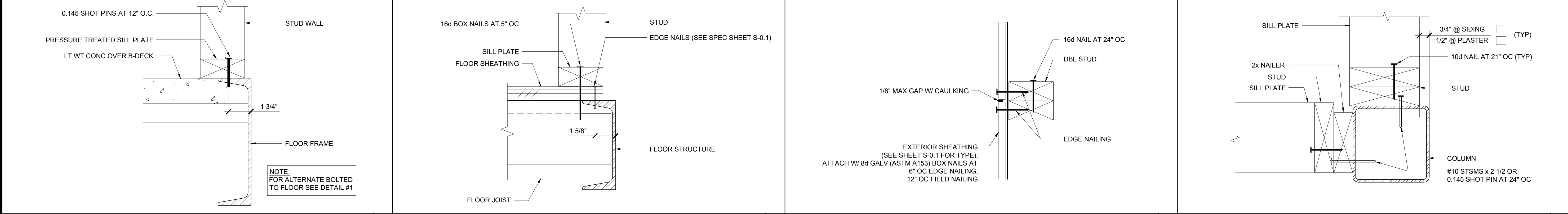


PARTITION CONNECTION AT CONC FLOOR SCALE : 3"=1'-0" 16

PARTITION CONNECTION AT WOOD FLOOR SCALE : 3"=1'-0" 11

VERTICAL SHEATHING LAP JOINT SCALE : 3"=1'-0" 6

OPTIONAL BOLTED WALL TO FLOOR SCALE : NTS 1

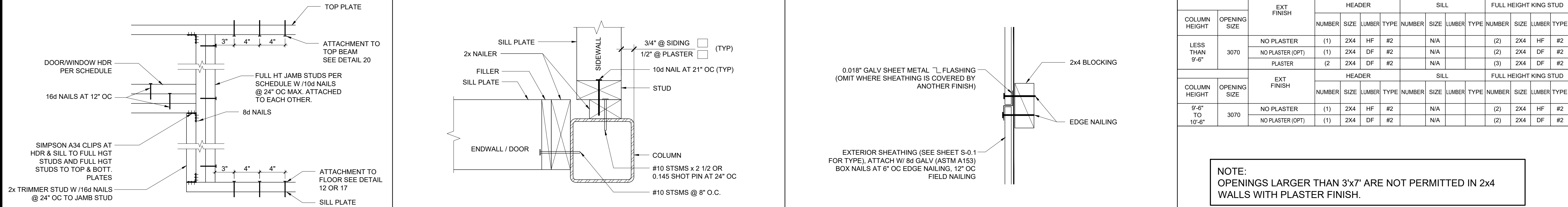


WALL SILL AT CONCRETE FLOOR SCALE : 3"=1'-0" 17

WALL SILL AT WOOD FLOOR SCALE : 3"=1'-0" 12

VERTICAL SHEATHING BUTT JOINT SCALE : 3"=1'-0" 7

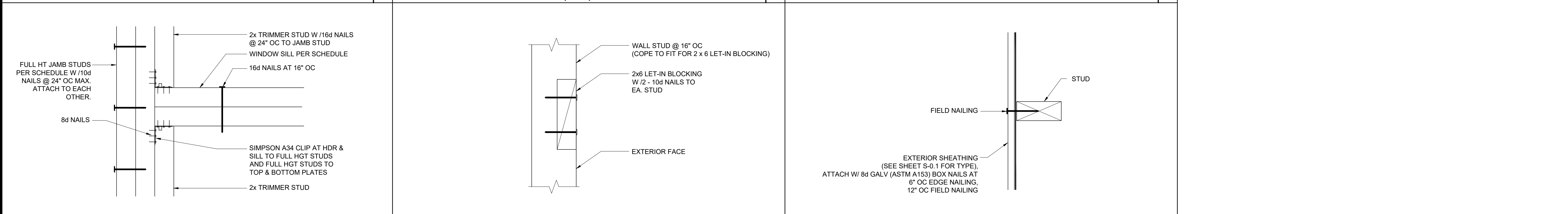
COLUMN AT ENDWALL (2x6) SCALE : 3"=1'-0" 2



DOOR/WINDOW HEADER AND JAMB SCALE : 1 1/2"=1'-0" 18

COLUMN AT ENDWALL (2x4) SCALE : 3"=1'-0" 13

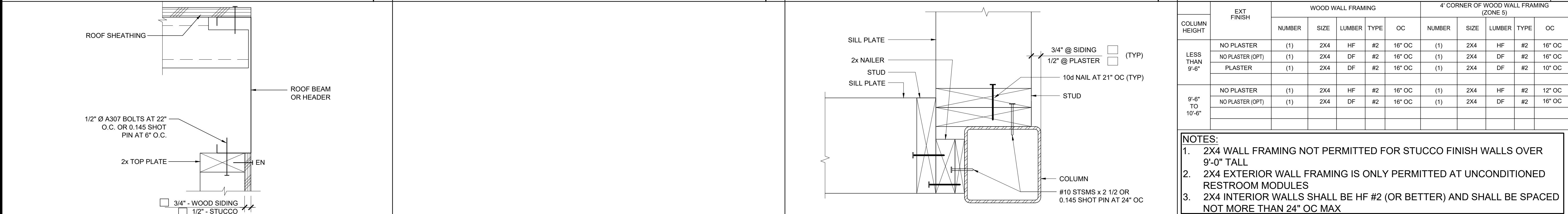
HORIZONTAL SHEATHING JOINT SCALE : 3"=1'-0" 8



WINDOW SILL AND JAMB SCALE : 3"=1'-0" 19

LET-IN BLOCK ATTACHMENT SCALE : 3"=1'-0" 14

SECTION AT SHEATHING TO STUD ATTACHMENT SCALE : 3"=1'-0" 9



TOP PLATE AT ROOF BEAM SCALE : 3"=1'-0" 20

NOT USED 15

COLUMN AT ENDWALL (2x8) SCALE : 3"=1'-0" 10

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PROJECT NAME:

SHEET TITLE:

WALL FRAMING DETAILS

WOOD STUDS

REVISIONS

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

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES

24' x 40' PC

PROJECT NO:

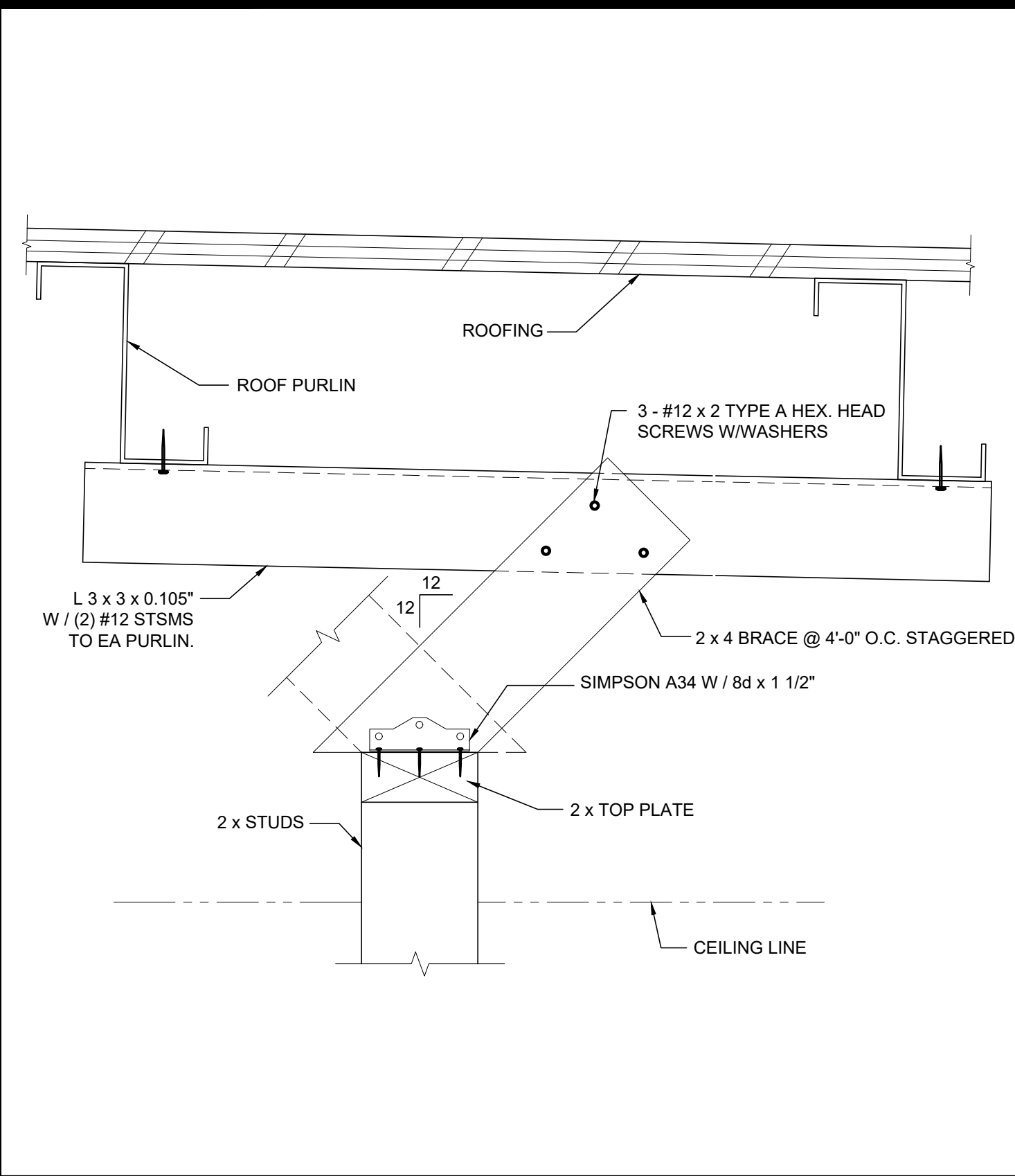
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

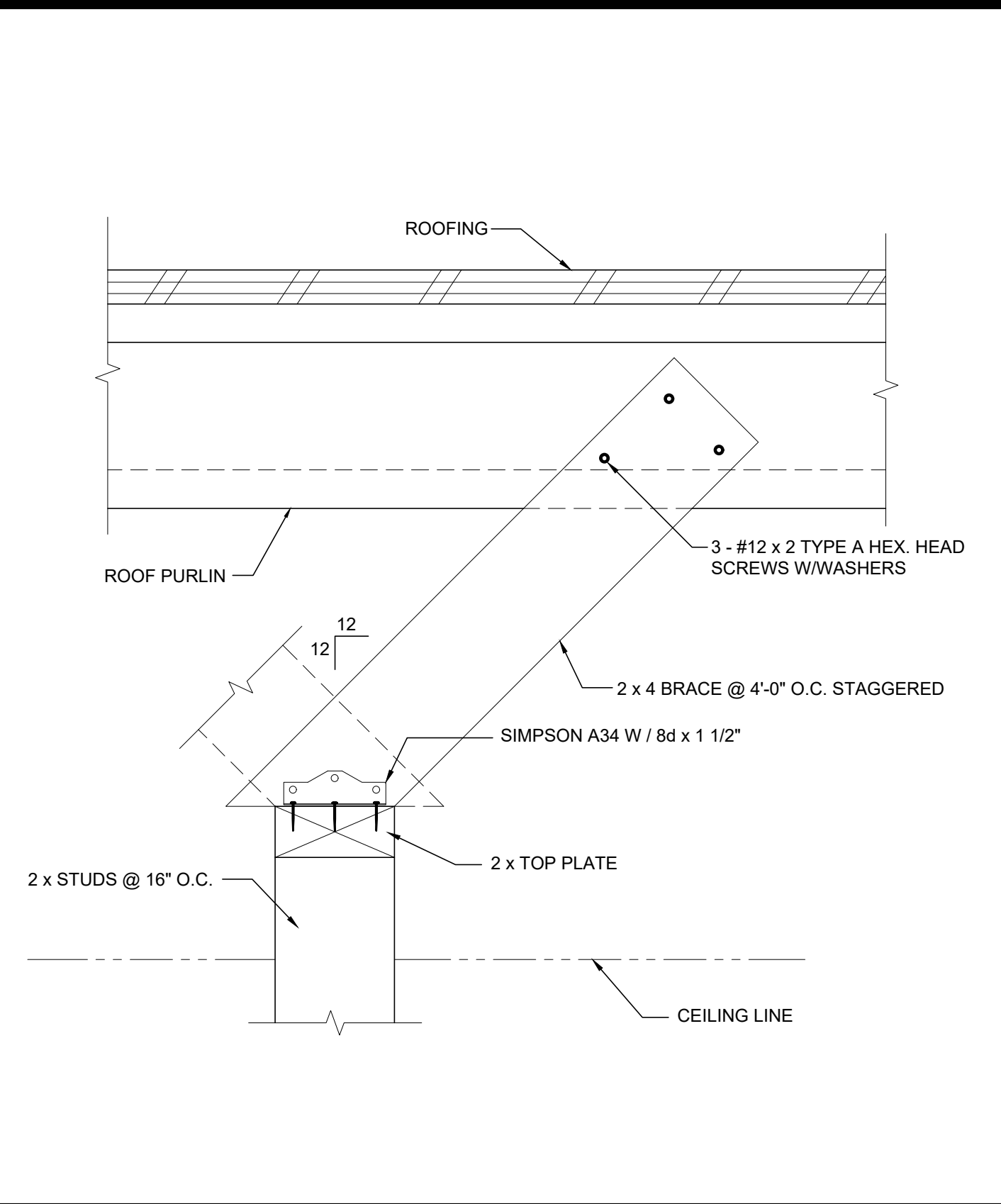
S-5.10



INTERIOR PARTITION

SCALE : 3" = 1'-0"

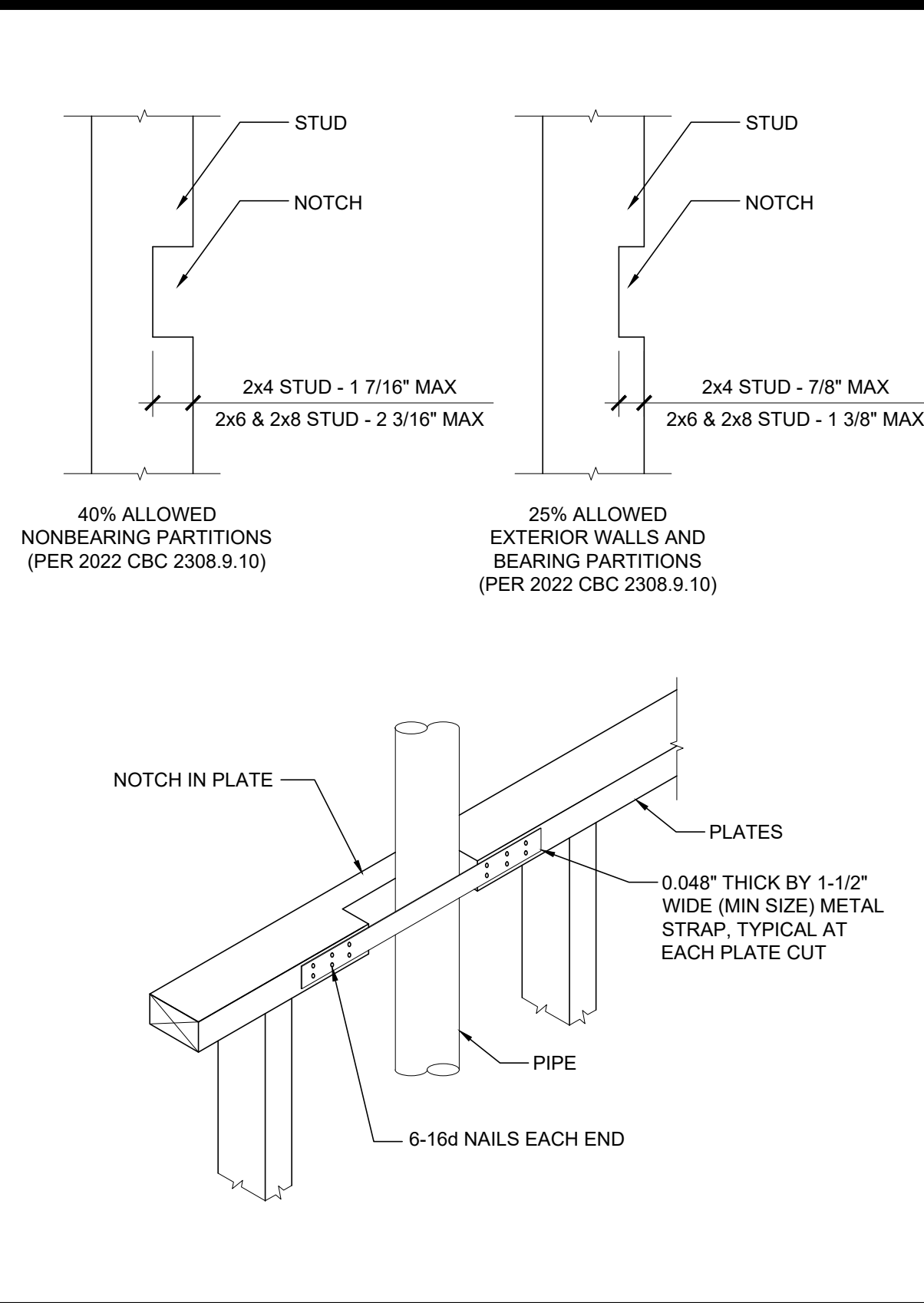
14



INTERIOR PARTITION

SCALE : 3" = 1'-0"

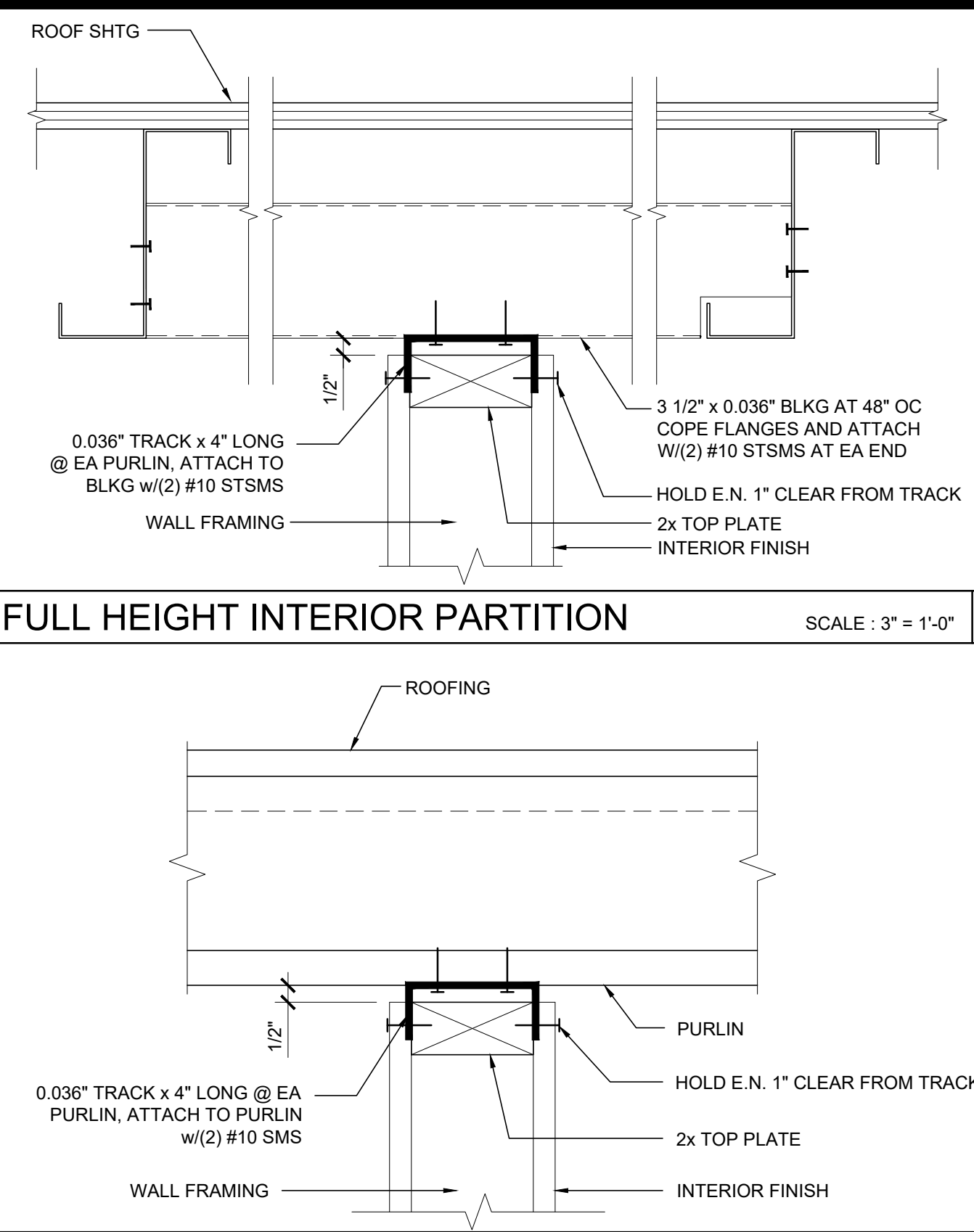
12



CUTTING AND NOTCHING

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

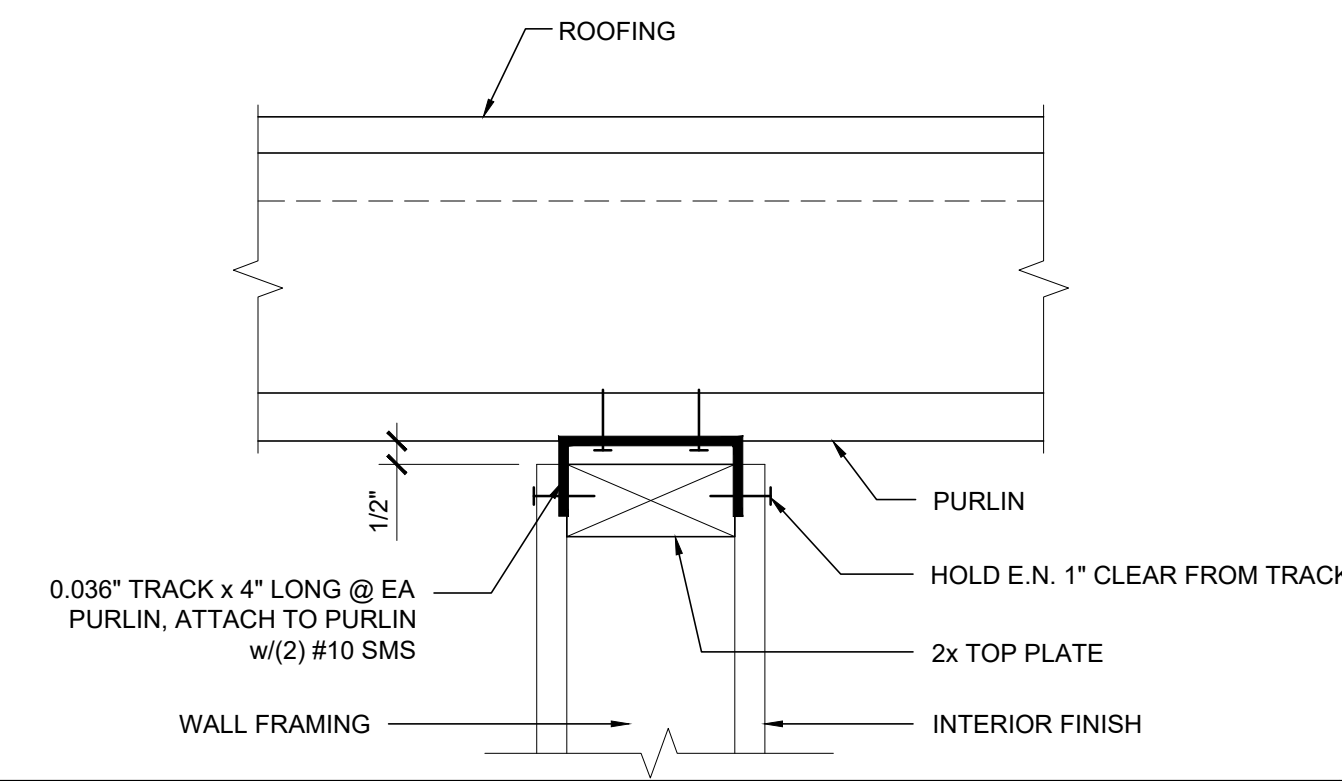
7



FULL HEIGHT INTERIOR PARTITION

SCALE : 3" = 1'-0"

1



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	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
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

2x6 OPENING STUDS SCHEDULE

19

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING					4' CORNER OF WOOD WALL FRAMING (ZONE 5)				
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC
UP TO 10'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
	W/ PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC

NOTE:
1. INTERIOR WALLS MAY BE 2x6 HF #2 (OR BETTER) SPACED AT NOT MORE THAN 24" OC.

2x6 WALL FRAMING SCHEDULE

20

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
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

2x8 OPENING STUDS SCHEDULE

14

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING					4' CORNER OF WOOD WALL FRAMING (ZONE 5)				
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC
UP TO 10'-6"	NO PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC

NOTES:
1. EXTERIOR STUD SPACING SHOWN IN THE TABLE ABOVE IS TYPICAL. HOWEVER, 2x8 STUDS (HF #2 OR BETTER) MAY BE SPACED AT NOT MORE THAN 24" OC.
2. INTERIOR WALLS MAY BE 2x6 HF #2 (OR BETTER) SPACED AT NOT MORE THAN 24" OC.

2x8 WALL FRAMING SCHEDULE

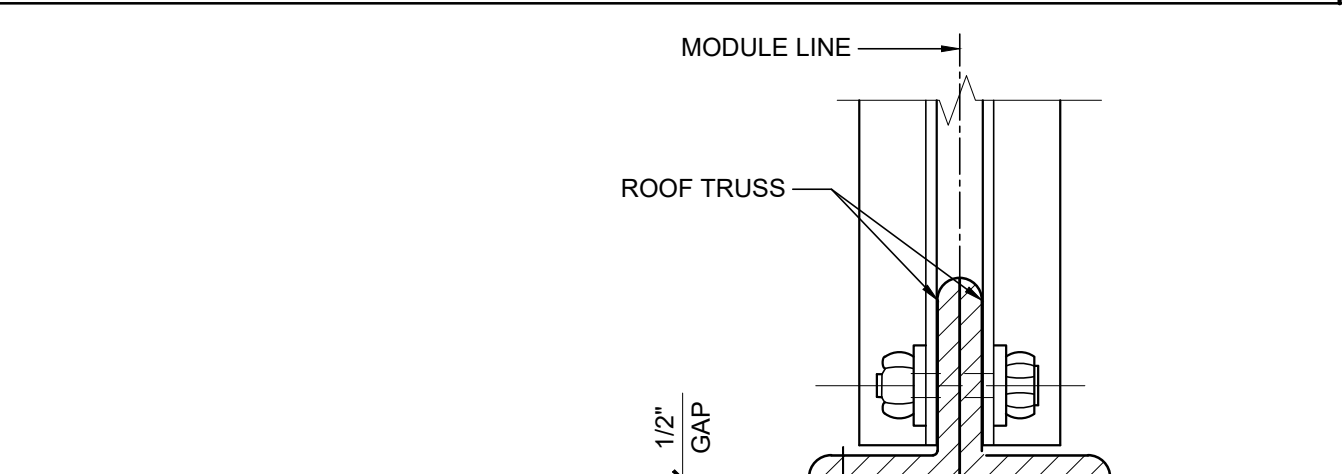
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NOT USED

9

NOT USED

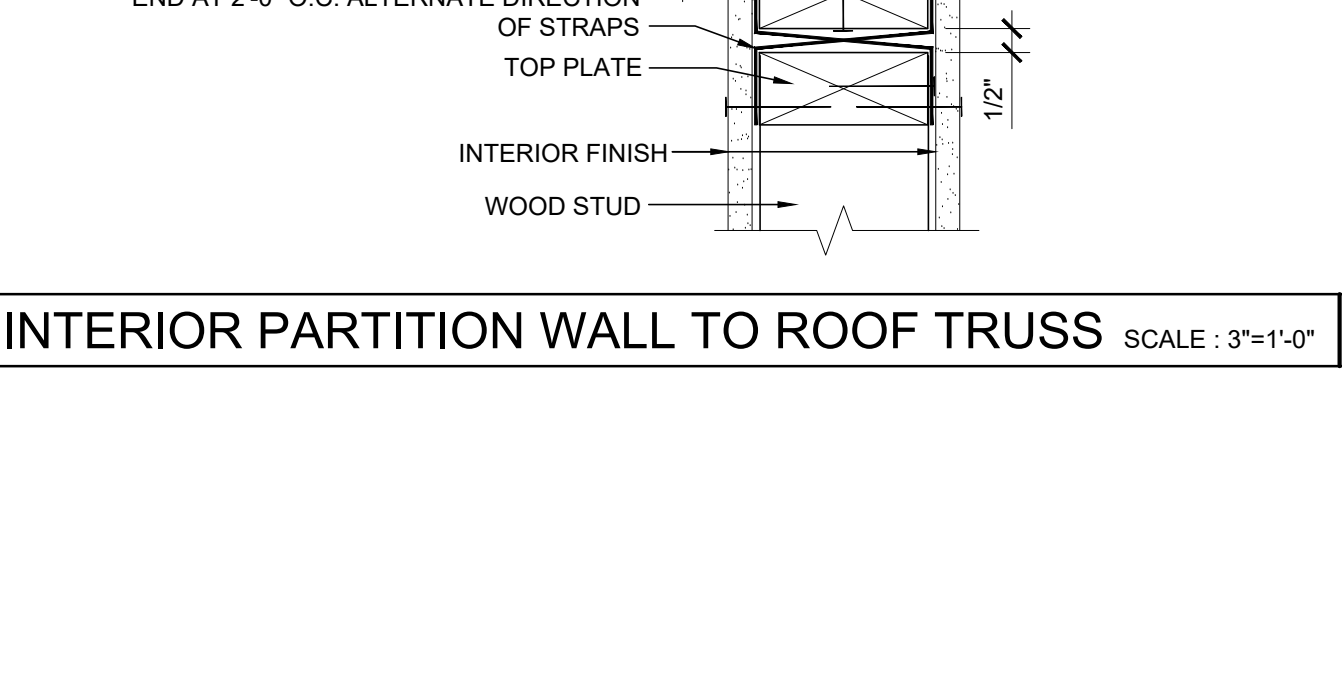
10



INTERIOR PARTITION WALL TO ROOF BEAM

SCALE : 3"=1'-0"

3



INTERIOR PARTITION WALL TO ROOF TRUSS

SCALE : 3"=1'-0"

4

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

WALL FRAMING DETAILS
WOOD STUDS

REVISIONS

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:

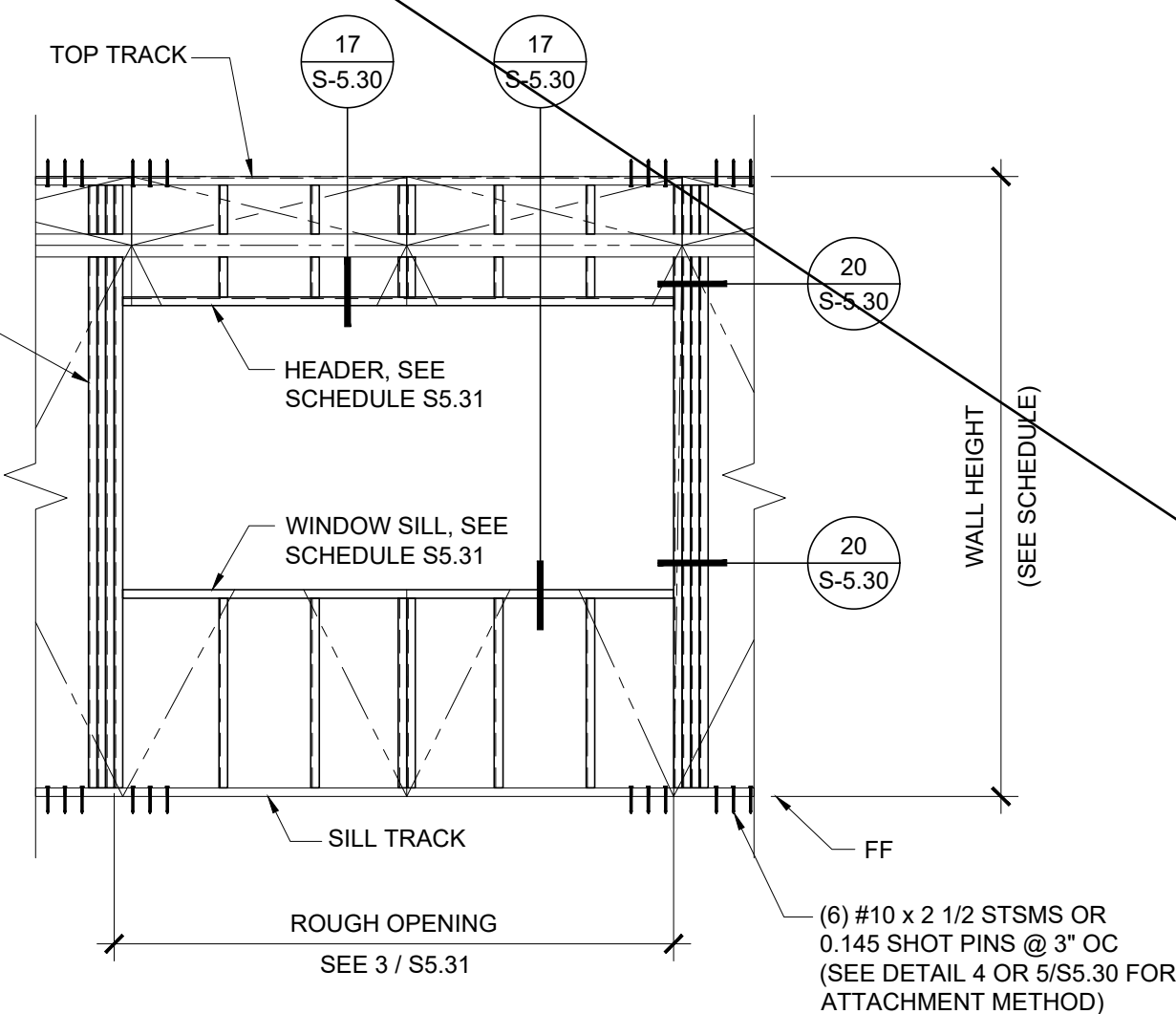
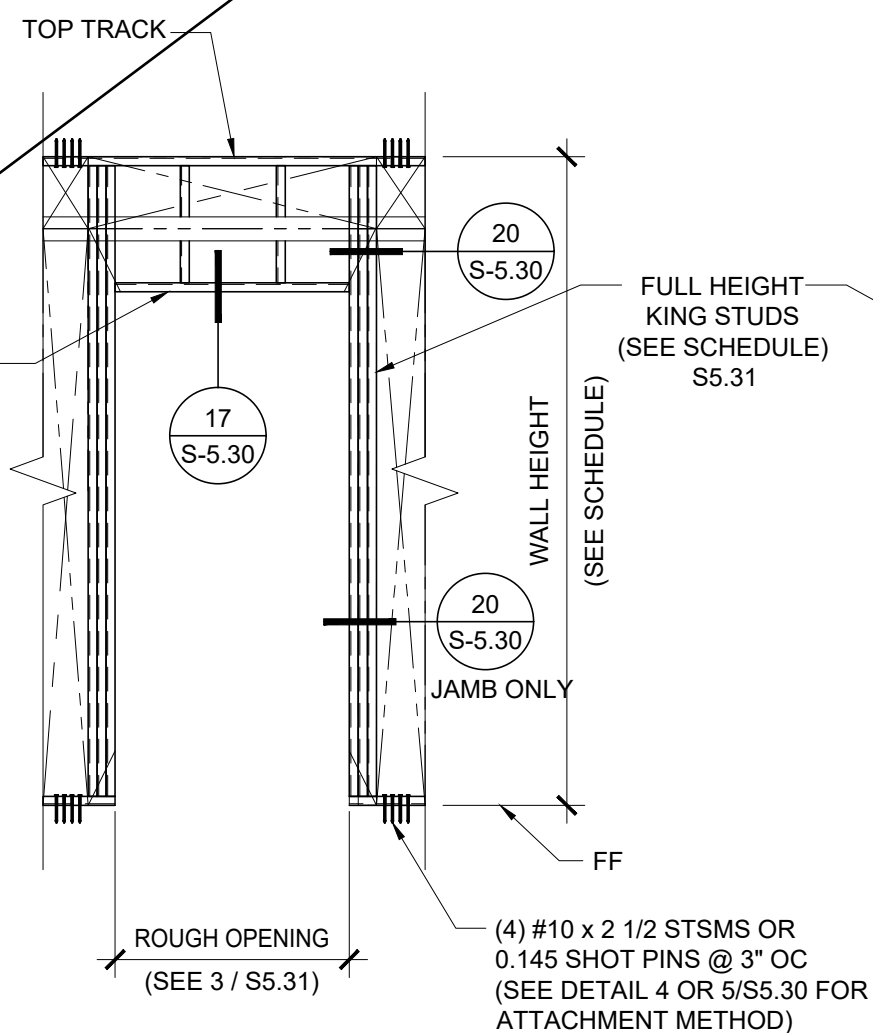
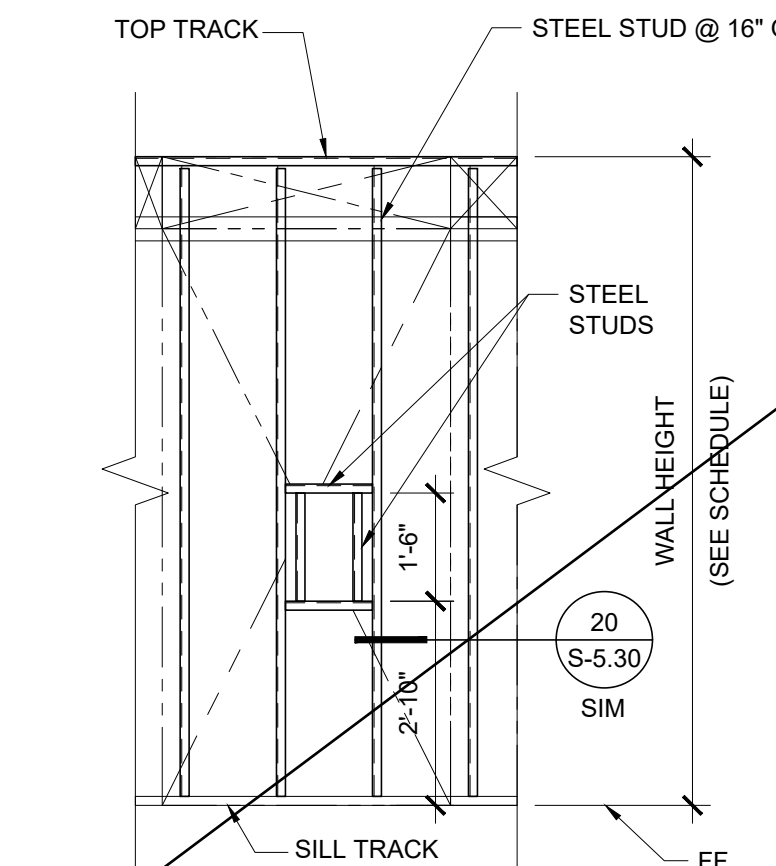
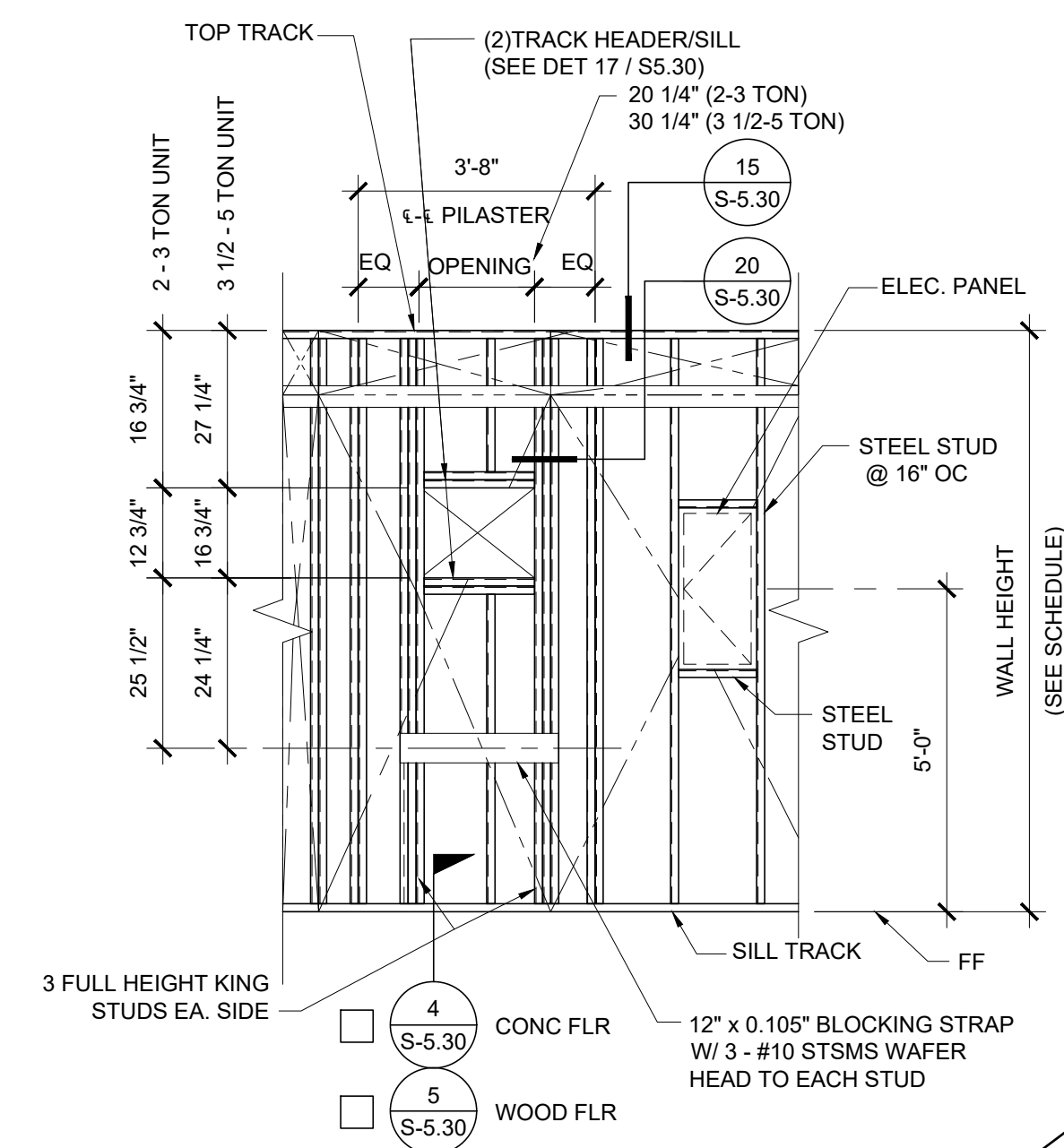
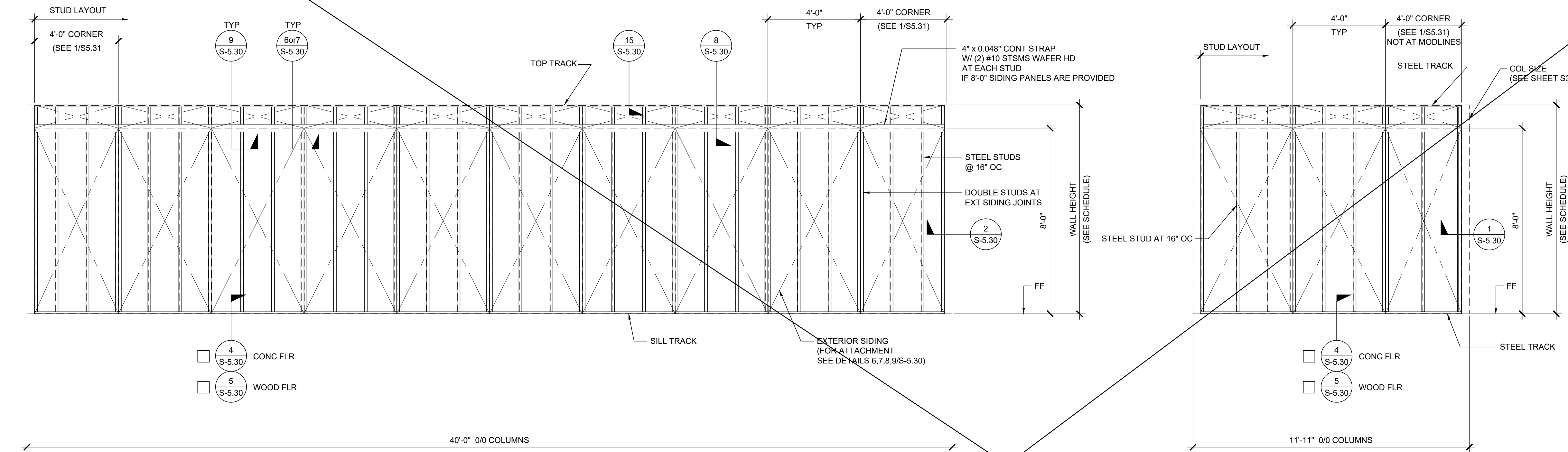
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

S-5.11



NOTES

- ALL STEEL SECTION STUDS CONFORM TO ASTM A446 GALVANIZED SHEETS HAVE BASE METAL THICKNESS AS INDICATED WITH COATING PER ASTM A525. (REFER TO DETAIL 18/S-5.30 FOR PROPERTIES)
- FOR TRACK SPLICE DETAIL, SEE 19/S-5.30

WALL HEIGHT SCHEDULE

COLUMN HEIGHT	9'-0"	9'-6"	10'-0"	10'-6"
CONCRETE FLOOR	8'-11 7/8"	9'-5 7/8"	9'-11 7/8"	10'-5 7/8"
WOOD FLOOR	8'-10 3/4"	9'-4 3/4"	9'-10 3/4"	10'-4 3/4"

NOTE:
ALL EXTERIOR WALL FRAMING SHALL BE 5.5" (MIN).
EXCEPTION: UNCONDITIONED RESTROOM MODULES MAY UTILIZE 3.5" FRAMING.

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PROJECT NAME:

SHEET TITLE:

WALL FRAMING ELEVATIONS STEEL STUDS

REVISIONS

1	
2	
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5	

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SILVER CREEK INDUSTRIES
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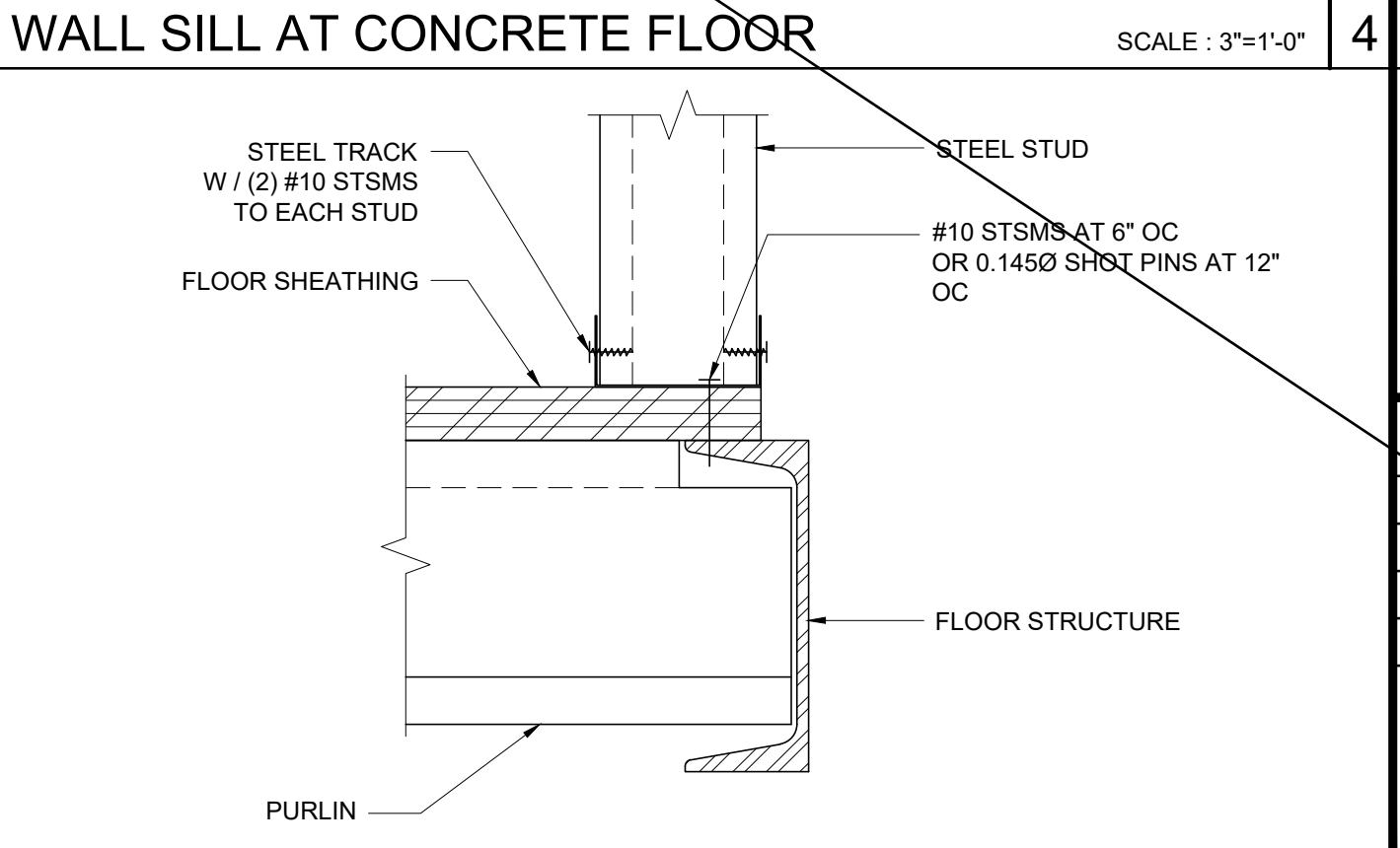
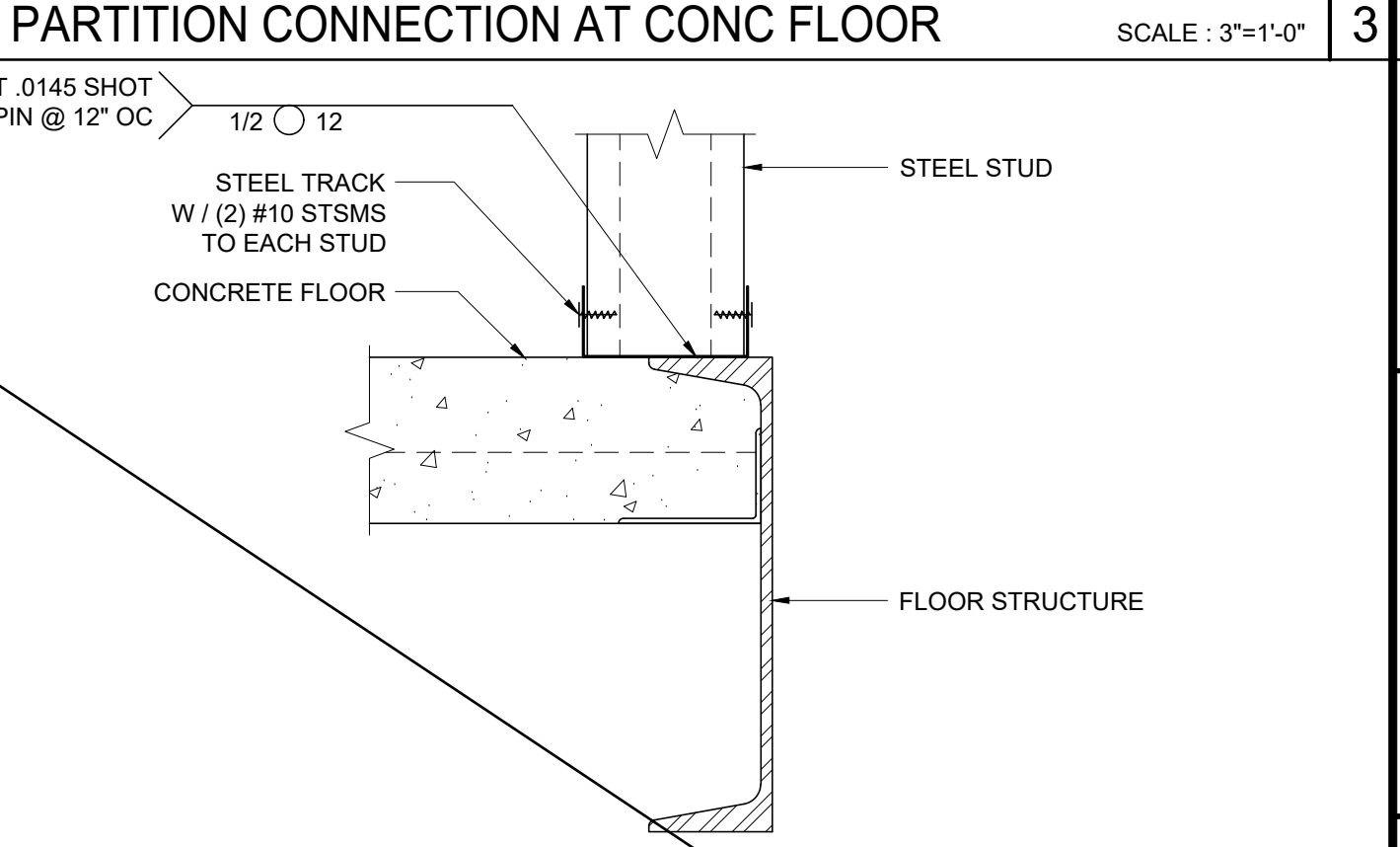
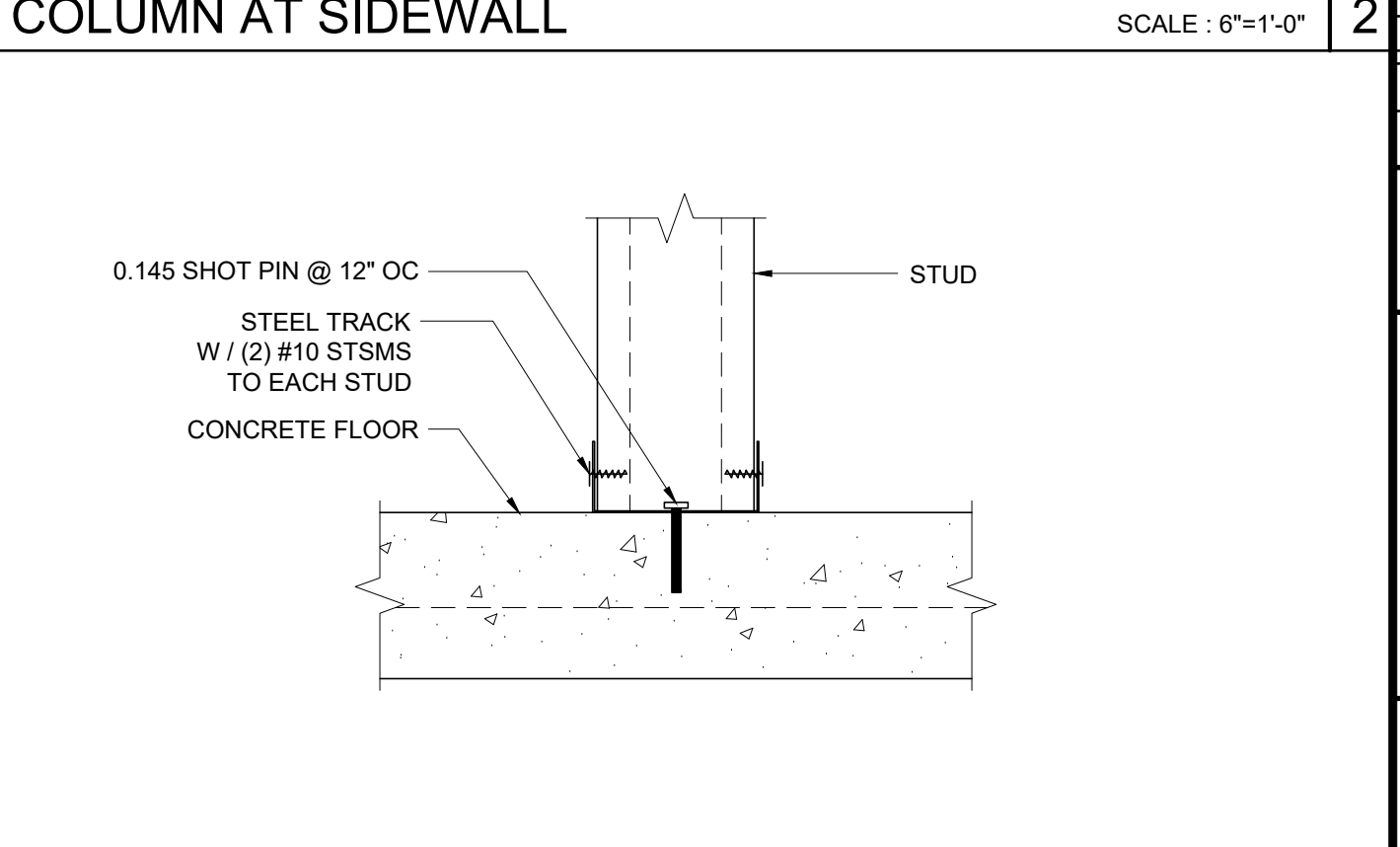
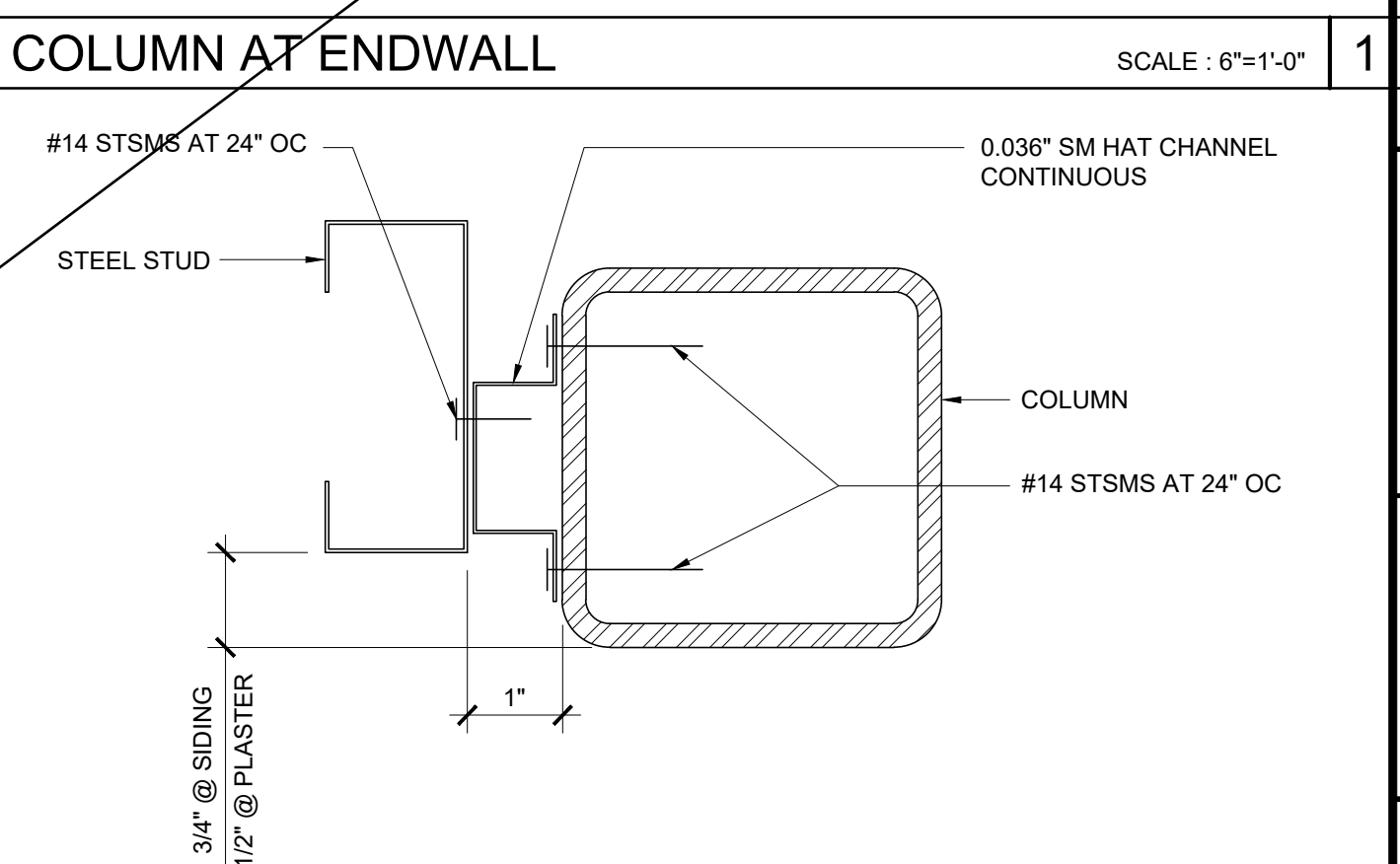
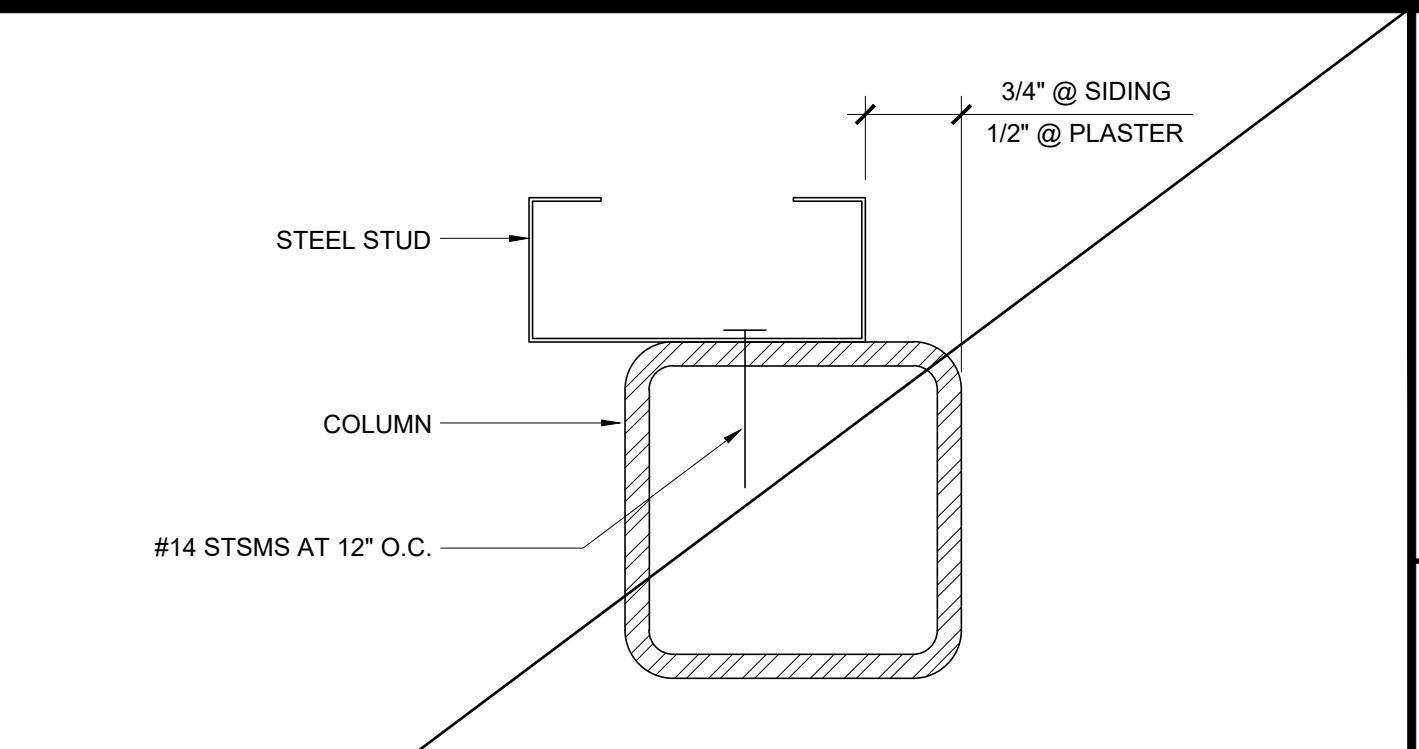
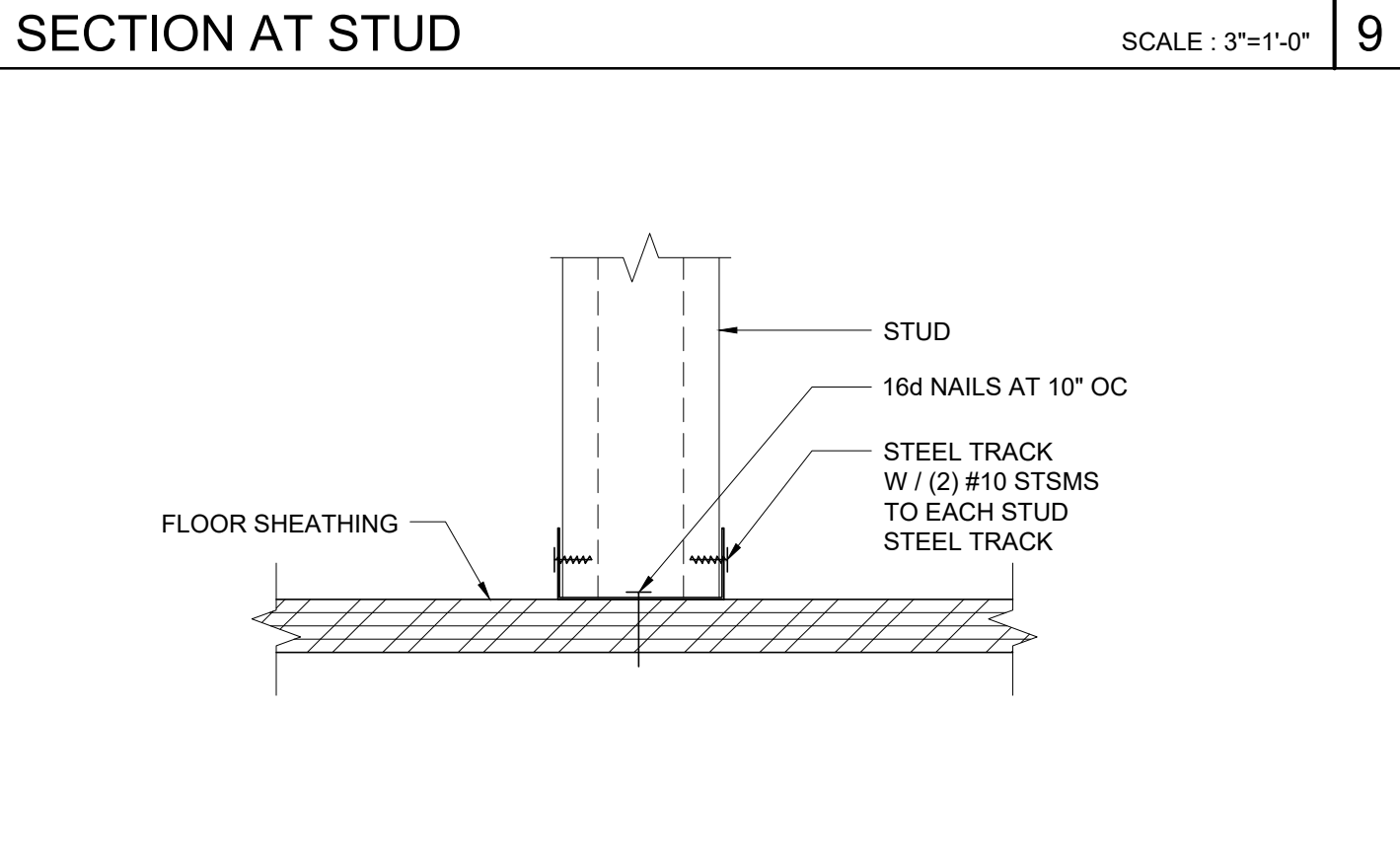
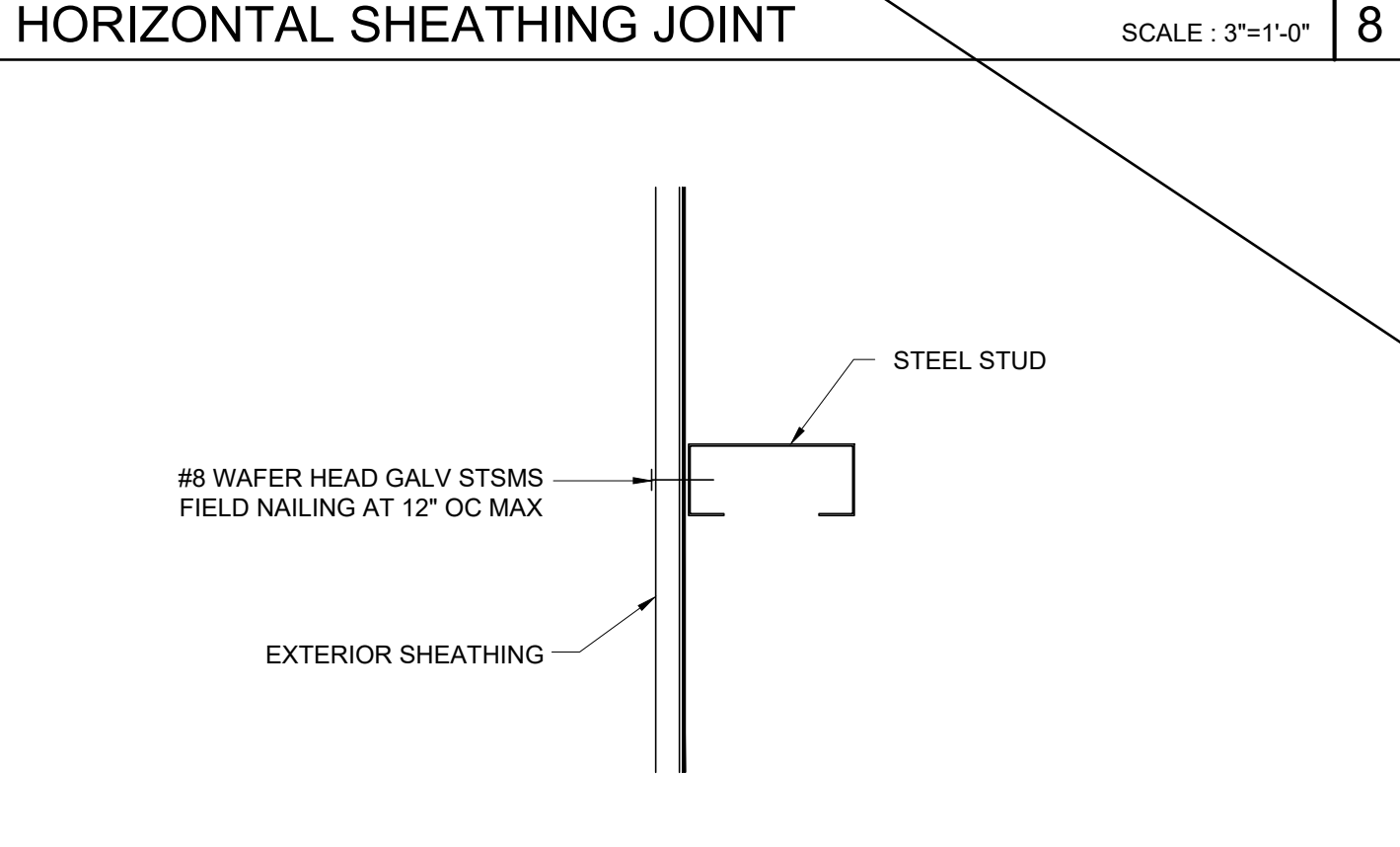
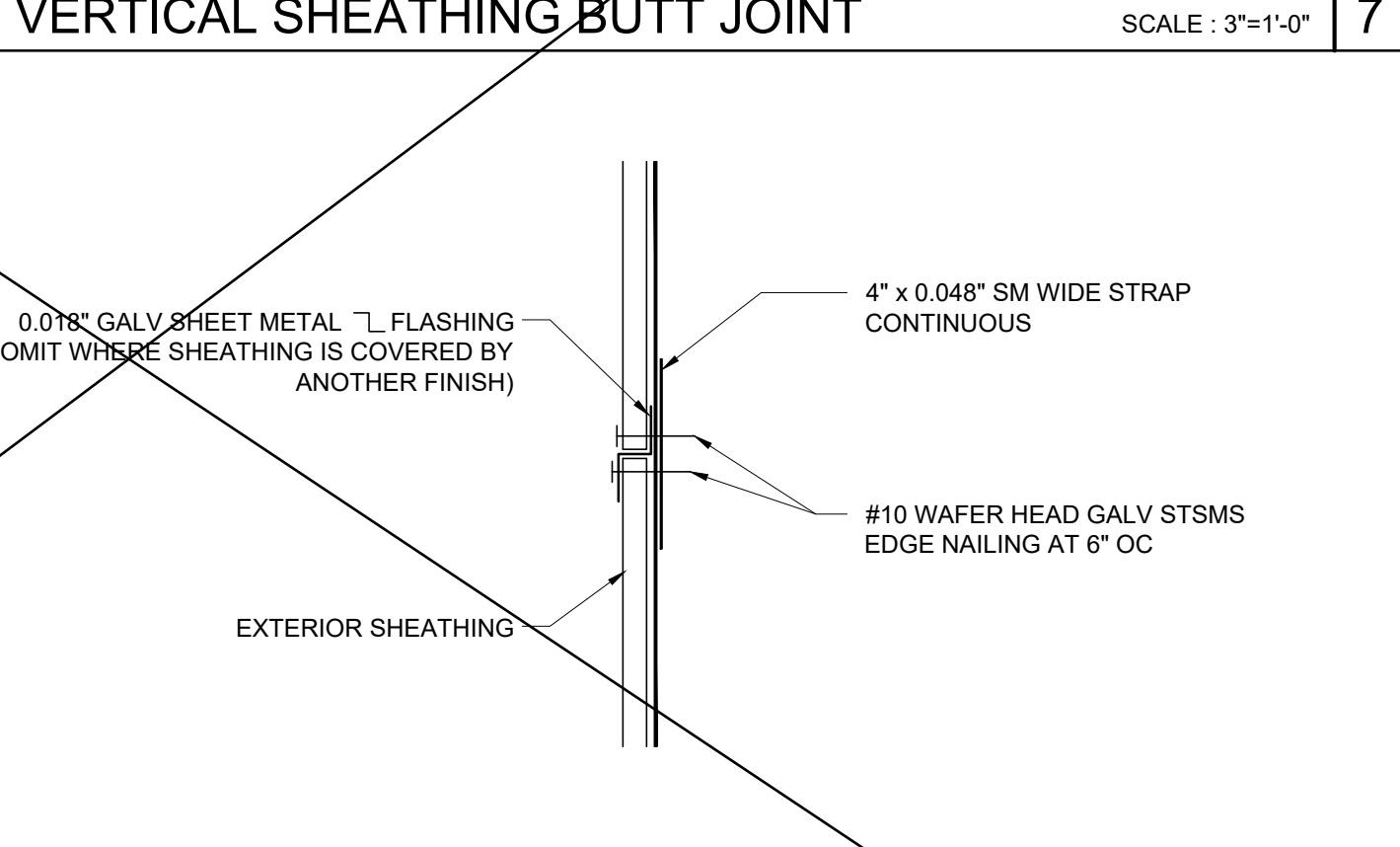
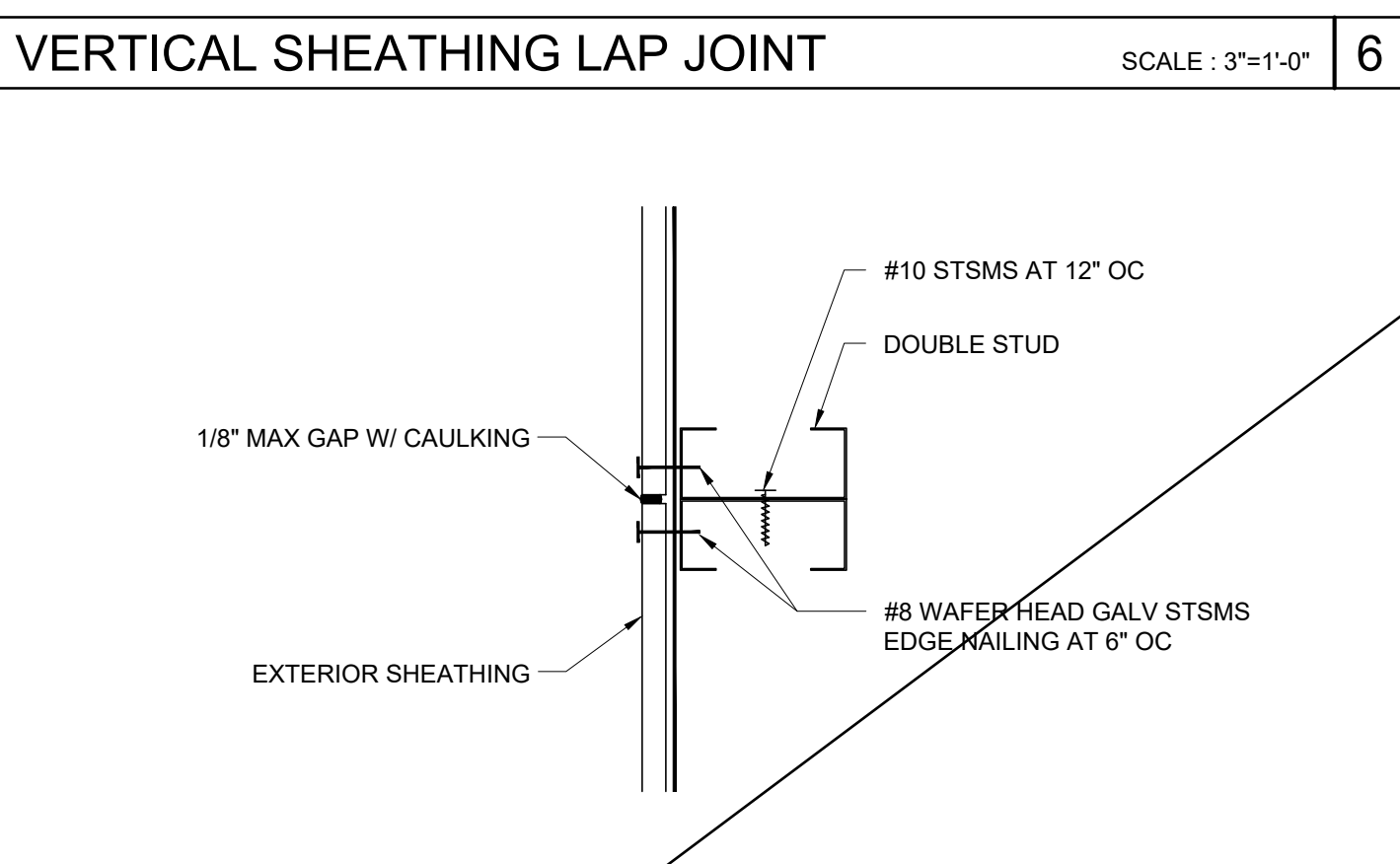
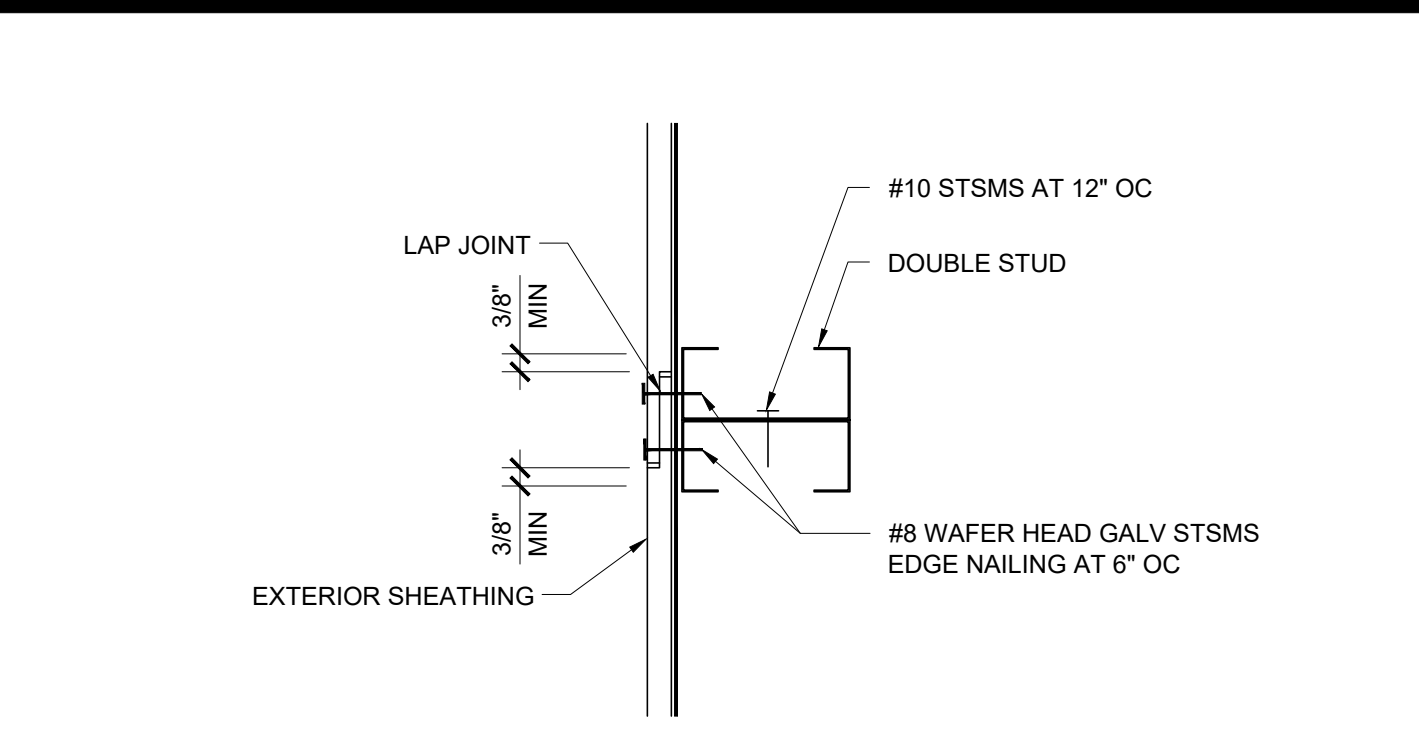
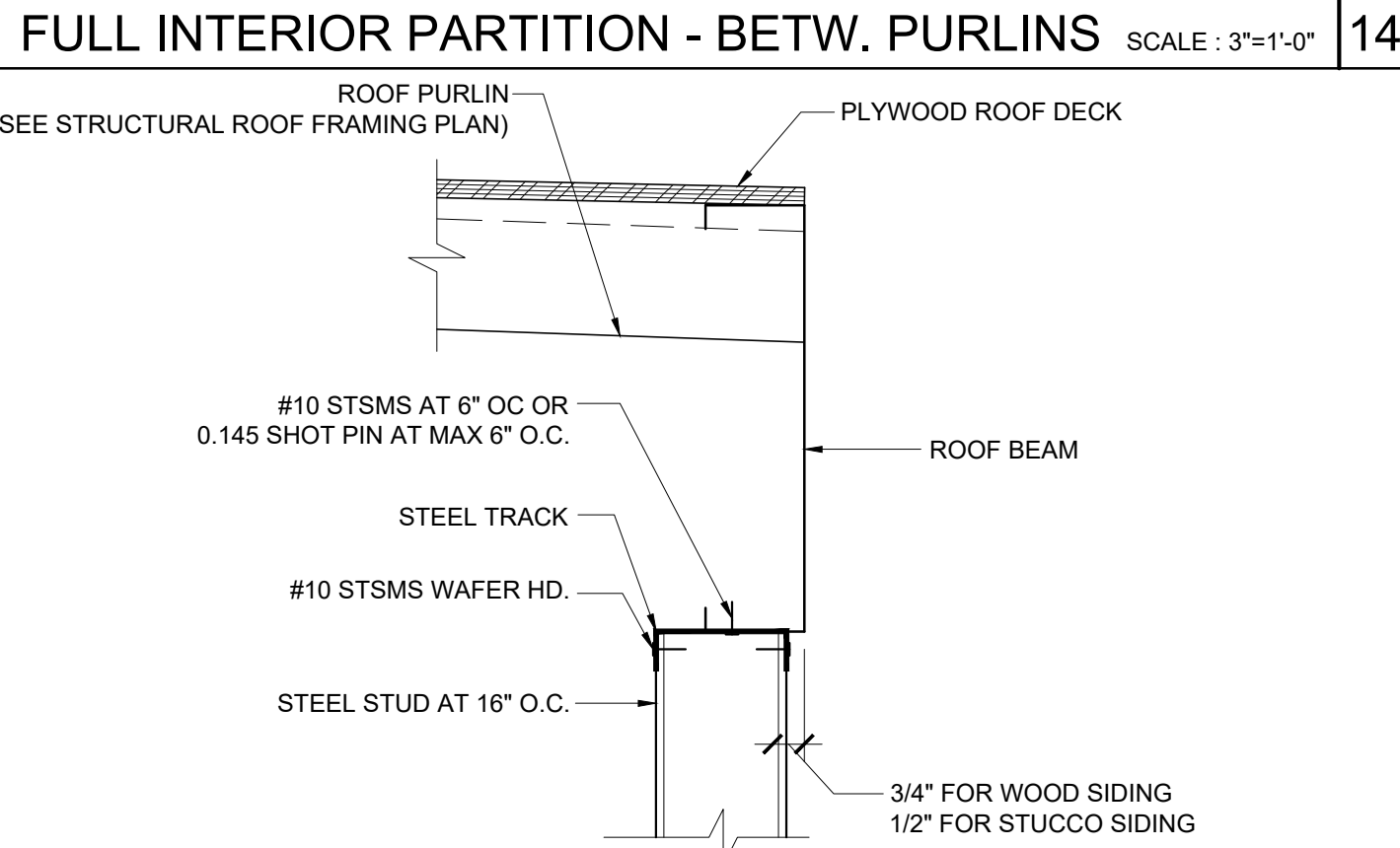
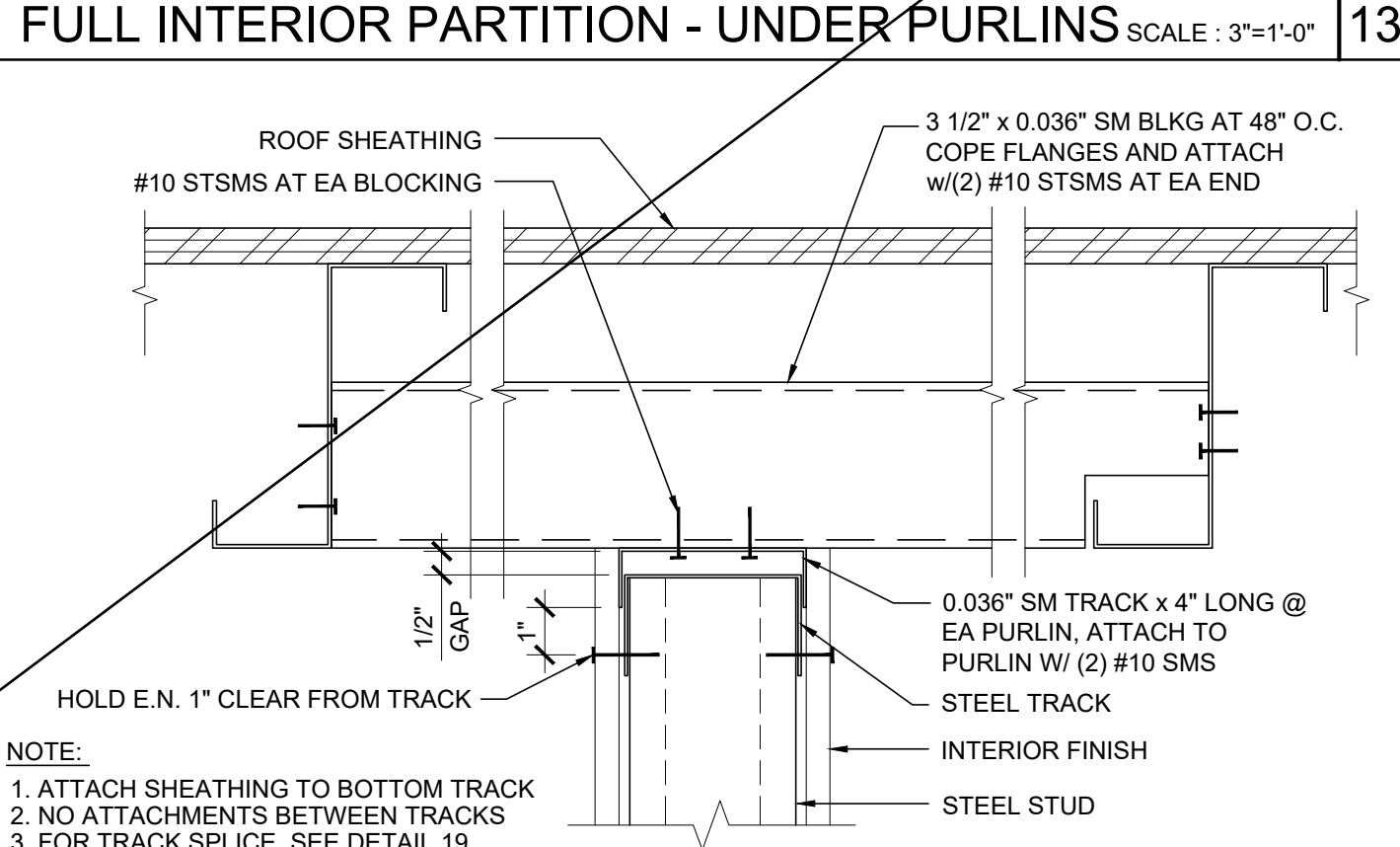
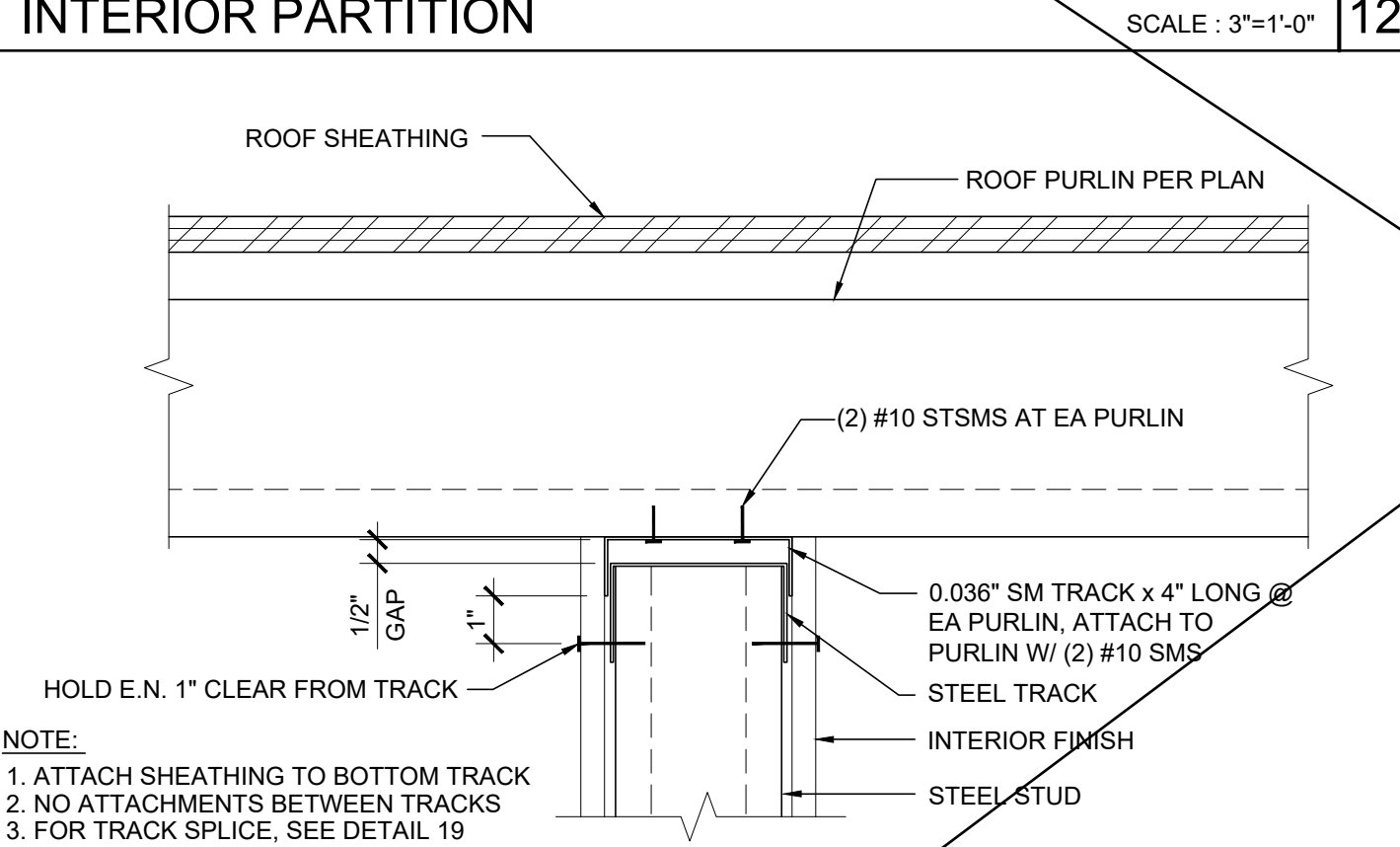
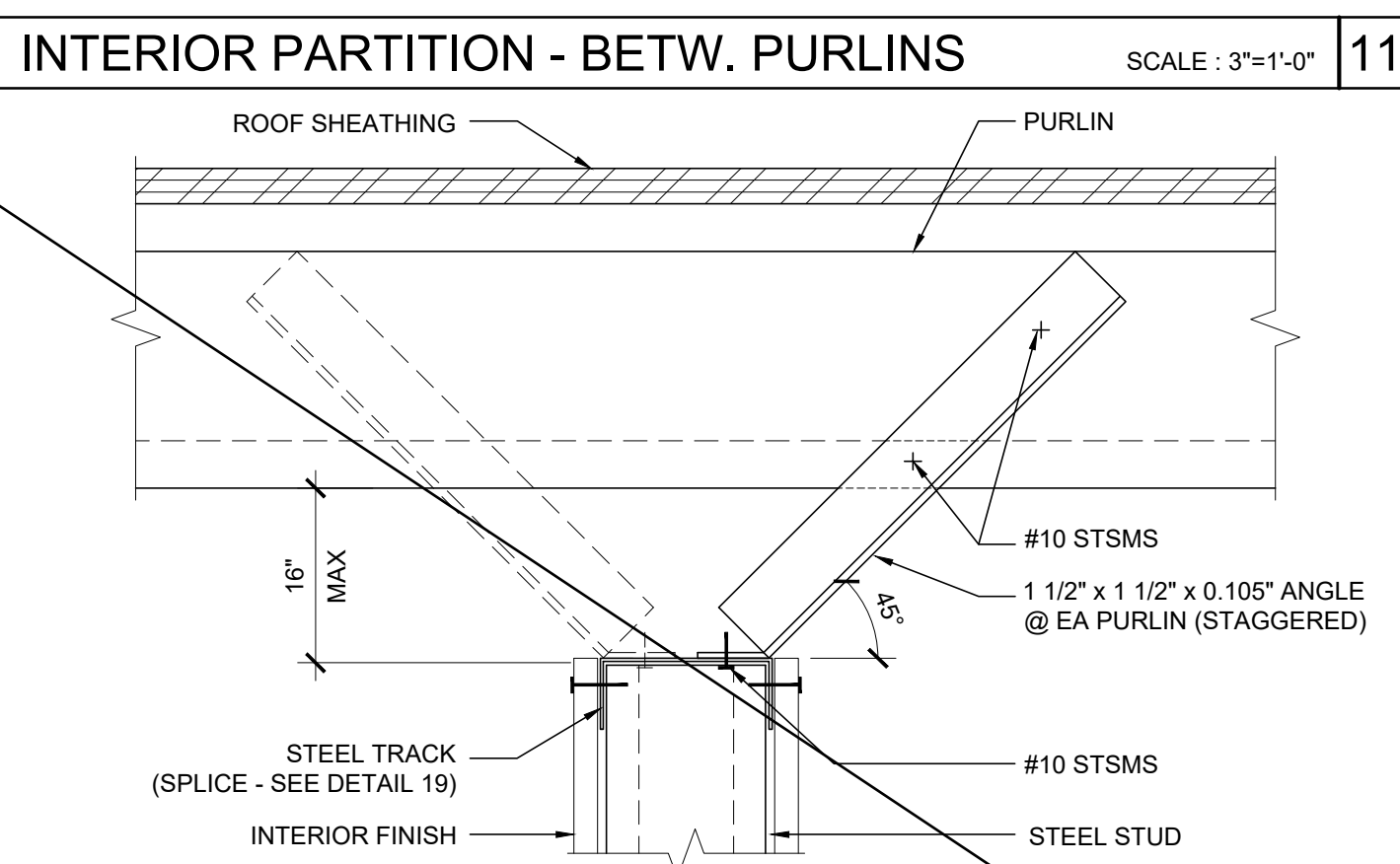
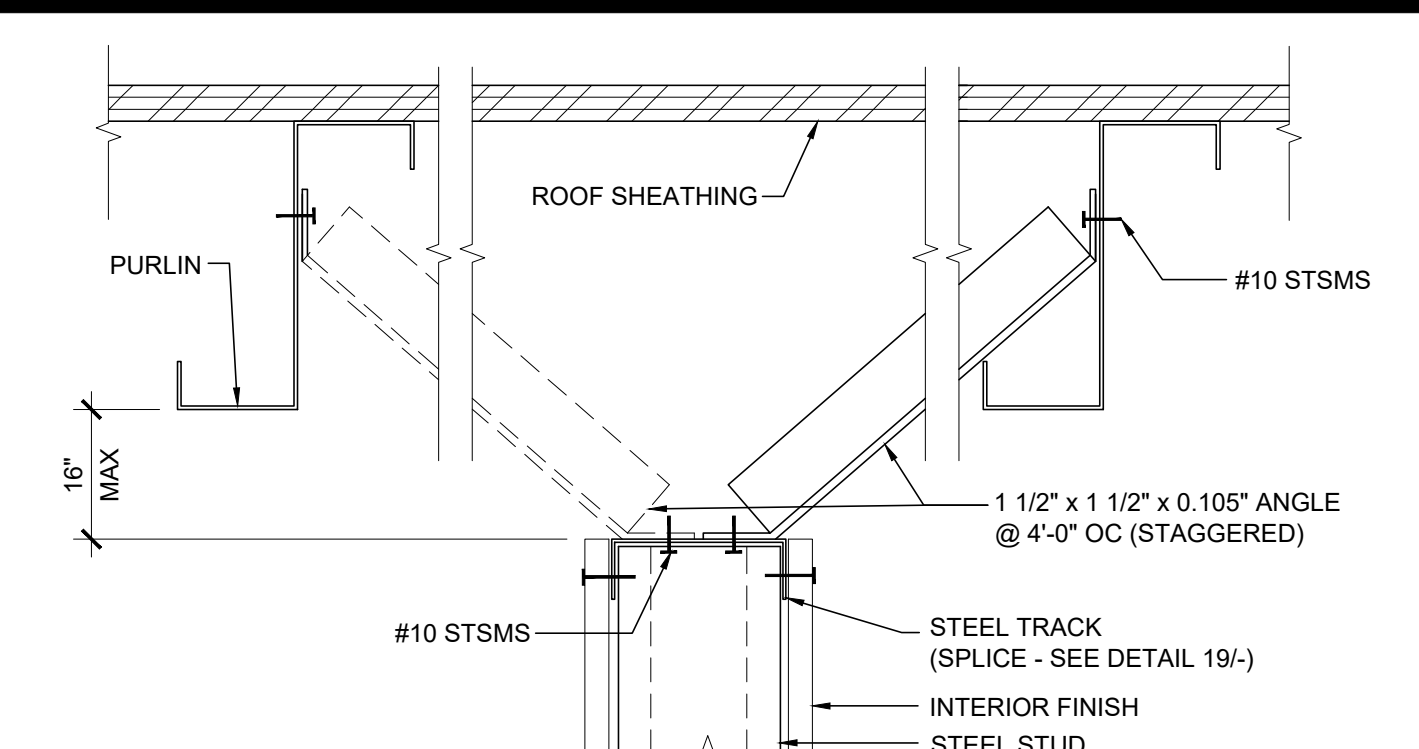
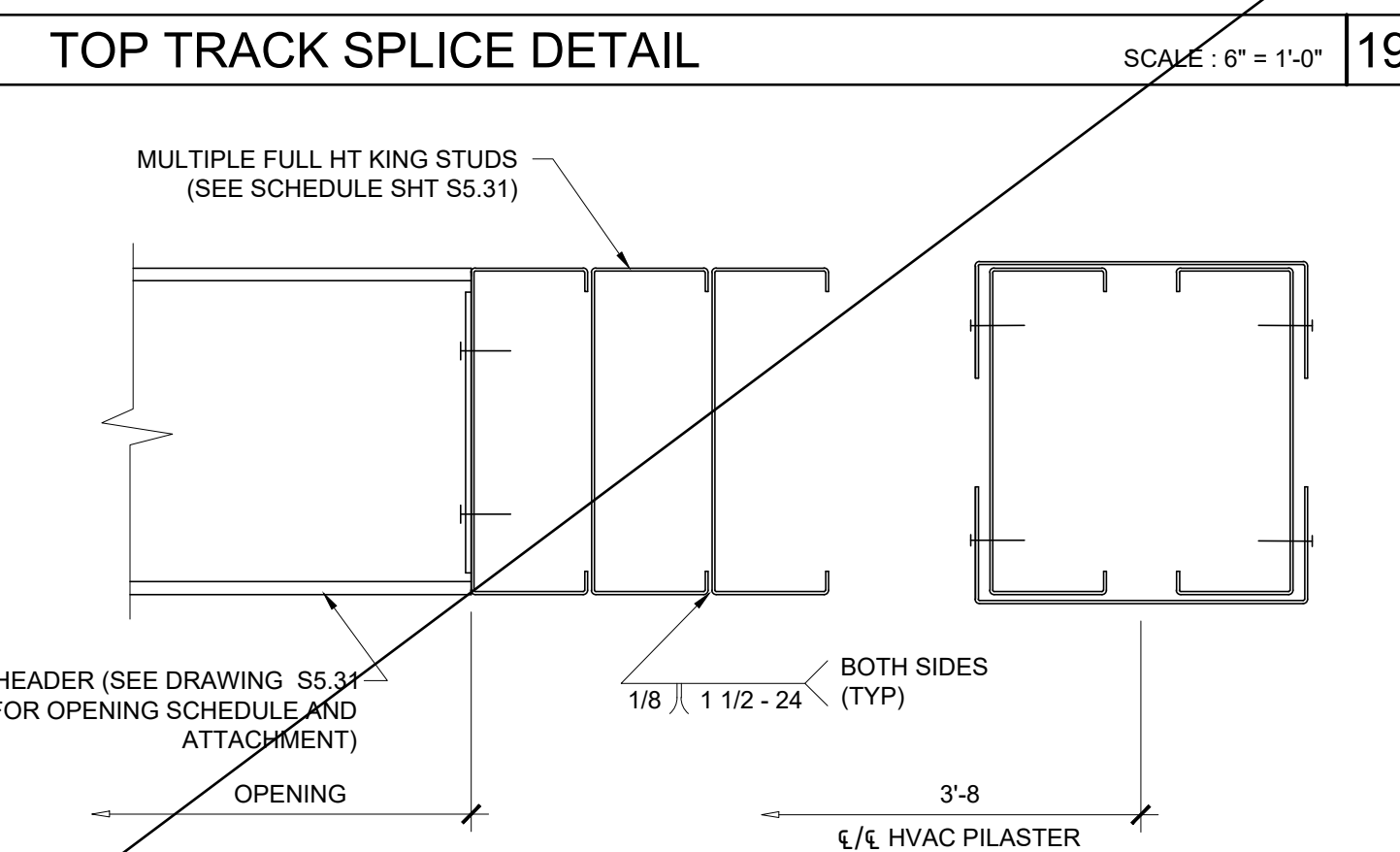
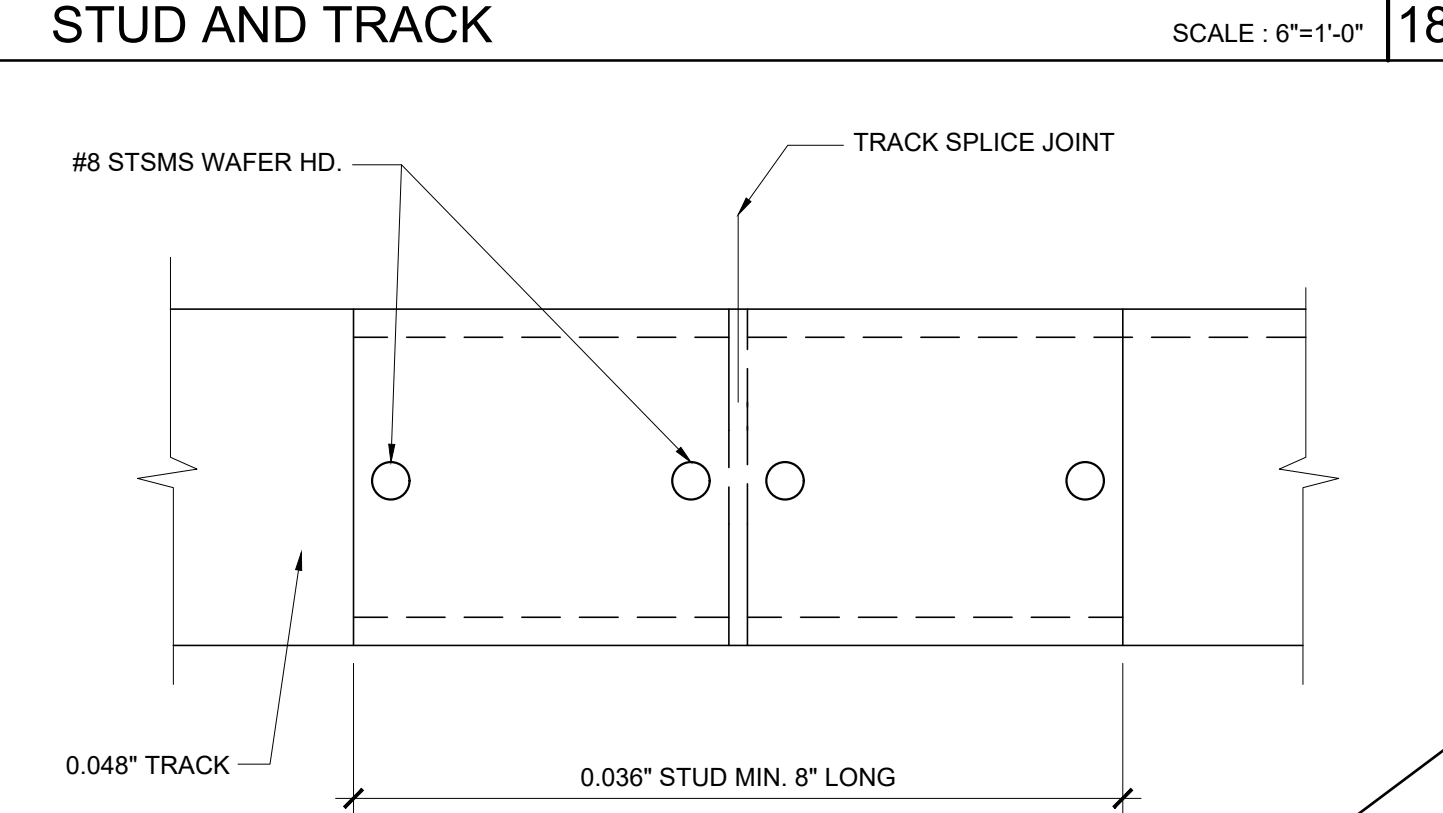
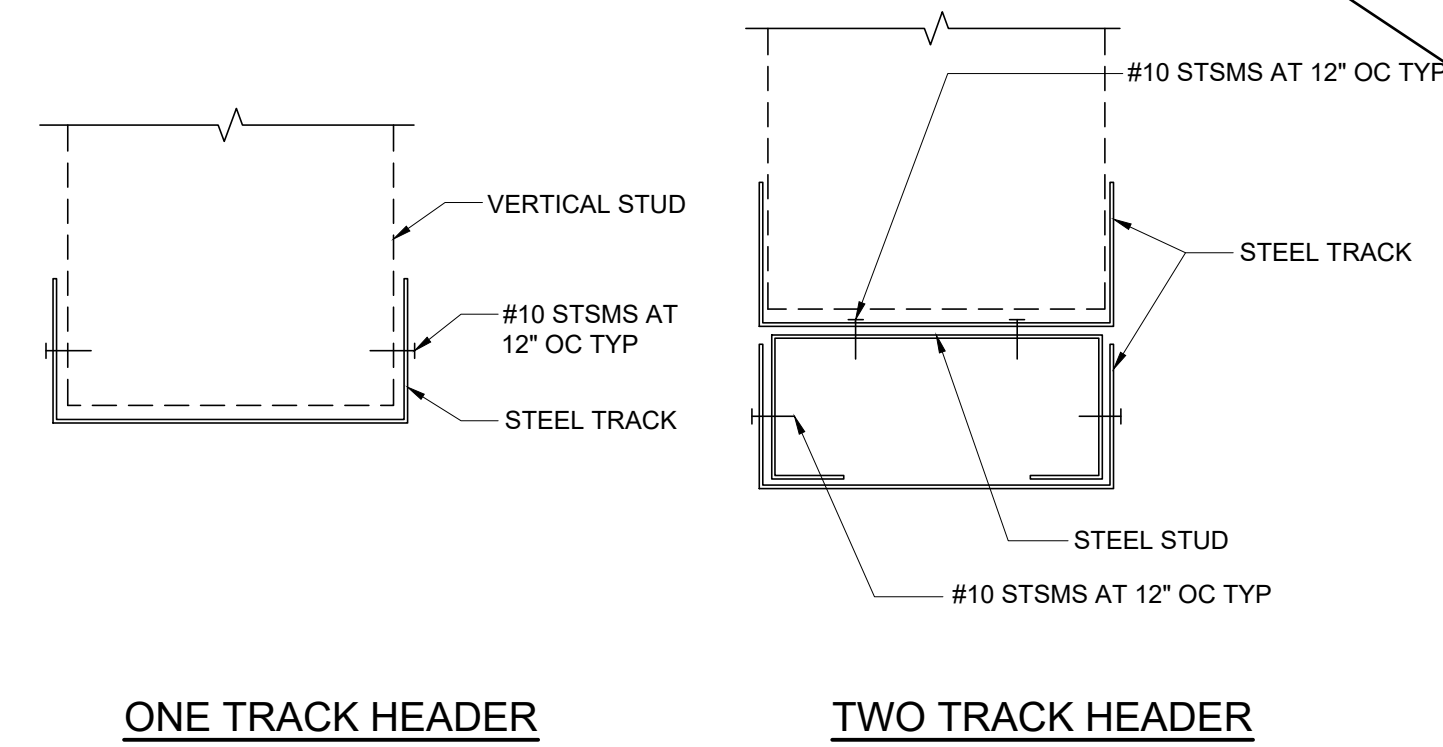
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

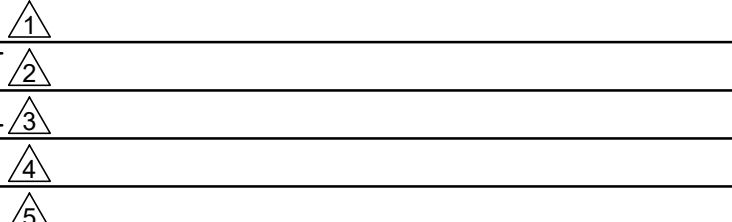
S-5.20



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SHEET TITLE:

REVISIONS



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

P.C. SHEET NUMBER

S-5.30

				<table><tr><th rowspan="2">WALL HEIGHT</th><th rowspan="2">EXT FINISH</th><th colspan="3">STEEL WALL FRAMING</th><th colspan="3">4' CORNER OF STEEL WALL FRAMING (ZONE 5)</th></tr><tr><th>NO.</th><th>SIZE</th><th>OC</th><th>NO.</th><th>SIZE</th><th>OC</th></tr><tr><td rowspan="3">LESS THAN 9'-6"</td><td>NO PLASTER</td><td>(1)</td><td>350S162-33</td><td>16" OC</td><td>(1)</td><td>350S162-33</td><td>16" OC</td></tr><tr><td>W/ PLASTER</td><td>(1)</td><td>350S162-33</td><td>16" OC</td><td>(1)</td><td>350S162-33</td><td>12" OC</td></tr><tr><td>9'-6" TO 10'-6"</td><td>NO PLASTER</td><td>(1)</td><td>350S162-33</td><td>16" OC</td><td>(1)</td><td>350S162-33</td><td>16" OC</td></tr><tr><td></td><td>W/ PLASTER</td><td>(1)</td><td>350S162-33</td><td>12" OC</td><td>(2)</td><td>350S162-33</td><td>12" OC</td></tr><tr><td rowspan="2">LESS THAN 10'-6"</td><td>NO PLASTER</td><td>(1)</td><td>550S162-33</td><td>16" OC</td><td>(1)</td><td>550S162-33</td><td>16" OC</td></tr><tr><td>W/ PLASTER</td><td>(1)</td><td>550S162-33</td><td>16" OC</td><td>(1)</td><td>550S162-33</td><td>16" OC</td></tr><tr><td rowspan="2">LESS THAN 10'-6"</td><td>NO PLASTER</td><td>(1)</td><td>750S162-33</td><td>16" OC</td><td>(1)</td><td>750S162-33</td><td>16" OC</td></tr><tr><td>W/ PLASTER</td><td>(1)</td><td>750S162-33</td><td>16" OC</td><td>(1)</td><td>750S162-33</td><td>16" OC</td></tr></table> <p>NOTES: 1. INTERIOR FRAMING SHALL BE 350S162-33 SPACED AT NOT LESS THAN 24" O.C. 2. TOP AND BOTTOM TRACKS SHALL BE 550T150-33 WHERE "xxx" MATCHES THE STUD WIDTH 3. 600S162-33 STUDS MAY BE USED IN LIEU OF 550S162-33 STUDS 4. 800S162-33 STUDS MAY BE USED IN LIEU OF 750S162-33 STUDS 5. 350S162-33 EXTERIOR FRAMING SHALL ONLY BE USED AT UNCONDITIONED RESTROOM MODULES</p>	WALL HEIGHT	EXT FINISH	STEEL WALL FRAMING			4' CORNER OF STEEL WALL FRAMING (ZONE 5)			NO.	SIZE	OC	NO.	SIZE	OC	LESS THAN 9'-6"	NO PLASTER	(1)	350S162-33	16" OC	(1)	350S162-33	16" OC	W/ PLASTER	(1)	350S162-33	16" OC	(1)	350S162-33	12" OC	9'-6" TO 10'-6"	NO PLASTER	(1)	350S162-33	16" OC	(1)	350S162-33	16" OC		W/ PLASTER	(1)	350S162-33	12" OC	(2)	350S162-33	12" OC	LESS THAN 10'-6"	NO PLASTER	(1)	550S162-33	16" OC	(1)	550S162-33	16" OC	W/ PLASTER	(1)	550S162-33	16" OC	(1)	550S162-33	16" OC	LESS THAN 10'-6"	NO PLASTER	(1)	750S162-33	16" OC	(1)	750S162-33	16" OC	W/ PLASTER	(1)	750S162-33	16" OC	(1)	750S162-33	16" OC	1
WALL HEIGHT	EXT FINISH	STEEL WALL FRAMING					4' CORNER OF STEEL WALL FRAMING (ZONE 5)																																																																									
		NO.	SIZE	OC	NO.	SIZE	OC																																																																									
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	W/ PLASTER	(1)	750S162-33	16" OC	(1)	750S162-33	16" OC																																																																									
16		11	1 - TRACK HEADER (SIMILAR AT SILL)		<table><tr><th rowspan="2">COLUMN HEIGHT</th><th rowspan="2">OPENING SIZE</th><th rowspan="2">EXT FINISH</th><th colspan="2">HEADER</th><th colspan="2">SILL</th><th colspan="2">FULL HEIGHT KING STUD</th></tr><tr><th>NO.</th><th>SIZE</th><th>NO.</th><th>SIZE</th><th>TYPE</th><th>NO.</th><th>SIZE</th></tr><tr><td rowspan="4">10'-6" OR LESS</td><td>4070</td><td>NO PLASTER</td><td>(1)</td><td>350T150-33</td><td></td><td>N/A</td><td>(2)</td><td>350S162-33</td></tr><tr><td></td><td>W/ PLASTER</td><td>(1)</td><td>350T150-33</td><td></td><td>N/A</td><td>(2)</td><td>350S162-33</td></tr><tr><td>4070</td><td>ANY</td><td>(1)</td><td>550T150-33</td><td></td><td>N/A</td><td>(1)</td><td>550S162-33</td></tr><tr><td>6040</td><td>ANY</td><td>(2)</td><td>550T150-33</td><td>(2)</td><td>3.5 x 1.25 x 036</td><td>TRACK</td><td>(2)</td><td>550S162-33</td></tr><tr><td></td><td>8040</td><td>ANY</td><td>(2)</td><td>550T150-33</td><td>(2)</td><td>3.5 x 1.25 x 036</td><td>STUD</td><td>(2)</td><td>550S162-33</td></tr></table> <p>NOTES: 1. 550S162-33 STUDS MAY BE REPLACED WITH LARGER STUDS TO MATCH THE WALL FRAMING SIZE. 2. 550T150-33 TRACKS MAY BE REPLACED WITH LARGER TRACKS TO MATCH THE WALL FRAMING SIZE.</p>	COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER		SILL		FULL HEIGHT KING STUD		NO.	SIZE	NO.	SIZE	TYPE	NO.	SIZE	10'-6" OR LESS	4070	NO PLASTER	(1)	350T150-33		N/A	(2)	350S162-33		W/ PLASTER	(1)	350T150-33		N/A	(2)	350S162-33	4070	ANY	(1)	550T150-33		N/A	(1)	550S162-33	6040	ANY	(2)	550T150-33	(2)	3.5 x 1.25 x 036	TRACK	(2)	550S162-33		8040	ANY	(2)	550T150-33	(2)	3.5 x 1.25 x 036	STUD	(2)	550S162-33	7														
COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER		SILL				FULL HEIGHT KING STUD																																																																							
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	4070	ANY	(1)	550T150-33		N/A	(1)	550S162-33																																																																								
	6040	ANY	(2)	550T150-33	(2)	3.5 x 1.25 x 036	TRACK	(2)	550S162-33																																																																							
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17		12	2 - TRACK HEADER (SIMILAR AT SILL)		8	NOT USED	3																																																																									
18		13	3 - TRACK HEADER (SIMILAR AT SILL)		9	INTERIOR PARTITION WALL TO ROOF TRUSS	4																																																																									
19		14	COLUMN AT CORNER @ 2x6 STUD WALL SCALE : 3"=1'-0"		10	INTERIOR PARTITION WALL TO ROOF BEAM	5																																																																									
20		15	COLUMN AT CORNER @ 2x8 STUD WALL SCALE : 3"=1'-0"																																																																													

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

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

REVISIONS

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MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

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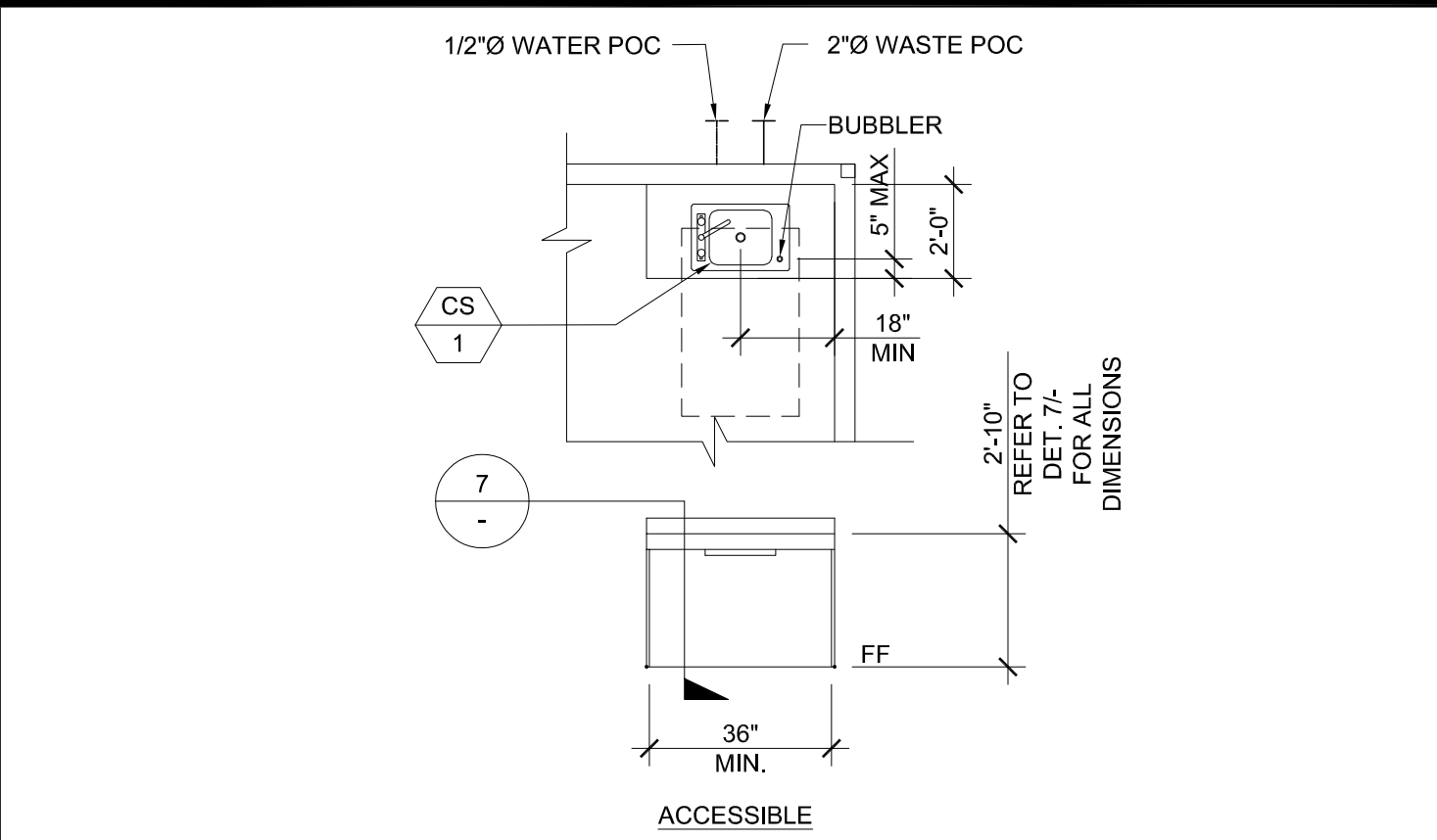
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DATE: 02-27-2023

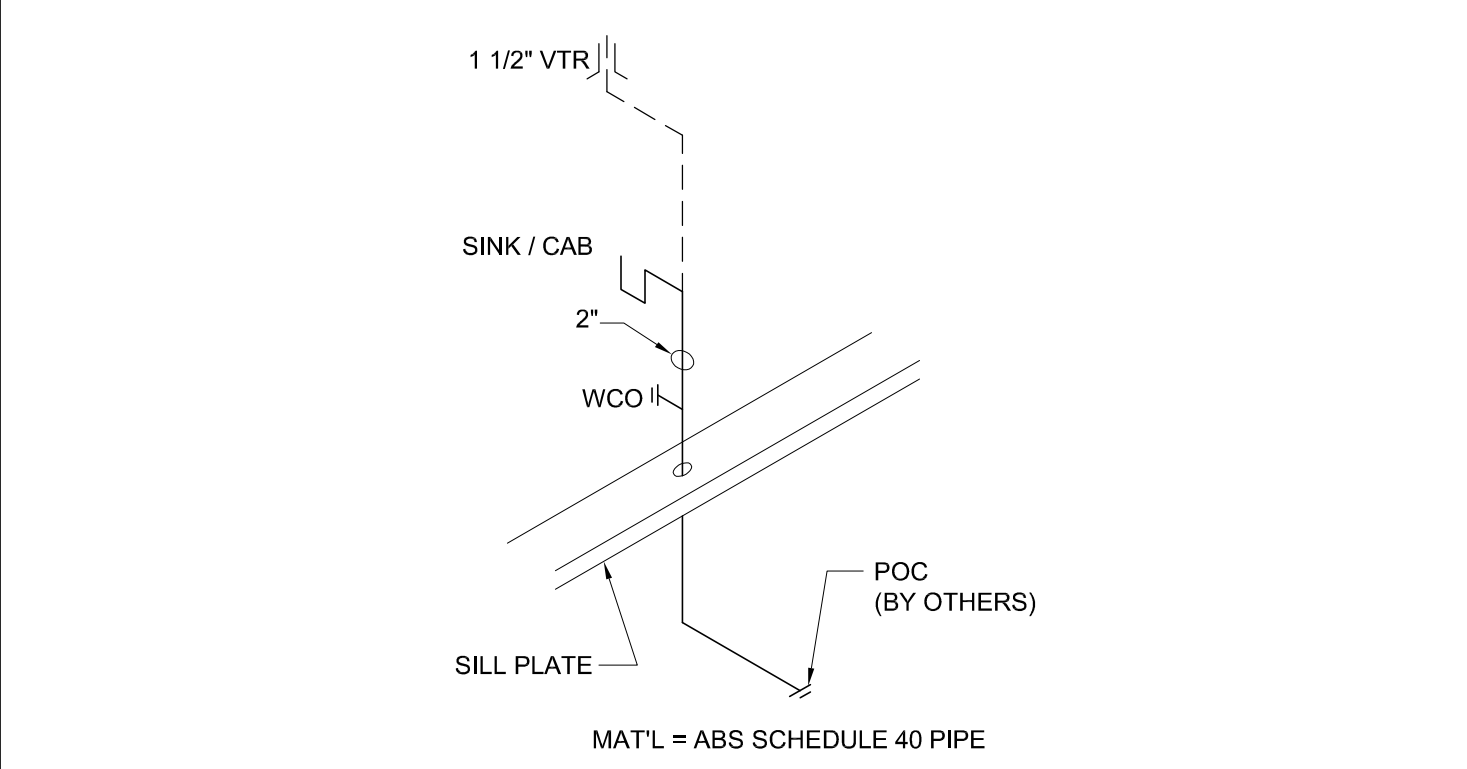
P.C. SHEET NUMBER

S-5.31

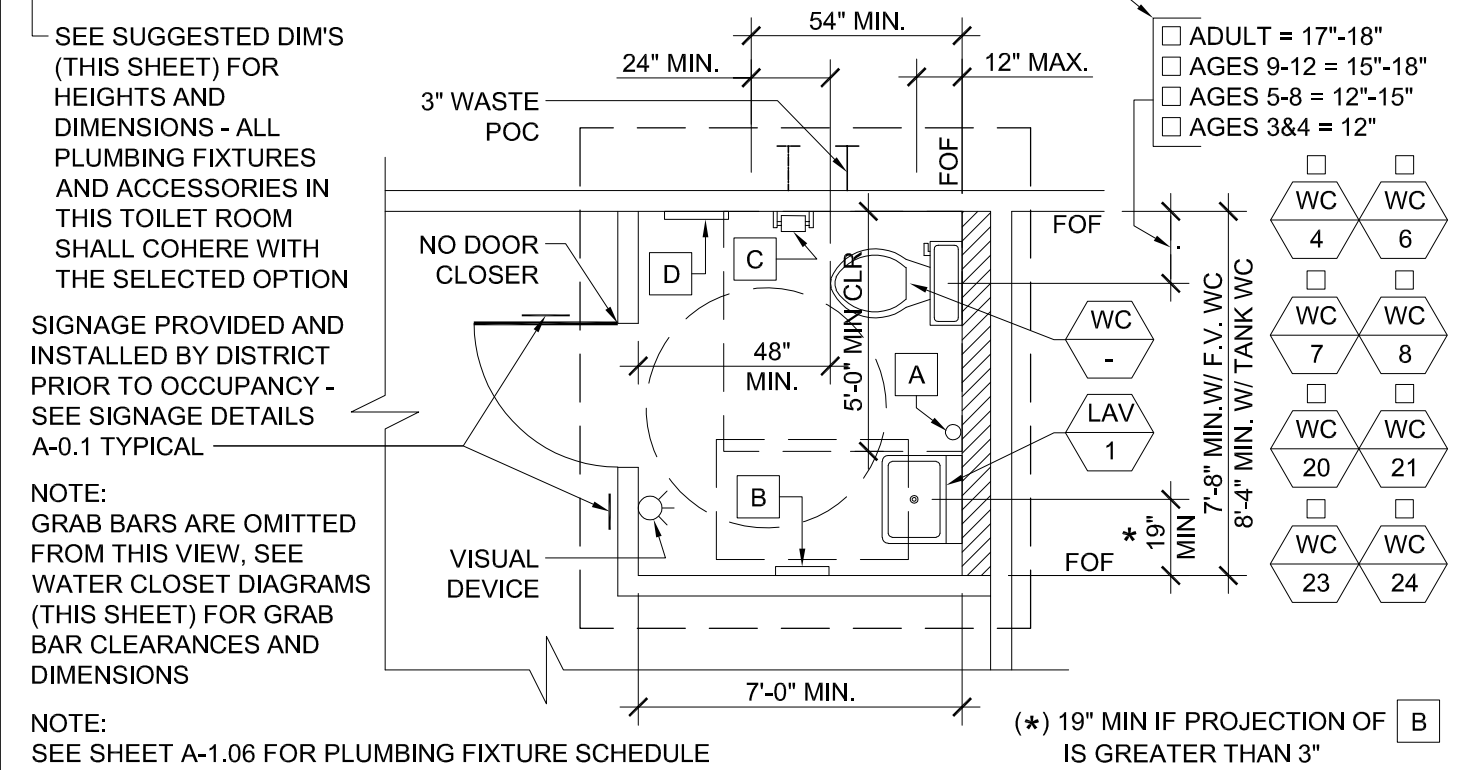


TYPICAL SINK CABINET

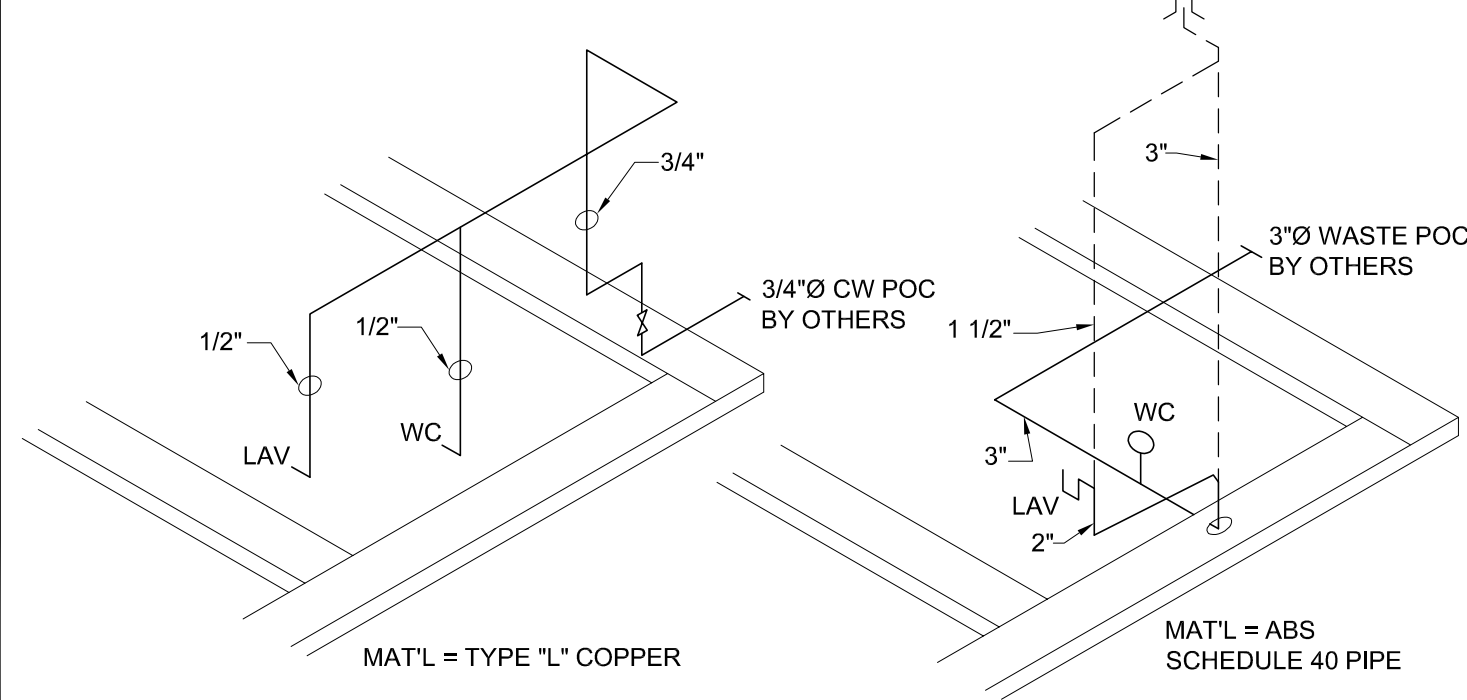
SINK CABINET COLD WATER SUPPLY



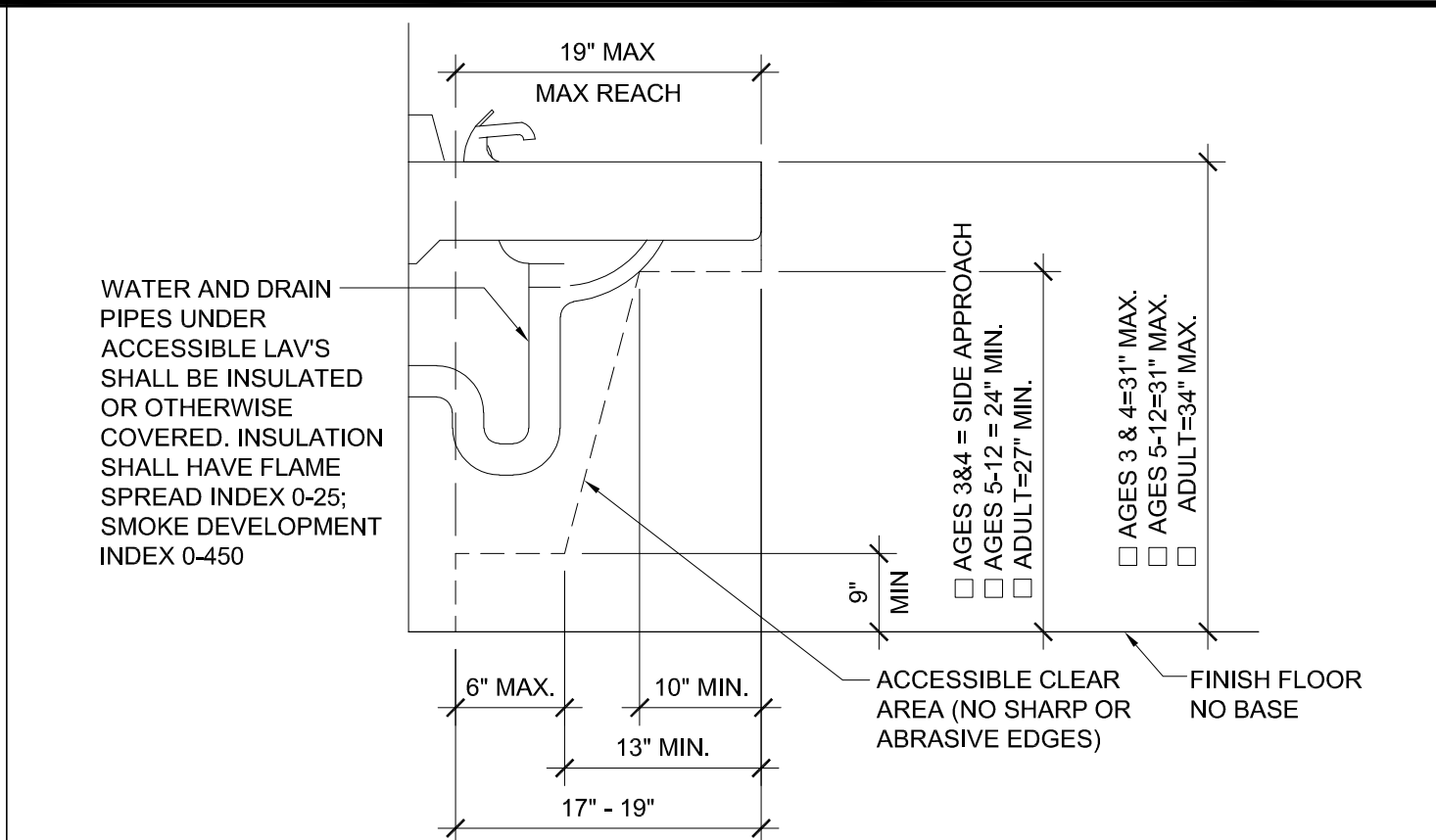
SINK CABINET WASTE



TYPICAL TOILET ROOM PLAN

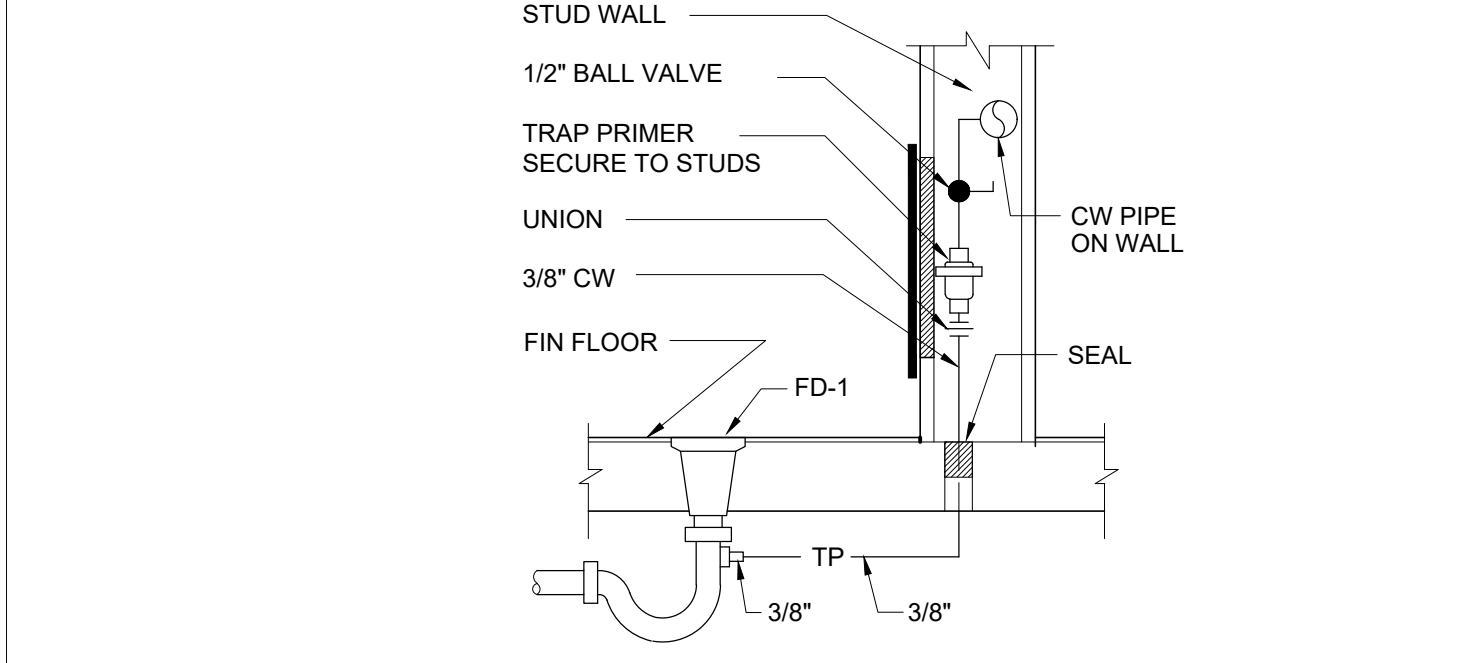


TOILET ROOM COLD WATER SUPPLY AND WASTE

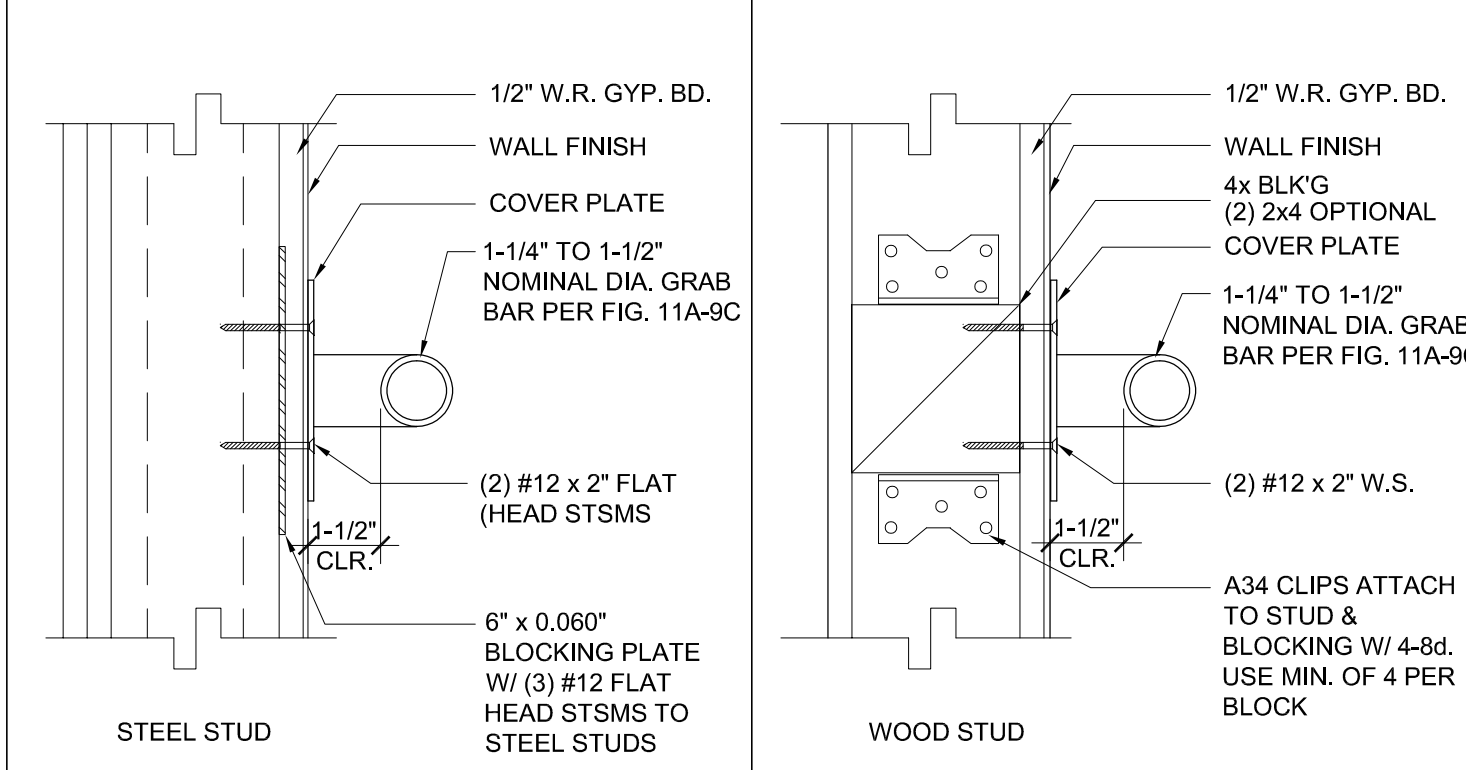


ACCESSIBLE LAV CLEARANCE

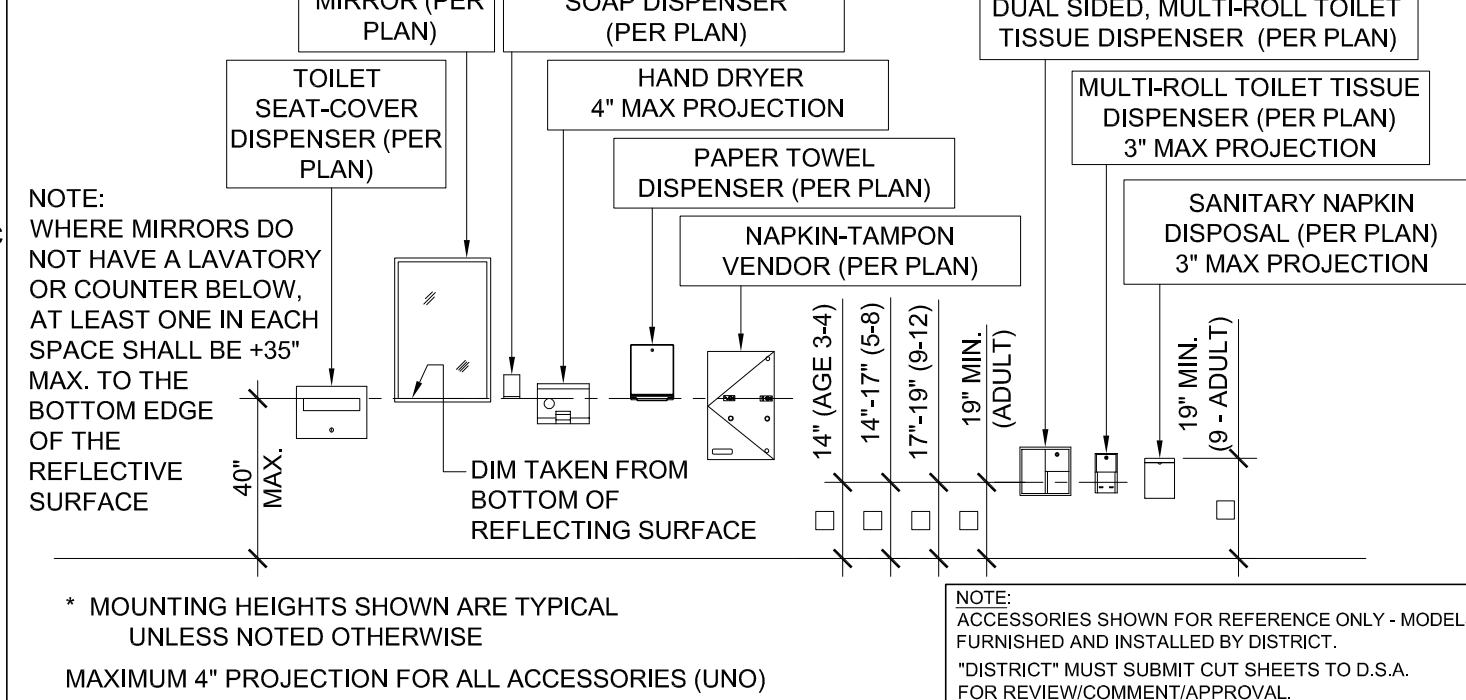
ACCESSIBLE SINK CABINET (OPTION)



TRAP PRIMER TO FLOOR DRAIN



GRAB BAR CONNECTION DETAIL



TOILET ACCESSORIES MOUNTING HEIGHTS

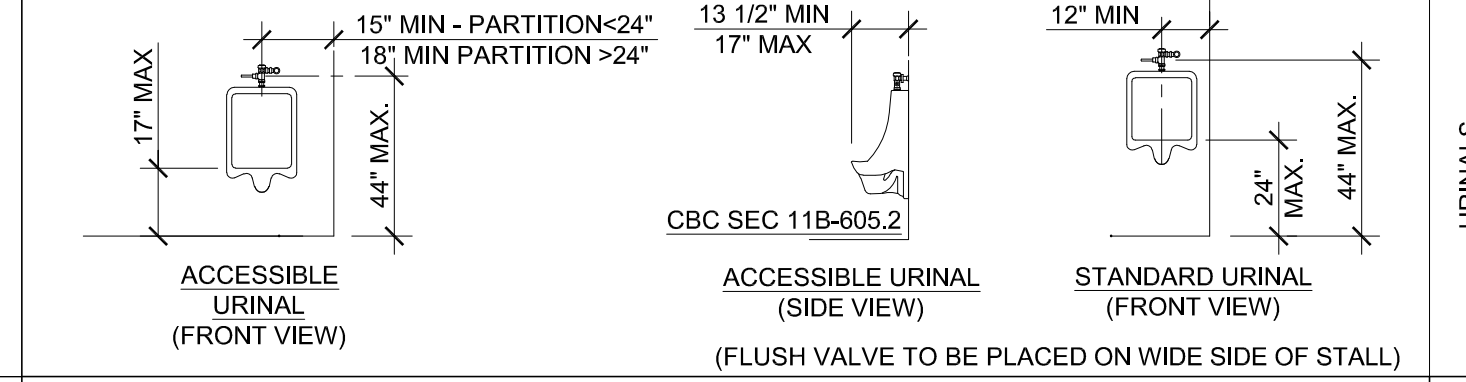
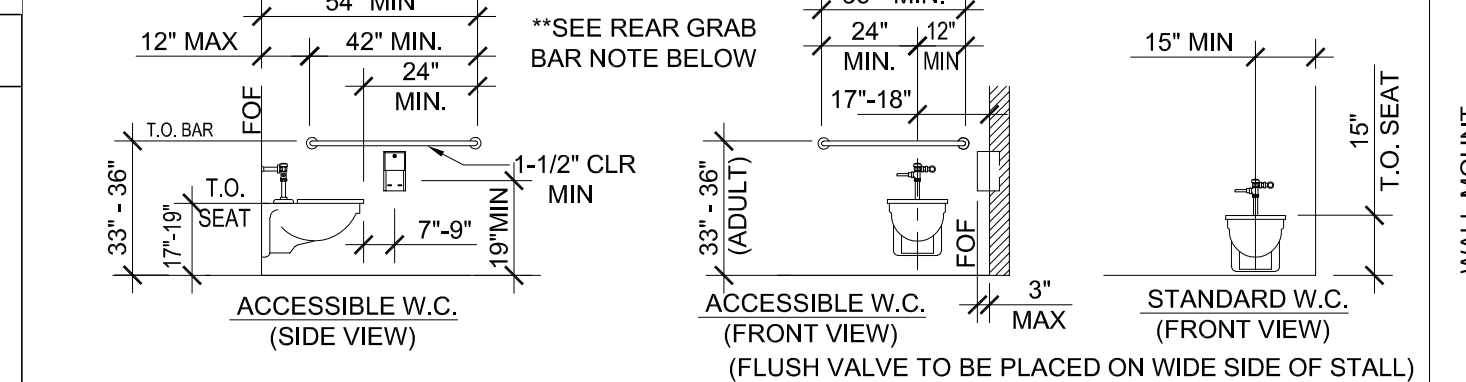
ACCESSIBILITY DIMENSIONS	11B-604.9 SUGGESTED DIMS			
	ADULT	AGES 9 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL	17" - 18"	15" - 18"	12" - 15"	12"
TOILET SEAT HEIGHT (DIM TO TOP OF SEAT)	17" - 19"	15" - 17"	12" - 15"	11" - 12"
GRAB BAR HEIGHT (TO TOP)	33" - 36"	25" - 27"	20" - 25"	18" - 20"
TOILET PAPER IN FRONT OF TOILET	7" - 9"	7" - 9"	7" - 9"	7" - 9"
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX.	12" MAX.	N/A	N/A
MIRROR HEIGHT (TO BOTTOM OF GLASS)	40" MAX.	40" MAX.	36" MAX.	32" MAX.
DISPENSER HEIGHT	19" MIN.	17" - 19"	14" - 17"	14"
LAVATORY/SINK TOP HEIGHT	34" MAX.	31" MAX.	31" MAX.	31" MAX.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.	24" MIN.	24" MIN.	24" MIN.
URINAL LIP HEIGHT	17" MAX.	17" MAX.	15" MAX.	13" MIN.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	44" MAX.	37" MAX. *	32" MAX. *
DRINKING FOUNTAIN BUBBLER HT. (LOW)	36" MAX.	30" MAX.	30" MAX.	30" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	SIDE APPROACH	SIDE APPROACH	SIDE APPROACH
HANDRAIL HEIGHT (TO TOP)	34" - 38"	34" - 38"	34" - 38"	34" - 38"

STANDARD DIMENSIONS

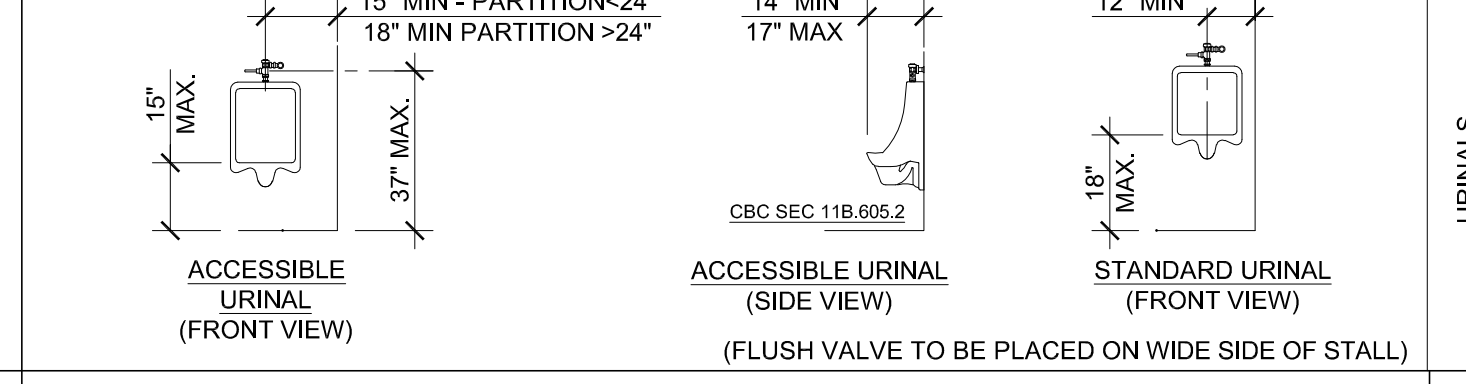
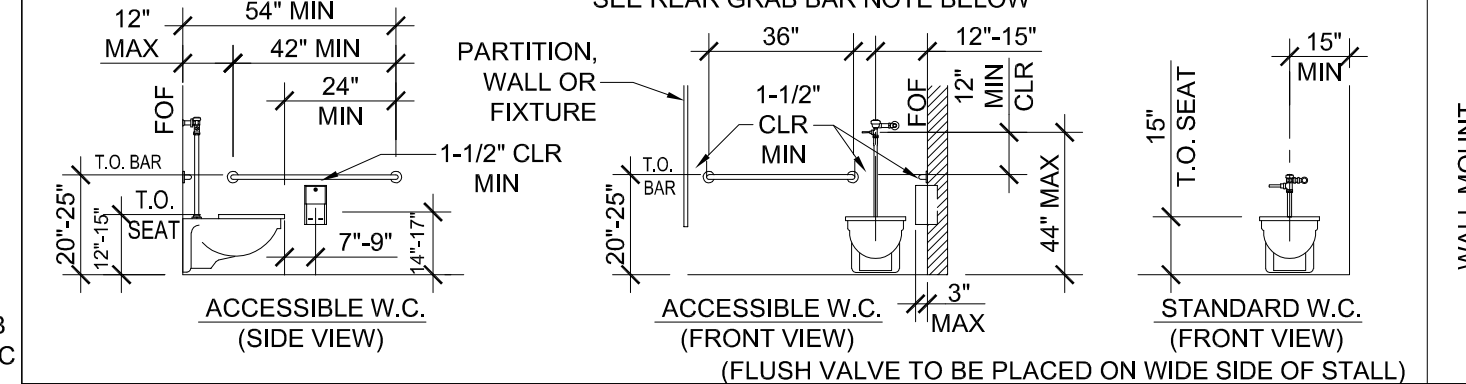
STANDARD DIMENSIONS	ALTERNATE HEIGHT (DIMS)			
	ADULT	AGES 9 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL/PARTITION	15" MIN	15" MIN	15" MIN	15" MIN
TOILET SEAT HEIGHT/DIM TO TOP OF SEAT	15"	15"	15"	15"
TOILET CLEARANCE/FRONT	24"	24"	24"	24"
URINAL LIP HEIGHT	24"	24"	18"	16"
URINAL CENTER FROM WALL/PARTITION	12"	12"	12"	12"

PLUMBING ACCESSORIES

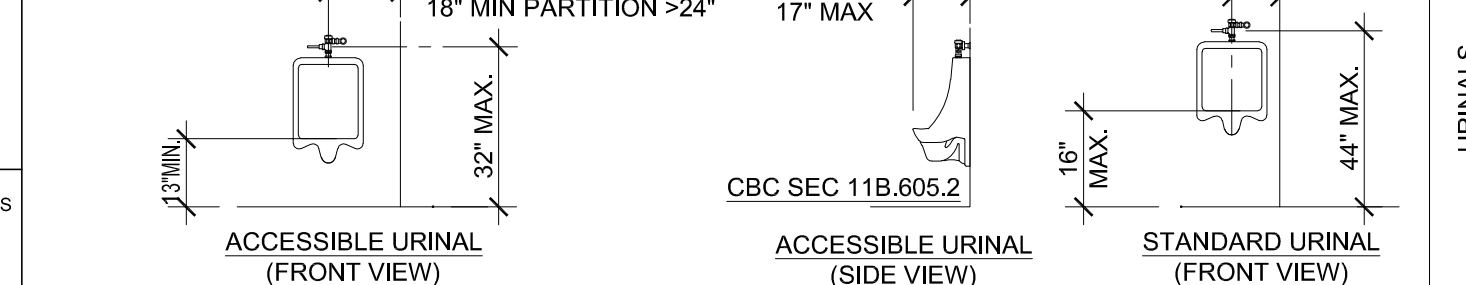
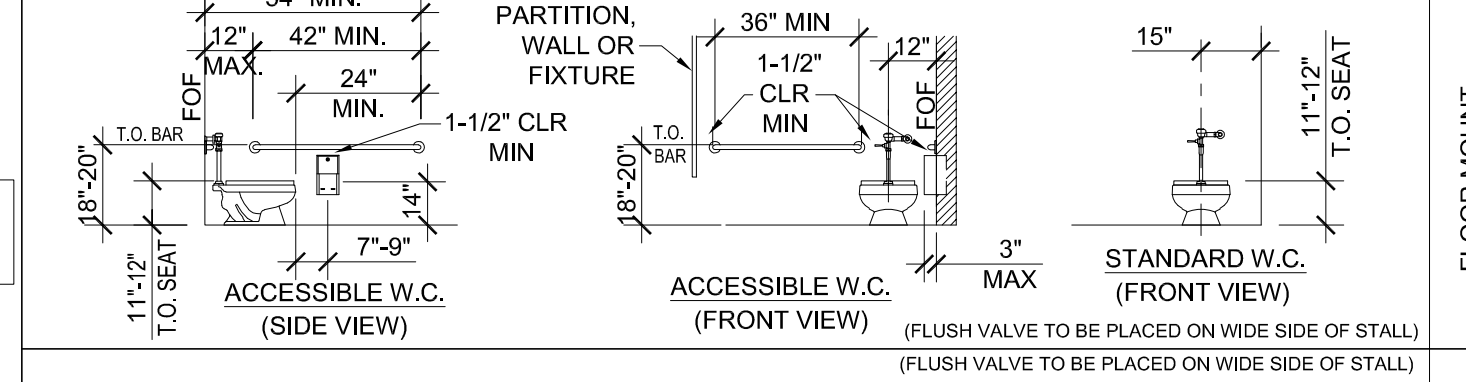
- REF. ONLY MODELS FURNISHED AND INSTALLED BY DISTRICT U.N.O.)
- A SOAP DISPENSER: LIQUID SOAP DISPENSER 4" MAX. PROJECTION
 - B PAPER TOWEL DISPENSER/TRASH BIN COMBO: SURFACE MOUNTED 4" MAX. PROJECTION-CANNOT ENCR OACH INTO 30x48 CLEAR SPACE OF FIXTURE
 - C TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED OR 3" MAX PROJECTION
 - D TOILET SEAT DISPENSER: SURFACE MOUNTED 4" MAX. PER CODE



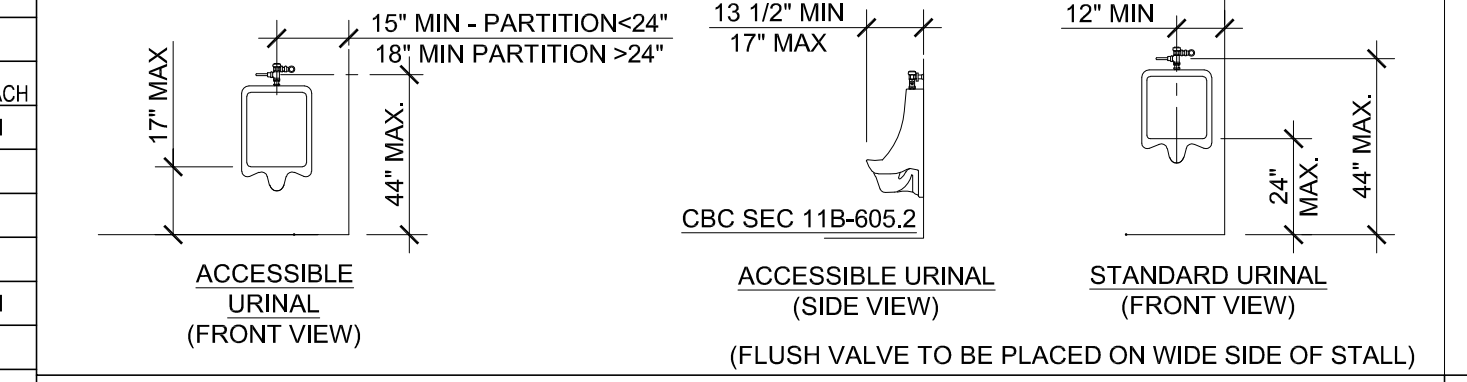
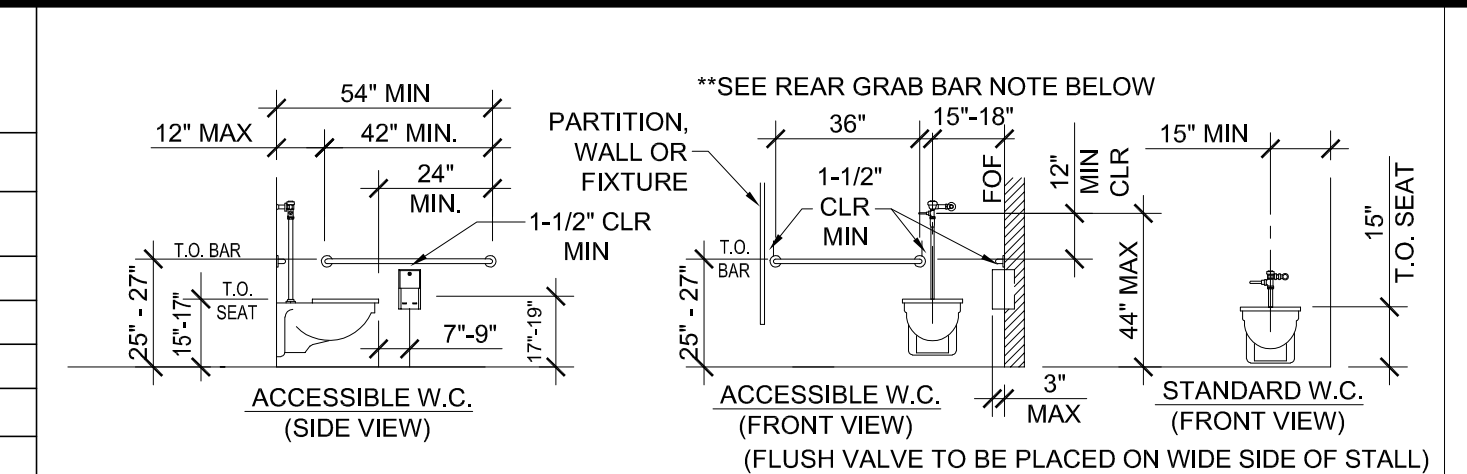
TOILET FIXTURE MOUNTING HEIGHTS (ADULT)



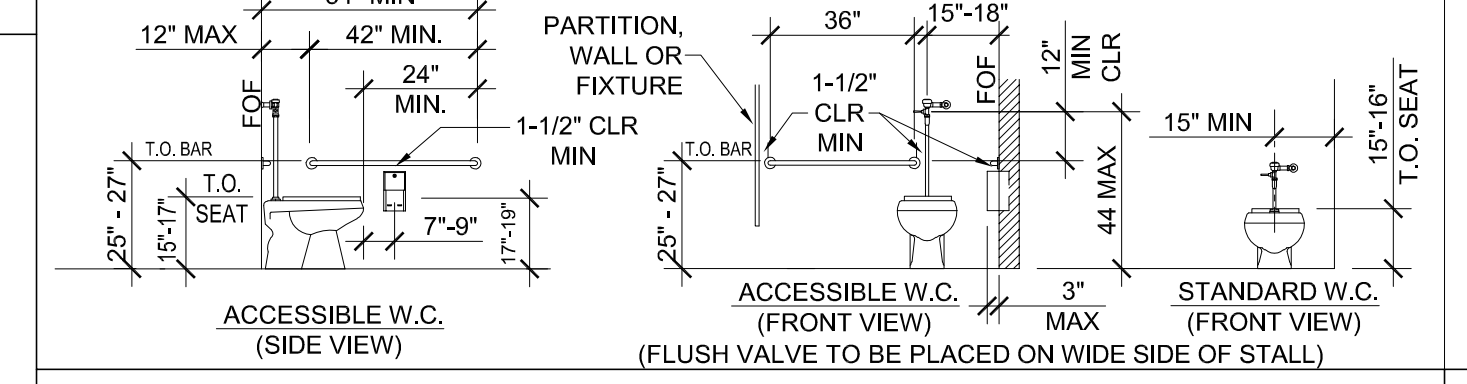
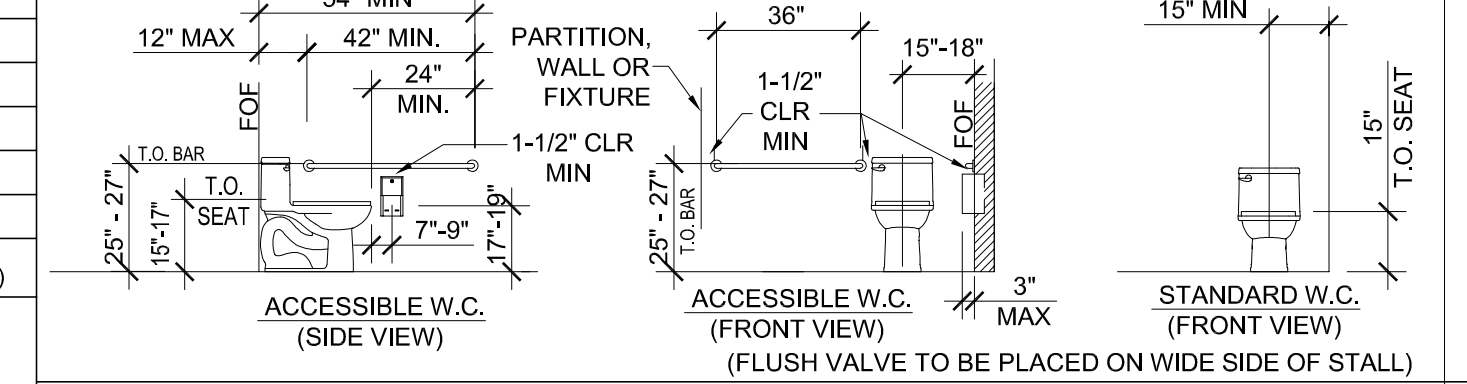
TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8)



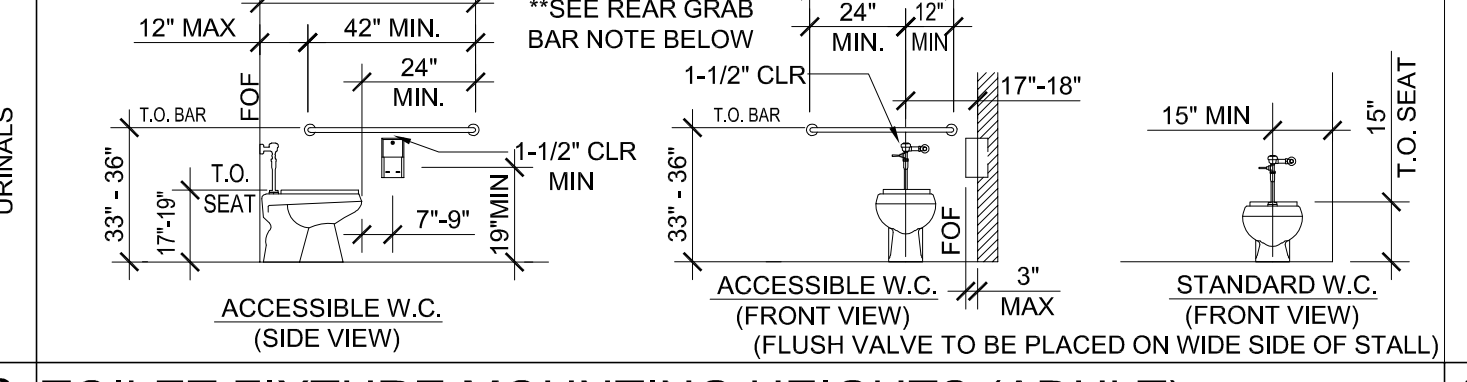
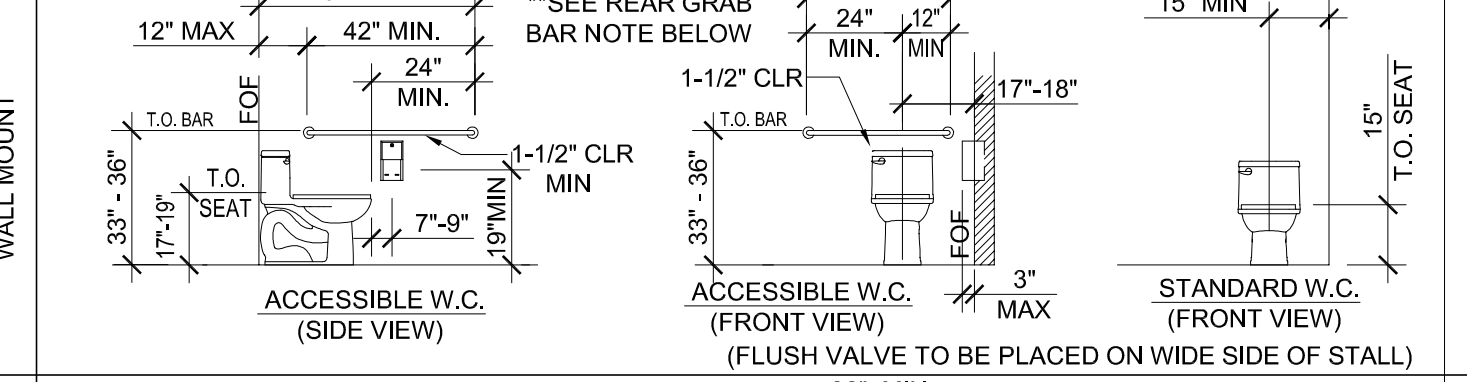
TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4)



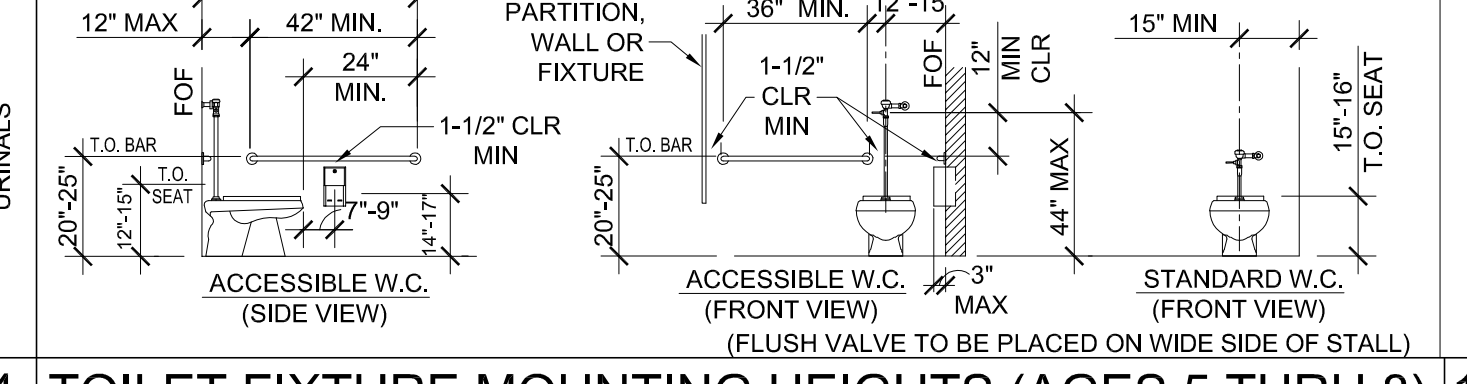
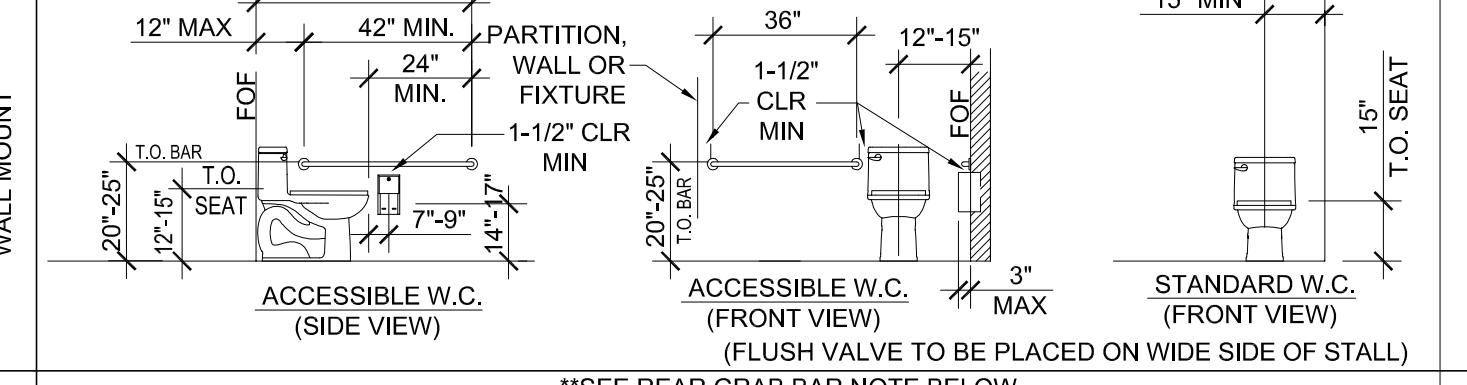
TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 THRU 12)



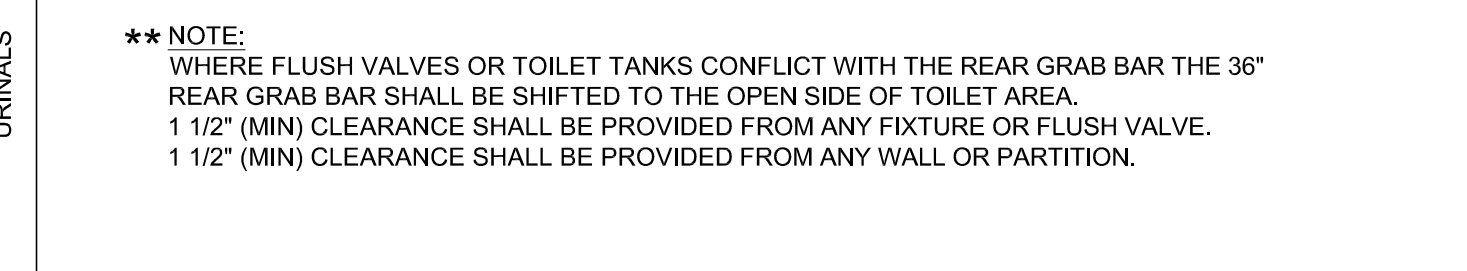
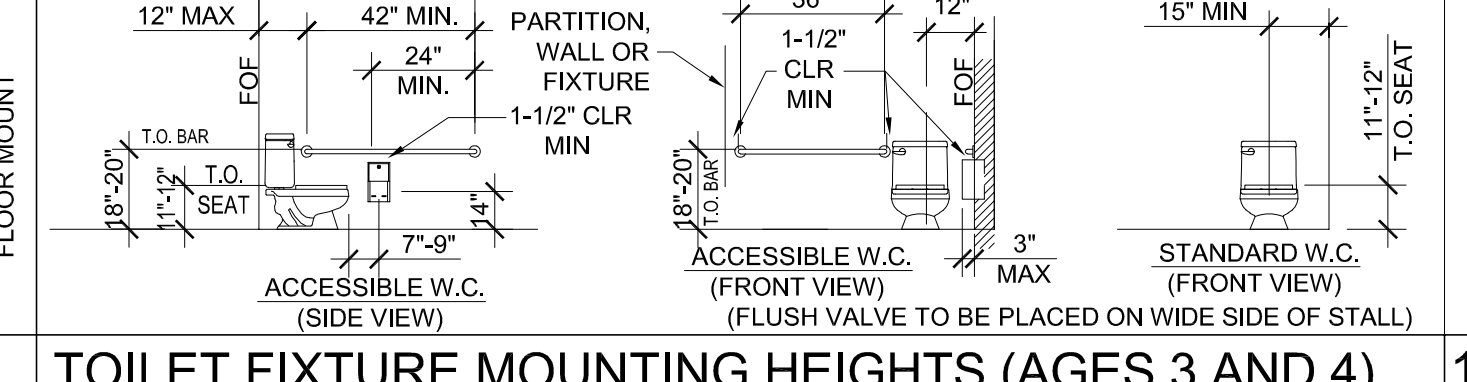
TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 THRU 12)



TOILET FIXTURE MOUNTING HEIGHTS (ADULT)



TOILET FIXTURE MOUNTING HEIGHTS (ADULT)



TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4)

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:

SHEET TITLE:

PLUMBING DETAILS AND SCHEDULE

REVISIONS

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

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP. 04.12.1999 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:

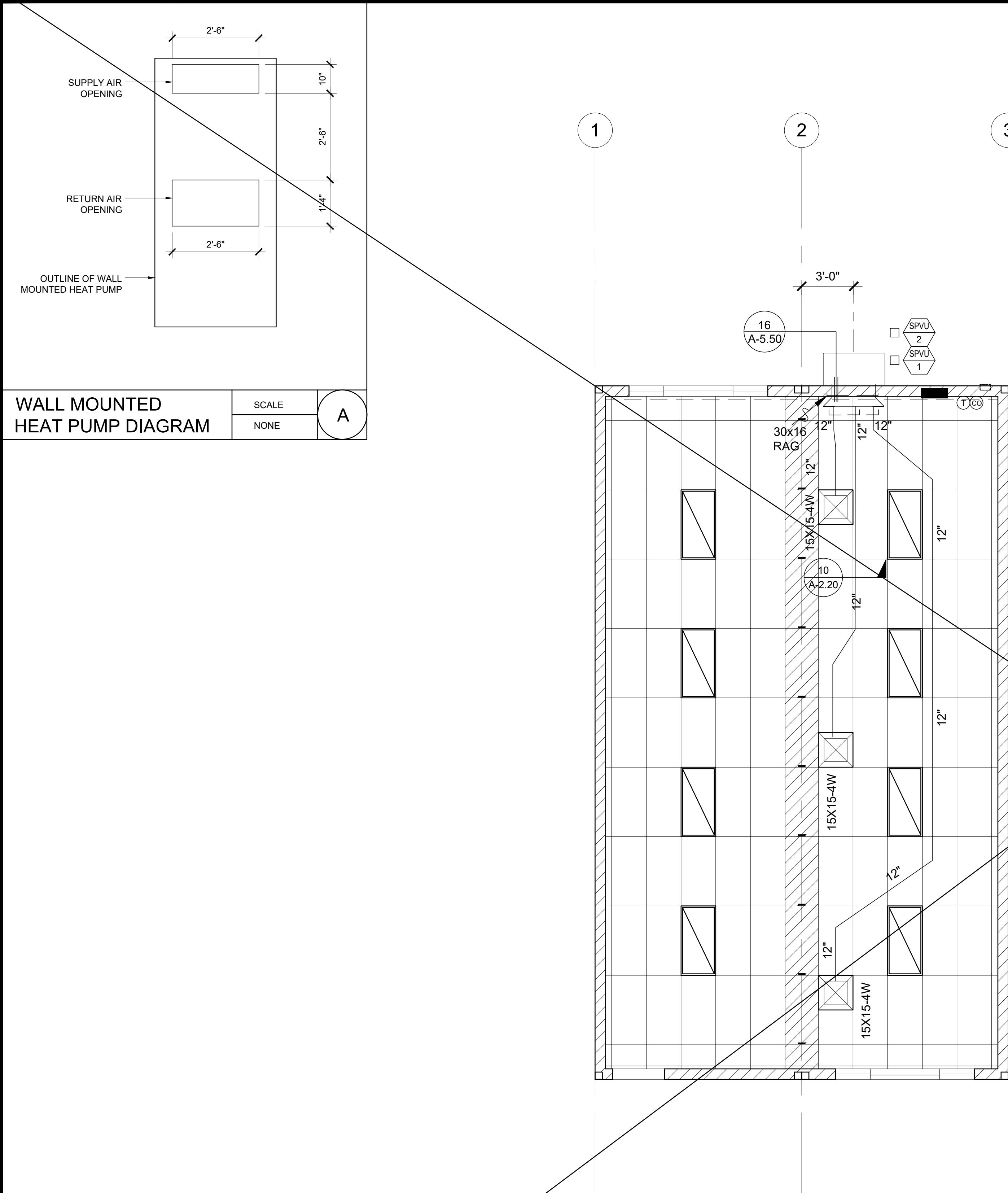
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

P-1.01



WALL MOUNTED HEAT PUMP DIAGRAM

SCALE: NONE

A

WALL MOUNTED MECHANICAL EQUIPMENT SCHEDULE			
	SPVU-1	SPVU-2	
HVAC Equipment	BARD	BARD	
Make and Model	#W60HC-A00VN	#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	11.4	11.0	
HSPF	NA	NA	
COP	3.3	3.3	
Voltage	230/208-1	230/208-1	
MCA	42	45	
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 #33ZCSPT02LCD-01 or EQUAL) ADJACENT TO THE THERMOSTAT MOUNTED AT + 48" AFF.

PROVIDE A HONEYWELL IADE CONTROL SYSTEM (or EQUAL) CAPABLE OF OUTPUTTING FDD ALARMS TO THE THERMOSTAT PER ENERGY CODE SECTION 120.2(i).

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.

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:

SHEET TITLE:

MECHANICAL PLAN
WALL MOUNT
24' x 40'

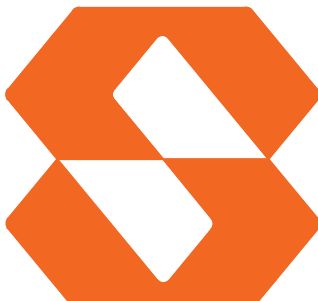
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PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

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:

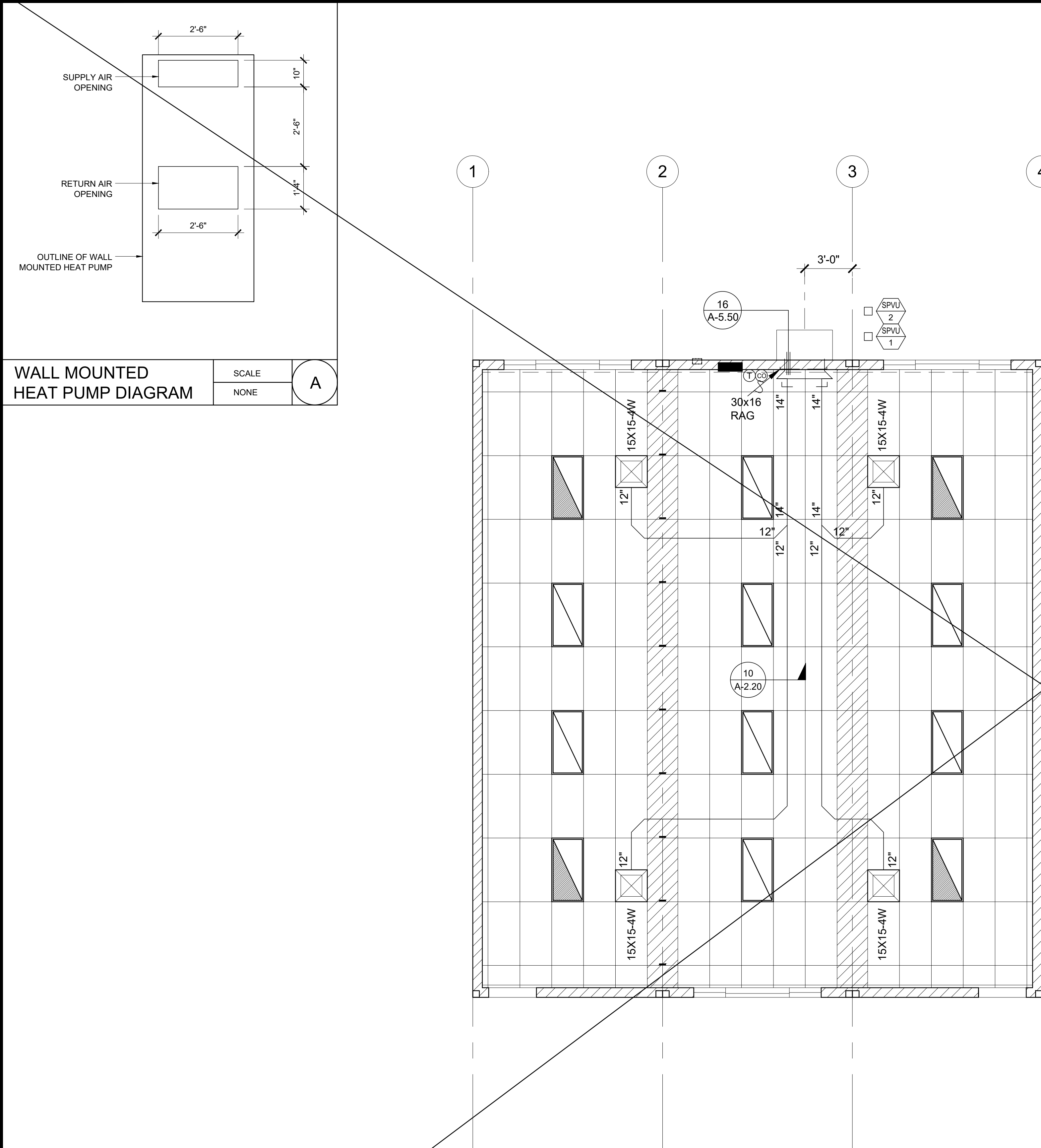
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

M-1.01



WALL MOUNTED HEAT PUMP DIAGRAM

SCALE
NONE

A

WALL MOUNTED MECHANICAL EQUIPMENT SCHEDULE			
	SPVU-1	SPVU-2	
HVAC Equipment Make and Model	BARD #W60HC-A00VN	BARD #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	NA	
EER	11.0	11.0	
HSPF	NA	NA	
COP	3.3	3.3	
Voltage	230/208-1	230/208-1	
MCA	42	45	
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	
Split-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 #332CSP02LCD-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(i).
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:

36' X 40' CLASSROOM
MINIMUM REQUIRED VENTILATION
ROOM AREA = 1,440 SF
REQUIRED VENTILATION RATE = 0.38 CFM / SF
REQUIRED OUTSIDE AIR VOLUME = 1,440 X 0.38 = 548 CFM

VENTILATION AS DESIGNED
BUILDING AREA = 1,440 SF
OCCUPANCY FOR EGRESS PURPOSES = 1,440 / 20 = 72 OCCUPANTS
EXPECTED # OF OCCUPANTS = 72 OCCUPANTS X 0.50 = 36 OCCUPANTS
REQUIRED VENTILATION RATE = 15 CFM / OCCUPANT
REQUIRED OUTSIDE AIR VOLUME = 36 X 15 = 540 CFM

NOTE:
THE DEMAND CONTROL VENTILATION SYSTEM SHALL NOT BE REQUIRED TO PROVIDE 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.

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

MECHANICAL PLAN
WALL MOUNT
36' x 40'

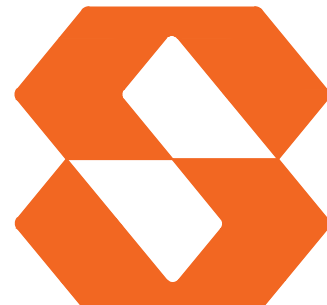
REVISIONS

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Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

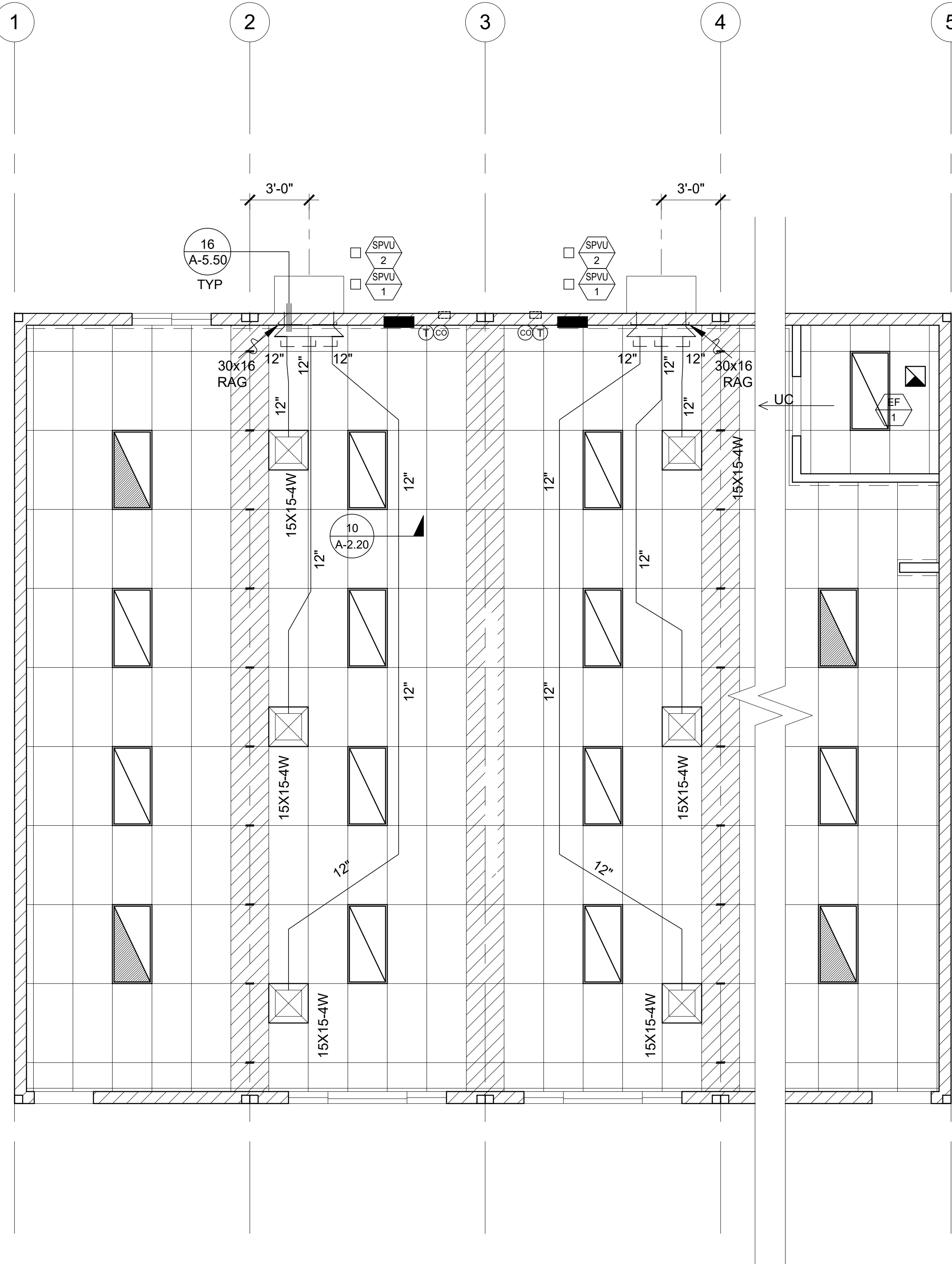
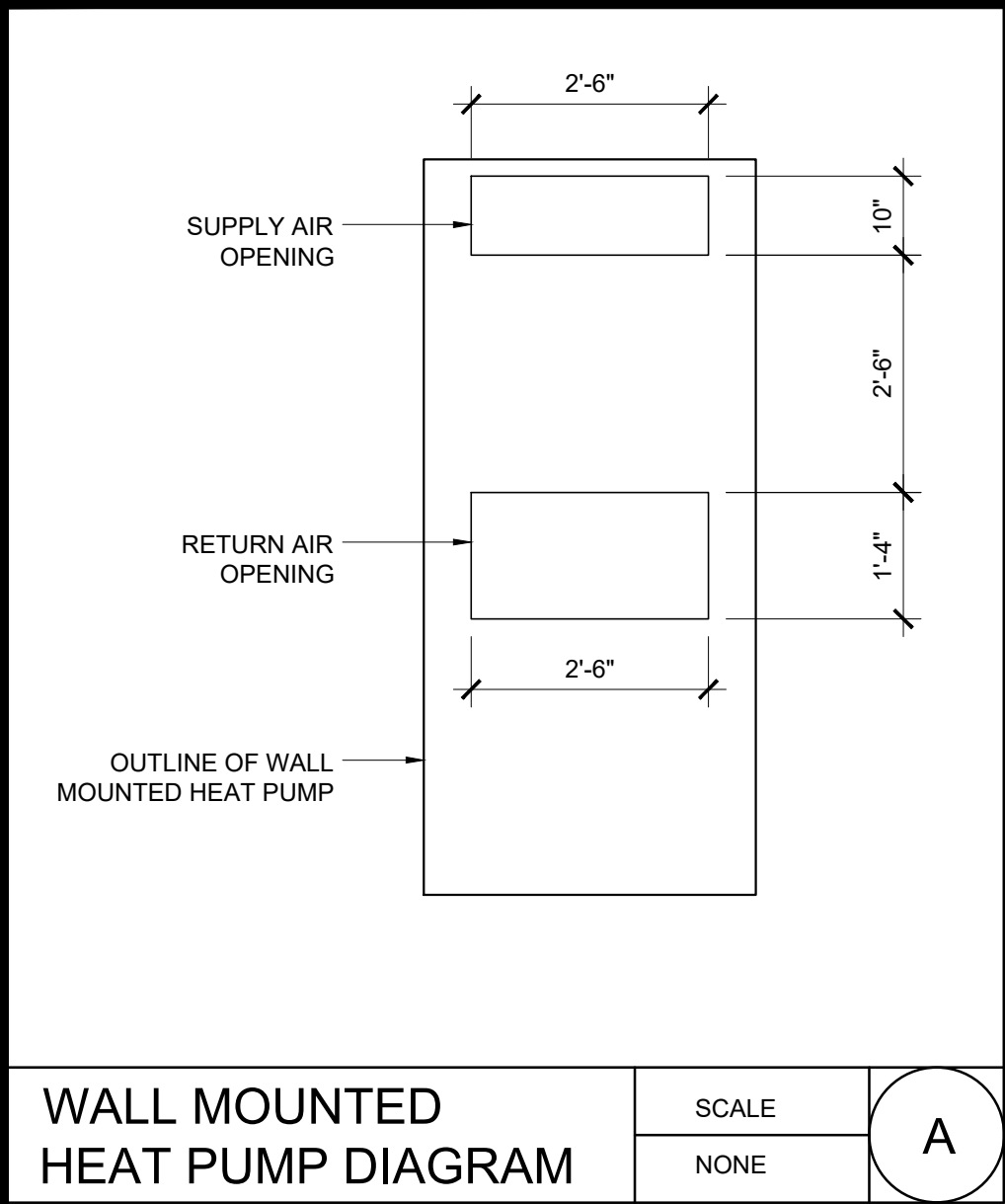
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

M-1.02



WALL MOUNTED MECHANICAL EQUIPMENT SCHEDULE			
	SPVU-1	SPVU-2	
HVAC Equipment	BARD	BARD	
Make and Model	#W60HC-A00VN	#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	NA	
EER	11.0	11.0	
HSPF	NA	NA	
COP	3.3	3.3	
Voltage	230/208-1	230/208-1	
MCA	42	45	
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 #33ZCSP02LCD-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 BARAMETRIC 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

36' X 40' CLASSROOM
MINIMUM REQUIRED VENTILATION
ROOM AREA = 1,440 SF
REQUIRED VENTILATION RATE = 0.38 CFM / SF
REQUIRED OUTSIDE AIR VOLUME = 1,440 X 0.38 = 548 CFM

VENTILATION AS DESIGNED
BUILDING AREA = 1,440 SF
OCCUPANCY FOR EGRESS PURPOSES = 1,440 / 20 = 72 OCCUPANTS
EXPECTED # OF OCCUPANTS = 72 OCCUPANTS X 0.50 = 36 OCCUPANTS
REQUIRED VENTILATION RATE = 15 CFM / OCCUPANT
REQUIRED OUTSIDE AIR VOLUME = 36 X 15 = 540 CFM

NOTE:
THE DEMAND CONTROL VENTILATION SYSTEM SHALL NOT BE REQUIRED TO PROVIDE 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.

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:

SHEET TITLE:

MECHANICAL PLAN
WALL MOUNT
48' TO 120' x 40'

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:

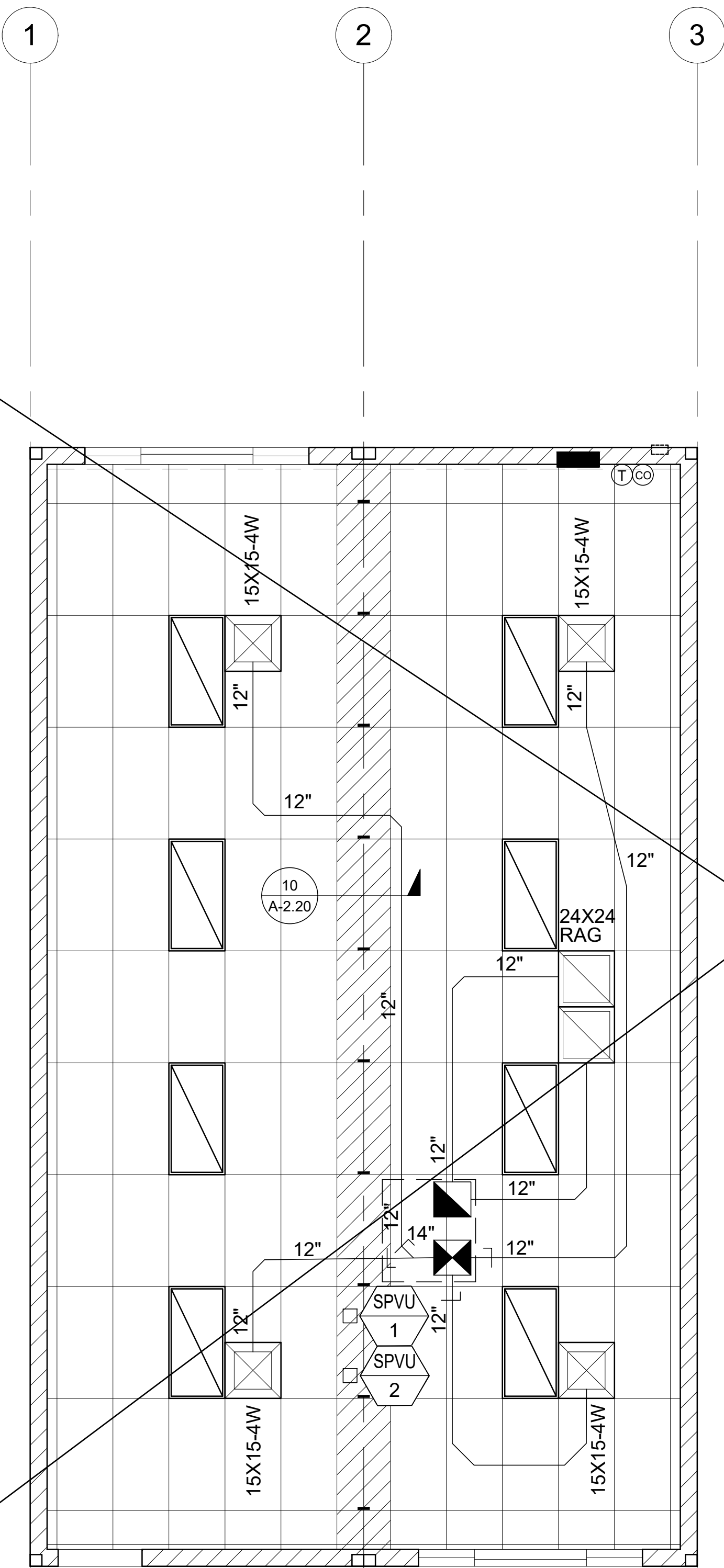
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

M-1.03



ROOF TOP MECHANICAL EQUIPMENT SCHEDULE			
	HP-1	HP-2	
HVAC Equipment	DAY & NIGHT	CARRIER	
Make and Model	#PHD46000K	#50VR-A60--30--	
Nominal Tonnage	5	5	
BTUH:			
Heating	57,500	57,000	
Cooling	57,500	57,000	
Indoor/Blower Fan:			
BHP/HP	1/1	0.80/1	
CFM	1,750	1,750	
Strip Heating	NA	NA	
SEER	14.0	15	
EER	12.5	12	
HSPF	8.0	8.5	
COP	3.7	3.5	
Voltage	230/208-1	230/208-1	
MCA	40	44.8	
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	CPECOMZ8007A00	ECD-SPPLBSA-D2DH	
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	590 #	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 #33ZCSPT02LCD-01 or EQUAL) ADJACENT TO THE THERMOSTAT MOUNTED AT + 48" AFF.
PROVIDE A HONEYWELL IAQE 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:
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NOTE:
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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:

SHEET TITLE:

MECHANICAL PLAN ROOF MOUNT 24' x 40'

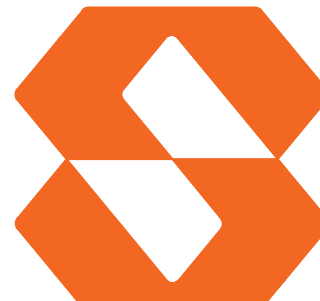
REVISIONS

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PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
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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:

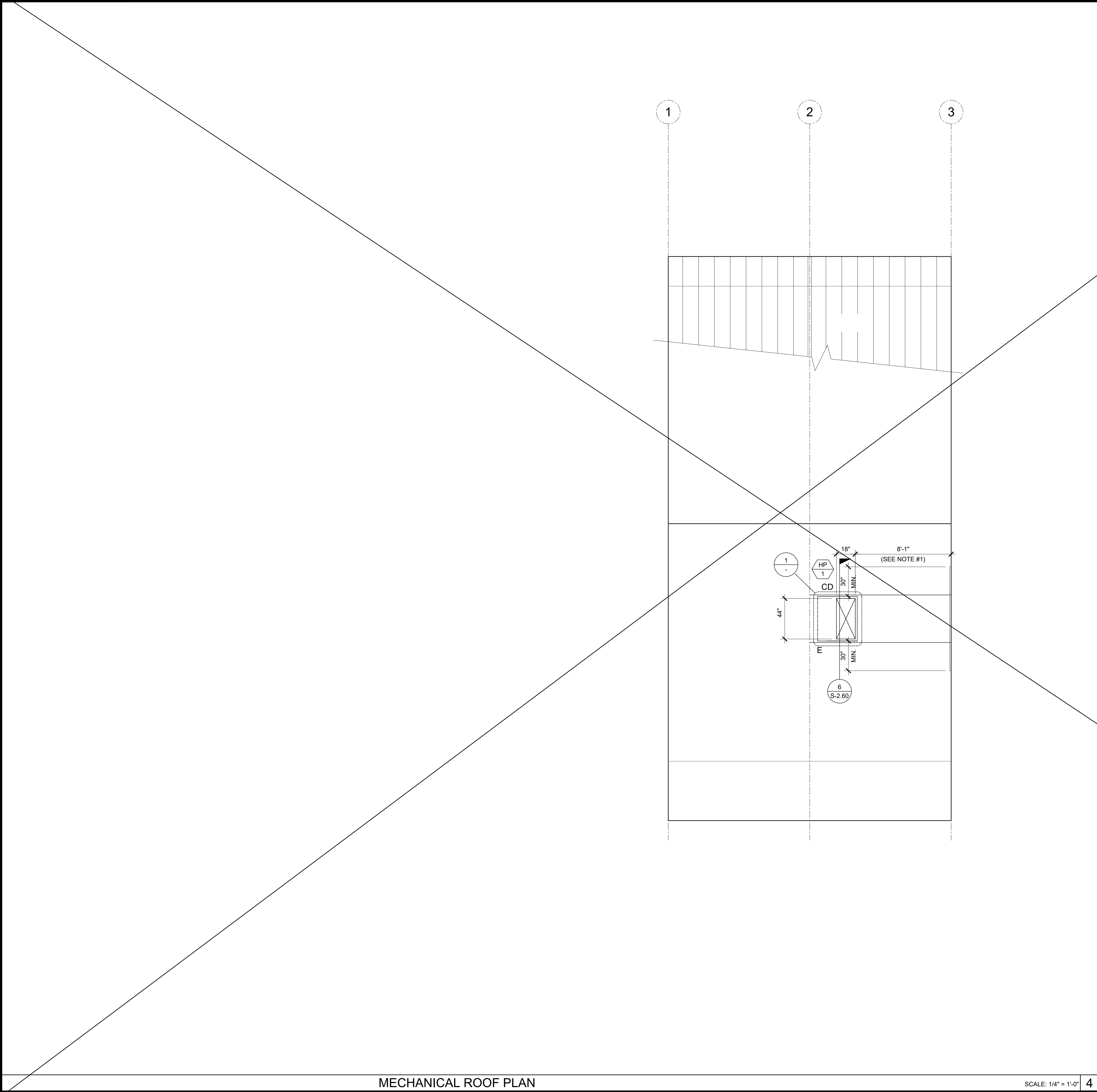
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

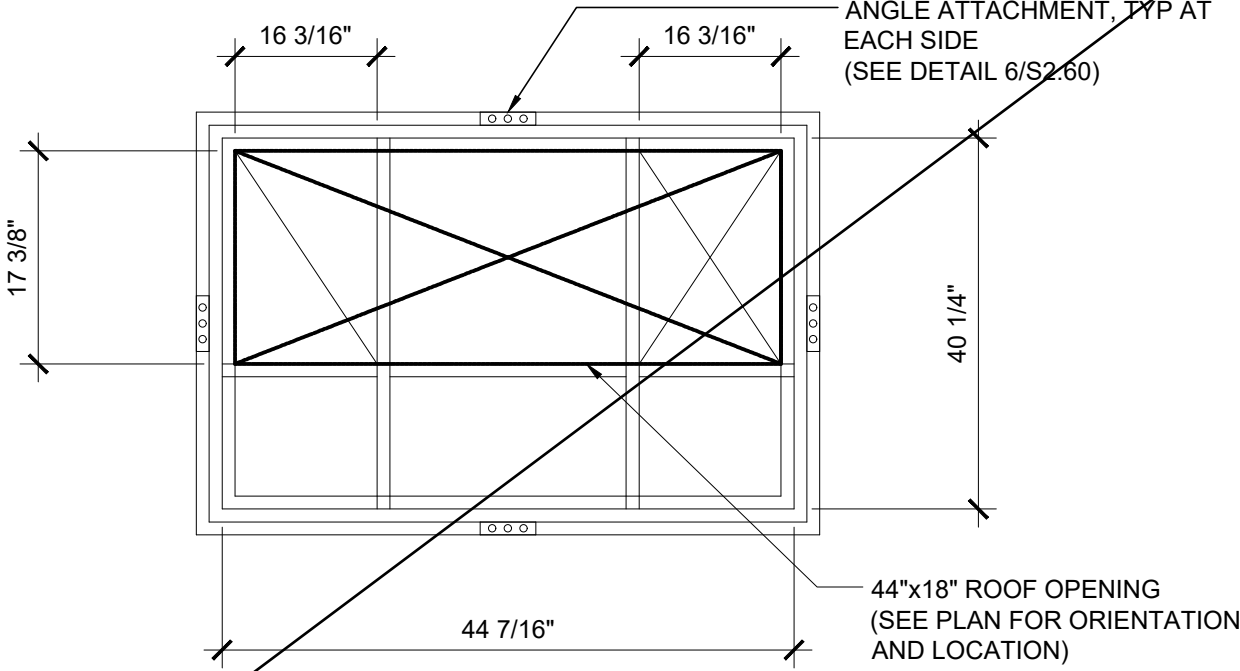
M-2.01



MECHANICAL ROOF PLAN

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

4



HEAT PUMP CURB PLAN VIEW

SCALE: NTS

1

- NOTE:
1. 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 PROVIDE A GUARDRAIL PER CBC 2022 SECTIONS 1015.6 & 1015.7. SEE ARCH ROOF PLAN

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

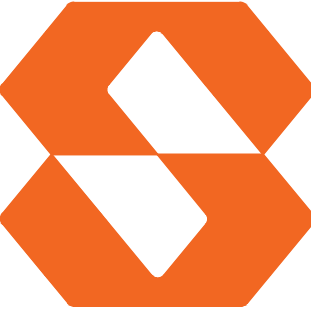
SHEET TITLE:
MECHANICAL ROOF PLAN
ROOF MOUNT
24' x 40'

REVISIONS


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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:

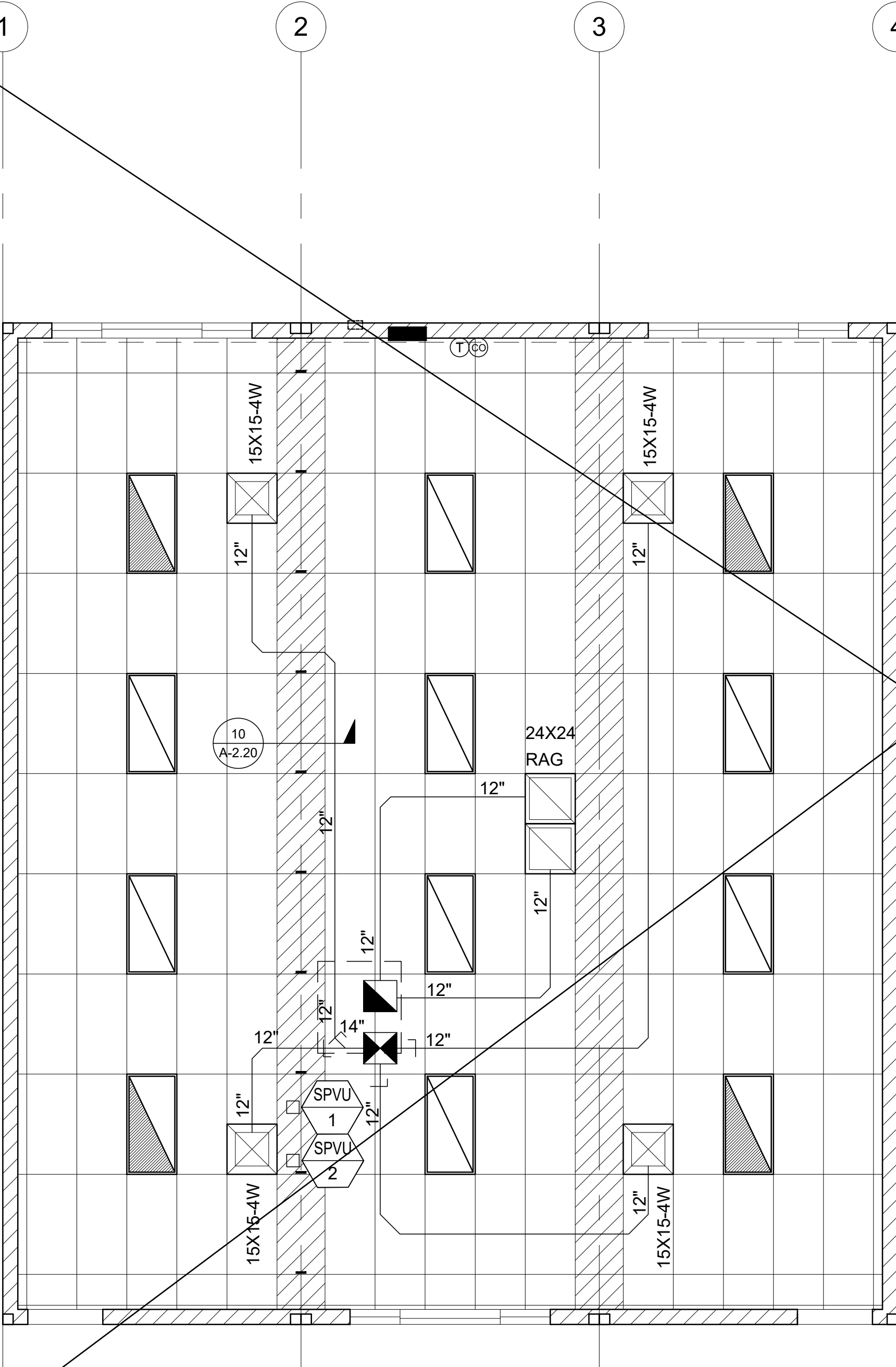
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

M-2.02



ROOF TOP MECHANICAL EQUIPMENT SCHEDULE			
	HP-1	HP-2	
HVAC Equipment Make and Model	DAY & NIGHT #PHD46000K	CARRIER #50VR-A60-30-	
Nominal Tonnage	5	5	
BTUH:			
Heating	57,500	57,000	
Cooling	57,500	57,000	
Indoor/Blower Fan:			
BHP/HP	1/1	0.80/1	
CFM	1,750	1,750	
Strip Heating	NA	NA	
SEER	14.0	15	
EER	11.5	12	
HSPF	8.0	8.5	
COP	3.7	3.5	
Voltage	230/208-1	230/208-1	
MCA	40	44.8	
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	
Controls:			
Make and Model	CPECOMZ8007A00	ECD-SPPLBSA-D3DH	
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	590 #	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 #332CSP102LCD-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 130.3(1)
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:
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VENTILATION CALCULATIONS:

36' X 40' CLASSROOM
MINIMUM REQUIRED VENTILATION
ROOM AREA = 1,440 SF
REQUIRED VENTILATION RATE = 0.38 CFM / SF
REQUIRED OUTSIDE AIR VOLUME = 1,440 X 0.38 = 548 CFM

VENTILATION AS DESIGNED
BUILDING AREA = 1,440 SF
OCCUPANCY FOR EGRESS PURPOSES = 1,440 / 20 = 72 OCCUPANTS
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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:

SHEET TITLE:

MECHANICAL PLAN
ROOF MOUNT
36' x 40'

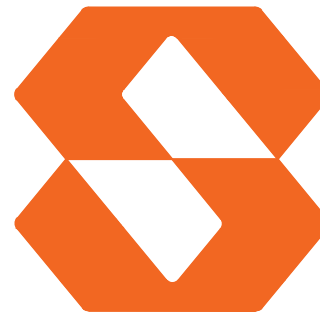
REVISIONS

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- 3
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- 5

PRE-CHECK (PC) DOCUMENT
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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:

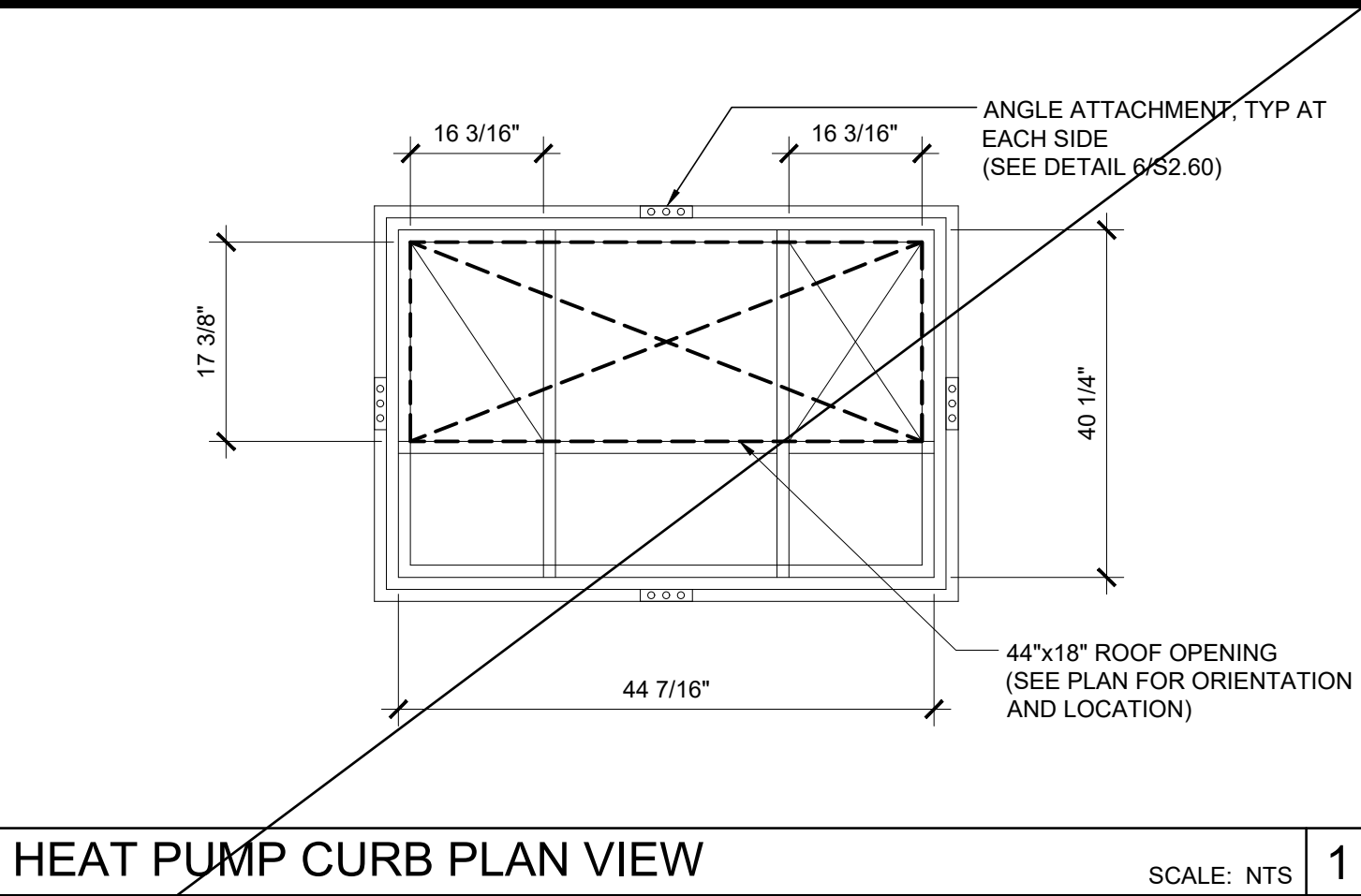
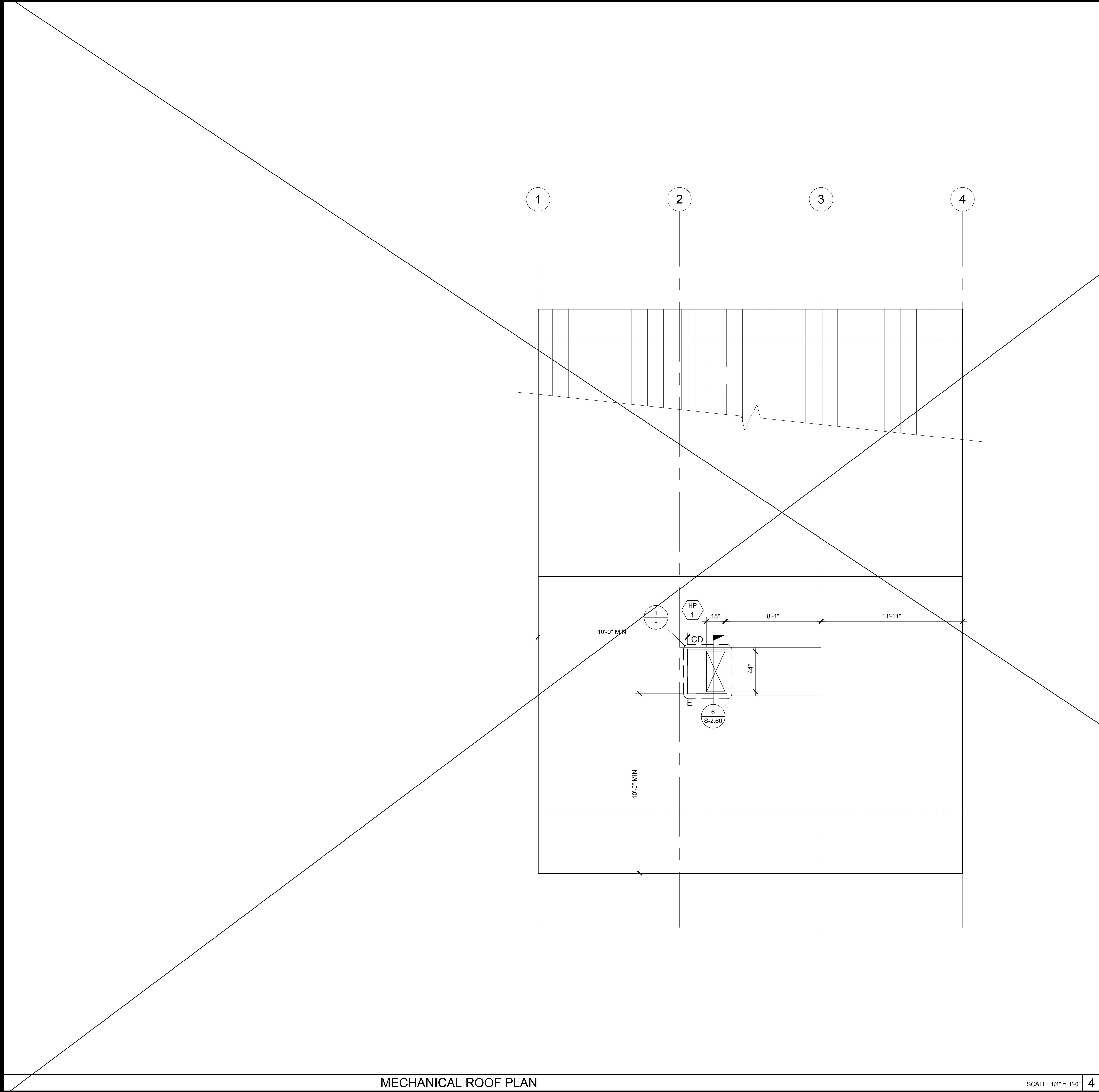
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

M-3.01



HEAT PUMP CURB PLAN VIEW

SCALE: NTS 1

NOTE:
1. 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 PROVIDE A GUARDRAIL PER CBC 2022 SECTIONS 1015.6 & 1015.7. SEE ARCH ROOF PLAN

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

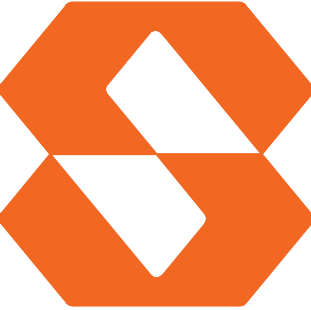
SHEET TITLE:
MECHANICAL ROOF PLAN
ROOF MOUNT
36' x 40'

REVISIONS


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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

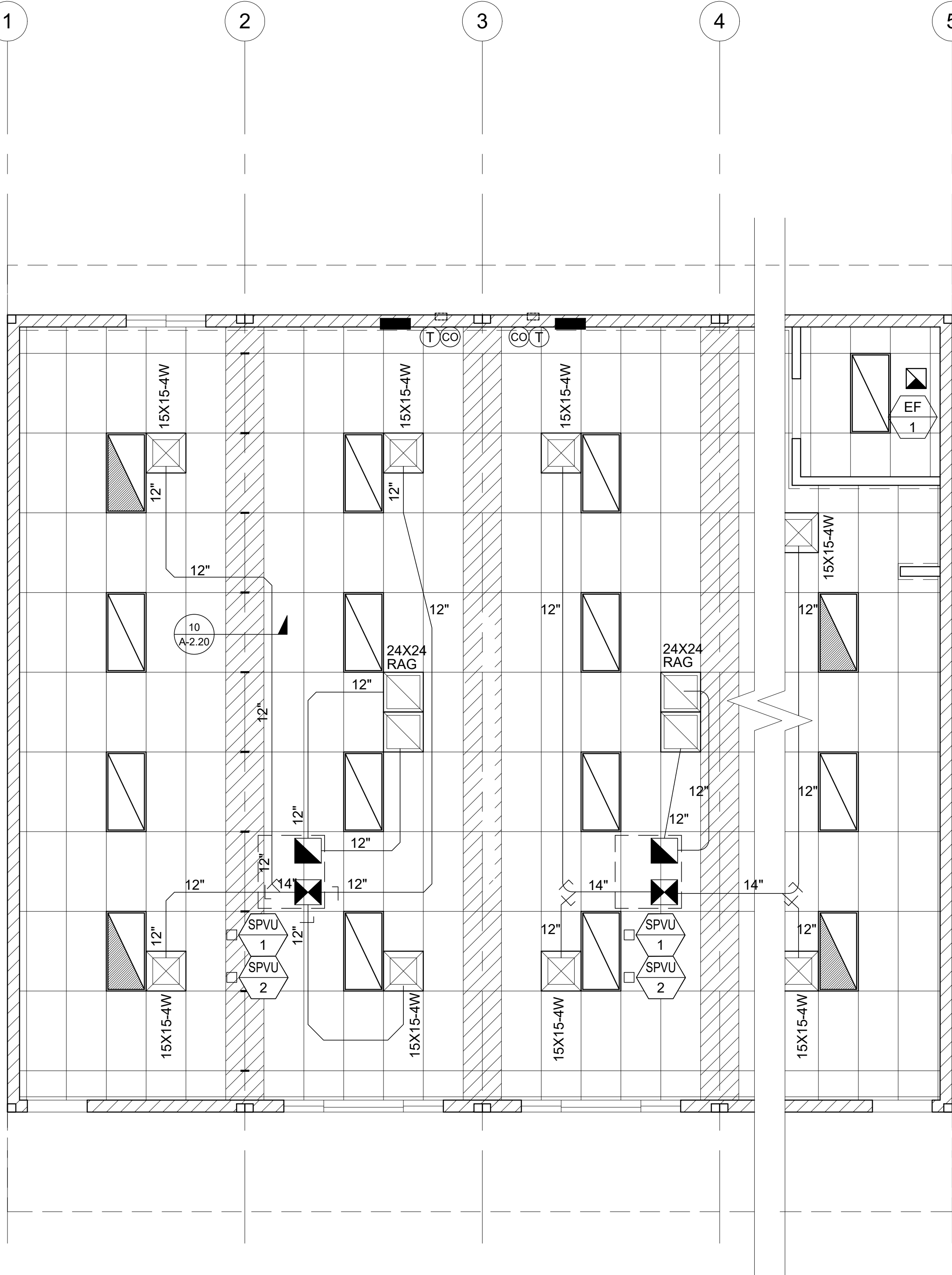
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

M-3.02



ROOF TOP MECHANICAL EQUIPMENT SCHEDULE			
	HP-1	HP-2	
HVAC Equipment	DAY & NIGHT	CARRIER	
Make and Model	#PHD46000K	#50VR-A60--30--	
Nominal Tonnage	5	5	
BTUH:			
Heating	57,500	57,000	
Cooling	57,500	57,000	
Indoor/Blower Fan:			
BHP/HP	1/1	0.80/1	
CFM	1,750	1,750	
Strip Heating	NA	NA	
SEER	14.0	15	
EER	11.5	12	
HSPF	8.0	8.5	
COP	3.7	3.5	
Voltage	230/208-1	230/208-1	
MCA	40	44.8	
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	CPECOMZ8007A00	ECD-SPPLBSA-D2DH	
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	590 #	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 #33ZCSPT02LCD-01 or EQUAL) ADJACENT TO THE THERMOSTAT MOUNTED AT + 48" AFF.
PROVIDE A HONEYWELL IAQE 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

36' X 40' CLASSROOM

MINIMUM REQUIRED VENTILATION
ROOM AREA = 1,440 SF
REQUIRED VENTILATION RATE = 0.38 CFM / SF
REQUIRED OUTSIDE AIR VOLUME = 1,440 X 0.38 = 548 CFM

VENTILATION AS DESIGNED
BUILDING AREA = 1,440 SF
OCCUPANCY FOR EGRESS PURPOSES = 1,440 / 20 = 72 OCCUPANTS
EXPECTED # OF OCCUPANTS = 72 OCCUPANTS X 0.50 = 36 OCCUPANTS
REQUIRED VENTILATION RATE = 15 CFM / OCCUPANT
REQUIRED OUTSIDE AIR VOLUME = 36 X 15 = 540 CFM

NOTE:
THE DEMAND CONTROL VENTILATION SYSTEM SHALL NOT BE REQUIRED TO PROVIDE 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.

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:

SHEET TITLE:

MECHANICAL PLAN
ROOF MOUNT
48' TO 120' x 40'

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:

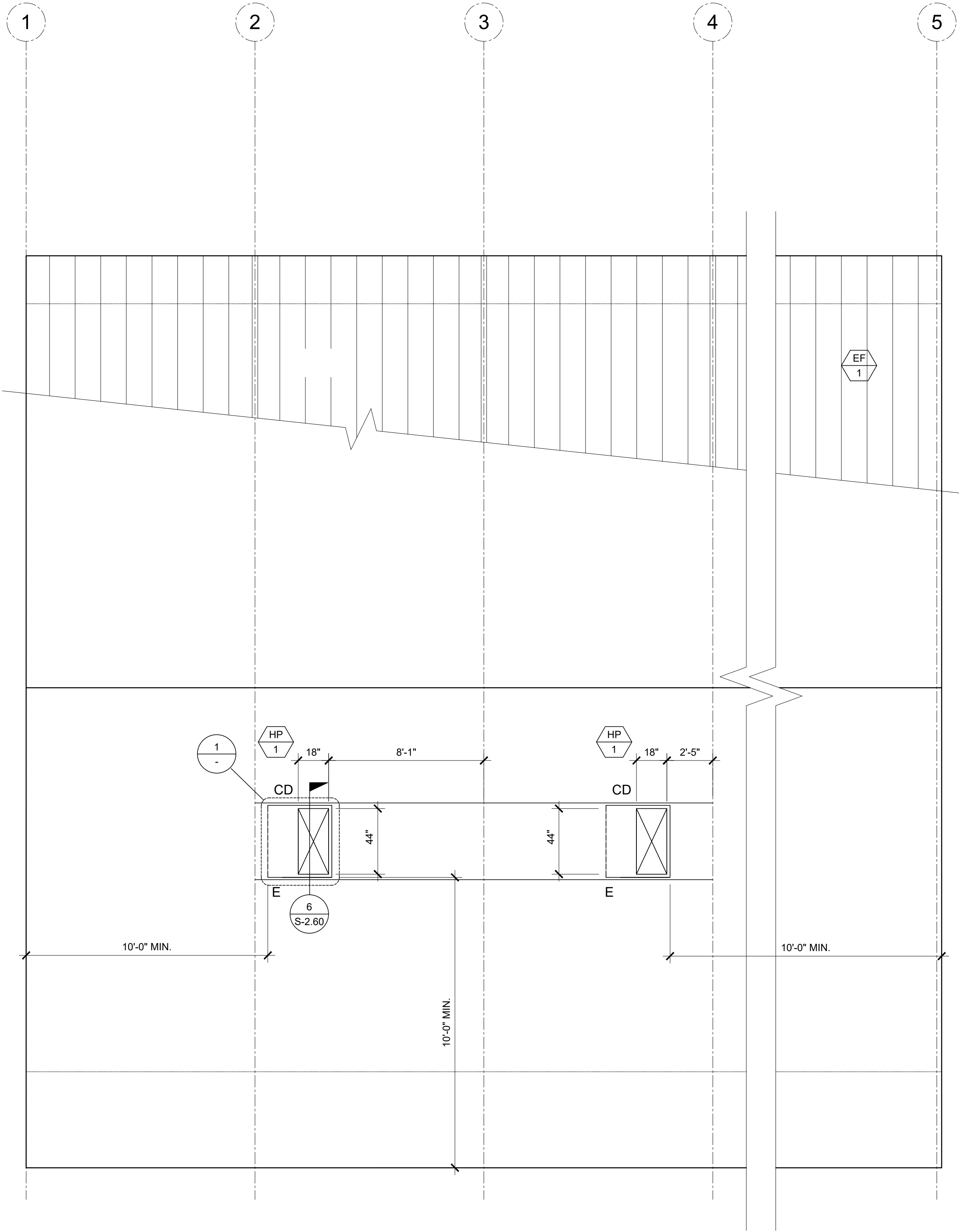
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

M-4.01



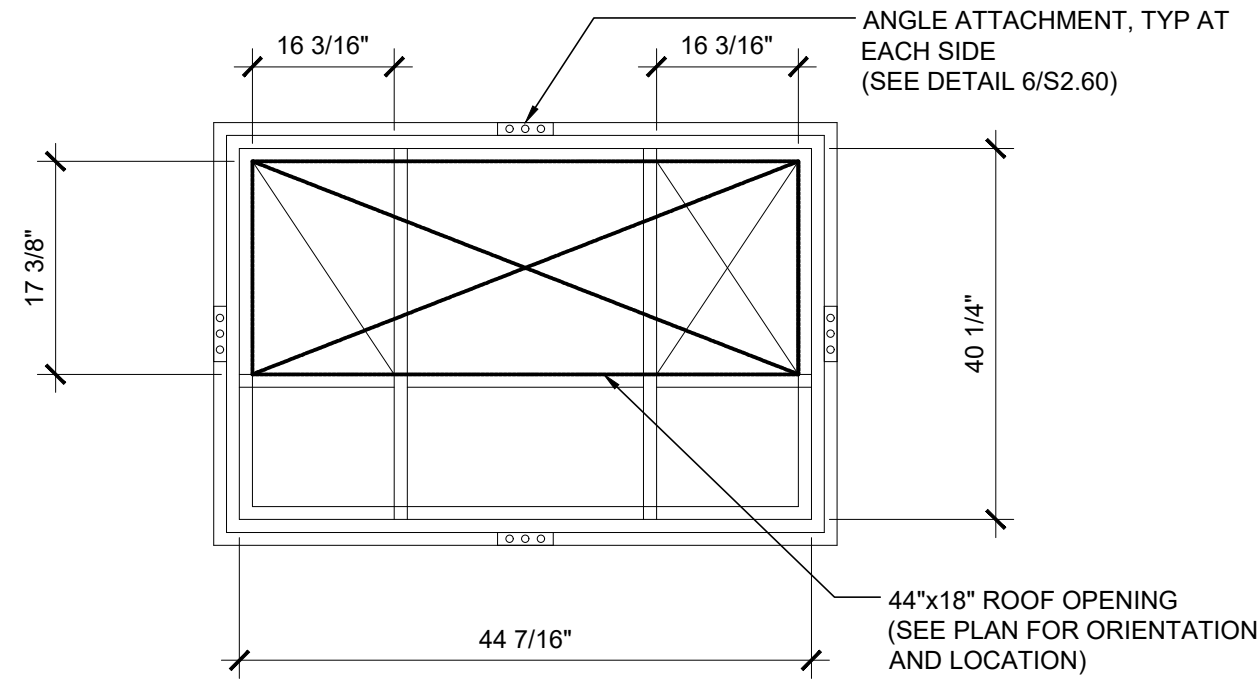
MECHANICAL ROOF PLAN

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

HEAT PUMP CURB PLAN VIEW

SCALE: NTS 1

- NOTE:
1. 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 PROVIDE A GUARDRAIL PER CBC 2022 SECTIONS 1015.6 & 1015.7. SEE ARCH ROOF PLAN



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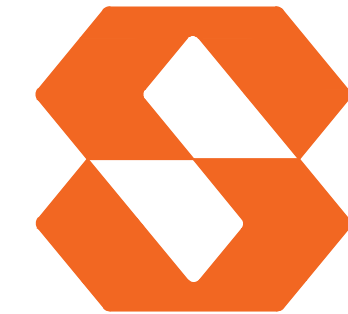
MECHANICAL ROOF PLAN ROOF MOUNT 48' TO 120" x 40'

REVISIONS
1
2
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Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

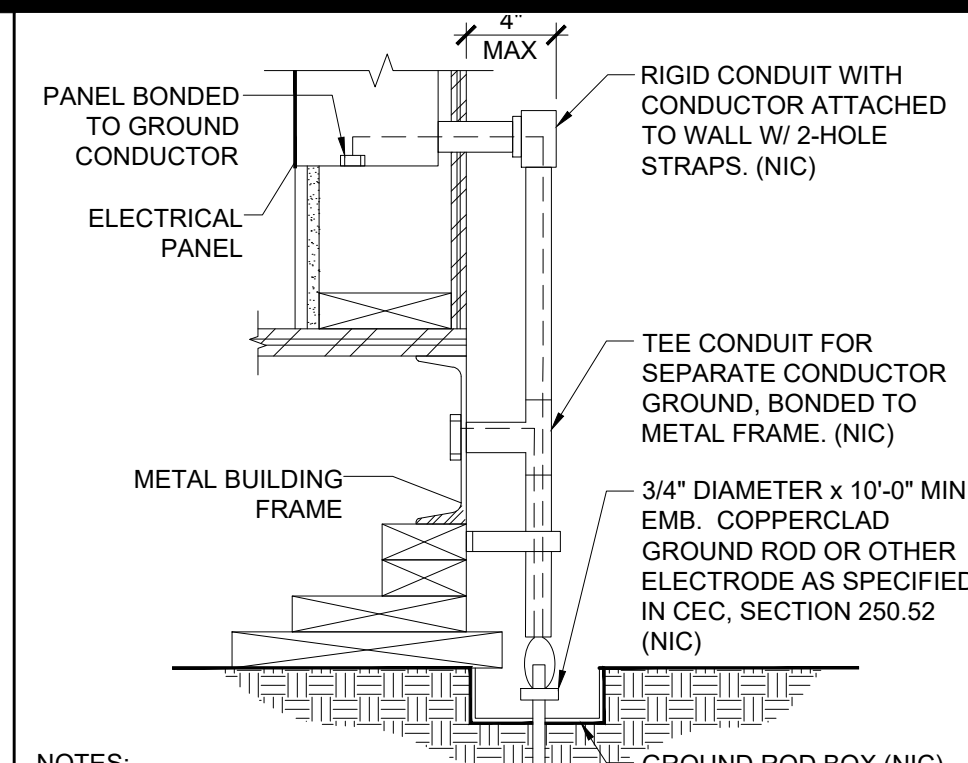
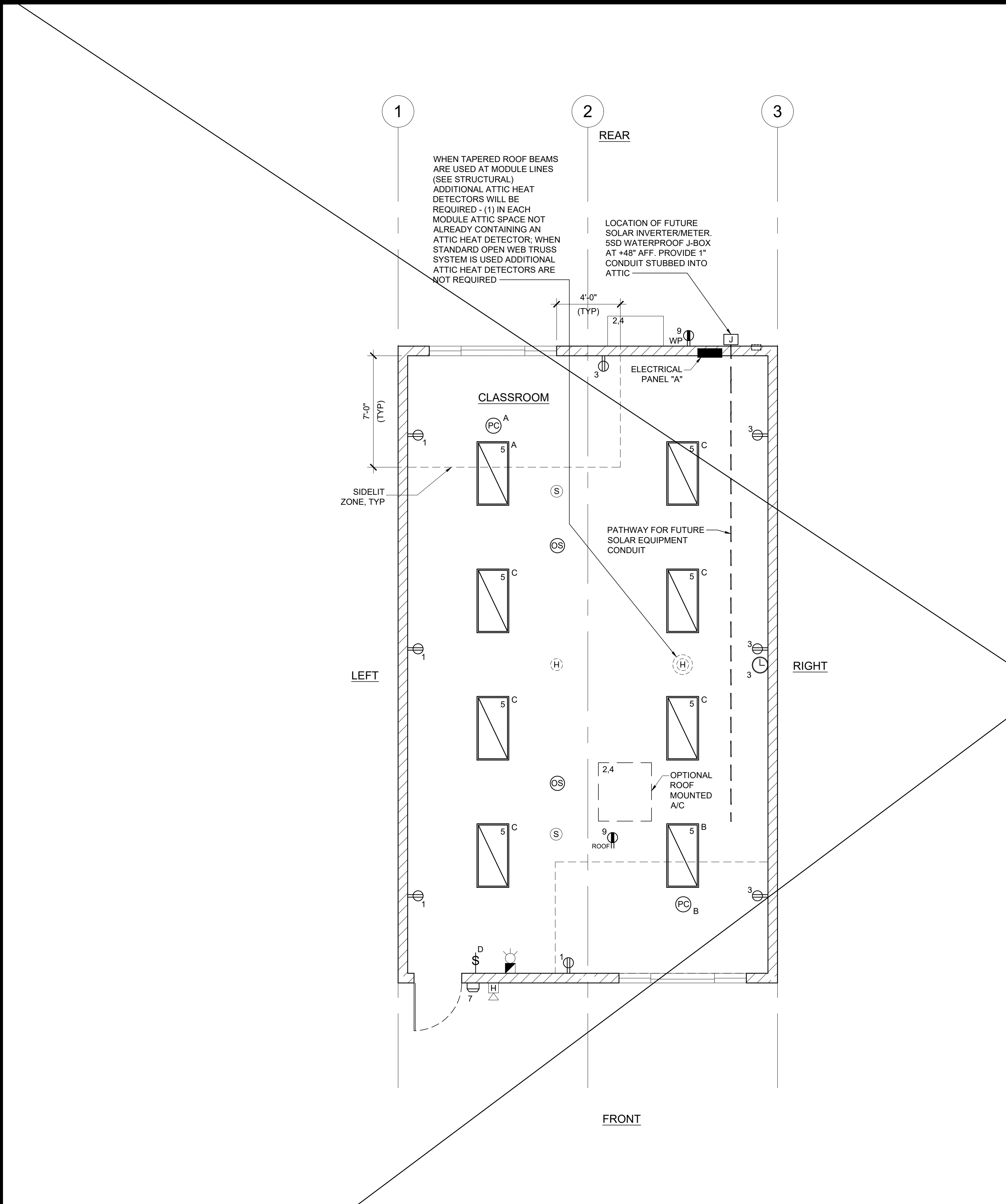
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SCALE: AS NOTED

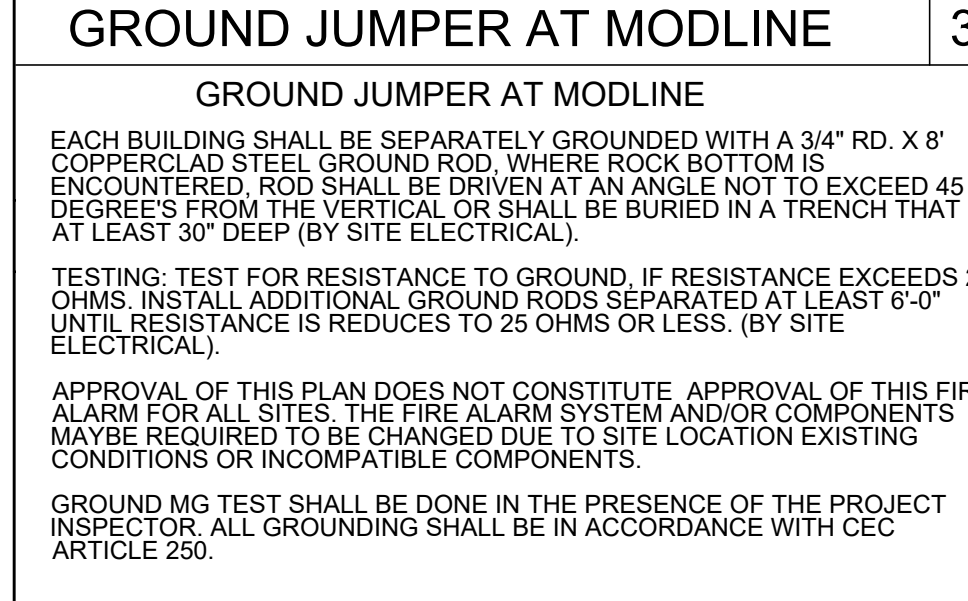
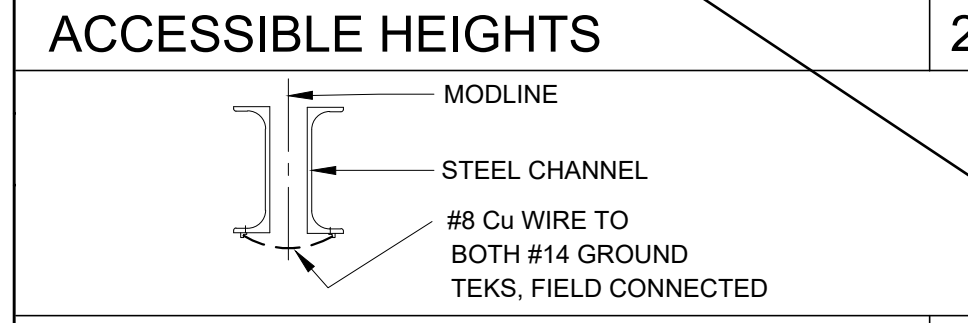
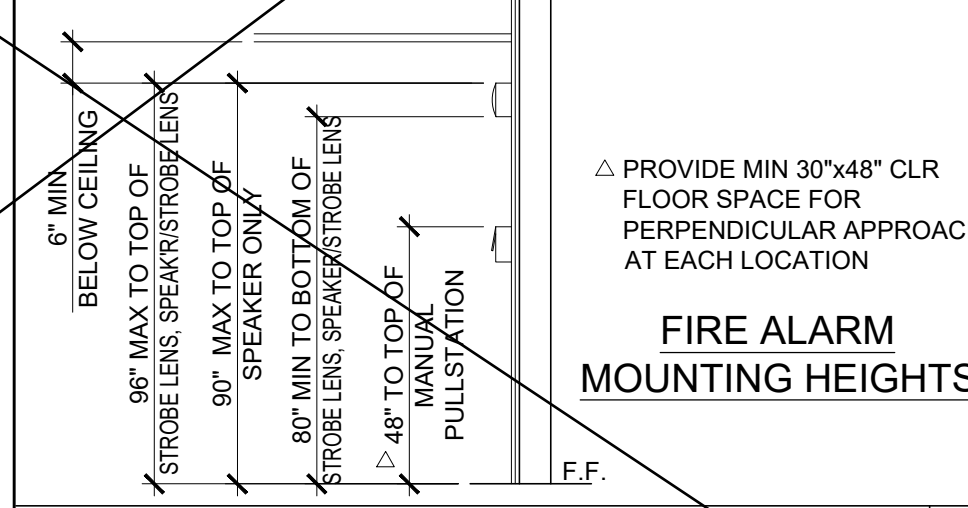
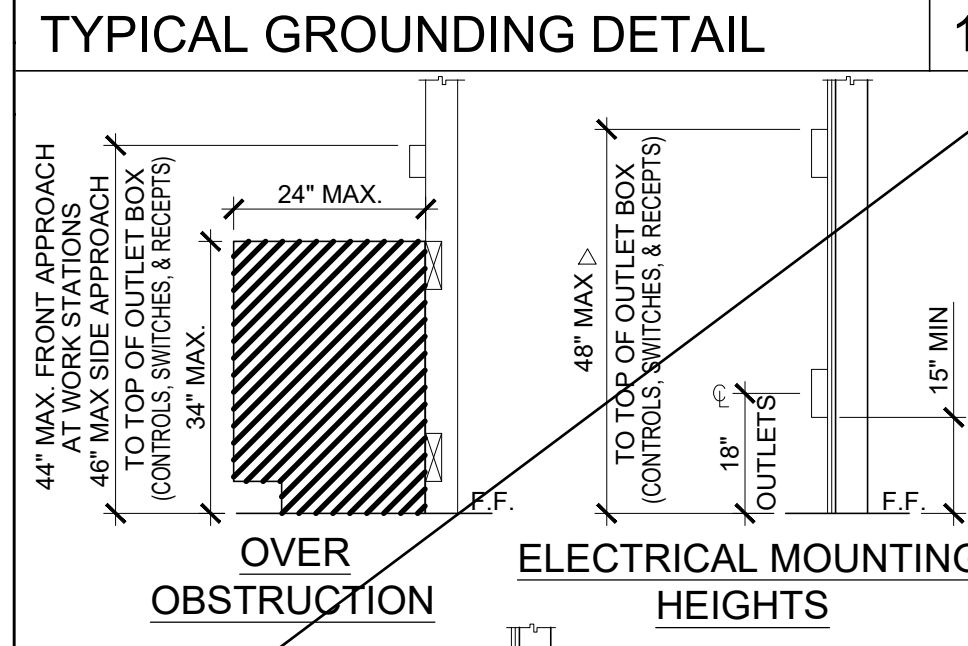
DATE: 02-27-2023

P.C. SHEET NUMBER

M-4.02



- NOTES:
1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66
 2. ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.
 3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELEC. 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)
 4. ALL MODULES OF METAL FRAME BLDGS. SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). BONDING SHALL INCLUDE METAL RAMP.
 5. 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).



- FIRE ALARM NOTES
1. SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES PROVIDED AND INTERCONNECTED BY OTHERS TO FIRE ALARM SYSTEM
 2. 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:
1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
 2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
 3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 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:

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

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

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.

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

SEQUENCE:

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

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

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

LIGHTING CONTROL SYSTEM SEQUENCE OF OPERATIONS

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.

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.

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
- KEYED SWITCH MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- DUPLEX (WALL MOUNTED) RECEPTACLE 15A - 125V - 3 WIRE. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF DEVICE
- EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24" AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)
- GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS
- ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE
- EXTERIOR LED LIGHT FIXTURE W/ 90 MIN. EMERGENCY BATTERY BACKUP WHEN 'EM' IS DESIGNATED NEXT TO FIXTURE W/ PHOTOCELL W/ 30w MAX. MOUNT AT +93" AFF
- CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE
- EXIT SIGN WITH 90 MIN. BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS. CLASSROOMS WITH ONE EXTERIOR DOOR - OPTIONAL)
- 4SD J-BOX FOR FIRE ALARM PULL STATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF OUTLET BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULL STRING
- 4SD J-BOX FOR FIRE ALARM STROBE OR VOICE EVAC SPEAKER (DEVICE BY OTHERS). BOTTOM OF LENS SHALL BE BETWEEN 80" AND 96" AFF AND WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULL STRING
- 4SD J-BOX FOR EXTERIOR FIRE ALARM SPEAKER (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULL STRING
- RECESSED 4SD J-BOX W/ COVER PLATE FOR FUTURE FIRE ALARM SYSTEM (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.

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

ELECTRICAL PLAN AND SCHEDULE 24' x 40'

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. STARLIN STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES 24' x 40' PC

PROJECT NO:

DRAWN BY: SCALE: AS NOTED

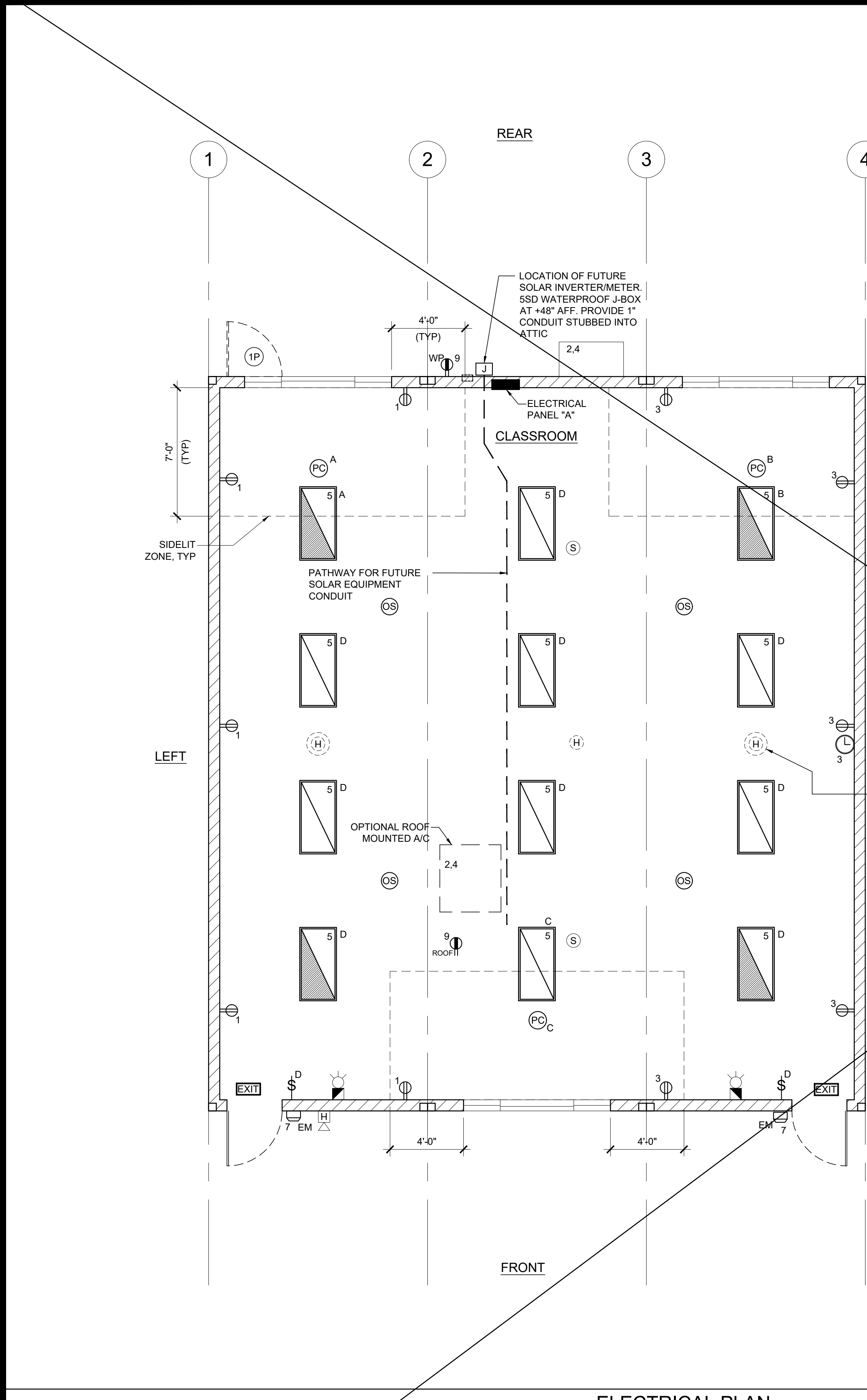
DATE: 02-27-2023

P.C. SHEET NUMBER

E-1.01

ELECTRICAL PANEL											
VOLTS: 120/208 V			PANEL: WALL MOUNTED HVAC			FEED: REAR			VOLTS: 120/208 V		
MAIN: 100 A			LOCATION: INTERIOR ACCESS			MOUNTING: FLUSH			MAIN: 100 A		
LOAD	QTY	WATTS		BREAKER	Circuit	A	B	Circuit	BREAKER	Circuit	LOAD
		AØ	BØ								
RECEPTACLES	4	720	20	1	1	2	60	2	4830	1	HVAC - WALL MOUNT
RECEPTACLES/CLOCK	5	900	20	1	3	4	-	-	4830	-	-
INTERIOR LIGHTING	8	960	20	1	5	6	-	-	-	-	-
EXTERIOR LIGHTING	1	40	20	1	7	8	-	-	-	-	-
WALL RECEPTACLE (GFI)	1	180	20	1	9	10	20	1	40	-	FIRE ALARM CONTROL PANEL (FIRE ALARM NOTE #2)
DED - SOLAR READY	-	-	-	-	-	11	-	-	-	-	DED - SOLAR READY
DED - SOLAR READY	-	-	-	-	-	13	-	-	-	-	DED - SOLAR READY
A = 6600	WATTS / PHASE	1860	940	-	-	-	-	-	4830	4870	B = 5810
TOTAL = 12,500		WATTS	61	AMPS	120/208	VOLTS	1 Ø	3	WIRE		

ELECTRICAL PANEL											
VOLTS: 120/208 V			PANEL: "A" ROOF MOUNTED HVAC			FEED: REAR			VOLTS: 120/208 V		
MAIN: 100 A			LOCATION: INTERIOR ACCESS			MOUNTING: RECESSED			MAIN: 100 A		
LOAD	QTY	WATTS		BREAKER	Circuit	A	B	Circuit	BREAKER	Circuit	LOAD
		AØ	BØ								
RECEPTACLES	4	720	20	1	1	2	60	2	4542	1	HVAC - ROOF MOUNT
RECEPTACLES/CLOCK	5	900	20	1	3	4	-	-	4542	-	-
INTERIOR LIGHTING	8	960	20	1	5	6	-	-	-	-	-
EXTERIOR LIGHTING	1	40	20	1	7	8	-	-	-	-	-
ROOF RECEPTACLE (GFI)	1	180	20	1	9	10	20	1	40	-	FIRE ALARM CONTROL PANEL (FIRE ALARM NOTE #2)
DED - SOLAR READY	-	-	-	-	-	11	-	-	-	-	DED - SOLAR READY
DED - SOLAR READY	-	-	-	-	-	13	-	-	-	-	DED - SOLAR READY
A = 6402	WATTS / PHASE	1860	940	-	-	-	-	-	4542	4582	B = 5522
TOTAL = 11,924		WATTS	57	AMPS	120/208	VOLTS	1 Ø	3	WIRE		



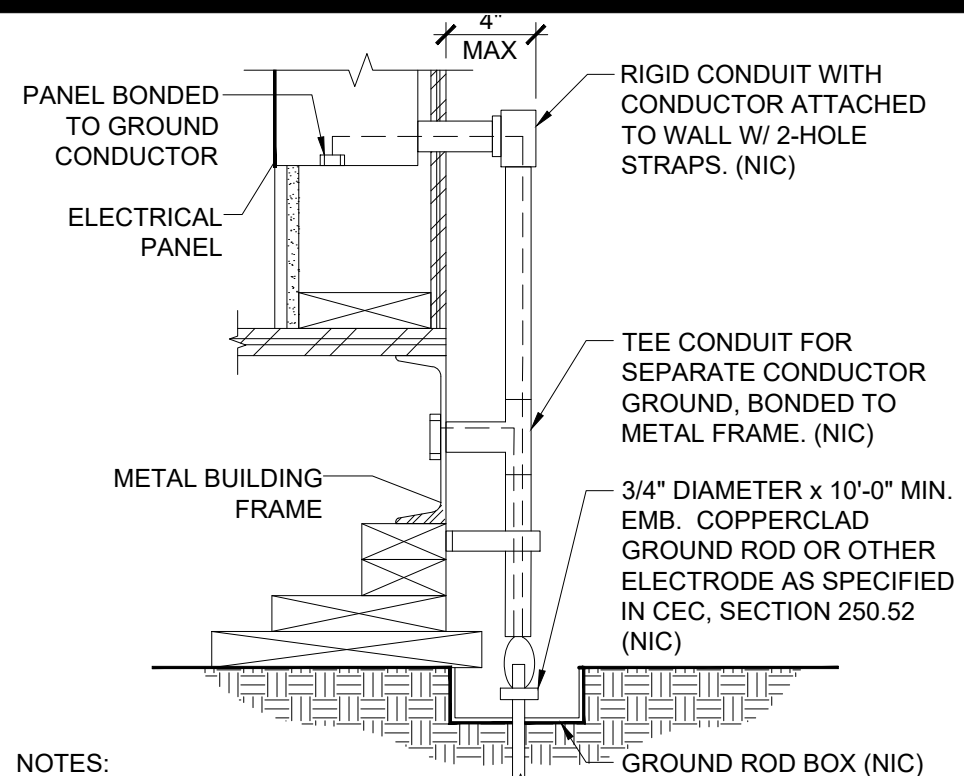
WHEN TAPERED ROOF BEAMS ARE USED AT MODULE LINES (SEE STRUCTURAL), ADDITIONAL ATTIC HEAT DETECTORS WILL BE REQUIRED - (1) IN EACH MODULE ATTIC SPACE NOT ALREADY CONTAINING AN ATTIC HEAT DETECTOR. WHEN STANDARD OPEN WEB TRUSS SYSTEM IS USED ADDITIONAL ATTIC HEAT DETECTORS ARE NOT REQUIRED

ELECTRICAL PLAN

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

ELECTRICAL PANEL											
VOLTS: 120/208 V			PANEL: WALL MOUNTED HVAC			FEED: REAR			VOLTS: 120/208 V		
MAIN: 100 A			LOCATION: INTERIOR ACCESS			MOUNTING: FLUSH			MAIN: 100 A		
LOAD	QTY	WATTS		BREAKER	Amps	P	Circuit	BREAKER	Amps	P	WATTS
		AØ	BØ								
RECEPTACLES	4	720		20	1	1	2	60	2	4830	1
RECEPTACLES/CLOCK	5		900	20	1	3	4	-	-		4830
INTERIOR LIGHTING	8	960		20	1	5	6				
EXTERIOR LIGHTING	1		40	20	1	7	8				
WALL RECEPTACLE (GFI)	1	180		20	1	9	10	20	1		40
DED - SOLAR READY							11				
DED - SOLAR READY							13				
A = 6600	WATTS / PHASE		1860	940						4830	4870
TOTAL = 12,500		WATTS		61	AMPS	120/208	VOLTS	1 Ø		3 WIRE	

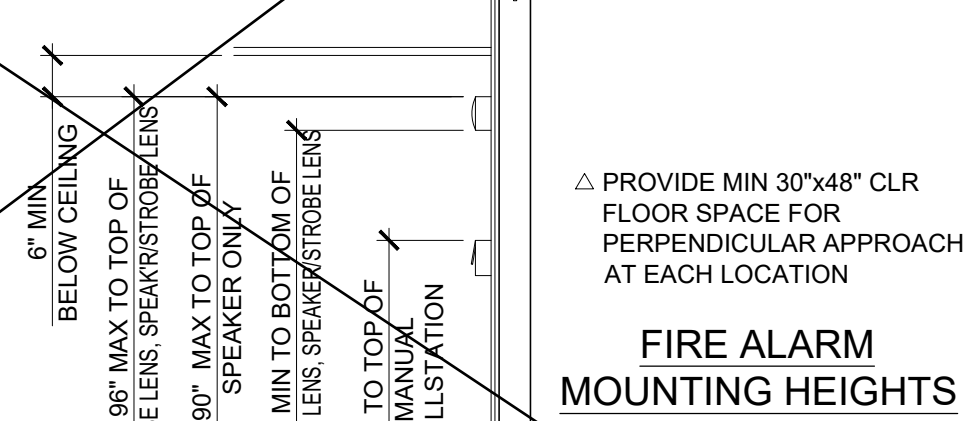
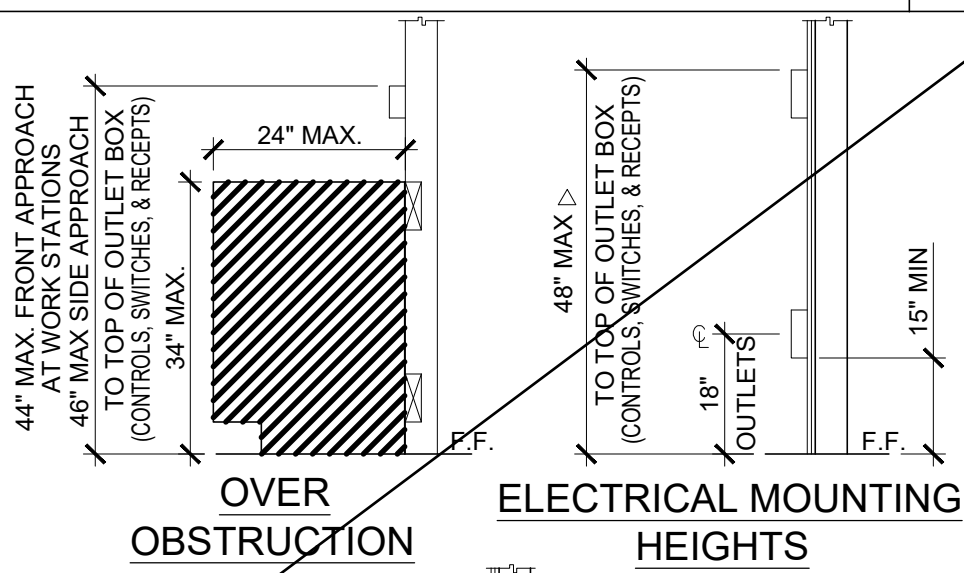
ELECTRICAL PANEL											
VOLTS: 120/208 V			PANEL: "A" ROOF MOUNTED HVAC			FEED: REAR			VOLTS: 120/208 V		
MAIN: 100 A			LOCATION: INTERIOR ACCESS			MOUNTING: RECESSED			MAIN: 100 A		
LOAD	QTY	WATTS		BREAKER	Amps	P	Circuit	BREAKER	Amps	P	WATTS
		AØ	BØ								
RECEPTACLES	4	720		20	1	1	2	60	2	4542	1
RECEPTACLES/CLOCK	5		900	20	1	3	4	-	-		4542
INTERIOR LIGHTING	8	960		20	1	5	6				
EXTERIOR LIGHTING	1		40	20	1	7	8				
ROOF RECEPTACLE (GFI)	1	180		20	1	9	10	20	1		40
DED - SOLAR READY							11				
DED - SOLAR READY							13				
A = 6402	WATTS / PHASE		1860	940						4542	4582
TOTAL = 11,924		WATTS		57	AMPS	120/208	VOLTS	1 Ø		3 WIRE	



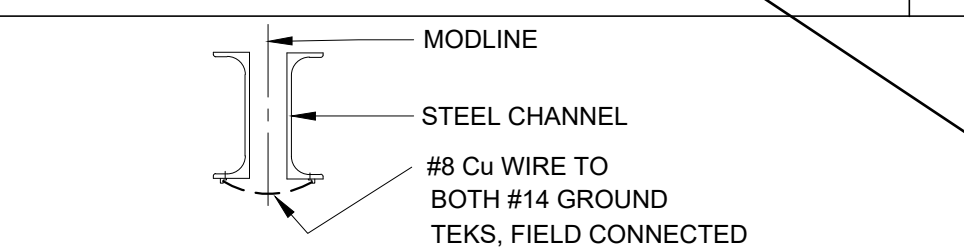
NOTES:

- 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 ELEC. 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).

TYPICAL GROUNDING DETAIL



ACCESSIBLE HEIGHTS



GROUND JUMPER AT MODLINE

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 ENCOUNTERED. 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 REDUCED 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 MAY BE 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 DIM/BRIGHTEN BASED ON DAYLIGHT AVAILABILITY. OCCUPANT MAY MANUALLY DIM/BRIGHTEN THE LIGHTS WITH WALL CONTROL.
OCCUPANT EXITS:
ALL LIGHTS AUTOMATICALLY TURN OFF 15 MINUTES AFTER VACANCY.

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(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
#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
6SD	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
- KEYED SWITCH MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- DUPLEX (WALL MOUNTED) RECEPTACLE 15A - 125V - 3 WIRE. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF DEVICE
- EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24" AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)
- GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS
- ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE
- EXTERIOR LED LIGHT FIXTURE W/ 90 MIN. EMERGENCY BATTERY BACKUP WHEN 'EM' IS DESIGNATED NEXT TO FIXTURE W/ PHOTOCELL W/ 30w MAX. MOUNT AT +93" AFF
- CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE
- EXIT SIGN WITH 90 MIN. BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS. CLASSROOMS WITH ONE EXTERIOR DOOR - OPTIONAL)
- 4SD J-BOX FOR FIRE ALARM PULL STATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF OUTLET BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULL STRING
- 4SD J-BOX FOR FIRE ALARM STROBE OR VOICE EVAC SPEAKER (DEVICE BY OTHERS). BOTTOM OF LENS SHALL BE BETWEEN 80" AND 96" AFF AND WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULL STRING
- 4SD J-BOX FOR EXTERIOR FIRE ALARM SPEAKER (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULL STRING
- RECESSED 4SD J-BOX W/ COVER PLATE FOR FUTURE FIRE ALARM SYSTEM (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 IN 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.

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.

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:

SHEET TITLE:

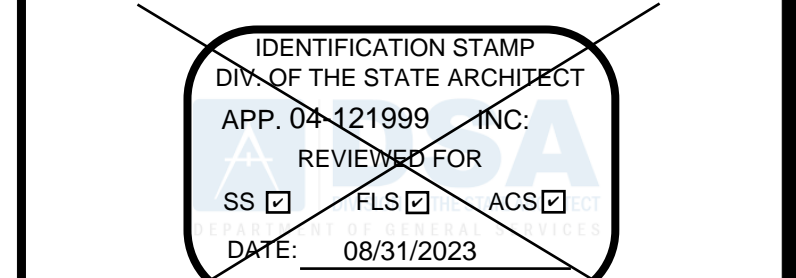
ELECTRICAL PLAN AND SCHEDULE

36' x 40'

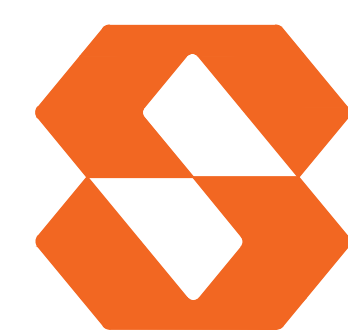
REVISIONS

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:

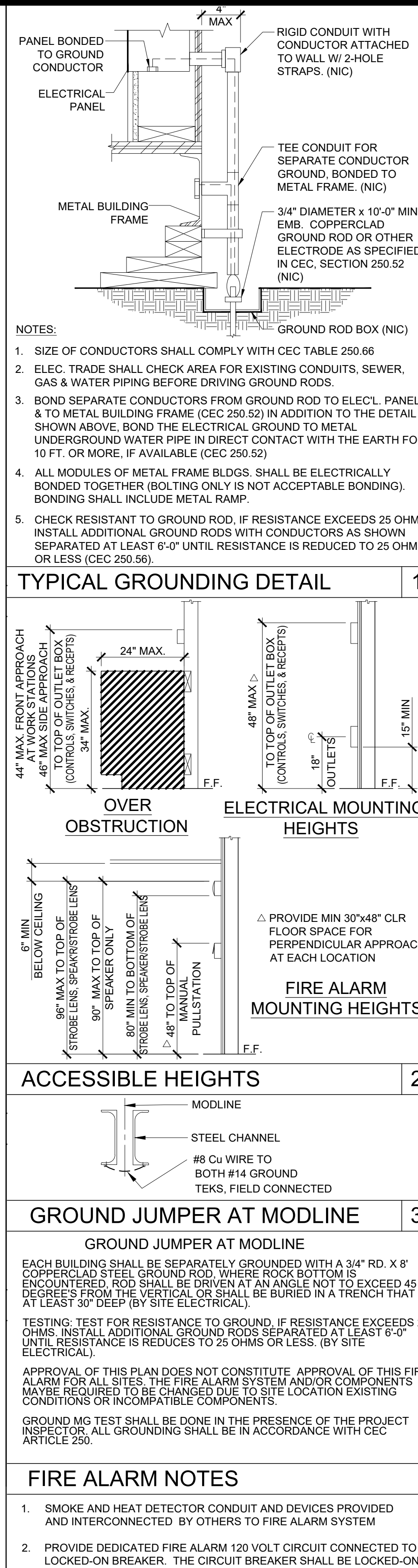
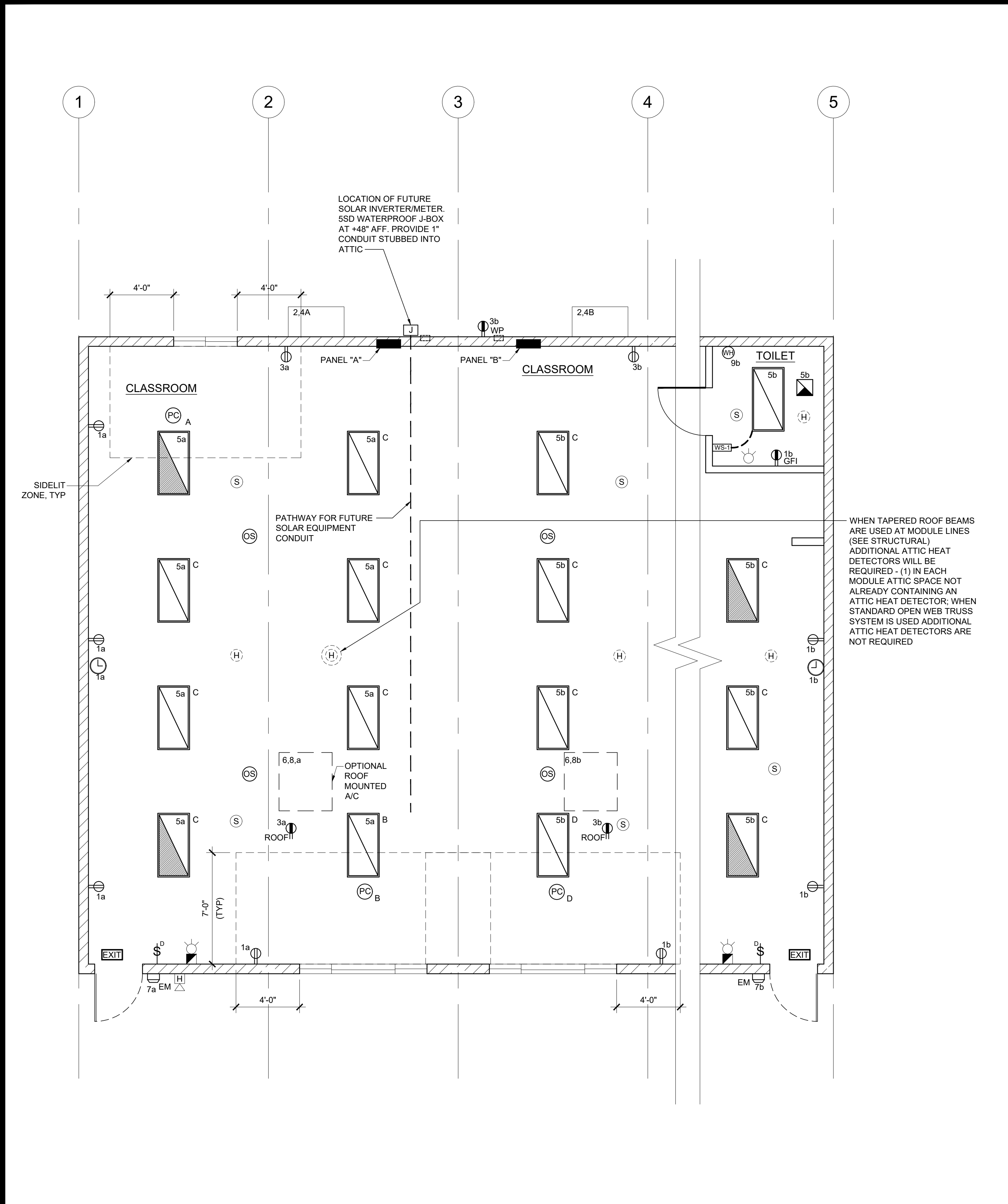
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

E-1.02



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- 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.

TYPICAL GROUNDING DETAIL

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8 AND 2022 CBC SECTIONS 1617A.1.24, 1617A.1.25 & 1617A.1.26.

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

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

LIGHTING CONTROL SYSTEM SEQUENCE OF OPERATIONS

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

SEQUENCE:

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

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

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

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD, WHERE ROCK BOTTOM IS ENCOUNTERED. 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).)						
WIRE SIZE	CAPACITY	WIRE TYPE	NO. OF CONDUCTOR PERMITTED	1/2" C	3/4" C	1" C
#12	20A	THHN	9	16	25	45
#10	30A	THHN	5	10	16	28
#8	45A	THHN	2	5	8	14
#6	65A	THHN	1	3	5	10
#4	85A	THHN	1	2	4	7

JUNCTION BOX SIZE TABLE

BOX SIZE	CU. IN.	MAX NO. OF CONDUCTORS			
		#12	#10	#8	#6
4SS 1 1/4" x 4" SQ	18.0	8	7	6	0
4S 1 1/2" x 4" SQ	21.0	9	8	7	0
4SD 2 1/8" x 4" SQ	30.3	13	12	10	6
4SX 2 7/8" x 4" SQ	43.5	23	21	17	10
5SD 2 1/8" x 4-11/16" SQ	42.0	18	16	14	6
5SX 3 7/8" x 4-11/16" SQ	86.0	38	34	28	17
6SD 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

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

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

EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24" AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)

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

ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE

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

CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE

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

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

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

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

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

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

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

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

100 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH

300 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH

2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE WITH DIMMING
WATTAGE: 51 WATTS (MAX), 5000L (MIN)
EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE. THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES. ANY LIGHT FIXTURE EQUIPPED WITH A BATTERY PACK SHALL BE 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 IN 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.

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

ELECTRICAL PLAN									
ELECTRICAL PANEL									
VOLTS: 120/208 V		PANEL: WALL MOUNTED HVAC		FEED: REAR					
MAIN: 100 A		LOCATION: INTERIOR ACCESS		MOUNTING: FLUSH					
LOAD	QTY	WATTS		BREAKER	Amps	P	A	B	Circuit
		AØ	BØ						
RECEPTACLES	4	720	20	1	1		2	60	2
RECEPTACLES/CLOCK	5	900	20	1	3		4	-	-
INTERIOR LIGHTING	8	960	20	1	5		6		
EXTERIOR LIGHTING	1	40	20	1	7		8		
WALL RECEPTACLE (GFI)	1	180	20	1	9		10		
DED - SOLAR READY							11	20	1
DED - SOLAR READY							13		
A = 6690 WATTS / PHASE		1860	940						
TOTAL = 12,500 WATTS		61	AMPS	120/208	VOLTS	1 Ø			
								3 WIRE	

ELECTRICAL PANEL									
ELECTRICAL PANEL									
VOLTS: 120/208 V		PANEL: "A" ROOF MOUNTED HVAC		FEED: REAR					
MAIN: 100 A		LOCATION: INTERIOR ACCESS		MOUNTING: RECESSED					
LOAD	QTY	WATTS		BREAKER	Amps	P	A	B	Circuit
		AØ	BØ						
RECEPTACLES	4	720	20	1	1		2	60	2
RECEPTACLES/CLOCK	5	900	20	1	3		4	-	-
INTERIOR LIGHTING	8	960	20	1	5		6		
EXTERIOR LIGHTING	1	40	20	1	7		8		
ROOF RECEPTACLE (GFI)	1	180	20	1	9		10		
DED - SOLAR READY							11	20	1
DED - SOLAR READY							13		
A = 6402 WATTS / PHASE		1860	940						
TOTAL = 11,924 WATTS		57	AMPS	120/208	VOLTS	1 Ø			
								3 WIRE	

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PROJECT NAME:

SHEET TITLE:

ELECTRICAL PLAN AND SCHEDULE

48' TO 120' x 40'

REVISIONS

1	
2	
3	
4	

PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP. 04.12.1999 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:

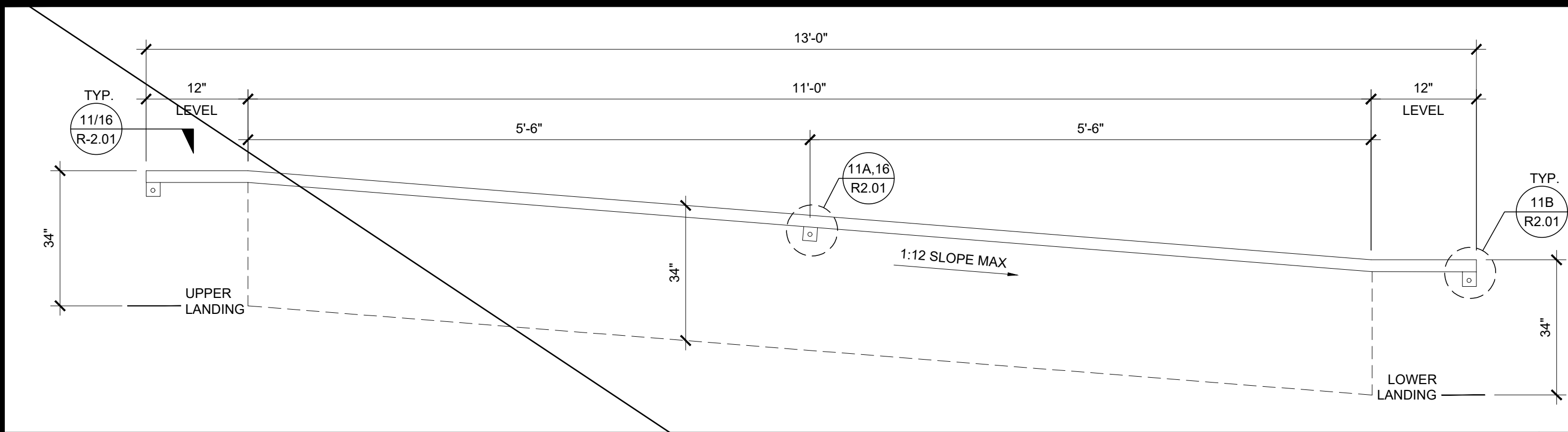
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SCALE: AS NOTED

DATE: 02-27-2023

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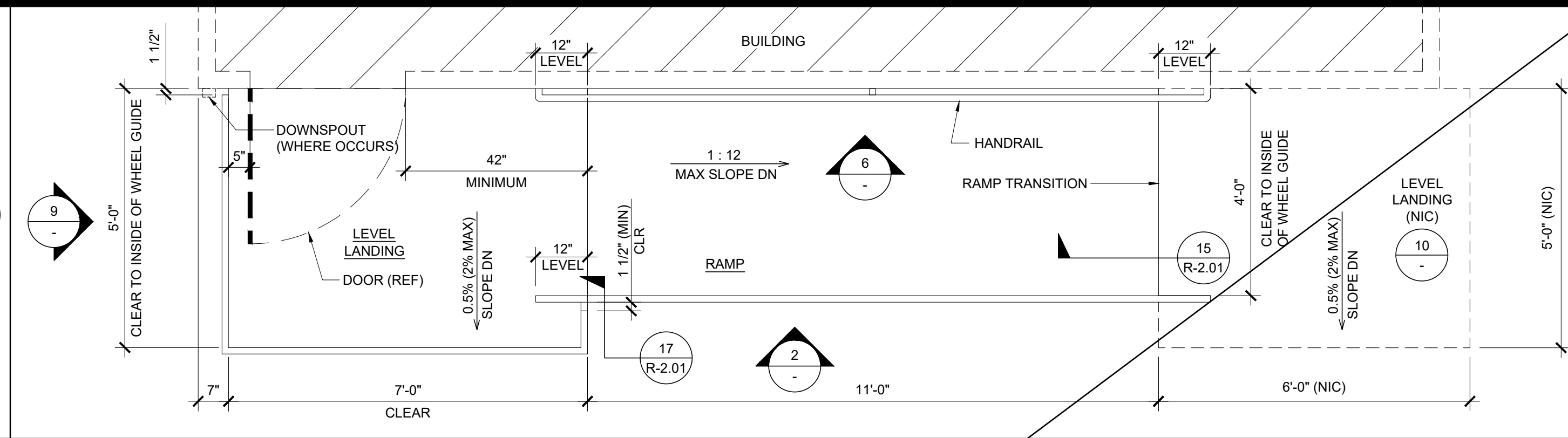
E-1.03



HANDRAIL ATTACHMENT TO BUILDING

SCALE : 1" = 1'-0"

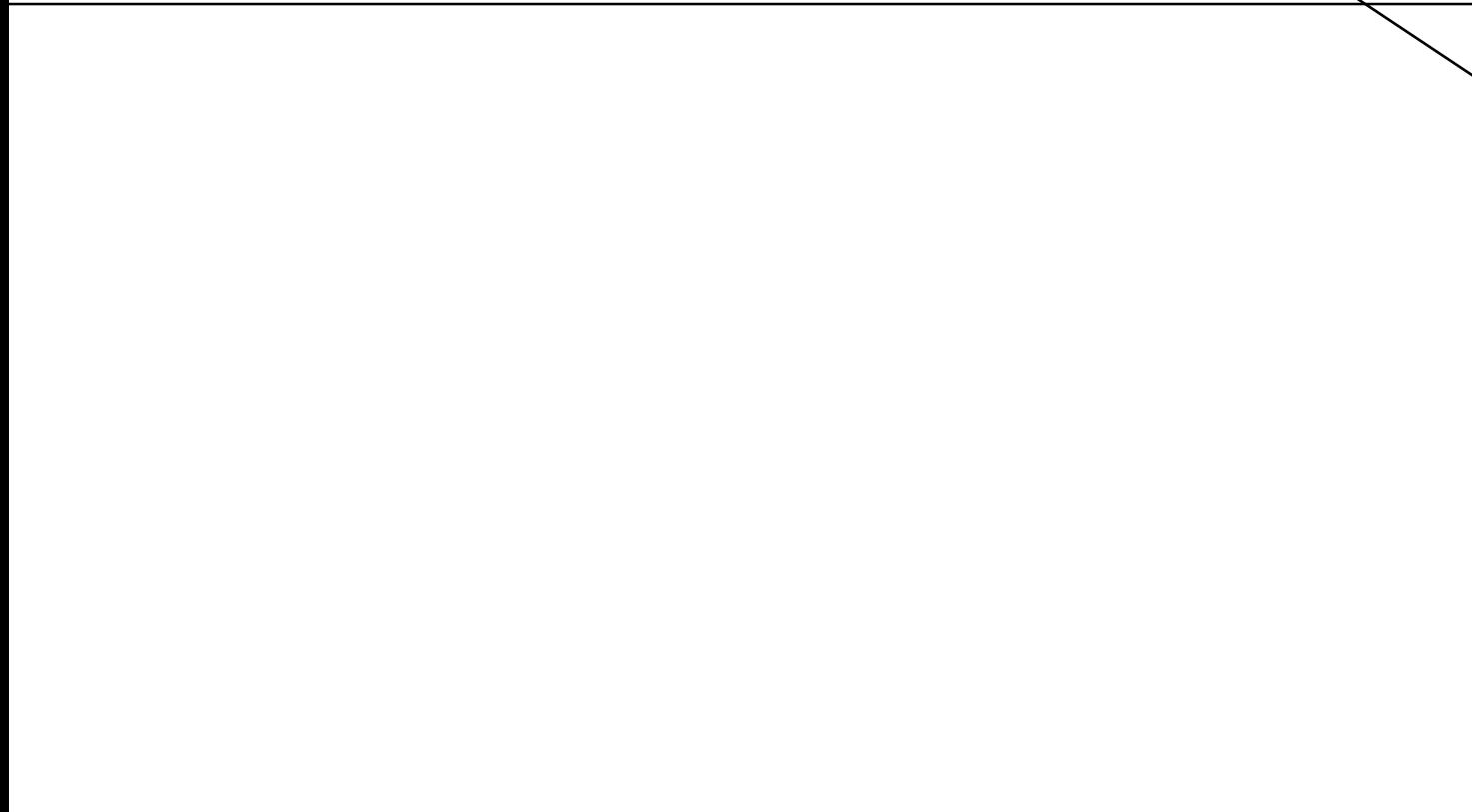
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RAMP AND LANDING AT BUILDING

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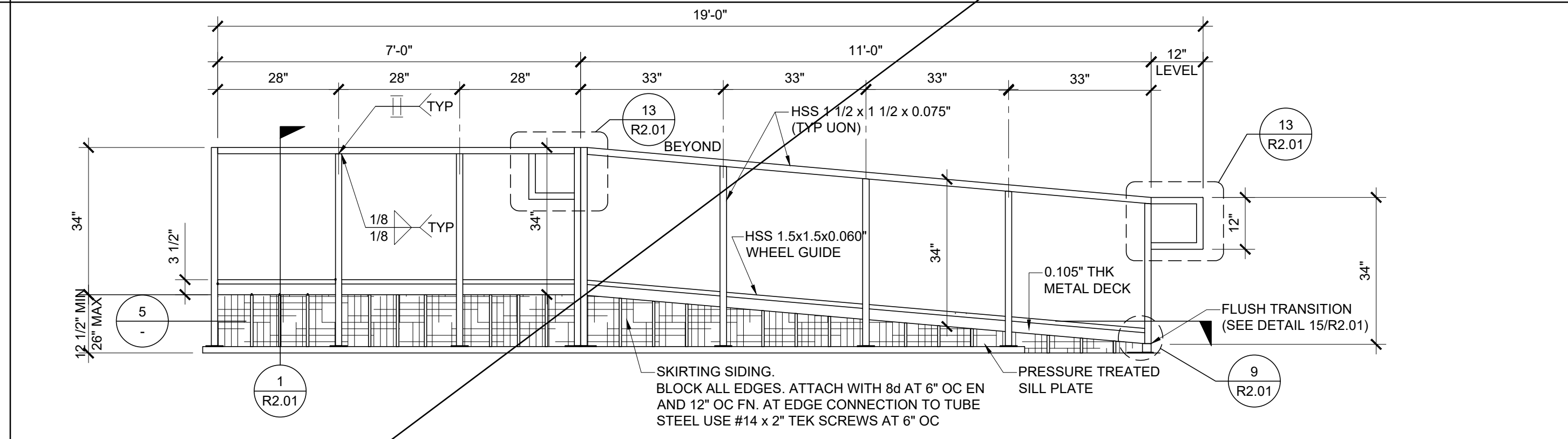
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SECTION AT LANDING

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

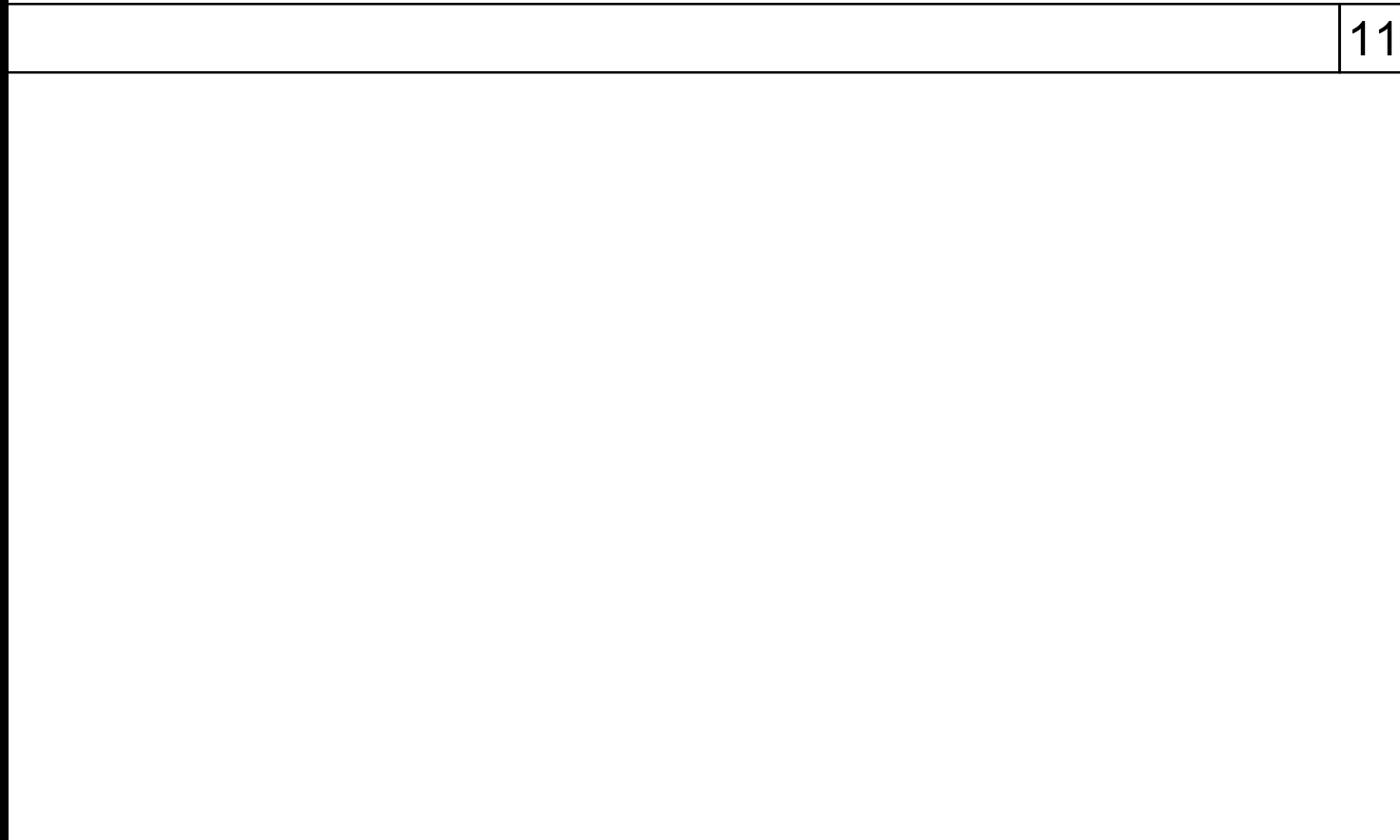
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RAMP AND LANDING ELEVATION

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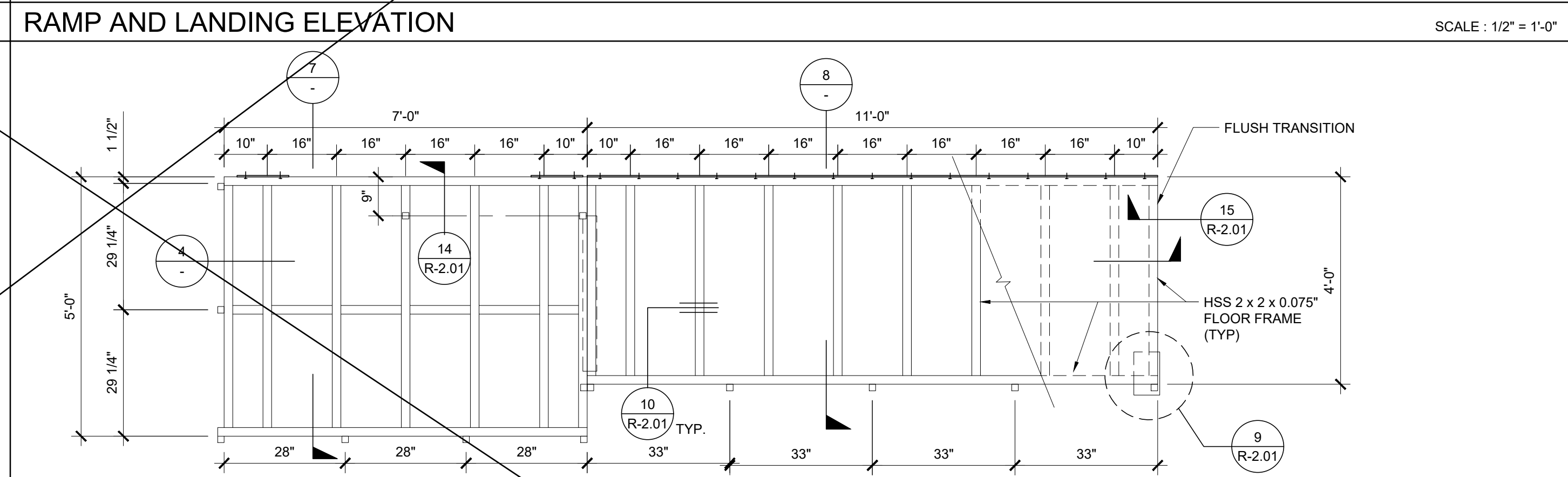
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SECTION AT RAMP

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

8



RAMP FRAMING PLAN

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

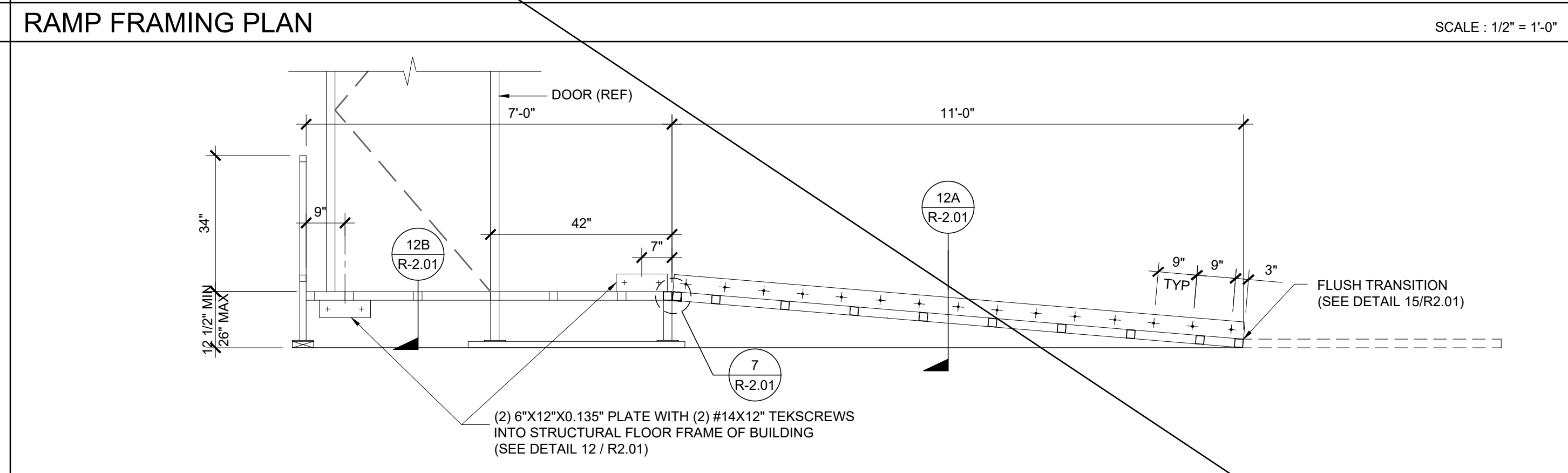
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LANDING ELEVATION

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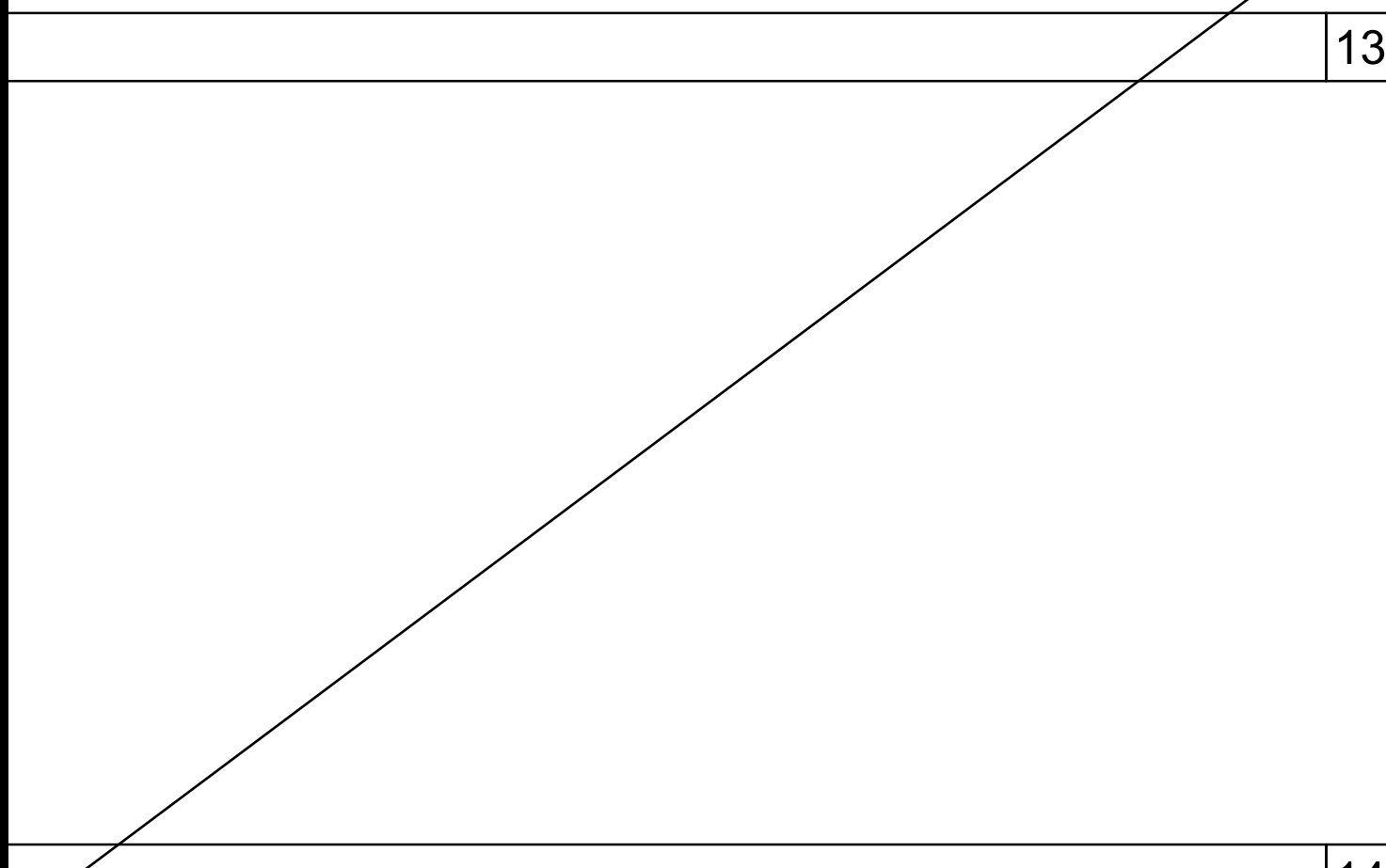
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SECTION AT RAMP AND LANDING

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

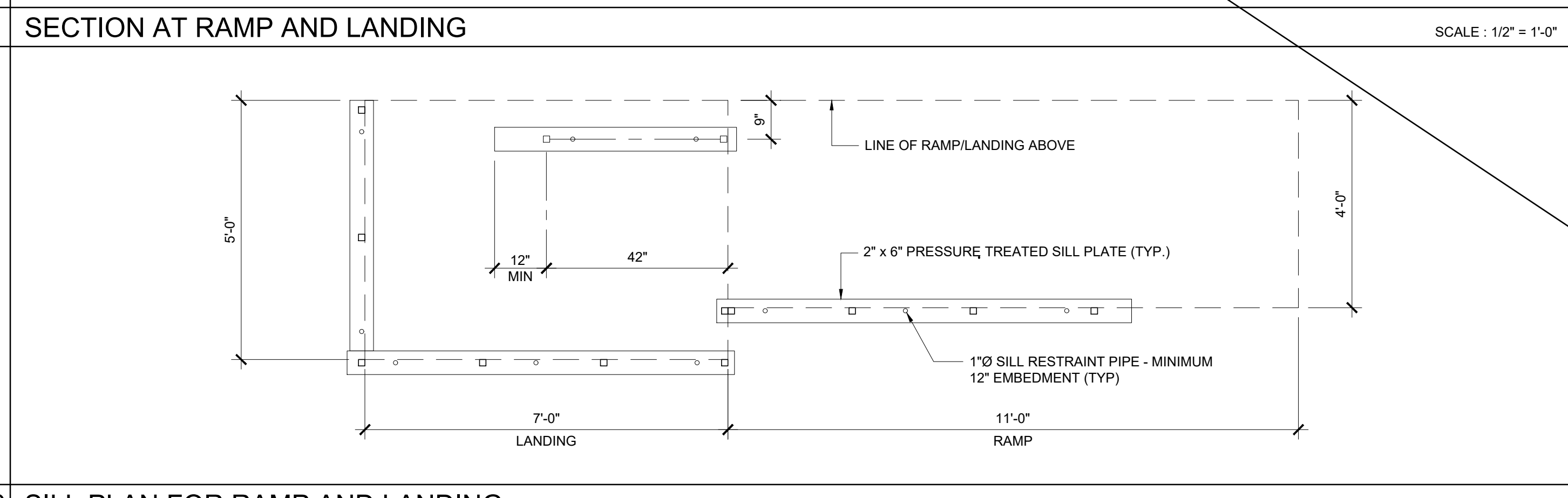
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RAMP TRANSITION

SCALE: NTS

10



SILL PLAN FOR RAMP AND LANDING

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

5

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PROJECT NAME:

SHEET TITLE:

RAMP LANDING

REVISIONS

1	
2	
3	
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A SEPARATE PROJECT APPLICATION
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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:

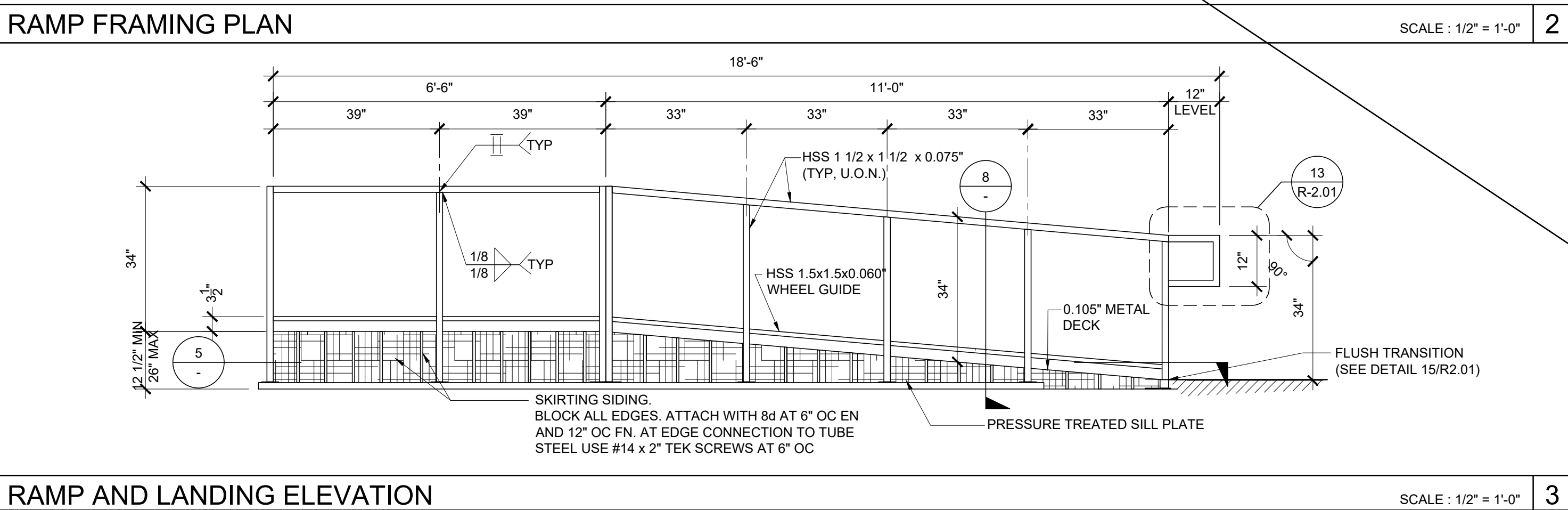
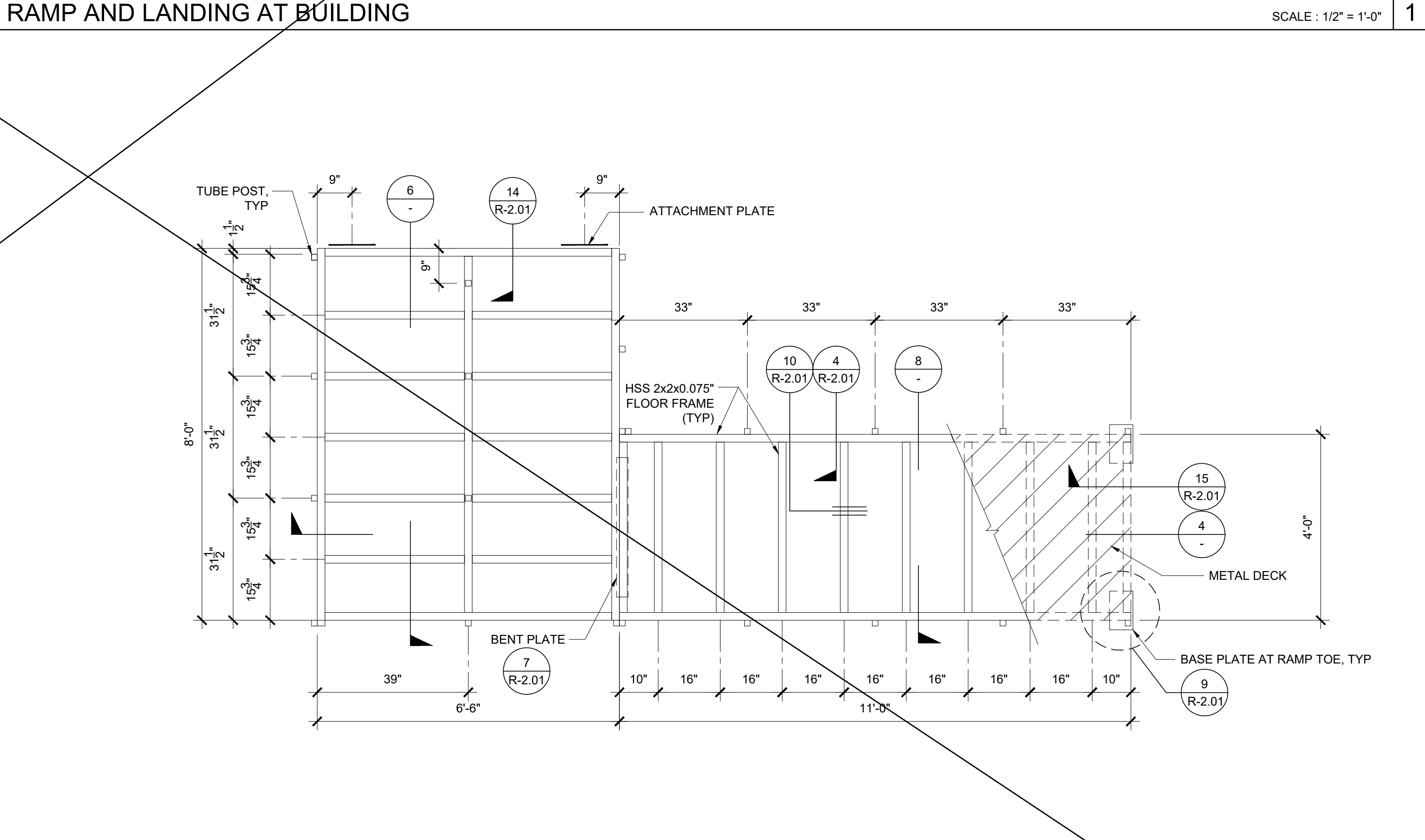
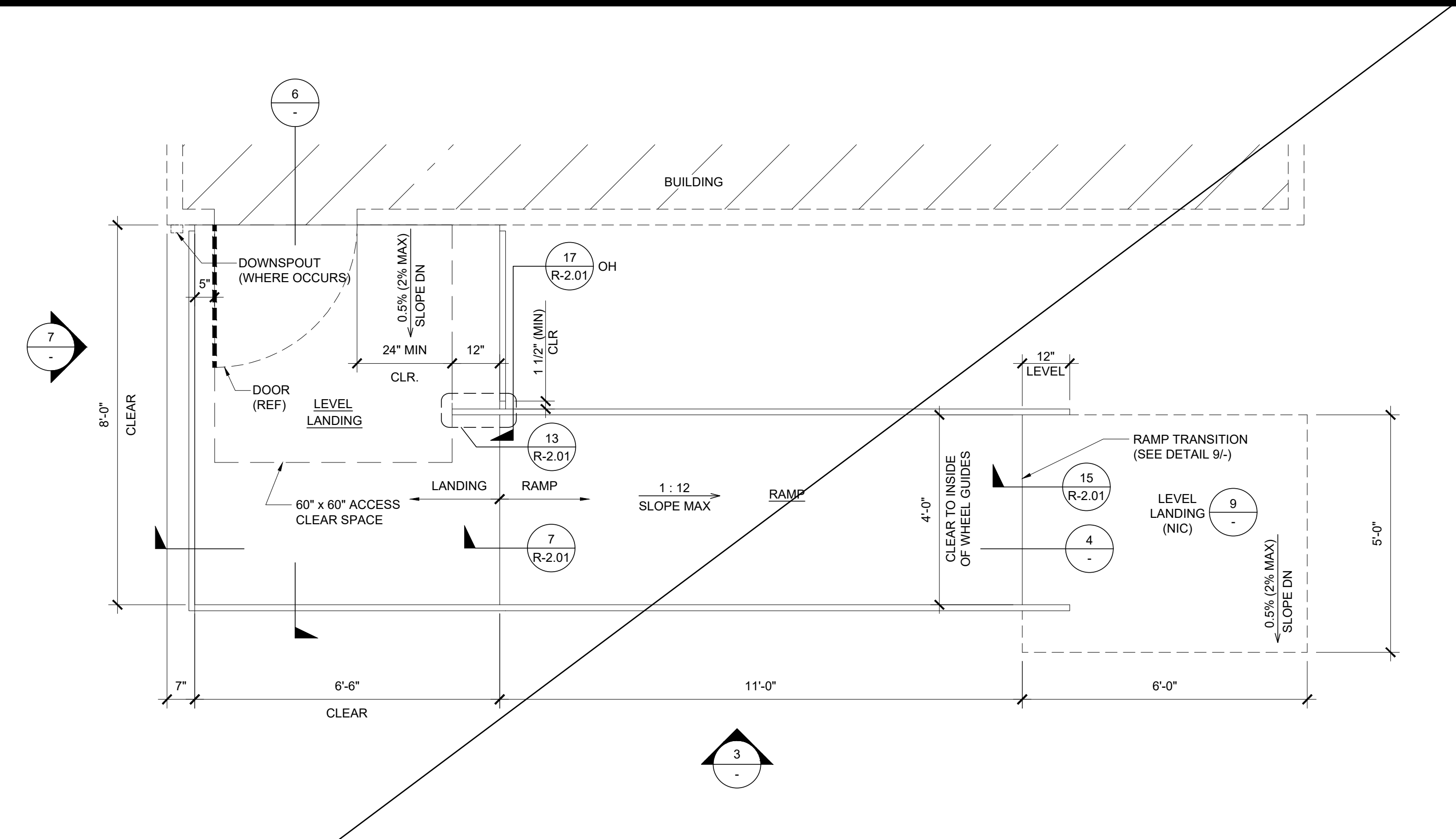
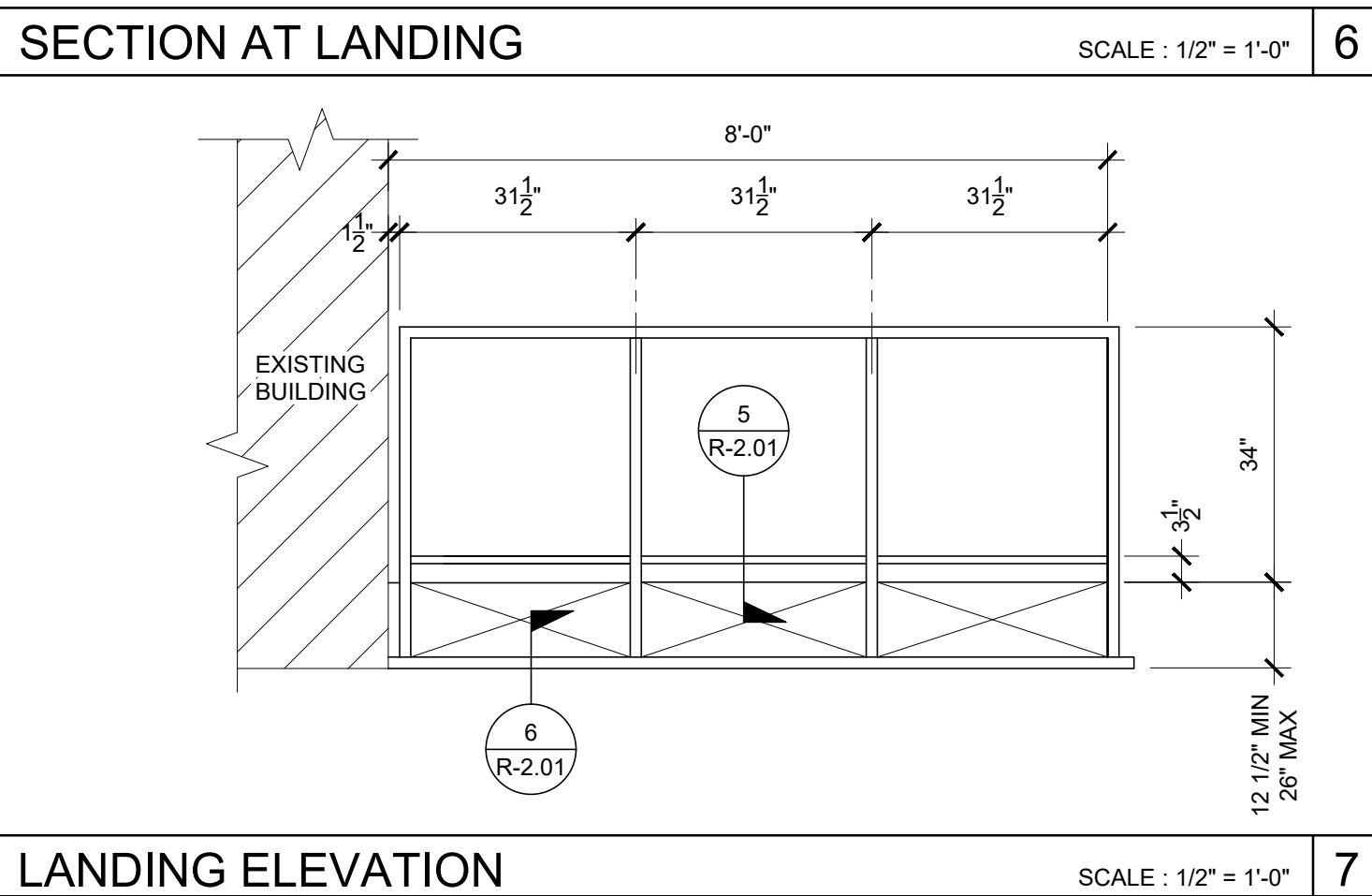
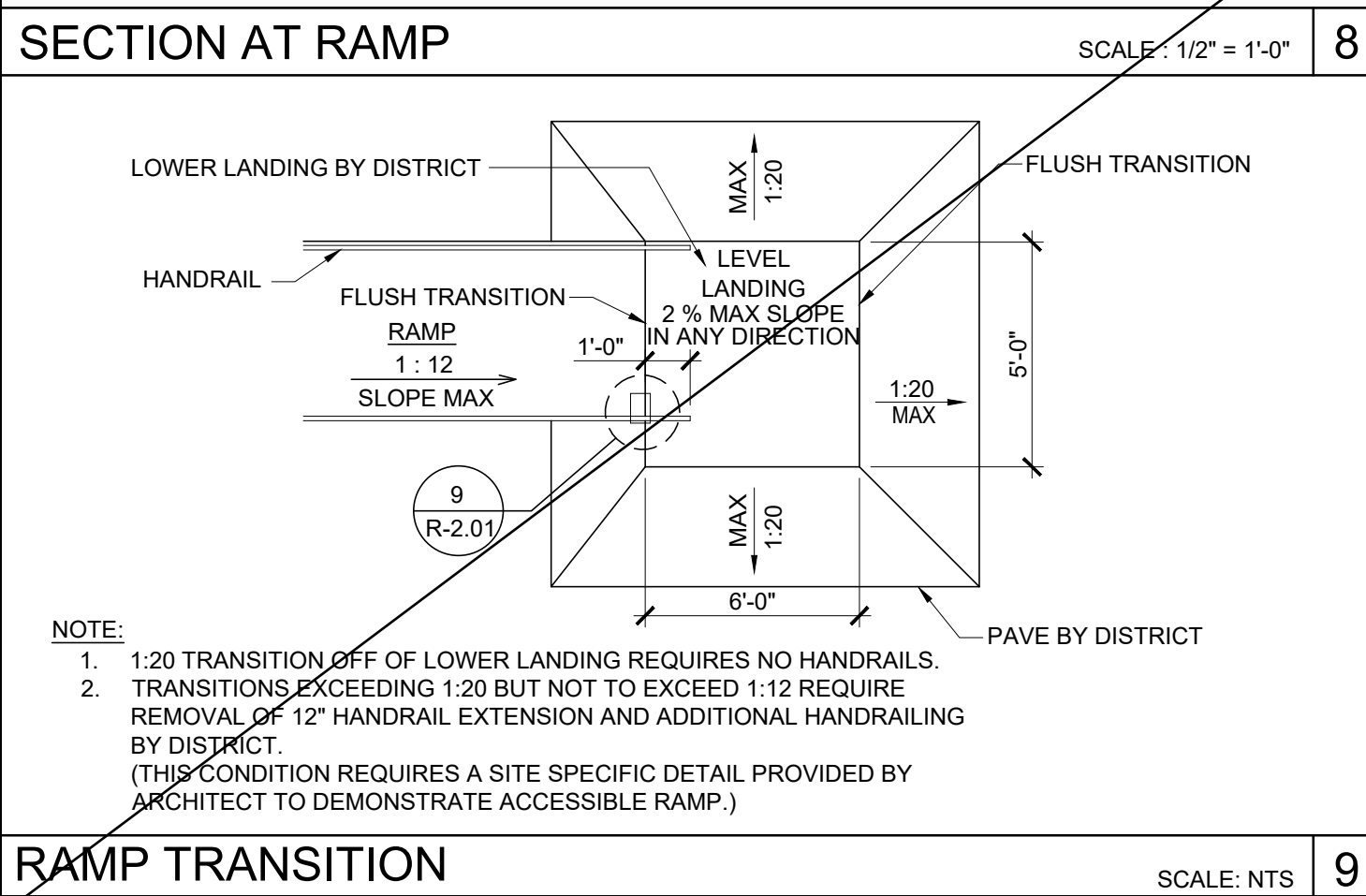
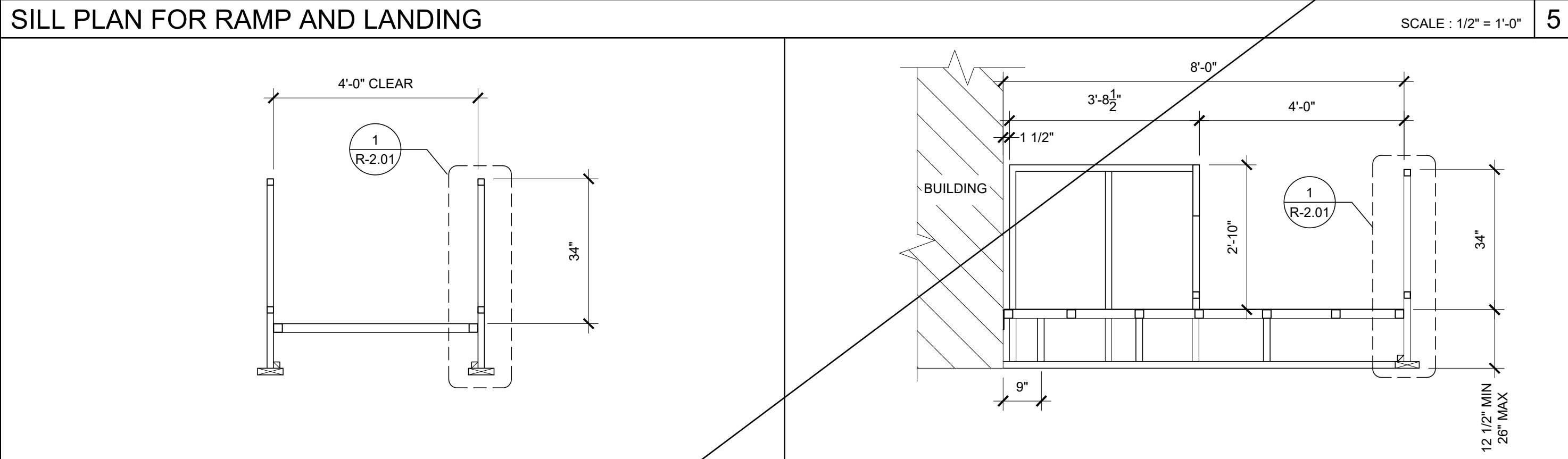
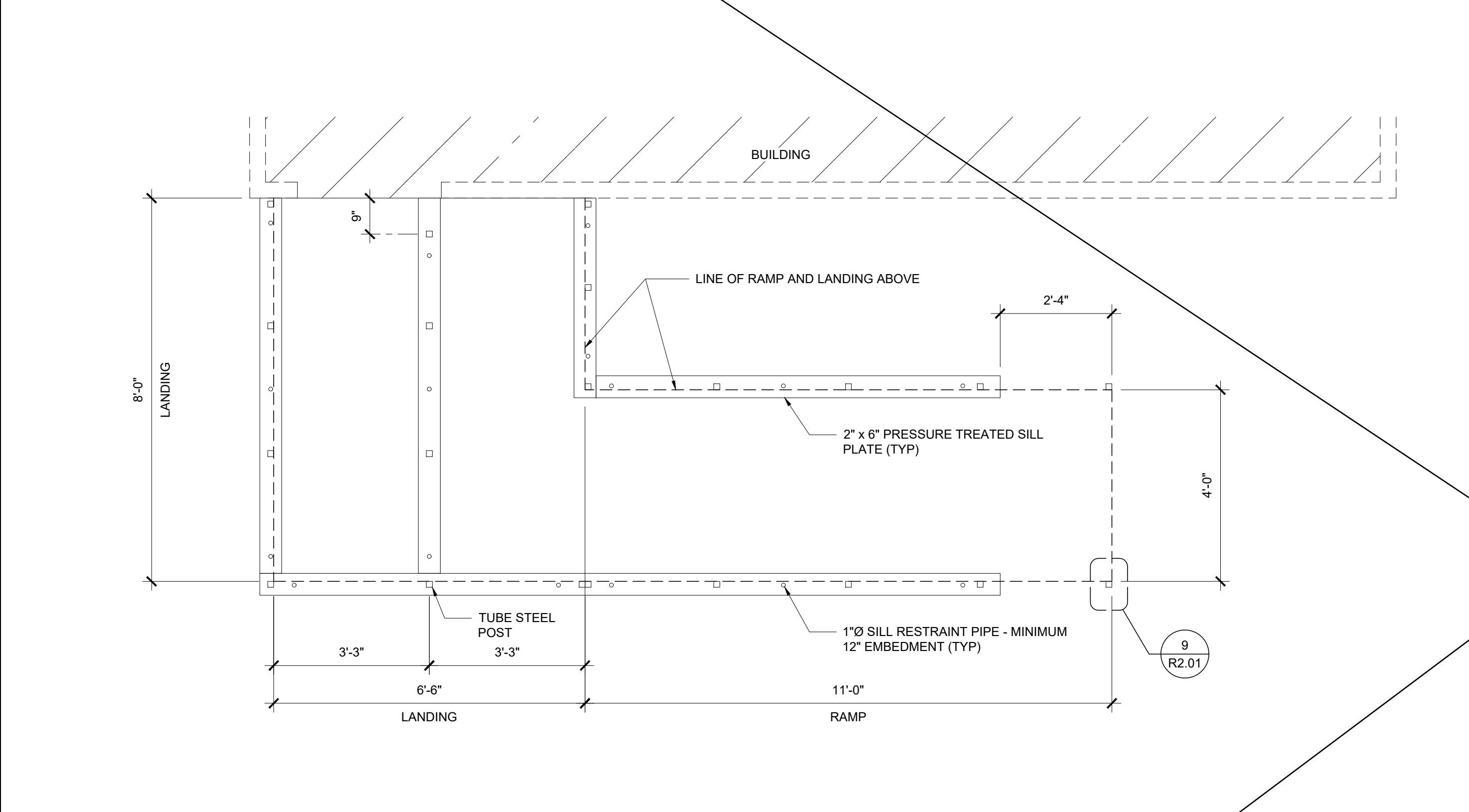
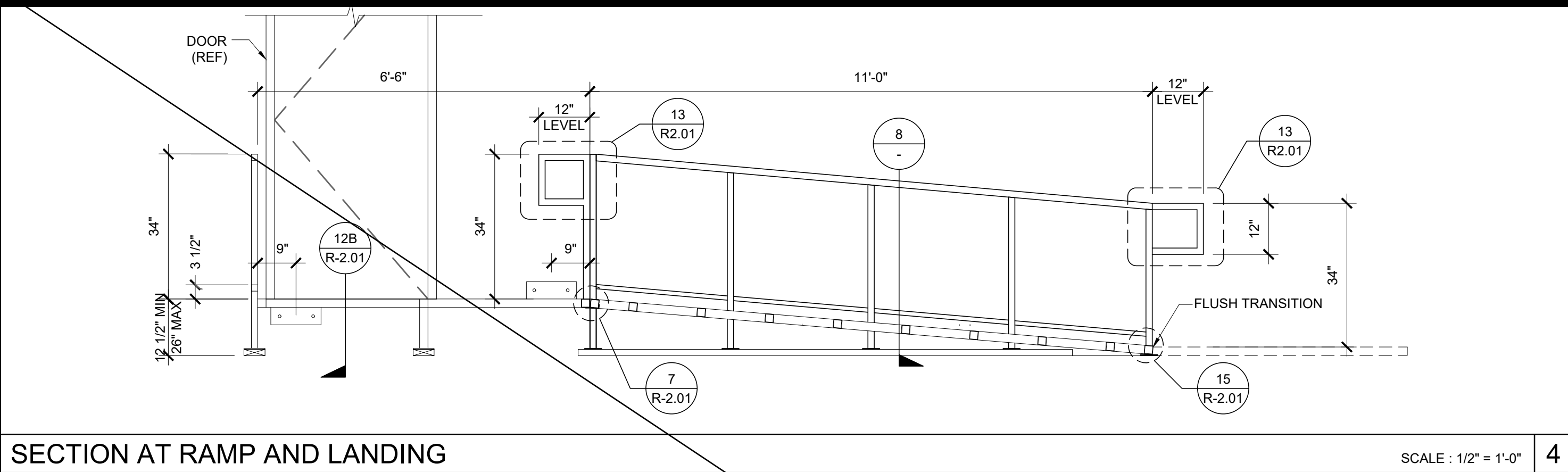
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PROJECT NAME:

SHEET TITLE:

OFFSET RAMP PLAN

REVISIONS

NO.	DESCRIPTION
1	
2	
3	
4	
5	

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

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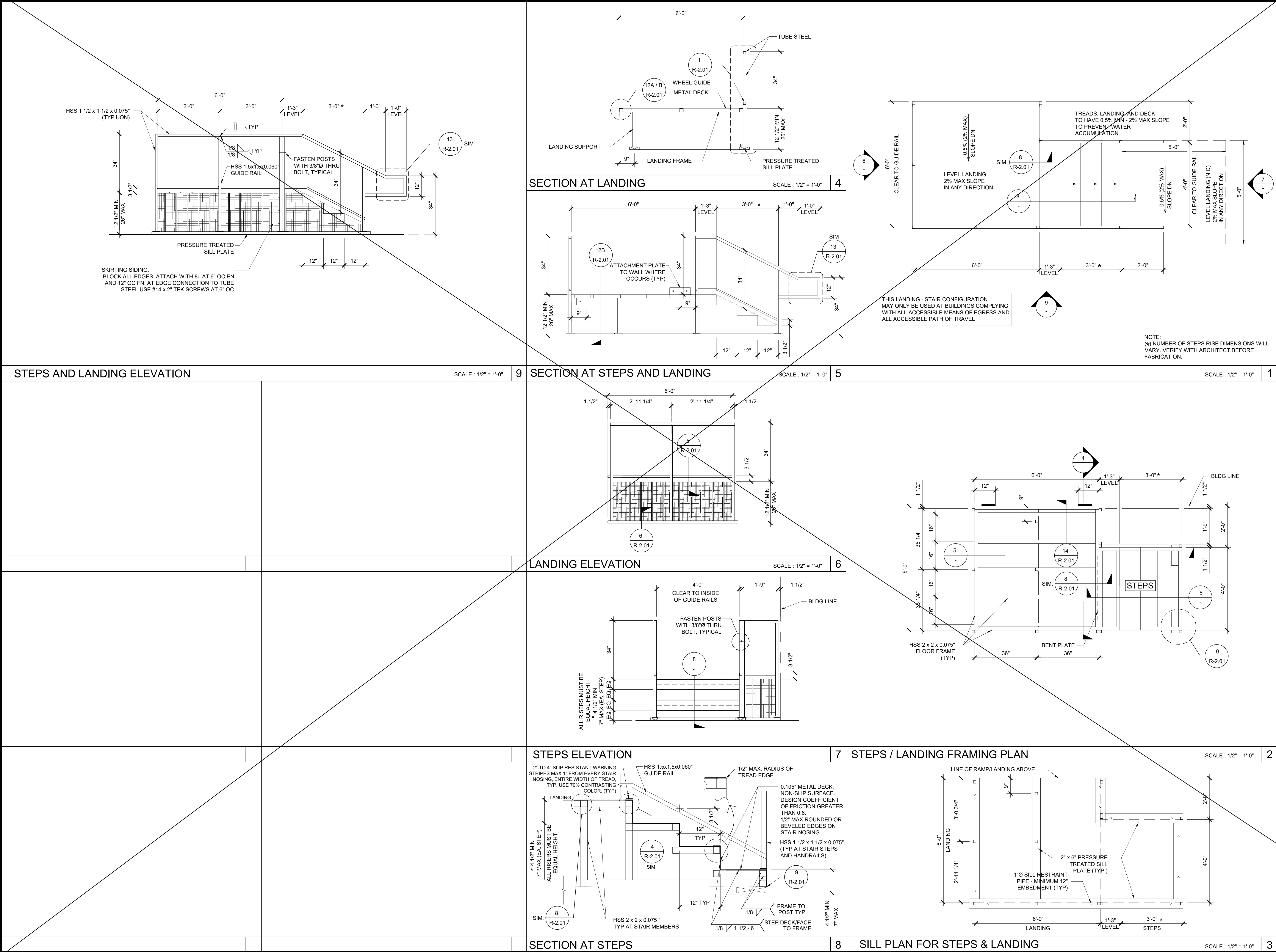
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R-1.03



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PROJECT NAME:

SHEET TITLE:

STANDARD LANDING WITH STEPS

REVISIONS

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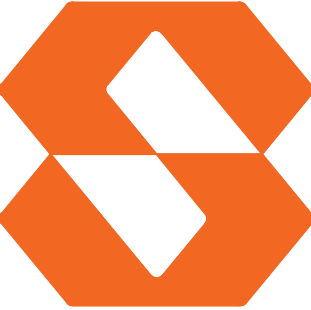
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MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES

24' x 40' PC

PROJECT NO:

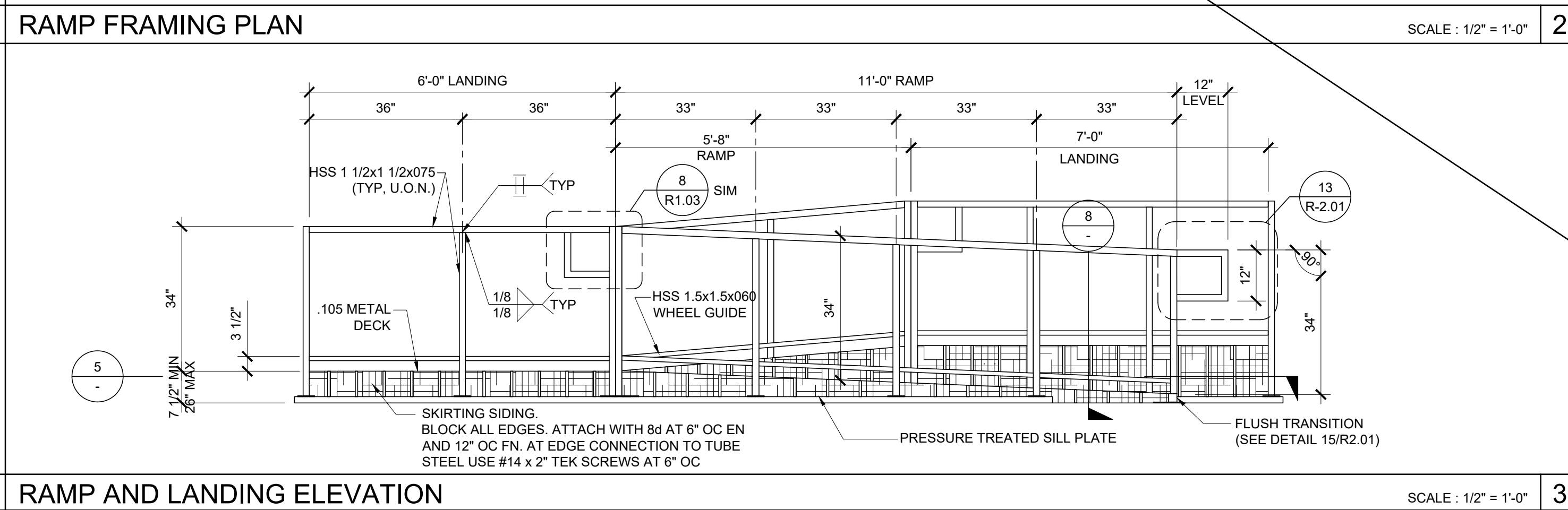
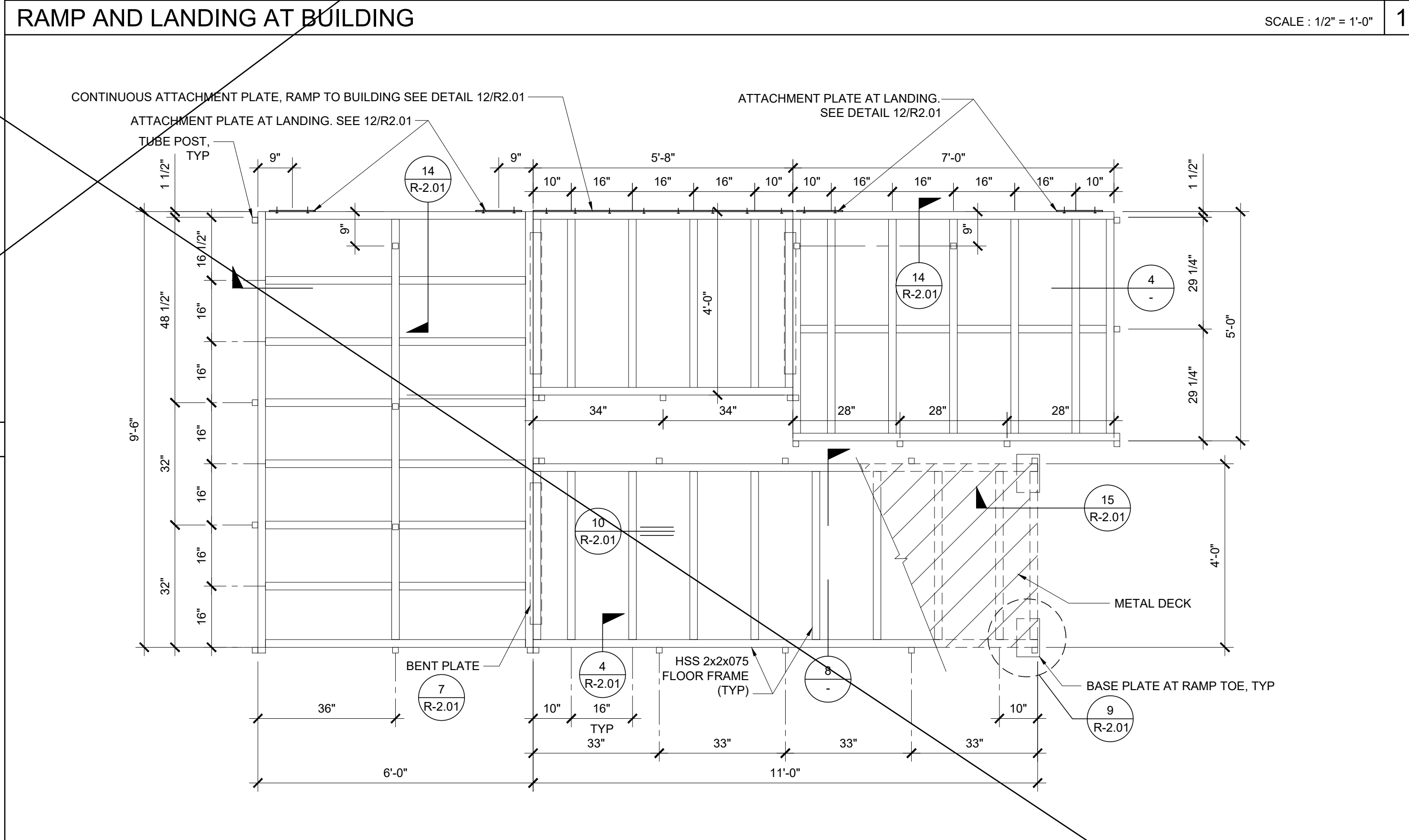
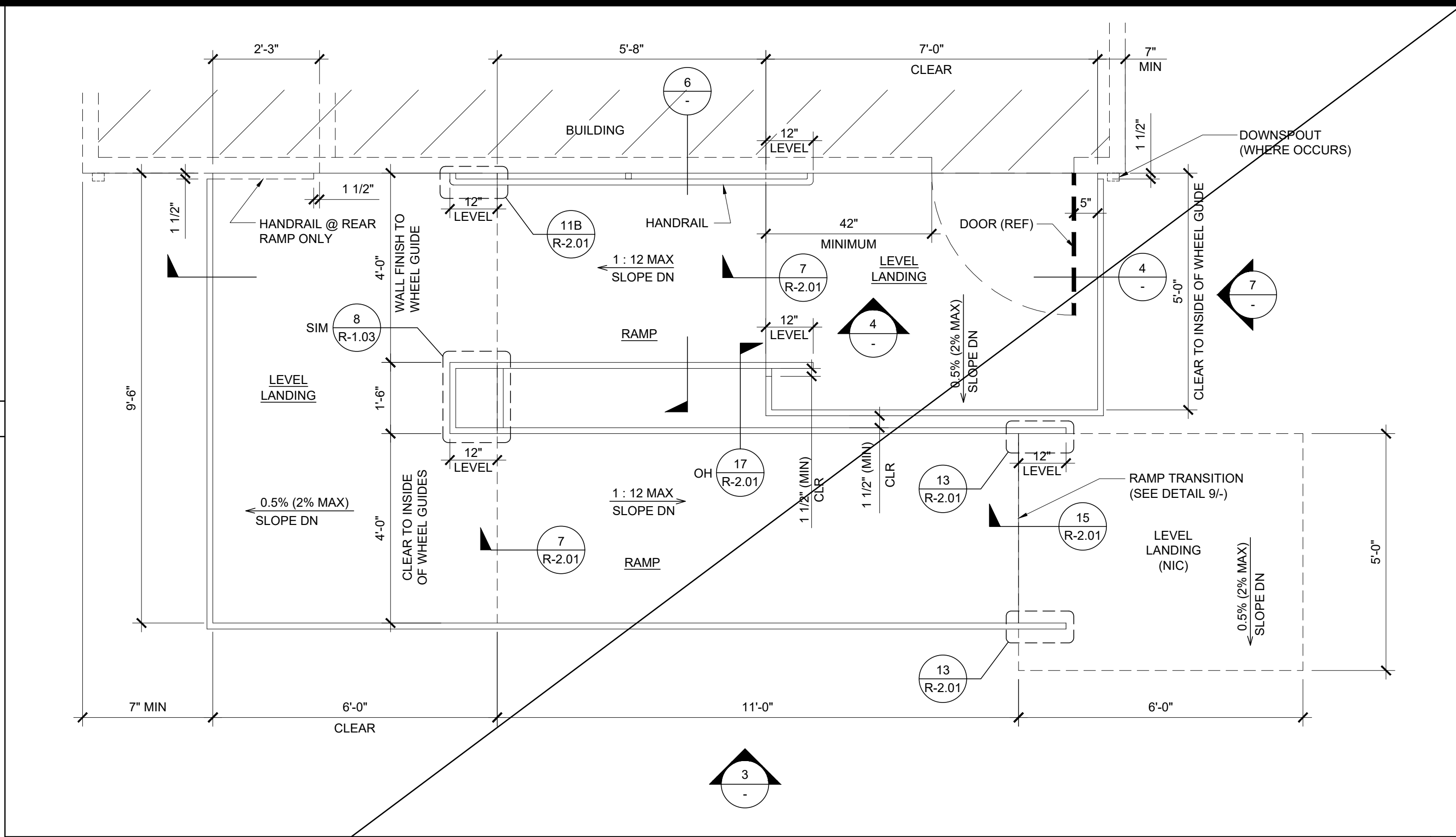
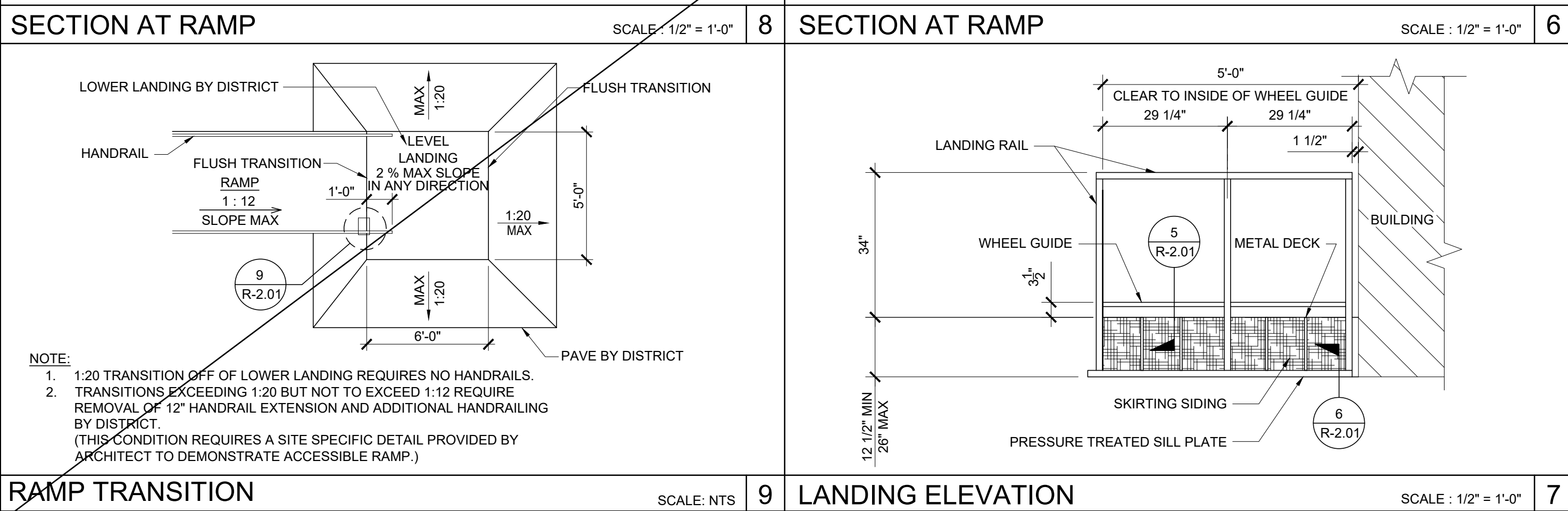
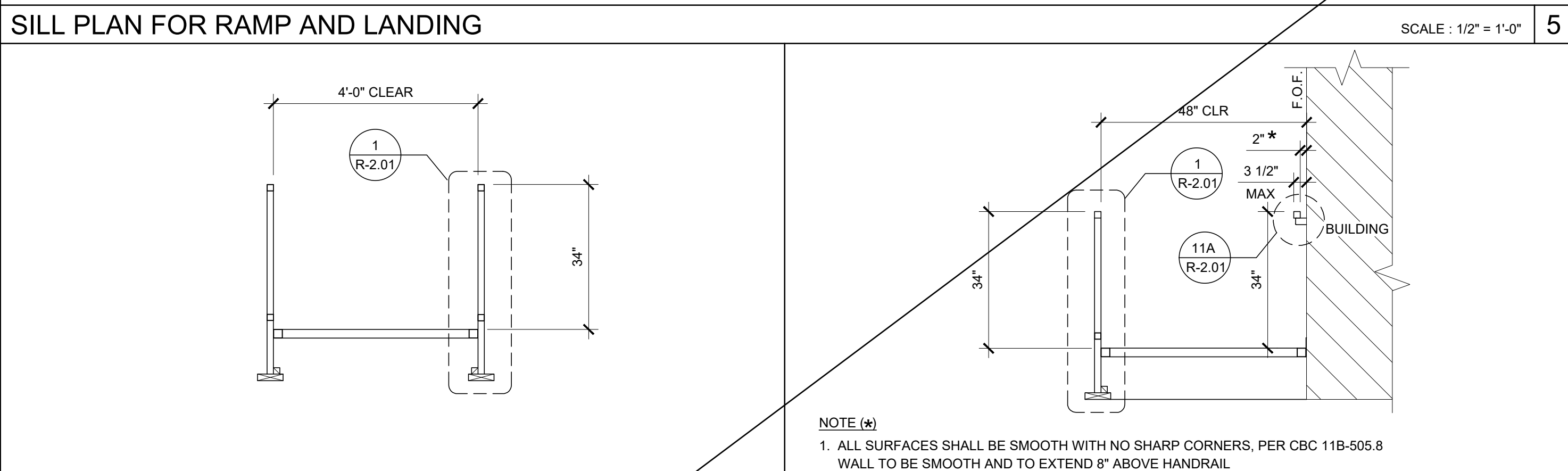
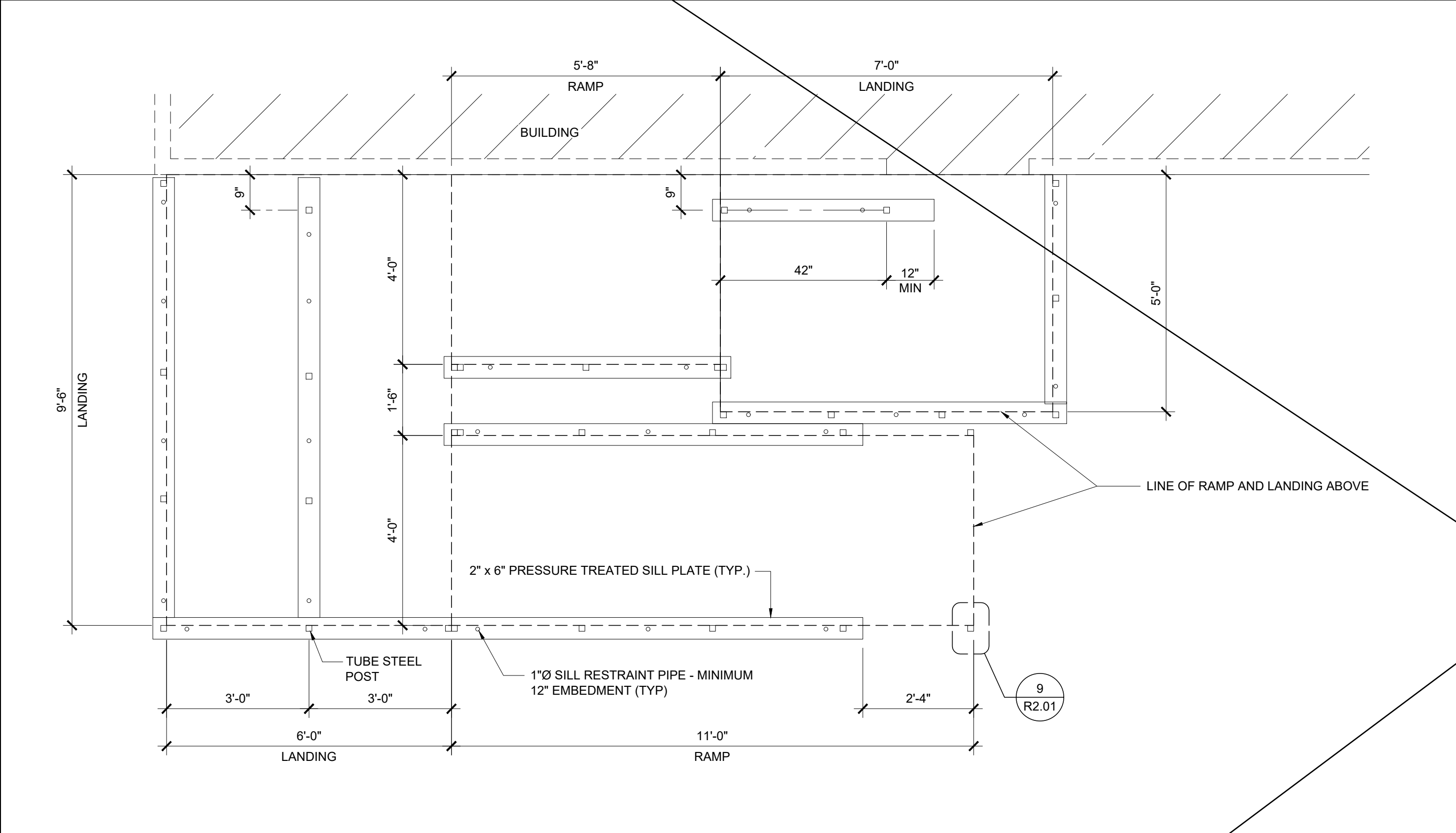
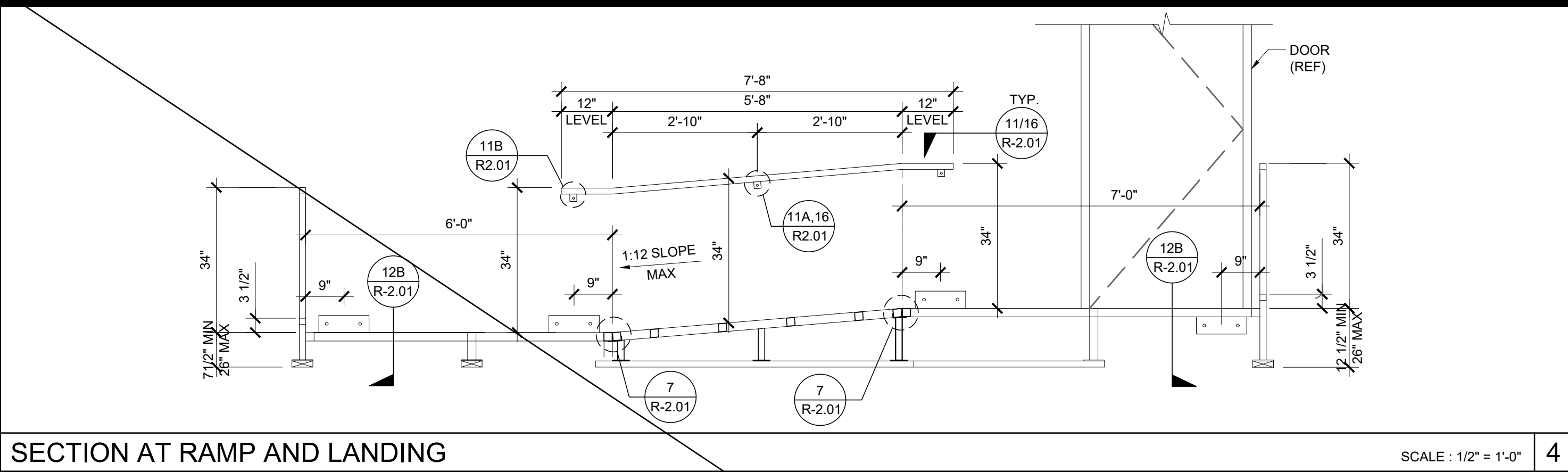
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PROJECT NAME:

SHEET TITLE:

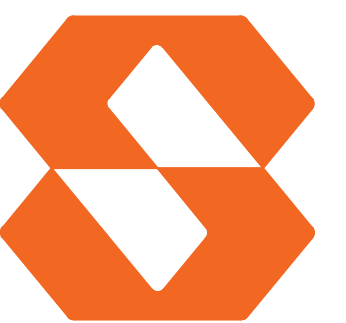
SWITCHBACK RAMP PLAN

REVISIONS

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APP. 04 121999 INC.
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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:

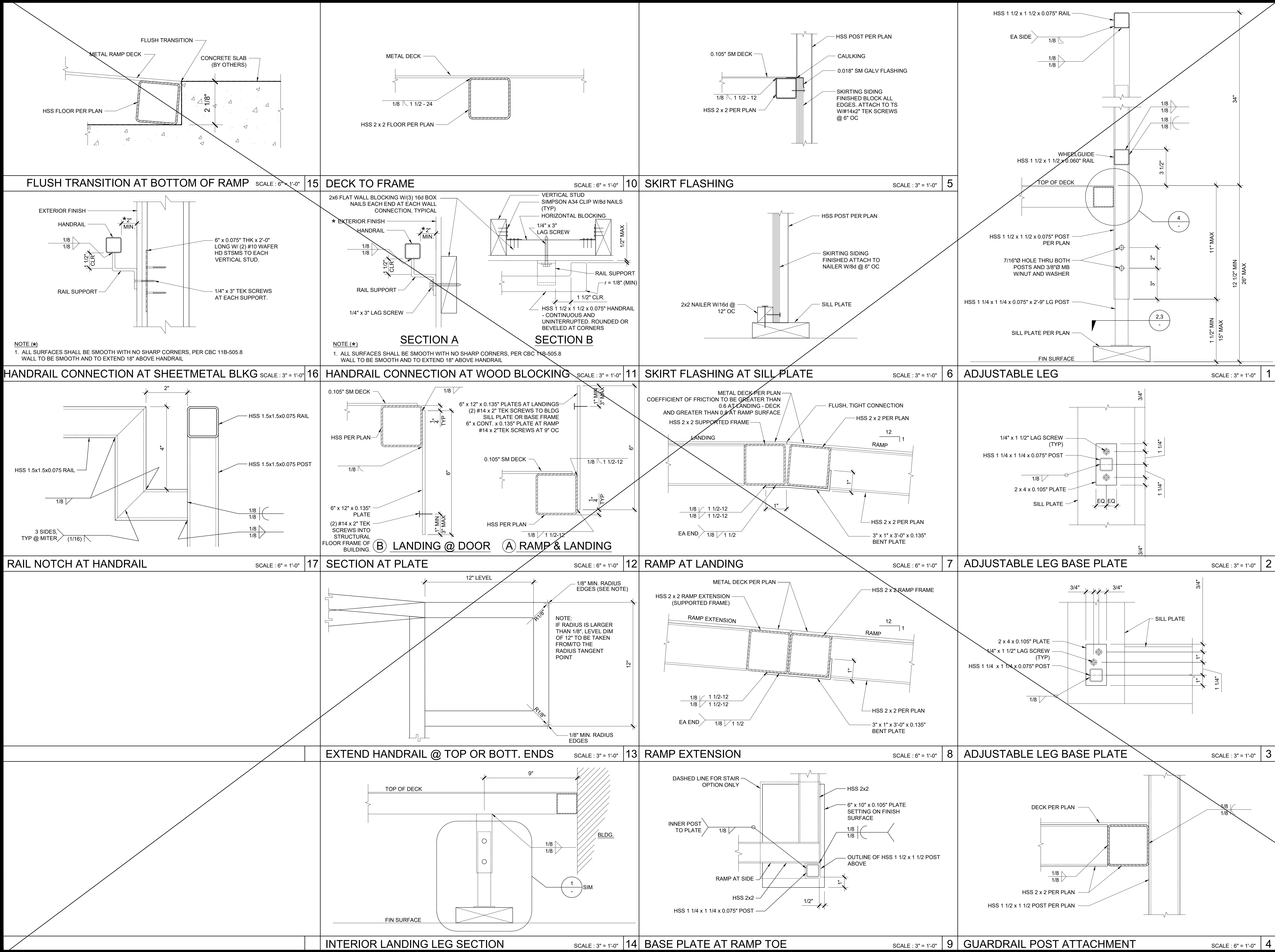
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PROJECT NAME:

SHEET TITLE:

RAMP DETAILS

REVISIONS

PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC
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APP. 04-121999 - INC.
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DATE: 08/31/2023

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

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SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

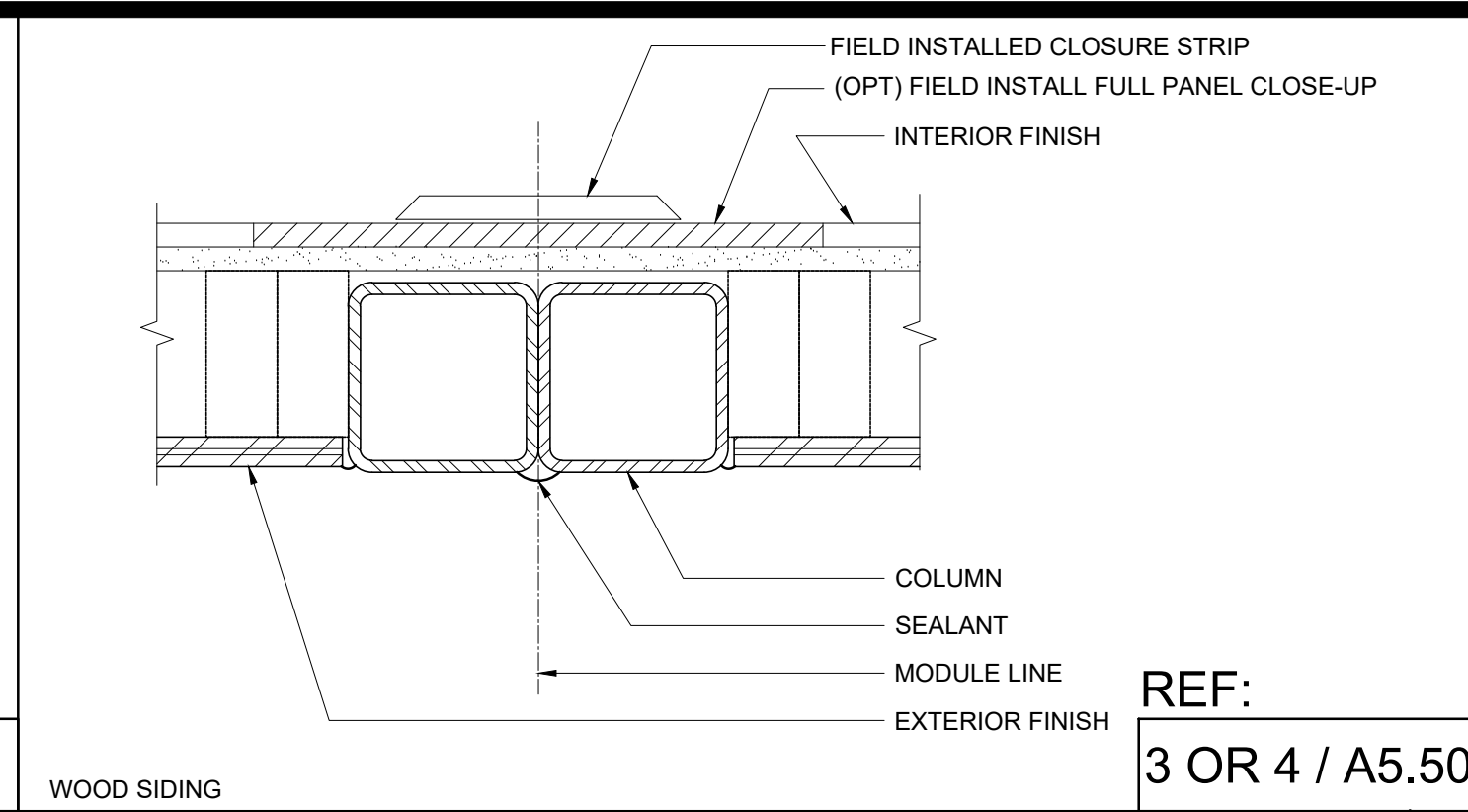
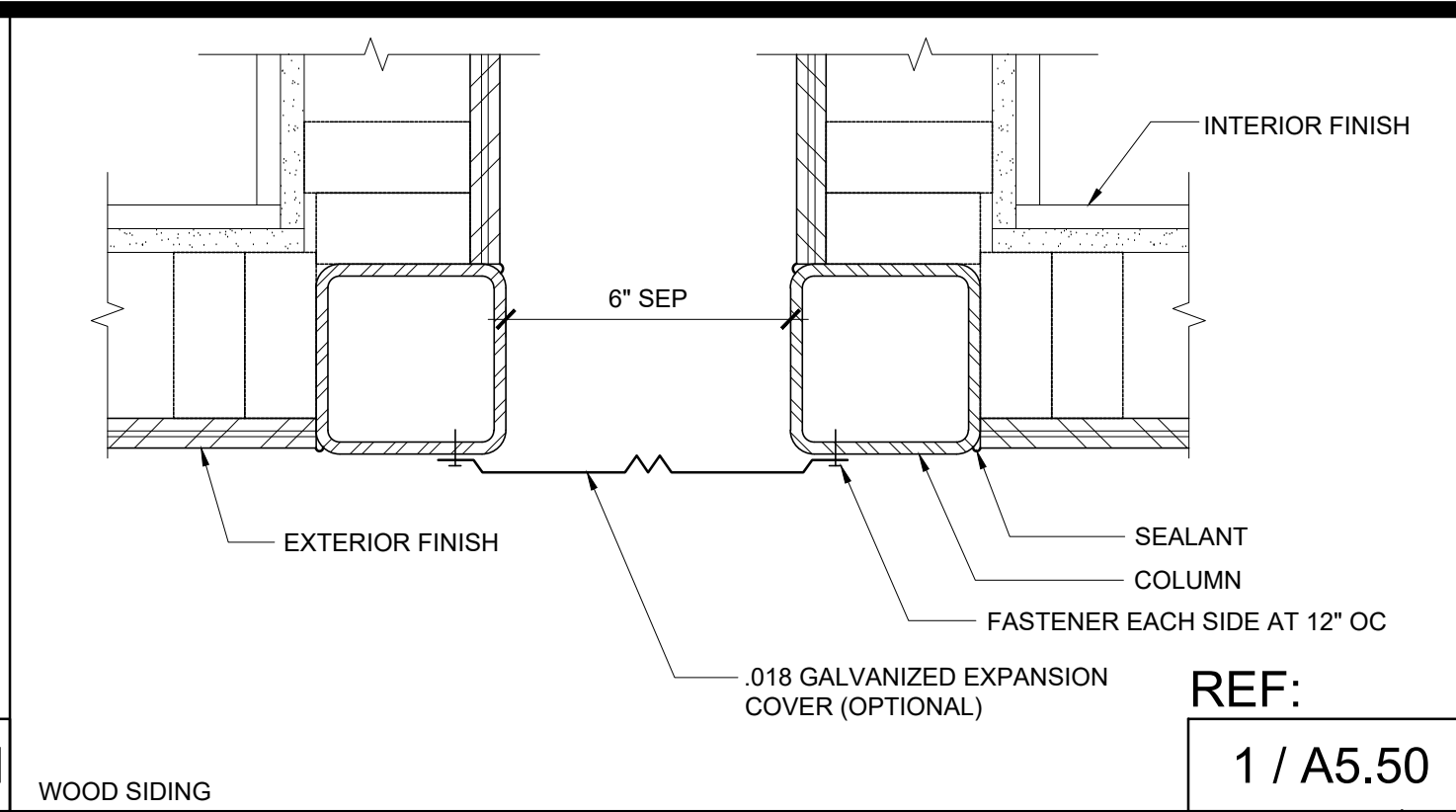
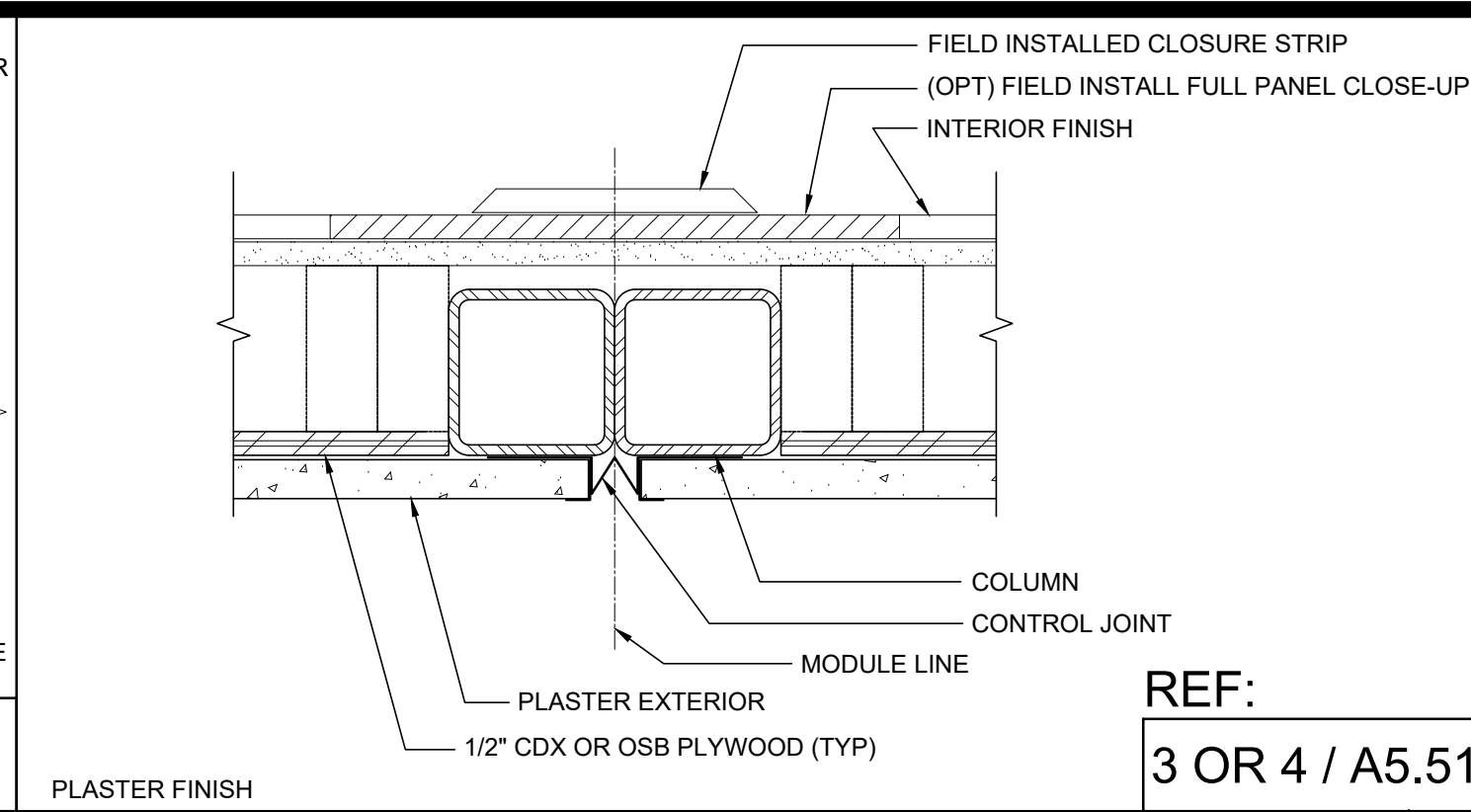
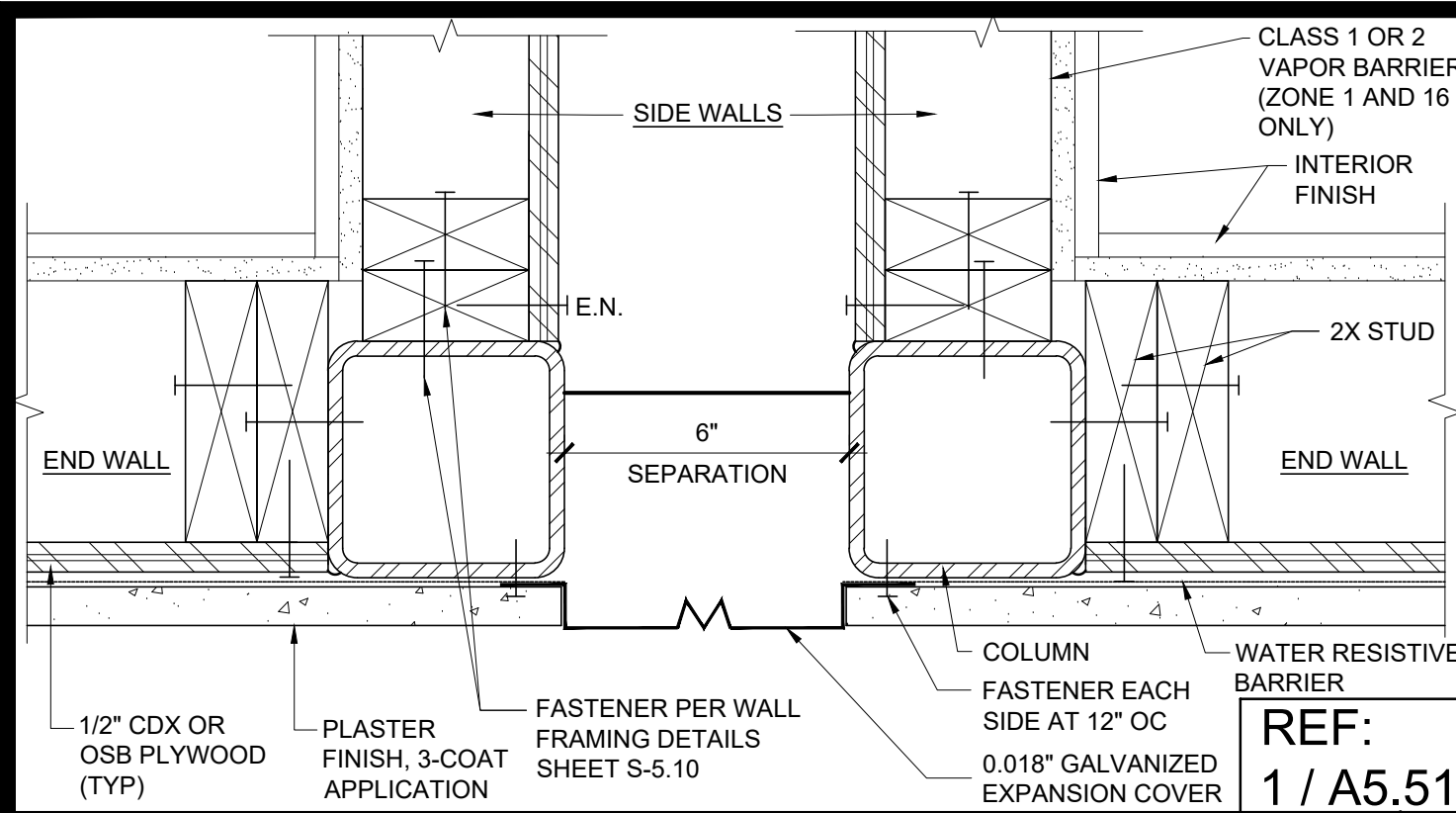
DRAWN BY:

SCALE: AS NOTED

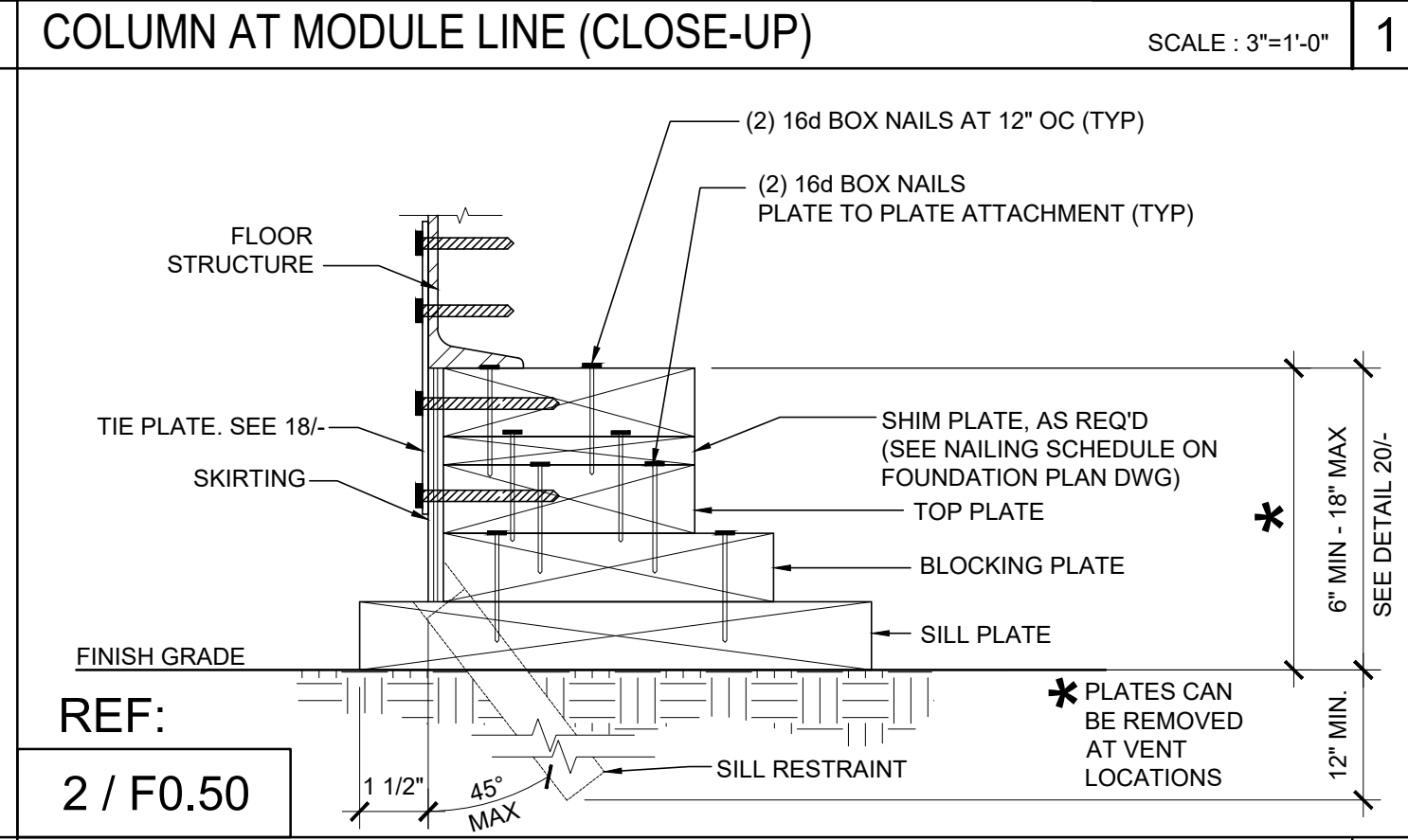
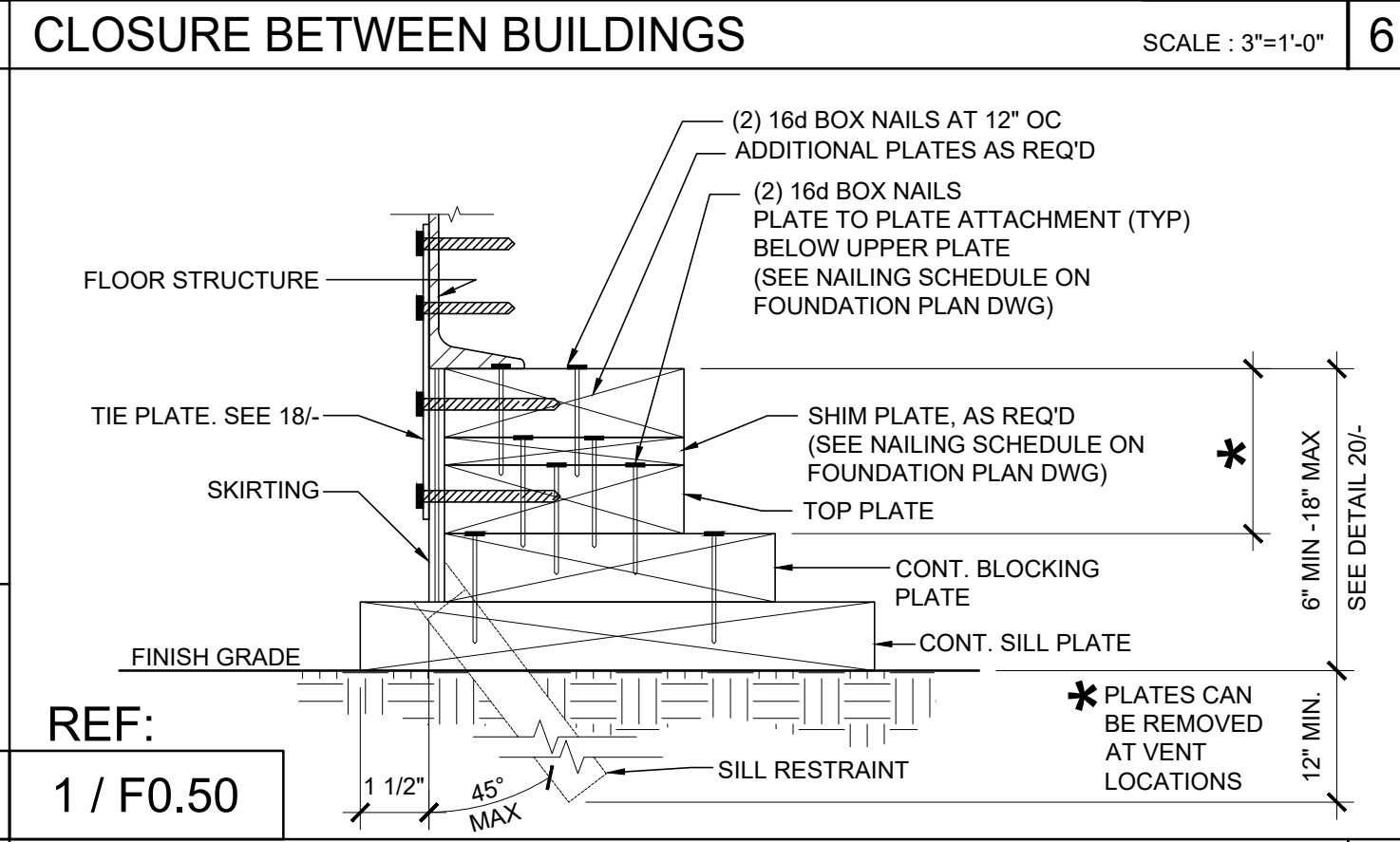
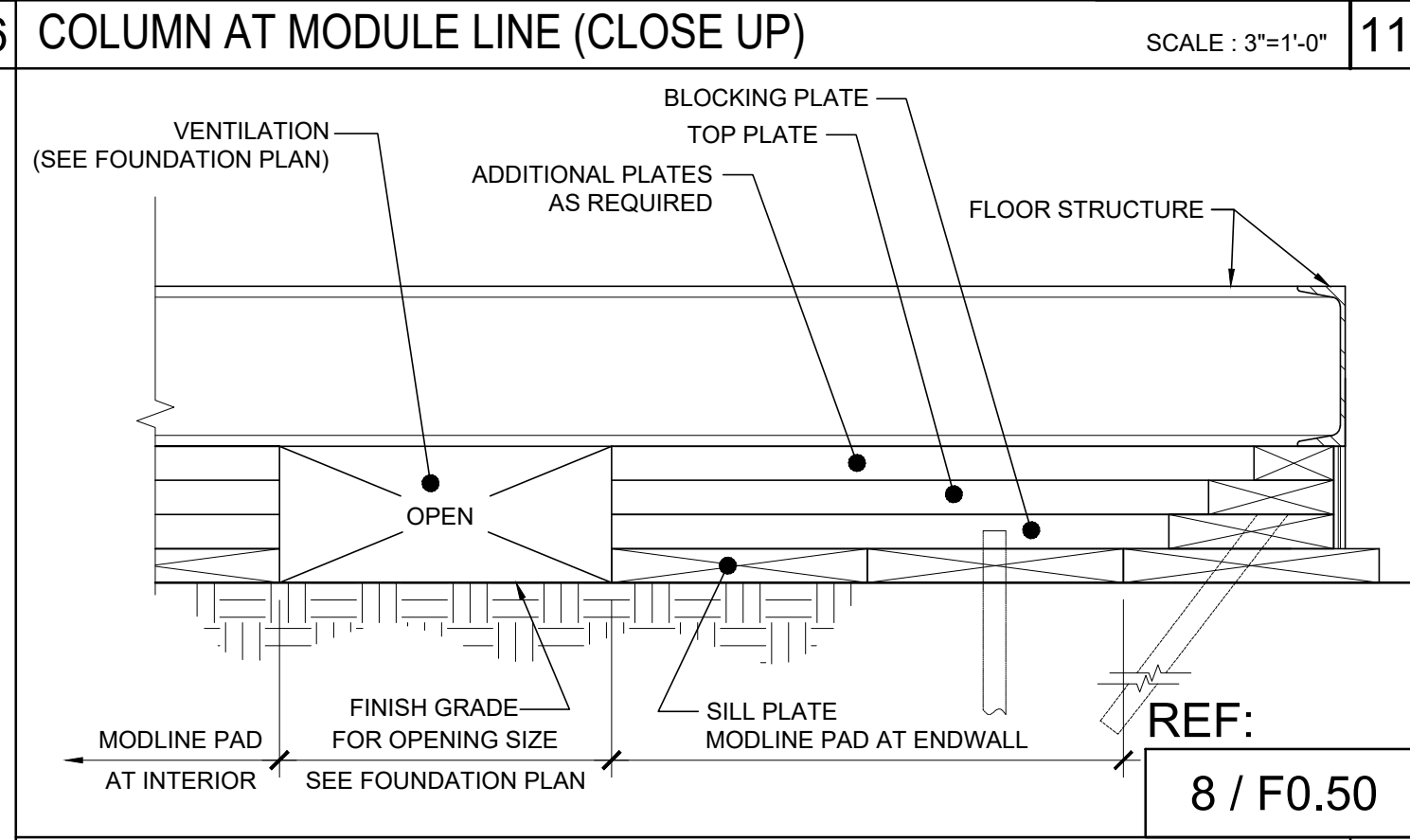
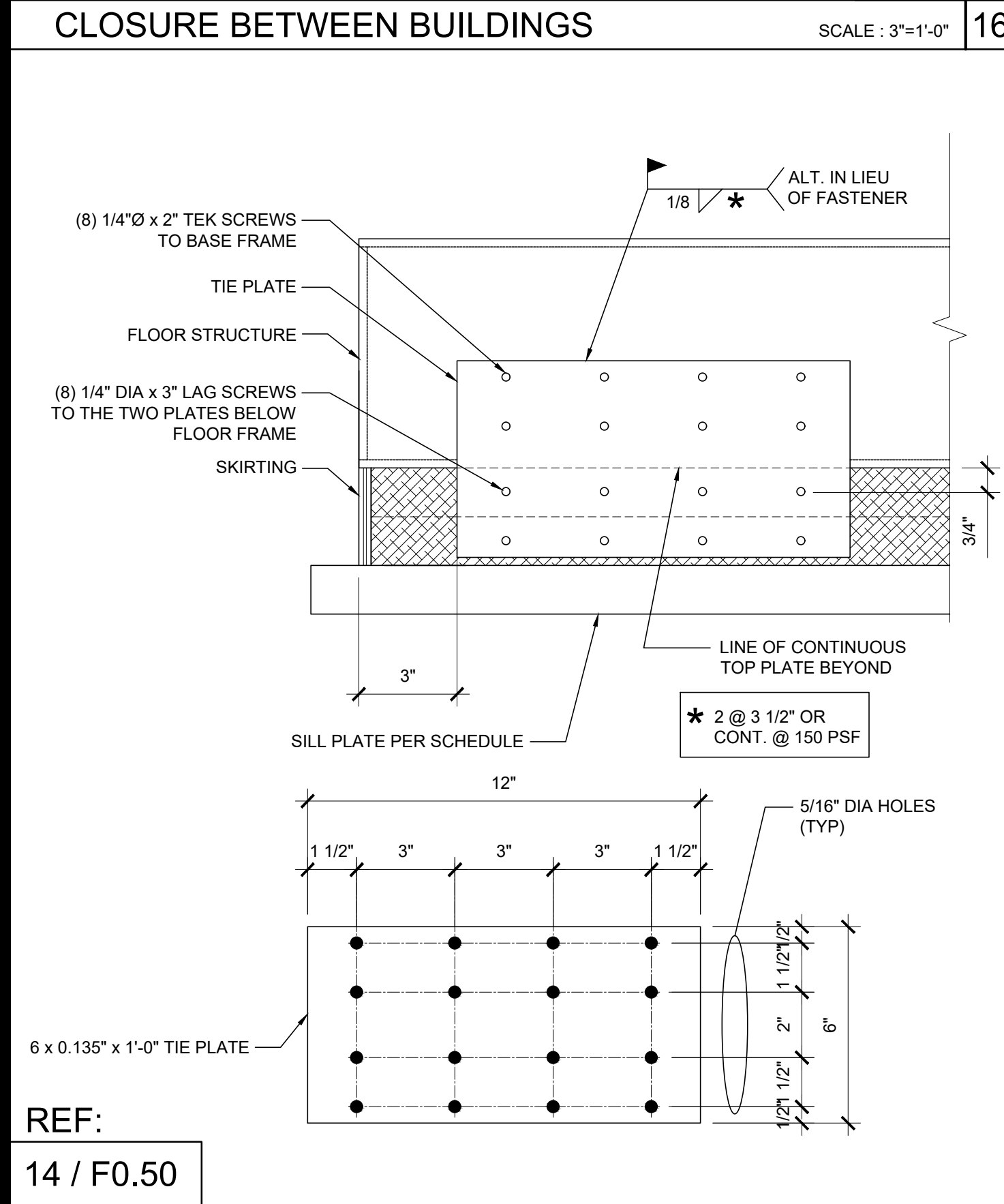
DATE: 02-27-2023

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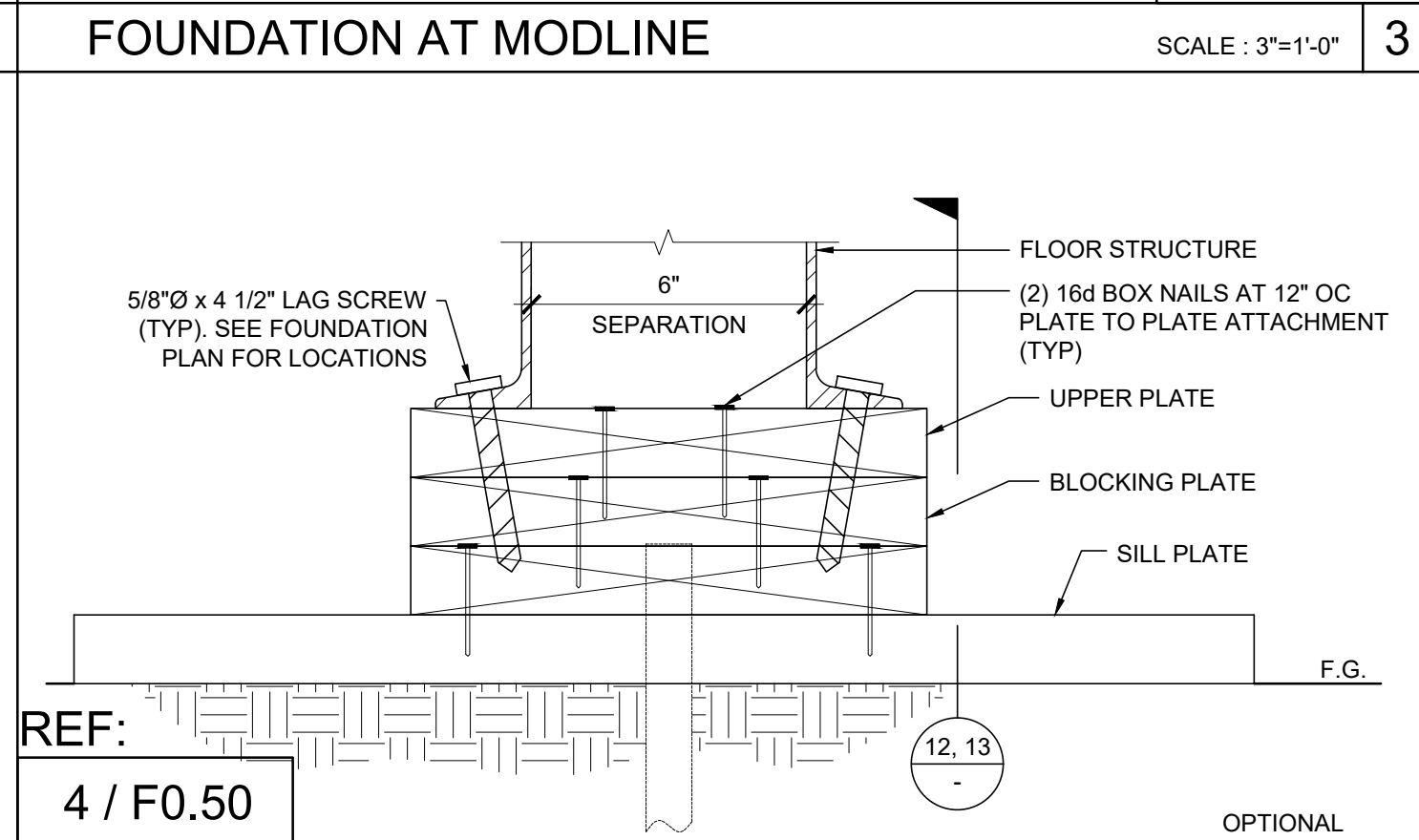
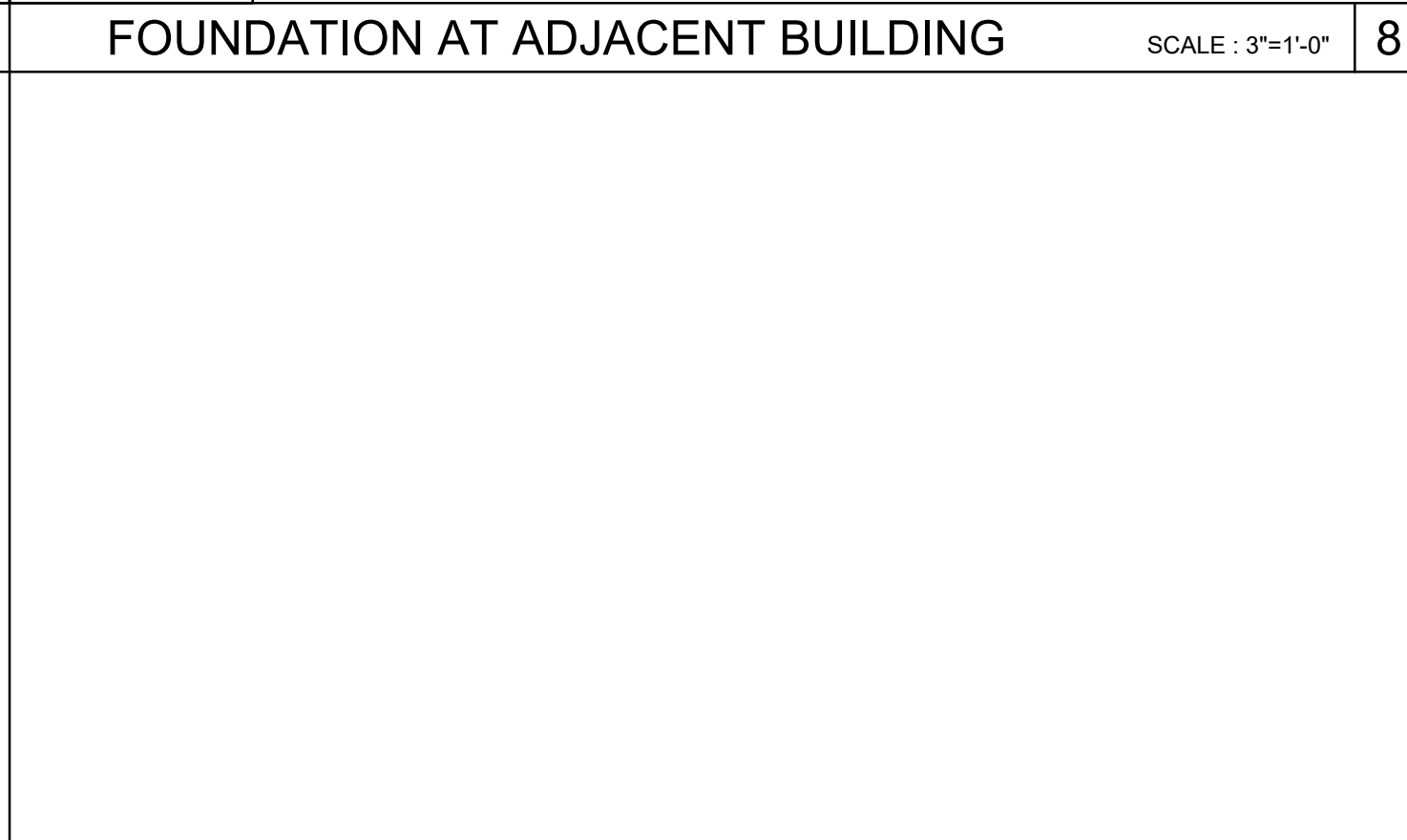
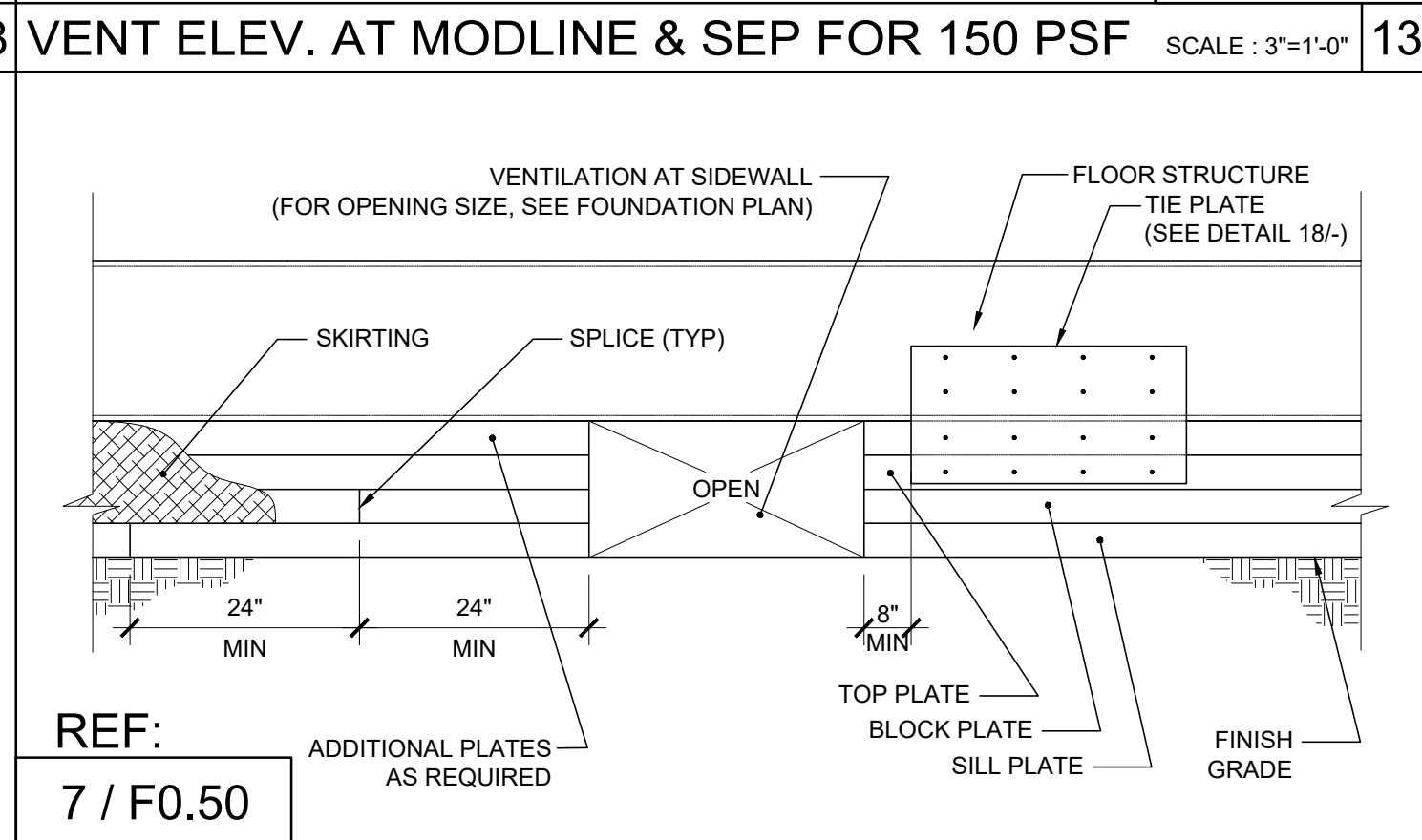
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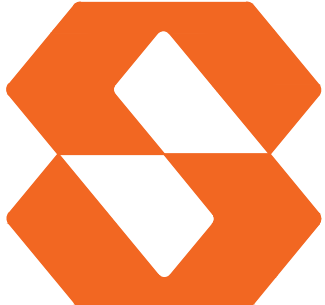


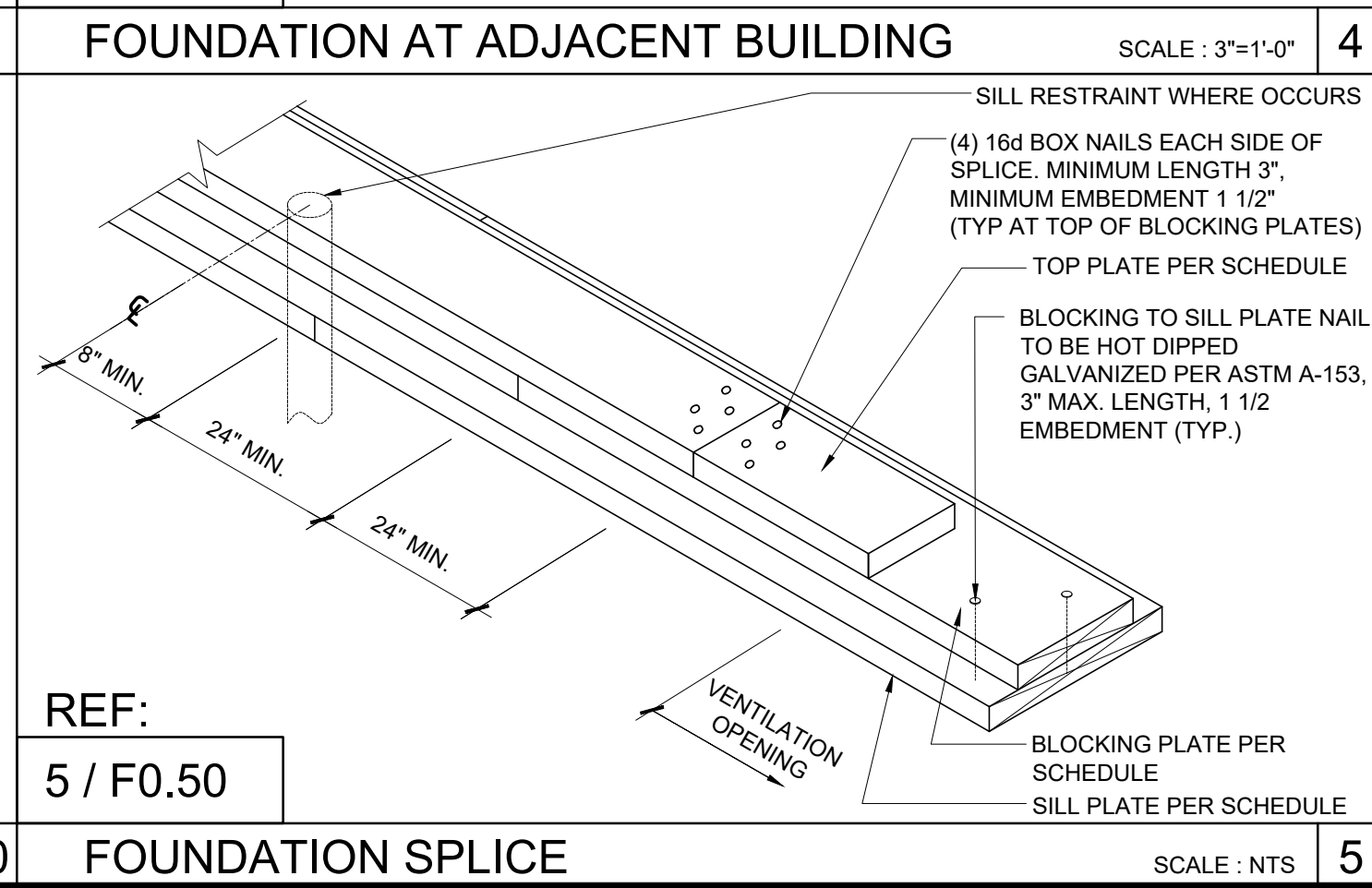
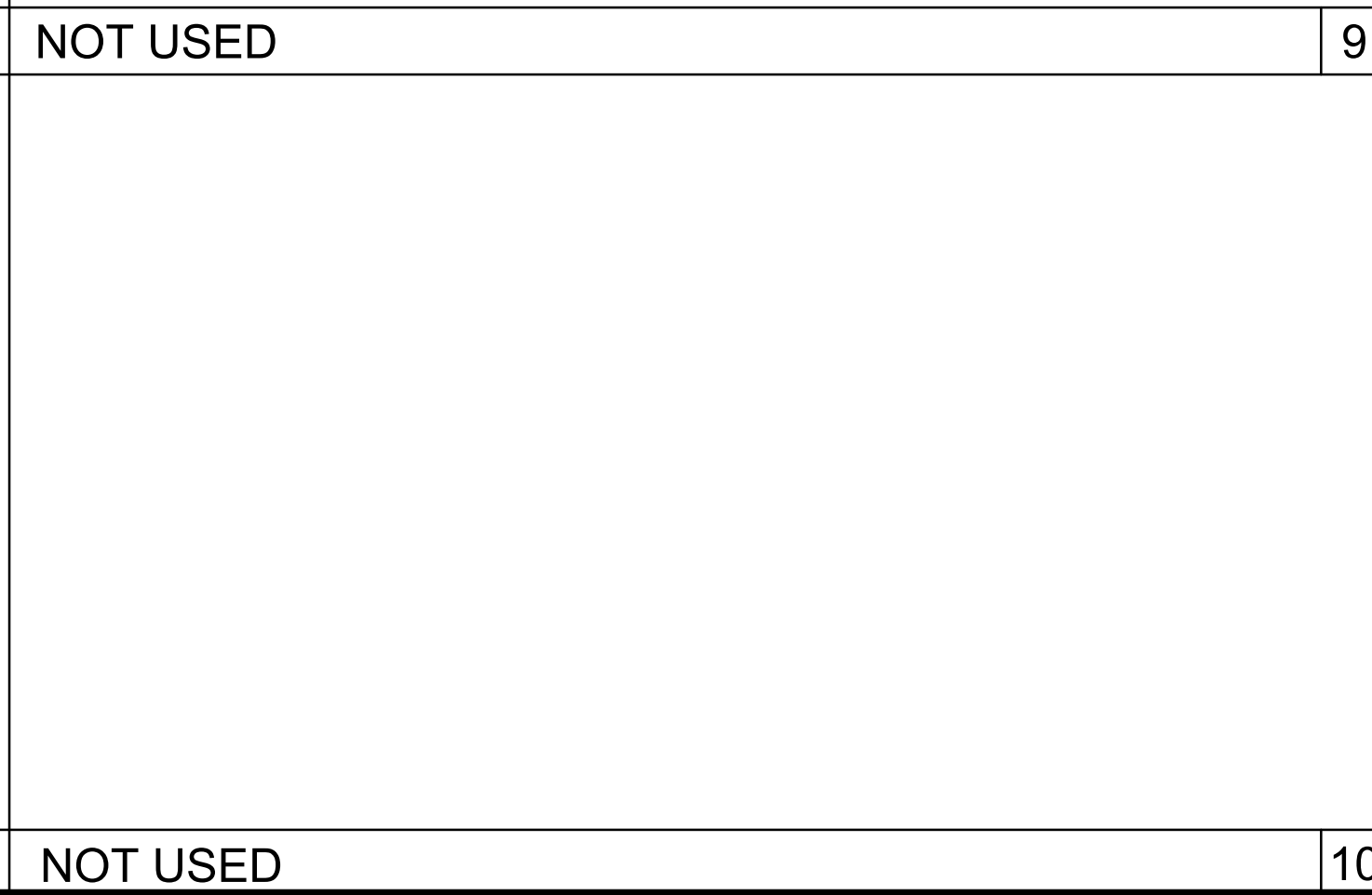
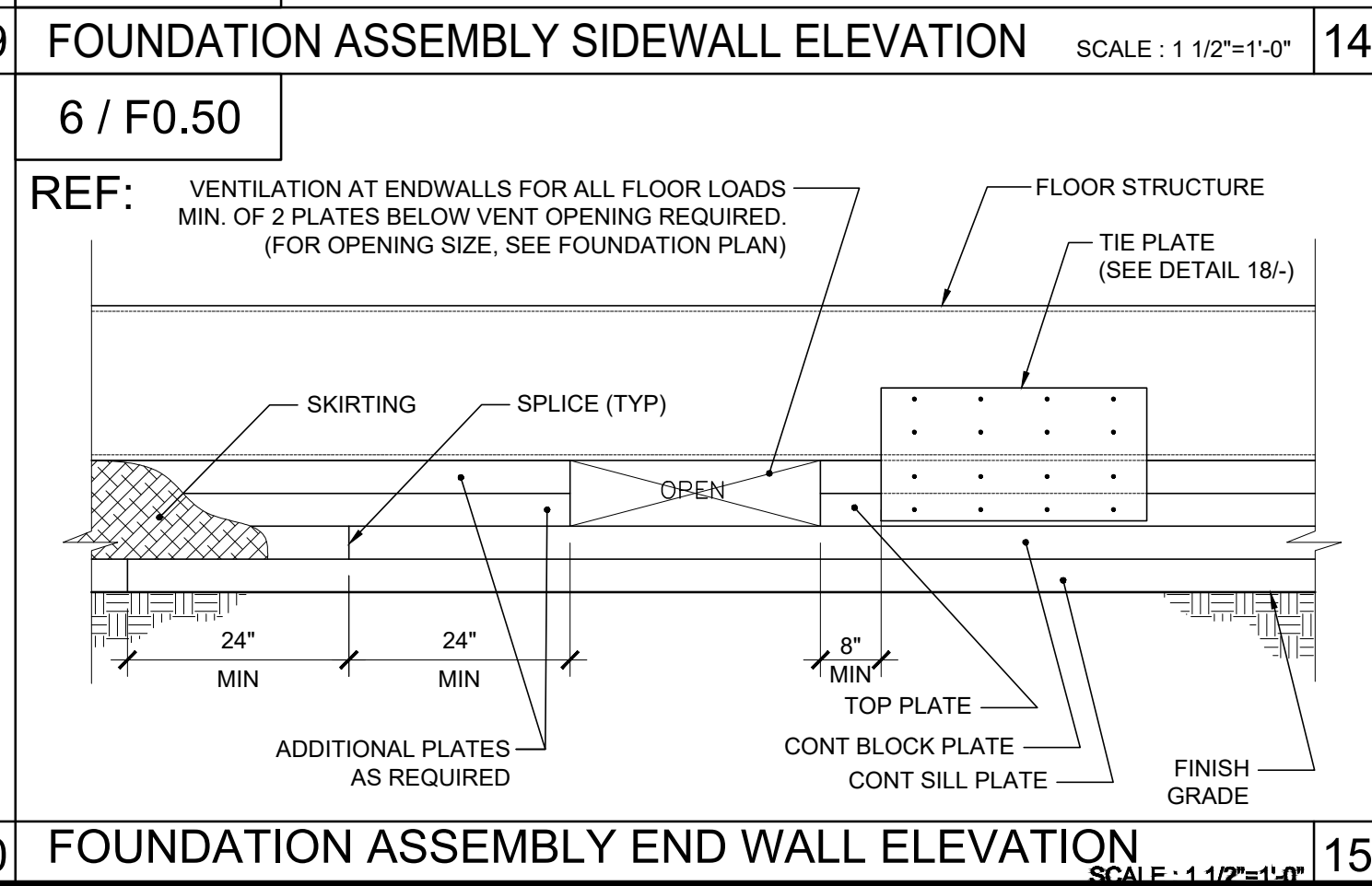
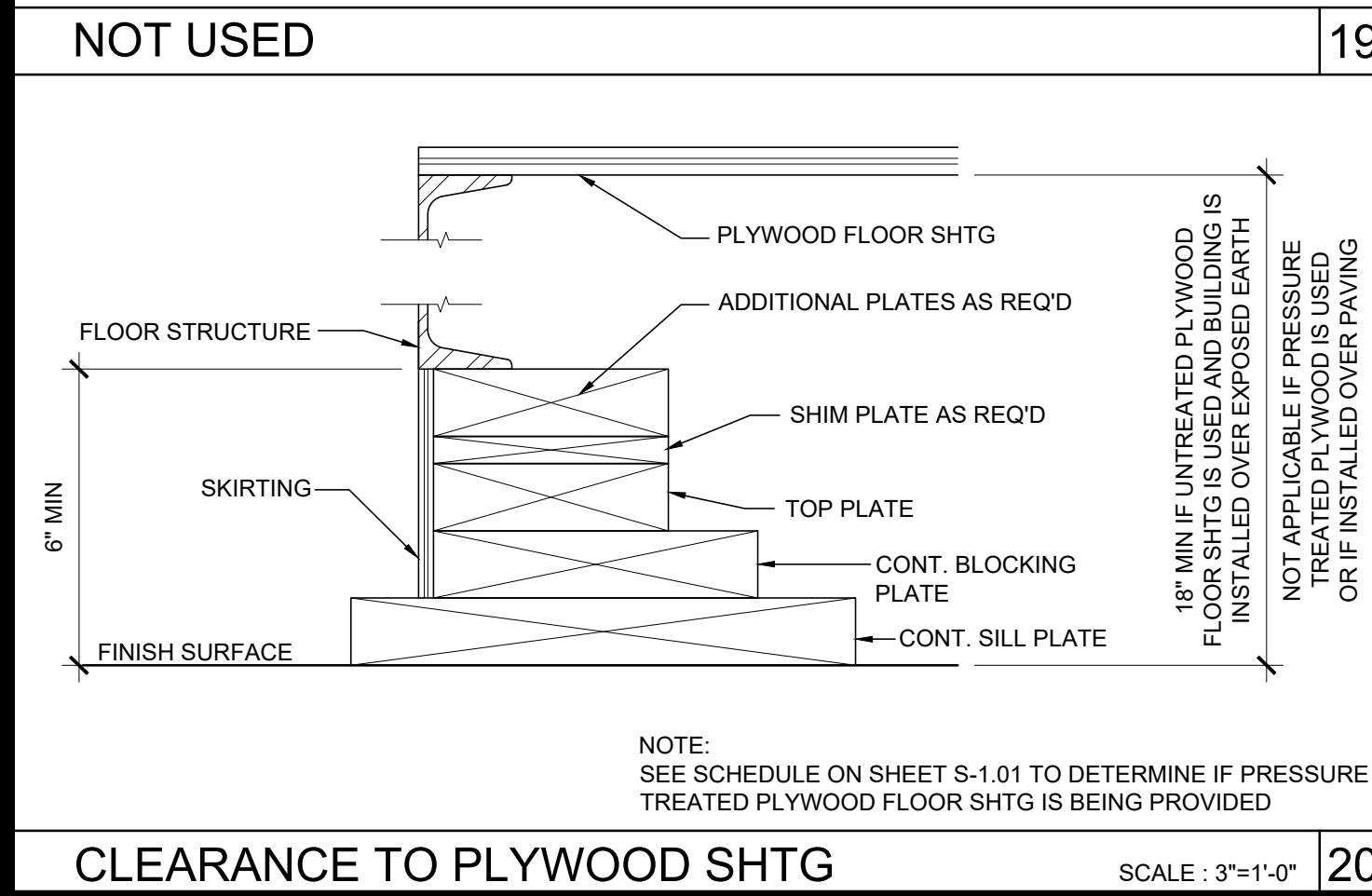
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PROJECT NAME:	
SHEET TITLE:	
BUILDING RELOCATION DETAILS	
REVISIONS	
<div><div>▲</div><div>▲</div></div>	



<div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">A</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">B</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">C</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">D</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">E</div>	
	<p>PRE-CHECK (PC) DOCUMENT</p> <p>CODE: 2022 CBC</p> <p>A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED</p>
	<div style="border: 2px solid black; border-radius: 50%; padding: 20px; margin: 20px auto; width: 200px; height: 200px; position: relative;"> <div style="position: absolute; top: -50px; left: 50px; right: 50px; border-left: 2px solid black; border-right: 2px solid black;"></div> <div style="position: absolute; bottom: -50px; left: 50px; right: 50px; border-left: 2px solid black; border-right: 2px solid black;"></div> <div style="position: absolute; left: 0; right: 0; top: 0; bottom: 0; background: linear-gradient(to top right, transparent 49%, black 49%, black 51%, transparent 51%, transparent 53%), linear-gradient(to bottom right, transparent 49%, black 49%, black 51%, transparent 51%, transparent 53%); background-size: 10px 10px;"></div> <p style="text-align: center; margin: 0;">IDENTIFICATION STAMP</p> <p style="text-align: center; margin: 0;">DIV. OF THE STATE ARCHITECT</p> <p style="text-align: center; margin: 0;">APP. 04-121999 INC.</p> <p style="text-align: center; margin: 0;">REVIEWED FOR</p> <div style="display: flex; justify-content: space-around; margin: 5px 0;"> SS <input type="checkbox"/> FLS <input type="checkbox"/> ACS <input type="checkbox"/> </div> <p style="text-align: center; margin: 0;">DATE: 08/31/2023</p> </div>
	<p>PC STATE AGENCY APPROVAL</p>
	
	<p><u>Silver Creek</u></p> <p>2830 BARRETT AVE PERRIS, CALIFORNIA 92571</p> <p>PHONE: 951-943-5393 FAX: 951-943-2211</p>



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	
REL-101	

MODULE LINE CLOSURE SCALE : 6"=1'-0" 16	ROOF CAP AT MODULE LINE - 0.030" ROOF SCALE : 3"= 1'-0" 11	MODULE LINE ROOF CAP - 0.018" ROOF SCALE : 3"=1'-0" 6	CONNECTION @ MODULE LINE SCALE : 3"=1'-0" 1
SEPARATION AT ROOF SCALE : 3"=1'-0" 17	ROOF CAP AT SEPARATION - 0.030" ROOF SCALE : 3"= 1'-0" 12	ROOF CAP AT SEPARATION - 0.018" ROOF SCALE : 3"=1'-0" 7	MODULE CONNECTION AT ROOF (OPTION) SCALE : 3"=1'-0" 2
			NOT USED 3
ROOF CAP AT MODULE LINE - 0.018" ROOF SCALE : 6"=1'-0" REF: 1b / A3.50	MODULE LINE ROOF CAP SCALE : NTS 13		
		8	
ROOF CAP AT MODULE LINE - 0.030" ROOF SCALE : 6"=1'-0" 18			MODULE LINE CONNECTION (OPTION 1) SCALE : 3"=1'-0" 9
			MODULE LINE - BOLTED CONNECTION SCALE : 3"= 1'-0" 4
MODULE LINE CONNECTION (OPTION 2) SCALE : 3"=1'-0" 20	MODULE LINE CONNECTION (OPTION 2) SCALE : 3"=1'-0" 15	MODULE LINE CONNECTION (OPTION 1) SCALE : 3"= 1'-0" 10	MODULE LINE - BOLTED CONNECTION SCALE : 3"= 1'-0" 5

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SHEET TITLE:

BUILDING RELOCATION 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. 04-12-1999 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

REL-102