
SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT

PROJECT: 20-25 **New TK Classrooms - Monte Verde ES & Junipero Serra ES, Proj. Nos. 19-25 & 20-25**

BID ADDENDUM NO. 3

PROJECT: **Monte Verde ES TK Building**
2551 St Cloud Dr, San Bruno, CA 94066

DATE: February 26, 2026

OWNER: South San Francisco Unified School District
398 B Street,
South San Francisco, CA 94080

DSA FILE NO.: 41-28

DSA APP. NO.: 01-122742

All prospective bidders are hereby notified that the plans and specifications for the project have been modified as outlined below. This Addendum must be attached to and considered part of the plans and specifications. Bidders are required to acknowledge receipt of this Addendum on the Bid Form. In the event of any discrepancies with previous addenda or communications, this Addendum shall take precedence. It is the bidder's responsibility to inform all subcontractors, both those solicited for bids and those from whom bids are accepted, of the changes included in this Addendum.

Addendum No. 3 provides the following:

UPDATED DOCUMENTS

1. ITEM NO. 01 – DSA Stamped Drawings

The Bid Document Item 004 Monte Verde ES TK Building Construction Documents V1 previously did not have DSA stamp on the drawings. The new bid document Item 004 Monte Verde ES TK Building Construction Documents V2 replaces the drawing set in its entirety with a DSA stamp. See Attachment 1.

The DSA approved drawing set did not change in content from the original bid drawings other than the missing DSA stamp. Several drawing sheets were replaced after DSA approval and have been conformed to the attached new drawing set. The replaced drawing sheets are noted in the following Item Numbers.

2. ITEM NO. 02 – Cover Sheet

Sheet G0.01 – Updated scope of work to include bioretention, new play structure and revised fire alarm scope description. Added sheet A1.11 in the sheet index.

3. ITEM NO. 03 – Site Plan

Sheet A1.10 – Added a play structure scope.

4. ITEM NO. 04 – Play Structure Plan

Sheet A1.11 – New drawing sheet.

5. ITEM NO. 05

Sheet E1.10 – Clarifies PA speaker routing to headend location at Building B

6. ITEM NO. 06 – DSA 103

DSA 103 List of Structural Tests and Special Inspections – Added list of structural tests and special inspections. See Attachment 2.

BIDDER QUESTIONS

7. ITEM NO. 07

Inquiry: Please confirm the portable is 100% prefinished by the manufacturer, or if there is any interior and/or exterior scope for the bidders to complete.

Response: EMS system stub-outs containing wires, water system chlorination testing, DF barriers/guardrails, weld plate installation by site GC. All wire, controls, devices, equipment and connections for all low voltage systems by site GC. See Item No. 14 for further EMS installation information.

8. ITEM NO. 08

Inquiry: Please advise if there is any signage scope.

Response: Tactile signs, room ID, room signage and accessibility signage at the TK building by site GC. There is also signage scope for the accessible upgrade for the Building D restroom by site GC.

9. ITEM NO. 09

Inquiry: Please advise if there is any fire sprinkler scope.

Response: There is no fire sprinkler scope.

10.ITEM NO. 10

Inquiry: Per Detail E4.10 (PA Speaker Riser Diagram), it indicates installing new wiring from the existing IDF-P1 to the existing PA headend equipment. However, the drawings do not indicate the location of the PA headend equipment or the routing of the existing conduit to be used.

Response: The PA headend location and routing is clarified and indicated in sheet E1.10 of Attachment 1.

11.ITEM NO. 11

Inquiry: Speaker/Clock catalog cut

Response: Speaker/Clock devices to be provided by others.

CLARIFICATIONS

12. ITEM NO. 12 – Project Estimate & Prequalification Requirement

Engineer's Estimate

The Engineer's Estimate for the TK Classrooms at Monte Verde Elementary School (MVES) and Junipero Serra Elementary School (JSES) is Nine Hundred Thousand Dollars (\$900,000).

Prequalification Requirement

Only the Prime (General) Contractor shall be required to be prequalified through PQBids at the time of bid submission. Subcontractors are not required to be prequalified for this Project.

13. ITEM NO. 13 - Weekend Work Allowance

All Contractors shall include in their bids a total of twelve (12) days of weekend work. Weekend work shall include all labor, supervision, coordination, and associated costs. No additional compensation shall be requested for weekend work included herein.

14. ITEM NO. 14 – Energy Management System (EMS) Coordination

Contractor Scope:

- Provide stub-outs, conduit, and continuous wiring from the modular building / Bard unit to the nearest point of connection to the District's Global Energy Management System.
- Provide all required raceways, pull strings, and penetrations for EMS integration.

Syserco Scope:

- Terminate, program, and commission all EMS wiring.
- Integrate EMS controls into the District's Global Management System.

15. ITEM NO. 15 – Security System Coordination

Contractor Scope:

- Provide stub-outs, conduit, and shielded stranded inductor cabling (minimum 22 AWG) from the modular building to the nearest Sonitrol security panel.
- Provide home-run cabling from security devices to the designated Sonitrol panel location.
- Provide all required pathways to connect the modular building security system to the main building infrastructure.

Modular Manufacturer (Silver Creek) Scope:

- Provide conduit and piping pathways within the modular building for the following security devices:
 - Door position switch (DPS)
 - Security microphone
- Provide accessible routing from devices to the designated low-voltage entry point.

By Others:

- Security devices (DPS, microphone) shall be furnished by others.
- Programming, monitoring, and final commissioning shall be by Sonitrol

16. ITEM NO. 16 – Emergency Egress During School Hours

Contractor shall maintain all points of egress around areas of construction during school hours per CBC 2022.

17. ITEM NO. 17 – Bid Due Date and Opening

Bid Due Date and Opening: March 12th, 2026 at 2:00 pm (via Zoom as previously noticed)

18.ITEM NO. 18 – Revised Schedule of Milestones

- Notice to Proceed: April 2, 2026
- Crane Readiness (Both Sites): May 16, 2026
- Substantial Completion (Both Sites): June 26, 2026 (no change)

ATTACHMENTS:

- 1: DSA approved drawing set with conformed drawing sheets:
G0.01, AD1.10, A1.10, A1.11, E1.10
- 2: DSA 103 – List of Structural Tests and Special Inspections

END OF BID ADDENDUM ITEMS

GENERAL NOTES

1. THESE DOCUMENTS ARE THE PROPERTY OF SIM AND ARE NOT TO BE USED FOR ANY OTHER THAN THE LOCATION SHOWN HEREON. NO CHANGES ARE TO BE MADE ON THESE DOCUMENTS WITHOUT THE KNOWLEDGE OR CONSENT OF THE ARCHITECT OR ENGINEER WHOSE SIGNATURE APPEARS HEREON.

2. WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2022 CALIFORNIA BUILDING CODE AS ADOPTED BY THE CITY AND ALL OTHER GOVERNING AUTHORITIES HAVING JURISDICTION.

3. REQUEST ASBESTOS INFORMATION REGARDING THIS PROJECT TO THE HUSD PRIOR TO BID. THE CONTRACTOR IS ADVISED THAT, PART OF THE DEMOLITION WORK REQUIRED FOR THIS PROJECT, MAY INCLUDE ASBESTOS CONTAINING MATERIALS WHICH MUST BE REMOVED/DEMOLISHED ACCORDING TO THE ASBESTOS REMOVAL AND DISPOSAL PROCEDURES.

4. THE CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AND NOTIFY THE OWNERS REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK. IF SITE CONDITIONS ARE FOUND TO BE DIFFERENT FROM THE DRAWINGS, PROTECT ALL UTILITY LINES DURING CONSTRUCTION. IF DISCONNECTION IS REQUIRED COORDINATE WITH THE ARCHITECT PRIOR TO WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECONNECTION FOR A FULLY OPERATIONAL SYSTEM.

5. THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION WHEN PERFORMING THEIR WORK TO PREVENT DAMAGE TO EXISTING MATERIALS AND SURFACES DURING CONSTRUCTION. ALL DAMAGE TO BE REPAIRED BY THE INDIVIDUAL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR WILL CLEAN UP PAINT OVERSPRAY, DRIPS ETC.

6. ALL DIMENSIONS SHOWN ARE TO FACE OF FINISH, (U.O.N.). DO NOT SCALE FROM DRAWINGS, FIGURED DIMENSIONS GOVERN OVER NOMINAL DIMENSIONS.

7. ALL HEIGHTS ARE DIMENSIONED FROM FINISHED FLOOR, (U.O.N.).

8. "TYPICAL" OR "TYP." SHALL INDICATE STANDARD FOR OTHER LIKE CONDITIONS THROUGHOUT THE WORK.

9. "SIMILAR" MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITIONS NOTED. VERIFY DIMENSIONS AND ORIENTATION ON PLAN AND/OR ELEVATIONS.

10. ALL WORK IS TO BE DONE IN SUCH A WAY AS NOT TO DISRUPT THE BUILDING'S NORMAL BUSINESS OPERATIONS. DISRUPTIVE WORK IS TO BE COORDINATED WITH THE OWNER AND/OR THE OWNER.

11. ALL MATERIALS ARE TO BE NEW, UNUSED, AND OF THE HIGHEST QUALITY. ALL WORK SHALL BE PERFORMED IN A THOROUGH, PROFESSIONAL MANNER. ALL WORK TO BE EQUAL TO THE BEST STANDARDS OF PRACTICE.

12. MATERIALS ARE SPECIFIED BY BRAND NAMES TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE. ANY REQUEST FOR SUBSTITUTION SHALL BE SUBMITTED FOR REVIEW TO THE ARCHITECT. MATERIALS SHALL NOT BE PURCHASED OR INSTALLED WITHOUT THE ARCHITECT'S WRITTEN APPROVAL.

13. NO WORK DEFECTIVE IN CONSTRUCTION OR QUALITY OR DEFICIENT IN ANY REQUIREMENTS OF THE CONTRACT DOCUMENTS WILL BE ACCEPTABLE DESPITE THE ARCHITECT'S FAILURE TO DISCOVER SUCH DEFECTS. ALL DEFECTIVE WORK DISCOVERED WITHIN THE TIME REQUIRED BY GUARANTEES SHALL BE REPLACED BY WORK CONFORMING WITH THE INTENT OF THE CONTRACT. NO PAYMENT EITHER PARTIAL OR FINAL SHALL BE CONSTRUED AS AN ACCEPTANCE OF DEFECTIVE WORK OR IMPROPER MATERIALS.

14. IT IS INTENDED THAT THE CONTRACTOR PROVIDE A COMPLETE JOB AND ANY OMISSIONS IN THESE NOTES OR IN THE OUTLINE OF WORK SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR OF SUCH RESPONSIBILITIES IMPLIED BY THE SCOPE OF THEIR WORK EXCEPT FOR ITEMS SPECIFICALLY NOTED.

15. SHOULD ANY PORTION OF THE CONTRACT DOCUMENTS PROVE TO BE UNEFFECTABLE, SUCH UNENFORCEABILITY SHALL NOT EXTEND TO THE REMAINDER OF THE CONTRACT NOR SHALL IT VOID ANY OTHER PROVISIONS OF THE CONTRACT.

16. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK REQUIRING ADDITIONAL COMPENSATION BEYOND THE CONTRACT AMOUNT WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER'S REPRESENTATIVE. FAILURE TO OBTAIN AUTHORIZATION SHALL INVALIDATE ANY CLAIM FOR EXTRA COMPENSATION.

17. UPON COMPLETION OF THE WORK OR SHORTLY BEFORE, OWNER'S REPRESENTATIVE SHALL PREPARE A "PUNCH LIST" IN WALK-THROUGHS WITH THE CONTRACTOR. FINAL PAYMENT WILL BE CONTINGENT UPON THE COMPLETION OF THESE ITEMS TO BE CORRECTED, COMPLETED OR UNSATISFACTORILY COMPLETED FOLLOWING FINAL PAYMENT SHALL NOT NEGA- NOR DIMINISH THE CONTRACTOR'S RESPONSIBILITY TO COMPLETE OR REPAIR THESE ITEMS AS SOON AS POSSIBLE.

18. THE CONTRACTOR AND ITS SUBCONTRACTORS SHALL PURCHASE AND MAINTAIN CERTIFICATIONS OF INSURANCE WITH RESPECT TO WORKER'S COMPENSATION, PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE LIMITS AS REQUIRED BY THE BUILDING OWNER AND OR LAW WHICHEVER IS MOST STRINGENT. THE CONTRACTOR SHALL BE RESPONSIBLE OF INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS IN CONNECTION WITH THE WORK.

19. CONTRACTOR SHALL, AT ALL TIMES DURING THE COURSE OF THE WORK, KEEP THE CONSTRUCTION AREA, THE OWNER'S PREMISES, INCLUDING STREETS AND OTHER AREAS USED BY THE CONTRACTOR, CLEAN AND FREE FROM ACCUMULATION OF WASTE MATERIALS AND RUBBISH. CONTRACTOR SHALL PROVIDE DUST CONTROL MEASURES AS REQUIRED. AT THE COMPLETION OF THE WORK, REMOVE FROM THE BUILDING AND THE PREMISES ALL SURPLUS MATERIALS AND DEBRIS, AND CLEAN THE SITE THOROUGHLY TO THE SATISFACTION OF THE OWNER.

20. FACILITIES HANDLING, STORING, SELLING, AND USING HAZARDOUS, COMBUSTIBLE, OR FLAMMABLE MATERIALS SHALL COMPLY WITH THE APPLICABLE SECTIONS OF THE CALIFORNIA FIRE CODE.

21. THE ARCHITECT IS NOT RESPONSIBLE FOR ANY WORK RELATED TO THE IDENTIFYING AND REMOVAL OF HAZARDOUS MATERIALS FROM THE PROJECT SITE. ANY DRAWING OR INFORMATION RELATING TO HAZARDOUS MATERIALS INCLUDED IN THIS DRAWING SET IS FOR REFERENCE PURPOSES ONLY. IN THE EVENT THAT HAZARDOUS MATERIALS ARE SUSPECTED OR DISCOVERED DURING WORK, THE CONTRACTOR WILL STOP WORK IN THE AREA, NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE, AND NOT RESUME WORK UNTIL INSTRUCTED TO DO SO.

22. EXISTING CONSTRUCTION INFORMATION SHOWN ON THE DRAWINGS WAS OBTAINED FROM THE OWNER'S ORIGINAL CONSTRUCTION AS-BUILT DRAWINGS. THESE ORIGINAL CONSTRUCTION DRAWINGS ARE AVAILABLE AT THE ARCHITECT'S OFFICE FOR REVIEW. THE ORIGINAL CONSTRUCTION DRAWINGS ARE NOT A PART OF THE CONSTRUCTION DOCUMENTS AND DO NOT WARRANT EXISTING CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ALL EXCEPTIONS BEFORE PROCEEDING WITH THE WORK.

23. PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, UTILITIES AND OTHER SERVICES AND RELATED TASKS NECESSARY FOR THE EXECUTION OF THE CONSTRUCTION AS REQUIRED BY THE CONTRACT DOCUMENTS.

24. INCIDENTAL WORK IS PART OF THIS CONTRACT. INCIDENTAL WORK SHALL BE DEFINED AS WORK NOT SPECIFICALLY INDICATED IN THE CONTRACT DOCUMENTS THAT MAY BE NECESSARY TO MATCH THE WORK TO EXISTING ELEMENTS.

25. DISCOVERY OF DETEIORATING AND NON-CONFORMING CONDITIONS WILL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. CORRECTIVE WORK WILL BE PERFORMED AS DIRECTED BY THE ARCHITECT AND APPROVED BY THE DISTRICT.

26. GENERAL NOTES SHALL APPLY TO THE ENTIRE WORK UNDER THIS CONTRACT.

27. SHEET NOTES APPLY TO THE DRAWING SHEET ON WHICH THEY OCCUR. IN CONFLICTS BETWEEN THE SHEET NOTES AND THE GENERAL NOTES, SHEET NOTES SHALL GOVERN. KEY NOTES REFER DRAWIN ITEMS TO THE SPECIFICATIONS.

28. IN THE EVENT THAT THERE IS DISCREPANCIES BETWEEN THE DRAWINGS AND SPECIFICATIONS, OR WITHIN THE SPECIFICATIONS, THE MOST EXPENSIVE MATERIAL AND/OR INSTALLATION SHALL BE THE BASIS OF THE BID, AND THEREFORE SHALL SUPERCEDE ANY INFERIOR MATERIAL IN TERMS OF QUALITY OR MONETARY VALUE.

29. FASTENING AND NAILING OF WOOD MEMBERS SHALL BE IN ACCORDANCE WITH THE NAILING SCHEDULE FOUND IN CALIFORNIA BUILDING CODE (CBC) SECTION 2304.9.1.

30. ALL CONSTRUCTION WORK: ARCHITECTURAL, MECHANICAL, ELECTRICAL, ETC. SHALL BE CARRIED OUT IN ACCORDANCE WITH ALL CODES, RULES, AND REGULATIONS GOVERNING CONSTRUCTION AND THE USE OF FACILITIES AS SET BY FEDERAL, STATE, AND LOCAL CODES AND ORDINANCES.

31. CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK AS REQUIRED TO PREPARE THE SPACE FOR NEW CONSTRUCTION. DEMOLITION SHALL BE PERFORMED IN A SAFE, ORDERLY MANNER WITHOUT DAMAGE TO OTHER PARTS OF THE PREMISES AND ADJACENT PROPERTIES. ANY RESULTING DAMAGE OR LOSS SHALL BE CORRECTED/REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER. ALL DEMOLISHED/REMOVED ITEMS SHALL BE DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE DIRECTED BY THE OWNER. VERIFY WITH THE OWNER ON ITEMS TO BE SAVED AND STORED. ALL REMOVED ITEMS TO BE SAVED FOR REUSE SHALL BE HANDLED WITH CARE. CUT ALL DEMOLITION TO A STRAIGHT LINE AT EXISTING CONDITION. PROTRUDING OBJECTS ON ALL SURFACES SHALL BE REMOVED, AND THE AREA FILLED AND REPAIRED.

32. COORDINATION:

A. THE CONTRACTOR SHALL COORDINATE LAYOUT DIMENSIONS INDICATED ON THE CONSULTANTS' DRAWINGS WITH THOSE INDICATED ON THE ARCHITECTURAL DRAWINGS. ALL DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING THE WORK.

B. IN THE EVENT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE CONSTRUCTION DOCUMENTS, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE SHOWN.

C. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, INCLUDING ELECTRICAL, MECHANICAL, TELEPHONE, SECURITY REQUIREMENTS, AND ETC. BEFORE CONSTRUCTION BEGINS.

D. THE CONTRACTOR SHALL COORDINATE THE LOCATIONS OF ALL LIGHTS, AIR OUTLET AND INLET REGISTERS, SMOKE DETECTORS, ET. AL, BEFORE CONSTRUCTION BEGINS.

33. USE HAND TOOLS TO REMOVE SOIL, PAVING AND OTHER CONSTRUCTION WITHIN 15 INCHES OF EXISTING BUILDING.

34. CLEAN SURFACES REMAINING EXPOSED AFTER DEMOLITION WORK TO MATCH EXISTING ADJACENT SURFACES OR PREPARE FOR NEW WORK.

35. THE INFORMATION SHOWN ON THE ABOVE-MENTIONED SHEETS HAS BEEN COMPILED FROM VARIOUS SOURCES AND MAY NOT BE REFLECTIVE OF THE ACTUAL CONDITIONS AT THE TIME OF CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO MAKE ALL NECESSARY INVESTIGATIONS TO BECOME FAMILIAR WITH THE FACILITY PRIOR TO BID SUBMISSION. UNFAMILIARITY WITH THE SITE CONDITIONS WILL NOT BE ACCEPTED AS A BASIS FOR ADDITIONAL CONTRACTOR COMPENSATION.

36. DISCREPANCIES NOTED BY THE CONTRACTOR IN THE DRAWINGS OR SPECIFICATIONS MUST BE BROUGHT TO THE DISTRICT'S ATTENTION PRIOR TO BID SUBMISSION.

37. ALL COMMENTS NOTED ON THE DETAIL DRAWINGS ARE TO BE NEW AND PROVIDED WITHIN THIS CONTRACT UNLESS SPECIFICALLY IDENTIFIED AS EXISTING.

38. WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS APPLICABLE TO THE PROJECT.

39. COMPLIANCE WITH CFC CHAPTER 14, FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION AND CBC CHAPTER 33, SAFETY DURING CONSTRUCTION WILL BE ENFORCED.

40. ALL SURFACES OF NEW CONSTRUCTION SHOULD BE PAINTED OR APPLIED FINISH MATERIALS PER DESIGN DOCUMENT OR ARCHITECT'S INSTRUCTION, UON.

41. THE CONTRACTOR SHALL VERIFY SITE CONDITION AND FEASIBILITY OF INSTALLATION BEFORE PROCURING PRODUCTS. SUBMITTALS ARE REQUIRED FOR THE DOOR AND GATES.

42. ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CBC AND CFC, AND THE WRITTEN SITE FIRE SAFETY PLAN.

USE THE FOLLOWING CODES AND REGULATIONS WITH THE LATEST AMENDMENTS & SUPPLEMENTS:

2025 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR VOLUME 1 AND 2
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 (CEC), PART 6, TITLE 24 CCR
2022 CALIFORNIA FIRE CODE (CFC), PART 8, TITLE 24 CCR
2022 CALIFORNIA EXISTING BUILDING CODE (CEBO), PART 10, TITLE 24 CCR
2022 CALIFORNIA GREEN BUILDING CODE (CALGREEN), PART 11, TITLE 24 CCR
2022 CALIFORNIA REFERENCE STANDARDS CODE (CRS), PART 12, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

NATIONAL STANDARDS:

NFPA 13 – STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED) — 2022 EDITION
NFPA 14 – STANDARD FOR THE INSTALLATION OF STANDPIPE
AND HOSE SYSTEMS (CA AMENDED) — 2019 EDITION
NFPA 17 – STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS — 2021 EDITION
NFPA 17A – STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS — 2021 EDITION
NFPA 20 – STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION — 2019 EDITION
NFPA 22 – STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION — 2019 EDITION
NFPA 24 – STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (CA AMENDED) — 2019 EDITION
NFPA 72 – NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED) — 2022 EDITION
NFPA 80 – STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES — 2019 EDITION
NFPA 2001 – STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED) — 2018 EDITION
UL 300 – STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT — 2005 (R2010)
UL 464 – AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES — 2003 EDITION
UL 521 – STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS — 1999 EDITION
UL 1971 – STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED — 2002 (R2010)
ICC 300 – STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS — 2017 EDITION

DEFERRED SUBMITTAL: NONE

OWNER

SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
398 B STREET,
SOUTH SAN FRANCISCO, CA 94080
650-877-8700

ARCHITECT

SIM ARCHITECTS, INC.
3675 MT. DIABLO BOULEVARD, SUITE 310
LAFAYETTE, CA 94549
415-362-8081

MODULAR MANUFACTURER

SILVER CREEK MODULAR, LLC
2830 BARRETT AVENUE,
PERRIS, CA 92571
951-943-5393

CIVIL

BKF ENGINEERS
1640 N. CALIFORNIA BOULEVARD, SUITE 400
WALNUT CREEK, CA 94596
925-940-2200

MECHANICAL & PLUMBING

H&M MECHANICAL GROUP
8105 EDGEWATER DR, SUITE 114
OAKLAND, CA 94621
510-589-2200

ELECTRICAL, FIRE ALARM & LOW VOLTAGE

BELDEN CONSULTING ENGINEERS
8700 KOLL CENTER PARKWAY, SUITE 300
PLEASANTON, CA 94566
925-621-5300

SCOPE OF WORK

1. INSTALLATION OF (1) 1,440 SF MODULAR CLASSROOM BUILDING BASED ON DSA PC APP NO. 04-121999 & THE ASSOCIATED STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING WITHIN THE PC DRAWING.

2. DEMOLITION:

A. CLEAR AND GRUB WITHIN LIMITS OF DEMOLITION

B. EXPOSURE OF (E) UTILITIES PRIOR TO DEMOLITION/EXCAVATION

C. CONFIRM LOCATION AND DEPTH SUFFICIENT TO ALLOW CONSTRUCTION OF PLANNED PAVEMENT & MODULAR CONSTRUCTION

D. EXCAVATION/DEMOLITION TO PREPARE FOR PLANNED PAVEMENT & MODULAR BUILDING CONSTRUCTION

E. TREE REMOVAL

F. SAWCUTTING AT NOTED AREAS

G. PROTECTION OF (E) BUILDINGS, STRUCTURES AND UTILITIES

H. DEMOLITION OF PLAY STRUCTURE AND ASSOCIATED FOOTING, FALL PROTECTION & MATTING.

3. SITE WORK AND UTILITY WORK ASSOCIATED TO THE INSTALLATION OF THE MODULAR CLASSROOM.

A. EROSION CONTROL

B. (N) CHAIN LINK FENCING & GATES

C. (N) CONCRETE AND ASPHALT PAVING

D. (N) LOW VOLTAGE CONNECTIONS & DEVICES, BUT NOT LIMITED TO PA/CLOCK SPEAKER, AND DATA REPLACEMENT OF (E) SIEMENS MXL-1Q PANEL W/ (N) SIEMENS DESIGO FIRE ALARM VOICE EVAC. PANEL AND ASSOCIATED INITIATING AND NOTIFICATION DEVICES W/ ASSOCIATED WIRING AND WALL PATCHING.

E. SIGNAGE REPLACEMENT & TOILET ACCESSORY RELOCATION W/ PATCHING AT BLDG D RESTROOM

F. (N) PLAY STRUCTURES AND ASSOCIATED PLAYMATTING.

SHEET INDEX NOMENCLATURE

SHEET NUMBER

BUILDING AREA

LEVEL REFERENCE

SHEET SERIES TYPE

DISCIPLINE

SUBDISCIPLINE

NOTE:

NOT APPLICABLE TO MODULAR MANUFACTURER OR PC-DRAWING SHEET NOMENCLATURE

STATEMENT OF GEN. CONFORMANCE

APPLICATION NO. 01-122742 FILE NO. 41-28

☒ THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET

☐ THIS DRAWING, PAGE OF SPECIFICATIONS/CALCULATIONS

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND AUTHORZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1. DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND

2. COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344" OF TITLE 24, PART 1, (TITLE 24, PART 1, SECTION 4-316 (B))

I CERTIFY THAT: ☒ ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET ☐ THIS DRAWING OR PAGE

SIGNATURE DATE

EUGENE SIM

PRINT NAME

C-26432

LICENSE

05/31/2027

EXPIRATION

SIGNATURE DATE

ARCHITECT / ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE

PRINT NAME

LICENSE

EXPIRATION

ABBREVIATIONS

& AND

< ANGLE

@ CENTERLINE

NUMBER

(E) EXISTING

(N) NEW

AC ASPHALT CONCRETE

ACCS ACCESSIBLE

ACP ACOUSTIC CEILING PANEL

ADJ ADJUSTABLE

A.F.F. ABOVE FINISH FLOOR

AL ALUMINUM

APPROX APPROXIMATE

ARCH ARCHITECTURAL

BD BOARD

BLDG BUILDING

BLK BLOCKING

BM BEAM

BO BOTTOM

CBC CALIFORNIA BUILDING CODE

CCR CALIFORNIA CODE OF REGULATIONS

CEM CEMENT

CL CHAIN LINK

CLR CLEAR

COL COLUMN

CONC CONCRETE

CONN CONNECTION

CONT CONTINUOUS

CORR CORRIDOR

CTR CENTER

DBL DEPARTMENT

DEPT DEPARTMENT

DET DRINKING FOUNTAIN

DIA DIAMETER

DM DIMENSION

DN DOWN

DR DOOR

DS DOWNSPOUT

DWG DRAWING

EA EACH

E.J. EXPANSION JOINT

ELEC ELECTRICAL

EMER EMERGENCY

ENCL ENCLOSURE

EQU EQUIPMENT

EQT EQUIPMENT

EXP EXPOSED

EXP EXPANSION

EXT (E) EXTERIOR

FIRE FIRE ALARM

F.E.C. FIRE EXTINGUISHER

F.F. FIRE EXTINGUISHER CABINET

F.F. FACTORY FINISH

F.H. FIRE HYDRANT

FLASH FLASHING

FLUOR FLUORESCENT

F.O.C. FACE OF CONCRETE

F.O.F. FACE OF FINISH

F.O.S. FACE OF STUDS

FFRF FIREPROOF

F.S. FOOT OR FEET

FTG FOOTING

GA GAUGE

GALV GALVANIZED

G.B. GRAB BAR

GL GLASS

GND GROUND

GYP GYPSUM

H.B. HOSE BIB

HDWD HARDWOOD

HDWR HORIZONTAL

HORIZ HORIZONTAL

HR HOUR

HR HOUR

MAX MAXIMUM

MEMB MEMBRANE

MTL METAL

MANUF. MANUFACTURER

MIN MINIMUM

MISC MISCELLANEOUS

MTD MOUNTED

N.I.C. NOT IN CONTRACT

N.T.S. NOT TO SCALE

O.C. ON CENTER

O.D. OUTSIDE DIAMETER

OPNG OPENING

OPP OPPOSITE

PLYWD PLYWOOD

PAIR PAIR

R RISER

R.D. RADIUS

REF REFERENCE

REINF REINFORCED

REQ REQUIRED

RM ROOM

RESTROOM RESTROOM

REDWD REDWOOD

RAIN WATER LEADER

SAD SEE ARCHITECTURAL DRAWINGS

SED SEE ELECTRICAL DRAWINGS

SCD SEE CIVIL DRAWINGS

SDS SEE STRUCTURAL DRAWINGS

SMD SEE MECHANICAL DRAWINGS

SPD SEE PLUMBING DRAWINGS

SHT SHEET

S.M. SHEET METAL

S.C. SIMILAR

STRL STRUCTURAL

TREAD TREAD

TOP OF CURB

TONGS TONGS & GROOVE

THK THICK

TYP TYPICAL

UNF UNFINISHED

UNLESS OTHERWISE NOTED

VERT VERTICAL

VERIFY VERIFY IN FIELD

W/ WITH

WO WITHOUT

WP WATERPROOF

APPLICABLE CODES & REGULATIONS

USE THE FOLLOWING CODES AND REGULATIONS WITH THE LATEST AMENDMENTS & SUPPLEMENTS:

2025 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR VOLUME 1 AND 2
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 (CEC), PART 6, TITLE 24 CCR
2022 CALIFORNIA FIRE CODE (CFC), PART 8, TITLE 24 CCR
2022 CALIFORNIA EXISTING BUILDING CODE (CEBO), PART 10, TITLE 24 CCR
2022 CALIFORNIA GREEN BUILDING CODE (CALGREEN), PART 11, TITLE 24 CCR
2022 CALIFORNIA REFERENCE STANDARDS CODE (CRS), PART 12, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

NATIONAL STANDARDS:

NFPA 13 – STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED) — 2022 EDITION
NFPA 14 – STANDARD FOR THE INSTALLATION OF STANDPIPE
AND HOSE SYSTEMS (CA AMENDED) — 2019 EDITION
NFPA 17 – STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS — 2021 EDITION
NFPA 17A – STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS — 2021 EDITION
NFPA 20 – STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION — 2019 EDITION
NFPA 22 – STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION — 2019 EDITION
NFPA 24 – STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (CA AMENDED) — 2019 EDITION
NFPA 72 – NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED) — 2022 EDITION
NFPA 80 – STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES — 2019 EDITION
NFPA 2001 – STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED) — 2018 EDITION
UL 300 – STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT — 2005 (R2010)
UL 464 – AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES — 2003 EDITION
UL 521 – STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS — 1999 EDITION
UL 1971 – STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED — 2002 (R2010)
ICC 300 – STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS — 2017 EDITION

DEFERRED SUBMITTAL: NONE

PROJECT TEAM

OWNER

SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
398 B STREET,
SOUTH SAN FRANCISCO, CA 94080
650-877-8700

ARCHITECT

SIM ARCHITECTS, INC.
3675 MT. DIABLO BOULEVARD, SUITE 310
LAFAYETTE, CA 94549
415-362-8081

MODULAR MANUFACTURER

SILVER CREEK MODULAR, LLC
2830 BARRETT AVENUE,
PERRIS, CA 92571
951-943-5393

CIVIL

BKF ENGINEERS
1640 N. CALIFORNIA BOULEVARD, SUITE 400
WALNUT CREEK, CA 94596
925-940-2200

MECHANICAL & PLUMBING

H&M MECHANICAL GROUP
8105 EDGEWATER DR, SUITE 114
OAKLAND, CA 94621
510-589-2200

ELECTRICAL, FIRE ALARM & LOW VOLTAGE

BELDEN CONSULTING ENGINEERS
8700 KOLL CENTER PARKWAY, SUITE 300
PLEASANTON, CA 94566
925-621-5300

VICINITY MAP

PROJECT LOCATION:
MONTE VERDE
ELEMENTARY SCHOOL
2551 ST CLOUD DR,
SAN BRUNO, CA 94066

FLOOD HAZARD:
ZONE X
(AREA OF MINIMAL FLOOD HAZARD)
06081C0039F
CITY OF SAN BRUNO 060326

SIM ARCHITECTS

Architecture • Planning • Interiors

3675 Mt. Diablo Blvd., Suite 310
Lafayette, CA 94549
(415) 362-8081
www.simarchitectsinc.com

Client Logo

Consultant Logo

Stamp/Seal

MONTE VERDE EST K
BUILDING

2551 St Cloud Dr, San Bruno, CA 94066

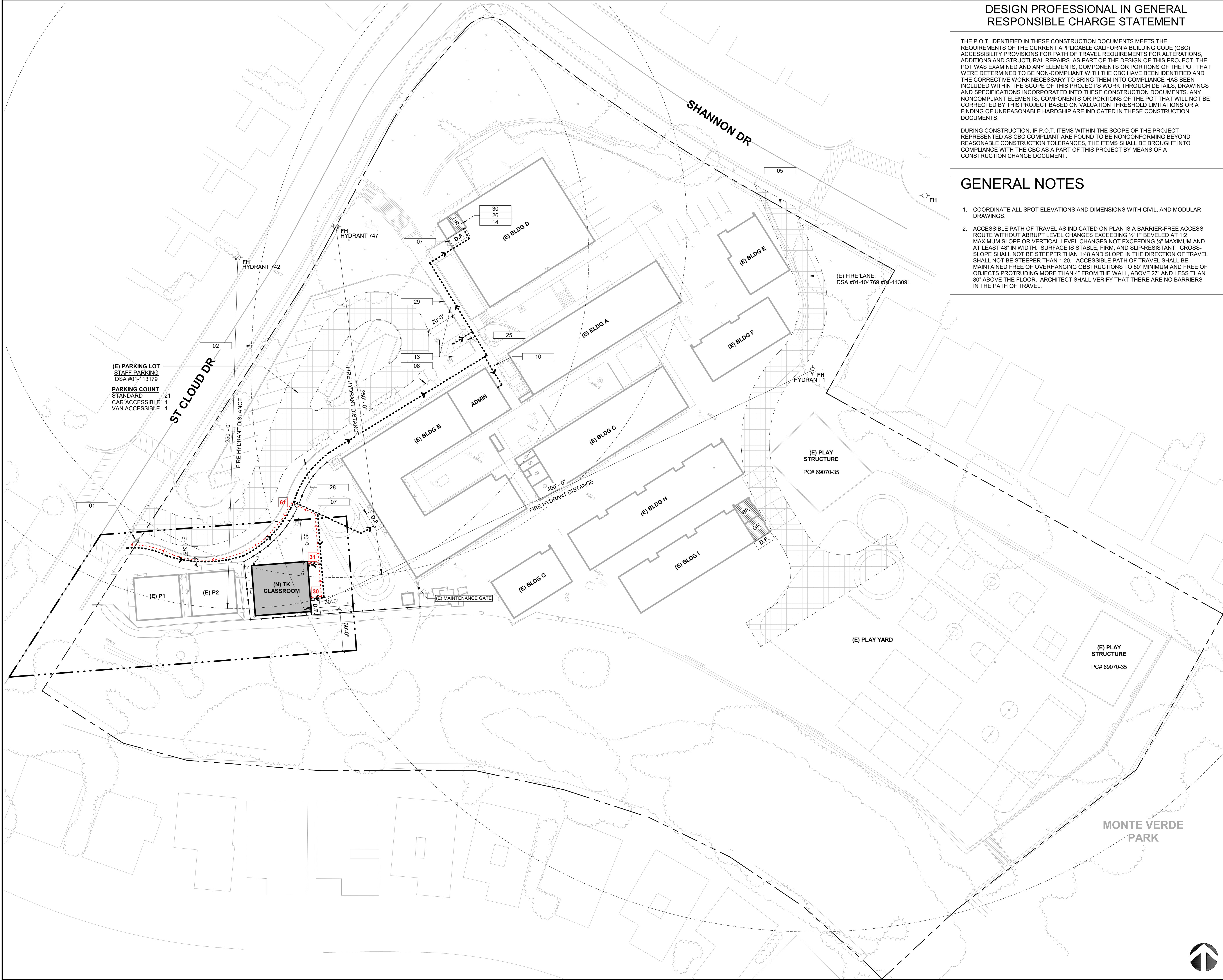
DSA No. 01-122742
Project Status: Bid
Date: 02/26/2026
Revision Schedule
No. Date Description
1 02/26/26 DSA Addendum 01

Project No: 25007
Sheet Title:

GENERAL NOTES, ABBREVIATIONS, SYMBOLS

Scale: As indicated
Sheet No:

G0.01



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 POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT 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 POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARSHNESS 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 NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

GENERAL NOTES

- COORDINATE ALL SPOT ELEVATIONS AND DIMENSIONS WITH CIVIL, AND MODULAR DRAWINGS.
- ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/4" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP-RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.



810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

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

PROJECT INFORMATION			
School District/Owner: SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT			
Project Name/School: MONTE VERDE ELEMENTARY SCHOOL			
Project Address: 2551 ST CLOUD DR, SAN BRUNO, CA 94066			
FIRE & LIFE SAFETY INFORMATION			
1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes ☒	No ☐	
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☒	No ☐	
3. Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)	Yes ☐	No ☒	
Refer to the following website for FHSZ locations: Fire Hazard Severity Zones & State Responsibility Area			Moderate ☐ High ☐ Very High ☐
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)			WIFA ☐

DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

School District Acceptance of Acceptable Design Alternates

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

Accepted by: Ian Hardage Title: Fire Marshal

Signature: Ian Hardage Date: 1/12/2026

LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name: South San Francisco Fire Department	
LFA Review Official: Ian Hardage	
Title: Fire Marshal	Work Phone: (650) 829-6645
Work Email: ian.hardage@ssfca.gov	

LFA Reviewer's Signature: Ian Hardage Date: 1/12/2026

CODE ANALYSIS

TYPE OF CONSTRUCTION: TYPE V-B
FIRE SPRINKLER: NS
BUILDING AREA: 1,440 SF

OCCUPANCY CLASSIFICATION (CBC CHAPTER 3)	ALLOWABLE AREA FACTOR (NS) (CBC TABLE 504.2)	ALLOWABLE BLDG HEIGHT (NS) (CBC TABLE 504.3)	ALLOWABLE NUMBER OF STORIES (CBC TABLE 504.4)	OCCUPANT LOAD FACTOR (CBC 1006.5)	MIN. NUMBER OF EXITS (CBC 1006.3.3)
E	9,500 SF	40' (NS)	1 (NS)	20 (NET)	2

ALLOWABLE HEIGHT (FEET)	TOTAL OCCUPANT LOAD = 61 (SEE 01/A2.10)
GROUP E ACTUAL VS ALLOWABLE 12' < 40' OK	MEANS OF EGRESS SIZING (CBC 1006.3.2) 0.2" X 81" = 12.2" MIN 0.2" X OCC. LOAD = MIN. EGRESS CAPACITY (INCHES) PROVIDED VS MINIMUM REQUIRED (N) TK CLASSROOM DOORS 72" > 12.2" OK (N) EGRESS GATE 42" > 12.2" OK
ALLOWABLE AREA (SF)	NUMBER OF EXITS (CBC 1006.3.3) PROVIDED VS MINIMUM REQUIRED 2 = 2 OK
GROUP E (V-B) (E) P1 960 SF (E) P2 960 SF (N) TK CLASSROOM 1,440 SF TOTAL 3,360 SF ACTUAL VS ALLOWABLE 3,360 SF < 9,500 SF OK	

CODE ANALYSIS - SITE

1" = 30'-0"

1

KEYNOTES

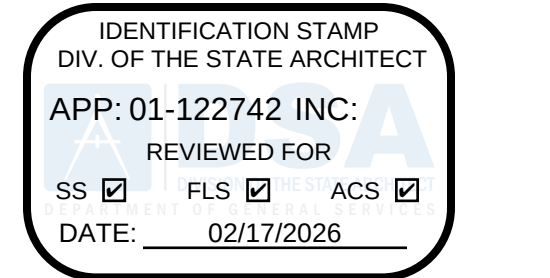
NOTE	DESCRIPTION
01	(E) TOW-AWAY SIGN; DSA #01-113179
02	(E) NO PARKING SIGN
05	(E) CHAIN LINK FIRE LANE GATE; DSA #01-104769
07	(E) NON-COMPLIANT DRINKING FOUNTAIN; DSA #01-100939
08	(E) KNOX BOX
10	(E) GATE W/ EXIT DEVICE; DSA #01-113091. INSTALL (N) 10"H GSM KICKPLATE AT BASE OF GATE. WIDTH TO MATCH GATE WIDTH AND PAINT TO MATCH (E) GATE COLOR. SEE DETAIL 4/A1.10 SIM.
13	(E) ACCESSIBLE WALKWAY AND PARKING; DSA #01-113179
14	(E) RESTROOM; DSA #01-100236
25	(E) ACCESSIBLE FLUSH CURB AND DETECTABLE WARNING SURFACE W/ SMOOTH TRANSITION TO EXISTING SURFACE; DSA 01-113179
26	REMOVE (E) RESTROOM DOOR SIGNAGE AND INSTALL NEW RESTROOM DOOR AND WALL SIGNAGE PER DETAIL 04/A2.10
28	REMOVE (E) PARALLEL PARKING STRIPING ALONG THE FIRE LANE
29	(E) 36" AFG CURB-MOUNTED HANDRAIL; DSA #01-113179
30	RELOCATE TOILET ACCESSORIES IN THIS RESTROOM PER 05/A2.10

LEGEND

---	PROPERTY LINE	FH	(E) FIRE HYDRANT
---	FIRE SEPARATION DISTANCE	D.F.	(E) DRINKING FOUNTAIN
---	ACCESSIBLE PATH OF TRAVEL		
---	EGRESS PATH W/ OCCUPANT LOAD		
20'-0"	(E) FIRE LANE		
	(E) BUILDING		(N) BUILDING
	(E) ACCESSIBLE RESTROOM		
	• MR - MEN'S RESTROOM		
	• WR - WOMEN'S RESTROOM		
	• BR - BOY'S RESTROOM		
	• GR - GIRL'S RESTROOM		
	• UR - UNISEX RESTROOM		

BUILDING INFORMATION

BUILDING ID	CONS. TYPE	USE	OCC.	AREA (SF)		DSA NUMBERS	
				ALLOWABLE	ACTUAL	BUILDING ID	DSA APP #
(N) TK CLASSROOM	V-B	CLASSROOM	E	SEE CODE ANALYSIS		(N) TK CLASSROOM	THIS APPLICATION (W/ PC #04-121999)
(E) P1	V-B	CLASSROOM	E	SEE CODE ANALYSIS		(E) P1	#67616
(E) P2	V-B	CLASSROOM	E	SEE CODE ANALYSIS		(E) P2	#67616
(E) BLDG A	V-B	CLASSROOM	E	9,500 SF	4,375 SF	(E) BLDG A	#23895, #57702, #01-112295, #01-100939
(E) BLDG B	V-B	CLASSROOM / ADMIN	E	9,500 SF	8,404 SF	(E) BLDG B	#23895, #01-112295, #01-100939
(E) BLDG C	V-B	CLASSROOM	E	9,500 SF	4,375 SF	(E) BLDG C	#23895, #57702, #01-100236, #01-112295, #01-100939
(E) BLDG D	V-B	MULTI-USE	E	9,500 SF	6,300 SF	(E) BLDG D	#25712, #29712, #01-100236, #01-100939
(E) BLDG E & F	V-B	CLASSROOM	E	9,500 SF	3,465 SF	(E) BLDG E	#01-113133, #01-113091
(E) BLDG G, H, & I	V-B	CLASSROOM	E	9,500 SF	8,590 SF	(E) BLDG F	#01-113135, #01-113091
						(E) BLDG G	#01-113137, #01-113091
						(E) BLDG H	#01-113139, #01-113091
						(E) BLDG I	#01-113138, #01-113091



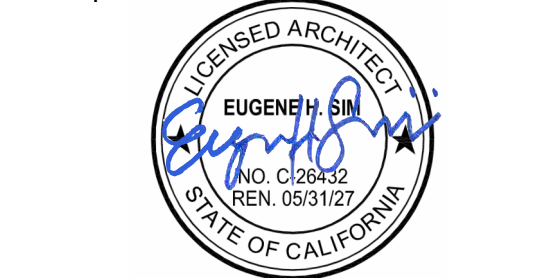
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Lafayette, CA 94549
(415) 362-8081
www.simarchitectsinc.com

Client Logo



Consultant Logo

Stamp/Seal



MONTE VERDE ES TK
BUILDING
2551 St Cloud Dr, San Bruno, CA 94066

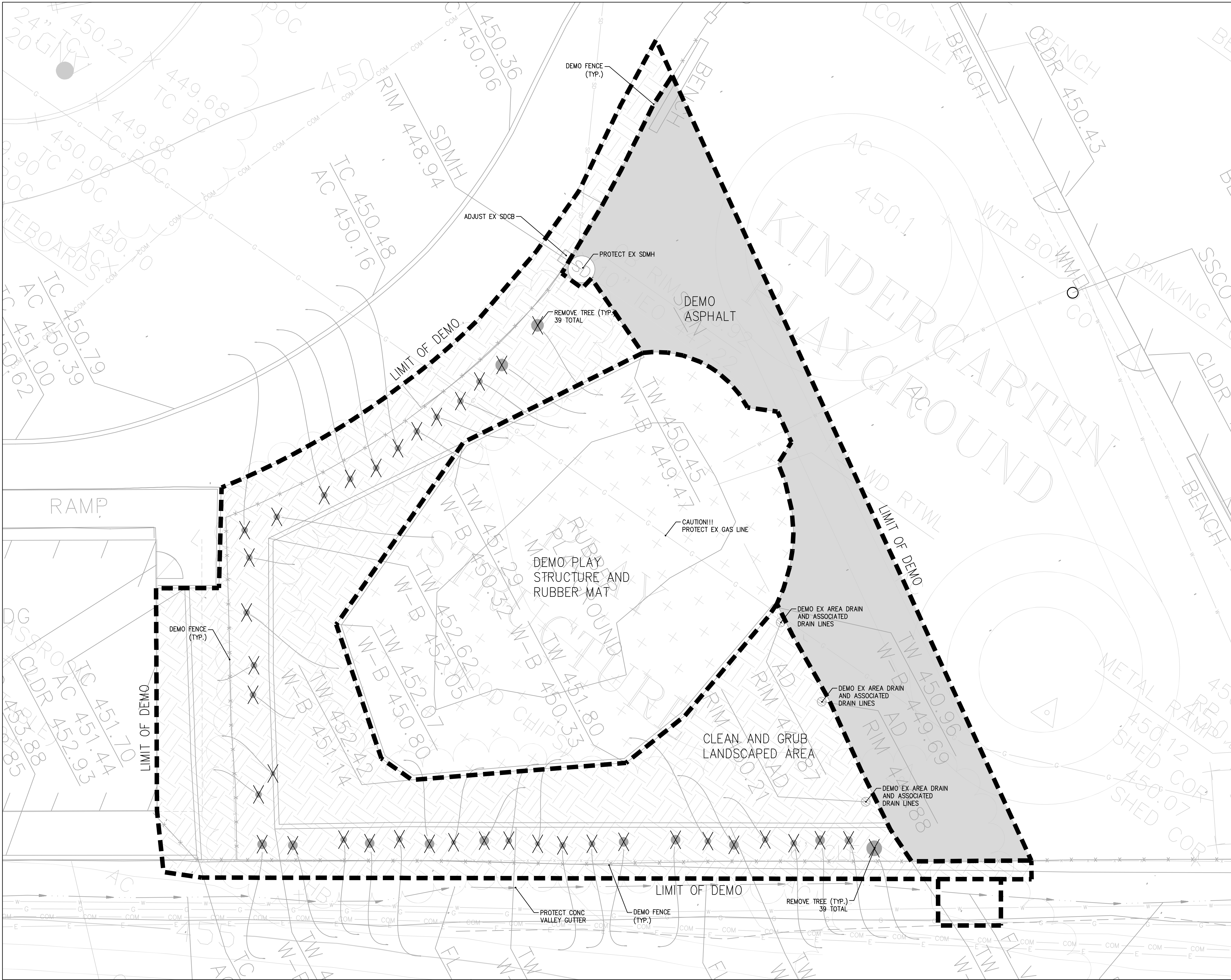
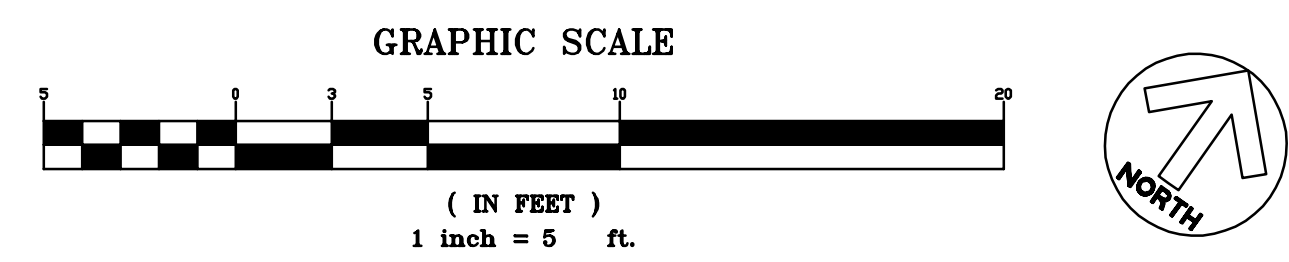
DSA No. 01-122742
Project Status: CD
Date: 01/13/2026
Revision Schedule
No. Date Description

Project No: 25007
Sheet Title:

CODE ANALYSIS -
ACCESSIBILITY AND
FIRE LIFE SAFETY

Scale: As indicated
Sheet No:

G1.10



GEOTECHNICAL NOTES

UNDOCUMENTED FILLS
ALL UNDOCUMENTED FILLS SHALL BE FULLY REMOVED AND REPLACED AS ENGINEERED FILL BENEATH PLANNED FOUNDATIONS.
EACH INDIVIDUAL FOOTING BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90 PERCENT, RESULTING IN A MINIMUM OF 12 INCHES OF ENGINEERED FILL BENEATH ALL NEW FOUNDATIONS.

SUBGRADE PREPARATION
AFTER SITE CLEARING AND DEMOLITION IS COMPLETE, AND PRIOR TO BACKFILLING ANY EXCAVATIONS RESULTING FROM FILL REMOVAL OR DEMOLITION, THE EXCAVATION SUBGRADE AND SUBGRADE WITHIN AREAS TO RECEIVE ADDITIONAL SITE FILLS, SLABS-ON-GRADE AND/OR PAVEMENTS SHOULD BE SCARIFIED TO A DEPTH OF 12 INCHES, MOISTURE CONDITIONED AND COMPACTED.
DUE TO THE SANDY SOILS LIKELY TO BE ENCOUNTERED AT THE SUBGRADE ELEVATION, SUBGRADE COMPACTION AND PROOF ROLLING SHALL BE PERFORMED WITHIN 24 HOURS OF CAPILLARY BREAK LAYER OR SLAB-ON-GRADE CONSTRUCTION.

COMPACTION REQUIREMENTS
ALL FILLS, AND SUBGRADE AREAS WHERE FILL, SLABS-ON-GRADE, AND PAVEMENTS ARE PLANNED, SHOULD BE PLACED IN LOOSE LIFTS 8 INCHES THICK OR LESS AND COMPACTED IN ACCORDANCE WITH ASTM D1557 (LATEST VERSION) REQUIREMENTS AS SHOWN IN THE TABLE BELOW. IN GENERAL, CLAYEY SOILS SHOULD BE COMPACTED WITH SHEEPSFOOT EQUIPMENT AND SANDY/GRAVELLY SOILS WITH VIBRATORY EQUIPMENT; OPEN-GRADED MATERIALS SUCH AS CRUSHED ROCK SHOULD BE PLACED IN LIFTS NO THICKER THAN 18 INCHES AND CONSOLIDATED IN PLACE WITH VIBRATORY EQUIPMENT. EACH LIFT OF FILL AND ALL SUBGRADE SHOULD BE FIRM AND UNYIELDING UNDER CONSTRUCTION EQUIPMENT LOADING IN ADDITION TO MEETING THE COMPACTION REQUIREMENTS TO BE APPROVED. THE CONTRACTOR (WITH INPUT FROM A CORNERSTONE REPRESENTATIVE) SHOULD EVALUATE THE IN-SITU MOISTURE CONDITIONS, AS THE USE OF VIBRATORY EQUIPMENT ON SOILS WITH HIGH MOISTURES CAN CAUSE UNSTABLE CONDITIONS.

TRENCH BACKFILL
ALL UTILITY LINES SHOULD BE BEDDED AND SHADED TO AT LEAST 6 INCHES OVER THE TOP OF THE LINES WITH CRUSHED ROCK (¾-INCH-DIAMETER OR GREATER) OR WELL-GRADED SAND AND GRAVEL MATERIALS CONFORMING TO THE PIPE MANUFACTURER'S REQUIREMENTS. OPEN-GRADED SHADING MATERIALS SHOULD BE CONSOLIDATED IN PLACE WITH VIBRATORY EQUIPMENT AND WELL-GRADED MATERIALS SHOULD BE COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION WITH VIBRATORY EQUIPMENT PRIOR TO PLACING SUBSEQUENT BACKFILL MATERIALS.
WHERE UTILITY LINES WILL CROSS PERPENDICULAR TO STRIP FOOTINGS, THE FOOTING SHOULD BE DEEPEENED TO ENCASE THE UTILITY LINE, PROVIDING SLEEVES OR FLEXIBLE CUSHIONS TO PROTECT THE PIPES FROM ANTICIPATED FOUNDATION SETTLEMENT, OR THE UTILITY LINES SHOULD BE BACKFILLED TO THE BOTTOM OF FOOTING WITH SAND-CEMENT SLURRY OR LEAN CONCRETE. WHERE UTILITY LINES WILL PARALLEL FOOTINGS AND WILL EXTEND BELOW THE FOUNDATION PLANE OF INFLUENCE, AN IMAGINARY 1:1 PLANE PROJECTED DOWN FROM THE BOTTOM EDGE OF THE FOOTING, EITHER THE FOOTING WILL NEED TO BE DEEPEENED SO THAT THE PIPE IS ABOVE THE FOUNDATION PLANE OF INFLUENCE, OR THE UTILITY TRENCH WILL NEED TO BE BACKFILLED WITH SAND-CEMENT SLURRY OR LEAN CONCRETE WITHIN THE INFLUENCE ZONE. SAND-CEMENT SLURRY USED WITHIN FOUNDATION INFLUENCE ZONES SHOULD HAVE A MINIMUM COMPRESSIVE STRENGTH OF 75 PSI.

DEMOLITION NOTES

- EXISTING UTILITIES SHOWN ARE SCHEMATIC AND FOR REFERENCE ONLY. CONTRACTOR TO EXPOSE (E) UTILITIES PRIOR OR DURING DEMOLITION/EXCAVATION TO EXPOSE (E) UTILITY SERVICES TO CONFIRM LOCATION AND DEPTH SUFFICIENT TO ALLOW CONSTRUCTION OF PLANNED PAVEMENT.
- THIS PLAN SHOWS GENERAL LIMITS OF DEMOLITION AND DOES NOT RELIEVE THE CONTRACTOR FROM OTHER DEMOLITION WORK NECESSARY TO INSTALL NEW UTILITIES, SITE WORK, PAVING, ETC.
- CLEAR AND GRUB WITHIN LIMITS OF DEMOLITION.
- REFER TO GRADING & DRAINAGE PLAN FOR LIMITS OF PROPOSED PAVING.
- SEE ARCHITECTURAL PLAN FOR TREE REMOVAL.
- ADJUST (E) UTILITY STRUCTURES WITHIN LIMITS OF DEMO TO REMAIN TO FINISH GRADE.
- AT LIMIT OF WORK LOCATIONS, SAWCUTS SHALL BE NEAT AND SQUARE. SAWCUTS IN CONCRETE SHALL BE AT EXISTING JOINTS OR SCORE MARKS.
- PROTECT ALL (E) BUILDINGS, STRUCTURES, AND UTILITIES TO REMAIN AND VERIFY EXISTING FEATURES WILL NOT BE IMPACTED BY DEMOLITION ACTIVITIES.

SPECIFICATIONS

- HEADERS SHALL BE CONSTRUCTION HEART GRADE REDWOOD, PER PARAGRAPH 114 OF THE STANDARD SPECIFICATIONS FOR GRADES OF CALIFORNIA REDWOOD LUMBER.
- STAKES SHALL BE REDWOOD OF GRADE SPECIFIED FOR HEADERS.
- NAILS SHALL BE COMMON, GALVANIZED, 12D MINIMUM.
- ASPHALT SHALL COMPLY WITH THE FOLLOWING PROVISIONS OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, SECTION 203-1: PAVING ASPHALT - AR 4000; PRIME COAT - SC250; AND TACK COAT - SS-1H.
- HOT PLANT MIXED ASPHALTIC CONCRETE PAVING MATERIALS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 203-6 OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: BASE COURSE MIX - B; PARKING AREA DRIVE MIX - C2; HARDSCAPE AREA PLAY MIX - D2.
- ASPHALT CONCRETE PAVING MIX SHALL HAVE 5 TO 7 PERCENT ASPHALT CEMENT CONTENT BY WEIGHT IN ACCORDANCE WITH TAI PUBLICATION MS-2.
- SEAL COAT SHALL BE GUARDTOP MANUFACTURED BY INDUSTRIAL ASPHALT INC., (909) 626-1258.
- GRANULAR BASE MATERIAL SHALL BE SPREAD TO COMPACTED THICKNESS SHOWN ON THE PLANS. COMPACT TO AT LEAST 95 PERCENT RELATIVE COMPACTION.
- GRANULAR BASE THICKNESS TOLERANCE SHALL BE MINUS 0.0 INCH TO PLUS 0.5 INCH. SMOOTHNESS TOLERANCE SHALL BE ¾ INCH IN 10 FEET. DEVIATIONS SHALL BE CORRECTED BY REMOVING MATERIALS, REPLACING WITH NEW MATERIALS, AND REWORKING OR RECOMPACTING AS REQUIRED. MOISTURE CONTENT SHALL BE ONLY THE AMOUNT NEEDED TO ACHIEVE THE SPECIFIED COMPACTION.
- FOR PLACEMENT OF ASPHALTIC CONCRETE FINISHED PAVING: REMOVE ALL LOOSE MATERIALS FROM COMPACTED BASE; APPLY PRIME COAT AT THE RATE OF 0.10 AND 0.25 GALLON PER SQUARE YARD TO ALL AREAS TO BE PAVED; APPLY TACK COAT AT THE RATE OF 0.05 TO 0.10 GALLON PER SQUARE YARD TO ALL EXISTING PAVEMENT, CURBS, GUTTERS, MANHOLES, AND THE LIKE IMMEDIATELY BEFORE ASPHALT CONCRETE IS PLACED; ADJUST FRAMES AND COVERS, IF SO REQUIRED, TO MEET FINAL GRADES.
- FOR SPREADING ASPHALTIC CONCRETE MATERIALS: SPREAD MATERIAL IN A MANNER WHICH REQUIRES THE LEAST HANDLING; SPREAD ASPHALT CONCRETE TO THICKNESS SHOWN ON PLANS; SPREAD IN ONE LAYER WHERE THICKNESS OF ASPHALT CONCRETE PAVING WILL BE 3 INCHES OR LESS, SPREAD IN TWO LAYERS WHERE THICKNESS OF ASPHALT CONCRETE PAVING WILL BE MORE THAN 3 INCHES, SURFACE COURSE SHALL BE A MINIMUM OF 1 INCH THICK.
- FOR ROLLING: AFTER MATERIAL HAS BEEN SPREAD TO PROPER DEPTH, ROLL UNTIL THE SURFACE IS HARD, SMOOTH, UNYIELDING, AND TRUE TO THE THICKNESS AND ELEVATIONS SHOWN; ROLL IN AT LEAST TWO DIRECTIONS UNTIL NO ROLLER MARKS ARE VISIBLE.
- BITUMINOUS CONCRETE PAVING SHALL: BE FREE FROM BIRDBATHS, HAVE A MAXIMUM FLATNESS VARIATION OF ¼ INCH IN 6 FEET, HAVE COMPACTED THICKNESS WITHIN ¼ INCH, AND HAVE VARIATION FROM TRUE ELEVATION WITHIN ¼ INCH.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122742 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 02/17/2026

SIM
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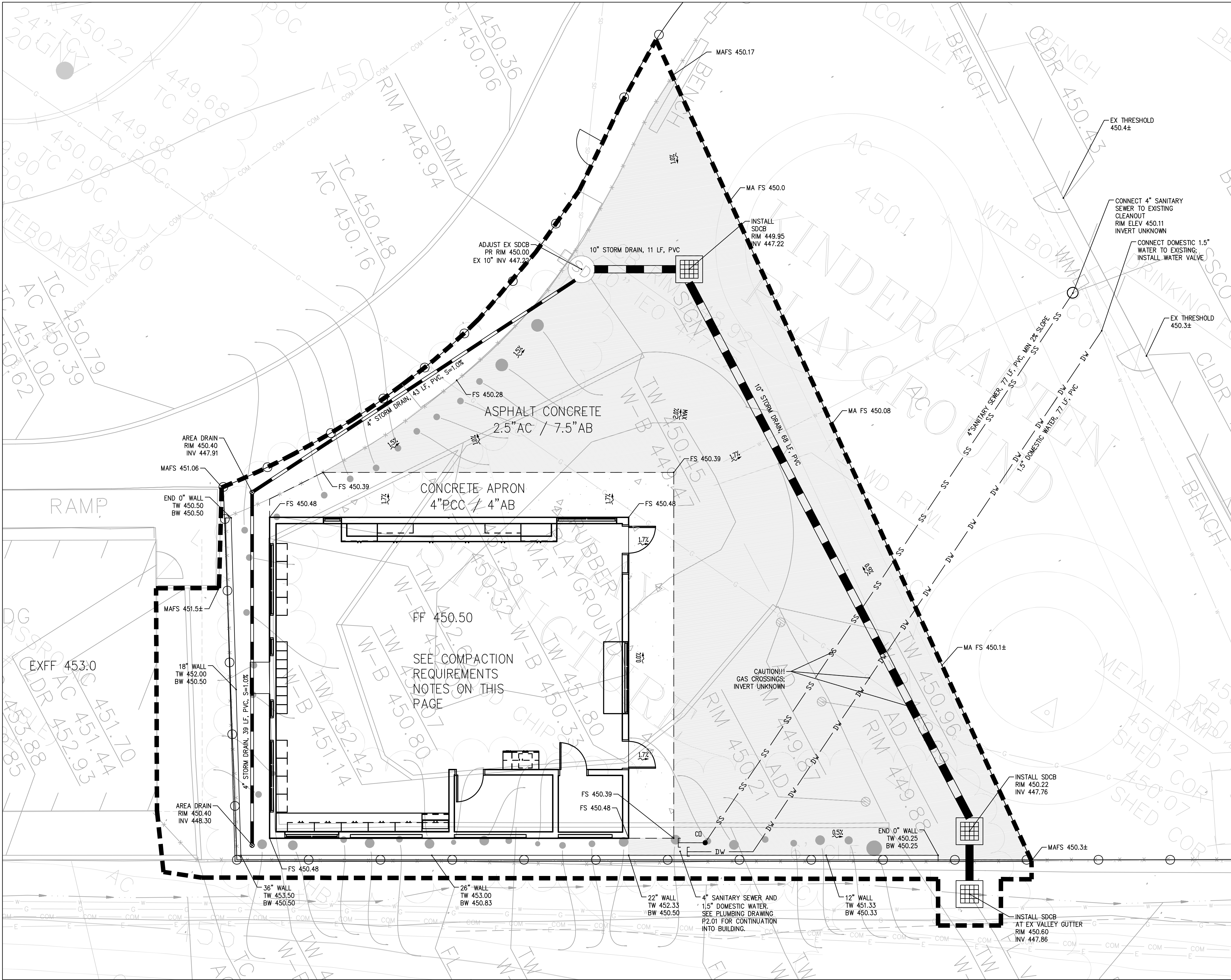
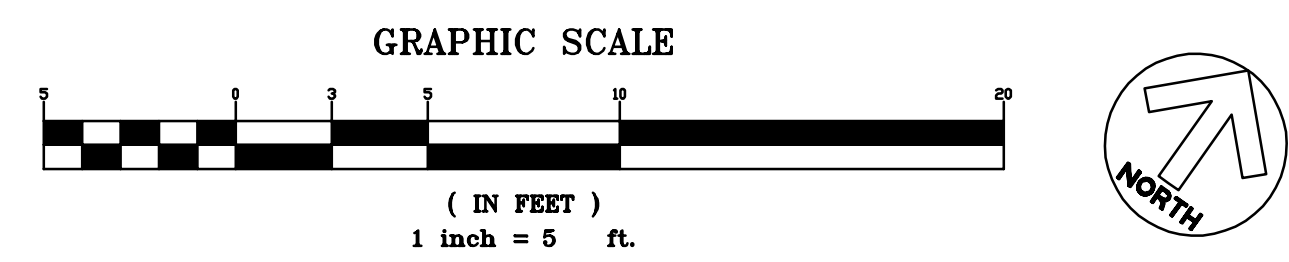
Date:	01/06/2026	
Revision Schedule		
No.	Date	Description

Project No: 25007
Sheet Title:

EXISTING
CONDITIONS AND
DEMOLITION PLAN

Scale: As indicated
Sheet No:

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GEOTECHNICAL NOTES

UNDOCUMENTED FILLS
ALL UNDOCUMENTED FILLS SHALL BE FULLY REMOVED AND REPLACED AS ENGINEERED FILL BENEATH PLANNED FOUNDATIONS.
EACH INDIVIDUAL FOOTING BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90 PERCENT, RESULTING IN A MINIMUM OF 12 INCHES OF ENGINEERED FILL BENEATH ALL NEW FOUNDATIONS.

SUBGRADE PREPARATION
AFTER SITE CLEARING AND DEMOLITION IS COMPLETE, AND PRIOR TO BACKFILLING ANY EXCAVATIONS RESULTING FROM FILL REMOVAL OR DEMOLITION, THE EXCAVATION SUBGRADE AND SUBGRADE WITHIN AREAS TO RECEIVE ADDITIONAL SITE FILLS, SLABS-ON-GRADE AND/OR PAVEMENTS SHOULD BE SCARIFIED TO A DEPTH OF 12 INCHES, MOISTURE CONDITIONED AND COMPACTED.
DUE TO THE SANDY SOILS LIKELY TO BE ENCOUNTERED AT THE SUBGRADE ELEVATION, SUBGRADE COMPACTION AND PROOF ROLLING SHALL BE PERFORMED WITHIN 24 HOURS OF CAPILLARY BREAK LAYER OR SLAB-ON-GRADE CONSTRUCTION.

COMPACTION REQUIREMENTS
ALL FILLS, AND SUBGRADE AREAS WHERE FILL, SLABS-ON-GRADE, AND PAVEMENTS ARE PLANNED, SHOULD BE PLACED IN LOOSE LIFTS 8 INCHES THICK OR LESS AND COMPACTED IN ACCORDANCE WITH ASTM D1557 (LATEST VERSION) REQUIREMENTS AS SHOWN IN THE TABLE BELOW. IN GENERAL, CLAYEY SOILS SHOULD BE COMPACTED WITH SHEEPSFOOT EQUIPMENT AND SANDY/GRAVELLY SOILS WITH VIBRATORY EQUIPMENT; OPEN-GRADED MATERIALS SUCH AS CRUSHED ROCK SHOULD BE PLACED IN LIFTS NO THICKER THAN 18 INCHES AND CONSOLIDATED IN PLACE WITH VIBRATORY EQUIPMENT. EACH LIFT OF FILL AND ALL SUBGRADE SHOULD BE FIRM AND UNYIELDING UNDER CONSTRUCTION EQUIPMENT LOADING IN ADDITION TO MEETING THE COMPACTION REQUIREMENTS TO BE APPROVED. THE CONTRACTOR (WITH INPUT FROM A CORNERSTONE REPRESENTATIVE) SHOULD EVALUATE THE IN-SITU MOISTURE CONDITIONS, AS THE USE OF VIBRATORY EQUIPMENT ON SOILS WITH HIGH MOISTURES CAN CAUSE UNSTABLE CONDITIONS.

TRENCH BACKFILL
ALL UTILITY LINES SHOULD BE BEDDED AND SHADED TO AT LEAST 6 INCHES OVER THE TOP OF THE LINES WITH CRUSHED ROCK (¾-INCH-DIAMETER OR GREATER) OR WELL-GRADED SAND AND GRAVEL MATERIALS CONFORMING TO THE PIPE MANUFACTURER'S REQUIREMENTS. OPEN-GRADED SHADING MATERIALS SHOULD BE CONSOLIDATED IN PLACE WITH VIBRATORY EQUIPMENT AND WELL-GRADED MATERIALS SHOULD BE COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION WITH VIBRATORY EQUIPMENT PRIOR TO PLACING SUBSEQUENT BACKFILL MATERIALS.
WHERE UTILITY LINES WILL CROSS PERPENDICULAR TO STRIP FOOTINGS, THE FOOTING SHOULD BE DEEPEMED TO ENCASE THE UTILITY LINE, PROVIDING SLEEVES OR FLEXIBLE CUSHIONS TO PROTECT THE PIPES FROM ANTICIPATED FOUNDATION SETTLEMENT, OR THE UTILITY LINES SHOULD BE BACKFILLED TO THE BOTTOM OF FOOTING WITH SAND-CEMENT SLURRY OR LEAN CONCRETE. WHERE UTILITY LINES WILL PARALLEL FOOTINGS AND WILL EXTEND BELOW THE FOUNDATION PLANE OF INFLUENCE, AN IMAGINARY 1:1 PLANE PROJECTED DOWN FROM THE BOTTOM EDGE OF THE FOOTING, EITHER THE FOOTING WILL NEED TO BE DEEPEMED SO THAT THE PIPE IS ABOVE THE FOUNDATION PLANE OF INFLUENCE, OR THE UTILITY TRENCH WILL NEED TO BE BACKFILLED WITH SAND-CEMENT SLURRY OR LEAN CONCRETE WITHIN THE INFLUENCE ZONE. SAND-CEMENT SLURRY USED WITHIN FOUNDATION INFLUENCE ZONES SHOULD HAVE A MINIMUM COMPRESSIVE STRENGTH OF 75 PSI.

DEMOLITION NOTES

- EXISTING UTILITIES SHOWN ARE SCHEMATIC AND FOR REFERENCE ONLY. CONTRACTOR TO EXPOSE (E) UTILITIES PRIOR OR DURING DEMOLITION/EXCAVATION TO EXPOSE (E) UTILITY SERVICES TO CONFIRM LOCATION AND DEPTH SUFFICIENT TO ALLOW CONSTRUCTION OF PLANNED PAVEMENT.
- THIS PLAN SHOWS GENERAL LIMITS OF DEMOLITION AND DOES NOT RELIEVE THE CONTRACTOR FROM OTHER DEMOLITION WORK NECESSARY TO INSTALL NEW UTILITIES, SITE WORK, PAVING, ETC.
- CLEAR AND GRUB WITHIN LIMITS OF DEMOLITION.
- REFER TO GRADING & DRAINAGE PLAN FOR LIMITS OF PROPOSED PAVING.
- SEE ARCHITECTURAL PLAN FOR TREE REMOVAL.
- ADJUST (E) UTILITY STRUCTURES WITHIN LIMITS OF DEMO TO REMAIN TO FINISH GRADE.
- AT LIMIT OF WORK LOCATIONS, SAWCUTS SHALL BE NEAT AND SQUARE. SAWCUTS IN CONCRETE SHALL BE AT EXISTING JOINTS OR SCORE MARKS.
- PROTECT ALL (E) BUILDINGS, STRUCTURES, AND UTILITIES TO REMAIN AND VERIFY EXISTING FEATURES WILL NOT BE IMPACTED BY DEMOLITION ACTIVITIES.

SPECIFICATIONS

- HEADERS SHALL BE CONSTRUCTION HEART GRADE REDWOOD, PER PARAGRAPH 114 OF THE STANDARD SPECIFICATIONS FOR GRADES OF CALIFORNIA REDWOOD LUMBER.
- STAKES SHALL BE REDWOOD OF GRADE SPECIFIED FOR HEADERS.
- NAILS SHALL BE COMMON, GALVANIZED, 12D MINIMUM.
- ASPHALT SHALL COMPLY WITH THE FOLLOWING PROVISIONS OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, SECTION 203-1: PAVING ASPHALT - AR 4000; PRIME COAT - SC250; AND TACK COAT - SS-1H.
- HOT PLANT MIXED ASPHALTIC CONCRETE PAVING MATERIALS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 203-6 OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: BASE COURSE MIX - B; PARKING AREA DRIVE MIX - C2; HARDSCAPE AREA PLAY MIX - D2.
- ASPHALT CONCRETE PAVING MIX SHALL HAVE 5 TO 7 PERCENT ASPHALT CEMENT CONTENT BY WEIGHT IN ACCORDANCE WITH TAI PUBLICATION MS-2.
- SEAL COAT SHALL BE GUARDTOP MANUFACTURED BY INDUSTRIAL ASPHALT INC., (909) 626-1258.
- GRANULAR BASE MATERIAL SHALL BE SPREAD TO COMPACTED THICKNESS SHOWN ON THE PLANS. COMPACT TO AT LEAST 95 PERCENT RELATIVE COMPACTION.
- GRANULAR BASE THICKNESS TOLERANCE SHALL BE MINUS 0.0 INCH TO PLUS 0.5 INCH. SMOOTHNESS TOLERANCE SHALL BE ¾ INCH IN 10 FEET. DEVIATIONS SHALL BE CORRECTED BY REMOVING MATERIALS, REPLACING WITH NEW MATERIALS, AND REWORKING OR RECOMPACTING AS REQUIRED. MOISTURE CONTENT SHALL BE ONLY THE AMOUNT NEEDED TO ACHIEVE THE SPECIFIED COMPACTION.
- FOR PLACEMENT OF ASPHALTIC CONCRETE FINISHED PAVING: REMOVE ALL LOOSE MATERIALS FROM COMPACTED BASE; APPLY PRIME COAT AT THE RATE OF 0.10 AND 0.25 GALLON PER SQUARE YARD TO ALL AREAS TO BE PAVED; APPLY TACK COAT AT THE RATE OF 0.05 TO 0.10 GALLON PER SQUARE YARD TO ALL EXISTING PAVEMENT, CURBS, GUTTERS, MANHOLES, AND THE LIKE IMMEDIATELY BEFORE ASPHALT CONCRETE IS PLACED; ADJUST FRAMES AND COVERS, IF SO REQUIRED, TO MEET FINAL GRADES.
- FOR SPREADING ASPHALTIC CONCRETE MATERIALS: SPREAD MATERIAL IN A MANNER WHICH REQUIRES THE LEAST HANDLING; SPREAD ASPHALT CONCRETE TO THICKNESS SHOWN ON PLANS; SPREAD IN ONE LAYER WHERE THICKNESS OF ASPHALT CONCRETE PAVING WILL BE 3 INCHES OR LESS, SPREAD IN TWO LAYERS WHERE THICKNESS OF ASPHALT CONCRETE PAVING WILL BE MORE THAN 3 INCHES, SURFACE COURSE SHALL BE A MINIMUM OF 1 INCH THICK.
- FOR ROLLING: AFTER MATERIAL HAS BEEN SPREAD TO PROPER DEPTH, ROLL UNTIL THE SURFACE IS HARD, SMOOTH, UNYIELDING, AND TRUE TO THE THICKNESS AND ELEVATIONS SHOWN; ROLL IN AT LEAST TWO DIRECTIONS UNTIL NO ROLLER MARKS ARE VISIBLE.
- BITUMINOUS CONCRETE PAVING SHALL: BE FREE FROM BIRDBATHS, HAVE A MAXIMUM FLATNESS VARIATION OF ¼ INCH IN 6 FEET, HAVE COMPACTED THICKNESS WITHIN ¼ INCH, AND HAVE VARIATION FROM TRUE ELEVATION WITHIN ½ INCH.

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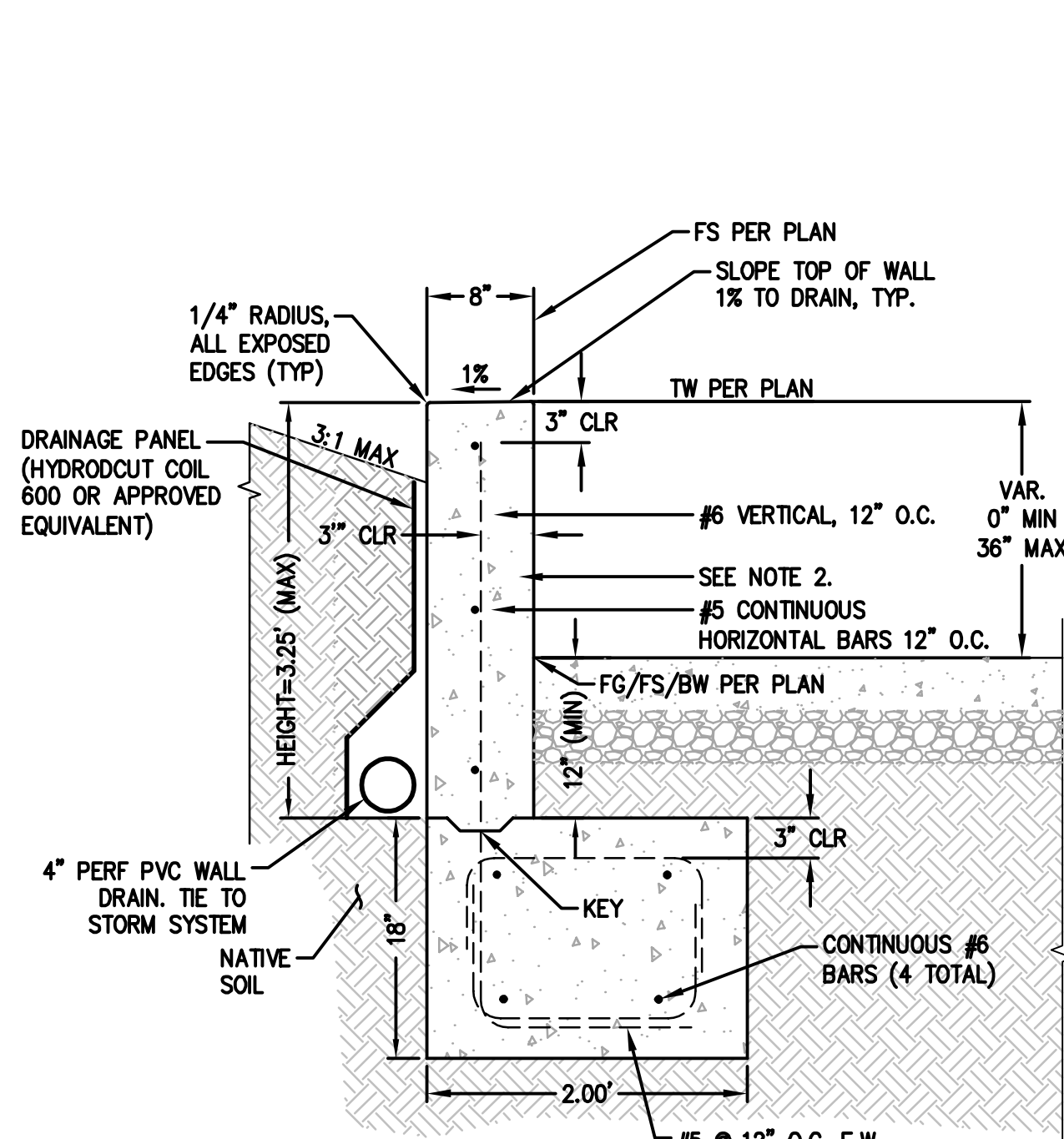
Date:	01/06/2026	
Revision Schedule		
No.	Date	Description

Project No: 25007
Sheet Title:

PAVING, GRADING,
AND UTILITY PLAN

Scale: As indicated
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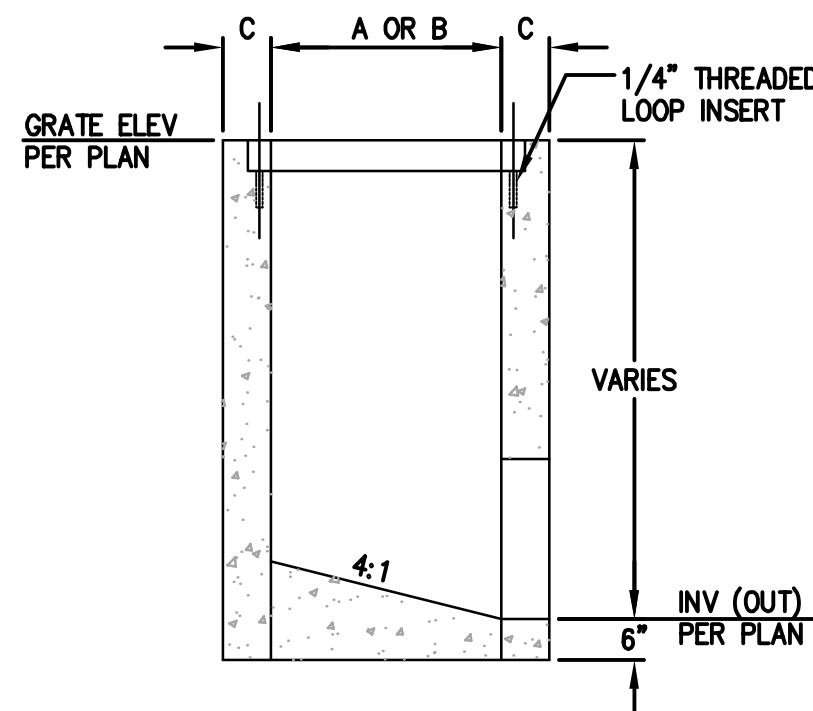
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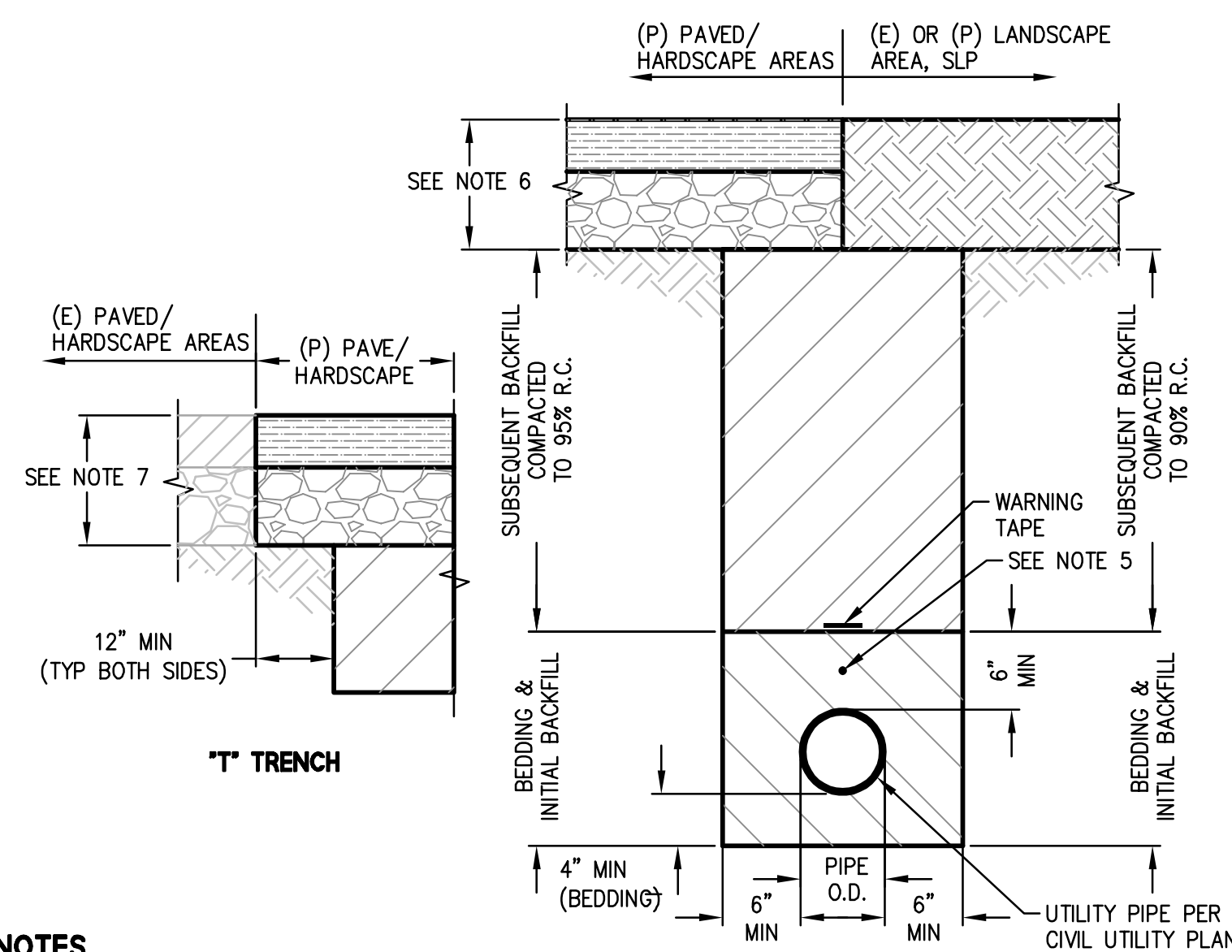
- NOTES:**
1. PROVIDE EXPANSION JOINTS 20' O.C. WITH #4 SLIP DOWELS - 24\"/>

1 SHORT WALL
N.T.S.

TYPE	A	B	C	MODEL
1	12"	12"	4"	DI-1212
2	24"	24"	5"	DI-2424
3	24"	30"	5"	DI-2430
4	24"	36"	6"	DI-2436
5	36"	36"	6"	DI-3636

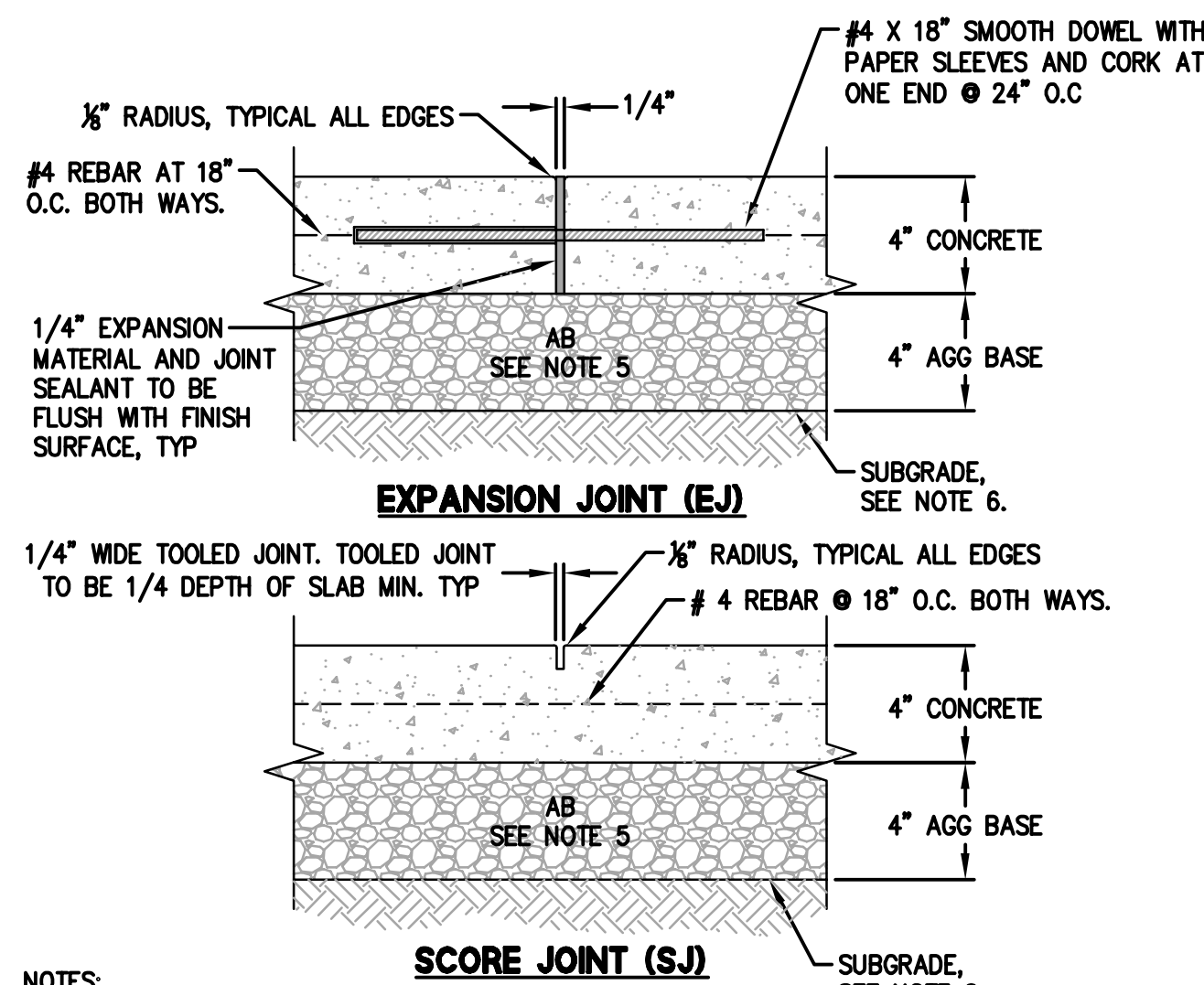


6 DROP INLET
N.T.S.



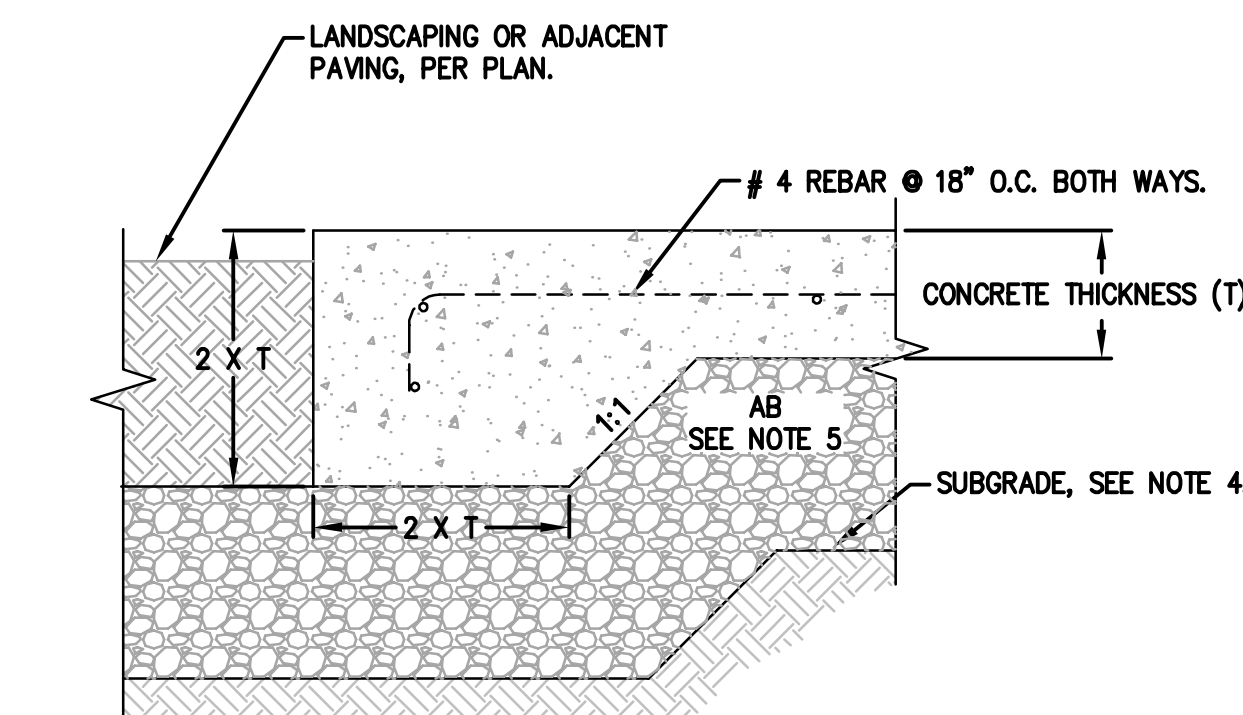
- NOTES:**
1. BEDDING AND INITIAL BACKFILL:
 - 1.1. SAND PER CALTRANS SPECIFICATION SECTION 19-302.5B, COMPACTED TO 95% R.C.
 - 1.2. UNDER SATURATED CONDITIONS AND APPROVED BY THE ENGINEER AND GEOTECHNICAL CONSULTANT - MANUFACTURED AGGREGATE PER ASTM 2321 CLASS IA (3/8\"/>
 2. SUBSEQUENT BACKFILL:
 - 2.1. CLASS II AGGREGATE BASE PER CALTRANS SPECIFICATION SECTION 26 (3/4\"/>
 3. BACKFILL TO BE COMPACTED IN LIFTS NOT EXCEEDING 8-INCHES.
 4. ALL UTILITY TRENCHES THAT RUN BELOW CURBS, GUTTER AND SIDEWALKS SHALL BE PLUGGED AT LEAST 2- FEET THICK AND 2- FEET BEYOND TRENCH EDGE WITH COMPACTED CLAYEY-SOIL, COMPACTED BENTONITE, A BENTONITE-CEMENT OR SAND-CEMENT SLURRY MIXTURE.
 5. TRACER WIRE FOR NON-METALLIC UTILITY PIPES
 6. PAVEMENT SECTION. SEE PAVING PLANS FOR SECTION DETAILS.
 7. PAVEMENTS SECTION. MIN PAVING SECTION SHALL MATCH EXISTING OR SHALL BE PER PAVING PLAN, WHICHEVER IS GREATER.

10 UTILITY TRENCH
N.T.S.



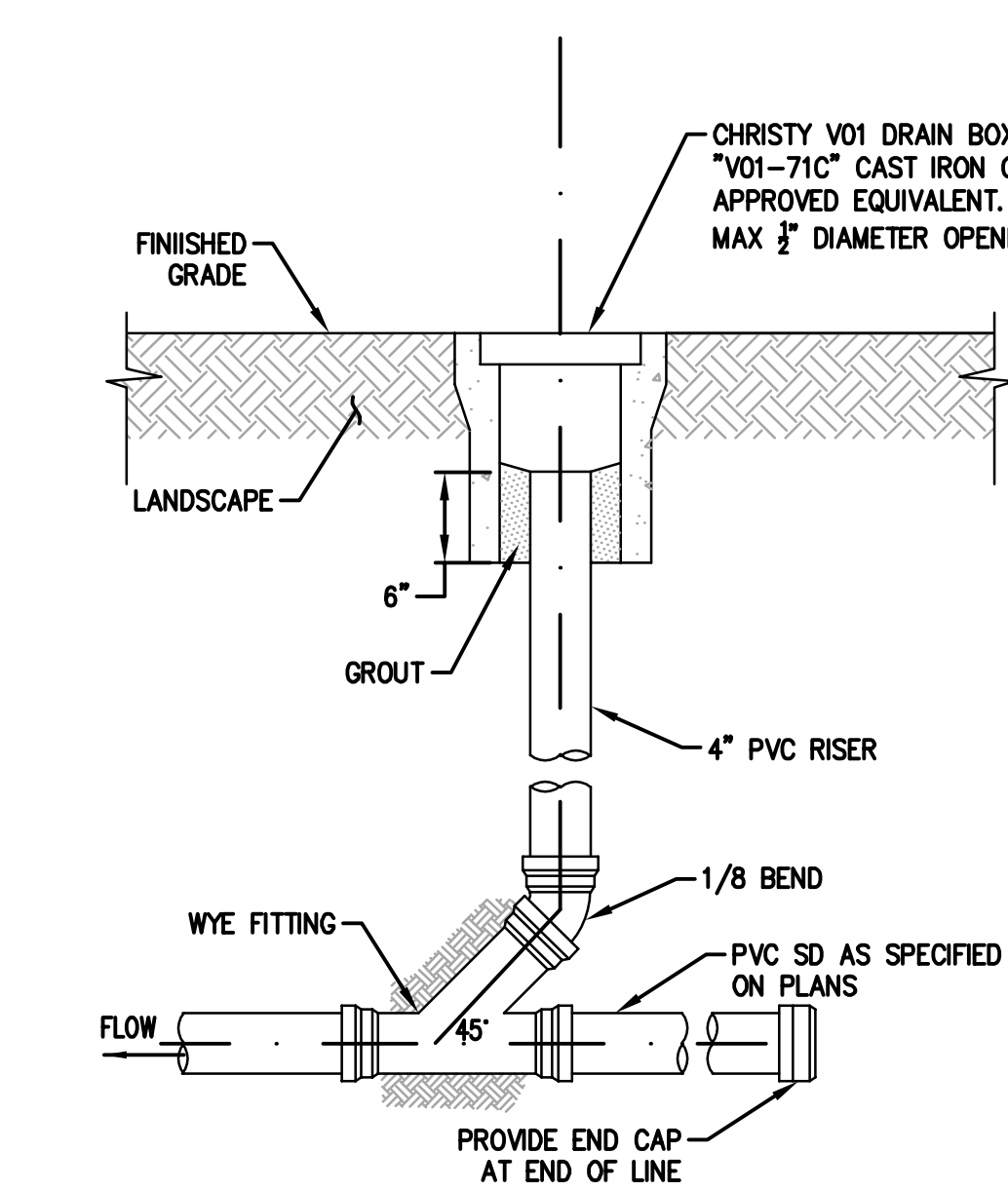
- NOTES:**
1. INTERRUPT REINFORCING STEEL AT EXPANSION JOINT.
 2. LOCATE COLD JOINTS ONLY AT EXPANSION JOINT OR SCORE JOINT LOCATIONS AS INDICATED ON LAYOUT PLAN. LOCATE COLD JOINTS AT EXPANSION JOINTS WHERE POSSIBLE. IF COLD JOINTS ARE LOCATED AT SCORE JOINT LOCATIONS AS SHOWN ON LAYOUT PLAN, REBAR CAN BE EXTENDED THROUGH THE JOINT AND STEEL DOWELS CAN BE ELIMINATED.
 3. PORTLAND CEMENT CONCRETE SHALL BE MINOR CONCRETE PER PROJECT SPECIFICATIONS.
 4. PROVIDE EXPANSION JOINTS 20' OC MAX SPACING AND AT CURB RETURNS. CONTROL JOINTS SHALL BE PROVIDED BETWEEN EXPANSION JOINTS AT 10' MAX SPACING.
 5. CLASS 2 AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION.
 6. SCARIFY UPPER 6\"/>

2 CONCRETE PAVEMENT
N.T.S.

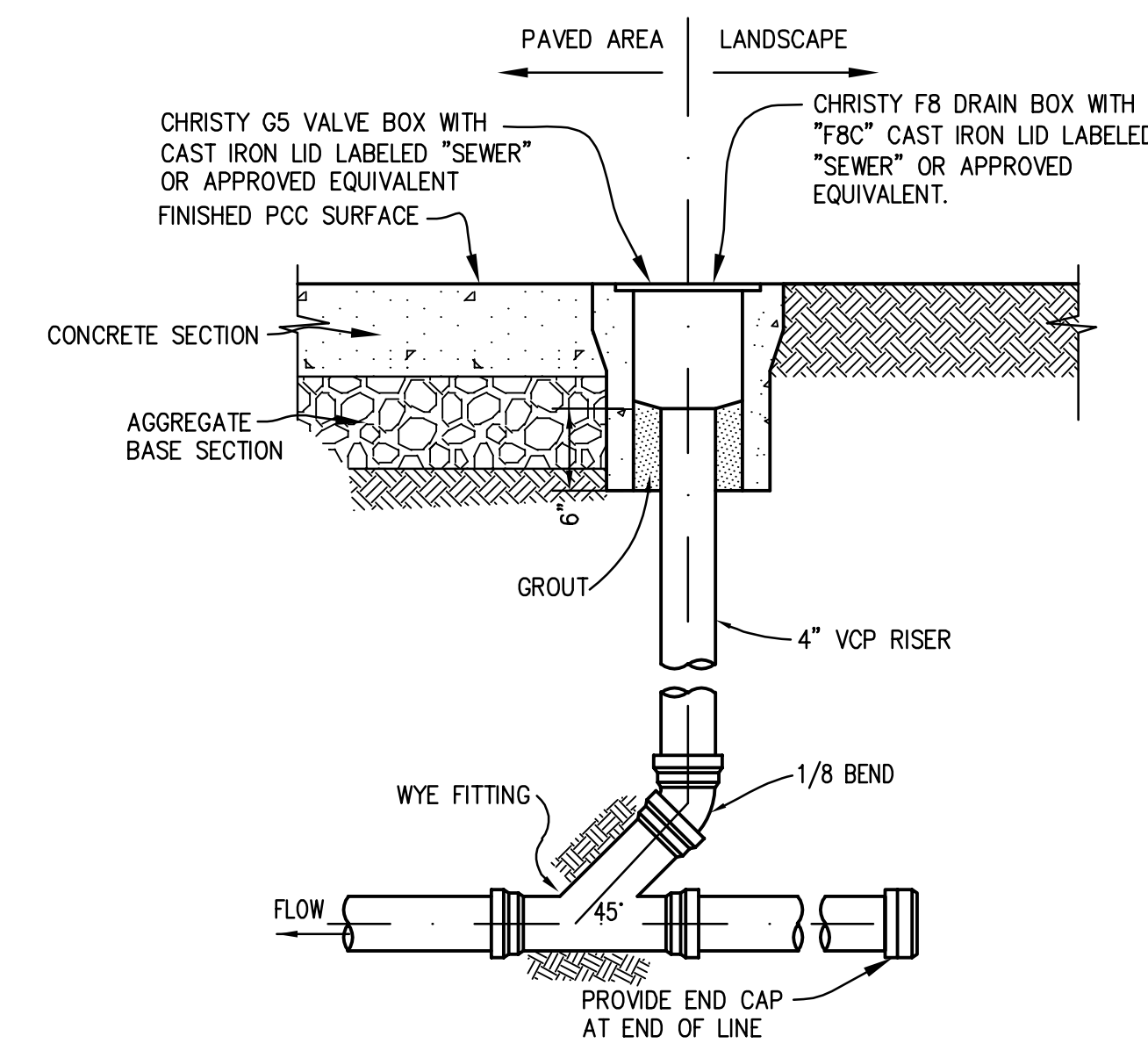


- NOTES:**
1. REFER TO PAVING PLAN AND SECTIONS FOR ADDITIONAL INFORMATION.
 2. PORTLAND CEMENT CONCRETE SHALL BE MINOR CONCRETE PER PROJECT SPECIFICATIONS.
 3. CLASS 2 AGGREGATE BASE COMPACTED TO 95% RELATIVE COMPACTION.
 4. SCARIFY UPPER 6\"/>

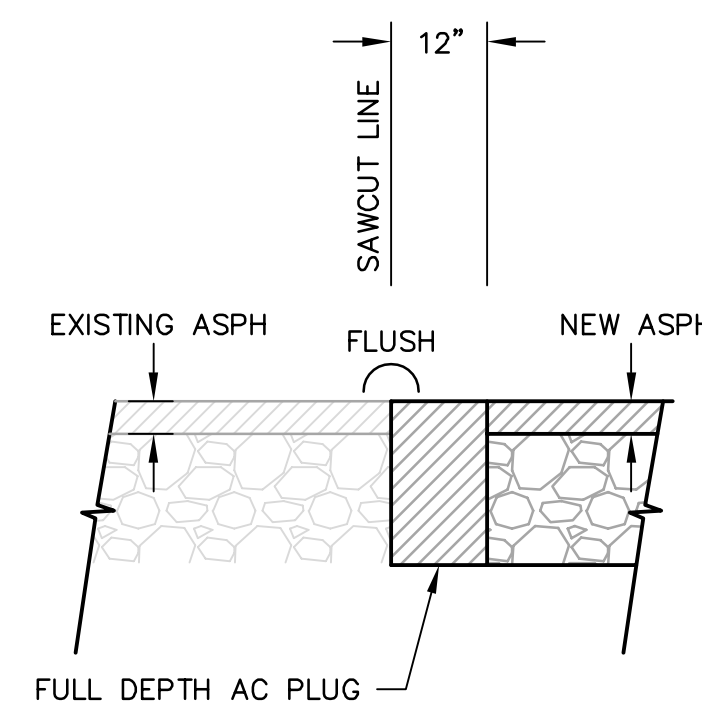
3 CONCRETE PAVEMENT
N.T.S.



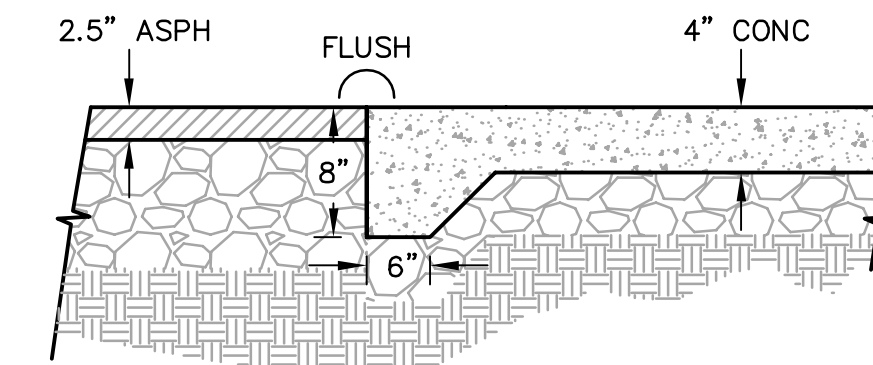
4 AREA DRAIN
N.T.S.



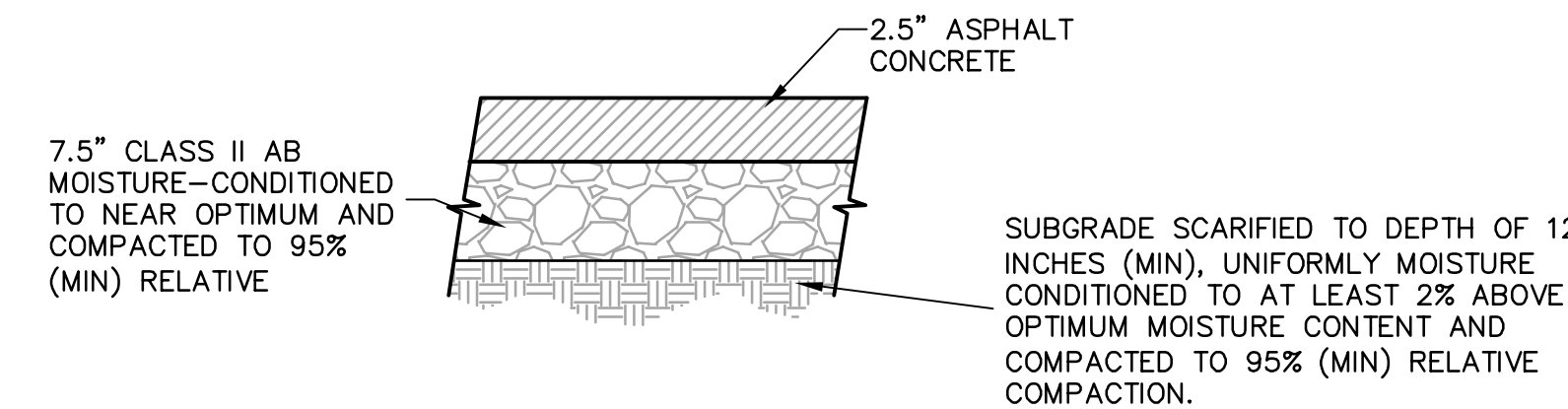
5 SEWER CLEANOUT
N.T.S.



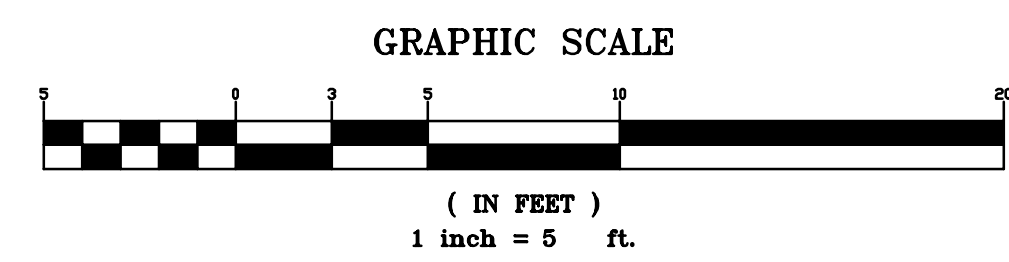
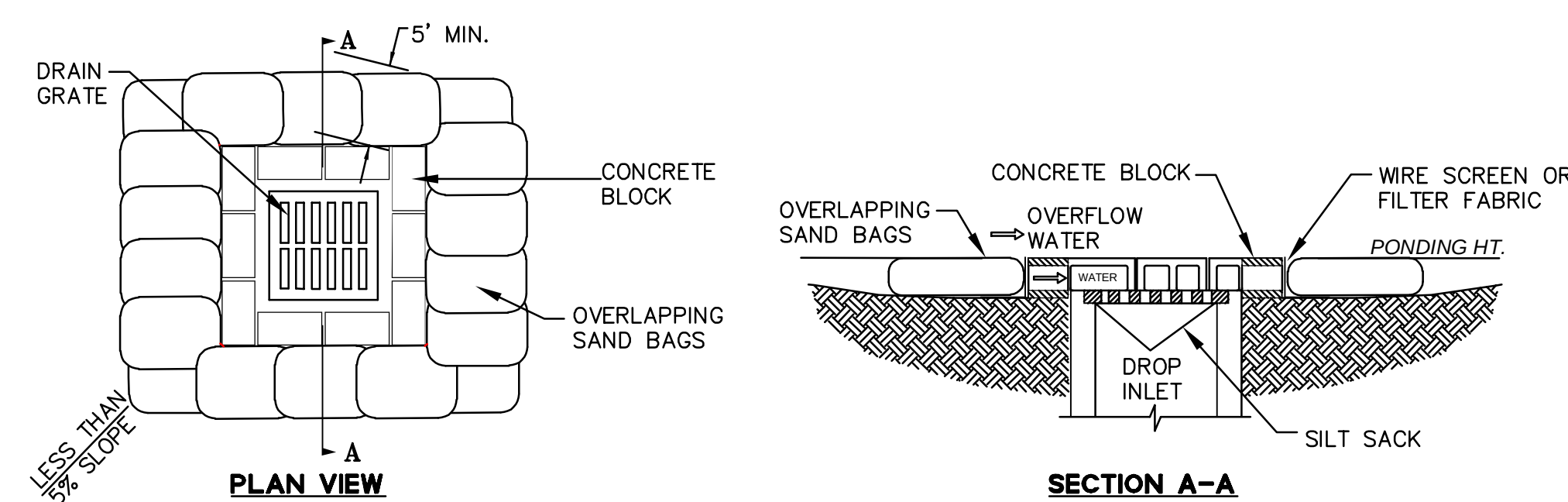
7 ASPHALT TO EXISTING TRANSITION
NTS



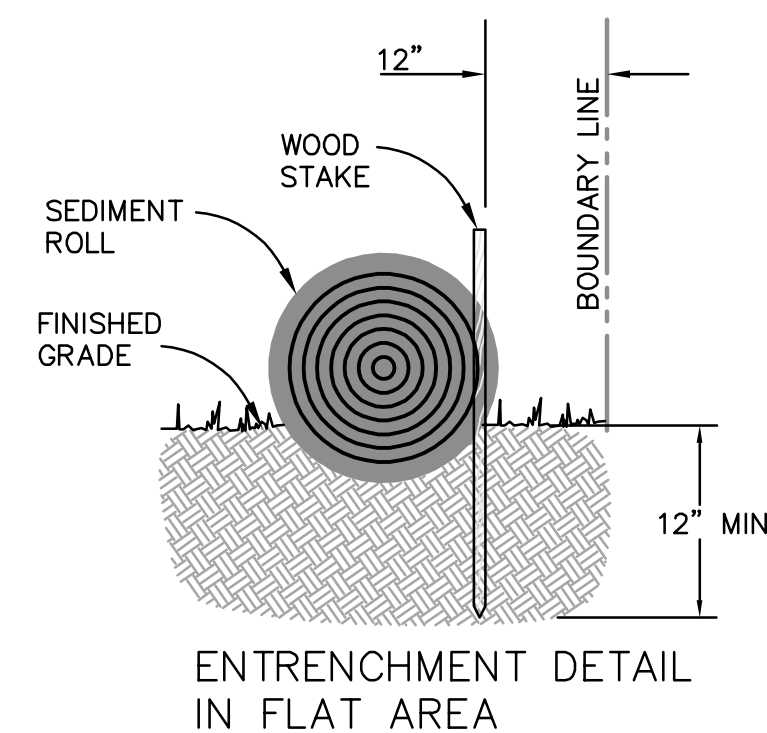
8 ASPHALT TO CONCRETE TRANSITION
NTS



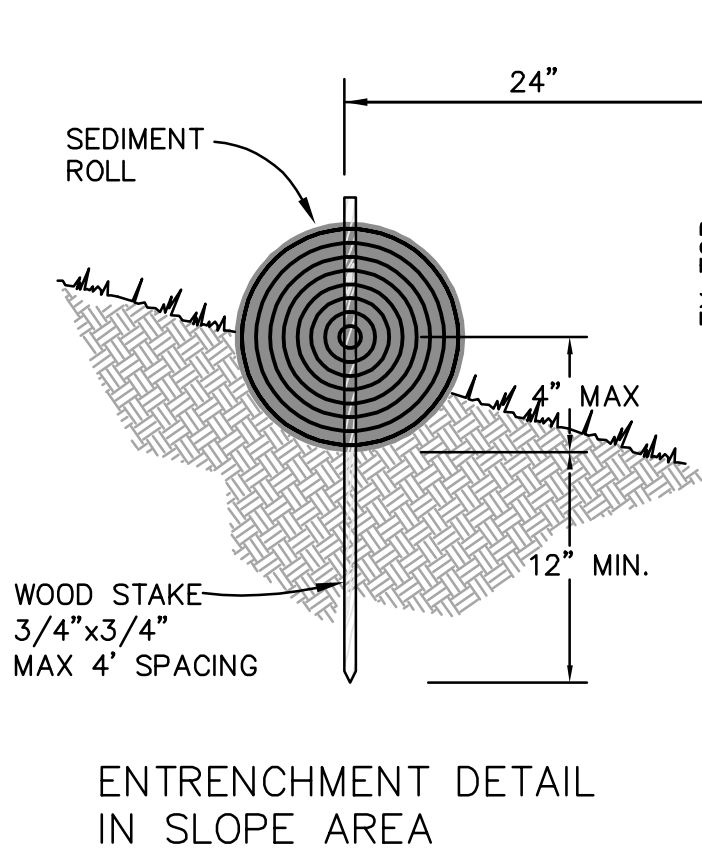
9 AC PAVEMENT
NTS



1 STORM INLET SEDIMENT BARRIER
NTS



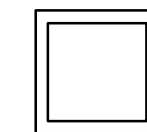
2 _____



FIBER ROLL

NTS

SEDIMENT BARRIER
SEE DETAIL 1 BELOW



FIBER ROLL
SEE DETAIL 2 BELOW

1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN EFFECT AND MAINTAINED BY THE CONTRACTOR ON A YEAR-ROUND BASIS UNTIL ALL DISTURBED CITY AREAS ARE STABILIZED.
2. ALL INLETS RECEIVING STORM WATER RUNOFF FROM THE PROJECT AREA MUST BE EQUIPPED WITH REQUIRED INLET PROTECTION.
3. ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF ENTERING THE STORM DRAIN SYSTEM.
4. THE CONTRACTOR SHALL PROVIDE A QUALIFIED EROSION CONTROL LIST TO THE CITY UNDER THE FOLLOWING CONDITIONS. SEDIMENT LADEN RUNOFF SHALL NOT BE ALLOWED TO LEAVE THE SITE WITHOUT BEING ADEQUATELY FILTERED OR DETAINED TO ALLOW SETTLEMENT.
5. CONTRACTOR SHALL ALSO PROVIDE A QUALIFIED SWPPP PRACTITIONER TO IMPLEMENT ALL SWPPP NEEDS ON SITE FOR THE DURATION OF CONSTRUCTION.
6. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. IN GENERAL, THE CONTRACTOR IS RESPONSIBLE FOR KEEPING SEDIMENT AND SEDIMENT-LADEN RUNOFF OFF THE DRAINING SITE. FARTHER WRAPPED CEMENT BLOCKS, SAND BAGS, FIBER ROLLS AND SILT FENCES SHALL BE USED BY THE CONTRACTOR ON ANY AREAS THAT NEED BAGS TO INVENT SITE FROM LEAVING THE SITE AND ENTERING THE STORM DRAIN SYSTEM. ALL EXISTING, TEMPORARY, OR PERMANENT CATCH BASINS SHALL USE ONE OF THE SEDIMENT BARRIERS SHOWN.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO PUBLIC AND/OR PRIVATELY OWNED AND MAINTAINED ROADS CAUSED BY THE CONTRACTOR'S GRADING ACTIVITIES, AND SHALL BE RESPONSIBLE FOR THE CLEANUP OF ANY MATERIAL SPILLED.
8. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE OPERABLE AT ALL TIMES UNTIL VEGETATION IS ESTABLISHED ON DISTURBED SURFACES.
9. HYDROSEED AND INITIAL LANDSCAPE PLANTING SHALL BE IN-PLACE NO LATER THAN SEPTEMBER 15. CONTRACTOR SHALL BE RESPONSIBLE FOR INITIAL WATERING OF AREAS TO ESTABLISH GROWTH AND STABILIZE SLOPES BY OCTOBER 1.
10. DURING THE RAINY SEASON, ALL PAVED AREAS ARE TO BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE IS TO BE MAINTAINED SO AS TO MINIMIZE SEDIMENT AND SEDIMENT-LADEN RUNOFF TO ANY STORM DRAIN SYSTEM.
11. ALL SLOPES SHALL BE REPAIRED AS SOON AS POSSIBLE WHEN DAMAGED.
12. ALL AREAS AND TEMPORARY EROSION CONTROL MEASURES SHALL BE MAINTAINED TO APPROPRIATE EROSION CONTROL MEASURES (TARPS, FIBER ROLLS, SILT FENCES ETC.) TO ENSURE SILT DOES NOT LEAVE THE SITE OR ENTER THE STORM DRAIN SYSTEM.
13. ALL TRUCK TIRES SHALL BE CLEANED PRIOR TO EXITING THE PROPERTY.
14. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES.
15. DURING PERIODS WHEN STORMS ARE FORECASTED: EXCAVATED SOILS SHOULD NOT BE PLACED IN STREETS OR ON PAVED AREAS, ANY EXCAVATED SOILS SHOULD BE REMOVED FROM THE SITE BY THE END OF THE DAY, WHERE STOCKPILING IS NECESSARY, USE A TARPULIN OR SURROUND THE STOCKPILED MATERIAL WITH STRAW BALES, SILT FENCES AND TEMPORARY EROSION CONTROL MEASURES. USE INLET CONTROL FOR STORM DRAINS ADJACENT TO THE STOCKPILED, THOROUGHLY SWEEP ALL PAVED AREAS EXPOSED TO SOIL EXCAVATION AND PLACEMENT.
16. DURING PERIODS WHEN STORMS ARE NOT FORECASTED: PREVENT STOCKPILED MATERIAL FROM ENTERING THE STORM DRAIN SYSTEM. REMOVE STOCKPILED MATERIAL FROM THE SITE BY THE END OF THE DAY.
17. OPEN SPACE AREAS ARE TO BE PLANTED BY SEPTEMBER 15. IF THIS CONDITION IS NOT MET, CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL.
18. DURING CONSTRUCTION, THE MAINTENANCE OF SUMMERTIME DRAINAGE THROUGH THE SITE IS THE RESPONSIBILITY OF THE CONTRACTOR. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT AND REPAIR ALL EROSION CONTROL FACILITIES AT THE END OF EACH WORK DAY DURING THE RAINY SEASON AND/OR AS NEEDED.
19. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DURING GRADING OPERATION, BEFORE OCTOBER 1 AND PRIOR TO INSTALLATION OF THE STORM DRAINAGE SYSTEM. SUCH ADDITIONAL MEASURES WILL BE CONTINGENT UPON THE STAGE OF GRADING OPERATION.
20. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES AND MAKE ALL NECESSARY REPAIRS AFTER EACH CONSTRUCTION DAY.
21. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO PUBLIC AND/OR PRIVATELY OWNED AND MAINTAINED ROADS CAUSED BY THE CONTRACTOR'S GRADING ACTIVITIES, AND SHALL BE RESPONSIBLE FOR THE CLEANUP OF ANY MATERIAL SPILLED ON ANY PUBLIC ROAD ON THE HAUL ROUTE. ADJACENT PUBLIC ROADS SHALL BE KEPT CLEAR OF THE END OF THE DAY.
22. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND DESIGNATING AREAS FOR SOIL AND CONSTRUCTION MATERIALS STORAGE, AND WASTE COLLECTION AREAS. AREAS ARE TO BE COVERED AND SURROUNDED BY EARTHEN BERM AND/OR OTHER CONTAINMENT MEASURES.
23. VACUUM SAW-CUTTING AND GRINDING SHALL BE DONE FROM SITE. DO NOT ALLOW SAW-CUT SLURRY TO ACCUMULATE ON SURROUNDING PAVEMENT OR ENTER THE STORM WATER CONVEYANCE SYSTEM.

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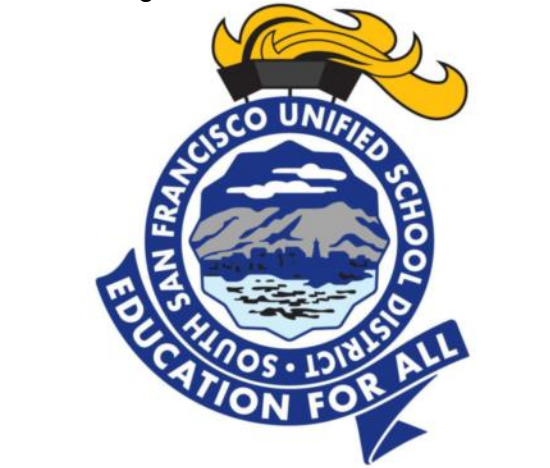
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Date: 01/06/2026

Revision Schedule		
No.	Date	Description

Project No:	25007
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EROSION CONTROL PLAN AND DETAILS

Scale: As indicated

Sheet No:

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DEMOLITION SITE LEGEND

EXISTING LANDSCAPE

EXISTING WALKWAYS

EXISTING TREE TO REMAIN, PROTECT IN PLACE, SEE CIVIL DRAWINGS

DEMOS FENCING AND GATE

DEMOS ENTIRE FACILITY (PLAY STRUCTURE, LANDSCAPE, HARDSCAPE, & OTHER VEGETATION), SEE CIVIL DRAWINGS

EXISTING TREE TO BE DEMOLISHED, SEE CIVIL DRAWINGS

DEMOLITION GENERAL NOTES

1. DEMOLITION PLANS INDICATE SOME OF THE SCOPE OF WORK INVOLVED FOR THE DEMOLITION PHASE OF THIS PROJECT. CONTRACTOR SHALL REVIEW ALL SHEETS FOR ADDITIONAL DEMOLITION SCOPE.

2. CONTRACTOR SHALL VERIFY EXISTING SITE AND BUILDING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO DEMOLITION ACTIVITIES AND WORK.

3. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY UNFORESEEN CONDITIONS IN WRITING.

4. CONTRACTOR SHALL NOTIFY ARCHITECT AND OWNER OF ANY POSSIBLE ASBESTOS CONTAINING MATERIALS DISCOVERED BEFORE PROCEEDING WITH WORK. PROTECT INTERIOR CONSTRUCTION TO REMAIN DURING DEMOLITION AND CONSTRUCTION.

5. CONTRACTOR SHALL NOT SCALE DRAWINGS.

6. CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY SHORING, TEMPORARY BRACING, AND OR TEMPORARY SUPPORTS AS REQUIRED TO MAINTAIN STRUCTURAL INTEGRITY OF EXISTING STRUCTURE TO REMAIN AND OR EXISTING BUILDING ELEMENTS TO REMAIN.

7. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO DEMOLITION ACTIVITIES AND WORK.

8. CONTRACTOR SHALL REMOVE TRASH AND DEBRIS REGULARLY AS NECESSARY TO ELIMINATED INTERFERENCE WITH ROADS, STREET, WALKS, AND ALL OTHER ADJACENT FACILITIES.

9. CONTRACTOR SHALL REMOVE TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.

10. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF TEMPORARY DUST AND OR SOUND PARTITION BETWEEN CONSTRUCTION AREA AND AREAS NOT IN SCOPE AS NECESSARY. DEMOLITION ACTIVITIES SHALL BE PERFORMED SO AS TO PRODUCE MINIMAL DISTURBANCE TO EXISTING FACILITY AND OCCUPANTS (I.E. MINIMIZE EXCESSIVE AND PROLONGED NOISE LEVELS AND DUST).

11. CONTRACTOR SHALL REPAIR, REPLACE, OR PATCH EXISTING BUILDINGS, DRIVEWAYS, SIDEWALKS, CANOPIES, AND OR PARKING AREAS DAMAGED, MODIFIED, AND OR DISTURBED BY DEMOLITION WORK AT NO COST TO THE OWNER.

12. ALL EXISTING EQUIPMENT THAT REMAINS SHALL BE PROTECTED DURING DEMOLITION AND OR CONSTRUCTION TO PREVENT DAMAGE. ANY DAMAGE TO REMAINING EXISTING EQUIPMENT SUSTAINED DURING DEMOLITION AND OR CONSTRUCTION SHALL BE EQUIVALENTLY REPLACED OR EQUIVALENTLY REPAIRED AT NO COST TO THE OWNER.

13. CONTRACTOR SHALL PROVIDE TRAFFIC HANDLING MEASURES TO PROTECT THE GENERAL PUBLIC AT ALL TIMES, AS NECESSARY AND AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.

14. DO NOT INTERRUPT EXISTING UTILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.

15. WHEN UTILITY SERVICES ARE REQUIRED TO BE REMOVED, RELOCATED, OR ABANDONED, PROVIDE BYPASS CONNECTIONS TO MAINTAIN CONTINUITY OF SERVICE BEFORE PROCEEDING WITH DEMOLITION.

16. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES INCLUDING BUT NOT LIMITED TO THE FOLLOWING: ELECTRIC, GAS, WATER, TELEPHONE, STORM SEWER, AND SANITARY SEWER FOR FIELD LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITY LINES. PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORK, CONTRACTOR SHALL IDENTIFY ALL ELECTRICAL CIRCUITS SERVICING THE AREA INVOLVED WITH THIS DEMOLITION. THOSE CIRCUITS SHALL THEN BE LOCKED OUT AND TAGGED OUT IF THEY DO NOT SERVICE ANY OF THE REMAINING BUILDING THOSE CIRCUITS WHICH ARE IDENTIFIED TO SERVICE BOTH THE AREA TO BE DEMOLISHED AND THE REMAINING BUILDING SHALL BE SPLIT SO AS TO KILL ALL ELECTRICAL POWER TO THE AREA TO BE DEMOLISHED WHILE MAINTAINING POWER TO THE REMAINDER OF THE BUILDING.

17. CONTRACTOR SHALL RELOCATE UTILITIES AND EQUIPMENT AS REQUIRED TO ACCOMMODATE NEW HVAC, ELECTRICAL, PLUMBING, AND TECHNOLOGY REQUIREMENTS FOR NEW WORK.

18. PROTECT EXISTING SITE ELEMENTS AND EXISTING LANDSCAPING TO REMAIN. PROTECTION SHALL INCLUDE BUT NOT BE LIMITED TO EXISTING TREES AND OTHER EXISTING VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING, OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIAL OR EXCAVATED MATERIAL WITHIN DRIP LINES.

19. CONTRACTOR SHALL REGRADE AND HYDROMULCH AREAS AFFECTED BY DEMOLITION.

20. OWNER HAS RIGHT OF FIRST REFUSAL OF ALL ITEMS REMOVED AS PART OF THE SCOPE OF WORK, WHETHER IDENTIFIED AS SALVAGE OR NOT.

21. NOTIFY THE BUILDING OWNER OF ANY MATERIALS, FIXTURES, ETC. TO BE REMOVED THAT ARE DEEMED SALVAGEABLE. TURN OVER ANY REQUESTED ITEMS TO THE BUILDING OWNER IN GOOD AND CLEAN CONDITION.

22. ALL FURNITURE WILL BE REMOVED OR RELOCATED BY THE OWNER AS NECESSARY PRIOR TO THE DEMOLITION WORK OF THIS PROJECT. CONTRACTOR SHALL COORDINATE WITH OWNER AS REQUIRED.

23. REMOVE EXISTING CONSTRUCTION TO THE EXTENT INDICATED ON THE DRAWINGS. SHOULD ANY DAMAGE OCCUR TO ANY EXISTING CONSTRUCTION TO REMAIN, THE CONTRACTOR SHALL REPAIR THE DAMAGE TO MATCH EXISTING AND OR ADJACENT CONSTRUCTION AT NO COST TO THE OWNER.

24. MAINTAIN ANY AND ALL EXISTING FIRE-RATED ASSEMBLIES THAT ARE TO REMAIN, AND THEIR ASSOCIATED FIRE-RATINGS, INCLUDING BUT NOT LIMITED TO ALL ASSOCIATED EXISTING FIRE-RATED OPENINGS, ALL ASSOCIATED EXISTING FIRE-RATED PENETRATIONS, AND ALL ASSOCIATED EXISTING FIRE-RATED FIRESTOPPING CONDITIONS.

25. WHEN UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS THAT CONFLICT WITH THE INTENDED FUNCTION OR DESIGN ARE ENCOUNTERED, DETERMINE THE NATURE AND EXTENT OF THE CONFLICT AND NOTIFY THE ARCHITECT IMMEDIATELY FOR RESOLUTION.

26. EXISTING WALLS (OR PORTIONS OF WALLS) TO BE REMOVED SHALL BE CUT FLUSH WHERE INTERSECTING WITH WALLS TO REMAIN. REMAINING WALLS TO BE PATCHED AND FINISHED SMOOTH.

27. NEW OPENING TO BE CUT IN EXISTING WALLS SHALL BE SAW-CUT AT LOCATIONS INDICATED TO THE HEIGHT AND WIDTH INDICATED. NEW LINTELS SHALL BE INSTALLED TO SUPPORT EXISTING WALL CONSTRUCTION ABOVE AS INDICATED ON THE DRAWINGS, OR IF NOT INDICATED, AS REQUIRED FOR NEW WALL CONSTRUCTION PER STRUCTURAL DRAWINGS. COORDINATE LOCATIONS OF ALL NEW OPENINGS IN EXISTING WALLS AND PARTITIONS WITH ARCHITECTURAL PLANS.

28. WHERE EXISTING WALL OPENINGS ARE TO BE NEWLY CLOSED-OFF, REMOVE ANY EXISTING OPENING FRAME AND PATCH AND REPAIR EXISTING WALL TO MATCH EXISTING ADJACENT MATERIALS AND FINISHES, UNLESS NOTED OTHERWISE.

29. WHERE EXISTING INTERIOR WALLS ARE REPLACED OR REMOVED, REMOVE MEPT SYSTEMS BACK TO PANEL, OR MECHANICAL ROOM, OR FARTHEST POSSIBLE POINT WITHOUT DISTURBING EXISTING CONSTRUCTION. REMOVE EXISTING MECHANICAL EQUIPMENT, RELOCATE POWER PER MEPT DRAWINGS.

30. REFER TO MEPT DRAWINGS FOR DEMOLITION OF MEPT SYSTEMS. IDENTIFY WORK REQUIRED BY THIS CONTRACTOR WHICH MAY AFFECT DEMOLITION AND OR REPAIRS OF ARCHITECTURAL ELEMENTS. COORDINATE WITH RELATED SUBCONTRACTORS THE EXTENT OF ALL DEMOLITION WORK.

31. PATCH FLOORS, WALLS, CEILINGS WHICH REMAIN AT LOCATIONS WHERE PIPES, CONDUITS, ETC. ARE REMOVED AS REQUIRED TO MATCH EXISTING CONDITIONS OR TO RECEIVE NEW FINISHES.

32. WHERE EXISTING FINISH FLOOR IS REMOVED, PREPARE FLOOR SURFACE TO RECEIVE NEW FLOORING.

33. ALL RED DASHED LINES ARE DEMOLITION LINES U.N.O.

KEYNOTES

NOTE	DESCRIPTION
04	(E) SHED, PROTECT IN PLACE
06	(E) STORM DRAIN INLET TO REMAIN, PROTECT IN PLACE
11	DEMOS (E) PLAY STRUCTURE, AND ASSOCIATED PLAYMATTING AND FOOTING
12	DEMOS (E) FENCING
17	(E) FENCING AROUND (E) MECHANICAL EQUIPMENT SHALL REMAIN
18	REMOVE (E) PLAY YARD STRIPING AND PREPARE FOR NEW STRIPING

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MONTES VERDES TK
BUILDING
2551 St Cloud Dr, San Bruno, CA 94066

DSA No.	01-122742	
Project Status:	CD	
Date:	01/13/2026	
Revision Schedule		
No.	Date	Description

Project No: 25007
Sheet Title:

DEMOLITION SITE PLAN

Scale: As indicated
Sheet No:

AD1.10

DEMOLITION SITE PLAN

1" = 10'-0"

1



SITE PLAN LEGEND

- (E) LANDSCAPING

(E) CONCRETE PAVING

(E) ASPHALT PAVING

(E) FENCING TO REMAIN
- FH

(E) FIRE HYDRANT

(N) CONCRETE PAVING,
SEE CIVIL DRAWINGS

(N) ASPHALT PAVING,
SEE CIVIL DRAWINGS

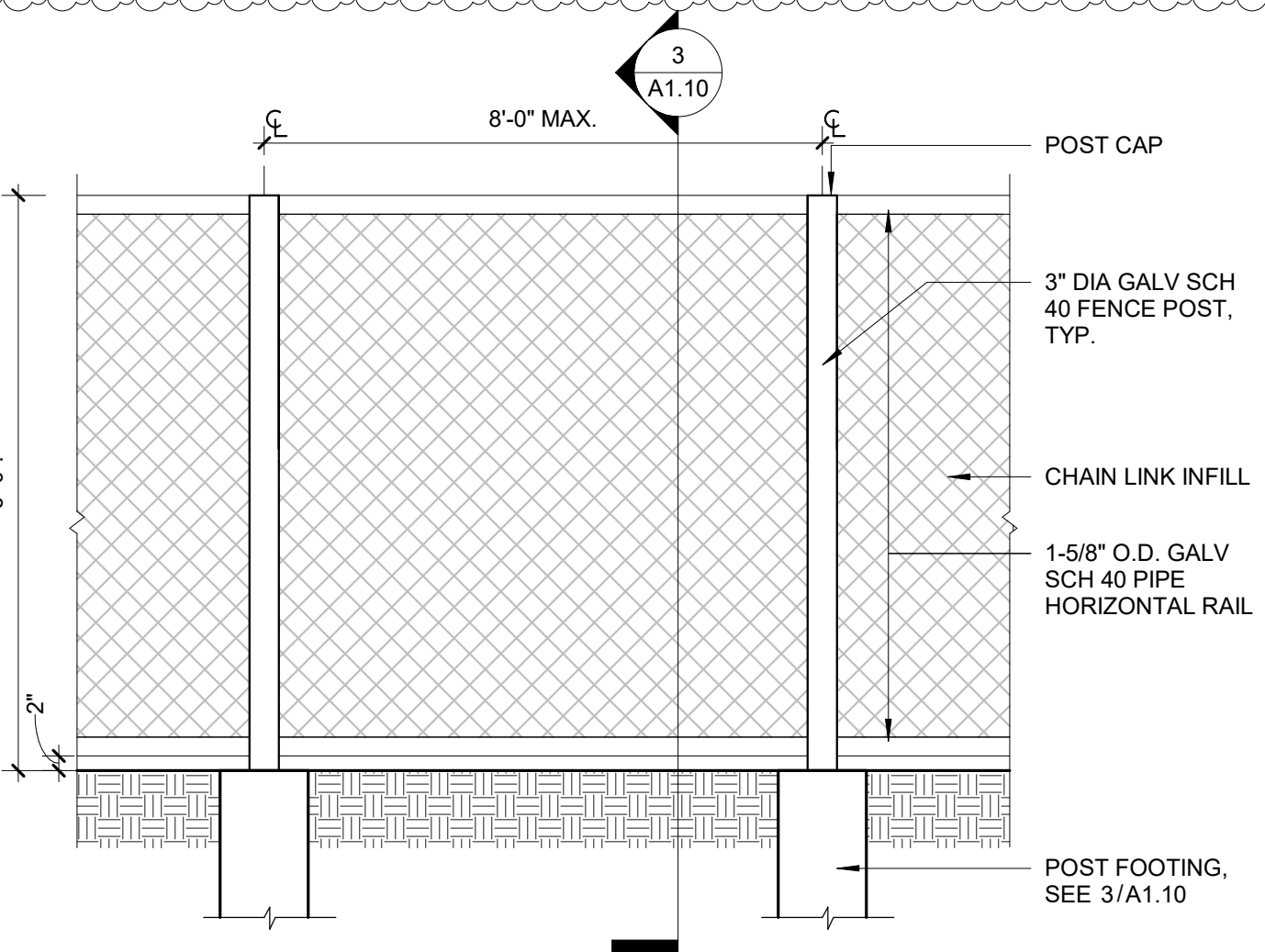
(N) 6'-0" HIGH CHAIN LINK
FENCING, SEE DETAIL 2/A1.10

SITE PLAN GENERAL NOTES

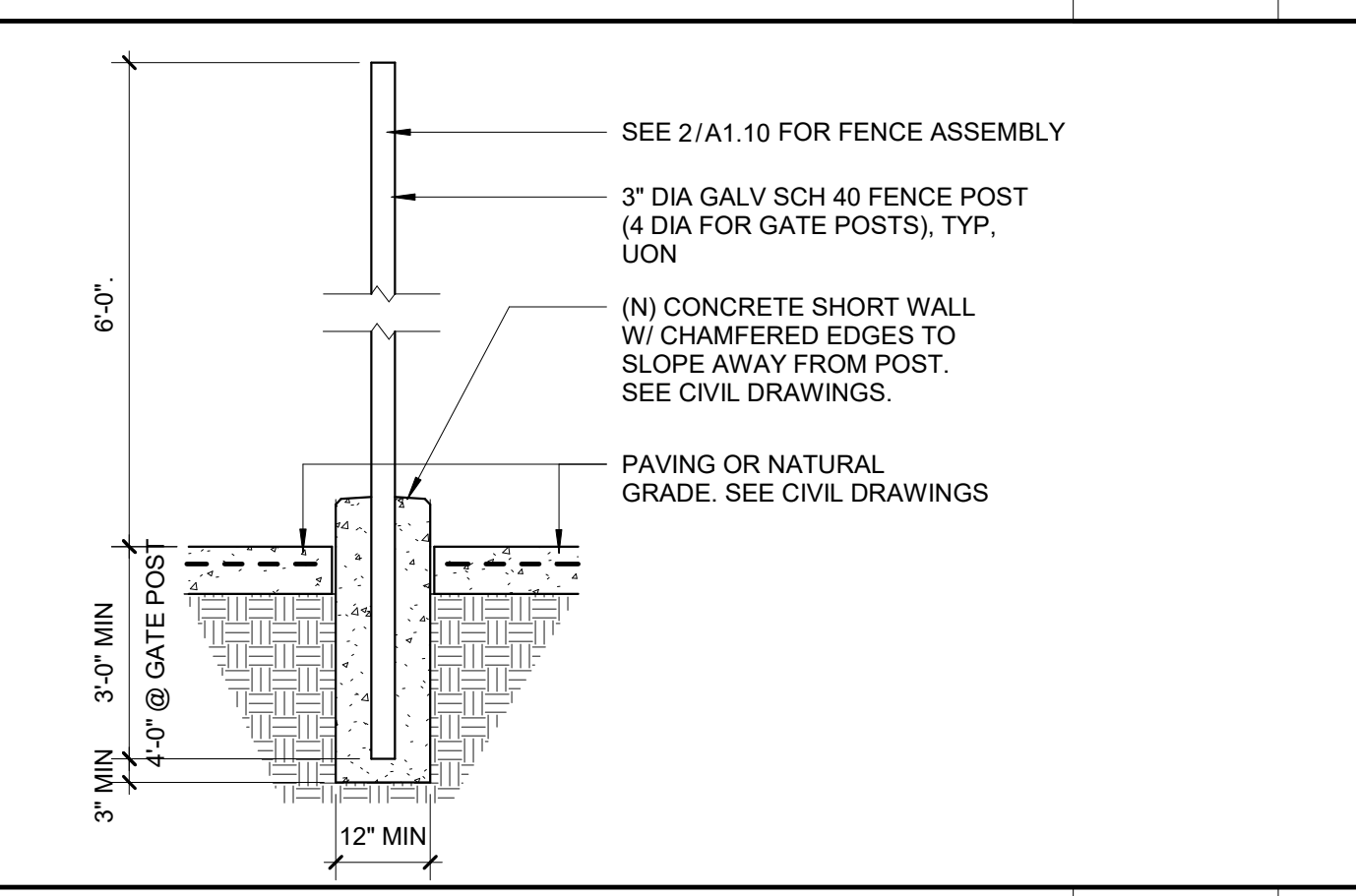
1. REFER TO CIVIL AND PC DRAWINGS FOR MORE INFORMATION.
2. COORDINATE ALL SPOT ELEVATIONS AND DIMENSIONS WITH PC DRAWINGS, CIVIL, AND/OR STRUCTURAL DOCUMENTS.
3. REFER TO CIVIL DOCUMENTS FOR CONCRETE SIDEWALK EXPANSION JOINTS AND CONCRETE SIDEWALK CONTROL JOINTS
4. VERIFY AND CONFIRM ALL JOINT LAYOUTS AT ALL CONCRETE SIDEWALKS WITH ARCHITECT PRIOR TO POURING OF CONCRETE
5. PROVIDE AND INSTALL CONCRETE SIDEWALK EXPANSION JOINTS AT AREAS NOT SPECIFICALLY INDICATED AT 50 FEET ON-CENTER MAX. U.N.O.
6. PROVIDE AND INSTALL CONCRETE SIDEWALK CONTROL JOINTS AT AREAS NOT SPECIFICALLY INDICATED AT DISTANCES EQUIVALENT TO SIDEWALK WIDTH, BUT NOT TO EXCEED 10 FEET ON-CENTER MAX.
7. VERIFY ALL SITE SIGNAGE LOCATIONS WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION OF SITE SIGNAGE.
8. FINAL KNOX BOX LOCATIONS TO BE DETERMINED BY CLIENT/OWNER AND/OR LOCAL FIRE MARSHAL

KEYNOTES

NOTE	DESCRIPTION
06	(E) STORM DRAIN INLET TO REMAIN, PROTECT IN PLACE
09	(E) PLAY YARD STRIPING TO BE REINSTATED
21	(N) 3'-6" WIDE X 6'-0" HIGH CHAIN LINK GATE, SEE DETAIL 4/A1.10
23	60" X 60" MIN LANDING CLEARANCE AT PULL SIDE OF GATE/DOOR W/ 2% MAX CROSS SLOPE
23A	66" X 60" MIN LANDING CLEARANCE AT PULL SIDE OF GATE/DOOR W/ 2% MAX CROSS SLOPE
24A	54" X 48" MIN LANDING CLEARANCE AT PUSH SIDE OF GATE/DOOR W/ 2% MAX CROSS SLOPE
27	(N) ACCESSIBLE HI-LO DRINKING FOUNTAIN. SEE MODULAR MANUFACTURER DRAWINGS.
31	(N) PLAY STRUCTURES & ASSOCIATED POURED-IN-PLACE EPDM SURFACING BY OWNER VENDOR, SEE SHEET A1.11

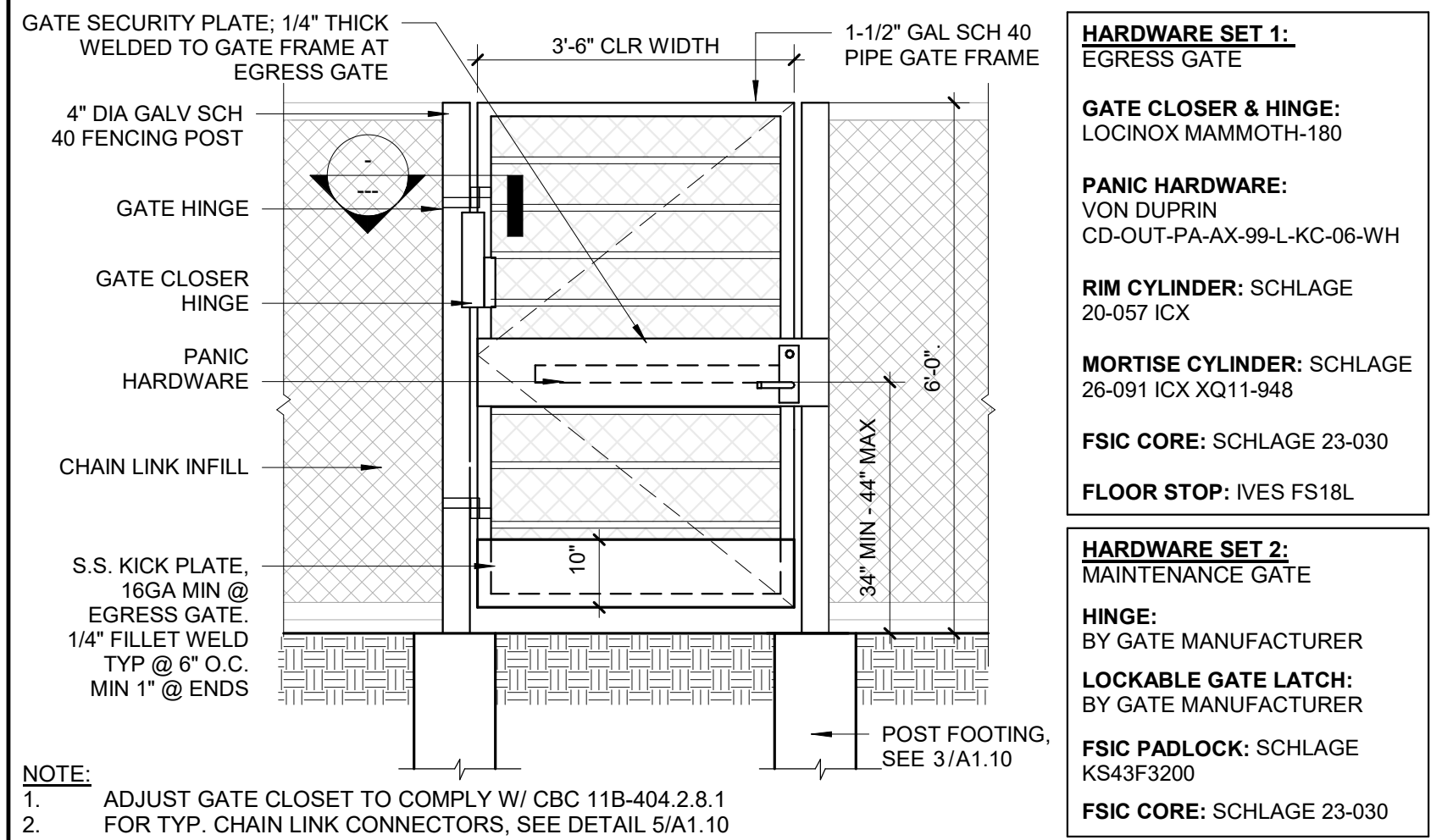


FENCE ELEVATION 1/2" = 1'-0" 2

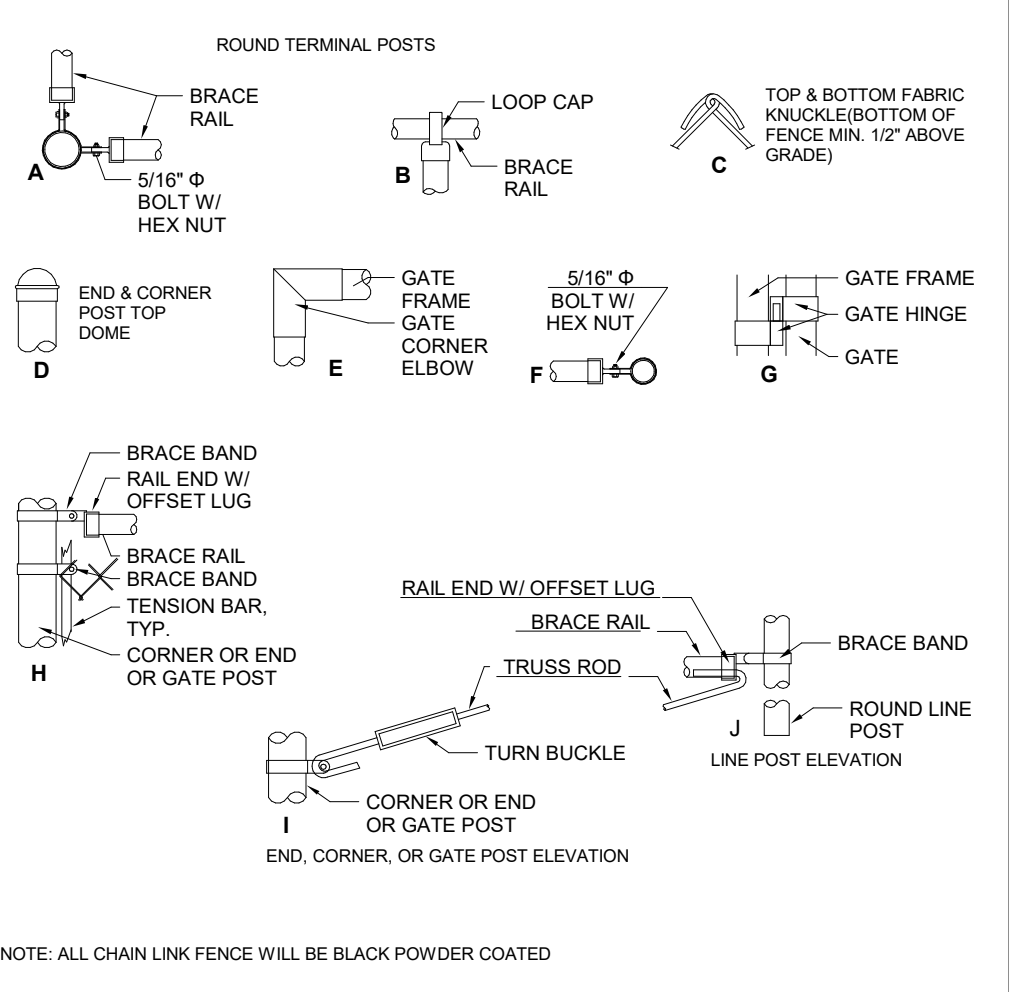


FENCE SECTION 1/2" = 1'-0" 3

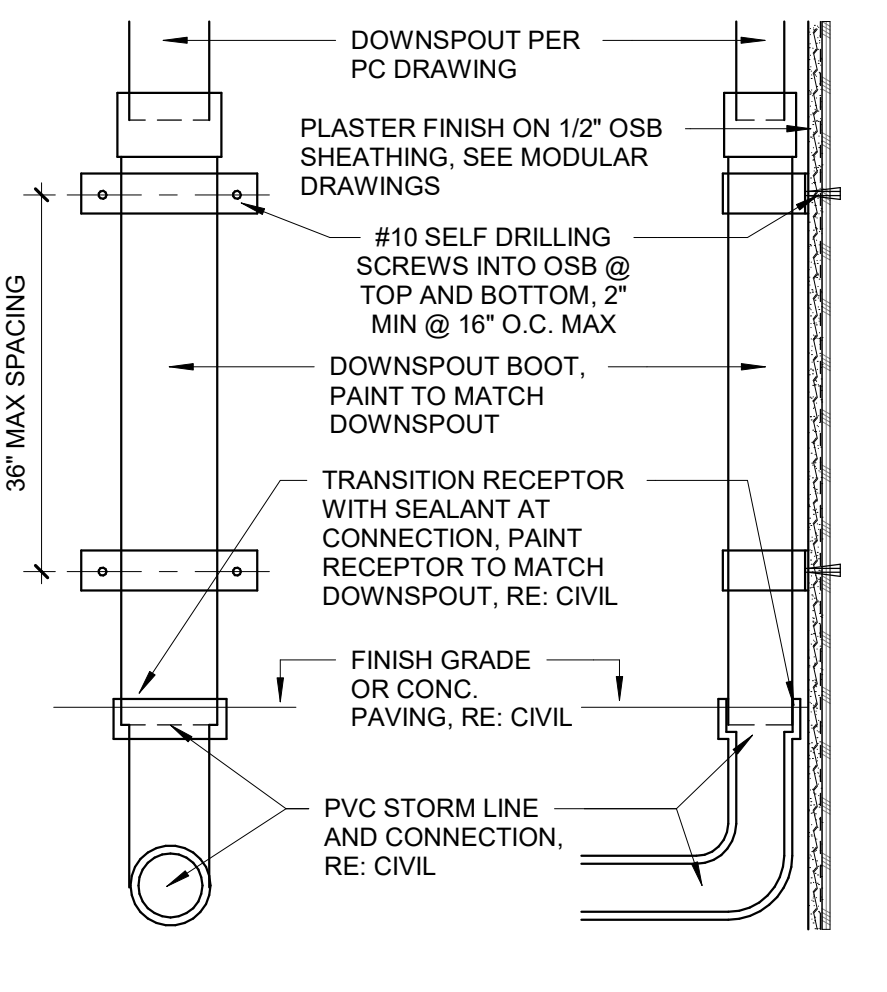
SITE PLAN 1" = 10'-0" 1



GATE ELEVATION 1/2" = 1'-0" 4



CHAIN LINK CONNECTORS 1" = 1'-0" 5



DOWNSPOUT BOOT 1" = 1'-0" 9

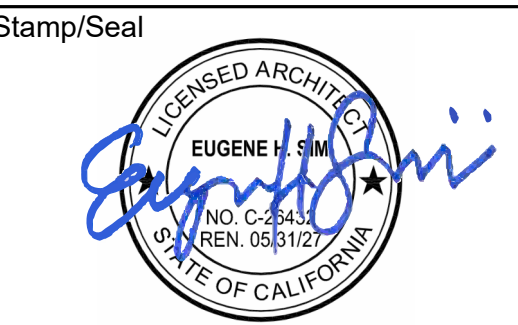


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MONTE VERDE ES TK
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2551 St Cloud Dr, San Bruno, CA 94066

DSA No. 01-122742
Project Status: Bid
Date: 02/26/2026
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No. Date Description
1 02/26/26 DSA Addendum 01

Project No: 25007
Sheet Title:

Scale: As indicated
Sheet No:

A1.10

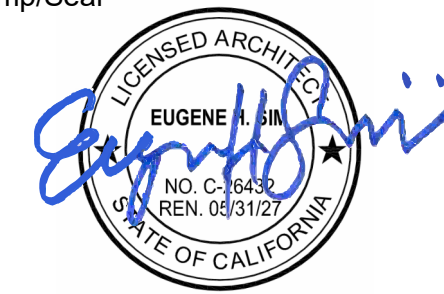
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**MONTE VERDE ES TK
BUILDING**
2551 St Cloud Dr, San Bruno, CA 94066

DSA No.	01-122742	
Project Status:	Bid	
Date:	02/26/2026	
Revision Schedule		
No.	Date	Description
1	02/26/26	DSA Addendum 01

Project No:	25007
Sheet Title:	

PLAY STRUCTURE PLAN

Scale: _____
Sheet No: _____
A1.11

NOTE:
1. THERE ARE NO SHADE CANOPIES AS AN INTEGRAL PART OF THE PLAY STRUCTURE AND SHALL NOT BE IDENTIFIED AS A SCHOOL BUILDING PER CAC SECTION 4-314

PLAY AREA - SEE APPENDIX E.2.1 (RHS) **CAPACITY: 41 - 46 CHILDREN**

NOTES:

1. THE USER SHALL BE 5'0" (152.4 CM) FOR 5.0.8 (RHS)
2. THE USER SHALL BE 5'0" (152.4 CM) FOR 5.0.8 (RHS)
3. THE USER SHALL BE 5'0" (152.4 CM) FOR 5.0.8 (RHS)
4. THE USER SHALL BE 5'0" (152.4 CM) FOR 5.0.8 (RHS)
5. THE USER SHALL BE 5'0" (152.4 CM) FOR 5.0.8 (RHS)



ADA Compliant



ASTM INTERNATIONAL

A. LIST OF ELEVATED PLAY COMPONENTS

NAME OF COMPONENT	HEIGHT	DIAMETER	THICKNESS	WEIGHT	LOCATION
A1	42"	12"	1"	100 LB	PLAY AREA
A2	42"	12"	1"	100 LB	PLAY AREA
A3	42"	12"	1"	100 LB	PLAY AREA
A4	42"	12"	1"	100 LB	PLAY AREA

B. MINIMUM NUMBER AND TYPES OF ELEVATED LEVEL PLAY COMPONENTS IN ACCESSIBLE ROUTES

MINIMUM NUMBER	MINIMUM TYPES
1	1
2	2
3	3
4	4

C. MINIMUM NUMBER AND TYPES OF ELEVATED LEVEL PLAY COMPONENTS IN ACCESSIBLE ROUTES

MINIMUM NUMBER	MINIMUM TYPES
1	1
2	2
3	3
4	4

D. MINIMUM NUMBER AND TYPES OF ELEVATED LEVEL PLAY COMPONENTS IN ACCESSIBLE ROUTES

MINIMUM NUMBER	MINIMUM TYPES
1	1
2	2
3	3
4	4

E. MINIMUM NUMBER AND TYPES OF ELEVATED LEVEL PLAY COMPONENTS IN ACCESSIBLE ROUTES

MINIMUM NUMBER	MINIMUM TYPES
1	1
2	2
3	3
4	4

F. MINIMUM NUMBER AND TYPES OF ELEVATED LEVEL PLAY COMPONENTS IN ACCESSIBLE ROUTES

MINIMUM NUMBER	MINIMUM TYPES
1	1
2	2
3	3
4	4

G. MINIMUM NUMBER AND TYPES OF ELEVATED LEVEL PLAY COMPONENTS IN ACCESSIBLE ROUTES

MINIMUM NUMBER	MINIMUM TYPES
1	1
2	2
3	3
4	4

H. MINIMUM NUMBER AND TYPES OF ELEVATED LEVEL PLAY COMPONENTS IN ACCESSIBLE ROUTES

MINIMUM NUMBER	MINIMUM TYPES
1	1
2	2
3	3
4	4

I. MINIMUM NUMBER AND TYPES OF ELEVATED LEVEL PLAY COMPONENTS IN ACCESSIBLE ROUTES

MINIMUM NUMBER	MINIMUM TYPES
1	1
2	2
3	3
4	4

J. MINIMUM NUMBER AND TYPES OF ELEVATED LEVEL PLAY COMPONENTS IN ACCESSIBLE ROUTES

MINIMUM NUMBER	MINIMUM TYPES
1	1
2	2
3	3
4	4

K. MINIMUM NUMBER AND TYPES OF ELEVATED LEVEL PLAY COMPONENTS IN ACCESSIBLE ROUTES

MINIMUM NUMBER	MINIMUM TYPES
1	1
2	2
3	3
4	4

L. MINIMUM NUMBER AND TYPES OF ELEVATED LEVEL PLAY COMPONENTS IN ACCESSIBLE ROUTES

MINIMUM NUMBER	MINIMUM TYPES
1	1
2	2
3	3
4	4

M. MINIMUM NUMBER AND TYPES OF ELEVATED LEVEL PLAY COMPONENTS IN ACCESSIBLE ROUTES

MINIMUM NUMBER	MINIMUM TYPES
1	1
2	2
3	3
4	4

N. MINIMUM NUMBER AND TYPES OF ELEVATED LEVEL PLAY COMPONENTS IN ACCESSIBLE ROUTES

MINIMUM NUMBER	MINIMUM TYPES
1	1
2	2
3	3
4	4

O. MINIMUM NUMBER AND TYPES OF ELEVATED LEVEL PLAY COMPONENTS IN ACCESSIBLE ROUTES

MINIMUM NUMBER	MINIMUM TYPES
1	1
2	2
3	3
4	4

P. MINIMUM NUMBER AND TYPES OF ELEVATED LEVEL PLAY COMPONENTS IN ACCESSIBLE ROUTES

MINIMUM NUMBER	MINIMUM TYPES
1	1
2	2
3	3
4	4

Q. MINIMUM NUMBER AND TYPES OF ELEVATED LEVEL PLAY COMPONENTS IN ACCESSIBLE ROUTES

MINIMUM NUMBER	MINIMUM TYPES
1	1
2	2
3	3
4	4

R. MINIMUM NUMBER AND TYPES OF ELEVATED LEVEL PLAY COMPONENTS IN ACCESSIBLE ROUTES

MINIMUM NUMBER	MINIMUM TYPES
1	1
2	2
3	3
4	4

S. MINIMUM NUMBER AND TYPES OF ELEVATED LEVEL PLAY COMPONENTS IN ACCESSIBLE ROUTES

MINIMUM NUMBER	MINIMUM TYPES
1	1
2	2
3	3
4</	



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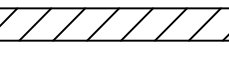
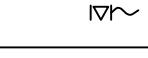
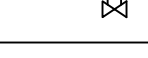
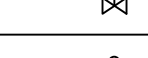
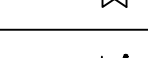
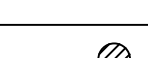
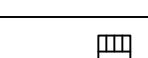
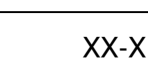
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Project Status:	CD
Date:	01/13/2026
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FLOOR PLAN & ELEVATIONS

A2.10



GENERAL NOTES	
1	BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
2	EXACT LOCATIONS AND MOUNTING HEIGHTS OF PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS.
3	SEE ARCHITECTURAL DRAWINGS FOR ADA FIXTURE LOCATIONS AND MOUNTING HEIGHTS. (INSULATE ALL EXPOSED HOT AND COLD WATER AND DRAIN PIPING BELOW ADA LAVATORIES AND SINKS AND OFFSET P-TRAP AGAINST WALL. ALSO, ALL FLUSH VALVES SHALL BE TO WIDE SIDE OF STALL.)
4	TRAPS FOR ALL LAVATORIES AND SINKS SHALL TRAP STRAIGHT BACK TO WALL WITH ALL REQUIRED OFFSETS HAPPENING WITHIN THE WALL.
5	THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE IN THE NAME OF THE OWNER AND SHALL PAY ALL MATERIAL AND LABOR COSTS INCIDENTAL TO AN OPERABLE UTILITY SERVICE AS REQUIRED BY THE DESIGNATED GOVERNING AUTHORITIES OF THE CITY.
6	ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING.
7	THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL CEILING ACCESS PANELS WITH THE ARCHITECTURAL REFLECTED CEILING PLANS AND THE ELEC. LIGHTING LAYOUT.
8	THE PLUMBING CONTRACTOR SHALL PROVIDE THE WATER, SEWER AND STORM DRAIN SYSTEMS TO A POINT OF CONNECTION SHOWN ON FLOOR PLANS AND SHALL MEET THE INVERT ELEVATION AS FIELD VERIFIED WHILE MAINTAINING REQUIRED PIPE GRADE.
9	ANY ALTERATIONS TO A STRUCTURAL MEMBER, SUCH AS CUTTING, BORING, BRAZING, DRILLING, WELDING, ETC. SHALL HAVE PRIOR WRITTEN APPROVAL OF ARCHITECT AND STRUCTURAL ENGINEER.
10	ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC., AND THE ARCHITECT PRIOR TO ANY INSTALLATION.
11	CONTRACTOR TO PROVIDE WATER HAMMER ARRESTORS AS MANUFACTURED BY JAY R. SMITH. WATER HAMMER ARRESTORS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS ON ALL DOMESTIC WATER BRANCH LINES SERVING FIXTURES.
12	ALL PLUMBING FIXTURE VENTS TO TERMINATE A MIN. OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM ANY OUTSIDE AIR INTAKES.
13	ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.
14	CONTRACTOR SHALL COORDINATE LAYOUT OF ALL BELOW GRADE PIPING AND COMPONENTS WITH GENERAL CONTRACTOR PRIOR TO BID TO DETERMINE EXTENT OF REQUIRED SAW CUTTING, EXCAVATION, AND SUBSEQUENT REPAIR/RESTORATION OF ALL AFFECTED HARDSCAPE AND SOFTSCAPE SURFACES. ALL SUCH ITEMS SHALL BE INCLUDED IN BID.
15	BEFORE FABRICATION OR INSTALLATION THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT AND EQUIPMENT PROVIDED UNDER ANOTHER SECTION OF SPECIFICATIONS. EXACT ROUGH-IN LOCATIONS AND REQUIREMENTS SHALL BE COORDINATED IN FIELD.
16	ALL POINTS OF CONNECTION SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR PRIOR TO BID.
17	ALL WASTE AND VENT PIPING SHALL SLOPE AT 2% UNLESS OTHERWISE INDICATED.
18	ALL VALVES, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
19	THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH AND BE CONSIDERED TO BE A PART OF SEPARATE AND COMPLETE MECHANICAL SPECIFICATIONS.
20	CONNECTION BETWEEN INCOMPATIBLE MATERIALS ABOVE GRADE AND INSIDE BUILDING SHALL BE MADE WITH TWO (2) DIELECTRIC UNIONS SEPARATED BY A SIX INCH (6") SECTION OF RED BRASS PIPE.
21	ALL EXTERIOR GAS COCKS, WATER SHUT OFF VALVES AND/OR SEWER CLEANOUTS BELOW GROUND SHALL BE INSTALLED IN YARD BOXES WITH THE COVERS CONSPICUOUSLY MARKED "GAS", "WATER", AND "SEWER" RESPECTIVELY.
22	THE CONTRACTOR SHALL VERIFY THE EXACT ELEVATIONS AND LOCATION OF EXISTING DRAINAGE SYSTEM PIPING PRIOR TO CONNECTION OF ANY PIPING.
23	ALL HORIZONTAL PIPING LINES EXTENDED AND CONNECTED TO EQUIPMENT SHALL BE RUN AT THE HIGHEST POSSIBLE ELEVATIONS AND NOT LESS THAN 6" ABOVE THE FLOOR TO PROVIDE CLEARANCE FOR CLEANING. AT WALL OR COLUMN LOCATIONS, PIPING ROUGH-IN SHALL BE STUBBED IN WALLS WHENEVER POSSIBLE.
24	THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL AREAS WHICH ARE DAMAGED BY HIS OPERATIONS. IN ADDITION, THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ALL EXISTING TO REMAIN STRUCTURE AND NEW CONSTRUCTION DAMAGED BY HIS OPERATIONS.
25	THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL PAVED AREAS WHICH ARE EXCAVATED AND/OR DAMAGED BY HIS OPERATIONS. IN ADDITION, THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ALL PLANTED AREAS DAMAGED BY HIS OPERATIONS.
26	ALL PATCHING AND REPAIRING OF CONCRETE PAVING AND/OR WALKS SHALL BE UNDER ANOTHER SECTION OF THE SPECIFICATIONS.
27	ALL EXISTING PIPING DAMAGED DURING EXCAVATION SHALL BE REPAIRED WITH MATERIALS TO MATCH EXISTING BY THE CONTRACTOR AT NO COST TO THE OWNER.
28	ALL CUTTING OF EXISTING PAVING, WALKS AND/OR FLOORS SHALL BE BY MACHINE SAW CUTTING. HOLES FOR PIPES IN CONCRETE WALLS OR FLOORS SHALL BE DONE BY CORE DRILLING EQUIPMENT.
29	ALL PIPING, EXCEPT PIPING OF NONFERROUS MATERIAL, INSTALLED WITHIN THE GROUND SHALL BE PROTECTED AGAINST CORROSION BY A PROTECTIVE COVERING SUITABLE FOR THE PURPOSE AND SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL. ANY PIPING SUBJECT TO UNDUE CORROSIVE ACTION SHALL BE PROTECTED IN A MATTER SUITABLE FOR THE PURPOSE AND SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL.
30	ALL PENETRATIONS AND OPENINGS IN PARTY WALLS AND ROOF/FLOOR/CEILING ASSEMBLIES DUE TO PLUMBING WORK SHALL BE SEALED LINED, INSULATED OR OTHERWISE TREATED TO MAINTAIN THE REQUIRED FIRE AND SOUND RATING.

PLUMBING LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
—————	W	SANITARY WASTE/SEWER PIPING
——GW——	GW	GREASE WASTE PIPING
——SD——	SD	STORM DRAIN PIPING
——OFD——	OFD	OVERFLOW DRAIN PIPING
— - - - -	V	WASTE/SANITARY VENT PIPING
——GV——	GV	GREASE VENT PIPING
		DEMO FIXTURE/PIPING
———(E)W———	(E)W	EXISTING SANITARY SEWER PIPING
———(E)V———	(E)V	EXISTING SANITARY VENT PIPING
———CW———	CW	DOMESTIC COLD WATER PIPING
———HW———	HW	DOMESTIC HOT WATER PIPING
———HWR———	HWR	DOMESTIC HOT WATER RETURN PIPING
———(E)CW———	(E)CW	EXISTING COLD WATER PIPING
———(E)HW———	(E)HW	EXISTING HOT WATER PIPING
———(E)HWR———	(E)HWR	EXISTING HOT WATER RETURN PIPING
——G——	G	NATURAL GAS PIPING
——MPG——	MPG	MEDIUM PRESSURE NATURAL GAS PIPING
——G——	(E)G	EXISTING NATURAL GAS PIPING
——MPG——	(E)MPG	EXISTING MEDIUM PRESSURE NATURAL GAS PIPING
——CD——	CD	CONDENSATE DRAIN PIPING
C		PIPE GOING DOWN
O		PIPE GOING UP
⌒		TEE
Φ ●	FCO	FLOOR CLEANOUT/CLEANOUT TO GRADE
∞		P-TRAP
	POC	POINT OF CONNECTION
▯	WCO	WALL CLEANOUT
⌐		PIPE CAP
—+—	HB	HOSE BIBB
⋈	SOV	SHUT-OFF VALVE
	SOVAP	SHUT-OFF VALVE BEHIND ACCESS PANEL
	SOVYB	SHUT-OFF VALVE IN YARD BOX
		PLUG VALVE
	BV	BALANCING VALVE/CIRCUIT SETTER
		GAS COCK VALVE
		PRESSURE REDUCING VALVE
		CHECK VALVE
	FD	FLOOR DRAIN
	FS	FLOOR SINK
XX.X		EQUIPMENT OR FIXTURE
	CONT.	CONTINUED/CONTINUATION
	DFM	DISTANCE FROM METER
	FR.	FROM
	BEL.	BELOW
	DN.	DOWN
	VTR	VENT THROUGH ROOF
	AP	ACCESS DOOR
	NIC	NOT IN CONTRACT
	REF.	REFERENCE
	S.A.D.	SEE ARCHITECTURAL DRAWINGS
	S.M.D.	SEE MECHANICAL DRAWINGS
	S.C.D.	SEE CIVIL DRAWINGS
	S.S.D.	SEE STRUCTURAL DRAWINGS
	SF	SQUARE FEET
LIST OF APPLICABLE CODES		
LIST OF CODES AND STANDARDS MODEL CODE EDITIONS EFFECTIVE JANUARY 1, 2023		
2022 CA BUILDING CODE TITLE 24 PART 2 VOLUME #1 AND #2		
2022 CA ELECTRICAL CODE TITLE 24 PART 3		
2022 CA MECHANICAL CODE TITLE 24 PART 4		
2022 CA PLUMBING CODE TITLE 24 PART 5		
2022 CA FIRE CODE TITLE 24 PART 9		
2022 CA GREEN BUILDING STANDARDS TITLE 24 PART 11		

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DATE: 02/17/2026



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Client Logo



Consultant Logo



Stamp/Seal



MONTE VERDE ES TK
BUILDING

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Date:	10/20/2025	
Revision Schedule		
No.	Date	Description

Project No:	25007
Sheet Title:	

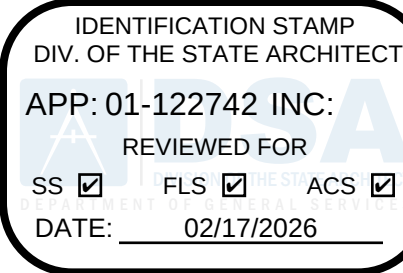
PLUMBING:GENERAL
NOTES AND LEGEND

Scale:	NONE
Sheet No:	

P0.01

1 UNDERFLOOR PLAN
1/4" = 1' - 0"

SPECIFICATIONS		ABBREVIATIONS		SYMBOLS																	
<p>SPECIFICATIONS (SECTION 16000, ELECTRICAL)</p> <p>PART 1 - GENERAL</p> <p>1.1 GENERAL TERMS AND CONDITIONS</p> <p>A. "LANDLORD" HEREIN INDICATES THE BUILDING OWNER OR HIS REPRESENTATIVE. "OWNER" HEREIN INDICATES THE TENANT OR THE TENANTS' REPRESENTATIVE. "CONTRACTOR" HEREIN INDICATES THE ELECTRICAL CONTRACTOR (EC).</p> <p>B. SECTION 16000 OUTLINES ELECTRICAL INSTALLATION OF SUBJECT PROJECT. THIS CONTRACTOR IS DIRECTED TO REFER TO OTHER SECTIONS, WHICH INCLUDES THE ARCHITECTURAL, MECHANICAL AND PLUMBING PLANS AND SPECIFICATIONS AND LANDLORDS' REQUIREMENTS RELATIVE TO ADDITIONAL TECHNICAL AND LEGAL REQUIREMENTS.</p> <p>C. CONTRACTOR TO PAY ALL FEES, CHARGES, MATERIALS, TOOLS, TRANSPORTATION, EMPLOYEE WAGES, ALL SUB-CONTRACTORS, IF ANY, ETC. IN A TIMELY MANNER, OBTAIN INSURANCES, LICENSES, PERMITS, ETC. AS REQUIRED BY LOCAL, STATE AND FEDERAL LAWS - ADDITIONAL INSURANCE COVERAGES SHALL BE AS REQUIRED BY THE LANDLORD AND OWNER.</p> <p>D. PROVIDE A FORMAL LIEN RELEASE TO THE LANDLORD AND COPY TO OWNER, CONTRACTOR AND HIS SUB-CONTRACTORS, IF ANY. SHALL HOLD LANDLORD, OWNER, ARCHITECT AND ENGINEERS HARMLESS RELATIVE TO HIS PERFORMANCE OF THE ELECTRICAL WORK.</p> <p>1.2 COOPERATION, COORDINATION AND SITE VERIFICATION</p> <p>A. IT IS ESSENTIAL FOR THIS CONTRACTOR TO BE FAMILIAR WITH THE LANDLORDS AND CITYS REQUIREMENTS AND HAVE THE ABILITY TO COOPERATE AND COORDINATE HIS WORK WITH OTHER TRADES, THE LANDLORD, OWNER AND THE CITY INSPECTOR.</p> <p>B. HE SHALL HAVE A MINIMUM WORKING KNOWLEDGE OF ALL APPLICABLE CODES AND REQUIREMENTS. FURTHER, HE SHALL HAVE A BASIC WORKING KNOWLEDGE WITH RESPECT TO FEEDER SIZING, VOLTAGE DROP, BASIC DEVICE PROTECTION, ETC., IN ORDER TO INTELLIGENTLY VERIFY EXISTING FIELD CONDITIONS PRIOR TO BID AND POINT OUT DEFICIENCIES TO THE GENERAL CONTRACTOR.</p> <p>C. BEFORE SUBMITTING HIS BID, CONTRACTOR SHALL VISIT SITE AND CONTACT CITY, LANDLORD AND ALL UTILITIES TO VERIFY LOCATION, SIZE, DEPTH AND OPERATING CHARACTERISTICS OF ALL POINTS OF CONNECTION AND SERVICES. EXAMINE THE SITE AND PREMISES PRIOR TO SUBMISSION OF BID.</p> <p>D. LIST ALL EXTRAS AND EXCEPTIONS ON HIS BID AS ALLOWANCE FOR FURTHER EXPENSES INCURRED DUE TO FAILURE TO EXAMINE THE EXISTING SITE CONDITIONS INCLUDING LANDLORDS ELECTRICAL SERVICE EQUIPMENT AND DISTRIBUTION TO THIS JOB SITE MAY NOT BE PERMITTED.</p> <p>E. THE PLANS INDICATE THE GENERAL ARRANGEMENT OF THE ELECTRICAL LAYOUT. TIGHT CONDITIONS MUST BE WORKED OUT IN ADVANCE PRIOR TO MAJOR PURCHASES OF EQUIPMENT AND ROUGH-IN WORK. DO NOT SCALE FROM THIS SET OF PLANS.</p> <p>F. WHEN APPROVAL IS GIVEN FOR USE OF EQUIPMENT DIFFERING FROM THAT SHOWN ON DRAWINGS IN REGARD TO FOUNDATIONS, SPACE OF PIPING, DUCTWORK, WIRING, INSULATION, ETC., CHANGES REQUIRED TO ACCOMMODATE THE DIFFERENCES SHALL BE ACCOMPLISHED AT NO COST TO OWNER.</p> <p>G. THE LOCATION OF ALL EQUIPMENT ON THESE DRAWINGS IS SHOWN DIAGRAMMATICALLY. COORDINATE EXACT LOCATION OF EQUIPMENT WITH OTHER TRADES FOR CONDUIT ROUGH-IN AND EQUIPMENT LOCATION.</p> <p>1.3 SCOPE OF WORK</p> <p>THE WORK INCLUDED IN THE SPECIFICATIONS SHALL CONSIST OF FURNISHING ALL LABOR, MATERIAL, AND EQUIPMENT TO COMPLETELY INSTALL ALL WORK SHOWN ON THE FURNISHED PLANS AND SPECIFIED HEREIN, INCLUDING, BUT NOT LIMITED TO CONNECTIONS TO ALL EQUIPMENT ITEMS, POWER, LIGHTING, COMMUNICATIONS, CONTROL, AND ALARM. ALL INSTALLATIONS TO BE ACCOMPLISHED TO THE SATISFACTION OF THE CITY INSPECTOR, LANDLORD AND OWNER IN ACCORDANCE WITH THESE SPECIFICATIONS AND PLANS. FULL COMPLIANCE WITH TENANTS' HANDBOOK AND GUIDELINES".</p> <p>1.4 CODES, PERMITS AND INSPECTION</p> <p>1. THE INSTALLATION SHALL COMPLY WITH ALL STATE, LOCAL AND FEDERAL GOVERNMENTS OR THEIR AUTHORITIES HAVING LAWFUL JURISDICTIONS APPLYING TO ELECTRICAL INSTALLATIONS, WITH COMPLIANCE TO:</p> <p>NATIONAL ELECTRICAL CODE (NEC) (CEC) NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) AMERICANS WITH DISABILITIES ACT (ADA)</p> <p>WHERE CONFLICT OCCURS BETWEEN CODES, THE INSTALLATION THAT OFFERS THE MOST STRINGENT REQUIREMENTS AND PROTECTION SHALL BE ENFORCED.</p> <p>2. UNLESS OTHERWISE INDICATED HEREIN AND ON THE ELECTRICAL PLANS, ALL MATERIALS SHALL BE NEW AND SHALL CONFORM TO:</p> <p>NATIONAL ELECTRICAL MANUFACTURES ASSOCIATION (NEMA) NATIONAL ELECTRICAL CODE (NEC) UNDERWRITERS LABORATORIES, INC. (UL) CALIFORNIA ELECTRICAL CODE (CEC)</p> <p>ALL EQUIPMENT/AND DEVICES (INCLUDING ALL LIGHT FIXTURES, PANELBOARDS, DISCONNECTS, ETC.) SHALL HAVE THE MANUFACTURERS NAME PRINTED THEREON AND UNDERWRITERS LABORATORY LISTED. THE LOCATION OF MATERIALS AND EQUIPMENT TO BE PROVIDED UNDER THIS CONTRACT SHALL BE IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND PLANS.</p> <p>1.5 WORKMANSHIP</p> <p>A. ALL WORK SHALL BE EXECUTED IN A FIRST CLASS WORKMANLIKE MANNER AND SHALL PRESENT A NEAT MECHANICAL APPEARANCE WHEN COMPLETED, AND SHALL INCLUDE MODIFICATION OF THE EXISTING SERVICE LOAD CENTERS AS REQUIRED, TIME CLOCKS, OUTLETS, MOTORS, ETC., INCLUDING ALL CONDUITS, RACEWAYS, WIRING, JUNCTION BOXES, LOAD CENTERS, SWITCHES, SUPPORTS AND ALL OTHER NECESSARY APPURTENANCES REQUIRED FOR A COMPLETE OPERATIONAL SYSTEM, INCLUDING THE HANGING AND LAMPING OF ALL FIXTURES AND TRANSFORMERS), EXCEPT AS OTHERWISE NOTED.</p> <p>B. ANY MATERIAL ITEMS OF WORK NOT SHOWN ON THE DRAWINGS, MENTIONED IN THE SPECIFICATIONS OR VICE-VERSA, OR ANY ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE IN ALL RESPECTS AND READY FOR OPERATION SHALL BE INCLUDED IN CONTRACTORS SCOPE OF WORK AND SUCH ITEMS SHALL NOT BE A CAUSE EXTRA WORK OR EXTRA COST TO THE OWNER.</p> <p>C. THIS CONTRACTOR SHALL DO ALL CUTTING AND PATCHING, AS PERMITTED BY THE LANDLORD, NECESSARY FOR THE INSTALLATION OF HIS WORK UNDER THIS CONTRACT, AND THE BUILDING SHALL BE LEFT IN AS GOOD CONDITION AS FOUND. IN CASES WHERE THE LANDLORD REQUIRES THE USE OF HIS OWN CONTRACTOR FOR SPECIFIC WORK AT THE EXPENSE OF THE CONTRACTOR, THIS CONTRACTOR SHALL COORDINATE WITH THE LANDLORDS CONTRACTOR FULLY.</p> <p>D. CONDUIT SHALL BE CONCEALED WHEREVER POSSIBLE AND SHALL BE RUN PARALLEL OR PERPENDICULAR TO BUILDING WALLS & CEILINGS.</p> <p>E. PROVIDE STRUCTURAL STEEL FRAMEWORK AND HANGING RODS WITH BRACES AND ACCESSORIES WHERE REQUIRED TO HOLD EQUIPMENT IN FINAL POSITION. PROVIDE STEEL SHAPES AND FRAMES TO SUPPORT WALL MOUNTED EQUIPMENT WHERE NORMAL WALL STRENGTH MAY BE INADEQUATE.</p> <p>F. ELECTRICAL DEVICES, MOTOR STARTERS, DISCONNECT SWITCHES, ETC., SHALL BE SUPPORTED INDEPENDENT OF AND ISOLATED FROM EQUIPMENT VIBRATION.</p> <p>G. THE LOCATION OF ALL EQUIPMENT ON THESE DRAWINGS IS SHOWN DIAGRAMMATICALLY. COORDINATE EXACT LOCATION OF EQUIPMENT WITH OTHER TRADES FOR CONDUIT ROUGH-IN AND EQUIPMENT LOCATION.</p> <p>PART 2 - PRODUCTS AND EXECUTION</p> <p>1.1 ELECTRICAL MATERIALS</p> <p>A. EACH BIDDER SHALL SUBMIT WITH HIS PROPOSAL A LIST OF MANUFACTURER'S NAMES AND CATALOG NUMBERS OF MATERIALS TO BE USED ON THIS PROJECT.</p> <p>B. THE MANUFACTURER'S CATALOG NUMBERS GIVEN IN THE ELECTRICAL DRAWINGS ARE USED TO INDICATE THE CLASS AND TYPE OF EQUIPMENT DESIRED. BIDDER SHALL NOTE PARTICULARLY THAT HIS BID SHALL BE ON THE BASIS OF THE LIST OF MATERIALS AND EQUIPMENT AS SPECIFIED.</p> <p>C. OTHER MANUFACTURERS AND THEIR CATALOG NUMBERS MAY BE SUBMITTED AT TIME OF BIDDING, BUT ONLY AS VOLUNTARY ALTERNATES AND MUST MEET THE LETTER AND INTENT OF THE DRAWINGS, SPECIFICATIONS AND MUST BE APPROVED BY THE OWNER IN WRITING.</p> <p>D. THE OWNER RESERVES THE RIGHT TO REJECT SUBMISSION OF MATERIAL OR WORK THAT, IN HIS OPINION, DOES NOT MEET REQUIREMENTS AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS.</p> <p>E. ALL DEVICE COVERS SHALL BE METAL.</p> <p>1.2 CONDUIT AND FITTINGS</p> <p>A. CONDUIT SHALL BE CONSTRUED AS ELECTRICAL RACEWAYS AND SHALL CONFORM TO THE FOLLOWING:</p> <ol style="list-style-type: none">1. CONCEALED IN HUNG CEILINGS AND PARTITIONS - EMT.2. EXPOSED ON BUILDING EXTERIOR OR SUBJECTED TO PHYSICAL DAMAGE - RIGID GALVANIZED STEEL OR INTERMEDIATE STEEL CONDUIT.3. CONNECTION TO MOTORS, HVAC PACKAGES OR ANY EQUIPMENT SUBJECTED TO VIBRATION - FLEX, 4 MAXIMUM, LIQUID TIGHT FOR EXTERIOR).4. FLEX NOT EXCEEDING 4" FOR LIGHT FIXTURES.5. UNDERGROUND, UNDERSLAB OR IN SLAB - SCHEDULE 40 PVC.6. ROMEX AND BX NOT PERMITTED.7. PVC ABOVE GRADE NOT PERMITTED.8. LIQUID TIGHT CONNECTIONS AND DEVICES IN FOOD PREPARATION AREAS. <p>B. ALL RACEWAYS SHALL BE RUN CONCEALED IN CEILING, WALLS OR FLOOR SLABS. EXPOSED RACEWAYS SHALL BE LIMITED TO EQUIPMENT IN NON PUBLIC AREAS IN SERVICE EQUIPMENT ROOM.</p>		<p>2.0 STARTERS AND DISCONNECTS</p> <p>A. STARTERS, LOAD CENTERS, LINE SWITCHES AND SIMILAR APPARATUS SHALL BE MOUNTED SECURELY TO WALLS, COLUMNS, ETC. LINE SWITCHES AND STARTERS SHALL BE MOUNTED NEAR MOTORS, AT UNIFORM HEIGHTS ABOVE FLOOR UNLESS OTHERWISE NOTED ON PLAN. INDIVIDUAL LIGHT SWITCHES, LIGHTING DISCONNECT, ETC., NOT MORE THAN 48" ABOVE FINISHED GRADE. SWITCHES SHALL BE ITE HEAVY DUTY TYPE IN NEMA 1 ENCLOSURE OR EQUAL BY SQUARE D OR ARROW-HART. SWITCHES SHALL BE QUICK-MAKE QUICK-BREAK, EXTERNALLY OPERATED AND INTERLOCKED, FULL LOAD BREAK AND NEMA HORSEPOWER RATED.</p> <p>B. FURNISH AND INSTALL ALL WIRING FOR MOTORS, STARTERS, AND PUSH BUTTONS IN ADDITION TO ALL OTHER POWER AND CONTROL WIRING, ALL AS SHOWN ON PLANS AND CONNECTION DIAGRAMS. HOWEVER, MOTORS WILL BE INSTALLED BY OTHERS. IN CASES WHERE THE CAPACITY OR RATING OF THE EQUIPMENT BEING FURNISHED IS BASED ON THE RATING OF EQUIPMENT BEING FURNISHED BY OTHERS, SUCH RATINGS SHALL BE CONFIRMED BEFORE PURCHASING THE EQUIPMENT. USE EQUIPMENT, INCLUDING RECEPTACLES, DISCONNECTS, ETC., RATED NEMA 3R FOR OUTDOORS, SCULLERY AND KITCHEN LOCATIONS. PUSH-BUTTON AND PILOT DEVICES SHALL BE INDUSTRIAL GRADE, OIL TIGHT.</p> <p>C. IDENTIFY DISCONNECT SWITCHES WITH LAMINATED PHENOLIC NAMEPLATES WITH 1/4" MINIMUM HEIGHT LETTERS.</p> <p>D. ALL CONNECTIONS COMPLETE, PROVIDE STARTERS, PULL BOXES, DISCONNECTS AS REQUIRED.</p> <p>2.1 TELEPHONE</p> <p>A. TELEPHONE, ALARM AND SIGNAL SYSTEM OUTLET BOXES SHALL BE STANDARD OUTLET BOX TYPE WHERE ONLY ONE CONDUIT ENTERS SAME. UNLESS OTHERWISE SPECIFIED OR INDICATED ON DRAWINGS, WHERE TWO OR MORE CONDUITS ENTER, OUTLET BOX SHALL BE 4-1/16" WITH SUITABLE ADAPTER COVER RING EXCEPT WHERE OTHERWISE INDICATED ON DRAWINGS. VERIFY WITH TELEPHONE COMPANY AND OWNER FOR LOCATION OF ALL SERVICE.</p> <p>B. FURNISH AND INSTALL EMPTY CONDUIT, OUTLETS AND BACKBOARD TO ACCOMMODATE TELEPHONE COMPANY WIRING AND EQUIPMENT AS SHOWN ON DRAWINGS. WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH TELEPHONE COMPANY REQUIREMENTS.</p> <p>2.2 LOAD BALANCE</p> <p>A. THE CONNECTED LOADS SHALL BE BALANCED AT THE END OF THE PROJECT SO THAT A VARIATION OF AMPERAGE AMONG THE PHASES OF LESS THAN 10% IS PRESENT. BALANCE LOAD AT END OF PROJECT WITH ALL NORMAL OPERATED EQUIPMENT ON (HVAC, LIGHTS, KITCHEN LOADS, ETC.).</p> <p>2.3 ROOF FLASHING</p> <p>A. USE APPROVED ROOF FLASHING FOR CONDUITS PENETRATING THROUGH ROOF STRUCTURE. ROUTE CONDUITS DIRECTLY TO DEVICES FROM CEILING AREA WHENEVER POSSIBLE. DO NOT ROUGH-IN UNLESS THIS CONTRACTOR HAS COORDINATED WITH THE LANDLORD FOR HIS REQUIREMENTS.</p> <p>2.4 TESTING</p> <p>A. PROVIDE TEST EQUIPMENT AND CONDUCT NECESSARY TESTING TO DETERMINE THE CONFORMITY WITH THE SPECIFICATIONS AND THE TOTAL BUILDING SYSTEM REQUIREMENTS. THIS TEST MUST BE MADE UNDER THE OBSERVATION OF THE OWNER'S REPRESENTATIVE AND THE CITY ELECTRICAL INSPECTOR. ANY DEFECTS MUST BE CORRECTED IMMEDIATELY.</p> <p>2.5 EMERGENCY AND EXIT LIGHTING SYSTEM</p> <p>A. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO OBTAIN REQUIREMENTS AND APPROVAL FROM LOCAL CODE AUTHORITIES, ON EMERGENCY AND EXIT LIGHTING.</p> <p>B. EMERGENCY BATTERY-PACK LIGHTS: IN GENERAL BATTERIES SHALL BE REQUIRED WHEN BUILDING DOES NOT PROVIDE EMERGENCY GENERATOR/LIFE SAFETY POWER FOR TENANT SPACE. EMERGENCY LIGHTS SHALL BE CONNECTED TO BUILDING EMERGENCY GENERATOR SYSTEM WHEN AVAILABLE.</p> <p>2.6 CLEAN UP</p> <p>A. THE CONTRACTOR SHALL, AT ALL TIMES, KEEP THE PREMISES FREE FROM ACCUMULATIONS OF WASTE MATERIALS OR RUBBISH CAUSE BY HIS WORK, AND AT THE COMPLETION OF THE WORK, SHALL REMOVE HIS RUBBISH, TOOLS, EQUIPMENT AND SURPLUS MATERIALS, AND SHALL LEAVE HIS WORK CLEAN AND READY FOR USE.</p>		<p>A. AMPS AMPERES</p> <p>AFB ABOVE FINISH FLOOR</p> <p>BOD; TOD BOTTOM DEVICE; TOP OD DEVICE</p> <p>C CONDUIT DIAMETER IN INCHES; ALSO MEANS CIRCUIT FOR DOOR SECURITY MONITORING SYMBOL</p> <p>CAB CABINET</p> <p>CATV CABLE TELEVISION</p> <p>CBC CALIFORNIA BUILDING CODE</p> <p>CEC CALIFORNIA ELECTRICAL CODE</p> <p>CKT CIRCUIT</p> <p>CU COPPER</p> <p>D DRYER (IF NEXT TO A RECEPTACLE)</p> <p>DW DISHWASHER</p> <p>E INDICATES LIGHT FIXTURES WITH EMERGENCY BATTERY BACK-UP, AND UNSWITCHED CIRCUIT.</p> <p>E.C. ELECTRICAL CONTRACTOR</p> <p>ELEC ELECTRICAL</p> <p>ELEV ELEVATOR</p> <p>EMS ENERGY MANAGEMENT SYSTEM</p> <p>ENCL ENCLOSURE</p> <p>EQPT EQUIPMENT</p> <p>F.A. FIRE ALARM</p> <p>FACP FIRE ALARM CONTROL PANEL</p> <p>FC FAULT CURRENT</p> <p>F & IBO FURNISHED AND INSTALLED BY OTHERS</p> <p>FLA FULL LOAD AMPERES</p> <p>FXTR FIXTURE</p> <p>GD GARBAGE DISPOSER (IF NEXT TO A RECEPTACLE)</p> <p>GFCI GROUND FAULT CIRCUIT INTERRUPTER</p> <p>GND; GRD GROUND</p> <p>HP HORSEPOWER</p> <p>HU HEATING UNIT, WALL HEATER, PROVIDED UNDER MECHANICAL WORK, SEE MECHANICAL PLANS FOR COMPLETE INFO.</p> <p>KWHR KILOWATT HOUR</p> <p>LC LIGHTING CONTACTORS</p> <p>LTG LIGHTING (FIXTURE)</p> <p>LV LOW VOLTAGE</p> <p>MCA MINIMUM CIRCUIT AMPACITY (IN AMPERES)</p> <p>MCB MAIN CIRCUIT BREAKER</p> <p>MLO MAIN LUGS ONLY</p> <p>MTD MOUNTED</p> <p>MTG HT. MOUNTING HEIGHT</p> <p>NEC NATIONAL ELECTRICAL CODE</p> <p>NFPA NATIONAL FIRE PROTECTION ASSOCIATION</p> <p>NIC NOT IN CONTRACT</p> <p>NFS NON-FUSED SWITCH</p> <p>NL NIGHTLIGHT</p> <p>PG&E PACIFIC GAS & ELECTRIC</p> <p>PNL; PNLD PANEL; PANELBOARD</p> <p>PRI PRIMARY</p> <p>PROVIDE FURNISH & INSTALL FOR A COMPLETE AND OPERABLE SYSTEM</p> <p>R ELECTRIC RANGE (IF NEXT TO A RECEPTACLE)</p> <p>REC. RECESSED</p> <p>RECEP RECEPTACLE</p> <p>RLA RUNNING LOAD AMPERS</p> <p>SEC SECONDARY; ALSO MEANS SECURITY FOR SECURITY CAMERA SYMBOL</p> <p>SWBD SWITCHBOARD</p> <p>TEL TELEPHONE</p> <p>TYP. TYPICAL</p> <p>UON UNLESS OTHERWISE NOTED</p> <p>V VOLTS</p> <p>KVA KILOVOLT AMPERES</p> <p>W WATTS; ALSO MEANS WASHER IF NEXT TO A RECEPTACLE</p> <p>WP WEATHERPROOF</p> <p>(E), (N) EXISTING, NEW (RESPECTIVELY)</p> <p>(ER) EXISTING TO BE REMOVED</p> <p>(ERP) EXISTING, REMOVE, AND REPLACE AS INDICATED</p> <p>(ERRP) EXISTING, REMOVE, RELOCATE AND REPLACE AS INDICATED</p> <p>(ERR) EXISTING, REMOVE AND RELOCATE</p> <p> SHEET NOTE TAG</p> <p> LIGHTING FIXTURE TAG</p> <p> DETAIL TAG - REFER TO DETAIL 1 ON SHEET E0.1</p> <p> CLOCK/SPEAKER BACK BOX UNDER ONE BAFFLE WITH A FLASH ENCLOSURE.</p> <p> WIRELESS ACCESS POINT WITH CAT 7 CABLE. # INDICATES THE NUMBER OF PORTS</p>																	
<p>MEP COMPONENT ANCHORAGE NOTE</p> <p>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 AND 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:</p> <ol style="list-style-type: none">1. ALL PERMANENT EQUIPMENT AND COMPONENTS.2. TEMPORARY, MOVEABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARDWIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/20 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.3. TEMPORARY, MOVEABLE 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 SUPPORTS THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA. <p>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:</p> <ol style="list-style-type: none">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 SUPPORTS 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 OF FLOOR OF HUNG FROM A WALL. <p>THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL, RESPONSIBLE FOR 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.</p>		<p>PIPEING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE</p> <p>PIPEING, 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.</p> <p>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 PRE-APPROVED INSTALLATION GUIDE (E.G., HCAI OPM OR OPS FOR 2022 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.</p> <p>MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E).</p> <p>MP ☐ MD ☐ PP ☐ E ☒ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS</p> <p>MP ☐ MD ☐ PP ☐ E ☐ OPTION 2: SHALL COMPLY WITH THE APPLICABLE HCAI PRE-APPROVAL (OPM # OR OPS #) # _____</p>																			
<p>COMMISSIONING AND ACCEPTANCE TESTING:</p> <p>THE CONTRACTOR SHALL ENGAGE A PROFESSIONAL COMMISSIONING THIRD PARTY AGENT OR CONSULTANT, CERTIFIED TO PERFORM THE MEP SYSTEMS COMMISSIONING AND TO PROVIDE A REPORT FOR ALL FUNCTIONAL PERFORMANCE TESTS COMPLETED AS PART OF THE ACCEPTANCE TEST PROCESS. THE LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIANS SHALL BE CERTIFIED THRU AN APPROVED TRAINING PROGRAM, AND REGISTERED WITHIN THE STATE OF CALIFORNIA. BUILDING COMMISSIONING REQUIREMENTS SHALL BE MET AS OUTLINED IN THE TITLE 24 STANDARDS, SECTION 120.8. THE FOLLOWING SYSTEMS MUST UNDERGO ACCEPTANCE TESTING:</p> <ol style="list-style-type: none">1. AUTOMATIC DAYLIGHTING CONTROLS2. OCCUPANCY SENSORS3. MULTILEVEL DIMMING CONTROLS4. DAYLIGHTING CONTROLS5. DEMAND RESPONSIVE CONTROLS6. OUTDOOR LIGHTING CONTROLS		<p>REC. RECESSED</p> <p>RECEP RECEPTACLE</p> <p>RLA RUNNING LOAD AMPERS</p> <p>SEC SECONDARY; ALSO MEANS SECURITY FOR SECURITY CAMERA SYMBOL</p> <p>SWBD SWITCHBOARD</p> <p>TEL TELEPHONE</p> <p>TYP. TYPICAL</p> <p>UON UNLESS OTHERWISE NOTED</p> <p>V VOLTS</p> <p>KVA KILOVOLT AMPERES</p> <p>W WATTS; ALSO MEANS WASHER IF NEXT TO A RECEPTACLE</p> <p>WP WEATHERPROOF</p> <p>(E), (N) EXISTING, NEW (RESPECTIVELY)</p> <p>(ER) EXISTING TO BE REMOVED</p> <p>(ERP) EXISTING, REMOVE, AND REPLACE AS INDICATED</p> <p>(ERRP) EXISTING, REMOVE, RELOCATE AND REPLACE AS INDICATED</p> <p>(ERR) EXISTING, REMOVE AND RELOCATE</p> <p> SHEET NOTE TAG</p> <p> LIGHTING FIXTURE TAG</p> <p> DETAIL TAG - REFER TO DETAIL 1 ON SHEET E0.1</p> <p> CLOCK/SPEAKER BACK BOX UNDER ONE BAFFLE WITH A FLASH ENCLOSURE.</p> <p> WIRELESS ACCESS POINT WITH CAT 7 CABLE. # INDICATES THE NUMBER OF PORTS</p>																			
<p>TYPICAL DEVICE MOUNTING DETAIL</p> <p>NOT TO SCALE</p>		<p>APPLICABLE CODES</p> <p>2022 CALIFORNIA BUILDING CODE 2022 CALIFORNIA ELECTRICAL CODE 2022 CALIFORNIA ENERGY CODE</p> <table><tr><th colspan="2">SHEET INDEX</th></tr><tr><th>SHEET NO.</th><th>SHEET TITLE</th></tr><tr><td>E0.10</td><td>GENERAL NOTES AND SPECIFICATIONS</td></tr><tr><td>E1.10</td><td>SITE ELECTRICAL PLAN</td></tr><tr><td>E2.10</td><td>ENLARGED ELECTRICAL PLAN</td></tr><tr><td>E3.10</td><td>SINGLE LINE DIAGRAM</td></tr><tr><td>E4.10</td><td>LOW VOLTAGE RISER DIAGRAM</td></tr><tr><td>E5.10</td><td>ELECTRICAL DETAILS</td></tr><tr><td>E6.10</td><td>TITLE 24</td></tr></table>		SHEET INDEX		SHEET NO.	SHEET TITLE	E0.10	GENERAL NOTES AND SPECIFICATIONS	E1.10	SITE ELECTRICAL PLAN	E2.10	ENLARGED ELECTRICAL PLAN	E3.10	SINGLE LINE DIAGRAM	E4.10	LOW VOLTAGE RISER DIAGRAM	E5.10	ELECTRICAL DETAILS	E6.10	TITLE 24
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<p>DATE: 10/20/2025</p> <p>Revision Schedule</p> <table><tr><th>No.</th><th>Date</th><th>Description</th></tr><tr><td> </td><td> </td><td> </td></tr></table>		No.	Date	Description				<p>Project No: 25007</p> <p>Sheet Title: GENERAL NOTES AND SPECIFICATIONS</p> <p>Scale: As indicated</p> <p>Sheet No: E0.10</p>													
No.	Date	Description																			



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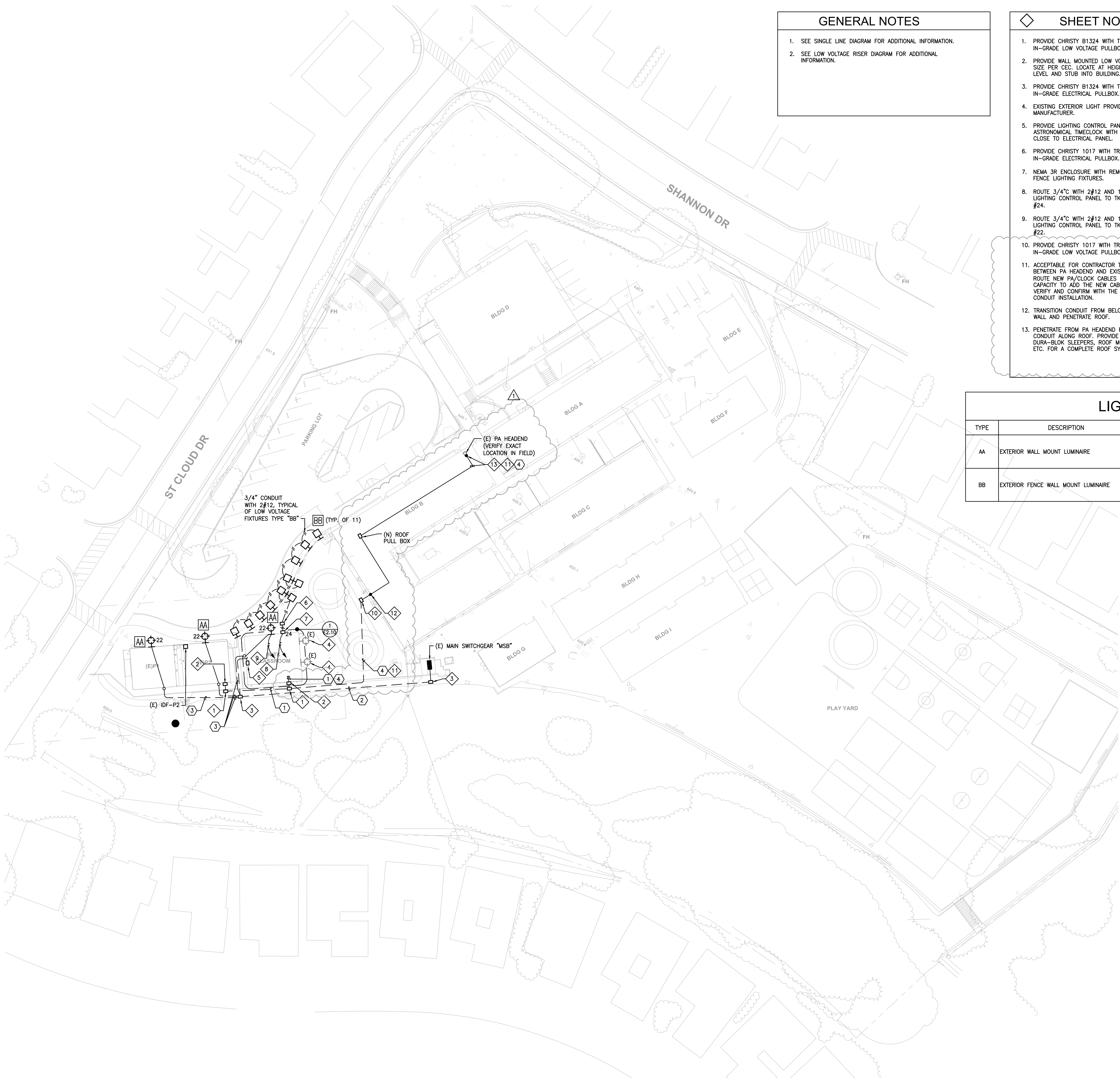


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2551 St Cloud Dr, San Bruno, CA 94066



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

GENERAL NOTES

- SEE SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
- SEE LOW VOLTAGE RISER DIAGRAM FOR ADDITIONAL INFORMATION.

SHEET NOTES

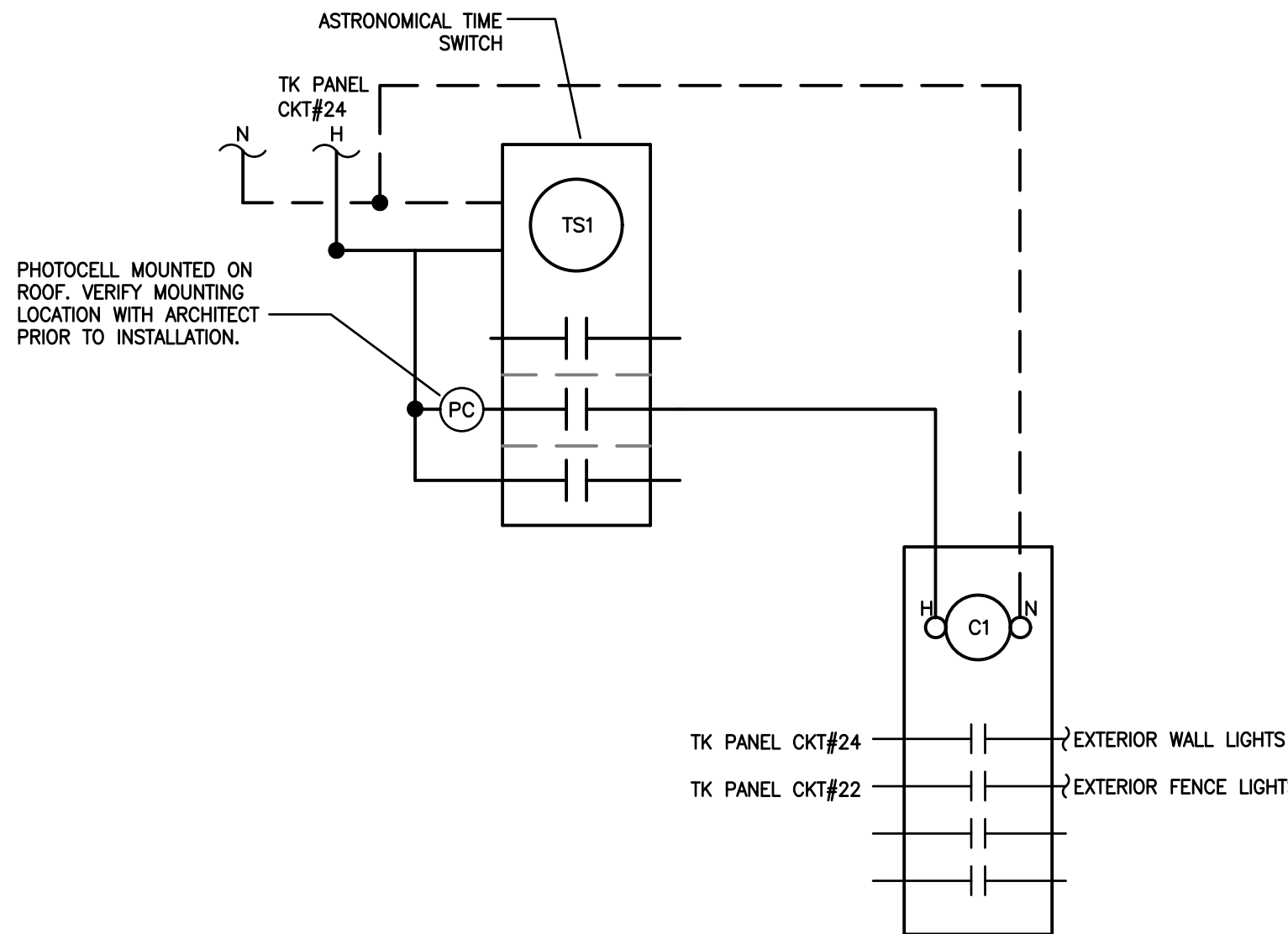
- PROVIDE CHRISTY B1324 WITH TRAFFIC RATED LID FOR IN-GRADE LOW VOLTAGE PULLBOX. LABEL LID "LOW VOLTAGE".
- PROVIDE WALL MOUNTED LOW VOLTAGE NEMA 3R PULL CAN. SIZE PER CEC. LOCATE AT HEIGHT ABOVE ACCESSIBLE CEILING LEVEL AND STUB INTO BUILDING.
- PROVIDE CHRISTY B1324 WITH TRAFFIC RATED LID FOR IN-GRADE ELECTRICAL PULLBOX. LABEL LID "ELECTRICAL".
- EXISTING EXTERIOR LIGHT PROVIDED BY MODULAR MANUFACTURER.
- PROVIDE LIGHTING CONTROL PANEL - INTERMATIC, ASTRONOMICAL TIMECLOCK WITH PHOTOCELL CONTROL. LOCATE CLOSE TO ELECTRICAL PANEL.
- PROVIDE CHRISTY 1017 WITH TRAFFIC RATED LID FOR IN-GRADE ELECTRICAL PULLBOX. LABEL LID "ELECTRICAL".
- NEMA 3R ENCLOSURE WITH REMOTE DRIVER FOR TYPE "BB" FENCE LIGHTING FIXTURES.
- ROUTE 3/4" WITH 2#12 AND 1#12 GROUND THROUGH LIGHTING CONTROL PANEL TO TK ELECTRICAL PANEL CIRCUIT #24.
- ROUTE 3/4" WITH 2#12 AND 1#12 GROUND THROUGH LIGHTING CONTROL PANEL TO TK ELECTRICAL PANEL CIRCUIT #22.
- PROVIDE CHRISTY 1017 WITH TRAFFIC RATED LID FOR IN-GRADE LOW VOLTAGE PULLBOX. LABEL LID "LOW VOLTAGE".
- ACCEPTABLE FOR CONTRACTOR TO UTILIZE EXISTING CONDUIT BETWEEN PA HEADEND AND EXISTING IDF-P1 LOCATION TO ROUTE NEW PA/CLOCK CABLES PROVIDED THERE IS SPARE CAPACITY TO ADD THE NEW CABLES. CONTRACTOR SHALL VERIFY AND CONFIRM WITH THE DISTRICT PRIOR TO NEW CONDUIT INSTALLATION.
- TRANSITION CONDUIT FROM BELOW GRADE ALONG EXTERIOR WALL AND PENETRATE ROOF.
- PENETRATE FROM PA HEADEND ROOM TO ABOVE ROOF. ROUTE CONDUIT ALONG ROOF. PROVIDE CONDUIT SUPPORT, DURA-BLOK SLEEPERS, ROOF MOUNTED NEMA 4 PULL CAN, ETC. FOR A COMPLETE ROOF SYSTEM.

SHEET NOTES

- NEW (2) 2" - DATA
- NEW (1) 1-1/2" - POWER
- NEW (1) 1" - LIGHTING
- NEW (1) 2" - PA/CLOCK

LIGHTING FIXTURES SCHEDULE

TYPE	DESCRIPTION	MFR/MODEL	LAMP	REMARKS
AA	EXTERIOR WALL MOUNT LUMINAIRE	INVUE LIGHTING - #CCW-VA2-730-U-T2-FINISH-WPSXX-B3/CCXX	41WATTS, 3000K	PROVIDE WITH MOTION CONTROL SENSOR TO REDUCE LIGHTING BY 50% WHEN UNOCCUPIED PER TITLE 24 REQUIREMENTS.
BB	EXTERIOR FENCE WALL MOUNT LUMINAIRE	KLIK USA LIGHTING - LPMISTK028-REC-30K-A-2.0W-FLD-FLT-FINISH-REMOTE DRIVER	2WATTS, 3000K	PROVIDE 40WATT REMOTE BATTERY. PROVIDE EXTERIOR NEMA 3R ENCLOSURE ACCESSORY FOR REMOTE DRIVER

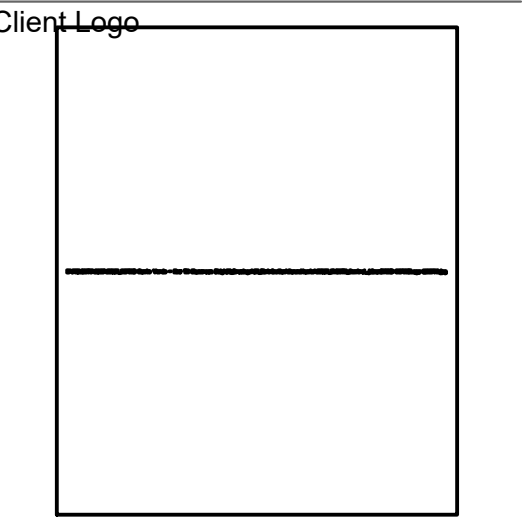


2 LIGHTING CONTROL PANEL
N.T.S.

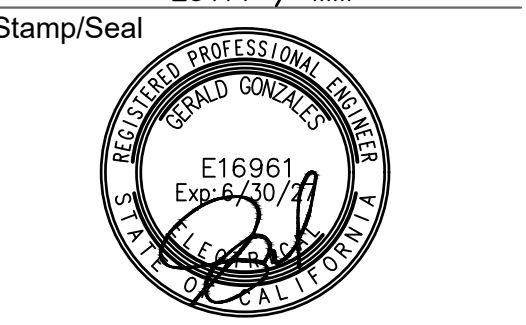


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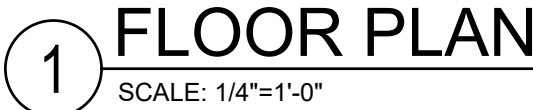
Date: 10/20/2025
Revision Schedule
No. Date Description
1 02/25/2026 DSA Addendum 01

Project No: 25007
Sheet Title:

SITE
ELECTRICAL
PLAN

Scale: As indicated
Sheet No:

E1.10



- | SHEET NOTES | |
|-------------|-------------------------|
| 1. | NOT USED. |
| 2. | NEW (t) 1-1/2°C - POWER |



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E2.10



- ① NEW DATA OUTLET. SEE FLOOR PLAN FOR LOCATION AND QUANTITY.
- ② PROVIDE NEW CAT-6A CABLES BETWEEN NEW DATA OUTLETS AND NEW IDF. TERMINATE CABLES AT DATA OUTLET DEVICE AND IDF PATCH PANEL AS REQUIRED FOR A FULLY OPERATIONAL SYSTEM. SEE FLOOR PLANS FOR QUANTITY AND LOCATION OF CABLES.
- ③ NOT USED.
- ④ COORDINATE WITH DISTRICT IT REPRESENTATIVE AND PROVIDE ALL CONNECTIONS / PROGRAMMING AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
- ⑤ ALL OUTDOOR CABLES AND CONDUCTORS SHALL BE RATED FOR WET LOCATIONS.
- ⑥ NOT USED.
- ⑦ NOT USED.



- ① PROVIDE ALL PROGRAMMING REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM
- ② ALL OUTDOOR CABLES AND CONDUCTORS SHALL BE RATED FOR WET LOCATIONS.
- ③ NOT USED.
- ④ PROVIDE WIRING DIAGRAM AS PART OF SUBMITTAL PACKAGE.
- ⑤ PROVIDE NEW CLOCK/SPEAKER AND EXTERIOR SPEAKERS PER DISTRICT STANDARD.
- ⑥ FIELD VERIFY EXISTING CABLE IN ORDER TO MATCH EXISTING STANDARD. NOTIFY ARCHITECT AND OWNER IF FIELD VERIFICATION YIELDS DIFFERENT CONDITIONS THAN WHAT IS SHOWN IN DESIGN DOCUMENTS.

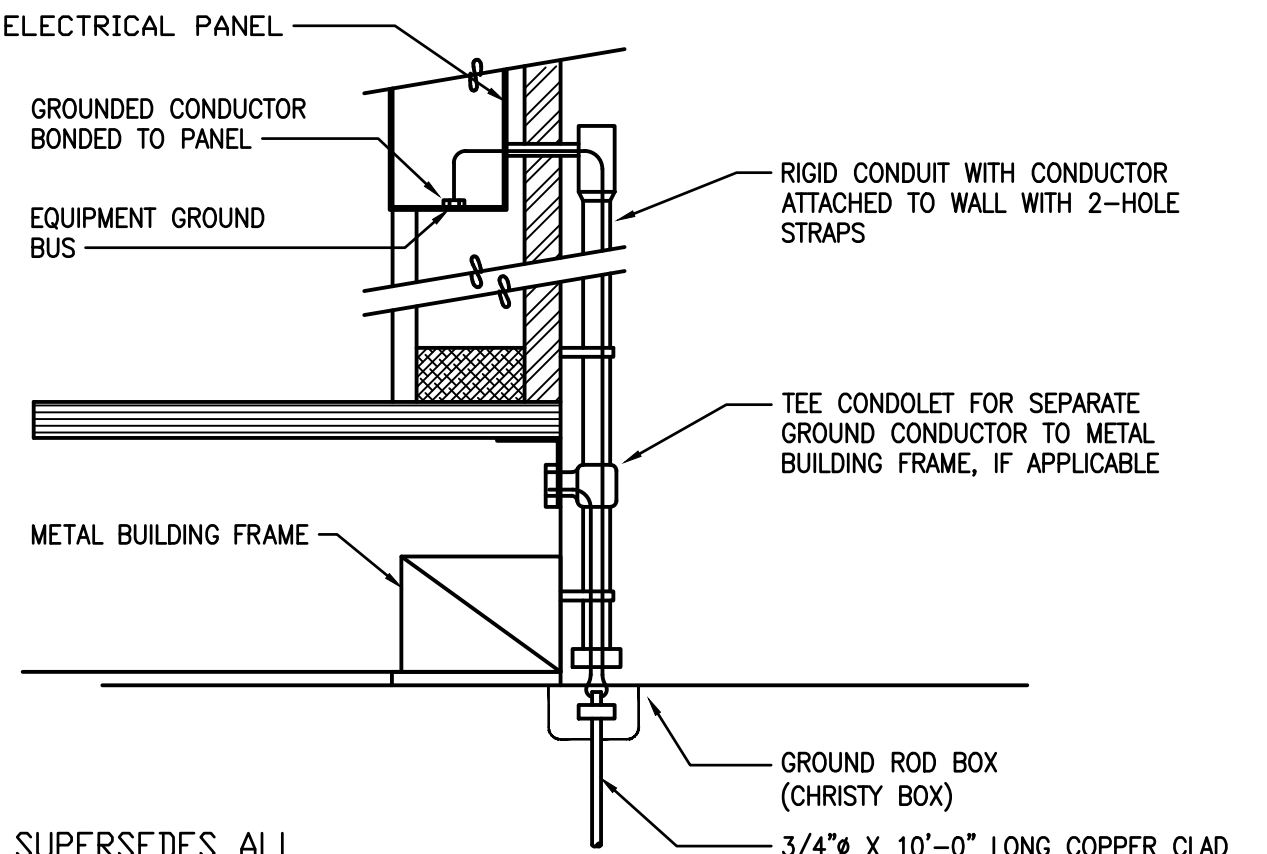


**MONTE VERDE ES TK
BUILDING**
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Project No:	25007
Sheet Title:	

Scale: As indicated

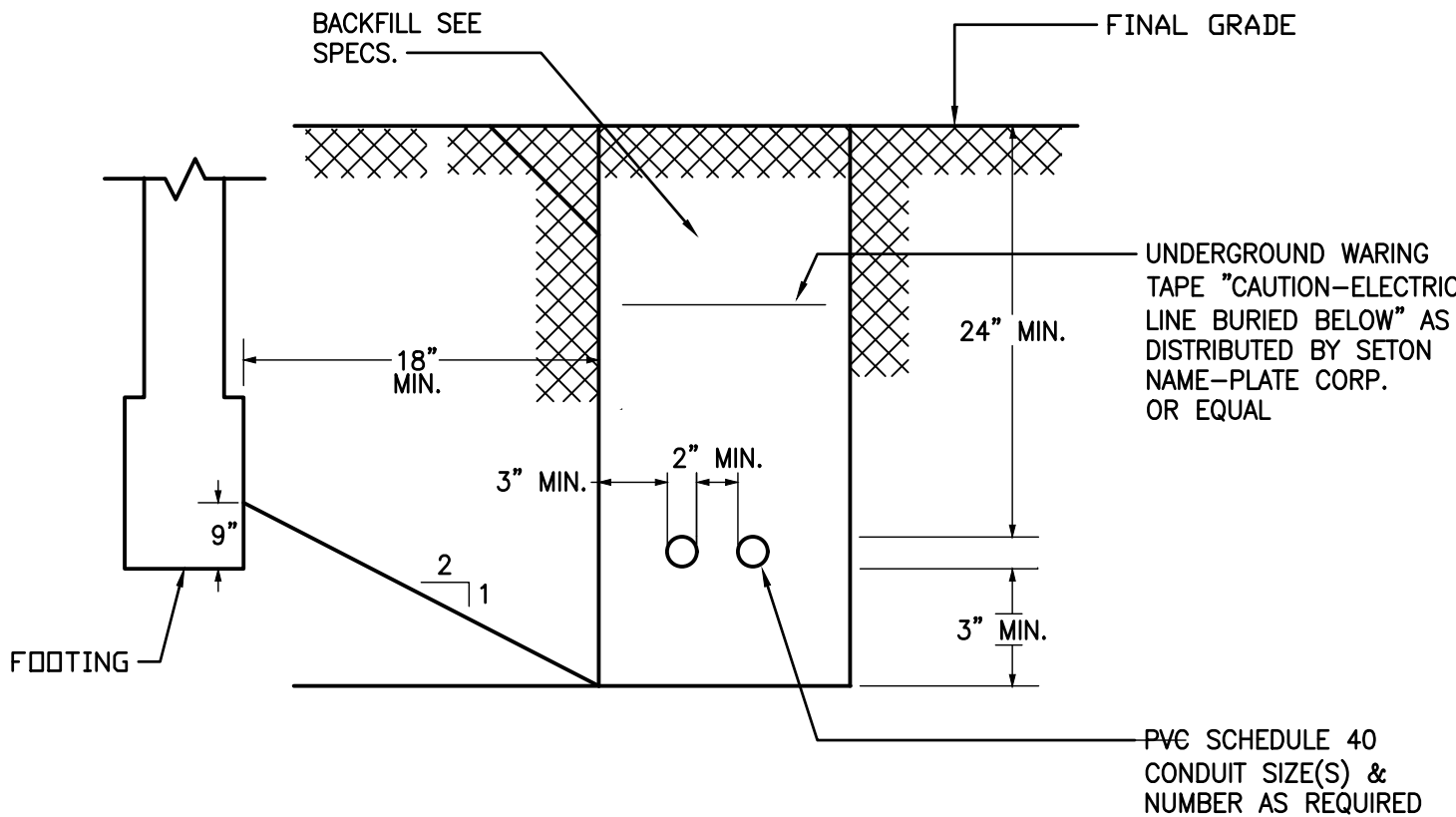
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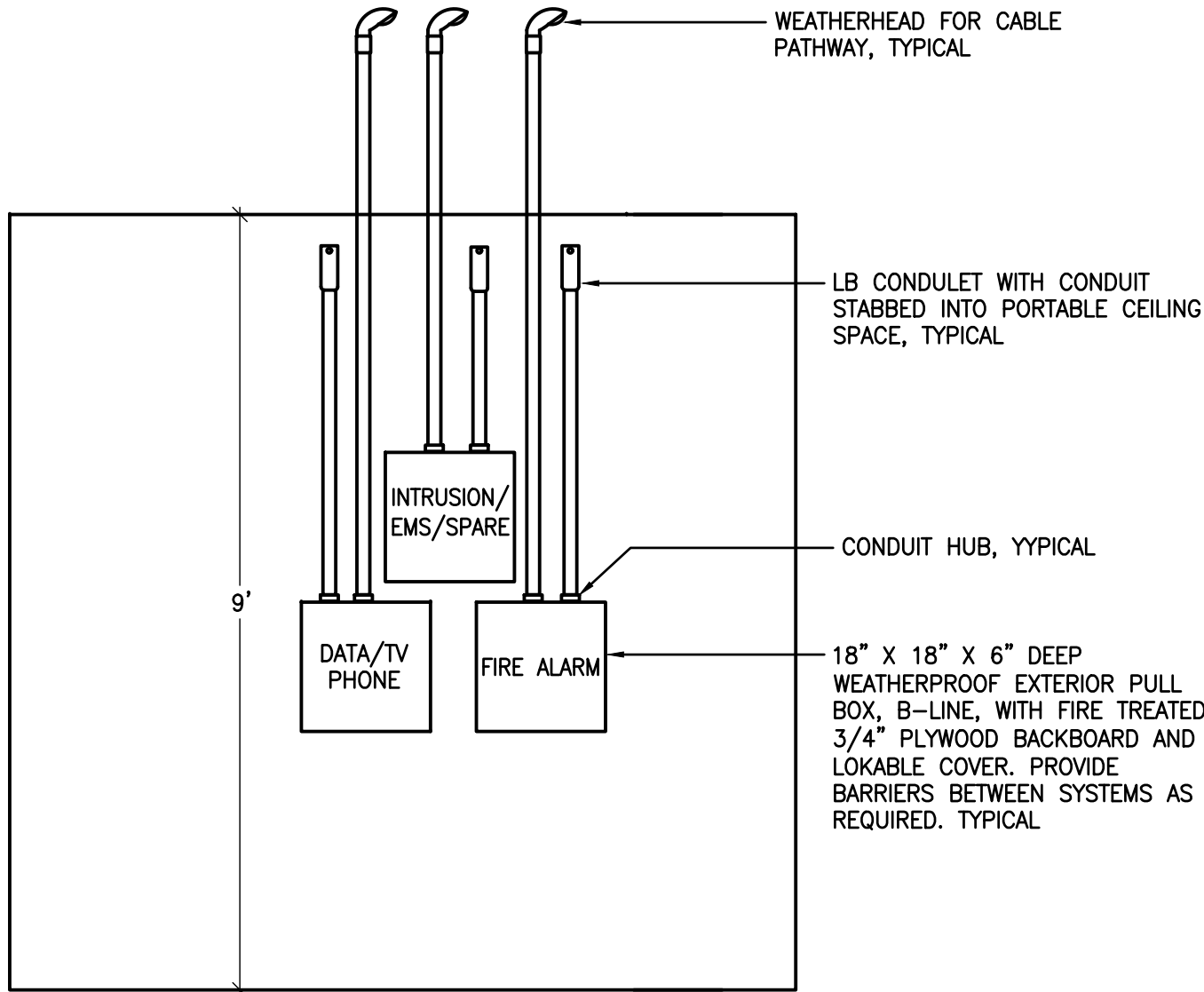
THIS DETAIL SUPERSEDES ALL RELOCATABLE MANUFACTURER'S GROUNDING DETAILS WHERE MORE STRINGENT THAN THE MANUFACTURER'S DETAIL.

GROUND ROD BOX (CHRISTY BOX)
3/4" x 10'-0" LONG COPPER CLAD GROUND ROD OR OTHER ELECTRODE AS SPECIFIED IN NATIONAL ELECTRICAL CODE (N.E.C. 250-53)

1 TYPICAL MODULAR CLASSROOM GROUNDING DETAIL
NOT TO SCALE



2 TRENCH SECTION
NOT TO SCALE



3 TYPICAL 'STC' PULLBOX ELEVATION DETAIL
SCALE: NONE

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Date:	10/20/2025	
Revision Schedule		
No.	Date	Description

Project No: 25007
Sheet Title:

ELECTRICAL
DETAILS

Scale: As indicated
Sheet No:

E5.10

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Monte Verde ES TK

Report Page: (Page 1 of 7)

Project Address: 2551 St Cloud Dr

Date Prepared: 12/16/2025

A. GENERAL INFORMATION

01 Project Location (city)

San Bruno

04 Total Illuminated Hardscape Area (ft²)

12400

02 Climate Zone

3

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

☐ LZ-0: Very Low - Undeveloped Parkland

☒ LZ-2: Moderate - Urban Clusters

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

☐ LZ-1: Low - Rural Areas

☐ LZ-3: Moderately High - Urban Areas

05 Occupancy Types within Project

• All Other Occupancies

B. PROJECT SCOPE

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

My Project Consists of:

01

02

☒ New Lighting System

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

☐ Altered Lighting System

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

☒ Yes

☐ No

03

04

05

% of Existing Luminaires Being Altered¹

Sum Total of Luminaires Being Added or Altered

Calculation Method

☐ < 10%

☐ >= 10% and < 50%

☐ >= 50%

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

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

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Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Schema Version: rev 20220101

Compliance ID: EnergyPro-4903-1225-5102

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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Monte Verde ES TK

Report Page: (Page 4 of 7)

Project Address: 2551 St Cloud Dr

Date Prepared: 12/16/2025

H. OUTDOOR LIGHTING CONTROLS

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

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

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

01

02

03

04

05

Area Description

Shut-Off 130.2(c)(1) / 160.5(c)

Auto-Schedule 130.2(c)(2) / 160.5(c)

Motion Sensor 130.2(c)(3) / 160.5(c)

Field Inspector

EXTERIOR

Photocontrol

Provided

Provided

Pass

Fail

¹ FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.

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

³ Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from II and III.

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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Schema Version: rev 20220101

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Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Monte Verde ES TK

Report Page: (Page 7 of 7)

Project Address: 2551 St Cloud Dr

Date Prepared: 12/16/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

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Belden Consulting Engineers

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Belden Consulting Engineers

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City/State/Zip:

Pleasanton CA 94588

Documentation Author Signature:

Signature Date:

2025-12-16

CEA/ HERS Certification Identification (if applicable):

Phone:

925-621-5300

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

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

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

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

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

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

Responsible Designer Name:

GERALD GONZALES

Company:

BELDEN CONSULTING ENGINEERS

Address:

4457 WILLOW RD, STE 100

City/State/Zip:

PLEASANTON CA 94588

Responsible Designer Signature:

Date Signed:

2025-12-16

License:

E16961

Phone:

925-621-5300

Generated Date/Time:

Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Schema Version: rev 20220101

Compliance ID: EnergyPro-4903-1225-5102

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STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Monte Verde ES TK

Report Page: (Page 2 of 7)

Project Address: 2551 St Cloud Dr

Date Prepared: 12/16/2025

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 / 170.2(e)(6) or 141.0(b)(2) / 180.2(b)(4)(b)

01

02

03

04

05

06

07

08

09

General Hardscape Allowance 140.7(d)(1) / 170.2(e)(6) (See Table I)

+

Per Application 140.7(d)(2) / 170.2(e)(6) (See Table J)

+

Sales Frontage 140.7(d)(2) (See Table K)

+

Ornamental 140.7(d)(2) / 170.2(e)(6) (See Table L)

+

Per Specific Area 140.7(d)(2) / 170.2(e)(6) (See Table M)

OR

Existing Power Allowance 141.0(b)(2) / 180.2(b)(4)(b) (See Table N)

=

Total Allowed (Watts)

≥

Total Actual (Watts)

07 must be >= 08

436

436

≥

145

COMPLIES

Shielding Compliance (See Table G for Details)

N/A

Controls Compliance (See Table H for Details)

COMPLIES

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

Generated Date/Time:

Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Schema Version: rev 20220101

Compliance ID: EnergyPro-4903-1225-5102

Report Generated: 2025-12-16 15:39:13

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Monte Verde ES TK

Report Page: (Page 5 of 7)

Project Address: 2551 St Cloud Dr

Date Prepared: 12/16/2025

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

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

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

01

02

03

04

05

06

07

08

09

General Hardscape Allowance Table I (below)

☒ General Hardscape Allowance Table I (below)

☐ Per Application Table J

☐ Sales Frontage Table K

☐ Ornamental Table L

☐ Per Specific Area Table M

Area Description

Illuminated Area (ft²)

Allowed Density (W/ft²)

Area Allowance (Watts)

Perimeter Length (lf)

Allowed Density (W/lf)

Linear Allowance (Watts)

Total General AWA + LWA (Watts)

Pedestrian Hardscape

12400

0.019

235.6

0

0.2

0

236

Initial Wattage Allowance for Entire Site (Watts):

200

Instances of Initial Wattage Allowance (LZ 0 only)¹

0

Total General Hardscape Allowance (Watts):

436

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

Generated Date/Time:

Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Schema Version: rev 20220101

Compliance ID: EnergyPro-4903-1225-5102

Report Generated: 2025-12-16 15:39:13

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Monte Verde ES TK

Report Page: (Page 3 of 7)

Project Address: 2551 St Cloud Dr

Date Prepared: 12/16/2025

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

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

Designed Wattage:

01

02

03

04

05

06

07

08

09

10

Name or Item Tag

Complete Luminaire Description

Watts per luminaire¹,²

How is Wattage determined

Total Number Luminaires²

Luminaire Status³

Excluded per 140.7(a) / 170.2(e)(6A)

Design Watts

Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)(1)⁴

Field Inspector

AA

AA - 41W LED

☐ Linear

41

Mfr. Spec

3

New

☐

123

NA: < 6200 lumens

☐

Pass

Fail

BB

BB - 2W LED

☐ Linear

2

Mfr. Spec

11

New

☐

22

NA: < 6200 lumens

☐

Pass

Fail

Total Design Watts:

145

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

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

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

Generated Date/Time:

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Schema Version: rev 20220101

Compliance ID: EnergyPro-4903-1225-5102

Report Generated: 2025-12-16 15:39:13

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

NRCC-LTO-E

Project Name: Monte Verde ES TK

Report Page: (Page 6 of 7)

Project Address: 2551 St Cloud Dr

Date Prepared: 12/16/2025

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

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

Form/Title

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

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

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

Form/Title

Systems/Spaces To Be Field Verified

NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 200 luminaires.

EXTERIOR;

Generated Date/Time:

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Schema Version: rev 20220101

Compliance ID: EnergyPro-4903-1225-5102

Report Generated: 2025-12-16 15:39:13

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122742 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 02/17/2026

SIM
ARCHITECTS

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Lafayette, CA 94549
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Client Logo

EDUCATION FOR ALL

Consultant Logo

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Stamp/Seal

E16961
EXPIRES 12/31/2027
STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER
CIVIL

MONTE VERDE ES TK
BUILDING
2551 St Cloud Dr, San Bruno, CA 94066

Date: 10/20/2025
Revision Schedule
No. Date Description

Project No: 25007
Sheet Title:

TITLE 24

Scale: As indicated
Sheet No:

E6.10

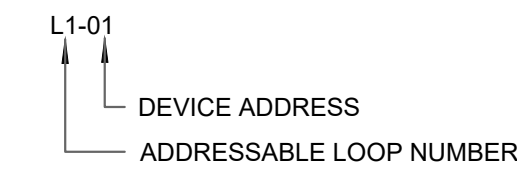
SCOPE OF WORK	FIRE ALARM SYSTEM NOTES
1. NEW TK BUILDING IS BEING INSTALLED. EXISTING SIEMENS MXL-IQ PANEL IS BEING UPGRADED WITH NEW SIEMENS DESIGO FIRE ALARM VOICE EVACUATION PANEL. NEW INITIATING DEVICES (SMOKES, ATTIC HEATS, ETC.) AND NOTIFICATION DEVICES (SPEAKERS, STROBES, ETC.) AND WIRING TO BE PROVIDED FOR THE NEW TK CLASSROOM BUILDING.	1. FINAL FIRE ALARM TEST SHALL BE MADE WITH THE DSA PROJECT INSPECTOR (PI). LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF DATE AND TIME OF FINAL FIRE ALARM TESTING AND SHALL ASSIST/WITNESS SUCH TESTING WHEN ABLE. 2. UNDERGROUND AND EXTERIOR CONDUITS WILL HAVE WATER-TIGHT FITTINGS. (CEC 110-11 AND 300-6) 3. FIRE ALARM DEVICE MOUNTING HEIGHTS: · PULL STATION: 48" TO TOP OF HANDLE ABOVE FINISHED FLOOR, (CEC 380-8C) · HORN INTERIOR: MINIMUM 90" TO TOP OF DEVICE ABOVE FINISHED FLOOR, NOT LESS THAN 6" FROM CEILING. (2022 NFPA72-18.4.8.1) · WALL MOUNTED STROBE OR HORN/STROBE: MINIMUM 80" TO BOTTOM OF STROBE LENS AND NOT GREATER THAN 96" TO TOP OF STROBE LENS, ABOVE FINISHED FLOOR, NOT LESS THAN 6" FROM CEILING. (2022 NFPA72-18.5.5.1) 4. TO ENSURE THAT AUDIBLE PUBLIC MODE SIGNALS ARE CLEARLY HEARD, UNLESS OTHERWISE PERMITTED BY 2022 NFPA72-18.4.3.2 THROUGH 18.4.3.5, THEY SHALL HAVE A SOUND LEVEL AT LEAST 15db ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5db ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, MEASURED 5 FT (1.5M) ABOVE THE FLOOR IN THE AREA REQUIRED TO BE SERVED BY THE SYSTEM USING THE A-WEIGHTED SCALE (dBA). 5. AUDIBLE DEVICES SHALL SOUND THE CALIFORNIA UNIFORM FIRE ALARM SIGNAL IN TEMPORAL MODE. 6. VISUAL DEVICES SHALL NOT EXCEED 2 FLASHES PER SECOND AND SHALL NOT BE SLOWER THAN 1 FLASH EVERY SECOND. (2022 NFPA72-18.5.3.1) 7. FIRE ALARM CONTRACTOR SHALL PROVIDE A "RECORD OF COMPLETION" TO THE PROJECT INSPECTOR (PI) / DSA AFTER COMPLETION OF OPERATION ACCEPTANCE TESTS. (2022 NFPA 72-14.6.2.4 AND FIGURE 14.6.2.4) 8. ALL CIRCUITS SHALL BE SUPERVISED AGAINST OPENS, SHORTS AND GROUNDS. 9. INSTALLATION OF DEVICES SHALL BE IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS. 10. MARK ALL WIRES IN ACCORDANCE WITH 760-10. 11. ALL OUTSIDE FIRE ALARM DEVICES SHALL BE CSFM LISTED AS WEATHER PROOF TYPE. 12. EXISTING CAMPUS FIRE ALARM SYSTEM SHALL NOT BE DISCONNECTED OR TAKEN OUT OF SERVICE WITHOUT WRITTEN PERMISSION FROM SCHOOL DISTRICT. 48 HOUR NOTICE SHALL BE PROVIDED TO LOCAL FIRE AUTHORITY PRIOR TO FIRE ALARM SYSTEM SHUTDOWN. 13. ALL FIRE ALARM WIRING SHALL BE CONTINUOUS WITHOUT SPICES AND TERMINATED IN TERMINAL BLOCKS OF THE DEVICE OR FIRE ALARM APPROVED TERMINAL BLOCKS IN TERMINAL CABINETS OR JUNCTION BOXES. 14. ALL FIRE ALARM WIRING INSTALLED IN UNDERGROUND CONDUIT OR OTHER WET LOCATIONS SHALL BE UL LISTED FOR WET LOCATIONS. 15. ALL WIRING TO BE RUN IN FIRE ALARM DEDICATED CONDUIT IN EXPOSED AREAS. ALL NEW FA WIRING SHALL BE INSTALLED IN CONDUIT MINIMUM SIZE 3/4" O.U.N. USE EXISTING FIRE ALARM CONDUITS WHERE PRACTICAL TO INSTALL A NEW FA WIRING. FIELD VERIFY EXACT EXISTING CONDUIT ROUTING IN ACCESSIBLE CEILINGS. FIRE POWER LIMITED PLENUM CABLE SUPPORTED BY J-HOOKS AND/OR D-RINGS IS ALLOWED. 16. ALL SHIELDS TO BE CONTINUOUS, DRY AND FREE FROM ALL GROUNDS AND SHORTS. 17. ELECTRICAL/FIRE ALARM CONTRACTOR SHALL VERIFY EXISTING AVAILABLE ADDRESSES ON EXISTING SYSTEM AND CORRECT ON AS-BUILT DRAWINGS FOR SUBMITTAL TO SCHOOL DISTRICT AT END OF PROJECT. 18. THIS CAMPUS HAS AN EXISTING UL LISTED CENTRAL MONITORING STATION: SUPERVISING STATION: AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA72, AS AMENDED BY GFC CHAPTER 60. THE SUPERVISION STATION SHALL BE LISTED AS EITHER UUF-C OR UUIS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. 19. A DOCUMENTATION CABINET SHALL BE INSTALLED PROXIMAL TO THE FACP PER 2022 NFPA 72, 7.7.2.1. 20. ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENTATION CABINET PER 2022 NFPA 72, 7.7.2.3. 21. THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED <u>SYSTEM RECORD DOCUMENTS</u> PER NFPA72, 7.7.2.5. 22. NFPA 72 2022 CODE SECTION 14.4.2 REACCEPTANCE TESTING REQUIREMENT. "10 PERCENT OR A MAXIMUM OF 50 DEVICES ALREADY INSTALLED." 23. UPON COMPLETION AND ACCEPTANCE OF THE PROJECT, A REPRODUCIBLE "AS-BUILT" SET OF DRAWINGS OF THE ENTIRE FIRE ALARM SYSTEM OR THE AREAS WORKED UPON SHALL BE PROVIDED TO THE OWNER OR THE OWNER'S REPRESENTATIVE.
TYPE OF SYSTEM	1. CLASS 'B' INITIATING 2. SYSTEM IS A PROTECTED PREMISIS AND REQUIRES 24 HOUR STAND-BY. 3. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUF-C OR INITIATING 4. DEVICES FOR AREA OF WORK SHALL BE AUTOMATIC TYPE AS REQUIRED BY FIRE PROTECTION ACT (SB575) GREEN OAKS FAMILY ACADEMY MIDDLE SCHOOL. 5. BUILDINGS ARE TYPE 'E' OCCUPANCY. 6. SYSTEM DESIGNER: GERALD GONZALES, BELDEN CONSULTING ENGINEERS
APPLICABLE CODES	1. CBC 2022; CEC 2022, CMC 2022 2. TITLE 19 PUBLIC SAFETY - CALIFORNIA STATE FIRE MARSHAL REQUIREMENTS 3. NFPA 72 (NATIONAL FIRE ALARM CODE) 2022 EDITION WITH CALIFORNIA AMENDMENTS
FIRE ALARM SYMBOLS	<div><div><div>⊙</div><div>WALL MOUNTED JUNCTION OR OUTLET BOX WITH BLANK COVER, FLUSH, HEIGHT AS INDICATED.</div></div><div><div>⊙H</div><div>JUNCTION OR OUTLET BOX - MOUNT ABOVE CEILING WITH BLANK COVER. (F= FLUSH IN FINISHED CEILING)</div></div><div><div><div>—</div><div>BRANCH CIRCUIT WIRING IN CONDUIT CONCEALED IN CEILING SPACE OR WALL</div></div><div><div>- - - - -</div><div>BRANCH CIRCUIT WIRING IN CONDUIT CONCEALED UNDER FLOOR OR UNDERGROUND.</div></div><div><div>→</div><div>BRANCH CIRCUIT HOMERUN TO PANEL. (FOR MECHANICAL EQUIPMENT SEE "MECHANICAL EQUIPMENT SCHEDULE")</div></div><div><div>~~~~~</div><div>FLEXIBLE CONDUIT</div></div><div><div>—○</div><div>CONDUIT UP</div></div><div><div>—●</div><div>CONDUIT DOWN</div></div><div><div>—┐</div><div>CONDUIT STUBBED OUT IN ACCESSIBLE LOCATION, CAP AND MARK LOCATION.</div></div><div><div>◇</div><div>GENERAL SHEET NOTES</div></div><div><div>⬡</div><div>MECHANICAL UNIT TAG. SEE MECHANICAL EQUIPMENT SCHEDULE.</div></div><div><div>⊙E0.1</div><div>DETAIL TAG.</div></div><div><div>(E)</div><div>EXISTING TO REMAIN</div></div><div><div>(N)</div><div>NEW</div></div><div><div>FACP</div><div>FIRE ALARM CONTROL PANEL</div></div><div><div>RPS</div><div>REMOTE POWER SUPPLY</div></div><div><div>NTS</div><div>NOT TO SCALE</div></div><div><div>WP</div><div>WEATHERPROOF</div></div></div></div>

FIRE ALARM CABLE SCHEDULE					
CABLE DESIGNATION	DESCRIPTION	MANUFACTURER & CATALOG #	OUTER JACKET COLOR	SYSTEM	USE
A	1 PR, #16 AWG SOLID UNSHIELDED FPL	CORNING WEST PENN #D990 OR EQUIVALENT	RED	FIRE ALARM	ADDRESSABLE SLC LOOP CABLE-INTERIOR
AS	1 PR, #16 AWG STRANDED UNSHIELDED AQUASEAL FPL	WEST PENN #AQC225	BLACK	FIRE ALARM	SITE ADDRESSABLE SLC LOOP CABLE- EXTERIOR/OUTDOOR
B	1 PR, #14 AWG SOLID SHIELDED, FPLP	WEST PENN #609928	RED	FIRE ALARM	AUDIBLE (SPEAKER) NOTIFICATION APPLIANCE CIRCUIT-INTERIOR
BS	1 PR, #14 AWG SOLID SHIELDED, FPL	WEST PENN #AQC295	BLACK	FIRE ALARM	AUDIBLE (SPEAKER) NOTIFICATION APPLIANCE CIRCUIT-EXTERIOR/OUTDOOR
C	1 PR, #12 SOLID UNSHIELDED FPLP	WEST PENN #609968	RED	FIRE ALARM	VISUAL (STROBE) NOTIFICATION APPLIANCE CIRCUIT-INTERIOR
CS	1 PR, #12 STRANDED UNSHIELDED FPL	WEST PENN #AQ227	BLACK	FIRE ALARM	VISUAL (STROBE) NOTIFICATION APPLIANCE CIRCUIT-EXTERIOR/OUTDOOR

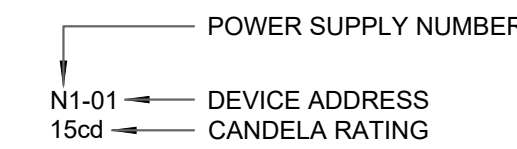
SHEET INDEX	
SHEET NO.	SHEET TITLE
FA0.10	GENERAL NOTES AND SPECIFICATIONS
FA1.10	SITE FIRE ALARM PLAN
FA2.10	ENLARGED FIRE ALARM PLAN
FA3.10	FIRE ALARM RISER DIAGRAM
FA4.10	FIRE ALARM BATTERY CALCULATIONS
FA5.10	FIRE ALARM DETAILS

FIRE ALARM SYMBOLS EQUIPMENT LEGEND	
SYMBOL	DESCRIPTION
'FACP' ⬡	FIRE ALARM CONTROL PANEL "FACP": SIEMENS #DESIGO DESIGO MODULAR KIT: SIEMENS #D-MOD-250-ZIC8B-EP CABINET: SIEMENS #CAD3-BB, #CAB3-BD-OD-LP BATTERY CABINET: SIEMENS CAB-BATT DIALER MODULE (DACT): SIEMENS #FCA2015-U1 LED MODULE: SIEMENS #LCM-8 INNER DOORLED MODULE MOUNT: SIEMENS #ID-MP LOCAL PAGE BOARD: SIEMENS #LPB LIVE VOICE MASTER MICROPHONE: SIEMENS #LVM CARD CAGE: SIEMENS #CC-5 MODULAR VOICE CONTROL CARD: SIEMENS #XVCC (8) NAC ZONES: SIEMENS #ZIC-8B MXL LINE CARD: SIEMENS #MLC C.S.F.M.#7165-0067-0508 12V-55AH BATTERIES: (2) POWER SONIC #PW-PS12550 C.S.F.M.#N/A UNIVERSAL FACU COMMUNICATOR: STAR LINK FIRE #SLE-MAX2-CFBPS C.S.F.M.#7300-0992-0503
'FA-DOC' ⬡	DOCUMENTS CABINET: SPACE AGE ELECTRONICS #SSU00625 (DSB ACE-12) C.S.F.M.#7300-0553-0110
⊙	ADDRESSABLE SMOKE DETECTOR: SIEMENS #FD0421 INTELLIGENT BASE: SIEMENS #DB-11 C.S.F.M.#7272-0067-0258 / BASE C.S.F.M.#7300-0067-0134
A ⊙	ADDRESSABLE HIGH HEAT DETECTOR FIXED 175" (ATTIC): SIEMENS #FDT421 INTELLIGENT BASE: SIEMENS #DB-11 CSFM #7270-0067-0292 / BASE C.S.F.M.#7300-0067-0134
⊙H	WALL MOUNTED SPEAKER-STROBE (MULTI CANDELA): SIEMENS #SC-SS-WW-F CSFM #7320-0067-0521
⊙H	WALL MOUNTED STROBE (MULTI CANDELA): SIEMENS #SC-SP-WW-F CSFM #7320-0067-0521
⊙	WEATHERPROOF SPEAKER: SIEMENS #SL24XSP-NW CSFM #7320-0067-0526

ADDRESSABLE DEVICE LABEL

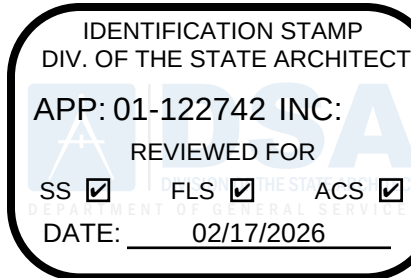


NOTIFICATION APPLIANCE LABEL



FIRE ALARM SYSTEM MATRIX

SYSTEM INPUTS		SYSTEM OUTPUTS															
		CONTROL UNIT ANNUNCIATOR				NOTIFICATION				REQUIRED FIRE SAFETY CONTROL				SUPPLEMENTARY			
1	MANUAL FIRE ALARM BOXES	ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE AUDIBLE ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE SUPERVISORY SIGNAL INDICATOR	ACTUATE AUDIBLE TROUBLE SIGNAL	ACTUATE TROUBLE SIGNAL ALARM INDICATOR	ACTUATE EVACUATION SIGNAL	DISPLAY/PRINT CHARGE OF STATUS	TRANSMIT FIRE ALARM SUPERVISING STATION	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	RECALL ELEVATORS TO PRIMARY RECALL FLOOR				
2	SMOKE DETECTOR																
3	HEAT DETECTORS																
4	AREA OF REFUGE 2-WAY COMM. STATUS																
5	FIRE ALARM SYSTEM AC POWER FAILURE																
6	FIRE ALARM SYSTEM LOW BATTERY																
7	OPEN CIRCUIT																
8	GROUND FAULT																
9	NOTIFICATION APPLIANCE CIRCUIT SHORT																
		A	B	C	D	E	F	G	H	I	J	K	L	M		N	



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belden@beldeninc.com
25177 / MM



MONTE VERDE ES TK BUILDING
2551 St Cloud Dr., San Bruno, CA 94066

Date: 10/20/2025
Revision Schedule
No. Date Description

Project No: 25007
Sheet Title:

GENERAL NOTES AND SPECIFICATIONS

Scale: As indicated
Sheet No:

FA0.10



1. SEE FIRE ALARM RISER DIAGRAM FOR ADDITIONAL INFORMATION.

1. PROVIDE CHRISTY B1017 WITH TRAFFIC RATED LID FOR IN-GRADE FIRE ALARM PULLBOX. LABEL LID "FIRE ALARM".
2. PROVIDE WALL MOUNTED FIRE ALARM NEMA 3R PULL CAN. SIZE 1/2" PER CEC. LOCATE AT HEIGHT ABOVE ACCESSIBLE CEILING LEVEL AND STUB INTO BUILDING.
3. TRANSITION CONDUIT ROUTING FROM ABOVE ROOF TO BELOW GRADE.
4. ROUTE CONDUIT ABOVE ROOF. PROVIDE SLEEPERS, PULL BOXES, ETC. REQUIRED FOR A FULLY FUNCTIONAL ROOF CONDUIT ROUTING SYSTEM.
5. PROVIDE ROOF MOUNTED FIRE ALARM NEMA 4 PULL CAN. SIZE 1/2" PER CEC.
6. TRANSITION CONDUIT FROM ABOVE ROOF TO INTERIOR OFFICE HOUSING THE FIRE ALARM CONTROL PANEL.
7. REPLACE EXISTING SIEMENS MXL-10 WITH UPGRADED SIEMENS DESIGN PANEL WHICH IS LOCATED IN BUILDING "B" RECEPTION ROOM. RECONNECT ALL EXISTING DEVICES FOR FULLY FUNCTIONAL SYSTEM.
8. SIEMENS DESIGN PANEL TO HAVE BUILT IN MICROPHONE.

1. NEW (1) 2"C - FIRE ALARM



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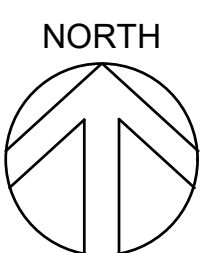
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FA1.10





**MONTE VERDE ES TK
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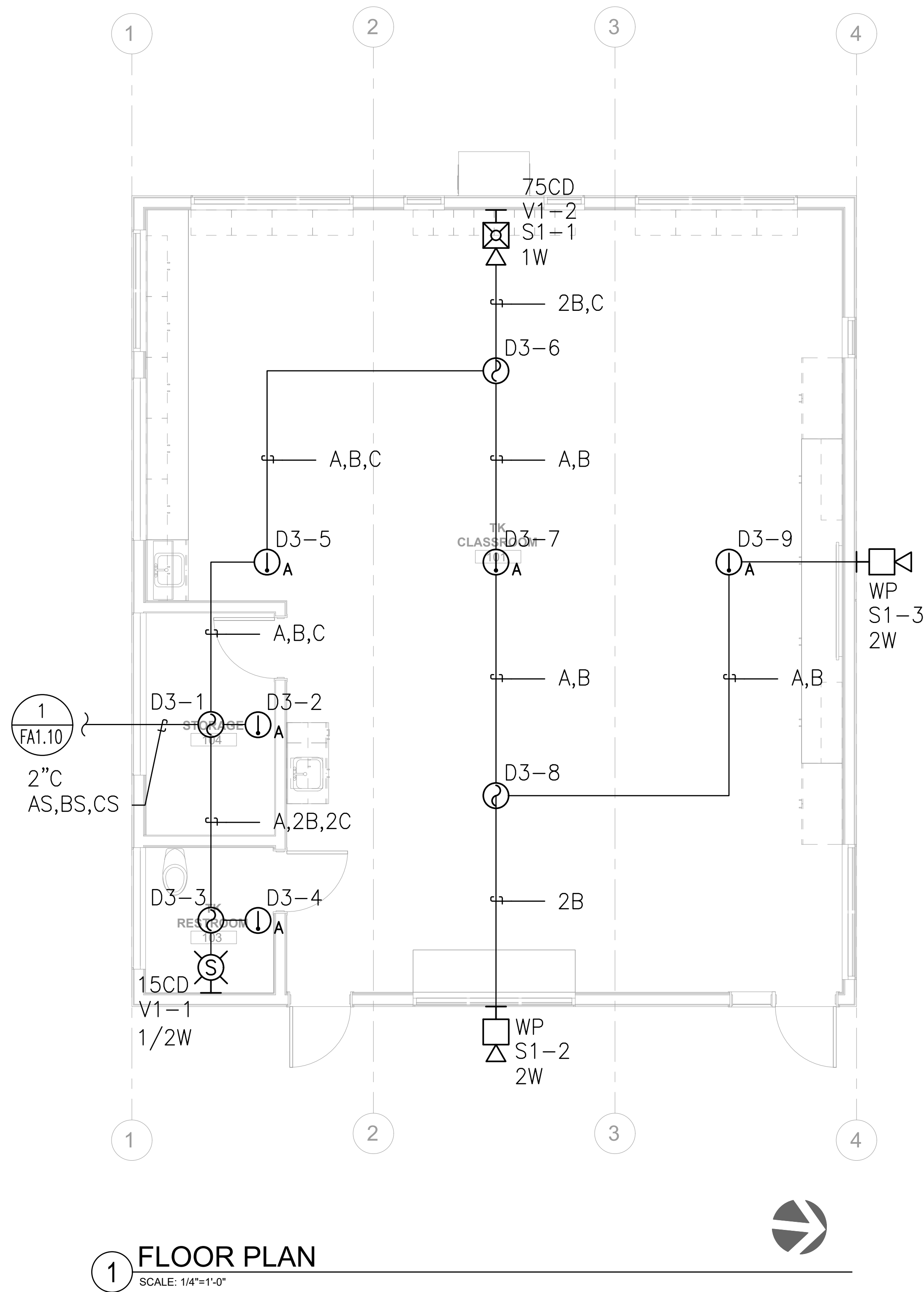
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No.	Date	Description

Project No: 25007
Sheet Title:

ENLARGED
FIRE ALARM
PLAN

Scale: As indicated
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FA2.10





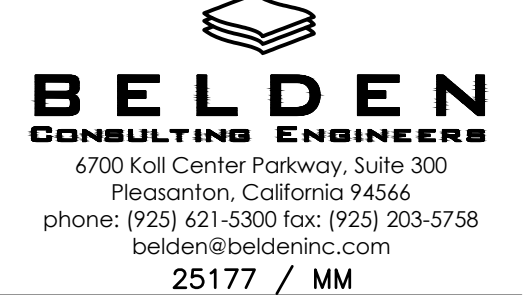
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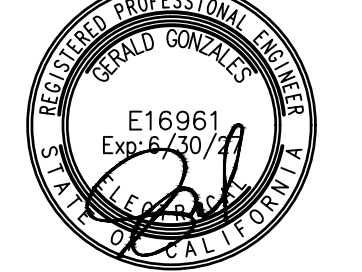
Client Logos



Consultant Logo



Stamp/Sea



**MONTE VERDE ES TK
BUILDING**
2551 St Cloud Dr, San Bruno, CA 94066

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No.	Date
	Description

Project No:	25007
Sheet Title:	

FIRE ALARM RISER DIAGRAM

Scale: As indicated

Sheet No:

FA3.10

NEW FIRE ALARM CONTROL PANEL BATTERY CALCULATIONS (SIEMENS #DESIGO FIRE SAFETY MODULAR SYSTEM)

QTY	DESCRIPTION	STANDBY		ALARM	
		EACH	TOTAL	EACH	TOTAL
1	CLASS X DEVICE LOOP CARD (#XDL-C)	0.000145	0.0001	0.000375	0.0004
1	OPERATOR INTERFACE (#FOM2041-U2)	0.000125	0.0001	0.075000	0.0750
1	ZONE INDICATING CARD (#ZIC-8B)	0.105000	0.1050	0.017000	0.0170
1	CARD CAGE (#CC-5)	0.000000	0.0000	0.000000	0.0000
1	POWER SUPPLY (#PSC-12)	0.150000	0.1500	0.075000	0.0750
1	MULTI POINT DIGITAL ALARM COMMUNICATION (#FCA2015-U1)	0.033500	0.0335	0.043500	0.0435
1	LOCAL PAGE BOARD (#LPB)	0.230000	0.2300	0.230000	0.2300
1	LIVE VOICE MASTER MICROPHONE (#LVM)	0.025000	0.0250	0.025000	0.0250
1	MODULAR SYSTEM VOICE CONTROL CARD (#MVCC)	0.220000	0.2200	0.220000	0.2200
1	MAX LINE CARD (MLC) (MAX 2 LOOPS 120 DEVICES TOTAL)	0.300000	0.3000	0.180000	0.1800
1	ZONE AMPLIFIER CARD (#ZAC-40)	0.150000	0.1500	0.150000	0.1500
	EXISTING STANDBY CURRENT		1.213770		
	EXISTING ALARM CURRENT				1.015875

QTY	DESCRIPTION	STANDBY		ALARM	
		EACH	TOTAL	EACH	TOTAL
4	SMOKE DETECTOR	0.0003	0.0010	0.0004	0.0016
5	HIGH HEAT DETECTOR	0.000250	0.0013	0.000410	0.0021
1	WALL MOUNT STROBE 15CD	0.000000	0.0000	0.024000	0.0240
1	WALL MOUNT SPEAKER STROBE 75CD (1W)	0.000000	0.0000	0.039000	0.0390
	NEW STANDBY CURRENT		0.002250		
	NEW ALARM CURRENT				0.066690

TOTAL SYSTEM CURRENT			
DESCRIPTION	STANDBY		ALARM
NEW LOAD PANEL	1.213770		1.015875
NEW LOAD FIELD DEVICES	0.002250		0.066690
TOTAL STANDBY CURRENT	1.216020		
X 24 HOUR STANDBY	29.184480		
TOTAL ALARM CURRENT			1.082565
15 MINUTES OF ALARM (X 25)			0.270641
TOTAL BATTERY REQUIREMENT			29.455121
TOTAL BATTERY WITH 25% SAFETY MARGIN			36.8189
NEW BATTERY SUPPLIED			(2) 55AH

VOLTAGE DROP (VD) CALCULATION

PROJECT NAME: MONTE VERDE ES TK
SIGNAL CIRCUIT #: V1

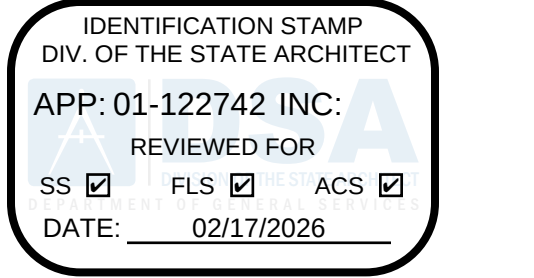
DEVICE #	1	2	3	4	5	6	7	8	9	10
GAUGE WIRE	12	12	12	12	12	12	12	12	12	12
DISTANCE (FT)	350	70	0	0	0	0	0	0	0	0
AMPS OF DEVICE	0.024	0.039	0	0	0	0	0	0	0	0
TOTAL AMPS@DEV.	0.063	0.039	0	0	0	0	0	0	0	0
VOLT. DROP @ DEV.	0.072937	0.00903	0	0	0	0	0	0	0	0

DEVICE #	11	12	13	14	15	16	17	18	19	20
GAUGE WIRE	12	12	12	12	12	12	12	12	12	12
DISTANCE (FT)	0	0	0	0	0	0	0	0	0	0
AMPS OF DEVICE	0	0	0	0	0	0	0	0	0	0
TOTAL AMPS@DEV.	0	0	0	0	0	0	0	0	0	0
VOLT. DROP @ DEV.	0	0	0	0	0	0	0	0	0	0

TOTAL CKT. AMPS	0.063 AMPS	WIRE SIZE	RESIS. /M.FT.	CIRC. MILS.	
		10	1.24	10380	
TOTAL CKT V DROP =	0.082 VDC	12	1.59	6530	** FORMULA **
		14	2.52	4110	
CKT VOLTAGE =	20.4	16	4.02	2580	I * FEET * 21.6
		18	6.39	1620	
% VOLTAGE DROP=	0.4%	20	10.1	1020	C.M.

MONTEVERDE ES - TK CLASSROOM BUILDING - SPEAKER CIRCUIT SCHEDULE

SPEAKER CIRCUIT LOAD CALCULATION									
SPEAKER CIRCUIT DESCRIPTION	PANEL CIRCUIT NUMBER	WIRE GAUGE (18, 16, 14, 12)	CIRCUIT VOLTAGE (25 OR 70 VRMS)	SPEAKER TAPPED AT 0.25 WATTS	SPEAKER TAPPED AT 0.5 WATTS	SPEAKER TAPPED AT 1 WATT	SPEAKER TAPPED AT 2 WATT	SPEAKER TAPPED AT 4 WATT	TOTAL CIRCUIT LOAD (WATTS)
TK CLASSROOM SPEAKER CKT. S1	CKT#1	16	25 vrms	0	1	1	2	0	4WATTS
APPLIANCE SUMMARY									TOTAL LOAD (WATTS)
				0	1	1	2	0	4



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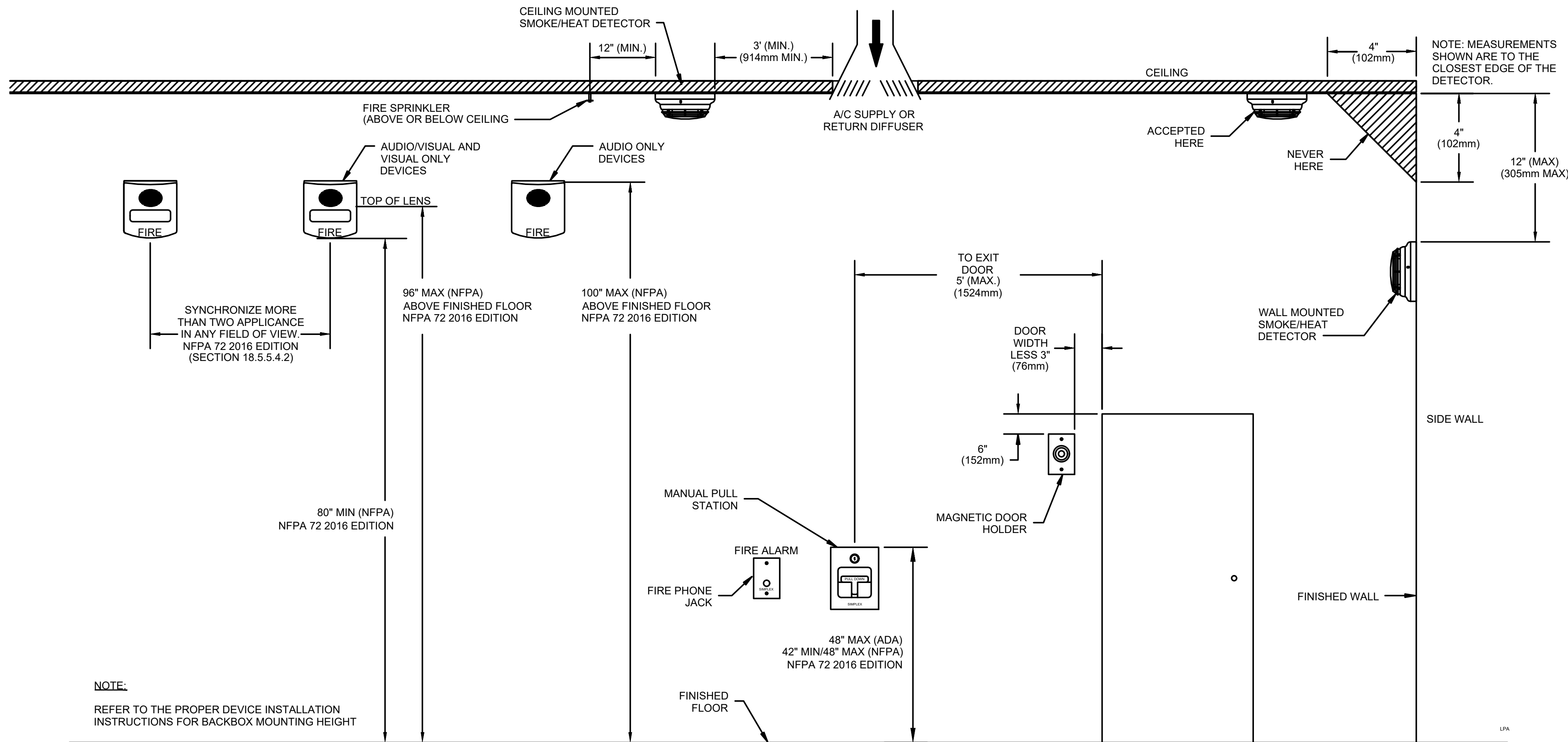
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Sheet Title:

FIRE ALARM
BATTERY
CALCULATIONS

Scale: As indicated
Sheet No:

FA4.10

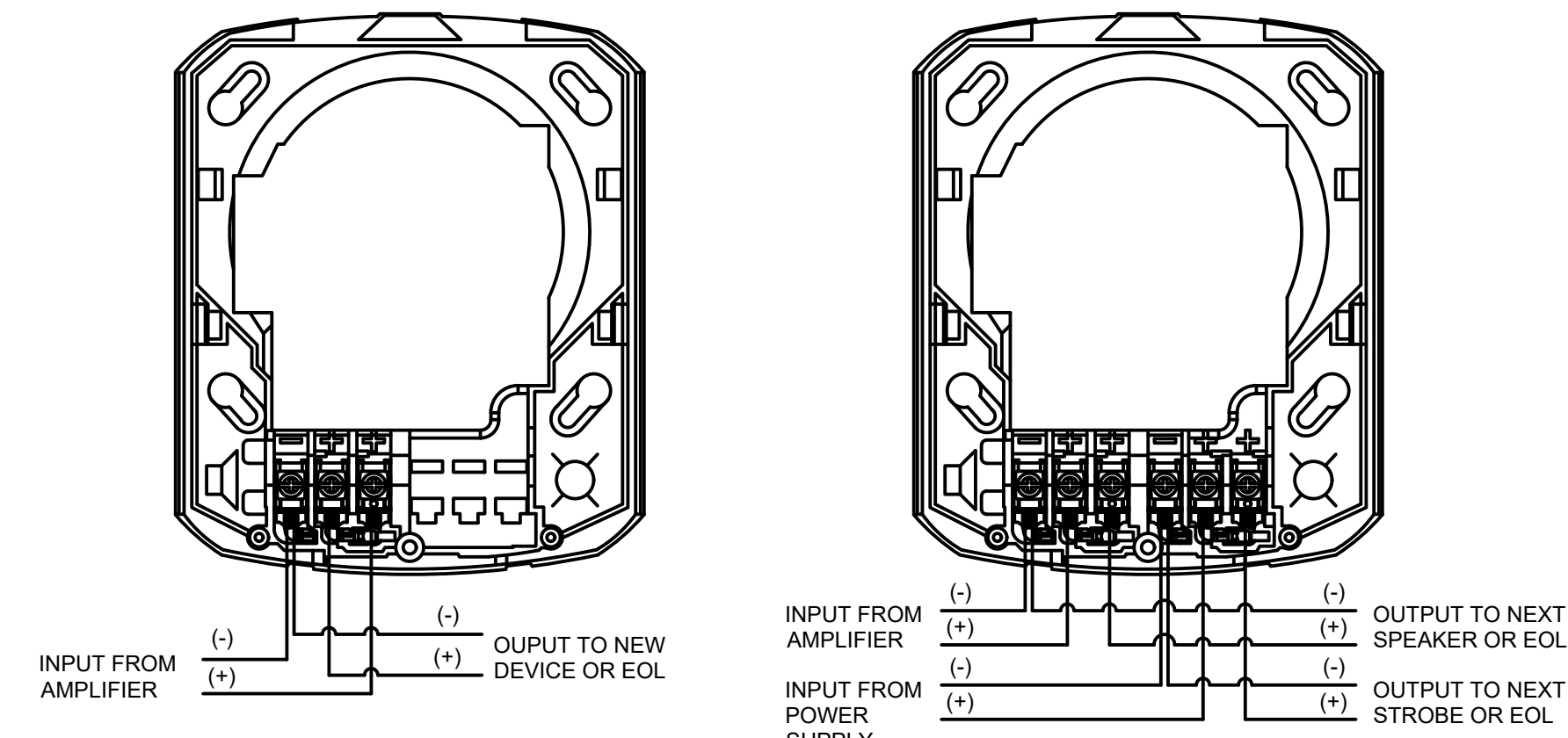
MONTE VERDE ES TK
BUILDING
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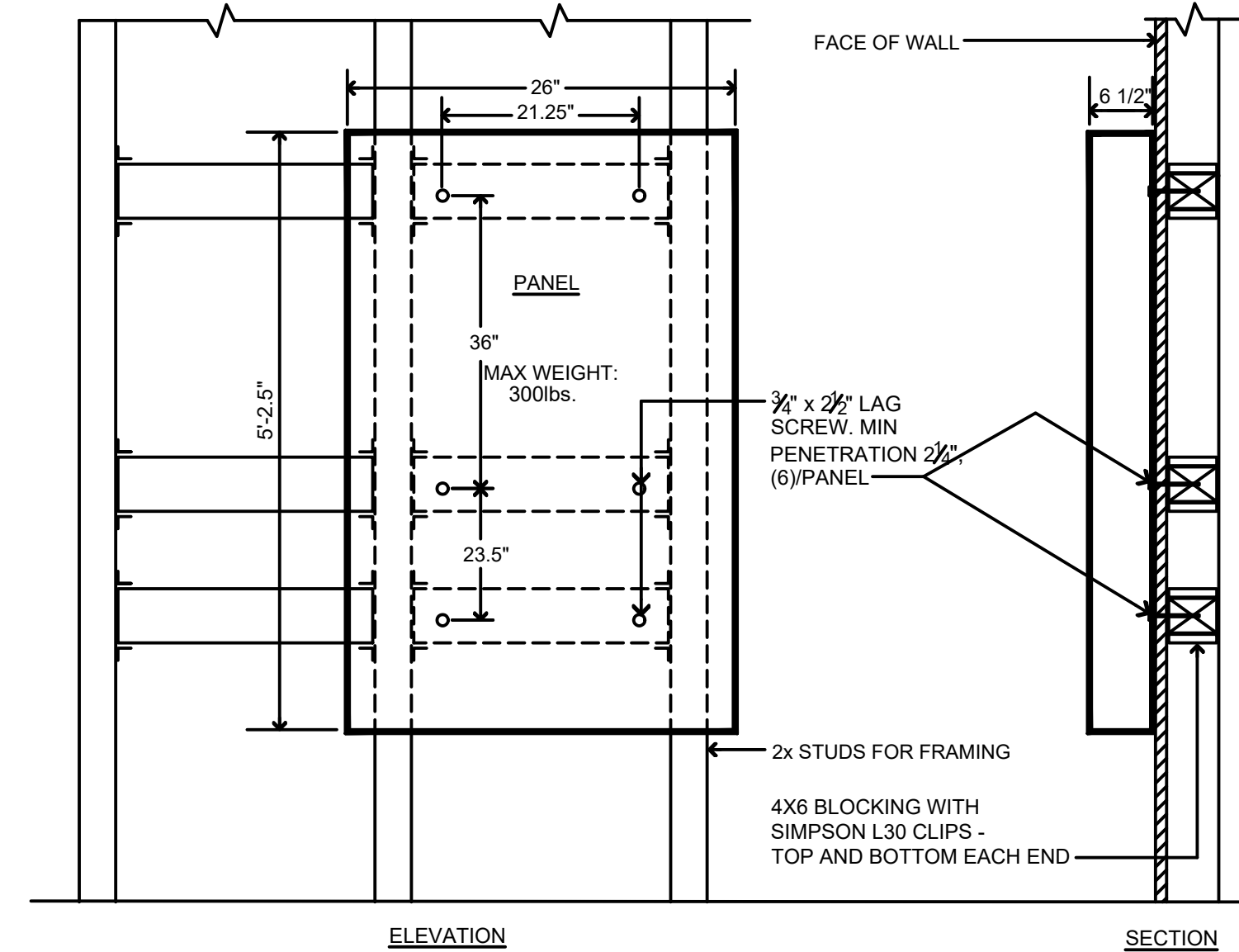
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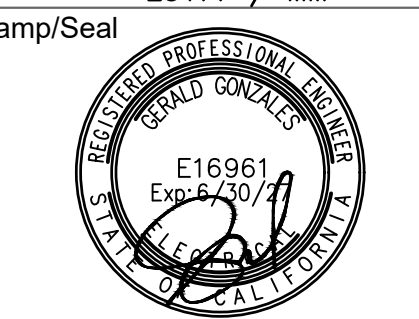
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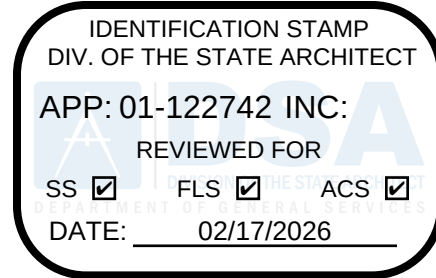
3 SURFACE MTD PANEL DETAIL
NO SCALE



BY SILVER CREEK MODULAR LLC
2830 BARRET AVE. PERRIS, CA 92571

SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
MONTE VERDE ELEMENTARY SCHOOL
TK-CLASSROOM
PROJECT NO. 11657

GENERAL NOTES		BUILDING DATA
REFER TO SHEET A-0 OF THE PC FOR SPECIFIC INFORMATION	REFER TO SHEET A-0 OF THE PC FOR SPECIFIC INFORMATION	REFER TO SHEET A-0 OF THE PC FOR SPECIFIC INFORMATION
APPLICABLE STANDARDS		
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APPLICABLE CODES		
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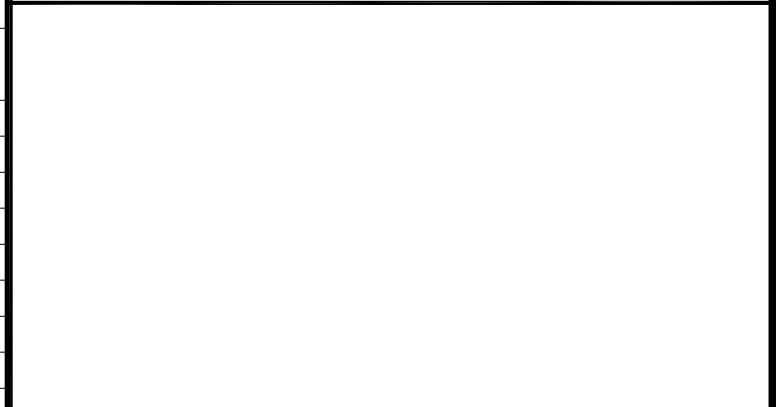
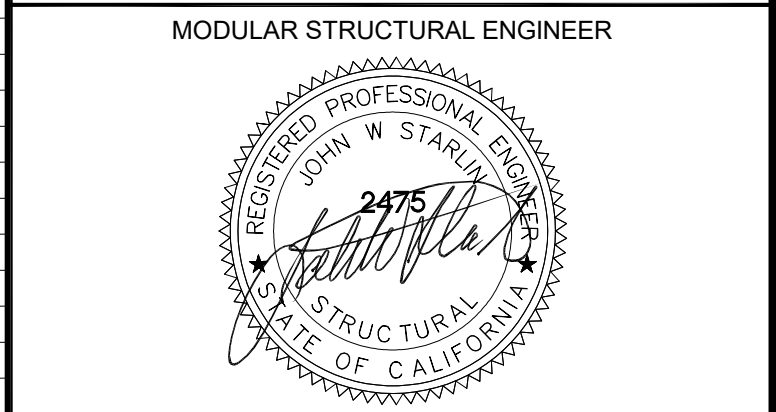
PROJECT NAME:
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MONTE VERDE E.S.
TK-CLASSROOM

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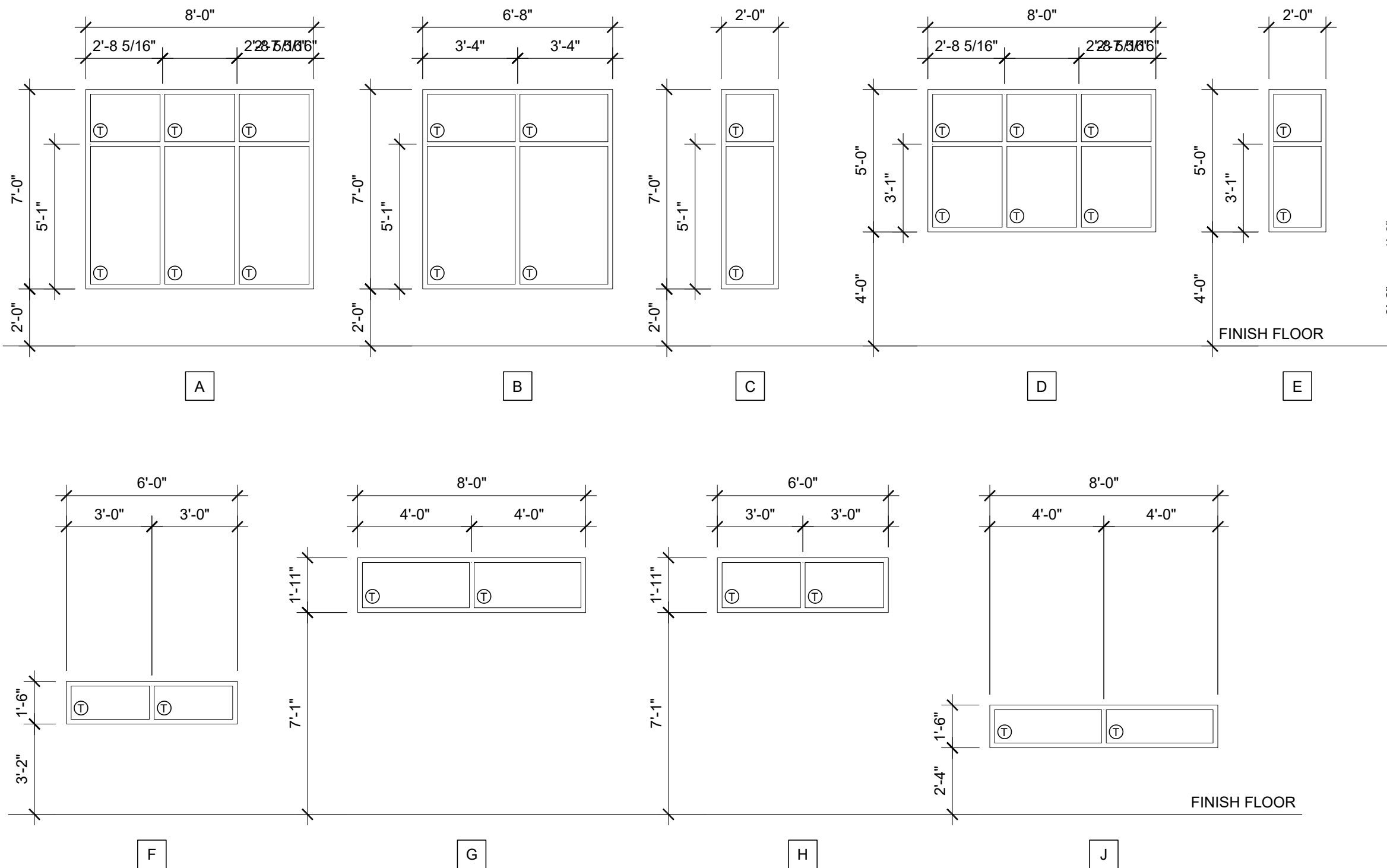


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JOB #:	11657
DRAWN BY: MR	
SCALE:	AS NOTED
DATE:	10/18/2025
SHEET NUMBER	

A-0N

WINDOW TYPES



WINDOW SCHEDULE

WINDOW TYPE	SIZE		FRAME MAT.	OPERABLE	MAX U-FACTOR	REQUIRED SHGC	MIN VT	NFRC RATED	GLASS SPECS	NOTES
	WIDTH	HEIGHT								
A	8'-0"	7'-0"	ANOD	NO	0.29	0.35	0.70	YES	DP	
B	6'-8"	7'-0"	ANOD	NO	0.29	0.35	0.70	YES	DP	
C	2'-0"	7'-0"	ANOD	NO	0.29	0.35	0.70	YES	DP	
D	8'-0"	5'-0"	ANOD	NO	0.29	0.35	0.70	YES	DP	
E	2'-0"	5'-0"	ANOD	NO	0.29	0.35	0.70	YES	DP	
F	6'-0"	1'-6"	ANOD	NO	0.29	0.35	0.70	YES	DP	
G	8'-0"	1'-11"	ANOD	NO	0.29	0.35	0.70	YES	DP	
H	6'-0"	1'-11"	ANOD	NO	0.29	0.35	0.70	YES	DP	
J	8'-0"	1'-6"	ANOD	NO	0.29	0.35	0.70	YES	DP	

WINDOW FINISH

ANOD: CLEAR ANODIZED ALUMINUM STOREFRONT FRAME

DP: INSULATED GLASS UNIT, 3/16" (MIN) SOLARBAN 62 (2) CLEAR OVER 3/16" (MIN) CLEAR

T: TEMPERED GLASS

NOTES:

- INDICATED U, SHGC + VT VALUES ARE CENTER OF GLASS
- TEMPORARY NFRC LABELS SHALL STAY ON WINDOWS UNTIL PROJECT INSPECTOR HAS VERIFIED INSTALLED FENESTRATION MATCHES WINDOW SCHEDULE ON PLAN.

DOOR SCHEDULE

DOOR NO	WIDTH	HEIGHT	DOOR TYPE	DOOR MAT./FIN	FRAME MAT./FIN	HARDWARE SET	LOCKABLE FROM INT.	NOTES*
①	3'-0"	7'-0"	A	AL/DP	AL	HW - 1	YES	
②	3'-0"	7'-0"	B	AL/DP	AL	HW - 1	YES	
③	3'-0"	7'-0"	C	SCB	KD	HW - 3	NO	
④	3'-0"	7'-0"	C	SCB	KD	HW - 2	NO	

DOOR MATERIAL AND FINISH ABBREVIATIONS

AL: ALUMINUM STOREFRONT

DP: INSULATED GLASS UNIT, 3/16" (MIN) SOLARBAN 62 (2) CLEAR OVER 3/16" (MIN) CLEAR

T: TEMPERED GLASS

KD: KNOCK DOWN FRAME

SCB: SOLID CORE WOOD BIRCH

FINISH SCHEDULE

ROOM NAME	FLOORING		WALL FINISH				CEILING		NOTES
	FLOOR	BASE	FRONT	LEFT	REAR	RIGHT	CEILING	CEILING HT	
TK-CLASSROOM 101	LVT	4" TS	TACK	TACK	TACK	TACK	CP	9'-0"	
STORAGE 102	LVT	4" TS	TACK	TACK	TACK	TACK	CP	9'-0"	
TK-RESTROOM 103	EPX	6" EPX	COR	COR	COR	COR	GPB	9'-0"	

FLOOR, WALL, CEILING MATERIALS

FLOORING

LVT: ALLURA DECIBEL 0.8 AD8 LVT FLOORING

EPX: DEX-O TEX EPOXY FLOORING

BASE

4" TS: 4" TOP SET BASE

EPX: DEX-O TEX EPOXY, CONTINUE FLOORING 6" UP THE WALL

WALLS

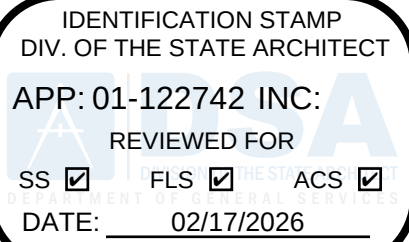
TACK: 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYPSUM BOARD BACKING OR RIGID INSULATION W/ ADHESIVE

COR: CORIAN SOLID SURFACE OVER 1/2" WATER RESISTANT GYPSUM BOARD

CEILING

CP: ARMSTRONG ULTIMA 1938 SQUARE LAY-IN 3/4" THICK, 2X4 ACOUSTICAL LAY IN GRID CEILING PANELS

GPB: 1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)



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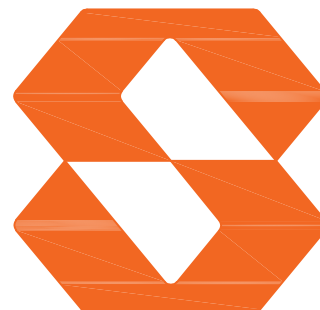
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MONTE VERDE E.S.

TK-CLASSROOM

SHEET TITLE:

SCHEDULES



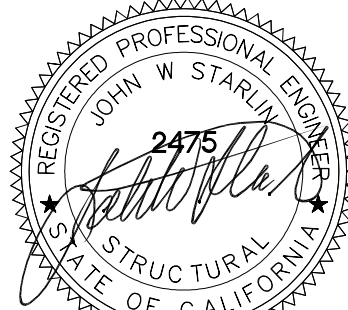
Silver Creek

2830 BARRETT AVE PERRIS, CALIFORNIA 92571

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MODULAR STRUCTURAL ENGINEER



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SILVER CREEK INDUSTRIES

JOB #: 11657

DRAWN BY: MR

SCALE: AS NOTED

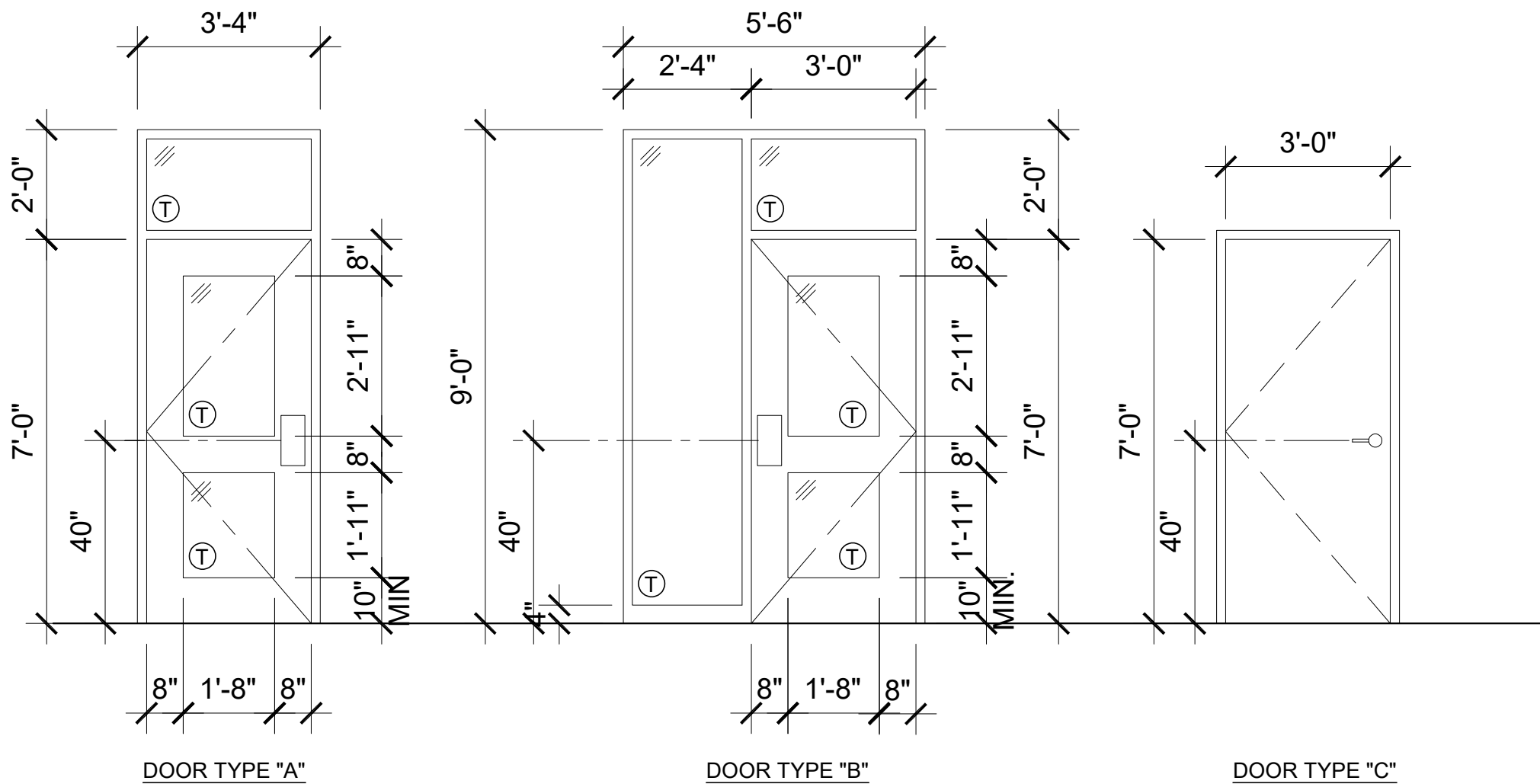
DATE: 10/18/2025

SHEET NUMBER

A-0.2N

DOOR TYPES & NOTES

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



CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 1 of 19)

Project Name:

SSFUSD - MONTE VERDE

Date Prepared:

2025-11-14

A. General Information

1	Project Name	SSFUSD - MONTE VERDE		
2	Run Title			
3	Project Location	- specify -		
4	City	- specify -	5 Standards Version	Compliance 2022
6	Zip code	94080	7 Compliance Software (version)	CBECC 2022.2.1 SP1 (1298)
8	Climate Zone	3	9 Building Orientation (deg)	90
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 (ft²)	1440	15 Total # of hotel/motel rooms	0
16	Total Unconditioned Floor Area (ft²)	0	17 Fuel Type	None
18	Nonresidential Conditioned Floor Area	1440	19 Total # of Stories (Habitable Above Grade)	1
20	Residential Conditioned Floor Area	0		

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 2 of 19)

B. PROJECT SUMMARY

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

Building Components Complying via Performance					Building Components Complying Prescriptively	
Envelope (See Table G)	Nonres	Performance	Solar Thermal Water Heating (See Table I3)	☐ Performance ☒ Not Included	The following building components are ONLY eligible for prescriptive compliance and should be documented on the NRCC form listed if within the scope of the permit application (i.e. compliance will not be shown on the NRCC-PRF-E). Indoor Lighting (Unconditioned) 140.6 & 170.2(e) NRCC-LTI-E is required Outdoor Lighting 140.7 & 170.2(e) NRCC-LTO-E is required Sign Lighting 140.8 & 170.2(e) NRCC-LTS-E is required	
	MultiFam	Not Included				
Mechanical (See Table H)	Nonres	Performance	Covered Process: Commercial Kitchens (see Table J)	☐ Performance ☒ Not Included	NRCC-LTI-E is required NRCC-LTO-E is required	
	MultiFam	Not Included				
Domestic Hot Water (See Table I)	Nonres	Not Included	Covered Process: Laboratory Exhaust (see Table J)	☐ Performance ☒ Not Included	NRCC-LTS-E is required	
	MultiFam	Not Included				
Lighting (Indoor Conditioned, see Table K)	Nonres	Performance	Photovoltaics (see Table F)	☐ Performance ☒ Not Included	Electrical power systems, commissioning, solar ready, elevator and escalator requirements are mandatory and should be documented on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E.) NRCC-ELC-E is required	
	MultiFam	Not Included				
			Battery (see Table F)	☐ Performance ☒ Not Included	Commissioning 120.8 NRCC-CXR-E is required Solar and Battery 110.10 NRCC-SAB-E is required	

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 3 of 19)

C1. COMPLIANCE SUMMARY

COMPLIES ¹			
	Time Dependent Valuation (TDV)		Source Energy Use
	Efficiency ¹ (kBtu/ft² - yr)	Total ² (kBtu/ft² - yr)	Total ² (kBtu/ft² - yr)
Standard Design	212.4	212.4	18.93
Proposed Design	164.56	164.56	13.9
Compliance Margins	47.84	47.84	5.03
	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 complies when efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 4 of 19)

C2. TDV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft² - yr)

COMPLIES ²			
Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) ¹
Space Heating	19.76	23.02	-3.26
Space Cooling	26.6	29.03	-2.43
Indoor Fans	134.1	89.56	44.54
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	0	0	0
Indoor Lighting	31.94	22.95	8.99
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	212.4	164.56	47.84 (22.5%)
Photovoltaics	---	---	---
Batteries	---	---	---
TOTAL COMPLIANCE	212.4	164.56	47.84 (22.5%)

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

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 5 of 19)

C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONENTS¹

Non-Regulated Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) ¹
Receptacle	60.45	60.45	---
Process	---	---	---
Other Ltg	---	---	---
Process Motors	---	---	---
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	272.85	225.01	47.84 (17.5%)

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

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 6 of 19)

C4. SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual SOURCE Energy Use, kBtu/ft² /yr)

COMPLIES ²			
Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE) ¹
Space Heating	2.83	3.25	-0.42
Space Cooling	0.53	0.53	0
Indoor Fans	13.03	8.3	4.73
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	0	0	0
Indoor Lighting	2.54	1.82	0.72
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	18.93	13.9	5.03 (26.6%)
Photovoltaics	---	---	---
Batteries	---	---	---
TOTAL COMPLIANCE	18.93	13.9	5.03 (26.6%)

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

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 7 of 19)

C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS¹

Non-Regulated Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE) ¹
Receptacle	4.5	4.5	---
Process	---	---	---
Other Ltg	---	---	---
Process Motors	---	---	---
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	23.43	18.4	5.03 (21.9%)

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

C6. 'ABOVE CODE' QUALIFICATIONS

☐ This project is pursuing CalGreen Tier 1

☐ This project is pursuing CalGreen Tier 2

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 8 of 19)

C7. ENERGY USE SUMMARY

Energy Component	Standard Design Site (MWh)	Proposed Design Site (MWh)	Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)
Space Heating	0.9	1.1	-0.2	---	---	---
Space Cooling	0.7	0.6	0.1	---	---	---
Indoor Fans	6.8	4.5	2.3	---	---	---
Heat Rejection	---	---	---	---	---	---
Pumps & Misc.	---	---	---	---	---	---
Domestic Hot Water	---	---	---	---	---	---
Indoor Lighting	1.7	1.3	0.4	---	---	---
Flexibility	---	---	---	---	---	---
Photovoltaics	---	---	---	---	---	---
Batteries	---	---	---	---	---	---
ENERGY USE SUBTOTAL	10.1	7.5	2.6	0	0	0
Receptacle	3.5	3.5	0	---	---	---
Process	---	---	---	---	---	---
Other Ltg	---	---	---	---	---	---
Process Motors	---	---	---	---	---	---
ENERGY USE TOTAL	13.6	11	2.6	0	0	0

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 9 of 19)

C8. ENERGY USE INTENSITY (EUI)

	Standard Design (kBtu/ft² / yr)	Proposed Design (kBtu/ft² / yr)	Margin (kBtu/ft² / yr)	Margin Percentage
GROSS EUI ¹	32.22	26.06	6.16	19.12
NET EUI ¹	32.22	26.06	6.16	19.12

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.

D1. EXCEPTIONAL CONDITIONS

• The project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylit Control requirements are met. PRESCRIPTIVE COMPLIANCE documentation (form NRCC-LTI-02-E) for the requirements of section 140.6(d) Automatic Daylighting Controls in Secondary Daylit Zones is required.

• The Building does not include service water heating. Verify that service water heating is not required and is not included in the design.

• Project is claiming Exception 2 to Section 140.10(a): No PV system is required where the required PV system size is less than 4 kWdc.

• Project is claiming Exception 2 to Section 140.10(b): No battery storage system is required in buildings with battery storage system requirements with less than 10 kWh rated capacity.

• Project is claiming Exception 3 to Section 140.10(b): No battery storage system required for tenant spaces less than or equal to 5,000 ft².

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

01	02	03	04
Opaque Surfaces & Orientation	Total Gross Surface Area (ft²)	Total Fenestration Area (ft²)	Window to Wall Ratio (%)
North-Facing ¹	460	61	13.26
East-Facing ²	432	86	19.91
South-Facing ³	460	65	14.13

Notes
¹North-Facing is oriented to within 45 degrees of true north, including 45 00'00" east of north (NE), but excluding 45 00'00" west of north (NW),
²East-Facing is oriented to within 45 degrees of true east, including 45 00'00" south of east (SE), but excluding 45 00'00" north of east (NE),
³South-Facing is oriented to within 45 degrees of true south, including 45 00'00" west of south (SW), but excluding 45 00'00" east of south (SE),
⁴West-Facing is oriented to within 45 degrees of true west, including 45 00'00" north of west (NW), but excluding 45 00'00" south of west (SW).

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 10 of 19)

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

01	02	03	04
Opaque Surfaces & Orientation	Total Gross Surface Area (ft²)	Total Fenestration Area (ft²)	Window to Wall Ratio (%)
West-Facing ⁴	396	100	25.25
Total	1748	312	17.85
Roof	1440	0	0

Notes
¹North-Facing is oriented to within 45 degrees of true north, including 45 00'00" east of north (NE), but excluding 45 00'00" west of north (NW),
²East-Facing is oriented to within 45 degrees of true east, including 45 00'00" south of east (SE), but excluding 45 00'00" north of east (NE),
³South-Facing is oriented to within 45 degrees of true south, including 45 00'00" west of south (SW), but excluding 45 00'00" east of south (SE),
⁴West-Facing is oriented to within 45 degrees of true west, including 45 00'00" north of west (NW), but excluding 45 00'00" south of west (SW).

G4. NONRESIDENTIAL AIR BARRIER

01	02
Building Story Name	Air Barrier
BuildingStory 1	Air barrier - not verified

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD

NRCC-PRF-E

Nonresidential Performance Compliance Method

(Page 12 of 19)

G7A. FENESTRATION ASSEMBLY SUMMARY (NONRESIDENTIAL)

01	02	03	04	05	06	07	08	09
Fenestration Assembly Name	Fenestration Type/ Product Type / Frame Type	Certification Method ¹	Assembly Method	Area (ft²)	Overall U-factor	Overall SHGC	Overall VT	Status ²
NFRC #INT-A-73-00213-00011	Vertical fenestration Operable window N/A	NFRC	Site built	312	0.52	0.35	0.61	N

¹ Notes: Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.
² Status: N - New, A - Altered, E - Existing

H1. DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRF, ECONOMIZERS ETC.)

01	02	03	04	05	06	07	08	09	10	11	12
Equipment Name	Equipment Type	Qty	Heating			Cooling			Economizer Type (if present)	Status ¹	
			Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit			Efficiency
AirSystem 101	Single Package VHP Air System	1	52.5	0	COP	3.3	54.5	EER	11	Fixed DB	N

¹ Status: N - New, A - Altered, E - Existing

H3. NONRESIDENTIAL / COMMON USE AREA FAN SYSTEMS SUMMARY

01	02	03	04	05	06	07	08	09	10	11	12	13
Name or Item Tag	Qty	Design OA CFM	Supply Fan				Return / Relief Fan				Status ¹	
			CFM	Power	Power Units	Control	Fan Type	CFM	Power	Power Units		Control
AirSystem 101	1	505.19	1,750	1	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N

¹ Status: N - New, A - Altered, E - Existing

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122742 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 02/17/2026

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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

ENERGY
CALCULATIONS


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

ARCHITECT OF RECORD

MODULAR STRUCTURAL ENGINEER



REVISIONS

1

2

3

4

5

6

7

8

SILVER CREEK INDUSTRIES

JOB #: 11657

DRAWN BY: MR

SCALE: AS NOTED

DATE: 10/18/2025

SHEET NUMBER

A-0.54N

01	02	03	04	05	06	07	08	09
Fenestration Assembly Name	Fenestration Type/ Product Type / Frame Type	Certification Method ¹	Assembly Method	Area (ft ²)	Overall U-factor	Overall SHGC	Overall VT	Status ²
NFRC #INT-A-73-00213-00011	Vertical fenestration Operable window N/A	NFRC	Site built	312	0.52	0.35	0.61	N

¹ Notes: Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.

² Status: N - New, A - Altered, E - Existing

H1. DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRF, ECONOMIZERS ETC.)											
01	02	03	04	05	06	07	08	09	10	11	12
Equipment Name	Equipment Type	Qty	Heating			Cooling			Economizer Type (if present)	Status ¹	
			Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency		
AirSystem 101	Single Package VHP Air System	1	52.5	0	COP	3.3	54.5	EER	11	Fixed DB	N

² Status: N - New, A - Altered, E - Existing

H3. NONRESIDENTIAL / COMMON USE AREA FAN SYSTEMS SUMMARY												
01	02	03	04	05	06	07	08	09	10	11	12	13
Name or Item Tag	Qty	Design OA CFM	Supply Fan			Return / Relief Fan					Status ¹	
			CFM	Power	Power Units	Control	Fan Type	CFM	Power	Power Units		
AirSystem 101	1	505.19	1,750	1	BHP	Constant Vol	N/A	N/A	N/A	N/A	N/A	N

² Status: N - New, A - Altered, E - Existing

01	02	03	04	05	06	07	08
System ID	Zone Name	Qty	CFM	Power	Power Units	Continuous Operation?	Status ¹
Ex	ThermalZone 101	1	100	0.08	BHP	No	N

¹ Status: N - New, A - Altered, E - Existing

01	02	03	04
System Name	Equipment Type	Interlocks per 140.4(n) ¹	Other Special Features and Controls
AirSystem 101	Single Package VHP Air System	No	Zone(s) With CO2 Sensor Vent. Control Fixed DB

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-E.

² Yes = Interlocks are provided, No = Interlocks are not provided, NA means no operable openings.

01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation			Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both	
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
ThermalZone 101	Education - Classrooms (ages 5-8) Exhaust - Toilets, public Misc - All others	32.91	505.19	100	1440	DCV

H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY											
01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtu/h)		Airflow (cfm)			Fan			
			Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles	VSD
TerminalUnit 101	Uncontrolled	1	N/A	N/A	1,750	N/A	0	N/A	N/A	N/A	☐

01	02	03	04	05	06
Occupancy Type ¹	Conditioned Floor Area ² (ft ²)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Additional (Custom) Allowance	
				Area Category Footnotes (Watts)	Area Category Footnotes (Watts)
Classroom, Lecture, or Training Vocational	1300	510	0	0	0
Restroom	63	51	0	0	0
GeneralStorage	77	51	0	0	0
Building Totals:	1440	612	0	0	0

¹See Table 140.6-C

²See NRCC-LTI-E for unconditioned spaces

³Lighting information for existing spaces modeled is not included in this table

K2. INDOOR CONDITIONED LIGHTING SCHEDULE					
Luminaire Schedule (Includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft ² in offices)					
01	02	03	04	05	06
Name or Item Tag	Complete Luminaire Description (I.e. 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Installed Watts (Conditioned)			
		Watts per luminaire	How is Wattage determined	Total Number of Luminaires	Installed Watts
SCI - 2x4 LED	---	51	According to 130.0(c)	12	612

¹If lighting power densities were used in the compliance model Building Departments will need to check prescriptive forms for Luminaire Schedule details.

K3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS								
Lighting Control Credits Schedule (Includes all lighting controls installed in conditioned space for compliance credit per 140.6(a)2 and Table 140.6-A)								
01	02	03	04	05	06	07	08	09
Area Description	Primary Function Area (must meet requirements of Table 140.6-A and 170.2-4)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Item Tag	Watts per Luminaire	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
Classroom 101	Classroom, Lecture, or Training Vocational	N/A	N/A	SCI - 2x4 LED	51	6	306	0
Classroom 101	Classroom, Lecture, or Training Vocational	N/A	N/A	SCI - 2x4 LED	51	4	204	0
Restroom	Restroom	N/A	N/A	SCI - 2x4 LED	51	1	51	0
Storage	GeneralStorage	N/A	N/A	SCI - 2x4 LED	51	1	51	0
Lighting Control Credits (Conditioned) Total (Watts)							0	

K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROL	
See NRCC-LTI-E for mandatory controls	

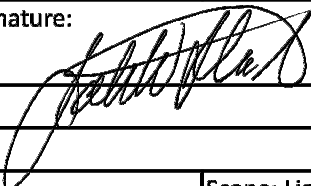
L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION	
Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online	
Building Component	Form/Title
Envelope	NRCI-ENV-01-E - Must be submitted for all buildings
Envelope	NRCI-ENV-E - Envelope (for all buildings)
Mechanical	NRCI-MCH-01-E - Must be submitted for all buildings
Mechanical	NRCI-MCH-E - For all buildings with Mechanical Systems
Plumbing	NRCI-PLB-01-E - Must be submitted for all buildings
Indoor Lighting	NRCI-LTI-01-E - Must be submitted for all buildings
Indoor Lighting	NRCI-LTI-E - Indoor Lighting (for all buildings)

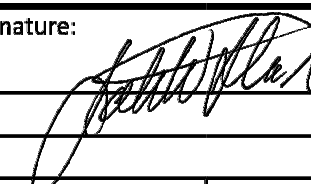
M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	
Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP).	
Building Component	Form/Title
Envelope	NRCA-ENV-02-F - NRFC label verification for fenestration
Indoor Lighting	NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls.
Indoor Lighting	NRCA-LTI-03-A - Automatic Daylight Controls.
Mechanical	NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap
Mechanical	NRCA-MCH-03-A - Constant Volume Single Zone HVAC
Mechanical	NRCA-MCH-05-A - Air Economizer Controls
Mechanical	NRCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.
Mechanical	NRCA-MCH-12-A FDD for Packaged Direct Expansion Units
Mechanical	NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance
Mechanical	NRCA-MCH-19-A Occupancy Sensor Controls

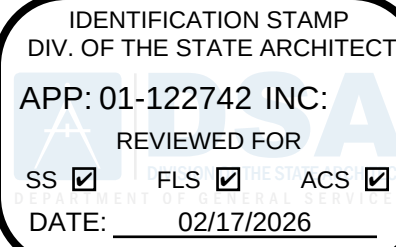
N. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION	
Selections made by Documentation Author indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online	
Building Component	Form/Title
Mechanical	NRCV-MCH-27 Indoor Air Quality & Mechanical Ventilation
Mechanical	NRCV-MCH-32 Local Mechanical Exhaust

Documentation Author's Declaration Statement	
1. I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: SILVER CREEK	Documentation Author Signature: 
Company: SILVER CREEK	Signature Date:
Address:	CEA/HERS Certification Identification (if applicable):
City/State/Zip: ,	Phone: 951-943-5393

Responsible Person's Declaration statement	
I certify the following under penalty of perjury, under the laws of the State of California:	
<ol style="list-style-type: none">The information provided on this Certificate of Compliance is true and correct.I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to accomplish this requirement.I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to accomplish these requirements.	

Responsible Designer Name: JOHN STARLIN	Responsible Designer Signature: 
Company: SILVER CREEK	
Address: 2830 BARRETT AVE	Date Signed:
City/State/Zip: PERRIS , CA 92571	License #: 2475
Phone: 951-943-5393	Title: Engineer Scope: Envelope
Responsible Designer Name: JOHN STARLIN	Responsible Designer Signature: 
Company: SILVER CREEK	
Address: 2830 BARRETT AVE	Date Signed:
City/State/Zip: PERRIS , CA 92571	License #: 2475
Phone: 951-943-5393	Title: Engineer Scope: Lighting

Responsible Designer Name: JOHN STARLIN	Responsible Designer Signature: 
Company: SILVER CREEK	
Address: 2830 BARRETT AVE	Date Signed:
City/State/Zip: PERRIS , CA 92571	License #: 2475
Phone: 951-943-5393	Title: Engineer Scope: Mechanical



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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

ENERGY
CALCULATIONS



ARCHITECT OF RECORD

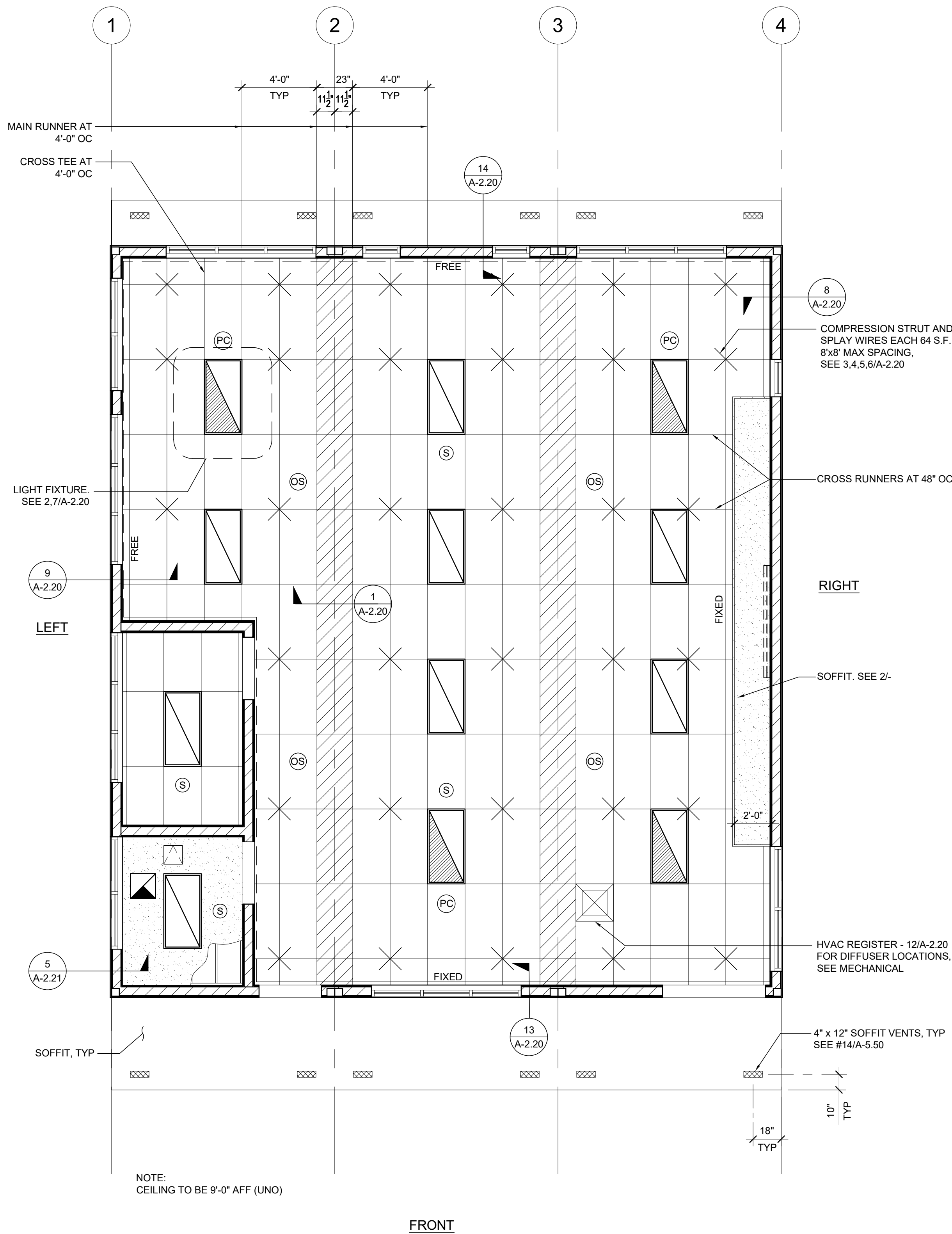
MODULAR STRUCTURAL ENGINEER



REVISIONS	
1	
2	
3	
4	
5	
6	
7	
8	
SILVER CREEK INDUSTRIES	
JOB #:	11657
DRAWN BY:	MR
SCALE:	AS NOTED
DATE:	10/18/2025
SHEET NUMBER	

A-0.55N

REAR



REFLECTED CEILING PLAN

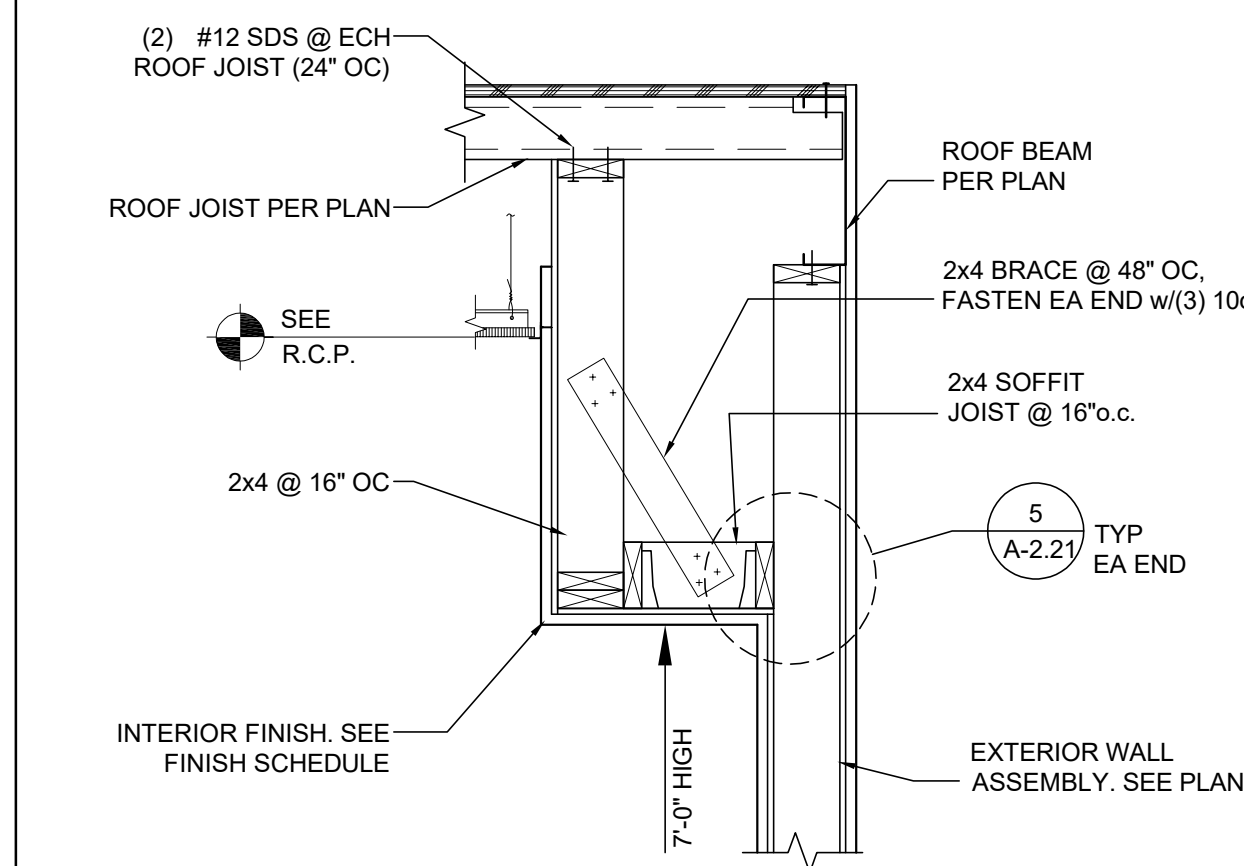
SCALE: 1/4" = 1' - 0"

1

INTERIOR SOFFIT DETAIL

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

2



SEE EQUIVALENT PC
SHEET A-2.02 FOR
NOTES & SYMBOL
LEGENDS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122742 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 02/17/2026

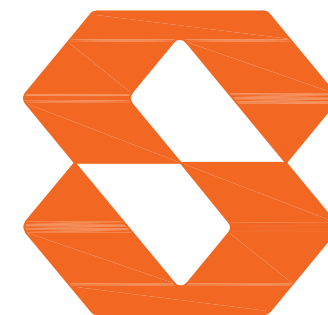
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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

REFLECTED CEILING
PLAN



Silver Creek

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

ARCHITECT OF RECORD

MODULAR STRUCTURAL ENGINEER



REVISIONS

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SILVER CREEK INDUSTRIES

JOB #: 11657

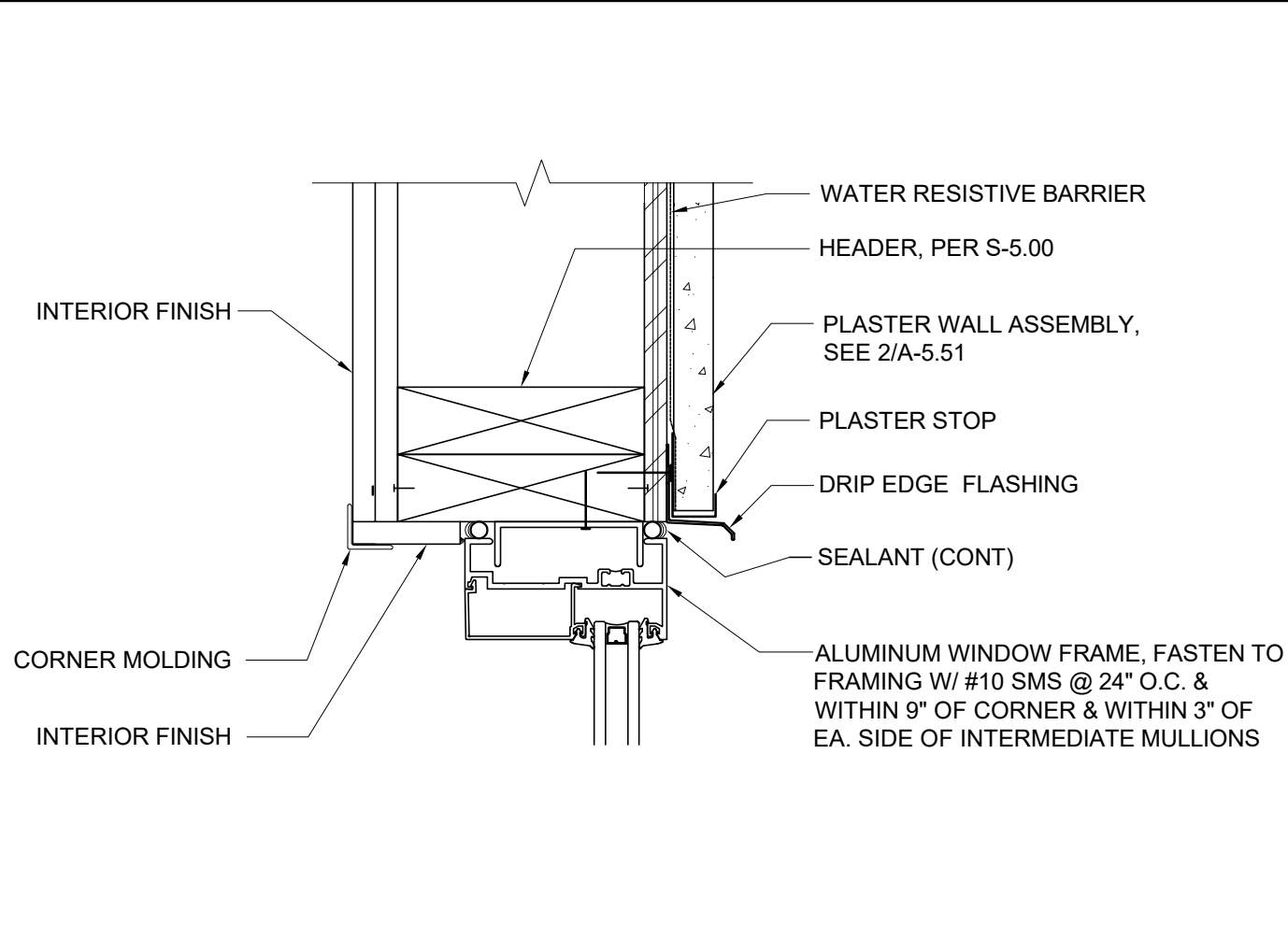
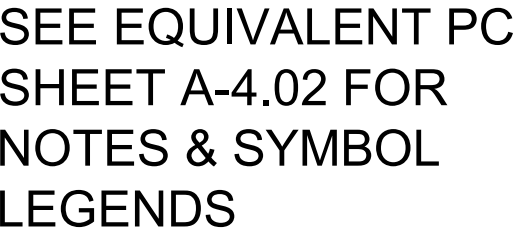
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SCALE: AS NOTED

DATE: 10/18/2025

SHEET NUMBER

A-2.02N



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PROJECT NAME

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

EXTERIOR ELEVATION



Silver Creek

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ARCHITECT OF RECORD

MODULAR STRUCTURAL ENGINEER



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SILVER CREEK INDUSTRIES

JOB #: 11657

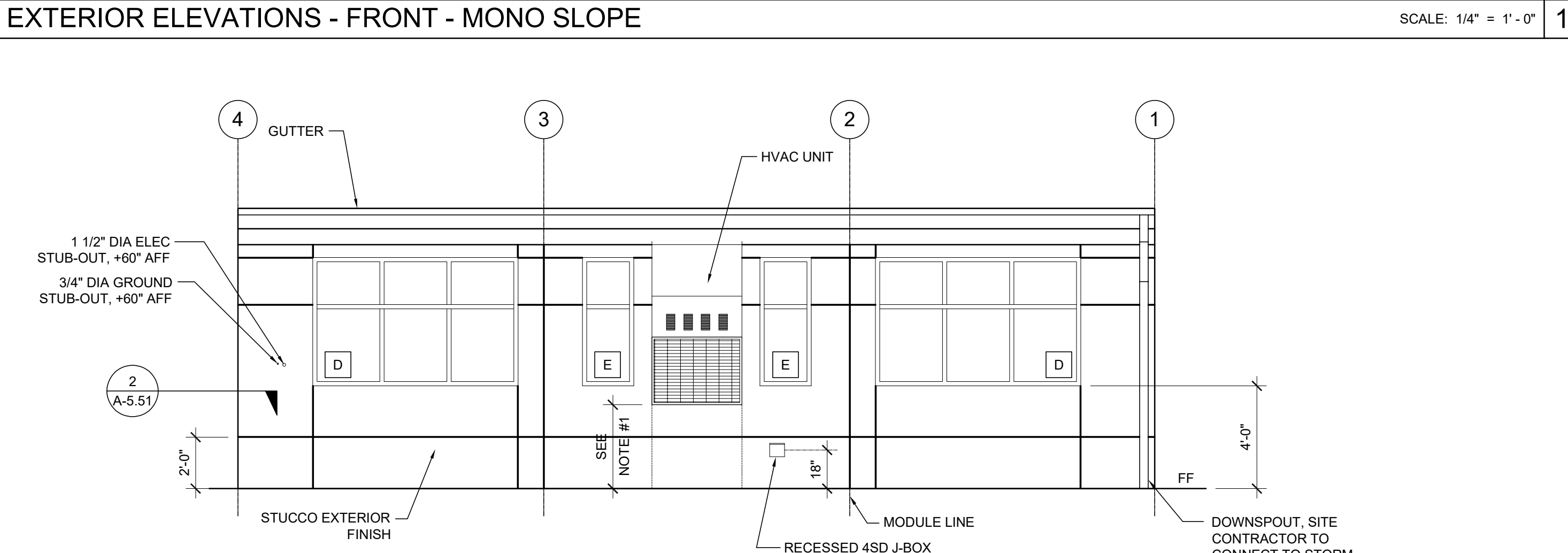
DRAWN BY: MR

SCALE: AS NOTED

DATE: 10/18/2025

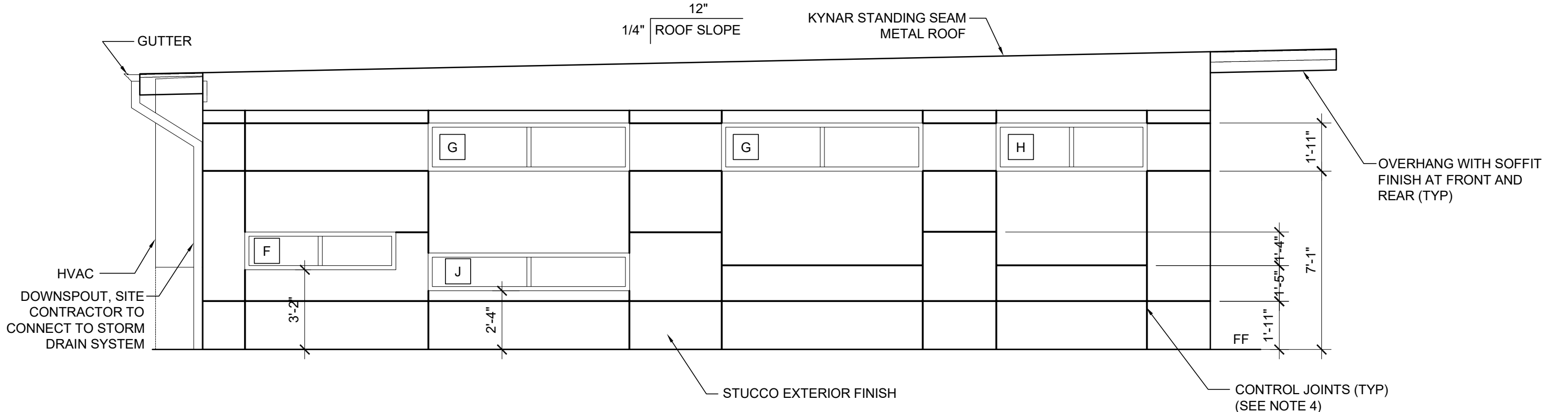
SHEET NUMBER

A-4.02N



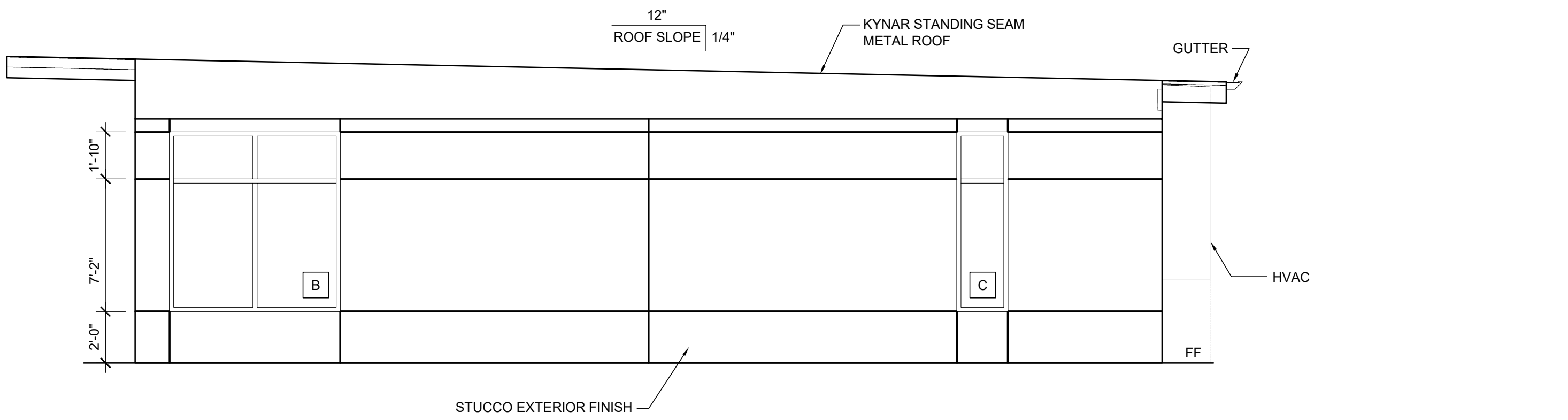
STOREFRONT JAMB

EXTERIOR ELEVATIONS - REAR - MONO SLOPE

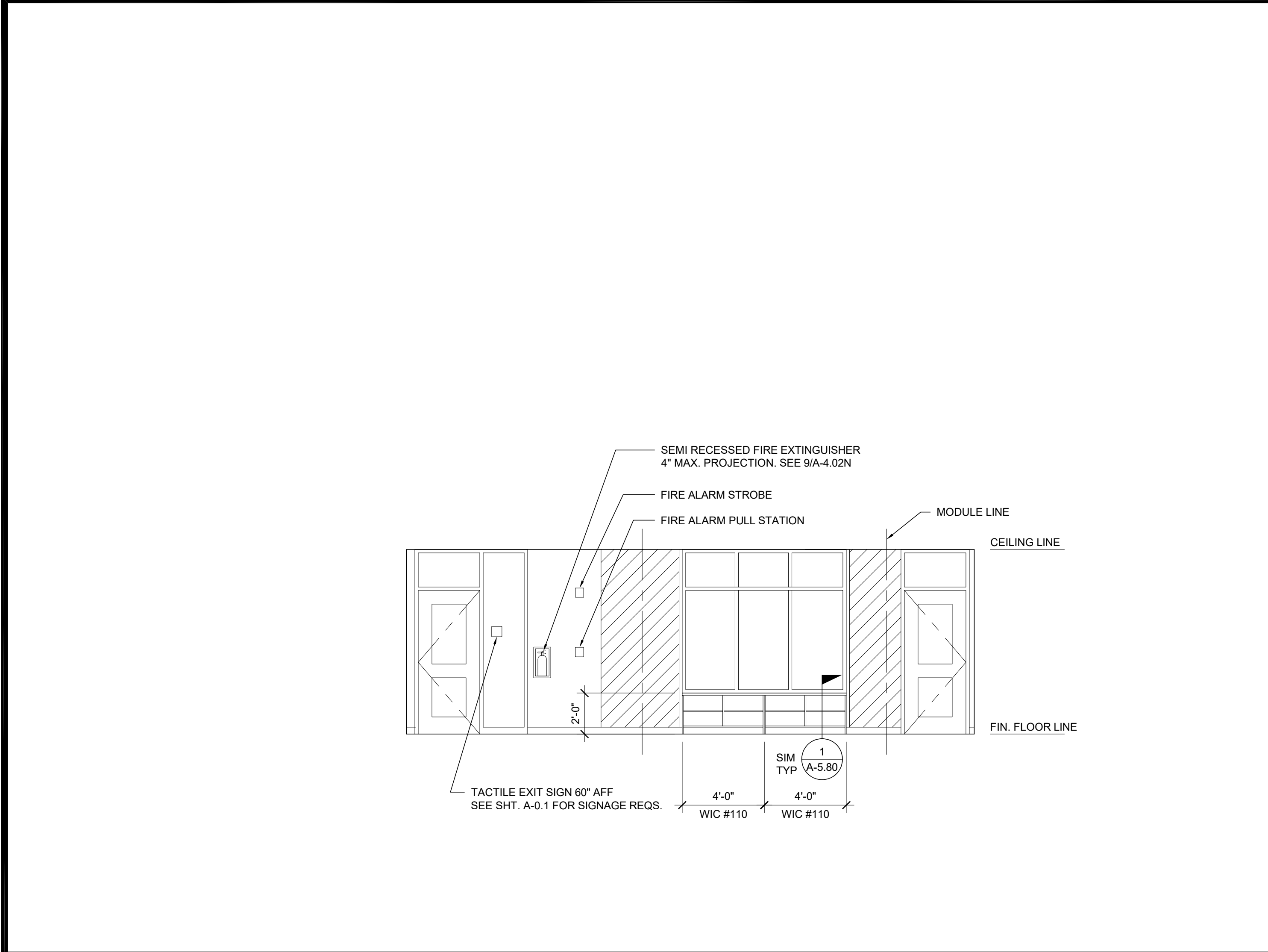
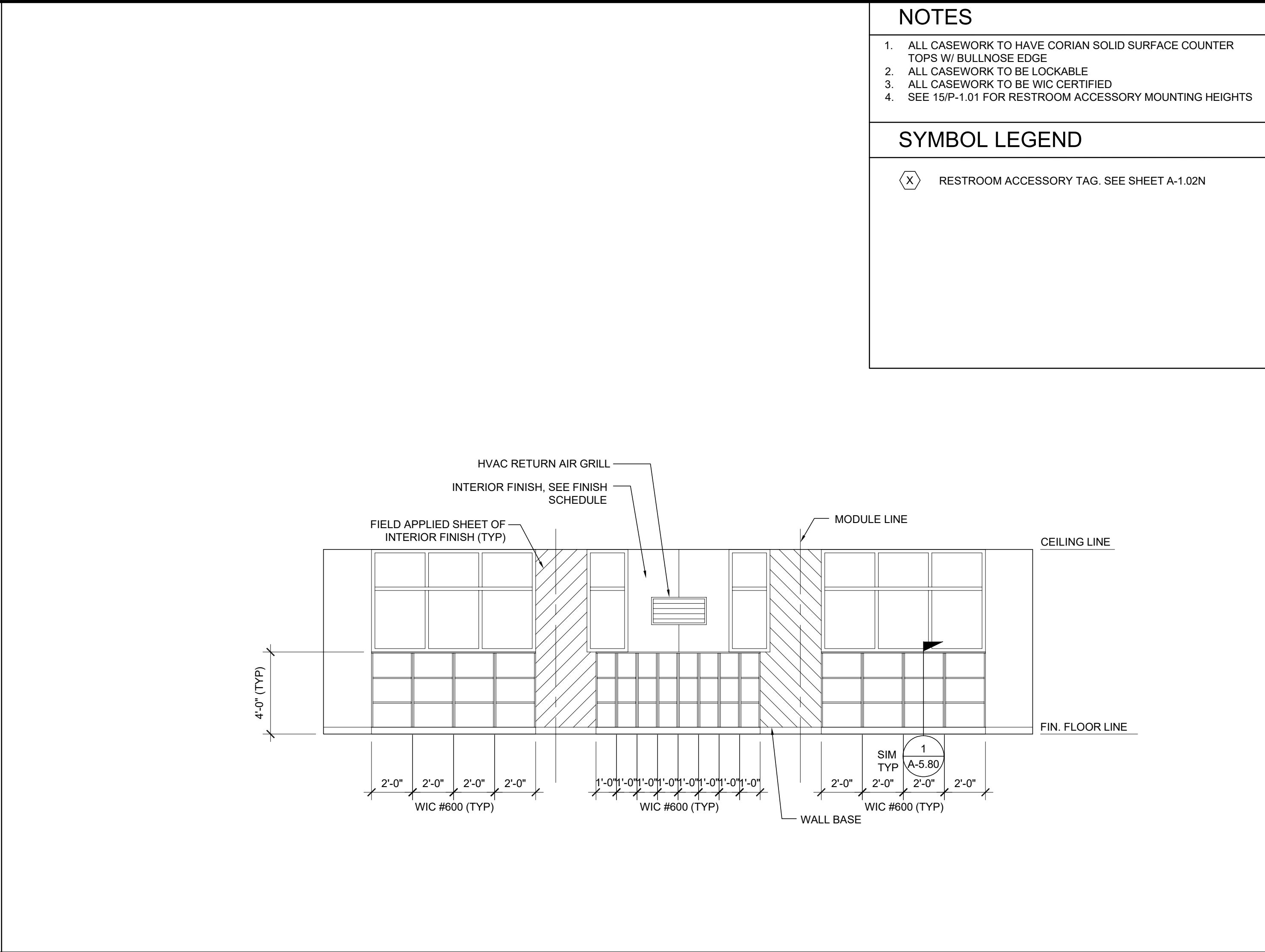


STOREFRONT SILL

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



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

- ALL CASEWORK TO HAVE CORIAN SOLID SURFACE COUNTER TOPS W/ BULLNOSE EDGE
- ALL CASEWORK TO BE LOCKABLE
- ALL CASEWORK TO BE WIC CERTIFIED
- SEE 15/P-1.01 FOR RESTROOM ACCESSORY MOUNTING HEIGHTS

SYMBOL LEGEND

X

RESTROOM ACCESSORY TAG. SEE SHEET A-1.02N

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP: 01-122742 INC:

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PROJECT NAME:

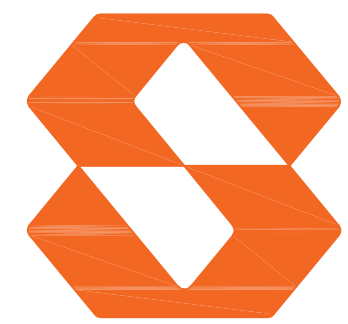
S.S.F.U.S.D.

MONTE VERDE E.S.

TK-CLASSROOM

SHEET TITLE:

INTERIOR ELEVATIONS

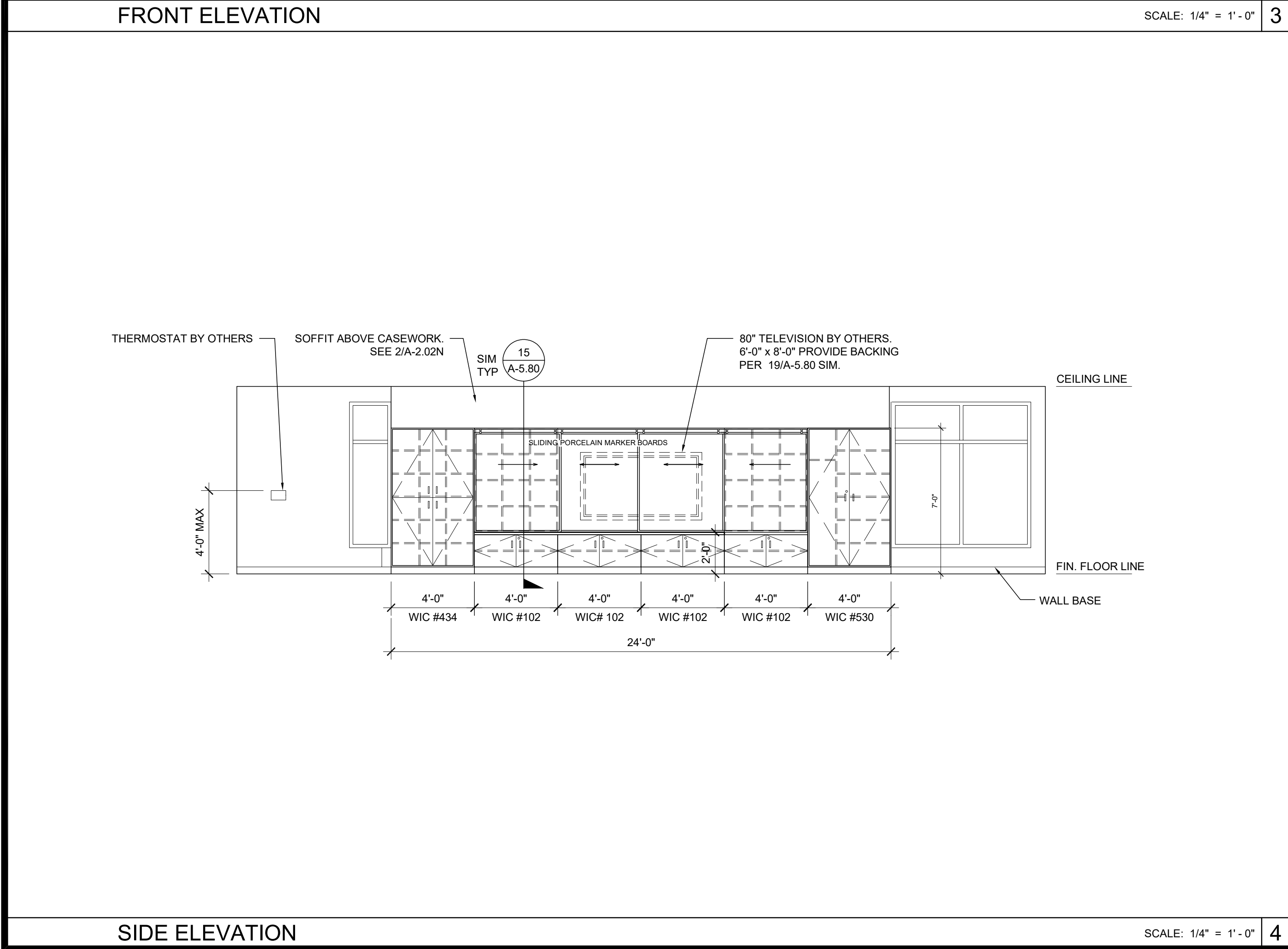
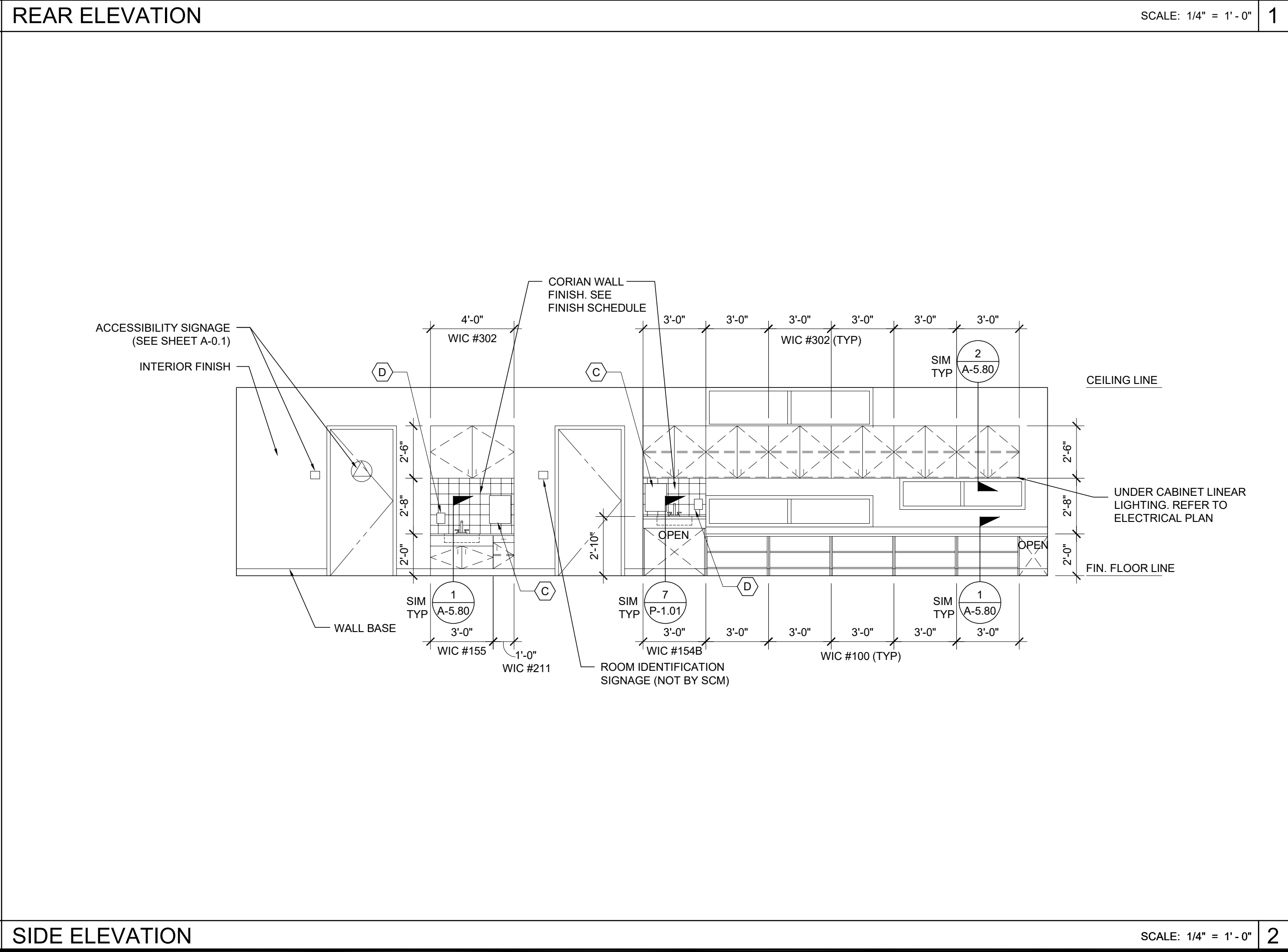


Silver Creek

2830 BARRETT AVE PERRIS, CALIFORNIA 92571

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

ARCHITECT OF RECORD



MODULAR STRUCTURAL ENGINEER



REVISIONS

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SILVER CREEK INDUSTRIES

JOB #: 11657

DRAWN BY: MR

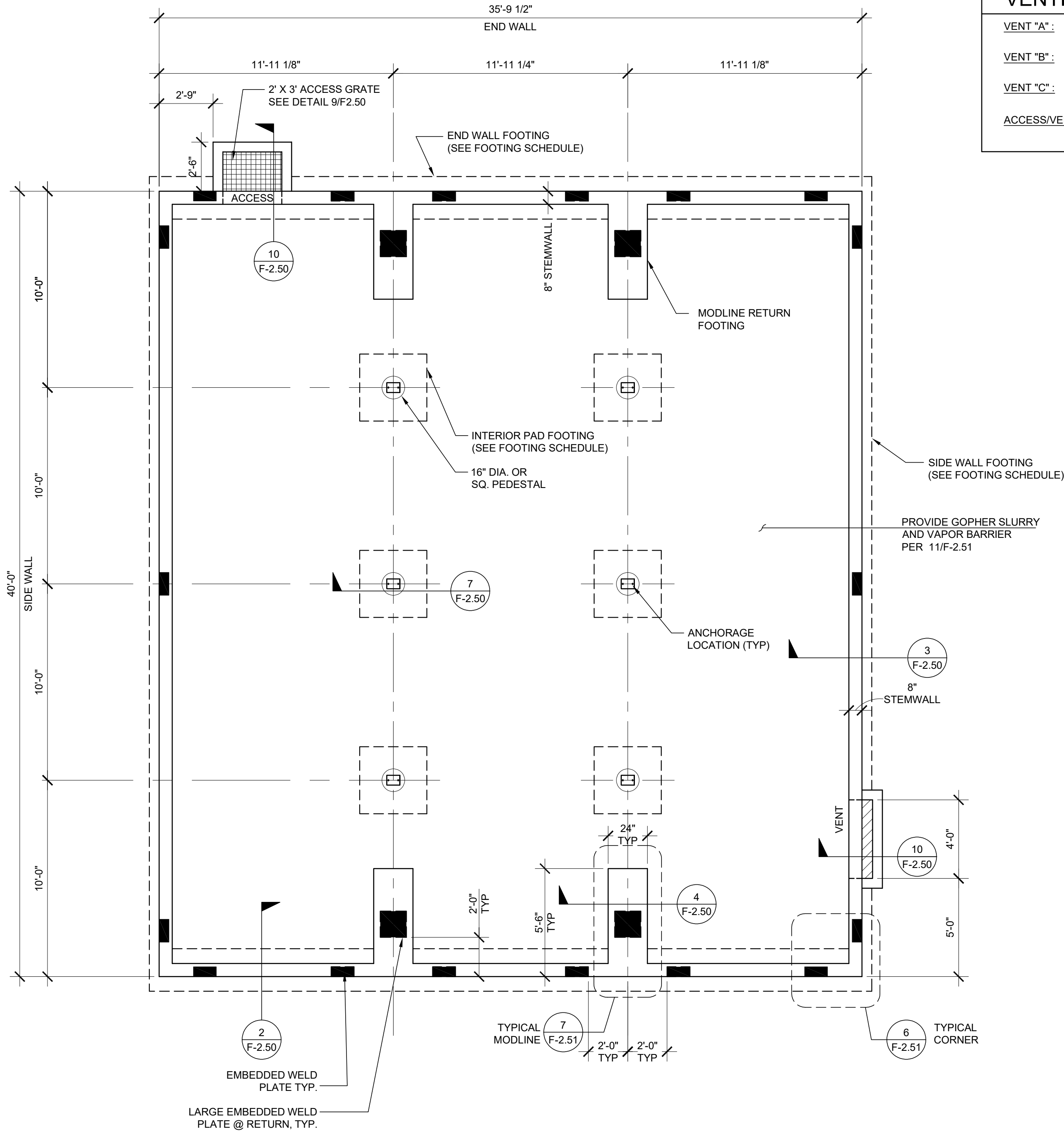
SCALE: AS NOTED

DATE: 10/19/2025

SHEET NUMBER

A-6.02N

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



VENTING CALCULATION:

PROJECT SPECIFIC VENT CALCULATION:

36' x 40' BUILDING: 36' x 40' = 1,440SF / 1500 (VAPOR BARRIER) = 0.96 SF VENT. REQ'D

TOTAL PROVIDED:

(1) VENT 'C' @ 1.59 EA =	1.59 SF
(1) VENT 'D' @ 4.25 =	4.25 SF
TOTAL SF VENTILATION PROVIDED	5.84

TOTAL PROVIDED 5.84 SF > TOTAL REQUIRED 0.96 SF

VENTILATION OPENINGS SHALL BE COVERED WITH WELDED STEEL GRATING WITH OPENINGS NOT MORE THAN 1/4 INCH IN DIRECTION OF TRAVEL.

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

IDENTIFICATION STAMP
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SS ☒ FLS ☒ ACS ☒
DATE: 02/17/2026

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PROJECT NAME:
**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

SHEET TITLE:
**CONCRETE
FOUNDATION PLAN**

Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
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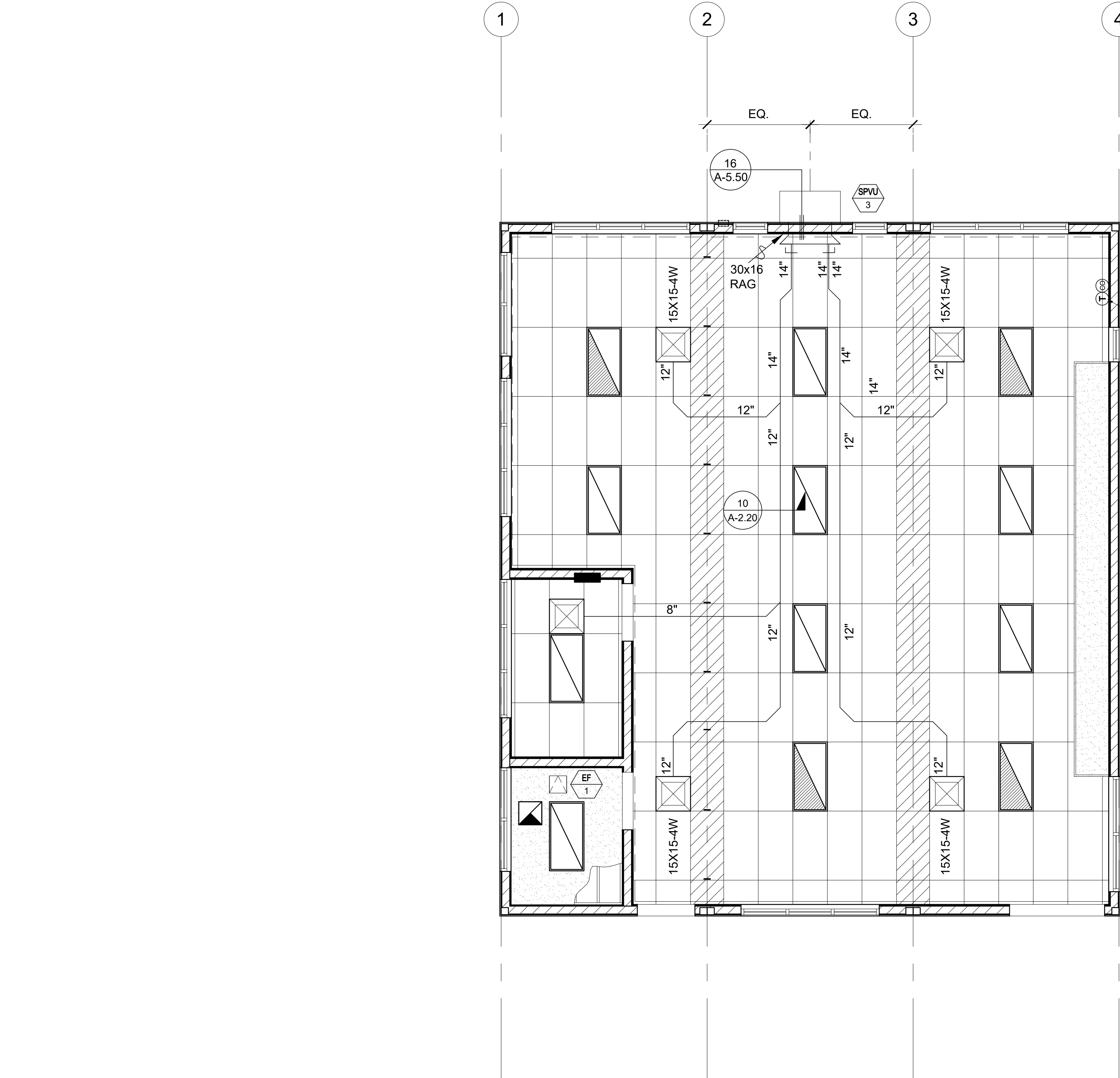
ARCHITECT OF RECORD

MODULAR STRUCTURAL ENGINEER

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SILVER CREEK INDUSTRIES	
JOB #:	11657
DRAWN BY:	MR
SCALE:	AS NOTED
DATE:	10/18/2025

SHEET NUMBER
F-2.11N



WALL MOUNTED MECHANICAL EQUIPMENT SCHEDULE		
	SPVU-3	
HVAC EQUIPMENT MAKE AND MODEL	BARD C60HF-BOZYN4X4E	
BTUH:		
HEATING	52,500	
COOLING	55,500	
INDOOR/ BLOWER FAN:		
BHP/HP	0.75/0.75	
CFM	1,750	
STRIP HEATING	NA	
SEER	NA	
EER	11.0	
HSPF	NA	
COP	3.3	
VOLTAGE	230/208 - 3	
MCA	28	
MCOP	36	
WIRE SIZE (PWR/ GRND)	8/8	
THERMOSTAT:		
MAKE AND MODEL	INTEGRATED	
CONTROLS	FIXED DRY BULB	
FAULT DETECTION	YES	
OUTSIDE AIR DAMPER POSITION	VARIES	
DEMAND CONTROL VENTILATION	YES	
MINIMUM DCV OUTSIDE AIRE IN CFM	0.15 CFM / SF	
MINIMUM DESIGNED OUTSIDE AIR IN CFM	SEE BELOW	
DEMAND SHED THERMOSTAT	NA	
OPERATING WEIGHT	595 #	

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 AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.
PROVIDE A CO2 SENSOR WITH LCD DISPLAY (CARRIER #33ZCSPT02LCD-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
REQUIRED VENTILATION BASED ON AREA
ROOM AREA = 1,440 SF
REQUIRED VENTILATION RATE = 0.38 CFM / SF
REQUIRED OUTSIDE AIR VOLUME = 1,440 X 0.38 = 548 CFM

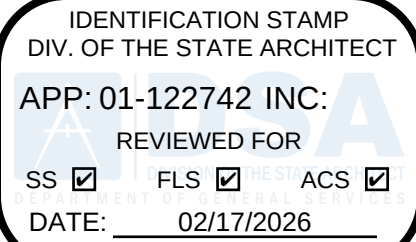
VENTILATION AS DESIGNED (BASED ON OCCUPANCY)
BUILDING AREA = 1,440 SF
OCCUPANCY FOR EGRESS PURPOSES = 1,440 / 20 = 72 OCCUPANTS
EXPECTED # OF OCCUPANTS = 72 OCCUPANTS X 0.50 = 36 OCCUPANTS
REQUIRED VENTILATION RATE = 15 CFM / OCCUPANT
REQUIRED OUTSIDE AIR VOLUME = 36 X 15 = 540 CFM

MINIMUM REQUIRED VENTILATION FOR DCV
ROOM AREA = 1440 SF
REQUIRED VENTILATION RATE = 0.15 CFM / SF
REQUIRED OUTSIDE AIR VOLUME = 1440 X 0.15 = 216 CFM

SEE EQUIVALENT PC
SHEET M-1.02 FOR NOTES
& SYMBOL LEGENDS

NOTE:
BUILDING MANUFACTURER SHALL LEAVE FOR THE BUILDING OWNER, AT OCCUPANCY, OPERATING INFORMATION FOR ALL APPLICABLE MECHANICAL AND ELECTRICAL FEATURES, MATERIALS, COMPONENTS, AND DEVICES INSTALLED IN THE BUILDING RELATED TO EFFICIENT ENERGY USE. IN ADDITION, THE BUILDING MANUFACTURER SHALL LEAVE MAINTENANCE INFORMATION FOR ALL FEATURES, MATERIALS, COMPONENTS, AND MANUFACTURED DEVICES THAT REQUIRE ROUTINE MAINTENANCE FOR EFFICIENT OPERATION OF THE MECHANICAL AND LIGHTING SYSTEMS.

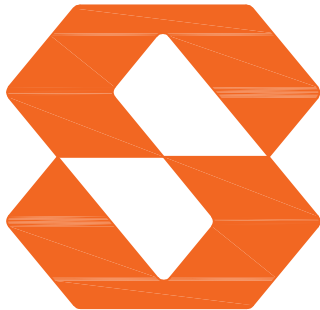
NOTE:
THE OCCUPANCY SENSOR USED TO CONTROL THE HVAC EQUIPMENT SHALL BE SEPARATE FROM THE OCCUPANCY SENSOR USED TO CONTROL THE LIGHTING SYSTEM. THIS SENSOR MAY BE INTEGRATED INTO THE THERMOSTAT OR MAY BE A SEPARATE DEVICE.



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PROJECT NAME:
S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:
MECHANICAL PLAN



Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
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ARCHITECT OF RECORD

MODULAR STRUCTURAL ENGINEER



REVISIONS	
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SILVER CREEK INDUSTRIES	
JOB #:	11657
DRAWN BY:	MR
SCALE:	AS NOTED
DATE:	10/18/2025

SHEET NUMBER
M-1.02N

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MONTE VERDE E.S.
TK-CLASSROOM

ELECTRICAL PLAN



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REVISIONS:

SILVER CREEK INDUSTRIES

JOB #: 1165

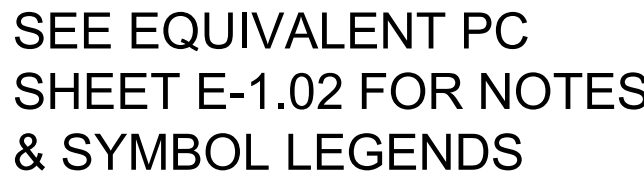
DRAWN BY: MF

SCALE: AS NOTED

DATE: 10/18/2025

SHEET NUMBER

E-1.02N



1. ALL OUTLETS ARE TO BE CHILD PROOF RECEPTACLES
2. PROVIDE 24 DATA PATHWAYS STUBBED ABOVE CEILING
3. PROVIDE WATT STOPPER LIGHTING CONTROLS

ELECTRICAL PANEL SCHEDULE

ELECTRICAL PLAN

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

1

MODULAR CLASSROOM BUILDINGS

(WITH OPTIONAL RESTROOM MODULES)

BUILDING SIZE: 24' X 40'

EXPANDABLE TO 120' X 40'

PC 04-121999

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

SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT

MONTE VERDE ELEMENTARY SCHOOL

TK-CLASSROOM

PROJECT NO. 11657

GENERAL NOTES

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

APPLICABLE STANDARDS

NFPA 13	AUTOMATIC SPRINKLER SYSTEMS (CA AMENDED)	2022 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED)	2022 EDITION
(NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")		
ACI 318	BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE	2019 EDITION
ASME A17.1 (W/A17.1A CSA B44-2019 ADDENDA)	SAFETY CODE FOR ELEVATORS & ESCALATORS.	2007 EDITION

APPLICABLE CODES

LIST OF 2022 CALIFORNIA CODE OF REGULATIONS

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

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

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

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

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

2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.

2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R.

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

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

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

BUILDING DATA

NUMBER OF STORIES:	1 - STORY
OCCUPANCY:	E or B
TYPE OF CONSTRUCTION:	V-B
FLOOR LIVE LOAD:	☐ 50 PSF ☒ 50+15 PSF PARTITION LOAD ☐ 100 PSF ☐ 150 PSF
ROOF LIVE LOAD:	20 PSF
FLOOR DEAD LOAD:	☐ WOOD FLOOR - 11 PSF ☒ 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:	☐ 24'x40' BLDG - 960 S.F. ☐ 84'x40' BLDG - 3,360 S.F. ☒ 36'x40' BLDG - 1,440 S.F. ☐ 96'x40' BLDG - 3,840 S.F. ☐ 48'x40' BLDG - 1,920 S.F. ☐ 108'x40' BLDG - 4,320 S.F. * ☐ 60'x40' BLDG - 2,400 S.F. ☐ 120'x40' BLDG - 4,800 S.F. * ☐ 72'x40' BLDG - 2,880 S.F. * SEE S-0.1 FOR GEOTECHNICAL REPORT REQUIREMENT
ALLOWABLE AREA: 9,000 S.F.	
(ALL w/o OVERHANGS)	
FOUNDATION:	☐ WOOD (CONDITIONAL) ☐ CONCRETE ABOVE GRADE ☒ CONCRETE BELOW GRADE (2,000 SF. CONDITIONAL) ☐ CONCRETE BELOW GRADE (2,000 SF. CONDITIONAL) ☐ (ANAL. SEE NOTE 15)
CEC CLIMATE ZONE:	☐ ALL ZONES (1-16) ☒ 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:	☒ FLAT P_f OR ☐ LOW-SLOPE, P_{fs} OR ☐ 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 ☐ NO ☒
WIND DESIGN	
BASIC WIND SPEED (3 SECOND GUST) V_{ult}	120
RISK CATEGORY	II
WIND EXPOSURE CATEGORY	C
TOPOGRAPHIC FACTOR K_{zt}	1
SEISMIC DESIGN	
LATERAL FORCE-RESISTING SYSTEM	OMF
ANALYSIS PROCEDURE	EQUIV. LATERAL FORCE
SEISMIC DESIGN CATEGORY (SDC)	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 ELEVATED BY 50% FOR ALL APPLICATIONS OF SM_1	
+++ FOR THE PURPOSES OF CALCULATING C_s (PER ASCE 7-16 12.8.1.3) $S_{DS} = 1.56$	

FOR SITE SPECIFIC PROJECT

☐ SOLAR PV IS REQUIRED AND REFERENCE SHEET A-0.7

☒ GEOTECH REPORT IS REQUIRED

SEISMIC DESIGN FOR SITE SPECIFIC PROJECTS

☐ DESIGN BASED ON SITE CLASS $D_{default}$

NO GEOTECHNICAL INVESTIGATION REQUIRED

$S_s =$ _____ $F_a = 1.2$

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

GEOTECHNICAL INVESTIGATION PROVIDED

SITE CLASS: ☒ C ☐ D

$S_s = 2.46$ $F_a = 1.2$ PER ASCE 7-16 SUPPL. 3, TABLE 11.4-1

☐ DESIGN BASED ON SITE SPECIFIC GROUND MOTION HAZARD ANALYSIS PER CHAPTER 21 OF ASCE 7-16

SHORT-PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, S_{Dp} , SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION

CGS APPROVAL REQUIRED

NOT ELIGIBLE FOR QTC REVIEW

SITE CLASS: ☐ C ☐ D

$S_{DS} = \frac{2}{3} F_a S_s = 1.948$

☒ SITE CLASS C or D: $0.7 \times S_{DS}^* = 0.7 \times 1.948 = 1.3636 \leq 1.56$

$C_s = 0.45$ USED IN DESIGN

SEISMIC DESIGN CATEGORY: ☒ D ☐ 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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SHEET FOUNDATION

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F-0.10	WOOD FOUNDATION PLAN - 36' x 40' (60+16 PSF)
F-0.11	WOOD FOUNDATION PLAN - 36' x 40' (180 PSF)
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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122742 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 02/17/2026

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:

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendices at the bottom of this form identify work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets 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	
1. TYPE	2. PERFORMED BY
Continuous - 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 approved by the DSA Program Unit (2022 CBC).
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.

TEST OR SPECIAL INSPECTION	TYPE	PERFORMED BY	CODE REFERENCES AND NOTES
1. Verify use of required design mix.	Test	LOR	Table 1705A.3 Item 5, 1910A.1.
2. Identify sample, and test reinforcing steel.	Test	LOR	1910A.2, ACI 318-19, 20.20 and Section 26.1.2, DSA R 17-13 (See Appendix A and the items for exemptions).
3. Verify concrete placement, laboratory specimens for strength tests, perform cure and/or control tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6, ACI 318-19, Section 26.5.2, 26.12, 26.13.
4. Test concrete (f _c).	Test	LOR	1910A.1, 17, ACI 318-19, Section 26.12.
5. Submit test inspection Periodic	See Notes	SI	Default of Continuous per 1705A.3. If approved by DSA, batch plant inspection may be replaced by "Witness" at the time of concrete placement in Section 1705A.3.3.1, or otherwise per 1705A.3.3.2, see R 17-13 (See Appendix A and the items for exemptions).
6. Welding reinforcing steel.			Provide special inspection per STEEL, Category 5(A)(6) & (a) and/or 5(A)(6) & (a) below.

C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1)			
TEST OR SPECIAL INSPECTION	TYPE	PERFORMED BY	CODE REFERENCES AND NOTES
1. Sample and test prestressing tendons and anchorage.	Test	LOR	1705A.3.4, 1910A.3.
2. Inspect placement of prestressing tendons.	Periodic	SI	1705A.3.4, Table 1705A.3 Item 1 & 6.
3. Inspect placement of prestressing tendons.	Test	Performed By	Code References and Notes
4. Inspect inspection of prestressing tendons prior to stressing of post-tensioning tendons.	Periodic	SI	Table 1705A.3 Item 10, 1910A.3, 1910A.3.4, 1910A.3.5, 1910A.3.6, 1910A.3.7, 1910A.3.8, 1910A.3.9, 1910A.3.10, 1910A.3.11, 1910A.3.12, 1910A.3.13, 1910A.3.14, 1910A.3.15, 1910A.3.16, 1910A.3.17, 1910A.3.18, 1910A.3.19, 1910A.3.20, 1910A.3.21, 1910A.3.22, 1910A.3.23, 1910A.3.24, 1910A.3.25, 1910A.3.26, 1910A.3.27, 1910A.3.28, 1910A.3.29, 1910A.3.30, 1910A.3.31, 1910A.3.32, 1910A.3.33, 1910A.3.34, 1910A.3.35, 1910A.3.36, 1910A.3.37, 1910A.3.38, 1910A.3.39, 1910A.3.40, 1910A.3.41, 1910A.3.42, 1910A.3.43, 1910A.3.44, 1910A.3.45, 1910A.3.46, 1910A.3.47, 1910A.3.48, 1910A.3.49, 1910A.3.50, 1910A.3.51, 1910A.3.52, 1910A.3.53, 1910A.3.54, 1910A.3.55, 1910A.3.56, 1910A.3.57, 1910A.3.58, 1910A.3.59, 1910A.3.60, 1910A.3.61, 1910A.3.62, 1910A.3.63, 1910A.3.64, 1910A.3.65, 1910A.3.66, 1910A.3.67, 1910A.3.68, 1910A.3.69, 1910A.3.70, 1910A.3.71, 1910A.3.72, 1910A.3.73, 1910A.3.74, 1910A.3.75, 1910A.3.76, 1910A.3.77, 1910A.3.78, 1910A.3.79, 1910A.3.80, 1910A.3.81, 1910A.3.82, 1910A.3.83, 1910A.3.84, 1910A.3.85, 1910A.3.86, 1910A.3.87, 1910A.3.88, 1910A.3.89, 1910A.3.90, 1910A.3.91, 1910A.3.92, 1910A.3.93, 1910A.3.94, 1910A.3.95, 1910A.3.96, 1910A.3.97, 1910A.3.98, 1910A.3.99, 1910A.3.100, 1910A.3.101, 1910A.3.102, 1910A.3.103, 1910A.3.104, 1910A.3.105, 1910A.3.106, 1910A.3.107, 1910A.3.108, 1910A.3.109, 1910A.3.110, 1910A.3.111, 1910A.3.112, 1910A.3.113, 1910A.3.114, 1910A.3.115, 1910A.3.116, 1910A.3.117, 1910A.3.118, 1910A.3.119, 1910A.3.120, 1910A.3.121, 1910A.3.122, 1910A.3.123, 1910A.3.124, 1910A.3.125, 1910A.3.126, 1910A.3.127, 1910A.3.128, 1910A.3.129, 1910A.3.130, 1910A.3.131, 1910A.3.132, 1910A.3.133, 1910A.3.134, 1910A.3.135, 1910A.3.136, 1910A.3.137, 1910A.3.138, 1910A.3.139, 1910A.3.140, 1910A.3.141, 1910A.3.142, 1910A.3.143, 1910A.3.144, 1910A.3.145, 1910A.3.146, 1910A.3.147, 1910A.3.148, 1910A.3.149, 1910A.3.150, 1910A.3.151, 1910A.3.152, 1910A.3.153, 1910A.3.154, 1910A.3.155, 1910A.3.156, 1910A.3.157, 1910A.3.158, 1910A.3.159, 1910A.3.160, 1910A.3.161, 1910A.3.162, 1910A.3.163, 1910A.3.164, 1910A.3.165, 1910A.3.166, 1910A.3.167, 1910A.3.168, 1910A.3.169, 1910A.3.170, 1910A.3.171, 1910A.3.172, 1910A.3.173, 1910A.3.174, 1910A.3.175, 1910A.3.176, 1910A.3.177, 1910A.3.178, 1910A.3.179, 1910A.3.180, 1910A.3.181, 1910A.3.182, 1910A.3.183, 1910A.3.184, 1910A.3.185, 1910A.3.186, 1910A.3.187, 1910A.3.188, 1910A.3.189, 1910A.3.190, 1910A.3.191, 1910A.3.192, 1910A.3.193, 1910A.3.194, 1910A.3.195, 1910A.3.196, 1910A.3.197, 1910A.3.198, 1910A.3.199, 1910A.3.200, 1910A.3.201, 1910A.3.202, 1910A.3.203, 1910A.3.204, 1910A.3.205, 1910A.3.206, 1910A.3.207, 1910A.3.208, 1910A.3.209, 1910A.3.210, 1910A.3.211, 1910A.3.212, 1910A.3.213, 1910A.3.214, 1910A.3.215, 1910A.3.216, 1910A.3.217, 1910A.3.218, 1910A.3.219, 1910A.3.220, 1910A.3.221, 1910A.3.222, 1910A.3.223, 1910A.3.224, 1910A.3.225, 1910A.3.226, 1910A.3.227, 1910A.3.228, 1910A.3.229, 1910A.3.230, 1910A.3.231, 1910A.3.232, 1910A.3.233, 1910A.3.234, 1910A.3.235, 1910A.3.236, 1910A.3.237, 1910A.3.238, 1910A.3.239, 1910A.3.240, 1910A.3.241, 1910A.3.242, 1910A.3.243, 1910A.3.244, 1910A.3.245, 1910A.3.246, 1910A.3.247, 1910A.3.248, 1910A.3.249, 1910A.3.250, 1910A.3.251, 1910A.3.252, 1910A.3.253, 1910A.3.254, 1910A.3.255, 1910A.3.256, 1910A.3.257, 1910A.3.258, 1910A.3.259, 1910A.3.260, 1910A.3.261, 1910A.3.262, 1910A.3.263, 1910A.3.264, 1910A.3.265, 1910A.3.266, 1910A.3.267, 1910A.3.268, 1910A.3.269, 1910A.3.270, 1910A.3.271, 1910A.3.272, 1910A.3.273, 1910A.3.274, 1910A.3.275, 1910A.3.276, 1910A.3.277, 1910A.3.278, 1910A.3.279, 1910A.3.280, 1910A.3.281, 1910A.3.282, 1910A.3.283, 1910A.3.284, 1910A.3.285, 1910A.3.286, 1910A.3.287, 1910A.3.288, 1910A.3.289, 1910A.3.290, 1910A.3.291, 1910A.3.292, 1910A.3.293, 1910A.3.294, 1910A.3.295, 1910A.3.296, 1910A.3.297, 1910A.3.298, 1910A.3.299, 1910A.3.300, 1910A.3.301, 1910A.3.302, 1910A.3.303, 1910A.3.304, 1910A.3.305, 1910A.3.306, 1910A.3.307, 1910A.3.308, 1910A.3.309, 1910A.3.310, 1910A.3.311, 1910A.3.312, 1910A.3.313, 1910A.3.314, 1910A.3.315, 1910A.3.316, 1910A.3.317, 1910A.3.318, 1910A.3.319, 1910A.3.320, 1910A.3.321, 1910A.3.322, 1910A.3.323, 1910A.3.324, 1910A.3.325, 1910A.3.326, 1910A.3.327, 1910A.3.328, 1910A.3.329, 1910A.3.330, 1910A.3.331, 1910A.3.332, 1910A.3.333, 1910A.3.334, 1910A.3.335, 1910A.3.336, 1910A.3.337, 1910A.3.338, 1910A.3.339, 1910A.3.340, 1910A.3.341, 1910A.3.342, 1910A.3.343, 1910A.3.344, 1910A.3.345, 1910A.3.346, 1910A.3.347, 1910A.3.348, 1910A.3.349, 1910A.3.350, 1910A.3.351, 1910A.3.352, 1910A.3.353, 1910A.3.354, 1910A.3.355, 1910A.3.356, 1910A.3.357, 1910A.3.358, 1910A.3.359, 1910A.3.360, 1910A.3.361, 1910A.3.362, 1910A.3.363, 1910A.3.364, 1910A.3.365, 1910A.3.366, 1910A.3.367, 1910A.3.368, 1910A.3.369, 1910A.3.370, 1910A.3.371, 1910A.3.372, 1910A.3.373, 1910A.3.374, 1910A.3.375, 1910A.3.376, 1910A.3.377, 1910A.3.378, 1910A.3.379, 1910A.3.380, 1910A.3.381, 1910A.3.382, 1910A.3.383, 1910A.3.384, 1910A.3.385, 1910A.3.386, 1910A.3.387, 1910A.3.388, 1910A.3.389, 1910A.3.390, 1910A.3.391, 1910A.3.392, 1910A.3.393, 1910A.3.394, 1910A.3.395, 1910A.3.396, 1910A.3.397, 1910A.3.398, 1910A.3.399, 1910A.3.400, 1910A.3.401, 1910A.3.402, 1910A.3.403, 1910A.3.404, 1910A.3.405, 1910A.3.406, 1910A.3.407, 1910A.3.408, 1910A.3.409, 1910A.3.410, 1910A.3.411, 1910A.3.412, 1910A.3.413, 1910A.3.414, 1910A.3.415, 1910A.3.416, 1910A.3.417, 1910A.3.418, 1910A.3.419, 1910A.3.420, 1910A.3.421, 1910A.3.422, 1910A.3.423, 1910A.3.424, 1910A.3.425, 1910A.3.426, 1910A.3.427, 1910A.3.428, 1910A.3.429, 1910A.3.430, 1910A.3.431, 1910A.3.432, 1910A.3.433, 1910A.3.434, 1910A.3.435, 1910A.3.436, 1910A.3.437, 1910A.3.438, 1910A.3.439, 1910A.3.440, 1910A.3.441, 1910A.3.442, 1910A.3.443, 1910A.3.444, 1910A.3.445, 1910A.3.446, 1910A.3.447, 1910A.3.448, 1910A.3.449, 1910A.3.450, 1910A.3.451, 1910A.3.452, 1910A.3.453, 1910A.3.454, 1910A.3.455, 1910A.3.456, 1910A.3.457, 1910A.3.458, 1910A.3.459, 1910A.3.460, 1910A.3.461, 1910A.3.462, 1910A.3.463, 1910A.3.464, 1910A.3.465, 1910A.3.466, 1910A.3.467, 1910A.3.468, 1910A.3.469, 1910A.3.470, 1910A.3.471, 1910A.3.472, 1910A.3.473, 1910A.3.474, 1910A.3.475, 1910A.3.476, 1910A.3.477, 1910A.3.478, 1910A.3.479, 1910A.3.480, 1910A.3.481, 1910A.3.482, 1910A.3.483, 1910A.3.484, 1910A.3.485, 1910A.3.486, 1910A.3.487, 1910A.3.488, 1910A.3.489, 1910A.3.490, 1910A.3.491, 1910A.3.492, 1910A.3.493, 1910A.3.494, 1910A.3.495, 1910A.3.496, 1910A.3.497, 1910A.3.498, 1910A.3.499, 1910A.3.500, 1910A.3.501, 1910A.3.502, 1910A.3.503, 1910A.3.504, 1910A.3.505, 1910A.3.506, 1910A.3.507, 1910A.3.508, 1910A.3.509, 1910A.3.510, 1910A.3.511, 1910A.3.512, 1910A.3.513, 1910A.3.514, 1910A.3.515, 1910A.3.516, 1910A.3.517, 1910A.3.518, 1910A.3.519, 1910A.3.520, 1910A.3.521, 1910A.3.522, 1910A.3.523, 1910A.3.524, 1910A.3.525, 1910A.3.526, 1910A.3.527, 1910A.3.528, 1910A.3.529, 1910A.3.530, 1910A.3.531, 1910A.3.532, 1910A.3.533, 1910A.3.534, 1910A.3.535, 1910A.3.536, 1910A.3.537, 1910A.3.538, 1910A.3.539, 1910A.3.540, 1910A.3.541, 1910A.3.542, 1910A.3.543, 1910A.3.544, 1910A.3.545, 1910A.3.546, 1910A.3.547, 1910A.3.548, 1910A.3.549, 1910A.3.550, 1910A.3.551, 1910A.3.552, 1910A.3.553, 1910A.3.554, 1910A.3.555, 1910A.3.556, 1910A.3.557, 1910A.3.558, 1910A.3.559, 1910A.3.560, 1910A.3.561, 1910A.3.562, 1910A.3.563, 1910A.3.564, 1910A.3.565, 1910A.3.566, 1910A.3.567, 1910A.3.568, 1910A.3.569, 1910A.3.570, 1910A.3.571, 1910A.3.572, 1910A.3.573, 1910A.3.574, 1910A.3.575, 1910A.3.576, 1910A.3.577, 1910A.3.578, 1910A.3.579, 1910A.3.580, 1910A.3.581, 1910A.3.582, 1910A.3.583, 1910A.3.584, 1910A.3.585, 1910A.3.586, 1910A.3.587, 1910A.3.588, 1910A.3.589, 1910A.3.590, 1910A.3.591, 1910A.3.592, 1910A.3.593, 1910A.3.594, 1910A.3.595, 1910A.3.596, 1910A.3.597, 1910A.3.598, 1910A.3.599, 1910A.3.600, 1910A.3.601, 1910A.3.602, 1910A.3.603, 1910A.3.604, 1910A.3.605, 1910A.3.606, 1910A.3.607, 1910A.3.608, 1910A.3.609, 1910A.3.610, 1910A.3.611, 1910A.3.612, 1910A.3.613, 1910A.3.614, 1910A.3.615, 1910A.3.616, 1910A.3.617, 1910A.3.618, 1910A.3.619, 1910A.3.620, 1910A.3.621, 1910A.3.622, 1910A.3.623, 1910A.3.624, 1910A.3.625, 1910A.3.626, 1910A.3.627, 1910A.3.628, 1910A.3.629, 1910A.3.630, 1910A.3.631, 1910A.3.632, 1910A.3.633, 1910A.3.634, 1910A.3.635, 1910A.3.636, 1910A.3.637, 1910A.3.638, 1910A.3.639, 1910A.3.640, 1910A.3.641, 1910A.3.642, 1910A.3.643, 1910A.3.644, 1910A.3.645, 1910A.3.646, 1910A.3.647, 1910A.3.648, 1910A.3.649, 1910A.3.650, 1910A.3.651, 1910A.3.652, 1910A.3.653, 1910A.3.654, 1910A.3.655, 1910A.3.656, 1910A.3.657, 1910A.3.658, 1910A.3.659, 1910A.3.660, 1910A.3.661, 1910A.3.662, 1910A.3.663, 1910A.3.664, 1910A.3.665, 1910A.3.666, 1910A.3.667, 1910A.3.668, 1910A.3.669, 1910A.3.670, 1910A.3.671, 1910A.3.672, 1910A.3.673, 1910A.3.674, 1910A.3.675, 1910A.3.676, 1910A.3.677, 1910A.3.678, 1910A.3.679, 1910A.3.680, 1910A.3.681, 1910A.3.682, 1910A.3.683, 1910A.3.684, 1910A.3.685, 1910A.3.686, 1910A.3.687, 1910A.3.688, 1910A.3.689, 1910A.3.690, 1910A.3.691, 1910A.3.692, 1910A.3.693, 1910A.3.694, 1910A.3.695, 1910A.3.696, 1910A.3.697, 1910A.3.698, 1910A.3.699, 1910A.3.700, 1910A.3.701, 1910A.3.702, 1910A.3.703, 1910A.3.704, 1910A.3.705, 1910A.3.706, 1910A.3.707, 1910A.3.708, 1910A.3.709, 1910A.3.710, 1910A.3.711, 1910A.3.712, 1910A.3.713, 1910A.3.714, 1910A.3.715, 1910A.3.716, 1910A.3.717, 1910A.3.718, 1910A.3.719, 1910A.3.720, 1910A.3.721, 1910A.3.722, 1910A.3.723, 1910A.3.724, 1910A.3.725, 1910A.3.726, 1910A.3.727, 1910A.3.728, 1910A.3.729, 1910A.3.730, 1910A.3.731, 1910A.3.732, 1910A.3.733, 1910A.3.734, 1910A.3.735, 1910A.3.736, 1910A.3.737, 1910A.3.738, 1910A.3.739, 1910A.3.740, 1910A.3.741, 1910A.3.742, 1910A.3.743, 1910A.3.744, 1910A.3.745, 1910A.3.746, 1910A.3.747, 1910A.3.748, 1910A.3.749, 1910A.3.750, 1910A.3.751, 1910A.3.752, 1910A.3.753, 1910A.3.754, 1910A.3.755, 1910A.3.756, 1910A.3.757, 1910A.3.758, 1910A.3.759, 1910A.3.760, 1910A.3.761, 1910A.3.762, 1910A.3.763, 1910A.3.764, 1910A.3.765, 1910A.3.766, 1910A.3.767, 1910A.3.768, 1910A.3.769, 1910A.3.770, 1910A.3.771, 1910A.3.772, 1910A.3.773, 1910A.3.774, 1910A.3.775, 1910A.3.776, 1910A.3.777, 1910A.3.778, 1910A.3.779, 1910A.3.780, 1910A.3.781, 1910A.3.782, 1910A.3.783, 1910A.3.784, 1910A.3.785, 1910A.3.786, 1910A.3.787, 1910A.3.788, 1910A.3.789, 1910A.3.790, 1910A.3.791, 1910A.3.792, 1910A.3.793, 1910A.3.794, 1910A.3.795, 1910A.3.796, 1910A.3.797, 1910A.3.798, 1910A.3.799, 1910A.3.800, 1910A.3.801, 1910A.3.802, 1910A.3.803, 1910A.3.804, 1910A.3.805, 1910A.3.806, 1910A.3.807, 1910A.3.808, 1910A.3.809, 1910A.3.810, 1910A.3.811, 1910A.3.812, 1910A.3.813, 1910A.3.814, 1910A.3.815, 1910A.3.816, 1910A.3.817, 1910A.3.818, 1910A.3.819, 1910A.3.820, 1910A.3.821, 1910A.3.822, 1910A.3.823, 1910A.3.824, 1910A.3.825, 1910A.3.826, 1910A.3.827, 1910A.3.828, 1910A.3.829, 1910A.3.830, 1910A.3.831, 1910A.3.832, 1910A.3.833, 1910A.3.834, 1910A.3.835, 1910A.3.836, 1910A.3.837, 1910A.3.838, 1910A.3.839, 1910A.3.840, 1910A.3.841, 1910A.3.842, 1910A.3.843, 1910A.3.844, 1910A.3.845, 1910A.3.846, 1910A.3.847, 1910A.3.848, 1910A.3.849, 1910A.3.850, 1910A.3.851, 1910A.3.852, 1910A.3.853, 1910A.3.854, 1910A.3.855, 1910A.3.856, 1910A.3.857, 1910A.3.858, 1910A.3.859, 1910A.3.860, 191

WILDLAND URBAN INTERFACE REQUIREMENTS	
<p>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.</p>	
<p>CHAPTER 7A REQUIREMENTS:</p>	
<p><u>705A ROOFING</u></p>	
<p>705A.1 - ROOF SHALL BE CLASS 'A'.</p>	
<p>705A.2 - NOT APPLICABLE. NO VOIDS OCCUR. ROOF IS APPLIED DIRECTLY.</p>	
<p>705A.3 - NOT APPLICABLE. NO VALLEYS OCCUR.</p>	
<p>705A.4 - LEAF GUARDS/COVERS SHALL BE PROVIDED AT ALL GUTTERS.</p>	
<p><u>706A VENTS</u></p>	
<p>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".</p>	
<p>706A.3 - THE SOFFIT VENTS SHALL BE VULCAN TECHNOLOGIES MODEL #V10R VSC SOFFIT VENT COVERS (PER CASFM LISTING 8165-2192-0100).</p>	
<p><u>707A EXTERIOR COVERINGS</u></p>	
<p>707A.3 - EXTERIOR WALL FINISH SHALL BE PLASTER (NON-COMBUSTIBLE) OVER 1/2" OSB OVER STUDS <u>OR</u> 19/32" DURATEMP SIDING OVER STUDS (PER SFM LISTING# 8140-2031-0004).</p>	
<p>707A.4 - NOT APPLICABLE. NO OPEN ROOF EAVES OCCUR.</p>	
<p>707A.5 - SOFFIT FINISH SHALL BE PLASTER (NON-COMBUSTIBLE) OVER FRAMING <u>OR</u> ALUMINA FIBER-CEMENT PANELS (NON-COMBUSTIBLE) (PER ESR-1068).</p>	
<p>707A.6 - NOT APPLICABLE. DOES NOT OCCUR.</p>	
<p>707A.7 - NOT APPLICABLE. DOES NOT OCCUR.</p>	
<p>707A.8 - NOT APPLICABLE. DOES NOT OCCUR.</p>	
<p>707A.9 - NOT APPLICABLE. DOES NOT OCCUR.</p>	
<p><u>708A EXTERIOR DOORS AND WINDOWS</u></p>	
<p>708A.2 - NOT APPLICABLE. DOES NOT OCCUR.</p>	
<p>708A.3 - EXTERIOR DOORS AND FRAMES ARE NON-COMBUSTIBLE (HOLLOW METAL).</p>	
<p>708A.4 - NOT APPLICABLE.</p>	
<p><u>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).</u></p>	
<p>709A.1 - NOT APPLICABLE.</p>	

71A - NOT APPLICABLE.

[illegible]

ANOD:	CLEAR ANODIZED ALUMINUM FRAME	NOTES:
DP:	3/16" MINIMUM DUAL PANE TEMPERED GLASS OF SOLAR GRAY - 3/16" ENERGYSHIELD	1. ALL OPERABLE SASH SHALL HAVE SCREENS.
T:	TEMPERED GLASS	2. TEMPORARY NFRC LABELS SHALL STAY ON WINDOWS UNTIL PROJECT SPECTOR HAS VERIFIED INSTALLED FENESTRATION MATCHES WINDOW SCHEDULE ON PLAN.

The diagram includes three main parts:

- WINDOW TYPE "1"**: A side elevation of a fixed double window unit. It has a total width of 8'-0" and a height of 4'-0". Each pane is labeled "FIXED" and "T". Below the panes, it says "WINDOW TYPE '1'".
- WINDOW TYPE "2"**: A side elevation of a fixed double window unit. It has a total width of 4'-0" and a height of 4'-0". Each pane is labeled "FIXED" and "T". Below the panes, it says "WINDOW TYPE '2'".
- B1 - PLAN VIEW**: A top-down view of the window latch mechanism. It shows a handle with dimensions 4-1/4" and 4-1/16". Labels include "DOWN (LOCK)", "UP (UNLOCK)", "OPERABLE WINDOW LATCH COMPLY WITH 11B-309.4", "SCALE: N.T.S.", "WINDOW SASH W/ PROJECTING FIN TYPE HANDLE", "2-1/2\" H/C", "UNLOCK", "LOCK", "PART NO.: SP2203 MANUF.: IWC".

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.

DOOR NO	WIDTH	HEIGHT	DOOR TYPE	QTY	DOOR MATERIAL	FINISH	HARDWARE SET	LOCKABLE FROM INT.	NOTES*
①	3'-0"	7'-0"	A		HM	0.2M	HW - 1	YES	
①P	3'-0"	7'-0"	A1		H	1	KD HW - 2	YES	
②	3'-0"	7'-0"	A				HW - 3	NO	
③	3'-0"	7'-0"	B				KD HW - 4	NO	
④	3'-0"	7'-0"	B		A		KD HW - 5	NO	NO CLOSER REQ'D.
⑤	2'-0"	7'-0"	C		HM		KD HW - 6	NO	

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

7'-0"

40"

3'-0"

10"

DOOR TYPE "A"

7'-0"

40"

3'-0"

10"

DOOR TYPE "A1"

7'-0"

40"

3'-0"

10"

DOOR TYPE "B"

7'-0"

40"

2'-0"

10"

DOOR TYPE "C"

SEE PROJECT

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 REVERS 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 1010.1.10
8. ALL HAND-ACTIVATED HARDWARE SHALL BE LEVER TYPE, PANIC BARS, PUSH/PULL TYPE OR L-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.

[illegible]

<u>FLOORING</u>	
CARP:	CARPET PER STAT. / MIN. SPECIFICATIONS COMPLYING WITH GROUP 1; TYPE "A" OR TYPE "B"; CLASS 1; 3/16" THICK; 4800; DIRECT GLUE DOWN
SV:	SHEET VINYL / 3/16" THICK; FULLY SEALED JOINTS
VCT:	VINYL COMPOSITE / 3/16" THICK; FULLY SEALED JOINTS
<u>BASE</u>	
4" TS:	4" TOP SET BASE
6" TS:	6" TOP SET BASE
SC:	6" SELF-COMB BASE, CONTINUE FLOOR MATERIAL UP THE WALL PER 10/A-5.70
<u>WALLS</u>	
TACK:	1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYPSUM BOARD BACKING
FRP:	1/8" FIBER REINFORCED PAPEL OVER 1/2" WATER RESISTANT GYPSUM BOARD
GYP:	1/2" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
PLY:	1/2" PLYWOOD FINISH
NF:	NO FINISH
<u>CEILING</u>	
GP:	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)

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

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

INSULATION SPECIFICATIONS

MOISTURE PROTECTION INSULATION:

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

MATERIAL:

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

INSULATING MATERIAL FOR ROOFS SHALL BE CLOSED CELL SPRAY FOAM AND SHALL COMPLY WITH CBC 720.1, 720.2, 720.3, 720.5 AND 720.7. INSULATION SHALL HAVE A MINIMUM R-VALUE OF R-6 PER EACH INCH OF THICKNESS, AN AIR PERMEANCE RATE OF NOT MORE THAN 0.02 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.)

- ☐ R-13 (4" WALL @ UNCONDITIONED RESTROOM MODULE ONLY)
- ☒ R-19 (6" WALL)
- ☐ R-30 (8" WALL)

~~STEEL STUD EXTERIOR WALL INSULATION (MIN.)~~

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

INTERIOR WALL INSULATION (MIN.)

R-13

FLOOR INSULATION

- ☒ NONE (CONCRETE MASS)
- ☐ R-11 (MIN) + CONCRETE MASS
- ☐ R-19 (MIN)

ROOF INSULATION (MIN.)

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

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

REVISIONS	
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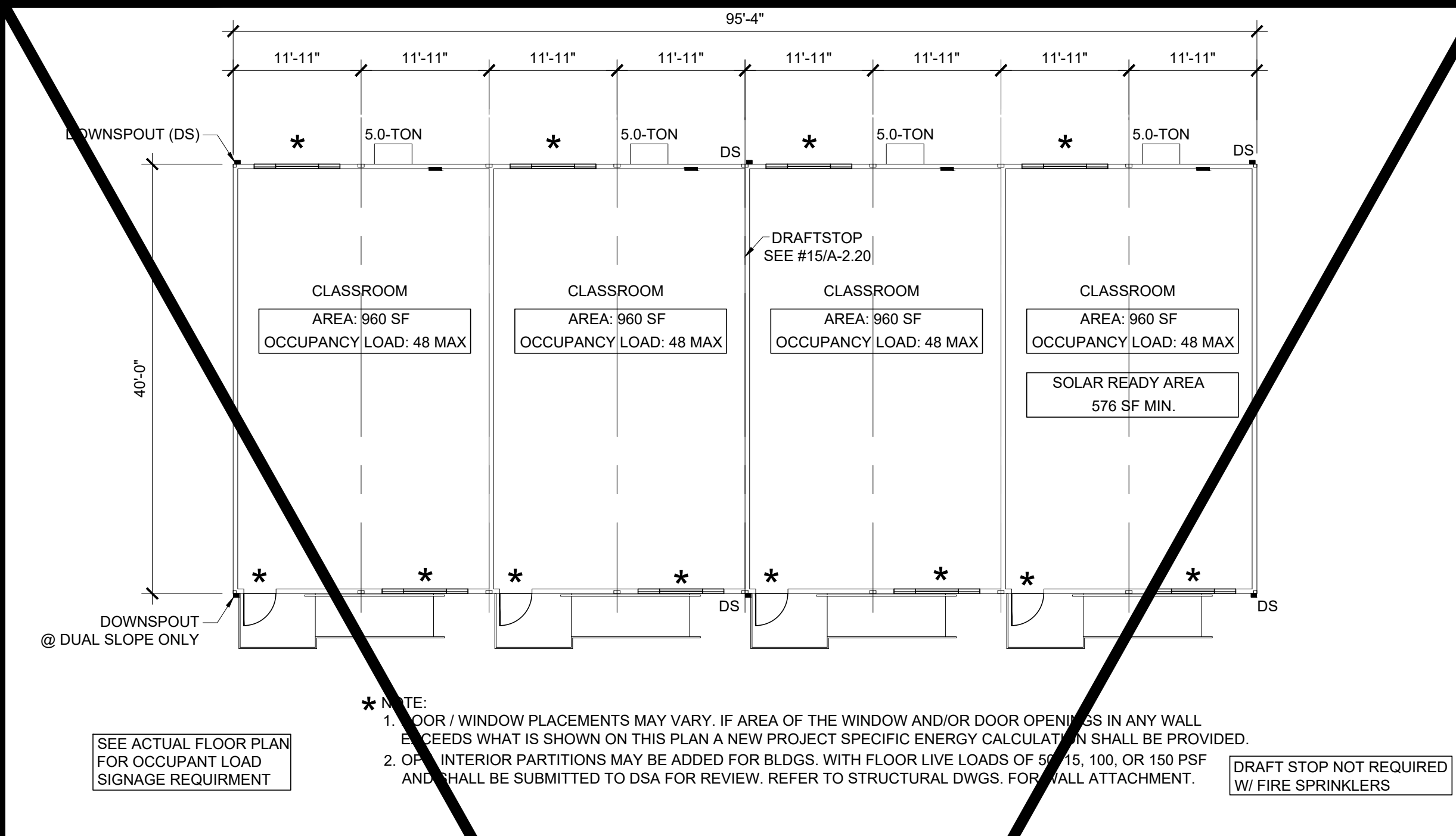


Silver Creek

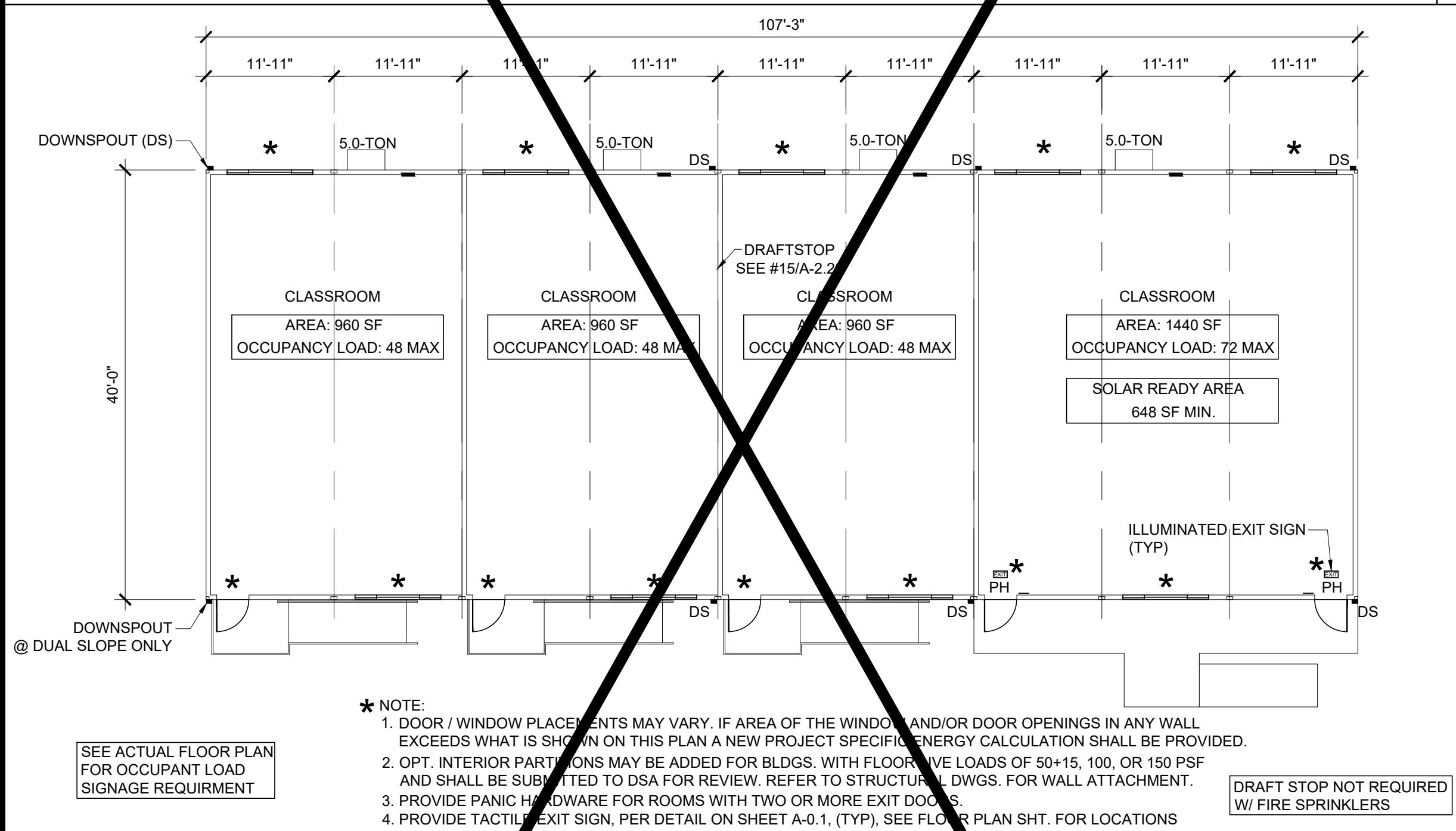
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

P.C. SHEET NUMBER

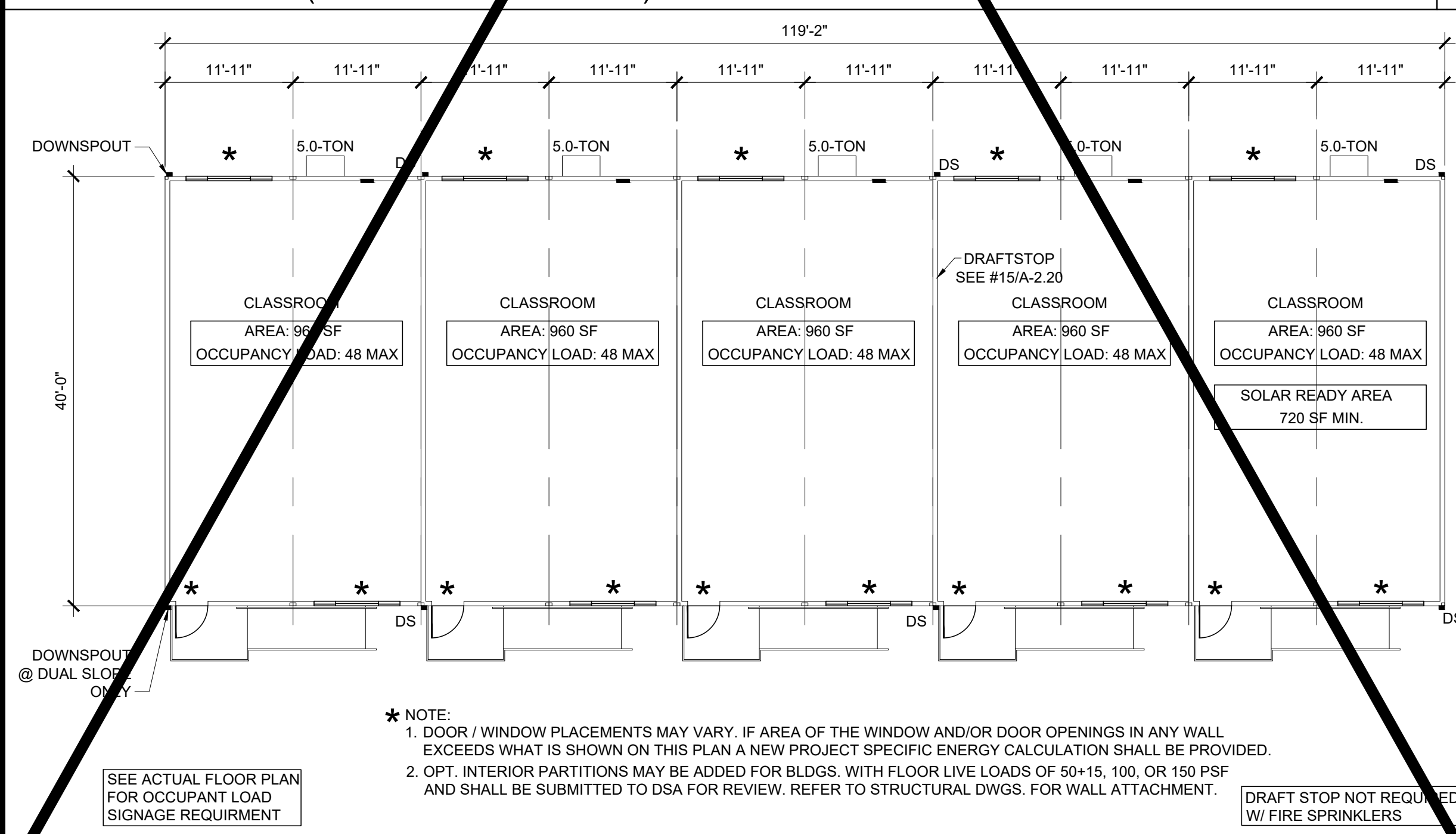
A-0.2



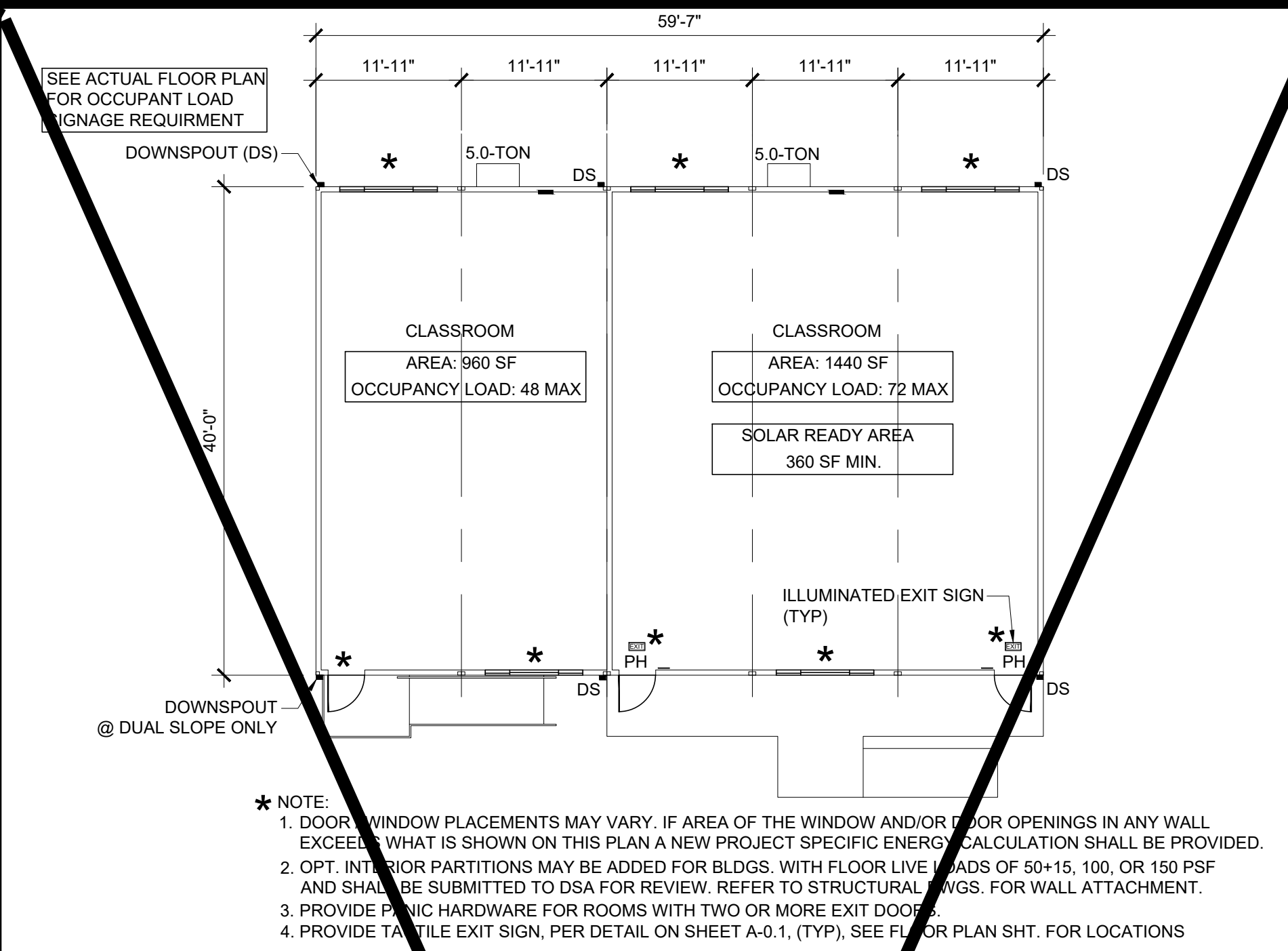
96' x 40' KEY PLAN (TOTAL AREA - 3840 SF) SCALE: 3/32" = 1' - 0"



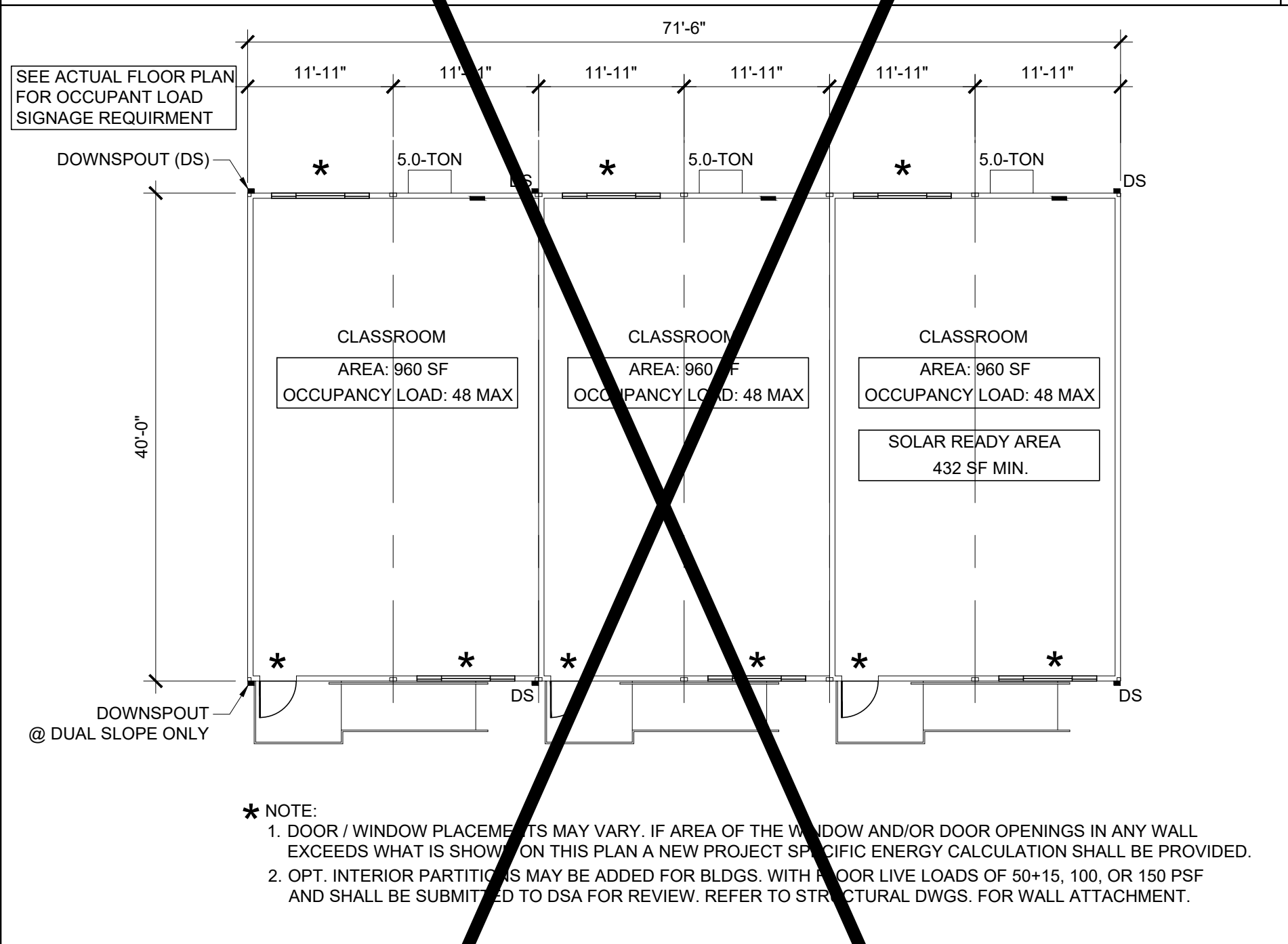
108' x 40' KEY PLAN (TOTAL AREA - 4320 SF) SCALE: 3/32" = 1' - 0"



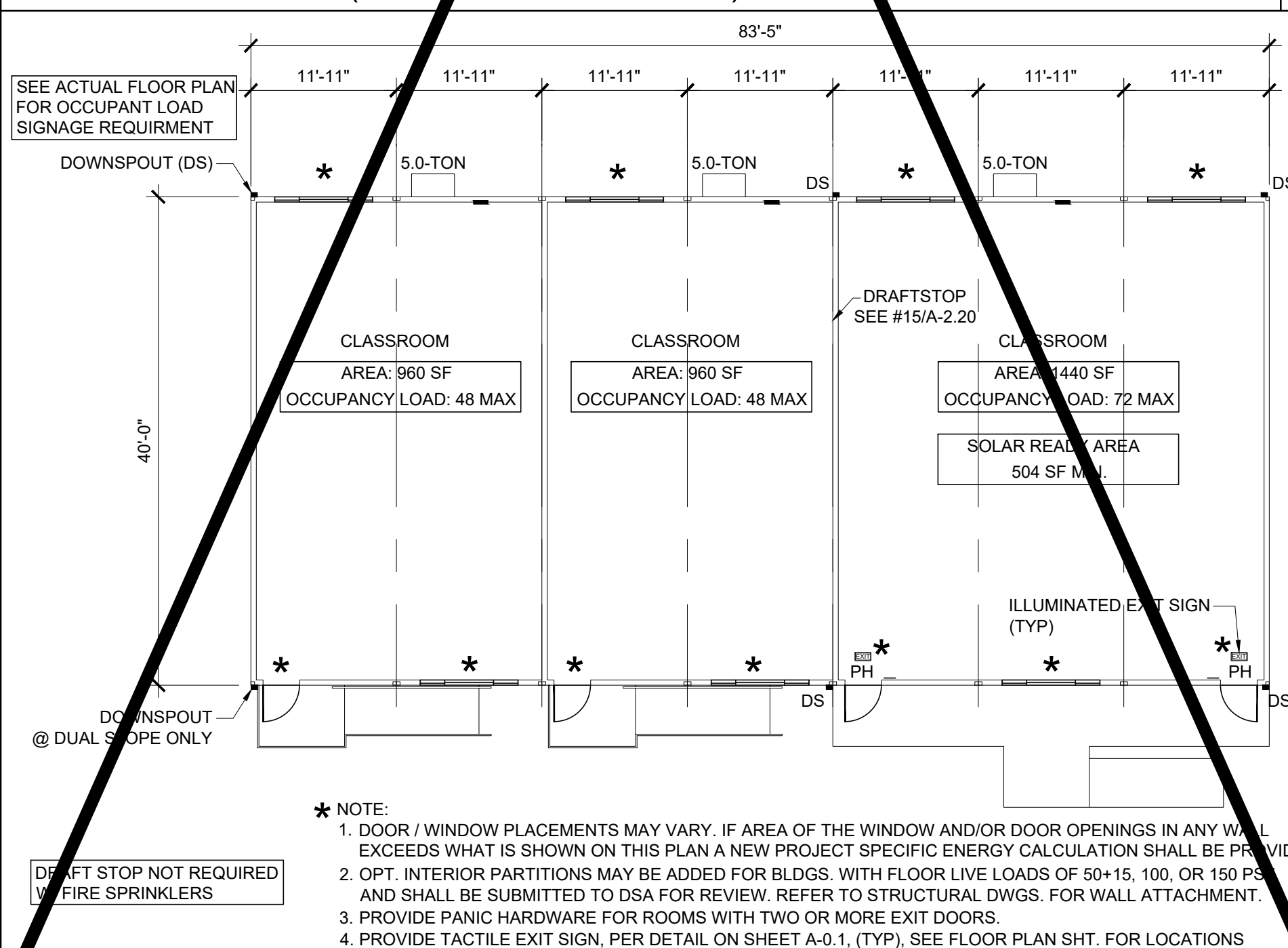
120' x 40' KEY PLAN (TOTAL AREA - 4800 SF) SCALE: 3/32" = 1' - 0"



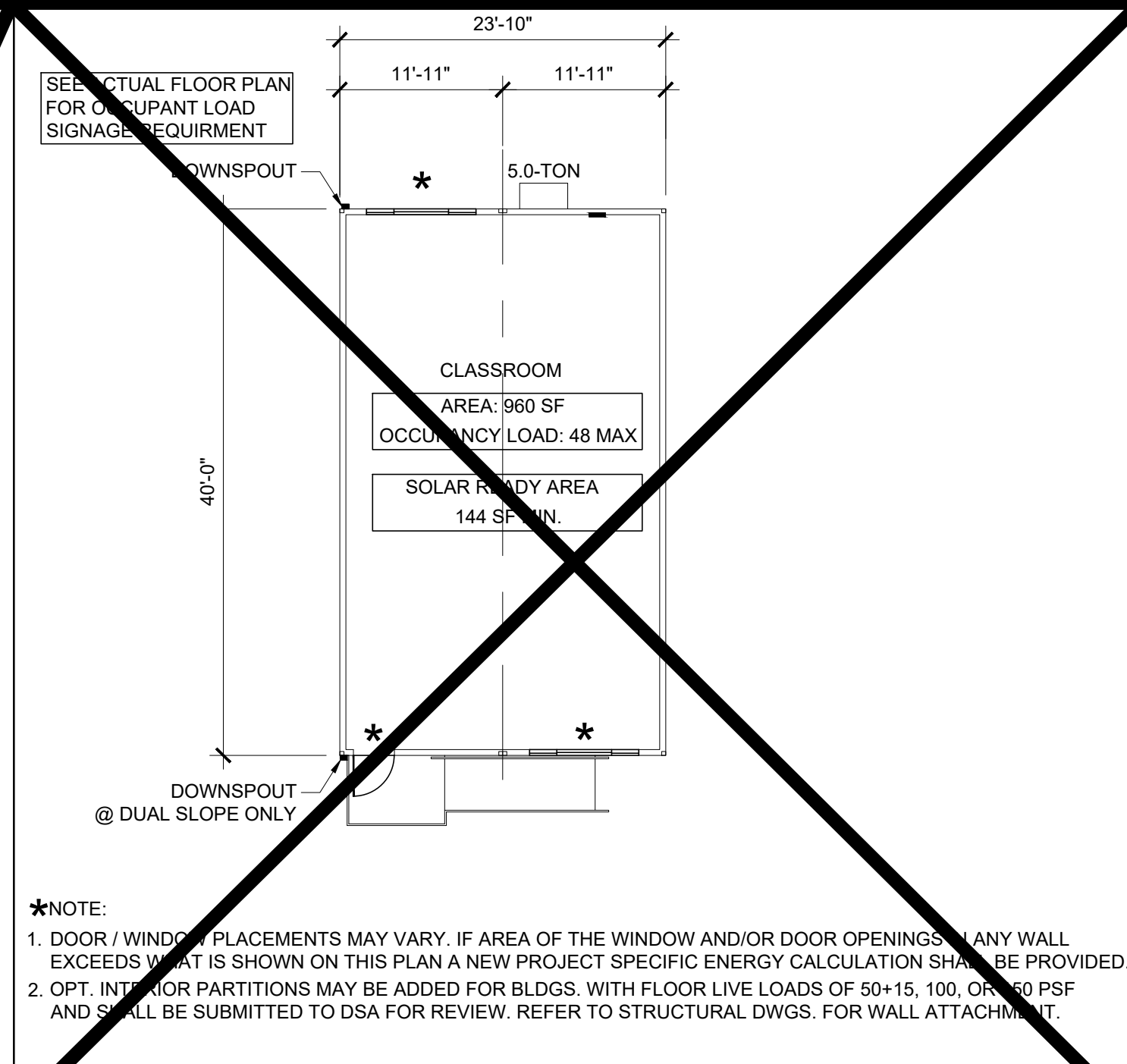
60' x 40' KEY PLAN (TOTAL AREA - 2400 SF) SCALE: 3/32" = 1' - 0"



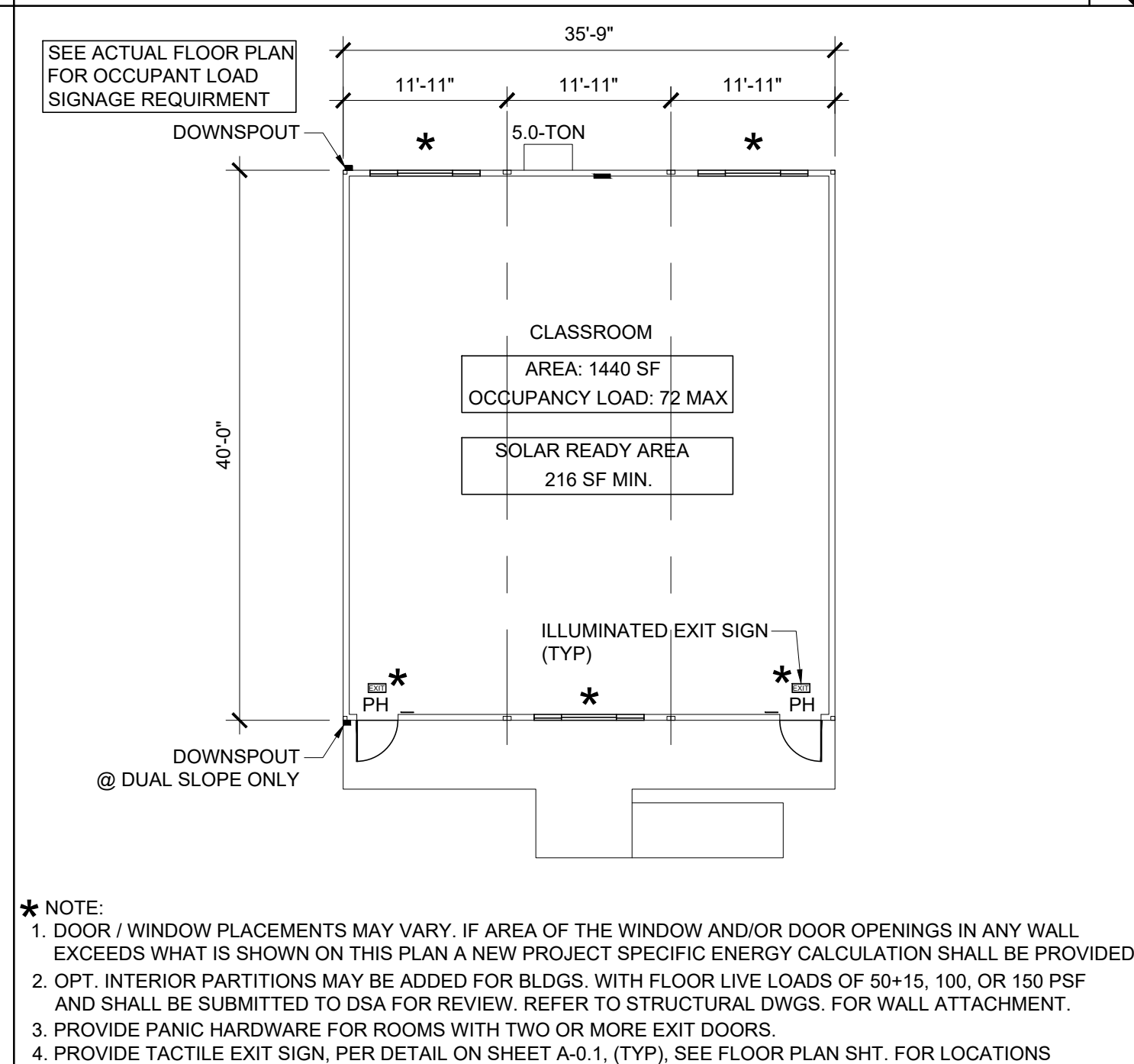
72' x 40' KEY PLAN (TOTAL AREA - 2880 SF) SCALE: 3/32" = 1' - 0"



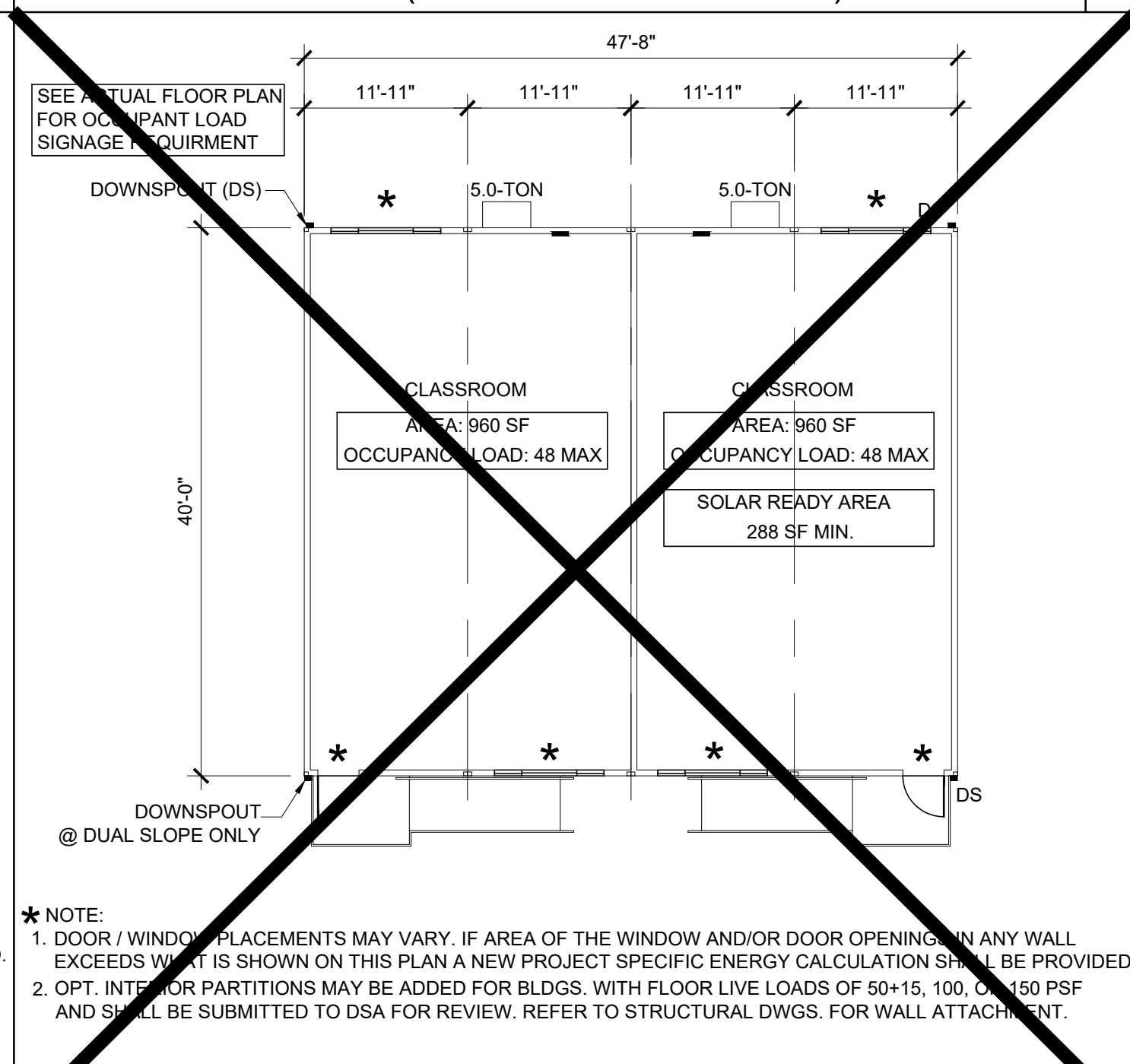
84' x 40' KEY PLAN (TOTAL AREA - 3360 SF) SCALE: 3/32" = 1' - 0"



24' x 40' KEY PLAN (TOTAL AREA - 960 SF) SCALE: 3/32" = 1' - 0"



36' x 40' KEY PLAN (TOTAL AREA - 1440 SF) SCALE: 3/32" = 1' - 0"



48' x 40' KEY PLAN (TOTAL AREA - 1920 SF) SCALE: 3/32" = 1' - 0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122742 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 02/17/2026

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:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

TYPICAL KEY PLANS
24' - 120' x 40'

REVISIONS

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PRE-CHECK (PC) DOCUMENT

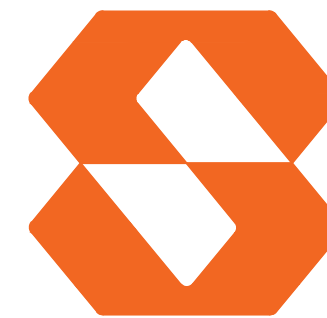
CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION

FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121999 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/31/2023

PC STATE AGENCY APPROVAL



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES

24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-0.3

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

<div> <div></div> <div>24x40</div> </div> <div>(1) 5-ton unit</div>						
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%

<div> <div>  36x40 </div> <div> (1) 5-ton unit </div> </div>						
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

<div> <div></div> <div>48x40</div> <div>(2) 5-ton units</div> </div>	
<div>(2) 24x40 CLASSROOMS</div>	

	<div style="text-align: center;"><div>□ 60x40</div><div>(2) 5-ton units</div></div>
	<div style="text-align: center;">(1) 24x40 CLASSROOM + (1) 36x40 CLASSROOM</div>

□ **72x40**
(3) 5-ton units

(3) 24x40 CLASSROOMS

<div> <div></div> <div>84x40</div> <div>(3) 5-ton units</div> </div>
<div> <div>(2) 24x40 CLASSROOMS +</div> <div>(1) 36x40 CLASSROOM</div> </div>

<div> <div> <div></div> <div>96x40</div> <div>(4) 5-ton units</div> </div> </div>
<div>(4) 24x40 CLASSROOMS</div>

<div> <div> ☐ </div> <div> 108x40 (4) 5-ton units </div> </div>
<div> <div> (3) 24x40 CLASSROOMS + (1) 36x40 CLASSROOM </div> </div>

<div> <div> <div></div> <div>120x40</div> <div>(5) 5-ton units</div> </div> </div>
<div>(5) 24x40 CLASSROOMS</div>

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

X	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)		
	STANDARD	OPTIONAL

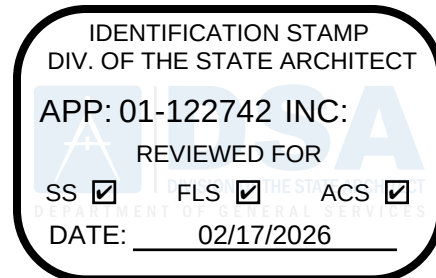
LEGEND

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



PROJECT SPECIFIC STATE AGENCY APPROVAL

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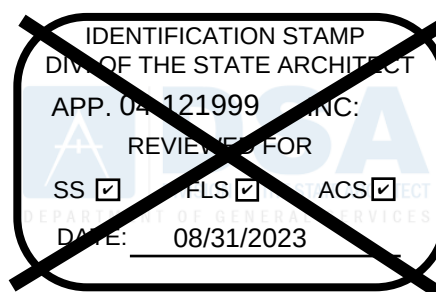
PROJECT NAME:
S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

DESIGN ENERGY VALUES
CONC FLOOR - WALL HVA

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-0.51

DESIGN ENERGY VALUES BY BUILDING SIZE - CONC FLOOR - WALL HVAC

ENERGY SPECS

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
Nonresidential Performance Compliance Method					(Page 1 of 18)
Project Name: 04-121999 - 36x40 - WD FLR - WALL HVAC Date Prepared: 2023-07-18					
A. General Information					
1 Project Name	04-121999 - 36x40 - WD FLR - WALL HVAC				
2 Run Title					
3 Project Location	specify				
4 City	specify	5 Standards Version	Compliance 2022		
6 Zip code	90066	7 Compliance Software (version)	CHECK 2022.2.1.91 (1298)		
8 Climate Zone	16	9 Building Orientation (deg)	165		
10 Building Type(s)	Relocation Public School Building for use in all climate zones Occupancy: E	11 Weather File	BLUE CANYON_STY20.pw		
12 Project Scope	* New complete scope	13 Number of Dwelling Units	0		
14 Total Conditioned Floor Area in Scope (SF)	1440	15 Total # of habitable rooms	0		
16 Total Unconditioned Floor Area (SF)		17 Fuel Type	Natural gas		
18 Nonresidential Conditioned Floor Area	1440	19 Total # of Stories (Habitable Above Grade)	1		
20 Residential Conditioned Floor Area	0				

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2023.0.000 Schema Version: rev 20220601 Report Generated: 2023-07-18 07:45:14

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
Nonresidential Performance Compliance Method					(Page 2 of 18)
B. PROJECT SUMMARY					
Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within the permit application.					
Building Components Complying via Performance					
Envelope (See Table E)	Norms	Performance	Solar Thermal Water Heating (See Table D)	☐ Performance ☐ Not Included	
Mechanical (See Table H)	MultiFam	Not Included	Covered Process: Commercial Kitchens (See Table I)	☐ Performance ☐ Not Included	
Domestic Hot Water (See Table J)	Norms	Not Included	Covered Process: Laboratory Exhaust (See Table I)	☐ Performance ☐ Not Included	
Lighting (Indoor Conditioned, see Table K)	MultiFam	Not Included	Photovoltaics (See Table F)	☐ Performance ☐ Not Included	
Battery (see Table F)				☐ Not Included	

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
Nonresidential Performance Compliance Method					(Page 3 of 18)
C1. COMPLIANCE SUMMARY					
COMPLIES ¹					
Time Dependent Valuation (TDV)					
Efficiency (kBtu/ft ² - yr)					
Standard Design	302.79	302.79	52.07		
Proposed Design	229.24	229.24	31.25		
Compliance Margin	63.49	63.49	19.06		
Pass					Pass
Footnotes: ¹ Efficiency measures include improvements like a better building envelope and more efficient equipment. ² Compliance Totals include efficiency, photovoltaics and batteries. ³ Building compliance when efficiency and total compliance margins are greater than or equal to zero and cannot load four limits are not exceeded.					

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
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C2. TUV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TUV Energy Use, kWh/ft ² / yr)					
COMPLIES ¹					
Energy Component					
Space Heating	60.15	58.26	38.11		
Space Cooling	17.95	17.18	0.77		
Indoor Fans	163.12	71.34	91.78		
Heat Rejection	0	0	0		
Pumps & Misc.	0	0	0		
Domestic Hot Water	30.46	30.46	0		
Indoor Lighting	31.05	22	9.05		
Flexibility	---	---	---		
EFFICIENCY COMPLIANCE TOTAL	302.79	229.24	63.49 (21%)		
Photovoltaics	---	---	---		
Batteries	---	---	---		
TOTAL COMPLIANCE	366.79	259.68	63.49 (21%)		
Footnotes: 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: 2023.0.000 Schema Version: rev 20220601 Report Generated: 2023-07-18 07:45:14

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
Nonresidential Performance Compliance Method					(Page 5 of 18)
C3. TUV ENERGY RESULTS FOR NON-REGULATED COMPONENTS ¹					
Non-Regulated Energy Component					
Receptacle	63.66	63.66	---		
Process	---	---	---		
Other Lig	---	---	---		
Process Motors	---	---	---		
TOTAL TUV COMPLIANCE - NON-REGULATED COMPONENTS	366.39	366.39	63.49 (17.3%)		
Footnotes: ¹ Notes: This table is not used for Energy Code Compliance.					

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
Nonresidential Performance Compliance Method					(Page 6 of 18)
C4. SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual Source Energy Use, kWh/ft ² / yr)					
COMPLIES ¹					
Energy Component					
Space Heating	13.06	9.93	9.13		
Space Cooling	1.21	1.14	0.97		
Indoor Fans	16.26	7.15	9.13		
Heat Rejection	0	0	0		
Pumps & Misc.	0	0	0		
Domestic Hot Water	10.97	10.97	0		
Indoor Lighting	2.57	1.82	0.75		
Flexibility	---	---	---		
EFFICIENCY COMPLIANCE TOTAL	50.07	31.61	19.06 (38.1%)		
Photovoltaics	---	---	---		
Batteries	---	---	---		
TOTAL COMPLIANCE	50.07	31.61	19.06 (38.1%)		
Footnotes: 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 7 of 18)
C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS ¹					
Non-Regulated Energy Component					
Receptacle	4.92	4.92	---		
Process	---	---	---		
Other Lig	---	---	---		
Process Motors	---	---	---		
TOTAL TOTAL COMPLIANCE - NON-REGULATED COMPONENTS	64.99	64.99	19.06 (34.7%)		
Footnotes: ¹ Notes: This table is not used for Energy Code Compliance.					

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
Nonresidential Performance Compliance Method					(Page 8 of 18)
C7. ENERGY USE SUMMARY					
Energy Component					
Standard Design Site (TDV)	Proposed Design Site (TDV)	Margin (TDV)	Standard Design Site (TDV)	Proposed Design Site (TDV)	Margin (TDV)
Space Heating	0.2	3.8	3.6	29	---
Space Cooling	1.1	1.1	0	---	---
Indoor Fans	8.2	3.6	4.6	---	---
Heat Rejection	---	---	---	---	---
Pumps & Misc.	---	---	---	---	---
Domestic Hot Water	---	---	17.2	17.2	0
Indoor Lighting	1.8	1.3	0.5	---	---
Flexibility	---	---	---	---	---
PHOTOLITHOGRAPHY TOTAL	15.3	9.2	1.5	46.2	12.2
Photovoltaics	---	---	---	---	---
Batteries	---	---	---	---	---
ENERGY USE SUBTOTAL	15.3	9.2	1.5	46.2	12.2
Receptacle	3.8	3.8	0	---	---
Process	---	---	---	---	---
Other Lig	---	---	---	---	---
Process Motors	---	---	---	---	---
ENERGY USE TOTAL	19.1	13.0	1.5	46.2	29

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2023.0.000 Schema Version: rev 20220601 Report Generated: 2023-07-18 07:45:14

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
Nonresidential Performance Compliance Method					(Page 9 of 18)
C8. ENERGY USE INTENSITY (EUI)					
Standard Design (kBtu/ft ² / yr)					
GRCCS EUI ¹	67.86	44.17	23.69	34.91	
NET EUI ¹	67.86	44.17	23.69	34.91	
Footnotes: ¹ Notes: Gross EUI is Energy Use Total including PV/Thermal Building Area. Net EUI is Energy Use Total (including PV/Thermal Building Area).					
B. ADDITIONAL CONDITIONS					
* The project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylight Controls requirements are met. PRESCRIPTIVE COMPLIANCE documentation Form NRCC-17-02-E for the requirements of section 140.604 Automatic Daylighting Controls in Secondary Daylight Zones is required.					
* The building does not include service water heating. Verify that service water heating is not required and is not included in the design.					
* Project is claiming Exception 2 to Section 140.105(b). No PV system is required where the required PV system size is less than 4 kWdc.					
* Project is claiming Exception 2 to Section 140.105(b). No battery storage system is required in buildings with battery storage system requirements with less than 10 kWh rated capacity.					
* Project is claiming Exception 3 to Section 140.105(b). No battery storage system is required for tenant spaces less than or equal to 5,000 ft ² .					
C9. ENVELOPE GENERAL INFORMATION (conditioned spaces only)					
Energy Component					
OS	OS	OS	OS	OS	
Opaque Surfaces & Orientation	Total Gross Surface Area (ft ²)	Total Fenestration Area (ft ²)	Window to Wall Ratio (%)		
North-Facing ¹	378	8.47			
East-Facing ¹	640	0	0		
South-Facing ¹	414	04	15.46		
Notes: ¹ North-Facing is oriented to within 45 degrees of true north, including 45.0000° north of north (N), but excluding 45.0000° north of north (NW). ² East-Facing is oriented to within 45 degrees of true east, including 45.0000° south of east (SE), but excluding 45.0000° north of east (NE). ³ South-Facing is oriented to within 45 degrees of true south, including 45.0000° north of south (NS), but excluding 45.0000° north of north (N). ⁴ West-Facing is oriented to within 45 degrees of true west, including 45.0000° north of west (NW), but excluding 45.0000° north of north (N).					

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
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E1. ENVELOPE GENERAL INFORMATION (unconditioned spaces only)					
Energy Component					
OS	OS	OS	OS	OS	
Opaque Surfaces & Orientation	Total Gross Surface Area (ft ²)	Total Fenestration Area (ft ²)	Window to Wall Ratio (%)		
North-Facing ¹	440	0	0		
East-Facing ¹	1472	0	0		
South-Facing ¹	1440	0	0		
Notes: ¹ North-Facing is oriented to within 45 degrees of true north, including 45.0000° north of north (N), but excluding 45.0000° north of north (NW). ² East-Facing is oriented to within 45 degrees of true east, including 45.0000° south of east (SE), but excluding 45.0000° north of east (NE). ³ South-Facing is oriented to within 45 degrees of true south, including 45.0000° north of south (NS), but excluding 45.0000° north of north (N). ⁴ West-Facing is oriented to within 45 degrees of true west, including 45.0000° north of west (NW), but excluding 45.0000° north of north (N).					
E4. NONRESIDENTIAL AIR BARRIER					
OS					
Building Story Name					
BuildingStory 1		Air Barrier		Not verified	

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD					NRCC-PRF-4
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E6. OUTSIDE SURFACE ASSEMBLY SUMMARY					
Energy Component					
OS	OS	OS	OS	OS	
Surface Name	Construction Type	Area (ft ²)	Framing Type	Cavity R-Value	
SC1 FLYING	Exterior Floor	1,440	Metal	19	N/A
2nd 111 WALL	Exterior Wall	1,672	Wood	19	N/A
SC1 MT1 ROOF	Roof	1,440	Metal	30	N/A
Footnotes: ¹ Status: N - New, A - Altered, E - Existing					
E7. OUTSIDE DOOR SUMMARY					
Energy Component					
OS	OS	OS	OS	OS	
Assembly Name	Area (ft ²)	Overall U-factor	Status ¹		
SC1 - 110 110 DOOR	42	1.45	N		
Footnotes: ¹ Status: N - New, A - Altered, E - Existing					

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CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD											NRCC-PRF-4	
Nonresidential Performance Compliance Method											(Page 12 of 18)	
E7A. FENESTRATION ASSEMBLY SUMMARY (NONRESIDENTIAL)												
OS	OS	OS	OS	OS	OS	OS	OS	OS	OS	OS	OS	OS
Fenestration Assembly Name	Fenestration Type / Product Type / Frame Type	Certification Authority	Assembly Method	Overall U-factor	Overall SHGC	Overall VT	Overall U-factor	Overall VT	Overall U-factor	Overall SHGC	Overall VT	Status ¹
NRCC Fenestration Fenest												

STATE OF CALIFORNIA

Nonresidential Building Commissioning

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-CBC-E

Project Name: SILVER CREEK PC - TYPICAL CLASSROOM

Report Page: (Page 1 of 6)

Project Address: [Date Prepared: 2023-01-31T18:53:26-05:00]

A. GENERAL INFORMATION

01 Project Location (city)

Perris

04 Building Size (ft²)

960

02 Occupancy Type

Nonresidential

05 Nonresidential Conditioned Floor Area (ft²)

< 10,000 ft²

03 Project Type

Newly constructed

06 HVAC System Type

Unitary or packaged equipment each serving one zone

07 Climate Zone

10

B. PROJECT SCOPE

Based on project information provided in Table A, Table B indicates which commissioning related requirements apply per 120.8. Table B is not editable by the user.

Commissioning Requirements per 120.8

01 Table F: Design Review Kickoff

120.8(i)(1) and 120.8(i)(2)

The design review kickoff meeting establishes who will play the role of the design reviewer, the project schedule and identify owner's requirements. This meeting should be conducted during schematic design.

02 Table G: Owner's Project Requirements (OPR)

120.8(b)

This requirement does not apply.

03 Table H: Basis of Design (BOD)

120.8(c)

This requirement does not apply.

04 Table I: Design Review

120.8(d) and 120.8(e)

The design reviewer(s) reviews the construction documents for clarity, completeness, and adherence to the owner's goals. Commissioning measures must be included in the construction documents to facilitate the design review and commissioning process. For projects with >= 10,000 ft² of nonresidential conditioned floor area, the design review is for adherence with the Owner's Project Requirements (OPR) and Basis of Design (BOD). This should be conducted during design.

05 Table J: Commissioning Plan

120.8(f)

This requirement does not apply.

06 Table K: Functional Performance Testing

120.8(g)

This requirement does not apply.

07 Table L: Documentation and Training

120.8(h)

This requirement does not apply.

08 Table M: Commissioning Report

120.8(i)

This requirement does not apply.

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Schema Version: rev 20220101

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STATE OF CALIFORNIA

Nonresidential Building Commissioning

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-CBC-E

Project Name: SILVER CREEK PC - TYPICAL CLASSROOM

Report Page: (Page 2 of 6)

Project Address: [Date Prepared: 2023-01-31T18:53:26-05:00]

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with commissioning requirements per 120.8. This table is not editable by the user. If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D for guidance.

01

02

03

04

05

06

07

08

09

Design Kickoff Review

Owner's Project Requirements

Basis of Design

Design Review

Commissioning Plan

Functional Performance

Documentation and Training

Commissioning Report

Compliance Results

Table F

Table G

Table H

Table I

Table J

Table K

Table L

Table M

COMPLIES

10

Design Review(s) for the project include:

John Starlin

COMPLIES

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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STATE OF CALIFORNIA

Nonresidential Building Commissioning

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-CBC-E

Project Name: SILVER CREEK PC - TYPICAL CLASSROOM

Report Page: (Page 3 of 6)

Project Address: [Date Prepared: 2023-01-31T18:53:26-05:00]

F. DESIGN REVIEW KICKOFF MEETING

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

Design Review Kickoff Meeting Details

01 Date of Design Review Kickoff Meeting

2022-12-05

02 Meeting Attendees: (one person may play multiple roles)

03 Owner/Building Manager

Ryan McIntosh

04 Design Reviewer(s)

05 Project Manager

06 Design Architect/ Engineer(s)

John Starlin

07 Contractor

08 Certified Acceptance Test Tech(s)

09 Commissioning Provider

10 Energy/124 Part B Consultant

John Starlin

Design Reviewer Qualifications per Title 24 Part 1 Section 10-103(a)(1)

The design reviewer(s) must be licensed professional engineers or licensed architects, or licensed contractors representing services performed by or under the direct supervision of a licensed engineer or architect, as specified in the provisions of Division 3 of the Business and Professions Code.

01 In addition, for buildings with < 10,000 ft², the design reviewer(s) may be the engineer or architect of record. The design reviewer(s) may also be a qualified in-house engineer or architect with no other project involvement or a third party engineer, architect or contractor.

02 The design reviewer(s) for this project will be: John Starlin

Do the Design Reviewer(s) meet these qualifications?

Yes

No

Preliminary Construction Schedule

03 Schematic Design

2022-12-05

2022-12-05

04 Design Development

2022-12-05

2022-12-05

05 Construction Documents

2022-12-05

2023-02-28

06 Construction

2024-01-01

2024-01-01

07 Building Turnover

2024-01-01

2024-01-01

Project Goals Related to Energy Efficiency

10 Operational Costs

Code Minimum performance

11 Desired Building Lifespan

30 - 50 years.

12 Equipment Lifecycle

Industry standard.

13 Project Energy Efficiency Goals

Code Minimum performance

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

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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STATE OF CALIFORNIA

Nonresidential Building Commissioning

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-CBC-E

Project Name: SILVER CREEK PC - TYPICAL CLASSROOM

Report Page: (Page 4 of 6)

Project Address: [Date Prepared: 2023-01-31T18:53:26-05:00]

F. DESIGN REVIEW KICKOFF MEETING

10 Envelope Goals

Code minimum performance.

15 HVAC System Goals

Code minimum performance.

16 Indoor Lighting System Goals

Code minimum performance.

17 Outdoor Lighting System Goals

Code minimum performance.

18 Water Heating System Goals

Code minimum performance.

19 Equipment and System Specifications

Industry standard equipment.

20 Operations and Maintenance

No specific requirements.

G. OWNER'S PROJECT REQUIREMENTS (OPR)

This section does not apply to this project.

H. BASIS OF DESIGN (BOD)

This section does not apply to this project.

I. CONSTRUCTION DOCUMENT DESIGN REVIEW CHECKLIST

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

01 Attaching Completed Design Review Documentation?

YES

NO

Design Review Checklist

02 Envelope Design

The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.

03 HVAC System Design

The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.

04 HVAC Controls Design

The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.

05 Indoor Lighting System Design

The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.

06 Indoor Lighting Controls Design

The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.

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STATE OF CALIFORNIA

Nonresidential Building Commissioning

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-CBC-E

Project Name: SILVER CREEK PC - TYPICAL CLASSROOM

Report Page: (Page 5 of 6)

Project Address: [Date Prepared: 2023-01-31T18:53:26-05:00]

J. CONSTRUCTION DOCUMENT DESIGN REVIEW CHECKLIST

07 Outdoor Lighting System and Controls Design

The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.

08 Water Heating System Design

The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.

09 Other Systems and Features

The design represents the typical PC building design with updates (as applicable) for the 2022 code cycle.

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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STATE OF CALIFORNIA

Nonresidential Building Commissioning

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-CBC-E

Project Name: SILVER CREEK PC - TYPICAL CLASSROOM

Report Page: (Page 6 of 6)

Project Address: [Date Prepared: 2023-01-31T18:53:26-05:00]

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Ryan McIntosh

Documentation Author Signature: [Signature]

Signature Date: 02-20-2023

Company: Silver Creek Industries, LLC

Address: 2830 Barrett Ave

City/State/Zip: Perris/CA/92571

Phone: (951) 943-5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

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

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

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

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

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

Responsible Designer Name: John Starlin

Responsible Designer Signature: [Signature]

Company: Silver Creek Industries, LLC

Address: 2830 Barrett Ave

City/State/Zip: Perris/CA/92571

Phone: (951) 943-5393

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

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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STATE OF CALIFORNIA

Electrical Power Distribution

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-ELC-E

Project Name: SILVER CREEK PC - TYPICAL CLASSROOM

Report Page: (Page 1 of 4)

Project Address: [Date Prepared: 2023-01-31T18:53:58-05:00]

A. GENERAL INFORMATION

01 Project Location (city)

Perris

02 Climate Zone

10

03 Occupancy Types Within Project:

Classroom

B. PROJECT SCOPE

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

01

02

03

04

05

06

07

Electrical Service Designation/Description

Scope of Work¹

Rating² (kVA)

Utility Provided Metering System Exception to 130.5(d)(1) 130.5(d)(2) 130.5(d)(3) 130.5(d)(4) 130.5(d)(5) 130.5(d)(6) 130.5(d)(7) 130.5(d)(8) 130.5(d)(9) 130.5(d)(10) 130.5(d)(11) 130.5(d)(12) 130.5(d)(13) 130.5(d)(14) 130.5(d)(15) 130.5(d)(16) 130.5(d)(17) 130.5(d)(18) 130.5(d)(19) 130.5(d)(20) 130.5(d)(21) 130.5(d)(22) 130.5(d)(23) 130.5(d)(24) 130.5(d)(25) 130.5(d)(26) 130.5(d)(27) 130.5(d)(28) 130.5(d)(29) 130.5(d)(30) 130.5(d)(31) 130.5(d)(32) 130.5(d)(33) 130.5(d)(34) 130.5(d)(35) 130.5(d)(36) 130.5(d)(37) 130.5(d)(38) 130.5(d)(39) 130.5(d)(40) 130.5(d)(41) 130.5(d)(42) 130.5(d)(43) 130.5(d)(44) 130.5(d)(45) 130.5(d)(46) 130.5(d)(47) 130.5(d)(48) 130.5(d)(49) 130.5(d)(50) 130.5(d)(51) 130.5(d)(52) 130.5(d)(53) 130.5(d)(54) 130.5(d)(55) 130.5(d)(56) 130.5(d)(57) 130.5(d)(58) 130.5(d)(59) 130.5(d)(60) 130.5(d)(61) 130.5(d)(62) 130.5(d)(63) 130.5(d)(64) 130.5(d)(65) 130.5(d)(66) 130.5(d)(67) 130.5(d)(68) 130.5(d)(69) 130.5(d)(70) 130.5(d)(71) 130.5(d)(72) 130.5(d)(73) 130.5(d)(74) 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STATE OF CALIFORNIA Outdoor Lighting		CALIFORNIA ENERGY COMMISSION		NESC (CDE)	
CERTIFICATE OF COMPLIANCE					
Project Name: _____		SILVER CREEK FC - TYPICAL CLASSROOM		Report Pages: _____ (Page 5 of 5)	
Project Address: _____		Date Prepared: _____		2023-05-31T18:54:22-0800	

1. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(c))
 [This table includes areas as required by California Electrical Code 140.7 / 170.2(c). General Hardship Allowance is per Table 140.7-A, Table 170.2-A while "Use it or lose it" Allowances are per Table 140.7-B, Table 170.2-B. Indicate which allowances are being used to request leniency for per use input. Limitations that apply for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance. Question lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table 1-A, and are not included here. All other multifamily location lighting is included here.]

		01			
		"Use it or lose it" Allowance (select all that apply) (select all that apply)			
☐ General Hardship Allowance Table 1 (below)	☐ Per Application Table 1	☐ Sales Frontage Table 1	☐ Monumental Table 1	☐ Per Specific Area Table M	

Calculated General Hardship Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Hotel									
02	03	04	05	06	07	08	09		
Area Description	Area Weighted Illuminated Area (ft ²)	Area Weighted Illuminance (W/ft ²)	Area Allowance (W/ft ²)	Linear Weighted Perimeter Length (ft)	Linear Weighted Allowance (W/ft)	Linear Allowance (Watts)	Linear Allowance (Watts)	Total Area AWA (W/ft ²)	Total Area AWA (Watts)
Entry	60	0.021	1.26	34	0.2	6.8	6.8	8.06	
								Initial Weighted Allowance for Entire Site (Watts)	250
								Instances of Initial Weighted Allowance (L2 or only)	
								Total General Hardship Allowance (Watts)	258.06

STATE OF CALIFORNIA

Outdoor Lighting

CERTIFICATE OF COMPLIANCE

CALIFORNIA ENERGY COMMISSION

NEEC-17D-2

Page 6 of 8

Project Name: SILVER CREEK FC - TYPICAL CLASSROOM

Report Page: (Page 6 of 8)

Project Address: [REDACTED]

Date Prepared: 2023-05-31 18:54:22 -05:00

LIGHTING ALLOWANCE: PER APPLICATION

This table includes areas using the wattage allowance per application from table 140.7.8 / table 170.2.5.

G1	G2	G3	G4	G5	G6	G7	G8	G9	G10
Area Description	Application per Table 140.7.8 ¹	# of Locations	Allowance per Location ²	Excess Allowance (Watts)	Luminaire Name or Item tag	Watts per Luminaire	# of Luminaires	Design Watts	Additional Allowance (Watts)
Entry Door	Building Entrance	1	19	19	F-1	30	1	30	19
Total Design Watts for this Area								30	
Total Allowance (Watts) All Areas:								19	

FOOTNOTES: Primary entrance applications are only available for senior care facilities, healthcare facilities, police stations, hospitals, fire stations, and emergency vehicle facilities.

¹ The allowance per location for ATMs is 350W for the first ATM and 35W for each additional per table 140.7.8, table 270.2.5.

² For luminaires indicated in Table A-5, fixture wattage in column G7 is 100% instead of 100W/luminaire. Total fixture watt should be indicated in column G8 instead of number of luminaires.

LIGHTING ALLOWANCE: FAULTS, SETTING IN

This section does not apply to this project.

LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

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: 2023.0.0.000 Schema Version: rev.20200201

Documentation Specification: Energy Code Ka Compliance ID: 86563-02-03-2007 Report Generated: 2023-05-31 15:54:34

STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION	
Outdoor Lighting		NESC-17D-1	
CERTIFICATE OF COMPLIANCE			
Project Name: SILVER CREEK FC - TYPICAL CLASSROOM		Report Page: (Page 7 of 8)	
Project Address:		Date Prepared: 2023-01-31T18:54:22-05:00	
D. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION			
		Form/Title	
NRC-17D-E - Must be submitted for all buildings			
F. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE			
		Form/Title	
		Systems/Spaces to be Field Verified	
NRC-17D-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.			
		Entry: "F-1"	

STATE OF CALIFORNIA Outdoor Lighting CERTIFICATE OF COMPLIANCE		CALIFORNIA ENERGY COMMISSION NESC-024 (Page 8 of 8)	
Project Name: SILVER CREEK FC - TYPICAL CLASSROOM		Report Date:	
Project Address:		Date Prepared: 2023-03-31 11:58:42 (PST)	

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Ryan McDermott Silver Creek Facilities Address: 2830 Barnett Ave. City/State/Zip: Perris/CA/92371	Documentation Author Signature:  Signature Date: 03-16-2023 I have read and understand the requirements of the California Code of Regulations (Title 24, Part 1) and certify that the information provided in this Certificate of Compliance is accurate and complete. I am responsible for the accuracy and completeness of the information provided in this Certificate of Compliance and for the accuracy and completeness of the information provided in this Certificate of Compliance. I am responsible for the accuracy and completeness of the information provided in this Certificate of Compliance and for the accuracy and completeness of the information provided in this Certificate of Compliance.
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RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 1 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 are specified on this Certificate of Compliance conform to the requirements of the California Code of Regulations.
- The building design features or system design features identified in this Certificate of Compliance are consistent with the information provided on other approved California documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with the building permit application.
- I will ensure that a completed copy of this Certificate of Compliance will 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 can be made available with the building permit(s) issued, and made available to the enforcement agency for all applicable jurisdictions.

Responsible Designer Name: John Strain Silver Creek Industries, LLC Address: 2830 Barnett Ave. City/State/Zip: Perris/CA/92371	Responsible Designer Signature:  Design Date: 03-16-2023 License: 2475 Phone: (951) 943-5391
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Registration Number: CA Building Energy Efficiency Standards: 2022 Nonresidential Commercial	Generated Date/Time: Report Version: 2023.00 Schema Version: 20200001	Documentation Software: Energy Code AS Compliance Code: 8603-021-01-007 Report Generated: 2023-03-31 11:54:07
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STATE OF CALIFORNIA Domestic Water Heating System		CALIFORNIA ENERGY COMMISSION	
CERTIFICATE OF COMPLIANCE		MISC-FR-3	
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page:	(Page 5 of 6)
Project Address:		Date Prepared:	2023-02-02T16:17:35-05:00
I. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE			
There are no forms required for this project.			
K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION			
There are no forms required for this project.			

Registration Number:

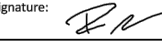
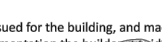
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

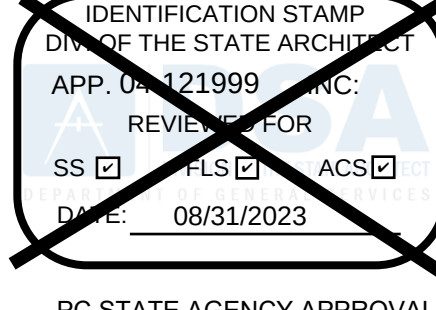
Generated Date/Time:

Report Version: 2022.000
Schema Version: 20201001

Documentation Software: Energy Code Ace

Compliance ID: 88563-2023-0009
Report Generated: 2023-04-03 13:17:38

STATE OF CALIFORNIA Domestic Water Heating System		CALIFORNIA ENERGY COMMISSION NCEC-NA-6 (Page 6 of 6)	
CERTIFICATE OF COMPLIANCE		Report Date: 05-16-2023 Date Prepared:	
Project Name: SILVER CREEK PK - TYPICAL CLASSROOM		Project Address: 8032 G ST-116 17-35-00	
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT I certify that this Certificate of Compliance documentation is accurate and complete.			
Documentation Author Name: Ryan McIntosh		Documentation Author Signature: 	
Company: Silver Creek Industries, LLC		Registration Date: 05-16-2023	
Address: 2830 Burnet Ave		CEC License Certification Identification (If Applicable):	
City/State/Zip: Pomona/CA/92401		Phone: (951) 945-5391	
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 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 of the 2019 Title 24 Part 1 and Part 6 of the California Code of Regulations.			
4. The building design review or system design verification, listed on the Certificate of Compliance for the building design or system design identified on this Certificate of Compliance conforms to the requirements of the California Building Code.			
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable jurisdictions. I understand that a completed signed copy of this Certificate of Compliance is required by the building department to be included with the building permit to be accepted for issuance.			
Responsible Designer Name: John Stross		Responsible Designer Signature: 	
Company: Silver Creek Industries, LLC		Date Signed: 05-16-2023	
Address: 2830 Burnet Ave		Phone: (951) 945-5391	
City/State/Zip: Pomona/CA/92401			
Registration Number: _____ Generated Date/Time: _____ Documentation Software: Energy Code KA CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.00001 Scheme Version: 2020.0000 Compliance ID: #6663-2023-03-37 Report Generated: 2023-03-27 13:37			

<div style="border: 2px solid black; border-radius: 15px; padding: 10px; margin: 0 auto; width: 80%;"> <p style="margin: 0;">IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT</p> <p style="margin: 0;">APP: 01-122742 INC:</p> <p style="margin: 0; text-align: center;">REVIEWED FOR</p> <p style="margin: 0;">SS ☒ FLS ☒ ACS ☒</p> <p style="margin: 0;">DATE: 02/17/2026</p> </div>											
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>											
<p>PROJECT NAME:</p> <div style="text-align: center; font-size: 1.2em; font-weight: bold; margin-top: 20px;"> S.S.F.U.S.D. MONTE VERDE E.S. TK-CLASSROOM </div>											
<p>SHEET TITLE:</p> <div style="text-align: center; font-size: 1.5em; font-weight: bold; margin-top: 20px;"> CERTIFICATE OF COMPLIANCE FORMS </div>											
<div style="text-align: center; font-weight: bold;">REVISIONS</div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 5%; text-align: center;">1</td><td style="width: 95%; height: 20px;"></td></tr> <tr><td style="text-align: center;">2</td><td style="height: 20px;"></td></tr> <tr><td style="text-align: center;">3</td><td style="height: 20px;"></td></tr> <tr><td style="text-align: center;">4</td><td style="height: 20px;"></td></tr> <tr><td style="text-align: center;">5</td><td style="height: 20px;"></td></tr> </table>		1		2		3		4		5	
1											
2											
3											
4											
5											
<p style="text-align: center;">PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED</p>											
<div style="text-align: center;">  <p style="margin-top: 10px;">PC STATE AGENCY APPROVAL</p> </div>											
 <p style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">Silver Creek</p> <p style="margin-top: 10px;">2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211</p>											
<p style="text-align: center;">MODULAR BUILDING DESIGN PROFESSIONAL</p> <div style="text-align: center; margin-top: 20px;">  </div>											
<p style="text-align: center;">SILVER CREEK INDUSTRIES 24' x 40' PC</p>											
<p>PROJECT NO:</p>											
<p>DRAWN BY:</p>											
<p>SCALE: AS NOTED</p>											
<p>DATE: 02-27-2023</p>											
<p>P.C. SHEET NUMBER</p>											
<div style="font-size: 3em; font-weight: bold;">A-0.6B</div>											

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-E

Project Name: 40- PC-PV

Report Page: (Page 1 of 5)

Date Prepared: 2023-02-17 15:05:07 05:05

A. GENERAL INFORMATION

01 Project Location (City)

15

04 Building Occupancies

School or Classroom

02 Climate Zone

NA

05 Construction Type

New construction

03 Conditioned Floor Area (ft²)

4800

06 Number of Stories

Bldg <= 3 stories

B. PROJECT SCOPE

The compliance path the project is using to comply per 110.10(b)(18)/ 140.10/ 170.2(g) and h) is indicated below:

Compliance with Solar Photovoltaic (PV) and Battery Requirements in 140.10/ 170.2(g) and h)

01

☐ Provided PV system and battery storage sized per 140.10/ 170.2 (g and h)

☐ Exception to PV and Battery: Not enough Solar Access Roof Area

☐ Exception to PV and Battery: Required PV < 4kW

☐ Exception to PV and Battery: No contiguous Solar Access Roof Area

☐ Exception to PV and Battery: Can't meet snow load

☐ Exception to PV and Battery: Multi-tenant without VNM or Community Solar

The project has included an installed PV system and battery storage system per requirements in 140.10/ 170.2(g) and h) as documented in Table I.

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 I.

The required PV system size is less than 4 kW dc as documented in Table I.

The Solar Access Roof Area(s) of the project site contains less than 80 contiguous square feet as documented in Table I.

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.

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.

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.

Registration Number:

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 90125-0223-0002

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

Schema Version: rev 20220101

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-E

Project Name: 40- PC-PV

Report Page: (Page 5 of 5)

Date Prepared: 2023-02-17 15:05:07 05:05

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Ryan Mcintosh

Signature Date: 02-20-2023

Company: Silver Creek Industries, LLC

Address: 2830 Barrett Ave

City/State/Zip: Perris/CA/92571

Phone: (951) 943-5391

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

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

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

3. The energy 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 of Title 24, Part 1 and Part 6 of the California Code of Regulations.

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

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

Responsible Designer Name: John Steinhilber

Signature Date: 02-20-2023

Company: Silver Creek Industries, LLC

Address: 2830 Barrett Ave

City/State/Zip: Perris/CA/92571

Phone: (951) 943-5391

Registration Number:

Generated Date/Time:

Documentation Software: Energy Code Ace

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STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-E

Project Name: 40- PC-Solar Ready

Report Page: (Page 1 of 7)

Date Prepared: 2023-02-17 15:05:54 05:50

A. GENERAL INFORMATION

01 Project Location (City)

N/A

04 Building Occupancies

School or Classroom

02 Climate Zone

15

05 Construction Type

New construction

03 Conditioned Floor Area (ft²)

1660

06 Number of Stories

Bldg <= 3 stories

B. PROJECT SCOPE

The compliance path the project is using to comply per 110.10(b)(18)/ 140.10/ 170.2(g) and h) is indicated below:

Compliance with Solar Readiness Requirements in 110.10(b)(18)

01

☐ Provide Solar Ready Area No exceptions

☐ Exception to Solar Ready Area: Installed Solar Photovoltaic System

☐ Exception to Solar Ready Area: Installed Solar Water Heating System

☐ Exception to Solar Ready Area: Smart Thermostat and Alternative Energy Efficiency Measure

☐ Exception to Solar Ready Area: Roof is designed for vehicular traffic, parking or for helipad

☐ Exception to Solar Ready Area: Roof too small

☐ Exception to Solar Ready Area: Number of Building Stories

The project has allocated a solar zone on the roof plan per requirements in §110.10(b)(18), as documented in Table F.

The project includes a permanently installed solar electric system having a nameplate DC power rating, measured under Standard Test Conditions, of no less than one watt per square foot of roof area as documented in Table G.

The project is a hotel/motel or high-rise multifamily occupancy and includes a permanently installed domestic solar water-heating system complying with 170.2(d)(3C) and Reference Residential Appendix R44, as documented in Table H.

The project is a multifamily occupancy where all thermostats in each dwelling unit comply with §110.10(b)(18). AND at least one additional measure listed in Exception 4 to §110.10(b)(18) is installed, as documented in Table I.

Plan sheet showing roof designed for vehicular traffic, parking or helipad

The project is a new construction and has a total roof area = 533 square feet

The project is nonresidential > 3 stories or multifamily/ hotel/motel > 10 stories.

Registration Number:

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-E

Project Name: 40- PC-Solar Ready

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INTERCONNECTION PATHWAYS

Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).

N/A

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:

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

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Project Name: 40- PC-PV

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Date Prepared: 2023-02-17 15:05:07 05:05

Compliance with Solar Thermal Water Heating Requirements in 140.10/ 170.2(g) and h) (Multifamily and hotel/ motel occupancies only)

01

☐ The project includes a hotel/motel or multifamily occupancy with a gas or propane central water-heating system (serves 2+ dwelling units) and includes a permanently installed domestic solar water-heating system to comply with 170.2(d)(3C) and Reference Residential Appendix R44, as documented in Table H.

Compliance meets Exception 2 to solar ready requirements in 110.10(b).

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 G, for guidance or see the applicable Table referenced below.

Allocated Solar Zone		Installed PV System		Installed SWH System		Smart Thermostat and Alternative EE Measure		Compliance Results
01	02	03	04	05	06	07	08	
Required Minimum Area (ft²)	<= Designated Area (ft²)	OR	Required Minimum DC Power Rating (Watts)	<= Designated DC Power Rating (Watts)	OR	Required Minimum Solar Savings Fraction	<= Designated Solar Savings Fraction	COMPLIES
(See Table F)		(See Tables G or J)		(See Table H)		(See Table I)		
<=	OR	11,810	<=	11,810	OR	<=	OR	
Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).								
Battery storage system design meets the minimum requirements in Joint Appendix JA2 and the minimum energy (kWh)/ power (kW) capacity per Table I.								
Not Applicable								

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

Registration Number:

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 90125-0223-0002

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STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

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NRCC-SAB-E

Project Name: 40- PC-PV

Report Page: (Page 3 of 5)

Date Prepared: 2023-02-17 15:05:07 05:05

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:

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CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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STATE OF CALIFORNIA

Solar And Battery

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CERTIFICATE OF COMPLIANCE

NRCC-SAB-E

Project Name: 40- PC-PV

Report Page: (Page 4 of 5)

Date Prepared: 2023-02-17 15:05:07 05:05

J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS

This table documents compliance with prescriptive photovoltaic and battery system requirements in 140.10/ 170.2(g) and h). Unless the project meets one of the listed exceptions, or instead of PV in an energy model using performance path, 140.10/ 170.2(g) and h) requires installed photovoltaic and battery systems for newly constructed buildings. The installed PV systems must meet the minimum requirements in Joint Appendix 11.

01	02	03	04	05	06	07	08
Occupancy	Conditioned Floor Area (ft²)	Area of New Roof¹ (ft²)	Roof Area < 70% Solar Access² (ft²)	Plansheet or Document showing Solar Access Calculations	Occupied Roof Area³ (ft²)	Solar Access Roof Area (SARA) (ft²)	Min Size of PV System Required (kWdc)
School or Classroom	4,800	5,700	0	Sheet A-6.7	5,700	5,700	11.81
Total Min Size PV System Required for all Spaces (kWdc)							11.81
Total Size PV System in Design (kWdc)							11.81

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

¹Solar access must be determined using CEC approved solar access calculation tools found at: <https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/solar-assessment-tools>.

²As specified by CBC Section 503.1.4.

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title

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

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

Registration Number:

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 90125-0223-0002

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

Schema Version: rev 20220101

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-E

Project Name: 40- PC-Solar Ready

Report Page: (Page 2 of 7)

Date Prepared: 2023-02-17 15:06:54 06:50

Compliance with Solar Photovoltaic (PV) and Battery Requirements in 140.10/ 170.2(g) and h)

01

☐ Provided PV system and battery storage sized per 140.10/ 170.2 (g and h)

☐ Exception to PV and Battery: Not enough Solar Access Roof Area

☒ Exception to PV and Battery: Required PV < 4kW

☐ Exception to PV and Battery: No contiguous Solar Access Roof Area

☐ Exception to PV and Battery: Can't meet snow load

☐ Exception to PV and Battery: Multi-tenant without VNM or Community Solar

☐ The prescriptive PV/Battery requirement has been traded off using the performance compliance approach as documented on the PPR Certificate of Compliance form.

The project has included an installed PV system and battery storage system per requirements in 140.10/ 170.2(g) and h) as documented in Table I.

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 I.

The required PV system size is less than 4 kW dc as documented in Table I.

The Solar Access Roof Area(s) of the project site contains less than 80 contiguous square feet as documented in Table I.

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.

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.

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.

Compliance with Solar Thermal Water Heating Requirements in 170.2(d)(3C) (Multifamily and hotel/ motel occupancies only)

01

☐ The project includes a hotel/motel or multifamily occupancy with a gas or propane central water-heating system (serves 2+ dwelling units) and includes a permanently installed domestic solar water-heating system to comply with 170.2(d)(3C) and Reference Residential Appendix R44, as documented in Table H.

Compliance meets Exception 2 to solar ready requirements in 110.10(b).

Registration Number:

Generated Date/Time:

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Report Version: 2022.0.000

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STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-E

Project Name: 40- PC-Solar Ready

Report Page: (Page 3 of 7)

Date Prepared: 2023-02-17 15:06:54 06:50

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 G, for guidance or see the applicable Table referenced below.

Allocated Solar Zone		Installed PV System		Installed SWH System		Smart Thermostat and Alternative EE Measure		Compliance Results
01	02	03	04	05	06	07	08	
Required Minimum Area (ft²)	<= Designated Area (ft²)	OR	Required Minimum DC Power Rating (Watts)	<= Designated DC Power Rating (Watts)	OR	Required Minimum Solar Savings Fraction	<= Designated Solar Savings Fraction	COMPLIES
(See Table F)		(See Tables G or J)		(See Table H)		(See Table I)		
171	<=	172	OR	0	<=	0	OR	
N/A								
Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).								
Battery storage system design meets the minimum requirements in Joint Appendix JA2 and the minimum energy (kWh)/ power (kW) capacity per Table I.								
Not Applicable								

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

Registration Number:

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Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

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STATE OF CALIFORNIA

Solar And Battery

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CERTIFICATE OF COMPLIANCE

NRCC-SAB-E

Project Name: 40- PC-Solar Ready

Report Page: (Page 6 of 7)

Date Prepared: 2023-02-17 15:06:54 06:50

J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS

This table documents compliance with prescriptive photovoltaic and battery system requirements in 140.10/ 170.2(g) and h). Unless the project meets one of the listed exceptions, or instead of PV in an energy model using performance path, 140.10/ 170.2(g) and h) requires installed photovoltaic and battery systems for newly constructed buildings. The installed PV systems must meet the minimum requirements in Joint Appendix 11.

01	02	03	04	05	06	07	08
Occupancy	Conditioned Floor Area (ft²)	Area of New Roof¹ (ft²)	Roof Area < 70% Solar Access² (ft²)	Plansheet or Document showing Solar Access Calculations	Occupied Roof Area³ (ft²)	Solar Access Roof Area (SARA) (ft²)	Min Size of PV System Required (kWdc)
School or Classroom	960	1,140	0	Roof plans A-3.3 x	1,140	1,140	1.56
Total Min Size PV System Required for all Spaces (kWdc)							0
Total Size PV System in Design (kWdc)							0

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

¹Solar access must be determined using CEC approved solar access calculation tools found at: <https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/solar-assessment-tools>.

²As specified by CBC Section 503.1.4.

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title

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

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

Registration Number:

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 90123-0223-0003

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STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-E

Project Name: 40- PC-Solar Ready

Report Page: (Page 7 of 7)

Date Prepared: 2023-02-17 15:06:54 06:50

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: Ryan Mcintosh

Signature Date: 02-20-2023

Company: Silver Creek Industries, LLC

Address: 2830 Barrett Ave

City/State/Zip: Perris/CA/92571

Phone: (951) 943-5391

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

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

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

3. The energy 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 of Title 24, Part 1 and Part 6 of the California Code of Regulations.

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

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

Responsible Designer Name: John Steinhilber

Signature Date: 02-20-2023

Company: Silver Creek Industries, LLC

Address: 2830 Barrett Ave

City/State/Zip: Perris/CA/92571

Phone: (951) 943-5391

Registration Number:

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NRCC-SAB-E

Project Name: 40- PC-PV

Report Page: (Page 4 of 5)

Date Prepared: 2023-02-17 15:05:07 05:05

J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS

This table documents compliance with prescriptive photovoltaic and battery system requirements in 140.10/ 170.2(g) and h). Unless the project meets one of the listed exceptions, or instead of PV in an energy model using performance path, 140.10/ 170.2(g) and h) requires installed photovoltaic and battery systems for newly constructed buildings. The installed PV systems must meet the minimum requirements in Joint Appendix 11.

01	02	03	04	05	06	07	08
Occupancy	Conditioned Floor Area (ft²)	Area of New Roof¹ (ft²)	Roof Area < 70% Solar Access² (ft²)	Plansheet or Document showing Solar Access Calculations	Occupied Roof Area³ (ft²)	Solar Access Roof Area (SARA) (ft²)	Min Size of PV System Required (kWdc)
School or Classroom	4,800	5,700	0	Sheet A-6.7	5,700	5,700	11.81
Total Min Size PV System Required for all Spaces (kWdc)							11.81
Total Size PV System in Design (kWdc)							11.81

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

¹Solar access must be determined using CEC approved solar access calculation tools found at: <https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/solar-assessment-tools>.

²As specified by CBC Section 503.1.4.

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title

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

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

Registration Number:

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 90125-0223-0002

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

Schema Version: rev 20220101

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-E

Project Name: 40- PC-Solar Ready

Report Page: (Page 4 of 7)

Date Prepared: 2023-02-17 15:06:54 06:50

F. ALLOCATED SOLAR ZONE

This table is completed if the project is designating a solar zone to comply with §110.10(b)(18). New construction consider the total roof area. Additions consider newly added roof area. This table demonstrates that the project has designated the minimum area required for the Allocated Solar Zone, and also that the requirements for Solar Zone Subareas have been met. Each subarea must be shown on a roof plan or documented in construction documents. The solar zones must also comply with fire code requirements, including, but not limited to, setback and pathway requirements. Requirements for interconnection pathways must also be included in construction documents, and the location is specified in this table.

01	02	03	04	05	06	07	08
Minimum Solar Zone Area Calculation Method	Total New or Added Roof Area (ft²)	Total New or Added Roof Area Covered with Skylights (ft²)	Minimum Solar Zone Based on Total Area (ft²)	Method/ Tools Used to Determine Annual Solar Access for Potential Zones	Potential Solar Zone Areas: Roof areas with >= 70% Solar Access	Minimum Solar Zone Based on Total Potential Zones (ft²)	Required Minimum Solar Zone Area (ft²)
					Low-Sloped Area (< 2.12 pitch) Oriented 90° - 300° (ft²)		
					Step-Sloped Area (> 2.12 pitch) Oriented 90° - 300° (ft²)		
					Subarea Is Required Distance from Potential Obstructions per §110.10(b)(3) A		
					Subarea Is Required Distance from Potential Obstructions per §110.10(b)(3) B		
					Is the Smallest Dimension 5 feet or greater?		
					Min. Area Required per Subarea (ft²)		
					Designated Area (ft²)		
					Subarea Completed?		

Designated Solar Zone Subareas

09	10	11	12	13	14	15	16	17	18	19
Subarea Name or Tag	Building Plan Reference	Roof or Overhang Slope (Low Reference <= 2.12 pitch) (Slope > 2.12 pitch)	Is Step-Sloped Roof or Overhang between 90 and 300 degrees?	Subarea Complies with Title 24, Part 1	Solar Zone Subarea Free of Obstructions per §110.10(b)(3) A	Solar Zone Subarea Free of Obstructions per §110.10(b)(3) B	Is the Smallest Dimension 5 feet or greater?	Min. Area Required per Subarea (ft²)	Designated Area (ft²)	Subarea Completed?
Solar Zone	Roof plans sheets A-3.x	Low slope		Yes	Yes	Yes	Yes	80	172	COMPLIES

Registration Number:

Generated Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 90123-0223-0003

Report Generated: 2023-02-17 15:06:58

Schema Version: rev 20220101

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-E

Project Name: 40- PC-Solar Ready

Report Page: (Page 5 of 7)

Date Prepared: 2023-02-17 15:06:54 06:50

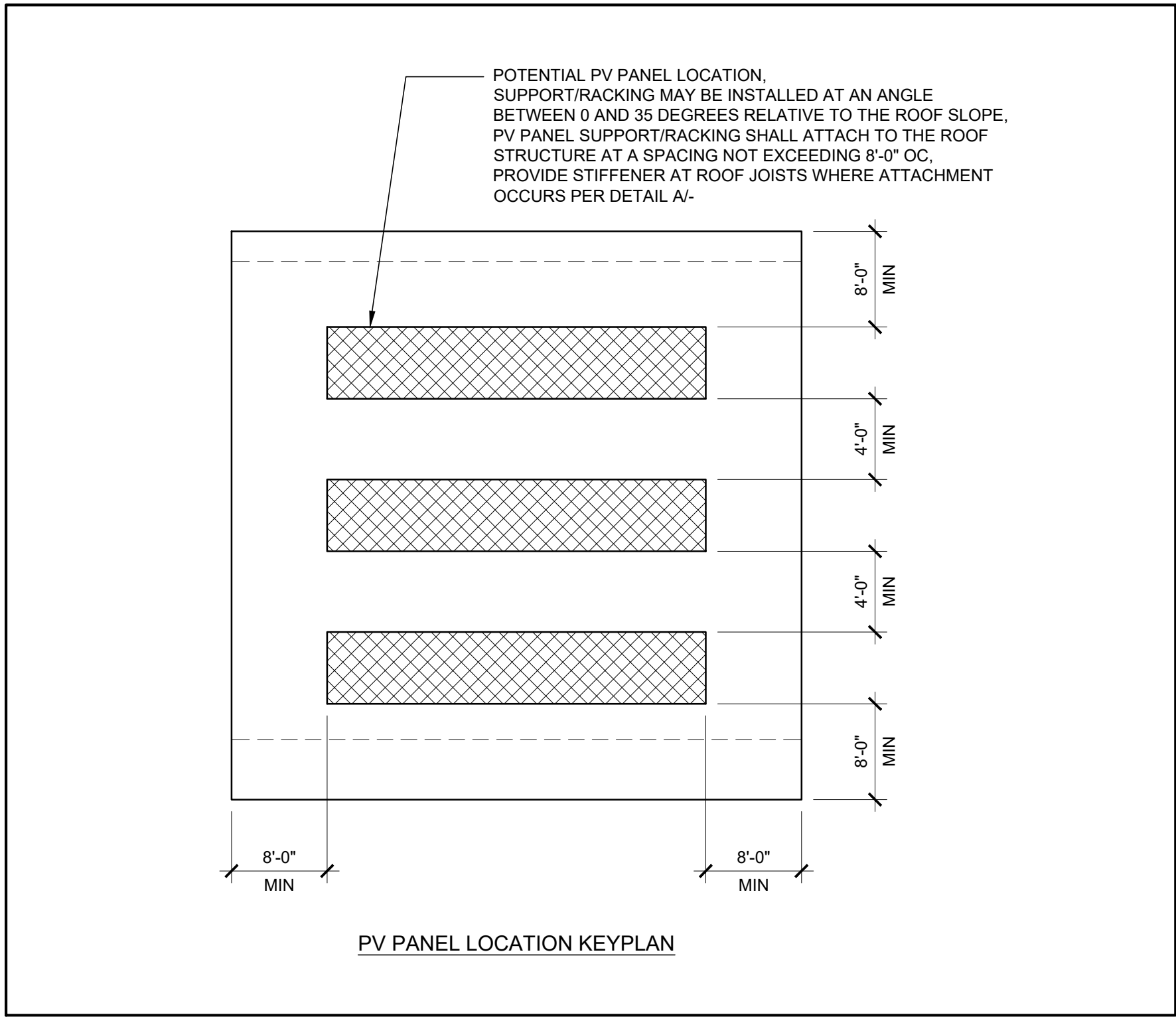
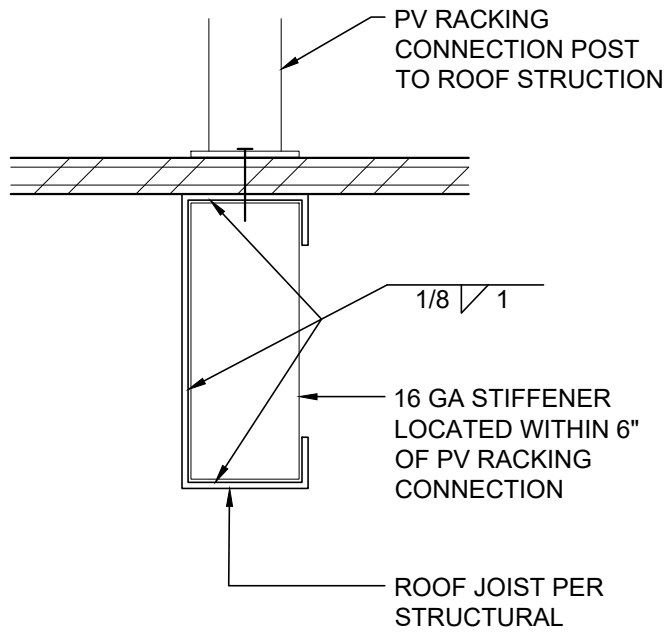
J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS

This table documents compliance with prescriptive photovoltaic and battery system requirements in 140.10/ 170.2(g) and h). Unless the project meets one of the listed exceptions, or instead of PV in an energy model using performance path, 140.10/ 170.2(g) and h) requires installed photovoltaic and battery systems for newly constructed buildings. The installed PV systems must meet the minimum requirements in Joint Appendix 11.

01	02	03	04	05	06	07	08
Occupancy	Conditioned Floor Area (ft²)	Area of New Roof¹ (ft²)	Roof Area < 70% Solar Access² (ft²)	Plansheet or Document showing Solar Access Calculations	Occupied Roof Area³ (ft²)	Solar Access Roof Area (SARA) (ft²)	Min Size of PV System Required (kWdc)
School or Classroom	4,800						

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

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

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

CALIFORNIA ENERGY CODE - MANDATORY MEASURES

INTERIOR LIGHTING MANDATORY MEASURES:

- ALL LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS, AND LUMINAIRES SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.9.
- ALL LUMINAIRES SHALL BE FACTORY-LABELED PER SECTION 130.0(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 110.8.
- 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 60 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.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122742 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 02/17/2026

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:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

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

REVISIONS

1	
2	
3	
4	
5	

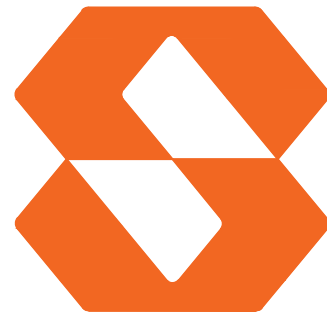
PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121999 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/31/2023

PC STATE AGENCY APPROVAL



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES

24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-0.7

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 AND SHALL BE LISTED IN THE CHPH 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.

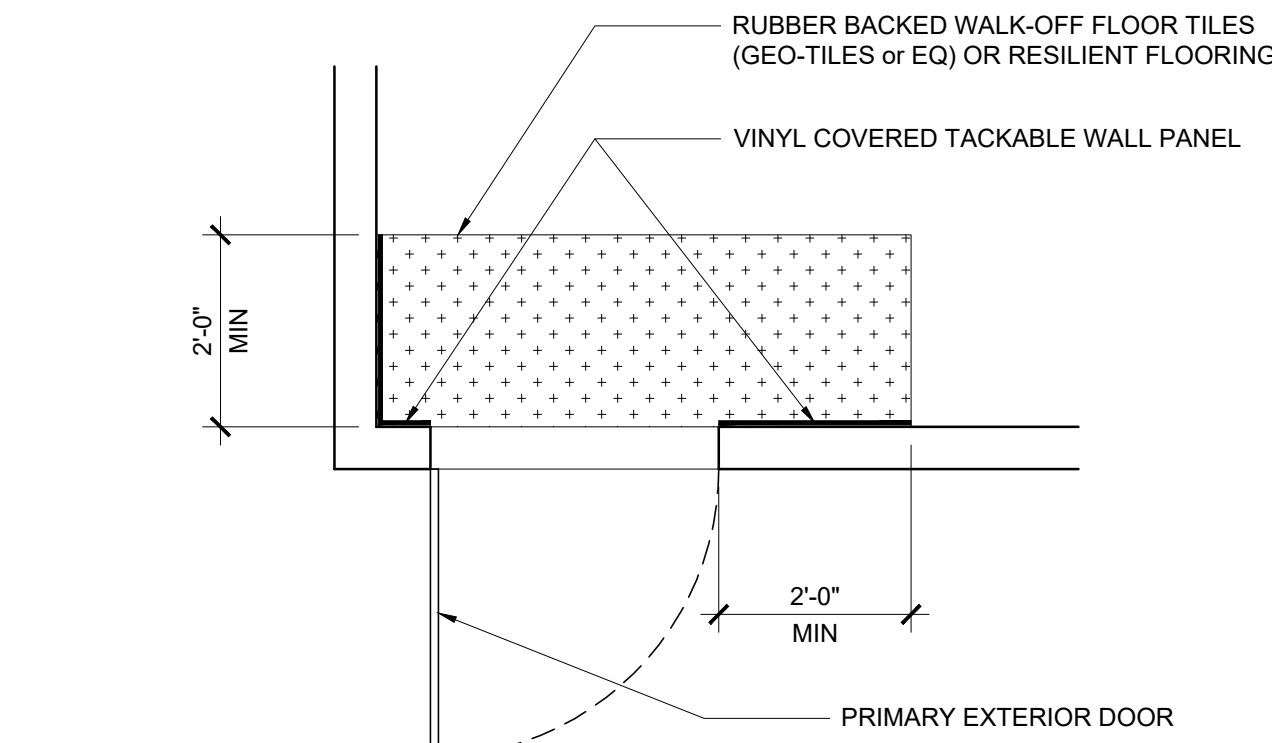
ACOUSTICAL CONTROL

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 #NGC 2012065)(STC-42)
- ☐ 2x4 (MIN) STUDS @ 16" O.C. WITH 2 LAYER OF 5/8" TYPE "X" GYP BD. EA. SIDE OF WALL & 3 1/2" BATT INSULATION. ADDITIONAL LAYERS OF FINISH MATERIAL MAY BE INSTALLED OVER THE GYP BD. BASE LAYER OF GYP BD SHALL BE FASTENED TO THE STUDS w/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 #NGC 2364) (STC-41)

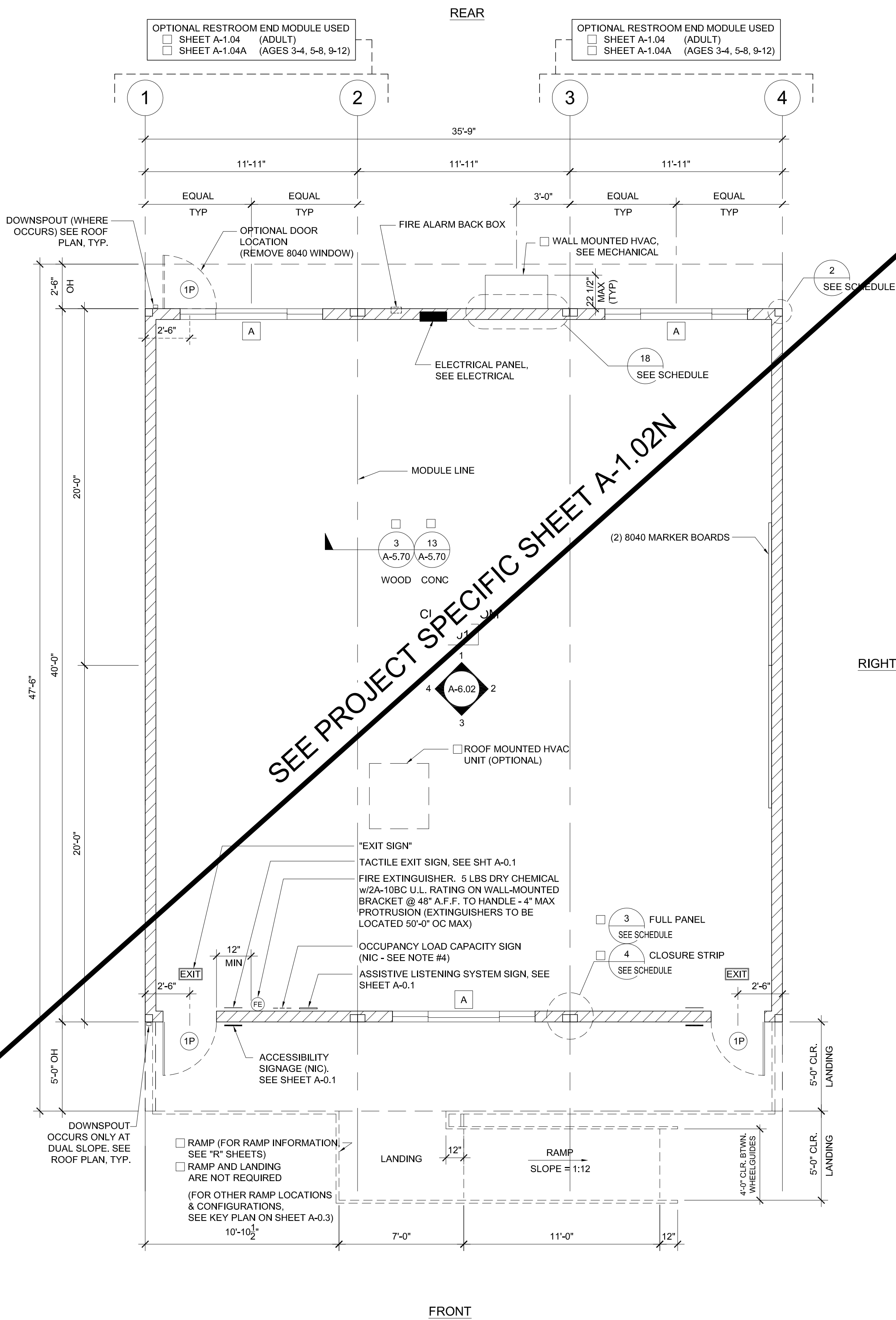
WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDINGS CONSTRUCTED PER THIS PC SHALL MEET THE REQUIREMENTS OF THE 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.507.4. THE ARCHITECT OF RECORD FOR THE PROJECT SITE THE PC BUILDING IS TO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

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



PRIMARY EXTERIOR WALL FINISH DIAGRAM

A



FLOOR PLAN

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

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 #:
☐ SIDING OVER WOOD STUDS	A-5.50
☒ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

WALL LEGEND

	NOMINAL 4" WALL STUD	☐
	NOMINAL 6" WALL STUD	☒
	NOMINAL 8" WALL STUD	☐

- ☐ WINDOW PER SCHEDULE SHEET A-0.2
- ☒ DOOR PER SCHEDULE SHEET A-0.2

NOTES:
ALL EXTERIOR WALL FRAMING SHALL BE 2x6 (OR 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.

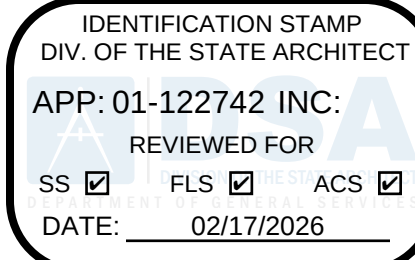
THIS PLAN MAY INCLUDE THE VARIOUS EXERCISABLE OPTIONS APPLICABLE TO THE PC SUCH AS PARTITION WALLS, PLUMBING, ETC. FOR REFERENCE PURPOSES. OPTIONS CAN BE APPLIED AS REQUIRED TO THE PC'S BUILDING SIZES.

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:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

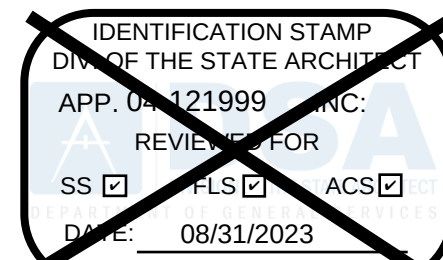
SHEET TITLE:

FLOOR PLAN
36' x 40'

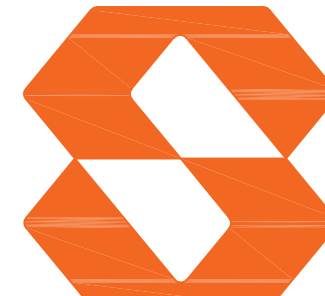
REVISIONS

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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:

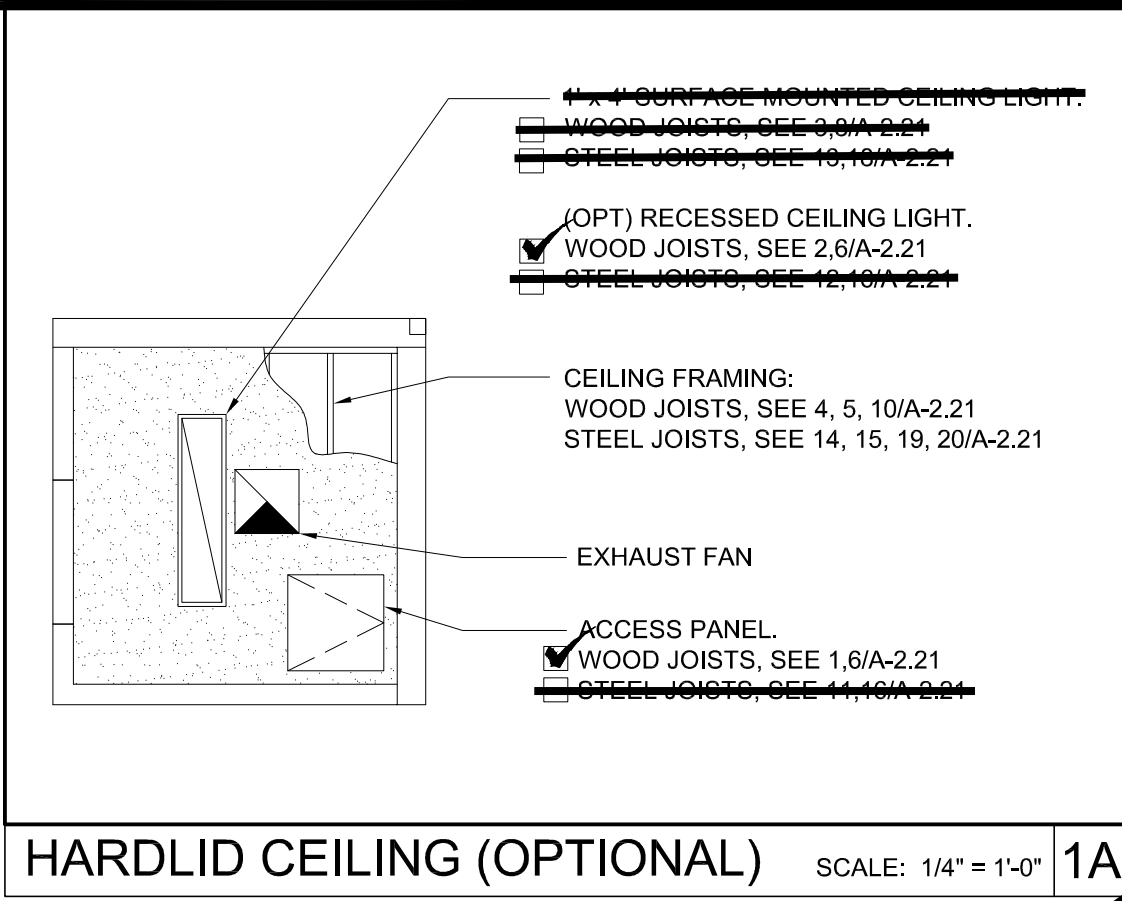
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-1.02

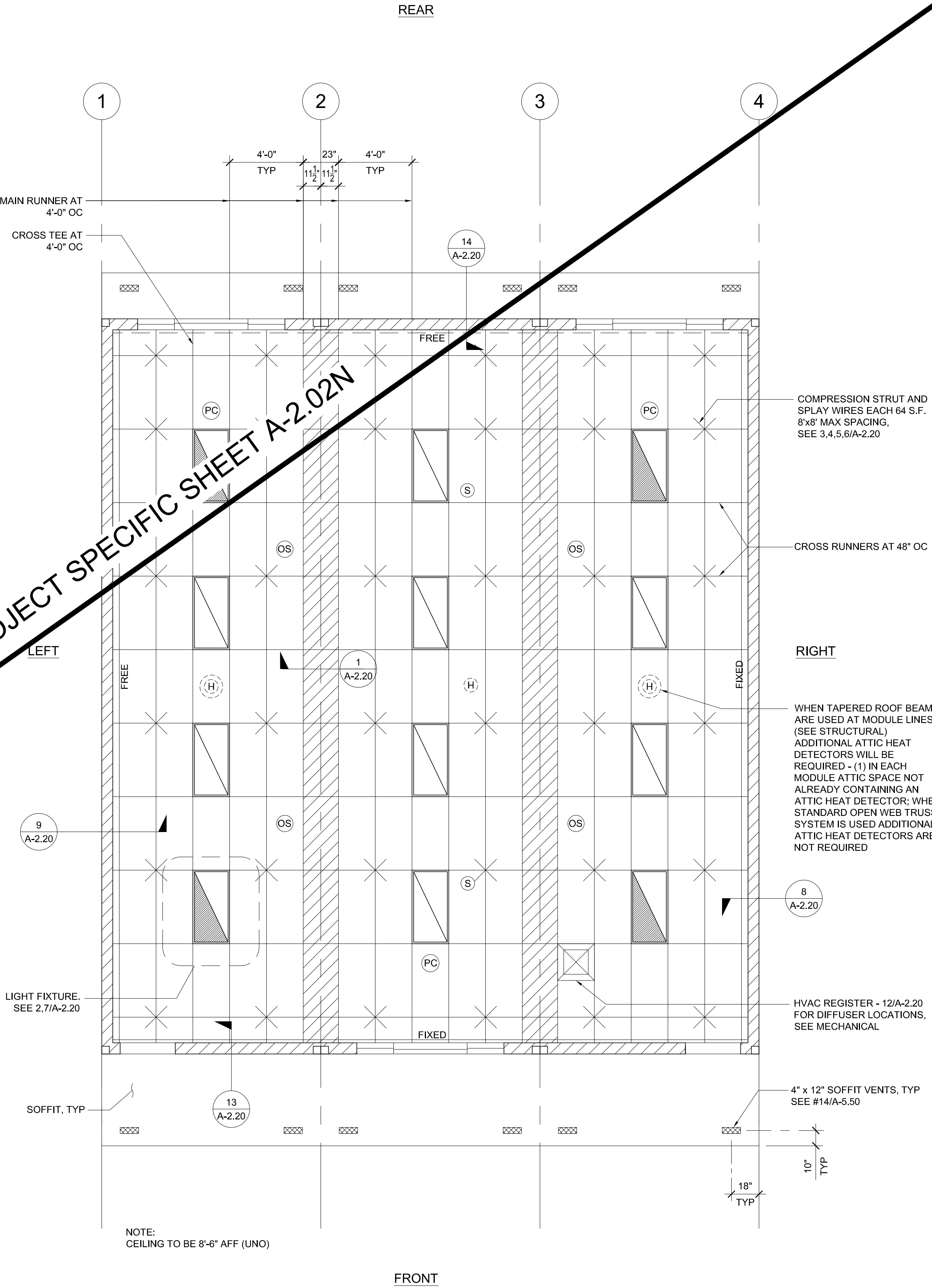


HARDLID CEILING (OPTIONAL) SCALE: 1/4" = 1'-0" 1A

	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

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)	



SEE PROJECT SPECIFIC SHEET A-2.02N

REFLECTED CEILING PLAN

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

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DIV. OF THE STATE ARCHITECT
APP: 01-122742 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 02/17/2026

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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

REFLECTED CEILING
PLAN
36' x 40'

REVISIONS
1
2
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4
5

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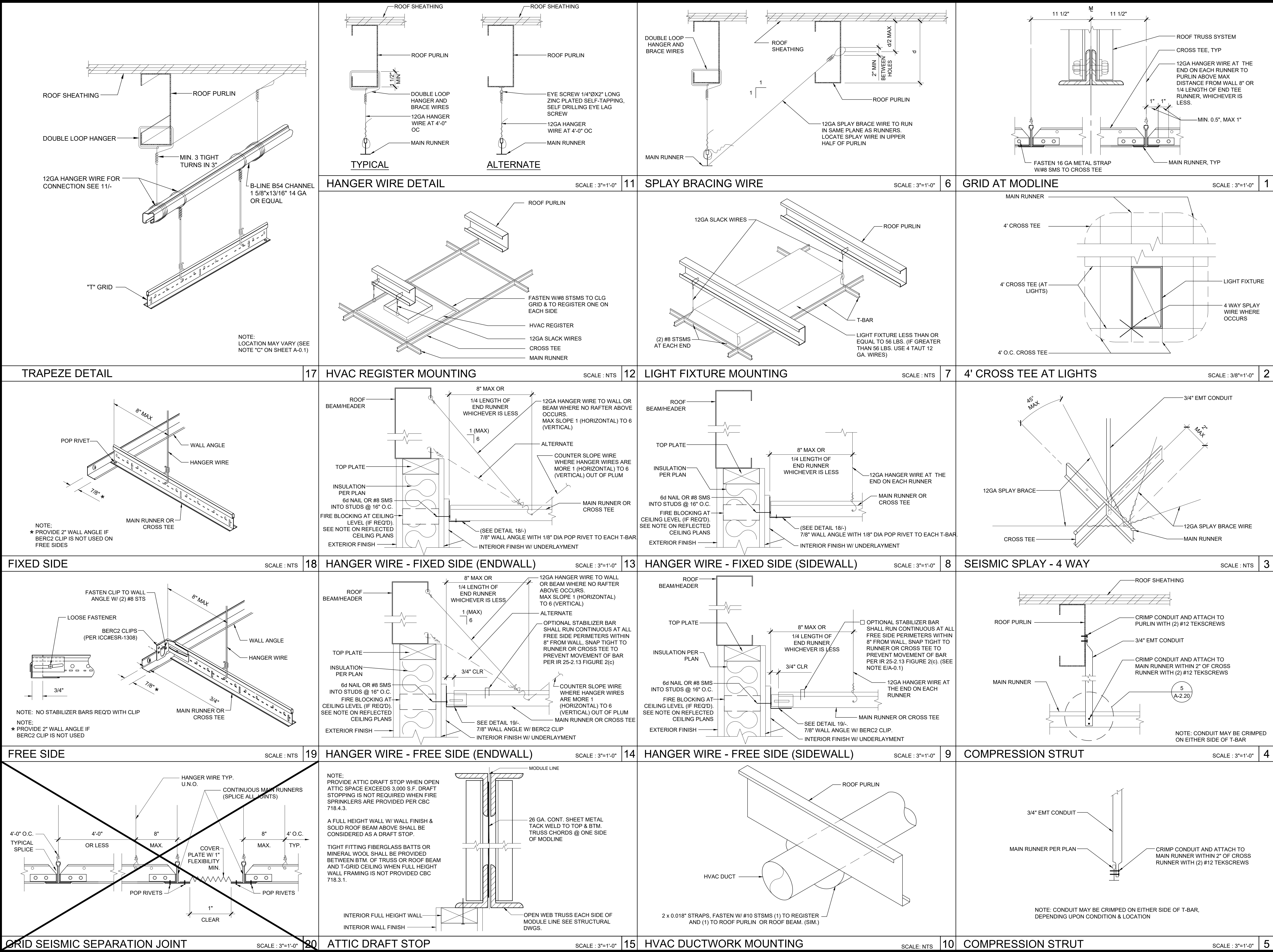
Silver Creek

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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-2.02	



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

PROJECT NAME:
**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

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

REVISIONS

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A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

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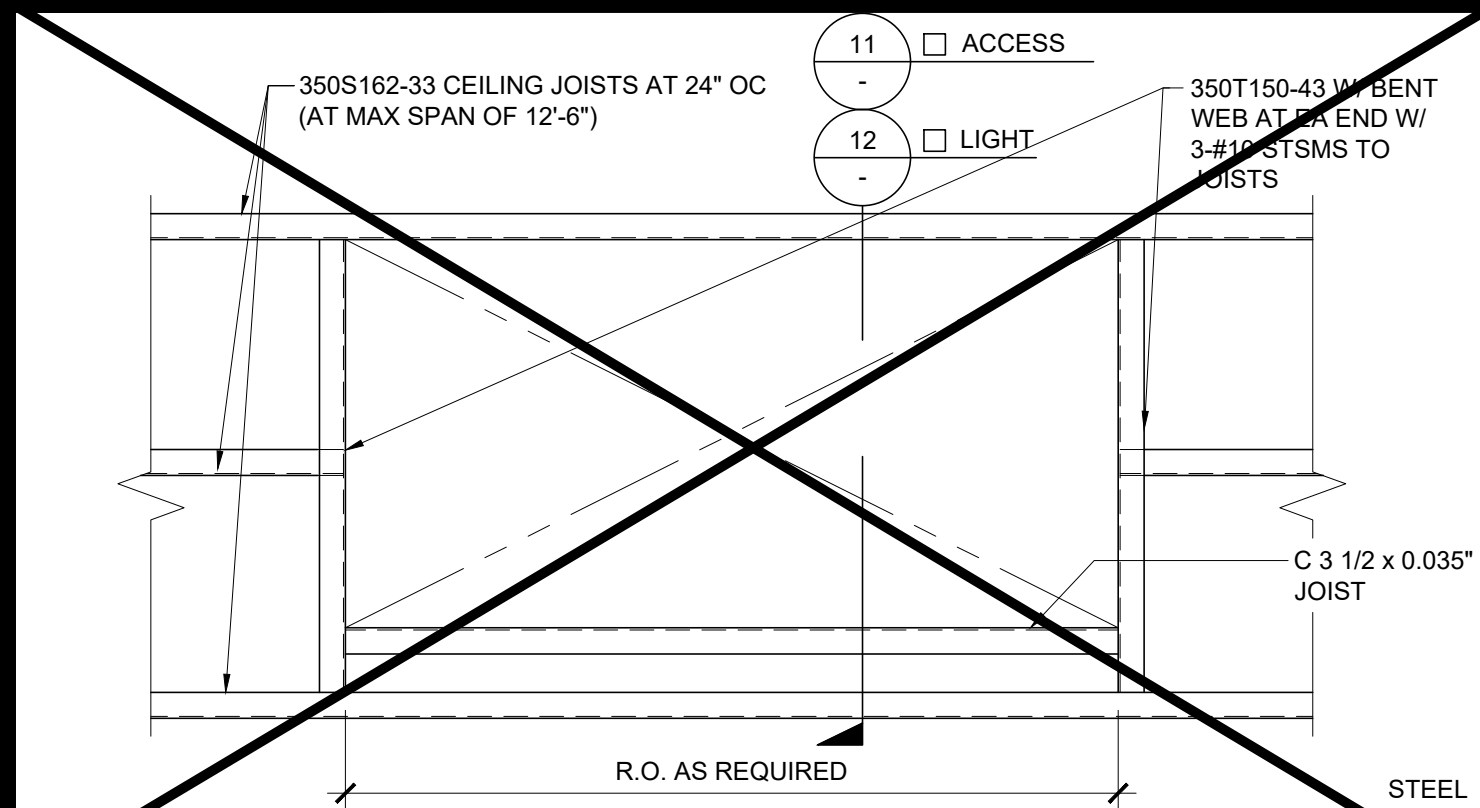
Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
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MODULAR BUILDING DESIGN PROFESSIONAL

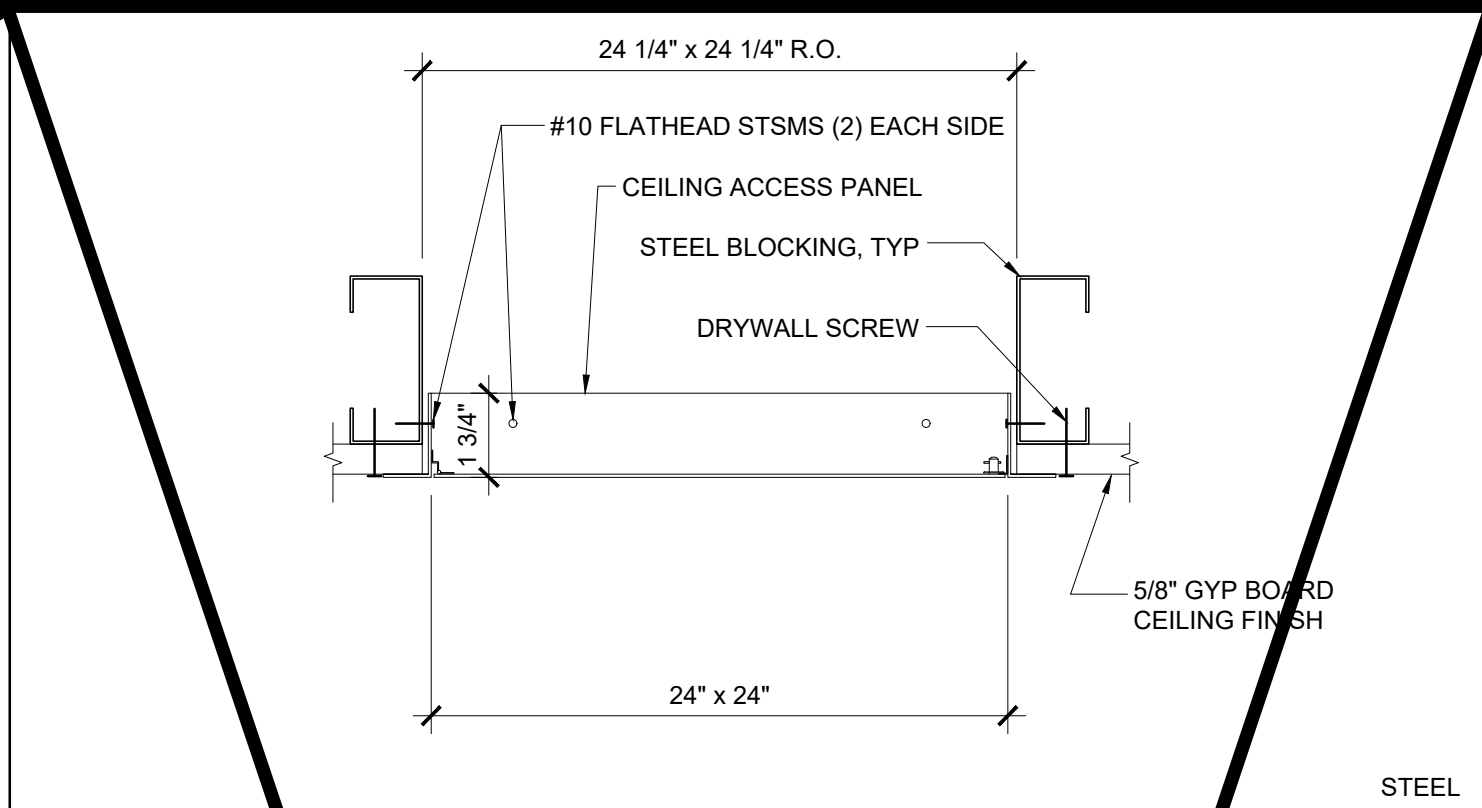
SILVER CREEK INDUSTRIES
24' x 40' PC

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

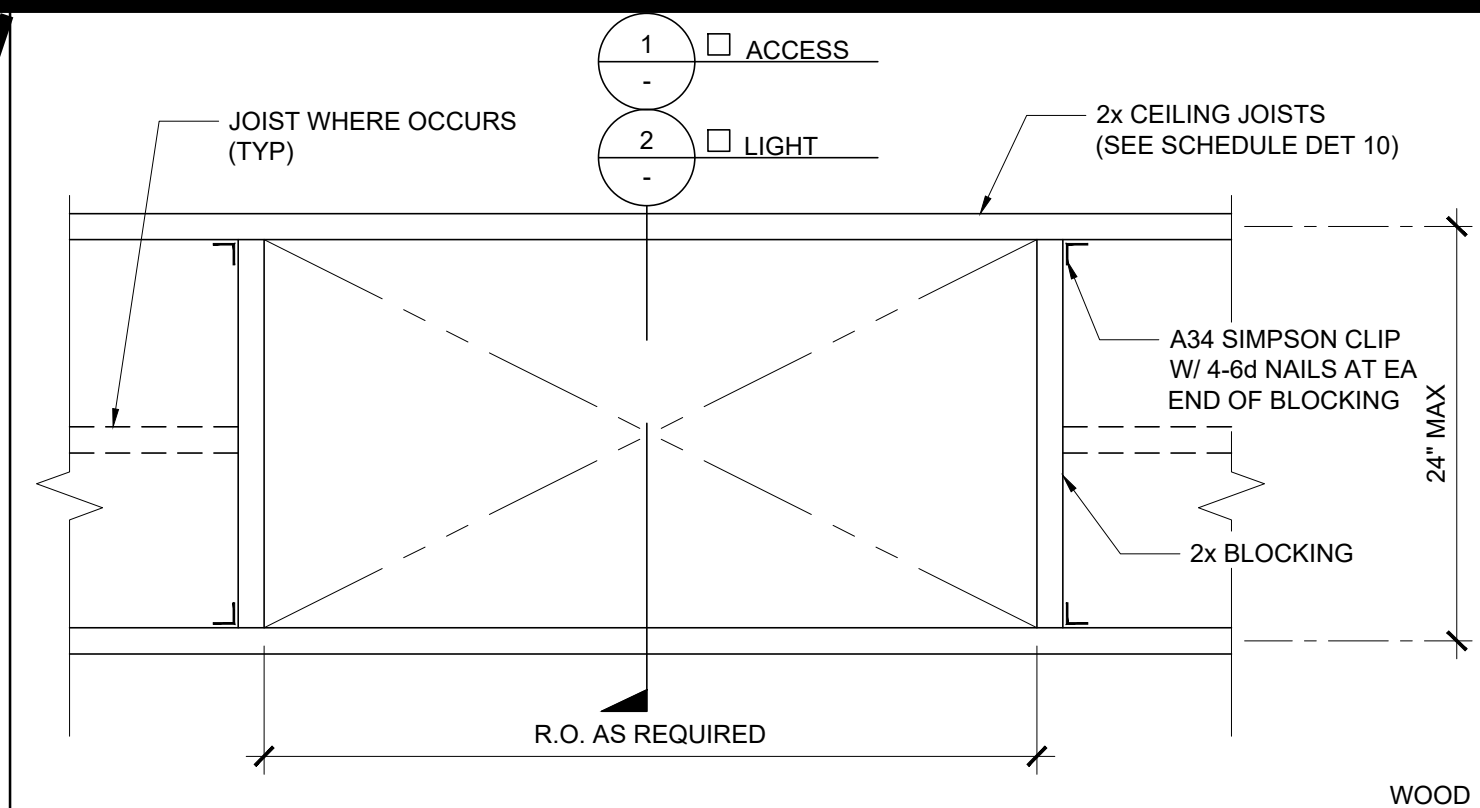
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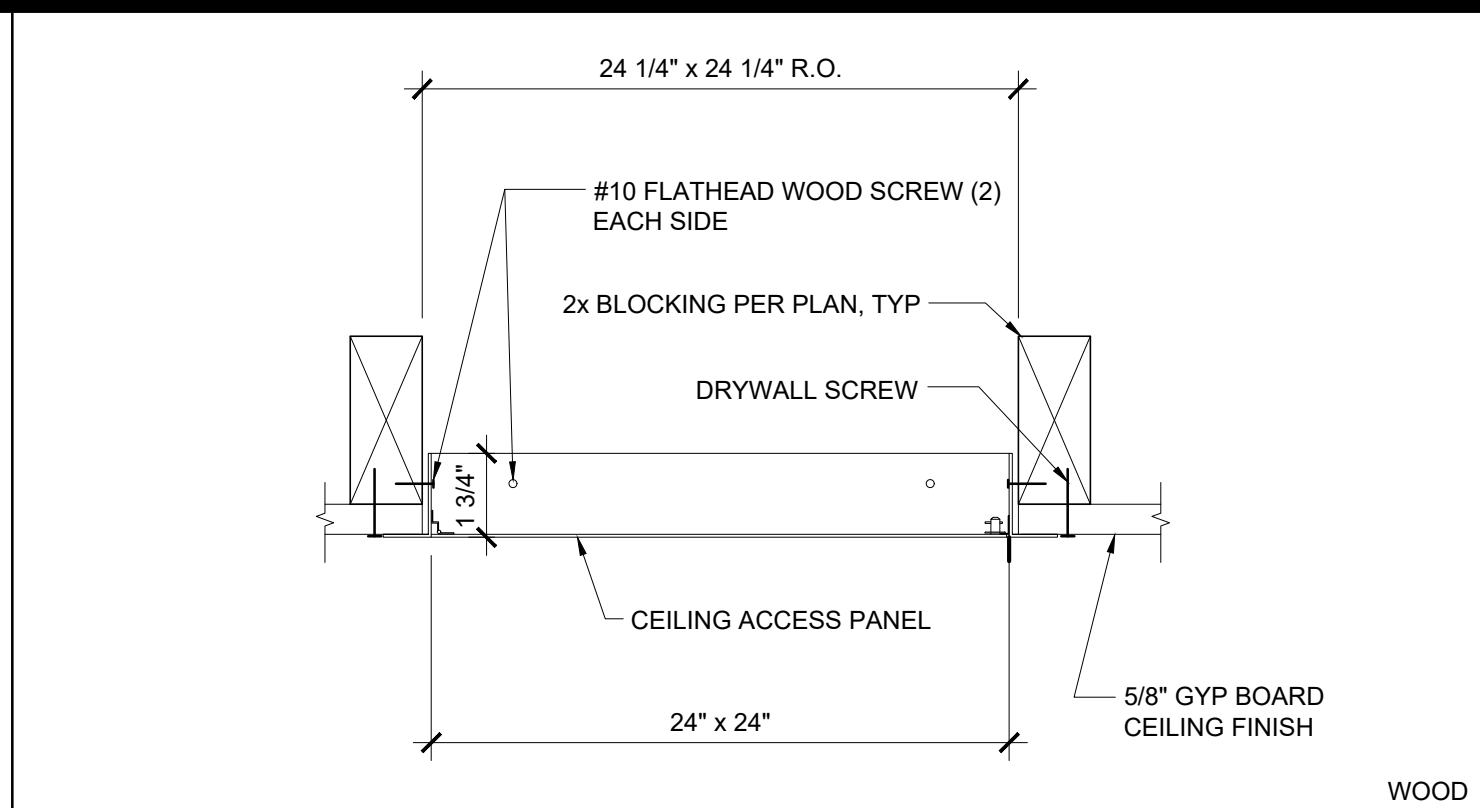
RECESS STEEL CEILING JOIST FRAMING PLAN SCALE : 1" = 1'-0" 16



CEILING ACCESS PANEL - STEEL SCALE : 3" = 1'-0" 11



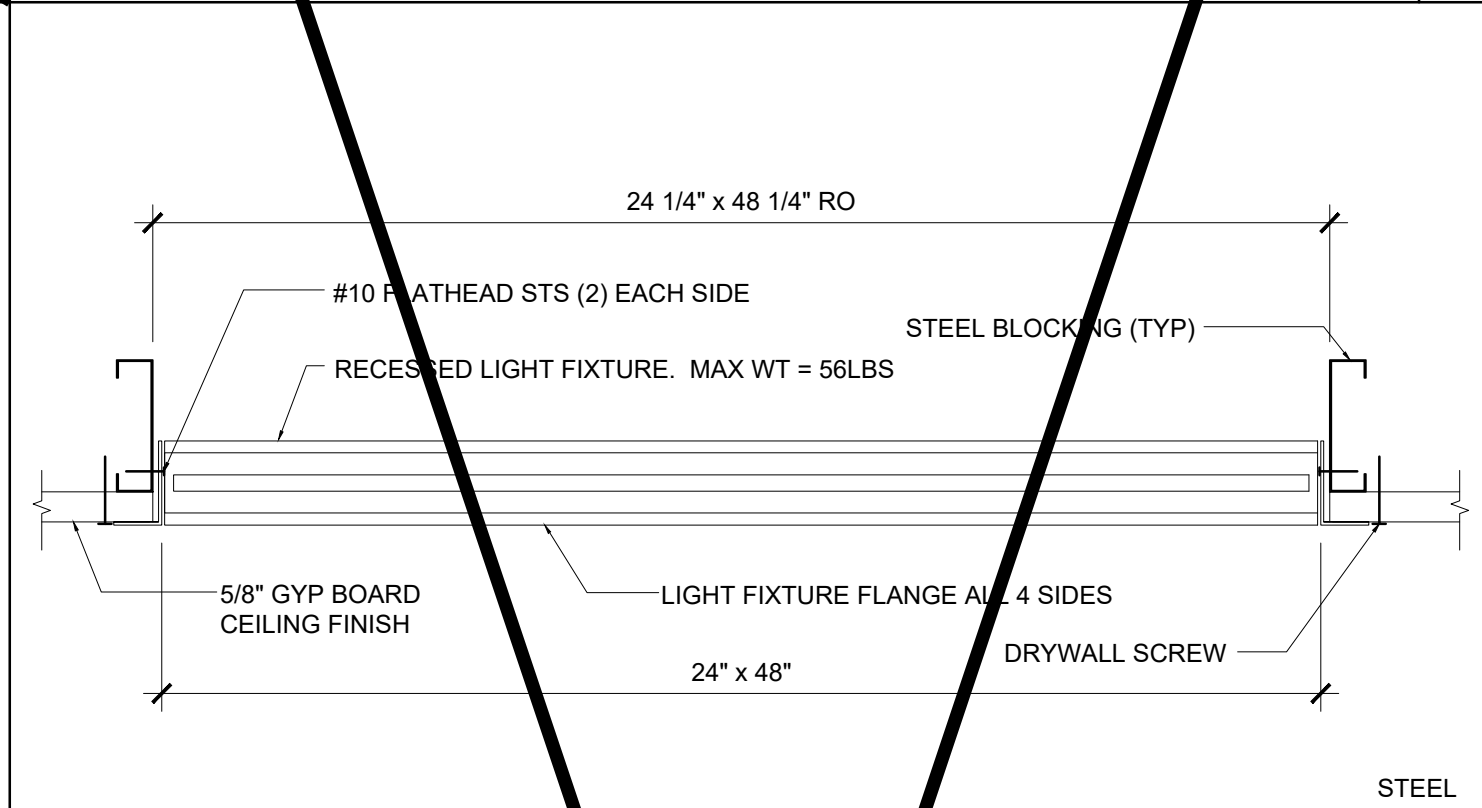
RECESS WOOD CEILING JOIST FRAMING PLAN SCALE : 1" = 1'-0" 6



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



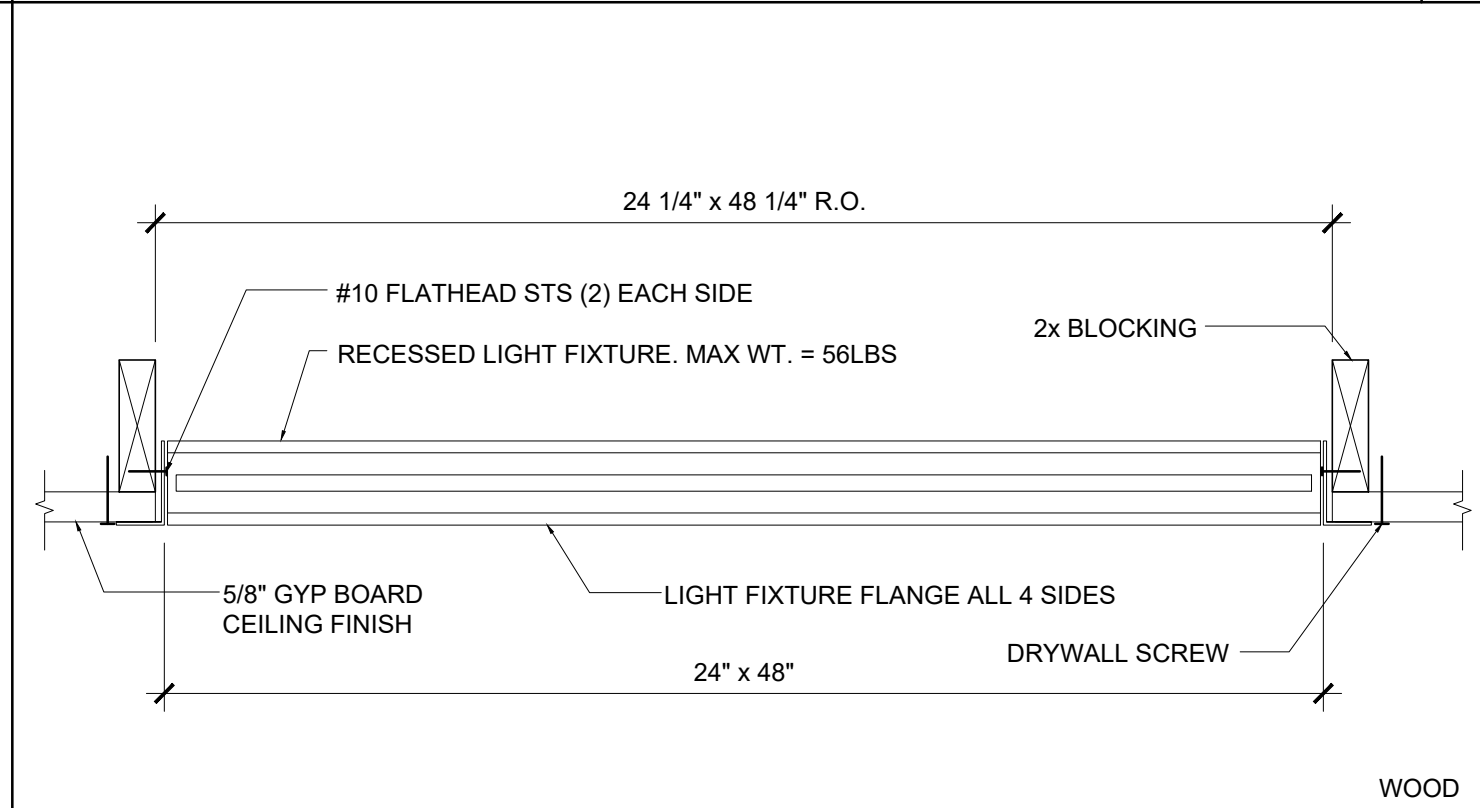
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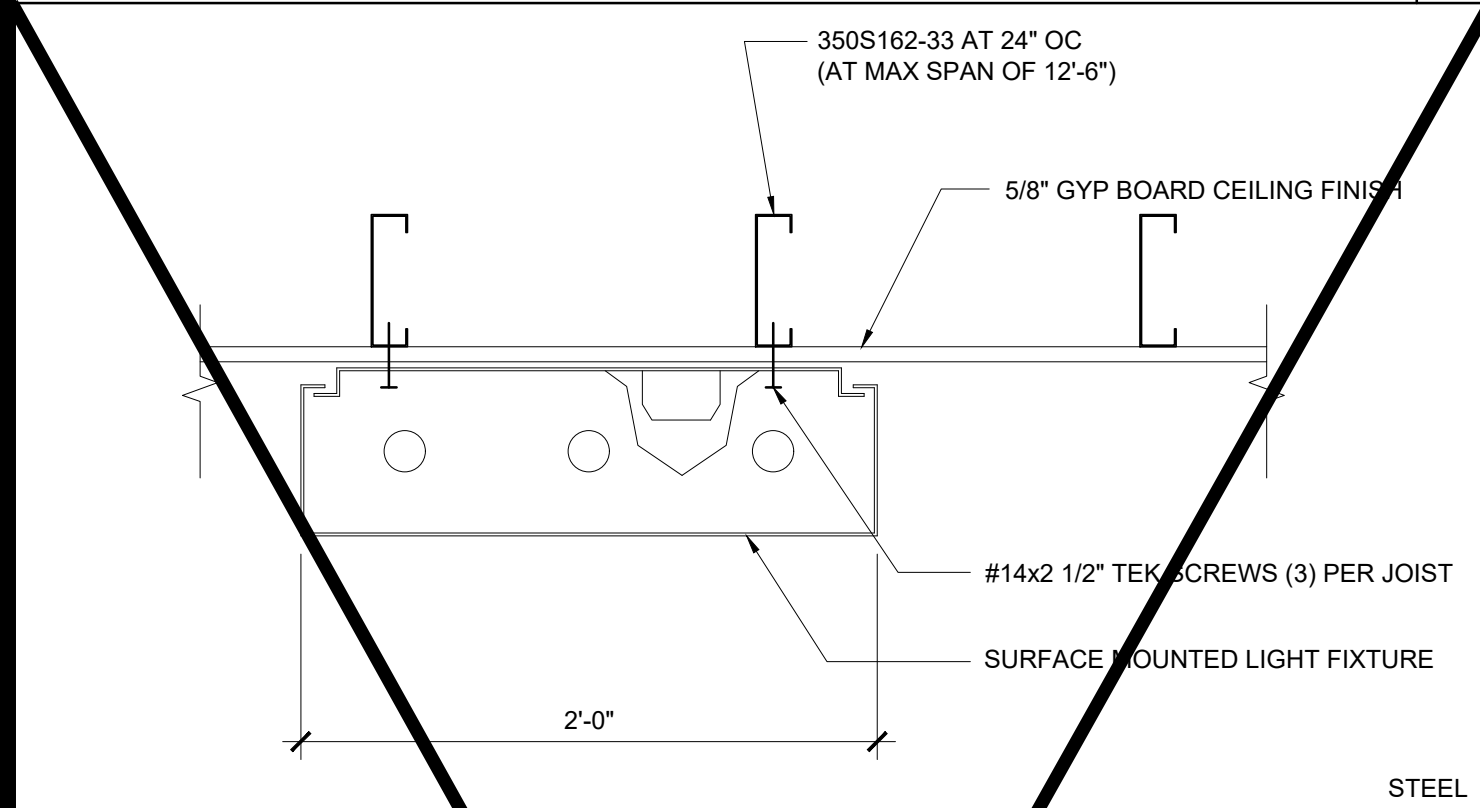
RECESSED LIGHT FIXTURE AT HARD LID SCALE : 1 1/2" = 1'-0" 12



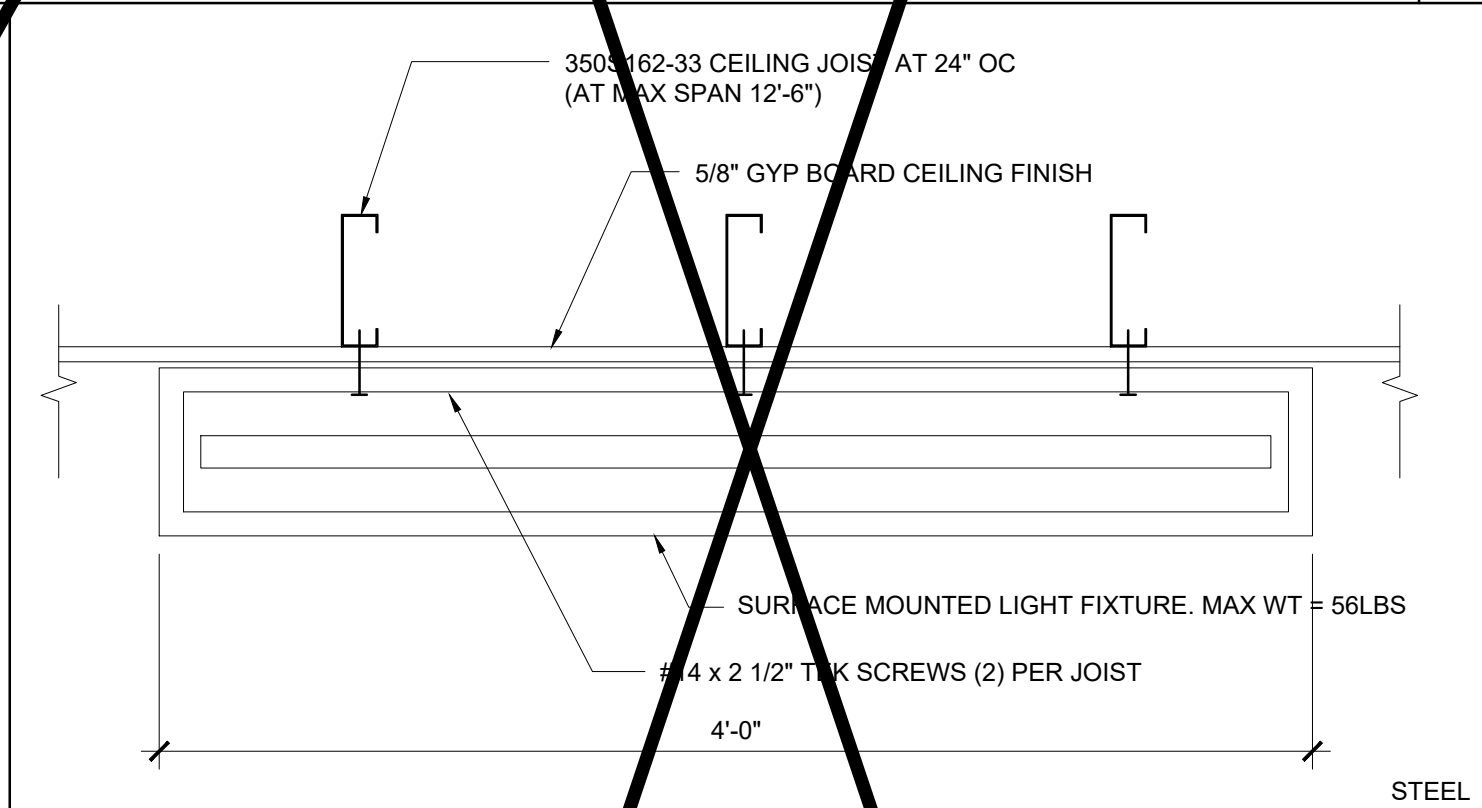
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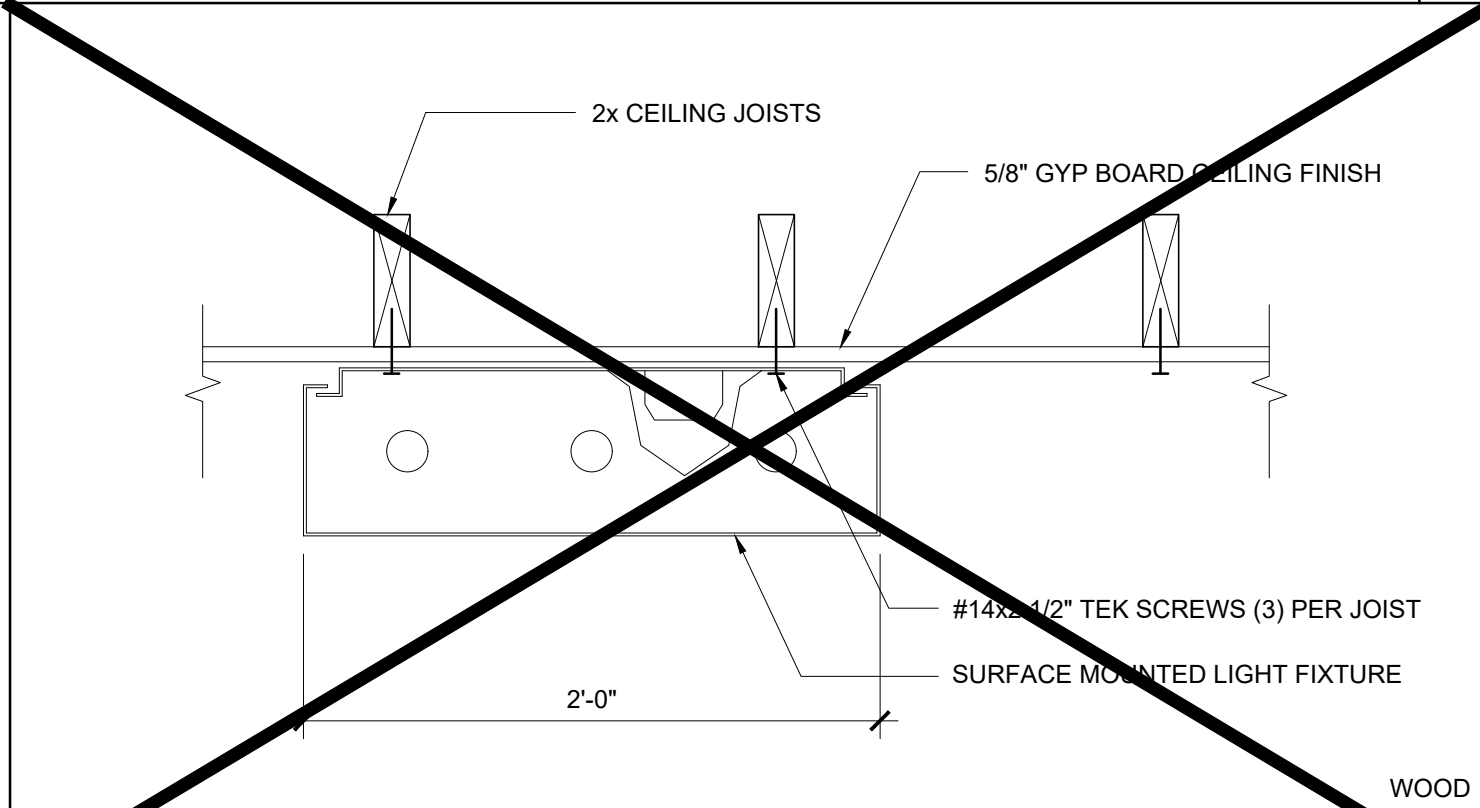
RECESSED LIGHT FIXTURE AT HARD LID SCALE : 1 1/2" = 1'-0" 2



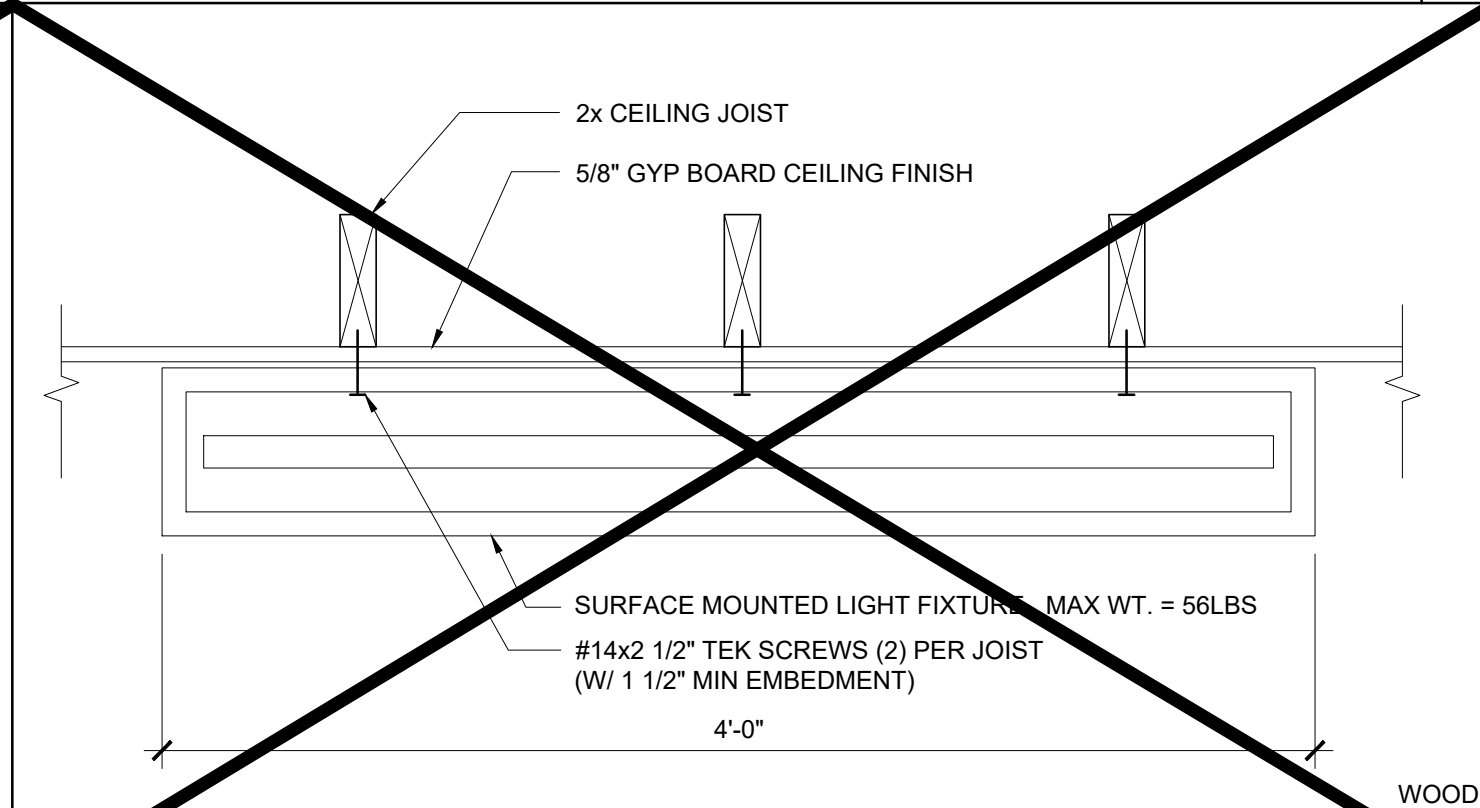
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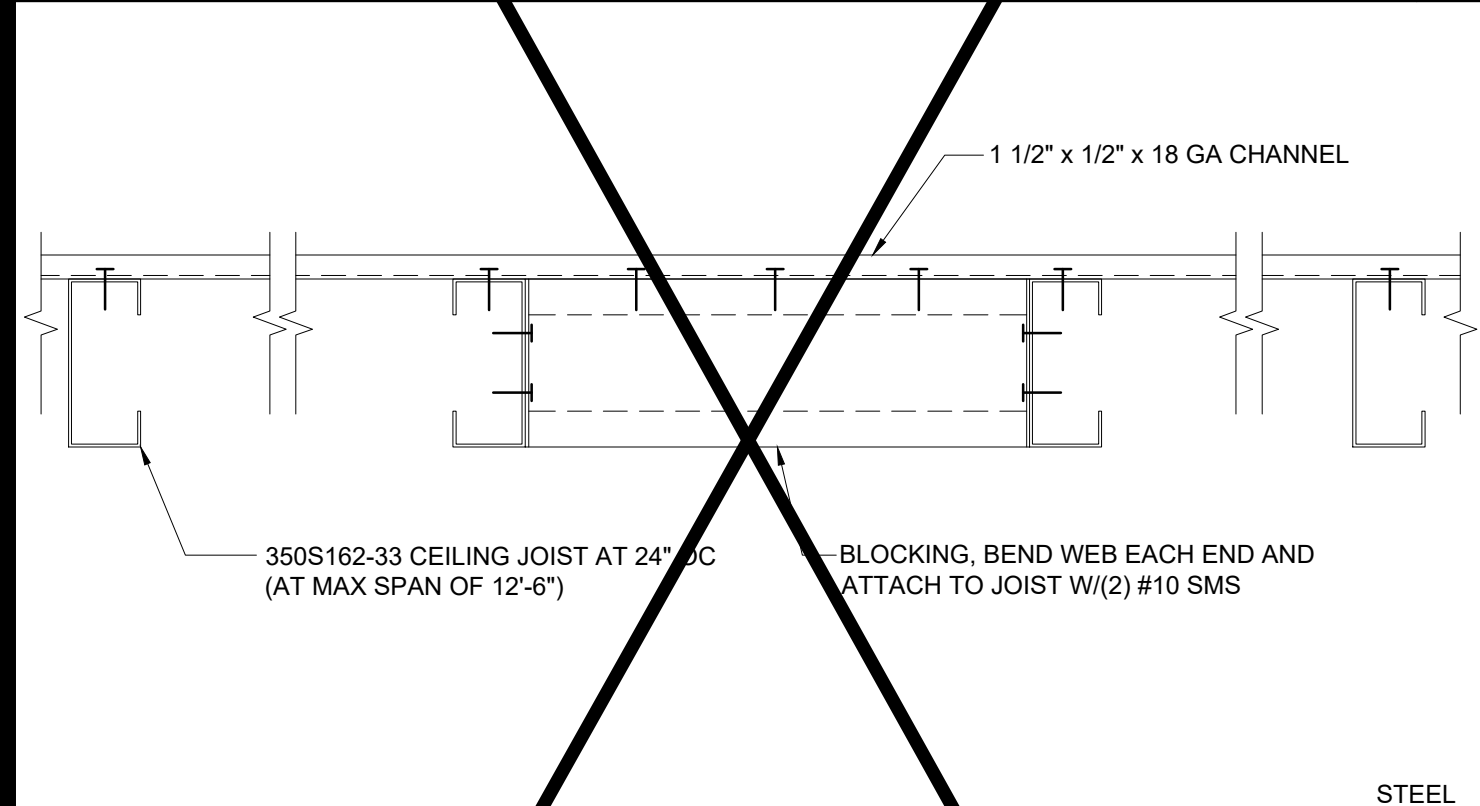
SURFACE MOUNTED LIGHT - PERPENDICULAR JOISTS SCALE : 1 1/2" = 1'-0" 13



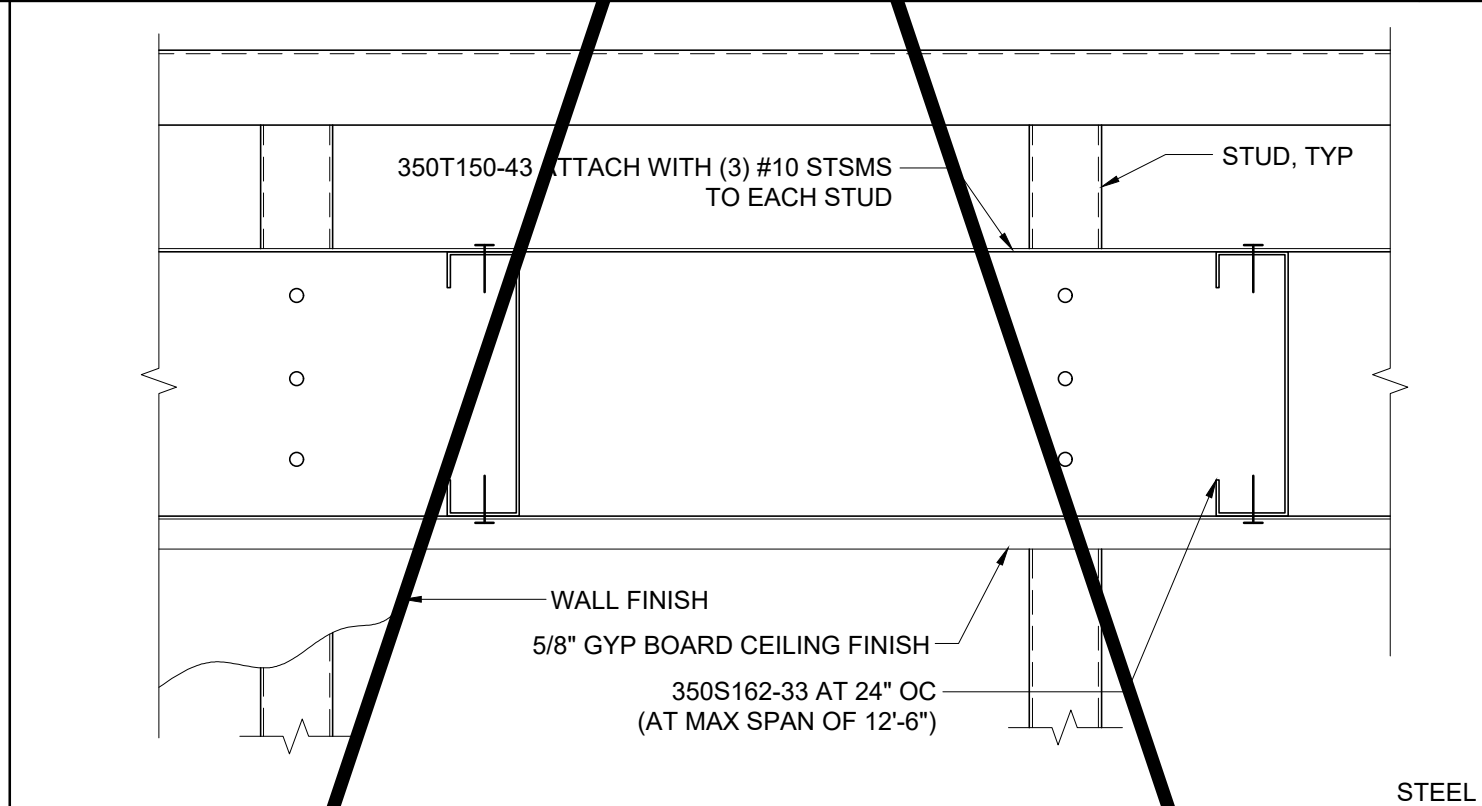
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SURFACE MOUNTED LIGHT - PERPENDICULAR JOISTS SCALE : 1 1/2" = 1'-0" 3



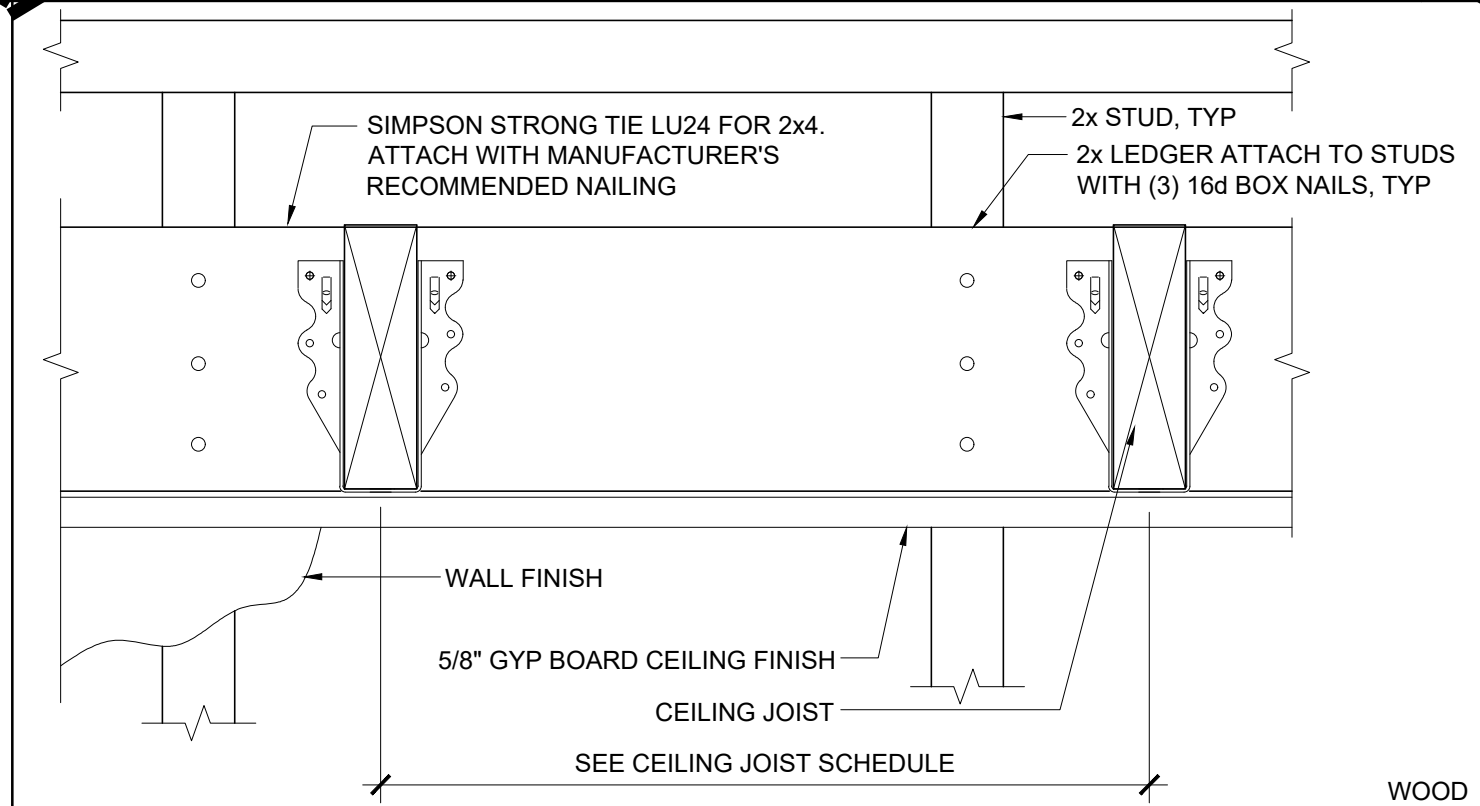
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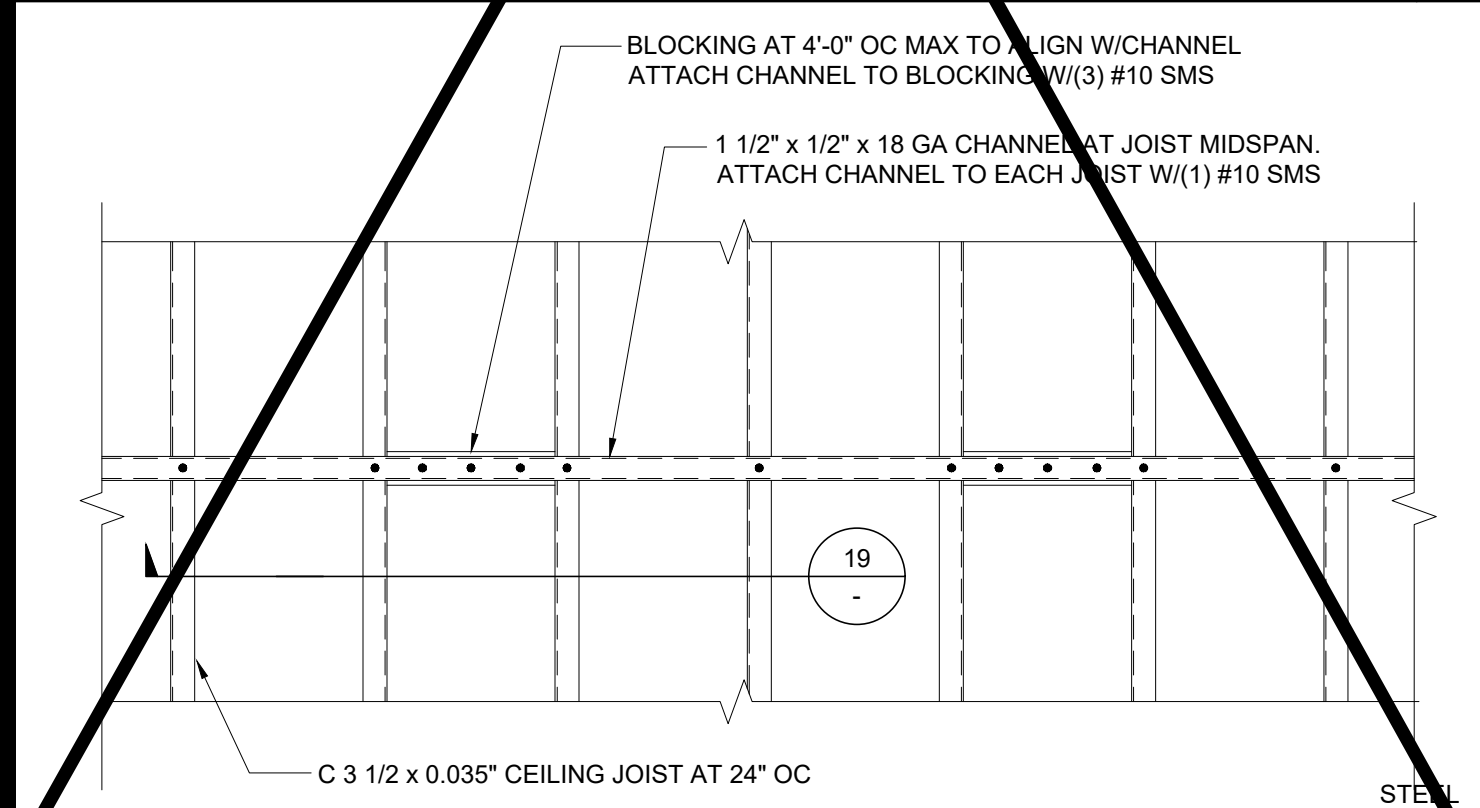
HARD LID CEILING CONNECTION - STEEL SCALE : 3" = 1'-0" 14



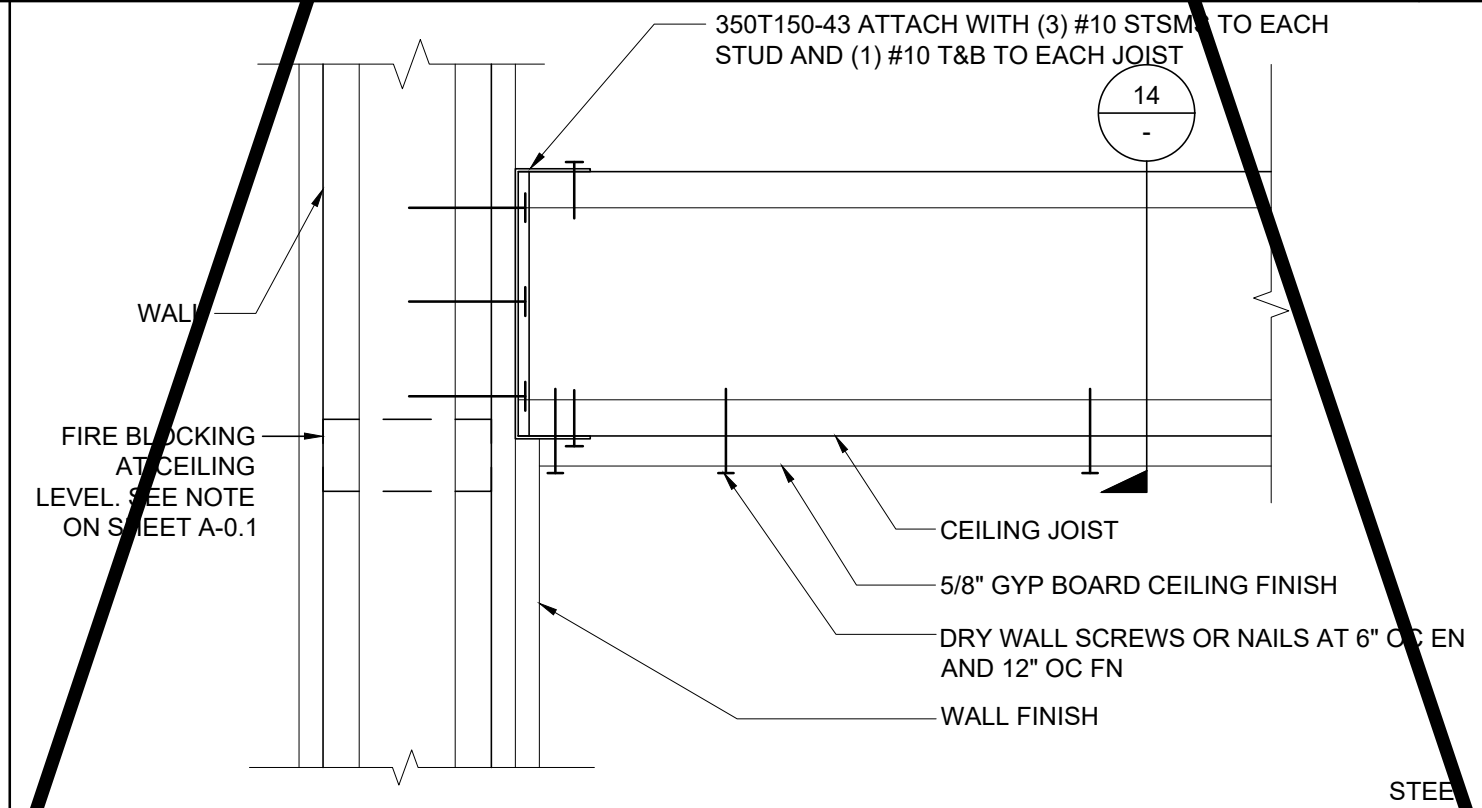
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HARD LID CEILING CONNECTION SCALE : 3" = 1'-0" 4



NOT USED 20

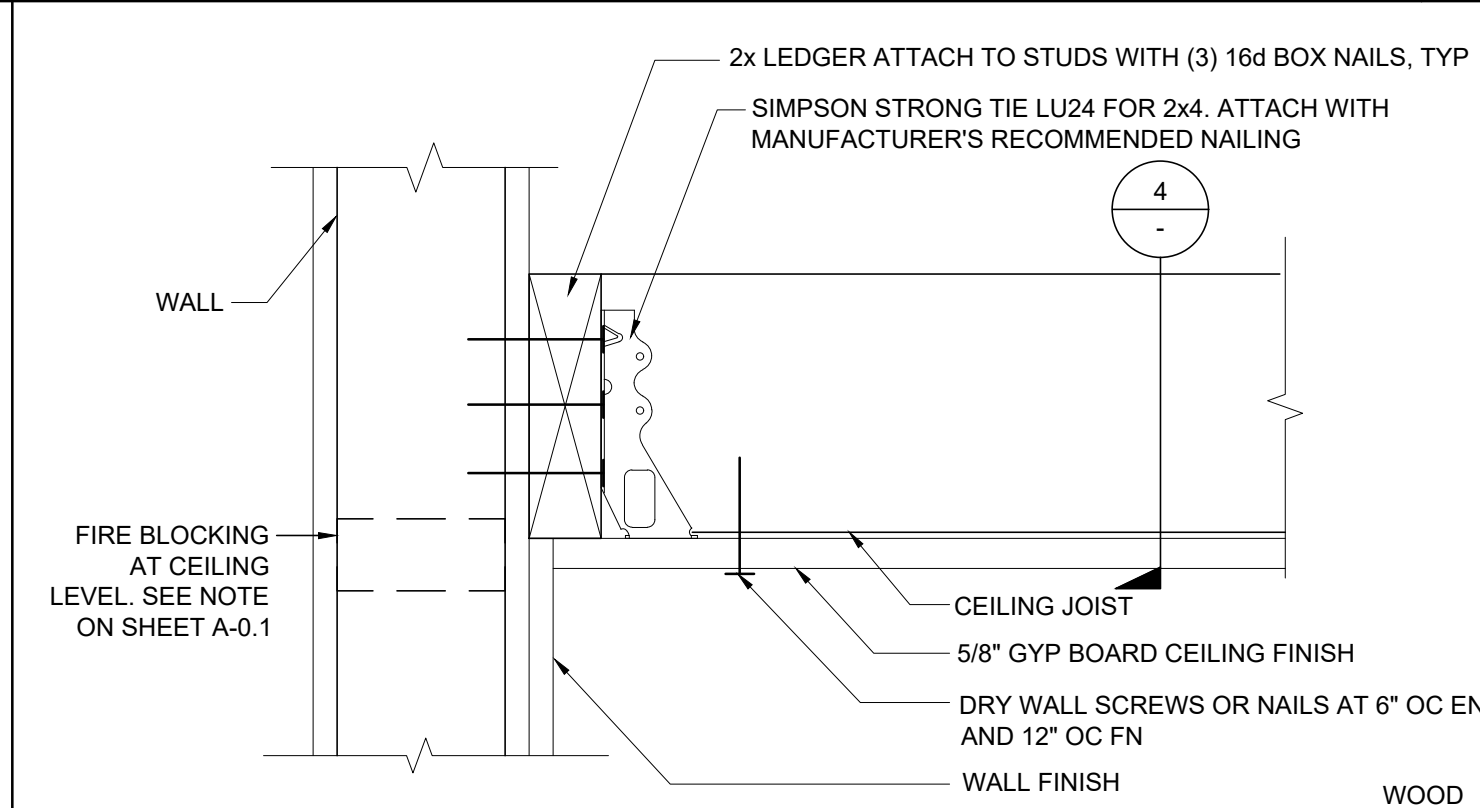


HARD LID CEILING CONNECTION STEEL SCALE : 3" = 1'-0" 15

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 10



HARD LID CEILING CONNECTION SCALE : 3" = 1'-0" 5

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DATE: 02/17/2026

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:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

CEILING DETAILS
HARD LID

REVISIONS

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121999 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:

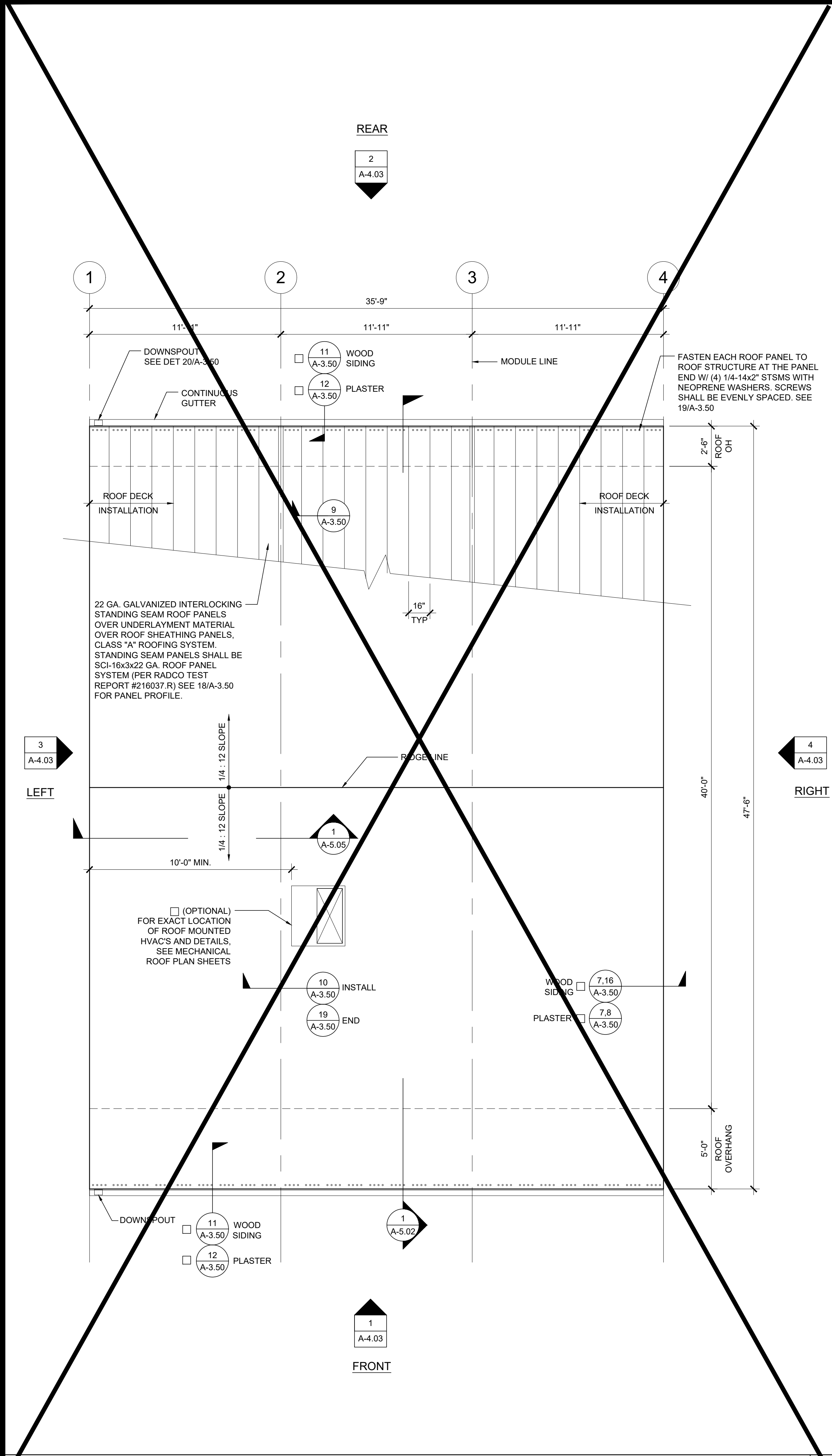
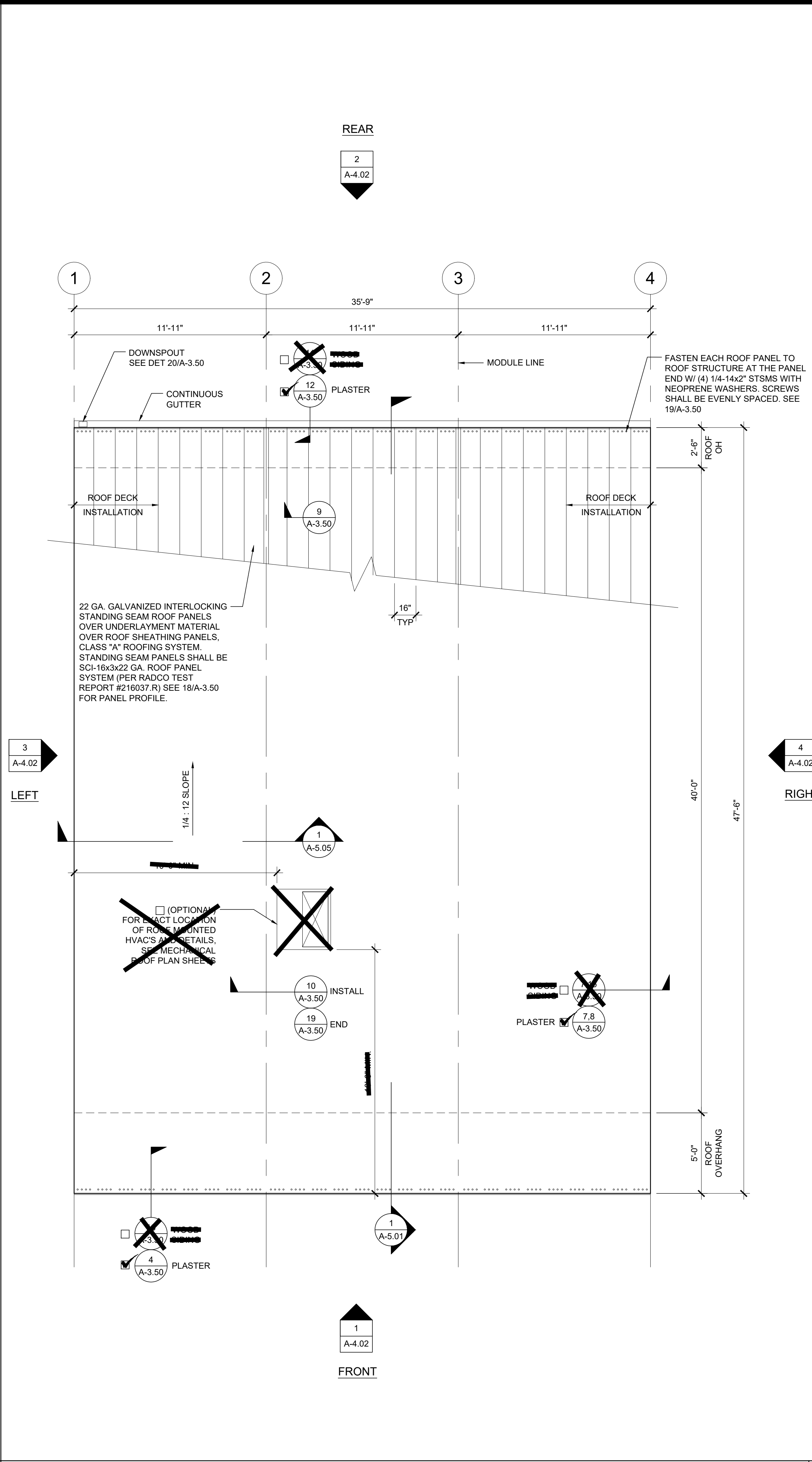
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

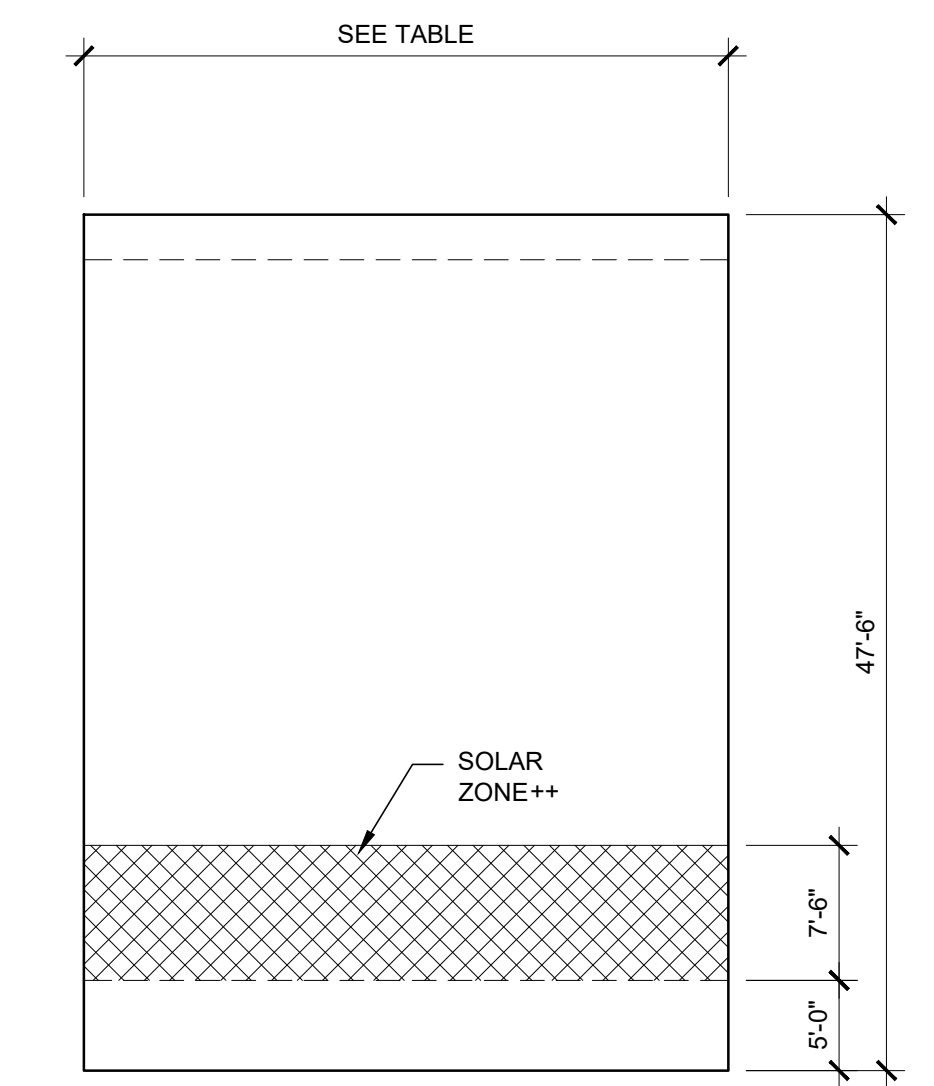
P.C. SHEET NUMBER

A-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 718-2.60
 - SEE DETAIL "A" (THIS SHEET) FOR ROOF SYSTEM UPLIFT CAPACITY

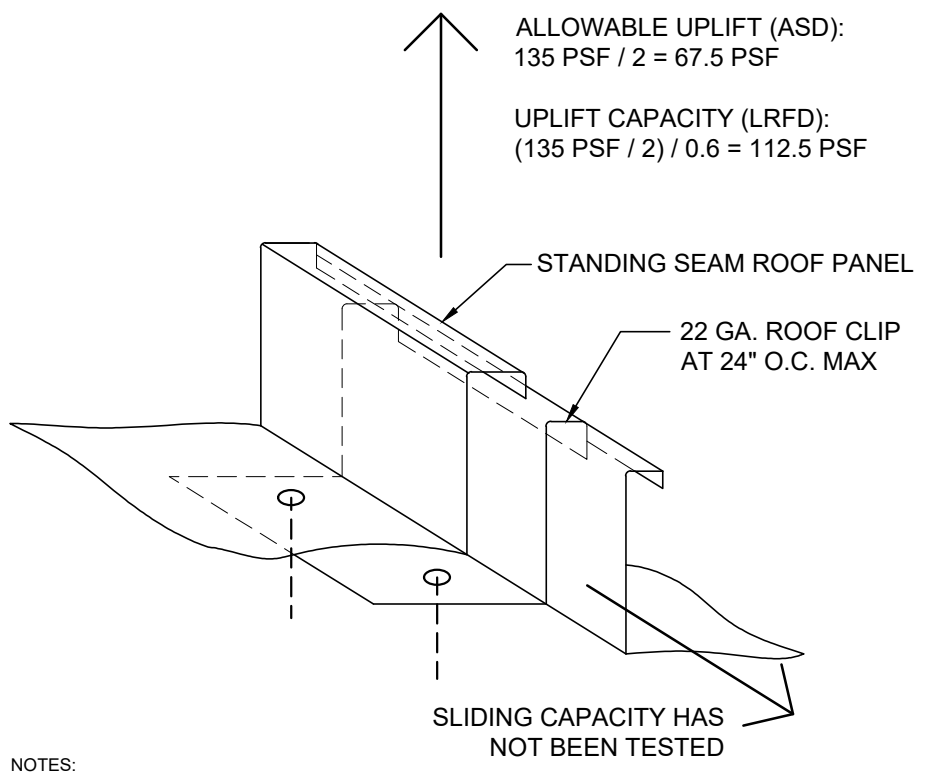
SOLAR ZONE



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.



- 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 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).

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PROJECT NAME:
**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

SHEET TITLE:
**ROOF PLAN
36' x 40' - METAL DECK
MONO OR DUAL SLOPE**

REVISIONS

1	
2	
3	
4	
5	

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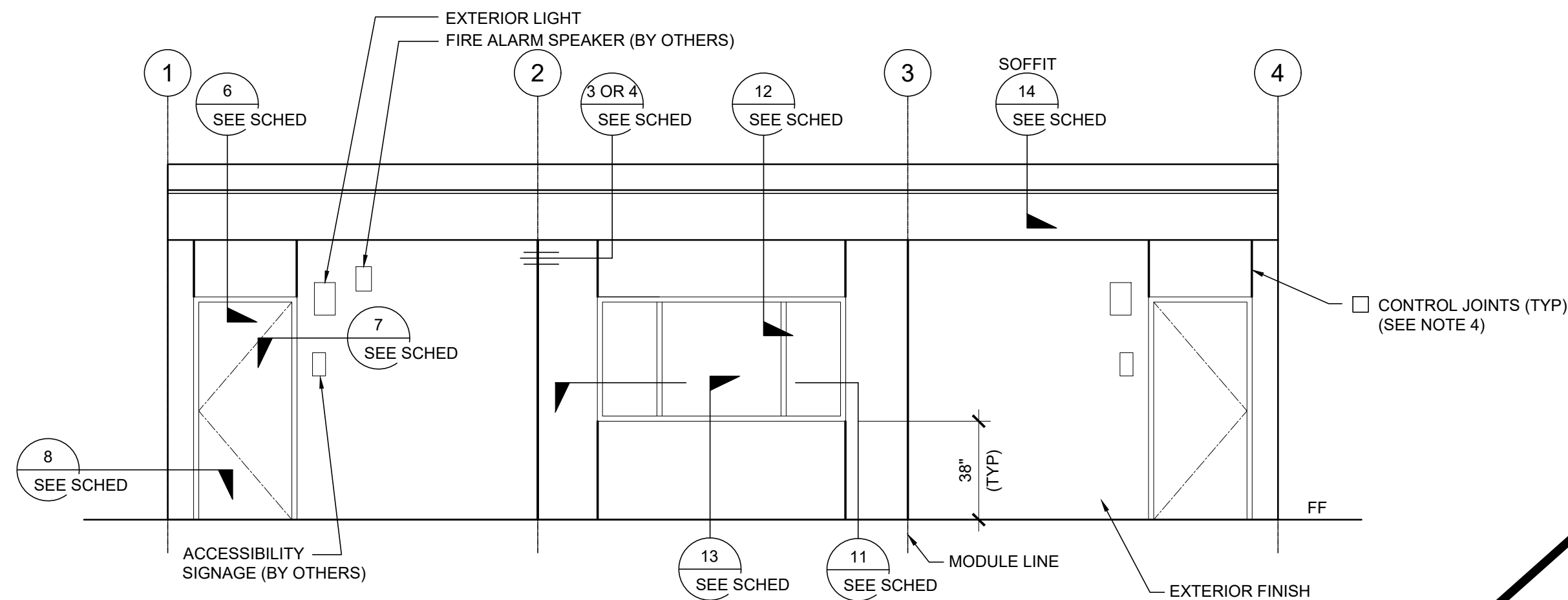
PC STATE AGENCY APPROVAL

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

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

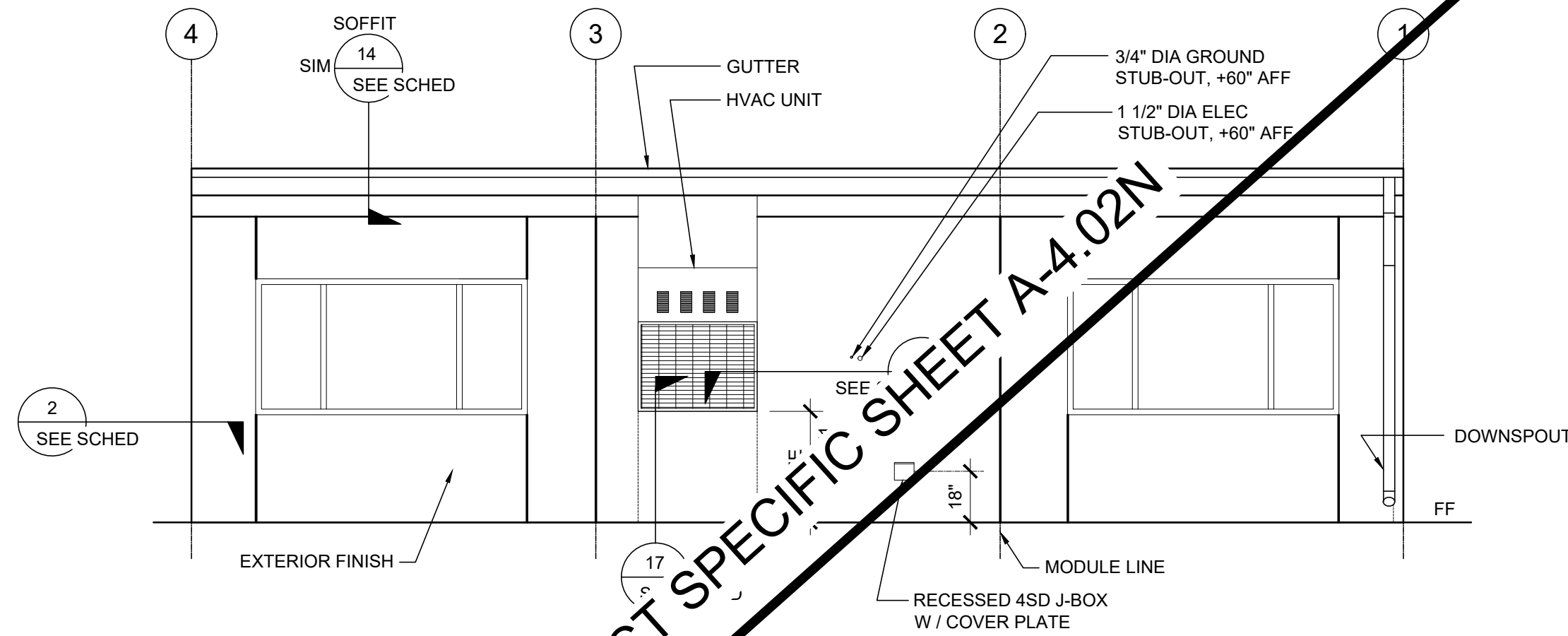
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023
P.C. SHEET NUMBER
A-3.02



EXTERIOR ELEVATIONS - FRONT - MONO SLOPE

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

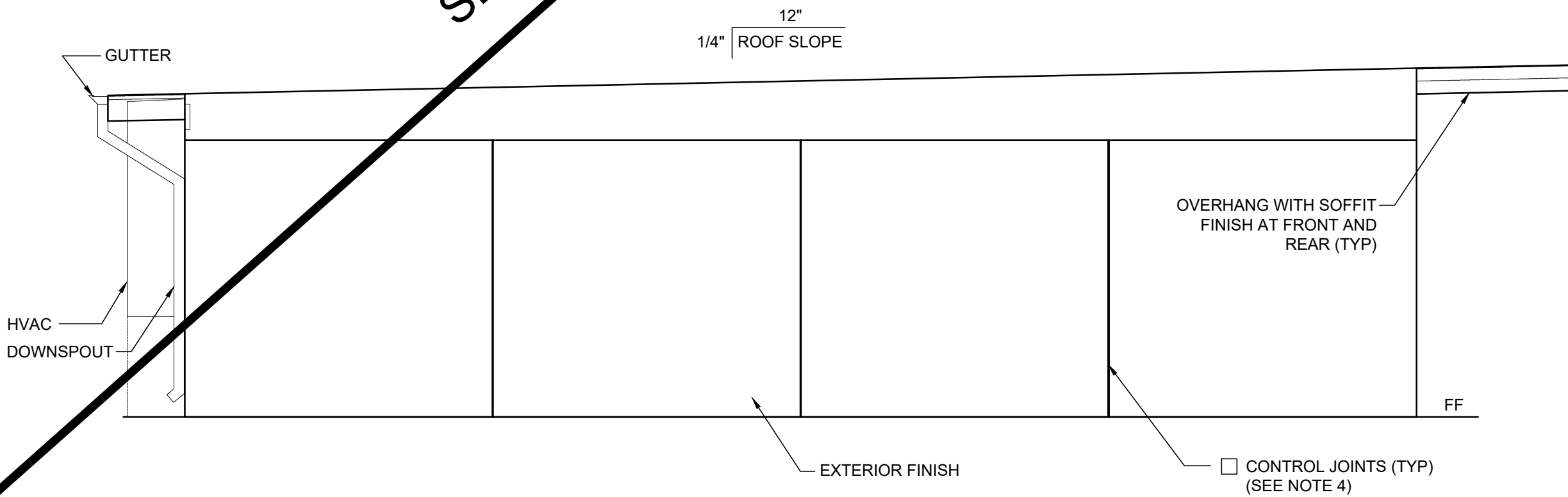
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EXTERIOR ELEVATIONS - REAR - MONO SLOPE

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

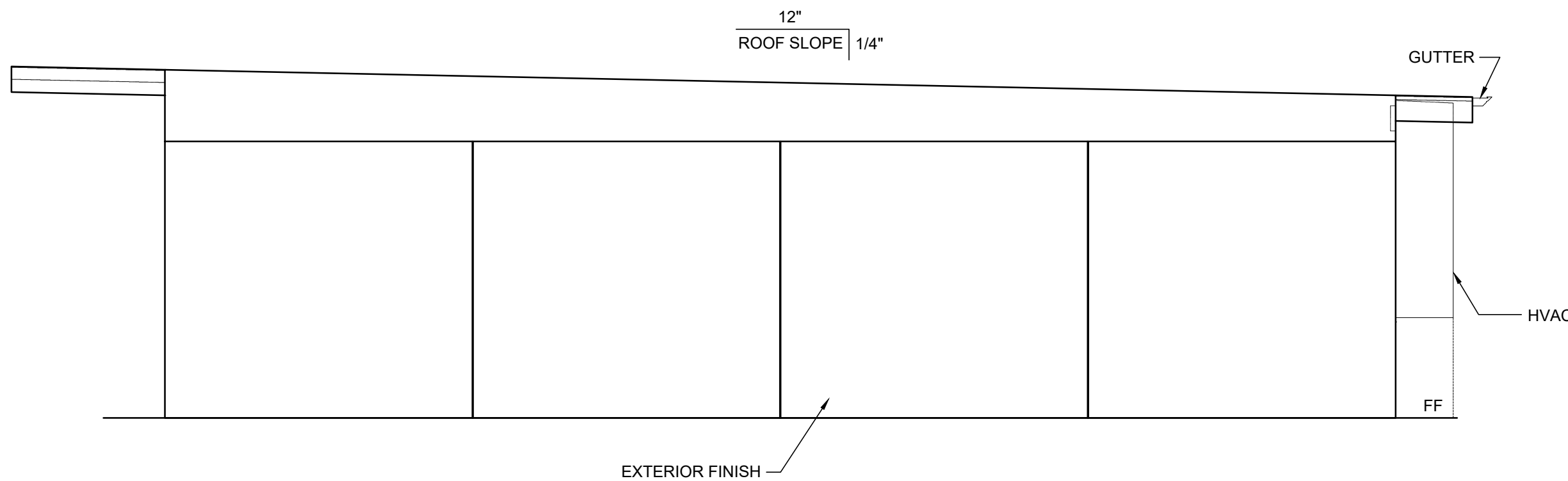
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EXTERIOR ELEVATIONS - LEFT - MONO SLOPE

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

3



EXTERIOR ELEVATIONS - RIGHT - MONO SLOPE

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

4

NOTES (EXTERIOR ELEVATION)

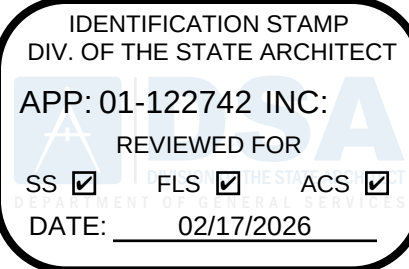
1. PROVIDE PROTECTION RAIL AROUND HVAC UNIT(S) IF LOCATED IN A PEDESTRIAN WAY IF THE HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" (NIC). REFERENCE TO DET. # 2/A5.81 FOR WOOD STUDS, # 17/A5.81 FOR STEEL STUDS
2. RAMP (WHERE OCCURS), NOT SHOWN FOR CLARITY.
3. WALL BEYOND HANDRAIL SHALL NOT HAVE ANY 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 #:
☐ SIDING OVER WOOD STUDS	A-5.50
☒ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63



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MONTE VERDE E.S.
TK-CLASSROOM

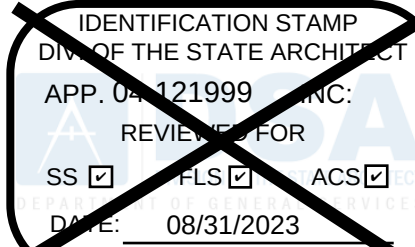
SHEET TITLE:

EXTERIOR ELEVATION
36' X 40'
MONO SLOPE

REVISIONS

1	
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DRAWN BY:

SCALE: AS NOTED

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P.C. SHEET NUMBER

A-4.02

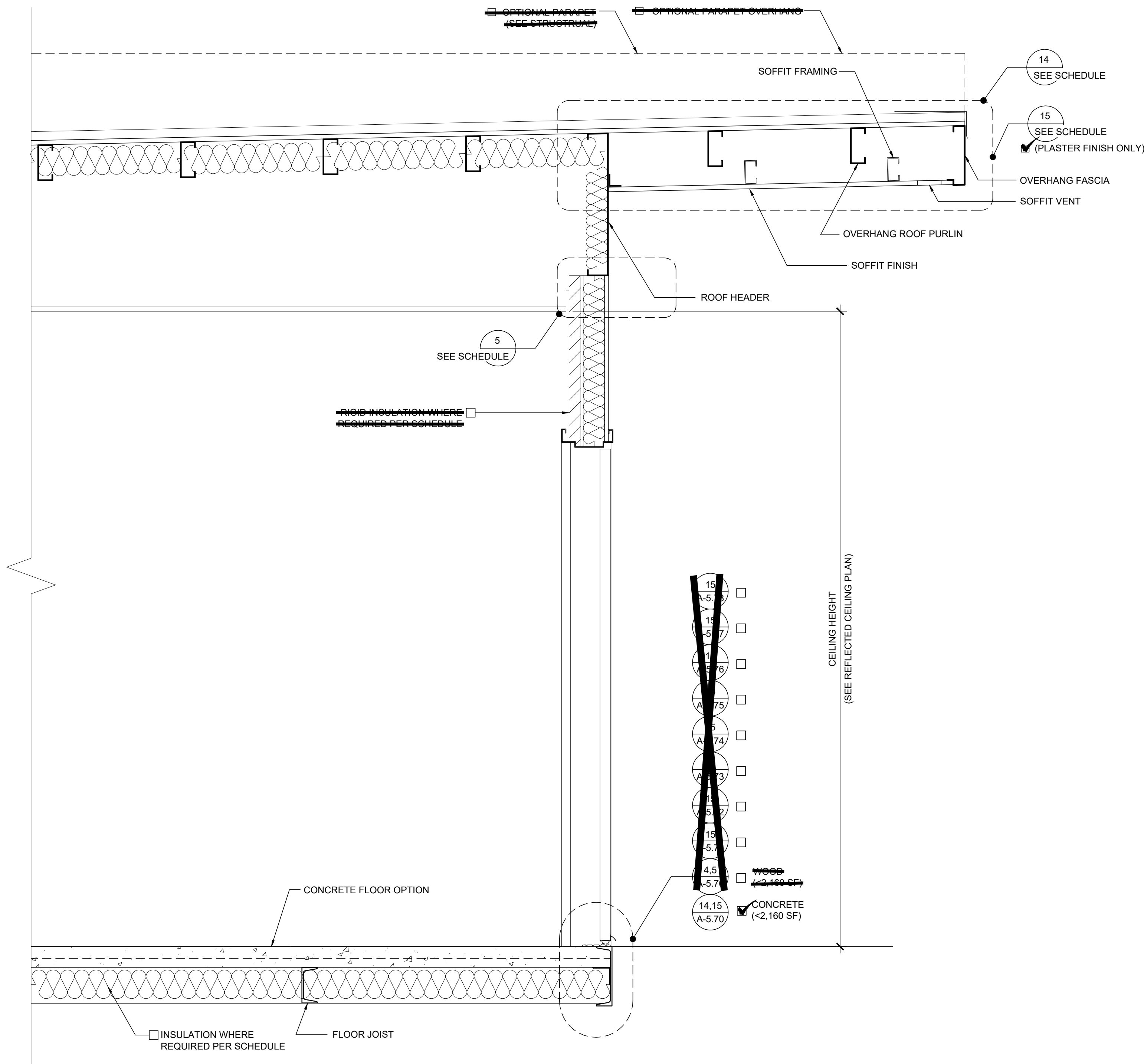
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DETAIL SCHEDULE	
FINISH:	SHEET #:
☐ SIDING OVER WOOD STUDS	A-5.50
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☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61
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☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63
FLOOR OPTION	
☐ WOOD FLOOR	
☒ 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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MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

CROSS SECTION

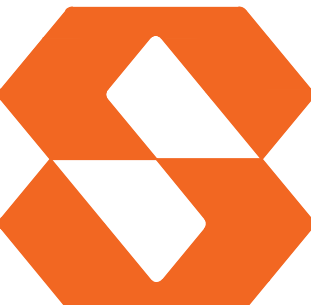
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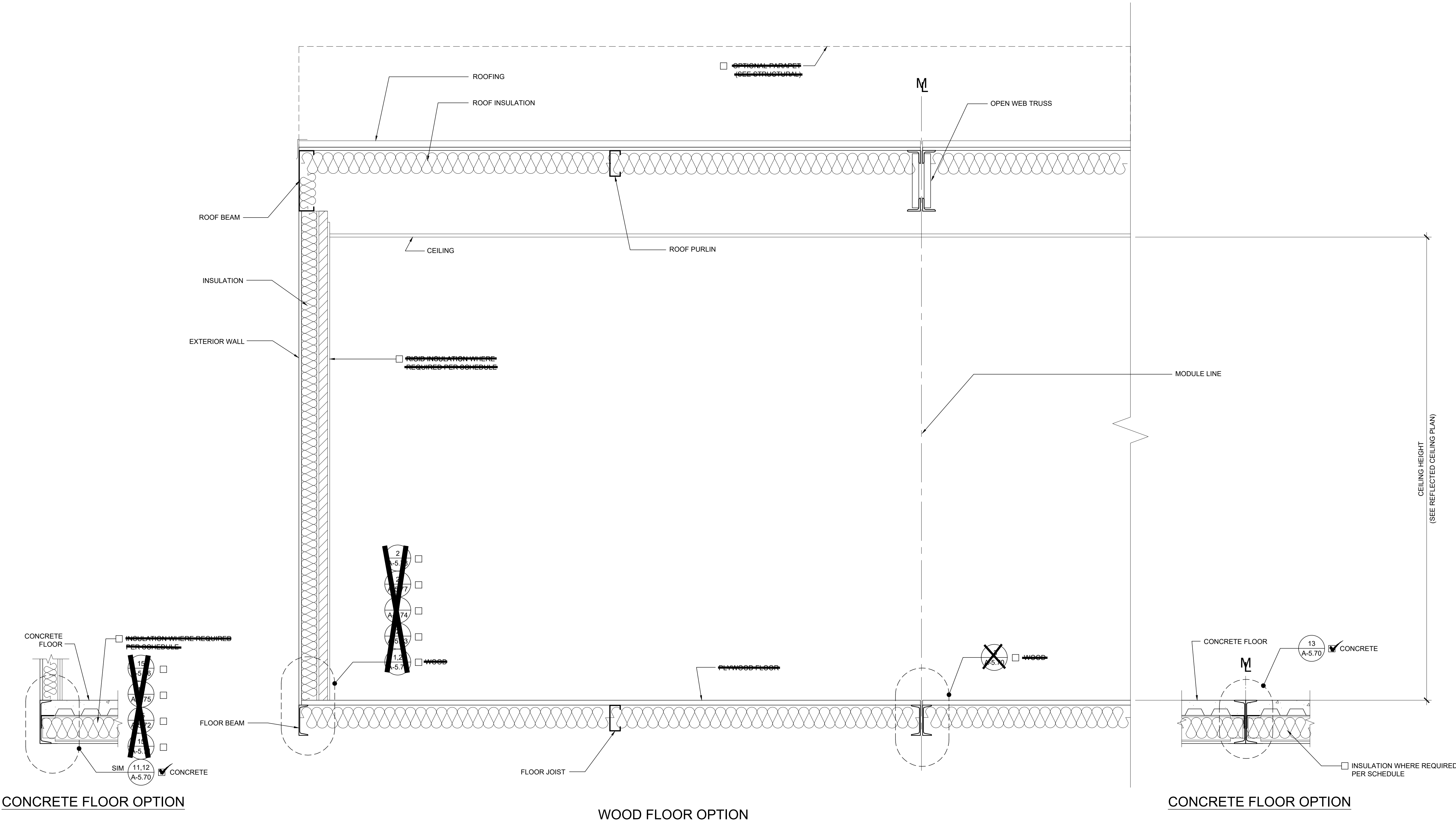
DATE: 02-27-2023

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A-5.05

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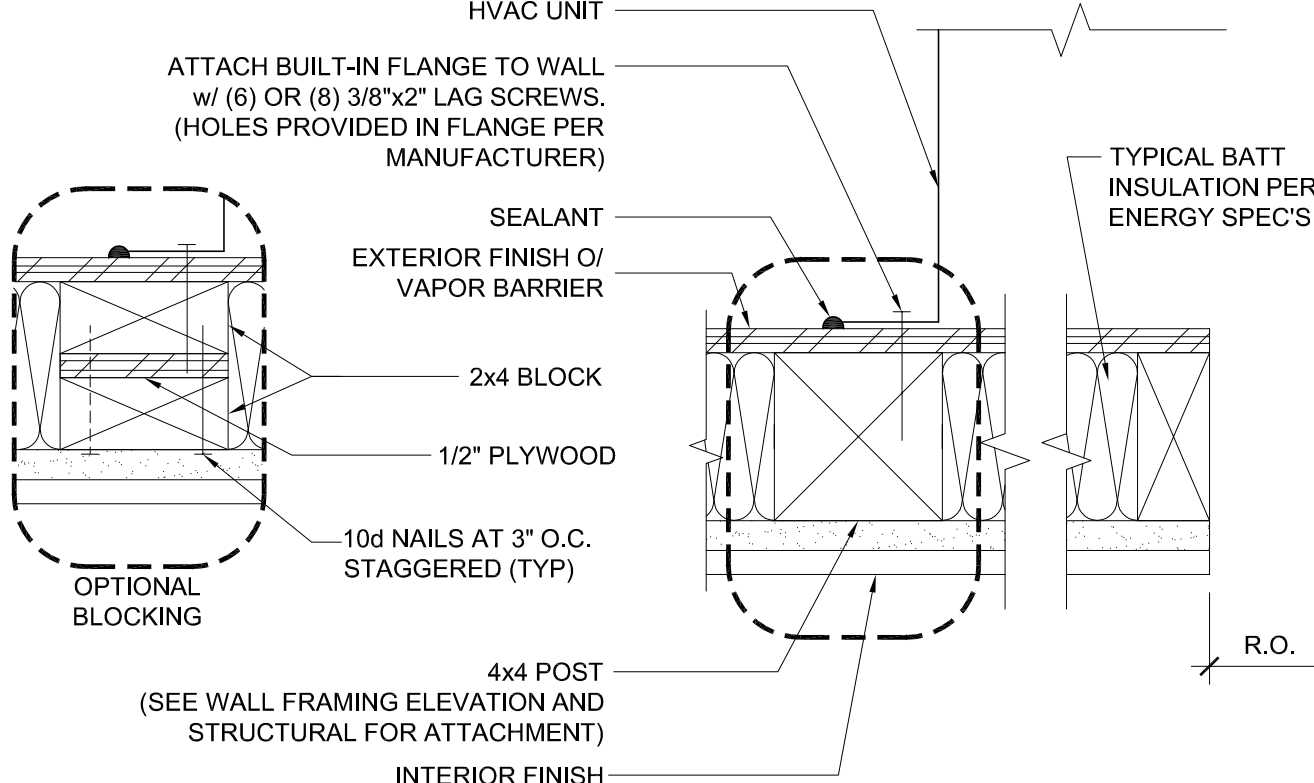
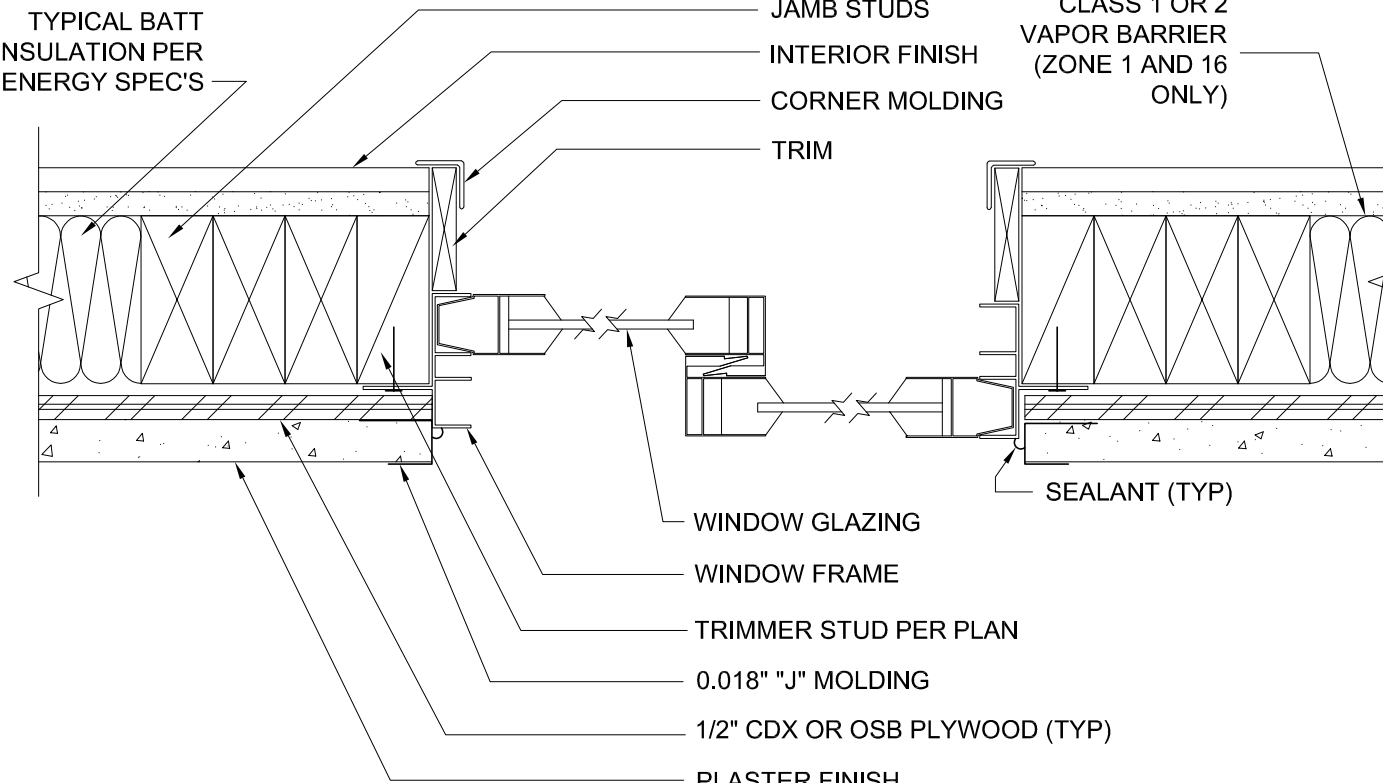
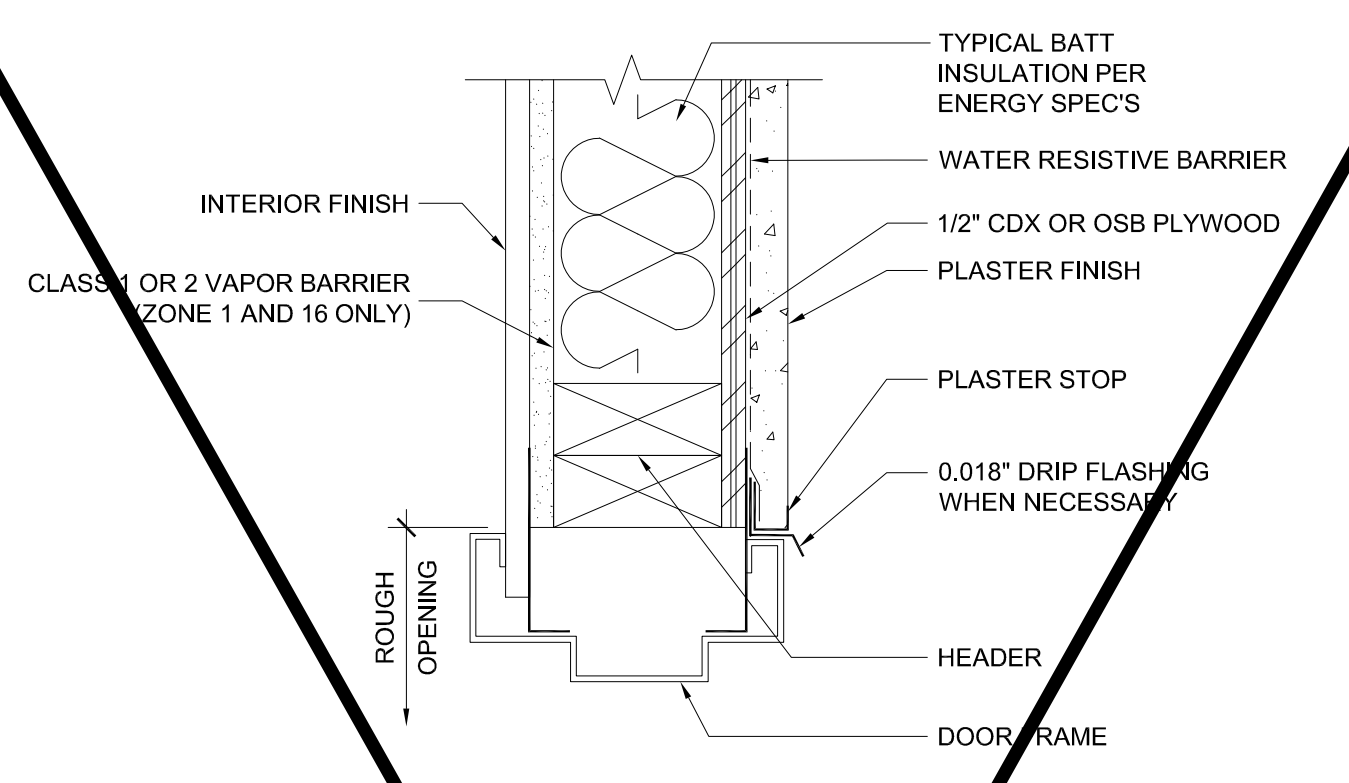
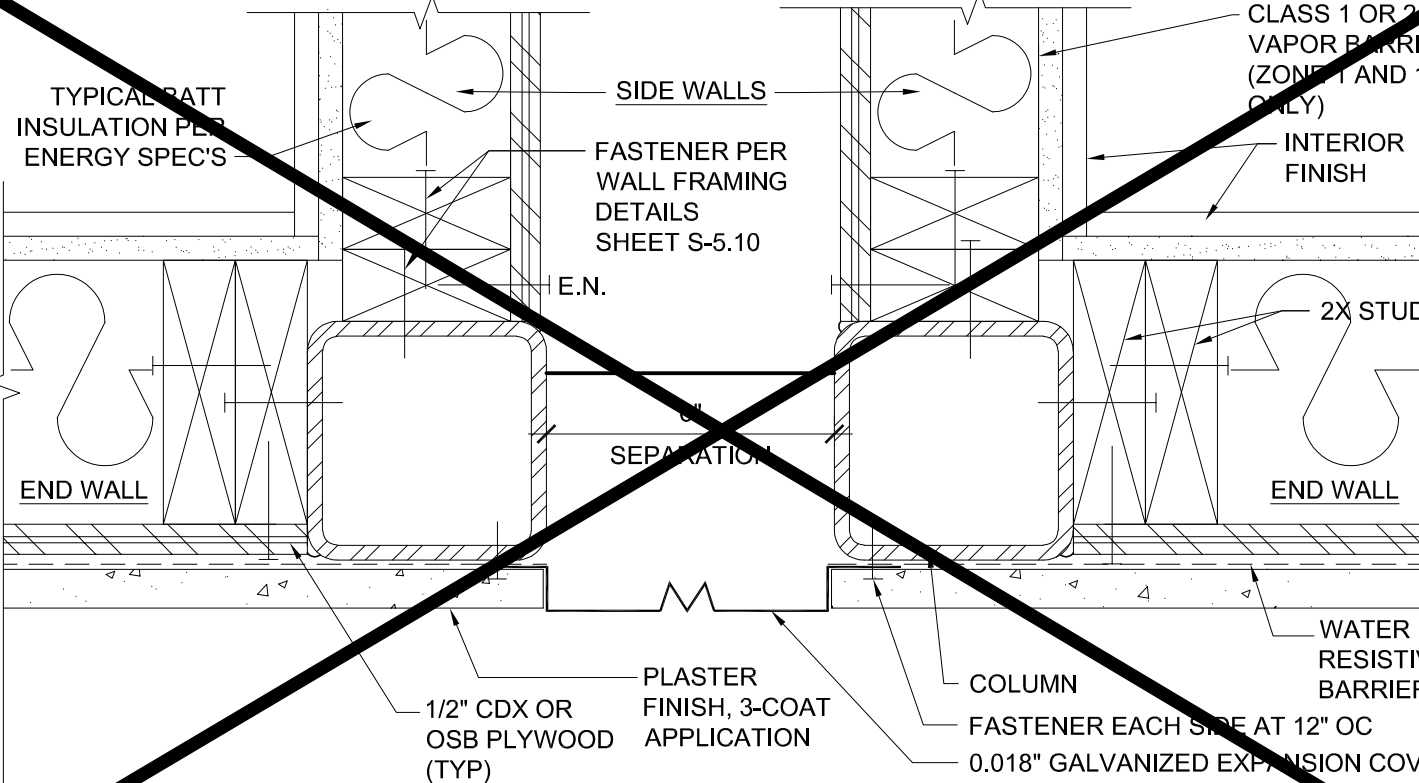
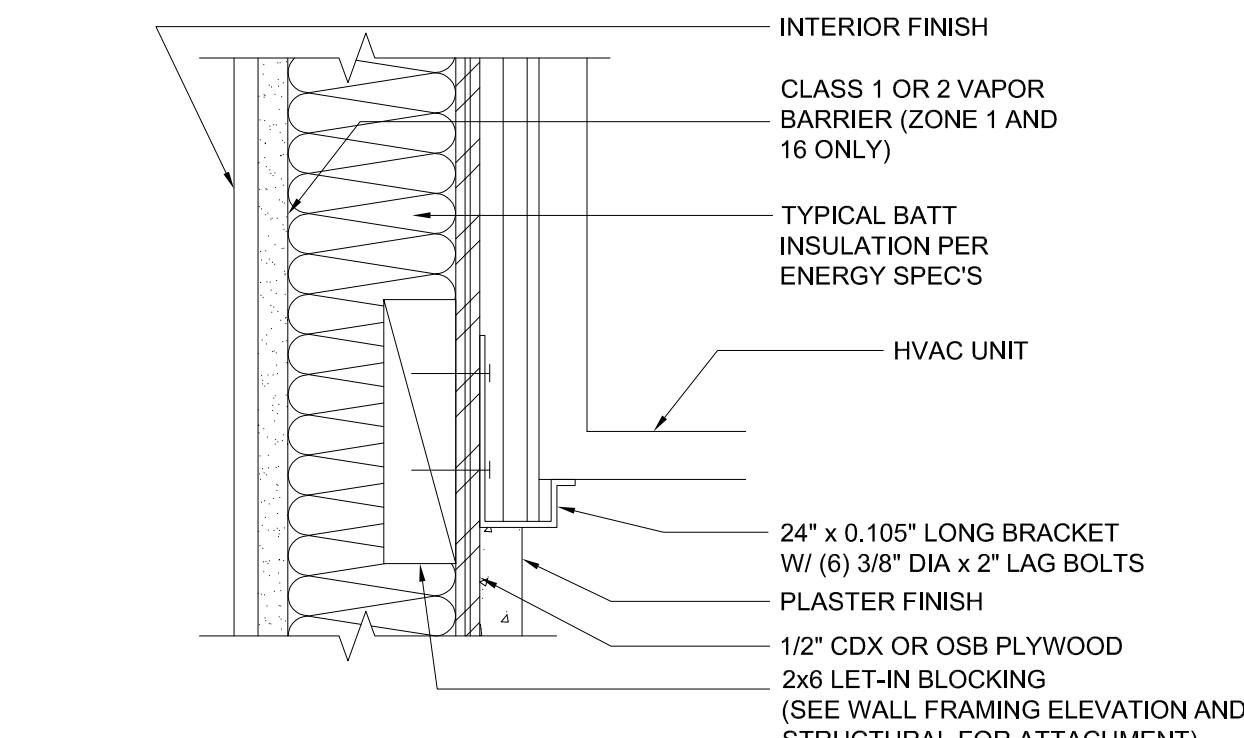
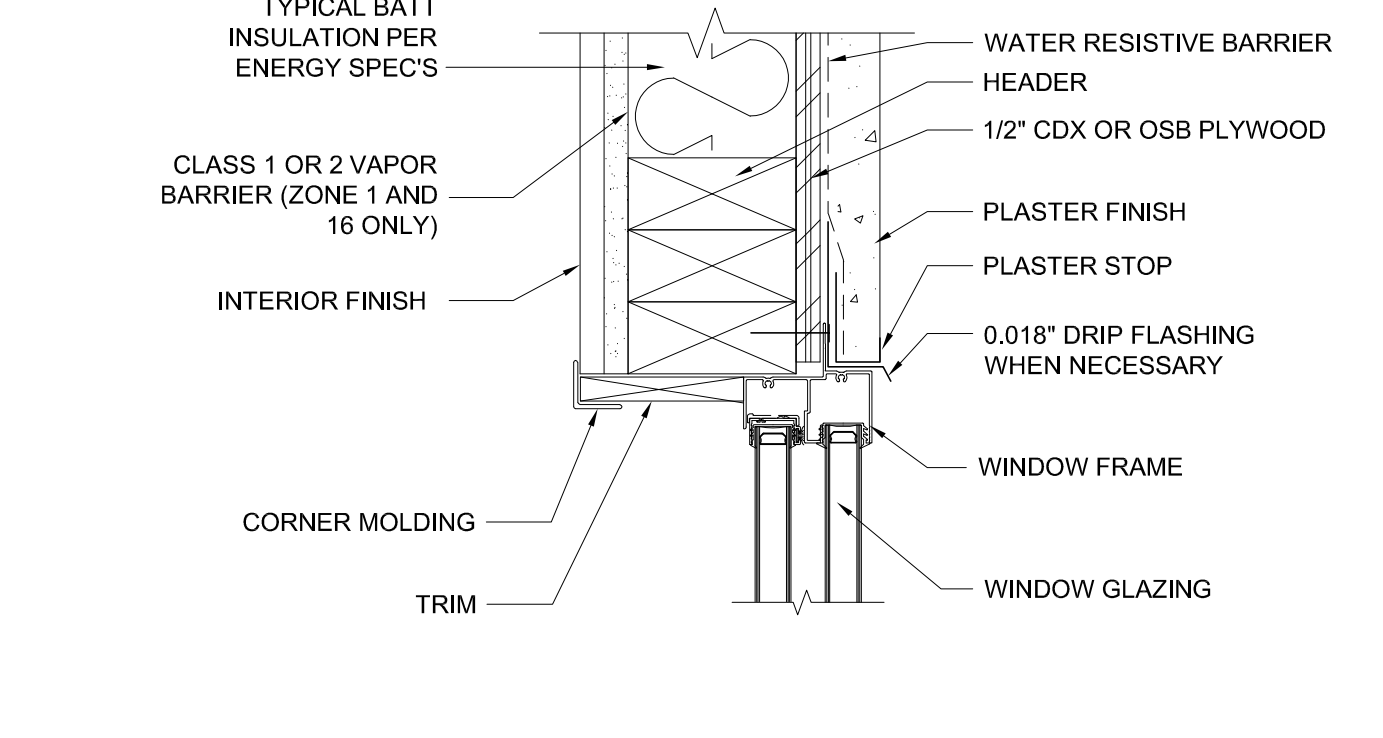
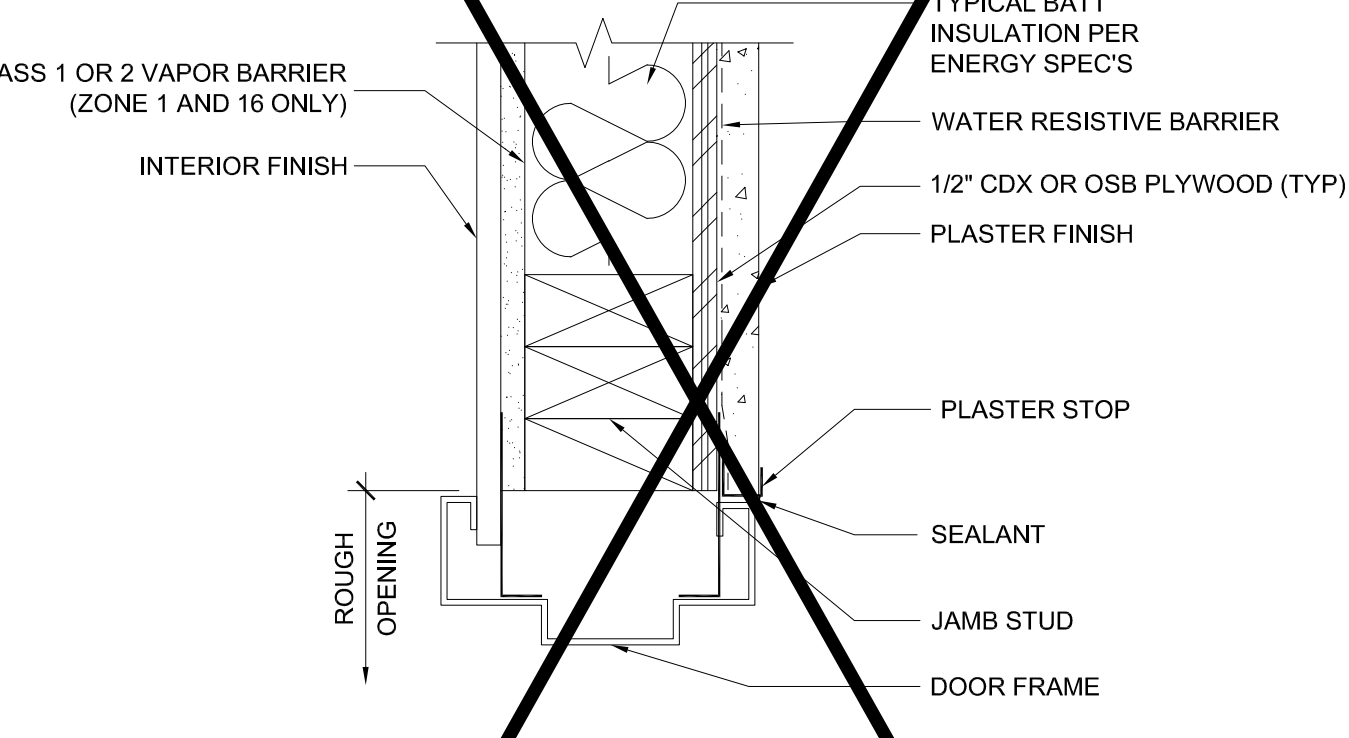
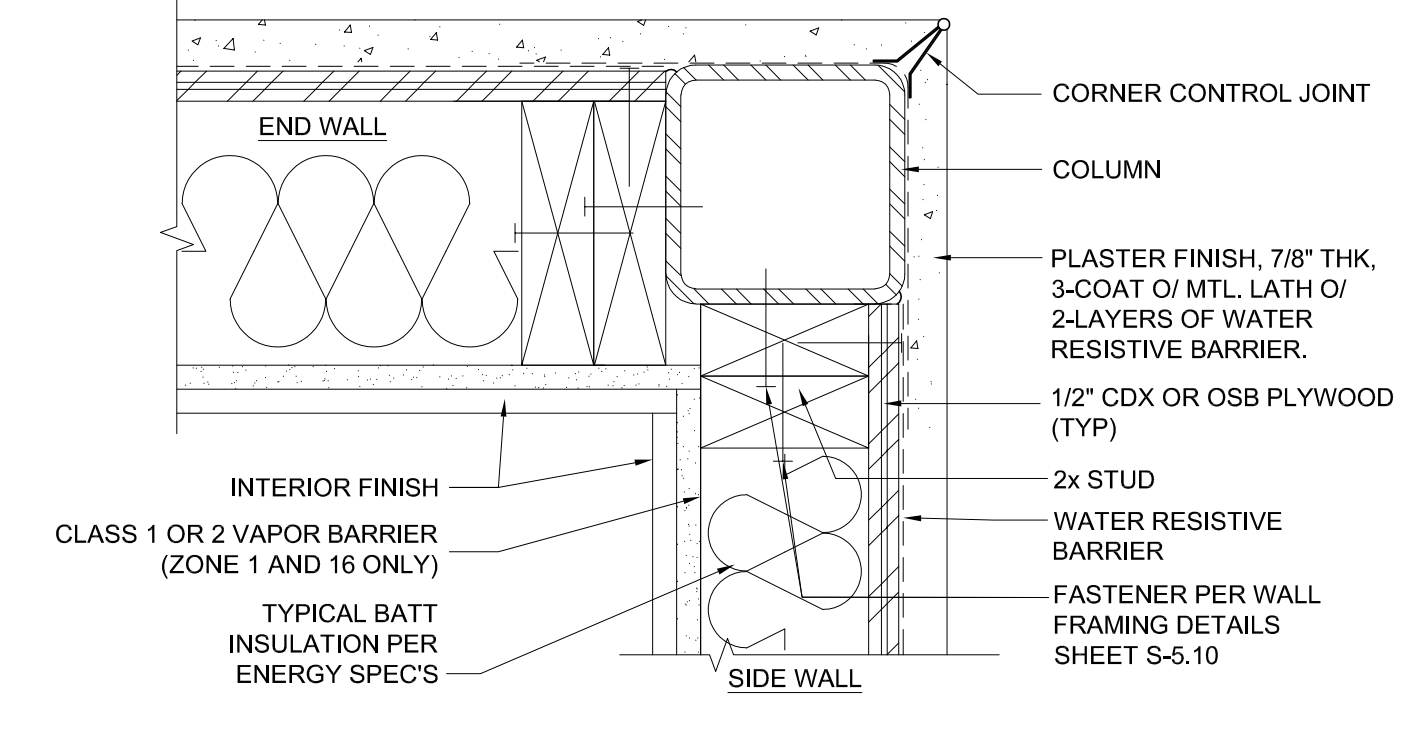
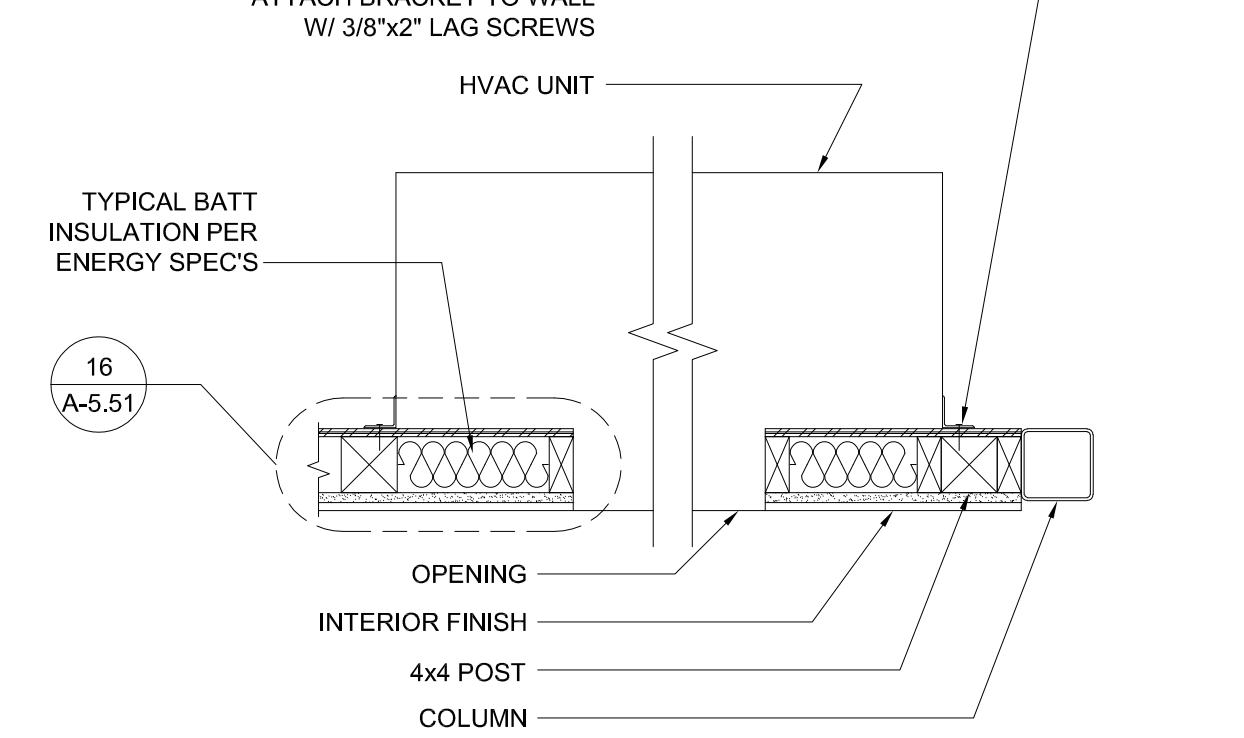
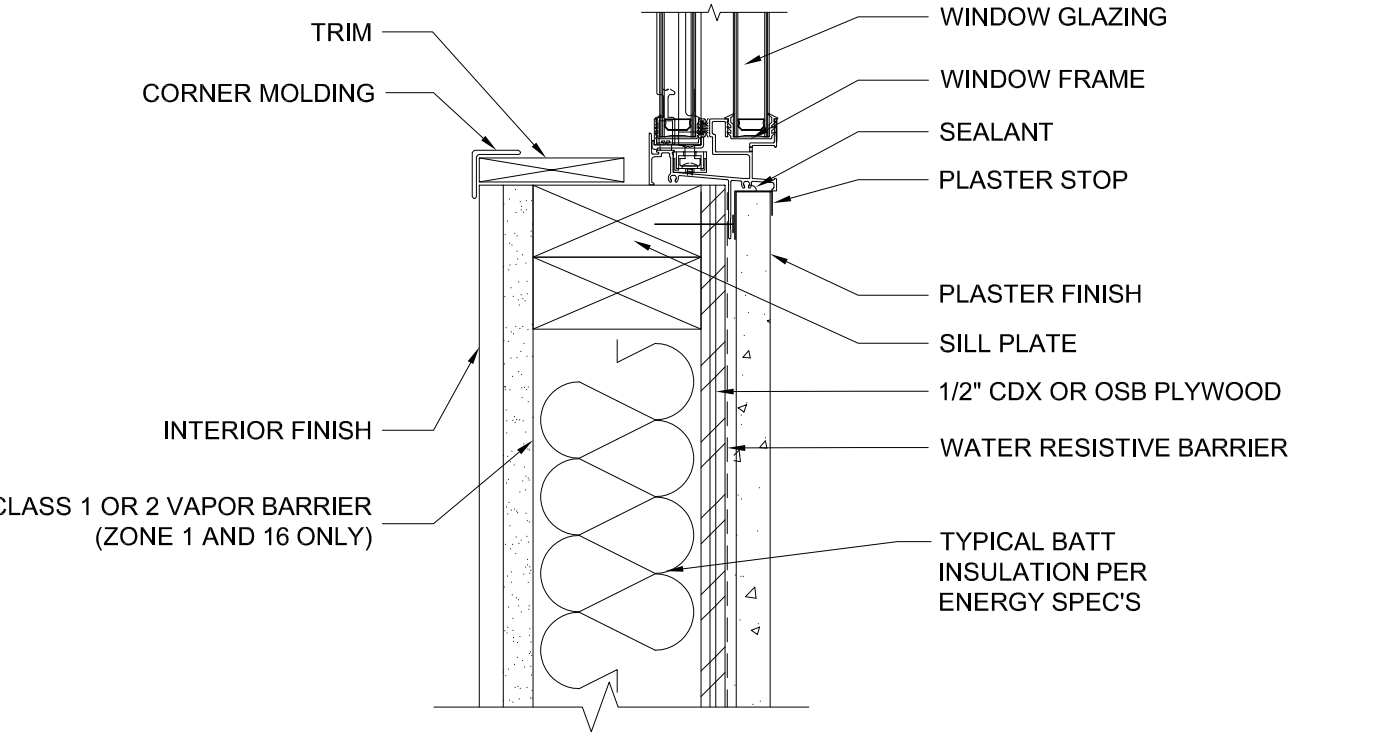
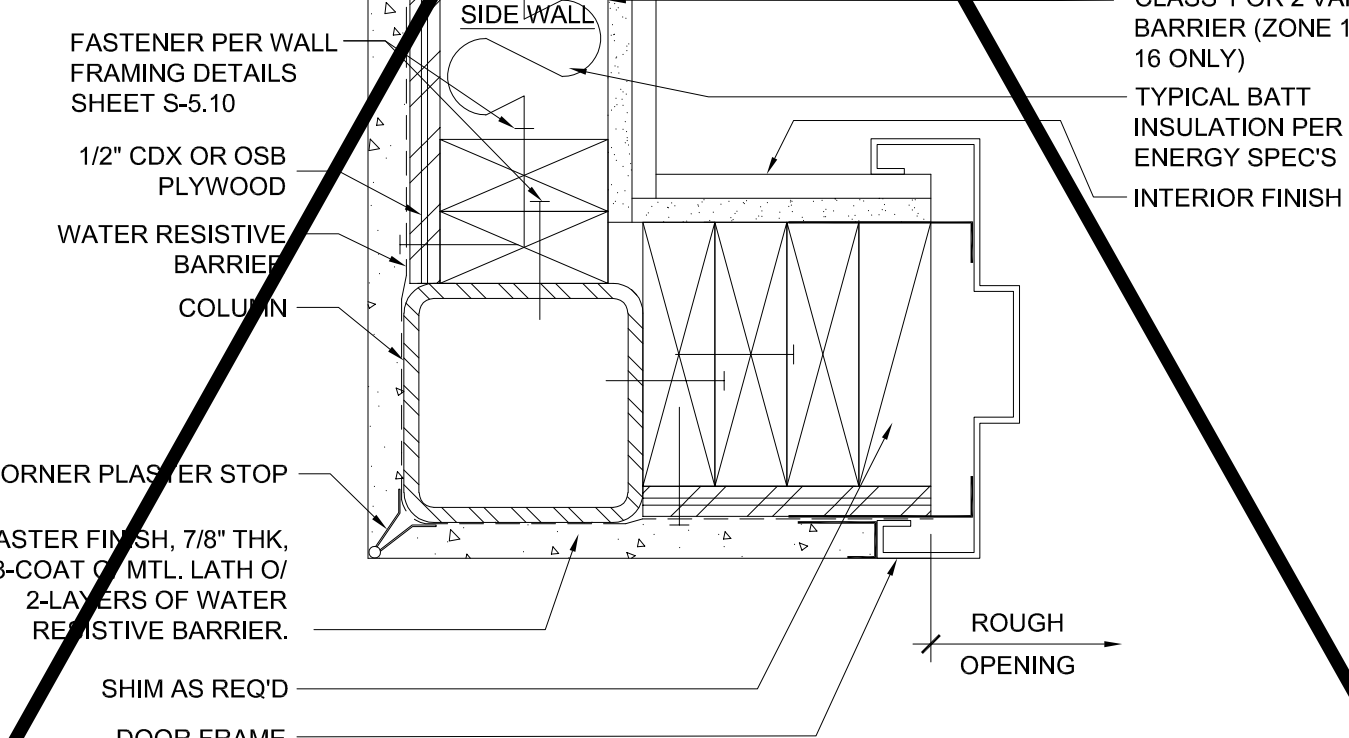
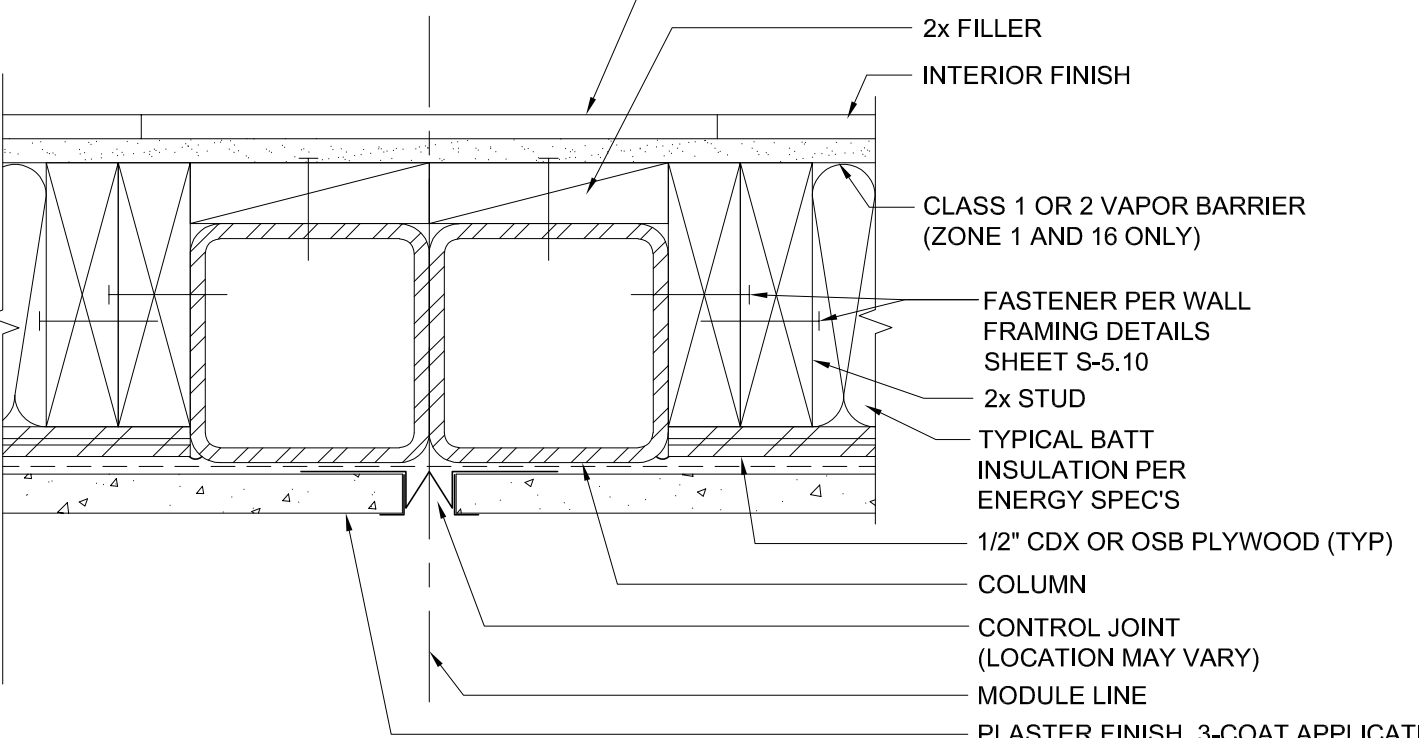
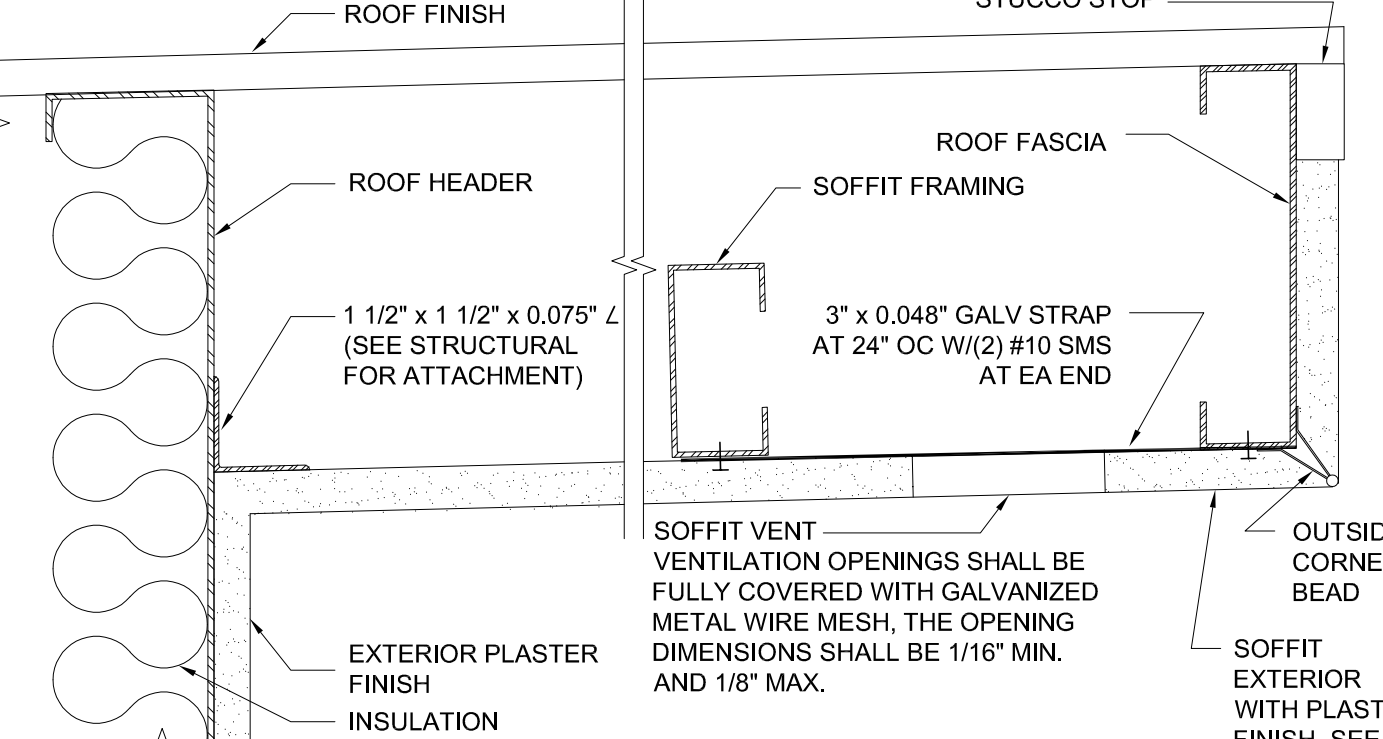
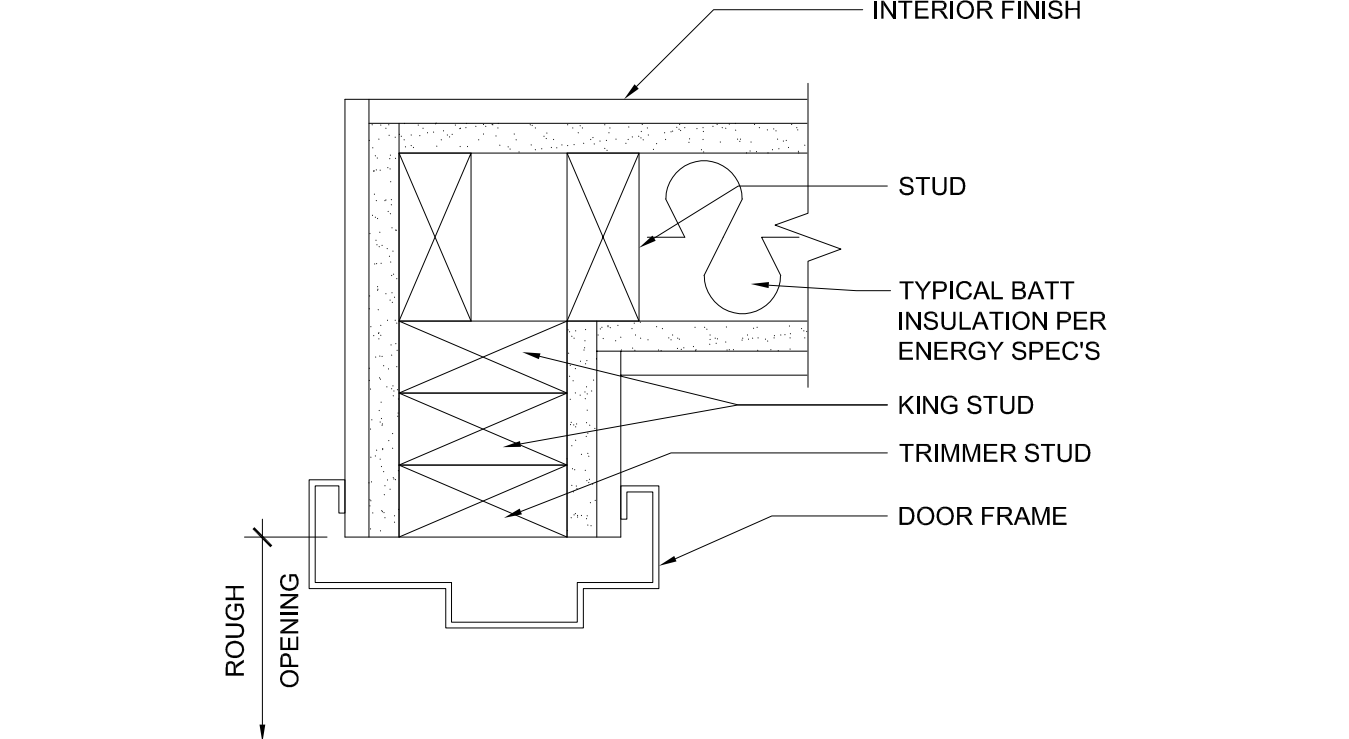
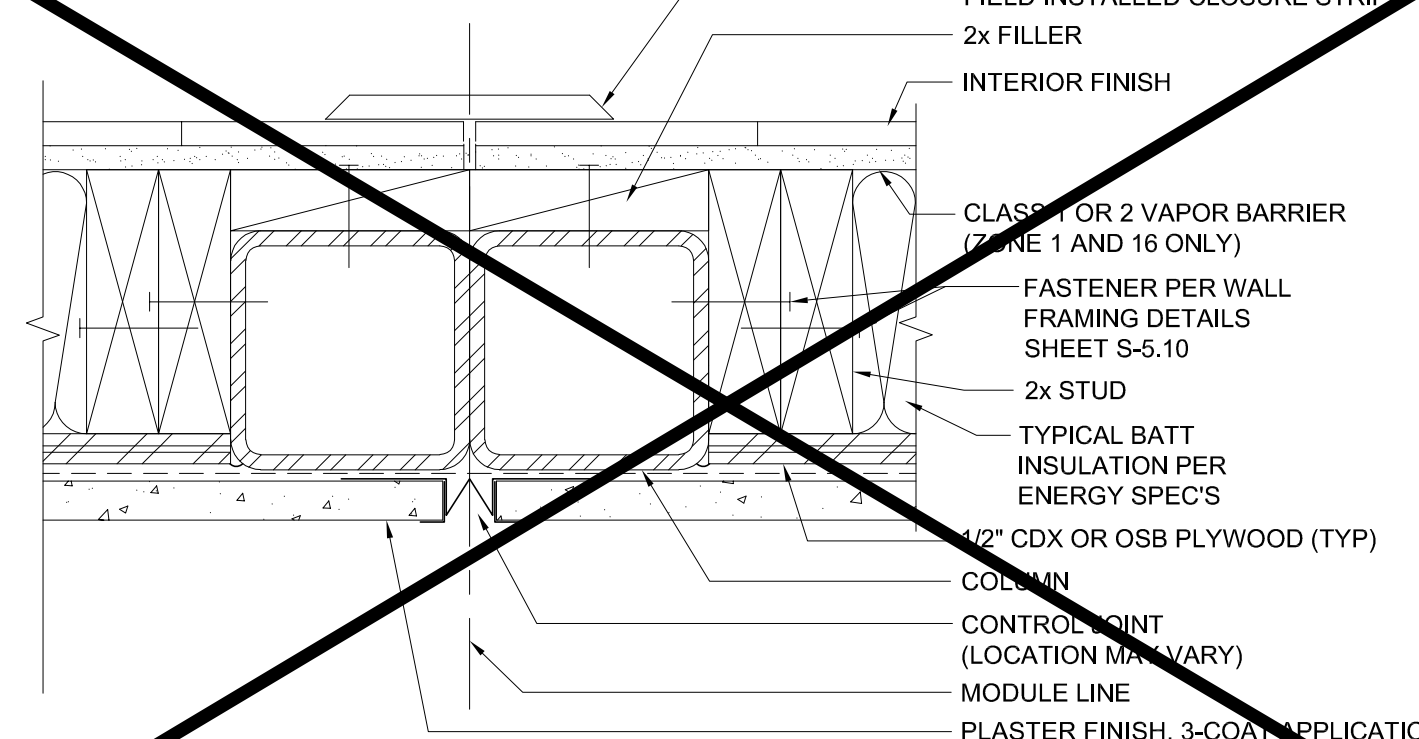
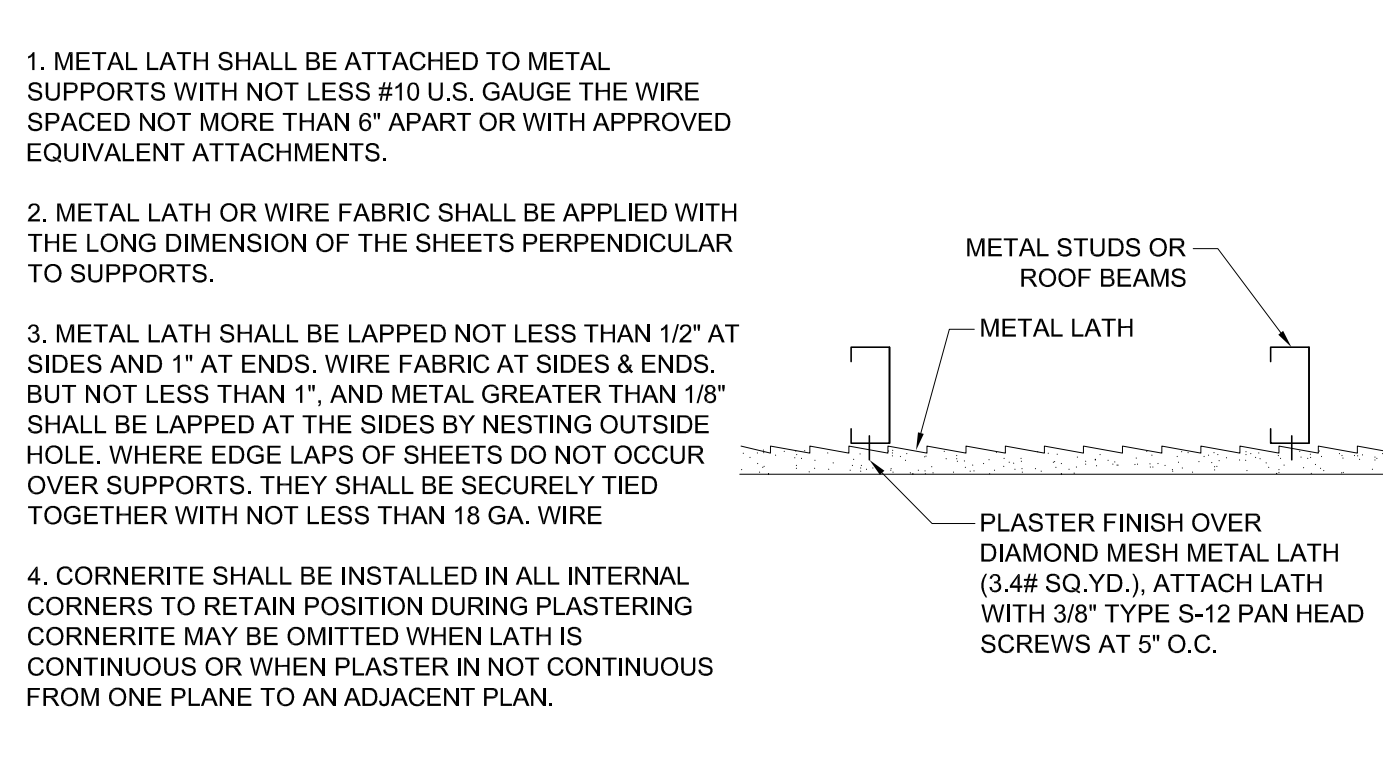
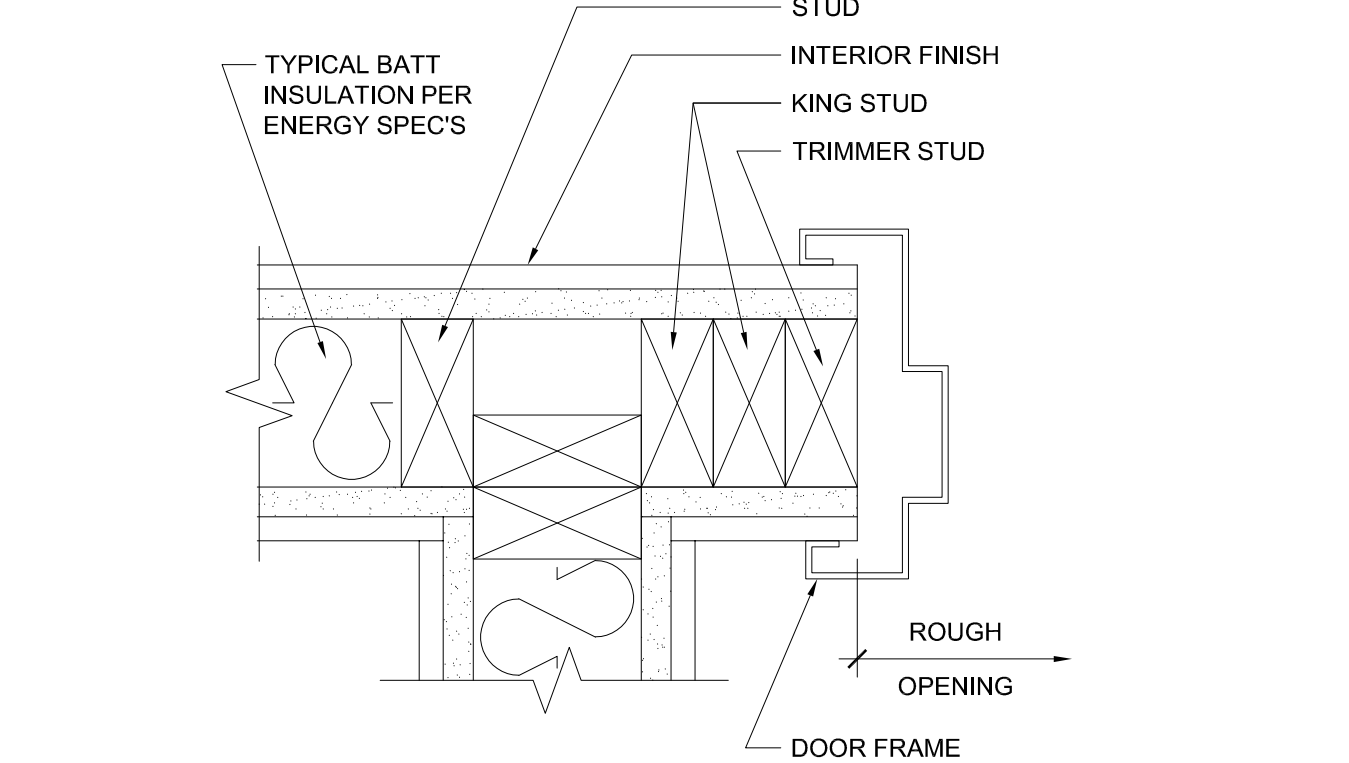
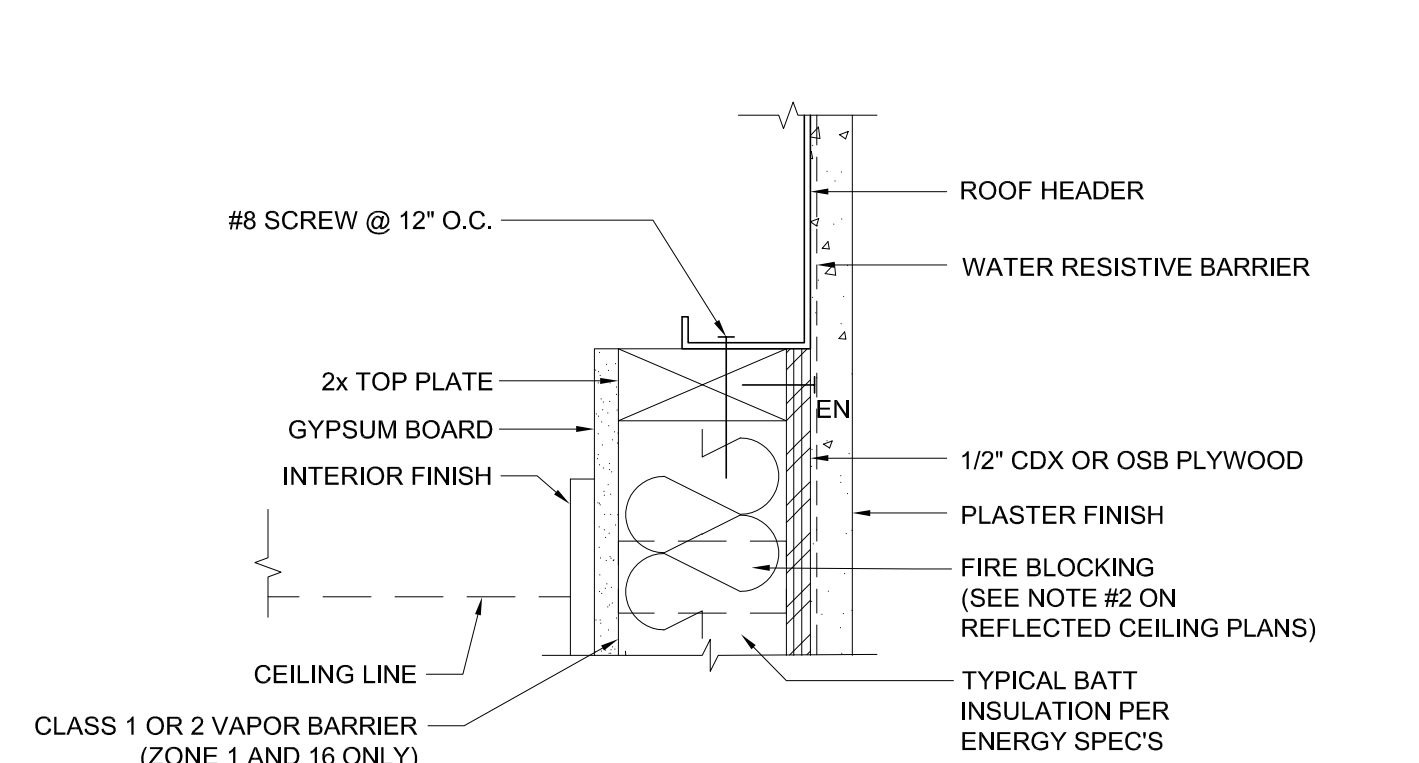
1



CONCRETE FLOOR OPTION

WOOD FLOOR OPTION

CONCRETE FLOOR OPTION

 <p>HVAC UNIT</p> <p>ATTACH BUILT-IN FLANGE TO WALL w/ (6) OR (8) 3/8"x2" LAG SCREWS. (HOLES PROVIDED IN FLANGE PER MANUFACTURER)</p> <p>SEALANT</p> <p>EXTERIOR FINISH O/ VAPOR BARRIER</p> <p>2x4 BLOCK</p> <p>1/2" PLYWOOD</p> <p>10d NAILS AT 3" O.C. STAGGERED (TYP)</p> <p>OPTIONAL BLOCKING</p> <p>4x4 POST (SEE WALL FRAMING ELEVATION AND STRUCTURAL FOR ATTACHMENT)</p> <p>INTERIOR FINISH</p> <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S</p> <p>R.O.</p>	SCALE : 3"=1'-0"	16	 <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S</p> <p>JAMB STUDS</p> <p>INTERIOR FINISH</p> <p>CORNER MOLDING</p> <p>TRIM</p> <p>WINDOW GLAZING</p> <p>WINDOW FRAME</p> <p>TRIMMER STUD PER PLAN</p> <p>0.018" "J" MOLDING</p> <p>1/2" CDX OR OSB PLYWOOD (TYP)</p> <p>PLASTER FINISH</p> <p>SEALANT (TYP)</p> <p>CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)</p>	SCALE : 3"=1'-0"	11	 <p>INTERIOR FINISH</p> <p>CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)</p> <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S</p> <p>WATER RESISTIVE BARRIER</p> <p>1/2" CDX OR OSB PLYWOOD</p> <p>PLASTER FINISH</p> <p>PLASTER STOP</p> <p>0.018" DRIP FLASHING WHEN NECESSARY</p> <p>HEADER</p> <p>ROUGH OPENING</p> <p>DOOR FRAME</p>	SCALE : 3"=1'-0"	6	 <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S</p> <p>END WALL</p> <p>FASTENER PER WALL FRAMING DETAILS SHEET S-5.10</p> <p>E.N.</p> <p>SEPARATION</p> <p>1/2" CDX OR OSB PLYWOOD (TYP)</p> <p>PLASTER FINISH, 3-COAT APPLICATION</p> <p>COLUMN</p> <p>FASTENER EACH SIDE AT 12" OC</p> <p>0.018" GALVANIZED EXPANSION COVER</p> <p>CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)</p> <p>INTERIOR FINISH</p> <p>2X STUD</p> <p>WATER RESISTIVE BARRIER</p>	SCALE : 3"=1'-0"	1
 <p>INTERIOR FINISH</p> <p>CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)</p> <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S</p> <p>HVAC UNIT</p> <p>24" x 0.105" LONG BRACKET W/ (6) 3/8" DIA x 2" LAG BOLTS</p> <p>PLASTER FINISH</p> <p>1/2" CDX OR OSB PLYWOOD</p> <p>2x6 LET-IN BLOCKING (SEE WALL FRAMING ELEVATION AND STRUCTURAL FOR ATTACHMENT)</p>	SCALE : 3"=1'-0"	17	 <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S</p> <p>CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)</p> <p>INTERIOR FINISH</p> <p>WATER RESISTIVE BARRIER</p> <p>HEADER</p> <p>1/2" CDX OR OSB PLYWOOD</p> <p>PLASTER FINISH</p> <p>PLASTER STOP</p> <p>0.018" DRIP FLASHING WHEN NECESSARY</p> <p>WINDOW FRAME</p> <p>CORNER MOLDING</p> <p>TRIM</p> <p>WINDOW GLAZING</p>	SCALE : 3"=1'-0"	12	 <p>CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)</p> <p>INTERIOR FINISH</p> <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S</p> <p>WATER RESISTIVE BARRIER</p> <p>1/2" CDX OR OSB PLYWOOD (TYP)</p> <p>PLASTER FINISH</p> <p>PLASTER STOP</p> <p>SEALANT</p> <p>JAMB STUD</p> <p>DOOR FRAME</p> <p>ROUGH OPENING</p>	SCALE : 3"=1'-0"	7	 <p>END WALL</p> <p>INTERIOR FINISH</p> <p>CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)</p> <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S</p> <p>CORNER CONTROL JOINT</p> <p>COLUMN</p> <p>PLASTER FINISH, 7/8" THK, 3-COAT O/ MTL LATH O/ 2-LAYERS OF WATER RESISTIVE BARRIER.</p> <p>1/2" CDX OR OSB PLYWOOD (TYP)</p> <p>2x STUD</p> <p>WATER RESISTIVE BARRIER</p> <p>FASTENER PER WALL FRAMING DETAILS SHEET S-5.10</p> <p>SIDE WALL</p>	SCALE : 3"=1'-0"	2
 <p>ATTACH BRACKET TO WALL W/ 3/8"x2" LAG SCREWS</p> <p>HVAC UNIT</p> <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S</p> <p>16 A-5.51</p> <p>OPENING</p> <p>INTERIOR FINISH</p> <p>4x4 POST</p> <p>COLUMN</p>	SCALE : 1"=1'-0"	18	 <p>TRIM</p> <p>CORNER MOLDING</p> <p>WINDOW GLAZING</p> <p>WINDOW FRAME</p> <p>SEALANT</p> <p>PLASTER STOP</p> <p>PLASTER FINISH</p> <p>SILL PLATE</p> <p>1/2" CDX OR OSB PLYWOOD</p> <p>WATER RESISTIVE BARRIER</p> <p>INTERIOR FINISH</p> <p>CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)</p> <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S</p>	SCALE : 3"=1'-0"	13	 <p>FASTENER PER WALL FRAMING DETAILS SHEET S-5.10</p> <p>1/2" CDX OR OSB PLYWOOD</p> <p>WATER RESISTIVE BARRIER</p> <p>COLUMN</p> <p>CORNER PLASTER STOP</p> <p>PLASTER FINISH, 7/8" THK, 3-COAT O/ MTL LATH O/ 2-LAYERS OF WATER RESISTIVE BARRIER.</p> <p>SHIM AS REQ'D</p> <p>DOOR FRAME</p> <p>ROUGH OPENING</p>	SCALE : 3"=1'-0"	8	 <p>FIELD INSTALL FULL PANEL CLOSE-UP 2x FILLER</p> <p>INTERIOR FINISH</p> <p>CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)</p> <p>FASTENER PER WALL FRAMING DETAILS SHEET S-5.10</p> <p>2x STUD</p> <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S</p> <p>1/2" CDX OR OSB PLYWOOD (TYP)</p> <p>COLUMN</p> <p>CONTROL JOINT (LOCATION MAY VARY)</p> <p>MODULE LINE</p> <p>PLASTER FINISH, 3-COAT APPLICATION</p>	SCALE : 3"=1'-0"	3
 <p>HVAC UNIT (PLAN)</p>	SCALE : 1"=1'-0"	18	 <p>ROOF FINISH</p> <p>STUCCO STOP</p> <p>ROOF FASCIA</p> <p>ROOF HEADER</p> <p>SOFFIT FRAMING</p> <p>1 1/2" x 1 1/2" x 0.075" L (SEE STRUCTURAL FOR ATTACHMENT)</p> <p>3" x 0.048" GALV STRAP AT 24" OC W/ (2) #10 SMS AT EA END</p> <p>SOFFIT VENT</p> <p>VENTILATION OPENINGS SHALL BE FULLY COVERED WITH GALVANIZED METAL WIRE MESH, THE OPENING DIMENSIONS SHALL BE 1/16" MIN. AND 1/8" MAX.</p> <p>OUTSIDE CORNER BEAD</p> <p>SOFFIT EXTERIOR WITH PLASTER FINISH. SEE 15-</p> <p>EXTERIOR PLASTER FINISH</p> <p>INSULATION</p>	SCALE : 3"=1'-0"	13	 <p>INTERIOR FINISH</p> <p>STUD</p> <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S</p> <p>KING STUD</p> <p>TRIMMER STUD</p> <p>DOOR FRAME</p> <p>ROUGH OPENING</p>	SCALE : 3"=1'-0"	8	 <p>FIELD INSTALLED CLOSURE STRIP 2x FILLER</p> <p>INTERIOR FINISH</p> <p>CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)</p> <p>FASTENER PER WALL FRAMING DETAILS SHEET S-5.10</p> <p>2x STUD</p> <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S</p> <p>1/2" CDX OR OSB PLYWOOD (TYP)</p> <p>COLUMN</p> <p>CONTROL JOINT (LOCATION MAY VARY)</p> <p>MODULE LINE</p> <p>PLASTER FINISH, 3-COAT APPLICATION</p>	SCALE : 3"=1'-0"	3
NOT USED		19	 <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.</p> <p>2. METAL LATH OR WIRE FABRIC SHALL BE APPLIED WITH THE LONG DIMENSION OF THE SHEETS PERPENDICULAR TO SUPPORTS.</p> <p>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</p> <p>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> <p>METAL STUDS OR ROOF BEAMS</p> <p>METAL LATH</p> <p>PLASTER FINISH OVER DIAMOND MESH METAL LATH (3.4# SQ.YD.), ATTACH LATH WITH 3/8" TYPE S-12 PAN HEAD SCREWS AT 5" O.C.</p>	SCALE : 3"=1'-0"	14	 <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S</p> <p>STUD</p> <p>INTERIOR FINISH</p> <p>KING STUD</p> <p>TRIMMER STUD</p> <p>ROUGH OPENING</p> <p>DOOR FRAME</p>	SCALE : 3"=1'-0"	9	 <p>#8 SCREW @ 12" O.C.</p> <p>ROOF HEADER</p> <p>WATER RESISTIVE BARRIER</p> <p>2x TOP PLATE</p> <p>GYPSUM BOARD</p> <p>INTERIOR FINISH</p> <p>1/2" CDX OR OSB PLYWOOD</p> <p>PLASTER FINISH</p> <p>FIRE BLOCKING (SEE NOTE #2 ON REFLECTED CEILING PLANS)</p> <p>TYPICAL BATT INSULATION PER ENERGY SPEC'S</p> <p>CEILING LINE</p> <p>CLASS 1 OR 2 VAPOR BARRIER (ZONE 1 AND 16 ONLY)</p>	SCALE : 3"=1'-0"	4
NOT USED		20	<p>METAL LATH ATTACHMENT TO METAL JOIST</p>	SCALE : NTS	15	<p>INTERIOR DOOR JAMBS</p>	SCALE : 3"=1'-0"	10	<p>TOP PLATE AT ROOF HEADER</p>	SCALE : 3"=1'-0"	5

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PROJECT NAME:
**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

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

REVISIONS

1	
2	
3	
4	
5	

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



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

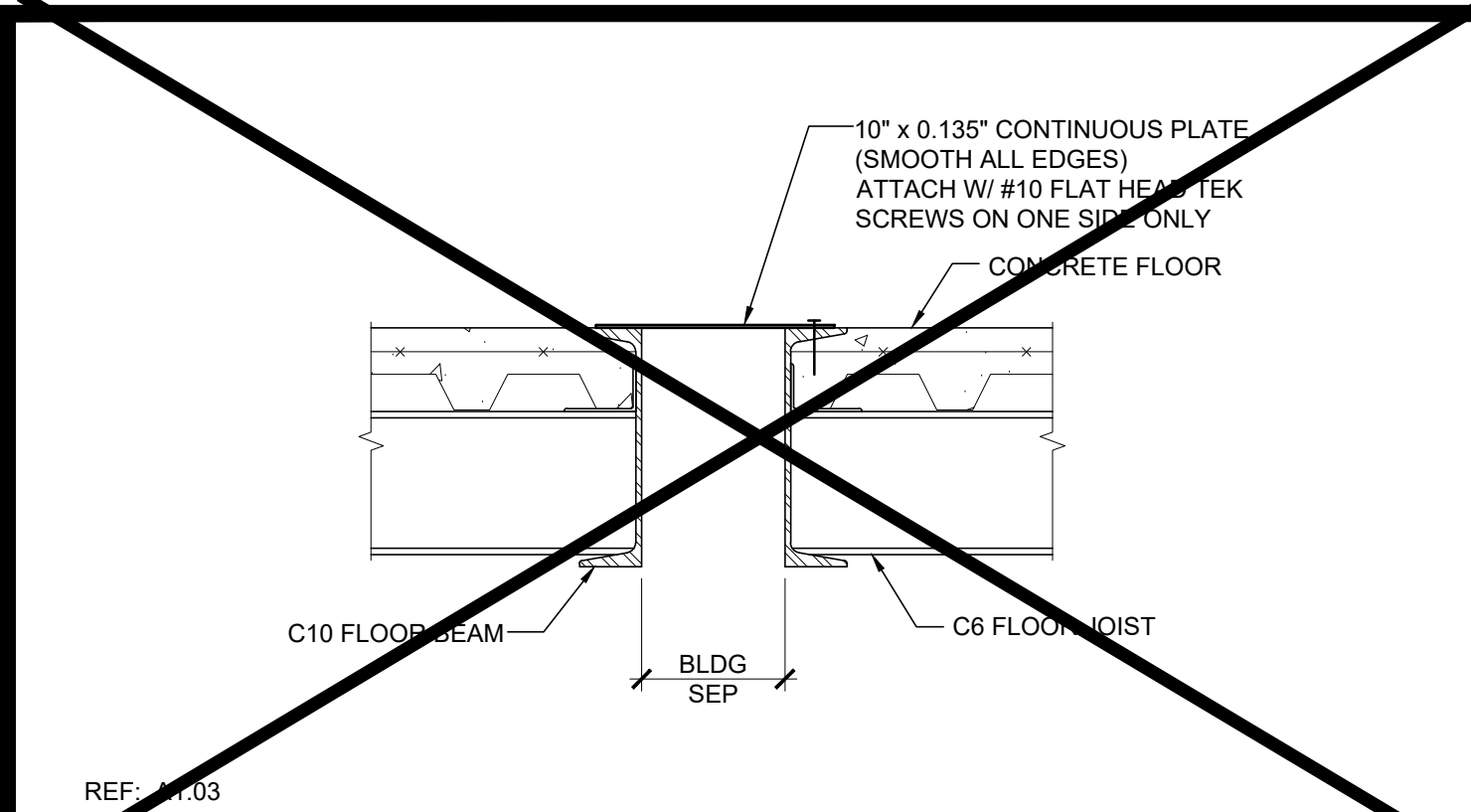
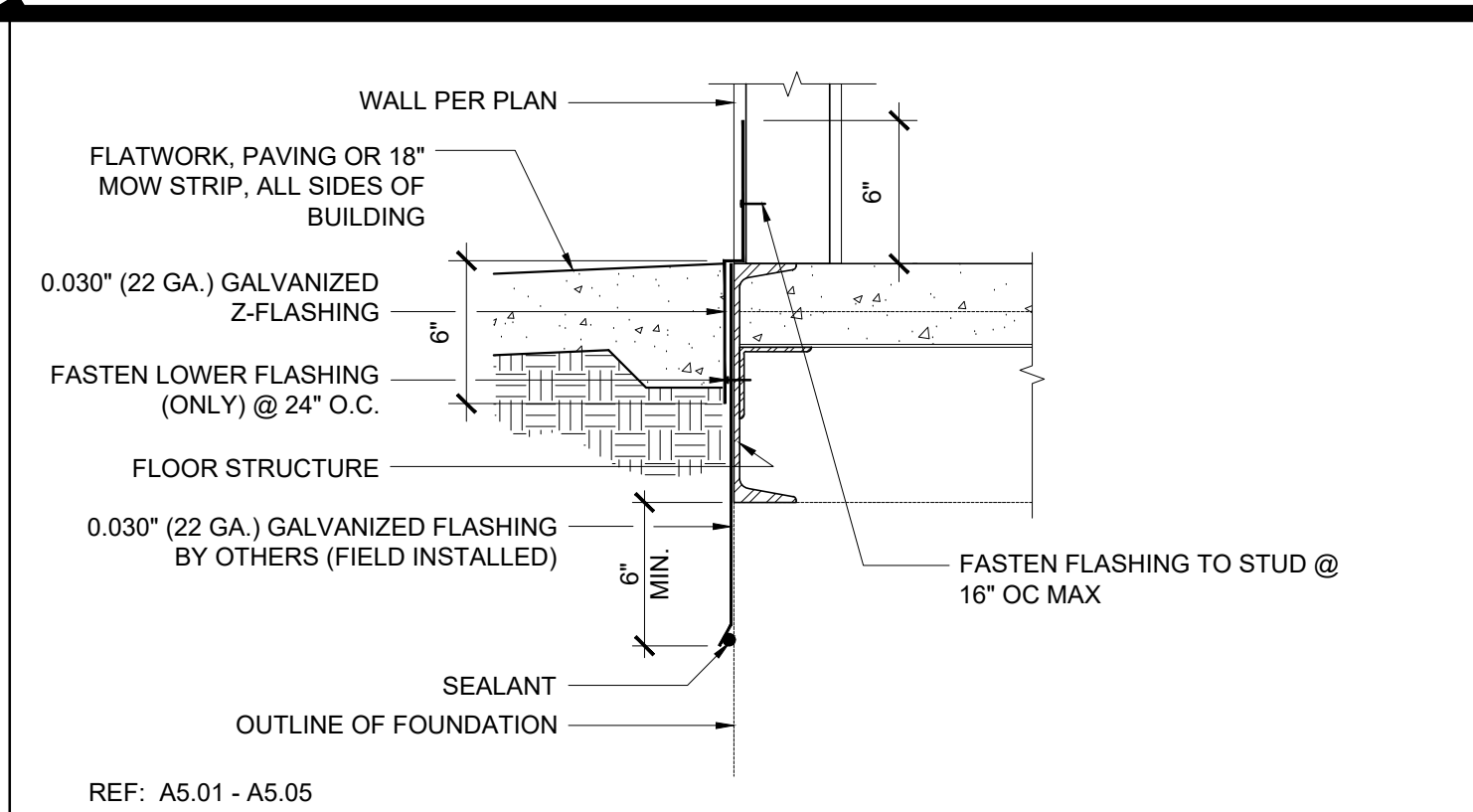
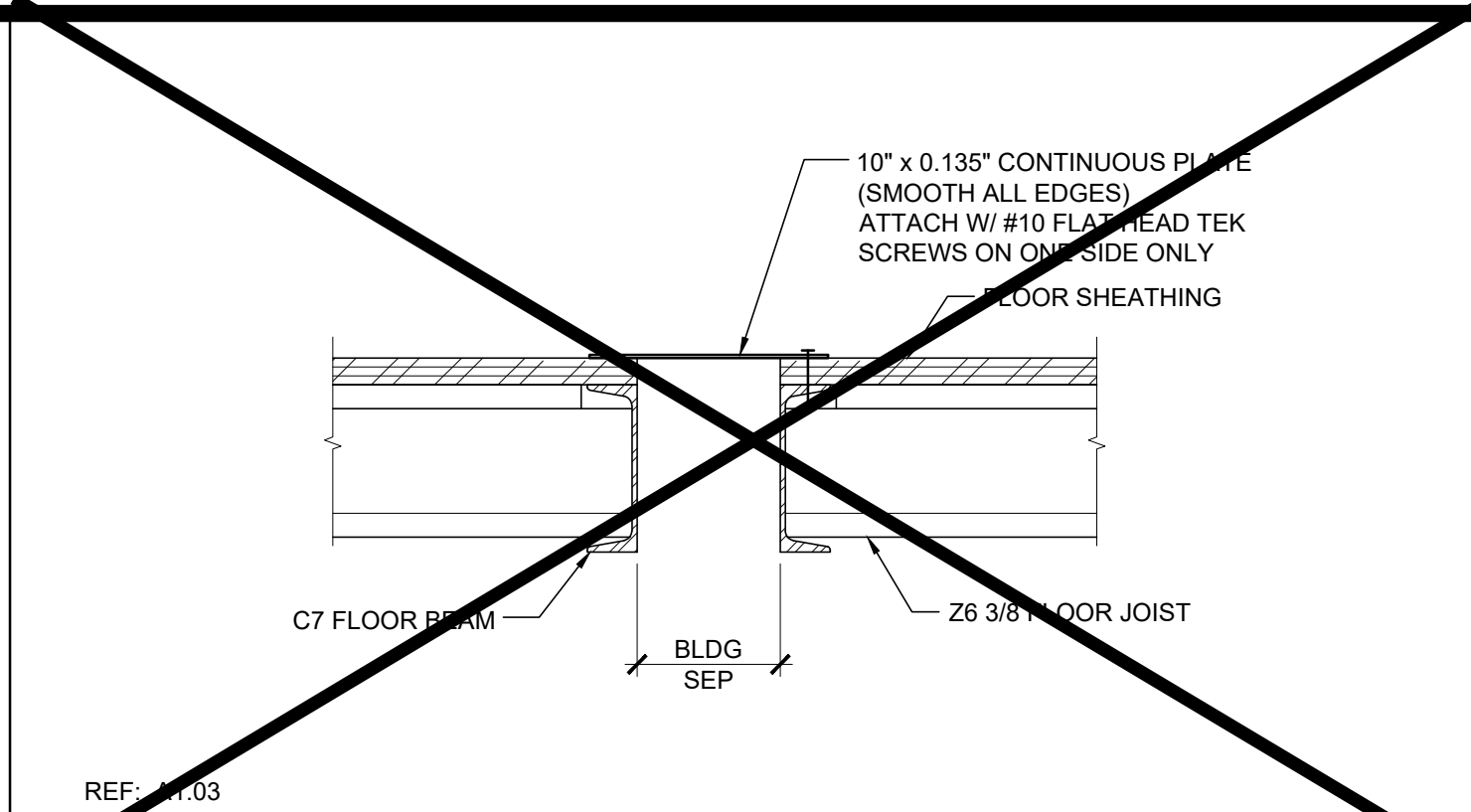
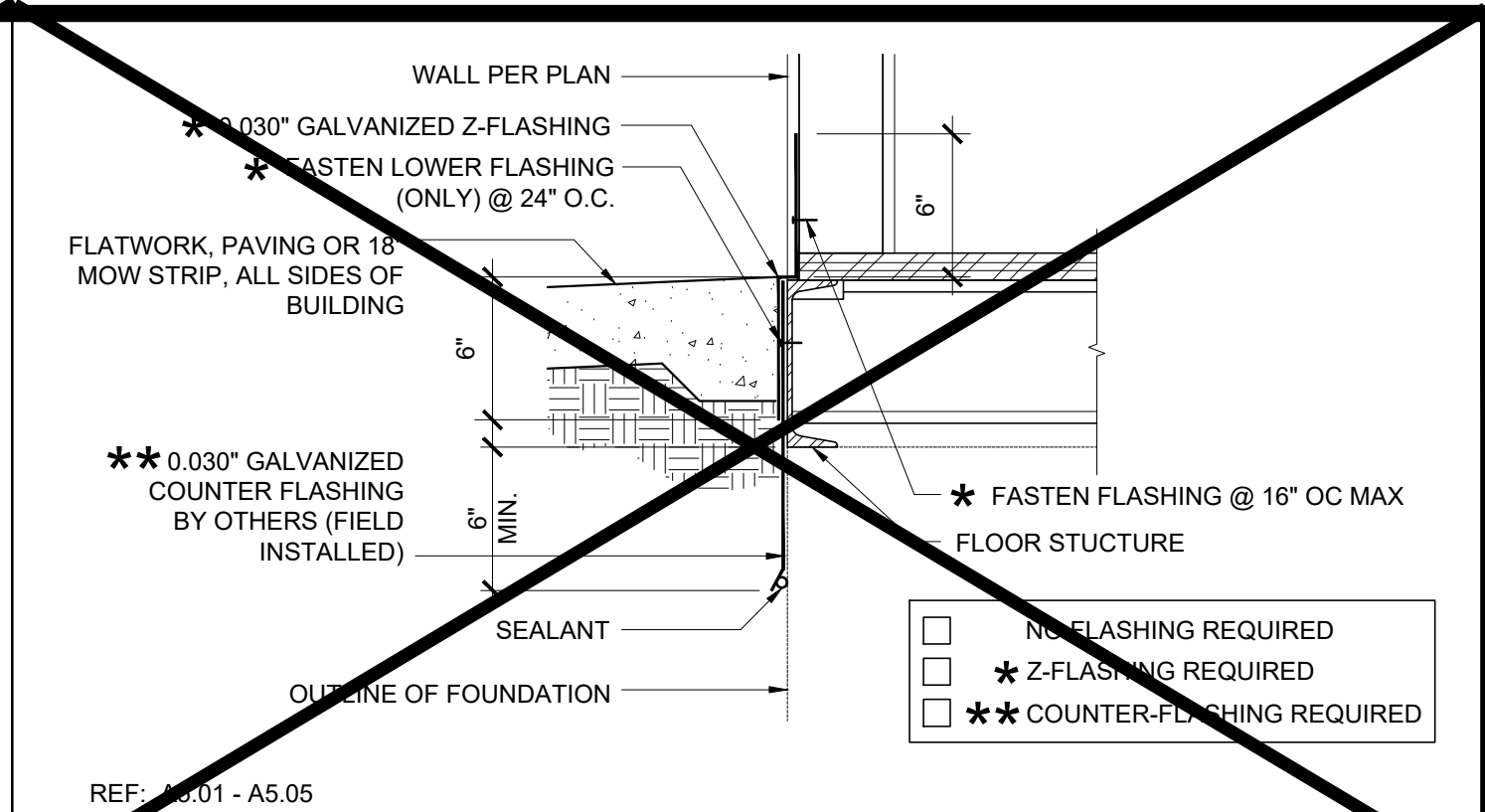
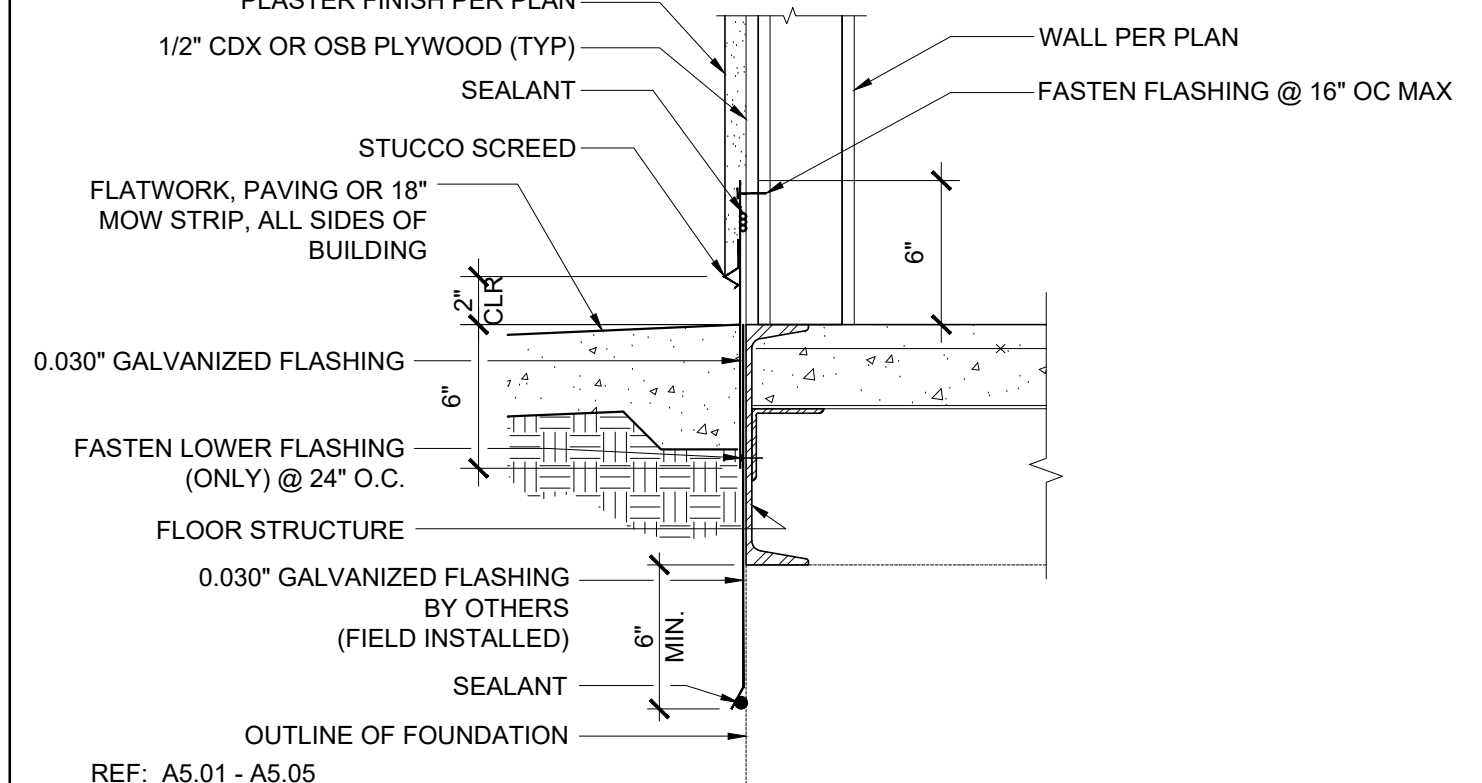
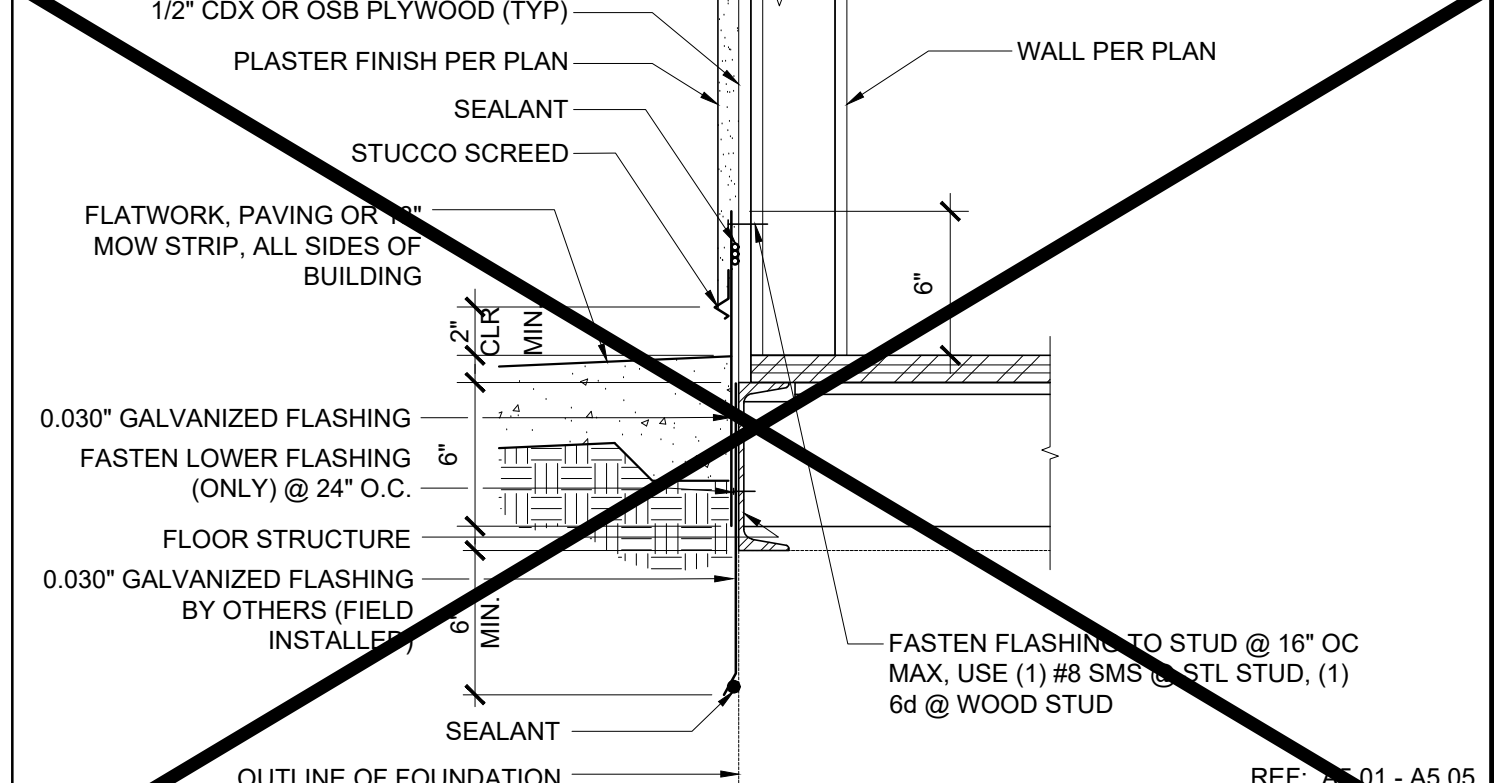
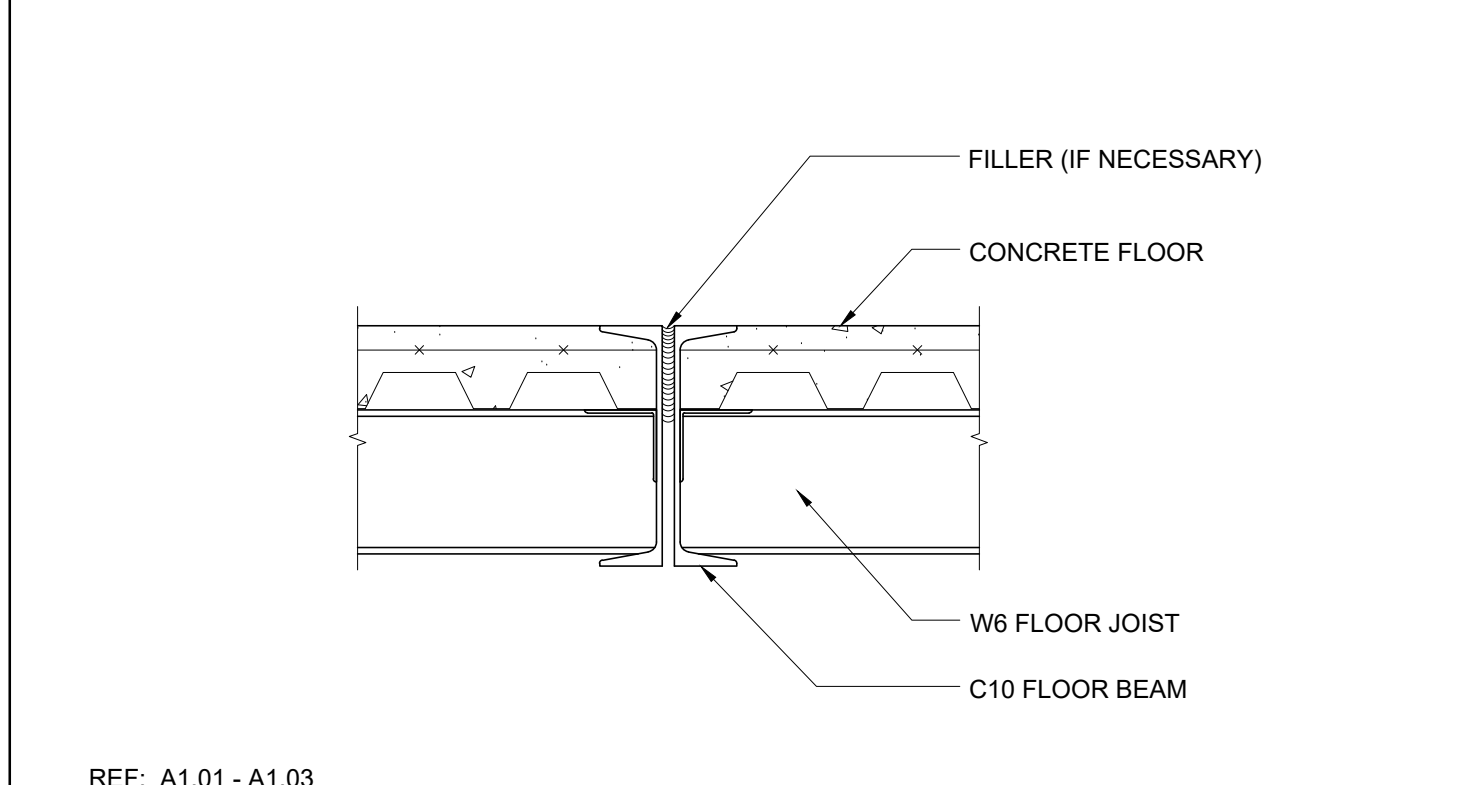
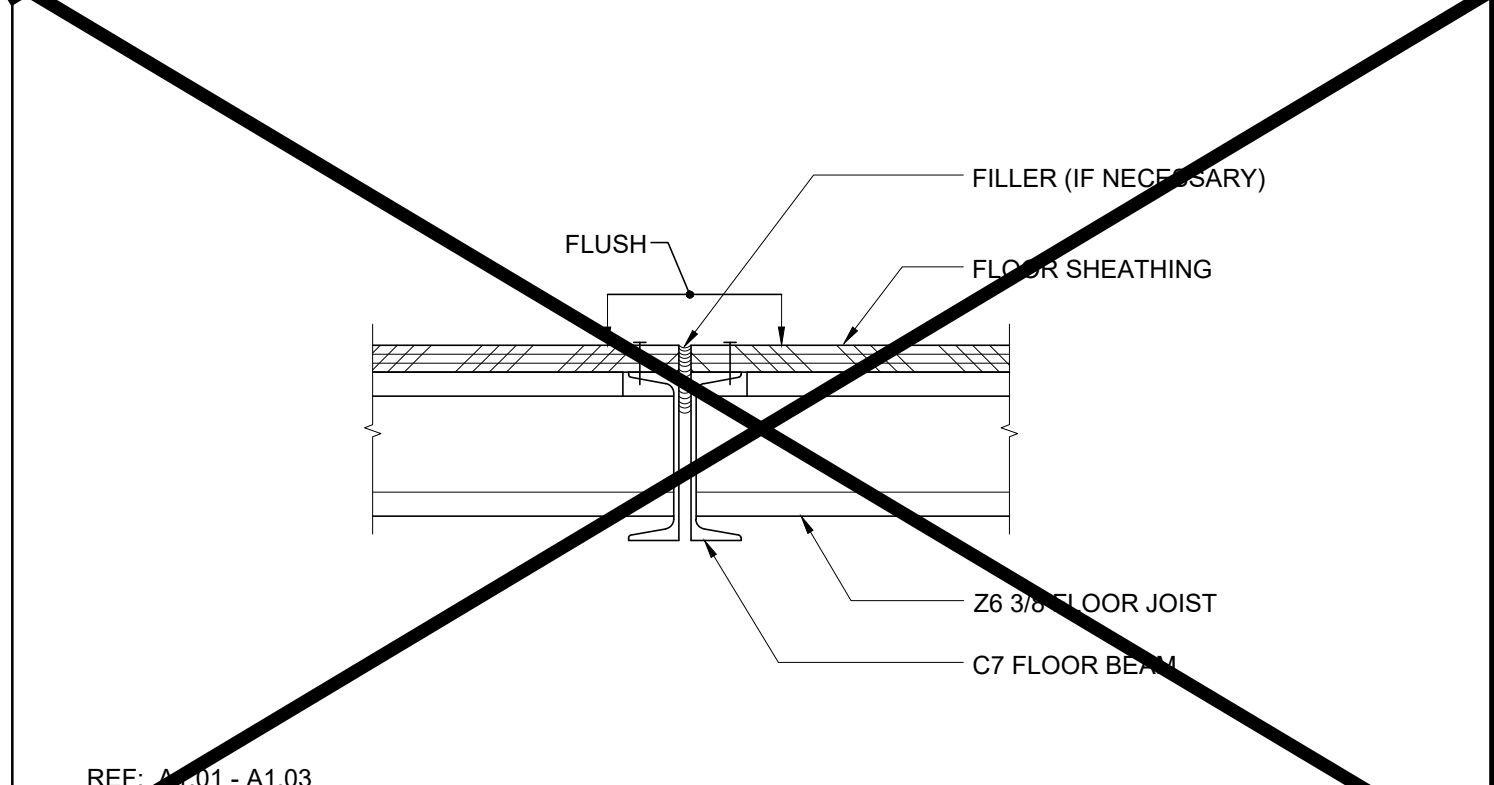
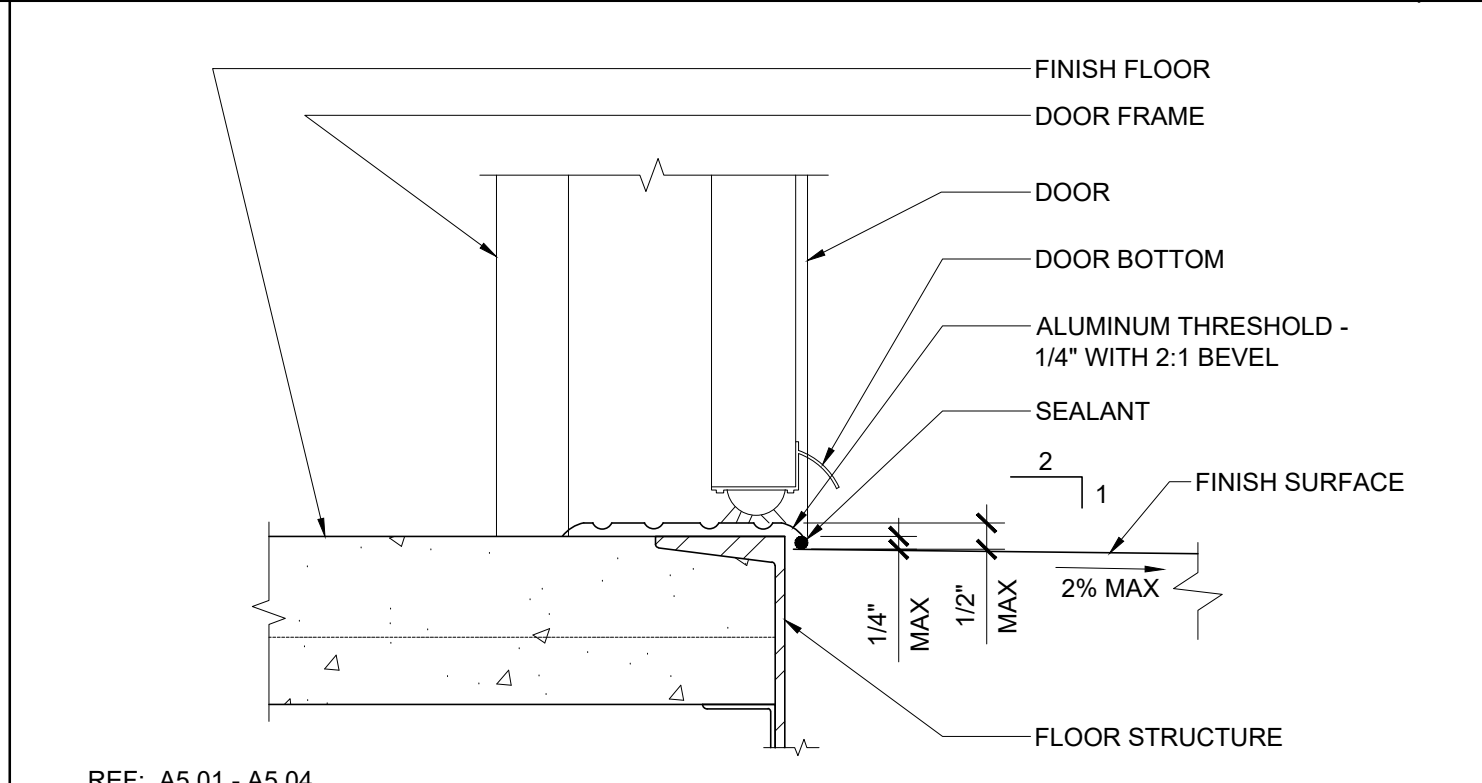
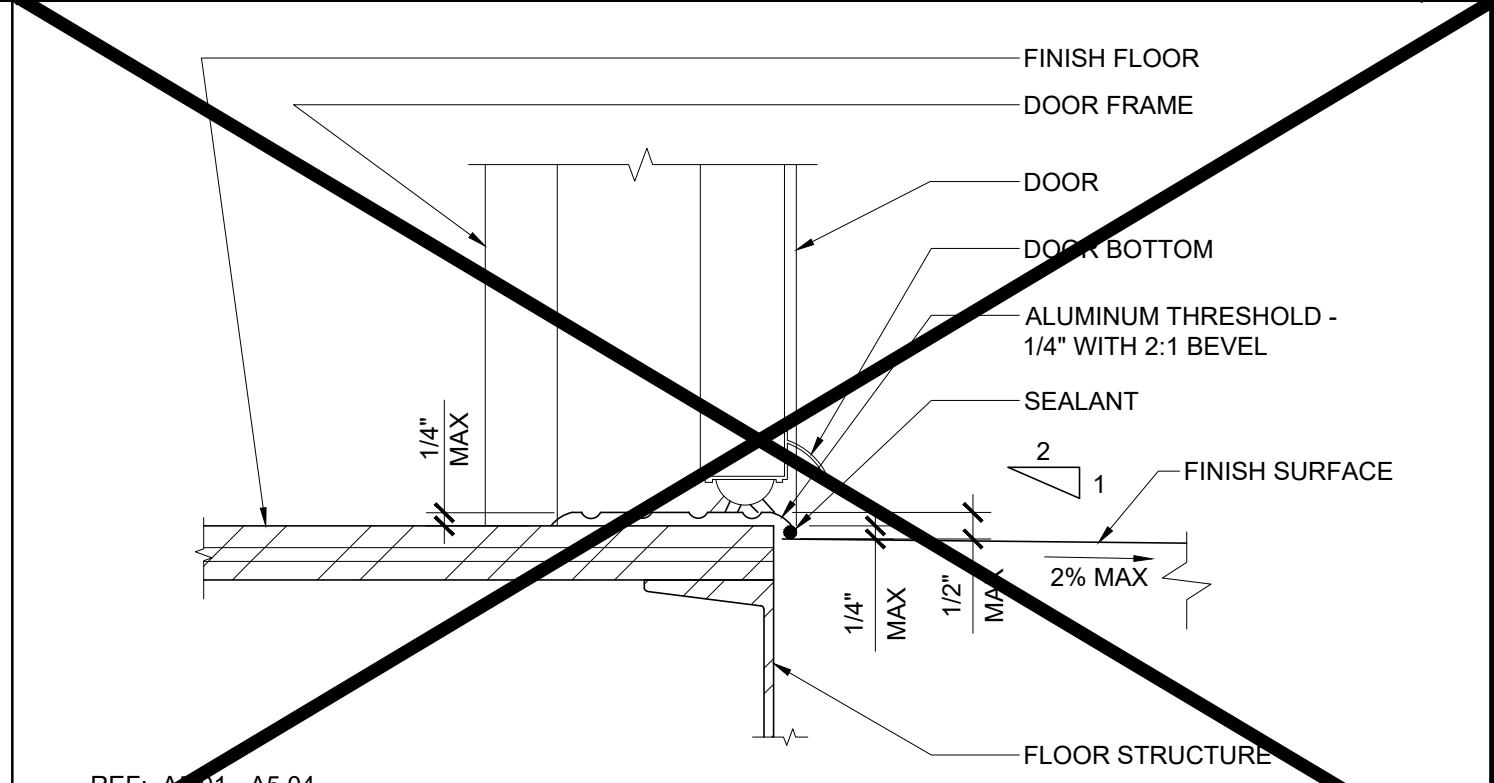
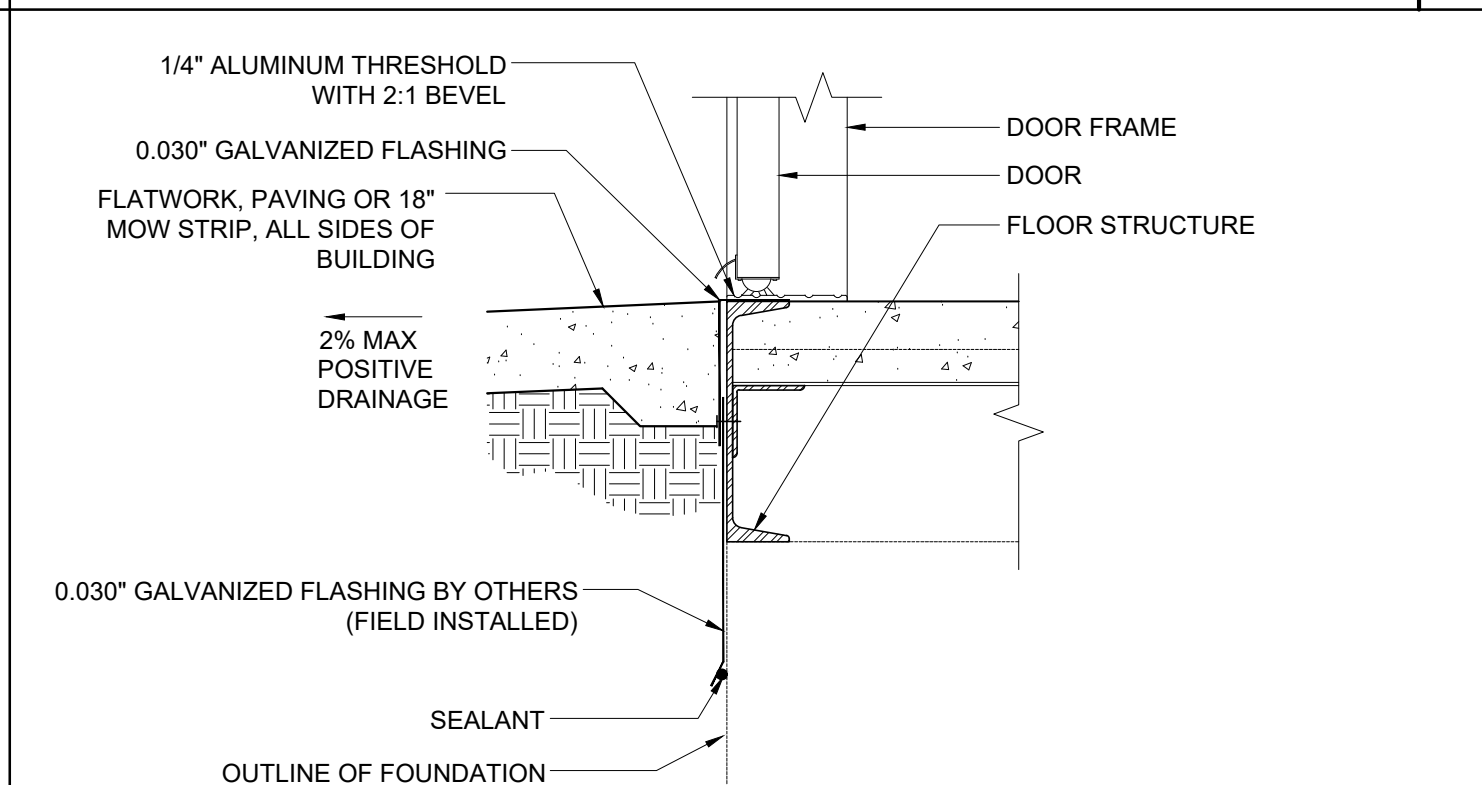
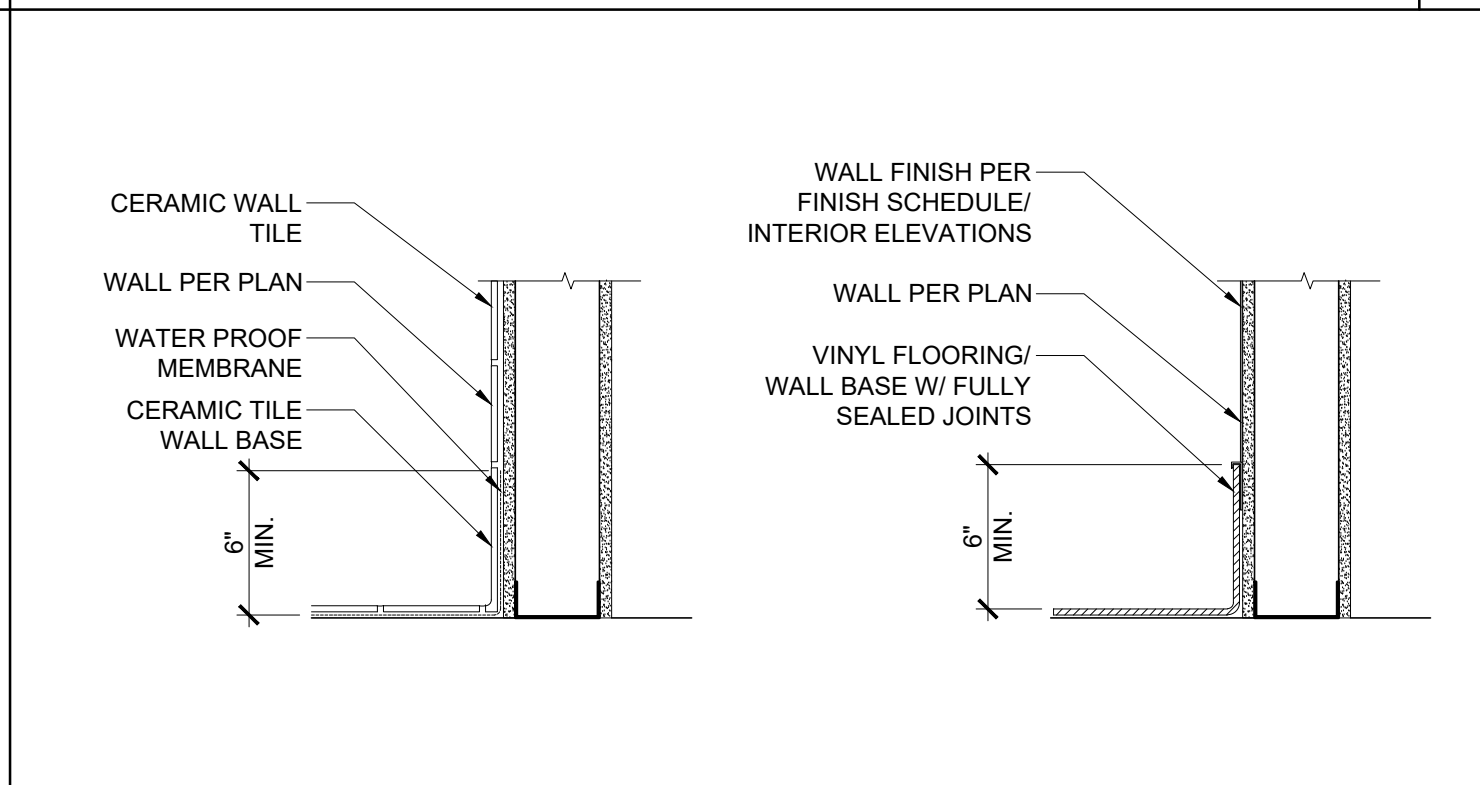
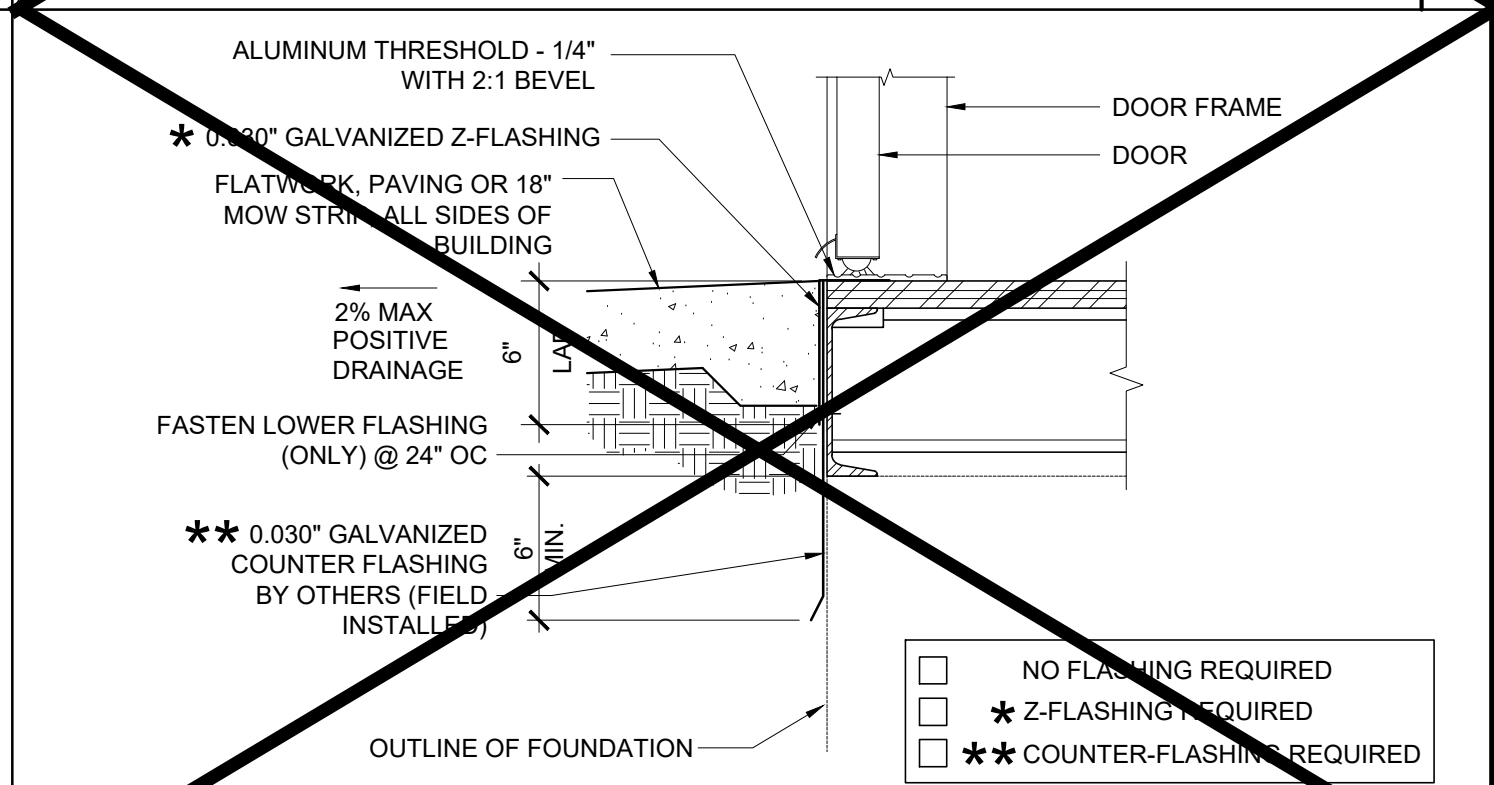
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-5.51

			
FLOOR AT SEPARATION (CONCRETE FLR) SCALE : 1 1/2"=1'-0"	SKIRT FLASHING (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0"	FLOOR AT SEPARATION (WOOD FLOOR) SCALE : 1 1/2"=1'-0"	SKIRT FLASHING (WOOD FLOOR) SCALE : 1 1/2"=1'-0"
		<div>NOTE: 1. WHEN THE BUILDING IS INSTALLED AT GROUND LEVEL (BELOW GRADE FOUNDATION OPTION) DETAILS 1,2,5,11,12+15 CAN ONLY BE USED WHERE THE BUILDING SIZE DOES NOT EXCEED 2,160 SF. SEE SHEETS A-5.71 THRU A-5.78 FOR ALTERNATE FLASHING DETAILS FOR BUILDINGS LARGER THAN 2,160 SF. 2. THE DETAILS ON SHEETS A-5.71 THRU A-5.78 MAY BE USED FOR BUILDINGS LESS THAN 2,160 SF. 3. FOR BUILDINGS INSTALLED ON ABOVE GRADE FOUNDATION SYSTEMS (WOOD FOUNDATION OR CONCRETE FOUNDATION WITH ABOVE GRADE STEMWALL) THE DETAILS SHOWN ON THIS SHEET MAY BE USED FOR ANY SIZE BUILDING. 4. FOR BUILDINGS INSTALLED ON ABOVE GRADE FOUNDATION SYSTEMS (WOOD FOUNDATION OR CONCRETE FOUNDATION WITH ABOVE GRADE STEMWALL) THE FLATWORK/PAVING/MOW STRIP WHICH IS INDICATED IN THE DETAILS ON THIS SHEET SHALL BE OMITTED.</div>	
	SKIRT FLASHING (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0"		SKIRT FLASHING (WOOD FLOOR) SCALE : 1 1/2"=1'-0"
			
	FLOOR AT MODLINE (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0"		FLOOR AT MODLINE (WOOD FLOOR) SCALE : 1 1/2"=1'-0"
			
	THRESHOLD SCALE : 3"=1'-0"		THRESHOLD SCALE : 3"=1'-0"
			
TYPICAL SILL AT FLOOR (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0"	WALL BASE AT TOILET ROOMS SCALE : 1 1/2"=1'-0"	TYPICAL SILL AT FLOOR (WOOD FLOOR) SCALE : 1 1/2"=1'-0"	

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PROJECT NAME:
**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

SHEET TITLE:
**ARCHITECTURAL
DETAILS
FLOOR**

REVISIONS

1

2

3

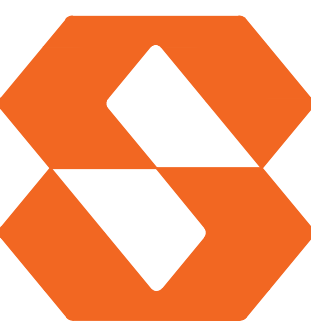
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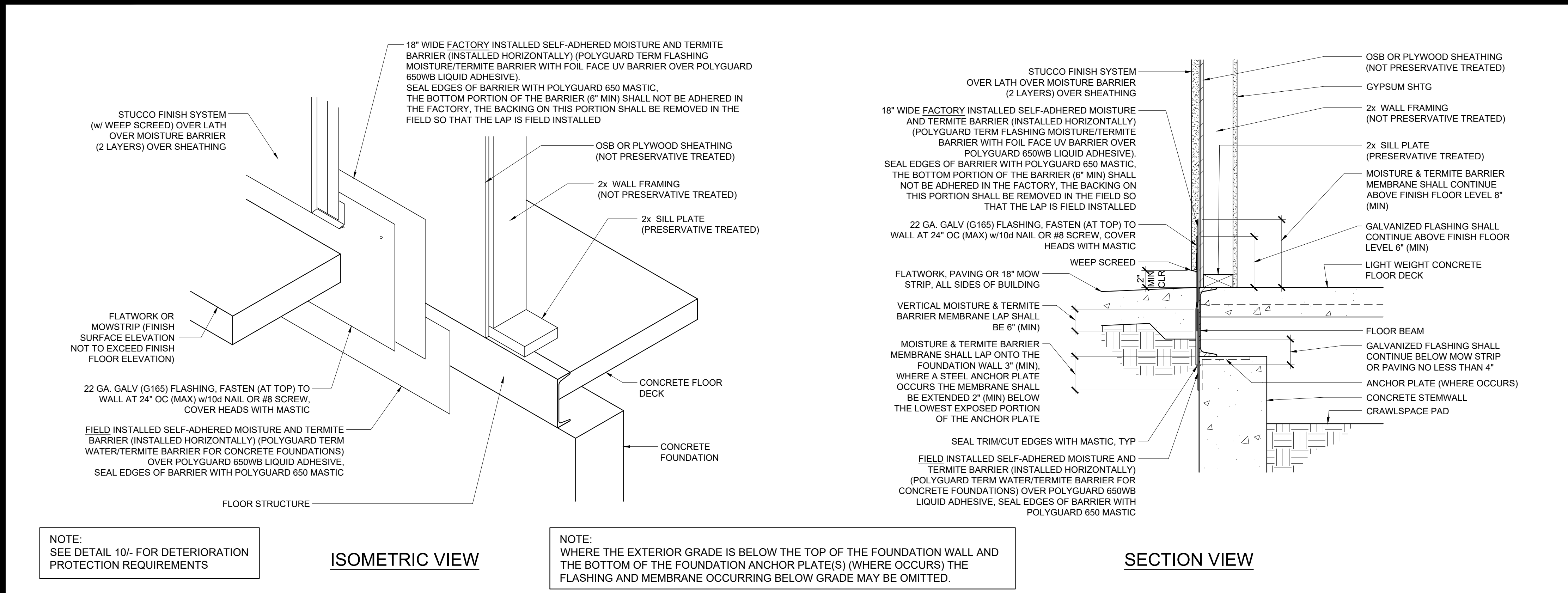
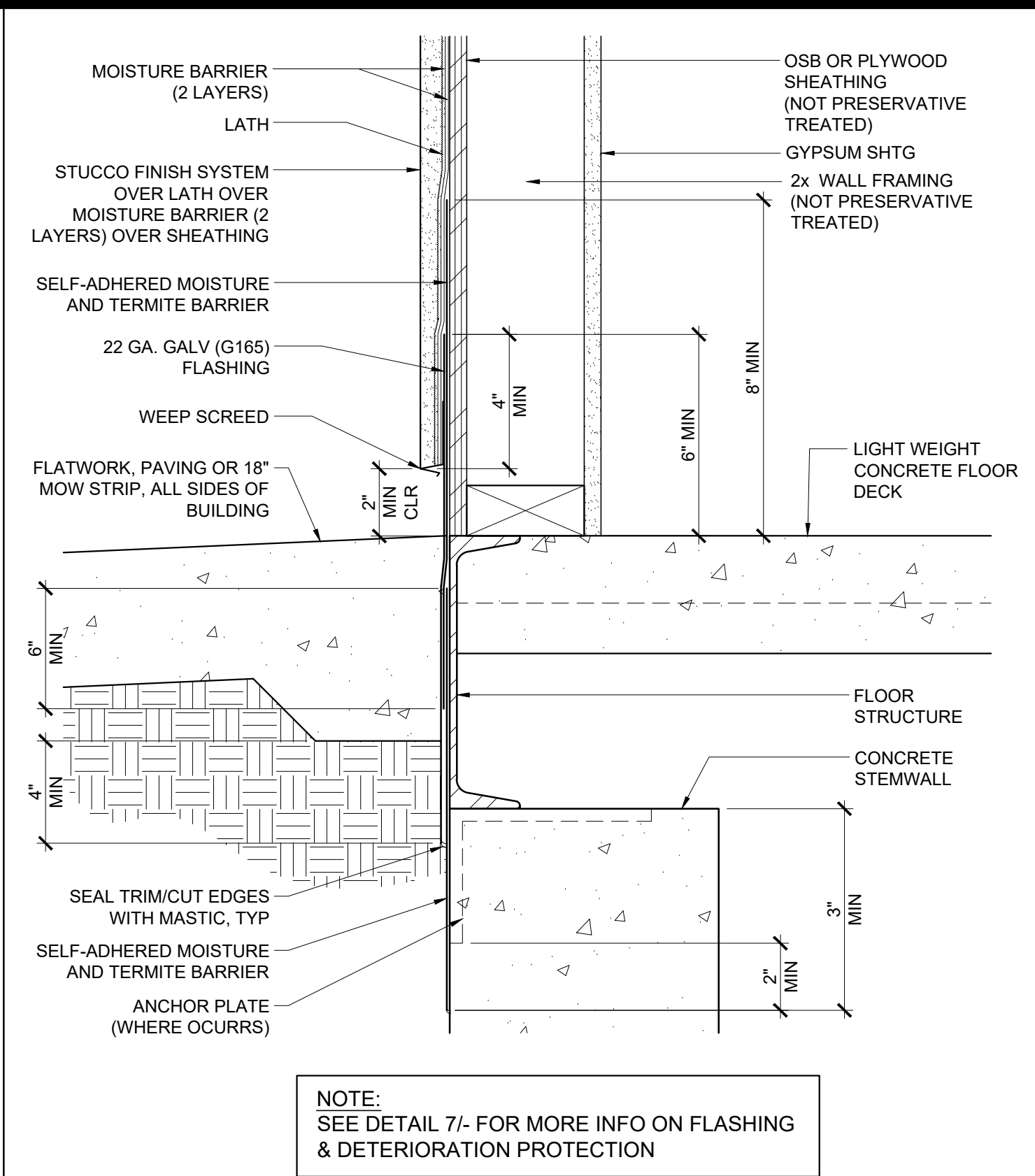
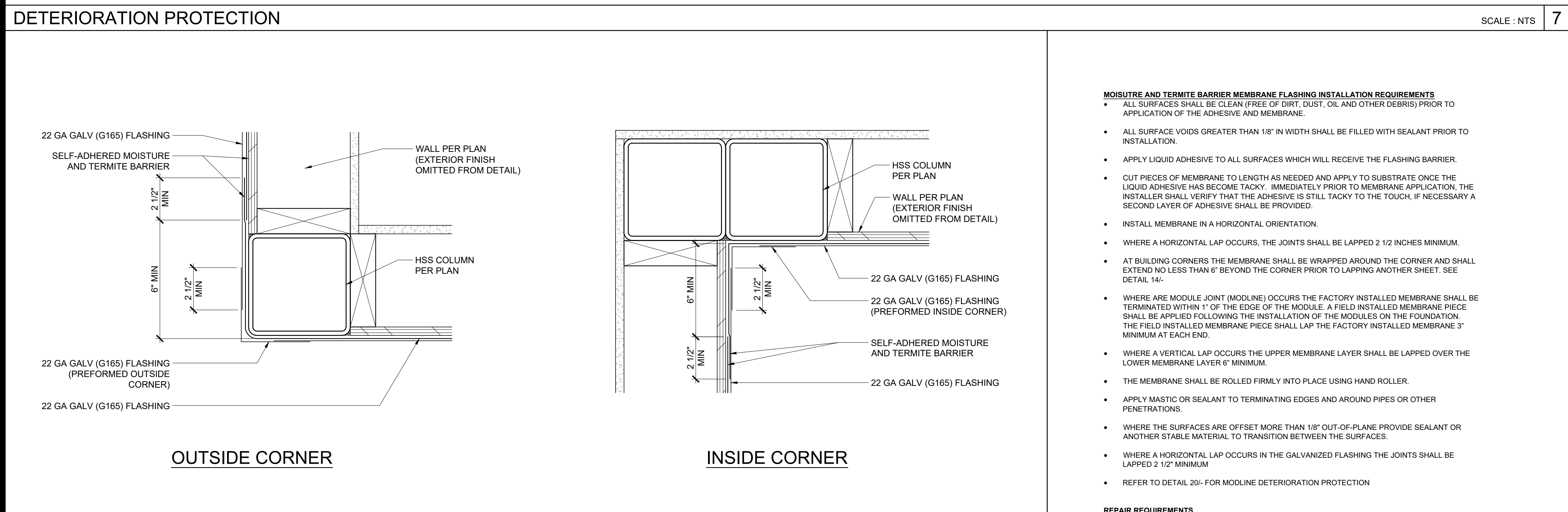
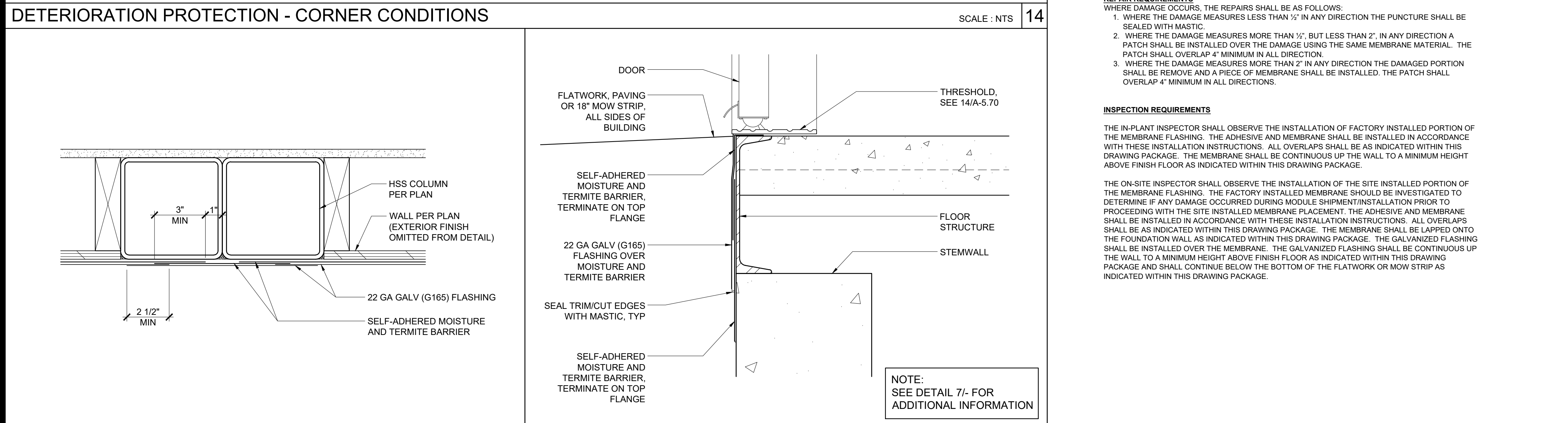
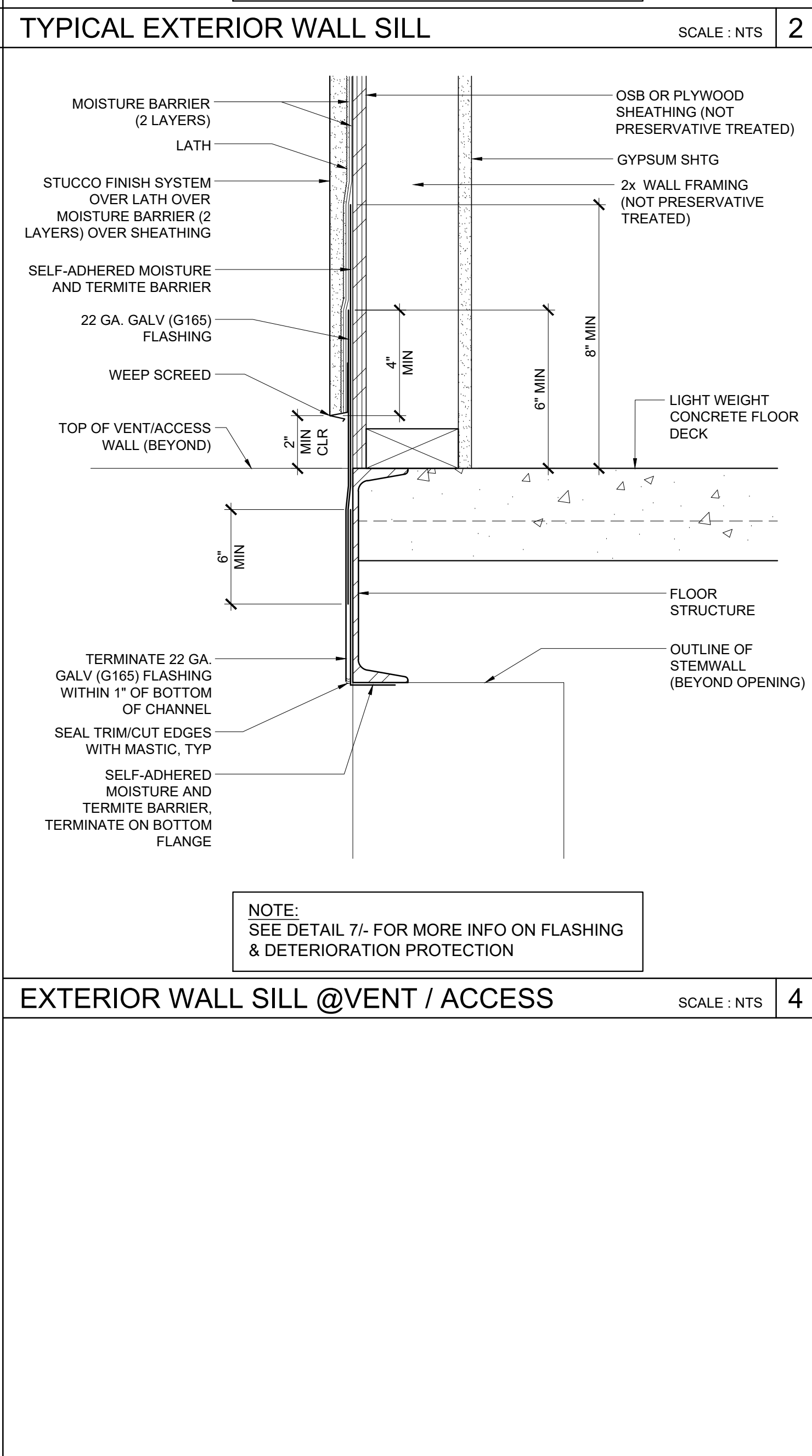
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Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

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



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PROJECT NAME:
**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

SHEET TITLE:
**DETERIORATION
PROTECTION
STUCCO EXTERIOR FINISH
CONC FLOOR - WD STUDS**

REVISIONS

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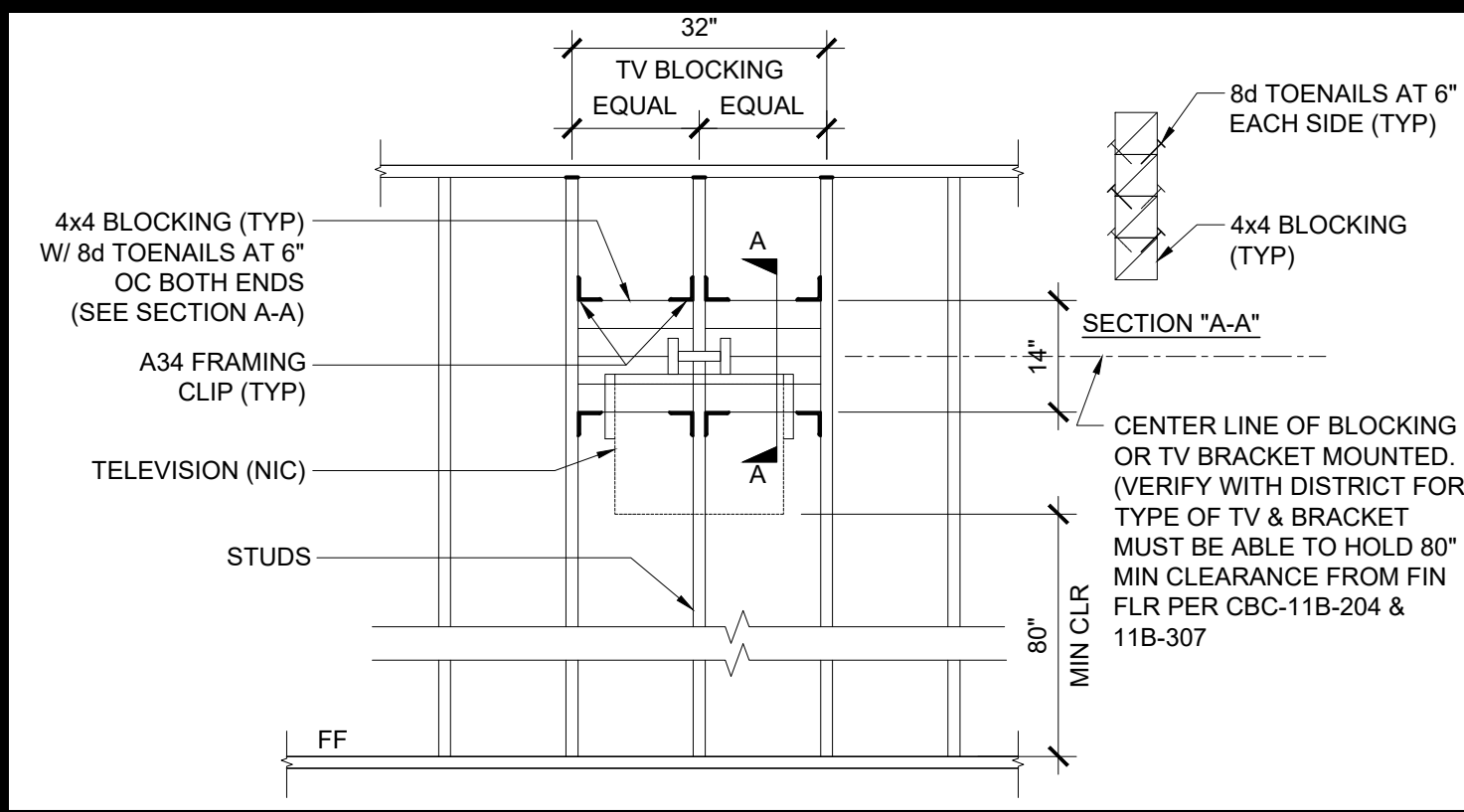
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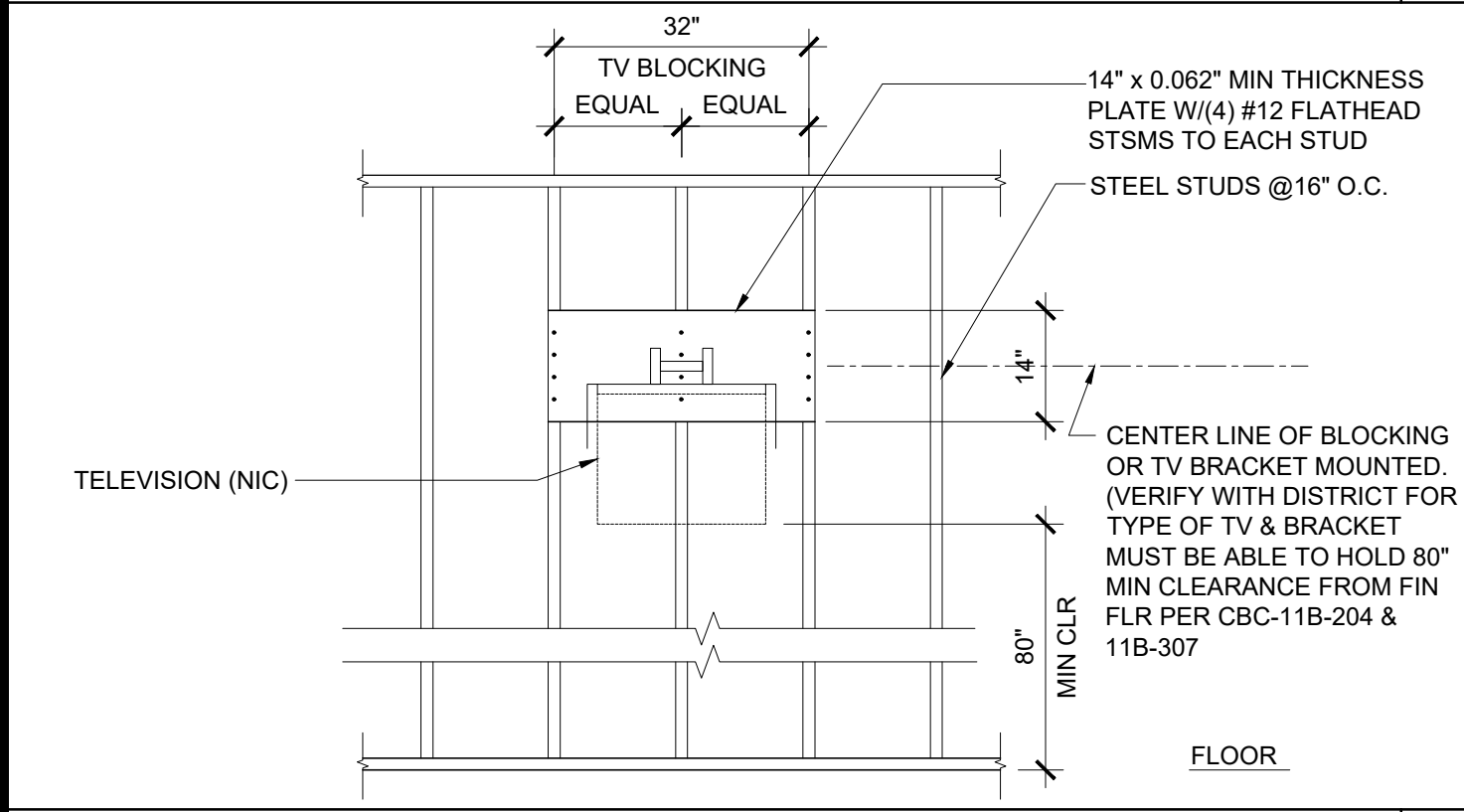
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SILVER CREEK INDUSTRIES
24' x 40' PC

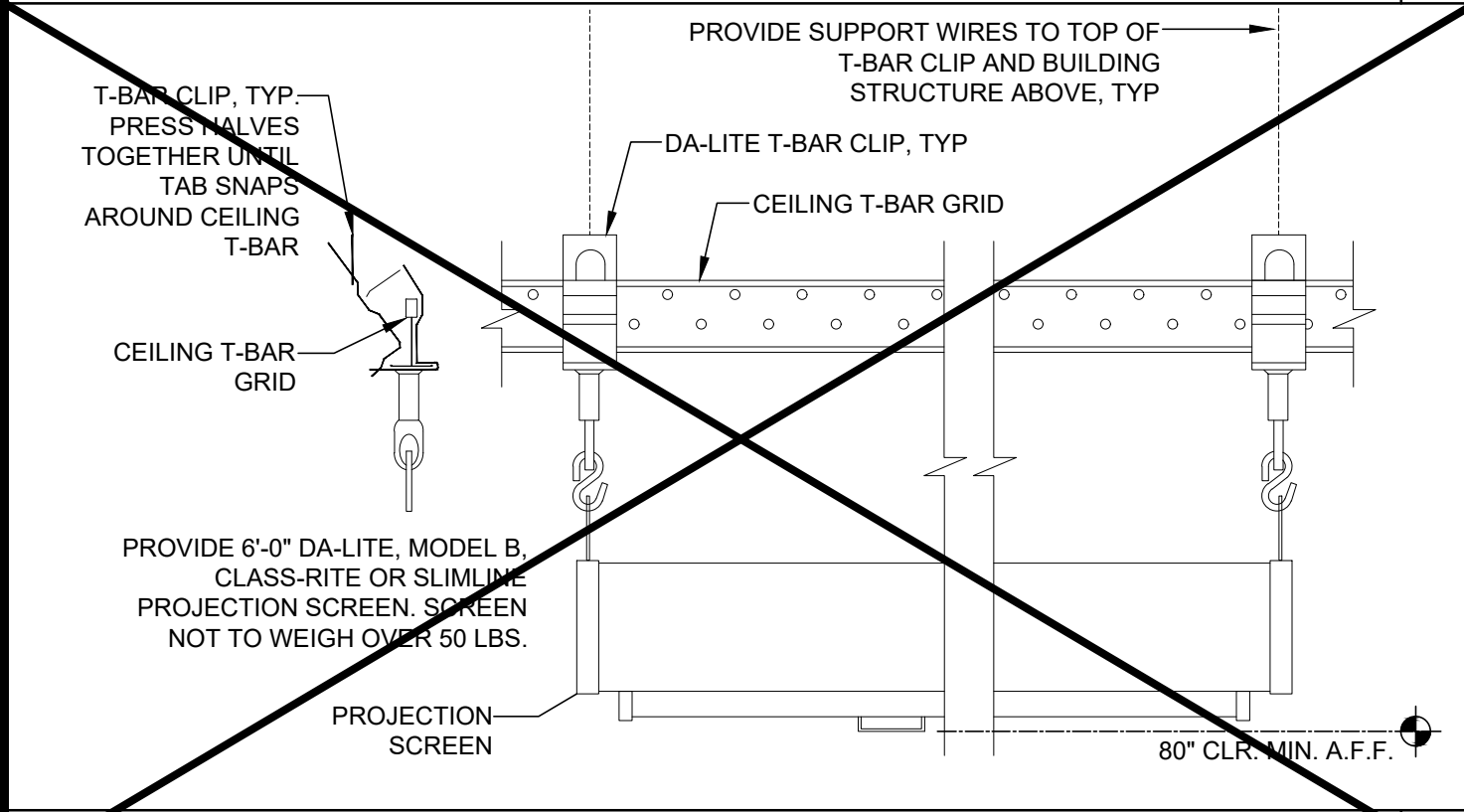
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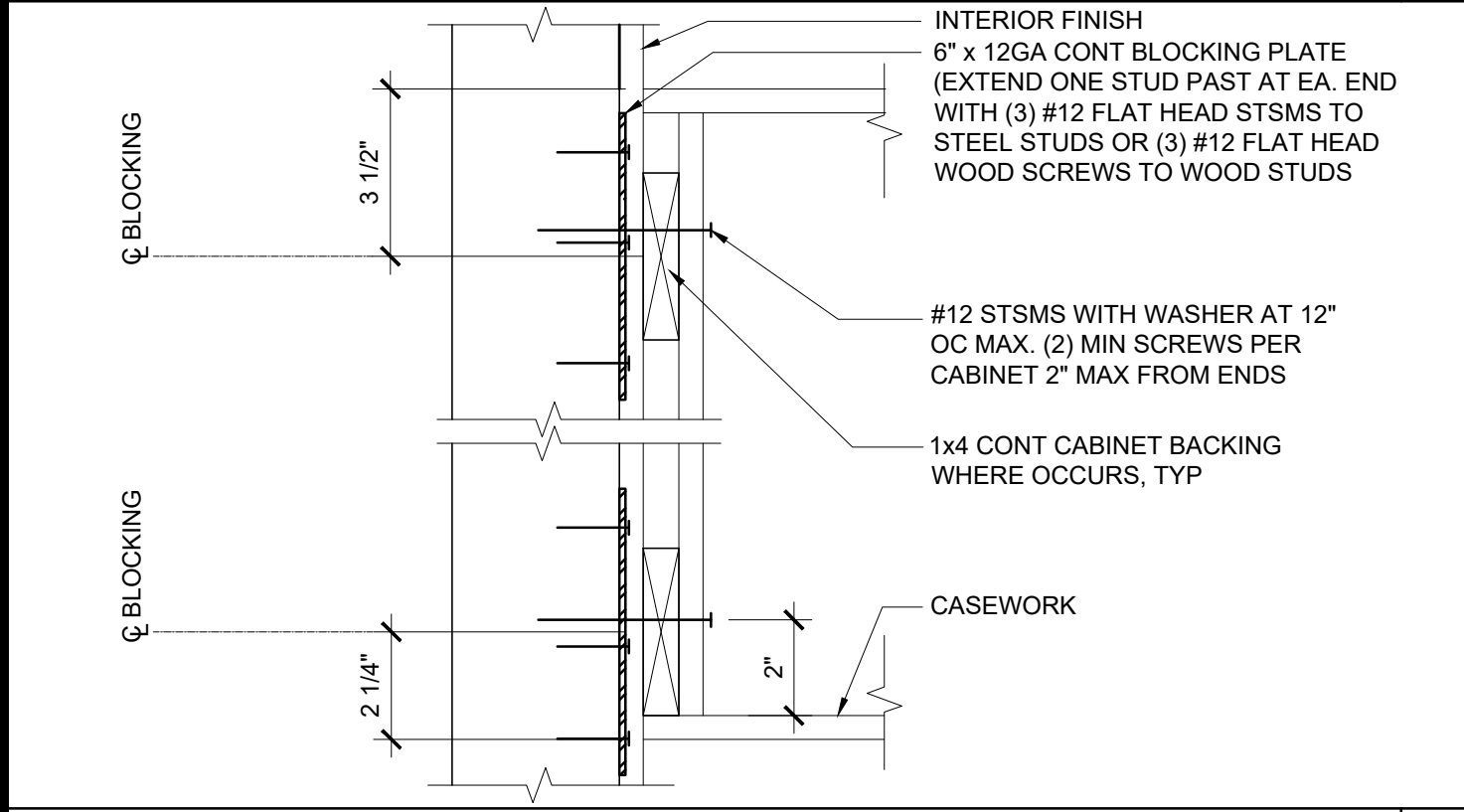
T.V. BLOCKING ATTACHMENT AT WOOD STUD SCALE : 1/2" = 1'-0" 16



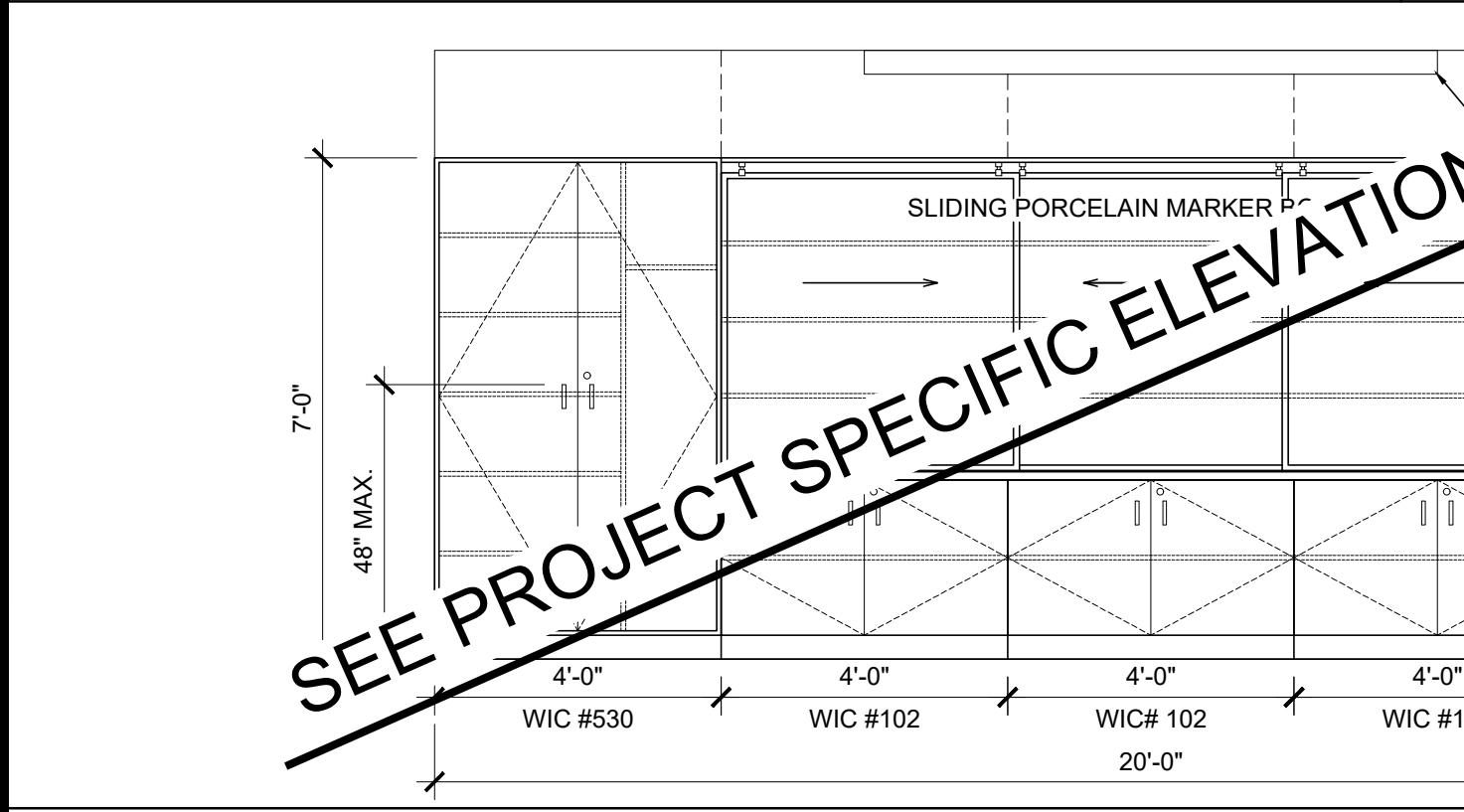
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PROJECTION SCREEN MOUNTING SCALE : NTS 18



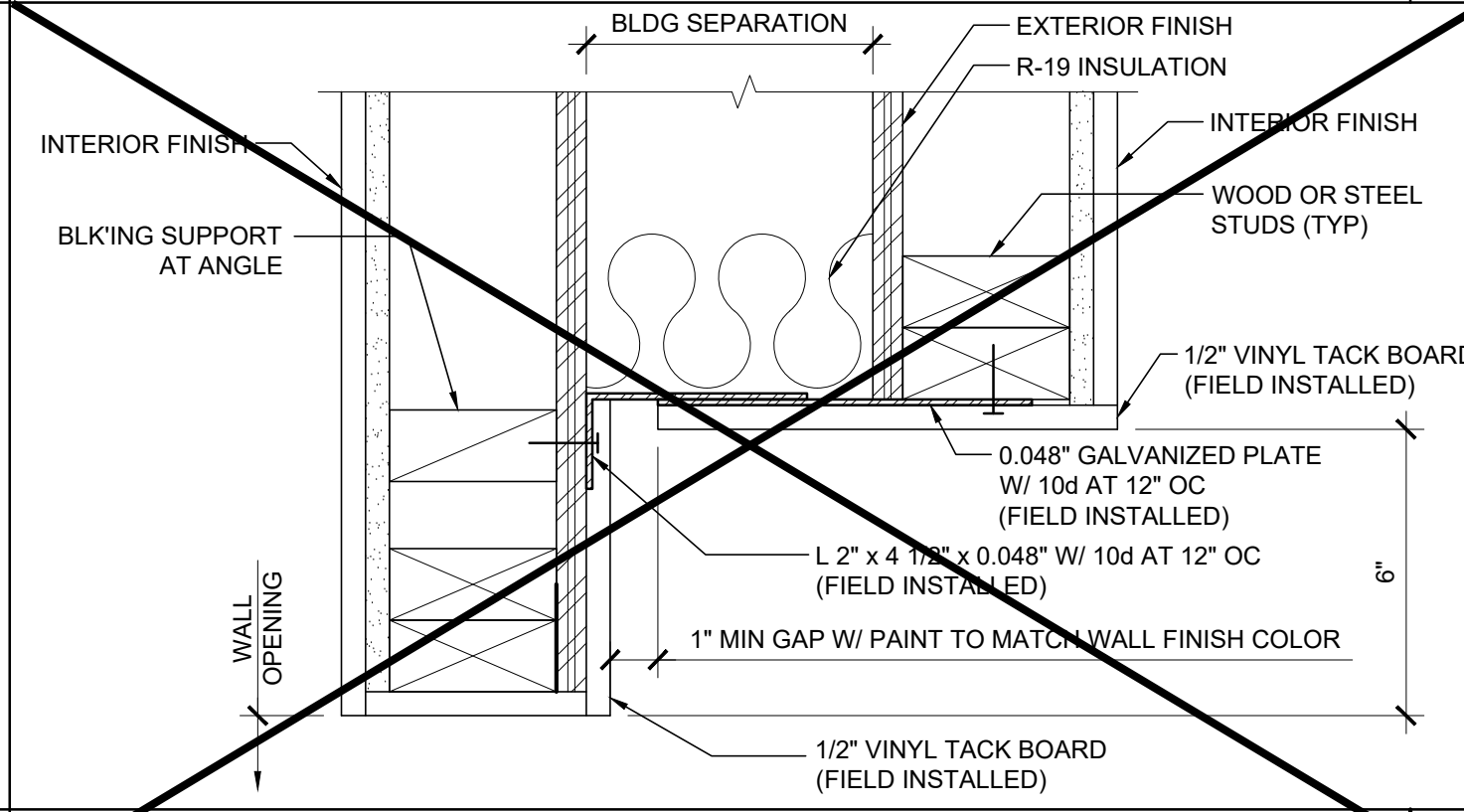
ATTACHMENT TO BLOCKING PLATE SCALE : 3" = 1'-0" 19



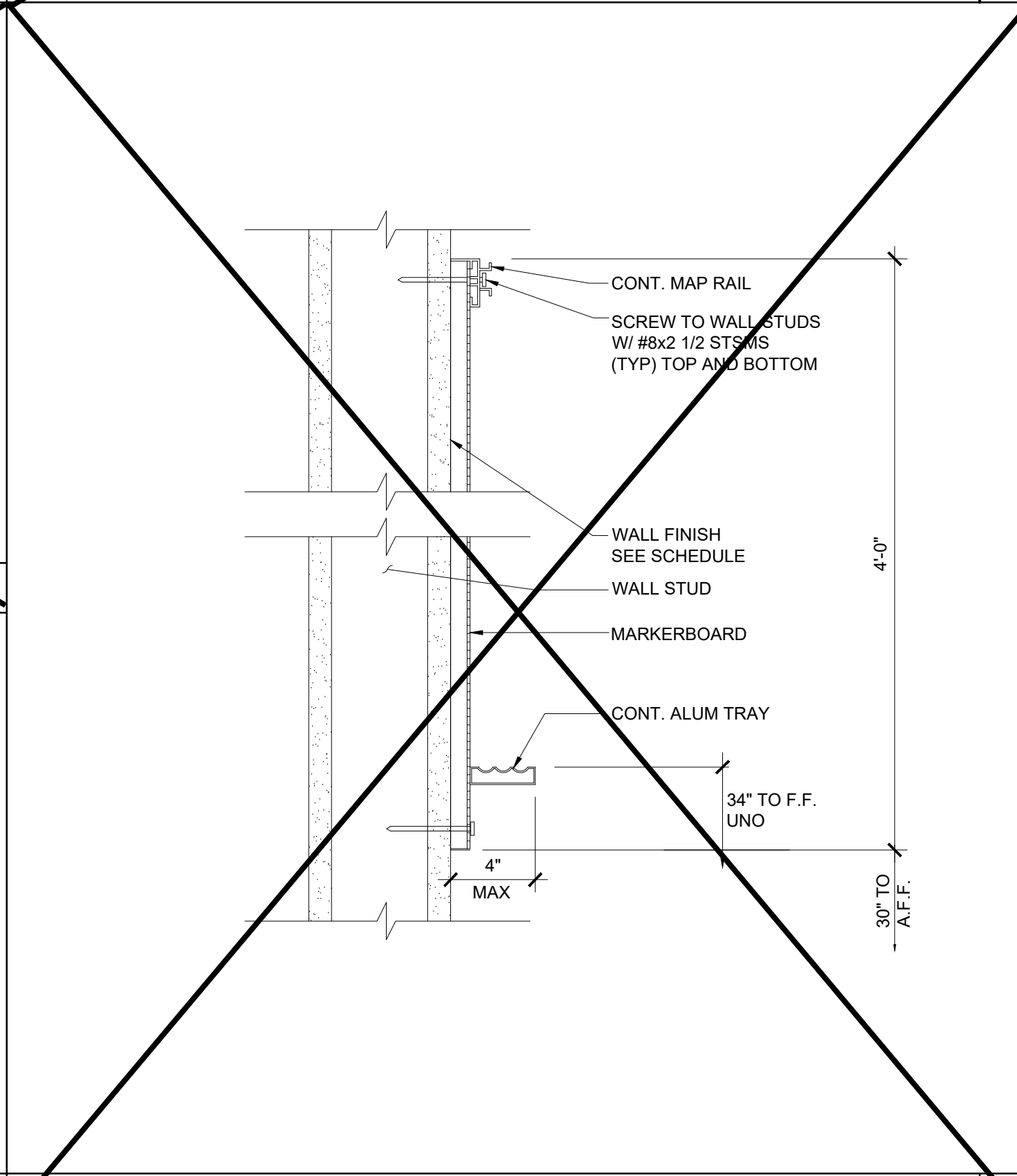
TEACHING WALL - ELEVATION / SECTION - OPTION SCALE : 3/8" = 1'-0" 15



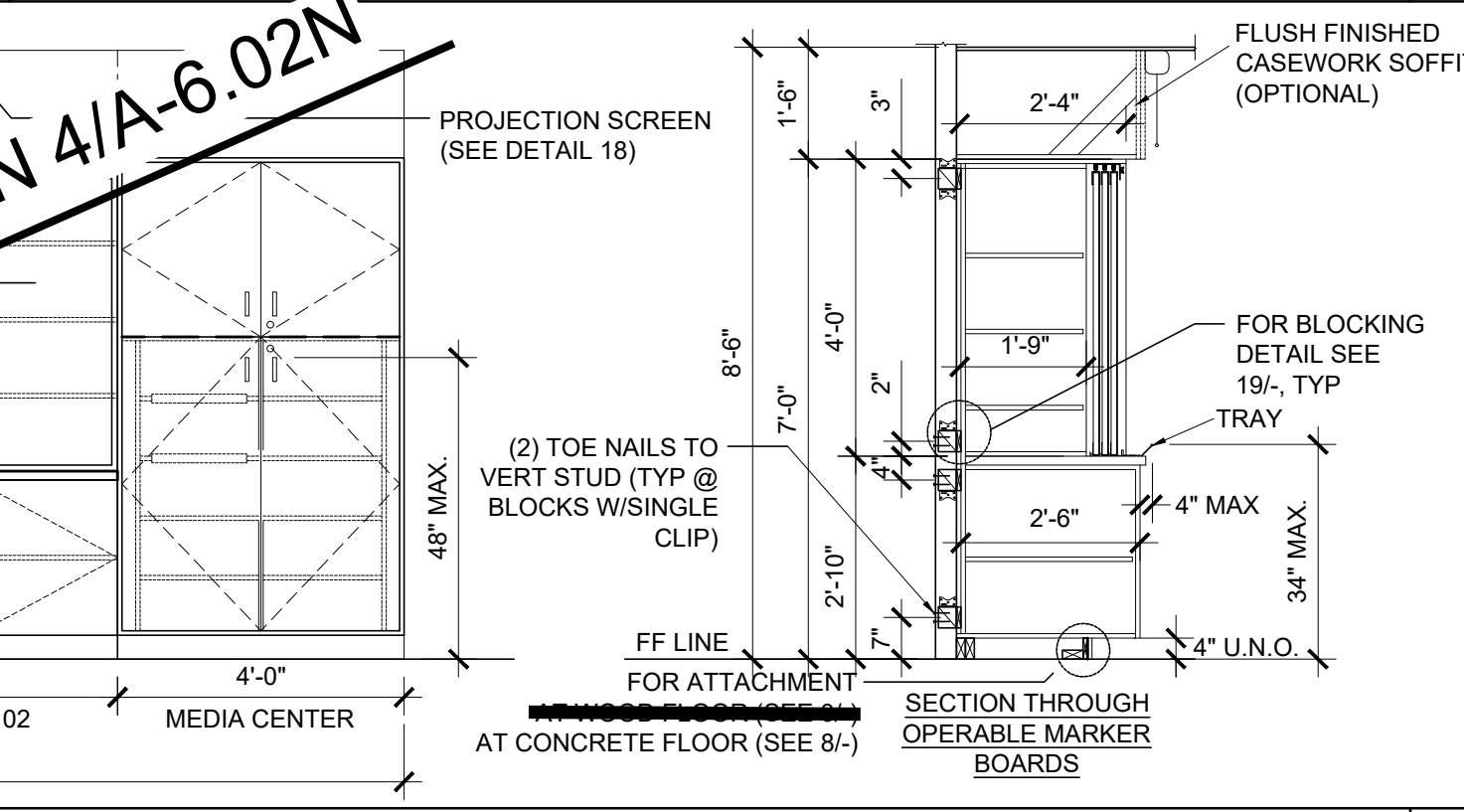
NOT USED 11



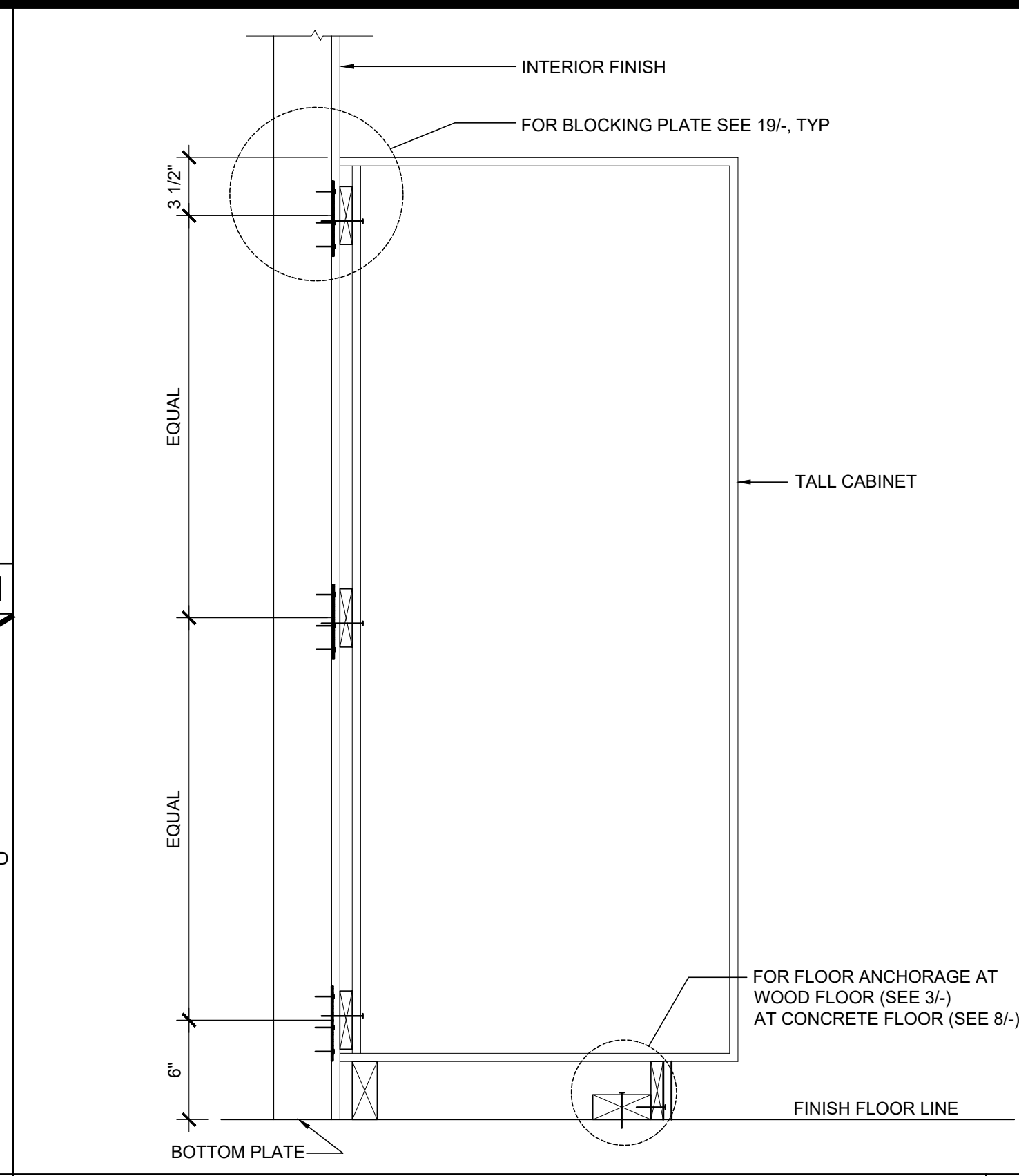
WALL OPENING AT HEADER AND JAMB SCALE : 3" = 1'-0" 12



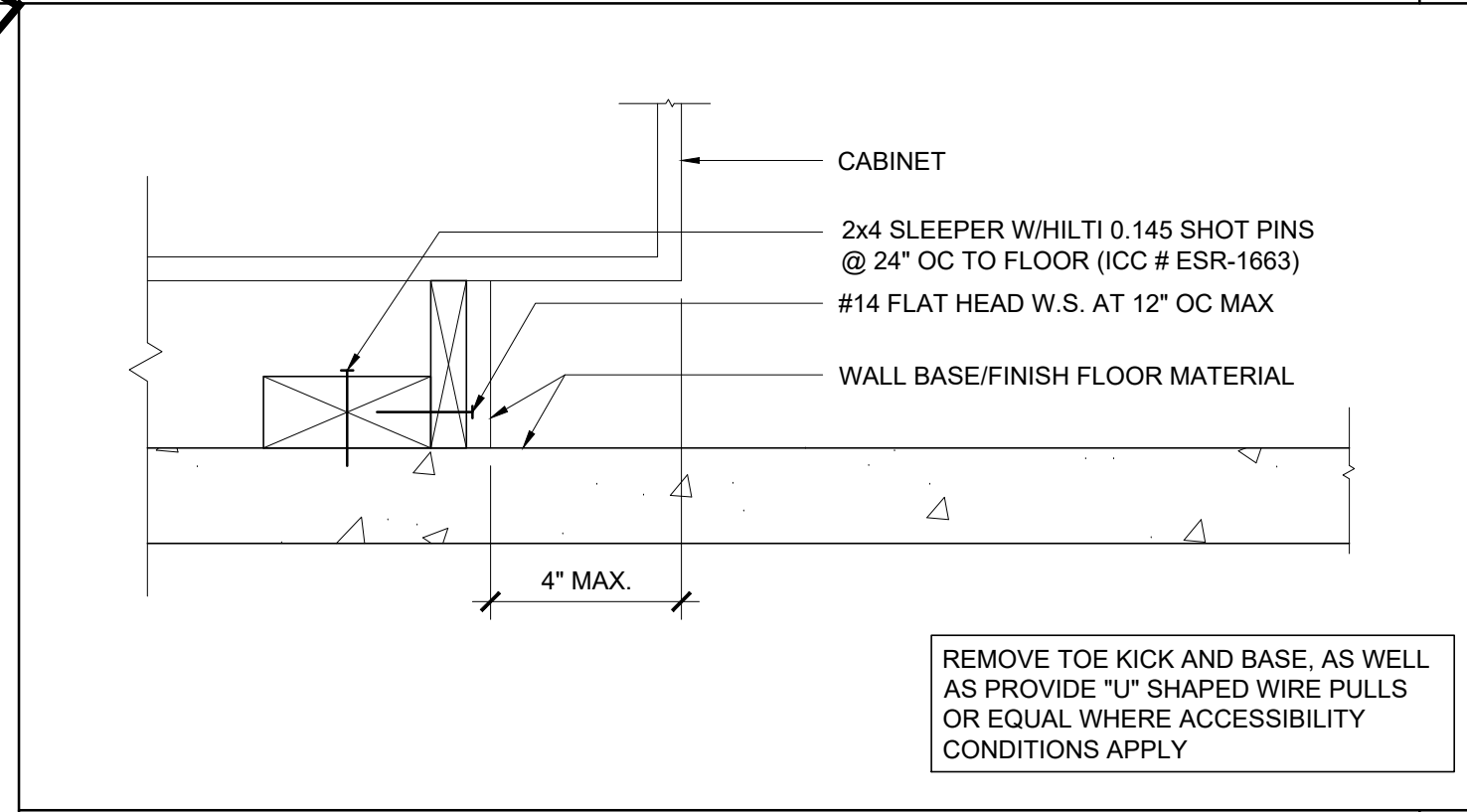
MARKER BOARD ATTACHMENT SCALE : 3" = 1'-0" 14



SEE PROJECT SPECIFIC ELEVATION 4/A-6.02N 15



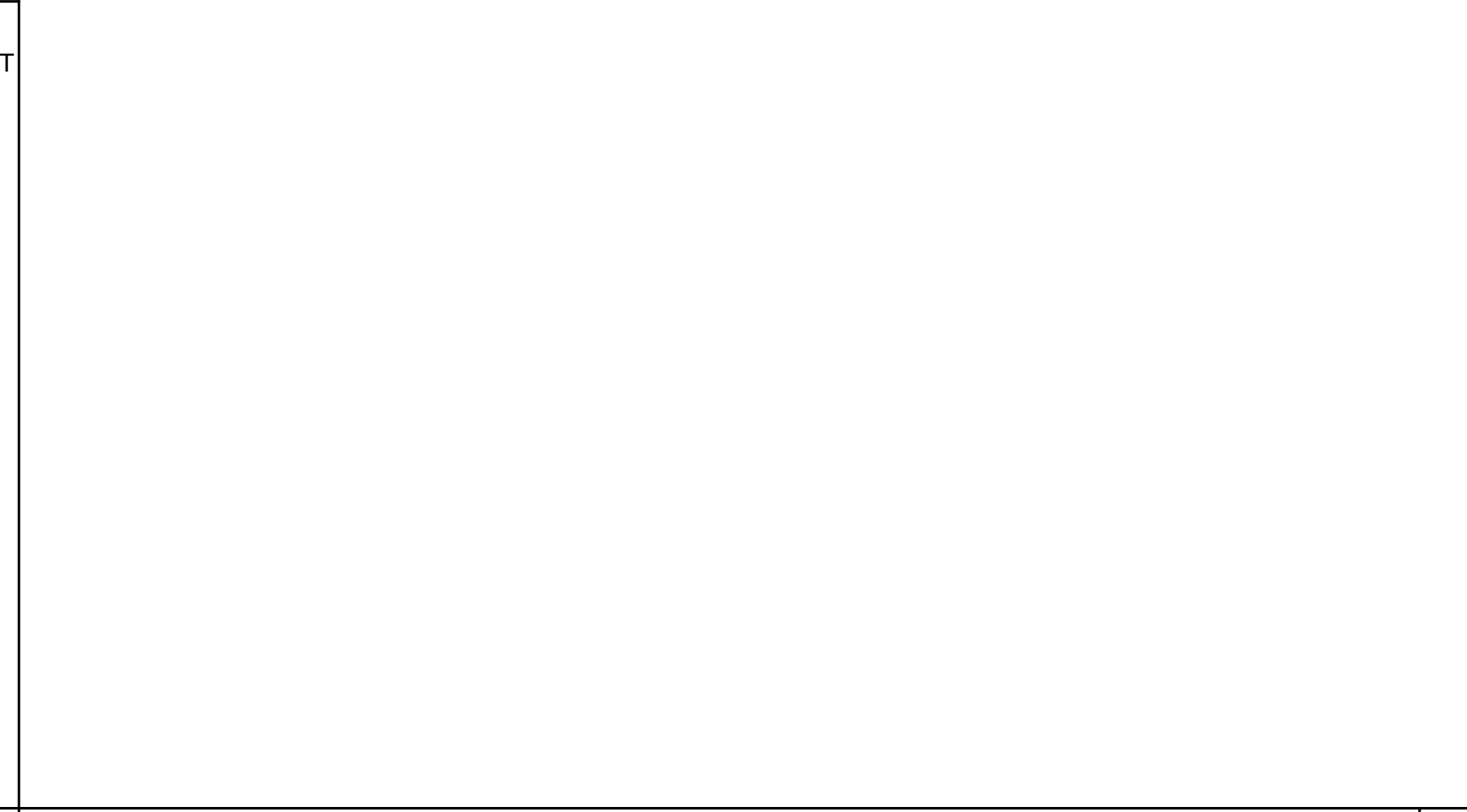
TALL CABINET WALL ANCHORAGE SCALE : 1 1/2" = 1'-0" 7



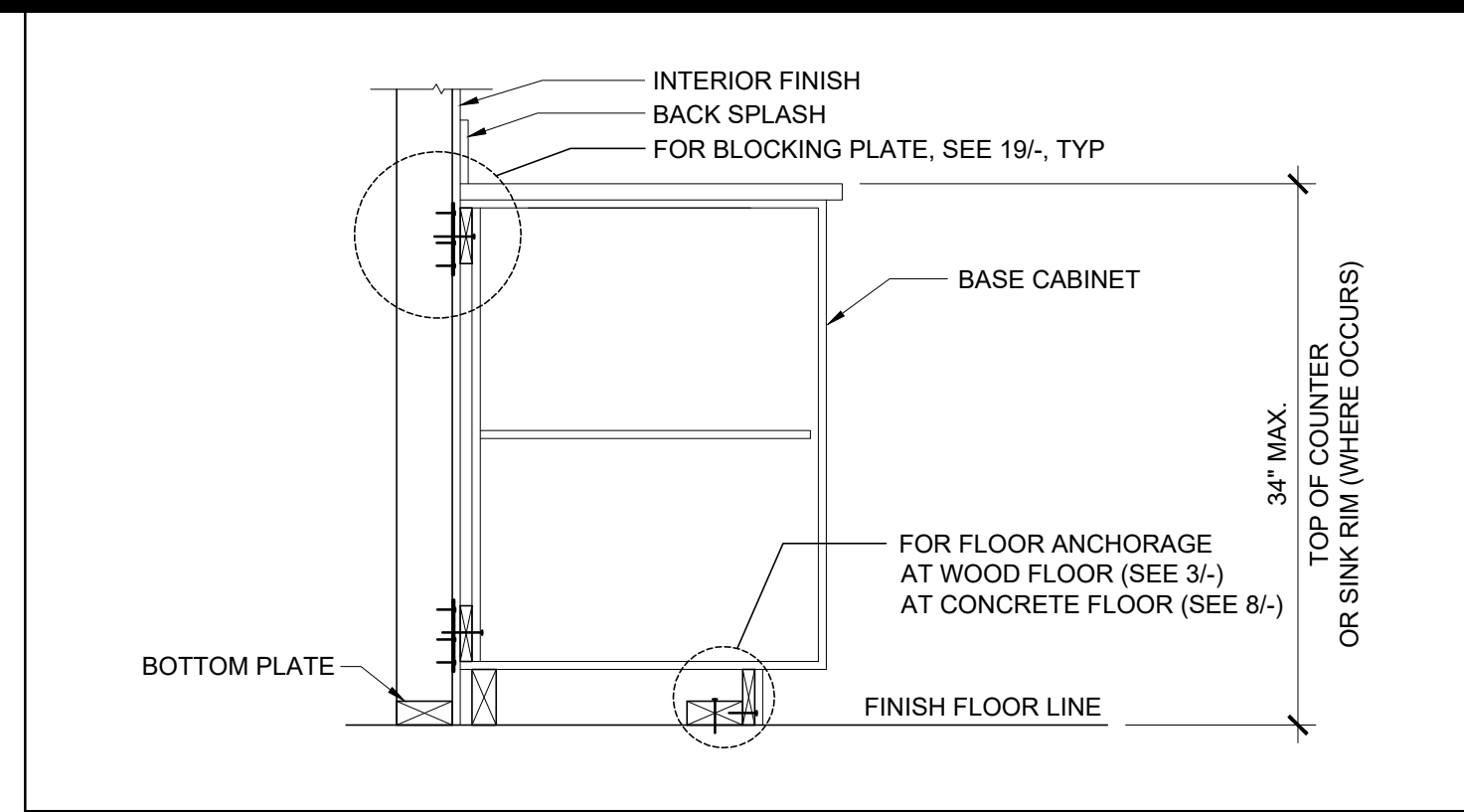
ATTACHMENT TO BLOCKING - CONC. FLOOR SCALE : 3" = 1'-0" 8



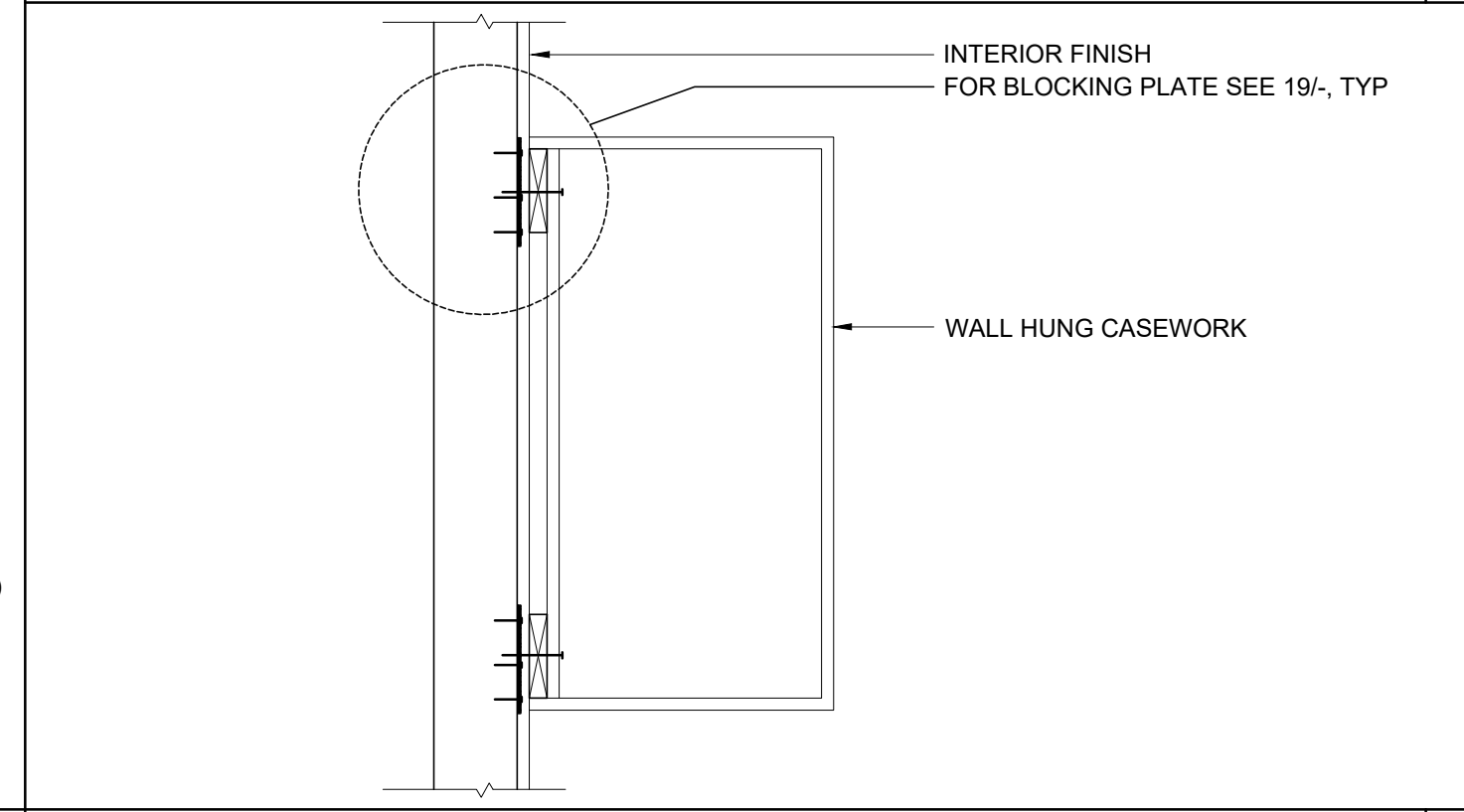
ATTACHMENT TO BLOCKING - WOOD FLOOR SCALE : 3" = 1'-0" 3



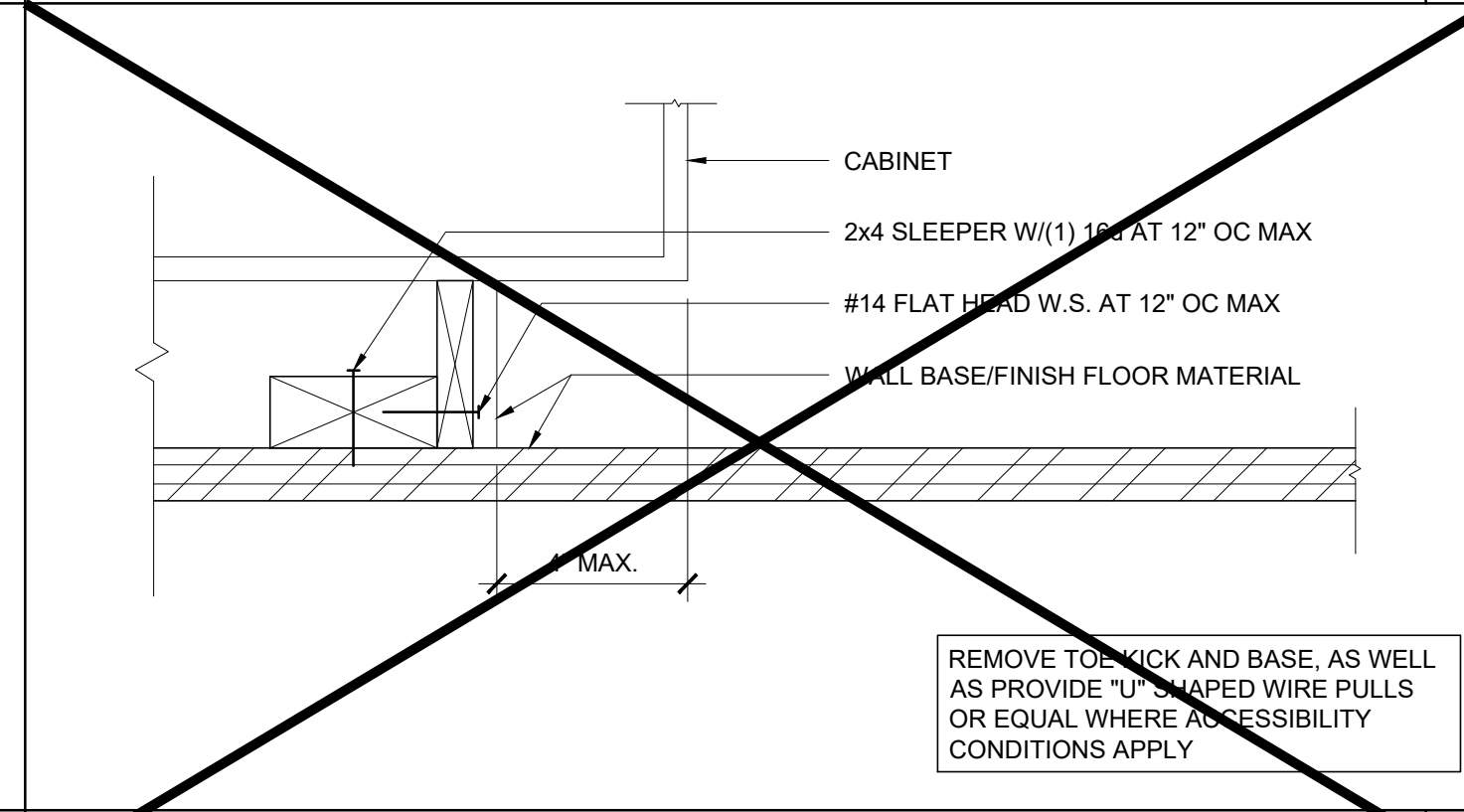
ACCESSIBLE COUNTER SCALE : 1" = 1'-0" 4



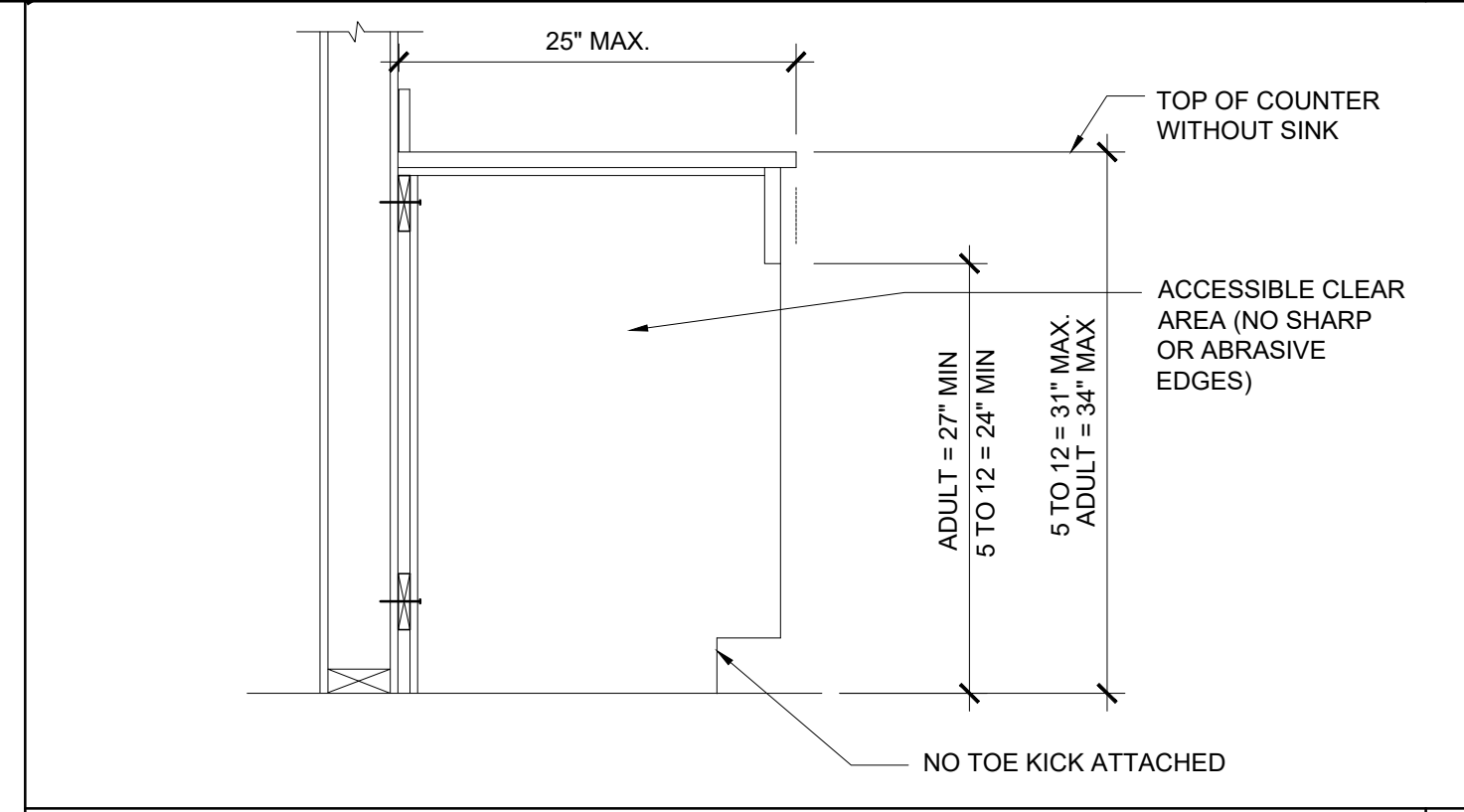
BASE CABINET WALL ANCHORAGE SCALE : 1" = 1'-0" 1



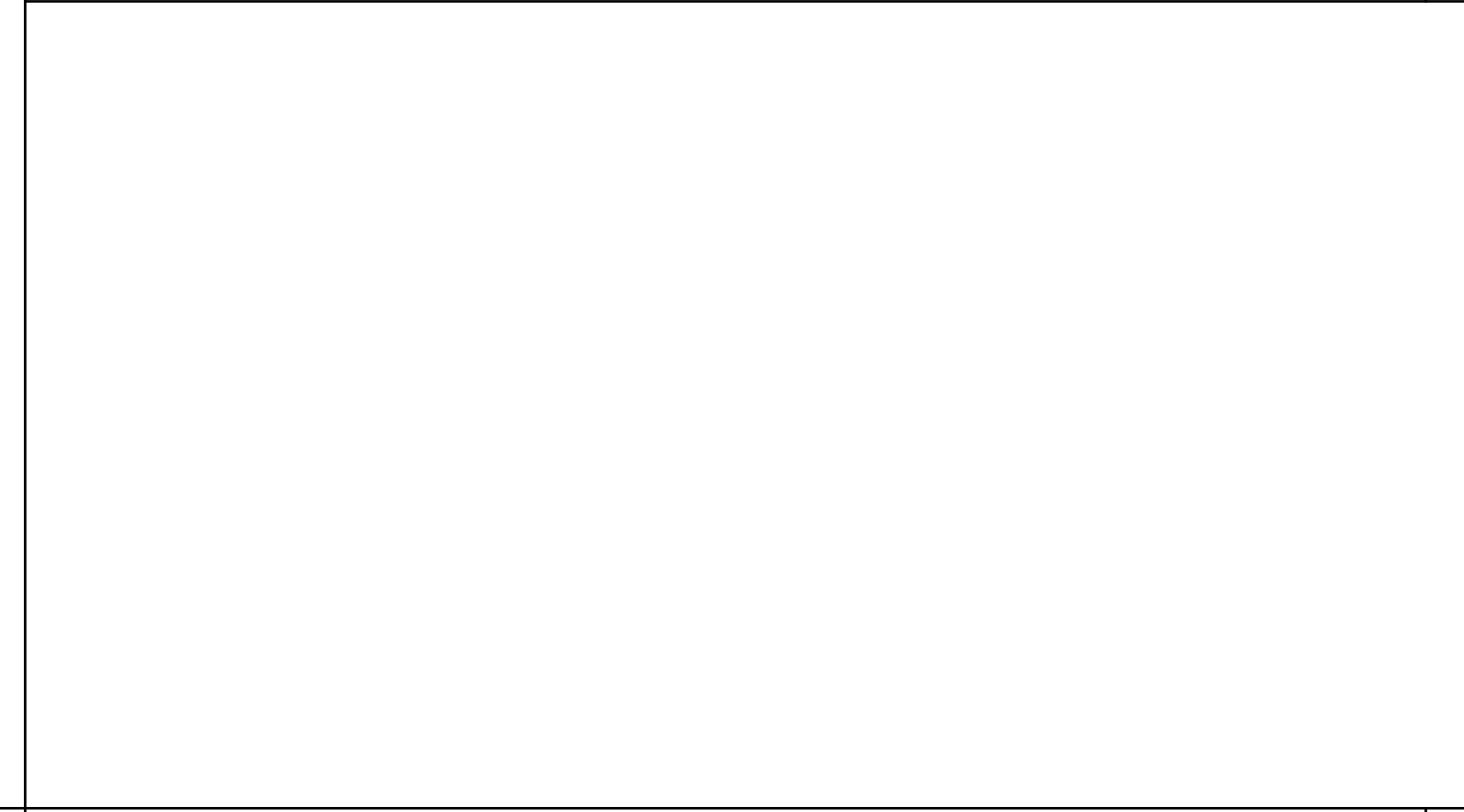
WALL HUNG ANCHORAGE CABINET SCALE : 1 1/2" = 1'-0" 2



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



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



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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122742 INC:
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DATE: 02/17/2026

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PROJECT NAME:
**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

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

REVISIONS
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4
5

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DATE: 08/31/2023

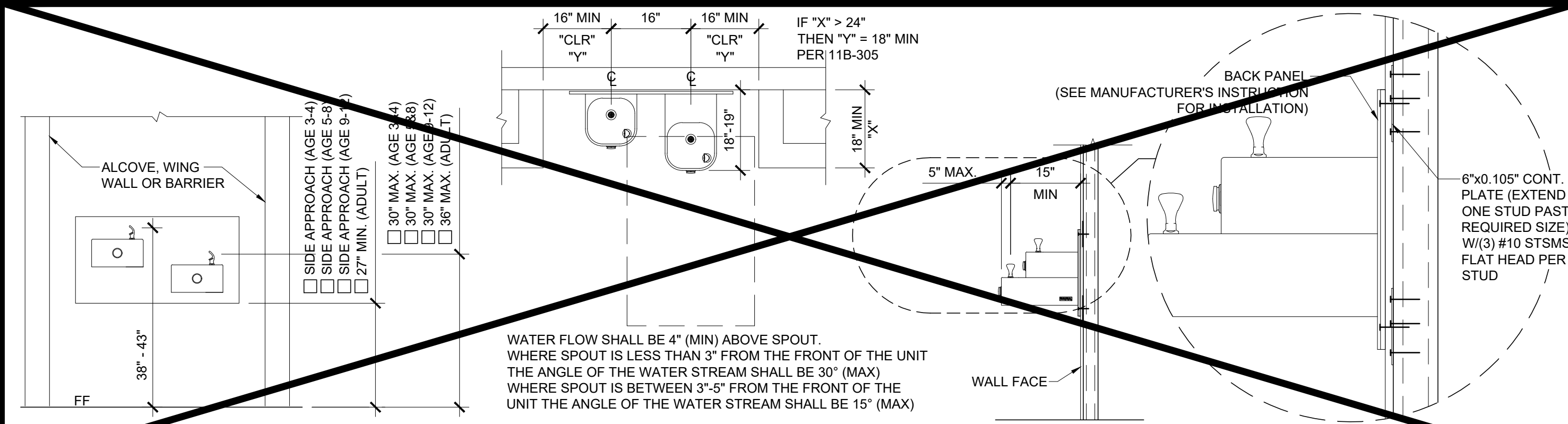
PC STATE AGENCY APPROVAL

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

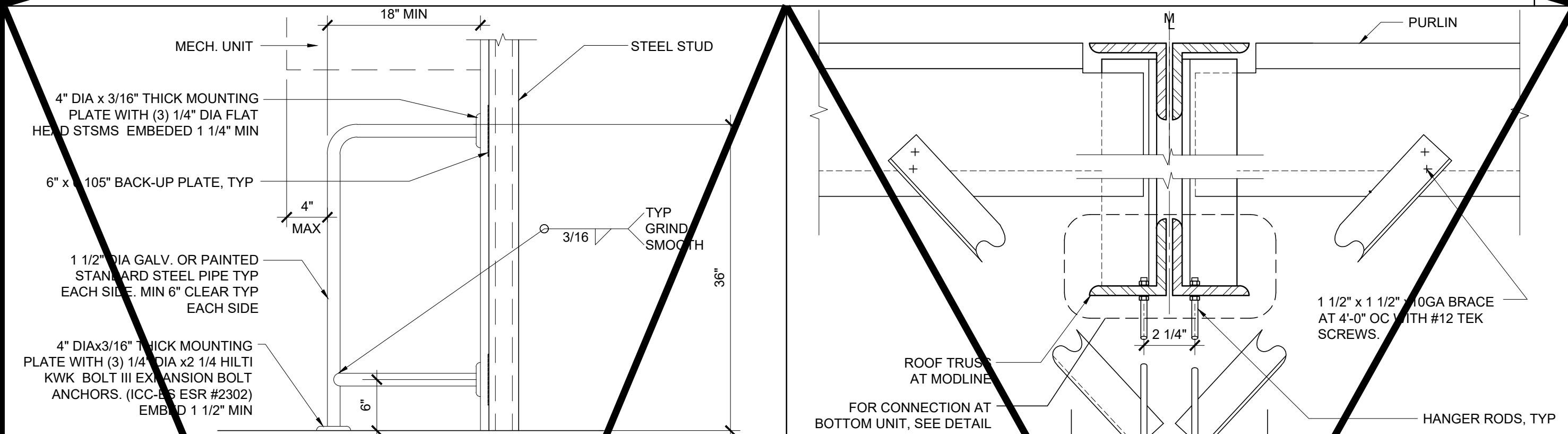
MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 40' PC

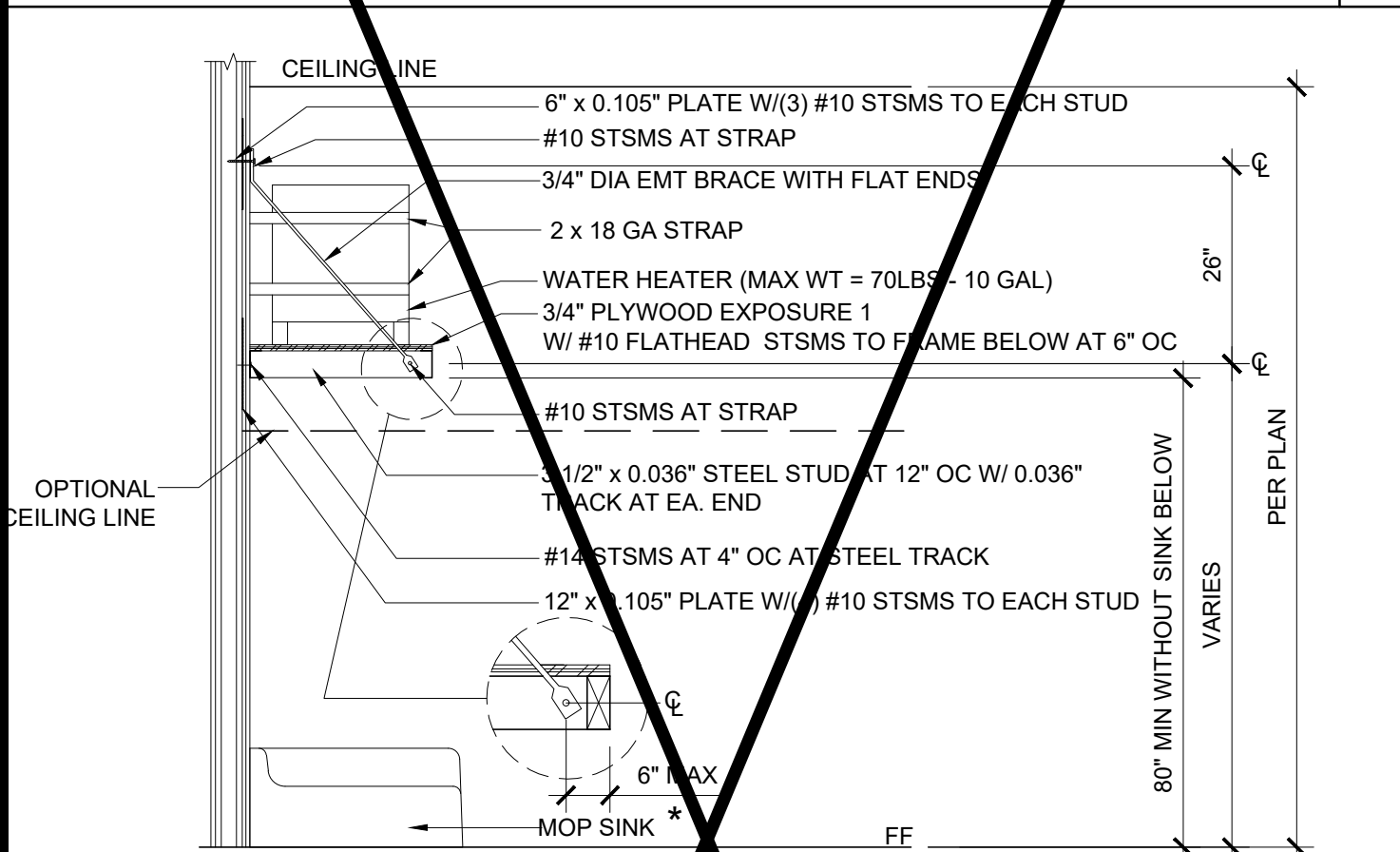
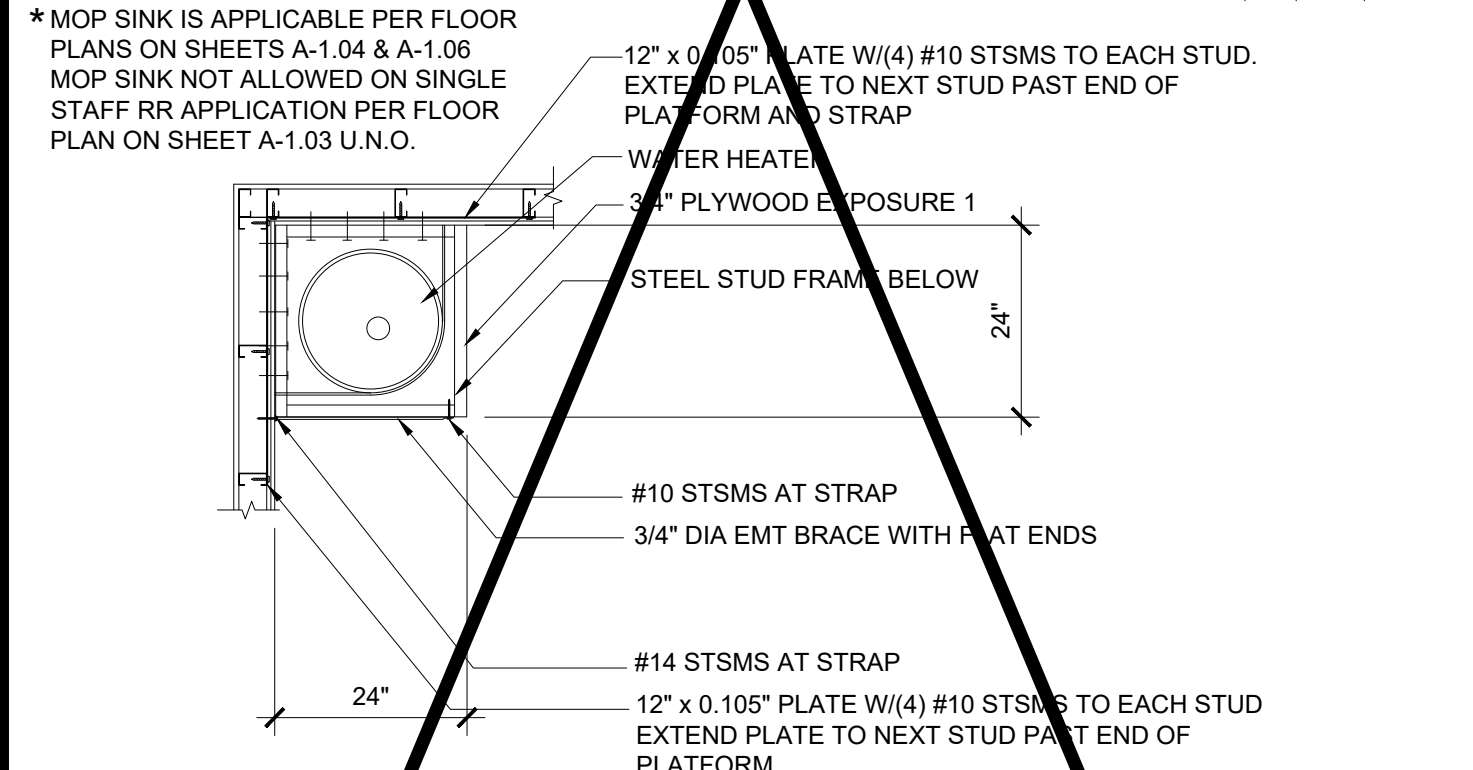
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 02-27-2023
P.C. SHEET NUMBER
A-5.80



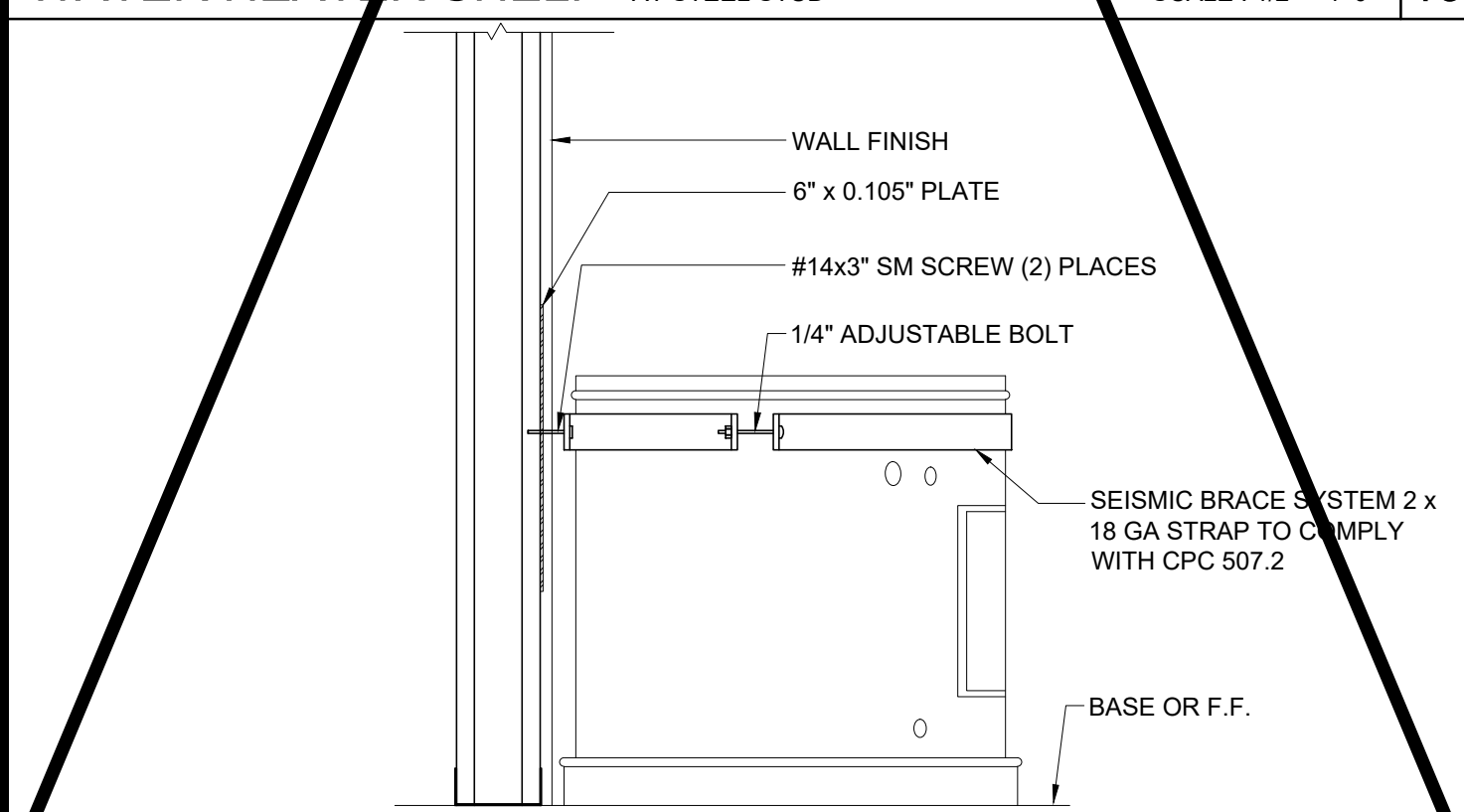
DRINKING FOUNTAIN BLOCKING DETAIL



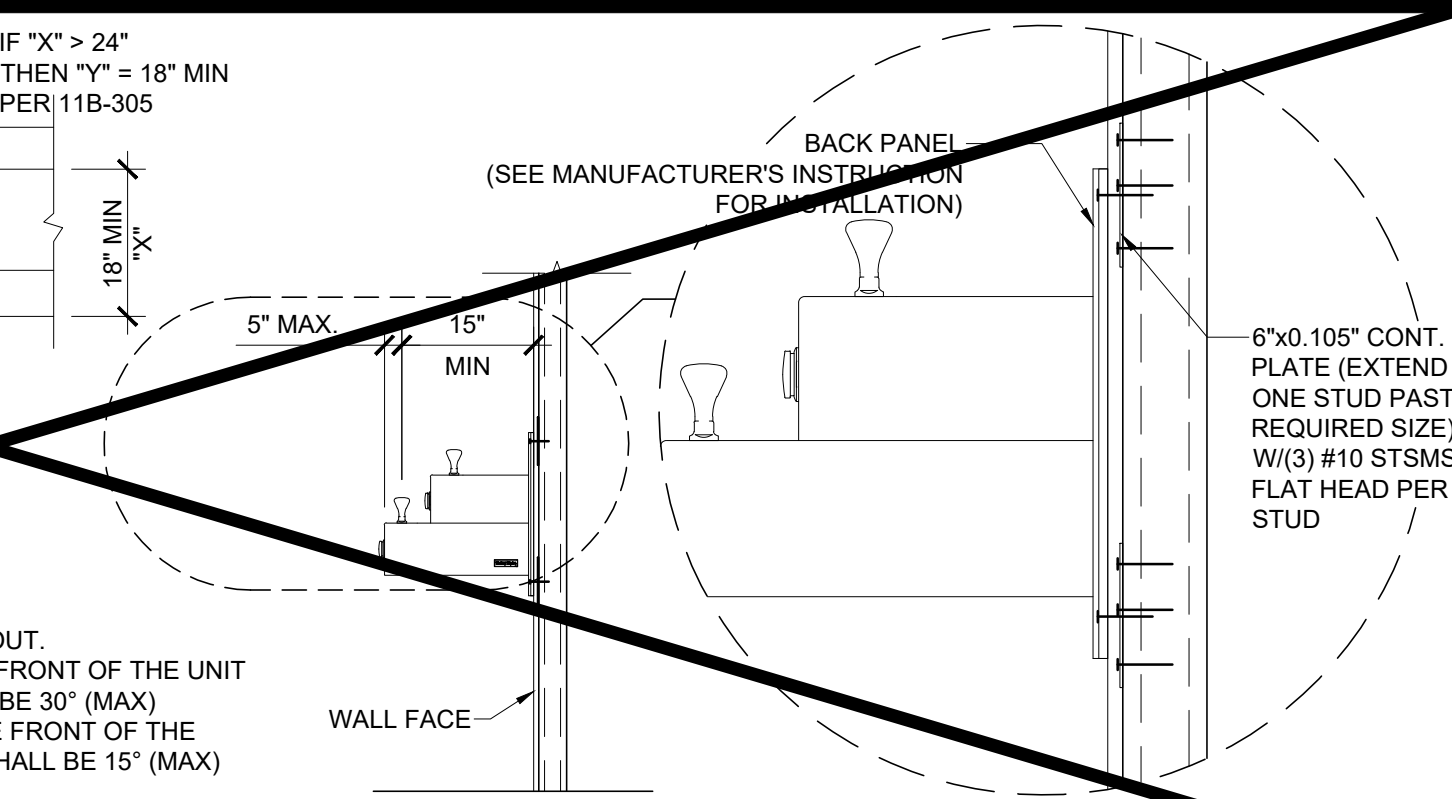
HVAC BARRIER - OPT. D.F. BARRIER



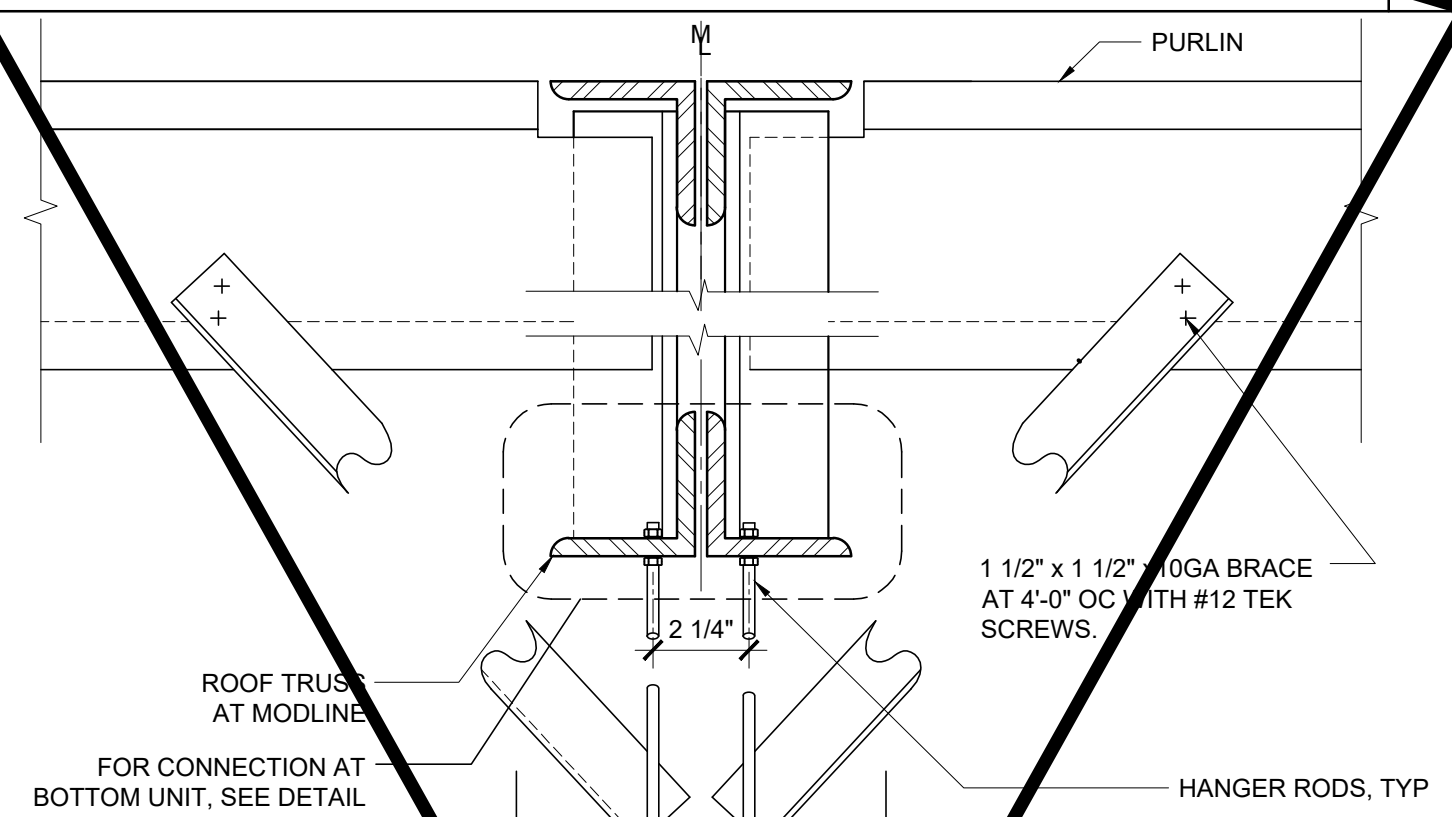
WATER HEATER SHELF



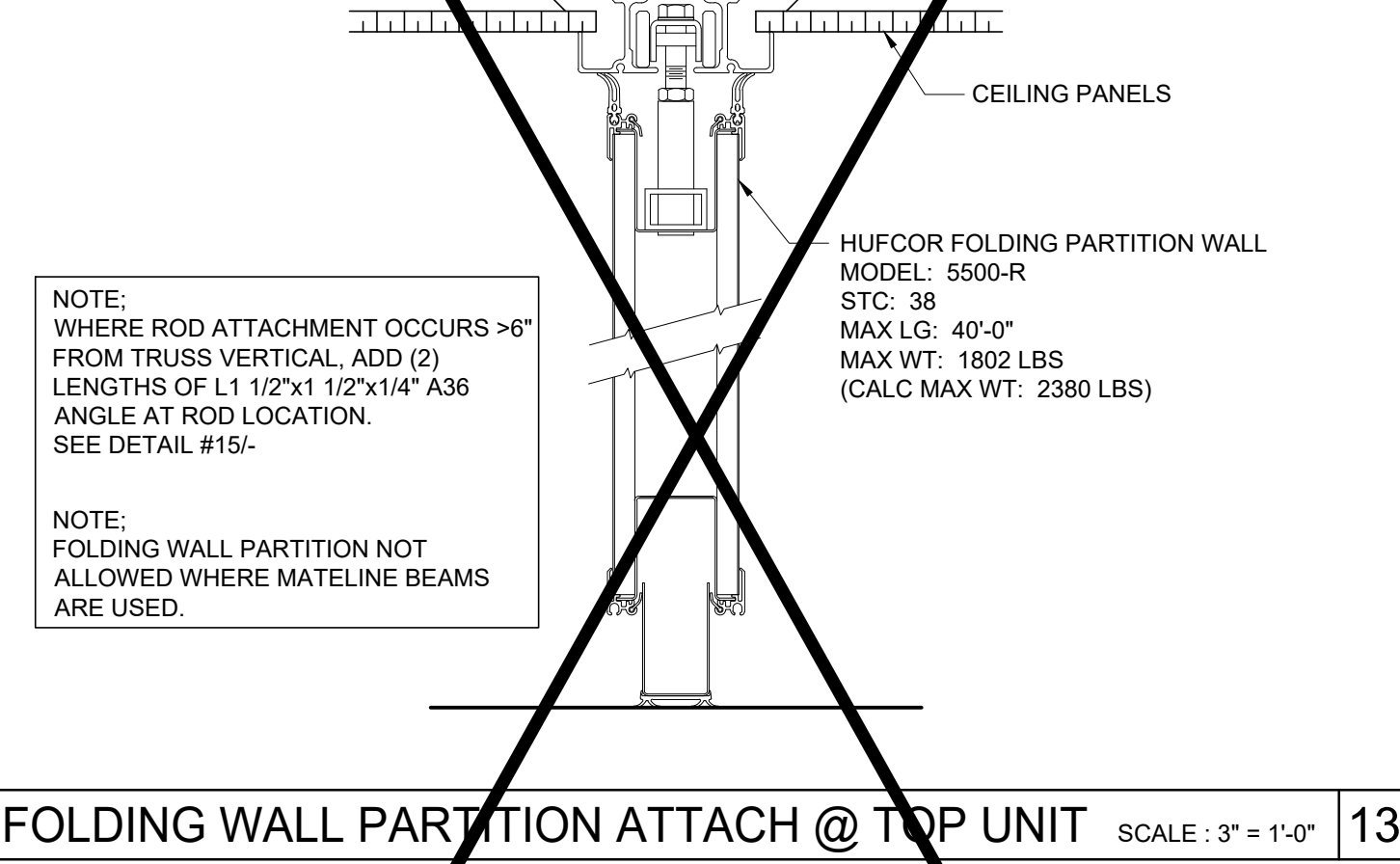
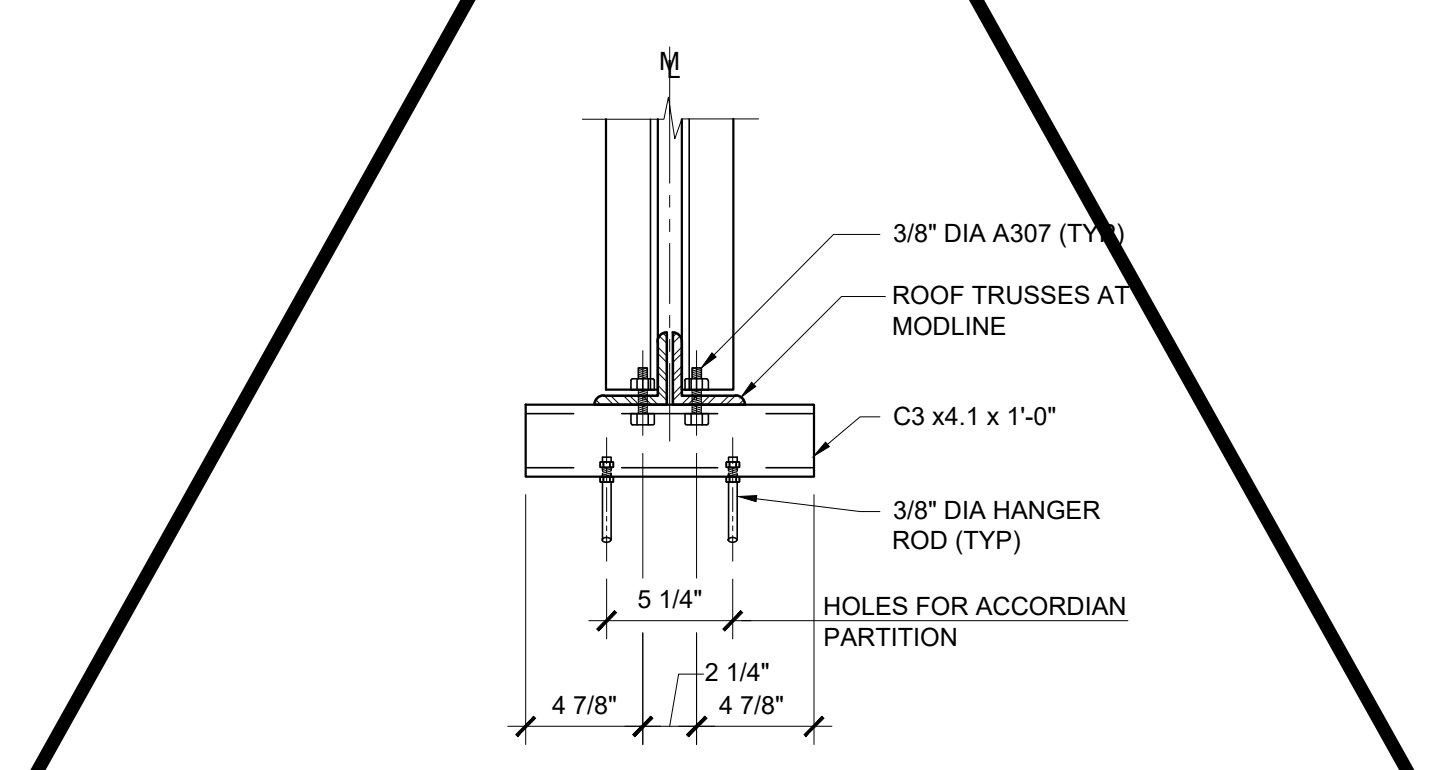
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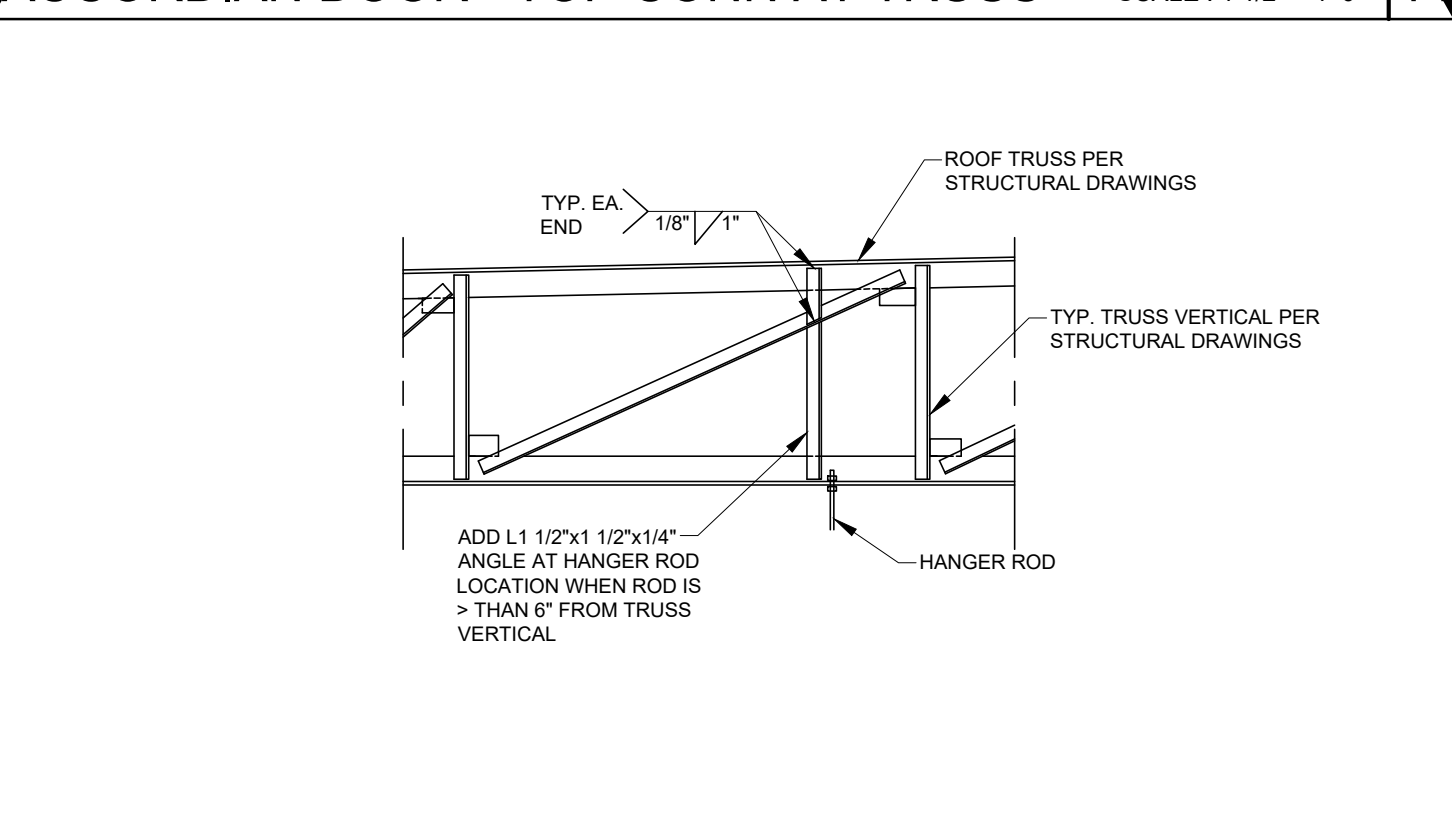
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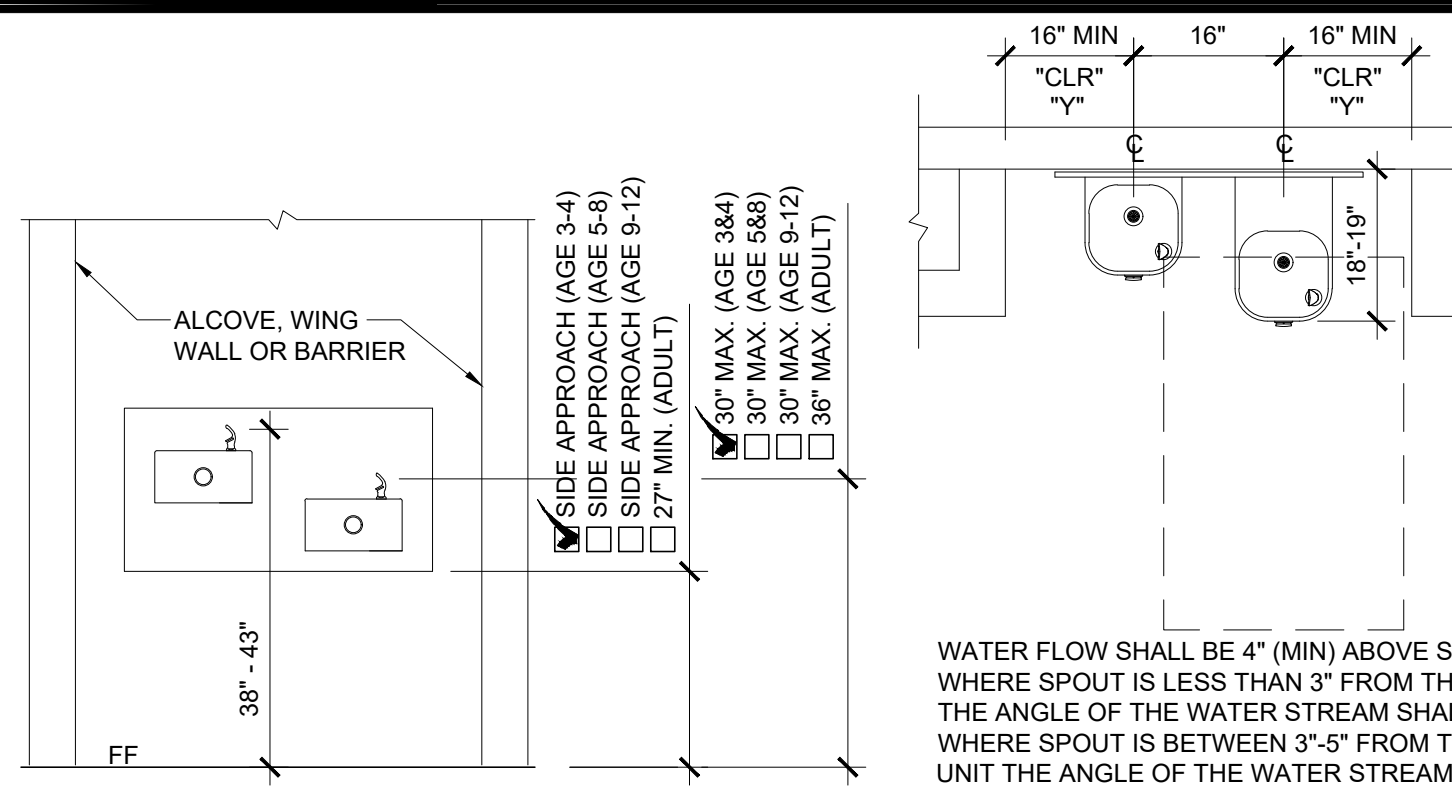
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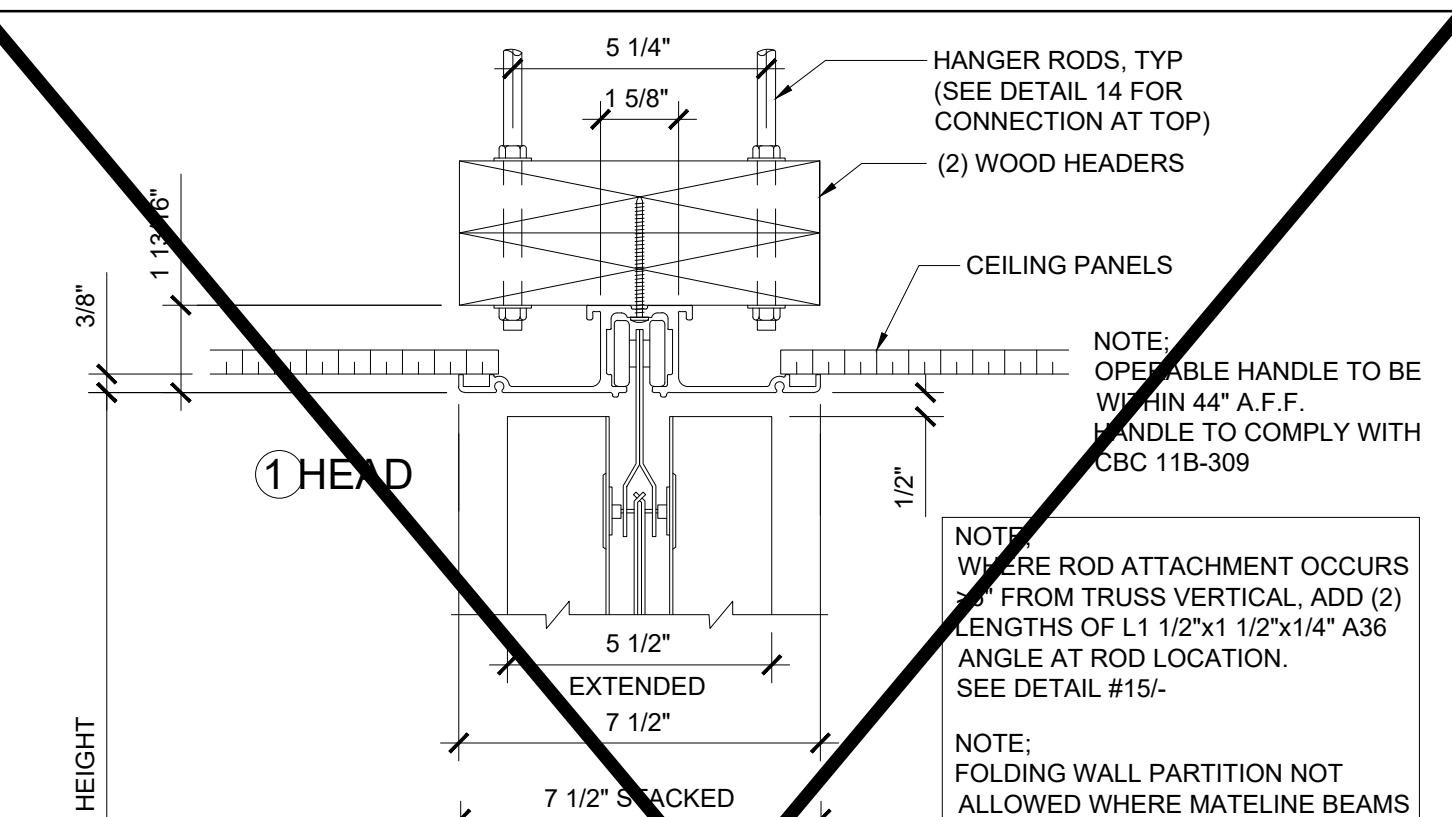
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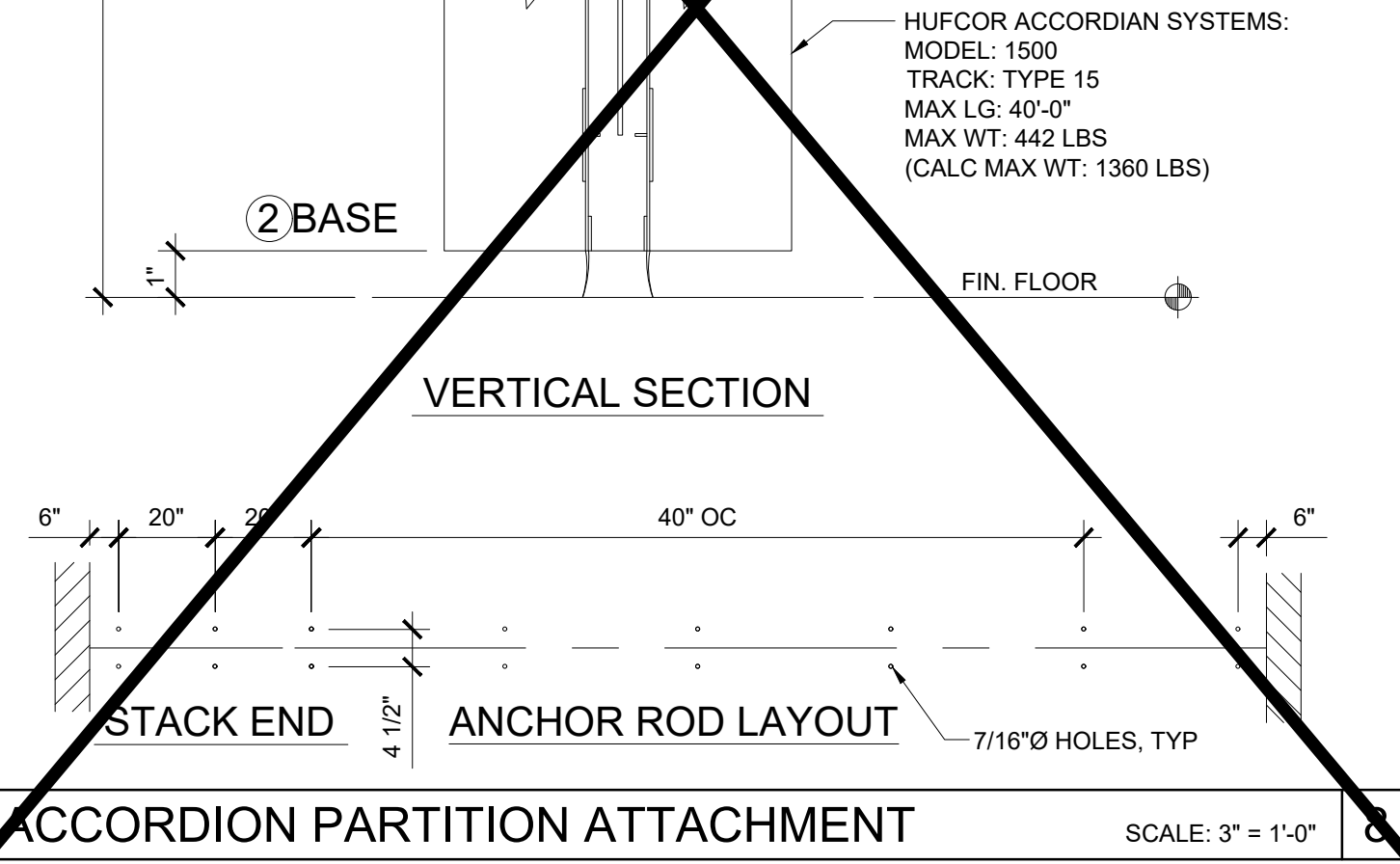
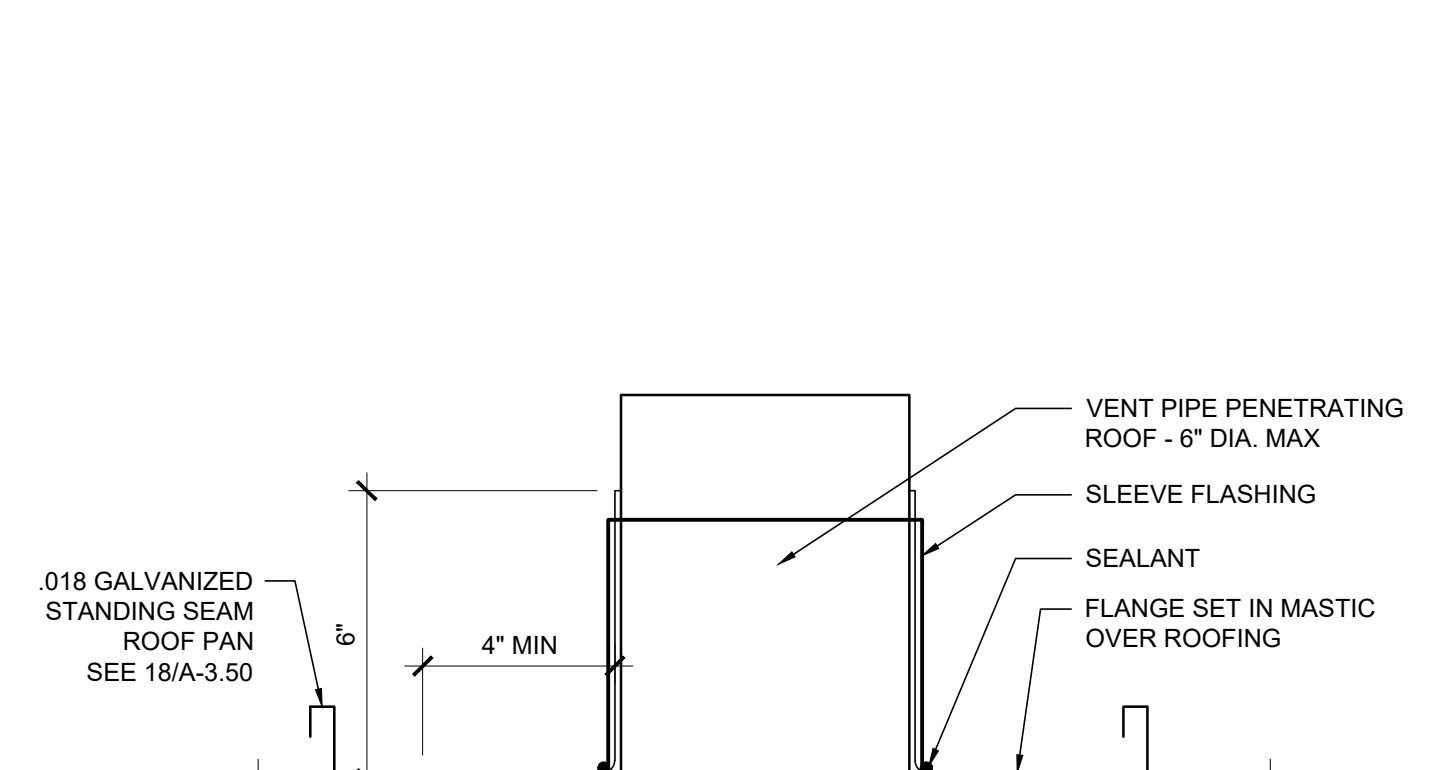
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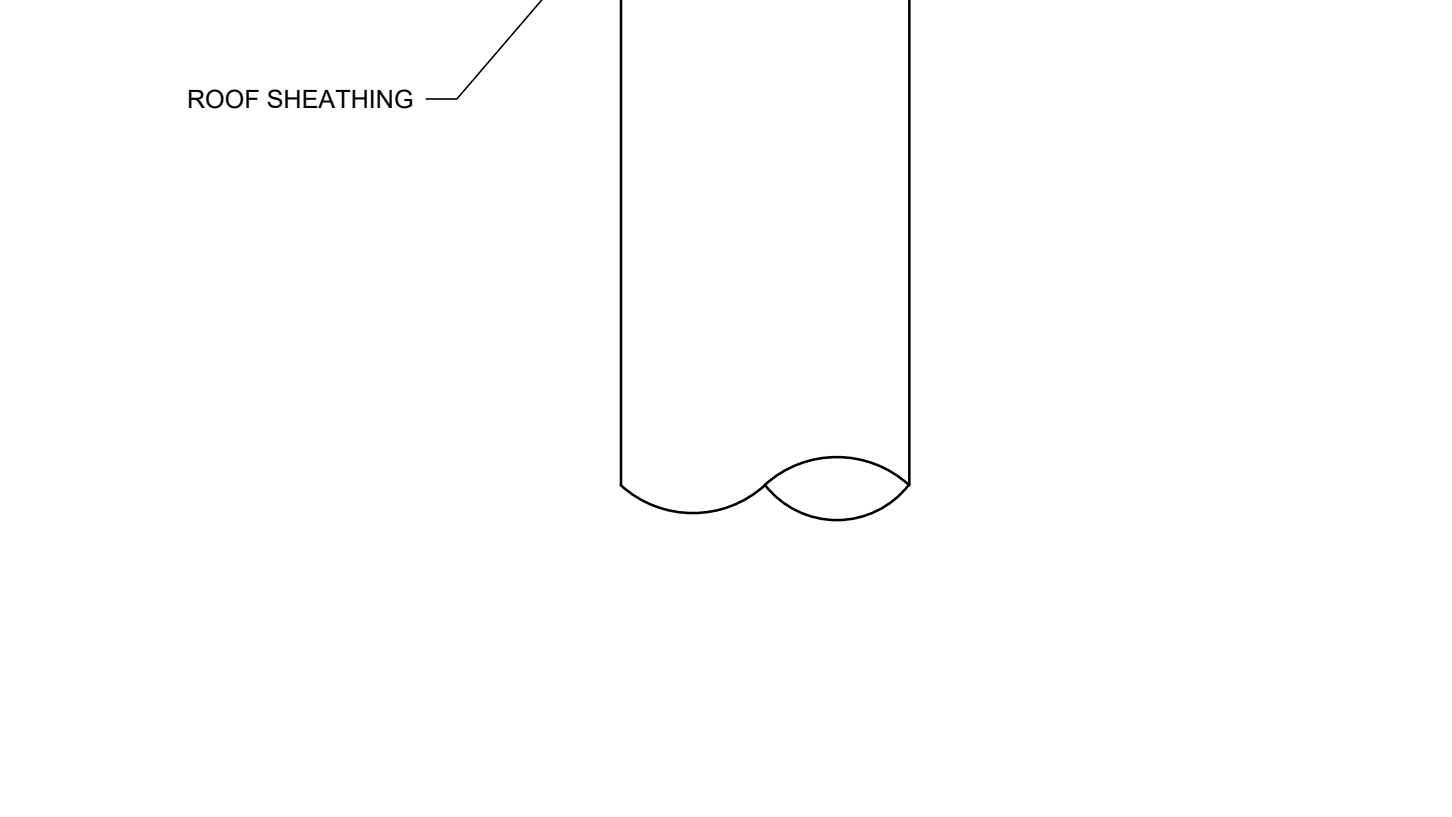
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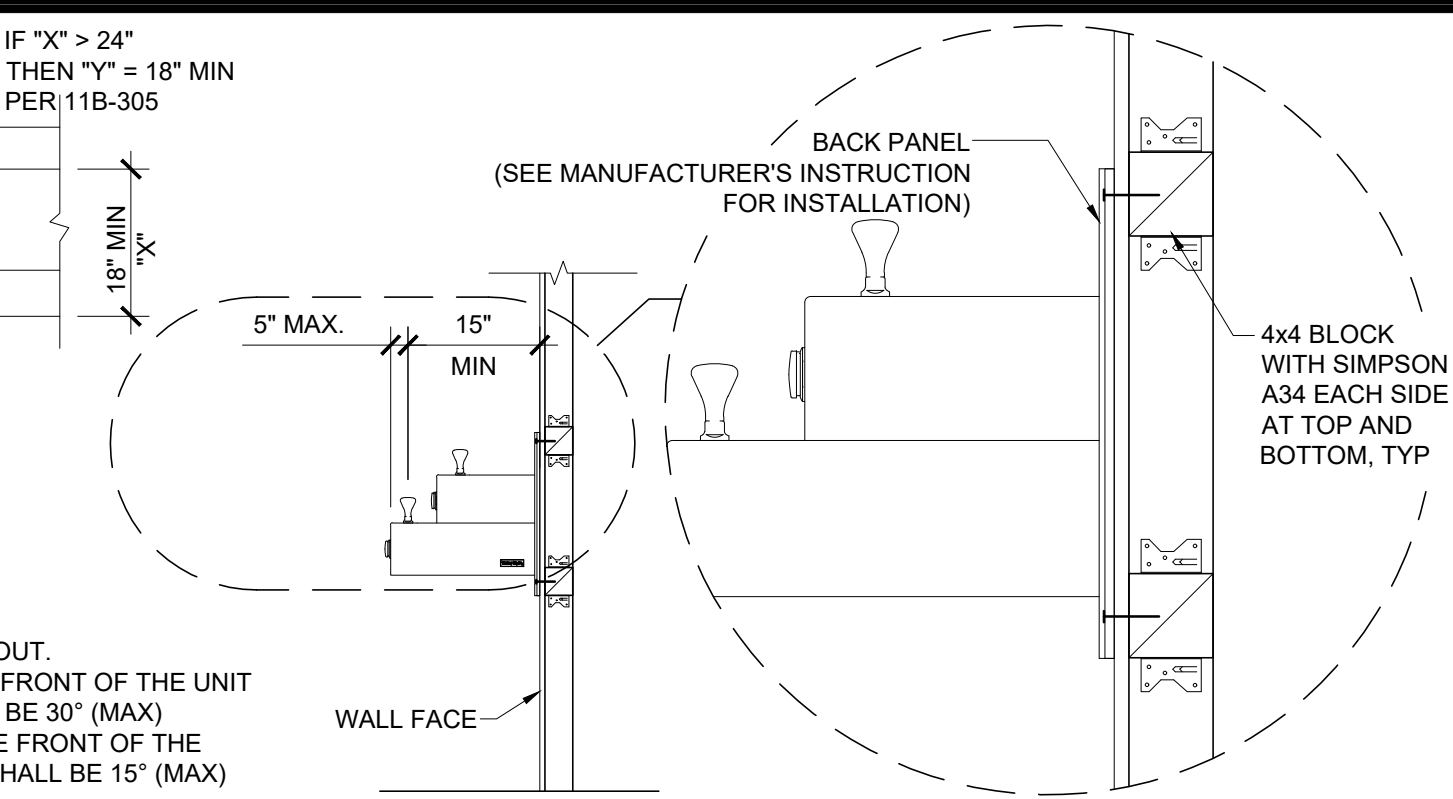
HVAC BARRIER - OPT. D.F. BARRIER



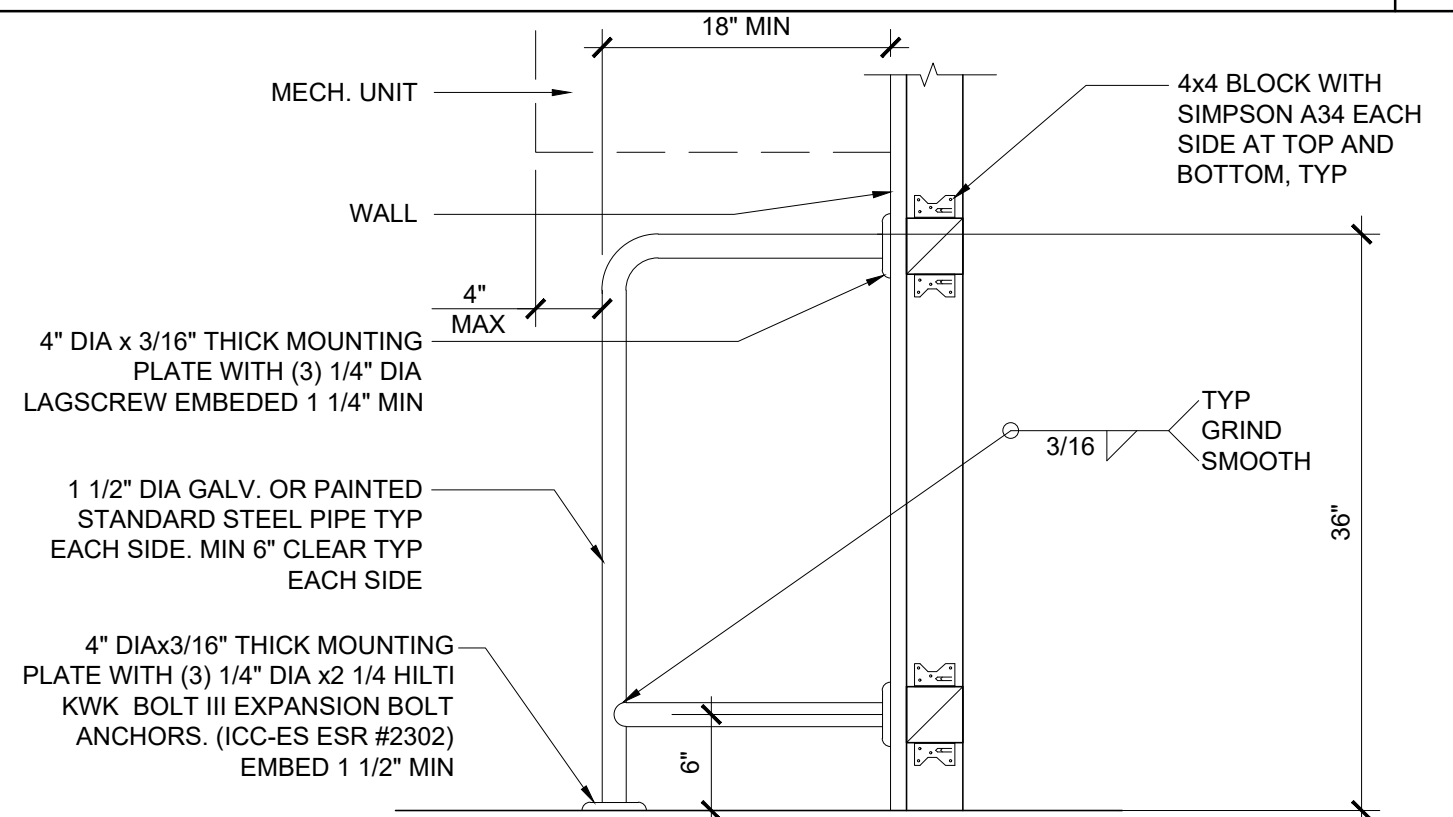
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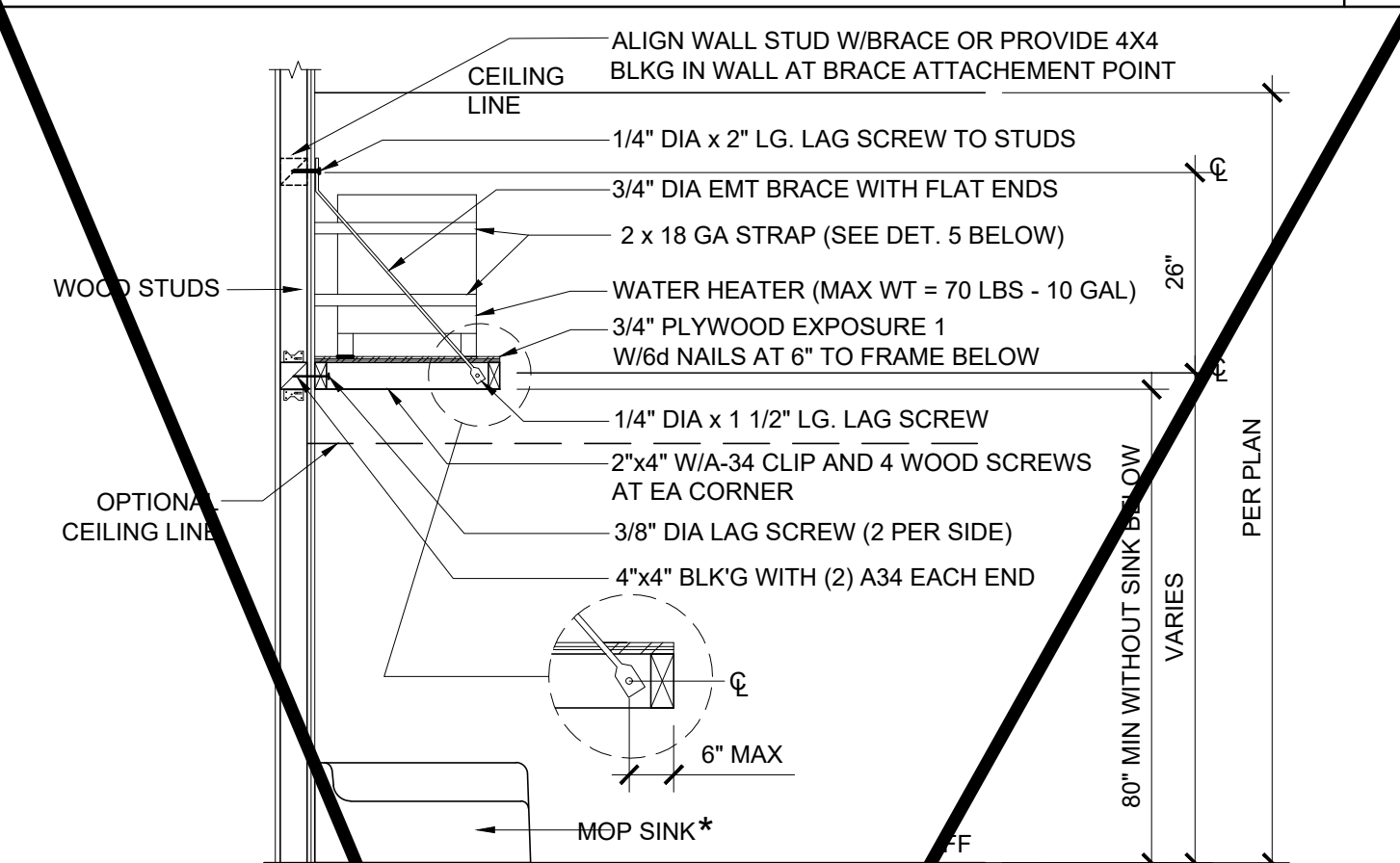
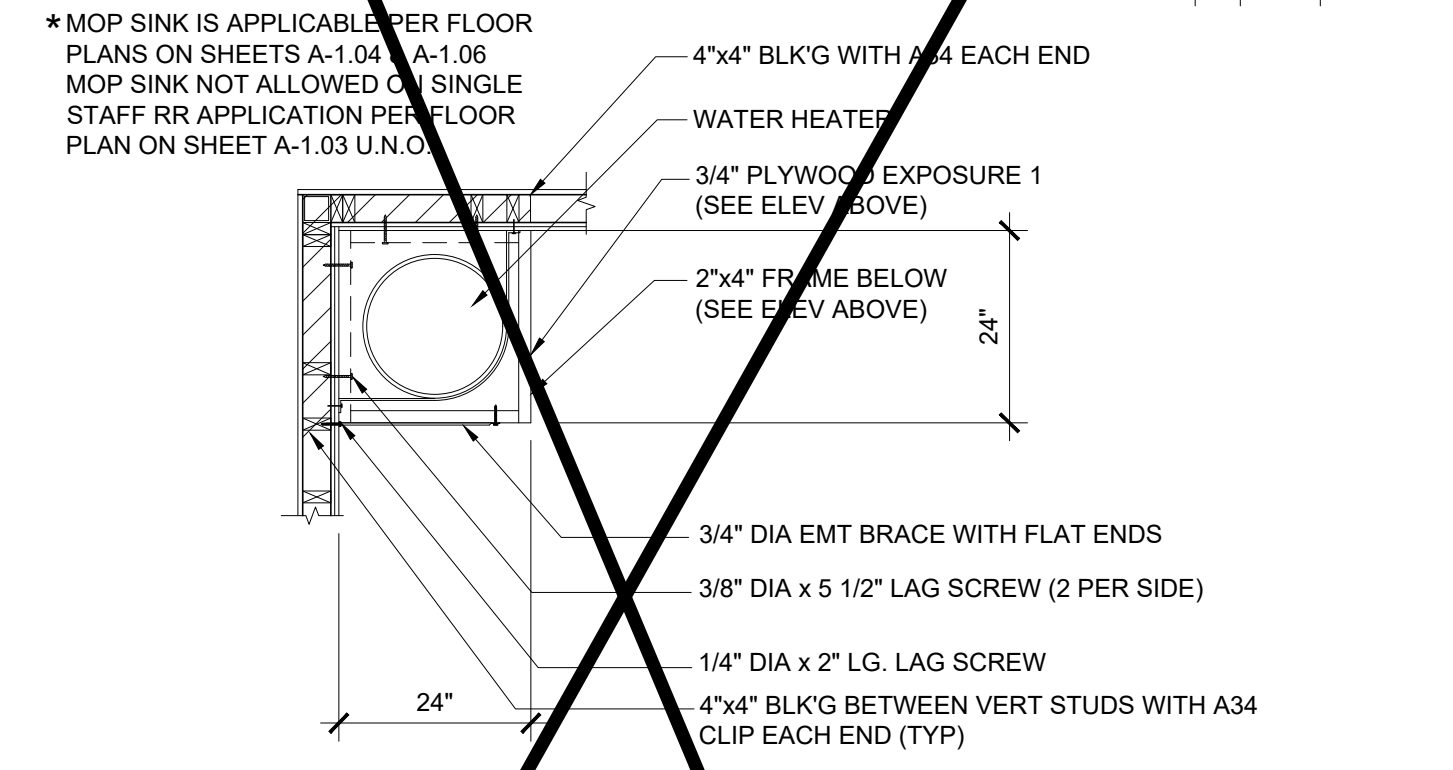
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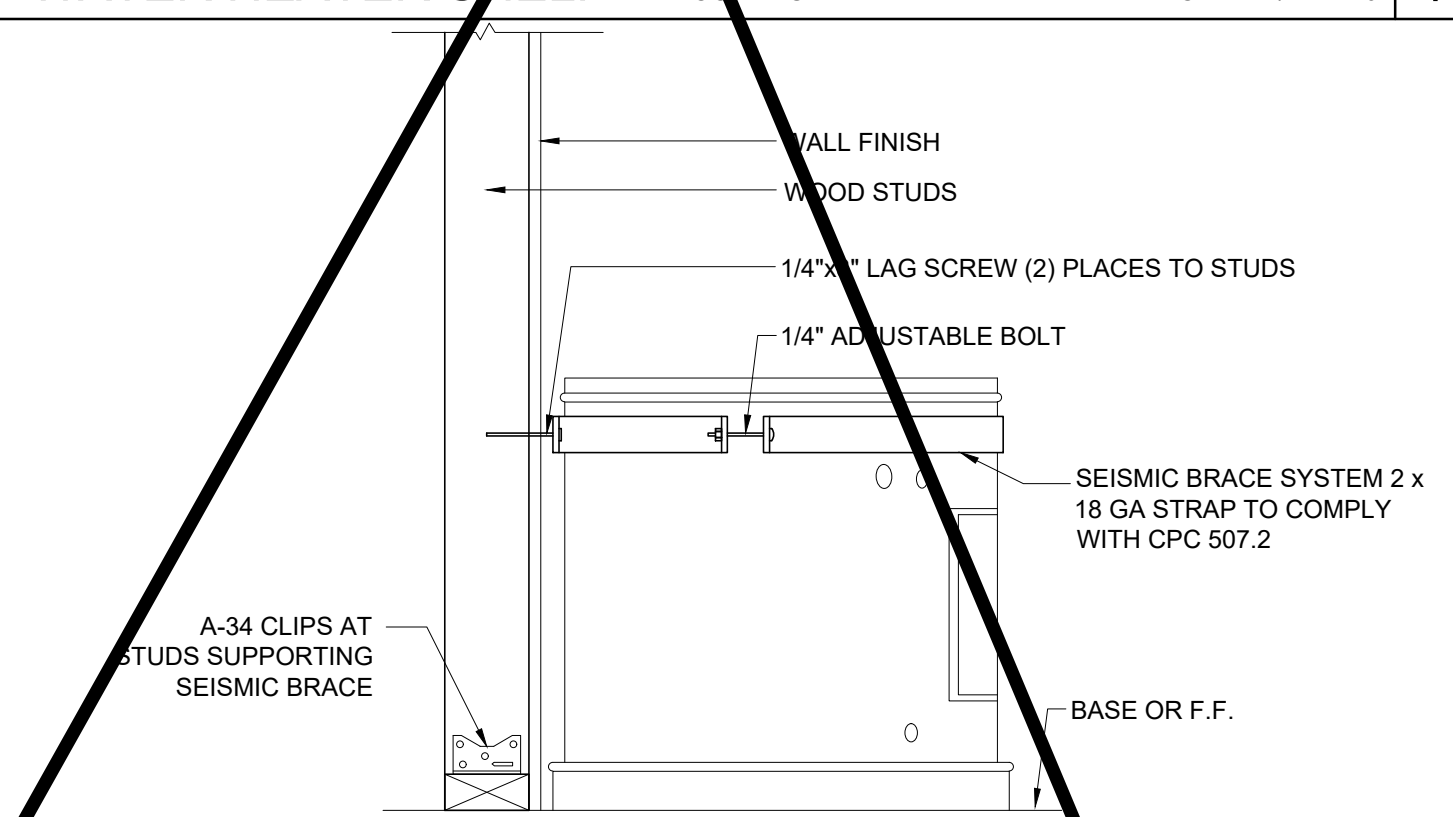
DRINKING FOUNTAIN BLOCKING DETAIL



HVAC BARRIER - OPT. D.F. BARRIER



WATER HEATER SHELF



WATER HEATER BRACING

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DATE: 02/17/2026

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PROJECT NAME:
**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

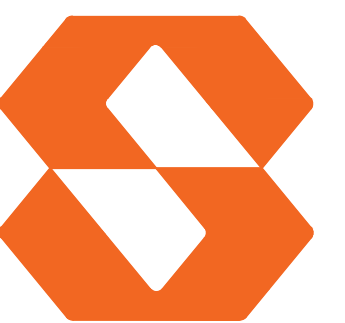
SHEET TITLE:
**ARCHITECTURAL
DETAILS
MISCELLANEOUS/OPTIONS**

REVISIONS

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PC STATE AGENCY APPROVAL


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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

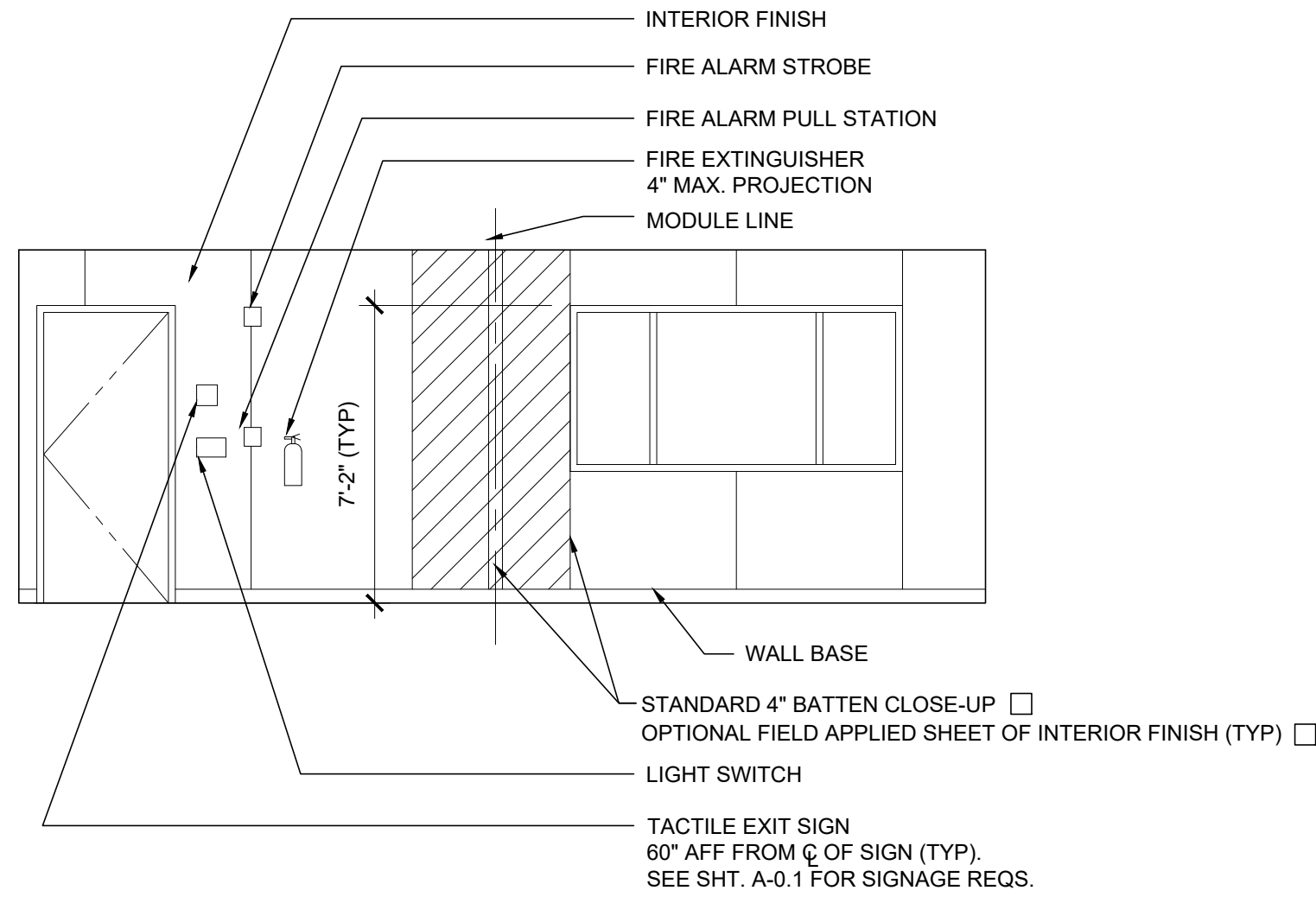
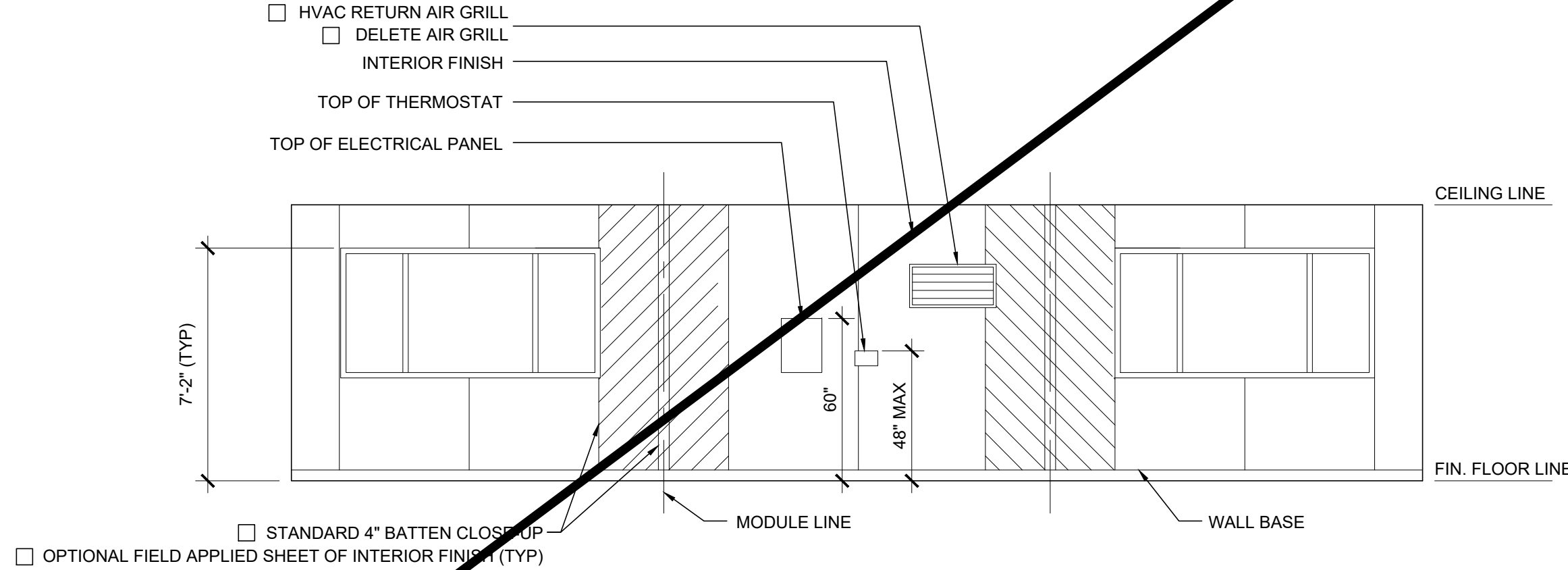
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

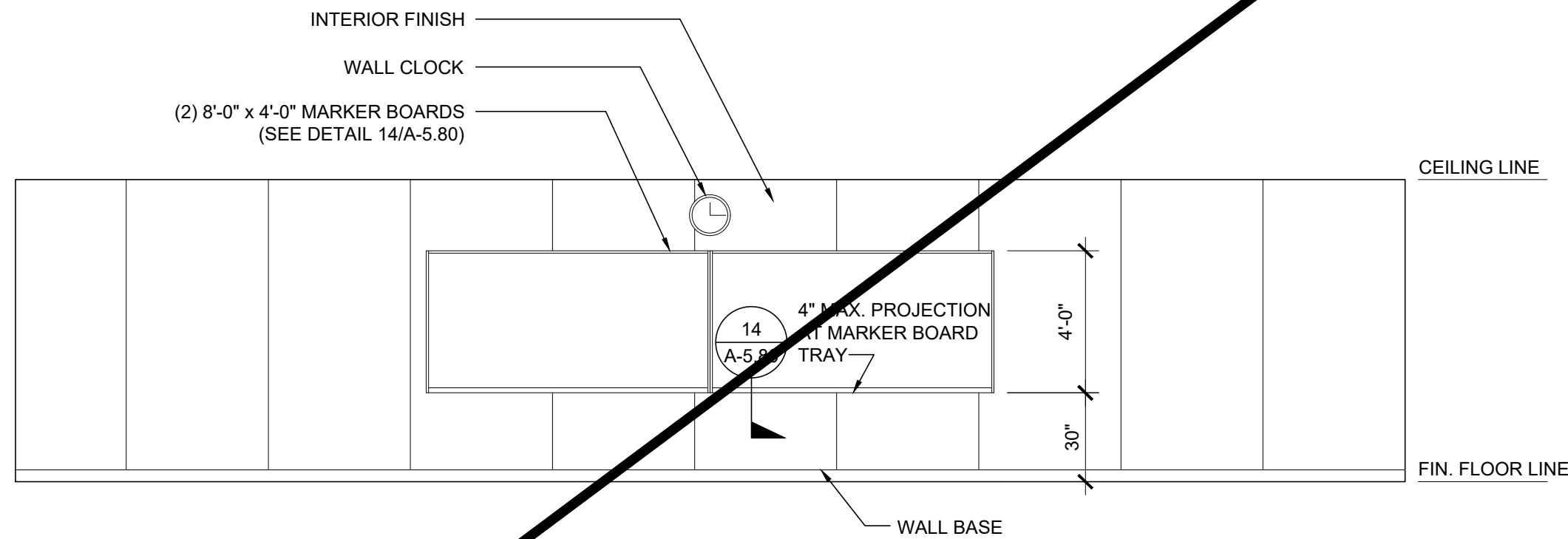
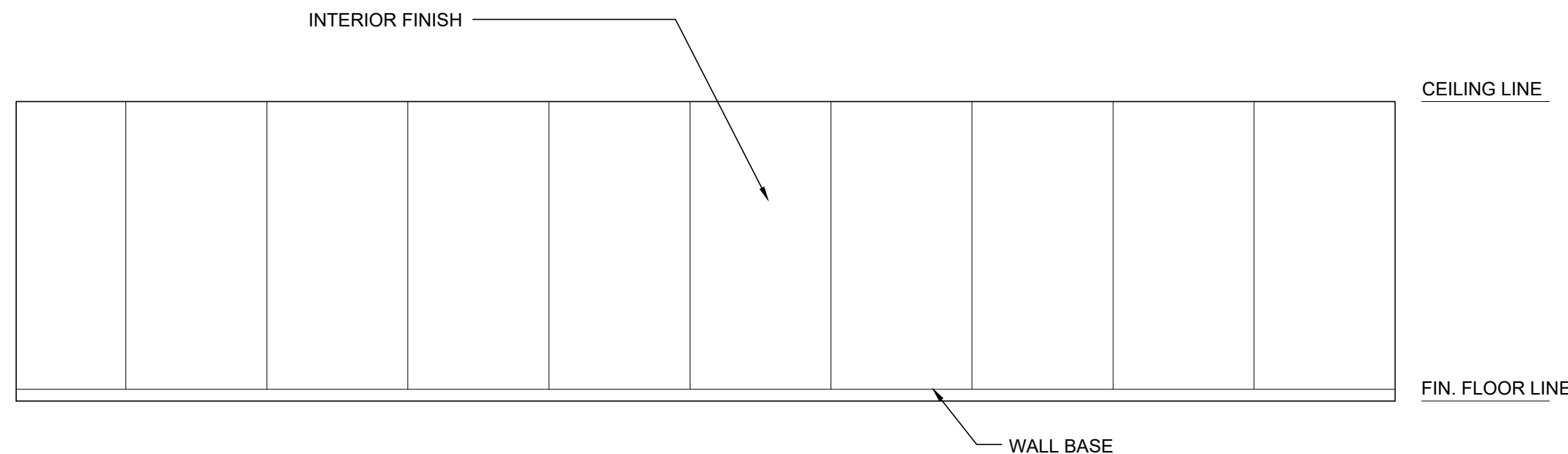
P.C. SHEET NUMBER

A-5.81



FRONT ELEVATION

REAR ELEVATION



SIDE ELEVATION

SIDE ELEVATION

SEE PROJECT SPECIFIC SHEET A-6.02N

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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

INTERIOR ELEVATION
36' x 40'

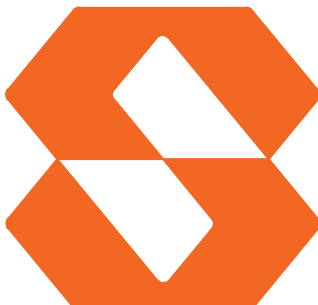
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DATE: 08/31/2023

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:

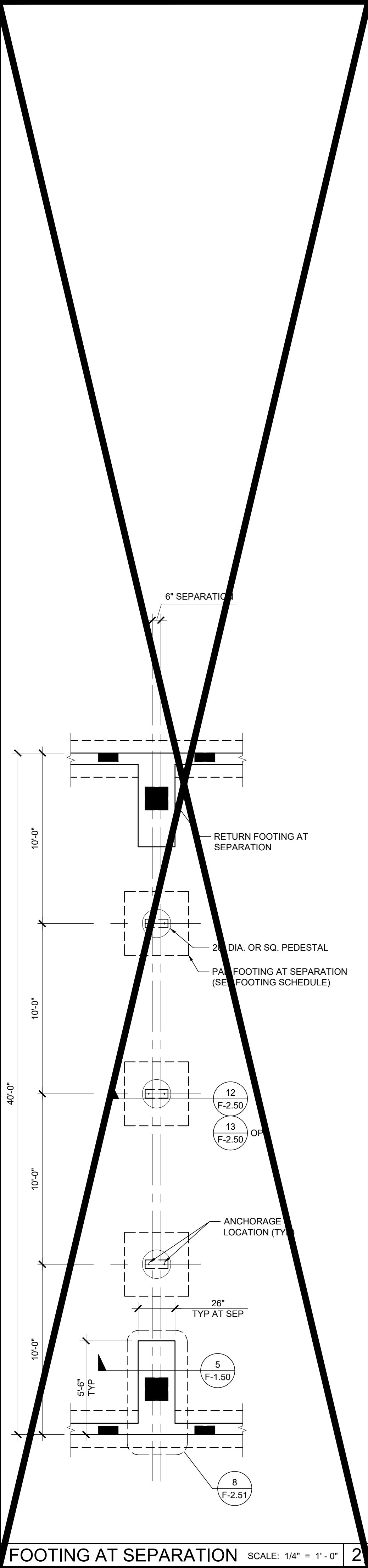
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SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

A-6.02



FOOTING AT SEPARATION SCALE: 1/4" = 1'-0" 2 FOUNDATION PLAN

- 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 OCCURS):

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.
- 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

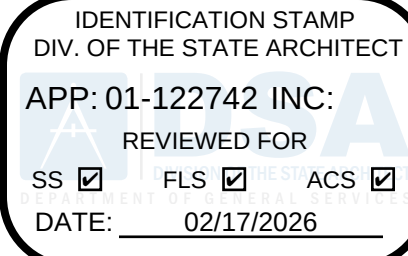
VENT "A": (8'-0" x 8" METAL SCREEN COVER)
7'-10" x 5" = 3.26 S.F. VENTILATION
VENT "B": (6'-0" x 8" METAL SCREEN COVER)
5'-10" x 5" = 2.43 S.F. VENTILATION
VENT "C": (4'-0" x 8" METAL SCREEN COVER)
3'-10" x 5" = 1.59 S.F. VENTILATION
ACCESS/VENT "D": (3'-0" x 2'-0" METAL SCREEN COVER)
2'-10" x 18" = 4.25 S.F. VENTILATION

VENTING CALCULATION:

☐ 24' x 40' BUILDING: 24' x 40' = 960 SF / 150 = 6.4 SF VENT. REQ'D D C 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)	☒ 36' x 40' BUILDING: 36' x 40' = 1440 SF / 150 = 9.6 SF VENT. REQ'D D B 35'-5 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)
☐ 48' x 40' BUILDING: 48' x 40' = 1920 SF / 150 = 12.8 SF VENT. REQ'D D C 47'-8 3/4" 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 D B 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)
☐ 72' x 40' BUILDING: 72' x 40' = 2880 SF / 150 = 19.2 SF VENT. REQ'D D A 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)	☐ 84' x 40' BUILDING: 84' x 40' = 3360 SF / 150 = 22.4 SF VENT. REQ'D D A 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)
☐ 96' x 40' BUILDING: 96' x 40' = 3840 SF / 150 = 25.6 SF VENT. REQ'D D A 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)	☐ 108' x 40' BUILDING: 108' x 40' = 4320 SF / 150 = 28.8 SF VENT. REQ'D D A 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)
☐ 120' x 40' BUILDING: 120' x 40' = 4800 SF / 150 = 32 SF VENT. REQ'D D A 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
☐ 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



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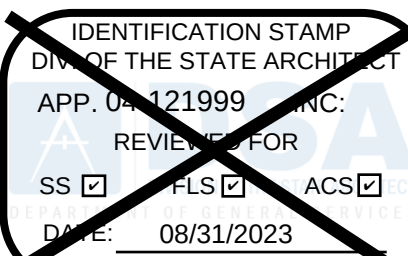
SHEET TITLE:

CONCRETE
FOUNDATION PLAN
BELOW GRADE
CONCRETE FLOOR

REVISIONS

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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-2.11

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122742 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 02/17/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

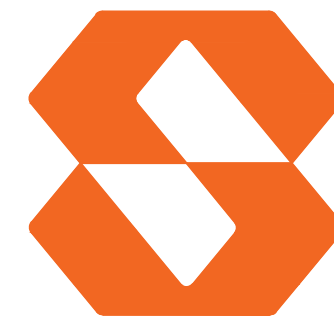
CONCRETE
FOUNDATION DETAILS
BELOW GRADE

REVISIONS

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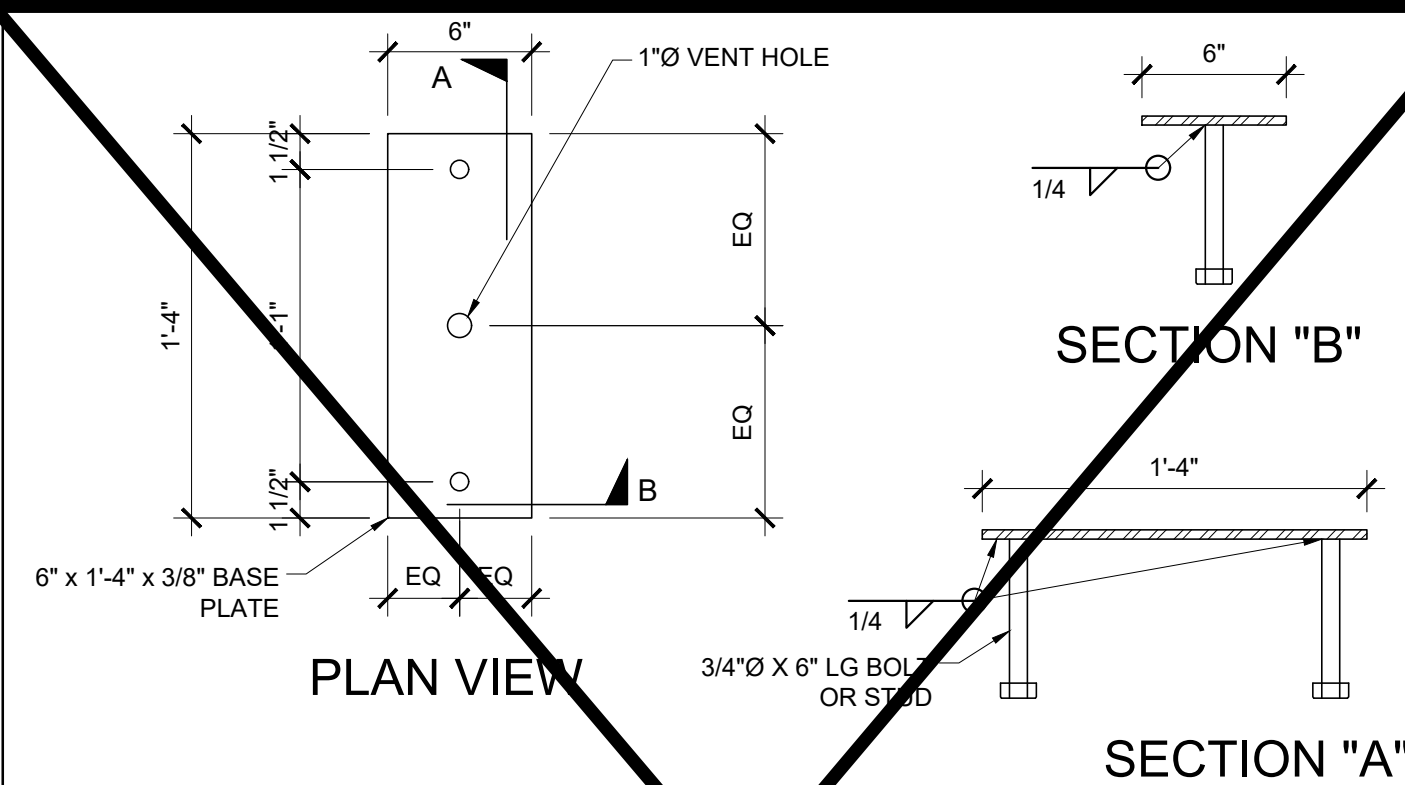
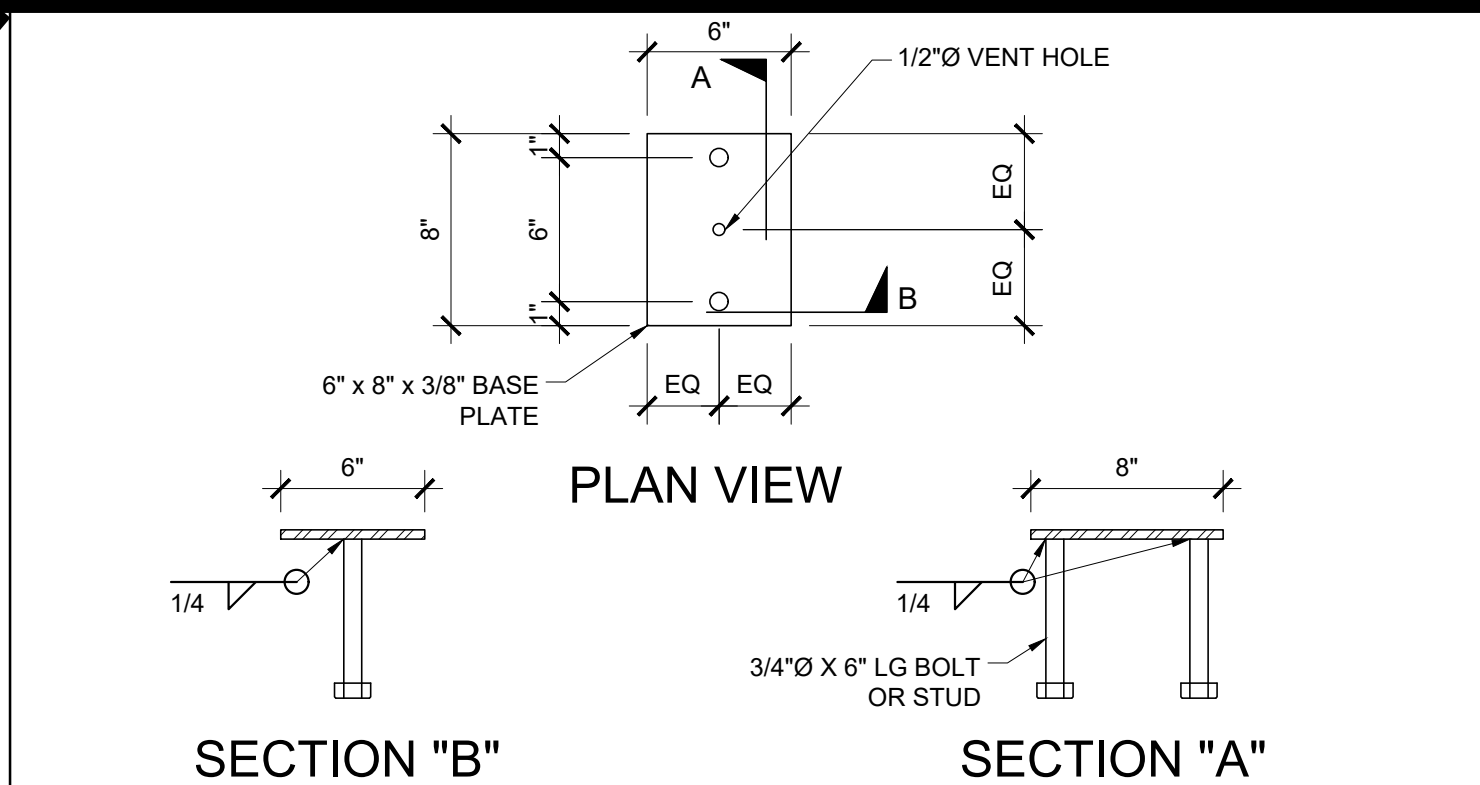
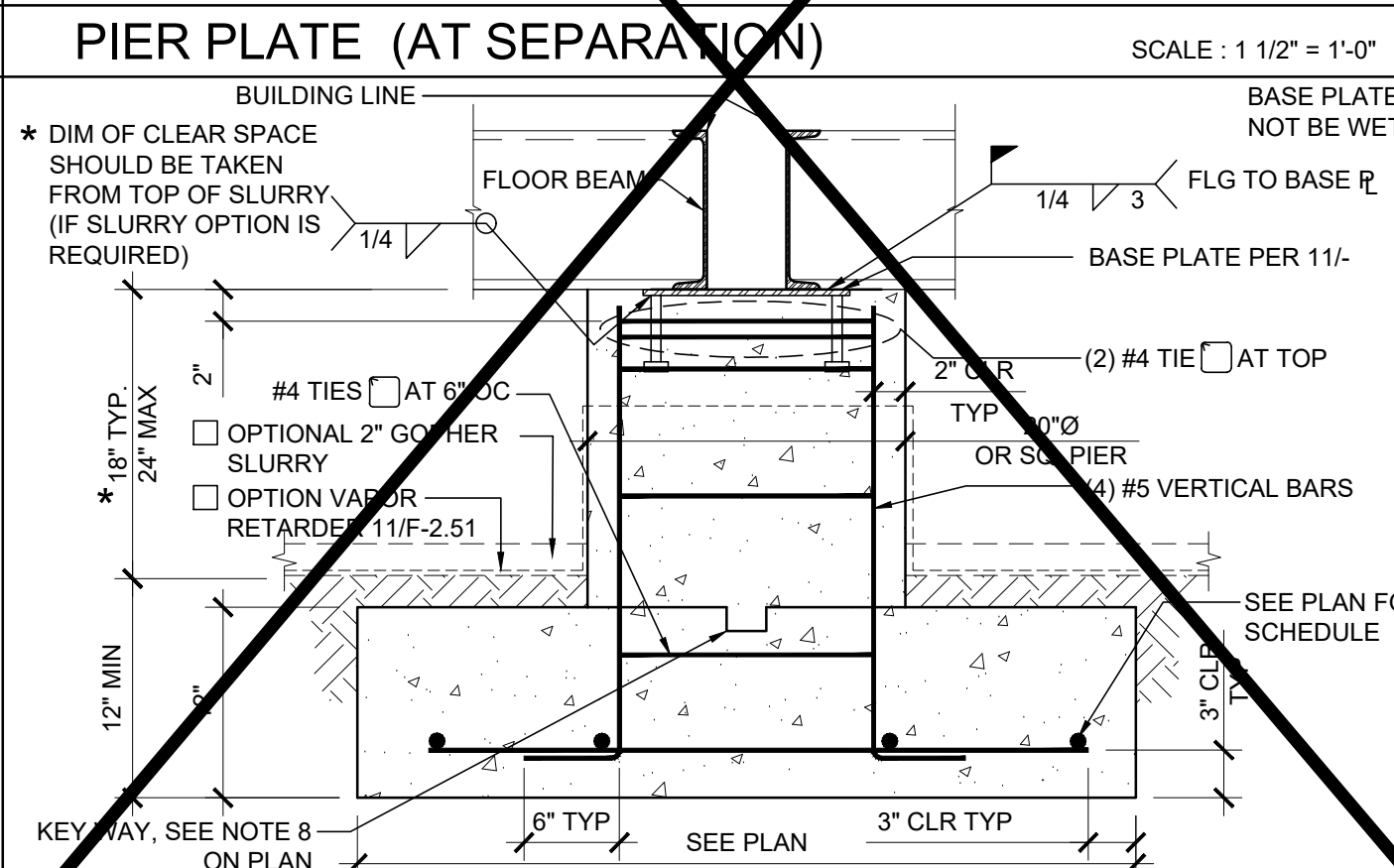
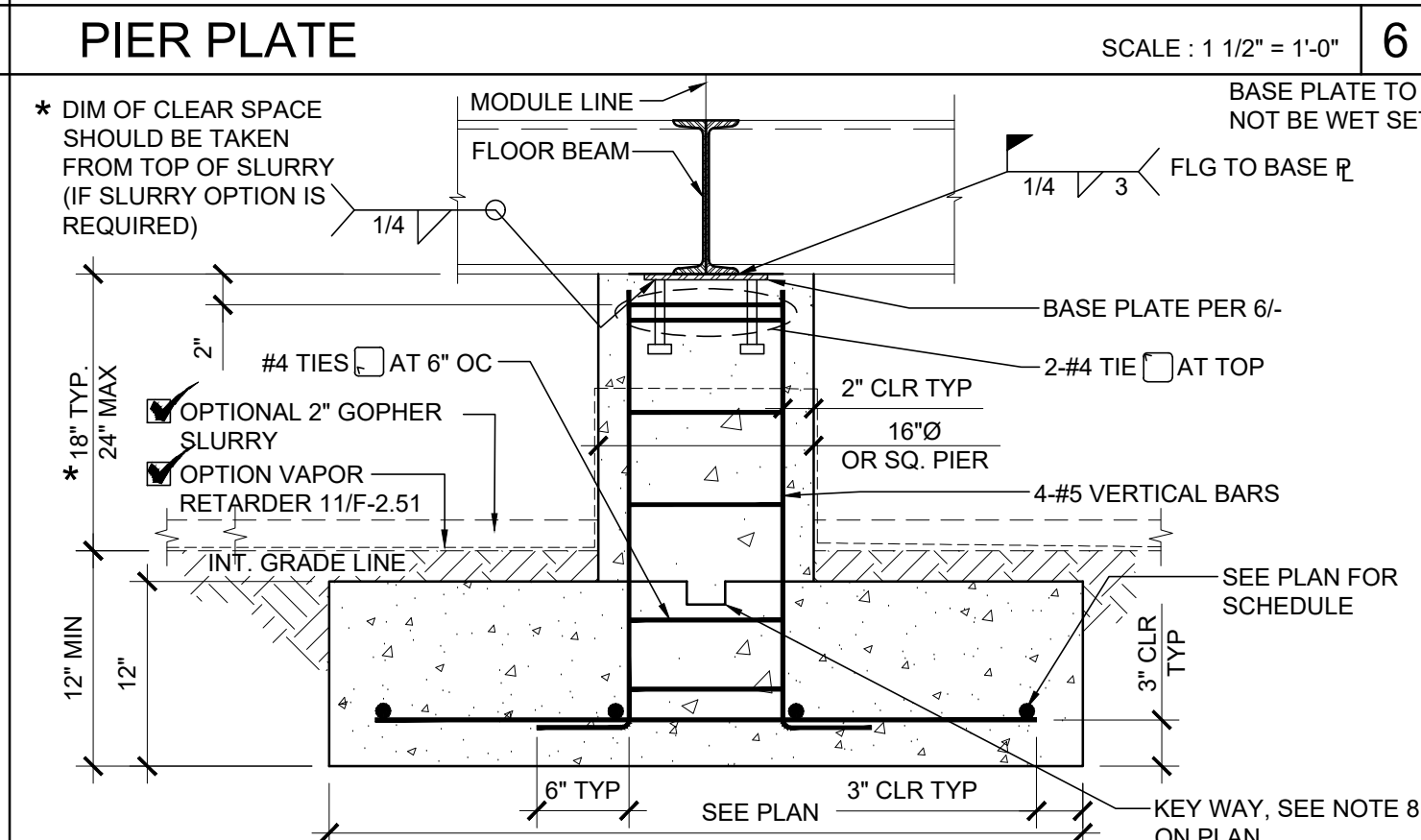
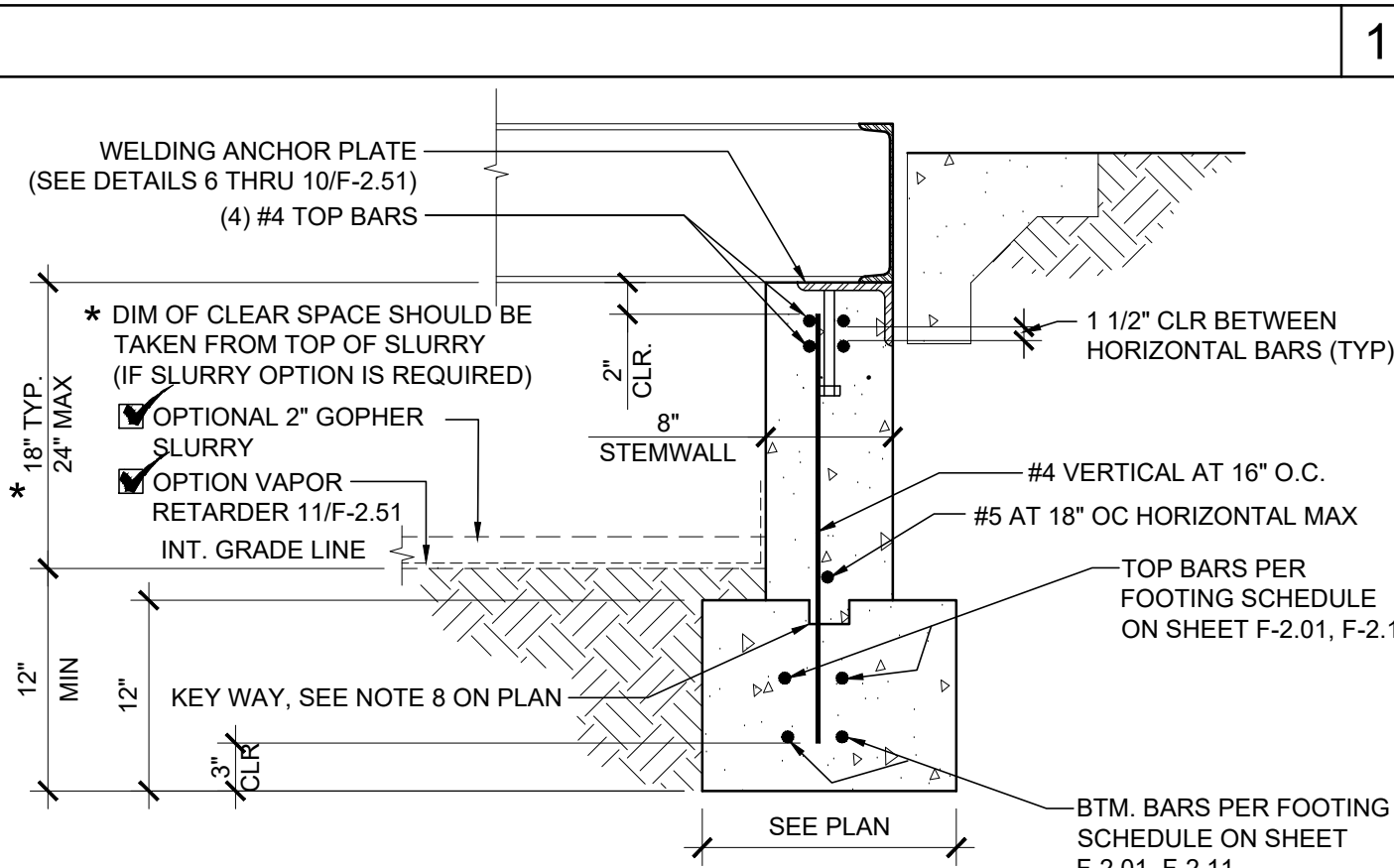
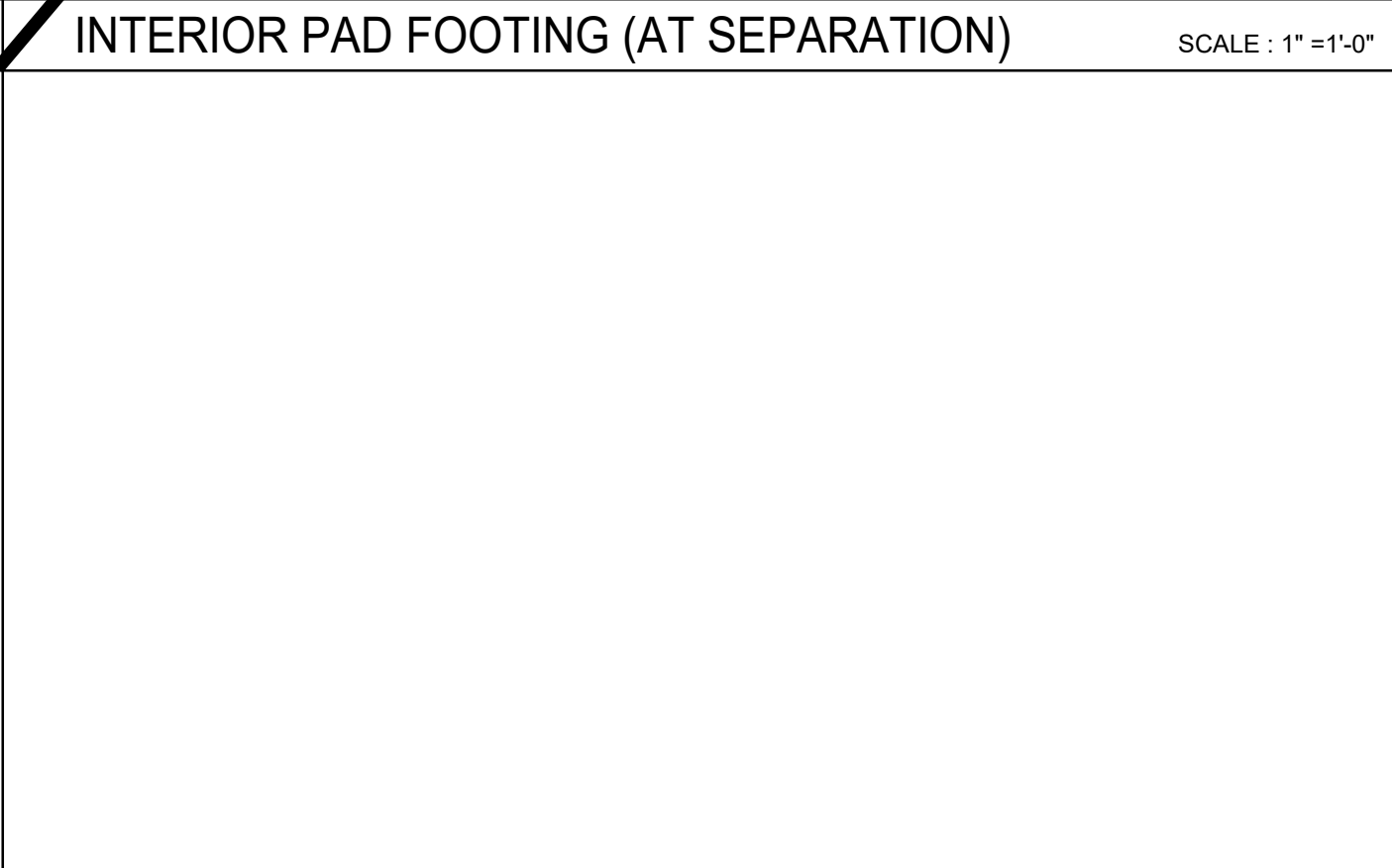
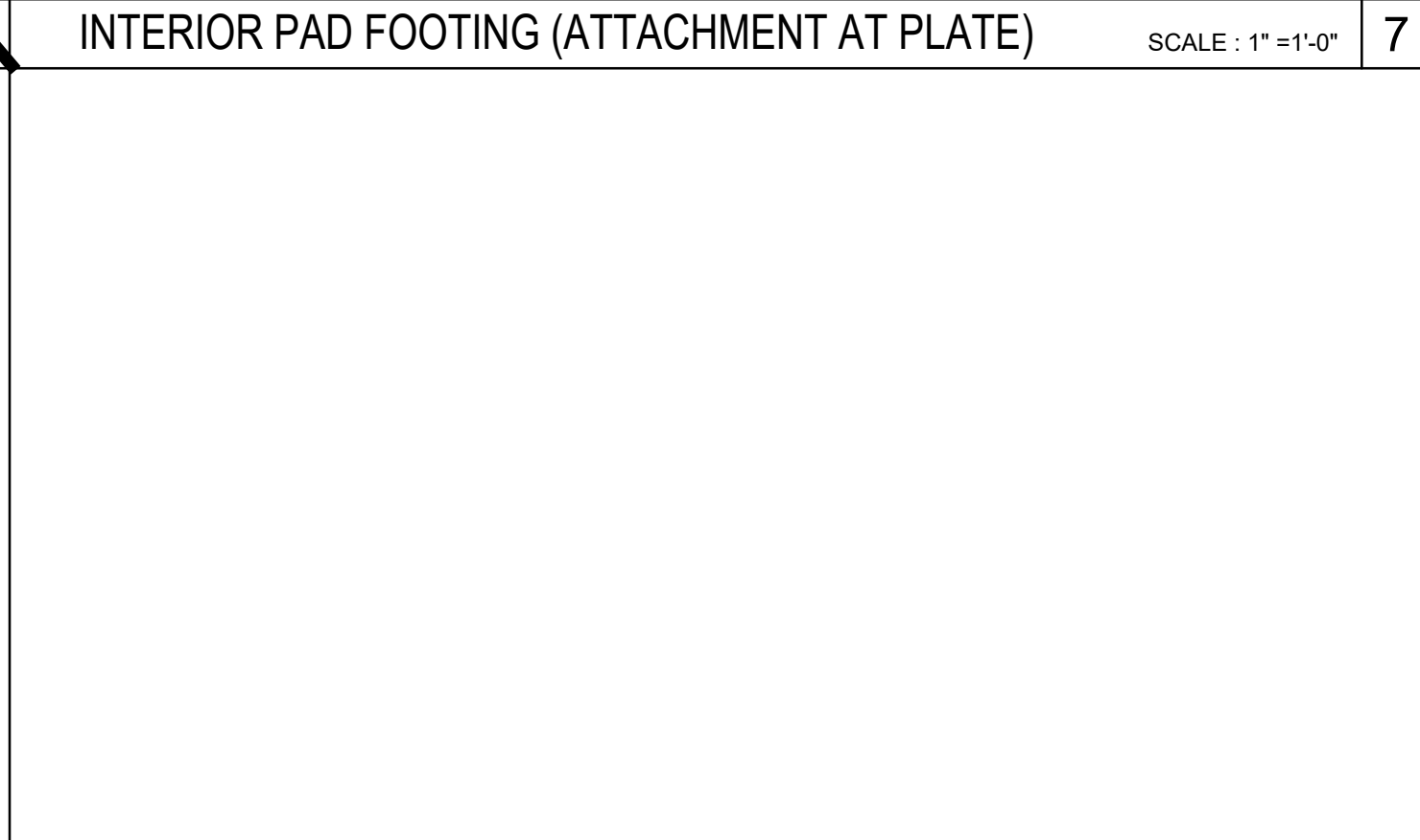
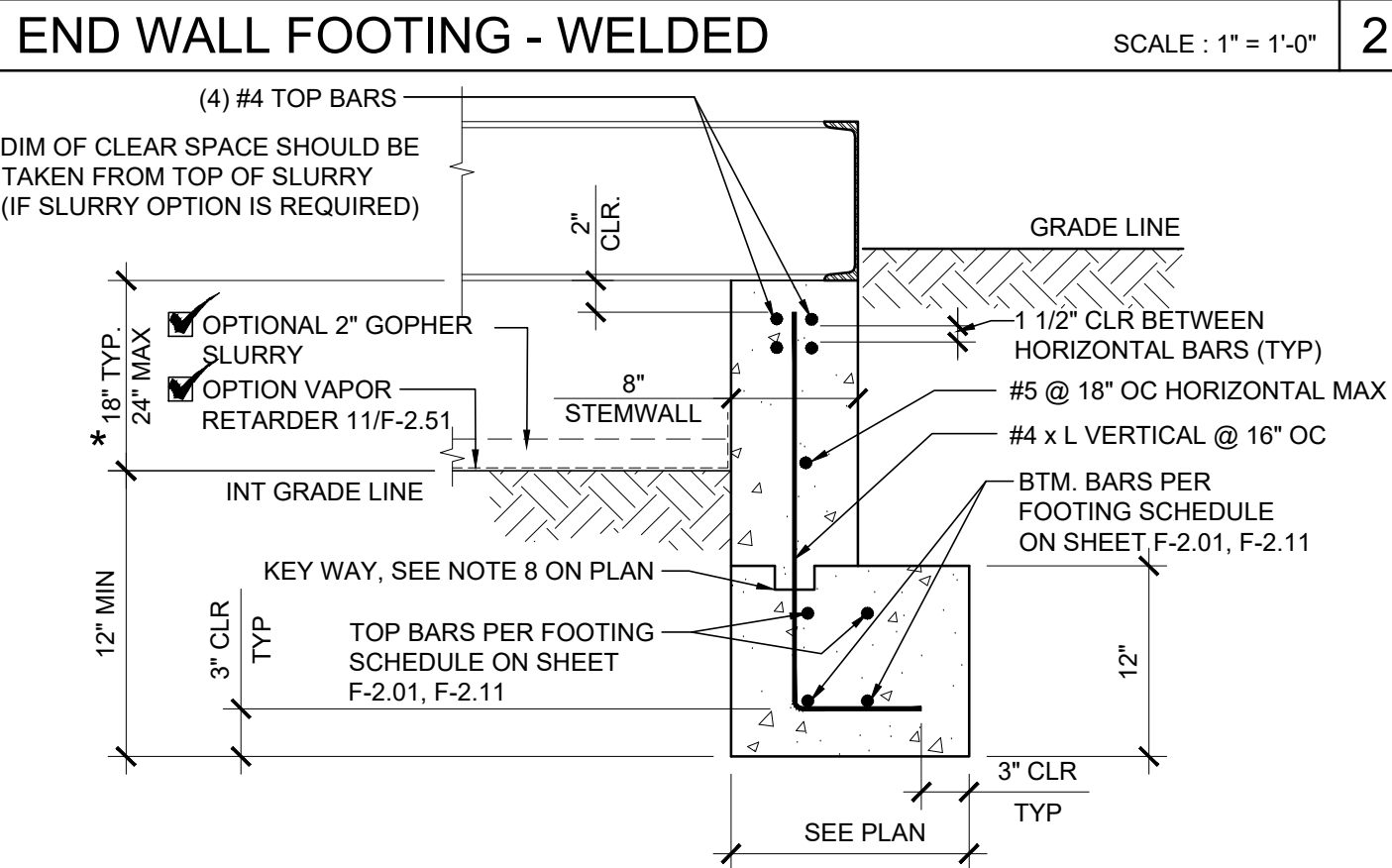
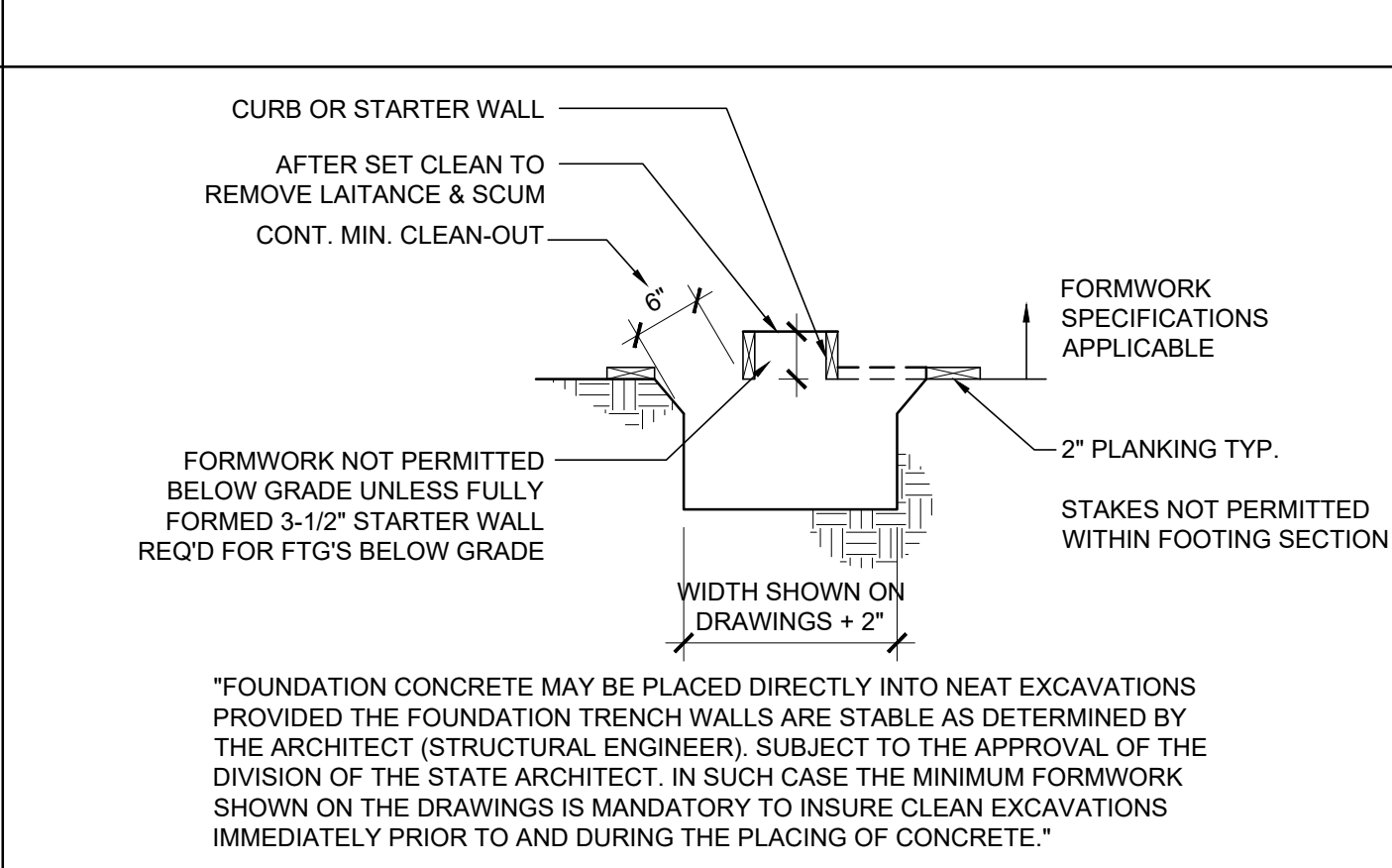
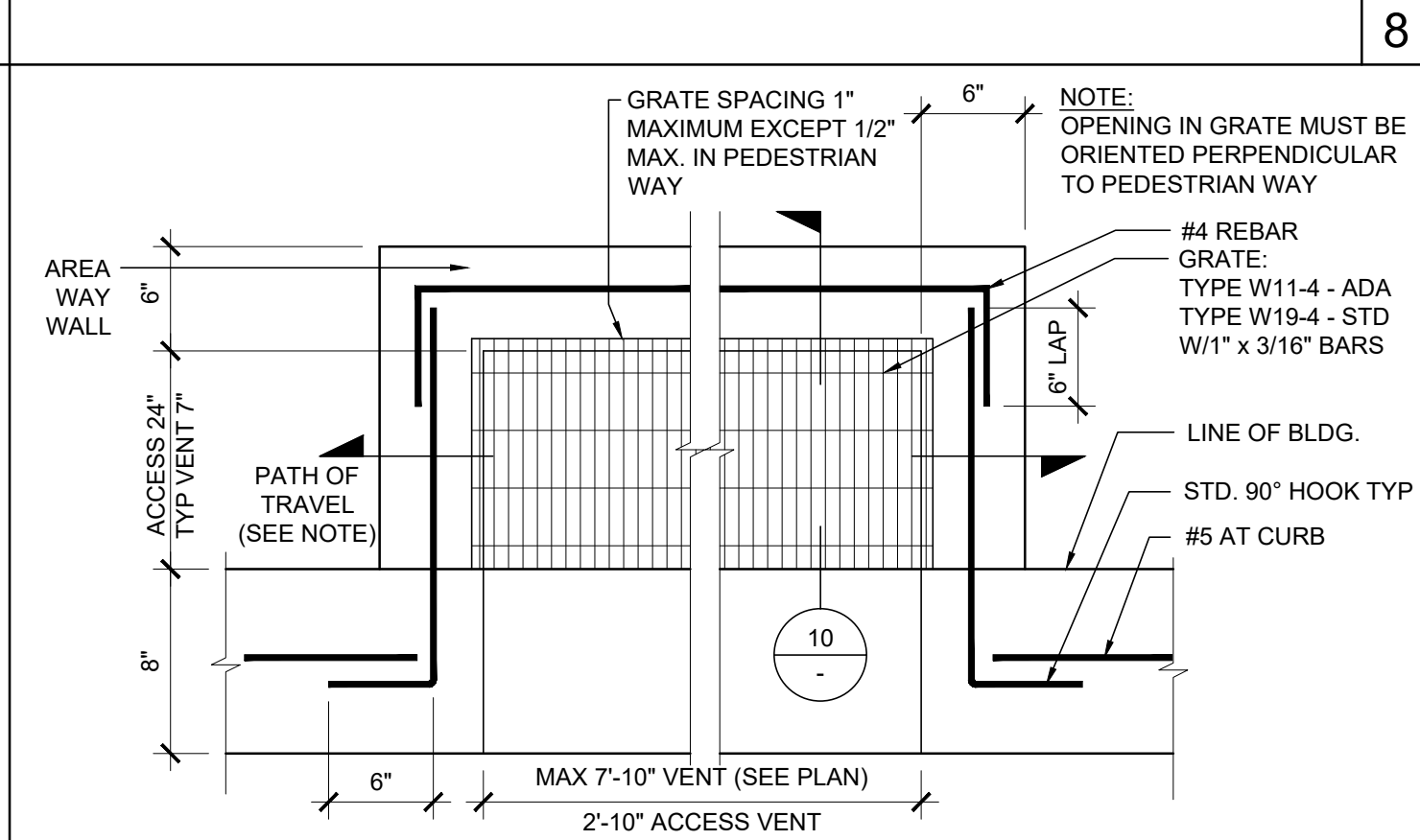
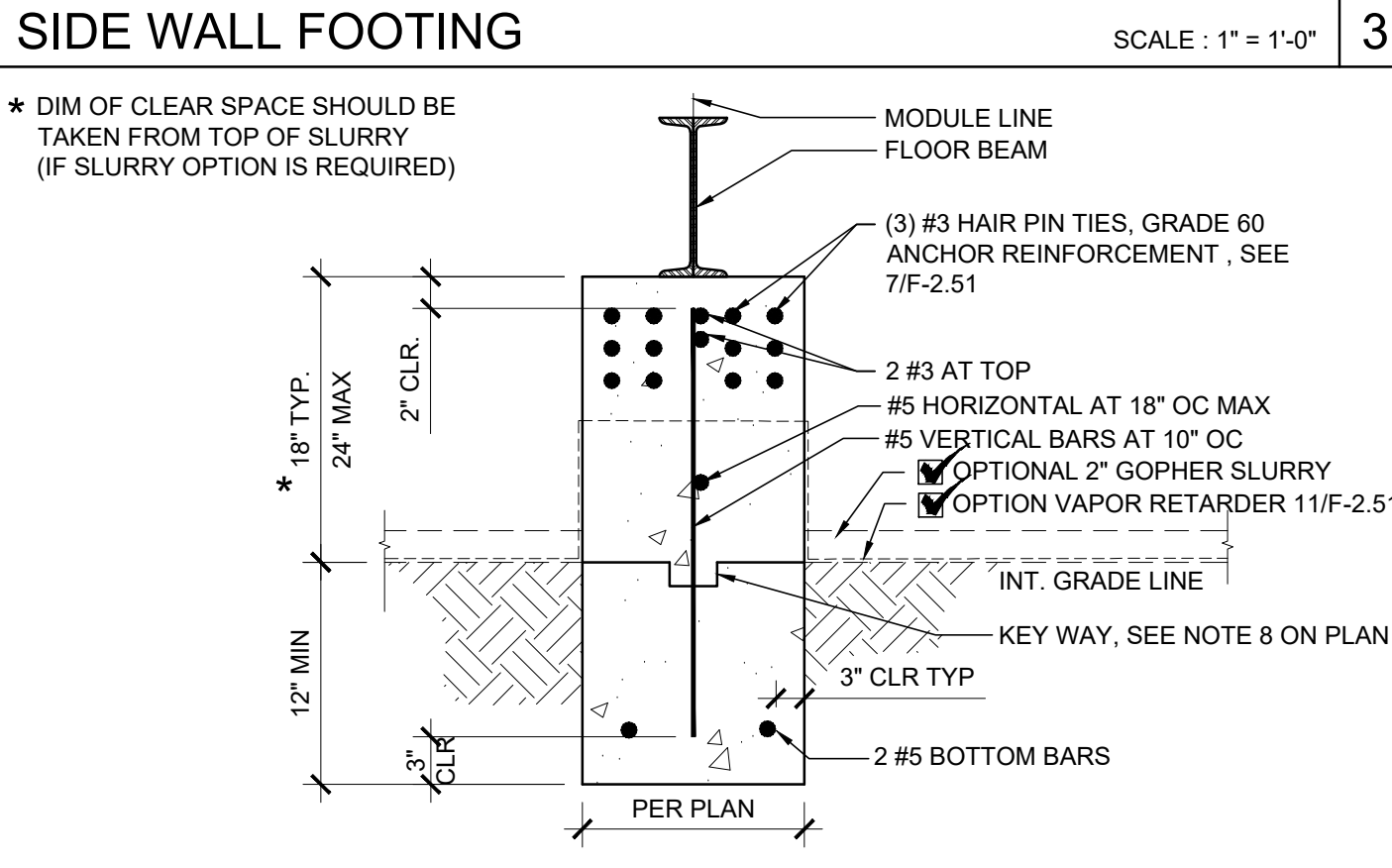
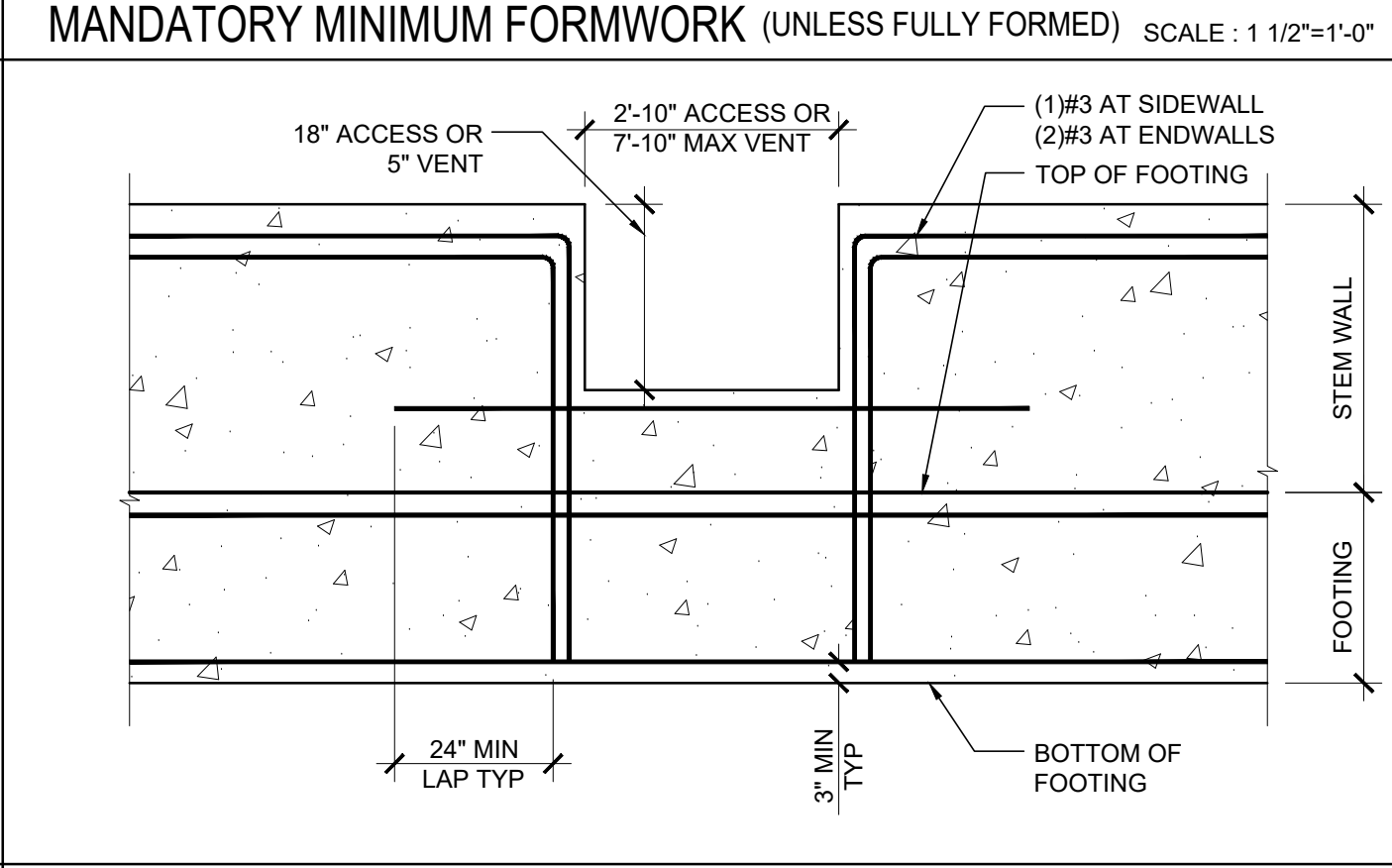
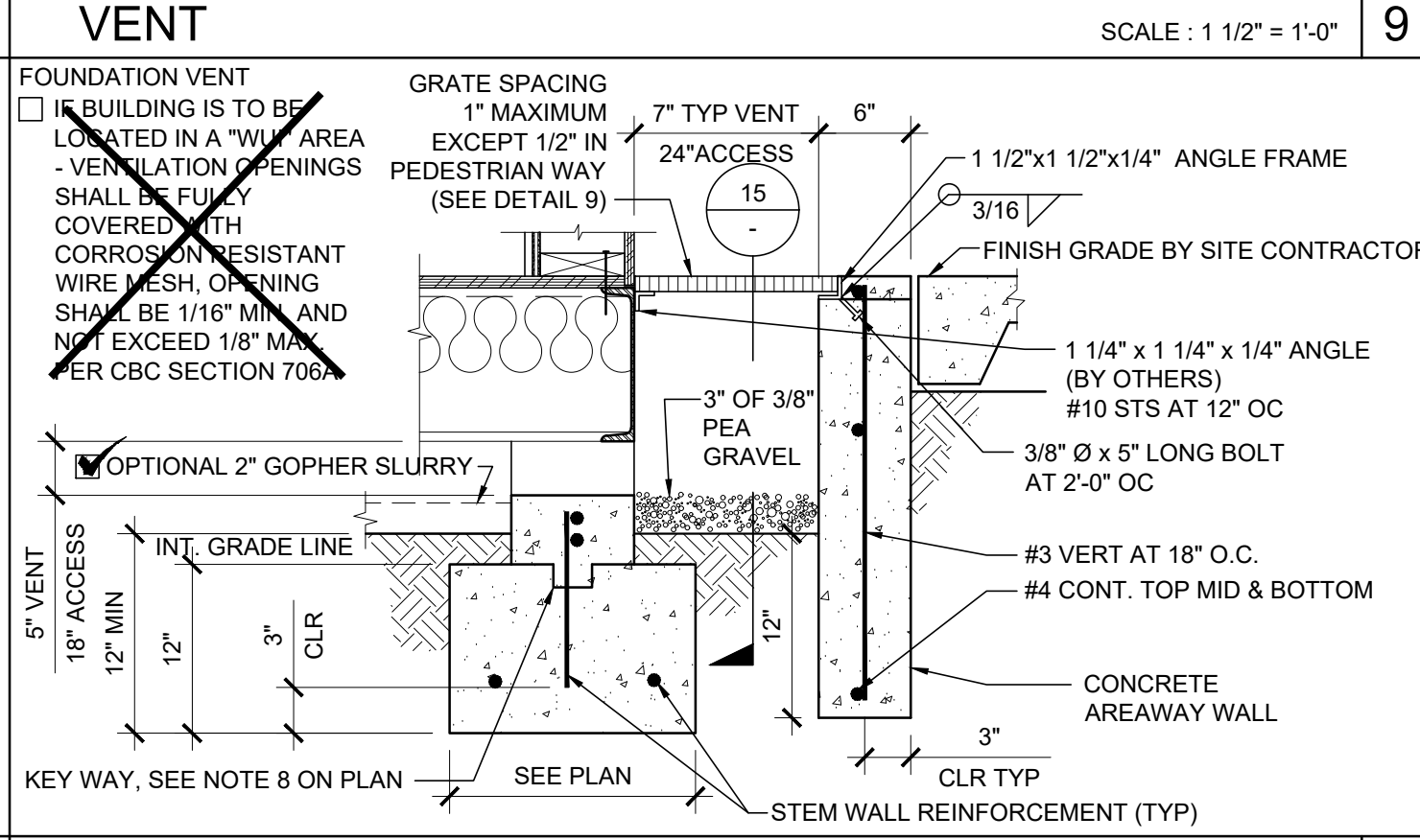
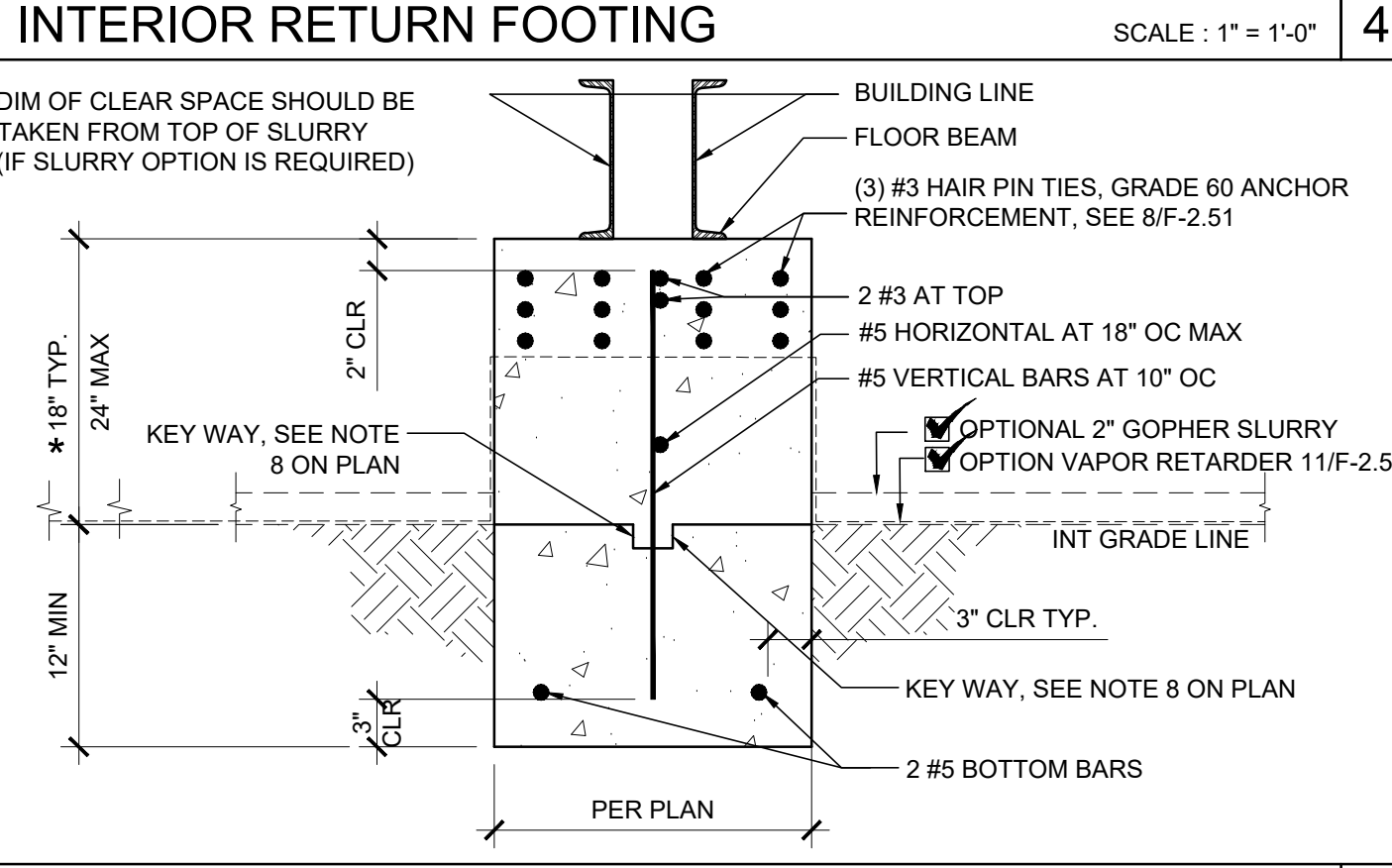
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F-2.50



VENT OPENING

VENT/ACCESS SECTION

INTERIOR RETURN FOOTING AT SEPARATION

PIER PLATE (AT SEPARATION)

PIER PLATE

END WALL FOOTING - WELDED

INTERIOR PAD FOOTING (AT SEPARATION)

INTERIOR PAD FOOTING (ATTACHMENT AT PLATE)

END WALL FOOTING - WELDED

MANDATORY MINIMUM FORMWORK (UNLESS FULLY FORMED)

VENT

SIDE WALL FOOTING

MANDATORY MINIMUM FORMWORK (UNLESS FULLY FORMED)

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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
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

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MONTE VERDE E.S.
TK-CLASSROOM**

SHEET TITLE:
**FOUNDATION
DETAILS
CONCRETE**

REVISIONS

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STRUCTURAL SPECIFICATIONS

FOUNDATIONS:

GEOTECHNICAL INVESTIGATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH SECTIONS 1803A.3 THROUGH 1803A.8. EXCEPTIONS, 1) GEOTECHNICAL REPORTS ARE NOT REQUIRED FOR ONE-STORY, WOOD-FRAME AND LIGHT-STEEL-FRAME BUILDINGS OF TYPE I OR TYPE V CONSTRUCTION AND 4,000 SQUARE FEET OR LESS IN FLOOR AREA, NOT LOCATED WITHIN EARTHQUAKE FAULT ZONES OR SEISMIC HAZARD ZONES AS SHOWN IN THE MOST RECENTLY PUBLISHED MAPS FROM THE CALIFORNIA GEOLOGICAL SURVEY (CGS) OR IN SEISMIC HAZARD ZONES AS DEFINED IN THE SAFETY ELEMENT OF THE LOCAL GENERAL PLAN, 2) A PREVIOUS REPORT FOR A SPECIFIC SITE MAY BE RESUBMITTED, PROVIDED THAT A REEVALUATION IS MADE AND THE REPORT IS FOUND TO BE CURRENTLY APPROPRIATE. ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TABLE 1806A.2 PER CBC SECTION 180A.2

CONCRETE

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

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

THE DESIGN OF CONCRETE FOUNDATIONS WILL BE AS FOLLOWS:

- FURNISH AND INSTALL ALL CONCRETE WORK AS SHOWN ON THE DRAWINGS AND AS SPECIFIED.
- EXCEPT AS MODIFIED BY THE REQUIREMENTS SPECIFIED HEREIN AND / OR THE DETAILS ON THE DRAWINGS, ALL WORK INCLUDED IN THIS SECTION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF CODES AND STANDARDS.
 - ALL WORK AND MATERIALS SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS, AND CHAPTER 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 TO FEET
- ANCHOR BOLTS, DOWELS, REINFORCING STEEL, AND EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED "WET SETTING" IS NOT ALLOWED.
- REFER TO ARCHITECTURAL, ELECTRICAL, AND MECHANICAL PLANS FOR SLEEVES, INSERTS CURBS, DEPRESSED AREAS, AND ETC.
- CONCRETE MIX REQUIRED: CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGN FOR FOOTINGS TO PROFESSIONAL OF RECORD FOR APPROVAL PRIOR TO POURING CONCRETE.

1705A.3.3. WAIVER OF BATCH PLAN INSPECTION.

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:

- 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

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/SUCCO 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, 9, AND 12, SUB-COMMITTEE 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.
- CONNECTIONS 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&FA NDS-2012, LAG SCREWS MUST BE INSTALLED INTO A PRE-DRILLED PILOT HOLE WITH A STANDARD WASHER AND TURNED WITH A WRENCH. DO NOT DRIVE IN WITH A HAMMER. OVER-TIGHTENING CAN SIGNIFICANTLY REDUCE THE LATERAL RESISTANCE OF THE LAG SCREW AND SHOULD BE AVOIDED.

FASTENING SCHEDULE (2022 CBC TABLE 2304.10.1)			
DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION	
	Roof		
1. Blocking between ceiling joists, rafters or trusses to top plate or other framing below	3-8d common (2 1/2" × 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	2-16d common (3 1/2" × 0.162"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails @ 6" o.c. 3" × 14 gage staples @ 6" o.c	End nail	
2. Ceiling joists to top plate	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	
3. Ceiling joist not attached to parallel rafter, laps over partitions (no thrust) (see Section 2308.7.3.1, Table 2308.7.3.1)	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	
4. Ceiling joist attached to parallel rafter (heel joint) (see Section 2308.7.3.1, Table 2308.7.3.1)	Per Table 2308.7.3.1	Face nail	
5. Collar tie to rafter	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	
6. Rafter or roof truss to top plate (See Section 2308.7.5, Table 2308.7.5)	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	
7. Roof rafters to ridge valley or hip rafters; or roof rafter to 2-inch ridge beam	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 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 16" 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 12" o.c. face nail 12" 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)	12" o.c. each edge, face nail 12" o.c. each edge, face nail	
11. Continuous header to stud	4-8d common (2 1/2" × 0.131"); or 4-10d box (3" × 0.128)	Toenail	
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	16" o.c. face nail 12" o.c. face nail	
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	Each side of end joint, face nail (minimum 24" lap splice length each side of end joint)	
14. Bottom plate to joist, rim joist, band joist or blocking (not at braced wall panels)	16d common (3 1/2" × 0.162); or 16d box (3 1/2" × 0.135); or 3" × 0.131" nails; or 3" 14 gage staples, 7/16" crown	16" o.c. face nail 16" o.c. face nail	
15. Bottom plate to joist, rim joist, band joist or blocking at braced wall panels	2-16d common (3 1/2" × 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	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") 20d common (4" × 0.192")	Each bearing, face nail 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	
	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	
27. Ledger strip supporting joists or rafters	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	
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	End nail	
29. Bridging or blocking to joist, rafter or truss	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 ^a			
		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) ^b 2 3/8" × 0.113" nail (subfloor and wall) 2 3/8" × 0.113" nail (roof)	6 6 4	12 12 8
31. 19/32" — 3/4"	8d common or deformed (2 1/2" × 0.131") (roof) or RRSR-01 (2 3/8" × 0.113") nail (roof) ^b 2 3/8" × 0.113" nail	6 4	12 8
32. 7/8" — 1 1/4"	10d common (3" × 0.148); or 8d deformed 2 1/2" (3.13")	6	12
	Other exterior wall sheathing		
33. 1/2" fiberboard sheathing ^b	1 1/2" galvanized roofing nail (7/16" head diameter); or 1 1/4" 16 gage plate with 7/16" or 1" crown	3	6
34. 25/32" fiberboard sheathing ^b	1 3/4" galvanized roofing nail (7/16" diameter head); or 1 1/2" 16 gage plate 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 6d deformed (2" × 0.113")	6	12
36. 7/8" — 1"	8d common (2 1/2" × 0.131"); or 6d 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	6d 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 1/8" × 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 nail.			
d. RRSR-01 is a Roof Sheathing Ring Shank nail meeting the specifications in ASTM F1667.			



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

1. HSS COLUMN SCHEDULES ON SHEETS S-3.01 THRU S-3.02

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME

SHEET TITLE

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 _____



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

MODULAR BUILDING DESIGN PROFESSIONAL



PROJECT NO

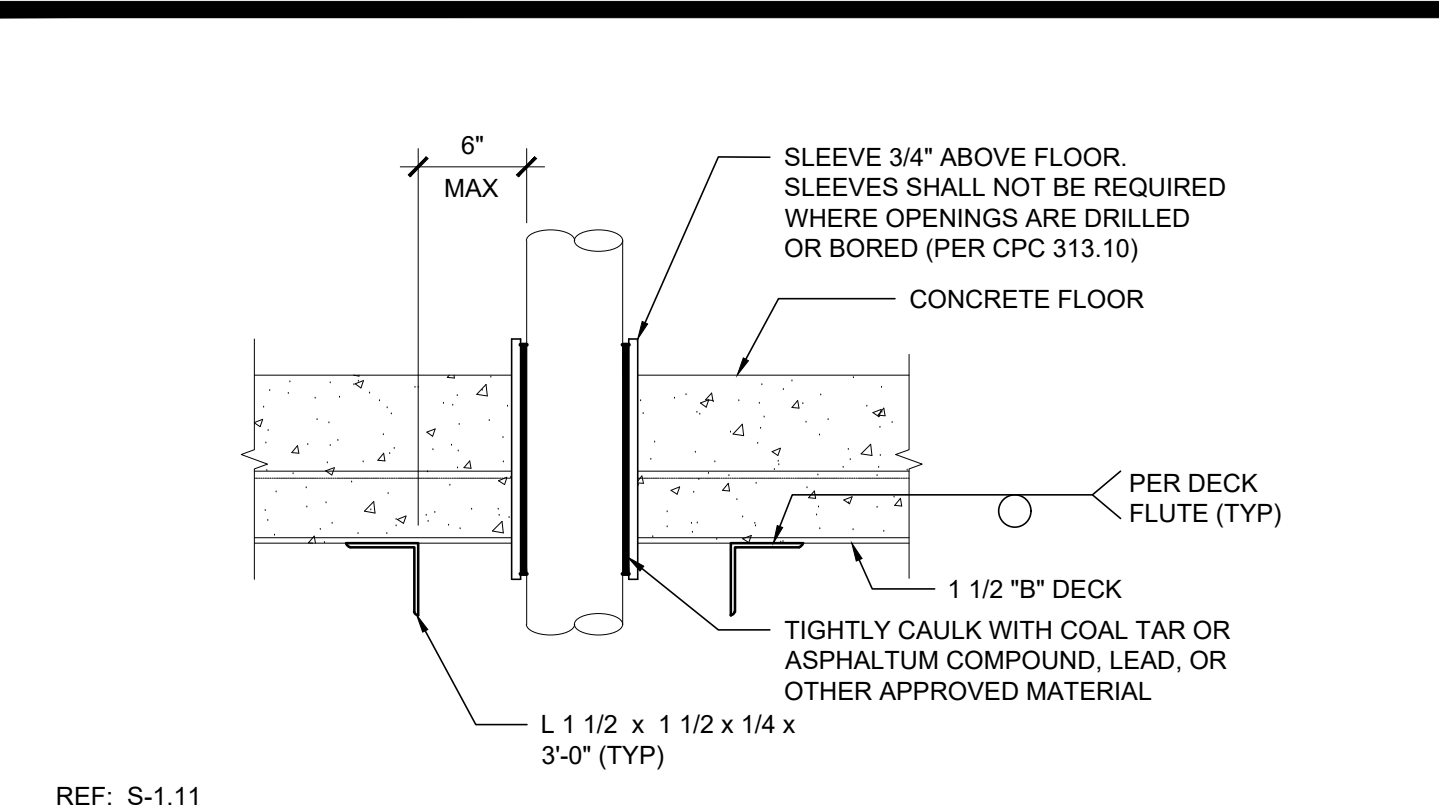
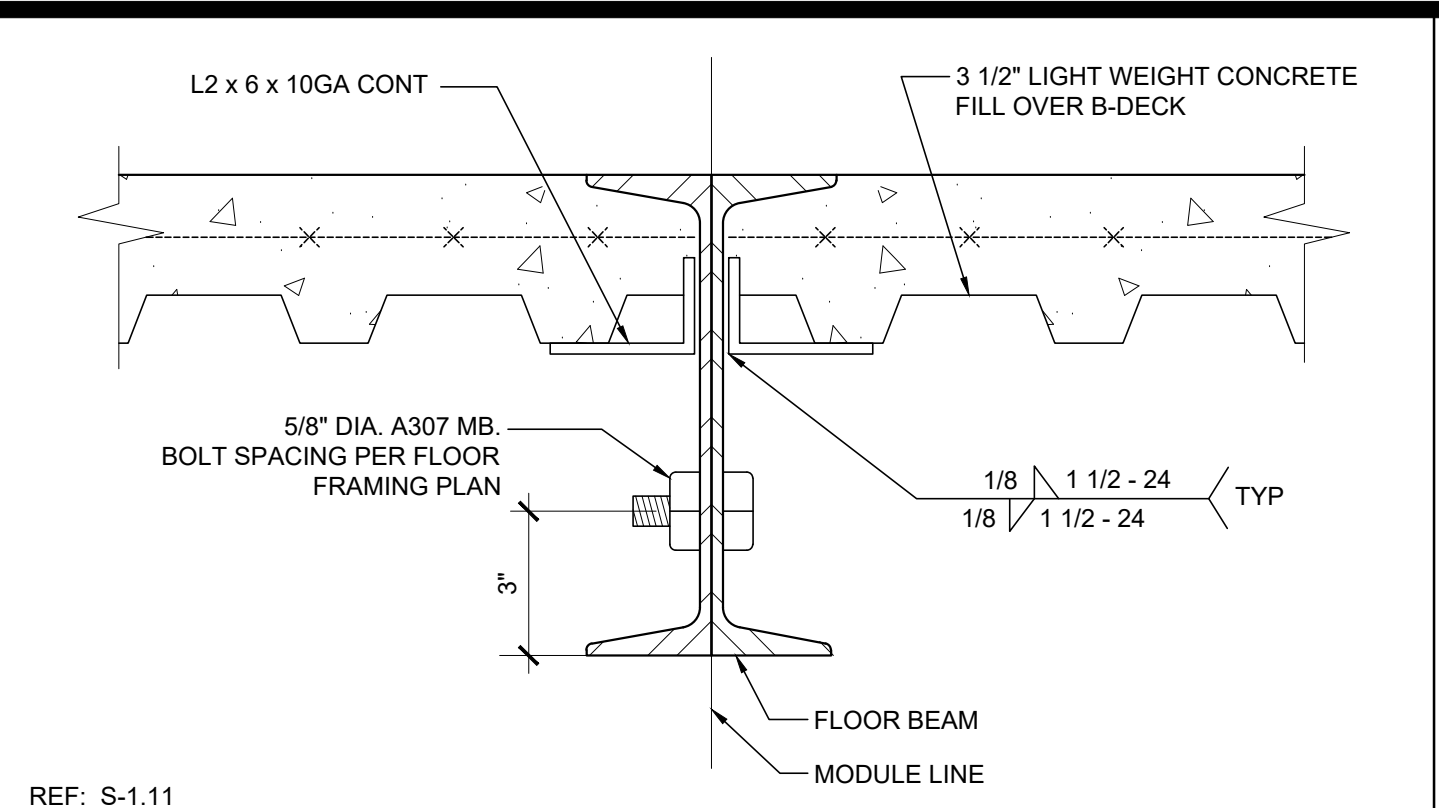
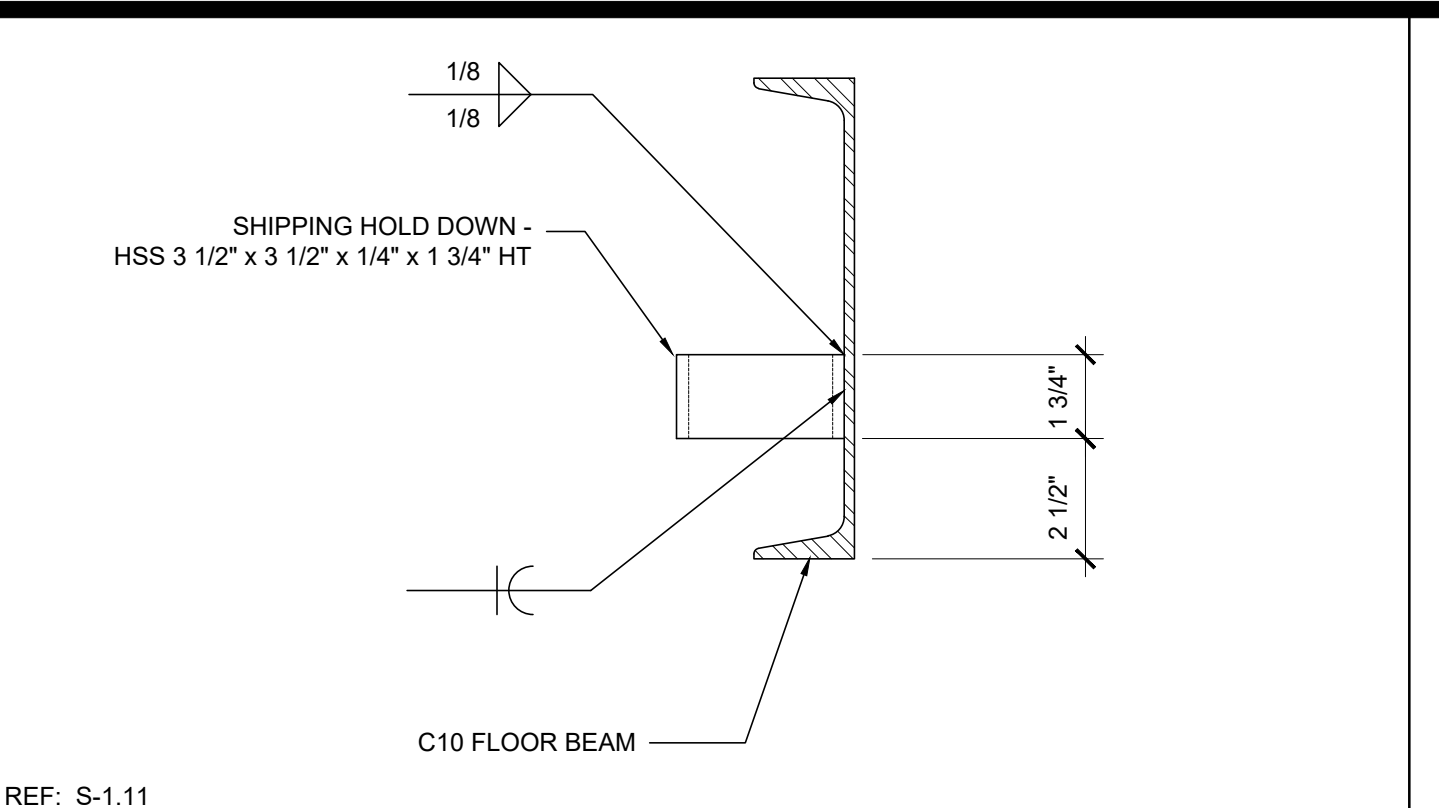
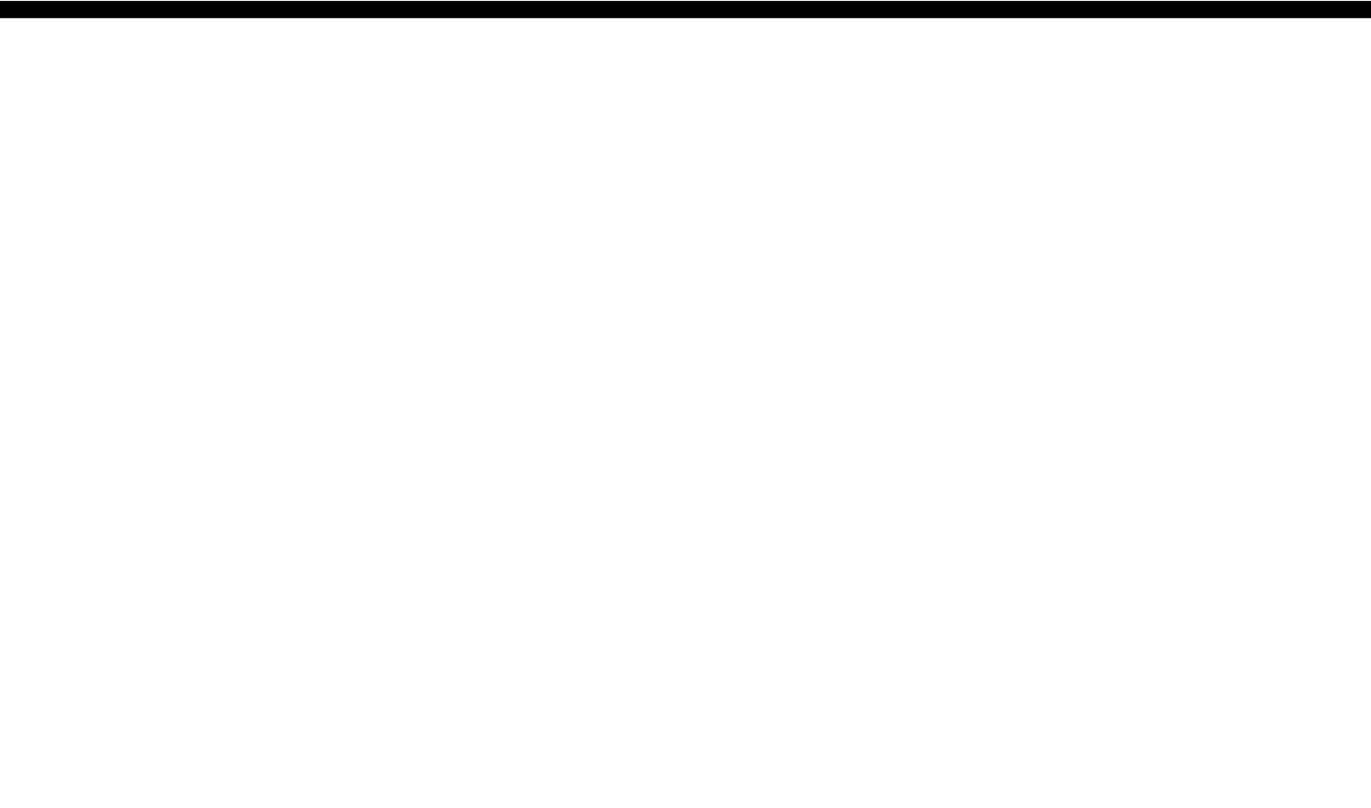
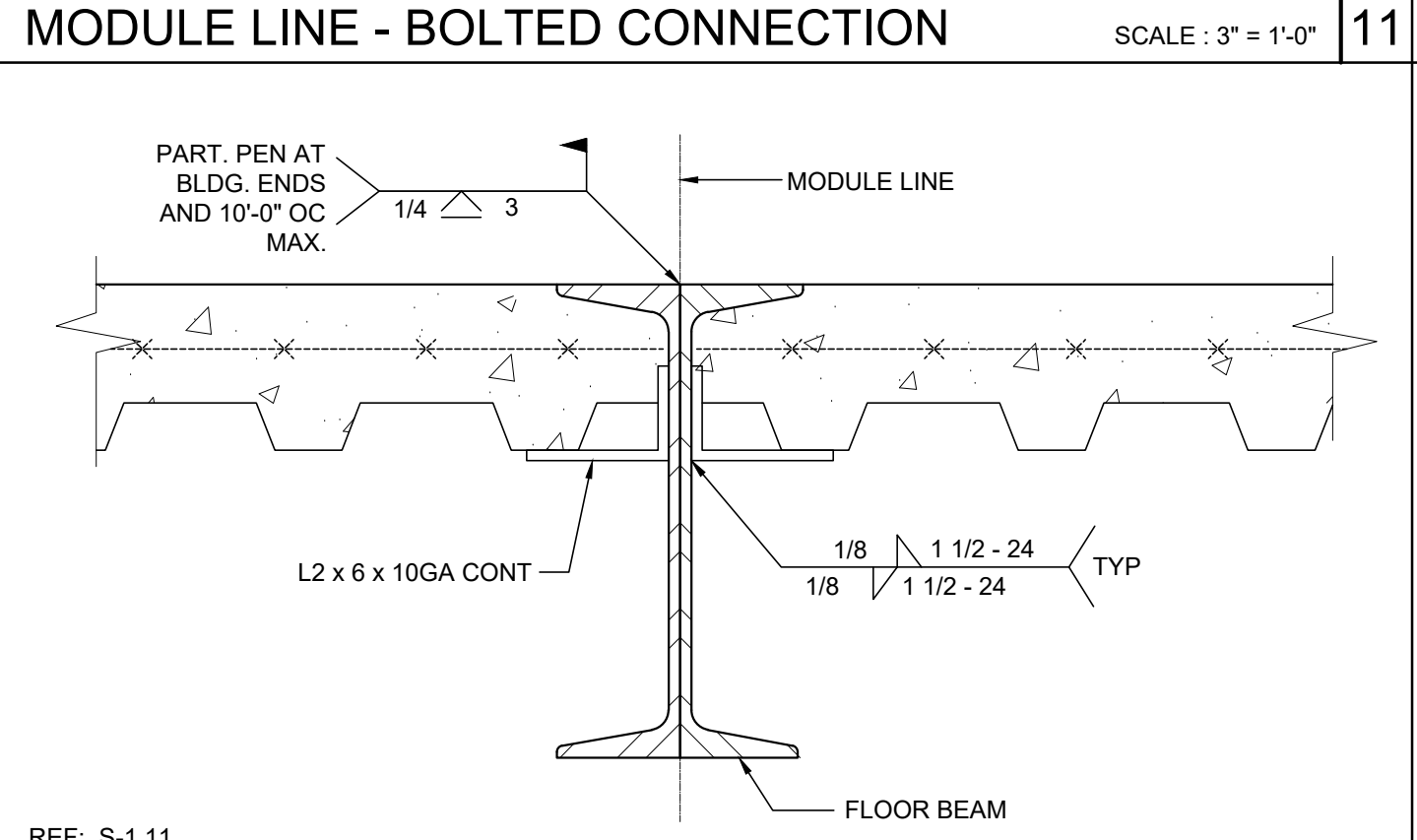
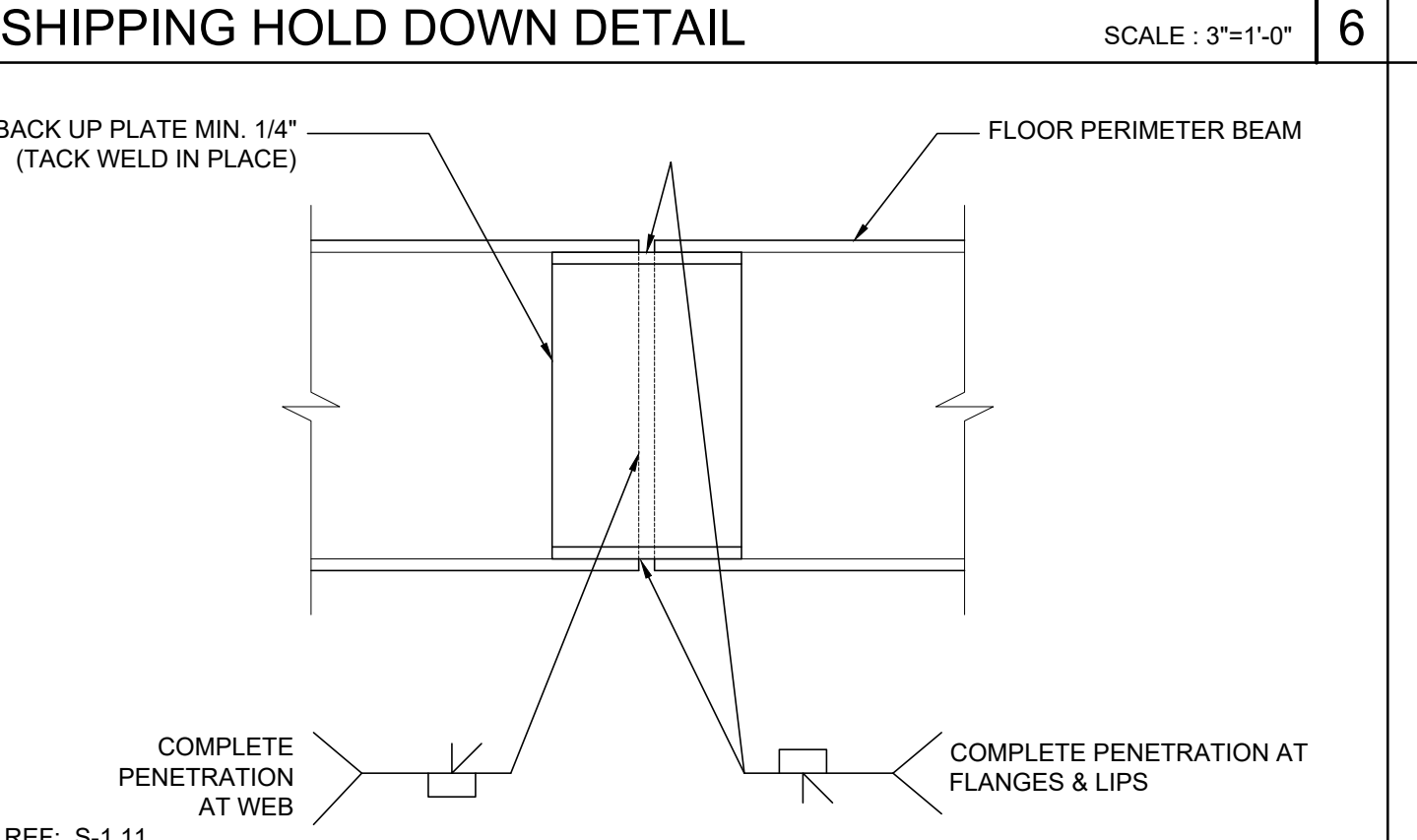
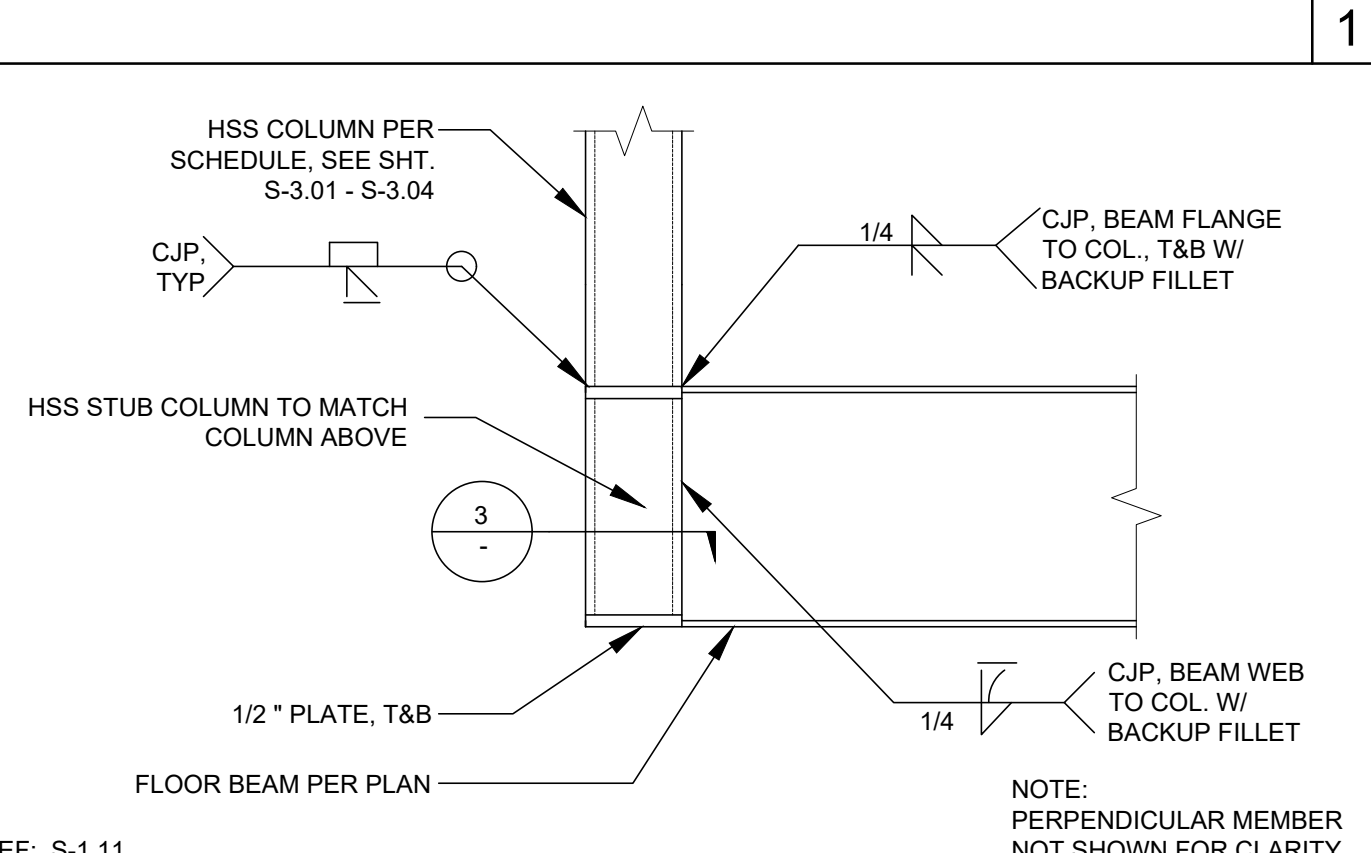
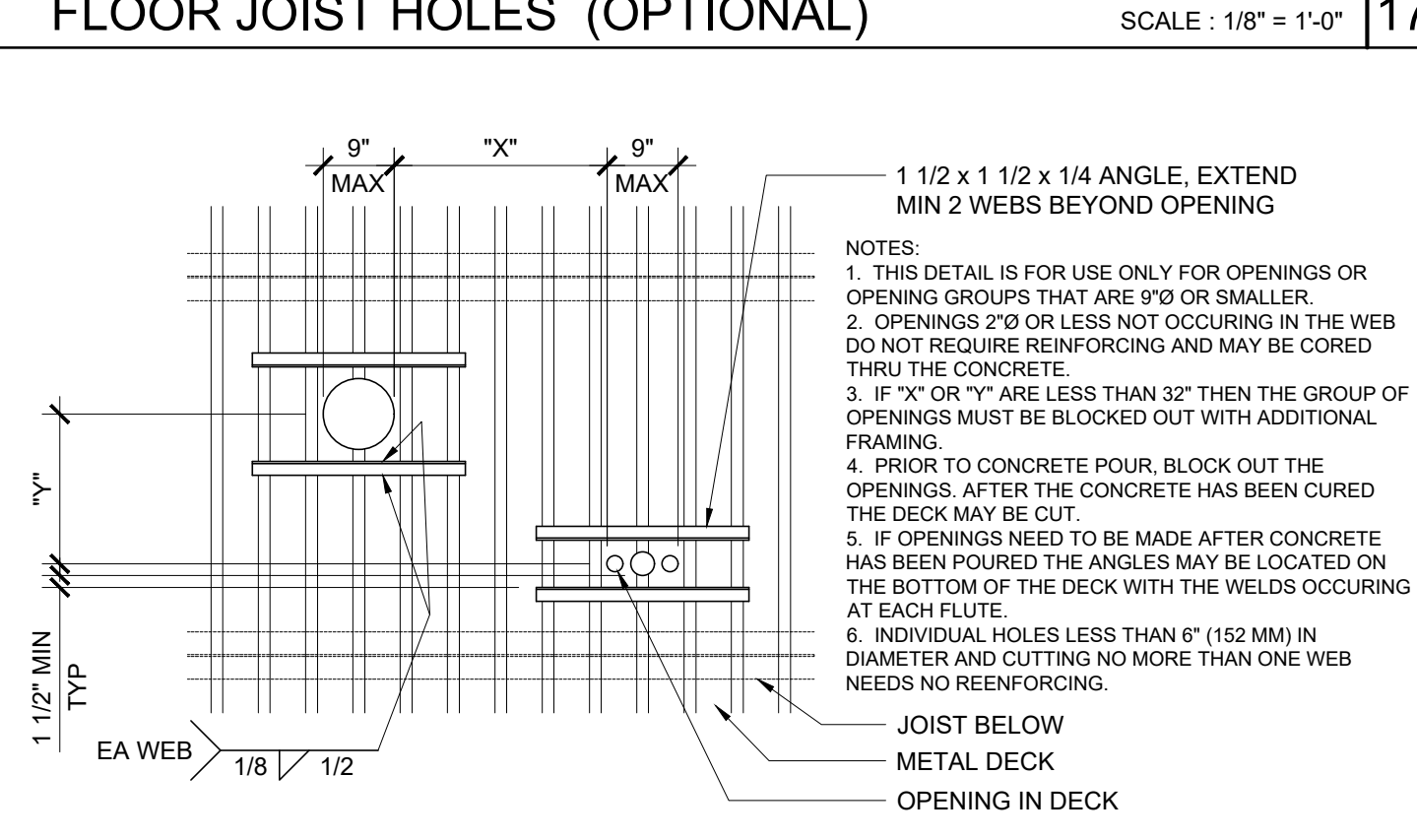
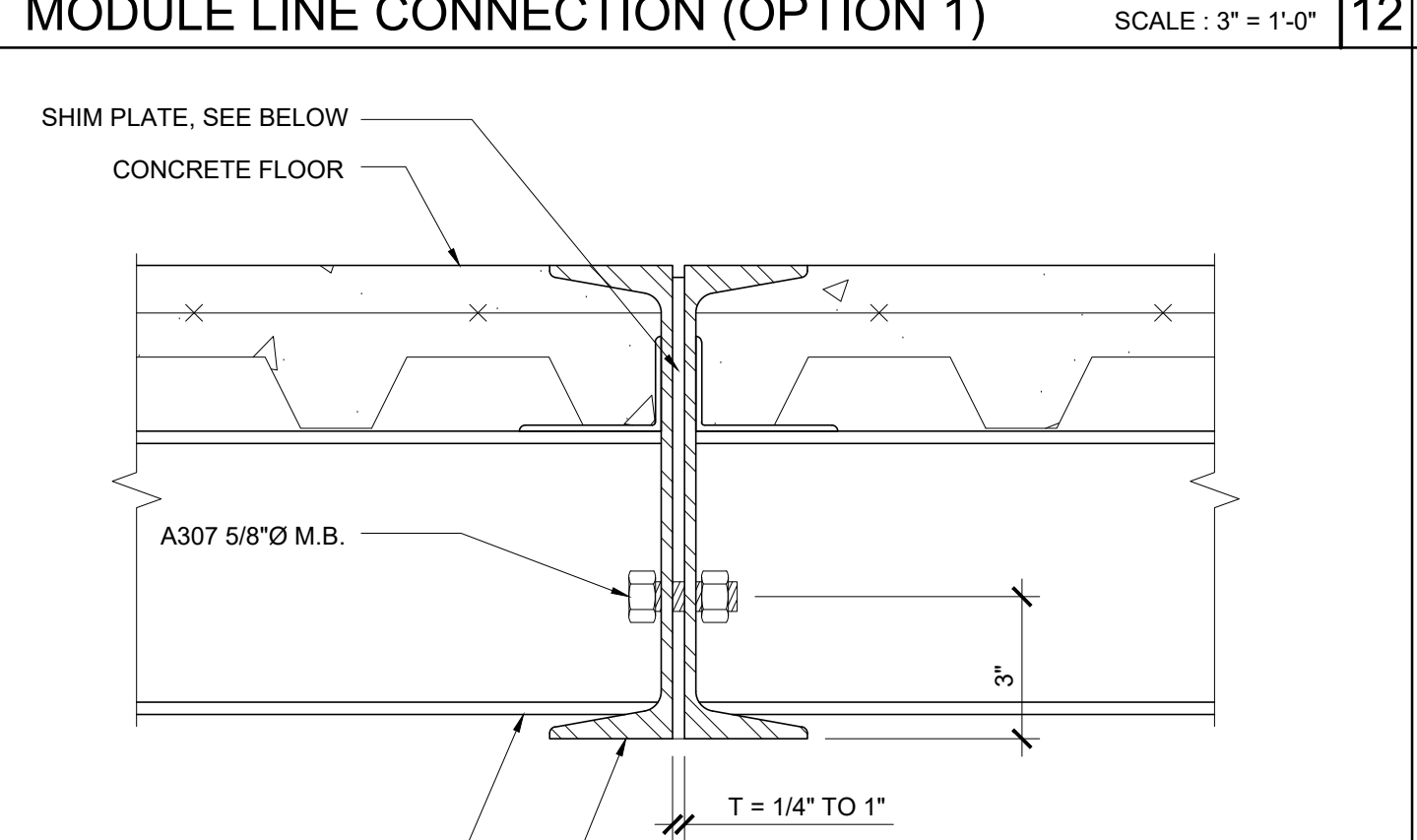
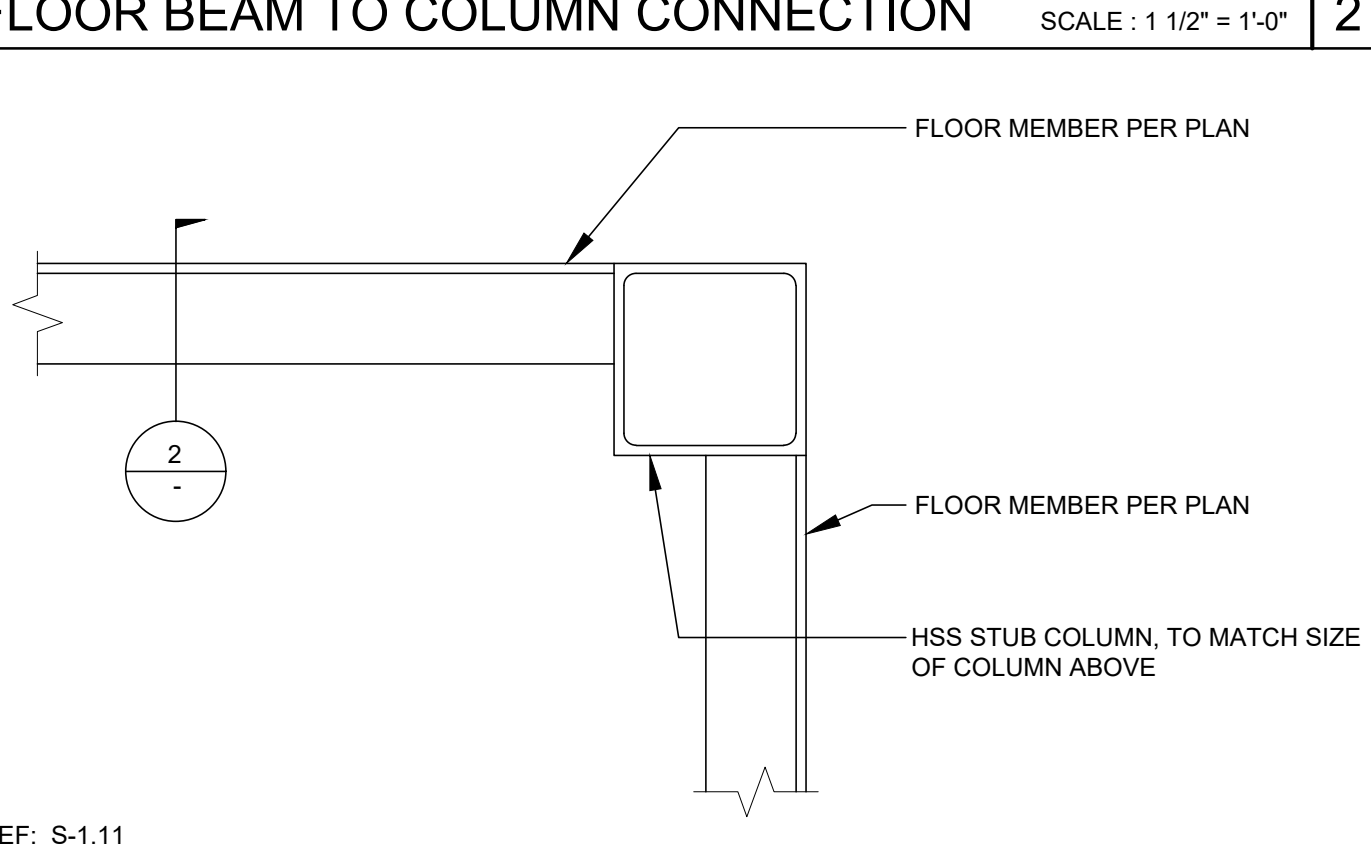
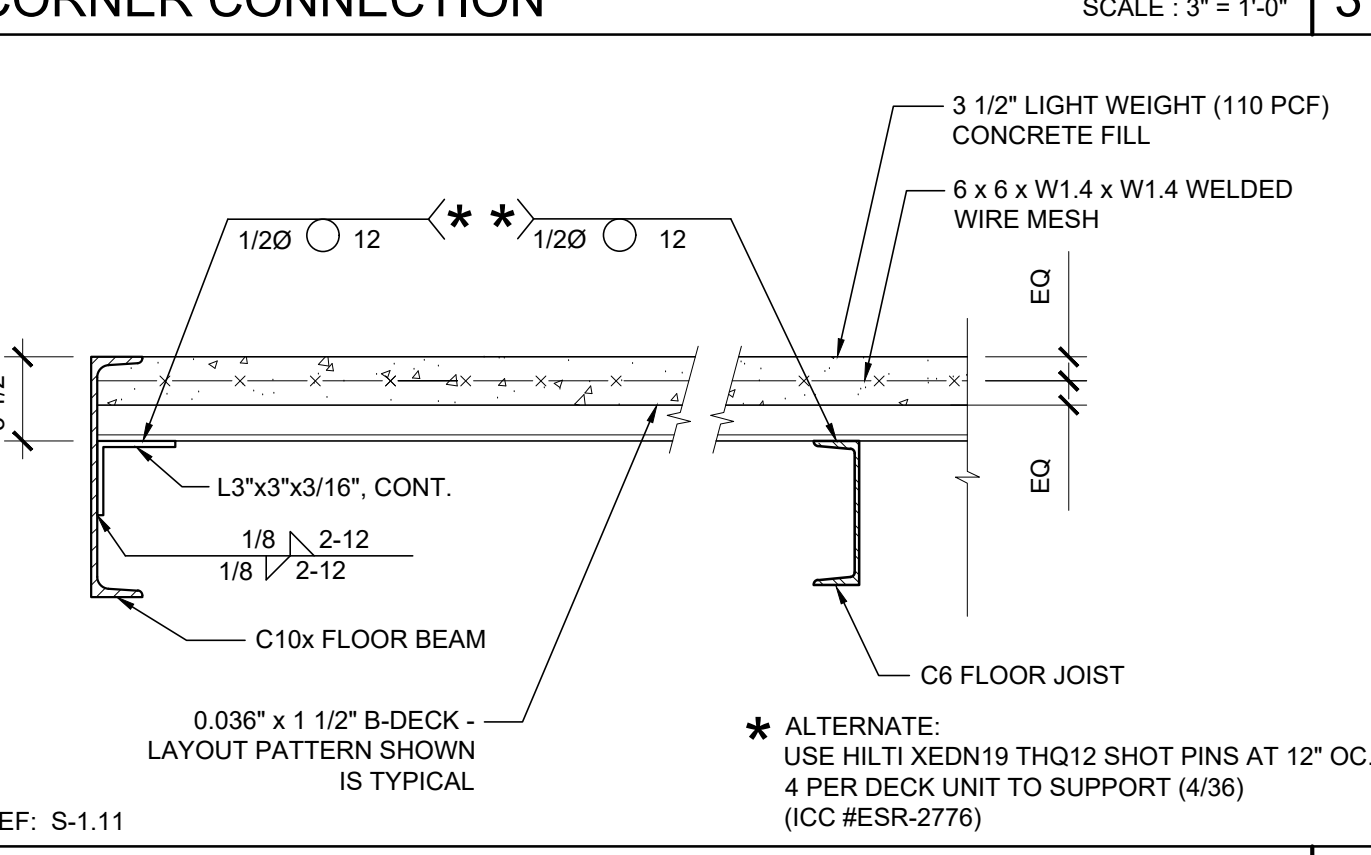
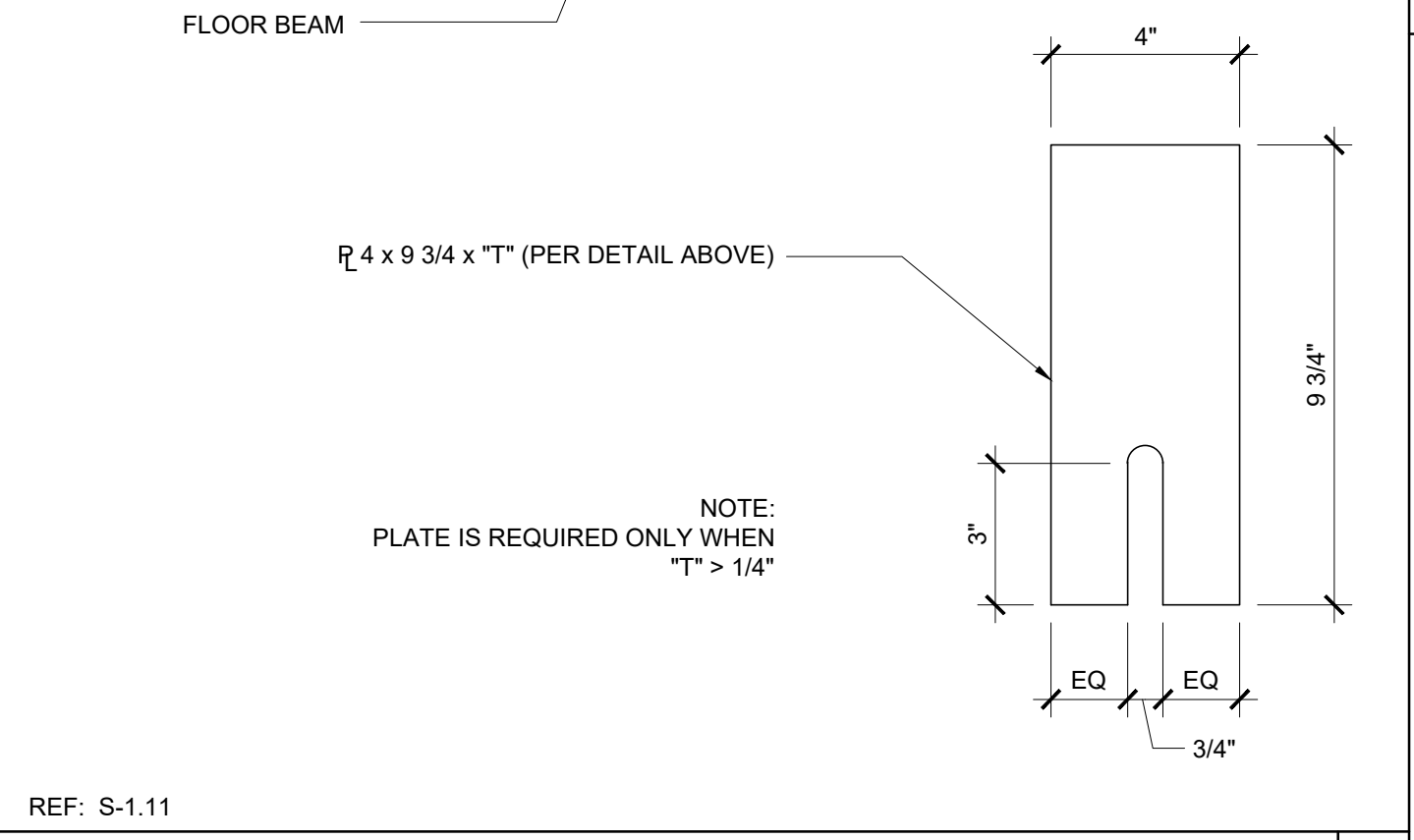
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

S-1.11

 <p>REF: S-1.11</p>		<p>FLOOR PENETRATION</p> <p>SCALE : 3" = 1'-0"</p> <p>16</p>		 <p>REF: S-1.11</p>		<p>MODULE LINE - BOLTED CONNECTION</p> <p>SCALE : 3" = 1'-0"</p> <p>11</p>		 <p>REF: S-1.11</p>		<p>SHIPPING HOLD DOWN DETAIL</p> <p>SCALE : 3"=1'-0"</p> <p>6</p>		 <p>REF: S-1.11</p>		<p>FLOOR JOIST HOLES (OPTIONAL)</p> <p>SCALE : 1/8" = 1'-0"</p> <p>17</p>		 <p>REF: S-1.11</p>		<p>MODULE LINE CONNECTION (OPTION 1)</p> <p>SCALE : 3" = 1'-0"</p> <p>12</p>		 <p>REF: S-1.11</p>		<p>FLOOR BEAM SPLICE</p> <p>SCALE : 3" = 1'-0"</p> <p>7</p>		 <p>REF: S-1.11</p>		<p>FLOOR BEAM TO COLUMN CONNECTION</p> <p>SCALE : 1 1/2" = 1'-0"</p> <p>2</p>		 <p>REF: S-1.11</p>		<p>PENETRATIONS IN DECK (OPTION)</p> <p>SCALE : 1/2"=1'-0"</p> <p>18</p>		 <p>REF: S-1.11</p>		<p>MODULE LINE CONNECTION (OPTION 2)</p> <p>SCALE : 3"=1'-0"</p> <p>14</p>		 <p>REF: S-1.11</p>		<p>DECK AT END BEAM</p> <p>SCALE : 1 1/2" = 1'-0"</p> <p>4</p>		 <p>REF: S-1.11</p>		<p>JOIST TO SIDE BEAM</p> <p>SCALE : 1 1/2" = 1'-0"</p> <p>5</p>	
 <p>REF: S-1.11</p>		<p>FLOOR DECK PROPERTY</p> <p>SCALE : 1 1/2" = 1'-0"</p> <p>15</p>		<p>NOT USED</p> <p>20</p>		<p>15</p>																																					

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122742 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 02/17/2026

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:
**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

SHEET TITLE:
**FLOOR FRAMING
DETAIL
CONCRETE FLOOR**

REVISIONS

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
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FOR CONSTRUCTION IS REQUIRED

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DIV. OF THE STATE ARCHITECT
APP: 01-121999 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:

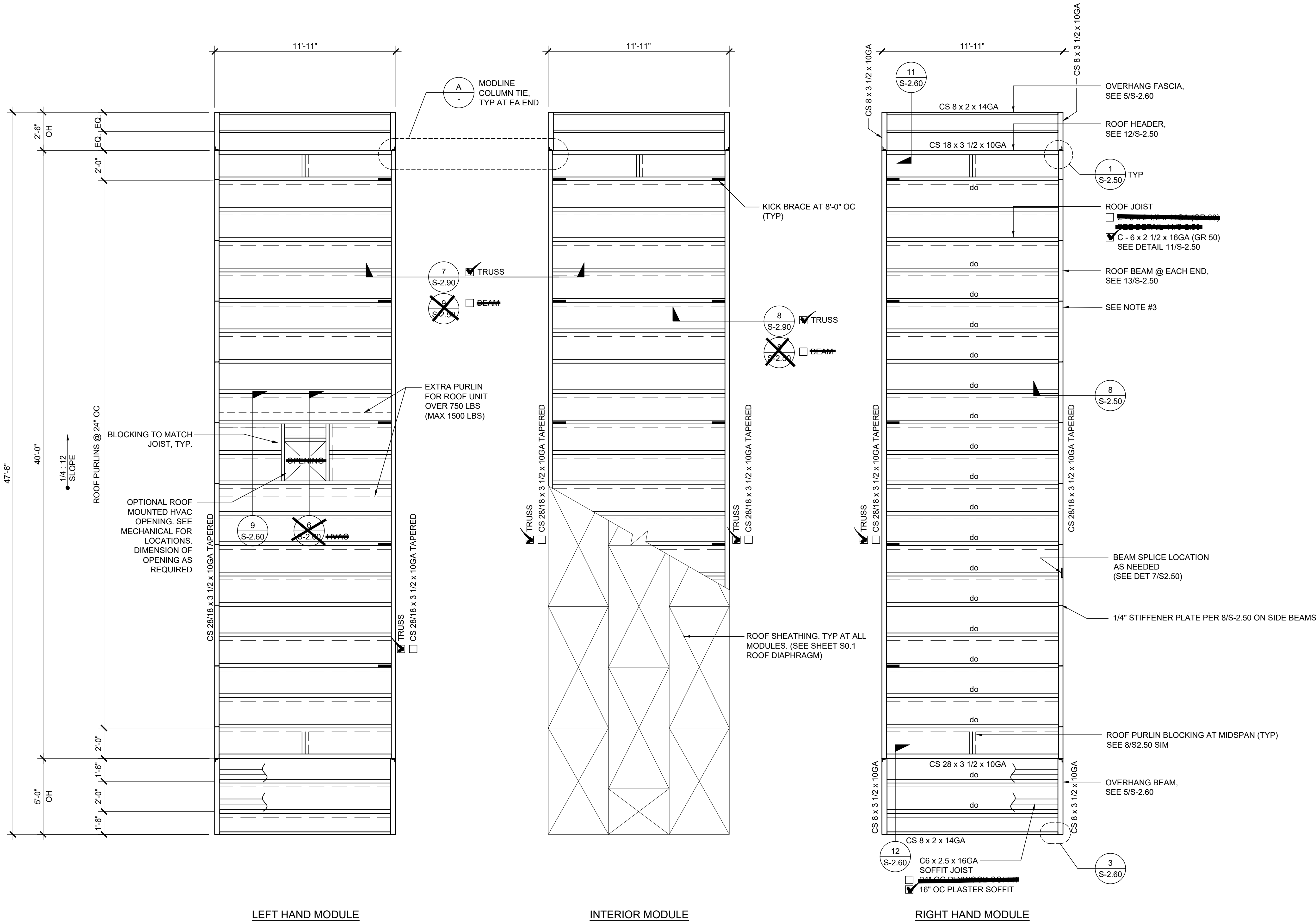
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SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

S-1.60

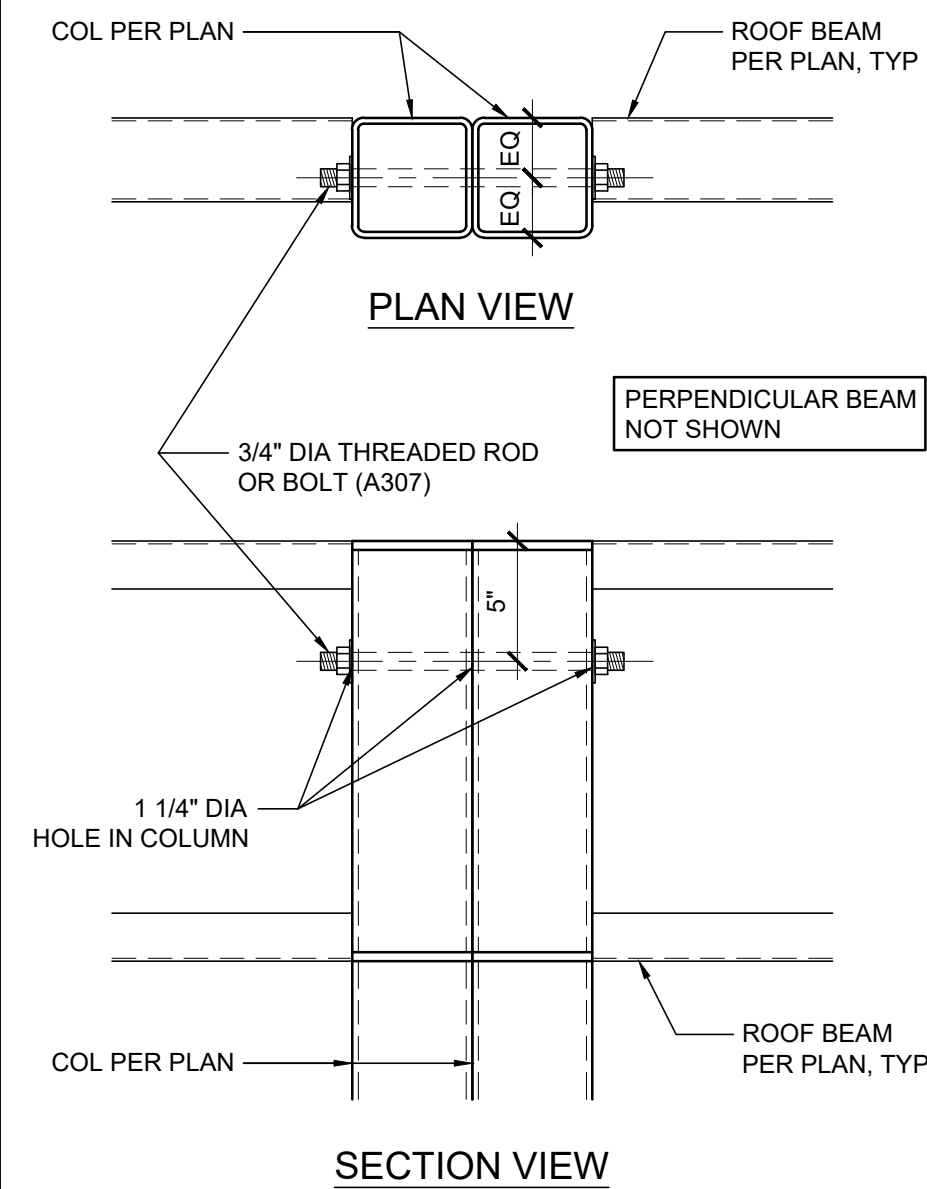


ROOF FRAMING PLAN

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

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



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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

ROOF FRAMING PLAN
MONO SLOPE

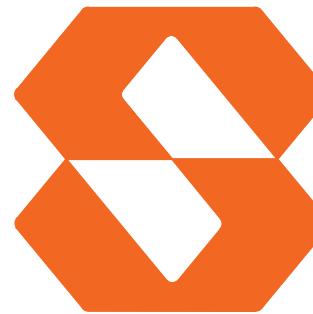
REVISIONS

1
2
3
4
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:

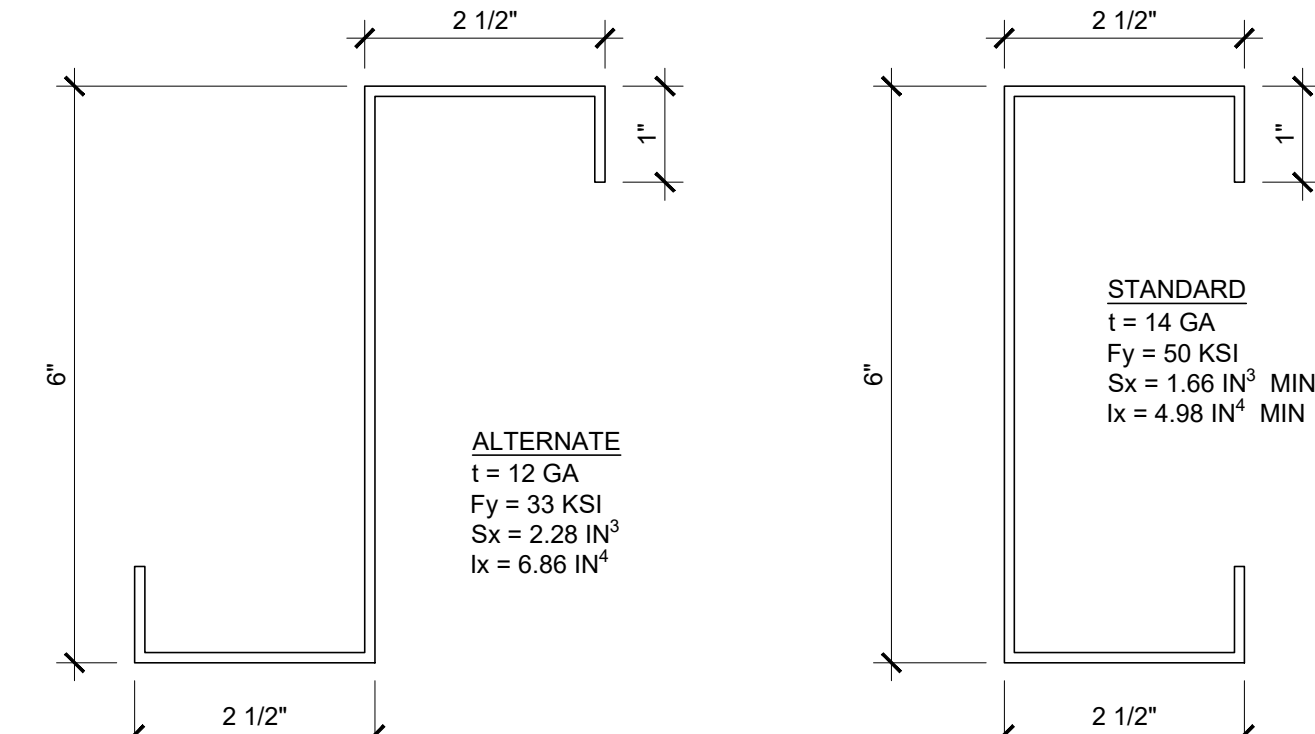
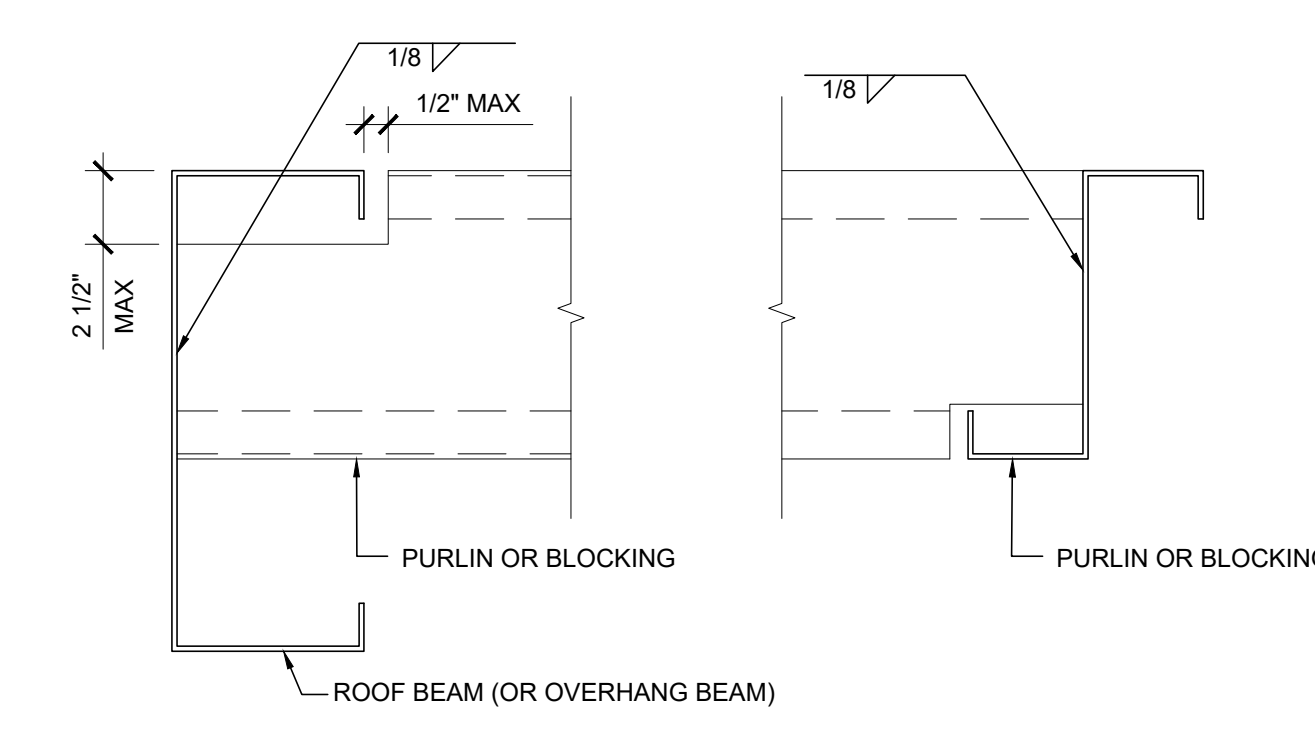
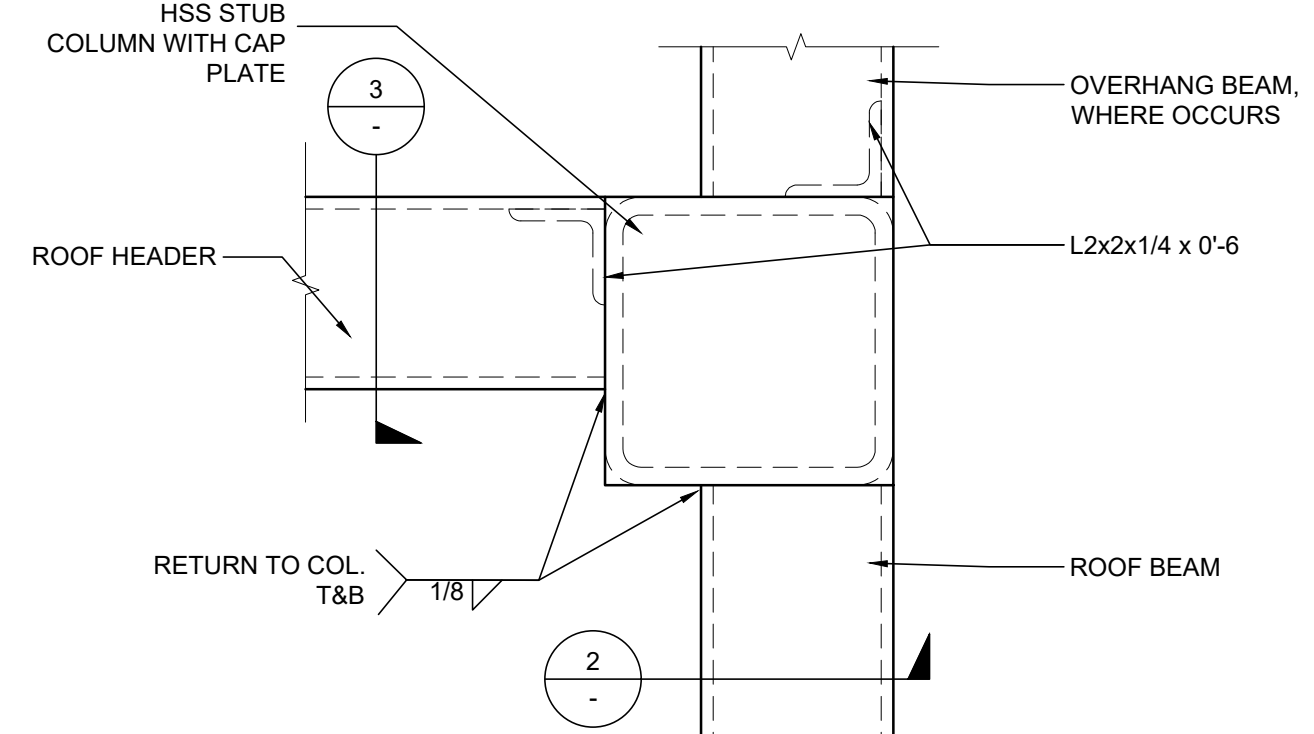
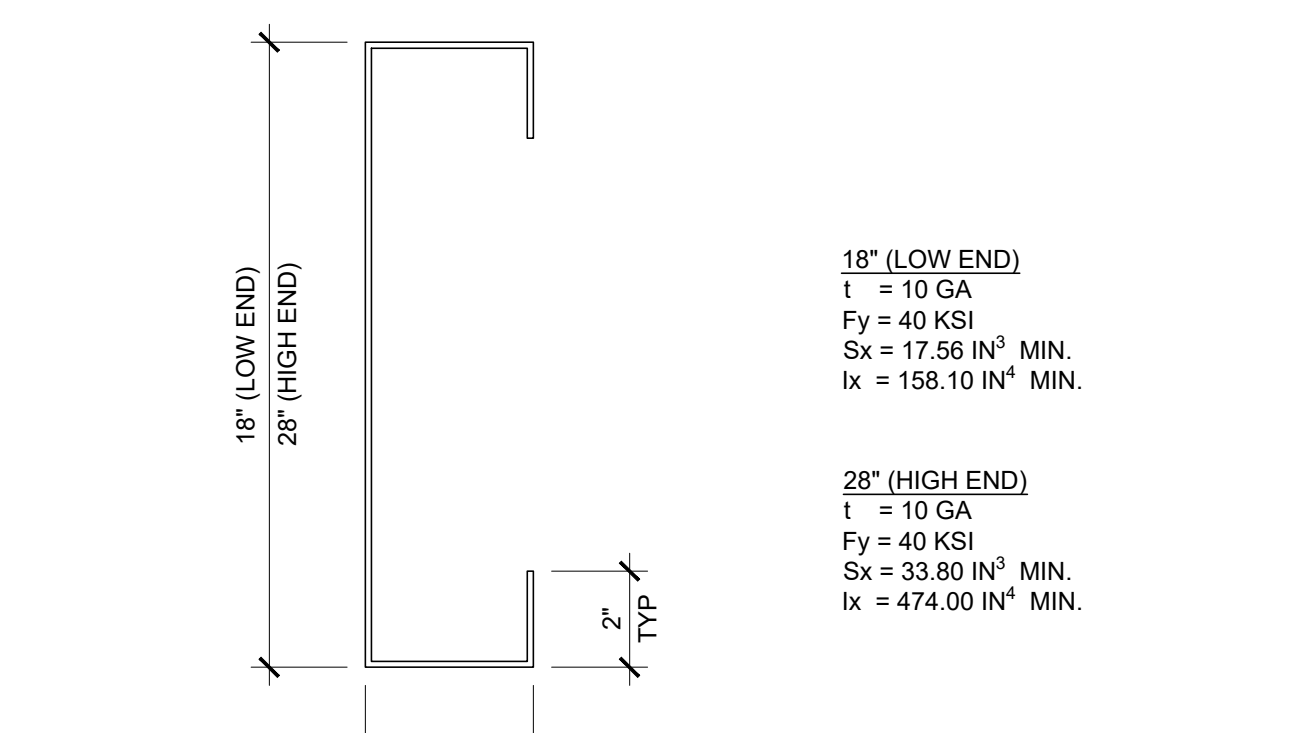
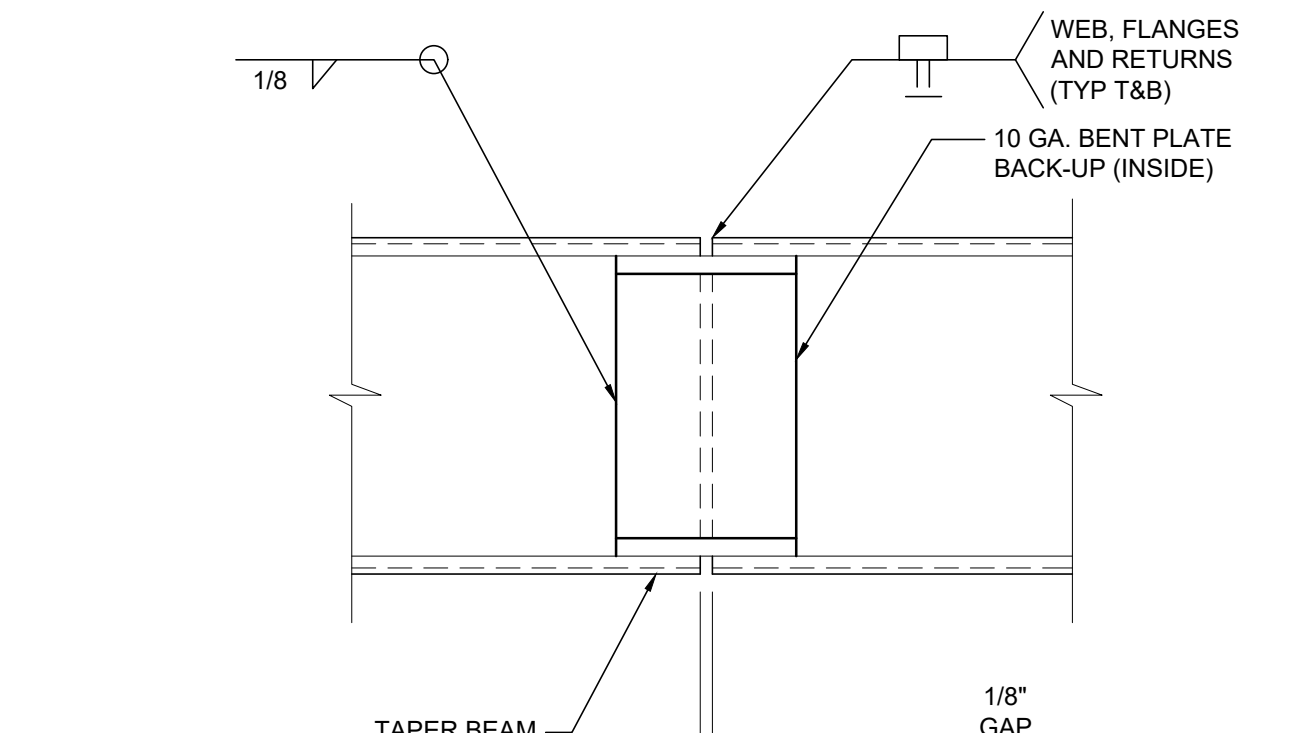
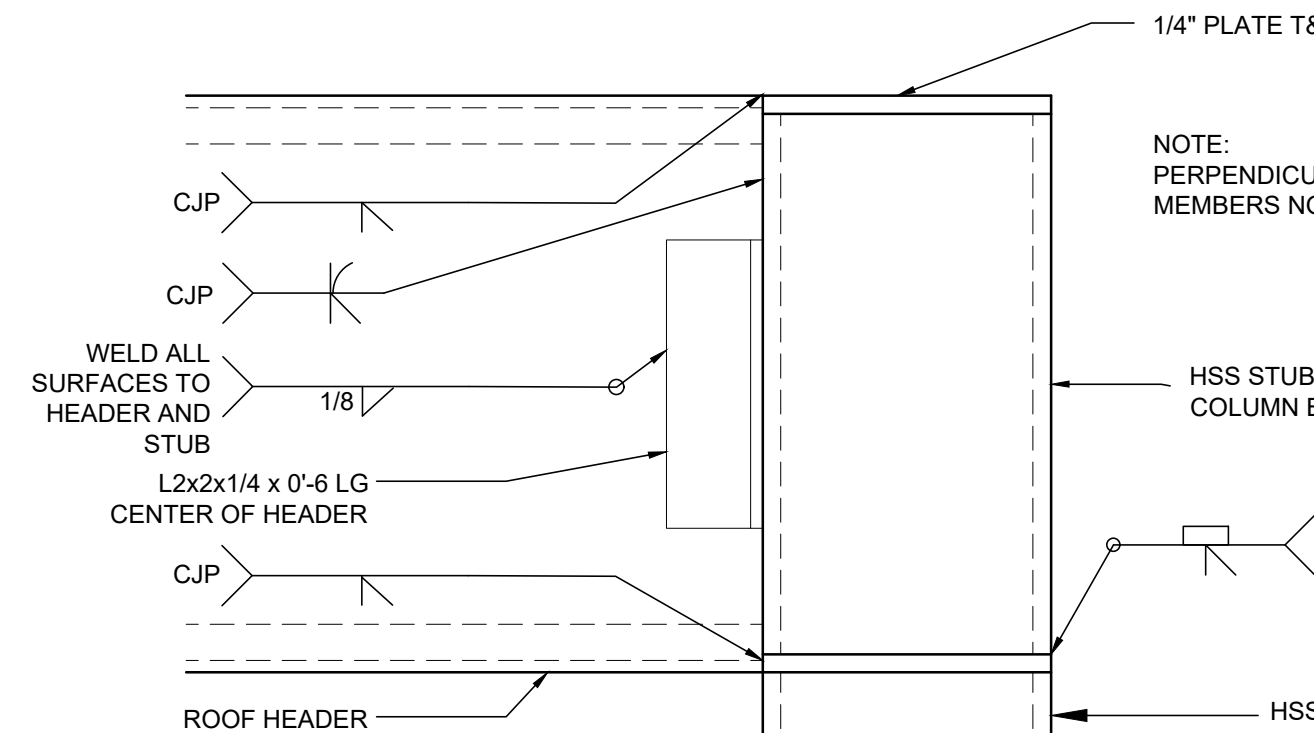
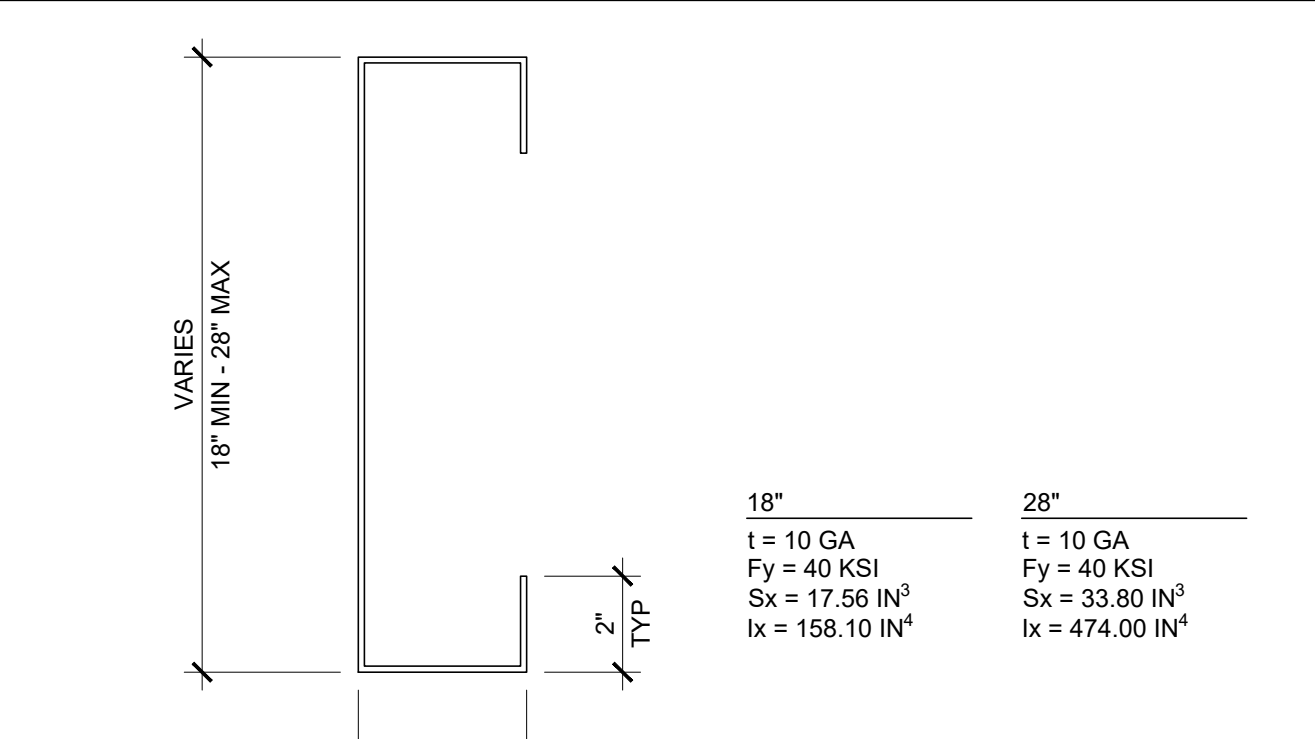
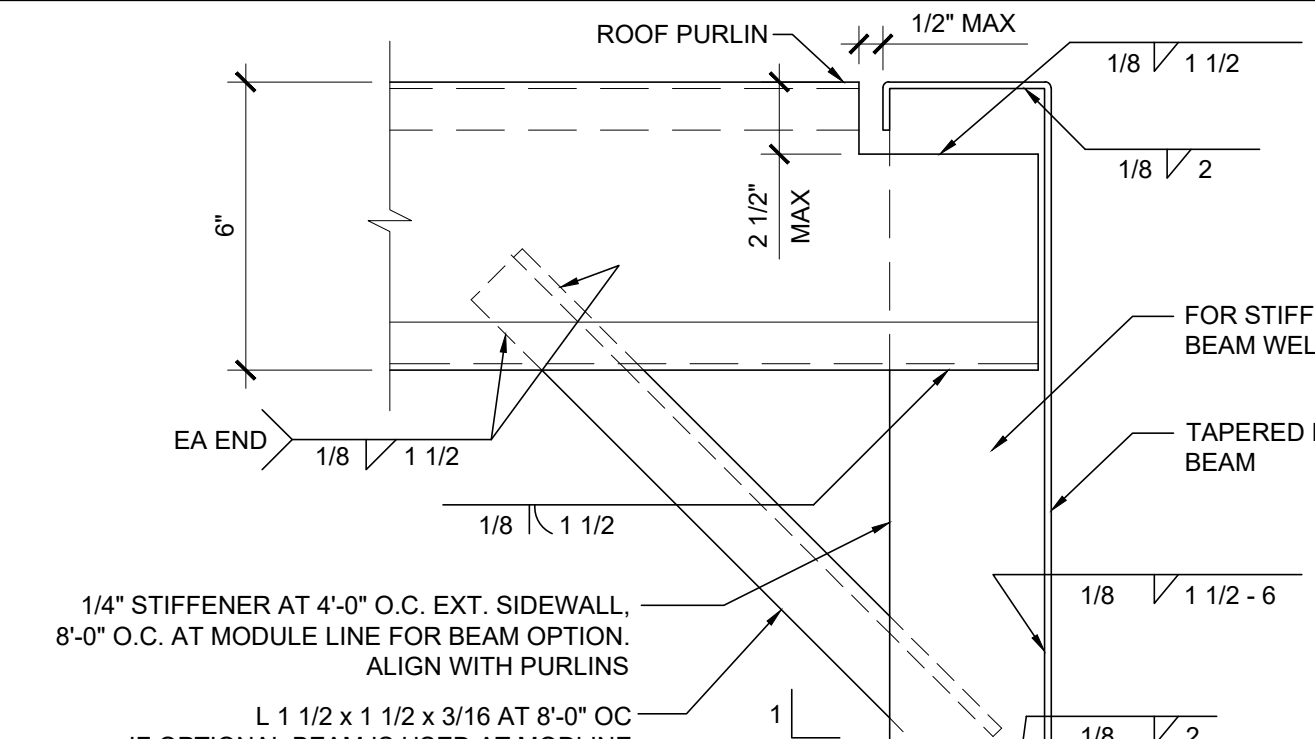
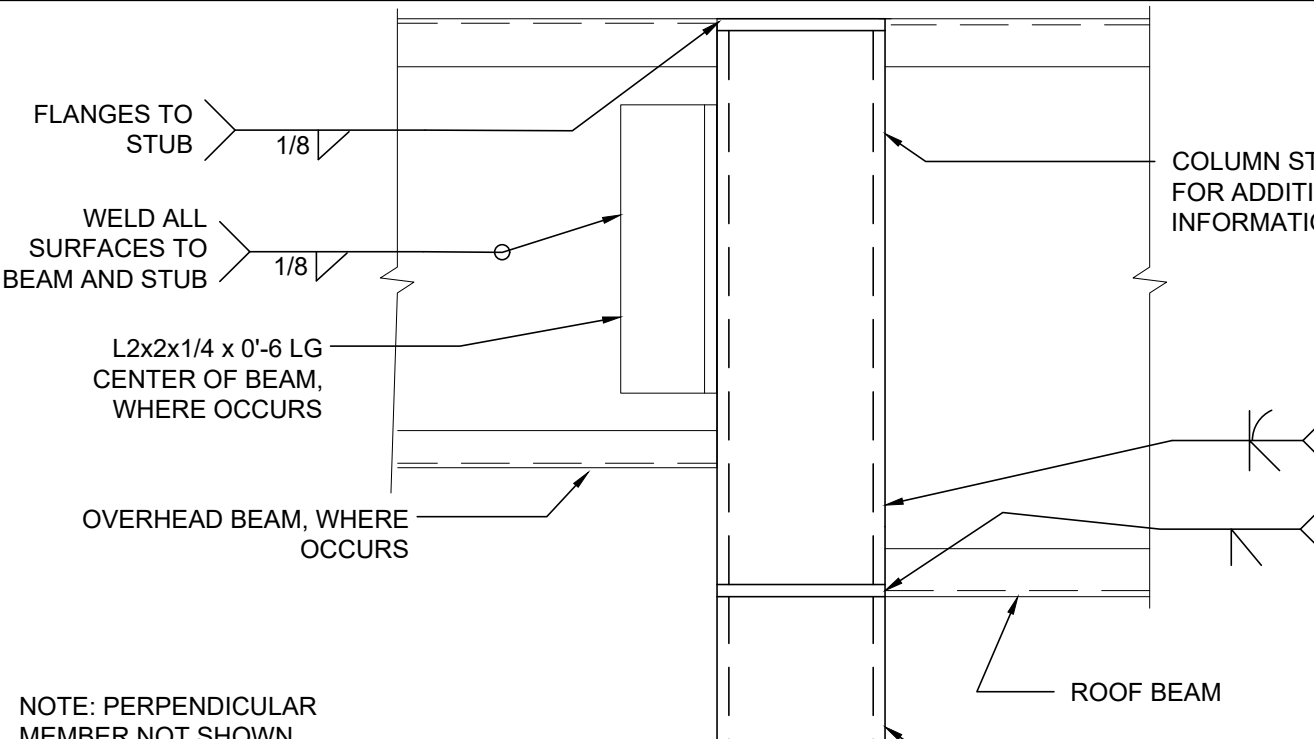
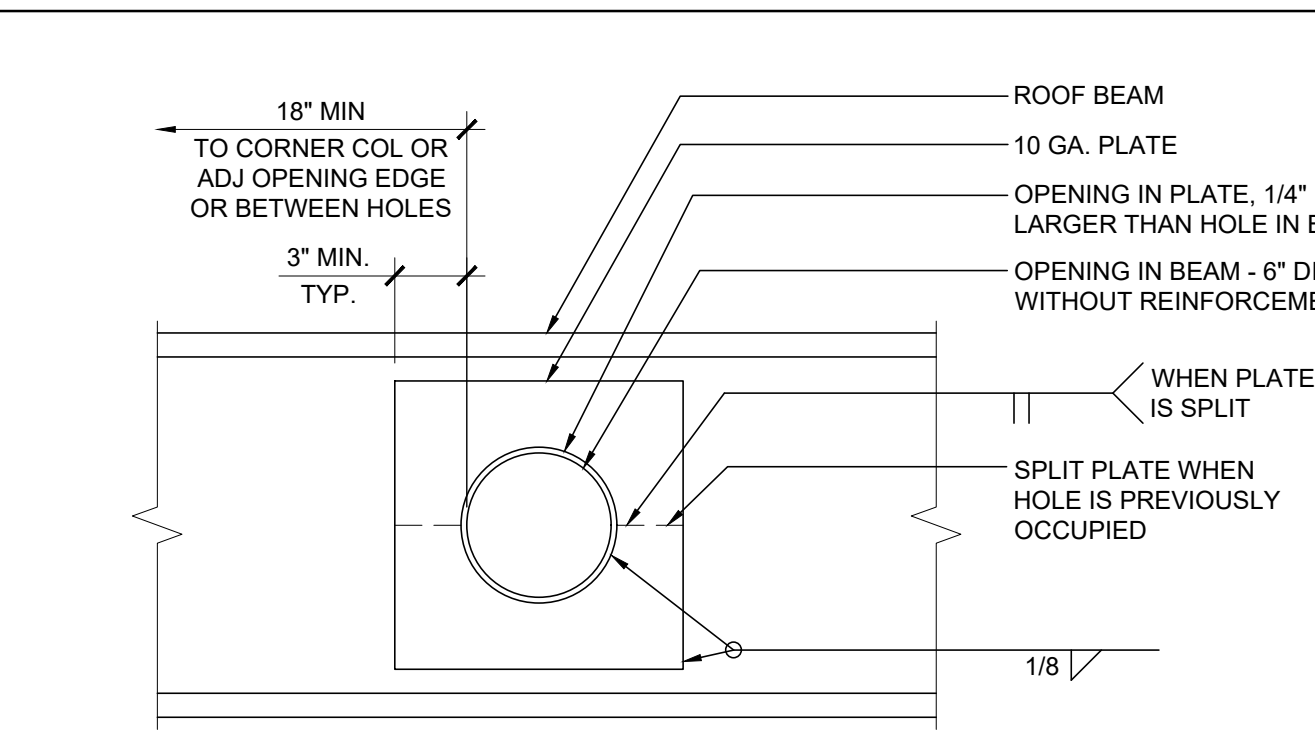
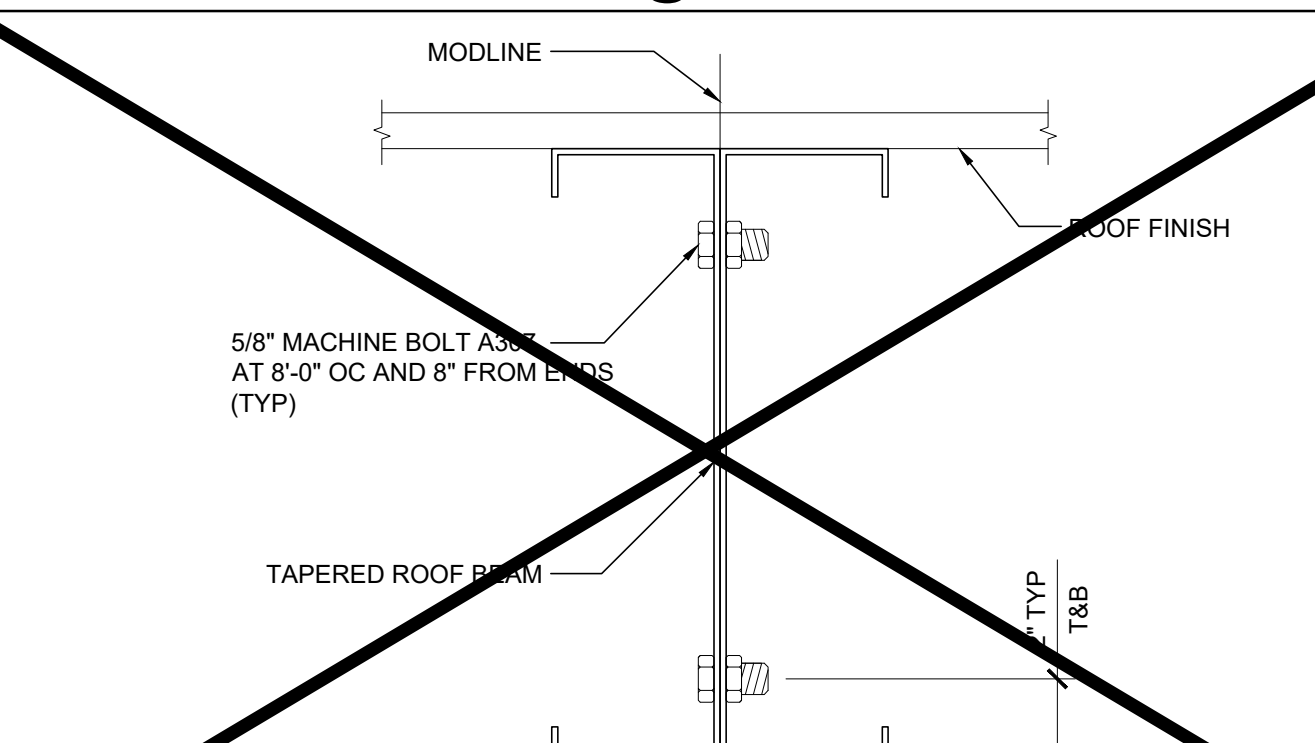
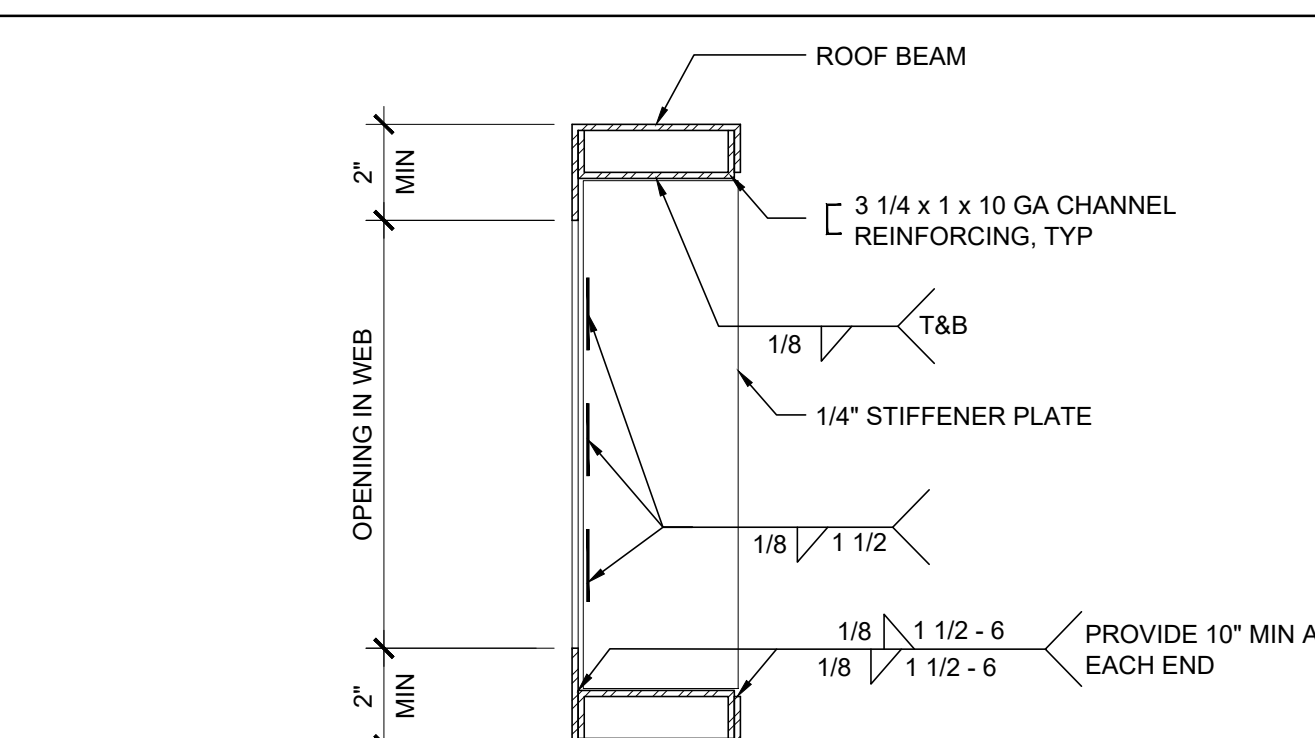
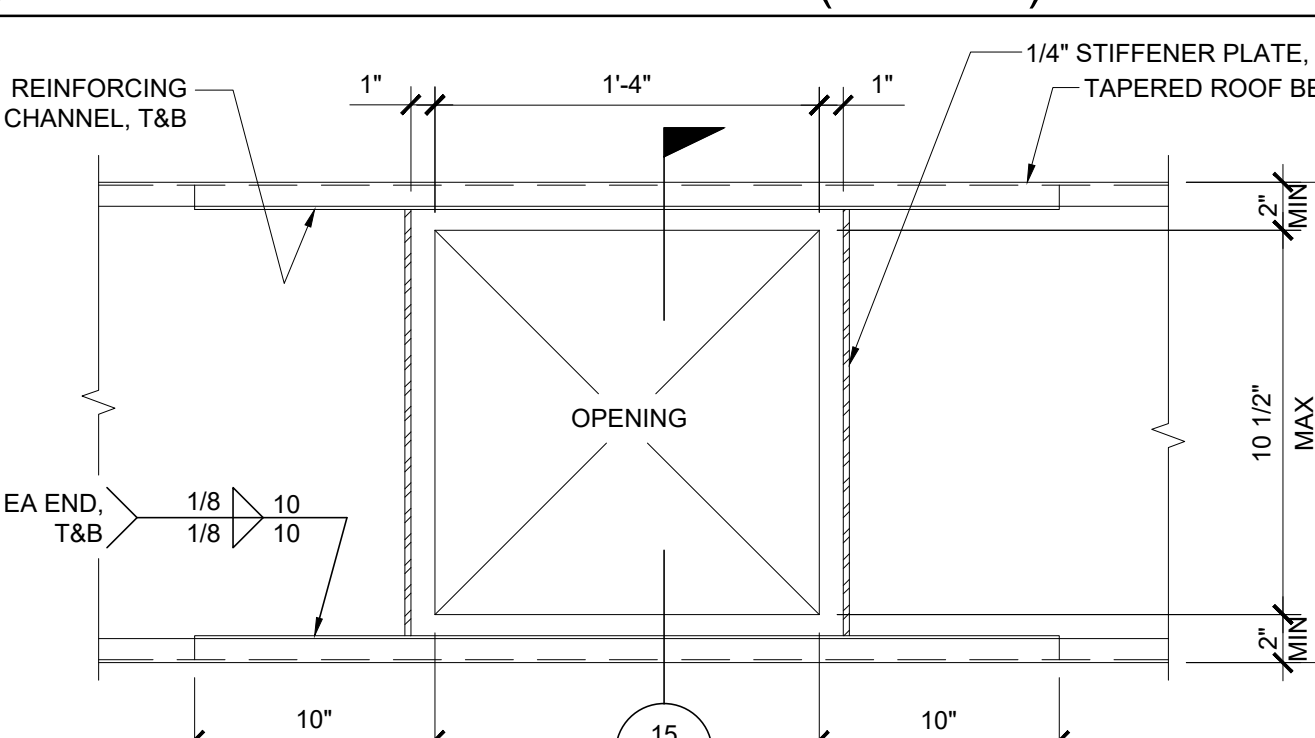
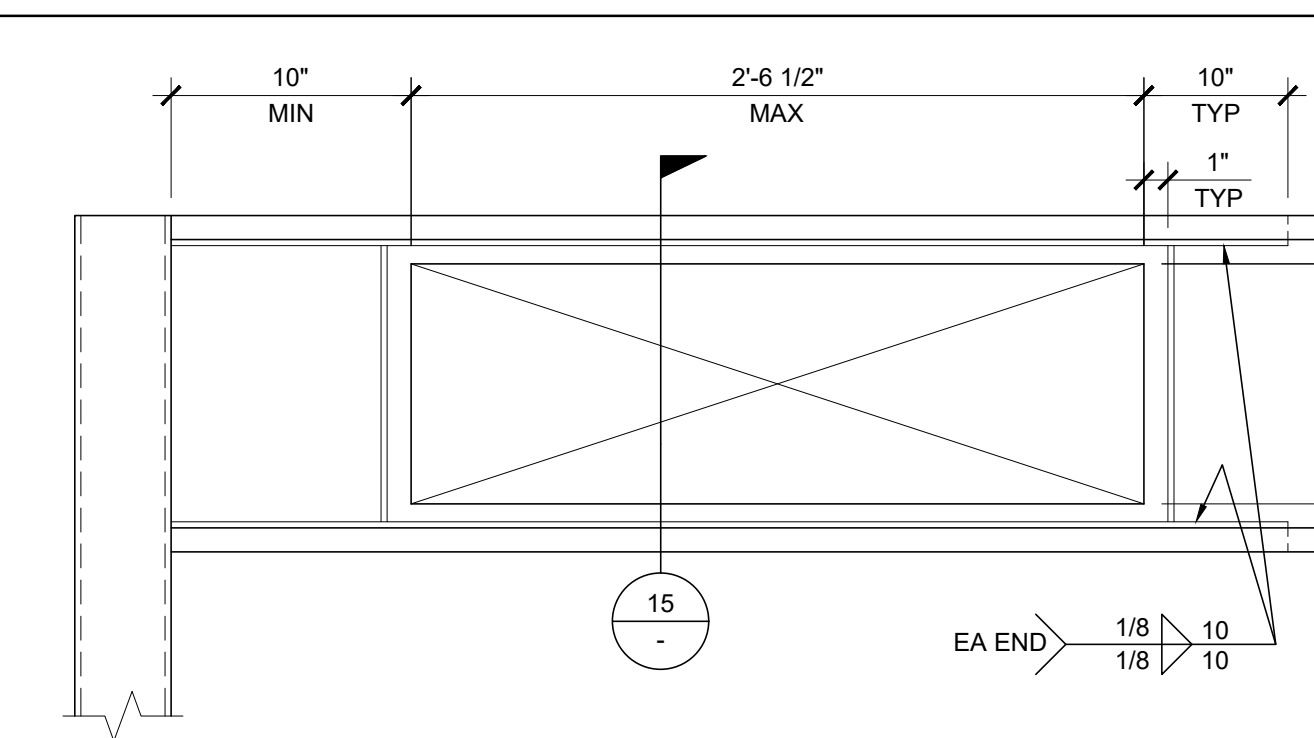
DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

S-2.01

		 <p>ALTERNATE t = 12 GA Fy = 33 KSI Sx = 2.28 IN³ Ix = 6.86 IN⁴</p> <p>STANDARD t = 14 GA Fy = 50 KSI Sx = 1.66 IN³ MIN Ix = 4.98 IN⁴ MIN</p> <p>REF: S2.01, S2.02, S2.03</p>		 <p>REF: S2.02</p>		 <p>REF: S2.01, S2.02, S2.03</p>				
NOT USED	16	ROOF PURLIN	SCALE : 6"=1'-0"	11	TYPICAL PURLIN CONNECTION DETAIL	SCALE : 3" = 1'-0"	6	COLUMN AT ROOF - PLAN	SCALE : 3" = 1'-0"	1
		 <p>18" (LOW END) t = 10 GA Fy = 40 KSI Sx = 17.56 IN³ MIN. Ix = 158.10 IN⁴ MIN.</p> <p>28" (HIGH END) t = 10 GA Fy = 40 KSI Sx = 33.80 IN³ MIN. Ix = 474.00 IN⁴ MIN.</p> <p>REF: S2.01, S2.02, S2.03</p>		 <p>REF: S2.01, S2.02, S2.03</p>		 <p>REF: S2.50</p>				
NOT USED	17	ROOF HEADER	SCALE : NTS	12	BEAM SPLICE	SCALE : 3" = 1'-0"	7	COLUMN AT ROOF - SECTION	SCALE : 3" = 1'-0"	2
		 <p>18" t = 10 GA Fy = 40 KSI Sx = 17.56 IN³ Ix = 158.10 IN⁴</p> <p>28" t = 10 GA Fy = 40 KSI Sx = 33.80 IN³ Ix = 474.00 IN⁴</p> <p>REF: S2.01, S2.02, S2.03</p>		 <p>REF: S2.01, S2.02, S2.03</p>		 <p>REF: S2.50</p>				
NOT USED	18	SIDE BEAM	SCALE : NTS	13	PURLIN TO ROOF BEAM @ STIFFENER	SCALE : 3"=1'-0"	8	COLUMN AT ROOF OVERHANG	SCALE : 3" = 1'-0"	3
		 <p>REF: S2.01, S2.02, S2.03</p>		 <p>REF: S2.01, S2.02, S2.03</p>						
NOT USED	19	SIDEWALL BEAM PENETRATION	SCALE : 1 1/2"=1'-0"	14	MODULE CONNECTION AT ROOF (OPTION)	SCALE : 3"=1'-0"	9	NOT USED		4
		 <p>REF: S2.01, S2.02, S2.03, S2.50</p>		 <p>REF: S2.01, S2.02, S2.03</p>		 <p>REF: S2.01, S2.02, S2.03</p>				
NOT USED	20	WEB OPENING AT ROOF BEAM (OPTION)	SCALE : 3" = 1'-0"	15	OPENING AT ROOF BEAM (OPTION)	SCALE : 1 1/2" = 1'-0"	10	OPENING AT HEADER	SCALE : 1 1/2"=1'-0"	5

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122742 INC:
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SS ☒ FLS ☒ ACS ☒
DATE: 02/17/2026

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PROJECT NAME:
**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

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

REVISIONS

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

MODULAR BUILDING DESIGN PROFESSIONAL

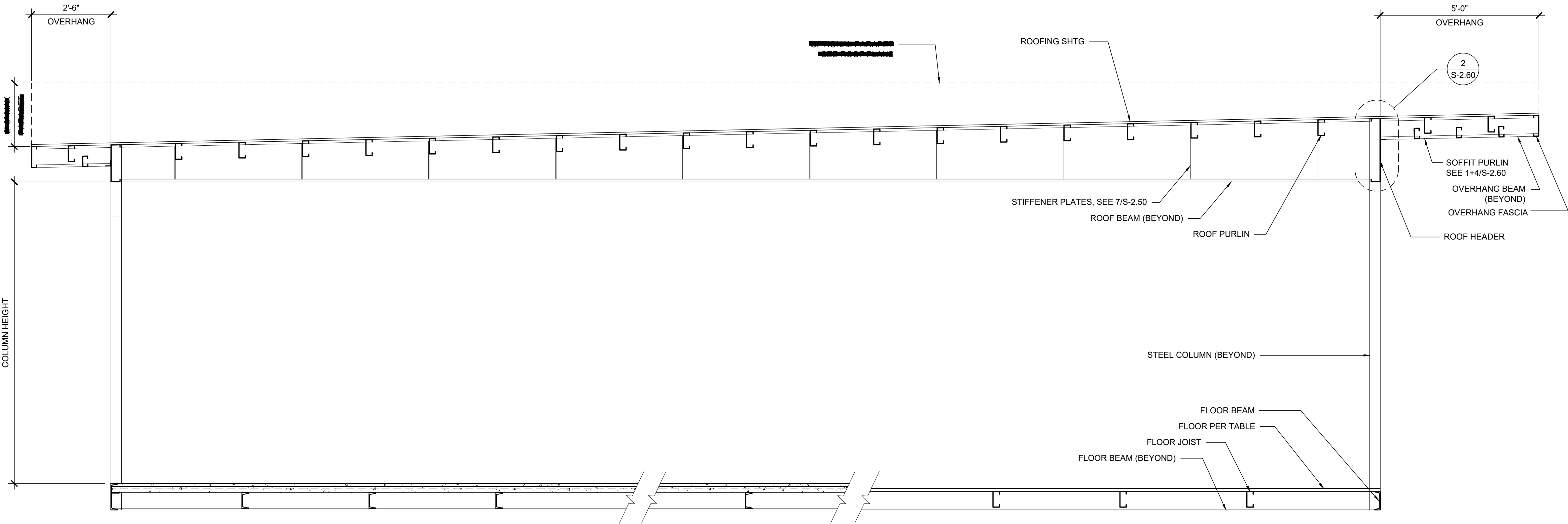


SILVER CREEK INDUSTRIES
24' x 40' PC

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

S-2.50

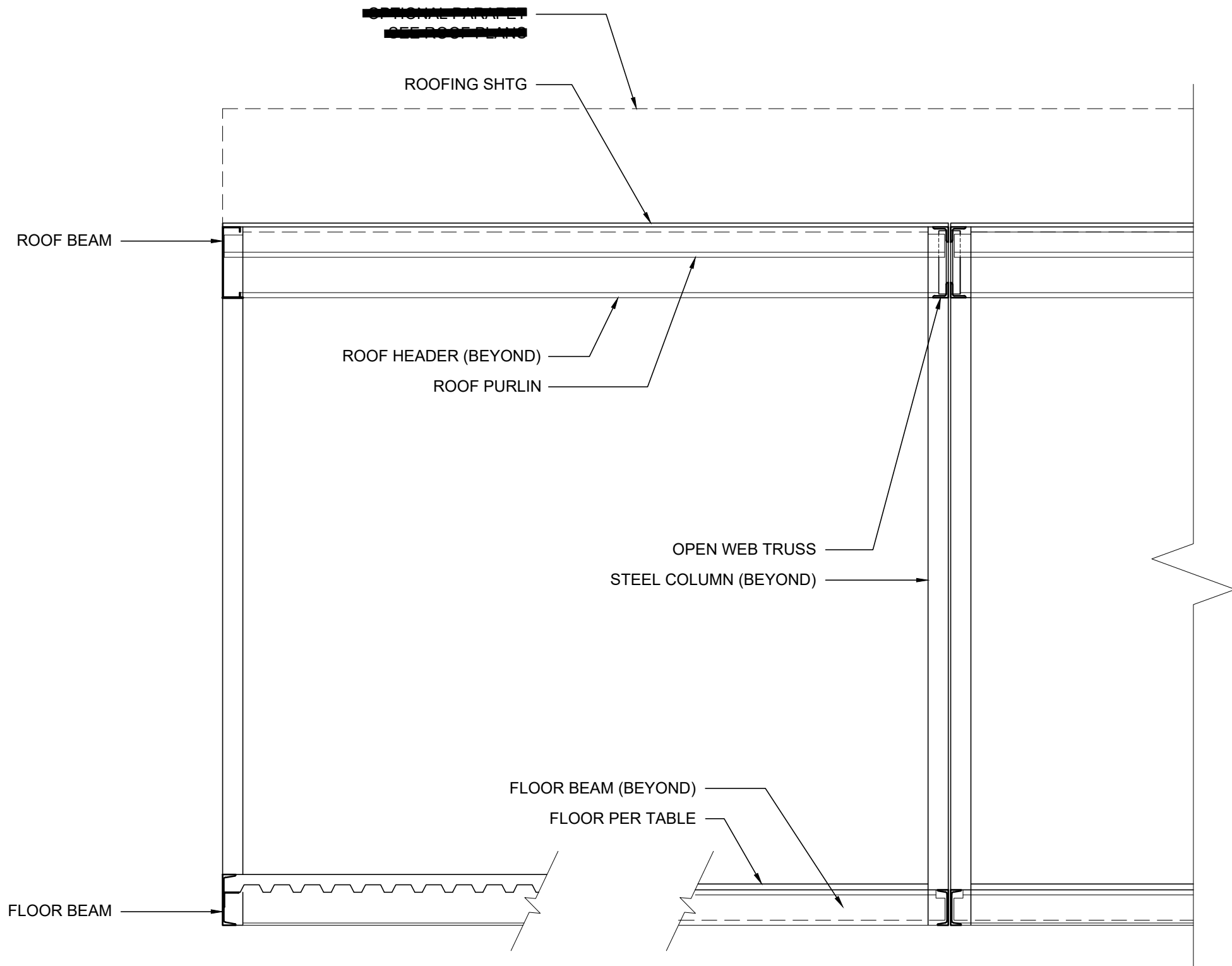
S-2.90



BUILDING SECTION

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

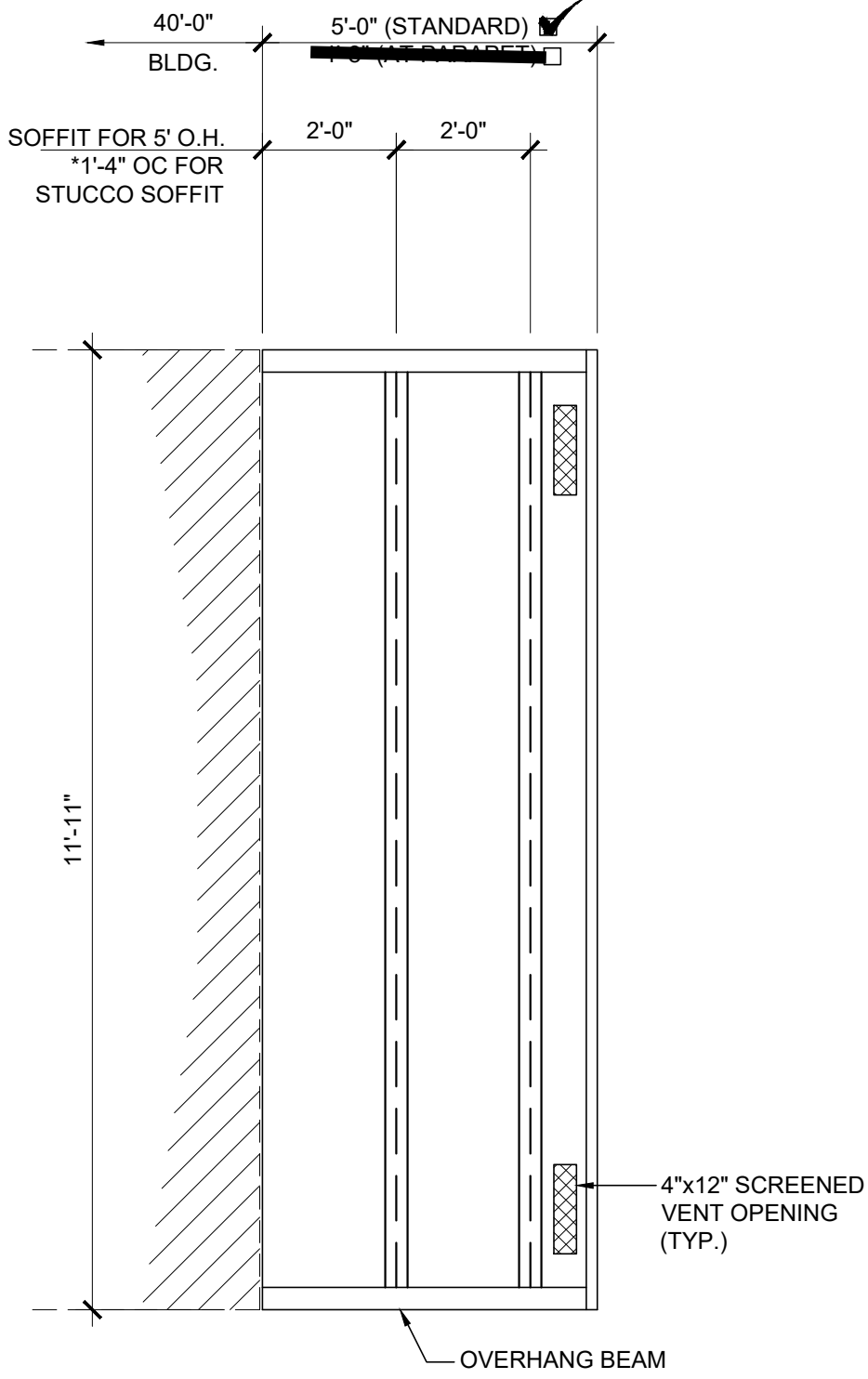
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BUILDING SECTION

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

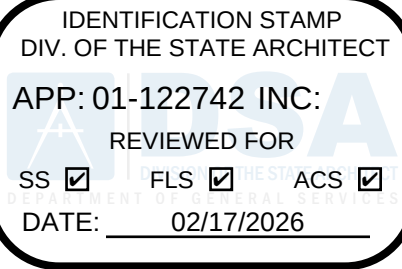
- ☐ WOOD FLOOR
☒ CONCRETE FLOOR

HSS COLUMN SCHEDULE

COLUMN HEIGHT	NO PARAPET	ROOF W/ PARAPET
☐ 9'-0"	☐ 6 x 6 x 1/4	☒ 6 x 6 x 1/4 *
☒ 9'-6"	☒ 6 x 6 x 1/4	☐ 6 x 6 x 1/4 *
☐ 10'-0"	☐ 6 x 6 x 1/4	☐ 6 x 6 x 1/4 *
☐ 10'-6"	☐ 6 x 6 x 1/4	☒ 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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TK-CLASSROOM

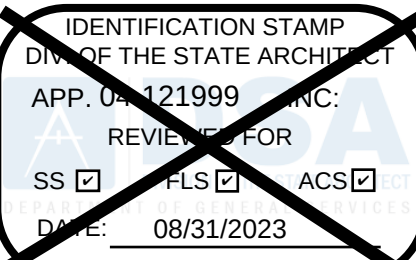
SHEET TITLE:

BUILDING SECTIONS
MONO SLOPE

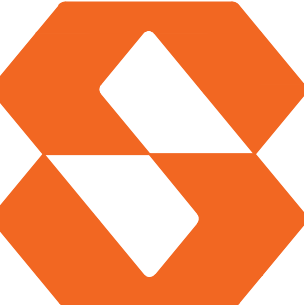
REVISIONS

1	
2	
3	
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MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

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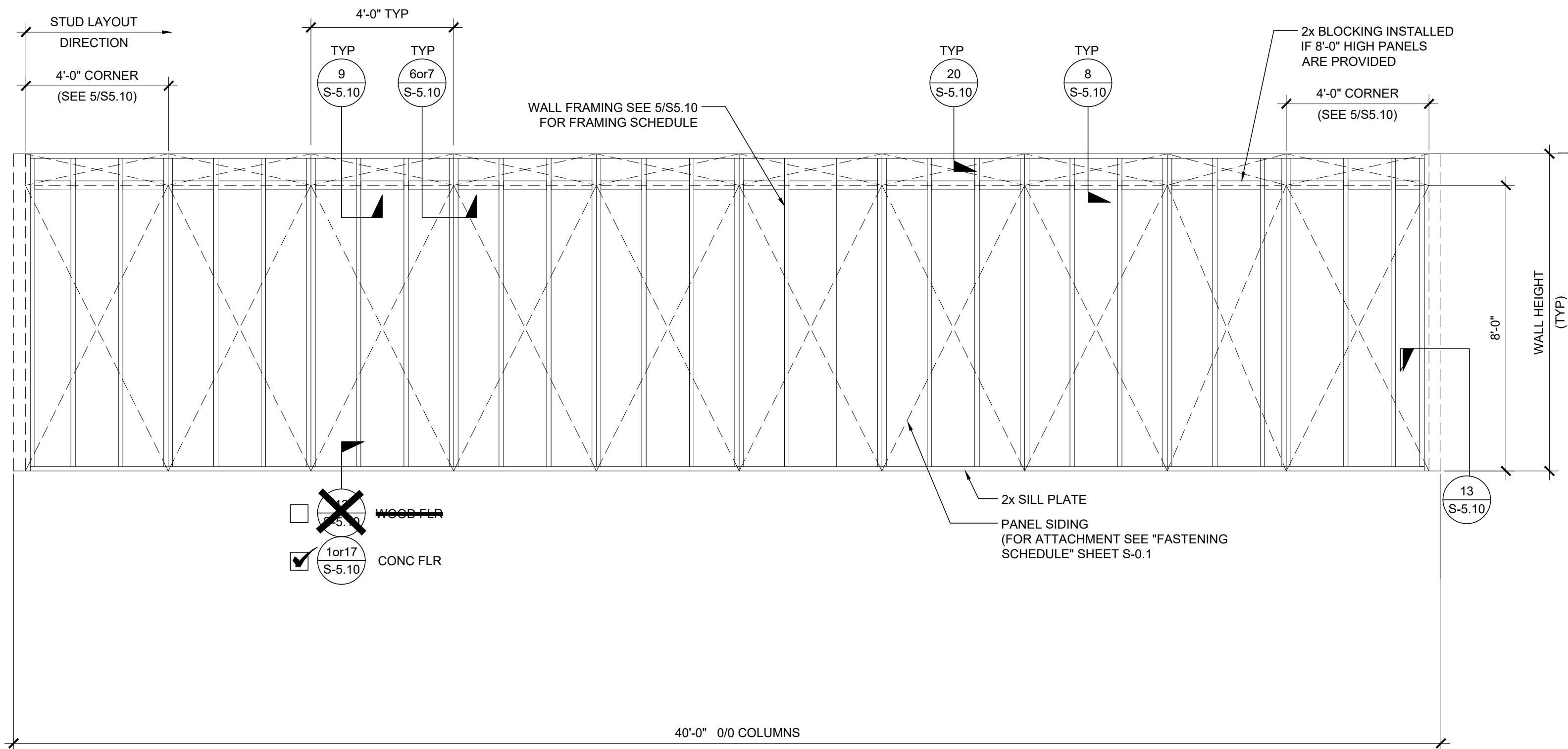
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SCALE: AS NOTED

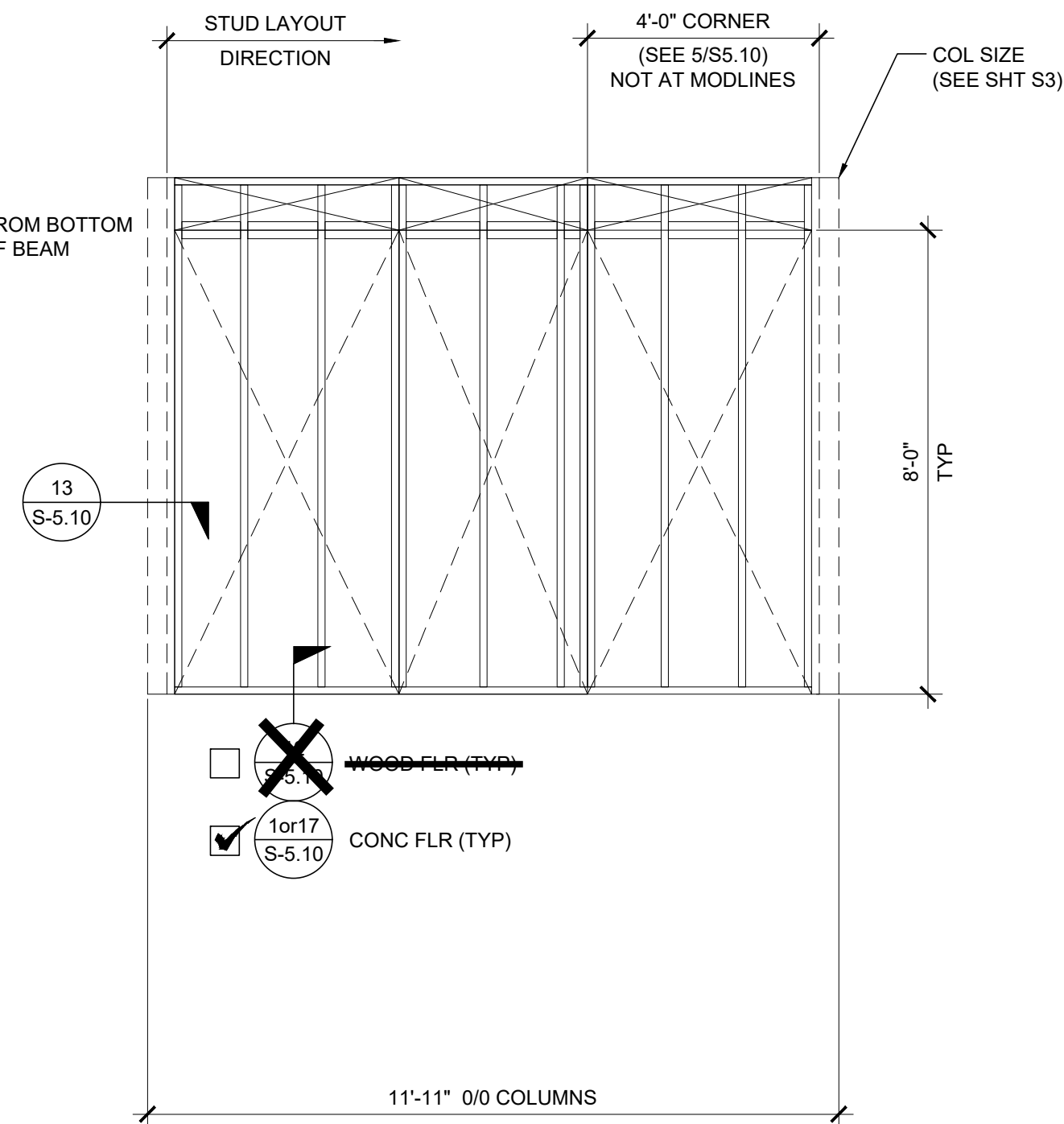
DATE: 02-27-2023

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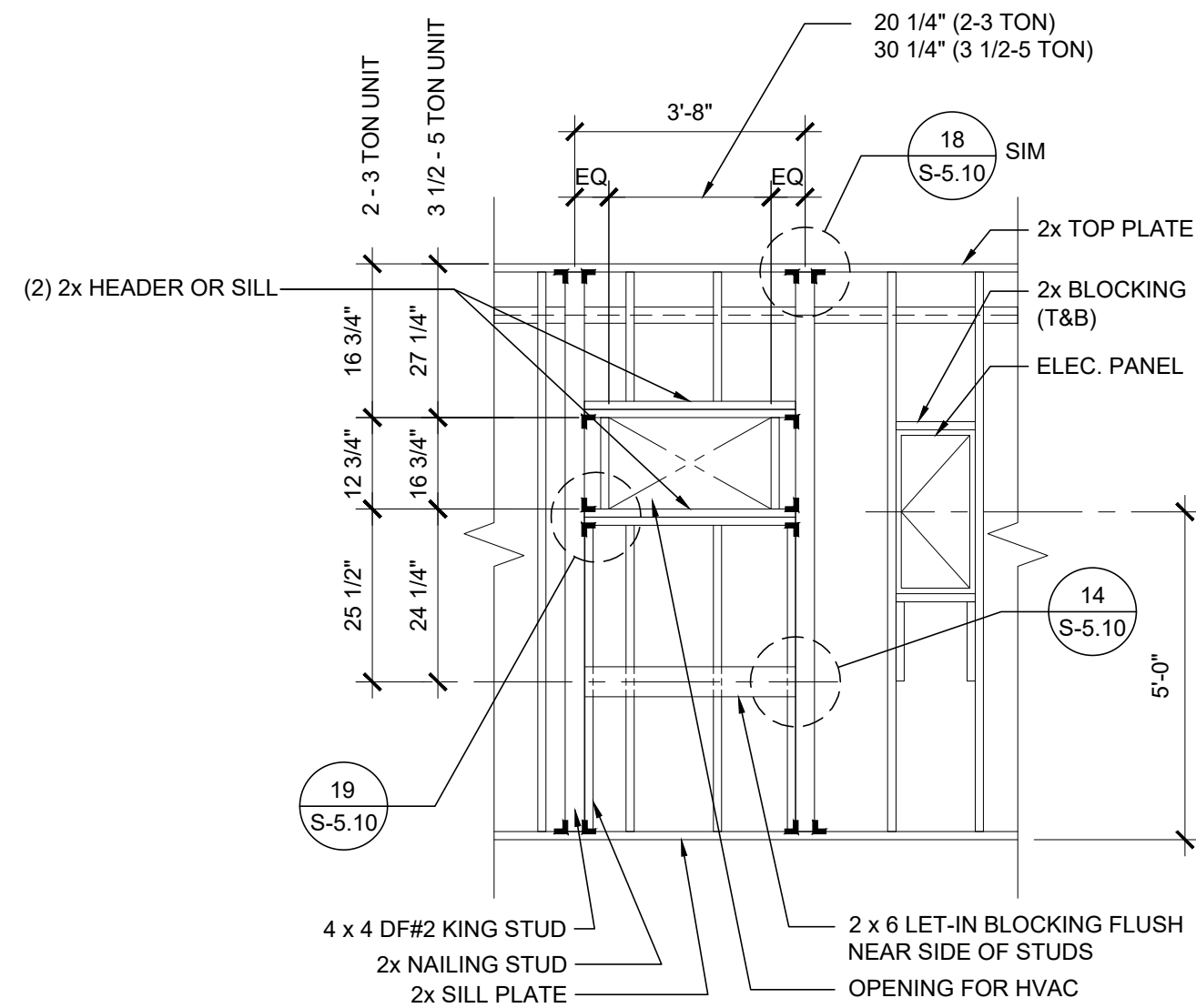
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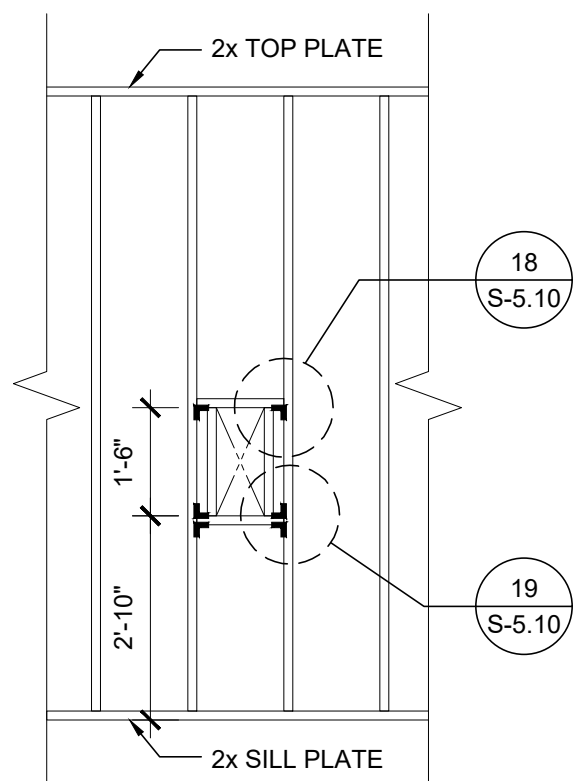
TYPICAL SIDE WALL



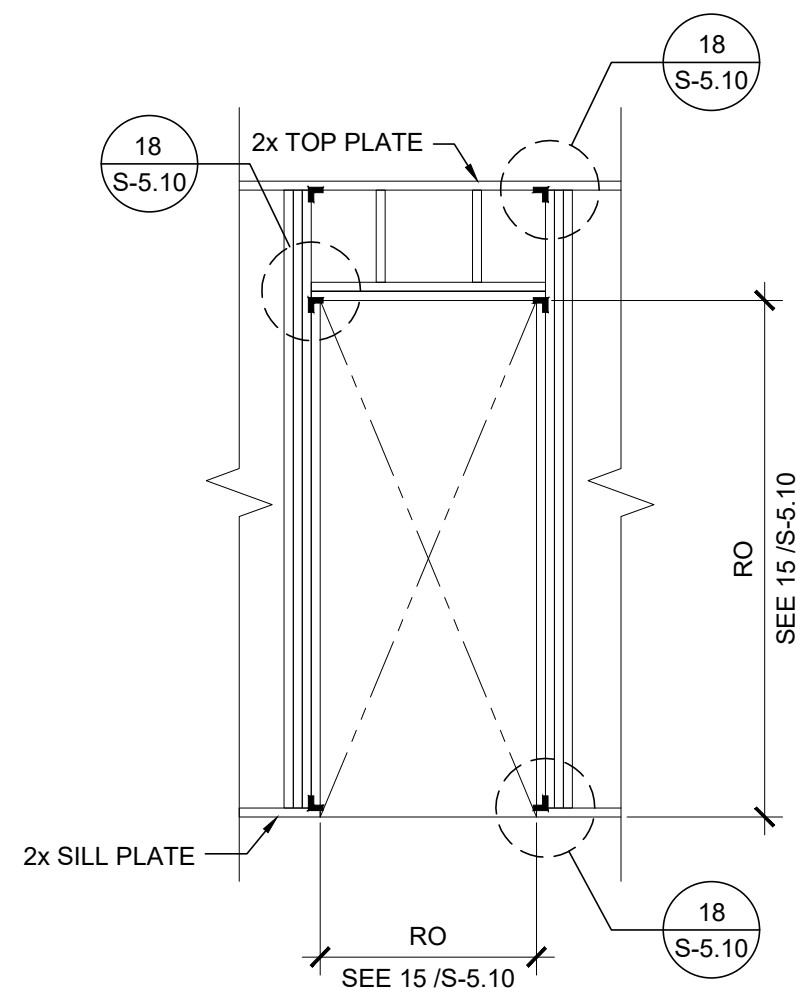
TYPICAL END WALL



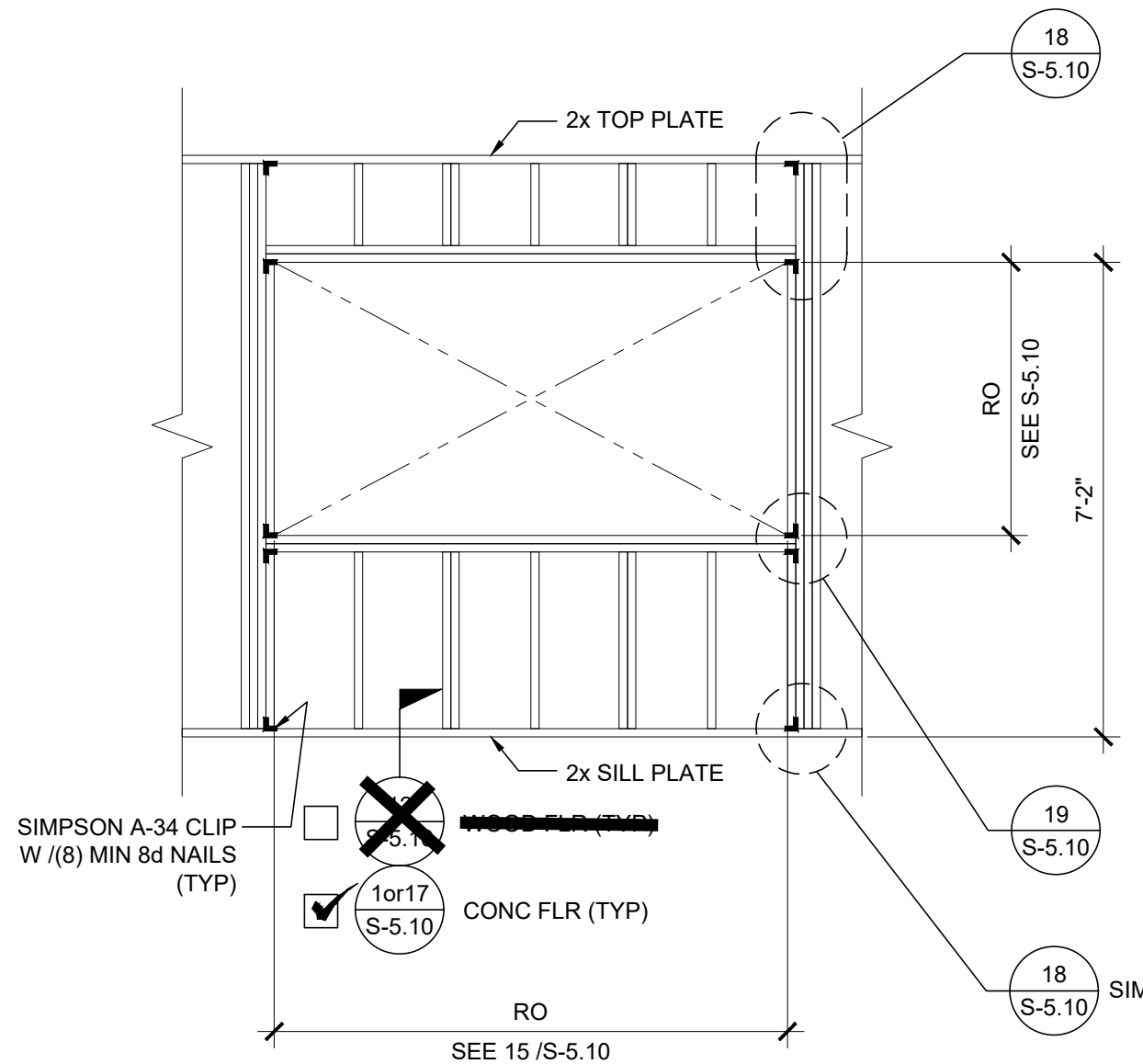
TYPICAL HVAC



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.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122742 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 02/17/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

WALL FRAMING
ELEVATIONS
WOOD STUDS

REVISIONS

1
2
3
4
5

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121999 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 08/31/2023

PC STATE AGENCY APPROVAL



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

S-5.00



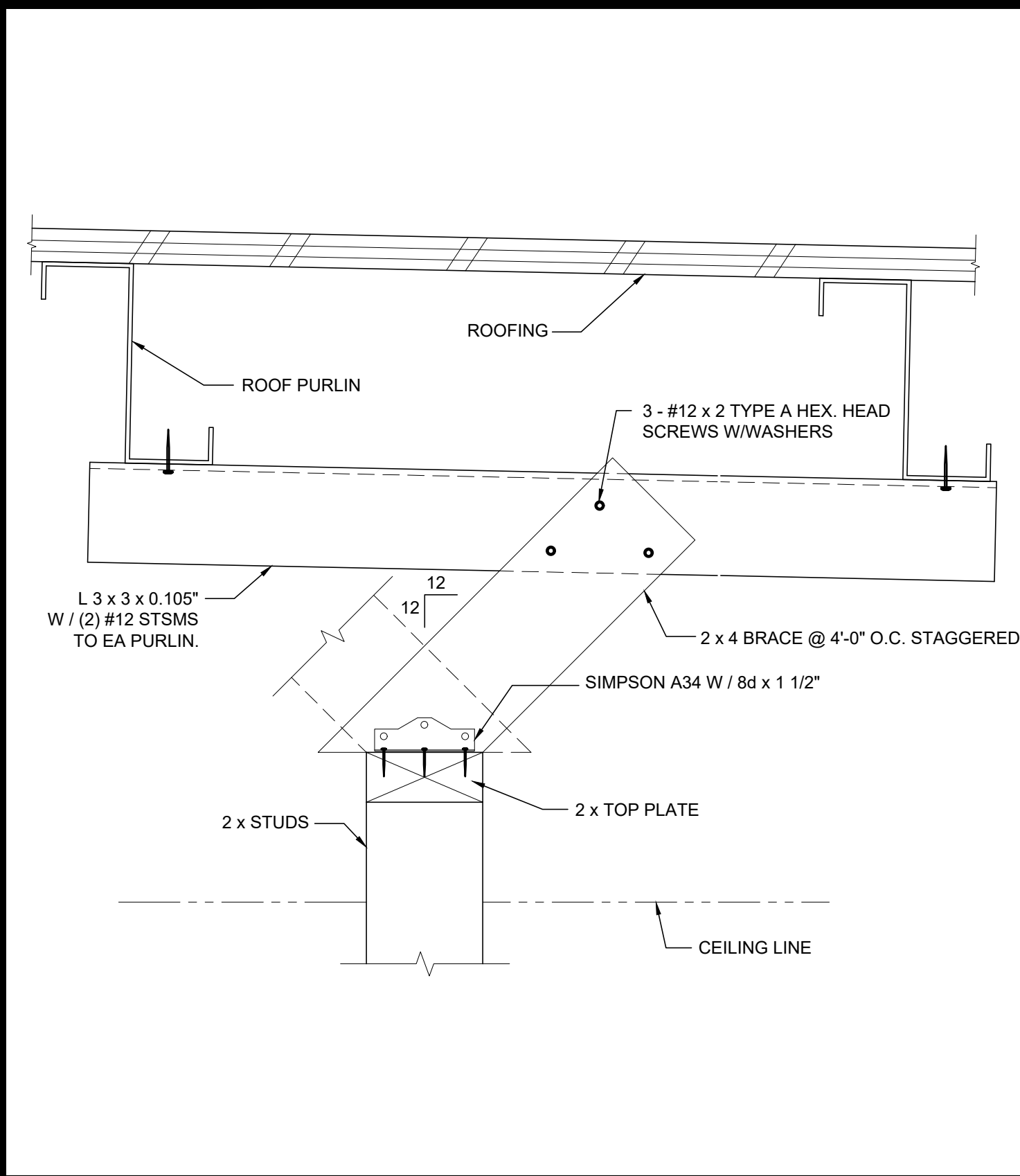
18

20

15



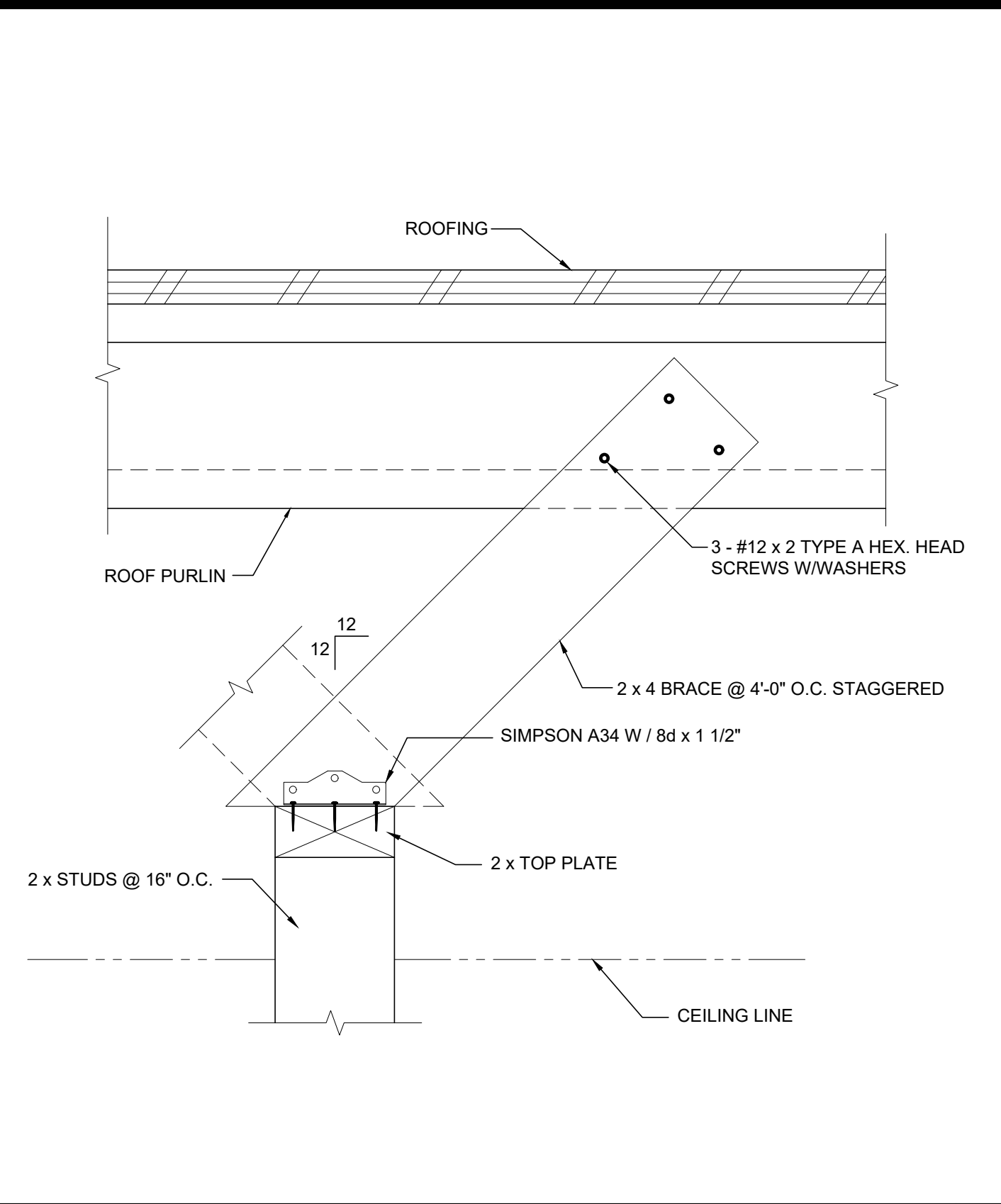
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INTERIOR PARTITION

SCALE : 3" = 1'-0"

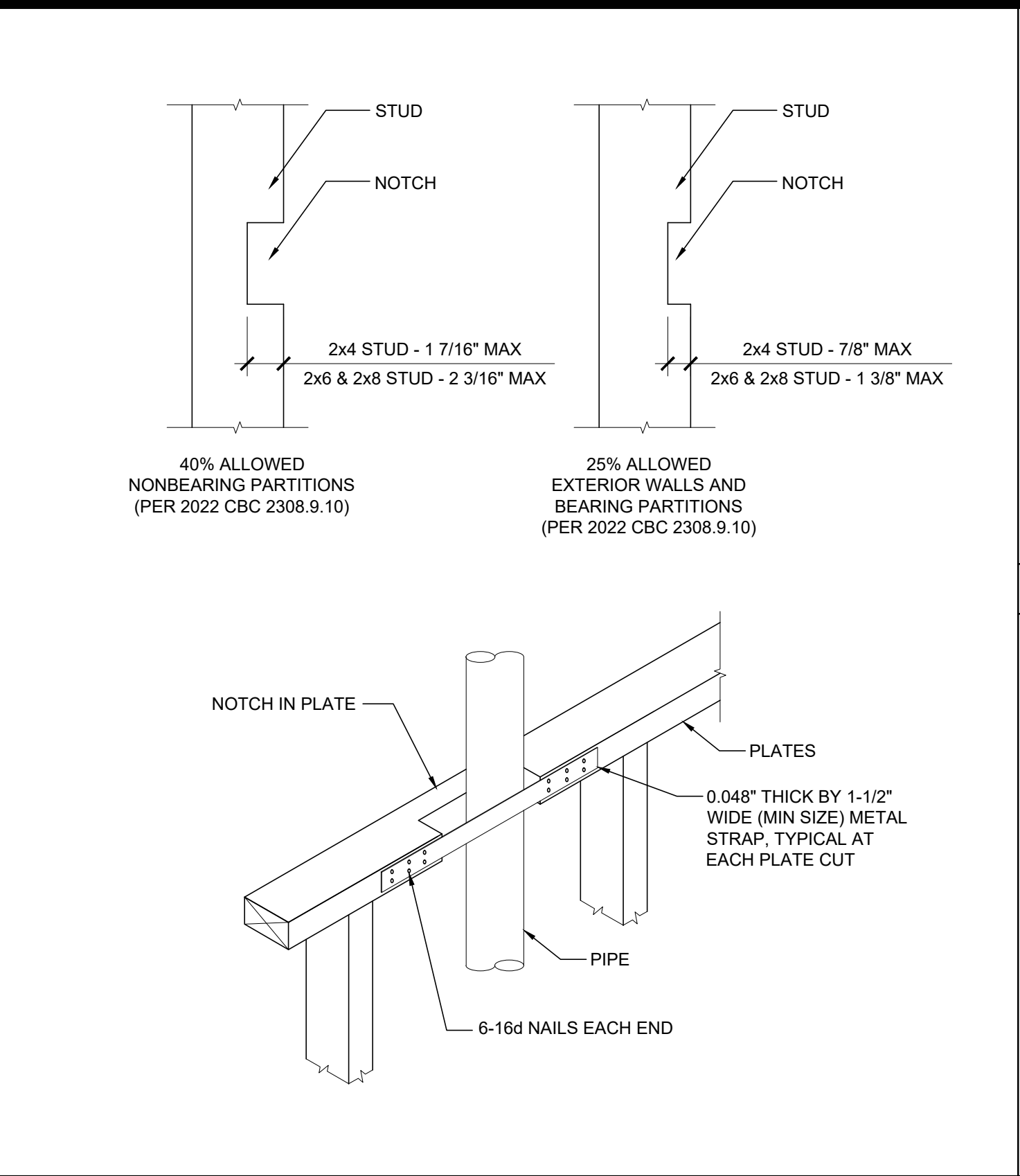
14



INTERIOR PARTITION

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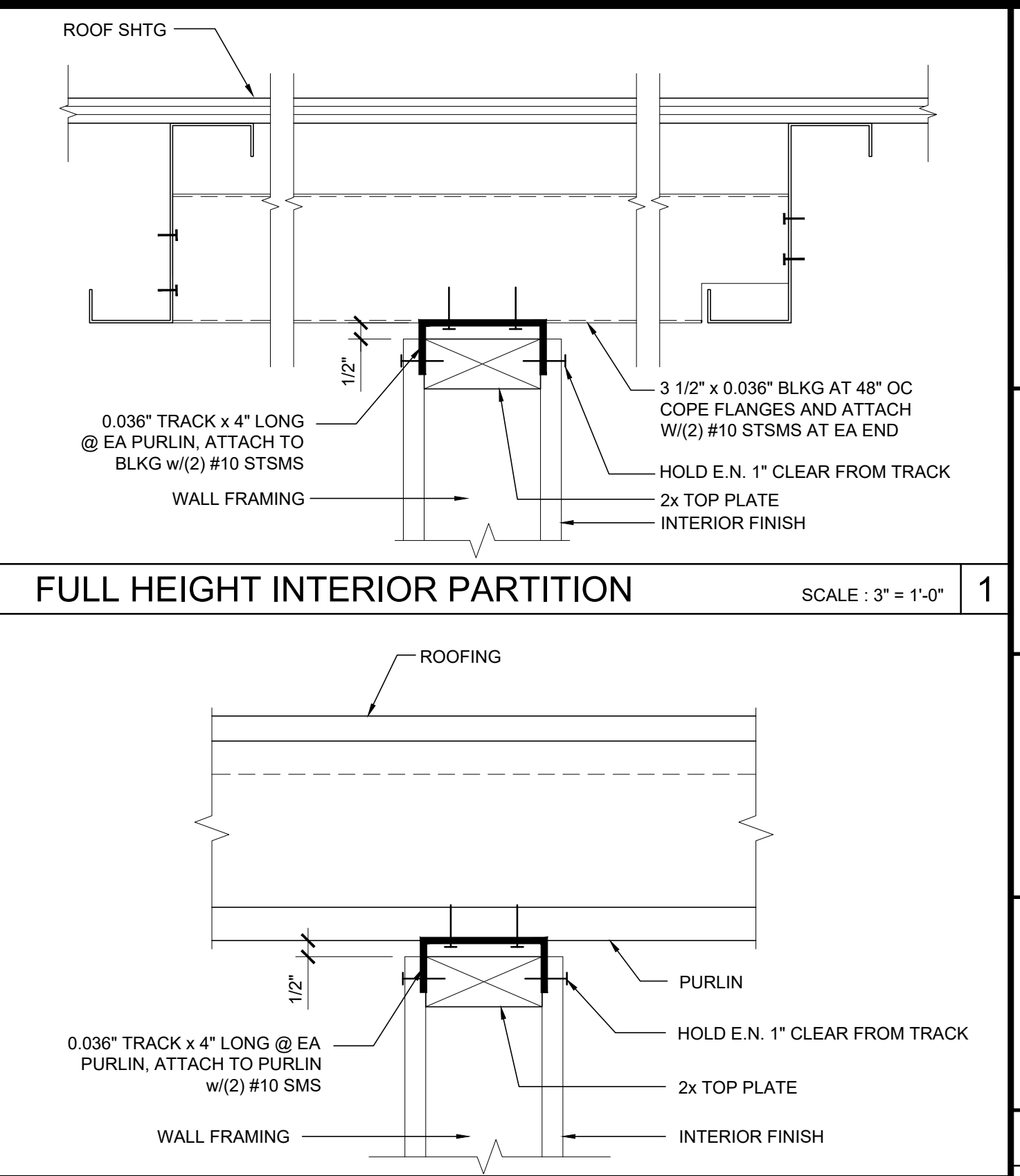
12



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

NOTE:
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

15

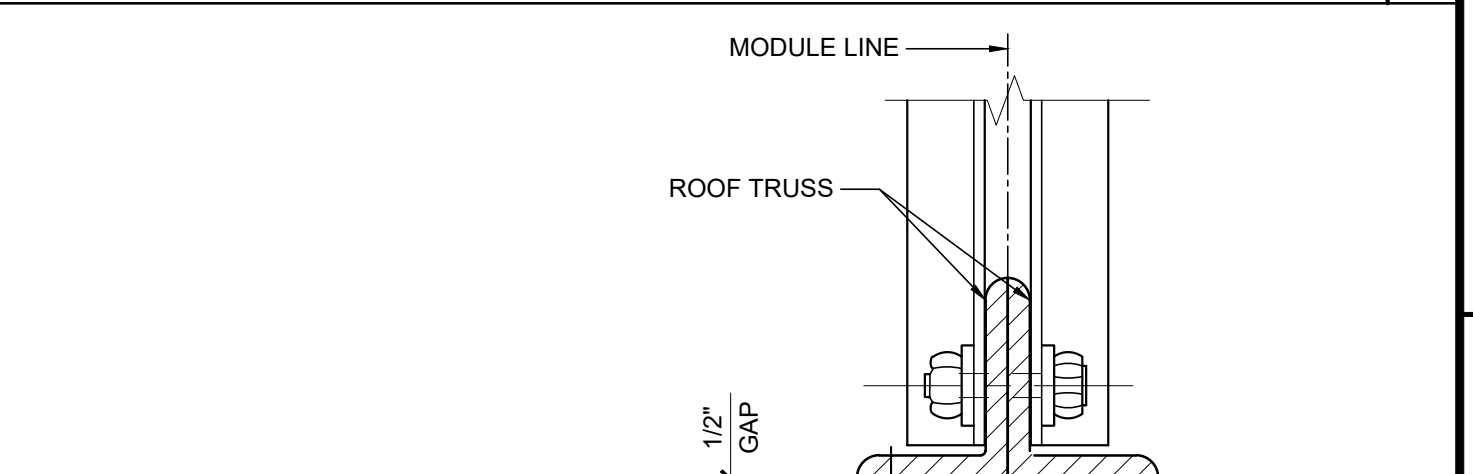
COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
UP TO 10'-6"	3070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	4070	NO PLASTER	(1)	2X8	HF	#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

NOT USED

9

NOT USED

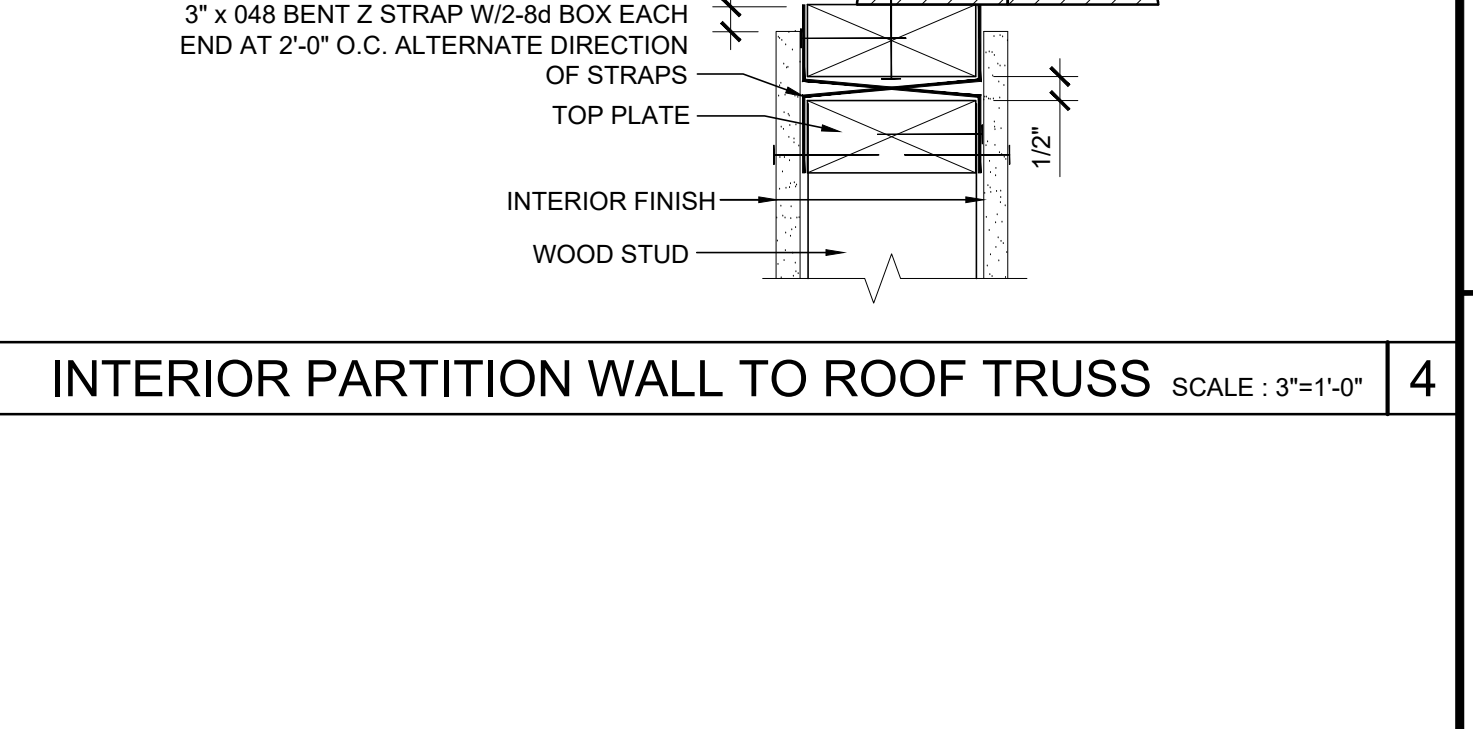
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INTERIOR PARTITION WALL TO ROOF BEAM

SCALE : 3"=1'-0"

3



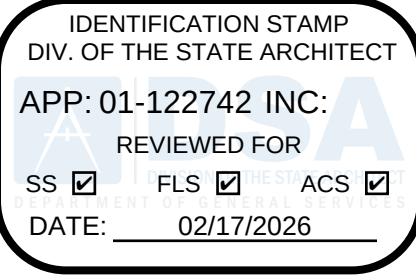
INTERIOR PARTITION WALL TO ROOF TRUSS

SCALE : 3"=1'-0"

4

INTERIOR PARTITION WALL TO ROOF TRUSS

5



PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

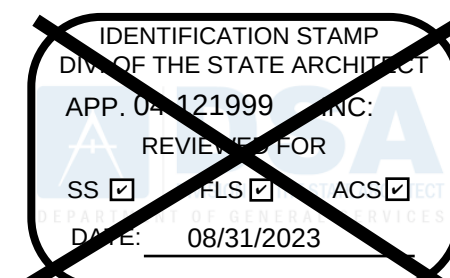
S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

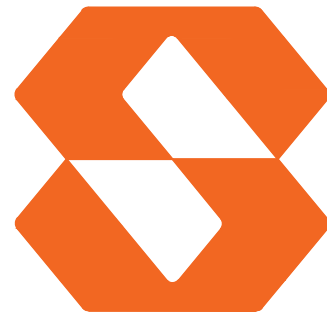
WALL FRAMING
DETAILS
WOOD STUDS

REVISIONS

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CODE: 2022 CBC
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PC STATE AGENCY APPROVAL



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

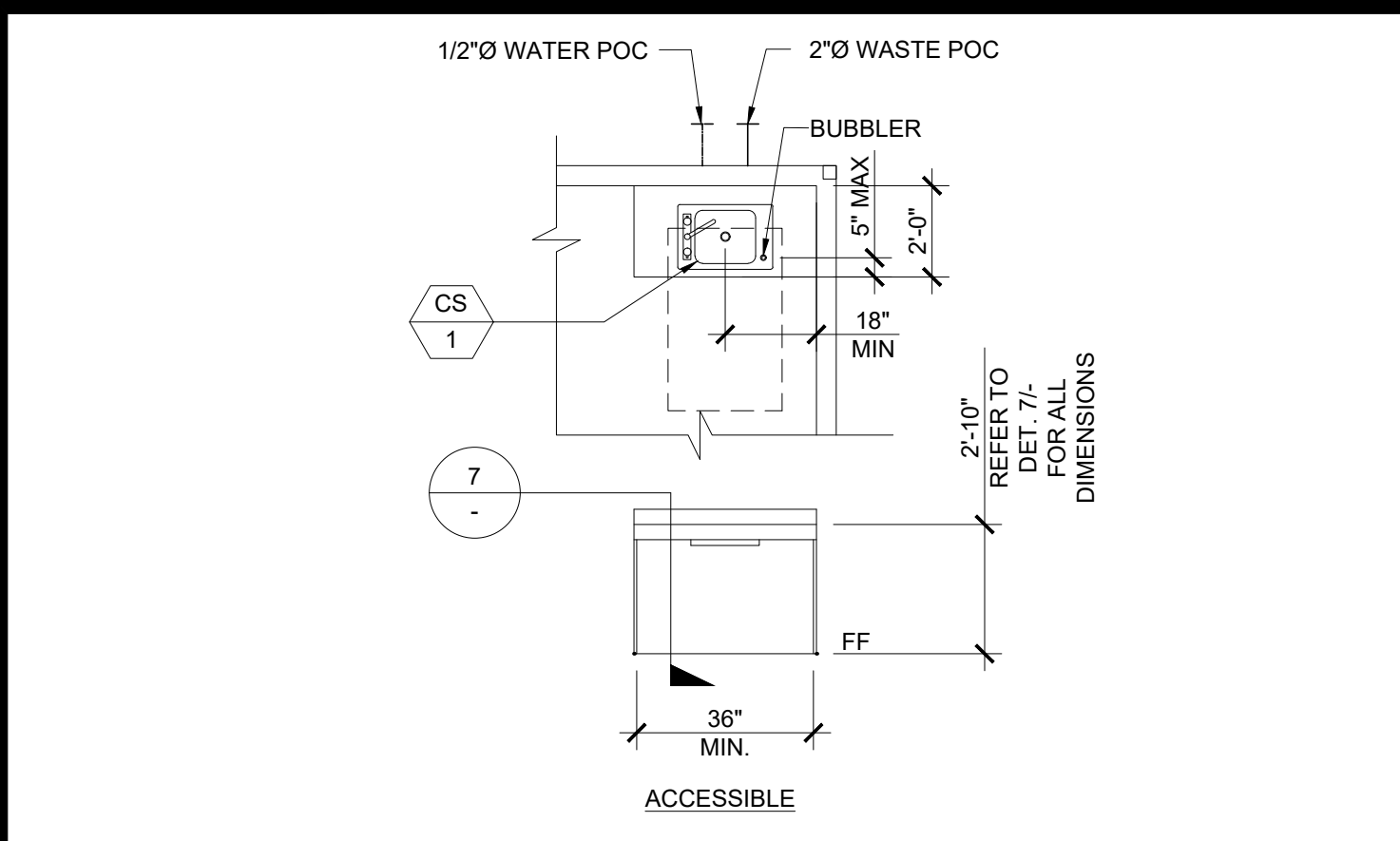
DRAWN BY:

SCALE: AS NOTED

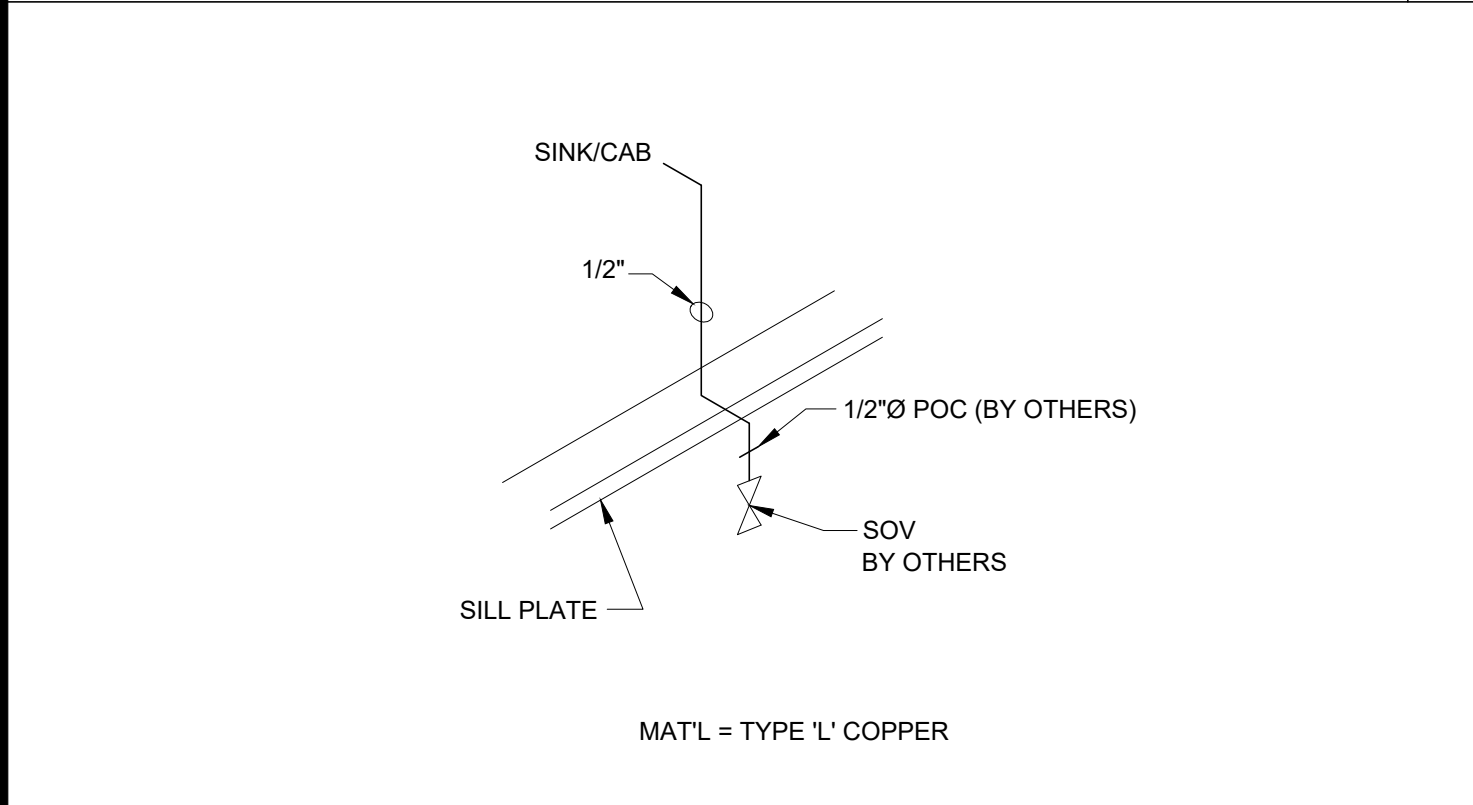
DATE: 02-27-2023

P.C. SHEET NUMBER

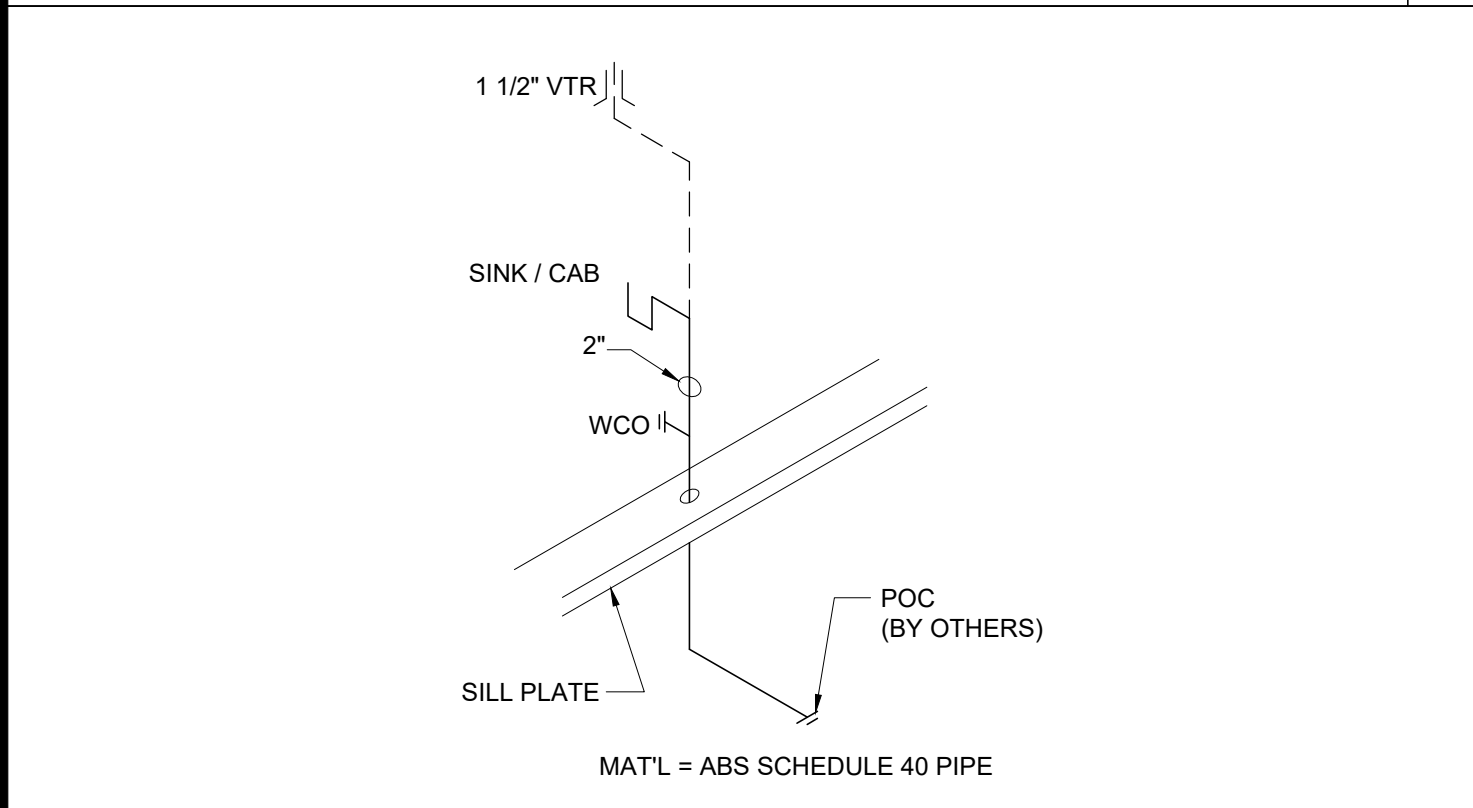
S-5.11



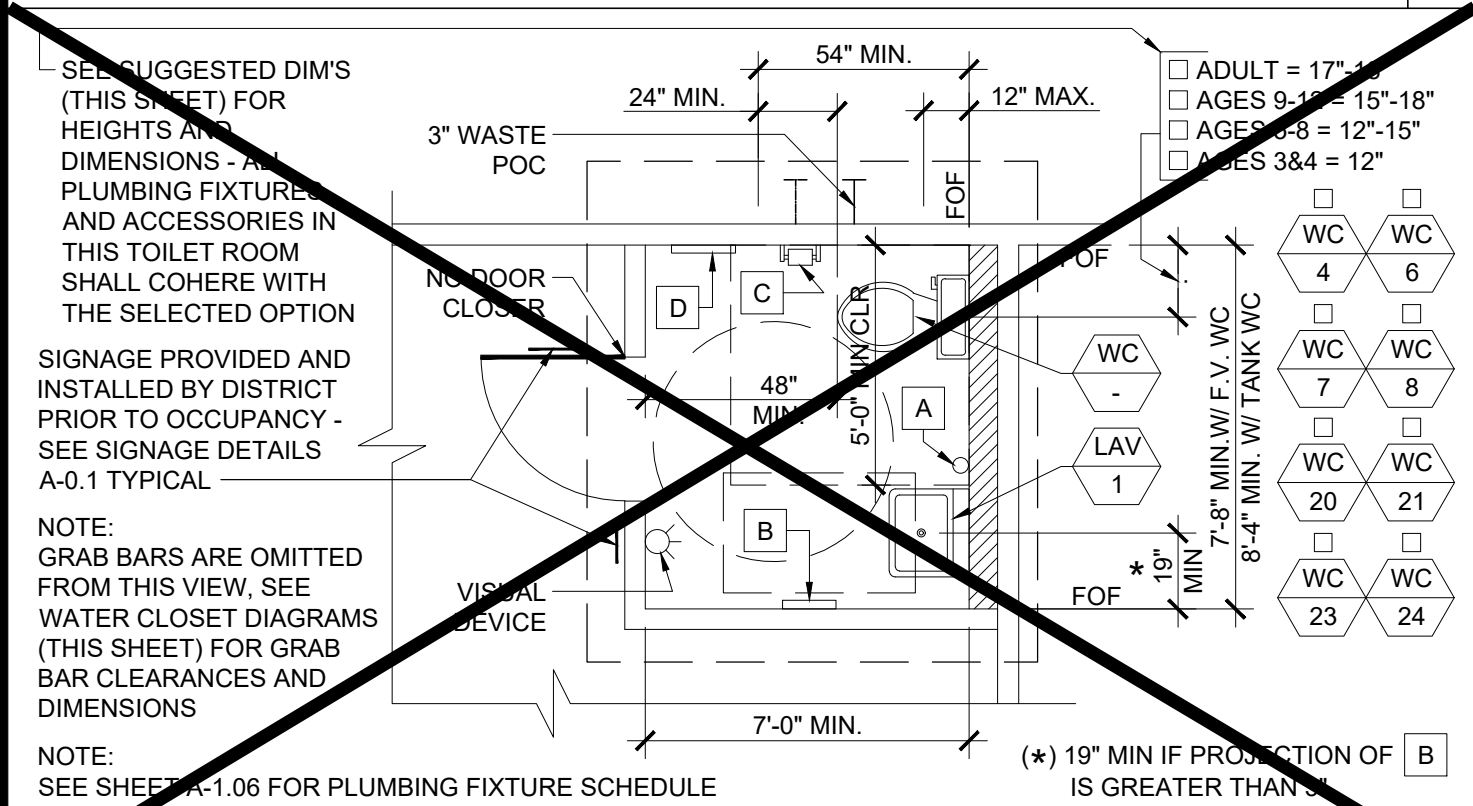
TYPICAL SINK CABINET



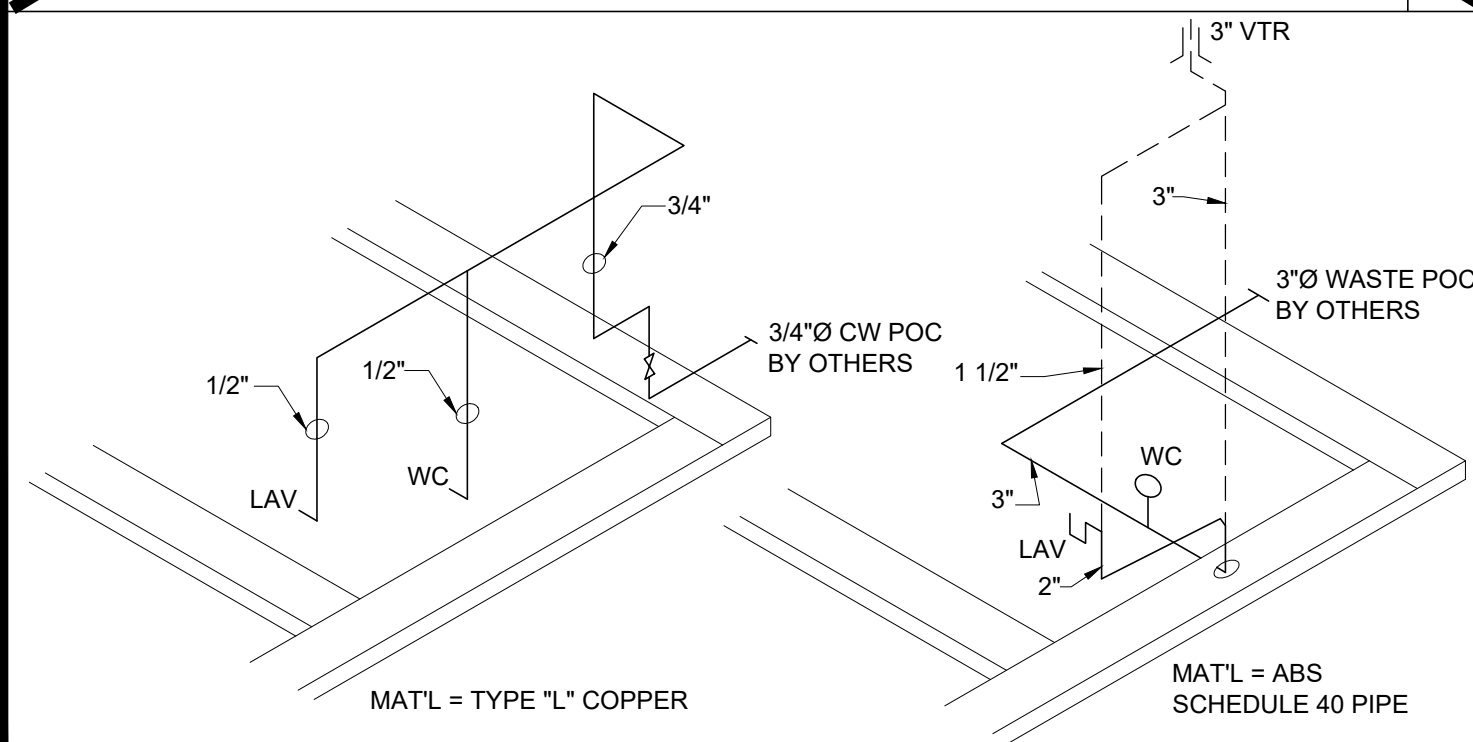
SINK CABINET COLD WATER SUPPLY



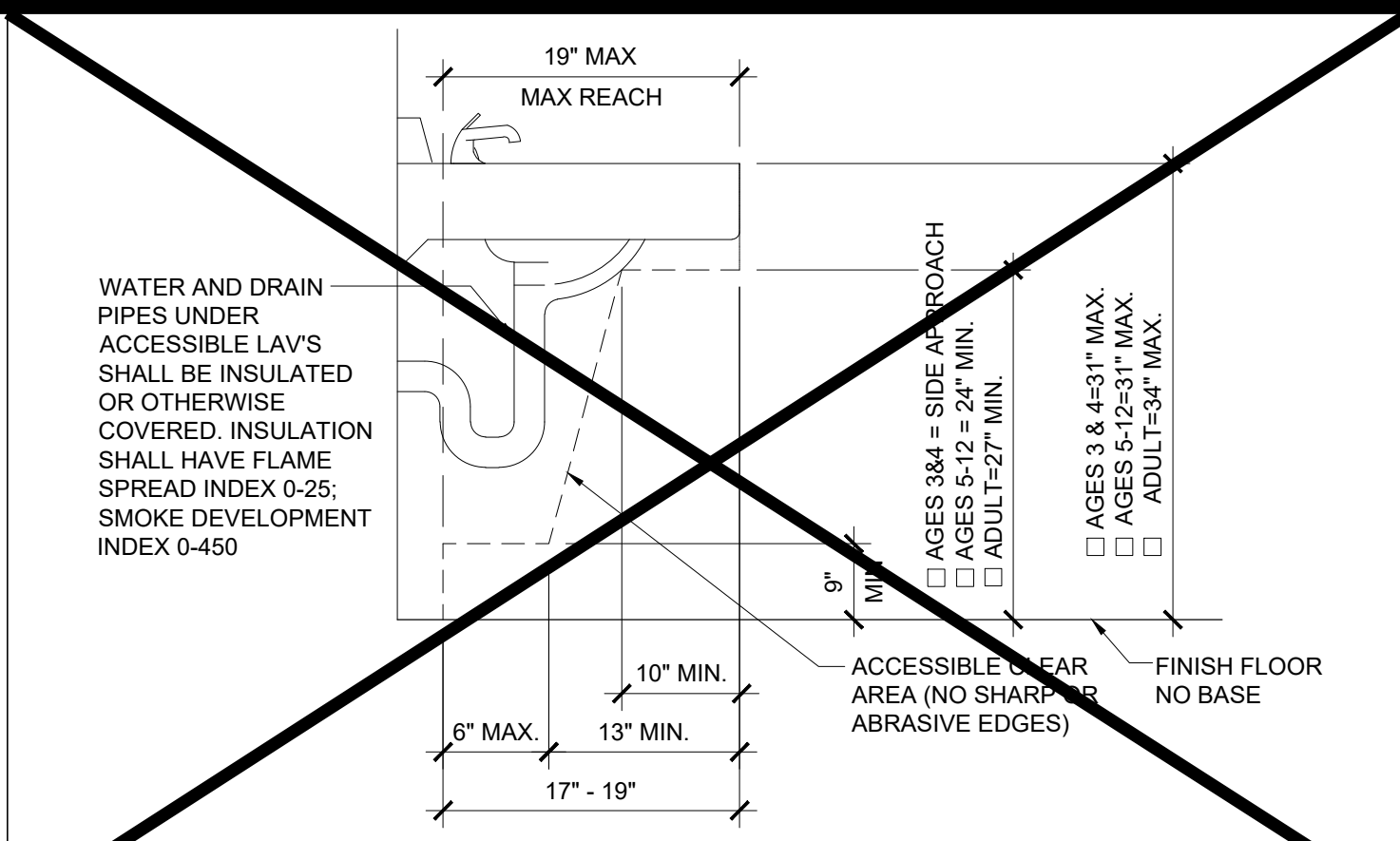
SINK CABINET WASTE



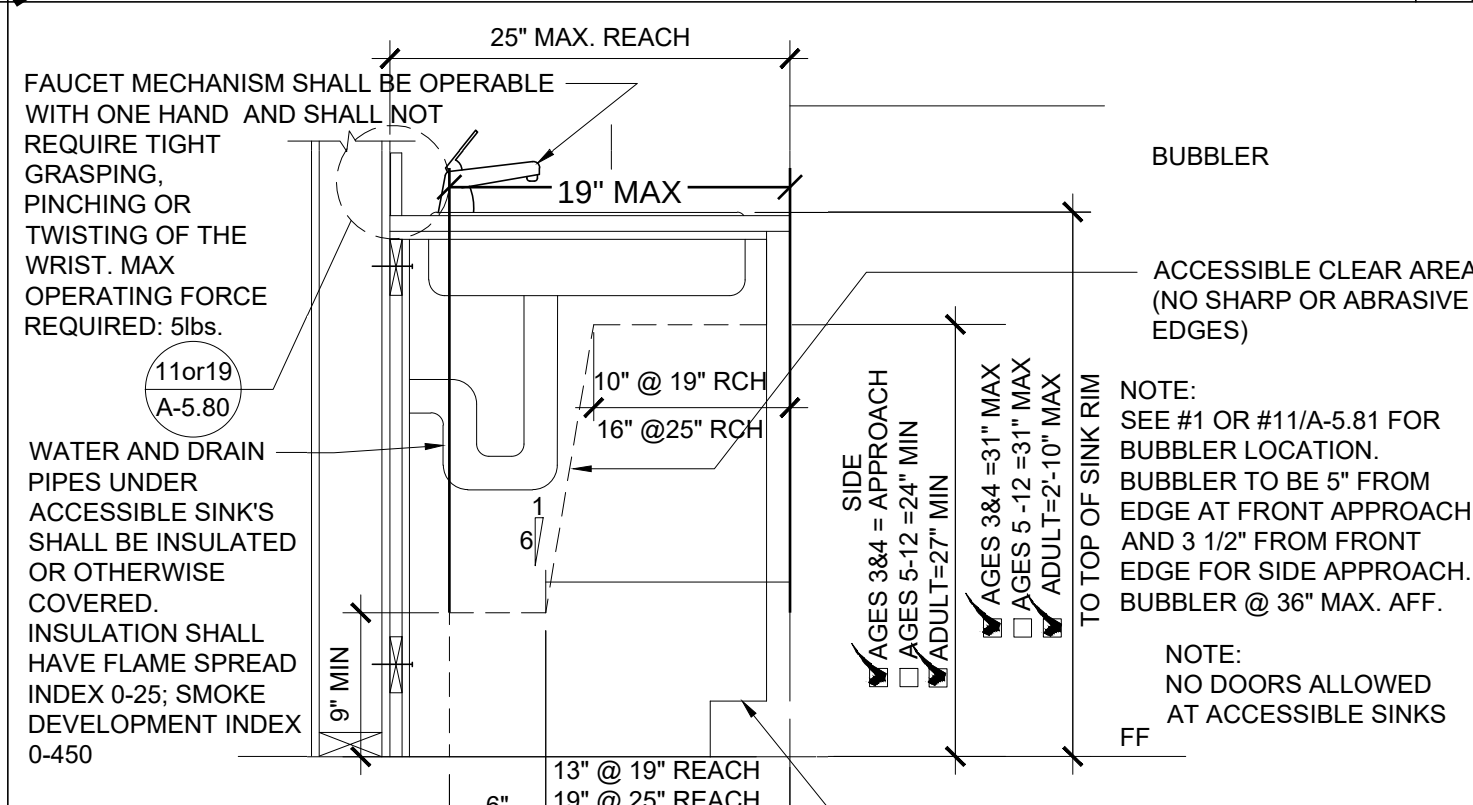
TYPICAL TOILET ROOM PLAN



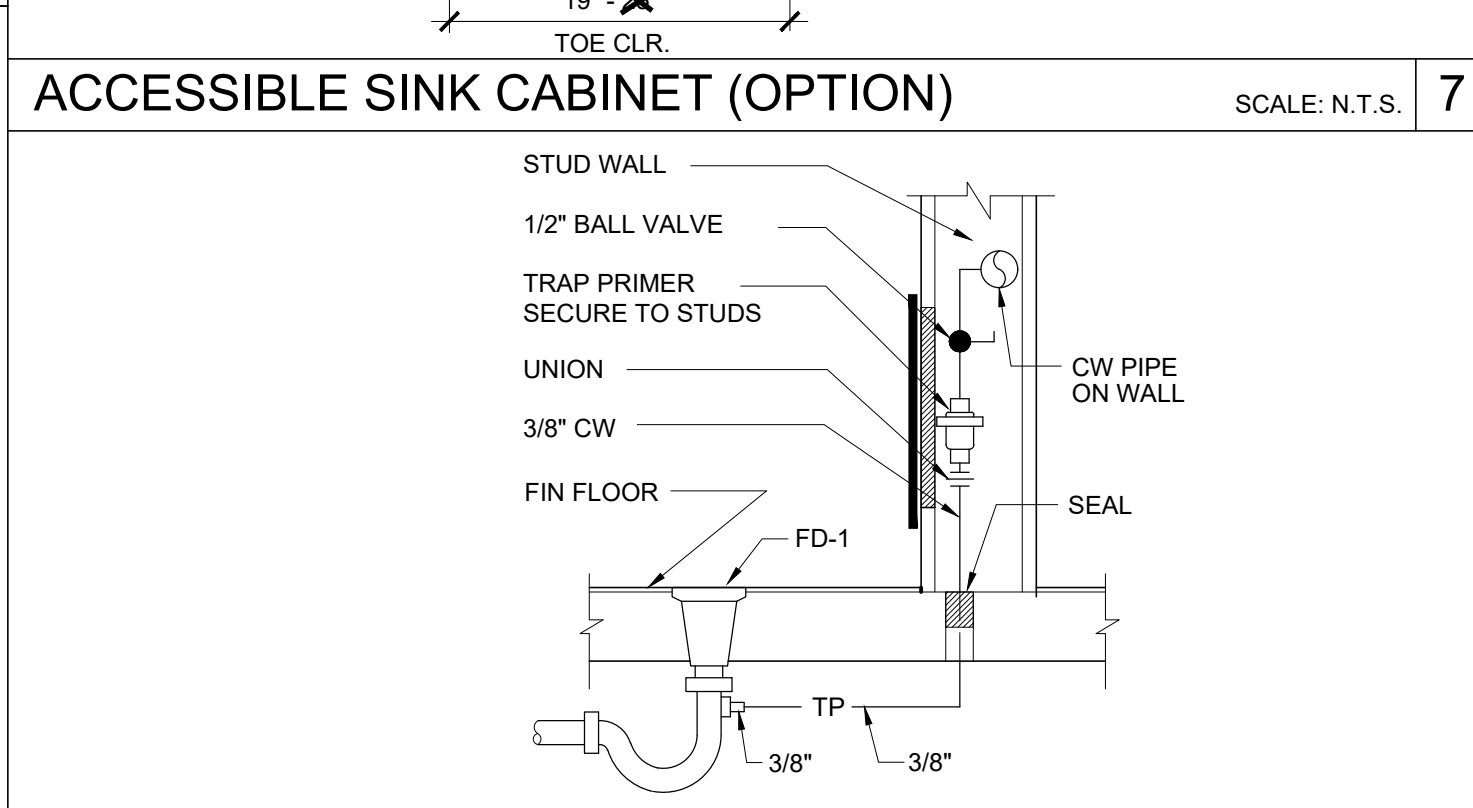
TOILET ROOM COLD WATER SUPPLY AND WASTE



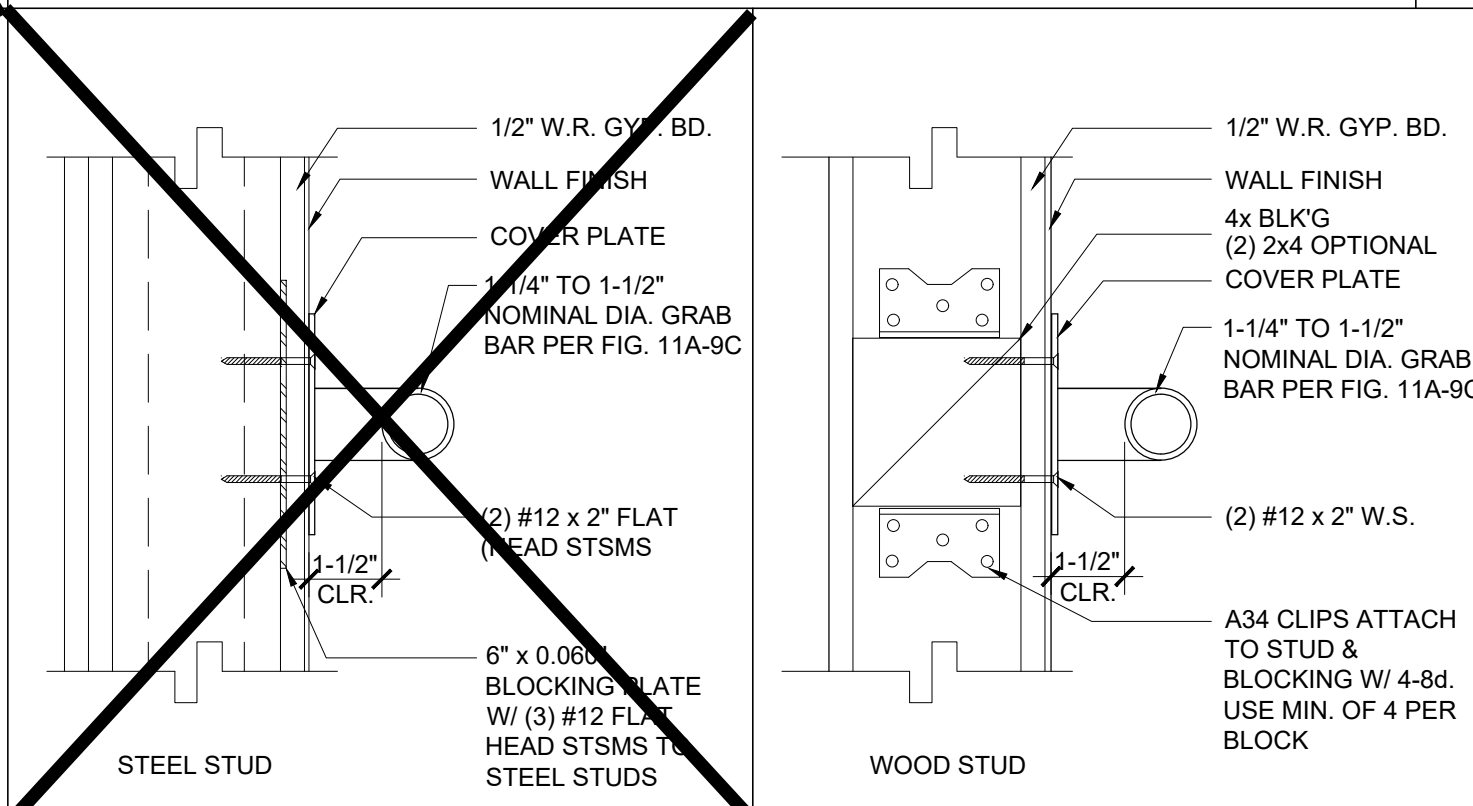
ACCESSIBLE LAV CLEARANCE



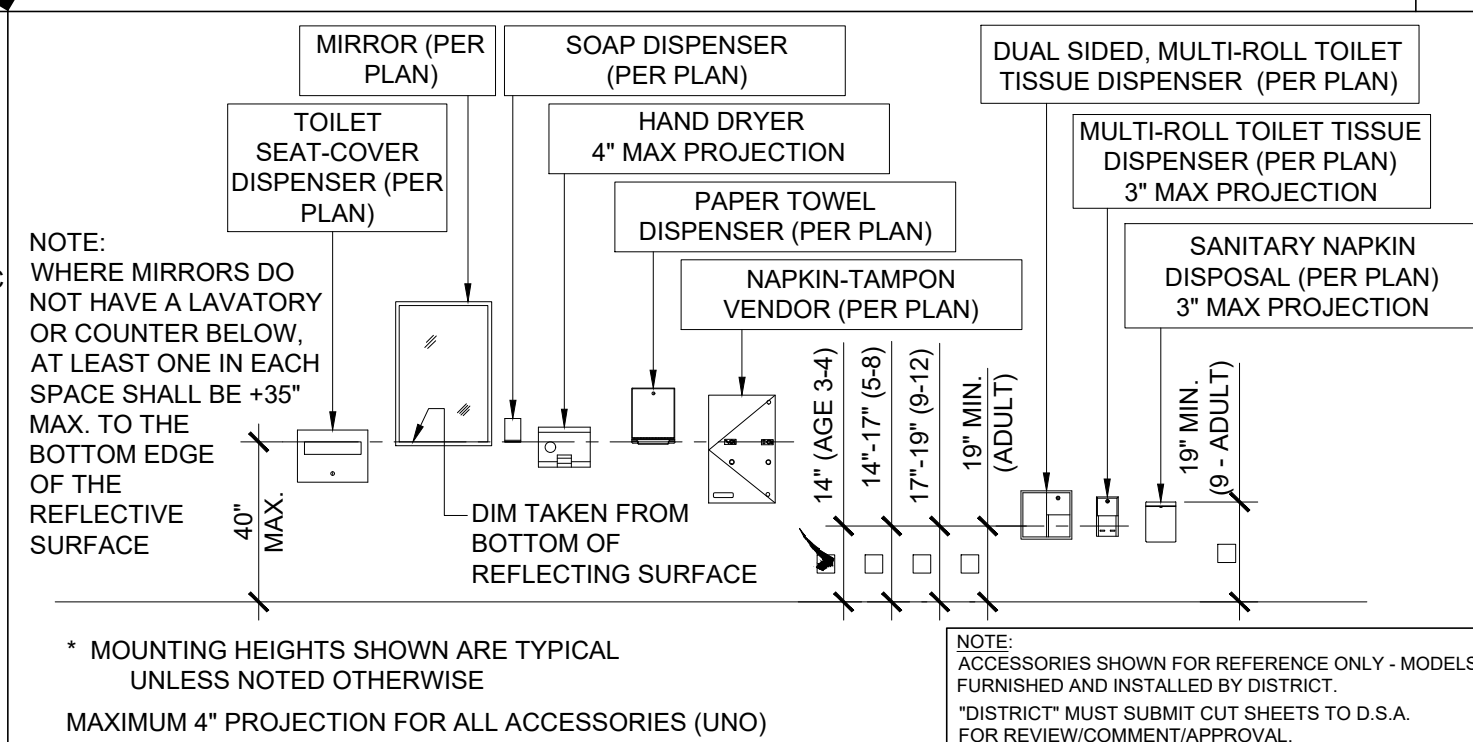
ACCESSIBLE SINK CABINET (OPTION)



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	**	**	N/A	N/A
MIRROR HEIGHT (TO BOTTOM OF GLASS)	40" MAX.	40" MAX.	36" MAX.	36" MAX.
DISPENSER HEIGHT	19" MIN.	17" MIN.	14" MIN.	14"
LAVATORY/SINK TOP HEIGHT	34" MAX.	31" MAX.	31" MAX.	24" MAX.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.	27" MIN.	27" MIN.	24" MAX.
URINAL LIP HEIGHT	17" MAX.	17" MAX.	15" MAX.	15" MAX.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	44" MAX.	37" MAX.	37" MAX.
DRINKING FOUNTAIN BUBBLER HT. (LOW)	36" MAX.	30" MAX.	30" MAX.	30" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	27" MIN.	27" MIN.	24" MAX.
HANDRAIL HEIGHT (TO TOP)	34" - 38"	34" - 38"	34" - 38"	34" - 38"

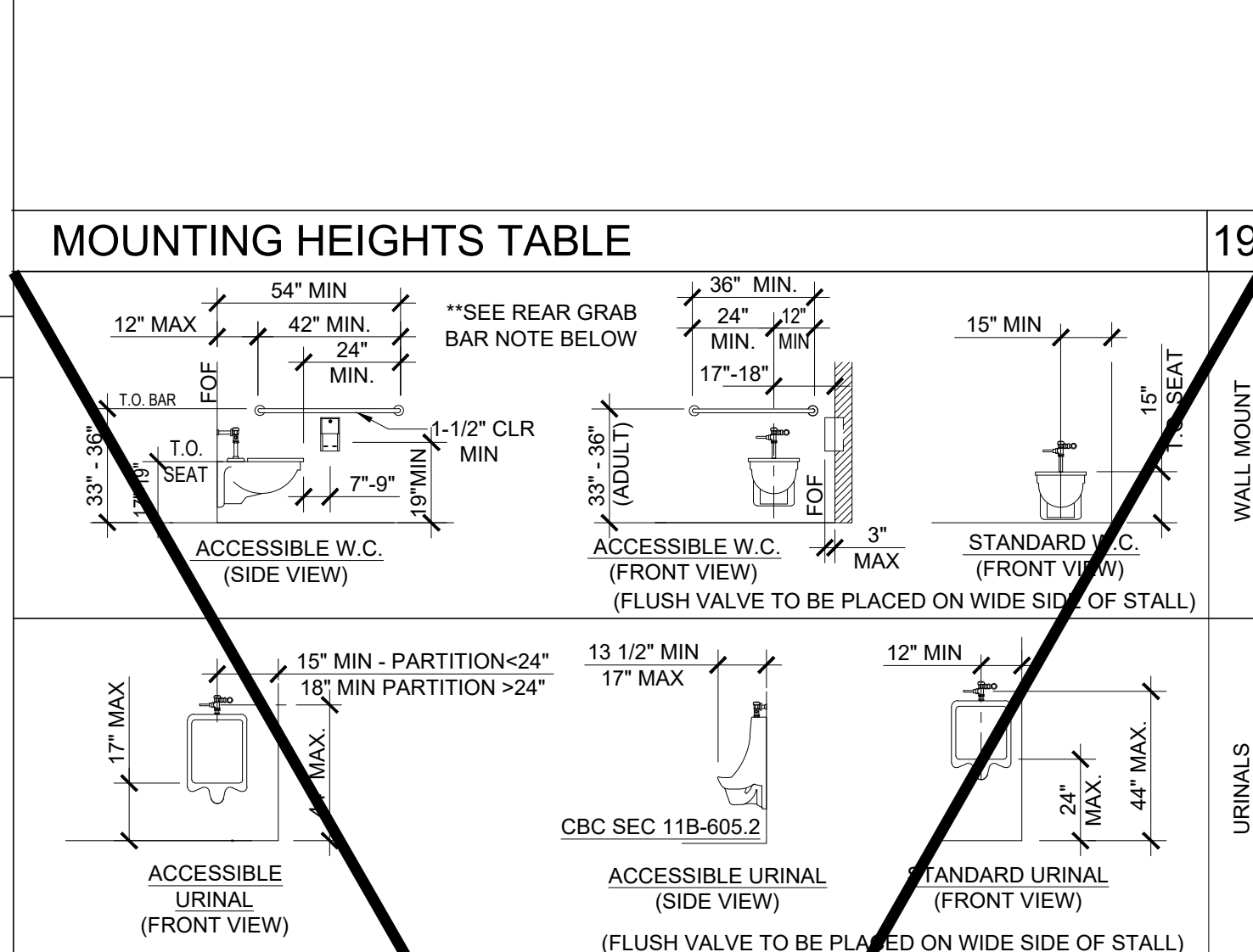
STANDARD DIMENSIONS

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"	18"	24"
URINAL LIP HEIGHT	24"	24"	18"	24"
URINAL CENTER FROM WALL/PARTITION	12"	12"	12"	12"

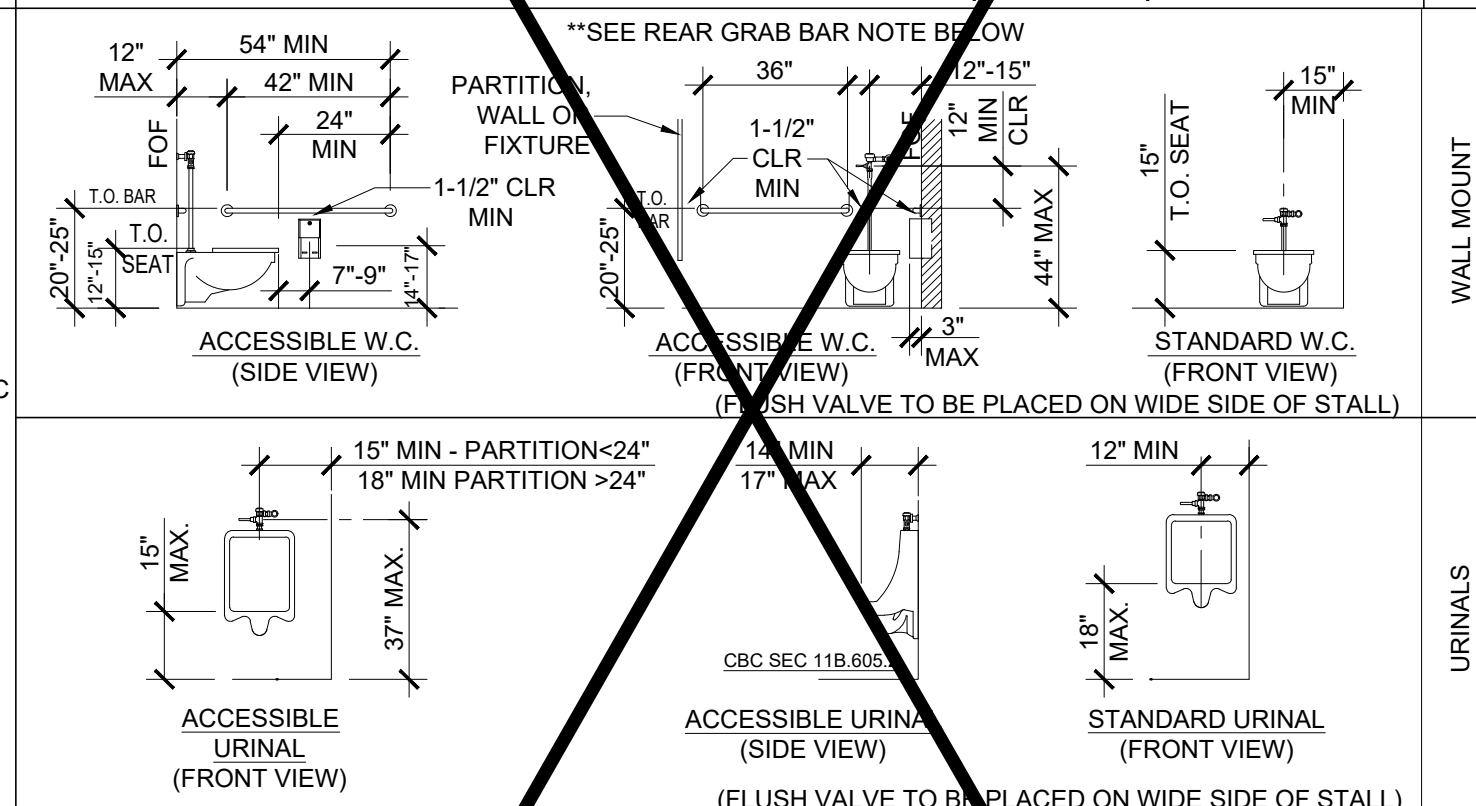
PLUMBING ACCESSORIES

- (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 ENCRUSCH INTO 30x48 CLEAR SPACE OF FIXTURE
 - C TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED OR 3" MAX PROJECTION
 - D TOILET SEAT DISPENSER: SURFACE MOUNTED

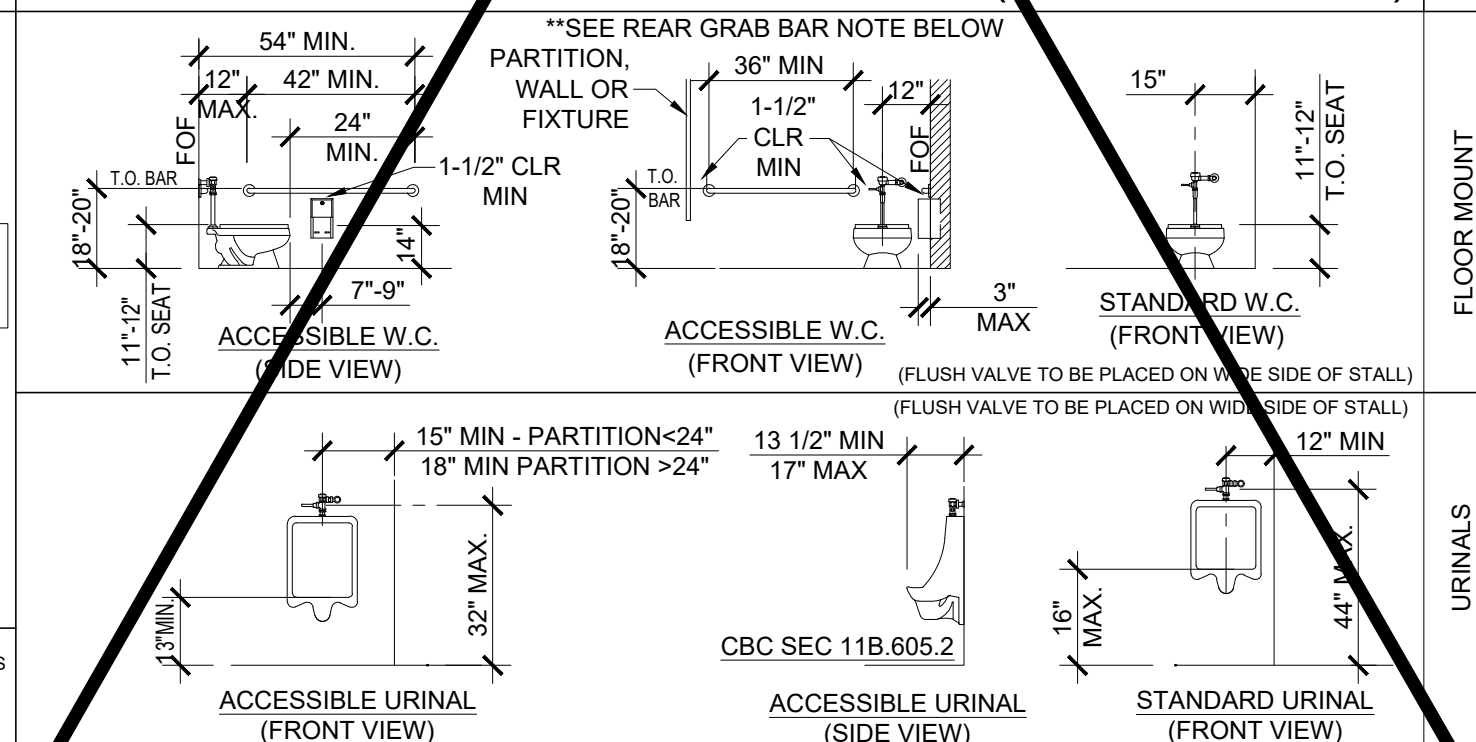
MOUNTING HEIGHTS TABLE



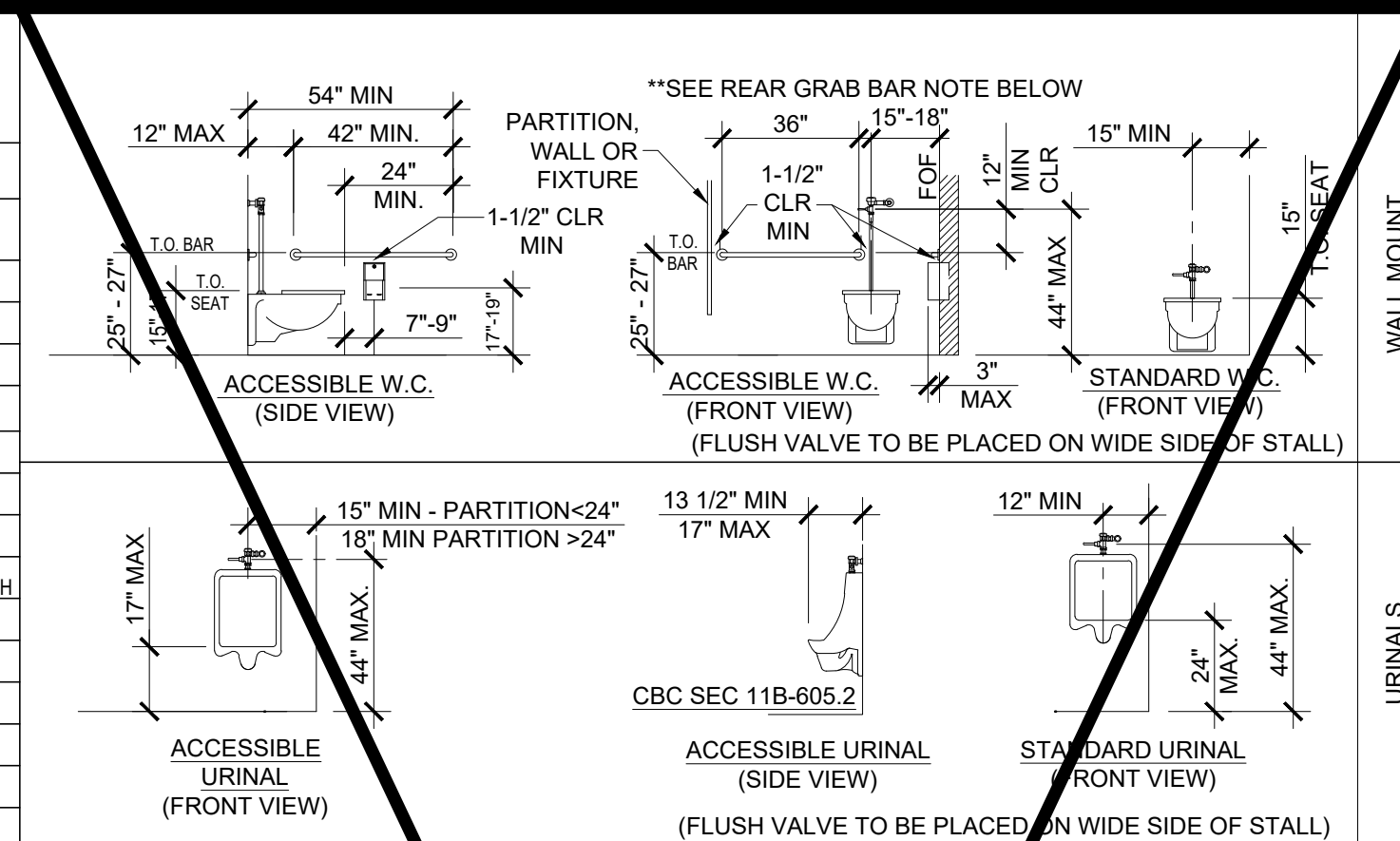
TOILET FIXTURE MOUNTING HEIGHTS (ADULT)



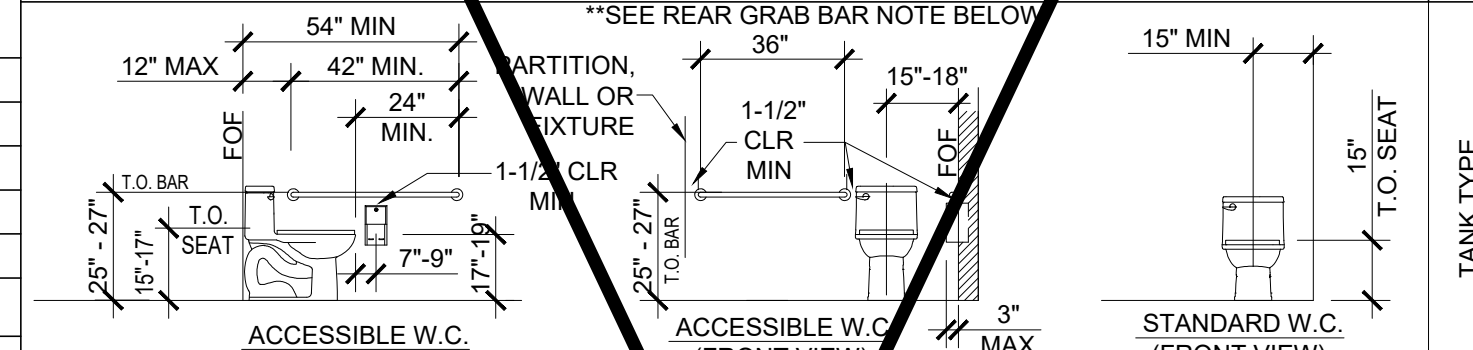
TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8)



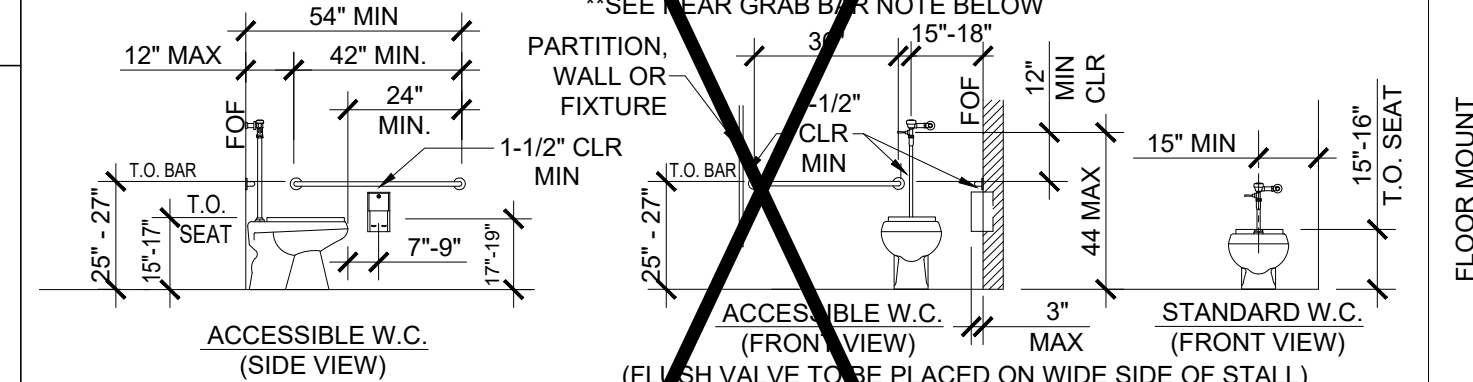
TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4)



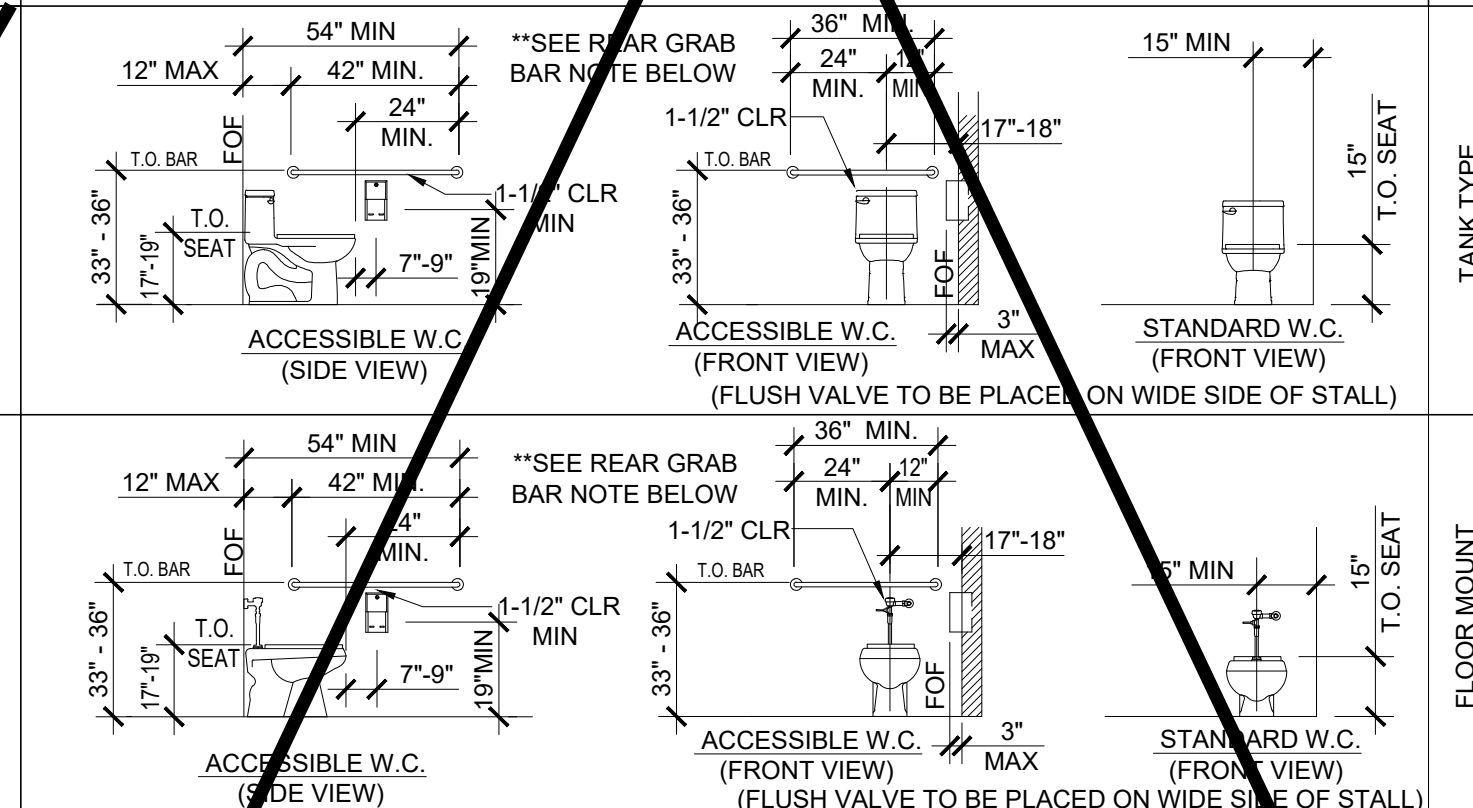
TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 THRU 12)



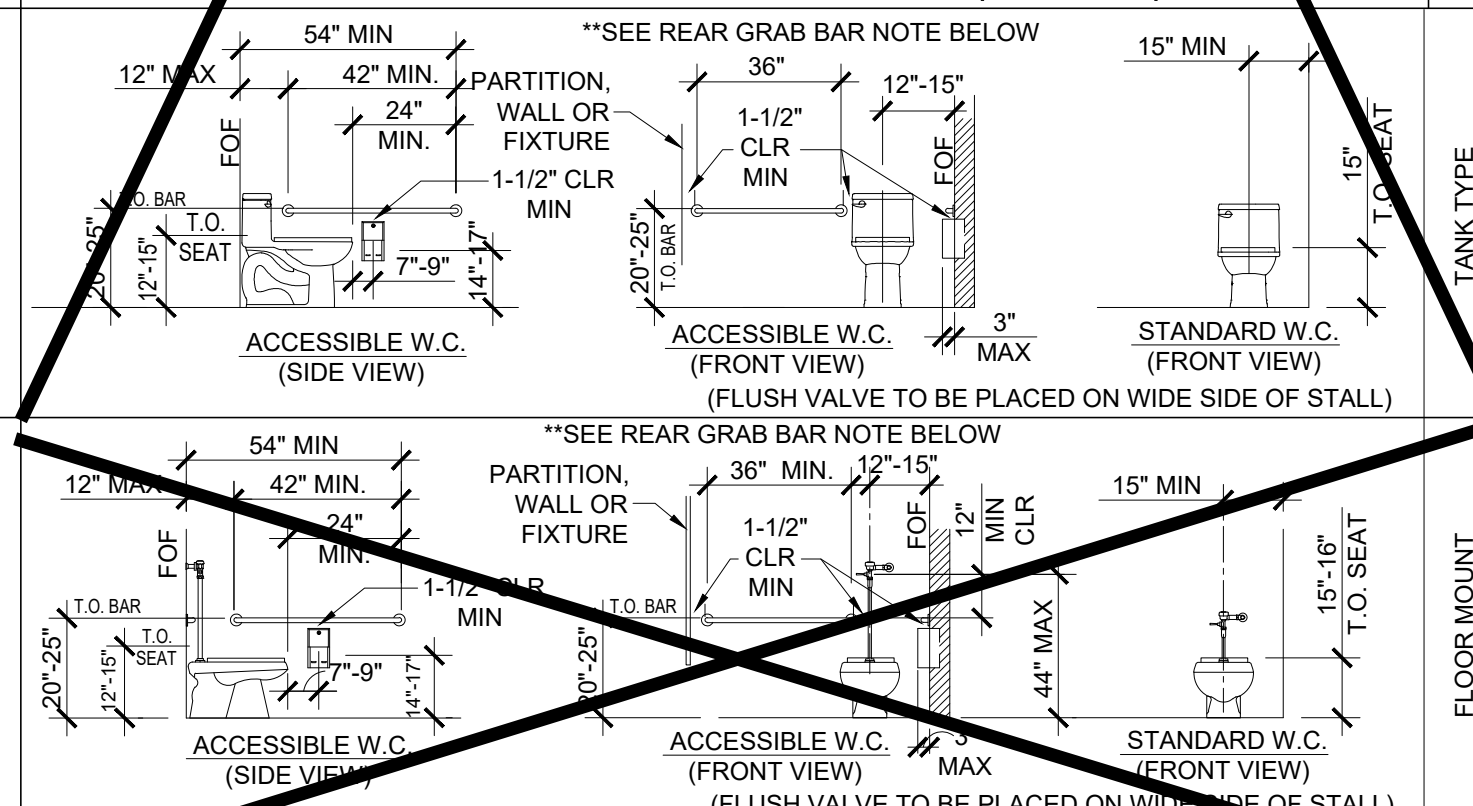
TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 THRU 12)



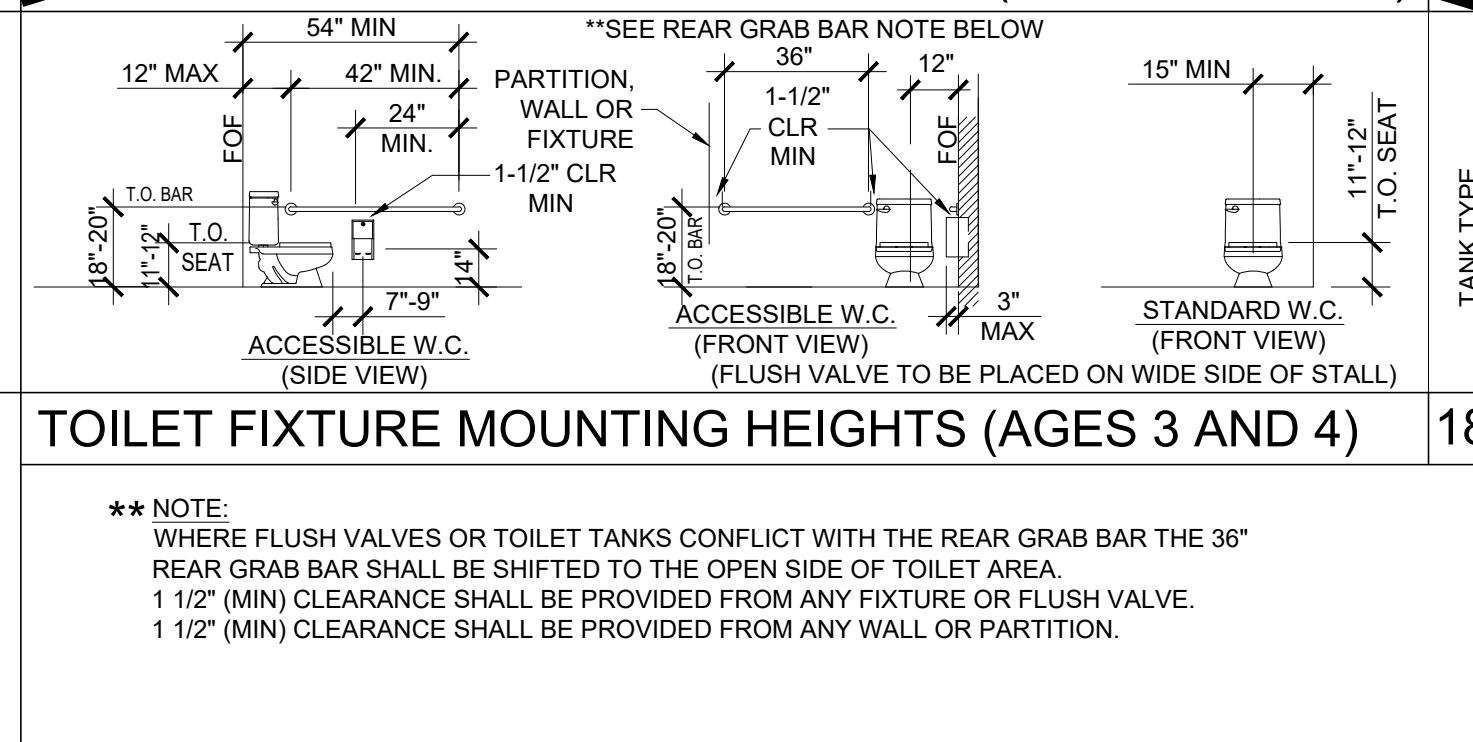
TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 THRU 12)



TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 THRU 12)



TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 THRU 12)



TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 THRU 12)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122742 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 02/17/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

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: 01-121999 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. STARK
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 40' PC

PROJECT NO:

DRAWN BY:

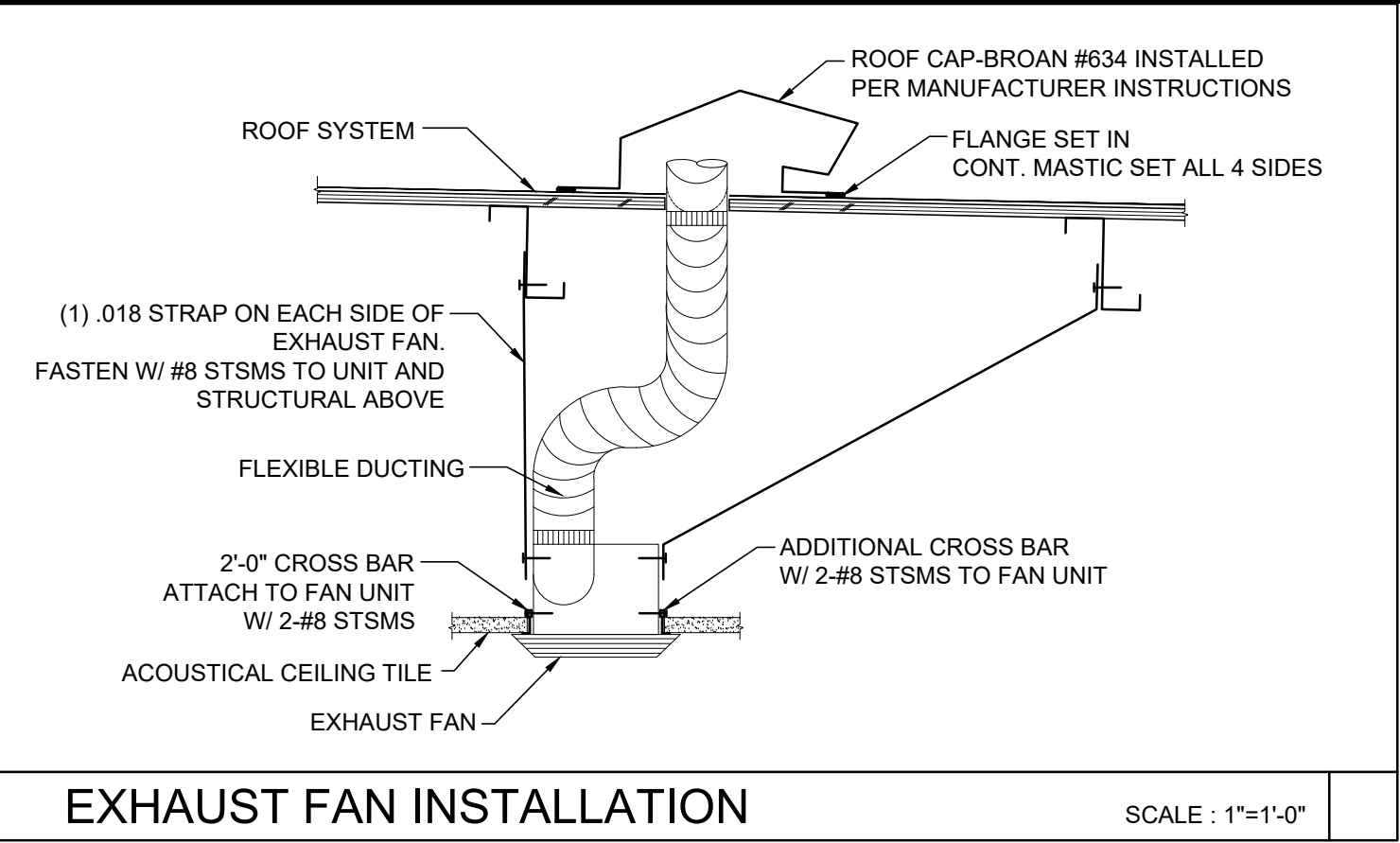
SCALE: AS NOTED

DATE: 02-27-2023

P.C. SHEET NUMBER

P-1.01

LEGEND		
SYMBOL	ABB.	DESCRIPTION
	SAD	SUPPLY AIR DUCT
	RAD	RETURN AIR DUCT
	EAD	EXHAUST AIR DUCT
	(L)	LINED DUCTWORK
	CD	SUPPLY CEILING DIFFUSER
	CR	RETURN CEILING REGISTER
	ER	EXHAUST CEILING REGISTER
	VTR	VENT THRU ROOF
	FD	FIRE DAMPER
	MVD	MANUAL VOLUME DAMPER
	UC	UNDERCUT DOOR
	STAT	THERMOSTAT
	BT	BYPASS TIMER
	P.O.C	POINT OF CONNECTION
	CO ²	CO ² SENSOR



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 SUPPOORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.C

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 TRAVERSE 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 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 THE DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT 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 #) #-----.

TABLE 140.4-E AIR ECONOMIZER HIGH LIMIT SHUT OFF CONTROL REQUIREMENTS		
Device Type	Climate Zones	Required High Limit (Economizer Off) When:
Fixed Dry Bulb	1, 3, 5, 11-16	$T_{out} > 75^{\circ}\text{F}$ Outdoor air temperature exceeds 75°F
	2, 4, 10	$T_{out} > 73^{\circ}\text{F}$ Outdoor air temperature exceeds 73°F
	6, 8, 9	$T_{out} > 71^{\circ}\text{F}$ Outdoor air temperature exceeds 71°F
	7	$T_{out} > 69^{\circ}\text{F}$ Outdoor air temperature exceeds 69°F
Differential Dry Bulb	1, 3, 5, 11-16	$T_{out} > T_{in} + 2^{\circ}\text{F}$ Outdoor air temperature exceeds return air temperature
	2, 4, 10	$T_{out} > T_{in} + 2^{\circ}\text{F}$ Outdoor air temperature exceeds return air temperature minus 2°F
	6, 8, 9	$T_{out} > T_{in} + 4^{\circ}\text{F}$ Outdoor air temperature exceeds return air temperature minus 4°F
	7	$T_{out} > T_{in} + 4^{\circ}\text{F}$ Outdoor air temperature exceeds return air temperature minus 4°F
Fixed Enthalpy* or Fixed Enthalpy	All	$h_{out} > 28 \text{ Btu/lb or } T_{out} > 75^{\circ}\text{F}$ Outdoor air enthalpy exceeds 28 Btu/lb of dry air or Outdoor air temperature exceeds 75°F

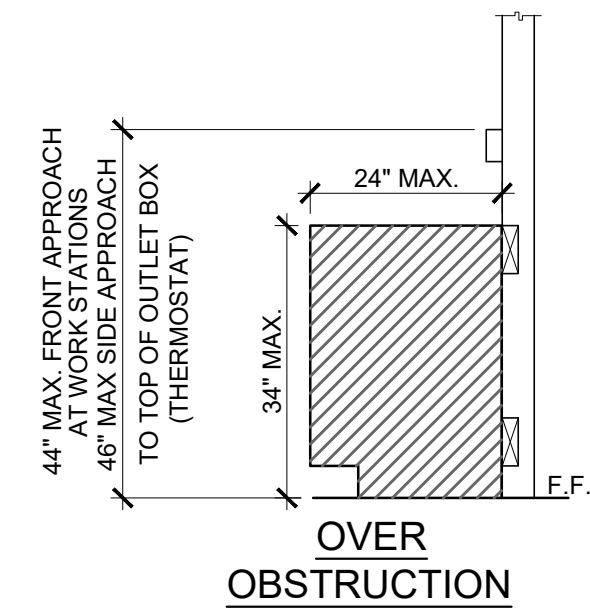
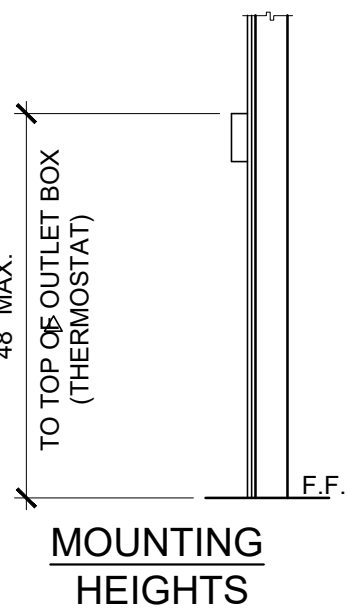
*Only the high limit control devices listed are allowed to be used and at the setpoints listed. Others such as Dew Point, Fixed Enthalpy, Electronic Enthalpy, and Differential Enthalpy Controls, may not be used in any Climate Zone for compliance with Section 140.4(c) unless approval for use is provided by the Energy Commission Executive Director.

* Devices with selectable (rather than adjustable) setpoints shall be capable of being set to within 2°F and 2 Btu/lb of the setpoint listed.

* At altitudes substantially different than sea level, the Fixed Enthalpy limit value shall be set to the enthalpy value at 75°F and 50% relative humidity. As an example, at approximately 6,000 foot elevation, the fixed enthalpy limit is approximately 30.7 Btu/lb.

DUCT NOTES:

- ALL DUCTING SHALL BE INSULATED WITH MIN OF R-4.2.
- DUCT INSTALLATION AND PLENUMS SHALL MEET THE REQUIREMENTS OF ENERGY CODE SECTION 120.4 AND THE MANUFACTURERS INSTALLATION INSTRUCTIONS.
- HORIZONTAL FLEX DUCT SHALL BE SUPPORTED AT A MAXIMUM 4' FT INTERVALS, WITH HANGING STRAPS A MINIMUM 1 1/2" WIDE.
- DUCTS MUST BE PULLED TIGHT WITH A MAXIMUM SAG OF 1/2" PER FOOT OF HORIZONTAL RUN.
- DUCT SHALL NOT BE KINKED OR CRUSHED.
- BEND/RADIUS EQUAL TO THE DUCT DIAMETER OR GREATER.



△ PROVIDE MIN 30"x48" CLR FLOOR SPACE FOR PERPENDICULAR APPROACH AT EACH LOCATION

GENERAL NOTES:

- THERMOSTAT SHALL BE PROGRAMMED WITH EXPECTED OCCUPIED TIMES.
- AIR HANDLER FAN WILL BE PROGRAMMED TO RUN DURING ALL OCCUPIED TIMES.
- PRE-OCCUPANCY PURGE SHALL BE PROGRAMMED ONE HOUR PRIOR TO THE MODULAR BUILDING BEING NORMALLY OCCUPIED PER ENERGY CODE 120.1(D)1.
- ECONOMIZERS SHALL BE PROGRAMMED FOR HIGH LIMIT SHUT OFF PER TABLE 140.4-E.
- THE OUTDOOR AIR CO2 CONCENTRATION SHALL BE ASSUMED TO BE 400 ppm.

Heat Pump Sequence of Operations

Description:
Control Volume Unit, DX cooling and heating, and outside air economizer.

General:
Each unit shall be directly controlled and monitored by a programmable logic Thermostat Controller.

1. Required Algorithms and Schedules:
Time Schedule
Separate Schedule (Temperature)

2. Occupancy Status:
The occupancy status is determined by an occupancy sensor.

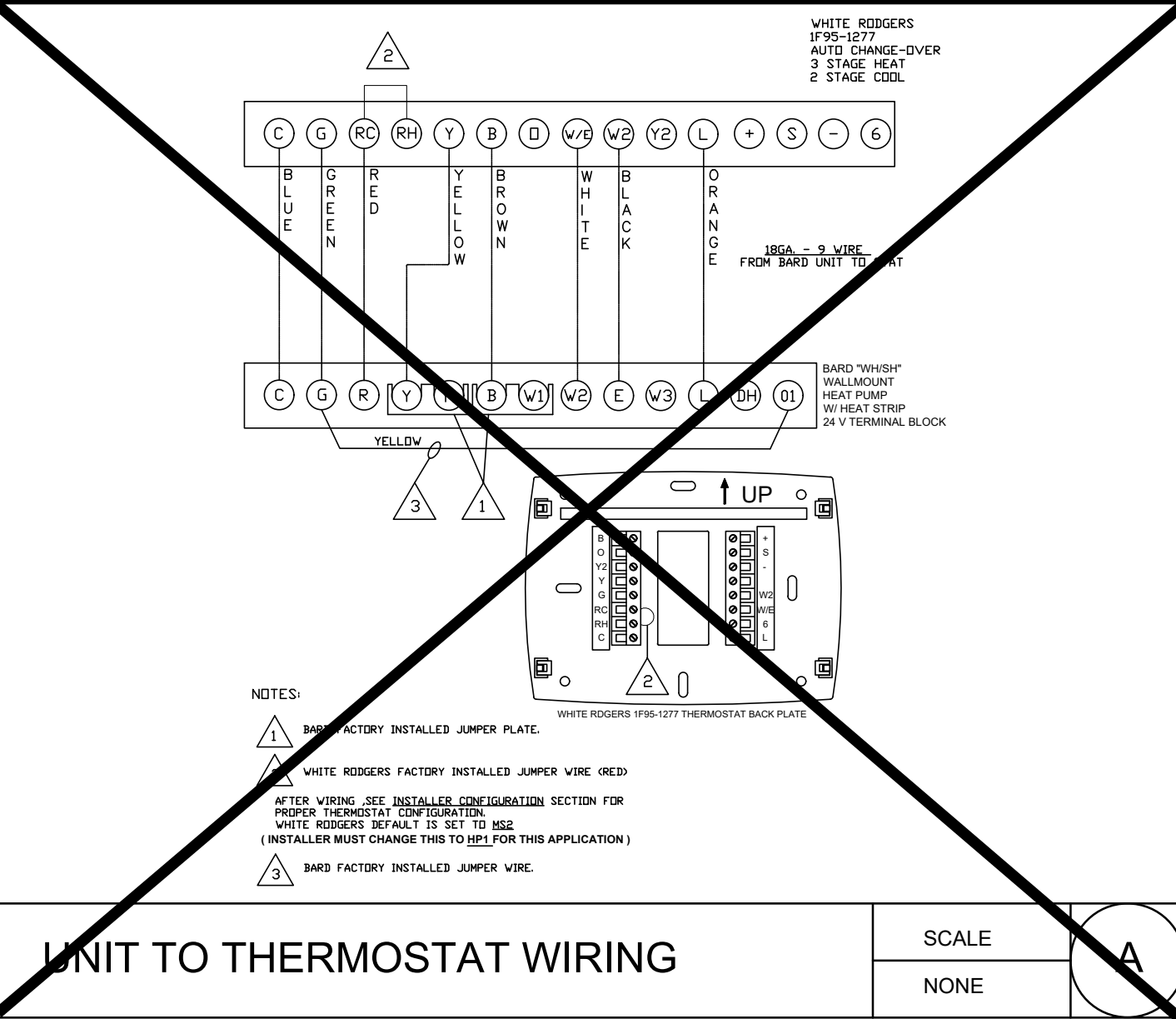
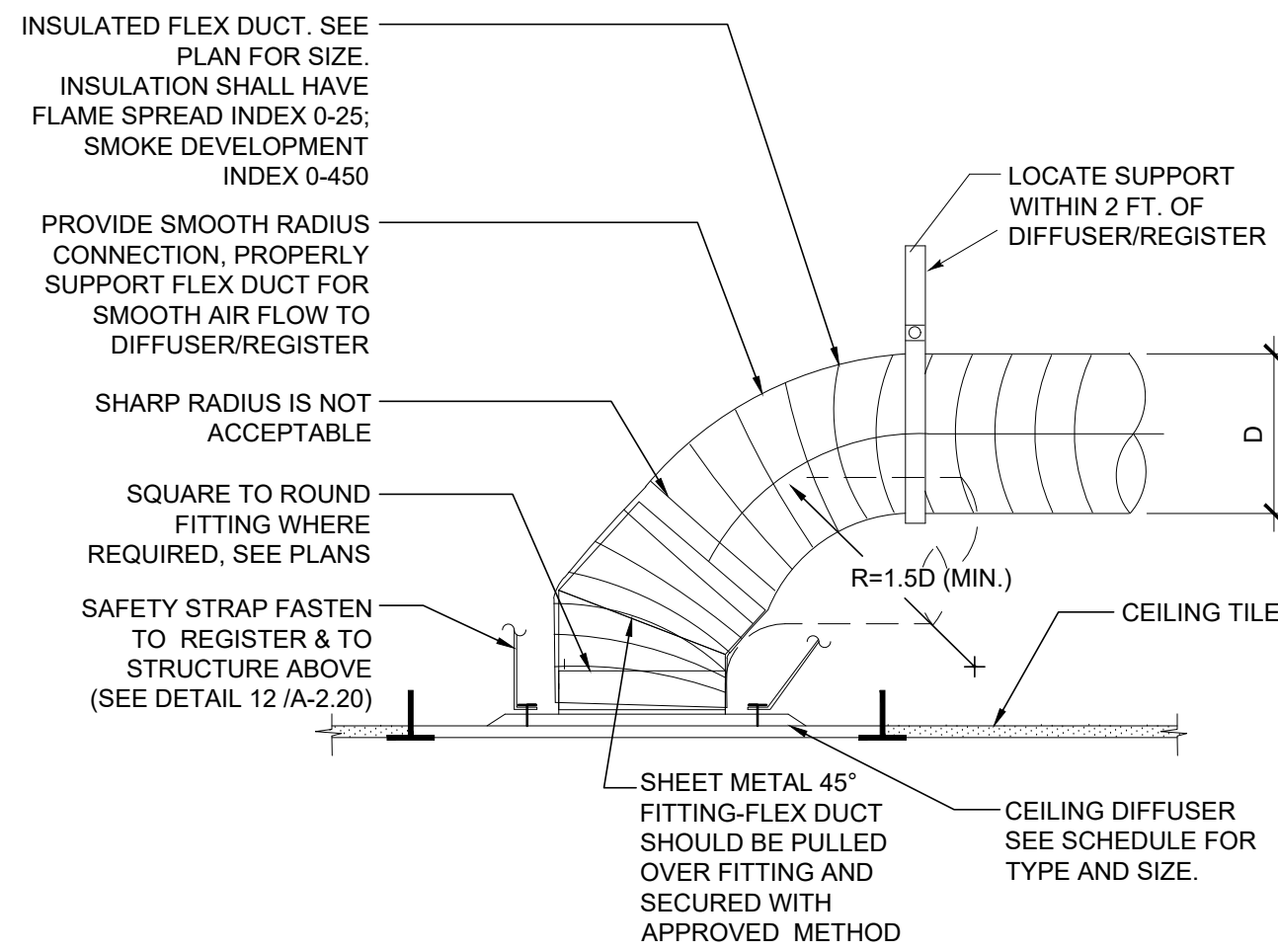
3. Demand Control Ventilation:
The indoor CO2 concentration is monitored with a sensor in each room.

Sequence of Operation during Occupied Hours:

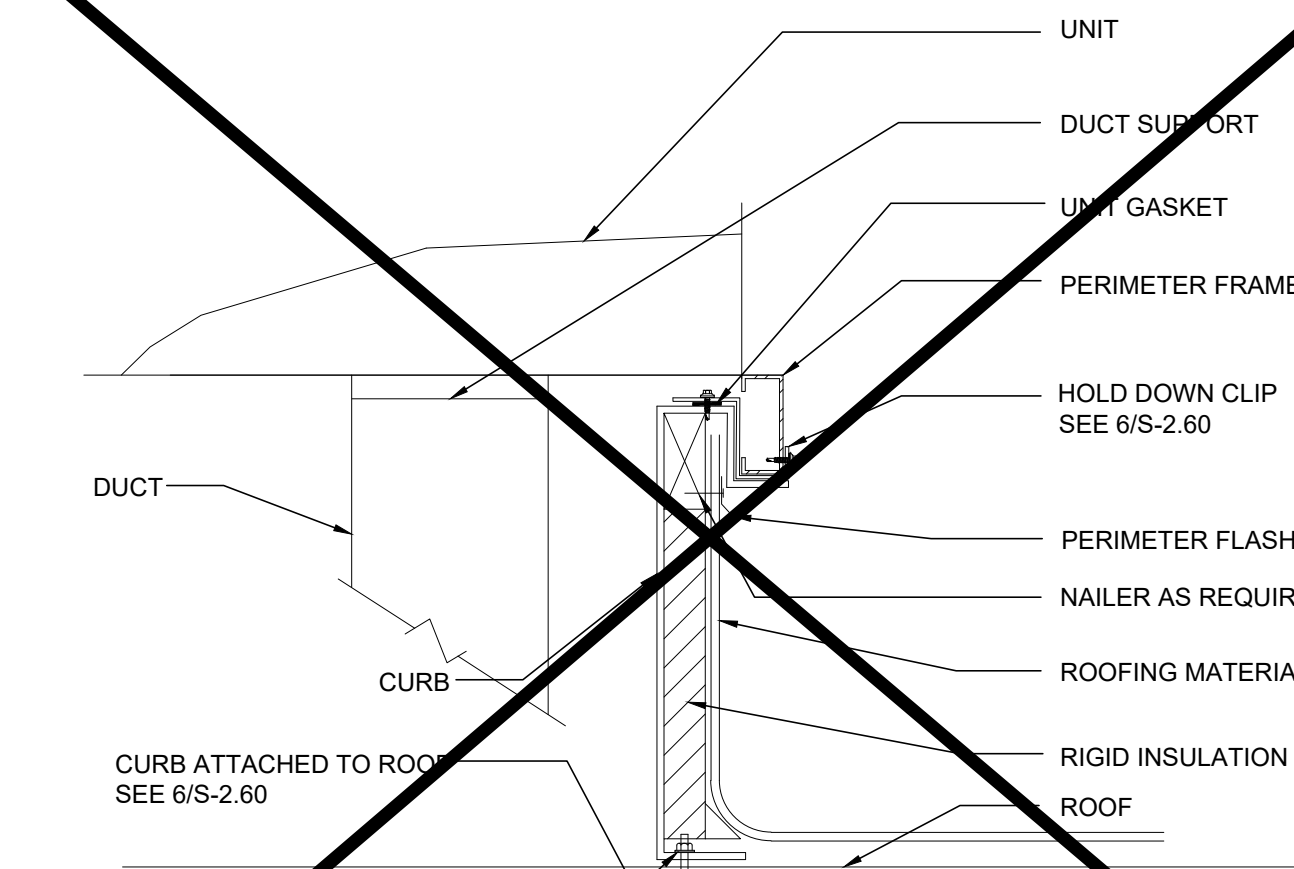
- Supply Fan Control Mode:**
The supply fan will operate:
A. During scheduled hours.
B. When occupancy is detected.
- Economizer Control Mode:**
The outside air damper will be wired through an interposing relay and interlocked to the supply fan. When the supply fan is operating the economizer damper will be set to the default position except when:
A. The demand control ventilation system determines that the CO2 concentrations can reduce the outside air rate.
B. During cooling mode when the outside air temperature sensor indicates that the damper position may be adjusted to increase the outside air rate.
- Operating Mode:**
The thermostat shall be programmed to Auto Mode. When Auto Mode is active, the thermostat algorithm will automatically select either a heating or cooling mode based on the present space temperature value.
- Heating Mode:**
The heating stages will be energized when the fan is running, the operating mode is auto, and the space temperature is below the occupied heating setpoint. The heating stages will be de-energized as the space temperature achieves the heating setpoint.
- Cooling Mode:**
The cooling stages will be energized when the fan is running, the operating mode is auto, and the space temperature is above the occupied cooling setpoint. The cooling stages will be de-energized as the space temperature achieves the cooling setpoint.

Sequence of Operation during Unoccupied Hours:

- Supply Fan:**
The fan will be cycled on if the space temperature is outside the heating and cooling unoccupied set points.
- Economizer Control:**
The outside air damper will be wired through an interposing relay and interlocked to the supply fan. When the supply fan is on, the dampers are forced to the minimum position. When the supply fan is off, the dampers will close.
- Pre-Occupancy Purge**
In the hour prior to scheduled normal occupancy the supply fan shall operate for a duration sufficient in length to provide not less than 3 complete air changes.



RETURN CEILING DIFFUSER MOUNTING



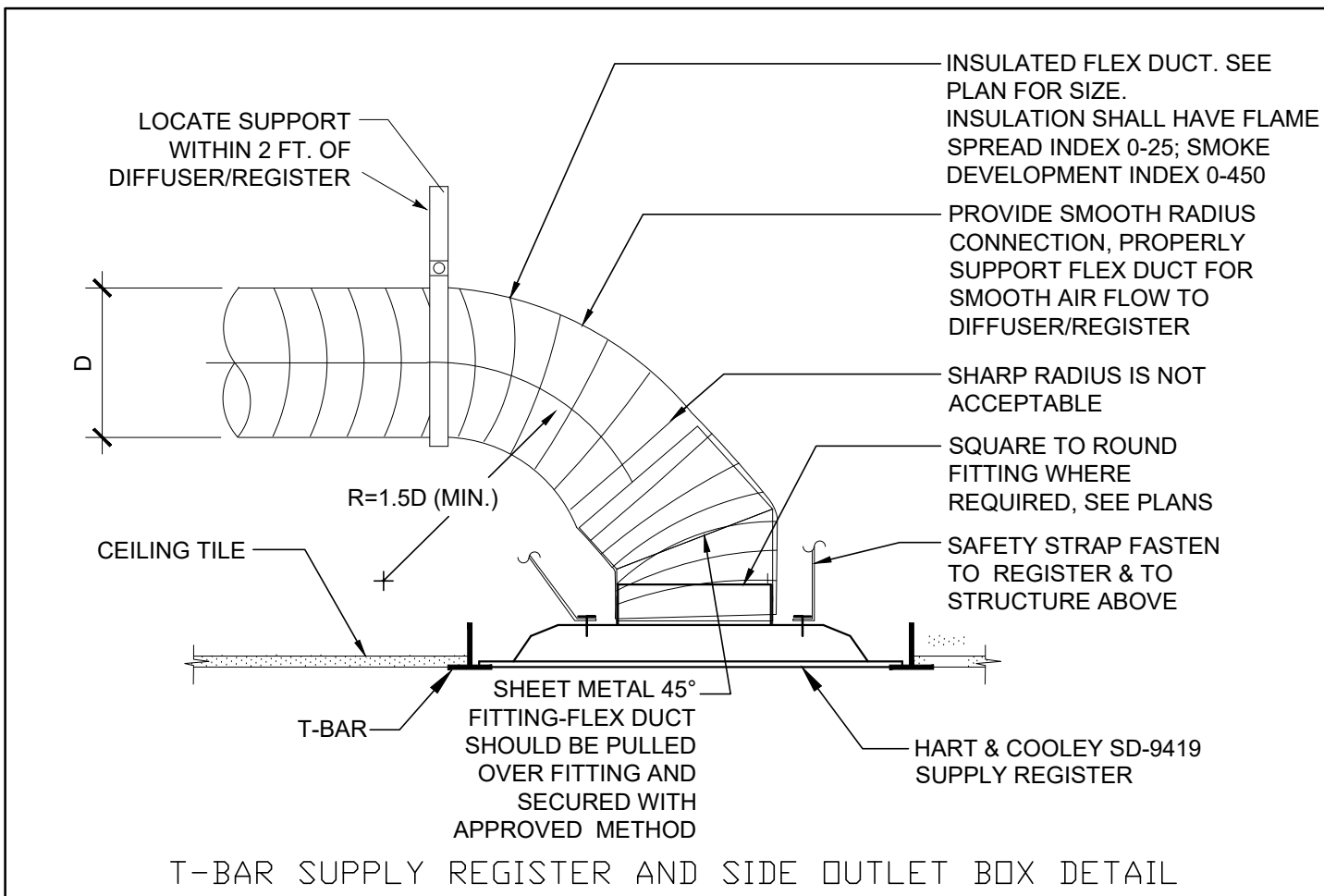
PC UNIT MOUNTING

CEILING MOUNTED EXHAUST FAN SCHEDULE												
SYM.	LOCATION	SERVICE	MANUF.	MODEL	CFM	SONES	SP	ELECTRICAL			WGT.	REMARKS
								VOLTS	Ø	POWER		
EF 1	CEILING	TOILET EXHAUST	BROAN ¹	L100	109	1.0	0.25	120	1	87 WATTS	22.80 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 6" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 2	CEILING	TOILET EXHAUST	BROAN ¹	L200	210	2.0	0.25	120	1	127 WATTS	23.0 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 3	CEILING	TOILET EXHAUST	BROAN ¹	L300	308	2.8	0.25	120	1	212 WATTS	25.16 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.

¹OR APPROVED EQUAL.

PERFORATED FACE GRILLE SCHEDULE (SUPPLY)			
ITEM	NECK SIZE	RANGE CFM	MFG & MODEL #
 16X16-4W	6"Ø	0 - 150	Fixed Curve Blade, 4-way throw
	8"Ø	150 - 230	For lay-in T-bar ceilings use Harth & Cooley SD-9419 . (Sizes as shown on Mech Plan)
	10"Ø	230 - 350	
	12"Ø	350 - 460	
	14"Ø	460 - 640	

PERFORATED FACE GRILLE SCHEDULE (RETURN)			
ITEM	NECK SIZE	RANGE CFM	MFG & MODEL #
 T-BAR RETURN	6"Ø	0 - 230	Perforated face
	10"Ø	230 - 460	For lay-in T-bar ceilings use Shoemaker 10SP with 24 ga., 45 deg. angle. (Sizes as shown on Mech Plan.)
	14"Ø	460 - 710	



T-BAR SUPPLY REGISTER AND SIDE OUTLET BOX DETAIL

N.T.S.

SUPPLY CEILING DIFFUSER MOUNTING

SCALE
NONE

D

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PROJECT NAME:

**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

SHEET TITLE:

**MECHANICAL NOTES,
SCHEDULES, & DETAILS**

REVISIONS

1	
2	
3	
4	
5	

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
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FOR CONSTRUCTION IS REQUIRED

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DATE: 08/31/2023

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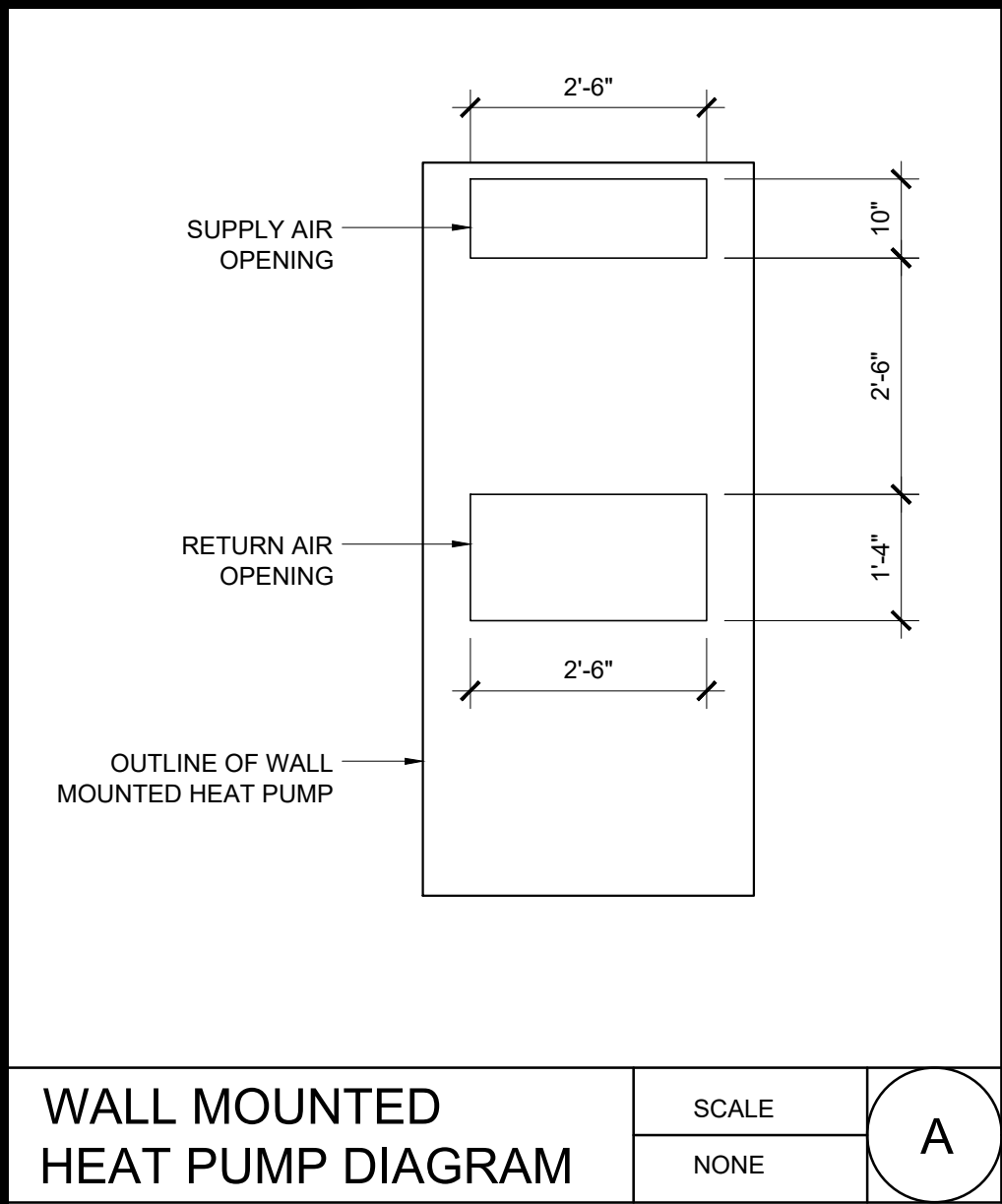
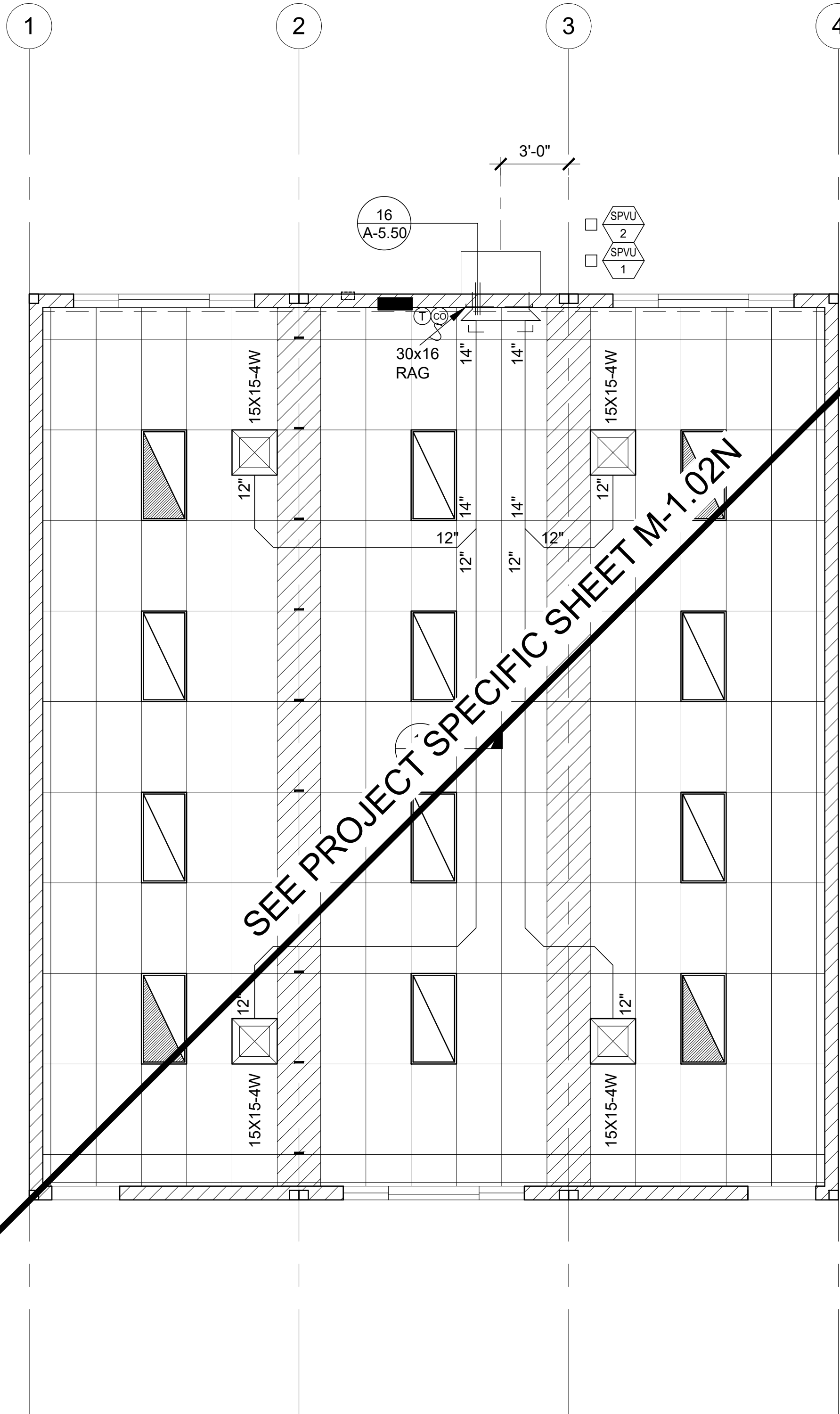
Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

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-0.1



WALL MOUNTED MECHANICAL EQUIPMENT SCHEDULE			
HVAC Equipment	SPVU-1	SPVU-2	
Make and Model	BARO #W60HC-A00VN	BARO #T60S1-A00VN	
Nominal Tonnage	5	5	
BTU/H:			
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	
MCA	42		
MCOP	60		
Wire Size (Pwr/ Grnd)	8 / 10		
Thermostat:			
Make and Model	Venstar #T4900SCH	Venstar #T4900SCH	
Setback	Yes	Yes	
Heat Pumps	Yes	Yes	
Shut-off and Reset:	Occupancy	Occupancy Sensor	
Economizer:			
Make and Model	Integ	Integrated	
Controls	Fixed	Fixed Dry Bulb	
Fault Detection	Yes		
Outside Air Damper Position		Varies	
Demand Control Ventilation		Yes	
Minimum DCV Outside Air in CFM	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 THERMOSTATS. SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT.

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 FILTERS. FILTER CHANGES SHALL BE ACCEPTABLE.

AIR HANDLERS WITH 15X15-4W FILTERS 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 LISTED ABOVE.

PROVIDE A CONTROL WITH LCD DISPLAY (CARROER #332CSP02LCD-01 or EQUAL) ADJACENT TO THE THERMOSTAT. DISPLAY AT +48" AFF.

PROVIDE A BELL 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.

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PROJECT NAME:

S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM

SHEET TITLE:

MECHANICAL PLAN
WALL MOUNT
36' x 40'

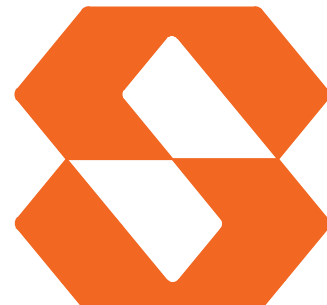
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CODE: 2022 CBC
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Silver Creek

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:

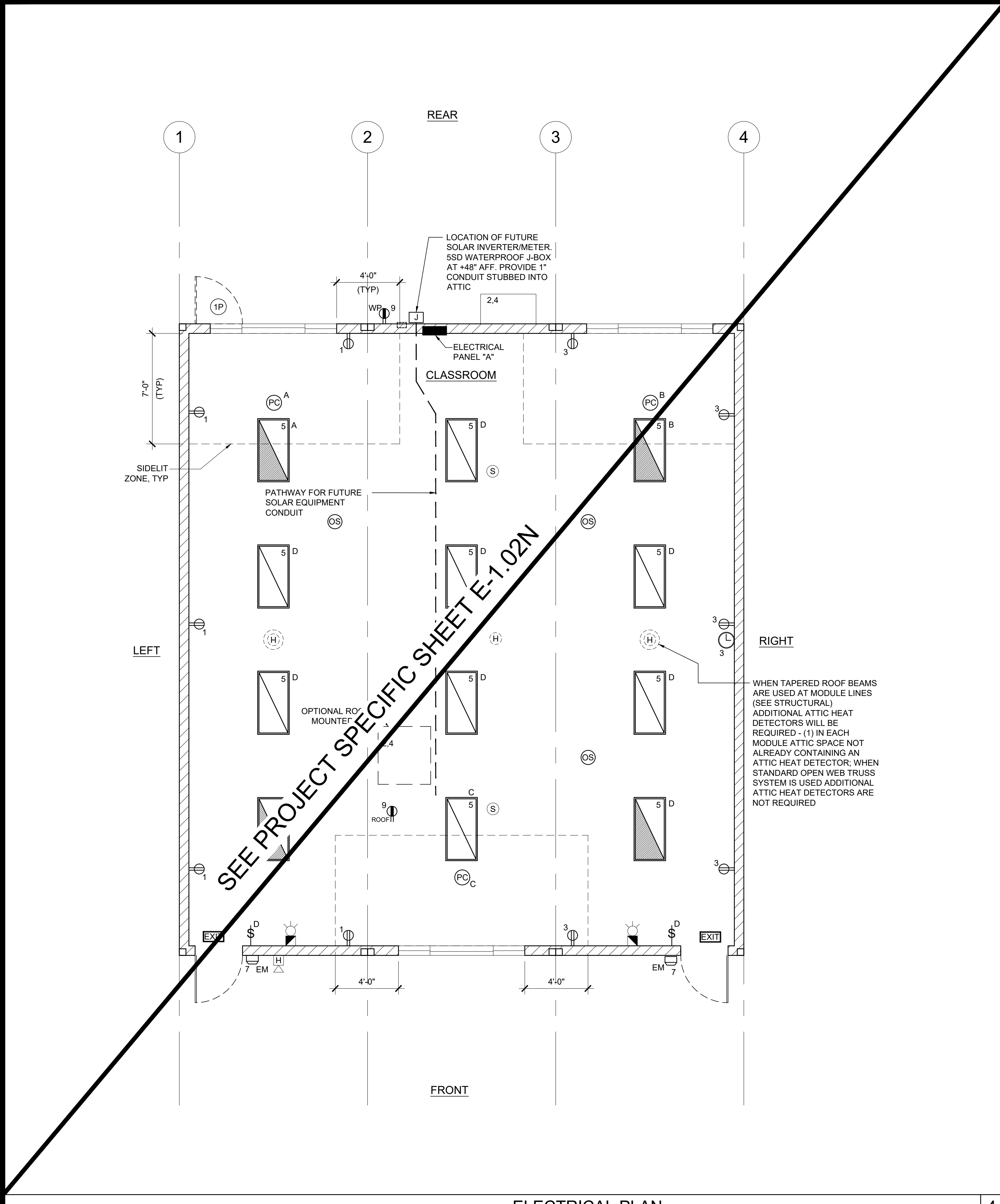
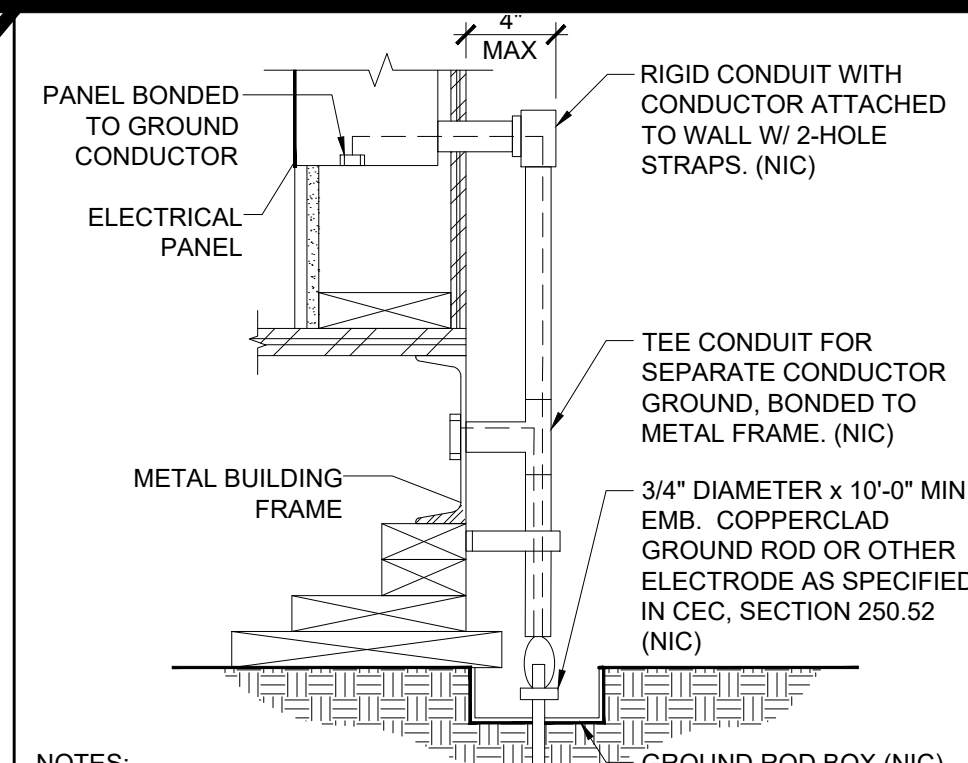
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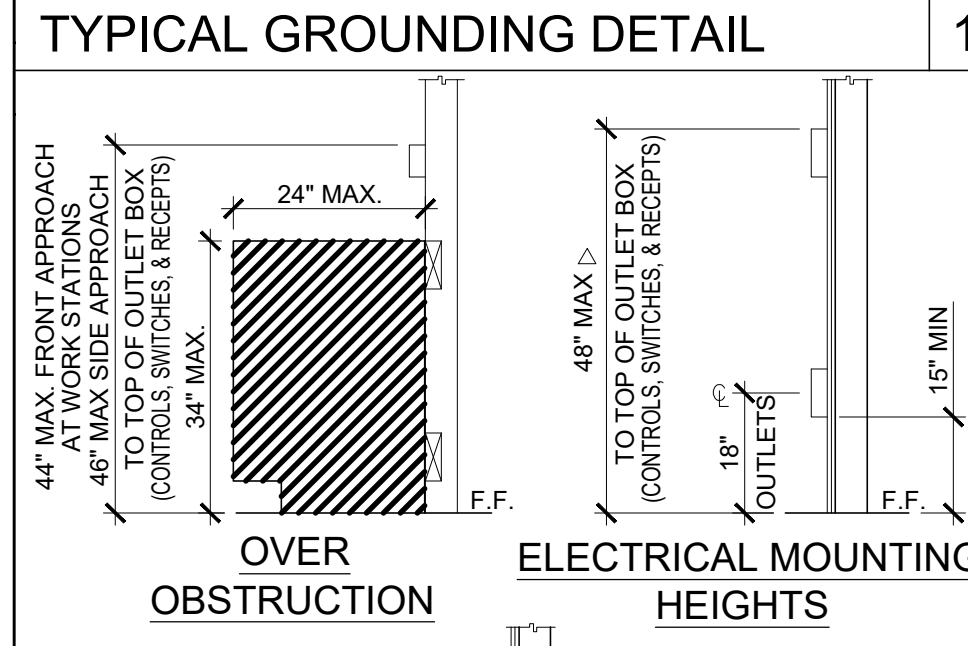
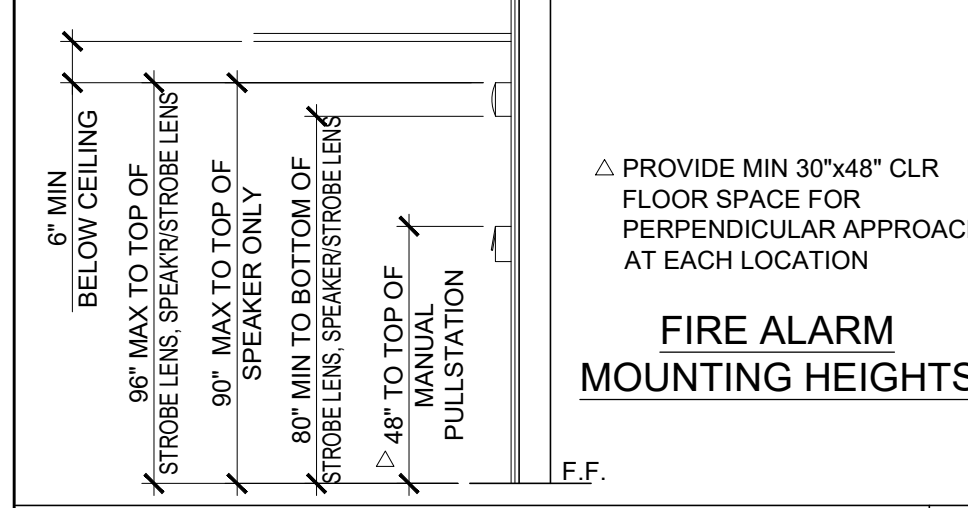
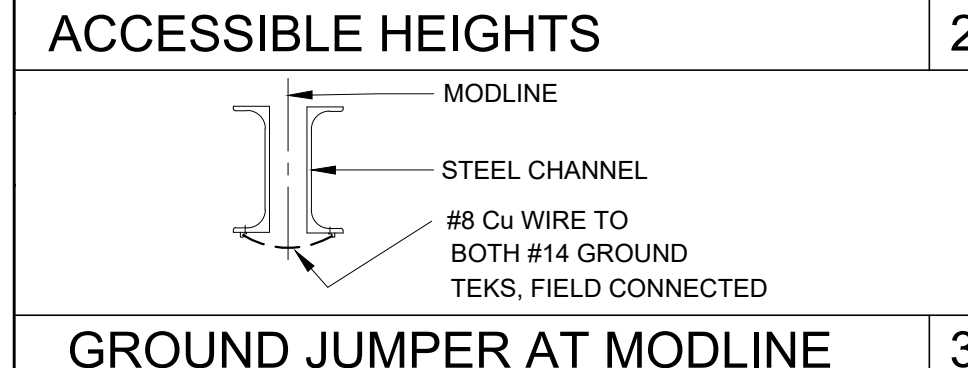
DATE: 02-27-2023

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- 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).



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 THE 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 SYSTEMS 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	1/2" C	3/4" C	1" C	1 1/4" C
#12	20A	THHN	9	16	25	45
#10	30A	THHN	5	10	16	28
#8	45A	THHN	2	5	8	14
#6	65A	THHN	1	3	5	10
#4	85A	THHN	1	2	4	7

JUNCTION BOX SIZE TABLE

BOX SIZE	CU. IN.	MAX NO. OF CONDUCTORS			
		#12	#10	#8	#6
4SS 1 1/4" x 4" SQ	18.0	8	7	6	0
4S 1 1/2" x 4" SQ	21.0	9	8	7	0
4SD 2 1/8" x 4" SQ	30.3	13	12	10	6
4SX 2 7/8" x 4" SQ	43.5	23	21	17	10
5SD 2 1/8" x 4-11/16" SQ	42.0	18	16	14	6
5SX 3 7/8" x 4-11/16" SQ	66.0	38	34	28	17
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 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	AØ	BØ	QTY
		AØ	BØ						
RECEPTACLES	4	720		20	1	1			1
RECEPTACLES/CLOCK	5		900	20	1	3			
INTERIOR LIGHTING	8	960		20	1	5			
EXTERIOR LIGHTING	1		40	20	1	7			
WALL RECEPTACLE (GFI)	1	180		20	1	9			
DED - SOLAR READY									
DED - SOLAR READY									
A = 6690 WATTS / PHASE									
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					
MAIN: 100 A		LOCATION: ACCESS		MOUNTING: RECESSED					
LOAD	QTY	WATTS		BREAKER	Amps	P	AØ	BØ	QTY
		AØ	BØ						
HVAC - WALL MOUNT	1								
INTERIOR LIGHTING	5	900		20	1	3			
EXTERIOR LIGHTING	8	960		20	1	5			
ROOF RECEPTACLE (GFI)	1		40	20	1	7			
DED - SOLAR READY									
DED - SOLAR READY									
A = 6402 WATTS / PHASE									
TOTAL = 11,924 WATTS		57 AMPS		120/208 VOLTS		1 Ø		3 WIRE	

SEE PROJECT SPECIFIC SHEET E-1.02N

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122742 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 02/17/2026

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
**S.S.F.U.S.D.
MONTE VERDE E.S.
TK-CLASSROOM**

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-121999 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

E-1.02

LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

- ☒ Project has a geotechnical report or construction documents require special inspection by a geotechnical engineer.
☐ Project does NOT have and does NOT require a geotechnical report.

	TYPE	BY		TYPE	BY
S1 SOILS - GENERAL			C1 CAST-IN-PLACE CONCRETE		
☒ S1a: Site Preparation	Periodic	GE	☒ C1a: Mix Design	Continuous	SI
S2 COMPACTION AND FILL			☒ C1b: Reinforcing Steel	Test	LOR
☒ S2a: Fill Materials	Test	LOR*	☒ C1c: Concrete Material	Test	LOR
☒ S2b: Fill Placement	Continuous	GE*	☒ C1d: Strength Test	Test	LOR
☒ S2c: Compaction	Test	LOR*	☒ C1e: Batch Plant Inspection	Periodic	SI
S3 DRIVEN DEEP FOUNDATIONS (PILES)			C2 PRESTRESSED CONCRETE		
☐ S3a: Materials and Members	Continuous	GE*	☐ C2a: Tendons and Anchorage	Test	LOR
☐ S3b: Pile Capacity	Test	LOR*	☐ C2b: Tendon Placement	Periodic	SI
☐ S3c: Driving Operations	Continuous	GE*	☐ C2c: Concrete Strength	Periodic	SI
☐ S3d: Pile Installation	Continuous	GE*	☐ C2d: Stressing Operations	Continuous	SI
☐ S3e: Specialty Piles	*	*	C3 PRECAST CONCRETE		
S4 CAST-IN-PLACE DEEP FOUNDATIONS (PIERS)			☐ C3a: General Fabrication	Continuous	SI
☐ S4a: Drilling Operations	Continuous	GE*	☐ C3b: General Erection	Periodic	SI*
☐ S4b: Pier Construction	Continuous	GE*	☐ C3c: Diaphragm Connections	Continuous	SI
☐ S4c: Bearing Strata	Continuous	GE*	☐ C3d: Diaphragm Tolerances	Periodic	SI
S5 RETAINING WALLS			C4 SHOTCRETE		
☐ S5a: Backfill Placement	Continuous	GE*	☐ C4a: Placement	Continuous	SI
☐ S5b: Soil Reinf. and Drainage	Continuous	GE*	☐ C4b: Shotcrete Material	Test	LOR
☐ S5c: Segmental Retaining Walls	Continuous	GE*	C5 POST-INSTALLED ANCHORS		
S6 OTHER SOILS			☐ C5a: Inspection	See notes	SI*
☐ S6a: Soil Improvement Test	Test	GE*	☐ C5b: Test	Test	LOR
☐ S6b: Soil Improvement Inspection	Continuous	GE*	C6 OTHER CONCRETE		
☐ S6c: Not used.	N/A	N/A	☐ C6a: Not used.	N/A	N/A
☐ S6d: Not used.	N/A	N/A	☐ C6b: Not used.	N/A	N/A
☐ S6e: Not used.	N/A	N/A	☐ C6c: Not used.	N/A	N/A
☐ S6f: Not used.	N/A	N/A	☐ C6d: Not used.	N/A	N/A
☐ S6g: Not used.	N/A	N/A	☐ C6e: Not used.	N/A	N/A
☐ S6h: Not used.	N/A	N/A	☐ C6f: Not used.	N/A	N/A
☐ S6i: Not used.	N/A	N/A	☐ C6g: Not used.	N/A	N/A
☐ S6j: Not used.	N/A	N/A	☐ C6h: Not used.	N/A	N/A
☐ S6k: Not used.	N/A	N/A	☐ C6i: Not used.	N/A	N/A
☐ S6l: Not used.	N/A	N/A	☐ C6k: Not used.	N/A	N/A
☐ S6m: Not used.	N/A	N/A	☐ C6l: Not used.	N/A	N/A
☐ S6n: Not used.	N/A	N/A	Not used.		

* See Appendix for additional information.

* See Appendix for additional information.

Project Name: **Monte Verde ES**
School District: **South San Francisco USD**

Application No.: **01-122742** Increment:
File No.: **41-28**

LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

	TYPE	BY		TYPE	BY
M1 STRUCTURAL MASONRY f'm PSI:			S/A1 STEEL AND ALUMINUM		
☐ M1a: Mill Certificates - Reinf.	Periodic	SI*	☒ S/A1a: Material Identification	Periodic	*
☐ M1b: Material Certificates	Test	LOR	☒ S/A1b: Unidentified Material	Test	LOR
☐ M1c: Strength Test	Test	LOR	☒ S/A1c: Steel Fabrication	Periodic	SI
☐ M1d: Mortar Proportions	Periodic	SI	☐ S/A1d: Buckling Restrained Brace	Test*	LOR
☐ M1e: Grout Proportions	Periodic	SI	S/A2 HIGH-STRENGTH BOLTS		
☐ M1f: Batch Plant Inspection		SI	☐ S/A2a: Product Verification	Periodic	SI
☐ M1g: Core Tests	Test	LOR	☐ S/A2b: Bolts, Nuts, and Washers	Test	LOR
☐ M1h: Prisms	Continuous	SI	☐ S/A2c: Snug Tight	Periodic	SI
☐ M1i: Dowels and Supports	Periodic	SI	☐ S/A2d: Pretensioned / Slip-Critical	*	SI
☐ M1j: Reinforcement and Members	Periodic	SI	S/A3 WELDING		
☐ M1k: Reinforcement Placement	Continuous	SI	☒ S/A3a: Weld Material	Periodic	SI
☐ M1l: Grout Placement	Continuous	SI	☒ S/A3b: Certificate of Compliance	Periodic	SI
☐ M1m: Unit Layup and Joints	Periodic	SI*	☒ S/A3c: WPS and Qualifications	Periodic	SI
☐ M1n: Cold/Hot Weather Work	Periodic	SI	S/A4 SHOP WELDING		
☐ M1o: Anchors and Embeds	Continuous	SI	☒ S/A4a: Weld Category A	Continuous	SI
☐ M1p: Grout Cavity	Continuous	SI	☒ S/A4b: Weld Category B	Periodic	SI
M2 VENEER OR GLASS BLOCK PARTITIONS			☐ S/A4c: Stairs and Railing	Periodic	SI
☐ M2a: Mortar and Grout	Periodic	SI	☐ S/A4d: Reinf. Steel Weldability	Periodic	SI
☐ M2b: Unit Layup and Joints	Periodic	SI	☐ S/A4e: Reinforcing Steel	Continuous	SI
☐ M2c: Wires and Connector	Periodic	SI	S/A5 FIELD WELDING		
☐ M2d: Anchors and Embeds	Periodic	SI	☒ S/A5a: Weld Category A	Continuous	SI
☐ M2e: Cold/Hot Weather Work	Periodic	SI*	☒ S/A5b: Weld Category B	Periodic	SI
☐ M2f: Adhered Veneer Bond	Test	LOR	☒ S/A5c: End Welded Studs	Periodic	SI
M3 POST-INSTALLED ANCHORS			☒ S/A5d: Deck Welds	Periodic	SI
☐ M3a: Inspection	Varies*	SI*	☒ S/A5e: Cold-Formed Steel	Periodic	SI
☐ M3b: Test	Test	LOR	☐ S/A5f: Stairs and Railing	Periodic	SI
M4 OTHER MASONRY			☐ S/A5g: Reinf. Steel Weldability	Periodic	SI
☐ M4a: Not used.	N/A	N/A	☐ S/A5h: Reinforcing Steel	Continuous	SI
☐ M4b: Not used.	N/A	N/A	S/A6 NONDESTRUCTIVE TESTING		
☐ M4c: Not used.	N/A	N/A	☒ S/A6a: Ultrasonic	Test	LOR
☐ M4d: Not used.	N/A	N/A	☒ S/A6b: Magnetic Particle	Test	LOR
☐ M4e: Not used.	N/A	N/A	☐ S/A6c: Not used.	N/A	N/A
☐ M4f: Not used.	N/A	N/A	☐ S/A6d: Not used.	N/A	N/A
☐ M4g: Not used.	N/A	N/A	☐ S/A6e: Not used.	N/A	N/A
☐ M4h: Not used.	N/A	N/A	S/A7 STEEL JOISTS AND TRUSSES		
☐ M4i: Not used.	N/A	N/A	☐ S/A7a: Fabrication	Continuous	SI
☐ M4j: Not used.	N/A	N/A	S/A8 SPRAYED FIRE-RESISTANT MATERIALS		
☐ M4k: Not used.			☐ S/A8a: Surface and Installation	Periodic	SI
☐ M4l: Not used.			☐ S/A8b: Density	Test	LOR
☐ M4m: Not used.			☐ S/A8c: Bond: Adhesion/Cohesion	Test	LOR
* See Appendix for additional information.			* See Appendix for additional information.		

Project Name: **Monte Verde ES**
School District: **South San Francisco USD**

Application No.: **01-122742** Increment:
File No.: **41-28**

LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

	TYPE	BY		TYPE	BY
S/A9 ANCHOR BOLTS AND ANCHOR RODS			X OTHER		
☐ S/A9a: Anchor Rods and Bolts	Test	LOR	☐ X01: Product Load Test*	Test	LOR
☒ S/A9b: Other Threaded Rods	Test	LOR	☐ X02: Non-HSB Installation Torque	Continuous	SI*
S/A10 STORAGE RACK SYSTEMS			☐ X03: Not used.	N/A	N/A
☐ S/A10a: Material Verification	Periodic	SI	☐ X04: Not used.	N/A	N/A
☐ S/A10b: Fabrication	Periodic	SI	☐ X05: Not used.	N/A	N/A
☐ S/A10c: Anchorage	Periodic	SI	☐ X06: Not used.	N/A	N/A
☐ S/A10d: Completed System	Periodic	SI*	☐ X07: Not used.	N/A	N/A
S/A11 OTHER STEEL AND ALUMINUM			☐ X08: Not used.	N/A	N/A
☐ S/A11a: Not used.	N/A	N/A	☐ X09: Not used.	N/A	N/A
☐ S/A11b: Not used.	N/A	N/A	☐ X10: Not used.	N/A	N/A
☐ S/A11c: Not used.	N/A	N/A	EXEMPTIONS Those items identified on the DSA-approved construction documents with a note indicating they are not part of the DSA approval or those items checked below are exempt from test and special inspection requirements. The project inspector shall verify all construction complies with the approved construction documents. ☐ Soils: Eligible shallow foundation elements**. ☐ Soils: Eligible deep foundation elements - type 1**. ☐ Soils: Eligible deep foundation elements - type 2**. ☐ Concrete/Masonry: Eligible post-installed anchors**. ☐ Concrete: Batch plant inspection for items listed in and complying with CBC Section 1705A.3.3.2. ☐ Concrete: Epoxy shear dowels in nonstructural slab-on-grade per CBC Section 1910A.5.4, Exception #4. ☐ Concrete/Masonry: Reinforcing bar testing for items listed in and complying with CBC Section 1910A.2. ☐ Masonry: Freestanding site walls and retaining walls per DSA IR 21-1. ☐ Concrete: Eligible precast elements**. ☒ Welding: Eligible fences and gates**. ☐ Welding: Eligible railing and ramps**. ☐ Welding: Eligible interior cold-formed steel framing**. ☐ Welding: Eligible equipment curbs**. ☐ Welding: Eligible components supporting MEP distribution systems**. ☐ Welding: Eligible mounts and recreational equipment**. ☐ Welding: Eligible nonstructural components**.		
☐ S/A11d: Not used.	N/A	N/A			
☐ S/A11e: Not used.	N/A	N/A			
☐ S/A11f: Not used.	N/A	N/A			
☐ S/A11g: Not used.	N/A	N/A			
☐ S/A11h: Not used.	N/A	N/A			
☐ S/A11i: Not used.	N/A	N/A			
☐ S/A11j: Not used.	N/A	N/A			
W1 PREFABRICATED WOOD TRUSSES					
☐ W1a: Open Web Truss Fabrication	Continuous	SI			
☐ W1b: Metal Plate Truss Fabrication	Continuous	SI			
W2 MANUFACTURED WOOD ELEMENTS					
☐ W2a: GL Timber Fabrication	Continuous	SI			
☐ W2b: CLT Fabrication	Continuous	SI			
☐ W2c: Mass Timber Erection	Periodic	SI			
☐ W2d: Connections Type A	Periodic	SI			
☐ W2e: Connections Type B	Continuous	SI			
☐ W2f: Sealants	Periodic	SI			
W3 OTHER WOOD					
☐ W3a: Not used.	N/A	N/A			
☐ W3b: Not used.	N/A	N/A			
☐ W3c: Not used.	N/A	N/A			
☐ W3d: Not used.	N/A	N/A			
☐ W3e: Not used.	N/A	N/A			
☐ W3f: Not used.	N/A	N/A			
☐ W3g: Not used.	N/A	N/A			
☐ W3h: Not used.	N/A	N/A			
* See Appendix for additional information.			** See Appendix for eligibility requirements.		

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LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Any items indicated on the approved construction documents with a note stating that the items are not part of the DSA approval are not considered in this form. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The exemption appendix at the end of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets 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 nonstructural components, etc., per Title 24, Part 2, Chapter 17A.

Legend to TYPE and BY Columns:

Continuous - Indicates continuous special inspection is required.

Periodic - Indicates periodic special inspection is required.

Test - Indicates a test is required.

GE - Indicates special inspection shall be performed by a registered geotechnical engineer or his/her authorized representative, usually associated with the Laboratory of Record.

LOR - Indicates test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program (i.e., the Laboratory of Record for the project). See CAC Section 4-335.

PI - Indicates special inspection may be performed by a project inspector when specifically approved by DSA.

SI - Indicates special inspection shall be performed by an appropriately qualified/approved special inspector.

Required Verified Reports:

1. Soils Testing and Inspection: Form DSA 293
2. Structural Testing and Inspection: Form DSA 291
3. Concrete Batch Plant Inspection: Form DSA 291
4. Shop Welding Inspection: Form DSA 291 or DSA 292
5. Field Welding Inspection: Form DSA 291 or Form DSA 292

Verified reports are required on the following DSA forms:

DSA 291: Laboratory of Record Verified Report
 DSA 292: Special Inspectors Employed Directly by the District Verified Report
 DSA 293: Geotechnical Verified Report

Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.

Name of Design Professional in General Responsible Charge:

Eugene Sim, AIA

Name of Structural Engineer of Record (when applicable):

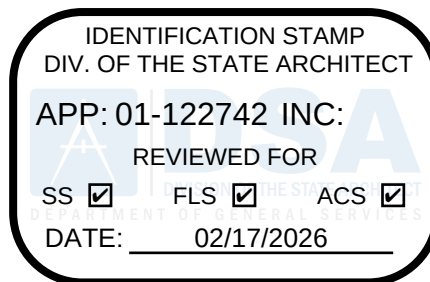
Signature of Architect or Structural Engineer: **Date:**

Eugene Sim

12/18/2025

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DSA STAMP

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Appendix: LIST OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS**NOTE:** Undefined sections and table references found in this appendix are from the CBC, or California Building Code

S1. GENERAL:	
Test or Special Inspection	Code References and Notes
S1a: Site Preparation Verify that: • Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. • Foundation excavations are extended to proper depth and have reached proper material. • Materials below footings are adequate to achieve the design bearing capacity.	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) form for exemptions.)
S2. SOIL COMPACTION AND FILL:	
Test or Special Inspection	Code References and Notes
S2a: Fill Materials Perform classification and testing of fill materials.	* Under the supervision of the geotechnical engineer.
S2b: Fill Placement Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	* By geotechnical engineer or his or her qualified representative. (Refer to specific items identified in the Appendix (end of this form) form for exemptions where soils SI and testing may be conducted under the supervision of a geotechnical engineer or LOR's engineering manager. In such cases, the LOR's form DSA 291 shall satisfy the soil SI and test reporting requirements for the exempt items.)
S2c: Compaction Compaction testing.	* Under the supervision of the geotechnical engineer. (Refer to specific items identified in the Appendix (end of this form) for exemptions where soils testing may be conducted under the supervision of a geotechnical engineer or LOR's engineering manager. In such cases, the LOR's form DSA 291 shall satisfy the soil test reporting requirements for the exempt items.)
S3. DRIVEN DEEP FOUNDATIONS (PILES):	
Test or Special Inspection	Code References and Notes
S3a: Materials and Members Verify pile materials, sizes and lengths comply with the requirements.	* By geotechnical engineer or his or her qualified representative.
S3b: Pile Capacity Determine capacities of test piles and conduct additional load tests as required.	* Under the supervision of the geotechnical engineer.
S3c: Driving Operations Inspect driving operations and maintain complete and accurate records for each pile.	* By geotechnical engineer or his or her qualified representative.

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S3d: Pile Installation Verify locations of piles and their plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and record any pile damage.	* By geotechnical engineer or his or her qualified representative.
S3e: Specialty Piles For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge.	* As defined on drawings or specifications.

S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):	
Test or Special Inspection	Code References and Note
S4a: Drilling Operations Inspect drilling operations and maintain complete and accurate records for each pier.	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
S4b: Pier Construction Verify pier locations, diameters, plumbness, bell diameters (if applicable), lengths and embedment into bedrock (if applicable); record concrete or grout volumes.	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
S4c: Bearing Strata Confirm adequate end strata bearing capacity.	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)

S5. RETAINING WALLS:	
Test or Special Inspection	Code References and Notes
S5a: Backfill Placement Placement, compaction and inspection of backfill.	1705A.6.1. * By geotechnical engineer or his or her qualified representative. (See section S2 above).
S5b: Soil Reinf. and Drainage Placement of soil reinforcement and/or drainage devices.	* By geotechnical engineer or his or her qualified representative.
S5c: Segmental Retaining Walls Segmental retaining walls; inspect placement of units, dowels, connectors, etc.	* By geotechnical engineer or his or her qualified representative. See DSA IR 18-2.

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S6 OTHER SOILS	
Test or Special Inspection	Code References and Notes
S6a Soil Improvements	Submit a comprehensive report documenting final soil improvements constructed, construction observation and the results of the confirmation testing and analysis to CGS (California Geological Survey) for final acceptance. * By geotechnical engineer or his or her qualified representative.
S6b Inspection of Soil Improvements	* By geotechnical engineer or his or her qualified representative.
S6c. Not used.	N/A
S6d. Not used.	N/A
S6e. Not used.	N/A
S6f. Not used.	N/A
S6g. Not used.	N/A
S6h. Not used.	N/A
S6i. Not used.	N/A
S6j. Not used.	N/A
S6k. Not used.	N/A
S6l. Not used.	N/A
S6m. Not used.	N/A
S6n. Not used.	N/A

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C1. CAST-IN-PLACE CONCRETE	
Test or Special Inspection	Code References and Notes
C1a: Mix Design Verify use of required design mix.	Table 1705A.3 Item 5, 1903A.5, 1903A.7, 1904A.1, 1904A.2, 1910A.1 ; ACI 318 Ch. 19, 26.4, 26.13.3.2.
C1b: Reinforcing Steel Identify, sample, and test reinforcing steel.	Table 1705A.3 Item 1, 1705A.3.9, 1908A.1, 1910A.2; ACI 318 Ch. 20 and Sections 25.2, 25.3, 25.5.1, 26.6.1; DSA IR 17-10 and BU 24-02. (See Appendix (end of this form) for exemptions.)
C1c: Concrete Material During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Table 1705A.3 Item 6, 1705A.3.9, 1905A.1.17; ASTM C31, ASTM C172; ACI 318 Sections 26.4, 26.5 & 26.12.
C1d: Strength Test Test concrete (f'_c).	1905A.1.17; ACI 318 Section 26.12.
C1e: Batch Plant Inspection Batch plant inspection: Continuous	Default of "Continuous" per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to "Periodic" subject to requirements in Section 1705A.3.3.1, or not required per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)

C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):	
Test or Special Inspection	Code References and Notes
C2a: Tendons and Anchorage Sample and test prestressing tendons and anchorages.	1705A.3.4 Table 1705A.3 Item 1, 1910A.3; ACI 318 Ch. 20 and Sections 25.2, 26.6.1.
C2b: Tendon Placement Inspect placement of prestressing tendons.	1705A.3.4, Table 1705A.3 Items 1 & 9; ACI 318 Ch. 20 and Sections 25.2, 26.6.1-26.6.3.
C2c: Concrete Strength Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	Table 1705A.3 Item 13; ACI 318 Sections 26.10.2, 26.11.2, 26.13.3.3. Special inspector to verify specified concrete strength test prior to stressing.
C2d: Stressing Operations Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	1705A.3.4, Table 1705A.3 Item 9; ACI 318 Sections 26.10.2, 26.13.1, 26.13.3.2.

C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):	
Test or Special Inspection	Code References and Notes
C3a: General Fabrication 1. Inspect fabrication of precast concrete members. * 2. Inspect reinforcement of the following precast concrete elements or system(s): a. special moment frames. b. boundary elements of special structural walls. c. coupling beams.	1705A.3 Item 1, 7. See Appendix for exemptions. *May be periodic where fabrication occurs in a PCI-certified plant. For underground structures, NPCA plant certification is acceptable. PCI MNL-116-21; PCI MNL-117-13; NPCA Quality Control Manual (QCM) 17th Edition. See IR A-15.

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C3b: General Erection Inspect erection of precast concrete members.	Table 1705A.3 Item 10.
C3c: Diaphragm Connections For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for: <ol style="list-style-type: none"> 1. Installation of the embedded parts. 2. Completion of the continuity of reinforcement across joints. 3. Completion of connections in the field. 	Table 1705A.3 Item 11.
C3d: Diaphragm Tolerances Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	Table 1705A.3 Item 12

C4. SHOTCRETE (IN ADDITION TO SECTION C1):	
Test or Special Inspection	Code References and Notes
C4a: Placement Inspect shotcrete placement for proper application techniques.	1705A.3.9, Table 1705A.3 Item 7, 1908A.1, 1908A.2, 1908A.3. See ACI 506.2 Section 3.4, and ACI 506R.
C4b: Shotcrete Material Sample and test shotcrete (f'_c).	1908A.2 and 1705A.3.9.

C5. POST-INSTALLED ANCHORS:	
Test or Special Inspection	Code References and Notes
C5a: Inspection Inspect installation of post-installed anchors	1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8 (See Appendix (end of this form) for exemptions). ACI 318 Sections 26.7.2, 26.13.1, 26.13.3.2, 26.13.3.3. * May be performed by the project inspector when specifically approved by DSA.
C5b: Test Test post-installed anchors.	1910A.5. (See Appendix (end of this form) for exemptions.)

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C6. OTHER CONCRETE:	
Test or Special Inspection	Code References and Notes
C6a. Not used.	N/A
C6b. Not used.	N/A
C6c. Not used.	N/A
C6d. Not used.	N/A
C6e. Not used.	N/A
C6f. Not used.	N/A
C6g. Not used.	N/A
C6h. Not used.	N/A
C6i. Not used.	N/A
C6j. Not used.	N/A
C6k. Not used.	Not used.
C6l. Not used.	Not used.

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M1. STRUCTURAL MASONRY:	
Test or Special Inspection	Code References and Notes
M1a: Mill Certificates - Reinf. Mill certificate indicates compliance with requirements for reinforcement, anchors, ties, fasteners and metal accessories. See item C1(b) for identification, sampling and testing of reinforcing steel.	2103A.4; TMS 602-16 Article 1.5B.2 & 2.4. * To be performed by qualified LOR representative. Applicable testing by LOR. See IR 17-10 for unidentified reinforcing steel.
M1b: Material Certificates Producer's certificate of compliance for masonry units, mortar and grout materials.	1705A.4, 2103A.2, 2103A.3, 2103A.5; TMS 602 Articles 1.5B.2, 2.1, 2.2, 2.6A and 2.6B, and Table 6 footnote 3.
M1c: Strength Test Test masonry (f_m).	1705A.4. For Unit Strength: 2105A.3; TMS 602 Articles 1.4B.2, 1.5B.1 & 1.5B.2. For Prism (required when $f_m > 2000$ psi): 2105A.2; TMS 602 Articles 1.4B.3, 1.4B.4, 1.5B.1 & 1.5B.2.
M1d: Mortar Proportions Verify proportions or properties of site-prepared, premixed or preblended mortar.	TMS 602, Table 3 (row 5), Table 4 Item 1a. DSA PR 20-01. (See Appendix (end of this form) for exemptions.)
M1e: Grout Proportions Verify proportions or properties of site-prepared, premixed or preblended grout.	TMS 602, Table 3 (row 5), Table 4 Item 2d. (See Appendix (end of this form) for exemptions.)
M1f: Batch Plant Inspection Batch plant inspection: Periodic	Default of ' Continuous ' per 1705A.3.3 . If approved by DSA, batch plant inspection may be reduced to ' Periodic ' subject to requirements in Section 1705A.3.3.1 , or not required per 1705A.3.3.2 . See IR 17-13. Refer to TMS 602 Table 3 and Table 4, Item #3a. (See Appendix (end of this form) for exemptions.)
M1g: Core Tests Test core-drilled samples.	2105A.4. (See Appendix (end of this form) for exemptions.)
M1h: Prisms Inspect preparation of prisms.	TMS 602 Articles 1.4.B.3 & 1.4.B.4 & Table 4 Item 4.
M1i: Dowels and Supports Verify size, location and condition of all dowels, construction supporting masonry, etc.	
M1j: Reinforcement and Members Verify size, grade and type of reinforcement, connectors, and anchor bolts. Verify size and location of structural members.	TMS 602 Table 4, Items 1c & 3c.
M1k: Reinforcement Placement Inspect placement of reinforcement, anchor bolts, and connectors.	TMS 602 Table 4 Item 2c.
M1l: Grout Placement Placement, consolidation, and reconsolidation of grout.	TMS 602 Table 4 Item 3h.
M1m: Unit Layout and Joints Inspect placement of masonry units and construction of mortar joints.	TMS 602 Table 4 Item 3b.
M1n: Cold/Hot Weather Work Verify preparation, construction and protection of masonry during cold weather (temperature below 40° F) or hot weather (temperature above 90° F).	TMS 602 Table 4 Item 3f. * May be performed by the project inspector when specifically approved by DSA.
M1o: Anchors and Embeds Inspect type, size and location of anchors and all other items to be embedded in masonry including other details of anchorage of masonry	TMS 602 Table 4 Item 3d.

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to structural members, frames and other construction.	
M1p: Grout Cavity Inspect grout space, including mortar protrusions, prior to placement of grout.	TMS 602 Table 4 Item 2a.

M2. VENEER OR GLASS BLOCK PARTITIONS:	
Test or Special Inspection	Code References and Notes
M2a: Mortar and Grout Verify proportions of site prepared mortar and grout and/or verify certification of premixed mortar.	TMS 602 Table 3 (row 5) and Table 4 Items 1a & 2d.
M2b: Unit Layup and Joints Inspect placement of units and construction of mortar joints.	TMS 602 Table 4 Item 3b.
M2c: Wires and Connector Inspect placement of wire, connectors and anchors	TMS 602 Table 4 Item 2c.
M2d: Anchors and Embeds Inspect type, size and location of anchors and all other items to be embedded in masonry veneer including details of anchorage of masonry to veneer backing, frames and other construction.	TMS 602 Table 4 Item 3d.
M2e: Cold/Hot Weather Work Verify preparation, construction and protection of masonry during cold weather (temperature below 40° F) or hot weather (above 90° F).	TMS 602 Table 4 Item 3f. * May be performed by the project inspector when specifically approved by DSA.
M2f: Adhered Veneer Bond Test adhered veneer bond strength.	1410.2.1 (Field-constructed mock-up using specified unit, mortar, and substrate, laboratory tested in accordance with ASTM C1823).

M3. POST-INSTALLED ANCHORS IN MASONRY:	
Test or Special Inspection	Code References and Notes
M3a: Inspection Inspect installation of post-installed anchors	1617A.1.19, 1705A.4, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic); ACI 318 Section 26.13. * May be performed by the project inspector when specifically approved by DSA. (See Appendix (end of this form) for exemptions.)
M3b: Test Test post-installed anchors.	1705A.4, 1910A.5. (See Appendix (end of this form) for exemptions.)

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M4. OTHER MASONRY:	
Test or Special Inspection	Code References and Notes
M4a. Not used.	N/A
M4b. Not used.	N/A
M4c. Not used.	N/A
M4d. Not used.	N/A
M4e. Not used.	N/A
M4f. Not used.	N/A
M4g. Not used.	N/A
M4h. Not used.	N/A
M4i. Not used.	N/A
M4j. Not used.	N/A
M4k. Not used.	Not used.
M4l. Not used.	Not used.

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S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES	
Test or Special Inspection	Code References and Notes
S/A1a: Material Identification Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	Table 1705A.2.1 Item 3a–3c. 2202A.1; AISI S100 Section A3.1 & A3.2, AISI S240 Section A3 & A5, AISI S220 Sections A4 & A6. *By special inspector or qualified technician when performed off-site.
S/A1b: Unidentified Material Test unidentified materials	2202A.1.
S/A1c: Steel Fabrication Verify and document steel fabrication per DSA- approved construction documents.	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
S/A1d: Buckling Restrained Brace Verify and document steel fabrication per DSA-approved construction documents.	Testing and special inspections in accordance with IR 22-4. For DSA accepted fabrication shops, BRB manufacturer's Certificate of Compliance in lieu of testing and special inspections. See IR 22-4.

S/A2. HIGH-STRENGTH BOLTS:	
Test or Special Inspection	Code References and Notes
S/A2a: Product Verification Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	Table 1705A.2.1 Items 1a & 1b, 2202A.1; AISC 360 Section A3.3, J3.1, and N3.2; RCSC Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.
S/A2b: Bolts, Nuts, and Washers Test high-strength bolts, nuts and washers.	Table 1705A.2.1 Item 1c, 2213A.1; RCSC Section 7.2; DSA IR 17-8.
S/A2c: Snug Tight Bearing-type ("snug tight") connections.	Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2; AISC 360 J3.1, J3.2, M2.5 & N5.6; RCSC Section 9.1; DSA IR 17-9.
S/A2d: Pretensioned / Slip-Critical Pretensioned and slip-critical connections.	Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2; AISC 360 J3.1, J3.2, M2.5 & N5.6; RCSC Sections 9.2 & 9.3; DSA IR 17-9 **"Continuous" or "Periodic" depends on the tightening method used.

S/A3. WELDING:	
Test or Special Inspection	Code References and Notes
S/A3a: Weld Material Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
S/A3b: Certificate of Compliance Verify weld filler material manufacturer's certificate of compliance.	DSA IR 17-3.
S/A3c: WPS and Qualifications Verify WPS, welder qualifications and equipment.	DSA IR 17-3.

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S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):	
Test or Special Inspection	Code References and Notes
S/A4a: Weld Category A Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Table 1705A.2.1 Items 5a.1–4; AISC 360 (and AISC 341 as applicable); DSA IR 17-3.
S/A4b: Weld Category B Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6; AISC 360 (and AISC 341 as applicable); DSA IR 17-3.
S/A4c: Stairs and Railing Inspect welding of stairs and railing systems.	1705A.2.1; AISC 360 (and AISC 341 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
S/A4d: Reinf. Steel Weldability Verification of reinforcing steel weldability other than ASTM A706.	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
S/A4e: Reinforcing Steel Inspect welding of reinforcing steel.	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.

S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):	
Test or Special Inspection	Code References and Notes
S/A5a: Weld Category A Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Table 1705A.2.1 Items 5a.1–4; AISC 360 (AISC 341 as applicable); DSA IR 17-3.
S/A5b: Weld Category B Inspect single-pass fillet welds ≤ 5/16".	Table 1705A.2.1 Item 5a.5; AISC 360 (AISC 341 as applicable); DSA IR 17-3.
S/A5c: End Welded Studs Inspect end-welded studs (ASTM A-108) installation (including bend test).	2213A.2; AISC 360 (AISC 341 as applicable); AWS D1.1; DSA IR 17-3.
S/A5d: Deck Welds Inspect floor and roof deck welds.	1705A.2.2, Table 1705A.2.1 Item 5a.6; AISC 360 (AISC 341 as applicable); AWS D1.3; DSA IR 17-3.
S/A5e: Cold-Formed Steel Inspect welding of structural cold-formed steel.	1705A.2.5; AWS D1.3; DSA IR 17-3. The quality control provisions of AISI S240 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.
S/A5f: Stairs and Railing Inspect welding of stairs and railing systems.	1705A.2.1; AISC 360 (AISC 341 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
S/A5g: Reinf. Steel Weldability Verification of reinforcing steel weldability.	1705A.3.1; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
S/A5h: Reinforcing Steel Inspect welding of reinforcing steel.	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.

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S/A6. NONDESTRUCTIVE TESTING:	
Test or Special Inspection	Code References and Notes
S/A6a: Ultrasonic Ultrasonic	1705A.2.1, Table 1705A.2.1 Item 4c, 1705A.2.5; AISC 341 J6.2, AISC 360 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
S/A6b: Magnetic Particle Magnetic Particle	1705A.2.1, Table 1705A.2.1 Item 4c, 1705A.2.5; AISC 341 J6.2, AISC 360 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
S/A6c: Not used.	N/A
S/A6d: Not used.	N/A
S/A6e: Not used.	N/A

S/A7. STEEL JOISTS AND TRUSSES:	
Test or Special Inspection	Code References and Notes
S/A7a: Fabrication Verify size, type and grade for all chord and web members as well as connectors and weld filler material; verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist.	1705A.2.3, Table 1705A.2.3; AWS D1.1; DSA IR 22-3 for steel joists only. 1705A.2.4; AWS D1.3 for cold-formed steel trusses.

S/A8. SPRAYED FIRE-RESISTANT MATERIALS:	
Test or Special Inspection	Code References and Notes
S/A8a: Surface and Installation Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA-approved documents.	1705A.15, 1705A.15.1, 1705A.15.2, 1705A.15.3, 1705A.15.4, 1705A.15.5, 1705A.15.6.
S/A8b: Density Test density.	1705A.15.1, 1705A.15.5, ASTM E605
S/A8c: Bond: Adhesion/Cohesion Bond strength adhesion/cohesion.	1705A.15.1, 1705A.15.6, ASTM E736

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S/A9. ANCHOR BOLTS AND ANCHOR RODS:	
Test or Special Inspection	Code References and Notes
S/A9a: Anchor Rods and Bolts Anchor Bolts and Anchor Rods	Identify, sample and test anchor bolts and anchor rods not meeting exemptions identified in Section 1 of IR 17-11.
S/A9b: Other Threaded Rods Threaded rod not used for foundation anchorage.	Identify, sample and test threaded rods not meeting exemptions identified in Section 1 of IR 17-11.

S/A10. STORAGE RACK SYSTEMS:	
Test or Special Inspection	Code References and Notes
S/A10a: Material Verification Materials used, to verify compliance with one or more of the material test reports in accordance with the approved construction documents.	Table 1705A.13.7
S/A10b: Fabrication Fabricated storage rack elements.	1704A.2.5; Table 1705A.13.7
S/A10c: Anchorage Storage rack anchorage installation.	ANSI/MH16.1 Section 7.3.2; Table 1705A.13.7
S/A10d: Completed System Completed storage rack system to indicate compliance with the approved construction documents.	Table 1705A.13.7; * May be preformed by the project inspector when specifically approved by DSA.

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S/A11. Other Steel	
Test or Special Inspection	Code References and Notes
S/A11a. Not used.	N/A
S/A11b. Not used.	N/A
S/A11c. Not used.	N/A
S/A11d. Not used.	N/A
S/A11e. Not used.	N/A
S/A11f. Not used.	N/A
S/A11g. Not used.	N/A
S/A11h. Not used.	N/A
S/A11i. Not used.	N/A
S/A11j. Not used.	N/A
S/A11k. Not used.	Not used.
S/A11l. Not used.	Not used.

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W1. PREFABRICATED WOOD TRUSSES:	
Test or Special Inspection	Code References and Notes
W1a: Open Web Truss Fabrication Inspect fabrication of manufactured open-web trusses.	1705A.5.6 ; DSA IR 23-8.
W1b: Metal Plate Truss Fabrication Inspect fabrication of manufactured metal-plate- connected trusses.	1705A.5.6, 1705A.5.7 ; DSA IR 23-4.
W2. MANUFACTURED WOOD STRUCTURAL ELEMENTS:	
Test or Special Inspection	Code References and Notes
W2a: GLS Timber Fabrication Inspect fabrication of structural glued-laminated timber.*	* See 1705A.5.5 for exceptions
W2b: CLT Fabrication Inspect fabrication of cross-laminated timber.	1705A.5.5
W2c: Mass Timber Erection Inspect erection of mass timber.	Table 1705A.5.3 , Item 2
W2d: Connections Type A Inspect mass timber connections with threaded fasteners, bolts, and/or adhesive anchors other than described in item e below. Inspect concealed mass timber connections.	Table 1705A.5.3 , Items 3.1, 3.3, 3.4, 3.5. For threaded fasteners: Verify use of proper installation equipment. Verify use of pre-drilled holes where required. Inspect screws, including diameter, length, head type, spacing, installation angle, and depth.
W2e: Connections Type B Inspect mass timber connections with adhesive anchors installed in a horizontal or upward orientation.	Table 1705A.5.3 , Item 3.2
W2f: Sealants Inspect application of sealants or adhesives applied to mass timber elements.	1705A.20

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W3. OTHER Wood:	
Test or Special Inspection	Code References and Notes
W3a. Not used.	N/A
W3b. Not used.	N/A
W3c. Not used.	N/A
W3d. Not used.	N/A
W3e. Not used.	N/A
W3f. Not used.	N/A
W3g. Not used.	N/A
W3h. Not used.	N/A
W3i. Not used.	N/A
W3j. Not used.	N/A
W3k. Not used.	Not used.
W3l. Not used.	Not used.

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X1. OTHER:	
Test or Special Inspection	Code References and Notes
X01. Load test for identified product(s):	1709A.2, 1709A.3. Testing is not required for: 1) a product with a valid evaluation service report per DSA IR A-5, or 2) a product that can be justified by structural calculation.
X02. Installation torque for non-HS bolts on communication tower identified as essential service facility projects (ESFP).	Calibrated wrench use required, verified by SI during installation. DSA Policy PL 18-01: Communication Towers, Poles and Buildings Utilized by State Agencies for Essential Services Communications. *EXCEPTION: Non-ESFP may use PI without need for notification to DSA.
X03. Not used.	N/A
X04. Not used.	N/A
X05. Not used.	N/A
X06. Not used.	N/A
X07. Not used.	N/A
X08. Not used.	N/A
X09. Not used.	N/A
X10. Not used.	N/A

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EXEMPTIONS

SOILS - EXEMPTIONS:

Soils: Eligible shallow foundation elements | Shallow foundations, are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception Item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC, Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill with depth not exceeding 12". These exempt structures shall be identified on the approved construction documents.

Soils: Eligible deep foundation elements, Type 1 | Deep foundation acting as cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report are exempt from special inspection and testing by a Geotechnical Engineer for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.). These exempt structures shall be identified on the approved construction documents.

Soils: Eligible deep foundation elements Type 2 | Deep foundation acting as cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report are exempt from special inspection and testing by a Geotechnical Engineer for the following cases: A) single-story open fabric shade structure, or B) covered walkway structure with an apex height less than 10'-0" above adjacent grade. These exempt structures shall be identified on the approved construction documents.

CONCRETE/MASONRY - EXEMPTIONS:

Concrete/Masonry: Eligible post-installed anchors | Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment – see item 7 for "Welding" in the Appendix below) given in CBC Section 1617A.1.18 or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding" in the Appendix below.

Concrete: Batch plant inspection for items listed in and complying with CBC Section 1705A.3.3.2. | Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.

Concrete: Epoxy shear dowels in nonstructural slab-on-grade per CBC Section 1910A.5.4, Exception #4. | Epoxy shear dowels in site flatwork and/or other nonstructural concrete.

Concrete/Masonry: Reinforcing bar testing for items listed in and complying with CBC Section 1910A.2. | Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section. These exempt structures shall be identified on the approved construction documents.

Masonry: Freestanding site walls and retaining walls per DSA IR 21-1. | Freestanding and site retaining masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1.

Eligible precast elements | Structural tests and special inspections are not required for the following concrete precast elements. Provide a certificate of compliance at delivery. Exemptions shall be identified on the approved construction documents.

1. Underground vaults no greater than 5 feet x 5 feet x unlimited height and pipe manufactured to an ASTM standard, 5 foot or less in diameter.
2. Elements manufactured in a PCI or NPCA certified manufacturing plant:

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| A. | Underground vaults no greater than 16 feet in both length and width, of unlimited height, not subject to loading greater than HS 20-44. |
| B. | Pipe. |
| C. | Stair treads, landing planks. |

WELDING - EXEMPTIONS:

Welding: Eligible fences and gates | Fences, gates with maximum leaf span of 10', and gates with a maximum rolling section of 10' all having an apex height less than 8'-0" above lowest adjacent grade.

Welding: Eligible railing and ramps | Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade; fillet welds shall not be ground flush.

Welding: Eligible interior cold-formed steel framing | Non-bearing non-shearwall interior cold-formed steel framing spanning less than 15'-0" in height and header less than 10'-0" in opening width, such as in interior partitions, interior soffits, etc.

Welding: Eligible equipment curbs | Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection.)

Welding: Eligible components supporting MEP distribution systems | Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection.)

Welding: Eligible mounts and recreational equipment | TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection.)

Welding: Eligible nonstructural components | Any support for exempt non-structural components given in CBC Section 1617A.1.18 meeting the following: A) when supported on a floor/roof, <400# or resulting composite center of mass (including component's center of mass) $\leq 4'$ above supporting floor/roof, B) when hung from a wall or roof/floor, and <20# for discrete units or <5 plf for distributed systems.

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