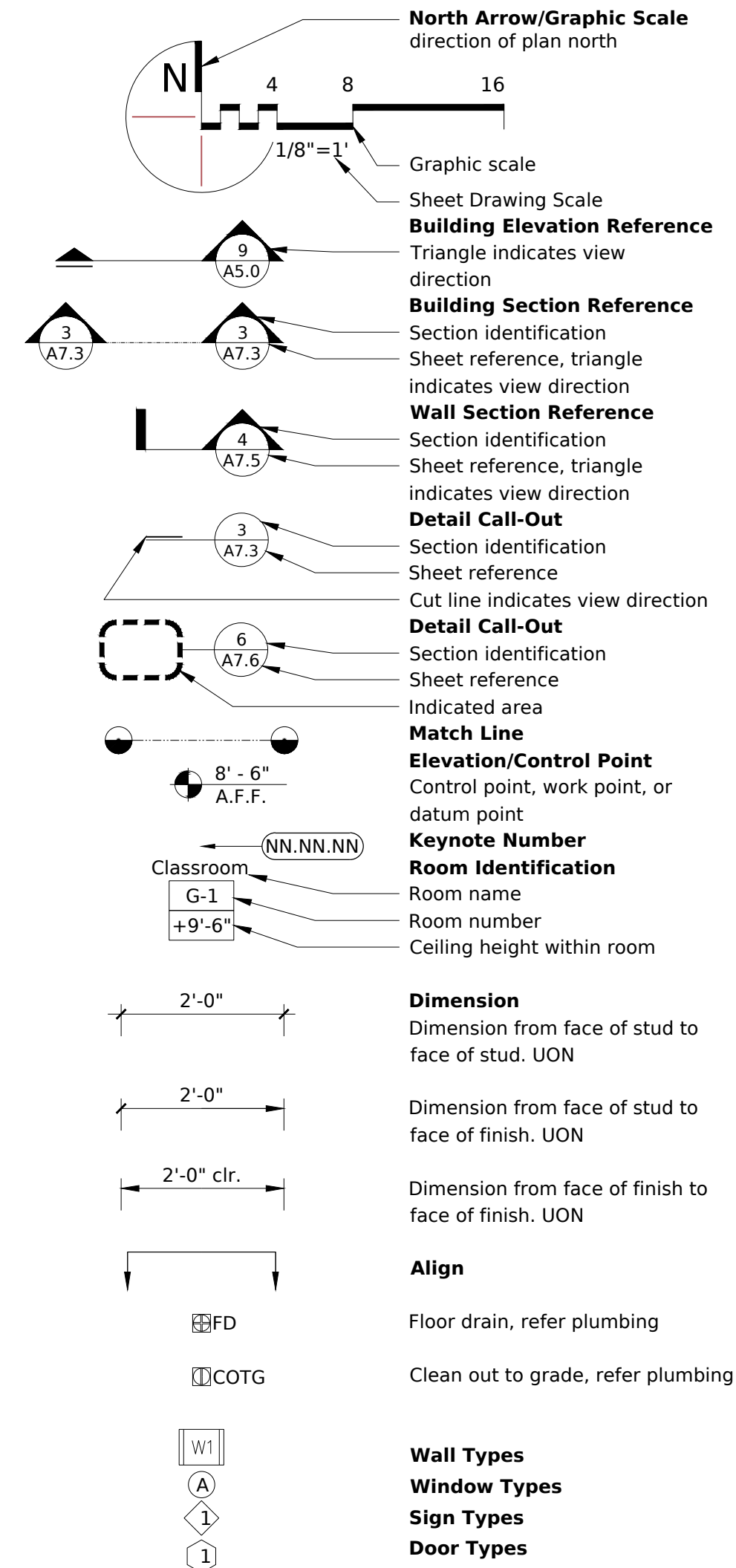


Legend & Symbols



Abbreviations

(E)	Existing	INT	Interior
(N)	New	INV	Invert
(R)	Remove	IT	Information Technology
A (B)	Anchor Bolt	J H	Joist Hanger
A C	Asphaltic Concrete	JT	Joint
ADJ	Adjustable	LAM	Laminate
A F F	Above Finished Floor	LAV	Lavatory
ALUM	Aluminum	LLV	Long Leg Vertical
ANCH	Anchor	LT	Light
ARCH	Architectural	MAX	Maximum
ASPH	Asphalt	M B	Marker Board
BD	Board	MFR	Manufacturer
BLDG	Building	M H	Manhole
BLK	Block	MIN	Minimum
BLKG	Blocking	MTD	Mounted
BN	Bear	MTL	Metal
BOT	Bottom	MUL	Mullion
B/T	Between	N A	Not Applicable
C	Conduit	N I C	Not In Contract
C B	Catch Basin	NOM	Nominal
C I	Cast Iron	N R	Not Required
C J	Construction Joint	N T S	Not To Scale
C O T G	Clean Out To Grade	O C	On Center
CAB	Cabinet	O H	Overhang
CLG	Ceiling	OPG	Opening
CLR	Clear	OPP	Opposite
COL	Column	P H M	Panic Hardware
CONC	Concrete	P LAM	Plaster Laminate
CONST	Construction	PL	Plate
CONT	Continuous	PLYWD	Plywood
CORR	Corridor	P O C	Point of Connection
CTR	Center	PR	Pair
CTSK	Countersink	P T D F	Pressure Treated Douglas Fir
CUST	Custodial	R D	Roof Drain
C W	Cold Water	R O	Rough Opening
D F	Drinking Fountain	R W L	Rain Water Leader
D S	Downspout	REF	Refer To:
D S P	Dry Standpipe	REINF	Reinforced
DBL	Double	REOD	Required
DET	Detail	RM	Room
DIA	Diameter	S A T	Suspended Acoustical Ceiling
DIM	Dimension	S B	Solid Blocking
DN	Down	S C	Solid Core
DWG	Drawing	S C D	Seat Cover Dispenser
E F	Exhaust Fan	SCH	Schedule
E J	Expansion Joint	SD	Soap Dispenser
E P	Electrical Panel	SEC	Section
EA	Each	SH	Sheet
ELEC	Electrical	SHTHG	Sheathing
ELEV	Elevation	S N D	Sanitary Napkin Dispenser
ENHR	Emergency	S O V	Shut Off Valve
EQ	Equal	SPEC	Specification
E/S	Each Side	SPL	Splash
EQUIP	Equipment	S S	Sewer System
F A	Fire Alarm	STA	Station
F D	Floor Drain	STD	Standard
F E	Fire Extinguisher	STO	Storage
F H	Fire Hydrant	STRUC	Structural
FDN	Foundation	SUSP	Suspended
FIN	Finish	T B	Tack Board
F O C	Face Of Concrete	T O C	Top Of Concrete
F O M	Face Of Masonry	T O P	Top Of Plate
F O F	Face Of Finish	T O S	Top Of Slab
F O S	Face Of Stud	T O W	Top Of Wall
FRMG	Framing	T P D	Toilet Paper Dispenser
FTG	Footing	TYP	Typical
FUT	Future	U O N	Unless Otherwise Noted
G B	Grab Bar	UR	Urinal
G I	Galvanized Iron	V C T	Vinyl Composite Tile
GAL	Galvanized	V C TB	Vinyl Covered Tackboard
GALV	Galvanized	VEST	Vestibule
GL	Glass	W	Waste
GR	Grade	W B	White Board
H B	Hose Bib	W C	Water Closet
HR	Hour	W H	With
HT	Height	W/O	Without
I D	Inside Diameter	W D	Wood
I E	Invert Elevation	WP	Waterproof
INSUL	Insulation	WT	Weight

General Notes

DSA IS NOT SUBJECT TO ARBITRATION
All work performed under the conditions of these drawings shall comply in every respect with the following:
2025 California Administrative Code (CAC), Part 1, Title 24 CCR*
2022 California Building Code (CBC), Part 2, Title 24 CCR
(2021 International Building Code, Vol. 1 & 2, and 2022 California amendments)
2022 California Electrical Code (CEC), Part 3, Title 24 CCR
(2021 National Electrical Code and 2022 California Amendments)
2022 California Mechanical Code (CMC), Part 4, Title 24 CCR
(2021 IAPMO Uniform Mechanical Code and 2022 California amendments)
2022 California Plumbing Code (CPC), Part 5, Title 24 CCR
(2021 IAPMO Uniform Plumbing Code and 2022 California amendments)
2022 California Energy Code (CEC), Part 6, Title 24 CCR
2022 California Fire Code (CFC), Part 9, Title 24 CCR
(2021 International Fire Code and 2022 California Amendments)
(2022 California Existing Building Code (CEBC), Part 10, Title 24 CCR
(2021 International Existing Building Code and 2022 California Amendments)
2022 California Green Building Standards Code (CALGreen), Part 11, Title 24 CCR
2022 California Referenced Standards Code, Part 12, Title 24 CCR
Title 19 CCR, Public Safety, State Fire Marshal Regulations
2019 ASME A17.1/CSA B44-19 Safety Code for Elevators and Escalators (per 2022 CBC Part 2 Ch 35)
Note: Cal/OSHA Elevator Unit enforces CCR Title 8 and uses the 2004 ASME A17.1 by adoption
Manual of Steel Construction, 15th Edition
2022 National Design Specification for Wood Construction
ACI-318-14 Code & Commentary
NFPA 13 (2022) - Standard for the Installation of Sprinkler Systems (CA amended)
NFPA 14 (2019) - Standard for the Installation of Standpipe and Hose Systems (CA amended)
NFPA 17 (2021) - Standard for Dry Chemical Extinguishing Systems
NFPA 17A (2021) - Standard for Wet Chemical Extinguishing Systems
NFPA 20 (2019) - Standard for the Installation of Stationary Pumps for Fire Protection
NFPA 22 (2021) - Standard for Water Tanks for Private Fire Protection
NFPA 24 (2019) - Standard for the Installation of Private Fire Service Mains and their Appurtenances (CA amended)
NFPA 72 (2022) - National Fire Alarm and Signaling Code (CA amended)
NFPA 80 (2019) - Standard for Fire Doors and Other Opening Protectives
NFPA 2001 (2018) - Standard on Clean Agent Fire Extinguishing Systems (CA amended)
UL 300 (2005, R2019) - Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment
UL 464 (2003, R2017) - Audible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories
UL 521 (1999, R2005) - Standard for Heat Detectors for Fire Protective Signaling Systems
UL 1971 (2002, R2010) - Standard for Signaling Devices for the Hearing Impaired
ICC 300 (2021) - Standard for Bleachers, Folding and Telescopic Seating, and Grandstands
For a complete list of applicable NFPA standards refer to 2022 CBC (SFM) Chapter 35 and California Fire Code Chapter 80.
See California Building Code Chapter 35 for State of California amendments to the NFPA Standards.
*All parts of the 2022 California Building Standards Code effective on January 1, 2023, Errata effective on January 1, 2023, Supplement effective on July 1, 2024.
2010 ADA Standards for Accessible Design
Grading plans, drainage improvements, road and access requirements and environmental health considerations shall comply with all local ordinances.
Americans with Disabilities Act
It is the intent of these Documents to meet guidelines for accessibility to this public place of accommodation, by individuals with disabilities. These guidelines have been applied during design and shall be applied during construction to the extent required by CBC, DSA, and Federal agencies under the Americans with Disabilities Acts of 1990. If the Owner, Contractor or any Subcontractors become aware of any assembly or condition, either shown in the Drawings or constructed on-site, which does not, in their opinion, satisfy this intent or meet industry standards for construction quality, it is their responsibility to notify the Architect within a reasonable amount of time so that the condition be assembled can be reviewed, and, if necessary, modifications can be made to the Documents or to the Work without impacting the progress.
California Title 24
The intent of these drawings and specifications is that the work of the alteration is to be in accordance with Title 24, CCR. Should any existing conditions such as deterioration or non-complying construction be discovered which is not covered by the contract documents wherein the finished work will not comply with Title 24, CCR, a construction change documents, or a separate set of plans and specifications, detailing and specifying the required work shall be submitted to and approved by DSA before proceeding with the work, (Section 4-317(c), Part 1, Title 24, CCR)
Administrative Requirements
Administration of construction contract shall be per 2022 Part I, Title 24 California Code of Regulations (CCR): Duties of Architect, Structural Engineer or Professional Engineer per Section 4-333(a) & 4-341. Duties of Contractor per Section 4-343. Supervision by DSA per Section 4-334.
The Contractor shall keep a copy of Title 24, Part I & II, available in field during construction.
Start of Construction
DSA shall be notified at Start of Construction per Section 4-331.
Changes
Work shall be executed strictly in accordance with approved plans, addenda, and change orders. 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 I, Title 24, CCR.
Inspections
A "DSA Certified" project inspector employed by the District (Owner) and approved by the DSA shall provide continuous inspection of the work. The duties of the Inspector are defined in section 4-342, Part I, Title 24, CCR. A minimum Class 3 Inspector per Section 4-333.1 required.
Testing
Tests & Testing Laboratory, required by T&I list, shall be accomplished in accordance with Section 4-335, Special inspections per Section 4-333(c). Lab shall be hired by the District. Laboratory shall be accepted by DSA and perform all required tests and inspections for this project.
Reports
Contractor, Inspector, Architect, Engineers shall submit verified reports per Section 4-336 & 4-343(c).
Site Examination
The Contractor shall thoroughly examine the site and satisfy himself as to the conditions under which the Work is to be performed. The Contractor shall verify at the site all measurements and conditions affecting his work and shall be responsible for same unless brought to the attention of the Owner or his agent prior to proceeding with the Work. Commencement of work by Contractor or any Subcontractor shall indicate a knowledge and acceptance of all conditions described in the Documents or existing on site which could affect their work.
Moisture Proof Interior Spaces
It is the intent of these Documents to provide for the construction of a moisture proof enclosure of interior space. If the Owner, Contractor or any Sub-contractors become aware of any assembly or condition, either shown in the Drawings or constructed on-site, which does not, in their opinion, satisfy this intent, it is their responsibility to notify the Architect within a reasonable amount of time so that the condition or assembly can be reviewed, and, if necessary, modifications can be made to the Documents or to the Work

without impacting the progress.
Moisture Protection During Construction
Should any special situations or climatic conditions occur during construction the Owner, Contractor and Sub-contractors shall so notice and implement any measures required to assure the protection of materials and assemblies. The Contractor shall take all necessary measures to protect new or existing construction and materials from damage due to weather or any other adverse conditions.
Use of Site
Work shall occur while portions of the site are occupied by the Tenant. Contractor is fully responsible for site safety and control of public access near work zones. Roadways shall be maintained clear of construction equipment or materials at all times. Existing landscaping shall be protected as required to prevent any damage to plants and trees unless specified for removal in plans or by Owner.
Use of Documents
No guarantee for quality of construction is implied or intended by these Documents. The Contractor shall assume full responsibility for any construction deficiencies.
All Contract Documents described in the Construction Contract shall be considered one document and are intended to be used as one document. Contractor and all sub-contractors shall review all documents prior to bidding. Sub-contractors are responsible for any information pertaining to their work no matter where it may occur in these Documents.
Dimension Control
All dimensions and conditions shall be checked and verified, both in the Documents and on the job, by Contractor and each Sub-contractor before proceeding with the work. Any errors, omissions, discrepancies or deficiencies shall be brought to the attention of the General Contractor prior to proceeding with the Work. All dimensions take precedent over scale. Where dimensions are not entirely clear the Contractor shall notify the Architect and request clarification.
DRAWINGS SHALL NOT BE SCALED

General Construction Document Notes
All dimensions given take precedence over scale. Contractor shall not scale drawings to determine dimensions without consulting the Architect.
Contractor shall review all dimensions for accuracy prior to construction. Dimensions given as "CLR" are to face of finish. Otherwise, all dimensions are to face of stud/structure unless other wise noted.
Repeating items or assemblies may not be noted or dimensioned at all occurrences where repetition is obvious or noted as typical.
Refer to Demolition Plan for items to remain, items to be salvaged and/or relocated. Unless indicated elsewhere.
Refer to Opening Schedule for new windows, doors, and store front systems. Unless indicated elsewhere.
Refer to Casework Schedule for casework, countertops, and bookcases. Unless indicated elsewhere.
Refer to Interior Elevations for locations of all trims, fixtures, casework, and accessories. Unless indicated elsewhere.
Refer to Structural and Electrical drawings for information and requirements. Not necessarily indicated in Architectural drawings.
Refer to Electrical drawings for location of light fixtures, switches, etc. Contractor shall coordinate framing to accommodate recessed fixtures and other items with critical locations.
Refer to Structural Drawings for location of special floor and wall framing, special connections, anchorages.
Contractor shall include all required concrete sawcutting and concrete repair for (N) underground plumbing and electrical work.
Electrical and operable devices to be max 48" to top of device U.N.O.
All items not identified as "(E)" or "Existing" are new.
Compliance with 2022 CFC Chapter 33 Fire Safety during construction and demolition and CBC Chapter 33, safeguards during construction will be enforced.

General DSA Notes
No changes or revisions shall be made following written approval which affects access compliance items unless such changes or revisions are submitted to the DSA for approval.
Substitutions affecting DSA regulated items shall be submitted as a construction change document or addenda, and shall be approved by DSA prior to fabrication and installation.
Construction change documents must be signed by the following:
• Architect of Record AND
• Structural Engineer (When applicable)
• Delegated professional engineer
• DSA
Materials and their installation shall comply with applicable codes, standards and manufacturer's recommendations.
Per CBC 11B-104.1 "All dimensions are subject to conventional industry tolerances except where the requirement is stated as a range with specific minimum and maximum end points.
Fire Safety during construction &demolition will be enforced in accordance with Chapter 33 of the CBC & CFC, and the written site fire safety plan.

No deferred submittals for this project.

Deterioration or Existing Non-Compliant Construction
If any condition is discovered which, if left uncorrected, would make the building non-compliant with the requirements of the edition of the CBC in force at the time of original construction, the condition must be corrected in accordance with current code requirements. A construction change document (CCD Type A), or a separate set of plans and specifications detailing and specifying the required repair work shall be submitted to and approved by DSA before proceeding with the repair work or where tolerances are specifically called out on drawings or specifications.

Statement of General Conformance
The drawings, specifications and calculations for the items as indicated on drawing index have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. These documents have been examined by me for design intent and have been found to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me.

The items listed below have been Coordinated with my plans and specifications and are acceptable for incorporation into the construction of this project for which I am the individual designated to be in general responsible charge.

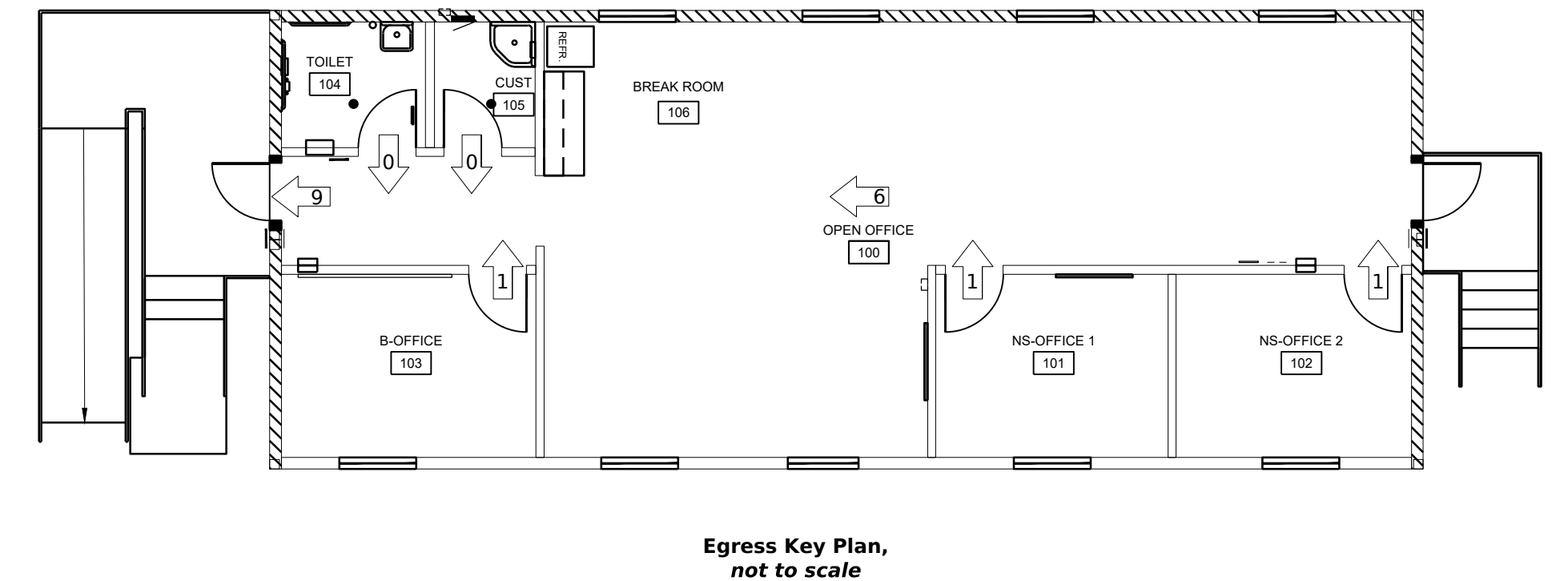
The statement of General Conformance "shall not be constructed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-344" of Title 24, Part 1, (Title 24, Part 1, Section 4-316(b))

Items reviewed and accepted: All Structural, Mechanical, Plumbing, Electrical, Fire Alarm, and Fire Suppression drawings, specifications, and calculations.

Mark Bartos, Architect, Bartos Architecture
CA Lic. 24138 Exp. 31-Mar-27

Code Analysis

Dist. Office Annex Portable	Room	Description	Function	Area (sf)	Load Factor	Occ. Load (net)	Intervening Room	Common Path of Egress Travel (ft)	Number of Exits Required	Number of Exits Provided	Exit Access Travel Distance (ft)
	100	Open Office	Business	847	150	6	N/A	<75	1	2	<200
	101	NS Office-1	Business	116	150	1	Lobby	<75	1	1	<200
	102	NS office-2	Business	116	150	1	Lobby	<75	1	1	<200
	103	B- Office	Business	116	150	1	Lobby	<75	1	1	<200
	104	Toilet Room	Toilet Room	50	0	0	Clinic	<75	1	1	<200
	105	Custodian Closet	Toilet Room	35	0	0	Work Room	<75	1	1	<200
	106	Breakroom	Kitchenette	-	0	0	Lobby	<75	1	1	<200



South San Francisco Unified School District

District Office Annex Portable

DSA Application 01-122646

South San Francisco, CA

Project Scope

Below is a summary of project scope. Not all scope items are listed below. Refer to all contract documents for an exhaustive list of scope included in this project. If contractor does not intend to provide any of these items, contractor should not submit a bid on this project.

Install (N) relocatable unit for District Office Annex building. Remove any existing components in the area of work to facilitate new construction. Install (N) fencing. Remove all (E) striping in area of work. Install (N) parking and driveway striping. Install (N) slurry seal in area of work. Refer civil for partial AC patching/overlay. Account for all trenching required to connect utilities to (N) bldg. Contractor is responsible for installation of ALL data and power runs for the entire project. Refer to PC drawings for locations of conduit routing. Contractor is responsible for ALL trenching and installation of sewer and water connections to (N) bldg, refer civil drawings. Contractor is responsible for full coordination with PC building manufacturer for building delivery and installation and inspection.

Contractor is responsible to read and follow the following as part of the contract.
Architect shall be made aware of all changes made in the field.
Contractor shall ensure that construction operations in this project do NOT inhibit the continuous operation in other areas of the campus of all low voltage systems including but not limited to: Fire Alarm, Energy Management, Security, Access, and Data. Contractor is responsible for all means and methods to ensure this requirement is met. Change orders for logistical operations related to continuous operation of these components will not be entertained.

South San Francisco Unified School District
398 B St.
South San Francisco, CA 94080

Facilities & Bond Department
398 B St.
South San Francisco, CA 94080

District Office Annex Portable

SSFUSD

District
South San Francisco Unified School District
398 B St.
South San Francisco, CA 94080
(650)877-8700

Civil Engineer
Lea & Braze Engineering, Inc.
2495 Industrial Pkwy W
Hayward, CA 94545
510-887-4086

Architect
Bartos Architecture
300 8th Ave., Suite 202
San Mateo, California 94401
(650) 340-1221

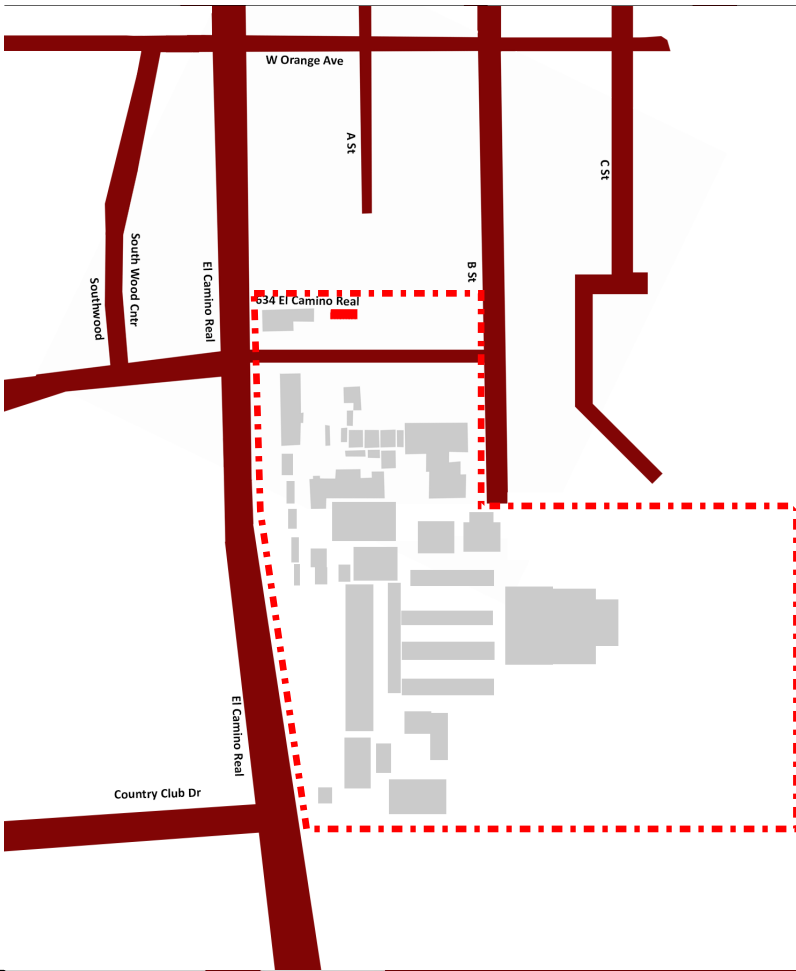
Electrical Engineer
American Consulting Engineers Electrical, Inc.
1590 The Alameda, Suite #200
San Jose, CA 95126
408-236-2312

Modular Manufacturer
Silver Creek Modular, LLC
2830 Barrett Ave
Perris, CA 92571
951.943.5393

**Occupancy: Group B
Construction: Type V-B (Non sprinklered)**
Maximum Area: 9,000; Proposed Area= 1,440 therefore OK
Cal Green applies when facilities is > 2000s.f.
Proposed is < 2000s.f therefore not required.

Fire Department Access: Refer sheet A0.3

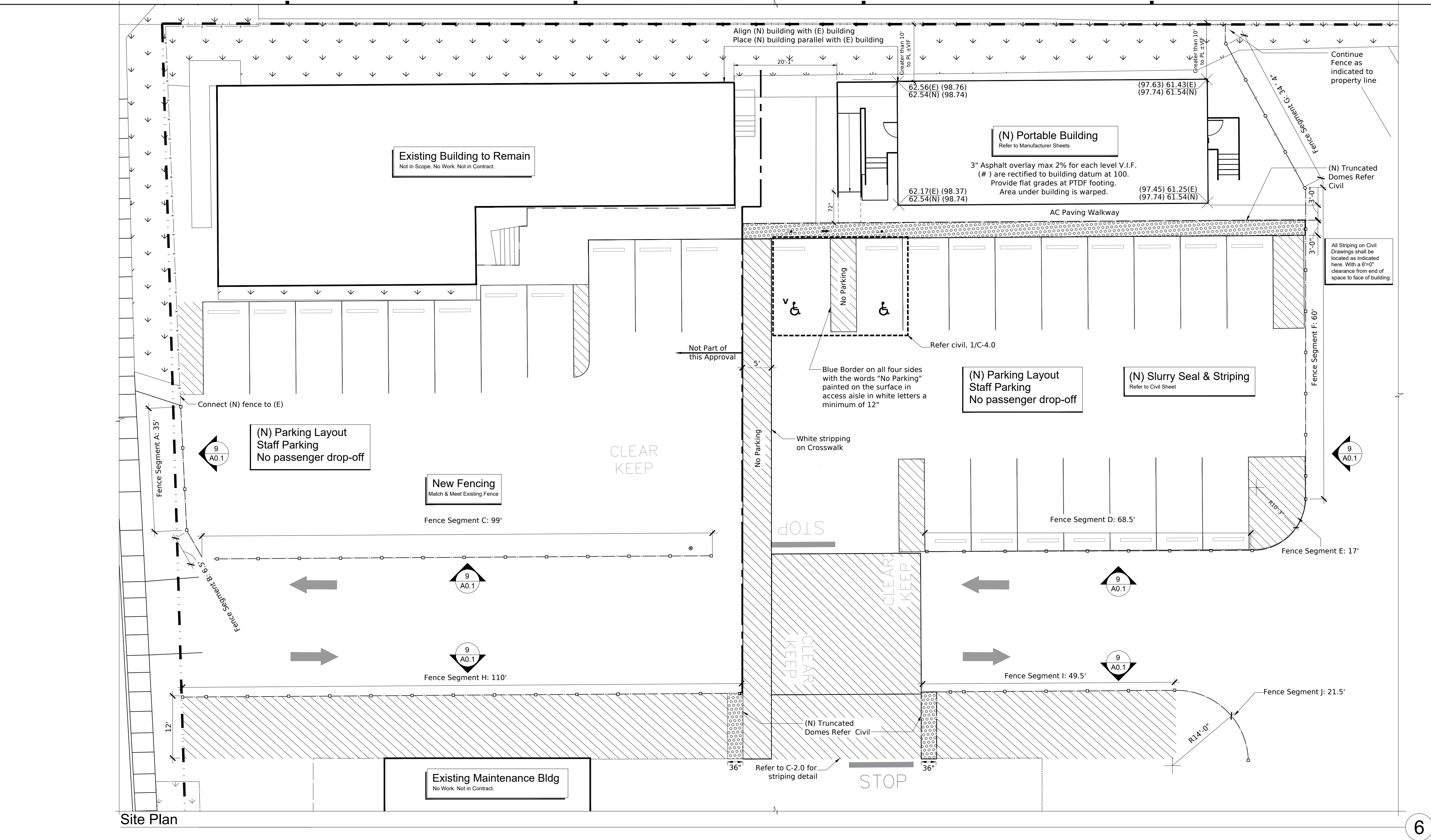
Vicinity Map



Title Sheet

A0.0

Building:



Sheet Notes

- 1. Contractor shall not scale the drawings to determine dimensions without consulting the AOR. Contractor shall review all dimensions for accuracy prior to construction.
- 2. Required utility shutdowns shall be coordinated with Architect/Owner.
- 3. All existing utilities indicated are based on the best information available to the AOR. If any utilities are discovered that are not indicated here, or differ from that indicated here, Contractor shall notify the AOR immediately.
- 4. Contractor shall verify all underground utilities in field prior to performing any excavation.
- 5. Contractor shall protect from damage of any underground utilities and shall repair any utilities damaged due to construction processes to the satisfaction of Owner and AOR.
- 6. Contractor shall ensure that all grading provides for positive drainage, 5% min. (earth) and 2% min. (hardscape), to drain away from buildings. Contractor shall notify Architect of any issues arising in the field which prevent or restrict positive drainage.
- 7. Safe off and continuous use of all utilities for any buildings in use during construction.
- 8. Contractor to provide all fencing shown to adequately secure work areas from students. All fencing must have opaque privacy screens attached.
- 9. Contractor may store materials on site. District will provide space for all staging/storage for proper sequencing of work.
- 10. Refer to specifications for additional requirements.

Legend

- (N) Portable
- Property Line
- (N) Chain Link Fencing
- (E) Chain Link Fencing
- Fire Hydrant
- (N) Accessible Parking
- (N) Van-Accessible Parking
- (N) Accessible path of travel
- (N) Accessible Parking Sign
- (N) Pole Lighting

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

BARTOS
ARCHITECTURE

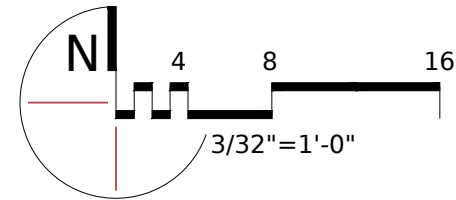
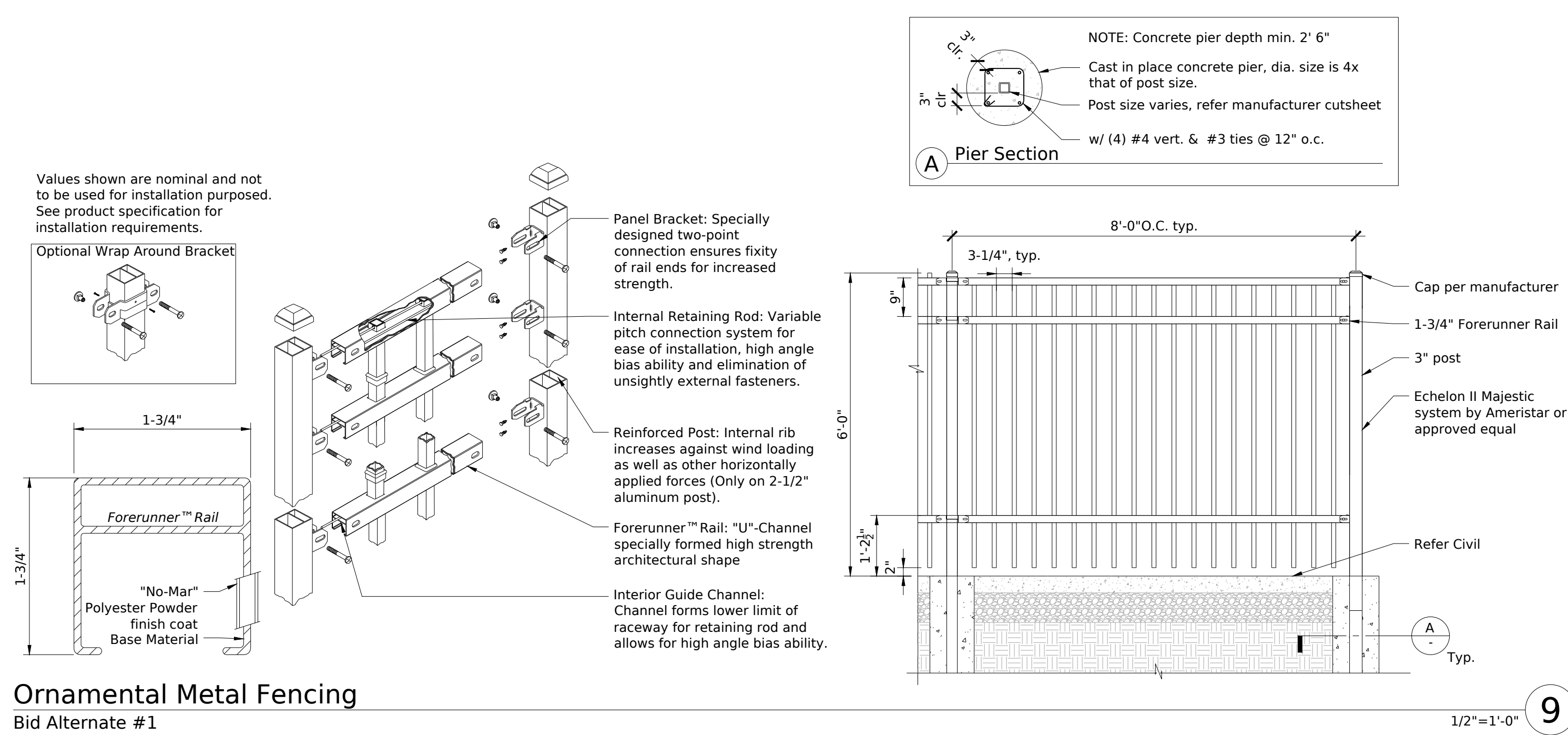
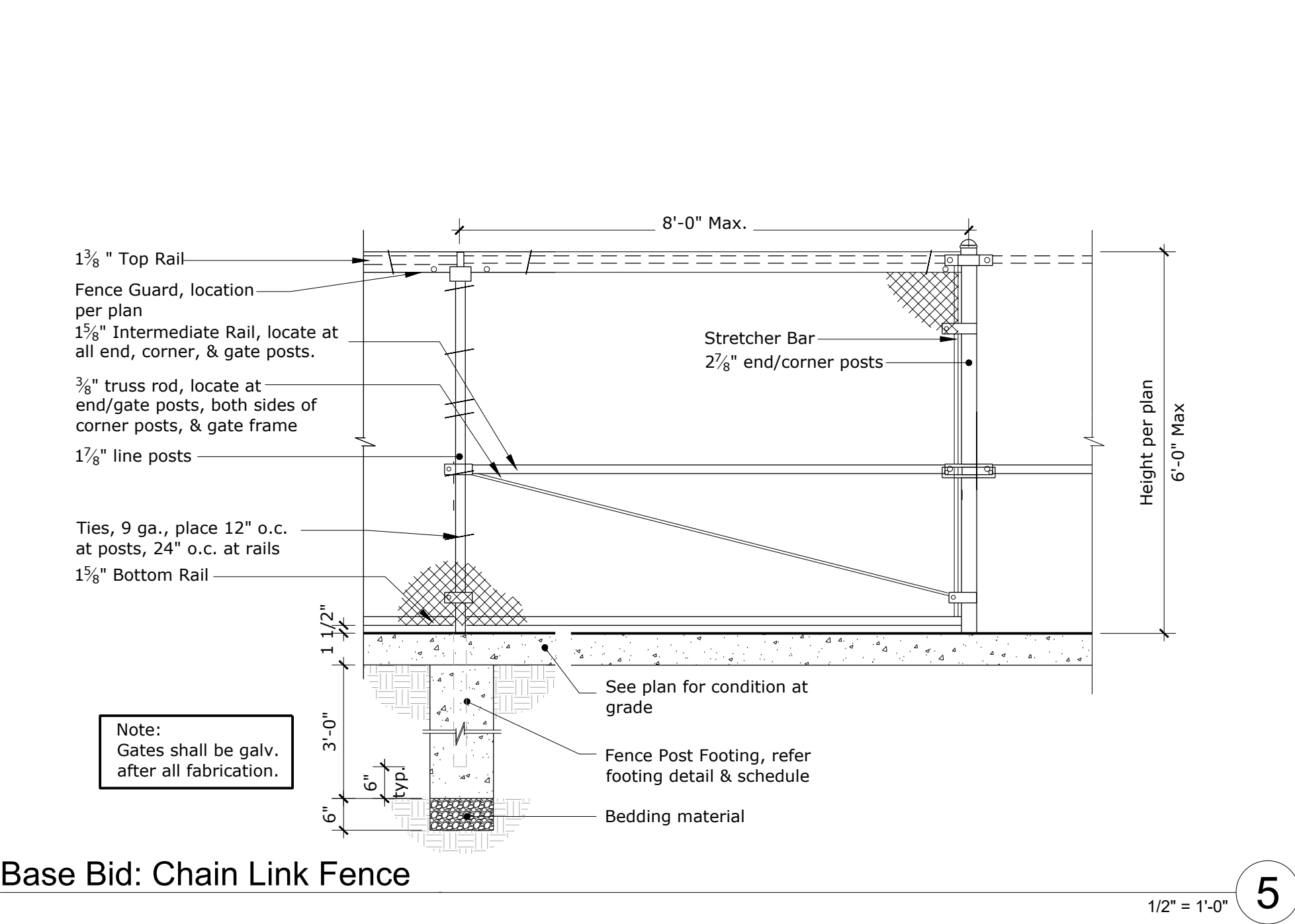
300 8th Avenue
Suite 202 San Mateo
California 94401
www.bartosarchitecture.com

LICENSED ARCHITECT
MARK EDWARD
BARTOS
C-24138
EXPI. 03-31-25
STATE OF CALIFORNIA

South San Francisco
Unified School District
398 B St.
South San Francisco, CA 94080

Facilities & Bond Department
398 B St.
South San Francisco, CA 94080

District Office Annex Portable
SSFUSD



Ornamental Metal Fencing
Bid Alternate #1

Base Bid: Chain Link Fence

Site Plan
A0.1

BA 25-004



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BARTOS
C-24138
REN. 03-31-25
STATE OF CALIFORNIA



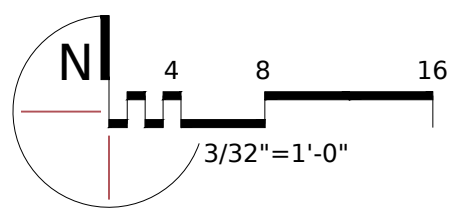
(N) Portable	
Property Line	
(N) Chain Link Fencing	
Fire Hydrant	
(N) Accessible Parking	
(N) Van-Accessible Parking	
(N) Accessible path of travel	
(N) Tow Away Signage	
(N) Pole Lighting	

(N) Total Parking Spaces	29	
(N) Accessible Parking Spaces	2	2 required
(N) Van-Accessible Parking Spaces	1	1 required

Accessible path of travel as indicated on plan is a barrier free access route without abrupt level changes exceeding $\frac{1}{4}"$ if leveled at 1:2 maximum slope or vertical level changes not exceeding $\frac{1}{4}"$ 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.

"Design professional in General Responsible Charge Statement: The POT 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 alterations, additions, structural repairs, and specifications incorporated into these construction documents. Any non-compliant 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 hardship are indicated in these construction documents.

During construction, if POT 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."



Accessible Path

uilding:

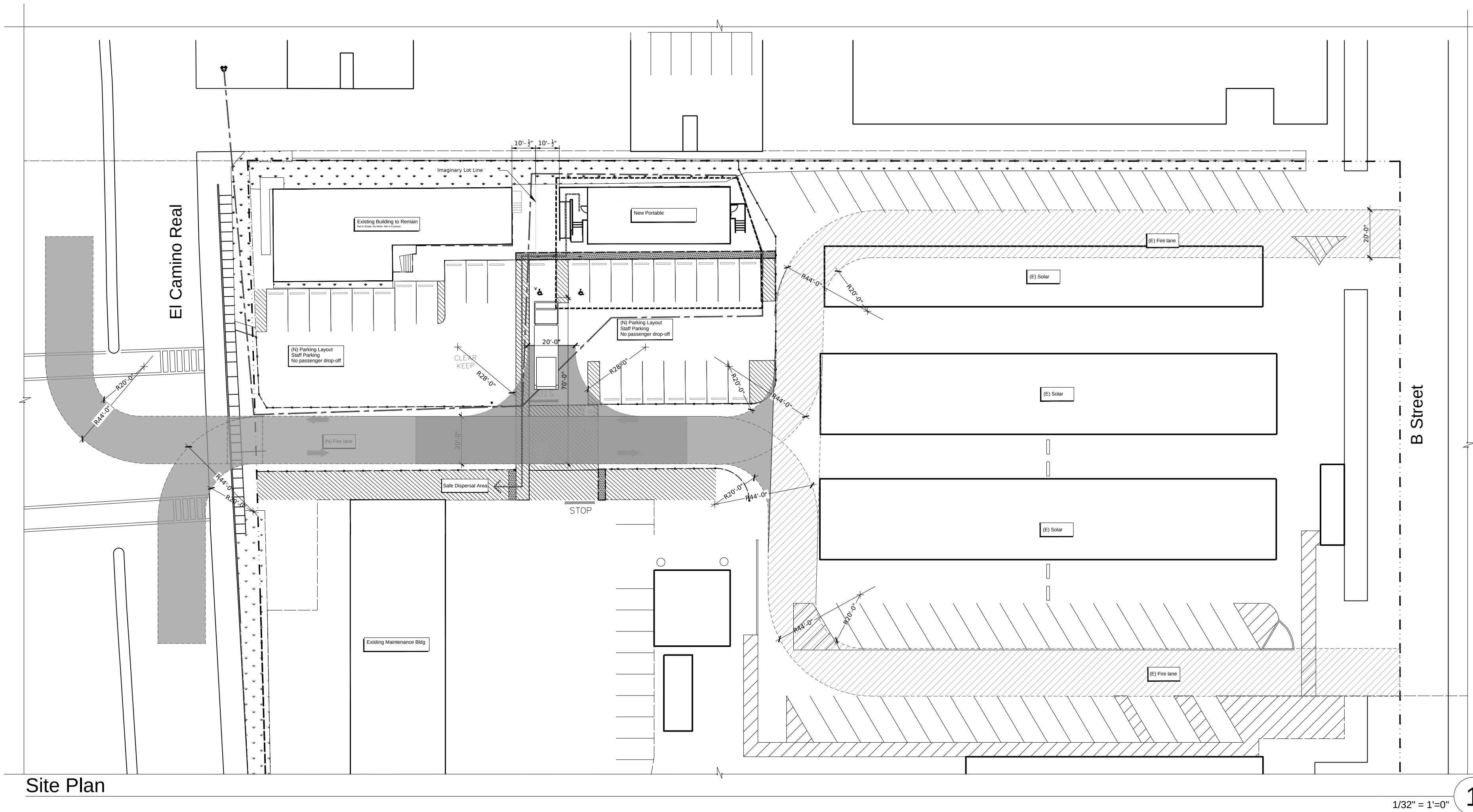
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BA 25-004



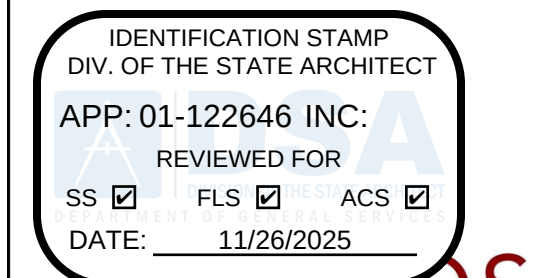
For Reference

C



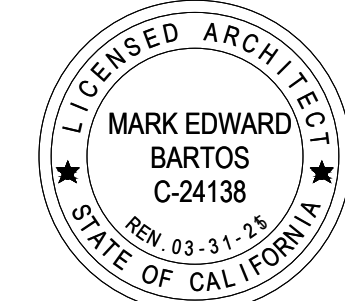
Legend

- Property Line**
- (N) Fence**
- Length of Hose (from Fire Hydrant)**
- Allowable Distance:**
1.10 ((400)*2)= 880ft.: (CFC allows 10% increase for existing hydrants per Appendix C, Section C103.2)
880/2 = 440ft
Actual Distance:
879/2 = 439 ft < 440 O.K.
- Length of hose (from fire truck)**
- Allowable Distance:**
300/2 = 150ft
Actual Distance:
275/2 = 137'-6" < 150 O.K.
- Fire Hydrant (E)**
- Fire Truck Lane**
- Per CFC Section D102.1, all fire access roads shall be asphalt, concrete or other approved driving surface capable of supporting the imposed load of fire apparatus weighing at least 75,000 pounds.
- Typical Minimum Firetruck Turning Radii as determined by South San Francisco Fire Dept. fire code official in compliance with ordinance no. 2016-15 to South San Francisco Municipal Code.**
- Drive Aisle (20'-0" Typ.) Not Dimensioned on Plans**
- 120' Hammerhead**
- Acceptable Alternative to 120' Hammerhead**
- Existing Fire Lane**
- Application #:** 01-116731
Cert. Date: 5/25/2017
- Egress Discharge to Safe Dispersal Area**



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ARCHITECTURE

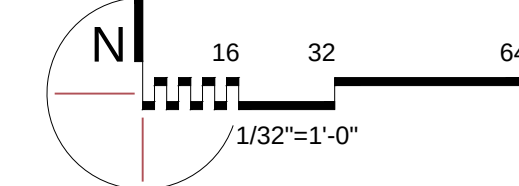
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398 B St.
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Facilities & Bond Department
398 B St.
South San Francisco, CA 94080

District Office Annex Portable
SSFUSD



California Water Service Company
Fire Flow Test

10/22/2025 Time: 13:45
District: SO. SAN FRANCISCO Zone: 260 Plat: 29-25
Address: 636 El Camino Real
Cross Street:
Requested By: Leighton Low
Conducted By: Mike Acker
Purpose Of Test:
Witnessed By: Calwater: Chris Ogden
Others:

Outlet No.	Outlet Size	PITOT	Observed	Static Pressure	Residual Pressure	Flow Observed	Flow Avail. @20'
Location 1 Hydrant No.: 63698 Address: 636 El Camino Real, SSF							
1	2.50	15	650	60	30	1321	1543
2	2.50	16	671				
3							
4							
Location 2 Hydrant No.: Address:							
1							
2							
3							
4							
Location 3 Hydrant No.: Address:							
1							
2							
3							
4							
Total Flow Observed Available @20':							1321 1543

Remarks:

Static/Residual Location: Hydrant SSF-333

Note:
Regardless of the results of this test, California Water Service Company assumes no liability beyond that stated in the following excerpt from the P.U.C. Tariff Schedule: "The utility (California Water Service Company) will supply only such water at such pressure as may be available from time to time as a result of its normal operation of the system."

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION	ALTERNATE ACCEPTED			
	Yes	No	N/A	N/R
4. Emergency vehicle access roadways do not meet CFC requirements.			☒	
4a. Acceptable Alternate: Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5. Fire Hydrants: Number and spacing does not meet CFC requirements.			☒	
5a. Acceptable Alternate: Number of fire hydrants and spacing as proposed by the project architect is acceptable for 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: 10/24/2025

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@sfsfca.gov

LFA Reviewer's Signature: Ian Hardage Date: 10/24/2025

DSA 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: District Office Annex Portable
Project Address: 398 B Street South San Francisco, CA, 94080

FIRE & LIFE SAFETY INFORMATION

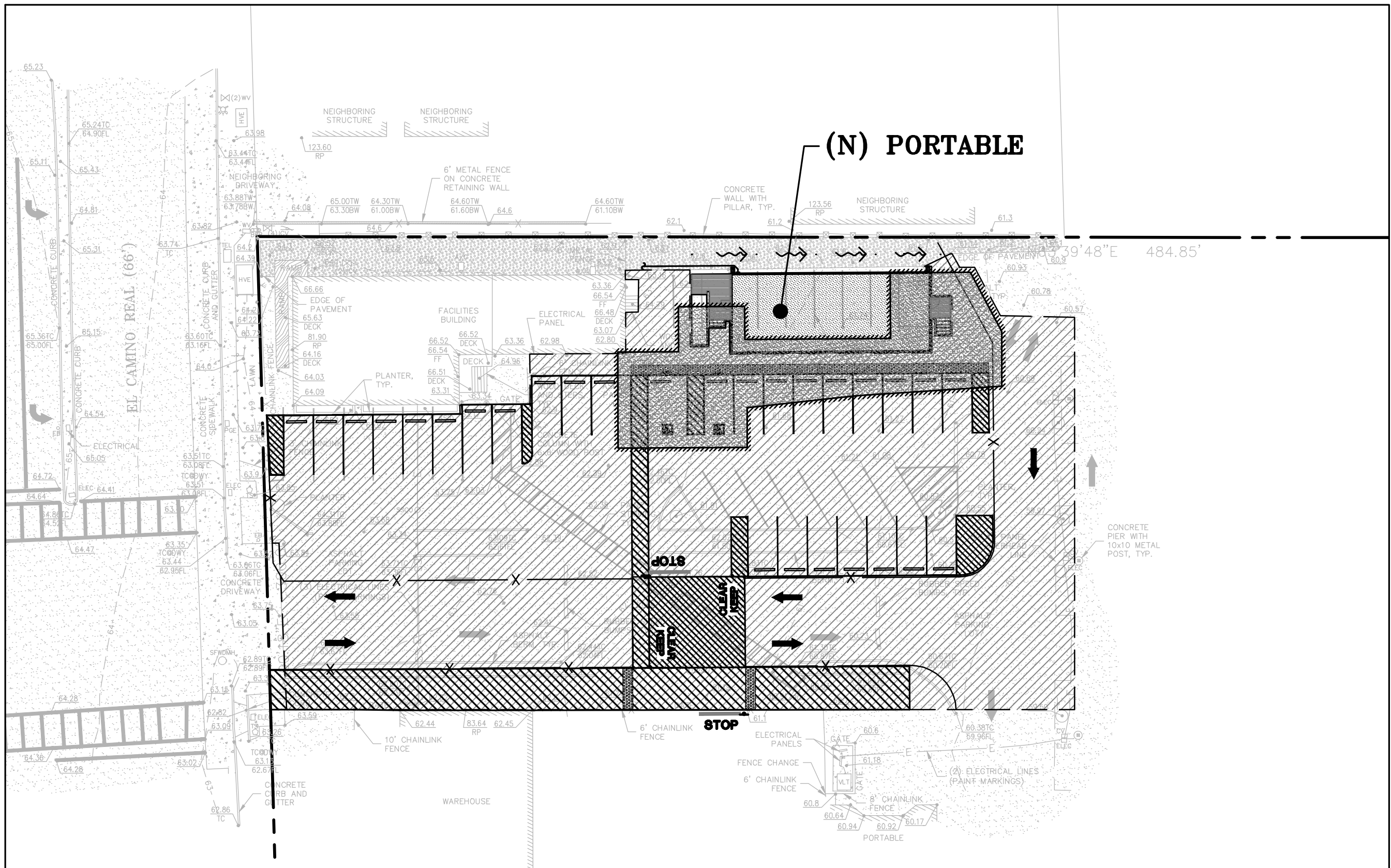
1.	Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes ☒	No ☐
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☒	No ☐
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? (If yes, indicate FHSZ classification below.)	Yes ☐	No ☒
Refer to the following website for FHSZ locations: Fire Hazard Severity Zones in 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 ☐	

EXISTING	PROPOSED	DESCRIPTION
		BOUNDARY
		PROPERTY LINE
		RETAINING WALL
		LANDSCAPE RETAINING WALL
		RAINWATER TIGHTLINE
		SUBDRAIN LINE
		TIGHTLINE
		STORM DRAIN LINE
		SANITARY SEWER LINE
		WATER LINE
		GAS LINE
		STORM DRAIN PRESSURE LINE
		SANITARY SEWER PRESSURE LINE
		JOINT TRENCH
		SET BACK LINE
		CONCRETE VALLEY GUTTER
		EARTHEN SWALE
		CATCH BASIN
		JUNCTION BOX
		AREA DRAIN
		CURB INLET
		STORM DRAIN MANHOLE
		FIRE HYDRANT
		SANITARY SEWER MANHOLE
		STREET SIGN
		SPOT ELEVATION
		FLOW DIRECTION
		DEMOLISH/REMOVE
		BENCHMARK
		CONTOURS
		TREE TO BE REMOVED
		TREE PROTECTION FENCING

ABBREVIATIONS

AB	AGGREGATE BASE	LF	LINEAR FEET
AC	ASPHALT CONCRETE	MAX	MAXIMUM
ACC	ACCESSIBLE	MH	MANHOLE
AD	AREA DRAIN	MIN	MINIMUM
BC	BEGINNING OF CURVE	MON.	MONUMENT
B & D	BEARING & DISTANCE	MRO	METERED RELEASE OUTLET
BM	BENCHMARK	(N)	NEW
BUB	BUBBLER BOX	NO.	NUMBER
BW/FG	BOTTOM OF WALL/FINISH GRADE	NTS	NOT TO SCALE
CB	CATCH BASIN	O.C.	ON CENTER
C & G	CURB AND GUTTER	O/	OVER
CL	CENTER LINE	(PA)	PLANTING AREA
CPP	CORRUGATED PLASTIC PIPE (SMOOTH INTERIOR)	PE	PEDESTRIAN
CO	CLEANOUT	PIV	POST INDICATOR VALVE
COTG	CLEANOUT TO GRADE	PSS	PUBLIC SERVICES EASEMENT
CONC	CONCRETE	P	PROPERTY LINE
CONST	CONSTRUCT or -TION	PUE	PUBLIC UTILITY EASEMENT
CONC COR	CONCRETE CORNER	PVC	POLYVINYL CHLORIDE
CY	CUBIC YARD	R	RADIUS
D	DIAMETER	RCP	REINFORCED CONCRETE PIPE
DI	DROP INLET	RIM	RIM ELEVATION
DIP	DUCTILE IRON PIPE	RW	RAINWATER
EA	EACH	R/W	RIGHT OF WAY
EG	END OF CURVE	S	SLOPE
EL	EXISTING GRADE	S.A.D.	SEE ARCHITECTURAL DRAWINGS
EL	ELEVATIONS	SAN	SANITARY
EP	EDGE OF PAVEMENT	SD	STORM DRAIN
EQ	EQUIPMENT	SDMH	STORM DRAIN MANHOLE
EW	EACH WAY	SHT	SHEET
(E)	EXISTING	S.L.D.	SEE LANDSCAPE DRAWINGS
FC	FACE OF CURB	SPEC	SPECIFICATION
FF	FINISHED FLOOR	SS	SANITARY SEWER
FG	FINISHED GRADE	SSCO	SANITARY SEWER CLEANOUT
FH	FIRE HYDRANT	SSMH	SANITARY SEWER MANHOLE
FL	FLOW LINE	ST.	STREET
FS	FINISHED SURFACE	STA	STATION
G	GAS	STD	STANDARD
GA	GAGE OR GAUGE	STRUCT	STRUCTURAL
GB	GRADE BREAK	T	TELEPHONE
HDPE	HIGH DENSITY CORRUGATED POLYETHYLENE PIPE	TC	TOP OF CURB
HORIZ	HORIZONTAL	TOW	TOP OF WALL
HI PT	HIGH POINT	TEMP	TEMPORARY
H&T	HUB & TACK	TP	TOP OF PAVEMENT
ID	INSIDE DIAMETER	TW/FG	TOP OF WALL/FINISH GRADE
INV	INVERT ELEVATION	TYP	TYPICAL
JB	JUNCTION BOX	VC	VERTICAL CURVE
JT	JOINT TRENCH	VCP	VITRIFIED CLAY PIPE
JP	JOINT UTILITY POLE	VERT	VERTICAL
L	LENGTH	W/	WITH
LNDG	LANDING	W, WL	WATER LINE
		WM	WATER METER
		WWF	WELDED WIRE FABRIC

634 EL CAMINO REAL SOUTH SAN FRANCISCO, CALIFORNIA



KEY MAP
1" = 30'

GENERAL REQUIREMENTS FROM DSA

- ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24 CALIFORNIA CODE OF REGULATIONS (CCR).
- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD), APPROVED BY DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
- A 'DSA CERTIFIED' PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).
- A 'DSA CERTIFIED' INSPECTOR WITH A CLASS 3 CERTIFICATION OF REQUIRED FOR THIS PROJECT.
- A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL BOARD SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH THE TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING THE SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK. {REFERENCE: SECTION 4-317(C), CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)}.
- GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL THE LOCAL ORDINANCES.
- TITLE 24, PARTS 1-5 AND 9 MUST BE KEPT ON SITE DURING CONSTRUCTION.

ADA COMPLIANCE NOTES

- ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING $\frac{1}{4}$ " IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING $\frac{1}{4}$ " MAX, AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION IS LESS THAN 5% UNLESS OTHERWISE INDICATED.
- ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80".



VICINITY MAP
NTS

OWNER'S INFORMATION

OWNER: SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT
634 EL CAMINO REAL
SOUTH SAN FRANCISCO, CA

APN: 014-160-050

REFERENCES

- THIS GRADING AND DRAINAGE PLAN IS SUPPLEMENTAL TO:
- TOPOGRAPHIC SURVEY BY LEA & BRAZE ENGINEERING INC., ENTITLED: "PARTIAL TOPOGRAPHIC SURVEY" 634 EL CAMINO REAL SOUTH SAN FRANCISCO, USA DATED: 05-29-25 JOB#: 2250810
 - SITE PLAN BY BARTOS ARCHITECTURE ENTITLED: "DISTRICT ANNEX BUILDING SSFUSD" 634 EL CAMINO REAL SOUTH SAN FRANCISCO, CA

THE CONTRACTOR SHALL REFER TO THE ABOVE NOTED SURVEY AND PLAN, AND SHALL VERIFY BOTH EXISTING AND PROPOSED ITEMS ACCORDING TO THEM.

UTILITY NOTE

ALL UNDERGROUND PIPE TYPES, SIZES AND LOCATION SHOWN ON THIS SURVEY ARE BASED ON VISUAL OBSERVATION. ANY USE OF THIS INFORMATION SHOULD BE VERIFIED, BEFORE ITS USE, WITH THE CONTROLLING MUNICIPALITY OR UTILITY PROVIDER. THIS SURVEY MAKES NO GUARANTEE OF THE INSTALLED ACTUAL LOCATION, DEPTHS OR SIZE.

SITE BENCHMARK

SURVEY CONTROL POINT
CUT CROSS IN CONCRETE
ELEVATION = 64.49'
(ASSUMED)

NOTES

ALL DISTANCES AND DIMENSIONS ARE IN FEET AND DECIMALS.

BUILDING FOOTPRINTS ARE SHOWN TO FINISHED MATERIAL (STUCCO/SIDING).

FINISH FLOOR ELEVATIONS ARE TAKEN AT DOOR THRESHOLD (EXTERIOR).

EASEMENT NOTE

A CURRENT TITLE REPORT FOR THE SUBJECT PROPERTY HAS NOT BEEN EXAMINED BY LEA & BRAZE ENGINEERING, INC. EASEMENTS OF RECORD MAY EXIST THAT ARE NOT SHOWN ON THIS MAP.

FEMA FLOOD NOTE

PROPERTY COMPLETELY OUT OF SPECIAL FLOOD HAZARD AREA (SFHA)

FLOOD INSURANCE RATE MAP
No.: 06081C0043F
EFFECTIVE DATE: APRIL 5, 2019

SHEET INDEX

C-1.0	TITLE SHEET
C-2.0	GRADING & DRAINAGE PLAN
C-3.0	UTILITY PLAN
C-4.0	DETAILS
C-4.1	DETAILS
C-5.0	GRADING SPECIFICATIONS
ER-1	EROSION CONTROL PLAN
ER-2	EROSION CONTROL DETAILS



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS & LAND SURVEYORS
REGIONAL OFFICES:
MAIN OFFICE: 1000 RAVEN HILL
SAN FRANCISCO, CA 94108
HAYWARD OFFICE: 1000 RAVEN HILL
HAYWARD, CA 94545
(510) 887-4086
WWW.LEABRAZE.COM

634 EL CAMINO REAL
SOUTH SAN FRANCISCO,
CALIFORNIA

APN: 014-160-050

SAN MATEO COUNTY

TITLE SHEET

REVISIONS	BY
1	RM/JT
2	RM/JT
3	RM/JT
4	RM/JT
5	RM/JT
6	RM/JT
7	RM/JT
8	RM/JT
9	RM/JT
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98	RM/JT
99	RM/JT
100	RM/JT

C-1.0
1 OF 8 SHEETS



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
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SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS & LAND SURVEYORS
REGIONAL OFFICES:
MAIN OFFICE: 1000 RAY WEST
HAYWARD, CALIFORNIA 94545
(510) 887-4086
WWW.LEABRAZE.COM

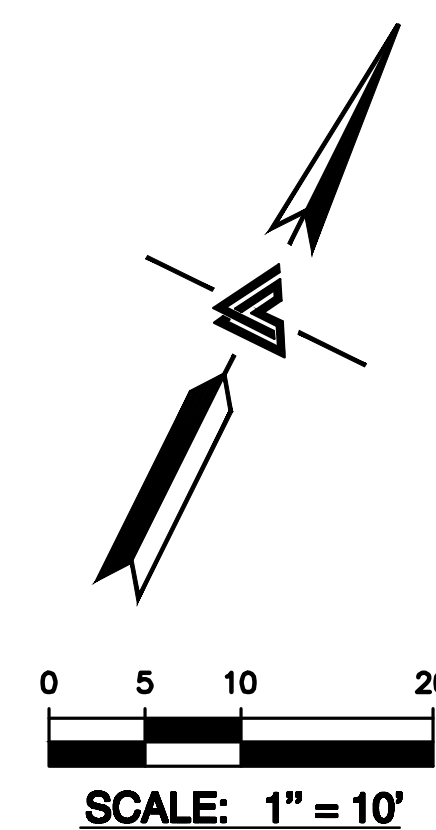
**634 EL CAMINO REAL
SOUTH SAN FRANCISCO,
CALIFORNIA**

SAN MATEO COUNTY

**GRADING &
DRAINAGE PLAN**

REVISIONS	BY
JOB NO: 2250809	
DATE: 11-21-25	
SCALE: AS NOTED	
DESIGN BY: KT/SWL	
CHECKED BY: RM/JT	
SHEET NO:	

C-2.0
2 OF 8 SHEETS



FLATWORK KEYNOTES 1 TO 9

- 1 FINISHED GRADES FOR THIS TEMPORARY LEASE BUILDING AND REVERSED PARKING AREA ARE PER EXISTING ASPHALT GRADES AND NO GRADING OR ASPHALT REMOVAL IS PROPOSED.
- 2 EXISTING ASPHALT IS SLOPED AT OR UNDER 2% GRADE AND SHALL REMAIN THE SAME, AS THE DRAINAGE WILL SHEET FLOW AS IT DOES BEFORE CONSTRUCTION, AND NO ADDITIONAL IMPERMEABLE AREA IS PROPOSED.
- 3 REFER TO SSFUSD FOR (N) PORTABLE PLANTER BOX LOCATIONS.
- 4 EXISTING ASPHALT SLOPE AT NEW ADA PARKING AND LOADING ZONE IS 2% MAXIMUM GRADE IN ANY DIRECTION.
- 5 NEW PARKING STRIPES ARE TO BE PERPENDICULAR TO DRIVE AISLE OR BUILDING.
- 6 INSTALL (N) CURB STOP. SEE DETAIL 4 ON SHEET C-4.0.
- 7 SLURRY SEAL APPROXIMATE LIMITS.
- 8 (N) 4 INCH WIDE STRIPING, PAINT WHITE TWO COATS.
- 9 (N) ACCESSIBLE PARKING STALL. SEE DETAILS 1 AND 2 ON SHEET C-4.0.

DEMOLITION KEYNOTES 41 TO 41

- 41 DEMOLISH (E) IMPROVEMENTS AS NECESSARY TO ACCOMMODATE (N) CONSTRUCTION. NO DEMOLITION SHALL COMMENCE WITHOUT REQUIRED DEMOLITION PERMITS.

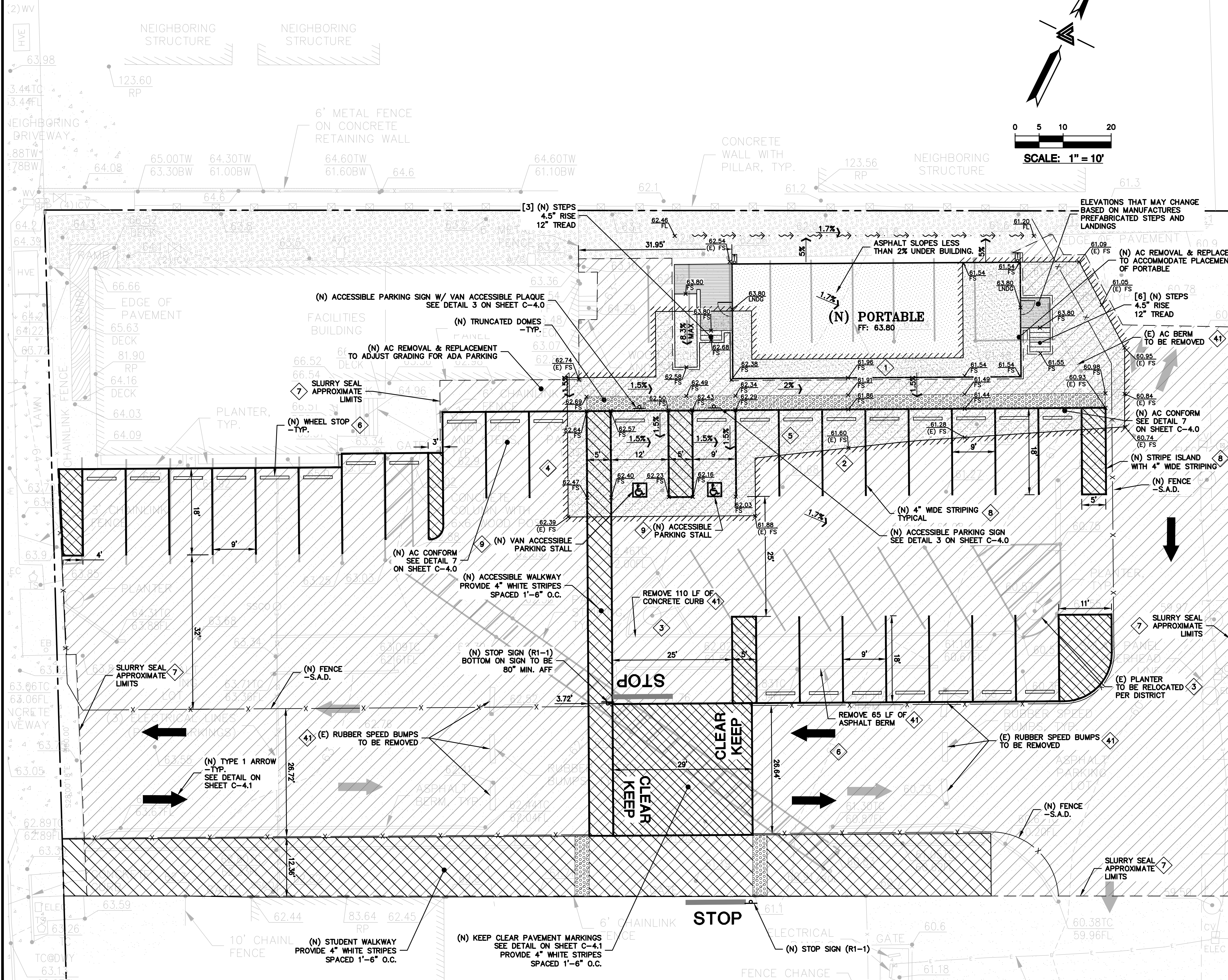
FIRE ACCESS ROAD:
SEE SHEET A0.3 FOR
FIRE ACCESS ROAD

HATCH LEGEND:

- SLURRY SEAL
- (N) BUILDING
- NO PARKING
- AC CONFORM
- (N) AC PAVING

NOTE:
FOR CONSTRUCTION STAKING
SCHEDULING OR QUOTATIONS
PLEASE CONTACT ALEX ABAYA
AT LEA & BRAZE ENGINEERING
(510)887-4086 EXT 116.
aabaya@leabraz.com

*** BUILDING PAD NOTE:**
ADJUST PAD LEVEL AS
REQUIRED. REFER TO
STRUCTURAL PLANS
FOR SLAB SECTION OR
CRAWL SPACE DEPTH
TO ESTABLISH PAD
LEVEL.





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SS ☒ FLS ☒ ACS ☒
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634 EL CAMINO REAL
SOUTH SAN FRANCISCO,
CALIFORNIA

APN: 014-160-050

SAN MATEO COUNTY

UTILITY PLAN

REVISIONS	BY
JOB NO: 2250809	
DATE: 11-21-25	
SCALE: AS NOTED	
DESIGN BY: KT/SWL	
CHECKED BY: RM/JT	
SHEET NO:	

C-3.0
3 OF 8 SHEETS

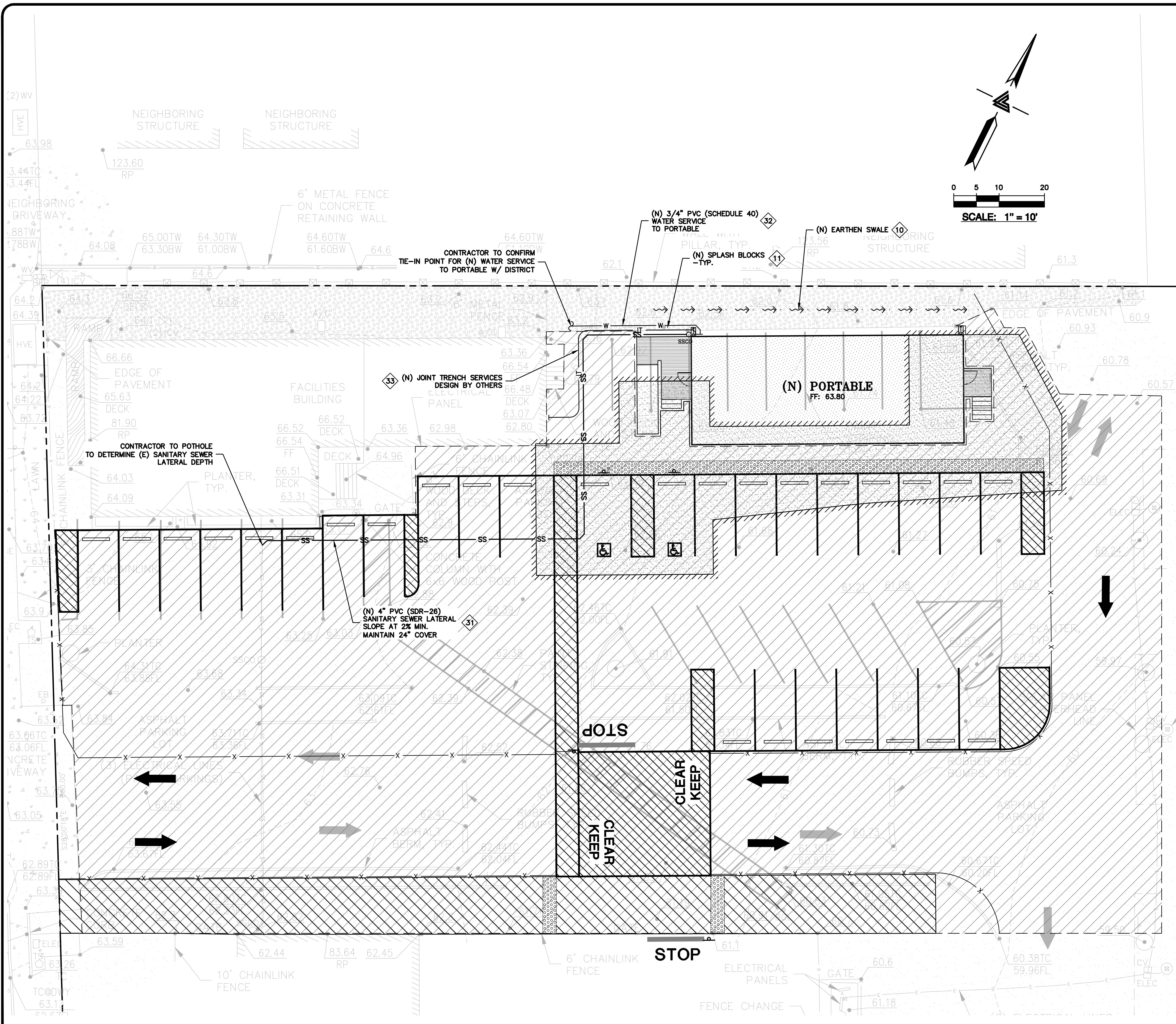
- STORM DRAIN** KEYNOTES 10 TO 11
10 CONSTRUCT (N) EARTHEN SWALE SLOPED AT 1% MINIMUM TOWARDS POSITIVE OUTFALL. SEE DETAIL X ON SHEET C-X.
11 DIRECT DOWNSPOUTS TO 24" LONG PRECAST CONCRETE SPLASHBLOCKS OR OTHER HARD SURFACE. DIRECT AWAY FROM ANY STRUCTURE AND TOWARDS POSITIVE DRAINAGE. SEE DETAIL X ON SHEET C-X.
- UTILITIES** KEYNOTES 31 TO 33
31 INSTALL (N) SANITARY SEWER LATERAL USE 4" PVC (SDR-26) SLOPED AT 2% MINIMUM. CONNECT TO (E) SEWER MAIN AS SHOWN. PROVIDE CLEANOUT TO GRADE AT BUILDING AND BEHIND PROPERTY LINE AND AT MAJOR CHANGES IN DIRECTION AS SHOWN. REUSE (E) LATERAL IF POSSIBLE. CONNECT PER DISTRICT STANDARDS.
32 CONNECT (N) WATER SERVICE PER WATER DISTRICT STANDARDS. UPGRADE (E) WATER LINES PER WATER AS NECESSARY AS DIRECTED BY FIRE SPRINKLER DESIGNER.
33 INSTALL (N) JOINT TRENCH FOR SERVICES INCLUDING GAS, CATV & ELECTRIC FROM NEAREST POINT OF CONNECTION. DESIGN BY OTHERS.

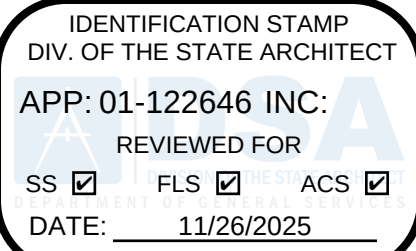
HATCH LEGEND:

- SLURRY SEAL
- (N) BUILDING
- NO PARKING
- AC CONFORM
- (N) AC PAVING

NOTE:
FOR CONSTRUCTION STAKING
SCHEDULING OR QUOTATIONS
PLEASE CONTACT ALEX ABAYA
AT LEA & BRAZE ENGINEERING
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* BUILDING PAD NOTE:
ADJUST PAD LEVEL AS
REQUIRED. REFER TO
STRUCTURAL PLANS
FOR SLAB SECTION OR
CRAWL SPACE DEPTH
TO ESTABLISH PAD
LEVEL.





STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION



R99C (CA)

**COLORS: BORDER & LEGEND - WHITE (RETROREFLECTIVE)
BACKGROUND - BLUE (RETROREFLECTIVE)**

7/1/08



1. TIE-IN PAVEMENT SECTION AS SHOWN ON PLANS.
2. TIE-IN OF ASPHALT CONCRETE SHALL EXTEND TO AT LEAST THE BOTTOM OF EXISTING ASPHALT CONCRETE.

SUBGRADE COMPACTED
TO 90% MIN. OR IN
ACCORDANCE WITH THE
GEOTECHNICAL REPORT



LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS | LAND SURVEYORS

MAIN OFFICE:
2495 INDUSTRIAL PKWY WEST
HAYWARD, CALIFORNIA 94545
(510) 897-4086

REGIONAL OFFICES:
ROSEVILLE
DUBLIN
SAN JOSE

WWW.LEABRAZE.COM

634 EL CAMINO REAL
SOUTH SAN FRANCISCO,
CALIFORNIA

APN: 014-160-050

SAN MATEO COUNTY

DETAILS

—	—
—	—
—	—
—	—
—	—
REVISIONS	BY
JOB NO:	2250809
DATE:	11-21-25
SCALE:	NTS
DESIGN BY:	KT/SWL
CHECKED BY:	RM/JT
SHEET NO:	

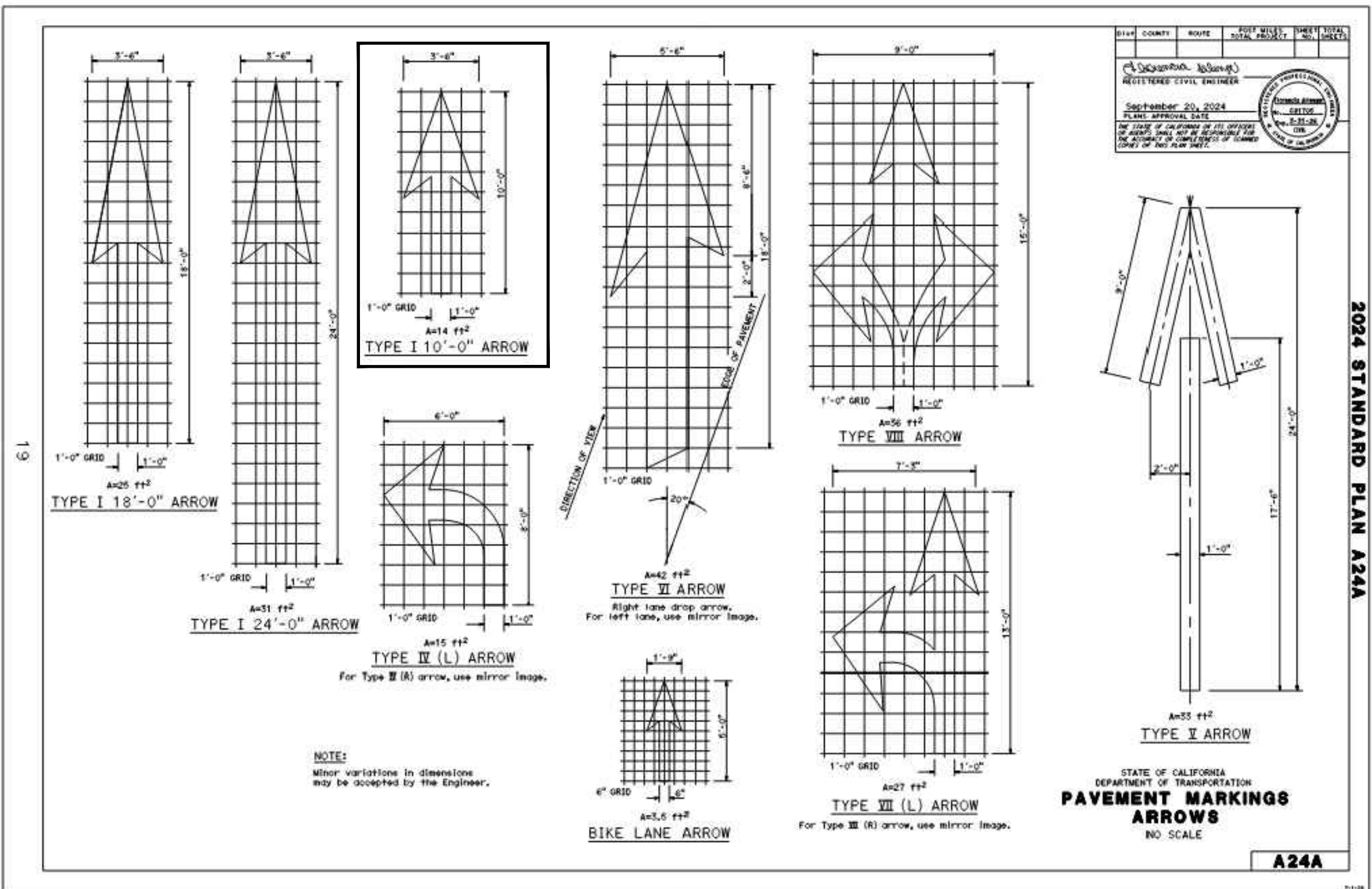
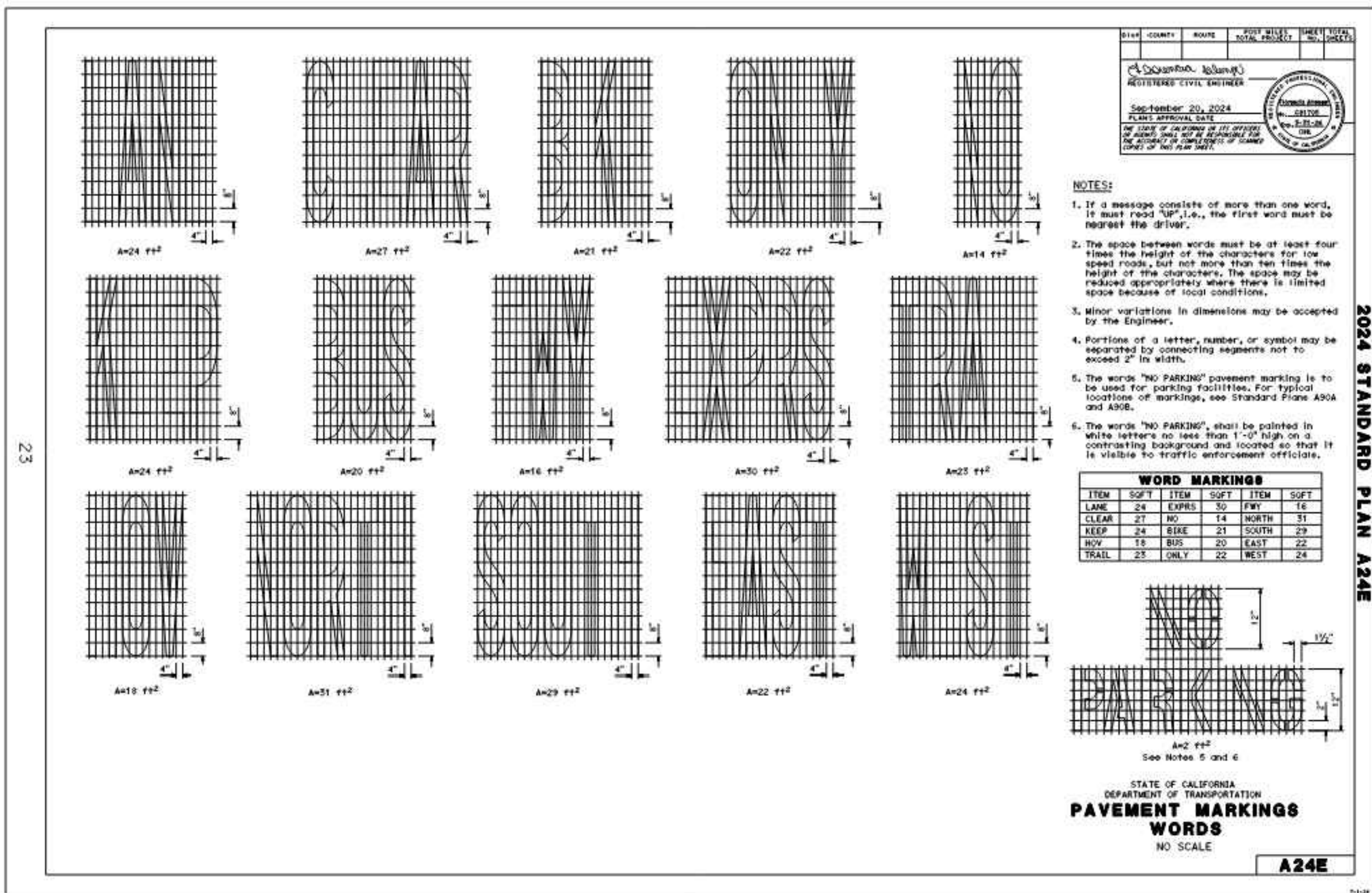
C-4.0

4 OF 8 SHEETS

Page 746

[illegible]

November 7, 2014



GENERAL NOTES

ALL GENERAL NOTES, SHEET NOTES, AND LEGEND NOTES FOUND IN THESE DOCUMENTS SHALL APPLY TYPICALLY THROUGHOUT. IF INCONSISTENCIES ARE FOUND IN THE VARIOUS NOTATIONS, NOTIFY THE ENGINEER IMMEDIATELY IN WRITING REQUESTING CLARIFICATION.

THESE DRAWINGS AND THEIR CONTENT ARE AND SHALL REMAIN THE PROPERTY OF LEA AND BRAZE ENGINEERING, INC. WHETHER THE PROJECT FOR WHICH THEY ARE PREPARED IS EXECUTED OR NOT. THEY ARE NOT TO BE USED BY ANY PERSONS ON OTHER PROJECTS OR EXTENSIONS OF THE PROJECT EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE ENGINEER.

ALL WORK SHALL COMPLY WITH APPLICABLE CODES AND TRADE STANDARDS WHICH GOVERN EACH PHASE OF WORK INCLUDING, BUT NOT LIMITED TO, CALIFORNIA MECHANICAL CODE, CALIFORNIA PLUMBING CODE, CALIFORNIA ELECTRICAL CODE, CALIFORNIA FIRE CODE, CALTRANS STANDARDS AND SPECIFICATIONS, AND ALL APPLICABLE STATE AND/OR LOCAL CODES AND/OR LEGISLATION.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND ALL SUBCONTRACTORS TO CHECK AND VERIFY ALL CONDITIONS, DIMENSIONS, LINES AND LEVELS INDICATED. PROPER FIT AND ATTACHMENT OF ALL PARTS IS REQUIRED. SHOULD THERE BE ANY DISCREPANCIES, IMMEDIATELY NOTIFY THE ENGINEER FOR CORRECTION OR ADJUSTMENT THE EVENT OF FAILURE TO DO SO, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTION OF ANY ERROR.

ALL DIMENSIONS AND CONDITIONS SHALL BE CHECKED AND VERIFIED ON THE JOB BY EACH SUBCONTRACTOR BEFORE HE/SHE BEGINS HIS/HER WORK. ANY ERRORS, OMISSION, OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER/CONTRACTOR BEFORE CONSTRUCTION BEGINS.

COMMENCEMENT OF WORK BY THE CONTRACTOR AND/OR ANY SUBCONTRACTOR SHALL INDICATE KNOWLEDGE AND ACCEPTANCE OF ALL CONDITIONS DESCRIBED IN THESE CONSTRUCTION DOCUMENTS, OR EXISTING ON SITE, WHICH COULD AFFECT THEIR WORK.

WORK SEQUENCE

IN THE EVENT ANY SPECIAL SEQUENCING OF THE WORK IS REQUIRED BY THE OWNER OR THE CONTRACTOR, THE CONTRACTOR SHALL ARRANGE A CONFERENCE BEFORE ANY SUCH WORK IS BEGUN.

SITE EXAMINATION: THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL THOROUGHLY EXAMINE THE SITE AND FAMILIARIZE HIM/HERSELF WITH THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. THE CONTRACTOR SHALL VERIFY AT THE SITE ALL MEASUREMENTS AFFECTING HIS/HER WORK AND SHALL BE RESPONSIBLE FOR THE CORRECTIONS OF THE SAME. NO EXTRA COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR EXPENSES DUE TO HIS/HER NEGLIGENCE TO EXAMINE, OR FAILURE TO DISCOVER, CONDITIONS WHICH AFFECT HIS/HER WORK.

LEA AND BRAZE ENGINEERING, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF LEA AND BRAZE ENGINEERING, INC. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PARTY SHALL HOLD HARMLESS LEA AND BRAZE ENGINEERING, INC.

CONSTRUCTION IS ALWAYS LESS THAN PERFECT SINCE PROJECTS REQUIRE THE COORDINATION AND INSTALLATION OF MANY INDIVIDUAL COMPONENTS BY VARIOUS CONSTRUCTION INDUSTRY TRADES. THESE DOCUMENTS CANNOT PORTRAY ALL COMPONENTS OR ASSEMBLIES EXACTLY. IT IS THE INTENTION OF THESE ENGINEERING DOCUMENTS THAT THEY REPRESENT A REASONABLE STANDARD OF CARE IN THEIR CONTENT. IT IS ALSO PRESUMED BY THESE DOCUMENTS THAT CONSTRUCTION REVIEW SERVICES WILL BE PROVIDED BY THE ENGINEER. SHOULD THE OWNER NOT RETAIN THE ENGINEER TO PROVIDE SUCH SERVICES, OR SHOULD HE/SHE RETAIN THE ENGINEER TO PROVIDE ONLY PARTIAL OR LIMITED SERVICES, THEN IT SHALL BE THE OWNER'S AND CONTRACTOR'S RESPONSIBILITY TO FULLY RECOGNIZE AND PROVIDE THAT STANDARD OF CARE.

IF THE OWNER OR CONTRACTOR OBSERVES OR OTHERWISE BECOMES AWARE OF ANY FAULT OR DEFECT IN THE PROJECT OR NONCONFORMANCE WITH THE CONTRACT DOCUMENTS, PROMPT WRITTEN NOTICE THEREOF SHALL BE GIVEN BY THE OWNER AND/OR CONTRACTOR TO THE ENGINEER.

THE ENGINEER SHALL NOT HAVE CONTROL OF OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

SITE PROTECTION

PROTECT ALL LANDSCAPING THAT IS TO REMAIN. ANY DAMAGE OR LOSS RESULTING FROM EXCAVATION, GRADING, OR CONSTRUCTION WORK SHALL BE CORRECTED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING SITE UTILITIES AND SHALL COORDINATE THEIR REMOVAL OR MODIFICATIONS (IF ANY) TO AVOID ANY INTERRUPTION OF SERVICE TO ADJACENT AREAS. THE GENERAL CONTRACTOR SHALL INFORM HIM/HERSELF OF MUNICIPAL REGULATIONS AND CARRY OUT HIS/HER WORK IN COMPLIANCE WITH ALL FEDERAL AND STATE REQUIREMENTS TO REDUCE FIRE HAZARDS AND INJURIES TO THE PUBLIC.

STORMWATER POLLUTION PREVENTION NOTES

- 1) STORE, HANDLE, AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES PROPERLY, SO AS TO PREVENT THEIR CONTACT WITH STORMWATER.
- 2) CONTROL AND PREVENT THE DISCHARGE OF ALL POTENTIAL POLLUTANTS, INCLUDING SOLID WASTES, PAINTS, CONCRETE, PETROLEUM PRODUCTS, CHEMICALS, WASH WATER OR SEDIMENT, AND NON-STORMWATER DISCHARGES TO STORM DRAINS AND WATER COURSES.
- 3) USE SEDIMENT CONTROL OR FILTRATION TO REMOVE SEDIMENT FROM DEWATERING EFFLUENT.
- 4) AVOID CLEANING, FUELING, OR MAINTAINING VEHICLES ON SITE, EXCEPT IN A DESIGNATED AREA IN WHICH RUNOFF IS CONTAINED AND TREATED.
- 5) DELINEATE CLEARING LIMITS, EASEMENTS, SETBACKS, SENSITIVE OR CRITICAL AREAS, BUFFER ZONES, TREES AND DISCHARGE COURSE WITH FIELD MARKERS.
- 6) PROTECT ADJACENT PROPERTIES AND UNDISTURBED AREAS FROM CONSTRUCTION IMPACTS USING VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS OF FILTERS, DIKES, MULCHING, OR OTHER MEASURES AS APPROPRIATE.
- 7) PERFORM CLEARING AND EARTH MOVING ACTIVITIES DURING DRY WEATHER TO THE MAXIMUM EXTENT PRACTICAL.
- 8) LIMIT AND TIME APPLICATIONS OF PESTICIDES AND FERTILIZERS TO PREVENT POLLUTED RUNOFF.
- 9) LIMIT CONSTRUCTION ACCESS ROUTES AND STABILIZE DESIGNATED ACCESS POINTS.
- 10) AVOID TRACKING DIRT OR MATERIALS OFF-SITE; CLEAN OFF-SITE PAVED AREAS AND SIDEWALKS USING DRY SWEEPING METHODS TO THE MAXIMUM EXTENT PRACTICAL.

SUPPLEMENTAL MEASURES

- A. THE PHRASE "NO DUMPING - DRAINS TO BAY" OR EQUALLY EFFECTIVE PHRASE MUST BE LABELED ON STORM DRAIN INLETS (BY STENCILING, BRANDING, OR PLAQUES) TO ALERT THE PUBLIC TO THE DESTINATION OF STORM WATER AND TO PREVENT DIRECT DISCHARGE OF POLLUTANTS INTO THE STORM DRAIN.
- B. USING FILTRATION MATERIALS ON STORM DRAIN COVERS TO REMOVE SEDIMENT FROM DEWATERING EFFLUENT.
- C. STABILIZING ALL DENUDE AREAS AND MAINTAINING EROSION CONTROL MEASURES CONTINUOUSLY FROM OCTOBER 1 AND APRIL 15.
- D. REMOVING SPOILS PROMPTLY, AND AVOID STOCKPILING OF FILL MATERIALS, WHEN RAIN IS FORECAST. IF RAIN THREATENS, STOCKPILED SOILS AND OTHER MATERIALS SHALL BE COVERED WITH A TARP OR OTHER WATERPROOF MATERIAL.
- E. STORING, HANDLING, AND DISPOSING OF CONSTRUCTION MATERIALS AND WASTES SO AS TO AVOID THEIR ENTRY TO THE STORM DRAIN SYSTEMS OR WATER BODY.
- F. AVOIDING CLEANING, FUELING, OR MAINTAINING VEHICLES ON-SITE, EXCEPT IN AN AREA DESIGNATED TO CONTAIN AND TREAT RUNOFF.

GRADING & DRAINAGE NOTES:

1. SCOPE OF WORK

THESE SPECIFICATIONS AND APPLICABLE PLANS PERTAIN TO AND INCLUDE ALL SITE GRADING AND EARTHWORK ASSOCIATED WITH THE PROJECT INCLUDING, BUT NOT LIMITED TO THE FURNISHING OF ALL LABOR, TOOLS AND EQUIPMENT NECESSARY FOR SITE CLEARING AND GRUBBING, SITE PREPARATION, DISPOSAL OF EXCESS OR UNSUITABLE MATERIAL, STRIPPING, KEYING, EXCAVATION, OVER EXCAVATION, RECOMPACTION PREPARATION FOR SOIL RECEIVING FILL, PAVEMENT, FOUNDATION OF SLABS, EXCAVATION, IMPORTATION OF ANY REQUIRED FILL MATERIAL, PROCESSING, PLACEMENT AND COMPACTION OF FILL AND SUBSIDIARY WORK NECESSARY TO COMPLETE THE GRADING TO CONFORM TO THE LINES, GRADING AND SLOPE SHOWN ON THE PROJECT GRADING PLANS.

2. GENERAL

- A. ALL SITE GRADING AND EARTHWORK SHALL CONFORM TO THE RECOMMENDATIONS OF THE DEPARTMENT OF THE STATE ARCHITECT.
- B. ALL FILL MATERIALS SHALL BE DENSIFIED SO AS TO PRODUCE A DENSITY NOT LESS THAN 90% RELATIVE COMPACTION BASED UPON ASTM TEST DESIGNATION D1557. FIELD DENSITY TEST WILL BE PERFORMED IN ACCORDANCE WITH ASTM TEST DESIGNATION 2922 AND 3017. THE LOCATION AND FREQUENCY OF THE FIELD DENSITY TEST WILL BE AS DETERMINED BY THE SOIL ENGINEER. THE RESULTS OF THESE TESTS AND COMPLIANCE WITH THE SPECIFICATIONS WILL BE THE BASIS UPON WHICH SATISFACTORY COMPLETION OF THE WORK WILL BE JUDGED BY THE SOIL ENGINEER. ALL CUT AND FILL SLOPES SHALL BE CONSTRUCTED AS SHOWN ON PLANS, BUT NO STEEPER THAN TWO (2) HORIZONTAL TO ONE (1) VERTICAL.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SATISFACTORY COMPLETION OF ALL THE EARTHWORK IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. NO DEVIATION FROM THESE SPECIFICATIONS SHALL BE MADE EXCEPT UPON WRITTEN APPROVAL BY THE SOILS ENGINEER. BOTH CUT AND FILL AREAS SHALL BE SURFACE COMPLETED TO THE SATISFACTION OF THE SOILS ENGINEER AT THE CONCLUSION OF ALL GRADING OPERATIONS AND PRIOR TO FINAL ACCEPTANCE. THE CONTRACTOR SHALL NOTIFY THE SOILS ENGINEER AT LEAST TWO (2) WORKING DAYS PRIOR TO DOING ANY SITE GRADING AND EARTHWORK INCLUDING CLEARING.

3. CLEARING AND GRUBBING

- A. THE CONTRACTOR SHALL ACCEPT THE SITE IN ITS PRESENT CONDITION. ALL EXISTING PUBLIC IMPROVEMENTS SHALL BE PROTECTED. ANY IMPROVEMENTS DAMAGED SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE LOCAL JURISDICTION WITH NO EXTRA COMPENSATION.
- B. ALL ABANDONED BUILDINGS AND FOUNDATIONS, TREE (EXCEPT THOSE SPECIFIED TO REMAIN FOR LANDSCAPING PURPOSES), FENCES, VEGETATION AND ANY SURFACE DEBRIS SHALL BE REMOVED AND DISPOSED OF OFF THE SITE BY THE CONTRACTOR.
- C. ALL ABANDONED SEPTIC TANKS AND ANY OTHER SUBSURFACE STRUCTURES EXISTING IN PROPOSED DEVELOPMENT AREAS SHALL BE REMOVED PRIOR TO ANY GRADING OR FILL OPERATION. ALL APPURTENANT DRAIN FIELDS AND OTHER CONNECTING LINES MUST ALSO BE TOTALLY REMOVED.
- D. ALL ABANDONED UNDERGROUND IRRIGATION OR UTILITY LINES SHALL BE REMOVED OR DEMOLISHED. THE APPROPRIATE FINAL DISPOSITION OF SUCH LINES DEPEND UPON THEIR DEPTH AND LOCATION AND THE METHOD OF REMOVAL OR DEMOLITION SHALL BE DETERMINED BY THE SOILS ENGINEER. ONE OF THE FOLLOWING METHODS WILL BE USED:
 - (1) EXCAVATE AND TOTALLY REMOVE THE UTILITY LINE FROM THE TRENCH.
 - (2) EXCAVATE AND CRUSH THE UTILITY LINE IN THE TRENCH.
 - (3) CAP THE ENDS OF THE UTILITY LINE WITH CONCRETE TO PREVENT THE ENTRANCE OF WATER. THE LOCATIONS AT WHICH THE UTILITY LINE WILL BE CAPPED WILL BE DETERMINED BY THE UTILITY DISTRICT ENGINEER. THE LENGTH OF THE CAP SHALL NOT BE LESS THAN FIVE FEET, AND THE CONCRETED MIX EMPLOYED SHALL HAVE MINIMUM SHRINKAGE.

4. SITE PREPARATION AND STRIPPING

- A. ALL SURFACE ORGANICS SHALL BE STRIPPED AND REMOVED FROM BUILDING PADS, AREAS TO RECEIVE COMPACTED FILL AND PAVEMENT AREAS.
- B. UPON THE COMPLETION OF THE ORGANIC STRIPPING OPERATION, THE GROUND SURFACE (NATIVE SOIL SUBGRADE) OVER THE ENTIRE AREA OF ALL BUILDING PADS, STREET AND PAVEMENT AREAS AND ALL AREAS TO RECEIVE COMPACTED FILL SHALL BE PLOWED OR SCARIFIED UNTIL THE SURFACE IS FREE OF RUTS, HUMMOCKS OR OTHER UNEVEN FEATURES WHICH MAY INHIBIT UNIFORM SOIL COMPACTION. THE GROUND SURFACE SHALL THEN BE DISCED OR BLADED TO A DEPTH OF AT LEAST 6 INCHES. UPON ENGINEER'S SATISFACTION, THE NEW SURFACE SHALL BE WATER CONDITIONED AND RECOMPACTED PER REQUIREMENTS FOR COMPACTING FILL MATERIAL.

5. EXCAVATION

- A. UPON COMPLETION OF THE CLEARING AND GRUBBING, SITE PREPARATION AND STRIPPING, THE CONTRACTOR SHALL MAKE EXCAVATIONS TO LINES AND GRADES NOTED ON THE PLAN. WHERE REQUIRED BY THE SOILS ENGINEER, UNACCEPTABLE NATIVE SOILS OR UNENGINEERED FILL SHALL BE OVER EXCAVATED BELOW THE DESIGN GRADE. SEE PROJECT SOILS REPORT FOR DISCUSSION OF OVER EXCAVATION OF THE UNACCEPTABLE MATERIAL. RESULTING GROUND LINE SHALL BE SCARIFIED, MOISTURE-CONDITIONED AND RECOMPACTED AS SPECIFIED IN SECTION 4 OF THESE SPECIFICATIONS. COMPACTED FILL MATERIAL SHALL BE PLACED TO BRING GROUND LEVEL BACK TO DESIGN GRADE.
- B. EXCAVATED MATERIALS SUITABLE FOR COMPACTED FILL MATERIAL SHALL BE UTILIZED IN MAKING THE REQUIRED COMPACTED FILLS. THOSE NATIVE MATERIALS CONSIDERED UNSUITABLE BY THE SOILS ENGINEER SHALL BE DISPOSED OF OFF THE SITE BY THE CONTRACTOR.

9. DUST CONTROL

THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY FOR THE ALLEVIATION OR PREVENTION OF ANY DUST NUISANCE ON OR ABOUT THE SITE CAUSED BY THE CONTRACTOR'S OPERATION EITHER DURING THE PERFORMANCE OF THE GRADING OR RESULTING FROM THE CONDITION IN WHICH THE CONTRACTOR LEAVES THE SITE. THE CONTRACTOR SHALL ASSUME ALL LIABILITY INCLUDING COURT COST OF CO-DEFENDANTS FOR ALL CLAIMS RELATED TO DUST OR WIND-BLOWN MATERIALS ATTRIBUTABLE TO HIS WORK. COST FOR THIS ITEM OF WORK IS TO BE INCLUDED IN THE EXCAVATION ITEM AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

10. INDEMNITY

THE CONTRACTOR WILL HOLD HARMLESS, INDEMNIFY AND DEFEND THE ENGINEER, THE OWNER AND HIS CONSULTANTS AND EACH OF THEIR OFFICERS AND EMPLOYEES AND AGENTS, FROM ANY AND ALL LIABILITY CLAIMS, LOSSES OR DAMAGE ARISING OR ALLEGED TO HEREIN, BUT NOT INCLUDING THE SOLE NEGLIGENCE OF THE OWNER, THE ARCHITECT, THE ENGINEER AND HIS CONSULTANTS AND EACH OF THEIR OFFICERS AND EMPLOYEES AND AGENTS.

11. SAFETY

IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE. INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

THE DUTY OF THE ENGINEERS TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE.

12. GUARANTEE

NEITHER THE FINAL PAYMENT, NOR THE PROVISIONS IN THE CONTRACT, NOR PARTIAL, NOR ENTIRE USE OR OCCUPANCY OF THE PREMISES BY THE OWNER SHALL CONSTITUTE AN ACCEPTANCE OF THE WORK NOT DONE IN ACCORDANCE WITH THE CONTRACT OR RELIEVES THE CONTRACTOR OF LIABILITY IN RESPECT TO ANY EXPRESS WARRANTIES OR RESPONSIBILITY FOR FAULTY MATERIAL OR WORKMANSHIP.

THE CONTRACTOR SHALL REMEDY ANY DEFECTS IN WORK AND PAY FOR ANY DAMAGE TO OTHER WORK RESULTING THERE FROM WHICH SHALL APPEAR WITHIN A PERIOD OF ONE (1) CALENDAR YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK.

13. TRENCH BACKFILL

EITHER THE ON-SITE INORGANIC SOIL OR APPROVED IMPORTED SOIL MAY BE USED AS TRENCH BACKFILL. THE BACKFILL MATERIAL SHALL BE MOISTURE CONDITIONED PER THESE SPECIFICATIONS AND SHALL BE PLACED IN LIFTS OF NOT MORE THAN SIX INCHES IN HORIZONTAL UNCOMPACTED LAYERS AND BE COMPACTED BY MECHANICAL MEANS TO A MINIMUM OF 90% RELATIVE COMPACTION. IMPORTED SAND MAY BE USED FOR TRENCH BACKFILL MATERIAL PROVIDED IT IS COMPACTED TO AT LEAST 90% RELATIVE COMPACTION. WATER JETTING ASSOCIATED WITH COMPACTION USING VIBRATORY EQUIPMENT WILL BE PERMITTED ONLY WITH IMPORTED SAND BACKFILL WITH THE APPROVAL OF THE SOILS ENGINEER. ALL PIPES SHALL BE BEDDED WITH SAND EXTENDING FROM THE TRENCH BOTTOM TO TWELVE INCHES ABOVE THE PIPE. SAND BEDDING IS TO BE COMPACTED AS SPECIFIED ABOVE FOR SAND BACKFILL.

14. EROSION CONTROL

- A. ALL GRADING, EROSION AND SEDIMENT CONTROL AND RELATED WORK UNDERTAKEN ON THIS SITE IS SUBJECT TO ALL TERMS AND CONDITIONS OF THE COUNTY GRADING ORDINANCE AND MADE A PART HEREOF BY REFERENCE.
- B. THE CONTRACTOR WILL BE LIABLE FOR ANY AND ALL DAMAGES TO ANY PUBLICLY OWNED AND MAINTAINED ROAD CAUSED BY THE AFORESAID CONTRACTOR'S GRADING ACTIVITIES, AND SHALL BE RESPONSIBLE FOR THE CLEANUP OF ANY MATERIAL SPILLED ON ANY PUBLIC ROAD ON THE HAUL ROUTE.
- C. THE EROSION CONTROL MEASURES ARE TO BE OPERABLE DURING THE RAINY SEASON, GENERALLY FROM OCTOBER 1 TO APRIL 15. EROSION CONTROL PLANTING IS TO BE COMPLETED BY OCTOBER FIRST. NO GRADING OR UTILITY TRENCHING SHALL OCCUR BETWEEN OCTOBER 1 AND APRIL 15 UNLESS AUTHORIZED BY THE LOCAL JURISDICTION.
- D. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED AND CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF THE SOILS ENGINEER.
- E. DURING THE RAINY SEASON, ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT-LADEN RUNOFF TO ANY STORM DRAINAGE SYSTEM.
- F. ALL EROSION CONTROL FACILITIES MUST BE INSPECTED AND REPAIRED AT THE END OF EACH WORKING DAY DURING THE RAINY SEASON.

15. CLEANUP

THE CONTRACTOR MUST MAINTAIN THE SITE CLEAN, SAFE AND IN USABLE CONDITION. ANY SPILLS OF SOIL, ROCK OR CONSTRUCTION MATERIAL MUST BE REMOVED FROM THE SITE BY THE CONTRACTOR DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. COST FOR THIS ITEM OF WORK SHALL BE INCLUDED IN THE EXCAVATION AND COMPACTION ITEM AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS & LAND SURVEYORS
REGIONAL OFFICES:
MAIN OFFICE: 634 EL CAMINO REAL, SOUTH SAN FRANCISCO, CALIFORNIA 94080
HAYWARD OFFICE: 15000 HAYWARD AVENUE, HAYWARD, CALIFORNIA 94545
(510) 887-4066
WWW.LEABRAZE.COM

634 EL CAMINO REAL
SOUTH SAN FRANCISCO,
CALIFORNIA

APN: 014-160-050

SAN MATEO COUNTY

GENERAL
SPECIFICATIONS

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-	-
REVISIONS	BY
JOB NO:	2250809
DATE:	11-21-25
SCALE:	NO SCALE
DESIGN BY:	KT/SWL
CHECKED BY:	RM/JT
SHEET NO:	
C-5.0	
6 OF 8 SHEETS	

NOTE:
THESE NOTES ARE INTENDED TO BE USED AS A GENERAL GUIDELINE. THE REFERENCED SOILS REPORT FOR THE PROJECT AND GOVERNING AGENCY GRADING ORDINANCE SHALL SUPERSEDE THESE NOTES. THE SOILS ENGINEER MAY MAKE ON-SITE RECOMMENDATIONS DURING GRADING OPERATIONS.

THE PURPOSE OF THIS PLAN IS TO STABILIZE THE SITE TO PREVENT EROSION OF GRADED AREAS AND TO PREVENT SEDIMENTATION FROM LEAVING THE CONSTRUCTION AREA AND AFFECTING NEIGHBORING SITES, NATURAL AREAS, PUBLIC UTILITIES AND ANY OTHER AREA THAT MIGHT BE AFFECTED BY SEDIMENTATION. ALL MEASURES SHOWN ON THIS PLAN SHOULD BE CONSIDERED THE MINIMUM REQUIREMENTS NECESSARY. SHOULD FIELD CONDITIONS DICTATE ADDITIONAL MEASURES, SUCH MEASURES SHALL BE PER CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDIMENTATION CONTROL AND THE CALIFORNIA STORM WATER QUALITY ASSOCIATION'S BEST MANAGEMENT PRACTICES FOR CONSTRUCTION. LEA & BRAZE ENGINEERING SHOULD BE NOTIFIED IMMEDIATELY SHOULD CONDITIONS CHANGE.

1. IT SHALL BE THE OWNER'S/CONTRACTOR'S RESPONSIBILITY TO MAINTAIN CONTROL OF THE ENTIRE CONSTRUCTION OPERATION AND TO KEEP THE ENTIRE SITE IN COMPLIANCE WITH THIS EROSION CONTROL PLAN.
2. THE INTENTION OF THIS PLAN IS FOR INTERIM EROSION AND SEDIMENT CONTROL ONLY. ALL EROSION CONTROL MEASURES SHALL CONFORM TO CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDIMENTATION CONTROL, THE CALIFORNIA STORM WATER QUALITY ASSOCIATION BEST MANAGEMENT PRACTICES HANDBOOK FOR CONSTRUCTION, AND THE LOCAL GOVERNING AGENCY FOR THIS PROJECT.
3. OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO, DURING, AND AFTER STORM EVENTS. PERSON IN CHARGE OF MAINTAINING EROSION CONTROL MEASURES SHOULD WATCH LOCAL WEATHER REPORTS AND ACT APPROPRIATELY TO MAKE SURE ALL NECESSARY MEASURES ARE IN PLACE.
4. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
5. DURING THE RAINY SEASON, ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT-LADEN RUNOFF TO ANY STORM DRAINAGE SYSTEM, INCLUDING EXISTING DRAINAGE SWALES AND WATERCOURSES.
6. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION WILL BE MINIMIZED. COMPLIANCE WITH FEDERAL, STATE AND LOCAL LAWS CONCERNING POLLUTION SHALL BE MAINTAINED AT ALL TIMES.
7. CONTRACTOR SHALL PROVIDE DUST CONTROL AS REQUIRED BY THE APPROPRIATE FEDERAL, STATE AND LOCAL AGENCY REQUIREMENTS.
8. ALL MATERIALS NECESSARY FOR THE APPROVED EROSION CONTROL MEASURES SHALL BE IN PLACE BY NOVEMBER 1.
9. EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE RAINY SEASON, OR FROM NOVEMBER 1 THROUGH MAY 1, WHICHEVER IS LONGER.
10. IN THE EVENT OF RAIN, ALL GRADING WORK IS TO CEASE IMMEDIATELY AND THE SITE IS TO BE SEALED IN ACCORDANCE WITH THE APPROVAL EROSION CONTROL MEASURES AND APPROVED EROSION CONTROL PLAN.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND REPAIRING EROSION CONTROL SYSTEMS AFTER EACH STORM.
12. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY LOCAL JURISDICTION'S ENGINEERING DEPARTMENT OR BUILDING OFFICIALS.
13. MEASURES SHALL BE TAKEN TO COLLECT OR CLEAN ANY ACCUMULATION OR DEPOSIT OF DIRT, MUD, SAND, ROCKS, GRAVEL OR DEBRIS ON THE SURFACE OF ANY STREET, ALLEY OR PUBLIC PLACE OR IN ANY PUBLIC STORM DRAIN SYSTEMS. THE REMOVAL OF AFORESAID SHALL BE DONE BY STREET SWEEPING OR HAND SWEEPING. WATER SHALL NOT BE USED TO WASH SEDIMENTS INTO PUBLIC OR PRIVATE DRAINAGE FACILITIES.
14. EROSION CONTROL MEASURES SHALL BE ON-SITE FROM NOVEMBER 1 THROUGH MAY 1.
15. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE RAINY SEASON OR FROM NOVEMBER 1 THROUGH MAY 1, WHICHEVER IS GREATER.
16. PLANS SHALL BE DESIGNED TO MEET C3 REQUIREMENTS OF THE MUNICIPAL STORMWATER REGIONAL PERMIT ("MRP") NPDES PERMIT CAS 612008.
17. THE CONTRACTOR SHALL ADHERE TO NPDES (NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM) BEST MANAGEMENT PRACTICES (BMP) FOR SEDIMENTATION PREVENTION AND EROSION CONTROL TO PREVENT DELETERIOUS MATERIALS OR POLLUTANTS FROM ENTERING THE CITY OR COUNTY STORM DRAIN SYSTEMS.
18. THE CONTRACTOR MUST INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO THE INCEPTION OF ANY WORK ONSITE AND MAINTAIN THE MEASURES UNTIL THE COMPLETION OF ALL LANDSCAPING.
19. THE CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN DUST FREE AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF THE CITY INSPECTOR. THE ADJACENT STREET SHALL AT ALL TIMES BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCE BEING CONTROLLED AT ALL TIMES. THE CONTRACTOR BE RESPONSIBLE FOR ANY CLEAN UP ON ADJACENT STREETS AFFECTED BY THE BY THEIR CONSTRUCTION. METHOD OF STREET CLEANING SHALL BE BY DRY SWEEPING OF ALL PAVED AREAS. NO STOCKPILING OF BUILDING MATERIALS WITHIN THE CITY RIGHT-OF-WAY.
20. SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE PRIOR TO THE INSPECTION OF ANY WORK ONSITE AND MAINTAIN IT FOR THE DURATION OF THE CONSTRUCTION PROCESS SO AS TO NOT INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC RIGHT-OF-WAY UNTIL THE COMPLETION OF ALL LANDSCAPING.
21. THE CONTRACTOR SHALL PROTECT DOWN SLOPE DRAINAGE COURSES, STREAMS AND STORM DRAINS WITH ROCK FILLED SAND BAGS, TEMPORARY SWALES, SILT FENCES, AND EARTHEN BERMS IN CONJUNCTION OF ALL LANDSCAPING.
22. STOCKPILED MATERIALS SHALL BE COVERED WITH VISQUEEN OR A TARP/AULIN UNTIL THE MATERIAL IS REMOVED FROM THE SITE. ANY REMAINING BARE SOIL THAT EXISTS AFTER THE STOCKPILE HAS BEEN REMOVED SHALL BE COVERED UNTIL A NATURAL GROUND COVER IS ESTABLISHED OR IT IS SEEDDED OR PLANTED TO PROVIDE GROUND COVER PRIOR TO THE FALL RAINY SEASON.
23. EXCESS OR WASTE CONCRETE MUST NOT BE WASHED INTO THE PUBLIC RIGHT-OF-WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
24. TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION AND DISPERSAL BY WIND

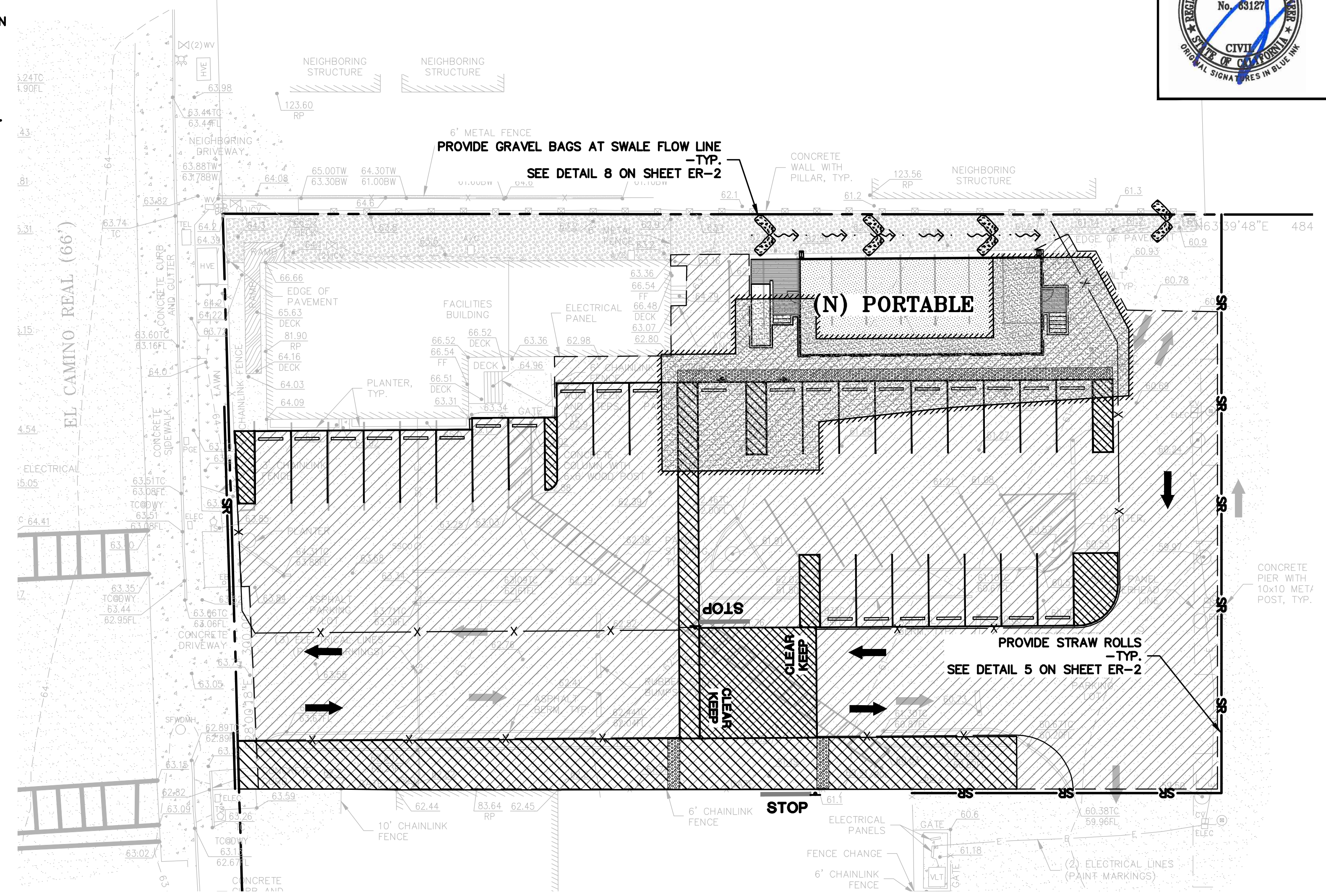
25. FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MUST NOT BE WASHED INTO THE DRAINAGE SYSTEM,
26. DUST CONTROL SHALL BE DONE BY WATERING AND AS OFTEN AS REQUIRED BY THE CITY INSPECTOR.
27. SILT FENCE(S) AND/OR FIBER ROLL(S) SHALL BE INSTALLED PRIOR TO NOVEMBER 1, AND SHALL REMAIN IN PLACE UNTIL THE LANDSCAPING GROUND COVER IS INSTALLED. CONTRACTOR SHALL CONTINUOUSLY MONITOR THESE MEASURES, FOLLOWING AND DURING ALL RAIN EVENTS, TO PUBLIC OWNED FACILITIES.

1. THE FACILITIES SHOWN ON THIS PLAN ARE DESIGNED TO CONTROL EROSION AND SEDIMENT DURING THE RAINY SEASON, NOVEMBER 1 TO MAY 1. EROSION CONTROL FACILITIES SHALL BE IN PLACE PRIOR TO NOVEMBER 1 OF ANY YEAR. GRADING OPERATIONS DURING THE RAINY SEASON WHICH LEAVE DENUDE SLOPES SHALL BE PROTECTED WITH EROSION CONTROL MEASURES IMMEDIATELY FOLLOWING GRADING ON THE SLOPES.
2. SITE CONDITIONS AT TIME OF PLACEMENT OF EROSION CONTROL MEASURES WILL VARY. APPROPRIATE ACTION INCLUDING TEMPORARY SWALES, INLETS, HYDROSEEDING, STRAW BALES, ROCK SACKS, ETC. SHALL BE TAKEN TO PREVENT EROSION AND SEDIMENTATION FROM LEAVING SITE. EROSION CONTROL MEASURES SHALL BE ADJUSTED AS THE CONDITIONS CHANGE AND THE NEED OF CONSTRUCTION SHIFT.
3. CONSTRUCTION ENTRANCES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF GRADING. ANY DIRT OR DEBRIS ENTERING ONTO THE PAVED ROADS MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCES. CONTRACTOR SHALL MAINTAIN STABILIZED ENTRANCE AT EACH VEHICLE ACCESS POINT TO EXISTING PAVED STREETS. ANY MUD OR DEBRIS TRACKED ONTO PUBLIC STREETS SHALL BE REMOVED DAILY AND AS REQUIRED BY THE GOVERNING AGENCY.
4. ALL EXPOSED SLOPES THAT ARE NOT VEGETATED SHALL BE HYDROSEEDED. IF HYDROSEEDING IS NOT USED OR IS NOT EFFECTIVE BY NOVEMBER 1, THEN OTHER IMMEDIATE METHODS SHALL BE IMPLEMENTED, SUCH AS EROSION CONTROL BLANKETS, OR A THREE-STEP APPLICATION OF 1) SEED, MULCH, FERTILIZER 2) BLOWN STRAW 3) TACKIFIER AND MULCH. HYDROSEEDING SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF SECTION 20" EROSION CONTROL AND HIGHWAY PLANTING" OF THE STANDARD SPECIFICATION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, AS LAST REVISED. REFER TO THE EROSION CONTROL SECTION OF THE GRADING SPECIFICATIONS THAT ARE A PART OF THIS PLAN SET FOR FURTHER INFORMATION.
5. INLET PROTECTION SHALL BE INSTALLED AT OPEN INLETS TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM. INLETS NOT USED IN CONJUNCTION WITH EROSION CONTROL ARE TO BE BLOCKED TO PREVENT ENTRY OF SEDIMENT. MINIMUM INLET PROTECTION SHALL CONSIST OF A ROCK SACKS OR AS SHOWN ON THIS PLAN
6. THIS EROSION AND SEDIMENT CONTROL PLAN MAY NOT COVER ALL THE SITUATIONS THAT MAY ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS AND ADDITIONS MAY BE MADE TO THIS PLAN IN THE FIELD. A REPRESENTATIVE OF LEA & BRAZE ENGINEERING SHALL PERFORM A FIELD REVIEW AND MAKE RECOMMENDATIONS AS NEEDED. CONTRACTOR IS RESPONSIBLE TO NOTIFY LEA & BRAZE ENGINEERING AND THE GOVERNING AGENCY OF ANY CHANGES.
7. THE EROSION CONTROL MEASURES SHALL CONFORM TO THE LOCAL JURISDICTION'S STANDARDS AND THE APPROVAL OF THE LOCAL JURISDICTION'S ENGINEERING DEPARTMENT.
8. STRAW ROLLS SHALL BE PLACED AT THE TOE OF SLOPES AND ALONG THE DOWN SLOPE PERIMETER OF THE PROJECT. THEY SHALL BE PLACED AT 25 FOOT INTERVALS ON GRADE SLOPES. PLACEMENT SHALL RUN WITH THE CONTOURS AND ROLLS SHALL BE TIGHTLY END BUTTED. CONTRACTOR SHALL REFER TO MANUFACTURERS SPECIFICATIONS FOR PLACEMENT AND INSTALLATION INSTRUCTIONS.

1. CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD'S FIELD MANUAL FOR EROSION AND SEDIMENTATION CONTROL
2. CALIFORNIA STORM WATER QUALITY ASSOCIATION BEST MANAGEMENT PRACTICES HANDBOOK FOR CONSTRUCTION

1. MAINTENANCE IS TO BE PERFORMED AS FOLLOWS:

- A. DAMAGES CAUSED BY SOIL EROSION OR CONSTRUCTION SHALL BE REPAIRED AT THE END OF EACH WORKING DAY.
- B. SWALES SHALL BE INSPECTED PERIODICALLY AND MAINTAINED AS NEEDED.
- C. SEDIMENT TRAPS, BERMS, AND SWALES ARE TO BE INSPECTED AFTER EACH STORM AND REPAIRS MADE AS NEEDED.
- D. SEDIMENT SHALL BE REMOVED AND SEDIMENT TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO A DEPTH OF 1' FOOT.
- E. SEDIMENT REMOVED FROM TRAP SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- F. RILLS AND GULLIES MUST BE REPAIRED.
2. GRAVEL BAG INLET PROTECTION SHALL BE CLEANED OUT WHENEVER SEDIMENT DEPTH IS ONE HALF THE HEIGHT OF ONE GRAVEL BAG.
3. STRAW ROLLS SHALL BE PERIODICALLY CHECKED TO ASSURE PROPER FUNCTION AND CLEANED OUT WHENEVER THE SEDIMENT DEPTH REACHED HALF THE HEIGHT OF THE ROLL.
4. SILT FENCE SHALL BE PERIODICALLY CHECKED TO ASSURE PROPER FUNCTION AND CLEANED OUT WHENEVER THE SEDIMENT DEPTH REACHES ONE FOOT IN HEIGHT.
5. CONSTRUCTION ENTRANCE SHALL BE REGRAVELED AS NECESSARY FOLLOWING SILT/SOIL BUILDUP.
6. ANY OTHER EROSION CONTROL MEASURES SHOULD BE CHECKED AT REGULAR INTERVALS TO ASSURE PROPER FUNCTION



	GRAVEL BAG
	SEDIMENTATION BASIN
	INLET PROTECTION
	STRAW ROLL
	SILT FENCE
	CONCRETE WASHOUT
	CONSTRUCTION ENTRANCE
	TREE PROTECTION
	EROSION CONTROL BLANKET / MATTING

NOTE:
SEAL ALL OTHER INLETS NOT INTENDED
TO ACCEPT STORM WATER AND DIRECT
FLOWS TEMPORARILY TO FUNCTIONAL
SEDIMENTATION BASIN INLETS. -TYP



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DATE: 11/26/2025



LEA & BRAZE ENGINEERING, INC.
CIVIL ENGINEERS | LAND SURVEYORS

MAIN OFFICE:
2495 INDUSTRIAL PKWY WEST
HAYWARD, CALIFORNIA 94545
(510) 887-4086

REGIONAL OFFICES:
ROSEVILLE
DUBLIN
SAN JOSE

WWW.LEABRAZE.COM

634 EL CAMINO REAL
SOUTH SAN FRANCISCO,
CALIFORNIA

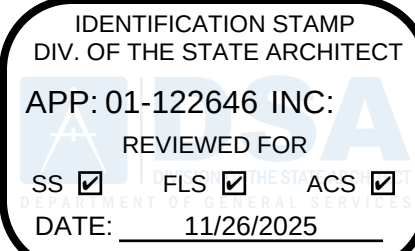
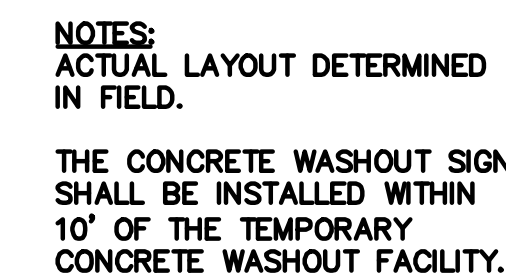
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SAN MATEO COUNTY

EROSION CONTROL PLAN

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—	—
REVISIONS	BY
JOB NO:	2250809
DATE:	11-21-25
SCALE:	AS NOTED
DESIGN BY:	KT/SWL
CHECKED BY:	RM/JT
SHEET NO:	

ER-1



 **LEA & BRAZE ENGINEERING, INC.**
CIVIL ENGINEERS | LAND SURVEYORS

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FAYWARD, CALIFORNIA 94545
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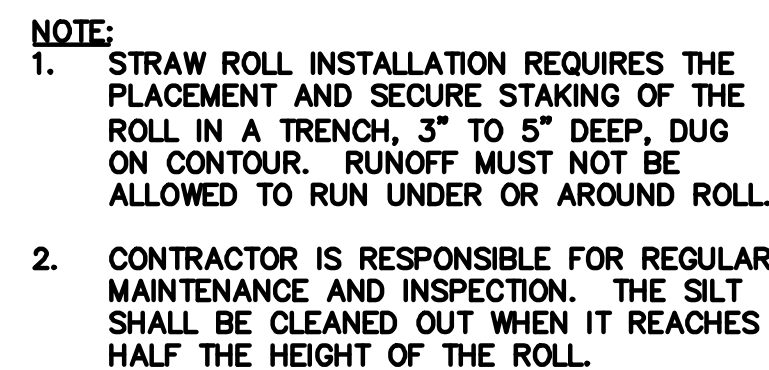
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SAN MATEO COUNTY

EROSION CONTROL DETAILS

**ER-2**

Symbols List:	
	Plan, detail or section designation.
	Room number.
	Sheet reference symbol - see associated note on same sheet.
	Feeder schedule symbol.
	Mechanical equipment tag.
	Indicates fixture type.
Luminaire symbols	
	Luminaire - see schedule.
	Luminaire - see schedule.
	Luminaire - see schedule.
	Luminaire - see schedule.
	Pole mounted luminaire - see schedule.
	Pole mounted luminaire - see schedule.
	Luminaire exterior wall mounted - see schedule.
	Luminaire - see schedule.
	Step luminaire - see schedule.
	Luminaire wall mounted-see schedule.
	Emergency luminaire - provide emergency battery ballast.
	Emergency luminaire - provide emergency battery ballast.
	Emergency luminaire - provide emergency battery ballast.
	Emergency luminaire - provide emergency battery ballast.
	Emergency luminaire wall mounted- provide emergency battery ballast.
	Exit light single face - see schedule.
	Exit light single face (with arrow)- see schedule.
	Exit light (double faced with arrow)- see schedule.
	Combination exit light emergency battery pack/exit light single face (with arrow) install as directed - see schedule.
	Emergency battery pack exit light install as directed - see schedule.
Typical luminaire nomenclature	
	Indicates switching designation
	Indicates circuit number

Receptacle symbols	
	Convenience receptacle - duplex at + 18" aff uon.
	Cord Reel. See mounting detail for additional information.
	Ceiling mounted receptacle.
	Gfci convenience receptacle - duplex.
	Gfci convenience receptacle - quadplex.
	Receptacle double duplex at + 18" aff uon.
	Floor box with convenience receptacle and data outlet.
	Flush floor box with single convenience receptacle.
	Surface raceway, install height per architectural drawings aff uon.
	Channel surface raceway riser to ceiling, install to horizontal surface raceway or height indicated.

Switch symbols	
	Single pole switch, + 48" aff to the top of the switch box, uon. a = circuit controlled.
	Three way switch, + 48" aff to the top of the switch box, uon.
	Motor rated switch.
	Motor rated switch connected to exhaust fan.
	Dimming switch, +48" aff to the top of the switch box, uon. a = circuit controlled.
	Lighting occupancy sensor.
	Two circuit wall switch with built in occupancy sensor. Connect a,b switching to lighting fixtures as required. Mount at +48"aff to the top of the switch box, uon.
	One circuit wall switch with built in occupancy sensor. Connect switching to lighting fixtures as required. Mount at +48"aff to the top of the switch box, uon.
	Lighting occupancy sensor. Wattstopper LMDC-100, Ceiling mount.
	Photo Control. Wattstoper LMLS-500, Ceiling/Wall Mount.
	Wall switch, + 48" aff to the top of the switch box, uon. Wattstopper LMSW-105.
	Room controller, mounted above ceiling. Wattstopper LMRC-211.
	Room controller, mounted above ceiling. Wattstopper LMRC-212.

Communications symbols	
	Data rack. See low voltage drawings for additional information and requirements.
	Telephone device. - provide 4 11/16" x 4 11/16" x 2 1/4" j-box with a single gang extension ring and 3/4" conduit to above accessible t-bar ceiling. Mount device in surface raceway indicated. If concealed provide 1" conduit to above accessible ceiling or indicated junction box. Install at + 48" aff to top of box, uon. Connect device per PA/Intercom riser diagram.
	Emergency telephone. Route back to MPOE.
	Data wall outlet - provide 4-11/16" x 4-11/16" x 4" deep j-box with device plate. Provide 3/4" conduit concealed to above accessible ceiling. Install per Architectural drawings. Number adjacent to the outlet indicates the number of data cable drops and terminations at each location.
	Data wall outlet for wireless access point - provide 4-11/16" x 4-11/16" x 4" deep j-box with device plate. Provide 3/4" conduit concealed to above accessible ceiling. Install per Architectural drawings.
	Wall mounted interior speaker + 8'-0" aff uon, verify before installation.
	Wall mounted exterior speaker + 8'-0" aff uon, verify before installation.
	Analog Clock + 8'-0" aff uon, verify before installation.
	Tv outlet - 4-11/16" x 2-1/8" deep box with 1 gang ring - type "f" female connector and (1) single gang box with (1) 20a - 120v quadplex receptacle. Install in tv cabinet shelf. Provide 3/4" conduit for catv to above accessible ceiling. Provide extension ring as required to install in cabinet.
	Wireless access point. Mount to wall column at 15', refer to architectural drawings for location.
	Wiremold raceway with receptacles and data outlets and device plate. Route raceway underneath counter for computer installation. Provide power conduits for raceway receptacles and route concealed in wall. Provide 1" conduit concealed for data and route from surface raceway to above accessible ceiling.
	Digital Clock/Speaker + 8'-0" aff uon, verify before installation.
	Emergency Call Button 48" from to of box aff uon, verify before installation.
	Emergency power off button.
	AV outlet. See riser diagram for requirements. 4-11/16" x 2-1/8" deep box with 1-gang ring. Provide 1 1/4"C homerun to AV cabinet. Mount at +18"A.F.F.
	Ceiling mounted AV outlet. See riser diagram for requirements. Provide 1 1/4"C homerun to AV cabinet.
	Local AV speaker. See riser diagram for requirements. 4-11/16" x 2-1/8" deep box with 1-gang ring. Provide 1"C homerun to AV cabinet. Mount at +8"A.F.F.
	Pixie controller outlet. Provide 1 1/4" conduit concealed to above/nearest accessible ceiling. Provide model #Pixie PXE-DCM+ or approved equal. See AV wiring diagram detail for additional information.

Intrusion And Access Control Symbols	
	Keypad 48" from top of box aff uon, verify before installation.
	Motion Sensor + 8'-0" aff uon, verify before installation.
	Security door contact. Provide 3/4" C. From door frame to j-box above accessible ceiling. Conceal conduit in the wall. coordinate with mechanical.
	Card Reader 48" from top of box aff uon, verify before installation.
	Classroom Bell

Power distribution symbols	
	Panelboard - surface or flush mounted.
	Lighting control panel controlled by EMS.
	Junction box - ceiling or wall mounted, size per cec, tape and tag wires.
	Main switchboard or distribution panel.
	Motor
	Rating as indicated.
	Unfused disconnect switch - rating as indicated.
	Fused disconnect switch - size fuses per motor Manufacturer's recommendations. Rating as indicated.
	Magnetic starter - nema size indicated.
	Transformer - see single line for requirements.
	Ground rod.

Power distribution single line symbols	
	Circuit breaker.
	"pg6e" meter w/ current transformer.
	Transformer.
	Normally opened, auxiliary contact.
	Normally closed, auxiliary contact.

Wiring & conduit run symbols	
	Conduit - concealed in walls or ceiling.
	Conduit - exposed.
	Conduit - in or below floor: 3/4"min.
	Existing conduit, cables or device
	Conduit - home run to panel, terminal cabinet, etc. Runs marked with crosshatches indicate number of #12 awg wires. Crosshatch with "dot" indicates green ground wire. Size conduit according to specifications and applicable code. Crosshatches with "#10" indicates wire size other than #12's.
	Flex conduit with connection.
	Conduit - stub up.
	Conduit - stub down.
	Conduit emergency system.
	Capped conduit.
	Conduit continuation.

Sheet Index:	
E0.1	Electrical Cover Sheet
E1.1	Electrical Site Plan
E2.1	Electrical Floor Plan
E3.1	Single Line Diagram
E3.2	Data Riser Diagram
E4.1	Electrical Details

- General notes:
- The contractor shall be licensed by the state of california c-10 and shall comply with all applicable codes and regulations. Materials and equipment shall be u.L. Listed and labeled for the application.
 - The contractor shall obtain and pay for all permits, licenses and inspection fees required by this contract work.
 - Prior to submitting a bid the contractor shall visit the site, review the existing conditions and allow for labor, material and coordination that is necessary to provide a complete installation of each system. The contractor shall obtain and be familiar with all other trades. The contractor shall be responsible for all electrical work noted and called out on all contract documents. The contractor shall be responsible for coordination between other trades on project.
 - The contractor shall be responsible for the safety of persons and property and shall provide insurance coverage as necessary for liability, personal, property damage, to fully protect the owner, architect and engineer from any and all claims resulting from this work.
 - The contractor shall maintain record drawings at the project site indicating all modifications to electrical systems. The contractor shall at the conclusion of the project provide accurate "as-built" drawings. "as-built" drawings shall show actual changes to original electrical drawing, show locations of pullboxes, conduit runs and wiring changes.
 - All materials provided to the project shall be new. The contractor shall be responsible to provide and install all incidental materials required for a complete installation.
 - The contractor shall provide to the architect a construction schedule of electrical work. The construction schedule shall identify all significant milestones with completion dates.
 - The contractor shall provide all required "cutting, patching, excavation, backfill and repairs" necessary to restore damaged surfaces to equal or better than original conditions existing at start of work. The contractor shall contact "underground services alert" for location of existing utilities prior to commencement of underground work.
 - The contractor shall be responsible for painting all exposed conduits and electrical equipment. Refer to architects painting section for requirements.
 - All electrical equipment installed outdoors shall be weatherproof. Exterior conduits run into buildings shall be installed with flashing, caulked and sealed. Conduits for exterior electrical devices shall be run inside building unless otherwise noted on drawings. All exterior conduits shall be "galvanized rigid steel" unless otherwise noted on drawings.
 - All conduits unless otherwise noted on drawings shall have as a minimum: two (2) #12's with one (1) #12 ground. "tick" marks shown on circutry are for "rough" estimating only. The contractor shall be responsible for all wires and wire sizes required by latest code.
 - Coordinate all conduit runs, electrical equipment and panels with all other work to avoid conflicts.
 - See architectural documents for exact placement of lighting fixtures and devices. The electrical contractor shall be responsible for verification of ceiling types from architectural documents and provide and install all required fixture mounting hardware. Provide and install u.L. Listed fire stop enclosures for all recessed fixtures in fire rated ceilings.
 - From all new panels; the contractor shall stub up into accessible ceiling space a minimum of four (4) 3/4" conduits for future use.
 - Electrical raceways between structures need to be sufficiently flexible to withstand relative motion of support points where expansion joints occur. The contractor shall coordinate with structural / architectural drawings and provide flexible conduits at the expansion joints. Flexible conduit shall be maximum of 6' with less 45° bends total.
 - The contractor shall provide in every conduit a draw string for use in future construction.
 - Provide conduit between thermostats, air conditioning control panels motor starters, solenoid valves and air conditioning units. See mechanical drawings for control wiring sizes or size conduits per national electrical code as required, minimum conduit size: 3/4".
 - Power feeders may not be shown on the drawings, refer to the single line diagram for conduit and feeder information. All drawings are diagrammatic indicating location or position of equipment. Field verify conditions prior to installation of any work.
 - Manufacturer's recommendations for conductor sizing, circuit breaker or fuse protection of electrically operated equipment may differ from those indicated on drawings. Contractor shall confirm ratings prior to ordering equipment. Provide electrical protection to equipment in accordance to manufacturer's specifications and per national electrical code requirements.
 - Contractor shall review equipment requirements of other trades and provide power circuits and connections to electrically operated equipment.
 - Provide seismic bracing for all pendant light fixtures, freestanding electrical distribution equipment, motor control centers etc; and conduit racks per seismic criteria 2007 ubc requirements including engineered load calculations complete with sway bracing criteria.
 - Effectively bond electrical cabinets, enclosures and conduit raceways to code approved ground as part of the continuous grounding system.
 - Measure the 3-phase and phase to neutral service voltage for 208/120v panels prior to energizing any panels or equipment. Avoid energizing 208/120v panels phase to neutral voltage above 130 volts. Transformer tap setting may require changing.
 - Measure the 1-phase and phase to neutral service voltage for 240/120v panels prior to energizing any panels or equipment. Avoid energizing 240/120v panels phase to neutral voltage above 130 volts.
 - Do not substitute specified material or equipment without first obtaining approval from the owner or his representative.
 - Identify all above ceiling junction boxes covers with panel and circuits in legible print using black indelible ink.
 - Label all wall and/or wiremold mounted outlet devices with panel circuit identification with bold type-printed labeling. Black lettering on white background preferred.
 - Derate conductors in raceways in accordance with nec code requirements. Panel feeders to wiremolds can enter at various locations to limit conductor circuits per wiremold capacities.

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Architectural
Amp switch
Amp trip
Automatic transfer switch
Breaker
Building
Conduit
Cable television
Circuit breaker
Candelas
Circuit
Center line
Ceiling
Conduit only
Center
Demolish
Detail
Dimension
Distribution
Drawing
Existing
Emergency
Equipment
Fire alarm
Fire alarm control panel
Future
Finish
Floor
Ground
Height
Horsepower
Intercom
Junction box
Kilovolt
Kilovolt amperes
Kilowatt
Lighting
Thousand circular mls
Main distribution frame
Mechanical
Manhole
Mounted
Mounting
New
Normally closed
Not in contract
Not in electrical contract
Number/ normally open
Not to scale
On center
Pole circuit breaker
Public address
Pull box
Power factor
Phase
Panel
Existing to be relocated
Required
Requirement(s)
Room
Rigid steel conduit
Sheet
Switch
Switchboard
Terminal cabinet
Telephone
Typical
Unless otherwise noted
Volt
Watt
Weatherproof
Transformer

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ARCHITECTURE

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C-24138
REG. 03-31-21
STATE OF CALIFORNIA

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E16890
Exp. 06/30/2024
STATE OF CALIFORNIA

**American Consulting Engineers
Electrical, Inc.**
1590 The Alameda Suite 200 San Jose, CA 95126 408/236-2312 Fax: 408/236-2316
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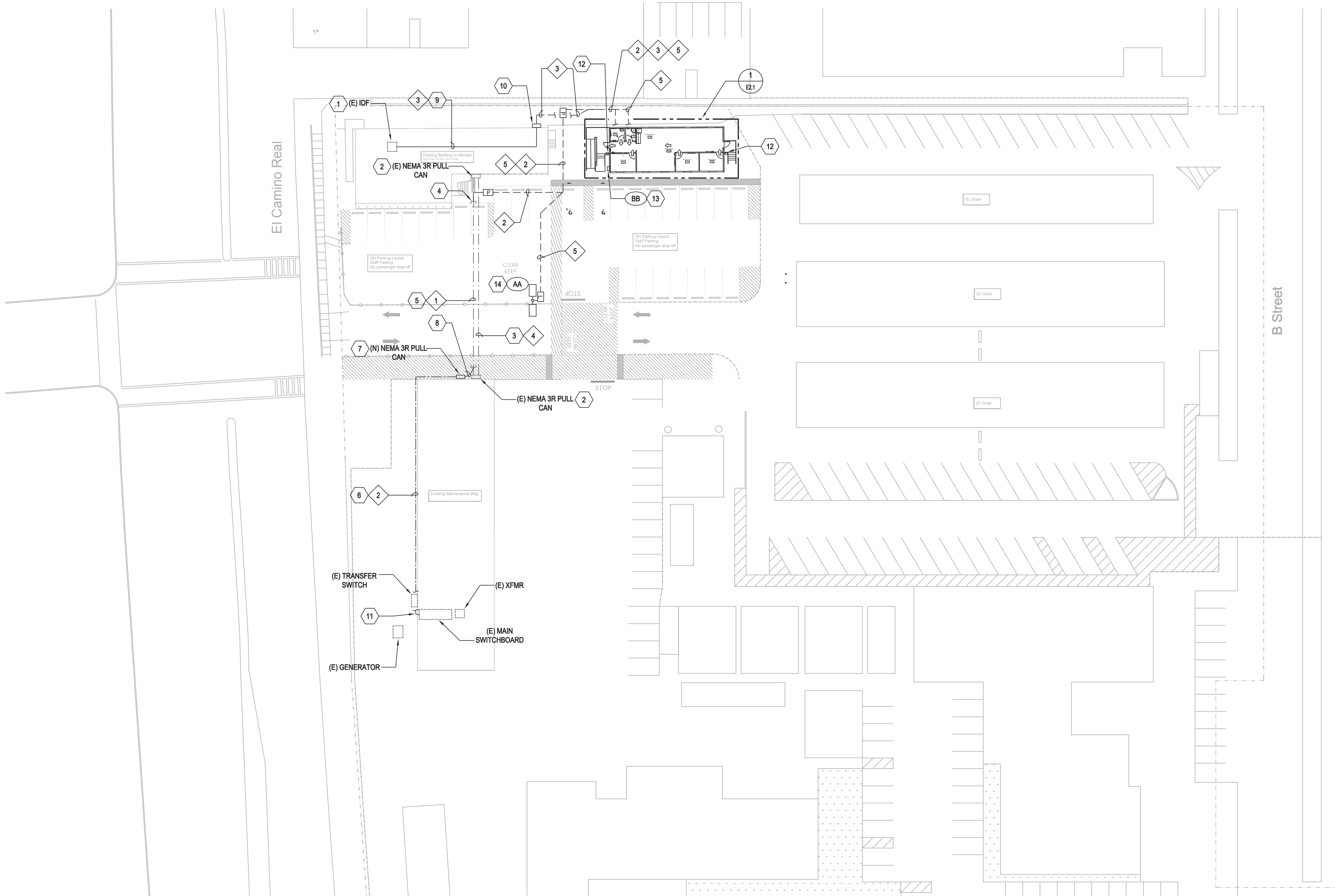
**South San Francisco
Unified School District**
398 B St.
South San Francisco, CA 94080

Facilities & Bond Department
398 B St.
South San Francisco, CA 94080

District Annex Building
SSFUSD

Key Plan

ELECTRICAL
COVER SHEET
Building: **E0.1**
BA 25-004



1 Electrical Site Plan
E1.1 SCALE: 1" = 30'-0"

General Notes:

- 1. See single line diagram for additional information and requirements.
- 2. Contractor shall coordinate underground requirements with all other trades to avoid conflict.
- 3. Contractor shall be responsible for any saw cutting and removal of existing surfaces to facilitate underground systems. The contractor shall patch and repair all damaged and cut surfaces to match adjacent.
- 4. Contractor to site survey existing conditions and locations of existing underground systems, where new trenchwork occurs prior to bidding. Contractor shall take proper precautions to ensure existing underground systems/conduits/pipes are not damaged during installation. Contractor is responsible for any repairs required in the event the existing underground systems are damaged as a result of the new electrical trenchwork.
- 5. Contractor to verify existing raceway routing at the beginning of the project and notify of deficiencies.
- 6. Egress pathway from the new modular building to safety disposal area achieves minimum light level by wall mounted light fixture on exterior wall of the new modular building and a double-head pole light.

Sheet Notes:

- 1 Existing IDF to remain. Provide new data conduits and cables to feed new modular building. See data riser diagram for additional requirements.
- 2 Existing nema-3r pull can on the existing building exterior wall to remain. Fill existing empty opening as required.
- 3 Existing underground conduit with fiber cables to remain.
- 4 Pull existing conduit routed to existing pull can on the wall to this approximate location shown. Intercept and extend with new to new power in-grade pullbox as required.
- 5 Pull existing conductors routed in the existing conduit back to the source to remove to create space running new conductors.
- 6 Route conduit exposed on the building exterior wall as required. Contractor to provide all necessary support to run new conduit.
- 7 Provide new nema 3r pull can on the existing building exterior wall for conduit transition and extending existing conduit to new pull can.
- 8 Intercept and extend existing conduit on the wall to new pull can for power conduit and conductors transition and routing.
- 9 Provide and route new data cables in above accessible ceiling space on the j-hook to feed new modular building as required.
- 10 Provide new nema 3r pull can on the building exterior wall for conduit transition and route new conduits to above accessible ceiling space.
- 11 Stub new conduit through existing building wall into existing distribution section of the existing switchgear.
- 12 Exterior emergency light fixture provided by modular manufacturer. Modular manufacturer is responsible for providing building wall mounted exterior fixtures to achieve minimum exterior light level requirements for egress pathway. See modular lighting drawing for additional information.
- 13 Exterior wall mounted light fixture provided and installed by electrical contractor. Connect new light fixture to existing lighting circuitry provided by modular manufacturer.
- 14 Provide circuit homerun to new electrical panel and connect to spare circuit breaker as required.

Conduit Schedule:

- 1 (E) (1) 2" - power
- 2 (N) (1) 2" - power(new modular)
- 3 (N) (3) 2" - data(new modular)
- 4 (E) (1) 2" - signal
- 5 (N) (1) 1" - with (2) #10 + (1) #10 gnd. (pole lighting)

Pullbox Schedule:

- P - New B2436 power pullbox with traffic rated lid. Label lid 'POWER'.
- L - New B1017 lighting pullbox with traffic rated lid. Label lid 'LIGHTING'.

Fixture schedule

Type	Lamps	Ballast/ Driver	Mounting	Description	Weight
AA	1.e.d. 103w/head total: 206w	0-10V	Mounted on a 18' pole with 3' concrete base	<p>Pole mounted double heads luminaire. fixture housing shall be one piece die cast aluminum. fixture epa shall be a maximum of .24 ft². lensed led arrays are set to achieve type iii distribution and optical systems are field rotatable utilizing high performance class i led systems with a tempered glass lens. luminaires shall be equipped with an led driver that accepts 120v through 277v 60hz input. driver output shall be based on led wattage selected. finish shall be fade and abrasion resistant, electrostatically applied, thermally cured tgc polyester powdercoat finish in bronze color. fixture shall be ul listed for wet location.</p> <p>GARDCO - PUREFORM AREA #P26-A03-840-T4M-HIS-AR1-UNV-BL50L3-PCB-F1-BK OR APPROVED EQUAL</p> <p>120V</p> <p>Pole shall be straight square steel pole 4" x 18' x 11 gauge by kw (ssp18-4.0-11) pole shall be drilled for the number of heads indicated. pole shall have bronze finish.</p> <p>Poles shall be 18' high, 4" straight square steel mounted on 3' high concrete base. the pole shaft shall be a single piece 11 gauge carbon steel. the formed steel plate shall be longitudinally welded providing minimum yield strength of 46ksi. the anchor base shall be a-36 structural carbon steel with a minimum yield strength of 36ksi. the base plate shall telescope into the pole shaft and be circumferentially welded on the top and bottom. anchor bolts shall be provided with the pole. anchor bolts shall meet or exceed yield strength of 50,000psi. each anchor bolt shall be provided with all hardware necessary for pole installation. base cover shall be two piece and conceal the entire base plate and anchorage. pole shall be provided with a handle 12" above the base. handle shall be provided with a cover plate and attachment screws. pole shall also be provided with a pole top cap. finish shall be tgc polyester powder coat electrostatically applied and thermally cured and shall be black in color. poles shall be factory drilled for proper fixture installation. all poles shall be properly leveled and vertical. lighting fixture heads shall be mounted to the pole per the manufacturers recommendations.</p>	24 Lbs
BB	1.e.d. 22w	0-10V	Wall surface	<p>Wall mounted led fixture offers distinction through its styling, powerful optical design, array of distribution, and impressive selection of control possibilities. designed to add an element of style to your application by pairing straight lines with rounded edges, the form of the 121 is timeless, yet contemporary, and will complement a wide assortment of architectural styles and designs, while delivering high light levels and functional distribution. 121 sconces are available in type 2, 3, and 4 distribution, and provide output of up to 12,400 lumens.</p> <p>GARDCO - 121-16L-400-NW-G4-TYPE 4-UNV-PCB-F1-BK OR APPROVED EQUAL</p> <p>120V</p>	15 Lbs

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JOB #EK25098.00

South San Francisco
Unified School District
398 B St.
South San Francisco, CA 94080

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398 B St.
South San Francisco, CA 94080

District Annex Building
SSFUSD

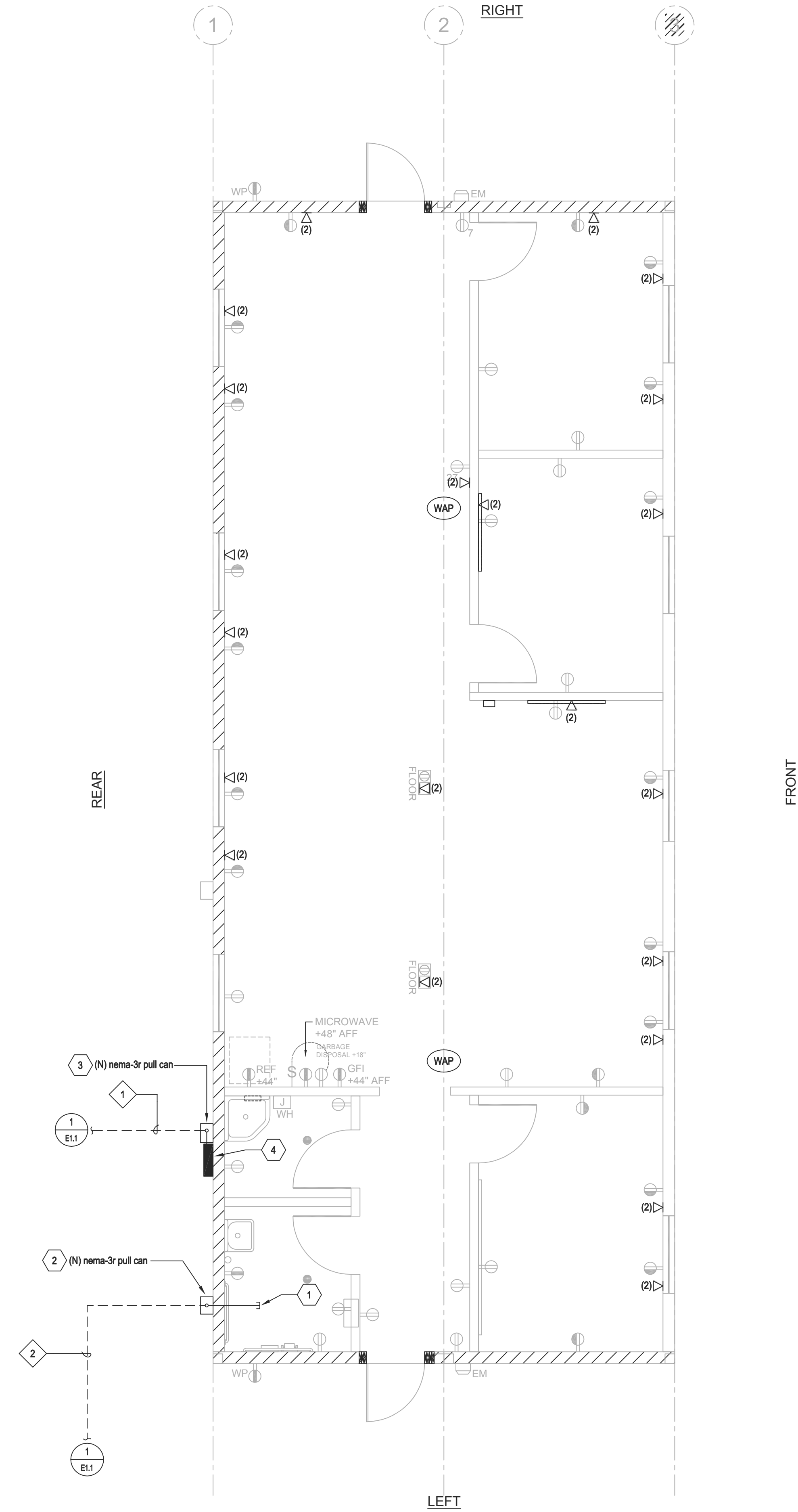
Key Plan

ELECTRICAL
SITE PLAN

Building:

E1.1

BA 25-004



1 Electrical Floor Plan

E2.1 SCALE: 1/4" = 1'-0"

General Notes:

1. See single line diagram for additional information and requirements.
2. See modular drawings for electrical devices location and connection information and requirements.
3. Interior and exterior light fixtures provided by modular manufacturer. See modular drawings for interior and exterior lighting information and requirements.
4. See modular drawings for electrical panel schedule.
5. All electrical work shall comply with the latest CEC requirements.
6. All electrical receptacles, data outlets and electrical panel provided by modular manufacturer and shown on this sheet for location reference only. See modular drawings for additional information and requirements.
7. Modular manufacturer is responsible for providing building wall mounted exterior fixtures to achieve minimum exterior light level requirements for egress pathway. See modular lighting sheet for additional information.

Sheet Notes:

- 1 Stub new low voltage conduits above accessible ceiling space as required.
- 2 Provide new nema-3r pull can on the building exterior wall for conduits transition.
- 3 Provide new nema-3r pull can on the building exterior wall for conduits transition and connect new electrical panel provided by modular manufacturer.
- 4 New electrical panel provided by modular manufacturer. Coordinate modular drawings for exact location and additional requirements.

Conduit Schedule:

- 1 (N) (1) 2"C - power(new modular)
- 2 (N) (3) 2"C - data(new modular)

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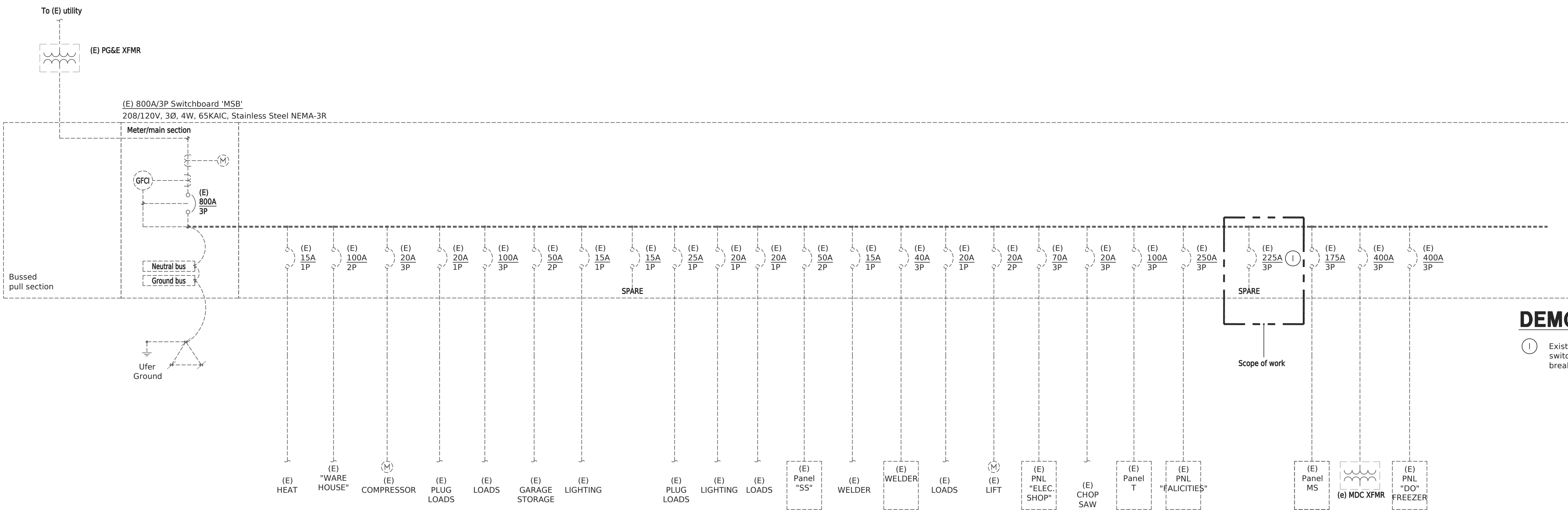
Key Plan

ELECTRICAL
FLOOR PLAN

Building:

E2.1

BA 25-004

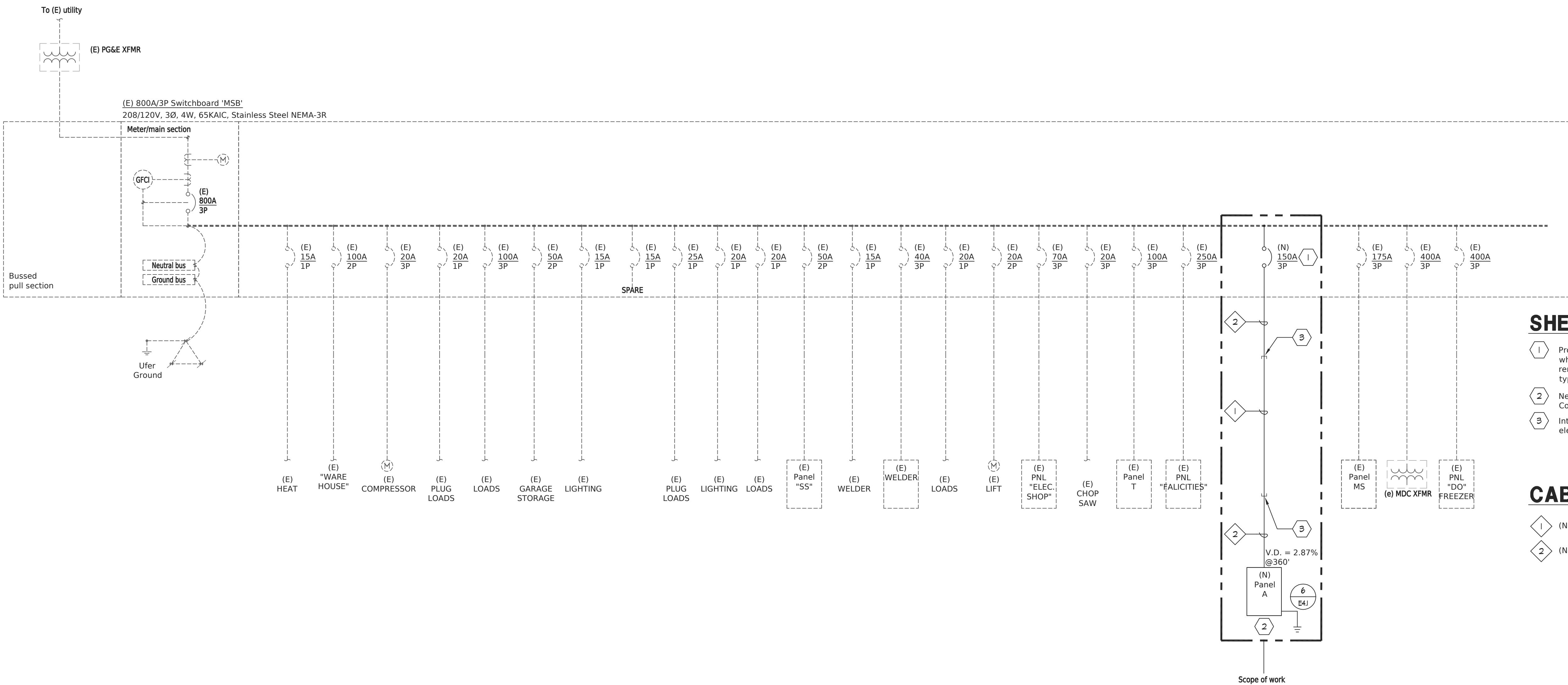


DEMOLITION NOTES:

- Existing 225A/3P spare circuit breaker in the existing switchboard to be removed for installing new circuit breaker to feed new modular building.

1 Demo Single Line Diagram

E3.1 No Scale



SHEET NOTES:

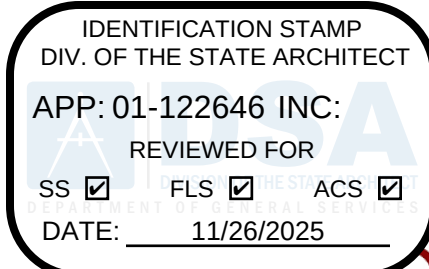
- Provide new 150A/3P circuit breaker in the same spot where existing 225A/3P spare circuit breaker been removed. New circuit breaker shall match existing type and aic rating as required.
- New electrical panel provided by modular manufacturer. Coordinate modular drawings for additional requirements.
- Intercept existing conduit with new conduit to feed new electrical panel in the new modular building.

CABLE SCHEDULE:

- (N) (4) #3/0 + (1) #6 gnd. in (E) 2" conduit.
- (N) (1) 2" c - with new (4) #3/0 + (1) #6 gnd.

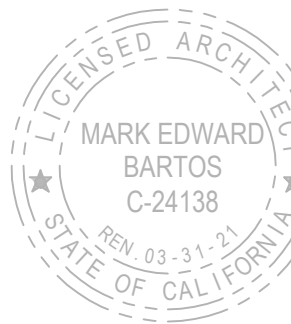
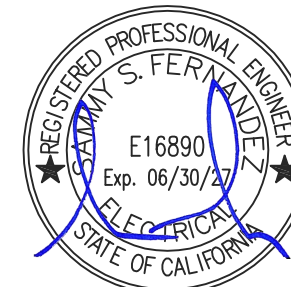
2 New Single Line Diagram

E3.1 No Scale



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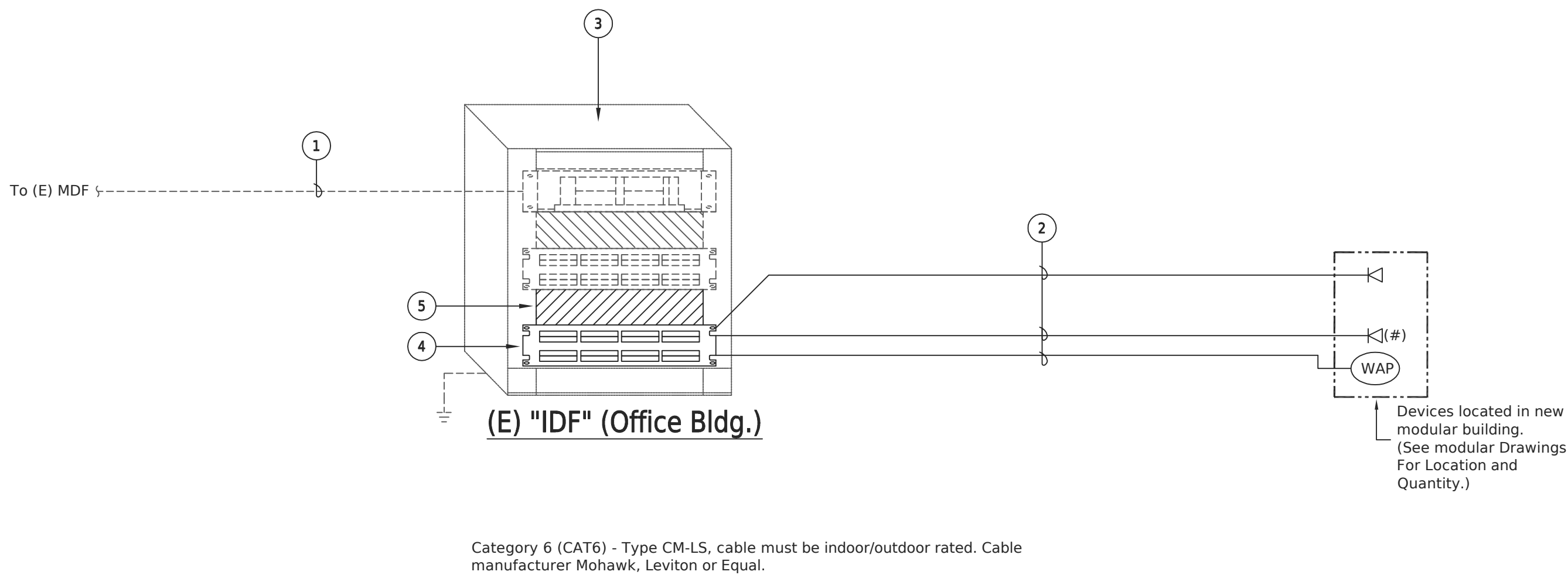
Key Plan

SINGLE LINE
DIAGRAM

Building:

E3.1

BA 25-004



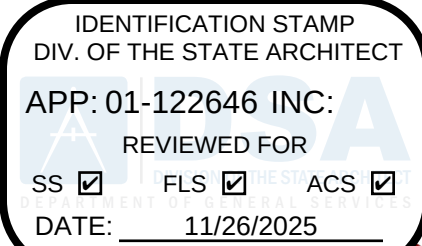
General Riser Notes:

1. See specifications for additional requirements.
2. The contractor shall be responsible for providing all necessary materials for connecting existing idf and new data devices in the new modular building. Coordinate data devices location and quantity with modular drawings.

Riser Notes:

- ① (E) fiber optic cable.
 - ② Data/jack/port requirements to intermediate distribution frame (IDF) or main distribution frame (mdf). See floor plan for quantity.
 - A. Install category 6 cable in conduit and/or j-hooks from each port, data location where shown on plans to IDF location, U.O.N. Make terminations at both data outlet and IDF location.
 3. Route cable directly from station to IDF location without splice or interruption.
 - A. Make terminations at IDF location on (n) patch port panel. Provide all additional hardware as required.
 - B. Leave 36 inches of excess cable at the IDF location, before making terminations, for use as a service loop. Secure excess cable in a neat workmanlike manner.
 4. All cat 6 cables are to be tested for compliance with cat 6, using a hand held network scanner. Hard copy and soft copy results are to be provided for all jacks tested. Network analyzer is to be a fluke dsp 4500 or owner approved equivalent. Soft copy results to be provide on a window 98 or later compatible disk.
 5. Any empty rj45 jack opening on the face plate will be covered with blank insert.
 6. See specifications for additional requirements.
- ③ (E) idf cabinet. Contractor to locate and verify existing condition.
 - ④ Provide new modular data patch panel. New patch panel shall match existing type. Quantity as required to terminate all data outlets +10% spare. Patch panels shall be a 48 port panel. See specifications for additional requirements.
 - ⑤ Provide (N) Horizontal wire manager modules. See specifications for additional requirements.

1 Partial Data Riser Diagram
E3.2 Scale: Not to Scale



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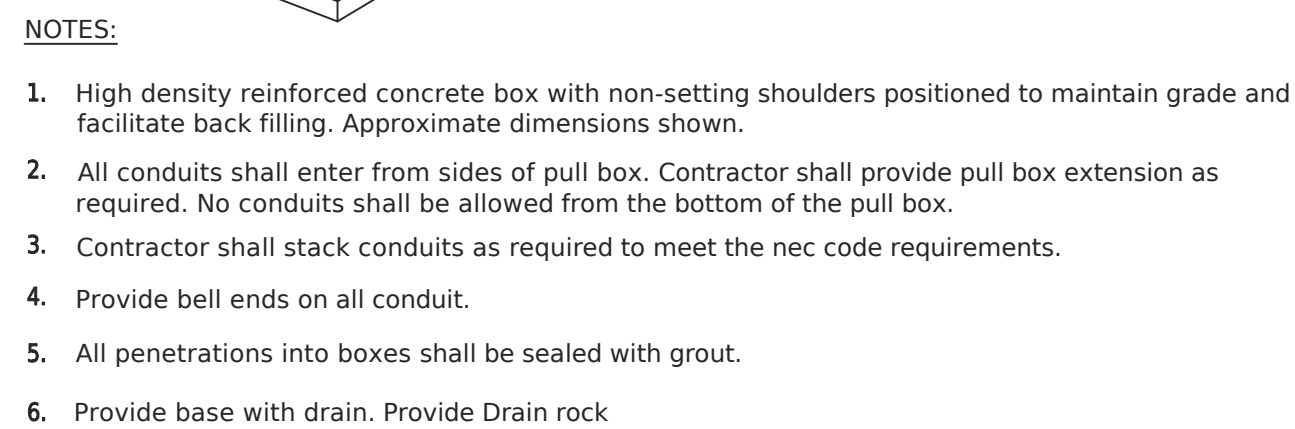
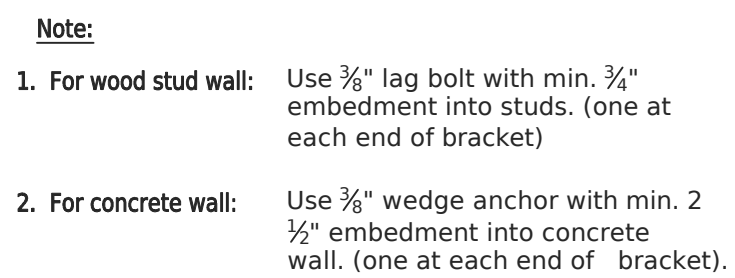
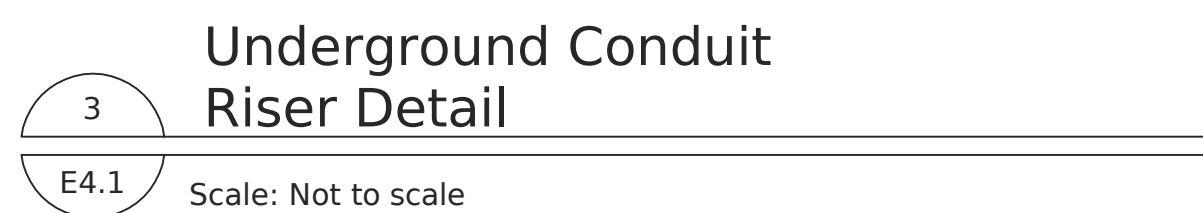
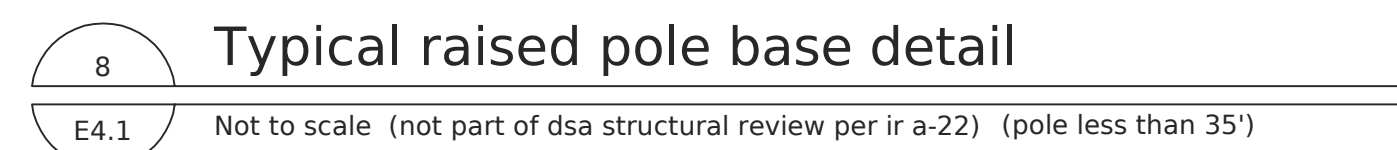
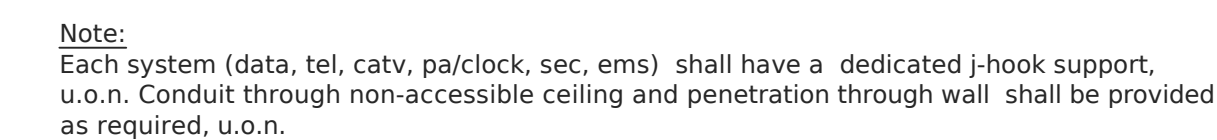
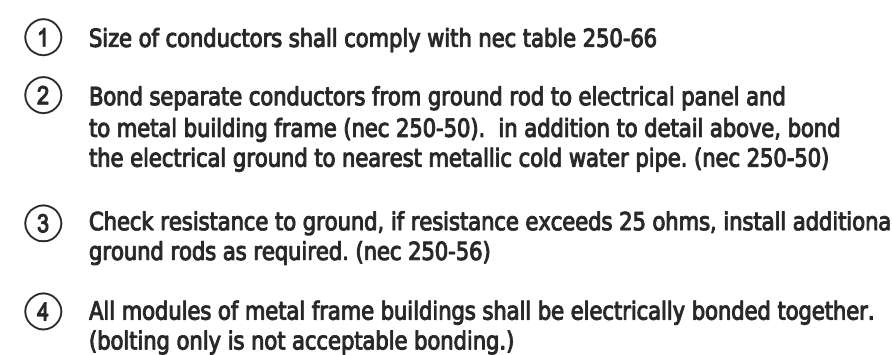
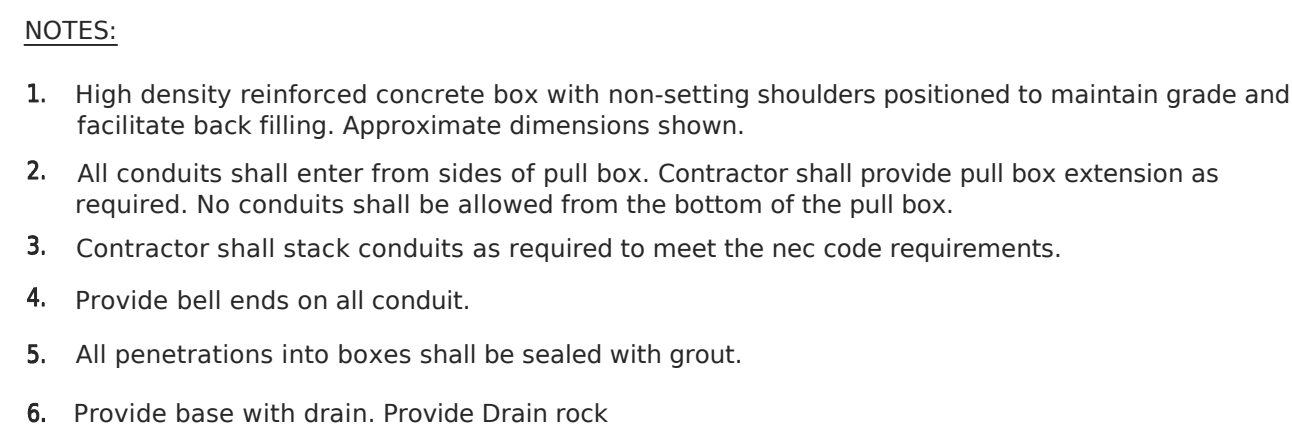

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**South San Francisco
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Facilities & Bond Department
398 B St.
South San Francisco, CA 94080

District Annex Building
SSFUSD

Key Plan



BUILDING SIZE: 24' X 60'

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

PROJECT NO. 11640

GENERAL NOTES		BUILDING DATA	
SEE PC 04-122202 SHEET A-0	NUMBER OF STORIES:		1 - STORY
	OCCUPANCY:		B
	TYPE OF CONSTRUCTION:		V-B
	FLOOR LIVE LOAD:		50+15 PSF PARTITION LOAD
	ROOF LIVE LOAD:		20 PSF
	FLOOR DEAD LOAD:		WOOD FLOOR - 11 PSF
	ROOF DEAD LOAD:		18 PSF (INCLUDING SPRINKLER LOAD AND 1 PSF SOLAR LOAD)
	SOLAR ALLOWANCE:		0.6 PSF OVER ENTIRE ROOF AREA
	RAMP LIVE LOAD:		100 PSF
	BUILDING AREA:		24x60' BLDG - 1440 / 1620 (SF)
	ALLOWABLE AREA: 9,000 S.F. (ALL w/o OVERHANGS)		
	FOUNDATION:		WOOD
	CEC CLIMATE ZONE:		ALL ZONES (1-16)
	ALLOWABLE SOIL PRESSURE		
	WOOD FOOTING (DL & DL+LL & DL+LL+SEISMIC)		1,000 psf
	CONCRETE FOOTING (DL & DL+LL & DL+LL+SEISMIC)		1,500 psf
	ROOF SNOW LOAD		
	GROUND SNOW LOAD, P_g FROM COUNTY		0
	ROOF SNOW LOAD:		FLAT P_f
	SNOW EXPOSURE FACTOR C_e		-
SNOW IMPORTANCE FACTOR I_s		1.0	
THERMAL FACTOR C_t		-	
FLOOD DESIGN (SEE GENERAL NOTE #16 + 17)			
FLOOD HAZARD AREA		NO	
WIND DESIGN			
BASIC WIND SPEED (3 SECOND GUST) V_{ult}		92	
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 CATAGORY (SDC)		D	
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		2.196	
SHORT PERIOD SITE COEFFICIENT F_a		1.2	
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD S_{DS}		1.757	
MAPPED SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD S_1		.914	
LONG PERIOD SITE COEFFICIENT, F_v		N/A	
DESIGN SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD S_{D1}		N/A	
HORIZONTAL OR VERTICAL IRREGULARITY TYPES		N/A	
REDUNDANCY FACTOR R_{ho}		1.0	
FUNDAMENTAL PERIOD T		< 0.5s	
APPLICABLE STANDARDS			
SEE PC 04-122202 SHEET A-0			
APPLICABLE CODES			
SEE PC 04-122202 SHEET A-0			

SEISMIC DESIGN FOR SITE SPECIFIC PROJECTS	
SELECT ONE	☒ DESIGN BASED ON SITE CLASS $S_{default}$
	NO GEOTECHNICAL INVESTIGATION REQUIRED
	$S_s = 2.196$ $F_a = 1.2$
	☐ DESIGN BASED ON SITE CLASS DETERMINED PER CHAPTER 20 OF ASCE 7-16
	GEOTECHNICAL INVESTIGATION PROVIDED
	SITE CLASS: ☐ C ☐ D ☐ E
	$S_s =$ $F_a =$ PER ASCE 7-16 SUPPL 3, TABLE 11.4-1
	☐ DESIGN BASED ON SITE SPECIFIC GROUND MOTION HAZARD ANALYSIS PER CHAPTER 21 OF ASCE 7-16
	SHORT-PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, S_{DS} , SHALL BE AS SPECIFIED IN GEOTECHNICAL INVESTIGATION
	CGS APPROVAL REQUIRED
NOT ELIGIBLE FOR OTC REVIEW	
SITE CLASS: ☐ C ☐ D ☐ E	
$S_{DS} = \frac{2}{3} F_a S_s = 2.196$	
☒ SITE CLASS C or D: $0.7 \times S_{DS}^* = 0.7 \times 2.196 = 1.537 \leq 1.56$	
$C_s = 0.45$ USED IN DESIGN	
SEISMIC DESIGN CATEGORY: ☐ D ☒ E	
* SITE SPECIFIC S_{DS} VALUE BEFORE APPLYING REDUCTION ALLOWED BY ASCE 7 SECTION 12.8.1.3	

NOTE: WHEN THE INSTALLATION OF THIS PC BUILDING ON A SITE RESULTS IN A FIRE SEPARATION DISTANCE OF LESS THAN 10'-0" THE SITE-SPECIFIC PROJECT APPLICATION SHALL INDICATE THE LOCATION(S) OF ANY REQUIRED FIRE RESISTANCE RATED ASSEMBLIES. THE SITE SPECIFIC PROJECT APPLICATION SHALL ALSO INDICATE THE ALLOWABLE OPENING AREAS (IN ACCORDANCE WITH TABLE 705.8). THE SITE-SPECIFIC PROJECT APPLICATION SHALL INDICATE THE LOCATION OF ANY REQUIRED PROTECTED OPENINGS AND SHALL INCLUDE THE DETAILING AND DESIGN CRITERIA FOR THE PROTECTED OPENING SYSTEMS.	
NOTE: THIS PC WILL NOT BE PLACED ON ANY CAMPUS IN ANY OF THE FOLLOWING LOCATIONS: <ul style="list-style-type: none">WITHIN THE 65 CNEL NOISE CONTOUR OF AN AIRPORTWITHIN THE 65 CNEL OR Ldn NOISE CONTOUR OF A FREEWAY, EXPRESSWAY, RAILROAD, OR INDUSTRIAL SOURCE GUIDEWAYWHERE EXPOSED TO NOISE LEVEL OF 65dB Leq-1-HOUR DURING ANY HOUR OF OPERATION	
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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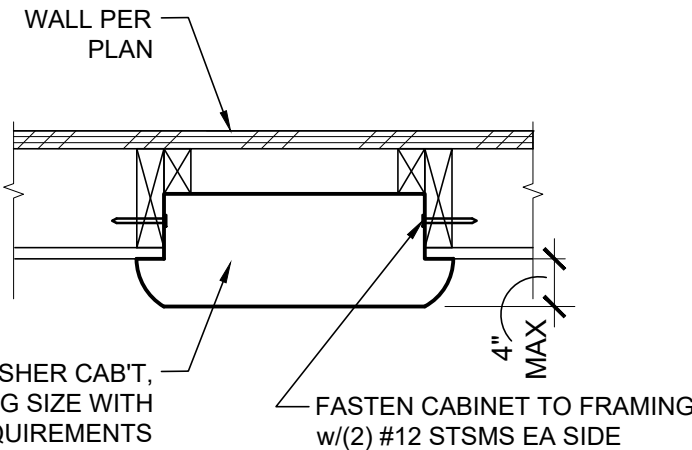
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<div><div><p>Silver Creek</p><p>2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211</p></div></div>	
MODULAR BUILDING DESIGN PROFESSIONAL	
<div><div></div></div>	
SILVER CREEK MODULAR LLC	
PROJECT NO:	
DRAWN BY:	
SCALE: AS NOTED	
DATE: 09-22-2025	
SHEET NUMBER	
A-0N	

#	RESTROOM ACCESSORIES			
TAG	ACCESSORY	MAKE	MODEL #	DESCRIPTION
A	TOILET PAPER DISPENSER	BOBRICK	B-6677	RECESSED TOILET TISSUE DISPENSER
B	TOILET SEAT COVER DISPENSER	BOBRICK	B-221	SURFACE MOUNTED - BY OTHERS
C	MIRROR	BOBRICK	B-1556	18"x30" FRAMELESS MIRROR
D	SOAP DISPENSER	BOBRICK	B-2111	SURFACE MOUNTED - BY OTHERS
E	GRAB BAR	BOBRICK	B-6806-36	36" LENGTH, SEE 9/P-1.01
F	GRAB BAR	BOBRICK	B-6806-48	48" LENGTH, SEE 9/P-1.01
G	PAPER TOWEL DISPENSER	BOBRICK	B-369	PAPER TOWEL DISPENSER AND WASTE RECEPTACLE - BY OTHERS, PROVIDE BACKING ONLY
H	SANITARY NAPKIN DISPOSAL	BOBRICK	B-270	SURFACE MOUNTED SANITARY NAPKIN DISPOSAL RECEPTACLE - BY OTHERS

ACCESSORY NOTE:
TOILET ACCESSORIES SEE SHEET P-1.01 FOR ACCESSIBLE ELEVATION & DIMENSIONS.

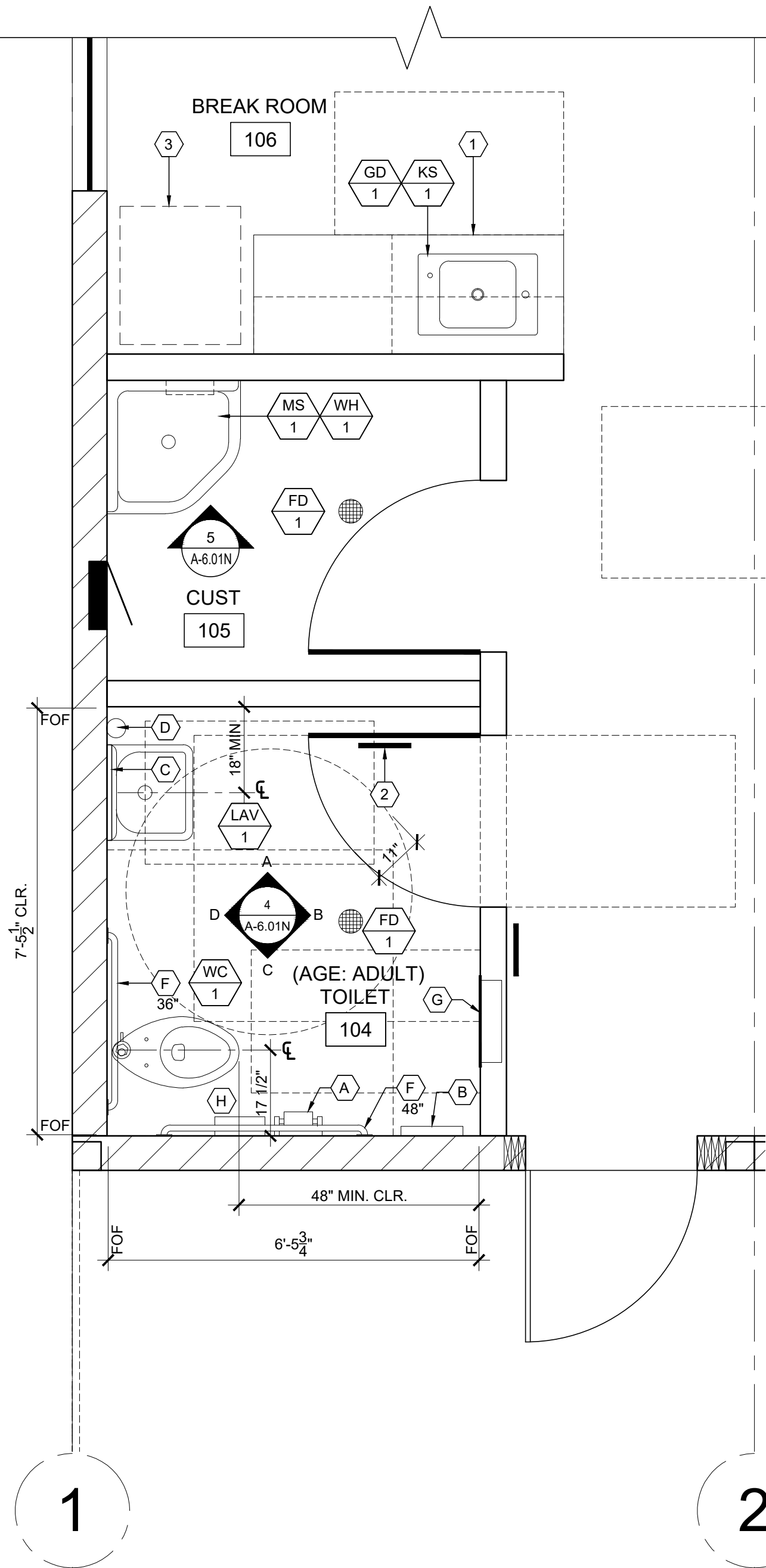
KEYNOTES

1. PLASTIC LAMINATE CASEWORK, WITH PLASTIC LAMINATE COUNTERTOP & STAINLESS STEEL SINK. PROVIDE INSTANT WATER HEATER & TEMPERING VALVE.
2. RESTROOM DOOR SIGN "RDS", SEE SIGNAGE TEMPLATES ON PC SHEET A-0.1
3. PROVIDE ICE MAKER BOX AND PROVISIONS FOR REFRIGERATOR, REFRIGERATOR BY OTHERS



RECESSED FIRE EXTINGUISHER CAB'T

A



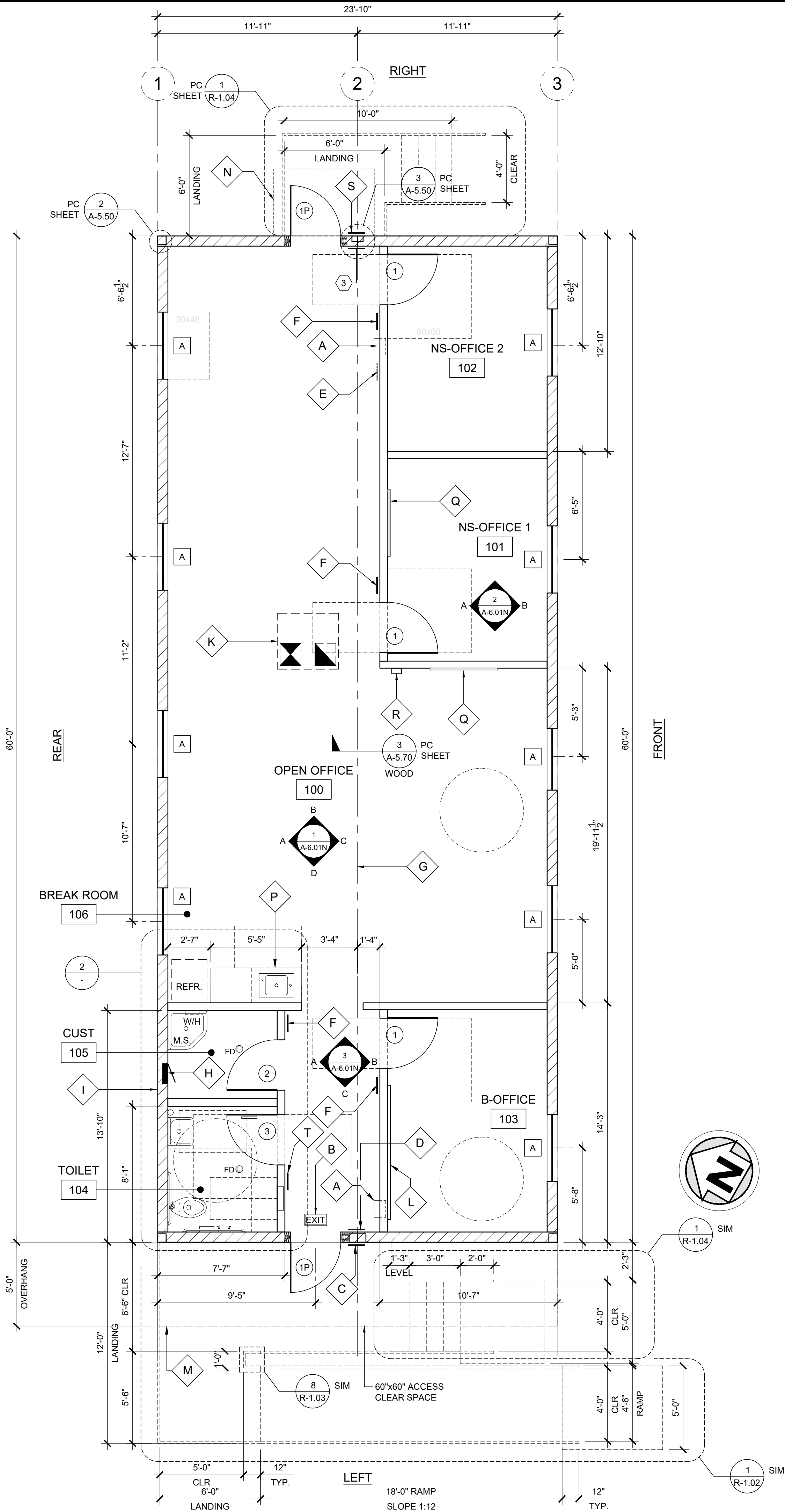
- NOTES:
1. ALL HOT WATER FIXTURES TO HAVE TEMPERING VALVES.
 2. SEE SHEET P-1.01 FOR FIXTURE HEIGHT INFORMATION & SCHEDULES.
 3. SLOPE RESTROOM FLOORS TO FLOOR DRAINS, SLOPE 2% MAX IN ANY DIRECTION.

ENLARGED PLAN

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

2

FLOOR PLAN



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

NOTES

SEE PC DRAWING A-1.01 FOR NOTES
AND OTHER INFORMATION NOT
SHOWN

KEYNOTES

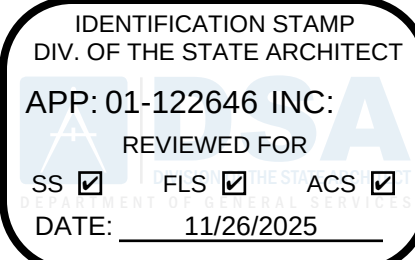
1. 2" WATER P.O.C., SEE CIVIL DRAWINGS.
2. 4" SEWER P.O.C., SEE CIVIL DRAWINGS.
3. NOT AN ACCESSIBLE EXIT, SIGNAGE PROVIDED BY OTHERS.

KEY NOTES

- A FIRE EXTINGUISHER, 5 LBS DRY CHEMICAL w/2A-10BC U.L. RATING ON WALL - SEMI-RECESSED @ 48" A.F.F. TO HANDLE - 4" MAX PROTRUSION (EXTINGUISHERS TO BE LOCATED 50'-0" OC MAX) SEE DETAIL "A"
- B ILLUMINATED EXIT SIGN, SEE PC SHEET E-1.01
- C ROOM ID SIGN WITH ISA (NIC), SEE DETAIL "A" ON PC SHEET A-0.1
- D TACTILE EXIT SIGN, SEE "E" ON PC SHEET A-0.1
- E OCCUPANCY LOAD CAPACITY SIGN (NIC), SEE NOTE 4/A-1.01
- F ROOM IDENTIFICATION SIGN, SEE ROOM IDENTIFICATION ROOM SIGNAGE ON PC SHEET A-0.1
- G MODULE LINE, TYP.
- H ELECTRICAL PANEL, SEE ELECTRICAL DRAWINGS.
- I FIRE ALARM BACK BOX.
- J DOWNSPOUT (WHERE OCCURS) SEE ROOF PLAN, TYP.
- K ROOF MOUNTED HVAC, SEE MECHANICAL.
- L 8'x4' MARKERBOARD, SEE 14/A-5.80
- M 5'-0" FRONT OVERHANG ABOVE, SEE ROOF PLAN.
- N 6'x4' CANOPY ABOVE, SEE ROOF PLAN & SEE 20/S-2.60
- O FLOOR DRAIN, SEE PLUMBING FIXTURE SCHEDULE, TYP.
- P UPPER AND LOWER CASEWORK W/ STAINLESS STEEL SINK, COUNTER TOP, 4" BACK SPLASH.
- Q BACKING FOR TV MONITOR, SEE 16/A-5.80
- R PELICAN THERMOSTAT, VERIFY LOCATION (INSTALL AT 48" MAX. AFF. FROM TOP OF THERMOSTAT)
- S ROOM ID SIGN, DETAIL "A" ON PC SHEET A-0.1 (OMIT BRAILLE)
- T RESTROOM WALL SIGN, DETAIL "A" ON PC SHEET A-0.1

SYMBOLS LEGEND

- 30"x48" CLEAR SPACE
- 60" CIRCLE CLEAR SPACE
- 60"x60" CLEAR SPACE



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PROJECT NAME:

SOUTH SAN FRANCISCO
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

FLOOR PLAN

REVISIONS



Silver Creek

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

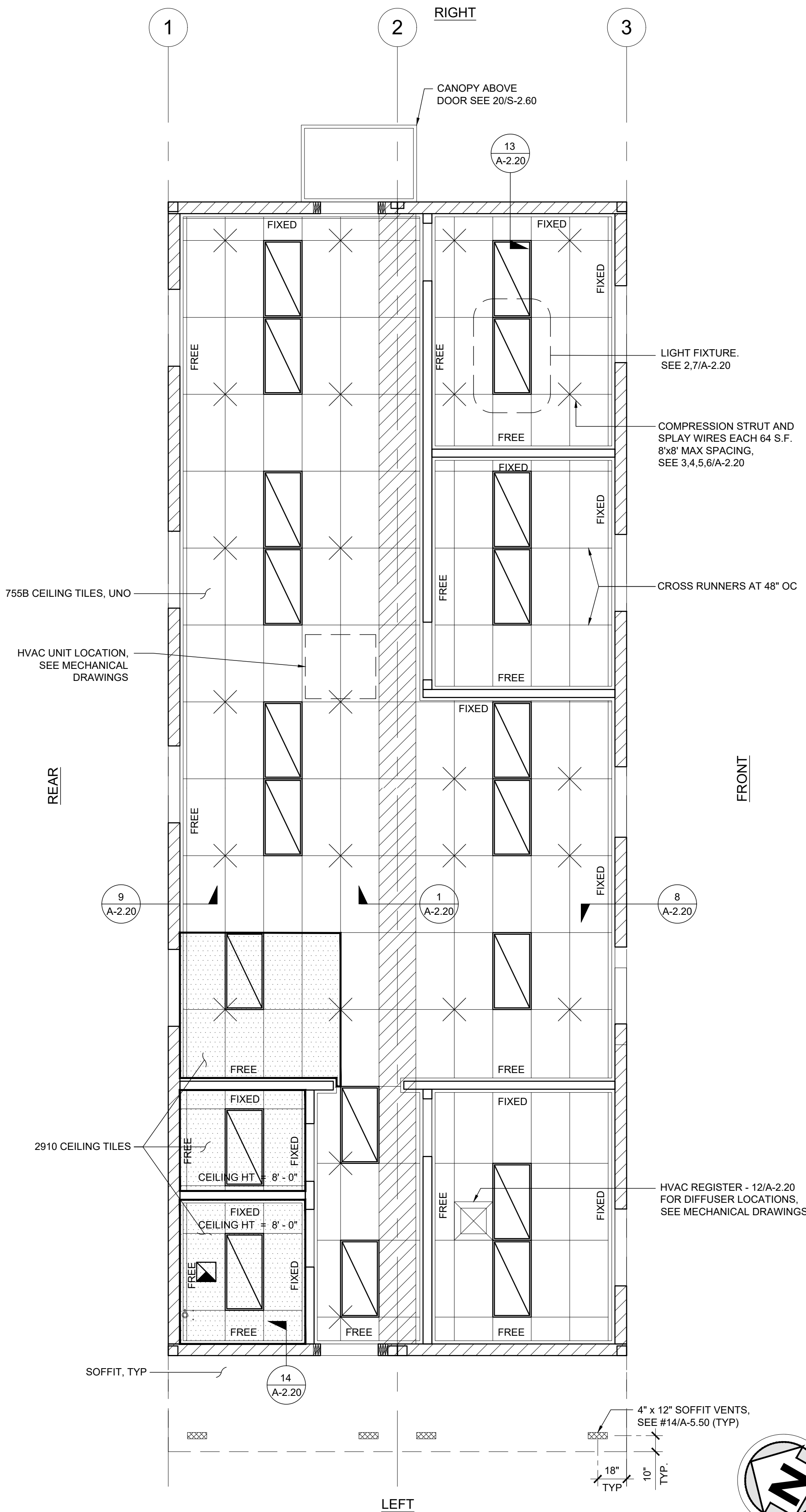
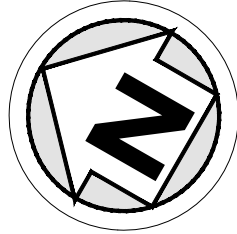
MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK MODULAR LLC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 10-03-2025
SHEET NUMBER

A-1.01N



LEGEND

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

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)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SOUTH SAN FRANCISCO
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

REFLECTED
CEILING PLAN

REVISIONS

1	
2	
3	
4	
5	



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK MODULAR LLC

PROJECT NO:

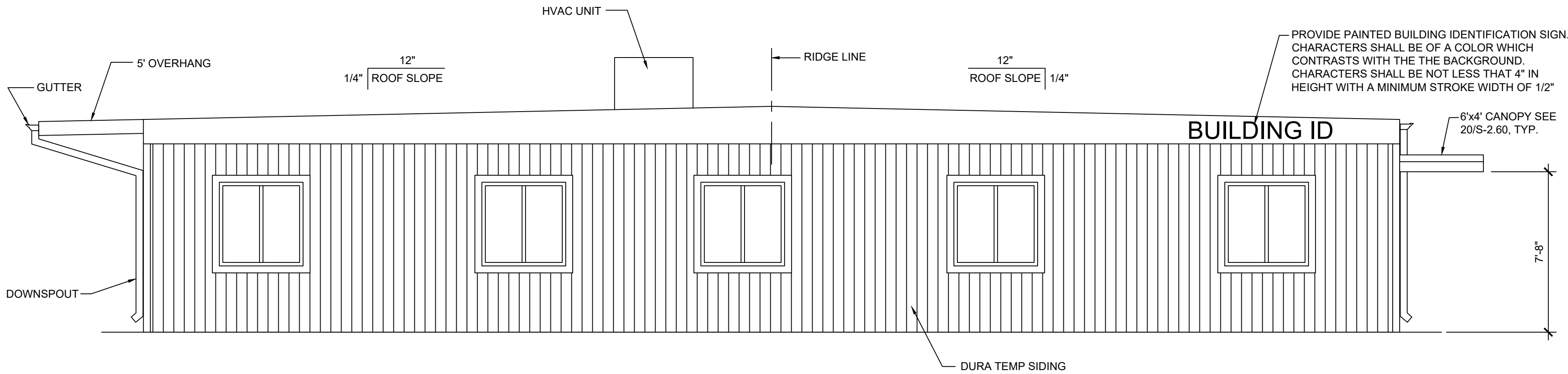
DRAWN BY:

SCALE: AS NOTED

DATE: 09-05-2025

SHEET NUMBER

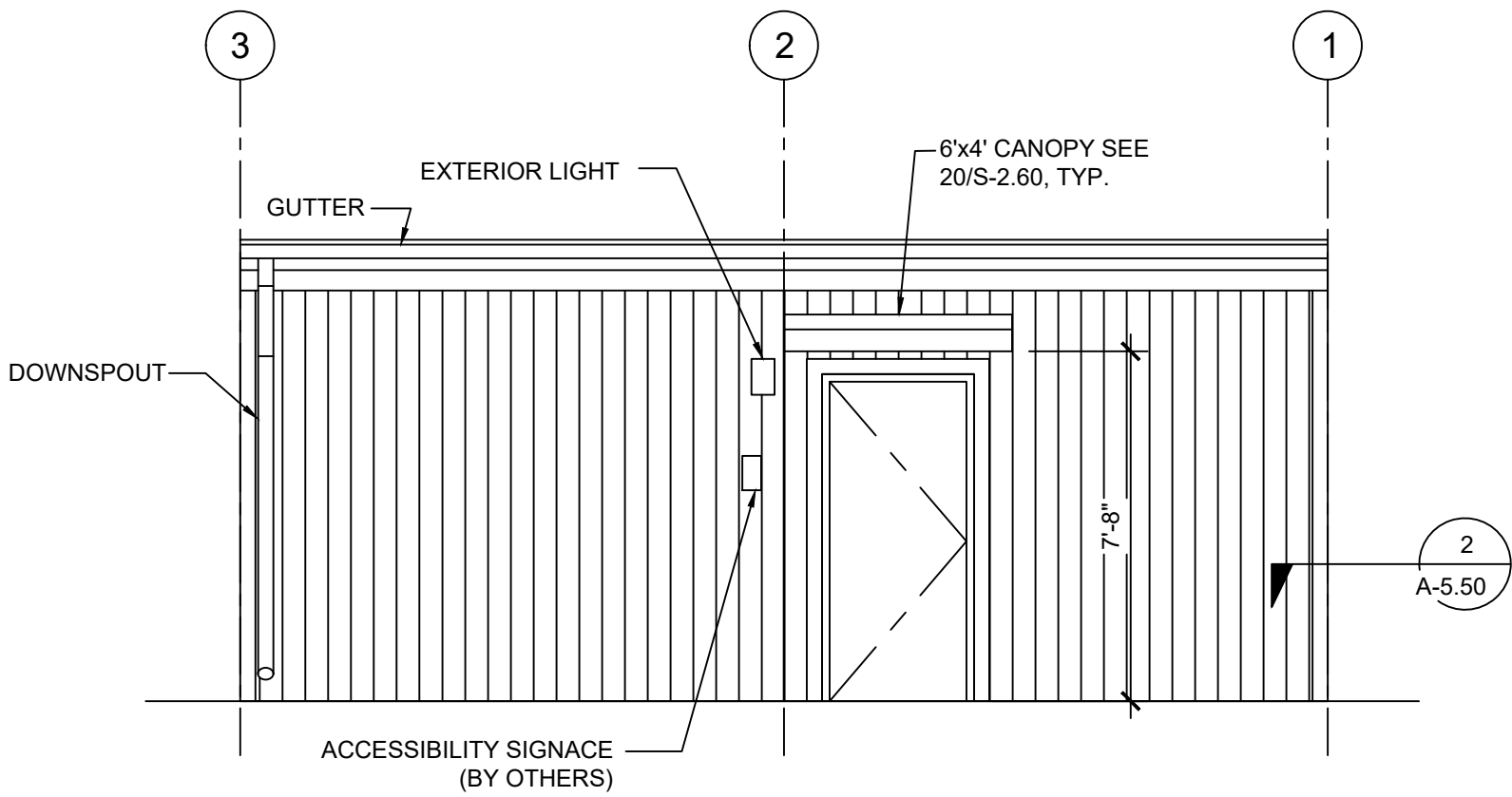
A-2.01N



EXTERIOR ELEVATIONS - FRONT

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

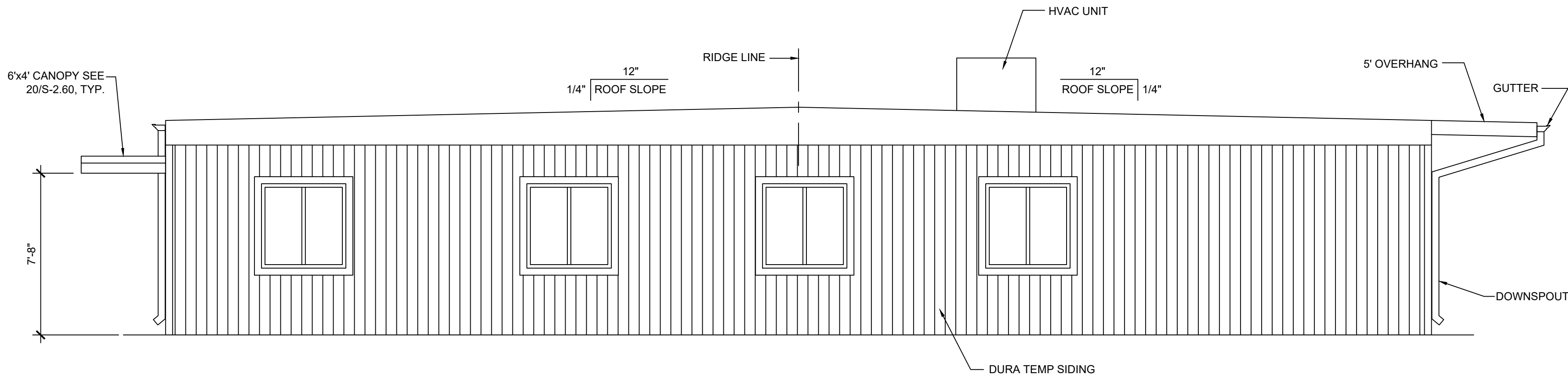
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EXTERIOR ELEVATIONS - LEFT

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

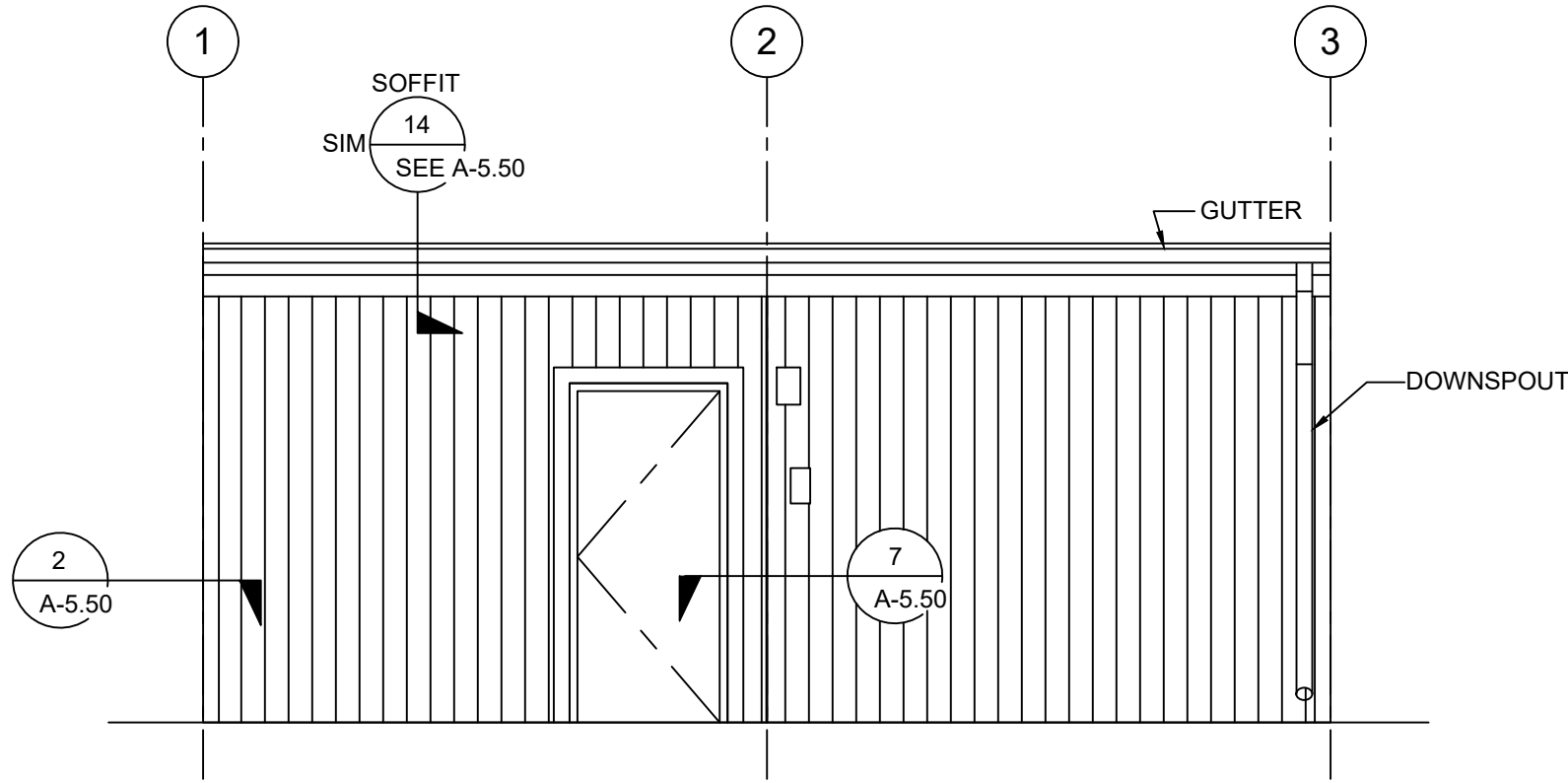
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EXTERIOR ELEVATIONS - REAR

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

3



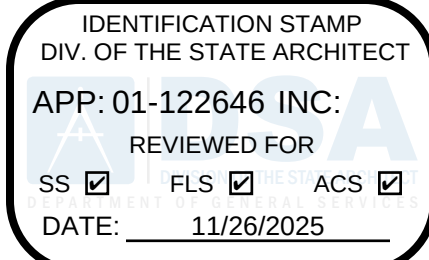
EXTERIOR ELEVATIONS - RIGHT

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

4

NOTES (EXTERIOR ELEVATION)

1. RAMP (WHERE OCCURS), NOT SHOWN FOR CLARITY.
2. 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)
3. EXTERIOR PROJECTIONS SHALL COMPLY W/ SECTION 705 AND 1406, 2022 CBC



PROJECT SPECIFIC STATE AGENCY APPROVAL

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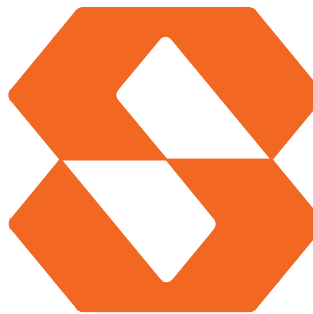
SOUTH SAN FRANCISCO
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

EXTERIOR ELEVATIONS

REVISIONS

1	
2	
3	
4	
5	



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK MODULAR LLC

PROJECT NO:

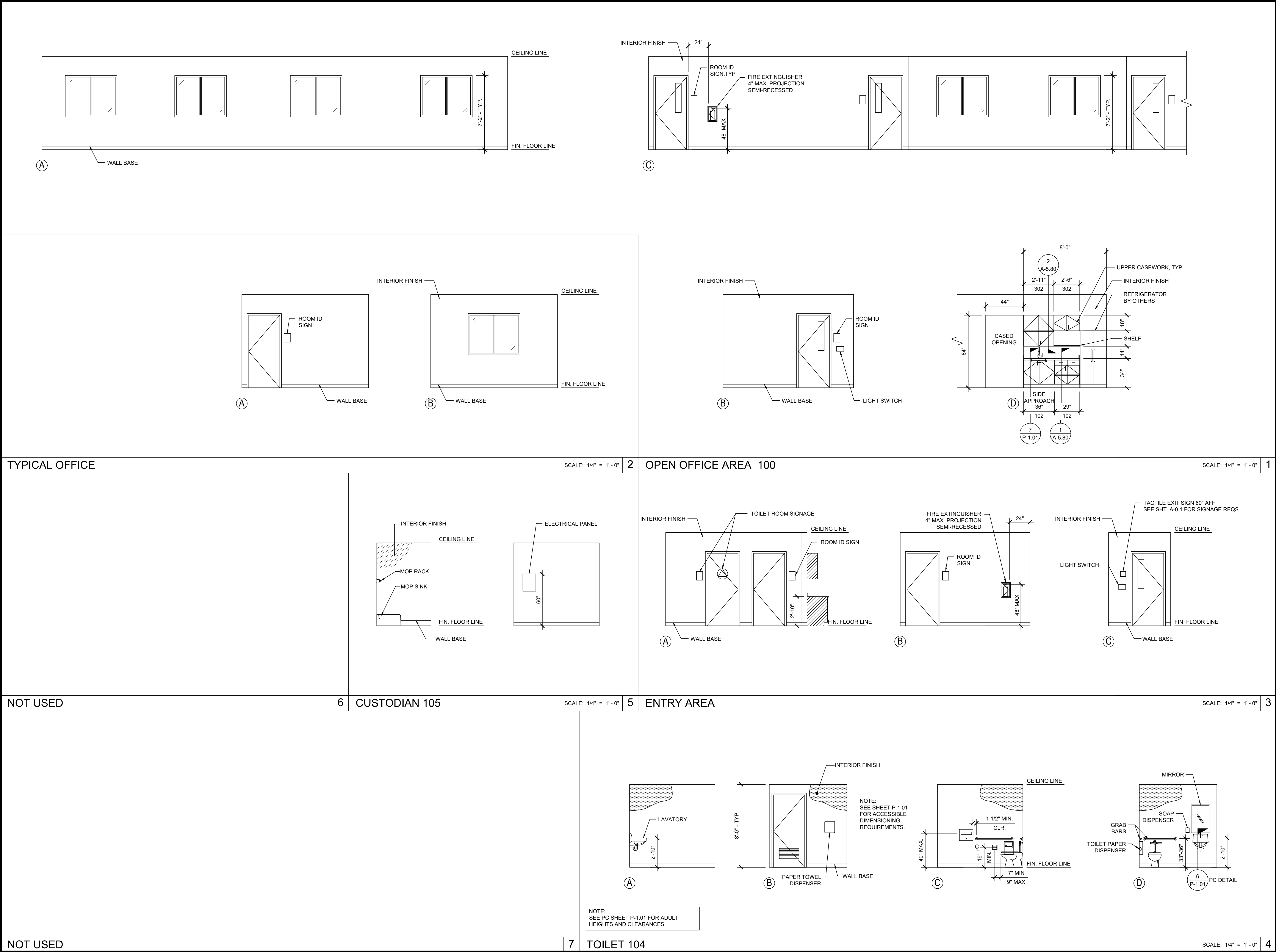
DRAWN BY:

SCALE: AS NOTED

DATE: 09-22-2025

SHEET NUMBER

A-4.01N



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SOUTH SAN FRANCISCO
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

INTERIOR ELEVATIONS

REVISIONS

1

2

3

4

5

Silver Creek

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

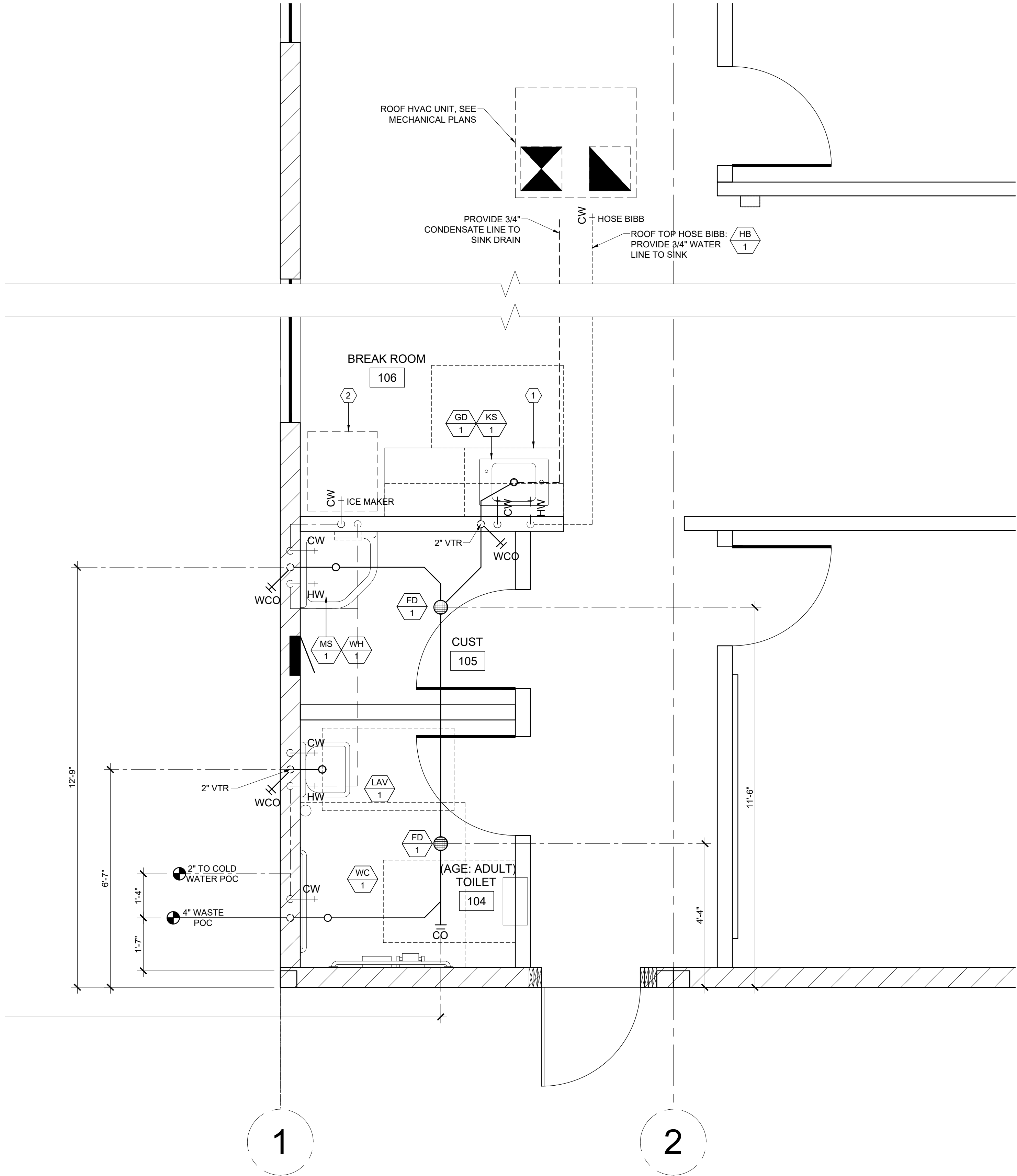
MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W. STARBUCK
STATE OF CALIFORNIA
STRUCTURAL

SILVER CREEK MODULAR LLC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-22-2025
SHEET NUMBER

A-6.01N



- NOTES:
- ALL HOT WATER FIXTURES TO HAVE TEMPERING VALVES.
 - SEE SHEET P-1.01 FOR FIXTURE HEIGHT INFORMATION & SCHEDULES.
 - SLOPE RESTROOM FLOORS TO FLOOR DRAINS, SLOPE 2% MAX IN ANY DIRECTION.

ENLARGED PLAN

PLUMBING FIXTURE SCHEDULE						
SYMBOL	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	FIXTURE DESCRIPTION (AS CALLED OUT OR APPROVED EQUAL)
	[ADULT] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	PROFLO PF1721 VITREOUS CHINA ELONGATED RIM, SIPHON JET, 10" ROUGH-IN; OLSONITE 10SSCTFR SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE
	LAVATORY (ACCESSIBLE)	1/2"	1/2"	2"	1 1/2"	AMERICAN STANDARD 9141.011 LUCERNE HANGER; OLYMPIA #6161 SINGLE HANDLE FAUCET (0.5 GPM)
	KITCHEN SINK	1/2"	1/2"	2"	1 1/2"	JUST CRA-ADA-1725-A-GR 17"x25" w/ 4 1/2" BOWL DEPTH SINGLE COMP SS SINK WITH CHICAGO 50-E35ABCP DECK MOUNT FAUCET w/TEMPER VALVE
	MOP SINK	1/2"	1/2"	2"	1 1/2"	AMERICAN STANDARD #7741.000 28"x28" CAST IRON W/ CHICAGO FAUCET 956-R, 853 WALL HOOK, AND 2" K-9142 STRAINER
	INSTANT WATER HEATER	1/2"	1/2"	-	-	EEMAX #EX180T2TML, 208V, 18 KW, 50A OPERATING WEIGHT = 15 LBS MAX, FASTEN BRACKET TO WALL w/4" #6 SCREWS
	FLOOR DRAIN	-	-	2"	1 1/2"	JAY R SMITH #2005YA-02-P050-NB, FLOOR DRAIN TAPPED FOR PRIMER, 5" NICKEL BRONZE STRAINER W/ 1/4" MAX. GRATE OPENINGS
	TRAP PRIMER	1/2"	-	-	-	PR-500 WITH 8"x12" LOCKABLE BOX, 1/2" BALL SHUT-OFF VALVE, AND PPP DU-U FRESH WATER DISTRIBUTION SYSTEM
	WATER HAMMER ARRESTOR	1"	-	-	-	PPP SC-1000
	HOSE BIBB	1/2"	-	-	-	ACORN 8126-LF SERIES HOSE VALVE @ ROOF
	GARBAGE DISPOSAL	-	-	-	-	TBD; PROVIDE PROVISIONS FOR FUTURE GARBAGE DISPOSAL

PIPE MATERIAL:

- | | |
|---------------|-----------------|
| SEWER | - ABS |
| VENT | - ABS |
| POTABLE WATER | - TYPE L COPPER |

KEYNOTES

- PLASTIC LAMINATE CASEWORK, WITH PLASTIC LAMINATE COUNTERTOP & STAINLESS STEEL SINK. PROVIDE HOT WATER HEATER & TEMPERING VALVE.
- PROVIDE ICE MAKER BOX, WATER LINE AND PROVISIONS FOR REFRIGERATOR ICE MAKER. REFRIGERATOR BY OTHERS

NOTES:

- HOT WATER PIPING SHALL BE INSULATED WITH MINIMUM 1" WRAP.
- AT MECHANICAL EQUIPMENT PROVIDE 3/4" TYPE L COPPER CONDENSATE PIPING TO THE NEAREST DRY WELL OR STORM DRAIN SYSTEM BY OTHERS.
- SEE PC SHEET P-1.01 FOR ACCESSIBLE MOUNTING HEIGHT CHART & FIXTURE DIMENSIONS BY AGE GROUP.
- SEE SHEET P-1.01 FOR TYPICAL ACCESSIBLE PLUMBING FIXTURE DETAILS.
- INSTALL WATER HEATER OUTSIDE OF CLEAR KNEE SPACE.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SOUTH SAN FRANCISCO
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

PLUMBING PLAN

REVISIONS

1	
2	
3	
4	
5	



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK MODULAR LLC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

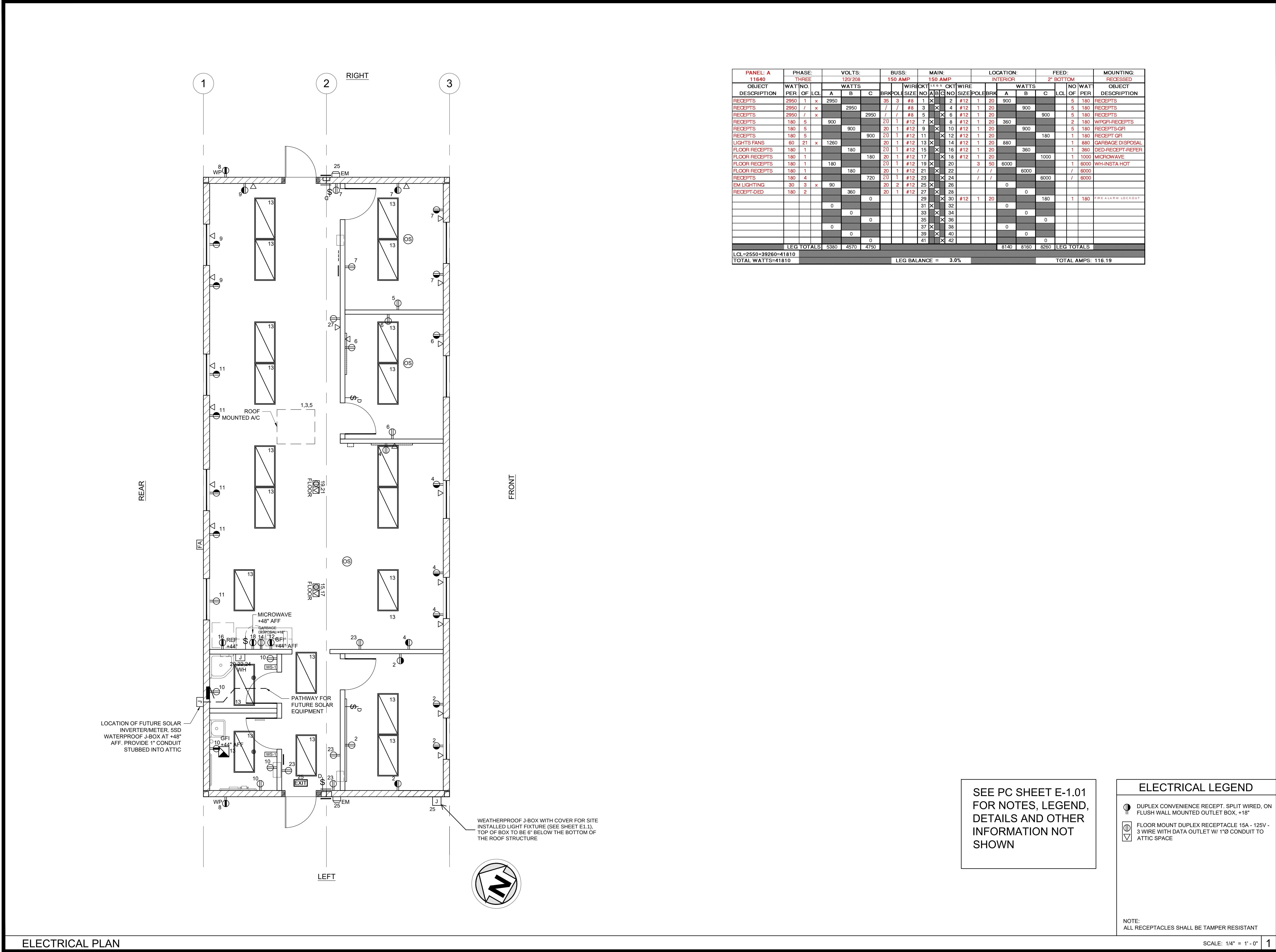
DATE: 09-05-2025

SHEET NUMBER

P-1.02N

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

1



PANEL: A 11640		PHASE: THREE			VOLTS: 120/208			BUSS: 150 AMP		MAIN: 150 AMP		LOCATION: INTERIOR			FEED: 2" BOTTOM			MOUNTING: RECESSED			
OBJECT DESCRIPTION		WAT/NO	PER OF	LCL	WATTS			WIRING BRK/NO		WIRE SIZE/NO		POLE/BRK		WATTS			NO OF PER		OBJECT DESCRIPTION		
RECEPTS	2950	1	x		2950			35	3	#8	1	X	2	#12	1	20		5	180	RECEPTS	
RECEPTS	2950	/	x			2950		/	/	#8	3	X	4	#12	1	20		5	180	RECEPTS	
RECEPTS	2950	/	x				2950	/	/	#8	5	X	6	#12	1	20		5	180	RECEPTS	
RECEPTS	180	5			900			20	1	#12	7	X	8	#12	1	20		2	180	WPGH-RECEPTS	
RECEPTS	180	5				900		20	1	#12	9	X	10	#12	1	20		5	180	RECEPTS-GFI	
RECEPTS	180	5					900	20	1	#12	11	X	12	#12	1	20		1	180	RECEPT GFI	
LIGHTS/FANS	80	21	x		1260			20	1	#12	13	X	14	#12	1	20		1	880	GARBAGE DISPOSAL	
FLOOR RECEPTS	180	1				180		20	1	#12	15	X	16	#12	1	20		1	360	DED-RECEPT-REFER	
FLOOR RECEPTS	180	1					180	20	1	#12	17	X	18	#12	1	20		1	1000	MICROWAVE	
FLOOR RECEPTS	180	1			180			20	1	#12	19	X	20		3	50	6000		1	6000	WH-INSTA HOT
FLOOR RECEPTS	180	1				180		20	1	#12	21	X	22	/	/		6000		/	6000	
RECEPTS	180	4					720	20	1	#12	23	X	24	/	/			6000	/	6000	
EM LIGHTING	30	3	x		90			20	2	#12	25	X	26				0				
RECEPT-DED	180	2				360		20	1	#12	27	X	28				0				
							0	29		X	30		#12	1	20		180	1	180	FIRE ALARM LOCKOUT	
					0			31		X	32						0				
					0			33		X	34						0				
						0		35		X	36						0				
								37		X	38						0				
								39		X	40						0				
						0		41		X	42										
LEG TOTALS					5380	4570	4750										8140	8160	8260	LEG TOTALS	
LCL=2550+39260=41810																					
TOTAL WATTS=41810		LEG BALANCE = 3.0%																			
		TOTAL AMPS: 116.19																			

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SOUTH SAN FRANCISCO
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

ELECTRICAL PLAN
AND SCHEDULE

REVISIONS

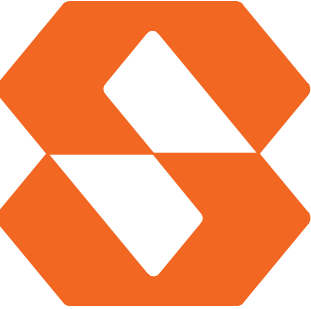
1

2

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4

5


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

MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK MODULAR LLC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-05-2025
SHEET NUMBER

E-1.01N

SAN FRANCISCO HIGH SCHOOL
24' x 60' OFFICES & RESTROOMS
HVAC

EQUIPMENT & MATERIAL



CARRIER MODEL # 50NR-B60-5 ROOF PACKAGED ROOF HEAT PUMP
56,000 BTUH COOLING, SEER = 15.50
55,500 BTUH HEATING, HSPF2 = 7.70
1560 CFM NOMINAL @.2" S.P., WT. = 615 LBS.
208/230V-3 PH-60 CY., MAX. F.L.A. = 21.95 AMPS.
WITH FACTORY ROOF CURB, ECONOMIZER

SUPPLY AIR PLENUMS : GALV. IRON SHEETS W/ 1" LINER INSULATION

RETURN AIR PLENUMS : GALV. IRON SHEETS W/ 1" LINER INSULATION

INTERIOR DUCTWORK : FLEX DUCT CLASS 1 UL-181 5'-0" MAX. LENGTH
: GALV IRON SPIRAL WITH 2" FSK WRAP

SUPPLY AIR REGISTERS : US AIRE '7600-6' SERIES

RETURN AIR GRILLES : US AIRE '7600R-6' SERIES

THERMOSTATS : PELICAN TC-3

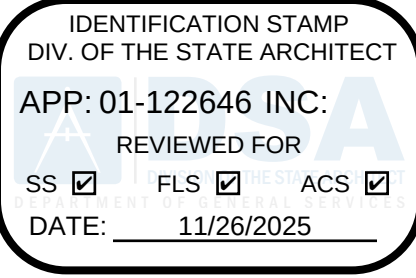
FLAME SPREAD LESS THAN 25 SMOKE DEVELOPED RATING LESS THAN 50

	SUPPLY DUCT		DIRECTIONAL AIR FLOW
	RETURN DUCT		BAROMETRIC RELIEF DAMPER THRU WALL
	NUMBER INDICATES DUCT SIZE		UNDERCUT DOOR
	RETURN REGISTER		BAROMETRIC RELIEF DAMPER THRU ROOF
	SUPPLY REGISTER		THERMOSTAT
	FLEX DUCT (5'-0" MAX)		DAMPER
	EXHAUST FAN		EQUIPMENT CALLOUT: TOP = EQUIPMENT TYPE BOTTOM = IDENTIFICATION
	12"x12" HOLE THRU BEAM		ELECTRICAL LOCATION
	16"x10" HOLE THRU BEAM		CONDENSATE DRAIN
	SMOKE FIRE DAMPER (12x12 AFD)		GAS LOCATION
	SMOKE DUCT DETECTOR		

M-0	COVER SHEET - LEGEND/SYMBOLS
M-1	MECHANICAL PLAN
M-2	ROOF PLAN

DRAWING LIST

1/4 : 12 GABLED ROOF	60 MIL PER PC TPO	9'-0" CEILING HT.
----------------------------	-------------------------	----------------------



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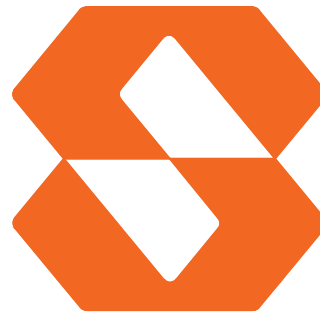
SOUTH SAN FRANCISCO
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

EQUIPMENT LIST, STD
SYMBOLS LEGEND
COVER SHEET

REVISIONS

1	
2	
3	
4	
5	



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK MODULAR LLC

PROJECT NO:

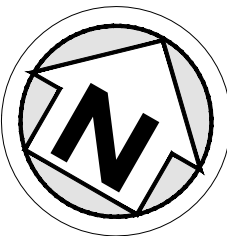
DRAWN BY:

SCALE: AS NOTED

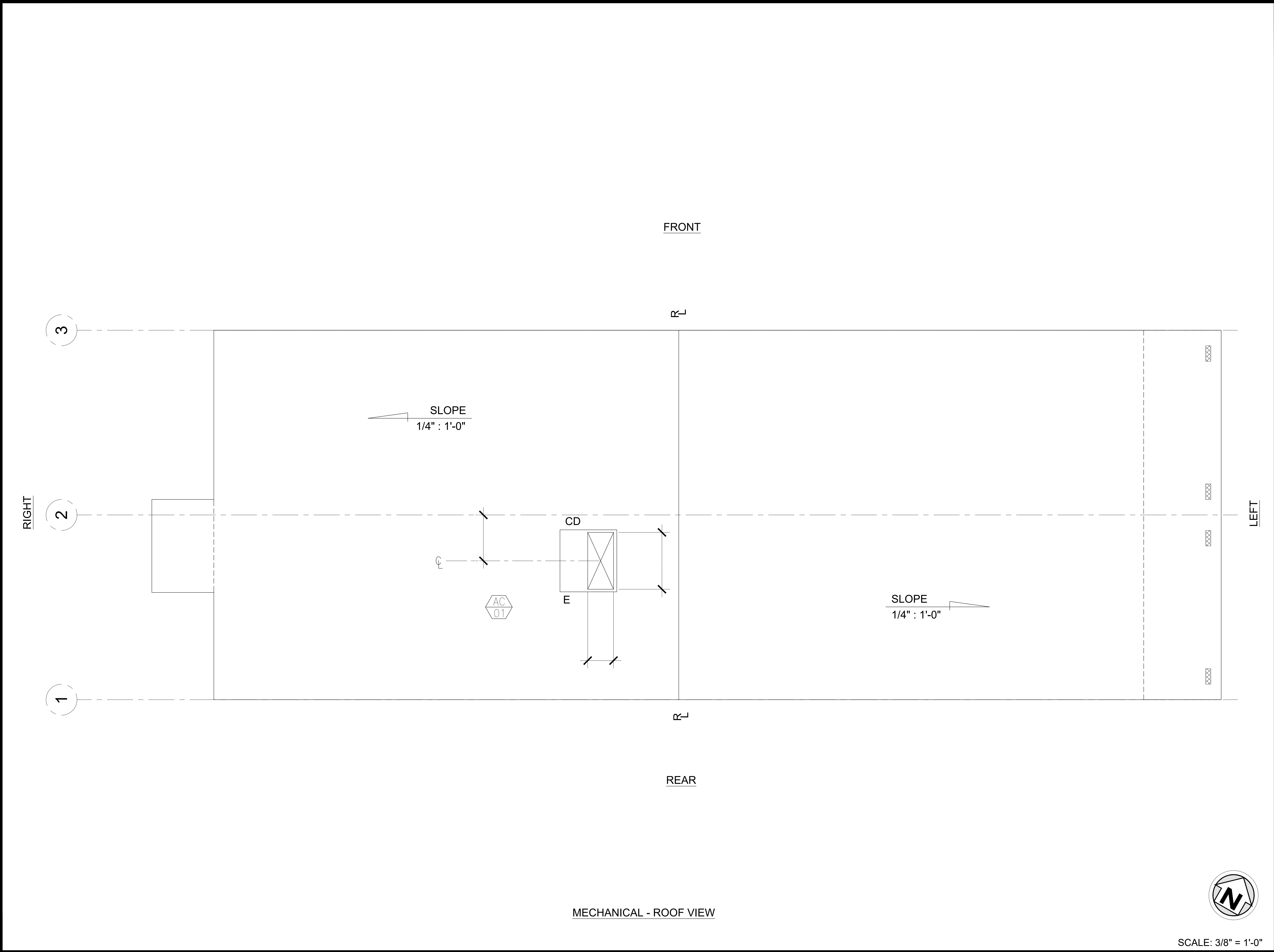
DATE: 09-05-2025

SHEET NUMBER

M-0



M-1



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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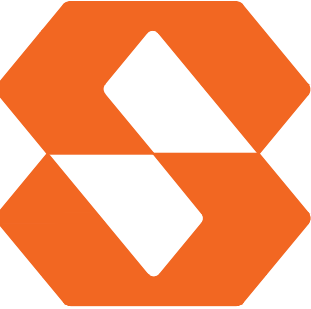
SOUTH SAN FRANCISCO
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

HVAC ROOF PLAN

REVISIONS

1	
2	
3	
4	
5	


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

MODULAR BUILDING DESIGN PROFESSIONAL


SILVER CREEK MODULAR LLC
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-05-2025
SHEET NUMBER

M-2

SCALE: 3/8" = 1'-0"

MODULAR CLASSROOM BUILDINGS
(WITH OPTIONAL RESTROOM MODULE)
BUILDING SIZE: 24' X 60'
EXPANDABLE TO 72' X 60'
PC 04-122202

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
SAN FRANCISCO HIGH SCHOOL
(1)24'x60' OFFICE BUILDING

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.	2019 EDITION

APPLICABLE CODES

LIST OF 2022 CALIFORNIA CODE OF REGULATIONS

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

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

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

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

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

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

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

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

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

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

APPLICABLE STANDARDS:

FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

BUILDING DATA

NUMBER OF STORIES:	1 - STORY
OCCUPANCY:	E
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 - 33 PSF
ROOF DEAD LOAD:	18 PSF (INCLUDING SPRINKLER LOAD AND 1 PSF SOLAR LOAD)
SOLAR ALLOWANCE:	0.6 PSF OVER ENTIRE ROOF AREA
RAMP LIVE LOAD:	100 PSF
BUILDING AREA:	☒ 24'x60' BLDG - 1440 / 1620 (SF) ☐ 60'x60' BLDG - 3600 / 4050 (SF) ☐ 36'x60' BLDG - 2160 / 2430 (SF) ☐ 72'x60' BLDG - 4320 / 4860 (SF) ☐ 48'x60' BLDG - 2880 / 3240 (SF) * 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 (<2,160 SF, CONDITIONAL) ☐ CONCRETE BELOW GRADE (AMM, SEE NOTE 19)
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-SLOW, P_m 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)	D
SEISMIC IMPORTANCE FACTOR I_g	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}	1.8
HORIZONTAL OR VERTICAL IRREGULARITY TYPES	NONE
REDUNDANCY FACTOR R_{hd}	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 ELAVATED BY 50% FOR ALL APPLICATIONS OF SM_1	
+++ FOR THE PURPOSES OF CALCULATING C_s (PER ASCE 7-16 12.8.1.3) $S_{DS} = 1.56$ ACTUAL PERIOD $T = 0.34$ SEC.	

- 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_{strat}

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 ☐ E

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

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

SHORT-PERIOD DESIGN SPECTRAL RESPONSE PARAMETER, S_{DS} * SPECIFIED IN GEOTECHNICAL INVESTIGATION

CGS APPROVAL REQUIRED

NOT ELIGIBLE FOR OTC REVIEW

SITE CLASS: ☐ C ☐ D ☐ E

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

☐ SITE CLASS C or D: $0.7 \times S_{DS}^* = 0.7 \times$ _____ ≤ 1.56

$C_s = 0.45$ USED IN DESIGN

SEISMIC DESIGN CATEGORY: ☐ D

* SITE SPECIFIC S_{DS} VALUE BEFORE APPLICATION ALLOWED BY ASCE 7 SECTION 12.8.1.3

- NOTE:
- THIS PC WILL NOT BE PLACED ON ANY CAMPUS IN ANY OF THE FOLLOWING LOCATIONS:
- WITHIN THE 65 CNEL NOISE CONTOUR OF AN AIRPORT
 - WITHIN THE 65 CNEL OR L_{dn} NOISE CONTOUR OF A FREEWAY, EXPRESSWAY, RAILROAD, OR INDUSTRIAL SOURCE GUIDEWAY
 - WHERE EXPOSED TO NOISE LEVEL OF 65dB Leq-1-HOUR DURING ANY HOUR OF OPERATION

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.

SHEET INDEX

TOTAL SHEETS 130

SHT NO. ARCHITECTURAL

- A-0 COVER SHEET
- A-0.1 SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE
- A-0.2 SCHEDULES
- A-0.3 TYPICAL KEY PLANS - 24' TO 72' x 60'
- A-0.50 ☐ DESIGN ENERGY VALUES - CONC FLOOR
- A-0.51 ☐ DESIGN ENERGY VALUES - WOOD FLOOR
- A-0.54 PRF FORMS - ZONE 14 WORST CASE - 24' x 60'
- A-0.55 PRF FORMS - ZONE 15 WORST CASE - 24' x 60'
- A-0.56 PRF FORMS - ZONE 16 WORST CASE - 24' x 60'
- A-0.57 PRF FORMS - ZONE 14 WORST CASE - 36' x 60'
- A-0.58 PRF FORMS - ZONE 15 WORST CASE - 36' x 60'
- A-0.59 PRF FORMS - ZONE 16 WORST CASE - 36' x 60'
- A-0.6A CERTIFICATE OF COMPLIANCE FORMS
- A-0.6B CERTIFICATE OF COMPLIANCE FORMS
- A-0.6C CERTIFICATE OF COMPLIANCE FORMS
- A-0.6D ☐ SINGLE MODULE TOWER BUILDING COMPLIANCE FORMS
- A-0.7 PV SYSTEM REQ'S, ENERGY MANDATORY MEASURES & CALGREEN SPECS
- A-1.01 ☐ FLOOR PLAN - 24' x 60'
- A-1.02 ☐ FLOOR PLAN - 36' x 60'
- A-1.03 ☐ FLOOR PLAN - 48 TO 72' x 60'
- A-1.04 ☐ OPTIONAL RESTROOM END MODULE ADULT HEIGHT PLAN & ELEVATIONS
- A-1.04A ☐ OPTIONAL RESTROOM END MODULE ALTERNATE HEIGHT PLANS
- A-1.05 ☐ OPTIONAL RR END MOD. - PLUMBING PLANS & WATER SUPPLY ISOMETRIC
- A-1.06 ☐ OPTIONAL RR END MOD. - WASTE ISOMETRICS - WALL / FLOOR MOUNTED
- A-1.07 ☐ OPTIONAL RR END MOD. - INT. / EXT. ELEVATIONS & FIXTURE LEGEND
- A-2.01 ☐ REFLECTED CEILING PLAN - 24' x 60'
- A-2.02 ☐ REFLECTED CEILING PLAN - 36' x 60'
- A-2.03 ☐ REFLECTED CEILING PLAN - 48 TO 72' x 60'
- A-2.20 ☐ CEILING DETAILS - T-GRID
- A-2.21 ☐ CEILING DETAILS - HARD LID
- A-3.01 ☐ ROOF PLAN - METAL DECK - DUAL SLOPE - 24' x 60'
- A-3.02 ☐ ROOF PLAN - METAL DECK - DUAL SLOPE - 36' x 60'
- A-3.03 ☐ ROOF PLAN - METAL DECK - DUAL SLOPE - 48' TO 72' x 60'
- A-3.31 ☐ ROOF PLAN - PARAPET - DUAL SLOPE - 24' x 60'
- A-3.32 ☐ ROOF PLAN - PARAPET - DUAL SLOPE - 36' x 60'
- A-3.33 ☐ ROOF PLAN - PARAPET - DUAL SLOPE - 48' TO 72' x 60'
- A-3.41 ☐ ROOF PLAN - TPO - DUAL SLOPE - 24' x 60'
- A-3.42 ☐ ROOF PLAN - TPO - DUAL SLOPE - 36' x 60'
- A-3.43 ☐ ROOF PLAN - TPO - DUAL SLOPE - 48' TO 72' x 60'
- A-3.50 ☐ ROOF DETAILS - METAL DECK
- A-3.80 ☐ ROOF DETAILS - PARAPET
- A-3.90 ☐ ROOF DETAILS - TPO
- A-4.01 ☐ EXTERIOR ELEVATIONS - DUAL SLOPE - 24' x 60'
- A-4.02 ☐ EXTERIOR ELEVATIONS - DUAL SLOPE - 36' x 60'
- A-4.03 ☐ EXTERIOR ELEVATIONS - DUAL SLOPE - 48 TO 72' x 60'
- A-4.21 ☐ EXTERIOR ELEVATIONS - DUAL SLOPE - PARAPET - 24' x 60'
- A-4.22 ☐ EXTERIOR ELEVATIONS - DUAL SLOPE - PARAPET - 36' x 60'
- A-4.23 ☐ EXTERIOR ELEVATIONS - DUAL SLOPE - PARAPET - 48 TO 72' x 60'
- A-5.02 ☐ CROSS SECTION - DUAL SLOPE
- A-5.05 CROSS SECTION
- A-5.50 ☐ ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING
- A-5.51 ☐ ARCHITECTURAL DETAILS - WOOD STUD - PLASTER
- A-5.52 ☐ ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING - 1 HOUR RATED
- A-5.53 ☐ ARCHITECTURAL DETAILS - WOOD STUD - PLASTER - 1 HOUR RATED
- A-5.60 ☐ ARCHITECTURAL DETAILS - STEEL STUD - WOOD SIDING
- A-5.61 ☐ ARCHITECTURAL DETAILS - STEEL STUD - PLASTER
- A-5.62 ☐ ARCHITECTURAL DETAILS - STEEL STUD - WOOD SIDING - 1 HOUR RATED
- A-5.63 ☐ ARCHITECTURAL DETAILS - STEEL STUD - PLASTER - 1 HOUR RATED
- A-5.64 ☐ ARCHITECTURAL DETAILS - 1 HOUR RATED OPTIONS
- A-5.70 ARCHITECTURAL DETAILS - FLOOR
- A-5.71 ☐ DETERIORATION PROTECTION NON-WD FIN. SIDING - CONC FLR.-WD STUDS
- A-5.72 ☐ DETERIORATION PROTECTION STUCCO EXT. FIN. - CONC FLR.-WD STUDS
- A-5.73 ☐ DETERIORATION PROTECTION NON-WD FIN. SIDING - WD FLR.-WD STUDS
- A-5.74 ☐ DETERIORATION PROTECTION STUCCO EXT. FIN. - WD FLR.-WD STUDS
- A-5.75 ☐ DETERIORATION PROTECTION NON-WD FIN. SIDING - CONC FLR.-STL STUDS
- A-5.76 ☐ DETERIORATION PROTECTION STUCCO EXT. FIN. - CONC FLR.-STL STUDS
- A-5.77 ☐ DETERIORATION PROTECTION NON-WD FIN. SIDING - WD FLR.-STL STUDS
- A-5.78 ☐ DETERIORATION PROTECTION STUCCO EXT. FIN. - WD FLR.-STL STUDS
- A-5.80 ☐ ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
- A-5.81 ☐ ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
- A-6.01 ☐ INTERIOR ELEVATIONS - 24' x 60'
- A-6.02 ☐ INTERIOR ELEVATIONS - 36' TO 72' x 60'

SHT NO. FOUNDATION

- F-0.01 ☐ WOOD FOUNDATION PLAN - 24' x 60' (50 PSF)
- F-0.02 ☐ WOOD FOUNDATION PLAN - 24' x 60' (50+15 PSF)
- F-0.03 ☐ WOOD FOUNDATION PLAN - 24' x 60' (100 PSF)
- F-0.04 ☐ WOOD FOUNDATION PLAN - 24' x 60' (150 PSF)
- F-0.11 ☐ WOOD FOUNDATION PLAN - 36' x 60' (50 PSF)
- F-0.12 ☐ WOOD FOUNDATION PLAN - 36' x 60' (50+15 PSF)
- F-0.13 ☐ WOOD FOUNDATION PLAN - 36' x 60' (100 PSF)
- F-0.14 ☐ WOOD FOUNDATION PLAN - 36' x 60' (150 PSF)
- F-0.50 ☐ FOUNDATION DETAILS - WOOD FOUNDATION
- F-1.01 ☐ CONCRETE FOUNDATION PLAN - ABOVE GRADE - WOOD FLOOR
- F-1.11 ☐ CONCRETE FOUNDATION PLAN - ABOVE GRADE - CONCRETE FLOOR
- F-1.50 ☐ CONCRETE FOUNDATION DETAILS - ABOVE GRADE
- F-2.01 ☐ CONCRETE FOUNDATION PLAN - BELOW GRADE - WOOD FLOOR
- F-2.11 ☐ CONCRETE FOUNDATION PLAN - BELOW GRADE - CONCRETE FLOOR
- F-2.50 ☐ CONCRETE FOUNDATION DETAILS - BELOW GRADE
- F-2.51 ☐ FOUNDATION DETAILS - CONCRETE

SHT NO. STRUCTURAL

- S-0.1 STRUCTURAL SPECIFICATIONS
- S-1.01 ☐ FLOOR FRAMING PLAN - WOOD FLOOR
- S-1.11 ☐ FLOOR FRAMING PLAN - CONCRETE FLOOR
- S-1.50 ☐ FLOOR FRAMING DETAILS - WOOD FLOOR
- S-1.60 ☐ FLOOR FRAMING DETAILS - CONCRETE FLOOR
- S-2.11 ☐ ROOF FRAMING PLAN - DUAL SLOPE
- S-2.13 ☐ ROOF FRAMING PLAN - PARAPET - DUAL SLOPE
- S-2.51 ☐ ROOF FRAMING DETAILS - DUAL SLOPE
- S-2.60 ☐ ROOF FRAMING DETAILS - PARAPET
- S-2.70 ☐ ROOF FRAMING DETAILS - PARAPET
- S-2.90 ☐ ROOF FRAMING DETAILS - TRUSS
- S-3.02 ☐ BUILDING SECTION - DUAL SLOPE ROOF
- S-5.00 ☐ WALL FRAMING ELEVATIONS - WOOD STUDS
- S-5.10 ☐ WALL FRAMING DETAILS - WOOD STUDS
- S-5.11 ☐ WALL FRAMING DETAILS - WOOD STUDS
- S-5.20 ☐ WALL FRAMING ELEVATIONS - STEEL STUDS
- S-5.30 ☐ WALL FRAMING DETAILS - STEEL STUDS
- S-5.31 ☐ WALL FRAMING DETAILS - STEEL STUDS

SHT NO. PLUMBING

- P-1.01 ☐ PLUMBING DETAILS AND SCHEDULE

SHT NO. MECHANICAL

- M-0.1 MECHANICAL NOTES, SCHEDULES, AND DETAILS
- M-1.01 ☐ MECHANICAL PLAN - WALL MOUNT - 24' x 60'
- M-1.02 ☐ MECHANICAL PLAN - WALL MOUNT - 36' x 60'
- M-1.03 ☐ MECHANICAL PLAN - WALL MOUNT - 48 TO 72' x 60'
- M-2.01 ☐ MECHANICAL PLAN - ROOF MOUNT - 24' x 60'
- M-2.02 ☐ MECHANICAL ROOF PLAN - ROOF MOUNT - 24' x 60'
- M-3.01 ☐ MECHANICAL PLAN - ROOF MOUNT - 36' x 60'
- M-3.02 ☐ MECHANICAL ROOF PLAN - ROOF MOUNT - 36' x 60'
- M-4.01 ☐ MECHANICAL PLAN - ROOF MOUNT - 48 TO 72' x 60'
- M-4.02 ☐ MECHANICAL ROOF PLAN - ROOF MOUNT - 48 TO 72' x 60'

SHT NO. ELECTRICAL

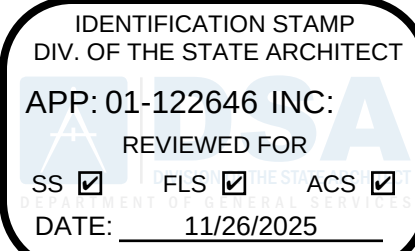
- E-1.01 ☐ ELECTRICAL PLAN - 24' x 60'
- E-1.02 ☐ ELECTRICAL PLAN - 36' x 60'
- E-1.03 ☐ ELECTRICAL PLAN - 48 TO 72' x 60'

SHT NO. RAMP

- R-1.01 ☐ STANDARD RAMP PLAN
- R-1.02 ☐ OFFSET RAMP PLAN
- R-1.03 ☐ RAMP LANDING
- R-1.04 ☐ STANDARD LANDING WITH STEPS
- R-1.05 ☐ SWITCHBACK RAMP PLAN
- R-2.01 ☐ RAMP DETAILS

SHT NO. RELOCATABLE SHEETS

- REL-101 ☐ BUILDING RELOCATION DETAILS
- REL-102 ☐ BUILDING RELOCATION DETAILS



PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

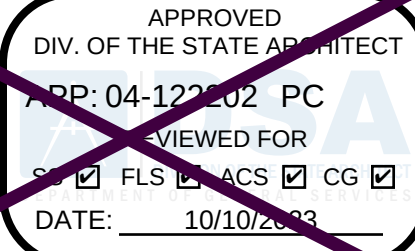
SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

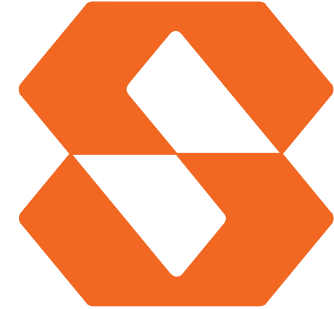
COVER SHEET

REVISIONS

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



PC STATE AGENCY APPROVAL



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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 09-19-2023

P.C. SHEET NUMBER

A-0

DSA 103-22 LISTING OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS (SOILS)

NO SOILS REPORT REQ'D ☐

S1. GENERAL:			
Test or Special Inspection	Type	Performed By	Code References and Notes
☒ a. Verify that: <ul style="list-style-type: none"> • 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. 	See Notes	PI	Refer to specific items identified in the Appendix listing exemptions for limitations. Placement of controlled fill exceeding 12" depth under foundations is not permitted without a geotechnical report.
S2. SOIL COMPACTION AND FILL:			
Test or Special Inspection	Type	Performed By	Code References and Notes
☒ a. Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	Continuous	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
☒ b. Compaction testing.	Test	LOR*	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
S3. DRIVEN DEEP FOUNDATIONS (PILES):			
Test or Special Inspection	Type	Performed By	Code References and Notes
☐ a. Verify pile materials, sizes and lengths comply with the requirements.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
☐ b. Determine capacities of test piles and conduct additional load tests as required.	Test	LOR*	* Under the supervision of the geotechnical engineer.
Test or Special Inspection	Type	Performed By	Code References and Notes
☐ c. Inspect driving operations and maintain complete and accurate records for each pile.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
☐ d. 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.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
☐ e. Steel piles.	Provide tests and inspections per STEEL section below.		
☐ f. Concrete piles and concrete filled piles.	Provide tests and inspections per CONCRETE section below.		
☐ g. 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	Type	Performed By	Code References and Note
☐ a. Inspect drilling operations and maintain complete and accurate records for each pier.	Continuous	PI	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☐ b. Verify pier locations, diameters, plumbness and lengths/Record concrete or grout volumes.	Continuous	PI	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☐ c. Concrete piers.	Provide tests and inspections per CONCRETE section below.		
Test or Special Inspection	Type	Performed By	Code References and Notes
S5. RETAINING WALLS:			
Test or Special Inspection	Type	Performed By	Code References and Notes
☐ a. Placement, compaction and inspection of backfill.	Continuous	GE*	1705A.6.1, * By geotechnical engineer or his or her qualified representative. (See Section S2 above).
☐ b. Placement of soil reinforcement and/or drainage devices.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. See DSA IR 18-2.
☐ c. Segmental retaining walls; inspect placement of units, dowels, connectors, etc.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. See DSA IR 18-2.
☐ d. Concrete retaining walls.	Provide tests and inspections per CONCRETE section below.		
☐ e. Masonry retaining walls.	Provide tests and inspections per MASONRY section below.		
S6. OTHER SOILS:			
Test or Special Inspection	Type	Performed By	Code References and Notes
☐ a. Soil Improvements	Test	GE*	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.
☐ b. Inspection of Soil Improvements	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
☐ c.			

DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022
 Application Number: 04-122203 School Name: SCM School District: SCM
 DSA File Number: 33 Silver Increment Number: Date Created: 2023-09-21 15:14:25

1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291

DSA 103-22 LISTING OF STRUCTURAL TESTS AND SPECIAL INSPECTIONS (SOILS)

SOILS REPORT REQ'D ☐

S1. GENERAL:			
Test or Special Inspection	Type	Performed By	Code References and Notes
☒ a. Verify that: <ul style="list-style-type: none"> • 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. 	Periodic	GE*	* 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	Type	Performed By	Code References and Notes
☐ a. Perform classification and testing of fill materials.	Test	LOR*	* Under the supervision of the geotechnical engineer.
☒ b. Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	Continuous	GE*	* 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.)
☒ c. Compaction testing.	Test	LOR*	* 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	Type	Performed By	Code References and Notes
☐ a. Verify pile materials, sizes and lengths comply with the requirements.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
☐ b. Determine capacities of test piles and conduct additional load tests as required.	Test	LOR*	* Under the supervision of the geotechnical engineer.
☐ c. Inspect driving operations and maintain complete and accurate records for each pile.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
☐ d. 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.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
☐ e. Steel piles.	Provide tests and inspections per STEEL section below.		
☐ f. Concrete piles and concrete filled piles.	Provide tests and inspections per CONCRETE section below.		
☐ g. 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	Type	Performed By	Code References and Note
☐ a. Inspect drilling operations and maintain complete and accurate records for each pier.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
Test or Special Inspection	Type	Performed By	Code References and Note
☐ a. Verify pier locations, diameters, plumbness, butt diameters (if applicable), lengths and embedment into bedrock (if applicable), record concrete or grout volumes.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
☐ b. Confirm adequate and strata bearing capacity.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
☐ d. Concrete piers.	Provide tests and inspections per CONCRETE section below.		
S5. RETAINING WALLS:			
Test or Special Inspection	Type	Performed By	Code References and Notes
☐ a. Placement, compaction and inspection of backfill.	Continuous	GE*	1705A.6.1, * By geotechnical engineer or his or her qualified representative. (See Section S2 above).
☐ b. Placement of soil reinforcement and/or drainage devices.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
☐ c. Segmental retaining walls; inspect placement of units, dowels, connectors, etc.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative. See DSA IR 18-2.
☐ d. Concrete retaining walls.	Provide tests and inspections per CONCRETE section below.		
☐ e. Masonry retaining walls.	Provide tests and inspections per MASONRY section below.		
S6. OTHER SOILS:			
Test or Special Inspection	Type	Performed By	Code References and Notes
☐ a. Soil Improvements	Test	GE*	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.
☐ b. Inspection of Soil Improvements	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
☐ c.			

DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022
 Application Number: 04-122203 School Name: scm School District: scm
 DSA File Number: Increment Number: Date Created: 2023-09-22 13:08:16

1. Soils Testing and Inspection: Geotechnical Verified Report Form DSA 293

STOCKPILE		CONSTRUCTION OF PERMANENT MODULAR OR RELACATABLE BUILDING		RELOCATION OF RELOCATABLE BUILDING		DSA 103-22 LISTING OF STRUCTURAL TEST AND SPECIAL INSPECTIONS				
☐	☐	☒	☐	☐	☐	THIS LIST IS A ITEMIZED LIST OF REQUIRED TEST AND SPECIAL INSPECTIONS USED THROUGH OUT THIS PC. ARCHITECT SHALL SELECT THE COLUMN ASSOCIATED WITH THE PROJECT TYPE. THE EXAMPLE FORM DSA 103 SECTIONS SHOWN ON THIS SHEET ARE FOR ILLUSTRATION PURPOSES ONLY. FORM DSA 103-22 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO THE PROJECT SPECIFIC 103				
WOOD FLR ONLY	CONCRETE FLOOR	FLYWD FLR WOOD FOUNDATION	FLYWD FLR CONCRETE FOUNDATION	CONCRETE FOUNDATION	WOOD FOUNDATION	CONCRETE FOUNDATION	X = REQUIRED TEST OR INSPECTION			
☒	☒	☒	☒	☒	☒	☒	C1. CAST-IN-PLACE CONCRETE			
Test or Special Inspection							Type	Performed By	Code References and Notes	
a. Verify use of required design mix.							Periodic	SI	Table 1705A.3 Item 5, 1910A.1.	
b. Identify sample, and test reinforcing steel.							Test	LOR	1910A.2; ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)	
c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.							Test	LOR	Table 1705A.3 Item 6; ACI 318-19 Sections 26.5 & 26.12.	
d. Test concrete (f _c).							Test	LOR	1905A.1.17; ACI 318-19 Section 26.12.	
e. Batch plant inspection: Periodic							See Notes	SI	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 eliminated per 1705A.3.3.2. See IR 17-13. (See Appendix (end of this form) for exemptions.)	
f. Welding of reinforcing steel.							Provide special inspection per STEEL, Category S/A4(d) & (e) and/or S/A5(g) & (h) below.			
S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL, AND ALUMINUM USED FOR STRUCTURAL PURPOSES										
Test or Special Inspection							Type	Performed By	Code References and Notes	
a. Verify identification of all materials and: <ul style="list-style-type: none"> • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements. 							Periodic	*	Table 1705A.2.1 Item 3a-3c, 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.	
b. Test unidentified materials							Test	LOR	2202A.1.	
c. Examine seam welds of HSS shapes							Periodic	SI	DSA IR 17-3.	
d. Verify and document steel fabrication per DSA-approved construction documents.							Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).	
e. Buckling restrained braces							Test	LOR	Testing and special inspections in accordance with IR 22-4.	
S/A3. WELDING:										
Test or Special Inspection							Type	Performed By	Code References and Notes	
a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.							Periodic	SI	1705A.2.2, 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.	
b. Verify weld filler material manufacturer's certificate of compliance.							Periodic	SI	DSA IR 17-3.	
c. Verify WPS, welder qualifications and equipment.							Periodic	SI	DSA IR 17-3.	
S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):										
Test or Special Inspection							Type	Performed By	Code References and Notes	
a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.							Continuous	SI	Table 1705A.2.1 Items 5a, 1-4; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.	
b. Inspect single-pass fillet welds < 5/16", floor and roof deck welds.							Periodic	SI	1705A.2.2, Table 1705A.2.1 Items 5a, 5 & 5a, 6; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.	
c. Inspect welding of stairs and railing systems.							Periodic	SI	1705A.2.1; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.	
d. Verification of reinforcing steel weldability other than ASTM A706.							Periodic	SI	1705A.3.1; AWS D14; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.	
e. Inspect welding of reinforcing steel							Continuous	SI	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							Type	Performed By	Code References and Notes	
a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.							Continuous	SI	Table 1705A.2.1 Items 5a, 1-4; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.	
b. Inspect single-pass fillet welds < 5/16".							Periodic	SI	Table 1705A.2.1 Item 5a, 5; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.	
c. Inspect end-welded studs (ASTM A-108) installation (including bend test).							Periodic	SI	2213A.2; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.	
d. Inspect floor and roof deck welds.							Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a, 6; AISC 360-16 (AISC 341-16 as applicable); AWS D1.3; DSA IR 17-3.	
e. Inspect welding of structural cold-formed steel.							Periodic	SI*	1705A.2.5; AWS D1.3; DSA IR 17-3. The quality control provisions of AISI S240-20 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.	
f. Inspect welding of stairs and railing systems.							Periodic	SI*	1705A.2.1; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.	
g. Verification of reinforcing steel weldability							Periodic	SI	1705A.3.1; AWS D14; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.	
h. Inspect welding of reinforcing steel							Continuous	SI	Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8; AWS D1.4; DSA IR 17-3.	
S/A6. NONDESTRUCTIVE TESTING:										
Test or Special Inspection							Type	Performed By	Code References and Notes	
a. Ultrasonic							Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2; AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.	
b. Magnetic Particle							Test	LOR	1705A.2.1, 1705A.2.5; AISC 341-16 J6.2; AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.	
c.							Test	LOR		
S/A9. ANCHOR BOLTS AND ANCHOR RODS:										
Test or Special Inspection							Type	Performed By	Code References and Notes	
a. anchor Bolts and Anchor Rods							Test	LOR	Sample and test anchor bolts and anchor rods not readily identifiable per procedures noted in DSA IR 17-11.	
b. Threaded rod not used for foundation anchorage.							Test	LOR	Sample and test threaded rods not readily identifiable per procedures noted in DSA IR 17-11.	
DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022										
Application Number: 04-122203 School Name: SCM School District: SCM										
DSA File Number: 33 Silver Increment Number: Date Created: 2023-09-21 15:26:03										
1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291										
2. Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291										
3. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292										
4. Field Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292										

· UT TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS COLUMN SPLICES OR BEAM SPLICES WHERE THE MATERIAL THICKNESS BEING WELDED IS 5/16" OR GREATER.

· UT TEST SHALL NOT BE REQUIRED TO BE PERFORMED ON CJP GROOVE WELDS WHERE THE MATERIAL THICKNESS BEING WELDED IS 1/4" OR LESS.

· MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN OR TRUSS CHORD TO COLUMN CJP GROOVE WELDS.

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 01-122646 INC:
 REVIEWED FOR
 SS ☒ FLS ☒ ACS ☒
 DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK 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:

SOUTH SAN FRANCISCO U.S.D.
 U.S.D.
 SAN FRANCISCO H.S.

SHEET TITLE:

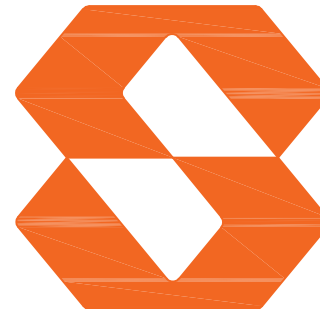
T & I FORMS

REVISIONS

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

APPROVED
 DIV. OF THE STATE ARCHITECT
 APP: 04-122202 PC
 REVIEWED FOR
 SS ☒ FLS ☒ ACS ☒ CG ☒
 DATE: 10/16/2023

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 60' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 09-19-2023

P.C. SHEET NUMBER

A-0A

WILDLAND URBAN INTERFACE REQUIREMENTS ☐

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

CHAPTER 7A REQUIREMENTS:

705A ROOFING

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

706A VENTS

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

707A EXTERIOR COVERINGS

707A.3 - EXTERIOR WALL FINISH SHALL BE PLASTER (NON-COMBUSTIBLE) OVER 1/2" OSB OVER STUDS OR 19/32" DURATEMP SIDING OVER STUDS (PER SFM LISTING# 8140-2031.0004).
707A.4 - NOT APPLICABLE. NO OPEN ROOF EAVES OCCUR.
707A.5 - SOFFIT FINISH SHALL BE PLASTER (NON-COMBUSTIBLE) OVER FRAMING OR ALLURA FIBER-CEMENT PANELS (NON-COMBUSTIBLE) (PER ESR-1668).
707A.6 - NOT APPLICABLE. DOES NOT OCCUR
707A.7 - NOT APPLICABLE. DOES NOT OCCUR
707A.8 - NOT APPLICABLE. DOES NOT OCCUR
707A.9 - NOT APPLICABLE. DOES NOT OCCUR

708A EXTERIOR DOORS AND WINDOWS

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

709A - DECKING - THE EXTERIOR DECKING (WHERE APPLICABLE) IS A NON-COMBUSTIBLE STEEL FRAME AND DECK. SKIRTING MATERIAL (WHERE APPLICABLE) SHALL BE 19/32" DURATEMP SIDING (PER SFM LISTING# 8140-2031.0004).

710A - NOT APPLICABLE.

[illegible]

WINDOW FINISH	
ANOD:	CLEAR ANODIZED ALUMINUM FRAME
DP:	3/16" MINIMUM DUAL PANE TEMPERED GLASS OF SOLAR GRAY - 3/16" ENERGYSIELD
T:	TEMPERED GLASS
	<p><u>NOTES:</u></p> <ol style="list-style-type: none"> 1. ALL OPERABLE SASH SHALL HAVE SCREENS. 2. TEMPORARY NFRC LABELS SHALL STAY ON WINDOWS UNTIL PROJECT INSPECTOR HAS VERIFIED INSTALLED PENETRATION MATCHES WINDOW SCHEDULE ON PLAN. 3. WINDOW ASSEMBLY AND GLAZING TO BE LABELED PER CBC 716. FURTHER REVIEW IS REQUIRED FOR POTENTIAL RATED ASSEMBLIES ON SITE SPECIFIC PROJECT

WINDOW TYPE

WINDOW TYPE "1"

44" MAX ** 44" MAX ** TO OPERABLE PART

WINDOW TYPE "2"

FINISH FLOOR

** 44" MAX. WHERE NO OBSTRUCTION OCCURS

NOTES:

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 5 LBS OF FORCE TO OPERATE.
3. THE REQUIRED FORCE TO PUSH/PULL THE WINDOW PANEL SHALL NOT EXCEED 5 LBS.
4. ALL SAFETY GLAZING SHALL BE IDENTIFIED PER CBC CHAPTER 24.

SLIDING WINDOW CAN BE OPERABLE WITH ONE HAND PALM PER 11B-309.4

B1 - PLAN VIEW

SCALE: N.T.S.

WINDOW SASH W/ PROJECTING PIN TYPE HANDLE

B2 - PERSPECTIVE VIEW OF OPERABLE WINDOW LATCH

PART NO.: SP2203
MANUF.: IWC

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

DOOR MATERIALS				DOOR FINISH ABBREVIATIONS	
HM:	18GA HOLLOW METAL	K*	W/IN FRAME	* EXTERIOR DOORS TO BE UNINSULATED SINGLE LAYER DOORS	
WF:	16GA WELDED FRAME		CORE WOOD LEGACY	W/ U-FACTOR OF 1.450 MAX	
AL:	ALUMINUM	1	LOW CORE WOOD		
SST:	STAINLESS STEEL	1	PAINTED		

DOOR TYPES & NOTES

DOOR TYPE "A"

DOOR TYPE "A1"

1. DOOR HANDLE FOR LOCK SETS AND PANIC HARDWARE TO BE CENTERED AT 40" AFF
2. 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.
3. ALL DOORS SHALL BE 1 3/4" THICK U.N.O.
4. CLOSER SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5 LBS AT EXTERIOR AND INTERIOR DOORS.
5. PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER
6. ALL HARDWARE SHALL COMPLY WITH SILVER CREEK'S SPECS ON THIS SHEET AND CBC SECTIONS 11B-206.5, 11B-404.1 & 1010.
7. 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.
8. PANIC AND FIRE EXIT HARDWARE WHERE THIS TYPE HARDWARE IS INSTALLED, IT SHALL COMPLY WITH THE FOLLOWING:
 - THE ACTUATING PORTION OF THE RELEASING DEVICE SHALL EXTEND AT LEASE ONE-HALF OF THE DOOR LEAF WIDTH.
 - THE MAXIMUM FORCE TO ACTIVATE ANY OPERABLE PART SHALL NOT EXCEED 5 LBS PER THE 2022 CBC, PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1010.1.1.0
9. ALL HAND ACTIVATED HARDWARE SHALL BE LEVER TYPE, PANIC BARS, PUSH/PULL TYPE OR U SHAPED HANDLES
10. 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.
11. FLOOR STOP SHALL BE LOCATED 4" MAX FROM FACE OF WALL.

[illegible]

FLOOR, WALL, CEILING MATERIALS	
FLOORING	
CARP:	CARPET PER STATE OF CALIFORNIA SPECIFICATIONS COMPLYING WITH GROUP 1; TYPE "A" OR TYPE "B"; CLASS 2; DENSITY 4600; DIRECT GLUE DOWN
SV:	SHEET VINYL FLOORING W/ FULLY SEALED JOINTS
VCT:	VINYL COMPOSITION TILE
BASE	
4" TS:	4" TOP SET BASE
6" TS:	6" TOP SET BASE
SC:	6" SELF-COVE BASE, CONTINUE FLOOR MATERIAL UP THE WALL PER 10/A-5.70
WALLS	
TACK:	1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYPSUM BOARD BACKING OR RIGID INSULATION W/ ADHESIVE
FRP:	1/8" FIBER REINFORCED PANEL OVER 1/2" WATER RESISTANT GYPSUM BOARD
GYP:	1/2" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
PLY:	1/2" PLYWOOD FINISH
NF:	NO FINISH
CEILING	
CP:	ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATION NOTES ON REFLECTED CEILING PLAN)
HC:	5/8" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH (HARD LID CEILING)
GBE:	1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)

FINISH NOTES

- | | |
|----------------------|--|
| 1. | ALL FINISHES SHALL COMPLY WITH CBC, CFC AND TITLE 19 CCR. |
| 2. | PREPARATION FOR SUB-FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB-FLOOR ANY DEFORMITIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR 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. |
| 4. | CARPET SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT, OR LEVEL CUT / UNGUT PILE TEXTURE AND MAXIMUM PILE HEIGHT SHALL BE 1/4" AND SHALL COMPLY WITH THE 2022 CBC |
| 5. | INTERIOR WALL AND CEILING FINISHES (INCLUDING TOILET PARTITIONS) SHALL COMPLY WITH CBC SECTION 803 AND DEVELOPMENT IN ACCORDANCE WITH CBC SECTION 803.1.1 OR 803.1.2. ROOMS AND ENCLOSED SPACES SHALL HAVE A MINIMUM "CLASS B" CLASSIFICATION OR BETTER. |
| 6. | INTERIOR FLOOR FINISHES SHALL COMPLY WITH CBC SECTION 804 AND SHALL CLASSIFIED IN ACCORDANCE WITH CCR SECTION 804.1.1.1. RADIANT FLUX CLASSIFICATION OF NOT LESS THAN "CLASS II". |
| DOOR HARDWARE | |

	DOOR HARDWARE
--	---------------

CLASSROOM PASS -		EXTERIOR DOOR HW-4	
LOCKSET	SCHLAGE ND66PDRHO626	Finish 26D	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D	or equal
CLOSER	NORTON 8501 BFDA	Finish 689	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
DOOR W/ PANIC HARDWARE -		EXTERIOR DOOR HW-2	
EXIT DEVICE	VON DUPRIN AX-99L-2PA w/ SCHLAGE rim cylinder	Finish Alum	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D	or equal
CLOSER	NORTON 8501 BFDA	Finish 689	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
STAFF RESTROOM / SINGLE-OCCUPANCY -		INTERIOR DOOR HW-3	
LOCKSET	SCHLAGE ND40SRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER 1279 4 1/2" x 4 1/2"	Finish 26D	or equal
CLASSROOM PASS -		INTERIOR DOOR HW-4	
LOCKSET	SCHLAGE ND66PDRHO626	Finish 26D	or equal
BUTTS	HAGER 1279 4 1/2" x 4 1/2"	Finish 26D	or equal
BOYS & GIRLS RESTROOM -		EXTERIOR DOOR HW-5	
LOCKSET	SCHLAGE ND70PDRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal
STAFF RESTROOM -		EXTERIOR DOOR HW-6	
LOCKSET	SCHLAGE ND70PDRHO626 (cylindrical)	Finish 26D	or equal
INDICATOR	SCHLAGE B571	Finish 26D	
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal

 EMERGENCY EXIT AND PANIC HARDWARE:
INDICATE ON PLANS AND/OR SPECIFICATIONS COMPLIANCE
WITH SFM STANDARD 12-10-3, SECTION 12-10-302.

(A) THE CROSS-BAR SHALL EXTEND ACROSS NOT LESS THAN
ONE-HALF THE WIDTH OF THE DOORFRAME.

(D) THE ENDS OF THE CROSS-BAR SHALL BE CURVED, GUARDED OR
OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OF
PERSONS DURING EGRESS.

BRING CUT-SHEETS OF PANIC HARDWARE TO BACK CHECK
APPOINTMENT TO DEMONSTRATE COMPLIANCE TO STD. 12-10-3.

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, JOHN 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 m³ 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-8.8 (MIN) CONTINUOUS RIGID FOAM INSULATION ON THE INTERIOR SIDE OF THE WALL (6" WALL)
- ☐ R-30 BATT + R-8.8 (MIN) CONTINUOUS RIGID FOAM INSULATION ON THE INTERIOR SIDE OF THE WALL (8" WALL)

INTERIOR WALL INSULATION (MIN.)

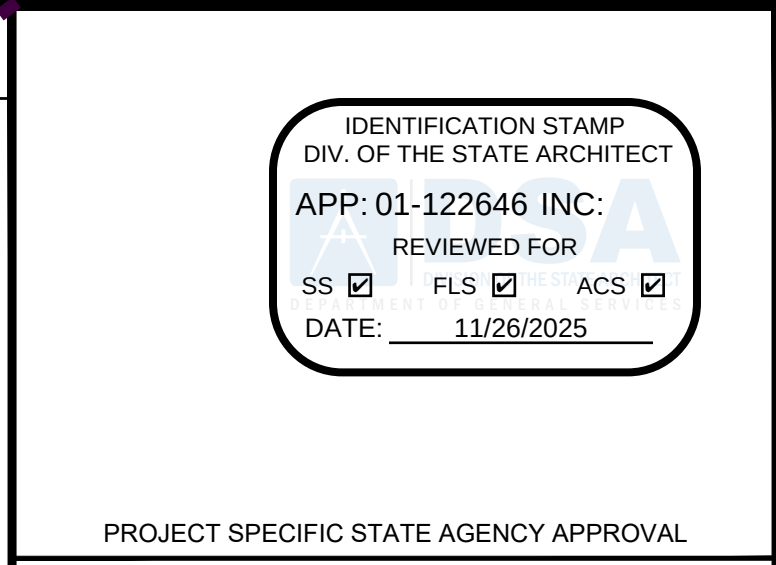
R-13

FLOOR INSULATION

- ☐ NONE (CONCRETE MASS)
- ☐ R-19 (MIN)

ROOF INSULATION (MIN.)

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



PROJECT NAME:

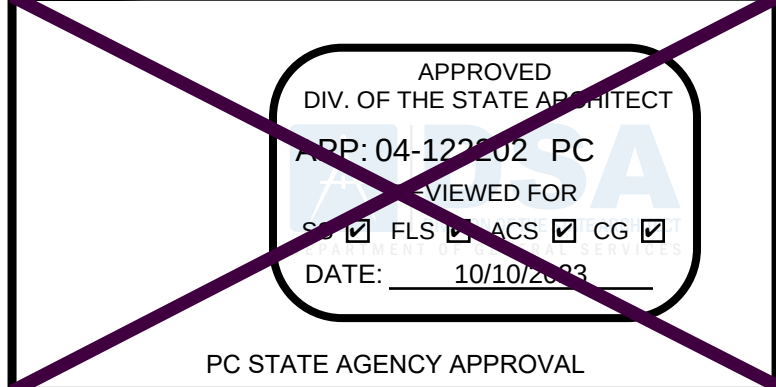
SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

SCHEDULES

REVISIONS	
1	
2	
3	
4	
5	

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

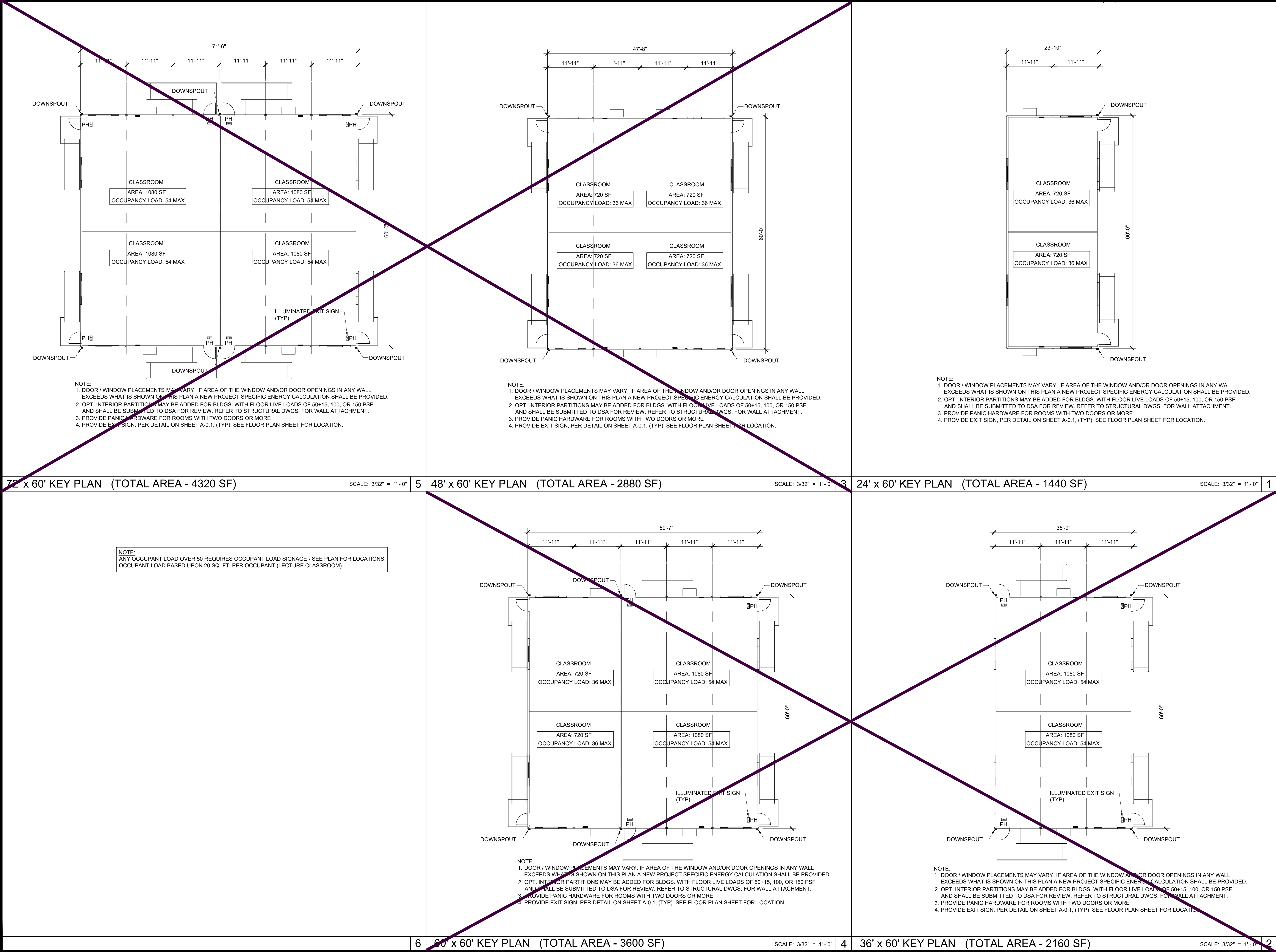


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A circular professional engineer seal for John W. Starkun, State of California, No. 27516, Structural Engineering. The seal features a scalloped outer border. Inside the border, the text "REGISTERED PROFESSIONAL ENGINEER" is written in a circular path at the top, and "STATE OF CALIFORNIA" is at the bottom. The center of the seal contains the name "JOHN W. STARKUN" and the number "27516". A signature, "John W. Starkun", is written across the center of the seal.

SILVER CREEK INDUSTRIES
24' x 60' PC

P.C. SHEET NUMBER	
A-0.2	



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

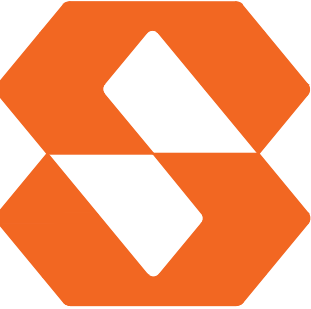
TYPICAL KEY PLANS
24' - 72' x 60'

REVISIONS
1
2
3
4
5

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-122202 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023

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 60' PC
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-19-2023
P.C. SHEET NUMBER

A-0.3

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

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

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

24x60 (2) 4-ton units									
TDV EIR	%	TDV Total	%	Source EIR	%	Result			
61.24	13.8%	61.24	13.8%	6.03	16.1%	PASS			
30.76	7.5%	30.76	7.5%	3.35	9.7%	PASS			
40.42	9.5%	40.42	9.5%	4.21	11.8%	PASS			
42.59	9.9%	42.59	9.9%	4.42	12.3%	PASS			
41.41	9.7%	41.41	9.7%	4.29	11.9%	PASS			
30.37	7.4%	30.37	7.4%	3.28	9.5%	PASS			
61.39	13.9%	61.39	13.9%	5.98	16.0%	PASS			
36.27	8.6%	36.27	8.6%	3.81	10.8%	PASS			

38.79	8.8%	38.79	8.8%	3.84	11.8%	PASS			
30.33	7.1%	30.33	7.1%	3.07	9.7%	PASS			
37.23	8.5%	37.23	8.5%	3.65	11.2%	PASS			
42.26	9.4%	42.26	9.4%	4.04	12.2%	PASS			
38.85	8.8%	38.85	8.8%	3.81	11.6%	PASS			
32.03	7.4%	32.03	7.4%	3.19	10.0%	PASS			
38.87	8.9%	38.87	8.9%	3.73	11.5%	PASS			
34.57	7.9%	34.57	7.9%	3.48	10.7%	PASS			

91.97	21.6%	91.97	21.6%	32.15	43.7%	PASS			
85.79	20.6%	85.79	20.6%	31.93	43.7%	PASS			
93.38	22.0%	93.38	22.0%	32.32	44.0%	PASS			
90.64	21.4%	90.64	21.4%	32.21	43.8%	PASS			
92.31	21.6%	92.31	21.6%	32.36	43.8%	PASS			
82.95	20.0%	82.95	20.0%	32.09	43.7%	PASS			
92.83	21.9%	92.83	21.9%	32.49	44.1%	PASS			
94.40	22.1%	94.40	22.1%	32.36	43.9%	PASS			

36x60 (2) 4-ton units									
TDV EIR	%	TDV Total	%	Source EIR	%	Result			
72.88	19.1%	72.88	19.1%	6.87	21.9%	PASS			
69.12	18.4%	69.12	18.4%	6.57	21.2%	PASS			
72.32	19.0%	72.32	19.0%	6.87	21.9%	PASS			
74.17	19.3%	74.17	19.3%	6.97	22.1%	PASS			
74.03	19.3%	74.03	19.3%	6.94	22.0%	PASS			
69.91	18.6%	69.91	18.6%	6.60	21.2%	PASS			
73.47	19.3%	73.47	19.3%	6.92	22.0%	PASS			
70.45	18.6%	70.45	18.6%	6.60	21.2%	PASS			

78.20	19.3%	79.45	25.1%	7.12	27.4%	PASS			
74.67	18.7%	75.92	24.4%	6.80	26.6%	PASS			
77.94	19.3%	79.18	25.0%	7.07	27.2%	PASS			
76.51	19.0%	77.75	24.6%	6.92	26.8%	PASS			
78.23	19.3%	79.48	25.1%	7.12	27.3%	PASS			
75.61	19.0%	76.86	24.7%	6.87	26.9%	PASS			
79.17	19.6%	80.42	25.5%	7.17	27.6%	PASS			
72.54	18.2%	73.79	23.8%	6.67	26.1%	PASS			

64.61	19.3%	64.61	19.3%	16.97	33.3%	PASS			
60.75	18.5%	60.75	18.5%	16.81	33.2%	PASS			
64.73	19.4%	64.73	19.4%	17.08	33.5%	PASS			
58.19	17.8%	58.19	17.8%	16.78	33.0%	PASS			
64.28	19.2%	64.28	19.2%	17.09	33.4%	PASS			
60.15	18.3%	60.15	18.3%	16.91	33.2%	PASS			
64.83	19.4%	64.83	19.4%	17.15	33.6%	PASS			
62.79	18.9%	62.79	18.9%	16.93	33.2%	PASS			

48x60 (4) 4-ton units									
(2) SETS OF 24x60 MODULES									

60x60 (4) 4-ton units									
(1) SET OF 24x60 MODULES + (1) SET OF 36x60 MODULES									

72x60 (4) 4-ton units									
(2) SETS OF 36x60 MODULES									

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

HVAC Design	
Zone: 1-16	
Tonnage:	4
Min. EER / HSPF:	12.0/8.0
Outside Air:	See Ventilation Calcs on Mechanical Plans
Occupancy Sensor:	Yes
DCV/ Economizer:	Yes

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, 60 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 sheet A-0.3 for mechanical layout per classroom
Refer to Mechanical plans for more info
Where Steel stud walls are used the exterior wall assembly shall be as follows:
U-Value 0.062 (max) - provide 6" (Nominal) studs @ 24" oc with R-19 batt cavity insulation and continuous 1.5" rigid foam insulation (R=8.8 min) on the interior side of the wall.

DESIGN ENERGY VALUES BY BUILDING SIZE - WOOD FLOOR - ROOF HVAC

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

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

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

24x60 (2) 4-ton units									
TDV EIR	%	TDV Total	%	Source EIR	%	Result			
66.48	14.9%	66.48	14.9%	6.40	17.1%	PASS			
36.18	8.8%	36.18	8.8%	3.74	10.8%	PASS			
45.58	10.8%	45.58	10.8%	4.57	12.9%	PASS			
47.72	11.1%	47.72	11.1%	4.79	13.3%	PASS			
46.49	10.9%	46.49	10.9%	4.65	13.0%	PASS			
35.66	8.7%	35.66	8.7%	3.66	10.6%	PASS			
66.57	15.0%	66.57	15.0%	6.34	17.0%	PASS			
41.38	9.8%	41.38	9.8%	4.18	11.8%	PASS			

39.61	9.0%	39.61	9.0%	4.24	13.0%	PASS			
31.45	7.3%	31.45	7.3%	3.51	11.1%	PASS			
38.21	8.7%	38.21	8.7%	4.08	12.5%	PASS			
43.05	9.6%	43.05	9.6%	4.44	13.4%	PASS			
39.59	8.9%	39.59	8.9%	4.22	12.9%	PASS			
33.11	7.7%	33.11	7.7%	3.61	11.4%	PASS			
39.76	9.1%	39.76	9.1%	4.15	12.8%	PASS			
35.30	8.1%	35.30	8.1%	3.89	12.0%	PASS			

94.57	22.2%	94.57	22.2%	32.34	44.0%	PASS			
88.21	21.2%	88.21	21.2%	32.09	43.9%	PASS			
95.96	22.6%	95.96	22.6%	32.48	44.2%	PASS			
93.05	22.0%	93.05	22.0%	32.38	44.0%	PASS			
94.66	22.2%	94.66	22.2%	32.53	44.0%	PASS			
85.27	20.6%	85.27	20.6%	32.26	44.0%	PASS			
94.99	22.4%	94.99	22.4%	32.64	44.3%	PASS			
96.86	22.7%	96.86	22.7%	32.53	44.1%	PASS			

36x60 (2) 4-ton units									
TDV EIR	%	TDV Total	%	Source EIR	%	Result			
74.97	19.7%	74.97	19.7%	7.00	22.3%	PASS			
71.24	19.0%	71.24	19.0%	6.90	21.7%	PASS			
74.36	19.5%	74.36	19.5%	6.99	22.4%	PASS			
76.16	19.8%	76.16	19.8%	7.09	22.5%	PASS			
76.03	19.8%	76.03	19.8%	7.07	22.4%	PASS			
71.83	19.1%	71.83	19.1%	6.71	21.6%	PASS			
75.48	19.8%	75.48	19.8%	7.04	22.4%	PASS			
72.56	19.2%	72.56	19.2%	6.74	21.7%	PASS			

75.47	18.7%	76.72	24.2%	7.25	27.9%	PASS			
72.14	18.1%	73.38	23.6%	6.94	27.2%	PASS			
75.35	18.7%	76.60	24.2%	7.19	27.7%	PASS			
73.72	18.3%	74.97	23.7%	7.05	27.3%	PASS			
75.49	18.6%	76.74	24.2%	7.24	27.8%	PASS			
73.03	18.3%	74.28	23.9%	7.01	27.4%	PASS			
76.54	19.0%	77.79	24.7%	7.29	28.1%	PASS			
69.87	17.6%	71.12	22.9%	6.81	26.7%	PASS			

64.76	19.4%	64.76	19.4%	16.93	33.2%	PASS			
60.77	18.5%	60.77	18.5%	16.76	33.1%	PASS			
64.82	19.5%	64.82	19.5%	17.03	33.4%	PASS			
58.31	17.8%	58.31	17.8%	16.74	33.0%	PASS			
64.37	19.3%	64.37	19.3%	17.04	33.3%	PASS			
60.12	18.3%	60.12	18.3%	16.86	33.1%	PASS			
64.85	19.4%	64.85	19.4%	17.09	33.4%	PASS			
63.03	19.0%	63.03	19.0%	16.89	33.2%	PASS			

48x60 (4) 4-ton units									
(2) SETS OF 24x60 MODULES									

60x60 (4) 4-ton units									
(1) SET OF 24x60 MODULES + (1) SET OF 36x60 MODULES									

72x60 (4) 4-ton units									
(2) SETS OF 36x60 MODULES									

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, 60 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-0.3 for mechanical layout per classroom
Refer to Mechanical plans for more info
Where Steel stud walls are used the exterior wall assembly shall be as follows:
U-Value 0.062 (max) - provide 6" (Nominal) studs @ 24" oc with R-19 batt cavity insulation and continuous 1.5" rigid foam insulation (R=8.8 min) on the interior side of the wall.

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

HVAC Design	
Zone: 1-16	
Tonnage:	4
Min. EER / COP:	11.0/3.3
Outside Air:	See Ventilation Calcs on Mechanical Plans
Occupancy Sensor:	Yes
DCV/ Economizer:	Yes

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

DESIGN ENERGY VALUES
WOOD FLOOR

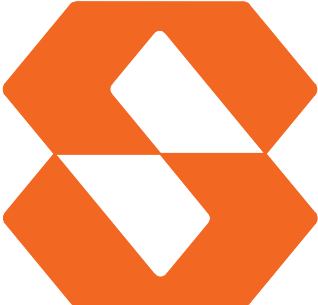
REVISIONS

1
2
3
4
5

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122602 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023

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 60' PC
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-19-2023
P.C. SHEET NUMBER

A-0.51

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

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD										NRC-PHF-F
Nonresidential Performance Compliance Method										Page 1 of 15
Project Name:		60 PC - 24x60 - W/D FLR - RF HVAC				Date Prepared:		2023-09-18		
A. General Information										
1	Project Name	60 PC - 24x60 - W/D FLR - RF HVAC								
2	Room Title									
3	Project Location	- specify -								
4	City	- specify -								
5	Zip code	92301								
6	Climate Zone	14								
7	Building Type(s)	+ Reasonable Public School Building for use in all climate zones (Occupancy: E)								
8	Project Scope	+ New complete scope								
9	Total Unconditioned Floor Area in Scope (SF)	1440		5	Standards Version	Compliance 2024				
10	Total Unconditioned Floor Area (SF)	0		7	Work Completion (month)	08/2022-23 (SP1) [2028]				
11	Nonresidential Conditioned Floor Area	1440		9	Building Orientation (deg.)	75				
12	Residential Conditioned Floor Area	0		11	Weather File	PMSDALE_STY20.apw				
13	Total of # of Dwelling Units	0		15	Number of Dwelling Units	0				
14	Total of # of hotel/motel rooms	0		16	Total of # of hotel/motel rooms	0				
15	Total of # of Fuel Type	0		17	Fuel Type	Natural gas				
16	Total of # of Stories (Habitable Above Grade)	2		19	Total of # of Stories (Habitable Above Grade)	2				

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-09-18 12:59:50
 Schema Version: rev 20220801

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD									
Nonresidential Performance Compliance Method									
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 G)	Roofing	Performance	Solar Thermal Water Heating (See Table H)	Performance	The following building components are either exempt from prescriptive compliance or allowed to be documented as the NRC can find within the scope of the permit application. Compliance will be as determined by the NRC staff.				
Mechanical (See Table H)	Roofing	Performance	Covered Process	Not Included	NRC-CH-1 is required				
	Multifam	Not Included	Commercial Kitchens (see Table J)	Not Included	NRC-CH-1 is required				
	Multifam	Not Included	Outdoor Lighting (140.7 & 170.24)	Not Included	NRC-CH-1 is required				
Domestic Hot Water (See Table I)	Roofing	Not Included	Covered Process	Performance	Sign Lighting (140.8 & 170.24)				
	Multifam	Not Included	Laboratory Exhaust (see Table J)	Not Included	NRC-CH-1 is required				
Lighting (Indoor Conditions, see Table K)	Roofing	Performance	Photovoltaics (see Table F)	Performance	Building Components Complying with Mandatory Measures				
	Multifam	Not Included		Not Included	Electrical power systems, commissioning, solar study, envelope and insulation requirements are mandatory and should be documented on the NRC form (total of applicable). Compliance will not be shown on the NRC-CH-1.				
	Battery (see Table L)	Not Included		Not Included	Electrical Power Distribution 110.1.1				
		Not Included		Not Included	Commissioning 120.8				
		Not Included		Not Included	Solar and Battery 110.10				

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-09-18 12:59:50
 Schema Version: rev 20220801

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD									
Nonresidential Performance Compliance Method									
C1. COMPLIANCE SUMMARY									
COMPLEX ¹									
				Time Dependent Valuation (TDV)			Source Energy Use		
				Efficiency (Btu/ft ² ·yr)	yr)	Total (Btu/ft ² ·yr)	Total (Btu/ft ² ·yr)	Total (Btu/ft ² ·yr)	
Standard Design				433.67		433.67		34	
Proposed Design				279.71		279.71		31.15	
Compliance Margin				Pass		Pass		1.35	
				Pass		Pass		Pass	

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

²Compliance Margin includes efficiency, photovoltaics and battery.

³Building complex when efficiency and total compliance margins are greater than or equal to zero and summer total hour limits are not exceeded.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-09-18 12:59:50
 Schema Version: rev 20220801

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD									
Nonresidential Performance Compliance Method									
C2. THERMAL ENERGY RESULTS FOR PERFORMANCE COMPONENTS (Annual TMY Energy Use, Btu/ft ² ·yr)									
COMPLEX ¹									
				Standard Design (TDV)		Proposed Design (TDV)		Compliance Margin (TDV) ²	
Energy Component				Standard Design (TDV)	Proposed Design (TDV)	Standard Design (TDV)	Proposed Design (TDV)	Standard Design (TDV)	Proposed Design (TDV)
Space Heating				26.67	26.79	-0.12			
Space Cooling				112.77	116.11	-1.34			
Indoor Fans				186.42	157.69	28.73			
Heat Rejection				0	0	0			
Pumps & Misc.				0	0	0			
Domestic Hot Water				50	61.95	0.05			
Indoor Lighting				32.61	27.17	5.44			
Flexibility				---	---	---			
EFFICIENCY COMPLIANCE TOTAL				433.67	279.71	30.76 (7.0%)			
Photovoltaics				---	---	---			
Batteries				---	---	---			
TOTAL COMPLIANCE				433.67	279.71	30.76 (7.0%)			

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

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-09-18 12:59:50
 Schema Version: rev 20220801

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD									
Nonresidential Performance Compliance Method									
C3. THERMAL ENERGY RESULTS FOR NON-REGULATED COMPONENTS ¹									
Non-Regulated Energy Component									
				Standard Design (TDV)		Proposed Design (TDV)		Compliance Margin (TDV) ²	
Receptacle				67.93		67.93			
Process				---		---			
Other Use				---		---			
Process Motors				---		---			
TOTAL TOTAL COMPLIANCE - NON-REGULATED COMPONENTS				476.4		467.84		30.76 (6.4%)	

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

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD									
Nonresidential Performance Compliance Method									
C4. SOURCE ENERGY RESULTS FOR PERFORMANCE COMPONENTS (Annual Source Energy Use, Btu/ft ² ·yr)									
COMPLEX ¹									
				Standard Design (SOURCE)		Proposed Design (SOURCE)		Compliance Margin (SOURCE) ²	
Energy Component				Standard Design (SOURCE)	Proposed Design (SOURCE)	Standard Design (SOURCE)	Proposed Design (SOURCE)	Standard Design (SOURCE)	Proposed Design (SOURCE)
Space Heating				4.24	4.22	0.02			
Space Cooling				4.22	4.37	-0.15			
Indoor Fans				18.41	15.37	3.04			
Heat Rejection				0	0	0			
Pumps & Misc.				0	0	0			
Domestic Hot Water				5.06	5.05	0.01			
Indoor Lighting				2.57	2.14	0.43			
Flexibility				---	---	---			
EFFICIENCY COMPLIANCE TOTAL				36.5	31.15	3.35 (9.1%)			
Photovoltaics				---	---	---			
Batteries				---	---	---			
TOTAL COMPLIANCE				36.5	31.15	3.35 (9.1%)			

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

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-09-18 12:59:50
 Schema Version: rev 20220801

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD									
Nonresidential Performance Compliance Method									
C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS ¹									
Non-Regulated Energy Component									
				Standard Design (SOURCE)		Proposed Design (SOURCE)		Compliance Margin (SOURCE) ²	
Receptacle				4.92		4.92			
Process				---		---			
Other Use				---		---			
Process Motors				---		---			
TOTAL TOTAL COMPLIANCE - NON-REGULATED COMPONENTS				84.42		84.67		3.18 (3.8%)	

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

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance Report Version: 2022.0.000 Report Generated: 2023-09-18 12:59:50
 Schema Version: rev 20220801

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD										NREC-PW-6		
Nonresidential Performance Compliance Method										(Page 8 of 15)		
C7. ENERGY USE SUMMARY												
Energy Component	Standard Design Size (MBtu)		Proposed Design Size (MBtu)		Margin (MBtu)		Standard Design Size (MBtu)		Proposed Design Size (MBtu)		Margin (MBtu)	
Space Heating	1.3		1.3		0		---		---		---	
Space Cooling	4.2		4.4		-0.2		---		---		---	
Indoor Fans	9.4		8		1.4		---		---		---	
Heat Rejection	---		---		---		---		---		---	
Pumps & Misc.	---		---		---		---		---		---	
Domestic Hot Water	2.8		2.8		0		---		---		---	
Indoor Lighting	1.8		1.5		0.3		---		---		---	
Flexibility	---		---		---		---		---		---	
EFFICIENCY TOTAL	25.5		18		1.5		0		0		0	
PHOTOVOLTAICS	---		---		---		---		---		---	
Batteries	---		---		---		---		---		---	
ENERGY USE SUBTOTAL	18.5		18		1.5		0		0		0	
Recycle	3.8		3.8		0		---		---		---	
Process	---		---		---		---		---		---	
Other Ltr	---		---		---		---		---		---	
Process Motors	---		---		---		---		---		---	
ENERGY USE TOTAL	22.3		21.8		1.5		0		0		0	

STATE OF CALIFORNIA Nonresidential Building Commissioning		CALIFORNIA ENERGY COMMISSION REC-001A	
<i>This document is used to demonstrate compliance with mandatory commissioning requirements for all new nonresidential buildings and hotel/motel or mixed use buildings with nonresidential spaces. This document does not demonstrate compliance with commissioning requirements within Title 24, Part II, which needs to be documented separately if they apply.</i>			
Project Name: SILVER CREEK K - TYPICAL CLASSROOM		Report Page: (Page 1 of 6)	
Project Address:		Date Prepared: 2023-01-11 11:15 AM PST-05:00	
A. GENERAL INFORMATION			
01	Project Location (city)	04	Building Size (ft ²)
	Perris		8100
02	Occupancy Type	05	Nonresidential Conditioned Floor Area (ft ²)
	Nonresidential		< 1000 ft ²
03	Project Type	06	HVAC System Type
	Newly constructed		Unitary or packaged equipment each serving one zone
		07	Climate Zone
			10
B. PROJECT SCOPE			
<i>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.</i>			
Commissioning Requirements per 120.8			
01	Table G: Owner Review Kickoff	120.8(a)(1) & 120.8(b)(2)	The design review kickoff meeting establishes who will play the role of the design reviewer, the project schedule and identify owner's responsibilities. This meeting should be conducted during schematic design.
02	Table G: Design Review Project Requirements (DPR)	120.8(b)(3)	This requirement does not apply.
03	Table E: Basis of Design (BOD)	120.8(c)	This requirement does not apply.
04	Table I: Design Review	120.8(d) & 120.8(e)	The design reviewer(s) reviews the construction documents for clarity, completeness, and adherence to the owner's goals. Commissioning reviews must be included in the construction documents to facilitate the design review and commissioning process. For projects with >> 10,000 ft ² 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 development.
05	Table I: 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.

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

CA Building Energy Efficiency Standards – 2019 Nonresidential Compliance
Report Version: 2022.2.0.00
Report Generated: m/ 2023/01/11
Compliance ID: 8955-03-075-000
Report Generated: 2023-01-11 11:05:28 AM

STATE OF CALIFORNIA

Nonresidential Building Commissioning

SALVADOR

NONRESIDENTIAL BUILDING COMMISSIONING

CERTIFICATE OF COMPLIANCE

Project Name:

SILVER CREEK PK - TYPICAL CLASSROOM

Report Page:

Project Address:

Date Prepared:

2023-01-31 11:18:26-05:00

Page 2 of 6

NRBC-CER-01

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with commissioning requirements per 1203.8. 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 Report	Owner's Project Requirements	Basis of Design	Design Review	Commissioning Plan	Functional Performance Testing	Documentation and Training	Commissioning Report	Compliance Results
Table F	Table G	Table H	Table I	Table J	Table K	Table L	Table M	
Yes			Yes					COMPLIES
10	Design Review(s) for the project include: John Startin							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.

--

Registration Number:

Generation Date/Time:

Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards 2022 Nonresidential Compliance

Report Version: 2022.0.000

Compliance ID: 80654-03-03005

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

[illegible]

STATE OF CALIFORNIA Nonresidential Building Commissioning		CALIFORNIA ENERGY EFFICIENCY CERTIFICATE OF COMPLIANCE	
Project Name: SILVER CREEK PK - TYPICAL CLASSROOM		Report Page: (Page 4 of 6) NREC-2308-5	
Project Address:		Date Prepared: 2023-01-31T18:52:26-08:00	

F. DESIGN REVIEW KICKOFF MEETING	
13 Insewerage 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.	

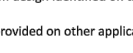
H. BASIS OF DESIGN (BOD)	
This section does not apply to this project.	

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(c). For buildings with >= 10,000 R ² 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 R ² conditioned floor area, the design review will ensure the construction documents meet the goals documented in Table I. during the Design Review Kickoff!					
01. Attaching Completed Design Review Documentation?	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; border-bottom: 1px solid black;">YES</td> <td style="width: 50%; text-align: center; border-bottom: 1px solid black;">NO</td> </tr> <tr> <td style="text-align: center;">●</td> <td style="text-align: center;">●</td> </tr> </table>	YES	NO	●	●
YES	NO				
●	●				

Design Review Checklist	
02. Insewerage Goals	The design represents the typical PK-building design with updates [as applicable] for the 2022 code cycle.
03. HVAC System Design	The design represents the typical PK-building design with updates [as applicable] for the 2022 code cycle.
04. HVAC Controls Design	The design represents the typical PK-building design with updates [as applicable] for the 2022 code cycle.
05. Indoor Lighting System Design	The design represents the typical PK-building design with updates [as applicable] for the 2022 code cycle.
06. Indoor Lighting Controls Design	The design represents the typical PK-building design with updates [as applicable] for the 2022 code cycle.

Registration Number:	Generated/ Date:	Documentation Software/ Version/ Code
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2022.0.00 Schema Version: rev.2020/01/1	Report Number: 85658-0723-0028 Report Generated: 2023-01-31 15:53:28

STATE OF CALIFORNIA Nonresidential Building Commissioning		CALIFORNIA ENERGY COMMISSION NREC-CERES
CERTIFICATE OF COMPLIANCE Project Name: SILVER CREEK PK. - TYPICAL CLASSROOM		Report Page: (Page 5 of 6)
Project Address:		Date Prepared: 2023-01-31 11:18:25-05:00
I. CONSTRUCTION DOCUMENT DESIGN REVIEW CHECKLIST		
01 Outdoor Lighting System and Controls Design 06 Water Heating System Design 09 Other Systems and Features	The design represents the typical PK building design with updates (as applicable) for the 2022 code cycle. The design represents the typical PK building design with updates (as applicable) for the 2022 code cycle. The design represents the typical PK building design with updates (as applicable) for the 2022 code cycle.	
J. COMMISSIONING PLAN This section does not apply to this project.		
K. FUNCTIONAL PERFORMANCE TESTING This section does not apply to this project.		
L. DOCUMENTATION AND TRAINING This section does not apply to this project.		
M. COMMISSIONING REPORT This section does not apply to this project.		
N. DECLARATION OF REQUIRED CERTIFICATIONS OF INSTALLATION There are no forms required for this project.		
O. DECLARATION OF REQUIRED CERTIFICATIONS OF ACCEPTANCE There are no forms required for this project.		

STATE OF CALIFORNIA Nonresidential Building Commissioning		CALIFORNIA ENERGY COMMISSION NBC-CERES	
CERTIFICATE OF COMPLIANCE			
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page:	(Page 6 of 6)
Project Address:		Date Prepared:	2023-01-31 18:26:29-05:00
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT			
I certify that this Certificate of Compliance documentation is accurate and complete.			
Documentation Author Name: Ryan McIntosh		Signature Date: 10-20-2023	
Company: Silver Creek Industries, LLC		Date of Certification Declaration (if applicable): 10/20/2023	
City/State: Perris/CA92371		Phone: (951) 943-5301	
RESPONSIBLE PERSON'S DECLARATION STATEMENT			
I certify the following under penalty of perjury, under the laws of the State of California:			
1. The information provided on this Certificate of Compliance is true and correct.			
2. I declare under penalty of perjury that I am the Business and Professions Code 49500 responsible signatory for the building design or system design identified on this Certificate of Compliance (responsible designer)			
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of the Part 1 and 1.6 of the California Code of Regulations.			
4. The building design features or system features, features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.			
5. I will ensure that a completed signed copy of this Certificate of Compliance that is made available with the building permit(s) issued, and made available to the enforcement agency for all applicable projects and specifications submitted to the enforcement agency for approval with this building permit application.			
Responsible Designer Name: John Starnes		Responsible Designer Signature: 	
Company: Silver Creek Industries, LLC		Date Signed: 10/20/2023	
City/State: Perris/CA92371		Phone: (951) 943-5301	

STATE OF CALIFORNIA Electrical Power Distribution		MISC C&M-1 CALIFORNIA ENERGY COMMISSION	
CERTIFICATE OF COMPLIANCE			
This document is used to demonstrate compliance with mandatory requirements in 130.5, for electrical systems in newly constructed nonresidential and hotel/motel occupancies and 160.6 and 160.9 for electrical systems in newly constructed multifamily occupancies. Additions and alterations to electrical service systems in nonresidential and hotel/motel occupancies will also use this document to demonstrate compliance per 411.00(a) for 141.00(b)(4) for alterations. For multifamily additions or alterations compliance will be documented per 180.1(a) for 180.2 (3b)(4).			
Project Address: SILVER CREEK PK - TYPICAL CLASSROOM	Report Date: Date Prepared:	[Page 4 of 4] 2023-03-31T18:53:05-08:00	
A. GENERAL INFORMATION			
01 Project Location (city) Perris	02 Climate Zone 10	03 Occupancy Types Within Project: Classroom	
B. PROJECT SCOPE			
This tab includes electrical systems that are within the scope of the permit application.			
	01 Scope of Work ¹	02 Utility Provider Metering System Exception to 120.5(A)(1) Exemption to 160.6(a) ²	03 System subject to CA Elec Code Article 57 Exemption to 130.5(a)(2) and 160.6(b)
Electrical Service Designation/ Description	Scope of Work ¹	Utility Provider Metering System Exception to 120.5(A)(1) Exemption to 160.6(a) ²	Demand Response Controls
Site feeder	AddG to feeders and branch circuits only	---	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based metering protocol which enables demand response after receiving a demand response signal. Sections 120.7.1 (a), 130.7.1 (a), and 160.3.1 (a), mechanical, interior lighting, and sign lighting Certificate of Compliance documents will indicate when demand response controls are required.
FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5.2 (a)(2), no other requirements from 130.5.2 (a)(2) are required. If common use areas in a multifamily are addressed, rating for a Submeter size serving common use area. A qualified (or city engineer) is providing a metering system that facilitates measurement of demand and load for utility-defined period.			

STATE OF CALIFORNIA Electrical Power Distribution		CALIFORNIA ENERGY COMMISSION NREG-E-CEC																											
CERTIFICATE OF COMPLIANCE		(Page 2 of 4)																											
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM		Report Date:																											
Project Address:		Date Prepared:	2023-01-31T18:53:58-05:00																										
C. COMPLIANCE RESULTS Results in this table are automatically calculated from data input and calculations in Tables F through J. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table F. Exceptional Conditions for guidance or see applicable table referenced below.																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th>01</th> <th>02</th> <th>03</th> <th>04</th> <th>05</th> <th>06</th> </tr> </thead> <tbody> <tr> <td>Service Electrical Monitoring 135 (See Table F)</td> <td>AND</td> <td>Separation for Monitoring 135 (See Table F)</td> <td>AND</td> <td>Voltage Drop 130 (See Table G)</td> <td>AND</td> <td>Controlled Receptacle 130 (See Table I)</td> <td>AND</td> <td>Electric Ready 160 (See Table J)</td> </tr> <tr> <td>(See Table F)</td> <td></td> <td>(See Table G)</td> <td></td> <td>Yes</td> <td></td> <td></td> <td></td> <td>COMPLIES</td> </tr> </tbody> </table>						01	02	03	04	05	06	Service Electrical Monitoring 135 (See Table F)	AND	Separation for Monitoring 135 (See Table F)	AND	Voltage Drop 130 (See Table G)	AND	Controlled Receptacle 130 (See Table I)	AND	Electric Ready 160 (See Table J)	(See Table F)		(See Table G)		Yes				COMPLIES
		01	02	03	04	05	06																						
Service Electrical Monitoring 135 (See Table F)	AND	Separation for Monitoring 135 (See Table F)	AND	Voltage Drop 130 (See Table G)	AND	Controlled Receptacle 130 (See Table I)	AND	Electric Ready 160 (See Table J)																					
(See Table F)		(See Table G)		Yes				COMPLIES																					
D. EXCEPTIONAL CONDITIONS This table is used-filled with verifiable comments because of selections made or data entered in tables throughout the form.																													
E. ADDITIONAL REMARKS This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.																													
H. VOLTAGE DROP This table includes results existing new or replacement electrical power distribution systems, or alterations that add, modify or replace both devices and branch circuits to demonstrate compliance with new 350.160 (660). For alterations, only the altered circuits must demonstrate compliance per 141.020(2)(H) or 180.203(4)(b)(iv).																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th>01</th> <th>02</th> <th>03</th> <th>04</th> <th>05</th> </tr> </thead> <tbody> <tr> <td>Electrical Service Designation/Description</td> <td>Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method</td> <td>Location of Voltage Drop Calculations*</td> <td>Sheet Number for Voltage Drop Calculations in Construction Documents</td> <td>Pass</td> <td>Fail</td> <td>Inspector</td> </tr> <tr> <td>Site feeder</td> <td> ☒ Voltage drop less than 5% ☐ Permitted by CA EEC to Exceed Code Calculation (See Table F) </td> <td>Contractor Responsible</td> <td></td> <td>☐</td> <td>☐</td> <td></td> </tr> </tbody> </table>						01	02	03	04	05	Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	Location of Voltage Drop Calculations*	Sheet Number for Voltage Drop Calculations in Construction Documents	Pass	Fail	Inspector	Site feeder	☒ Voltage drop less than 5% ☐ Permitted by CA EEC to Exceed Code Calculation (See Table F)	Contractor Responsible		☐	☐						
		01	02	03	04	05																							
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Site feeder	☒ Voltage drop less than 5% ☐ Permitted by CA EEC to Exceed Code Calculation (See Table F)	Contractor Responsible		☐	☐																								

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

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

[illegible]

STATE OF CALIFORNIA Electrical Power Distribution CERTIFICATE OF COMPLIANCE		CALIFORNIA ENERGY COMMISSION NRE-EC-E
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM	Report Page: 4 of 4	2023-01-31T18:53:58-08:00
Project Address:	Date Prepared:	
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT		
I certify that this Certificate of Compliance documentation is accurate and complete.		
Documentation Author Name: Ryan McIntosh Silver Creek Industries, LLC Address: 2830 Barnett Ave City/State: Pomona/CA92451		Documentation Author Signature:  Signature Date: 01-30-2023 Date NRE-EC Certificate Issued/Revised (if applicable): (None) 01-30-2023
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 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 the California Building Energy Efficiency Standards. 4. The building design features and 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 copy of this Certificate of Compliance shall be made available to the building permit(s) used for the building, and made available to the enforcement agency at any applicable time and location during the construction of the building. 6. I will ensure that a completed copy of this Certificate of Compliance is returned to the documentation author upon completion of the building project.		
Responsible Designer Name: John Stash Silver Creek Industries, LLC Address: 2830 Barnett Ave City/State: Pomona/CA92451		Responsible Designer Signature:  Sign Date: 01-30-2023 License: 2475 Phone: (951) 943-5393

An identification stamp from the Division of the State Architect. It contains the following text: "IDENTIFICATION STAMP", "DIV. OF THE STATE ARCHITECT", "APP: 01-122646 INC:", "REVIEWED FOR", "SS ☒ FLS ☒ ACS ☒", and "DATE: 11/26/2025".

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK 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:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

CERTIFICATE OF
COMPLIANCE FORMS

REVISIONS	
1	
2	
3	
4	
5	

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

A rectangular stamp with rounded corners, containing the following text: "APPROVED" at the top, "DIV. OF THE STATE ARCHIVES" below it, "APP# 04-122202 PC" in the middle, "REMOVED FOR" below that, a row of checkboxes for "SS", "SES", "AES", "CG", and "CG" (all checked), and "DATE: 10/10/2023" at the bottom. A large, thick red "X" is drawn over the entire stamp.



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL

<div style="display: flex; justify-content: space-between;"> STATE OF CALIFORNIA CALIFORNIA ENERGY COMMISSION </div> <h2 style="margin: 0;">Outdoor Lighting</h2> <div style="text-align: right; font-size: 0.8em; font-weight: normal;">REC-024</div>																					
<div style="display: flex; justify-content: space-between;"> THIS DOCUMENT IS USED TO DEMONSTRATE COMPLIANCE WITH REQUIREMENTS IN 110.9, 130.9, 130.2, 140.2, 140.7, AND 141.03(2), FOR OUTDOOR LIGHTING SCALES USING THE PRESCRIPTIVE PATH FOR NONRESIDENTIAL AND HOME/NETP OCCUPANCIES. IT IS ALSO USED TO DEMONSTRATE COMPLIANCE WITH REQUIREMENTS IN 170.7, 170.7(c), 180.1(s) AND 180.214(b)(4) FOR OUTDOOR LIGHTING SCALES USING THE PRESCRIPTIVE PATH FOR MIXED-USE AND MIXED-USE OCCUPANCIES. MULTIFAMILY INCLUDES DORMITORY AND SEMI-TRAILER FACILITIES. </div>																					
<div style="display: flex; justify-content: space-between;"> Project Name: SILVER CREEK PC - TYPICAL CLASSROOM/REPORTING Report Name: [REDACTED] </div>																					
<div style="display: flex; justify-content: space-between;"> Project Address: [REDACTED] Date Prepared: 2023-01-31 11:14:22-05:00 </div>																					
<h3>A. GENERAL INFORMATION</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 5px;">01. Project Location (city)</td> <td style="width: 30%; padding: 5px;">Peris</td> <td style="width: 10%; padding: 5px;">04. Total Illuminated Hardscape Area (ft²)</td> <td style="width: 30%; padding: 5px;">70</td> </tr> <tr> <td style="padding: 5px;">02. Climate Zone</td> <td style="padding: 5px;">[REDACTED]</td> <td colspan="2" style="padding: 5px;">05. Outdoor Lighting Zone per Title 24 Part 1, 130.134 or as designated by Authority Having jurisdiction (AHJ):</td> </tr> <tr> <td style="padding: 5px;">[REDACTED] 03.0 - Very Low - Undeveloped Parkland</td> <td style="padding: 5px;">[REDACTED] 03.2 - Moderately Urban - Suburban</td> <td colspan="2" style="padding: 5px;">[REDACTED] 03.4 - High - Must be reviewed by CA Energy Commission for Approval</td> </tr> <tr> <td style="padding: 5px;">[REDACTED] 03.1 - Low - Rural Areas</td> <td style="padding: 5px;">[REDACTED] 03.3 - Moderately High - Urban Areas</td> <td colspan="2"></td> </tr> <tr> <td colspan="4" style="padding: 5px;">06. Occupancy Types within Project</td> </tr> </table> <p>★ Classroom</p>		01. Project Location (city)	Peris	04. Total Illuminated Hardscape Area (ft ²)	70	02. Climate Zone	[REDACTED]	05. Outdoor Lighting Zone per Title 24 Part 1, 130.134 or as designated by Authority Having jurisdiction (AHJ):		[REDACTED] 03.0 - Very Low - Undeveloped Parkland	[REDACTED] 03.2 - Moderately Urban - Suburban	[REDACTED] 03.4 - High - Must be reviewed by CA Energy Commission for Approval		[REDACTED] 03.1 - Low - Rural Areas	[REDACTED] 03.3 - Moderately High - Urban Areas			06. Occupancy Types within Project			
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06. Occupancy Types within Project																					
<h3>B. PROJECT SCOPE</h3> <p>This table includes all outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance with the prescriptive path outlined in 140.7 / 170.210(s) and 141.03(2) / 180.214(b)(4) for alterations.</p> <p>My Project Consists of:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%; padding: 5px;">01</th> <th style="width: 30%; padding: 5px;">02</th> <th style="width: 40%; padding: 5px;"></th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;"> ☐ New Lighting System ☐ Altered Lighting System </td> <td style="padding: 5px;"> Must Comply with Allowances from 140.7 / 170.210(s) Is your alteration increasing the connected lighting load (Watts)? </td> <td style="padding: 5px;"> ☐ Yes ☒ No </td> </tr> <tr> <td style="padding: 5px;"> 03 % of Existing Luminaire Being Altered? </td> <td style="padding: 5px;"> 04 Sum Total of Luminaires Being Added or Replaced </td> <td style="padding: 5px;"> 05 Calculation Method </td> </tr> <tr> <td style="padding: 5px;"> ☐ < 10% ☐ < 10% and < 50% and < 50% </td> <td colspan="2" style="padding: 5px;"></td> </tr> </tbody> </table> <p>FOOTNOTES: % of Existing Luminaire Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within Scope of the Permit Application) x 100.</p>		01	02		☐ New Lighting System ☐ Altered Lighting System	Must Comply with Allowances from 140.7 / 170.210(s) Is your alteration increasing the connected lighting load (Watts)?	☐ Yes ☒ No	03 % of Existing Luminaire Being Altered?	04 Sum Total of Luminaires Being Added or Replaced	05 Calculation Method	☐ < 10% ☐ < 10% and < 50% and < 50%										
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STATE OF CALIFORNIA Outdoor Lighting <small>CERTIFICATE OF COMPLIANCE</small>		CALIFORNIA ENERGY EFFICIENCY <small>REGULATORY BOARD</small>	
Project Name: _____ Project Address: _____		SILENT CREEK PK - TYPICAL CLASSROOM Report Page: _____ (Page 2 of 8) Date Prepared: _____ 2023-03-31 18:24:22 (05:00)	

C. COMPLIANCE RESULTS

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

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.26(W) or 141.00(W) / 180.21(W)					Compliance Results			
G1	G2	G3	G4	G5	O7	O8	O9	
General Residential Allowance 140.7(W)/1 (See Table K)	+ Per Application 140.7(W) / 170.26(W) (See Table H)	+ Sales Footage 140.7(W)2 (See Table K)	+ Or Ornamental 170.26(W) (See Table L)	+ Per Specific Area 140.7(W)2 / 170.26(W) (See Table M)	OR Existing Power Allowance 141.00(W) / 180.21(W)2 (See Table N)	= Total Allowed (Watts)	≥ Total Actual (Watts)	07 must be = O8
≤ 245.06	+ 19	+ ---	+ ---	+ OR	=	277.06	≥ 30	COMPLIES

Shielding Compliance (See Table G for Details)

Controls Compliance (See Table H for Details)

D. EXCEPTIONAL CONDITIONS

This section is auto filled with uneditable comments because of selections made by the user entered in tables throughout the form.

Selectable items made in Certificates of Installation Table have been changed or data permitted in Table E. Additional Remarks for permit applicant's explanation.

E. ADDITIONAL REMARKS

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

(NRC-LTD-G1-E Explanation 1)

Registration Number:

Generated Date/Time:

Documentation Summary: Energy Code Add

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance

Report Version: 2022.0400
Schema Version: vey.2022001

Compliance ID: #R048-B123-0007
Report Generated: 2023-03-31 15:54:34

PAGE OF OUTDOOR LIGHTING		CALIFORNIA ENERGY CODE							
PROJECT INFORMATION		MEC-2024							
Project Name:	SILVER CREEK PK - TYPICAL CLASSROOM	Report Page:	(Page 3 of 8)						
Project Address:		Date Prepared:	2023-03-18 13:54:22 05:00						
F. OUTDOOR LIGHTING FIXTURE SCHEDULE New or altered lighting system demonstrating compliance with 140.7.17.2(c)(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 141.05(d), only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (i.e., existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting is not attached to multiunit buildings and controlled from the inside of a dwelling unit are not included here. All other multifamily occupancy lighting is included here.									
Designed With:									
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
Name or Item Tag	Complete Luminaires Description	Watts per luminaire**	How it Was Installed	Total Number Luminaires*	Luminaire Status†	Excluded per 140.7(b)/ 17.2(c)(6A)	Design Watts	Cutoff Angle > 6,200 initial lumen output 130.2(b)/ 160.5(c)	Field Inspector
F-1	0 Watt LED Wallpack ☐ Linear	30	Mim. Spec.	1	New	☒	30	NA < 6000 lumens	Pass Fail
Total Design Watts:							30		
* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved. † If Luminaire is being removed, select DELETED (per 130.2(b)) ** FOOTNOTES: Authority having jurisdiction may allow luminaires that differ in conform wattage used for compliance per 130.0(c)(10.1)(58) * For linear luminaires, wattage should be indicated as MW instead of watts/luminaire. Total lamp power should be indicated in column Q5 instead of number of luminaires. † 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 to Remove" for existing luminaires which are being removed and replaced as part of the project scope. * Compliance with mandatory shielding requirements is required for luminaires with initial lumens output > 6,200 lux unless exempted by 130.2(b)/ 160.5(c)									
G. SHIELDING REQUIREMENTS (BUG) (This section does not apply to this project.)									

STATE OF CALIFORNIA Outdoor Lighting <small>CERTIFICATE OF COMPLIANCE</small>		ILLINOIS COUNTY SAN JOAQUIN ENERGY COMMISSION																					
Project Name:	SILVER CREEK PK - TYPICAL CLASSROOM	Report Page:	(Page 4 of 8)																				
Project Address:			2023-03-31T18:54:22-05:00																				
<p>HL OUTDOOR LIGHTING CONTROLS</p> <p>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 pending to remain (ie unswitched) and luminaires which are removed and reinstalled (being only) do not need to be included in this table even if they are within the space covered by the permit application.</p> <p>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.</p> <p>Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 35%;">O1</th> <th style="width: 15%;">O2</th> <th style="width: 15%;">O3</th> <th style="width: 15%;">O4</th> <th style="width: 20%;">O5</th> </tr> </thead> <tbody> <tr> <td style="height: 40px; vertical-align: top;">Area Description</td> <td style="vertical-align: top;">Shut-Off 130.2(c)/130.5(c)</td> <td style="vertical-align: top;">Auto-Schedule 130.2(c)/160.5(c)</td> <td style="vertical-align: top;">Motion Sensor 130.2(c)/160.5(c)</td> <td style="vertical-align: top;">Field Inspector</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">Pass Fail</td> </tr> <tr> <td style="text-align: center;">Entry "Test 1"</td> <td style="text-align: center;">Photocell</td> <td style="text-align: center;">Provided</td> <td style="text-align: center;">NA- Facade, etc. => N/A</td> <td style="text-align: center;"> ☐ ☒ </td> </tr> </tbody> </table> <p><small>* FOOTNOTES: Test 1 has been abbreviated, please refer to table HL63.4-A to confirm compliance with the specific light source technologies listed. * Required jurisdiction may vary for customers or other documentation to verify compliance of light source. * Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are exempted from a and ii.</small></p>				O1	O2	O3	O4	O5	Area Description	Shut-Off 130.2(c)/130.5(c)	Auto-Schedule 130.2(c)/160.5(c)	Motion Sensor 130.2(c)/160.5(c)	Field Inspector					Pass Fail	Entry "Test 1"	Photocell	Provided	NA- Facade, etc. => N/A	☐ ☒
O1	O2	O3	O4	O5																			
Area Description	Shut-Off 130.2(c)/130.5(c)	Auto-Schedule 130.2(c)/160.5(c)	Motion Sensor 130.2(c)/160.5(c)	Field Inspector																			
				Pass Fail																			
Entry "Test 1"	Photocell	Provided	NA- Facade, etc. => N/A	☐ ☒																			

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

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 | Schema Version: rev 20230101
 Compliance ID: R6463-013-007 | Report Generated: 2023-03-31 15:54:24

STATE OF CALIFORNIA Outdoor Lighting CERTIFICATE OF COMPLIANCE		NCEC2021 CALIFORNIA ENERGY COMMISSION	
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page:	(Page 5 of 8)
Project Address:		Date Prepared:	2022-01-31 15:54:22 05.00

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))											
<p>This table includes areas using allowance calculations per 140.7 / 170.2(e). 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-A while "Use it or lose it" allowances are being used to support 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.</p> <p>Outdoor lighting attached to multiple 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.</p> <p>Calculated General Hardship Lighting Power Allowance per Table 140.7-A for Nonresidential and Hotel/Motel</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; text-align: center;">01</td> <td style="width: 75%;"> ☐ "Use it or lose it" Allowance (select all that apply) (select all that apply) </td> </tr> <tr> <td style="text-align: center;"> ☐ General Hardship Allowance Table 1 (below) </td> <td style="text-align: center;"> ☐ Per Application Table 1 </td> </tr> <tr> <td></td> <td style="text-align: center;"> ☐ Sales Floor Table K </td> </tr> <tr> <td></td> <td style="text-align: center;"> ☐ Ornamental Table L </td> </tr> <tr> <td></td> <td style="text-align: center;"> ☐ Per Specific Area Table M </td> </tr> </table>	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 Floor Table K		☐ Ornamental Table L		☐ Per Specific Area Table M
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 Floor Table K										
	☐ Ornamental Table L										
	☐ Per Specific Area Table M										

	02	03	04	05	06	07	08	09
	Area Wattage Allowance (AWA)							
Area Description	Illuminated Area (sq ft)	Allowed Density (W/ft ²)	Area Allowance (Watts)	Area Allowance (Watts)	Perimeter Length (ft)	Allowed Density (W/ft)	Linear Allowance (Watts)	Total General AWA + LWA (Watts)
Entry	60	0.021	1.26	34	0.2	6.8	8.06	
Initial Wattage Allowance for Entire Site (Watts)								250
Instances of Initial Wattage Allowance (L2 only) (Watts)								
Total General Hardship Allowance (Watts)								258.06

STATE OF CALIFORNIA Outdoor Lighting CERTIFICATE OF COMPLIANCE		SILVER CREEK PC – TYPICAL CLASSROOM Report Prepared: _____ Project Address: _____ Date Reported: _____		NCEC (C) _____ CALIFORNIA ENERGY SOLUTIONS INC. 2023-01-31 13:54:22 (05:06)	
---	--	---	--	---	--

J. LIGHTING ALLOWANCE: PER APPLICATION										
This table includes areas using the wattage allowance per application from Table 140.7.8 / Table 170.2.5.										
01	02	03	04	05	06	07	08	09	10	
		CALCULATED ALLOWANCE (Watts)			DESIGN WATTS					
Area Description	Application per Table 140.7.8 ¹	# of Locations	Allowance per Location ²	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	Additional Allowance (Watts)	
Entry Door	Building Entrance/Exit	1	19	19	F-1	30	1	30	19	
Total Design Watts for this Area:								30		
									Total Allowance (Watts) All Areas:	19

¹ FOOTNOTES: Primary entrance applications are only available for senior care facilities, healthcare facilities, police stations, hospitals, fire stations, and emergency vehicle facilities.
² The Allowance per Location for ATMs is 100W for the first ATM and \$5W for each additional per Table 140.7.8 / Table 170.2.5.
 * For luminaires installed in Table F-1 series, wattage in column 07 is 1/2 of listed Watts/Luminaire. Total linear feet should be indicated in column 08 instead of number of luminaires.

K. LIGHTING ALLOWANCE: SALES PROMOTION This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL This section does not apply to this project.
--

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only) This section does not apply to this project.
--

Registration Number: _____	Generated Date/Time: _____	Documentation Software: Energy Code App
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2023.00.000 Schema Version: 02.000003	Compliance ID: 06055-023-001-0007 Report Generated: 2023-01-31 15:54:34

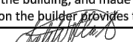
STATE OF CALIFORNIA Outdoor Lighting		CALIFORNIA ENERGY COMMISSION	
CERTIFICATE OF COMPLIANCE		NRC-1224-1	
Project Name:	SILVER P.C. - TYPICAL CLASSROOM	Report Page:	(Page 7 of 8)
Project Address:		Date Prepared:	2023-01-31 13:54:22 05:00

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION		
Form/Title		
NRC-1224-1 - Must be submitted for all buildings.		

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE		
Form/Title		Systems/Spaces To be Field Verified
NRC-1224-2 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		NCEC (CAL)
Project Name: SILVER CREEK PK - TYPICAL CLASSROOM	Report Date:	(Page 4 of 8)
Project Address:	Date Prepared:	2023-03-31 18:54:22 (UTC)

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Ryan McIntosh Silver Creek Industries, LLC Address: 2830 Barnett Ave City/State: Perris/CA 92571	Documentation Author Signature:  Signature Date: 10-10-2023 (CA) VER Certificate Identification (if applicable): Permit #: (951) 943-5391

RESPONSIBLE PERSON'S DECLARATION STATEMENT	
I certify the following under penalty of perjury, under the laws of the State of California:	
1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 5 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 conforms to the requirements of the building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, and specifications submitted to the enforcement agency for approval with this building permit application. 4. I warrant that a completed signed copy of this Certificate of Compliance that can be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable projects. I understand that a completed signed copy of this Certificate of Compliance is required for the Certificate of Compliance to be included with the building permit or the enforcement agency.	Responsible Designer Name:  Signature Date: 10-10-2023 License: 2475 Permit #: (951) 943-5391
Documentation Author Name: Ryan McIntosh Address: 2830 Barnett Ave City/State: Perris/CA 92571	

STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION	
Domestic Water Heating System		MSR-134	
CERTIFICATE OF COMPLIANCE			
<p>This document is used to demonstrate compliance for nonresidential occupancies with requirements in 110.1, 110.3, 120.3, and 340.5, and with requirements in 141.0 for additions and alterations, for domestic water heating systems using the prescriptive path. For high-rise residential and hotel/occupancy compliance is demonstrated with requirements in 110.1, 110.3, 160.4 and 170.26, and with requirements 180.1 for additions and 180.2 for alterations.</p>			
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM		Project Phase: (Page 4 of 4)	
Project Address:		2012-02-02T16:17:35-07:00	
A. GENERAL INFORMATION			
01	Project location (city)	02	Climate Zone
03	Occupancy Types Within Project (select all that apply):	04	
☐ Classroom sinks and restroom lavatories			
B. PROJECT SCOPE			
<p>This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in 140.2/ 170.2(6) and 141.0(2)/ 180.1, and in 141.0(2)(D) / 180.2 for additions or alterations. Solar water heating systems are documented on the NREC-SAC compliance document. Combined hydronic water heating systems are documented on the NREC-MAC compliance document.</p>			
My project consists of (check all that apply):		01	03
		System Type ^{1,2}	System Components
☒ New system (DHW system being installed for the first time in newly constructed building)		Individual System (serving nonresidential spaces)	☒ Equipment ☒ Distribution ☒ Controls
☐ System Alteration (equipment being installed or first time in existing building)			☐ Equipment ☐ Distribution ☐ Controls
<p>FOOTNOTES: Point of view serving two or more dwellings, or other non-residential systems used to serve nonresidential guest rooms, are considered individual systems. Individual systems refers to hotel/motel/guest room units in a multifamily residential occupancy.</p> <p>FOOTNOTES: Point of view serving two or more dwellings units are considered "central systems" for multifamily occupancies</p>			
C. COMPLIANCE RESULTS			
<p>Table C-1 indicates if the project data input into the compliance document is compliant with water heating requirements, if table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table 2, or the table indicated as not compliant for guidance.</p>			
01	02	03	04
Domestic Hot Water Equipment	Distribution Systems	Controls	Compliance Results

STATE OF CALIFORNIA Domestic Water Heating System										CALIFORNIA ENERGY COMMISSION NRC 18-3	
ESTIMATE OF COMPLIANCE										Report Date: Page 2 of 6	
Project Name:		SILVER CREEK PC - TYPICAL CLASSROOM				Date Prepared:		2023-02-16T13:35:05-0800			
Project Address:											
[E. ADDITIONAL REMARKS] This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.											
[F. DOMESTIC HOT WATER EQUIPMENT] This table is used to demonstrate compliance with mandatory equipment requirements in 110.1 and 110.3. Compliance with prescriptive requirements in 140.5(c) / 170.2(c) must also be demonstrated and with 141.8 / 180.1 / 180.2 for addition and alteration scopes. Equipment Schedule: Water Heating Efficiency and Standby Loss											
		D3		D4		D5		D6			
System Name	WH-1	Exception to 140.5(c) / 170.2(d)		Exceptions Do Not Apply		Gas Service Water Heating System = 1MMBtu/yr		Capacity-weighted Average Efficiency %			
07	08	09	10	11	12	13	14	15	16	17	18
Name or Item Tag	Equipment Type	Volume [L]	Rated Input Capacity [Btu/h]	Rated Input Hour Rating (FHR)	Rated Efficiency	Minimum Efficiency Required	Efficiency Unit	Designed Standby Loss	Maximum Standby Loss		
WH-1	Consumer Rated Instantaneous <=12000L	<=2	10,264	0 - GPM <1.7	0.91	0.91	UEF				
*FOOTNOTES: In systems = 1MMBtu/yr with multiple units, gas water heaters with input capacity > 100,000 Btu/hr may meet 80% EUE requirements via an input capacity-weighted average.											
Water Heating Equipment All Occupancies											
18	☐	☐	☐	☐	Requirement						
19	☐	☐	☐	☐	Unfired storage tank insulation shall have Internal + External >=16.0R External >=3.5. Label required per 130.1(c)						
20	☐	☐	☐	☐	New state buildings 60% of energy for service water heating from solar energy or recovered energy per 130.1(c)						
21	☐	☐	☐	☐	Isolation valves for instantaneous water heater with input rating >=6.8 MBtu/hr or 2 kW has been specified per 130.1(c)						
22	☐	☐	☐	☐	School buildings > 25,000 ft ² and 4 stories must install a heat pump water heating system per 140.5(d). Water heating systems serving an individual bathroom space may be an instantaneous electric water heater.						
Registration Number:		Generated Date/Time:				Documentation Source: Energy Code Ab					
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance		Report Version: 2022-00-0000				Schemas Version: 2022-00-0000				Compliance ID: 06683-2023-0000	
										Report Generated: 2023-02-16T13:35:05	

<div style="display: flex; justify-content: space-between;"> STATE OF CALIFORNIA DOMESTIC WATER HEATING SYSTEM </div>		<div style="display: flex; justify-content: space-between;"> CALIFORNIA ENERGY COMMISSION REC-23-01 </div>	
<div style="display: flex; justify-content: space-between;"> CONTRACT OF COMPLIANCE REPORT DATE: </div>			
Project Name:	SILVER CREEK CP - TYPICAL CLASSROOM	Report Date:	(Page 6 of 6)
Project Address:		Date Prepared:	2023-02-01 16:31:35 (15:05:00)
<p>G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM</p> <p>This table is used to demonstrate compliance for nonresidential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and hotels/motel occupancies, compliance is demonstrated with requirements 110.3(c)(1), 160.4, & 170.2(b).</p> <p>Mandatory Pipe Installation All Occupancies</p> <p>For systems serving dwelling units, pipe installation must meet the minimum installation requirements in Table 160.4-A (see below) except:</p> <ul style="list-style-type: none"> ▶ Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetration. Piping that penetrates metal framing or steel grommets, plugs, wedges or other insulating material to assure that no contact is made with the metal framing insulation shall cut securely against all framing members. ▶ Piping installed in interior or exterior walls shall not be required to have pipe insulation if all of the requirements are met for compliance with Required Installation Installation (QII) as specified in the Reference Residential Appendix RA3.5. ▶ Piping surrounded with a minimum of 1 inch of wall insulation, 2 inches of crawlspace insulation, or 4 inches of attic insulation, shall not be required to have pipe insulation. <p>For systems serving nonresidential spaces, pipe installation for the following applications is specified to comply with Table 120.3-A (see below) per 120.3:</p> <ul style="list-style-type: none"> ▶ Recirculating system piping, including supply and return piping of the water heater ▶ The first 8 ft of hot and cold outlet piping, including between storage tank and hot trap, for a nonrecirculating storage system ▶ Pipes that are externally heated <p>Insulation shall be protected from abuse, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per 120.3(b) & 160.4(f). Pipe insulation buried below grade must be installed in a water proof and non-creosoting caulk or sheave.</p>			
<p>TABLE 120.3-A / 160.4-A PIPE INSULATION THICKNESS</p>			
Fluid Temperature (°F)	Conductivity Range (lb-in/hr per °F-in) or R-Value	Insulation Mean Rating Temp (°F)	Nominal Pipe Diameter (in)
			1.5 to < 4 1.5 to < 4 1.5 to < 4 Minimum Insulation Required Minimum Insulation Required Minimum Insulation Required
105-140	0.22 - 0.28	100	1.0 in or R-7.7 1.5 in or R-11 1.5 in or R-11 2.0 in or R-16

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

Generated Report Date/Time: 2022.0000
 Report Number: 2023-02-01 15:11:38

Documentation Source: Energy Code Ace

DOMESTIC WATER HEATING SYSTEM

CALIFORNIA ENERGY COMMISSION
REPORT GENERATED: 2023-02-02 13:13:58

PROJECT INFORMATION
 Project Name: SILVER CREEK PK - TYPICAL CLASSROOM
 Project Address:

REPORT INFORMATION
 Report Page: (Page 4 of 6)
 Date Prepared: 2023-02-02 13:16:17-05:00

REMARKS

H. DOMESTIC HOT WATER CONTROLS

This table is used to demonstrate compliance with control requirements in 110.9.3 for all occupancies. For multifamily residential and hotel/motel occupancies, compliance is also demonstrated with requirements in 160.46.1, 170.2-3(6).

No	Yes	No	Not Applicable	Requirement
01	☒	☐	☐	Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per 110.9.3(a).
02	☐	☐	☒	Systems with capacity >= 347,000 BTU/h equipped with outlet temperature controls per 110.9.3(c)1 unless covered by California Plumbing Code 613.0.
03	☐	☐	☒	Controls for circulating pumps or electrical heat water systems are capable of automatically turning off the system per 110.9.3(c)2, unless systems serve hotel/motel facility.
04	☐	☐	☒	For recirculation systems serving multiple dwelling units, design includes automatic pump controls per 170.2(c) or 180.1(3) for add-on.
05	☐	☐	☒	For recirculation systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix 4.4.9 per 170.2(c).
06	☐	☐	☒	Combustion air pressure shall be >= 2.5 mmH ₂ O at all newly installed commercial boilers as follows: • Boilers with input capacity >= 3.5 MBtu/h, in which the boiler is designed to operate with a nonpositive vent static pressure. • Boilers where one stack serves two or more boilers with a total combined input capacity per stack of 2.5 MBtu/h. • Boiler combustion air fans with motor >= 1/2 hp shall meet the following: • The fan motor shall be driven by a variable speed drive OR • The fan motor shall include controls that limit the fan motor demand to <=30% of the total design wattage & 50% of the design air volume.
07	☐	☐	☒	Newly installed boilers with an input capacity (67 gts) 55MBtu/h and a steady state full-load combustion efficiency < 90% shall maintain excess (stack-gas) oxygen concentration <= 5% by volume on a dry basis over firing rates of 2.0 - 10.000. Combustion air intake shall be controlled with respect to firing rate or fuel gas oxygen concentration. Use of a combustion gas and combustion air control linkage or rack-gas is prohibited.
08	☐	☐	☒	

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title

NRC-PUR-E - Must be submitted for all buildings

Generated Date/Time: 2022.0000
 Schema Version: 00.2023.01.01

Documentation Source: Energy Code Ace

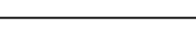
CA Building Energy Efficiency Standards - 2022 Nonsidential Compliance

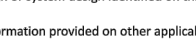
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 Schema Version: 00.2023.01.01

Compliance to: 06043-0203-0009
 Report Generated: 2023-02-02 13:13:58

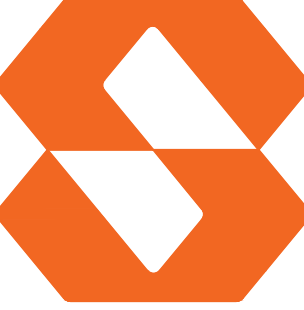
STATE OF CALIFORNIA Domestic Water Heating System		CALIFORNIA ENERGY COMMISSION NREC-PH-81
CERTIFICATE OF COMPLIANCE		
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page: (Page 5 of 6)
Project Address:	Date Prepared:	2023-02-02 16:35:45:00
 J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE		
There are no forms required for this project.		
 K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION		
There are no forms required for this project.		

STATE OF CALIFORNIA Domestic Water Heating System		CALIFORNIA ENERGY COMMISSION NCEC-BJ-3	
CERTIFICATE OF COMPLIANCE		(Page 6 of 6)	
Project Name:	SILVER CREEK PC - TYPICAL CLASSROOM	Report Page:	
Project Address:		Date Prepared:	2023-02-02 17:35:45 (UTC)

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Ryan Michotson Company: Silver Creek Industries, LLC Address: 2824 Barnard Ave City/State: Pomona/CA92421	Signature Date:  10-19-2023 EAC Web Certification (Signature If applicable): (None) (951) 943-5393

RESPONSIBLE PERSON'S DECLARATION STATEMENT	
I certify the following water efficiency of priority 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 7 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of the ASHRAE 90.1-2010 and all other applicable codes. 4. The building design features and system design features identified on this Certificate of Compliance are consistent with the information provided on applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I am not a responsible person for the building design or system design identified on this Certificate of Compliance and the building permit application. I am aware that a completed copy of this Certificate of Compliance and must be made available to the building permit applicant and the building permit holder, 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 for the Certificate of Compliance to be included with the building permit or occupancy application.	Responsible Designer Signature:  Signature Date: 10-19-2023 Responsible Designer Name: Ryan Michotson License: 2475 License Exp: 10-19-2026 (None) (951) 943-5393
Company: Silver Creek Industries, LLC Address: 2824 Barnard Ave City/State: Pomona/CA92421	

Registration Number:	Generated Date/Time:	Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance	Report Version: 2023.03.00 Schema Version: 2023.03.00	Compliance ID: 06868-23-03-0009 Report Generated: 2023-02-02 17:35:45

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PROJECT SPECIFIC STATE AGENCY APPROVAL	
<p>THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK MODULAR, INC (SCM Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCM Inc.</p> <p>ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCM Inc SHALL BE THE PROPERTY OF SCM Inc</p>	
PROJECT NAME:	
<p style="font-size: 1.2em; margin: 0;">SOUTH SAN FRANCISCO U.S.D.</p> <p style="font-size: 1.2em; margin: 0;">U.S.D.</p> <p style="font-size: 1.2em; margin: 0;">SAN FRANCISCO H.S.</p>	
SHEET TITLE:	
<h1 style="margin: 0;">CERTIFICATE OF COMPLIANCE FORMS</h1>	
<div style="text-align: center;"> REVISIONS <div style="display: flex; flex-direction: column; align-items: center;"> <div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin-bottom: 2px;">1</div> <div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin-bottom: 2px;">2</div> <div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin-bottom: 2px;">3</div> <div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center; margin-bottom: 2px;">4</div> <div style="border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">5</div> </div> </div>	
<p style="text-align: center;">PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC</p> <p style="text-align: center;">A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED</p>	
<div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 0 auto; width: 80%;"> <p style="margin: 0;">APPROVED DIV. OF THE STATE ARCHITECT</p> <p style="margin: 5px 0;">APP: 04-122602 PC _____</p> <p style="margin: 0;">REVIEWED FOR</p> <p style="margin: 5px 0;">SS ☒ FLS ☒ ACS ☒ CG ☒</p> <p style="margin: 0;">DATE: 10/10/2023</p> </div>	
PC STATE AGENCY APPROVAL	
 <p style="font-size: 1.5em; font-weight: bold; margin: 10px 0;">Silver Creek</p> <p style="margin: 0;">2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211</p>	
MODULAR BUILDING DESIGN PROFESSIONAL	
	
<p>SILVER CREEK INDUSTRIES</p> <p>24' x 60' PC</p>	
PROJECT NO:	
DRAWN BY:	
SCALE: AS NOTED	
DATE: 09-19-2023	
P.C. SHEET NUMBER	
<h1 style="margin: 0;">A-0.6B</h1>	

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-B

Project Name: 40- PC-PV/Report Page: (Page 5 of 6)

Project Address: Date Prepared: 2023-02-17T16:05:07-05:00

This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.10/170.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 170.2(d)(3C) for multifamily and hotel/motel occupancies. When PV/battery/solar thermal requirements don't apply or are traded using the performance approach, this document demonstrates compliance with mandatory solar readiness requirements in 110.10/160.8 for newly constructed buildings which are either multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance with solar readiness in 110.10/160.8 for additions to nonresidential, multifamily or hotel/motel building types which add more than 2,000 ft² of roof area. Alterations, or additions of less than 2,000 ft² of roof area, are not required to comply with solar readiness, solar PV and battery requirements and do not need to complete this document.

Project Name: 40- PC-PV/Report Page: (Page 1 of 5)

Project Address: Date Prepared: 2023-02-17T16:05:07-05:00

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)

4800

06 Number of Stories

Blgd <= 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)

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

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

The total of all available Solar Access Roof Area(s) of the project site is less than three percent of the conditioned floor area as documented in Table J.

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

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

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

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

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

The project has a roof design where the enforcement authority has verified it is not possible for the PV system, including panels, modules, components, supports, and attachments to the roof structure, to meet ASCE 7-16 Chapter 7, Snow Loads.

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

The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNEM) or community solar program.

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

The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNEM) 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

Schema Version: rev 20220101

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

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-B

Project Name: 40- PC-PV/Report Page: (Page 5 of 6)

Project Address: Date Prepared: 2023-02-17T16:05:07-05:00

This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.10/170.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 170.2(d)(3C) for multifamily and hotel/motel occupancies. When PV/battery/solar thermal requirements don't apply or are traded using the performance approach, this document demonstrates compliance with mandatory solar readiness requirements in 110.10/160.8 for newly constructed buildings which are either multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance with solar readiness in 110.10/160.8 for additions to nonresidential, multifamily or hotel/motel building types which add more than 2,000 ft² of roof area. Alterations, or additions of less than 2,000 ft² of roof area, are not required to comply with solar readiness, solar PV and battery requirements and do not need to complete this document.

Project Name: 40- PC-PV/Report Page: (Page 1 of 7)

Project Address: Date Prepared: 2023-02-17T16:05:04-05:00

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

SEA/HER Certification Identification (if applicable):

Address: 2830 Barrett Ave

City/State/Zip: Perris/CA/92571

Phone: (951) 943-5393

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 1 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of 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 the 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 for path(s) eligible to the building owner at occupancy.

Responsible Designer Name: John Steffen

Responsible Designer Signature: [Signature]

Signature Date: 02-20-2023

SEA/HER Certification Identification (if applicable):

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

Report Version: 2022.0.000

Compliance ID: 90125-0223-0002

Schema Version: rev 20220101

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

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-B

Project Name: 40- PC-Solar Ready/Report Page: (Page 3 of 7)

Project Address: Date Prepared: 2023-02-17T16:05:04-05:00

This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.10/170.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 170.2(d)(3C) for multifamily and hotel/motel occupancies. When PV/battery/solar thermal requirements don't apply or are traded using the performance approach, this document demonstrates compliance with mandatory solar readiness requirements in 110.10/160.8 for newly constructed buildings which are either multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance with solar readiness in 110.10/160.8 for additions to nonresidential, multifamily or hotel/motel building types which add more than 2,000 ft² of roof area. Alterations, or additions of less than 2,000 ft² of roof area, are not required to comply with solar readiness, solar PV and battery requirements and do not need to complete this document.

Project Name: 40- PC-Solar Ready/Report Page: (Page 1 of 7)

Project Address: Date Prepared: 2023-02-17T16:05:04-05:00

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

Blgd <= 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

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

☐ Exception to Solar Ready Area: Installed Solar Photovoltaic System

The project includes a permanently installed solar electric system having a nameplate DC power rating, measured under Standard Test Conditions, of not less than one watt per square foot of roof area as documented in Table J.

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

The project is a hotel/motel or high-rise multifamily occupancy and includes a permanently installed domestic solar water heating system complying with 170.2(d)(3C and Reference Residential Appendix RA4, as documented in Table H.

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

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

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

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

☐ Exception to Solar Ready Area: Roof too small

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

☐ Exception to Solar Ready Area: Number of building stories

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

FOOTNOTES: Buildings with roof area <=533 ft² would have a required solar zone < 80 ft² and are therefore exempt per 110.10(b)(18).

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: 90125-0223-0003

Schema Version: rev 20220101

Report Generated: 2023-02-17 15:05:08

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-B

Project Name: 40- PC-Solar Ready/Report Page: (Page 6 of 7)

Project Address: Date Prepared: 2023-02-17T16:05:04-05:00

This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.10/170.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 170.2(d)(3C) for multifamily and hotel/motel occupancies. When PV/battery/solar thermal requirements don't apply or are traded using the performance approach, this document demonstrates compliance with mandatory solar readiness requirements in 110.10/160.8 for newly constructed buildings which are either multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance with solar readiness in 110.10/160.8 for additions to nonresidential, multifamily or hotel/motel building types which add more than 2,000 ft² of roof area. Alterations, or additions of less than 2,000 ft² of roof area, are not required to comply with solar readiness, solar PV and battery requirements and do not need to complete this document.

Project Name: 40- PC-Solar Ready/Report Page: (Page 1 of 7)

Project Address: Date Prepared: 2023-02-17T16:05:04-05:00

Interconnection Pathways

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

N/A

FOOTNOTES: This field is used to document how the percentage of annual solar access was determined per §110.10(b)(18). Solar access is the ratio of solar insulation including shade to the solar insulation without shade. Shading from obstructions located on the roof or any other part of the building shall not be included in the determination of annual solar access.

G. PERMANENTLY INSTALLED SOLAR PV FOR SOLAR READY EXCEPTION

This section does not apply to this project.

H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEMS

This section does not apply to this project.

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

This section does not apply to this project.

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: 90125-0223-0003

Schema Version: rev 20220101

Report Generated: 2023-02-17 15:05:08

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP: 01-122646 INC:

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 11/26/2023

PROJECT SPECIFIC STATE AGENCY APPROVAL

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK 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:

SOUTH SAN FRANCISCO U.S.D.

U.S.D.

SAN FRANCISCO H.S.

SHEET TITLE:

CERTIFICATE OF COMPLIANCE FORMS

REVISIONS

1

2

3

4

5

PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVED

DIV. OF THE STATE ARCHITECT

APP: 01-122646 PC

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒ CG ☒

DATE: 10/10/2023

PC STATE AGENCY APPROVAL

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-B

Project Name: 40- PC-PV/Report Page: (Page 2 of 5)

Project Address: Date Prepared: 2023-02-17T16:05:07-05:00

This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.10/170.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 170.2(d)(3C) for multifamily and hotel/motel occupancies. When PV/battery/solar thermal requirements don't apply or are traded using the performance approach, this document demonstrates compliance with mandatory solar readiness requirements in 110.10/160.8 for newly constructed buildings which are either multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance with solar readiness in 110.10/160.8 for additions to nonresidential, multifamily or hotel/motel building types which add more than 2,000 ft² of roof area. Alterations, or additions of less than 2,000 ft² of roof area, are not required to comply with solar readiness, solar PV and battery requirements and do not need to complete this document.

Project Name: 40- PC-PV/Report Page: (Page 2 of 5)

Project Address: Date Prepared: 2023-02-17T16:05:07-05:00

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 RA4, 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 D. for guidance or see the applicable Table referenced below.

Allocated Solar Zone

Installed PV System

Installed SWM System

Smart Thermostat and Alternative Energy Efficiency Measure

Compliance Results

01

02

03

04

05

06

07

08

09

Required Minimum Area (ft²)

<=

Designated Area (ft²)

OR

Required Minimum DC Power Rating (Watts)

<=

Designed DC Power Rating (Watts)

OR

Required Minimum DC Power Rating (Watts)

<=

Designed/Rated Solar Savings Fraction

OR

JAS Compliant Thermostat Efficiency Measure

OR

Alternative Energy Efficiency Measure

COMPLIES

(See Table F)

(See Tables G or J)

(See Table H)

(See Table I)

<=

11,810

<=

11,810

OR

<=

11,810

OR

<=

11,810

OR

<=

11,810

OR

<=

11,810

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).

Not Applicable

Battery storage system design meets the minimum requirements in Joint Appendix JA12 and the minimum energy (DWH)/ power (kW) capacity per Table J.

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: 90125-0223-0003

Schema Version: rev 20220101

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

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-B

Project Name: 40- PC-PV/Report Page: (Page 2 of 5)

Project Address: Date Prepared: 2023-02-17T16:05:07-05:00

This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.10/170.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 170.2(d)(3C) for multifamily and hotel/motel occupancies. When PV/battery/solar thermal requirements don't apply or are traded using the performance approach, this document demonstrates compliance with mandatory solar readiness requirements in 110.10/160.8 for newly constructed buildings which are either multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance with solar readiness in 110.10/160.8 for additions to nonresidential, multifamily or hotel/motel building types which add more than 2,000 ft² of roof area. Alterations, or additions of less than 2,000 ft² of roof area, are not required to comply with solar readiness, solar PV and battery requirements and do not need to complete this document.

Project Name: 40- PC-PV/Report Page: (Page 2 of 5)

Project Address: Date Prepared: 2023-02-17T16:05:07-05:00

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 RA4, 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 D. for guidance or see the applicable Table referenced below.

Allocated Solar Zone

Installed PV System

Installed SWM System

Smart Thermostat and Alternative Energy Efficiency Measure

Compliance Results

01

02

03

04

05

06

07

08

09

Required Minimum Area (ft²)

<=

Designated Area (ft²)

OR

Required Minimum DC Power Rating (Watts)

<=

Designed/Rated Solar Savings Fraction

OR

JAS Compliant Thermostat Efficiency Measure

OR

Alternative Energy Efficiency Measure

COMPLIES

(See Table F)

(See Tables G or J)

(See Table H)

(See Table I)

<=

11,810

<=

11,810

OR

<=

11,810

OR

<=

11,810

OR

<=

11,810

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).

Not Applicable

Battery storage system design meets the minimum requirements in Joint Appendix JA12 and the minimum energy (DWH)/ power (kW) capacity per Table J.

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: 90125-0223-0003

Schema Version: rev 20220101

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

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-B

Project Name: 40- PC-Solar Ready/Report Page: (Page 2 of 7)

Project Address: Date Prepared: 2023-02-17T16:05:04-05:00

This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.10/170.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 170.2(d)(3C) for multifamily and hotel/motel occupancies. When PV/battery/solar thermal requirements don't apply or are traded using the performance approach, this document demonstrates compliance with mandatory solar readiness requirements in 110.10/160.8 for newly constructed buildings which are either multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance with solar readiness in 110.10/160.8 for additions to nonresidential, multifamily or hotel/motel building types which add more than 2,000 ft² of roof area. Alterations, or additions of less than 2,000 ft² of roof area, are not required to comply with solar readiness, solar PV and battery requirements and do not need to complete this document.

Project Name: 40- PC-Solar Ready/Report Page: (Page 2 of 7)

Project Address: Date Prepared: 2023-02-17T16:05:04-05:00

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

01

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

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

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

The total of all available Solar Access Roof Area(s) of the project site is less than three percent of the conditioned floor area as documented in Table J.

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

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

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

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

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

The project has a roof design where the enforcement authority has verified it is not possible for the PV system, including panels, modules, components, supports, and attachments to the roof structure, to meet ASCE 7-16 Chapter 7, Snow Loads.

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

The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNEM) or community solar program.

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

The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNEM) 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 RA4, 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 D. for guidance or see the applicable Table referenced below.

Allocated Solar Zone

Installed PV System

Installed SWM System

Smart Thermostat and Alternative Energy Efficiency Measure

Compliance Results

01

02

03

04

05

06

07

08

09

Required Minimum Area (ft²)

<=

Designated Area (ft²)

OR

Required Minimum DC Power Rating (Watts)

<=

Designed/Rated Solar Savings Fraction

OR

JAS Compliant Thermostat Efficiency Measure

OR

Alternative Energy Efficiency Measure

COMPLIES

(See Table F)

(See Tables G or J)

(See Table H)

(See Table I)

<=

11,810

<=

11,810

OR

<=

11,810

OR

<=

11,810

OR

<=

11,810

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).

Not Applicable

Battery storage system design meets the minimum requirements in Joint Appendix JA12 and the minimum energy (DWH)/ power (kW) capacity per Table J.

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: 90125-0223-0003

Schema Version: rev 20220101

Report Generated: 2023-02-17 15:05:08

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-B

Project Name: 40- PC-Solar Ready/Report Page: (Page 6 of 7)

Project Address: Date Prepared: 2023-02-17T16:05:04-05:00

This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.10/170.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 170.2(d)(3C) for multifamily and hotel/motel occupancies. When PV/battery/solar thermal requirements don't apply or are traded using the performance approach, this document demonstrates compliance with mandatory solar readiness requirements in 110.10/160.8 for newly constructed buildings which are either multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance with solar readiness in 110.10/160.8 for additions to nonresidential, multifamily or hotel/motel building types which add more than 2,000 ft² of roof area. Alterations, or additions of less than 2,000 ft² of roof area, are not required to comply with solar readiness, solar PV and battery requirements and do not need to complete this document.

Project Name: 40- PC-Solar Ready/Report Page: (Page 6 of 7)

Project Address: Date Prepared: 2023-02-17T16:05:04-05:00

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 trades off PV in an energy model using performance path, 140.10/170.2(g and h) requires installed photovoltaic and battery systems for newly constructed buildings. The installed PV systems must meet the minimum requirements in Joint Appendix 11.

Photovoltaic (PV) System

01

02

03

04

05

06

07

08

Occupancy

Conditioned Floor Area (ft²)

Area of New Roof* (ft²)

Roof Area < 70% Solar Access* (ft²)

Plansheet or Document showing Solar Access Calculations

Occupied Roof Area* (ft²)

Solar Access Roof Area (SARA) (ft²)

Min Size of PV System Required (kWdc)

School or Classroom

4,800

5,700

0

Sheet A-0.7

0

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.

*Solar 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>.

*As specified by CBC Section 503.1.4.

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Form/Title

NRC-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: 90125-0223-0003

Schema Version: rev 20220101

Report Generated: 2023-02-17 15:05:08

STATE OF CALIFORNIA

Solar And Battery

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-SAB-B

Project Name: 40- PC-Solar Ready/Report Page: (Page 3 of 7)

Project Address: Date Prepared: 2023-02-17T16:05:07-05:00

This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.10/170.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 170.2(d)(3C) for multifamily and hotel/motel occupancies. When PV/battery/solar thermal requirements don't apply or are traded using the performance approach, this document demonstrates compliance with mandatory solar readiness requirements in 110.10/160.8 for newly constructed buildings which are either multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance with solar readiness in 110.10/160.8 for additions to nonresidential, multifamily or hotel/motel building types which add more than 2,000 ft² of roof area. Alterations, or additions of less than 2,000 ft² of roof area, are not required to comply with solar readiness, solar PV and battery requirements and do not need to complete this document.

Project Name: 40- PC-Solar Ready/Report Page: (Page 3 of 7)

Project Address: Date Prepared: 2023-02-17T16:05:07-05:00

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

SEA/HER Certification Identification (if applicable):

Address: 2830 Barrett Ave

City/State/Zip: Perris/CA/92571

Phone: (951) 943-5393

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 1 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of 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 the 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 for path(s) eligible to the building owner at occupancy.

Responsible Designer Name: John Steffen

Responsible Designer Signature: [Signature]

Signature Date: 02-20-2023

SEA/HER Certification Identification (if applicable):

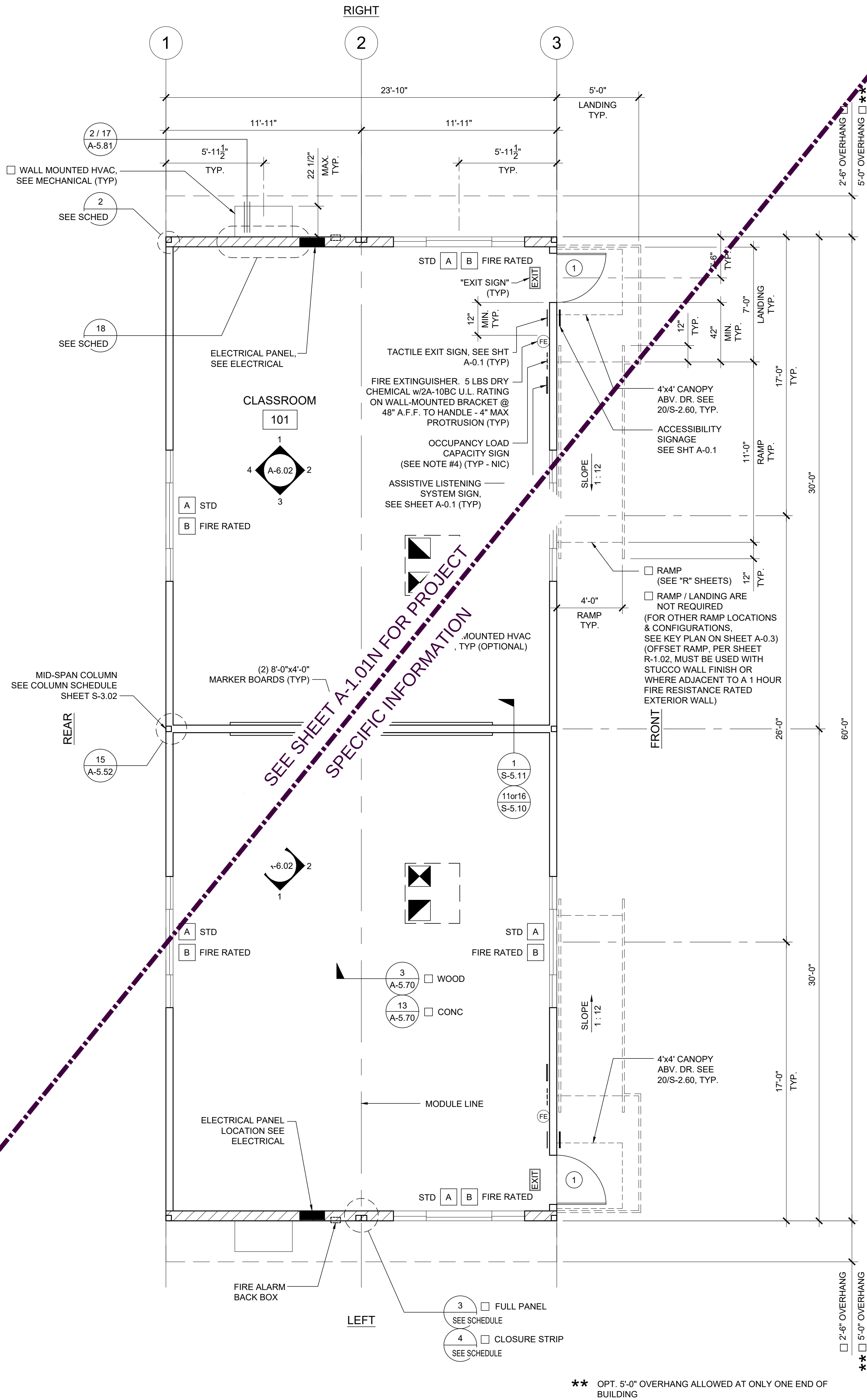
Address: 2830 Barrett Ave

City/State/Zip: Perris/CA/92571

Phone: (951) 943-5393

Registration Number:

Generated Date/Time



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 10A-5.70 IN LIEU OF PROVIDING A CURB (IR 23-2)
- DOORS SHALL PROVIDED WITH MINIMUM 4' CANOPY OR ROOF OVERHANG

DETAIL SCHEDULE

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

SYMBOLS LEGEND

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

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

FLOOR PLAN
24' x 60'

REVISIONS

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122602 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023

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 60' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 09-19-2023

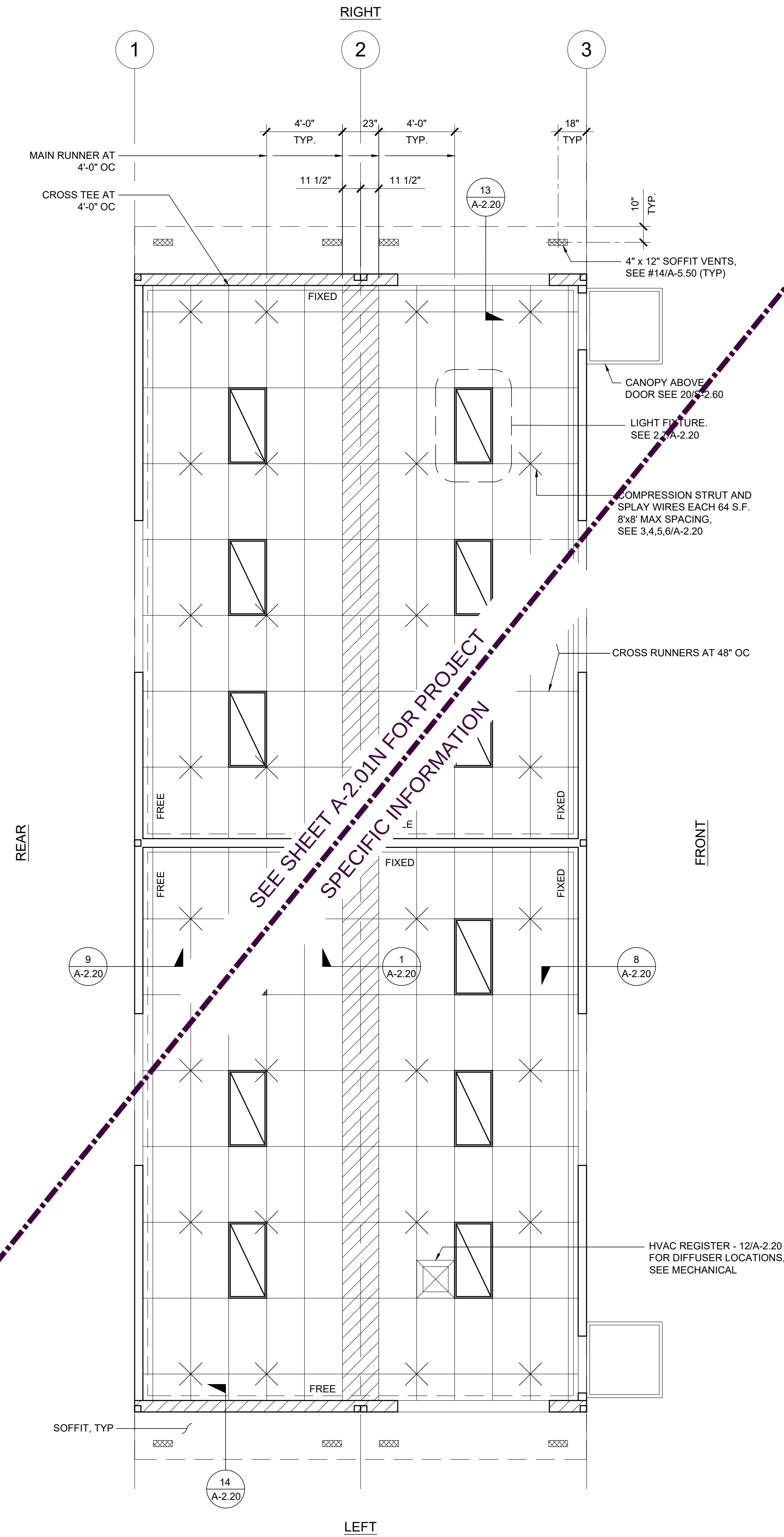
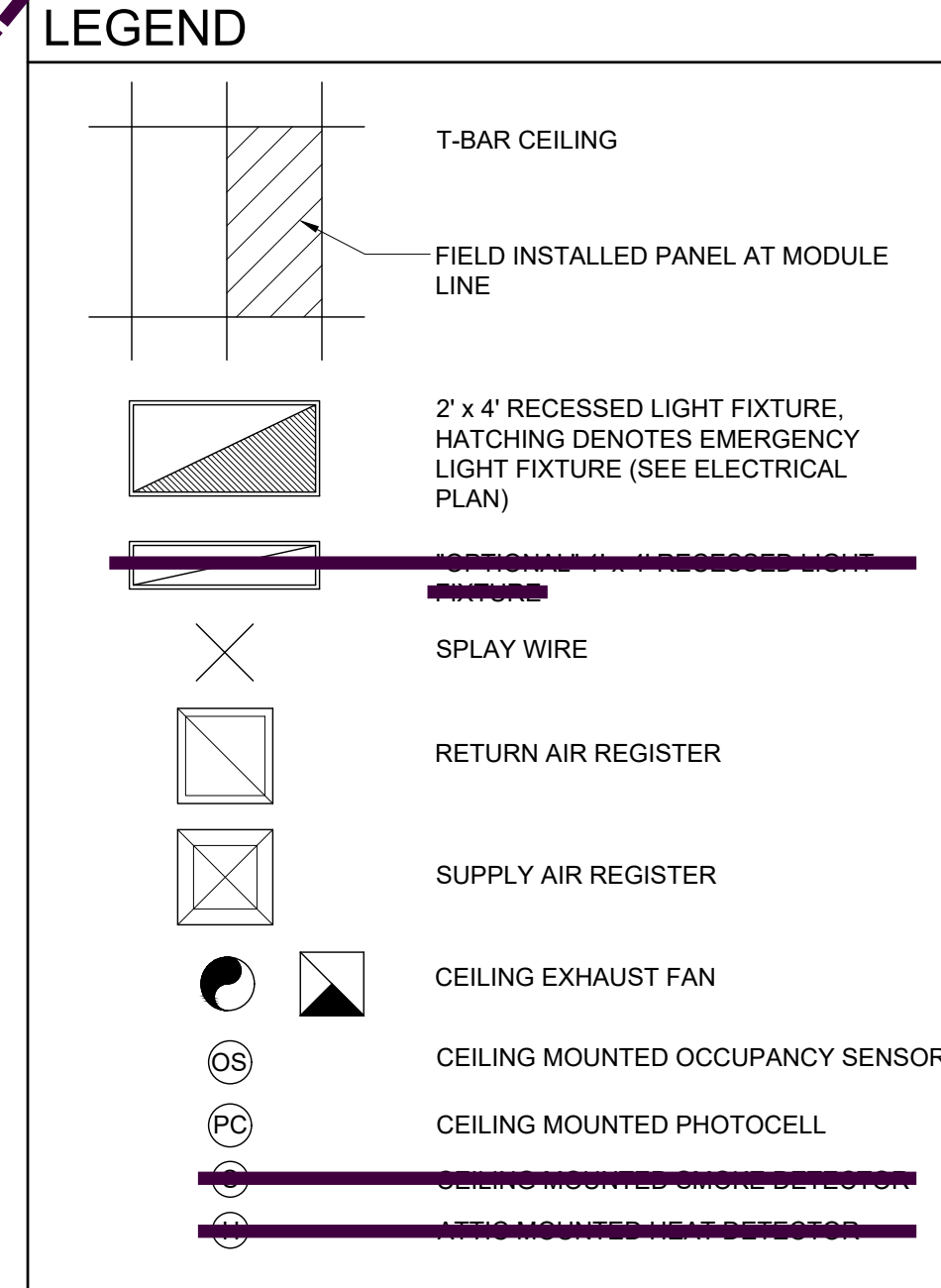
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A-1.01

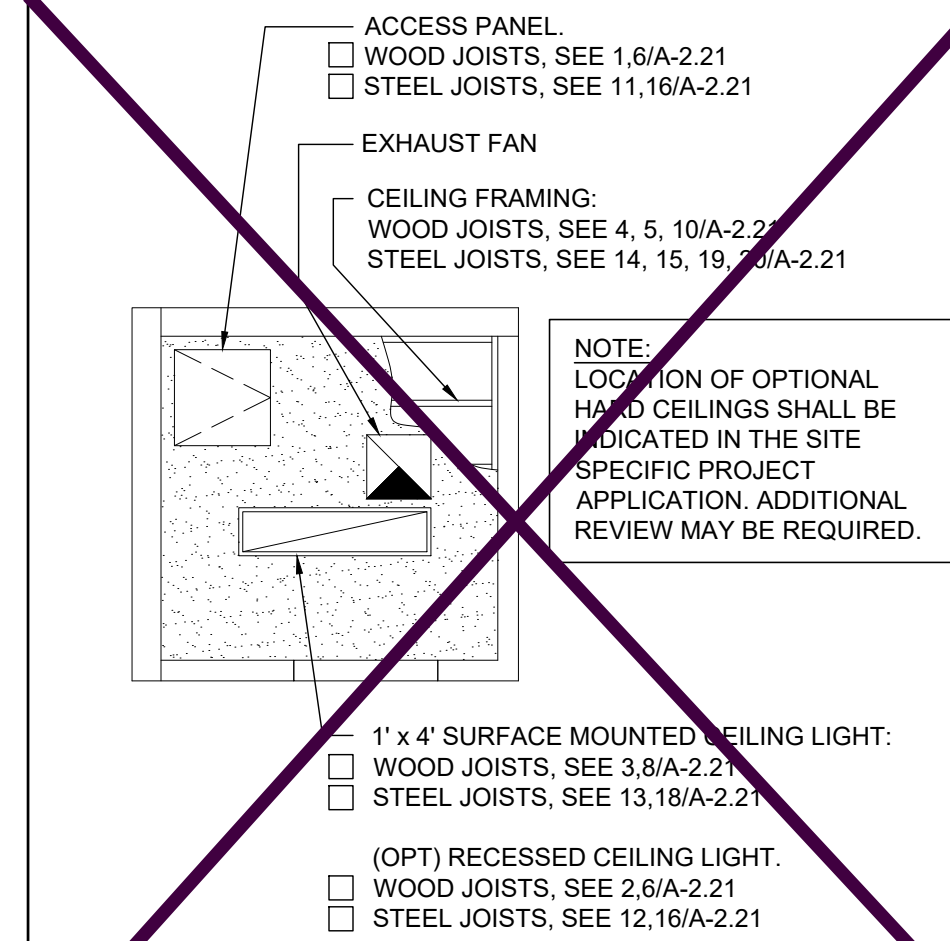
FLOOR PLAN

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

1



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



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

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)

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SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
**SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.**

SHEET TITLE:
**REFLECTED
CEILING PLAN
24' x 60'**

REVISIONS

1	
2	
3	
4	
5	

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122602 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023
PC STATE AGENCY APPROVAL

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

MODULAR BUILDING DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W. STARLIN
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

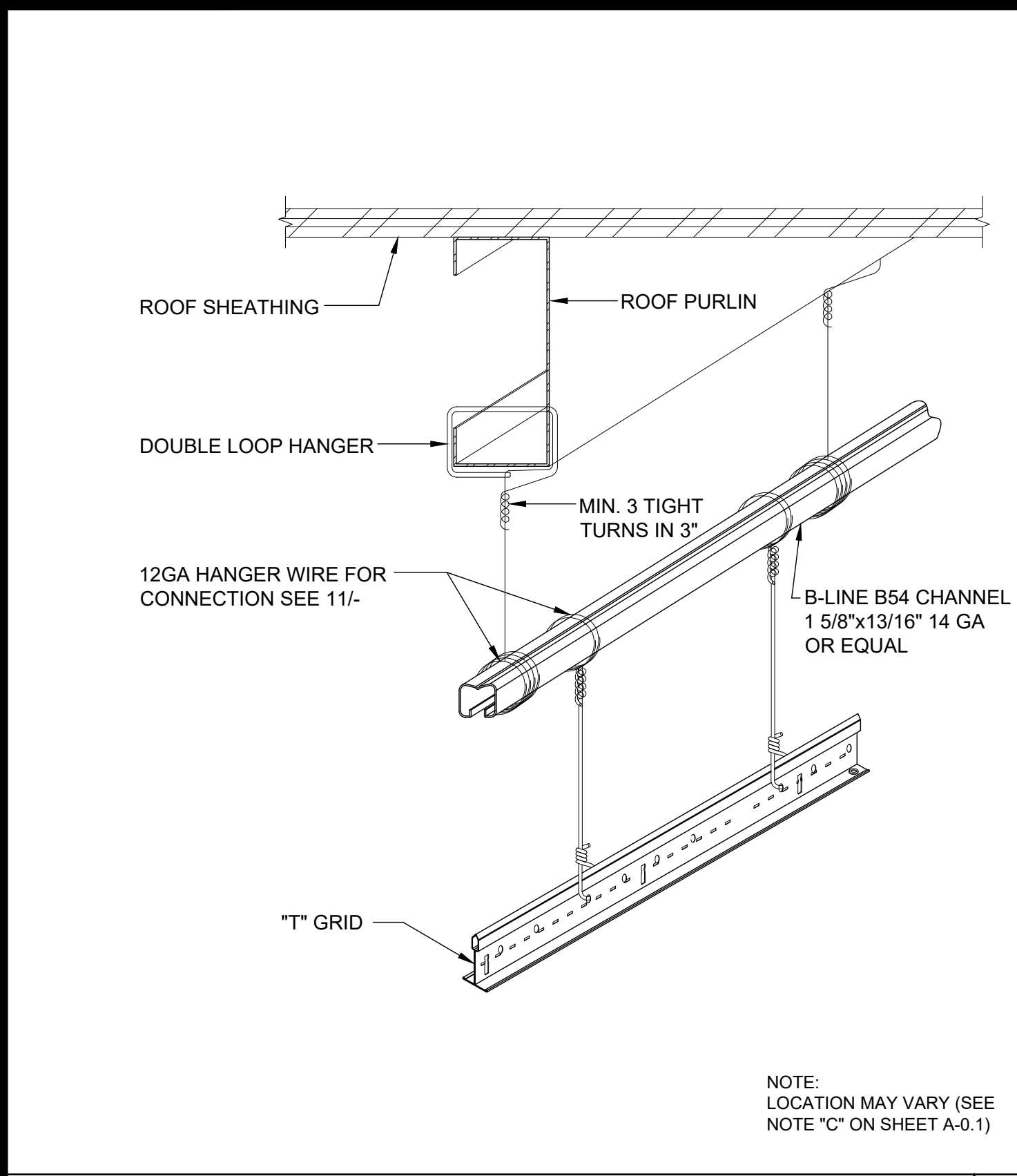
DATE: 09-19-2023

P.C. SHEET NUMBER
A-2.01

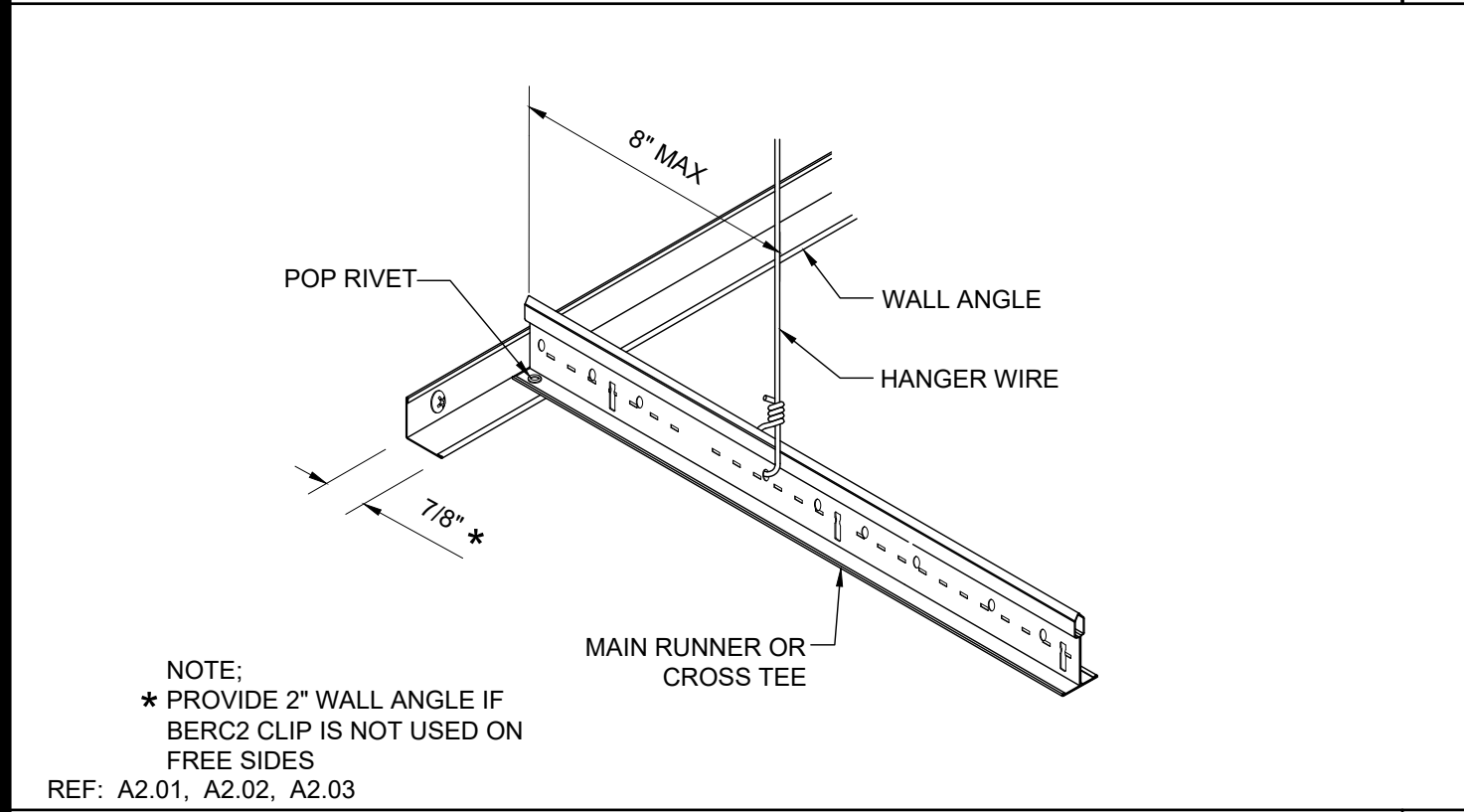
REFLECTED CEILING PLAN

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

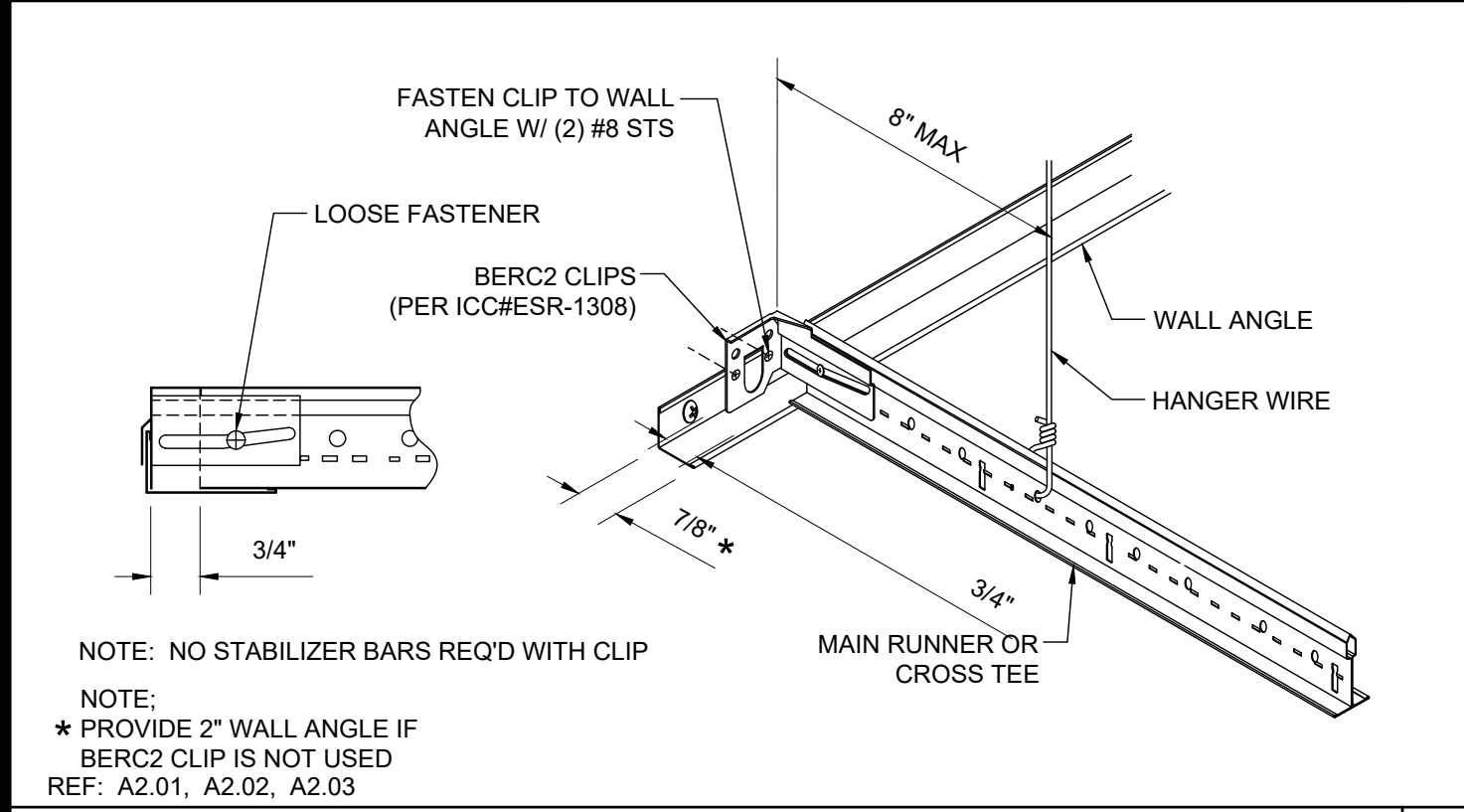
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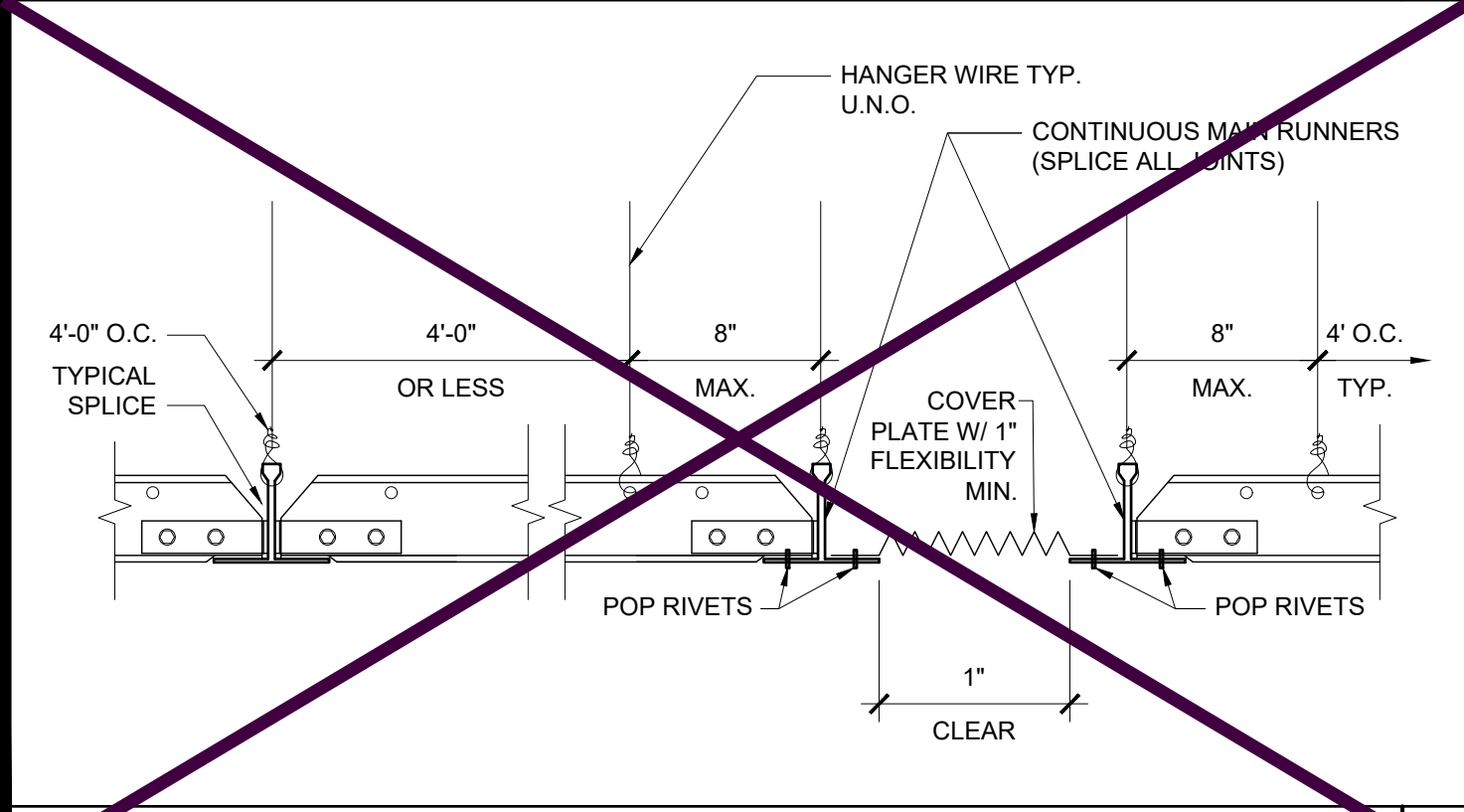
TRAPEZE DETAIL 17



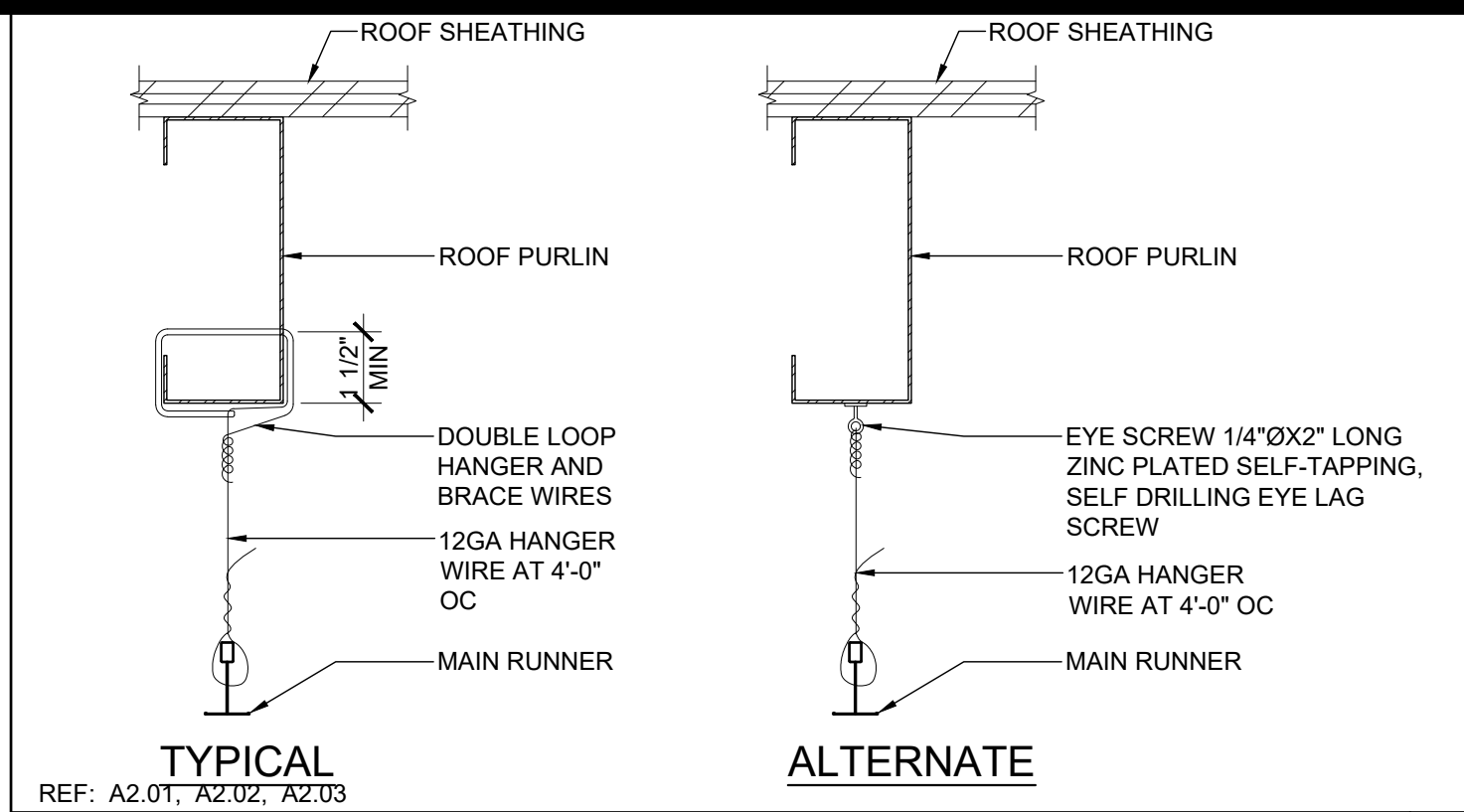
FIXED SIDE 18



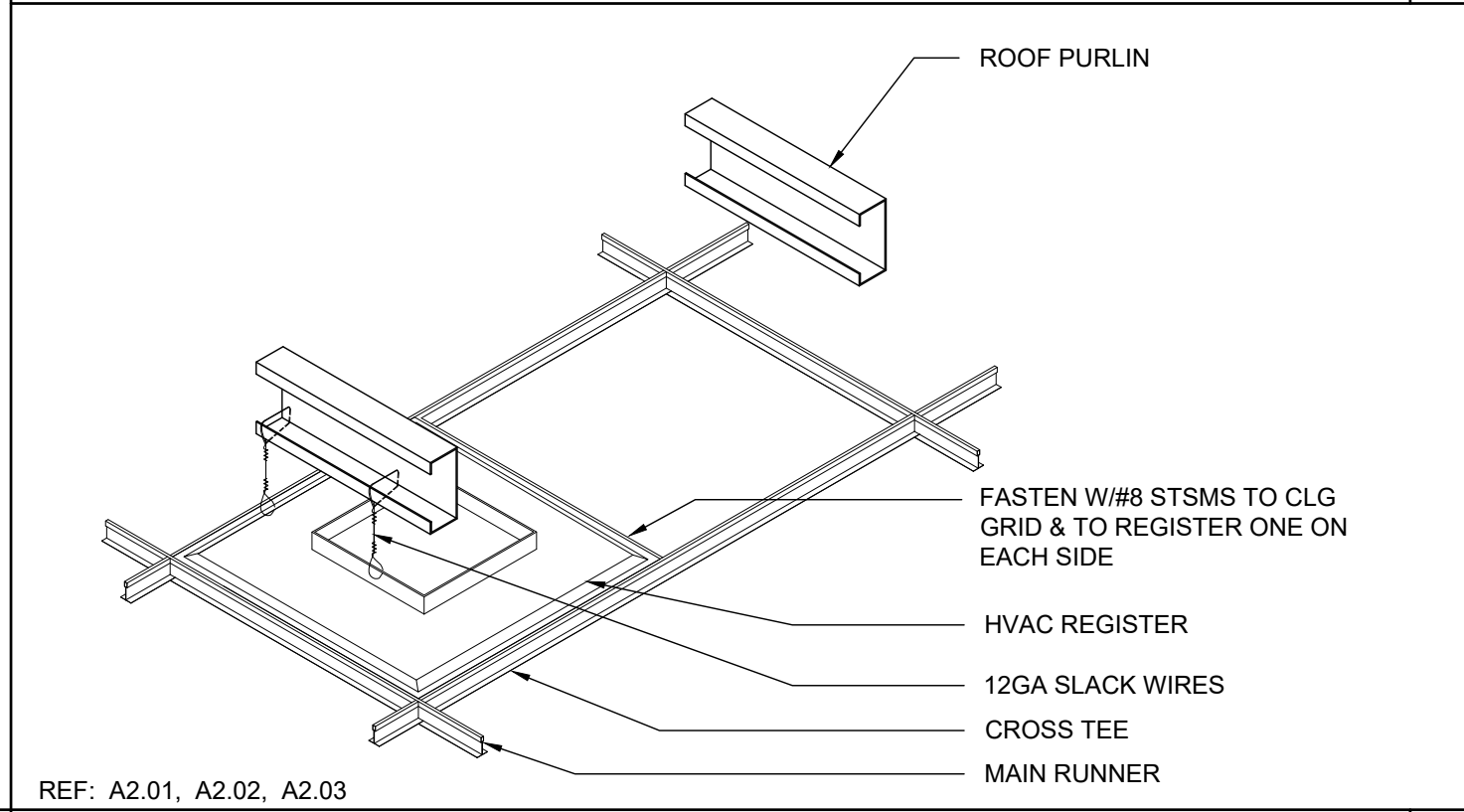
FREE SIDE 19



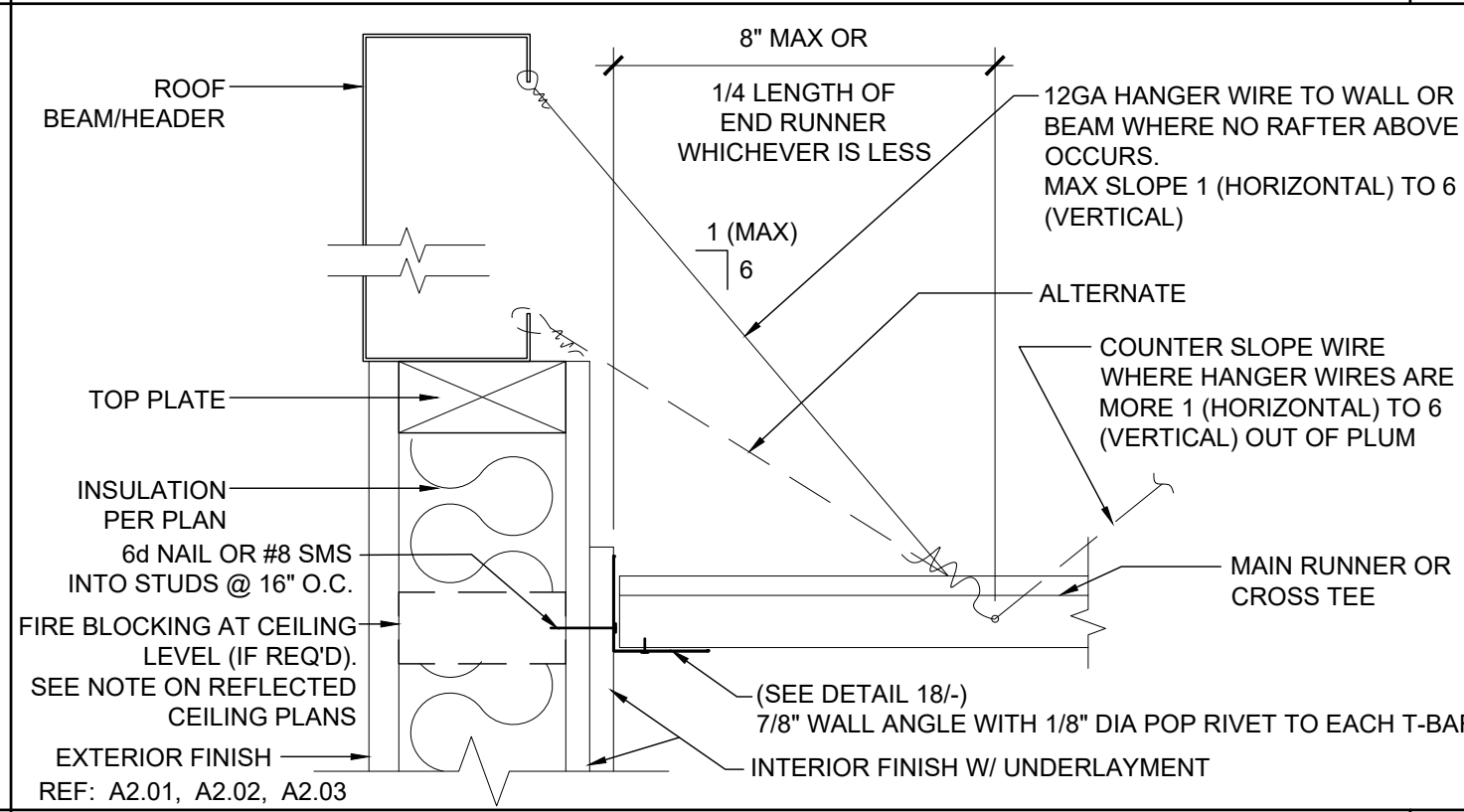
GRID SEISMIC SEPARATION JOINT 20



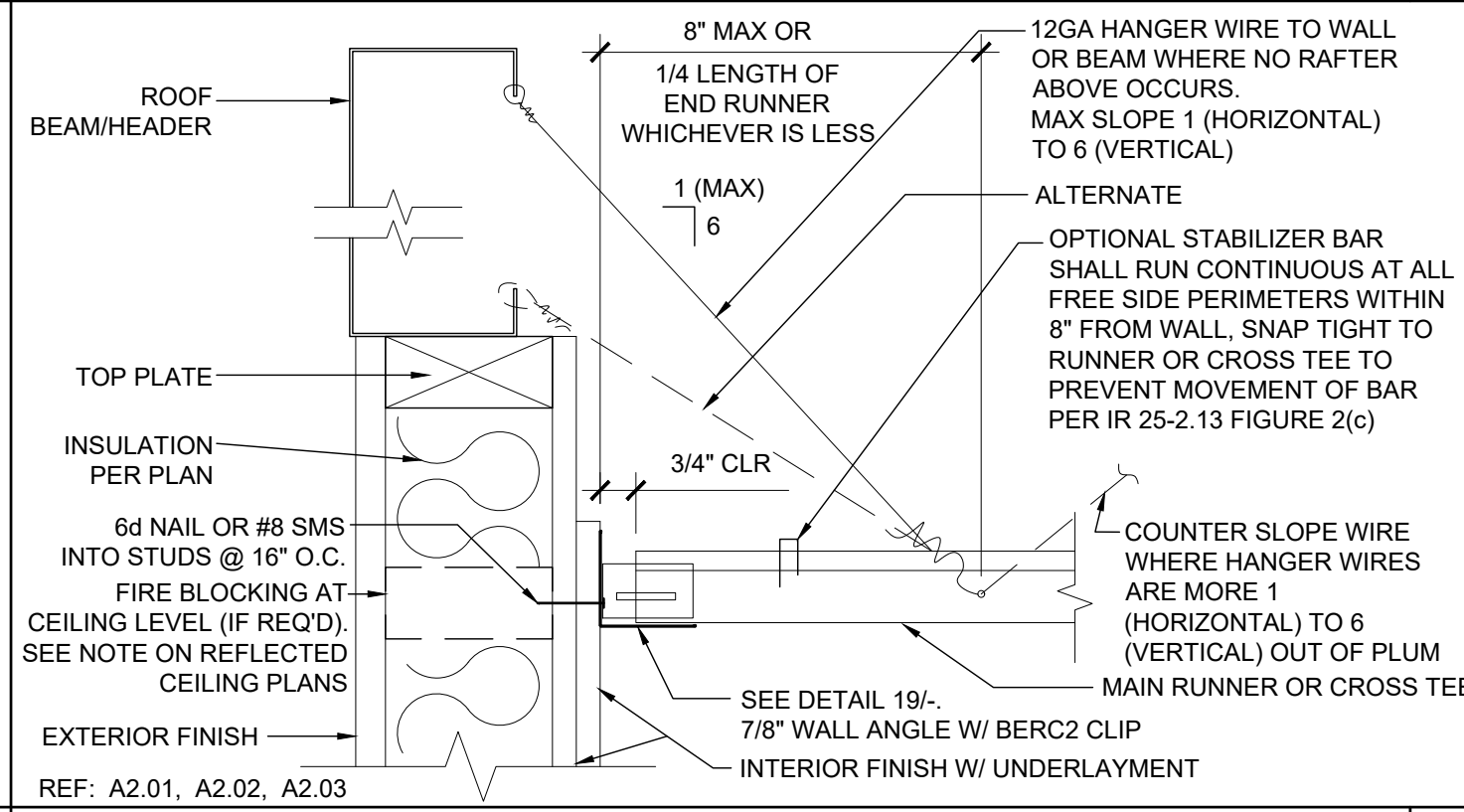
HANGER WIRE DETAIL 11



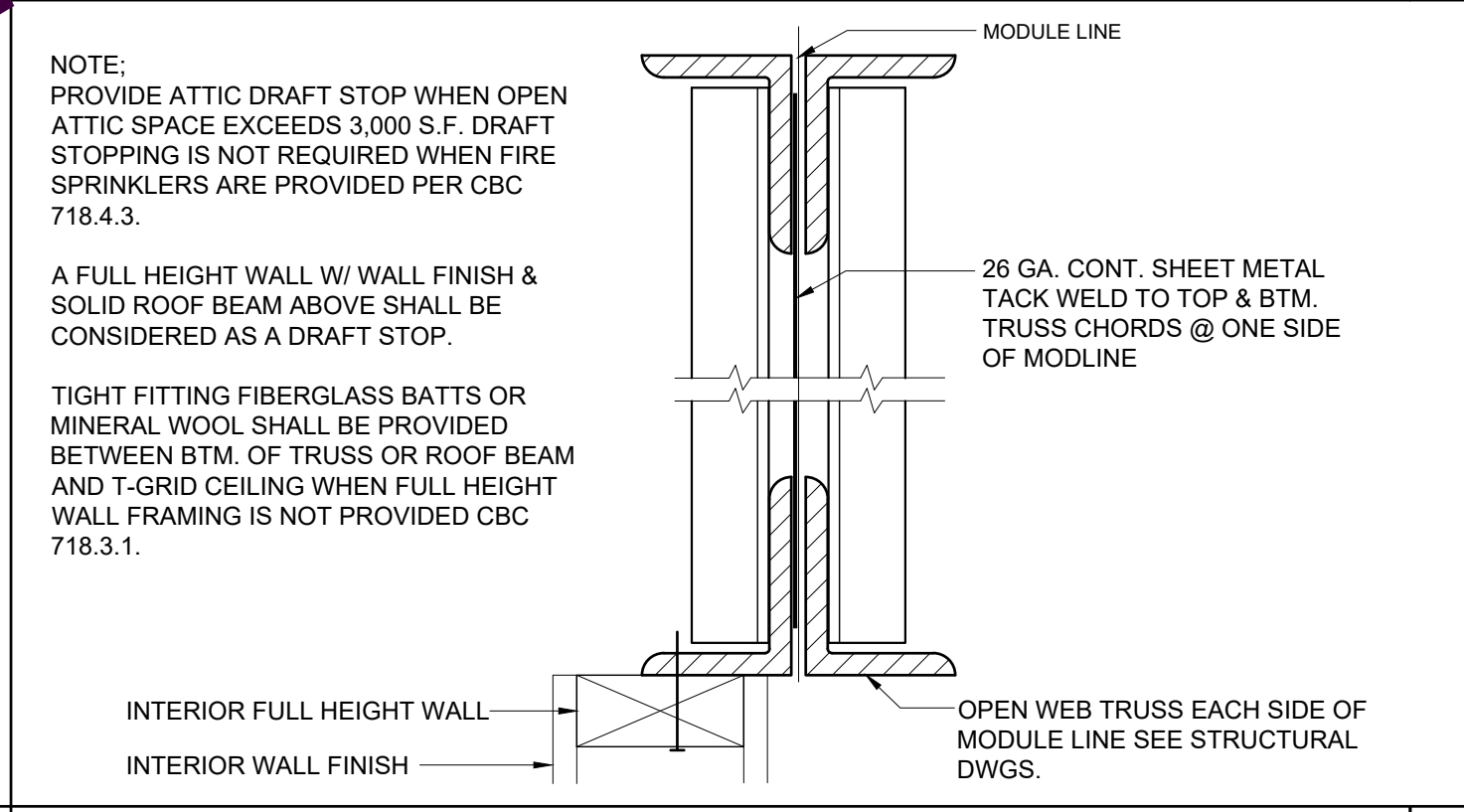
HVAC REGISTER MOUNTING 12



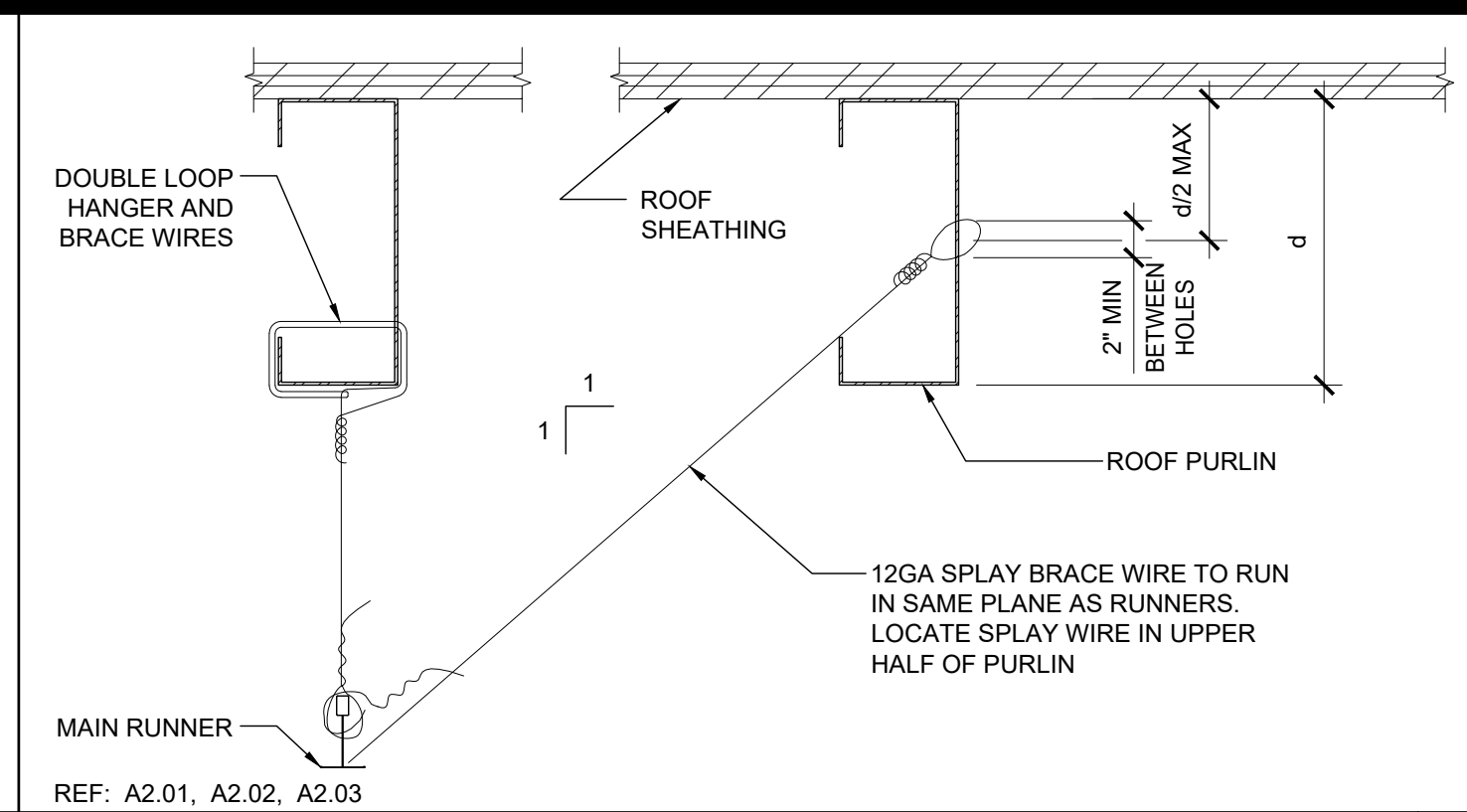
HANGER WIRE - FIXED SIDE (ENDWALL) 13



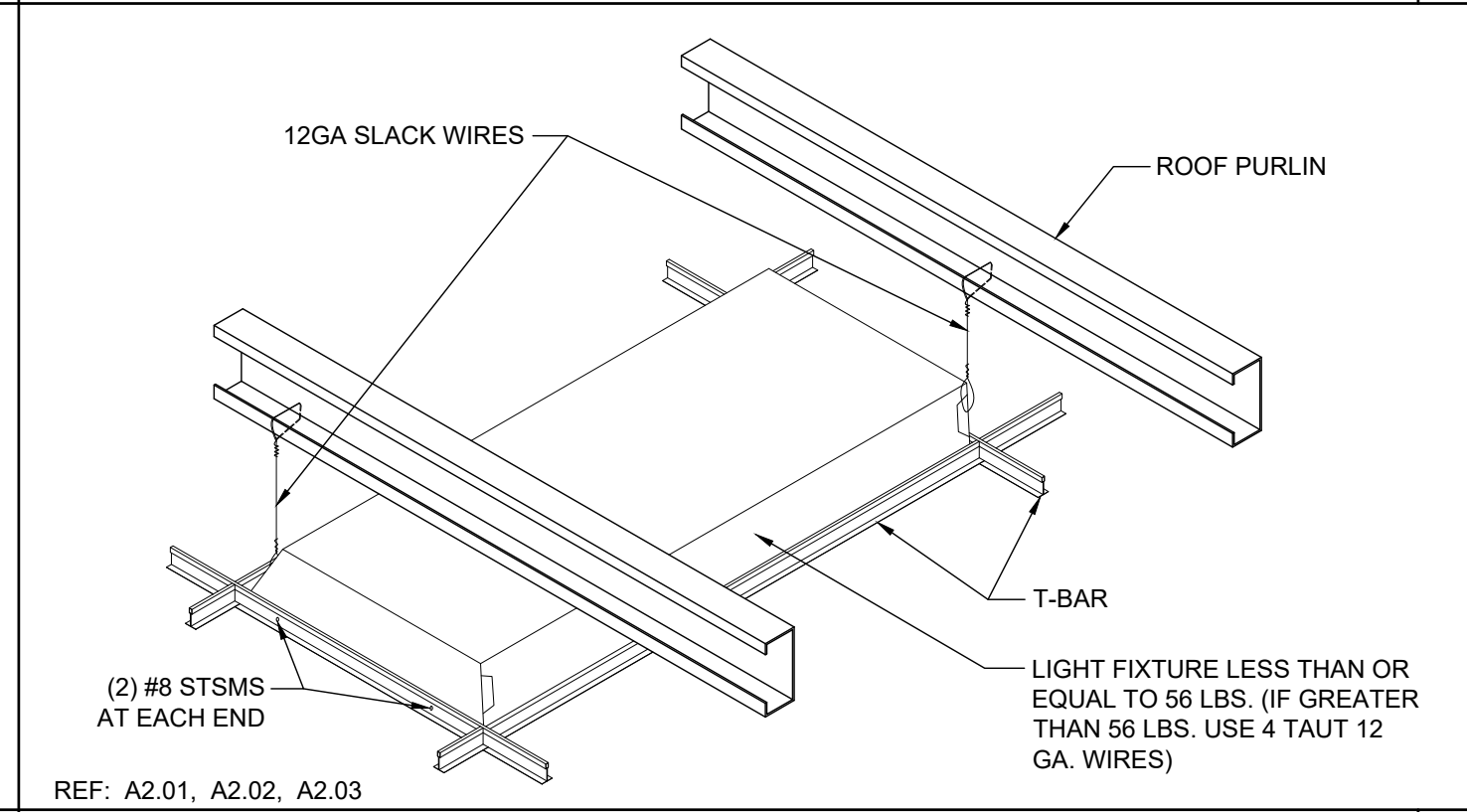
HANGER WIRE - FREE SIDE (ENDWALL) 14



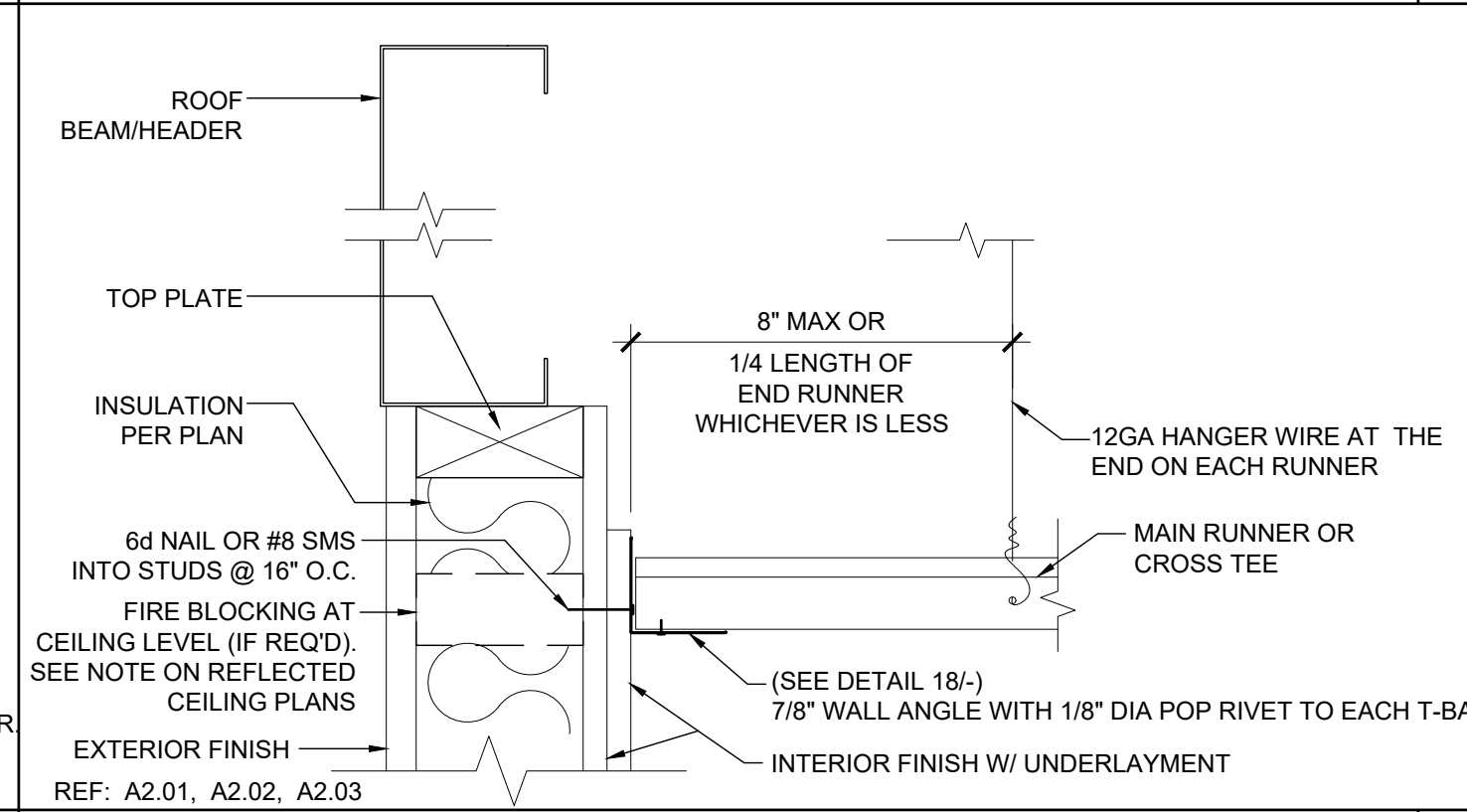
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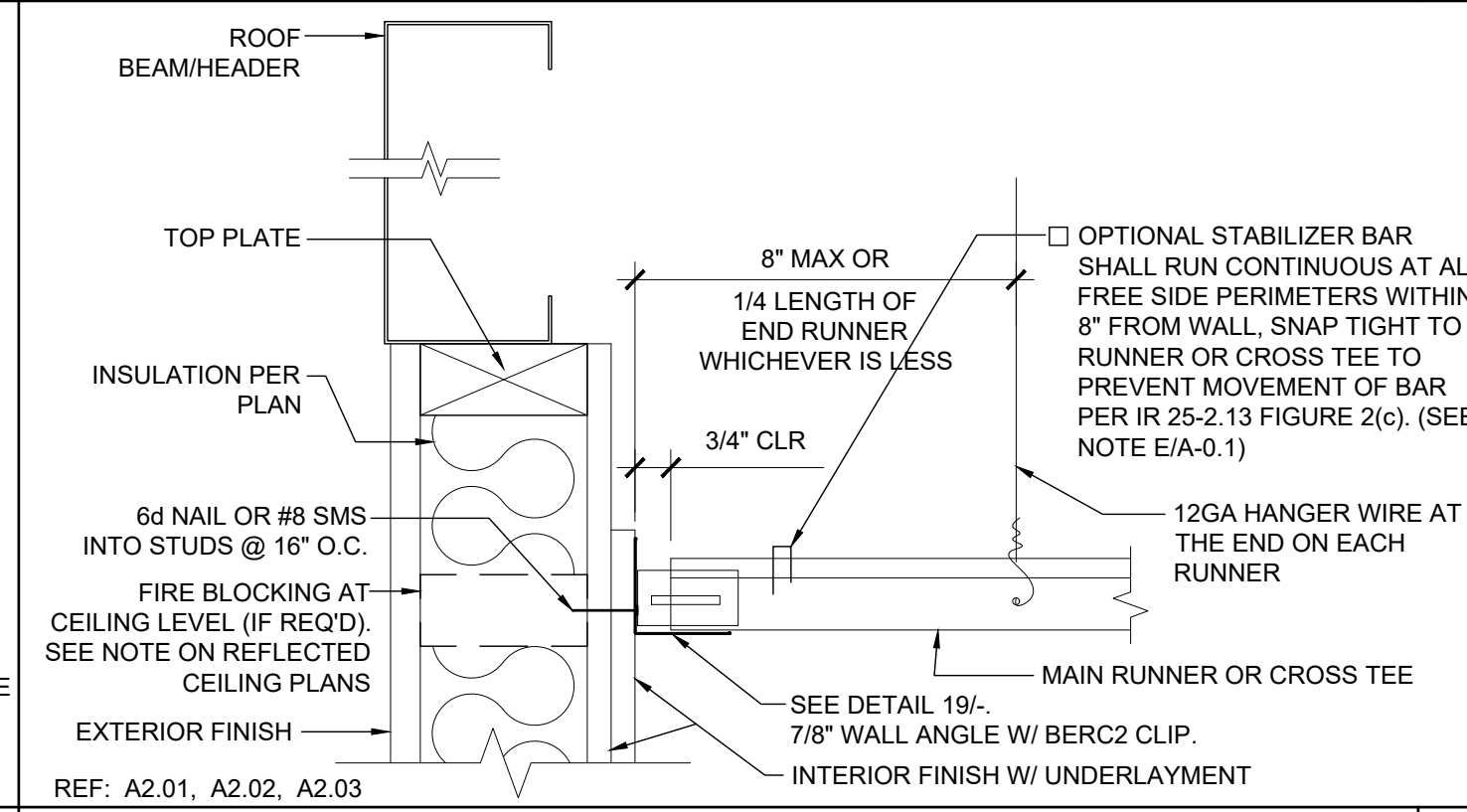
SPLAY BRACING WIRE 6



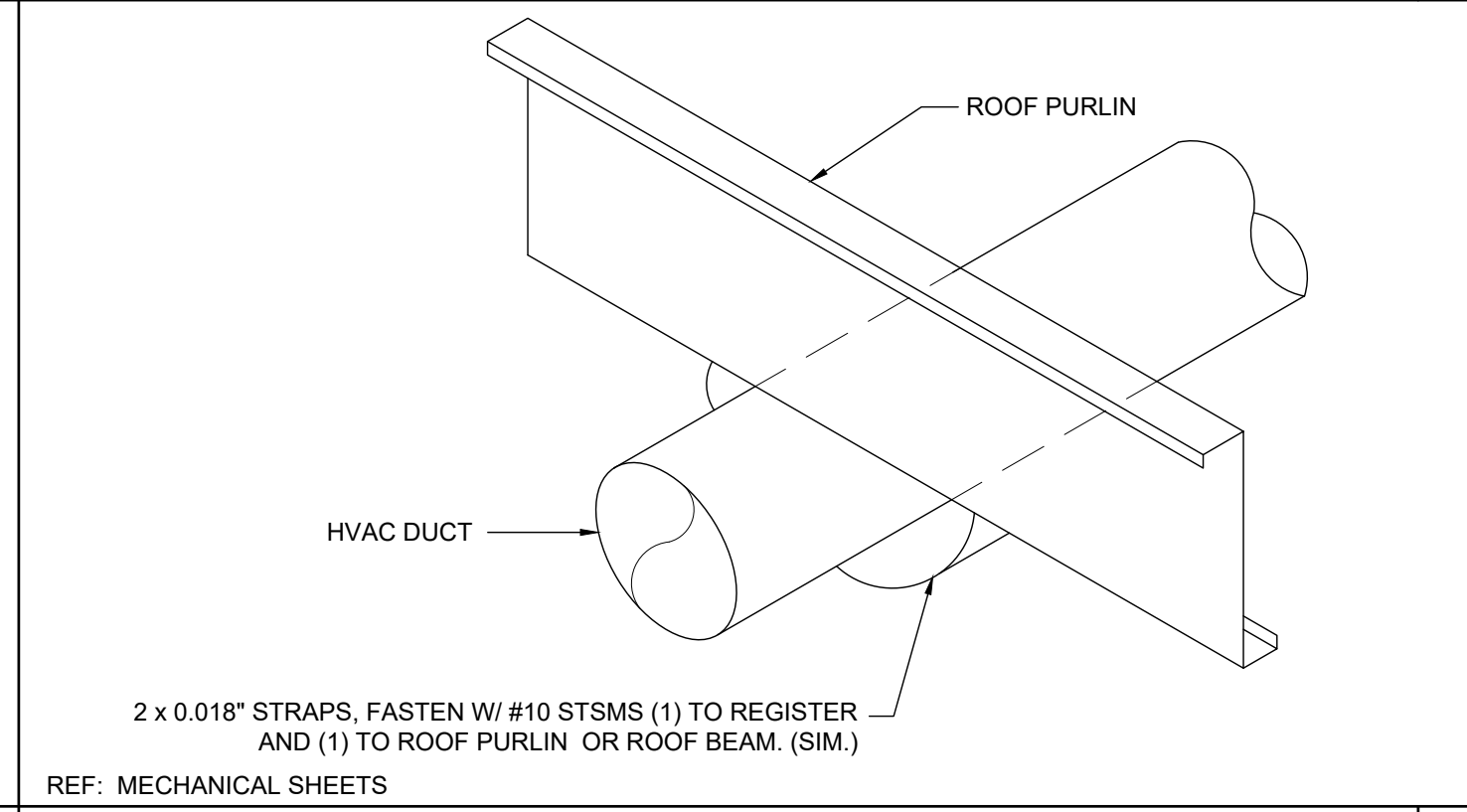
LIGHT FIXTURE MOUNTING 7



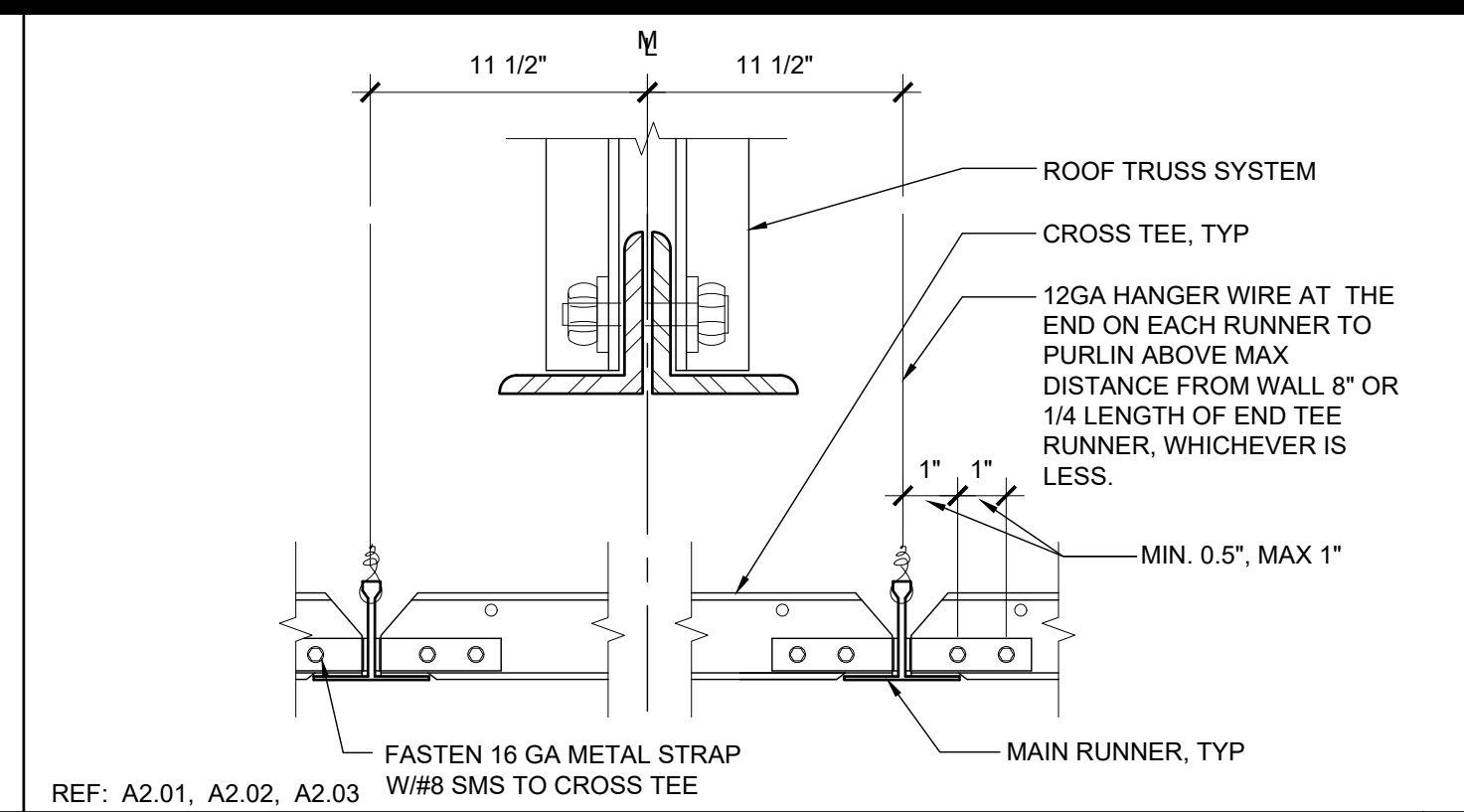
HANGER WIRE - FIXED SIDE (SIDEWALL) 8



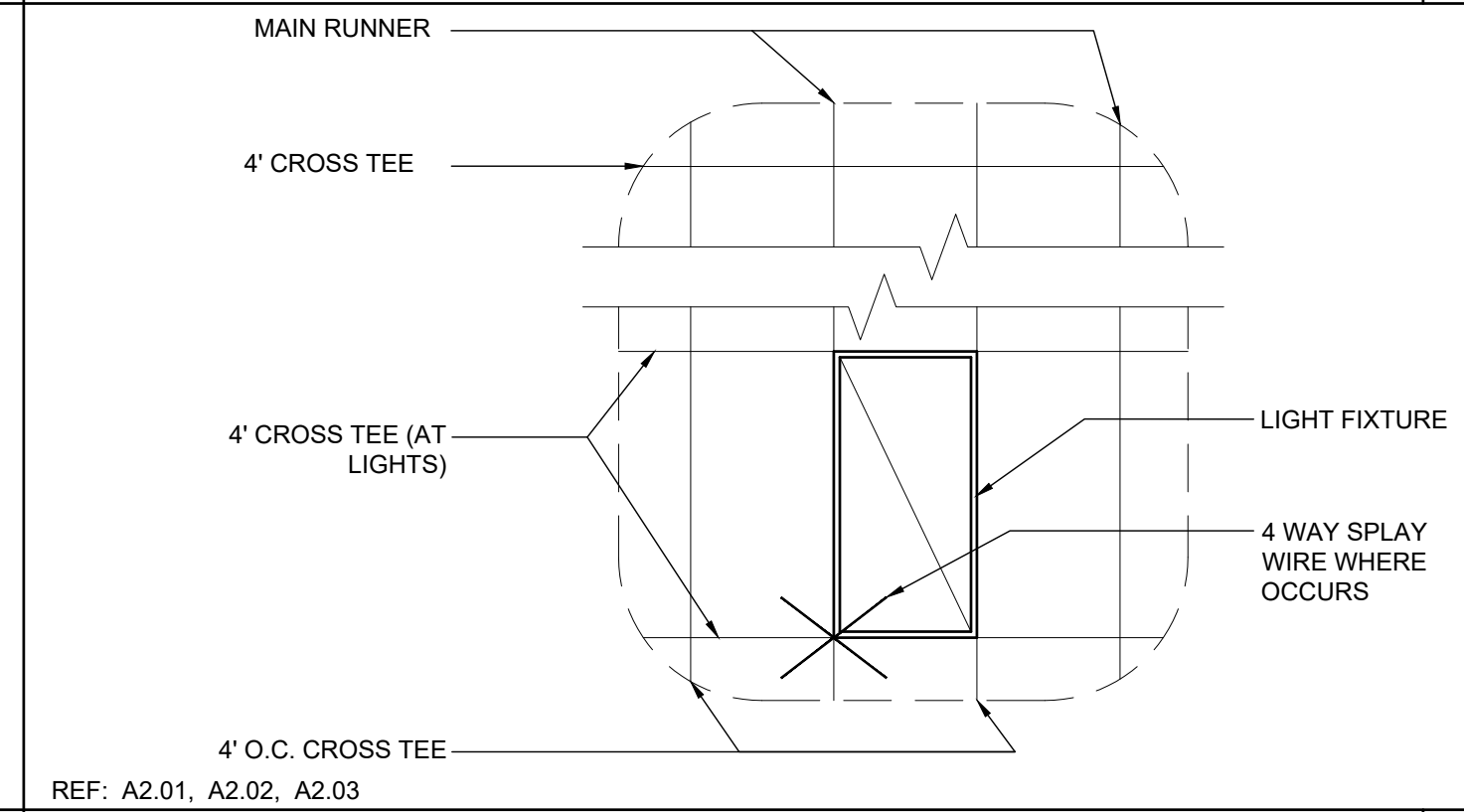
HANGER WIRE - FREE SIDE (SIDEWALL) 9



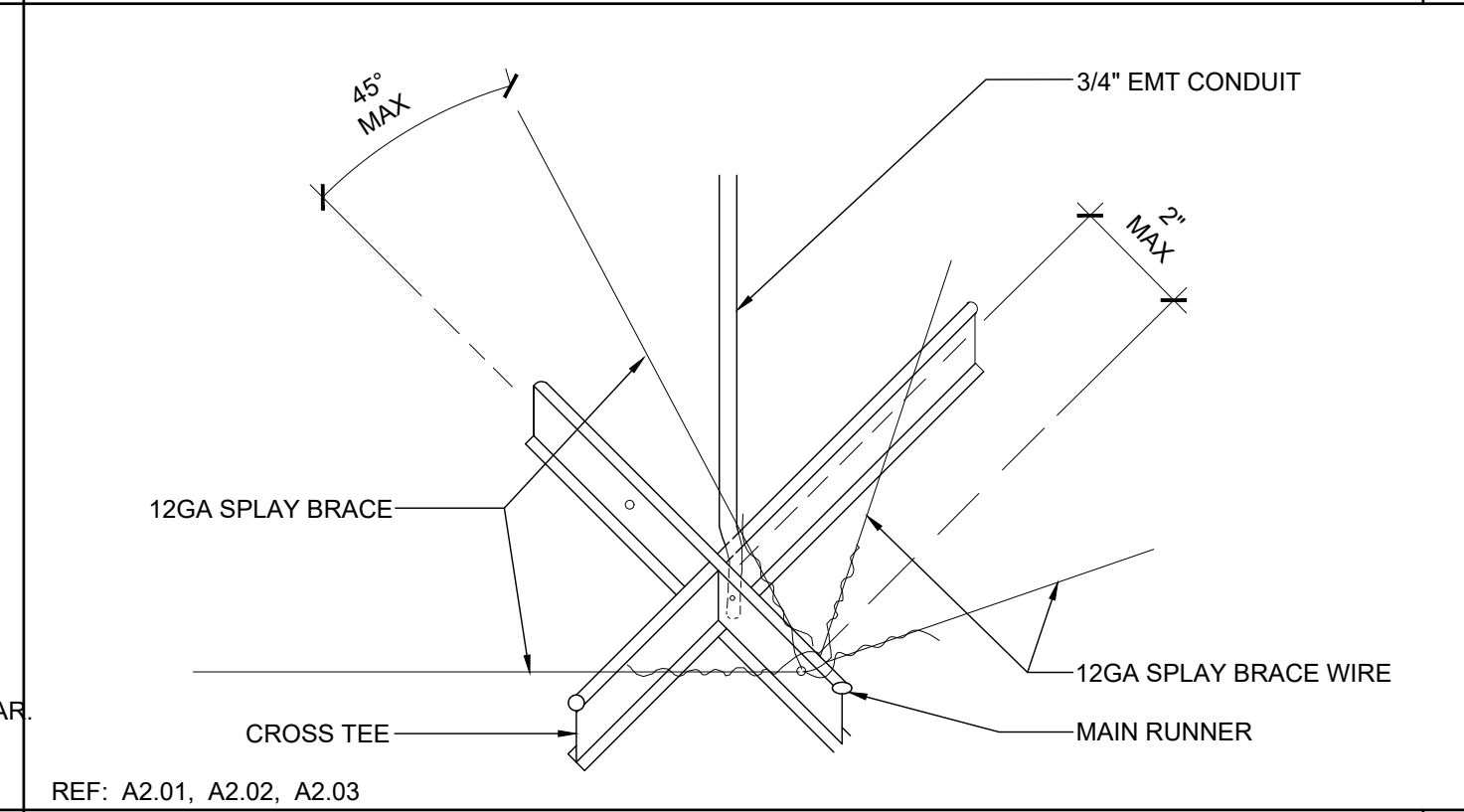
HVAC DUCTWORK MOUNTING 10



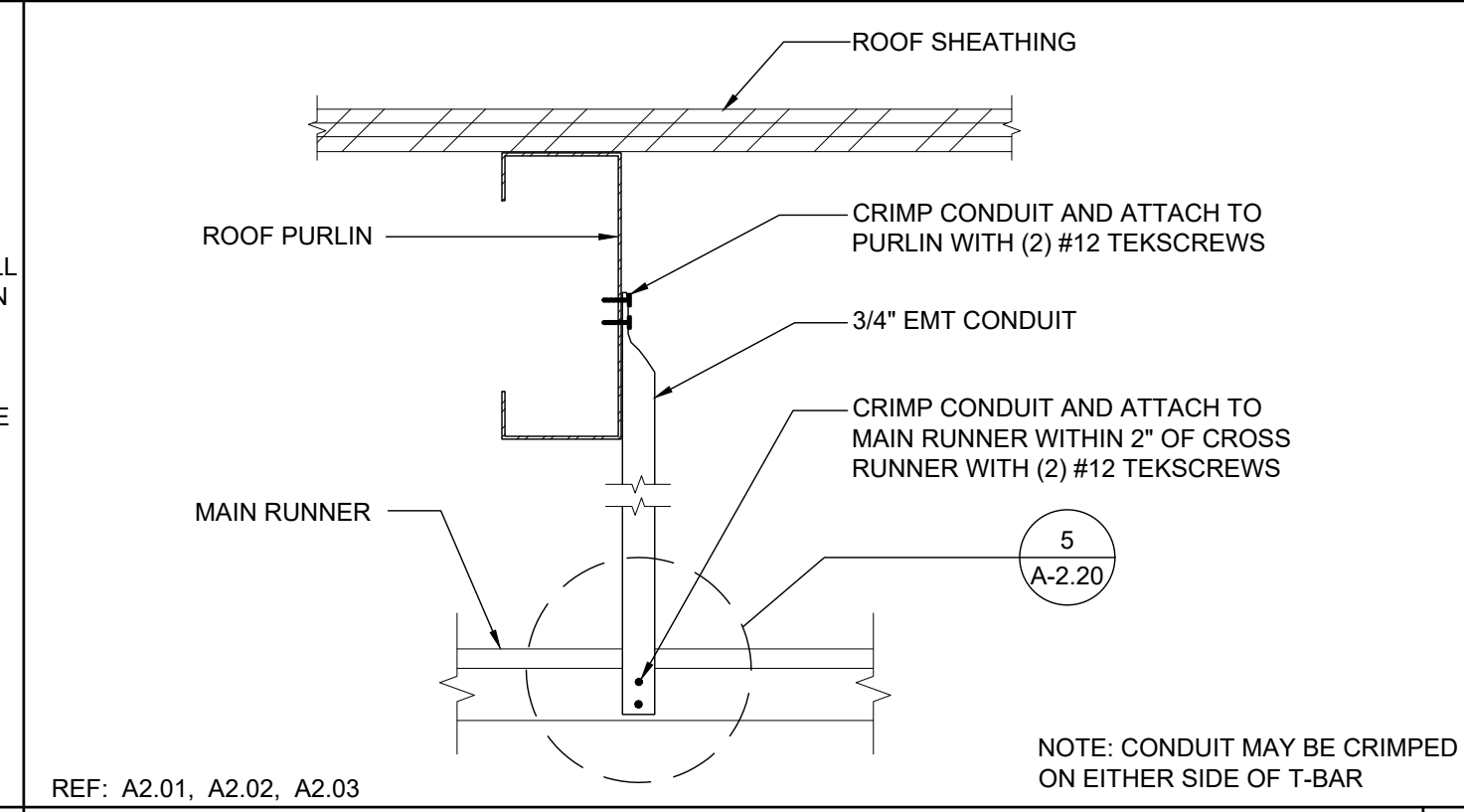
GRID AT MODLINE 1



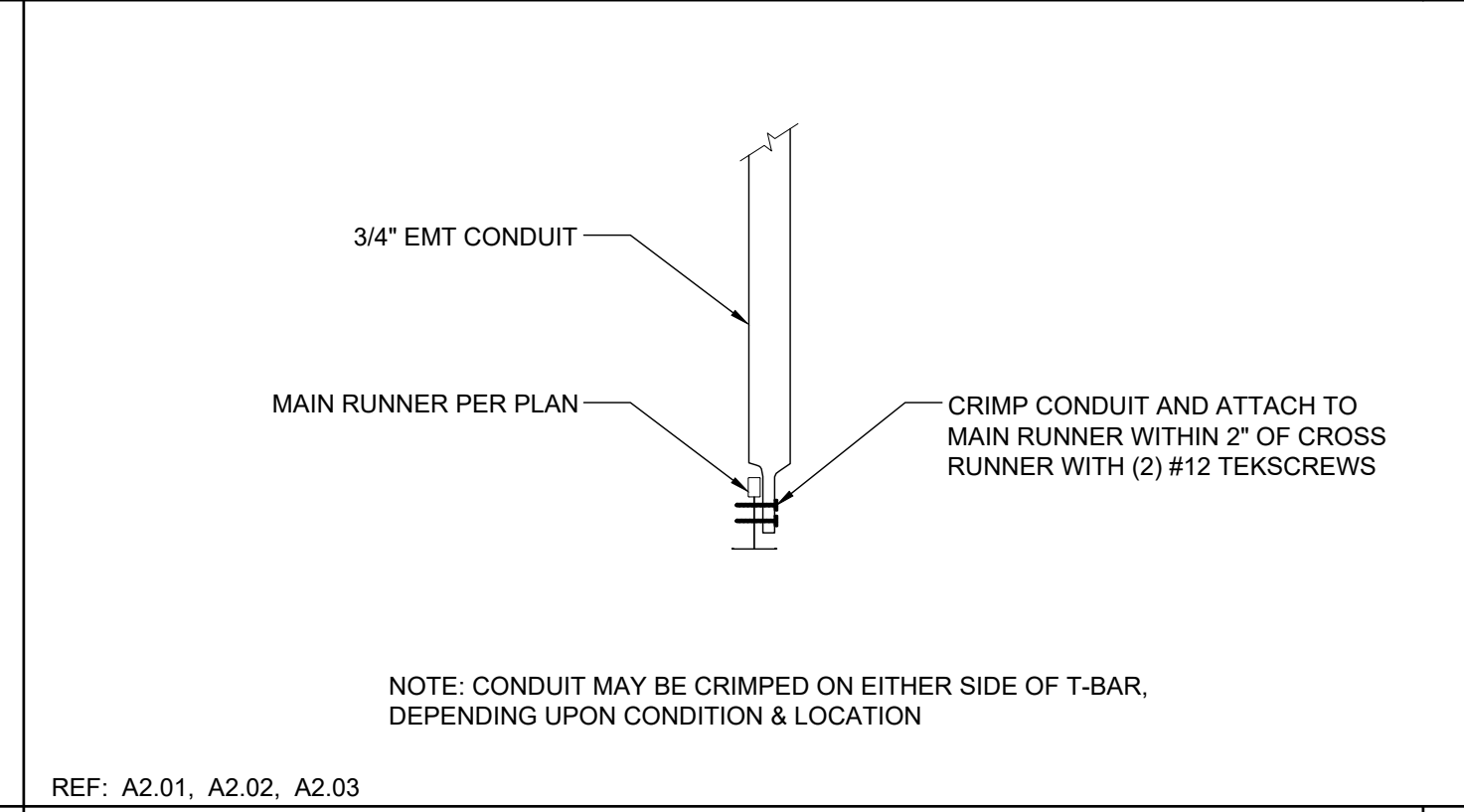
4' CROSS TEE AT LIGHTS 2



SEISMIC SPLAY - 4 WAY 3



COMPRESSION STRUT 4



COMPRESSION STRUT 5

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:
CEILING DETAILS
T-GRID

REVISIONS

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122602 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023

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 60' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-19-2023
P.C. SHEET NUMBER
A-2.20

ROOF PLAN - TPO - DUAL SLOPE

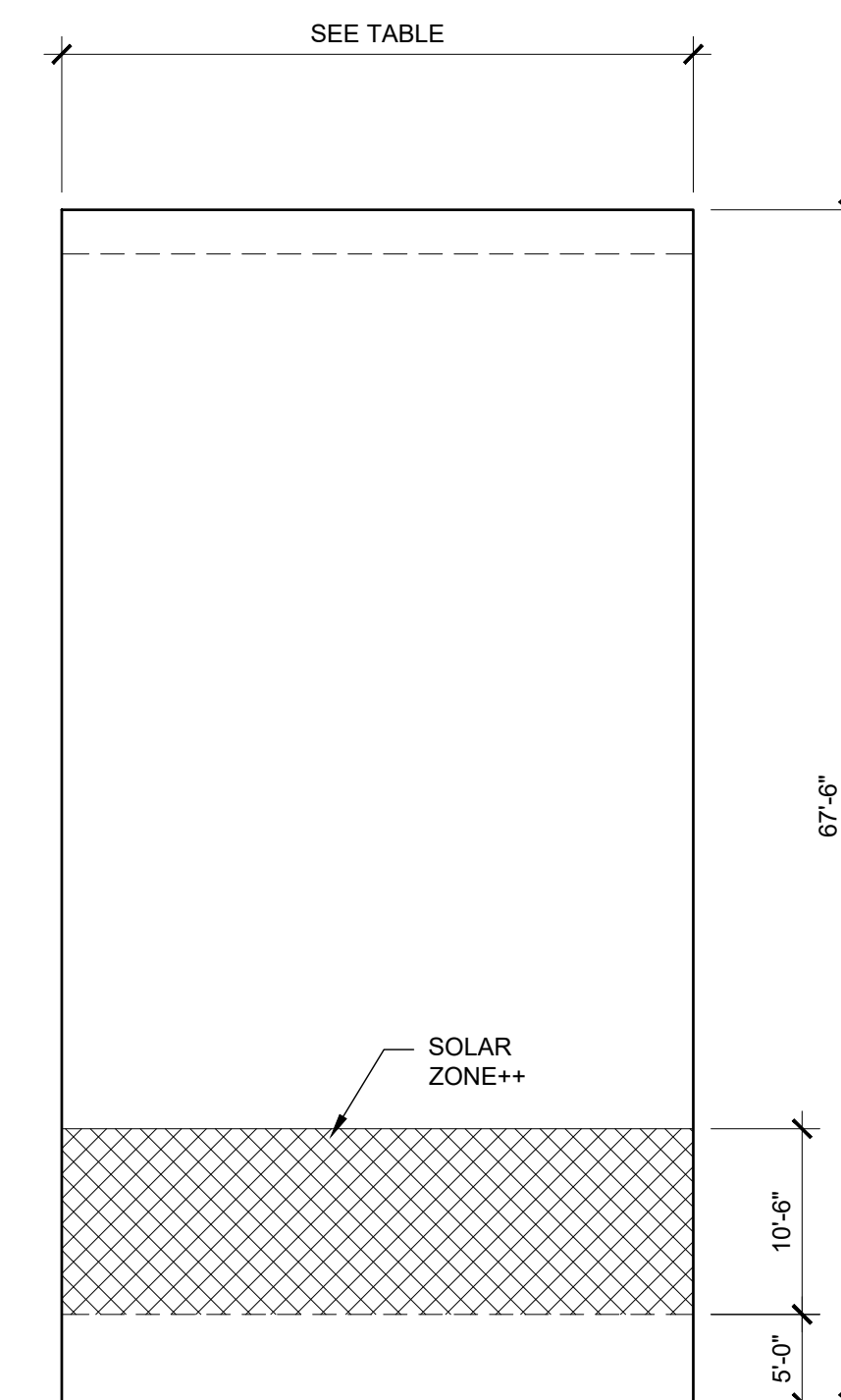
SCALE: 1/4" = 1' - 0"

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NOTES

1. BUILDINGS SHALL HAVE ROOF COVERINGS AS SPECIFIED IN CBC TABLE 1505.1 - CLASS A.
2. 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.
3. 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 715-2.60

SOLAR ZONE



KEYPLAN

BUILDING SIZE	REQUIRED SOLAR ZONE	PROVIDED SOLAR ZONE
24'-0" x 67'-6"	242 SF	250 SF
36'-0" x 67'-6"	363 SF	375 SF
48'-0" x 67'-6"	484 SF	500 SF
60'-0" x 67'-6"	605 SF	625 SF
72'-0" x 67'-6"	726 SF	750 SF
ROOF AREA PER MODULE	=	775 SF
REQUIRED SOLAR ZONE	=	121 SF
PROVIDED SOLAR ZONE	=	125 SF

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

ROOF PLAN

24'x60' - TPO ROOF
DUAL SLOPE

REVISIONS

- 1
2
3
4
5

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122602 PC
VIEWED FOR
SE ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2003

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 60' PC

PROJECT NO:

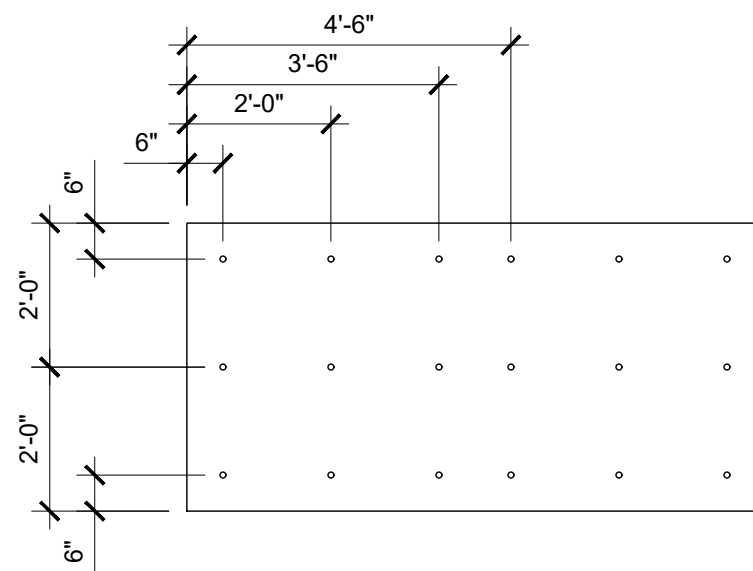
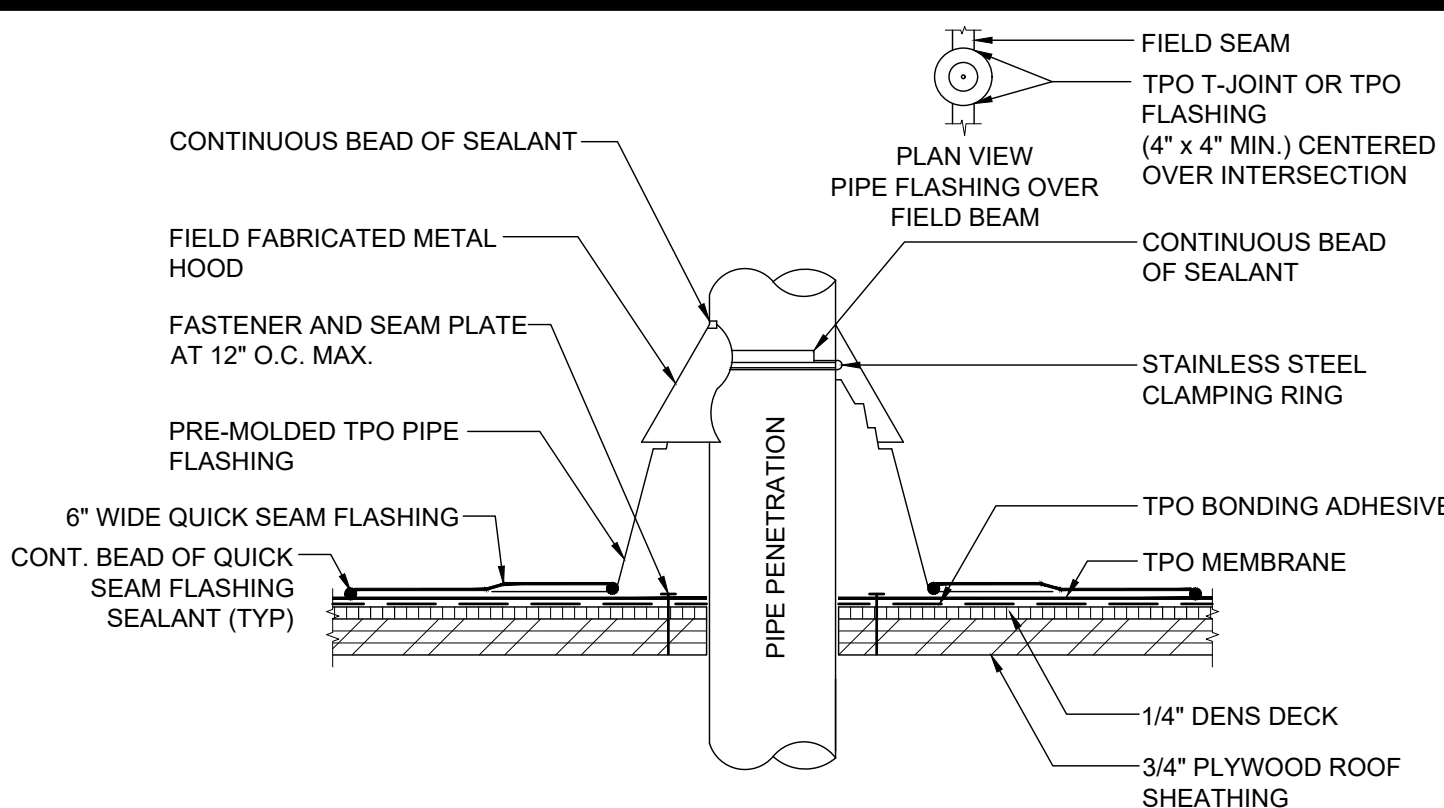
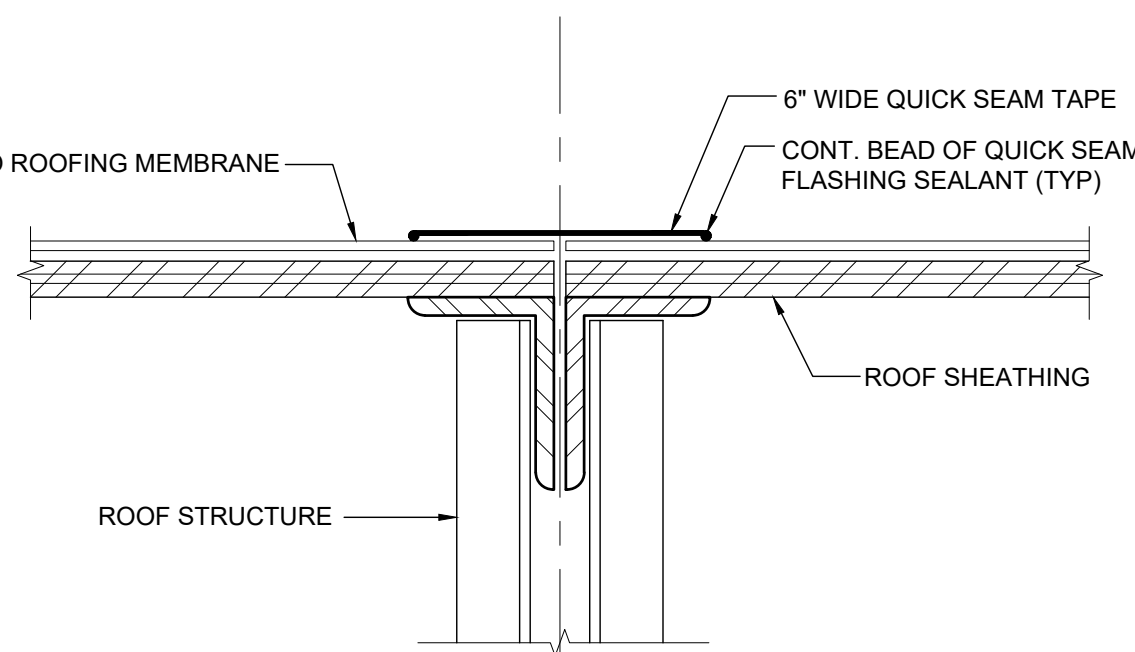
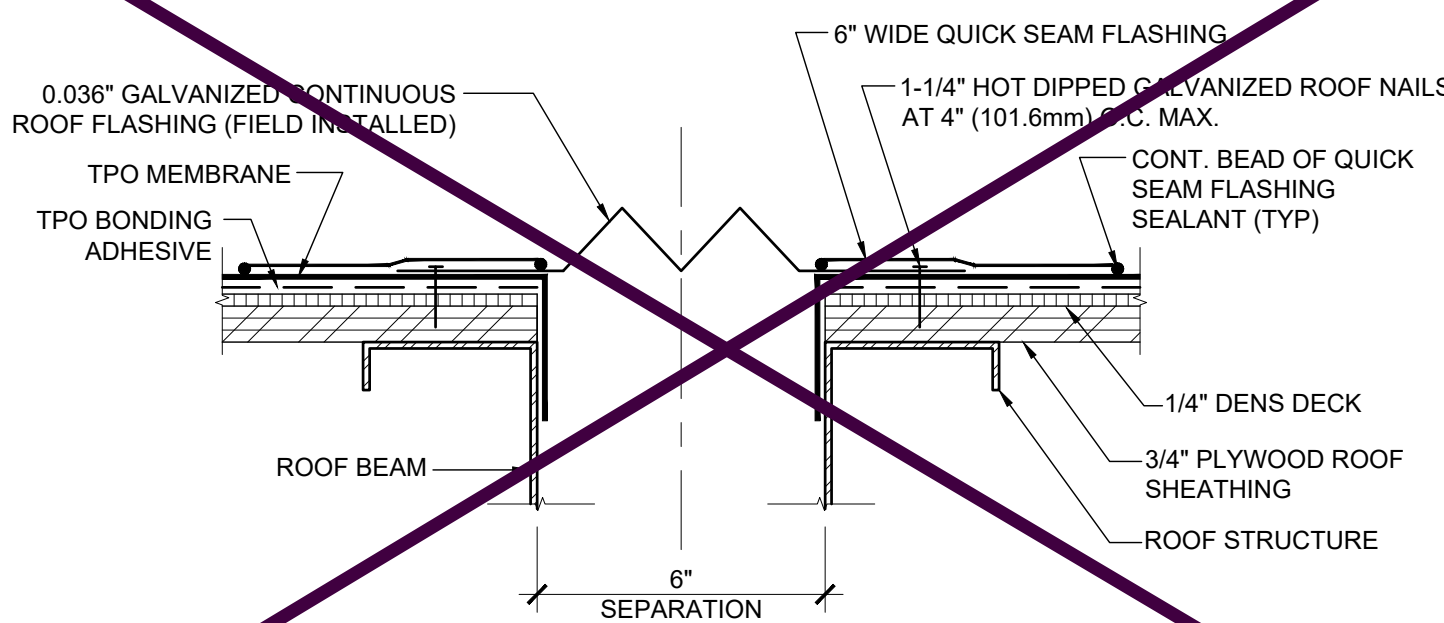
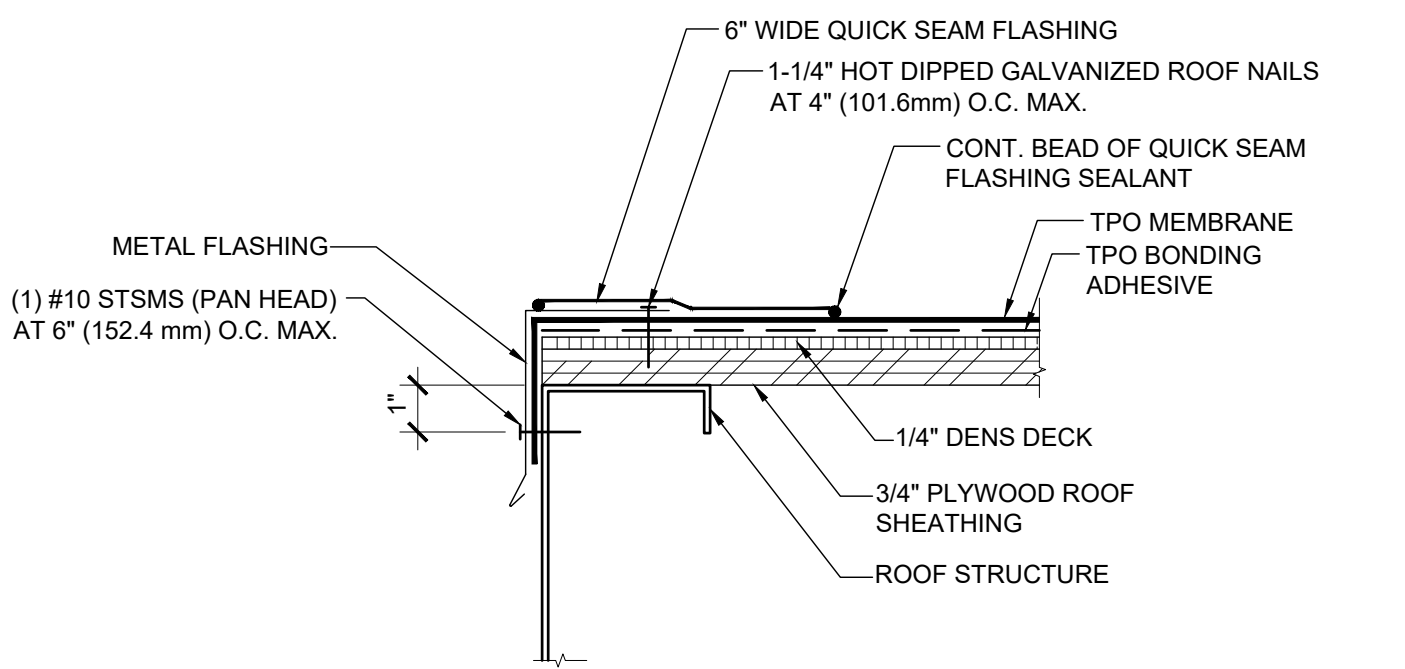
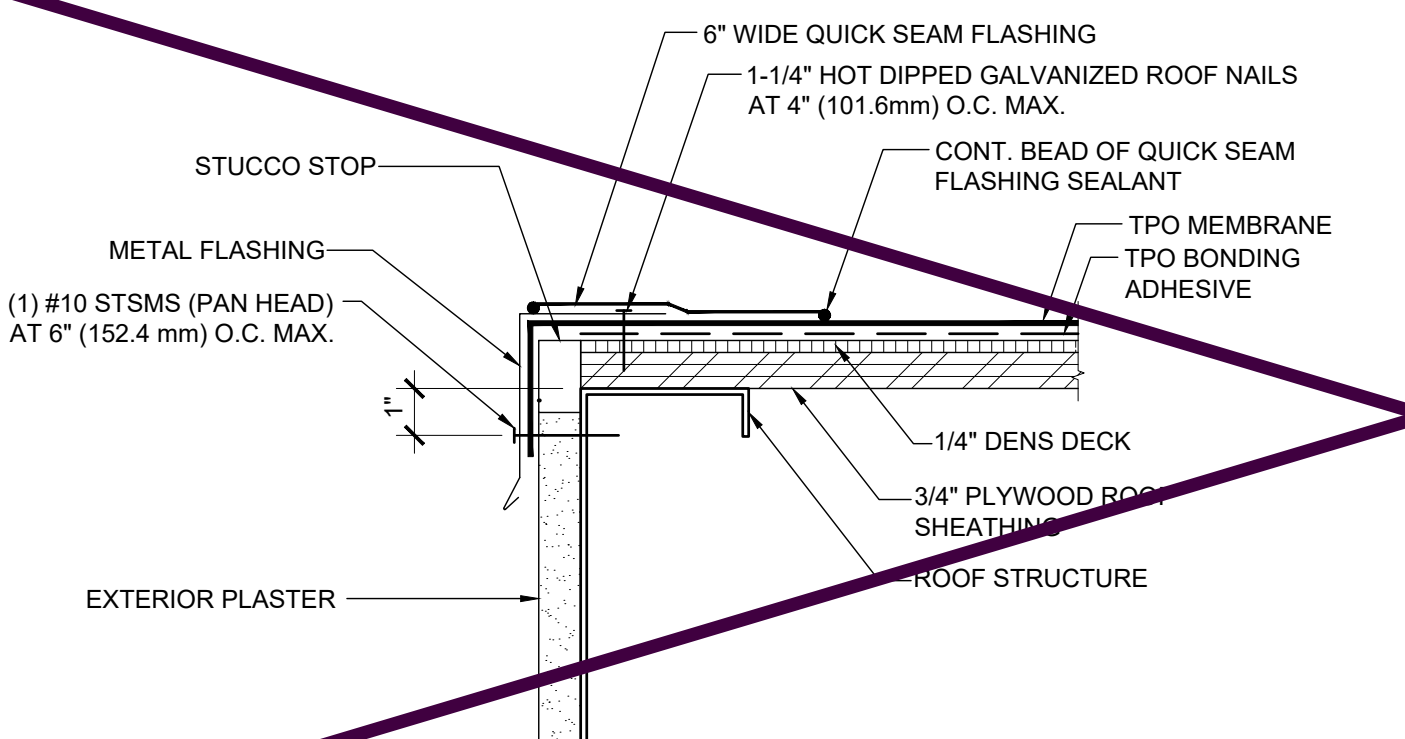
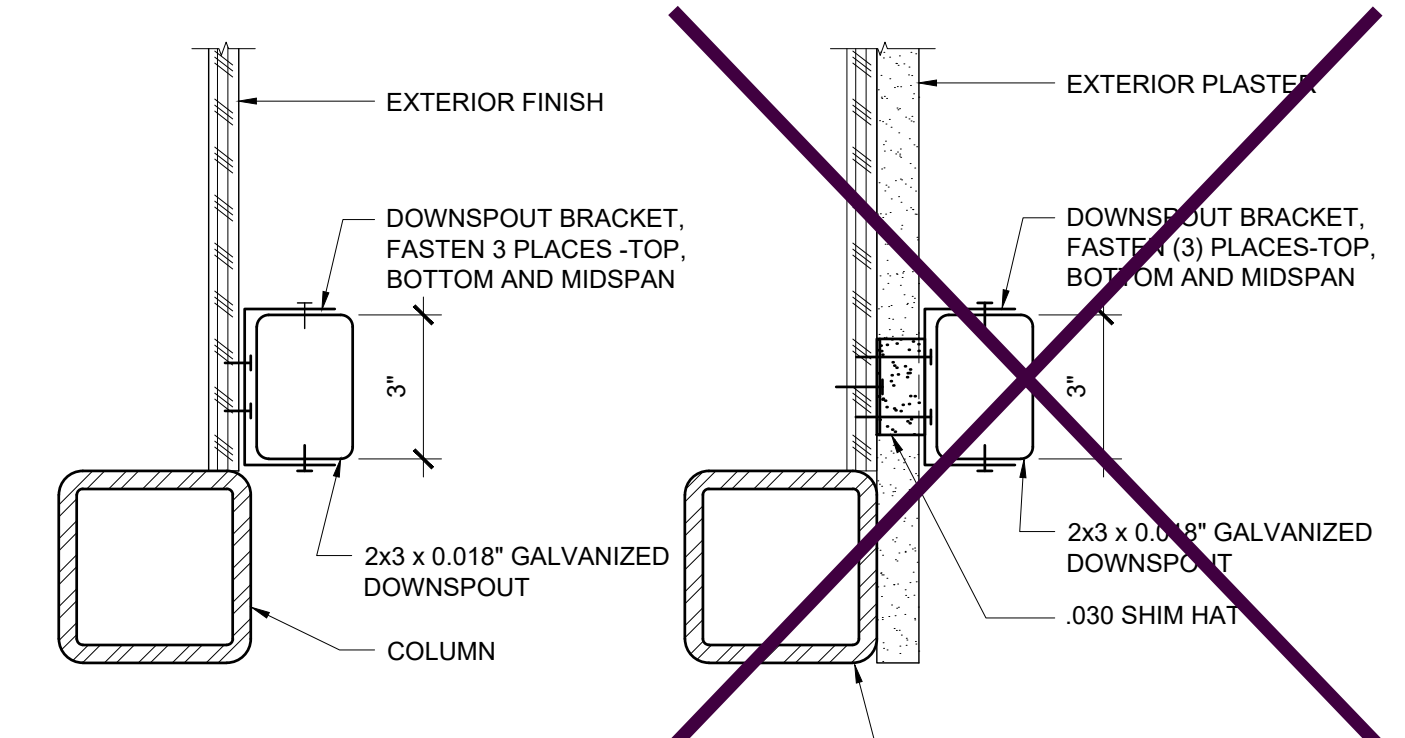
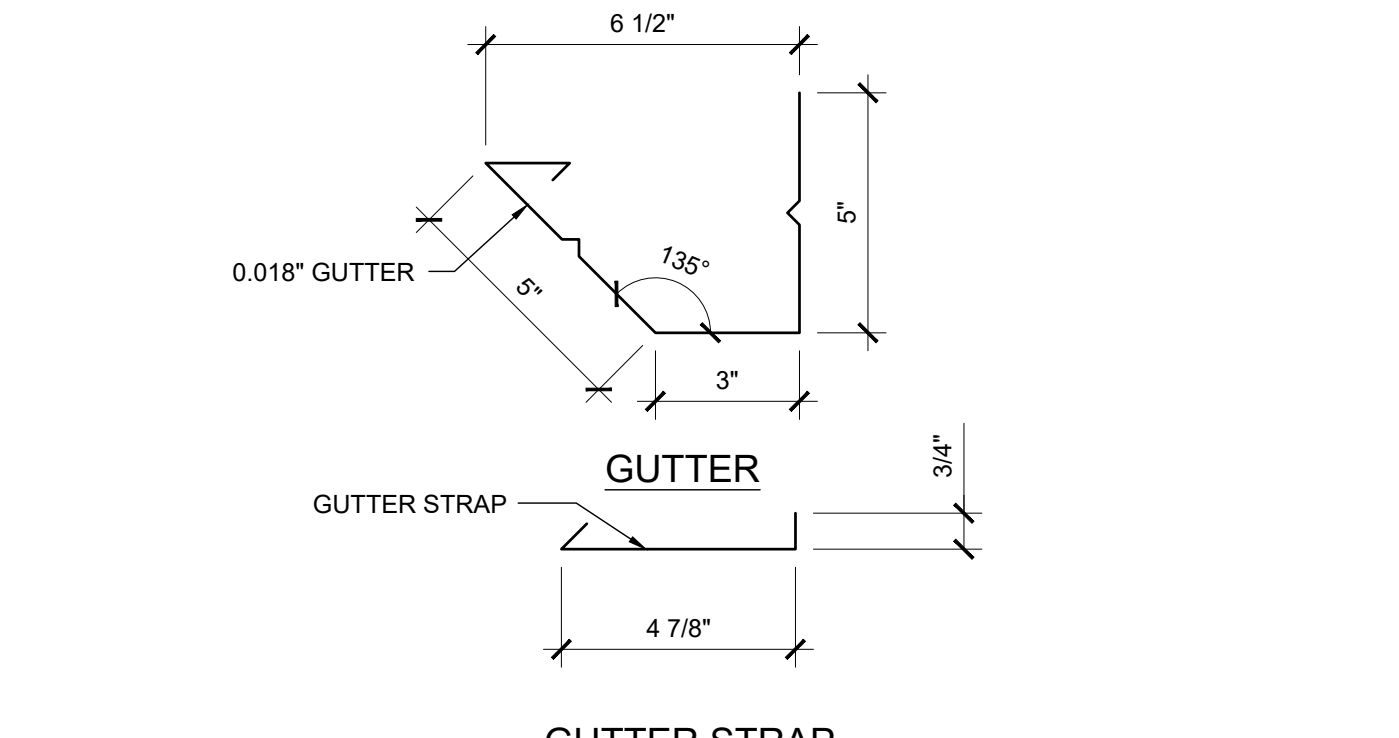
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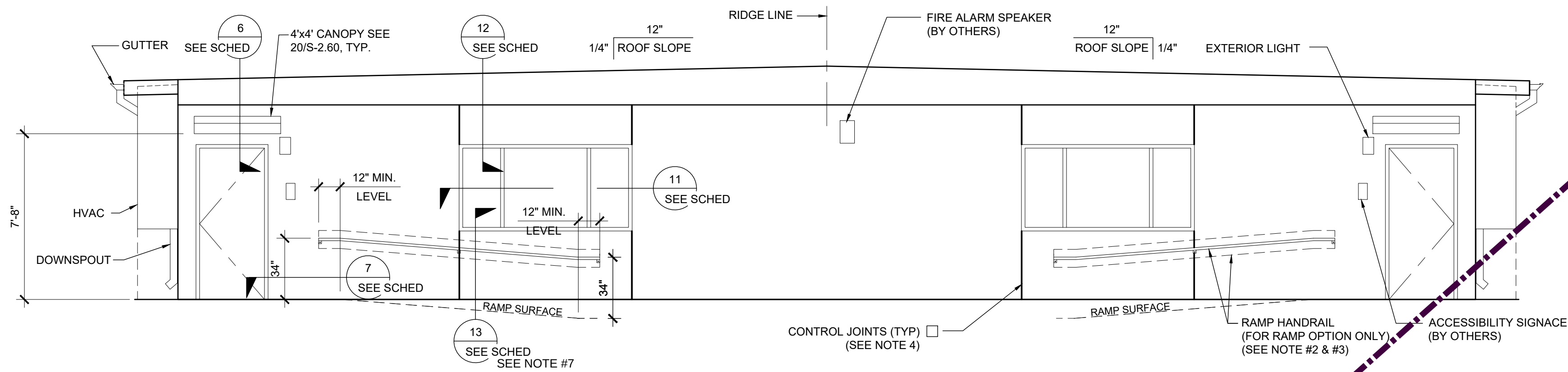
SCALE: AS NOTED

DATE:	09-19-2023
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P.C. SHEET NUMBER

A-3.41

<div><div><div>NOTE: "DENS-DECK" OVERLAYMENT w/ ALL JOINTS MUST BE STAGGERED A MINIMUM OF 8" FROM THE PLYWOOD JOINT</div><div>NOTE: NAIL ALL 4/ CORNERS OF EACH SHEET OF DENS-DECK FOR TEMP PLACEMENT</div><div>(18) #12 x 1 5/8" WS FASTENERS W/ WASHER PER 4'x8' SHEET (TYP)</div></div><div>18 FASTENERS PER BOARD FMRC 1-90 WIND UPLIFT / (18) FASTENERS PER 4' x 8' BOARD</div></div>		<div><div>FIELD SEAM TPO T-JOINT OR TPO FLASHING (4" x 4" MIN.) CENTERED OVER INTERSECTION CONTINUOUS BEAD OF SEALANT FIELD FABRICATED METAL HOOD FASTENER AND SEAM PLATE - AT 12" O.C. MAX. PRE-MOLDED TPO PIPE FLASHING 6" WIDE QUICK SEAM FLASHING CONT. BEAD OF QUICK SEAM FLASHING SEALANT (TYP) PIPE PENETRATION PLAN VIEW PIPE FLASHING OVER FIELD BEAM CONTINUOUS BEAD OF SEALANT STAINLESS STEEL CLAMPING RING TPO BONDING ADHESIVE TPO MEMBRANE 1/4" DENS DECK 3/4" PLYWOOD ROOF SHEATHING</div></div>		<div><div>TPO ROOFING MEMBRANE 6" WIDE QUICK SEAM TAPE CONT. BEAD OF QUICK SEAM FLASHING SEALANT (TYP) ROOF SHEATHING ROOF STRUCTURE</div></div> <div>REF: A3.41, A3.43</div>		<div>IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 01-122646 INC: REVIEWED FOR SS ☒ FLS ☒ ACS ☒ DATE: 11/26/2025</div> <div>PROJECT SPECIFIC STATE AGENCY APPROVAL</div> <div>THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK 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</div> <div>PROJECT NAME: SOUTH SAN FRANCISCO U.S.D. U.S.D. SAN FRANCISCO H.S.</div> <div>SHEET TITLE: ROOFING DTAILS TPO ROOF</div> <div>REVISIONS</div> <div>PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED</div> <div>APPROVED DIV. OF THE STATE ARCHITECT APP: 04-122602 PC REVIEWED FOR SS ☒ FLS ☒ ACS ☒ CG ☒ DATE: 10/10/2023</div> <div>PC STATE AGENCY APPROVAL</div> <div><div>Silver Creek 2830 BARRETT AVE PERRIS, CALIFORNIA 92571 PHONE: 951-943-5393 FAX: 951-943-2211</div></div> <div>MODULAR BUILDING DESIGN PROFESSIONAL ADDED T.P.O. FASTENER LAYOUT 12/12/12</div> <div><div>SILVER CREEK INDUSTRIES 24' x 60' PC</div><div>PROJECT NO: DRAWN BY: SCALE: AS NOTED DATE: 09-19-2023</div><div>P.C. SHEET NUMBER A-3.90</div></div>						
TYP 4x8 SHEET FASTENER LAYOUT		SCALE: NTS	16	DETAIL AT PIPE FLASHING	SCALE: 3"=1'-0"	11	NOT USED	6	TPO ROOF AT MODLINE	SCALE: 3"=1'-0"	1	
<div><div>0.036" GALVANIZED CONTINUOUS ROOF FLASHING (FIELD INSTALLED) TPO MEMBRANE TPO BONDING ADHESIVE 6" WIDE QUICK SEAM FLASHING 1-1/4" HOT DIPPED GALVANIZED ROOF NAILS AT 4" (101.6mm) O.C. MAX. CONT. BEAD OF QUICK SEAM FLASHING SEALANT (TYP) 1/4" DENS DECK 3/4" PLYWOOD ROOF SHEATHING ROOF BEAM ROOF STRUCTURE 6" SEPARATION</div></div>		SEPARATION AT ROOF		SCALE: 3"=1'-0"	17	NOT USED	12	NOT USED	7	TPO LAP SPLICE	SCALE: 6" = 1'-0"	2
<div><div>6" WIDE QUICK SEAM FLASHING 1-1/4" HOT DIPPED GALVANIZED ROOF NAILS AT 4" (101.6mm) O.C. MAX. CONT. BEAD OF QUICK SEAM FLASHING SEALANT TPO MEMBRANE TPO BONDING ADHESIVE METAL FLASHING (1) #10 STSMS (PAN HEAD) AT 6" (152.4 mm) O.C. MAX. 1/4" DENS DECK 3/4" PLYWOOD ROOF SHEATHING ROOF STRUCTURE</div></div> <div>REF: A3.41, A3.43</div>		ROOF AT SIDEWALL / HIGH END		SCALE: 3" = 1'-0"	13	NOT USED	8	ROOF AT LOW END	SCALE: 3"=1'-0"	3		
<div><div>6" WIDE QUICK SEAM FLASHING 1-1/4" HOT DIPPED GALVANIZED ROOF NAILS AT 4" (101.6mm) O.C. MAX. CONT. BEAD OF QUICK SEAM FLASHING SEALANT TPO MEMBRANE TPO BONDING ADHESIVE METAL FLASHING (1) #10 STSMS (PAN HEAD) AT 6" (152.4 mm) O.C. MAX. 1/4" DENS DECK 3/4" PLYWOOD ROOF SHEATHING ROOF STRUCTURE STUCCO STOP EXTERIOR PLASTER .018 GALV. GUTTER SEE 5/-</div></div> <div>REF: A3.41, A3.43</div>		ROOF AT SIDEWALL / HIGH END		SCALE: 3" = 1'-0"	14	NOT USED	9	ROOF AT LOW END	SCALE: 3" = 1'-0"	4		
<div><div>EXTERIOR FINISH EXTERIOR PLASTER DOWNSPOUT BRACKET, FASTEN 3 PLACES -TOP, BOTTOM AND MIDSPAN 2x3 x 0.018" GALVANIZED DOWNSPOUT COLUMN DOWNSPOUT BRACKET, FASTEN (3) PLACES -TOP, BOTTOM AND MIDSPAN 2x3 x 0.018" GALVANIZED DOWNSPOUT .030 SHIM HAT COLUMN</div></div> <div>REF: A3.41, A3.43</div>		DOWNSPOUT ATTACHMENT		SCALE: 3" = 1'-0"	15	NOT USED	10	0.018" GUTTER AND GUTTER STRAP	SCALE: 3" = 1'-0"	5		
<div><div>6 1/2" 5" 135° 0.018" GUTTER GUTTER STRAP 4 7/8" 3/4"</div></div> <div>REF: A3.90</div>		0.018" GUTTER AND GUTTER STRAP		SCALE: 3" = 1'-0"	20	NOT USED	15					



EXTERIOR ELEVATIONS - FRONT

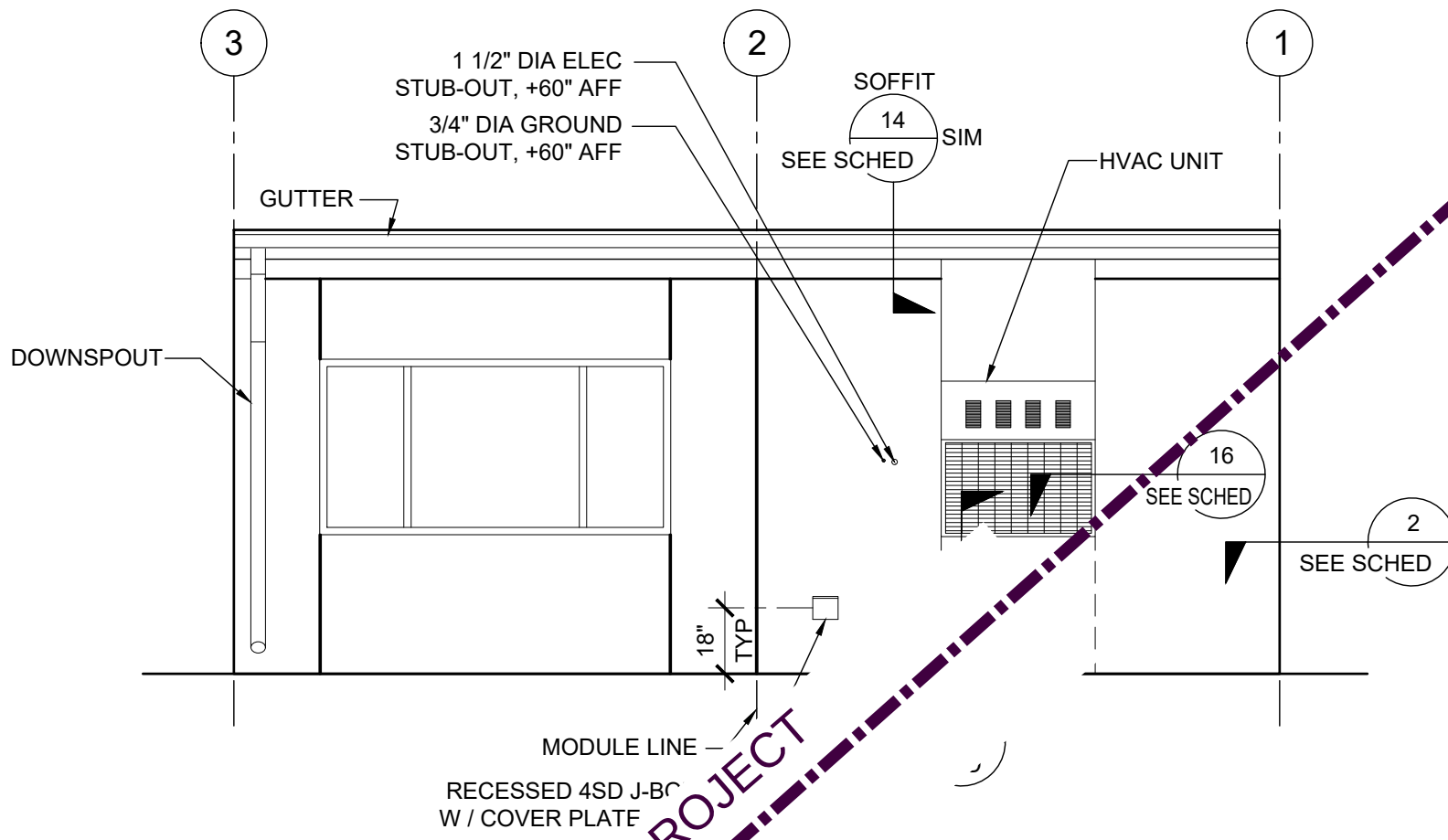
SCALE: 1/4" = 1' - 0"

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

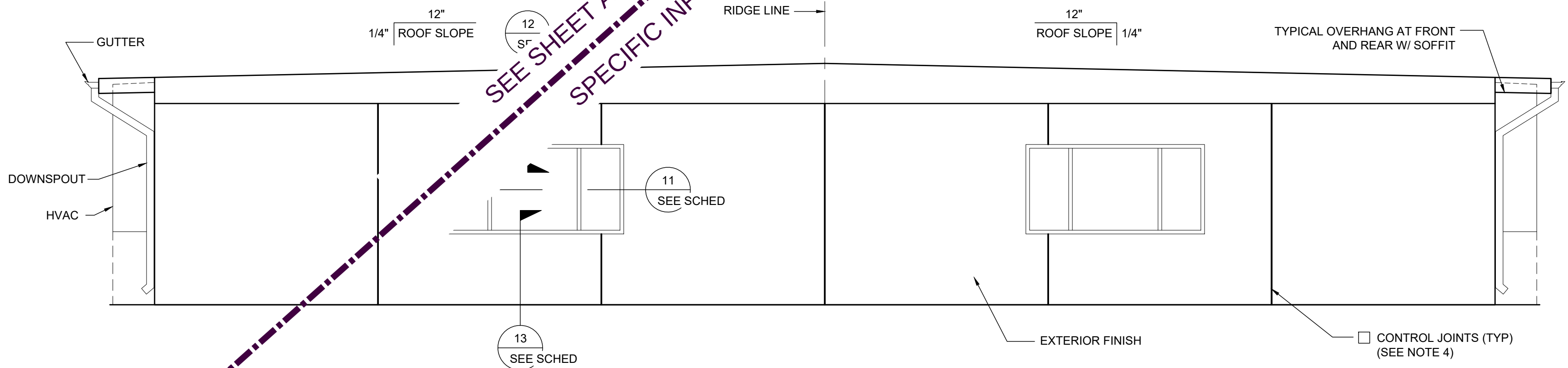
FIRE RATED DETAIL SCHEDULE

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



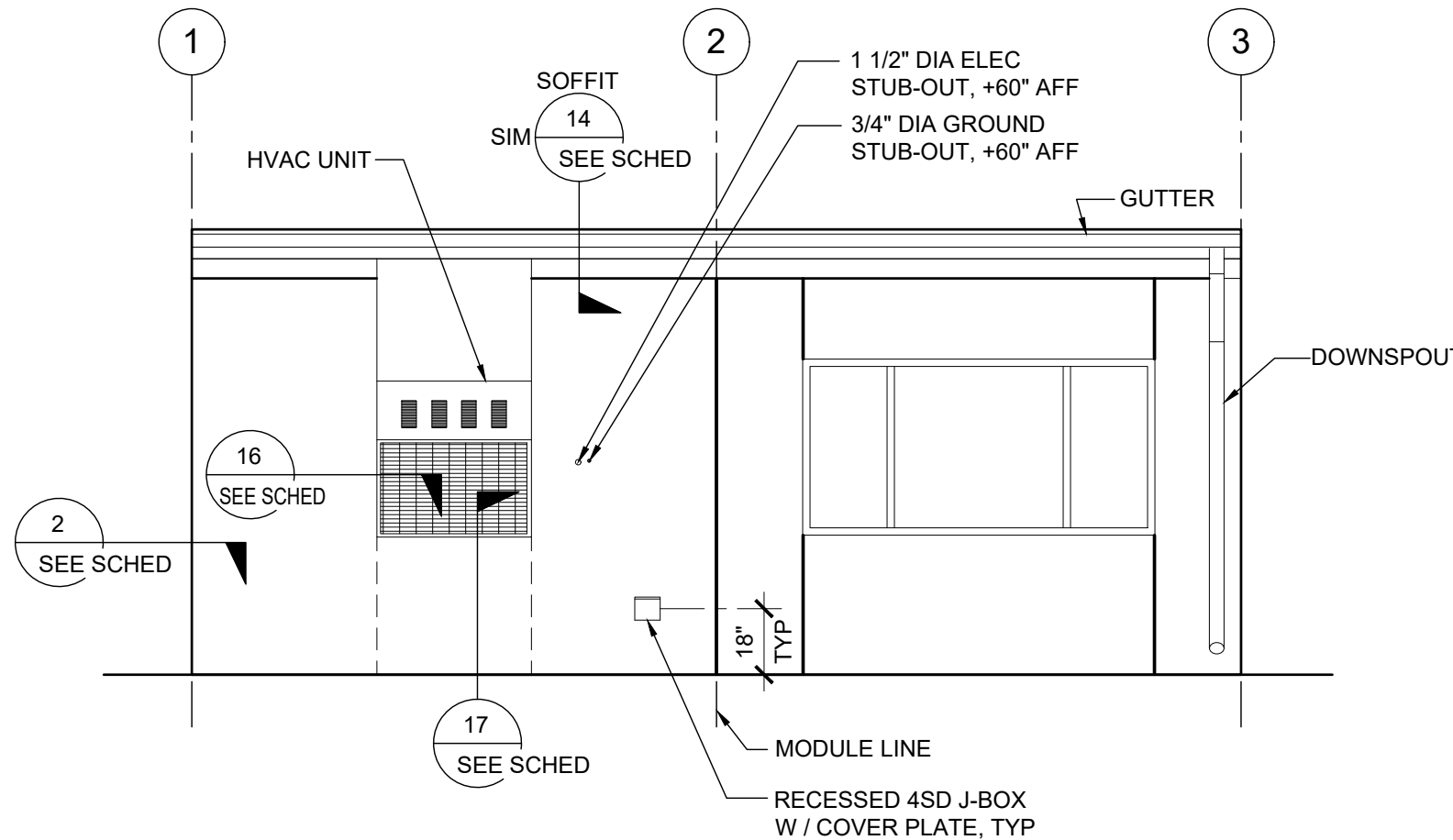
EXTERIOR ELEVATIONS - LEFT

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



EXTERIOR ELEVATIONS - REAR

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

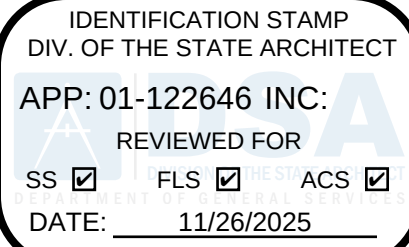


EXTERIOR ELEVATIONS - RIGHT

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

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.
7. OFFSET RAMP, PER SHEET R-1.02, MUST BE USED WITH STUCCO WALL FINISH OR WHERE ADJACENT TO A 1 HOUR FIRE RESISTANCE RATED EXTERIOR WALL



PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

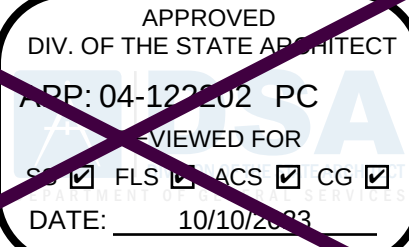
SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

EXTERIOR ELEVATION
24' X 60'
OPTION "A-1" & "A-3"

REVISIONS
1
2
3
4
5

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



PC STATE AGENCY APPROVAL



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 09-19-2023

P.C. SHEET NUMBER

A-4.01

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	
FINISH:	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
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.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

CROSS SECTION DUAL SLOPE

REVISIONS

1	
2	
3	
4	
5	

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122602 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023

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 60' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 09-19-2023

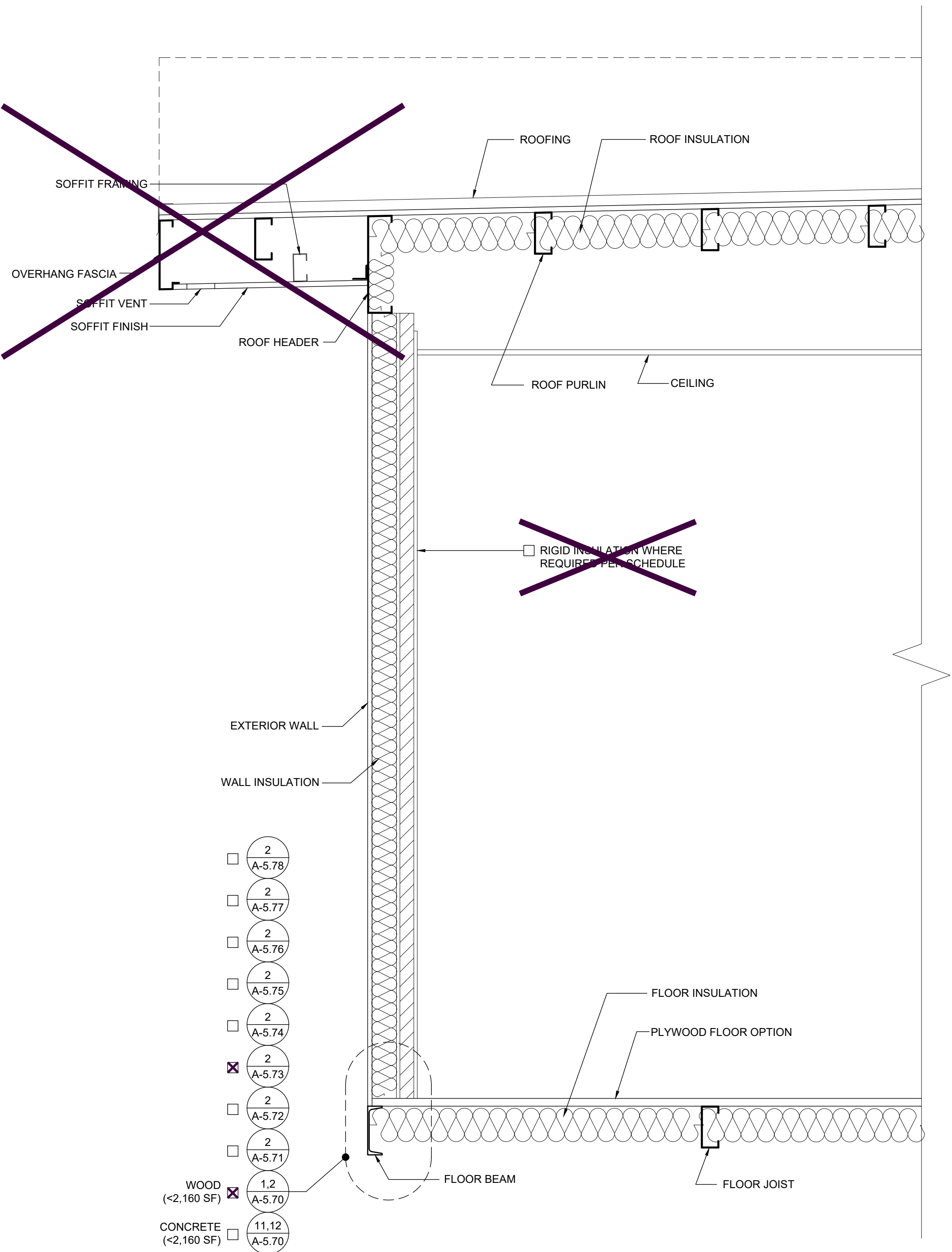
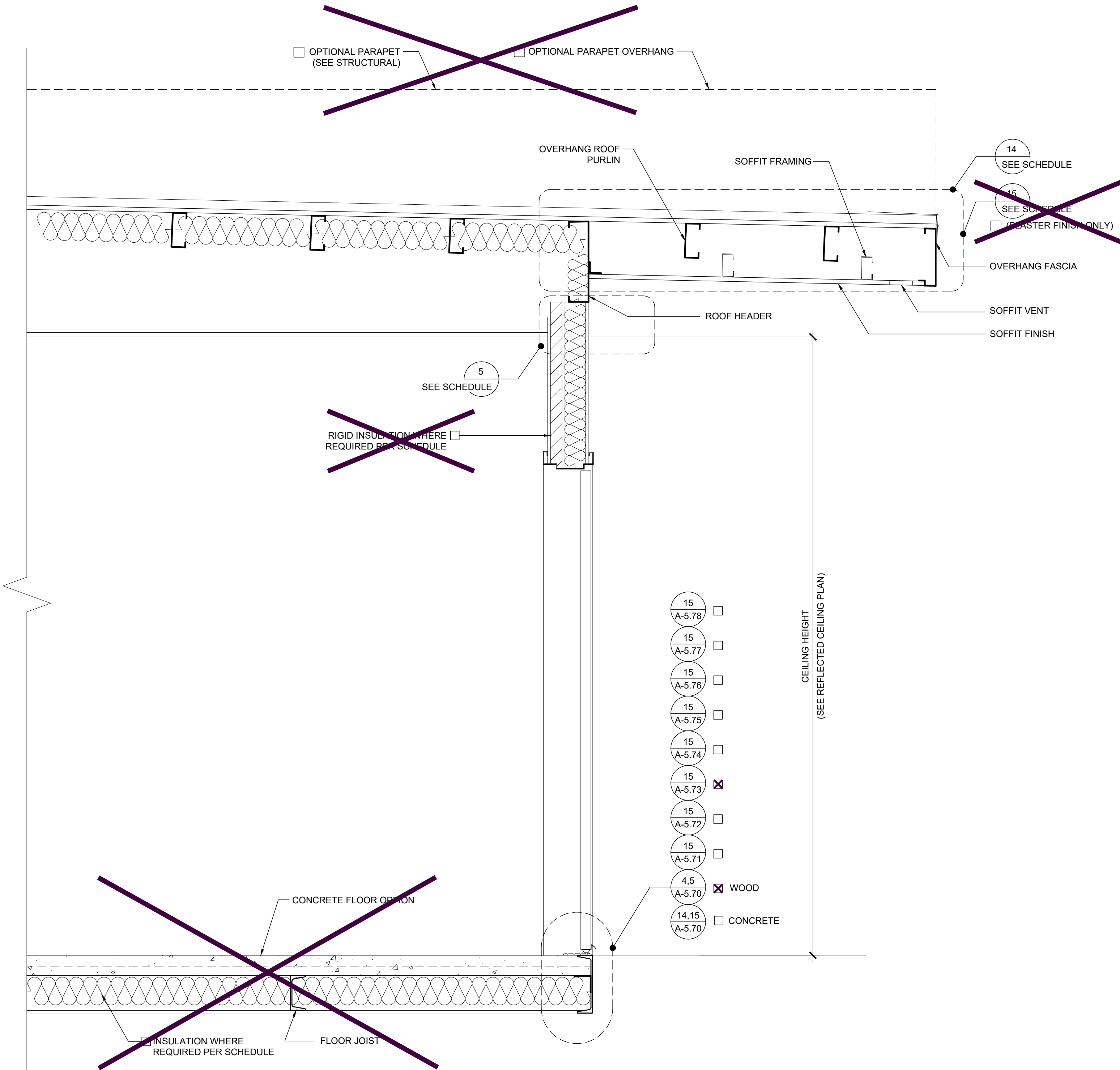
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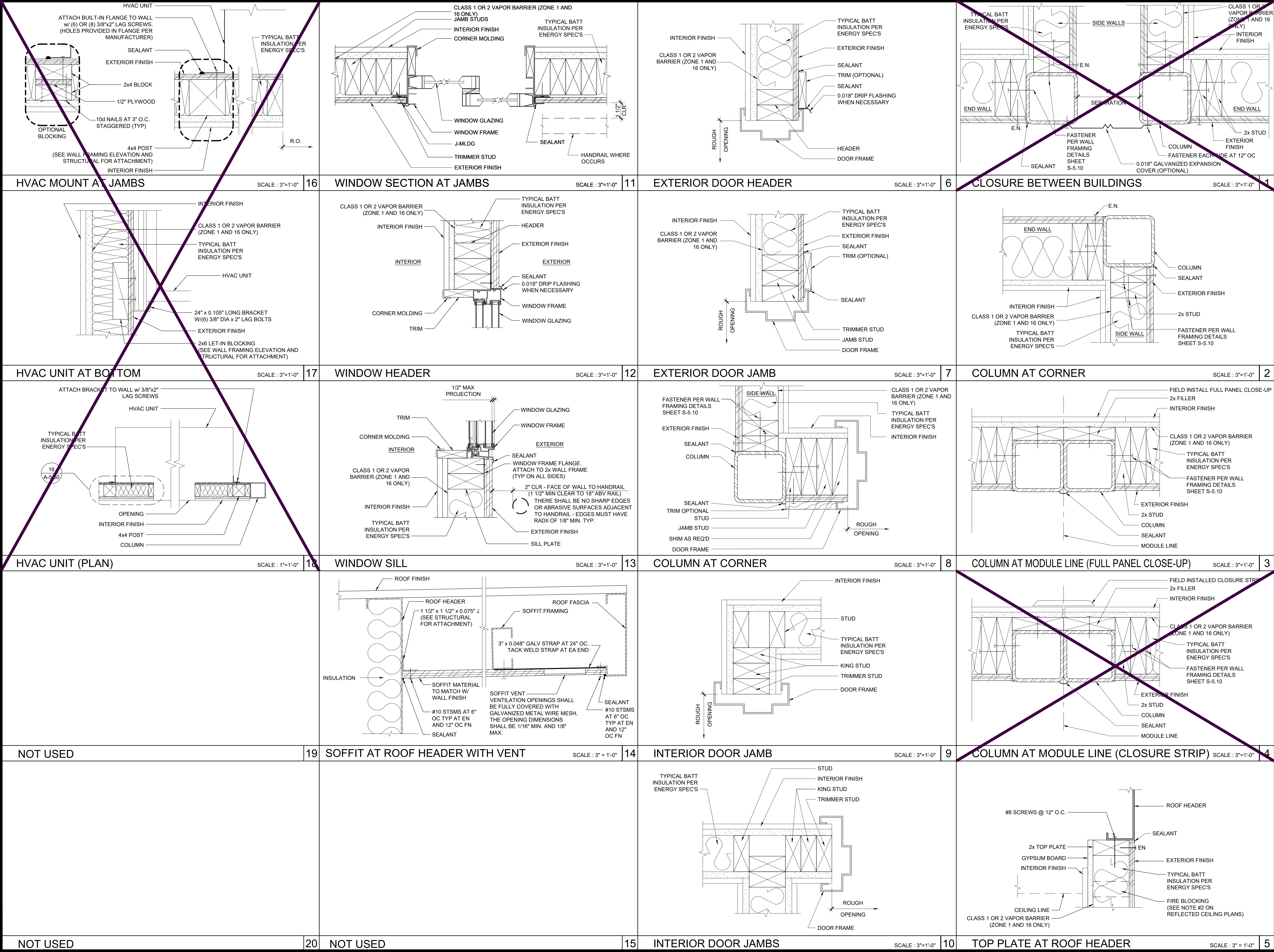
A-5.02

SCALE: 1" = 1' - 0"

1

BUILDING SECTION





IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
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SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
**SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.**

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

REVISIONS

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122602 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023

PC STATE AGENCY APPROVAL

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

MODULAR BUILDING DESIGN PROFESSIONAL

John W. Starlin
REGISTERED PROFESSIONAL ENGINEER
STRUCTURAL
STATE OF CALIFORNIA

SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:

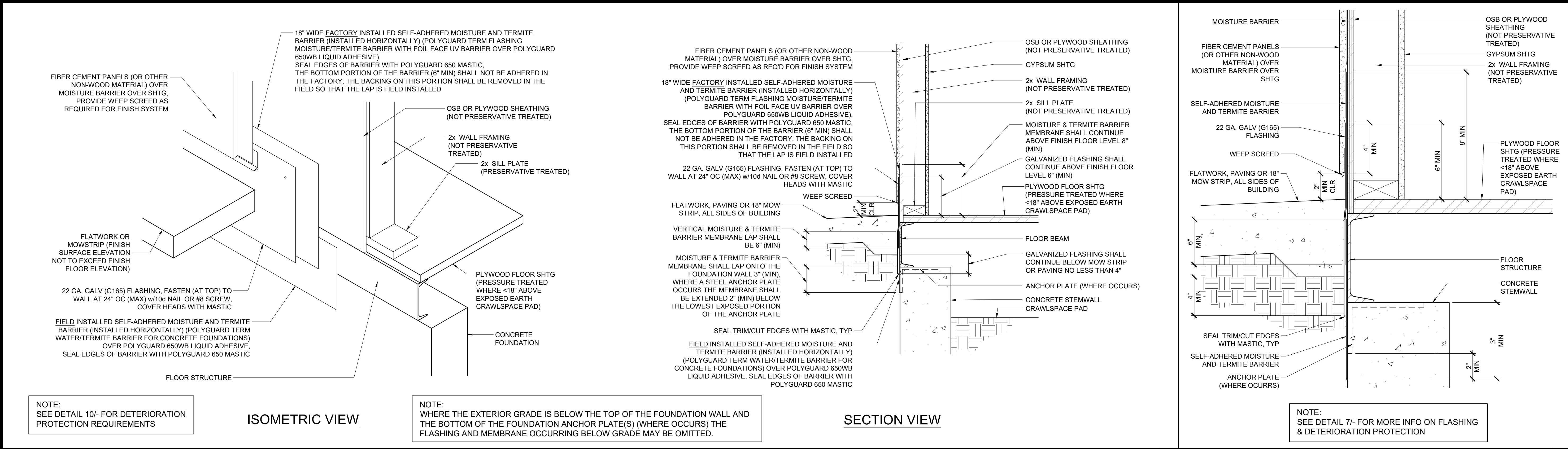
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SCALE: AS NOTED

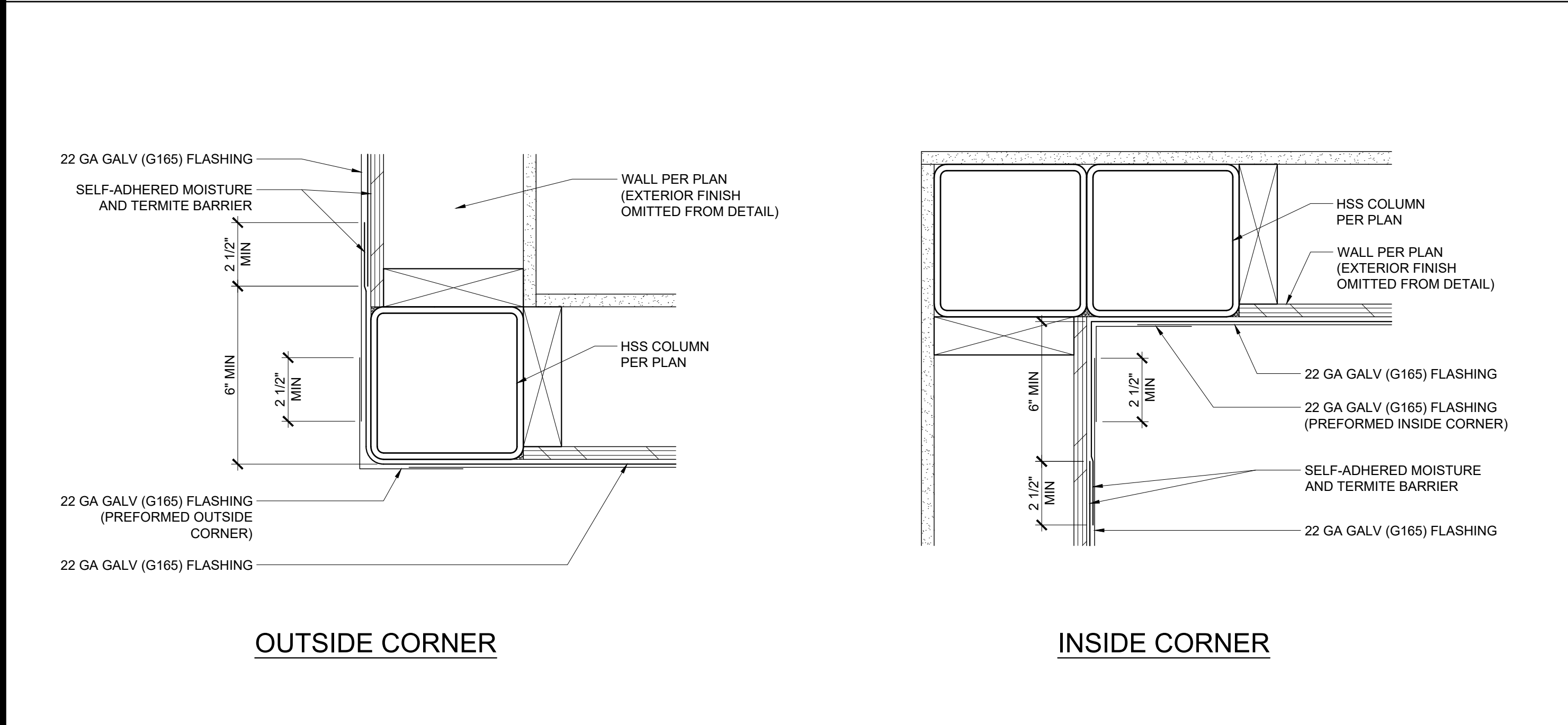
DATE: 09-19-2023

P.C. SHEET NUMBER

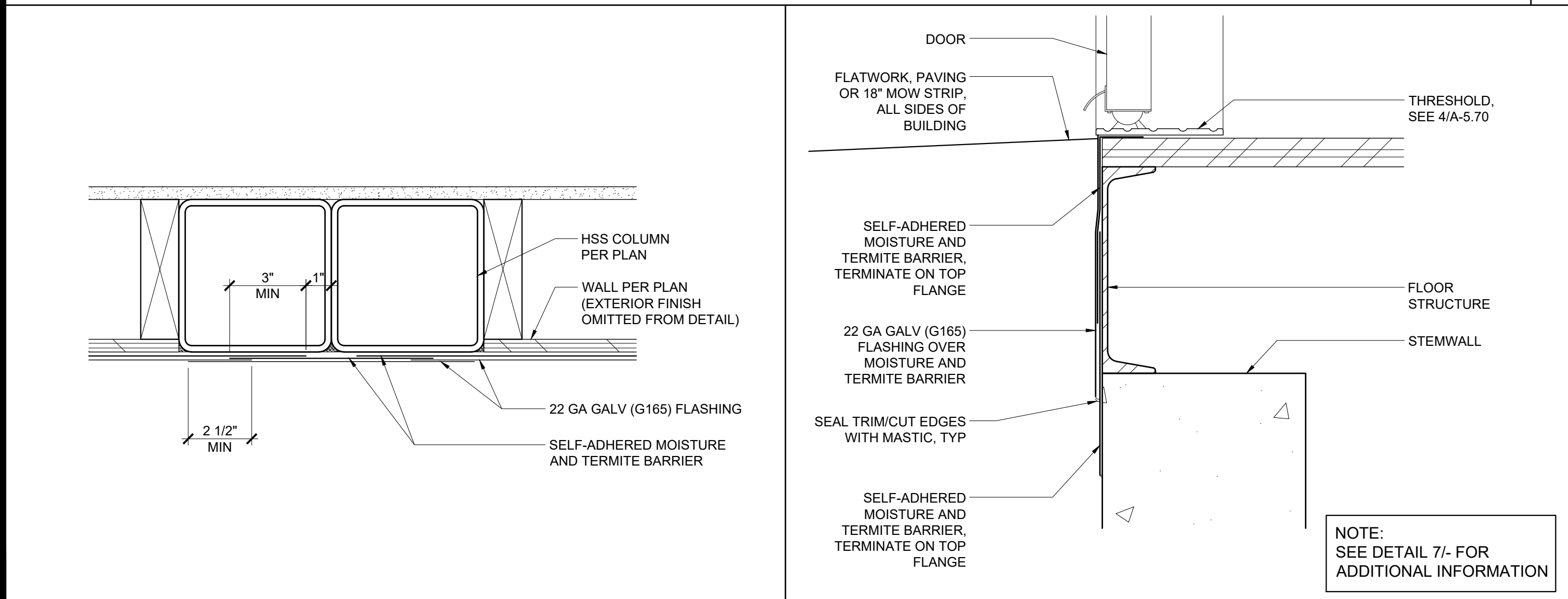
A-5.50



DETERIORATION PROTECTION 7 TYPICAL EXTERIOR WALL SILL SCALE : NTS 2



DETERIORATION PROTECTION - CORNER CONDITIONS 14 SCALE : NTS



DETERIORATION PROTECTION - MODLINE 20 SCALE : NTS

MOISUTRE AND TERMITE BARRIER MEMBRANE FLASHING INSTALLATION REQUIREMENTS

- ALL SURFACES SHALL BE CLEAN (FREE OF DIRT, DUST, OIL AND OTHER DEBRIS) PRIOR TO APPLICATION OF THE ADHESIVE AND MEMBRANE.
- ALL SURFACE VOIDS GREATER THAN 1/8" IN WIDTH SHALL BE FILLED WITH SEALANT PRIOR TO INSTALLATION.
- APPLY LIQUID ADHESIVE TO ALL SURFACES WHICH WILL RECEIVE THE FLASHING BARRIER.
- CUT PIECES OF MEMBRANE TO LENGTH AS NEEDED AND APPLY TO SUBSTRATE ONCE THE LIQUID ADHESIVE HAS BECOME TACKY. IMMEDIATELY PRIOR TO MEMBRANE APPLICATION, THE INSTALLER SHALL VERIFY THAT THE ADHESIVE IS STILL TACKY TO THE TOUCH. IF NECESSARY A SECOND LAYER OF ADHESIVE SHALL BE PROVIDED.
- INSTALL MEMBRANE IN A HORIZONTAL ORIENTATION.
- WHERE A HORIZONTAL LAP OCCURS, THE JOINTS SHALL BE LAPPED 2 1/2 INCHES MINIMUM.
- AT BUILDING CORNERS THE MEMBRANE SHALL BE WRAPPED AROUND THE CORNER AND SHALL EXTEND NO LESS THAN 6" BEYOND THE CORNER PRIOR TO LAPPING ANOTHER SHEET. SEE DETAIL 14/-.
- WHERE ARE MODULE JOINT (MODLINE) OCCURS THE FACTORY INSTALLED MEMBRANE SHALL BE TERMINATED WITHIN 1" OF THE EDGE OF THE MODULE. A FIELD INSTALLED MEMBRANE PIECE SHALL BE APPLIED FOLLOWING THE INSTALLATION OF THE MODULES ON THE FOUNDATION. THE FIELD INSTALLED MEMBRANE PIECE SHALL LAP THE FACTORY INSTALLED MEMBRANE 3" MINIMUM AT EACH END.
- WHERE A VERTICAL LAP OCCURS THE UPPER MEMBRANE LAYER SHALL BE LAPPED OVER THE LOWER MEMBRANE LAYER 6" MINIMUM.
- THE MEMBRANE SHALL BE ROLLED FIRMLY INTO PLACE USING HAND ROLLER.
- APPLY MASTIC OR SEALANT TO TERMINATING EDGES AND AROUND PIPES OR OTHER PENETRATIONS.
- WHERE THE SURFACES ARE OFFSET MORE THAN 1/8" OUT-OF-PLANE PROVIDE SEALANT OR ANOTHER STABLE MATERIAL TO TRANSITION BETWEEN THE SURFACES.
- WHERE A HORIZONTAL LAP OCCURS IN THE GALVANIZED FLASHING THE JOINTS SHALL BE LAPPED 2 1/2" MINIMUM
- REFER TO DETAIL 20/- FOR MODLINE DETERIORATION PROTECTION

REPAIR REQUIREMENTS

WHERE DAMAGE OCCURS, THE REPAIRS SHALL BE AS FOLLOWS:

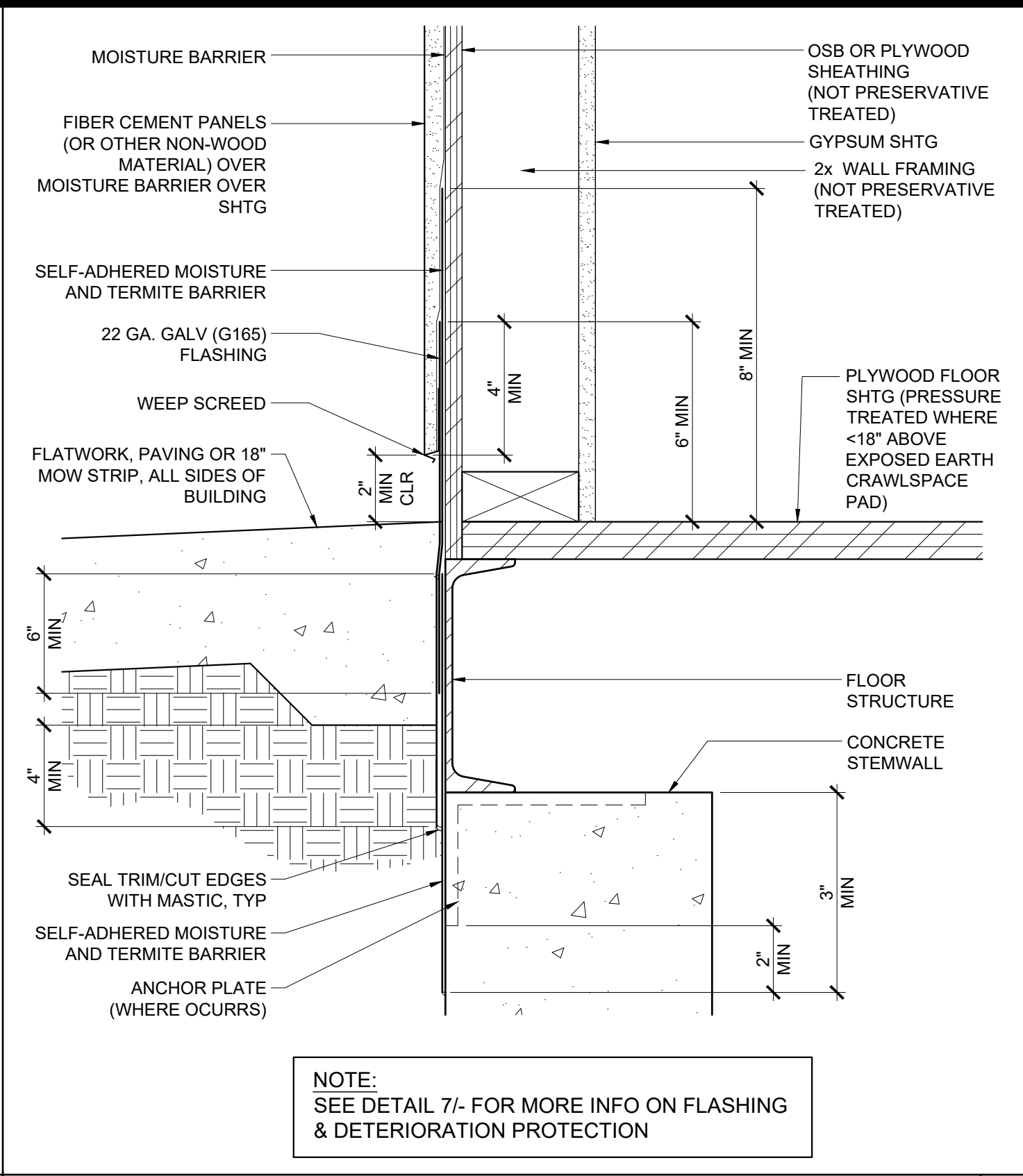
- WHERE THE DAMAGE MEASURES LESS THAN 1/2" IN ANY DIRECTION THE PUNCTURE SHALL BE SEALED WITH MASTIC.
- WHERE THE DAMAGE MEASURES MORE THAN 1/2", BUT LESS THAN 2" IN ANY DIRECTION A PATCH SHALL BE INSTALLED OVER THE DAMAGE USING THE SAME MEMBRANE MATERIAL. THE PATCH SHALL OVERLAP 4" MINIMUM IN ALL DIRECTION.
- WHERE THE DAMAGE MEASURES MORE THAN 2" IN ANY DIRECTION THE DAMAGED PORTION SHALL BE REMOVE AND A PIECE OF MEMBRANE SHALL BE INSTALLED. THE PATCH SHALL OVERLAP 4" MINIMUM IN ALL DIRECTIONS.

INSPECTION REQUIREMENTS

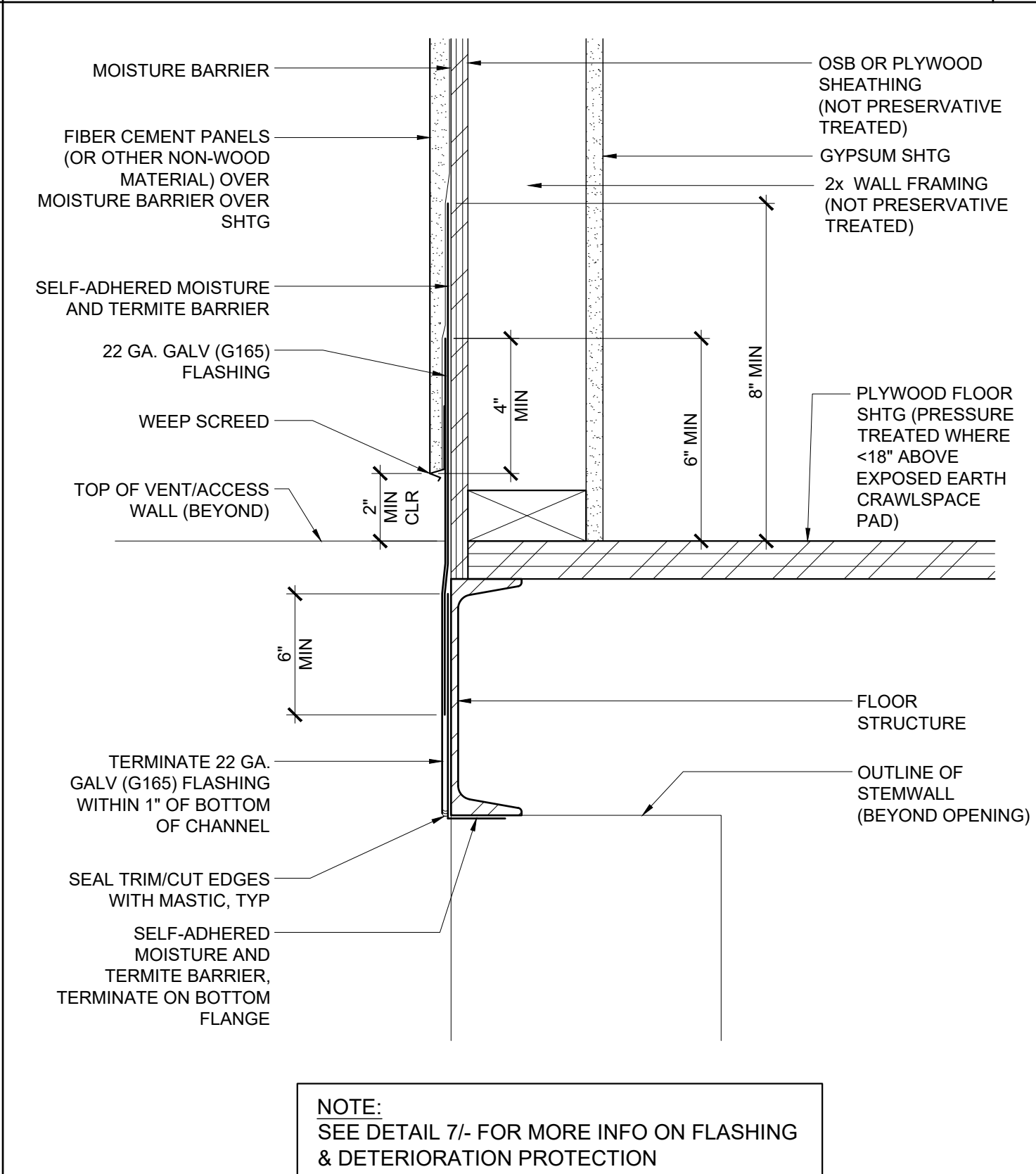
THE IN-PLANT INSPECTOR SHALL OBSERVE THE INSTALLATION OF FACTORY INSTALLED PORTION OF THE MEMBRANE FLASHING. THE ADHESIVE AND MEMBRANE SHALL BE INSTALLED IN ACCORDANCE WITH THESE INSTALLATION INSTRUCTIONS. ALL OVERLAPS SHALL BE AS INDICATED WITHIN THIS DRAWING PACKAGE. THE MEMBRANE SHALL BE CONTINUOUS UP THE WALL TO A MINIMUM HEIGHT ABOVE FINISH FLOOR AS INDICATED WITHIN THIS DRAWING PACKAGE.

THE ON-SITE INSPECTOR SHALL OBSERVE THE INSTALLATION OF THE SITE INSTALLED PORTION OF THE MEMBRANE FLASHING. THE FACTORY INSTALLED MEMBRANE SHOULD BE INVESTIGATED TO DETERMINE IF ANY DAMAGE OCCURRED DURING MODULE SHIPMENT/INSTALLATION PRIOR TO PROCEEDING WITH THE SITE INSTALLED MEMBRANE PLACEMENT. THE ADHESIVE AND MEMBRANE SHALL BE INSTALLED IN ACCORDANCE WITH THESE INSTALLATION INSTRUCTIONS. ALL OVERLAPS SHALL BE AS INDICATED WITHIN THIS DRAWING PACKAGE. THE MEMBRANE SHALL BE LAPPED ONTO THE FOUNDATION WALL AS INDICATED WITHIN THIS DRAWING PACKAGE. THE GALVANIZED FLASHING SHALL BE INSTALLED OVER THE MEMBRANE. THE GALVANIZED FLASHING SHALL BE CONTINUOUS UP THE WALL TO A MINIMUM HEIGHT ABOVE FINISH FLOOR AS INDICATED WITHIN THIS DRAWING PACKAGE AND SHALL CONTINUE BELOW THE BOTTOM OF THE FLATWORK OR MOW STRIP AS INDICATED WITHIN THIS DRAWING PACKAGE.

DETERIORATION PROTECTION REQUIREMENTS 10



7 TYPICAL EXTERIOR WALL SILL SCALE : NTS 2



EXTERIOR WALL SILL @ VENT / ACCESS 4 SCALE : NTS

DETERIORATION PROTECTION @ THRESHOLD

DOOR

FLATWORK, PAVING OR 18" MOW STRIP, ALL SIDES OF BUILDING

THRESHOLD, SEE 4/A-5.70

SELF-ADHERED MOISTURE AND TERMITE BARRIER. TERMINATE ON TOP FLANGE

22 GA GALV (G165) FLASHING OVER MOISTURE AND TERMITE BARRIER

SEAL TRIM/CUT EDGES WITH MASTIC, TYP

FLOOR STRUCTURE

STEMWALL

SELF-ADHERED MOISTURE AND TERMITE BARRIER. TERMINATE ON TOP FLANGE

NOTE: SEE DETAIL 7/- FOR ADDITIONAL INFORMATION

DETERIORATION PROTECTION @ THRESHOLD 15

IDENTIFICATION STAMP
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APP: 01-122646 INC:
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PROJECT NAME:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

DETERIORATION PROTECTION
NON-WOOD FINISH SIDING
WOOD FLOOR - WD STUDS

REVISIONS

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122602 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023

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 60' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 09-19-2023

P.C. SHEET NUMBER

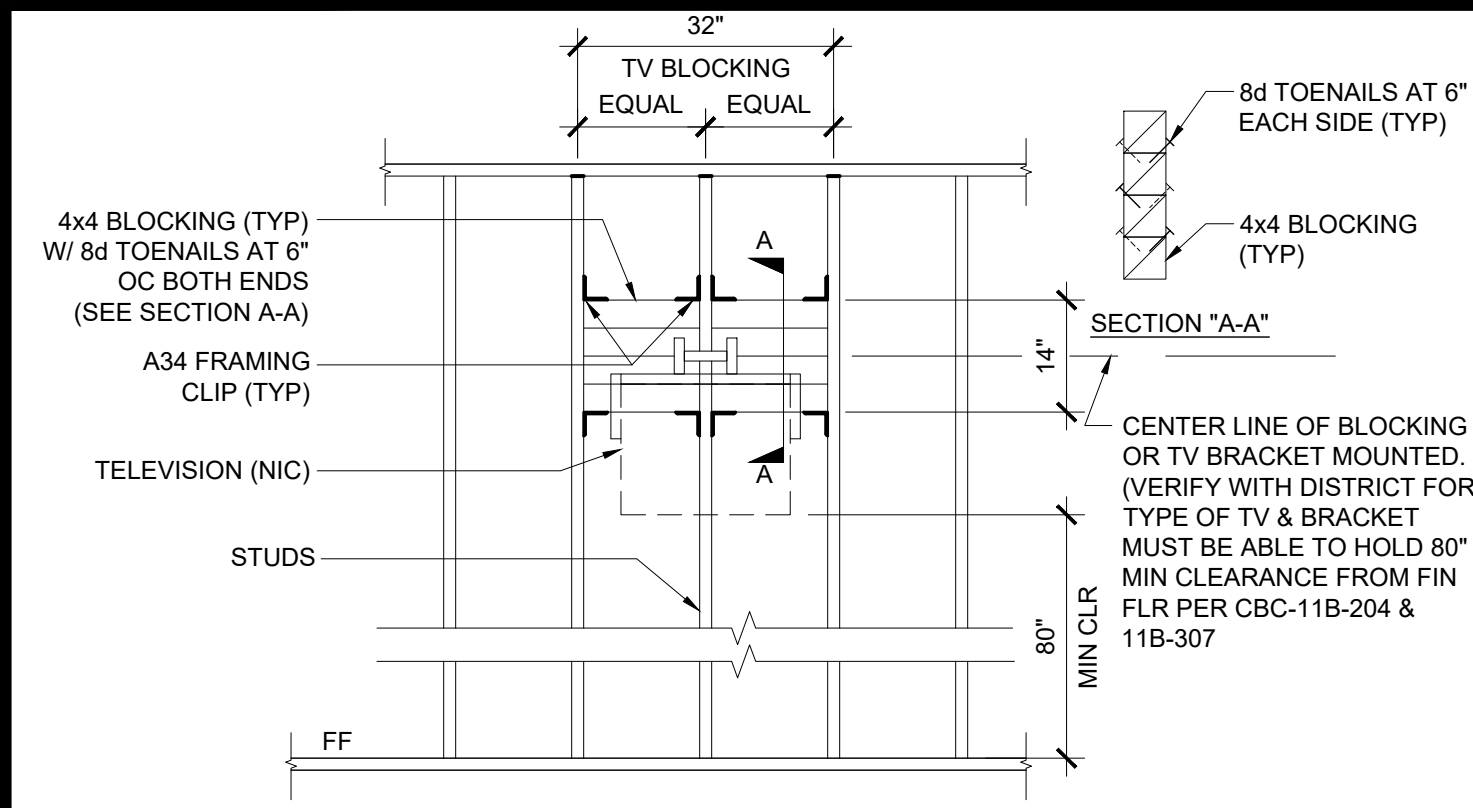
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DETERIORATION PROTECTION REQUIREMENTS 10

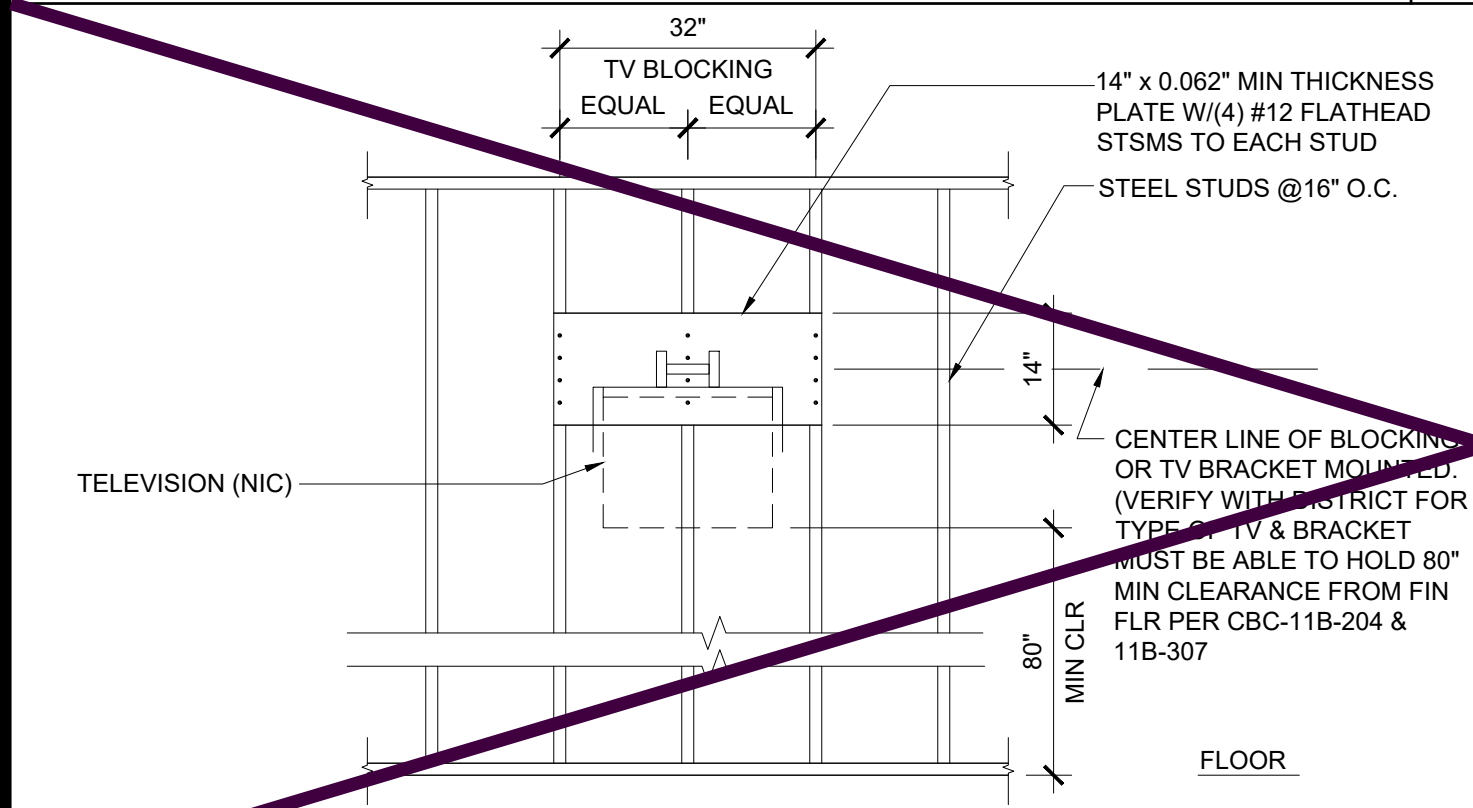
DETERIORATION PROTECTION @ THRESHOLD 15

DETERIORATION PROTECTION - MODLINE 20

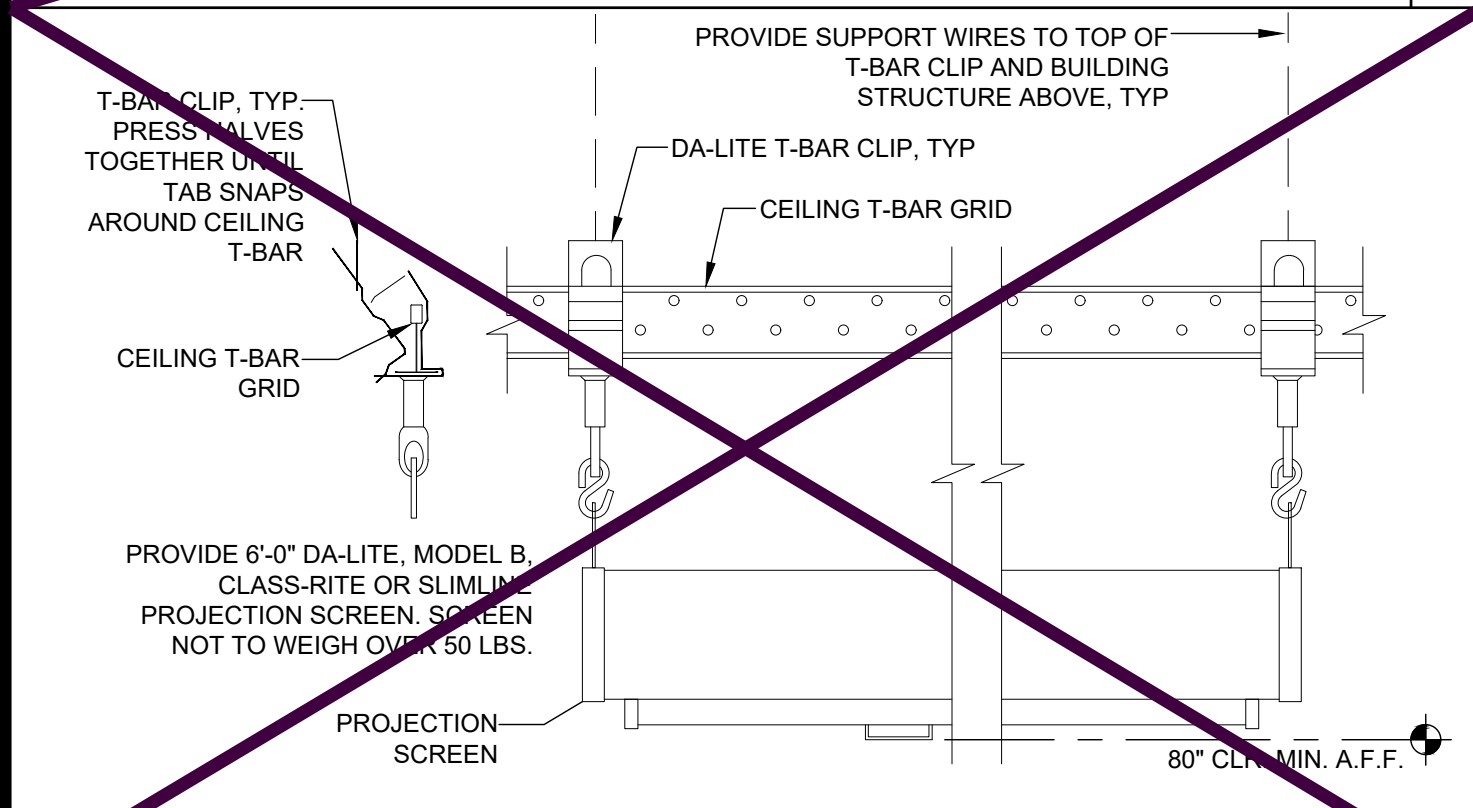
DETERIORATION PROTECTION 7 5



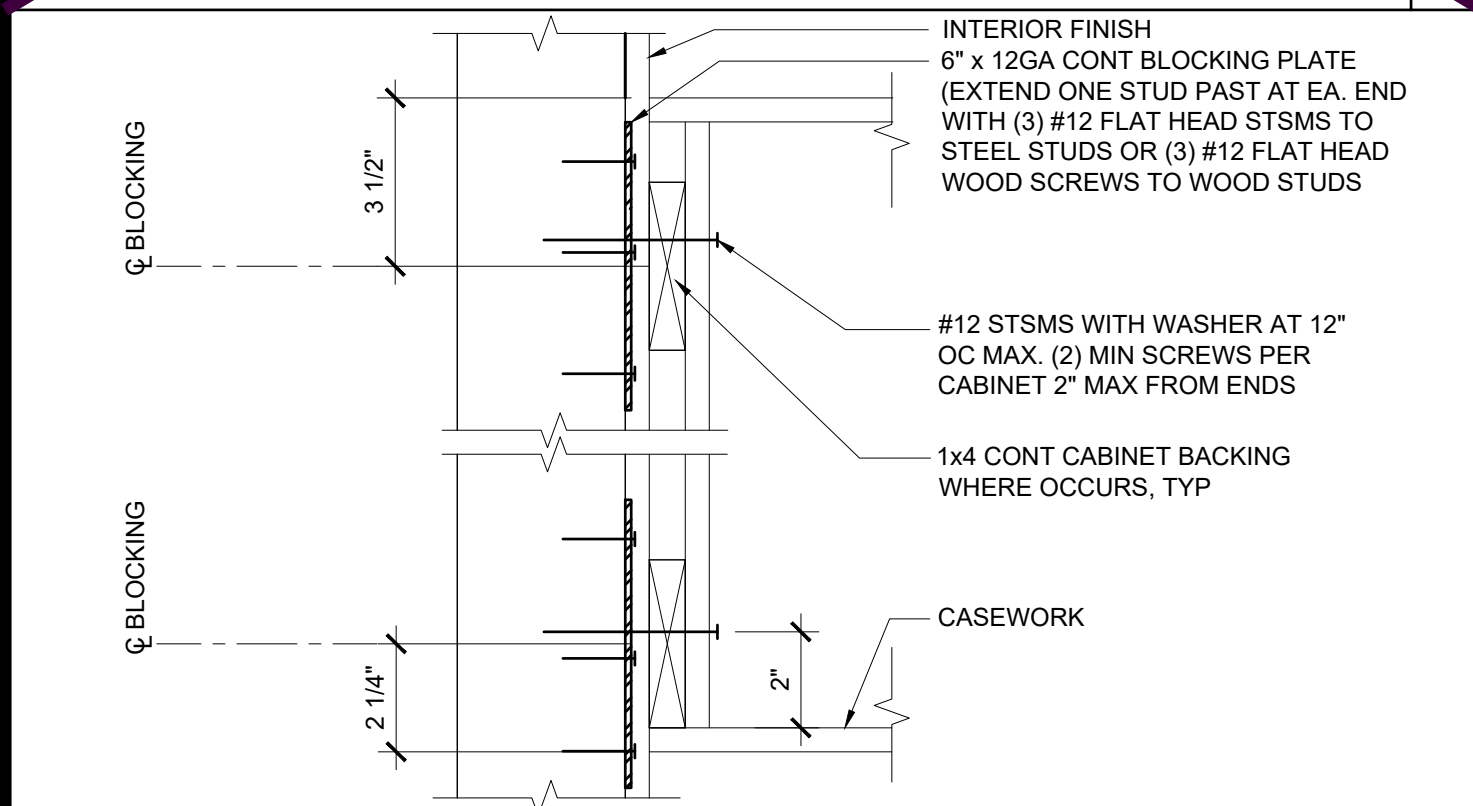
T.V. BLOCKING ATTACHMENT AT WOOD STUD SCALE : 1/2" = 1'-0" 16



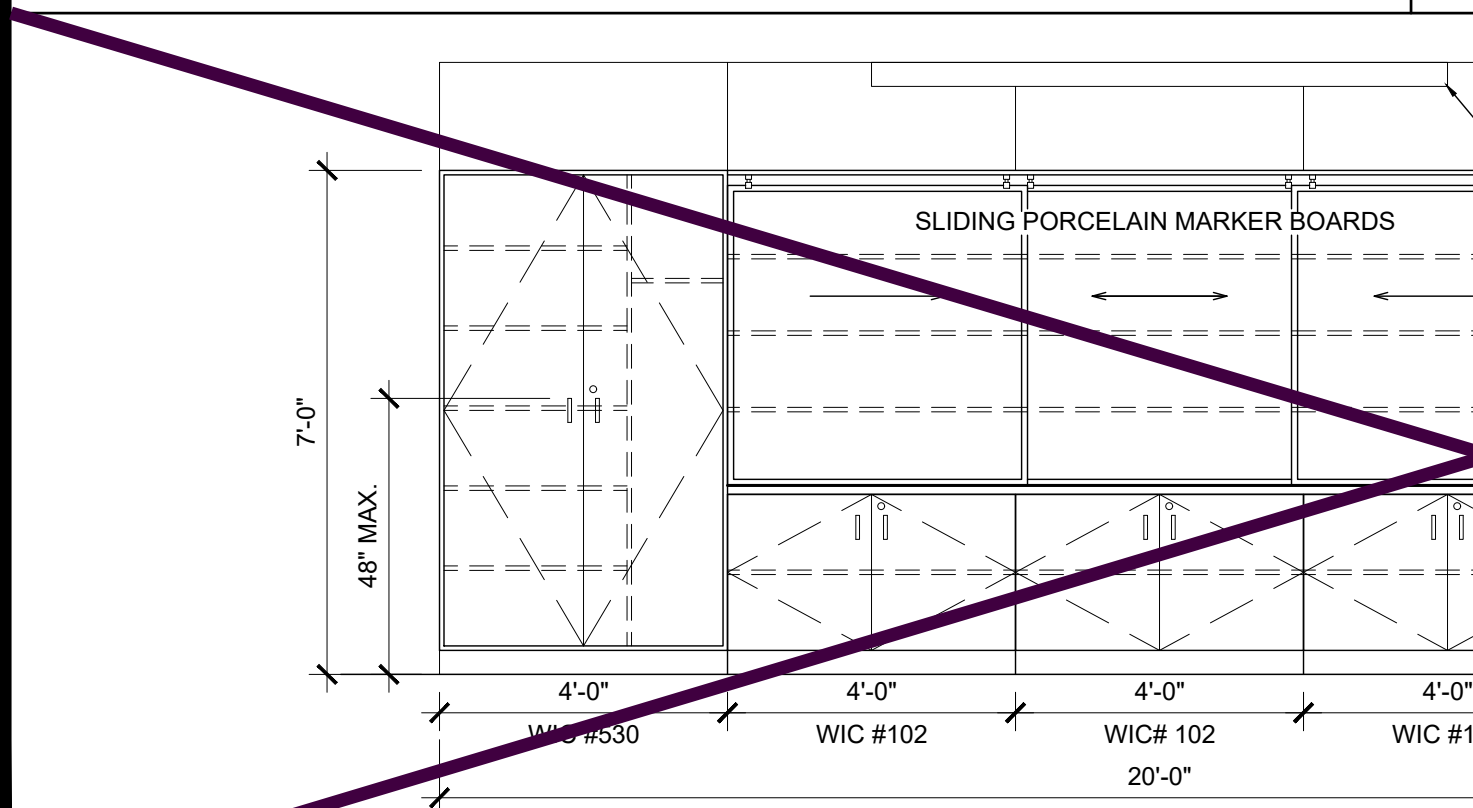
T.V. BLOCKING ATTACHMENT AT STEEL STUD SCALE : 1/2" = 1'-0" 17



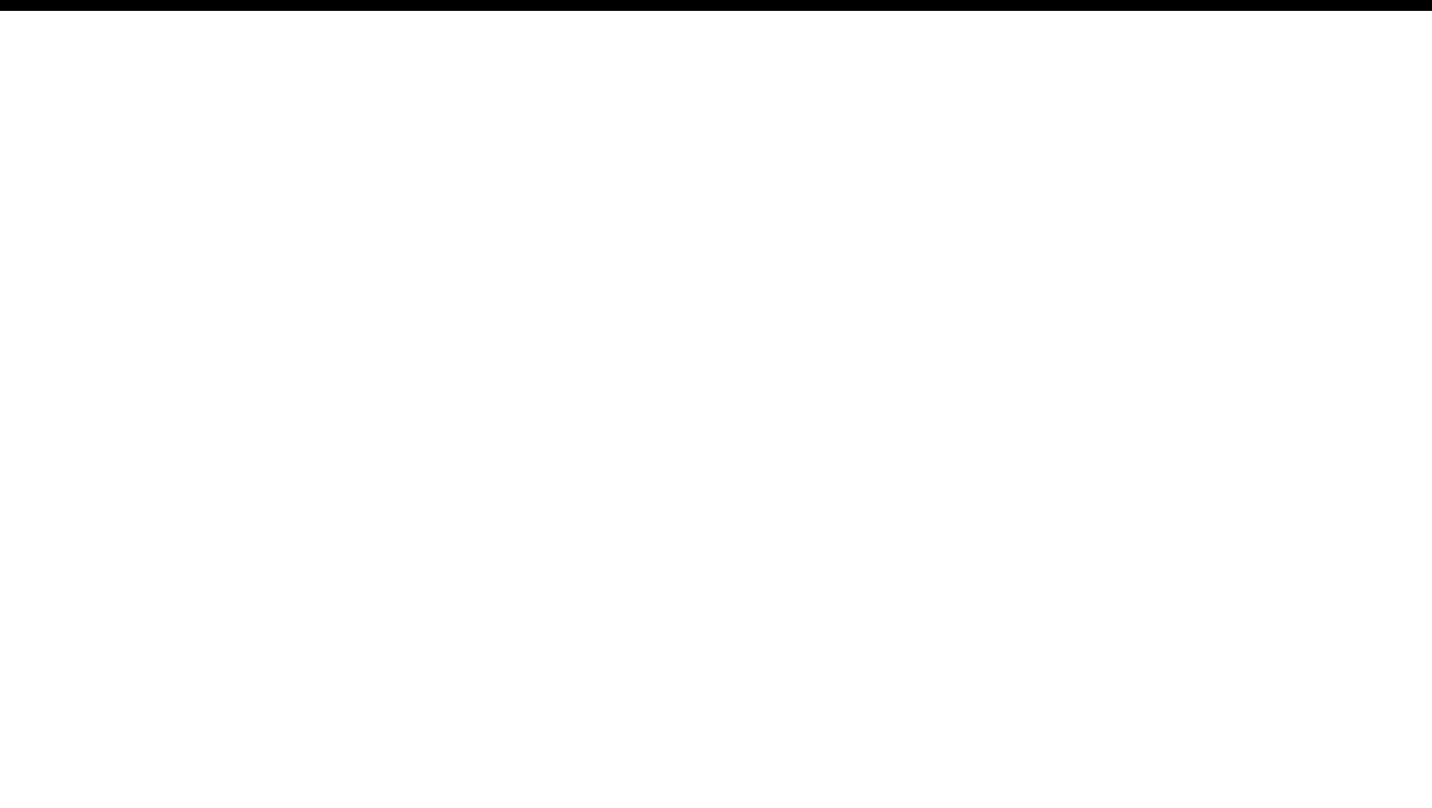
PROJECTION SCREEN MOUNTING SCALE : NTS 18



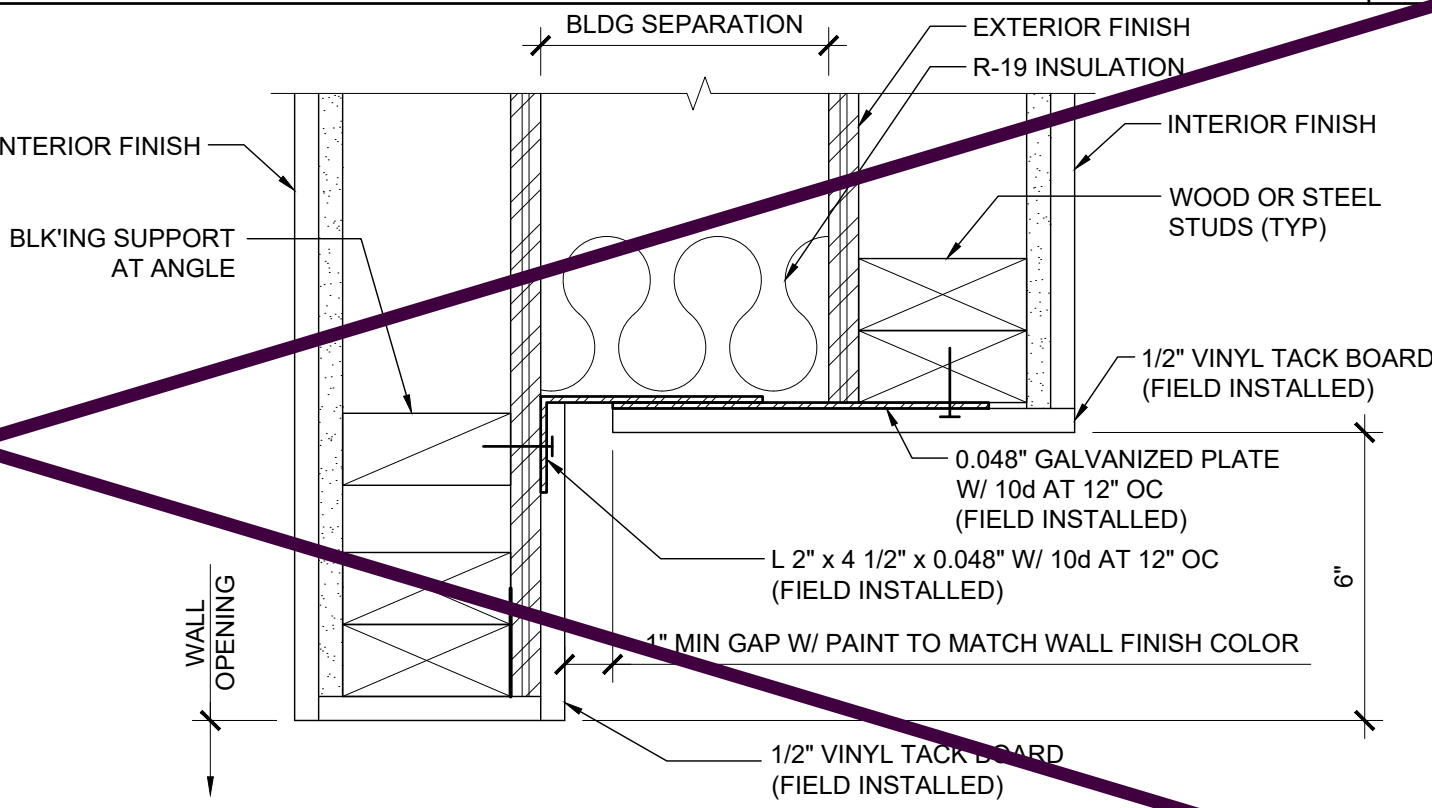
ATTACHMENT TO BLOCKING PLATE SCALE : 3" = 1'-0" 19



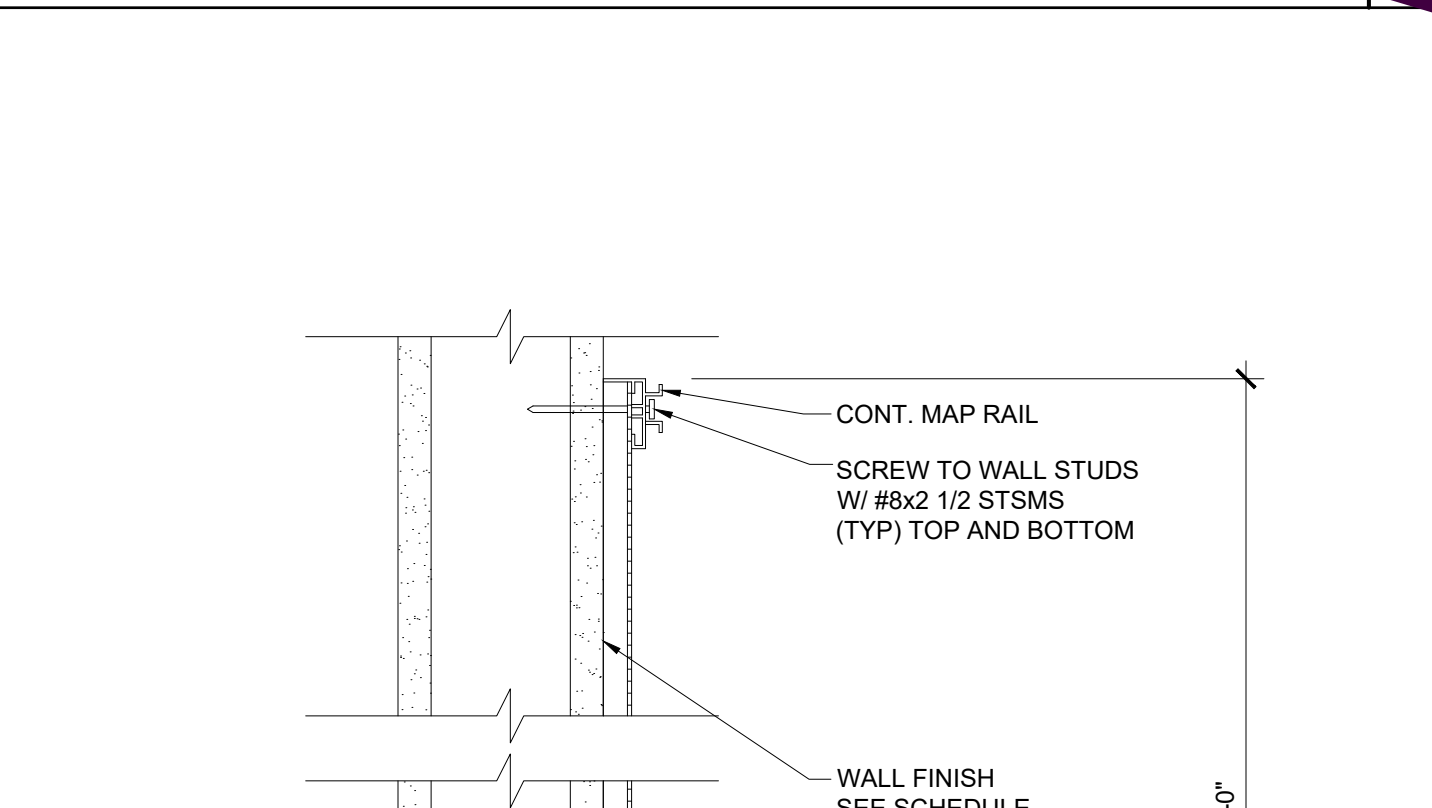
TEACHING WALL - ELEVATION / SECTION - OPTION SCALE : 3/8" = 1'-0" 15



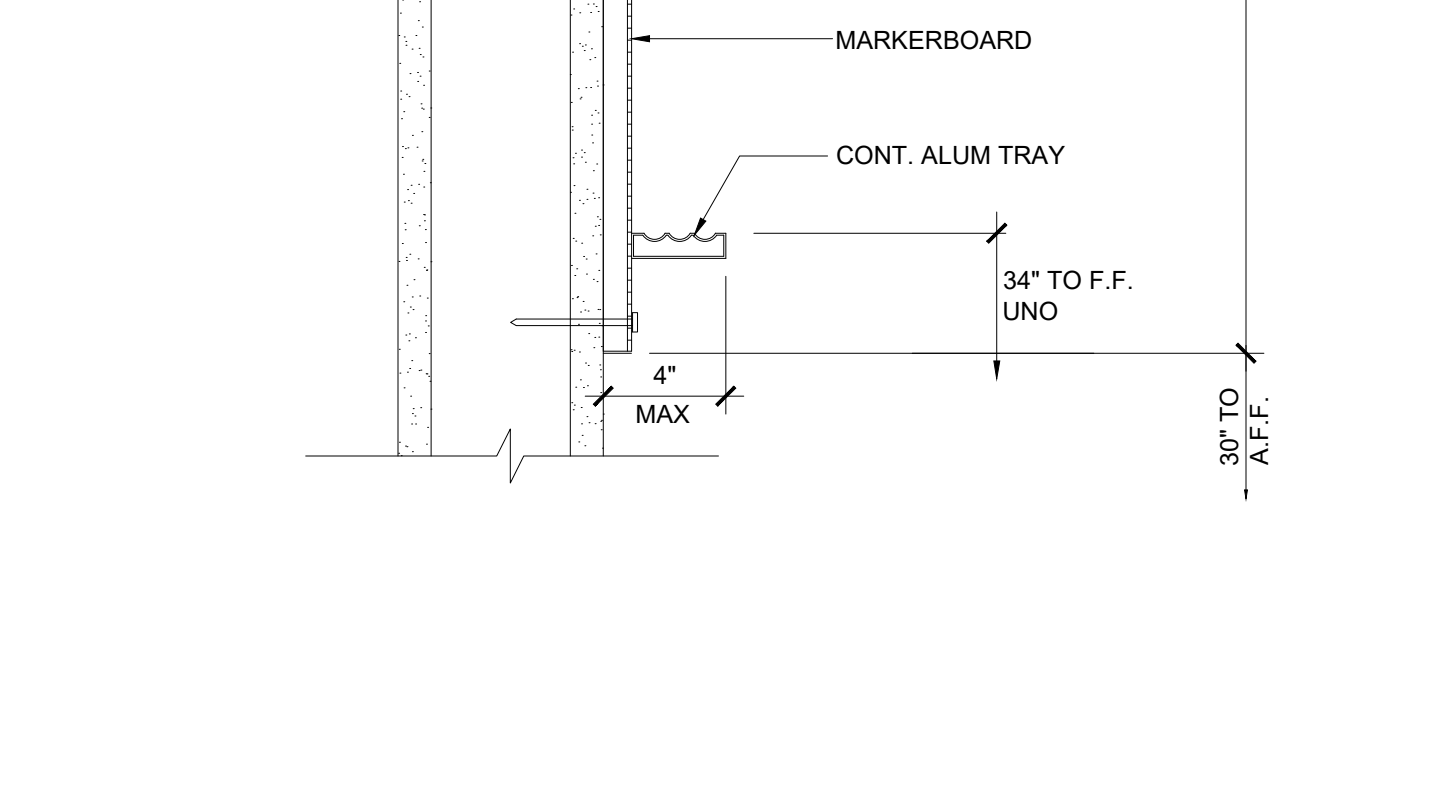
NOT USED 11



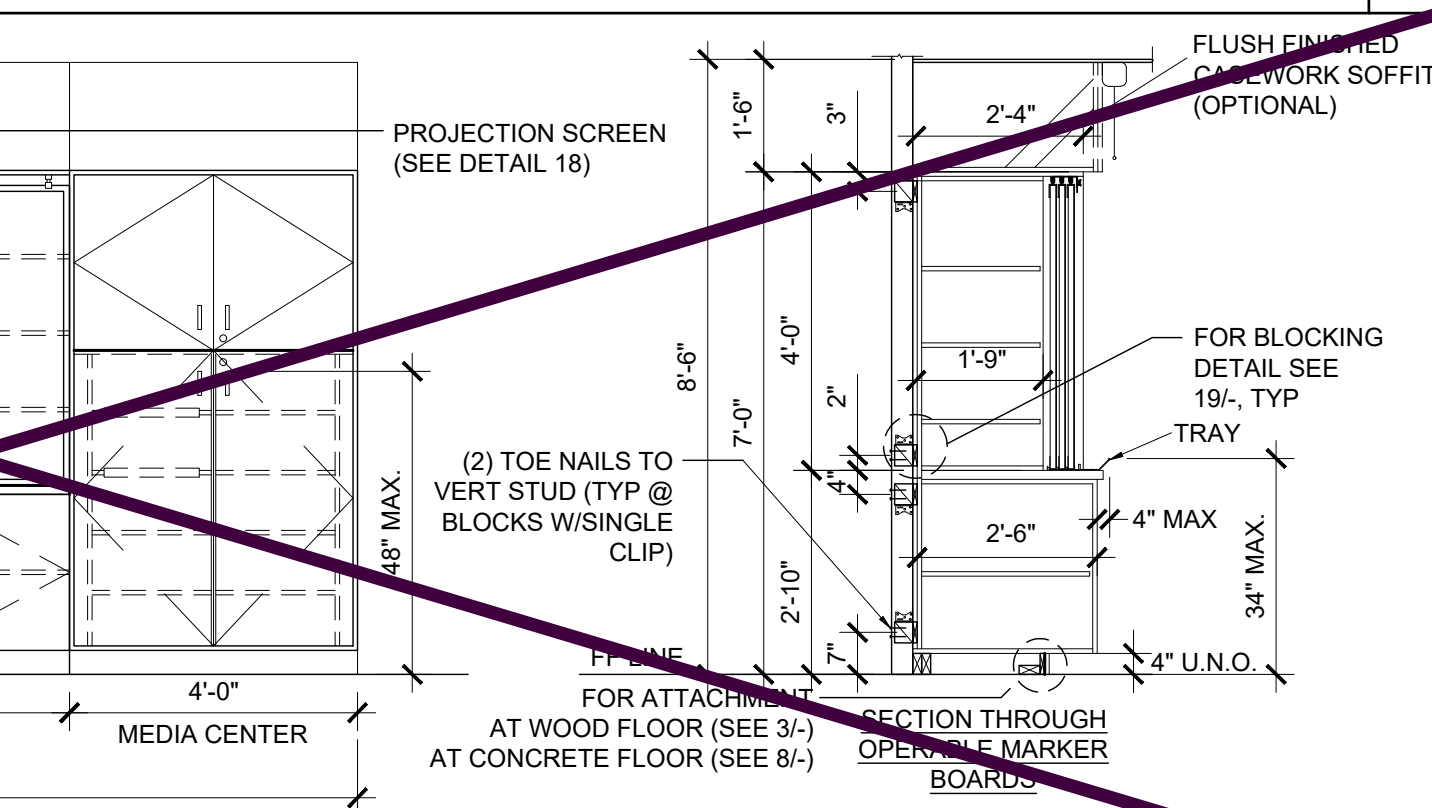
WALL OPENING AT HEADER AND JAMB SCALE : 3" = 1'-0" 12



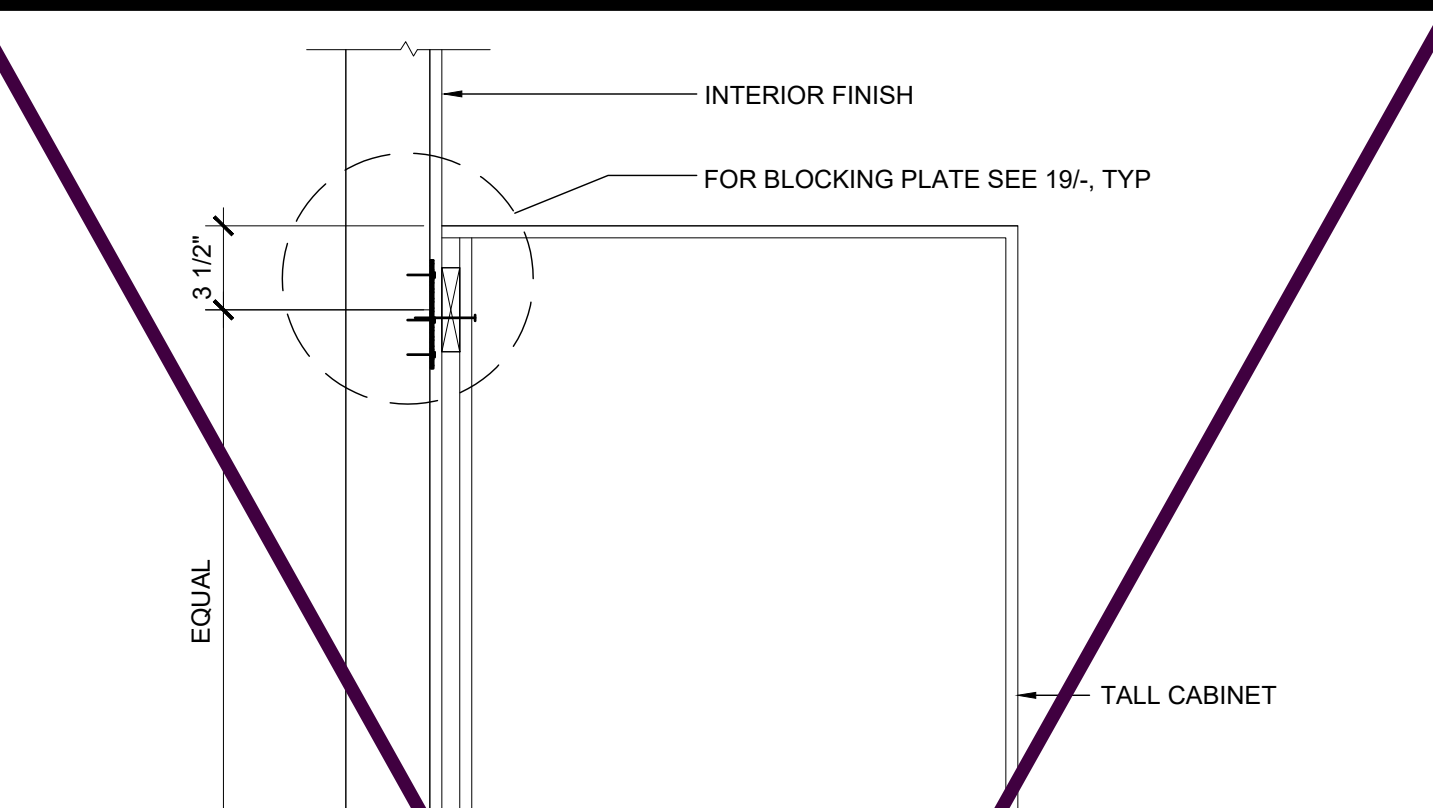
MARKER BOARD ATTACHMENT SCALE : 3" = 1'-0" 14



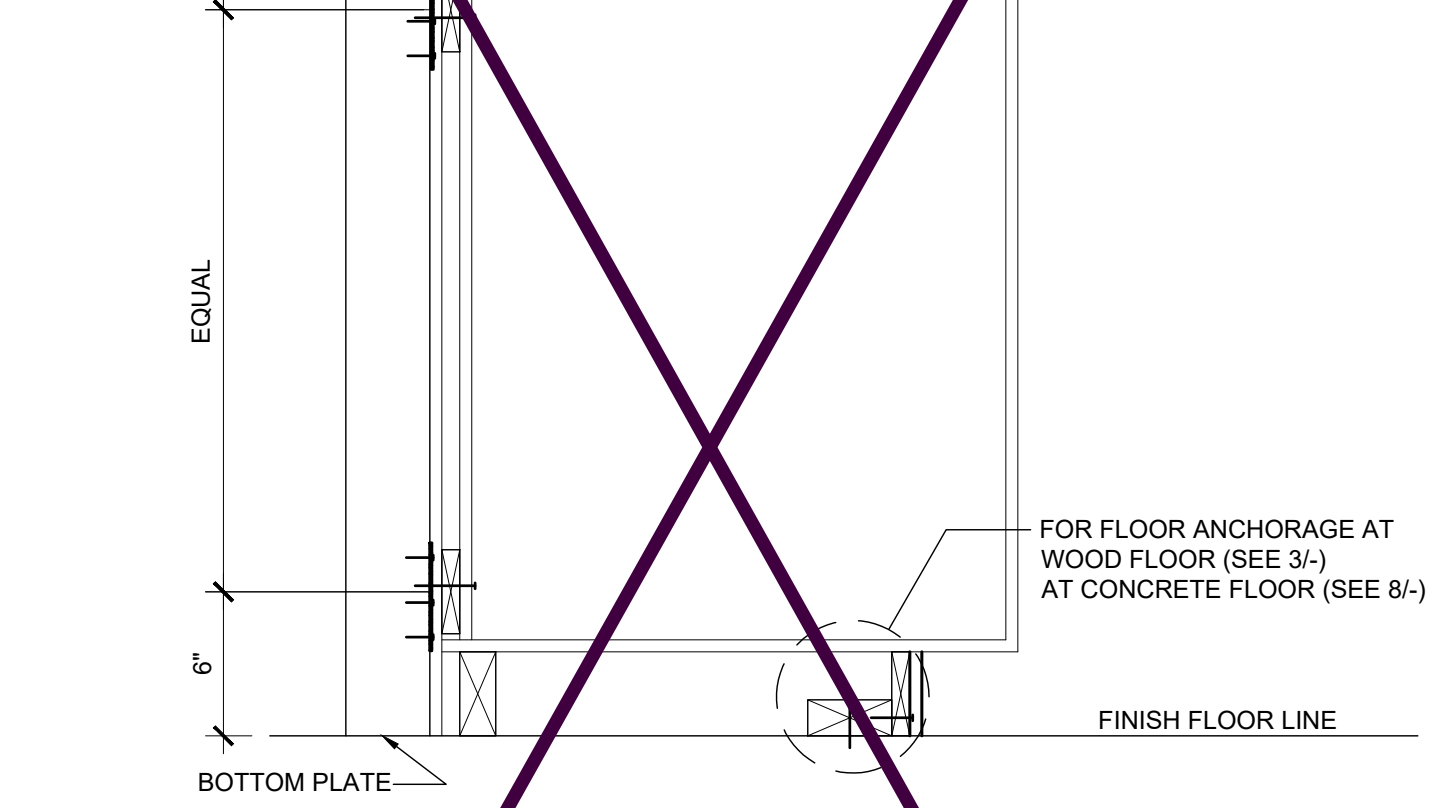
NOT USED 10



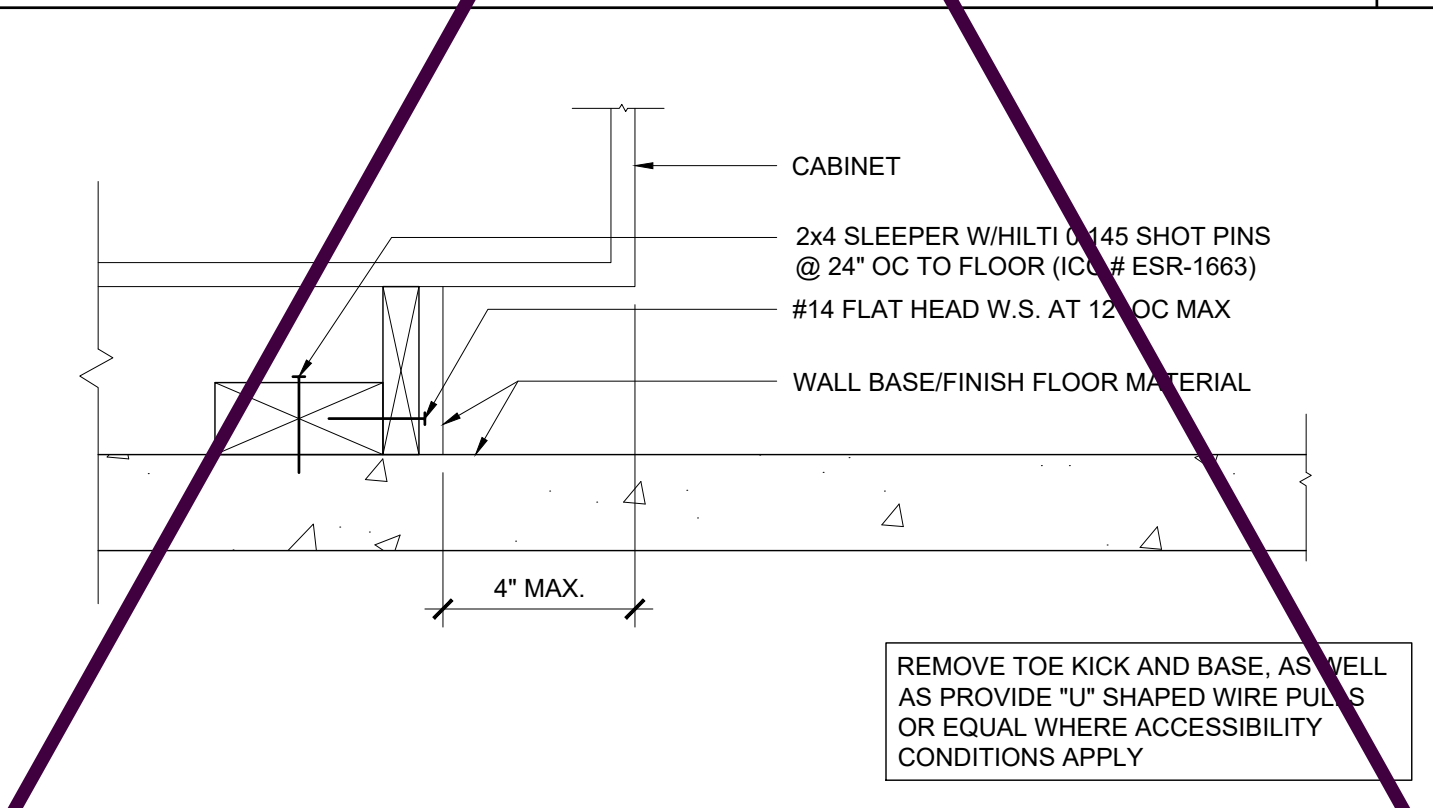
NOT USED 5



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



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



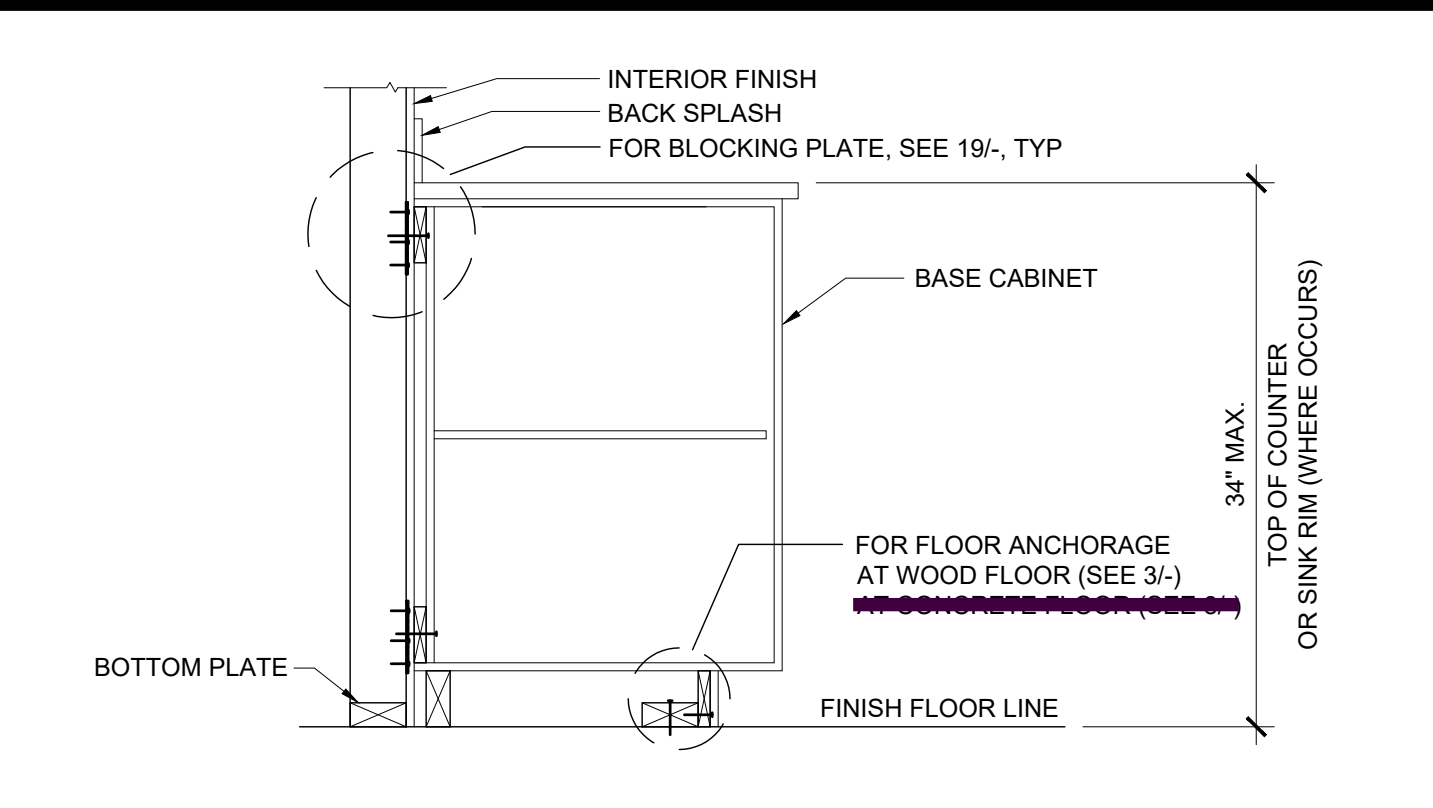
ATTACHMENT TO BLOCKING - WOOD FLOOR SCALE : 3" = 1'-0" 3



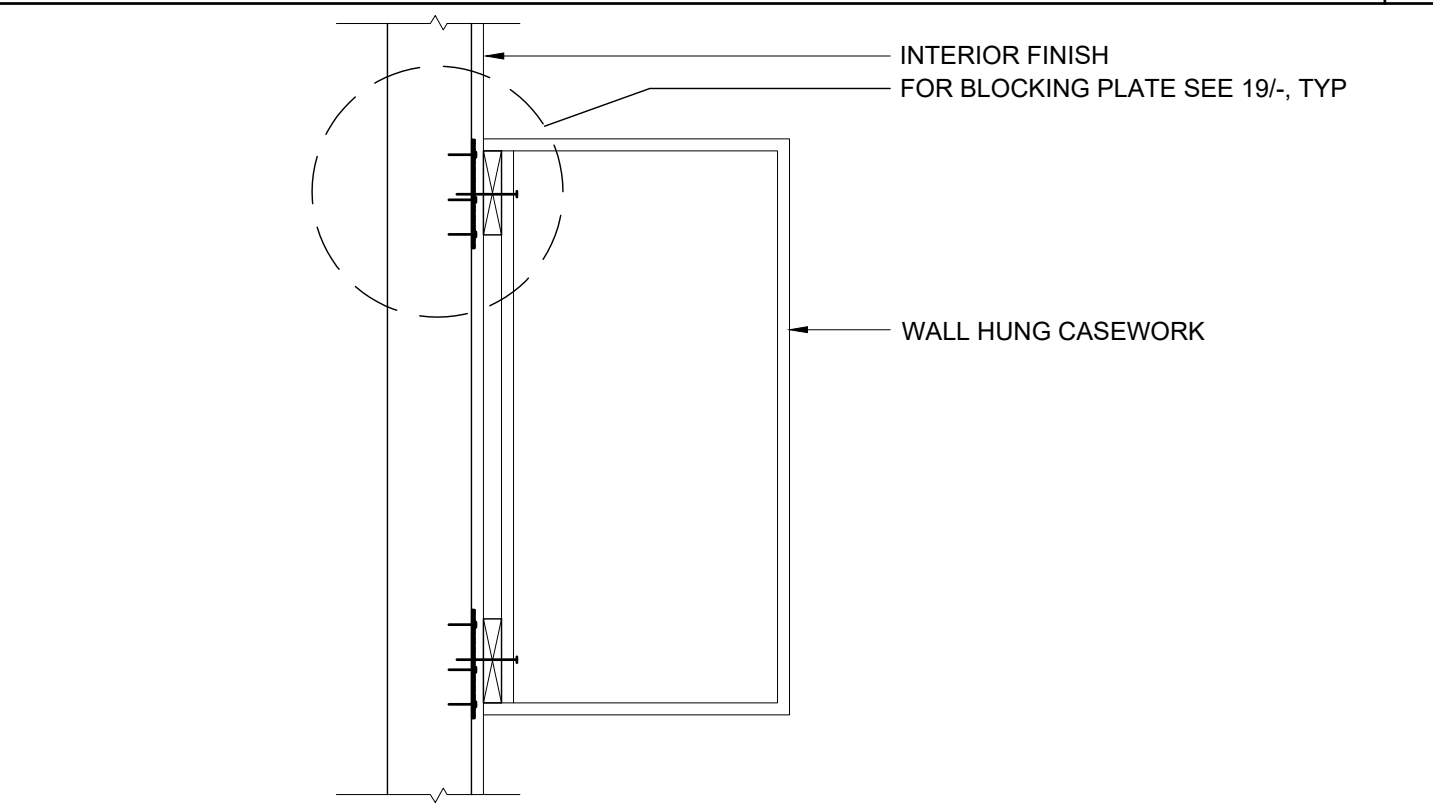
ACCESSIBLE COUNTER SCALE : 1" = 1'-0" 4



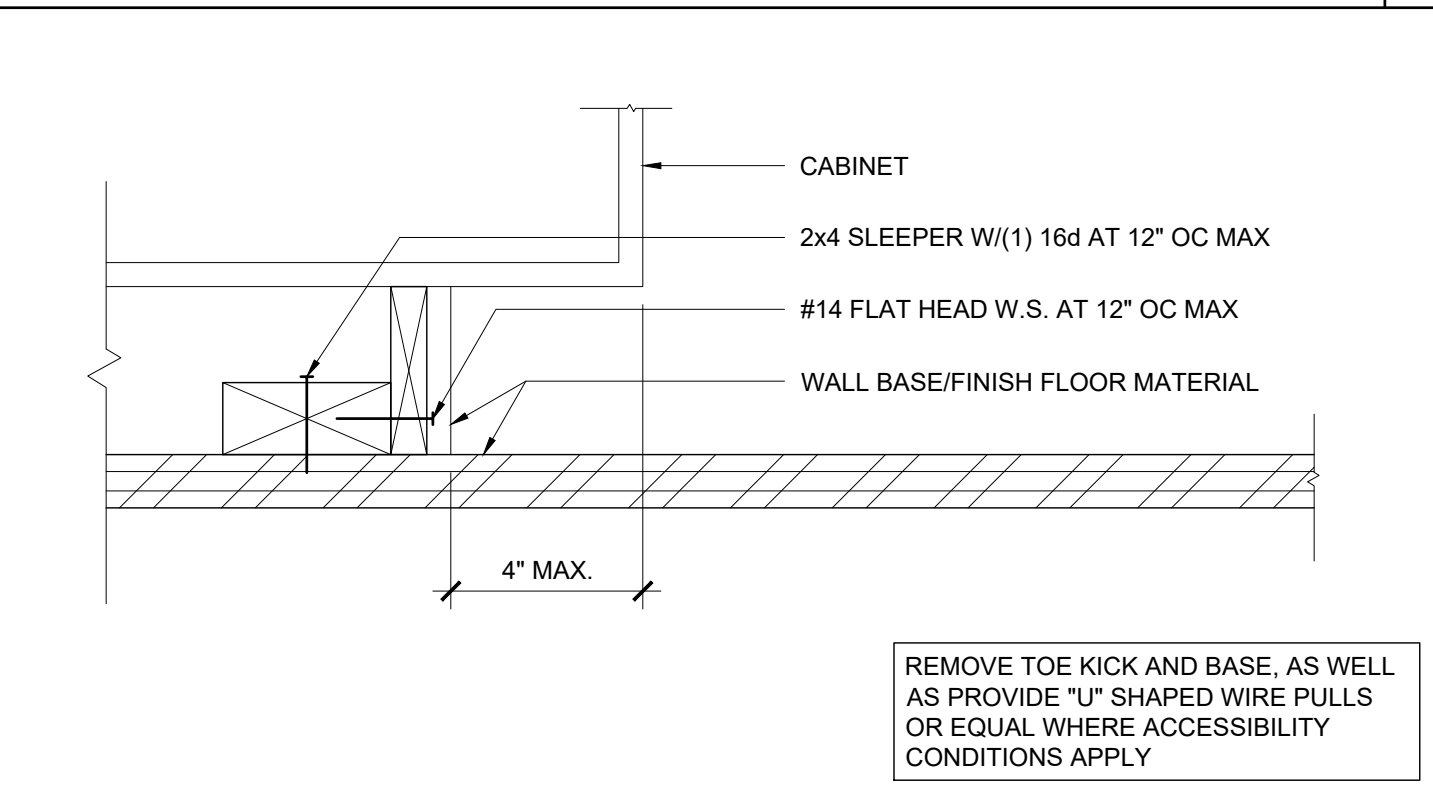
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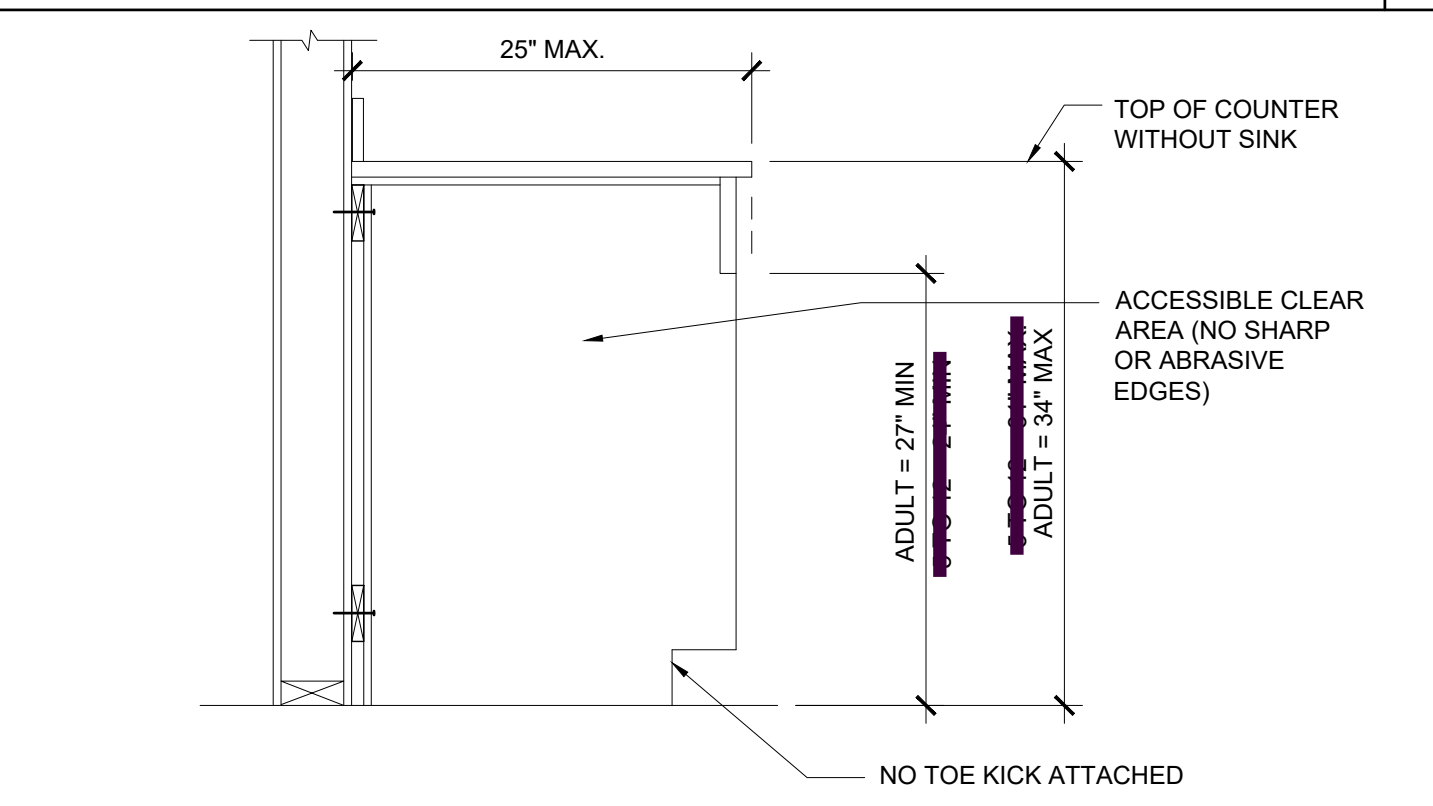
BASE CABINET WALL ANCHORAGE SCALE : 1" = 1'-0" 1



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



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



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



NOT USED 5

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
**SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.**

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

REVISIONS

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122602 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023

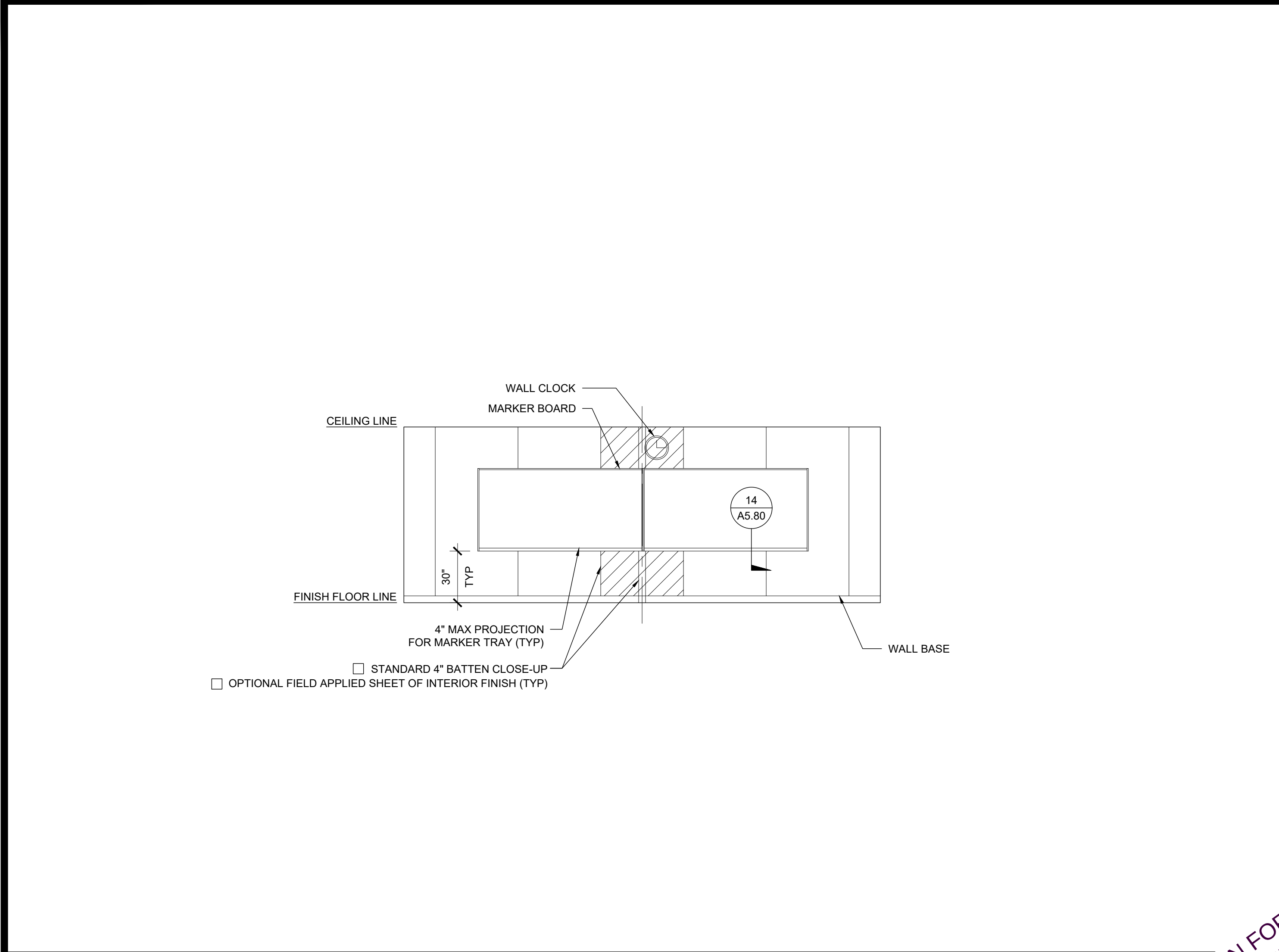
PC STATE AGENCY APPROVAL

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

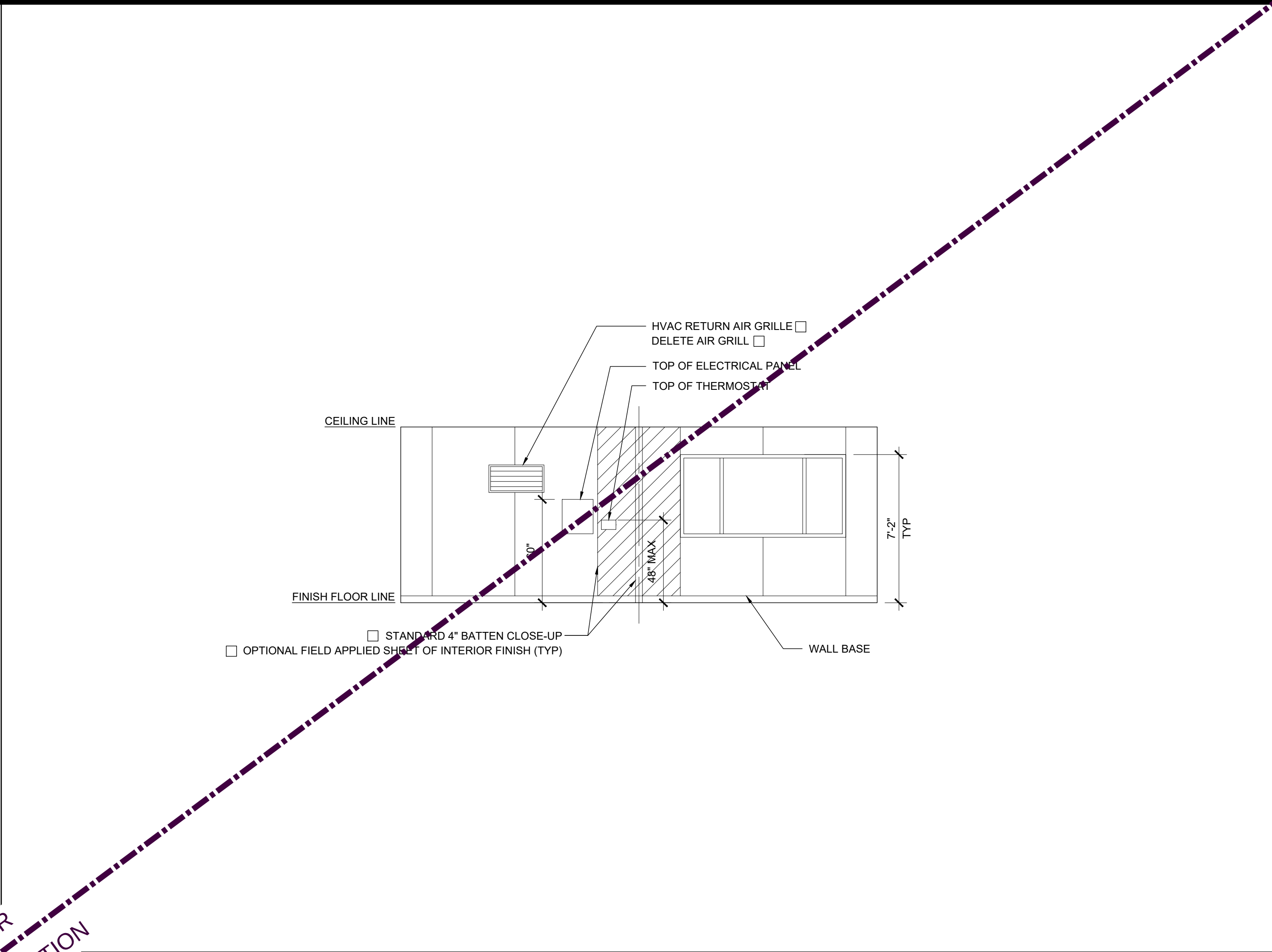
MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 60' PC

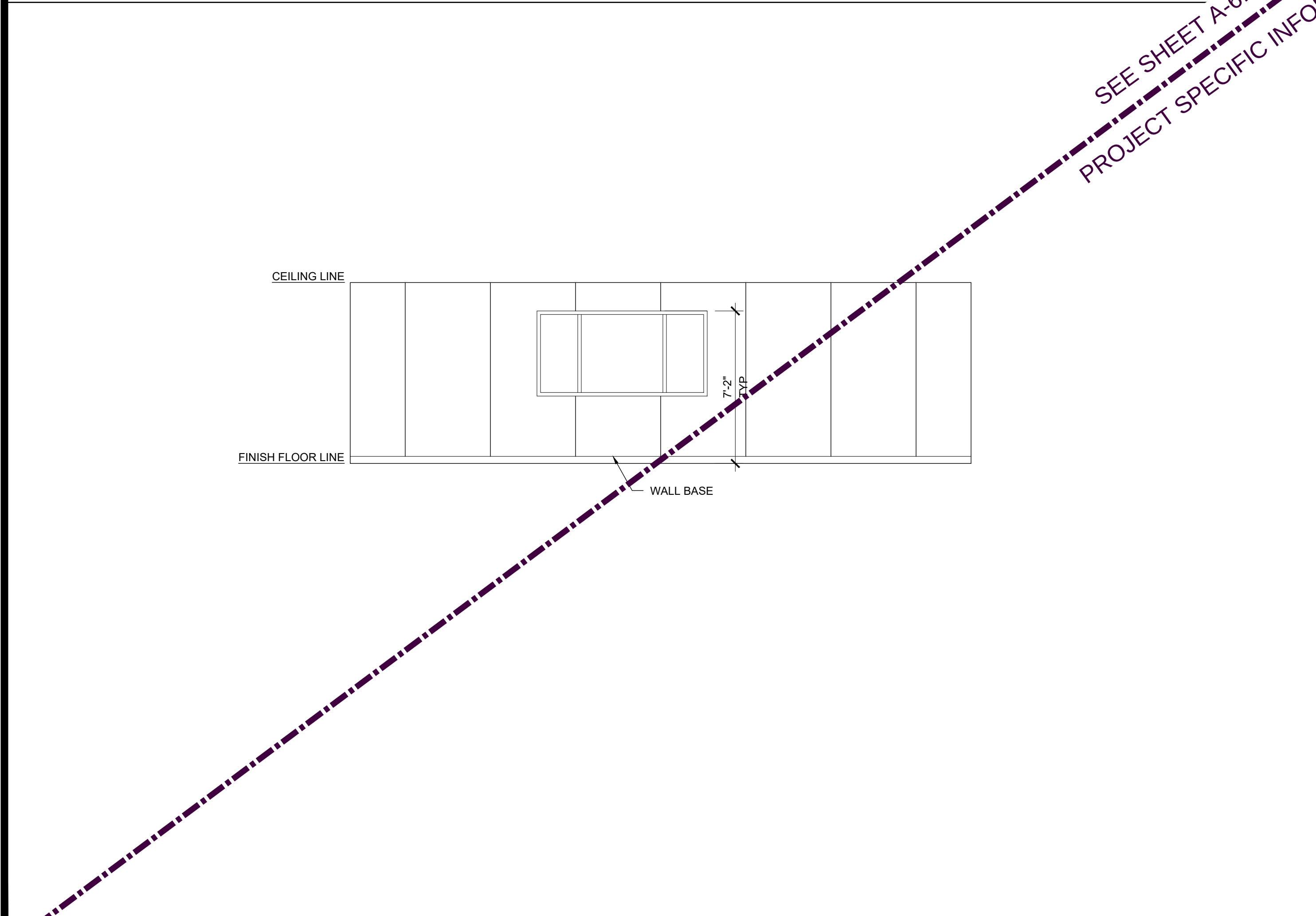
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-19-2023
P.C. SHEET NUMBER
A-5.80



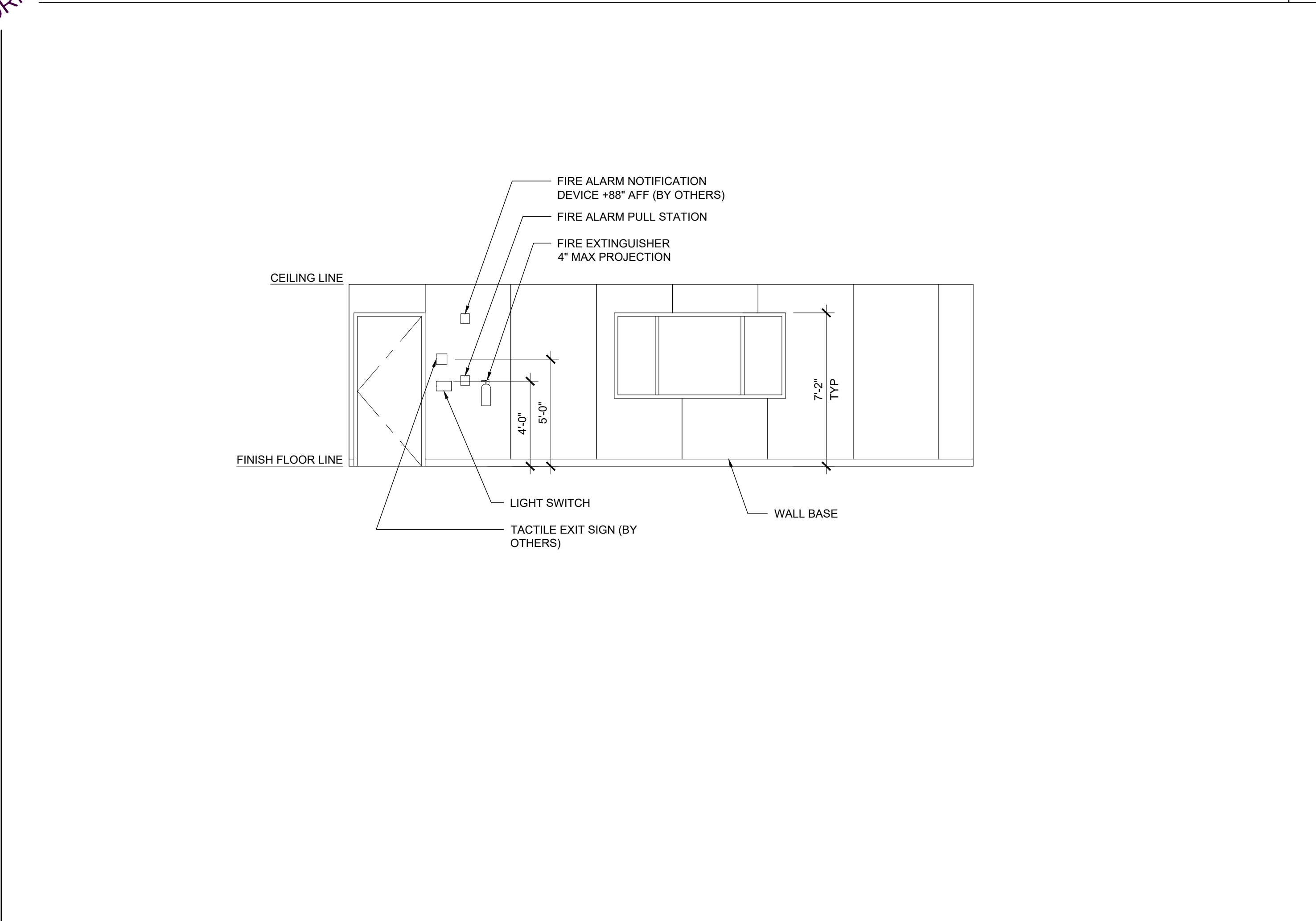
LEFT ELEVATION



RIGHT ELEVATION



REAR ELEVATION



FRONT ELEVATION

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DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

INTERIOR ELEVATION
24' x 60'

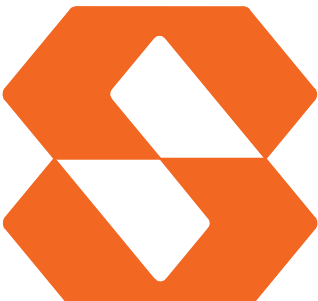
REVISIONS

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APPROVED
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SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023

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 60' PC

PROJECT NO:

DRAWN BY:

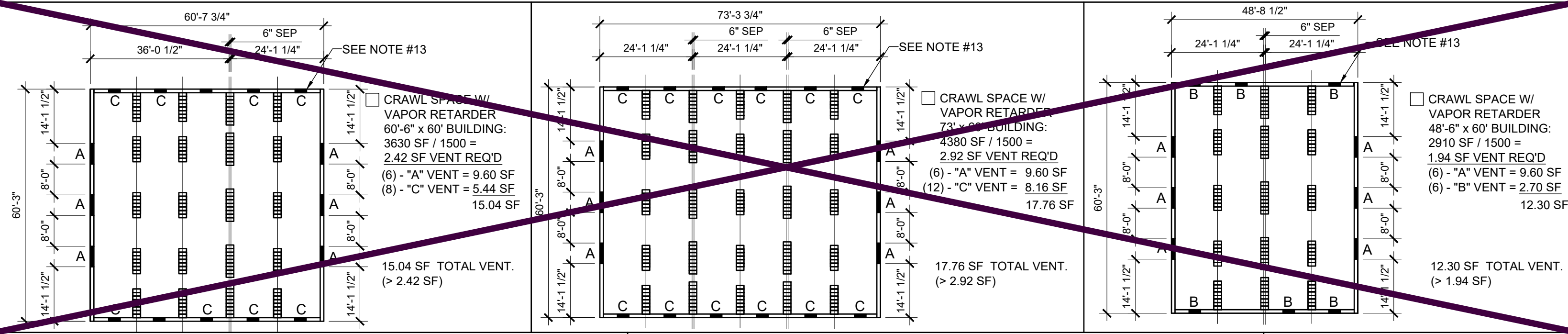
SCALE: AS NOTED

DATE: 09-19-2023

P.C. SHEET NUMBER

A-6.01

KEY PLAN VENTING CALCULATIONS



KEY PLAN VENTING SCHEDULE

VENT "A" (SIDEWALL):
5'-4" x 6" = 2.66 S.F. VENTILATION
2.66 S.F. x .6 = 1.60 S.F. VENTILATION

VENT "B" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 3" = 0.75 S.F. VENTILATION
0.75 S.F. x .6 = 0.45 S.F. VENTILATION

VENT "C" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "D" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "E" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "F" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "G" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "H" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "I" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "J" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "K" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "L" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "M" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "N" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "O" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "P" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "Q" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "R" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "S" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "T" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "U" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "V" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "W" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "X" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "Y" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

VENT "Z" (ENDWALL):
(OPTIONAL AT MULTIPLE BLDG SETS)
3'-0" x 4 1/2" = 1.125 S.F. VENTILATION
1.125 S.F. x .6 = 0.68 S.F. VENTILATION

WOOD FOUNDATION PLATE SCHEDULE

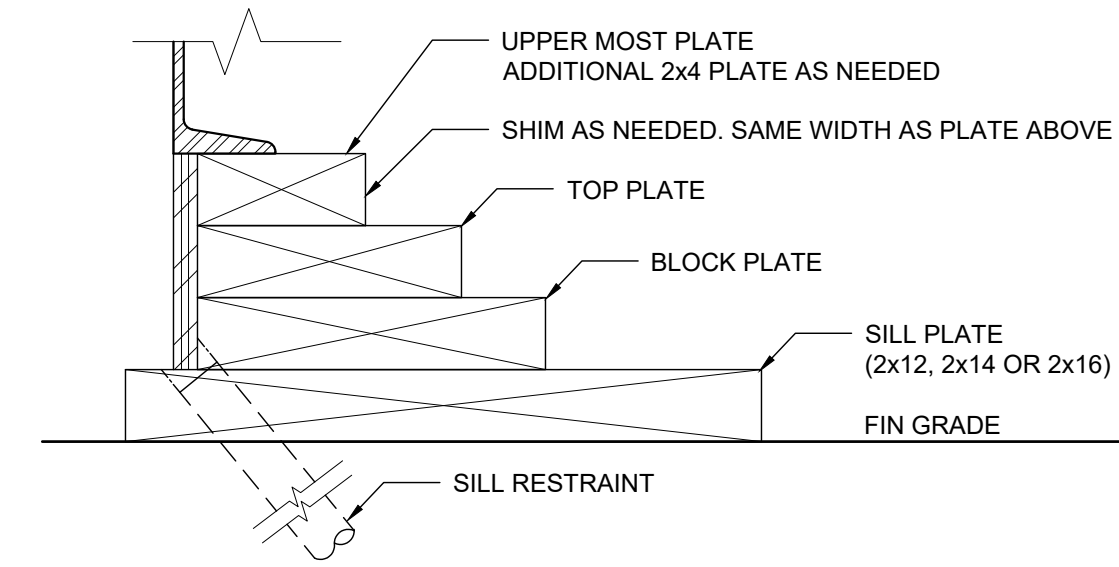
50 + 15 PSF

PLATES	END WALL	SIDE WALL	MODLINE PAD AT END WALL	MODLINE PAD AT INTERIOR	SEPARATION PAD AT ENDWALL ☐ SEPARATE BLDGS ☒ ONE BLDG	SEPARATION PAD AT INTERIOR ☐ SEPARATE BLDGS ☒ ONE BLDG
ADDITIONAL (AS NEEDED)	2x4	2x4	2x6	2x6	(2) ROWS OF 2x4	2x12
TOP	2x6	2x6	2x8	2x8	(2) ROWS OF 2x6	2x12
BLOCK	2x8 (SEE NOTE #10)	2x8	2x10	2x10	(2) ROWS OF 2x8	2x12
SILL	2x12 (SEE NOTE #10)	2x12	2x12 x 2'-0"	2x12 x 2'-0"	(2) ROWS OF 2x14	2x12 x 2'-0"

SYMBOLS LEGEND

- LAG SCREWS
- SILL RESTRAINTS (SEE NOTE #5)

FOUNDATION PLATE DESCRIPTION



NOTES

- BUILDINGS OVER 2160 SF, MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION PER IR 16-1.13 ITEM 1.4.
- FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULAR FLOORS.
- FOUNDATION VENTS THAT OCCUR UNDER RAMP LANDINGS, PROVIDE AN EQUAL AREA OF SCREENED VENT IN LANDING SKIRT.
- WOOD SILL (FOOTING) PLATES SHALL BE PRESSURE TREATED HEM-FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING BY OTHERS. THE WOOD SILL FOOTING PLATE MAY SUPPORT CONTINUOUS BLOCKING AND SHEATHING SKIRT WHICH NEED NOT BE TREATED.
- SILL RESTRAINT:
THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES. AN ACCEPTABLE DESIGN WOULD INCORPORATE ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPES OR ONE-INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" O.C. ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATIONS STRIP. PIPES SHOULD PENETRATE INTO SOIL, CONCRETE, AND/OR PAVING A MINIMUM OF 2" MEASURED VERTICALLY. ALTERNATE OR EQUIVALENT DESIGNS, WHEN PROVIDED WITH STRUCTURAL CALCULATIONS AND DETAILS, WILL BE SUBMITTED TO DSA FOR REVIEW AND APPROVAL.
- STACKED WOOD MEMBERS FOR FOUNDATIONS AND PRESSURE TREATED LUMBER SHALL BE NAILED WITH HOT DIPPED GALVANIZED PER ASTM A-153
- VENTILATION OPENINGS SHALL BE COVERED FOR EITHER HEIGHT AND WIDTH WITH CORROSION-RESISTANT WIRE MESH, WITH A CLEAR "THROUGH" DIMENSION NOT EXCEEDING 1/8" ACTING AS A VERMIN BARRIER.
- VENTING CALCULATION REQUIREMENTS FOR MULTIPLE BUILDING SETS MUST BE CALCULATED WITH OVERALL SQUARE FOOTAGE INCLUDING SEPARATION.
- FOR FOUNDATION ANCHORAGE ON CONCRETE PAD, SEE DETAIL 15/F0.50.
- IF OPTIONAL ENDWALL VENTS ARE APPLIED, SILL PLATE AND BLOCK PLATE MUST BE CONTINUOUS. VENT OPENINGS SHALL BE BROKEN ABOVE THE BLOCK PLATE
- FOR FOUNDATION SPLICE - SEE 5/F-0.50
- CRAWLSPACE VAPOR RETARDERS (WHERE INDICATED):
THE TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 FACTOR WITH AN APPROVED VAPOR RETARDER MATERIAL PER CBC SECTION 1203.3.2(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 (2.6 MIL), POOL LINER (PUNCTURE RESISTANT); AND POLYETHYLENE FILM WITH RAT SLAB INSTALLATION RECOMMENDATIONS.
OVERLAP JOINTS BY 6 INCHES, TAPE OR SEAL ALL JOINTS; ATTACH VAPOR RETARDER OVER SILL PLATE PER 10/F0.50; SEAL TO ALL PIERS AND OTHER PENETRATIONS.
- ENDWALL VENTS (IF REQ'D) SHALL BE LOCATED A MIN OF 24" FROM BUILDING CORNERS. MAXIMUM ONE ENDWALL VENT PER 12'-0" MODULE & WITHIN 8" FROM TIE PLATE.
- NOT USED
- 18" MAXIMUM PARAPET HEIGHT ALLOWED FOR WOOD FOUNDATIONS
- 150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OR PARAPET OPTIONS
- VENTS AT MODLINE FOUNDATIONS. THE MINIMUM CRITERIA REQUIREMENT AS FOLLOWS:
A. VENTS HAVE A MINIMUM OF 2 SILL /BLOCKING PLATES BENEATH.
B. VENTS ARE A MAXIMUM OF 6'-0" LONG x 3" MIN. HIGH.
C. VENTS ARE SPACED A MINIMUM OF 8'-0" APART (EDGE TO EDGE) AND 24" MIN. FROM CORNERS.
- WHERE THE BUILDING OCCURS ON OR ADJACENT TO A SLOPE (GREATER THAN 33%) THE SETBACK SHALL COMPLY WITH CBC SECTION 1808.7. THE MINIMUM SETBACK AT THE TOP OF THE SLOPE SHALL BE NOT LESS THAN SMALLER OF 40'-0" OR 1/3 THE HEIGHT OF THE SLOPE. THE MINIMUM SETBACK AT THE BOTTOM OF THE SLOPE SHALL BE NOT LESS THAN THE SMALLER OF 15'-0" OR 1/2 THE HEIGHT OF THE SLOPE. THE SETBACK DISTANCES INDICATED HERE MAY BE REDUCED WHEN A SITE SPECIFIC GEOTECHNICAL REPORT IS PROVIDED.

NAILING SCHEDULE

BUILDING SIZE	(2) 16d BOX NAILS PLATE TO PLATE ATTACHMENT BELOW UPPER MOST PLATE
24' x 60'	4" OC AT ENDWALL - 1 / F-0.50 12" OC AT SIDEWALL - 2 / F-0.50 12" OC AT SEPARATION - 4 / F-0.50

VENTING SCHEDULE

BUILDING SIZE	BUILDING AREA	REQUIRED VENTING	SIDE VENTING	TOTAL VENTING SUPPLIED
24' x 60'	1440 SF	9.6 SF (1/150)	1.60 SF x 6 = 9.60 SF 0.45SF x 1 = 0.45 SF (END WALL)	10.05 SF SEE NOTE #8

TIE PLATE SCHEDULE (14 / F-0.50)

BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
24' x 60'	4	8	24

FOOTING AT SEPARATION - ONE BUILDING

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

FOOTING AT SEPARATION - SEPARATE BUILDINGS

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

FOUNDATION PLAN

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

1

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APP: 01-122646 INC:
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PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

WOOD
FOUNDATION PLAN
24x60
(50 + 15 PSF)

REVISIONS

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DIV. OF THE STATE ARCHITECT
APP: 04-122602 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023

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 60' PC

PROJECT NO:

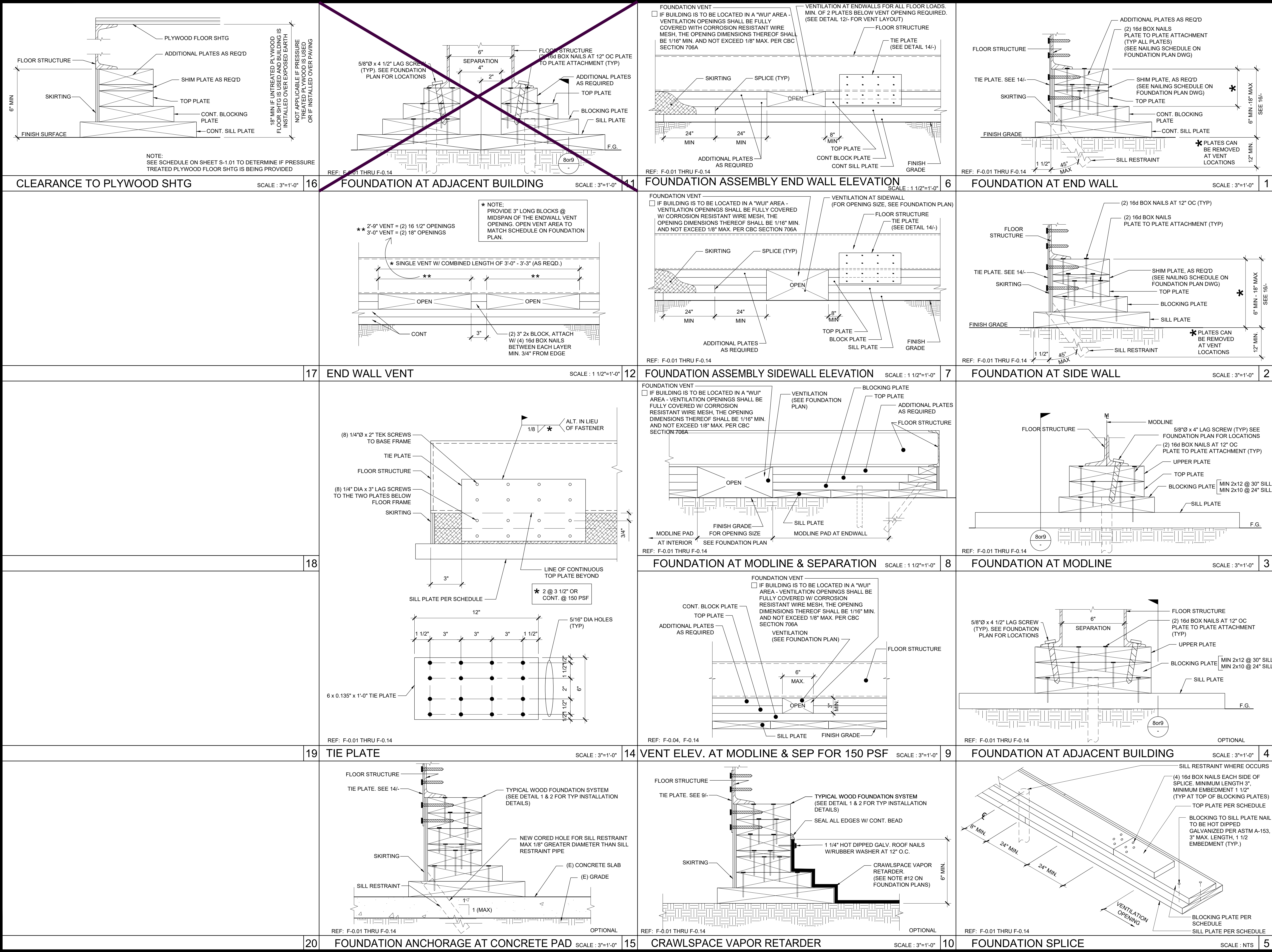
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SCALE: AS NOTED

DATE: 09-19-2023

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PROJECT NAME:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

FOUNDATION DETAILS
WOOD FOUNDATION

REVISIONS

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FOR CONSTRUCTION IS REQUIRED

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DIV. OF THE STATE ARCHITECT
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DATE: 10/10/2023

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 60' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 09-19-2023

P.C. SHEET NUMBER

F-0.50

STRUCTURAL SPECIFICATIONS

FOUNDATIONS:

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

CONCRETE

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

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

THE DESIGN OF CONCRETE FOUNDATIONS WILL BE AS FOLLOWS:

- FURNISH AND INSTALL ALL CONCRETE WORK AS SHOWN ON THE DRAWINGS AND AS SPECIFIED.
- EXCEPT AS MODIFIED BY THE REQUIREMENTS SPECIFIED HEREIN AND / OR THE DETAILS ON THE DRAWINGS, ALL WORK INCLUDED IN THIS SECTION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF CODES AND STANDARDS.
 - ALL WORK AND MATERIALS SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS, AND CHAPTER 19A.
 - 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 318-19, TABLE 19.3.2.1, FOOTNOTE 8
NORMAL WEIGHT
NO ADMIXTURES CONTAINING CALCIUM CHLORIDE

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

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

- FORMS SHALL BE SUBSTANTIAL, PLUMB, LEVEL, SQUARE, TRUE TO LINE, WATER TIGHT AND ACCURATE TO THE DIMENSIONS REQUIRED.
- THE ARCHITECT SHALL APPROVE LOCATION OF:
 - OPENINGS FOR MECHANICAL AND ELECTRICAL: PROVIDE FOR OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED AND INSTALL SLEEVES AS MAY BE REQUIRED.
 - OPENINGS FOR VENT WELLS FOR UNDER FLOOR VENTILATION: PROVIDE FOR ALL OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED. INSTALL ALL SLEEVES AS MAY BE REQUIRED.
- VARIANCE IN TOP OF STEMWALL AND/OR ANCHOR PLATE SURFACE SHALL BE NO MORE THAN 1/16" IN 10 FEET
- ANCHOR BOLTS, DOWELS, REINFORCING STEEL, AND EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED "WET SETTING" IS NOT ALLOWED.
- REFER TO ARCHITECTURAL, ELECTRICAL, AND MECHANICAL PLANS FOR SLEEVES, INSERTS CURBS, DEPRESSED AREAS, AND ETC.
- CONCRETE MIX REQUIRED: CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGN FOR FOOTINGS TO PROFESSIONAL OF RECORD FOR APPROVAL PRIOR TO POURING CONCRETE.

1705A.3.3. WAIVER OF BATCH PLAN INSPECTION.

A. WHEN BATCH PLANT INSPECTION IS WAIVED, THE FOLLOWING REQUIREMENTS SHALL APPLY:

- QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCHING AT THE START OF DAY.
- LICENSED WIEGHMASTER 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 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 STEEL SHEET 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-18 FOR METAL DECKING

COLD-FORMED STEEL FRAMING:
STRUCTURAL LIGHT GAUGE STEEL FRAMING AND ACCESSORIES SHALL BE FABRICATED IN ACCORDANCE WITH ASTM A-1011/A GRADE AS LISTED BELOW. SEE PLAN FOR MINIMUM YIELD.
MATERIAL THICKNESS 0.060" OR LESS: ASTM A-1011/A GRADE 33 (UNO)
MATERIAL THICKNESS 0.060" OR GREATER: ASTM A-1011/A GRADE 50

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

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

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

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

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

NOTES:

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

WOOD:

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

SHEATHING:

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

- PLYWOOD SUB FLOOR: 1 1/8" T&G UNBLOCKED PLYWOOD. PROVIDE SEAMLESS WOVEN POLYFLEX BOTTOM BOARD FOR MOISTURE PROTECTION
- PLYWOOD ROOF DECK: APA RATED 3/4" T&G OSB OR EQUIVALENT RATED SHEATHING WITH APPROVAL FROM DSA
- EXTERIOR WALL SIDING:
 - STANDARD: 5/8" DURATEMP OR 5/8" SMART PANEL
 - OPTIONAL: 5/8" MDO
 - OPTIONAL: 1/2" OSB OR CDX PLYWOOD FOR PLASTER/STUCCO FINISH
- EXTERIOR WALL SIDING ATTACHMENT:
FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS SHALL BE HOT-DIPPED GALVANIZED, MECHANICALLY DEPOSITED ZINC-COATED, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC SECTION 2304.10.1.1

TREATED WOOD:

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

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

CONTINUOUS INSPECTION:

PROJECT INSPECTOR TO PROVIDE CONTINUOUS FIELD INSPECTION.

IN-PLANT INSPECTOR SHALL PROVIDE CONTINUOUS INSPECTION IN-PLANT

METALS, STRUCTURAL, AND MISC. STEEL:

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

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

ERECTION:
ALL STRUCTURAL STEEL SHALL BE ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNED LOCATION. TEMPORARY BRACING OR SHORING SHALL BE INSTALLED WHEREVER NECESSARY TO TAKE CARE OF LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING ERECTION EQUIPMENT AND THE OPERATION OF SAME. CONNECTIONS SHALL BE ADEQUATE TO WITHSTAND STRESSES TO WHICH THEY ARE NORMALLY SUBJECTED. CONNECTIONS SHALL BE STEEL, EXCEPT AS OTHERWISE NOTED. FIELD CONNECTIONS SHALL BE BOLTED OR WELDED AS SHOWN ON THE DRAWINGS.

SHOP PAINT:

- * EXPOSED STEEL COATED WITH ONE SHOP COAT OF PRIMER.
- * NON-EXPOSED STEEL COATED WITH ON SHOP COAT OF PRIMER.
- * ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.

POWER DRIVEN FASTENERS FOR SILL PLATE, WOOD NAILERS TO STEEL COLUMNS, AND SHEET METAL TO STRUCTURAL STEEL:

ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, OR RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.

WOOD ROUGH CARPENTRY:

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS AND STEPS NECESSARY TO PROTECT ALL COMPLETED, SEMI-COMPLETED, AND TEMPORARY WORK FROM COMMENCEMENT OF PROJECT TO COMPLETE, SEMI-COMPLETION OF SAME ANY PORTION OF THE WORK DAMAGED OR DISFIGURED SHALL BE SATISFACTORILY REPAIRED OR REPLACED AND THE WORK AS A WHOLE LEFT WITHOUT BLEMISH AT FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ALL NECESSARY MEASUREMENTS AT THE BUILDING, THE ACCURATE FITTING OF ALL WORK AND PROPER ACCOMMODATION OF OTHER TRADES.

DESCRIPTION OF WORK:
THIS SECTION INCLUDES FURNISHING OF ALL LABOR, MATERIAL, TOOLS, EQUIPMENT, TRANSPORTATION, AND FACILITIES TO COMPLETE FLOOR AND ROOF JOISTS, BEAMS AND 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 6" OC AT BOUNDARIES, 6" OC AT EDGES, AND 6" 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 3/8 MILS WITH A MINIMUM WIDTH OF 1.5 INCHES. SCREWS SHALL BE INSTALLED THROUGH THE SHEATHING TO THE BLOCKING.

CONCRETE FLOOR DATA: LIGHTWEIGHT CONCRETE FLOOR
STRENGTH: 3000 PSI MIN
TYPE: I OR II
DENSITY: 110 PCF - MAX

DIMENSION LUMBER ATTACHMENT TO STEEL FRAMING:
2 X STUDS AT CORNER STEEL COLUMNS (NAILING STUD)
USE: #10 - 24 X 2 1/2" LG. SELF-DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD WITH WASHER ZINC COATED TEK SCREWS AT 24" O.C.

REFERENCE STANDARDS NOTES:

INTENT OF DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE STATE OF CALIFORNIA CALIFORNIA CODE OF REGULATIONS, PART 1, 2, 3, 4, 5, 6, 9, AND 12, SUB-CHAPTER 1. CALIFORNIA BUILDING CODE, 2022 EDITION, MANUAL OF STEEL CONSTRUCTION, (AISC) 15TH EDITION, AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE, AWS D1.1, AMERICAN INSTITUTE OF TIMBER CONSTRUCTION STANDARD, (AITC) 109 ARCHITECTURAL SHEET METAL MANUAL, AIA FILE NO. 12-L (SMACNA) LATEST ADOPTED EDITION UNLESS OTHERWISE NOTED.

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

INSPECTIONS:
A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

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

NAILING NOTES:
1. ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED
2. MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO THE SECOND MEMBER, AND SHALL BE NOT LESS THAN 3" IN OVERALL LENGTH. THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.
CONNECTION AND FASTENERS:
ALL CONNECTIONS AND FASTENERS AS STATED ON THESE DRAWINGS CAN BE SUBSTITUTED BY AN EQUIVALENT PRODUCT WITH ICC REPORTS AND APPROVAL BY DSA.
CONNECTION OF LAG SCREWS:
AS REQUIRED PER ANSI / AF&A NDS-2012, LAG SCREWS MUST BE INSTALLED INTO A PRE-DRILLED PILOT HOLE WITH A STANDARD WASHER AND TURNED WITH A WRENCH. DO NOT DRIVE IN WITH A HAMMER. OVER-TORQUING CAN SIGNIFICANTLY REDUCE THE LATERAL RESISTANCE OF THE LAG SCREW AND SHOULD BE AVOIDED.

FASTENING SCHEDULE (2022 CBC TABLE 2304.10.1)				
DESCRIPTION OF BUILDING ELEMENTS		NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION	
Roof				
1. Blocking between ceiling joists, rafters or trusses to top plate or other framing below		3-8d common (2 1/2" × 0.131"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Each end, toenail	
Blocking between rafters or truss not at the wall top plate, to rafter or truss		2-8d common (2 1/2" × 0.131") 2-3" × 0.131" nails 2-3" 14 gage staples, 7/16" crown	Each end, toenail	
Flat blocking to truss and web filler		2-16 d common (3 1/2" × 0.162") 3-3" × 0.131" nails 3-3" 14 gage staples	End nail	
2. Ceiling joists to top plate		16d common (3 1/2" × 0.162") @ 6" o.c. 3" × 0.131" nails @ 6" o.c. 3" × 14 gage staples @ 6" o.c.	Face nail	
3. Ceiling joist not attached to parallel rafter, laps over partitions (no thrust) (see Section 2308.7.3.1, Table 2308.7.3.1)		3-8d common (2 1/2" × 0.131"); or 3-10d box (3" × 0.128"); or 3-3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	Each joist, toenail	
4. Ceiling joist attached to parallel rafter (heel joint) (see Section 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	
5. Collar tie to rafter		Per Table 2308.7.3.1	Face nail	
6. Rafter or roof truss to top plate (See Section 2308.7.5, Table 2308.7.5)		3-10d 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 ¹	
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 3-16d 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	
		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	Toenail	
Wall				
8. Stud to stud (not at braced wall panels)		16d common (3 1/2" × 0.162"); 10d box (3" × 0.128"); or 3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	24" o.c. face nail	
9. Stud to stud and abutting studs at intersecting wall corners (at braced wall panels)		16d common (3 1/2" × 0.162"); or 3" × 0.131" nails; or 3-3" 14 gage staples, 7/16" crown	16" o.c. face nail	
10. Built-up header (2" to 2" header)		16d common (3 1/2" × 0.162"); or 16d box (3 1/2" × 0.135")	16" o.c. face nail	
11. Continuous header to stud		4-8d common (2 1/2" × 0.131"); or 4-10d box (3" × 0.128")	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	
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	
15. Bottom plate to joist, rim joist, band joist or blocking at braced wall panels		2-16d common (3 1/2" × 0.162); or 3-16d box (3 1/2" × 0.135"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown	16" o.c. face nail	
16. Stud to top or bottom plate		4-8d common (2 1/2" × 0.131"); or 4-10d box (3" × 0.128"); or 4-3" × 0.131" nails; or 4-3" 14 gage staples, 7/16" crown; or 2-16d common (3 1/2" × 0.162); or 3-16d box (3 1/2" × 0.135"); 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 3-16d box (3 1/2" × 0.135"); or 4-3" × 0.131" nails; or 4-3" 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" x 6" sheathing to each bearing		2-8d common (2 1/2" × 0.131"); or 2-10d box (3" × 0.128")	Face nail	
20. 1" x 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" x 6" subfloor or less to each joist		2-8d common (2 1/2" × 0.131"); or 2-10d box (3" × 0.128")	Face nail	
24. 2" subfloor to joist or girder		2-16d common (3 1/2" × 0.162")	Face nail	
25. 2" planks (plank & beam — floor & roof)		2-16d common (3 1/2" × 0.162")	Each bearing, face nail	
26. Built-up girders and beams, 2" lumber layers		20d common (4" × 0.192")	32" o.c. face nail at top and bottom staggered on opposite sides	
		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 ²				
			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 RSRS-01 (2 3/8" × 0.113") nail (roof) ³	6	12
		2 3/8" × 0.113" nail (subfloor and wall)	6	12
		2 3/8" × 0.113" nail (roof)	4	8
		8d common (2 1/2" × 0.131"); or 6d deformed (2" × 0.113") (subfloor and wall)	6	12
31. 19/32" — 3/4"		8d common or deformed (2 1/2" × 0.131") (roof) or RSRS-01 (2 3/8" × 0.113") nail (roof) ³	6	12
		2 3/8" × 0.113" nail	4	8
32. 7/8" — 1 1/4"		10d common (3" × 0.148"); or 8d deformed (2 1/2" × 0.131")	6	12
Other exterior wall sheathing				
33. 1/2" fiberboard sheathing ³		1 1/2" galvanized roofing nail (7/16" head diameter); or 1 1/4" 16 gage staple with 7/16" or 1" crown	3	6
34. 25/32" fiberboard sheathing ³		1 3/4" galvanized roofing nail (7/16" diameter head); or 1 1/2" 16 gage staple with 7/16" or 1" crown	3	6
Wood structural panels, combination subfloor underlayment to framing				
35. 3/4" and less		8d common (2 1/2" × 0.131"); or 6d deformed (2" × 0.113")	6	12
36. 7/8" — 1"		8d common (2 1/2" × 0.131"); or 8d deformed (2 1/2" × 0.131")	6	12
37. 1 1/8" — 1 1/4"		10d common (3" × 0.148"); or 8d deformed (2 1/2" × 0.131")	6	12
Panel siding to framing				
38. 1/2" or less		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 3/8" × 0.128"); or 8d corrosion-resistant casing (2 1/2" × 0.113")	6	12
Interior paneling				
40. 1/4"		4d casing (1 1/2" × 0.080"); or 4d finish (1 1/2" × 0.072")	6	12
41. 3/8"		6d casing (2" × 0.099"); or 6d finish (Panel supports at 24 inches)	6	12
Footnotes:				
a. Nails spaced at 6 inches at intermediate supports where spans are 48 inches or more. For nailing of wood structural panel and particleboard diaphragms and shear walls, refer to Section 2305. Nails for wall sheathing are permitted to be common, box or casing.				
b. Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications. Panel supports at 16 inches (20 inches if strength axis in 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. RSRS-01 is a Roof Sheathing Ring Shank nail meeting the specifications in ASTM F1667.				

FLOOR FRAMING PLAN

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

NOTES:

1. FOR FLOOR BLOCKING SEE DETAILS
4.7B / S-1.50 (STD).
4.7A / S-1.50 (ALT)
2. FOR BUILDINGS ON WOOD FOUNDATION SYSTEMS,
PROVIDE 1 1/16" DIA. HOLE AT BOTTOM FLANGE OF FLOOR BEAM
FOR LAG SCREW ATTACHMENT TO FOUNDATION PLATES BELOW.
FOR EXACT HOLE LOCATIONS, SEE FOUNDATION PLAN.
3. FLOOR SHEATHING SHALL BE PRESSURE TREATED WOOD OR
NATURALLY DURABLE IF BOTTOM OF PLYWOOD IS LESS THAN 18"
CLEAR FROM EXPOSED EARTH.

FLOOR JOIST TABLE

		LIVE LOAD PSF	JOIST SPACING	
			CLASSROOM ☒	OFFICE ☐
☐	50	48"	48" DBL JOIST	
☐	50	32"	32" DBL JOIST	
☐	50	24"	24" DBL JOIST	
☐	50	16"	16" DBL JOIST	
☒	50 + 15	32"		
☐	50 + 15	24"		
☐	50 + 15	16"		
☐	100	24"		
☐	100	16"		
☐	150	16"		

FLOOR SHEATHING

- ☒ PRESSURE TREATED
- ☐ NON-PRESSURE TREATED

NOTE;
SEE S-3.02 FOR FLOOR BEAM SCHEDULE

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

FLOOR FRAMING PLAN
WOOD FLOOR

REVISIONS

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

PC STATE AGENCY APPROVAL



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

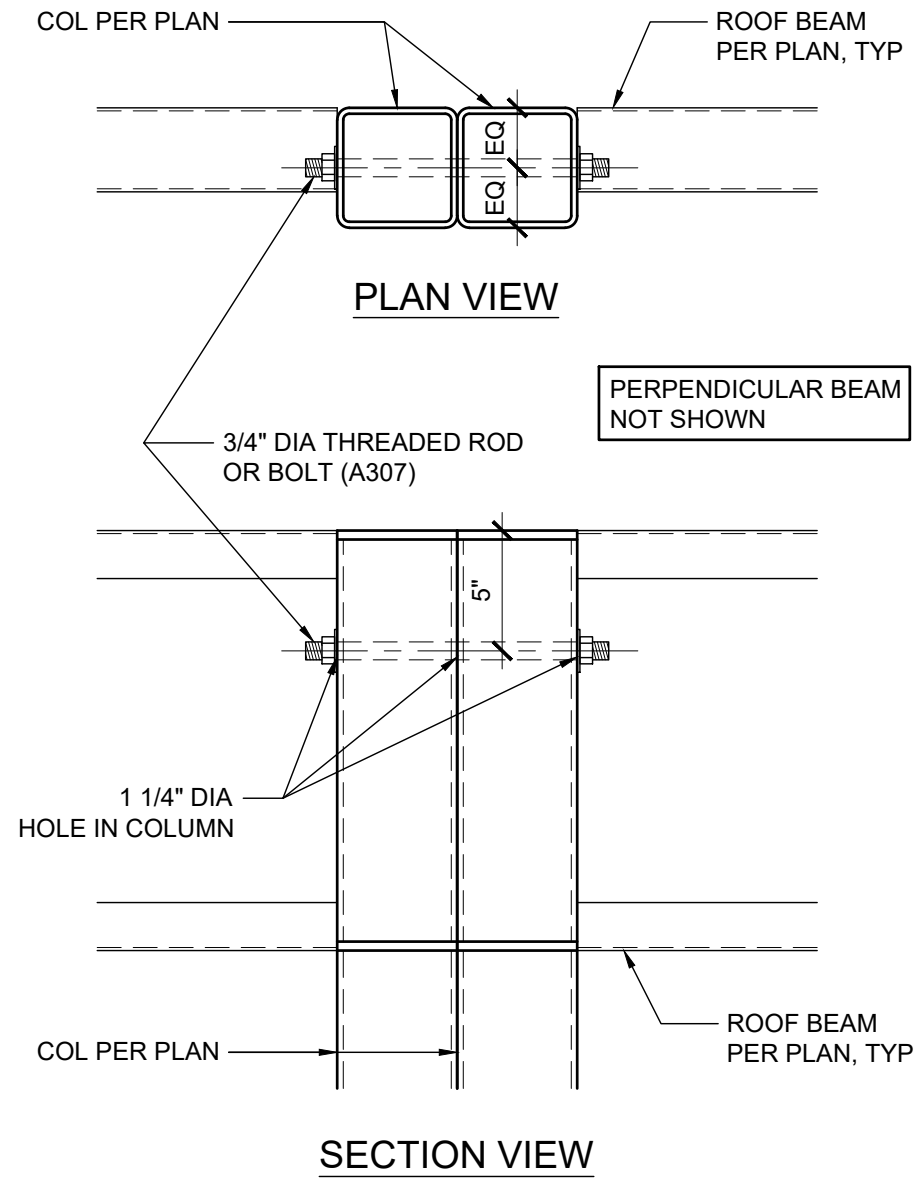
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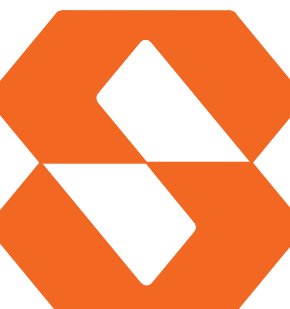
S-1.01

ROOF FRAMING PLAN

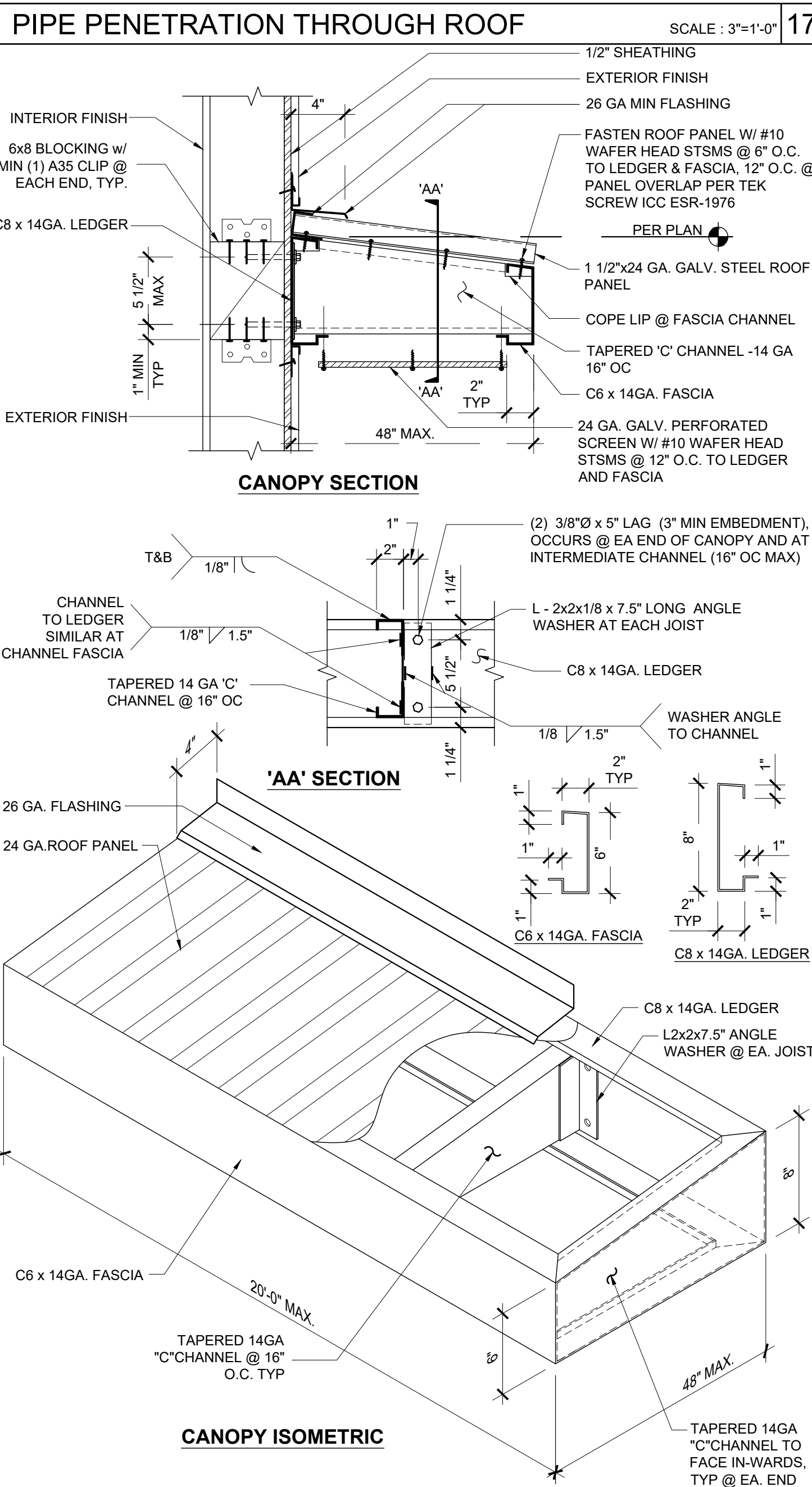
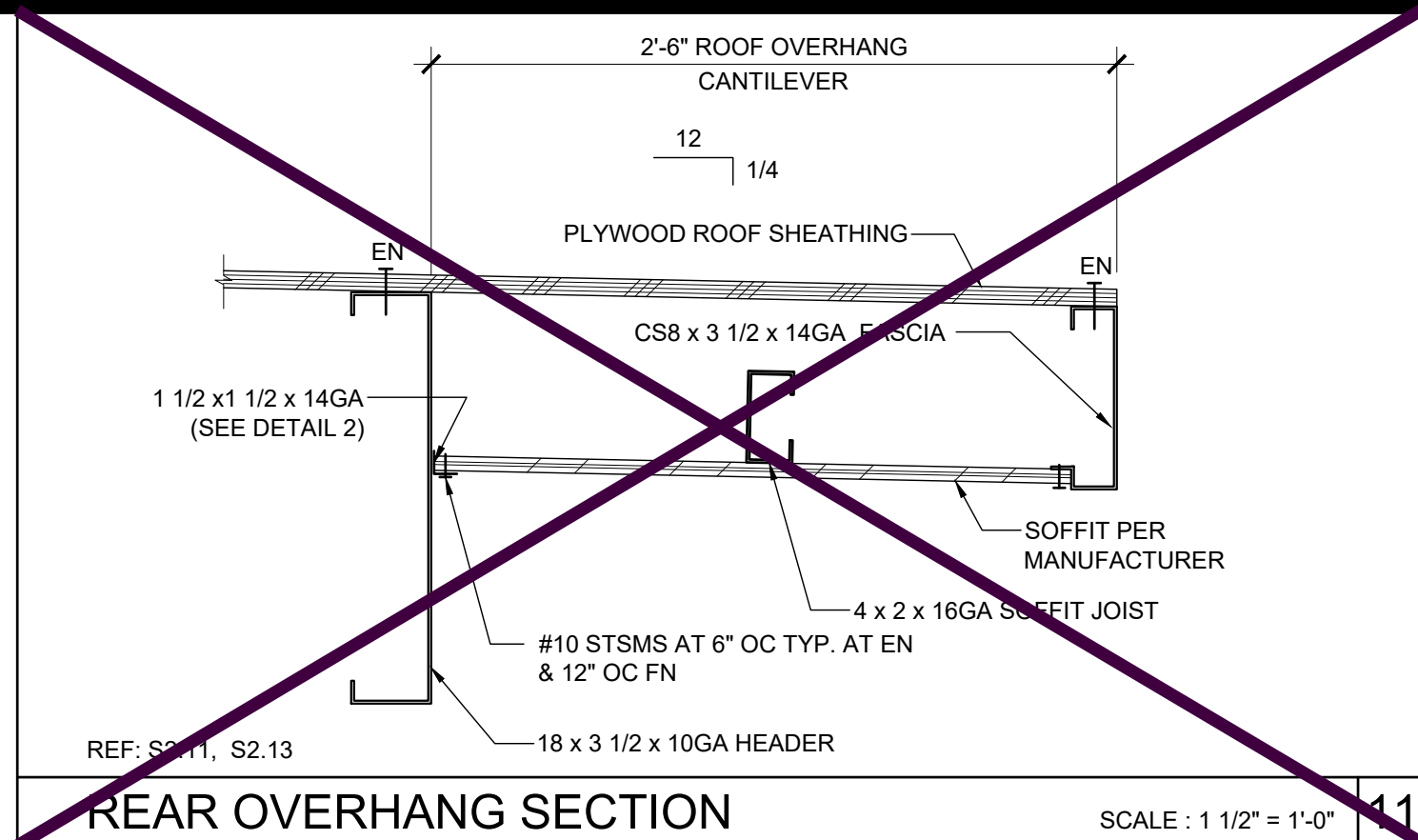
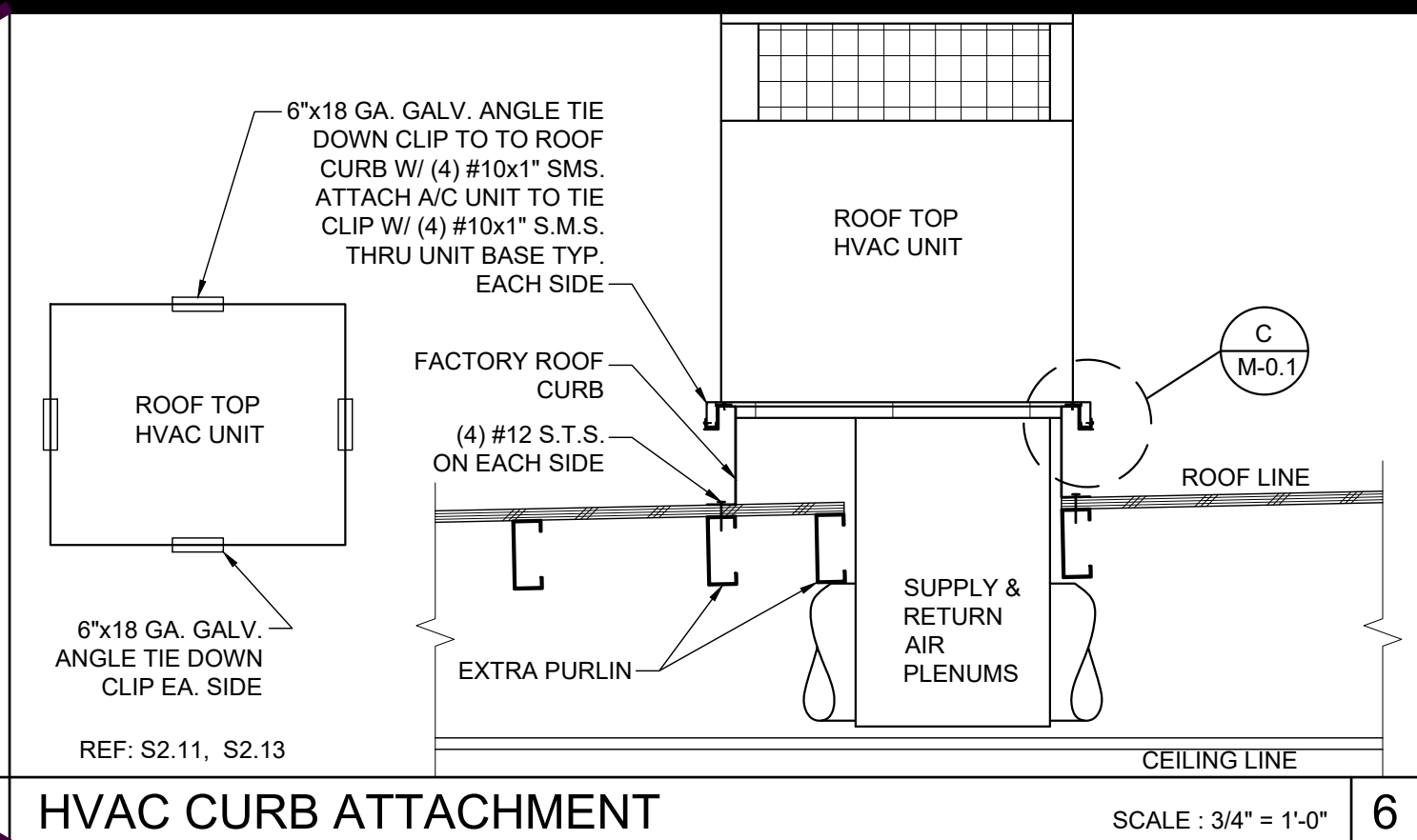
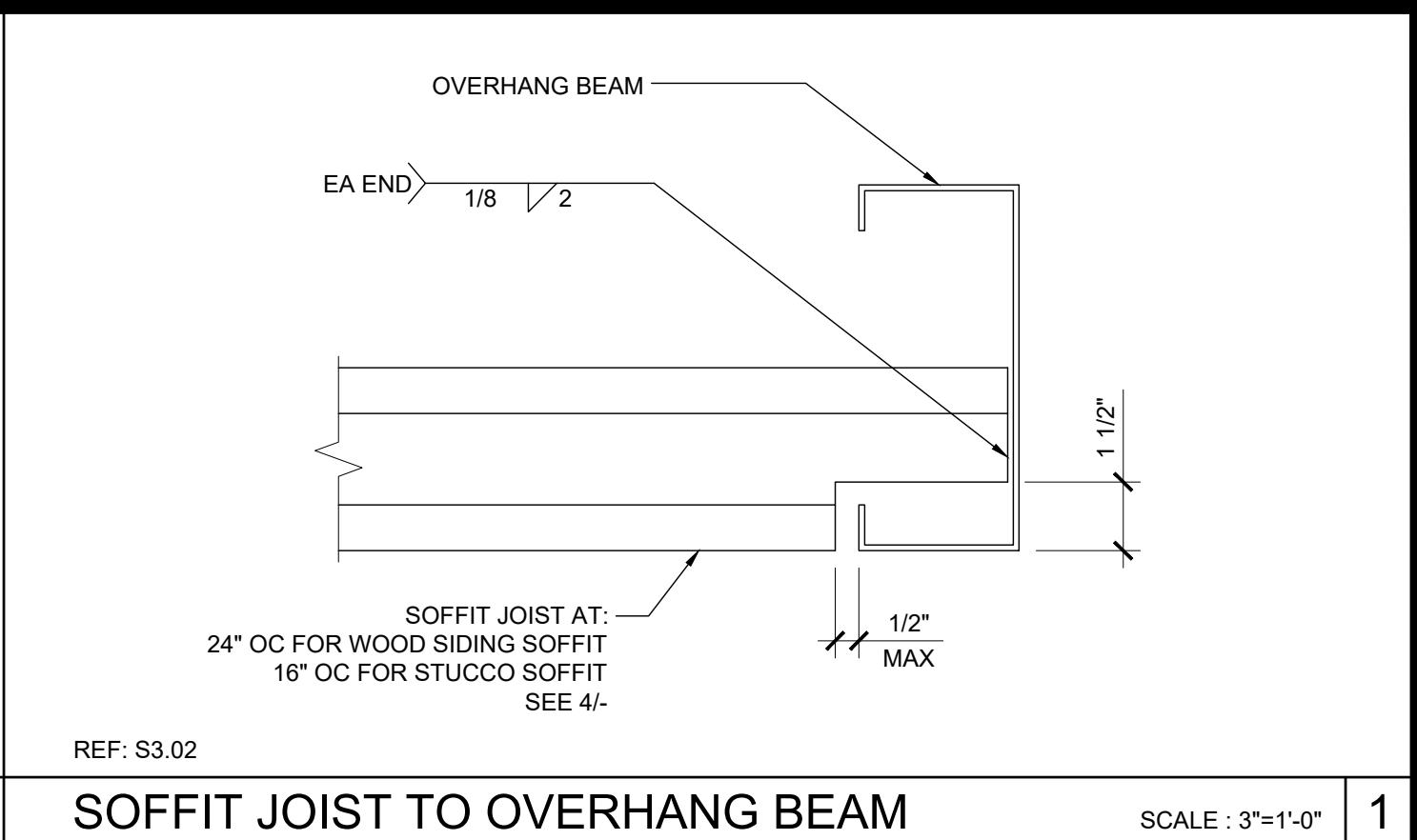
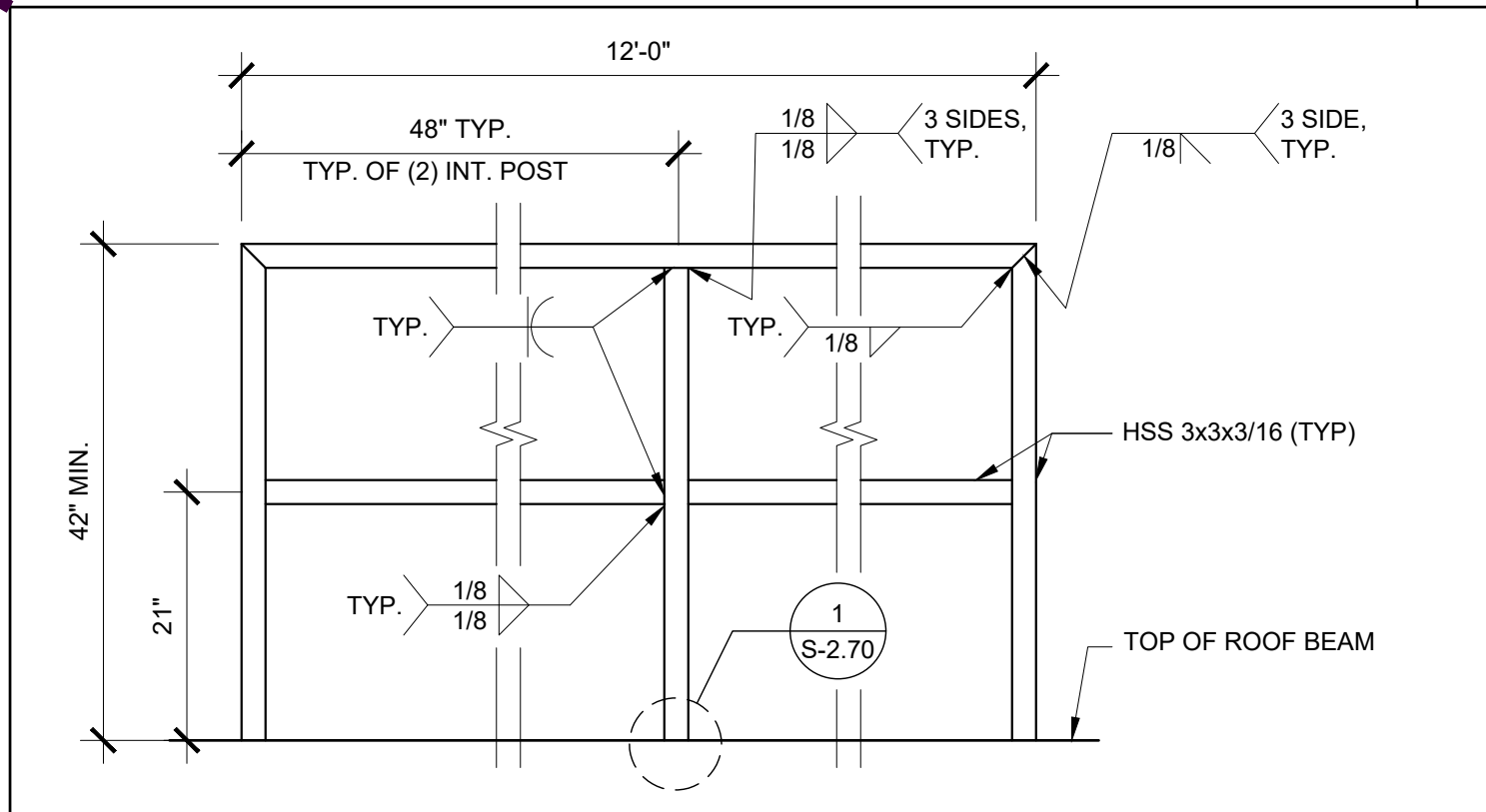
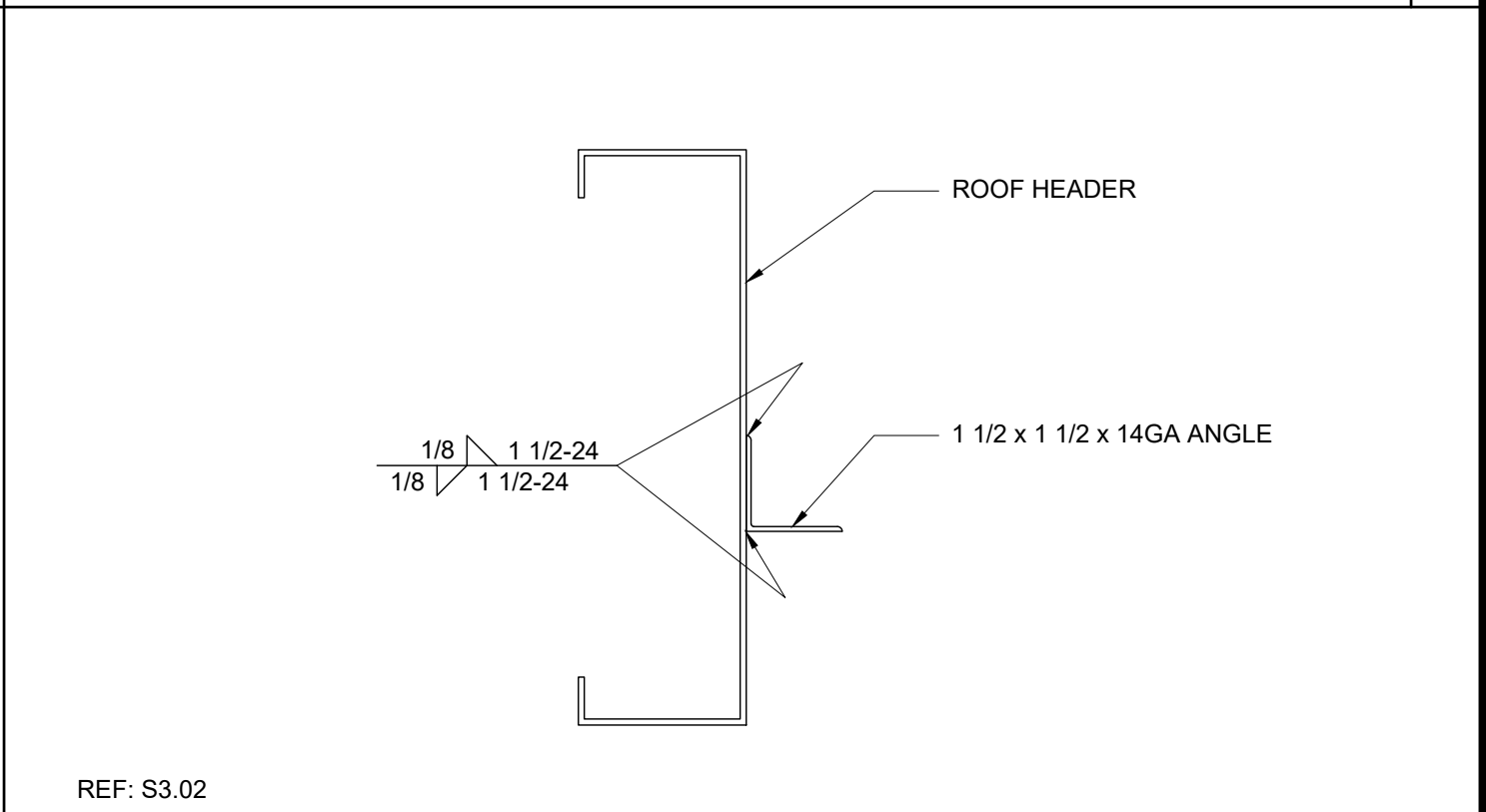
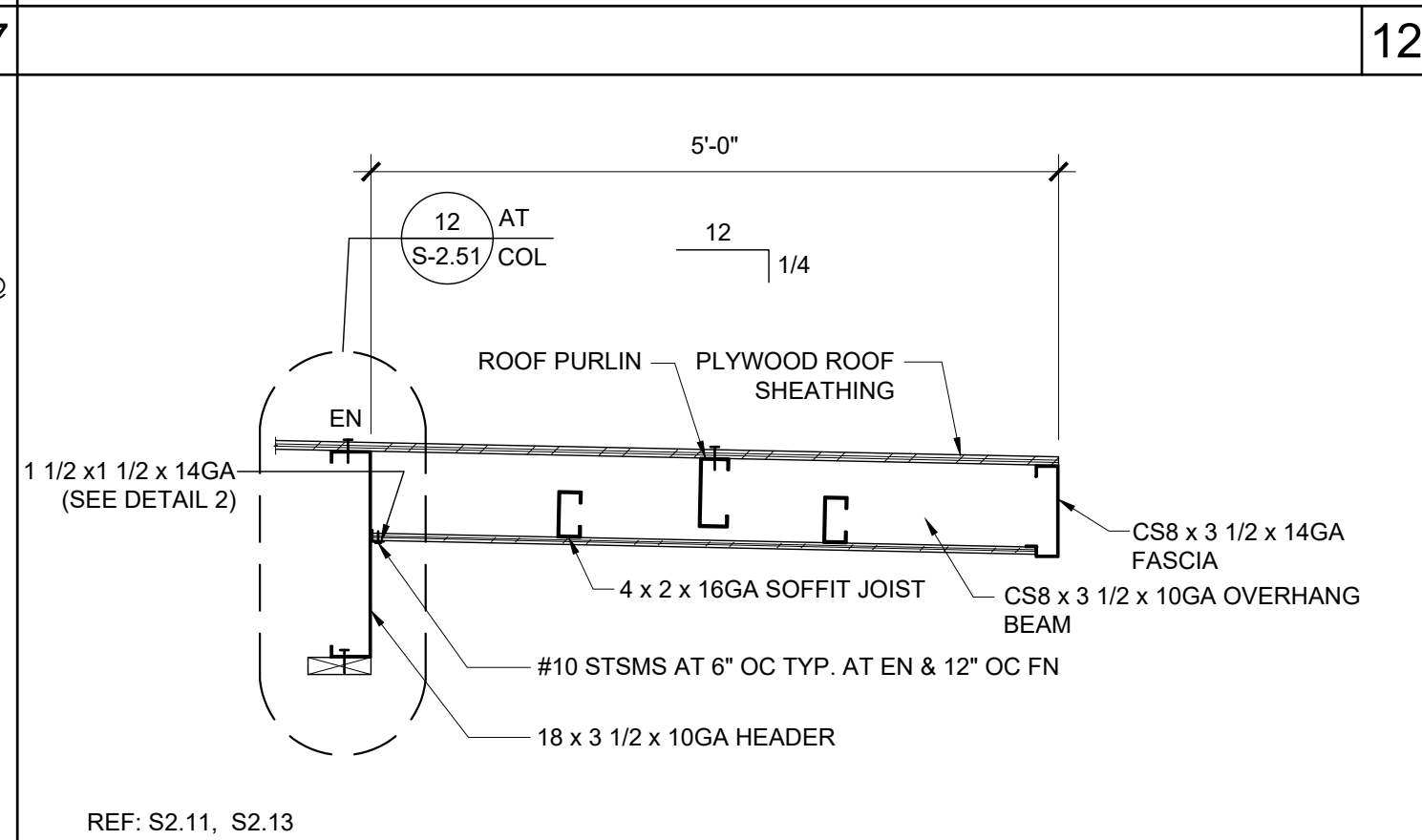
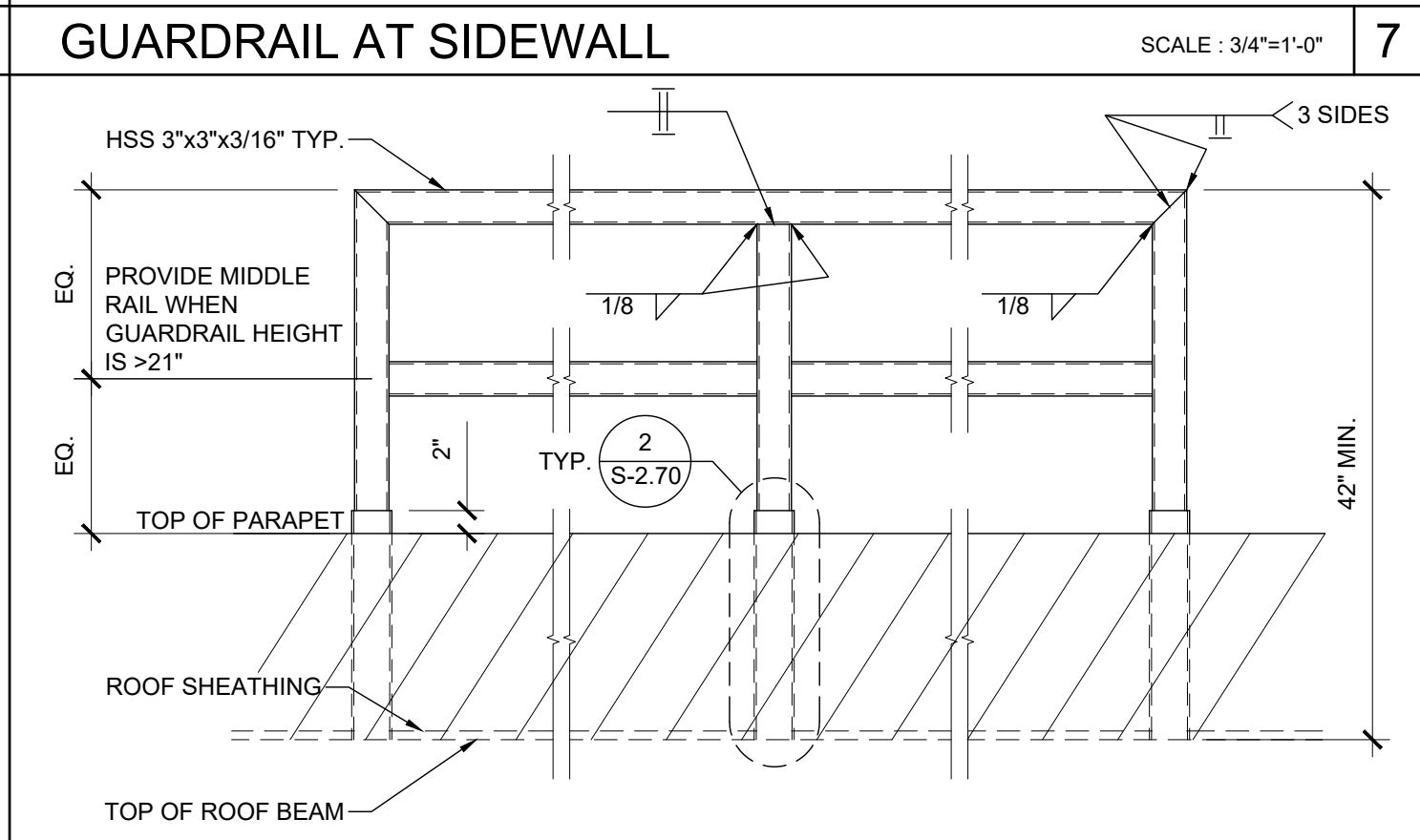
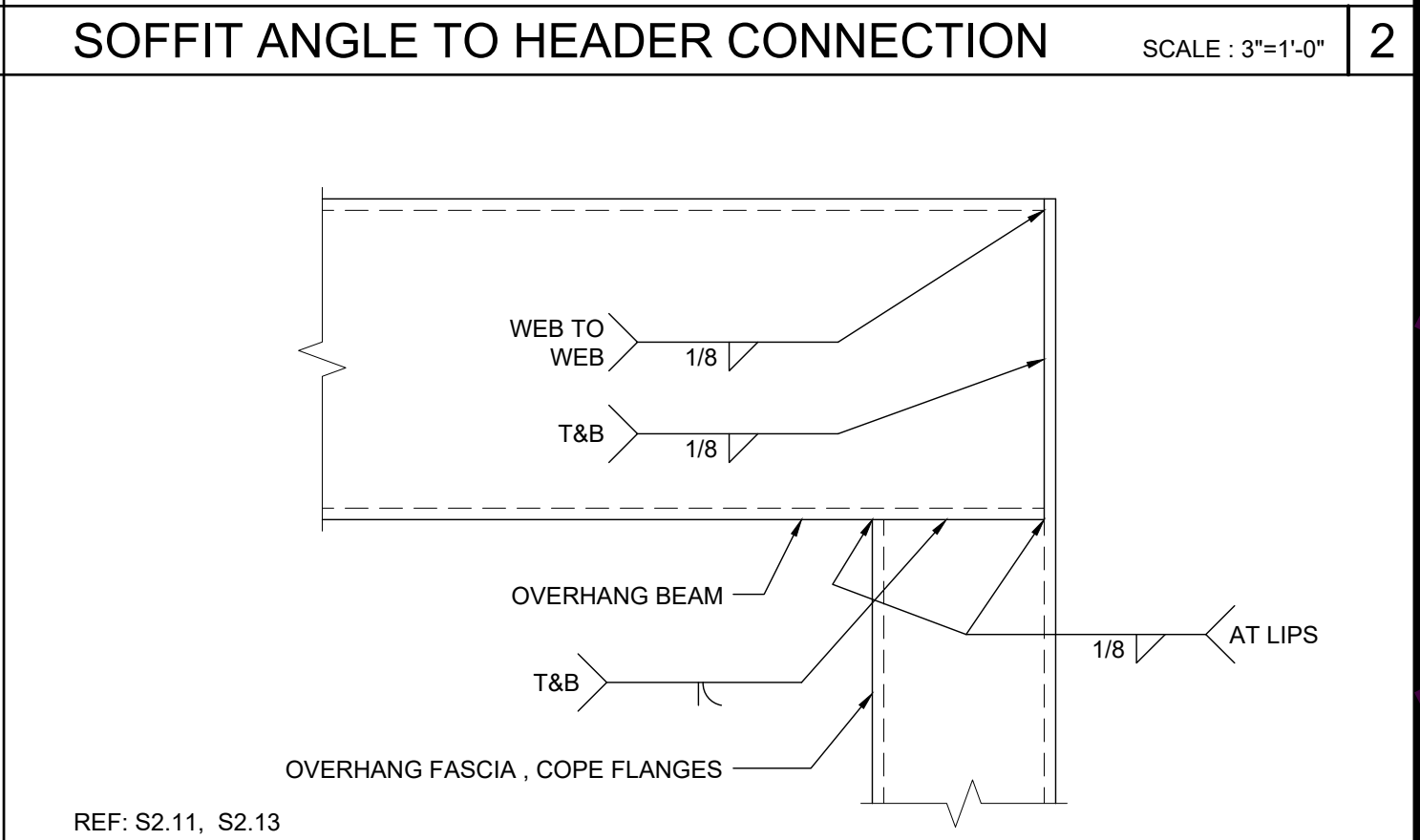
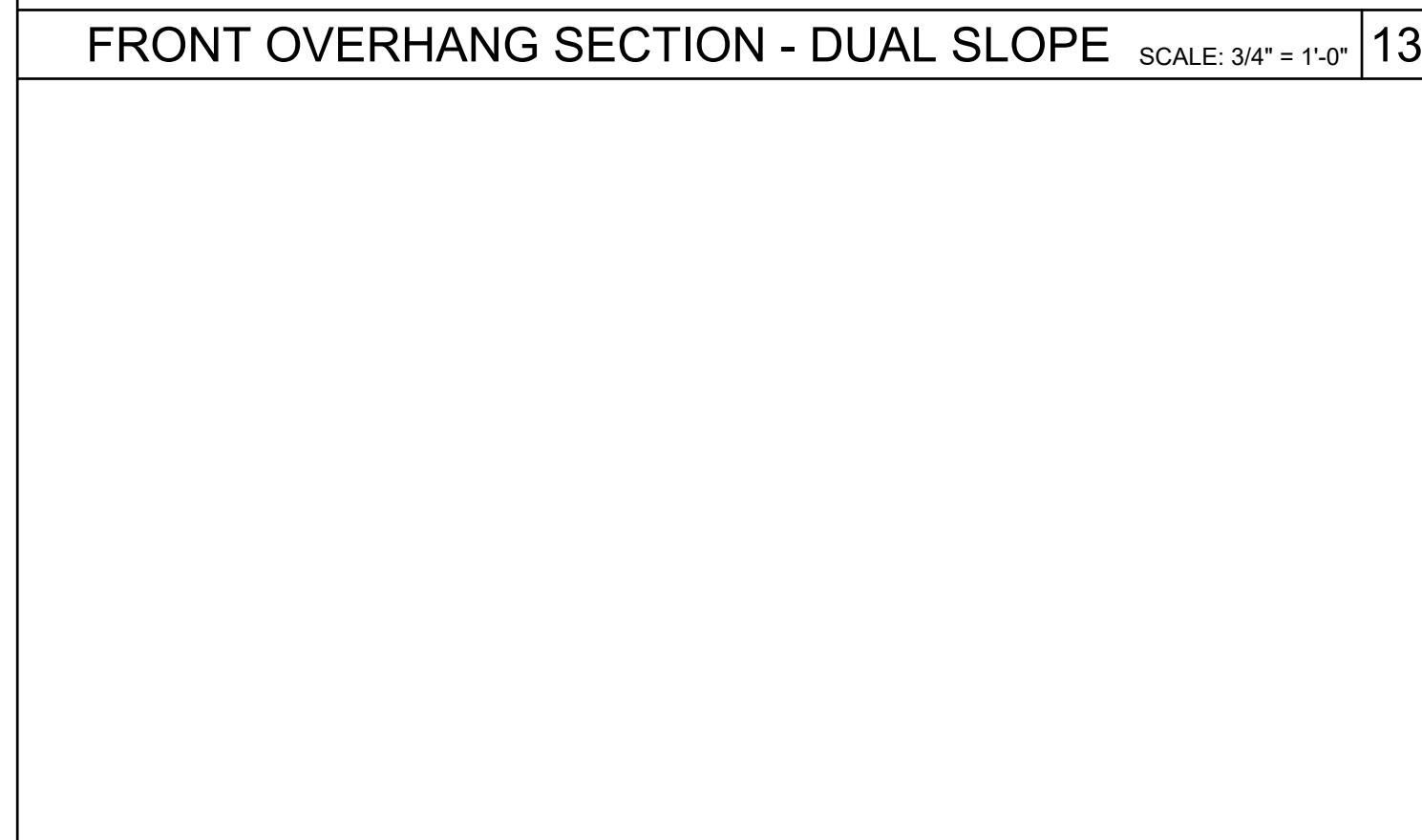
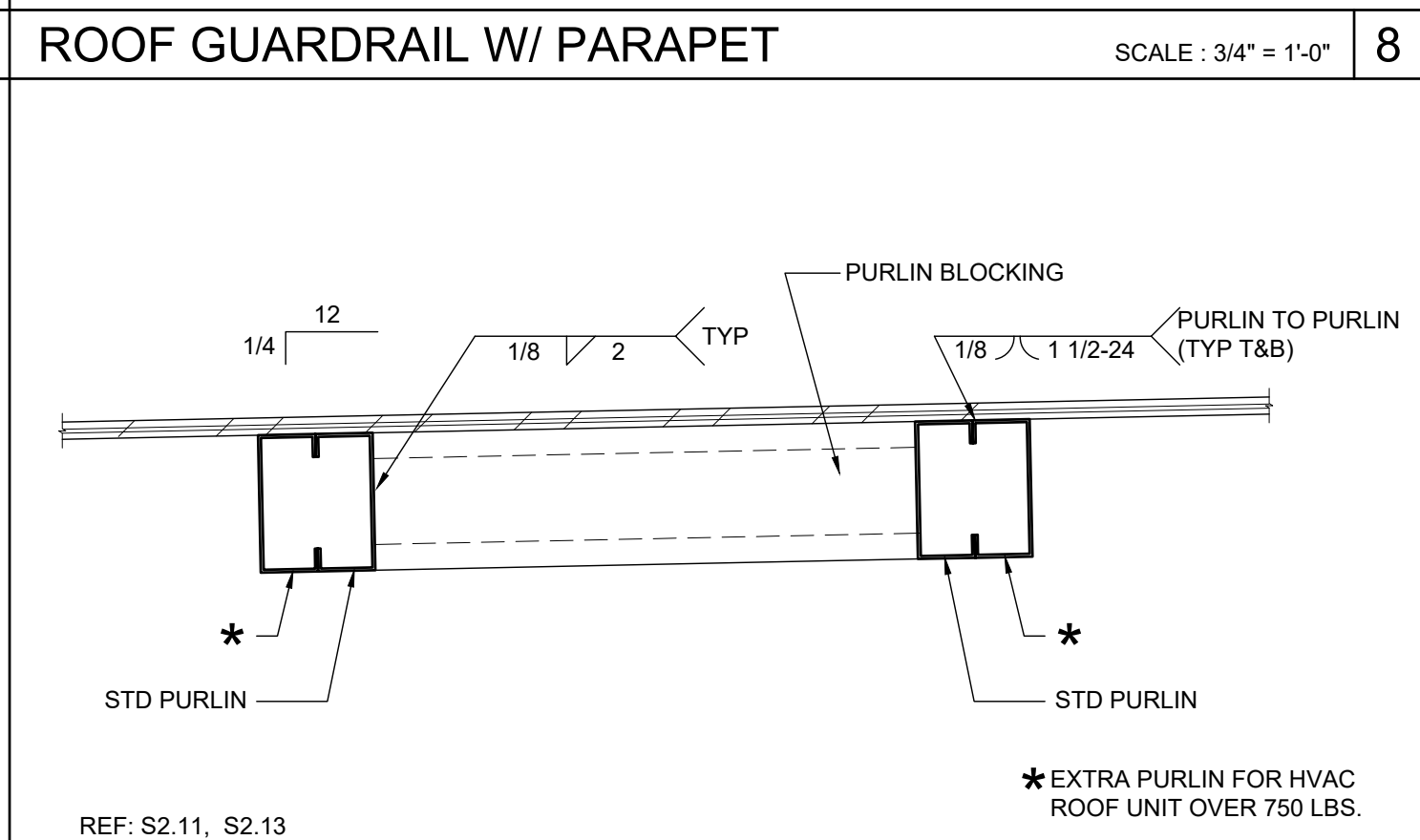
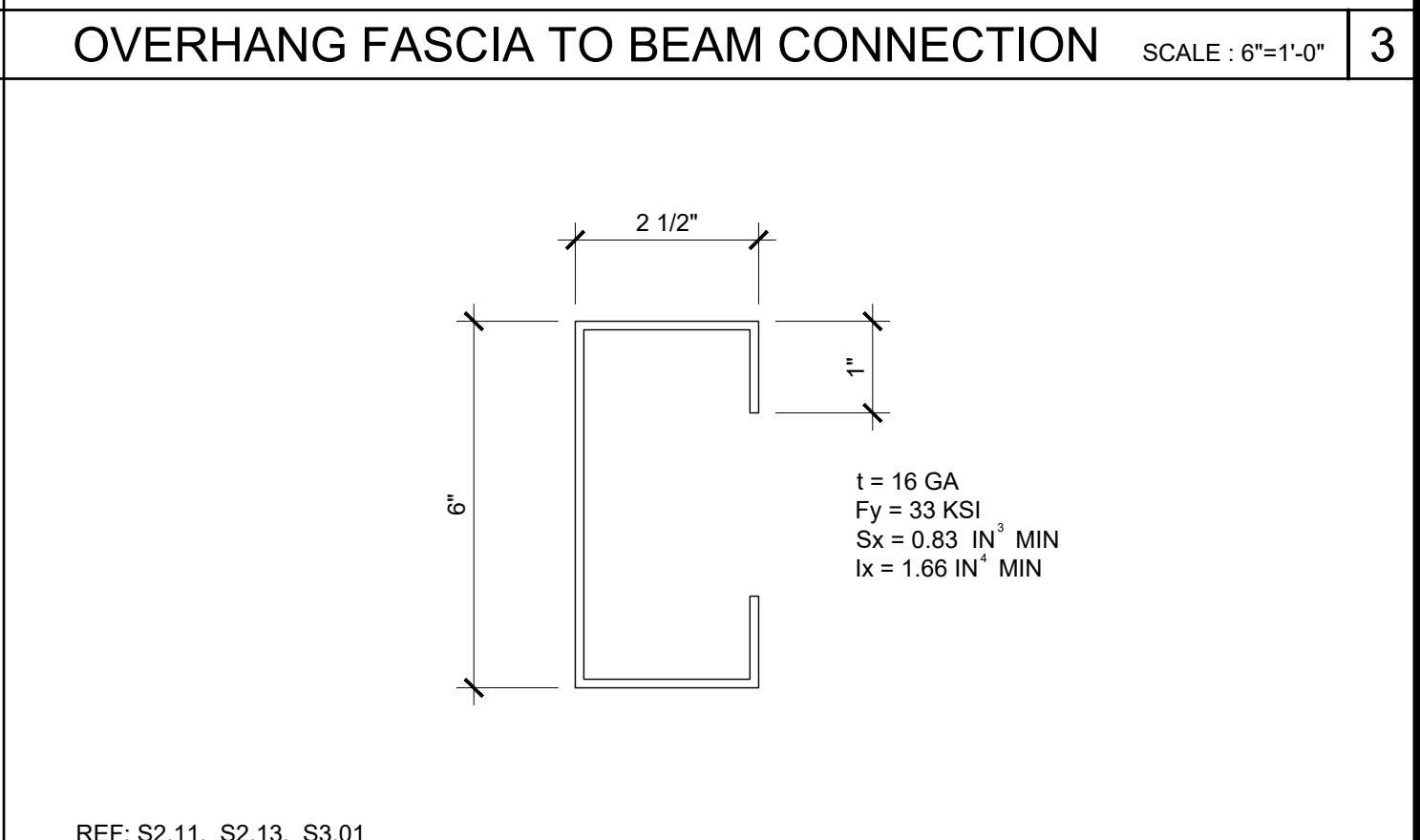
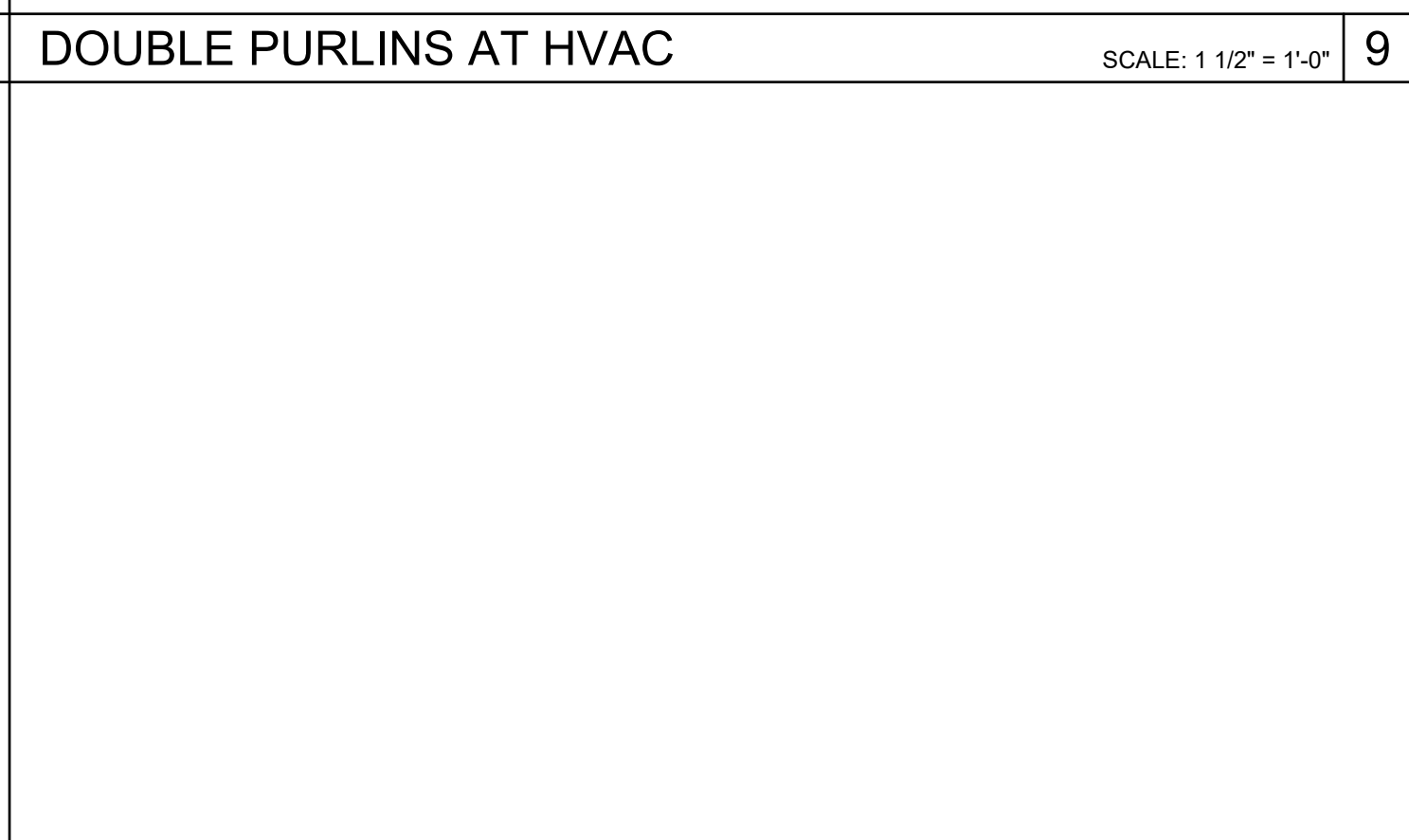
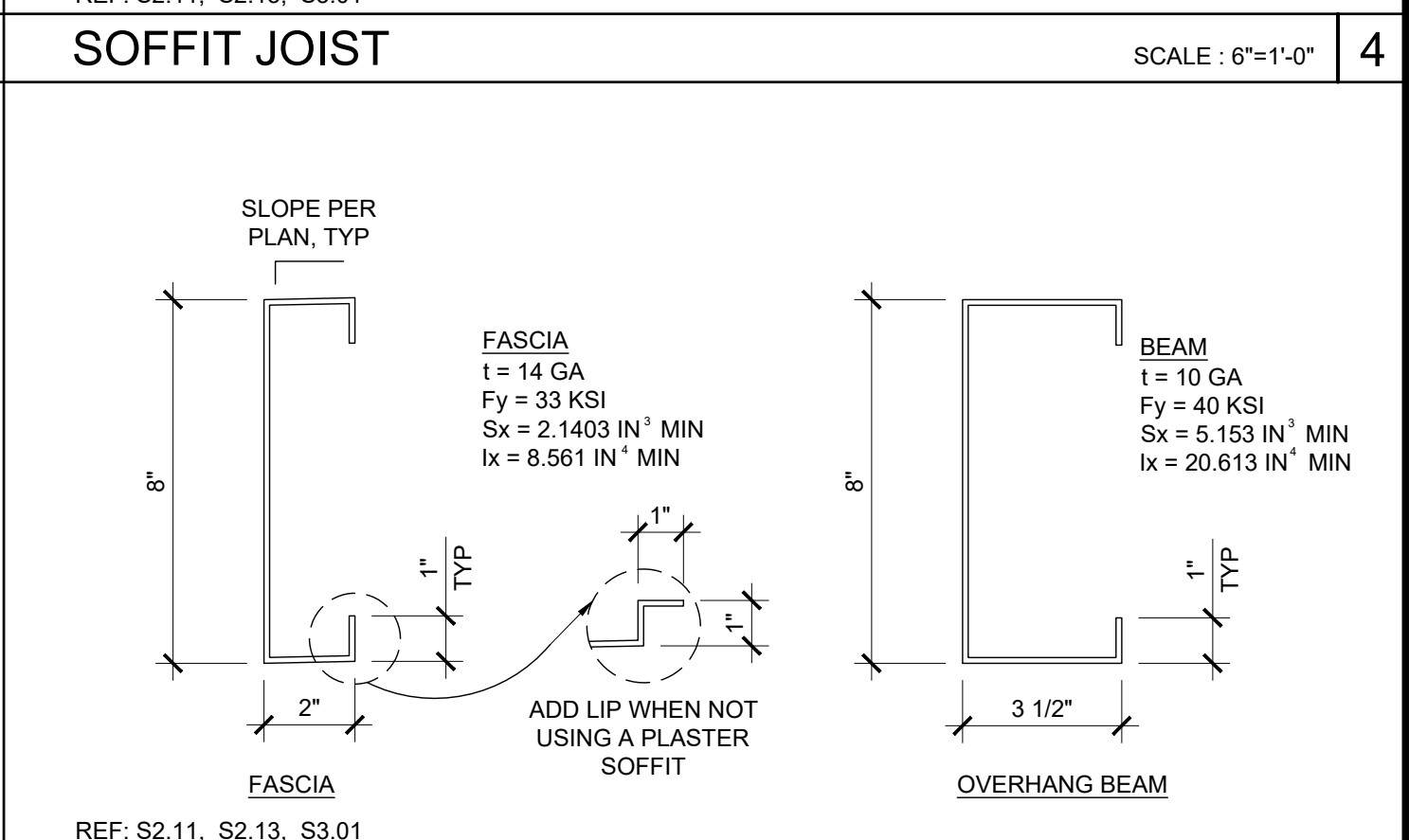
- # NOTES
1. FOR WALL MOUNTED HVAC UNIT. PROVIDE OPENING THROUGH REAR ROOF HATCH WHERE IT OCCURS. SEE FLOOR PLAN FOR HVAC LOCATION.
SEE 5, 15/ S-2-50 OR 15/S-2-51 FOR DETAILS
 2. PROVIDE ADDITIONAL JOIST FOR FIRE SPRINKLER LINE AS NEEDED. LOCATION OF FIRE SPRINKLER PURLIN TO BE DETERMINED BY SITE STIFFENER 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.
 3. FOR OPTIONAL SIDE BEAM OPENING SEE 10, 15/S-2-50 OR 10, 15/S-2-51 FOR DETAILS

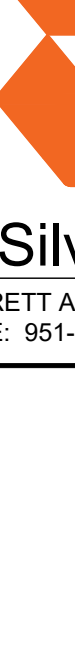
ROOF DIAPHRAGM SCHEDULE	
	FASTENER REQUIREMENTS
NON-BLOCKED DIAPHRAGM	TEK SCREWS @ 6" OC E.N., 6" OC F.N.

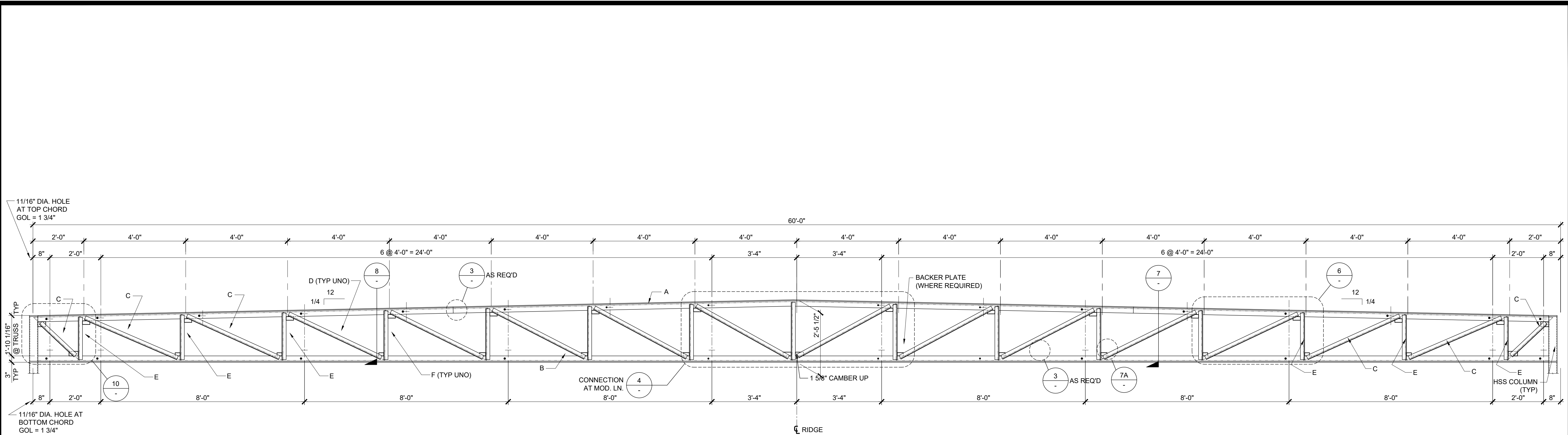


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PROJECT SPECIFIC STATE AGENCY APPROVAL	
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PROJECT NAME:	
<p>SOUTH SAN FRANCISCO U.S.D.</p> <p>U.S.D.</p> <p>SAN FRANCISCO H.S.</p>	
SHEET TITLE:	
<p>ROOF FRAMING PLAN</p> <p>DUAL SLOPE</p>	
REVISIONS	
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<p>PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED</p>	
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PC STATE AGENCY APPROVAL	
<div style="margin-bottom: 10px;"></div> <div style="margin-bottom: 10px;"><h2 style="margin: 0;">Silver Creek</h2></div> <div style="margin: 0;"><p style="margin: 0;">2830 BARRETT AVE PERRIS, CALIFORNIA 92571</p><p style="margin: 0;">PHONE: 951-943-5393 FAX: 951-943-2211</p></div>	
MODULAR BUILDING DESIGN PROFESSIONAL	
<div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: 150px; margin: 0 auto;"><p style="text-align: center; margin: 0;">REGISTERED PROFESSIONAL ENGINEER</p><p style="text-align: center; margin: 5px 0;">JOHN W. STARVO</p><p style="text-align: center; margin: 0;"><i>[Signature]</i></p><p style="text-align: center; margin: 5px 0;">STRUCTURAL</p><p style="text-align: center; margin: 0;">STATE OF CALIFORNIA</p></div>	
SILVER CREEK INDUSTRIES 24' x 60' PC	
PROJECT NO:	
DRAWN BY:	
SCALE: AS NOTED	
DATE: 09-19-2023	
P.C. SHEET NUMBER	
<p style="font-size: 2em; font-weight: bold;">S-2.11</p>	

		REF: S2.11, S2.12, S2.13	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
NOT USED		REF: S2.11, S2.12, S2.13	17	ROOF HEADER	SCALE : NTS	12	BEAM SPLICE	SCALE : 3"= 1'-0"	7	COLUMN AT ROOF - SECTION	SCALE : 3"= 1'-0"	2
NOT USED		REF: S2.11, S2.12, S2.13	18	PURLINS AT PLYWOOD ROOF RIDGE	SCALE : 1 1/2"=1'-0"	13	PURLIN TO ROOF BEAM @ STIFFENER	SCALE : 3"=1'-0"	8	COLUMN AT ROOF OVERHANG	SCALE : 3"= 1'-0"	3
		REF: S2.11, S2.12, S2.13	19	MIDDLE COLUMN CONNECTION AT ROOF	SCALE : 1 1/2"=1'-0"	14	NOT USED		9	NOT USED		4
		REF: S2.11, S2.12, S2.13	20	WEB OPENING AT ROOF HEADER	SCALE : 3"= 1'-0"	15	NOT USED		10	NOT USED		5
		REF: S2.11, S2.12, S2.13, S2.51	21	NOT USED		16	NOT USED		11	NOT USED		6
		REF: S2.12	22	NOT USED		17	NOT USED		12	NOT USED		7
		REF: S2.11, S2.12, S2.13	23	NOT USED		18	NOT USED		13	NOT USED		8
		REF: S2.51	24	NOT USED		19	NOT USED		14	NOT USED		9
		REF: S2.51	25	NOT USED		20	NOT USED		15	NOT USED		10
		REF: S2.51	26	NOT USED		21	NOT USED		16	NOT USED		11
		REF: S2.51	27	NOT USED		22	NOT USED		17	NOT USED		12
		REF: S2.51	28	NOT USED		23	NOT USED		18	NOT USED		13
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		REF: S2.51	42	NOT USED		37	NOT USED		32	NOT USED		27
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		REF: S2.51	44	NOT USED		39	NOT USED		34	NOT USED		29
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		REF: S2.51	68	NOT USED		63	NOT USED		58	NOT USED		53
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PROJECT SPECIFIC STATE AGENCY APPROVAL	
<small>THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK 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</small>	
PROJECT NAME:	
<h2 style="margin: 0;">SOUTH SAN FRANCISCO U.S.D.</h2> <h2 style="margin: 0;">U.S.D.</h2> <h2 style="margin: 0;">SAN FRANCISCO H.S.</h2>	
SHEET TITLE:	
<h1 style="margin: 0;">ROOF FRAMING DETAILS</h1>	
REVISIONS	
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<div style="display: flex; justify-content: space-between;"><div style="width: 40%;">PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED</div><div style="width: 50%; text-align: center;"><div style="border: 2px solid black; border-radius: 15px; padding: 10px; margin: 0 auto; width: 80%;"><p style="margin: 0;">APPROVED</p><p style="margin: 0;">DIV. OF THE STATE ARCHITECT</p><p style="margin: 0;">APP: 04-122602 PC</p><p style="margin: 0;">VIEWED FOR</p><p style="margin: 0;">SS ☒ FLS ☒ ACS ☒ CG ☒</p><p style="margin: 0;">DATE: 10/10/2023</p></div></div></div>	
PC STATE AGENCY APPROVAL	
<div style="margin-bottom: 20px;"></div> <h2 style="margin: 0;">Silver Creek</h2> <p style="margin: 0;">2830 BARRETT AVE PERRIS, CALIFORNIA 92571</p> <p style="margin: 0;">PHONE: 951-943-5393 FAX: 951-943-2211</p>	
MODULAR BUILDING DESIGN PROFESSIONAL	
<div style="border: 2px solid black; border-radius: 50%; padding: 10px; margin: 0 auto; width: 150px; height: 150px;"><p style="margin: 0; font-size: 0.8em;">REGISTERED PROFESSIONAL ENGINEER</p><p style="margin: 0; font-size: 0.8em;">JOHN W STARK</p><p style="margin: 0; font-size: 0.8em;">STRUCTURAL</p><p style="margin: 0; font-size: 0.8em;">STATE OF CALIFORNIA</p></div>	
SILVER CREEK INDUSTRIES 24' x 60' PC	
PROJECT NO:	
DRAWN BY:	
SCALE: AS NOTED	
DATE: 09-19-2023	
P.C. SHEET NUMBER	
<h1 style="margin: 0;">S-2.60</h1>	



NOTES:

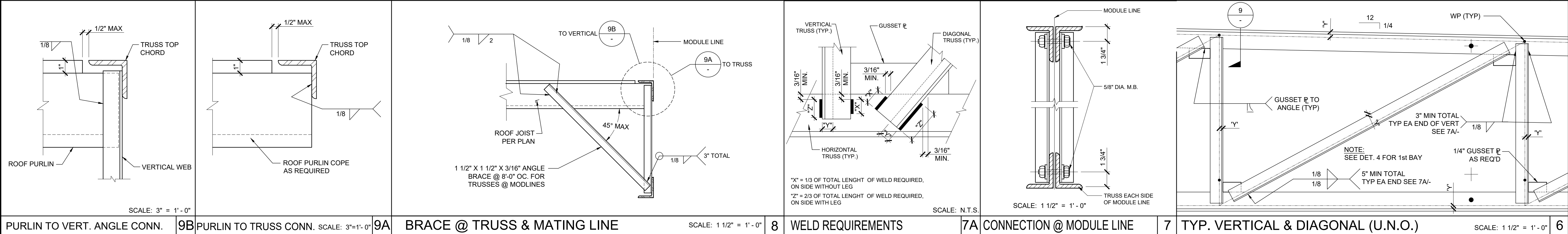
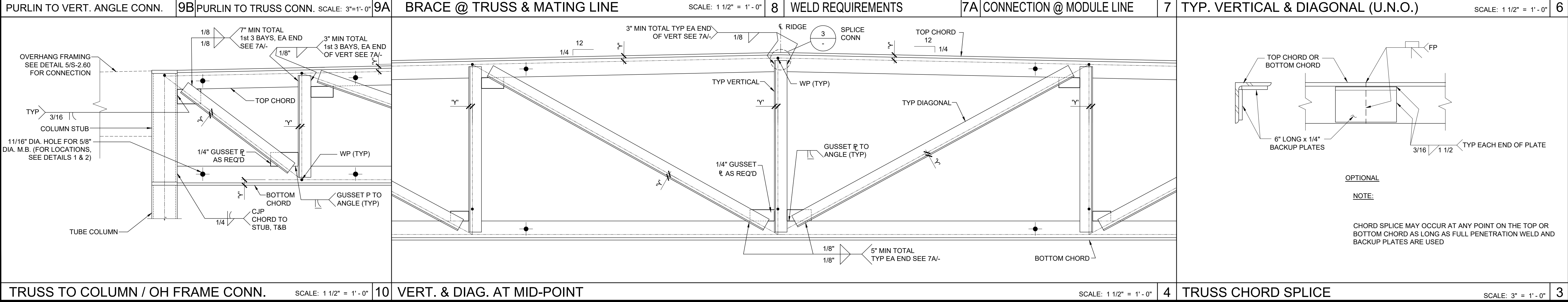
- ALL STEEL GRADES TO BE A-36 WITH 36 K.S.I. MIN. YIELD, EXCEPT GAUGE MATERIAL SHALL BE A-1011/GRADE 40
- REQUIRED ELECTRODES FOR ALL WELDS TO BE E-70
- VOLTAGE & AMPERAGE SHALL BE PER ELECTRODE MANUFACTURERS SPECIFICATIONS
- BOLTS AND NUTS GRADES TO BE A307

REF: ROOF FRAMING PLAN

TRUSS MARK:			Y=
A	TOP CHORD	6" x 6" x 3/8"	1 1/4
B	BOTTOM CHORD	6" x 6" x 3/8"	1 1/4
C	END DIAGONALS (3 EACH END)	2 1/2" x 2 1/2" x 3/16"	5/8
D	TYPICAL DIAGONALS	2" x 2" x 3/16"	7/16
E	END VERTICAL (3 EACH END)	2" x 2" x 3/16"	7/16
F	TYPICAL VERTICALS	2" x 2" x 3/16"	7/16

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

DUAL SLOPE TRUSS



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

ROOF FRAMING
DETAILS
TRUSS

REVISIONS	
1	
2	
3	
4	
5	

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122602 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023

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 60' PC

PROJECT NO:

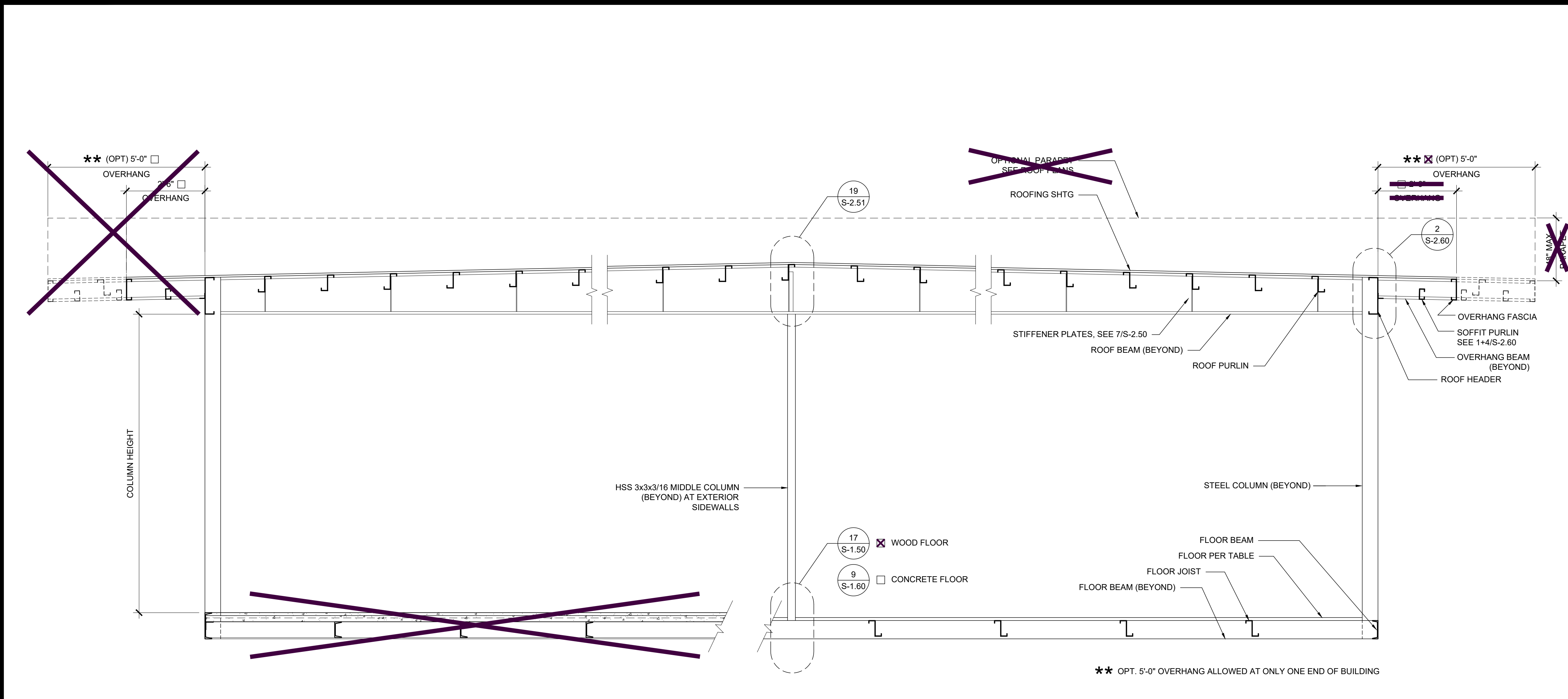
DRAWN BY:

SCALE: AS NOTED

DATE: 09-19-2023

P.C. SHEET NUMBER

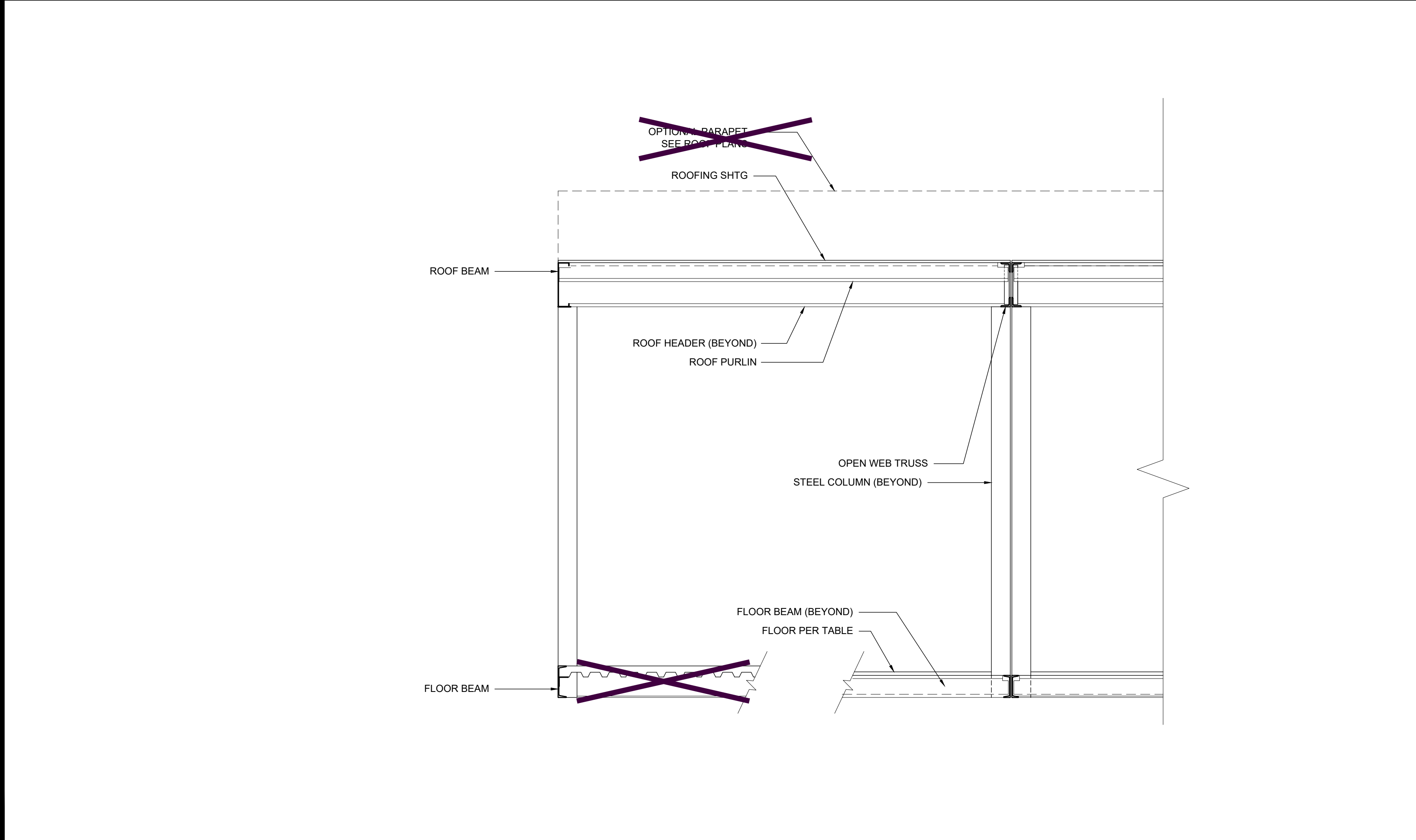
S-2.90



BUILDING SECTION

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

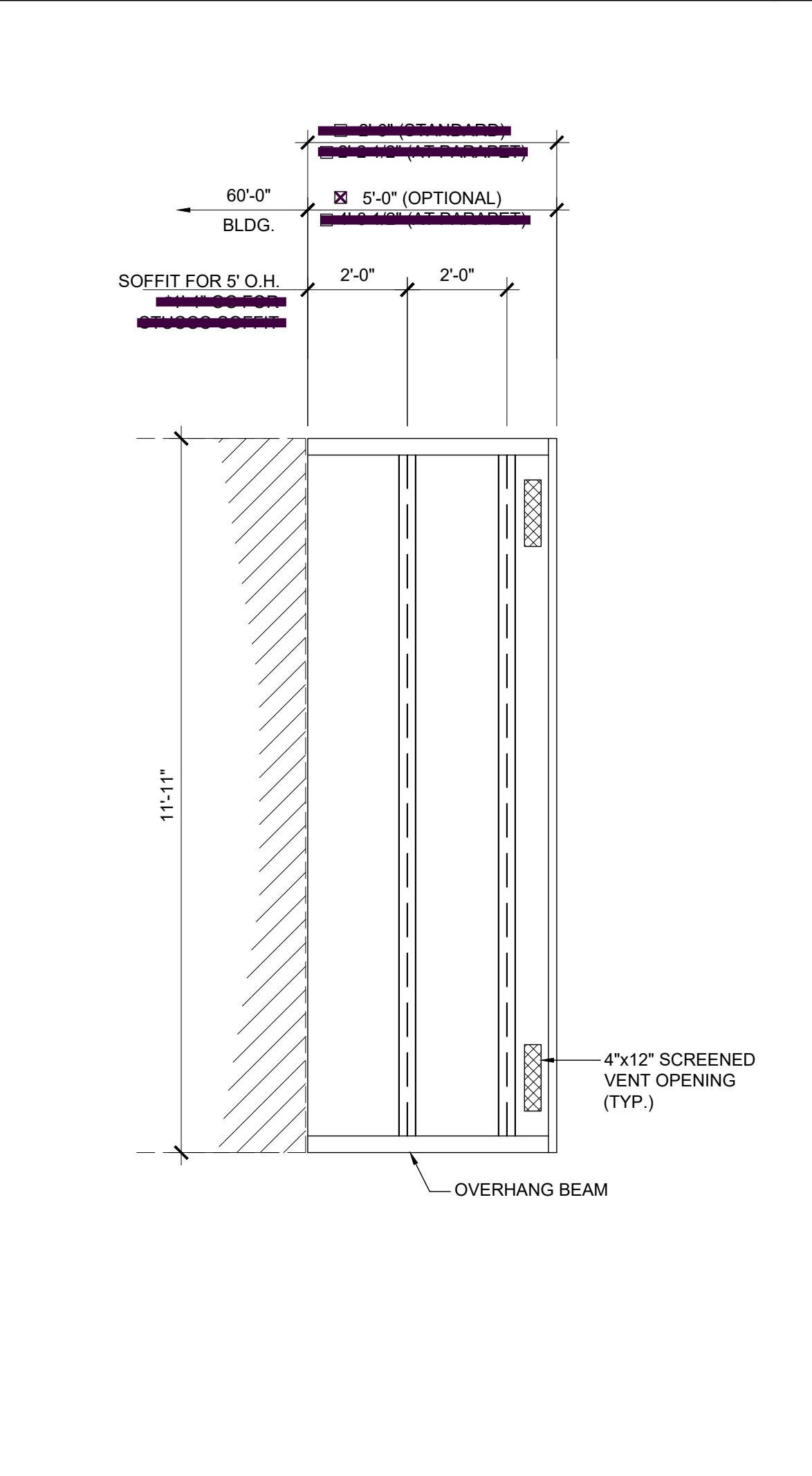
1



BUILDING SECTION

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

3



ENCL. SOFFIT PLAN-OPT.

SCALE: 3/8" = 1'-0"

2

NOTES

1. ALL INFORMATION SUCH AS DETAILS, SECTIONS, CONNECTIONS, AND MATERIAL ATTACHMENT SHALL BE REFERENCED FROM OTHER SHEETS WITHIN THIS SET WHERE IT APPLIES.

FLOOR CONSTRUCTION

- ☒ WOOD FLOOR
☐ CONCRETE FLOOR

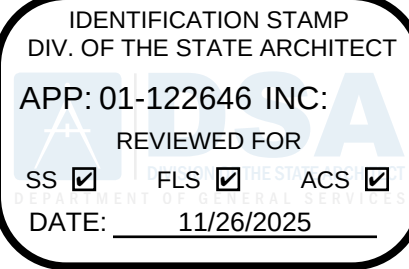
FLOOR BEAM SCHEDULE

COL HT	NO PARAPET	16" MAX. PARAPET	48" MAX. PARAPET
☐ 9'-0"	C8 x 11.5	C8 x 11.5	C10 x 15.3
☒ 9'-6"	C8 x 11.5	C10 x 15.3	C10 x 15.3
☐ 10'-0"	C8 x 11.5	C10 x 15.3	C10 x 15.3
☐ 10'-6"	C8 x 11.5	C10 x 15.3	C10 x 15.3

NOTE:
CONCRETE FLOOR REQUIRES C10x15.3
FLOOR BEAMS ALL SCENARIOS

COLUMN SCHEDULE

COL HT	NO PARAPET	16" MAX. PARAPET	48" MAX. PARAPET
☐ 9'-0"	6x6x3/8	6x6x3/8	6x6x3/8
☒ 9'-6"	6x6x3/8	6x6x3/8	6x6x3/8
☐ 10'-0"	6x6x3/8	6x6x3/8	6x6x3/8
☐ 10'-6"	6x6x3/8	6x6x3/8	6x6x3/8



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PROJECT NAME:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

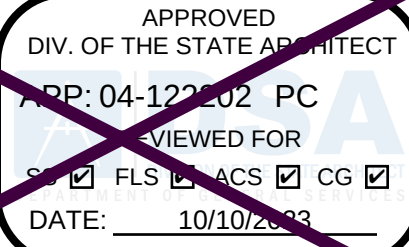
SHEET TITLE:

BUILDING SECTIONS
DUAL SLOPE

REVISIONS

1	
2	
3	
4	
5	

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



PC STATE AGENCY APPROVAL



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:

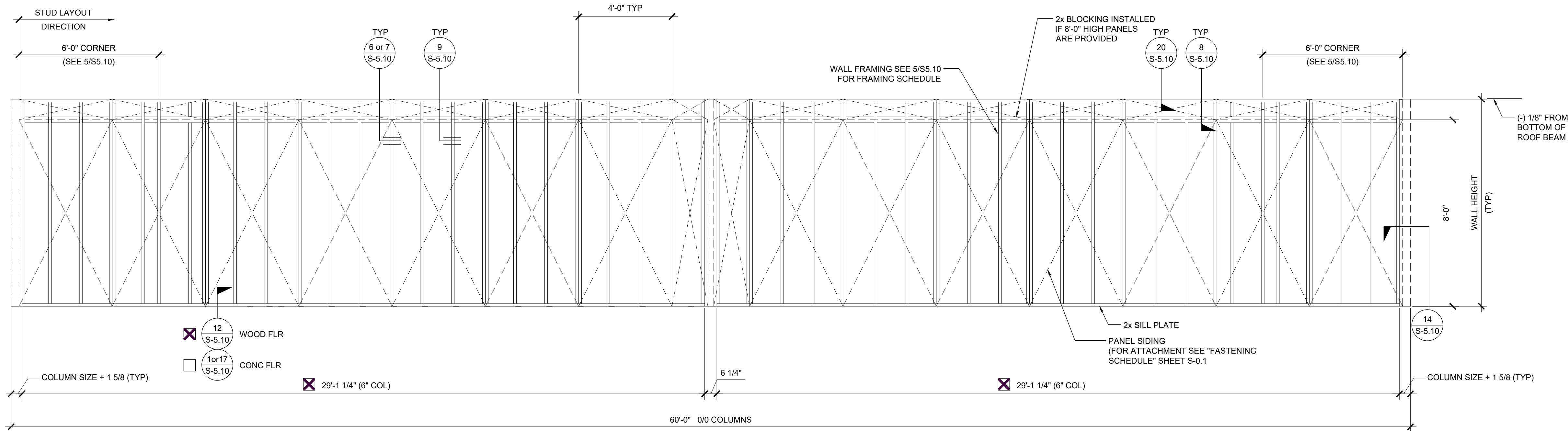
DRAWN BY:

SCALE: AS NOTED

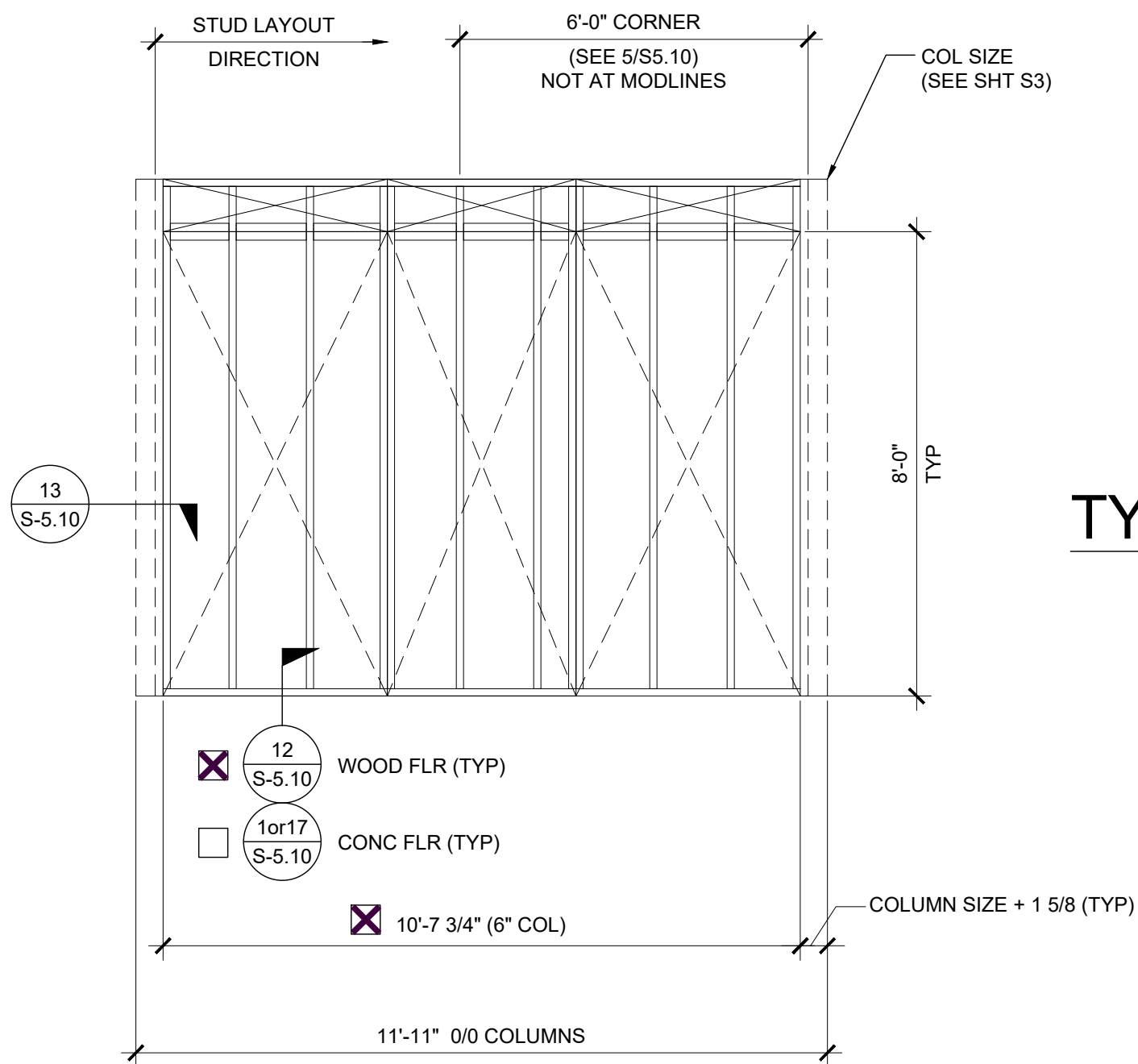
DATE: 09-19-2023

P.C. SHEET NUMBER

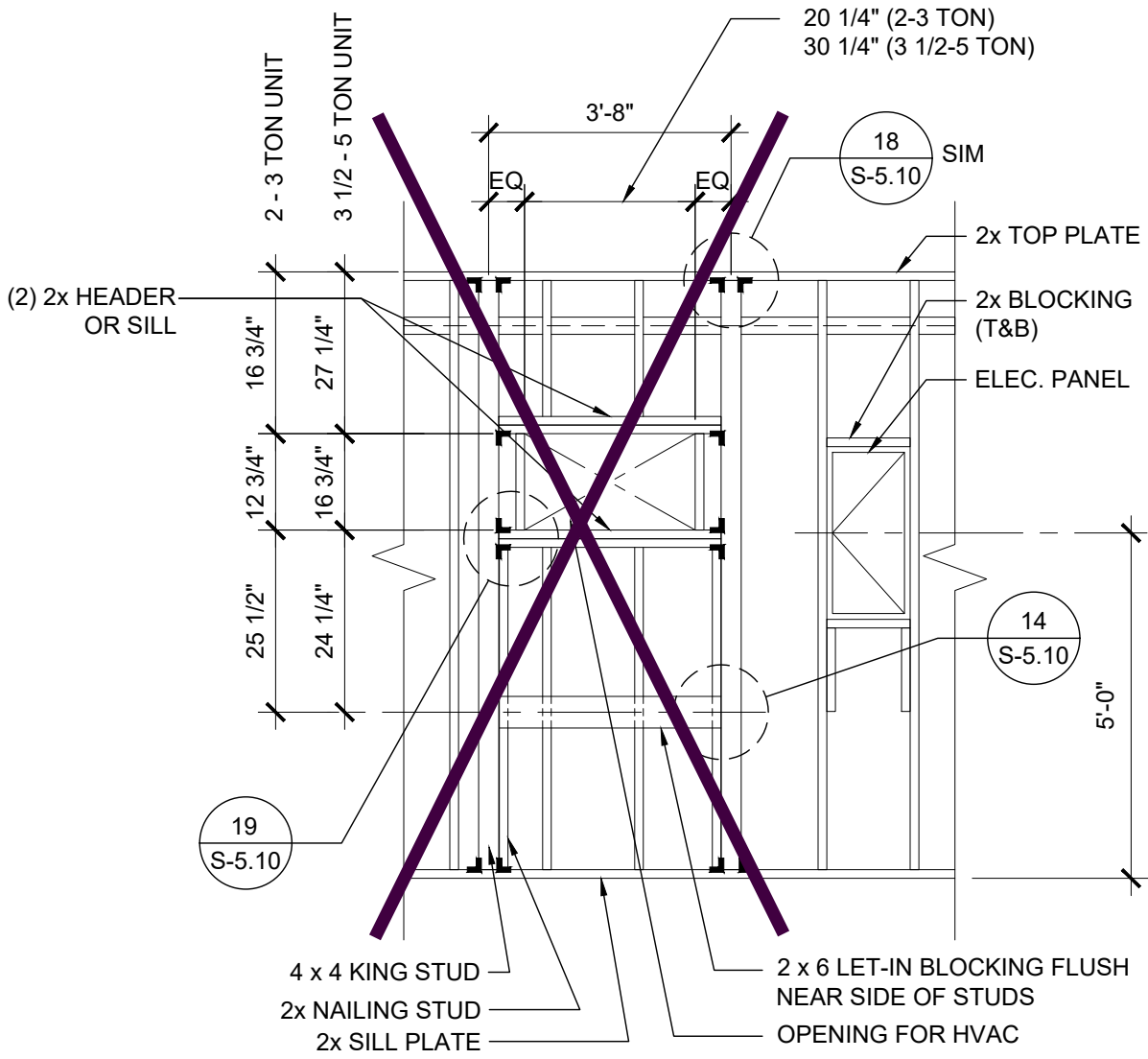
S-3.02



TYPICAL SIDE WALL

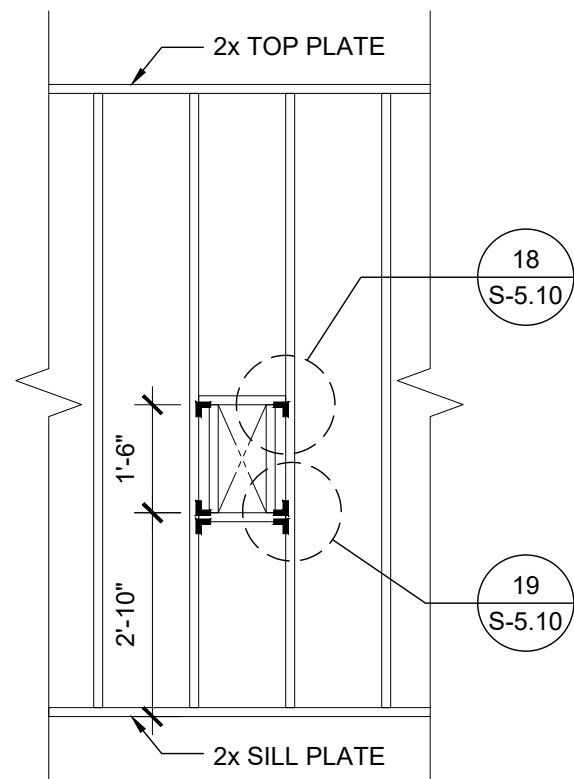


TYPICAL END WALL

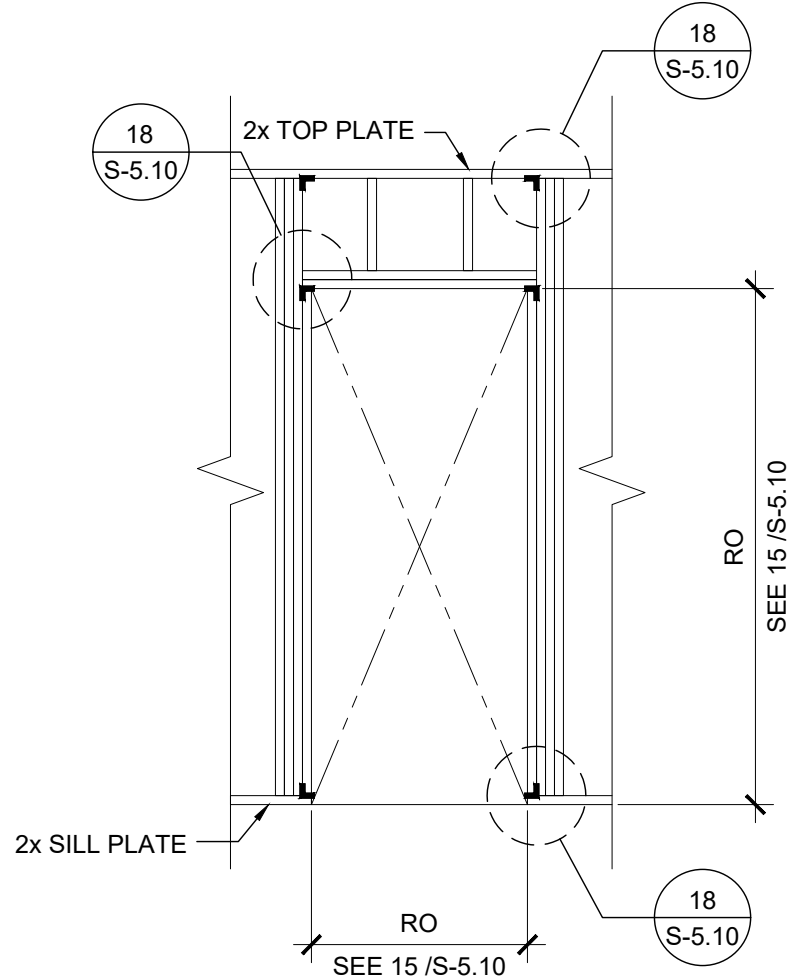
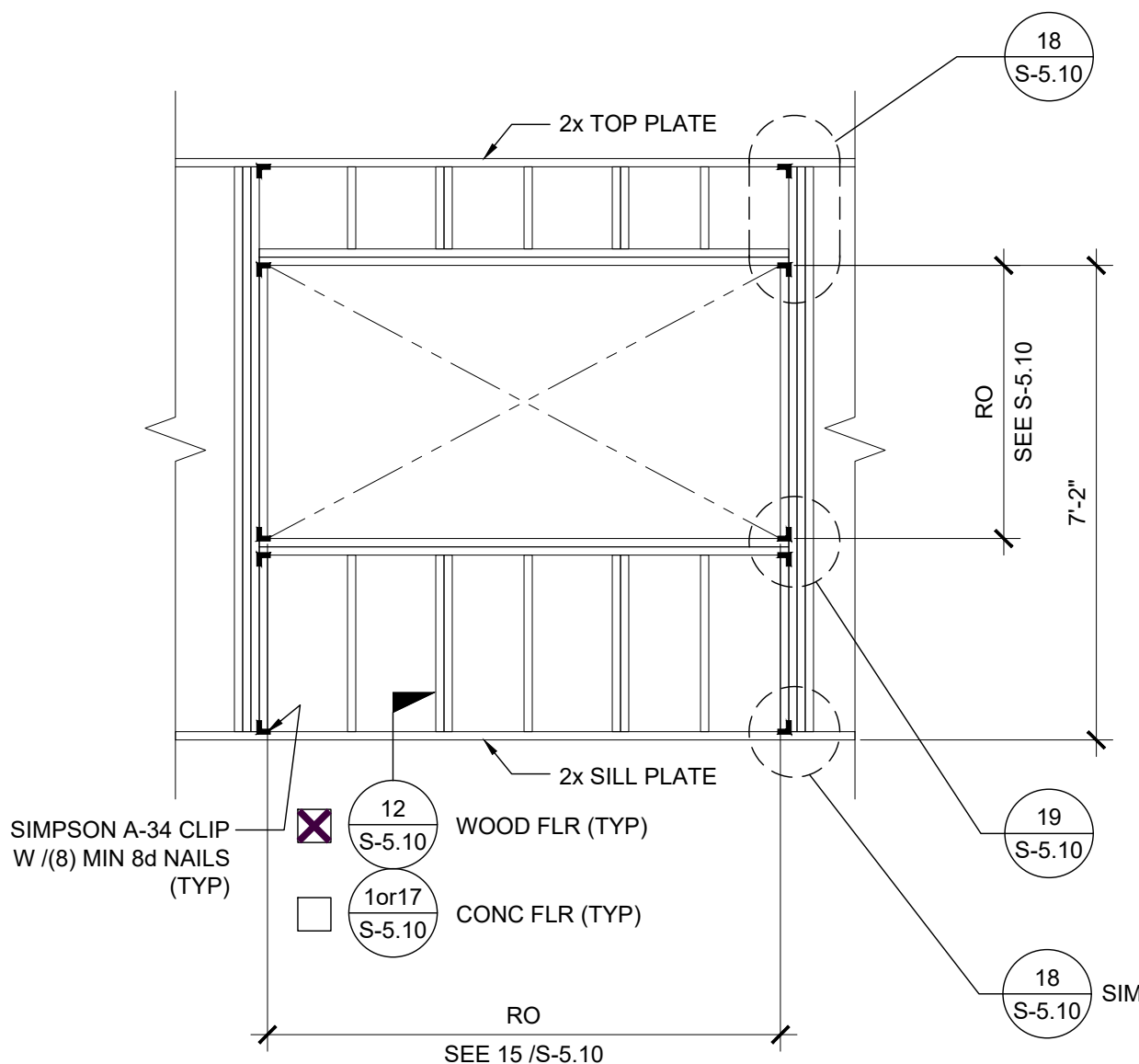


TYPICAL HVAC

FIRE EXTINGUISHER
CABINET BLOCKOUT



TYPICAL DOOR



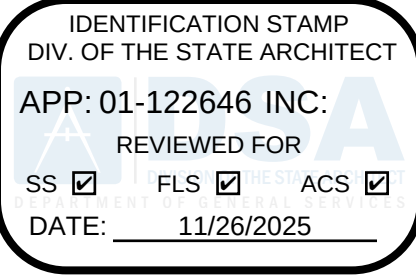
TYPICAL WINDOW

NOTES

WALL HEIGHT SCHEDULE

COLUMN HEIGHT	9'-0"	9'-6"	10'-0"	10'-6"
CONCRETE FLOOR	8'-11 7/8"	9'-5 7/8"	9'-11 7/8"	10'-5 7/8"
WOOD FLOOR	8'-10 3/4"	9'-4 3/4"	9'-10 3/4"	10'-4 3/4"

NOTE:
ALL EXTERIOR WALL FRAMING SHALL BE 2x6 (MIN).
EXCEPTION: UNCONDITIONED RESTROOM MODULES MAY UTILIZE 2x4 FRAMING.



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U.S.D.
SAN FRANCISCO H.S.

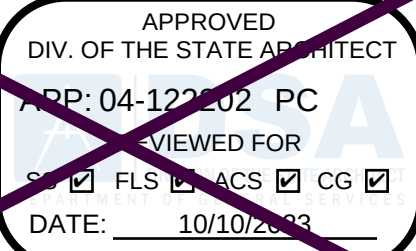
SHEET TITLE:

FRAMING ELEVATIONS
WOOD STUDS

REVISIONS

1	
2	
3	
4	
5	

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



PC STATE AGENCY APPROVAL



Silver Creek

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MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:

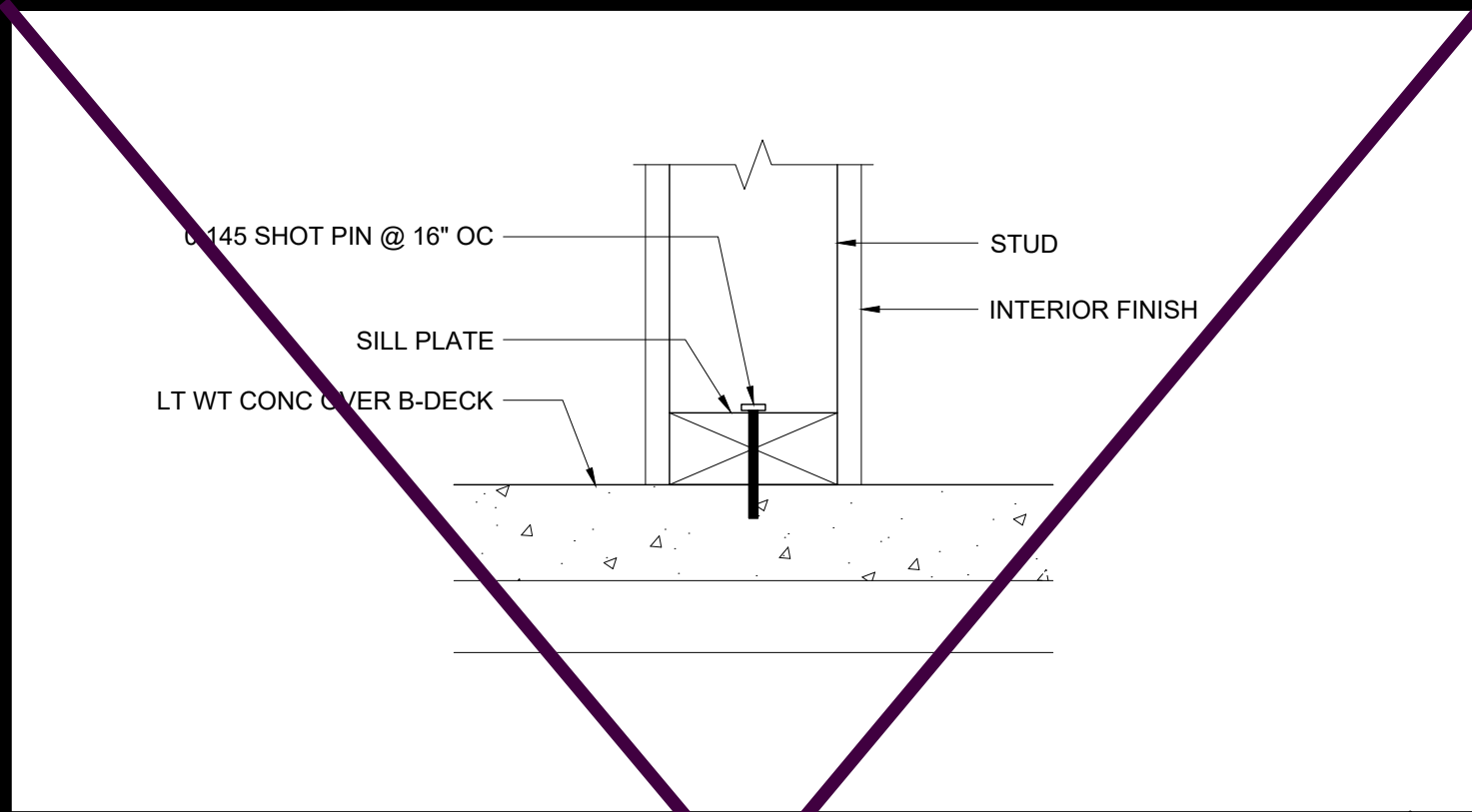
DRAWN BY:

SCALE: AS NOTED

DATE: 09-19-2023

P.C. SHEET NUMBER

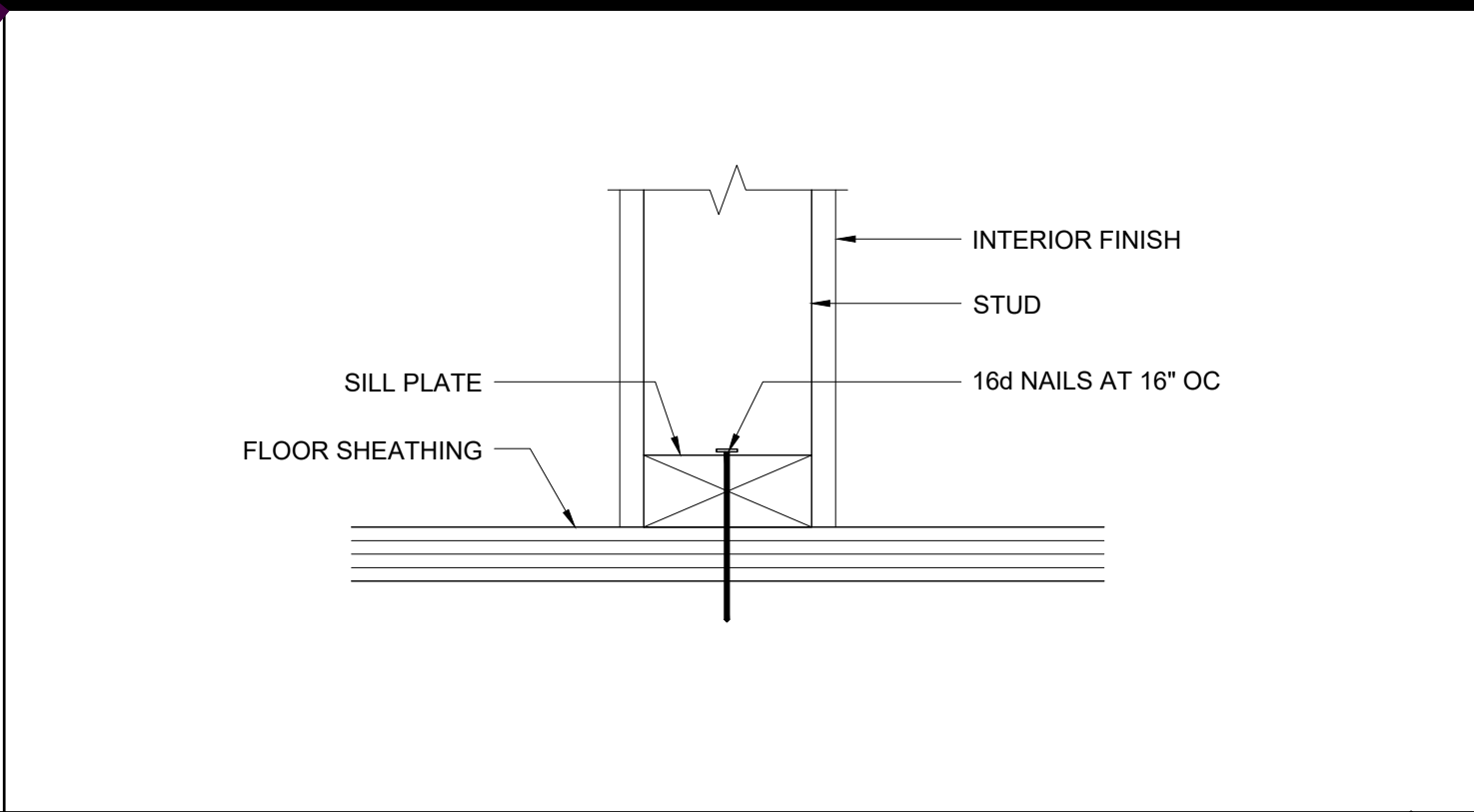
S-5.00



PARTITION CONNECTION AT CONC FLOOR

SCALE : 3"=1'-0"

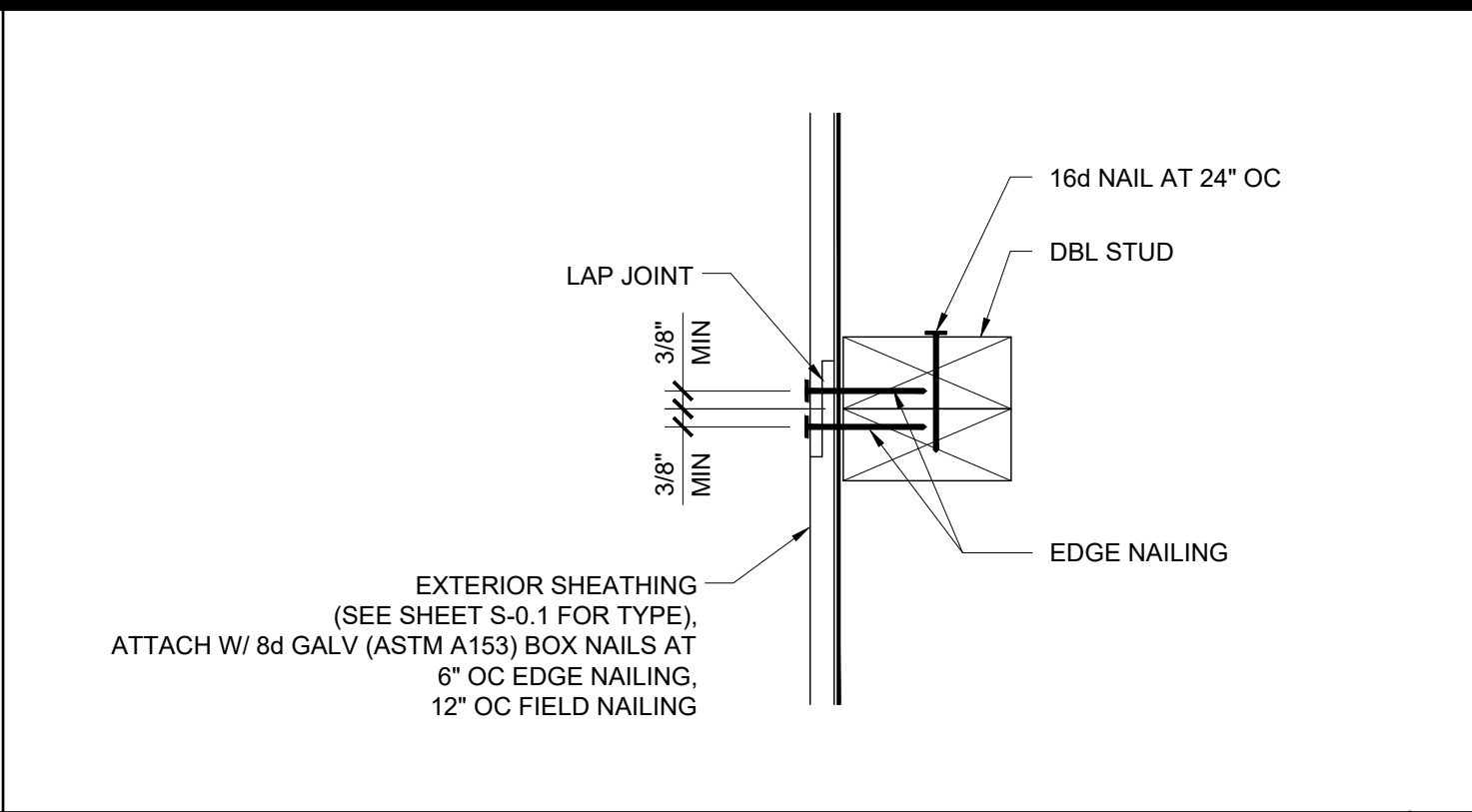
16



PARTITION CONNECTION AT WOOD FLOOR

SCALE : 3"=1'-0"

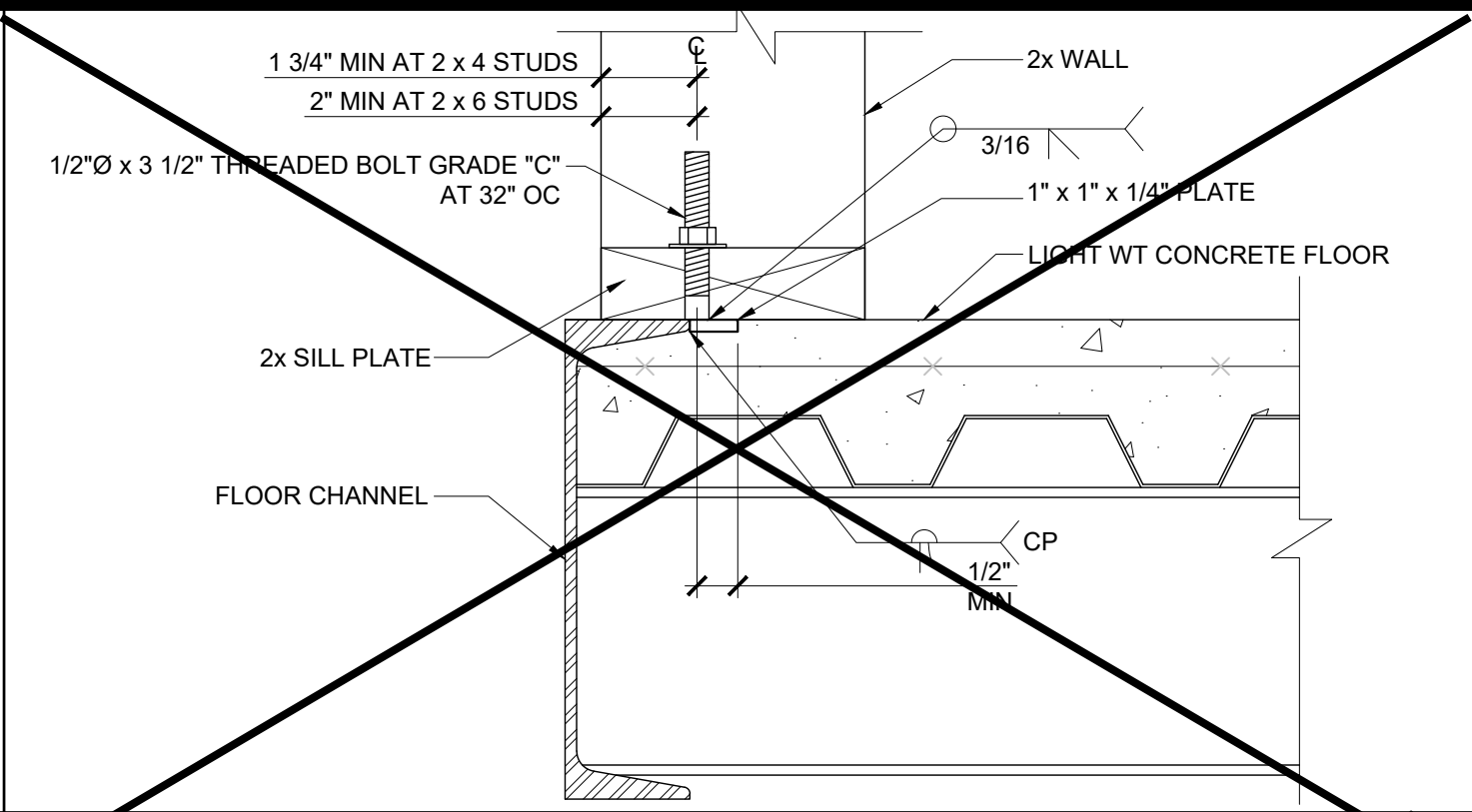
11



VERTICAL SHEATHING LAP JOINT

SCALE : 3"=1'-0"

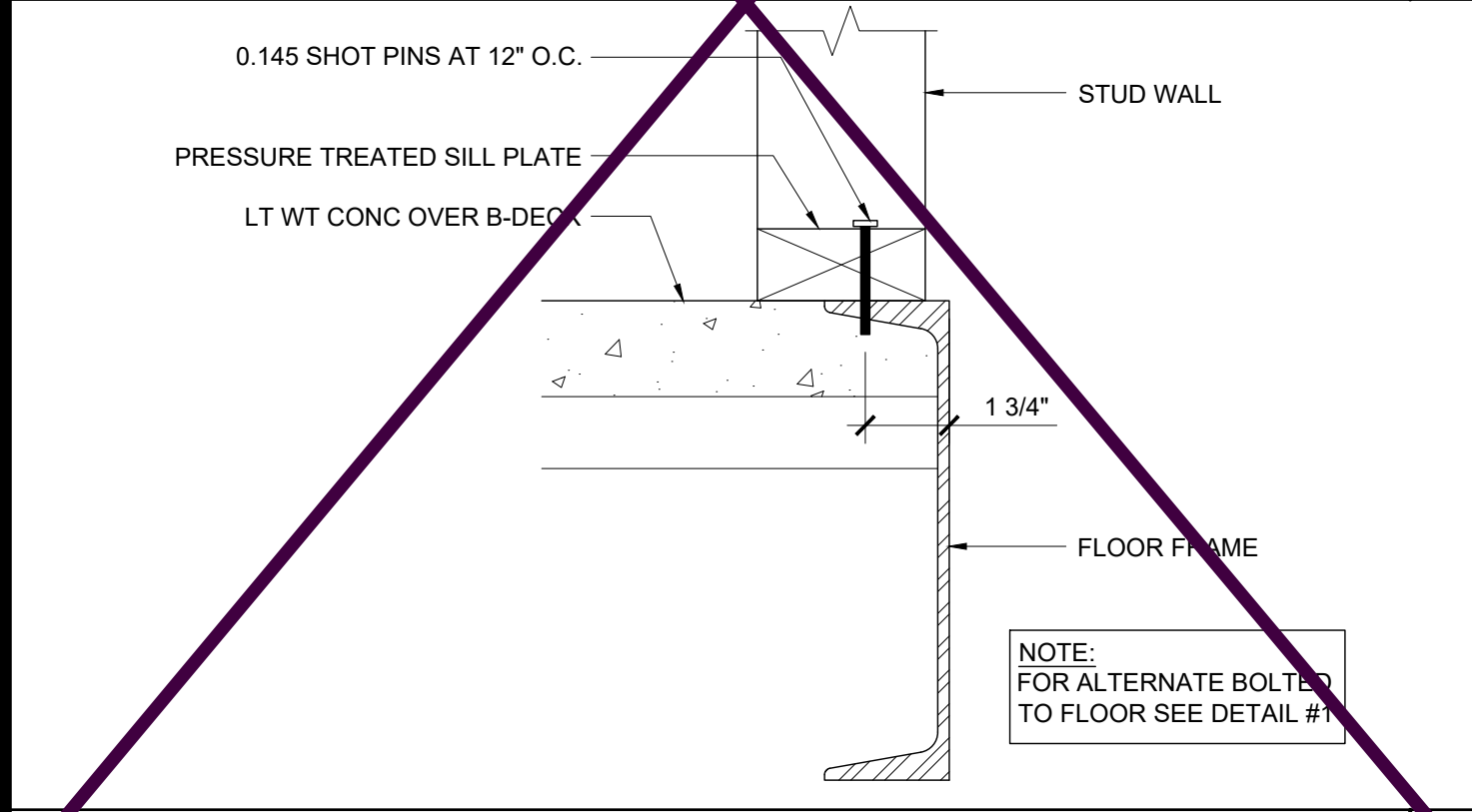
6



OPTIONAL BOLTED WALL TO FLOOR

SCALE : NTS

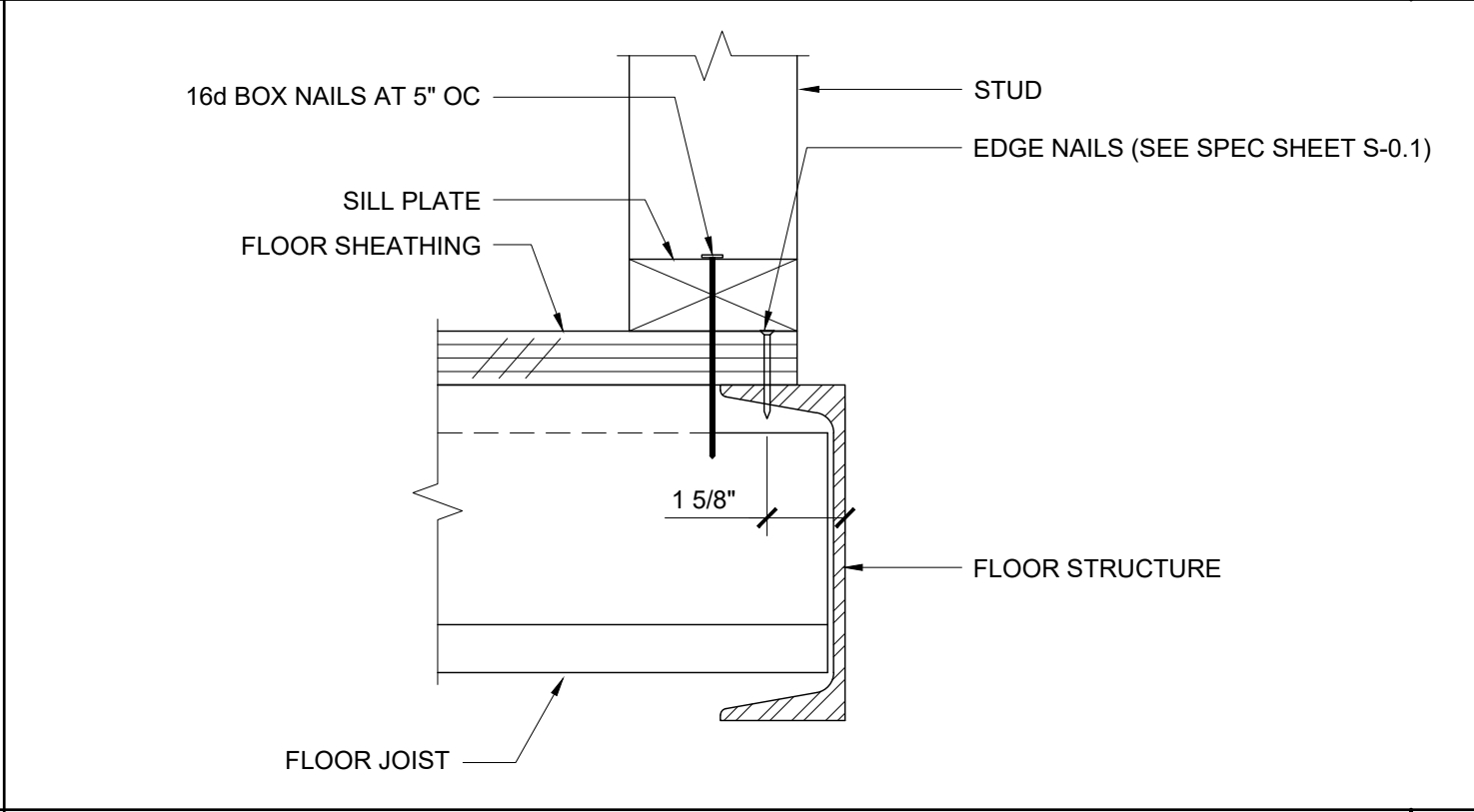
1



WALL SILL AT CONCRETE FLOOR

SCALE : 3"=1'-0"

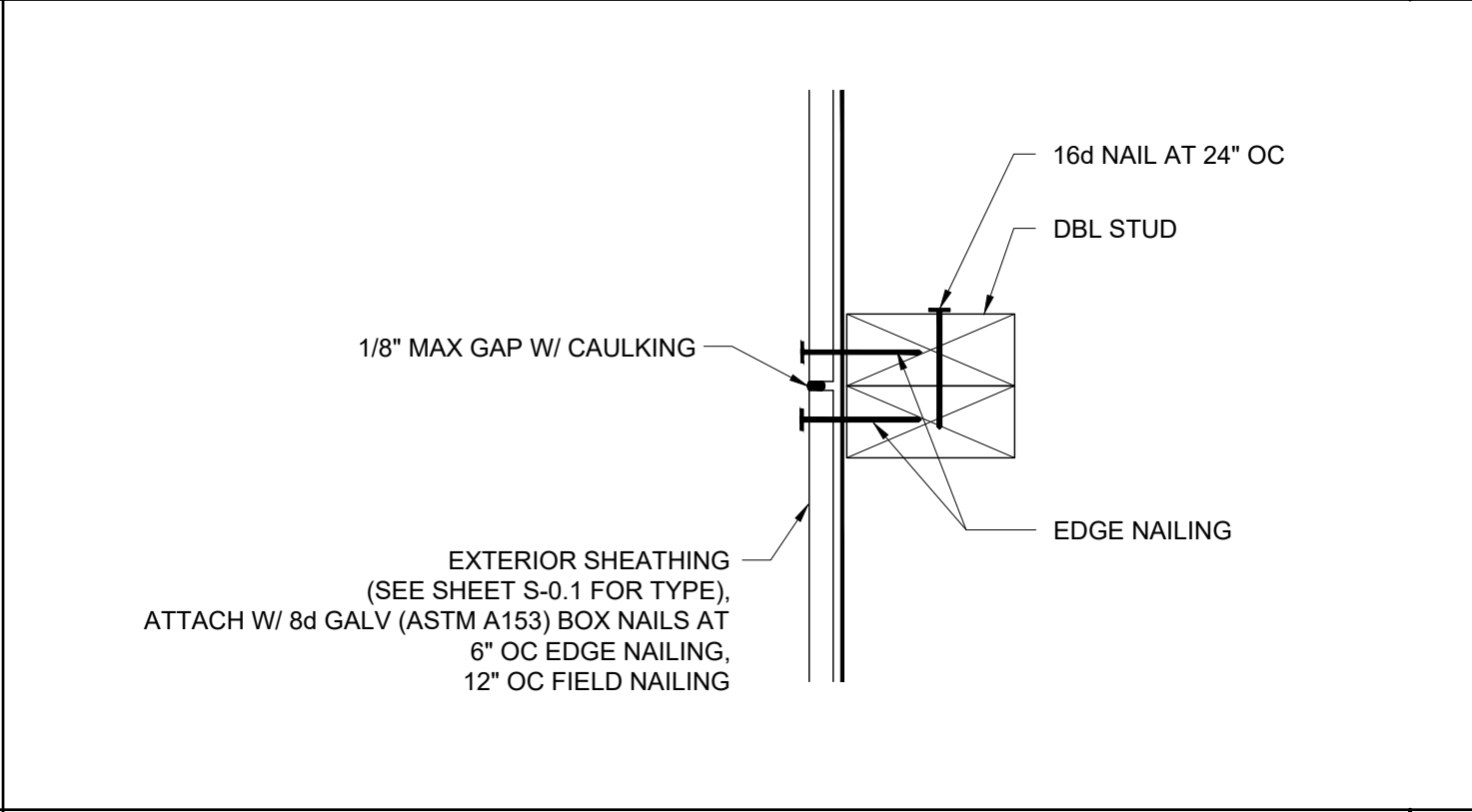
17



WALL SILL AT WOOD FLOOR

SCALE : 3"=1'-0"

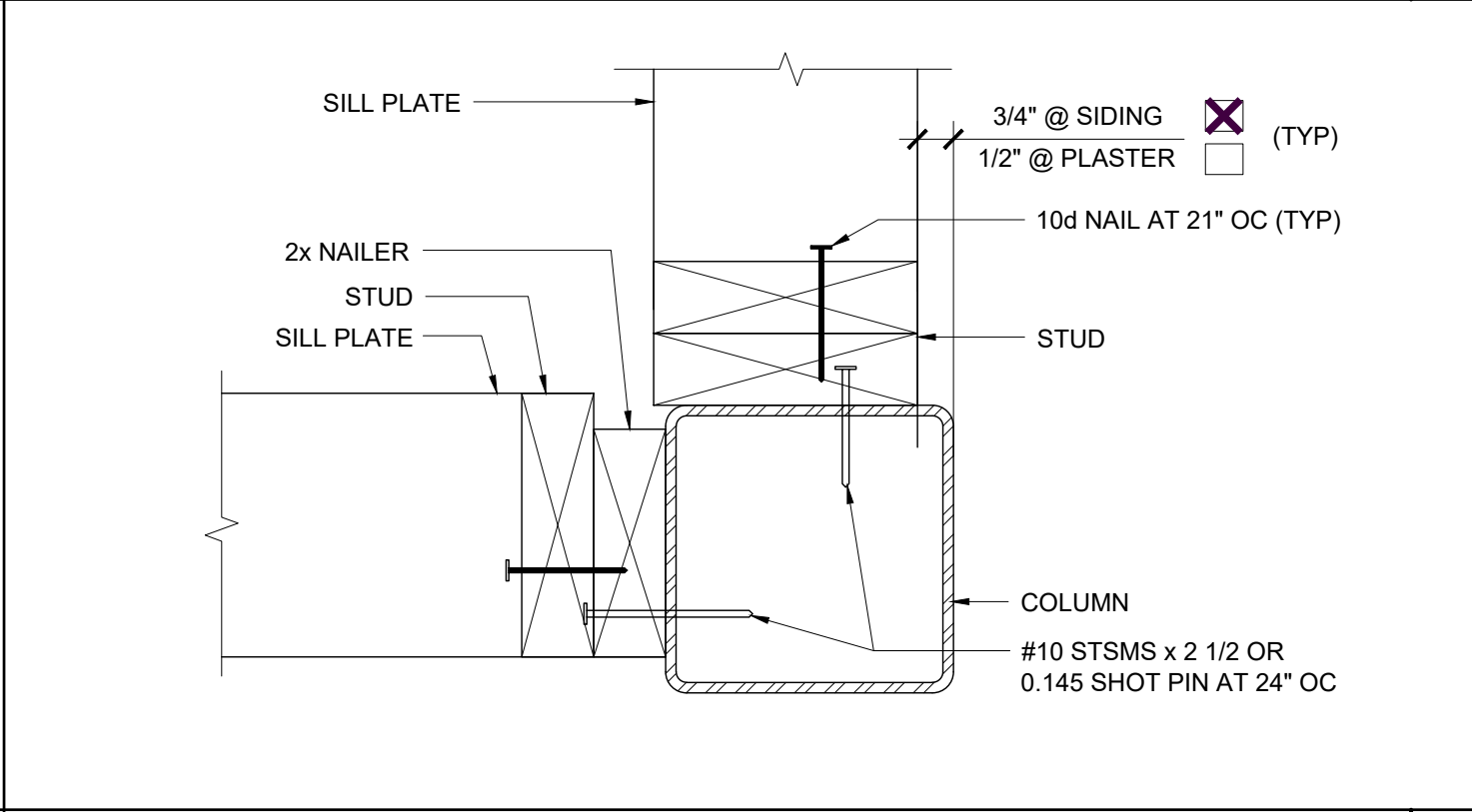
12



VERTICAL SHEATHING BUTT JOINT

SCALE : 3"=1'-0"

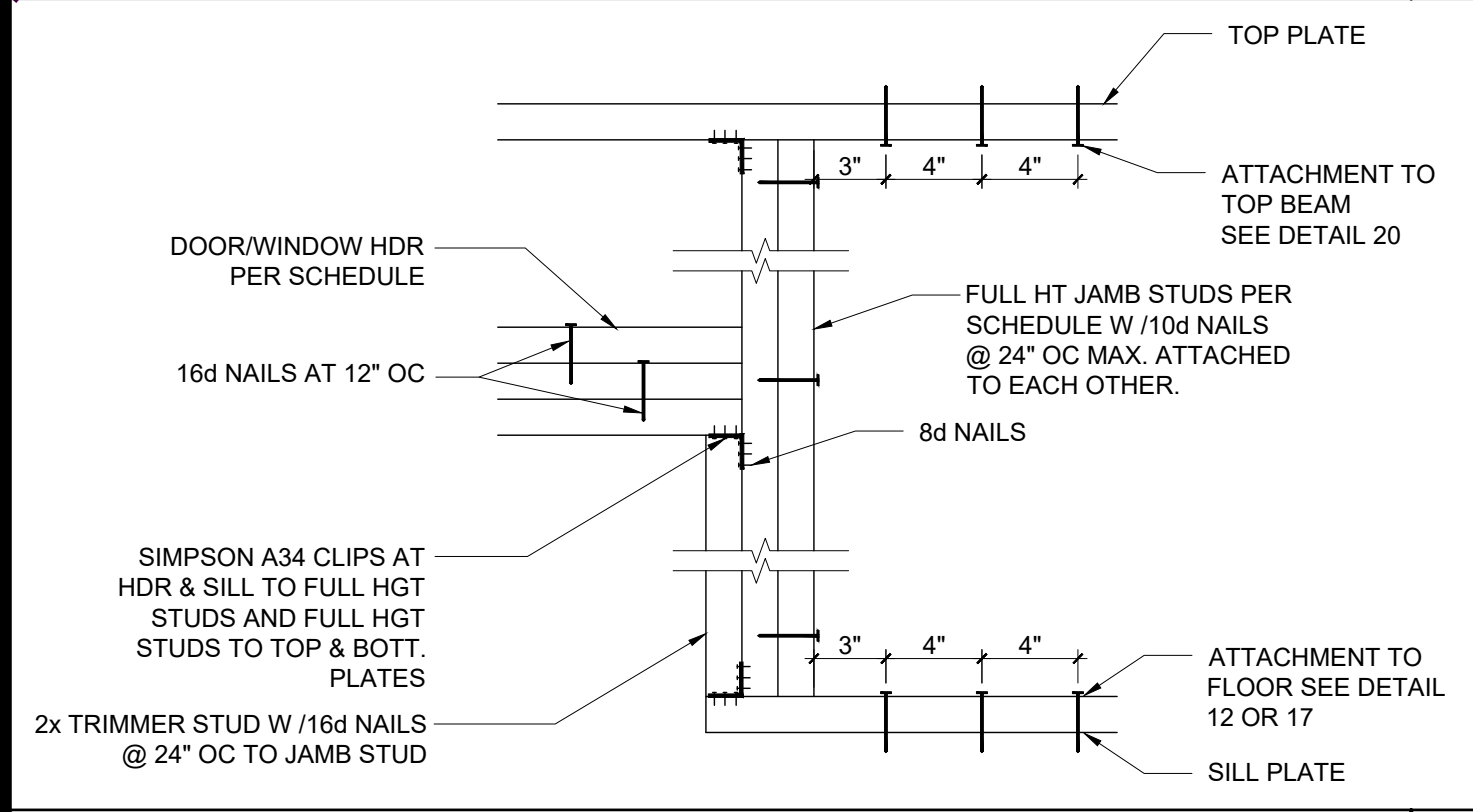
7



COLUMN AT ENDWALL (2x6)

SCALE : 3"=1'-0"

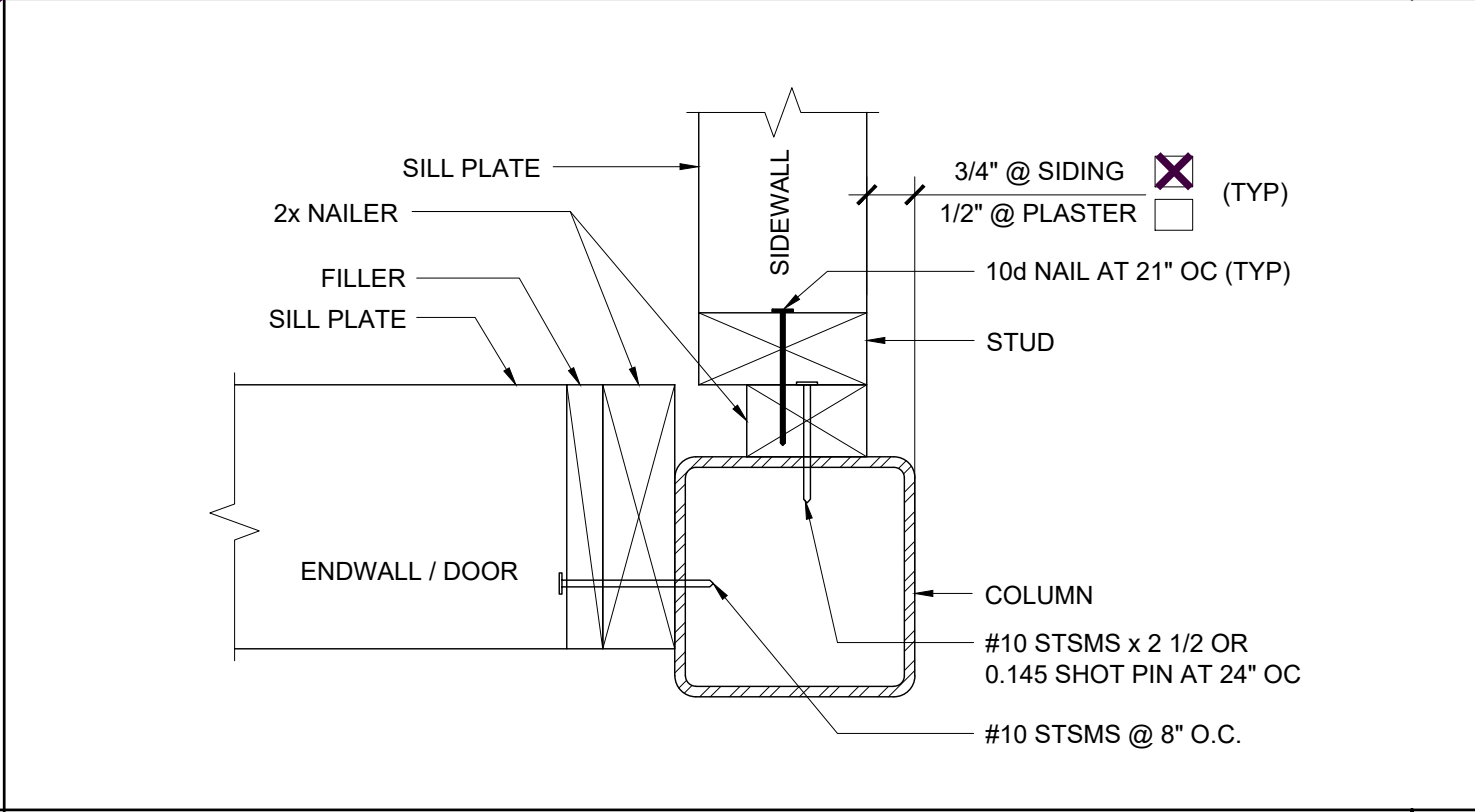
2



DOOR/WINDOW HEADER AND JAMB

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

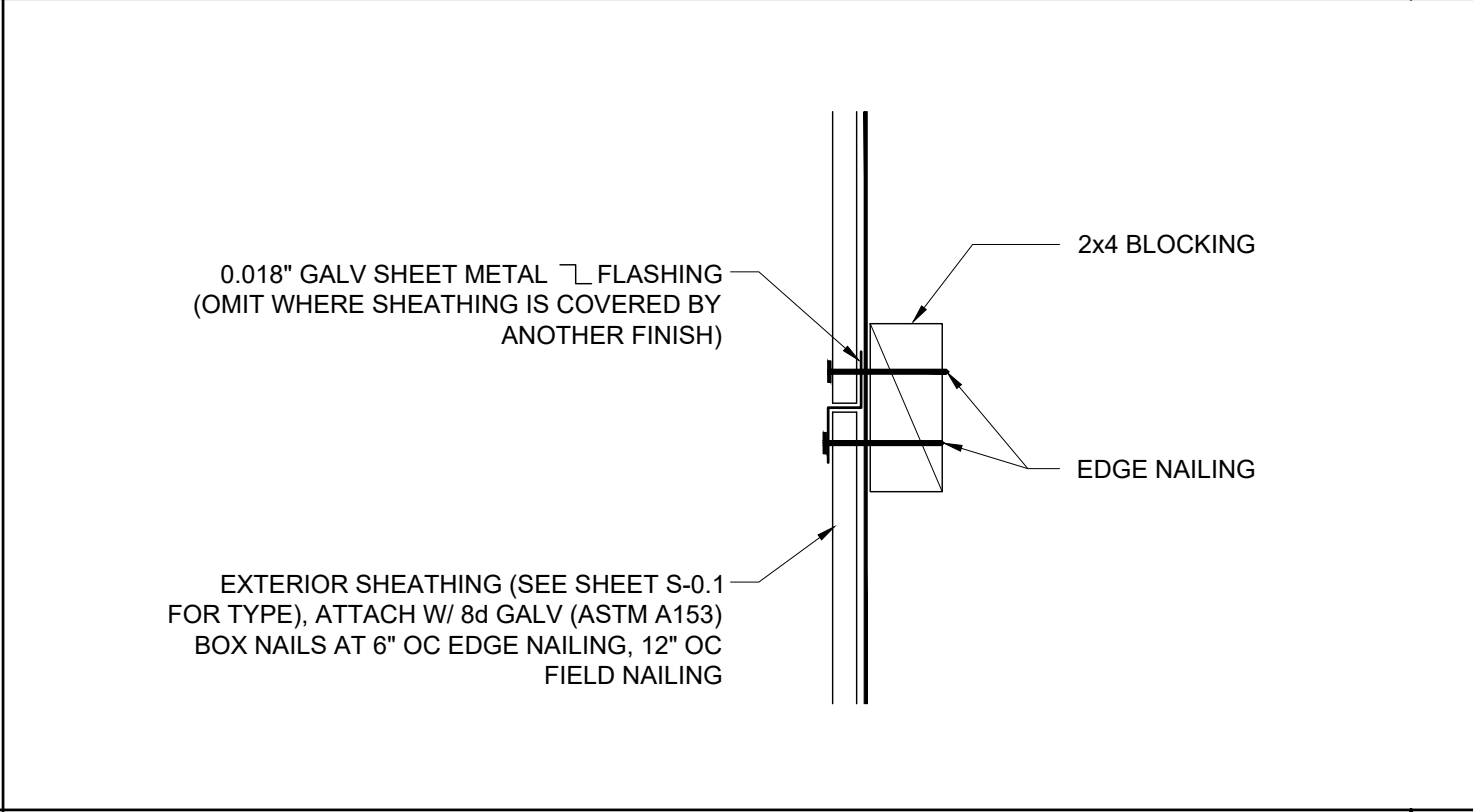
18



COLUMN AT ENDWALL (2x4)

SCALE : 3"=1'-0"

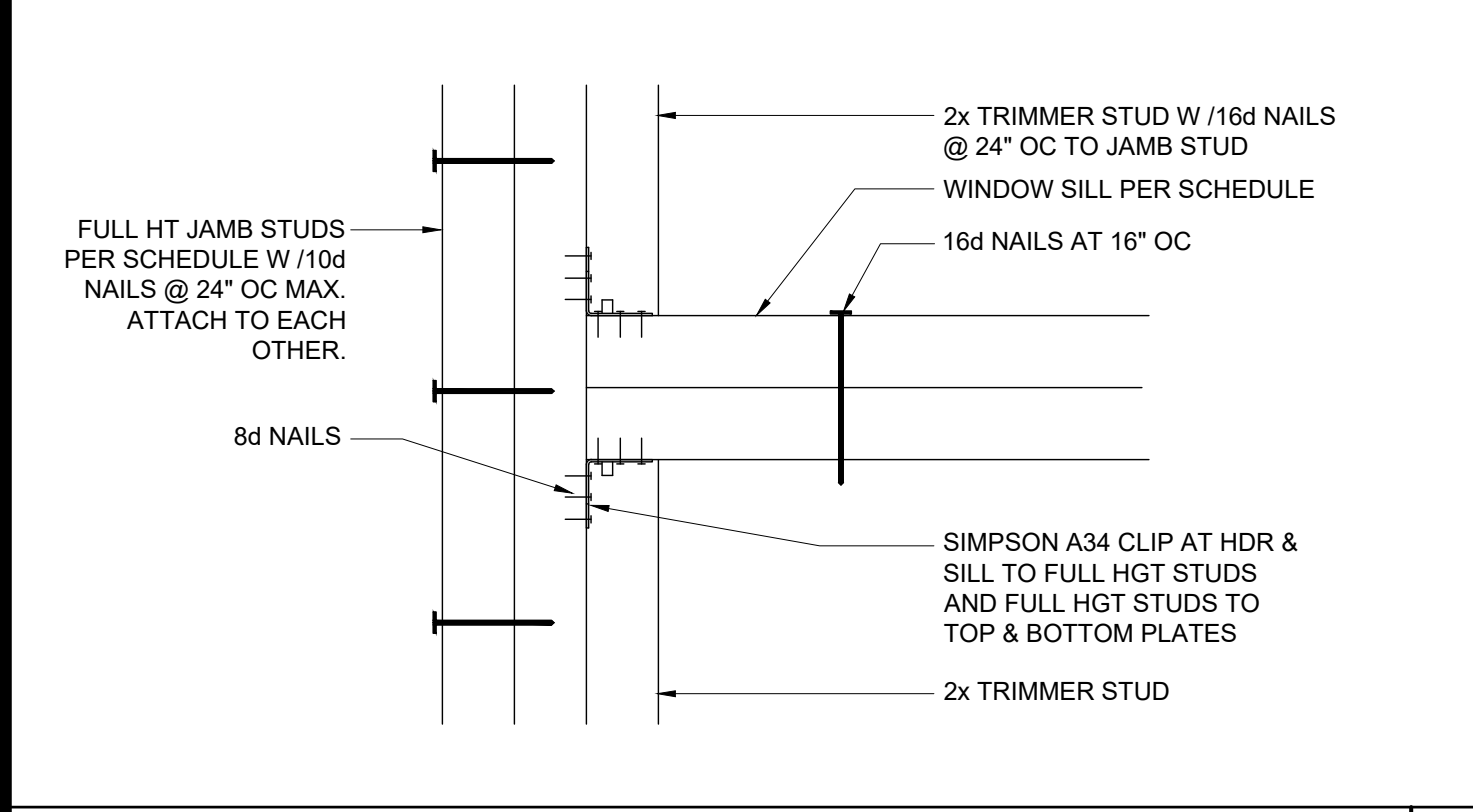
13



HORIZONTAL SHEATHING JOINT

SCALE : 3"=1'-0"

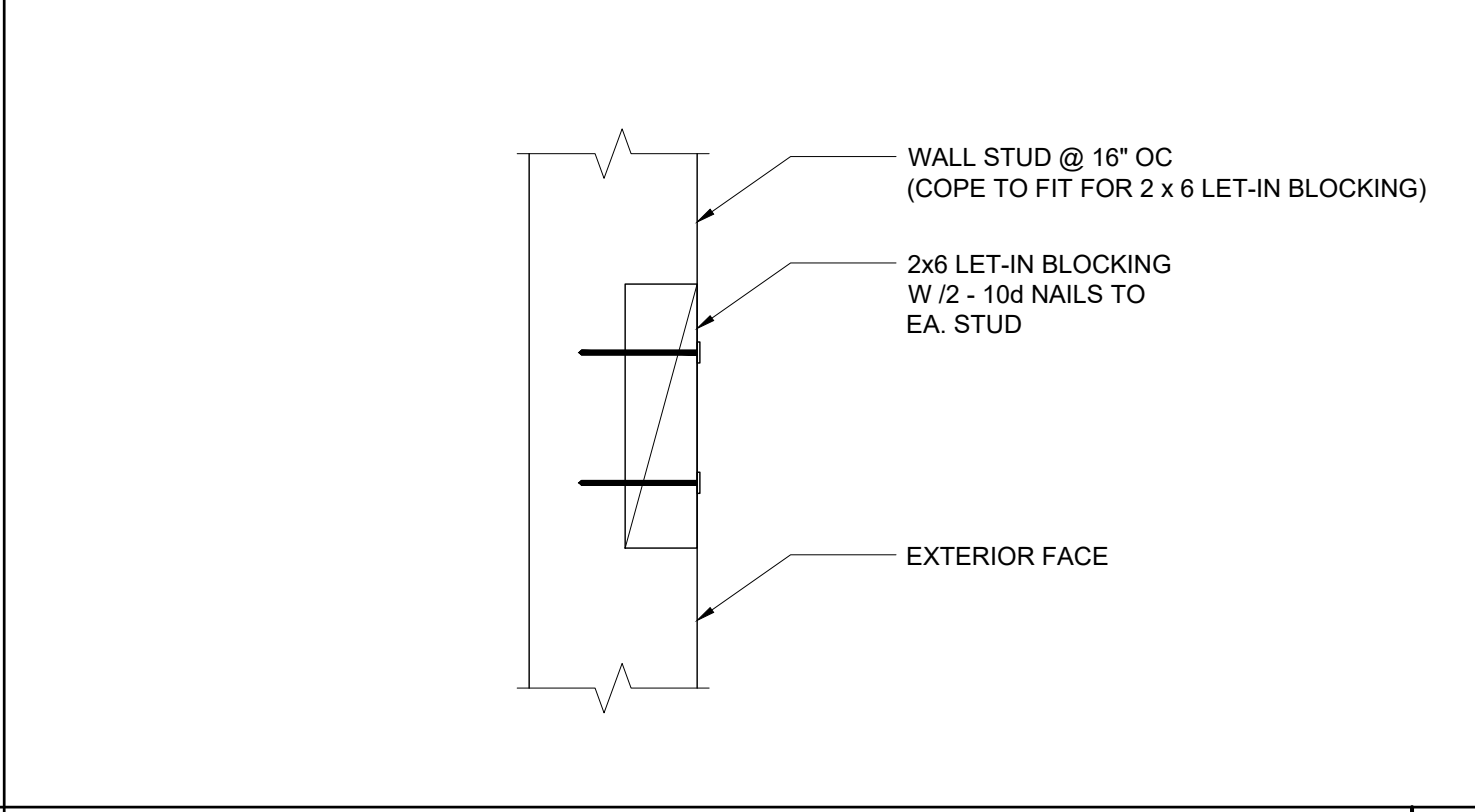
8



WINDOW SILL AND JAMB

SCALE : 3"=1'-0"

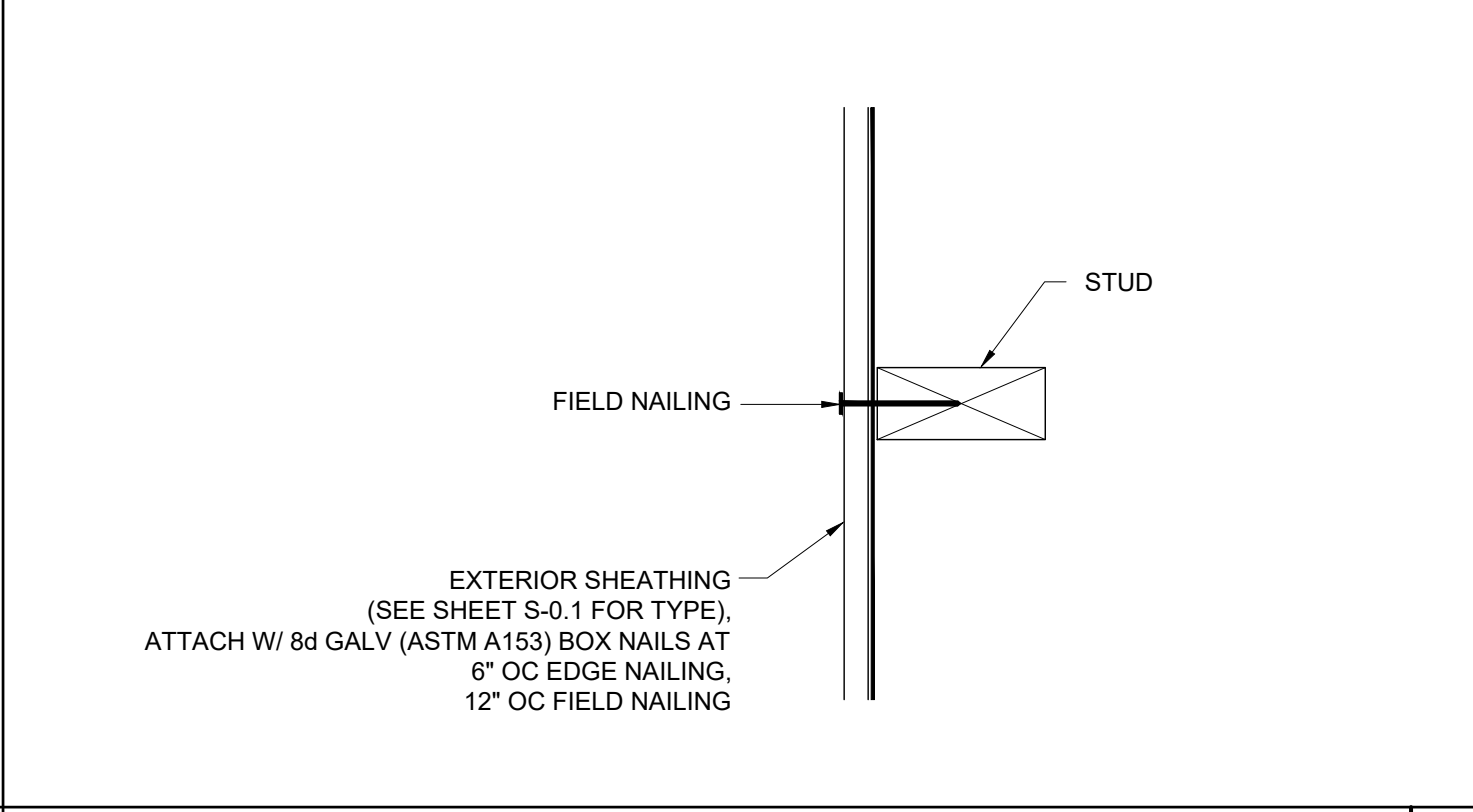
19



LET-IN BLOCK ATTACHMENT

SCALE : 3"=1'-0"

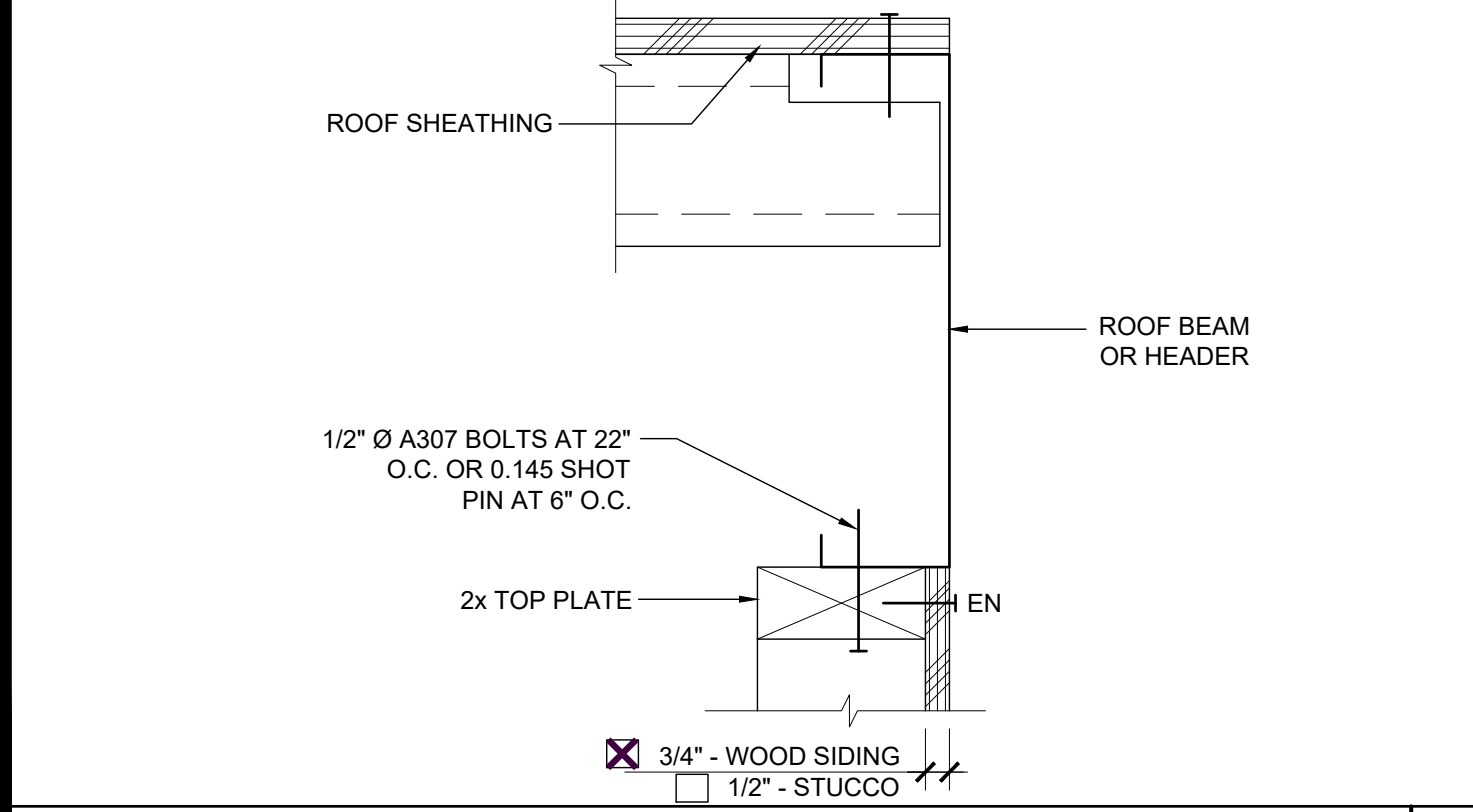
14



SECTION AT SHEATHING TO STUD ATTACHMENT

SCALE : 3"=1'-0"

9



TOP PLATE AT ROOF BEAM

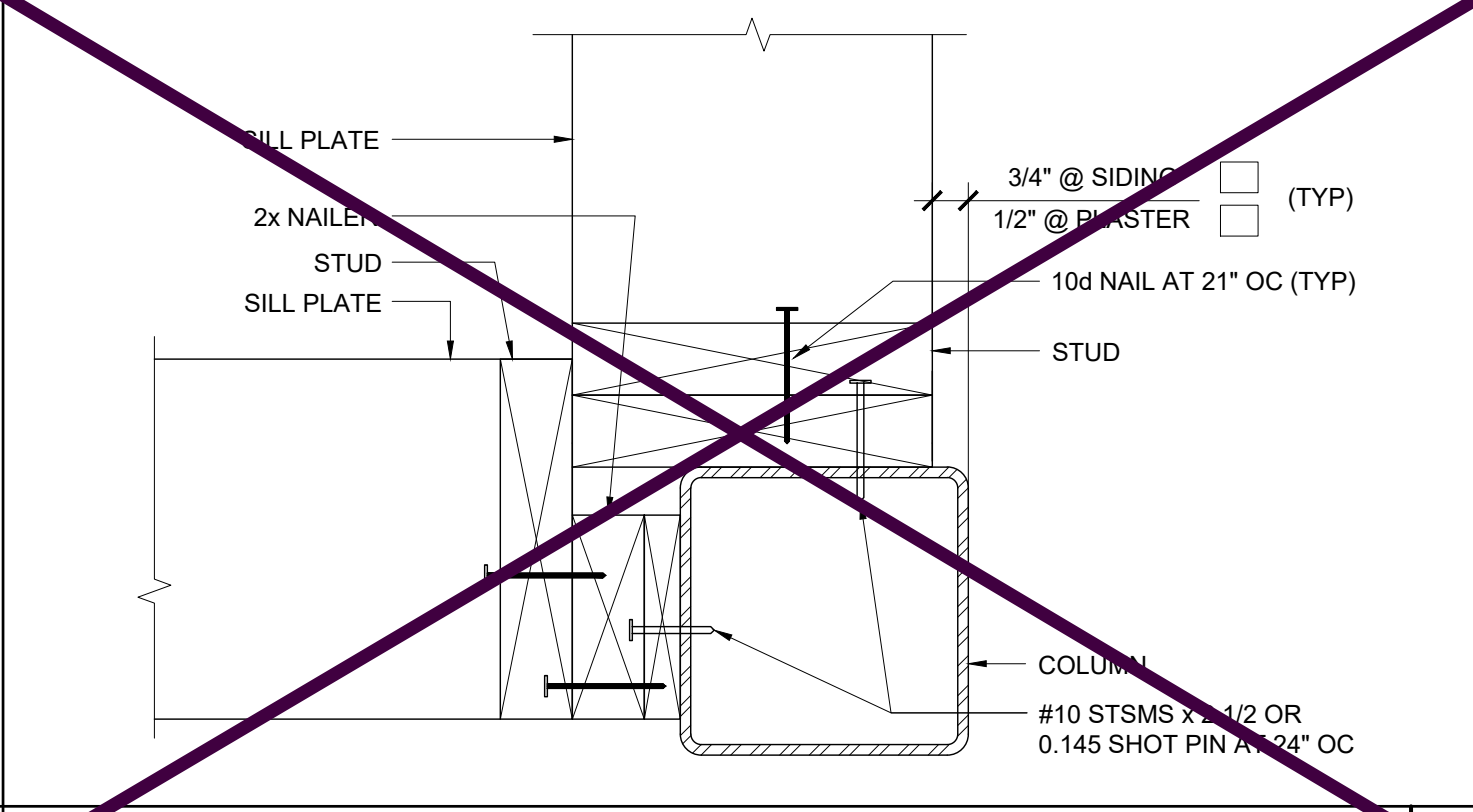
SCALE : 3"=1'-0"

20



NOT USED

15



COLUMN AT ENDWALL (2x8)

SCALE : 3"=1'-0"

10

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING					4' CORNER OF WOOD WALL FRAMING (ZONE 5)					
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC	
LESS THAN 9'-6"	NO PLASTER	(1)	2X4	HF	#2	16" OC	(1)	2X4	HF	#2	16" OC	
	NO PLASTER (OPT)	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	16" OC	
	PLASTER	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	10" OC	
9'-6" TO 10'-6"	NO PLASTER	(1)	2X4	HF	#2	16" OC	(1)	2X4	HF	#2	12" OC	
	NO PLASTER (OPT)	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	16" OC	

NOTES:

- 2X4 WALL FRAMING NOT PERMITTED FOR STUCCO FINISH WALLS OVER 9'-0" TALL
- 2X4 EXTERIOR WALL FRAMING IS ONLY PERMITTED AT UNCONDITIONED RESTROOM MODULES
- 2X4 INTERIOR WALLS SHALL BE HF #2 (OR BETTER) AND SHALL BE SPACED NOT MORE THAN 24" OC MAX

2x4 OPENING STUDS SCHEDULE

4

- NOTES:
- 2X4 WALL FRAMING NOT PERMITTED FOR STUCCO FINISH WALLS OVER 9'-0" TALL
 - 2X4 EXTERIOR WALL FRAMING IS ONLY PERMITTED AT UNCONDITIONED RESTROOM MODULES
 - 2X4 INTERIOR WALLS SHALL BE HF #2 (OR BETTER) AND SHALL BE SPACED NOT MORE THAN 24" OC MAX

2x4 WALL FRAMING SCHEDULE

5

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

WALL FRAMING
DETAILS
WOOD STUDS

REVISIONS

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122602 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023

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 60' PC

PROJECT NO:

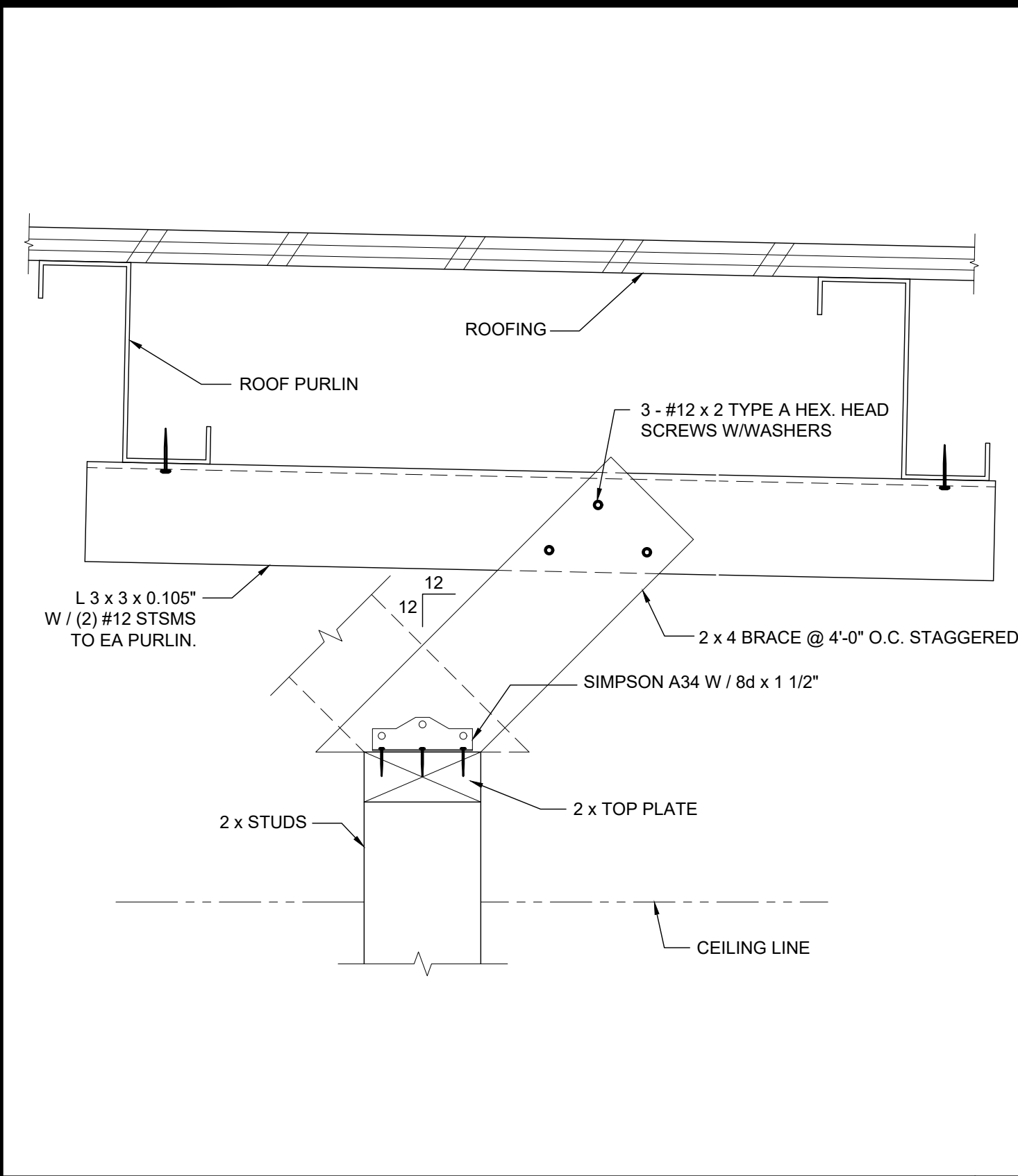
DRAWN BY:

SCALE: AS NOTED

DATE: 09-19-2023

P.C. SHEET NUMBER

S-5.10



INTERIOR PARTITION

SCALE : 3" = 1'-0"

14

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

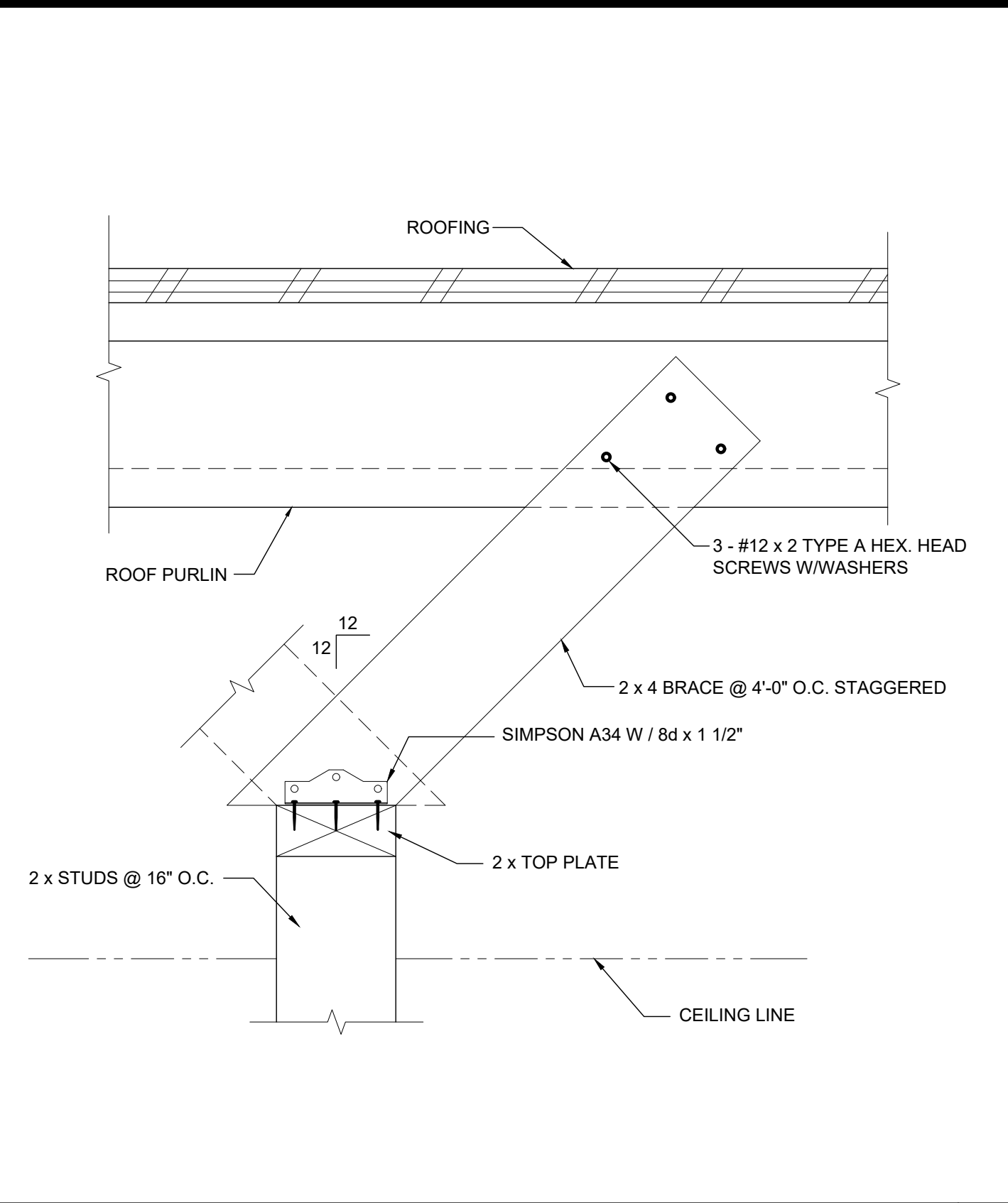
COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING					4' CORNER OF WOOD WALL FRAMING (ZONE 5)				
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC
UP TO 10'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
	W/ PLASTER	(1)	2X6	HF	#2	16" 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

2x6 WALL FRAMING SCHEDULE



INTERIOR PARTITION

SCALE : 3" = 1'-0"

12

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
UP TO 10'-6"	3070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	4070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	6040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	8040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2

2x8 OPENING STUDS SCHEDULE

14

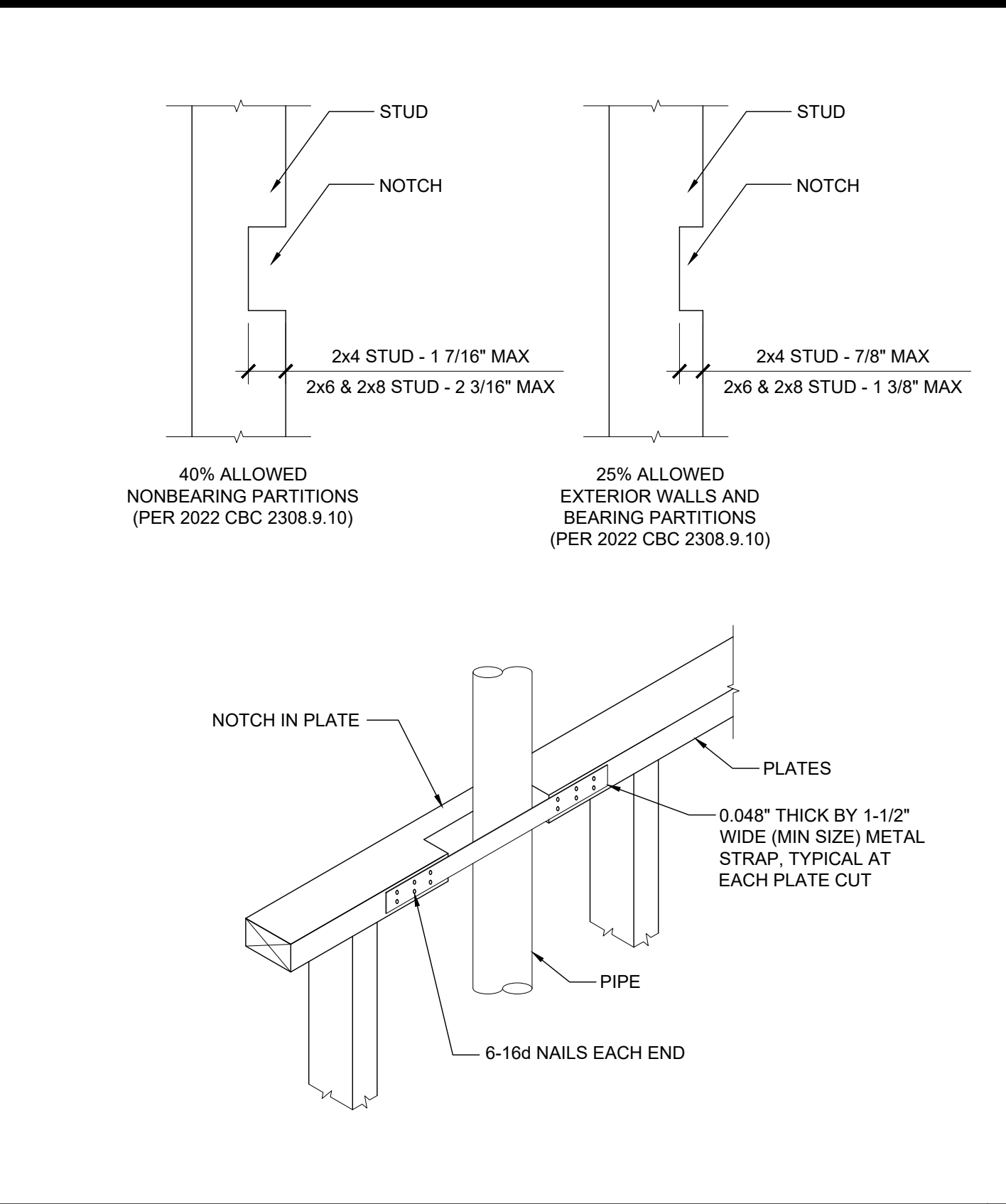
COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING					4' CORNER OF WOOD WALL FRAMING (ZONE 5)				
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC
UP TO 10'-6"	NO PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC

NOTES:
1. EXTERIOR STUD SPACING SHOWN IN THE TABLE ABOVE IS TYPICAL, HOWEVER, 2x8 STUDS (HF #2 OR BETTER) MAY BE SPACED AT NOT MORE THAN 24" OC.
2. INTERIOR WALLS MAY BE 2x6 HF #2 (OR BETTER) SPACED AT NOT MORE THAN 24" OC.

2x8 WALL FRAMING SCHEDULE

15

2x8 WALL FRAMING SCHEDULE



CUTTING AND NOTCHING

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

7

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

BORED HOLES

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

8

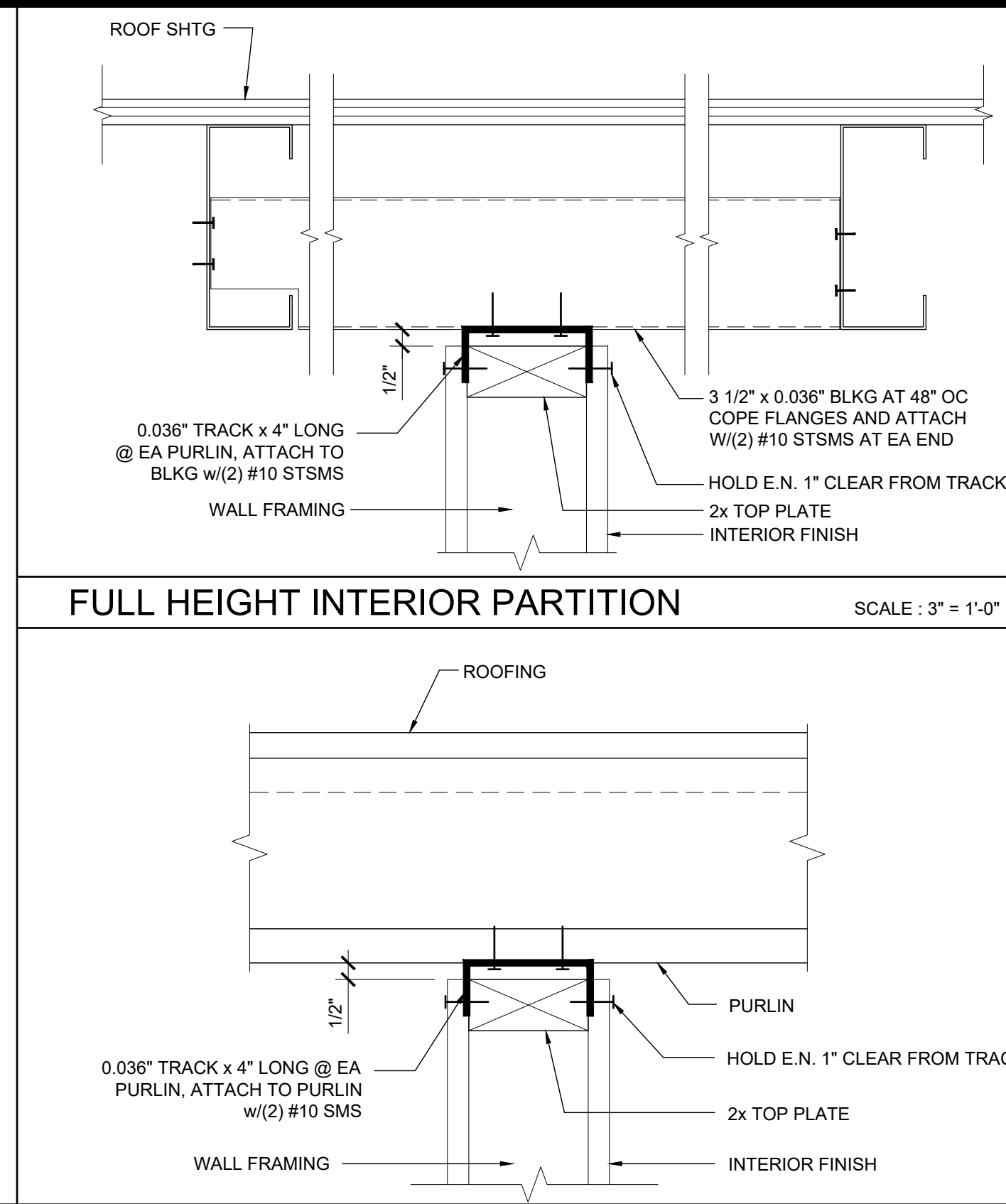
NOT USED

9

NOT USED

10

NOT USED



FULL HEIGHT INTERIOR PARTITION

SCALE : 3" = 1'-0"

1

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

INTERIOR PARTITION WALL TO ROOF BEAM

SCALE : 3"=1'-0"

2

INTERIOR PARTITION WALL TO ROOF TRUSS

SCALE : 3"=1'-0"

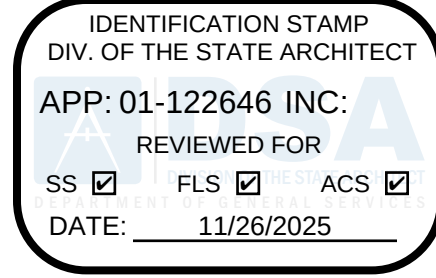
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COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING					4' CORNER OF WOOD WALL FRAMING (ZONE 5)				
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC
UP TO 10'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" 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

NOT USED

5

NOT USED



PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

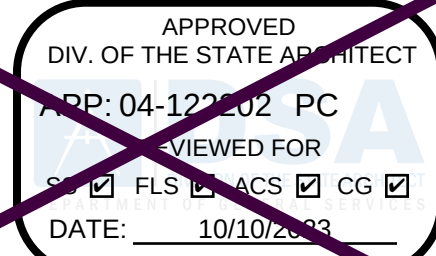
SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

WALL FRAMING
DETAILS
WOOD STUDS

REVISIONS

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



PC STATE AGENCY APPROVAL



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES

24' x 60' PC

PROJECT NO:

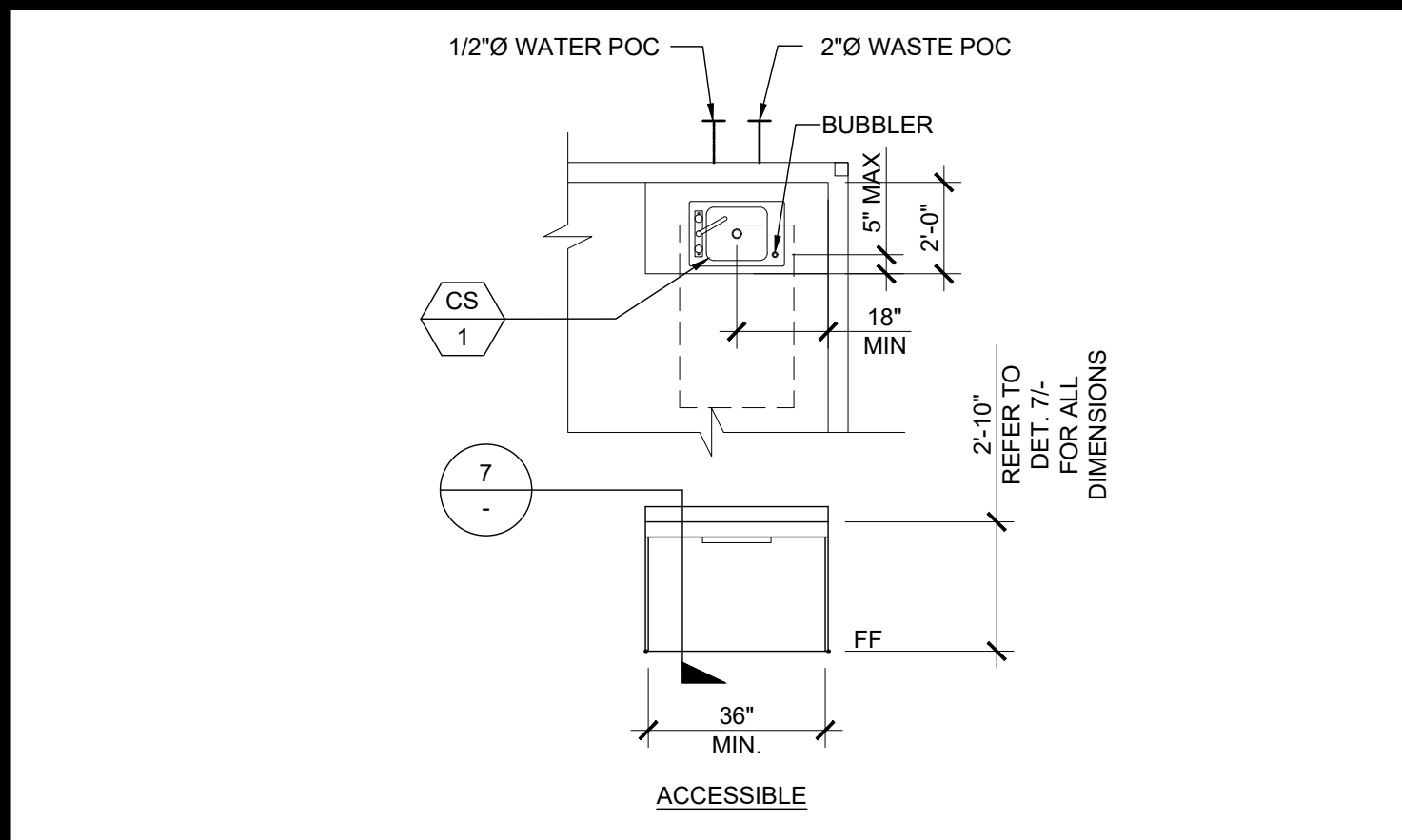
DRAWN BY:

SCALE: AS NOTED

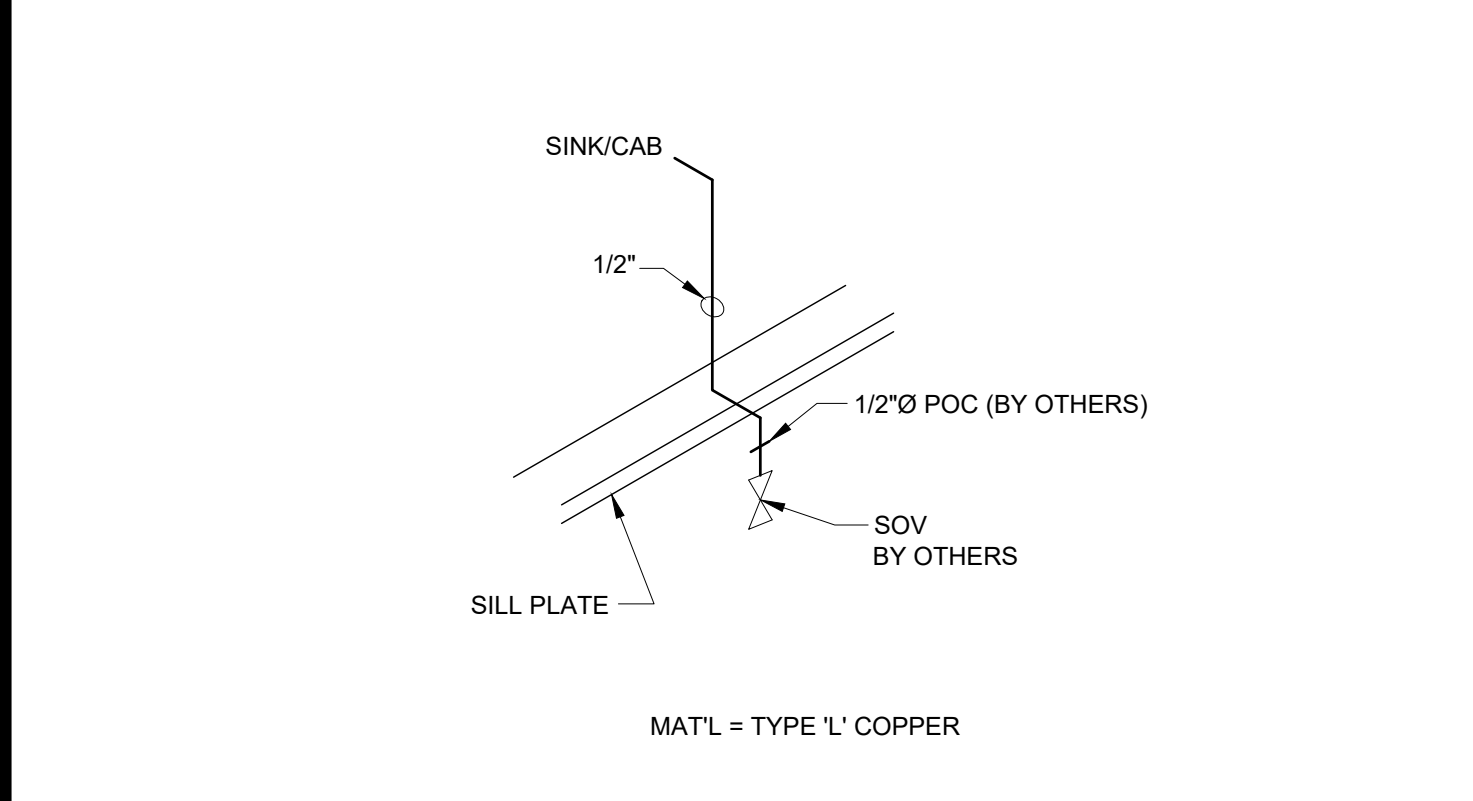
DATE: 09-19-2023

P.C. SHEET NUMBER

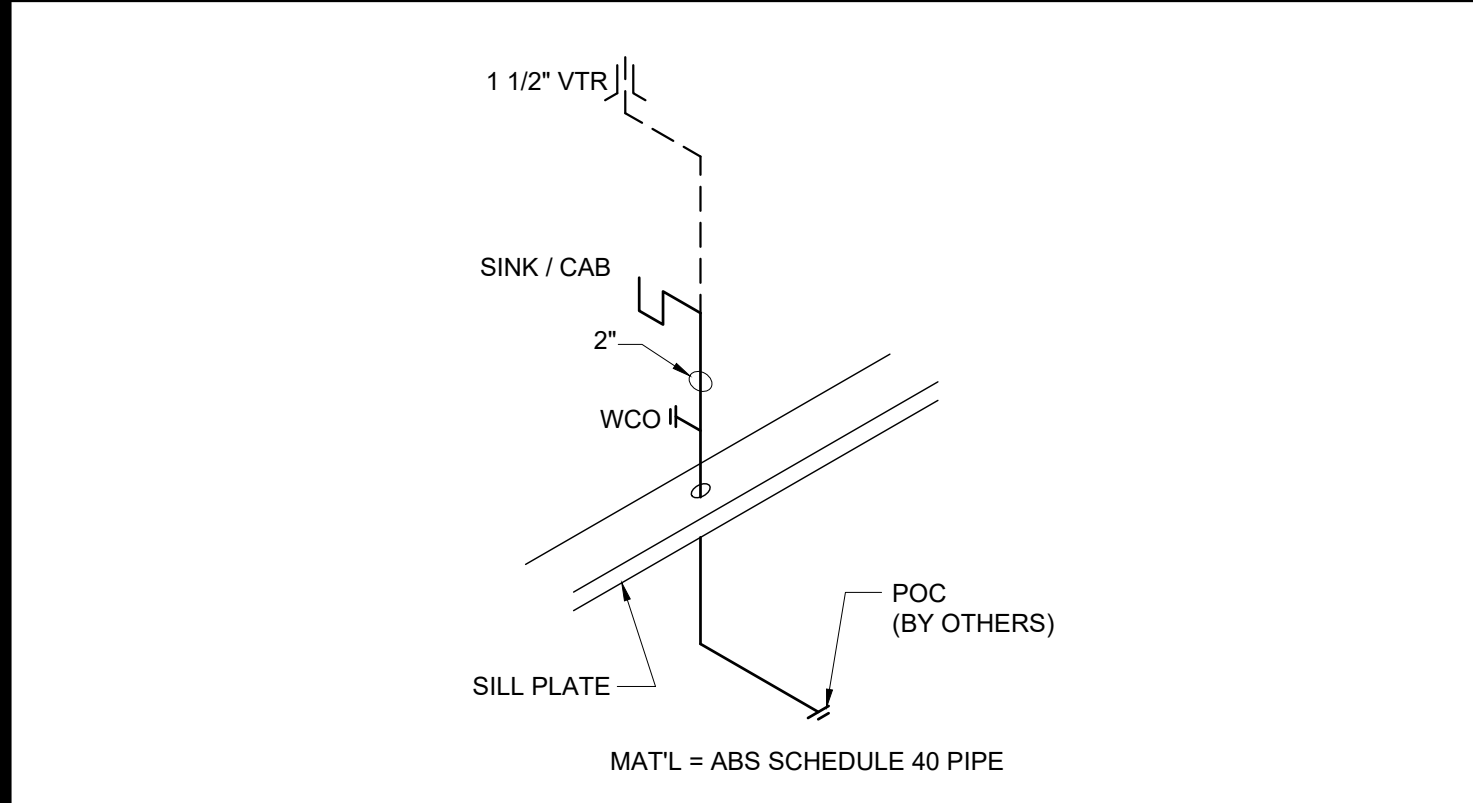
S-5.11



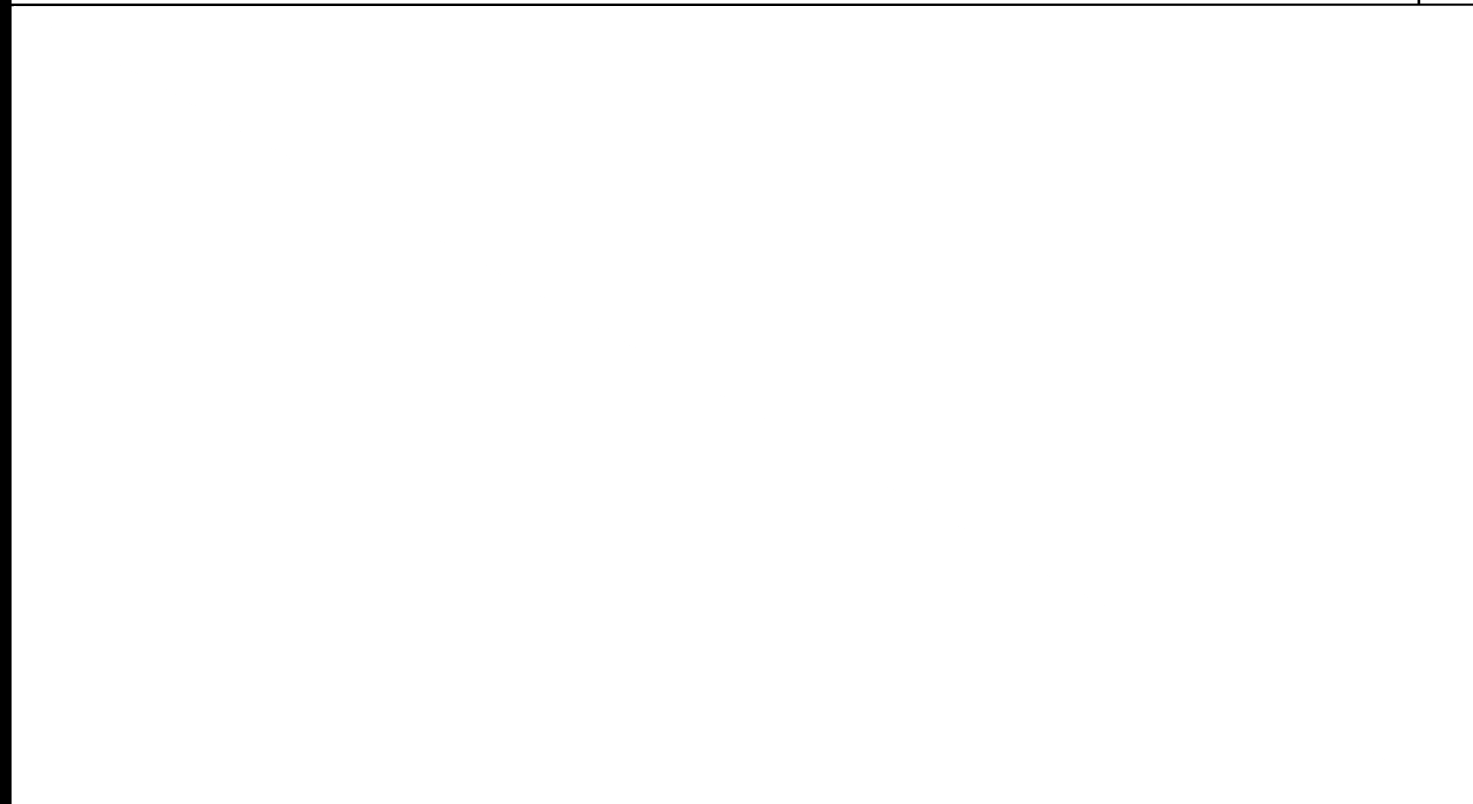
TYPICAL SINK CABINET



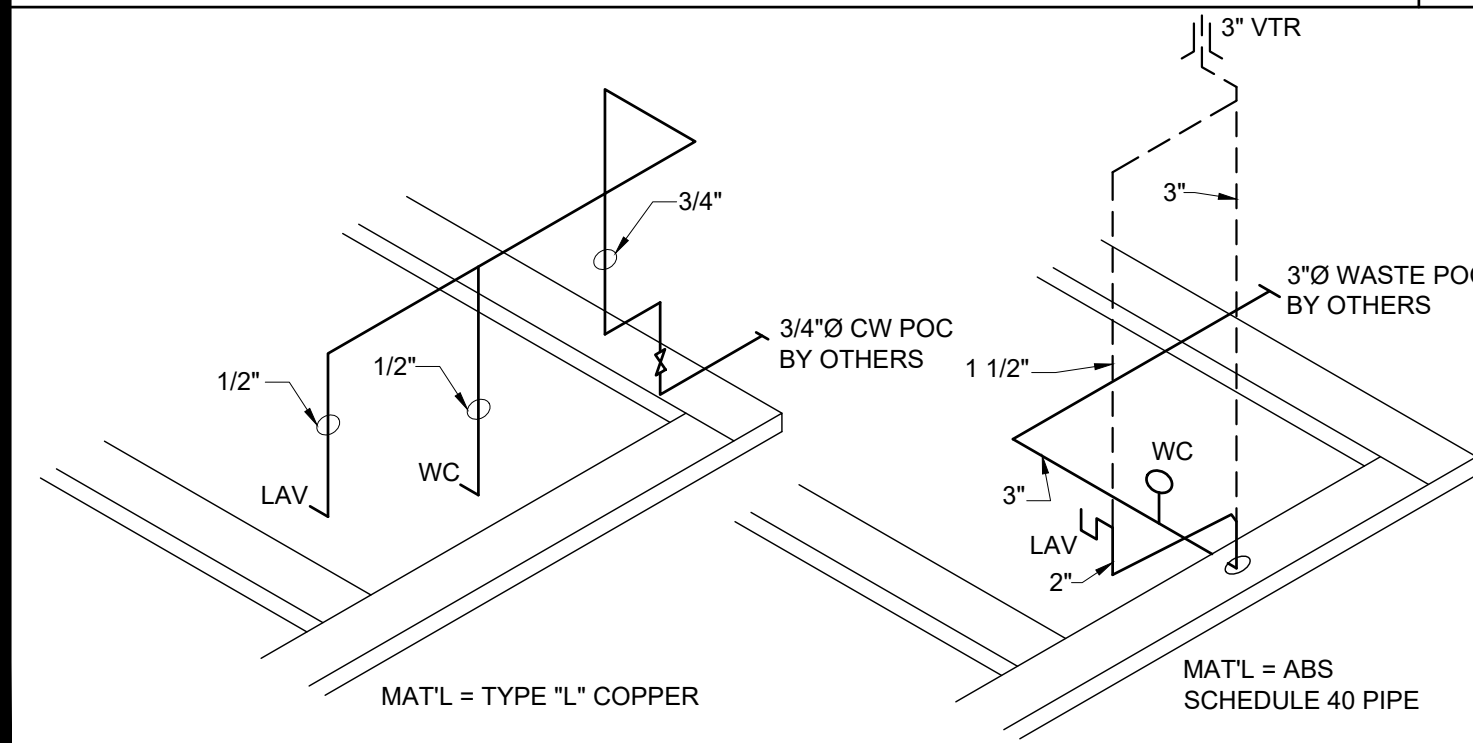
SINK CABINET COLD WATER SUPPLY



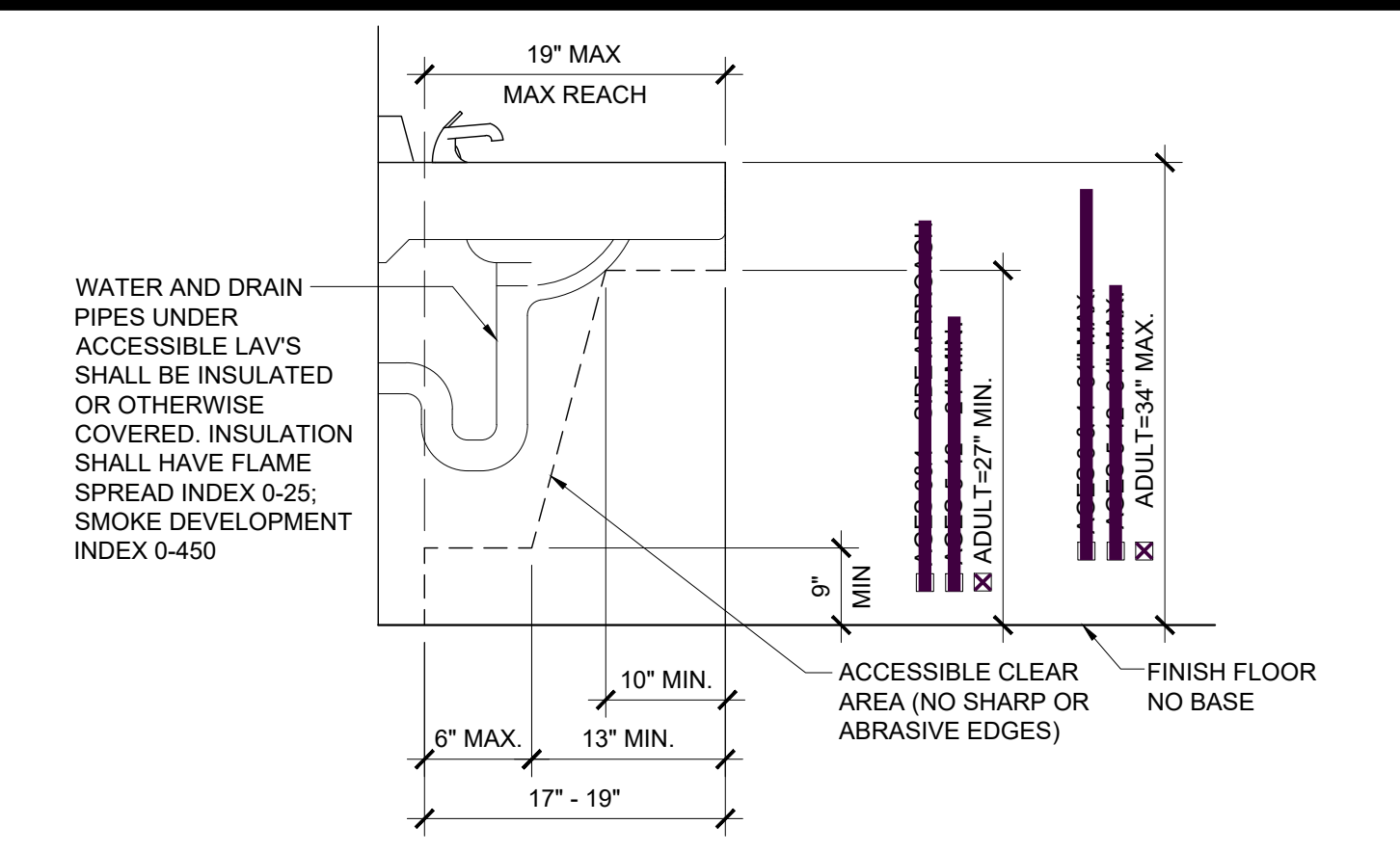
SINK CABINET WASTE



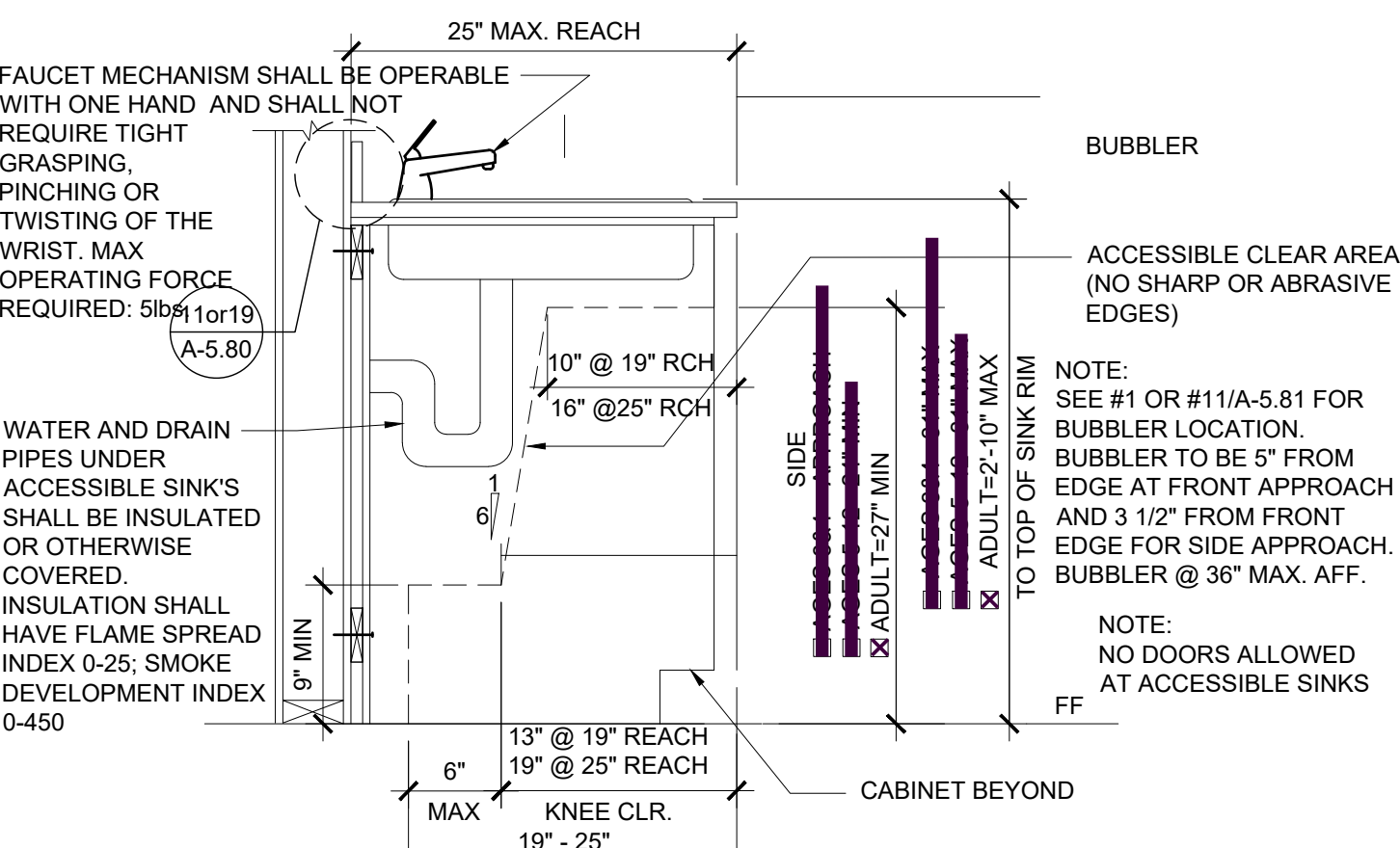
GRAB BAR CONNECTION DETAIL



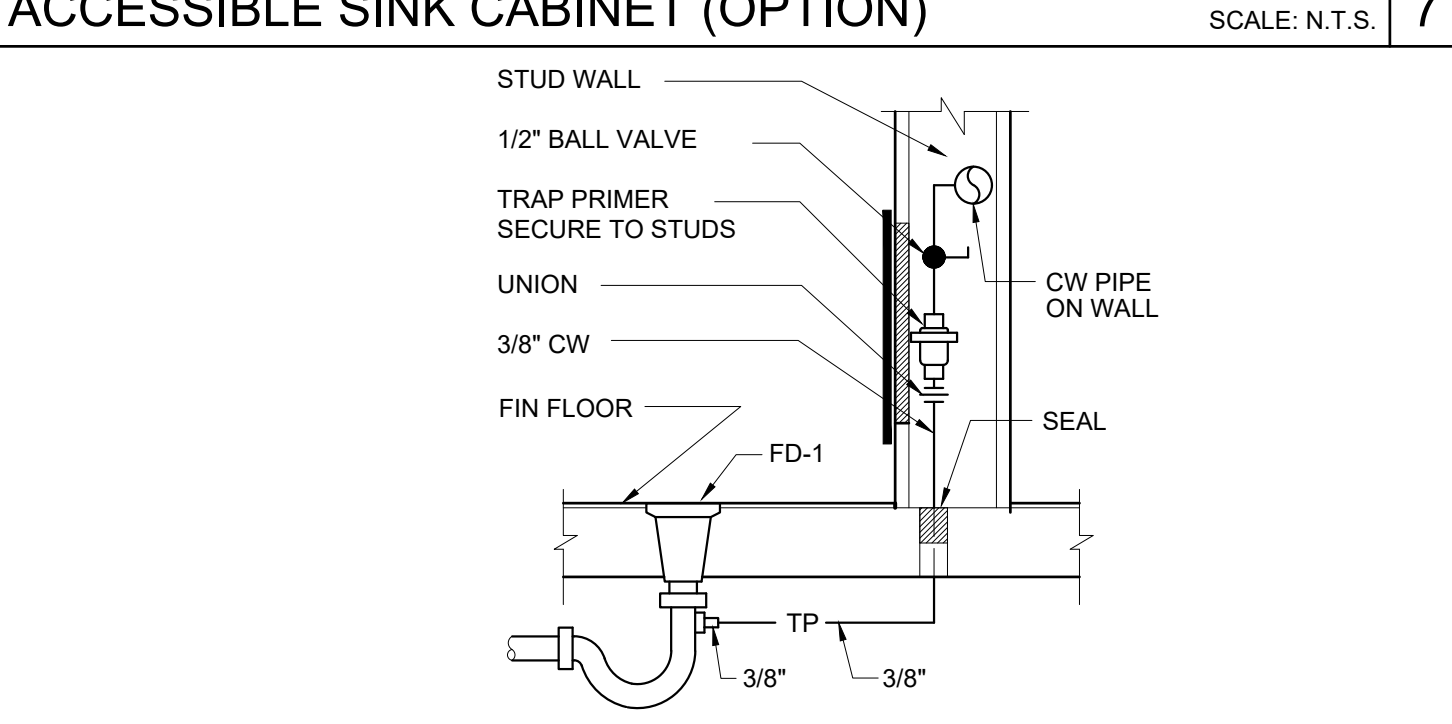
TOILET ROOM COLD WATER SUPPLY AND WASTE



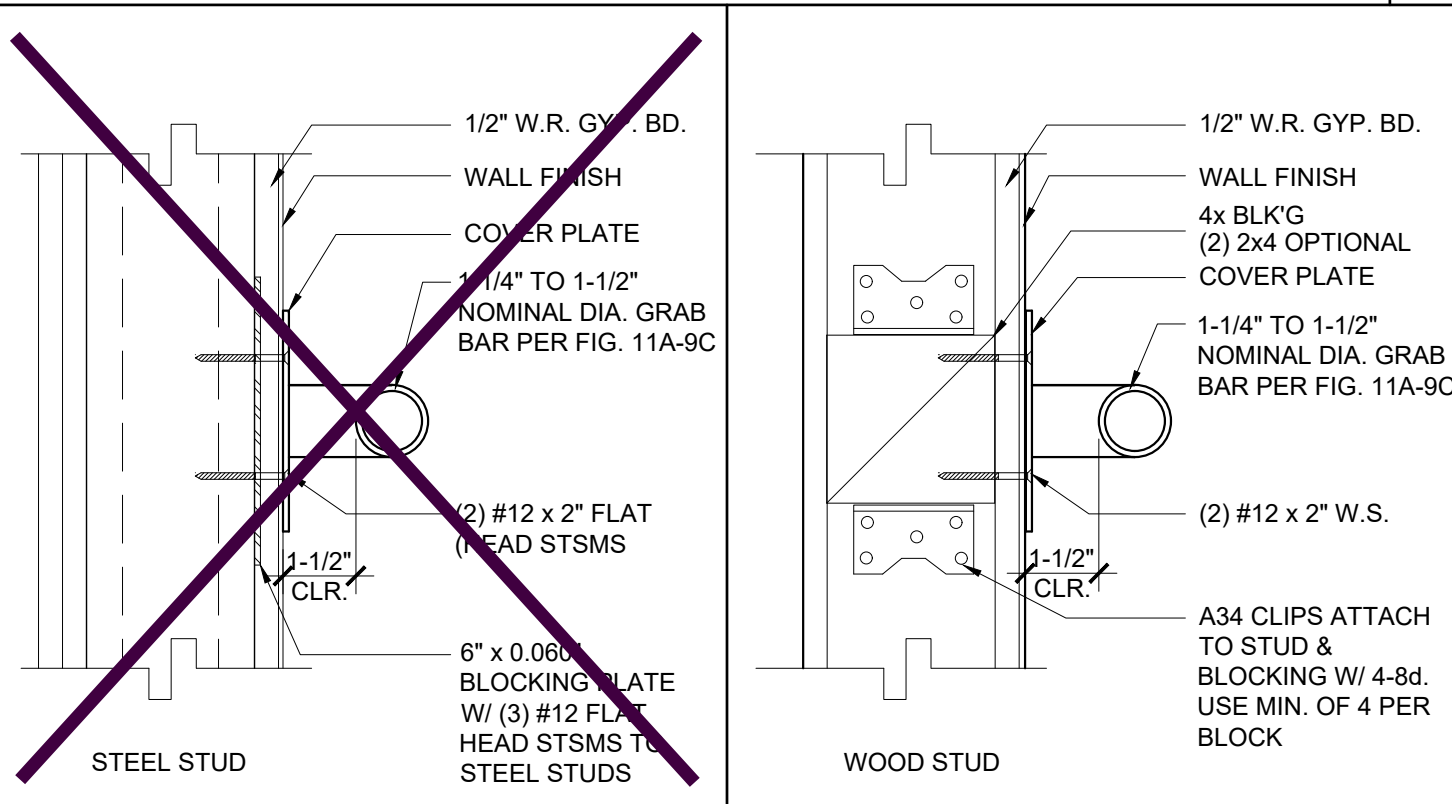
ACCESSIBLE LAV CLEARANCE



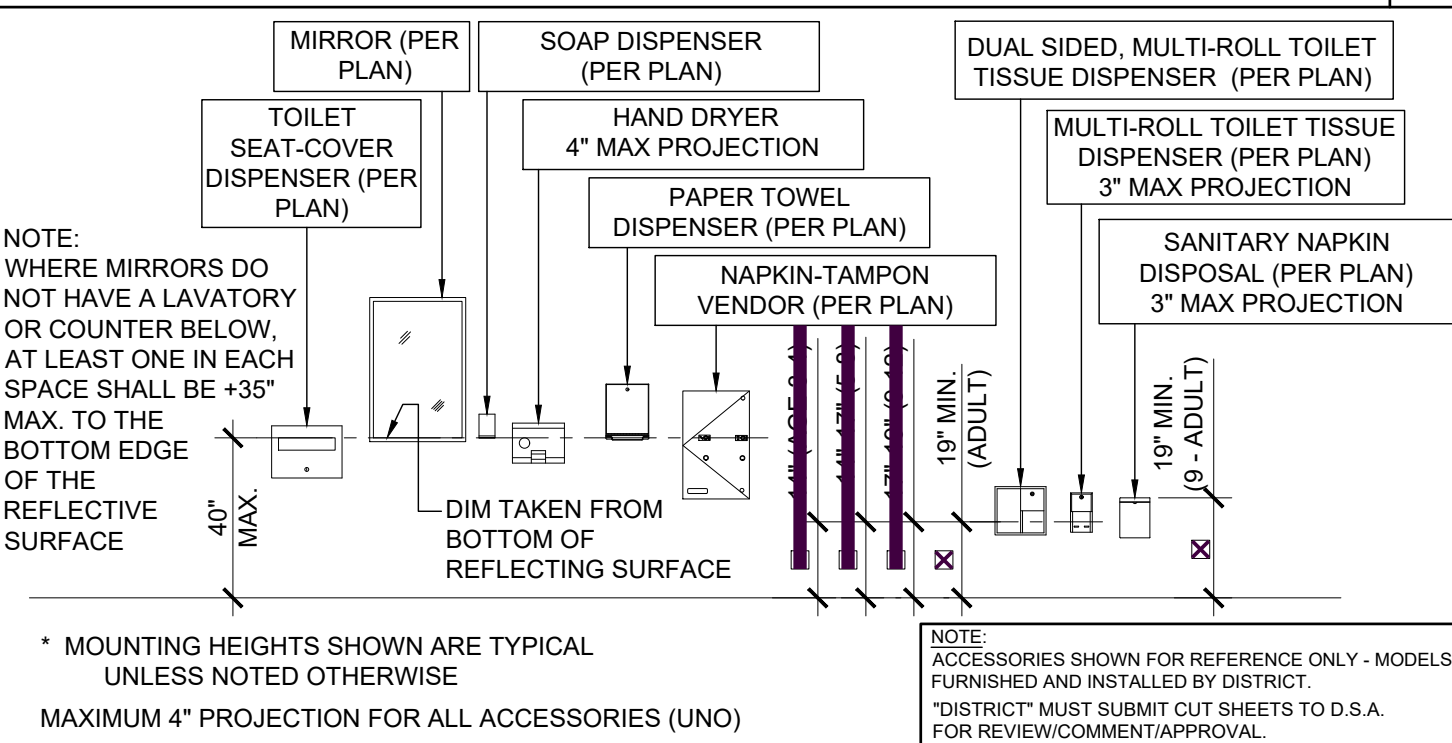
ACCESSIBLE SINK CABINET (OPTION)



TRAP PRIMER TO FLOOR DRAIN



GRAB BAR CONNECTION DETAIL



TOILET ACCESSORIES MOUNTING HEIGHTS

ACCESSIBILITY DIMENSIONS	11B-604.9 SUGGESTED DIMS			
	ADULT	AGES 3 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL	17" - 18"	12" - 15"	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" - 38"	29" - 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.	32" MAX.	32" MAX.
DISPENSER HEIGHT	19" MIN.	17" - 19"	14" MIN.	14"
LAVATORY/SINK TOP HEIGHT	34" MAX.	31" MAX.	24" MAX.	24" MAX.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.	24" MIN.	24" MIN.	24" MIN.
URINAL LIP HEIGHT	17" MAX.	17" MAX.	15" MAX.	13" MIN.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	44" MAX.	37" MAX.	37" MAX.
DRINKING FOUNTAIN BUBBLER HT. (LOW)	36" MAX.	30" MAX.	30" MAX.	30" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	24" MIN.	24" MIN.	24" MIN.
HANDRAIL HEIGHT (TO TOP)	34" - 38"	34" - 38"	34" - 38"	34" - 38"

STANDARD DIMENSIONS

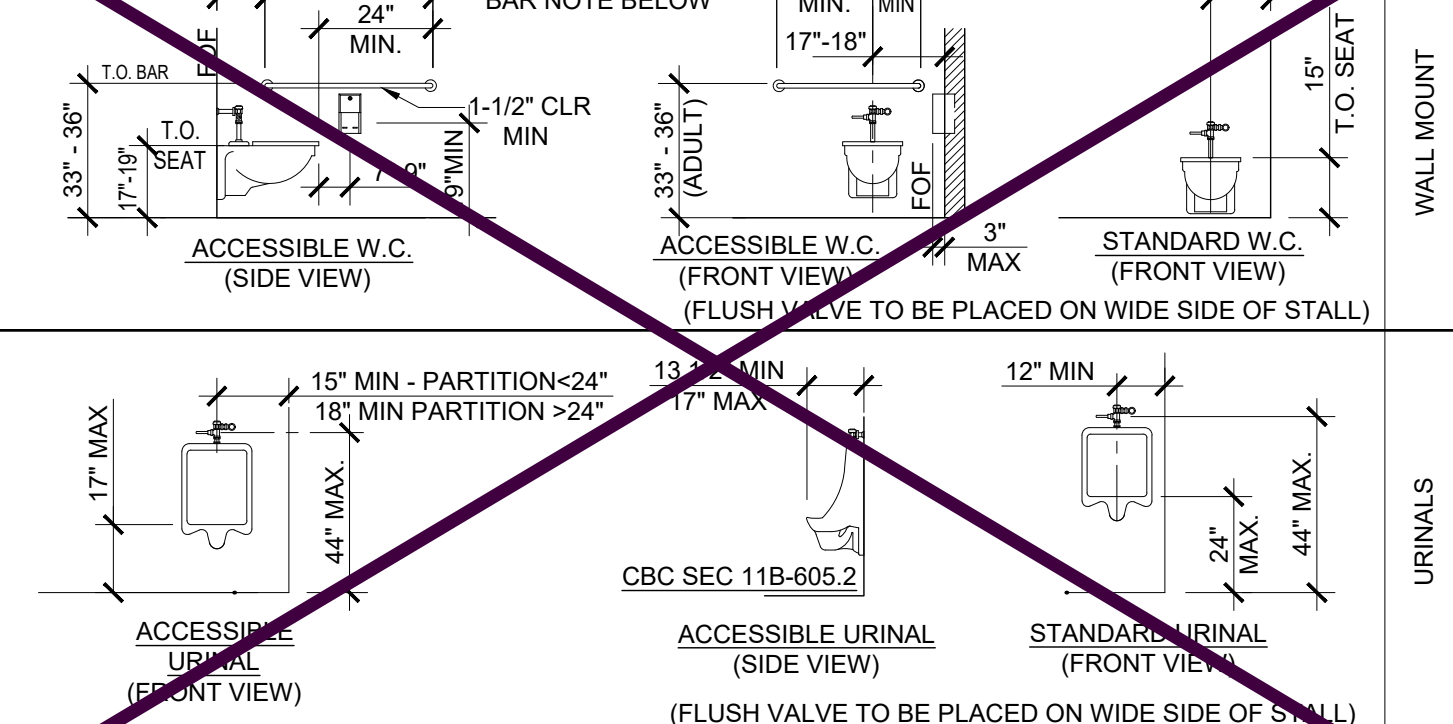
STANDARD DIMENSIONS	ALTERNATE HEIGHT (DIMS)			
	ADULT	AGES 3 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL/PARTITION	15" MIN.	15" MIN.	15" MIN.	15" MIN.
TOILET SEAT HEIGHT/DIM TO TOP OF SEAT	15"	15"	15"	15"
TOILET CLEARANCE/FRONT	24"	24"	24"	24"
URINAL LIP HEIGHT	24"	24"	18"	15"
URINAL CENTER FROM WALL/PARTITION	12"	12"	12"	12"

PLUMBING ACCESSORIES

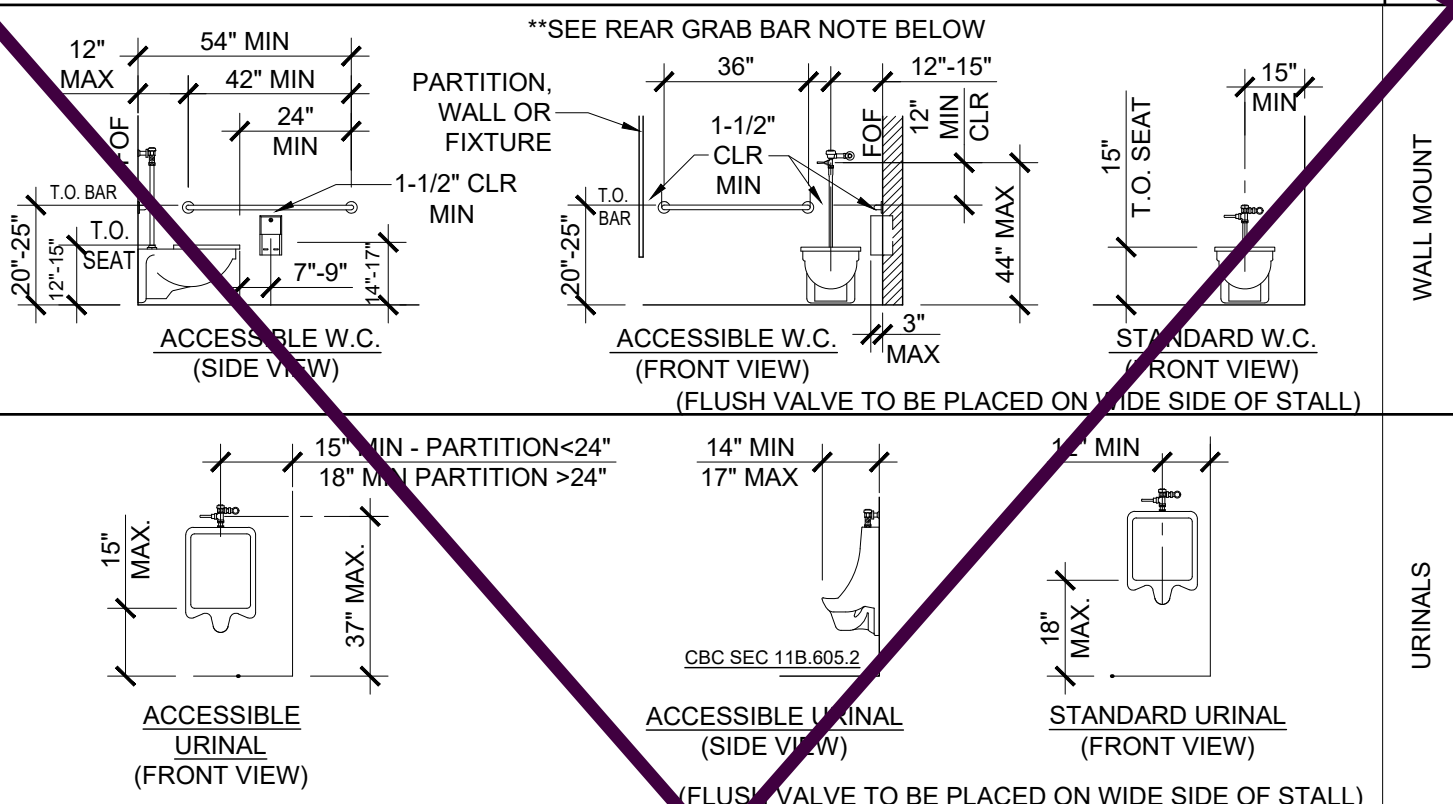
- (REF. ONLY-MODELS FURNISHED AND INSTALLED BY DISTRICT U.N.O.)
- A SOAP DISPENSER, LIQUID SOAP DISPENSER 4" MAX. PROJECTION
 - B PAPER TOWEL DISPENSER/TRASH BIN COMBO: SURFACE MOUNTED 4" MAX. PROJECTION-CANNOT ENCR OACH INTO 30x48 CLEAR SPACE OF FIXTURE
 - C TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED OR 3" MAX. PROJECTION
 - D TOILET SEAT DISPENSER: SURFACE MOUNTED 4" MAX. PER CODE ** MOUNTED BETWEEN BACK WALL AND TOILET PAPER DISP.



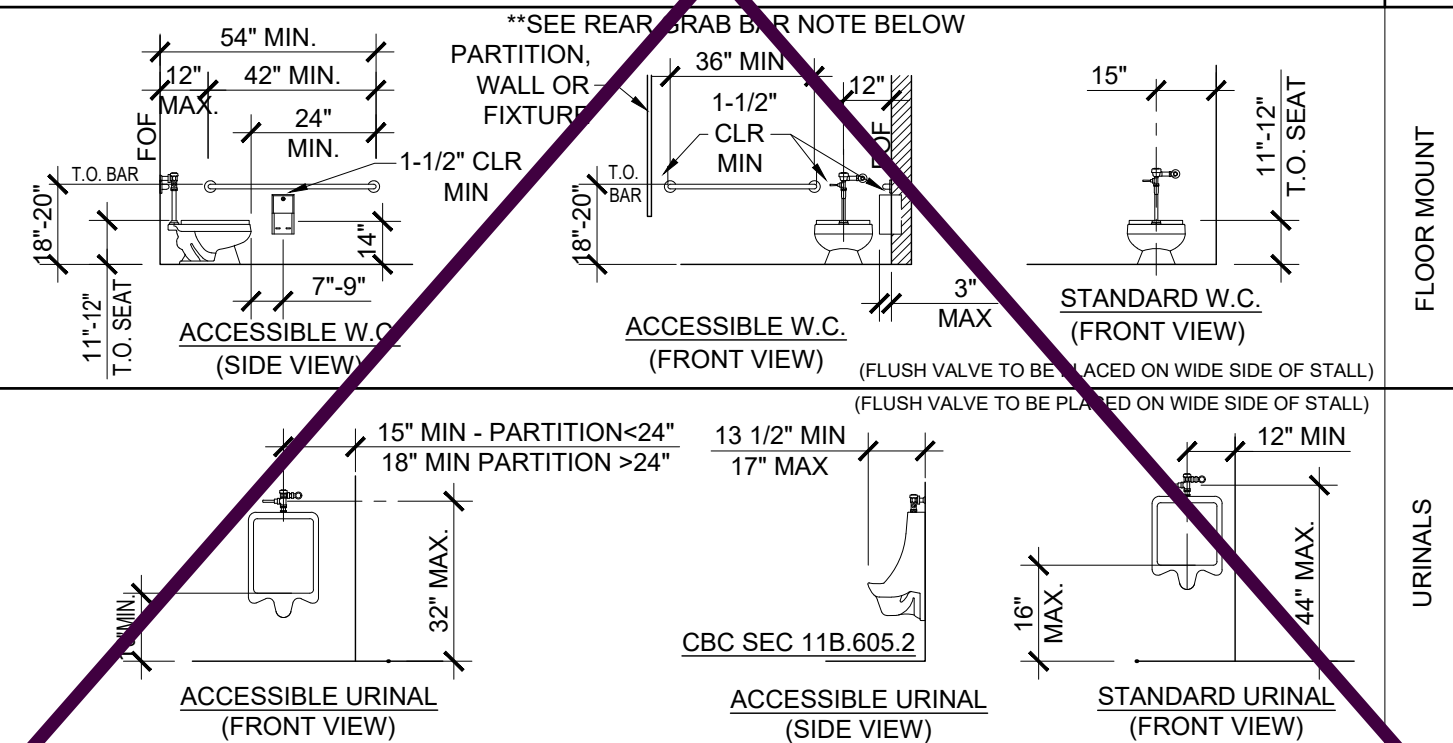
TOILET FIXTURE MOUNTING HEIGHTS (ADULT)



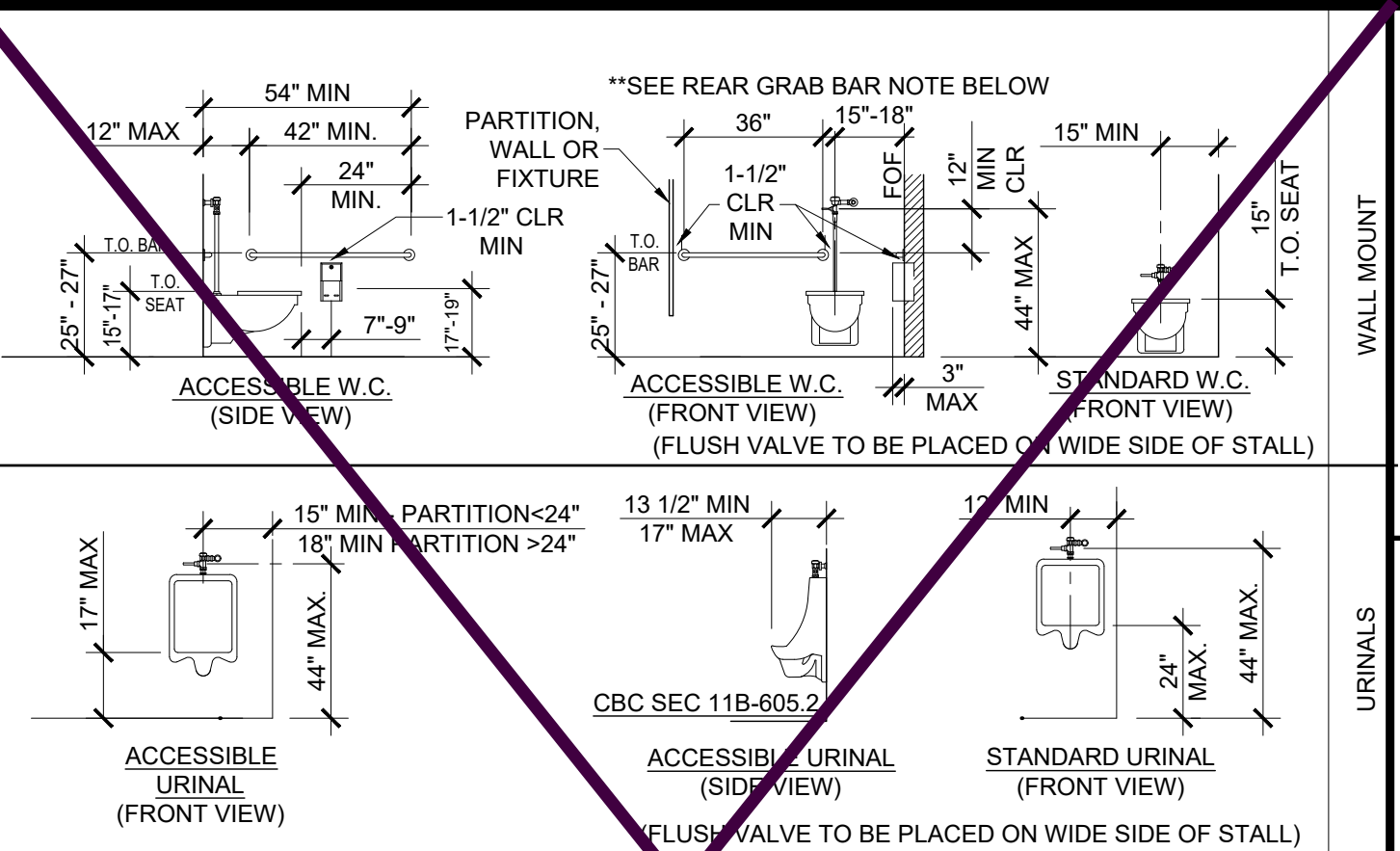
TOILET FIXTURE MOUNTING HEIGHTS (ADULT)



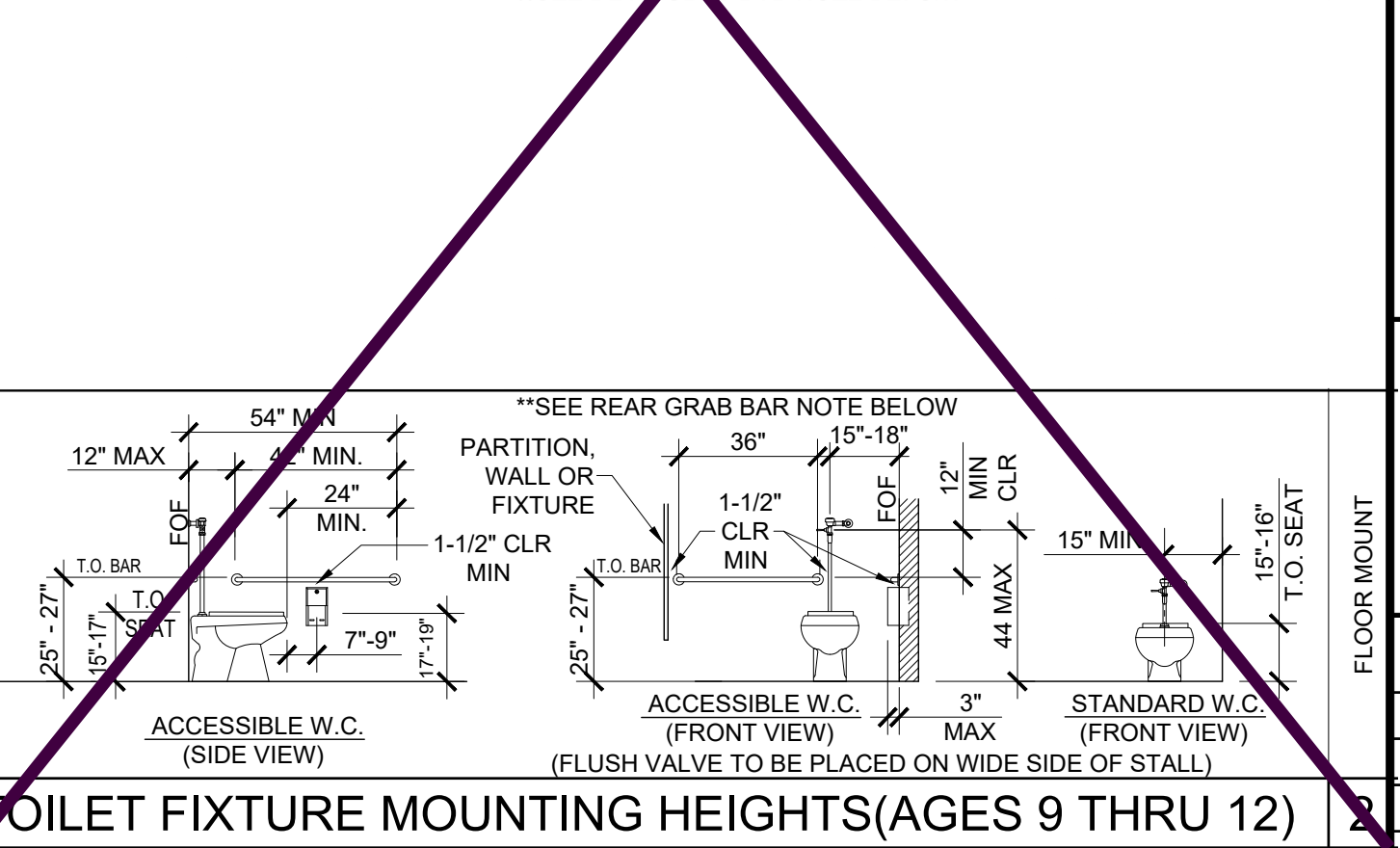
TOILET FIXTURE MOUNTING HEIGHTS (ADULT)



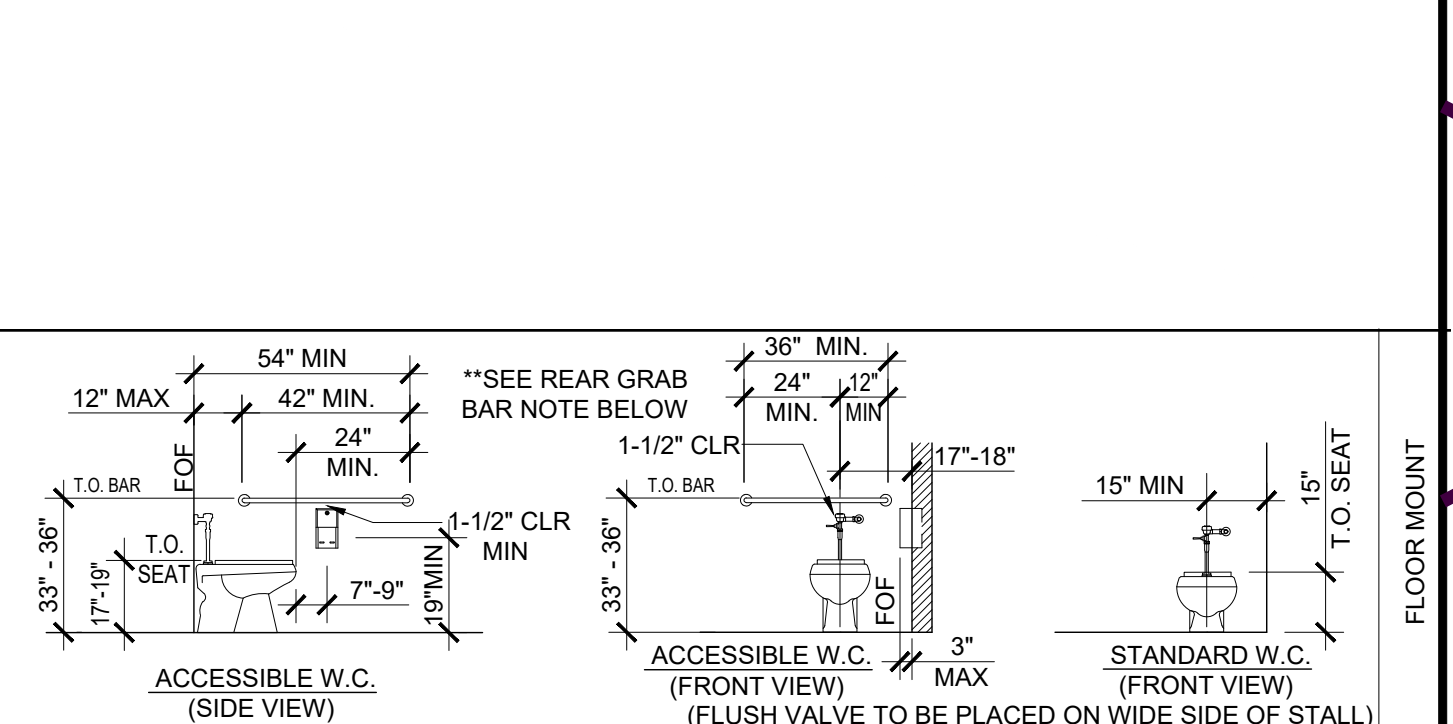
TOILET FIXTURE MOUNTING HEIGHTS (ADULT)



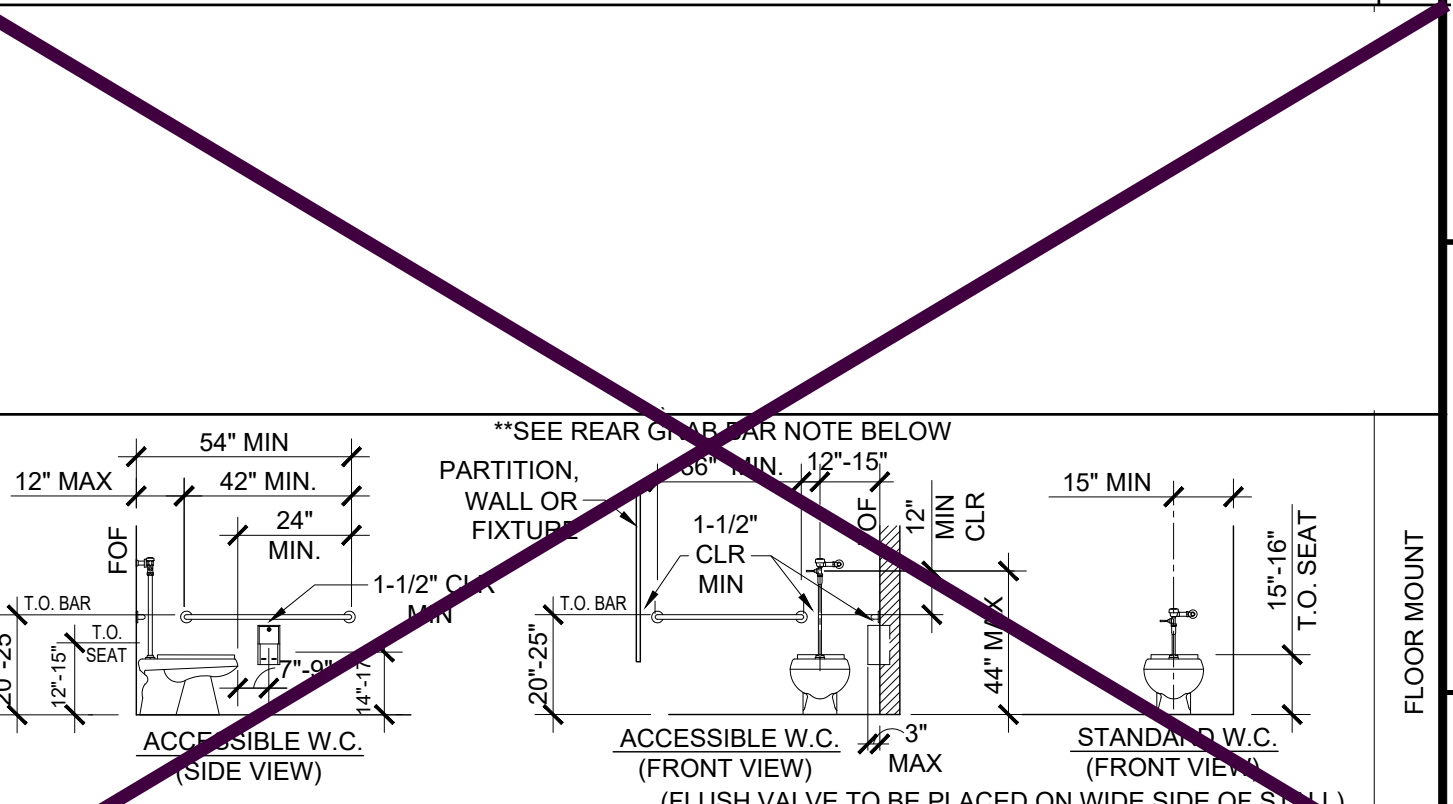
TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 THRU 12)



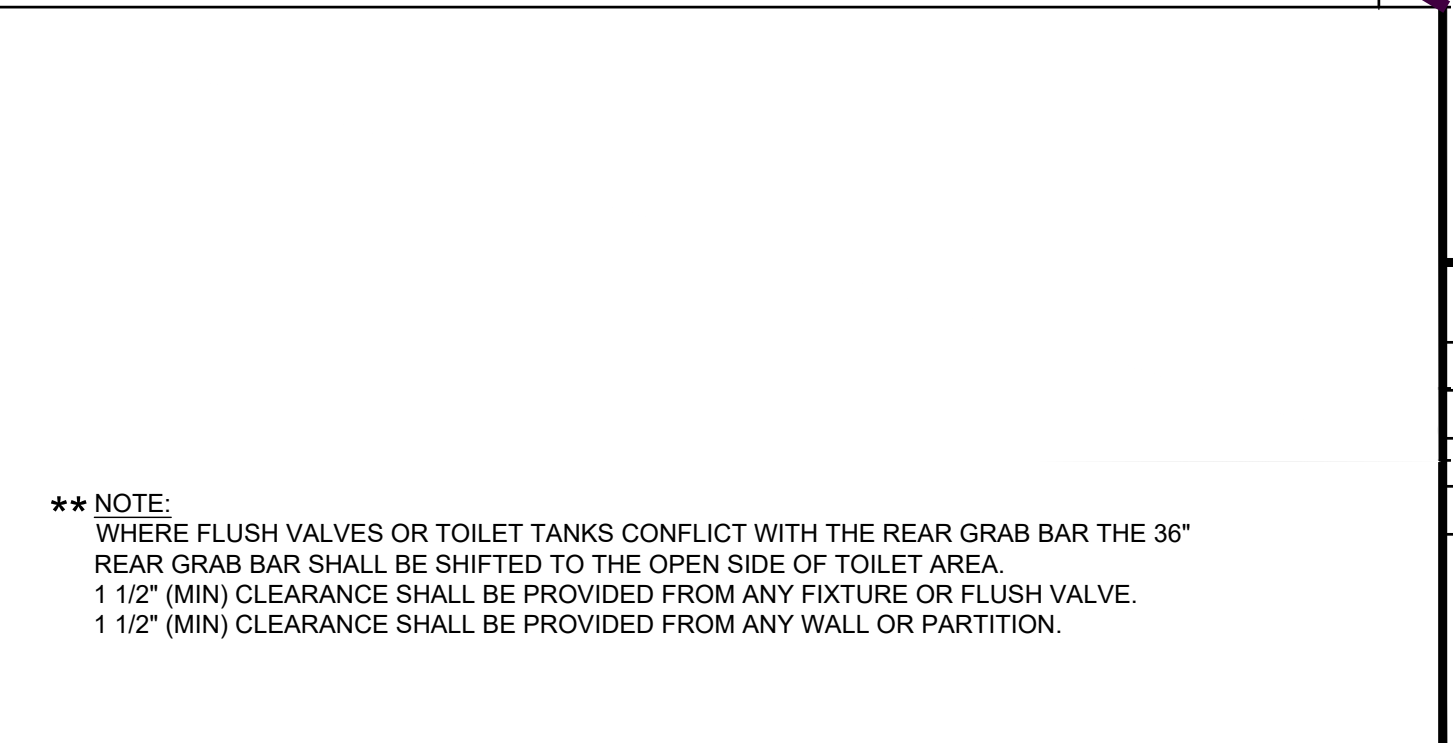
TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 THRU 12)



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: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:
PLUMBING DETAILS
AND SCHEDULE

REVISIONS

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122602 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023

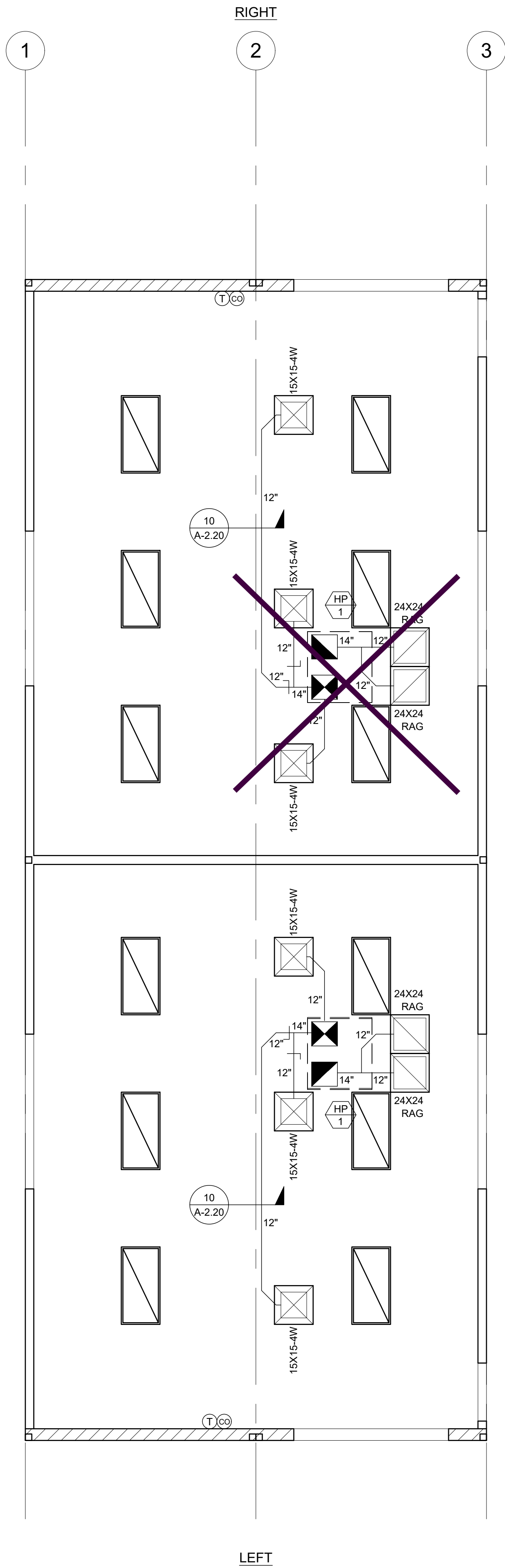
PC STATE AGENCY APPROVAL

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 60' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-19-2023
P.C. SHEET NUMBER
P-1.01



MECHANICAL PLAN

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

ROOF TOP MECHANICAL EQUIPMENT SCHEDULE			
HP 1			
HVAC Equipment Make and Model	DAY & NIGHT #PHD44800K		
Nominal Tonnage	4		
BTUH:			
Heating	46,000		
Cooling	48,000		
Indoor/Blower Fan:			
BHP/HP	0.8/1		
CFM	1,600		
Strip Heating	NA		
SEER	14.0		
EER	12.0		
HSPF	8.0		
COP	3.6		
Voltage	230/208-1		
MCA	33.2		
MCOP	50		
Wire Size (Pwr/ Grnd)	8 / 10		
Thermostat:			
Make and Model	Venstar #T4900SCH		
Setback	Yes		
Heat Pumps	Yes		
Shut-off and Reset:	Occupancy Sensor		
Economizer:			
Make and Model	CPECCM2R007A00		
Control	Fixed Dry Bulb		
Fault Detection	Yes		
Outside Air Damper Position	Varies		
Demand Control Ventilation	Yes		
Minimum DCV Outside Air in CFM	0.15 CFM / SF		
Minimum Designed Outside Air in CFM	See Below		
Demand Shed Thermostat	NA		
Operating Weight	590 #		

NOTES:

PROVIDE SET-BACK THERMOSTAT.

DESIGNED MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT

PROVIDE AN OCCUPANCY SENSOR WITH AN AUTOMATIC SHUT DOWN CONTROLS

PROVIDE 2" MERV 13 FILTER

AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.

AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE IS EQUAL TO THE INDICATED TONNAGE AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

PROVIDE A CO2 SENSOR WITH LCD DISPLAY (CARROER #33ZCSP02LCD-01 or EQUAL) ADJACENT TO THE THERMOSTAT MOUNTED AT + 48" AFF.

PROVIDE A HONEYWELL JADE CONTROL SYSTEM (or EQUAL) CAPABLE OF OUTPUTTING FDD ALARMS TO THE THERMOSTAT PER ENERGY CODE SECTION 120.2(1).

ECONOMIZERS SHALL HAVE AN INTEGRATED PARAMETRIC DAMPER OR OTHER MEANS OF EXHAUSTING THE BUILDING WHEN THE SYSTEM IS DELIVERING 100% OUTSIDE AIR.

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:

REQUIRED VENTILATION BASED ON AREA

ROOM AREA = 720 SF

REQUIRED VENTILATION RATE = 0.38 CFM / SF

REQUIRED OUTSIDE AIR VOLUME = 720 x 0.38 = 274 CFM

VENTILATION AS DESIGNED

ROOM AREA = 720 SF

OCCUPANCY FOR EGRESS PURPOSES = 720 / 20 = 36 OCCUPANTS

ASSUMED # OF OCCUPANTS = 36 OCCUPANTS x 0.6 = 21.6

REQUIRED VENTILATION RATE = 15 CFM / OCCUPANT

REQUIRED OUTSIDE AIR VOLUME = 21.6 x 15 = 324 CFM

MINIMUM REQUIRED VENTILATION FOR DCV

ROOM AREA = 720 SF

REQUIRED VENTILATION RATE = 0.15 CFM / SF

REQUIRED OUTSIDE AIR VOLUME = 720 x 0.15 = 108 CFM

NOTE:

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

NOTE:

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

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PROJECT NAME:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

MECHANICAL PLAN
ROOF MOUNT
24' x 60'

REVISIONS

- 1
- 2
- 3
- 4
- 5

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Silver Creek

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MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES

24' x 60' PC

PROJECT NO:

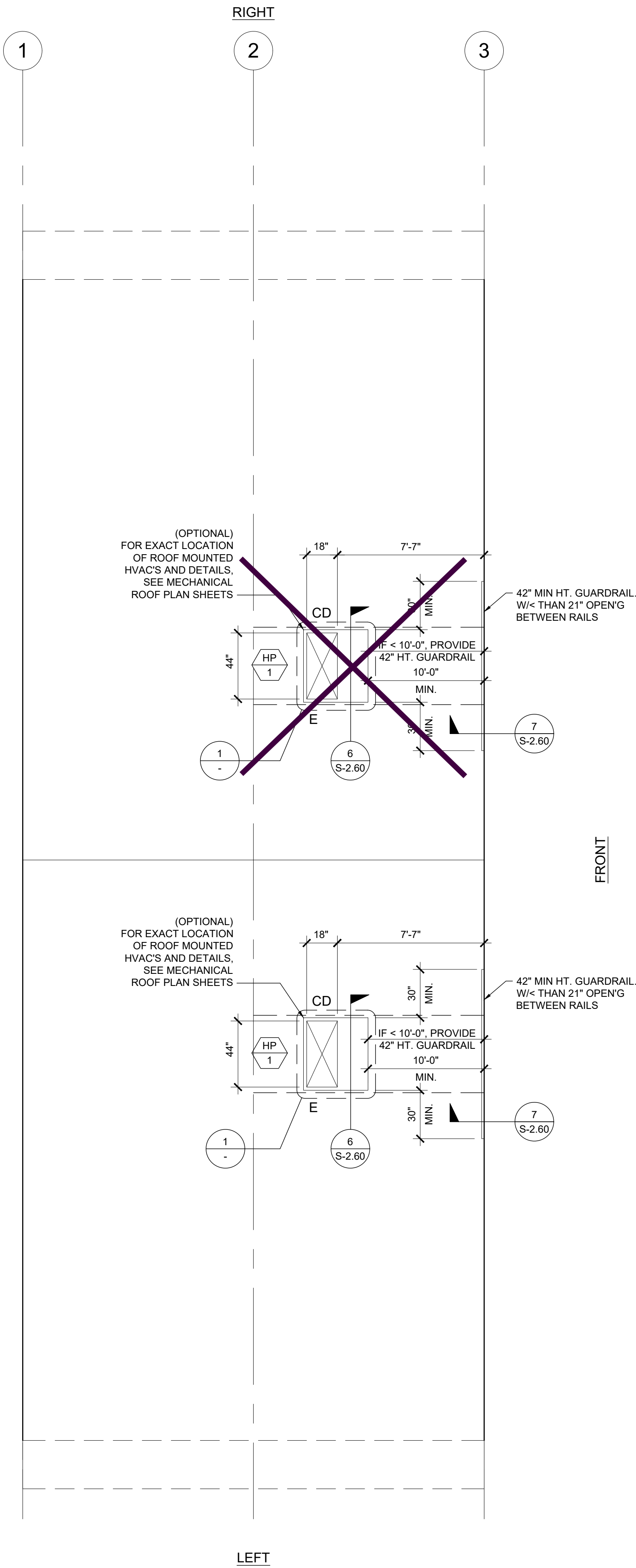
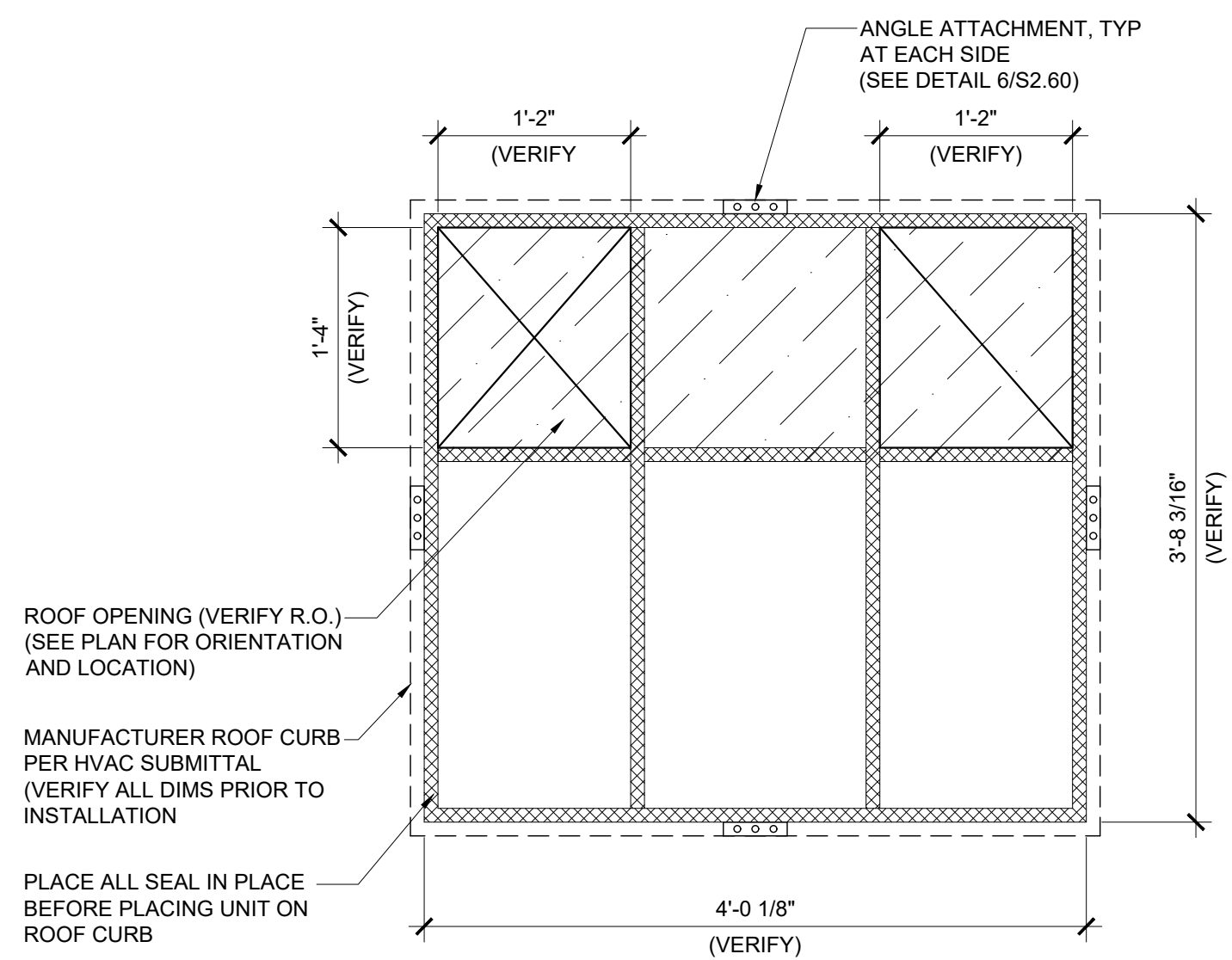
DRAWN BY:

SCALE: AS NOTED

DATE: 09-19-2023

P.C. SHEET NUMBER

M-2.01



HEAT PUMP CURB PLAN VIEW

SCALE: 1"=1'-0" 1

* NOTE:
ALL ROOFTOP EQUIPMENT THAT REQUIRES SERVICE & ROOF ACCESS HATCHES MUST
BE A MIN. OF 10'-0" AWAY FROM ALL ROOF EDGES TO OPENING EDGES OR PROVIDE
42" MIN. GUARDRAIL OR PARAPET
CBC 2022 SECTIONS 1013.6 & 1013.7.

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SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

MECHANICAL ROOF PLAN
ROOF MOUNT
24' x 60'

REVISIONS

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3	
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SILVER CREEK INDUSTRIES
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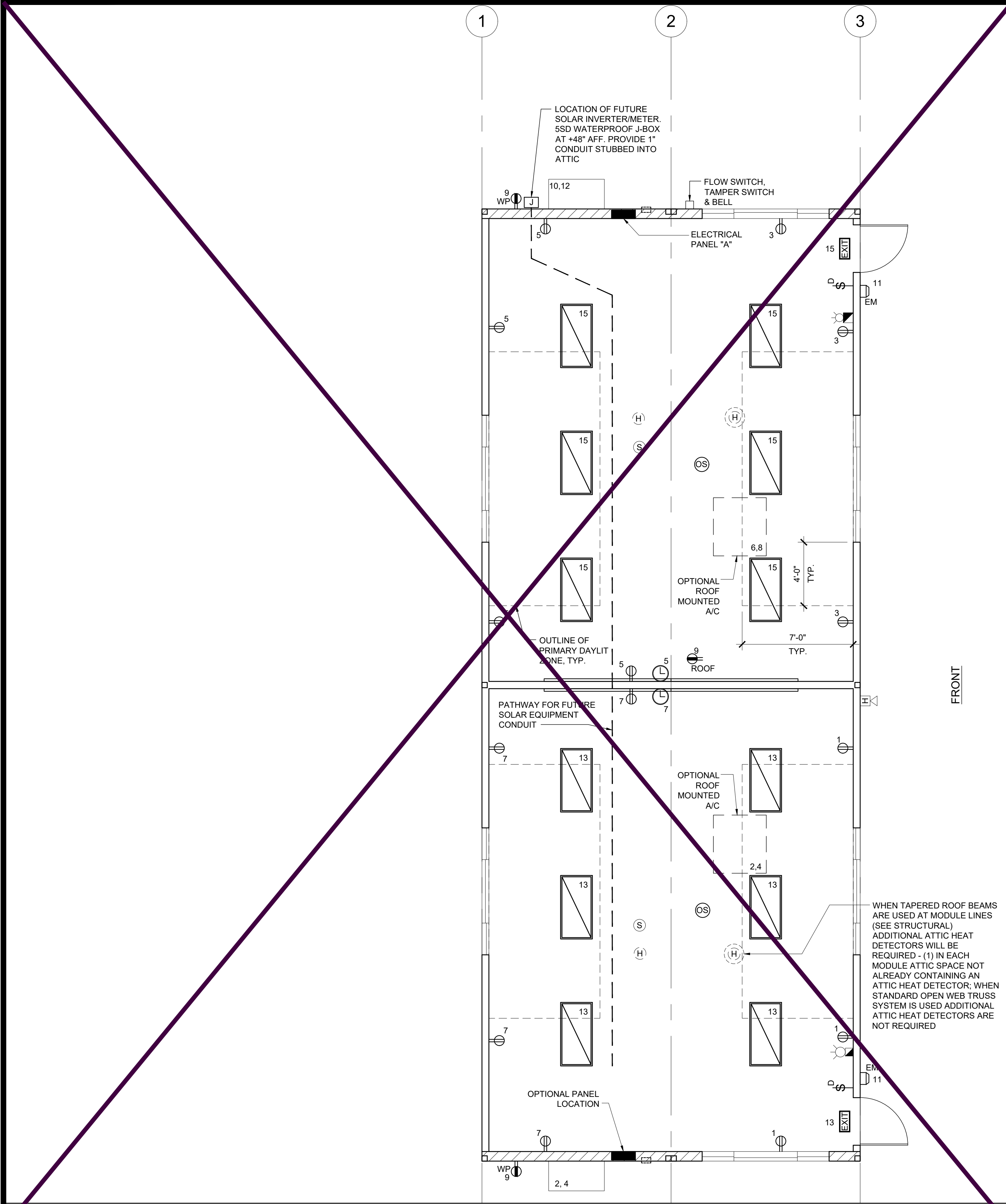
DRAWN BY:

SCALE: AS NOTED

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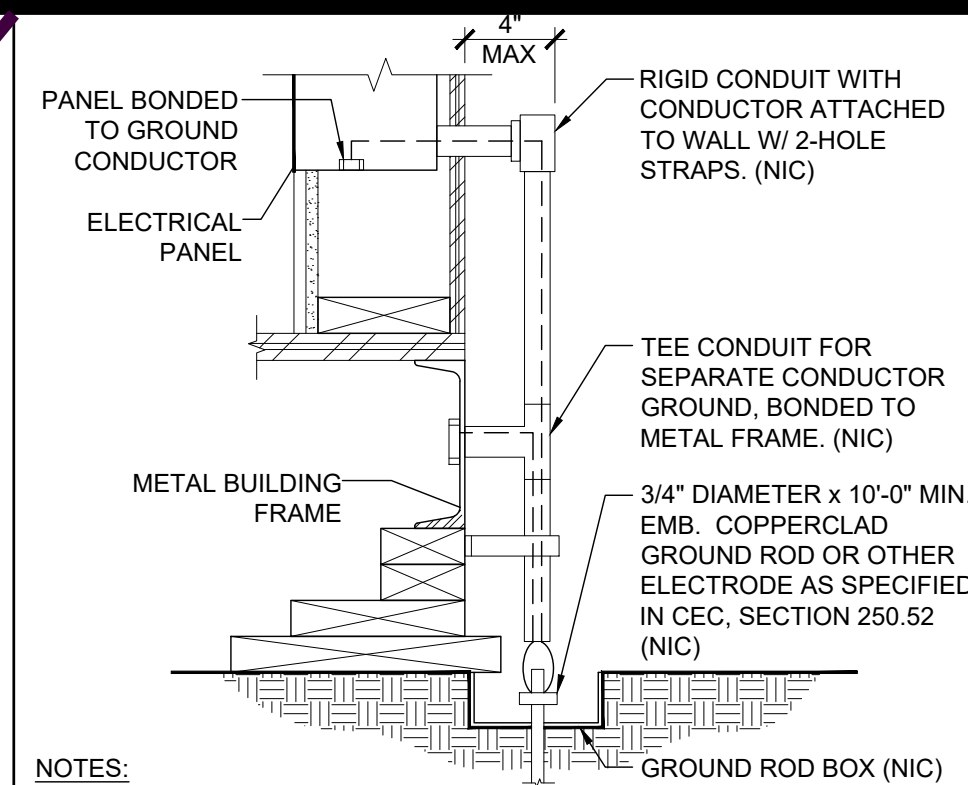
P.C. SHEET NUMBER

M-2.02



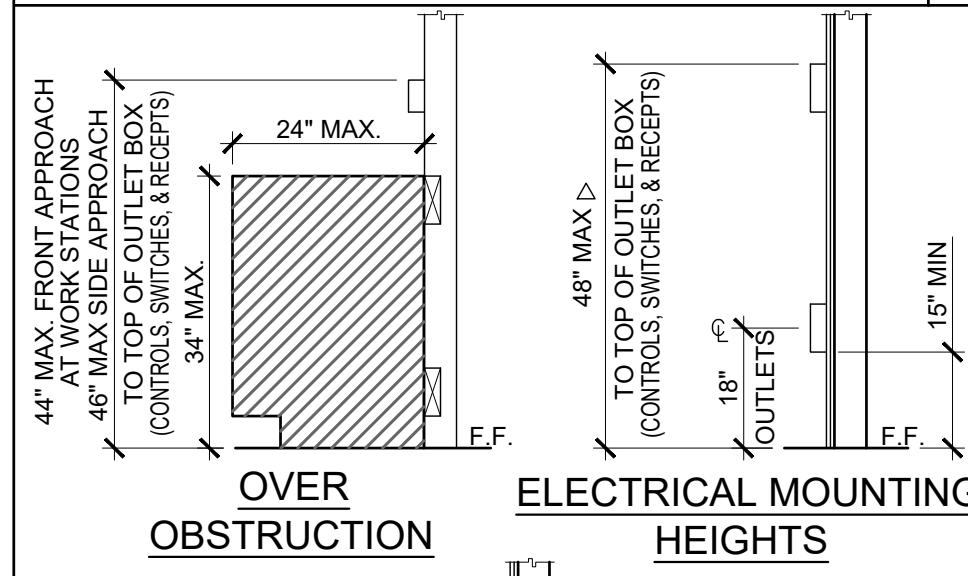
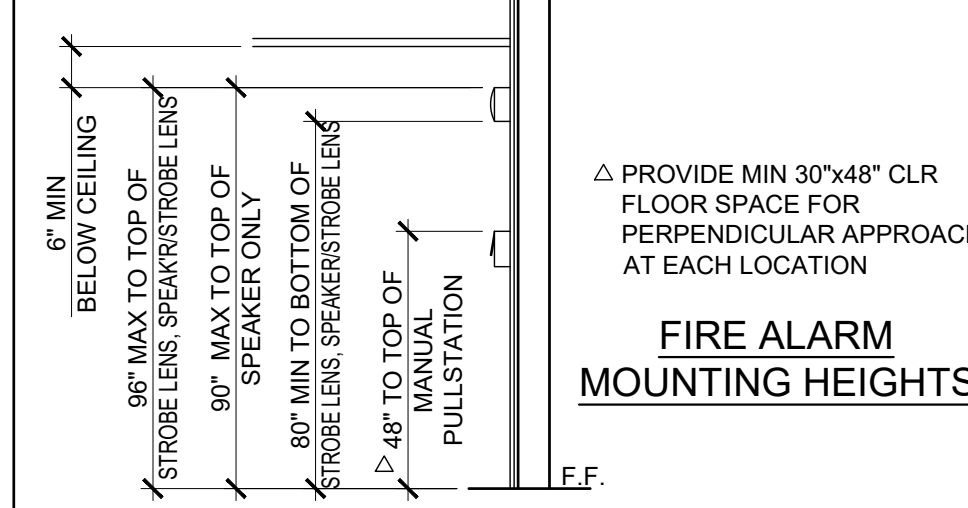
ELECTRICAL PLAN

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

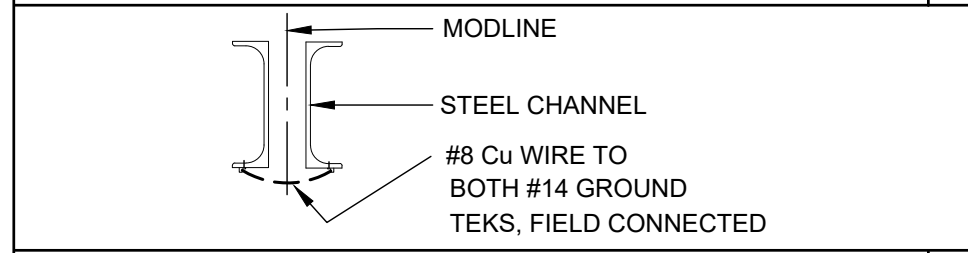


- NOTES:
- SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66
 - ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.
 - BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL & TO METAL BUILDING FRAME (CEC 250.52) IN ADDITION TO THE DETAIL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

TYPICAL GROUNDING DETAIL



ACCESSIBLE HEIGHTS



GROUND JUMPER AT MODLINE

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

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 MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.

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

FIRE ALARM NOTES

- SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES PROVIDED AND INTERCONNECTED BY OTHERS TO FIRE ALARM SYSTEM
- PROVIDE DEDICATED FIRE ALARM 120 VOLT CIRCUIT CONNECTED TO LOCKING CIRCUIT BREAKER. THE CIRCUIT BREAKER SHALL BE LOCKED-ON WITH APPROVED LOCKING DEVICE, MARKED RED AND IDENTIFIED AS "FIRE ALARM CONTROL CIRCUIT". NFPA 72 SECTION 10.6.5.2

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1-18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

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

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

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

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

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8 AND 2022 CBC SECTIONS 1617A.1.24, 1617A.1.25 & 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., OSHPD OPA FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

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

LIGHTING CONTROL SYSTEM SEQUENCE OF OPERATIONS

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

SEQUENCE:

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

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

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

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 90°C, COPPER)									
WIRE SIZE	CAPACITY	WIRE TYPE	1/2" C	3/4" C	1" C	1 1/4" C	NO. OF CONDUCTOR PERMITTED		
#12	20A	THHN	9	16	25	45			
#10	30A	THHN	5	10	16	28			
#8	45A	THHN	2	5	8	14			
#6	65A	THHN	1	3	5	10			
#4	85A	THHN	1	2	4	7			

JUNCTION BOX SIZE TABLE

BOX	SIZE	CU. IN.	MAX NO. OF CONDUCTORS			
			#12	#10	#8	#6
4SS	1 1/4" x 4" SQ	18.0	8	7	6	0
4S	1 1/2" x 4" SQ	21.0	9	8	7	0
4SD	2 1/8" x 4" SQ	30.3	13	12	10	6
4SX	2 7/8" x 4" SQ	43.5	23	21	17	10
5SD	2 1/8" x 4-11/16" SQ	42.0	18	16	14	6
5SX	3 7/8" x 4-11/16" SQ	86.0	38	34	28	17
664	4" x 6" SQ	144.0	64	57	48	28

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

LEGEND

- 2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE WITH DIMMING WATTAGE: 51 WATTS (MAX), 5000L (MIN)
- WALL MOUNTED HVAC UNIT. SEE MECHANICAL DWGS
- ROOF MOUNTED HVAC UNIT-SEE MECHANICAL DWGS
- ELECTRICAL PANEL AT +60" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT (U.N.O.)
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED PHOTOCELL
- ULTRASONIC CEILING OCCUPANCY SENSOR. SENSOR TO BE CONNECTED TO KEYED 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/STROBE (DEVICE BY OTHERS). BOTTOM OF LENS SHALL BE BETWEEN 80" AND 96" AFF AND WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM SPEAKER/HORN WITH PULL STRING
- 4SD J-BOX FOR EXTERIOR FIRE ALARM SPEAKER (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULL STRING
- RECESSED 4SD J-BOX W/ COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULL STRING
- 4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS). MAXIMUM 21'-0" FROM ANY POINT IN ROOM AND 30'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- 4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS). MAXIMUM 35'-0" FROM ANY POINT IN ATTIC AND 50'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- 4SD J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE, HARD WIRE TO UNIT
- 100 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH
- 300 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH
- 2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE WITH DIMMING WATTAGE: 51 WATTS (MAX), 5000L (MIN) EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE. THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES. ANY LIGHT FIXTURE EQUIPPED WITH A BATTERY PACK SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE. ADDITIONALLY THE BATTERY PACK SHALL BE OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.
- WALL MOUNTED LIGHT FIXTURE, 30 WATTS
- 4SD J-BOX FOR FUTURE DATA W/ SINGLE GANG RING W/ 1" CO STUB INTO ATTIC AND PULL STRING
- DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER FLOW SWITCH.
- DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER TAMPER SWITCH.
- DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER BELL.

ELECTRICAL PANEL									
PANEL: "A"					FEED: REAR				
LOCATION: INTERIOR ACCESS					MOUNTING: FLUSH				
LOAD		QTY	WATTS	BREAKER	LOAD		QTY	WATTS	BREAKER
Aff	Bff		Amps	P	Aff	Bff		Amps	P
RECEPTACLES/CLOCK	5	900	20	1	3 1/2 TON HVAC - WALL MOUNT (4 KW)	1	3 1/2 TON HVAC - WALL MOUNT (4 KW)	1	4025
RECEPTACLES/CLOCK	5	900	20	1					
RECEPTACLES	3	540	20	1					
RECEPTACLES	3	540	20	1					
GFI RECEPTACLES	4	720	20	1	3 1/2 TON HVAC - WALL MOUNT (4 KW)	1	3 1/2 TON HVAC - WALL MOUNT (4 KW)	1	4025
EXTERIOR LIGHTS	2	80	20	1					
INTERIOR LIGHTS & EXHAUST FAN	9	1080	20	1					
INTERIOR LIGHTS & EXHAUST FAN	9	1080	20	1					
DED. - SOLAR READY									
DED. - SOLAR READY					FIRE ALARM (NOTE #2)		FIRE ALARM (NOTE #2)		
A = 11290			3240	2600	B = 10690		B = 10690		
WATTS / PHASE					WATTS / PHASE		WATTS / PHASE		
TOTAL = 32,100			154	AMPS	TOTAL = 32,100		159	AMPS	

ELECTRICAL PANEL									
PANEL: "A"					FEED: REAR				
LOCATION: INTERIOR ACCESS					MOUNTING: FLUSH				
LOAD		QTY	WATTS	BREAKER	LOAD		QTY	WATTS	BREAKER
Aff	Bff		Amps	P	Aff	Bff		Amps	P
RECEPTACLES/CLOCK	5	900	20	1	3 1/2 TON HVAC - ROOF MOUNT (5 KW)	1	3 1/2 TON HVAC - ROOF MOUNT (5 KW)	1	4025
RECEPTACLES/CLOCK	5	900	20	1					
RECEPTACLES	3	540	20	1					
RECEPTACLES	3	540	20	1					
GFI RECEPTACLES	4	720	20	1	3 1/2 TON HVAC - ROOF MOUNT (5 KW)	1	3 1/2 TON HVAC - ROOF MOUNT (5 KW)	1	4025
EXTERIOR LIGHTS	2	80	20	1					
INTERIOR LIGHTS & EXHAUST FAN	9	1080	20	1					
INTERIOR LIGHTS & EXHAUST FAN	9	1080	20	1					
DED. - SOLAR READY									
DED. - SOLAR READY					FIRE ALARM (NOTE #2)		FIRE ALARM (NOTE #2)		
A = 18440			15200	1240	B = 10690		B = 10690		
WATTS / PHASE					WATTS / PHASE		WATTS / PHASE		
TOTAL = 33,020			159	AMPS	TOTAL = 33,020		159	AMPS	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:
**SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.**

SHEET TITLE:
**ELECTRICAL PLAN
AND SCHEDULE
24' x 60' - OPTION A-1**

REVISIONS
1
2
3
4
5

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122602 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023

PC STATE AGENCY APPROVAL

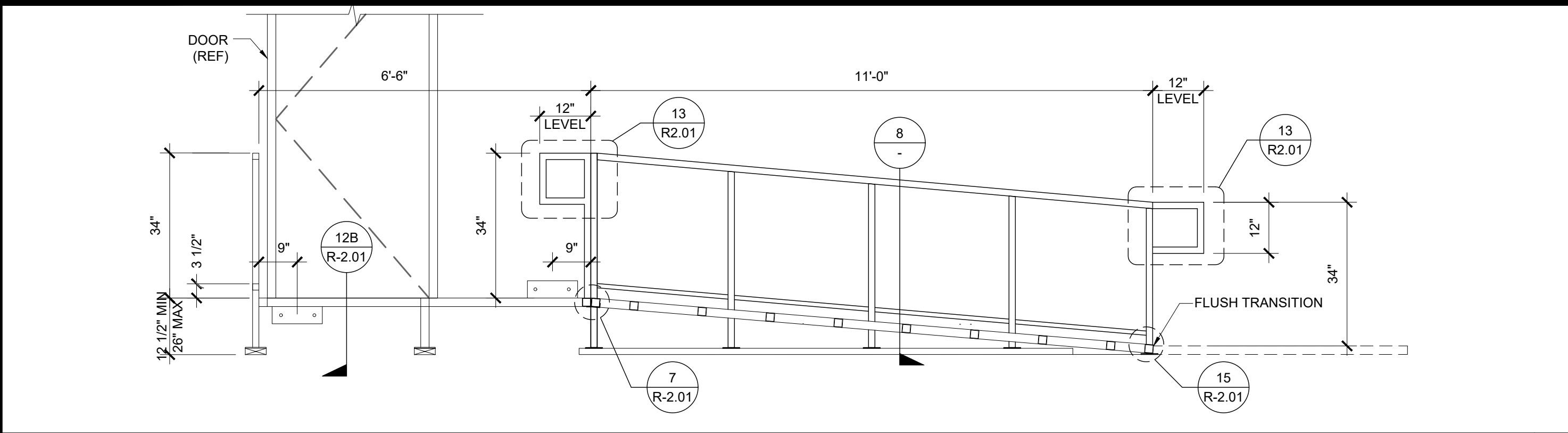
Silver Creek
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL

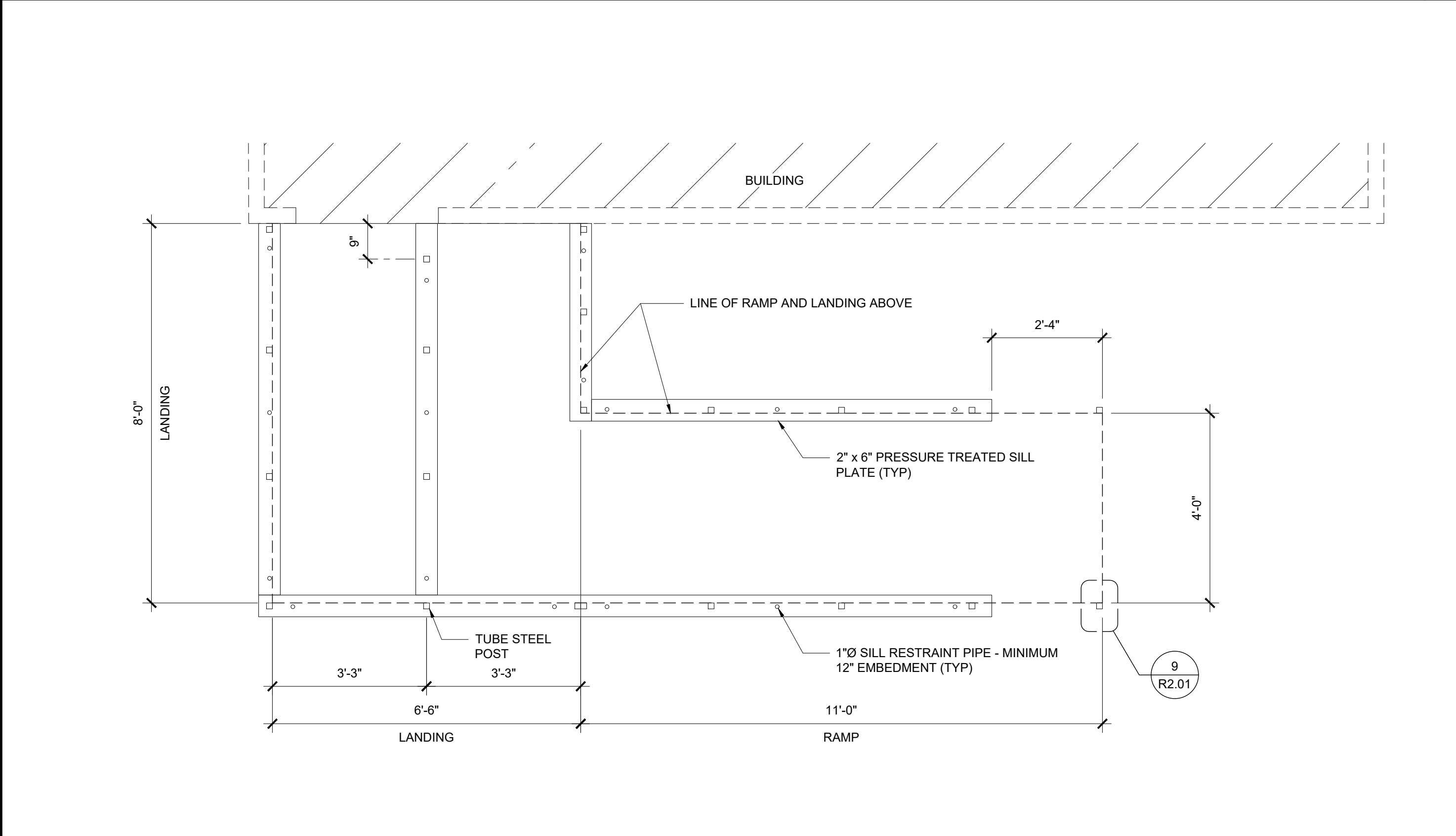
SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-19-2023
P.C. SHEET NUMBER

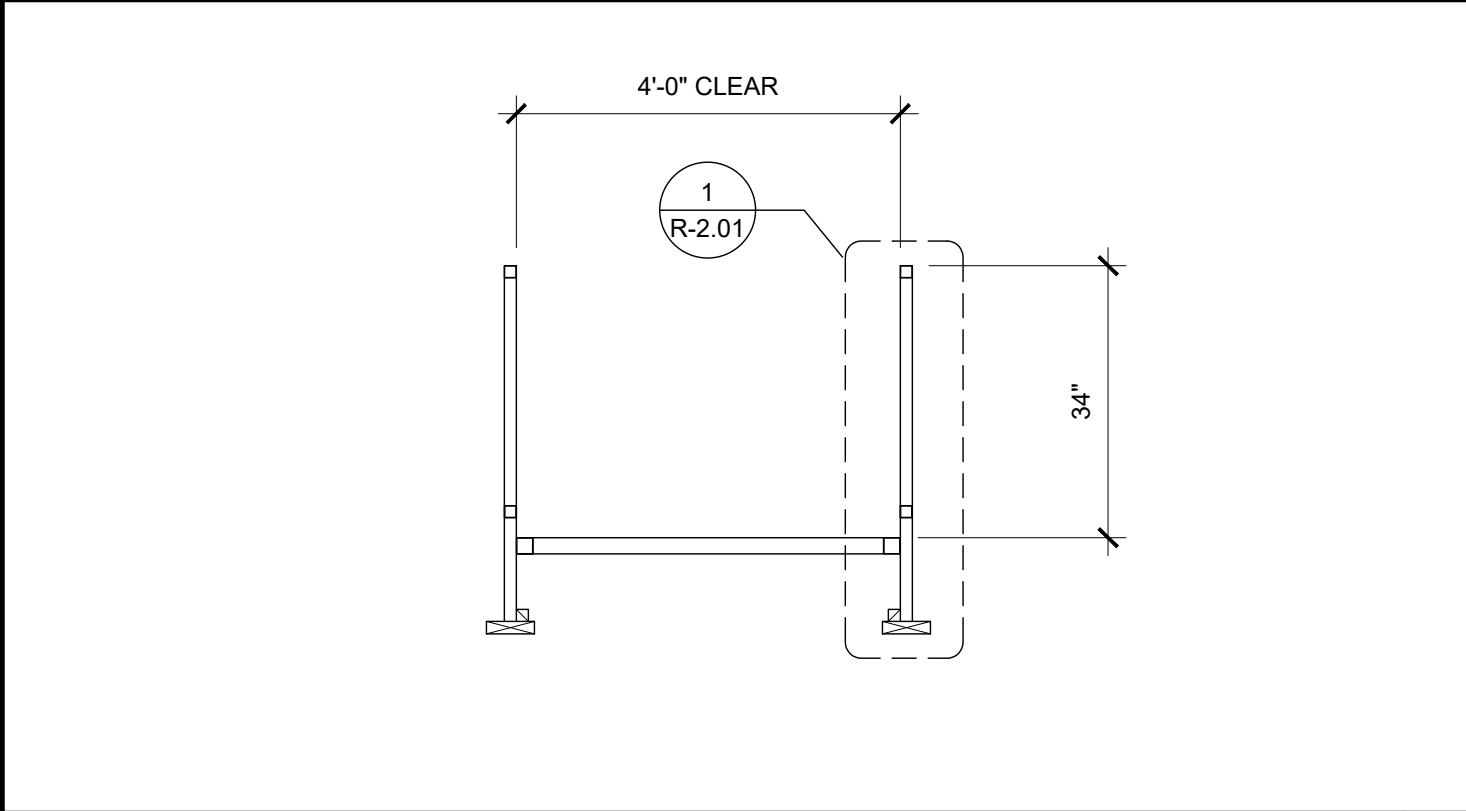
E-1.01



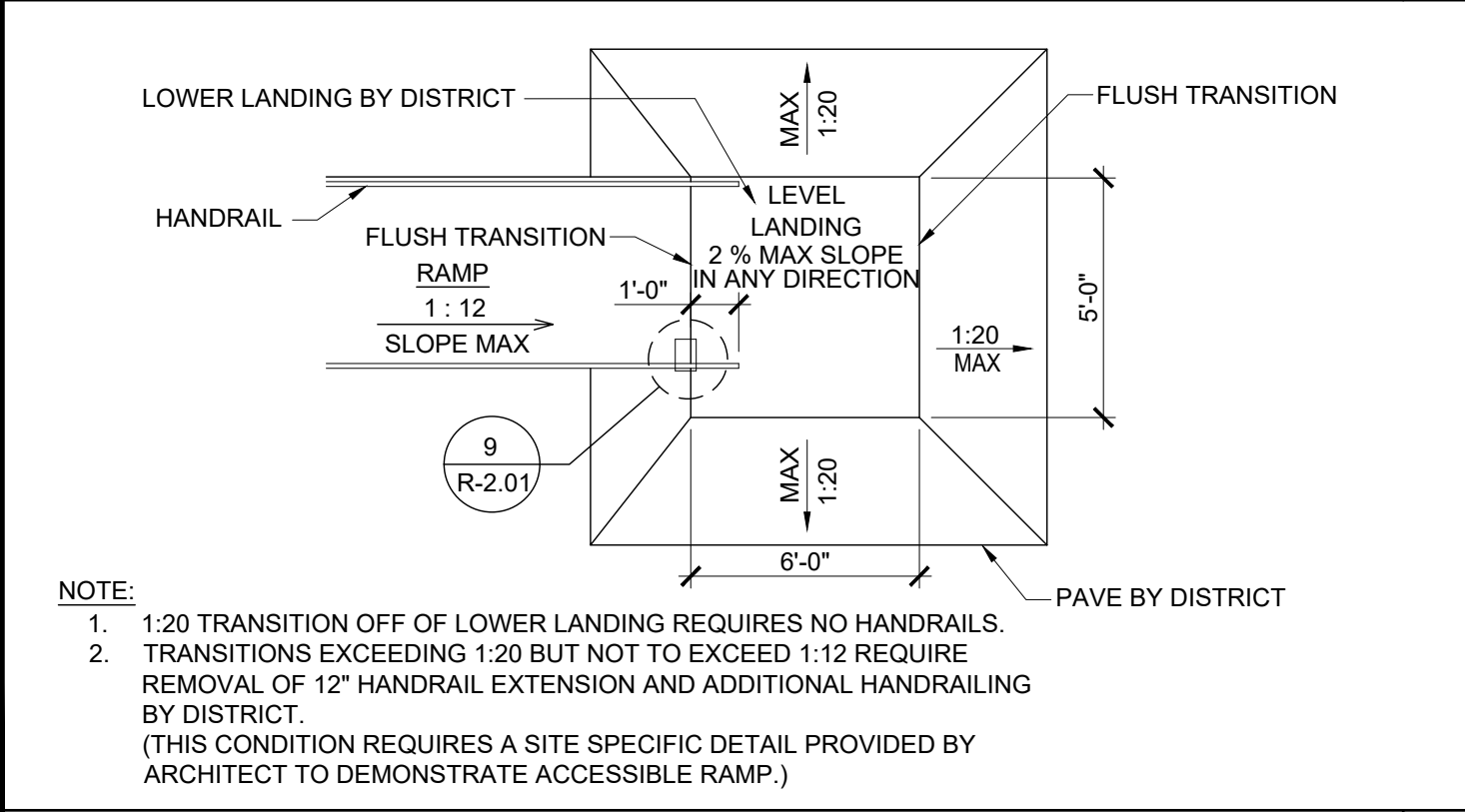
SECTION AT RAMP AND LANDING SCALE : 1/2" = 1'-0" 4



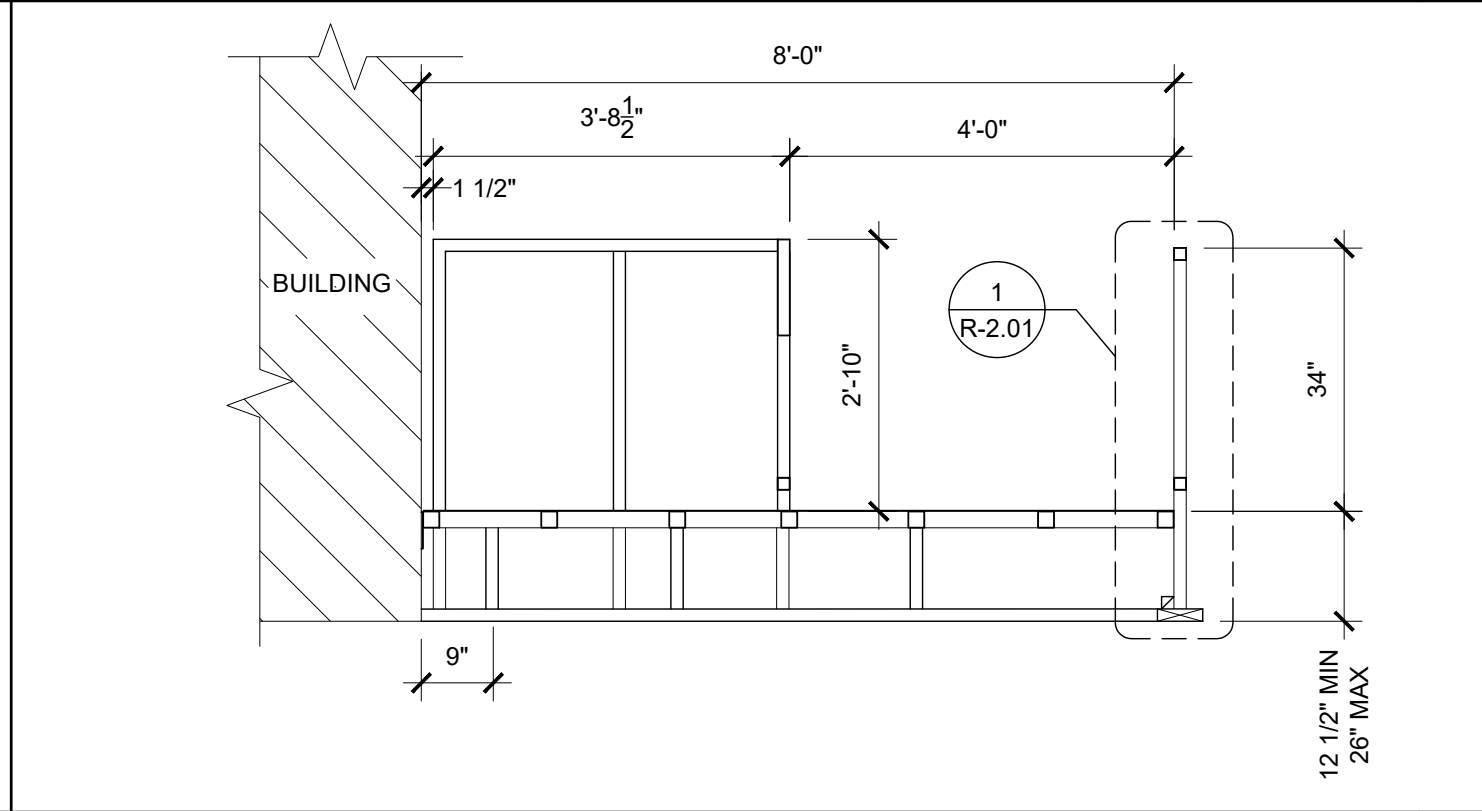
SILL PLAN FOR RAMP AND LANDING SCALE : 1/2" = 1'-0" 5



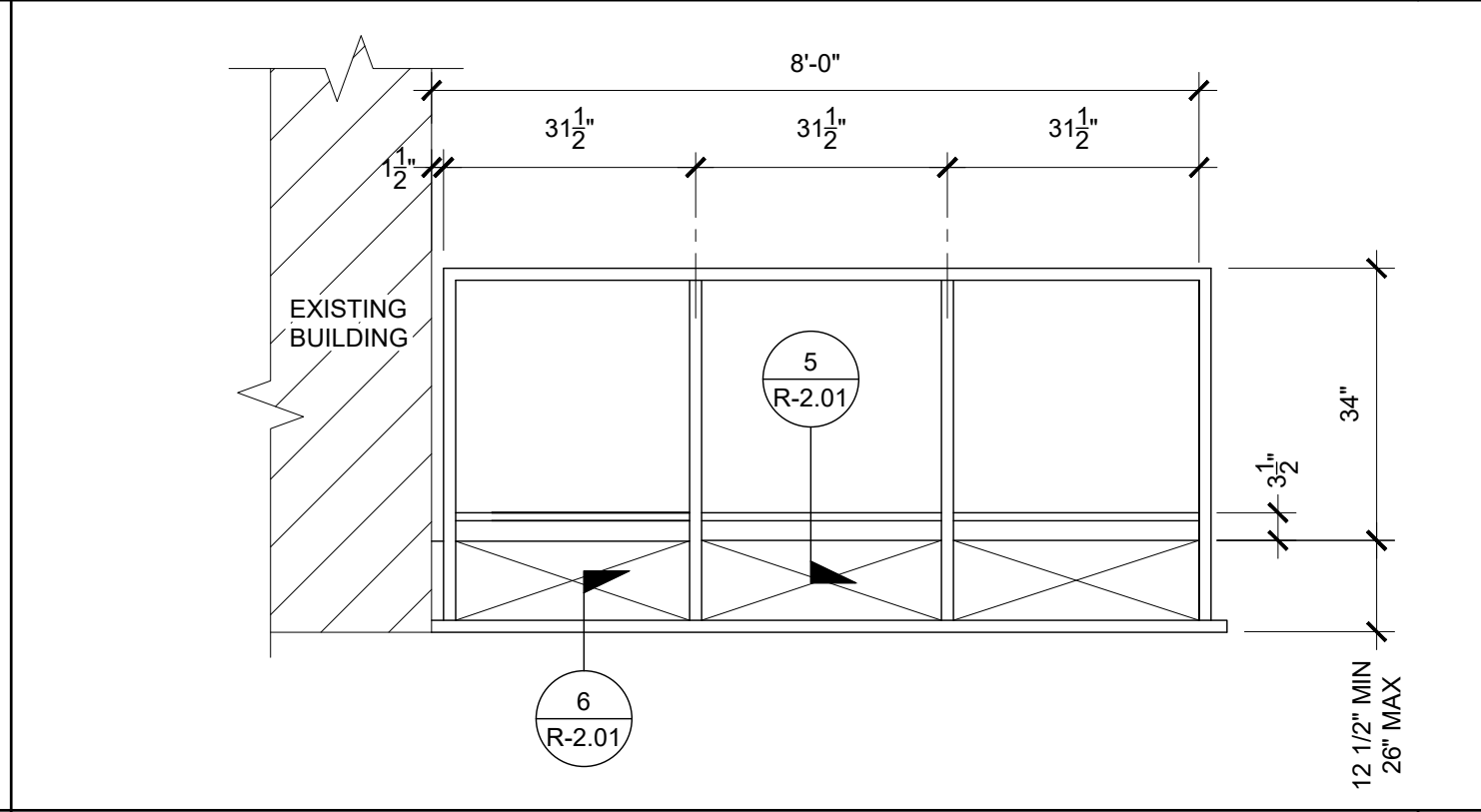
SECTION AT RAMP SCALE : 1/2" = 1'-0" 8



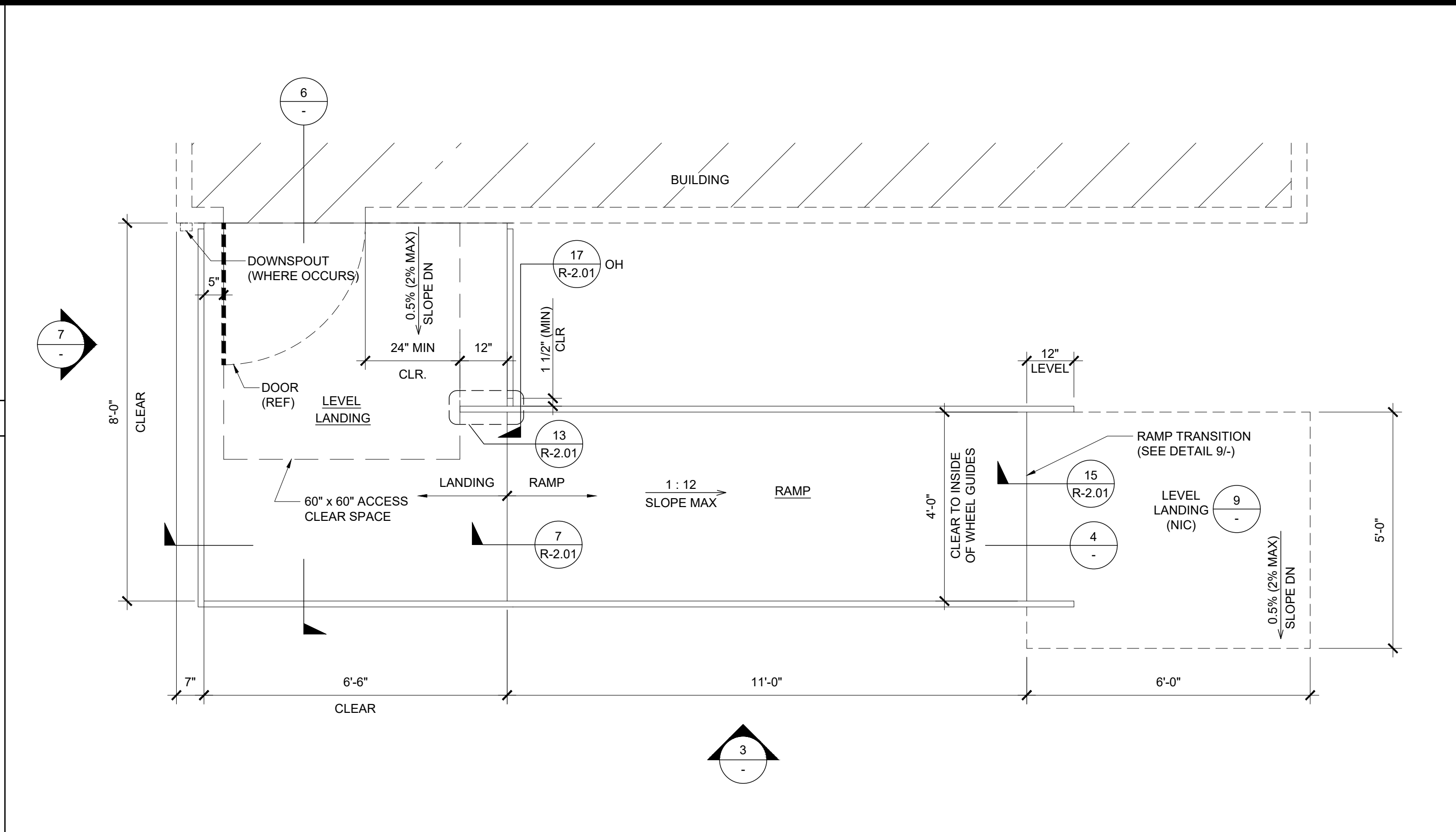
RAMP TRANSITION SCALE: NTS 9



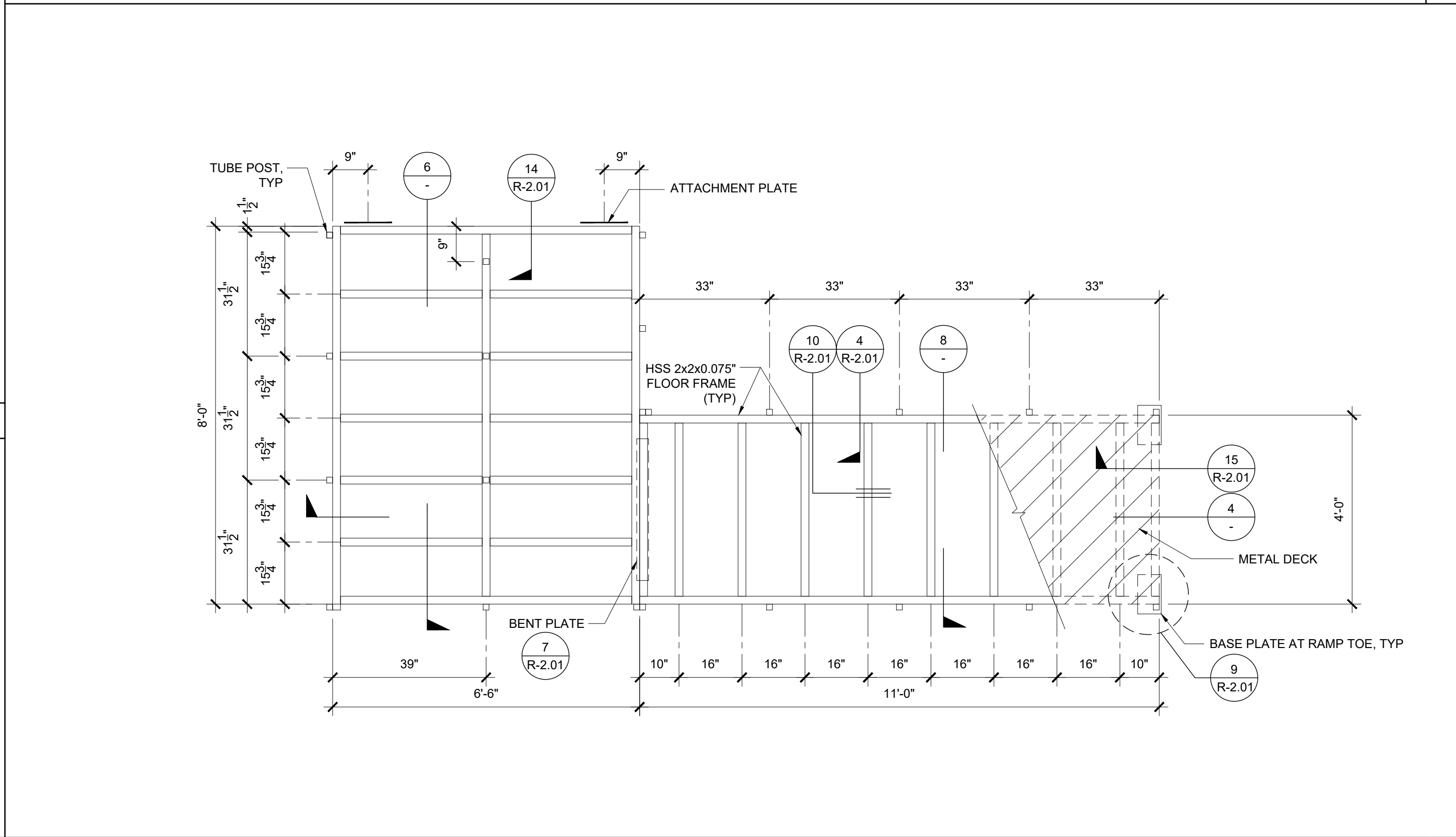
SECTION AT LANDING SCALE : 1/2" = 1'-0" 6



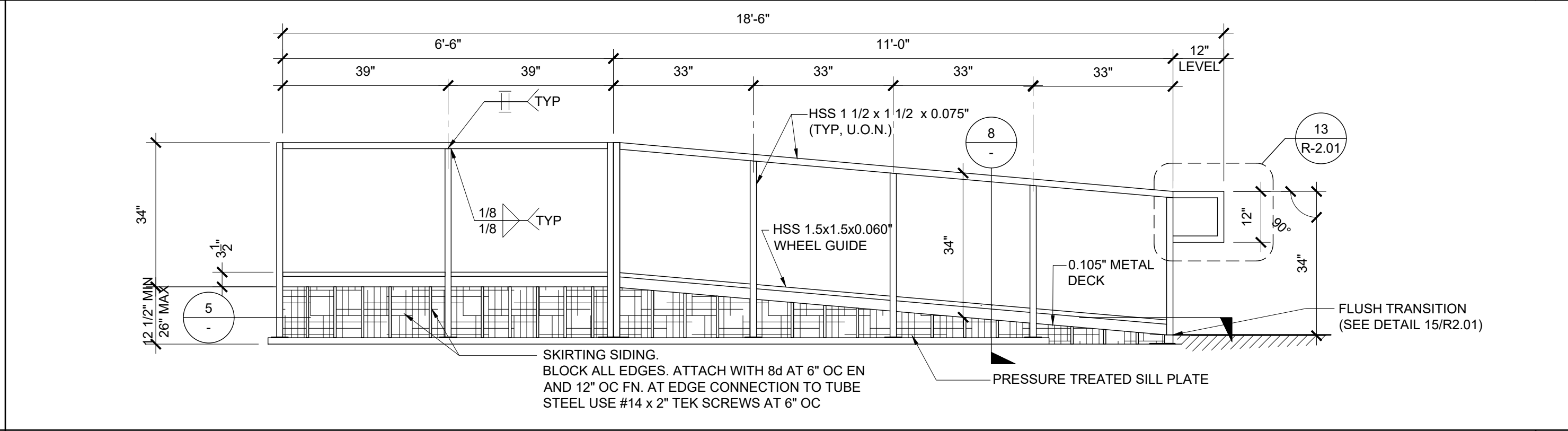
LANDING ELEVATION SCALE : 1/2" = 1'-0" 7



RAMP AND LANDING AT BUILDING SCALE : 1/2" = 1'-0" 1



RAMP FRAMING PLAN SCALE : 1/2" = 1'-0" 2



RAMP AND LANDING ELEVATION SCALE : 1/2" = 1'-0" 3

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

OFFSET RAMP
PLAN

REVISIONS

1	
2	
3	
4	
5	

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122602 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023

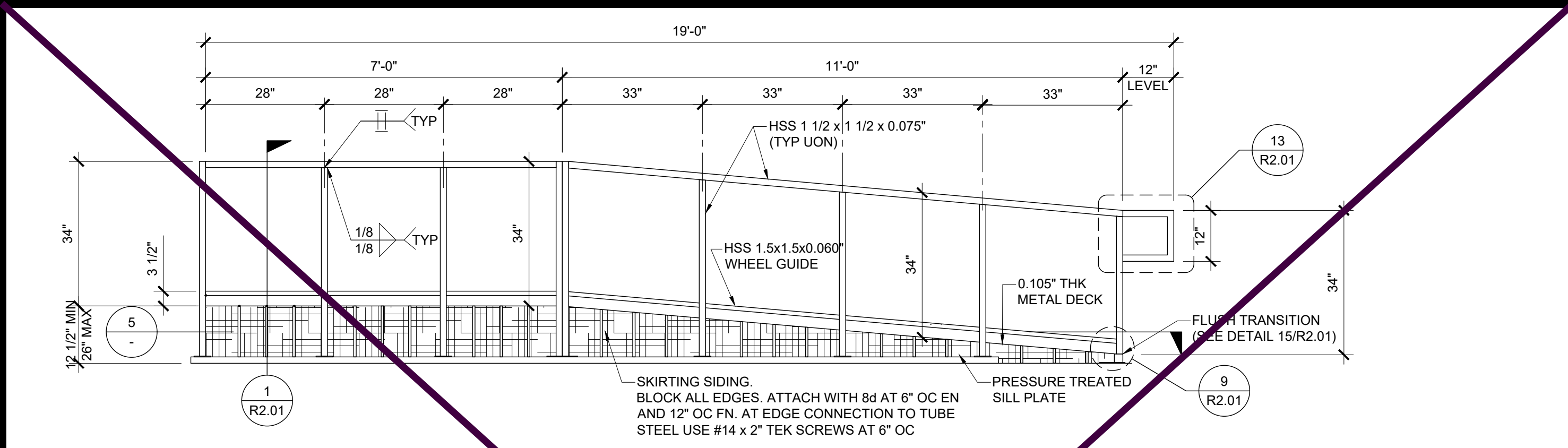
PC STATE AGENCY APPROVAL

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

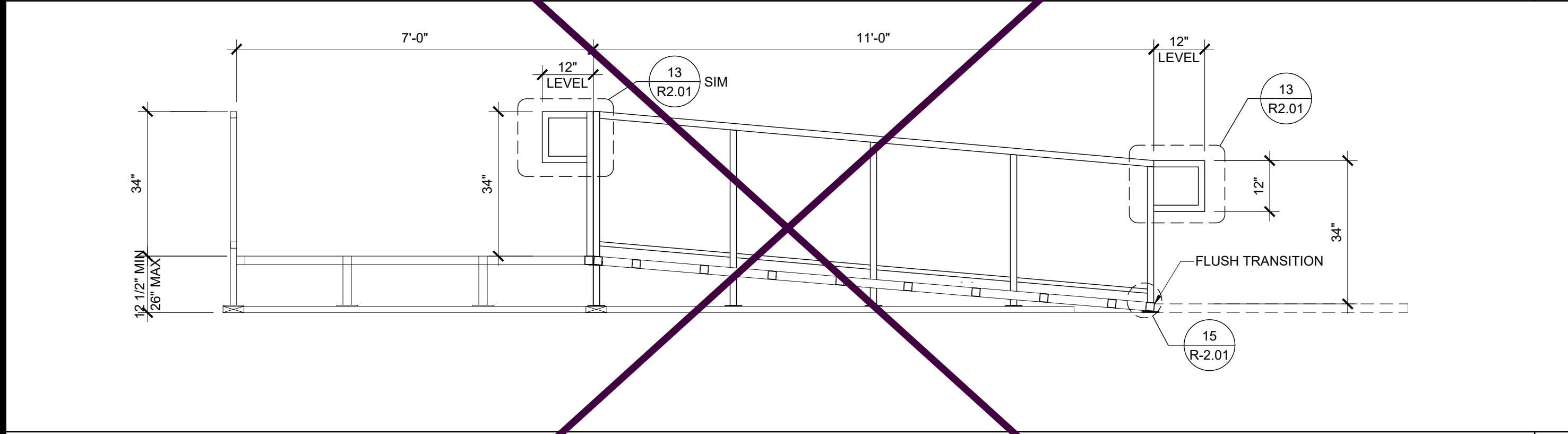
MODULAR BUILDING DESIGN PROFESSIONAL

SILVER CREEK INDUSTRIES
24' x 60' PC
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-19-2023
P.C. SHEET NUMBER

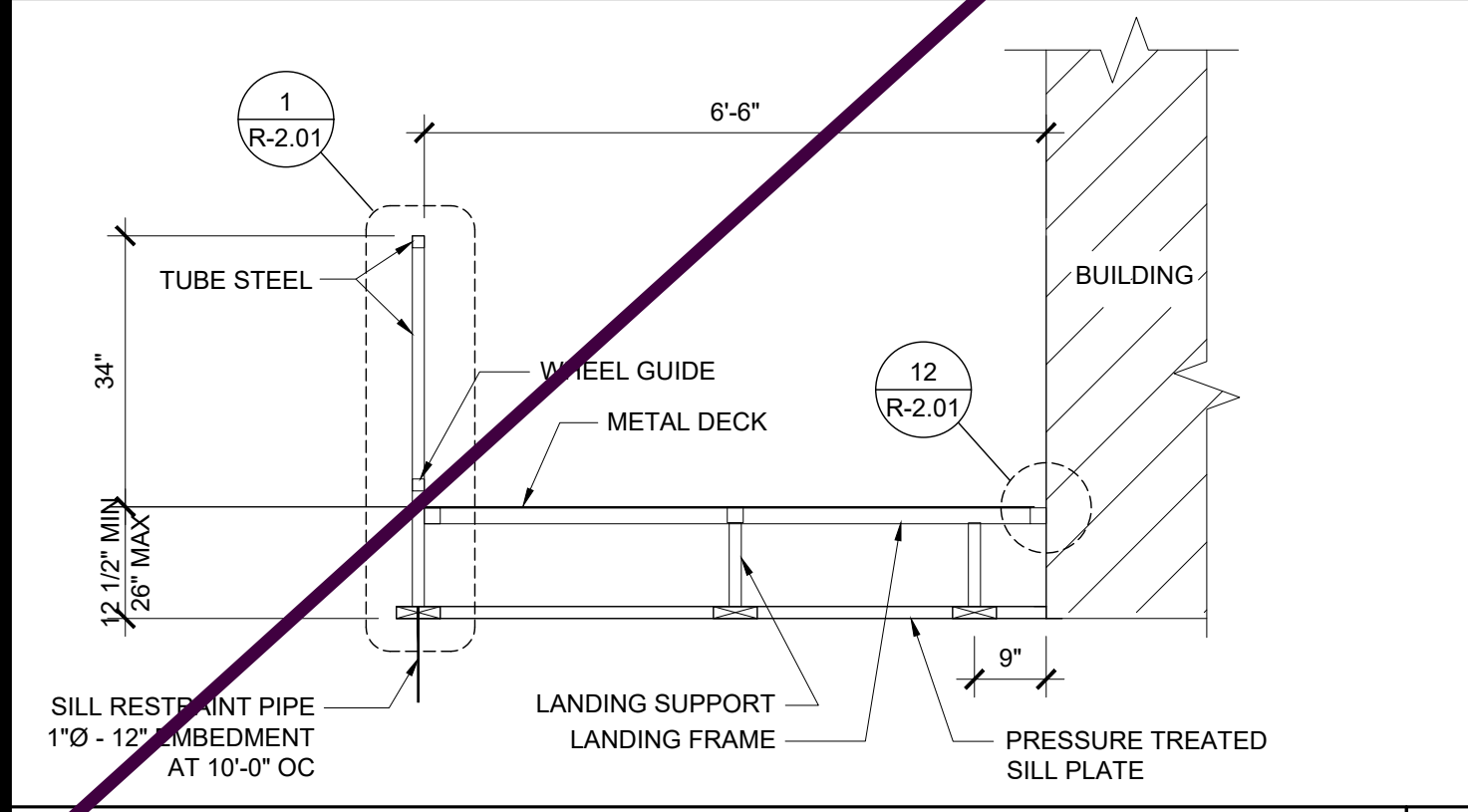
R-1.02



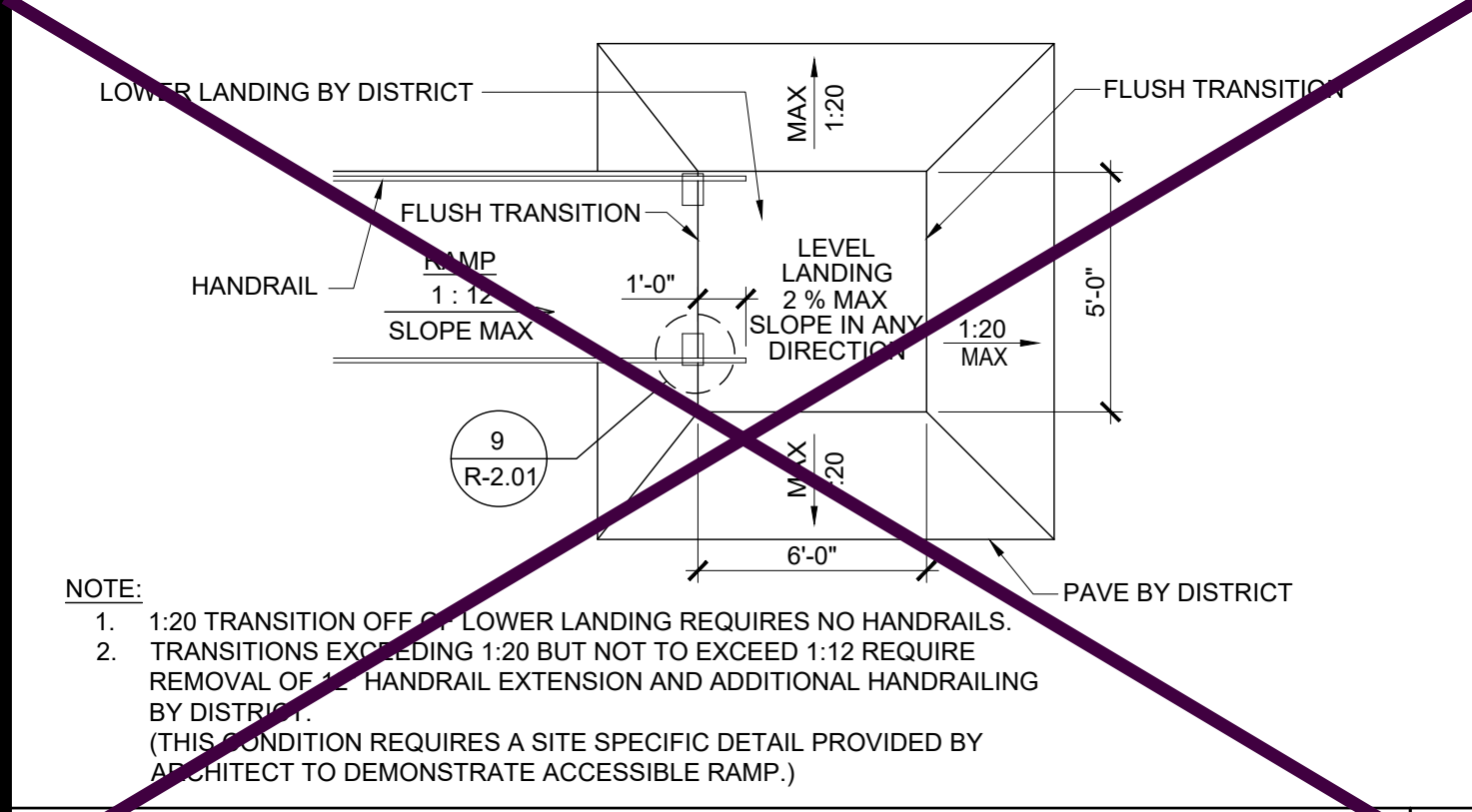
RAMP AND LANDING ELEVATION SCALE : 1/2" = 1'-0" 4



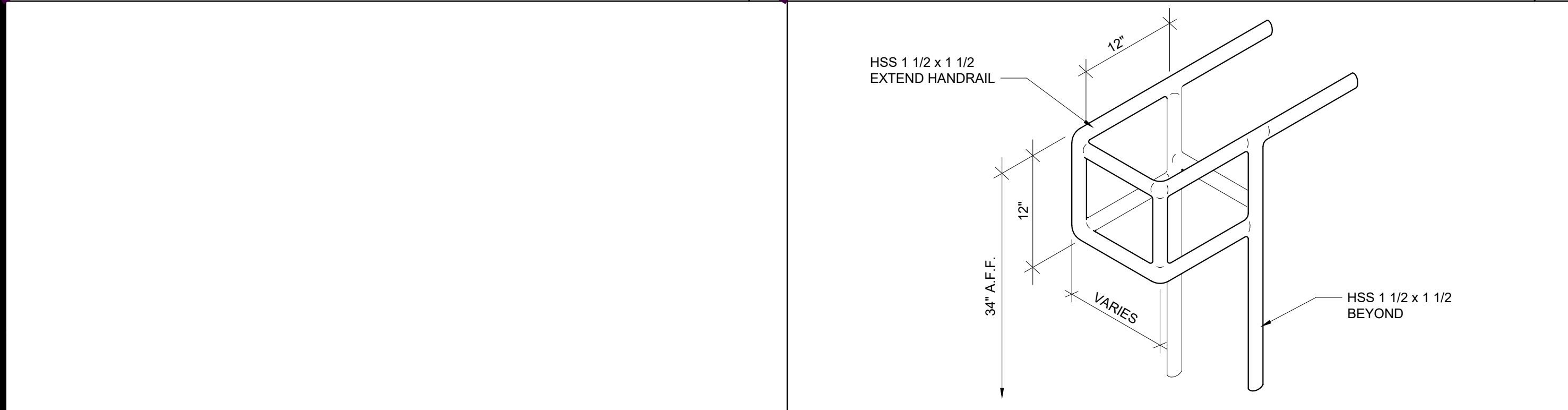
SECTION AT RAMP AND LANDING SCALE : 1/2" = 1'-0" 5



SECTION AT LANDING SCALE : 1/2" = 1'-0" 9

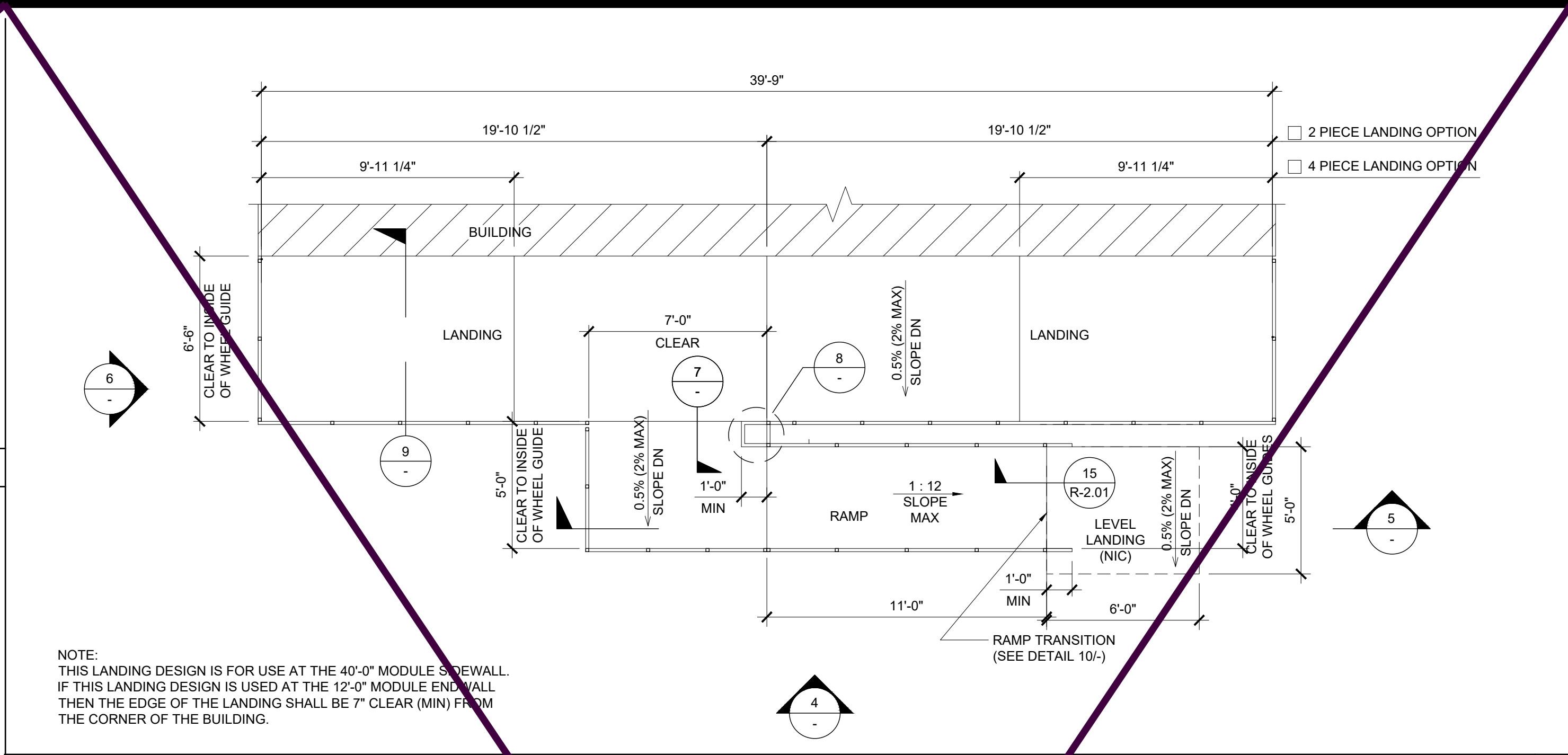


RAMP TRANSITION SCALE: NTS 10

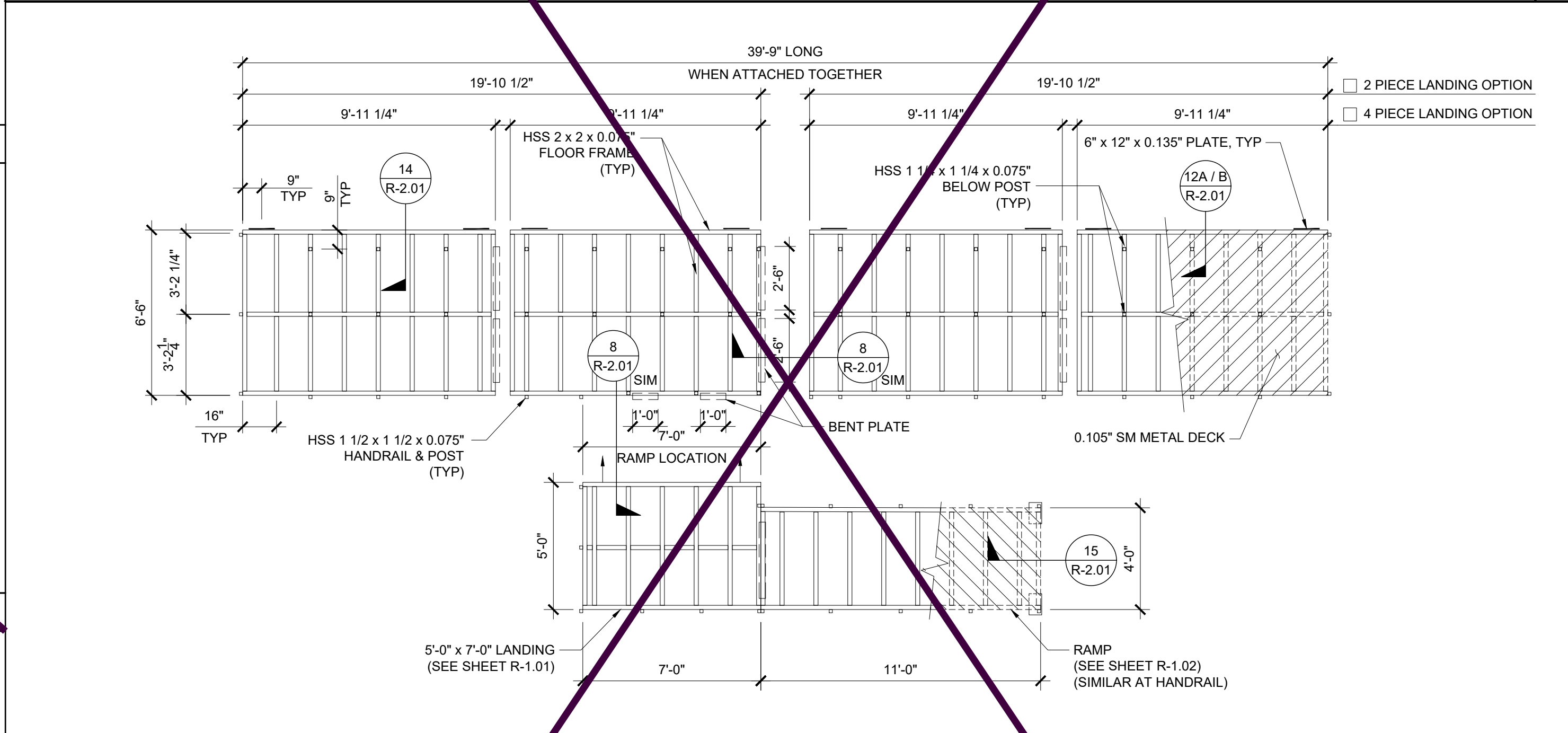


RETURN EXTEND HANDRAIL ELEVATION SCALE : 1" = 1'-0" 7

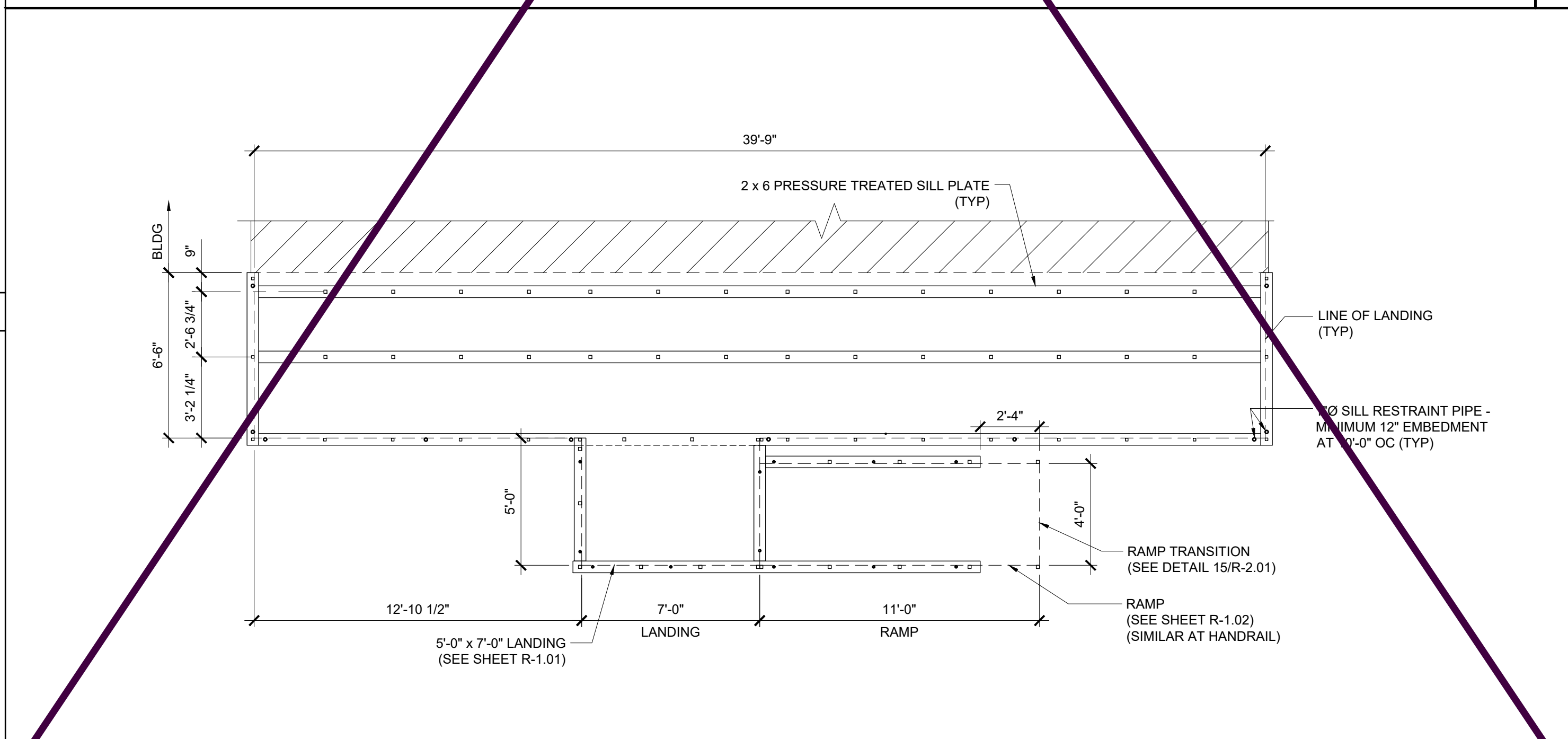
RETURN EXTEND HANDRAIL ISOMETRIC SCALE: NTS 11



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



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



SILL PLAN FOR RAMP AND LANDING SCALE : 1/4" = 1'-0" 3

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

RAMP LANDING

REVISIONS

1
2
3
4
5

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122602 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023

PC STATE AGENCY APPROVAL



Silver Creek

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

MODULAR BUILDING DESIGN PROFESSIONAL
REVISED LANDING TO SHOW 4 PIECES 12/12/2012



SILVER CREEK INDUSTRIES

24' x 60' PC

PROJECT NO:

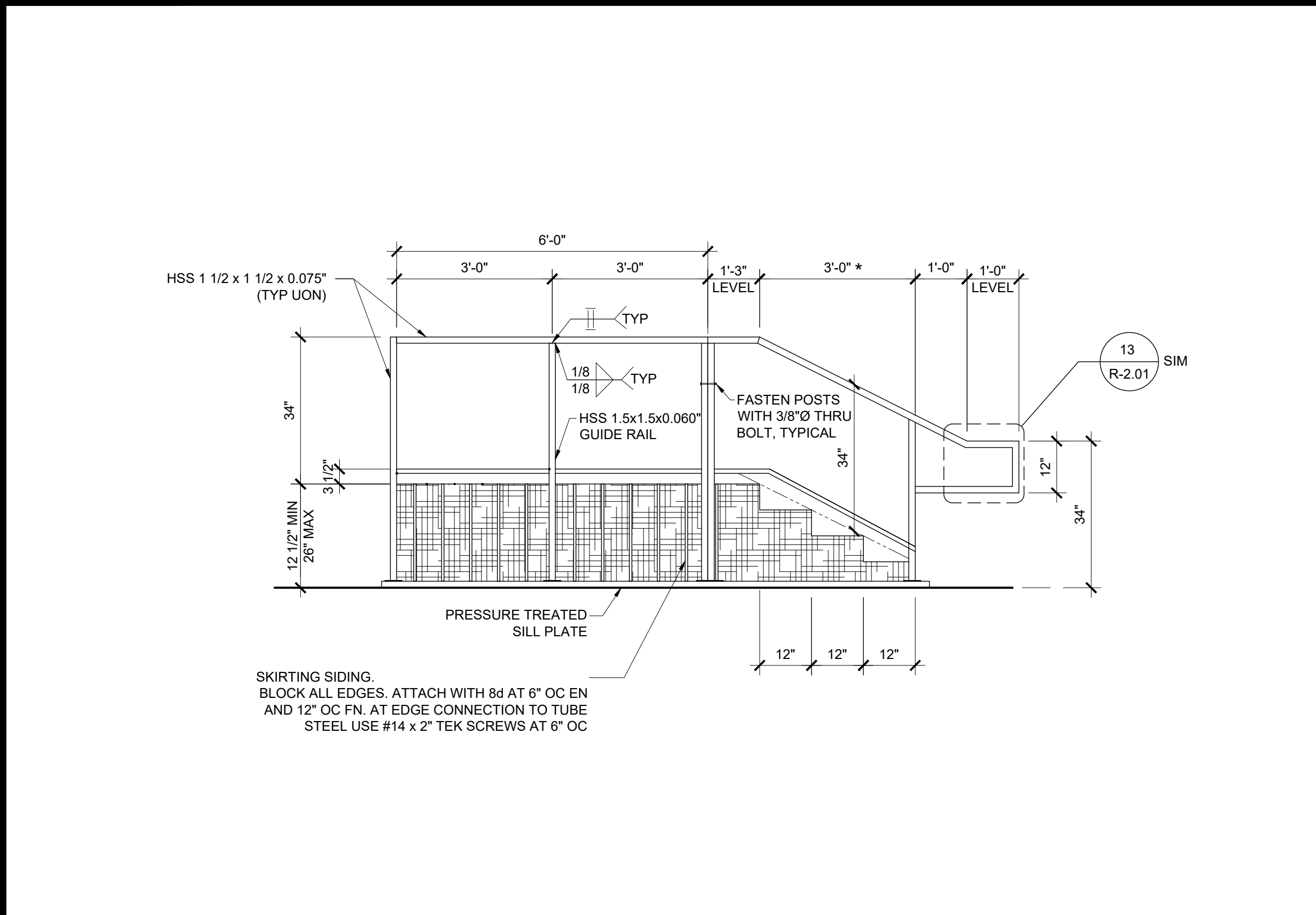
DRAWN BY:

SCALE: AS NOTED

DATE: 09-19-2023

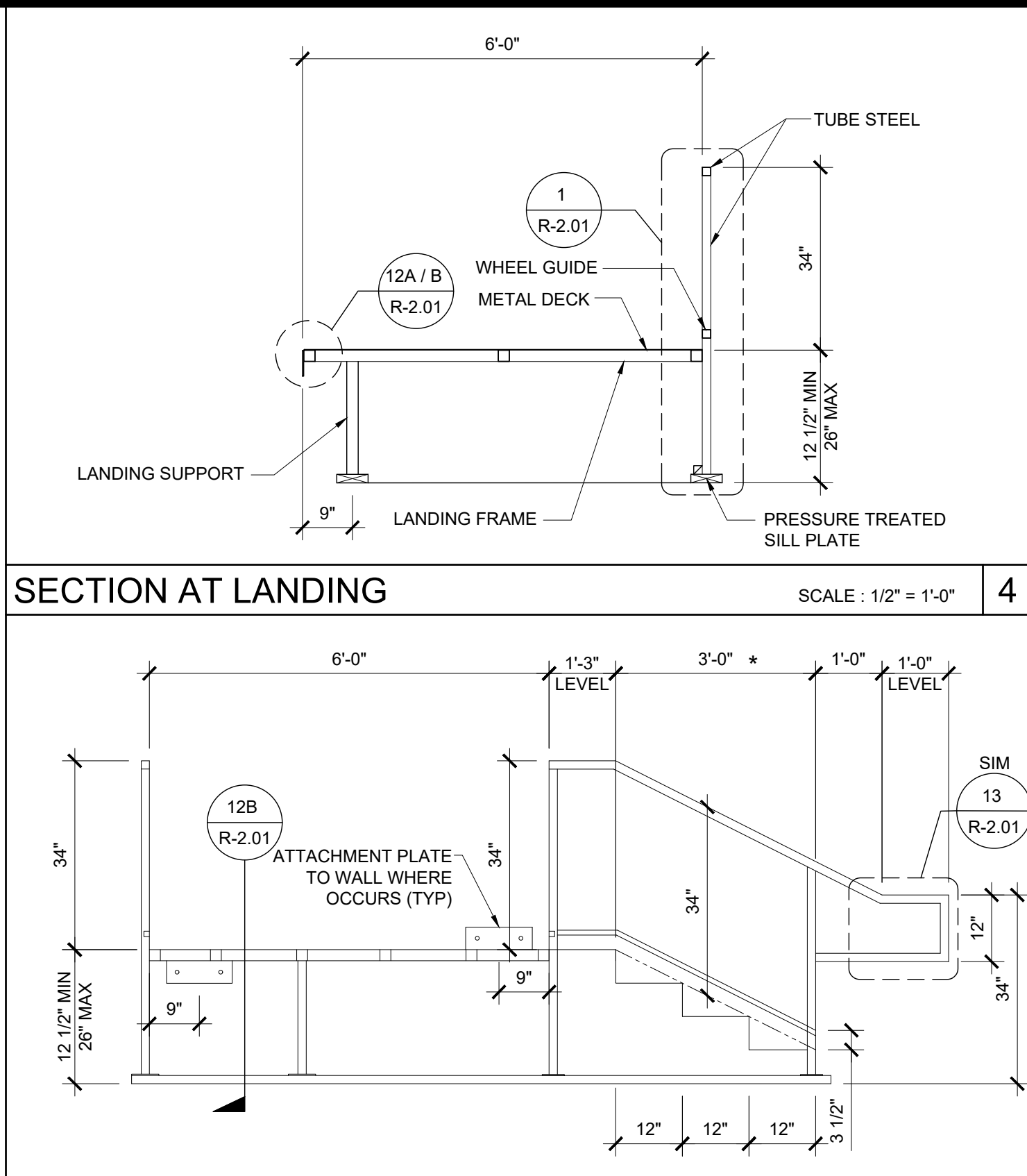
P.C. SHEET NUMBER

R-1.03



STEPS AND LANDING ELEVATION

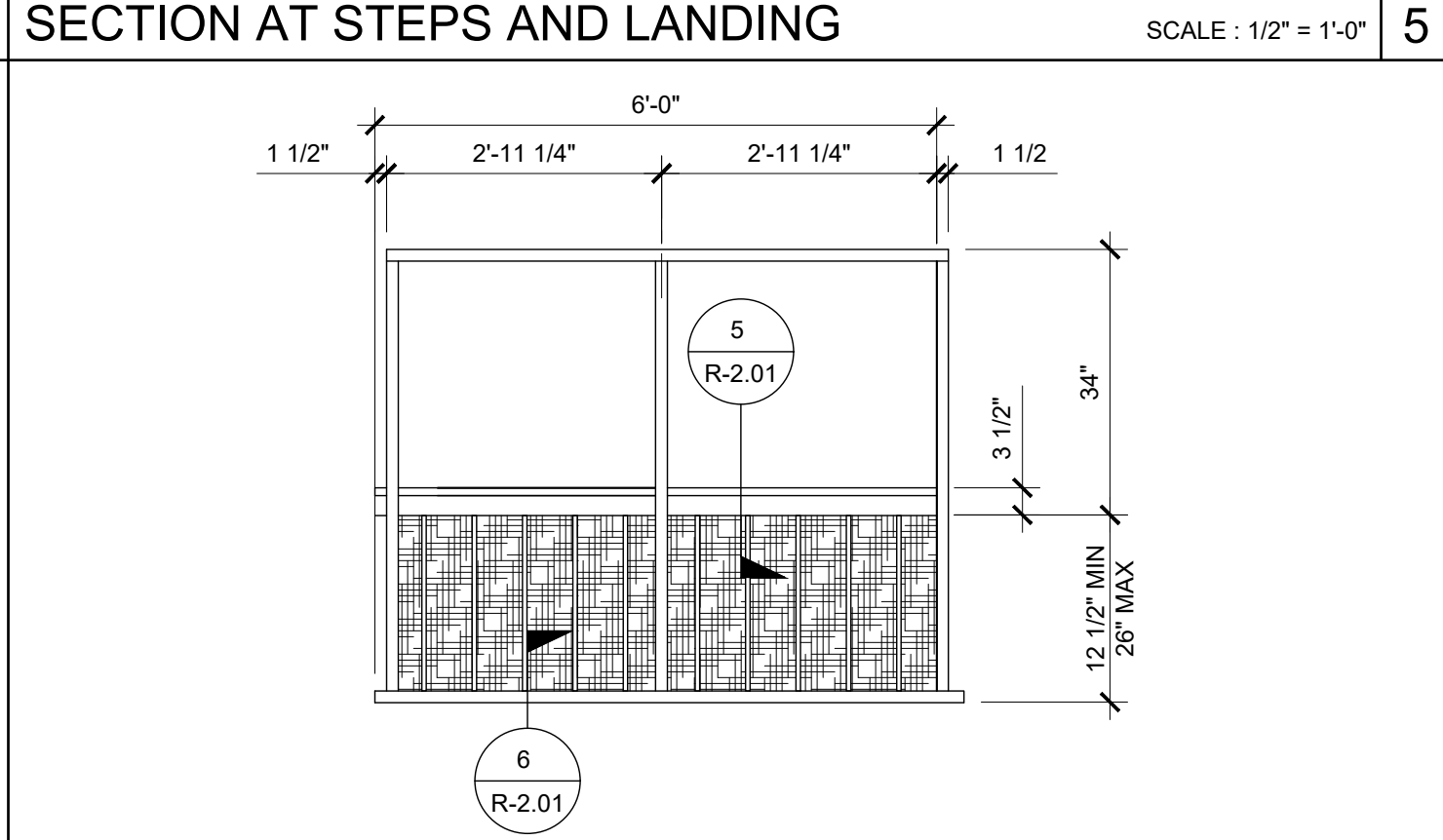
SCALE : 1/2" = 1'-0"



SECTION AT LANDING

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

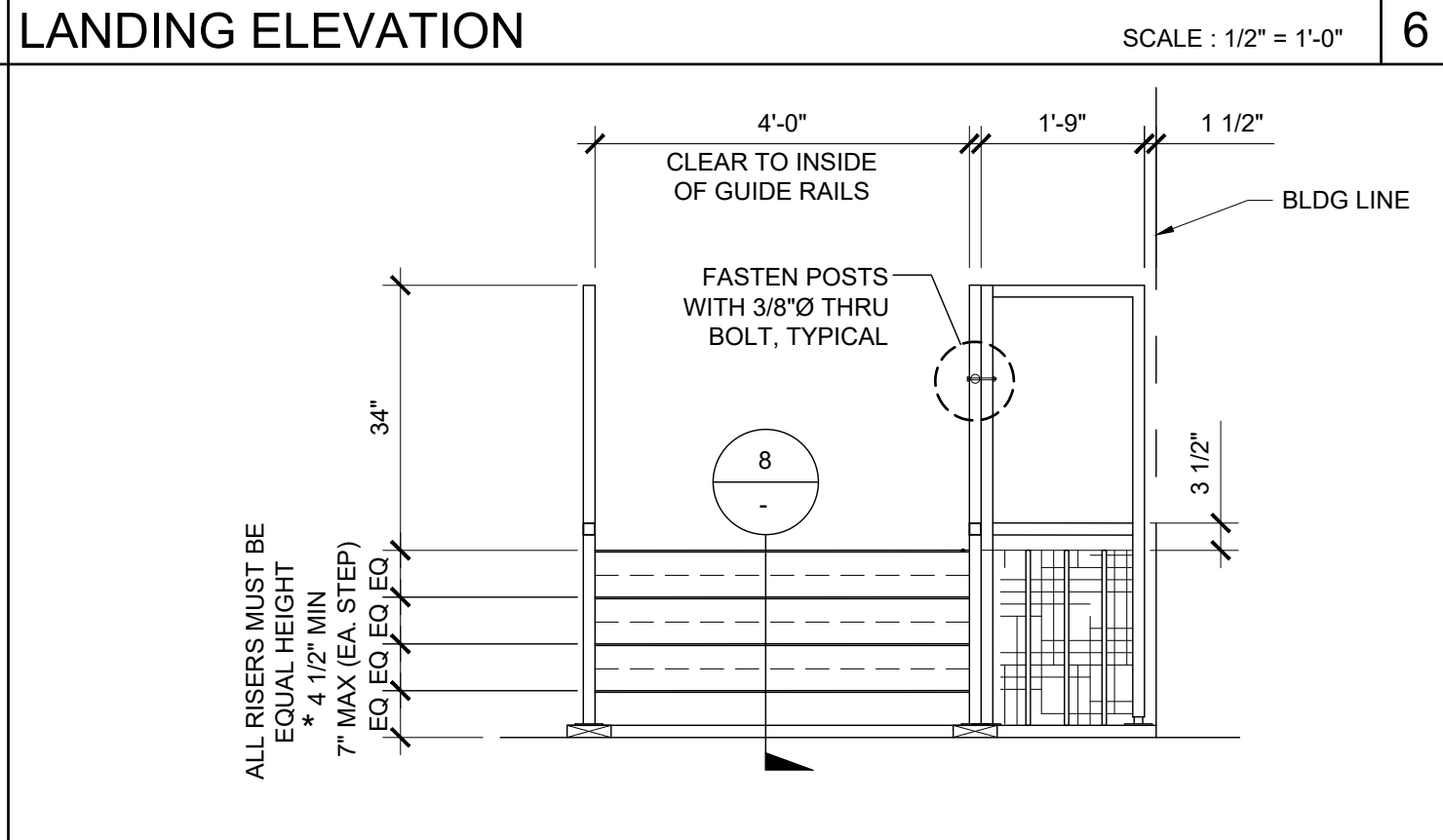
4



SECTION AT STEPS AND LANDING

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

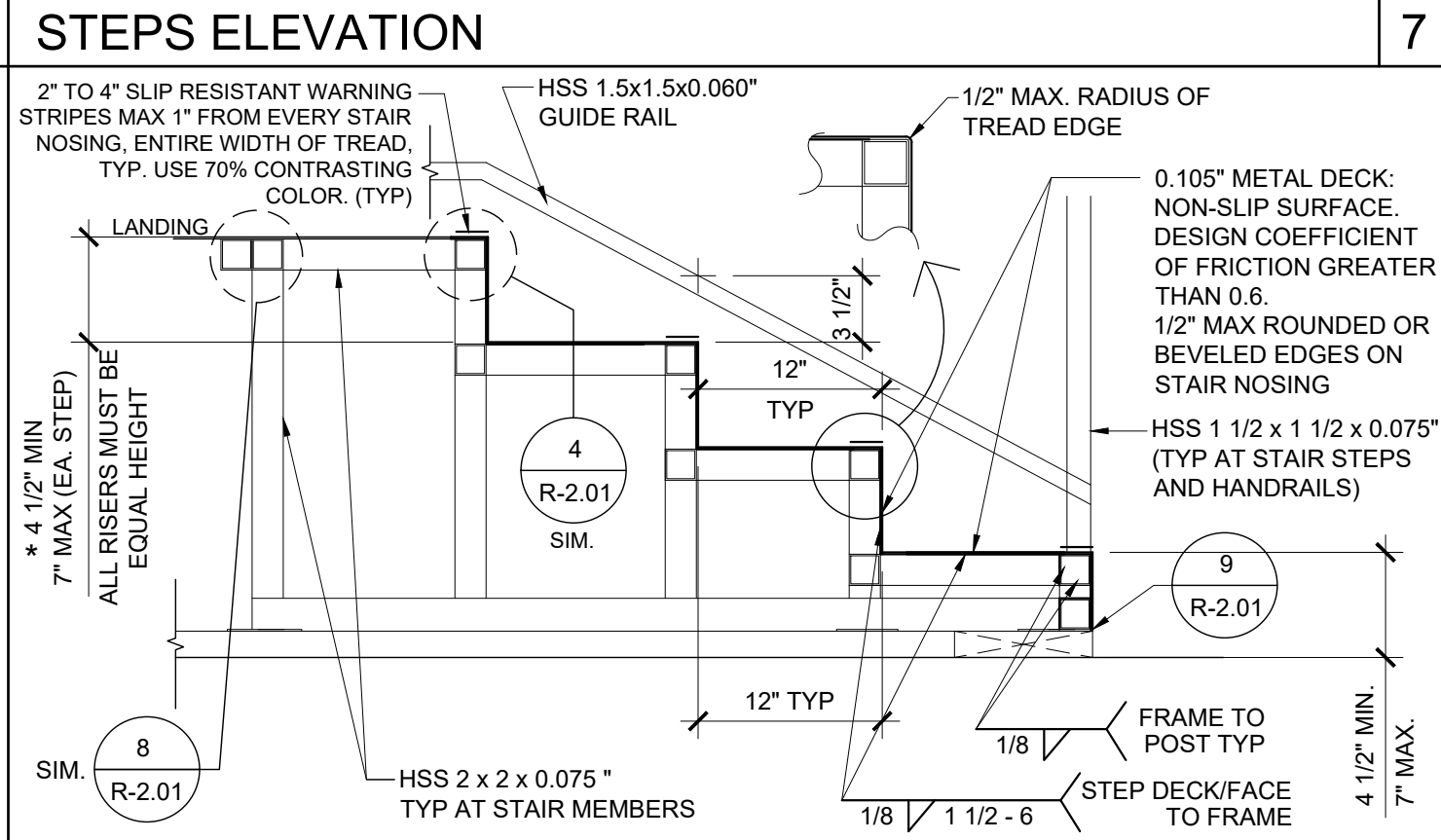
5



LANDING ELEVATION

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

6



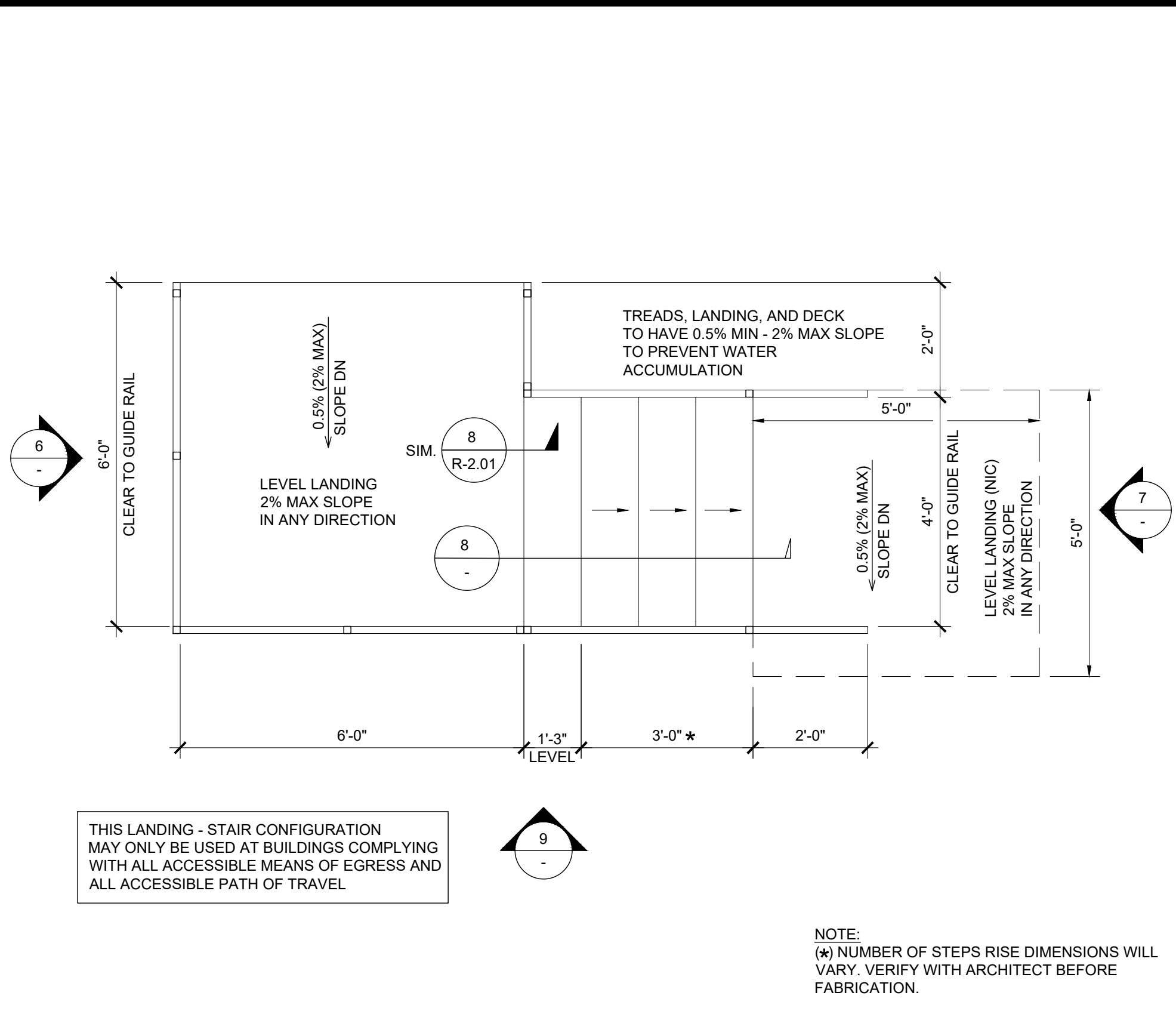
STEPS ELEVATION

7



SECTION AT STEPS

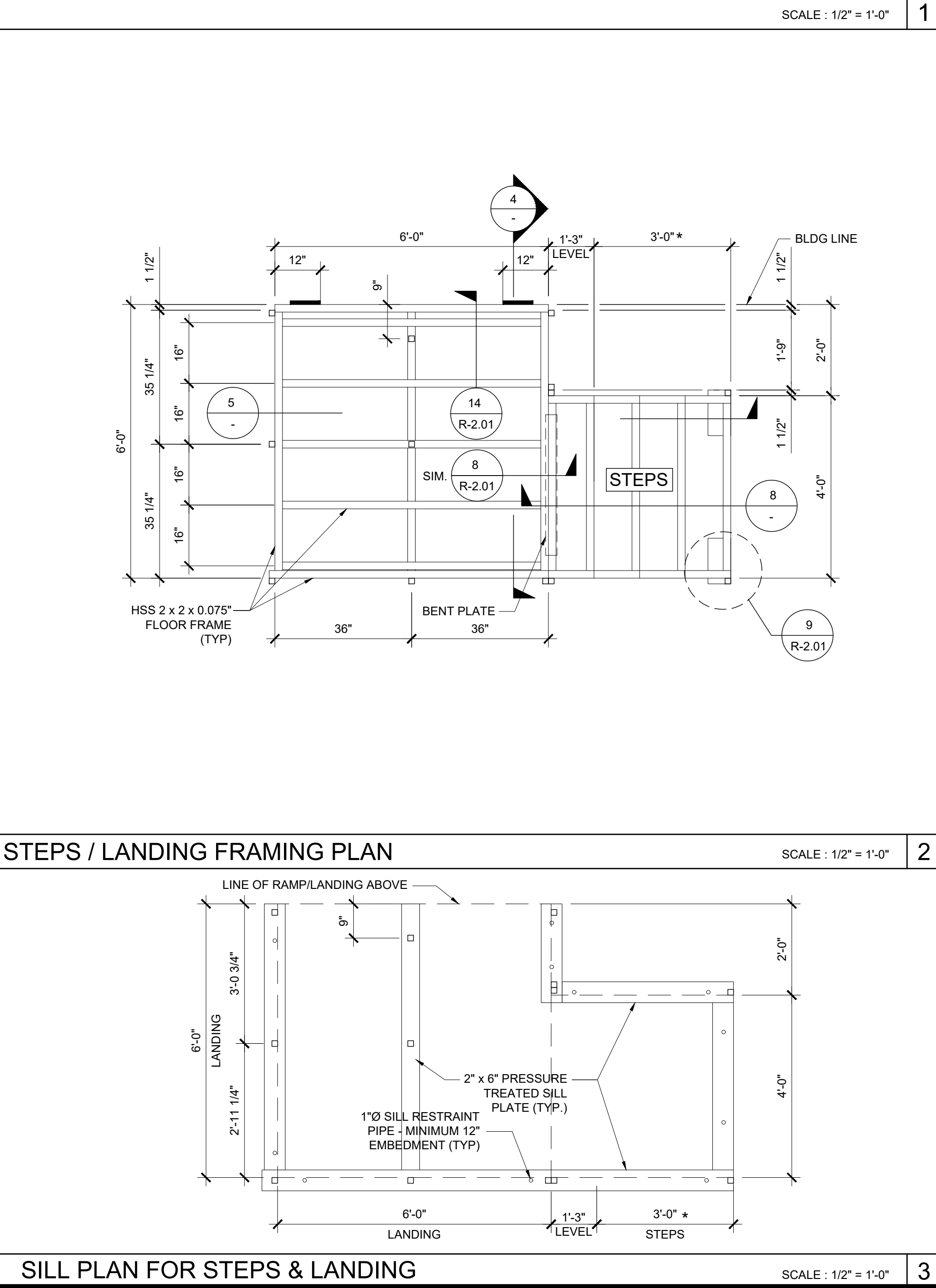
8



THIS LANDING - STAIR CONFIGURATION
MAY ONLY BE USED AT BUILDINGS COMPLYING
WITH ALL ACCESSIBLE MEANS OF EGRESS AND
ALL ACCESSIBLE PATH OF TRAVEL

NOTE:
(*) NUMBER OF STEPS RISE DIMENSIONS WILL
VARY. VERIFY WITH ARCHITECT BEFORE
FABRICATION.

1



SILL PLAN FOR STEPS & LANDING

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

3

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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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:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

STANDARD LANDING
WITH STEPS

REVISIONS

- 1
- 2
- 3
- 4
- 5

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122602 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023

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 60' PC

PROJECT NO:

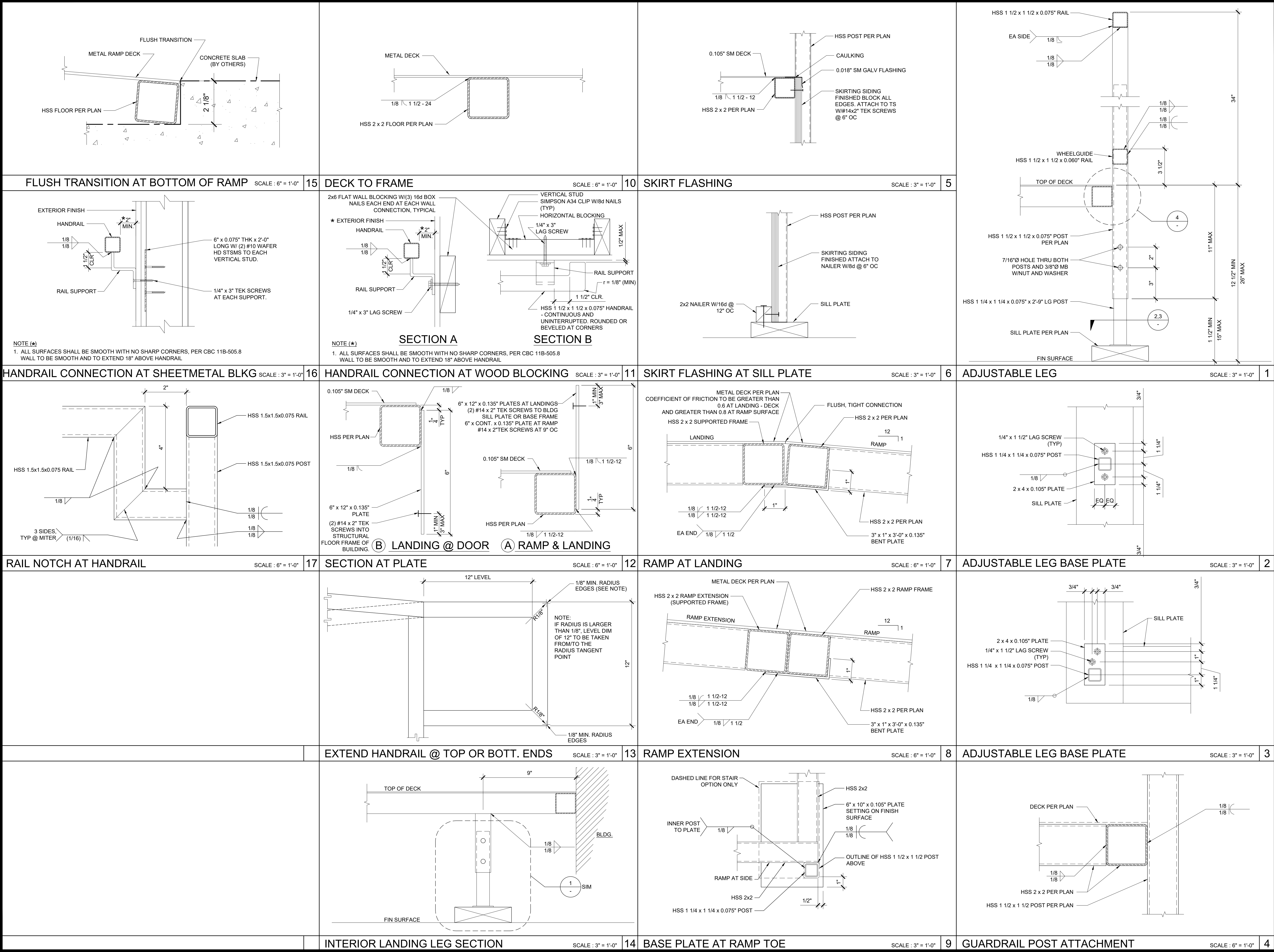
DRAWN BY:

SCALE: AS NOTED

DATE: 09-19-2023

P.C. SHEET NUMBER

R-1.04



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-122646 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 11/26/2025

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

SOUTH SAN FRANCISCO U.S.D.
U.S.D.
SAN FRANCISCO H.S.

SHEET TITLE:

RAMP DETAILS

REVISIONS

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

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122602 PC
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒ CG ☒
DATE: 10/10/2023

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 60' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 09-19-2023
P.C. SHEET NUMBER

R-2.01