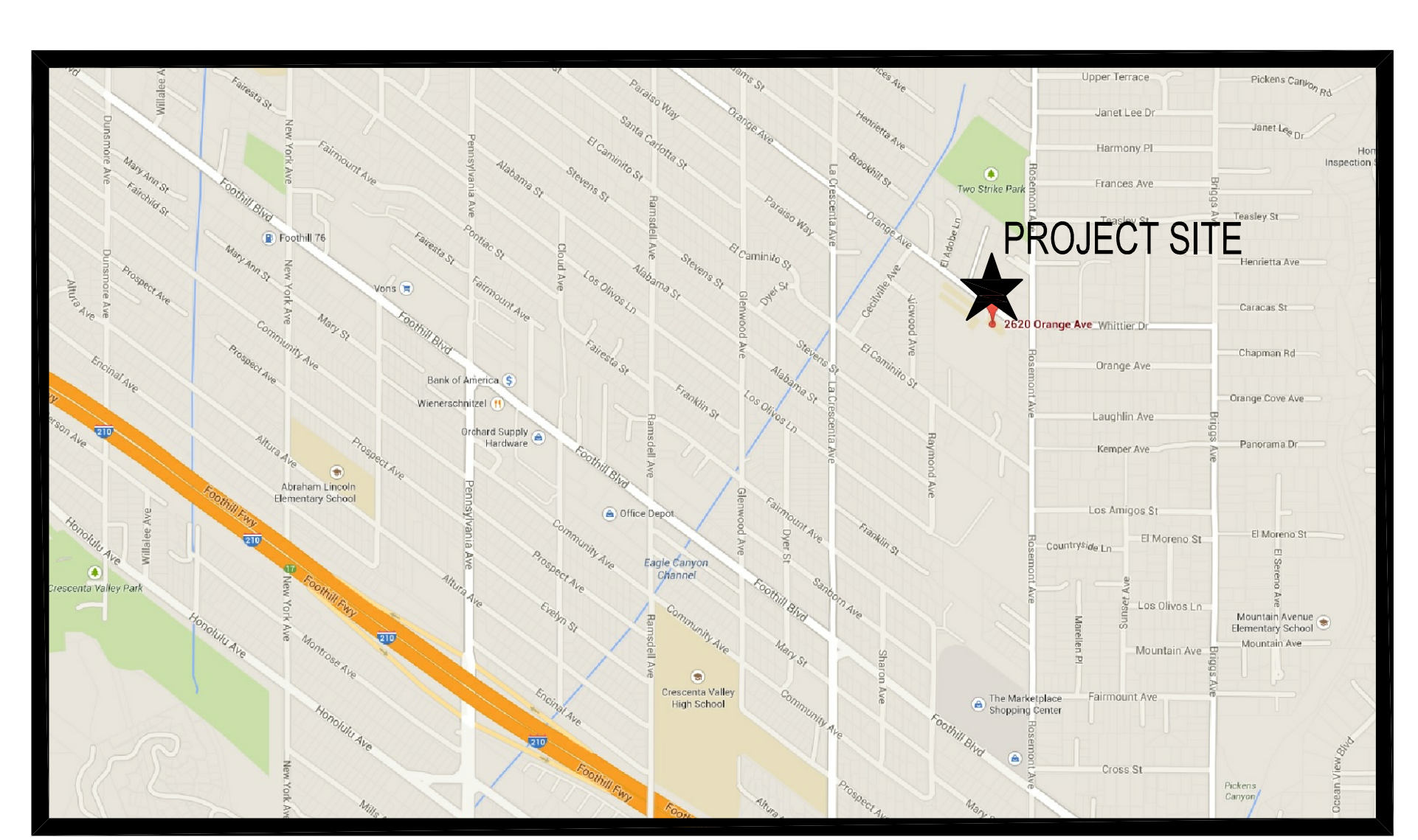


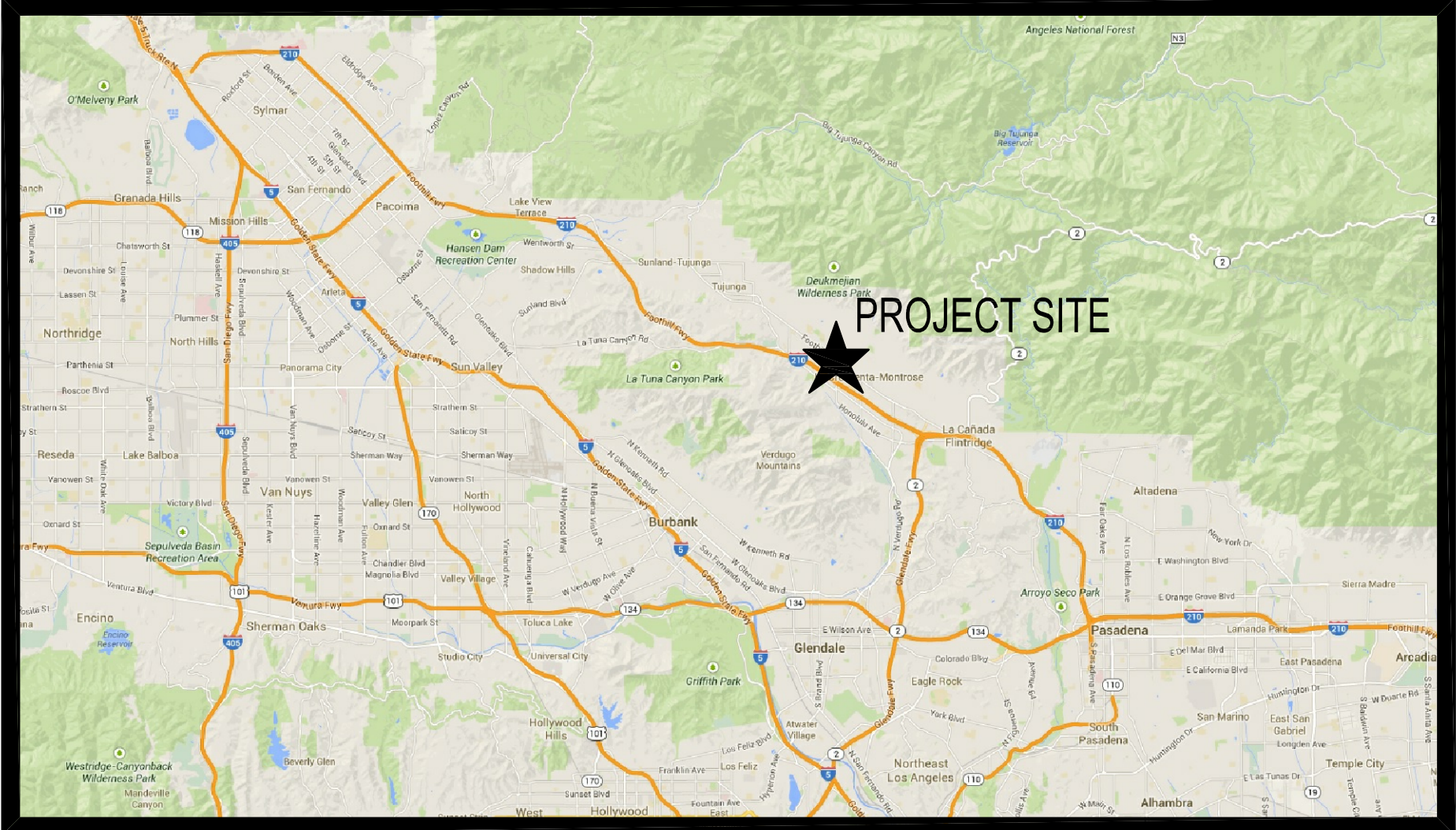
MONTE VISTA ELEMENTARY SCHOOL 2-STORY MODULAR CLASSROOM BUILDING

2620 ORANGE AVENUE, LA CRESCENTA, CALIFORNIA

GLENDALE UNIFIED SCHOOL DISTRICT



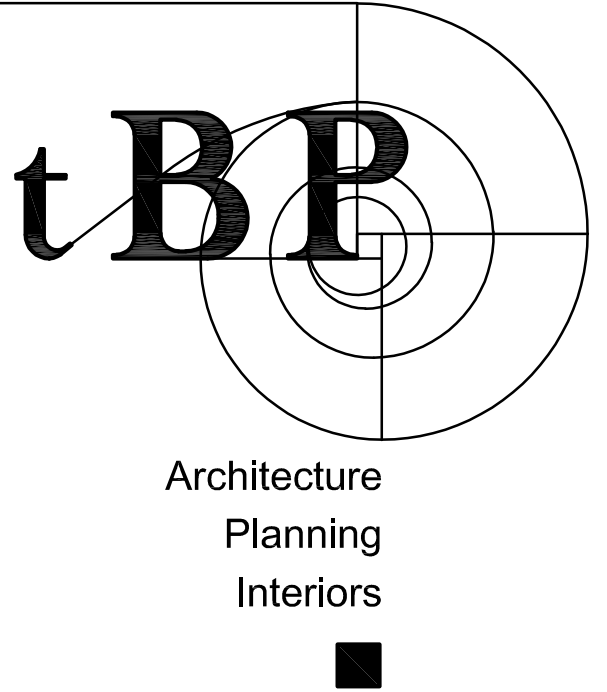
VICINITY MAP



REGIONAL MAP

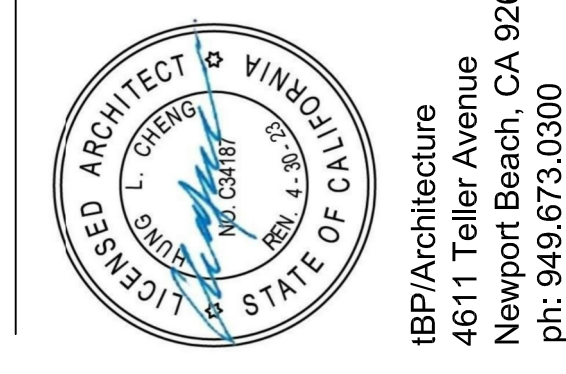
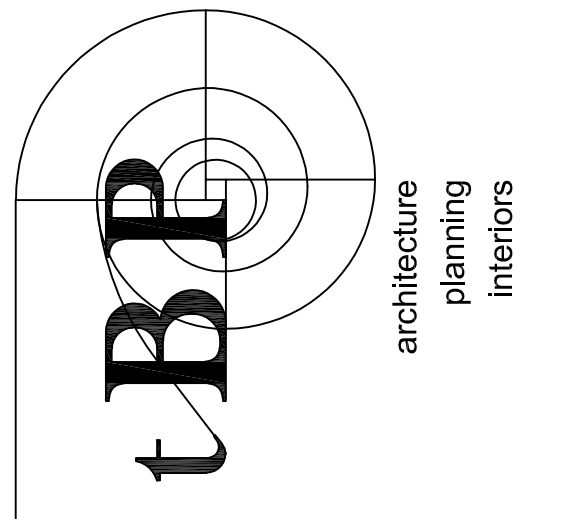
tBP /Architecture

4611 Teller Avenue - Newport Beach - California - 92660
<http://www.tbparchitecture.com>
 ph: 949.673.0300



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-121419 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 09/29/2021

AR 03-121419
 DIVISION OF THE STATE ARCHITECT
 355 S. GRAND AVE. SUITE 2100
 LOS ANGELES, CA 90071
 ph: 213.897.3995 fx: 213.897.3159/0726 agency



tBP/Architecture
 4611 Teller Avenue
 Newport Beach, CA 92660
 ph: 949.673.0300
 architect

MONTE VISTA ELEMENTARY SCHOOL
 2-STORY MODULAR CLASSROOM BUILDING
 GLENDALE UNIFIED SCHOOL DISTRICT
 2620 ORANGE AVENUE
 LA CRESCENTA, CALIFORNIA 91214
 owner

tBP project number : 21056.01

file name:

drawn by: checked by:

date: SEPTEMBER 22, 2021

Rev. date: description:

Rev.	date:	description:

THE DRAWING AND THE DESIGN, SPECIFICATIONS, DETAILS AND OTHER INFORMATION CONTAINED HEREIN CONSTITUTE UNPUBLISHED WORK OF ARCHITECTURE AND SHALL REMAIN THE PROPERTY OF ARCHITECTURE IN PERPETUITY. NO PART THEREOF SHALL BE REPRODUCED, DISCLOSED, DISTRIBUTED, SOLD, RENTED OR OTHERWISE USED IN ANY WAY WITHOUT THE ADVANCED EXPRESS WRITTEN CONSENT OF ARCHITECTURE.

drawing title:

COVER SHEET

drawing no.:

T-1

drawing of

ABBREVIATIONS

Table of abbreviations with columns for symbol, description, and unit. Includes terms like AND, ANGLE, AT, CENTERLINE, DIAMETER OR ROUND, etc.

APPLICABLE CODES

Table listing applicable codes as of January 1, 2020. Includes California Administrative Code (CAC), California Building Code (CBC), California Fire Code (CFC), etc.

Statement of General Conformance
FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

The drawings or sheets listed on the cover or index sheet (marked by asterisk (*))
This drawing, page of specifications/calculations
have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state.

Form for finding that all drawings or sheets listed on the cover or index sheet, marked with an asterisk (*) are in general conformance with the project design, and has been coordinated with the project plans and specifications.

SUMMARY OF WORK

THIS PROJECT CONSISTS OF INSTALLATION OF (1) 2-STORY MODULAR CLASSROOM BUILDING, (1) 12'-6" X 40'-6" SHADE STRUCTURE, AND (1) MODULAR ELEVATOR (PC 03-116291).

GENERAL NOTES

ALL WORK TO CONFORM TO 2019 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CHANGE ORDERS APPROVED BY THE DIVISIONS OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

PROJECT DIRECTORY

OWNER: GLENDALE UNIFIED SCHOOL DISTRICT
ARCHITECT: tBP/ARCHITECTURE
LANDSCAPE ARCHITECT: SILVER BAR STUDIO

STRUCTURAL ENGINEER: VCA ENGINEERS, INC.
MECHANICAL, PLUMBING, AND FIRE SPRINKLER ENGINEER: POCOCK DESIGN SOLUTIONS

ELECTRICAL ENGINEER: FBA ENGINEERING
MODULAR BUILDING ARCHITECT: AMERICAN MODULAR SYSTEMS

MODULAR BUILDING STRUCTURAL ENGINEER: RAS TAVARES ASSOCIATES INC.
MODULAR BUILDING FIRE SPRINKLER: D&B FIRE PROTECTION, INC.

SHEET INDEX

(TOTAL NUMBER OF SHEETS = 124)

GENERAL (4 SHEETS)
T-1 COVER SHEET
T-2 SHEET INDEX, GENERAL NOTES AND SYMBOLS

* SURVEY (1 SHEETS)
TS-1 TOPOGRAPHIC SURVEY (FOR REFERENCE ONLY)

* CIVIL DRAWINGS (7 SHEETS)
C000 GROUND PLAN TITLE SHEET
C001 DEMOLITION PLAN

* LANDSCAPE DRAWINGS (2 SHEETS)
L1.01 IRRIGATION PLAN
L2.01 PLANTING PLAN

ARCHITECTURAL DRAWINGS (6 SHEETS)
AS-1 OVERALL SITE PLAN
AS-2 SITE DEMOLITION PLAN

* PLUMBING DRAWINGS (2 SHEETS)
P0-1 PLUMBING LEGEND, SCHED. GEN. NOTES & DETAILS
P1-1 PLUMBING SITE PLAN

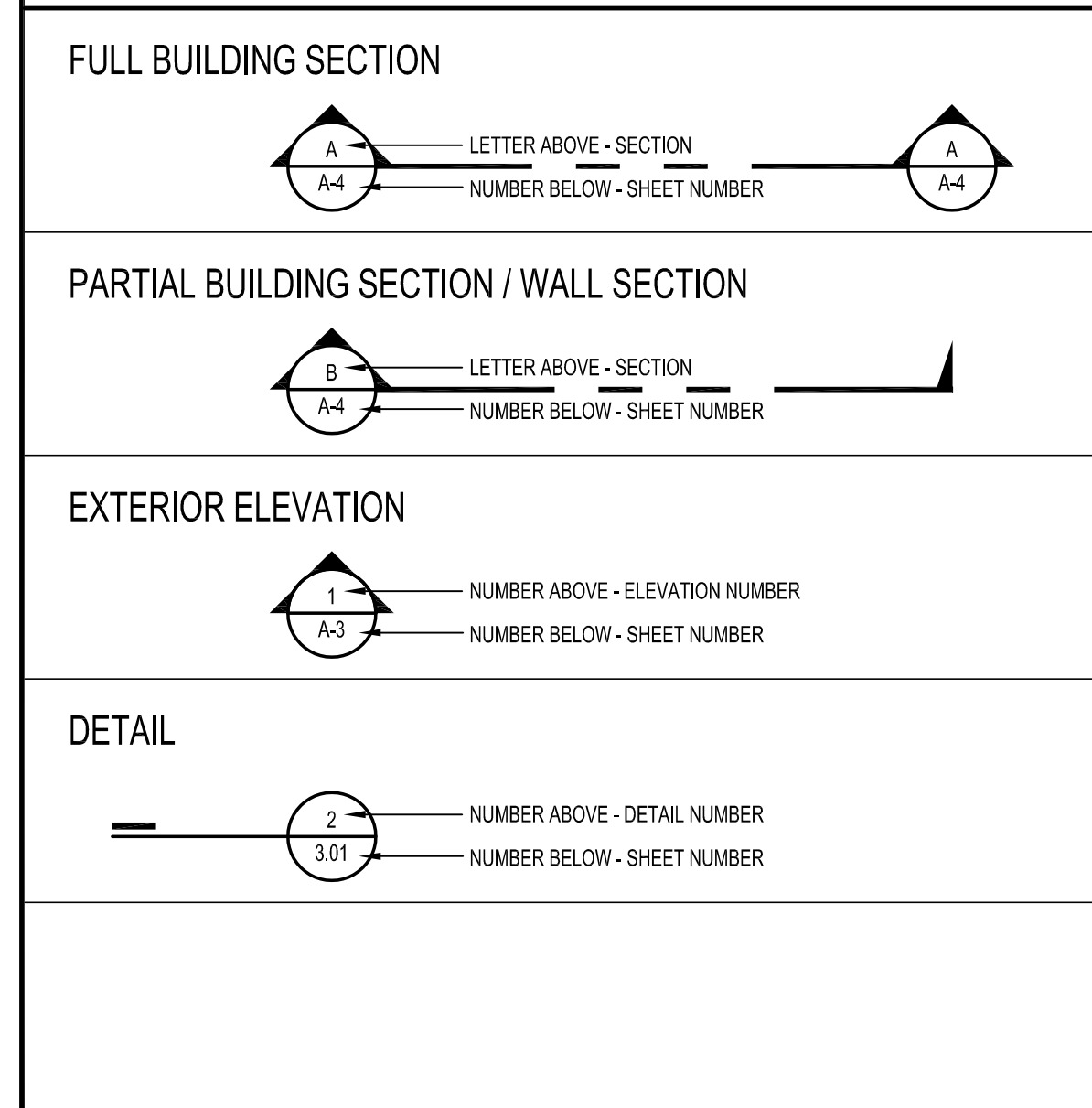
* ELECTRICAL DRAWINGS (16 SHEETS)
E0-1 SYMBOL LIST, NOTES AND DETAILS
E0-2 SINGLE LINE DIAGRAM
E0-3 ELECTRICAL DETAILS

* STRUCTURAL DRAWINGS (2 SHEETS)
S-1 GENERAL NOTES
S-2 FOUNDATION/ROOF FRAMING PLAN W/ DETAILS

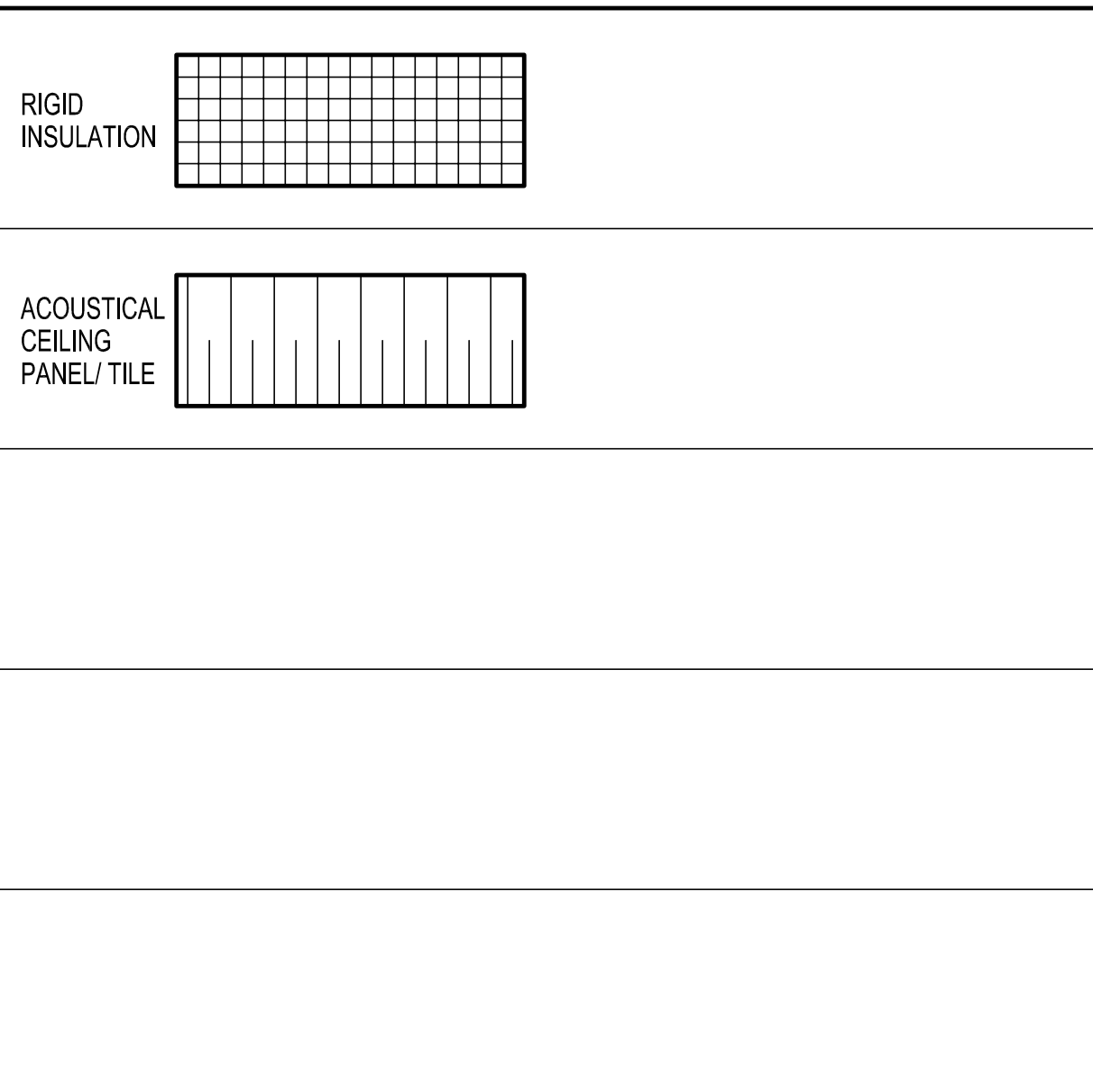
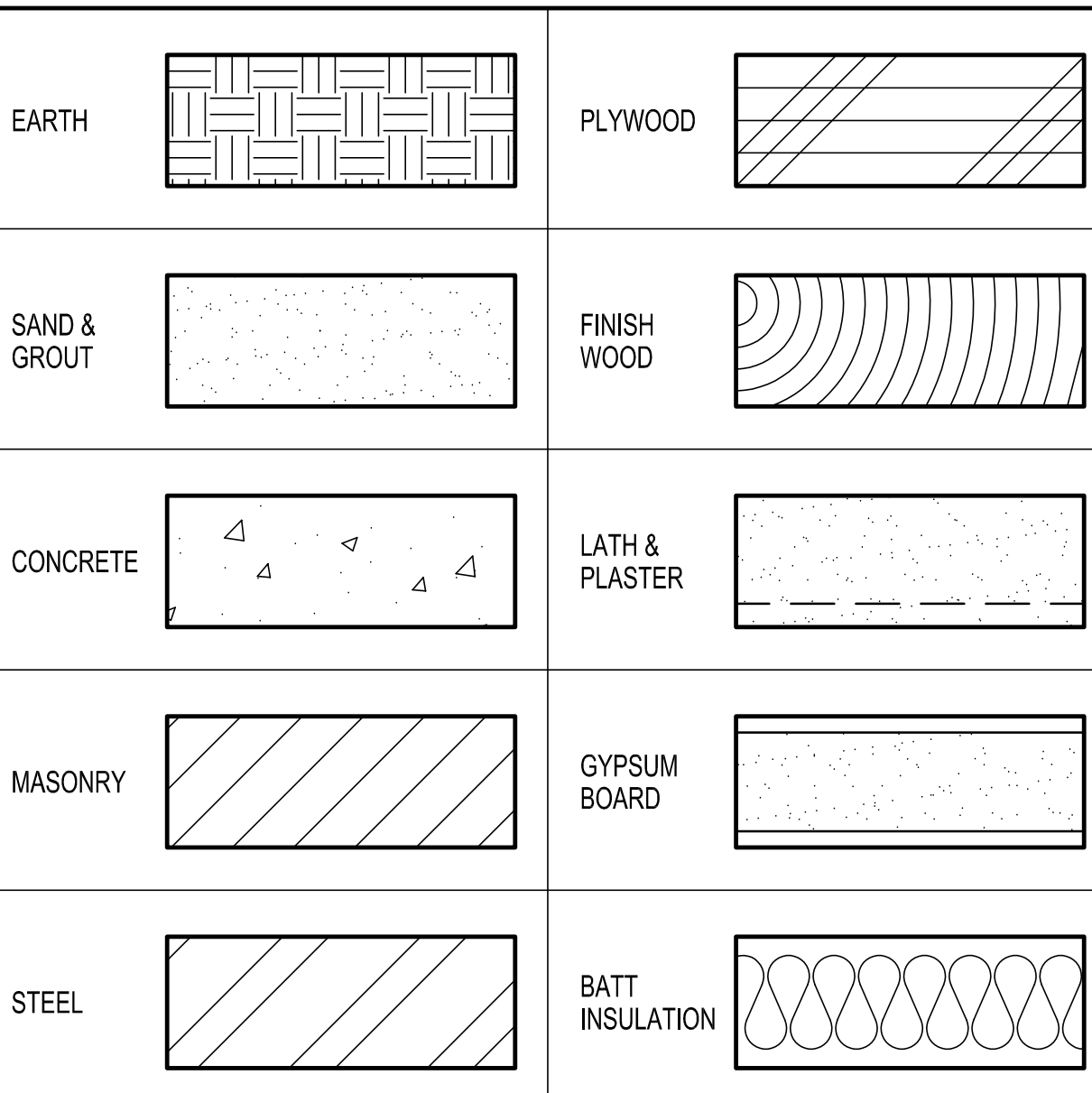
* MODULAR BUILDING DRAWINGS (67 SHEETS)
AMERICAN MODULAR SYSTEMS, INC.
T8 TITLE SHEET
N1.0 GENERAL NOTES & SPECIFICATIONS

* PC DRAWINGS MODULAR ELEVATOR (17 SHEETS)
MODULAR ELEVATOR MANUFACTURING, INC. PC# 03-116291
S1 COVER SHEET
S1A TESTING AND INSPECTION CRITERIA

REFERENCE SYMBOLS



MATERIAL SYMBOLS



Identification Stamp, Agency Information (tBP/Architecture), and Architect Information (tBP/Architecture).

Project Title: MONTE VISTA ELEMENTARY SCHOOL 2-STORY MODULAR CLASSROOM BUILDING. Client: GLENDALE UNIFIED SCHOOL DISTRICT. Address: 2620 ORANGE AVENUE, LA CRESCENTA, CALIFORNIA 91214.

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

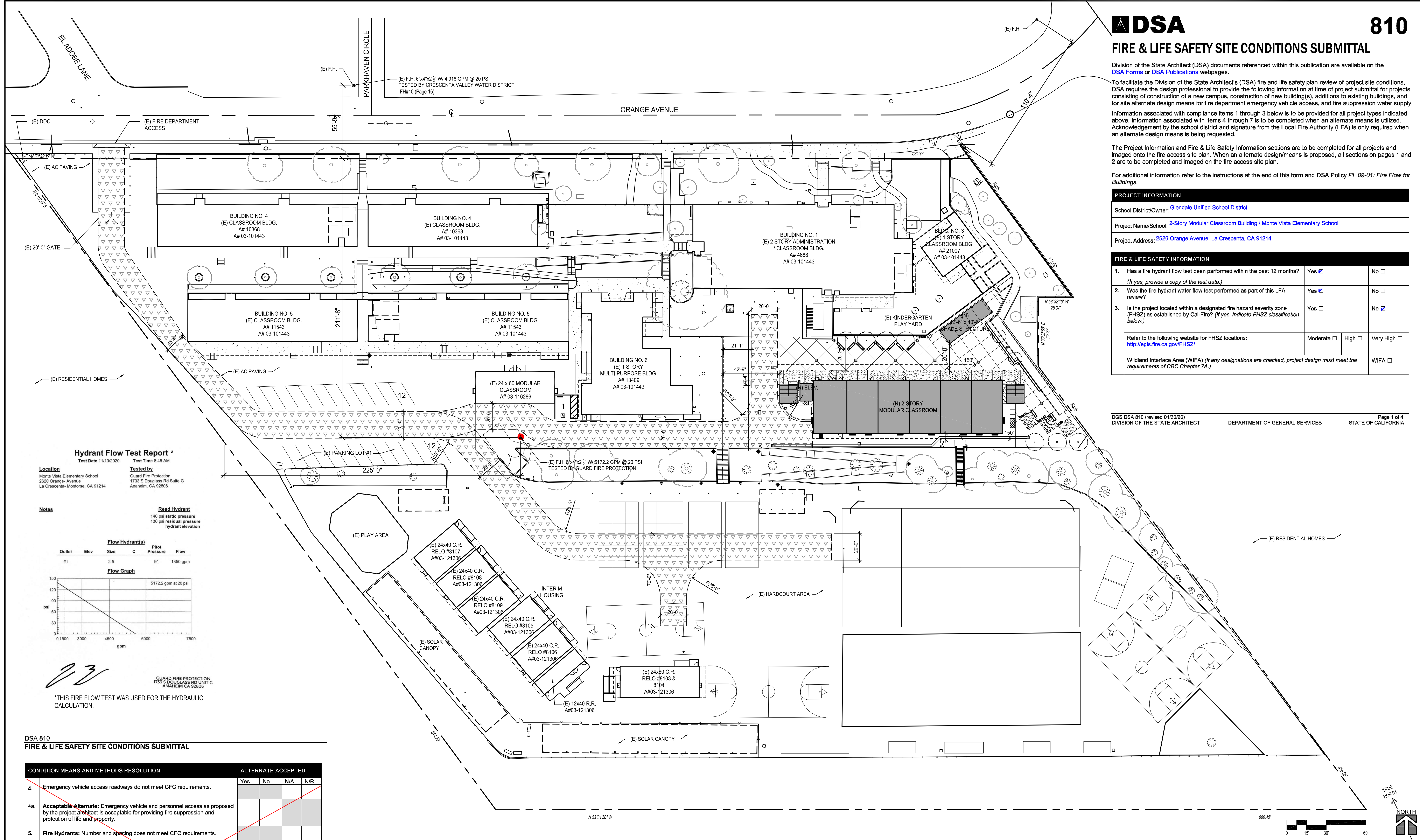
Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

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.

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.

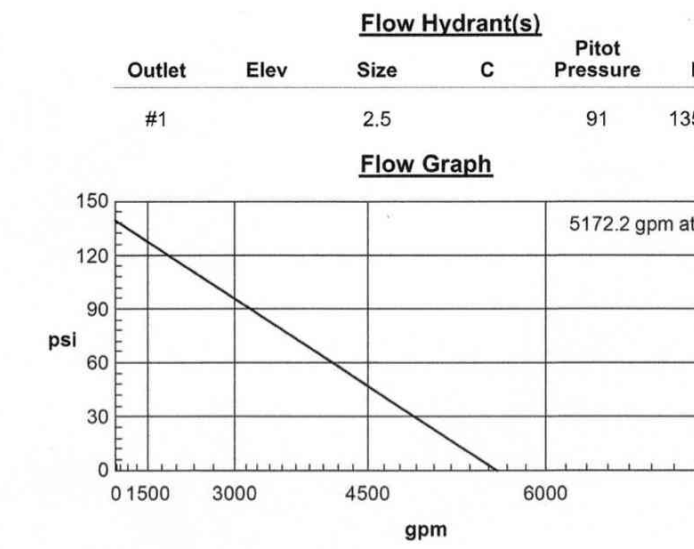
PROJECT INFORMATION
School District/Owner: Glendale Unified School District
Project Name/School: 2-Story Modular Classroom Building / Monte Vista Elementary School
Project Address: 2620 Orange Avenue, La Crescenta, CA 91214
FIRE & LIFE SAFETY INFORMATION
1. Has a fire hydrant flow test been performed within the past 12 months? Yes [X] No []
2. Was the fire hydrant water flow test performed as part of this LFA review? Yes [X] 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 [X]
Refer to the following website for FHSZ locations: http://egis.fire.ca.gov/FHSZ/
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 7A.) Moderate [] High [] Very High [] WIFA []



Hydrant Flow Test Report

Test Date 11/10/2020 Test Time 8:45 AM
Location: Monte Vista Elementary School
2620 Orange Avenue
La Crescenta, California, CA 91214
Tested by: Guard Fire Protection
1733 S Douglas Rd Suite G
Anaheim, CA 92806

Notes: Read Hydrant
140 psi static pressure
130 psi residual pressure
hydrant elevation



*THIS FIRE FLOW TEST WAS USED FOR THE HYDRAULIC CALCULATION.

DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Table with 5 columns: CONDITION MEANS AND METHODS RESOLUTION, ALTERNATE ACCEPTED, Yes, No, N/A, N/R. Contains 7 rows of conditions related to fire department access and hydrant requirements.

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...

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

LOCAL FIRE AUTHORITY (LFA) INFORMATION
LFA Agency Name: COUNTY OF LOS ANGELES FIRE DEPARTMENT
LFA Review Official: MICHAEL BRAVO
Title: FIRE PREVENTION ENGINEER ASSISTANT II
Work Phone: 323-890-4125
Work Email: michael.bravo@fire.lacounty.gov
APPROVED Date: 09/16/2021
By: M. Bravo
Fire Prevention Engineer
FEPC 2021-0892

FIRE DEPARTMENT NOTES

FIRE DEPARTMENT ACCESS SIGNAGE MAP
PLANS SHOWING THE FIRE DEPARTMENT ACCESS SIGNAGE MAP DETAILS SHALL BE SUBMITTED TO THE FIRE DEPT. FOR APPROVAL WITHIN 90 DAYS...
1. BUILDINGS AND BUILDING IDENTIFICATION
2. FIRE ACCESS ROADS
3. APPROVED ACCESS WALKWAYS LEADING FROM FIRE APPARATUS ACCESS ROADS TO EXTERIOR OPENINGS
4. FIRE HYDRANTS
5. KNOX BOXES
6. FENCES AND GATES (VEHICLE AND PERSON GATES)
7. FIRE DEPARTMENT CONNECTION AND DOUBLE DETECTOR CHECK
8. OTHER INFORMATION PERTINENT TO FIRE DEPARTMENT ACCESS

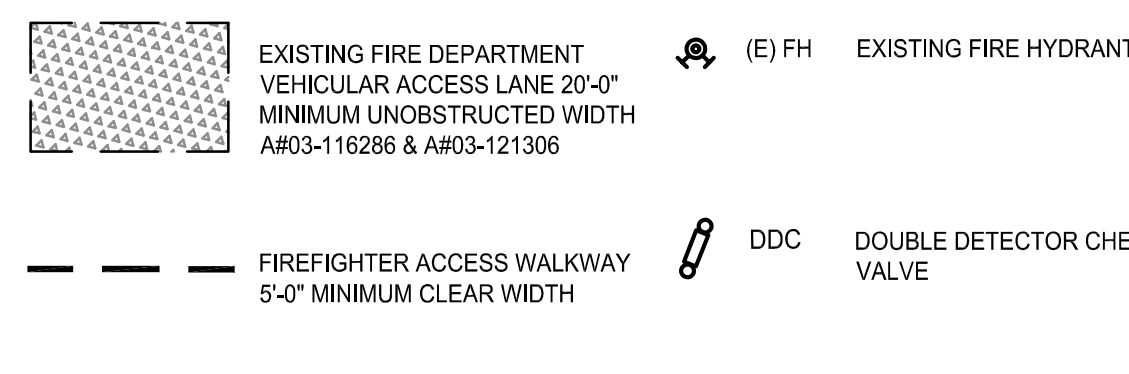
BUILDING DESCRIPTION

TOTAL BUILDING AREAS: 2 STORY MODULAR: 14,609 S.F.
BUILDING HEIGHT: 30'-0" HIGH
BUILDING USE: E OCCUPANCY
CONSTRUCTION TYPE: TYPE V-B, SPRINKLERED
TOTAL BUILDING AREA: SHADE STRUCTURE: 507 S.F.
BUILDING HEIGHT: 10'-0" HIGH
BUILDING USE: E OCCUPANCY
CONSTRUCTION TYPE: II-B

SCOPE OF WORK

THIS PROJECT CONSISTS OF INSTALLATION OF (1) 2-STORY MODULAR CLASSROOM BUILDING AND (1) 12'-4" x 40'-4" SHADE STRUCTURE.

SITE PLAN LEGEND



BUILDING DESCRIPTION

TOTAL BUILDING AREAS: 2 STORY MODULAR: 14,609 S.F.
BUILDING HEIGHT: 30'-0" HIGH
BUILDING USE: E OCCUPANCY
CONSTRUCTION TYPE: TYPE V-B, SPRINKLERED
TOTAL BUILDING AREA: SHADE STRUCTURE: 507 S.F.
BUILDING HEIGHT: 10'-0" HIGH
BUILDING USE: E OCCUPANCY
CONSTRUCTION TYPE: II-B

SCOPE OF WORK

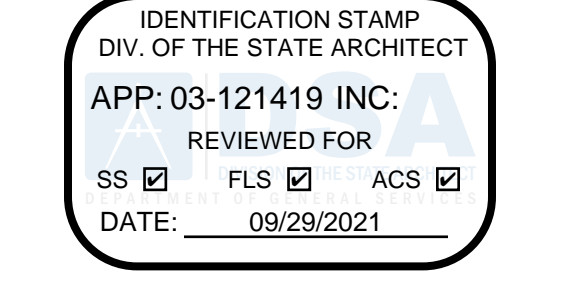
THIS PROJECT CONSISTS OF INSTALLATION OF (1) 2-STORY MODULAR CLASSROOM BUILDING AND (1) 12'-4" x 40'-4" SHADE STRUCTURE.

FIRE FLOW ANALYSIS

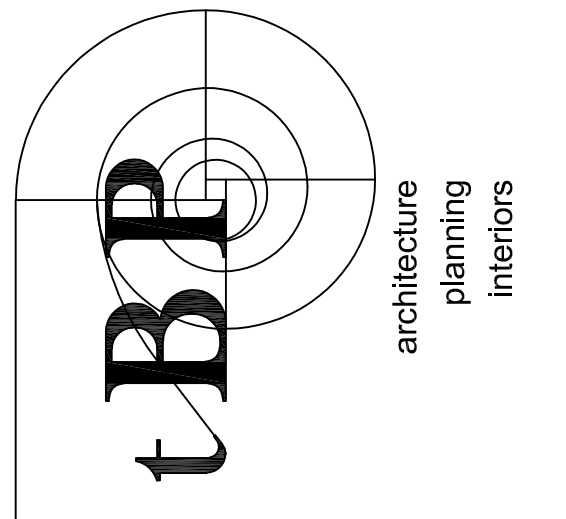
Table with 4 columns: BUILDING TYPE, FIRE AREA, FIRE FLOW @ 20 PSI (GPM), FLOW DURATION (HOURS), REQUIRED FIRE FLOW @ 20 PSI. Rows for 2-Story Modular Classroom Building and Shade Structure.

FIRE ACCESS SITE PLAN 1

PART B INFORMATION ON FIRE FLOW AVAILABILITY
Location of hydrant: Northwest corner of Orange and Parkhaven Circle
Hydrant Number: 66266
Distance from Nearest Property Line: 46'
Size of Hydrant: 6" x 4" x 2.5"
Water main: 12"
Static PSI: 101
Residual PSI: 92
Orifice size: 2.5"
Flow Test Date / Time: 11/10/20 / 8:45
Fire Flow at 20 PSI: 5,172.2
Duration: 2 Hrs
Flow Test Daily / Time: 11/10/20 / 8:45
Hydrant model: _____



APP 03-121419
DIVISION OF THE STATE ARCHITECT
355 S. GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fax: 213.897.3159/0726

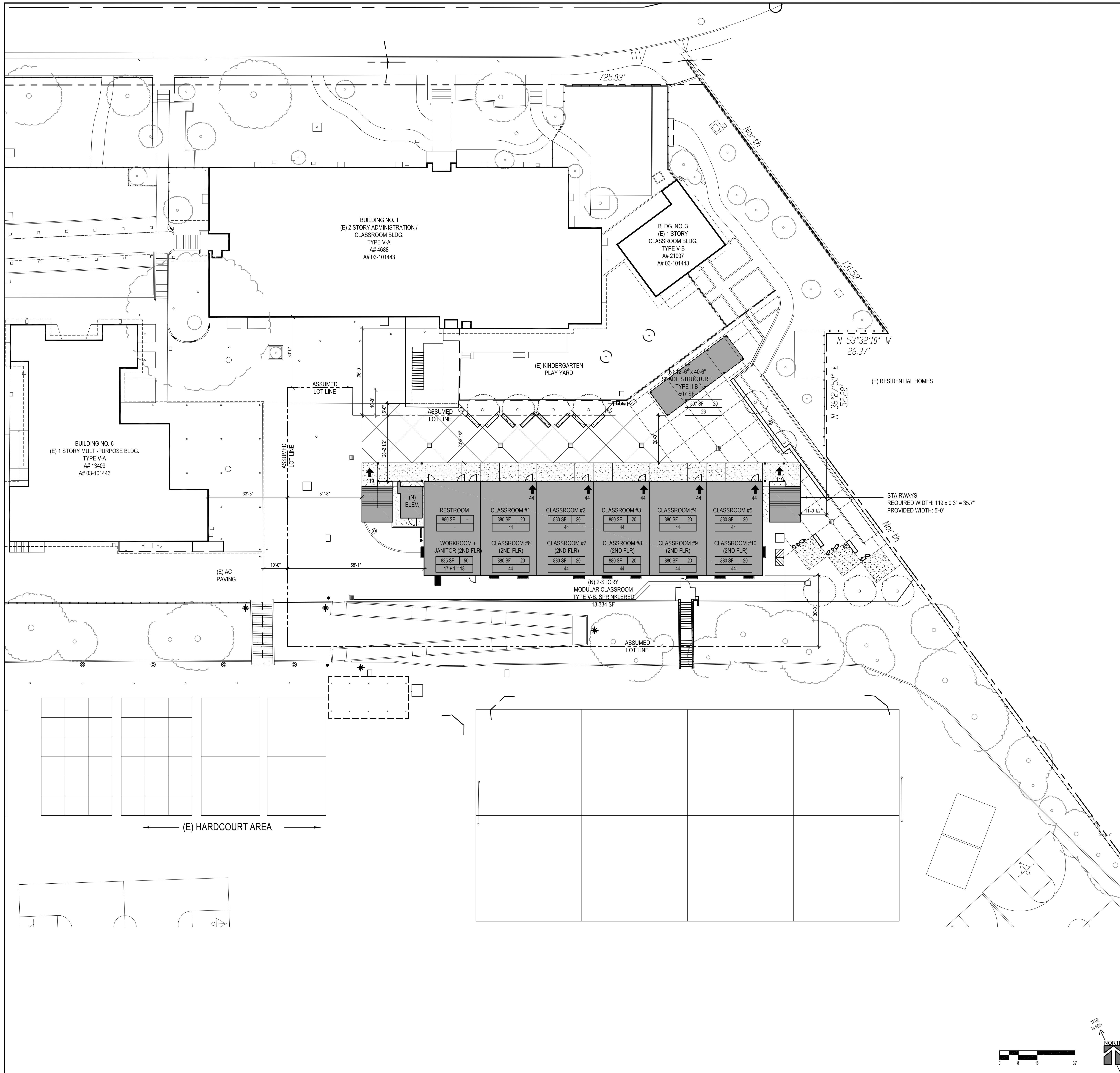


tBP Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300
architect

consultant

MONTE VISTA ELEMENTARY SCHOOL
2-STORY MODULAR CLASSROOM BUILDING
GLENDALE UNIFIED SCHOOL DISTRICT
2620 ORANGE AVENUE
LA CRESCENTA, CALIFORNIA 91214
owner

tBP project number: 2166.01
file name:
drawn by: checked by:
date: APRIL 21, 2021
Rev. date: description:
drawing title: FIRE ACCESS SITE PLAN
drawing no.: T-3
drawing of



CODE ANALYSIS

2-STORY MODULAR CLASSROOM BUILDING
 OCCUPANCY GROUP: E
 CONSTRUCTION TYPE: TYPE V-B, SPRINKLERED

ALLOWABLE HEIGHT PER TABLE 504.3 & 504.4	ALLOWABLE	ACTUAL
NUMBER OF STORIES	2	2
BUILDING HEIGHT	60'-0"	30'-0"

ALLOWABLE BUILDING AREA	
BASIC ALLOWABLE AREA A(1) PER TABLE 506.2	28,500 S.F.
FRONTAGE INCREASE I(1)	NOT USED
ALLOWABLE AREA FOR NONSPRINKLERED BLDGS PER TABLE 506.2	9,500 S.F.
TOTAL ALLOWABLE AREA PER STORY A(a) = A(1) + (NS x I(1))	28,500 S.F.
TOTAL ALLOWABLE AREA A(a) x 2	57,000 S.F.
1ST FLOOR AREA	5,753.3 S.F.
2ND FLOOR AREA	5,753.3 S.F.
BALCONY/OVERHANG	2,301.2 S.F.
STAIRS	453.2 S.F.
SKYWALK	222.3 S.F.
ELEVATOR	126.4 S.F.
ACTUAL BUILDING AREA	14,699.7 S.F.

FIRE RESISTANCE RATING REQUIREMENTS FOR TYPE V-B CONSTRUCTION (TABLE 601)	
STRUCTURAL FRAME	0 HR.
EXTERIOR NON-BEARING WALLS	TABLE 602
INTERIOR NON-BEARING PARTITIONS	0 HR.
FLOOR CONSTRUCTION	0 HR.
ROOF CONSTRUCTION	0 HR.
SHAFT ENCLOSURES PER 708	1 HR.

FIRE RESISTANCE OF EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (TABLE 602)	
TYPICAL ALL WALLS FIRE SEPARATION DISTANCE > 30'	0 HR.

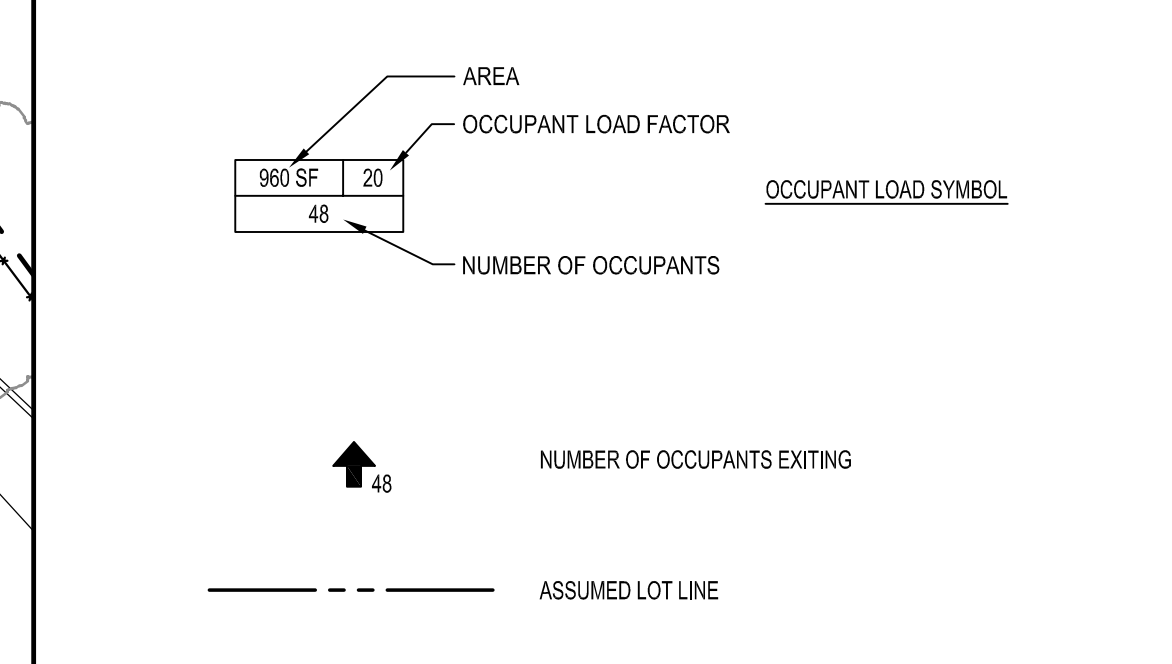
MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE (TABLE 705.8)	
NON-RATED EXTERIOR WALLS	NO LIMIT

SHADE STRUCTURE
 OCCUPANCY GROUP: E
 CONSTRUCTION TYPE: TYPE II-B

ALLOWABLE HEIGHT PER TABLE 504.3 & 504.4	ALLOWABLE	ACTUAL
NUMBER OF STORIES	2	1
BUILDING HEIGHT	55'-0"	10'-0"

ALLOWABLE BUILDING AREA	
BASIC ALLOWABLE AREA A(1) PER TABLE 506.2	14,500 S.F.
FRONTAGE INCREASE:	NOT USED
SPRINKLER INCREASE:	NOT USED
TOTAL ALLOWABLE AREA A(a)	14,500 S.F.
ACTUAL BUILDING AREA	507 S.F.

CODE ANALYSIS - LEGEND



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-121419 INC.
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 SS FLS ACS
 DATE: 09/29/2021

AR 03-121419
 DIVISION OF THE STATE ARCHITECT
 355 S. GRAND AVE. SUITE 2100
 LOS ANGELES, CA 90071
 ph: 213.897.3995 fx: 213.897.3159/0726

tBP
 architecture
 planning
 interiors

ARCHITECT & INTERIORS
 L. CRESCENT
 STATE OF CALIFORNIA

tBP/Architecture
 4611 Teller Avenue
 Newport Beach, CA 92660
 ph: 949.673.0300

architect

consultant

**MONTE VISTA ELEMENTARY SCHOOL
 2-STORY MODULAR CLASSROOM BUILDING**

GLENDALE UNIFIED SCHOOL DISTRICT
 2620 ORANGE AVENUE
 LA CRESCENTA, CALIFORNIA 91214

owner

tBP project number : 21056.01
 file name:
 drawn by: checked by:
 date: SEPTEMBER 22, 2021
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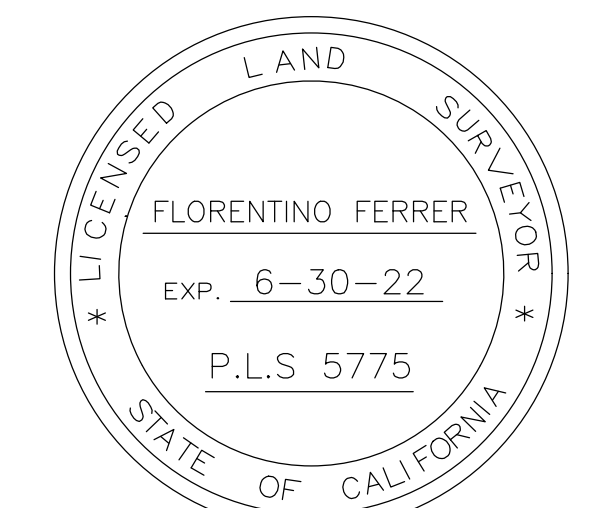
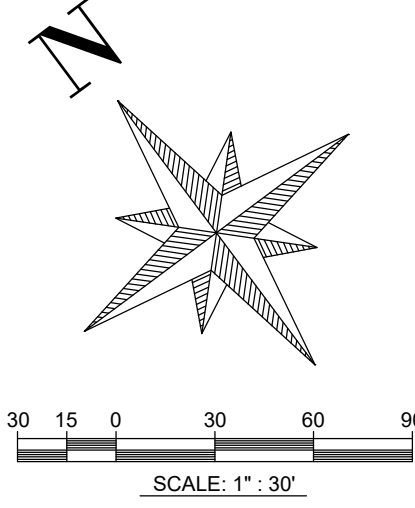
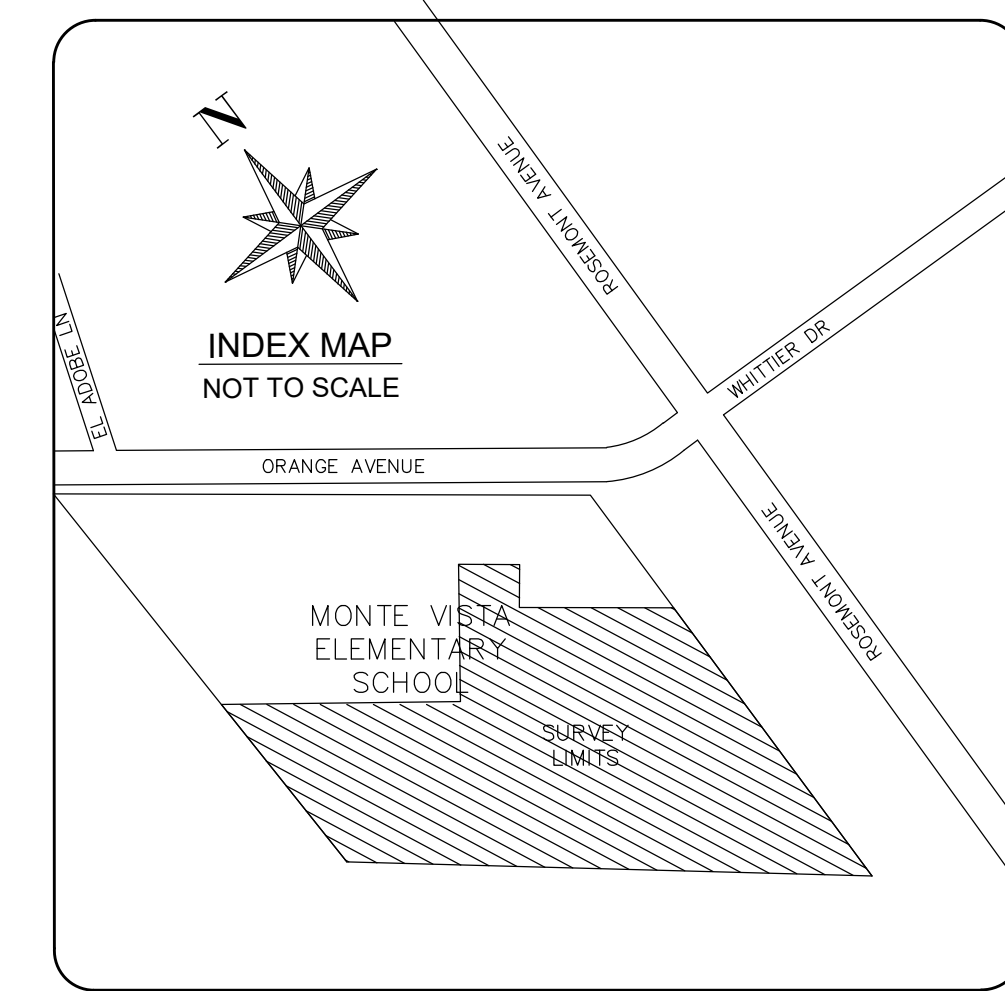
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drawing title:
CODE ANALYSIS

drawing no.:
T-4
 drawing of

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REVIEWED FOR
SS FLS ACS
DATE: 09/29/2021

ORANGE AVENUE
S 53°15'50" E 1111.87'
(BASIS OF BEARING)



Florentino Ferrer
FLORENTINO FERRER L.S. 5775

SURVEYOR'S STATEMENT:

I hereby state that I am a Professional Land Surveyor of the State of California, that this map, consisting of 1 sheet represents a survey made by me or under my supervision.

DATE: 10/21/2020

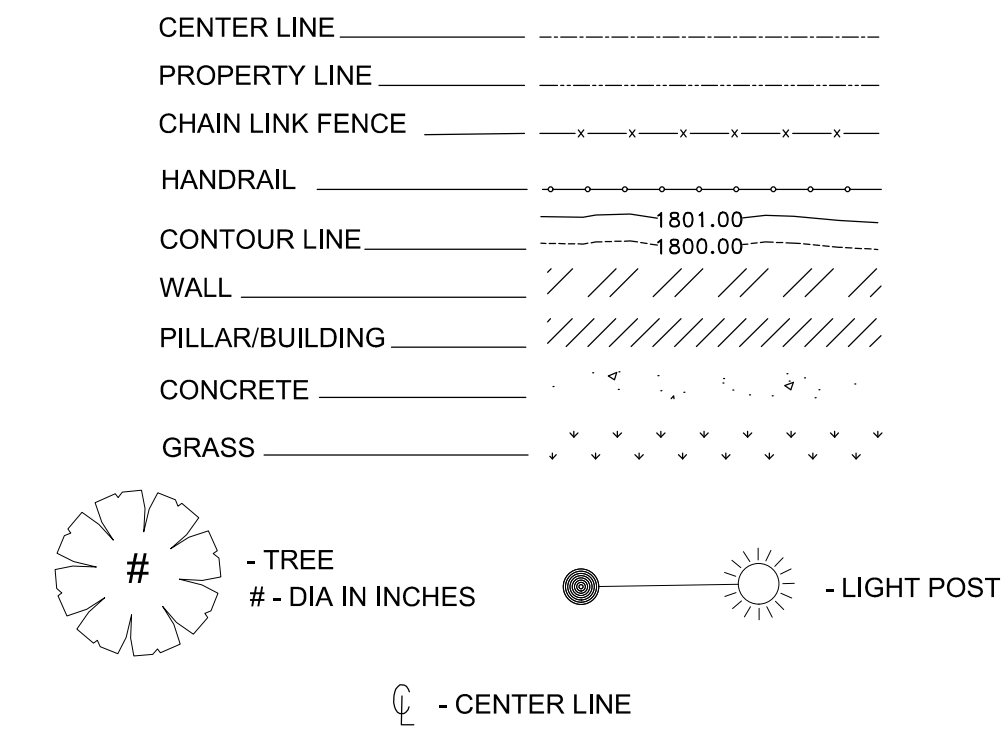
SURVEYOR'S NOTES:

1. THIS MAP REPRESENTS A TOPOGRAPHIC SURVEY OF VISIBLE FIELD CONDITIONS AT THE TIME OF THIS SURVEY. NO EASEMENTS, COVENANTS, CONDITIONS, OR RESTRICTIONS HAVE BEEN DETERMINED EXCEPT THOSE SHOWN.
2. THE HORIZONTAL BASIS FOR THIS SURVEY IS S 53°15'50" E ON ORANGE AVENUE PER TRACT MAP NO. 13376 M.B. 276/27-26
3. THE VERTICAL BASIS FOR THIS SURVEY IS A L&TAG BM# 9Y4455 IN N CB OF ORANGE AVENUE APPROX. 180 FT FROM CL INT OF ORANGE AVE & CECILVILLE AVE. ELEVATION = 1777.993'.
4. REFER TO AUTOCAD DWG FILE FOR ADDITIONAL SURVEY POINTS AND DATA FEATURES NOT SHOWN HERE.

ABBREVIATIONS:

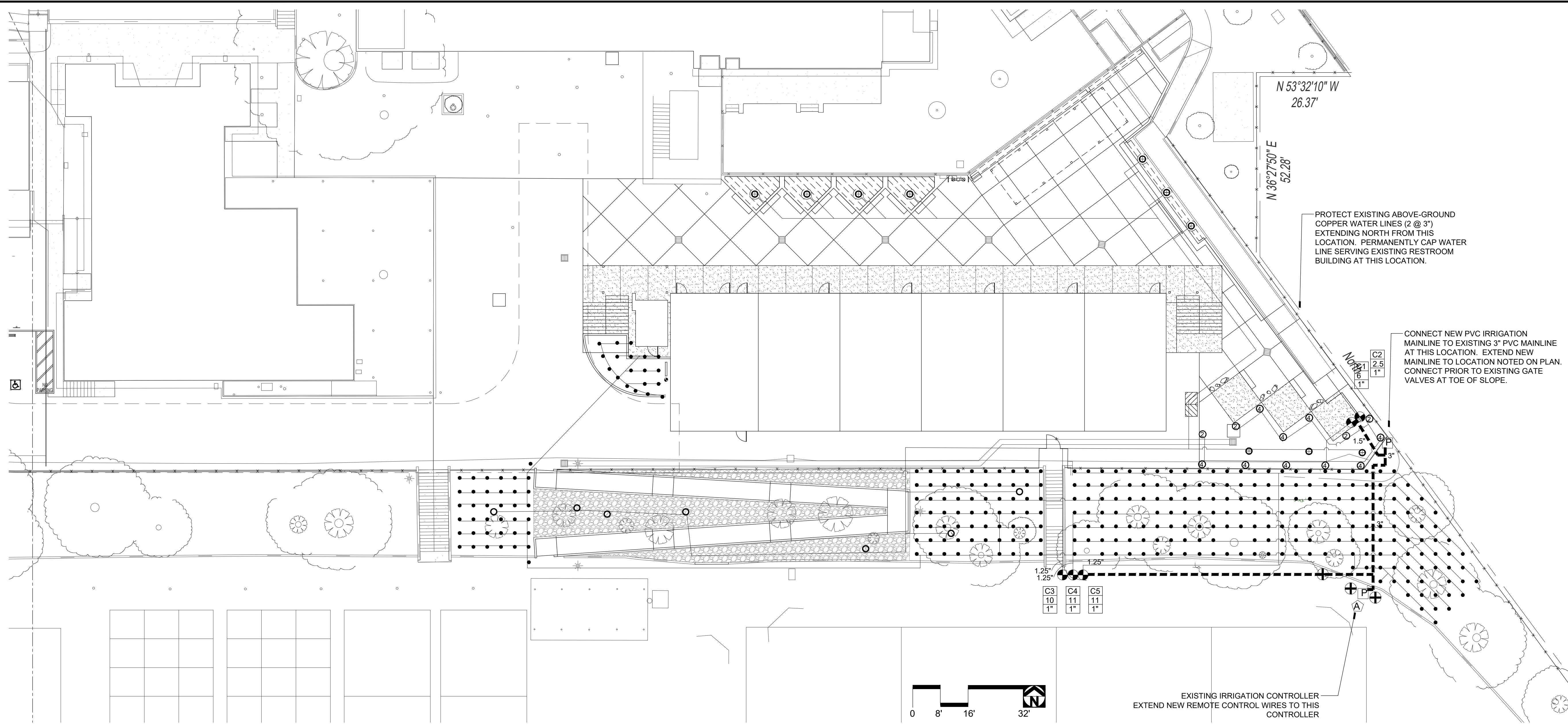
AC - ASPHALT CONCRETE	EG - EDGE OF GUTTER	TBS - TOP OF BOTTOM STEP
BBS - BOTTOM OF BOTTOM STEP	EP - EDGE OF PAVEMENT	TC - TOP CURB
BR - BOTTOM OF RAMP	FL - FLOW LINE	THR - THRESHOLD
BR - BOTTOM OF WALL	GND - GROUND	TR - TOP OF RAMP
C/CONC - CONCRETE	GPB - GAS PULL BOX	TTS - TOP OF TOP STEP
CC - CONCRETE CORNER	GRS - GRASS	TW - TOP OF WALL
CO - CLEANOUT	IPB - IRRIGATION PULLBOX	TX - TOP OF SLOPE
DF - DRINKING FOUNTAIN	PB - PANEL BOX	V - VALVE
DI - DRAIN INLET	SMH - SEWER MANHOLE	WPB - WATER PULL BOX
DS - DOWNSPOUT	SPB - SEWER PULL BOX	WPC - WOOD PLATFORM CORNER
EC - EDGE OF CONCRETE	SGV - SIGNAL VAULT	WV - WATER VALVE

LEGEND:



TS-1 (FOR REFERENCE ONLY)

TOPOGRAPHIC SURVEY	
OWNER'S NAME: GUSD	Prepared By: FLORENTINO FERRER FERRER & ASSOCIATES LAND SURVEYORS & ENGINEERS 16388 COLIMA ROAD, UNIT 206-L HACIENDA HEIGHTS, CA 91745 (626)333-9644 FAX (626)270-4424
JOB ADDRESS: MONTE VISTA ES 2620 ORANGE AVE., LA CRESCENTA-MONTROSE, CA 91214	LEGAL DESCRIPTION: PORTION OF LOT 9 BLK C. OF CRESCENTA CANADA M.R. 5-574-575 APN: 5803-023-900
SCALE: 1"=30' DATE: 10/21/20	DRAWN BY: K.J.R. PROJECT: SR20-091 SHEET 1 OF 1 SHEET(S)



IRRIGATION LEGEND

SYM	DESCRIPTION	GPM	PSI	RAD
①	HUNTER PROS-R-12-PRS30-MP800SR-360	0.78	30	8'
②	HUNTER PROS-R-12-PRS30-MP800SR	0.32	30	8'
③	HUNTER PROS-R-12-PRS40-MP1000-360	0.75	40	14'
④	HUNTER PROS-R-12-PRS40-MP1000	0.37	40	14'
---	NETAFIM TLHCVR5-12XX DRILINE			
---	3/4" PURPLE SCH 40 PVC HEADER	0.53	22-58	---
⊖	RAINBIRD PCT-050 ON RISER 4" ABOVE GRADE-TYP. INSTALL 4 SPRINKLERS 24" FROM TRUNK EQUALLY SPACED.	4 @ .08	30	---
⊖	RAINBIRD PCT-050 ON RISER 4" ABOVE GRADE-TYP. INSTALL 2 SPRINKLERS 24" FROM TRUNK EQUALLY SPACED.	2 @ .08	30	---
•	RAINBIRD 1804-PCT-050 ON RISER 4" ABOVE GRADE. INSTALL ON UP-SLOPE SIDE OF SHRUB.	1 @ .08	30	---
---	SCH 40 3/4" PURPLE PVC LATERAL PIPE			
1"	SCH 40 1" PURPLE PVC LATERAL PIPE			
1.25"	SCH 40 1-1/4" PURPLE PVC LATERAL PIPE			
1.5"	SCH 40 1-1/2" PURPLE PVC LATERAL PIPE			
2"	SCH 40 2" PURPLE PVC LATERAL PIPE			
3"	SCH 40 3" PURPLE PVC LATERAL PIPE			
---	3" CLASS 315 PVC MAINLINE PIPE			
⊖	RAINBIRD 44-NP			
⊖	SUPERIOR 950-XXX-PRS REMOTE CONTROL VALVE - SIZE NOTED ON PLAN			
⊖	NETAFIM LVC210075-HFHP ZONE CONTROL VALVE			
+	LINE-SIZE NIBCO T-115 BRASS GATE VALVE			
P	POINT OF CONNECTION CONNECT NEW 3" PVC MAINLINE TO EXISTING MAINLINE.			
A	EXISTING IRRIGATION CONTROLLER. VERIFY AVAILABLE STATIONS PRIOR TO IRRIGATION SYSTEM INSTALLATION.			

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-121419 INC.
REVIEWED FOR
SS FLS ACS
DATE: 09/29/2021

AF 03 -
DIVISION OF THE STATE ARCHITECT
365 S. GRAND AVE. SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159/0726
agency

tBP
architecture
planning
interiors

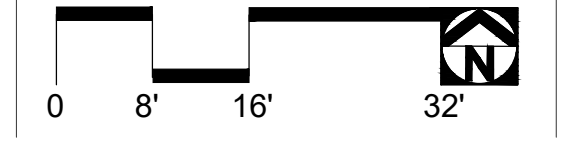
ARCHITECT & LANDSCAPE ARCHITECT
STATE OF CALIFORNIA

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300
architect

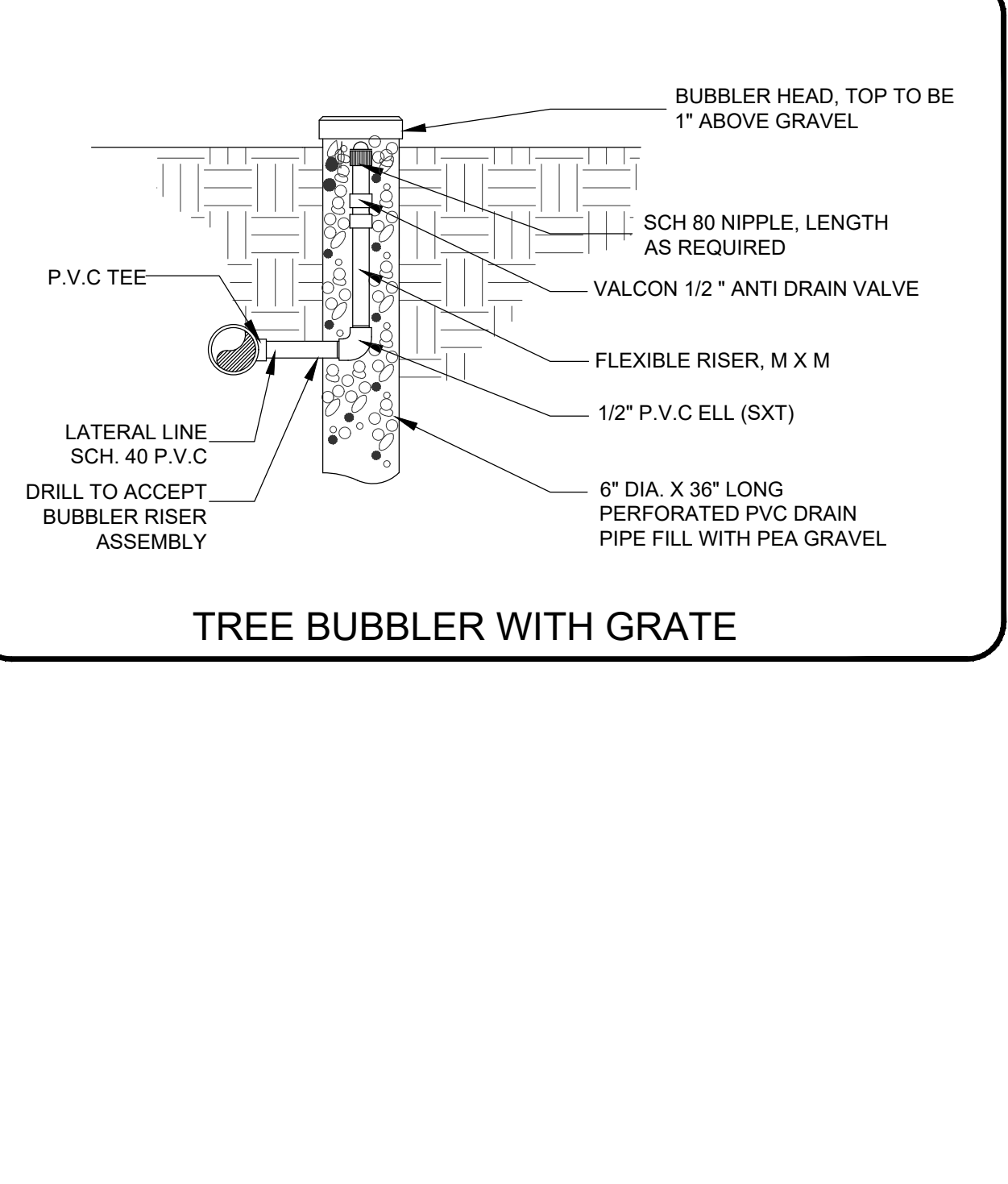
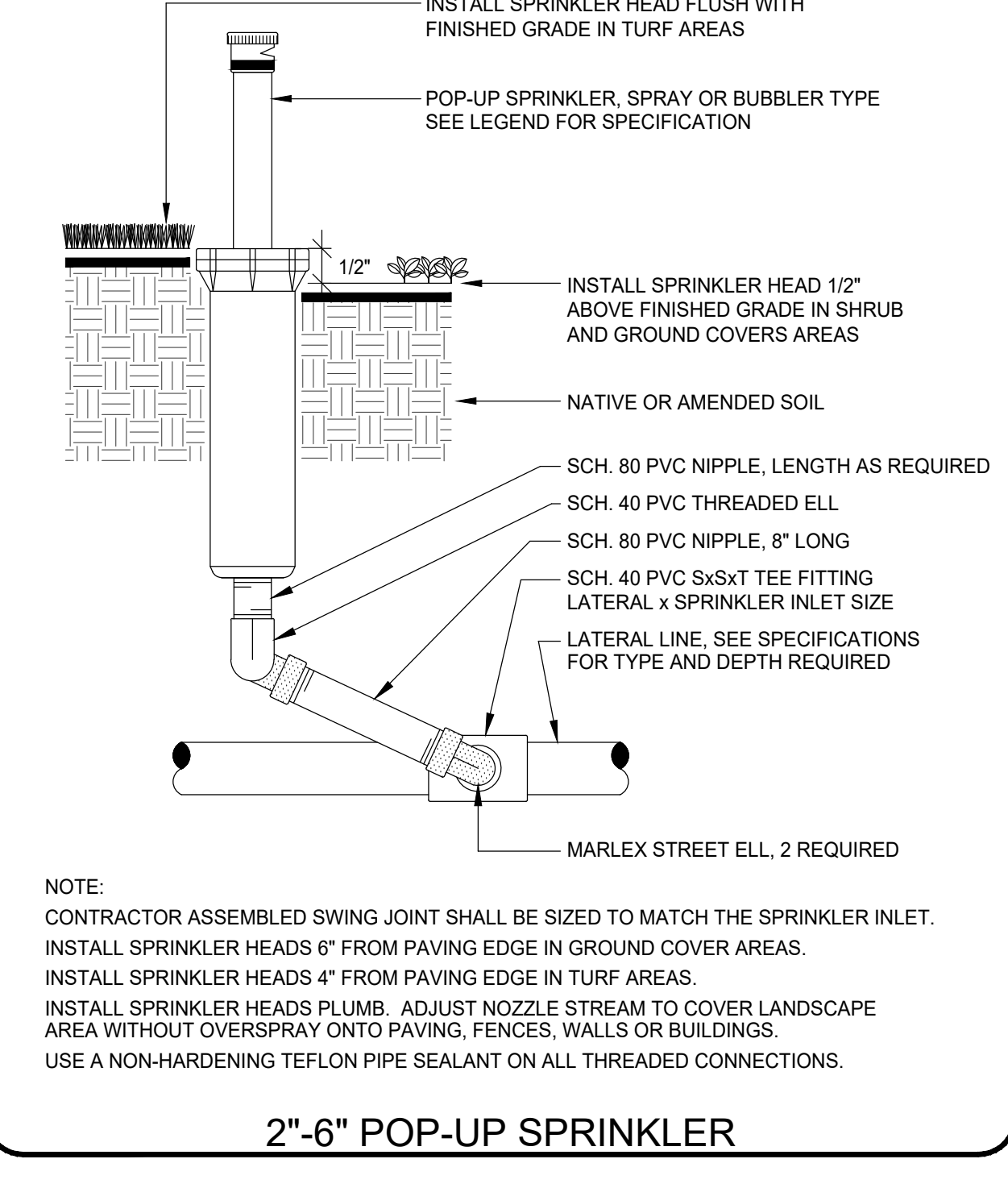
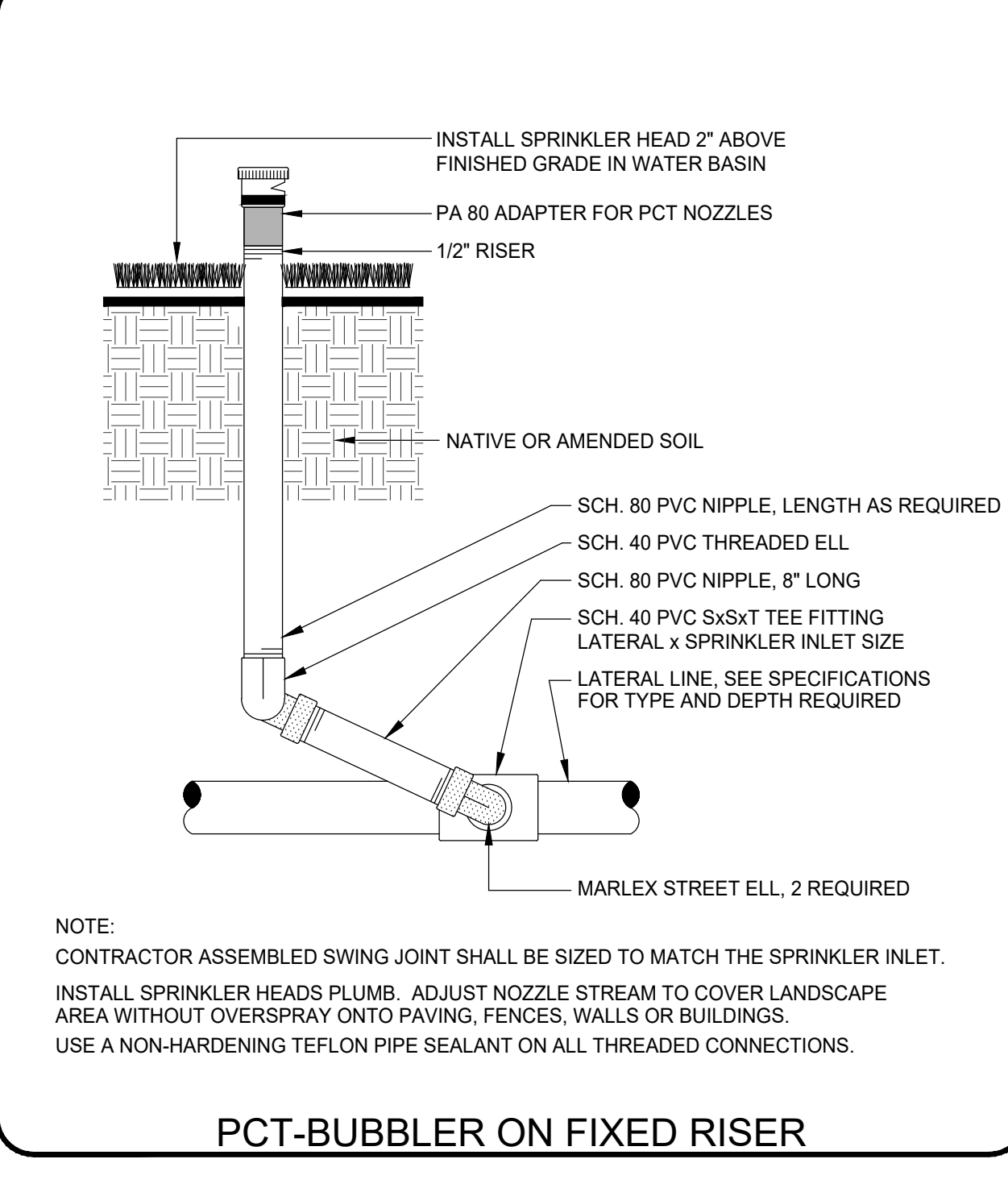
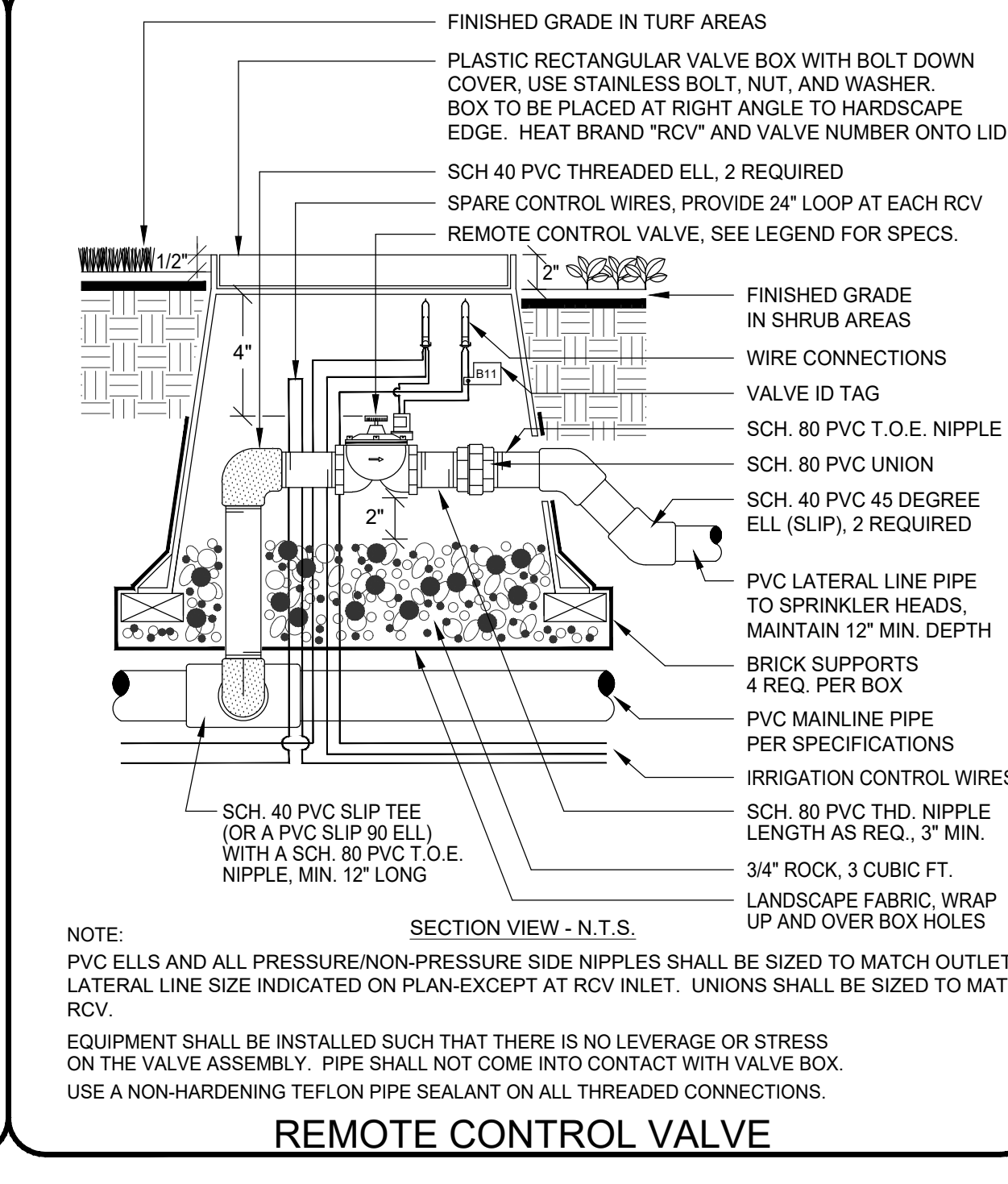
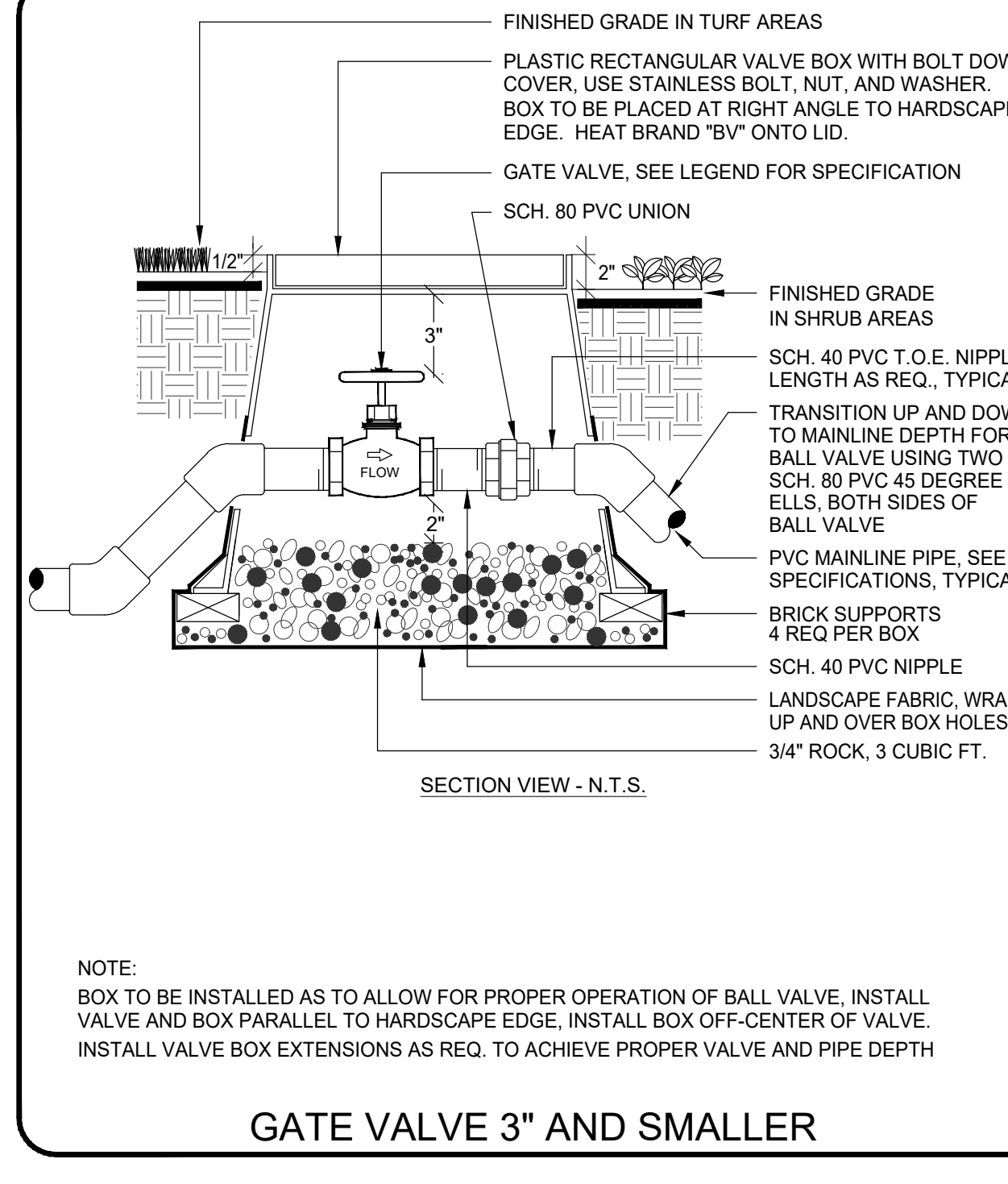
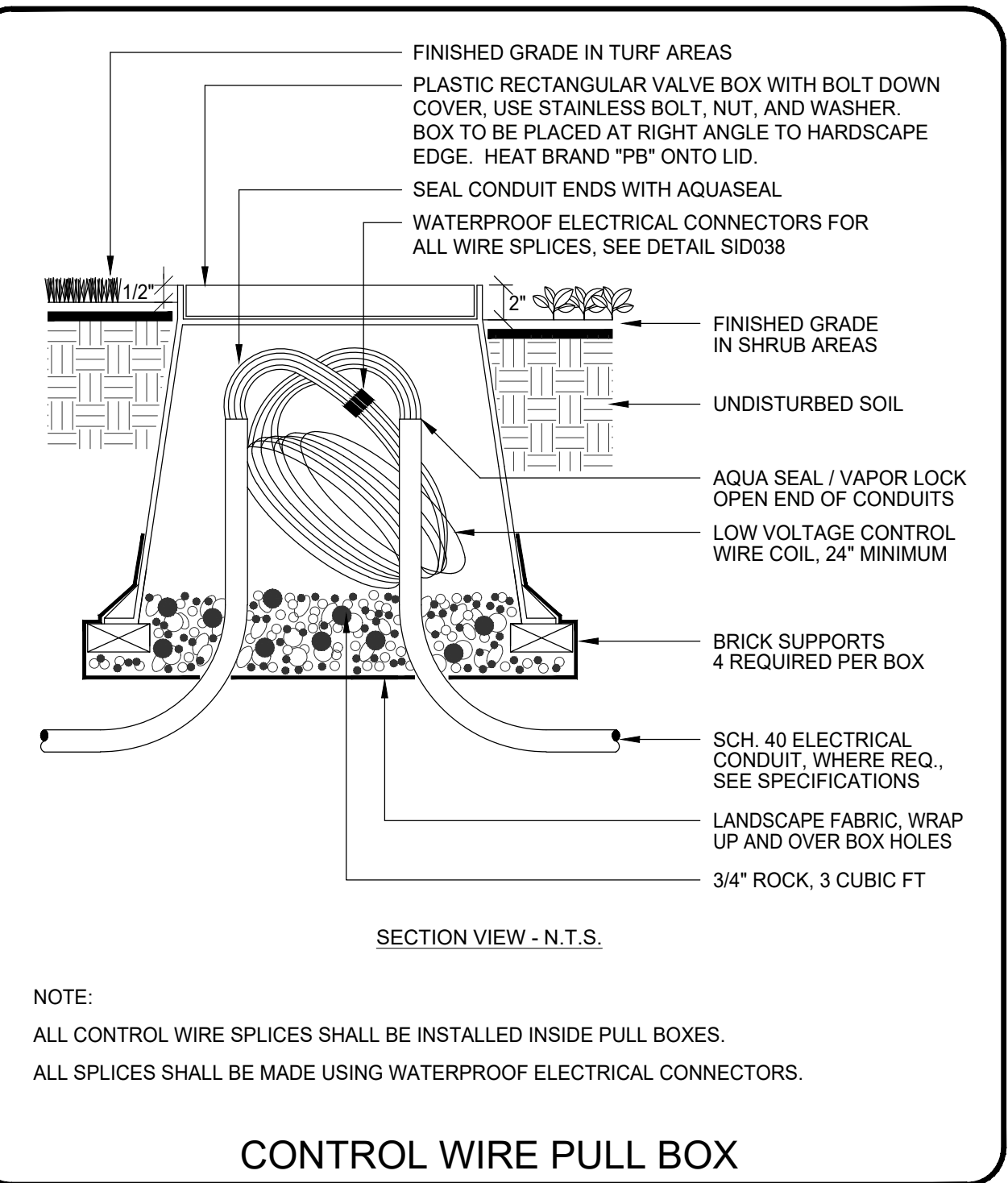
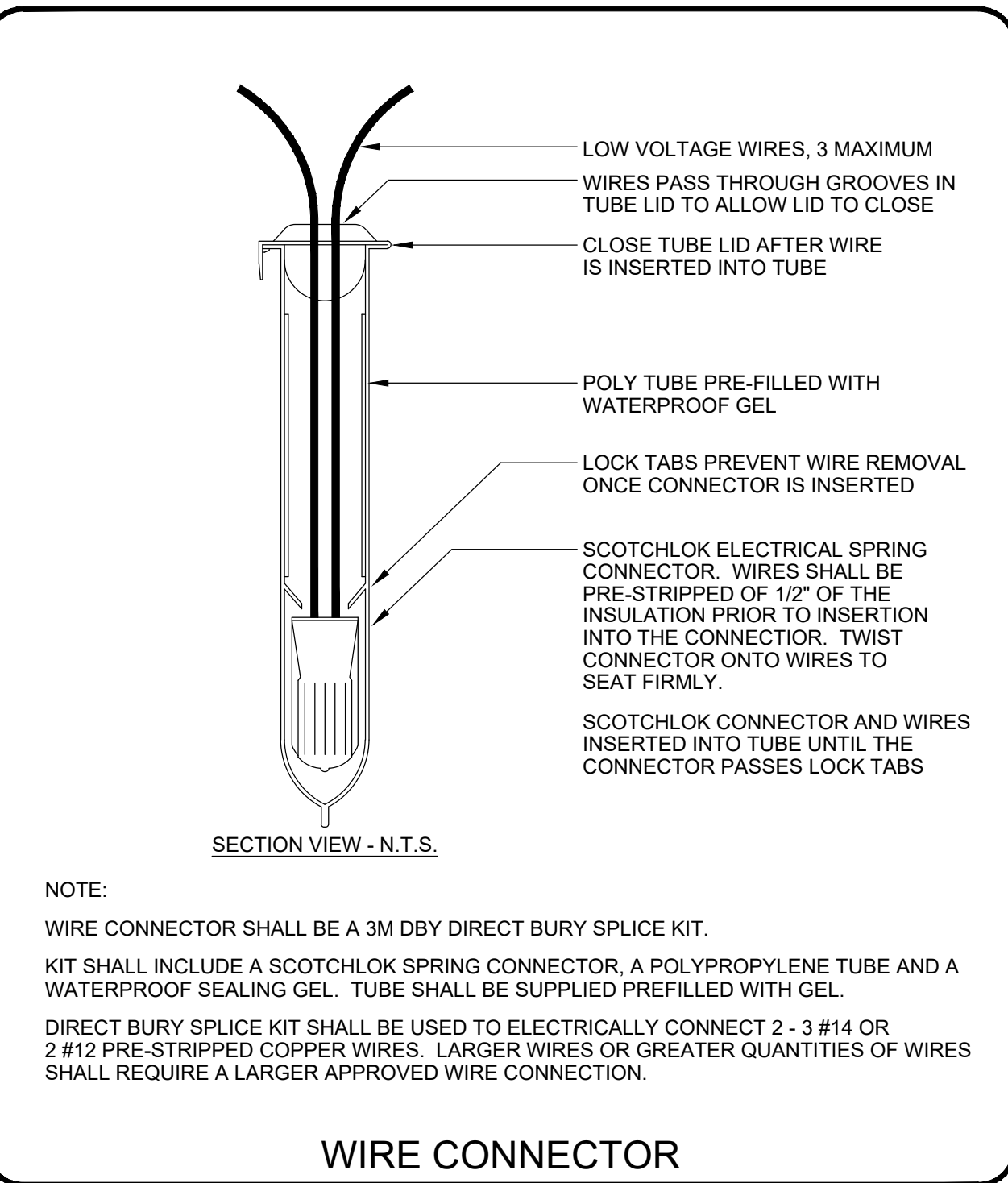
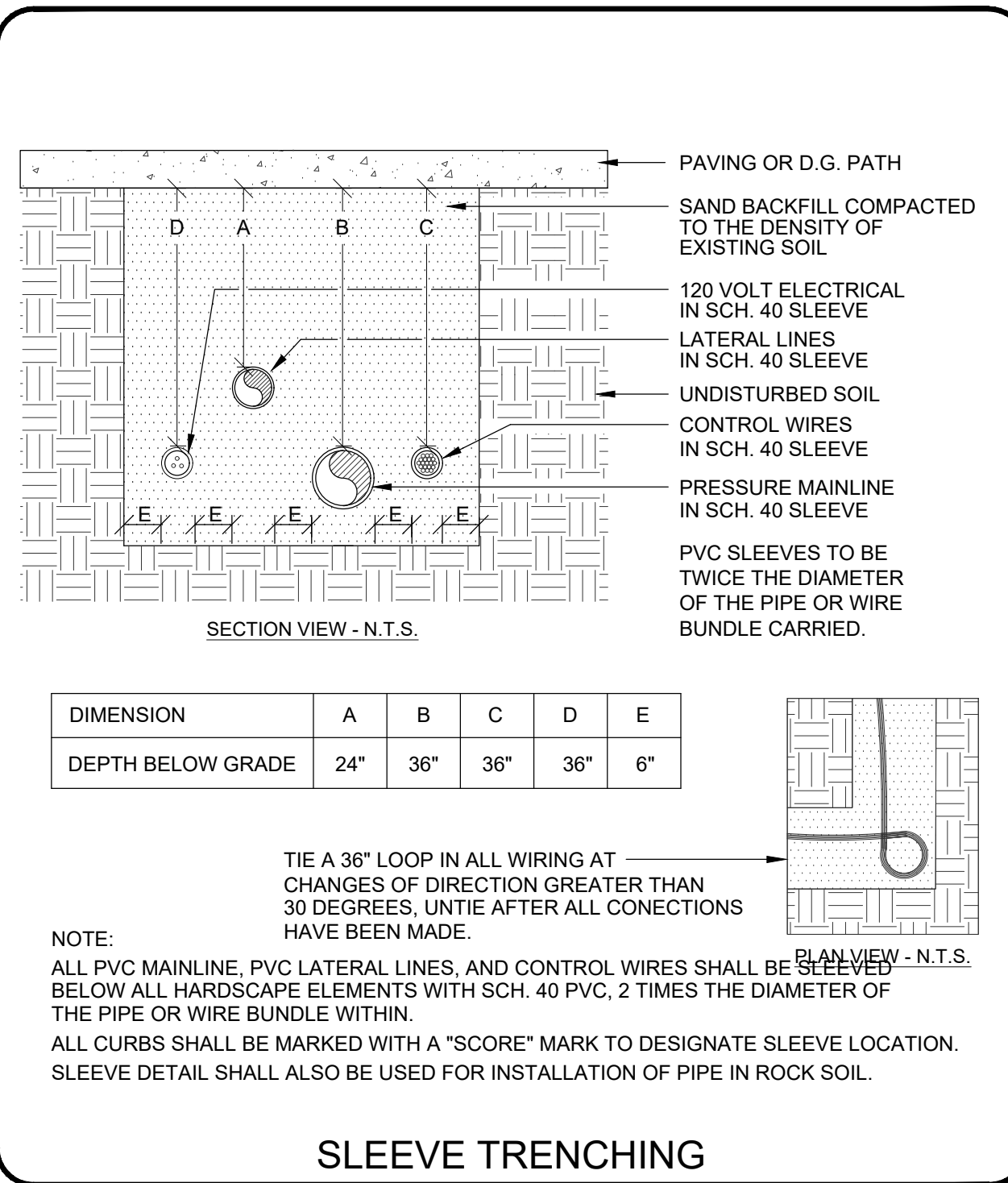
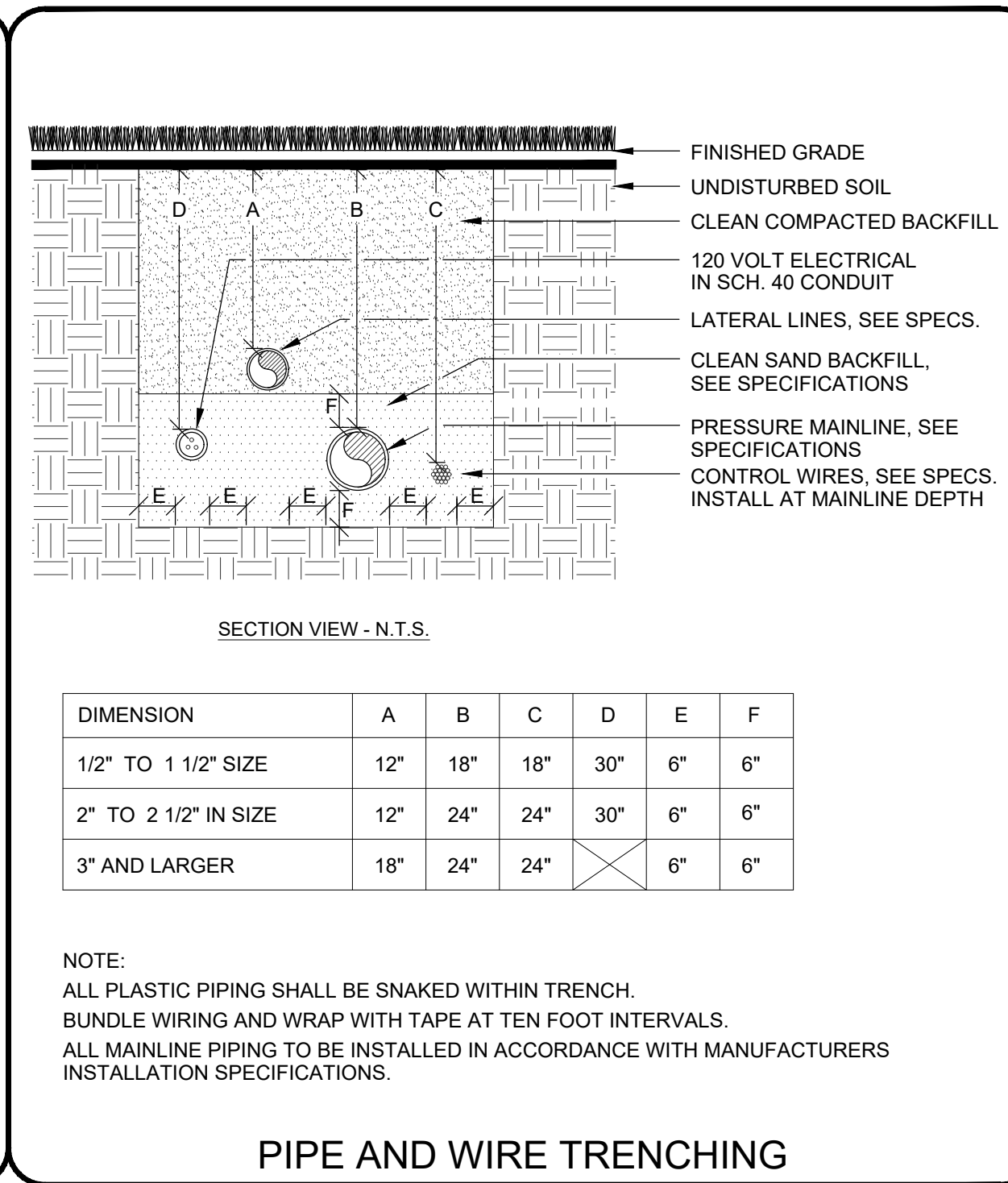
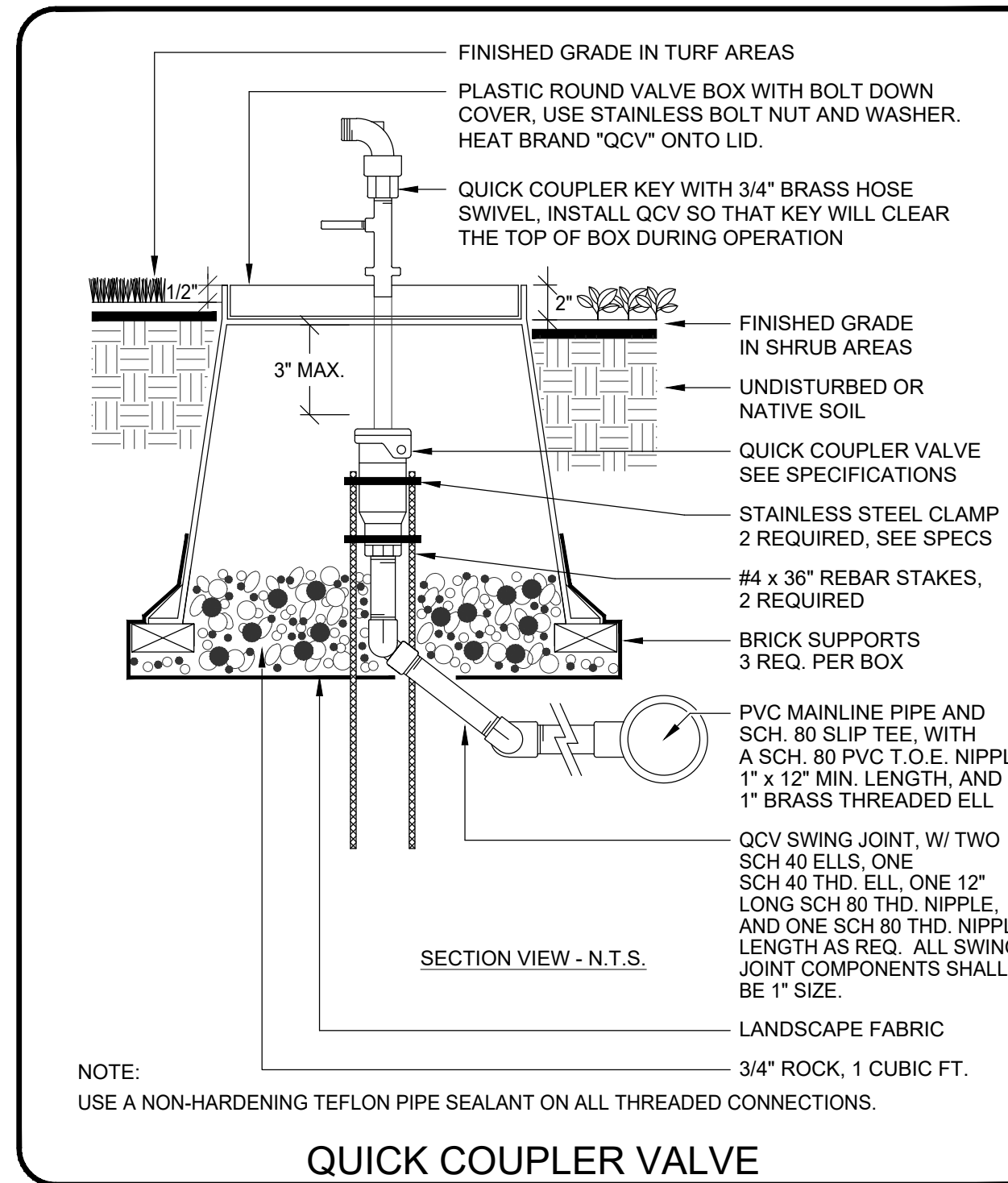
silver studio
LANDSCAPE ARCHITECTURE
ARCHITECTURE
INTERIORS
DESIGN

LANDSCAPE ARCHITECT
STATE OF CALIFORNIA

consultant



EXISTING IRRIGATION CONTROLLER
EXTEND NEW REMOTE CONTROL WIRES TO THIS CONTROLLER



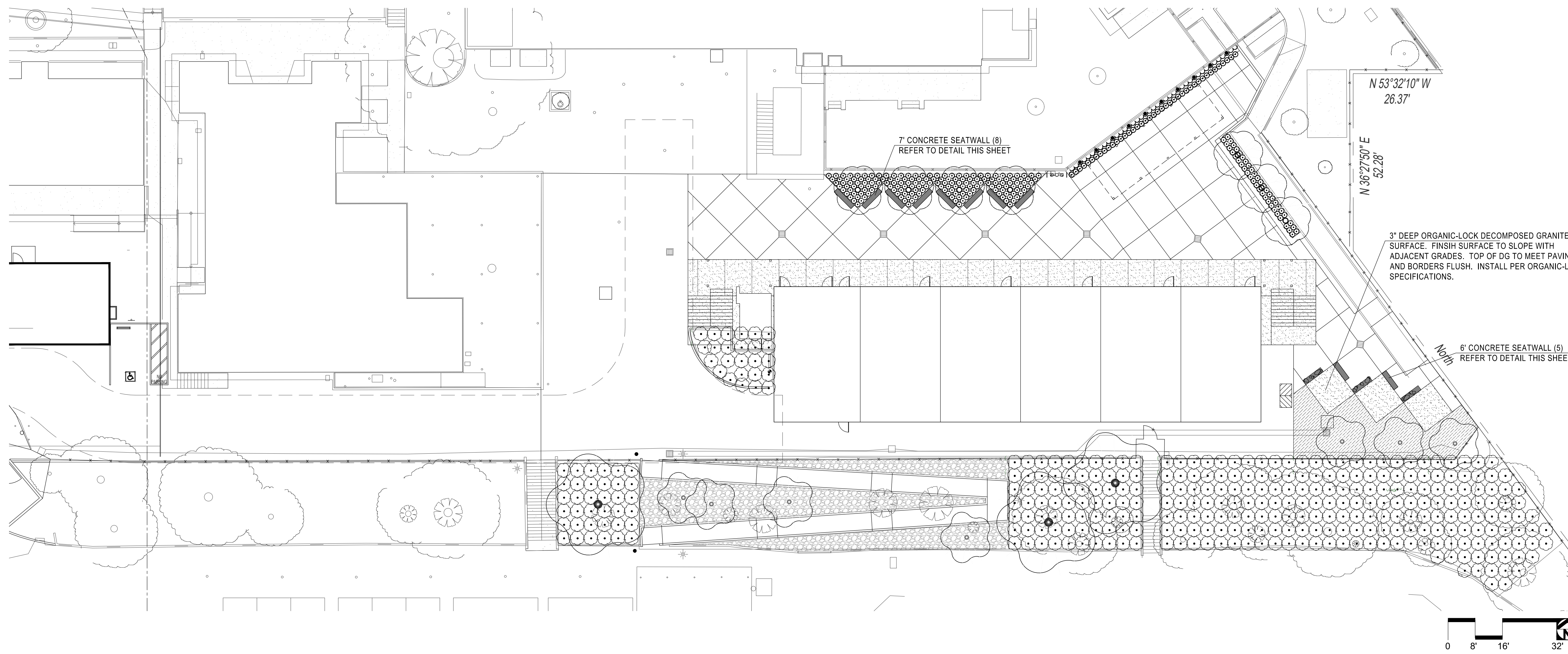
MONTE VISTA ELEMENTARY SCHOOL
2-STORY MODULAR CLASSROOM BUILDING

GLENDALE UNIFIED SCHOOL DISTRICT
2620 ORANGE AVENUE
LA CRESCENTA - MONTEROSE, CALIFORNIA 91214

owner

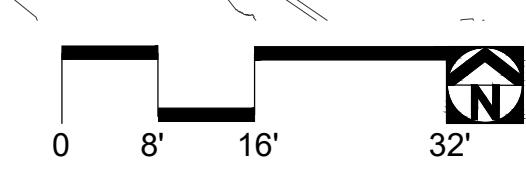
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drawn by: checked by:
date: AUGUST 25 2021
Rev: date: description:
drawing title:
IRRIGATION PLAN
drawing no.:
L1.01
drawing of

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PINUS HALIPENSIS	WUCOLS 3: LOW
ALEPPO PINE	50\"/>
24\"/>	
PINUS CANARIENSIS	WUCOLS 3: LOW
CANARY ISLAND PINE	50\"/>
24\"/>	
PRUNUS CERASIFERA	WUCOLS 3: MED
'KRAUTER VESUVIUS'	20\"/>
48\"/>	
MYOPORUM PARVIFOLIUM	WUCOLS 3: LOW
'PINK'	12\"/>
1-GAL @ 36\"/>	
NO-MOW FESCUE	WUCOLS 3: LOW
6\"/>	
COTONEASTER DAMMERI	WUCOLS 3: LOW
'CORAL BEAUTY'	12\"/>
1-GAL @ 48\"/>	
DIANELLA CAERULEA	WUCOLS 3: LOW
'CASSA BLUE'	12\"/>
1-GAL @ 18\"/>	
PARTHENOCISSUS	WUCOLS 3: MED
'HACIENDA CREEPER'	TENDRIL VINE
5-GAL STAKED @ 72\"/>	
PINUS CANARIENSIS	WUCOLS 3: LOW
CANARY ISLAND PINE	35\"/>
24\"/>	

- 3\"/>
- LOCAL SOURCE GRANITE BOULDERS
- 60\"/>
- 48\"/>
- 30\"/>
- ALL PLANTER AREAS WITH SHRUBS TO RECEIVE AN APPROVED 2\"/>
- SOURCE OF BASE SHEETS IS TBP ARCHITECTS.
 - REFER TO CIVIL ENGINEER'S UTILITY AND GRADING AND DRAINAGE PLANS FOR UTILITY LOCATION AND DRAINAGE INFORMATION. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE PLANS OR IF THERE ARE DISCREPANCIES BETWEEN THE PLANS, CONTACT THE LANDSCAPE ARCHITECT FOR DIRECTION AS TO HOW TO PROCEED.
 - VERIFY LOCATIONS OF PERTINENT SITE IMPROVEMENTS INSTALLED UNDER OTHER SECTIONS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT LANDSCAPE ARCHITECT FOR INSTRUCTIONS PRIOR TO COMMENCING WORK.
 - EXACT LOCATIONS OF PLANT MATERIALS TO BE APPROVED BY THE LANDSCAPE ARCHITECT POST INSTALLATION. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST PLANTS TO EXACT LOCATION IN FIELD.
 - VERIFY PLANT COUNTS AND SQUARE FOOTAGES. QUANTITIES ARE PROVIDED AS OWNER INFORMATION ONLY. IF QUANTITIES ON PLANT LIST DIFFER FROM GRAPHIC INDICATIONS, THEN GRAPHICS SHALL PREVAIL.
 - CONTACT THE LOCAL UNDERGROUND UTILITY SERVICES FOR UTILITY LOCATION AND IDENTIFICATION.
 - PERFORM EXCAVATION IN THE VICINITY OF UNDERGROUND UTILITIES WITH CARE AND IF NECESSARY, BY HAND. THE CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK AND DISRUPTION OR DAMAGE TO UTILITIES SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.
 - TREES SHALL BEAR SAME RELATION TO FINISHED GRADE AS IT BORE TO EXISTING, OR AS PER TREE PLANTING DETAIL.
 - TREES TO BE PLANTED A MINIMUM OF 4- FEET FROM FACE OF BUILDING, OR PAVEMENT, EXCEPT AS APPROVED BY LANDSCAPE ARCHITECT.
 - PROVIDE MATCHING FORMS AND SIZES FOR PLANT MATERIALS WITHIN EACH SPECIES AND SIZE DESIGNATED ON THE DRAWINGS.
 - PRUNE NEWLY PLANTED TREES ONLY AS DIRECTED BY LANDSCAPE ARCHITECT.
 - ALIGN AND EQUALLY SPACE IN ALL DIRECTIONS TREES AND SHRUBS SO DESIGNATED PER THESE NOTES AND DRAWINGS.
 - FINISH GRADES OF PLANTER AREAS SHALL BE 2-INCHES BELOW ADJACENT PAVING OR TOP OF WALL UNLESS OTHERWISE NOTED.
 - PROVIDE SPECIFIED EDGING AS DIVIDER BETWEEN PLANTING BEDS.
 - REMOVE ENTIRE CONTAINER FROM ROOTBALL.
 - LANDSCAPE ARCHITECT TO REVIEW PLANT MATERIALS AT SOURCE OR BY PHOTOGRAPHS.



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355 S. GRAND AVE. SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159/0726

agency

TBP ARCHITECTS
architecture
planning
interiors

TBP ARCHITECTURE
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300

architect

silver ear studio
interior design
landscape architecture
newport beach, ca

LANDSCAPE ARCHITECT
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owner

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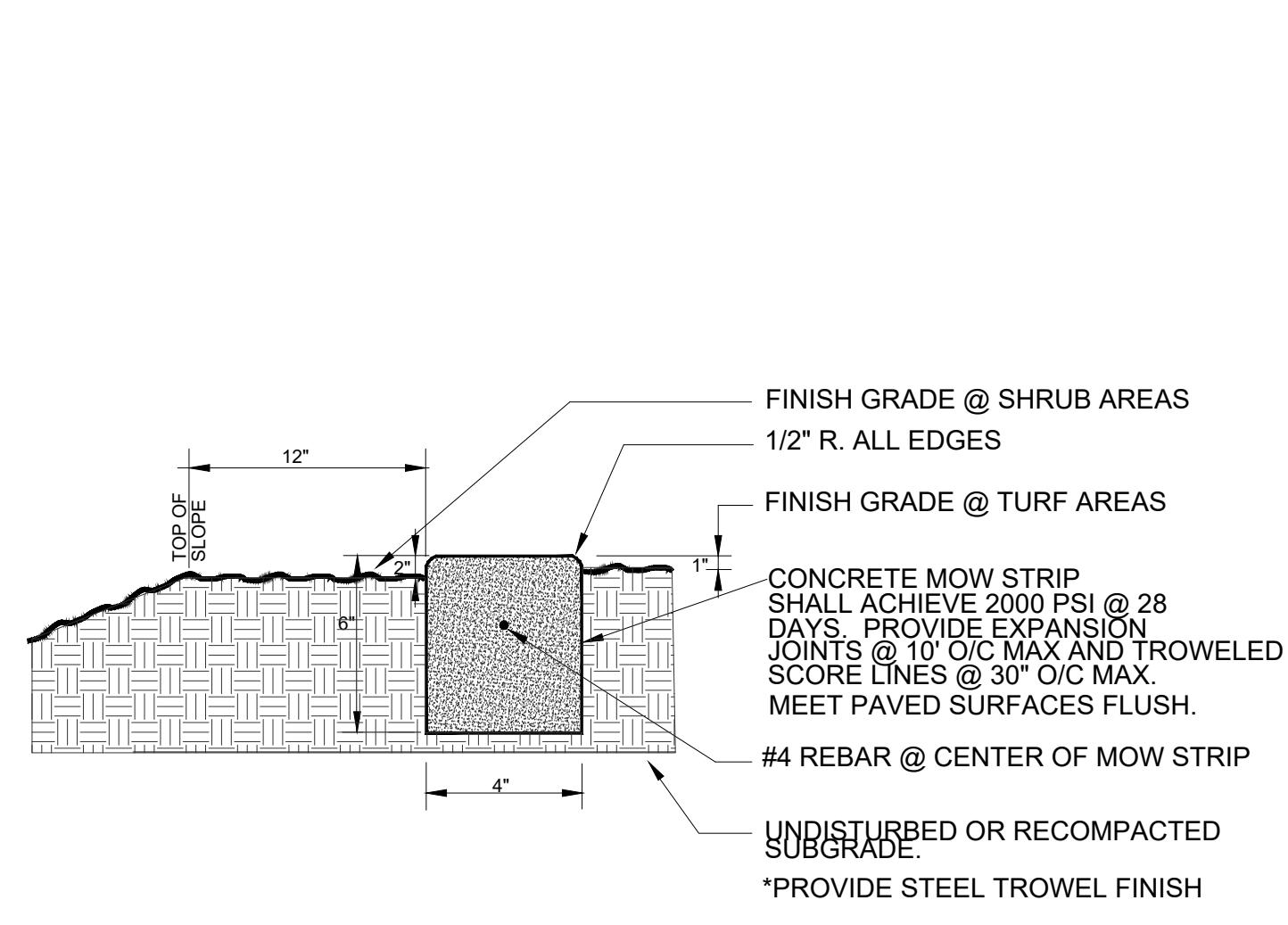
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date: AUGUST 25 2021

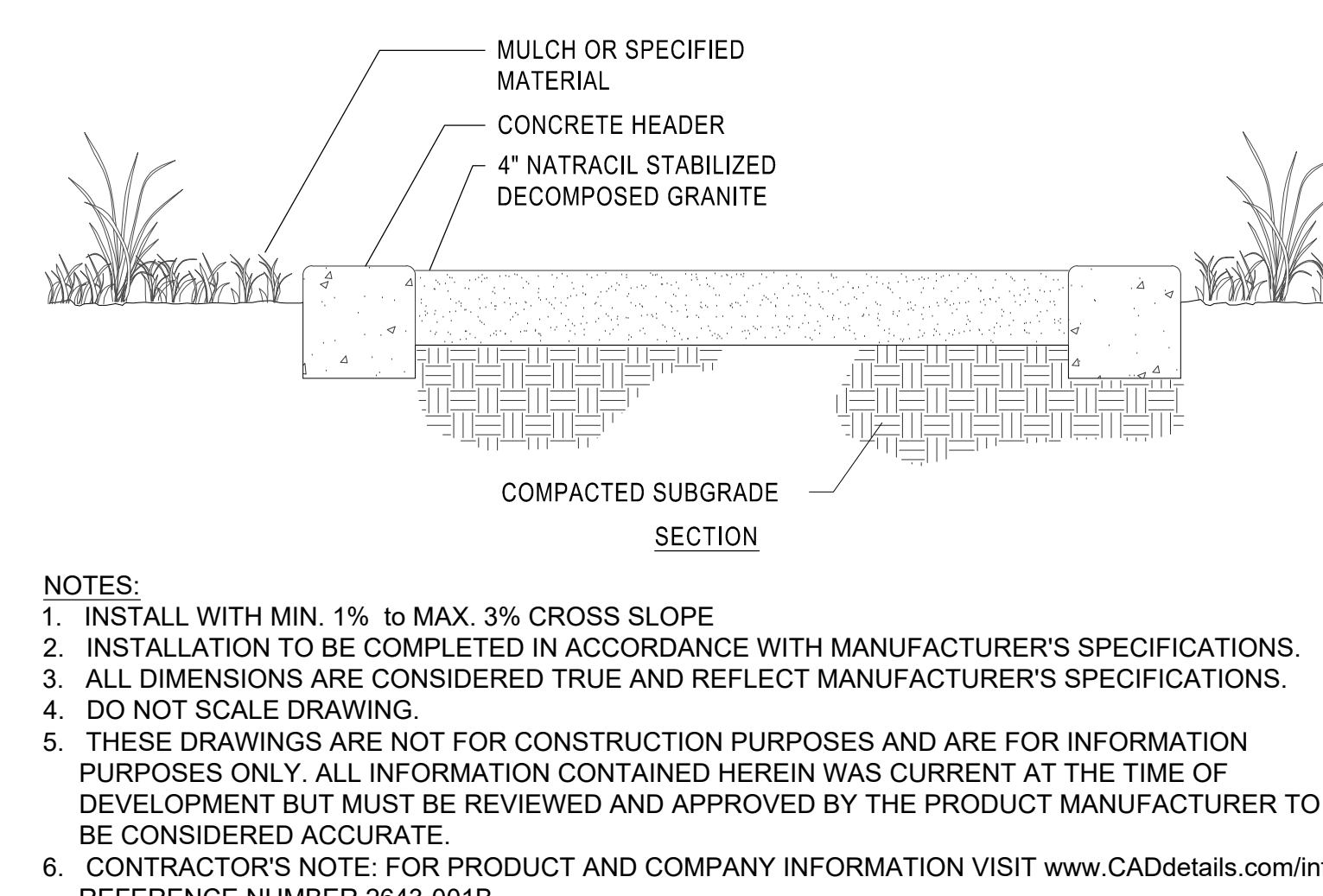
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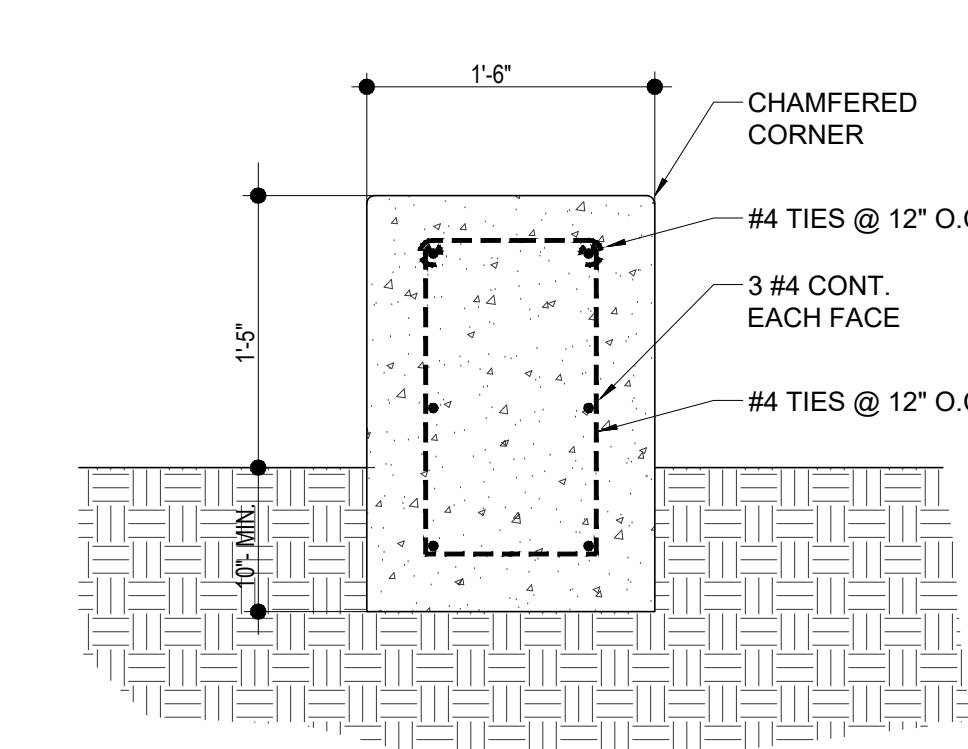
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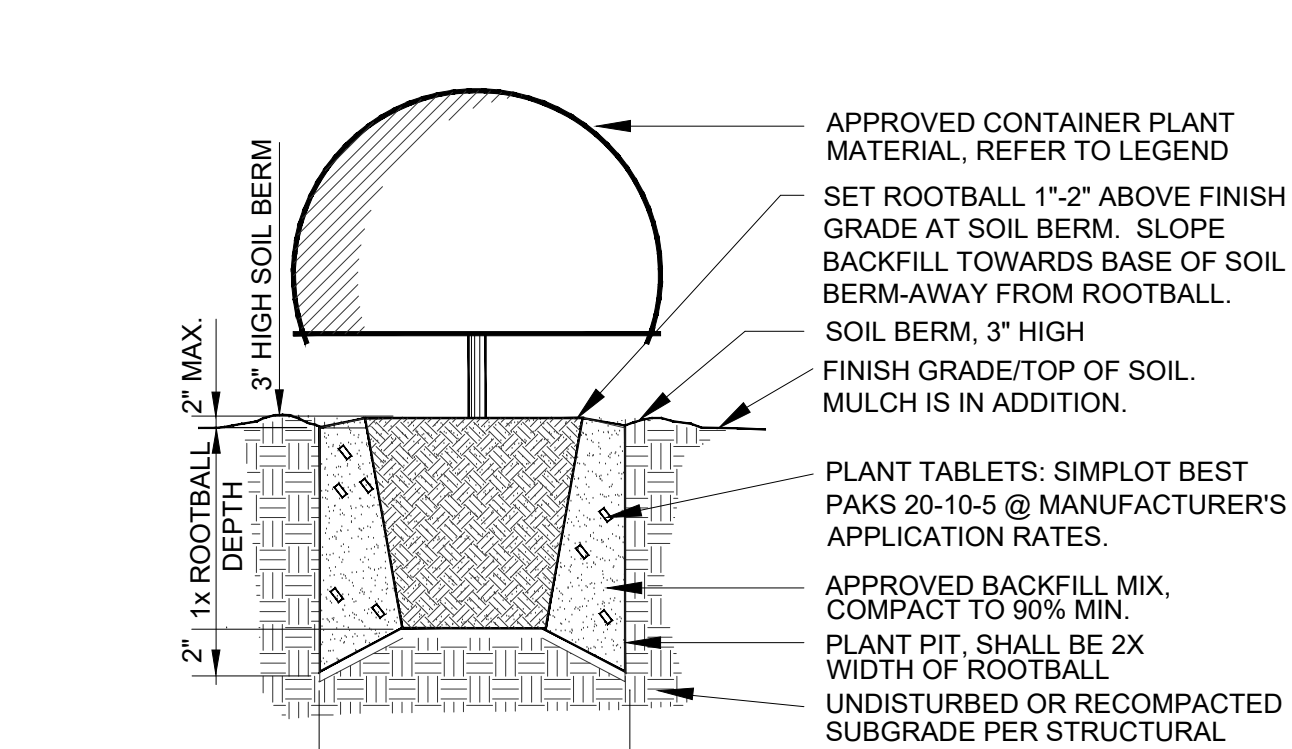
E. CONCRETE LAWN EDGE



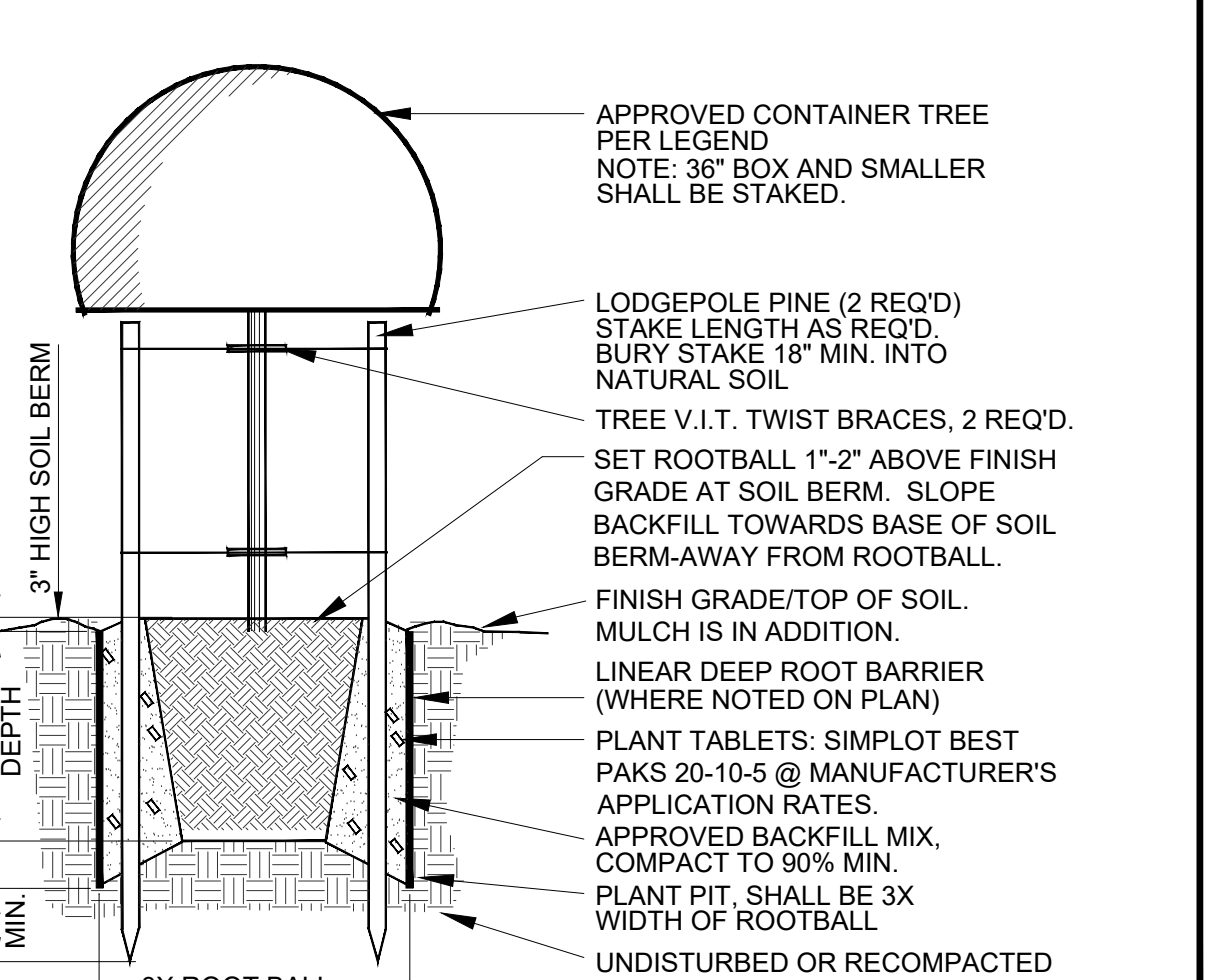
D. DECOMPOSED GRANITE W/ORGANIC LOCK



C. SEAT WALL
17 LOCATIONS



A. SHRUB PLANTING

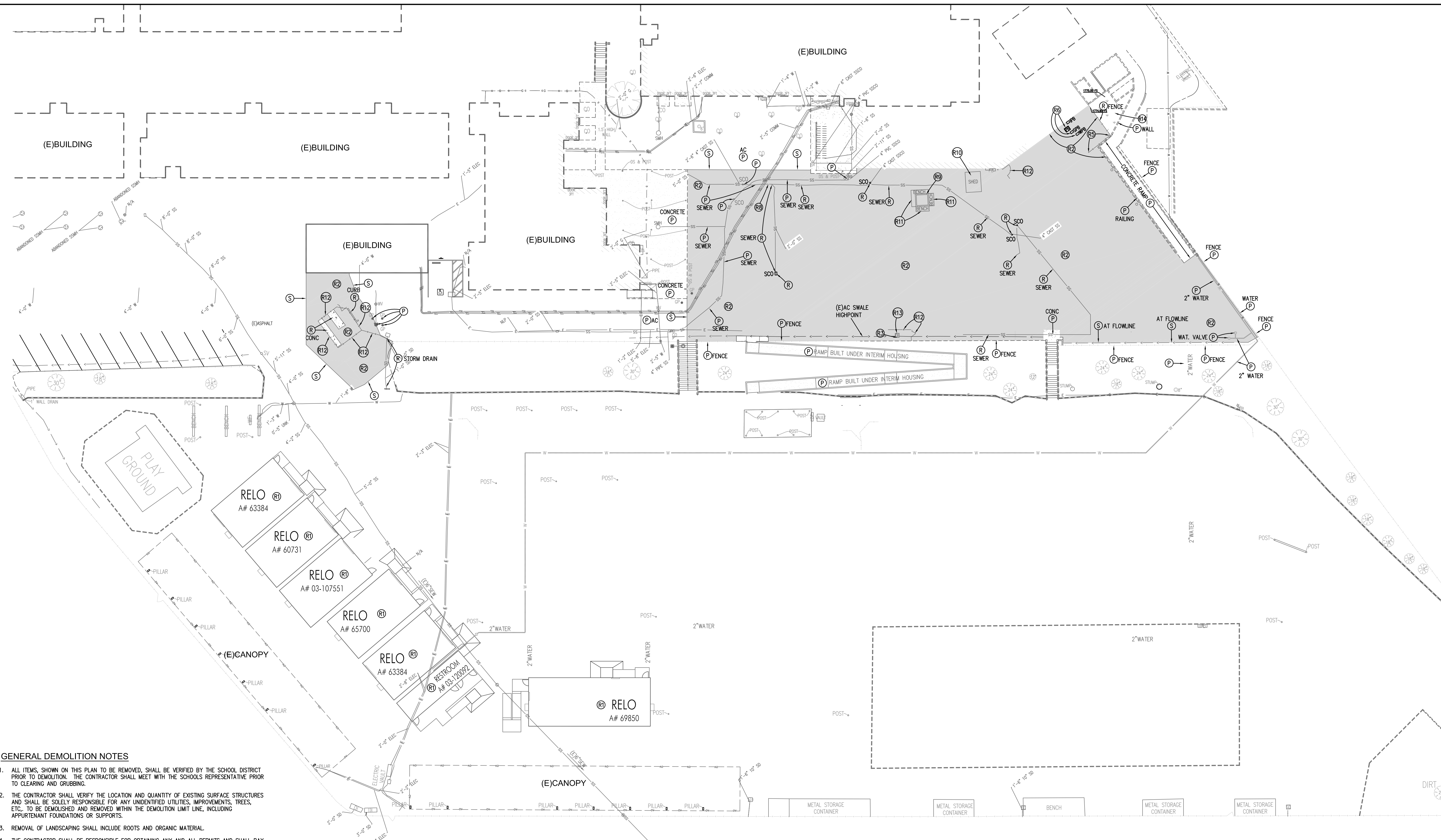


B. TREE PLANTING

- NOTES:
- INSTALL WITH MIN. 1% TO MAX. 3% CROSS SLOPE
 - INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.
 - DO NOT SCALE DRAWING.
 - THESE DRAWINGS ARE NOT FOR CONSTRUCTION PURPOSES AND ARE FOR INFORMATION PURPOSES ONLY. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
 - CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info REFERENCE NUMBER 2643-001B.

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GENERAL DEMOLITION NOTES

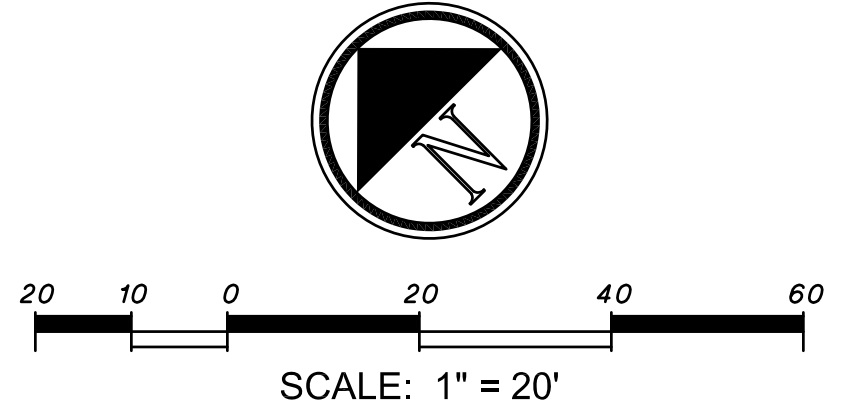
1. ALL ITEMS SHOWN ON THIS PLAN TO BE REMOVED, SHALL BE VERIFIED BY THE SCHOOL DISTRICT PRIOR TO DEMOLITION. THE CONTRACTOR SHALL MEET WITH THE SCHOOLS REPRESENTATIVE PRIOR TO CLEARING AND GRUBBING.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION AND QUANTITY OF EXISTING SURFACE STRUCTURES AND SHALL BE SOLELY RESPONSIBLE FOR ANY UNIDENTIFIED UTILITIES, IMPROVEMENTS, TREES, ETC., TO BE DEMOLISHED AND REMOVED WITHIN THE DEMOLITION LIMIT LINE, INCLUDING APPURTENANT FOUNDATIONS OR SUPPORTS.
3. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIAL.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS AND SHALL PAY ALL FEES NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION AND DISPOSAL OF SAID MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FIELD VERIFY AND FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK. ALL ITEMS TO BE REMOVED SHALL BE MARKED BY THE CONTRACTOR PRIOR TO DEMOLITION.
6. DAMAGE TO ANY EXISTING UTILITIES AND SERVICES WHICH ARE TO REMAIN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND.
7. TEMPORARY EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PREVENT DEBRIS AND UNSUITABLE MATERIALS FROM ENTERING STORM DRAIN, SANITARY SEWERS AND STREETS.
8. DUST CONTROL SHALL BE IMPLEMENTED DURING DEMOLITION.
9. DEMOLITION IS LIMITED TO WITHIN DEMOLITION LIMIT LINE UNLESS NOTED OTHERWISE.
10. THE CONTRACTOR SHALL PREPARE HIS OWN UNDERGROUND UTILITY MAPPING SURVEY OF THE SITE AND MARK, WITH PAINT, THE LOCATIONS OF ALL EXISTING UTILITIES FOUND PRIOR TO DEMOLITION.
11. THE CONTRACTOR SHALL DEMOLISH AND REMOVE ALL LANDSCAPING WATERING SYSTEMS WITHIN THE DEMOLITION LIMIT LINE UNLESS DESIGNATED TO REMAIN IN PLACE ON THE PLANS. WHERE THE DEMOLITION IMPACTS EXISTING LANDSCAPE TO REMAIN, MODIFY THE EXISTING IRRIGATION SYSTEM, INCLUDING ADDING IRRIGATION HEADS AS NECESSARY TO MAINTAIN COMPLETE AND FULL COVERAGE OF EXISTING PLANNING.
12. CONTRACTOR SHALL NOT DAMAGE ANY PUBLIC SIDEWALK DURING THE COURSE OF HIS WORK. THE USE OF SHORING ON SCHOOL PROPERTY WILL BE REQUIRED TO PROTECT THE PUBLIC SIDEWALK IF NECESSARY.
13. THE CONTRACTOR SHALL BACKFILL SOIL IN THE EXCAVATED TREE ROOT PITS AND THE TRENCHES FOR REMOVED EXISTING UNDERGROUND STRUCTURES, UTILITIES, AND IMPROVEMENTS.
14. THE CONTRACTOR SHALL NOT ABANDON-IN-PLACE ANY EXISTING UNDERGROUND STRUCTURE, UTILITY, OR IMPROVEMENT SO DESIGNATED FOR REMOVAL ON THE PROJECT PLANS UNLESS DIRECTED TO BY THE OWNER.
15. CONTRACTOR TO SAWCUT ALL EXISTING A.C. AND CONCRETE PAVEMENT AT DEMOLITION LIMIT LINE. CONTRACTOR SHALL REMOVE SIDEWALK, CURB & GUTTER TO THE NEAREST JOINT.
16. CONTRACTOR SHALL REPLACE ALL EXISTING IMPROVEMENTS OUTSIDE THE DEMOLITION LIMIT LINE THAT ARE DAMAGED DURING CONSTRUCTION TO MATCH EXISTING, INCLUDING PERMANENT TRENCH RESURFACING.
17. CONTRACTOR SHALL FIELD VERIFY THAT THE REMOVAL OF EXISTING UTILITIES WILL NOT IMPACT AREA OPERATIONS.
18. FOR REMOVAL, RELOCATION AND PROTECTION OF EXISTING ELECTRICAL AND COMMUNICATION CONDUITS, AND REMOVAL OF EXISTING LIGHT AND POWER POLES SEE ELECTRICAL SITE PLAN.
19. CONTRACTOR IS RESPONSIBLE TO KEEP ALL UTILITIES OPERATIONAL THAT SERVES FACILITIES OUTSIDE THE SCOPE OF THE DEMOLITION ZONE. CONTRACTOR IS ALSO RESPONSIBLE TO REROUTE UTILITIES IF NECESSARY TO COMPLETE DEMOLITION.
20. CONTRACTOR SHALL INSTALL A TEMPORARY MINIMUM 8' HIGH CHAIN LINK CONSTRUCTION FENCE, WITH GREEN SCREEN, AROUND PERIMETER OF DEMOLITION AREA.
21. ALL EXISTING DRAINAGE STRUCTURES ON SITE SHALL BE PROTECTED AND REMAIN FUNCTIONAL DURING DEMOLITION AND THROUGH THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THESE STRUCTURES, OR DAMAGE CAUSED TO ADJACENT PROPERTIES DUE TO THE OBSTRUCTION OF THESE STRUCTURES.
22. ALL CONCRETE & CMU BLOCK WALLS & PLANTERS SHOWN ON THIS PLAN TO BE REMOVED SHALL INCLUDE WALL FOOTINGS & FOUNDATIONS IN THEIR REMOVAL.
23. THE PROVISIONS OF CALIFORNIA FIRE CODE CHAPTER 14 AND CALIFORNIA BUILDING CODE CHAPTER 37 SHALL BE ENFORCED ON THIS PROJECT.
24. CONTRACTOR SHALL ARRANGE TO SHUT OFF UTILITIES WITH EACH UTILITY COMPANY.
25. BEFORE EXCAVATING ANY TRENCH 5 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL SUBMIT A DETAILED PLAN TO THE SCHOOL SHOWING THE DESIGN OF SHORING, BRACING, SLOPING, OR OTHER PROVISIONS TO BE MADE FOR THE WORKERS' PROTECTION FROM THE HAZARD OF CAVING GROUND DURING THE EXCAVATION OF SUCH TRENCH. IF THE PLAN VARIES FROM THE SHORING SYSTEM STANDARDS, THE PLAN SHALL BE PREPARED BY A REGISTERED CIVIL ENGINEER. NO EXCAVATION SHALL START UNTIL THE SCHOOL HAS ACCEPTED THE PLAN AND THE CONTRACTOR HAS OBTAINED A PERMIT FROM THE STATE DIVISION OF INDUSTRIAL SAFETY.

- DEMOLITION NOTES:**
- (P) PROTECT EXISTING IMPROVEMENT IN PLACE.
 - (S) SAWCUT EXISTING PAVEMENT WITH A CLEAN EDGE.
 - (R) EXISTING RELOCATABLE BUILDING TO BE SALVAGED AND RETURNED TO THE DISTRICT OFFSITE.
 - (Z) REMOVE 3" OF ASPHALT PAVEMENT AND 3" OF BASE MATERIAL EXISTING PAVEMENT SECTION NOTED IN SOILS REPORT #3-220-0617, DATED 9-18-2020 BY SALEM ENGINEERING GROUP INC.
 - (C) CAP OFF EXISTING UTILITY AND ABANDON.
 - (B) REMOVE CONCRETE BASIN AND SEWER PUMP AND RETURN TO OWNER.
 - (F) REMOVE RAILING AND FOOTINGS.
 - (U) REMOVE EXISTING UTILITY BOXES.
 - (W) REMOVE EXISTING WATER LINE.
 - (E) CAP EXISTING SEWER CLEANOUT WITH FERROCE RUBBER OMK CAP OR EQUAL.
 - (S) REMOVE EXISTING CONCRETE CURB AND TREE WELL.
 - (R) RELOCATE EXISTING SHED TO LOCATION PROVIDED BY OWNER.
 - (B) REMOVE EXISTING BENCHES AND RETURN TO OWNER.
 - (L) REMOVE EXISTING CHAINLINK FENCING, GATE AND FOOTINGS.
 - (I) REMOVE EXISTING STORM DRAIN INLET.
 - (L) REMOVE EXISTING LANDSCAPE/TURF

NOTE TO CONTRACTOR: BEFORE DEMOLITION OCCURS, THE CONTRACTOR SHALL COMPLETE HIS OWN UNDERGROUND UTILITY MAPPING SURVEY OF THE PROJECT SITE TO DETERMINE WERE EXISTING UTILITIES ARE AND WHERE POSSIBLE UNDERGROUND CONFLICTS MAY OCCUR.

HATCH LEGEND:

	= EXISTING CONCRETE PAVING TO REMAIN
	= CONCRETE PAVEMENT TO BE REMOVED
	= ASPHALT PAVEMENT & BASE TO BE REMOVED
	= EXISTING BUILDING
	= EXISTING TURF TO BE REMOVED



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 DIV. OF THE STATE ARCHITECT
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A# 03 - 12419
 DIVISION OF THE STATE ARCHITECT
 305 S. GRAND AVE. SUITE 2100
 LOS ANGELES, CA 90071
 ph: 213.897.3995 fax: 213.897.3159/0726 agency

tBP
 architecture
 planning
 interiors

tBP/Architecture
 4611 Teller Avenue
 Newport Beach, CA 92660
 ph: 949.673.0300
 architect

FPL and Associates, Inc.
 Traffic • Transportation • Civil
 30 Corporate Park, Suite 401
 Irvine, CA 92606
 Phone: 949-252-1688

REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA
 No. 37497
 Exp. 09-30-23
 consultant

**MONTE VISTA ELEMENTARY SCHOOL
 2-STORY MODULAR CLASSROOM BUILDING**

GLENDALE UNIFIED SCHOOL DISTRICT
 2620 ORANGE AVENUE
 LA CRESCENTA - MONTEROSE, CALIFORNIA 91214
 owner

tBP project number : 21056.00

file name: _____

drawn by: _____ checked by: _____

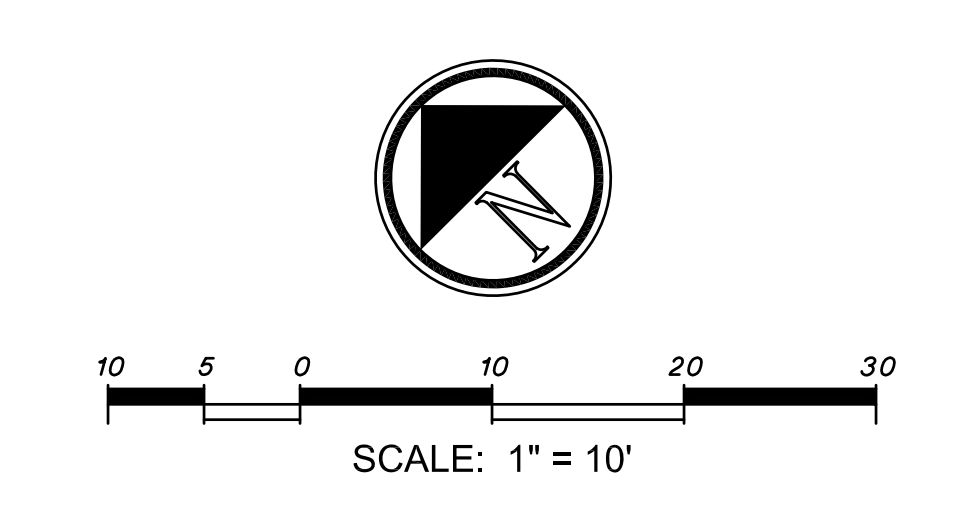
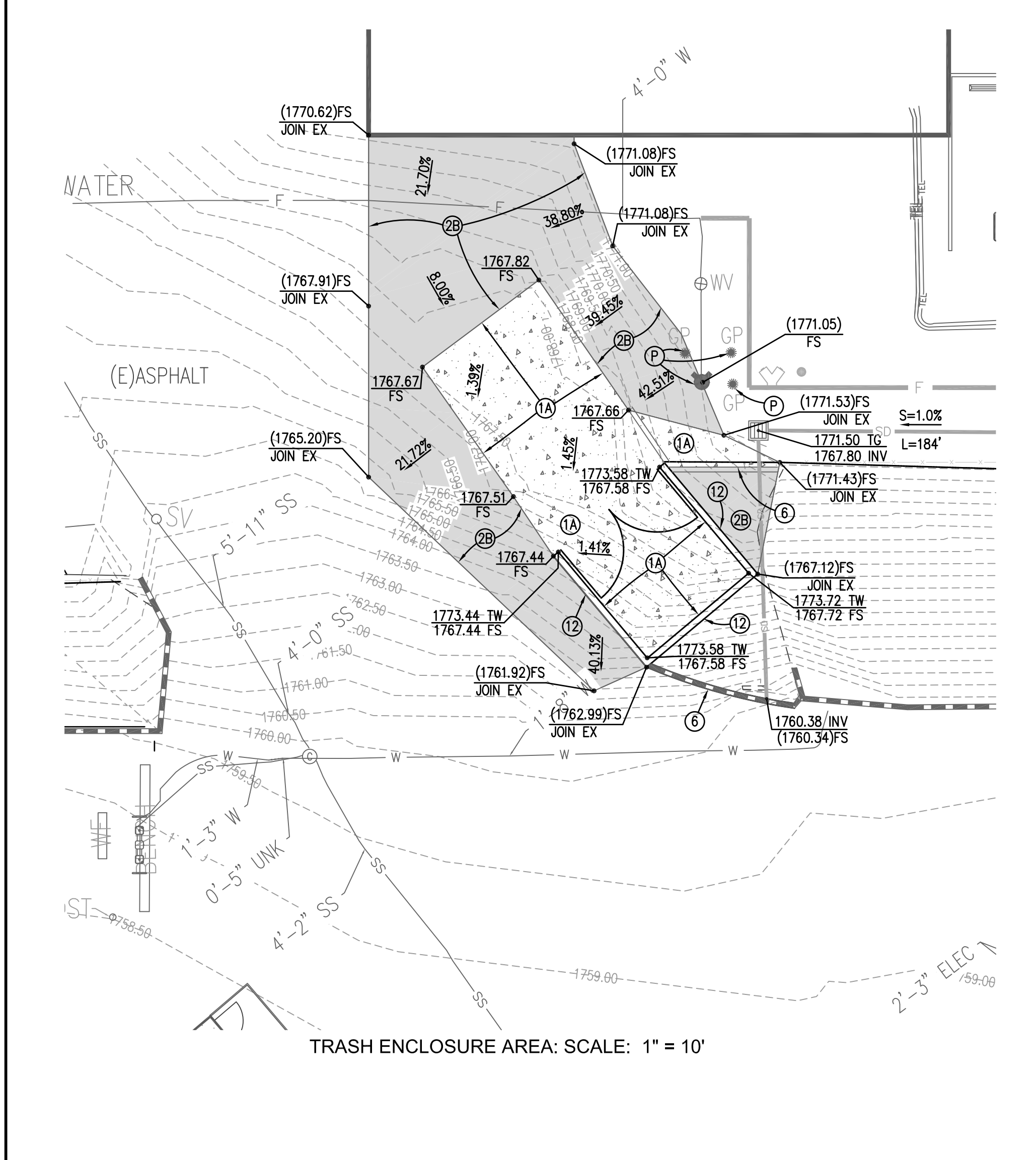
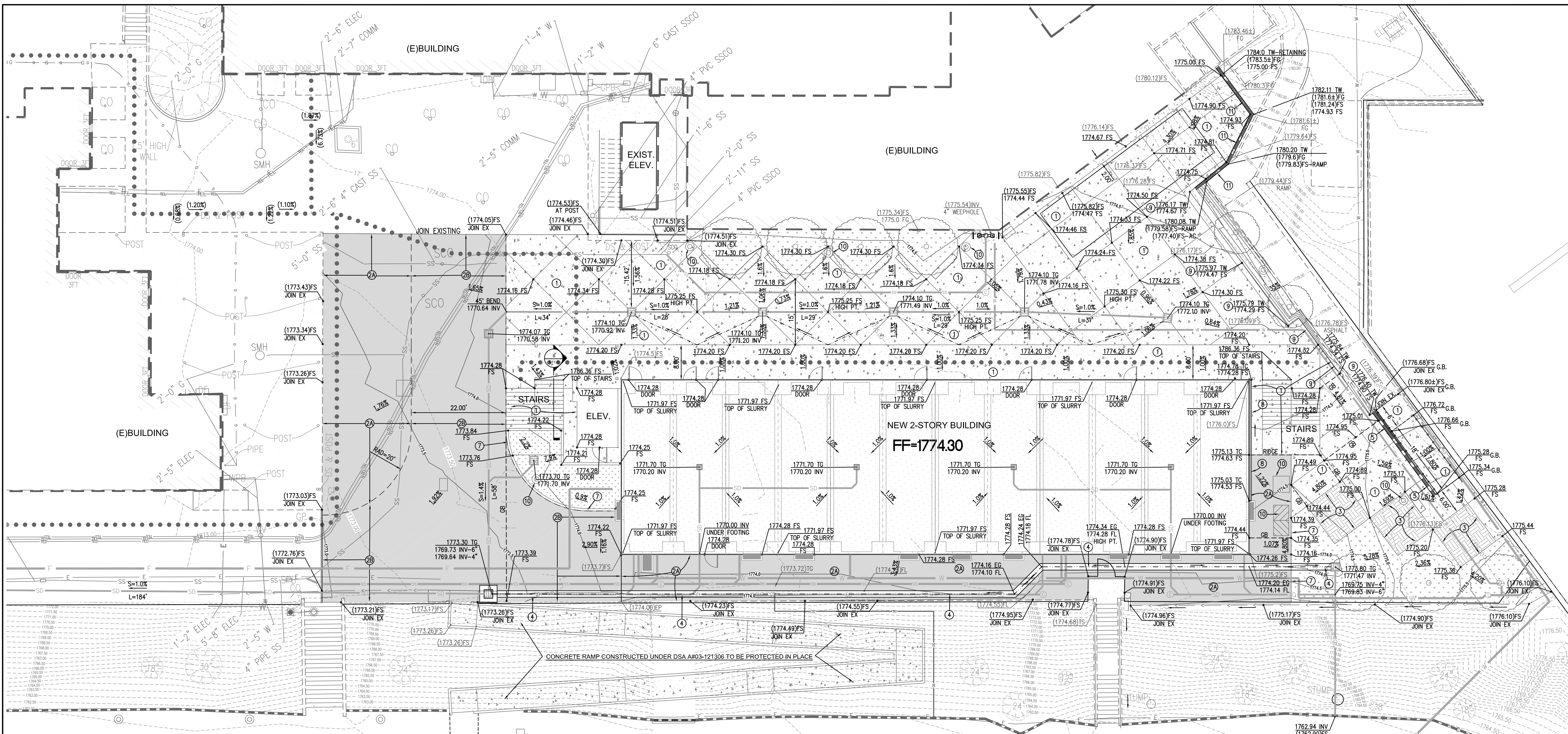
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drawing no.:
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 drawing of _____

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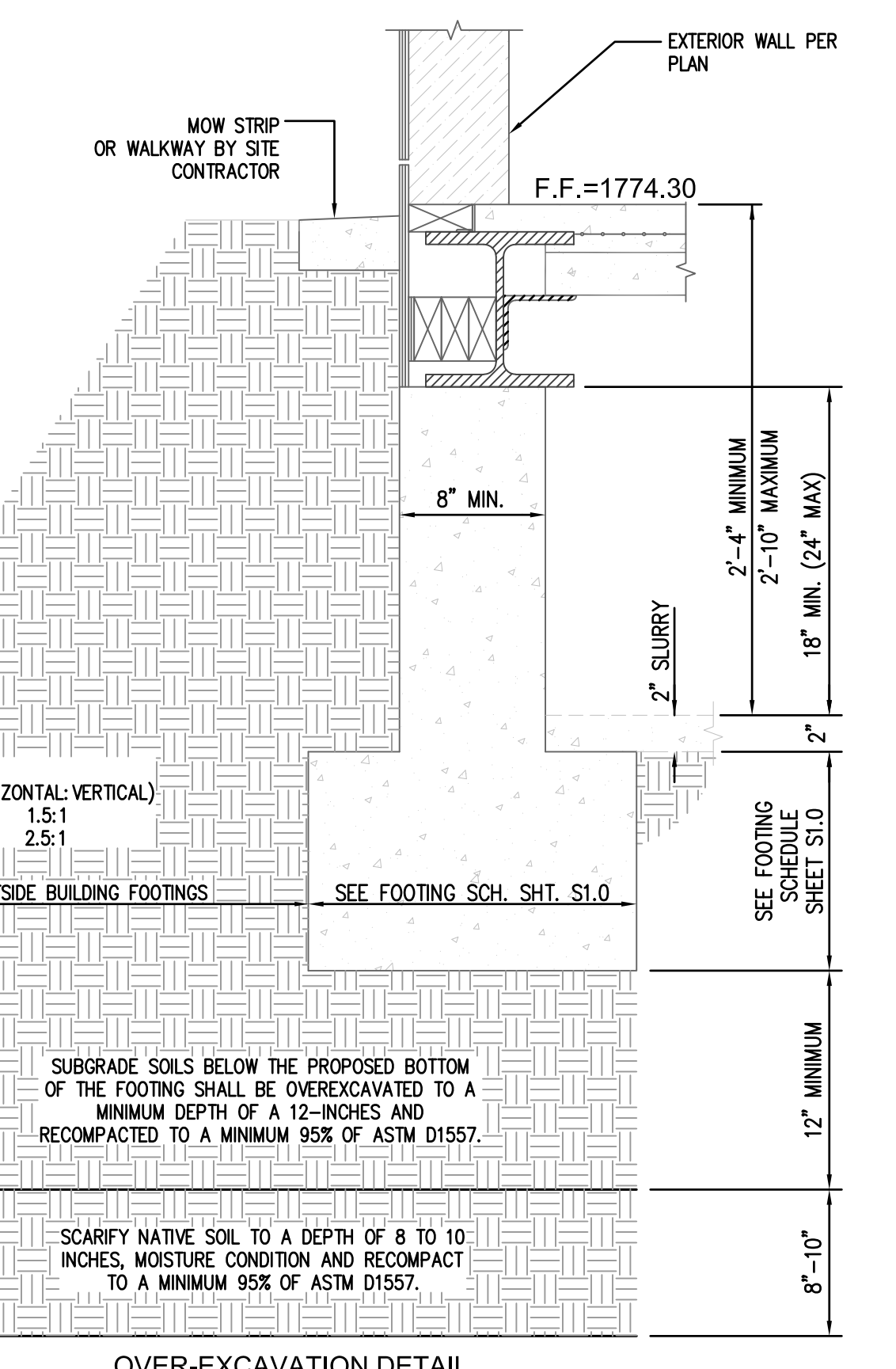


- CONSTRUCTION NOTES:**
- Ⓐ PROTECT EXISTING IMPROVEMENT IN PLACE.
 - ① CONSTRUCT LIGHT DUTY CONCRETE PAVEMENT PER DETAIL 1A ON COOS.
 - ② CONSTRUCT HEAVY DUTY CONCRETE PAVEMENT PER DETAIL 1A ON COOS.
 - ③ CONSTRUCT LIGHT DUTY ASPHALT PAVEMENT PER DETAIL 2A ON COOS.
 - ④ CONSTRUCT HEAVY DUTY ASPHALT PAVEMENT PER DETAIL 2B ON COOS.
 - ⑤ CONSTRUCT STABILIZED DECOMPOSED GRANITE PER D/L2.01.
 - ⑥ CONSTRUCT 18" WIDE CONCRETE SWALE PER DETAIL 4 ON COOS.
 - ⑦ CONSTRUCT CONCRETE RAMP PER DETAIL 14/2.00.
 - ⑧ CONSTRUCT RETAINING CURB PER ARCHITECTURAL PLAN.
 - ⑨ CONSTRUCT REDWOOD HEADER PER DETAIL 7 ON COOS.
 - ⑩ CONSTRUCT CONCRETE CURB ALONG BUILDING EDGE PER DETAIL 8 ON COOS.
 - ⑪ CONSTRUCT CONCRETE SEAT WALL PER DETAIL 16/AS-3.
 - ⑫ SEE SHEET ES-2 FOR INFORMATION.
 - ⑬ CONSTRUCT RETAINING WALL PER DETAIL 16/11.00.
 - ⑭ CONSTRUCT TRASH ENCLOSURE WALL PER DETAIL 2/S-1.1.

HATCH LEGEND:

	= EXISTING CONCRETE PAVING TO REMAIN
	= PROPOSED CONCRETE PAVEMENT ①
	= PROPOSED ASPHALT PAVEMENT ②
	= PROPOSED DECOMPOSED GRANITE ③
	= ACCESSIBLE PATH OF TRAVEL

NOTE TO CONTRACTOR: THE GENERAL CONTRACTOR IS REQUIRED TO PERFORM ALL SITE PREPARATION WORK INCLUDING BUT NOT LIMITED TO: EXCAVATION, OVER-EXCAVATION, SCARIFYING, COMPACTION & HAULING AWAY EARTH MATERIAL UNDER PROPOSED BUILDING TO FORM PIT FOR FOUNDATIONS. EXISTING SUBGRADE SOILS BELOW THE PROPOSED BOTTOM OF THE FOUNDATIONS SHOULD BE OVEREXCAVATED TO A MINIMUM DEPTH OF 12-INCHES BELOW THE BOTTOM OF THE FOOTING. THE OVEREXCAVATION SHOULD BE EXTENDED BEYOND THE EDGES OF THE FOOTINGS, A DISTANCE OF MINIMUM OF 5 FEET. PRIOR TO PLACING ANY NEW FILL, THE UPPER 8 TO 10 INCHES OF THE SUBGRADE SHOULD BE SCARIFIED AND REWORKED. ALL REWORKED SOILS AND STRUCTURAL FILLS SHOULD BE DESIGNED TO ACHIEVE AT LEAST 95% RELATIVE COMPACTION PER ASTM D1557. GENERAL CONTRACTOR SHALL ALSO INSTALL ACCESS WELLS, AIR VENTS & CONCRETE FOUNDATIONS. CONTRACTOR IS REQUIRED TO REMOVE SUPERFLUOUS SOIL AND WASTE MATERIAL, INCLUDING UNSATISFACTORY SOIL, TRASH, & DEBRIS AND LEGALLY DISPOSE OF IT OFF THE OWNER'S PROPERTY.



TEMPORARY EXCAVATION STABILITY

TEMPORARY EXCAVATIONS PLANNED FOR THE CONSTRUCTION OF THE PROPOSED BUILDING, RETAINING WALLS AND OTHER ASSOCIATED UNDERGROUND STRUCTURES MAY BE EXCAVATED, ACCORDING TO THE ACCEPTED ENGINEERING PRACTICE FOLLOWING OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS BY A CONTRACTOR EXPERIENCED IN SUCH WORK. OPEN, UNBRACED EXCAVATIONS IN UNDISTURBED SOILS SHOULD BE MADE ACCORDING TO THE TABLE BELOW:

RECOMMENDED EXCAVATION DEPTH (FT)	SLOPE (HORIZONTAL:VERTICAL)
0-5	1.5:1
5-10	2.5:1

IF, DUE TO SPACE LIMITATION, EXCAVATIONS NEAR PROPERTY LINES OR EXISTING STRUCTURES ARE PERFORMED IN A VERTICAL POSITION, SLOT CUTS, BRACED SHORINGS OR SHIELDS MAY BE USED FOR SUPPORTING VERTICAL EXCAVATIONS. THEREFORE, IN ORDER TO COMPLY WITH THE LOCAL AND STATE SAFETY REGULATIONS, A PROPERLY DESIGNED AND INSTALLED SHORING SYSTEM WOULD BE REQUIRED TO ACCOMPLISH PLANNED EXCAVATIONS AND INSTALLATION. A SPECIALTY SHORING CONTRACTOR SHOULD BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF SUCH A SHORING SYSTEM DURING CONSTRUCTION.

BRACED SHORINGS SHOULD BE DESIGNED FOR A MAXIMUM PRESSURE DISTRIBUTION OF 30H, (WHERE H IS THE DEPTH OF THE EXCAVATION IN FEET). THE FOREGROUND DOES NOT INCLUDE EXCESS HYDROSTATIC PRESSURE OR SURCHARGE LOADING. FIFTY PERCENT OF ANY SURCHARGE LOAD, SUCH AS CONSTRUCTION EQUIPMENT WEIGHT, SHOULD BE ADDED TO THE LATERAL LOAD GIVEN HEREIN. EQUIPMENT TRAFFIC SHOULD CONCURRENTLY BE LIMITED TO AN AREA AT LEAST 3 FEET FROM THE SHORING FACE OR EDGE OF THE SLOPE.

THE EXCAVATION AND SHORING RECOMMENDATIONS PROVIDED HEREIN ARE BASED ON SOIL CHARACTERISTICS DERIVED FROM THE BORINGS WITHIN THE AREA. VARIATIONS IN SOIL CONDITIONS WILL LIKELY BE ENCOUNTERED DURING THE EXCAVATIONS. SALEM ENGINEERING GROUP, INC. SHOULD BE AFFORDED THE OPPORTUNITY TO PROVIDE FIELD REVIEW TO EVALUATE THE ACTUAL CONDITIONS AND ACCOUNT FOR FIELD CONDITION VARIATIONS NOT OTHERWISE ANTICIPATED IN THE PREPARATION OF THIS RECOMMENDATION. SLOPE HEIGHT, SLOPE INCLINATION, OR EXCAVATION DEPTH SHOULD IN NO CASE EXCEED THOSE SPECIFIED IN LOCAL, STATE, OR FEDERAL SAFETY REGULATION, (E.G. OSHA) STANDARDS FOR EXCAVATIONS, 29 CFR PART 1926, OR ASSESSOR'S REGULATIONS.

OVEREXCAVATION & RECOMPACTION NOTES:

TO MINIMIZE POST-CONSTRUCTION SOIL MOVEMENT AND PROVIDE UNIFORM SUPPORT FOR THE PROPOSED BUILDING, OVEREXCAVATION AND RECOMPACTION WITHIN THE PROPOSED BUILDING AREAS SHOULD BE PERFORMED TO A MINIMUM DEPTH OF THREE (3) FEET BELOW EXISTING GRADE OR ONE (1) FOOT BELOW PROPOSED FOOTING BOTTOM, WHICHEVER IS DEEPER. THE OVEREXCAVATION AND RECOMPACTION SHOULD ALSO EXTEND LATERALLY TO A MINIMUM OF 5 FEET BEYOND THE OUTER EDGES OF THE PROPOSED FOOTINGS.

OVEREXCAVATION AND RECOMPACTION FOR BUILDING PADS SHOULD ALSO EXTEND LATERALLY TO A MINIMUM OF 5 FEET BEYOND THE OUTER EDGES OF PROPOSED FOOTINGS. PRIOR TO PLACEMENT OF FILL SOILS, THE UPPER 8 TO 10 INCHES OF NATIVE SUBGRADE SOILS SHOULD BE SCARIFIED, MOISTURE-CONDITIONED TO NEAR OPTIMUM MOISTURE CONTENT AND RECOMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY BASED ON ASTM D1557 TEST METHOD LATEST EDITION. ALL ENGINEERED FILL (INCLUDING SCARIFIED SURFACES AND BACKFILL) SHOULD BE PLACED IN THIN LIFTS WHICH WILL ALLOW FOR ADEQUATE BONDING AND COMPACTION (TYPICALLY 6 TO 8 INCHES IN LOOSE THICKNESS). ENGINEERED FILL SOILS SHOULD BE PLACED, MOISTURE CONDITIONED TO NEAR OPTIMUM MOISTURE CONTENT, AND COMPACTED TO AT LEAST 95% RELATIVE COMPACTION.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-121419 INC.
REVIEWED FOR
SS FLS ACS
DATE: 09/29/2021

AP 03-12419
DIVISION OF THE STATE ARCHITECT
305 S. GRAND AVE. SUITE 9100
LOS ANGELES, CA 90071
ph: 213.897.3995 fax: 213.897.3159/0726 agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 architect

FPL and Associates, Inc.
Traffic • Transportation • Civil
30 Corporate Park, Suite 401
Irvine, CA 92606
Phone: 949-252-1688

REGISTERED PROFESSIONAL ENGINEER
No. 34971
Exp. 09-30-23
CIVIL
STATE OF CALIFORNIA
consultant

**MONTE VISTA ELEMENTARY SCHOOL
2-STORY MODULAR CLASSROOM BUILDING**

GLENDALE UNIFIED SCHOOL DISTRICT
2620 ORANGE AVENUE
LA CRESCENTA - MONTEROSE, CALIFORNIA 91214

owner

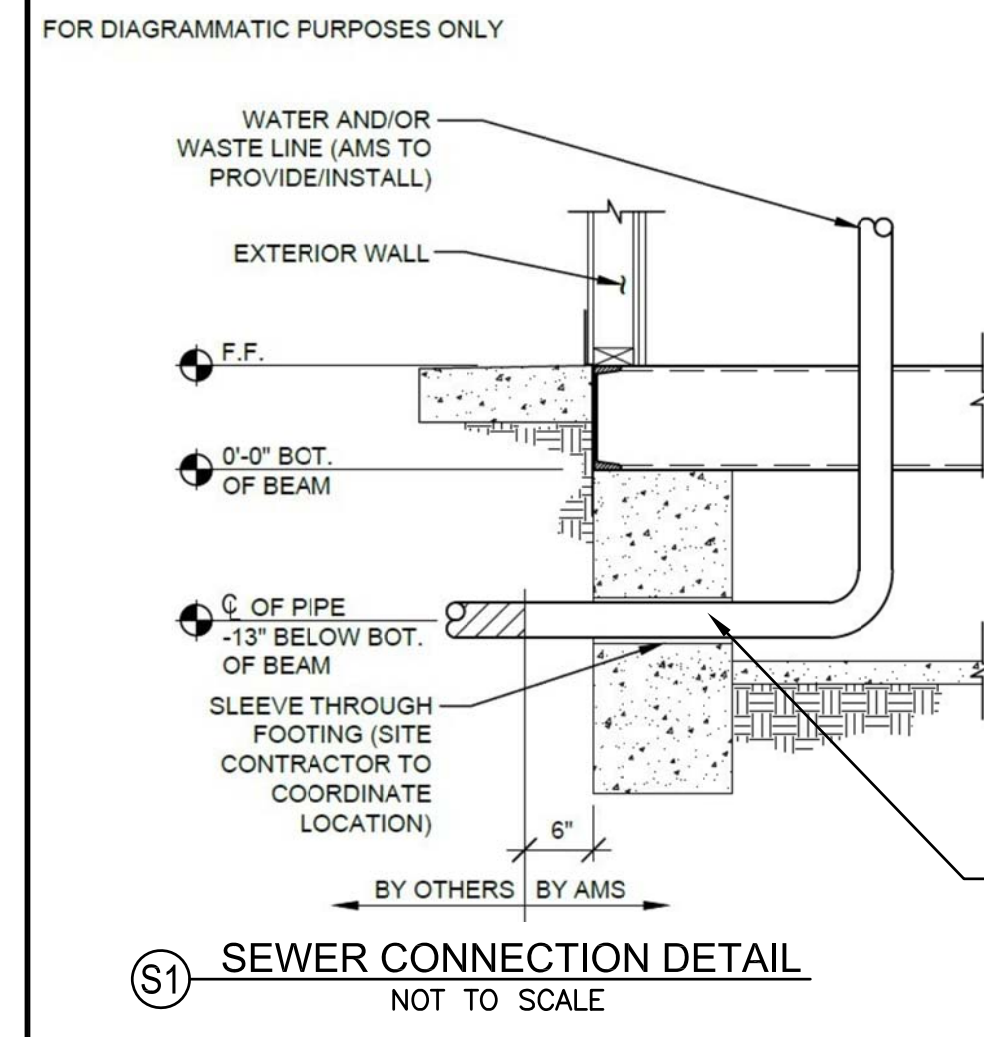
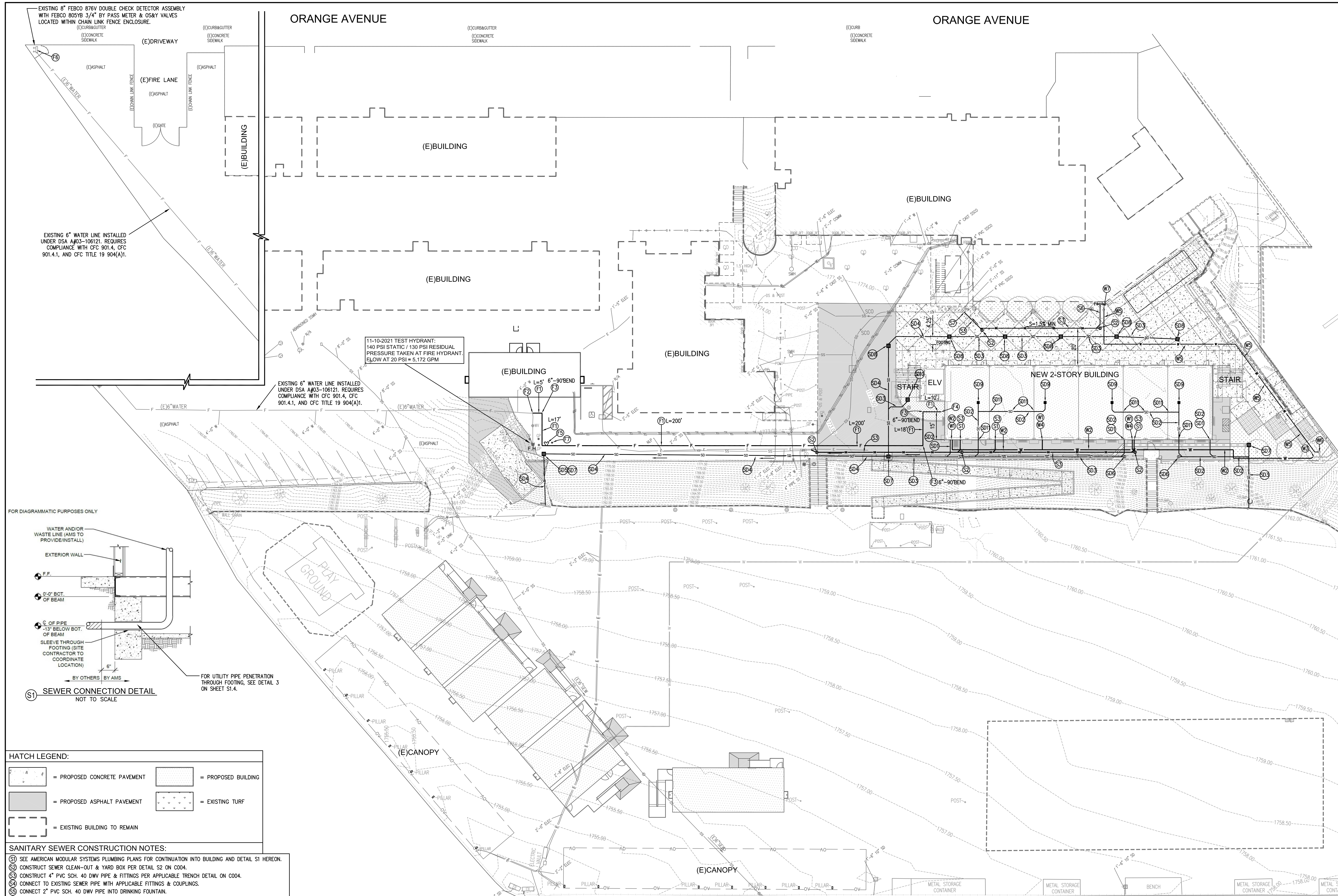
tBP project number : 21056.00

file name:
drawn by: checked by:
date: SEPTEMBER 17, 2021
Rev: date: description:

drawing title:
GRADING PLAN

drawing no.:
C002
drawing of

Plot Date: 9/20/2021 12:31:06 PM Login: Sheena Kim S:\Subba\2757H - Monte Vista ES\2-Story Modular Building\Monie Viste CO02 Grading Plan.dwg



HATCH LEGEND:

	= PROPOSED CONCRETE PAVEMENT		= PROPOSED BUILDING
	= PROPOSED ASPHALT PAVEMENT		= EXISTING TURF
	= EXISTING BUILDING TO REMAIN		

SANITARY SEWER CONSTRUCTION NOTES:

- S1 SEE AMERICAN MODULAR SYSTEMS PLUMBING PLANS FOR CONTINUATION INTO BUILDING AND DETAIL S1 HEREON.
- S2 CONSTRUCT SEWER CLEAN-OUT & YARD BOX PER DETAIL S2 ON C004.
- S3 CONSTRUCT 4" PVC SCH. 40 DWV PIPE & FITTINGS PER APPLICABLE TRENCH DETAIL ON C004.
- S4 CONNECT TO EXISTING SEWER PIPE WITH APPLICABLE FITTINGS & COUPLINGS.
- S5 CONNECT 2" PVC SCH. 40 DWV PIPE INTO DRINKING FOUNTAIN.
- S6 CONSTRUCT 2" PVC SCH. 40 DWV PIPE & FITTINGS PER APPLICABLE TRENCH DETAIL ON C004.
- S7 CONNECT NEW 4" SEWER INTO EXISTING 4" SEWER WITH APPLICABLE FITTINGS AND CONSTRUCT NEW CLEANOUT, TO REPLACE EXISTING CLEANOUT, PER DETAIL S2 ON C004.

POTABLE WATER CONSTRUCTION NOTES:

- W1 SEE AMERICAN MODULAR SYSTEMS PLUMBING PLANS FOR CONTINUATION INTO BUILDING AND DETAIL S1 HEREON.
- W2 CONSTRUCT 2" SCHEDULE 80 P.V.C. PIPE, FITTINGS AND COUPLINGS PER APPLICABLE TRENCH DETAIL ON C004.
- W3 CONNECT NEW 2" PIPE INTO EXISTING 2" WATER SHUT OFF VALVE IN YARDBOX.
- W4 CONSTRUCT 3/4" SCHEDULE 80 P.V.C. PIPE, FITTINGS AND COUPLINGS PER APPLICABLE TRENCH DETAIL ON C004.
- W5 CONSTRUCT 1/2" SCHEDULE 80 P.V.C. PIPE, FITTINGS AND COUPLINGS PER APPLICABLE TRENCH DETAIL ON C004.
- W6 CONNECT NEW 1/2" WATER PIPE INTO EXISTING 1/2" WATER SHUT OFF VALVE IN YARDBOX.
- W7 CONNECT NEW 1/2" WATER PIPE INTO DRINKING FOUNTAIN.

FIRE WATER CONSTRUCTION NOTES:

- F1 CONSTRUCT 6" A.W.W.A. C900 P.V.C. PIPE, DR 14 WITH DUCTILE IRON FITTINGS AT BENDS. TRENCH PER APPLICABLE TRENCH DETAIL ON C004.
- F2 REMOVE EXISTING DUCTILE IRON 90° BEND AND INSTALL NEW 6"x6"x6" DUCTILE IRON TEE. CONNECT TEE TO EXISTING 6" PIPE AND CONSTRUCT CONCRETE THRUST BLOCK AT TEE PER DETAIL F3 ON C006.
- F3 CONSTRUCT CONCRETE THRUST BLOCK PER DETAIL F3 ON C006.
- F4 CONNECT TO 6" PIPE TO FIRE RISER PER DETAIL ON FS-1. CONSTRUCT CONCRETE THRUST BLOCK AT 90° BEND GOING UP PER DETAIL F3 ON C006.
- F5 CONSTRUCT FIRE DEPARTMENT CONNECTION PER DETAIL F5 ON C006.
- F6 INSTALL OUTSIDE SCREW AND YOKE VALVE SUPERVISORY SWITCH ON EXISTING OS&Y VALVES OF DOUBLE CHECK DETECTOR ASSEMBLY.
- F7 CONSTRUCT 6" DIAMETER FIRE HYDRANT BARRICADE 3 FEET AWAY FROM NEW F.D.C. PER DETAIL F7 ON C006.

STORM DRAIN CONSTRUCTION NOTES:

- SD1 CONSTRUCT NEW 4" STORM DRAIN TO BUILDING ROOF DRAIN WITH "FERRO" RUBBER COUPLINGS.
- SD2 CONSTRUCT 4" SDR-35 P.V.C. PIPE & FITTINGS PER APPLICABLE TRENCH DETAIL ON C004.
- SD3 CONSTRUCT 6" SDR-35 P.V.C. PIPE & FITTINGS PER APPLICABLE TRENCH DETAIL ON C004.
- SD4 CONSTRUCT 8" SDR-35 P.V.C. PIPE & FITTINGS PER APPLICABLE TRENCH DETAIL ON C004.
- SD5 REMOVE EXISTING CATCH BASIN.
- SD6 CONSTRUCT STORM DRAIN CLEAN-OUT & YARD BOX PER DETAIL S2 ON C004.
- SD7 CONSTRUCT 18" SQUARE CATCH BASIN WITH ADA GRATE PER DETAIL SD7 ON C004.
- SD8 CONSTRUCT 18" SQUARE CATCH BASIN WITH HELL-PROOF GRATE PER DETAIL SD8 ON C004.
- SD9 CONSTRUCT PRECAST 12" x 12" CATCH BASIN WITH CAST IRON PARKWAY GRATE UNDER BUILDING.
- SD10 CONSTRUCT 12" SQUARE NDS CATCH BASIN WITH NDS 12"x12" ATRIUM GATE PER DETAIL SD10 ON C005.
- SD11 CONSTRUCT PIPE THROUGH FOOTING PER DETAIL 3 ON S1.4.

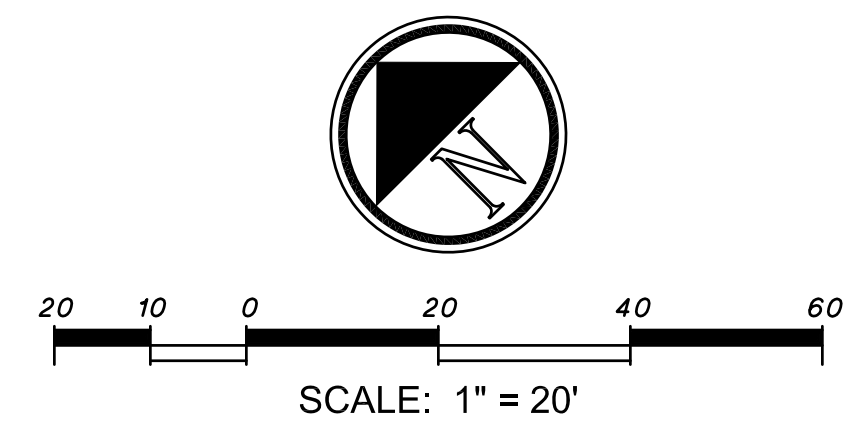
LINETYPE LEGEND:

	SD	= NEW STORM DRAIN
	W	= NEW POTABLE WATER
	SS	= NEW SANITARY SEWER
	F	= NEW FIRE
	W	= (E)POTABLE WATER FROM INTERIM PROJECT
	SS	= (E)SANITARY SEWER FROM INTERIM PROJECT
	SD	= (E)STORM DRAIN
	W	= (E)POTABLE WATER
	SS	= (E)SANITARY SEWER
	G	= (E)GAS
	E	= (E)ELECTRICAL/POWER
	C	= (E)COMMUNICATIONS
	F	= (E)FIRE

NOTE TO CONTRACTOR: BEFORE TRENCHING OCCURS, THE CONTRACTOR SHALL COMPLETE AN UNDERGROUND UTILITY MAPPING SURVEY ALONG THE PROPOSED TRENCHING ROUTE TO DETERMINE WERE EXISTING UTILITIES ARE AND WHERE POSSIBLE UNDERGROUND CONFLICTS MAY OCCUR.

NOTES TO CONTRACTOR:

- A. FIRE SERVICE NOTE: INSTALLATION, INSPECTION, AND TESTING SHALL CONFORM TO 2016 N.F.P.A. 13 AND 2016 N.F.P.A. 24. DISINFECTION OF FIRE MAIN NOT REQUIRED.
- B. ALL BOLTED JOINT ACCESSORIES ON FIRE SERVICE LINES AND FIRE SPRINKLER LATERALS SHALL BE CLEANED AND THOROUGHLY COATED WITH CORROSION RETARDING MATERIAL PER NFPA 24, 10.4.1.1.
- C. PER PROJECT SPECIFICATION 33 14 16, ALL DUCTILE IRON PIPE AND FITTINGS BURIED UNDERGROUND SHALL BE PROTECTED WITH DOUBLE WRAPPED PLASTIC FILM IN ACCORDANCE WITH AWWA C105 "AMERICAN NATIONAL STANDARD FOR POLYETHYLENE ENCASEMENT FOR DUCTILE-IRON PIPE SYSTEMS". EACH WRAP SHALL BE A MINIMUM THICKNESS OF 8-MIL. GATE VALVES AND MECHANICAL RESTRAINT DEVICES SHALL BE WRAPPED WITH 3 LAYERS OF 8-MIL POLYETHYLENE.



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DIV. OF THE STATE ARCHITECT
APP: 03-121419 INC.
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AP 03 - 12419
DIVISION OF THE STATE ARCHITECT
335 S. GRAND AVE., SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fax: 213.897.3199/0726

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300

architect

FPL and Associates, Inc.
Traffic • Transportation • Civil
30 Corporate Park, Suite 401
Irvine, CA 92606
Phone: 949-252-1688

PROFESSIONAL SEAL
STATE OF CALIFORNIA
CIVIL ENGINEER
No. 34971
Exp. 09-30-23

consultant

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2-STORY MODULAR CLASSROOM BUILDING**

GLENDALE UNIFIED SCHOOL DISTRICT
2620 ORANGE AVENUE
LA CRESCENTA - MONTEROSE, CALIFORNIA 91214

owner

tBP project number : 21056.00

file name:

drawn by: checked by:

date: SEPTEMBER 17, 2021

Rev: date: description:

drawing title:

WET UTILITY PLAN

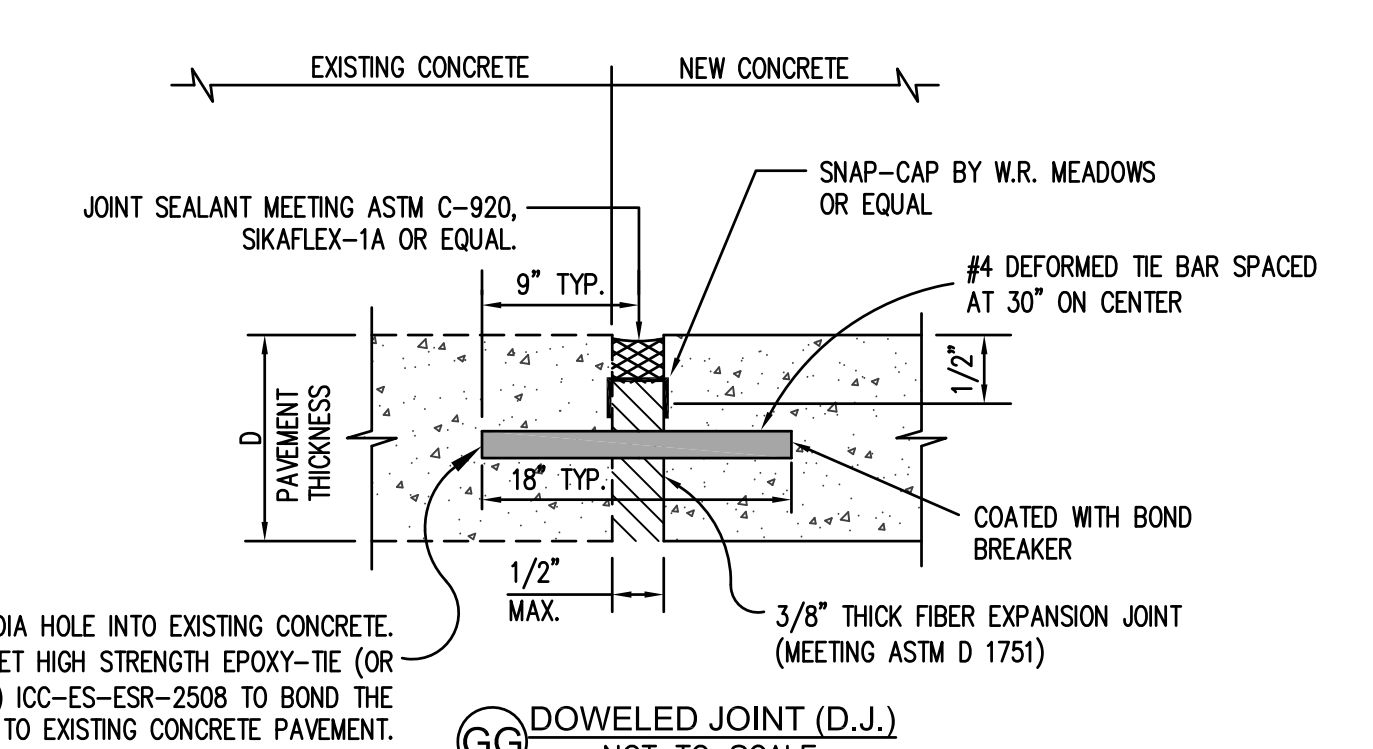
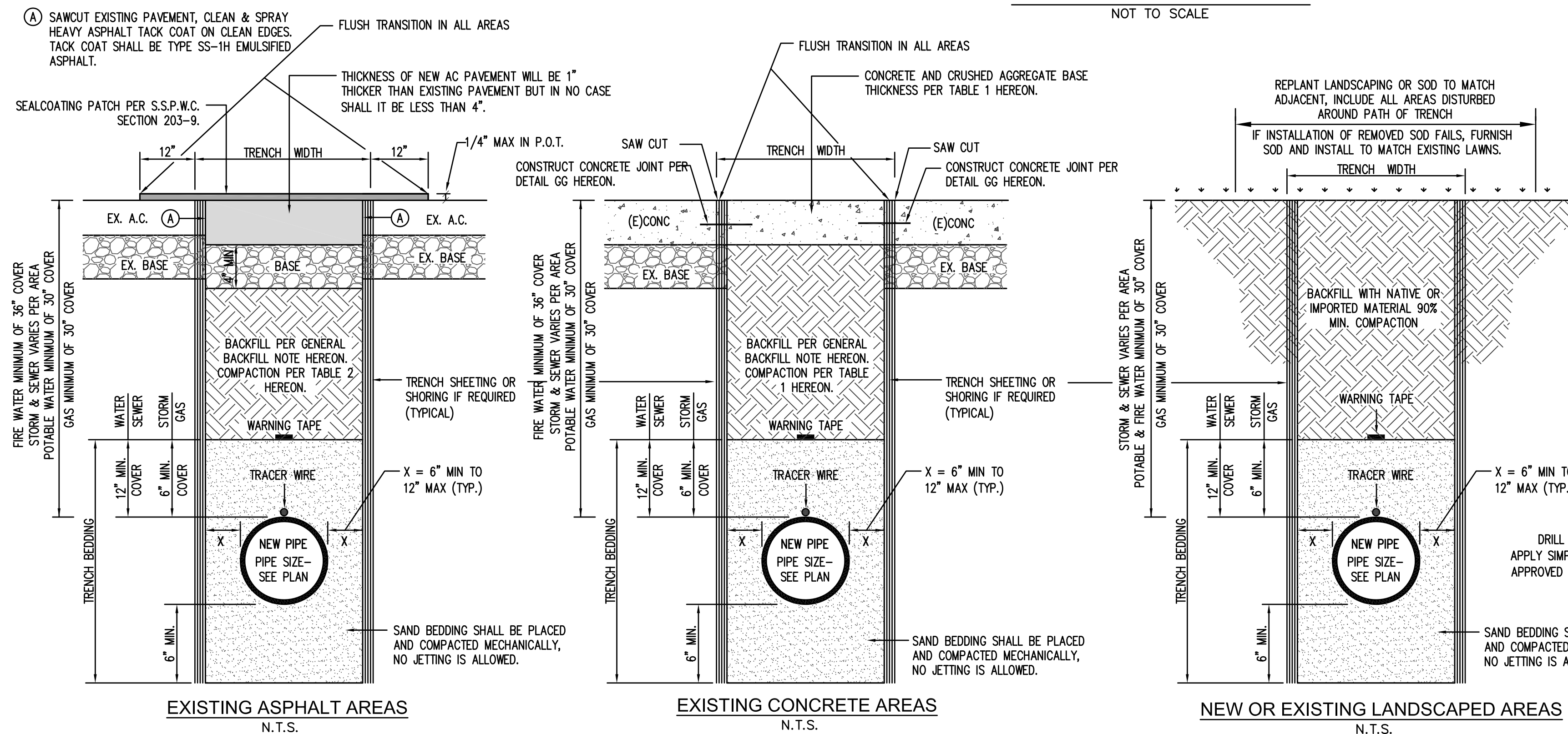
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TRENCHING DETAILS

NOT TO SCALE



TRENCH EXCAVATION, BEDDING, & BACKFILL NOTES:

EXCAVATION NOTE: THE 2019 CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (CAL/OSHA) WILL REQUIRE A PERMIT FOR THE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE FIVE (5) FEET OR DEEPER AND INTO WHICH A PERSON IS REQUIRED TO DESCEND. "DESCEND" MEANS TO ENTER ANY PART OF THE TRENCH OR EXCAVATION ONCE THE EXCAVATION HAS ATTAINED A DEPTH OF 5 FEET OR MORE. FOR REGULATIONS RELATING TO PERMITS FOR EXCAVATIONS AND TRENCHES, REFER TO THE CALIFORNIA CODE OF REGULATIONS TITLE 8, CHAPTER 3.2, ARTICLE 2, SECTION 341 OF THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (CAL/OSHA)

THE CONTRACTOR SHALL SUBMIT A DETAIL SHOWING THE DESIGN OR SHORING, BRACING SLOPING OR OTHER PROVISIONS TO BE MADE FOR WORKER PROTECTION FROM THE HAZARDS OF COLLAPSE DURING THE EXCAVATION. THE PLAN SUBMITTED SHALL BE SIGNED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER CERTIFIED THAT THE PLAN COMPLES WITH ALL OSHA CONSTRUCTION SAFETY ORDERS.

BEDDING MATERIAL SHALL BE COARSE SAND WITH SAND EQUIVALENT OF 30 OR GREATER. NO ANGULAR STONES OR PEA GRAVELS WILL BE ALLOWED IN PIPE BEDDING.

COMPACTION METHODS: ALL BEDDING & BACKFILL COMPACTION SHALL BE BY HAND-OPERATED, PLATE-TYPE, VIBRATORY, OR OTHER SUITABLE HAND-TAMPERS IN AREAS NOT ACCESSIBLE TO LARGER ROLLERS OR COMPACTORS. EXTREME CARE SHALL BE TAKEN TO AVOID DAMAGE TO CONDUITS, PIPES, AND ANY APPURTENANCES. WATER DENSIFICATION BY INUNDATION OR JETTING SHALL NOT BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM CIVIL ENGINEER.

SHEETINGS: WHEN EXCAVATION DEPTHS OR SOIL CONDITIONS REQUIRE SHORING OR USE OF A TRENCH BOX, THE BOTTOM OF THE SHORING OR TRENCH BOX SHOULD BE PLACED NO LOWER THAN THE TOP OF THE PIPE. THIS PREVENTS DISRUPTION OF THE BACKFILL ENVELOPE WHEN REMOVING THE SHORING OR TRENCH BOX. IF THIS PRACTICE CANNOT BE FOLLOWED, CONSIDERATION SHOULD BE GIVEN TO LEAVING THE SHORING IN PLACE.

GENERAL BACKFILL NOTES:

EXCAVATED TRENCH MATERIAL TO BE INSTALLED FOR BACKFILLING SHALL BE CLEAN, FREE OF LARGE CLODS AND STONES LARGER THAN 3-INCHES IN ANY DIMENSION. INSTALL BACKFILL MATERIALS IN LAYERS NOT TO EXCEED 8 TO 10-INCHES IN THICKNESS AND COMPACT TO A MINIMUM 90% OF THE MAXIMUM DENSITY. IN LIEU OF USING NATIVE MATERIAL TO EXCEED 10-INCHES IN THICKNESS AND COMPACT TO A MINIMUM 90% OF THE MAXIMUM DENSITY, IN LIEU OF USING NATIVE MATERIAL TO EXCEED 10-INCHES IN THICKNESS AND COMPACT TO A MINIMUM 90% OF THE MAXIMUM DENSITY, SAND SLURRY SHALL CONSIST OF 1 SACK PORTLAND CEMENT (CLASS 100-E-100) PER CUBIC YARD OF SAND SLURRY MIX. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF ANY EXCESS BACKFILL MATERIAL FROM THE SITE.

WARNING TAPE NOTES (POTABLE WATER):

A METALLIC LINED TAPED FOR UNDERGROUND PIPES, MARKED "CAUTION BURIED WATER LINE BELOW", IN POLYETHYLENE FILM COLOR BLUE, INSTALLED ABOVE PIPE, MINIMUM 2" WIDE.

WARNING TAPE NOTES (GAS):

A METALLIC LINED TAPED FOR UNDERGROUND PIPES, MARKED "CAUTION GAS LINE BELOW", IN POLYETHYLENE FILM COLOR YELLOW, INSTALLED ABOVE PIPE, MINIMUM 2" WIDE.

WARNING TAPE NOTES (STORM DRAIN):

A METALLIC LINED TAPED FOR UNDERGROUND PIPES, MARKED "CAUTION STORM DRAIN LINE BELOW", IN POLYETHYLENE FILM COLOR GREEN, INSTALLED ABOVE PIPE, 6" WIDE.

WARNING TAPE NOTES (SANITARY SEWER):

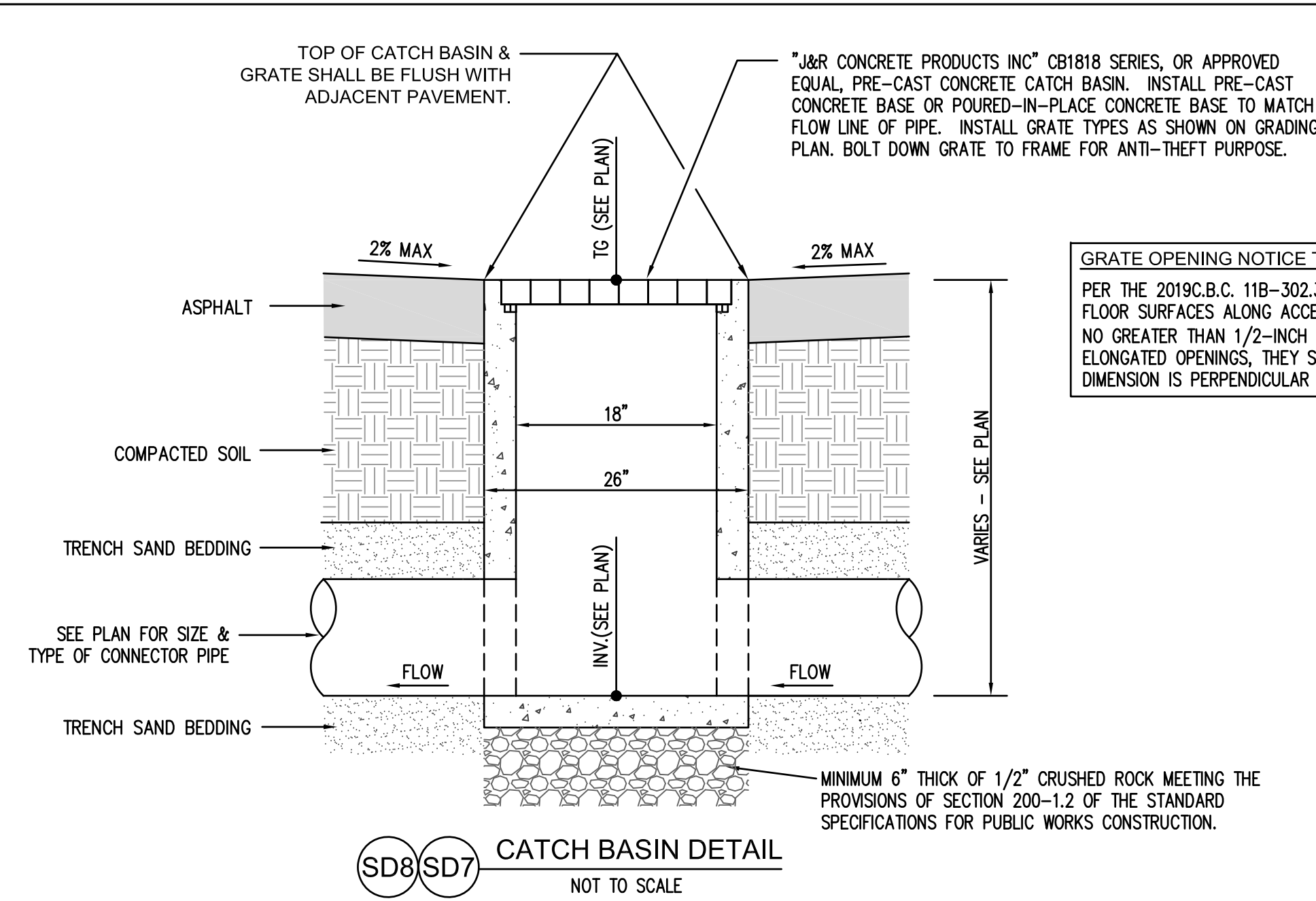
A METALLIC LINED TAPED FOR UNDERGROUND PIPES, MARKED "CAUTION BURIED SEWER LINE BELOW", IN POLYETHYLENE FILM COLOR GREEN, INSTALLED ABOVE PIPE, 6" WIDE.

WARNING TAPE NOTES (FIRE WATER):

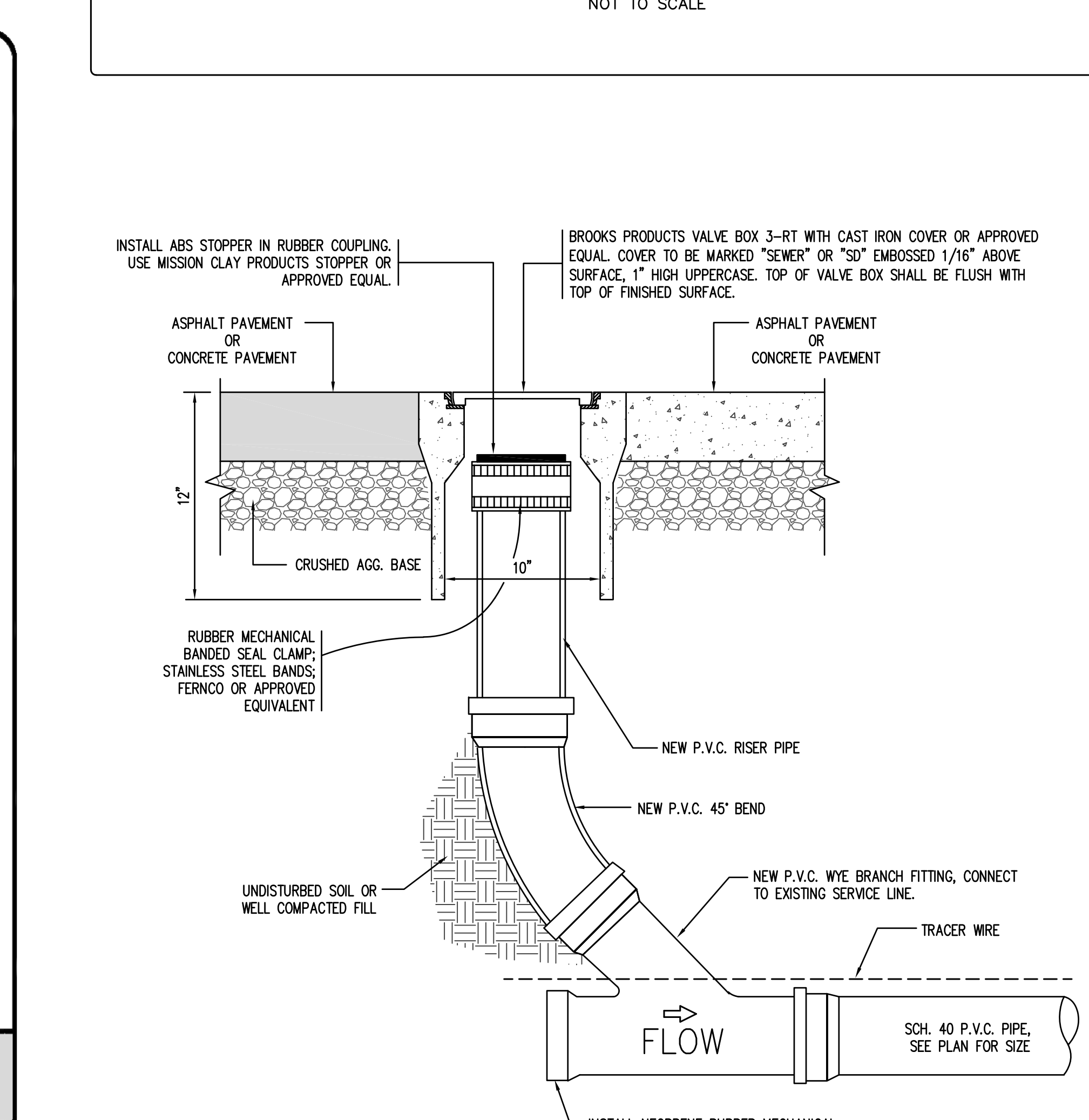
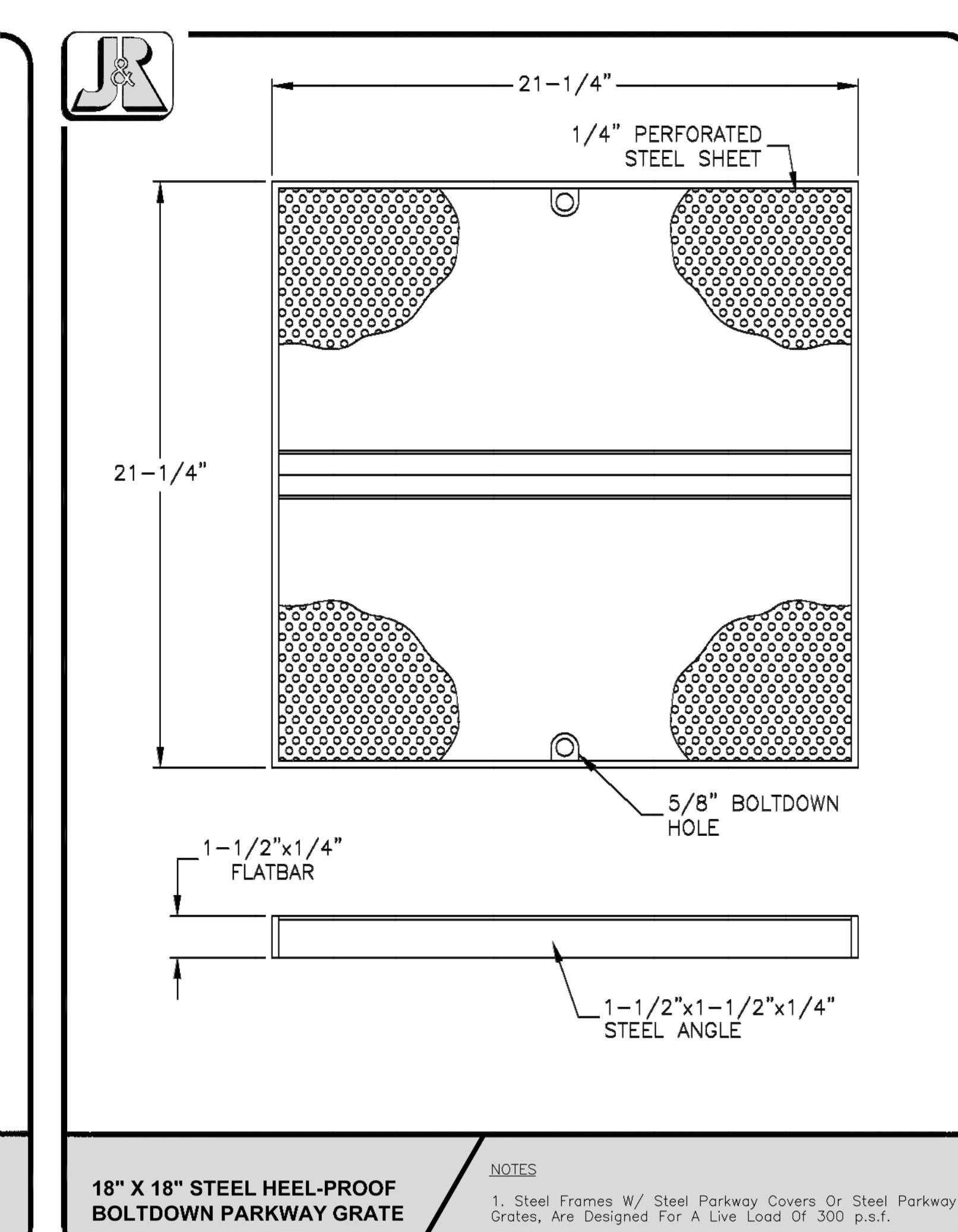
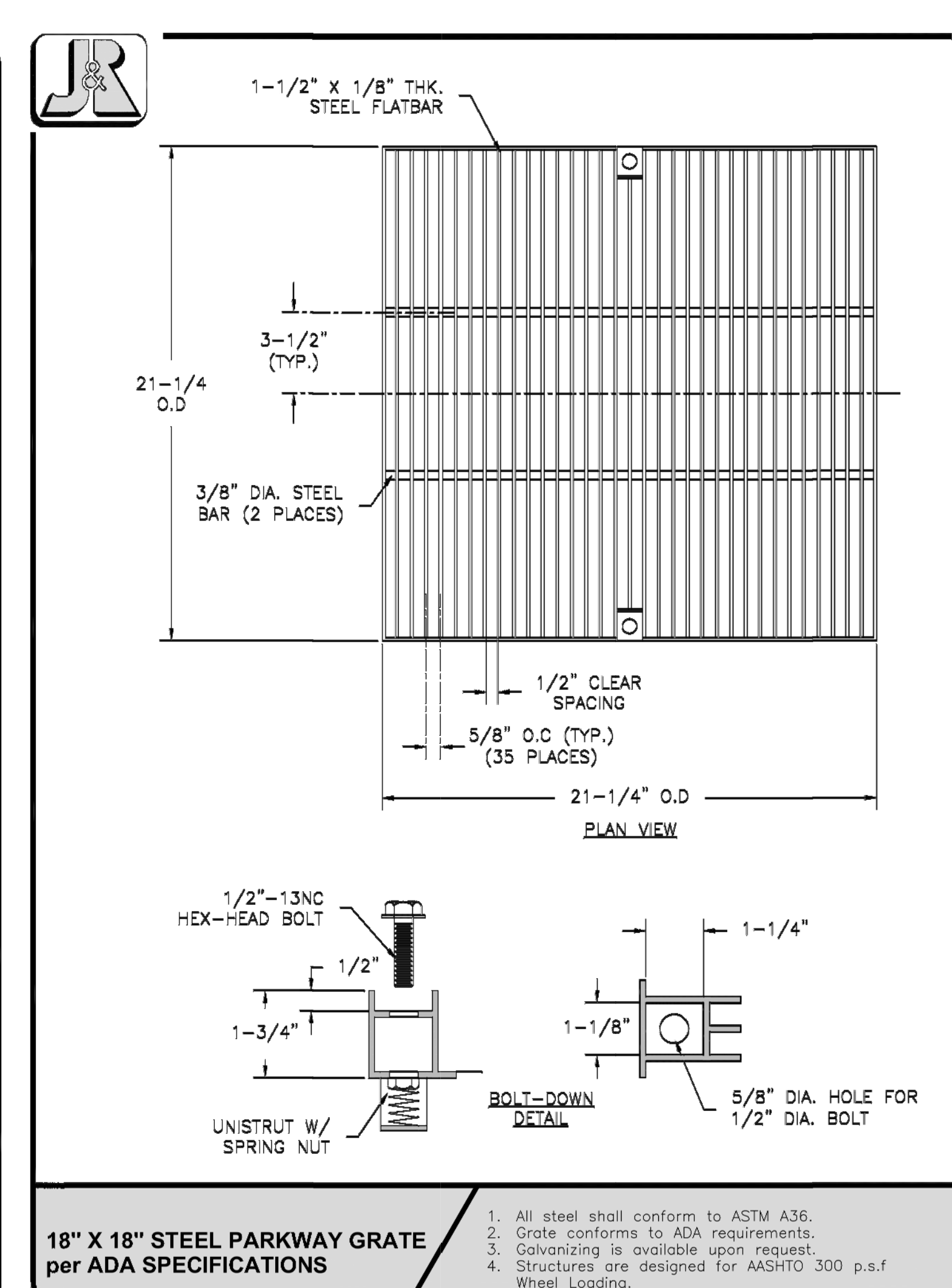
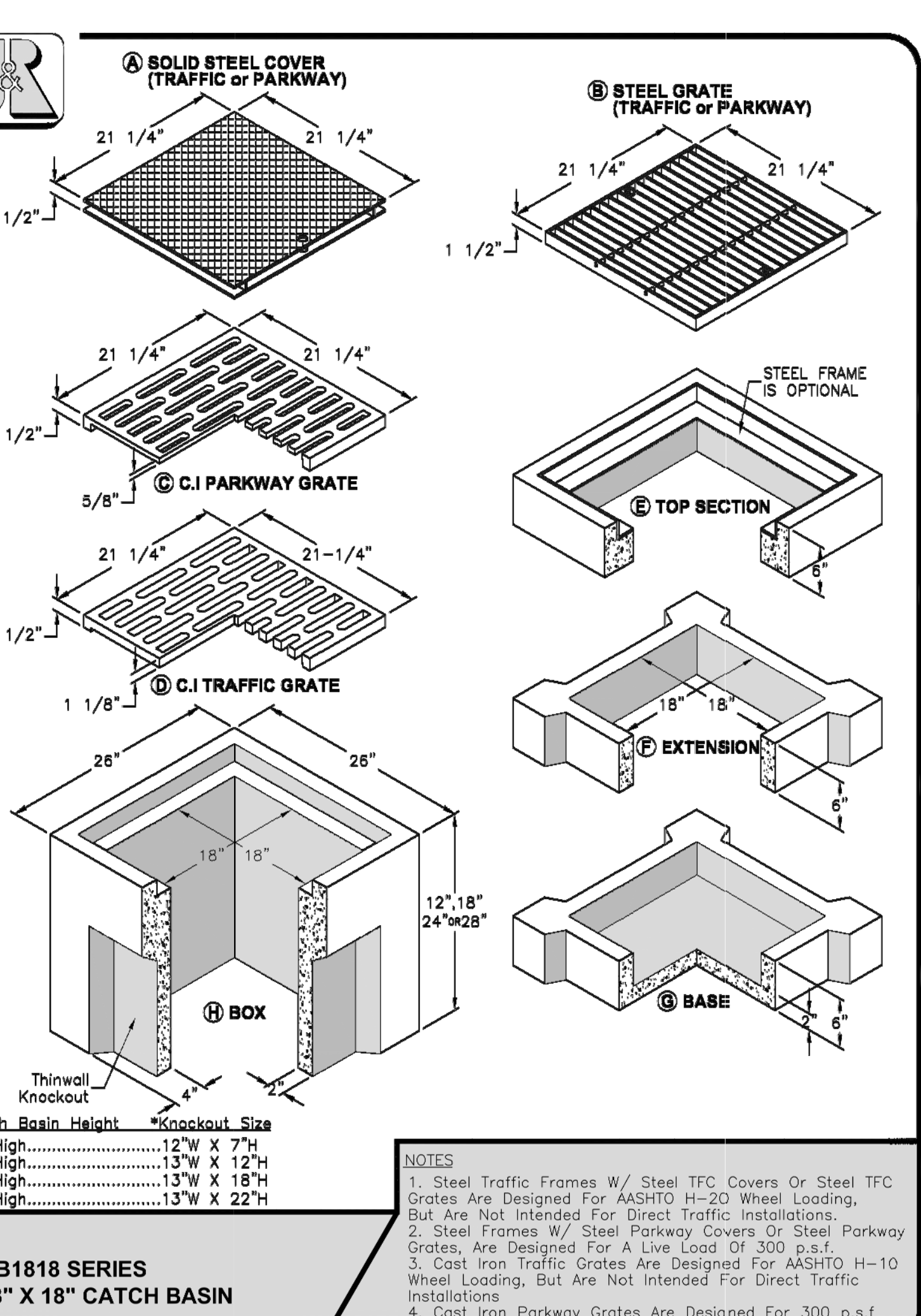
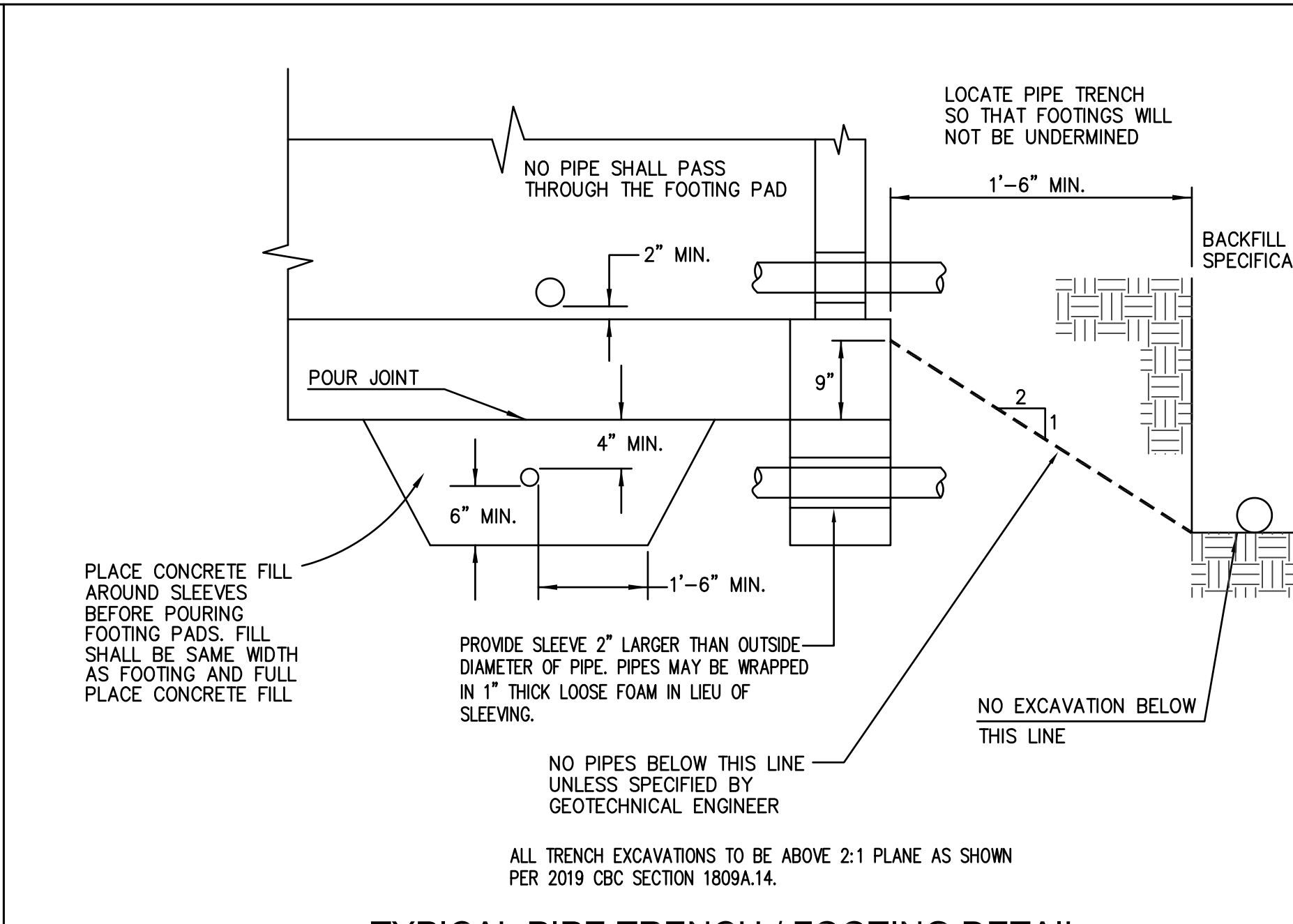
A METALLIC LINED TAPED FOR UNDERGROUND PIPES, MARKED "CAUTION FIRE LINE BELOW", IN POLYETHYLENE FILM COLOR RED, INSTALLED ABOVE PIPE, MINIMUM 2" WIDE.

TRACER WIRE NOTES:

COPPER TRACER WIRE SHALL BE INSTALLED ON ALL NON-METALLIC PIPELINES, 2" AND GREATER, JUST ABOVE THE HORIZONTAL CENTERLINE OF THE PIPE. THE COPPER WIRE SHALL BE TYPE THIN #12 AWG GAUGE FOR SEWER, STORM & POTABLE WATER, #14 AWG GAUGE FOR IRRIGATION PIPES AND #18 AWG GAUGE FOR POLYETHYLENE GAS LINES. ALL TRACER WIRE SHALL HAVE HEAT AND MOISTURE RESISTANT INSULATION.



GRATE OPENING NOTICE TO CONTRACTOR:
PER THE 2019 C.B.C. 11B-302.3: GRATINGS LOCATED IN GROUND AND FLOOR SURFACES ALONG ACCESSIBLE ROUTES SHALL BE LIMITED TO SPACES NO GREATER THAN 1/2-INCH WIDE IN ONE DIRECTION. IF GRATINGS HAVE ELONGATED OPENINGS, THEY SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAFFIC.



SD8/SD7 18" SQUARE CATCH BASIN DETAIL NOT TO SCALE

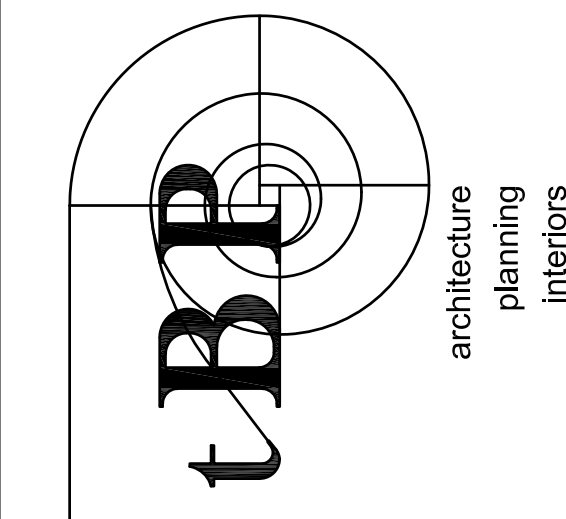
SD7 18" ADA STEEL PARKWAY GRATE NOT TO SCALE

SD8 18" HEEL-PROOF STEEL PARKWAY GRATE NOT TO SCALE

SD2 CLEAN OUT & YARD BOX DETAIL NOT TO SCALE

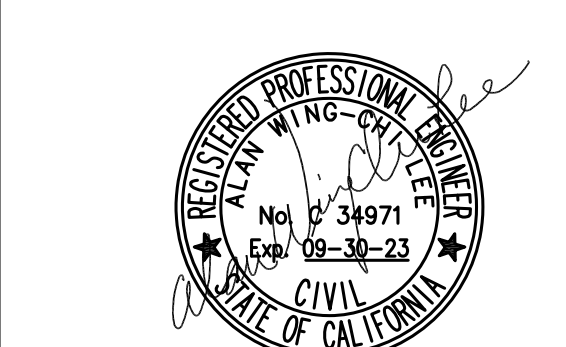


APR 03 - 12419
DIVISION OF THE STATE ARCHITECT
335 S. GRAND AVE. SUITE 9100
LOS ANGELES, CA 90071
PH: 213.897.3995 FAX: 213.897.3159/0726



tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
PH: 949.673.0300

FPL and Associates, Inc.
Traffic • Transportation • Civil
30 Corporate Park, Suite 401
Irvine, CA 92606
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DETAIL SHEET

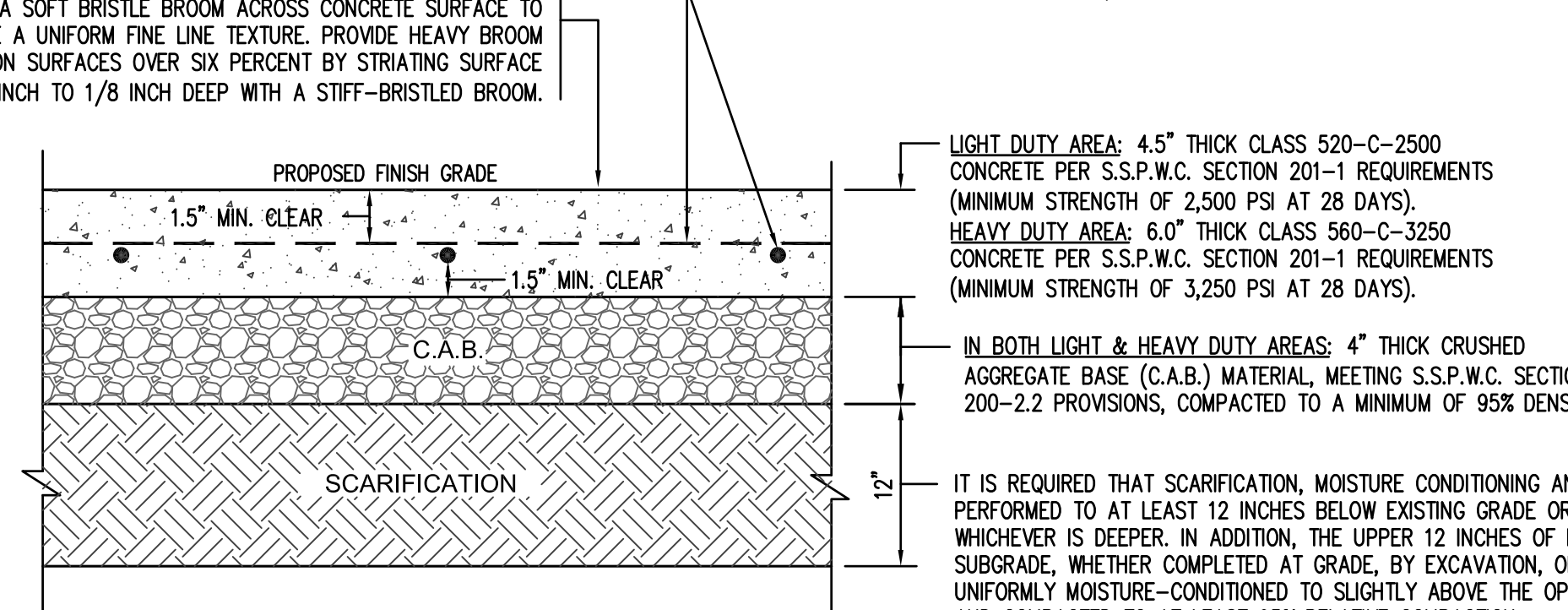
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C004

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Plot Date: 9/17/2021 5:09:36 PM Login: Sheema Kim S:\ubba\2757 - tBP\Architect\2757 - Monte Vista ES\Civil\2-Story Modular Building\Monte Vista C004 Details.dwg

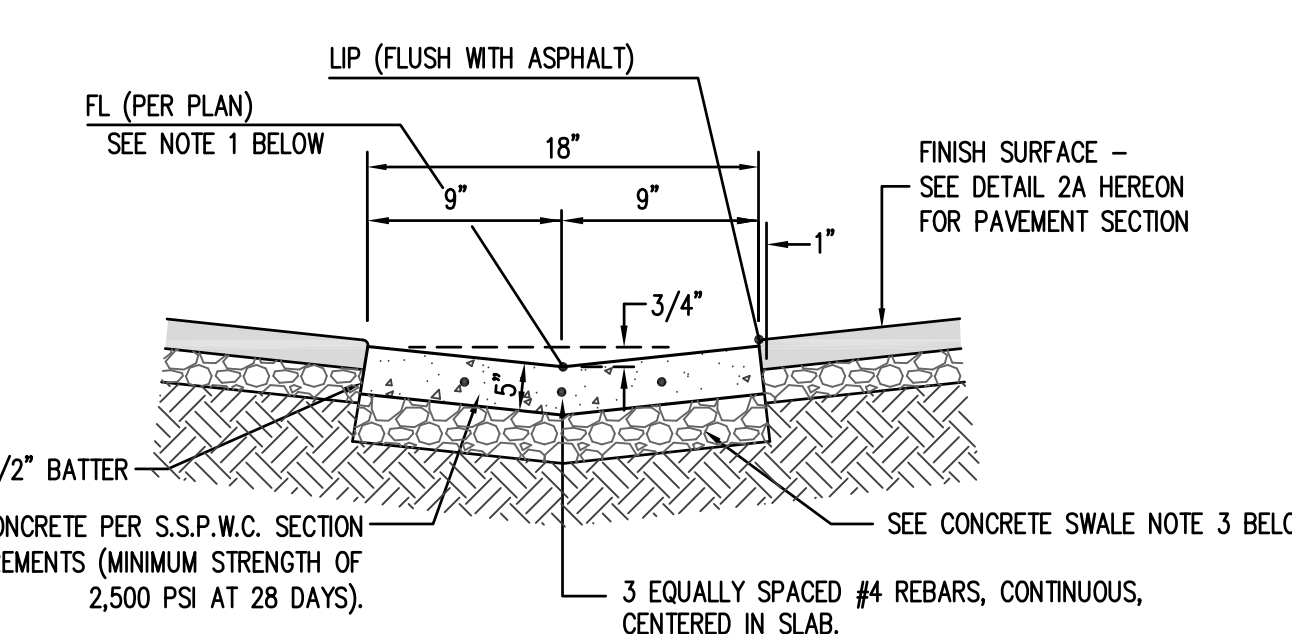
PROVIDE MEDIUM BROOM FINISH ON SURFACES UP TO SIX PERCENT SLOPE BY STRIATING SURFACE 1/32 TO 3/64 INCH DEEP WITH A SOFT BRISTLE BROOM ACROSS CONCRETE SURFACE TO PROVIDE A UNIFORM FINE LINE TEXTURE. PROVIDE HEAVY BROOM FINISH ON SURFACES OVER SIX PERCENT BY STRIATING SURFACE 1/16 INCH TO 1/8 INCH DEEP WITH A STIFF-BRISTLED BROOM.



11A CONCRETE PAVEMENT DETAIL
NOT TO SCALE

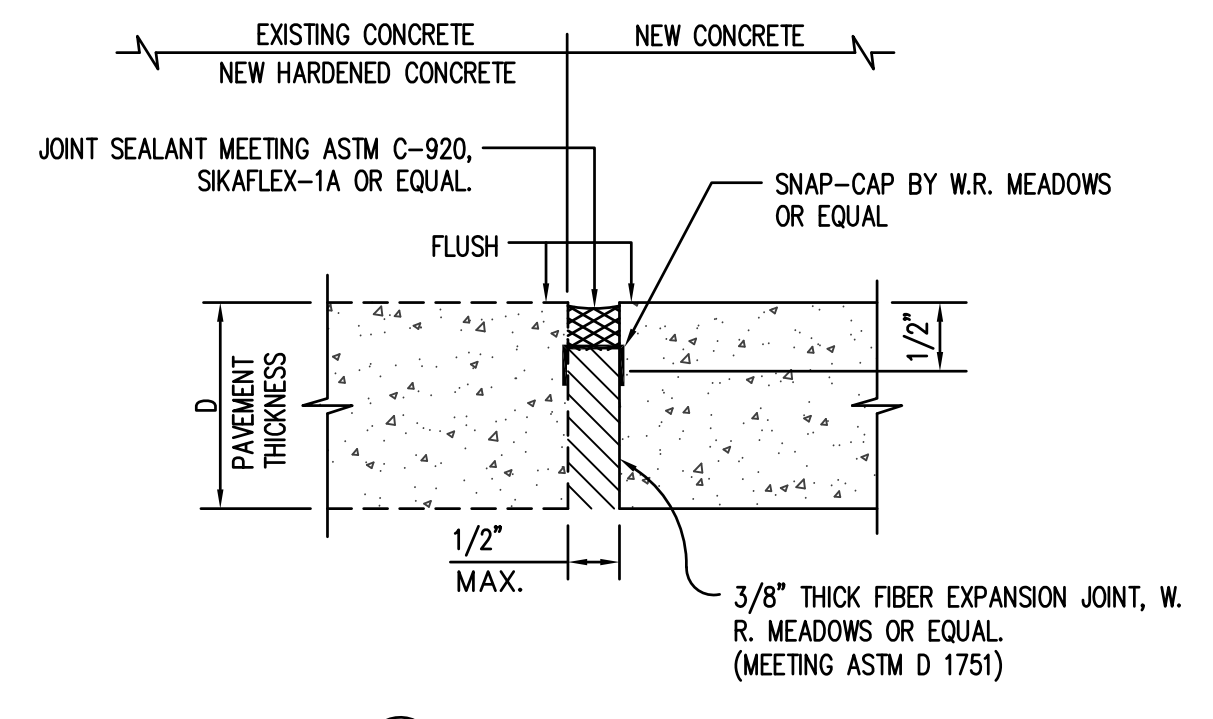
NOTE TO CONTRACTOR:
A. THE CONTRACTOR SHALL INSTALL EXPANSION AND CONTROL JOINTS IN CONCRETE FLATWORK AT LOCATIONS NOTED ON THE ARCHITECTURAL PLANS FOLLOWING DETAILS 'AA' THRU 'CC' HEREON.
B. CONTRACTOR SHALL FOLLOW DETAILS 'DD' THRU 'FF' HEREON WHEN CONSTRUCTING CONCRETE FLATWORK EDGE TREATMENTS.

LIGHT DUTY AREA: 4.5" THICK CLASS 520-C-2500 CONCRETE PER S.S.P.W.C. SECTION 201-1 REQUIREMENTS (MINIMUM STRENGTH OF 2,500 PSI AT 28 DAYS).
HEAVY DUTY AREA: 6.0" THICK CLASS 560-C-3250 CONCRETE PER S.S.P.W.C. SECTION 201-1 REQUIREMENTS (MINIMUM STRENGTH OF 3,250 PSI AT 28 DAYS).
IN BOTH LIGHT & HEAVY DUTY AREAS: 4" THICK CRUSHED AGGREGATE BASE (C.A.B.) MATERIAL, MEETING S.S.P.W.C. SECTION 200-2.2 PROVISIONS, COMPACTED TO A MINIMUM OF 95% DENSITY.
IT IS REQUIRED THAT SCARIFICATION, MOISTURE CONDITIONING AND RECOMPACTION BE PERFORMED TO AT LEAST 12 INCHES BELOW EXISTING GRADE OR FINISH SUBGRADE, WHICHEVER IS DEEPER. IN ADDITION, THE UPPER 12 INCHES OF FINAL PAVEMENT SUBGRADE, WHETHER COMPLETED AT GRADE, BY EXCAVATION, OR BY FILLING, SHOULD BE UNIFORMLY MOISTURE-CONDITIONED TO SLIGHTLY ABOVE THE OPTIMUM MOISTURE CONTENT AND COMPACTED TO AT LEAST 95% RELATIVE COMPACTION.

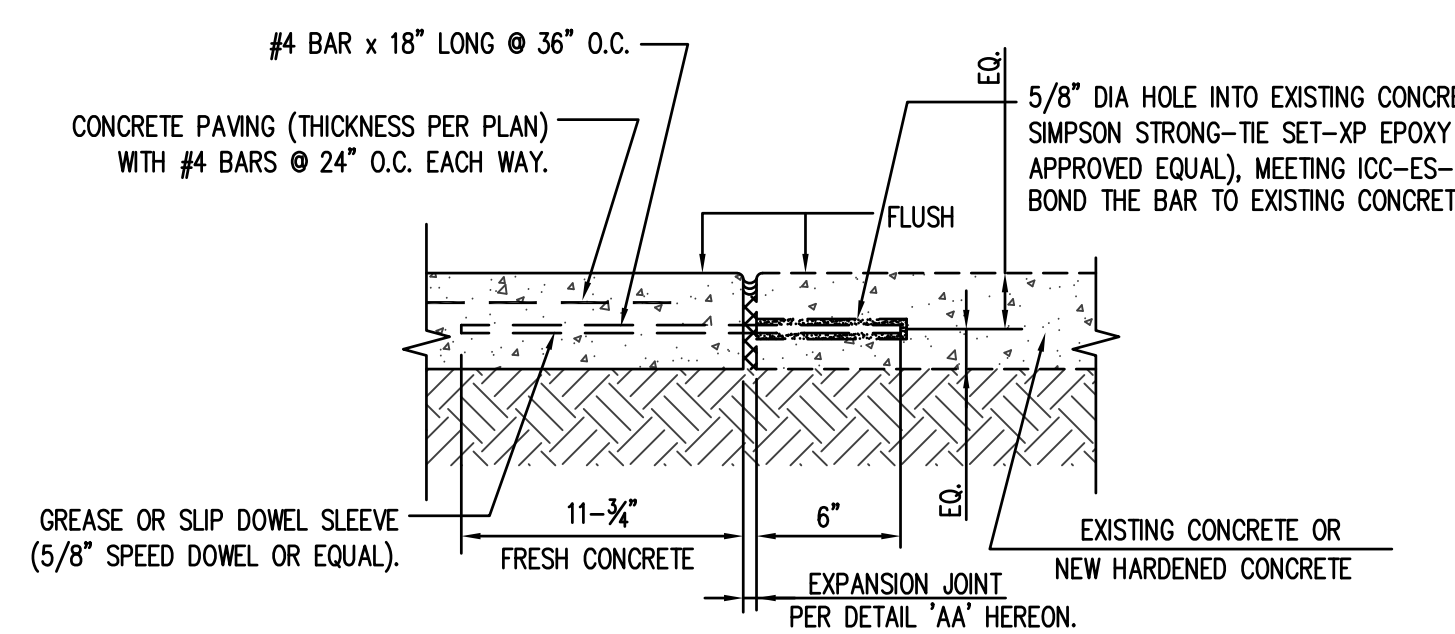


4 18" WIDE CONCRETE SWALE DETAIL
NOT TO SCALE

CONCRETE SWALE NOTES:
1. CONCRETE SWALE SHALL HAVE A 4" WIDE FLOWLINE SMOOTH STEEL TROWEL FINISH.
2. CONSTRUCT CONTROL JOINTS IN SWALE AT REGULAR INTERVALS OF 10'. CONSTRUCT EXPANSION JOINTS AT 40' INTERVALS, PLUS ALL D.O.C. & E.C.S.'S. SEE SHEET C005 FOR JOINT DETAILS.
3. A 4" THICK LAYER OF CRUSHED AGGREGATE BASE MATERIAL SHALL BE PLACED UNDER THE CONCRETE SWALE. MINIMUM COMPACTION OF 95% ON SUBGRADE IS REQUIRED.

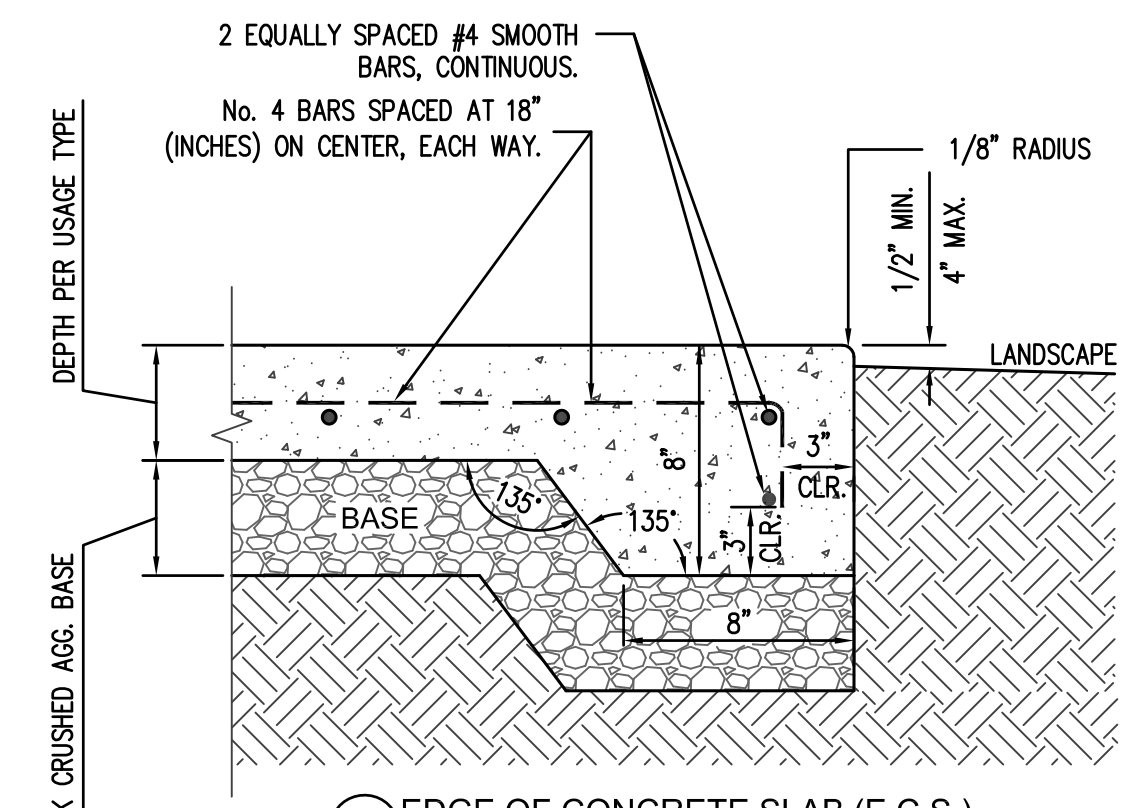


AA EXPANSION JOINT (E.J.)
NOT TO SCALE

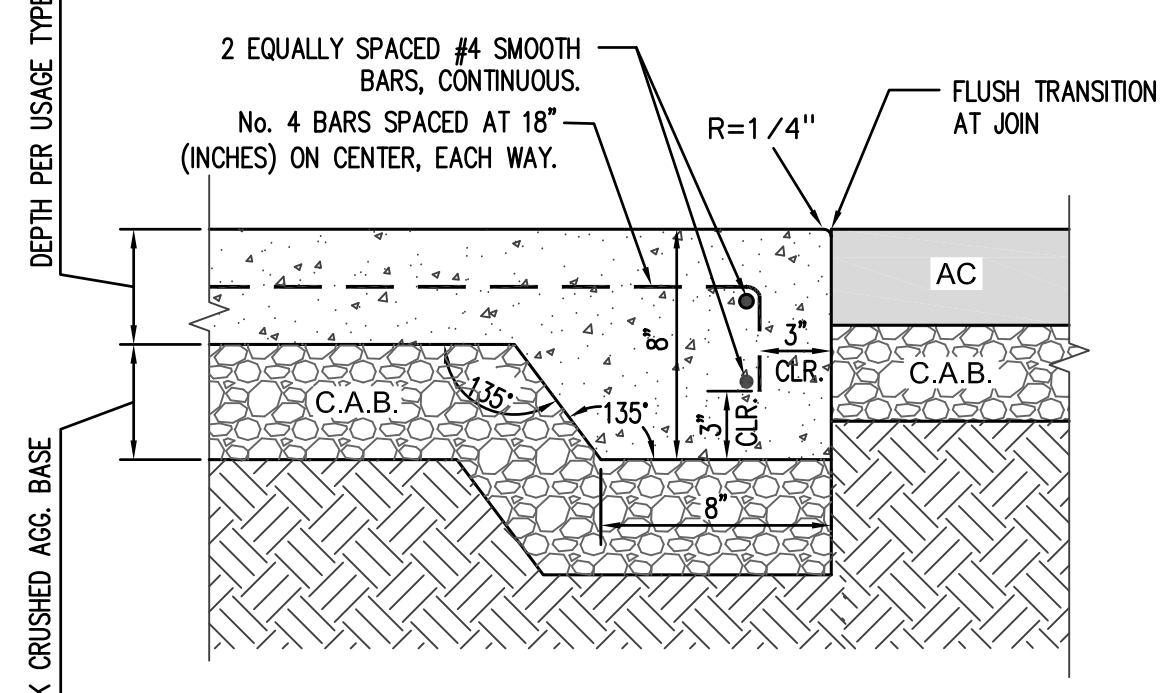


NOTE: 1. VERTICAL CHANGE IN ELEVATION ALONG ACCESSIBLE PATH OF TRAVEL CANNOT EXCEED 1/4" PER CBC 11B-303.2
2. LEVEL CHANGE BETWEEN 1/4"-1/2" MUST BE BEVELED AT 1:2 MAX PER CBC 11B-303.3

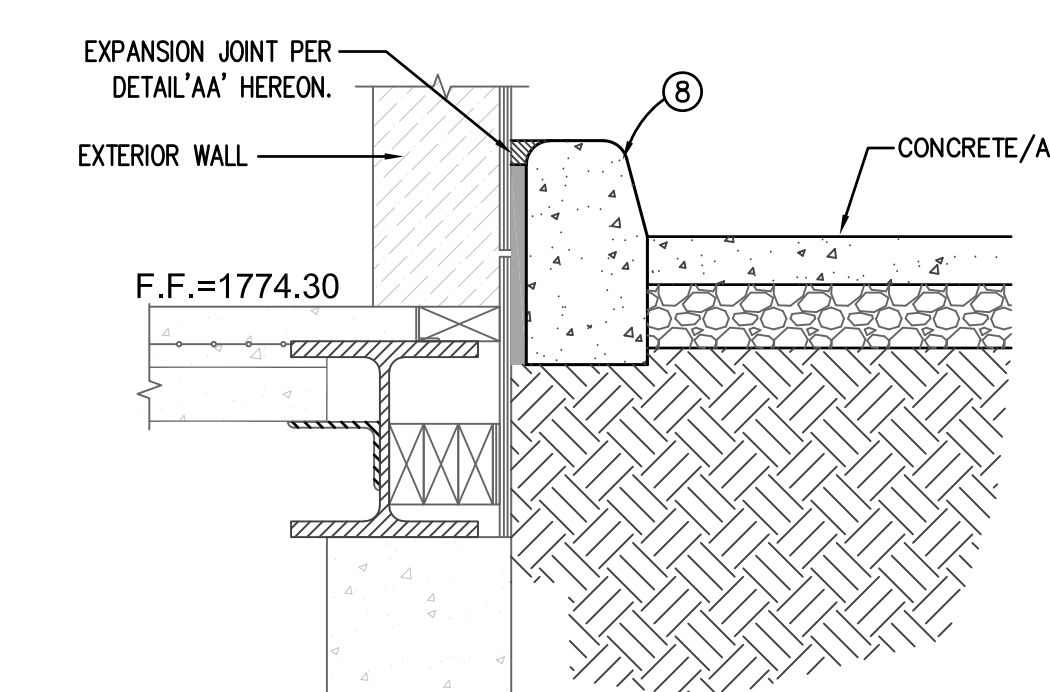
CC EXPANSION JOINT (E.J.) WITH REBAR
NOT TO SCALE



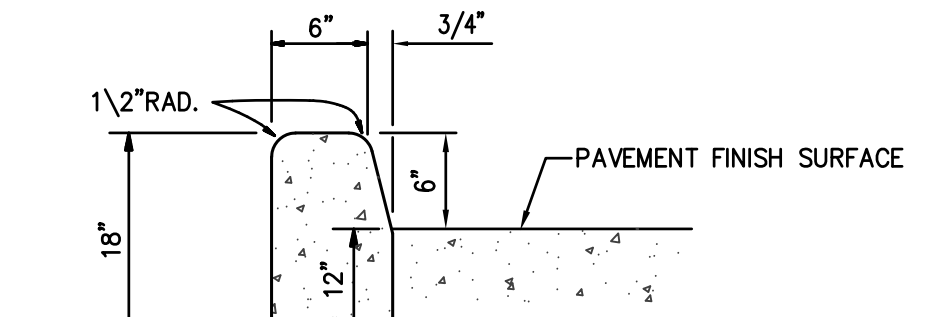
EE EDGE OF CONCRETE SLAB (E.C.S.)
NOT TO SCALE



FF DETAIL - WHERE CONCRETE MEETS ASPHALT
NOT TO SCALE

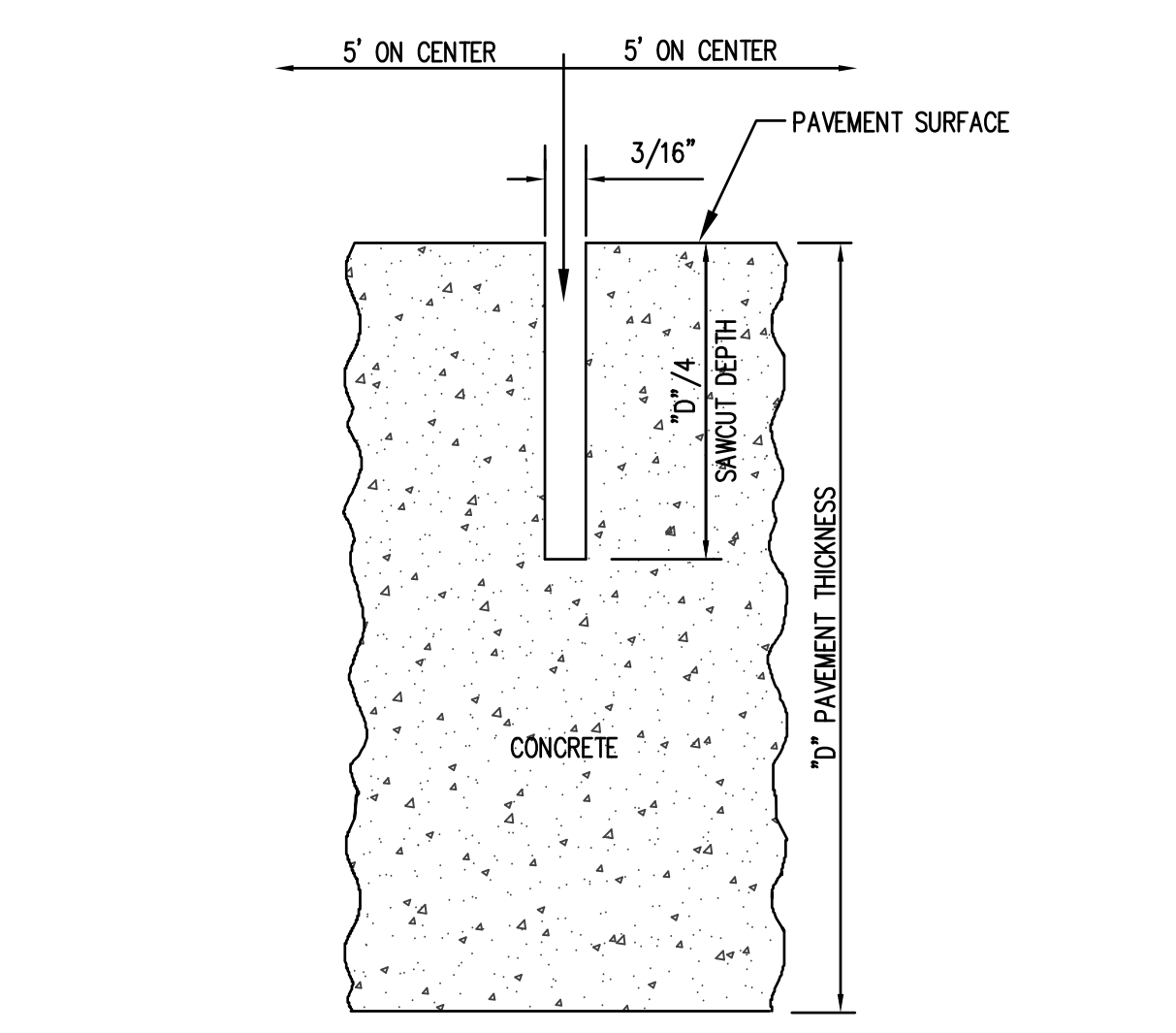


SECTION A-A
NOT TO SCALE

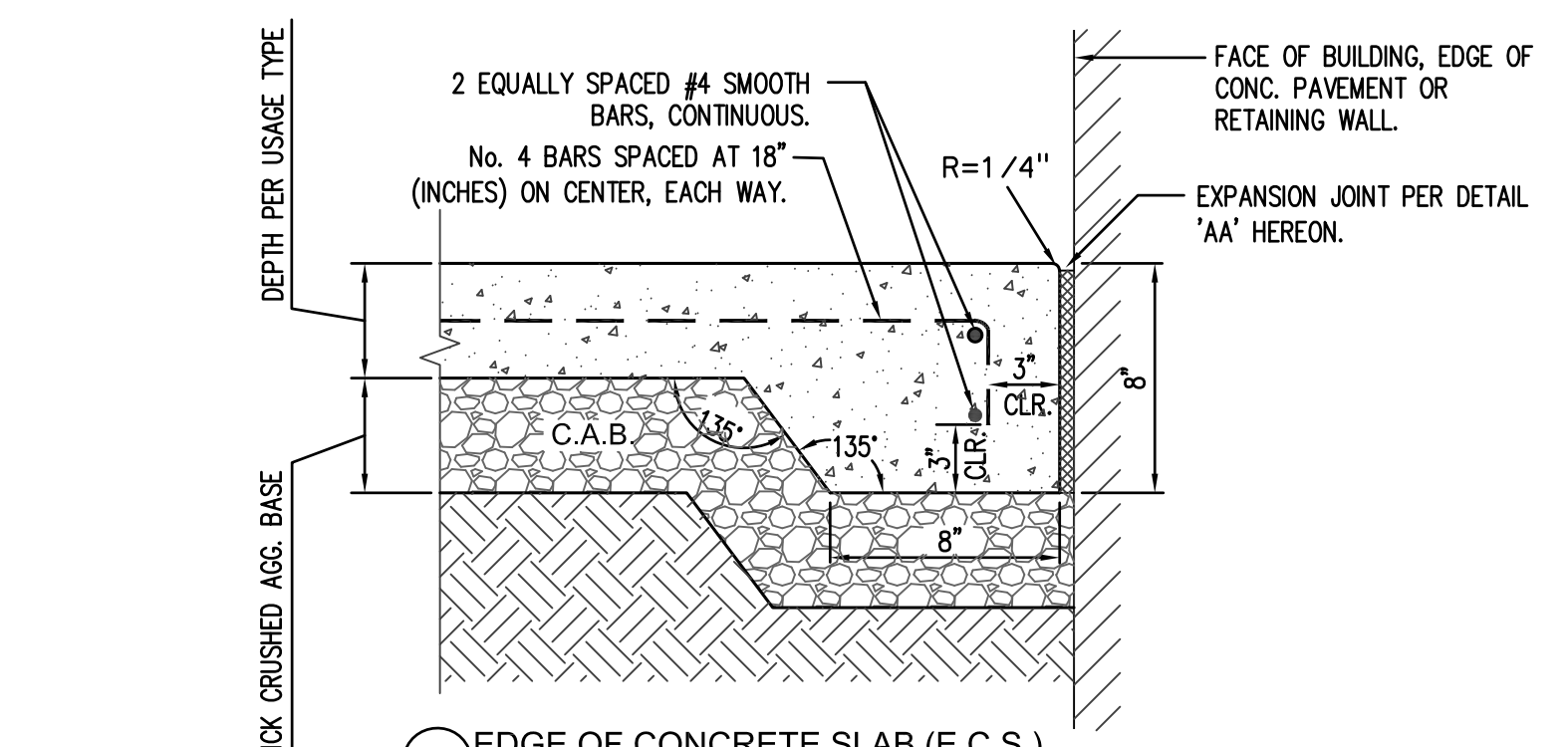


8 CONCRETE CURB DETAIL
NOT TO SCALE

CURB NOTES:
1. ALL EXPOSED EDGES SHALL HAVE A 1/2" RADIUS.
2. CONTROL JOINTS SHALL BE PLACED IN CURBS AT REGULAR INTERVALS OF 10'.
3. CONCRETE SHALL BE CLASS 520-C-2500 PER S.S.P.W.C. SECTION 201-1.



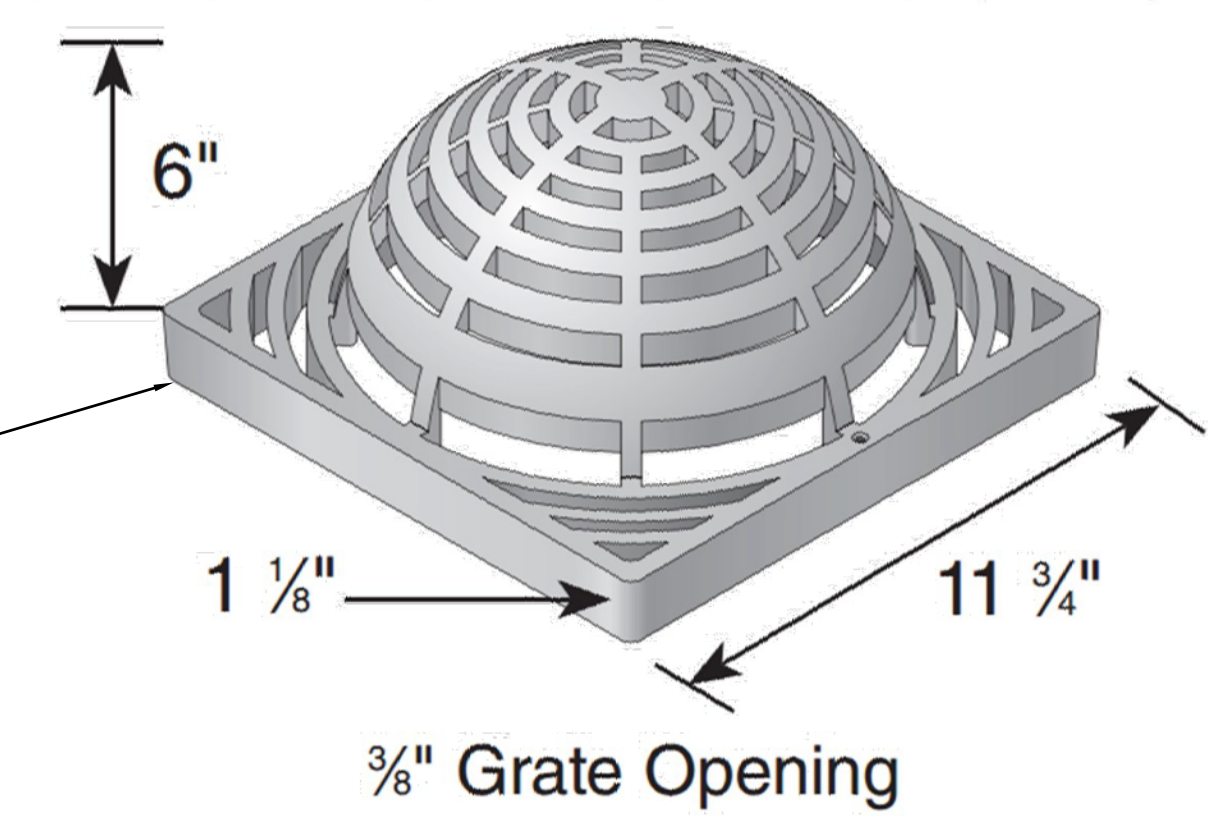
BB CONTROL JOINT (C.J.)
NOT TO SCALE



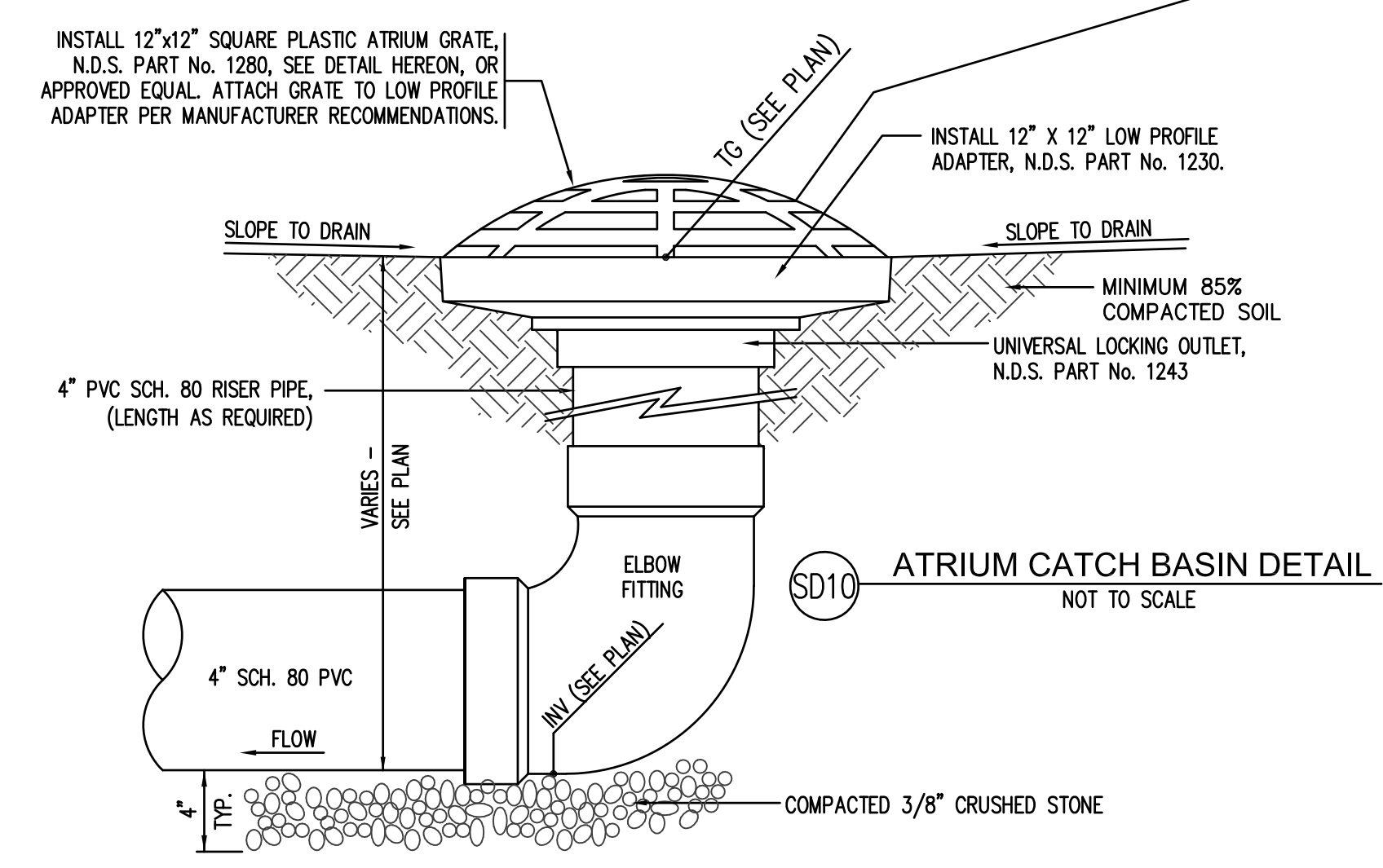
DD EDGE OF CONCRETE SLAB (E.C.S.)
NOT TO SCALE



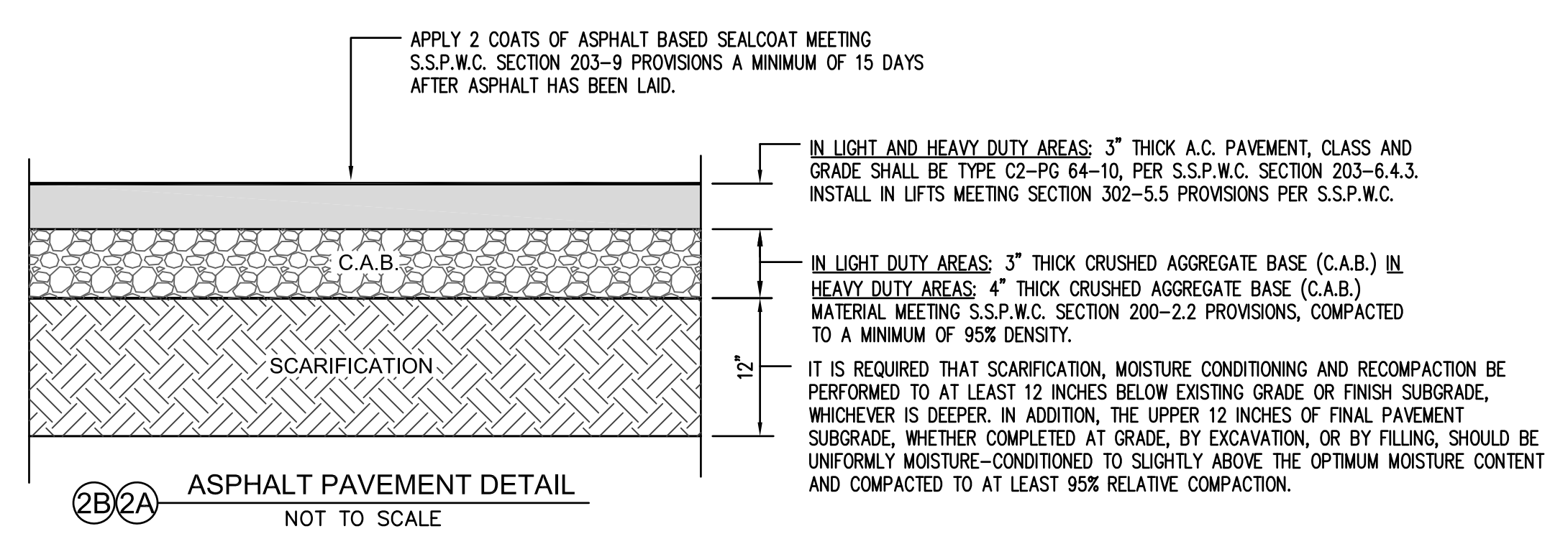
12" x 12" ATRIUM GRATE



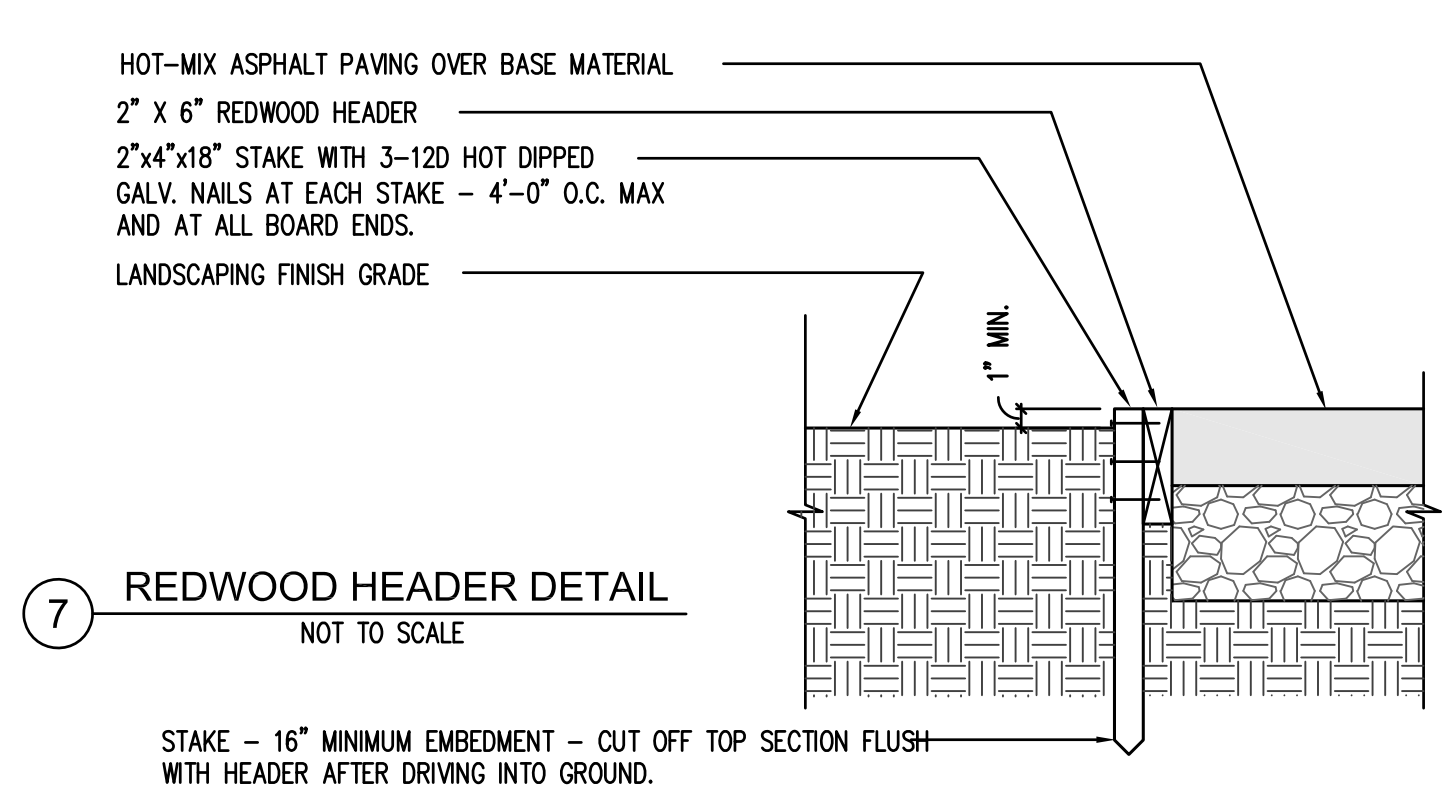
Material: UV Protected High Density Polyethylene (HDPE)
Weight: 1.74 lbs
Colors: Green (1280), Black (1290)
Fits: Use with 12" Catch basin series
Grate Openings: 50.60 in²
Will accommodate 154.79 gallons per minute with 1/2" of head



SD10 ATRIUM CATCH BASIN DETAIL
NOT TO SCALE



2B2A ASPHALT PAVEMENT DETAIL
NOT TO SCALE



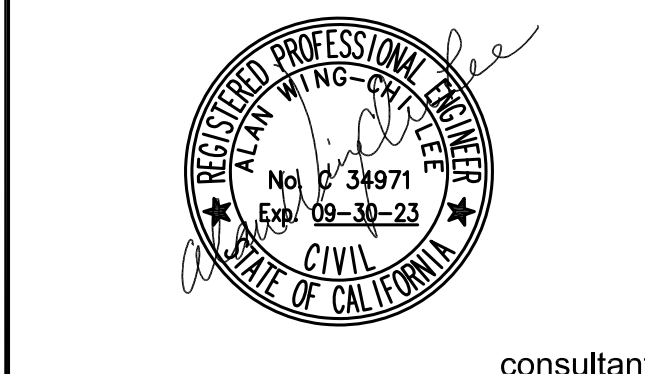
7 REDWOOD HEADER DETAIL
NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-121419 INC.
REVIEWED FOR
SS FLS ACS
DATE: 09/29/2021

4# 03 - 12419
DIVISION OF THE STATE ARCHITECT
355 S. GRAND AVE. SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fax: 213.897.3158/0726
agency

IBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300
architect

FPL and Associates, Inc.
Traffic • Transportation • Civil
30 Corporate Park, Suite 401
Irvine, CA 92606
Phone: 949-252-1688



MONTE VISTA ELEMENTARY SCHOOL
2-STORY MODULAR CLASSROOM BUILDING

GLENDALE UNIFIED SCHOOL DISTRICT
2620 ORANGE AVENUE
LA CRESCENTA - MONTEROSE, CALIFORNIA 91214

owner

IBP project number :	21056.00
file name:	
drawn by:	checked by:
date:	SEPTEMBER 17, 2021
Rev:	date: description:

drawing title:
DETAIL SHEET

drawing no.:
C005
drawing of



COUNTY OF LOS ANGELES FIRE DEPARTMENT
FIRE PREVENTION DIVISION

REV 04/03

STANDARD FIRE HYDRANT BARRICADE

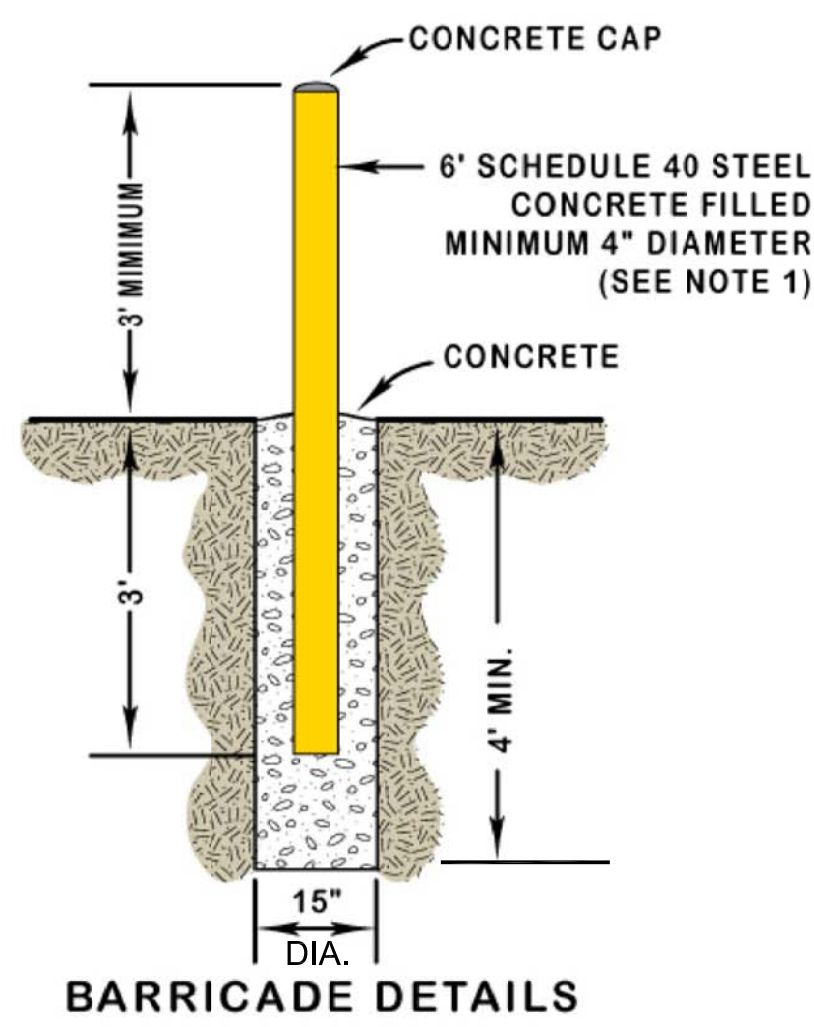


Figure 1

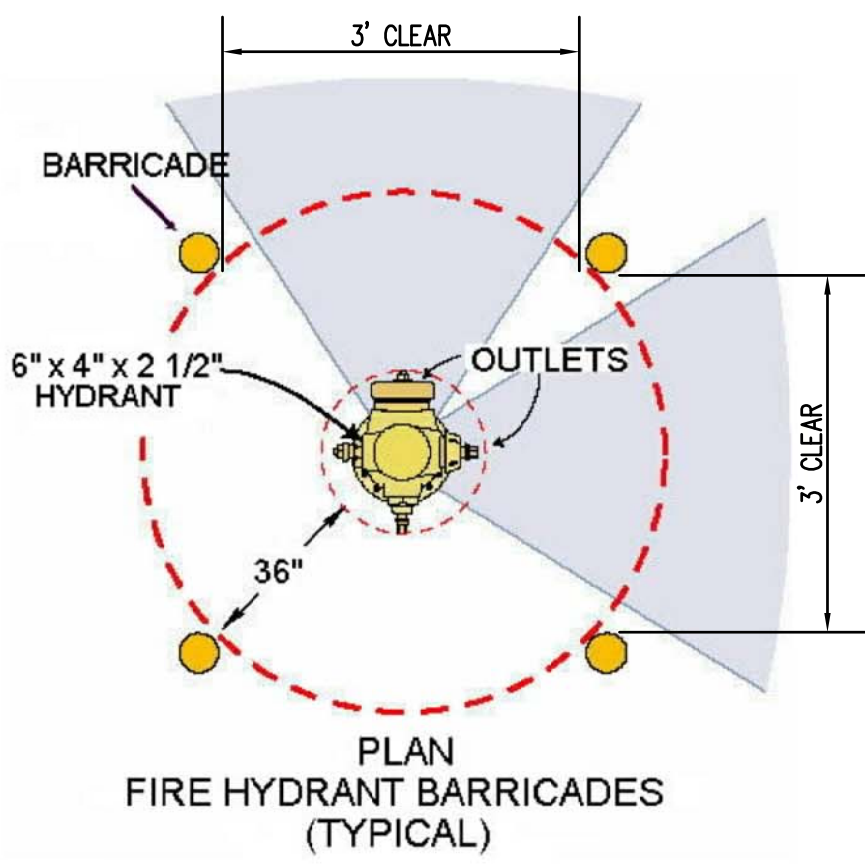


Figure 2

Notes:

- Figure 1: 6 inch diameter pipe if heavy truck traffic is anticipated. Schedule 40 steel and concrete filled.
- Posts, fences, vehicles, growth, trash storage and other materials or things shall not be placed or kept near fire hydrants in a manner that would prevent fire hydrants from being immediately discernable. If hydrant to be barricaded; no barricade shall be constructed in front of hydrant outlets. (Figure 2, shaded area)
- The exact location of barricades may be changed by the Fire Inspector in the field.
- The steel pipe above ground shall be painted a minimum of two field coats of primer.
- Two finish coats of "Traffic Signal Yellow" shall be used for Fire Hydrant Barricades.
- Figure 3 shows hydrant hook up during fire ground operations. Notice apparatus (Hydra-Assist Valve) connected to hydrant and the required area. Figure 3 shows the importance of not constructing barricades or other obstructions in front of hydrant outlets.

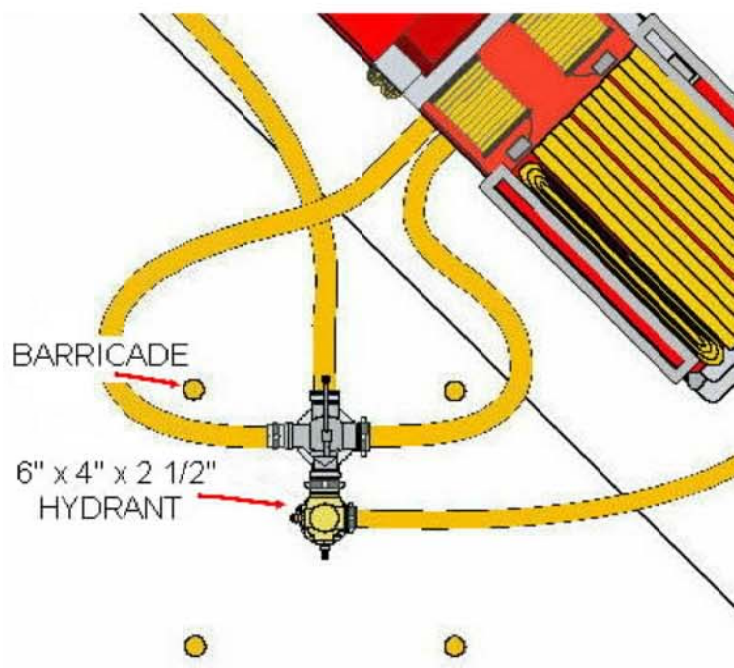
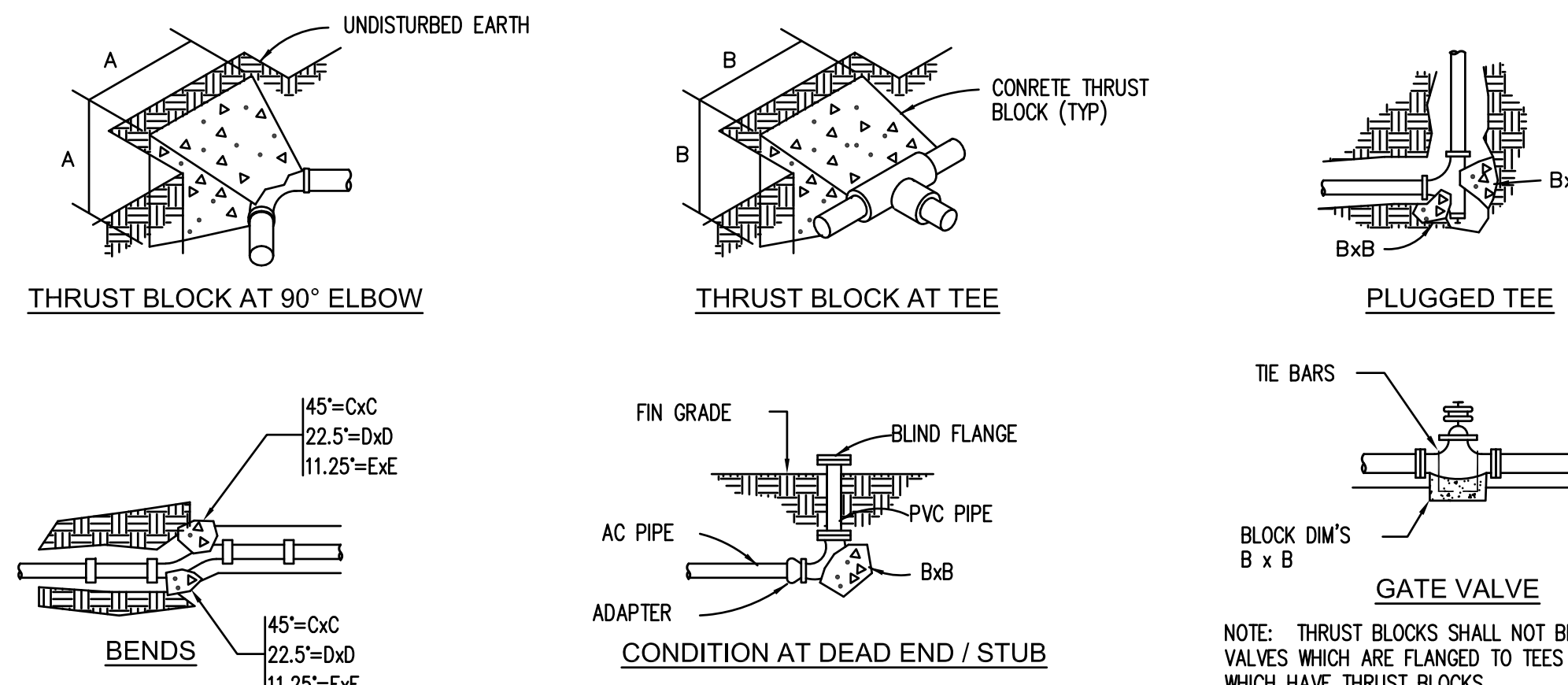


Figure 3

F7 FIRE HYDRANT BARRICADE DETAIL
NOT TO SCALE



PIPE SIZE (INCHES)	90° ELBOW		TEE / STUB		45° BEND		22.5° BEND		11.25° BEND	
	A	B	C	D	E	F	G	H	I	J
2	14"	12"	10"	8"	6"					
3	20"	17"	15"	11"	8"					
4	28"	23"	20"	15"	10"					
6	39"	33"	29"	21"	15"					
8	52"	43"	38"	27"	19"					
10	63"	53"	46"	33"	24"					
12	75"	63"	55"	40"	28"					

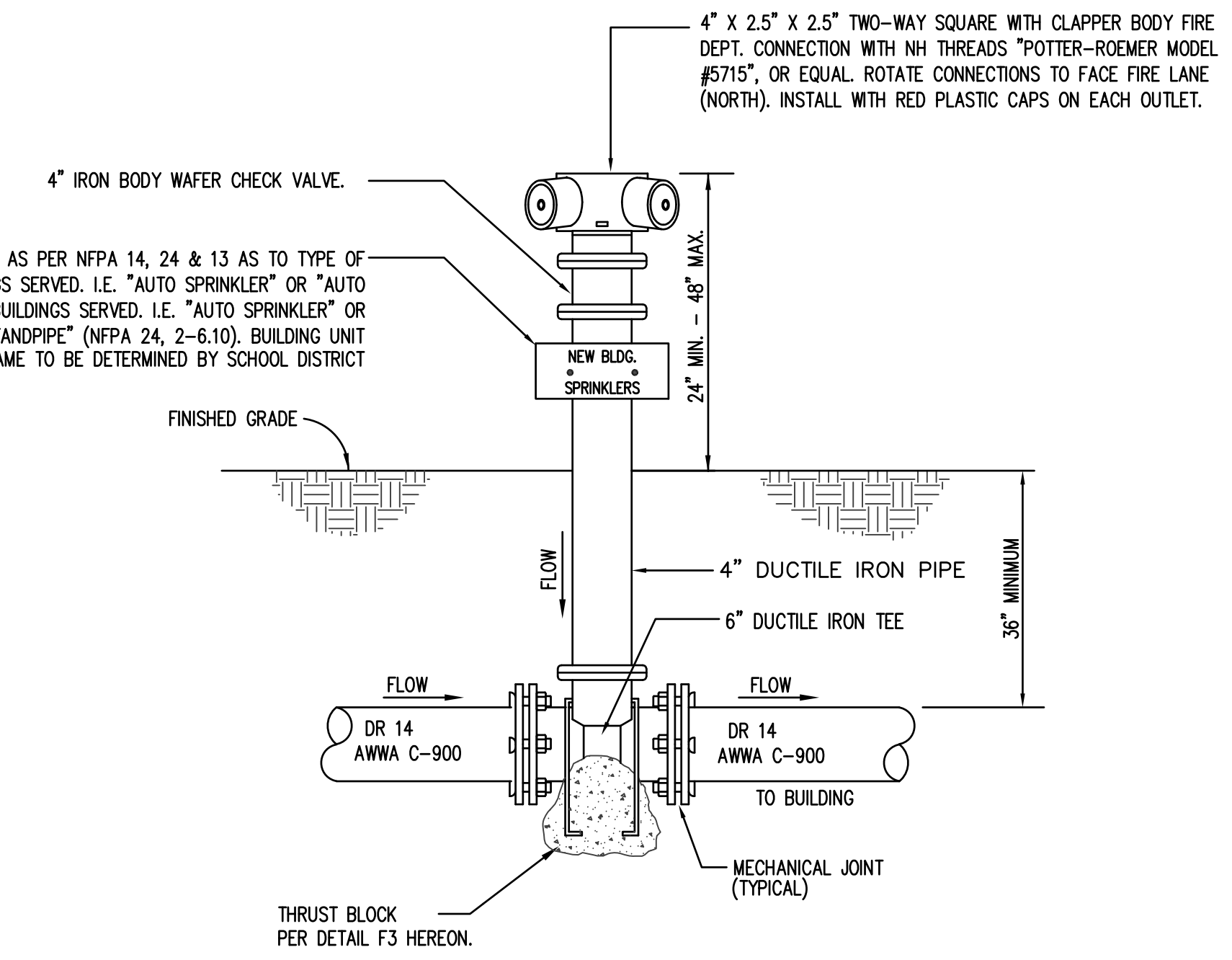
F3 CONCRETE THRUST BLOCK DETAILS
NOT TO SCALE

GENERAL NOTES:

- ALL DUCTILE IRON FITTINGS BURIED UNDERGROUND SHALL BE PROTECTED WITH PLASTIC FILM WRAP IN ACCORDANCE WITH AWWA C105. WRAP SHALL BE A LOOSE 8'-MIL-THICK POLYETHYLENE TUBE. ALL JOINTS BETWEEN PLASTIC TUBES SHALL BE WRAPPED WITH 2-INCH-WIDE POLYETHYLENE ADHESIVE TAPE, POLYKEN 900, SCOTCH WRAP 50, OR APPROVED EQUAL.
- THRUST BLOCK AREAS ARE CALCULATED BASED ON 200 PSI PRESSURE AND 1,500 PSF ALLOWABLE SOIL BEARING PRESSURE PER TABLE A.10.6.1(c) SANDY SILT EXISTING SOIL & SIZED PER N.F.P.A. 24 TABLE A.10.6.1(g), 2016 EDITION. TOP 5 FEET OF SOIL IS CLASSIFIED AS SANDY SILT IN THE PROJECT SOILS REPORT.
- ALL BOLTS AND STUDS SHALL BE TYPE 316 STAINLESS STEEL PER ASTM A193 GRADE B8M. NUTS AND WASHERS SHALL BE TYPE 316 STAINLESS STEEL PER ASTM A194 GRADE B8.
- THRUST BLOCKS SHALL BE INSTALLED AT EVERY CHANGE OF DIRECTION.
- ALL THRUST BLOCKS SHOULD, WHERE POSSIBLE, BE PLACED AGAINST UNDISTURBED SOIL. WHERE IT IS NOT POSSIBLE TO PLACE THE BEARING SURFACE AGAINST UNDISTURBED SOIL, THE FILL BETWEEN THE BEARING SURFACE AND UNDISTURBED SOIL MUST BE COMPACTED TO AT LEAST 90% STANDARD PROCTOR DENSITY (PER N.F.P.A. 24 A.10.6.1), 2016 EDITION. THEY SHALL BE CENTERED VERTICALLY AND HORIZONTALLY ABOUT THE DIRECTION OF THE THRUST.
- THRUST BLOCKS SHALL BE CONCRETE CLASS 520-C-2500 PER THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2018 EDITION, SECTION 201-1 WITH TYPE II CEMENT.
- WHERE WATER MAIN DEAD ENDS ARE BLIND FLANGED OR CAPPED, THE THRUST BLOCK SHALL EXTEND A MINIMUM DISTANCE OF 6" INTO BOTH SIDES OF THE TRENCH.
- CONCRETE POURED AGAINST PIPE FITTINGS SHALL BE PLACED SO THAT VALVES AND FITTINGS ARE ACCESSIBLE FOR REPAIR.
- THE BARS SHALL BE #4 REBAR (PER ASTM 767 AND D3963) OR STAINLESS STEEL WITH ACI HOOKED ENDS. WHEN THE BARS ARE NOT EMBEDDED IN CONCRETE THEY SHALL BE COATED WITH KOPPERS CO. BITUMASTIC NO. 50 OR EQUIVALENT.
- ALL EXPOSED FLANGES AND OTHER METAL SURFACES AND ALL DAMAGED COATINGS SHALL BE COATED AFTER ASSEMBLY WITH A MASTIC, PER SPECIFICATIONS.
- CONCRETE SHALL HAVE 3" MINIMUM CLEARANCE AROUND ALL JOINTS.

GENERAL NOTES:

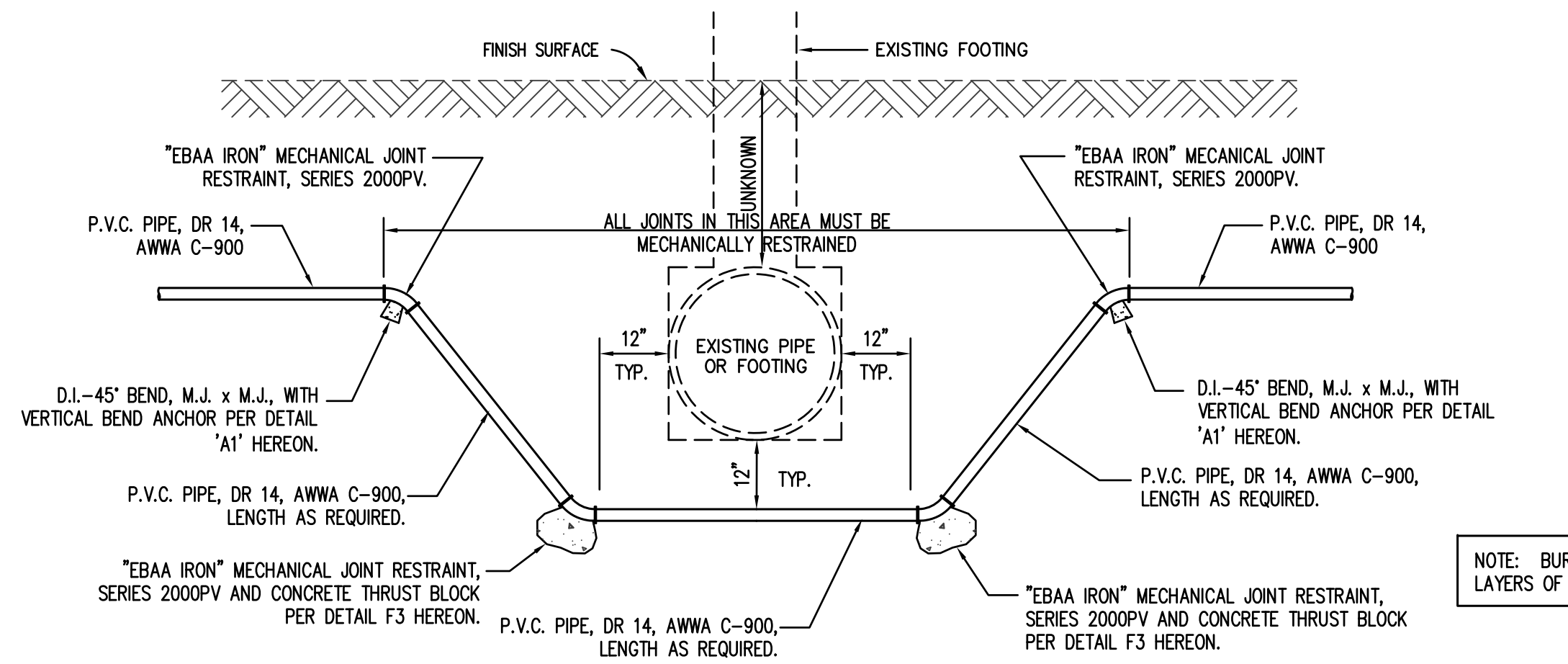
- ALL DUCTILE IRON FITTINGS BURIED UNDERGROUND SHALL BE PROTECTED WITH PLASTIC FILM WRAP IN ACCORDANCE WITH AWWA C105. WRAP SHALL BE A LOOSE 8'-MIL-THICK POLYETHYLENE TUBE. ALL JOINTS BETWEEN PLASTIC TUBES SHALL BE WRAPPED WITH 2-INCH-WIDE POLYETHYLENE ADHESIVE TAPE, POLYKEN 900, SCOTCH WRAP 50, OR APPROVED EQUAL.
- ALL BOLTS AND STUDS SHALL BE TYPE 316 STAINLESS STEEL PER ASTM A193 GRADE B8M. NUTS AND WASHERS SHALL BE TYPE 316 STAINLESS STEEL PER ASTM A194 GRADE B8.
- CONCRETE POURED AGAINST PIPE FITTINGS SHALL BE PLACED SO THAT VALVES AND FITTINGS ARE ACCESSIBLE FOR REPAIR.
- ALL EXPOSED FLANGES AND OTHER METAL SURFACES AND ALL DAMAGED COATINGS SHALL BE COATED AFTER ASSEMBLY WITH A MASTIC, PER SPECIFICATIONS.
- THE COMPLETED ABOVE GROUND P.I.V. & F.D.C. SHALL BE PAINTED RED, SEE SPECIFICATIONS.



F5 FIRE DEPARTMENT CONNECTION DETAIL
NOT TO SCALE

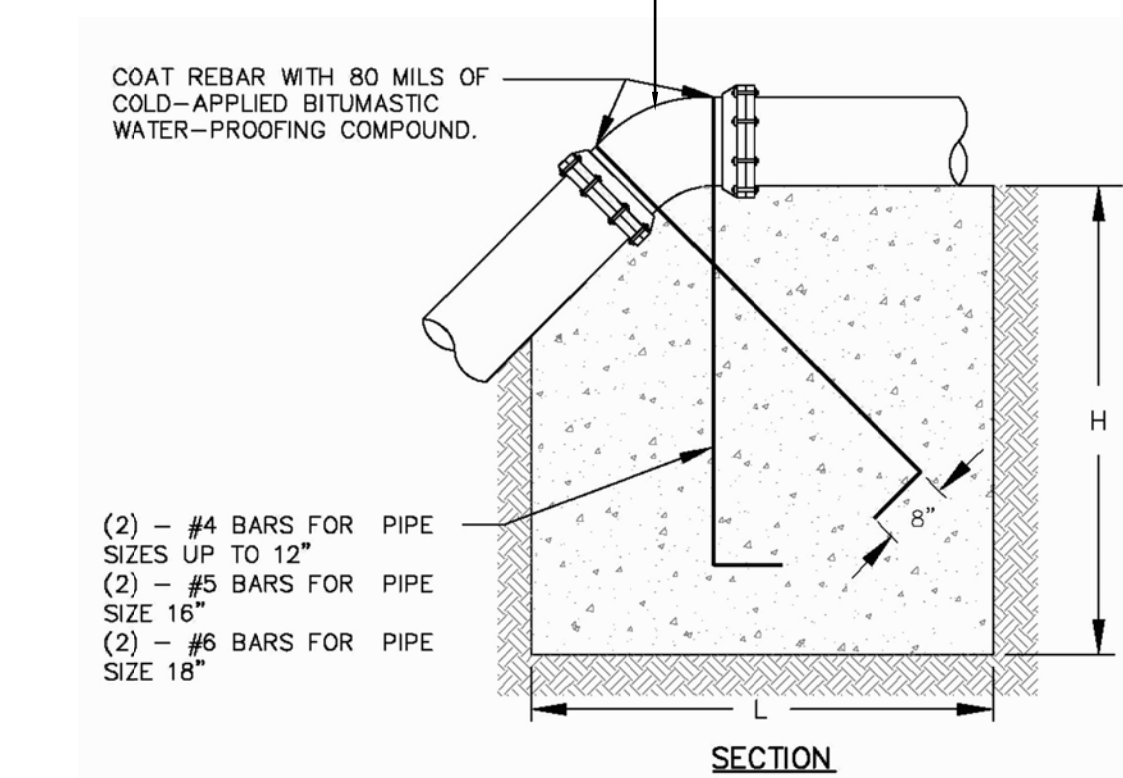
FIRE DEPARTMENT CONNECTION SIGNAGE NOTES

- ALL SIGNS MUST STATE THE ADDRESS OF THE BUILDING BEING SERVED.
- THE SIGN SHALL BE METAL, PAINTED WHITE WITH ENGRAVED RED LETTERS 1" HIGH.
- THE SIGN SHALL INDICATE ONLY ADDRESS OR ZONE AND WHAT IT SERVES, I.E. SPRINKLERS, ON SITE HYDRANTS, ETC.
- SIGNS SHALL BE A MINIMUM OF FOUR INCHES HIGH BY EIGHT INCHES WIDE.
- SIGNS SHALL BE PERMANENTLY Banded TO THE VALVE WITH U-BOLTS.



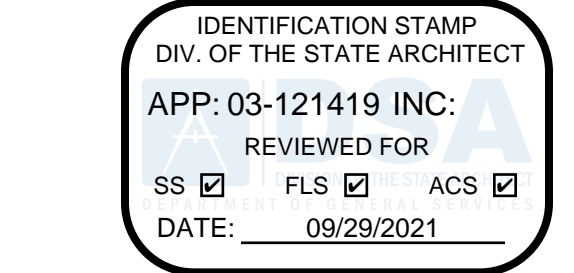
CONSTRUCT WHERE CONDITIONS REQUIRE WATER MAIN VERTICAL OFFSET DUE TO EXISTING OBSTRUCTION DOES NOT APPLY TO SEWER - WATER SHALL ALWAYS CROSS SEWER OVER TOP

WATER MAIN VERTICAL OFFSET
NOT TO SCALE

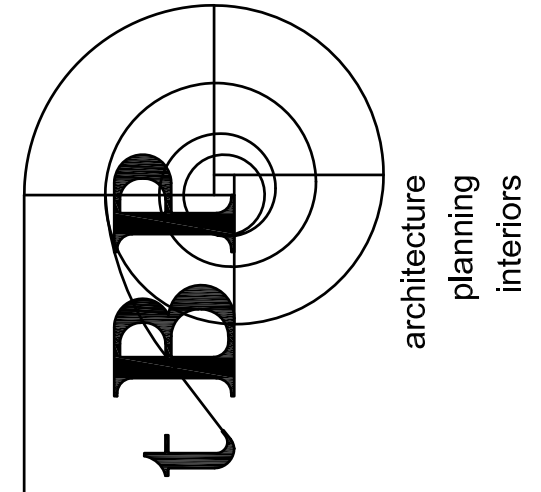


A1 VERTICAL BEND ANCHOR DETAIL
NOT TO SCALE

PIPE SIZE	VERTICAL BEND ANCHOR		THRUST (LBS)	THRUST (LBS)
	VOLUME (YD ³)	THRUST (LBS)		
4"	0.4	1104	32	0.7
6"	0.8	2483	42	1.6
8"	1.5	4414	51	2.8
10"	2.2	6897	59	4.4
12"	3.2	9832	67	6.4
16"	5.6	17657	81	11.4
18"	7.4	22347	87	14.1



#03 - 12419
DIVISION OF THE STATE ARCHITECT
355 S. GRAND AVE, SUITE 2100
LOS ANGELES, CA 90071
PH: 213.897.3995 FAX: 213.897.3158/0726
agency



IBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
PH: 949.673.0300
architect

FPL and Associates, Inc.
Traffic • Transportation • Civil
30 Corporate Park, Suite 401
Irvine, CA 92606
Phone: 949-252-1688



consultant

MONTE VISTA ELEMENTARY SCHOOL
2-STORY MODULAR CLASSROOM BUILDING
GLENDALE UNIFIED SCHOOL DISTRICT
2620 ORANGE AVENUE
LA CRESCENTA - MONTEROSE, CALIFORNIA 91214
owner

IBP project number: 21056.00

file name:

drawn by: checked by:

date: SEPTEMBER 17, 2021

Rev: date: description:

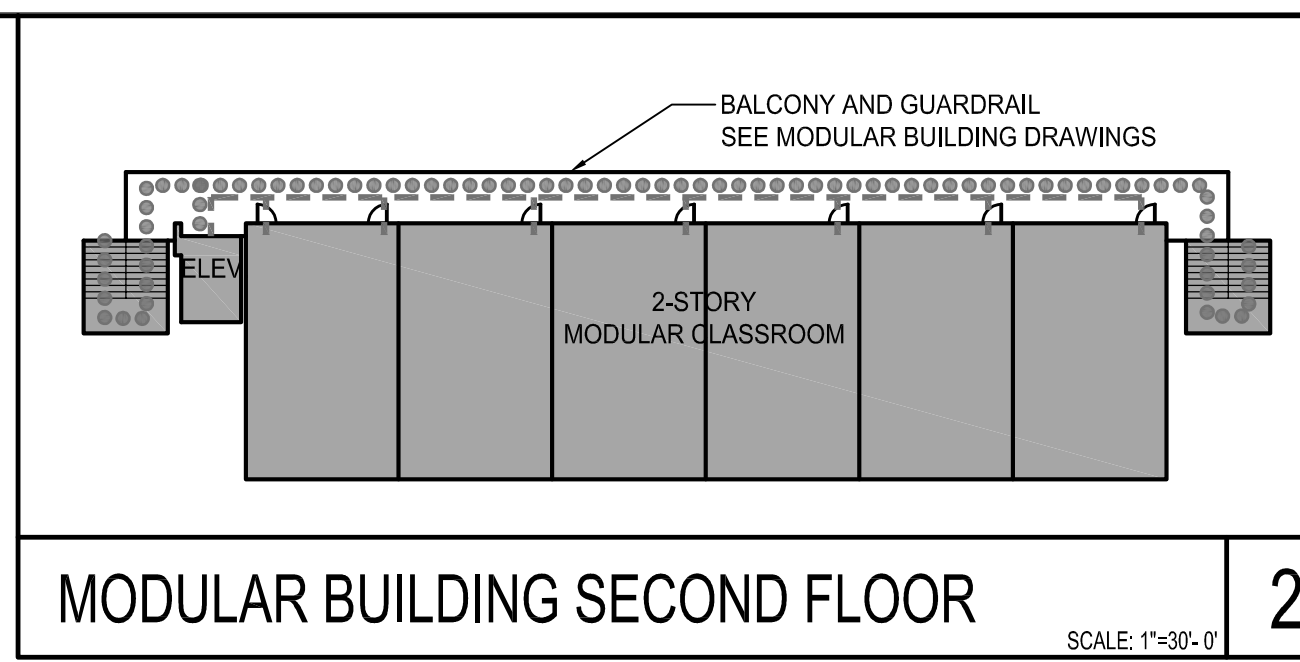
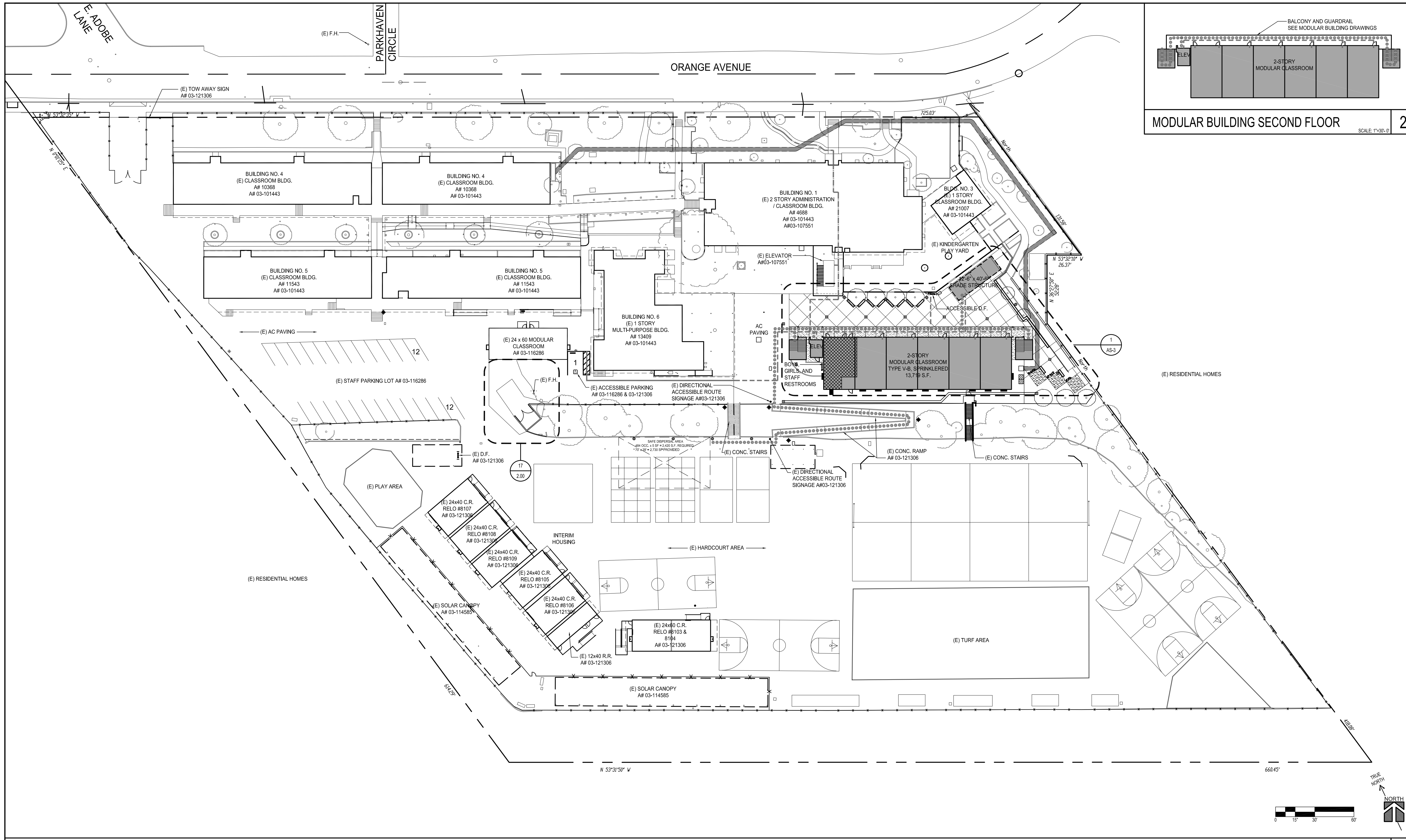
drawing title:

DETAIL SHEET

drawing no.:

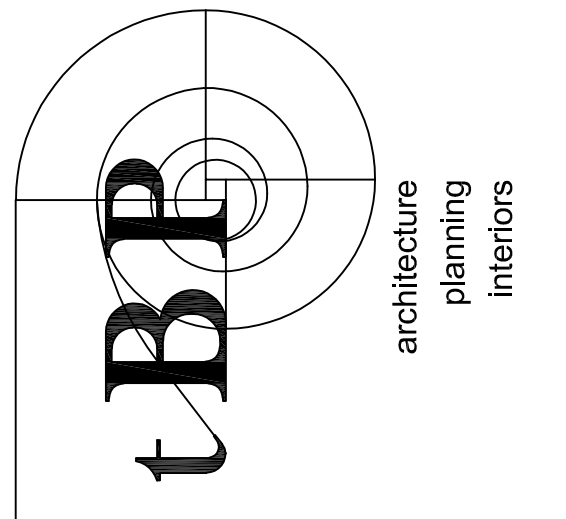
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drawing of



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-121419 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 09/29/2021

APR 03-121419
 DIVISION OF THE STATE ARCHITECT
 355 S. GRAND AVE. SUITE 2100
 LOS ANGELES, CA 90071
 ph: 213.897.3995 fx: 213.897.3159/0726
 agency



tBP/Architecture
 4611 Teller Avenue
 Newport Beach, CA 92660
 ph: 949.673.0300
 architect

consultant

owner
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2-STORY MODULAR CLASSROOM BUILDING
 GLENDALE UNIFIED SCHOOL DISTRICT
 2620 ORANGE AVENUE
 LA CRESCENTA, CALIFORNIA 91214

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

2019 CBC FLOOD DESIGN	
FLOOD ZONE DESIGNATION - ZONE X	
THE FLOOD INSURANCE RATE MAP - 06037C1375F (FIRM) PANEL DESIGNATION	
EFFECTIVE DATE OF THE FIRM - 09/28/2008	
BASE FLOOD ELEVATION (BFE) - N/A	

CERTIFICATION STATUS				
APP. NO.	CERT. STATUS	DATE	PROJECT SCOPE	
4688	FULL CERTIFIED	08/24/1948	CONSTRUCTION OF ADMINISTRATION & CLASSROOM BUILDING	
10368	FULL CERTIFIED	04/14/1954	CONSTRUCTION OF CLASSROOM BUILDING	
11543	FULL CERTIFIED	01/04/1955	CONSTRUCTION OF ADDITIONAL CLASSROOM BUILDING	
13409	FULL CERTIFIED	03/07/1958	CONSTRUCTION OF MULTIPURPOSE BUILDING	
21007	FULL CERTIFIED	05/28/1962	CONSTRUCTION OF KINDERGARTEN BUILDING	
60731	#1 CERTIFICATION	07/09/1997	CONSTRUCTION OF CLASSROOM BUILDING (RELOCATABLE)	
63384	#1 CERTIFICATION	12/31/1998	CONSTRUCTION OF CLASSROOM BUILDING (RELOCATABLE)	
65700	#1 CERTIFICATION	06/22/1999	CONSTRUCTION OF CLASSROOM BUILDING (RELOCATABLE)	
69850	#1 CERTIFICATION	12/22/1998	CONSTRUCTION OF CLASSROOM BUILDING (RELOCATABLE) PC-04	
03-101443	#2 CERTIFICATION	07/25/2003	ALTERATION TO HVAC AND MODERNIZATION	
03-107551	#1 CERTIFICATION	04/01/2008	CONSTRUCTION OF ELEVATOR BLDG. NAME: SITE WORK RELOCATION OF 2 RELOC. C.R. BLDG. ALTERNATE TO ADMIN. BLDG. (2 ON BLDG) (2 ON BLDG)	
03-114585	#3 CERTIFICATION	03/04/2013	CONSTRUCTION OF PHOTOVOLTAIC SUPPORT STRUCTURES	
03-116286	#1 CERTIFICATION	06/07/2016	RELOCATION OF CLASSROOM BUILDING (RELOCATABLE) 2400, 460741	
03-120092	#1 CERTIFICATION	03/16/2020	RELOCATION OF 1-TWOLET BUILDING (RELOCATABLE) (12040) FROM STOCKPILE AREA-18987 (SN 038-5)	
03-121306	UNDER CONSTRUCTION		CONSTRUCTION OF CONCRETE RAMP ON GRADE, RELOCATION OF 6 CLASSROOM BUILDINGS AND ONE RESTROOM BUILDING, INTERIM HOUSING.	

PARKING TABULATION	
(E) PARKING LOT	
VAN ACCESSIBLE STALL (A903-116286 & 03-121306)	1
STANDARD PARKING STALL	24
TOTAL PARKING STALLS	25

GENERAL NOTES

- VERIFY ALL EXISTING & FINISH GRADES, DIMENSIONS & SITE CONDITIONS BEFORE COMMENCING WORK AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.
- ALL GRADING WORK SHALL CONFORM TO APPLICABLE PROVISIONS OF THE UNIFORM BUILDING CODE, TITLE 24, AND LOCAL CODES AND ORDINANCES. IN THE EVENT OF CONFLICTING PROVISIONS, ALWAYS CONFORM TO THE MORE STRINGENT REQUIREMENTS.
- DETERMINE NECESSARY SUBGRADE ELEVATIONS AND CONSTRUCT SMOOTH TRANSITIONS BETWEEN FINISHED GRADES. FINISHED GRADE ELEVATIONS ADJACENT TO BUILDING PERIMETERS TO BE 1" BELOW FINISHED FLOOR ELEVATIONS, UNLESS OTHERWISE NOTED.
- ALL CONCRETE PAVING TO BE MEDIUM BROOM FINISH UNLESS NOTED OTHERWISE.
- SITE IMPROVEMENTS IN THE ACCESSIBLE PATH OF TRAVEL SHALL PROVIDE A BARRIER-FREE ACCESS WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/4" OR 1/2" WHEN BEVELED 1:2. WALKWAYS SHALL HAVE A MINIMUM SLOPE OF 1:21. MAXIMUM CROSS-SLOPE IS 2% TYPICAL. THE CONTRACTOR SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVED.
- ARCHITECT TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC 11B-206.
- LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING TO AVOID INTERCEPTING EXISTING PIPING OR CONDUITS. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
- GRATING LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY IN THE P.O.T. SHALL HAVE GRID OPENINGS IN GRATING LIMITED TO 1/2" MAXIMUM CLEAR IN THE DIRECTION OF TRAVEL FLOW.
- GATES WITHIN ACCESSIBLE ROUTE OF TRAVEL MUST COMPLY WITH ALL APPLICABLE DOOR REQUIREMENTS, 11B-404.

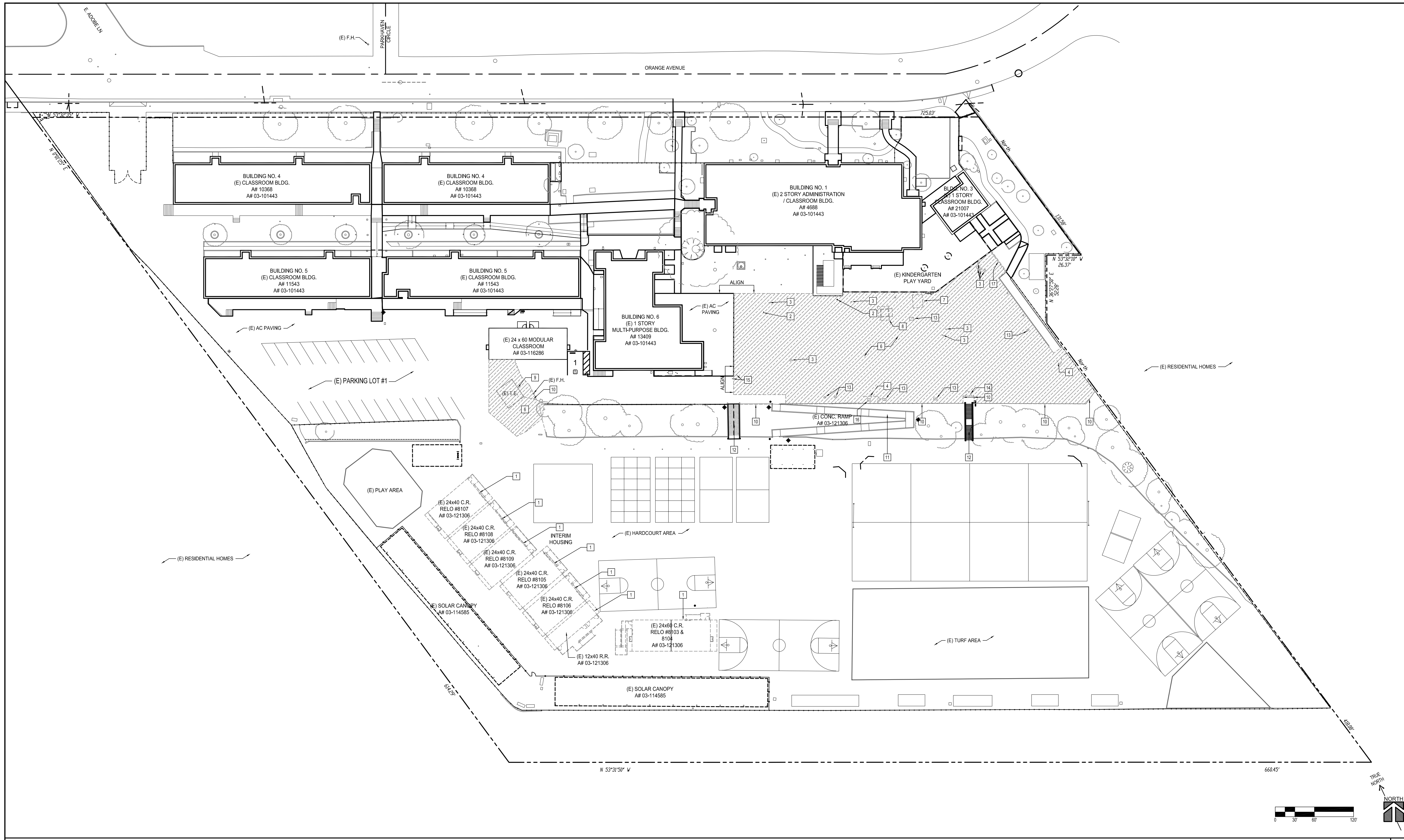
DESIGN PROFESSIONAL, IN GENERAL, RESPONSIBLE CHARGE STATEMENT. THE P.O.T. IN THESE CONSTRUCTION DOCUMENTS IS IN COMPLIANCE WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT (1) HAVE BEEN IDENTIFIED AND (2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARSHNESS ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

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

SITE IMPROVEMENTS IN THE ACCESSIBLE PATH OF TRAVEL SHALL PROVIDE A BARRIER-FREE ACCESSIBLE ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 3/8" BEVELED AT SLOPE NOT STEEPER THAN 1:2, EXCEPT THAT LEVEL CHANGES ARE 3/8" MAXIMUM VERTICAL, AND AT LEAST 48" WIDE. SURFACE SHALL BE STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE SHALL NOT BE STEEPER THAN 1/8" AND RUNNING SLOPE SHALL NOT BE STEEPER THAN 1:20 UNLESS OTHERWISE INDICATED. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 8" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL SURFACE BETWEEN 27" AND 80" ABOVE FINISH FLOOR AND GROUND. PROVIDE FLUSH TRANSITIONS AT ANY ADJOINING JOINTS BETWEEN NEW AND EXISTING (E) WALK SURFACES IN P.O.T..

LEGEND	
(E) F.H.	EXISTING FIRE HYDRANT
---	PROPERTY LINE
---	(E) ACCESSIBLE PATH OF TRAVEL (AF 03-107551)
---	(E) ACCESSIBLE PATH OF TRAVEL (A903-121306)
---	ACCESSIBLE PATH OF TRAVEL
.....	EXIT DISCHARGE PATH
(N)	NEW
(E)	EXISTING
.....	(N) BOYS, GIRLS, AND STAFF ACCESSIBLE RESTROOMS

tBP project number : 21066.01
 file name:
 drawn by: checked by:
 date: SEPTEMBER 22, 2021
 Rev. date: description:
 drawing title:
OVERALL SITE PLAN
 drawing no.:
AS-1
 drawing of



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

LEGEND
<p>----- ITEMS TO BE REMOVED</p> <p>===== EXISTING ITEMS TO REMAIN</p>

GENERAL NOTES
<ol style="list-style-type: none"> WHERE DEMOLITION OR REMOVAL OCCURS, TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ELEMENTS TO REMAIN. FINISHED WORK DAMAGED BY OPERATIONS UNDER DEMOLITION CONTRACT SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AND ARCHITECT AT NO ADDITIONAL COST TO THE OWNER. DISPOSAL OF MATERIALS: PROMPTLY REMOVE FROM THE SITE ALL MATERIALS RESULTING FROM DEMOLITION WHICH ARE NOT TO BE REUSED. COORDINATE REMOVAL OF ALL ELECTRICAL FIXTURES, CONDUIT, AND JUNCTIONS BOXES WITH ELECTRICAL CONTRACTOR. ALL DEMOLITION WORK SHALL COMPLY WITH CH. 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION OF THE CBC AND ARTICLE 87 CFC. REFER TO SHEET T-2 FOR ADDITIONAL GENERAL NOTES, ABBREVIATIONS AND DRAFTING SYMBOLS PROTECT ALL EXISTING BUILDING NOT PART OF SCOPE. CAP ALL UTILITIES AFTER REMOVAL OF PORTABLE CLASSROOM AND RESTROOMS NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING DEMOLITION WORK HAS BEEN APPROVED BY DSA. DURING THE OVER-EXCAVATION PROCESS THE CONTRACTOR MAY ENCOUNTER COBBLE EXCESS OF 6". CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ANY AND ALL SOIL, ORGANICS, AND COBBLE MATERIAL.

KEYNOTES
<ol style="list-style-type: none"> REMOVE AND RETURN INTERIM HOUSING PORTABLE AND RAMP PER DISTRICTS DIRECTION WITHIN 50 MILES OF CURRENT LOCATION. PATCH AND REPAIR AC PAVING AS REQUIRED. PORTABLES TO BE REMOVED AFTER OCCUPANCY OF THE 2-STORY MODULAR CLASSROOM BUILDING (E) CLEAN OUT - PROTECT IN PLACE (E) REMOVE (E) SEWER CLEAN OUT PER CIVIL DRAWINGS DEMOLISH (E) CHAINLINK FENCE, GATE, AND FOOTINGS SLURRY AC PAVING AFTER PORTABLES HAVE BEEN REMOVED REMOVE (E) AC PAVING AND BASE MATERIAL REMOVE AND RELOCATED (E) MILN PER DISTRICTS DIRECTION REMOVE EXISTING CONCRETE CURB AND TREE WELL - RETURN BENCHES TO THE DISTRICT REMOVE EXISTING TRASH ENCLOSURE, GATES AND FOOTINGS REMOVE PORTION OF CHAIN LINK FENCE (E) RAMP - PROTECT IN PLACE (E) STAIR - PROTECT IN PLACE REMOVE (E) PULL BOXES, CONDUIT, WIRING, AND CABLING PER ELECTRICAL DRAWINGS REMOVE (E) CHAIN LINK GATE (E) BOLLARDS TO REMAIN REMOVE (E) DRAIN INLET REMOVE (E) RETAINING WALL

owner
<p>Monte Vista Elementary School 2-Story Modular Classroom Building</p>
architect
<p>tBP/Architecture 4811 Teller Avenue Newport Beach, CA 92660 ph: 949.673.0300</p>
agency
<p>Glendale Unified School District 2620 Orange Avenue La Crescenta, California 91214</p>
consultant
<p>Glendale Unified School District 2620 Orange Avenue La Crescenta, California 91214</p>
file name:
<p>tBP project number : 2166.01</p>
drawn by:
<p>checked by:</p>
date:
<p>SEPTEMBER 22, 2021</p>
Rev. date:
<p>description:</p>
drawing title:
<p>SITE DEMOLITION PLAN</p>
drawing no.:
<p>AS-2 drawing of</p>

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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REVIEWED FOR: SS FLS ACS
DATE: 09/29/2021

APR 03 - 121419
DIVISION OF THE STATE ARCHITECT
355 S. GRAND AVE. SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fax: 213.897.3150/0726

tBP
architecture
planning
interiors

ARCHITECT & ARCHITECTS
L. CRESCENTA
STATE OF CALIFORNIA
LICENSED

tBP/Architecture
4811 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300

architect

consultant

owner

tBP project number : 2166.01

file name:

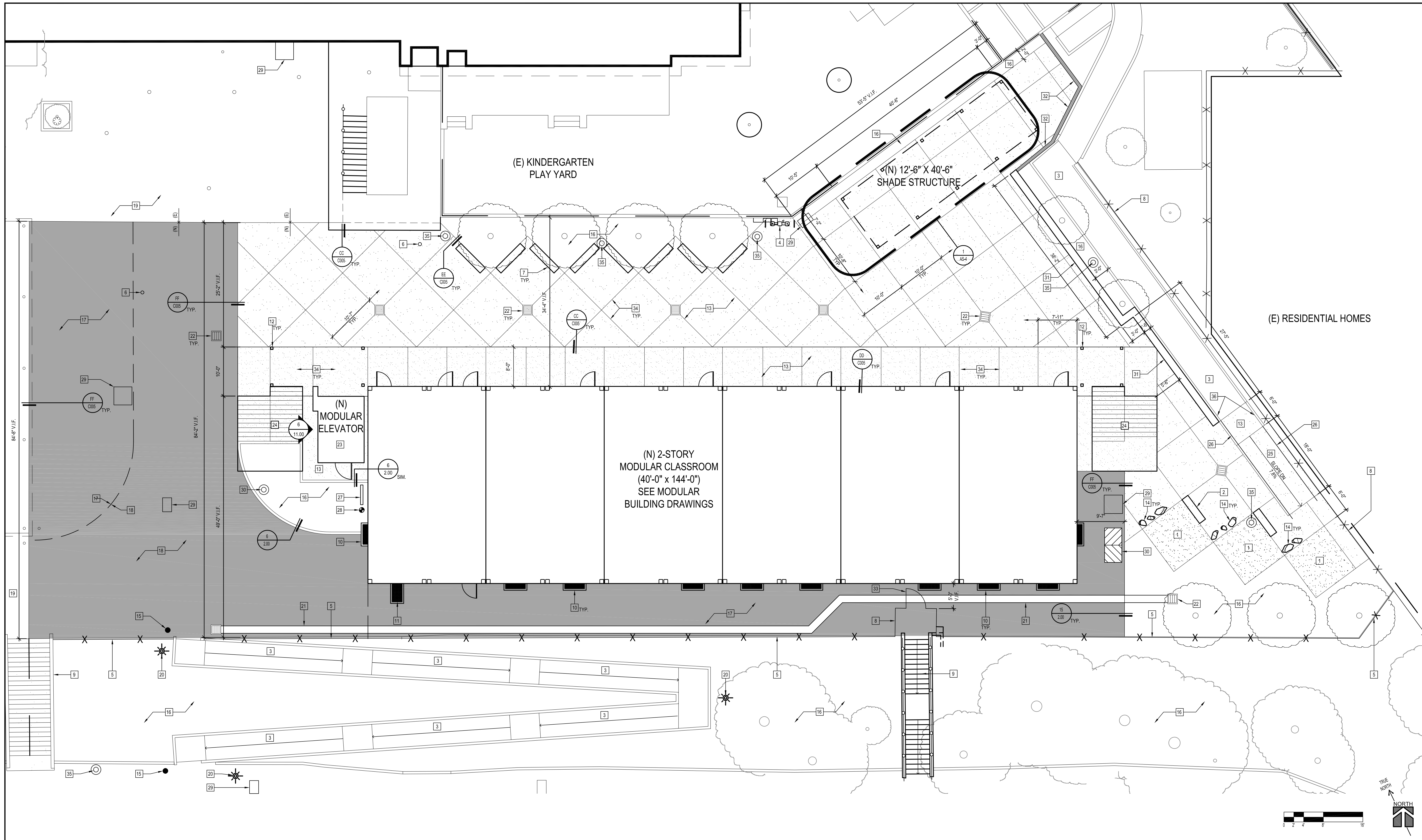
drawn by: checked by:

date: SEPTEMBER 22, 2021

Rev. date: description:

drawing title:
SITE DEMOLITION PLAN

drawing no.:
AS-2
drawing of



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

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355 S. GRAND AVE. SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159/0726

agency

tBP
architecture
planning
interiors

ARCHITECT & ARCHITECTS
L. CHENG
STATE OF CALIFORNIA
tBP/Architecture
4811 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300

architect

consultant

owner

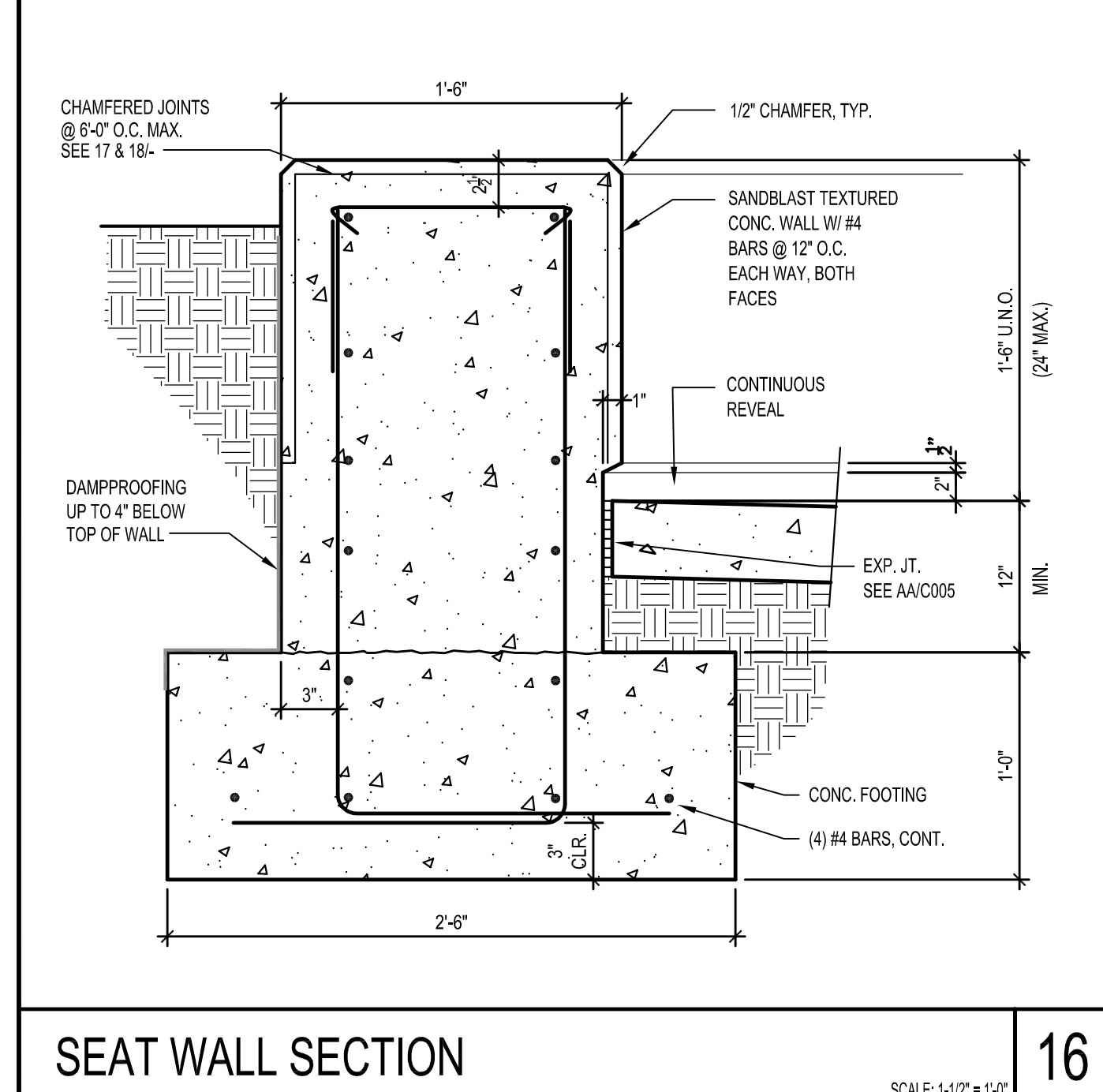
**MONTE VISTA ELEMENTARY SCHOOL
2-STORY MODULAR CLASSROOM BUILDING**

GLENDALE UNIFIED SCHOOL DISTRICT
2620 ORANGE AVENUE
LA CRESCENTA, CALIFORNIA 91214

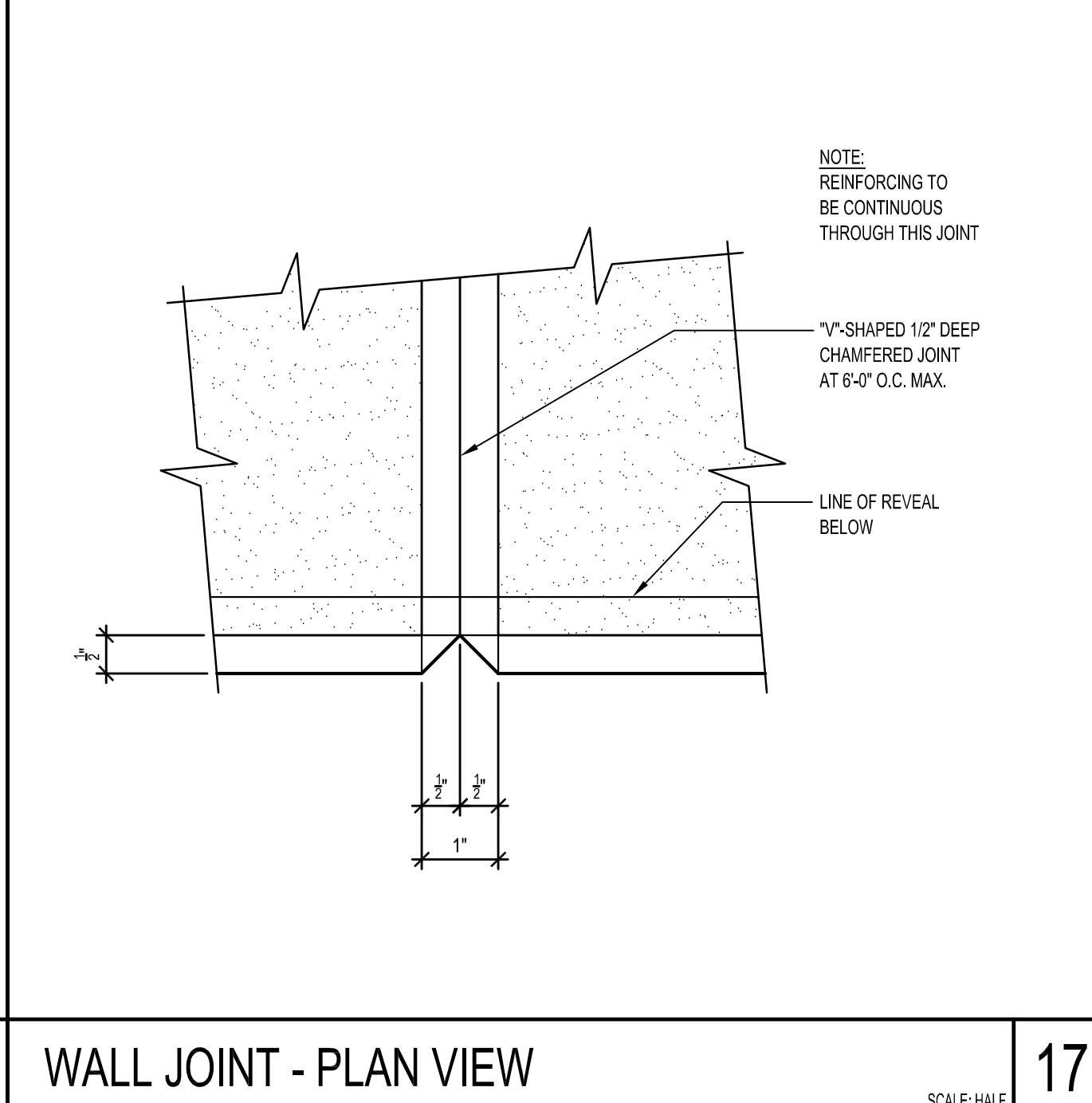
tBP project number : 2166.01
file name:
drawn by: checked by:
date: SEPTEMBER 22, 2021
Rev. date: description:

drawing title:
**MODULAR BUILDING
SITE PLAN**

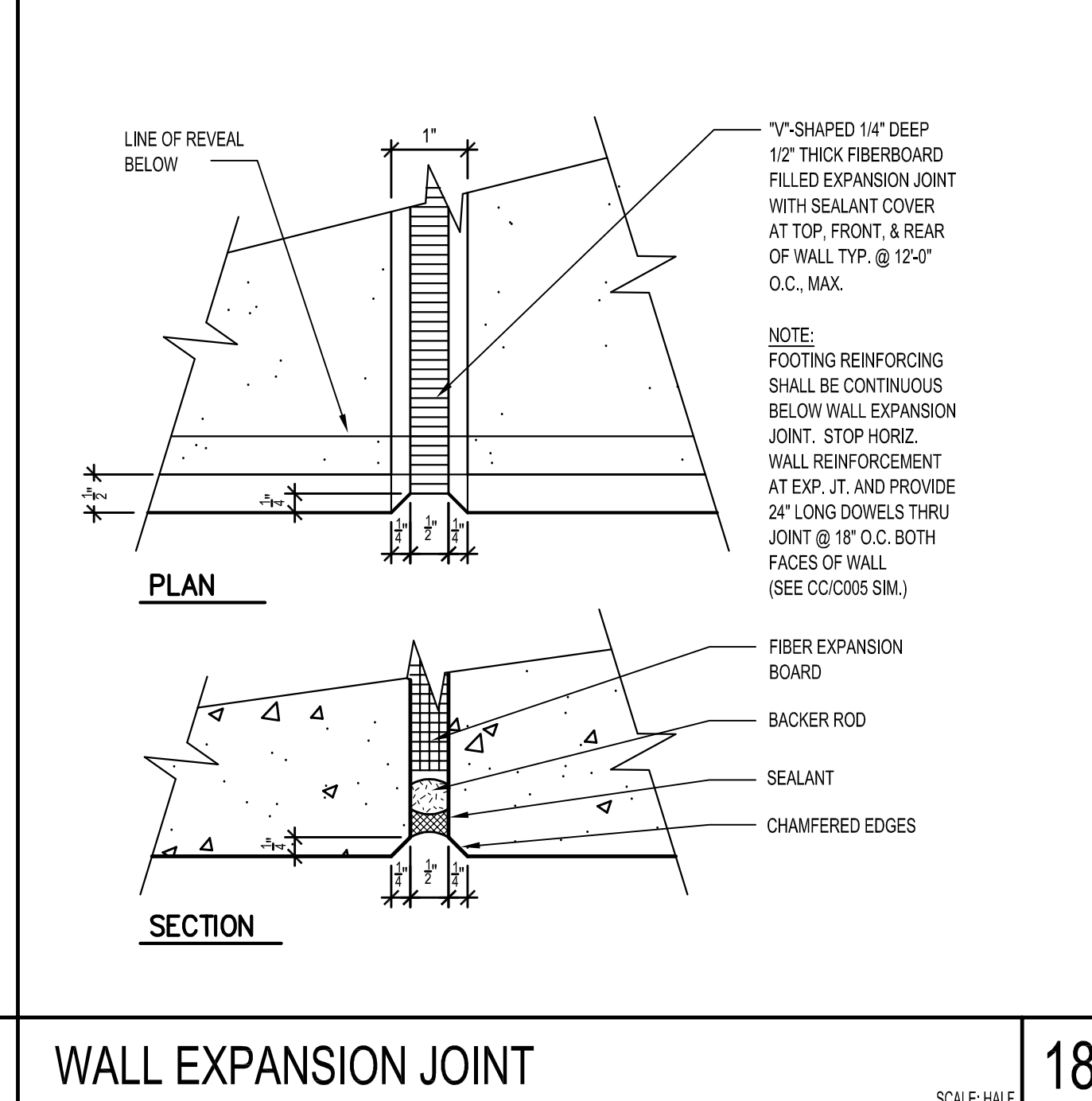
drawing no.:
AS-3
drawing of



SEAT WALL SECTION
SCALE: 1/2" = 1'-0"



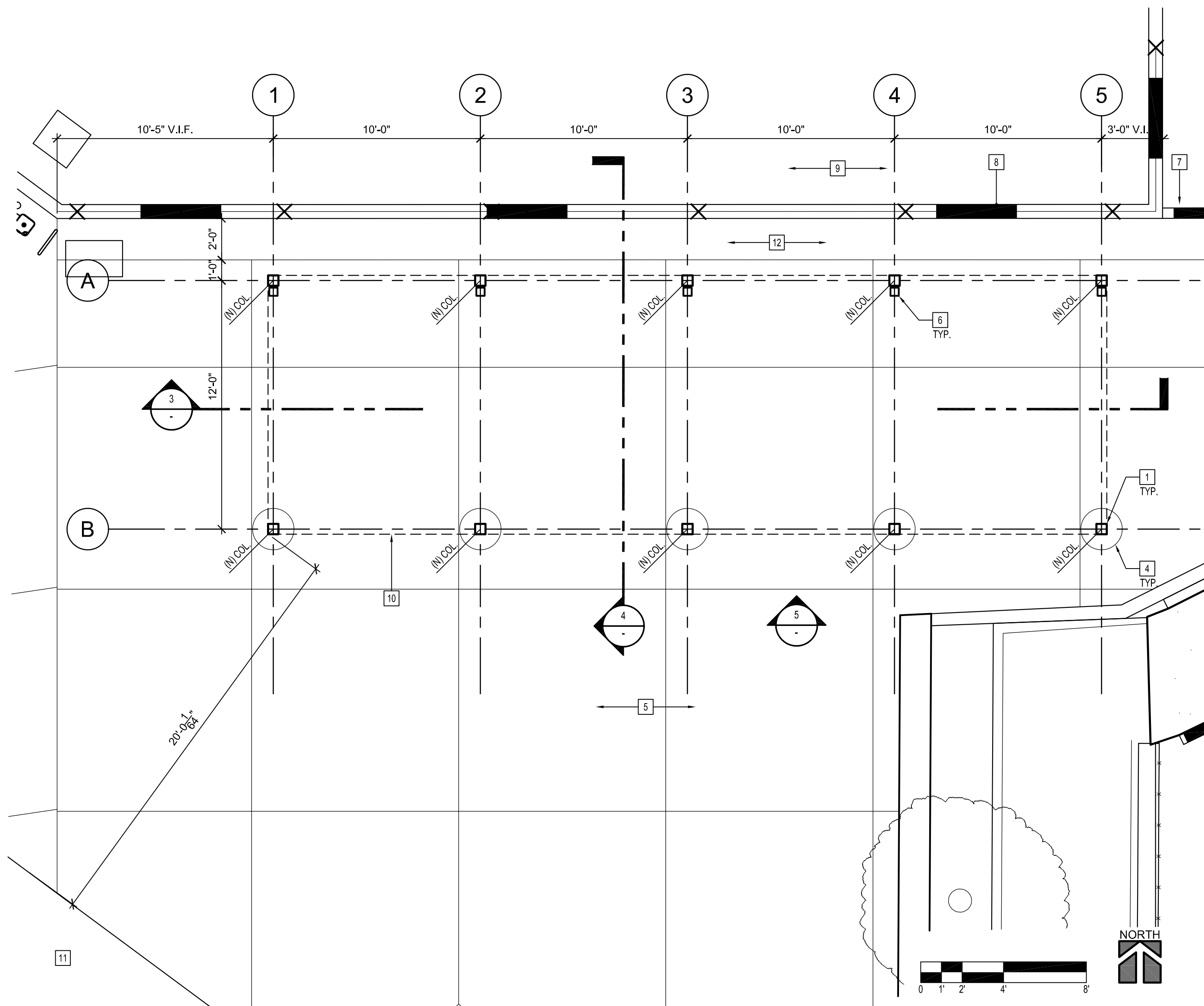
WALL JOINT - PLAN VIEW
SCALE: 1/4" = 1'-0"



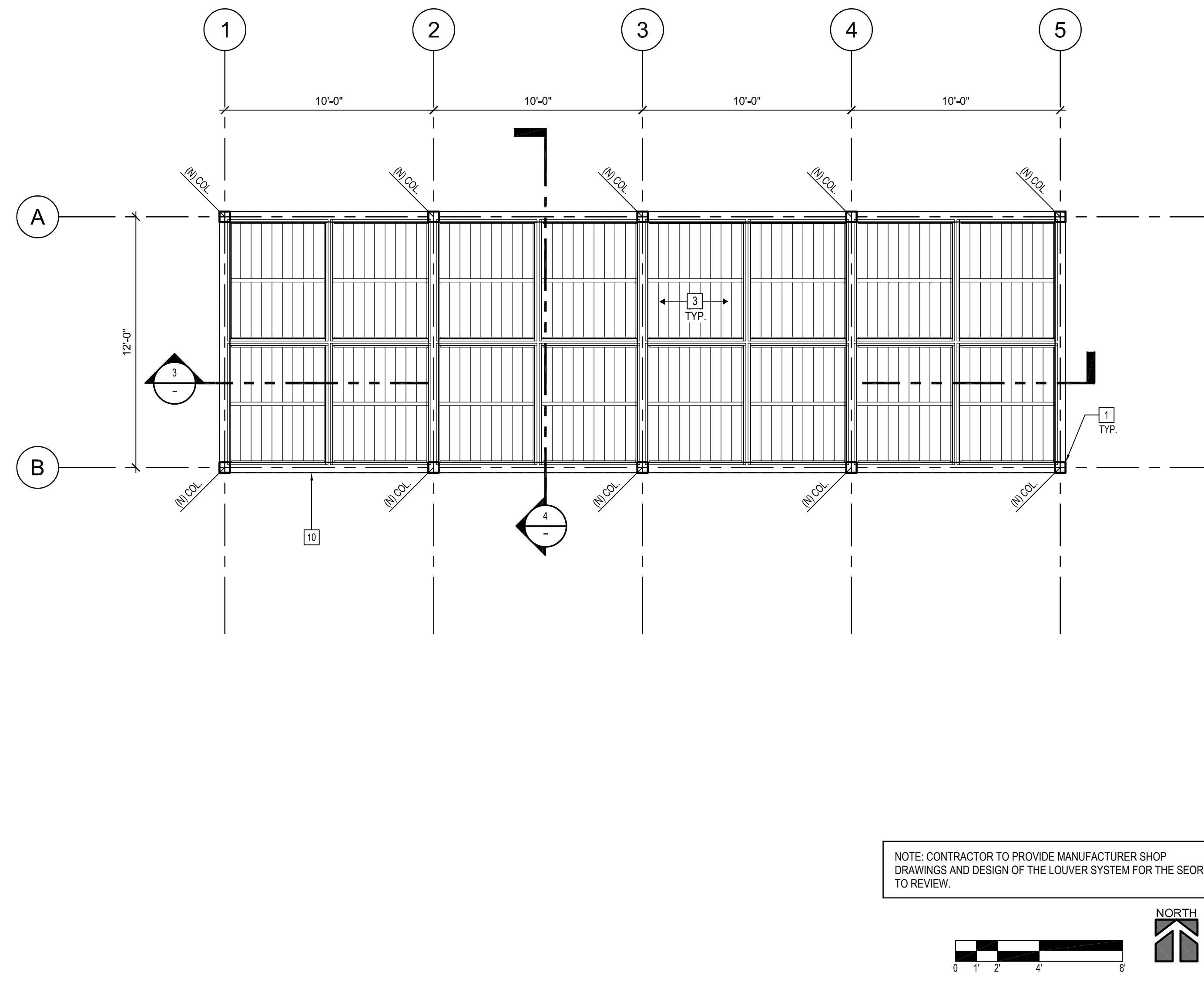
WALL EXPANSION JOINT
SCALE: 1/4" = 1'-0"

- KEYNOTES**
- DECOMPOSED GRANITE SURFACE - SEE DETAIL DL2.01
 - 6'-0" CONCRETE SEATWALL - SEE DETAIL CL2.01
 - (E) CONCRETE RAMP TO REMAIN - PROTECT IN PLACE
 - DRINKING FOUNTAIN - SEE DETAIL 19/2.00
 - 6'-0" HIGH CHAIN LINK FENCE - SEE DETAIL 10/2.00
 - CLEAN OUT - PROTECT IN PLACE
 - 7'-0" CONCRETE SEATWALL - SEE DETAIL CL2.01
 - (E) CHAINLINK FENCE TO REMAIN - PROTECT IN PLACE
 - (E) STAIR TO REMAIN - PROTECT IN PLACE
 - VENT - SEE SHEET S1.0
 - ACCESS VENT - SEE SHEET S1.0
 - MODULAR BUILDING COLUMN - SEE SHEET S1.0
 - CONCRETE PAVING - SEE DETAIL 1/0/05
 - PLACE LARGE ROCKS PER SCHOOLS DIRECTION AND HAUL OFF REMAINING LARGE ROCKS
 - (E) DIRECTIONAL ACCESSIBLE ROUTE SIGNAGE AW03-121306 - PROTECT IN PLACE
 - LANDSCAPE AREA - SEE SHEET L1.01 & L2.01
 - AC PAVING - SEE DETAIL 2A/C002
 - HEAVY DUTY AC PAVING FOR FIRE LANE - SEE DETAIL 2B/C002
 - (E) AC PAVING - PROTECT IN PLACE - PATCH AND REPAIR AS REQUIRED
 - (E) LIGHT FIXTURE - PROTECT IN PLACE
 - CONCRETE SWALE - SEE SHEET C002
 - CATCH BASIN - SEE SHEET C003
 - MODULAR ELEVATOR - SEE PC DRAWINGS 03-118281
 - STAIRS - SEE SHEET S11.0
 - CONCRETE RAMP - SEE DETAIL 14/2.00
 - HANDRAILS - SEE DETAIL 18/2.00, ATTACH TO EXISTING HANDRAILS
 - GAS PRESSURE REGULATOR - SEE SHEET P1-1
 - FIRE RISER - SEE SHEET FS-2
 - ELECTRICAL PULL BOX - SEE SHEET ES-2
 - DISTRIBUTION SWITCHBOARD - SEE SHEET ES-2
 - 18" WIDE CONCRETE SEAT WALL - SEE DETAIL 16/
 - 8" THK CONCRETE RETAINING WALL - SEE DETAIL 16/11.00
 - 4'-0" WIDE CHAIN LINK GATE DETAIL - SEE DETAIL S11.00
 - CONCRETE CONTROL JOINT - SEE DETAIL BB/C005
 - LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
 - (E) CONCRETE RAMP HANDRAILS TO REMAIN - PROTECT IN PLACE

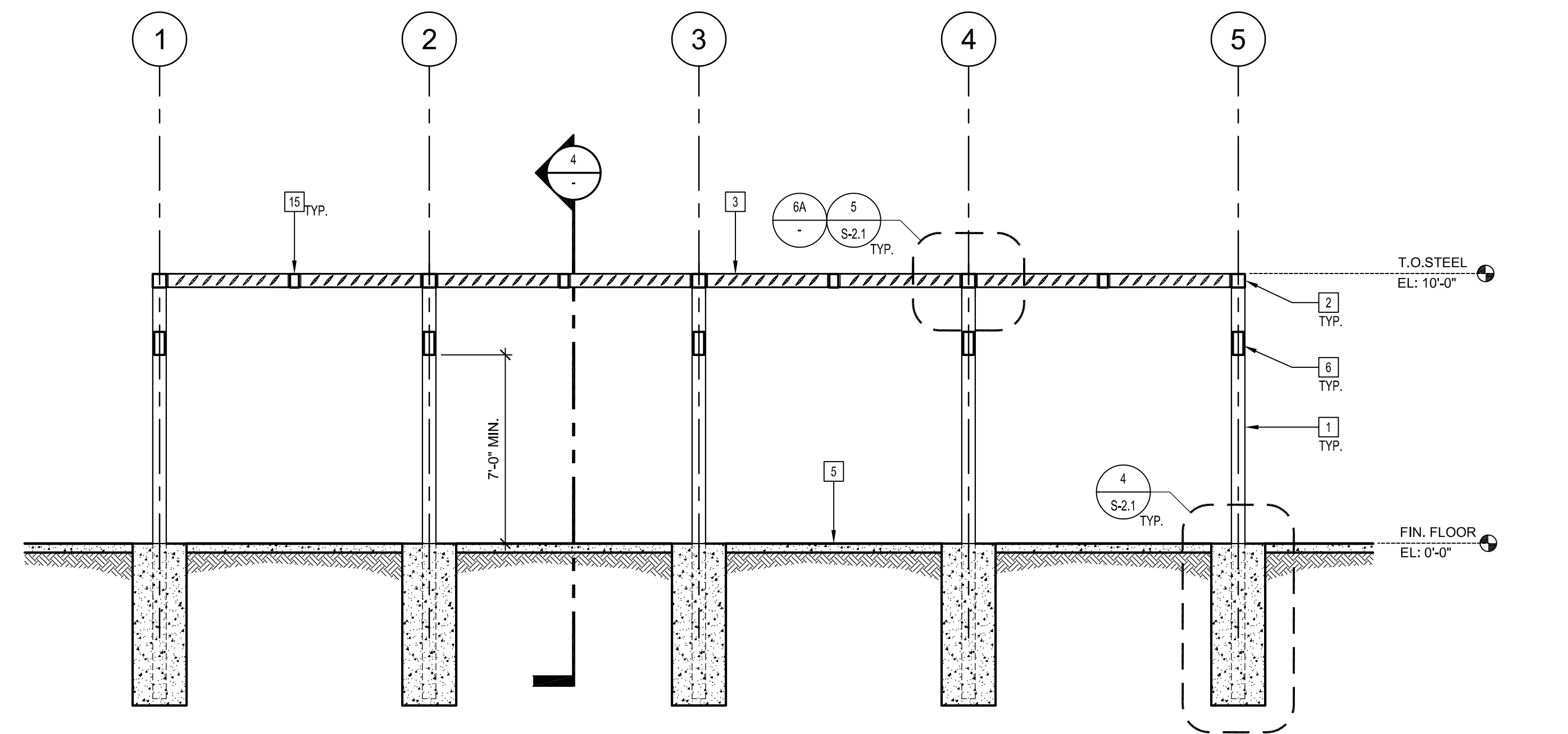
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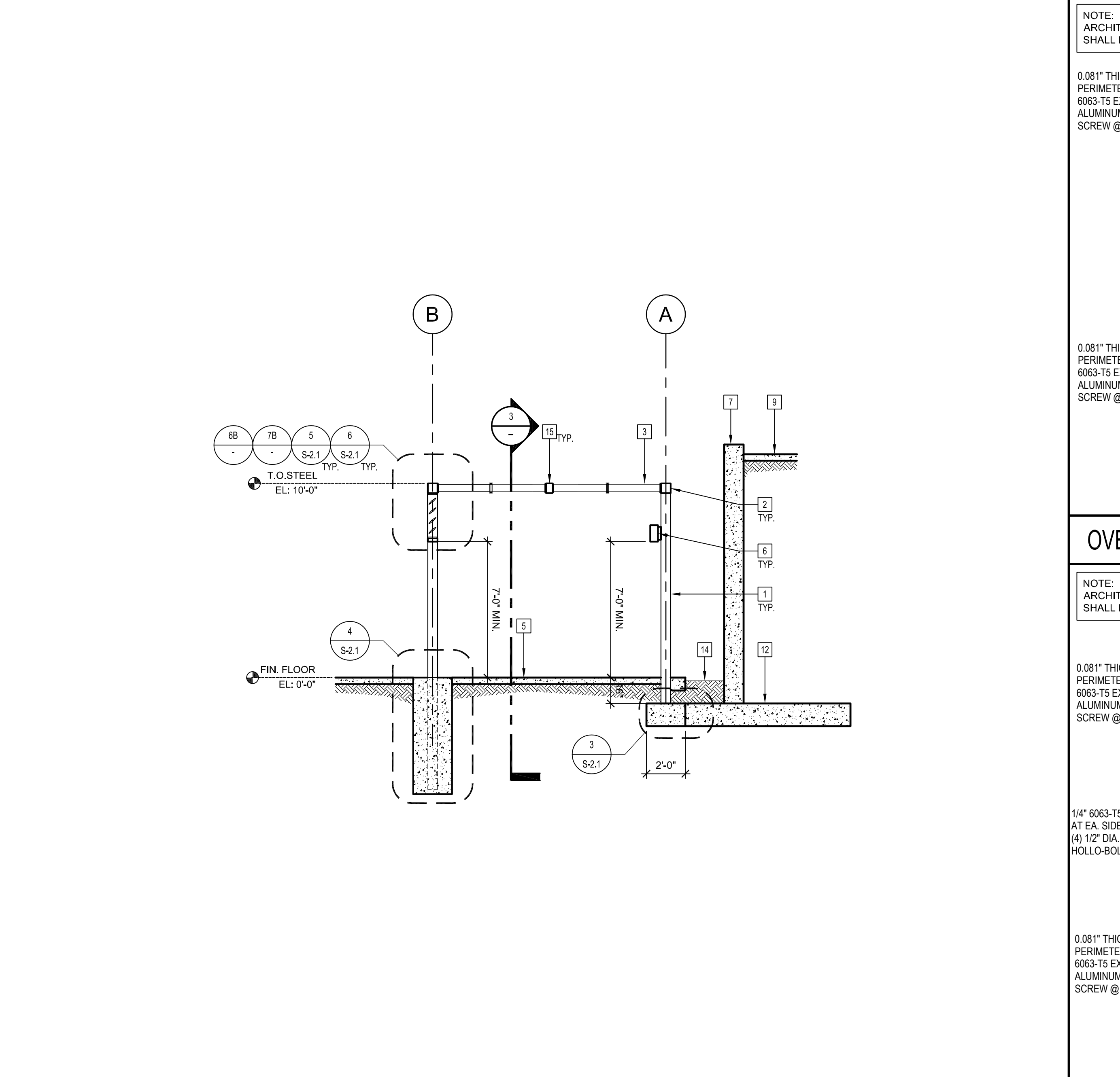
SHADE STRUCTURE FLOOR PLAN 1
SCALE: 1/4"=1'-0"



SHADE STRUCTURE ROOF PLAN 2
SCALE: 1/4"=1'-0"



SHADE STRUCTURE SECTION 3
SCALE: 1/4"=1'-0"



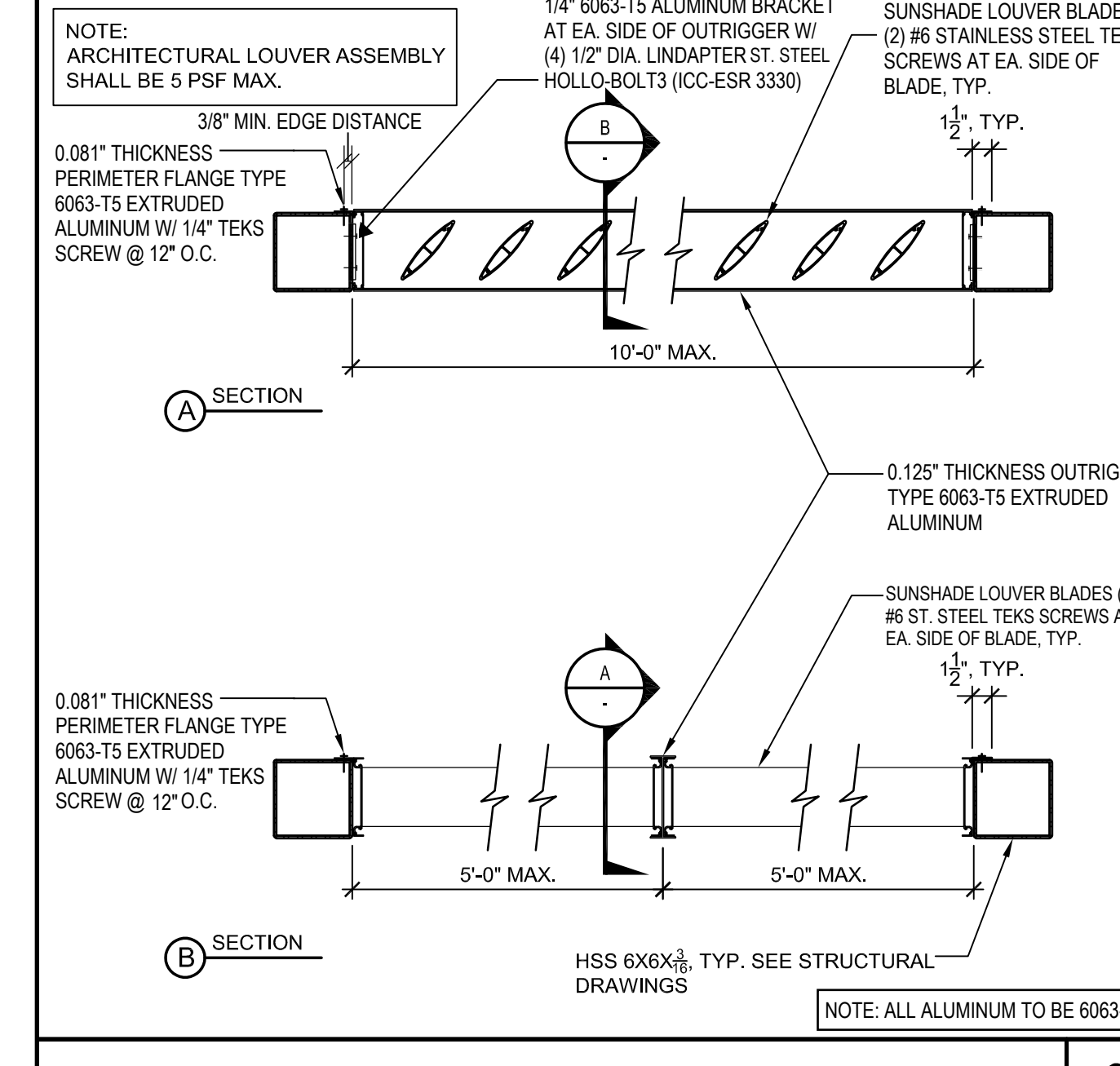
SHADE STRUCTURE SECTION 4
SCALE: 1/4"=1'-0"

KEYNOTES

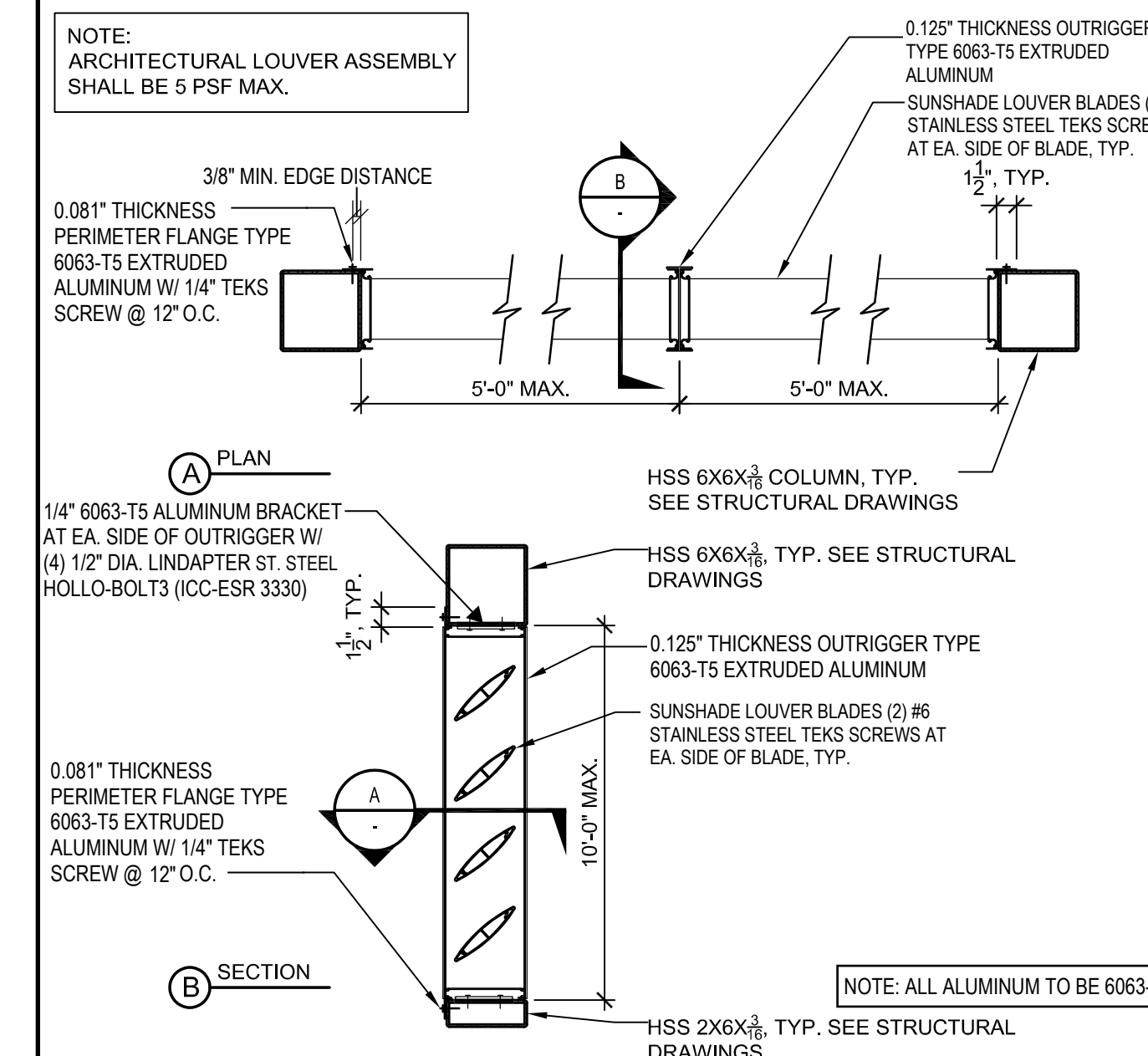
- 1 STEEL COLUMN, SEE 1/S-2.1
- 2 STEEL BEAM, SEE 2/S-2.1
- 3 ARCHITECTURAL LOUVERS, 5 PSF MAX. - SEE 6 & 7/AS-4
- 4 CONCRETE FOOTING, SEE DETAIL 4/S-2.1
- 5 CONCRETE PAVING, SEE DETAIL 1/C002
- 6 LIGHT FIXTURE, SEE 1/ES-2
- 7 (E) CONCRETE WALL TO REMAIN
- 8 (E) CHAIN LINK FENCE TO REMAIN
- 9 (E) AC PAVING TO REMAIN
- 10 LINE OF (N) ROOF ABOVE
- 11 2-STORY MODULAR CLASSROOM BUILDING - SEE MODULAR BUILDING DRAWINGS
- 12 (E) CONCRETE RETAINING WALL FOUNDATION TO REMAIN
- 13 2 X 6 X 3/8 HSS, SEE STRUCTURAL DRAWINGS
- 14 LANDSCAPE - SEE LANDSCAPE DRAWINGS
- 15 4 X 6 X 3/8 HSS - SEE 5/S-2.1 FOR WELDING REFERENCE

GENERAL NOTES

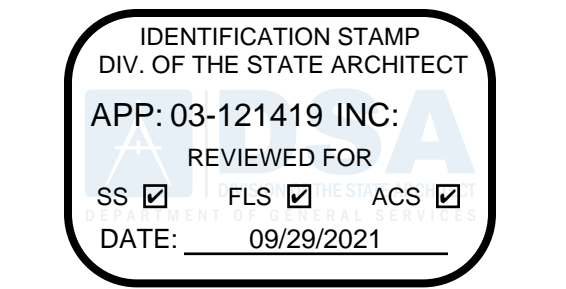
1. REFER TO SHEET T-2 FOR ADDITIONAL GENERAL NOTES, ABBREVIATIONS AND DRAFTING SYMBOLS
2. DIMENSIONS ARE TO CENTERLINE OF COLUMN (U.N.O.)
3. PAINT STEEL COLUMNS AND BEAMS TO MATCH EXISTING BUILDING
4. PAINT GUTTER AND DOWNSPOUT TO MATCH EXISTING BUILDING
5. SEE SHEET AS-3 FOR NEW SITE WORK INFORMATION.
6. CHECK FOR EXISTING UTILITIES UNDER SHADE STRUCTURE PRIOR TO POURING SHADE STRUCTURE FOOTINGS.
7. THE SCREW ATTACHMENT TO THE ALUMINUM SHALL BE PROTECTED WITH NEOPRENE OR SIM. TO AVOID DIRECT ABUTMENT.
8. THE ALUMINUM FACE OF THE SUNBLADE SHALL BE PROTECTED WITH NEOPRENE OR SIM. TO AVOID DIRECT ABUTMENT.



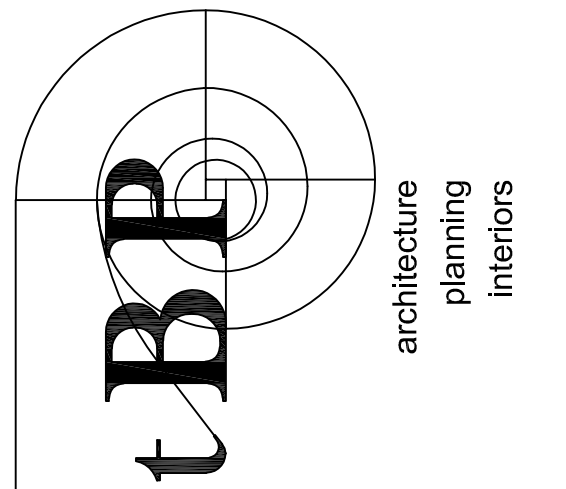
OVERHEAD ARCHITECTURAL LOUVER ATTACHMENT 6
SCALE: 1"=1'-0"



VERTICAL ARCHITECTURAL LOUVER ATTACHMENT 7
SCALE: 1"=1'-0"



APR 03 - 121419
DIVISION OF THE STATE ARCHITECT
355 S. GRAND AVE. SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fax: 213.897.3159/0726



tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300

architect

consultant

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LA CRESCENTA, CALIFORNIA 91214

owner

tBP project number : 21056.01

file name: 04S-4_Shade Structure Plans and Sections.dwg

drawn by: JS checked by:

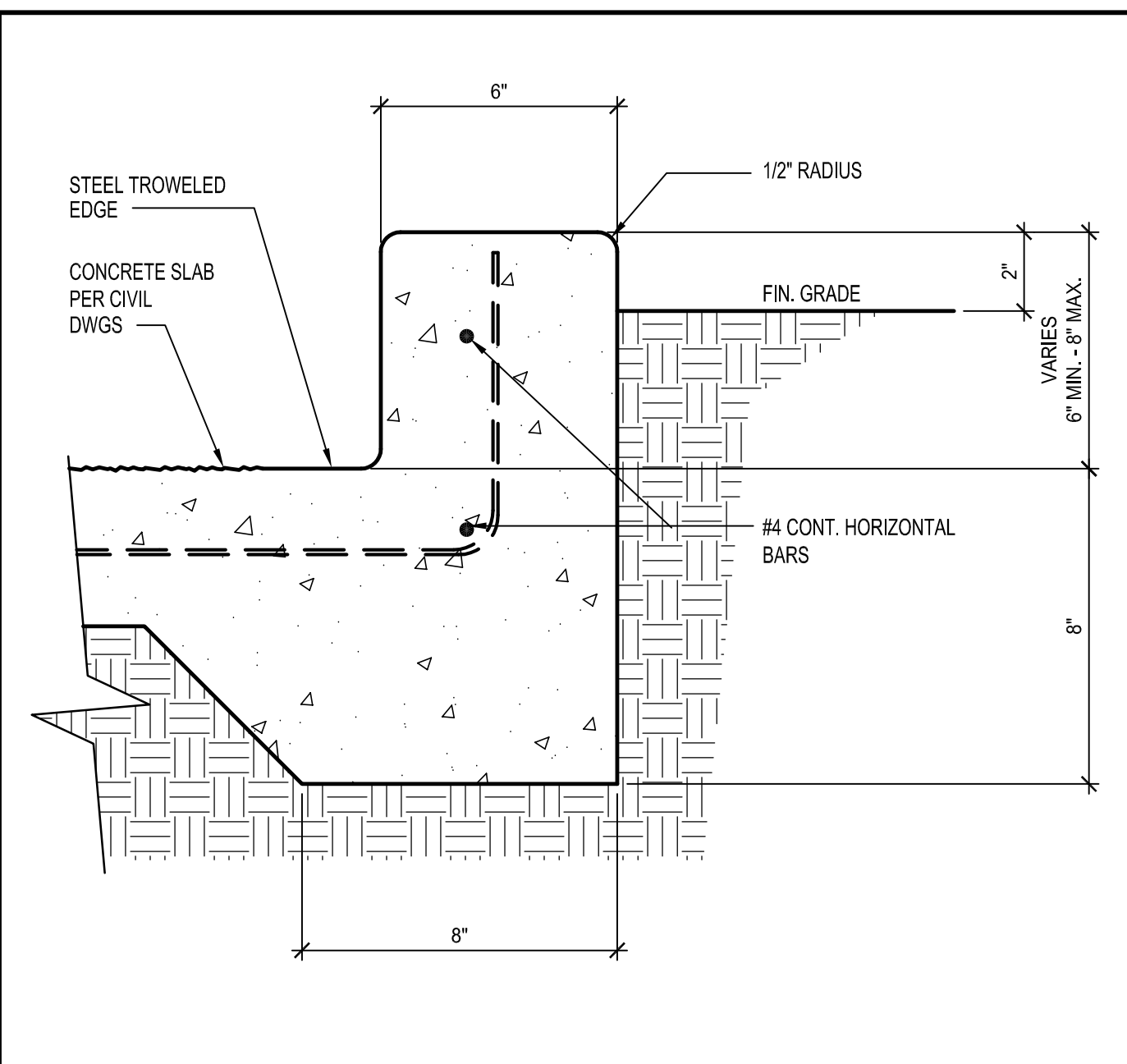
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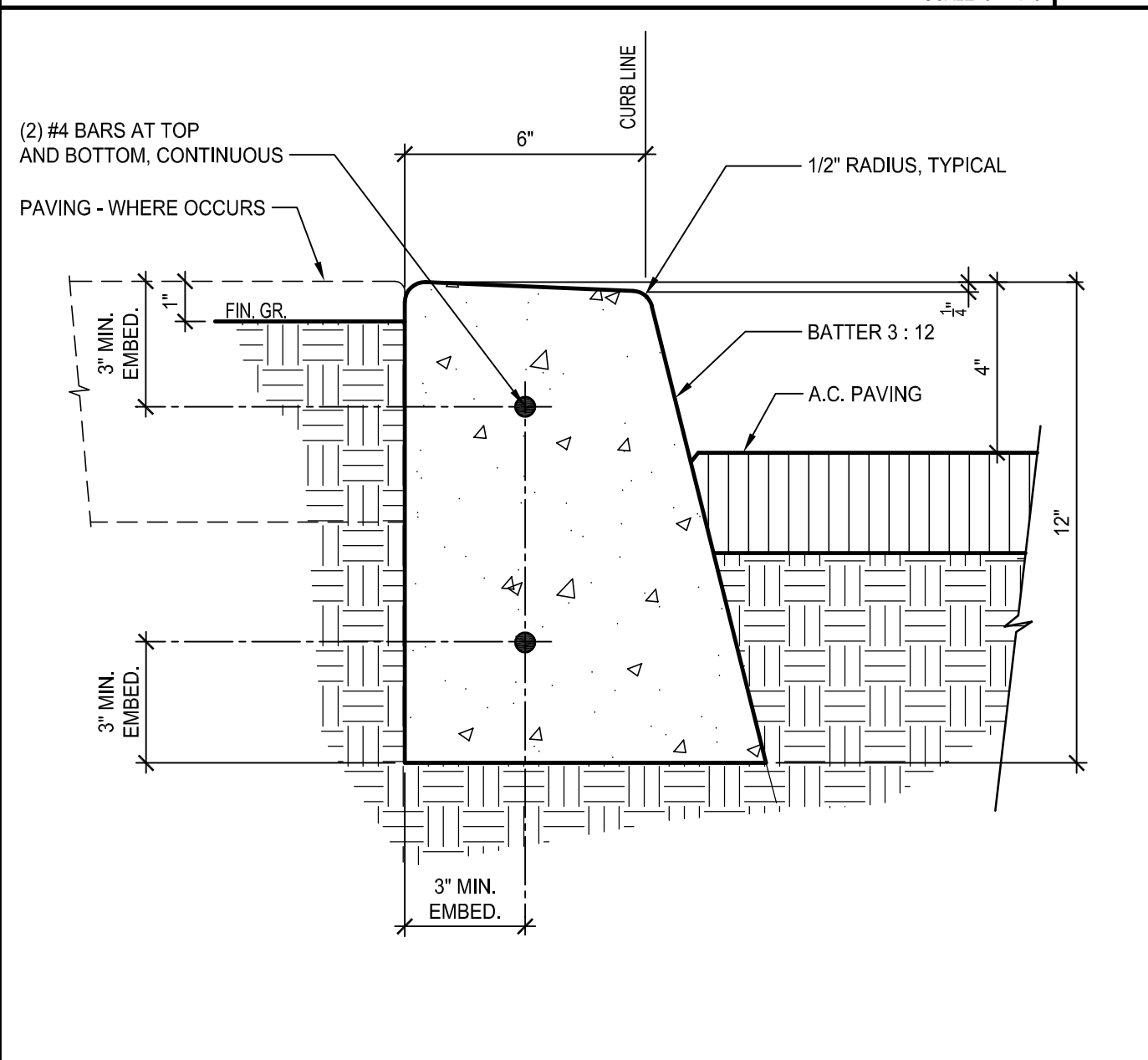
drawing title:
SHADE STRUCTURE
PLANS AND SECTIONS

drawing no.:

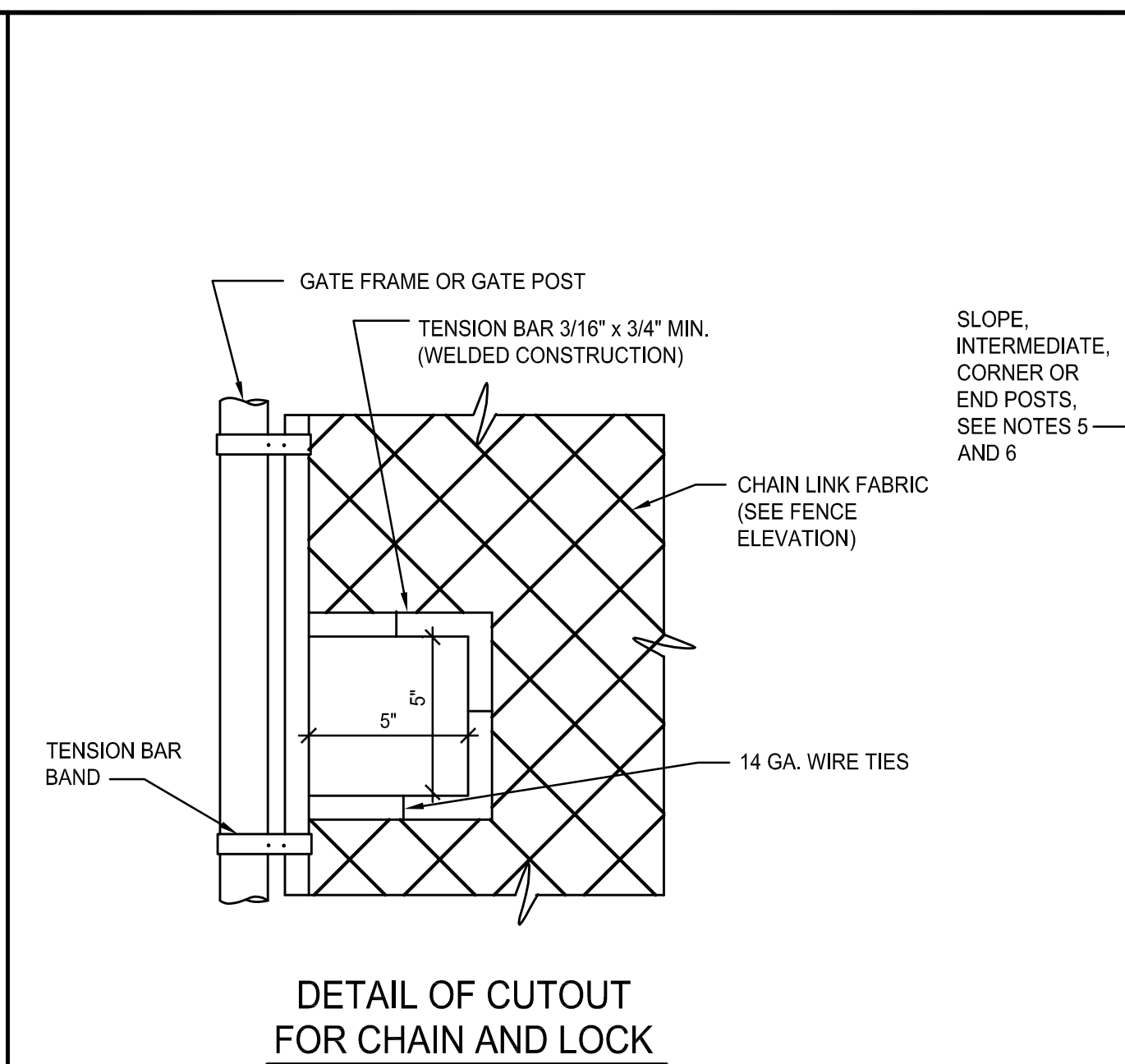
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drawing of



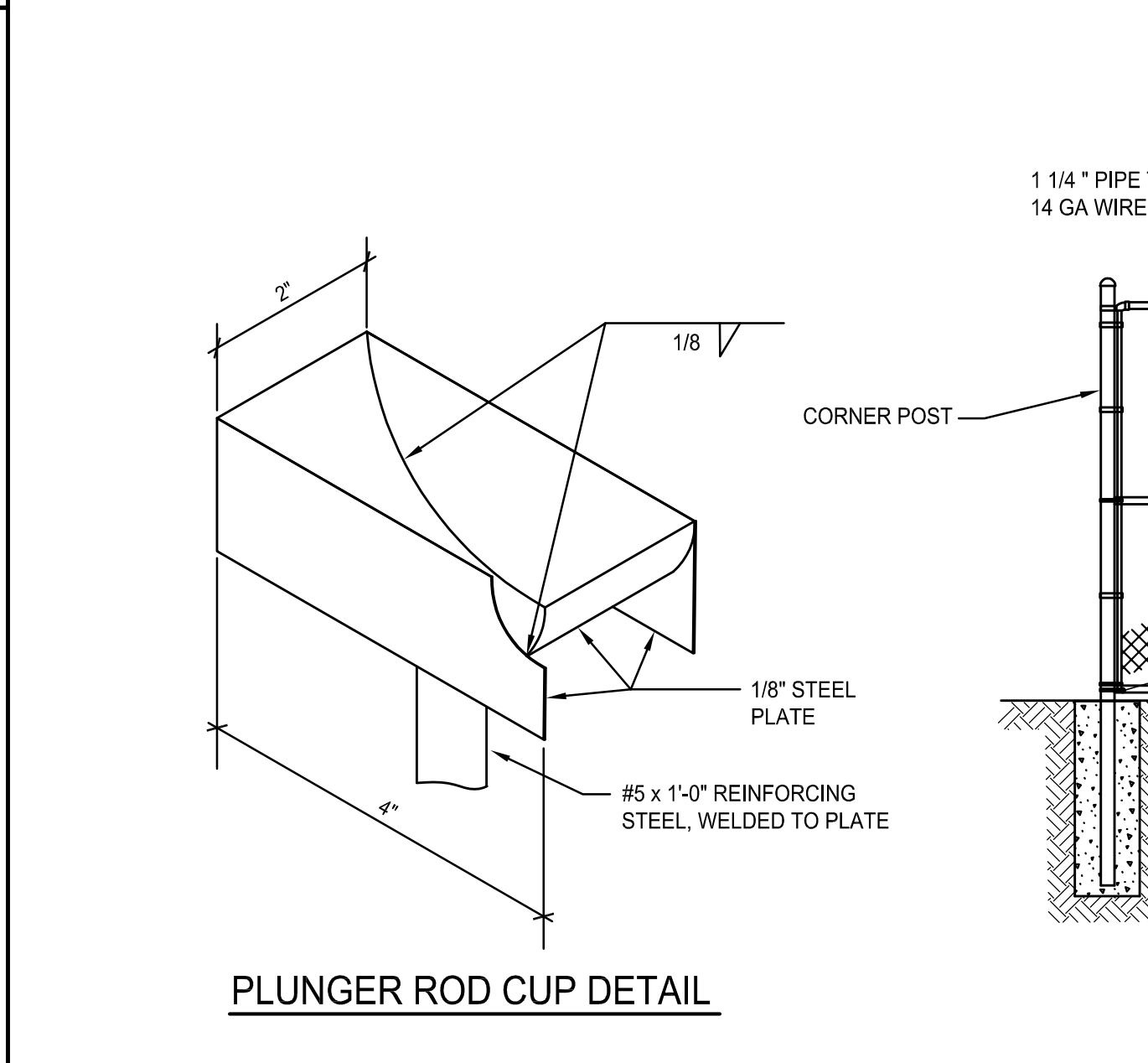
CURB AT SLAB EDGE
SCALE: 3" = 1'-0"



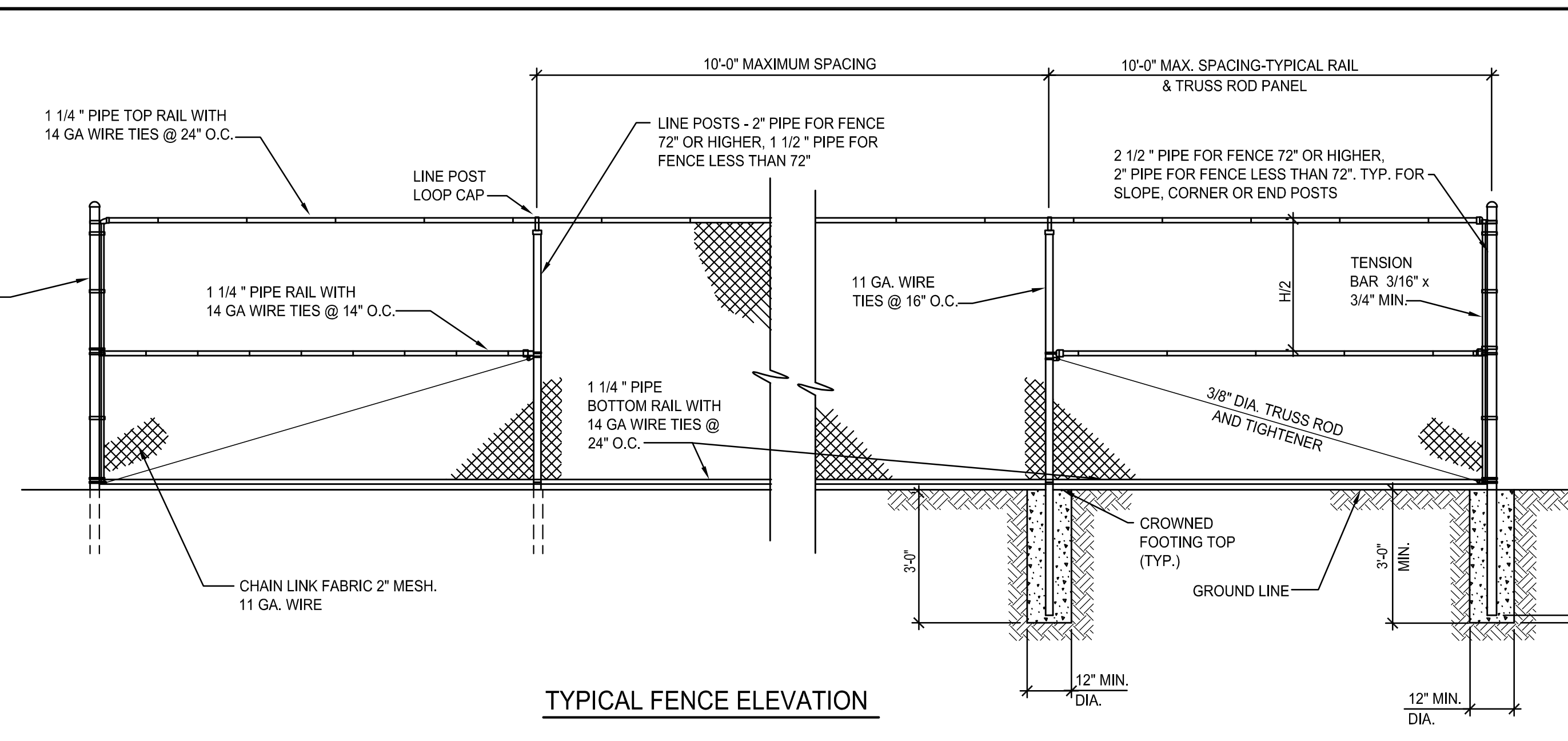
CONCRETE CURB / PLANTER
SCALE: 3" = 1'-0"



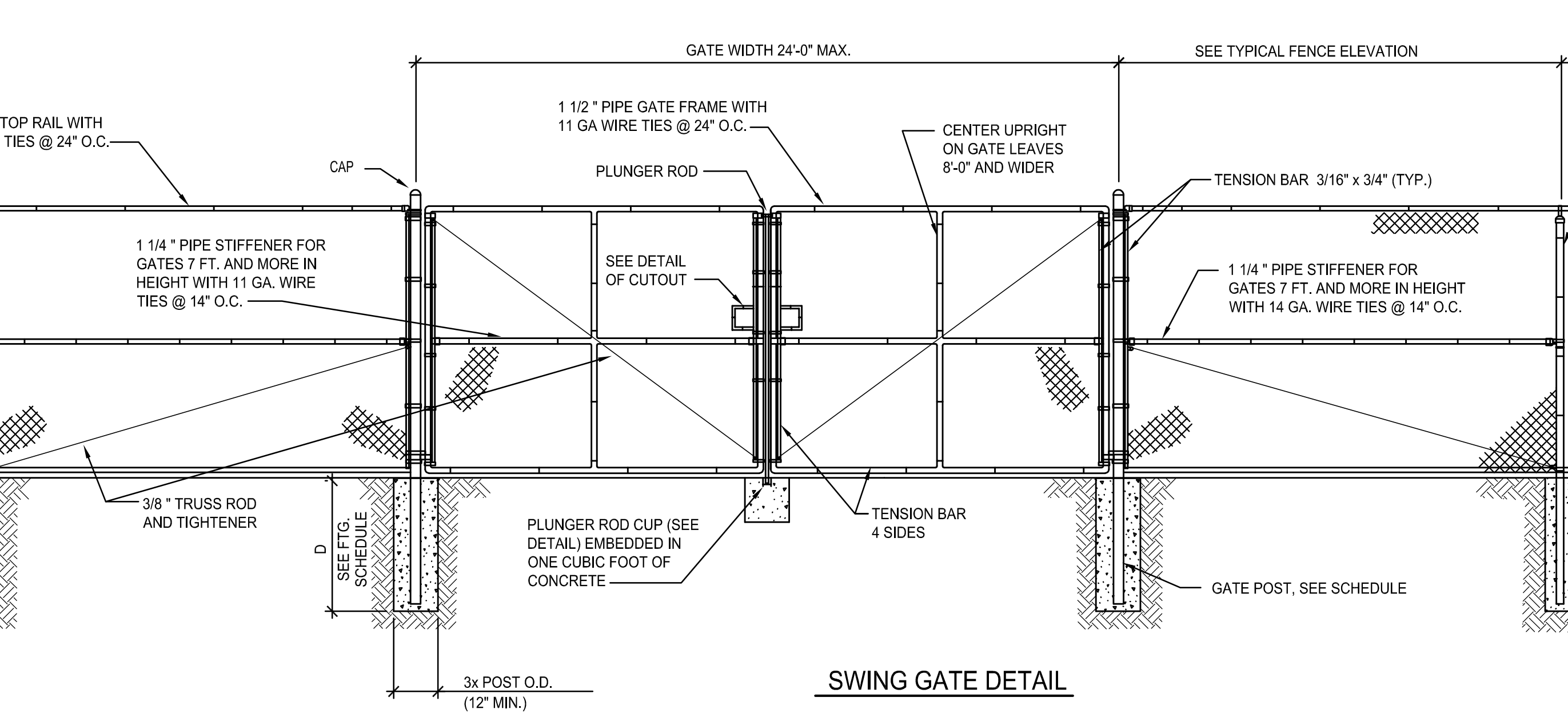
DETAIL OF CUTOUT FOR CHAIN AND LOCK



PLUNGER ROD CUP DETAIL



TYPICAL FENCE ELEVATION

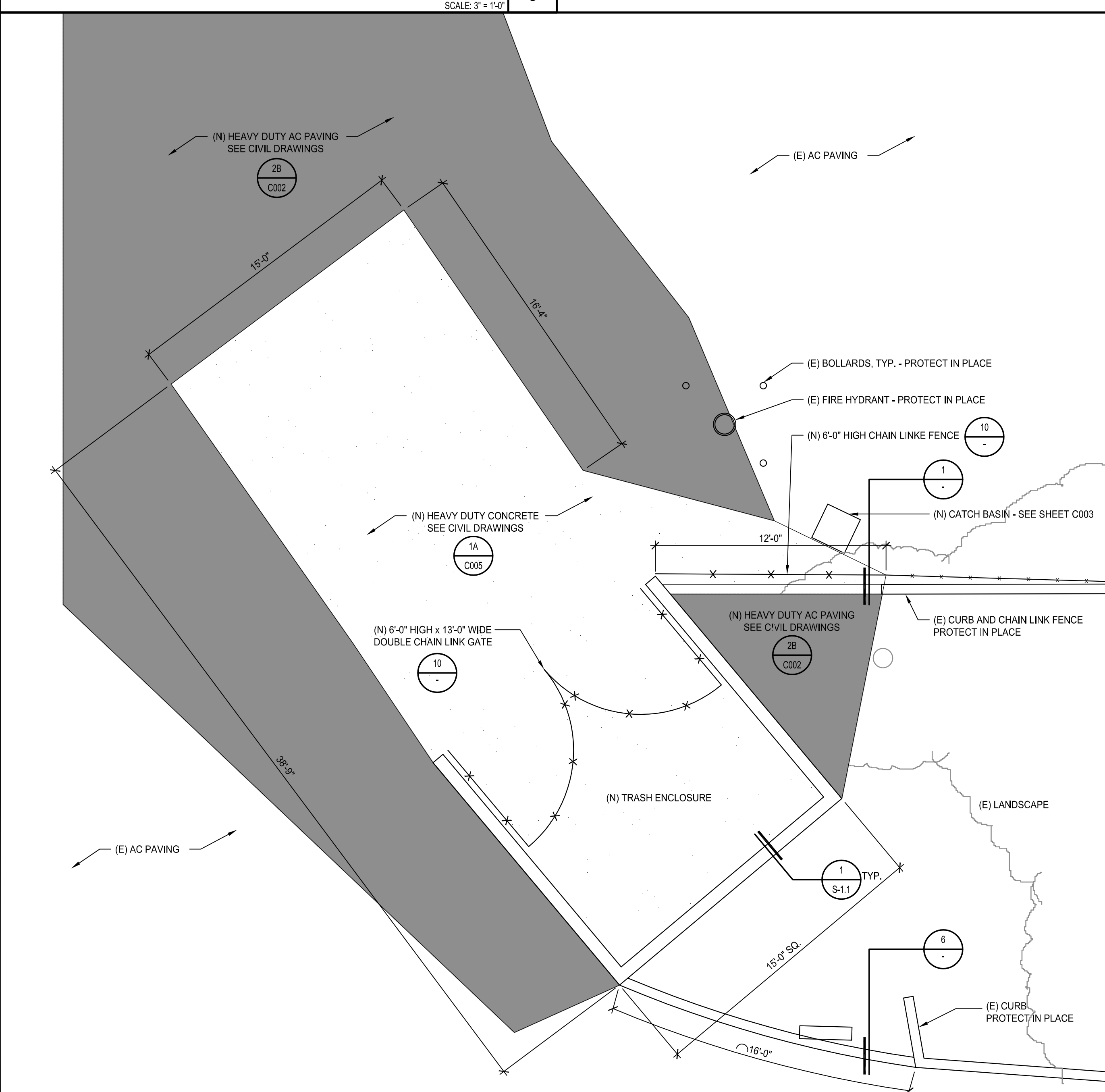


SWING GATE DETAIL

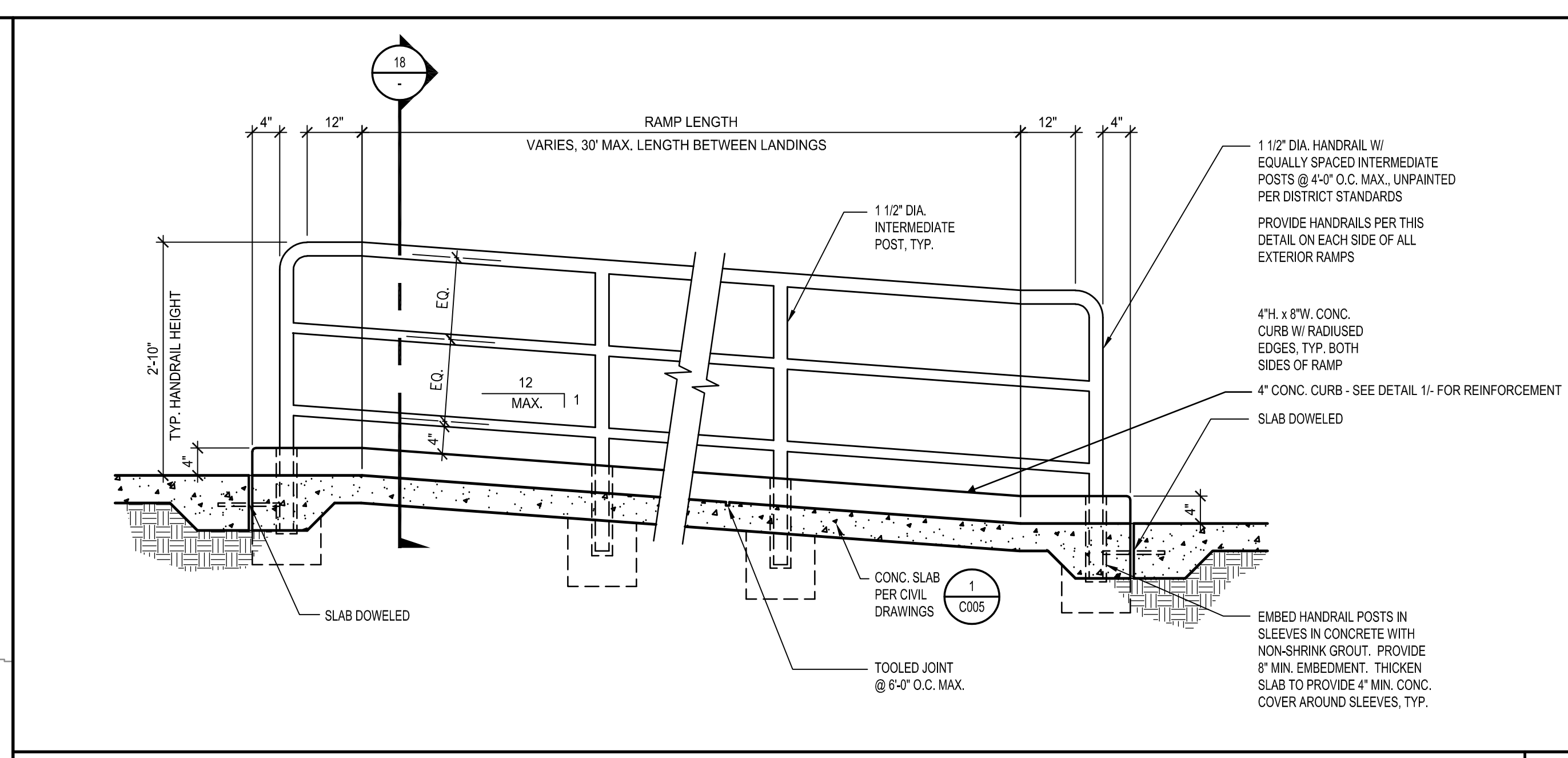
GATE POST SCHEDULE				
FENCE HEIGHT (H)	GATE WIDTH	NOMINAL SIZE OF PIPE INCHES	ACTUAL O.D. INCHES	WEIGHT PER FOOT POUNDS
6 FEET TO 8 FEET INCLUSIVE	SINGLE GATES 6 FEET OR LESS AND DOUBLE GATES 12 FEET OR LESS	2 1/2	2.875	5.79
6 FEET TO 8 FEET INCLUSIVE	SINGLE GATES 8 TO 12 FEET AND DOUBLE GATES 12 TO 24 FEET	3 1/2	4.00	9.11

GATE POST FOOTING SCHEDULE		
GATE WIDTH	FOOTING MIN. DEPTH, D	
SINGLE GATE	DOUBLE GATE	H 6' TO 8'
TO 12'	TO 24'	4'-6"

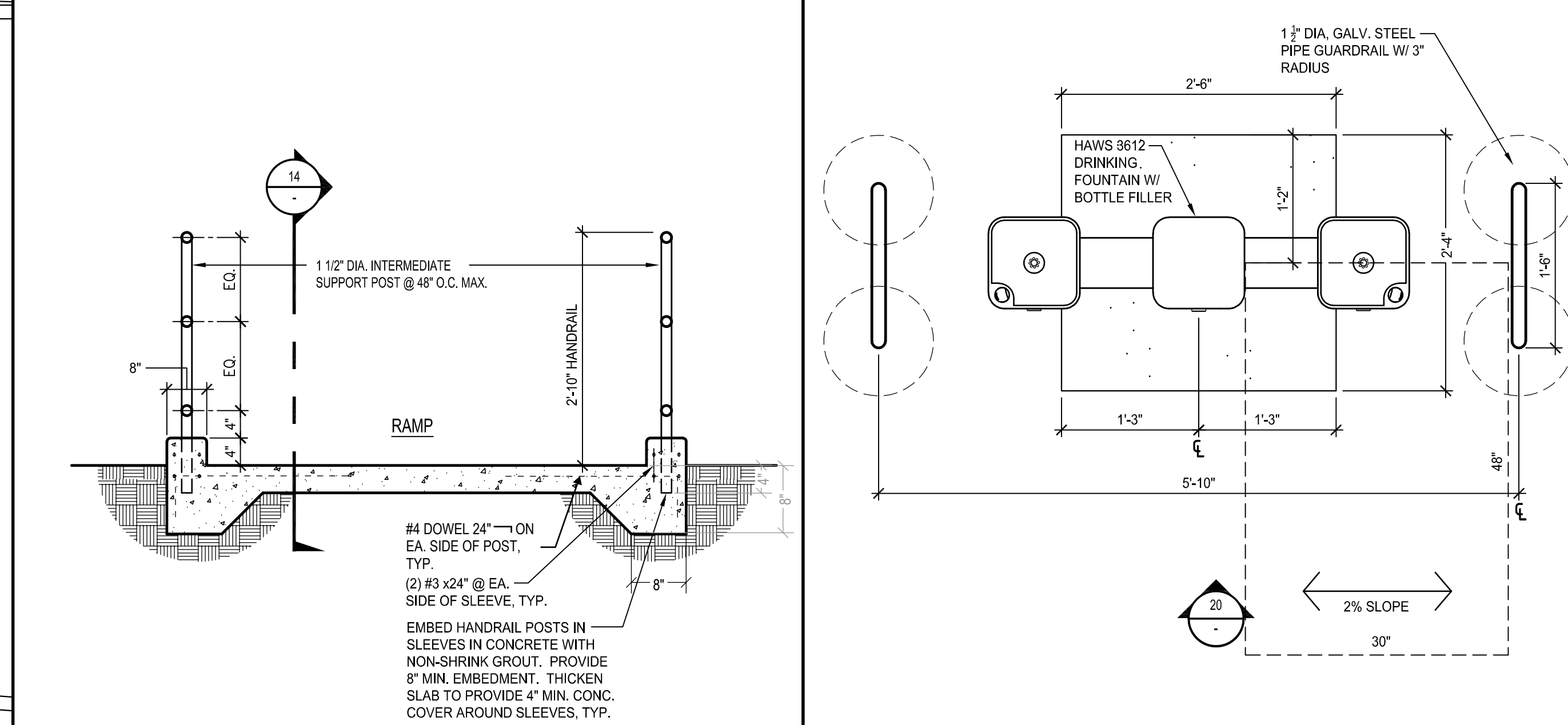
- NOTES**
- FABRIC SHALL HAVE KNUCKLED FINISH ON BOTH TOP AND BOTTOM EDGES.
 - ALL GATE HINGES SHALL BE HEAVY DUTY MALLEABLE IRON OR STEEL, INDUSTRIAL SERVICE TYPE AND NOT LESS THAN 3-INCHES IN WIDTH.
 - ALL TIES SHALL BE GALVANIZED STEEL.
 - TOP CAP SHALL BE SECURED TO POST USING 1/4-INCH RIVET.
 - CORNER OR SLOPE POSTS SHALL BE INSTALLED WHEN THE CHANGE IN DEFLECTION ANGLE IS 30 DEGREES OR MORE AT CORNER OR SLOPE POINTS. CONSTRUCT SLOPE POSTS AS THOUGH THEY WERE CORNER POSTS.
 - INTERMEDIATE POSTS SHALL BE PROVIDED WHEN THE DISTANCE BETWEEN CORNER OF SLOPE POSTS EXCEEDS 300 FEET. THEY SHALL BE CONSTRUCTED AS THOUGH THEY WERE CORNER OR SLOPE POSTS.
 - THREADS OF ALL 3/8-INCH ROUND TRUSS RODS SHALL BE PEENED AFTER INSTALLATION.
 - WHEN TOP RAIL IS OMITTED BY PLAN, PROVIDE 7-GAGE TENSION WIRE WITH 11-GAGE FABRIC TIES OR HOG RINGS SPACED AT 24-INCH INTERVALS.
 - GATES SHALL BE PROVIDED WITH A COMBINATION SPRING LATCH AND PLUNGER ROD, APPROVED BY THE ENGINEER.
 - TENSION WIRE SHALL BE SECURELY FASTENED TO THE TERMINAL POSTS AND BE TAUT AND FREE OF SAG.
 - THE FABRIC SHALL BE PLACED ON THE OUTWARD FACING SIDE OF THE POSTS, STRETCHED TAUT, AND FASTENED SECURELY.



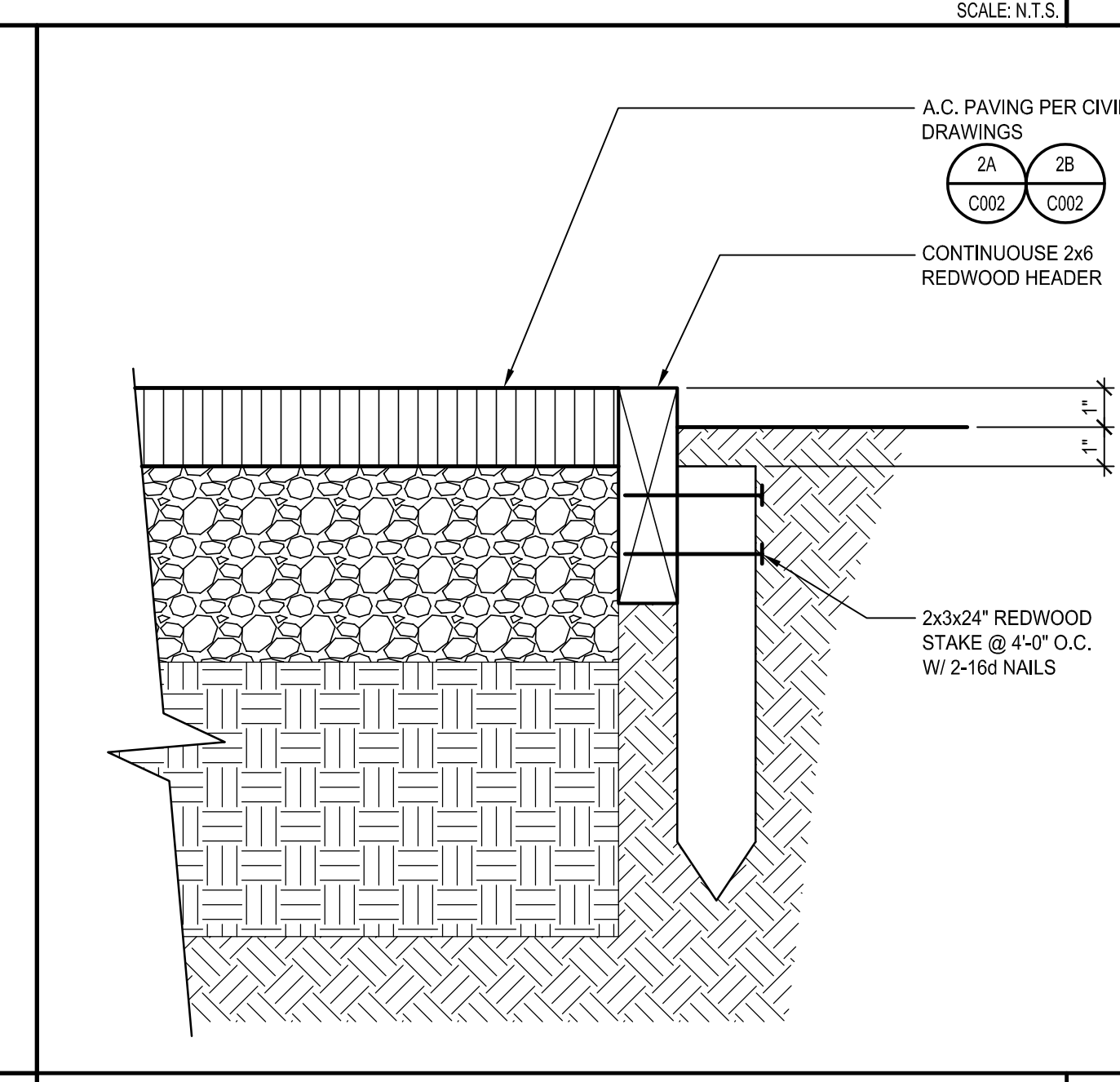
ENLARGED TRASH ENCLOSURE PLAN
SCALE: 1/4" = 1'-0"



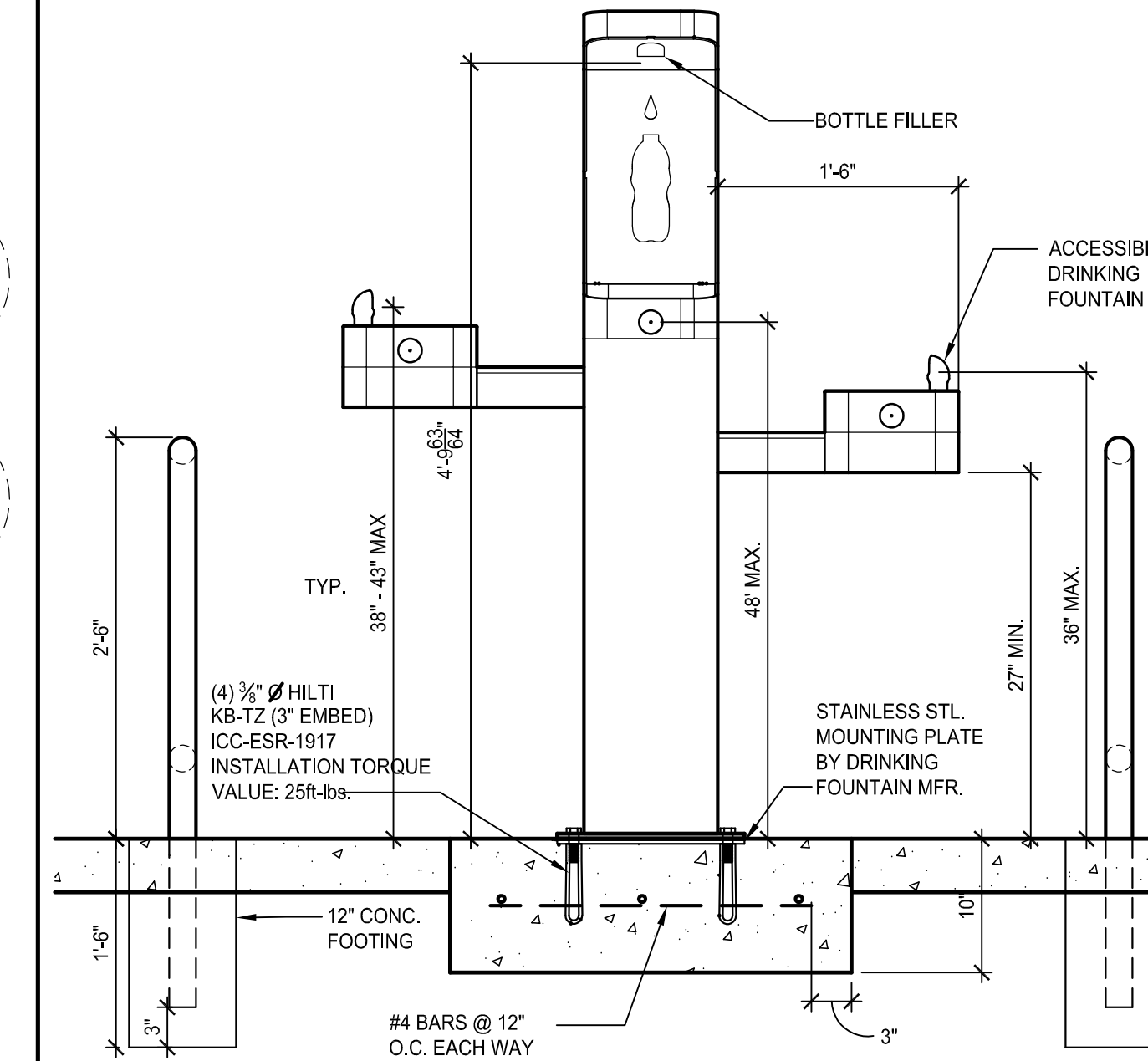
TYPICAL RAMP ON GRADE-LONGITUDINAL SECTION
SCALE: 3/4" = 1'-0"



TYPICAL RAMP ON GRADE-CROSS SECTION
SCALE: 3/4" = 1'-0"



EDGE OF A.C. PAVING
SCALE: 3" = 1'-0"



PEDESTAL DRINKING FOUNTAIN ELEVATION
SCALE: 1" = 1'-0"

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MONTE VISTA ELEMENTARY SCHOOL
2-STORY MODULAR CLASSROOM BUILDING

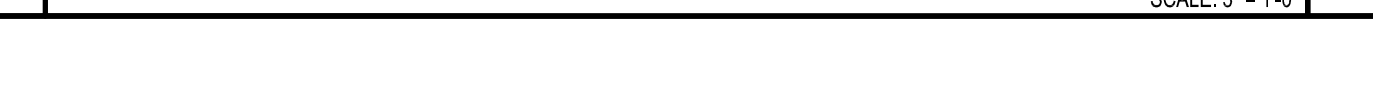
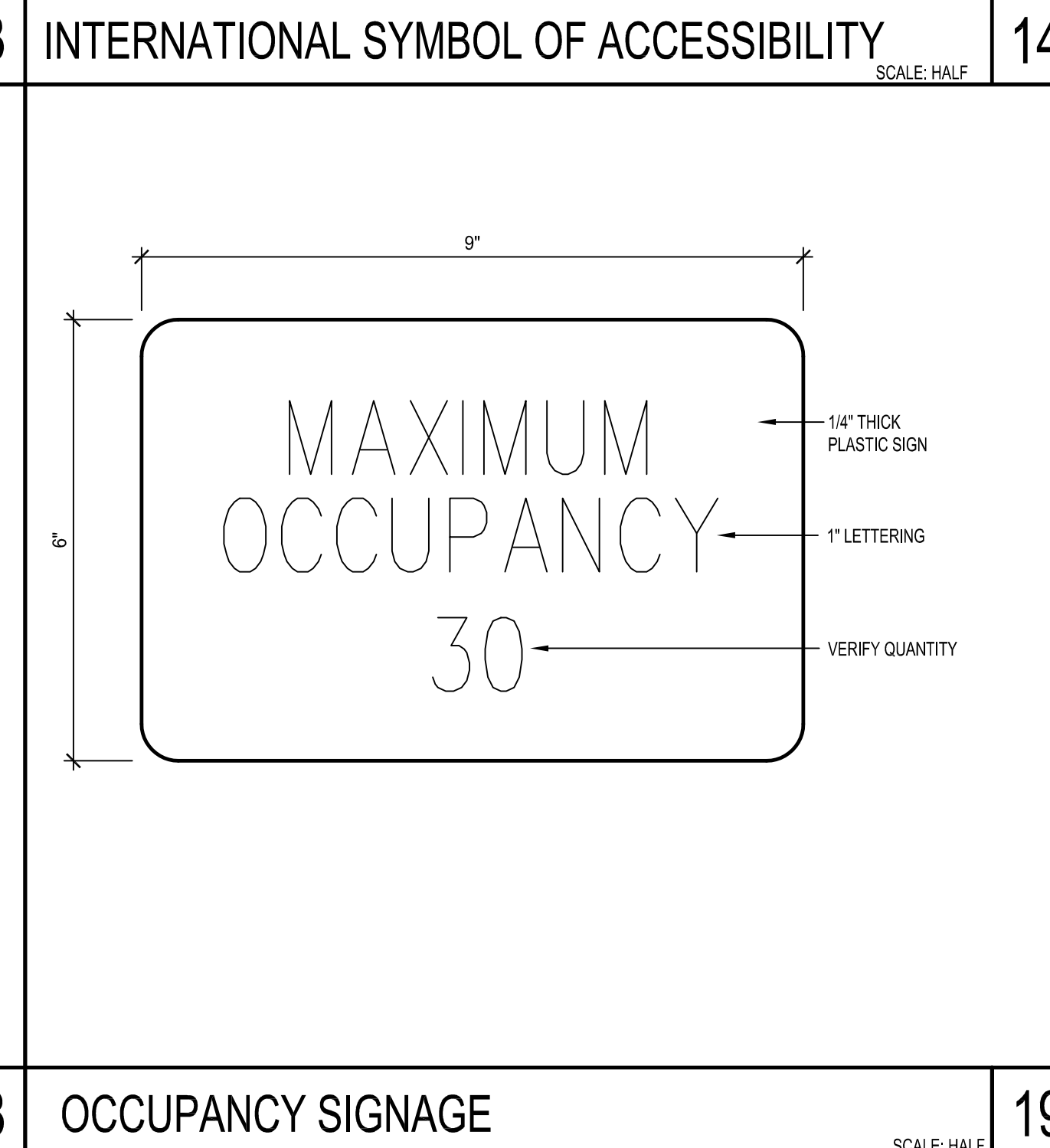
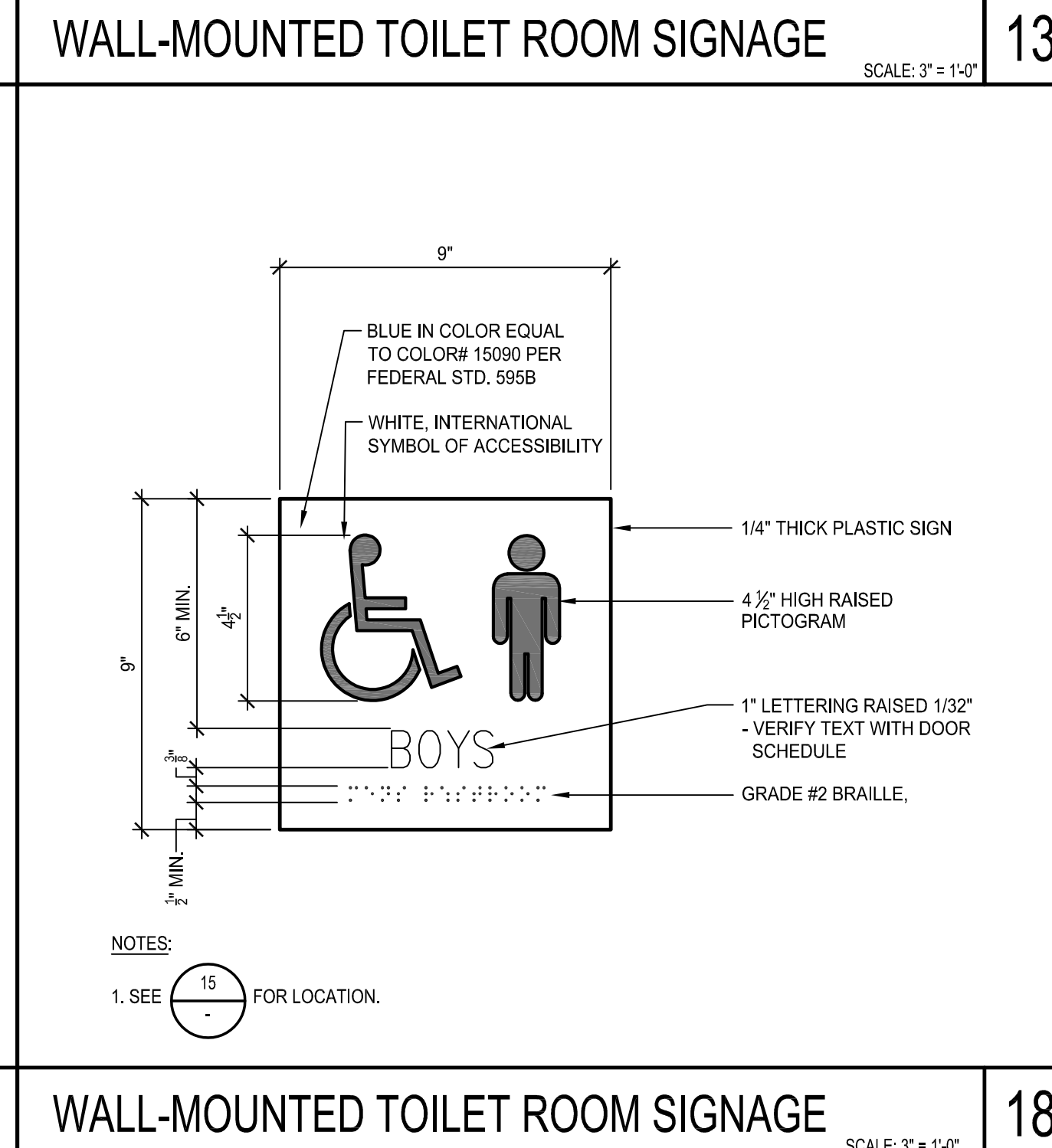
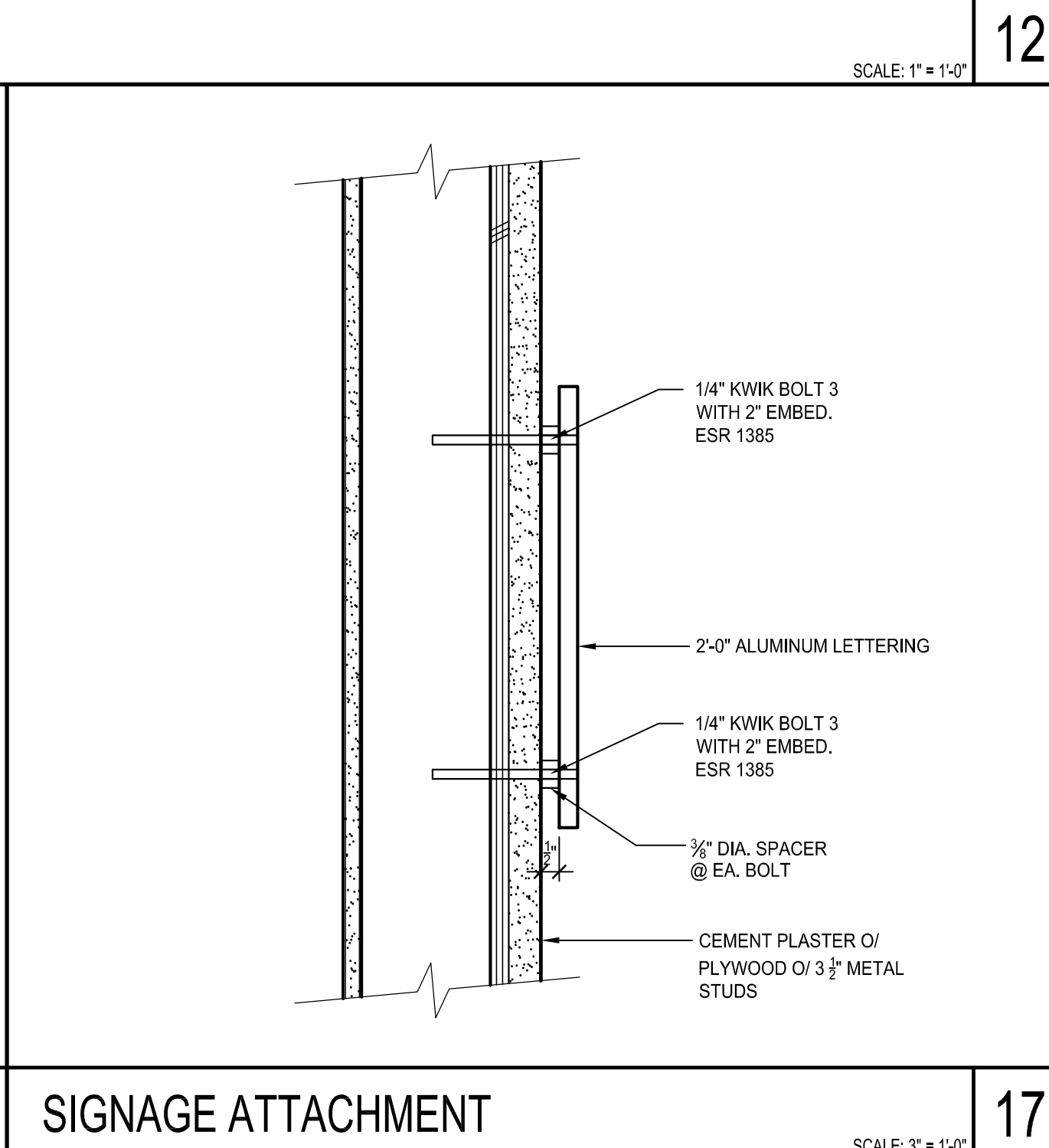
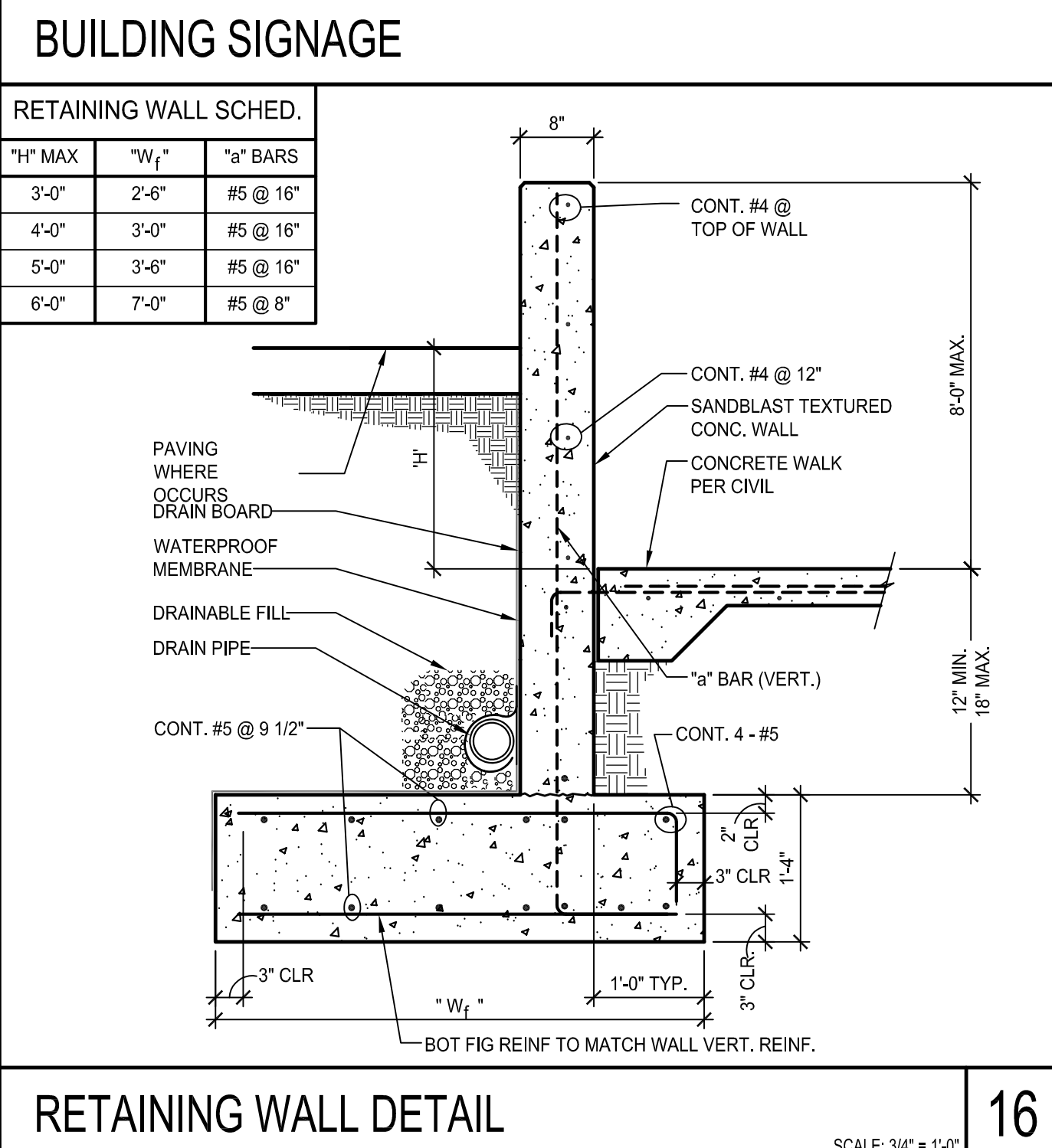
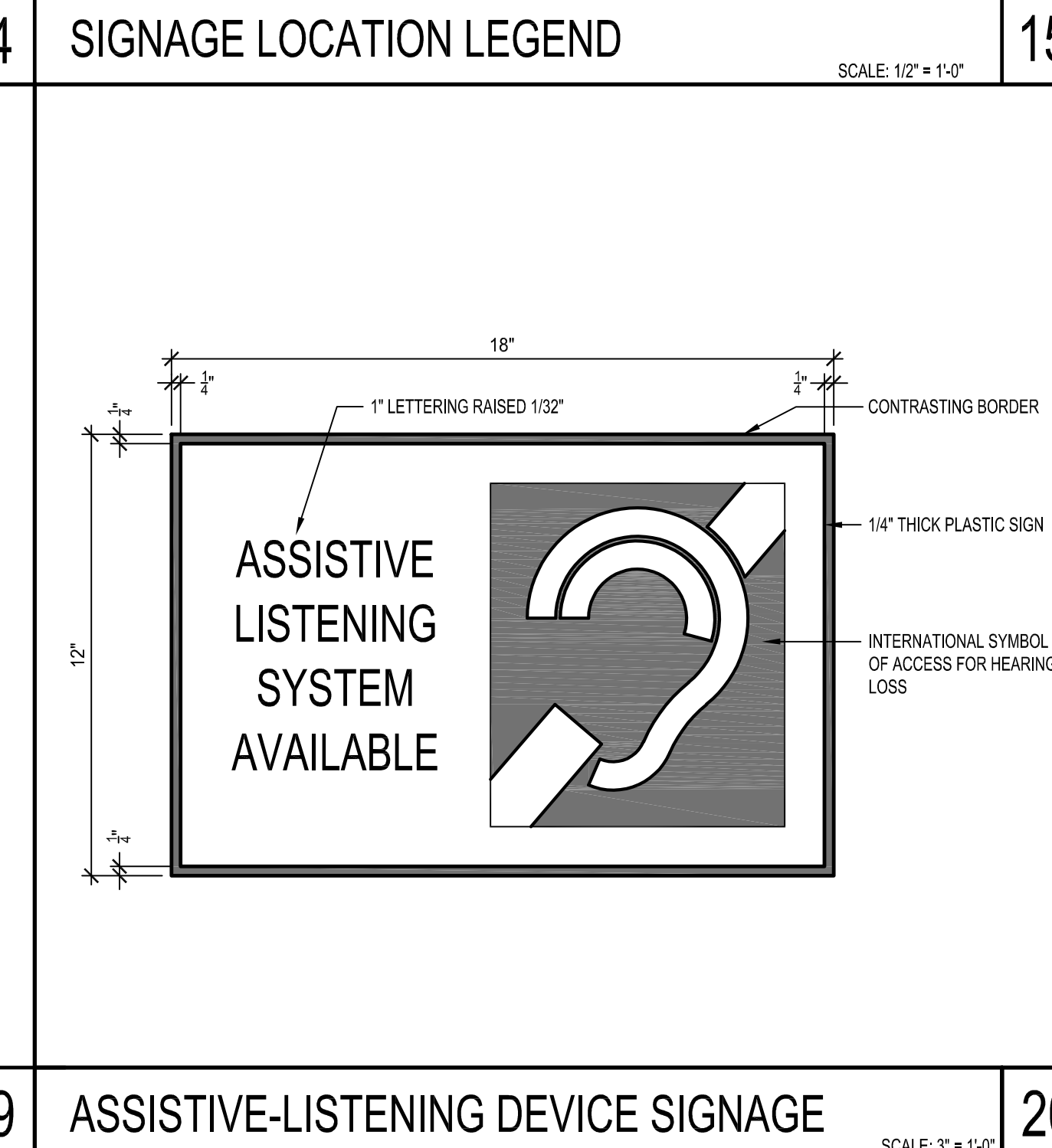
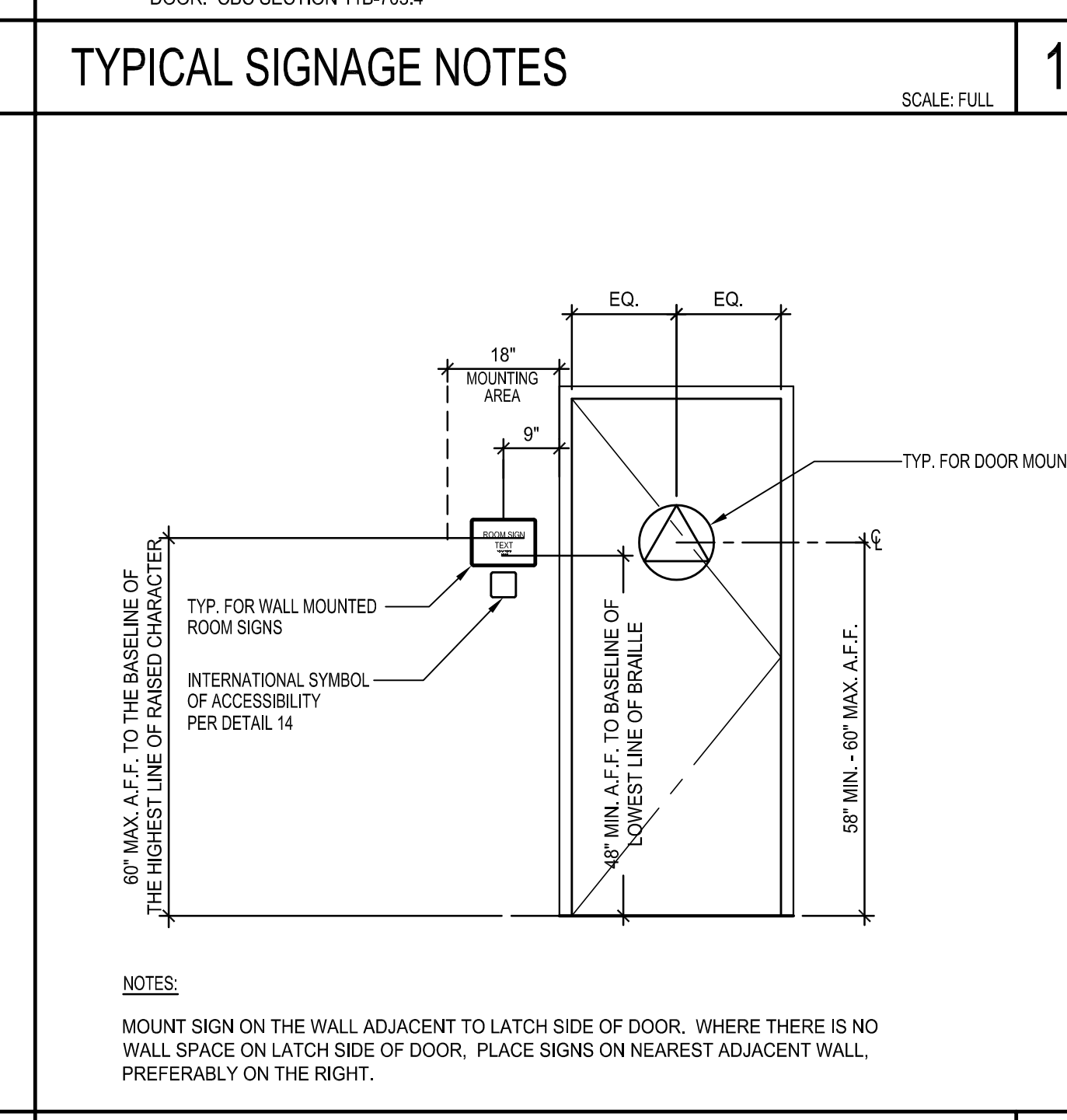
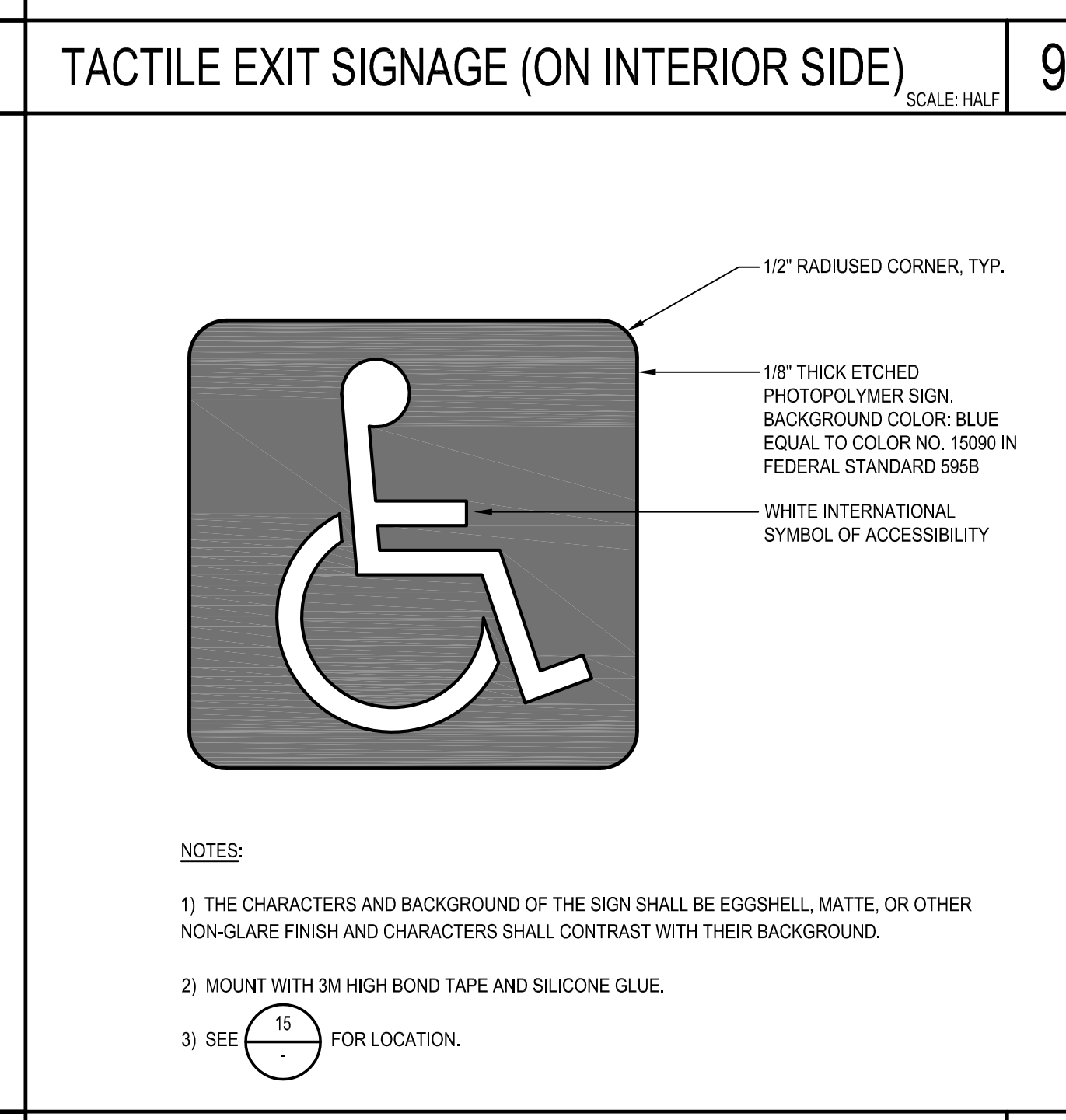
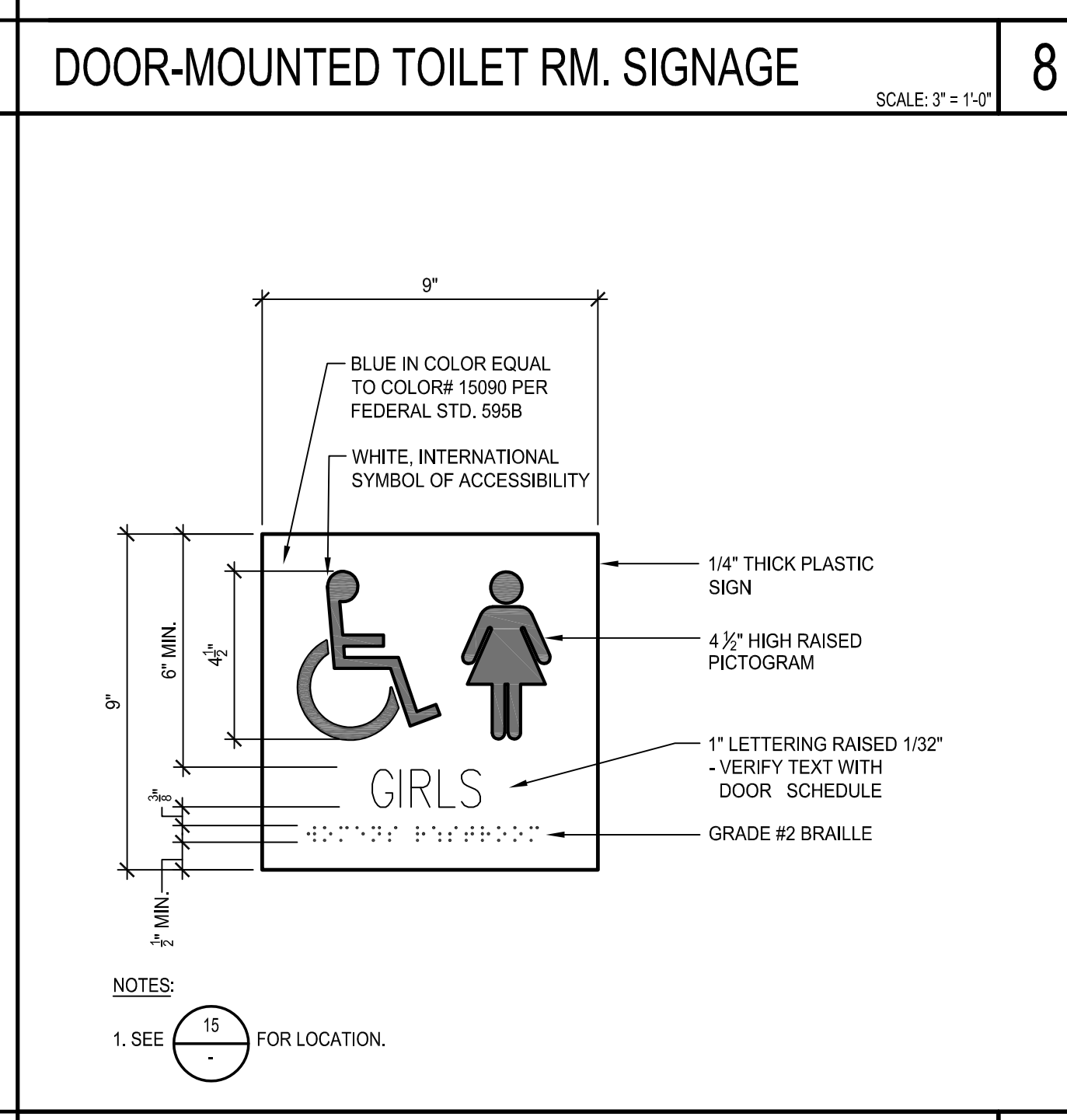
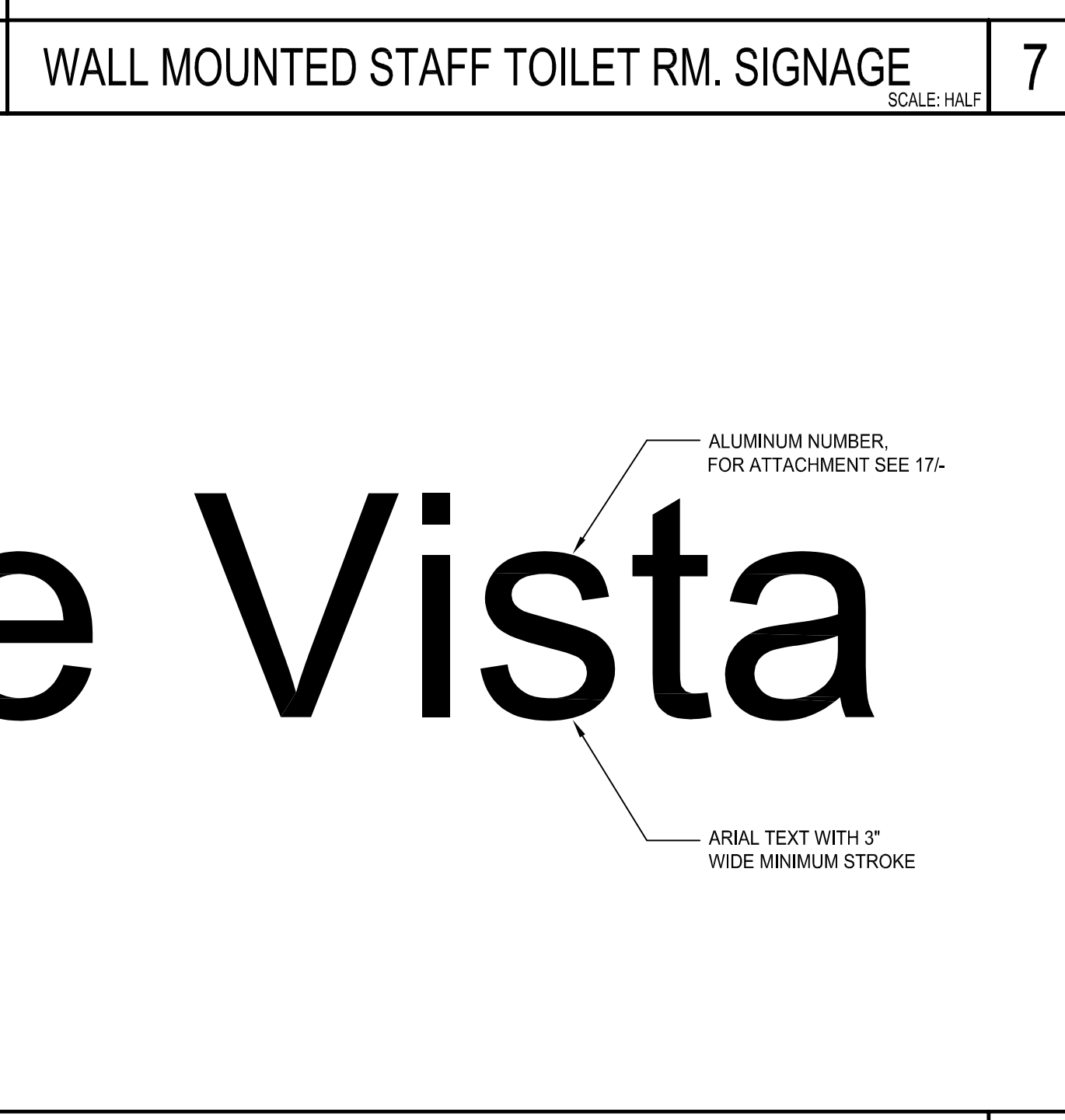
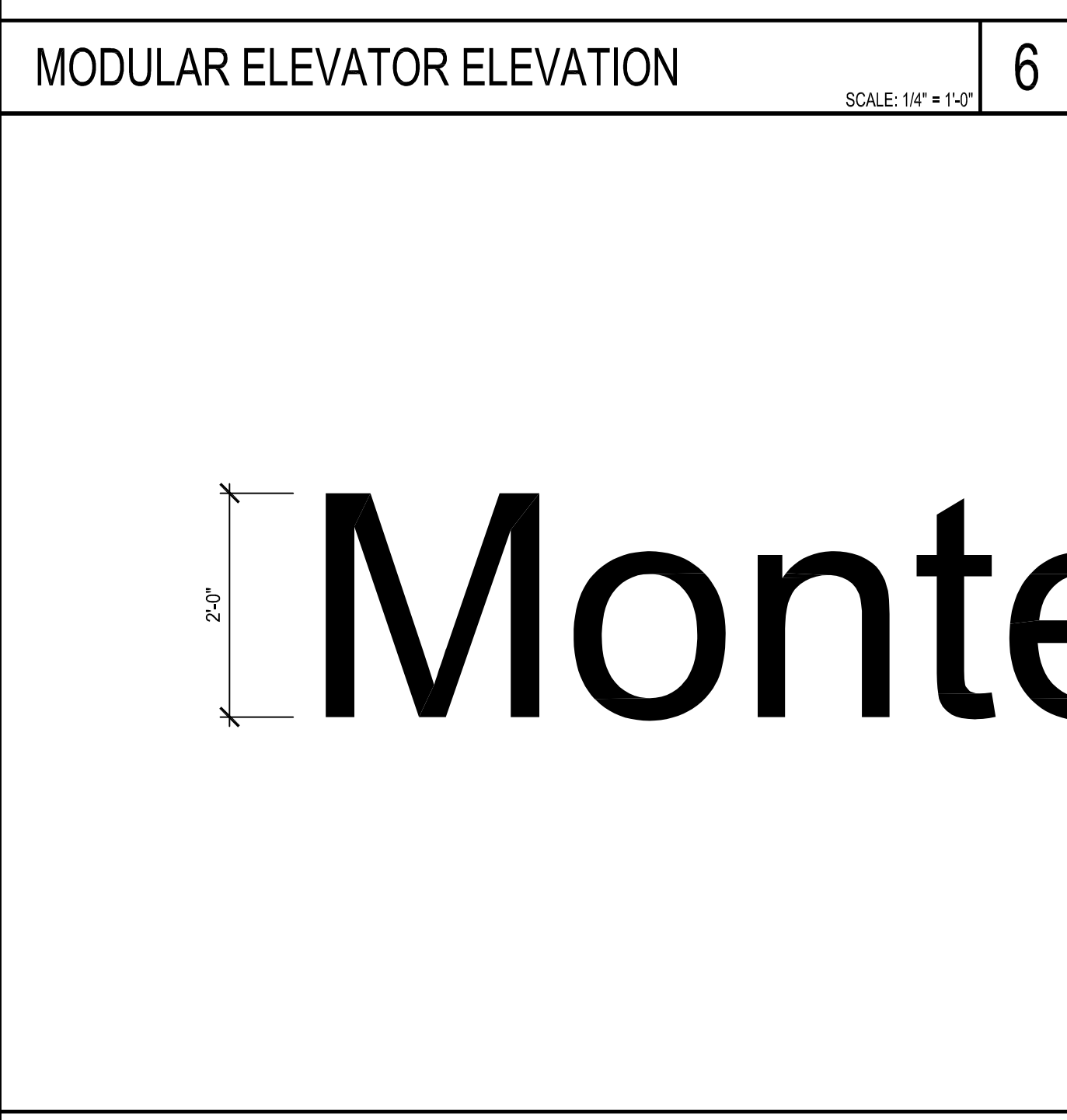
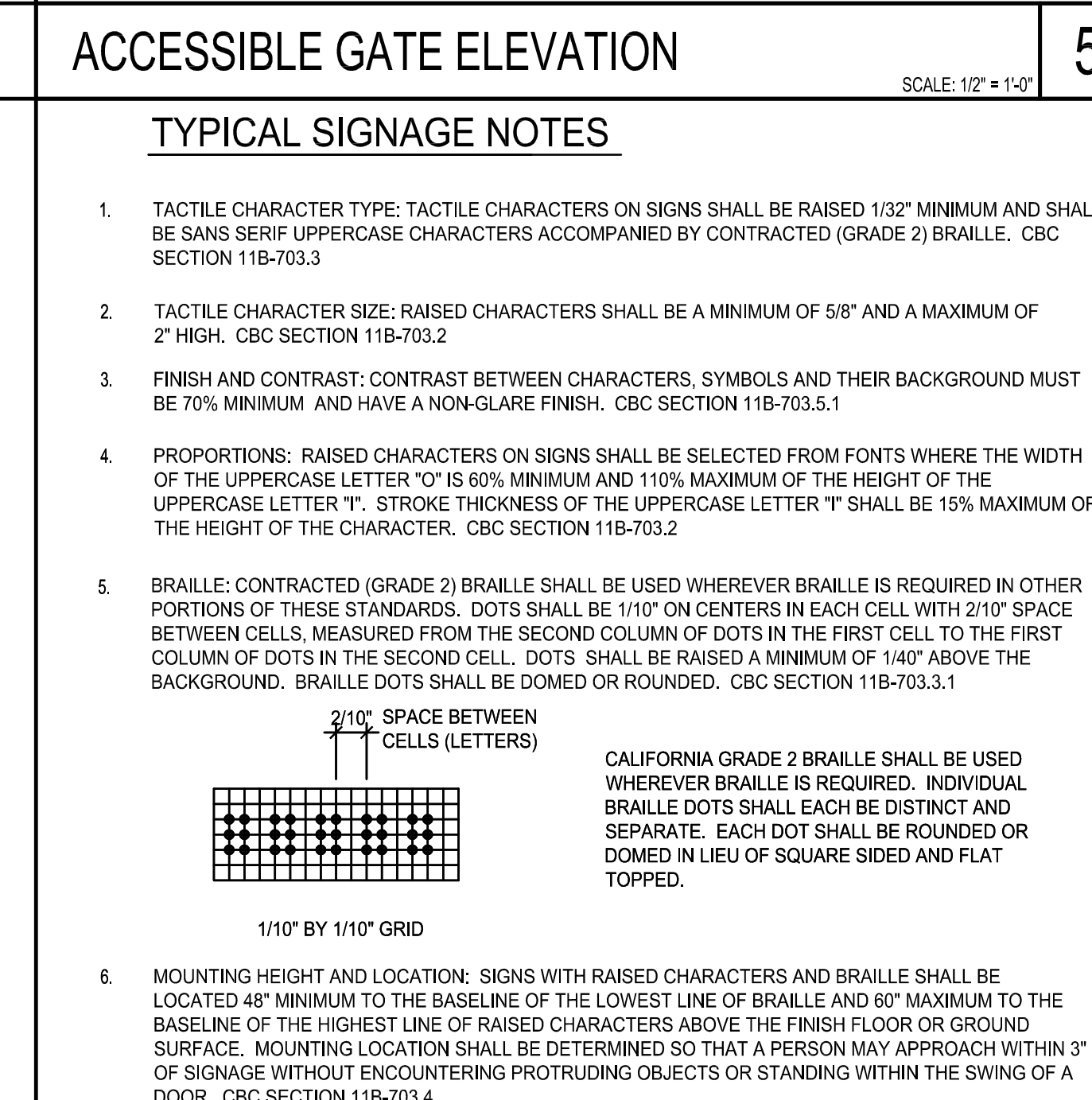
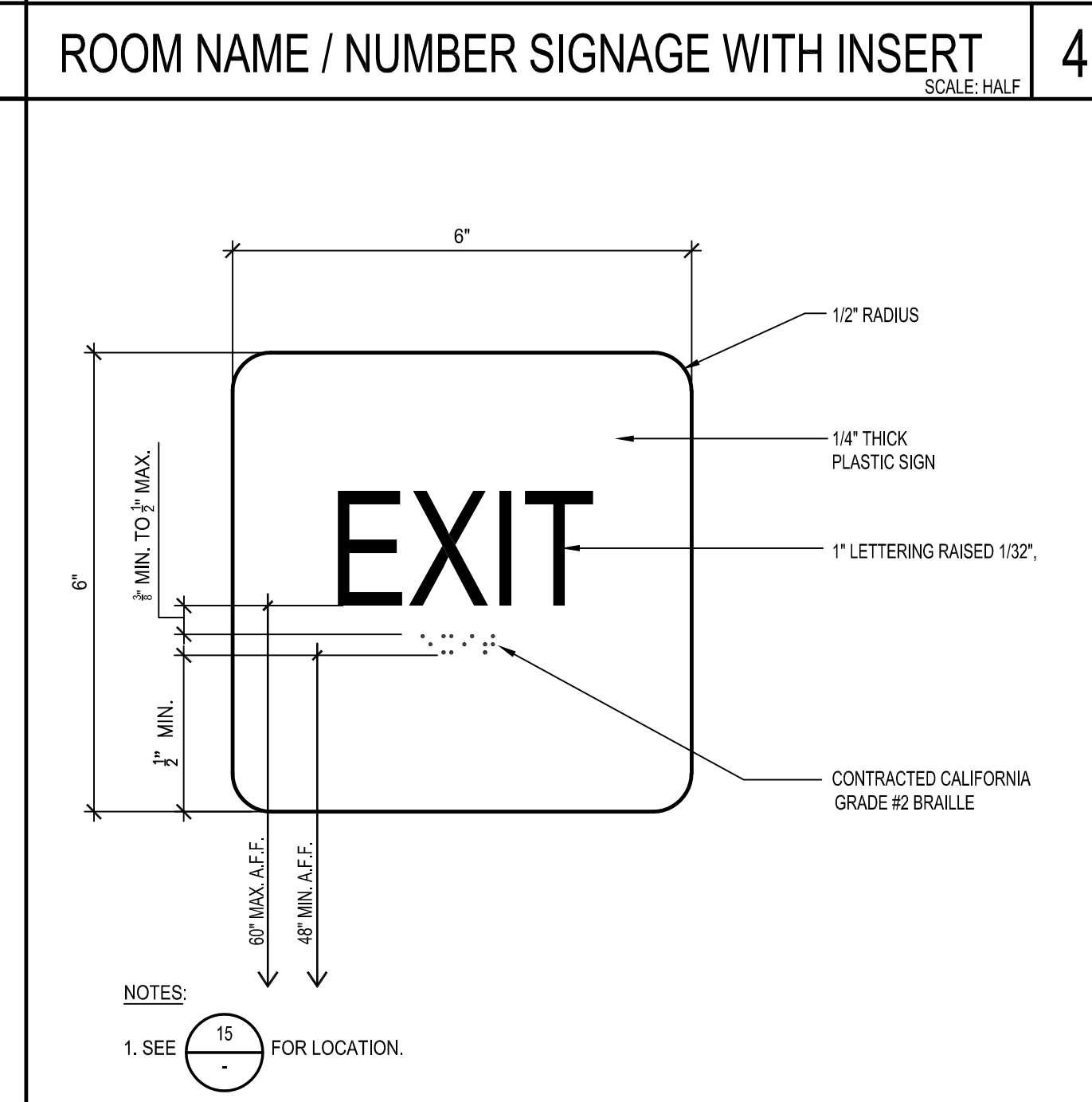
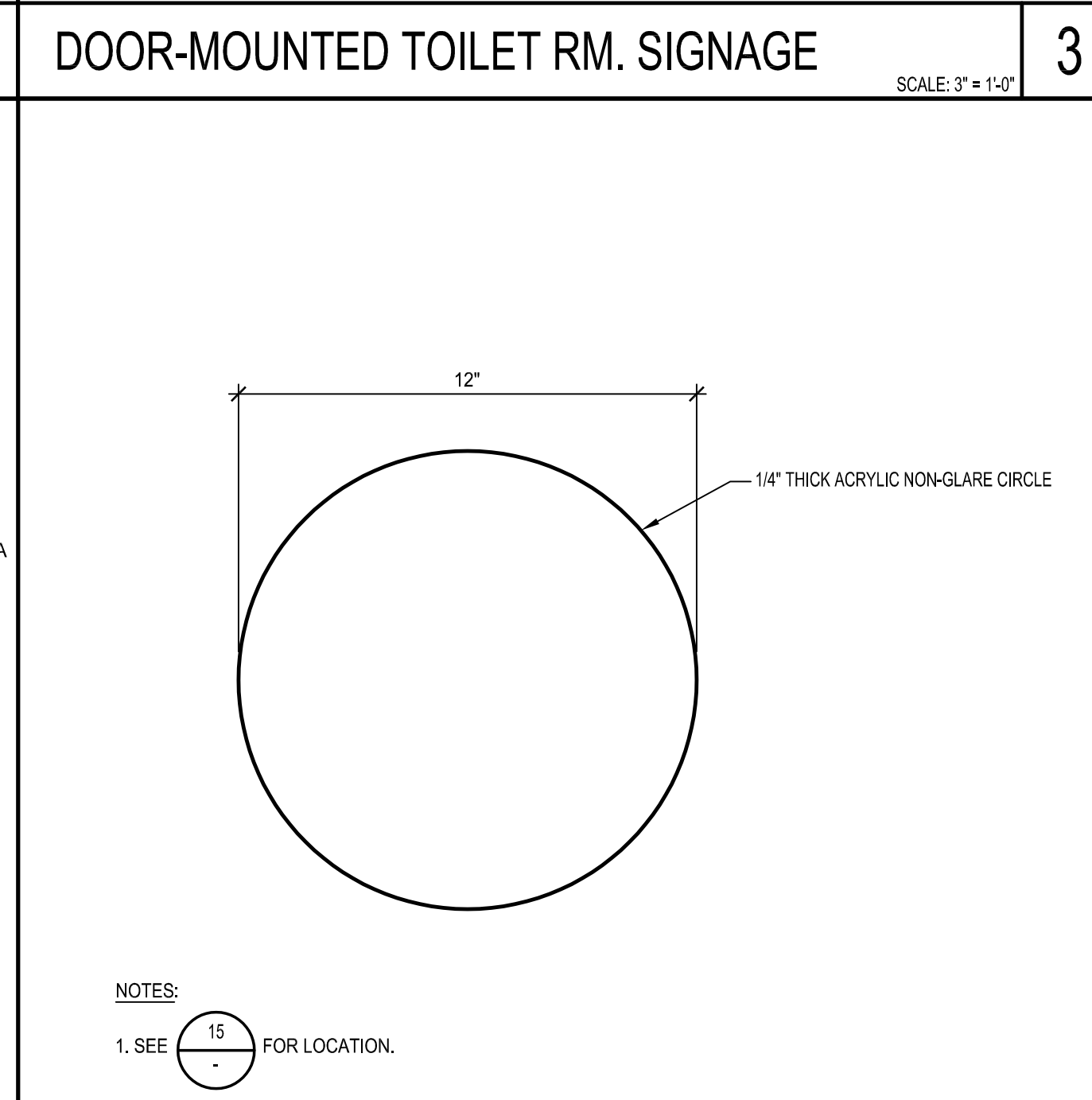
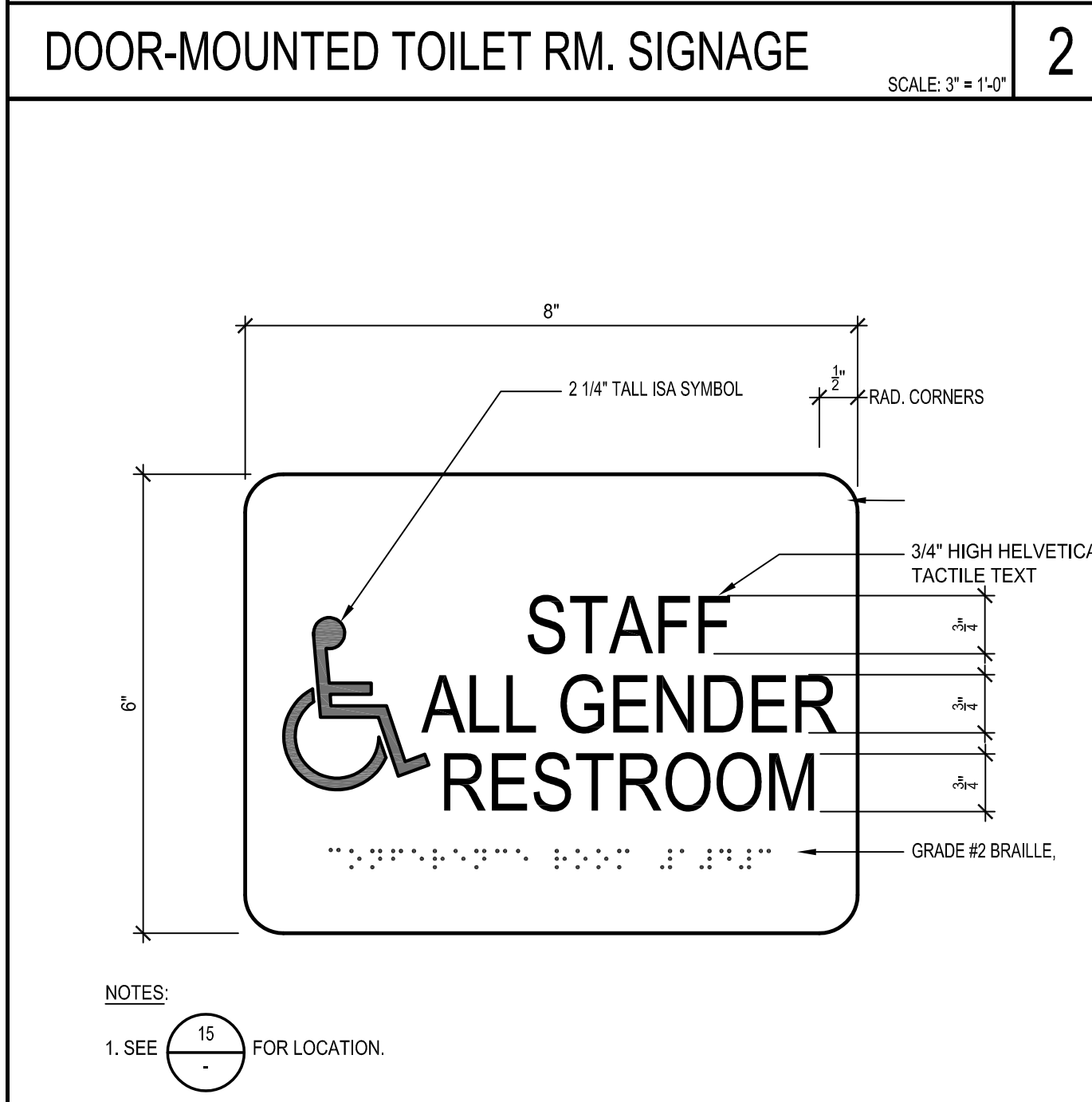
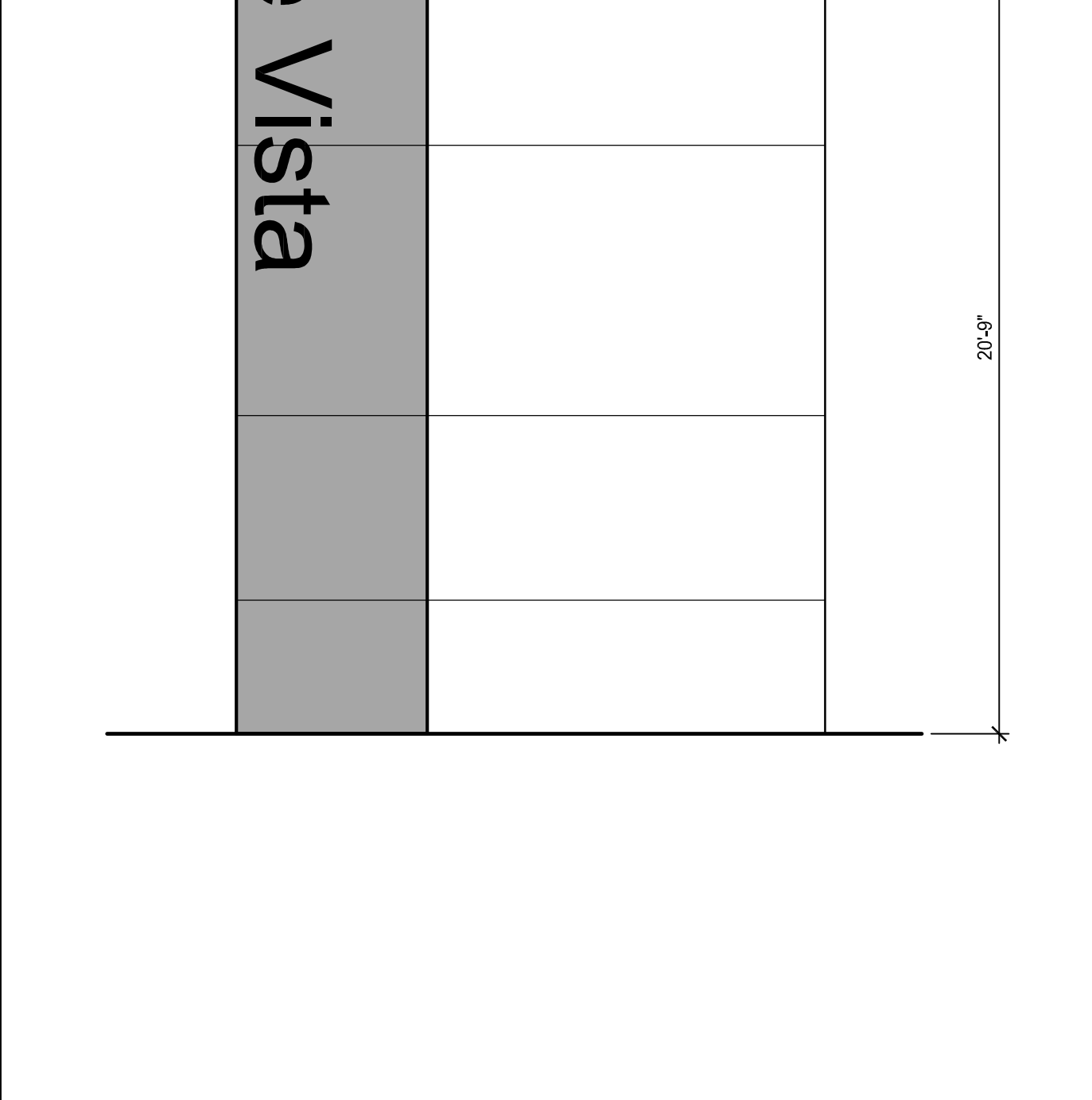
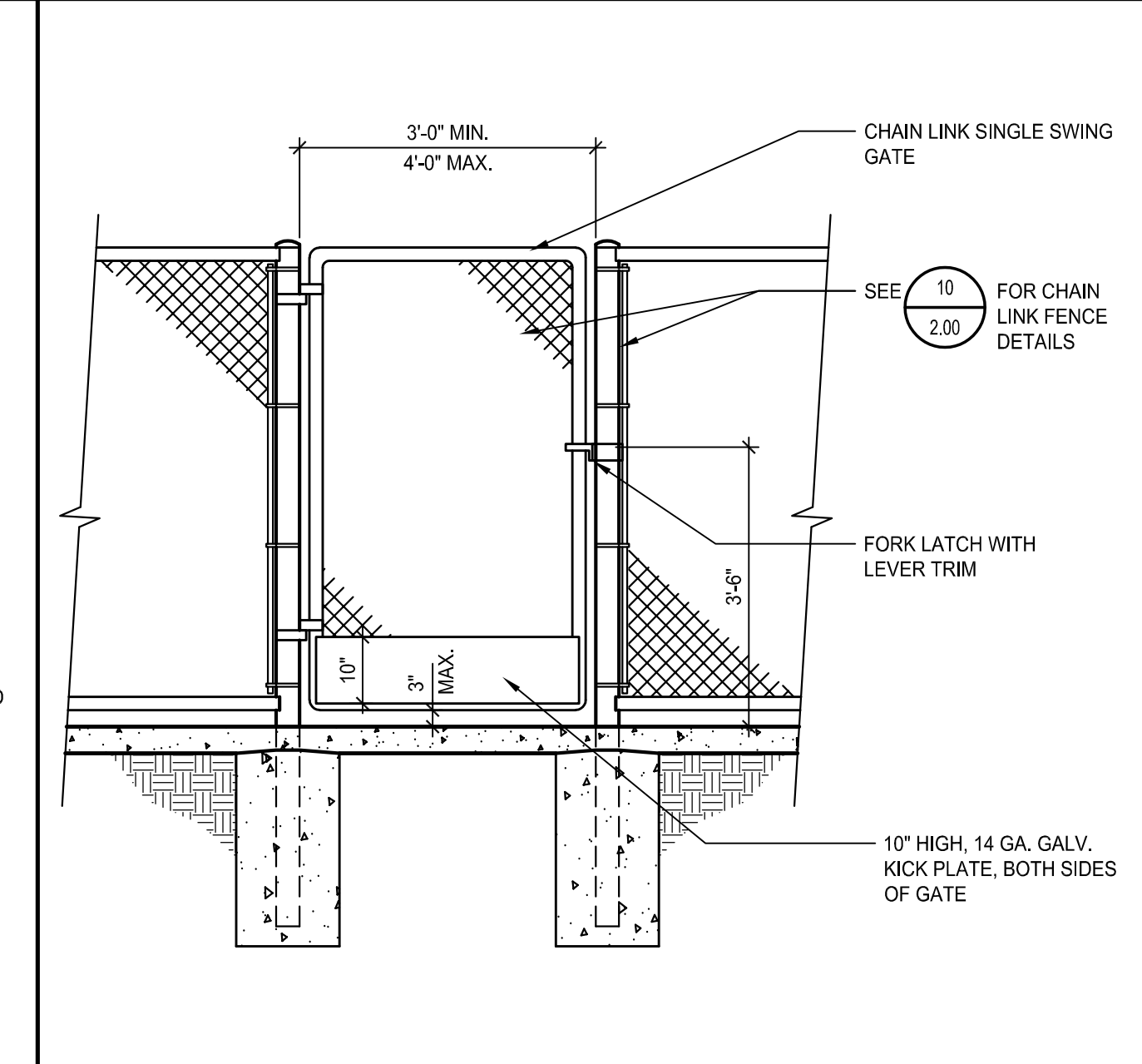
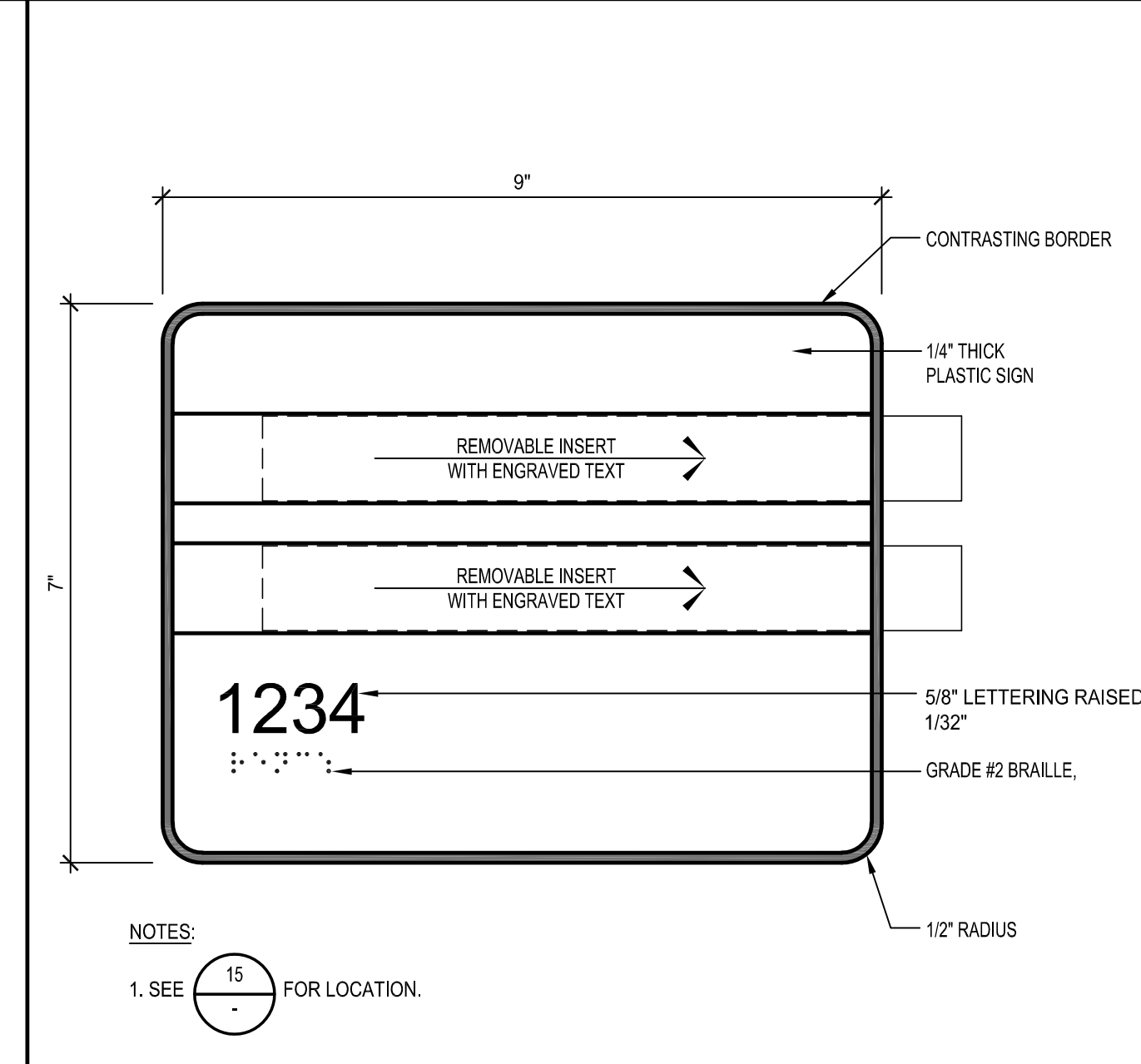
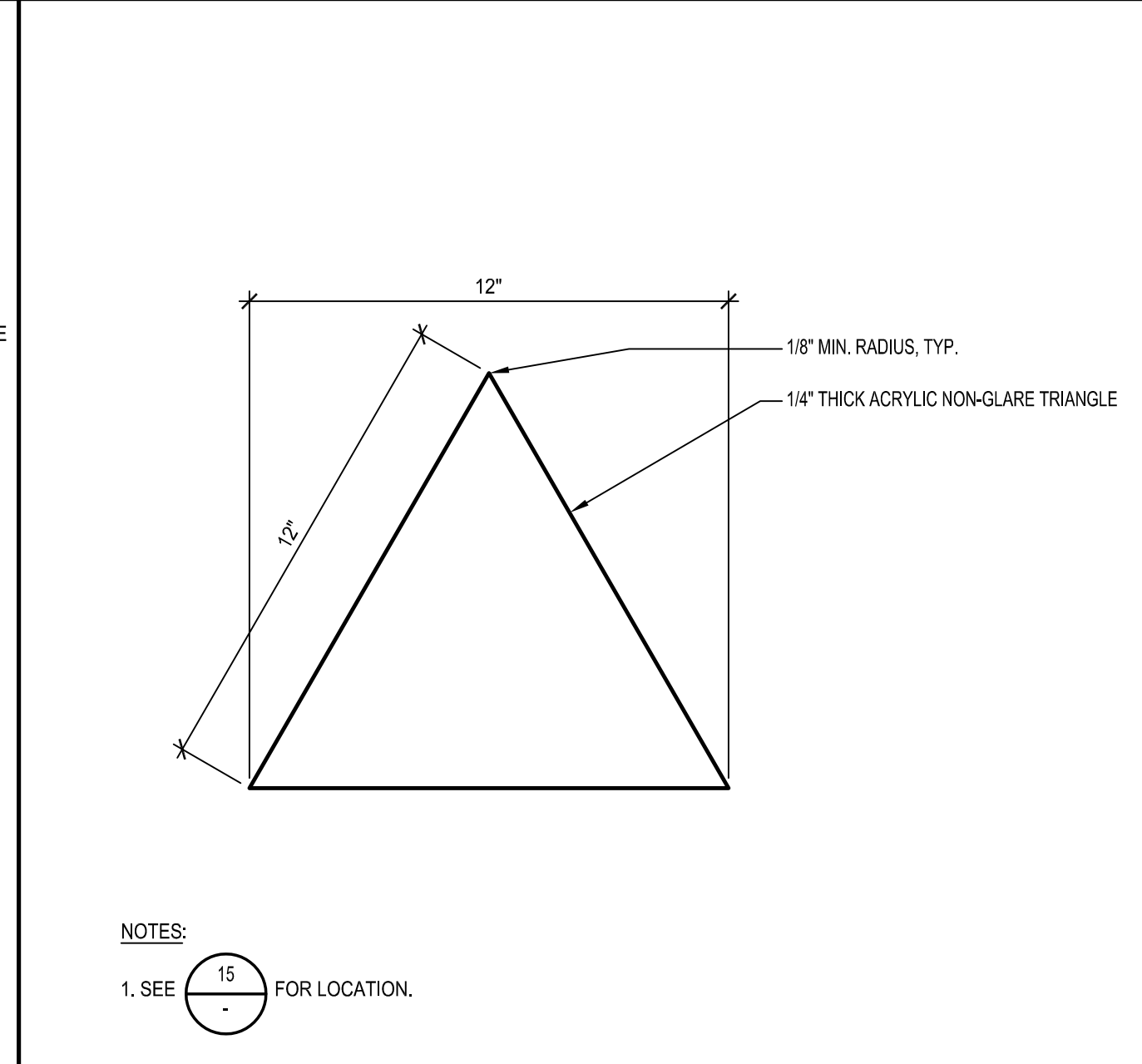
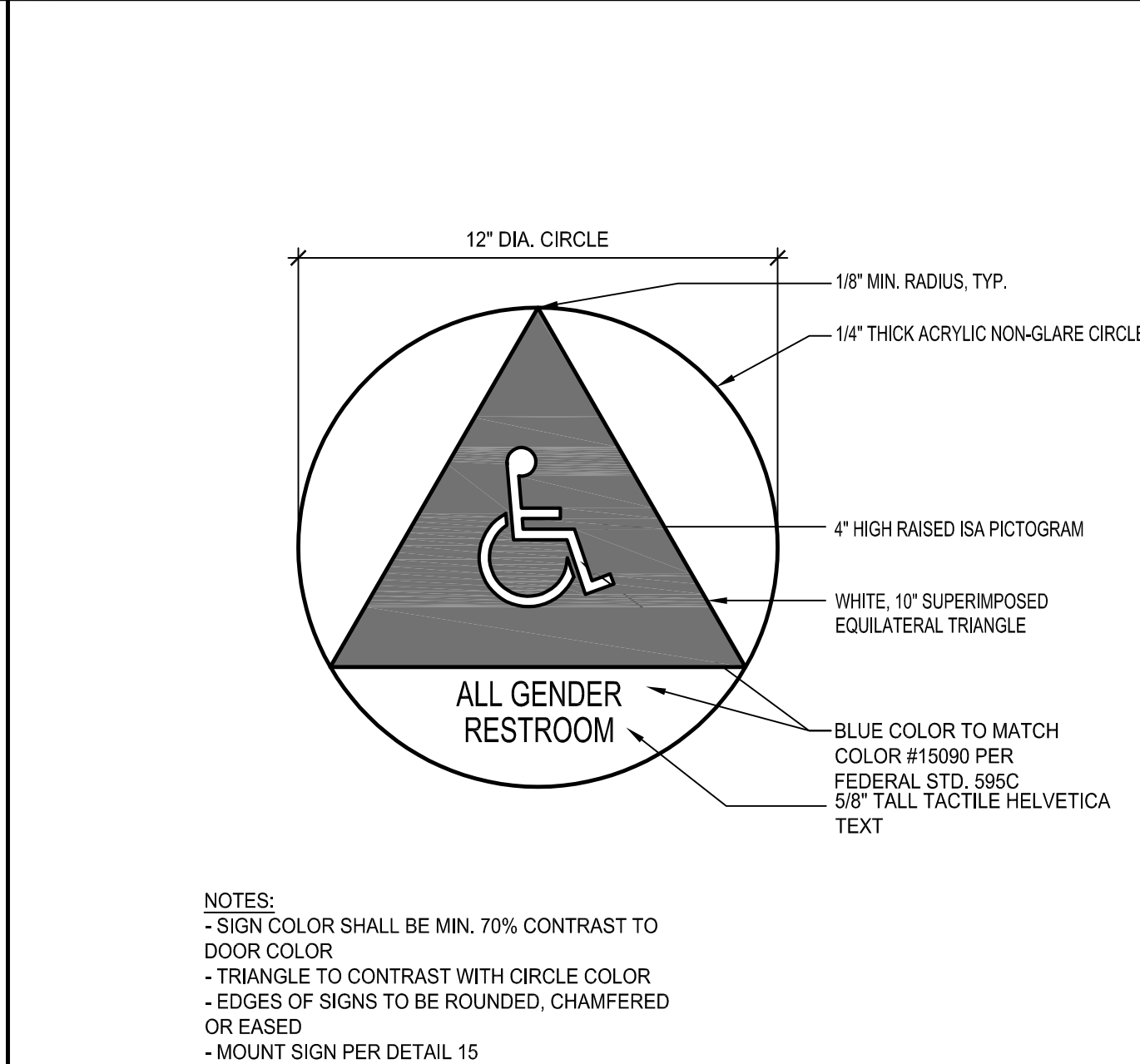
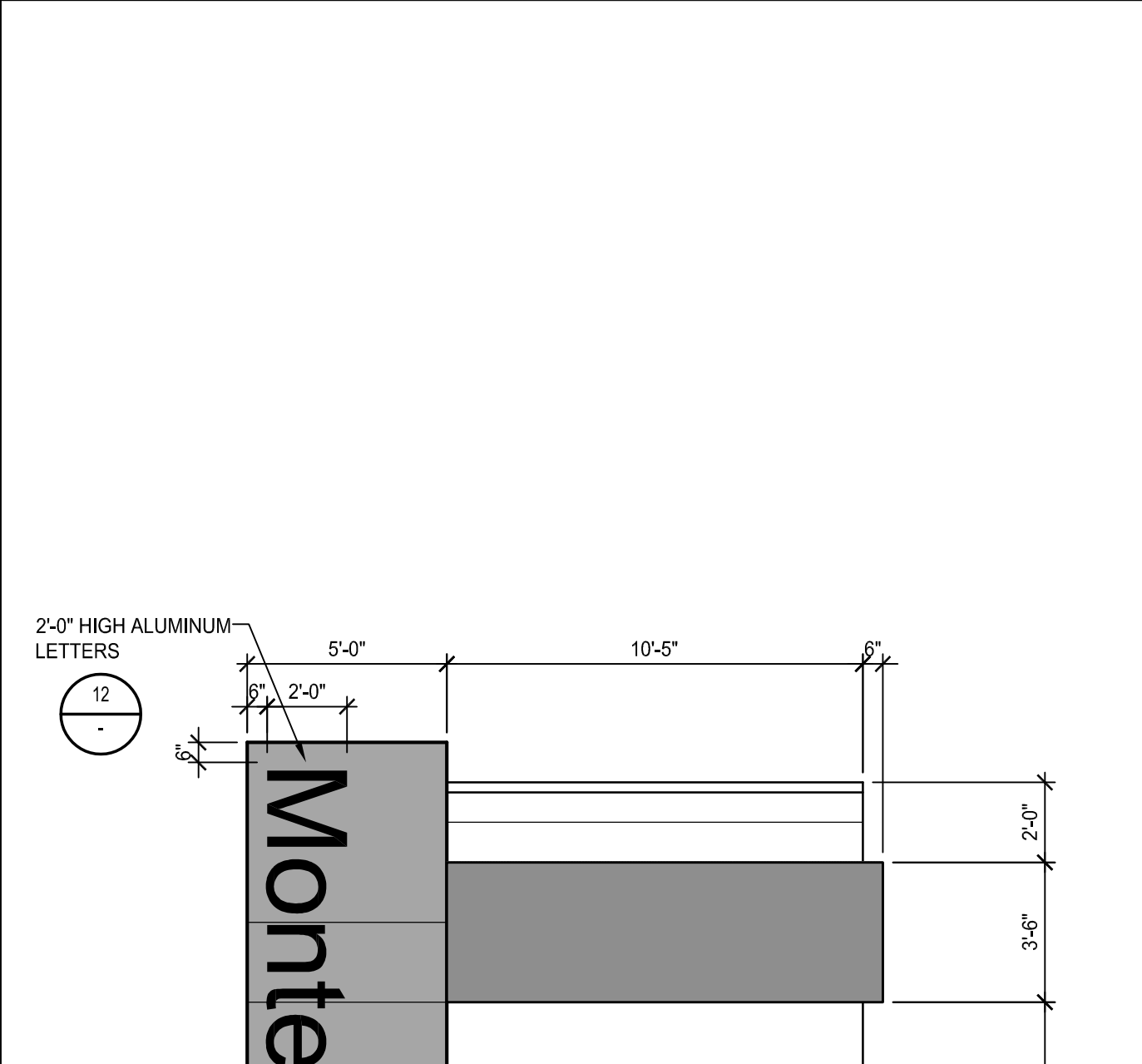
GLENDALE UNIFIED SCHOOL DISTRICT
2620 ORANGE AVENUE
LA CRESCENTA, CALIFORNIA 91214

owner

tBP project number: 21656.01
file name: 2.01.DWG
drawn by: checked by:
date: SEPTEMBER 22, 2021
Rev. date: description:

drawing title:
SITE DETAILS

drawing no.:
2.00
drawing of



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DATE: 09/29/2021

AR 03 - 121419
DIVISION OF THE STATE ARCHITECT
355 S. GRAND AVE. SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159/0726

agency

tBP architecture
interiors

ARCHITECT & INTERIORS
tBP ARCHITECTURE
4811 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300

architect

consultant

MONTE VISTA ELEMENTARY SCHOOL
2-STORY MODULAR CLASSROOM BUILDING

owner

GLENDALE UNIFIED SCHOOL DISTRICT
2620 ORANGE AVENUE
LA CRESCENTA, CALIFORNIA 91214

tBP project number : 21066.01
file name: dtl_1100.DWG
drawn by: - checked by:
date: SEPTEMBER 22, 2021
Rev. date: description:
drawing title:
SITE DETAILS
drawing no.:
11.00
drawing of

FIXTURE SCHEDULE																	
ITEM	FIXTURE	ROUGH-IN CONNECTIONS						DESCRIPTION	ITEM	FIXTURE	ROUGH-IN CONNECTIONS						DESCRIPTION
		TRAP	WASTE	VENT	HOT WATER	COLD WATER	GAS				TRAP	WASTE	VENT	HOT WATER	COLD WATER	GAS	
GPR 1	GAS PRESSURE REGULATOR	--	--	--	--	--	FISHER CONTROLS NO. HSR-1628-88103, 1" SIZE CONNECTION, 1/2" ORIFICE, 3/4" VENT WITH 6.0" TO 8.0" WATER COLUMN @ 5.0 PSI INLET PRESSURE AND A FLOW UP TO 1,080 CFH. CAST IRON CONSTRUCTION.	SOV 1	SEISMIC GAS VALVE	ITEM SHALL BE SIZED TO MATCH FULL LINE SIZE OF PIPING SERVED. SEE PLAN FOR SIZES.	KOSO/CALIFORNIA EARTHQUAKE SENSITIVE SHUT-OFF VALVE, 60 PSI WORKING PRESSURE, U.L. LISTED, THREADED CONNECTIONS FOR SIZES 2" AND LESS, FLANGED CONNECTIONS FOR SIZES GREATER THAN 2". PRESSURE DROP SHALL NOT EXCEED 13" EQUIVALENT PIPING LENGTH.						

GENERAL NOTES													
<p>1. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.</p> <p>2. ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.</p> <p>3. ALL EXTERIOR GAS COCKS, WATER SHUT OFF VALVES AND/OR SEWER CLEANOUTS BELOW GROUND SHALL BE INSTALLED IN YARD BOXES WITH THE COVERS CONSPICUOUSLY MARKED "GAS", "WATER", AND "SEWER" RESPECTIVELY.</p> <p>4. CONNECTION BETWEEN INCOMPATIBLE MATERIALS ABOVE GRADE AND INSIDE BUILDING SHALL BE MADE WITH TWO (2) DIELECTRIC UNIONS SEPARATED BY A TWELVE INCH (12") SECTION OF RED BRASS PIPE.</p> <p>5. ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING.</p> <p>6. ALL WORK AND MATERIAL SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH CALIFORNIA PLUMBING CODE 2019.</p> <p>7. ANY ALTERATIONS TO A STRUCTURAL MEMBER, SUCH AS CUTTING, BORING, BRAZING, DRILLING, WELDING, ETC. SHALL HAVE PRIOR WRITTEN APPROVAL OF ARCHITECT, STRUCTURAL ENGINEER AND DSA.</p> <p>8. M.E.P. COMPONENT ANCHORAGE NOTE:</p> <p>ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.</p> <p>1. ALL PERMANENT EQUIPMENT AND COMPONENTS.</p> <p>2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRE) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.</p> <p>3. TEMPORARY, MOVABLE, OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER 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.</p> <p>THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENTS IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:</p>							<p>8. CONT.</p> <p>A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.</p> <p>B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.</p> <p>THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS SHALL BE THE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE THE DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.</p> <p>9. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:</p> <p>PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCE 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 2019 CBC SECTIONS 1617A.1.24, 1617A.1.25, AND 1618A.1.26.</p> <p>THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. OSHPD OPM FOR 2019 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.</p> <p>MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):</p> <p>MP [] MD [] PP [] E [] - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.</p> <p>MP [] MD [] PP [X] E [] - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #0043-13.</p>						

LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
	G	GAS LINE
	MPG	MEDIUM PRESSURE GAS
	EMPG	EXISTING MEDIUM PRESSURE GAS
	SOV/GC	SHUT-OFF VALVE OR GAS COCK IN YARD BOX
	GC	GAS COCK
		RISER UP
		RISER DOWN
	ABV	ABOVE
	BEL	BELOW
	CONT	CONTINUATION
	DN	DOWN
	EXIST	EXISTING
	FLR	FLOOR
	POC	POINT OF CONNECTION
	PLCS	PLACES
	YB	YARD BOX

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AP 03-121419
DIVISION OF THE STATE ARCHITECT
355 S. GRAND AVE. SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159/0726
agency

architecture
planning
interiors

IBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300
architect

PDS
PocockDesignSolutions Inc.
consultant

MONTE VISTA ELEMENTARY SCHOOL
2-STORY MODULAR CLASSROOM BUILDING

GLENDALE UNIFIED SCHOOL DISTRICT
2620 ORANGE AVENUE
LA CRESCENTA, CALIFORNIA 91214

owner

IBP project number : 21056.01

file name:

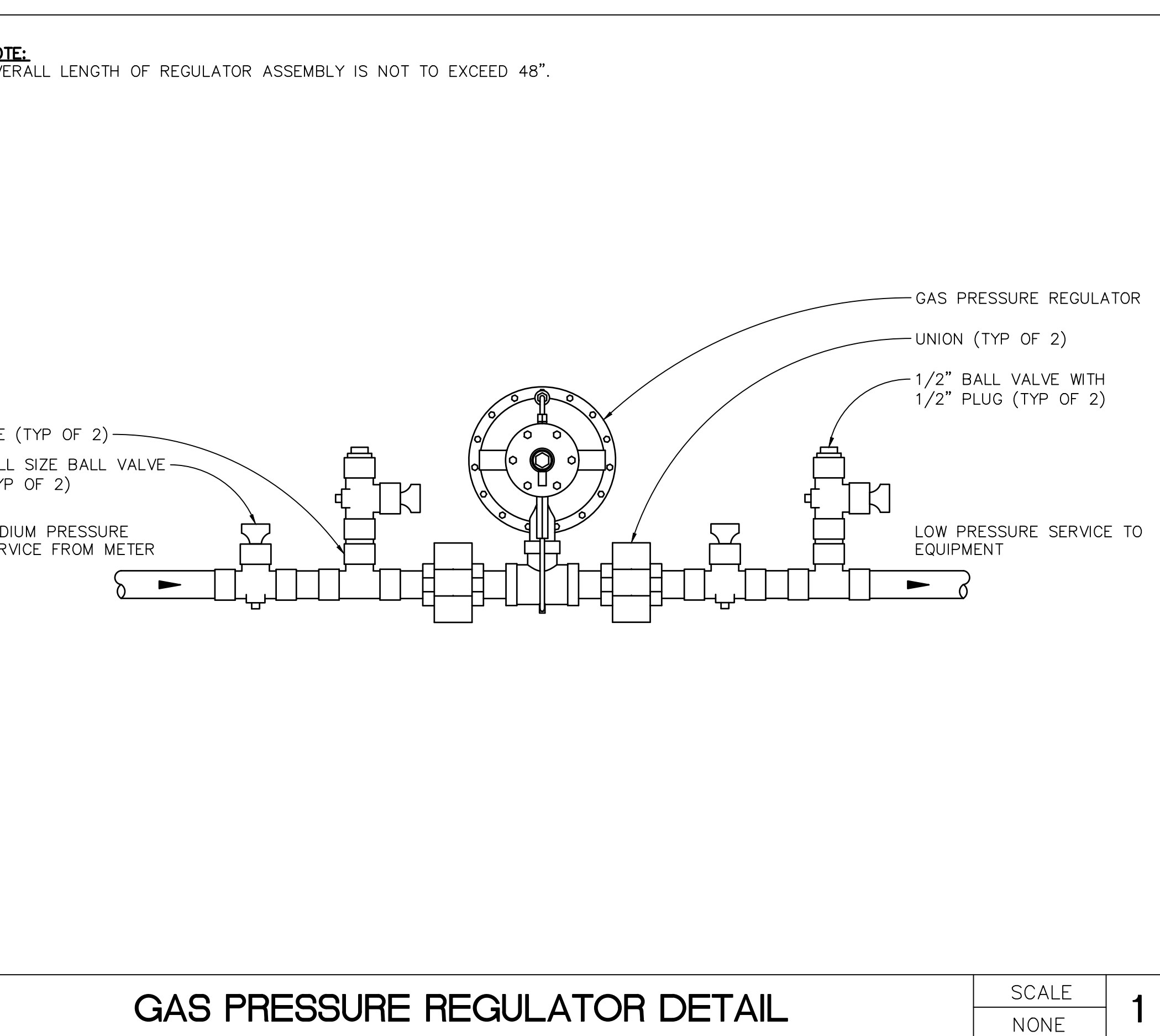
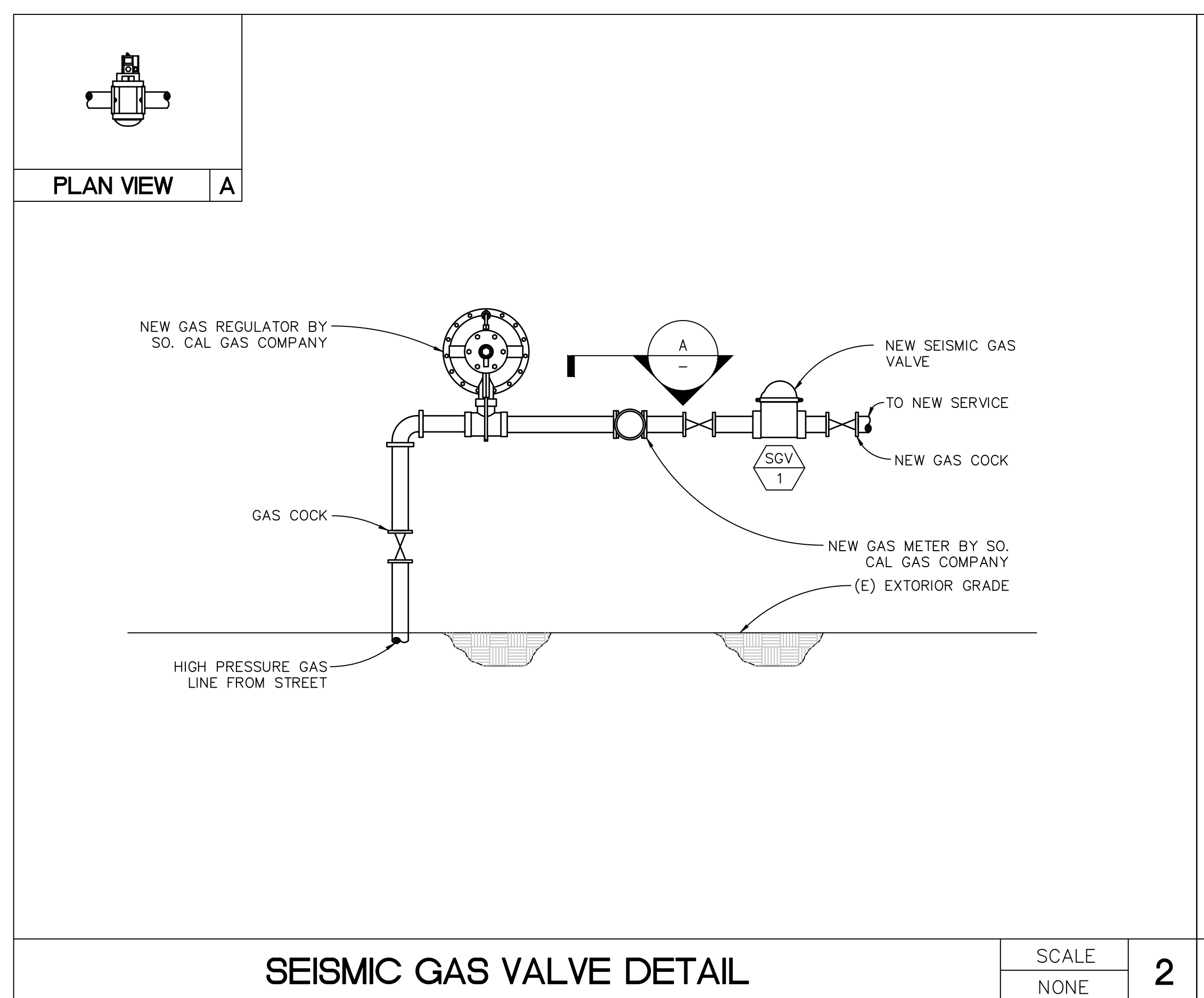
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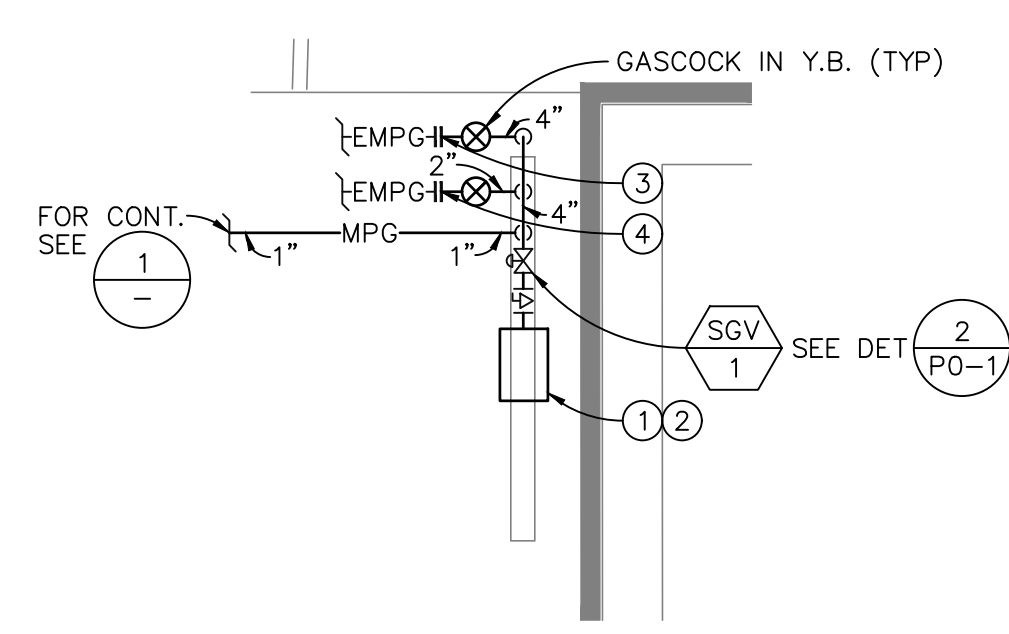
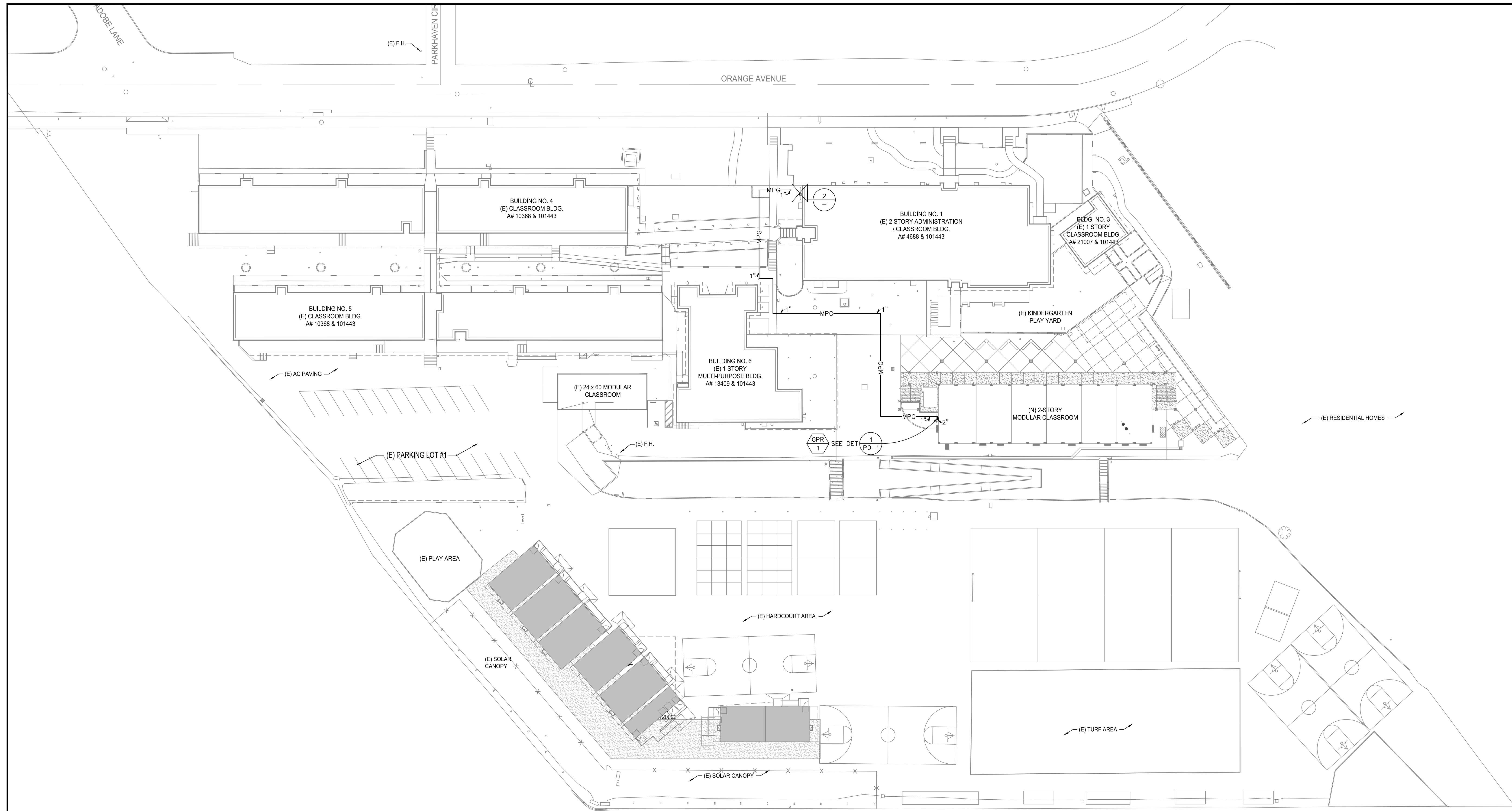
date: August 16, 2021

Rev: date: description:

drawing title:
PLUMBING LEGEND, SCHED.
GENERAL NOTES, & DETAILS

drawing no.:
P0-1
drawing of





- CONSTRUCTION KEY NOTES:**
- CONTRACTOR SHALL CHANGE EXISTING MPG LINE ONE SIZE LARGER THAN LARGEST EXISTING LINE FOR THE NEW GAS DEMAND.
 - CONTRACTOR SHALL VERIFY WITH SO. CALIF. GAS CO. IF EXISTING GAS METER IS ADEQUATE FOR NEW GAS DEMAND.
 - P.O.C. NEW 4" MPG LINE TO EXISTING MPG LINE BELOW GRADE. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.
 - P.O.C. NEW 2" MPG LINE TO EXISTING MPG LINE BELOW GRADE. FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION OF ANY PIPING.

PLUMBING ENLARGED SITE PLAN

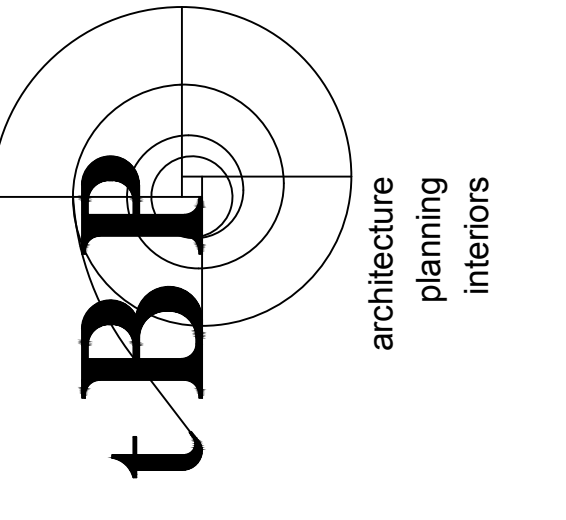
SCALE 1/4"=1'-0" 2

PLUMBING SITE PLAN

NORTH
SCALE 1"=30'-0" 1

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DIVISION OF THE STATE ARCHITECT
355 S. GRAND AVE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159/0726
agency



IBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300
architect



PDS
PocockDesignSolutions Inc.
consultant

**MONTE VISTA ELEMENTARY SCHOOL
2-STORY MODULAR CLASSROOM BUILDING**
GLENDALE UNIFIED SCHOOL DISTRICT
2620 ORANGE AVENUE
LA CRESCENTA, CALIFORNIA 91214
owner

IBP project number : 21056.01

file name:

drawn by: JS checked by: PDS

date: August 16, 2021

Rev: date: description:

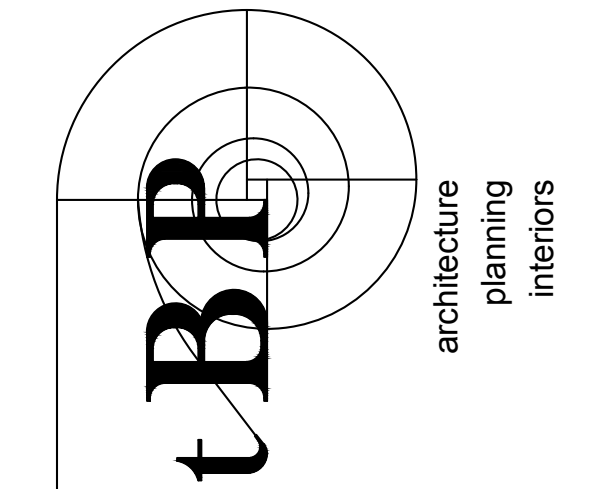
Rev	date	description

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PLUMBING SITE PLAN

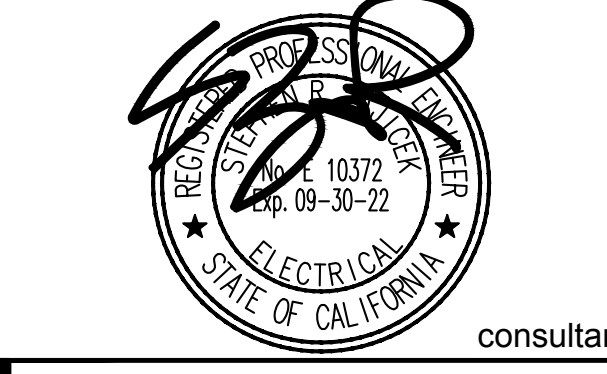
drawing no.:
P1-1
drawing of

- CONSTRUCTION NOTES:**
- ALL GAS PIPING SIZES INSIDE AND OUTSIDE THE BUILDING ARE BASED ON CALIFORNIA PLUMBING CODE 2019 TABLE 1215.2(21) (MEDIUM PRESSURE) AT TOTAL DEVELOPED LENGTH 350 FEET & 660 CFH.
 - BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING BY PHYSICAL EXCAVATION, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
 - THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND POINTS OF CONNECTION PRIOR TO BIDDING PROJECT.
 - WHERE PLANS INDICATE NEW FIXTURES OR EQUIPMENT CONNECTING TO EXISTING SERVICES, PLUMBING CONTRACTOR SHALL MODIFY AND/OR EXTEND EXISTING PIPING OR ROUGH-INS AS REQUIRED TO SUIT THE NEW FIXTURE.



tbpp/Architecture
 4811 Teller Avenue
 Newport Beach, CA 92660
 ph: 949.673.0300

FBA Engineering
 Consulting Electrical Engineers
 159 Palmdale Avenue Suite A120
 Costa Mesa, CA 92626
 949.852.9995 • 949.852.1657 (fax)
 fbaeng.com
 FBA Job Number: 212.277



**MONTE VISTA ELEMENTARY SCHOOL
 2-STORY MODULAR CLASSROOM BUILDING**
 GLENDALE UNIFIED SCHOOL DISTRICT
 2620 ORANGE AVENUE
 LA CRESCENTA - MONTEROSE, CALIFORNIA 91214

owner

file name: 21056.00

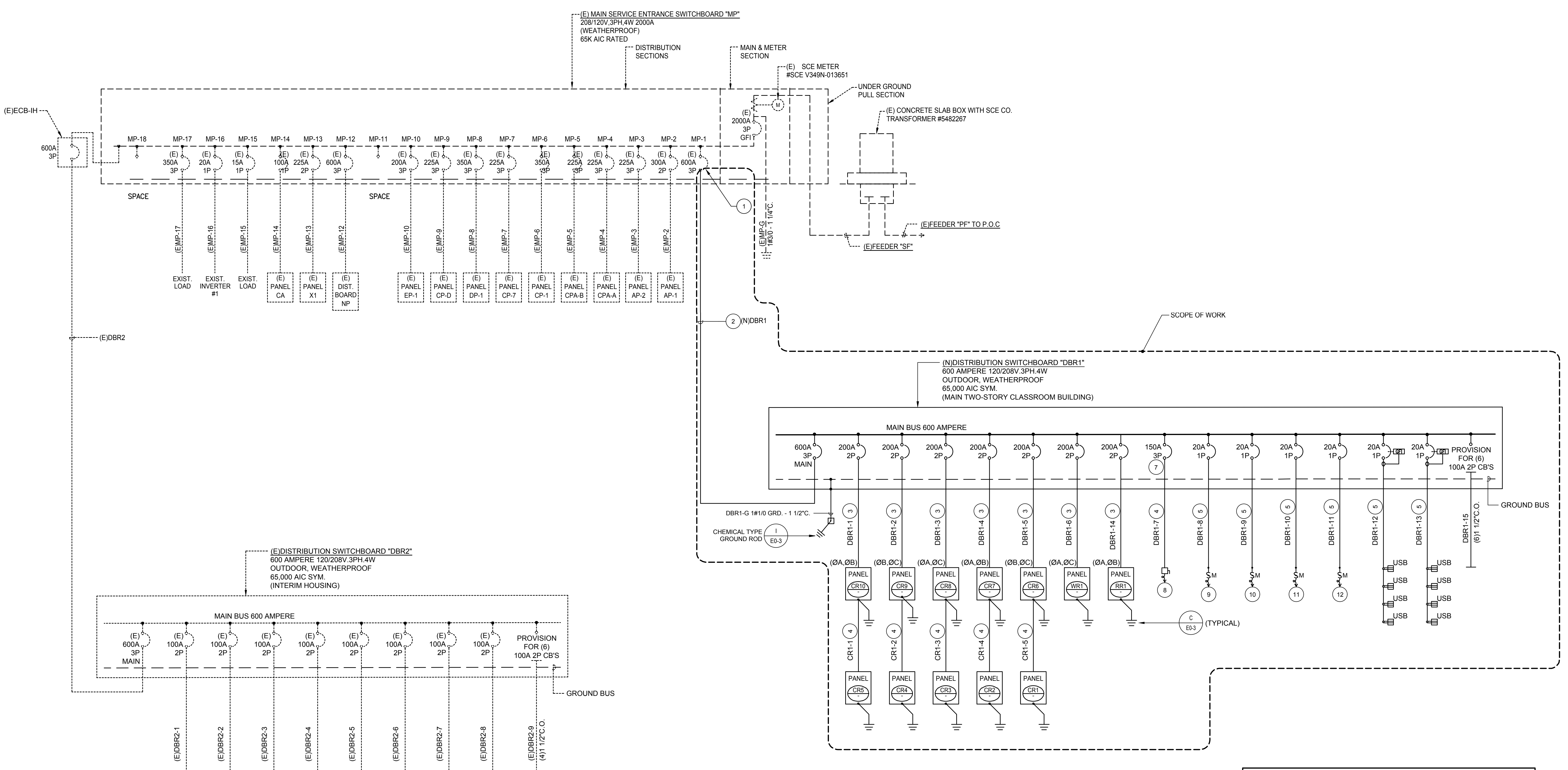
date: DECEMBER 28, 2020

Rev. date: description:

drawing title:
SINGLE LINE DIAGRAM

drawing no.:
E0-2
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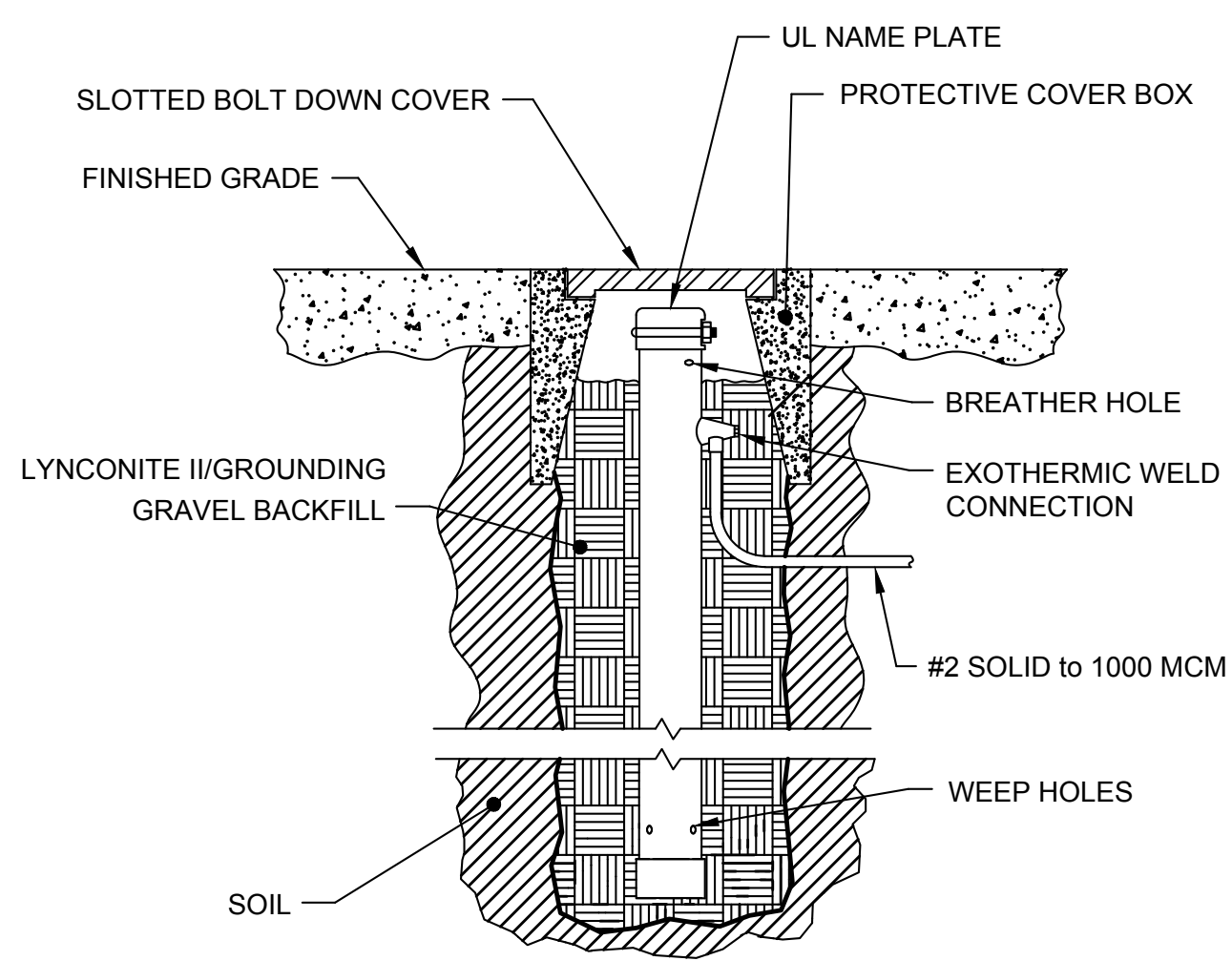
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ITEM	DESCRIPTION	VA
1	PANEL CR10	26140
2	PANEL CR9	26140
3	PANEL CR8	26140
4	PANEL CR7	26140
5	PANEL CR6	26140
6	PANEL WR1	8351
7	ELEVATOR	46800
8	PIT RECEPTACLE AND LIGHT	210
9	MACHINE ROOM LIGHT	21
10	ELEVATOR EF	500
11	ELEVATOR CAB LIGHTS	120
12	SITE RECEPTACLES	720
13	PANEL RR1	8351
14		
15		
16		
17		
18		
19		
20		
TOTAL		195773

544 AMPS @
 208V/120
 VOLTS
 3 PH
 4 WIRE
 600A BUS

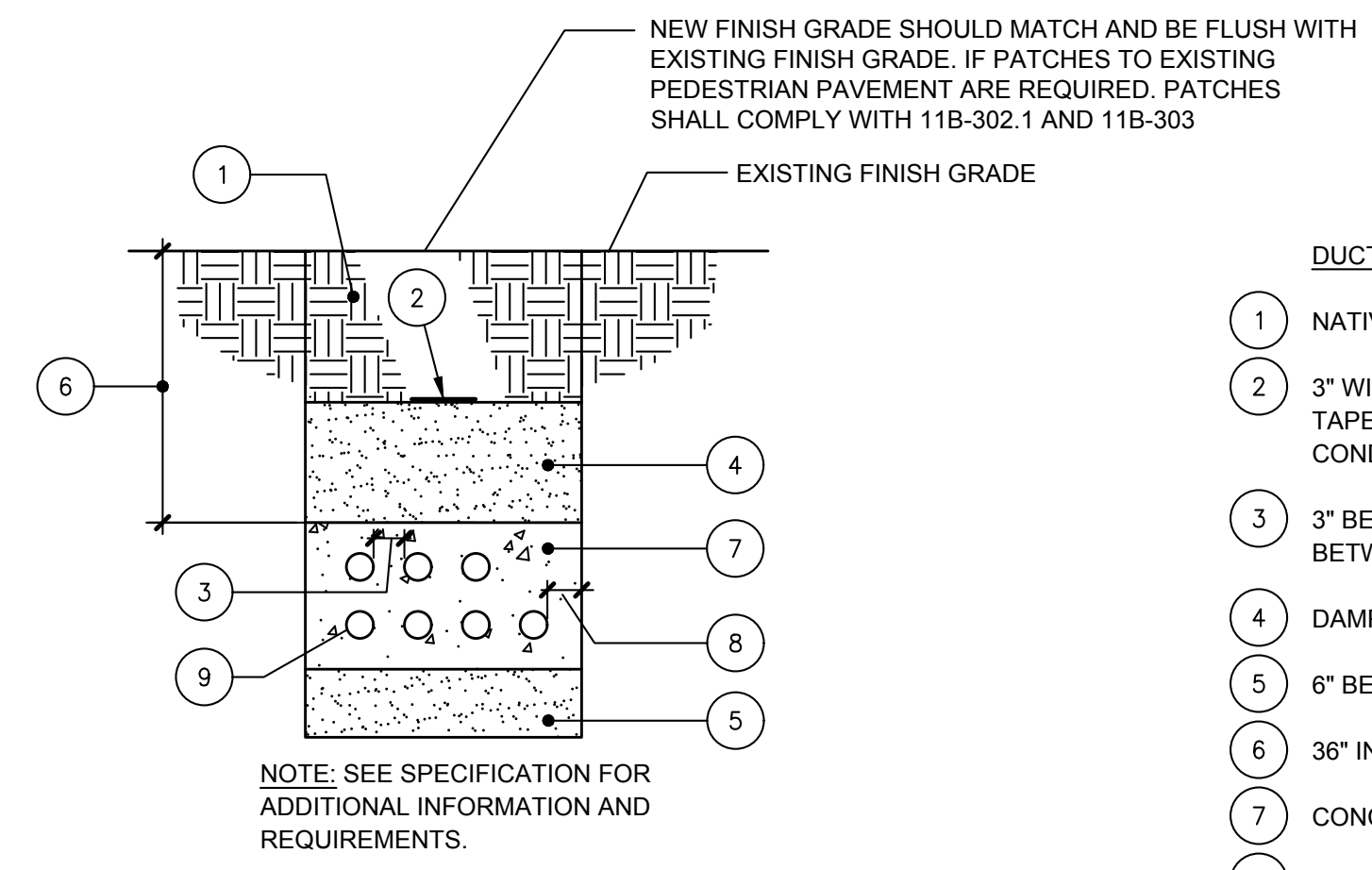
SINGLE LINE DIAGRAM PLAN NOTES

- USE EXISTING CIRCUIT BREAKER FOR NEW CONSTRUCTION.
- PROVIDE (2) SETS OF UNDERGROUND 4" WITH 4#500 MCM & 1#1/0 GRD. IN EACH.
- PROVIDE 2" WITH 3#3/0 & 1#6 GRD.
- PROVIDE 1 1/4" WITH 3#1/0 & 1#6 GRD.
- PROVIDE 3/4" WITH 2#10 & 1#10 GRD.
- PROVIDE 1 1/4" WITH 3#1 & 1#8 GRD.
- PROVIDE SHUNT TRIP MECHANISM ON MAIN CIRCUIT BREAKER SERVING THE ELEVATOR. THE HEAT DETECTORS IN THE ELEVATOR MACHINE ROOM AND ON TOP OF THE ELEVATOR SHAFT, UPON DETECTION OF HEAT, SHALL SHUT DOWN POWER TO THE ELEVATOR. INSTALL IN ACCORDANCE WITH ASME 17.1 NFPA AND THE ELEVATOR MANUFACTURER'S REQUIREMENTS.
- PROVIDE AND INSTALL 200 AMP FUSIBLE DISCONNECT SWITCH WITH 150 AMP FUSES. CONNECT TO ELEVATOR CONTROLLER IN ACCORDANCE WITH ELEVATOR MANUFACTURER'S REQUIREMENTS.
- CONNECT TO ELEVATOR PIT RECEPTACLE AND LIGHT FIXTURE IN ACCORDANCE WITH ELEVATOR MANUFACTURER'S REQUIREMENTS.
- CONNECT TO ELEVATOR MACHINE ROOM LIGHT IN ACCORDANCE WITH ELEVATOR MANUFACTURER'S REQUIREMENTS.
- CONNECT TO ELEVATOR EXHAUST FAN IN ACCORDANCE WITH ELEVATOR MANUFACTURER'S REQUIREMENTS.
- CONNECT TO ELEVATOR CAB LIGHTS IN ACCORDANCE WITH ELEVATOR MANUFACTURER'S REQUIREMENTS.

SINGLE LINE DIAGRAM GENERAL NOTE:
 ALL DASHED LINE WORK (---) INDICATES EXISTING ELECTRICAL EQUIPMENT, FEEDERS, DEVICES, ETC. TO REMAIN. ALL SOLID LINE WORK (—) INDICATES ELECTRICAL EQUIPMENT, FEEDERS, DEVICES, ETC. TO BE PROVIDED IN THIS SCOPE OF WORK.

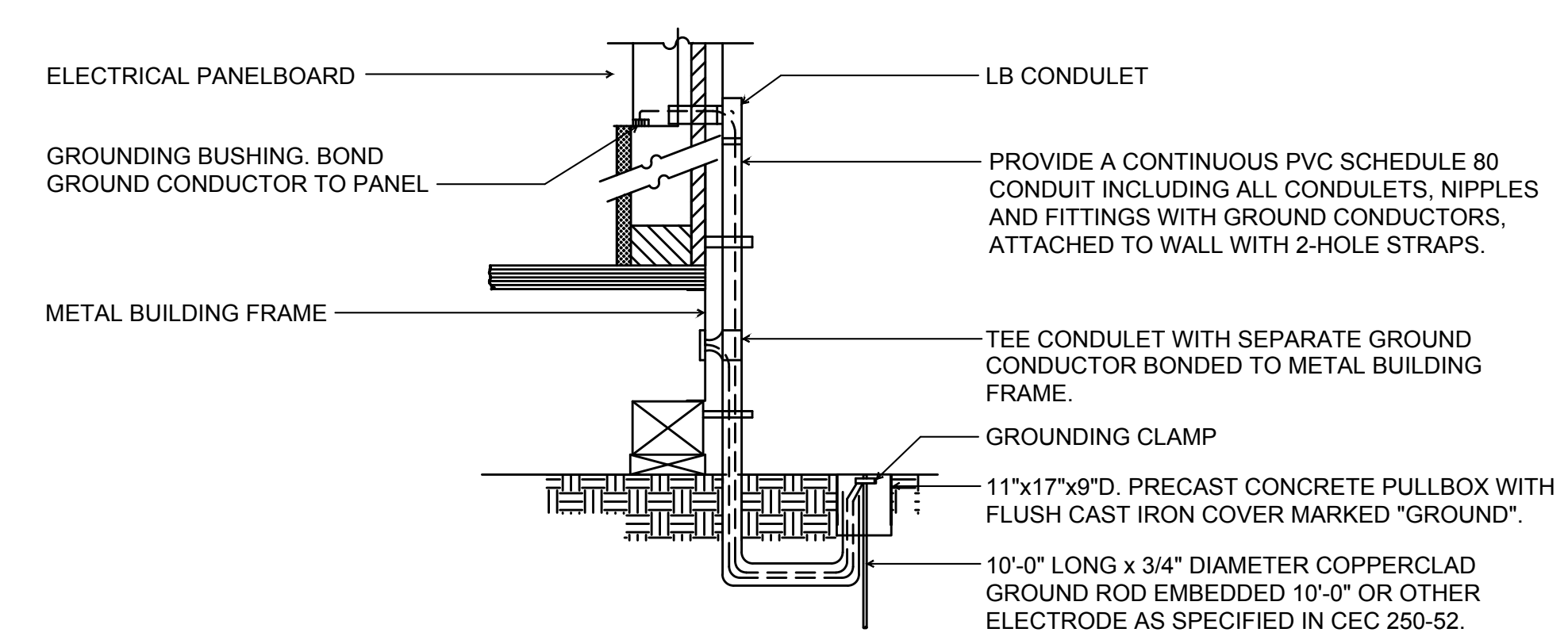


LYNCOLE XIT GROUNDING SYSTEM
STRAIGHT SHAFT MODEL:
INFORMATION & SPECIFICATIONS
 A. Manufacturer: Lyncole XIT Grounding, 3547 Voyager St., Ste. 204, Torrance, CA 90503, Phone 800-962-2610, www.Lyncole.com
 B. Shaft configuration: Straight. Standard lengths: 10', 12', 20' & 40', or custom.
 C. UL and CSA Listing: 467.
 D. Lynconite II and Grounding Gravel backfill meet ANSI/NSF Environmental Standard 60.
 E. Material: Type K Copper 0.083" nominal wall thickness.
 F. Construction: Hollow tube, 2.125" O.D., filled with non-hazardous salts (Calsolyte).
 G. Weight: 3.5 lbs per lineal foot.
 H. Ground Wire Termination: Exothermic connection to conductors from #2 solid AWG to 1000 MCM. U-bolt with pressure plate provided as test point.
 I. Warranty: 30 years. Minimum Life Expectancy: 50 years.
 J. Straight Shaft Model No: K2-10CS, K2-12CS, K2-20CS, K2-2-40CS (coupled 20 ft. sections)
 K. GSA Contract pricing Available.



- DUCT BANK NOTES:**
1. NATIVE SOIL BACK FILL
 2. 3" WIDE WARNING TAPE LOCATED 12" BELOW GRADE. TAPE SHALL INDICATE: CAUTION BURIED ELECTRICAL CONDUIT.
 3. 3" BETWEEN IDENTICAL SYSTEM CONDUITS OR 24" BETWEEN DIFFERENT SYSTEM CONDUITS.
 4. DAMP SAND BACK FILL TO WITHIN 12" OF FINISH GRADE.
 5. 6" BED OF DAMP SAND.
 6. 36" IN TRAFFIC AREAS, 24" IN NON-TRAFFIC AREAS.
 7. CONCRETE ENCASUREMENT.
 8. 3" MINIMUM COVERAGE.
 9. REFER TO PLANS FOR CONDUITS SIZE AND QUANTITIES.

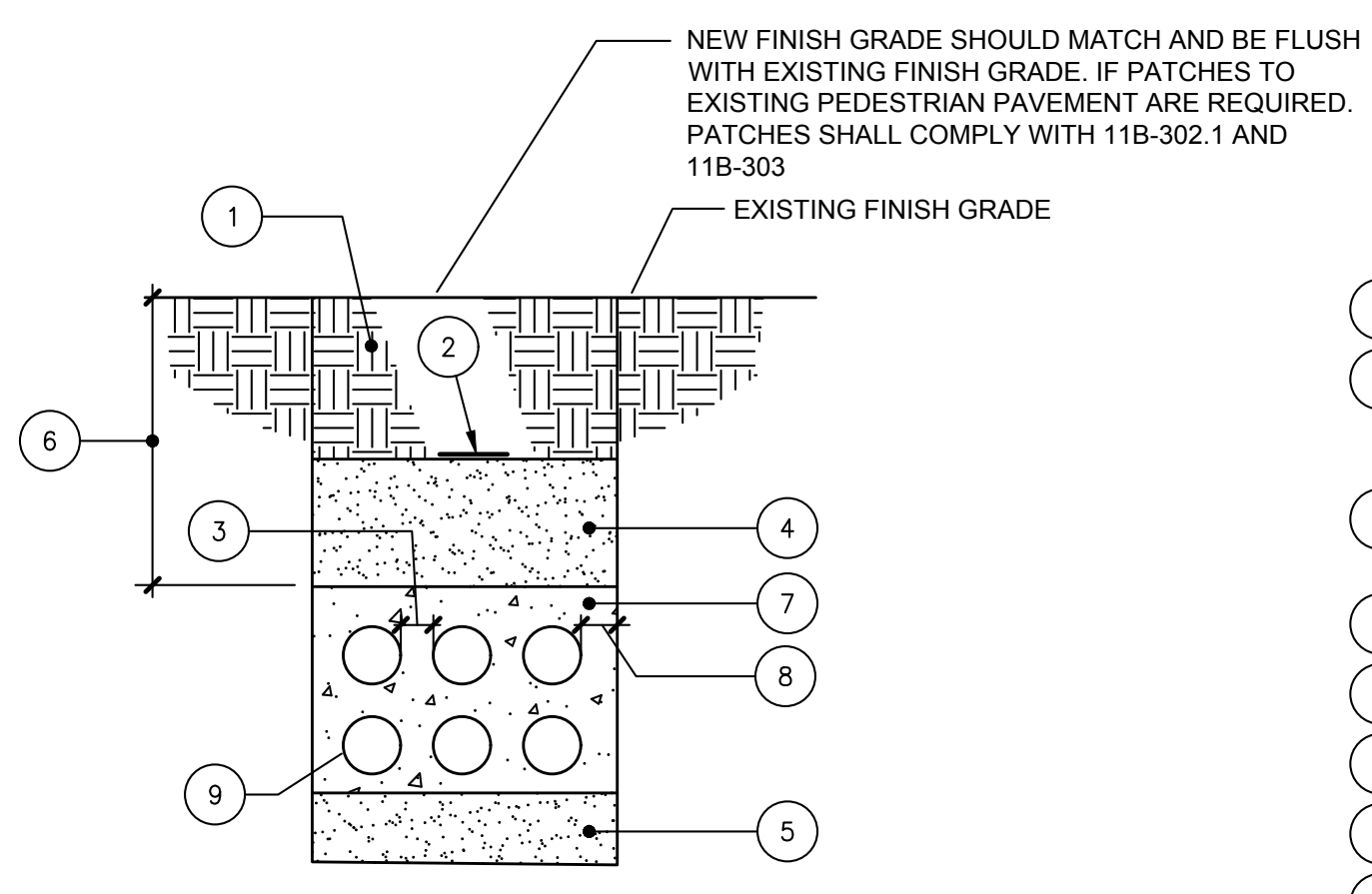
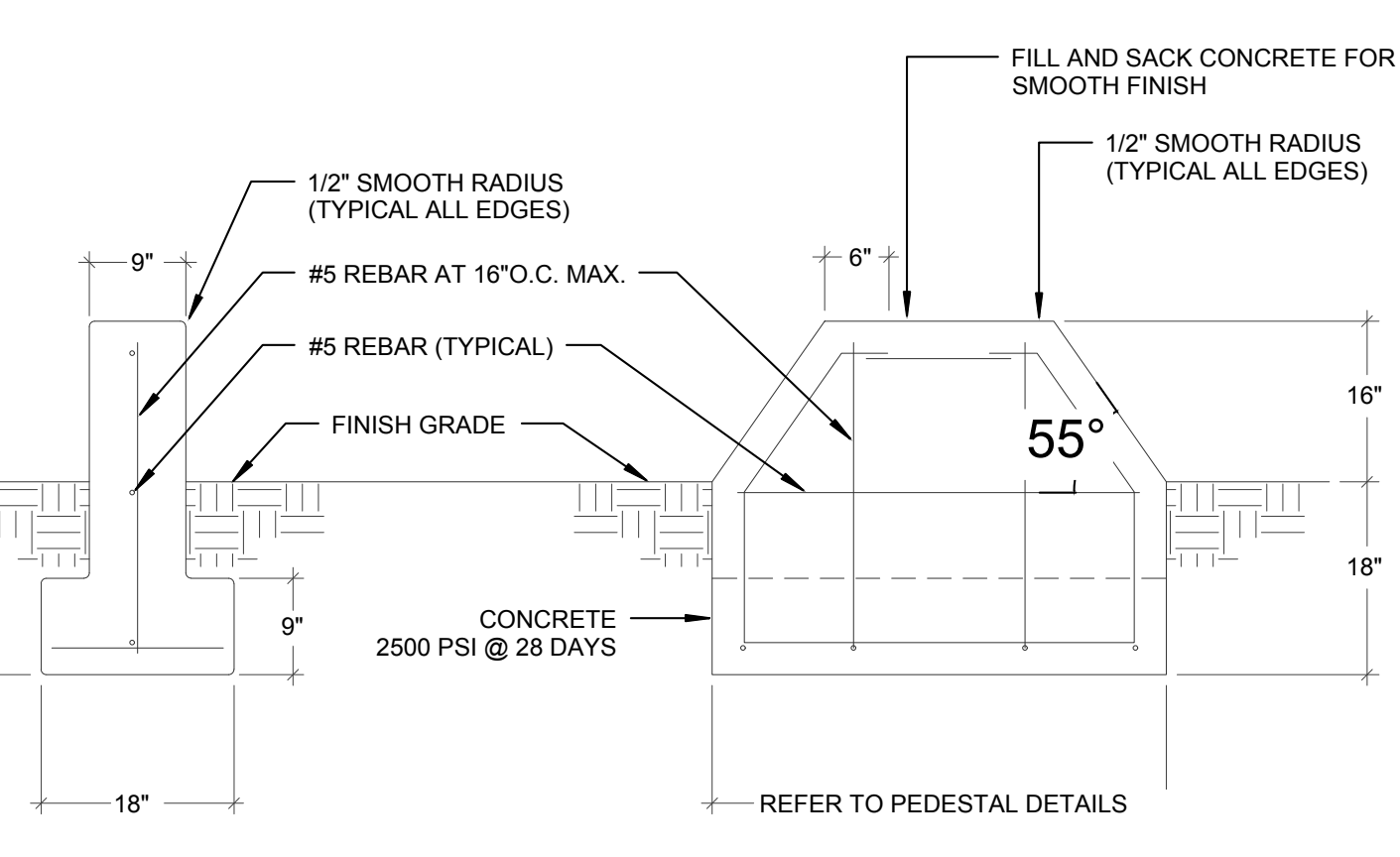
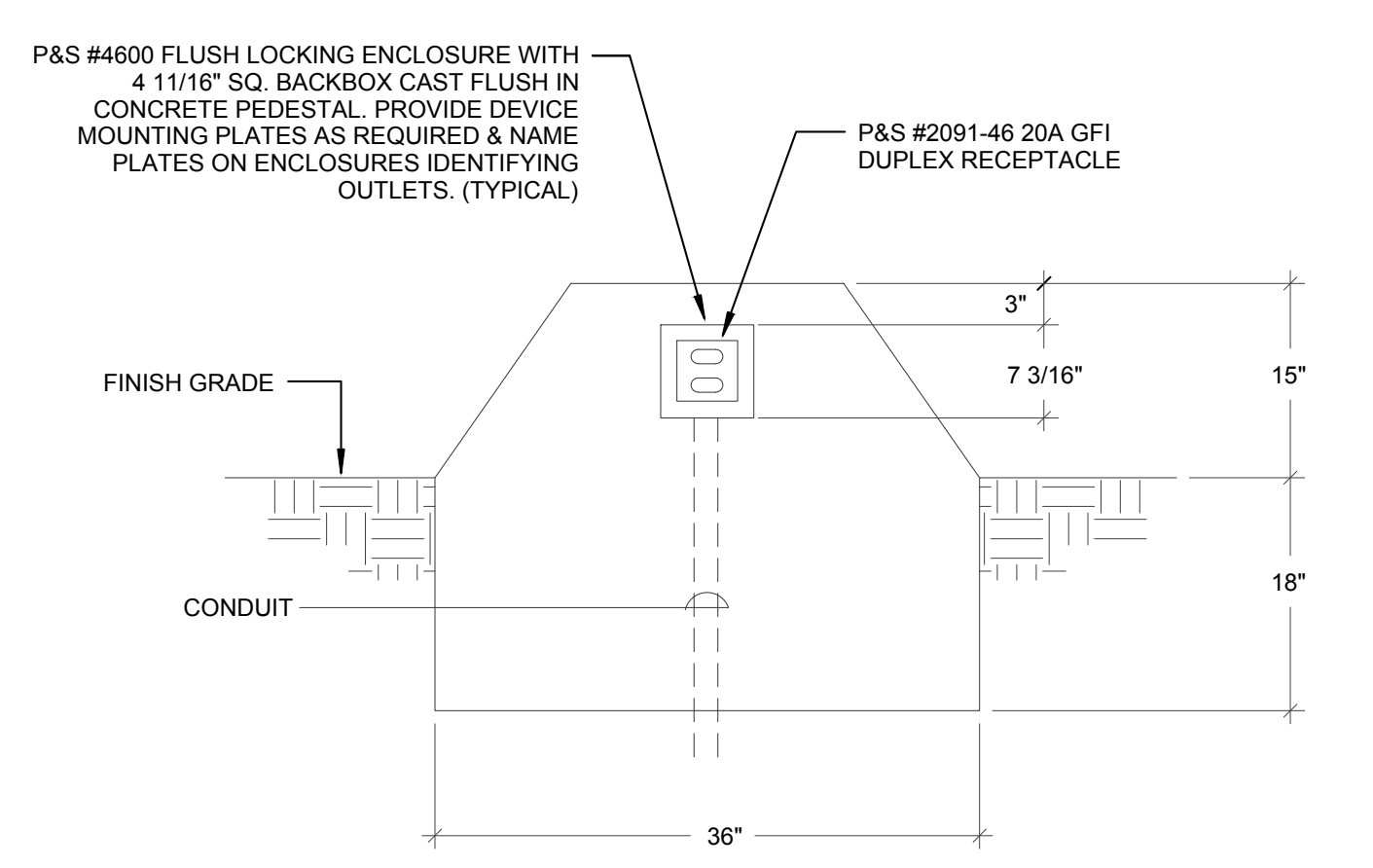
SIGNAL CONDUIT DUCT BANK DETAIL SCALE: NTS F



- NOTES:**
1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC, TABLE 250-66
 2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL, AND TO METAL BUILDING FRAME (CEC 250-104). PROVIDE BONDING CONDUCTOR BETWEEN THE BUILDING FRAME AND THE STEEL RAMPS. IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL CONDUCTOR GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10 FEET INTO THE SOIL IF AVAILABLE (CEC 250-90 THROUGH 250-106).
 3. ALL MODULES OF METAL FRAME BUILDINGS AND RAMPS SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING).
 4. CHECK RESISTANCE TO GROUND. 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).
 5. SEE SPECIFICATIONS FOR TESTING OF GROUNDING REQUIRED.
 6. STEEL RAMPS AND OTHER METAL COMPONENTS ATTACHED TO PORTABLE BUILDING(S) SHALL BE BONDED TO THE BUILDING FRAME.
 7. ALL ELECTRICAL WORK TO MEET THE REQUIREMENTS OF THE STATE ELECTRICAL CODES, PART 3 OF TITLE 24, CAC, WHICH REQUIRES PROPER GROUNDING OF ALL ELECTRICAL CIRCUITS, EQUIPMENT, ETC. FOR PUBLIC SCHOOL BUILDING(S), REGARDLESS OF THE TYPE OF CONSTRUCTION.
 8. METAL MODULAR BUILDINGS. WHEN METAL BUILDINGS ARE MADE OF COMPONENTS, EACH BUILDING COMPONENT, INCLUDING STEEL RAMPS, MUST BE ELECTRICALLY BONDED TOGETHER IN A MANNER ACCEPTABLE TO OSAS/SS. PAINT ON THE SURFACE WILL INHIBIT PASSAGE OF ELECTRICAL CURRENT; THEREFORE, BOLTED CONNECTIONS OF COMPONENT PARTS ARE NOT AN ACCEPTABLE ELECTRICAL BOND.
 9. METAL MODULAR BUILDINGS. IN METAL FRAME MODULAR BUILDINGS, THE ELECTRICAL SYSTEM MUST BE GROUNDED AS REQUIRED IN TITLE 24, CAC.
 10. GROUNDING. THE ELECTRICAL CIRCUITS ARE USUALLY PROPERLY GROUNDED. HOWEVER, IT IS ALSO NECESSARY TO INDEPENDENTLY GROUND THE STEEL FRAMES. THIS IS PARTICULARLY IMPORTANT WHEN THE BUILDING IS SUPPORTED ON A FOUNDATION MADE OF WOOD.
- ALL BUILDING COMPONENTS MUST BE ELECTRICALLY BONDED TOGETHER AND MUST BE INDEPENDENTLY GROUNDED. ALL GROUNDING SYSTEMS ARE TO BE TESTED WITH A MEGGER UNIT OR IN AN OTHERWISE ACCEPTABLE MANNER REFER TO SECTIONS 250-90 THROUGH 250-106, CALIFORNIA ELECTRICAL CODE, FOR SPECIFIC GROUNDING REQUIREMENTS. TESTING SHALL BE WITNESSED BY PROJECT INSPECTOR. SUBMIT A COPY OF THE REPORT TO THE ARCHITECT.

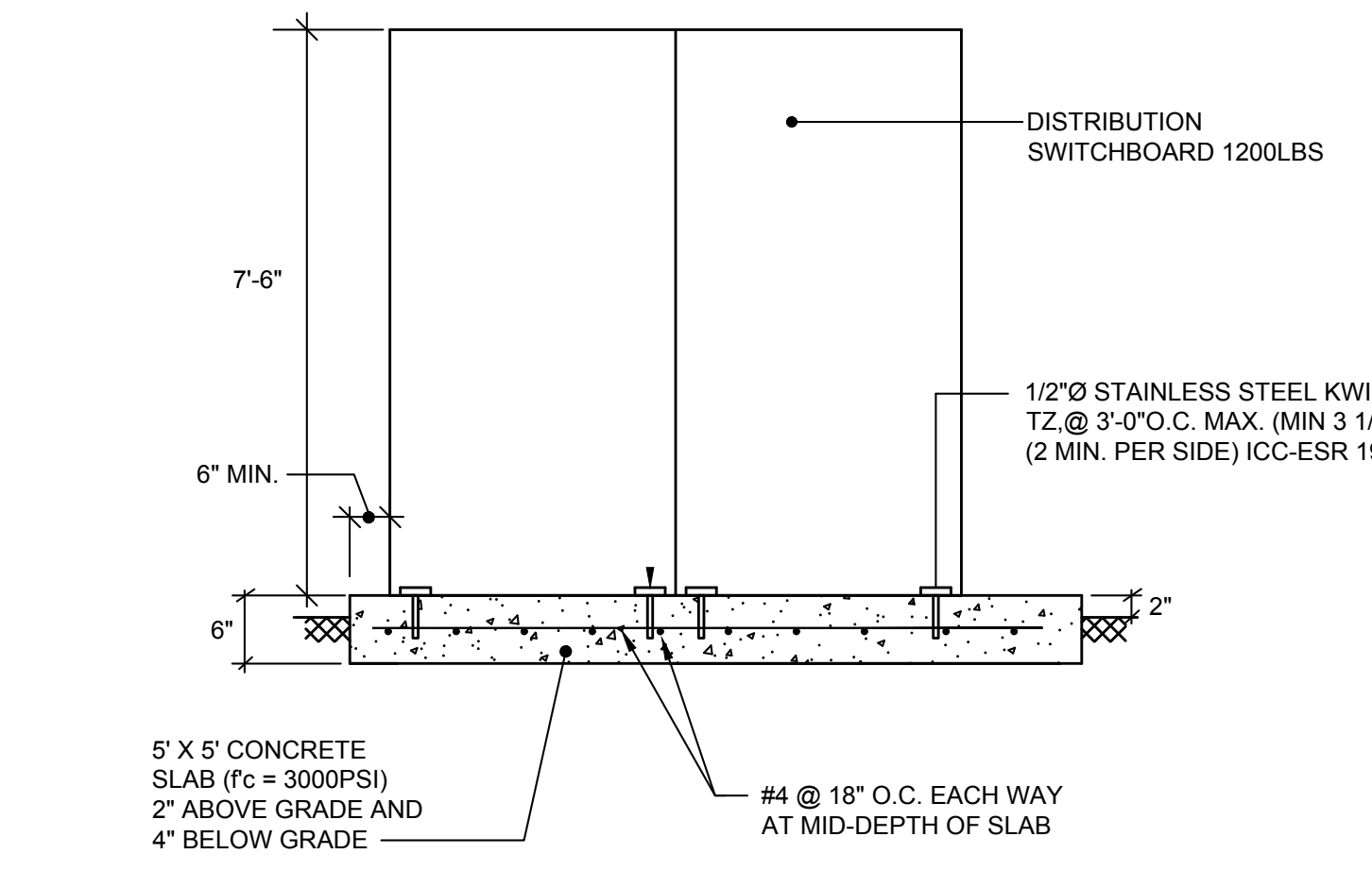
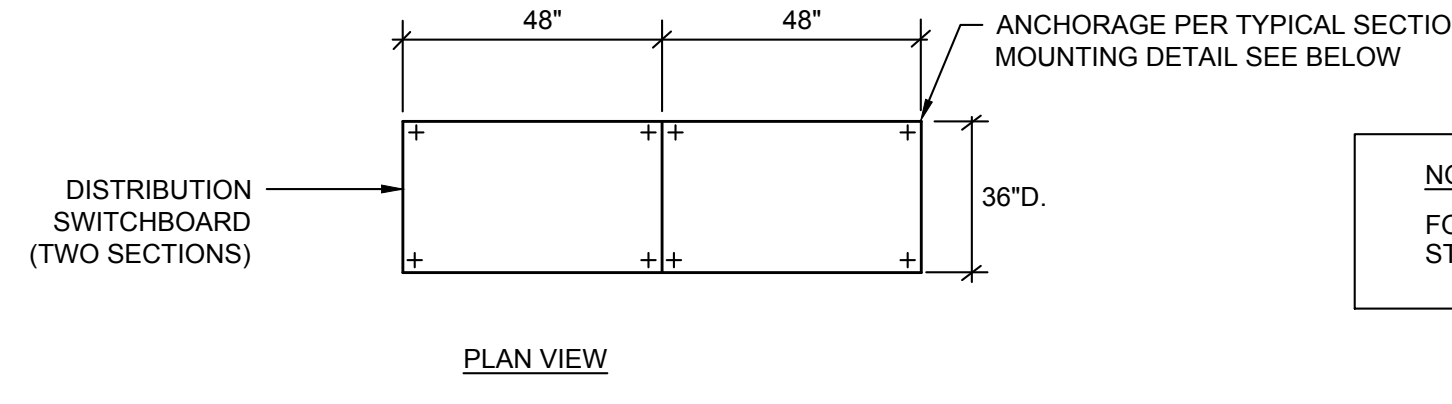
MODULAR BUILDING GROUND DETAIL SCALE: NTS C

CHEMICAL GROUND ROD DETAIL SCALE: NONE I



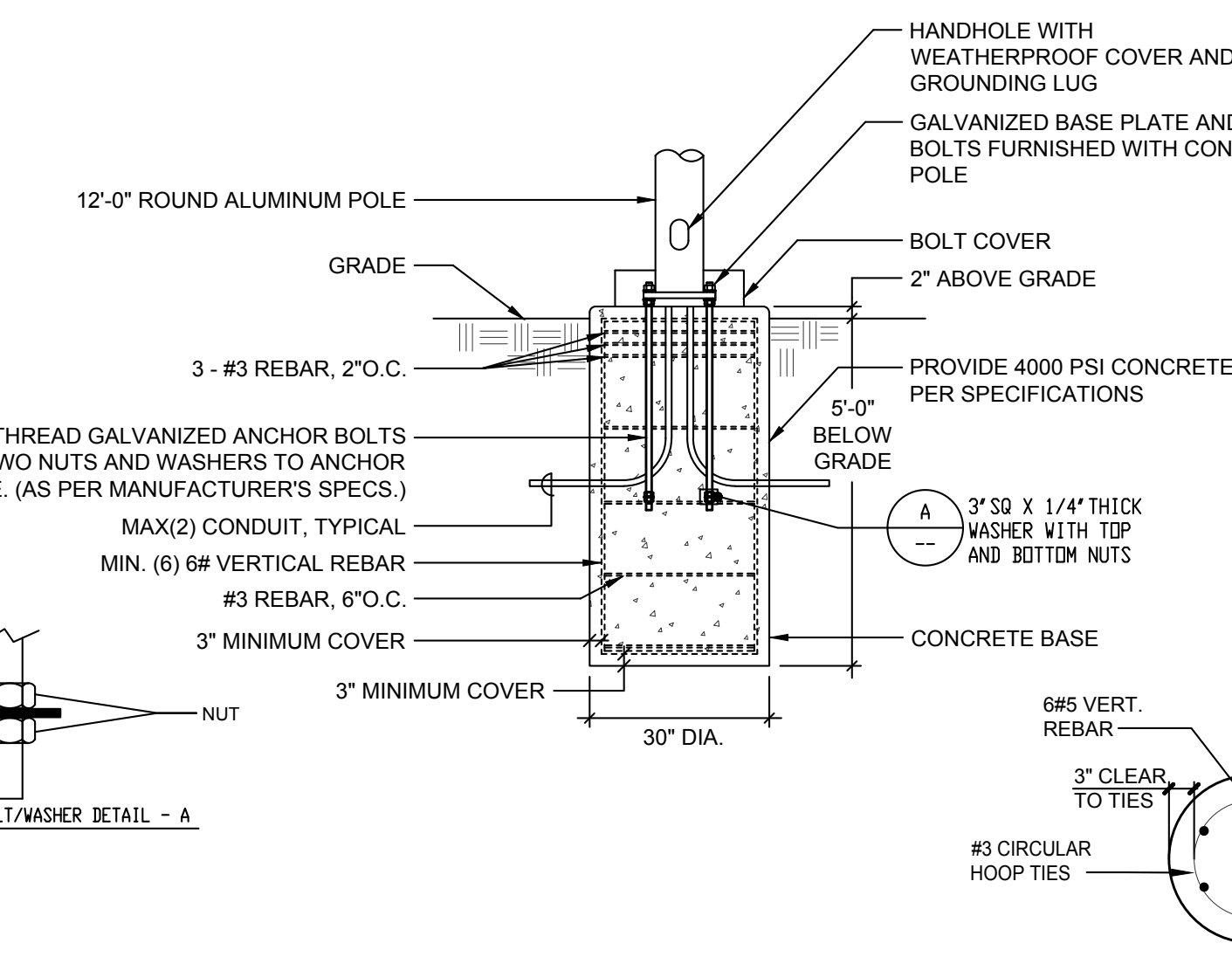
- DUCT BANK NOTES:**
1. NATIVE SOIL BACK FILL
 2. 3" WIDE WARNING TAPE LOCATED 12" BELOW GRADE. TAPE SHALL INDICATE: CAUTION BURIED ELECTRICAL CONDUIT.
 3. 3" BETWEEN IDENTICAL SYSTEM CONDUITS OR 24" BETWEEN DIFFERENT SYSTEM CONDUITS.
 4. DAMP SAND BACK FILL TO WITHIN 12" OF FINISH GRADE.
 5. 6" BED OF DAMP SAND.
 6. 36" IN TRAFFIC AREAS, 24" IN NON-TRAFFIC AREAS.
 7. CONCRETE ENCASUREMENT.
 8. 3" MINIMUM COVERAGE.
 9. REFER TO PLANS FOR CONDUITS SIZE AND QUANTITIES.

ELECTRICAL CONDUIT DUCT BANK DETAIL SCALE: NTS E



DISTRIBUTION SWITCHBOARD ANCHORAGE DETAIL SCALE: NTS B

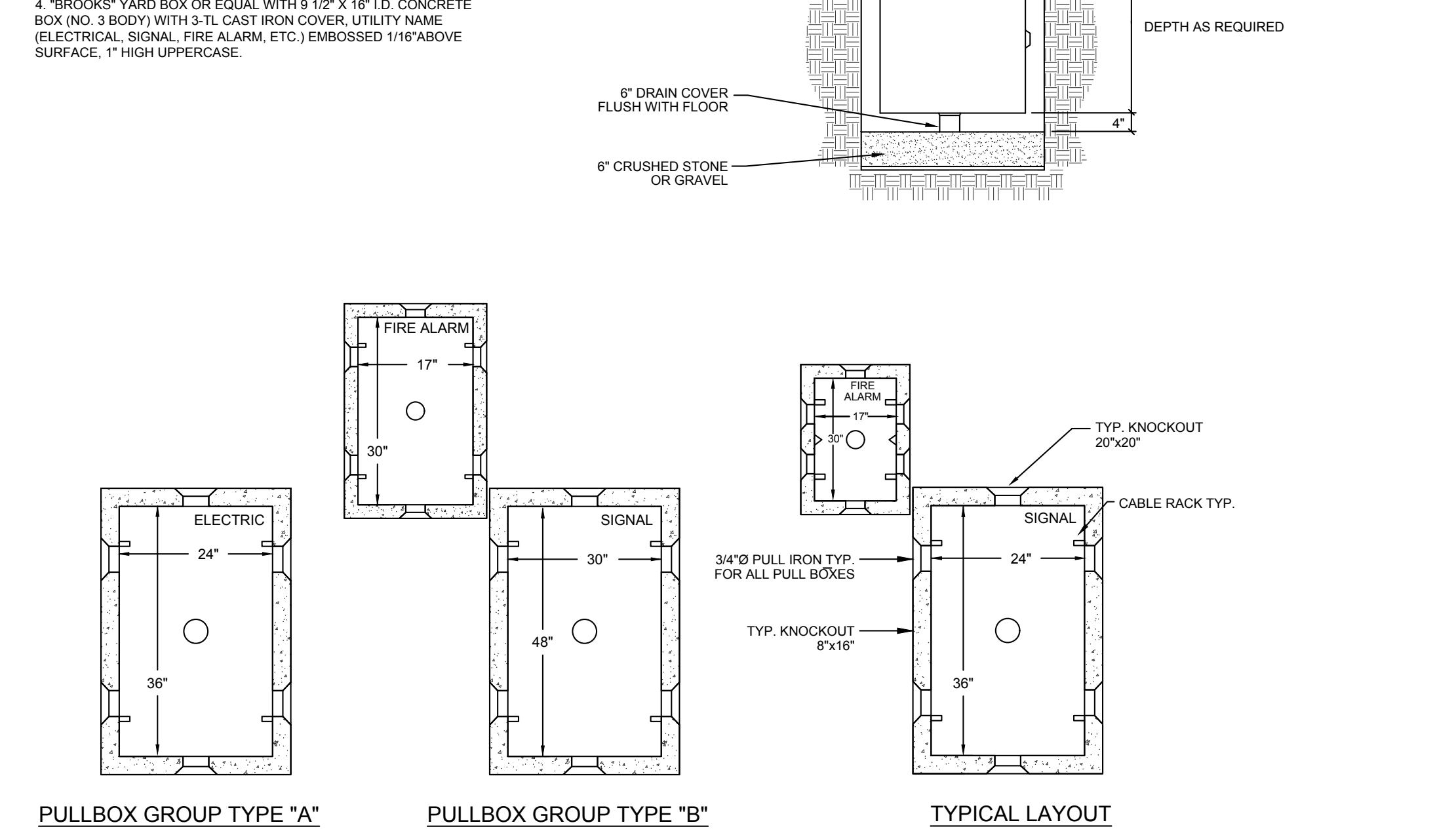
COURTYARD OUTLET PEDESTAL DETAIL SCALE: NONE H



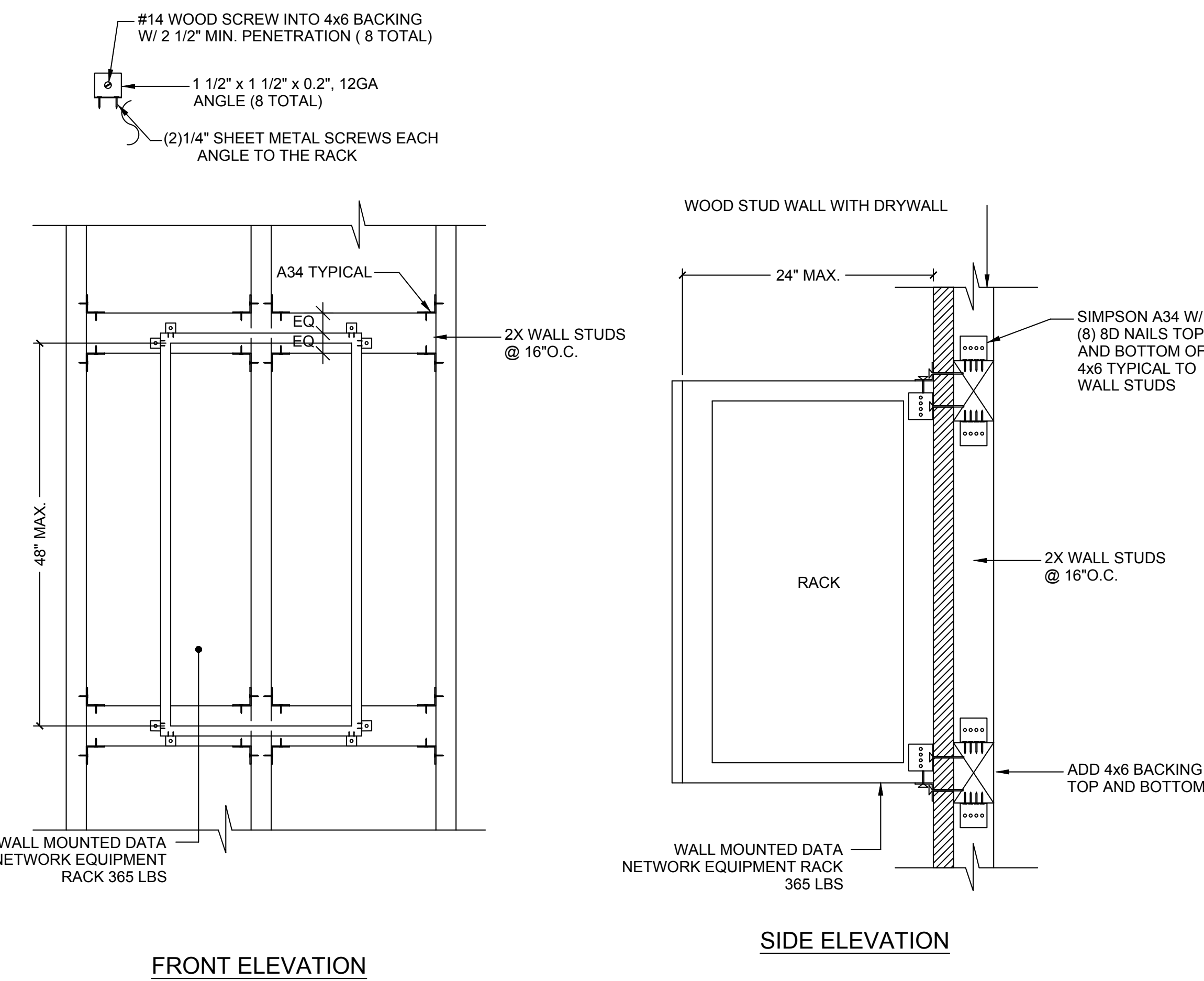
LIGHTING POLES LESS THAN 35 FEET ABOVE GRADE ARE NOT CONSIDERED TO BE PART OF THE SCHOOL BUILDING BUT MAY BE INCLUDED IN THE PLANS AND SPECIFICATIONS. PER 2019 CBC 4-314 DEFINITIONS: SCHOOL BUILDINGS (PAGE 35); THEREFORE LIGHTING POLES AND FOOTINGS LESS THAN 35 FEET ARE NOT PART OF DSA REVIEW

WALKWAY POLE BASE DETAIL SCALE: N.T.S. G

- DETAIL NOTES:**
1. IN THE PRECAST CONCRETE PULL BOXES FURNISH AND INSTALL CABLE RACKS ON WALLS INDICATED. EACH RACK SHALL BE EQUIPPED WITH THREE PORCELAIN CABLE HOLDERS ON A VERTICAL STEEL MOUNTING BAR. BOLT HOLES SHALL BE PRE-CAST. STAINLESS STEEL. FLAT HEAD SCREWS AND SELF-CLEANING HOLES. LOOP ALL CABLES AROUND THE LONGEST LENGTH IN THE PULL BOX.
 2. PROVIDE NON-SLIP COATING ON COVER.
 3. ALL METAL PARTS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION.
 4. "BROOKS" YARD BOX OR EQUAL WITH 9 1/2" X 16" I.D. CONCRETE BOX (NO. 3 BODY) WITH 3-TL CAST IRON COVER, UTILITY NAME (ELECTRICAL, SIGNAL, FIRE ALARM, ETC.) EMBOSSED 1/16" ABOVE SURFACE, 1" HIGH UPPERCASE.



PRECAST CONCRETE PULLBOX DETAIL SCALE: NTS D



TYPICAL WALL MOUNTED DATA EQUIPMENT RACK SCALE: NTS A

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-121419 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 09/29/2021

AR 03 -
 DIVISION OF THE STATE ARCHITECT
 355 S. GRAND AVE. SUITE 2100
 LOS ANGELES, CA 90071
 ph: 213.897.3995 fx: 213.897.3159/0726 agency

tBP architecture
 planning
 interiors

tBP/Architecture
 4811 Teller Avenue
 Newport Beach, CA 92660
 ph: 949.673.0300

FBA Engineering
 Consulting Electrical Engineers
 159 Palomares Avenue Suite A120
 Costa Mesa, CA 92626
 949.852.2665 • 949.852.1657 (fax)
 fbengr.com
 FBA Job Number: 212.277

REGISTERED PROFESSIONAL ELECTRICAL ENGINEER
 STATE OF CALIFORNIA
 No. 10372
 Exp. 09-30-22
 consultant

MONTE VISTA ELEMENTARY SCHOOL
2-STORY MODULAR CLASSROOM BUILDING

owner

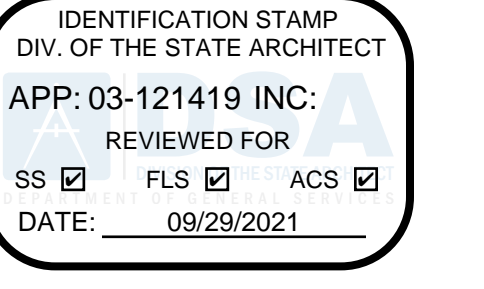
GLENDALE UNIFIED SCHOOL DISTRICT
 2620 ORANGE AVENUE
 LA CRESCENTA - MONTEROSE, CALIFORNIA 91214

tBP project number : 21066.00

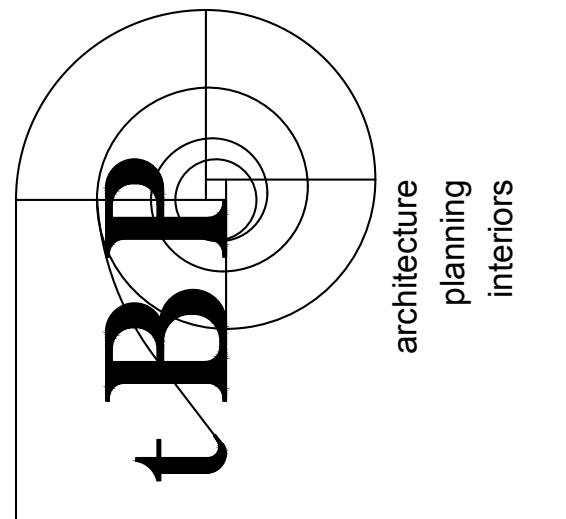
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 drawn by: checked by:
 date: DECEMBER 28, 2020
 Rev. date: description:

drawing title:
ELECTRICAL DETAILS

drawing no.:
E0-3
 drawing of

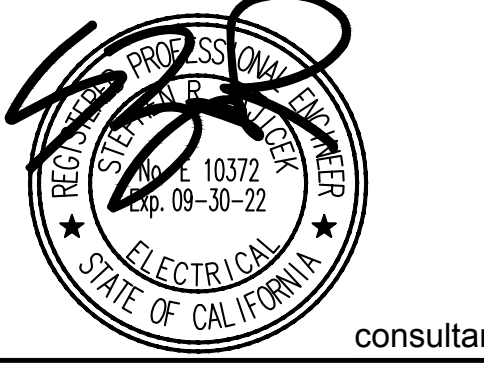
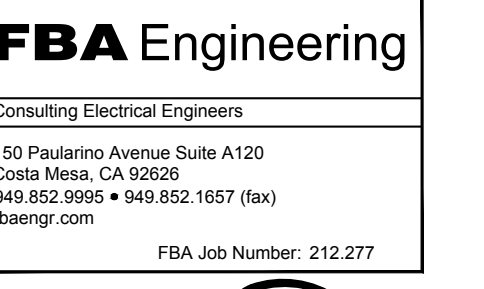


Division of the State Architect
355 S. GRAND AVE. SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159/0726



tBP/Architecture
4811 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300

architect



consultant

MONTE VISTA ELEMENTARY SCHOOL
2-STORY MODULAR CLASSROOM BUILDING
GLENDALE UNIFIED SCHOOL DISTRICT
2620 ORANGE AVENUE
LA CRESCENTA - MONTROSE, CALIFORNIA 91214
owner

tBP project number : 21666.00
file name:
drawn by: checked by:
date: DECEMBER 28, 2020
Rev. date: description:

drawing title:
TITLE 24 OUTDOOR LIGHTING FORMS
drawing no.:
E0-4
drawing of

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STATE OF CALIFORNIA
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: MONTE VISTA ELEMENTARY SCHOOL 2-STORY CLASSROOM BUILDING
Project Address: 2620 ORANGE AVENUE
Date Prepared: 8/16/2021

STATE OF CALIFORNIA
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
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STATE OF CALIFORNIA
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Project Address: 2620 ORANGE AVENUE
Date Prepared: 8/16/2021

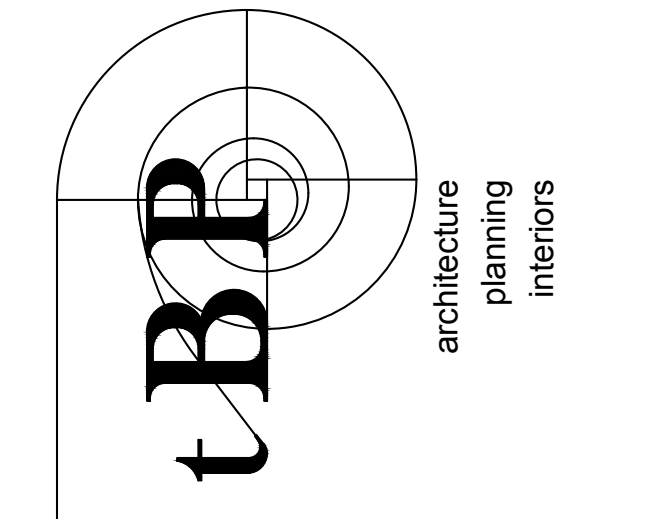
STATE OF CALIFORNIA
Outdoor Lighting
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Project Name: MONTE VISTA ELEMENTARY SCHOOL 2-STORY CLASSROOM BUILDING
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STATE OF CALIFORNIA
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STATE OF CALIFORNIA
Outdoor Lighting
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Project Name: MONTE VISTA ELEMENTARY SCHOOL 2-STORY CLASSROOM BUILDING
Project Address: 2620 ORANGE AVENUE
Date Prepared: 8/16/2021

FBA Engineering / Plot Date: 8/17/2021 9:00 AM / Drawing Location: I:\212027\ED-4_Tile 24 Outdoor Lighting Forms.dwg



tBP/Architecture
4811 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300

architect

FBA Engineering
Consulting Electrical Engineers
150 Paularino Avenue Suite A120
Costa Mesa, CA 92626
949.852.9995 • 949.852.1657 (fax)
fbeng.com
FBA AB Number: 212.277



consultant

MONTE VISTA ELEMENTARY SCHOOL
2-STORY MODULAR CLASSROOM BUILDING
owner

GLENDALE UNIFIED SCHOOL DISTRICT
2620 ORANGE AVENUE
LA CRESCENTA - MONTROSE, CALIFORNIA 91214

owner

tBP project number : 21066.00
file name:
drawn by: checked by:
date: DECEMBER 28, 2020
Rev. date: description:

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drawing title:
TITLE 24 POWER DISTRIBUTION FORMS

drawing no.:
E0-5
drawing of

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E CALIFORNIA ENERGY COMMISSION NRCC-ELC-E

CERTIFICATE OF COMPLIANCE
This document is used to demonstrate compliance with mandatory requirements in §130.5, for electrical systems in newly constructed nonresidential, high-rise residential and hotel/motel occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §141.0(a) or §141.0(b)(2) for alterations.

Project Name: MONTE VISTA ELEMENTARY SCHOOL 2-STORY CLASSROOM BUILDING (Page 1 of 4)
Project Address: 2620 ORANGE AVENUE (Date Prepared: 8/16/2021)

A. GENERAL INFORMATION
01 Project Location (city) LA CRESCENTA-MONTROSE 02 Occupancy Types Within Project:
 Office Retail Warehouse Hotel/Motel School Support Areas
 Parking Garage High-Rise Residential Relocatable Healthcare Facilities Other (write in) See Table I

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

01	02	03	04	05
Electrical Service Designation/Description	Scope of Work ¹	Rating (kVA)	Utility Provided Metering System Exception to §130.5(a) ²	System subject to CA Elec Code Article 517 Exception to §130.5(a)(b)
EXISTING SERVICE	New electrical service equipment and meter	126	<input type="checkbox"/>	<input type="checkbox"/>
06	Demand Response Controls	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §120.2, §130.1 and §130.3 and compliance documents NRCC-MCH, NRCC-LTI and NRCC-LTS will indicate when demand response controls are required.		

¹ FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop §130.5(c), no other requirements from 130.5 are required.
² Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

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 "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01	02	03	04	05
Service Electrical Metering §130.5(a) (See Table F)	Separation for Monitoring §130.5(b) (See Table G)	Voltage Drop §130.5(c) (See Table H)	Controlled Receptacles §130.5(d) (See Table I)	
Yes	AND Yes	AND Yes	AND Yes	COMPLIES

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft Schema Version: rev 20190401
Report Generated: 2021-08-16 07:04:56

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E CALIFORNIA ENERGY COMMISSION NRCC-ELC-E

CERTIFICATE OF COMPLIANCE
Project Name: MONTE VISTA ELEMENTARY SCHOOL 2-STORY CLASSROOM BUILDING (Page 3 of 4)
Project Address: 2620 ORANGE AVENUE (Date Prepared: 8/16/2021)

H. VOLTAGE DROP
This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)(2)(ii).

01	02	03	04	05
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	Location of Voltage Drop Calculations ¹	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector
EXISTING SERVICE	<input checked="" type="checkbox"/> Voltage drop less than 5% <input type="checkbox"/> Permitted by CA Elec Code (Exception to §130.5(c)) ²	Contractor Responsible		Pass Fail

¹ NOTES: If "Permitted by CA Elec Code" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.
² FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if followed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES
This section does not apply to this project.

J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/

Yes	No	Form/Title	Field Inspector
<input type="checkbox"/>	<input type="checkbox"/>		Pass Fail
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-ELC-01-E - Must be submitted for all buildings	<input type="checkbox"/>

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
There are no Certificates of Acceptance applicable to electrical power distribution requirements.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft Schema Version: rev 20190401
Report Generated: 2021-08-16 07:04:56

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E CALIFORNIA ENERGY COMMISSION NRCC-ELC-E

CERTIFICATE OF COMPLIANCE
Project Name: MONTE VISTA ELEMENTARY SCHOOL 2-STORY CLASSROOM BUILDING (Page 2 of 4)
Project Address: 2620 ORANGE AVENUE (Date Prepared: 8/16/2021)

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.

F. SERVICE ELECTRICAL METERING
This table includes new or replacement electrical service systems OR equipment to demonstrate compliance with §130.5(a).

01	02	03 Required Metering Capabilities per Table 130.5-A			04	05	
Electrical Service Designation/Description	Rating (kVA)	Instantaneous Demand (kW)	Historical Peak Demand (kW)	Tracking kWh for user-defined period	kWh per rate period	Location of Requirements in Construction Documents	Field Inspector
EXISTING SERVICE	126	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Pass Fail

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING
This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(b). Any load types that are not included in the service do not need to be shown.

01	02	03	04	05
Load Type per Table 130.5-B ¹	Minimum Required Separation of Load per Table 130.5-B	Compliance Method ²	Location of Requirements in Construction Documents	Field Inspector
				Pass Fail

EXISTING SERVICE

¹ NOTES: If "Other" is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.
² FOOTNOTES: For each separate load type, up to 10% of the connected load may be of any type.
³ Method 1: Switchboards/ motor control centers/ panelboard loads disaggregated for each load type.
⁴ Method 2: Switchboards/ motor control centers/ panelboard supply other distribution equipment with loads disaggregated for each load type.
⁵ Method 3: Branch circuits serve load types individually and provisions for adding future branch circuit monitoring.
⁶ Method 4: Complete metering system measures and reports loads by type.
See Chapter 8 of the Nonresidential Compliance Manual for more detail on Compliance Methods.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Registration Date/Time: Report Version: 2019.1.003
Registration Provider: Energysoft Schema Version: rev 20190401
Report Generated: 2021-08-16 07:04:56

STATE OF CALIFORNIA
Electrical Power Distribution
NRCC-ELC-E CALIFORNIA ENERGY COMMISSION NRCC-ELC-E

CERTIFICATE OF COMPLIANCE
Project Name: MONTE VISTA ELEMENTARY SCHOOL 2-STORY CLASSROOM BUILDING (Page 4 of 4)
Project Address: 2620 ORANGE AVENUE (Date Prepared: 8/16/2021)

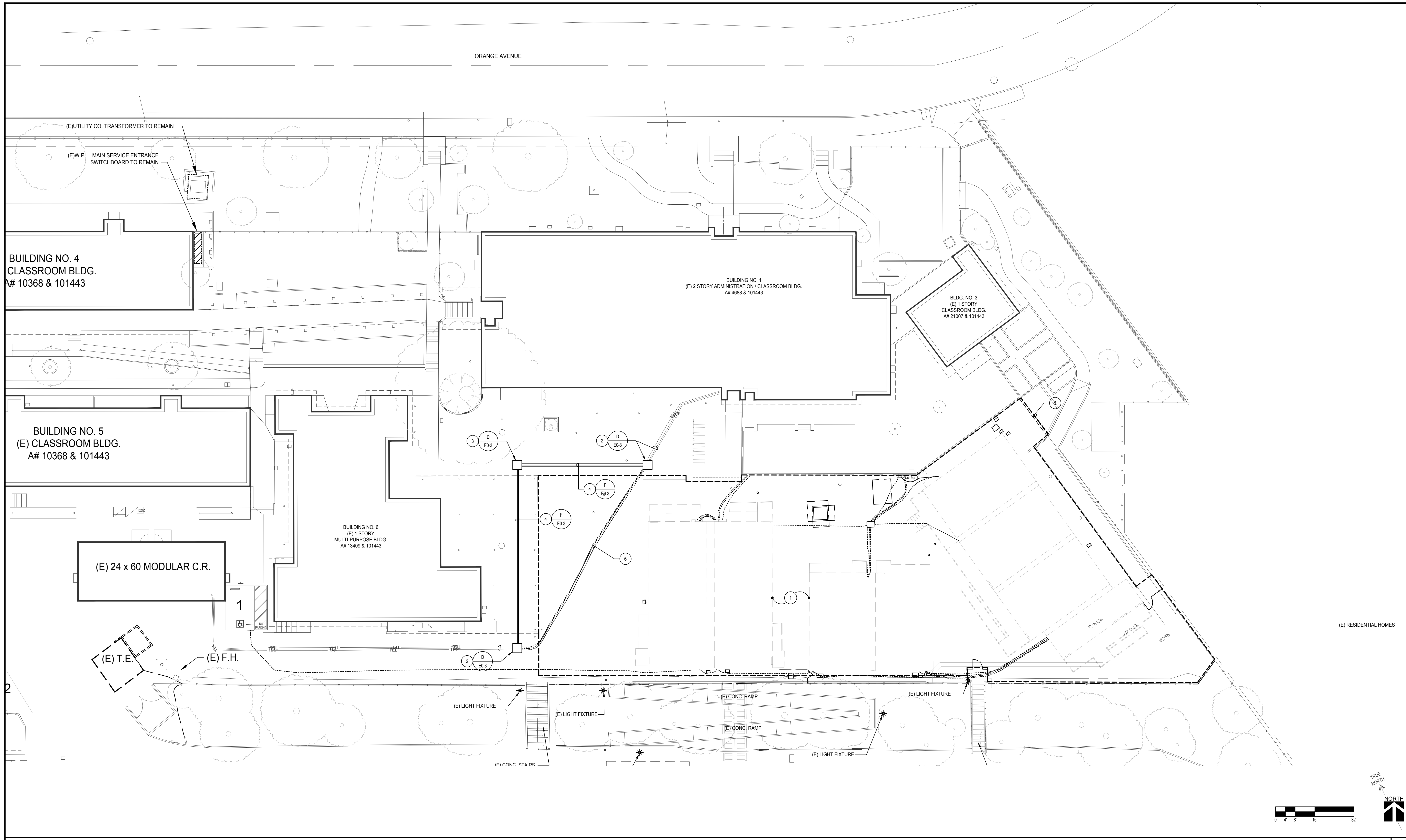
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Steve Zajicek
Signature: [Signature]
Date: 2021-08-16
Company: FBA Engineering
Address: 150 Paularino Avenue Suite A120, Costa Mesa, CA 92626
City/State/Zip: Costa Mesa, CA 92626
Phone: 949.852.9995

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design feature or system design feature identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the building owner is required to provide to the building owner at occupancy.

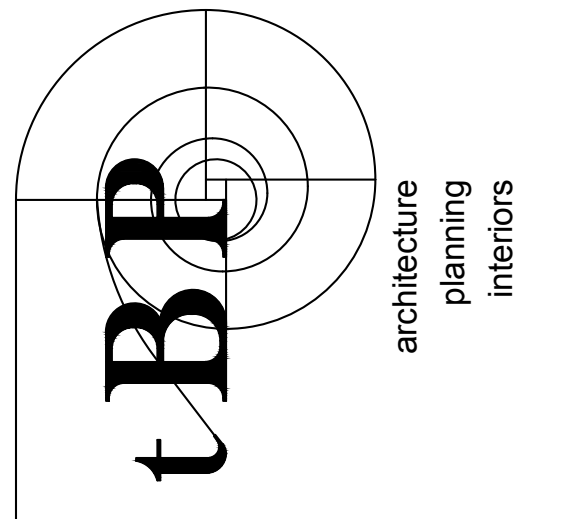
Responsible Designer Name: Stephen R. Zajicek, P.E.
Signature: [Signature]
Date Signed: 2021-08-16
Company: FBA Engineering
Address: 150 Paularino Ave., Suite A120, Costa Mesa, CA 92626
City/State/Zip: Costa Mesa, CA 92626
Phone: 949.852.9995

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
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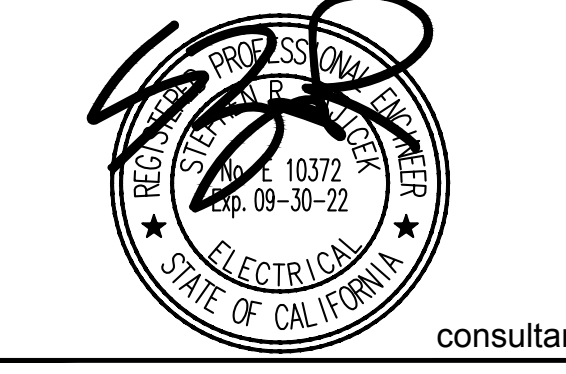
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 fbaweb.com FBA Ass Number: 212.277



MONTE VISTA ELEMENTARY SCHOOL
 2-STORY MODULAR CLASSROOM BUILDING
 GLENDALE UNIFIED SCHOOL DISTRICT
 2620 ORANGE AVENUE
 LA CRESCENTA - MONTEROSE, CALIFORNIA 91214
 owner

ENLARGED SITE ELECTRICAL PLAN 1
 SCALE: 1/16" = 1'-0"

SITE PERFORMANCE NOTES

- ELECTRICAL CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC., AND TO PREVENT HAZARD TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY THIS OR ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DISTRICT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
- REFER TO CIVIL ENGINEER'S GRADING PLANS FOR NEW GRADES. AT ALL EXISTING TO REMAIN PULLBOXES/VAULTS, ADJUST HEIGHT OF PULLBOX/VAULT COVER TO BE FLUSH WITH NEW GRADE OR FINISHED SURFACE. PROVIDE ADDITIONAL NECKING TO COMPLY WITH THIS PROVISION.
- ALL NEW AND EXISTING PULLBOX/VAULT COVERS INDICATED ON THESE PLANS, SHALL HAVE A NON-SLIP COATING, JENSEN "TRAX PLATE" OR EQUIVALENT.
- ALL NEW ELECTRICAL/COMMUNICATIONS DUCT BANKS SHALL BE INSTALLED 24" MIN. BELOW FINISH GRADE.
- ALL NEW AND EXISTING CONDUIT CABLING AND CONDUCTOR RUNS ARE SHOWN DIAGRAMMATICALLY. CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS AND PROVIDE ALL CABLING/CONDUCTORS OF SUFFICIENT LENGTH TO MAINTAIN CONTINUITY OF SYSTEMS.

DEMOLITION PERFORMANCE NOTES

- REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR DEMOLITION AREAS. THE SCOPE OF THE DEMOLITION WORK SHALL INCLUDE ALL LABOR, MATERIALS, SERVICES AND EQUIPMENT REQUIRED FOR THE REMOVAL OF ALL EXISTING ELECTRICAL WITHIN THE OVER EX AREA TO BE REMOVED. THIS WORK INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:
 - ALL EXISTING WIRE SHALL BE REMOVED FROM CONDUIT.
 - ALL EXISTING CONDUIT, THAT INTERFERES WITH ANY NEW CONSTRUCTION SHALL BE CUT BACK AS REQUIRED TO CLEAR NEW CONSTRUCTION.
 - FOR EXISTING CONSTRUCTION THAT IS TO BE REMOVED, REMOVE ALL EXISTING EXPOSED, SURFACE, AND CONCEALED CONDUIT AND RACEWAYS. RECONNECT OUTLETS AND LIGHTING FIXTURES THAT REMAIN AND WHICH ARE NOW FED THROUGH THE OUTLETS TO BE REMOVED.
 - ALL REMOVED MATERIALS AND EQUIPMENT WHICH IN THE OPINION OF THE OWNER'S REPRESENTATIVE ARE SALVAGEABLE, SHALL REMAIN THE PROPERTY OF OWNER. DELIVER SUCH SALVAGED MATERIALS AND EQUIPMENT ON AND PROTECT FROM DAMAGE.
 - DO NOT REUSE SALVAGED MATERIALS AND EQUIPMENT, UNLESS SPECIFICALLY INDICATED ON PLANS OR SPECIFIED. REMOVE FROM PREMISES AND DISPOSE OF ALL MATERIALS CONSIDERED BY ARCHITECT TO BE SCRAP.

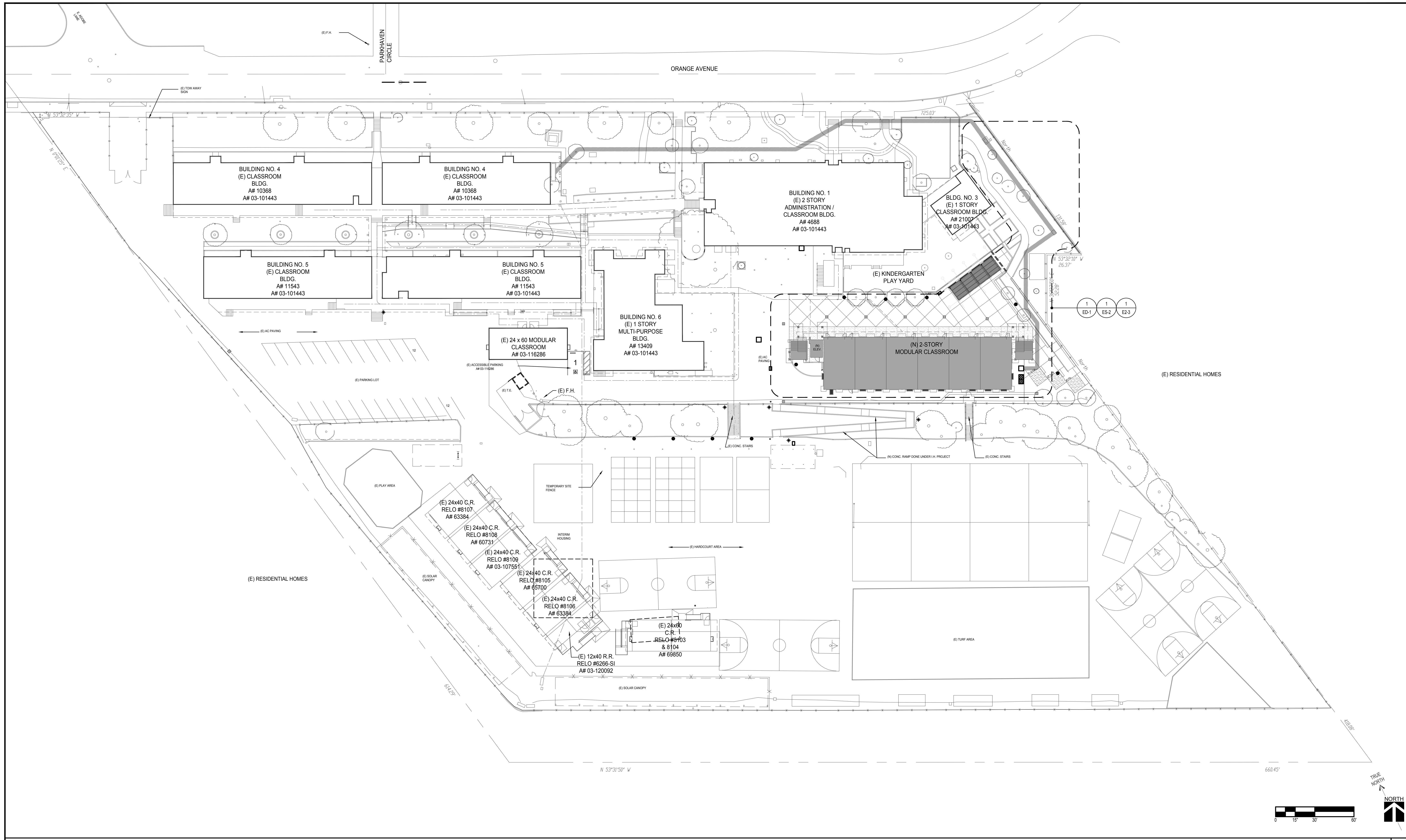
DEMOLITION PLAN NOTES

- ALL EXISTING PULLBOXES, CONDUIT, WIRING AND CABLING FEEDING THE ELECTRICAL AND SIGNAL SYSTEMS TO THE PORTABLE BUILDINGS, REMOVED AND RELOCATED IN THE INTERIM HOUSING PHASE, SHALL BE REMOVED TO OUTSIDE THE EXCAVATION ZONE. REMOVE ALL WIRING AND CABLING BACK TO THE SOURCE.
- INTERCEPT THE FOLLOWING SIGNAL SYSTEMS CONDUITS AND CABLES:
 - 2" CONDUIT (FIBER OPTIC/DATA)
 - 2" CONDUIT (TELECOM/PUBLIC ADDRESS)
 - 1" CONDUIT (CLOCK)
 - 1" CONDUIT (FIRE ALARM)
 - 1" CONDUIT (INTRUSION DETECTION)
 - 1" CONDUIT (TELEVISION)
 PROVIDE AND INSTALL INTERCEPT TYPE CONCRETE PULLBOXES WITH TRAFFIC RATED COVERS. ENGRAVE COVERS WITH SPECIFIED SYSTEM LABELS: 2'-6" X 4'-0" X 3'-0" FIBER/TELECOM/CLOCK/INTRUSION DETECTION/TELEVISION, 17" X 30" X 36" FOR FIRE ALARM. CONTRACTOR SHALL FIELD VERIFY THE QUANTITY, TYPE AND SIZE OF CONDUITS AND CABLES.
- PROVIDE AND INSTALL NEW CONCRETE PULLBOXES WITH TRAFFIC RATED COVERS. ENGRAVE COVERS WITH SPECIFIED SYSTEM LABELS: 2'-6" X 4'-0" X 3'-0" FIBER/TELECOM/CLOCK/INTRUSION DETECTION/TELEVISION, 17" X 30" X 36" FOR FIRE ALARM.

DEMOLITION PLAN NOTES

- PROVIDE THE FOLLOWING UNDERGROUND SIGNAL SYSTEMS CONDUIT WITH SPECIFIED SYSTEMS:
 - 2" CONDUIT (FIBER OPTIC/DATA)
 - 2" CONDUIT (TELECOM/PUBLIC ADDRESS)
 - 1" CONDUIT (CLOCK)
 - 1" CONDUIT (FIRE ALARM)
 - 1" CONDUIT (INTRUSION DETECTION)
 - 1" CONDUIT (TELEVISION)
 PROVIDE AND INSTALL NEW CABLING FOR THE ENTIRE RUN. FIELD VERIFY EXACT QUANTITY, TYPE AND SIZE OF CABLES.
- OUTLINE OF THE EXCAVATION ZONE.
- REMOVE THE FOLLOWING UNDERGROUND SIGNAL SYSTEMS CONDUITS FROM THE EXCAVATION ZONE:
 - 2" CONDUIT (FIBER OPTIC/DATA)
 - 2" CONDUIT (TELECOM/PUBLIC ADDRESS)
 - 1" CONDUIT (CLOCK)
 - 1" CONDUIT (FIRE ALARM)
 - 1" CONDUIT (INTRUSION DETECTION)
 - 1" CONDUIT (TELEVISION)
 CONTRACTOR SHALL FIELD VERIFY THE QUANTITY AND SIZE OF CONDUITS TO BE REMOVED.

tBP project number : 21666.00
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 drawn by: checked by:
 date: DECEMBER 28, 2020
 Rev. date: description:
 drawing title:
ENLARGED SITE DEMOLITION PLAN
 drawing no.:
ED-1
 drawing of



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

PERFORMANCE NOTES	
1.	ELECTRICAL CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC., AND TO PREVENT HAZARD TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY THIS OR ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DISTRICT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
2.	REFER TO CIVIL ENGINEER'S GRADING PLANS FOR NEW GRADES. AT ALL EXISTING TO REMAIN PULLBOXES/VAULTS, ADJUST HEIGHT OF PULLBOX/VAULT COVER TO BE FLUSH WITH NEW GRADE OR FINISHED SURFACE. PROVIDE ADDITIONAL NECKING TO COMPLY WITH THIS PROVISION.
3.	ALL NEW AND EXISTING PULLBOX/VAULT COVERS INDICATED ON THESE PLANS, SHALL HAVE A NON-SLIP COATING, JENSEN "TRAX PLATE" OR EQUIVALENT.
4.	ALL NEW ELECTRICAL/COMMUNICATIONS DUCT BANKS SHALL BE INSTALLED 24" MIN. BELOW FINISH GRADE.
5.	ALL NEW AND EXISTING CONDUIT CABLING AND CONDUCTOR RUNS ARE SHOWN DIAGRAMMATICALLY. CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS AND PROVIDE ALL CABLING/CONDUCTORS OF SUFFICIENT LENGTH TO MAINTAIN CONTINUITY OF SYSTEMS.

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DATE: 09/29/2021

AP# 03 -
DIVISION OF THE STATE ARCHITECT
355 S. GRAND AVE. SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159/0726

tBP
architecture
planning
interiors

tBP/Architecture
4811 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300

architect

FBA Engineering
Consulting Electrical Engineers

159 Palomares Avenue Suite A120
Costa Mesa, CA 92626
949.852.9955 • 949.852.1657 (fax)
fbengr.com

FBA Job Number: 212.277

REGISTERED PROFESSIONAL ELECTRICAL ENGINEER
STATE OF CALIFORNIA
10372
Exp. 03-30-22

consultant

**MONTE VISTA ELEMENTARY SCHOOL
2-STORY MODULAR CLASSROOM BUILDING**

owner

GLENDALE UNIFIED SCHOOL DISTRICT
2620 ORANGE AVENUE
LA CRESCENTA - MONTROSE, CALIFORNIA 91214

owner

tBP project number : 2166.00

file name:

drawn by: checked by:

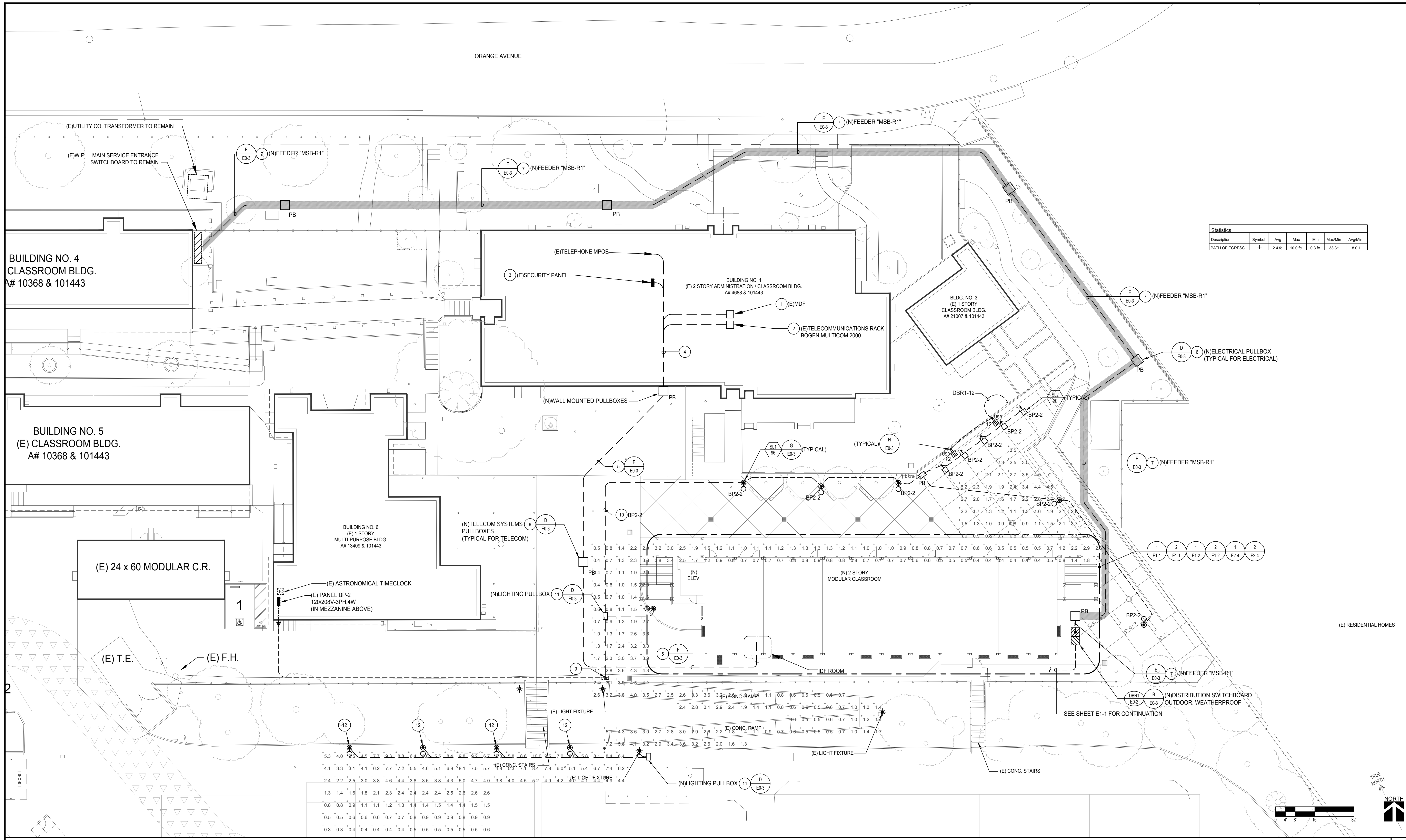
date: DECEMBER 28, 2020

Rev. date: description:

drawing title:
**OVERALL SITE
ELECTRICAL PLAN**

drawing no.:
ES-1
drawing of

FBA Engineering / Plot Date: 9/17/2021 9:01 AM / Plotted by: Don Fleischman / Drawing Location: I:\212027\ES-1_Overall Site Electrical Plan.dwg



Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
PATH OF EGRESS	+	2.4	10.0	0.3	33.31	8.01

ENLARGED SITE ELECTRICAL PLAN 1
SCALE: 1/16" = 1'-0"

KEY NOTES

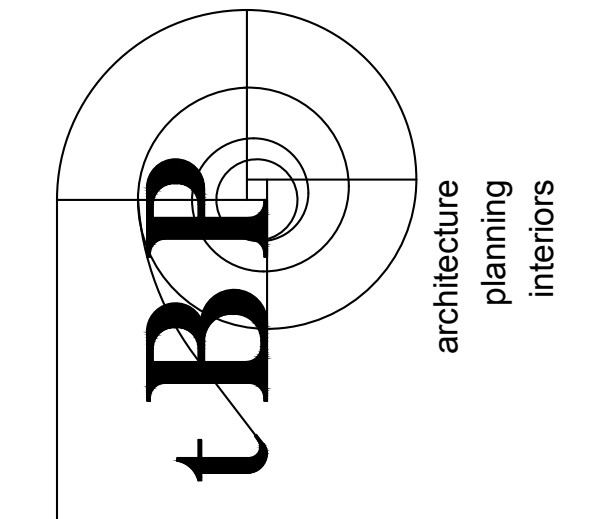
- 1 EXISTING MDF TO BE MODIFIED TO ACCOMMODATE THE NEW CONSTRUCTION.
- 2 EXISTING INTEGRATED COMMUNICATIONS RACK TO BE MODIFIED TO ACCOMMODATE THE NEW CONSTRUCTION. PROVIDE ALL COMPONENTS AND PROGRAMMING FOR A COMPLETE INSTALLATION.
- 3 EXISTING SECURITY PANEL.
- 4 PROVIDE THE FOLLOWING TELECOMMUNICATIONS CONDUITS AS SPECIFIED:
(1) 3" CONDUIT FIBER/COMPUTER/DATA
(1) 3" CONDUIT PUBLIC ADDRESS/PAGING/CLOCK
(1) 2" CONDUIT TELEPHONE
(1) 2" CONDUIT INTRUSION DETECTION
(2) 2" CONDUIT SPARE
ROUTE CONDUITS CONCEALED IN CEILING SPACE OF EXISTING BUILDING. ROUTE CONDUITS TO AVOID EXISTING OBSTACLES.
- 5 PROVIDE THE FOLLOWING UNDERGROUND TELECOMMUNICATIONS CONDUITS AS SPECIFIED:
(1) 3" CONDUIT FIBER/COMPUTER/DATA
(1) 3" CONDUIT PUBLIC ADDRESS/PAGING/CLOCK
(1) 2" CONDUIT TELEPHONE
(1) 2" CONDUIT INTRUSION DETECTION
(2) 2" CONDUIT SPARE
- 6 PROVIDE 24" X 36" X 48" DEEP PRECAST CONCRETE PULLBOX WITH BOLT DOWN TRAFFIC RATED COVER. ENGRAVE COVER TO READ "ELECTRIC".
- 7 REFER TO SINGLE LINE DIAGRAM FOR FEEDER REQUIREMENTS.
- 8 PROVIDE 2'-6" X 4'-0" X 3'-0" DEEP PRECAST CONCRETE PULLBOX WITH BOLT DOWN TRAFFIC RATED COVER. ENGRAVE COVER TO READ "TELECOM".
- 9 INTERCEPT EXISTING LIGHTING BRANCH CIRCUIT FOR EXISTING RAMP LIGHTING. IN EXISTING LIGHTING PULLBOX, AND EXTEND TO NEW LIGHTING AS INDICATED. LIGHTING CIRCUIT IS CONTROLLED VIA ASTROMONIC TIMECLOCK NEXT TO PANEL.
- 10 PROVIDE 2#10, 1#10GRD - 1" CONDUIT FOR THE ENTIRE RUN. ROUTE CONDUIT UNDERGROUND.
- 11 PROVIDE 2'-6" X 4'-0" X 3'-0" DEEP PRECAST CONCRETE PULLBOX WITH BOLT DOWN TRAFFIC RATED COVER. ENGRAVE COVER TO READ "LIGHTING".
- 12 INTERCEPT AND EXTEND EXISTING LIGHTING WIRING AND CONTROLS TO NEW LIGHT FIXTURES INDICATED.

PERFORMANCE NOTES

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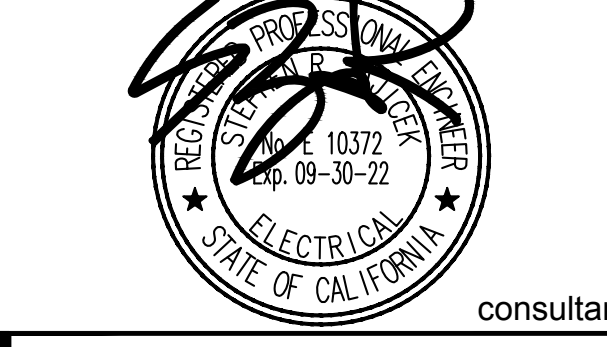
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LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159/0726
agency



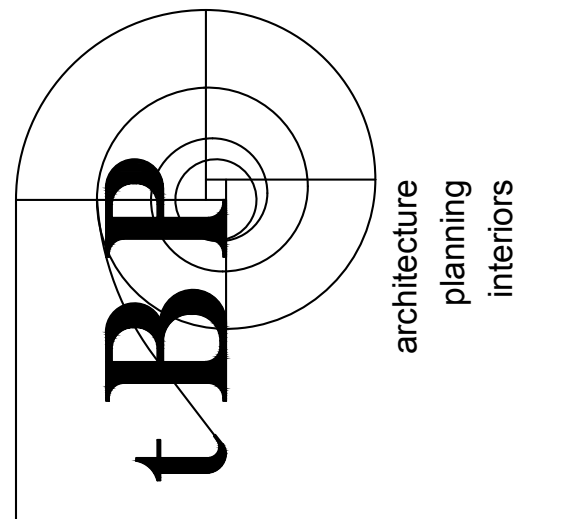
tBP/Architecture
4811 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300
architect

FBA Engineering
Consulting Electrical Engineers
159 Palmdale Avenue Suite A120
Costa Mesa, CA 92626
949.852.9995 • 949.852.1657 (fax)
fbaeng.com
FBA AR Number: 212.277



consultant
MONTE VISTA ELEMENTARY SCHOOL BUILDING
2-STORY MODULAR CLASSROOM BUILDING
owner
GLENDALE UNIFIED SCHOOL DISTRICT
2620 ORANGE AVENUE
LA CRESCENTA - MONTEROSE, CALIFORNIA 91214

tBP project number : 21666.00
file name:
drawn by: checked by:
date: DECEMBER 28, 2020
Rev. date: description:
drawing title:
ENLARGED SITE ELECTRICAL PLAN
drawing no.:
ES-2
drawing of

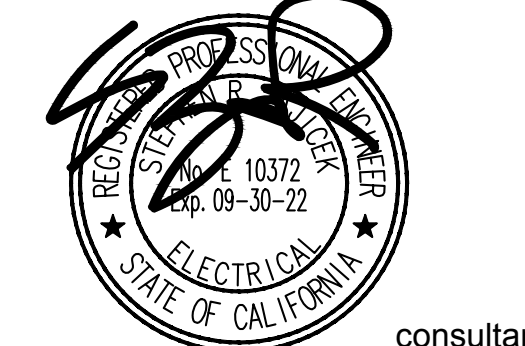


tBP/Architecture
 4811 Teller Avenue
 Newport Beach, CA 92660
 ph: 949.673.0300

architect

FBA Engineering

Consulting Electrical Engineers
 159 Palomero Avenue Suite A120
 Costa Mesa, CA 92626
 949.852.9995 • 949.852.1667 (fax)
 fbeng.com
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consultant

**MONTE VISTA ELEMENTARY SCHOOL
 2-STORY MODULAR CLASSROOM BUILDING**
 GLENDALE UNIFIED SCHOOL DISTRICT
 2620 ORANGE AVENUE
 LA CRESCENTA - MONTROSE, CALIFORNIA 91214

owner

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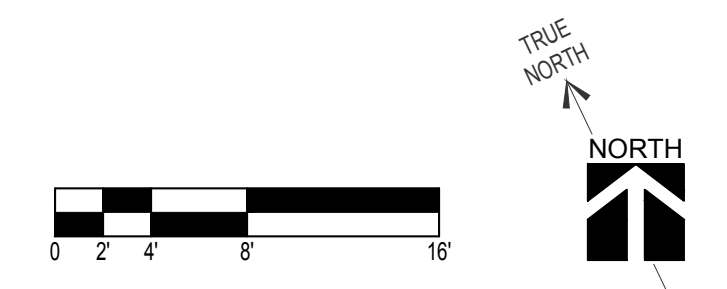
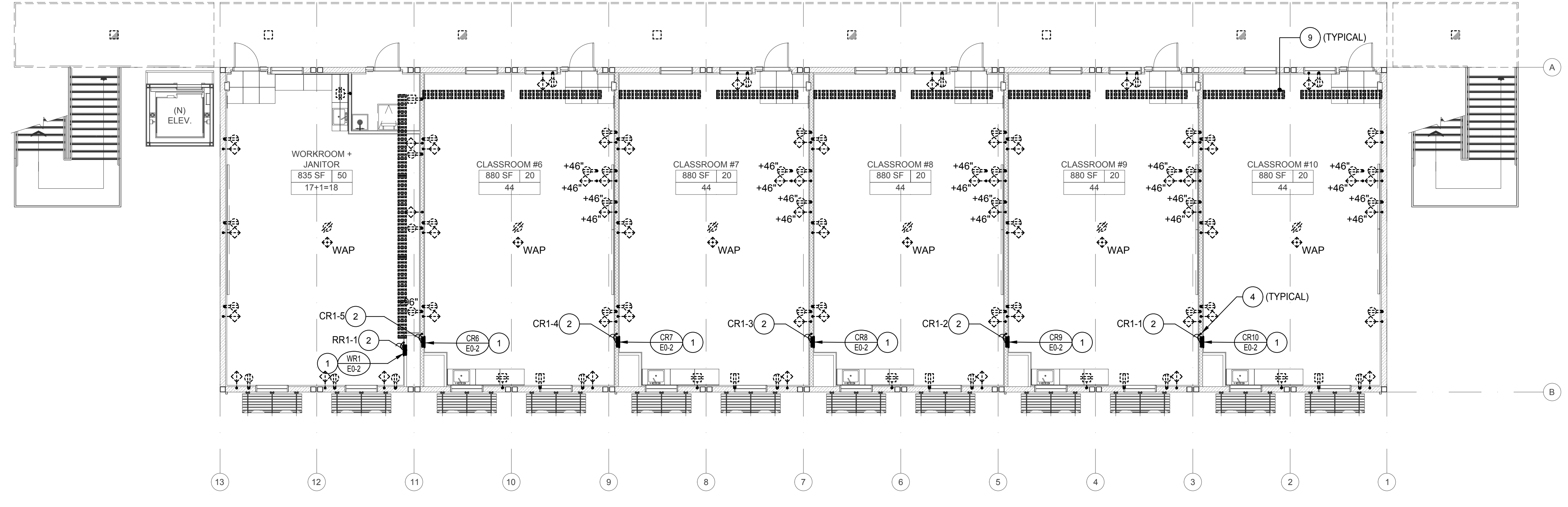
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**MODULAR BUILDING
 ELECTRICAL PLANS**

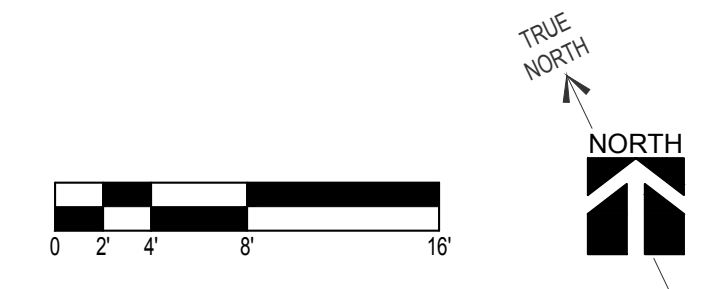
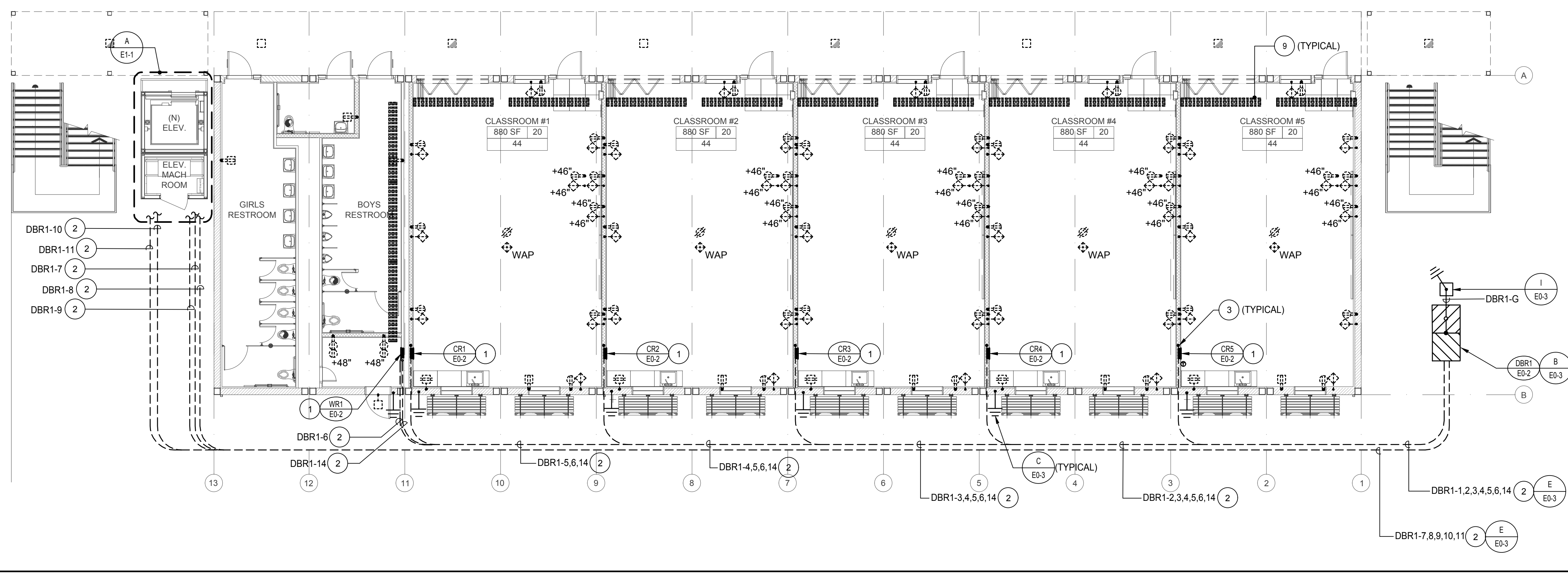
drawing no.:

E1-1

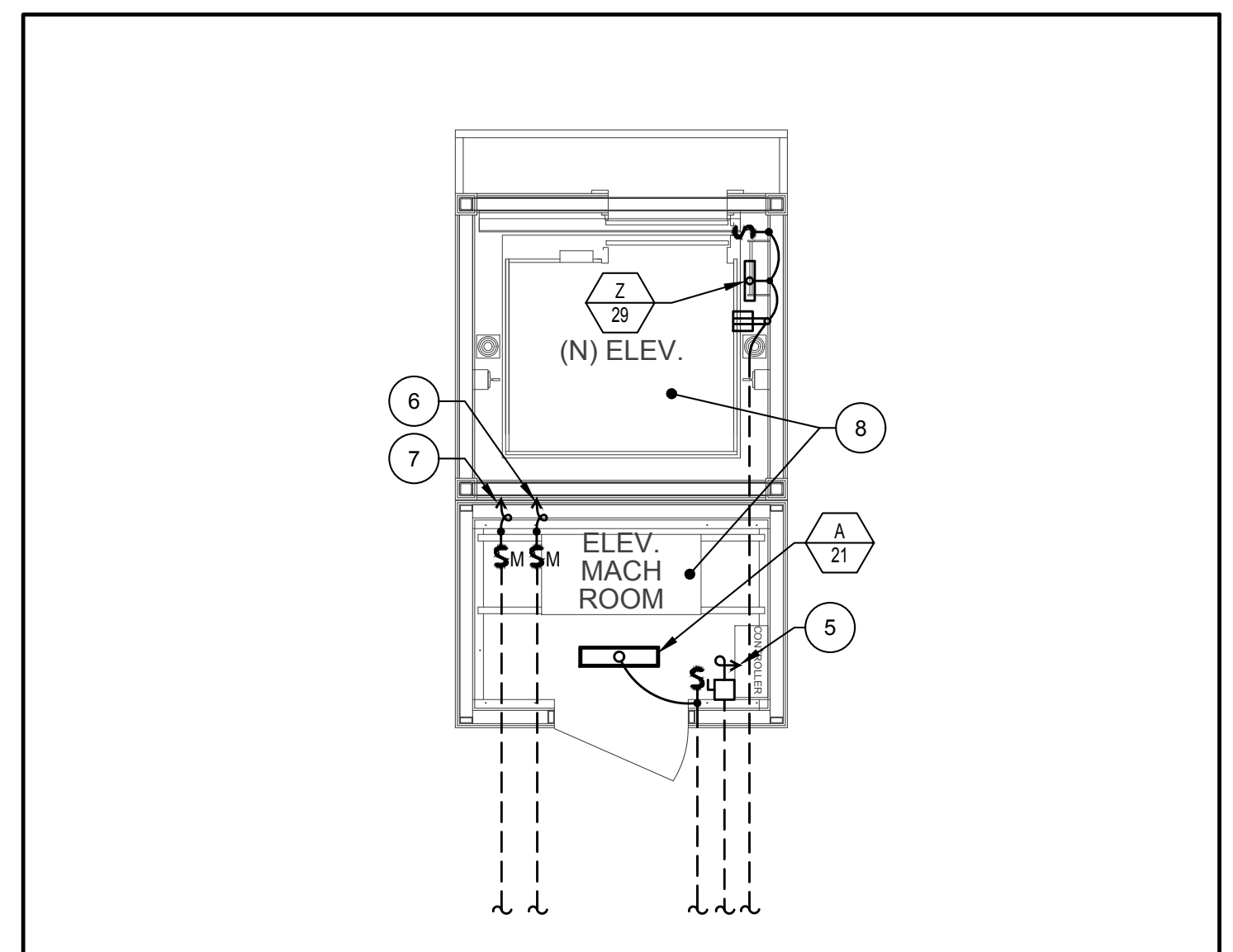
drawing of



SECOND FLOOR ELECTRICAL PLAN 1
 SCALE: 1/8" = 1'-0"



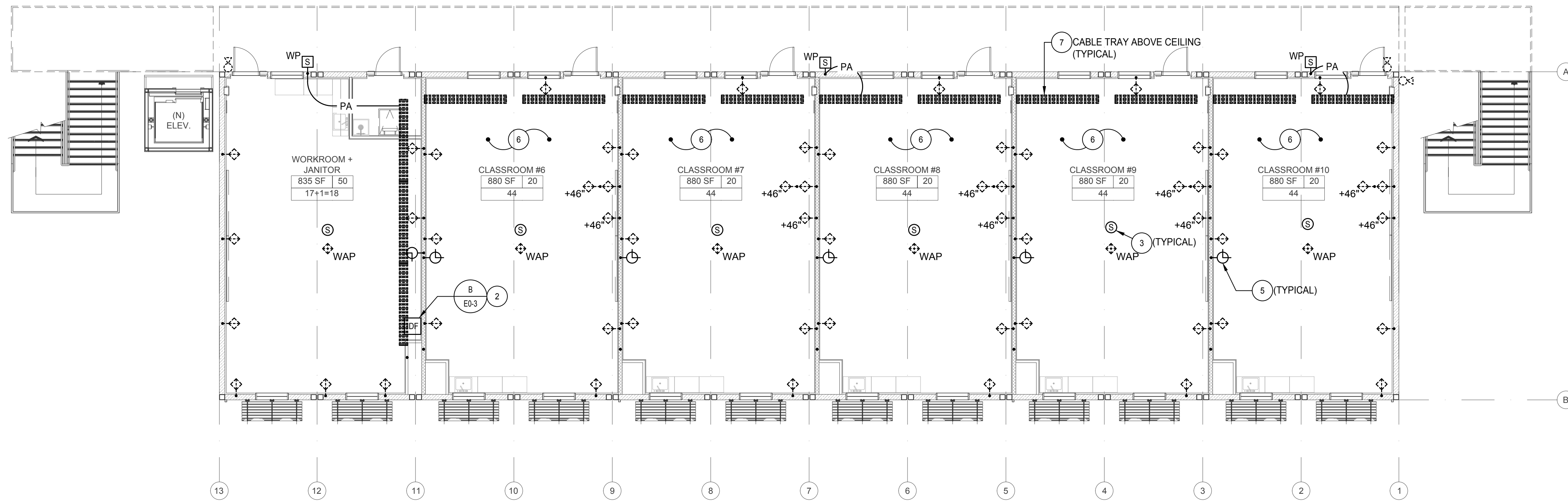
FIRST FLOOR ELECTRICAL PLAN 1
 SCALE: 1/8" = 1'-0"



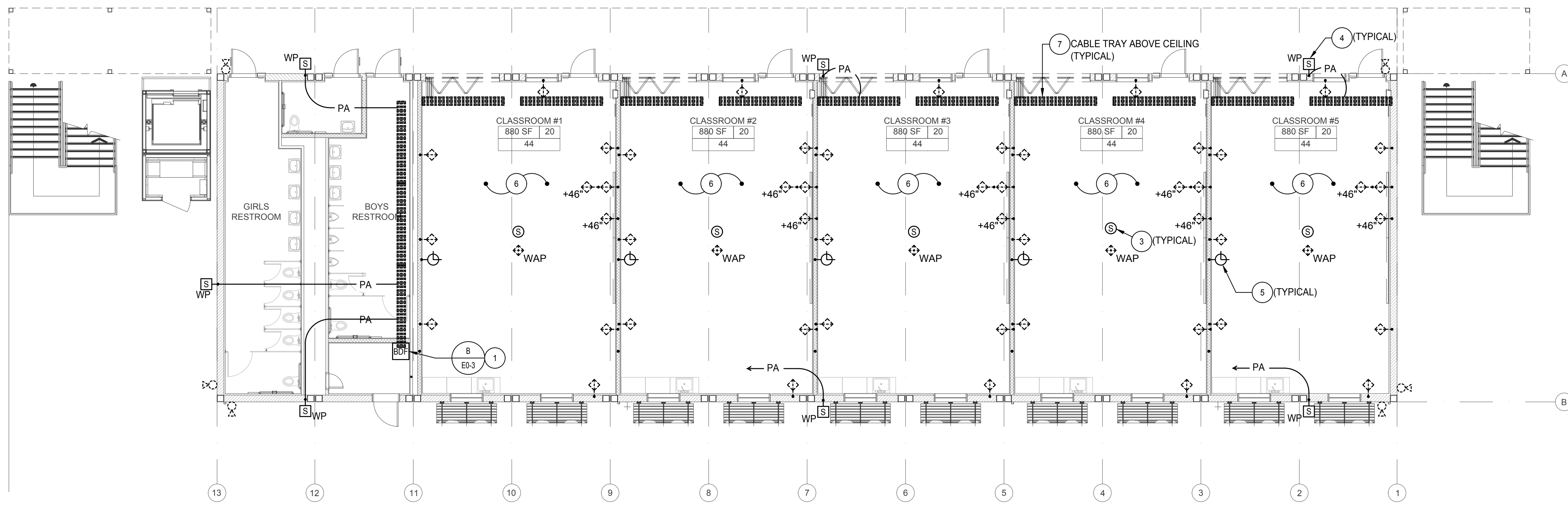
ENLARGED ELEVATOR ELECTRICAL PLAN
 SCALE: 1/4" = 1'-0" A

PLAN NOTES

- PANELBOARD SUPPLIED WITH BUILDING.
- REFER TO SINGLE LINE DIAGRAM FOR FEEDER INFORMATION.
- ROUTE FEEDER UP TO 2ND FLOOR PANEL REFER TO SINGLE LINE DIAGRAM FOR FEEDER SIZES. REFER TO BUILDING DRAWINGS FOR ROUTING INFORMATION AND PANEL SCHEDULES.
- ROUTE FEEDER DOWN FROM 2ND FLOOR PANEL TO 1ST FLOOR PANEL. REFER TO SINGLE LINE DIAGRAM FOR FEEDER SIZES. REFER TO BUILDING DRAWINGS FOR ROUTING INFORMATION AND PANEL SCHEDULES.
- PROVIDE AND INSTALL 200 AMP FUSIBLE DISCONNECT SWITCH WITH 150 AMP FUSES. CONNECT TO ELEVATOR CONTROLLER IN ACCORDANCE WITH ELEVATOR MANUFACTURER'S REQUIREMENTS. REFER TO SINGLE LINE DIAGRAM AND ELEVATOR DRAWINGS FOR ADDITIONAL INFORMATION.
- CONNECT TO ELEVATOR CAB LIGHTS IN ACCORDANCE WITH ELEVATOR MANUFACTURER'S REQUIREMENTS. REFER TO SINGLE LINE DIAGRAM AND ELEVATOR DRAWINGS FOR ADDITIONAL INFORMATION.
- CONNECT TO ELEVATOR EXHAUST FAN IN ACCORDANCE WITH ELEVATOR MANUFACTURER'S REQUIREMENTS. REFER TO SINGLE LINE DIAGRAM AND ELEVATOR DRAWINGS FOR ADDITIONAL INFORMATION.
- LOCATE ALL ELECTRICAL ITEMS IN THE ELEVATOR MACHINE ROOM AND ELEVATOR PIT IN ACCORDANCE WITH THE ELEVATOR MANUFACTURER'S REQUIREMENTS. REFER TO ELEVATOR SHOP DRAWINGS FOR LOCATIONS AND ADDITIONAL INFORMATION.
- REFER TO BUILDING MANUFACTURER DRAWINGS FOR ALL BUILDING MANUFACTURER PROVIDED RECEPTACLES, OUTLETS, POWER CONNECTIONS AND BRANCH CIRCUIT CONDUIT AND WIRING.



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



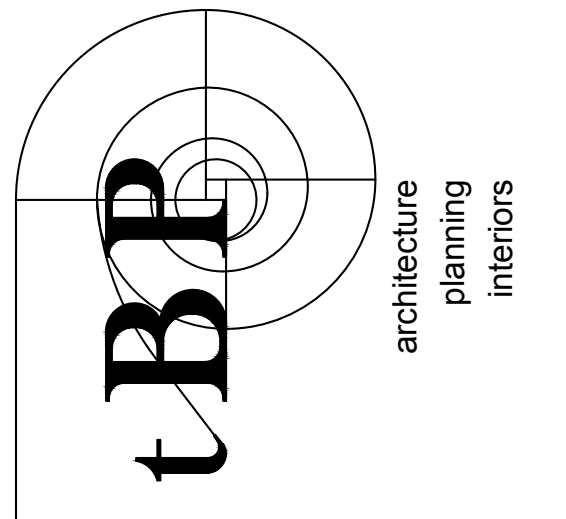
FIRST FLOOR SIGNAL PLAN 1
SCALE: 1/8" = 1'-0"

PLAN NOTES

- 1 OWNER FURNISHED BUILDING DISTRIBUTION FRAME "BDF" CABINET. CONTRACTOR TO INSTALL CABINET, OWNER TO INSTALL EQUIPMENT AND CABLING.
- 2 OWNER FURNISHED INTERMEDIATE DISTRIBUTION FRAME "IDF" CABINET. CONTRACTOR TO INSTALL CABINET, OWNER TO INSTALL EQUIPMENT AND CABLING.
- 3 CEILING MOUNTED INTERIOR PUBLIC ADDRESS SPEAKER.
- 4 WALL MOUNTED WEATHERPROOF EXTERIOR PUBLIC ADDRESS SPEAKER, MOUNTED AT +10'-0".
- 5 PROVIDE BATTERY OPERATED GPS TYPE CLOCK, +90° AT LOCATIONS SHOWN ON DRAWINGS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- 6 PROVIDE PORTABLE ASSISTIVE LISTENING SYSTEM IN ACCORDANCE WITH SPECIFICATIONS.
- 7 BY BUILDING MANUFACTURER.

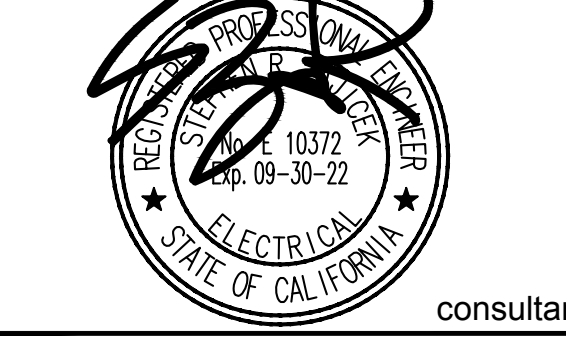
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355 S. GRAND AVE. SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159/0726 agency



tBP/Architecture
4811 Teller Avenue
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drawing title:
**MODULAR BUILDING
SIGNAL PLANS**

drawing no.:

E1-2
drawing of

FIRE ALARM SYSTEM EQUIPMENT SCHEDULE

FIRE ALARM PROJECT SCOPE OF WORK

DSA ADDITIONAL NOTES

FIRE ALARM SYSTEM NOTES

Table with columns: ITEM DESCRIPTION, SYMBOL, MOUNTING, CATALOG NUMBER, CSFM LISTING NUMBER, NOTES. Lists various fire alarm components like control panels, amplifiers, and detectors.

- SCOPE OF WORK INCLUDES THE FOLLOWING:
1. PROVIDE AND INSTALL NEW NFS2-3030 FIRE ALARM VOICE EVACUATION CONTROL PANEL TO REPLACE EXISTING AFP-2020 FIRE ALARM CONTROL PANEL.
2. PROVIDE AND INSTALL NEW SBUS, VBUS AND OTHER REQUIRED FIRE ALARM CIRCUITS TO BE PULLED THROUGH EXISTING AND NEW UNDERGROUND CONDUITS AS INDICATED ON FIRE ALARM PLANS.

DEMOLITION PERFORMANCE NOTES

- 1. ALL EXISTING FIRE ALARM DEVICES ON CAMPUS SHALL REMAIN UNLESS SPECIFICALLY INDICATED OTHERWISE ON THE FIRE ALARM DEMOLITION DRAWINGS. REFER TO THE FIRE ALARM DEMOLITION DRAWINGS INCLUDED IN THIS SET FOR DEMOLITION AREAS, AND EXISTING WALLS. THE SCOPE OF THE DEMOLITION WORK SHALL INCLUDE ALL LABOR, MATERIALS, SERVICES AND EQUIPMENT REQUIRED FOR THE REMOVAL OF ALL EXISTING FIRE ALARM DEVICES AND EQUIPMENT NOT INDICATED AS BEING REUSED. THIS WORK INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:
a. ALL EXISTING INTERIOR FIRE ALARM CONDUIT, SURFACE RACEWAYS AND ASSOCIATED CABLING SHALL REMAIN UNLESS SPECIFICALLY INDICATED OTHERWISE.

- 1. APPLICABLE STANDARD NFPA STANDARD 72 (2016) AS AMENDED IN CBC (2019) CHAPTER 35.
2. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAS BEEN APPROVED BY DSA.
3. UPON COMPLETION OF THE INSTALLATION OF THE SYSTEMS, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR (P).

- A. "FIRE ALARM" FOR FIRE ALARM SYSTEMS.
B. "EMERGENCY COMMUNICATIONS" FOR EMERGENCY COMMUNICATIONS SYSTEMS OR
C. "FIRE ALARMECS" FOR COMBINATION FIRE ALARM AND COMMUNICATIONS SYSTEMS.

- 21. THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED RECORD OF COMPLETION PER NFPA 72, FIGURE 7.8.2(A) THROUGH (I) AS APPLICABLE.
22. CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE FINISHED FLOOR.
23. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CFC SECTION 901.6.2

FIRE ALARM SEQUENCE OF OPERATIONS

Table with columns: DEVICE/ACTION, MANUAL CALL STATION, AREA SMOKE DETECTOR, AREA HEAT DETECTOR, ELEVATOR LOBBY SMOKE DETECTOR, ELEVATOR MACHINE ROOM SMOKE DETECTOR, ELEVATOR MACHINE ROOM HEAT DETECTOR, ELEVATOR SHUNT-TRIP POWER MONITOR, SPRINKLER WATER FLOW, OS&Y TAMPER SWITCH, SPRINKLER TAMPER SWITCH, CLASSROOM CARBON MONOXIDE DETECTOR, CARBON MONOXIDE SMOKE/CO PWR LOSS, GROUND FAULT OR SHORT CIRCUIT, LOW BATT, FACP 120VAC POWER FAIL, NOTES.

NOTES:
(1) INDICATE TROUBLE ON WIRING FAULT OR DEVICE AS REQUIRED.
PRE-RECORDED FIRE ALARM VOICE EVACUATION SIGNAL SHALL BE A FEMALE VOICE. AND SOUND OFF: "MAY I HAVE YOUR ATTENTION PLEASE, MAY I HAVE YOUR ATTENTION PLEASE A FIRE HAS BEEN REPORTED IN THE BUILDING. PLEASE PROCEED TO THE NEAREST EXIT AND EXIT THE BUILDING." MESSAGE SHALL REPEAT UNTIL MANUALLY DISABLED/SILENCED AT MAIN FIRE CONTROL PANEL OR ANNUNCIATOR PANEL.

FIRE ALARM COMPLETE PLAN SUBMITTAL
1.0 PROJECT INFORMATION
A. OCCUPANCY GROUP
REFER TO ARCHITECTURAL DRAWINGS.
B. CONSTRUCTION TYPE
REFER TO ARCHITECTURAL DRAWINGS.
C. PENETRATIONS OF FIRE RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, PART 2, CHAPTER 7, TITLE 24, REFER TO THE ARCHITECTURAL PLANS FOR FIRE-RATE CORRIDOR(S), OCCUPANCY SEPARATION(S) AND AREA SEPARATION WALL(S).
D. UPON COMPLETION OF SYSTEM INSTALLATION, THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF AND IN A MANNER ACCEPTABLE TO THE ENFORCING AGENCY.
E. PROVIDE A STATEMENT OF COMPLIANCE WHEN REQUESTING INSPECTION CFC 901.2.1
F. THE FIRE ALARM SYSTEM DESIGN FOR THIS PROJECT IS ADDRESSABLE AND FULLY AUTOMATIC VOICE EVACUATION SYSTEM.
2.0 APPLICABLE CODES AND STANDARDS
A. PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2021
2019 BUILDING ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
2018 INTERNATIONAL BUILDING CODE VOL. 1-2 AND 2019 CALIFORNIA AMENDMENTS
2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS
2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
2018 UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS
2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
2018 UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS
2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R.
2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS
2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24, C.C.R.
REGULATIONS OF THE STATE FIRE MARSHAL, C.C.R. TITLE 19
B. PARTIAL LIST OF APPLICABLE STANDARDS
NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE 2016 EDITION (CA AMENDED)
UL 288 SMOKE DETECTOR FOR FIRE PROTECTIVE SIGNALING SYSTEMS 2009 EDITION
UL 464 AUDIBLE SIGNAL APPLIANCES 2003 EDITION
UL 521 HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 1999 EDITION W/ REVISIONS THROUGH JULY 20, 2005
UL 864 CONTROL UNITS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 2003 EDITION W/ REVISIONS THROUGH DECEMBER 2014
UL 2034 STANDARD FOR SINGLE AND MULTIPLE STATION CARBON MONOXIDE ALARMS 2017 EDITION
3.0 UPON RECEIPT OF THE CERTIFICATE OF COMPLIANCE, THE INSTALLER SHALL SUPPLY THE OWNER WITH A WRITTEN OPERATING, TESTING AND MAINTENANCE INSTRUCTIONS, POINT-TO-POINT AS-BUILT DRAWINGS AND EQUIPMENT SPECIFICATIONS.
4.0 NFPA 72 CHAPTER 10.14 INSPECTION TESTING AND MAINTENANCE COMPLETE THE INSPECTION AND TESTING FORM IN ITS ENTIRETY SUBMIT A COPY TO THE DISTRICT, ARCHITECT AND DSA DIVISION OF FIRE AND LIFE SAFETY.
5.0 OCCUPANCY PROHIBITED TO ANY PORTION OF BUILDING UNTIL FIRE ALARM SYSTEM HAS BEEN TESTED AND APPROVED. CBC 901.5, CFC 901.5.1 RECORD DRAWINGS OF ALL INSPECTION, TEST SHALL BE MAINTAINED ON PREMISES MINIMUM THREE YEARS. CFC 901.6.2 (5 YEARS PER TITLE 14) SMOKE DETECTORS TO UTILIZE CALIBRATED MANUFACTURE SENSITIVITY TEST INSTRUMENT. CFC 901.9.4
6.0 CONTRACTOR TO FIELD VERIFY AND PROVIDE DECIBEL METER FOR TESTING OF AMBIENT NOISE LEVELS (MINIMUM 15db ABOVE AMBIENT NOISE LEVELS REQUIRED - SEE NFPA 72 TABLE 14.4.3.2). INSTALL ADDITIONAL AUDIBLE DEVICE AS NEEDED TO ATTAIN REQUIRED NOISE LEVELS AND INTELLIGIBILITY IN ALL REQUIRED AREAS. PROVIDE UPDATED PLANS AND CALCULATIONS THROUGH THE "DSA CONSTRUCTION CHANGE DOCUMENT" PROCESS WHEN INSTALLING ADDITIONAL DEVICES AND OR EQUIPMENT. PROJECT INSPECTOR (PI) TO WITNESS FINAL TEST OF THE SYSTEM. CONTRACTOR(S) TO PROVIDE FINAL TEST RESULTS AND PROVIDE THE "RECORD OF COMPLETION FORM" TO THE ARCHITECT OF RECORD, OWNER, DIVISION OF THE STATE ARCHITECT, PROJECT INSPECTOR (PI) AND LOCAL FIRE AUTHORITY (AHJ).
6.1 FIRE ALARM NOTIFICATION DEVICES WITHIN THE NOTIFICATION ZONE WILL BE SYNCHRONIZED IN ACCORDANCE WITH NFPA 72 18.5.7
6.2 CONTRACTOR SHALL PROVIDE 24 HOUR FIRE WATCH IN CASE EXISTING CAMPUS FIRE ALARM SYSTEM IS SHUTDOWN OR DURING THE DURATION OF THE CONSTRUCTION PHASE, (IF APPLICABLE TO THE PROJECT), REFER TO DSA DOCUMENT IR F-2 FOR MORE INFORMATION AND REQUIREMENTS.
6.3 EXISTING FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL DURING THE BUILDING MODERNIZATION CONSTRUCTION UNTIL THE NEW FIRE ALARM SYSTEM IS INSTALLED AND FULLY OPERABLE. UPON COMPLETE FINAL TEST AND APPROVAL OF THE NEW SYSTEM, EXISTING SYSTEM AND ITS DEVICES SHALL BE DISCONNECTED AND REMOVED AS REQUIRED (IF APPLICABLE TO THE PROJECT).

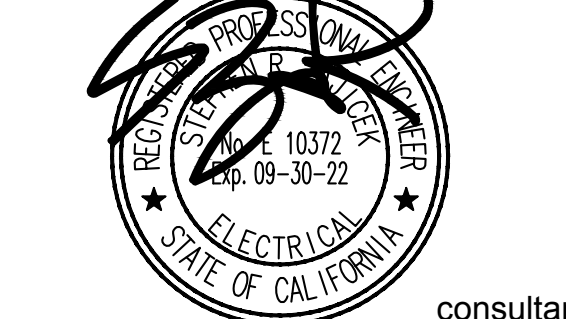
FIRE ALARM NOTE:
FIRE ALARM SUBMITTAL IS A COMPLETE PLAN SUBMITTAL IN ACCORDANCE WITH CFC-901.1 AND 907.1.1.

FA DOCUMENTS CABINET NOTES

-EVERY NEW FIRE ALARM SYSTEM SHALL PROVIDE A DOCUMENTATION CABINET, INSTALLED AT THE SYSTEM CONTROL PANEL OR OTHER APPROVED LOCATION.
-THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED, "SYSTEM RECORD DOCUMENTS".
-ALL RECORD AND TESTING DOCUMENTATION SHALL BE STORED IN THE CABINET.
-CONTENTS SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.
-WHERE CABINET IS INSTALLED IN A LOCATION OTHER THAN THE SYSTEM CONTROL UNIT, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT.
SYSTEM DOCUMENTS AS APPLICABLE:
-RECORD DRAWINGS/AS-BUILTS
-EQUIPMENT CUT SHEETS & CA SFM LISTINGS
-ALTERNATIVE MEANS AND METHODS
-PERFORMANCE BASED DESIGN DOCUMENTATION (NFPA 72, 7.3.7)
-SYSTEM RECORD OF COMPLETION & ANY SUPPLEMENTAL INSPECTION AND TESTING DOCUMENTATION (NFPA 72, 7.8.2)
-EMERGENCY RESPONSE PLAN (NFPA 72, 7.3.8)
-EVALUATION DOCUMENTATION (NFPA 72, 7.3.9)
-RISK ANALYSIS DOCUMENTATION (NFPA 72, 7.3.6)
-SOFTWARE & FIRMWARE CONTROL DOCUMENTATION (NFPA 72, 23.2.2)

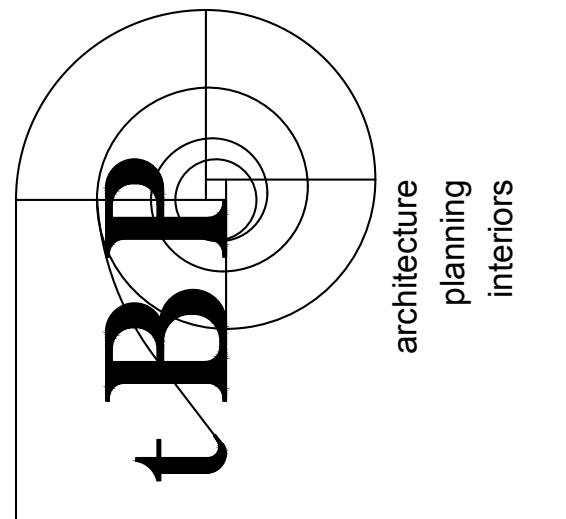
IDENTIFICATION STAMP OF THE STATE ARCHITECT
APP: 03-121419 INC.
REVIEWED FOR:
DATE: 09/29/2021
tBP Architecture planning interiors
4811 Teller Avenue Newport Beach, CA 92660
ph: 949.673.0300

FBA Engineering
Consulting Electrical Engineers
159 Palatka Avenue Suite A120 Costa Mesa, CA 92626
949.852.2066 • 949.852.1657 (fax)
cbengr.com
FBA AS Number: 212.277



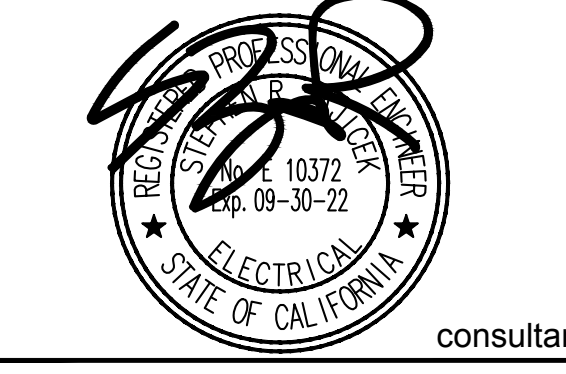
MONTE VISTA ELEMENTARY SCHOOL
2-STORY MODULAR CLASSROOM BUILDING
GLENDALE UNIFIED SCHOOL DISTRICT
2620 ORANGE AVENUE
LA CRESCENTA - MONTROSE, CALIFORNIA 91214
owner

File name:
drawn by: checked by:
date: DECEMBER 28, 2020
Rev. date: description:
drawing title:
FIRE ALARM SYMBOL LIST
NOTES & SYSTEM INFO.
drawing no.:
E2-0
drawing of



tbp/Architecture
 4811 Teller Avenue
 Newport Beach, CA 92660
 ph: 949.673.0300

FBA Engineering
 Consulting Electrical Engineers
 159 Palmdale Avenue Suite A120
 Costa Mesa, CA 92626
 949.852.2995 • 949.852.1667 (fax)
 fbengr.com
 FBA Job Number: 212.277



**MONTE VISTA ELEMENTARY SCHOOL
 2-STORY MODULAR CLASSROOM BUILDING**
 owner
 GLENDALE UNIFIED SCHOOL DISTRICT
 2620 ORANGE AVENUE
 LA CRESCENTA - MONTEROSE, CALIFORNIA 91214

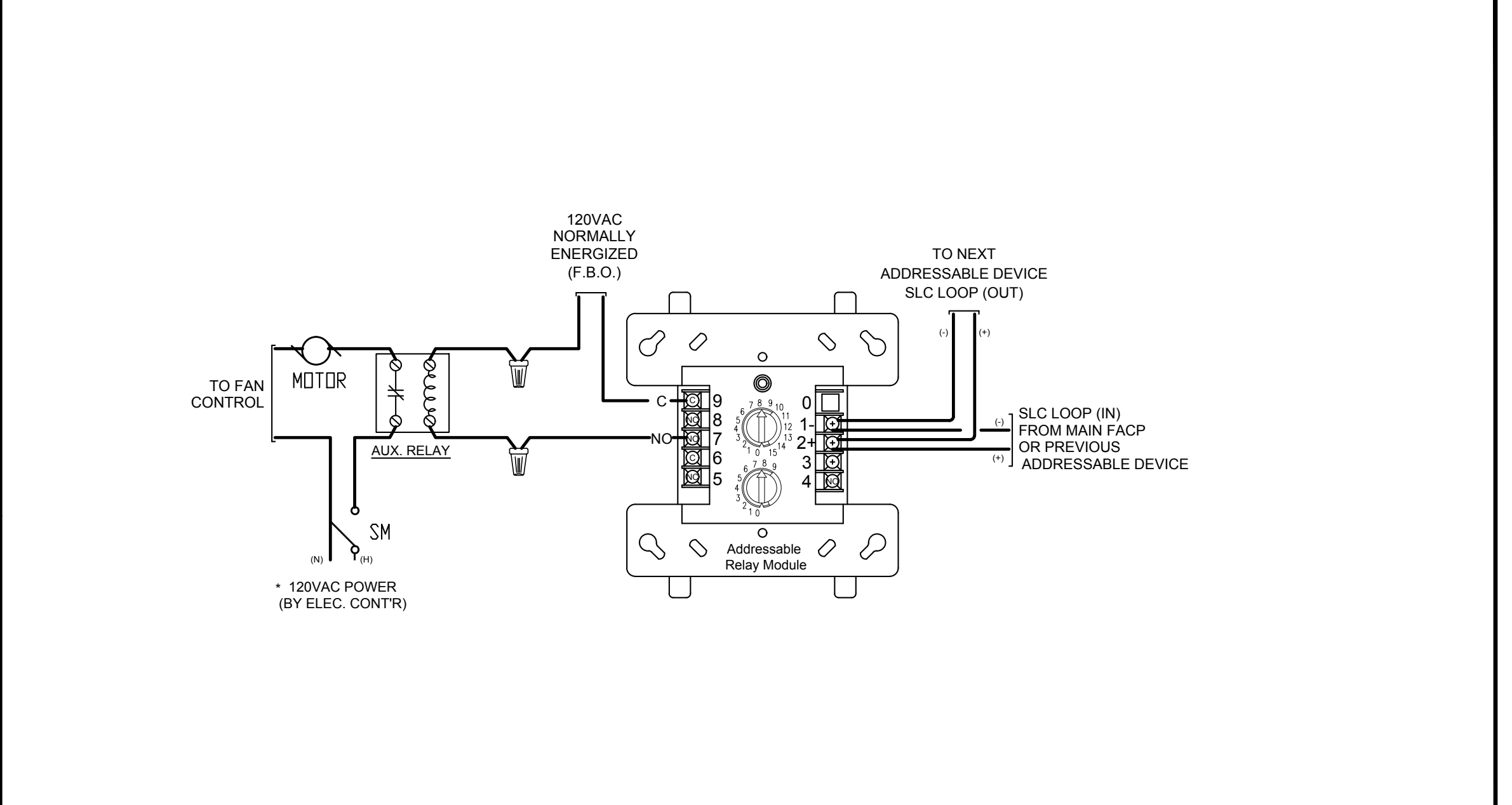
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file name:
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 date: DECEMBER 28, 2020
 Rev. date: description:

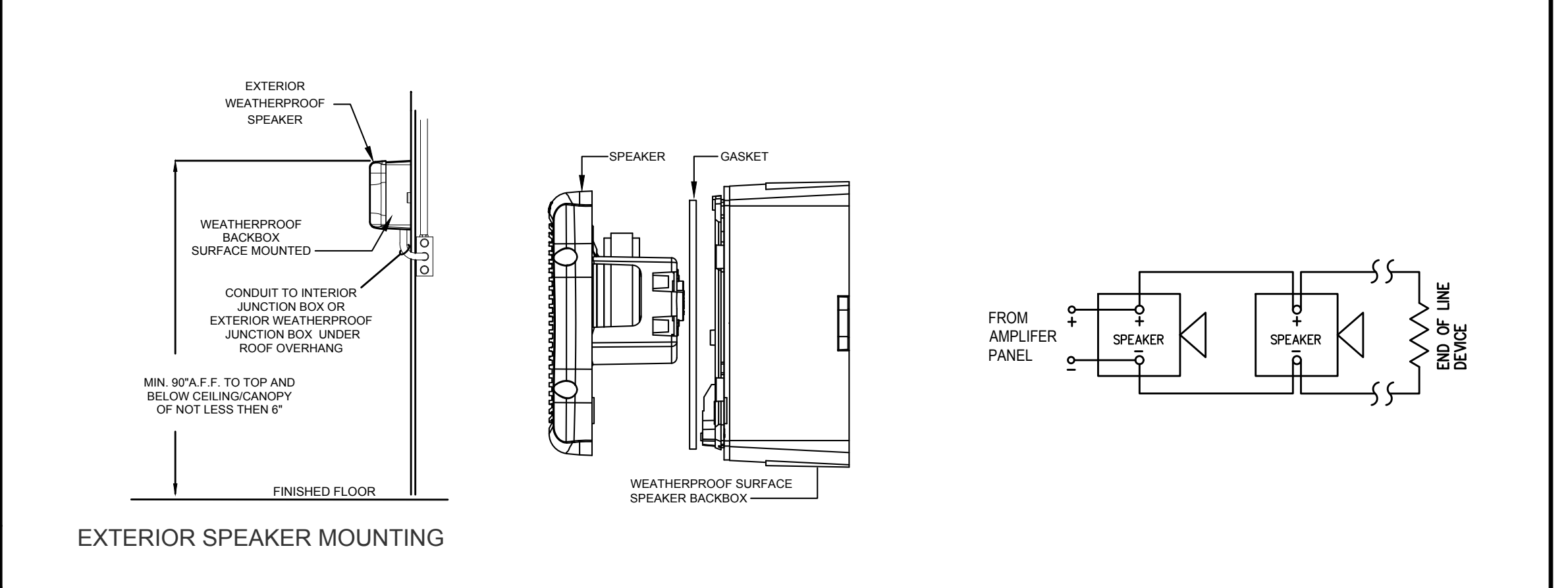
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drawing title:
**FIRE ALARM
 DEVICE DETAILS**

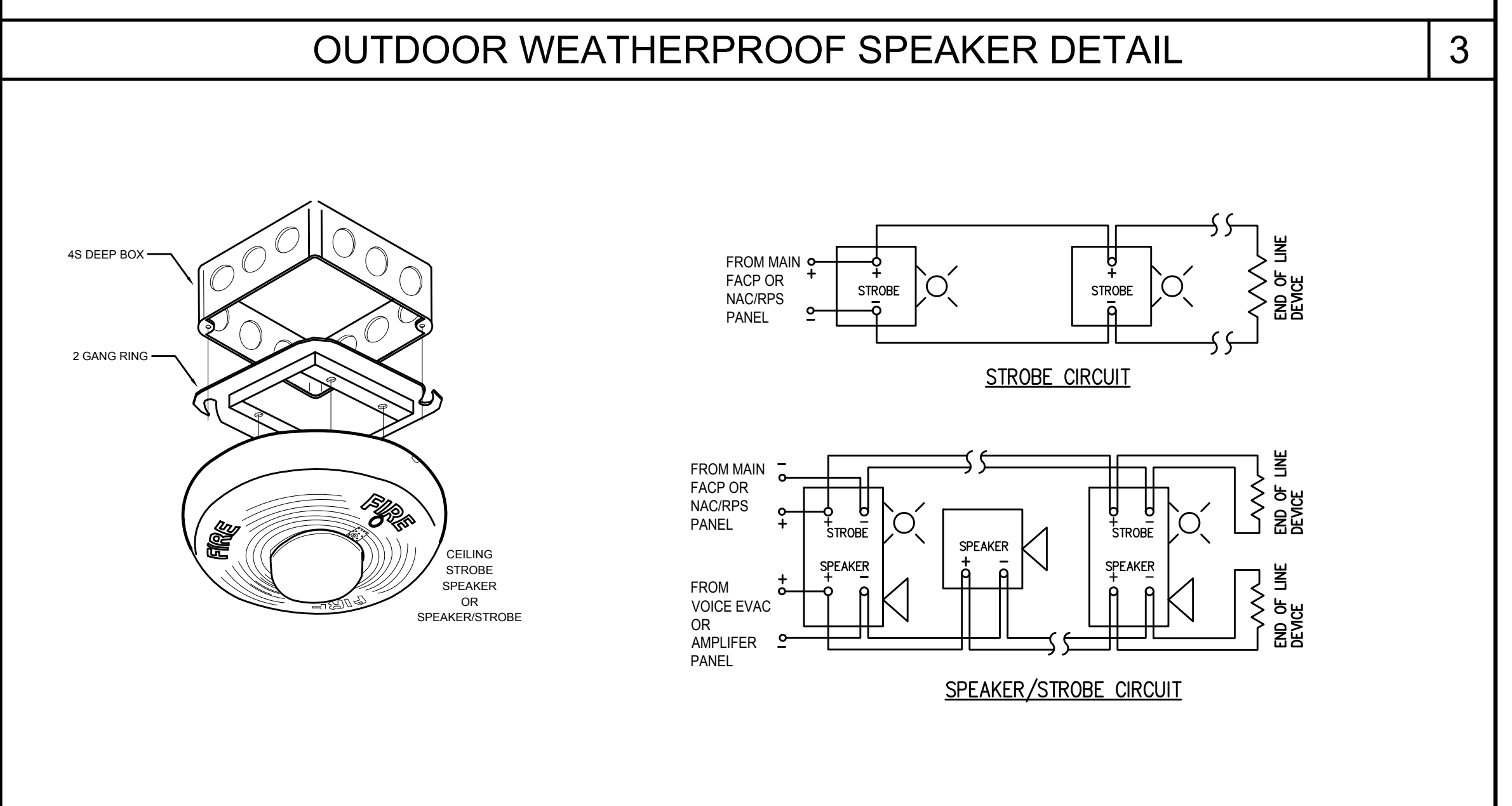
drawing no.:
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 drawing of



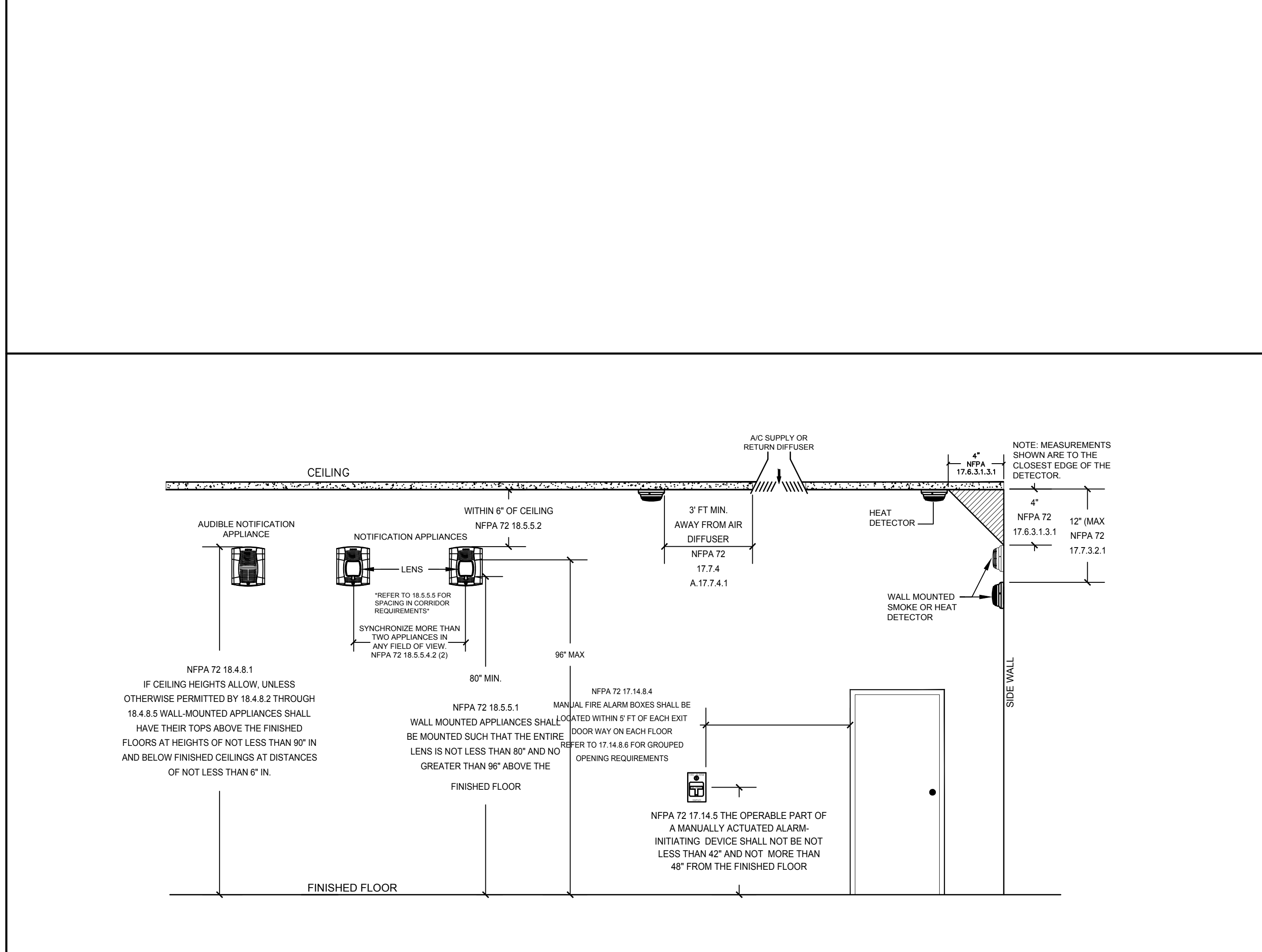
HVAC UNIT SHUTDOWN WIRING DETAIL 4



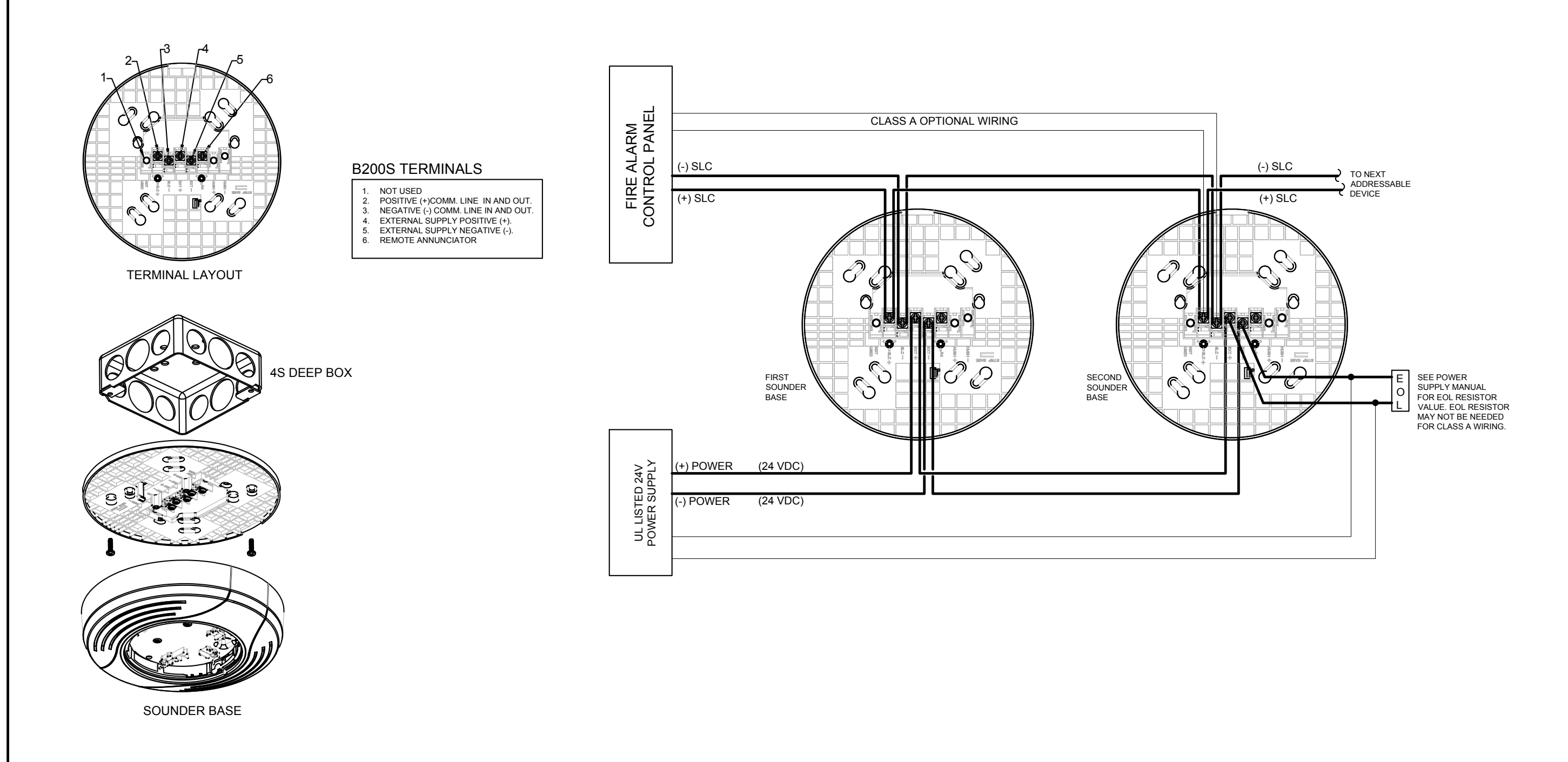
EXTERIOR SPEAKER MOUNTING



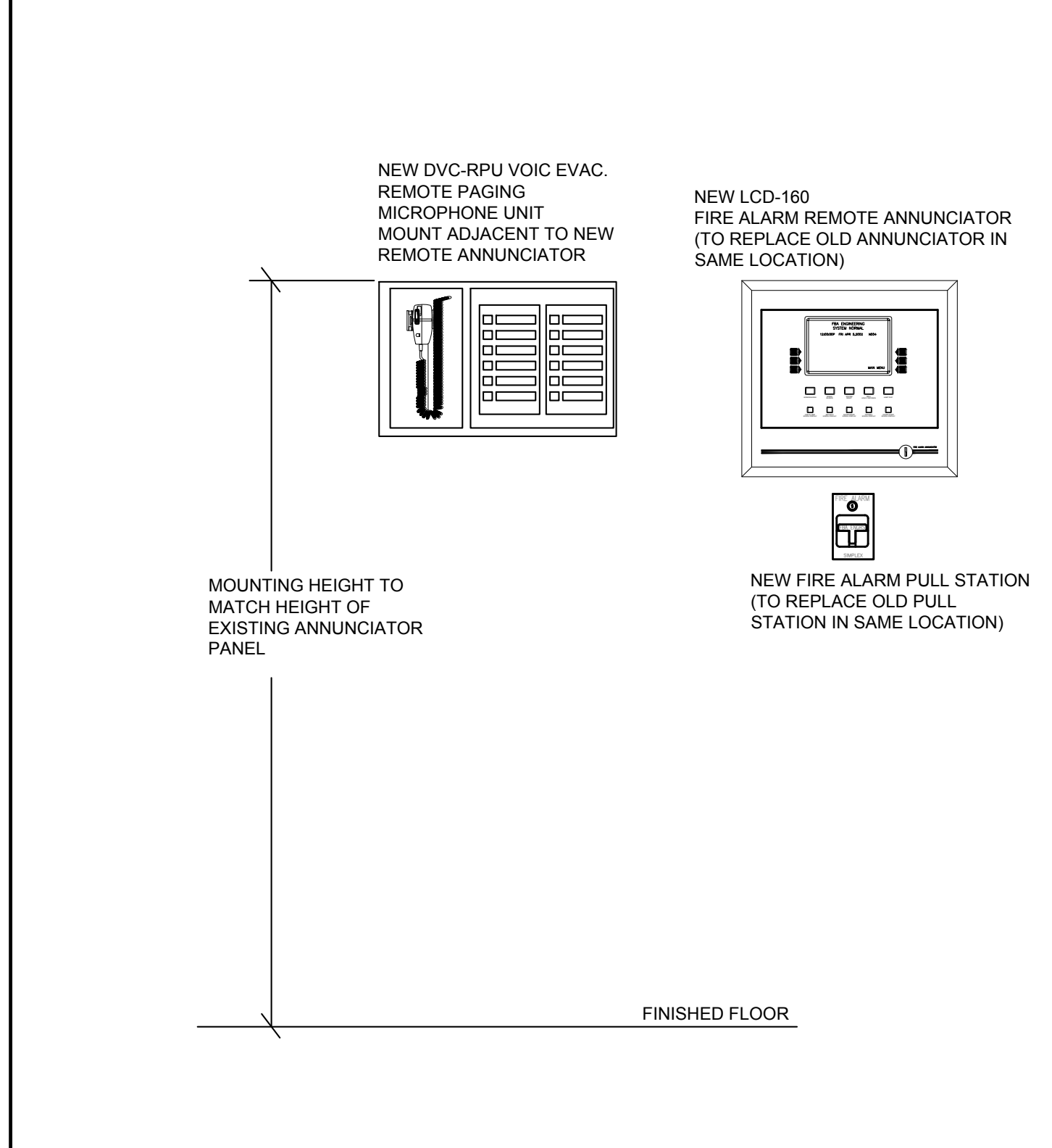
OUTDOOR WEATHERPROOF SPEAKER DETAIL 3



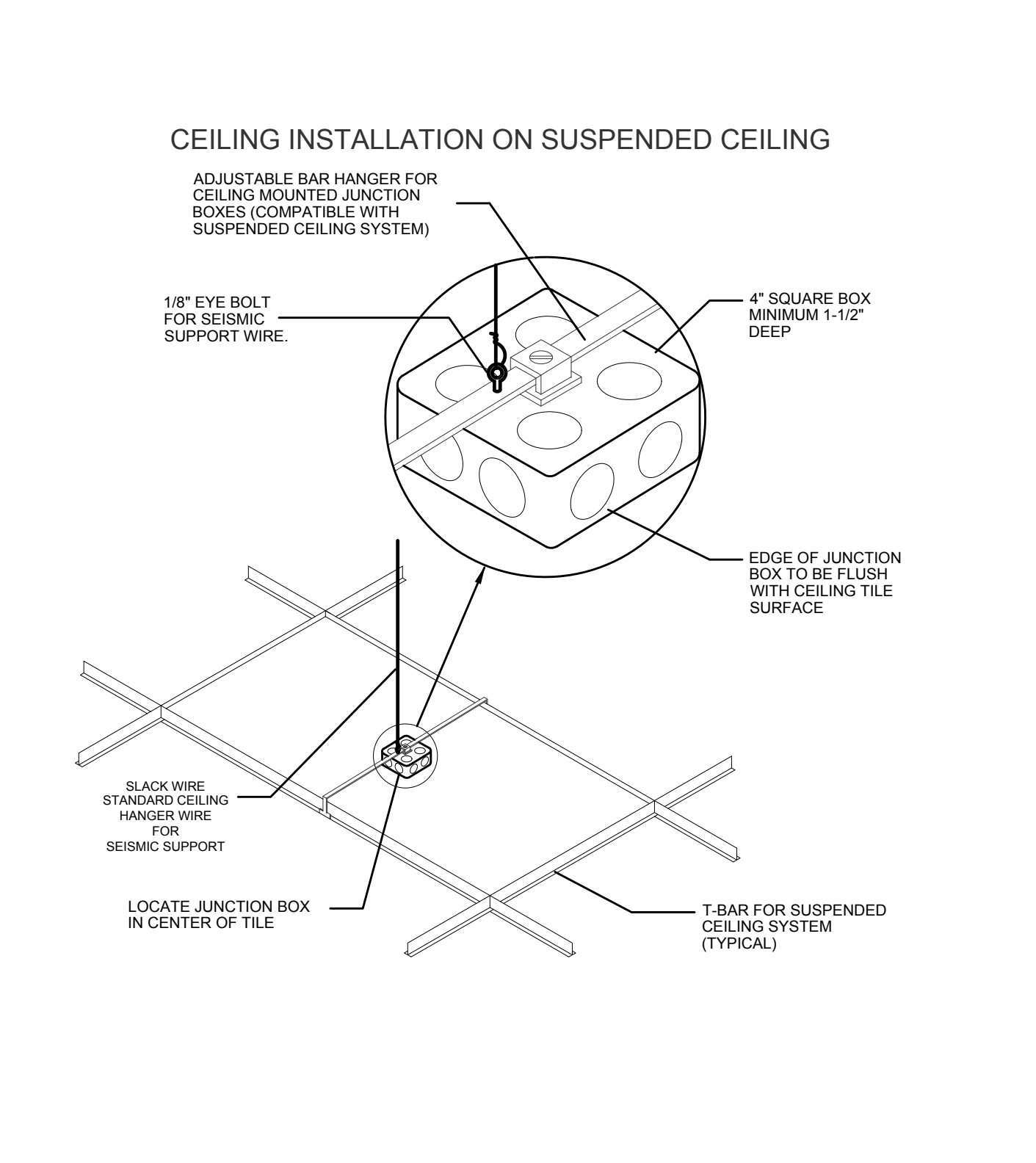
FIRE ALARM SYSTEM DEVICES MOUNTING ELEVATION REQUIREMENTS/DETAIL 8



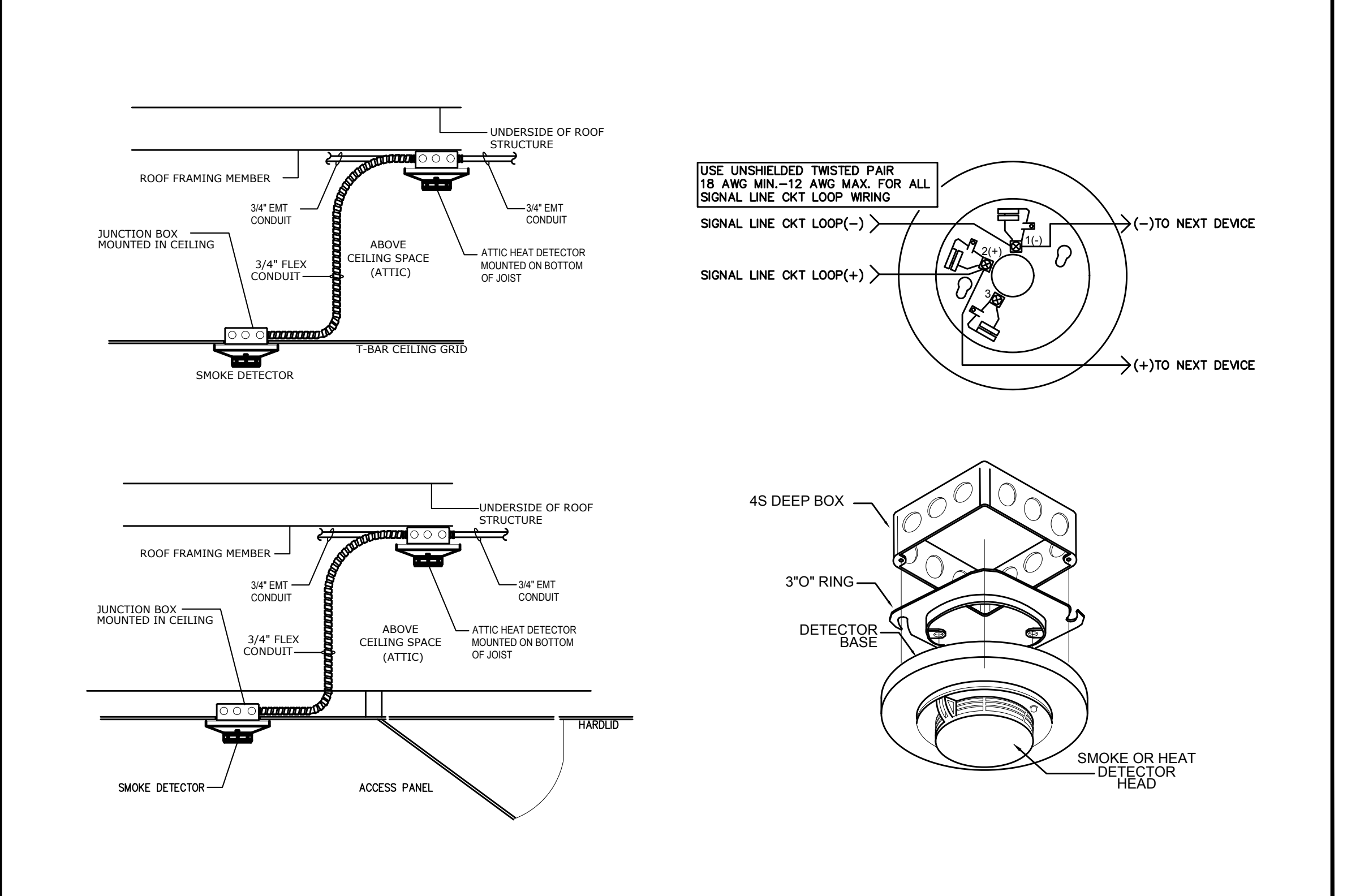
CO DETECTOR SOUNDER BASE DETAIL 7



LOC MOUNTING ELEVATION 6



DEVICE MOUNTING ON T-BAR CEILING 5



ADDRESSABLE DETECTOR BASE DETAIL 1

SYSTEM SENSOR (L-SERIES)											
VOLTAGE DROP CALCULATION											
DEVICE	DEVI CURRENT (AMPS)	SIGNAL V1	FROM PS-M	SIGNAL V2	FROM PS-M	SIGNAL FROM	FROM	SIGNAL FROM	FROM	QTY	TOTAL
CEILING SPEAKER/STROBES											
15cld	0.041	1	0.041	1	0.041			0.000		0.000	2
30cld	0.083	0	0.000	0	0.000			0.000		0.000	0
75cld	0.111	7	0.777	5	0.555			0.000		0.000	12
95cld	0.134	0	0.000	0	0.000			0.000		0.000	0
TOTAL CURRENT											
ON CIRCUIT	0.618	CURR	0.596	CURR	0.000	CURR	0.000	CURR	0.000	AMPS	
TOTAL WIRE LENGTH	400	FT.	300	FT.	400	FT.	400	FT.	400	FT.	
% VOLTAGE DROP	4.51	%	2.46	%	0.00	%	0.00	%	0.00	%	
WIRE SIZE	# AWG	12	6530	12	6530	12	6530	12	6530		
CIRCUIT LOCATION		FIRST FLOOR		SECOND FLOOR							

70V SPEAKER											
VOLTAGE DROP CALCULATION											
DEVICE	DEVI CURRENT (AMPS)	SIGNAL V1	FROM AMP-M	SIGNAL V2	FROM AMP-M	SIGNAL FROM	FROM	SIGNAL FROM	FROM	QTY	TOTAL
SPEAKERS											
1/4 Watt Speaker (70.7v)	0.003	3	0.009	0	0.000			0.000		0.000	3
1/2 Watt Speaker (70.7v)	0.007	5	0.035	6	0.042			0.000		0.000	11
1 Watt Speaker (70.7v)	0.014	8	0.112	3	0.042			0.000		0.000	11
TOTAL CURRENT											
ON CIRCUIT	0.156	AMPS	0.084	AMPS	0.000	AMPS	0.000	AMPS	0.000	AMPS	
(MAX) WIRE LENGTH	400	FT.	300	FT.	400	FT.	400	FT.	400	FT.	
% VOLTAGE DROP	0.75	%	0.30	%	0.00	%	0.00	%	0.00	%	
WIRE SIZE	# AWG	16	2580	16	2580	16	2580	16	2580		
CIRCUIT LOCATION		FIRST FLOOR		SECOND FLOOR							

CIRC. MILS	DISTANCE X TOTAL CURR. X 21.6
18 AWG = 1620	VOLTAGE DROP =
16 AWG = 2580	CIRCULAR MILS
14 AWG = 4110	VOLTAGE DROP X 100
12 AWG = 6530	% VOLTAGE DROP =
	70.7 (SPK) 21.5V (STROBE)

AMPLIFIER "AMP-M" PANEL BATTERY CALCULATION				
QTY	DEVICE	STAND BY CURRENT	ALARM CURRENT	
1	DAX-5070	0.285	1.500	
1	CHG-75	0.096	0.060	
3	1/4 WATT ISPK. 70.7V	0.000	0.009	
11	1/2 WATT INTERIOR SPK. 70.7V	0.000	0.077	
11	1 WATT EXTERIOR SPK. 70.7V	0.000	0.154	
TOTAL CURRENT DRAW		0.381	1.800	
TOTAL STAND-BY CURRENT X 24 HOURS		=	0.381 X 24 =	9.144 A-HR
TOTAL ALARM CURRENT X 15 MINUTES		=	1.80 X 0.250 =	0.450 A-HR
TOTAL MINIMUM AMP HOURS OF BATTERIES				= 9.594 A-HR
ADDITIONAL 20% DERATING SAFETY FACTOR				= 11.513 A-HR

REMOTE POWER SUPPLY BATTERY CALCULATION "PS-M"				
QTY	DEVICE	STAND BY CURRENT	ALARM CURRENT	
1	PSN-108	0.076	0.076	
1	NAC 1 CKT. V1	0.000	0.816	
1	NAC 2 CKT. V2	0.000	0.906	
0	NAC 3 CKT.	0.000	0.000	
0	NAC 4 CKT.	0.000	0.000	
0	NAC 5 CKT.	0.000	0.000	
0	NAC 6 CKT.	0.000	0.000	
11	AUXILIARY-CD SOUNDER BASE	0.220	0.440	
TOTAL CURRENT DRAW		0.296	1.929	
TOTAL STAND-BY CURRENT X 24 HOURS		=	0.296 X 24 =	7.080 A-HR
TOTAL ALARM CURRENT X 15 MINUTES		=	1.93 X 0.250 =	0.482 A-HR
TOTAL MINIMUM AMP HOURS OF BATTERIES				= 7.562 A-HR
ADDITIONAL 20% DERATING SAFETY FACTOR				= 9.076 A-HR

"FACP" FIRE ALARM BATTERY CALCULATION				
QTY	DEVICE	STAND BY CURRENT	ALARM CURRENT	
EXISTING LOAD				
1	GPU2-3030	0.5320	13.2500	
1	AMPS-24	0.0000	0.1300	
1	KEYBOARD DISPLAY	0.2200	0.2200	
1	DVC-EM PROCESSOR	0.3000	0.3000	
1	DVC-KD	0.0600	0.0600	
1	RM-A (with DVC-EM)	0.0750	0.0750	
1	DAA-5070 AMPLIFIER	0.3500	0.6000	
NEW LOAD				
1	UDACT2 COMMUNICATOR	0.0520	0.0870	
5	LCM-320 LOOP MODULE	0.6500	0.6500	
4	LEM-320 LOOP EXPANDER	0.4000	0.4000	
1	SLC DEVICE ACTIVATION	0.2000	0.2000	
1	NCA-2 NETWORK ANNUNCIATOR	0.4000	0.3000	
28	SMOKE DETECTOR	0.0084	0.1820	
11	CARBON MONOXIDE DETECTOR	0.0033	0.0715	
29	HEAT DETECTOR	0.0087	0.1885	
1	PULL STATION	0.0003	0.0003	
5	MONITOR MODULE	0.0015	0.0015	
4	CONTROL MODULE	0.0016	0.0220	
0	RELAY MODULE	0.0000	0.0000	
36	FAULT ISOLATOR MODULE	0.0144	0.1800	
TOTAL CURRENT DRAW		3.3972	17.0378	
TOTAL STAND-BY CURRENT X 24 HOURS		=	3.397 X 24 =	81.533 A-HR
TOTAL ALARM CURRENT X 15 MINUTES		=	17.04 X 0.250 =	4.259 A-HR
TOTAL MINIMUM AMP HOURS OF BATTERIES				= 85.792 A-HR
ADDITIONAL 20% DERATING SAFETY FACTOR				= 102.951 A-HR

- NOTES:
- BATTERY CALCULATION SHALL BE BASED ON 24 HOURS OF STAND BY AND 15 MINUTES OF ALARM CURRENT
 - PROVIDE MINIMUM OF 120 A-HOURS ADDITIONAL STANDBY BATTERY POWER.
 - PROVIDE ADDITIONAL FIRE ALARM BATTERY TERMINAL CABINET

April 20, 2021

FBA ENGINEERING
 Division of the State Architect
 355 South Grand Avenue
 Suite 2100
 Los Angeles, California 90071

Subject: Fire Alarm Implementation
 Monte Vista Elementary School
 Glendale Unified School District
 FBA #212277

To whom it may concern:

The existing Fire Alarm System on this campus site is a Notifier system. The existing Fire Alarm Control Panel (FACP) is a model AFP-2020 configured to utilize Notifier protocol for SLC communication.

Under this project, the existing FACP shall be replaced with a Notifier model NSF2-3030 Fire Alarm Control Panel with Integral Emergency Voice Alarm Communication, configured to utilize SLC System Sensor IDP protocol for SLC communication. Due to this configuration, all existing SLC devices on the site that are indicated to remain, are compatible with the new FACP.

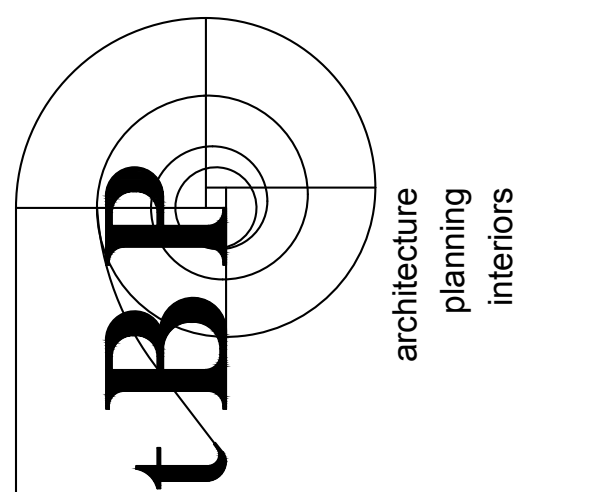
Sincerely,

Don Fleischman
 Electrical Designer

2122771.1399
 Consulting Engineers
 Electrical • Lighting • LEED/Energy • Technology • Fire Life Safety
 150 Palomar Avenue, Suite A120 • Costa Mesa, CA 92626 • T: 949.852.9995/F: 949.852.1657/FBAEngn.com

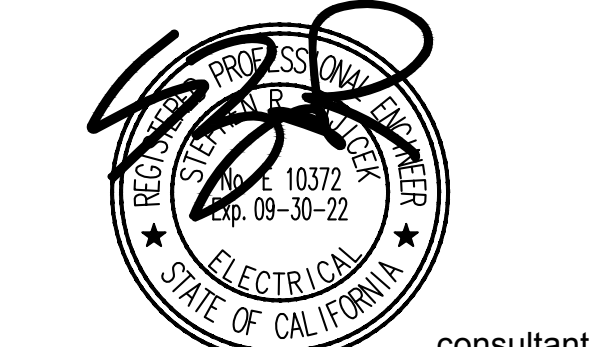
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 DIVISION OF THE STATE ARCHITECT
 355 S. GRAND AVE. SUITE 2100
 LOS ANGELES, CA 90071
 ph: 213.897.3995 fx: 213.897.3159/0726



TBP/Architecture
 4811 Teller Avenue
 Newport Beach, CA 92660
 ph: 949.673.0300

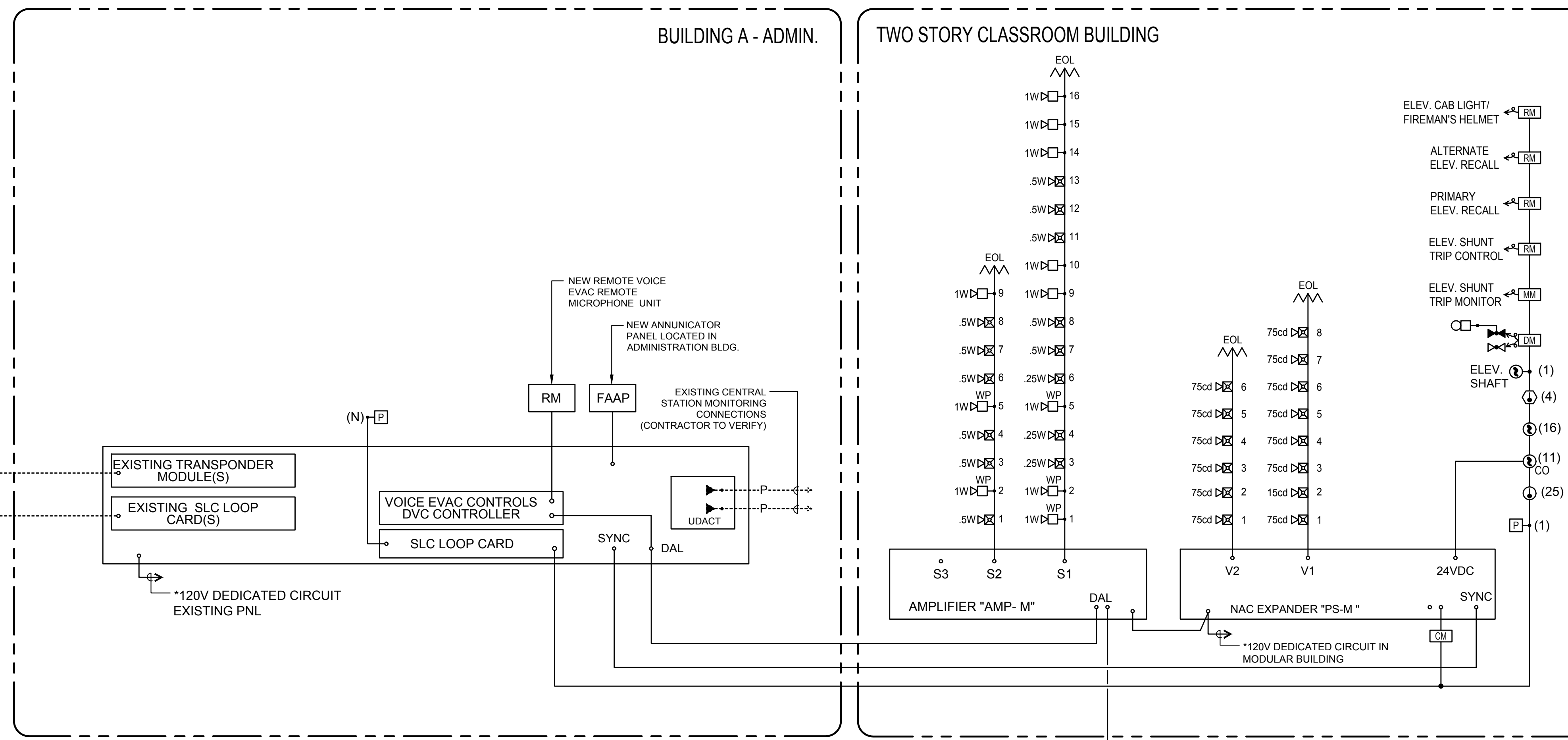
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 Costa Mesa, CA 92626
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 fbengr.com
 FBA Job Number: 212.277



MONTE VISTA ELEMENTARY SCHOOL
 2-STORY MODULAR CLASSROOM BUILDING
 owner
 TBP project number : 21066.00
 file name:
 drawn by: checked by:
 date: DECEMBER 28, 2020
 Rev. date: description:

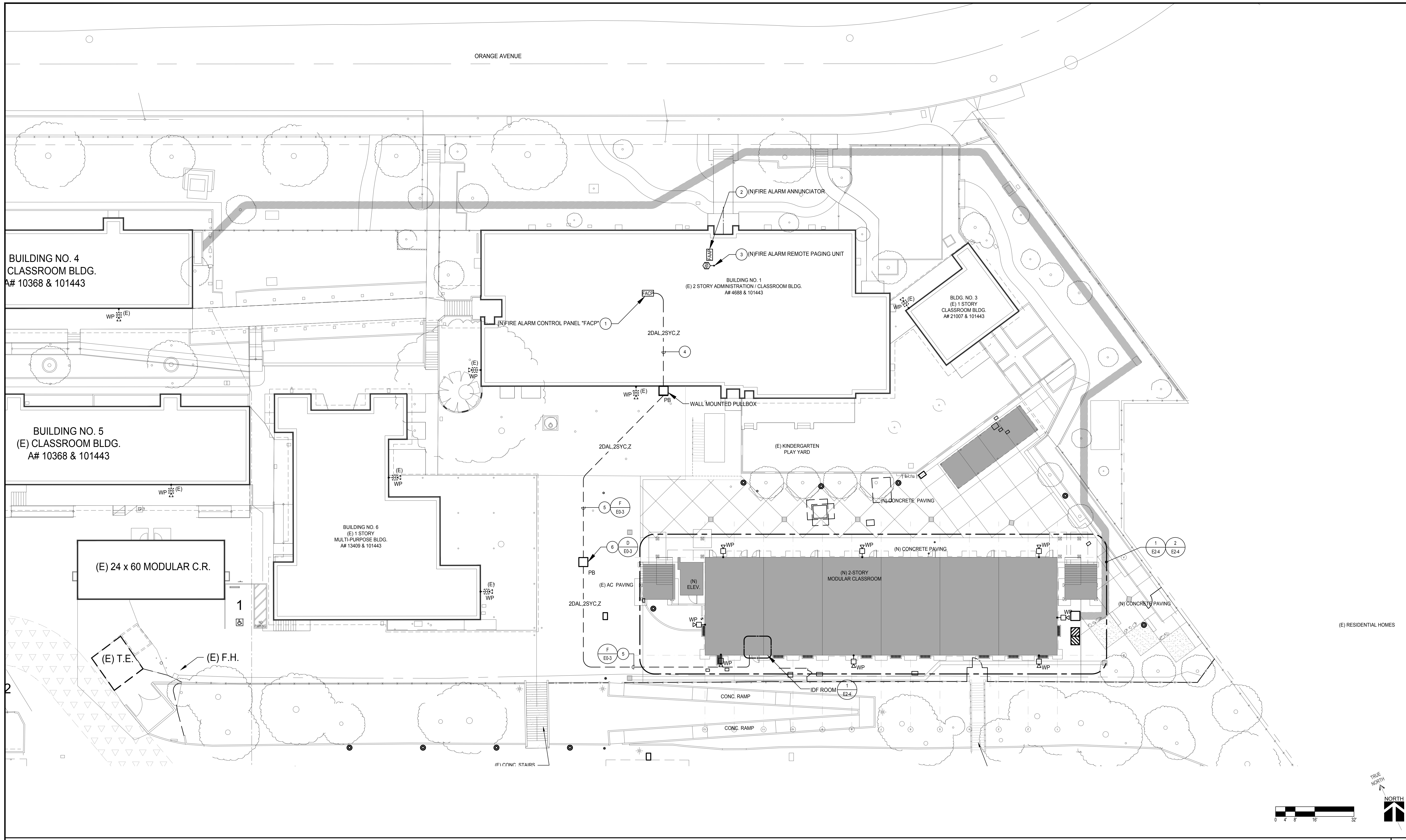
drawing title:
**FIRE ALARM RISER
 DIAGRAM AND CALCS**

drawing no.:
E2-2
 drawing of



- * 120VAC POWER FOR PANELS SHALL HAVE THE FOLLOWING:
- 120VAC SHALL BE A DEDICATED CIRCUIT
 - MECHANICALLY PROTECTED WITH LOCK-OUT TYPE DEVICE.
 - IDENTIFIED AS "FIRE ALARM CIRCUIT" MARKED IN RED.
 - ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL.
 - LOCATION OF CIRCUIT BREAKER PERMANENTLY IDENTIFIED AT FIRE ALARM CONTROL UNIT.

FBA Engineering / Plot Date: 8/17/2021 8:00 AM / Drawing Location: I:\212077\E2-3E_Enlarged Fire Alarm Site Plan-East.dwg



ENLARGED SITE FIRE ALARM PLAN 1
SCALE: 1/16" = 1'-0"

FIRE ALARM RACEWAY SCHEDULE			
WIRETAG	CONDUCTORS	CONDUIT SIZE	WIREMOLD SIZE
2DAL, 2SYC, Z	4#14 THHN (DIGITAL AUDIO LOOP) 4#12 THHN (SYNC) 2#16 TP (SLC LOOP)	1 1/2"	1 1/2"

NOTE: ALL UNDERGROUND CABLING / WIRE SHALL BE TYPE THWN OR AQUASEAL TYPE APPROVED FOR WET LOCATION

KEY NOTES

- DISCONNECT AND REMOVE EXISTING FIRE ALARM CONTROL PANEL (AFP-2020) PRESERVE ALL WIRING FOR CONNECTION TO NEW FIRE ALARM CONTROL PANEL (NFS2-3030). PROVIDE AND INSTALL NEW FIRE ALARM VOICE EVACUATION CONTROL PANEL (NFS2-3030) IN SAME LOCATION AS REMOVED FIRE ALARM CONTROL PANEL, CONNECT EXISTING WIRING AND NEW WIRING AND PROGRAM IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
- DISCONNECT AND REMOVE EXISTING FIRE ALARM NETWORK REMOTE ANNUNCIATOR PRESERVE ALL WIRING FOR CONNECTION TO NEW FIRE ALARM NETWORK REMOTE ANNUNCIATOR (LCD-160). PROVIDE AND INSTALL NEW FIRE ALARM NETWORK REMOTE ANNUNCIATOR (LCD-160) IN SAME LOCATION AS REMOVED FIRE ALARM CONTROL PANEL, CONNECT EXISTING WIRING AND NEW WIRING AND PROGRAM IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
- PROVIDE AND INSTALL NEW FIRE ALARM REMOTE PAGING UNIT (DVC-RPU) ADJACENT TO THE FIRE ALARM NETWORK REMOTE ANNUNCIATOR IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
- PROVIDE THE FOLLOWING FIRE ALARM CONDUITS AND CABLING AS SPECIFIED:
(1) 1 1/2" CONDUIT FIRE ALARM SYSTEM WITH CABLING
(1) 1 1/2" CONDUIT SPARE
ROUTE CONDUITS CONCEALED IN CEILING SPACE OF BUILDING. ROUTE TO AVOID EXISTING OBSTACLES.
- PROVIDE THE FOLLOWING UNDERGROUND FIRE ALARM CONDUITS AND CABLING AS SPECIFIED:
(1) 1 1/2" CONDUIT FIRE ALARM SYSTEM WITH CABLING
(1) 1 1/2" CONDUIT SPARE
- PROVIDE 17" X 30" X 36" DEEP PRECAST CONCRETE PULLBOX WITH BOLT DOWN TRAFFIC RATED COVER. ENGRAVE COVER TO READ "FIRE ALARM".

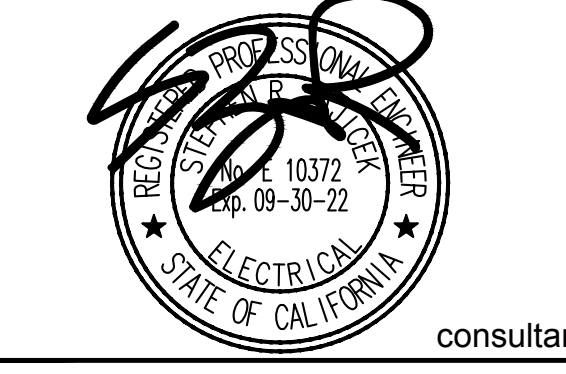
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AR 03 -
DIVISION OF THE STATE ARCHITECT
355 S. GRAND AVE. SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159/0726

tBP
architecture
planning
interiors

tBP/Architecture
4811 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300

FBA Engineering
Consulting Electrical Engineers
159 Palomares Avenue Suite A120
Costa Mesa, CA 92626
949.852.9955 • 949.852.1557 (fax)
fbacorp.com
FBA Job Number: 212.277



MONTE VISTA ELEMENTARY SCHOOL
2-STORY MODULAR CLASSROOM BUILDING

GLENDALE UNIFIED SCHOOL DISTRICT
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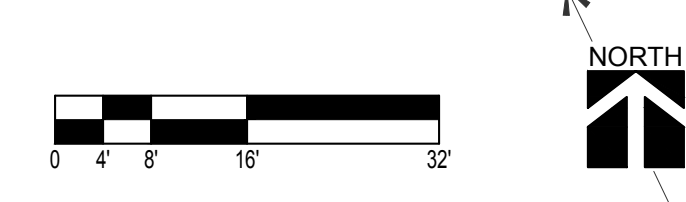
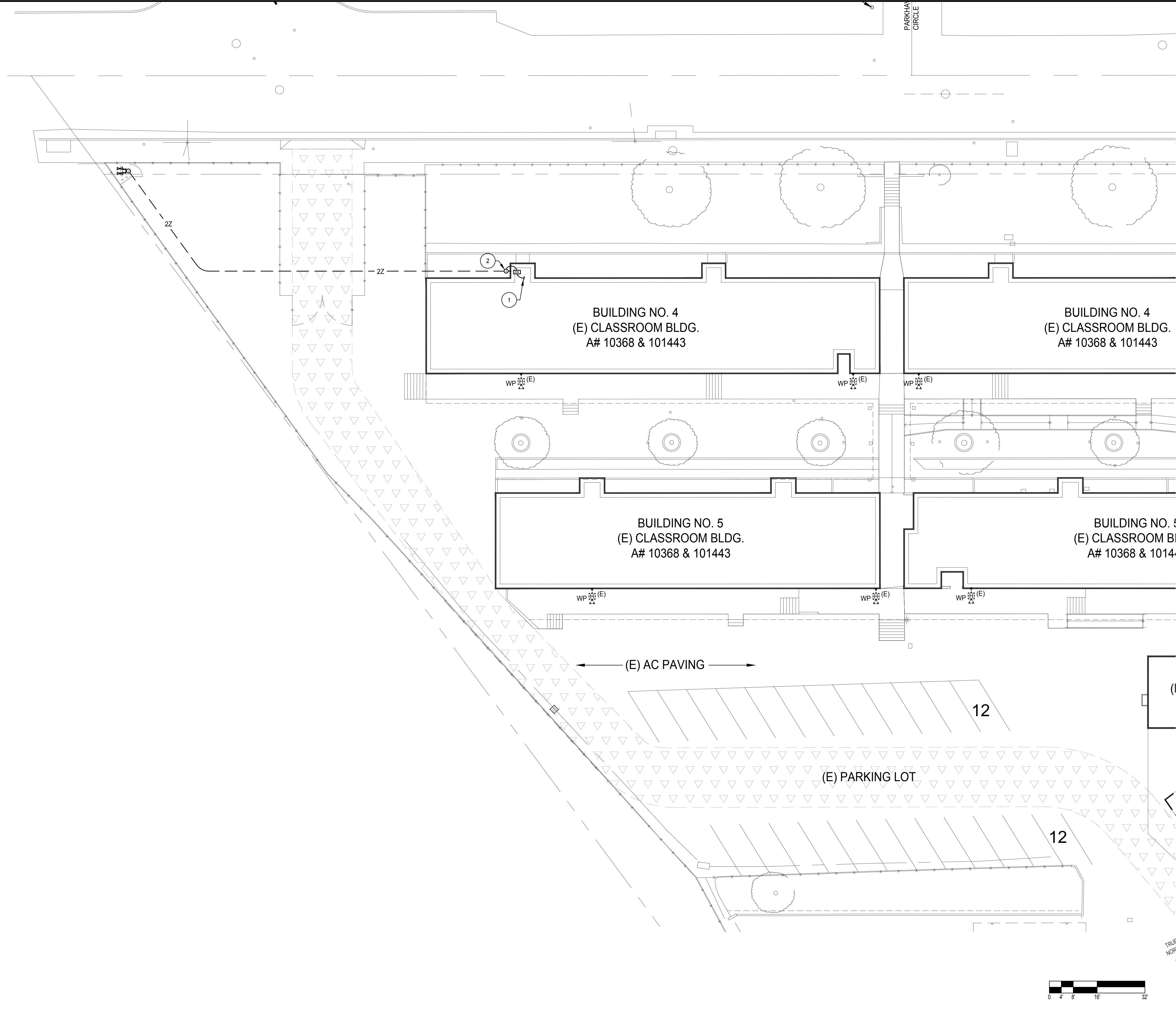
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file name:
drawn by: checked by:
date: DECEMBER 28, 2020
Rev. date: description:

drawing title:
**ENLARGED SITE
FIRE ALARM PLAN-EAST**

drawing no.:
E2-3E
drawing of

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ENLARGED SITE FIRE ALARM PLAN 1
SCALE: 1/16" = 1'-0"

FIRE ALARM RACEWAY SCHEDULE			
WIRETAG	CONDUCTORS	CONDUIT SIZE	WIREMOLD SIZE
ZZ	4#16TP (SLC LOOP)	3/4"Ø.	3/4"Ø.

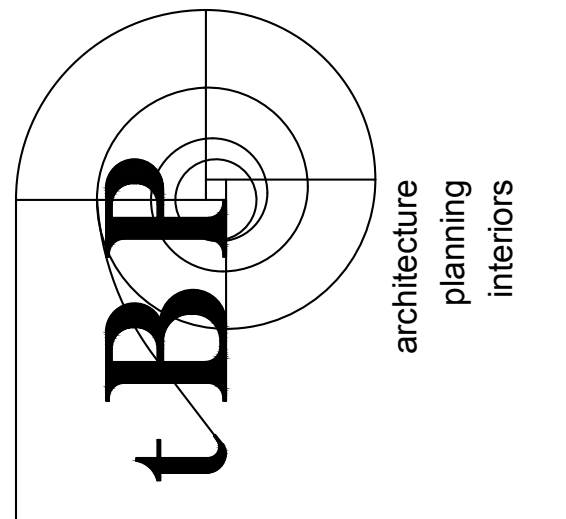
NOTE: ALL UNDERGROUND CABLING / WIRE SHALL BE TYPE THWN OR AQUASEAL TYPE APPROVED FOR WET LOCATION

FIRE ALARM PLAN NOTES

- CONNECT TO EXISTING SLC LOOP IN EXISTING BUILDING INDICATED. PROGRAM DEVICE(S) AT THE FIRE ALARM CONTROL PANEL FOR A COMPLETE MONITORING SYSTEM.
- RISER CONDUIT UP FROM UNDERGROUND TO ABOVE ACCESSIBLE CEILING SPACE AND PENETRATE INTO BUILDING. SEAL ALL CONDUIT PENETRATIONS INTO BUILDING.

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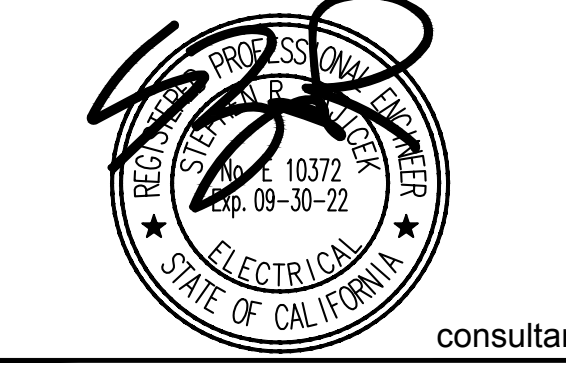
AR 03 -
DIVISION OF THE STATE ARCHITECT
355 S. GRAND AVE. SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159/0726 agency



tBP/Architecture
4811 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300

architect

FBA Engineering
Consulting Electrical Engineers
159 Palomares Avenue Suite A120
Costa Mesa, CA 92626
949.852.9995 • 949.852.1657 (fax)
fbaweb.com
FBA Abb Number: 212.277



consultant

**MONTE VISTA ELEMENTARY SCHOOL
2-STORY MODULAR CLASSROOM BUILDING**

GLENDALE UNIFIED SCHOOL DISTRICT
2620 ORANGE AVENUE
LA CRESCENTA - MONTROSE, CALIFORNIA 91214

owner

tBP project number : 21956.00

file name:

drawn by: checked by:

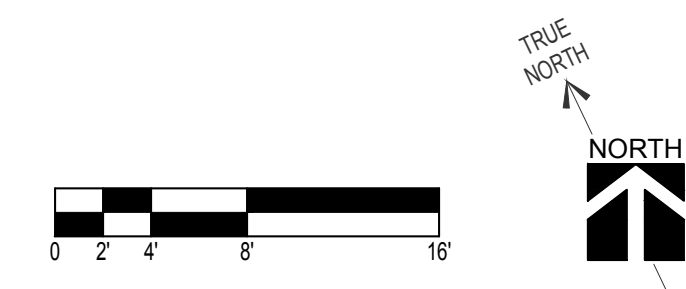
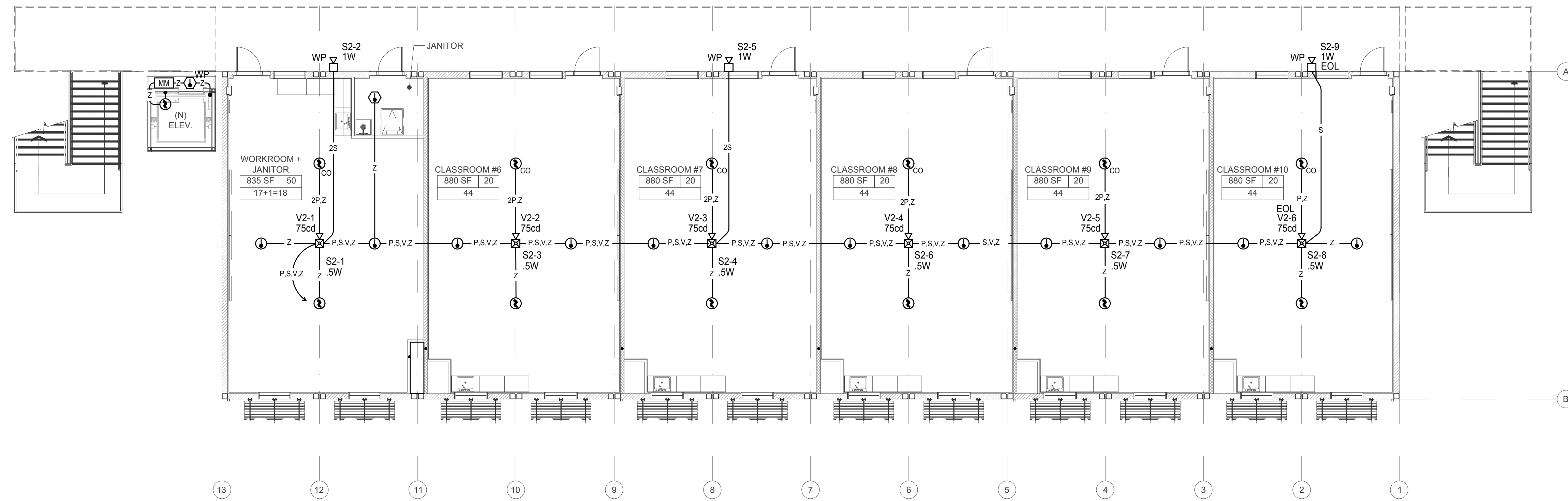
date: DECEMBER 28, 2020

Rev. date: description:

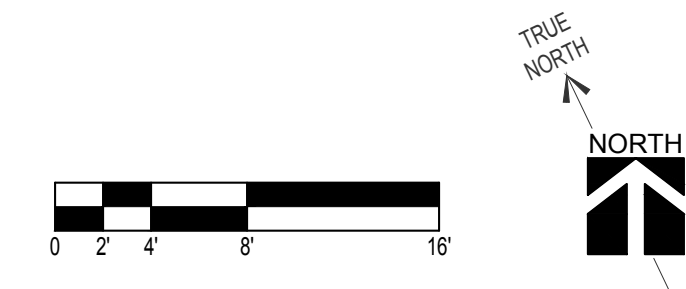
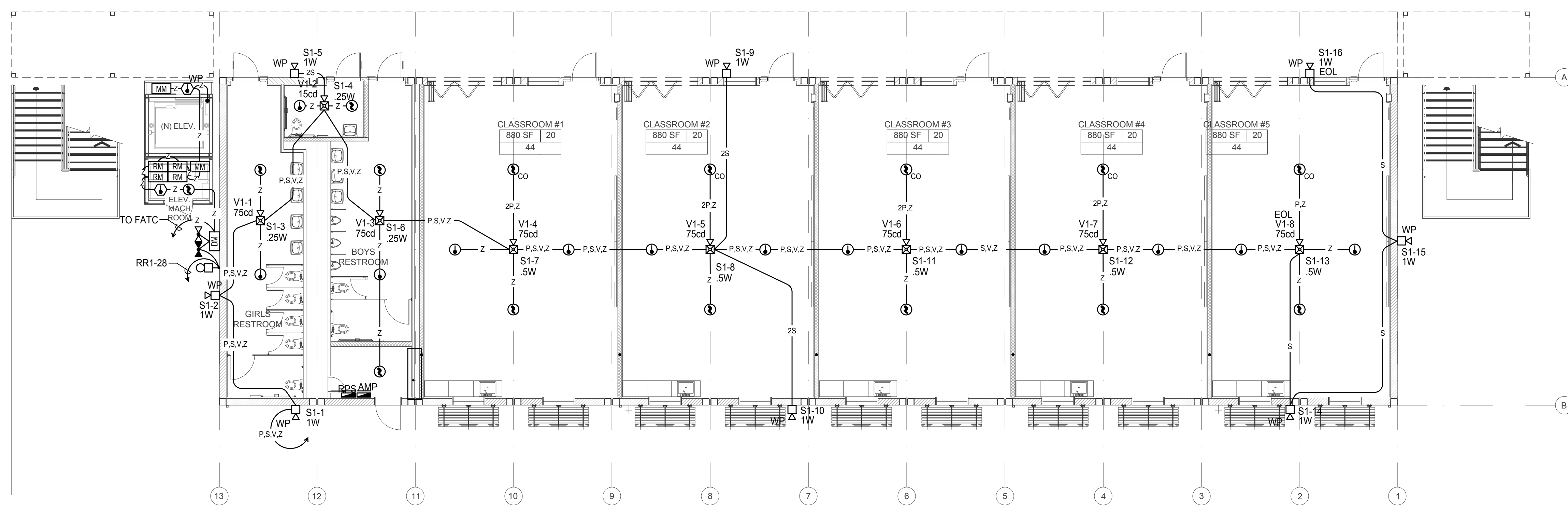
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drawing title:
**ENLARGED SITE
FIRE ALARM PLAN-WEST**

drawing no.:
E2-3W
drawing of



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



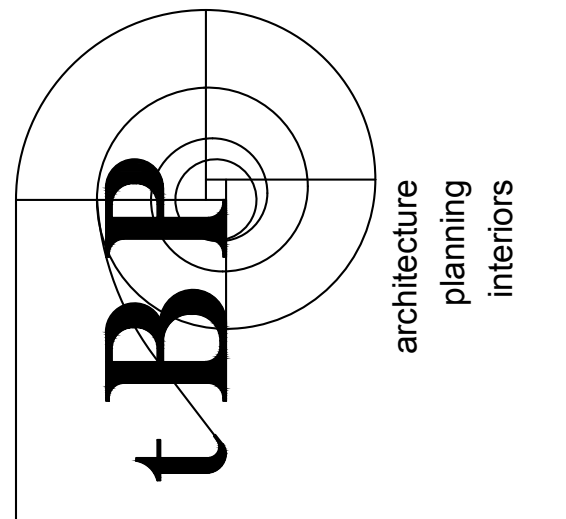
FIRST FLOOR FIRE ALARM PLAN 1
SCALE: 1/8" = 1'-0"

FIRE ALARM RACEWAY SCHEDULE			
WIRETAG	CONDUCTORS	CONDUIT SIZE	WIREMOLD SIZE
B	2#18 THHN (MISC)	3/4" C.	3/4" C.
P	2#18 THHN (24VDC)	3/4" C.	3/4" C.
S	2#16TSP (SPEAKER)	3/4" C.	3/4" C.
V	2#12THHN (STROBE)	3/4" C.	3/4" C.
Z	2#16TP (SLC LOOP)	3/4" C.	3/4" C.
2V	4#12THHN (STROBE)	3/4" C.	3/4" C.
2S	4#16TSP (SPEAKER)	3/4" C.	3/4" C.
S,V,Z	2#16 TSP (SPEAKER) 2#12 THHN (STROBE) 2#16 TP (SLC LOOP)	3/4" C.	3/4" C.
P,S,V,Z	2#18 THHN (24VDC) 2#16 TSP (SPEAKER) 2#12 THHN (STROBE) 2#16 TP (SLC LOOP)	3/4" C.	3/4" C.
2P,2S,2V,Z	4#18 THHN (24VDC) 4#16 TSP (SPEAKER) 4#12 THHN (STROBE) 2#16 TP (SLC LOOP)	1" C.	1" C.
2S,2V,Z	4#16 TSP (SPEAKER) 4#12 THHN (STROBE) 2#16 TP (SLC LOOP)	1" C.	1" C.
SB	4#16 THHN (SBUS)	1" C.	1" C.
VB	2#16 THHN (VBUS) (SHIELDED)	1" C.	1" C.

NOTE: ALL UNDERGROUND CABLING / WIRE SHALL BE TYPE THWN OR AQUASEAL TYPE APPROVED FOR WET LOCATION

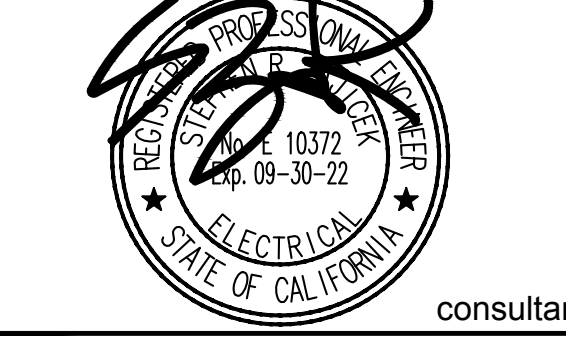
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SS FLS ACS
DATE: 09/29/2021

AR 03 -
DIVISION OF THE STATE ARCHITECT
355 S. GRAND AVE. SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159/0726



BPP/Architecture
4811 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300

FBA Engineering
Consulting Electrical Engineers
159 Palomares Avenue Suite A120
Costa Mesa, CA 92626
949.852.9995 • 949.852.1657 (fax)
fbeng.com
FBA Job Number: 212.277



MONTE VISTA ELEMENTARY SCHOOL
2-STORY MODULAR CLASSROOM BUILDING
GLENDALE UNIFIED SCHOOL DISTRICT
2620 ORANGE AVENUE
LA CRESCENTA - MONTEROSE, CALIFORNIA 91214

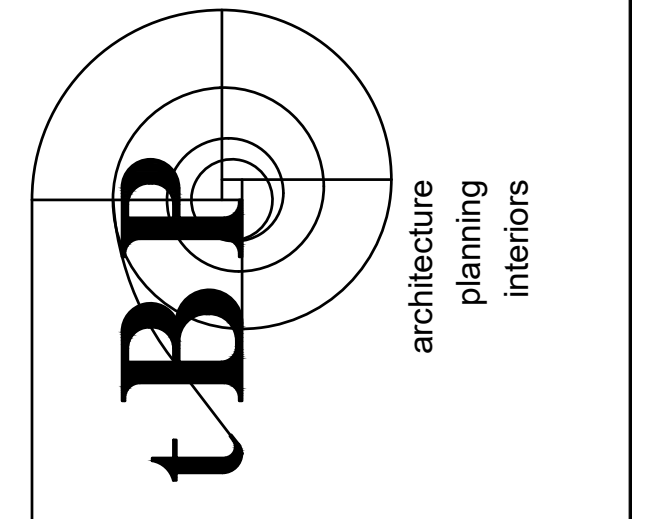
owner

file name:
file name:
checked by:
checked by:
date: DECEMBER 28, 2020
date: DECEMBER 28, 2020
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description:

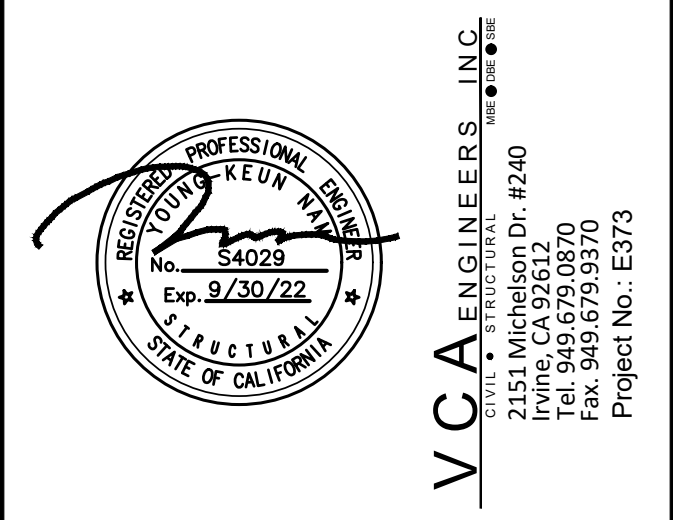
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drawing title:
MODULAR BUILDING
FIRE ALARM PLANS

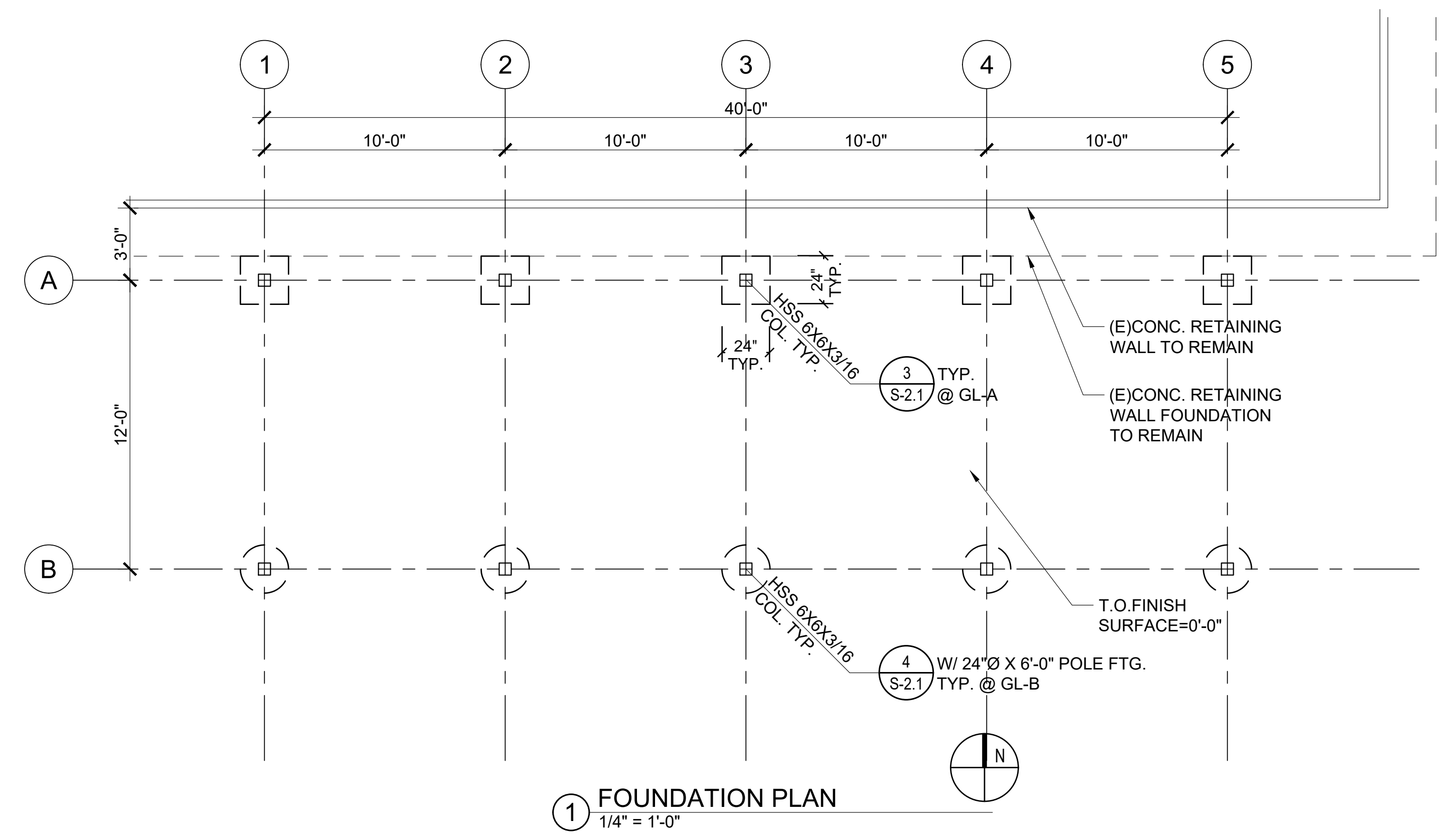
drawing no.:
E2-4
drawing of



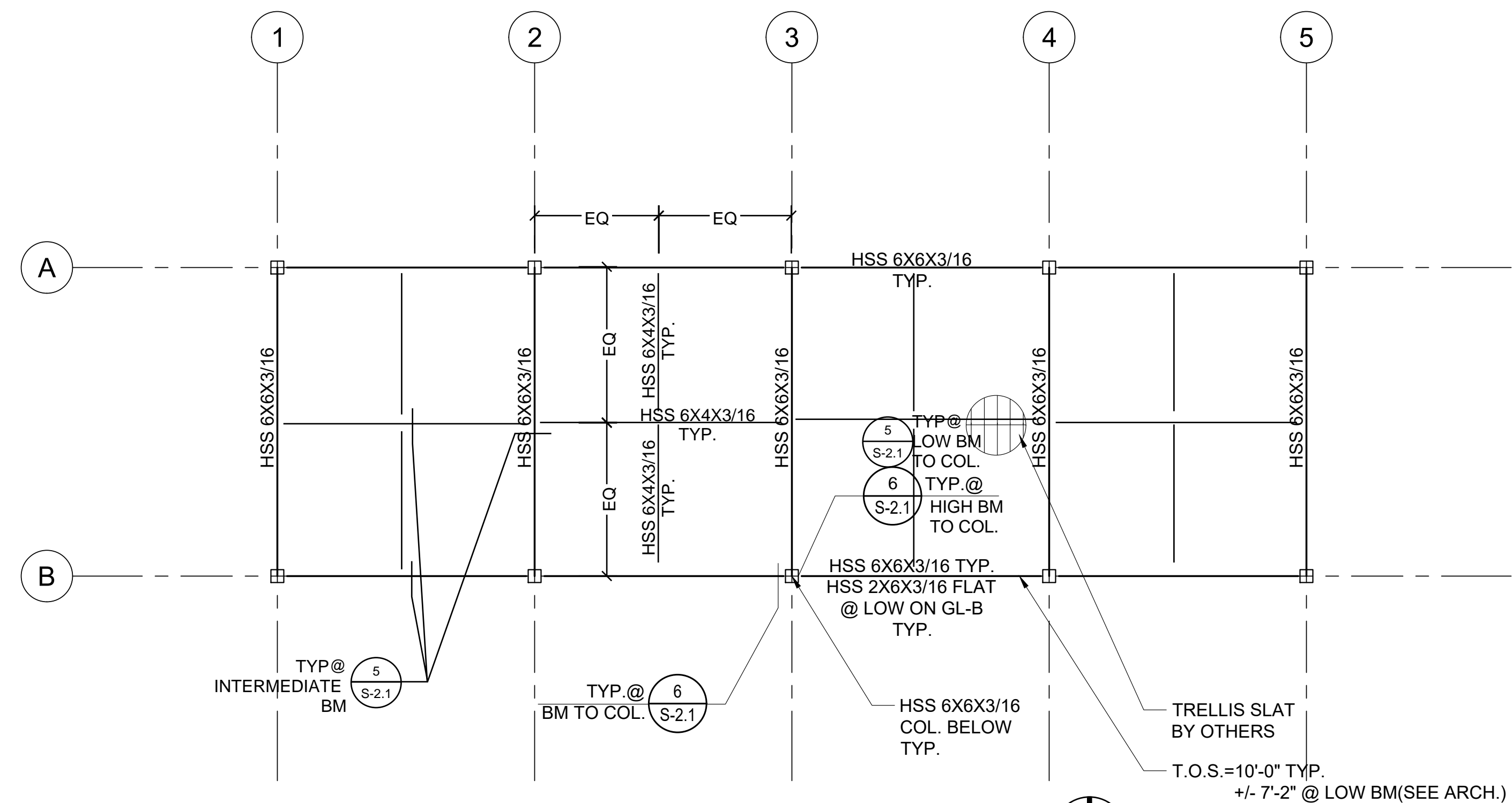
tBP/Architecture
 4611 Teller Avenue
 Newport Beach, CA 92660
 ph: 949.673.0300
 architect



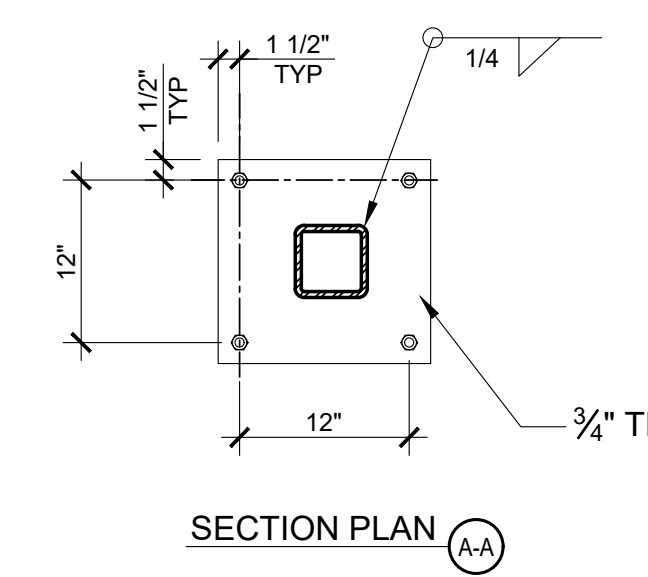
consultant



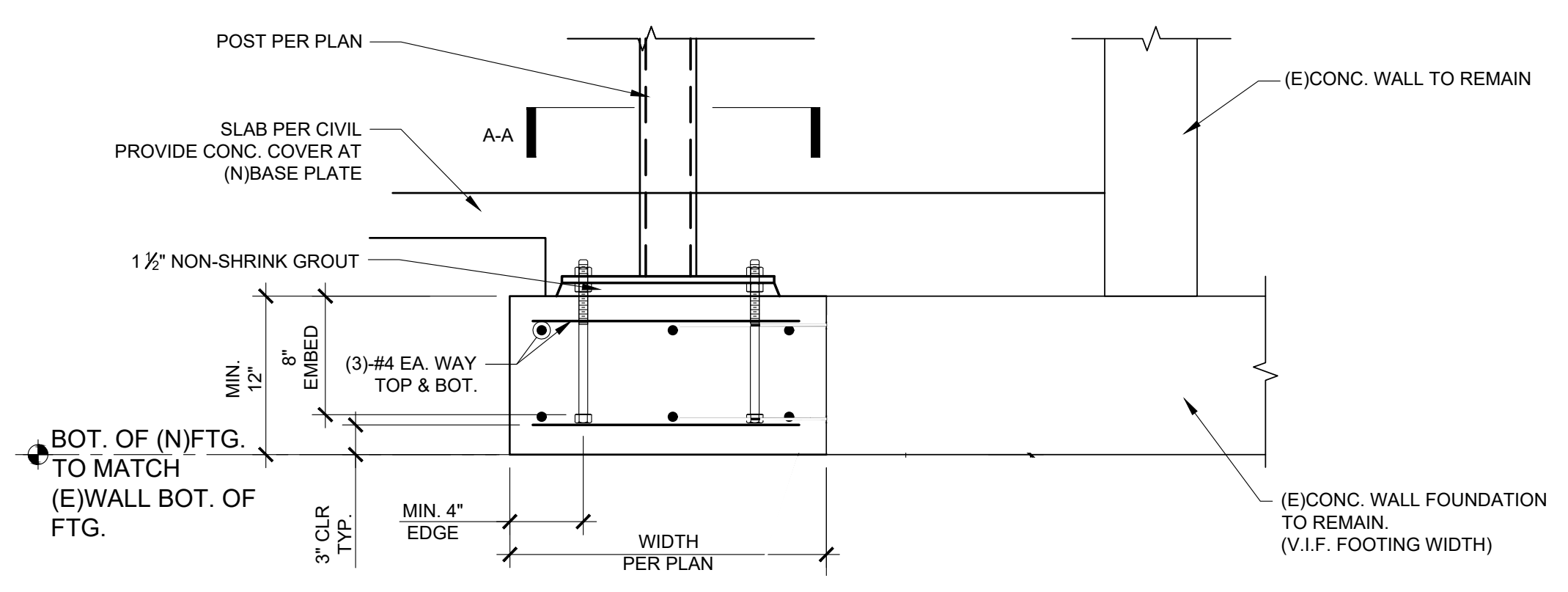
1 FOUNDATION PLAN
 1/4" = 1'-0"



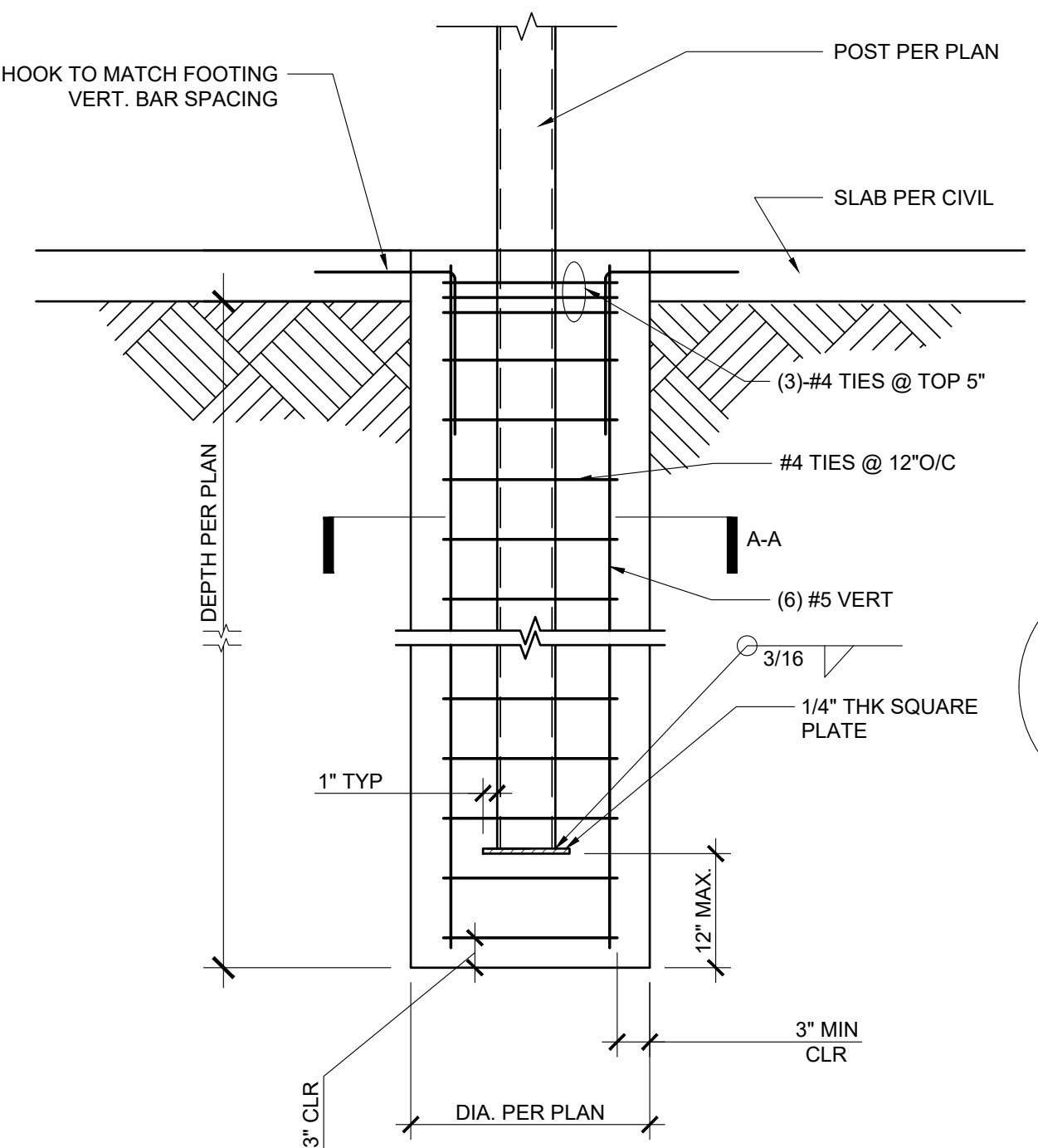
2 ROOF FRAMING PLAN
 1/4" = 1'-0"



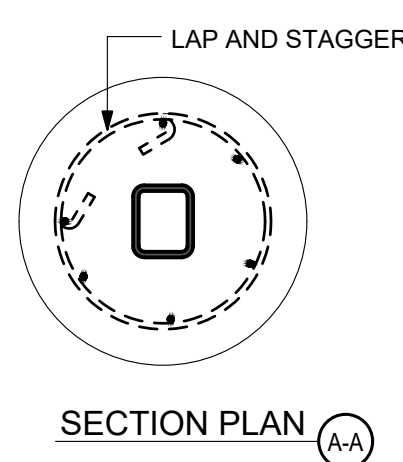
SECTION PLAN AA



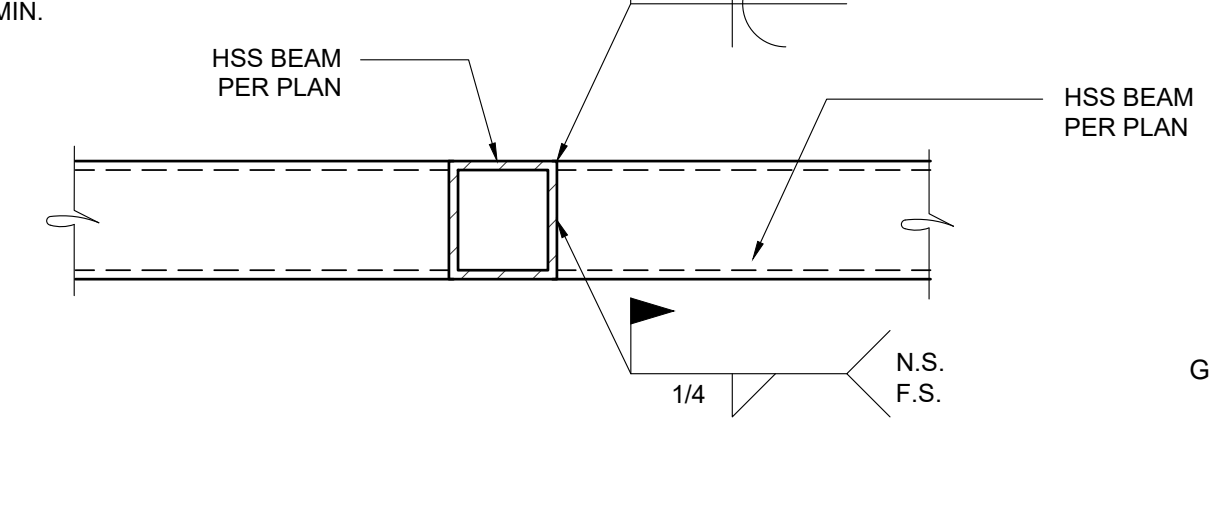
3 POST @ (E)CONC. WALL FOOTING DETAIL
 N.T.S.



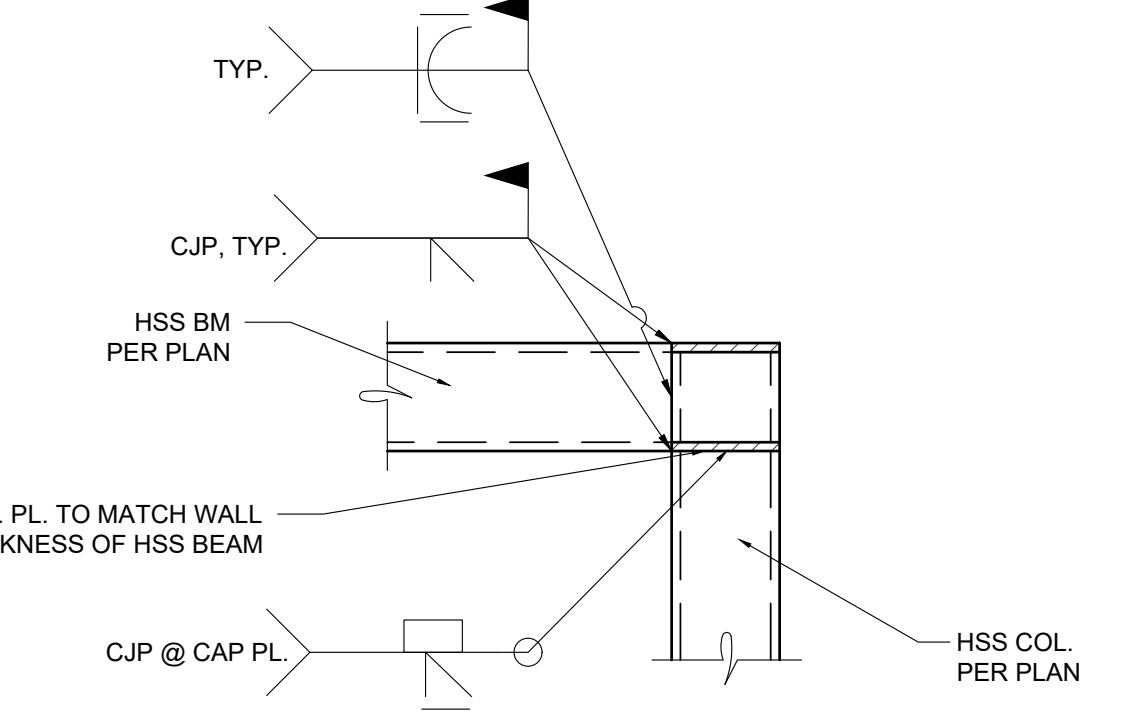
4 POLE FOOTING DETAIL
 N.T.S.



SECTION PLAN AA



5 HSS BEAM TO BEAM CONNECTION
 N.T.S.



6 HSS BEAM TO COL. CONNECTION
 N.T.S.

**MONTE VISTA ELEMENTARY SCHOOL
 2-STORY MODULAR CLASSROOM BUILDING**
 owner
 GLENDALE UNIFIED SCHOOL DISTRICT
 2620 ORANGE AVENUE
 LA CRESCENTA, CALIFORNIA 91214

tBP project number :	21056.01
file name:	
drawn by:	checked by:
date:	APRIL 21, 2021
Rev:	date: description:

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 drawing title:
FOUNDATION/ROOF FRAMING PLAN W/ DETAILS
 drawing no.:
S-2.1
 drawing of

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2017

- 2019 CALIFORNIA ADMINISTRATIVE CODE (CAC) - PART 1, TITLE 24, CCR
- 2019 CALIFORNIA BUILDING CODE (CBC), VOLUME 1 & 2 - (PART 2, TITLE 24 CCR) BASED ON THE 2015 INTERNATIONAL BUILDING CODE
- 2019 CALIFORNIA ELECTRICAL CODE (CEC) - (PART 3, TITLE 24, CCR) BASED ON THE 2014 NATIONAL ELECTRIC CODE
- 2019 CALIFORNIA MECHANICAL CODE (CMC) - (PART 4, TITLE 24, CCR) BASED ON THE 2015 UNIFORM MECHANICAL CODE
- 2019 CALIFORNIA PLUMBING CODE (CPC) - (PART 5, TITLE 24, CCR) BASED ON THE 2015 UNIFORM PLUMBING CODE
- 2019 CALIFORNIA ENERGY CODE (CEC) - (PART 6, TITLE 24, CCR)
- 2019 CALIFORNIA FIRE CODE (CFC) - (PART 9, TITLE 24, CCR) BASED ON THE 2015 INTERNATIONAL FIRE CODE
- 2019 CALIFORNIA GREEN BUILDING CODE (CGC) - (PART 11, TITLE 24, CCR)
- 2019 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

PARTIAL LIST OF APPLICABLE STANDARDS

- NFPA 13 AUTOMATIC SPRINKLER SYSTEM 2016 EDITION
- NFPA 14 STANDPIPE AND HOSE SYSTEMS 2013 EDITION
- NFPA 17 DRY CHEMICAL EXTINGUISHING SYSTEMS 2013 EDITION
- NFPA 17A WET CHEMICAL EXTINGUISHING SYSTEMS 2013 EDITION
- NFPA 20 STATIONARY PUMPS 2016 EDITION
- NFPA 24 PRIVATE FIRE MAINS 2016 EDITION
- NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED) 2016 EDITION
- NFPA 253 (NOTE: SEE UL, STANDARD 1971 FOR "VISUAL DEVICES") CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS 2015 EDITION
- NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS 2015 EDITION

GENERAL NOTES

- ELEVATOR AND ELEVATOR STRUCTURE IS REQUIRED BUT IS PER PC 03-118291.
- FIRE ALARM SYSTEM IS NOT PART OF THIS APPROVAL. REFER TO SITE FIRE ALARM PLANS.
- FIRE SPRINKLER SYSTEM IS NOT PART OF THIS APPROVAL. REFER TO FIRE SPRINKLER DRAWINGS.
- BUILDING EXTING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC.
- BUILDINGS LOCATED IN FIRE HAZARD SEVERITY ZONES PER WILDLAND URBAN INTERFACE FIRE AREAS (WUI) SHALL CONFORM TO CBC CHAPTER 7A.
- BUILDING IS NOT APPROVED TO HOUSE KINDERGARTEN, FIRST OR SECOND GRADE ABOVE THE FIRST STORY IN CONFORMANCE TO C.B.C. 442.1.4. NOT FOR USE IN SPECIAL HAZARD SUCH AS SCIENCE LAB AND VOCATIONAL SHOP OCCUPANCY.
- SITE SPECIFIC PROJECTS INCLUDING THESE APPROVED BUILDING PLANS MUST BE SUBMITTED TO DSA FOR REGULAR PROJECT REVIEW AND MAY NOT BE SUBMITTED FOR OVER-THE-COUNTER (OTC) PLAN REVIEW.
- THIS BUILDING REQUIRES AN AUTOMATIC FIRE SPRINKLER SYSTEM (AFSS) APPROVED BY DSA. THE FIRE SPRINKLER SYSTEM PLANS, FIRE FLOW TEST, UNDERGROUND PIPING SYSTEM, HYDRAULIC CALC'S, AND LOCAL FIRE SIGN OFF MUST BE PROVIDED WITH SITE SPECIFIC PROJECT. DESIGN AND PLANS FOR THE AFSS MAY NOT BE DEFERRED. (NOTE: SEE BUILDING DATA THIS SHEET FOR FIRE SPRINKLER SYSTEM WEIGHT INCLUDED IN BUILDING DESIGN)
- IF THE STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F, OVER-THE-COUNTER SUBMITTAL IS NOT ALLOWED AND REGULAR PROJECT SUBMITTAL IS REQUIRED. IF THE SITE IS NOT IN A MAPPED LIQUEFACTION HAZARD ZONE, IT MAY BE PRESUMED THAT NO LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD. BUILDING FOUNDATIONS ARE NOT DESIGNED FOR LIQUEFIABLE SOILS.
- THIS BUILDING IS NOT DESIGNED FOR FLOOD HAZARD AREAS.
- THE PLACEMENT OF THE BUILDING(S) ON OR ADJACENT TO SLOPES SHALL COMPLY WITH THE FOUNDATION CLEARANCES FROM SLOPES' SPECIFICATIONS FOUND ON SHEET N2.0 OF THESE DRAWINGS.
- BUILDING SHALL NOT BE PLACED OR BE RELOCATED IN AREAS HAVING A NOISE CONTOUR GREATER THAN OR EQUAL TO 65 CNEL, OR IN AREAS EXPOSED TO A NOISE LEVEL OF 65 dBA L_{1hr} DURING ANY HOUR OF OPERATION WHEN NOISE CONTOURS ARE NOT READILY AVAILABLE, AS SPECIFIED IN CALGREEN CODE, SECTION 5.507.4.1 & 5.507.4.1.1.
- THIS BUILDING IS NOT DESIGNED FOR SNOW LOADS.
- THE BUILDING MANUFACTURER SHALL LEAVE FOR THE BUILDING OWNER AT OCCUPANCY THE 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 MECHANICAL EQUIPMENT AND LIGHTING SYSTEMS.

SITE-SPECIFIC OPTIONS

ROOFING	<input checked="" type="checkbox"/>	SINGLE-PLY
FLOOR DECK	<input checked="" type="checkbox"/>	3WH DECK 3"x18 GA.
FLOOR LIVE LOAD	<input checked="" type="checkbox"/>	UPPER FLOOR 50+15 PSF
	<input checked="" type="checkbox"/>	GROUND FLOOR 50+15 PSF
WALL STUDS	<input checked="" type="checkbox"/>	LIGHT-GAUGE STEEL (SEE S9.0-S9.2)
EXTERIOR WALL FINISH	<input checked="" type="checkbox"/>	STUCCO
PARAPET	<input checked="" type="checkbox"/>	SEE S4.4 & S4.5
HVAC	<input checked="" type="checkbox"/>	ROOF MOUNTED
CEILING HEIGHT	<input checked="" type="checkbox"/>	9'-0"
FIRE SPRINKLERS	<input checked="" type="checkbox"/>	(SEE GENERAL NOTES #3 & #9 THIS SHEET)
SOLATUBE ON ROOF	<input checked="" type="checkbox"/>	YES
STAIRS	LIVE LOAD = 100PSF R=2.50 I _o =1.25 C _d =2.50 P=1.3 I _e =1.25 STEEL SPECIAL CANTILEVER COLUMN SYSTEM	
	<input checked="" type="checkbox"/>	SEE PAGE S11.0
	<input checked="" type="checkbox"/>	STAIR WIDTH 6'-6"
	<input checked="" type="checkbox"/>	STAIR DECK 3"x18GA.
ELEVATOR ROOF	<input type="checkbox"/>	NO
	<input checked="" type="checkbox"/>	YES (SEE SHEET S13.0 - FOR 44' MEM ELEVATOR TOWER)
LIQUEFIABLE SOILS	<input checked="" type="checkbox"/>	NO
	<input type="checkbox"/>	YES (SEE GENERAL NOTE #13 THIS SHEET)

GEOTECHNICAL FIRM: SALEM ENGINEERING GROUP, INC.	
GEOTECHNICAL REPORT #:	3-220-0584 DATE: 09-18-20
GEOTECHNICAL REPORT #:	3-220-0584 DATE: 09-18-20
ALLOWABLE SOIL BEARING CAPACITY (PSF)	DEAD LOAD: 2,000 PSF
	DEAD + LIVE LOAD: 2,500 PSF
	TOTAL LOAD, INCLUDING WIND OR SEISMIC LOADS: 3,325 PSF
DEEPER FOOTINGS REQUIRED?	<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES - REQUIRED DEPTH: 18" MINIMUM
WIDER FOOTINGS REQUIRED?	<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES - REQUIRED WIDTH: 15" MINIMUM
OTHER FOUNDATION REQUIREMENTS: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES - EXPLAIN	
* INCREASE IN SOIL BEARING CAPACITY FOR LATERAL LOAD COMBINATIONS NOT PERMITTED UNLESS USING ALTERNATIVE BASIC LOAD COMBINATIONS PER CBC SECTION 1605A.3.2	

BUILDING DATA	
OCCUPANCY	E
TYPE OF CONSTRUCTION	V-B WITH AN AUTOMATIC FIRE SPRINKLER FOR HEIGHT AND ONE STORY INCREASE
WIND LOAD	V = 101 MPH - WIND SPEED ASCE 7-16 SECTION 28.5.3 SIMPLIFIED PROCEDURE EXPOSURE = C RISK CATEGORY III K _{z1} = 1.0 K _{z2} = 1.40 ROOF ANGLE = 1.2°
FLOOR LIVE LOAD (PSF)	UPPER FLOOR 50+15 GROUND FLOOR 50+15 SKYWALK 100 STAIRS 100 BALCONY 100
ROOF LIVE LOAD (MAX PSF)	20 (NOT REDUCIBLE)
SNOW LOAD	NOT CONSIDERED
DESIGN DEAD LOADS (MAX PSF)	UPPER FLOOR ROOF: 17 (20 OVERHANG) GROUND FLOOR ROOF: 18.0 FLOORS: 47.0 BALCONY: 64.0 EXTERIOR WALLS: 15.0 PARAPETS: 15.0 STAIRS: 40.0 STAIR LANDINGS: 47.0 SKYWALKS: 65.0
FIRE SPRINKLER SYSTEM DESIGN WEIGHT @ ROOF (PSF)	1.5 PSF AT ROOF (SEE GENERAL NOTES #3 & #9 THIS SHEET)
DESIGN SOIL BEARING CAPACITY ⁽⁶⁾ (PSF)	2,000
FLOOD HAZARD AREA	BUILDING NOT DESIGNED FOR FLOOD HAZARD AREA
BUILDING AREA (SQ. FT.)	BUILDING: 11,506.6 SF. (LOWER), 5,753.3 SF. (UPPER) - 5,753.3 SF. BALCONY/OVERHANG: 2,301.2 SF. STAIRS: 453.2 SF. SKYWALK: 222.3 SF. ELEVATOR: 126.4 TOTAL BUILDING AREA: 14,609.7
CLIMATE ZONE	9
STRUCTURAL SYSTEM	LIGHT MODULAR STEEL MOMENT FRAMES PER CBC SECTION 2212A
MODULES	12x40' MODULES
FOUNDATION TYPE ⁽⁶⁾	CONCRETE

SITE SPECIFIC SEISMIC CRITERIA:

SITE SPECIFIC S_s = 2.149 SITE CLASS = C

SITE SPECIFIC S₁ = 0.765 (SEE FOOTNOTE (6) BELOW IF S₁ > 0.75)

SEISMIC: RISK CATEGORY II

Ω_o = 3.0 T = 0.370s R = 3.5 (OMF) F_v = 1.4

ρ = 1.0 C_d = 3.0 SEISMIC DESIGN CATEGORY: D (S₁ ≤ 0.75)
E (0.75 < S₁ < 1.5)⁽⁶⁾

I_e = 1.25

LATERAL FORCE RESISTING SYSTEM: LIGHT MODULAR STEEL MOMENT FRAMES PER CBC SECTION 2212A
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

NOTE:
ALL COMPONENTS AND CLADDING DESIGNED FOR S_{ps}=1.90.

FOOTNOTES:
(6) A GEOTECHNICAL REPORT AND GEOHAZARD REPORT IS REQUIRED PER 2019 CAC 4317(b) AND 2019 CBC SECTION 1803A. THE GEOHAZARD REPORT MUST BE SUBMITTED TO DSA FOR ACCEPTANCE. A 25% INCREASE IN SOIL BEARING CAPACITY IS NOT PERMITTED UNLESS USING THE ALTERNATIVE BASIC LOAD COMBINATIONS PER CBC SECTION 1605A.3.2.
(7) PER CBC SECTION 1616A.1.3, FOR BUILDINGS ASSIGNED TO SEISMIC DESIGN CATEGORY E (S₁ > 0.75), A GROUND MOTION HAZARD ANALYSIS SHALL BE PERFORMED IN ACCORDANCE WITH ASCE 7, CHAPTER 21 AS MODIFIED BY SECTION 1803A.6 OF THE 2019 CBC.

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(1) 144' x 40'
2 STORY MODULAR CLASSROOM BUILDING

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ARCHITECTURAL	
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FLOOR PLANS	A1.0, A1.1, A1.2
ROOF PLAN & DETAILS	A2.0, A2.1
INTERIOR ELEVATIONS	A4.0A, A4.0B, A4.1
EXTERIOR ELEVATIONS & ARCH. DETAILS	A5.0, A5.1
MISC. DETAILS	A7.2, A8.2
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ROOF FRAMING PLAN & DETAILS	S3.0, S3.1, S4.0, S4.1
PAPAPET PLAN & DETAILS	S4.4
BUILDING FRAMING ELEVATIONS & DETAILS	S5.0, S5.1, S5.2, S5.3
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DETAILS	M1.4, M1.5
MISCELLANEOUS	M1.7
ELECTRICAL	
FLOOR PLANS & DETAILS	E1.0, E1.1, E1.2, E1.3
PLUMBING	
FLOOR PLAN & DETAILS	P1.0, P2.0, P3.0
FIRE SPRINKLERS	
FLOOR PLANS & DETAILS	FS-1, FS-2, FS-3

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DIV. OF THE STATE ARCHITECT
APP: 03-121419 INC:
REVIEWED FOR
SS FLS ACS
DATE: 09/29/2021

AMS
American Modular Systems
787 Spreckels Ave.,
Manteca, CA 95336
Phone (209) 825-1921
Fax (209) 825-7018
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SET NAME
(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC

PROFESSIONAL ARCHITECT
PATRICK CANNON
No. C12631
Ren. 3-31-23
STATE OF CALIFORNIA

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

REVISIONS

DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE: TITLE SHEET

SHEET NUMBER:
TS

DOORS						FRAMES			REMARKS	
DOOR NO.	DOOR TYPE	DOOR SIZE	QUANTITY	MATERIAL	FINISH	HARDWARE SET NO.	FRAME TYPE	MATERIAL		FINISH
1	D1	3'-0" x 7'-0"	11	HM	PT	A	(F1)	STL	PT	HARDWARE LOCKABLE FROM THE INSIDE, SEE DOOR NOTE #3
2	D2	3'-0" x 7'-0"	2	HM	PT	B	(F1)	STL	PT	
3	D2	3'-0" x 7'-0"	1	HM	PT	C	(F1)	STL	PT	
4	D1	3'-0" x 7'-0"	1	HM	PT	D	(F2)	STL	PT	
5	D2	3'-0" x 7'-0"	1	HM	PT	D	(F1)	STL	PT	

DOOR ABBREVIATIONS
 HM - HOLLOW METAL
 AL - ALUMINUM
 S - STEEL
~~SS - STAINLESS STEEL~~
 STL - STEEL FRAME, 16ga. FULLY WELDED
~~WWF - WINDOW WALL FRAME~~

DOOR NOTES
 1. DOORS SHALL COMPLY WITH C.B.C. SECTION 1010. CLASSROOMS > 1000 S.F. WILL REQUIRE PANIC HARDWARE THAT COMPLIES WITH C.B.C. SECTION 1010.1.10.
 2. PER C.B.C. 1010.1.11: PROVIDE LOCKS THAT ALLOW DOORS TO CLASSROOMS AND ANY ROOM WITH AN OCCUPANCY OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INSIDE. LOCKS SHALL COMPLY WITH C.B.C. SECTION 1010.1.9.
 3. DOORS THAT ARE CONSIDERED A HAZARDOUS LOCATION SHALL CONTAIN FULLY TEMPERED SAFETY GLAZING & MEET THE FOLLOWING REQUIREMENTS:
 A. PASS THE IMPACT TEST REQUIREMENTS IN ACCORDANCE WITH "CPS 16 CFR PART 1201" PER SECTION 2406.2, WITH A TEST CRITERIA OF CATEGORY II, UNLESS OTHERWISE INDICATED IN C.B.C. TABLE 2406.2(1).
 B. IDENTIFICATION OF SAFETY GLAZING PER C.B.C. 2406.3

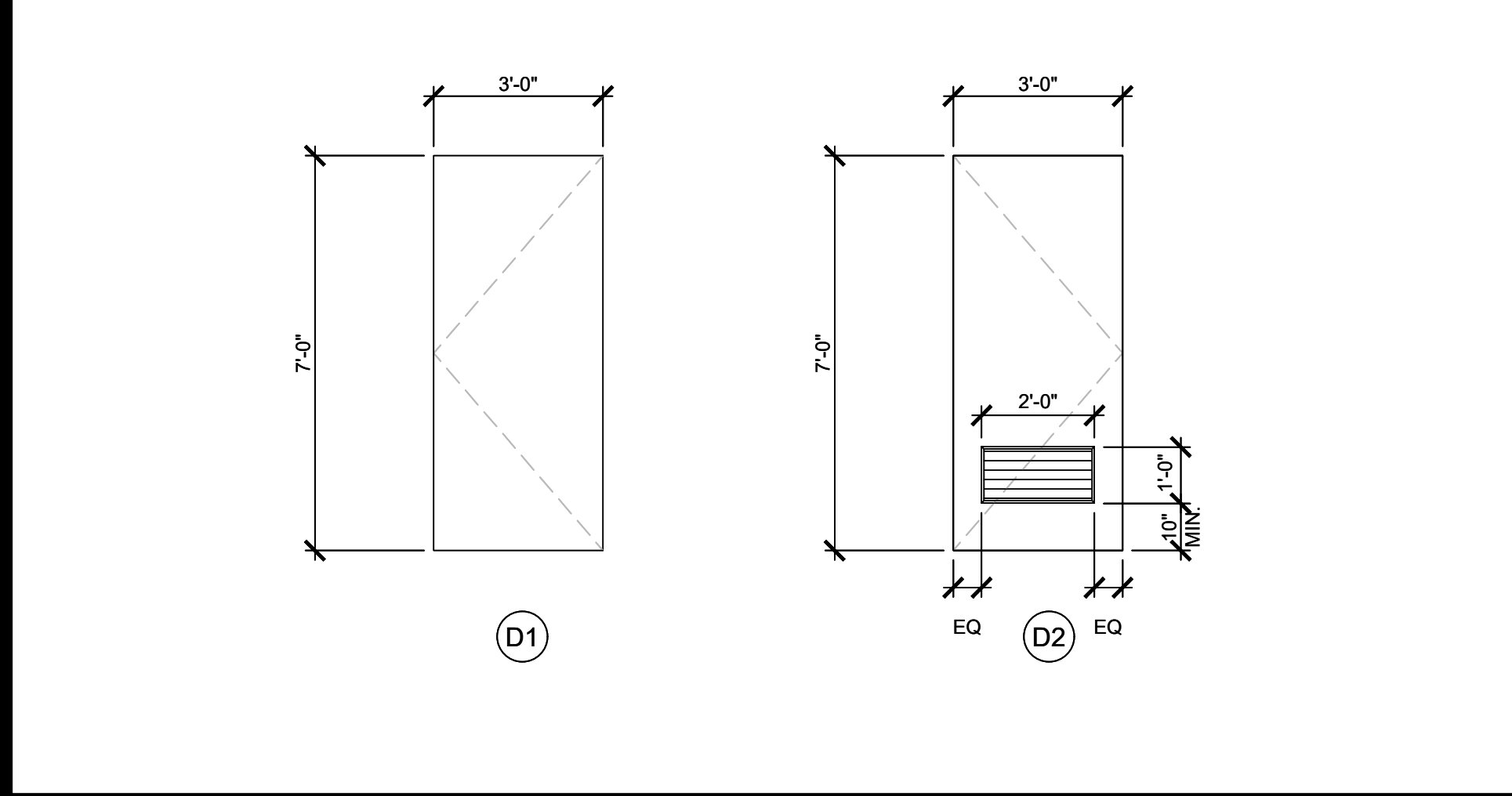
DOOR NOTES
 SC - SOLID CORE WOOD
~~HC - HOLLOW CORE WOOD~~
 PT - PAINTED
 CA - CLEAR ANODIZED
~~BR - BRONZE ANODIZED~~
 CLR - CLEAR FINISH

WINDOW TYPE	QTY.	FUNCTION	W' WIDTH	H' HEIGHT	FINISH	GLASS TYPE	U FACTOR	SHGC	VT MIN	MIN STC RATING	REMARKS
A	22	OPERABLE	4'-0"	5'-0"	CLEAR ANODIZED	SOLAR GREY	0.780	0.430	0.37	27	MANUAL
B	5	OPERABLE	4'-0"	5'-0"	CLEAR ANODIZED	SOLAR GREY	0.780	0.430	0.37	27	MANUAL W/4" MAXIMUM OPENING LIMIT
C	11	OPERABLE	4'-0"	5'-0"	CLEAR ANODIZED	SOLAR GREY	0.780	0.430	0.37	27	MOTORIZED W/4" MAXIMUM OPENING LIMIT

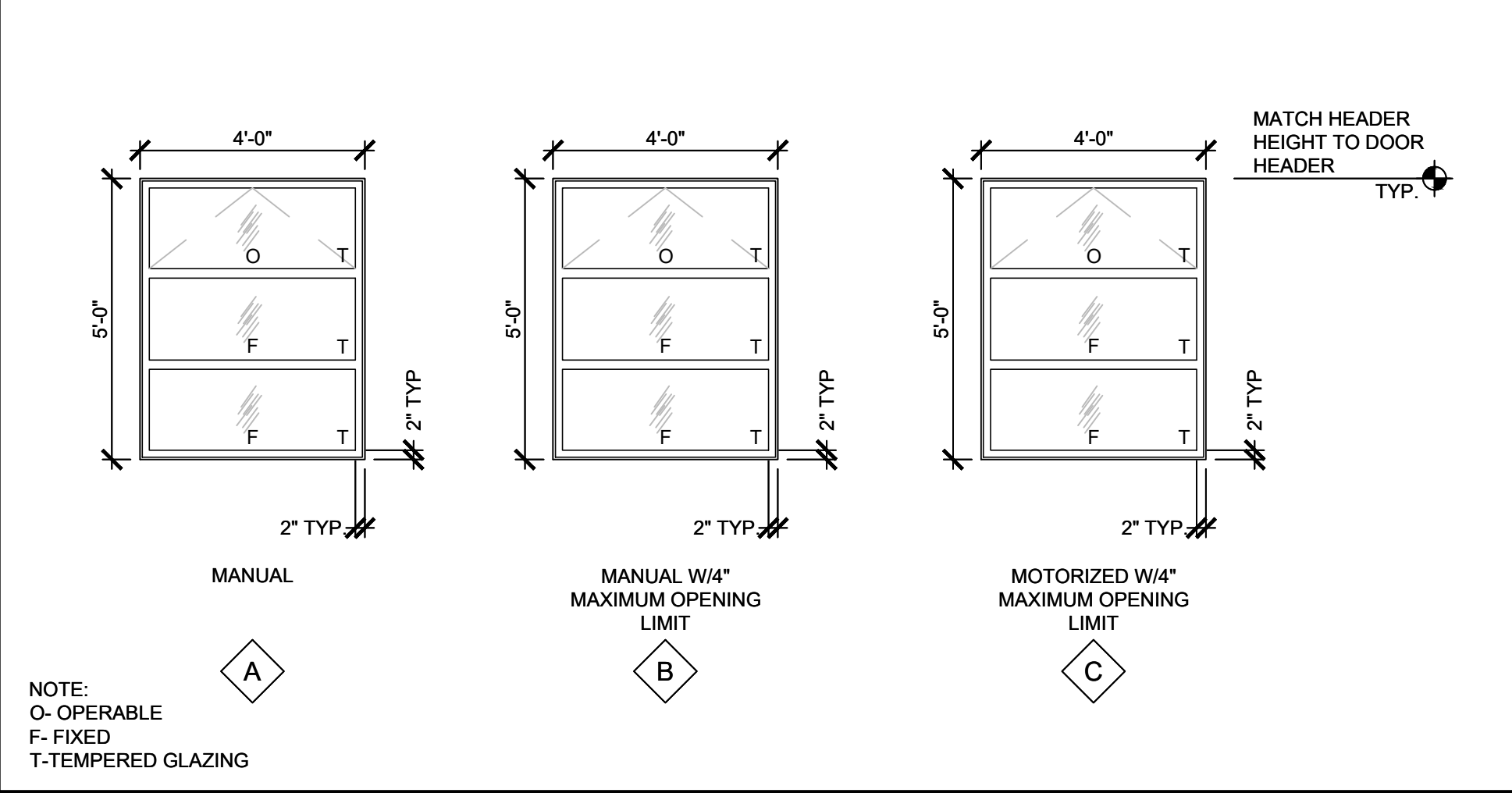
WINDOW NOTES
 1. EXTERIOR LITE - 3/16" MINIMUM TEMPERED GLASS, OR LAMINATED AS 1 GLASS OF SOLAR GRAY GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR OF 45% MAXIMUM.
 2. WINDOWS THAT MEETS ALL OF THE FOLLOWING CONDITIONS SPECIFIED IN SECTION 2406.4.3, SHALL BE CONSIDERED A HAZARDOUS LOCATION:
 A. THE EXPOSED AREA OF AN INDIVIDUAL PANE IS GREATER THAN 9 SQUARE FEET.
 B. THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18" ABOVE FINISH FLOOR.
 C. THE TOP EDGE OF THE GLAZING IS GREATER THAN 36" ABOVE FINISH FLOOR.
 D. ONE OR MORE WALKING SURFACE(S) ARE WITHIN 36", MEASURED HORIZONTALLY AND IN A STRAIGHT LINE, OF THE PLANE OF THE GLAZING.
 3. WINDOWS THAT ARE CONSIDERED A HAZARDOUS LOCATION SHALL CONTAIN FULLY TEMPERED SAFETY GLAZING & MEET THE FOLLOWING REQUIREMENTS:
 A. PASS THE IMPACT TEST REQUIREMENTS IN ACCORDANCE WITH "CPS 16 CFR PART 1201" PER SECTION 2406.2, WITH A TEST CRITERIA OF CATEGORY II, UNLESS OTHERWISE INDICATED IN C.B.C. TABLE 2406.2(1).
 B. IDENTIFICATION OF SAFETY GLAZING PER C.B.C. 2406.3

ROOM NUMBER	ROOM NAME	FLOOR	FINISHES							REMARKS
			BASE	FRONT	REAR	RIGHT	LEFT	CEILING	CEILING HEIGHT	
	GROUND FLOOR									
TYP	CLASSROOM	C	D	F	F	F	F	K		9'-0"
106	BOYS RESTROOM	N	N	N	N	N	N	M		9'-0"
107	GIRLS RESTROOM	N	N	N	N	N	N	M		9'-0"
108	STAFF RESTROOM	N	N	N	N	N	N	M		9'-0"
109	LOW VOLTAGE	O	D	P	P	P	P	K		9'-0"
	UPPER FLOOR									
TYP	CLASSROOM	C	D	F	F	F	F	K		9'-0"
206	WORKROOM	C	D	F	F	F	F	K		9'-0"
208	JANITOR ROOM	N	N	J	J	J	J	M		9'-0"

DOOR SCHEDULE



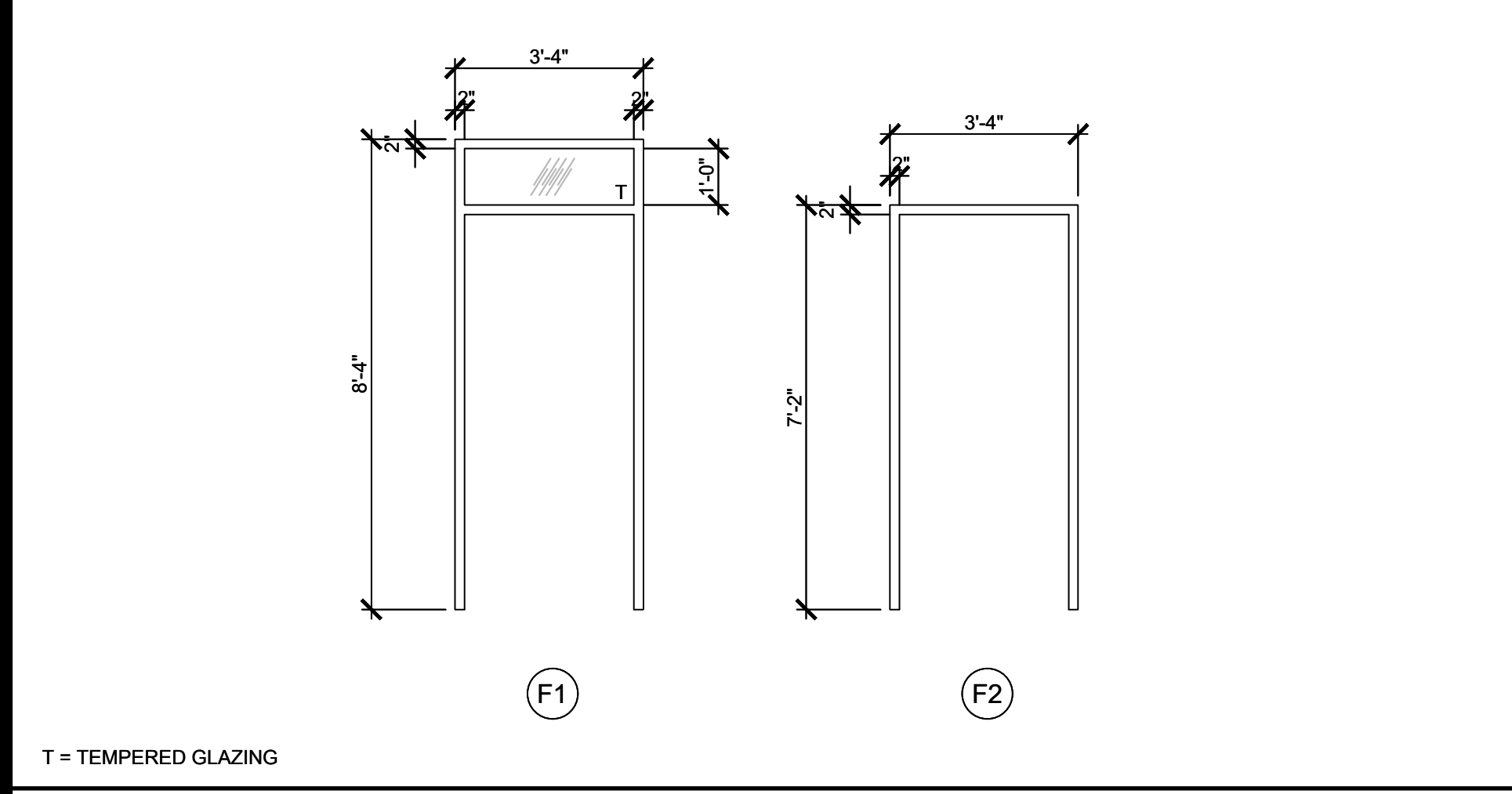
WINDOW SCHEDULE



FINISH INDICATOR OPTIONS

- A - CARPET, PER STATE OF CALIF SPEC COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4000
- B - VINYL SHEET FLOORING, 0.0 MIN. C.B.F. PER ASTM D 2047
- C - VCT; ARMSTRONG, STANDARD, OR EXCELOX
- D - TOP SET BASE, 4"
- E - TOP SET BASE, 6"
- F - WALL FINISH; 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYP BOARD BACKING
- G - 1/2" W.R. GYP BOARD, TAPE, PAINTED FINISH
- H - 1/2" GYP BOARD, TAPE, PAINTED FINISH
- J - 3/32" F.R.P.; OVER 1/2" W.R. GYP BOARD
- K - ACOUSTICAL LAY-IN GRID CEILING PANELS; 2'x4'
- L - 1/2" VINYL TACKBOARD, CLASS 1, OVER 5/8" TYPE 'X' GYP BOARD BACKING
- M - 5/8" TYPE 'X' GYP BOARD; TAPE, TEXTURE, PAINTED FINISH
- N - CERAMIC TILE - (FULL HEIGHT AT WALLS)
- O - EXPOSED CONCRETE WITH CONCRETE SEALER
- P - 3/4" FIRE RATED PLYWOOD

DOOR TYPES



WINDOW TYPES

NOT USED

ROOM FINISHES SCHEDULE

NOT USED

DOOR FRAME TYPES

A	EXTERIOR DOOR LOCKSET w/LEVER RHODES SCHLAGE ND95RD
B	EXTERIOR DOOR LOCKSET SCHLAGE B561RD w/ADA COMPLIANT PUSH/PULL PLATE
C	EXTERIOR DOOR LOCKSET SCHLAGE B561RD w/ND44 LOCK
D	EXTERIOR DOOR LOCKSET w/LEVER RHODES SCHLAGE ND80PD
E	EXTERIOR DOOR LOCKSET w/LEVER RHODES SCHLAGE ND85PD
F	INTERIOR DOOR LOCKSET w/LEVER RHODES SCHLAGE ND50PD
G	INTERIOR CLASSROOM COPPER CREEK 6260 CLASSROOM w/ADA LEVER

EXTERIOR DOOR HARDWARE
 1. HINGES: HAGER 4-1/2x4-1/2 BUTTS, BB1279 US26D, 1-1/2 PAIR PER DOOR, WITH SET SCREW IN BARREL AND BALL BEARING DESIGN.
 2. CLOSER: NORTON 8500DA OR 8500BF SERIES, LCN 1460 DEL SERIES OR EQUAL. (5 LBS. MAX. PRESSURE)
 3. WEATHERSTRIPPING: ALL EXTERIOR DOORS SHALL BE WEATHERSTRIPPED WITH PEMKO 299D, ULTRA W5007 OR EQUAL, AT DOOR JAMBS AND HEAD.
 4. THRESHOLD: THRESHOLD SHALL BE PEMKO 271 AV 5" ALUMINUM WITH PEMKO 216 AV ULTRA TH042 DOOR BOTTOM.
 5. LOCKDOWN: INTERIOR TEACHERS' MANUAL LOCK FOR CAMPUS LOCK DOWN CRITERIA - REQUIRED FOR STATE-FUNDED SCHOOLS, PER EDUCATION CODE SECTION 17075.50 (AND ALSO CBC 1010.1.11); PROVIDE LOCKS THAT ALLOW DOORS TO CLASSROOMS AND ANY ROOM WITH AN OCCUPANCY OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INSIDE. LOCKS SHALL COMPLY WITH C.B.C. SECTION 1010.1.9.

*ADDITIONAL DOORS MAY BE REQUIRED BASED ON BUILDING LAYOUT.

NOT USED

NOT USED

NOT USED

NOT USED

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-121419 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 09/29/2021

AMS
 American Modular Systems
 787 Spreckels Ave.,
 Manteca, CA 95336
 Phone (209) 825-1921
 Fax (209) 825-7018
 www.americanmodular.com

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SET NAME
 (1) 144'x40' 2 STORY
 CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
 GLENDALE USD
 MONTE VISTA
 ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC

Professional Seal:
 LICENSED ARCHITECT
 PATRICK CANNON
 No. C12631
 Ren. 2-31-23
 STATE OF CALIFORNIA

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REVISIONS

DRAWN BY: AH
 SCALE: AS NOTED
 DATE: 07/05/21
 PROJECT NO: 1614-20

SHEET TITLE:
 SCHEDULES
 DOORS, WINDOWS
 & FINISHES

SHEET NUMBER:
 N3.0

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 DIV. OF THE STATE ARCHITECT
 APP: 03-121419 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 09/29/2021



787 Spreckels Ave.,
 Manteca, CA 95336
 Phone (209) 825-1921
 Fax (209) 825-7018
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SET NAME
 (1) 144'x40' 2 STORY
 CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
 GLENDALE USD
 MONTE VISTA
 ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC

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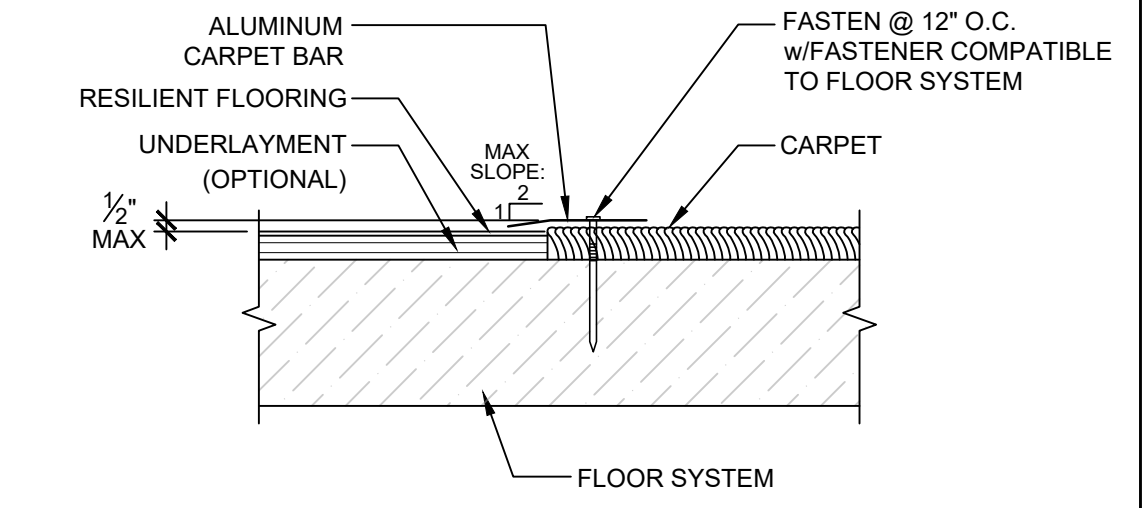
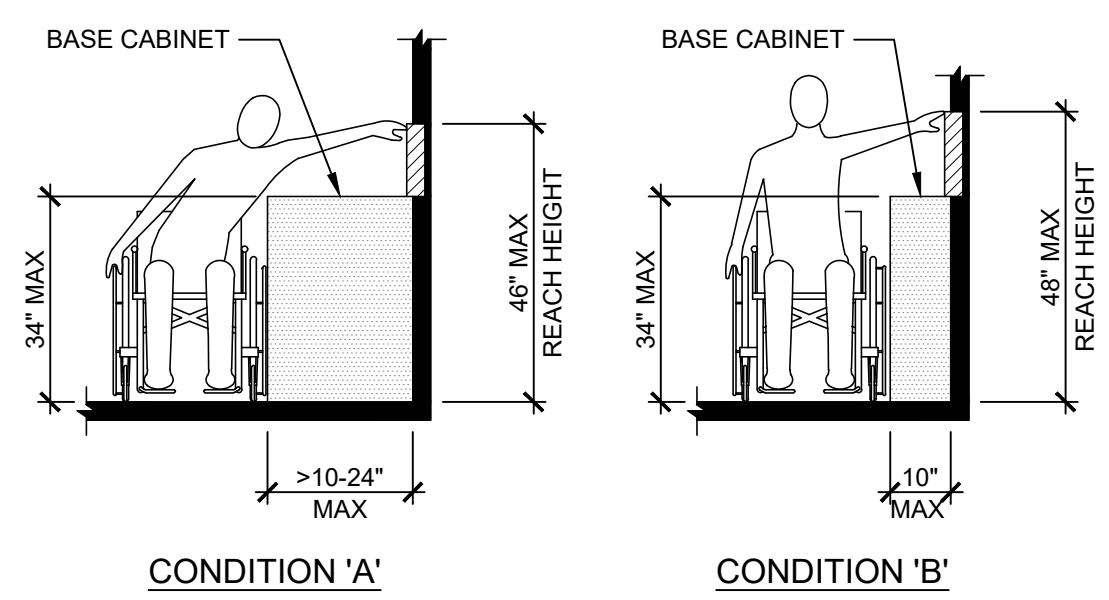
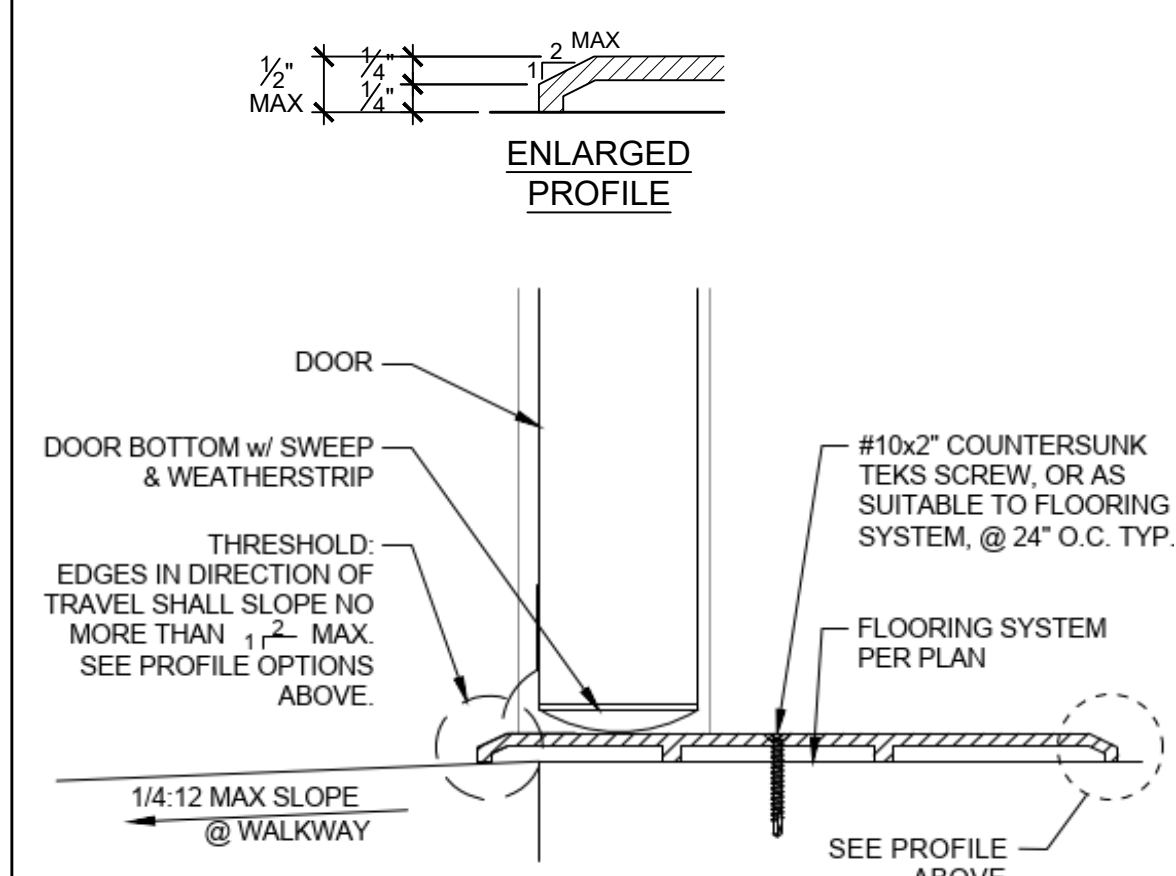
REVISIONS
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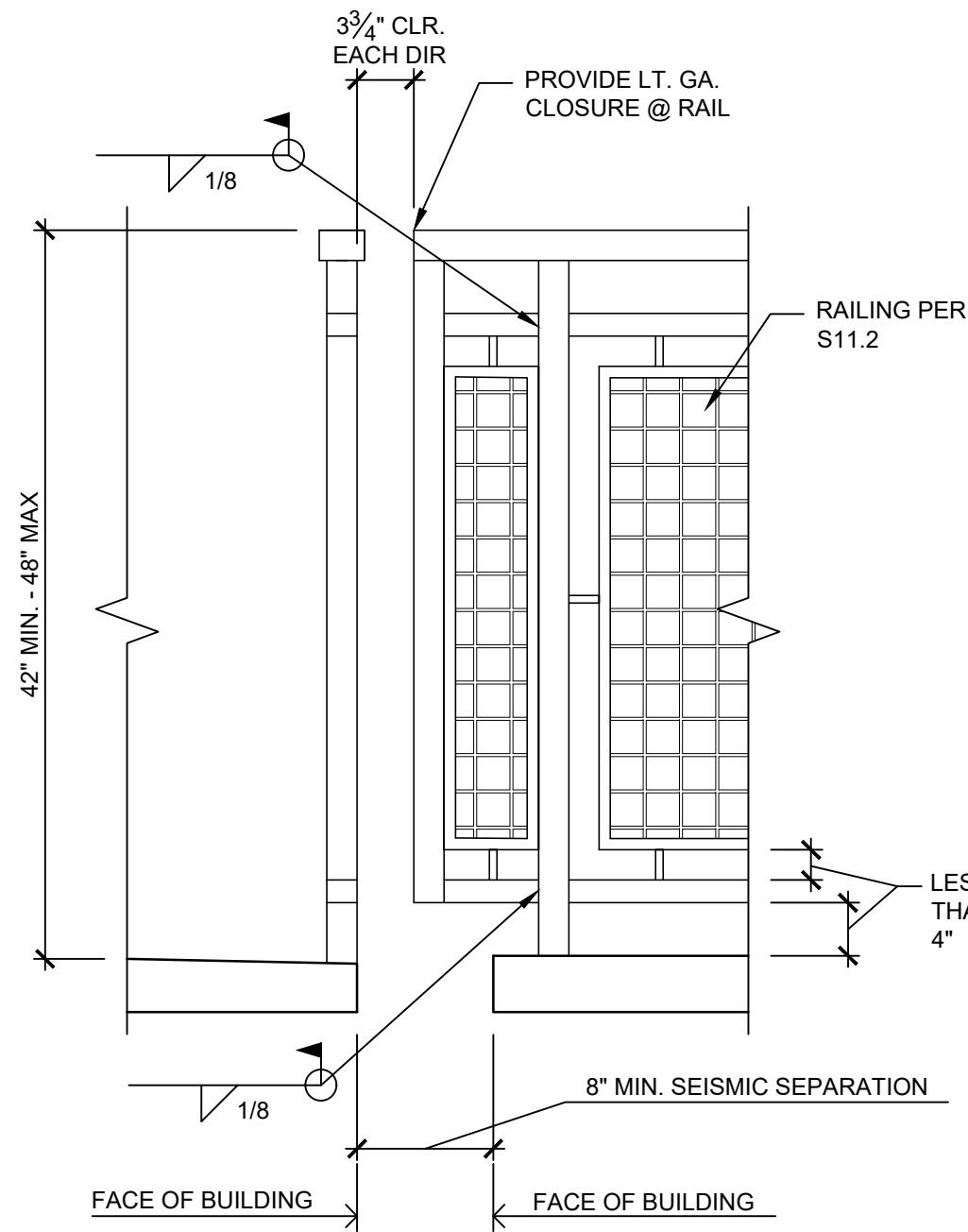
DRAWN BY: AH
 SCALE: AS NOTED
 DATE: 07/05/21
 PROJECT NO: 1614-20

SHEET TITLE:
 ACCESSIBILITY
 STANDARDS & DETAILS

SHEET NUMBER:
 N4.0

NOT USED	1	NOT USED	2	NOT USED	3	NOT USED	4	NOT USED	5
NOT USED	6	NOT USED	7	NOT USED	8	NOT USED	9	NOT USED	10
NOT USED	11	THRESHOLD @ EXTERIOR DOOR NOT TO SCALE	12	SIDE REACH AT BASE CABINET NOT TO SCALE	13	FLOORING TRANSITION DETAIL NOT TO SCALE	14	NOT USED	15
NOT USED	16	NOT USED	17	NOT USED	18	NOT USED	19	NOT USED	20

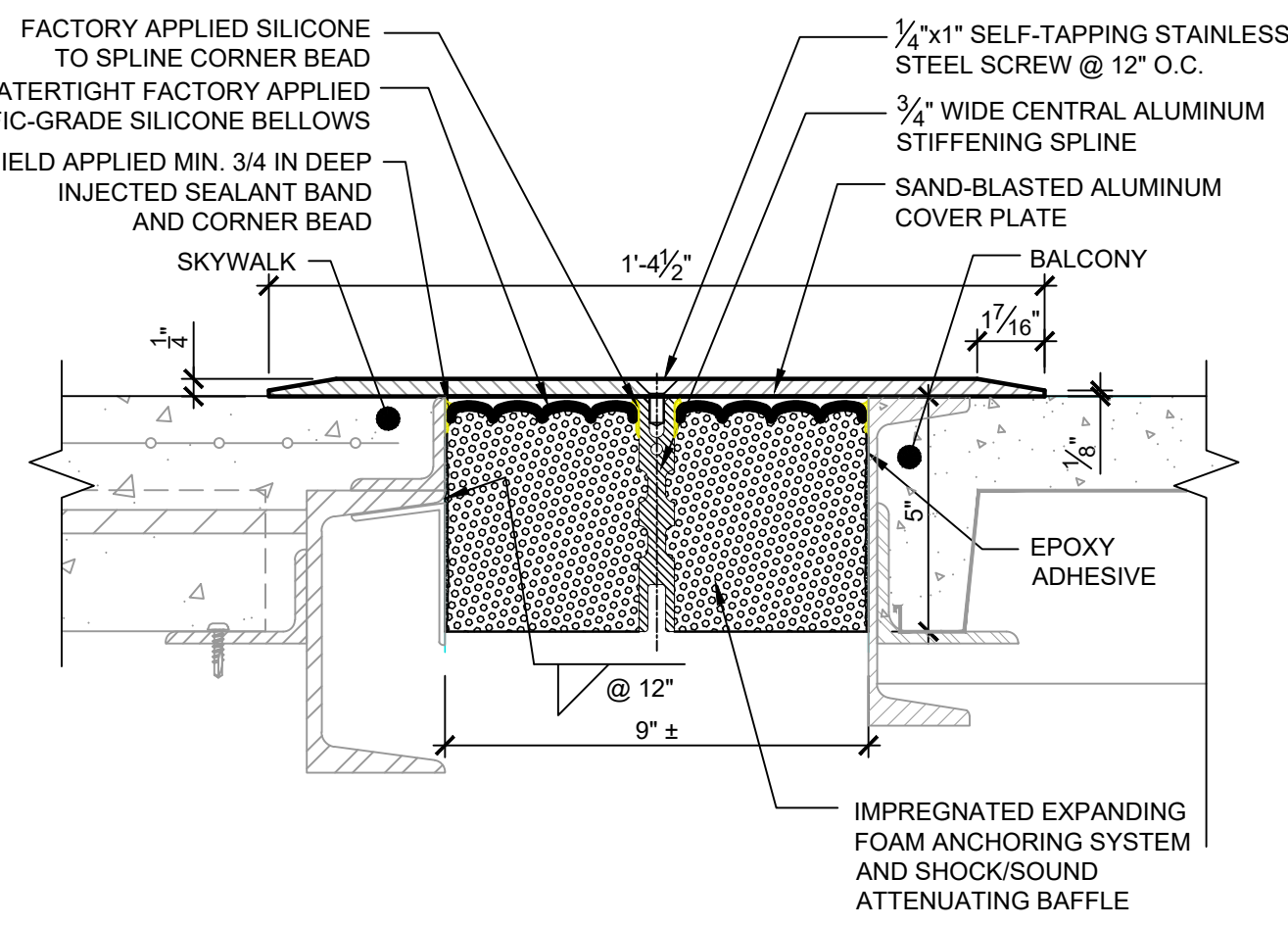




SEISMIC SEPARATION DETAIL

SCALE: 3" = 1' - 0"

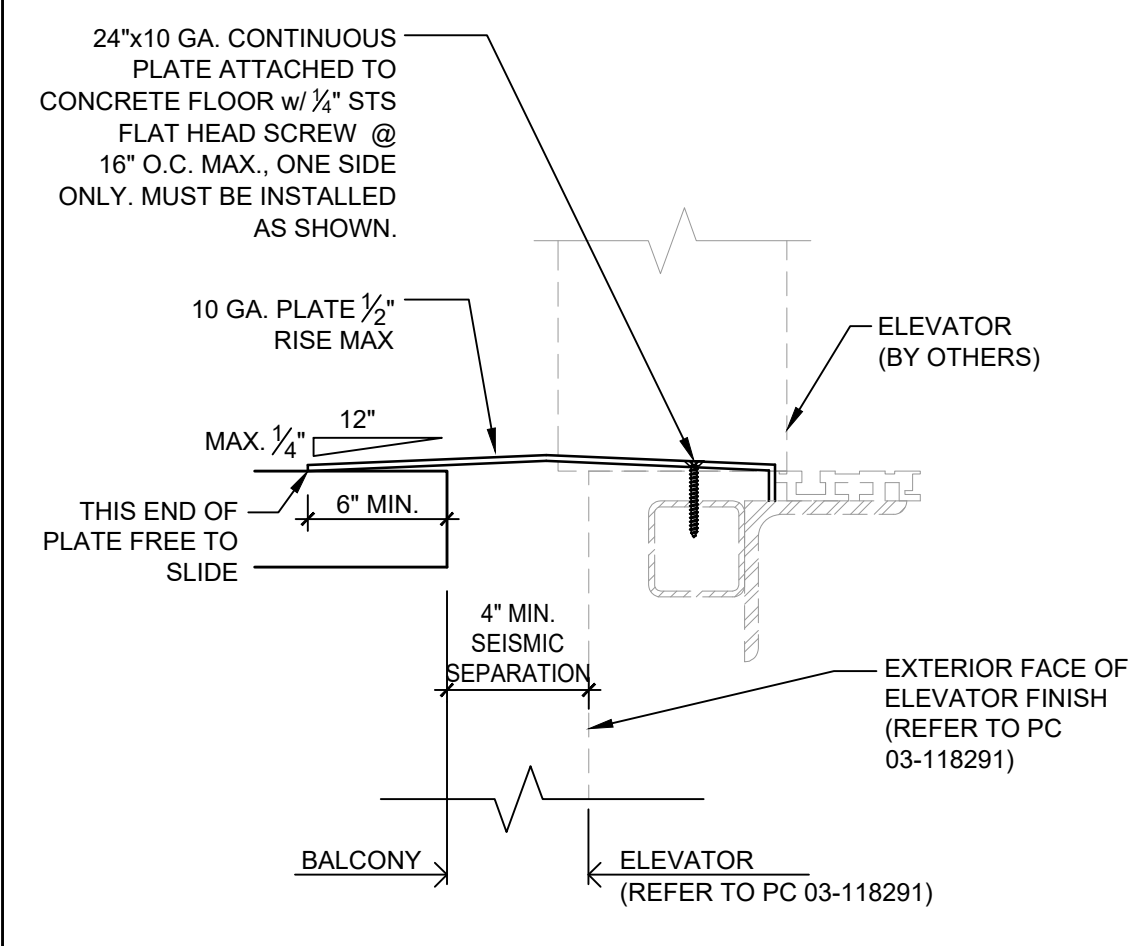
2



DETAIL @ BALCONY

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

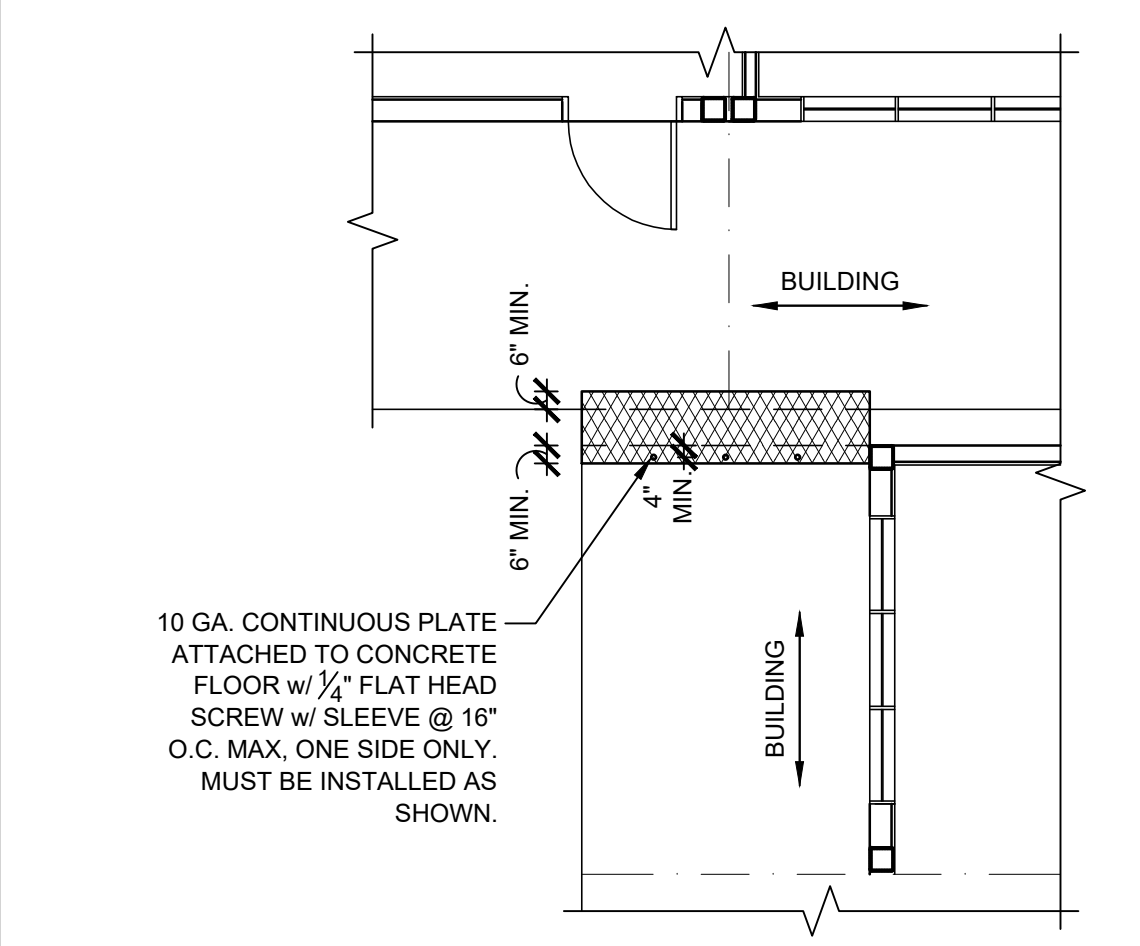
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DETAILS @ ELEVATOR SEPARATION

SCALE: 3" = 1' - 0"

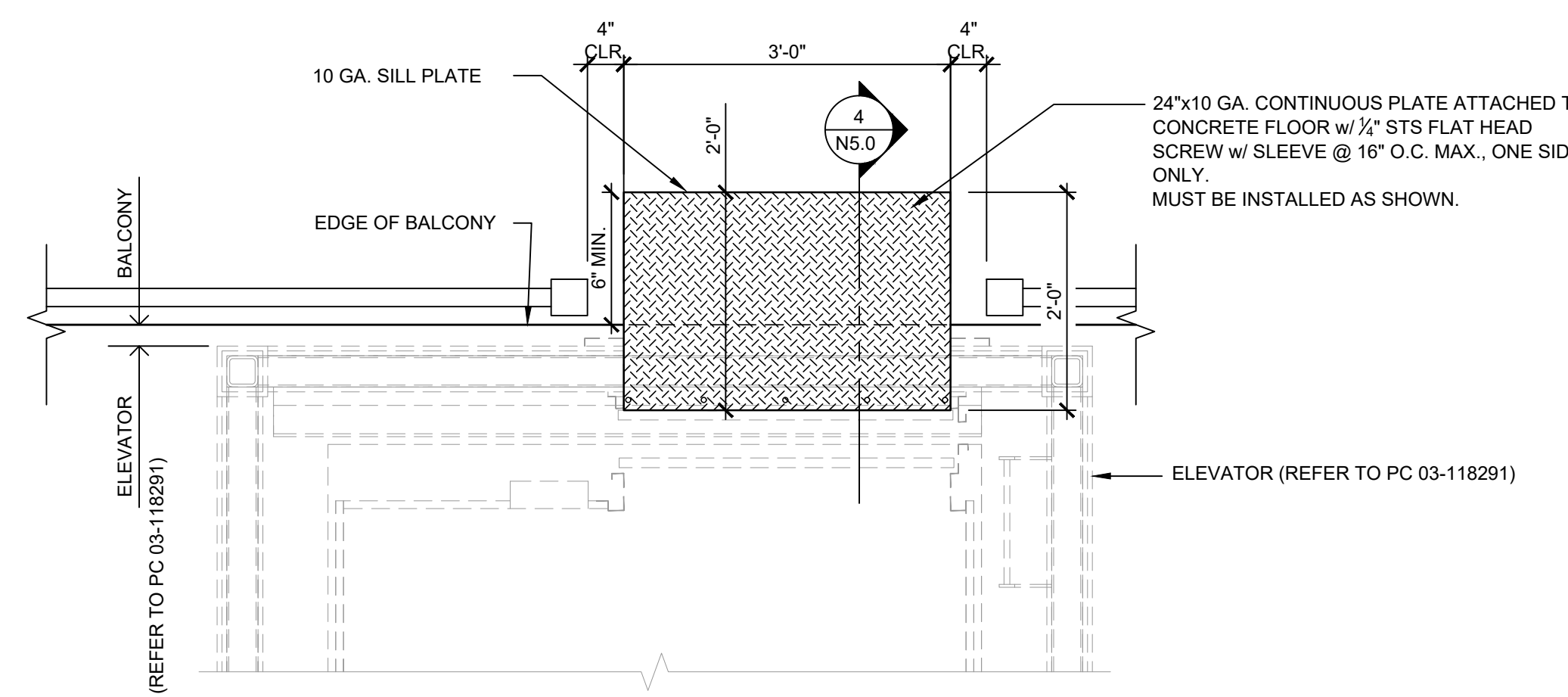
4



ENLARGED VIEW OF PLATE DETAIL @ SEPARATION

SCALE: 3/16" = 1' - 0"

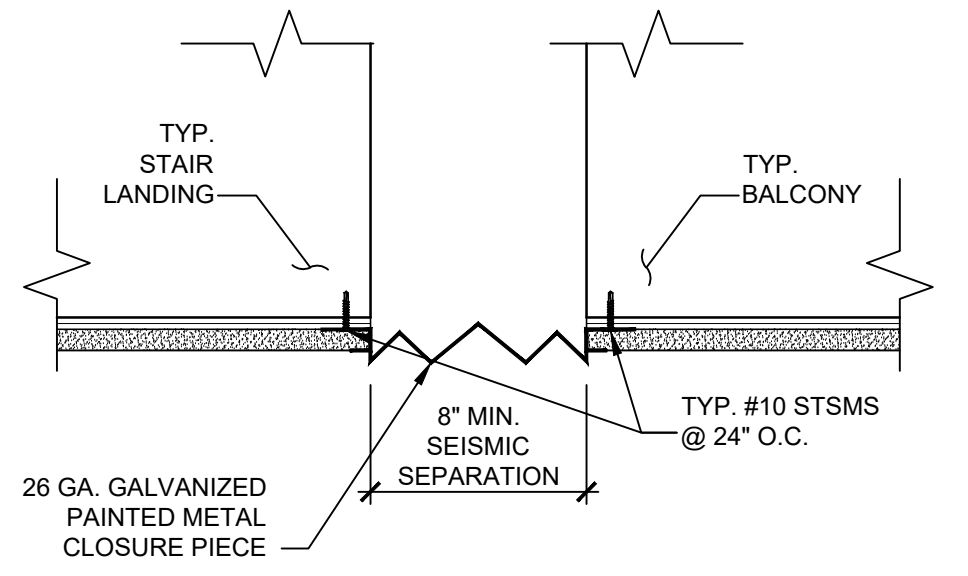
5



DETAILS @ ELEVATOR SEPARATION

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

8



DETAIL @ STAIR LANDING

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

9

DETAILS @ RAILING SEPARATION

SCALE: 1" = 1' - 0"

6

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

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AMS
American Modular Systems
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SET NAME
(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC

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REVISIONS

DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20

SHEET TITLE:
BUILDING SEPARATION DETAILS

SHEET NUMBER:
N5.0

Project Name: AMS Glendale USD MonteVista ES
Project Address: 2620 Orange Avenue La Cresenta 91214
Input File Name: AMS Glendale USD MonteVista ES.cibd19

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance.

Project Name: AMS Glendale USD MonteVista ES
Project Address: 2620 Orange Avenue La Cresenta 91214
Input File Name: AMS Glendale USD MonteVista ES.cibd19

N. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION
Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Verification must be submitted for the features to be recognized for compliance.

Mechanical
NRCV-MCH-27 Indoor Air Quality & Mechanical Ventilation
NRCV-MCH-32-H Local Mechanical Exhaust

Project Name: AMS Glendale USD MonteVista ES
Project Address: 2620 Orange Avenue La Cresenta 91214
Input File Name: AMS Glendale USD MonteVista ES.cibd19

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.
Documentation Author Name: Hans Marsman, CEA, LEED AP BD+C

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.

Responsible Envelope Designer Name: Randall P Cavannah
Company: American Modular Systems | Gen7 Schools
Address: 787 Spreckels Avenue

Responsible Lighting Designer Name: Randall P Cavannah
Company: American Modular Systems | Gen7 Schools
Address: 787 Spreckels Avenue

Responsible Mechanical Designer Name: Randall P Cavannah
Company: American Modular Systems | Gen7 Schools
Address: 787 Spreckels Avenue

STATE OF CALIFORNIA
Outdoor Lighting
NRCCLTO-E
CERTIFICATE OF COMPLIANCE

Project Name: AMS Glendale USD MonteVista ES
Project Address: 2620 Orange Avenue, La Cresenta, CA 91214
Date Prepared: 2021-04-14T12:31:43-04:00

A. GENERAL INFORMATION
01 Project Location (city) La Cresenta
02 Climate Zone 9
03 Outdoor Lighting Zone per Title 24 Part 1 §10.114

B. PROJECT SCOPE
This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)(2) for alterations.

Table with columns for Building Component, Form/Title, and compliance status. Includes rows for Envelope, Indoor Lighting, and Mechanical.

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

STATE OF CALIFORNIA
Outdoor Lighting
NRCCLTO-E
CERTIFICATE OF COMPLIANCE

Project Name: AMS Glendale USD MonteVista ES
Project Address: 2620 Orange Avenue, La Cresenta, CA 91214
Date Prepared: 2021-04-14T12:31:43-04:00

C. COMPLIANCE RESULTS
Table with columns for Compliance Results and Calculations of Total Allowed Lighting Power (Watts). Includes rows for 01 through 09.

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.

STATE OF CALIFORNIA
Outdoor Lighting
NRCCLTO-E
CERTIFICATE OF COMPLIANCE

Project Name: AMS Glendale USD MonteVista ES
Project Address: 2620 Orange Avenue, La Cresenta, CA 91214
Date Prepared: 2021-04-14T12:31:43-04:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE
Table with columns for Fixture Schedule and Design Wattage. Includes rows for 01 through 10.

Notes: Selections with a * require a note in the space below explaining how compliance is achieved.

Footnotes: Authority Having Jurisdiction may ask for luminaire cut sheets to confirm wattage used for compliance per §130.0(c).

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

STATE OF CALIFORNIA
Outdoor Lighting
NRCCLTO-E
CERTIFICATE OF COMPLIANCE

Project Name: AMS Glendale USD MonteVista ES
Project Address: 2620 Orange Avenue, La Cresenta, CA 91214
Date Prepared: 2021-04-14T12:31:43-04:00

H. OUTDOOR LIGHTING CONTROLS
Table with columns for Controls and Field Inspector. Includes rows for 01 through 05.

Notes: Controls with a * require a note in the space below explaining how compliance is achieved.

I. LIGHTING POWER ALLOWANCE (per §140.7)
Table with columns for Lighting Power Allowance and General Hardscape Allowance.

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 0, 1 & 4)

J. LIGHTING ALLOWANCE: PER APPLICATION
This section does not apply to this project.

STATE OF CALIFORNIA
Outdoor Lighting
NRCCLTO-E
CERTIFICATE OF COMPLIANCE

Project Name: AMS Glendale USD MonteVista ES
Project Address: 2620 Orange Avenue, La Cresenta, CA 91214
Date Prepared: 2021-04-14T12:31:43-04:00

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

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

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
Table with columns for Specific Area Type, Calculated Allowance, Design Watts, and Additional Allowance.

Footnotes: See Table 140.7.8 for rules for calculating the specific areas (ft²) for these additional lighting allowances.

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

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E.

Table with columns for Yes/No, Form/Title, and Field Inspector. Includes rows for NRCLTO-01-E and NRCLTO-02-E.

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E.

Table with columns for Yes/No, Form/Title, and Field Inspector. Includes rows for NRCLTO-02-A.

STATE OF CALIFORNIA
Outdoor Lighting
NRCCLTO-E
CERTIFICATE OF COMPLIANCE

Project Name: AMS Glendale USD MonteVista ES
Project Address: 2620 Orange Avenue, La Cresenta, CA 91214
Date Prepared: 2021-04-14T12:31:43-04:00

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

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.

Responsible Designer Name: Randall P Cavannah
Company: American Modular Systems | Gen7 Schools
Address: 787 Spreckels Avenue

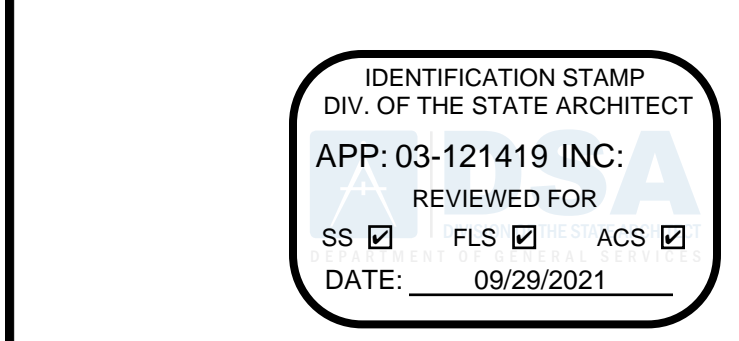
STATE OF CALIFORNIA
Domestic Water Heating System
NRCCLPB-E
CERTIFICATE OF COMPLIANCE

Project Name: AMS Glendale USD MonteVista ES
Project Address: 2620 Orange Avenue, La Cresenta, CA 91214
Date Prepared: 2021-04-14T12:31:43-04:00

A. GENERAL INFORMATION
01 Project Location (city) La Cresenta
02 Climate Zone 9
03 Occupancy Types Within Project

B. PROJECT SCOPE
This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in §140.5 §150.1(c)(8), and §141.0(a), or §141.0(b)(2)(N) for additions or alterations.

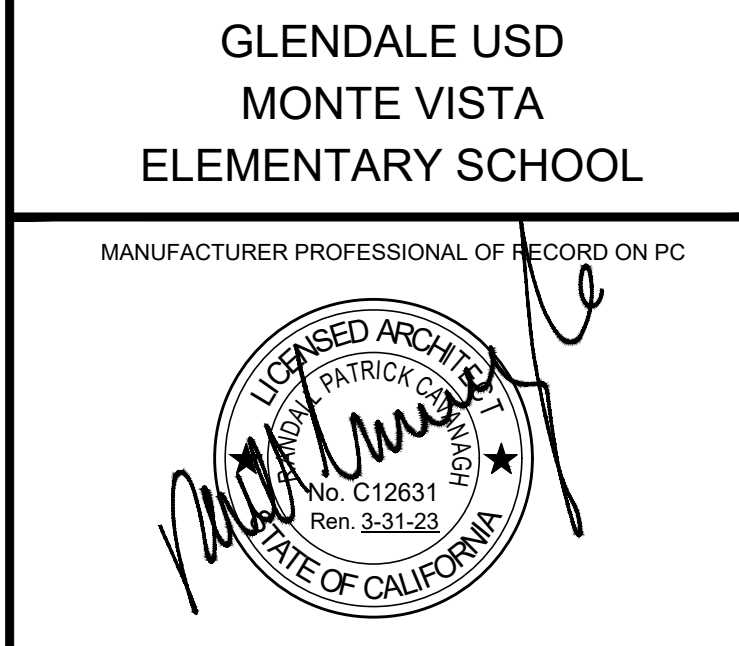
Footnotes: Dwelling units refers to hotel/motel guest rooms and units in a high-rise residential occupancy.



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SET NAME
(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL



THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

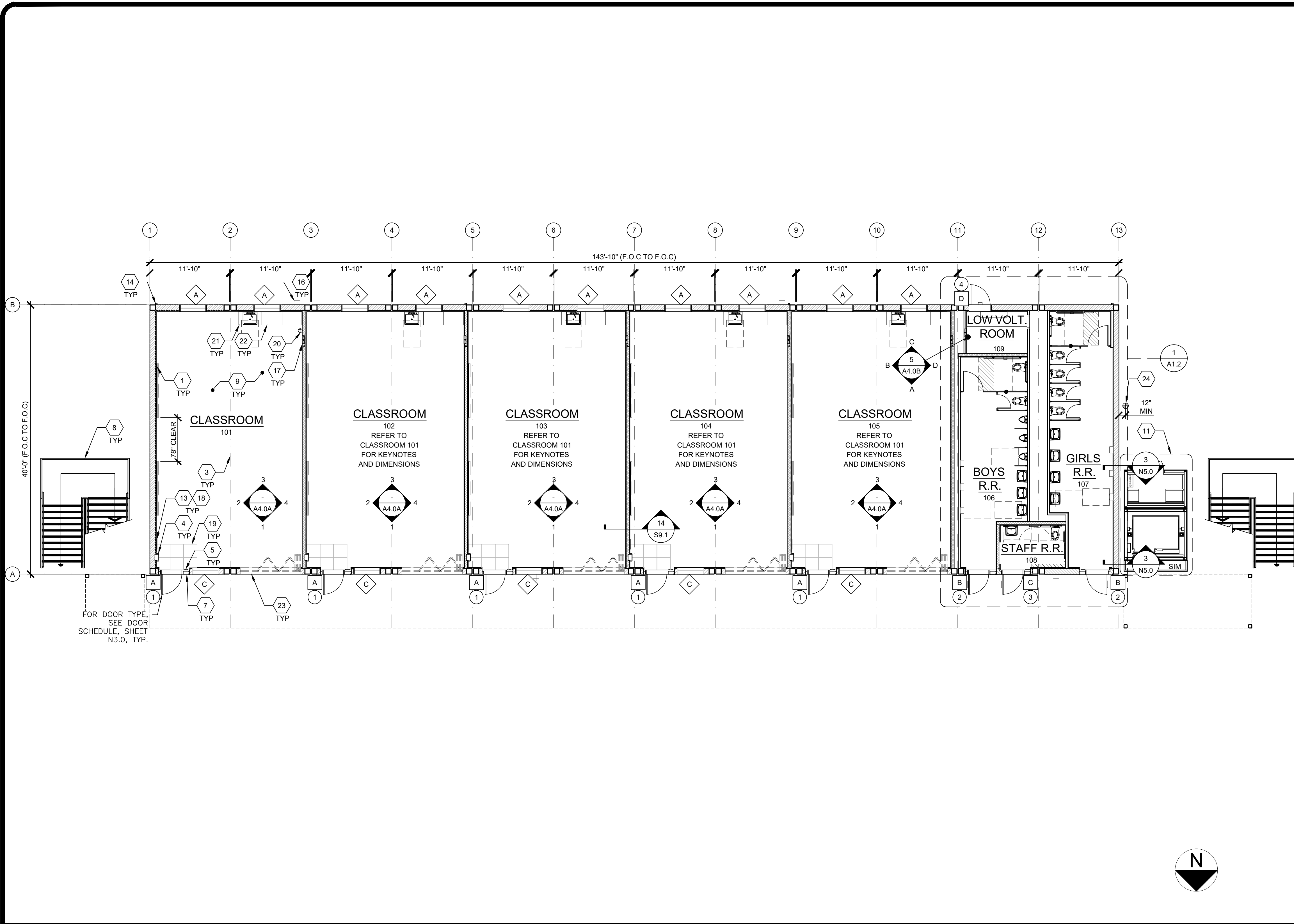
REVISIONS
Table with columns for Revision Number, Description, and Date.

DRAWN BY: AH
SCALE: AS NOTED
DATE: 03/29/21
PROJECT NO: 1614-20
SHEET TITLE:

ENERGY CALCULATIONS

SHEET NUMBER:

EN.3



- 1 8'-0"x4'-0" MARKERBOARD
- 2 NOT USED
- 3 TYPICAL MOD LINE
- 4 FIRE EXTINGUISHER, TOP OF HANDLE @ +48" AFF. 4" MAX PROTRUSION FROM WALL IF FIRE EXTINGUISHER IS ABOVE 27" A.F.F.
- 5 TACTILE EXIT SIGN (BY OTHERS) PER DETAIL ON PAGE 11.00 OF ARCHITECTS PLANS
- 6 NOT USED
- 7 ROOM SIGNAGE AND ISA (BY OTHERS) PER SIGNAGE DETAILS ON PAGE 11.00 OF ARCHITECTS PLANS
- 8 STAIRS - REFER TO SHEET S11.0 FOR DETAILS
- 9 VCT FLOORING
- 10 NOT USED
- 11 ELEVATOR PER PC 03-118201
- 12 NOT USED
- 13 OCCUPANT LOAD SIGN (BY OTHERS) PER SIGNAGE DETAILS ON PAGE 11.00 OF ARCHITECTS PLANS
- 14 DOWNSPOUT - DISCHARGE TO SPLASH BLOCK (U.O.N.) PER DETAIL 10/A5.1
- 15 NOT USED
- 16 HOSE BIBB
- 17 ELECTRICAL PANEL
- 18 FLOOR LIVE LOAD SIGN PER 2019 CBC SECTION 106.1
- 19 WALK OFF MAT AT ENTRY AREA
- 20 THERMOSTAT - TOP OF BOX @ 46" A.F.F.
- 21 CASEWORK W/ SINK
- 22 CASEWORK
- 23 EXTERIOR NANAWALL - REFER TO A/S9.0A
- 24 EXTERIOR FIRE RISER

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 APP: 03-121419 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 09/29/2021

AMS
 American Modular Systems
 787 Spreckels Ave.,
 Manteca, CA 95336
 Phone (209) 825-1921
 Fax (209) 825-7018
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SET NAME
 (1) 144'x40' 2 STORY
 CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
 GLENDALE USD
 MONTE VISTA
 ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC

KEY NOTES

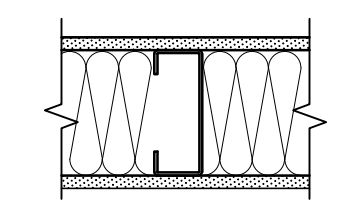
- 1. REFER TO SHEET S9.1 FOR WALL ATTACHMENTS

SITE NOTE

3/16:12 (1%) MINIMUM TO 1/4:12 (2%) MAXIMUM GRADE FROM FACE OF BUILDING MUST BE ADHERED TO FOR WATER RUN-OFF. PONDING MAY OCCUR AROUND THE PERIMETER OF THE BUILDING.

SHEET NOTES

- 3. IN THE EVENT THAT A CLASSROOM IS DESIGNED TO CONNECT TO ANOTHER CLASSROOM OR RESTROOM, INTERIOR SOUND TRANSMISSION IN THE INTERIOR ADJOINING WALL AND FLOOR/CEILING SHALL MEET THE MINIMUM REQUIREMENT OF A STC OF 40, PER CALGREEN CODE SECTION 507.4.3. (EXAMPLES OF QUALIFYING ASSEMBLIES SHOWN BELOW).



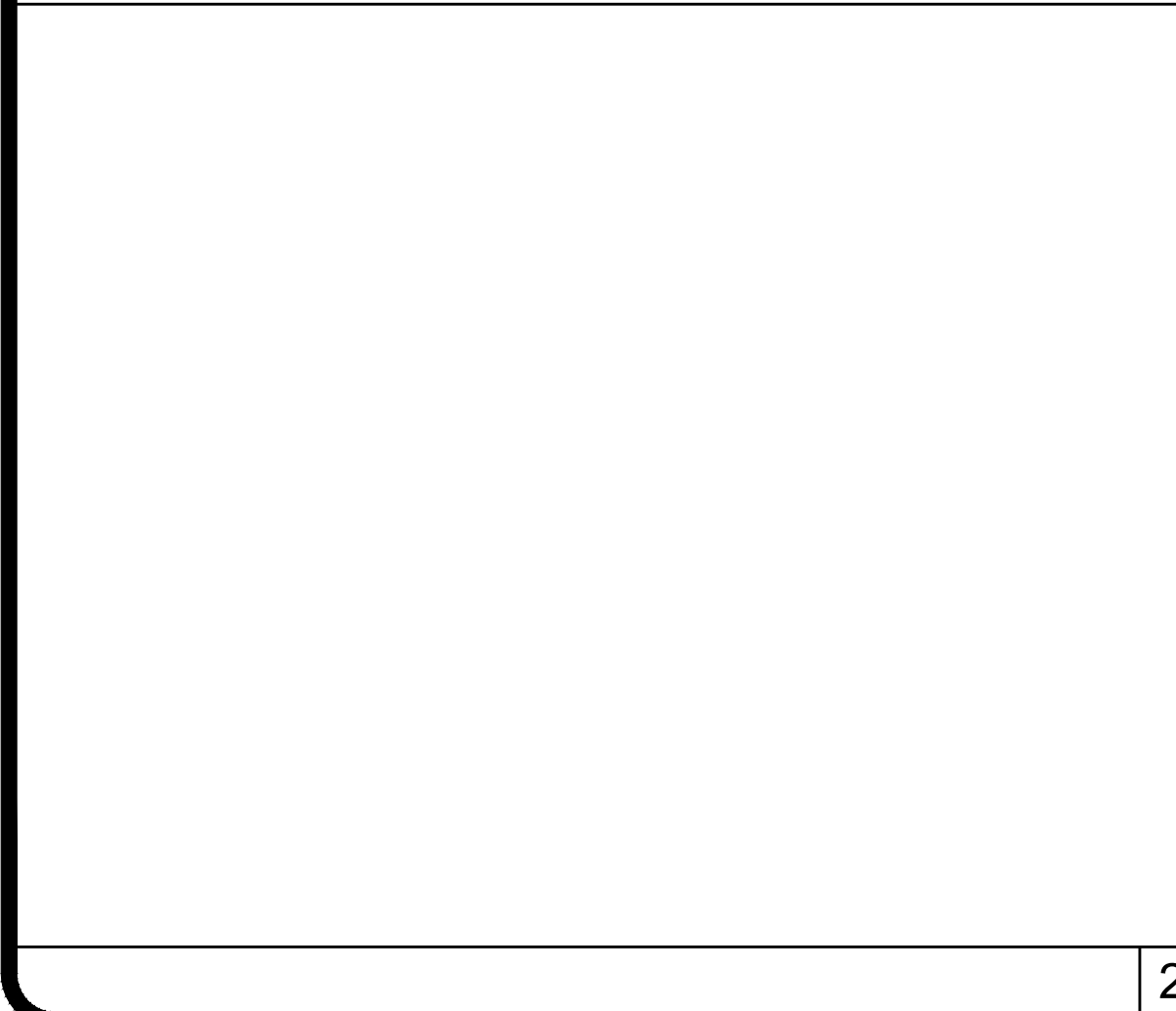
(2) LAYER 5/8" GYPSUM BOARD SECURED TO MIN. 2 1/2" METAL STUDS @ 24" O.C. MAX. W/3/2" THK BATT INSULATION

STC=48
 TEST REF.: AUDIO ALLOY L.L.C TEST NUMBER OL-92-410

- 4. MINIMUM WINDOW & DOOR RATINGS: ALL WINDOWS AND DOORS SPECIFIED ON THE SCHEDULES FOUND ON SHEET N3.0 OF THIS PACKAGE SHALL MEET A MINIMUM STC RATING OF 27.

TYPICAL GROUND FLOOR PLAN

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



2 CLASSROOM SINK - DETAIL NTS

BASE CABINET WITH SOLID SURFACE OR PLASTIC LAMINATE COUNTERTOP AND SINK. CABINET SHALL HAVE PLASTIC LAMINATE FINISH. CABINET WITH SINK SHALL BE ACCESSIBLE - SEE DETAIL 6/P3.0.
 FOR SINK HEIGHT & DIMENSIONS, SEE DETAIL 6/P1.0.

(SEE PLUMBING FIXTURE SCHEDULE ON SHT. P1.0)
 30"x48" CLEAR FLOOR SPACE

NO SHELVES
 NO CABINET BASE
 NO DOORS

2X4 METAL STUD WALL
 2X8 METAL STUD WALL
 2X8 METAL STUD WALL
 2X10 METAL STUD WALL

= MECHANICAL OR PLUMBING FIXTURE - SEE MECHANICAL OR PLUMBING DRAWINGS
 = KEY NOTE - SEE KEY NOTES ABOVE
 = DOOR TYPE - SEE SCHEDULE, SHEET N3.0
 = WINDOW TYPE - SEE SCHEDULE, SHEET N3.0
 = DOOR HARDWARE - SEE HARDWARE SCHEDULE, SHEET N3.0

3 SYMBOLS LEGEND

ACOUSTIC CONTROLS

1. WHEN THE BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES SHALL COMPLY WITH THE CALGREEN CODE, SECTION 5.507.4, FOR THE SPECIFIC SITE LOCATION.

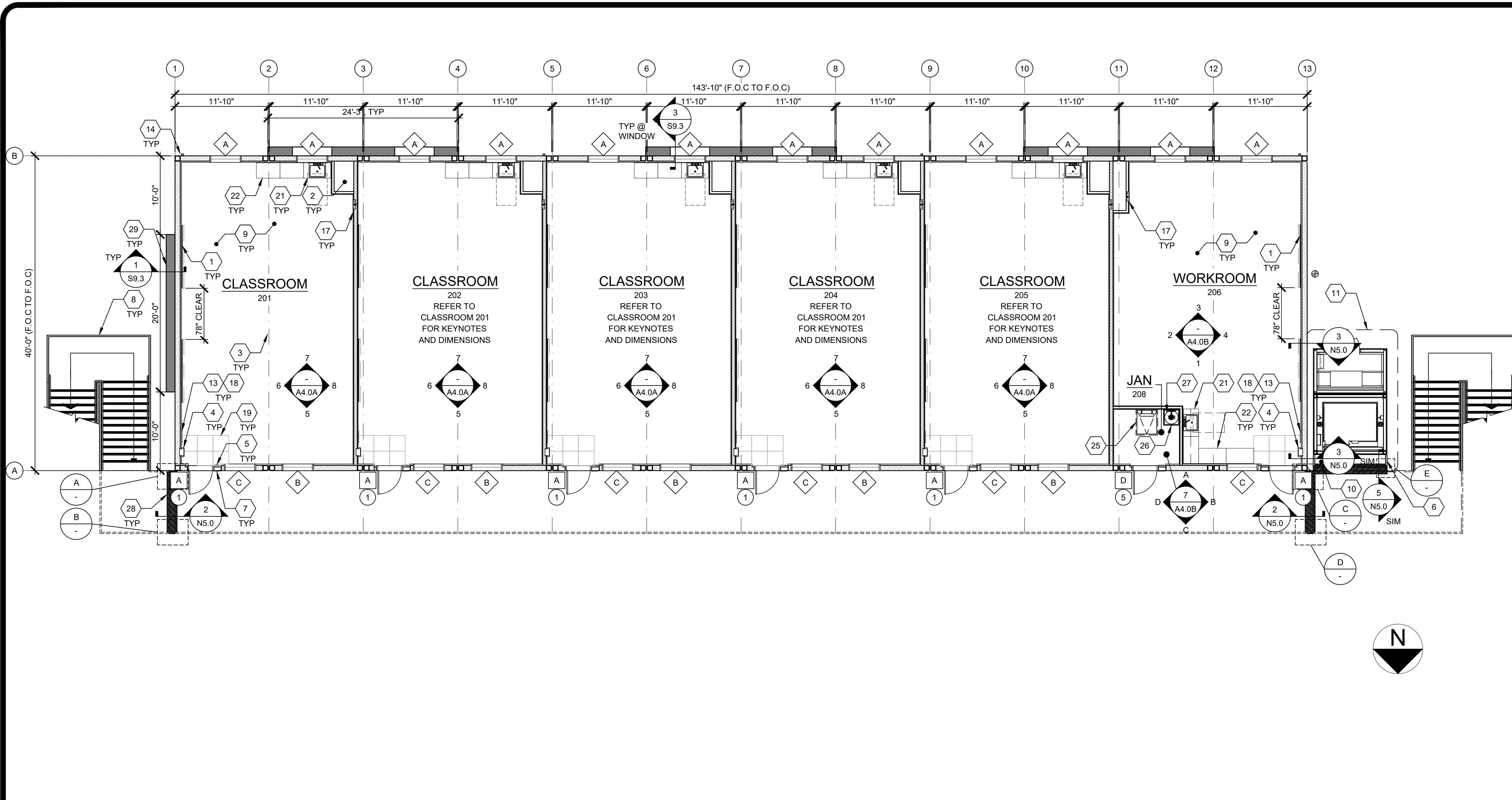
2. MINIMUM WALL ASSEMBLIES: WALL ASSEMBLIES SHALL BE CONSTRUCTED PER DETAIL SHEETS A5.1 WITH 6" STEEL STUDS PER LISTED OPTIONS. MINIMUM STC RATINGS LISTED BELOW ARE PER THE CATALOG OF STC & IIC RATINGS FOR WALL AND FLOOR/CEILING ASSEMBLIES, PRODUCED BY THE OFFICE OF NOISE CONTROL, CA DEPARTMENT OF HEALTH SERVICES.

(1) LAYER 1/2" GYPSUM BOARD SECURED TO MIN. 2 1/2" METAL STUDS @ 24" O.C. MAX.
 STC=27
 (CATALOG SECTION 1.3.2.5.4.1)
 TEST REF.: NATIONAL RESEARCH COUNCIL OF CANADA - NRC #66

4 ACOUSTIC NOTES

REVISIONS

DRAWN BY: AH
 SCALE: AS NOTED
 DATE: 07/05/21
 PROJECT NO: 1614-20
 SHEET TITLE:
 GROUND FLOOR PLAN
 SHEET NUMBER:
 A1.0



- 1 8'-0"x4'-0" MARKERBOARD
- 2 MECHANICAL CHASE- REFER TO DETAIL A/A8.2 FOR WALL BRACING TO ROOF
- 3 TYPICAL MOD LINE
- 4 FIRE EXTINGUISHER. TOP OF HANDLE @ +48" AFF. 4" MAX PROTRUSION FROM WALL IF FIRE EXTINGUISHER IS ABOVE 27" A.F.F.
- 5 TACTILE EXIT SIGN (BY OTHERS) PER DETAIL ON PAGE 11.00 OF ARCHITECTS PLANS
- 6 ELEVATOR BRIDGE EXTENSION RAILING PER ELEVATOR PC PLANS 03-118201 DETAIL 7/S5.2
- 7 ROOM SIGNAGE AND ISA (BY OTHERS) PER SIGNAGE DETAILS ON PAGE 11.00 OF ARCHITECTS PLANS
- 8 STAIRS - REFER TO SHEET S11.0 FOR DETAILS
- 9 VCT FLOORING
- 10 ELEVATOR BRIDGE EXTENSION PER ELEVATOR PC PLANS 03-118201 DETAILS 1,2 & 8/S5.2
- 11 ELEVATOR PER PC 03-118201
- 12 NOT USED
- 13 OCCUPANT LOAD SIGN (BY OTHERS) PER SIGNAGE DETAILS ON PAGE 11.00 OF ARCHITECTS PLANS
- 14 DOWNSPOUT - DISCHARGE TO SPLASH BLOCK (U.O.N.) PER DETAIL 10/A5.1
- 15 NOT USED
- 16 NOT USED
- 17 ELECTRICAL PANEL
- 18 FLOOR LIVE LOAD SIGN PER 2019 CBC SECTION 106.1
- 19 WALK OFF MAT AT ENTRY AREA
- 20 THERMOSTAT - TOP OF BOX @ 46" A.F.F.
- 21 CASEWORK W/ SINK
- 22 CASEWORK
- 23 NOT USED
- 24 NOT USED
- 25 ROOF ACCESS HATCH AND LADDER
- 26 JANITORS SINK
- 27 WATER HEATER
- 28 THRESHOLD
- 29 BUMP OUT WALL

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SET NAME
(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC

1. REFER TO SHEET S9.1 FOR WALL ATTACHMENTS

SITE NOTE
3/16:12 (1%) MINIMUM TO 1/4:12 (2%) MAXIMUM GRADE FROM FACE OF BUILDING MUST BE ADHERED TO FOR WATER RUN-OFF. PONDING MAY OCCUR AROUND THE PERIMETER OF THE BUILDING.

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REVISIONS

DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20

SHEET TITLE:
UPPER FLOOR PLAN

SHEET NUMBER:

A1.1

TYPICAL UPPER FLOOR PLAN

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

KEY NOTES

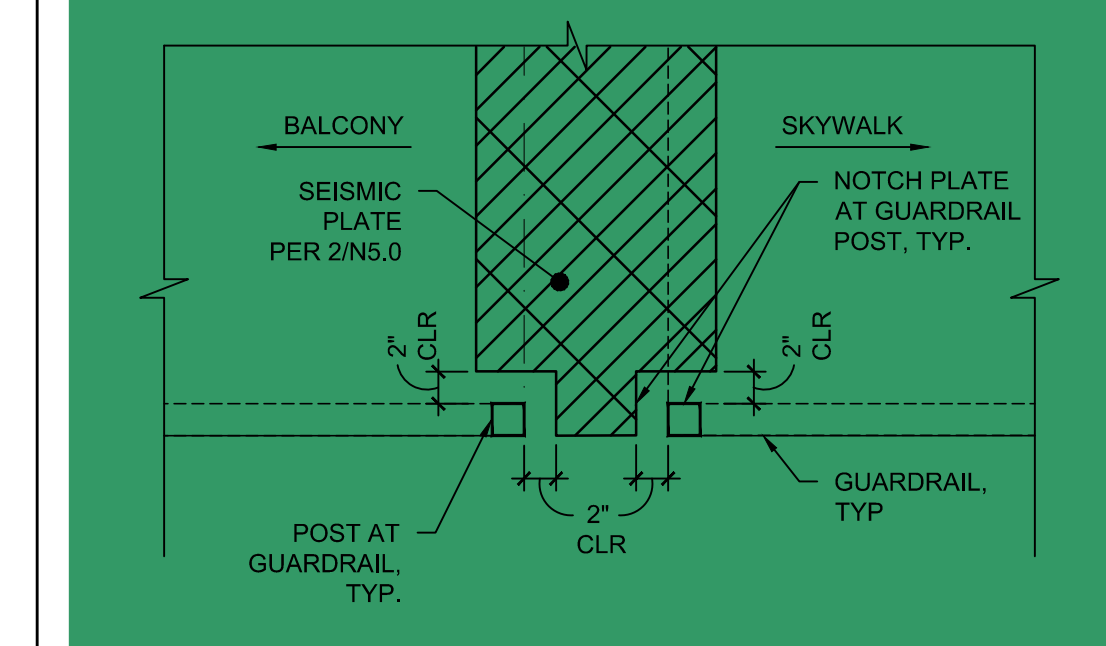
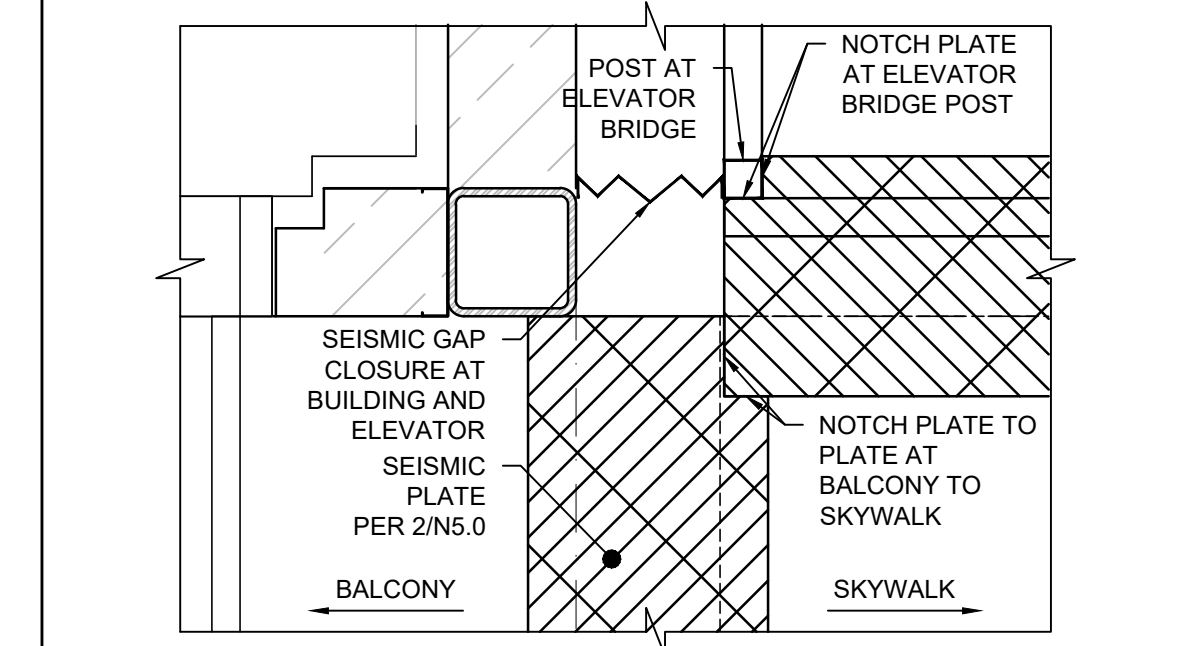
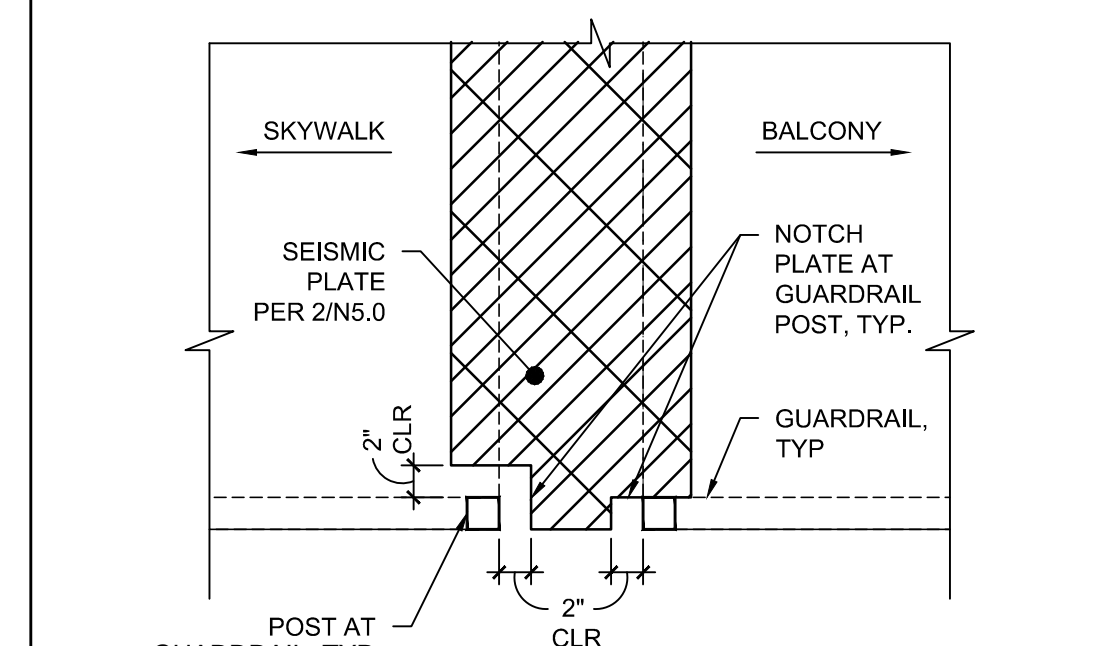
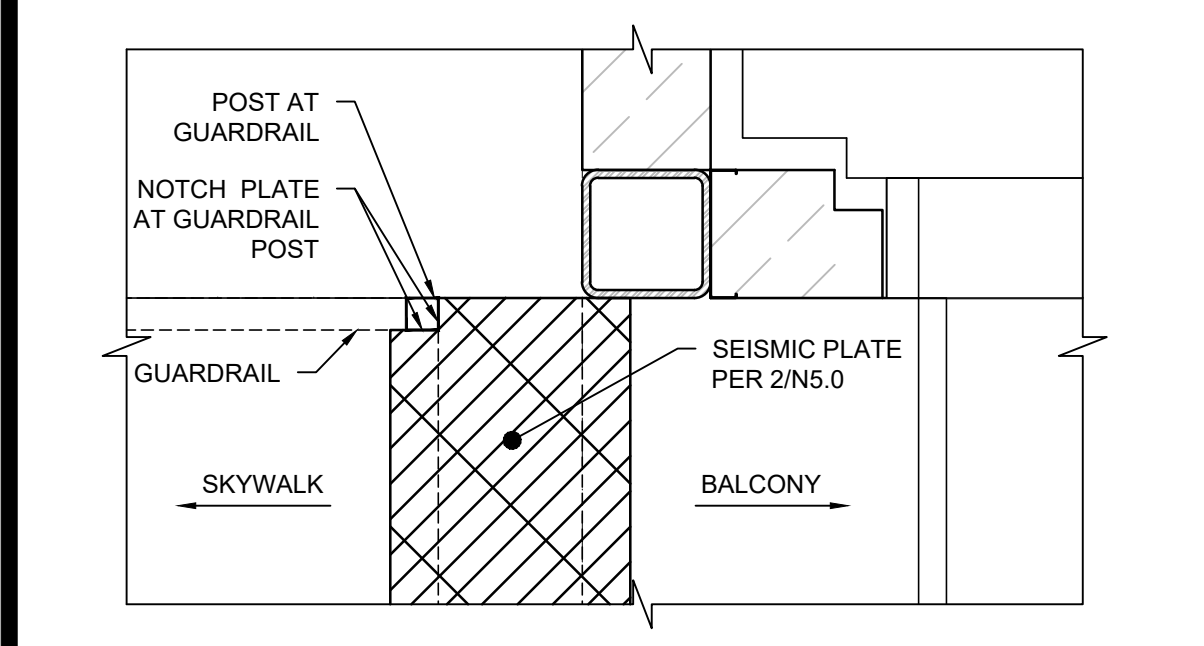


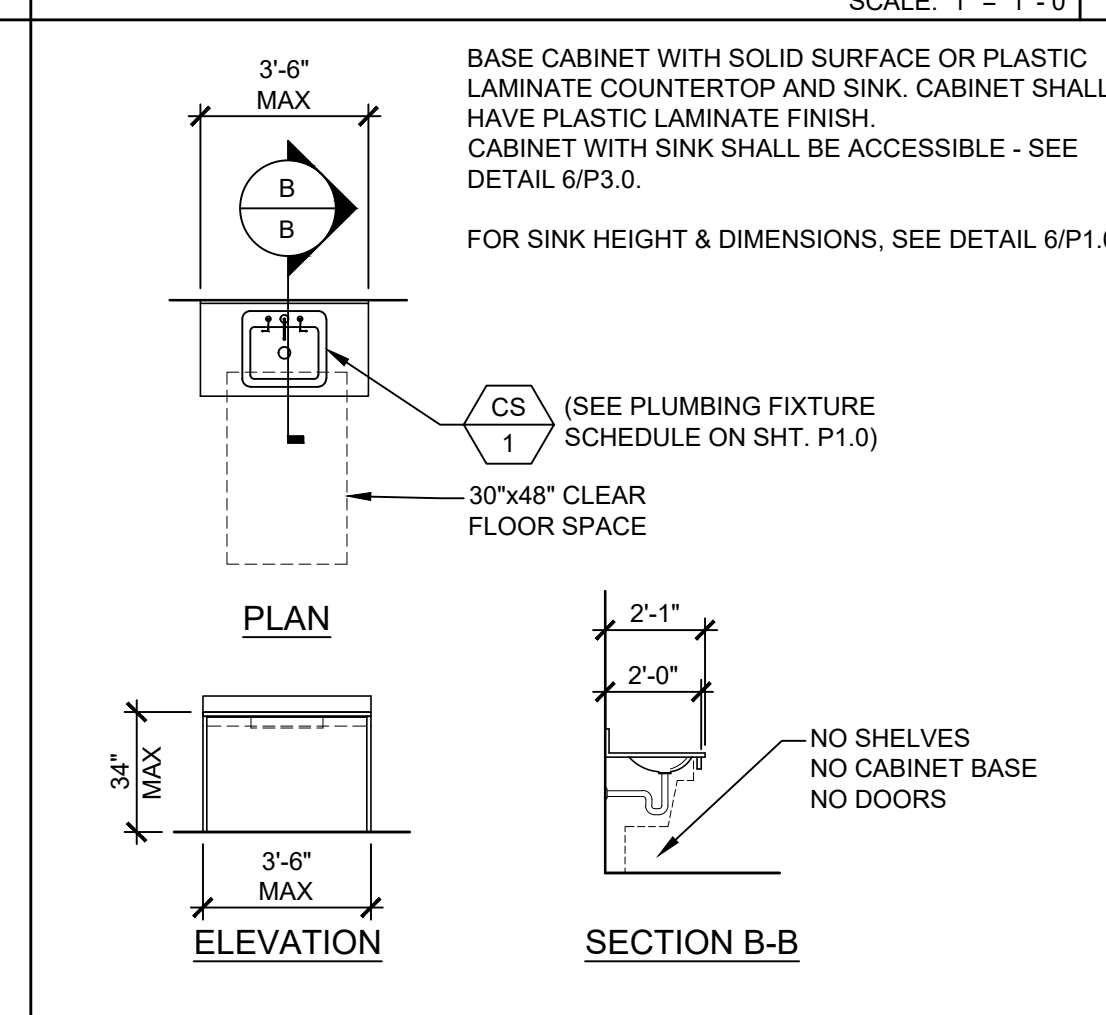
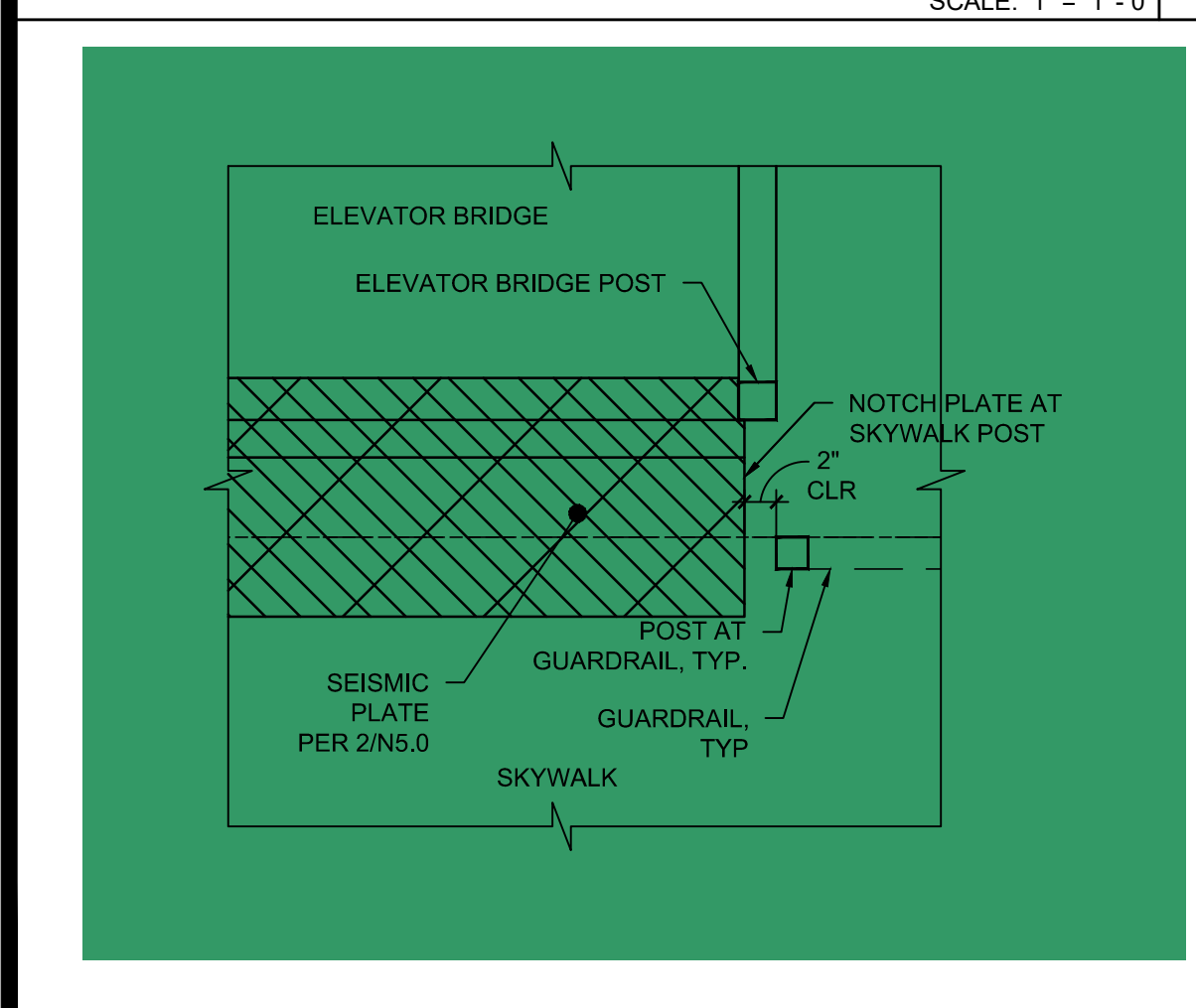
PLATE @ POST OF BRIDGE TO BALCONY SCALE: 1" = 1'-0"

PLATE @ RAILING OF BRIDGE TO RAILING OF BALCONY SCALE: 1" = 1'-0"

PLATE @ ELEVATOR BRIDGE PLATE SCALE: 1" = 1'-0"

PLATE @ RAILING OF BRIDGE TO RAILING OF BALCONY SCALE: 1" = 1'-0"

SHEET NOTES



- SYMBOLS LEGEND**
- (X/#) = MECHANICAL OR PLUMBING FIXTURE - SEE MECHANICAL OR PLUMBING DRAWINGS
 - (X) = KEY NOTE - SEE KEY NOTES ABOVE
 - (X) = DOOR TYPE - SEE SCHEDULE, SHEET N3.0
 - (X) = WINDOW TYPE - SEE SCHEDULE, SHEET N3.0
 - (X) = DOOR HARDWARE - SEE HARDWARE SCHEDULE, SHEET N3.0
- 2X4 METAL STUD WALL
 - 2X6 METAL STUD WALL
 - 2X8 METAL STUD WALL
 - 2X10 METAL STUD WALL
 - 2X12 BUMP OUT WALL

- ACOUSTIC CONTROLS**
- WHEN THE BUILDING IS SITE ADAPTED, THE BUILDING AND SITE FEATURES SHALL COMPLY WITH THE CALGREEN CODE, SECTION 5.507.4, FOR THE SPECIFIC SITE LOCATION.
 - MINIMUM WALL ASSEMBLIES:**
WALL ASSEMBLIES SHALL BE CONSTRUCTED PER DETAIL SHEETS A5.1 WITH 6" STEEL STUDS PER LISTED OPTIONS.
MINIMUM STC RATINGS LISTED BELOW ARE PER THE CATALOG OF STC & IIC RATINGS FOR WALL AND FLOOR/CEILING ASSEMBLIES, PRODUCED BY THE OFFICE OF NOISE CONTROL, CA DEPARTMENT OF HEALTH SERVICES.
- (1) LAYER 1/2" GYPSUM BOARD SECURED TO MIN. 2 1/2" METAL STUDS @ 24" O.C. MAX.
 - STC=27 (CATALOG SECTION 1.3.2.5.4.1) TEST REF: NATIONAL RESEARCH COUNCIL OF CANADA - NRC #66

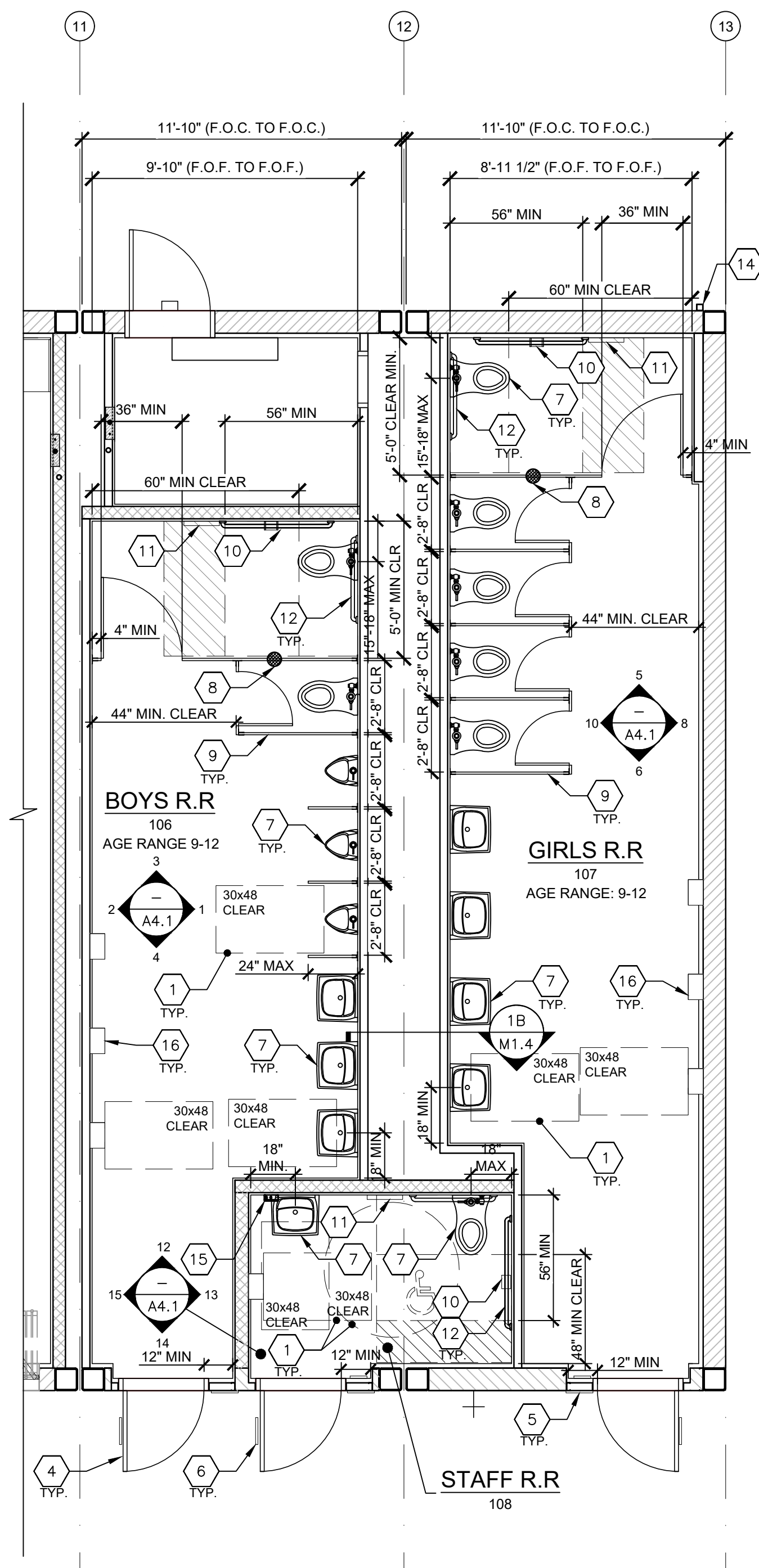
- IN THE EVENT THAT A CLASSROOM IS DESIGNED TO CONNECT TO ANOTHER CLASSROOM OR RESTROOM, INTERIOR SOUND TRANSMISSION IN THE INTERIOR ADJOINING WALL AND FLOOR/CEILING SHALL MEET THE MINIMUM REQUIREMENT OF A STC OF 40, PER CALGREEN CODE SECTION 507.4.3. (EXAMPLES OF QUALIFYING ASSEMBLIES SHOWN BELOW).
-
- (2) LAYER 5/8" GYPSUM BOARD SECURED TO MIN. 2 1/2" METAL STUDS @ 24" O.C. MAX. W/3/2" THK BATT INSULATION
- STC=48
TEST REF: AUDIO ALLOY L.L.C TEST NUMBER OL-92-410
- MINIMUM WINDOW & DOOR RATINGS:
ALL WINDOWS AND DOORS SPECIFIED ON THE SCHEDULES FOUND ON SHEET N3.0 OF THIS PACKAGE SHALL MEET A MINIMUM STC RATING OF 27.

PLATE @ POST OF ELEVATOR BRIDGE RAILING TO BALCONY SCALE: 1" = 1'-0"

CLASSROOM SINK - DETAIL NTS

SYMBOLS LEGEND

ACOUSTIC NOTES



- 1 CLEAR FLOOR SPACE AREA
- 2 TYP. MOD LINE
- 3 OVERHANG PER PLAN
- 4 DOOR PER SCHEDULE ON SHEET N3.0, TYP.
- 5 RESTROOM SIGNAGE (BY OTHERS) PER SIGNAGE DETAILS ON PAGE 11.00 OF ARCHITECTS PLANS
- 6 ROOM AND ISA SIGNAGE (BY OTHERS) PER SIGNAGE DETAILS ON PAGE 11.00 OF ARCHITECTS PLANS
- 7 PLUMBING FIXTURE PER P1.0
- 8 FLOOR DRAIN (LOCATION MAY VARY) - PER P1.0 1:48 FLOOR SLOPE MAX.
- 9 TOILET PARTITIONS (ACCURATE, SOLID PLASTIC, OR EQUAL)
- 10 TOILET TISSUE DISPENSER (BRADLEY MODEL 508-32, OR EQUAL)
- 11 TOILET SEAT COVER DISPENSER (BOBRICK MODEL B-221, OR EQUAL)
- 12 GRAB BARS - SEE 3/A7.2
- 13 FIREBLOCKING/DRAFTSTOP PER DETAIL 4/M1.5
- 14 DOWNSPOUT - DISCHARGE TO SPLASH BLOCK (U.N.O.)
- 15 INSTANTHOT WATER HEATER
- 16 HAND DRYER- 4" MAX PROTRUSION INTO PATH OF TRAVEL

KEY NOTES

1. DIMENSIONS ARE TO FACE OF FINISH (F.O.F.) UNLESS NOTED OTHERWISE (i.e. F.O.C.).
2. RESTROOM CONFIGURATION MAY VARY PER BUILDING CONFIGURATION.
3. RESTROOM MODULE OCCURS ONLY AT END OF BUILDING. SINGLE RESTROOMS MAY OCCUR IN ANY PART OF A BUILDING.
4. RESTROOM MODULE CANNOT STAND ALONE AND SHALL BE ASSEMBLED TOGETHER WITH AT LEAST ONE OTHER MODULE OF THE SAME SIZE.
5. INTERIOR WALLS MAY OCCUR THROUGHOUT BUILDING. REFER TO SHEET S9.1 FOR ATTACHMENTS.
6. REFER TO SCHEDULE 7/P3.0 FOR ACCESSIBLE HEIGHTS AT TOILETS.
7. REFER TO DETAILS 4 & 5, SHEET A7.2 FOR TOILET PARTITION ANCHORAGE BLOCKING.
8. SEWER AND WATER STUB OUTS SHALL BE LOCATED WITHIN THE ALLOWABLE AREA AS SHOWN ON FLOOR PLAN AND CONNECTIONS SHALL BE EASILY ACCESSIBLE FOR FUTURE RELOCATION. STUB OUT HEIGHT SHALL BE COORDINATED BY THE MANUFACTURER.
9. PIPING MATERIAL
 - a. WATER: COPPER TYPE "L", 95/5 SOLDER.
 - b. WASTE DRAIN AND VENT: ABS.

PLUMBING NOTE
 MODULAR MFR. TO STUB THROUGH FLOOR ALL PLUMBING LINES. BUILDING PERIMETER POC'S SHOWN ARE FOR COORDINATION PURPOSES ONLY. ALL UNDER-FLOOR CONNECTIONS ARE BY SITE CONTRACTOR, U.O.N.

SITE NOTE
 3/16:12 (1%) MINIMUM TO 1/4:12 (2%) MAXIMUM GRADE FROM FACE OF BUILDING MUST BE ADHERED TO FOR WATER RUN-OFF. PONDING MAY OCCUR AROUND THE PERIMETER OF THE BUILDING.

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SET NAME
 (1) 144'x40' 2 STORY
 CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
 GLENDALE USD
 MONTE VISTA
 ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

REVISIONS

NO.	DESCRIPTION

DRAWN BY: AH
 SCALE: AS NOTED
 DATE: 07/05/21
 PROJECT NO: 1614-20

SHEET TITLE:
ENLARGED RESTROOM PLAN

SHEET NUMBER:
A1.2

RESTROOM FLOOR PLAN

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

GENERAL NOTES

- 1 = KEY NOTE - SEE KEY NOTES, THIS SHEET
- X = DOOR TYPE - SEE SCHEDULE SHEET N3.0
- X = DOOR HARDWARE - SEE HARDWARE SCHEDULE SHEET N3.0
- X = WINDOW TYPE - SEE SCHEDULE SHEET N3.0
- 60" = 60" DIAMETER CLEAR FLOOR TURNING SPACE
- 1-1 = CLEAR FLOOR SPACE

NOT USED

NOT USED

NOT USED

SHEET NOTES

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 SS FLS ACS
 DATE: 09/29/2021



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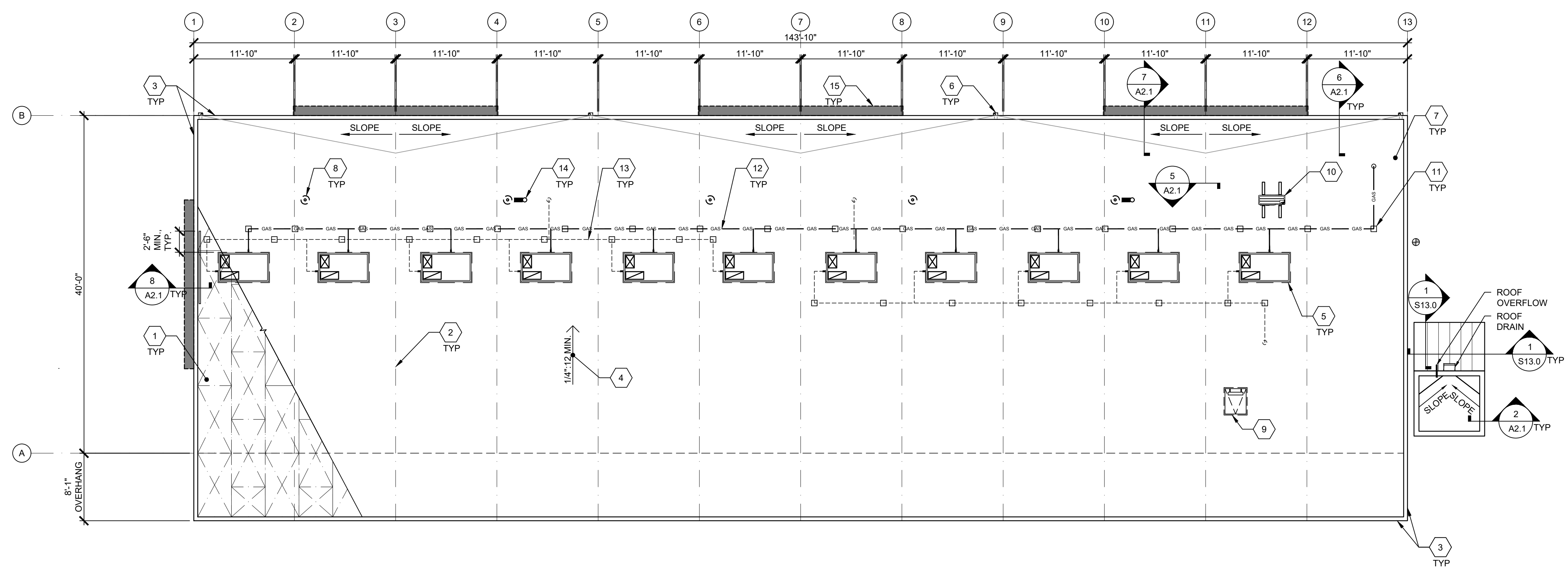
REVISIONS	

DRAWN BY: AH
 SCALE: AS NOTED
 DATE: 07/05/21
 PROJECT NO: 1614-20

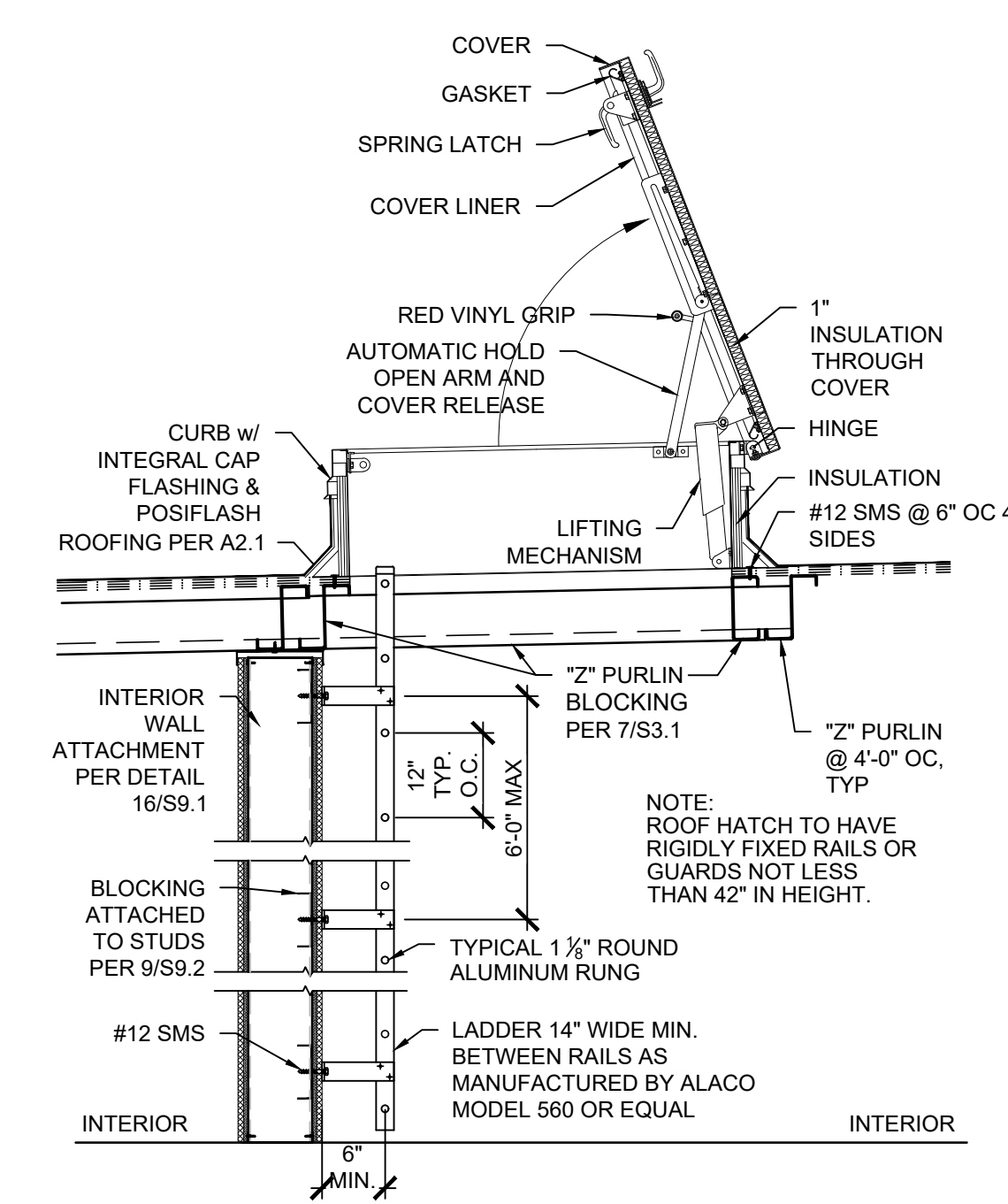
SHEET TITLE:
 ROOF PLAN

SHEET NUMBER:
 A2.0

- 1 ROOF SHEATHING PER SHEET S4.0
- 2 TYPICAL MOD LINE
- 3 PARAPET
- 4 TYPICAL ROOF SLOPE
- 5 TYPICAL HVAC UNIT
- 6 ROOF DRAIN/OVERFLOW, PER DETAIL 9/A2.1
- 7 SBS MODIFIED BITUMINOUS MEMBRANE ROOFING, COLD-APPLIED PER SHEET A2.1
- 8 PIPE VENT PER PLUMBING PLANS - PER DETAIL 5/M1.4. REFER TO PLUMBING PLANS FOR LOCATIONS
- 9 ROOF HATCH W/ACCESS LADDER - SEE A/
- 10 SPLIT HVAC OUTDOOR CONDENSING UNIT PER DETAILS 11 & 12/A2.1
- 11 PIPE SUPPORT PER DETAIL 5/M1.4
- 12 GAS LINE (LOCATION MAY VARY PER SITE CONDITION)
- 13 CONDENSATE LINE (LOCATION MAY VARY PER SITE CONDITION)
- 14 HOSE BIBB
- 15 BUMP OUT WALL

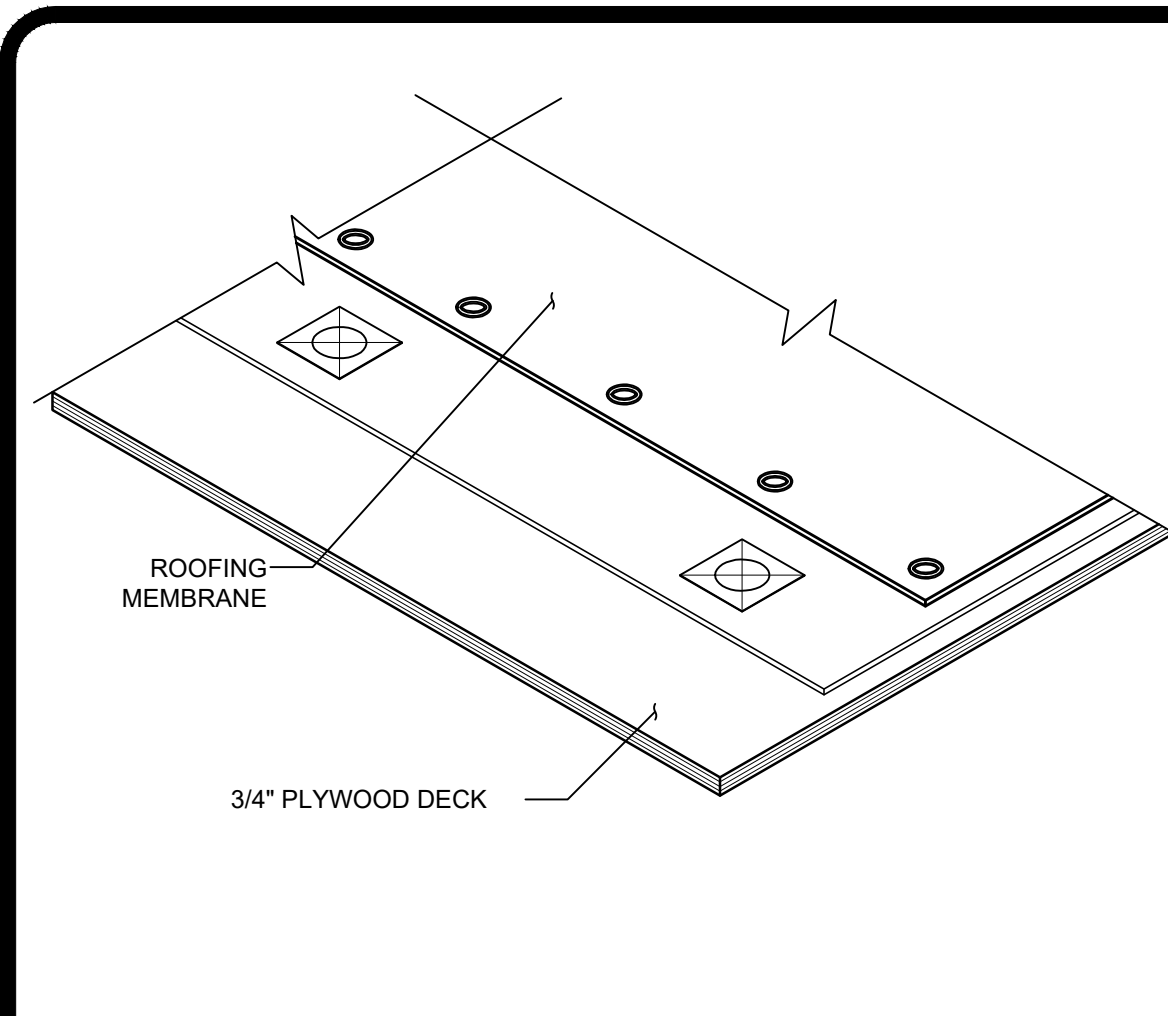


KEY NOTES

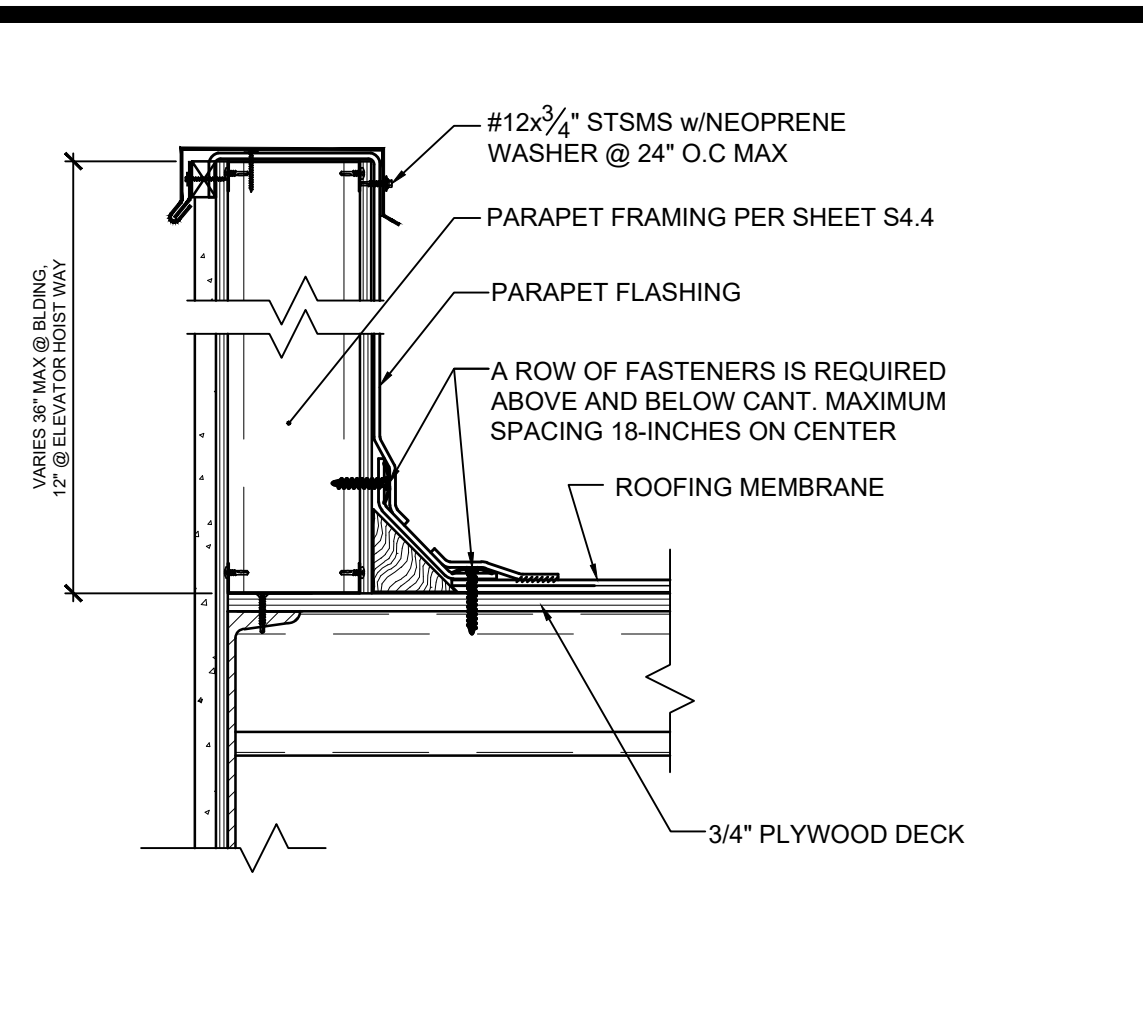


1 INTERIOR ROOF HATCH SCALE: 3/4" = 1'-0" A

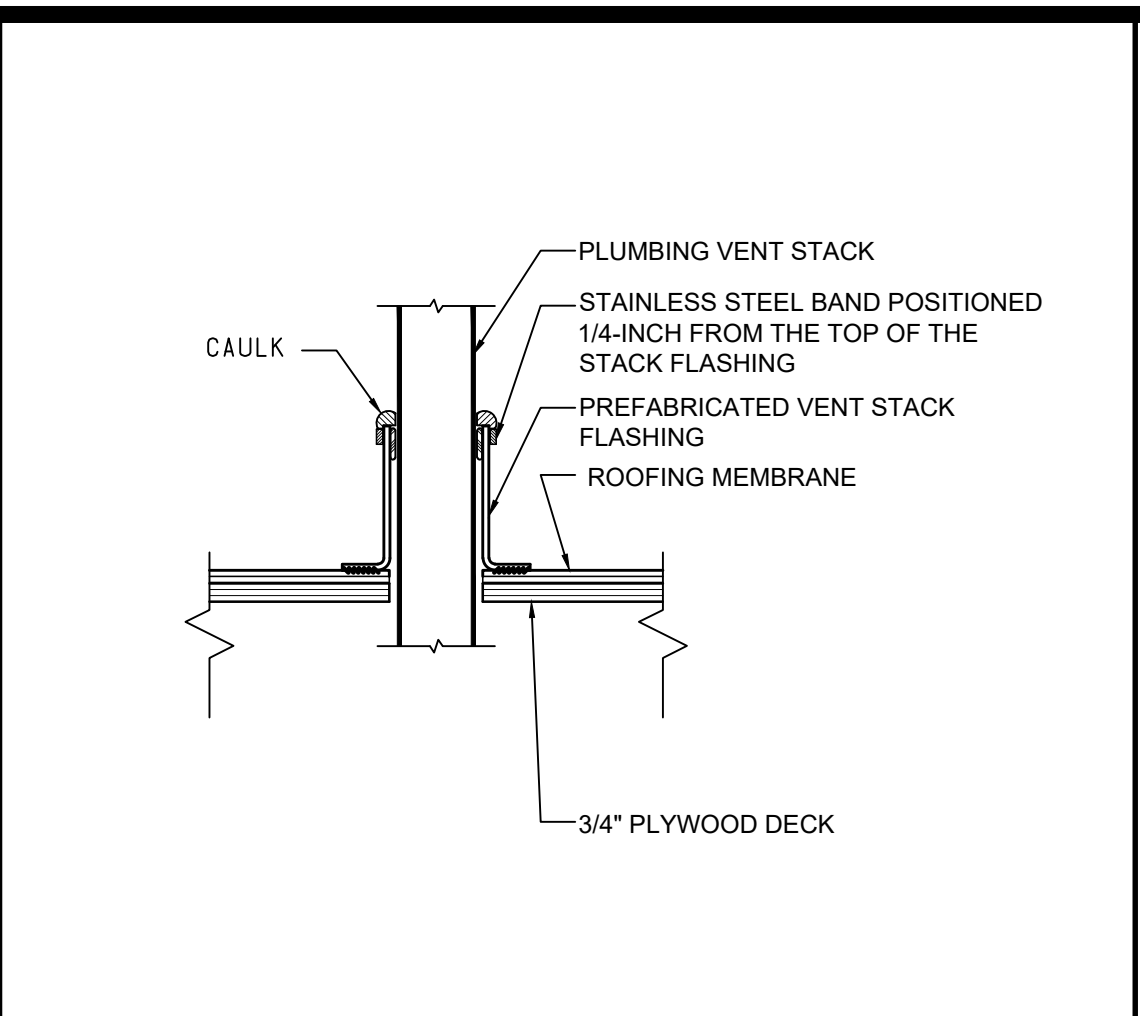
TYPICAL ROOF PLAN SCALE: 1/8" = 1'-0" 1



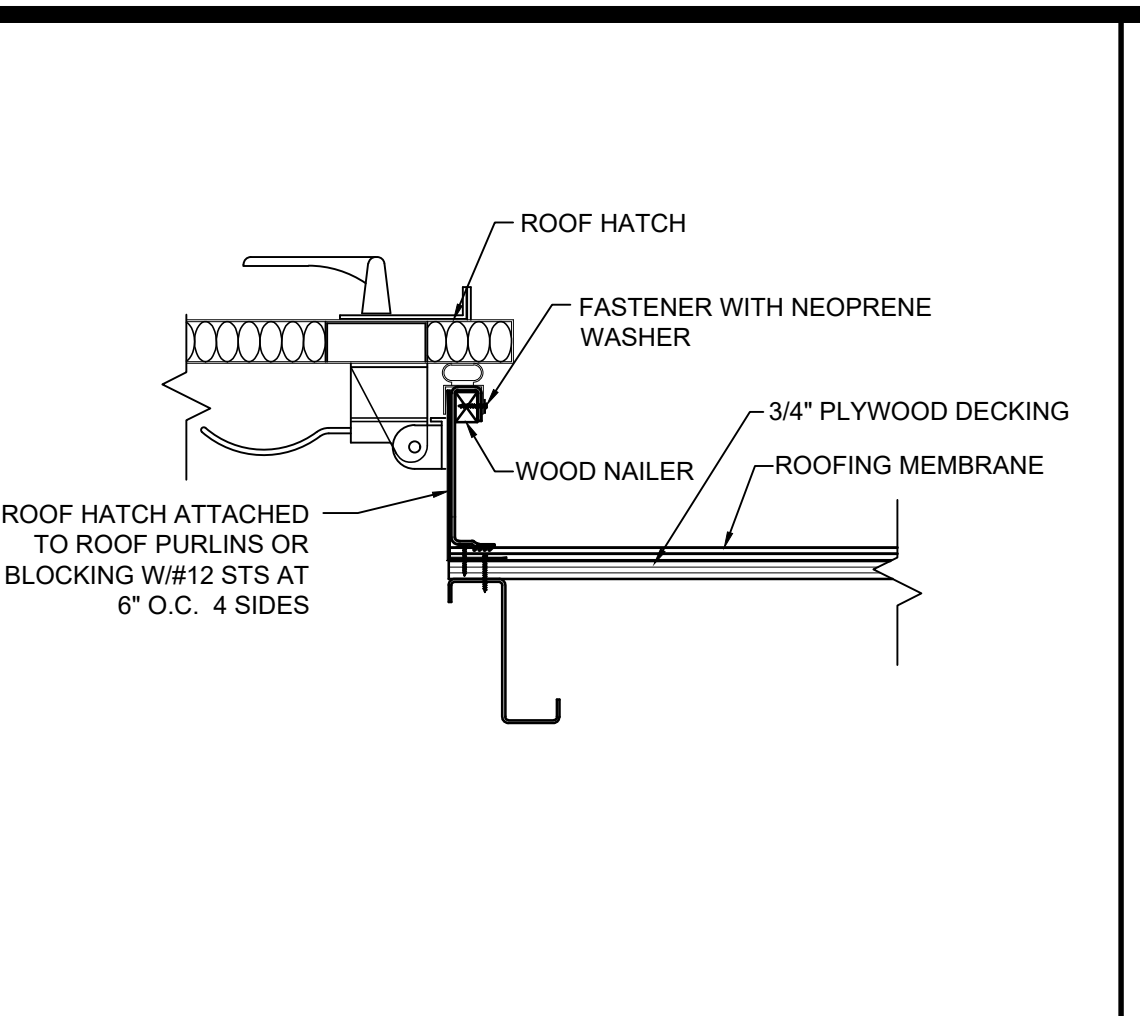
SINGLE PLY ROOFING DETAIL SCALE: 1 1/2"=1'-0" 1



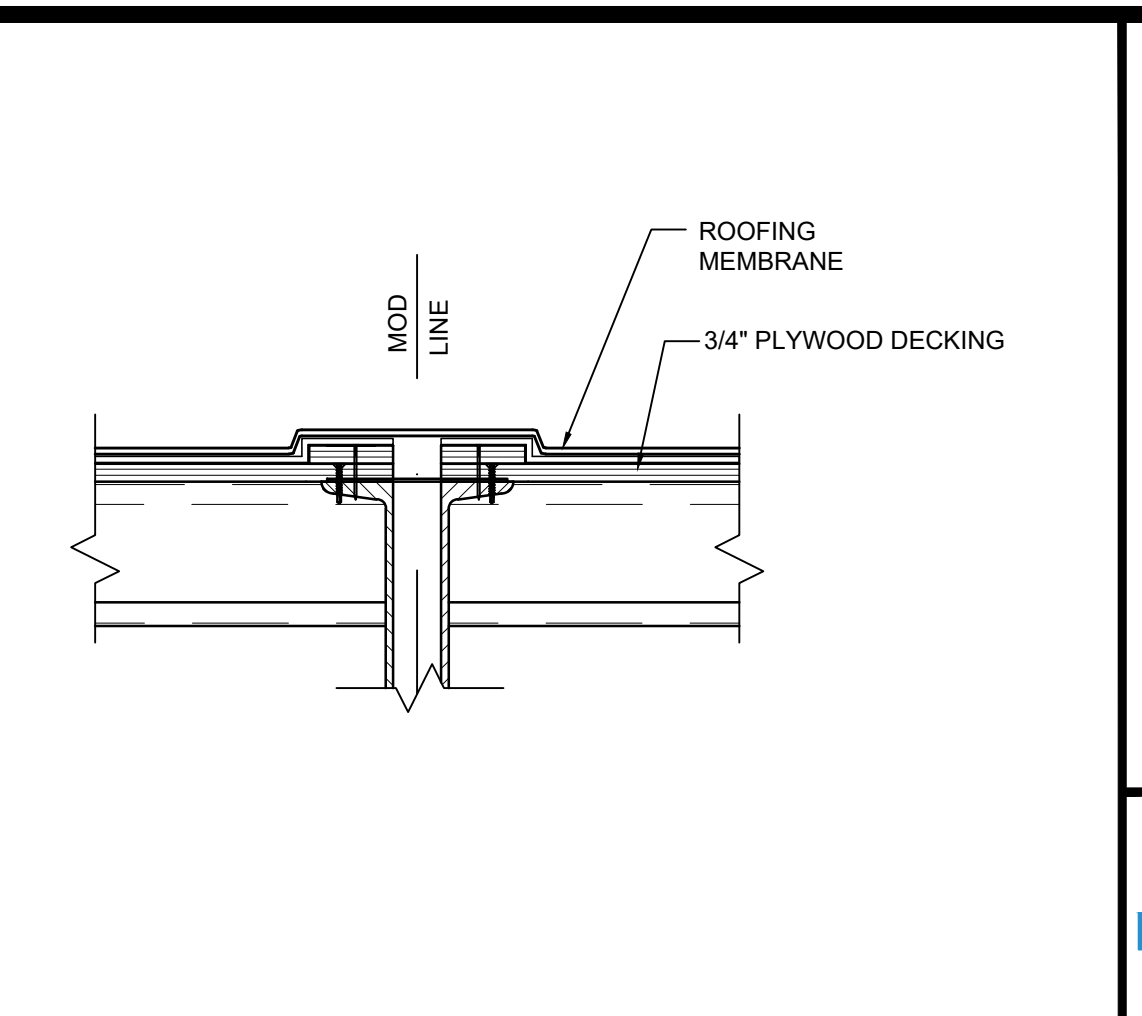
DETAIL @ PARAPET SCALE: 1 1/2"=1'-0" 2



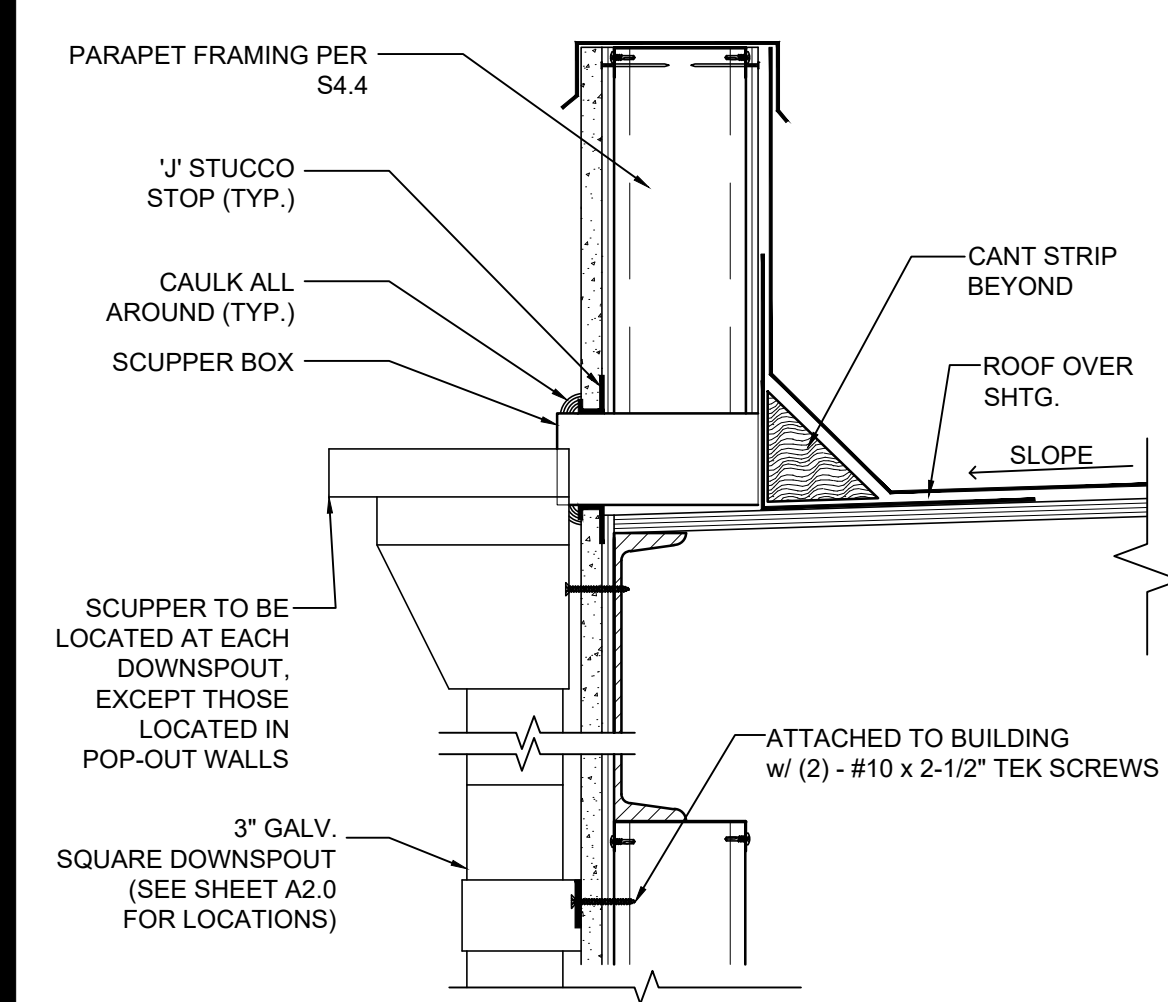
ROOF PENETRATION DETAIL SCALE: 1 1/2"=1'-0" 3



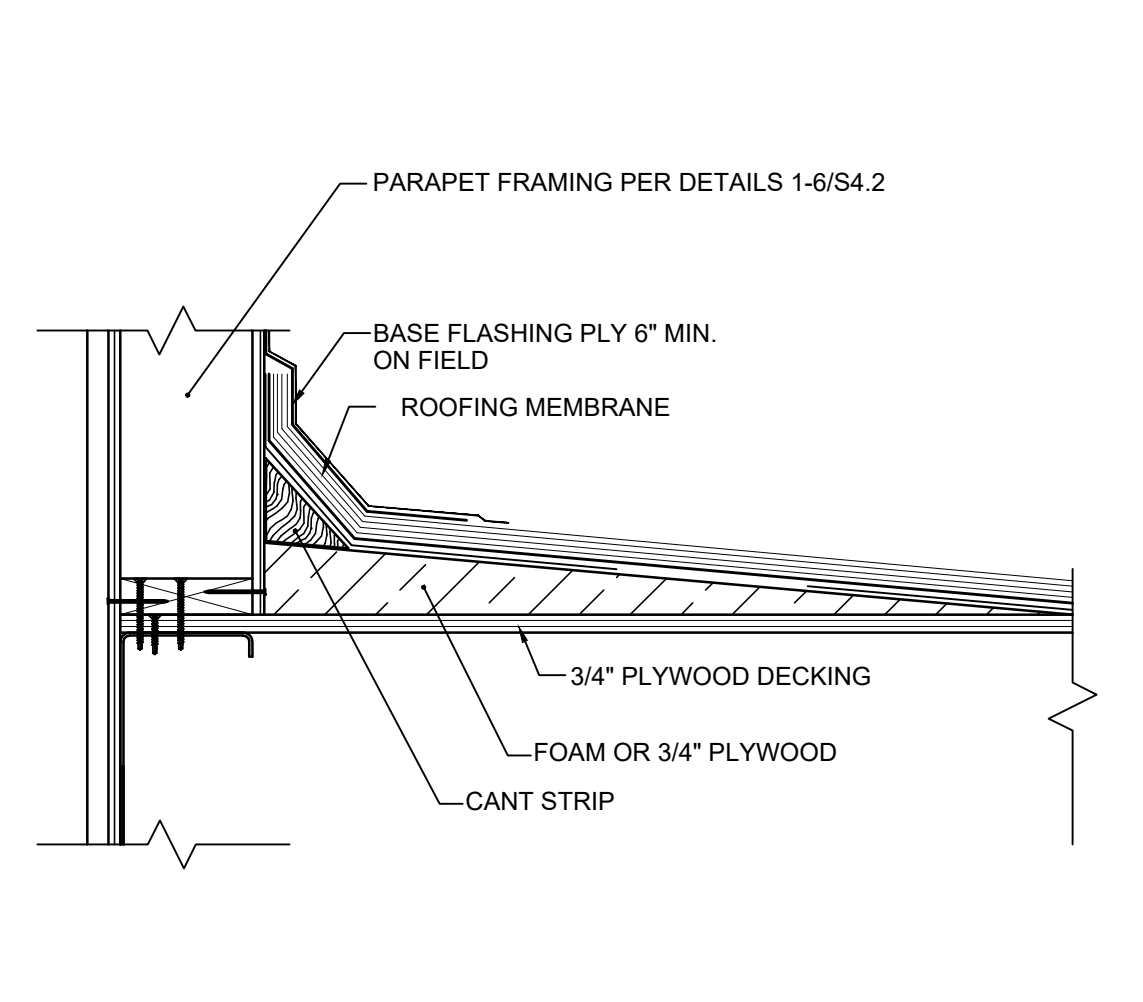
ROOF HATCH DETAIL SCALE: 1 1/2"=1'-0" 4



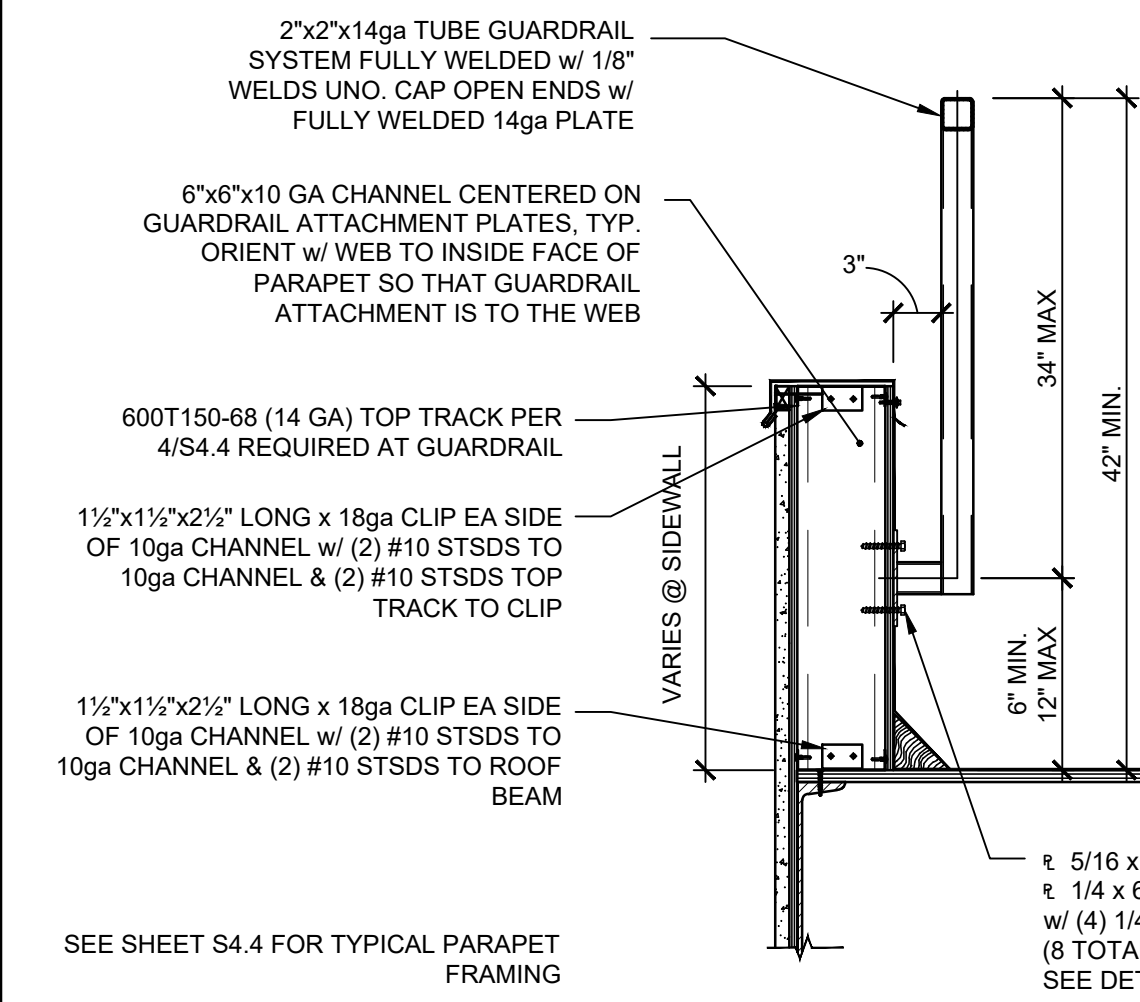
DETAIL AT MOD-LINE SCALE: 1 1/2"=1'-0" 5



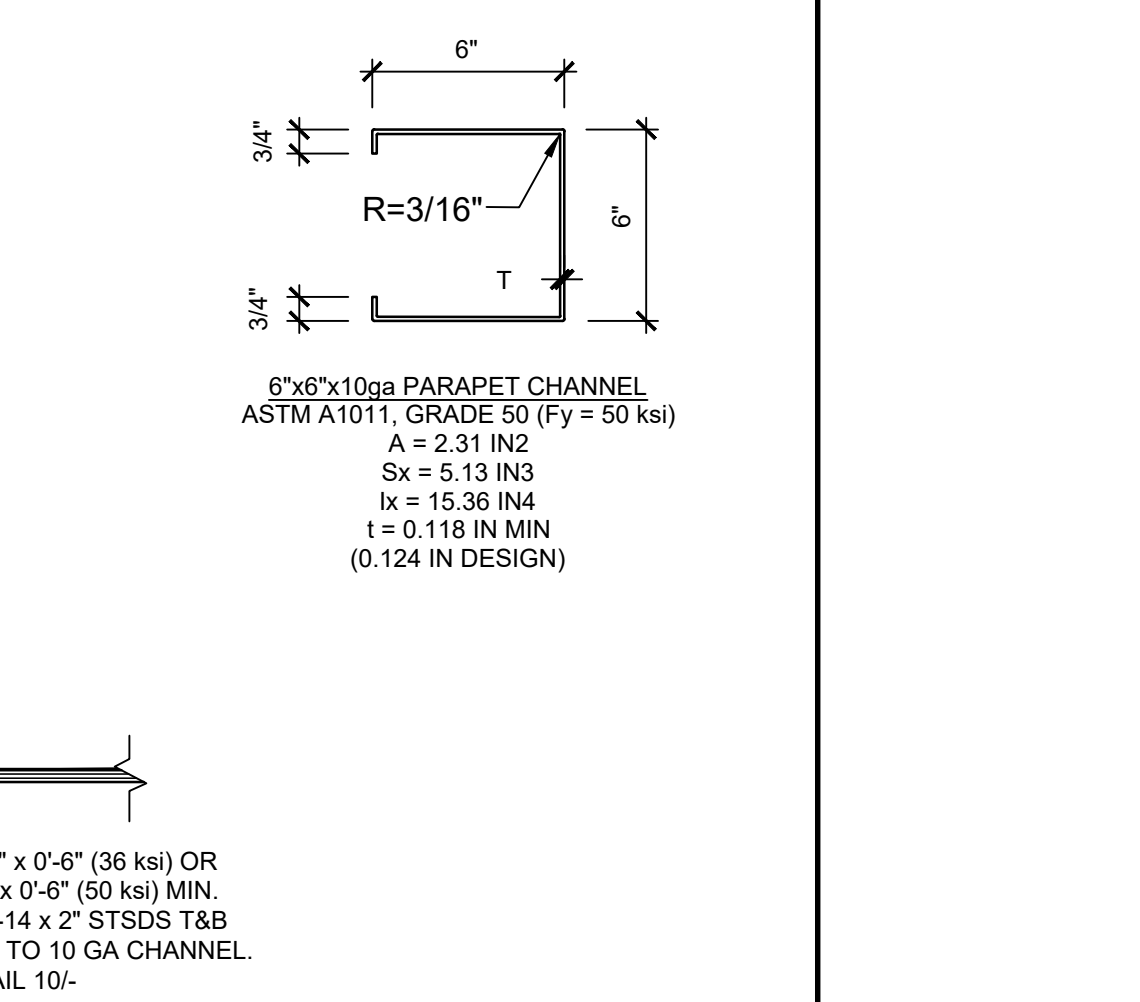
TYP. SCUPPER DETAIL SCALE: 1 1/2"=1'-0" 6



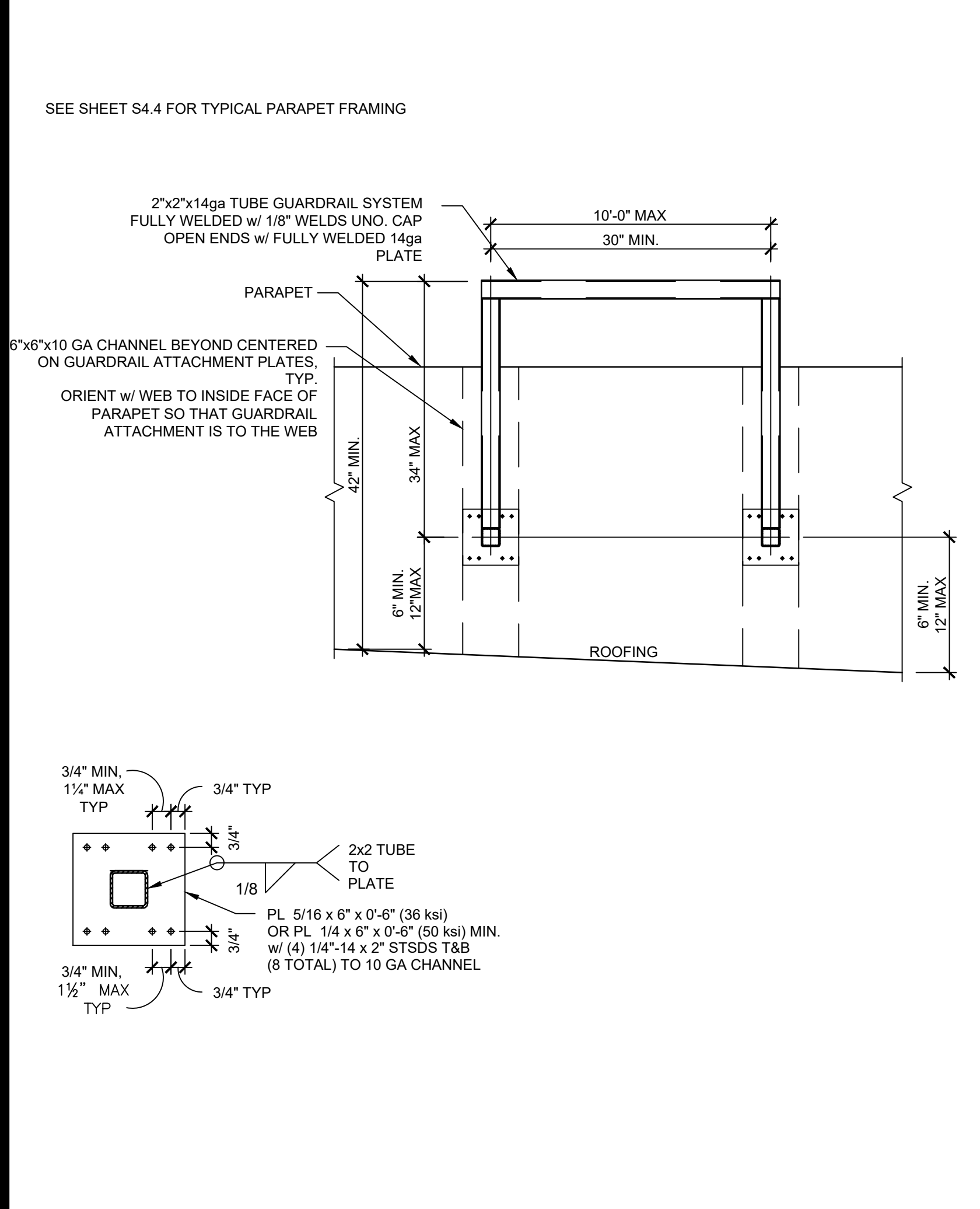
CRICKET DETAIL SCALE: 1 1/2"=1'-0" 7



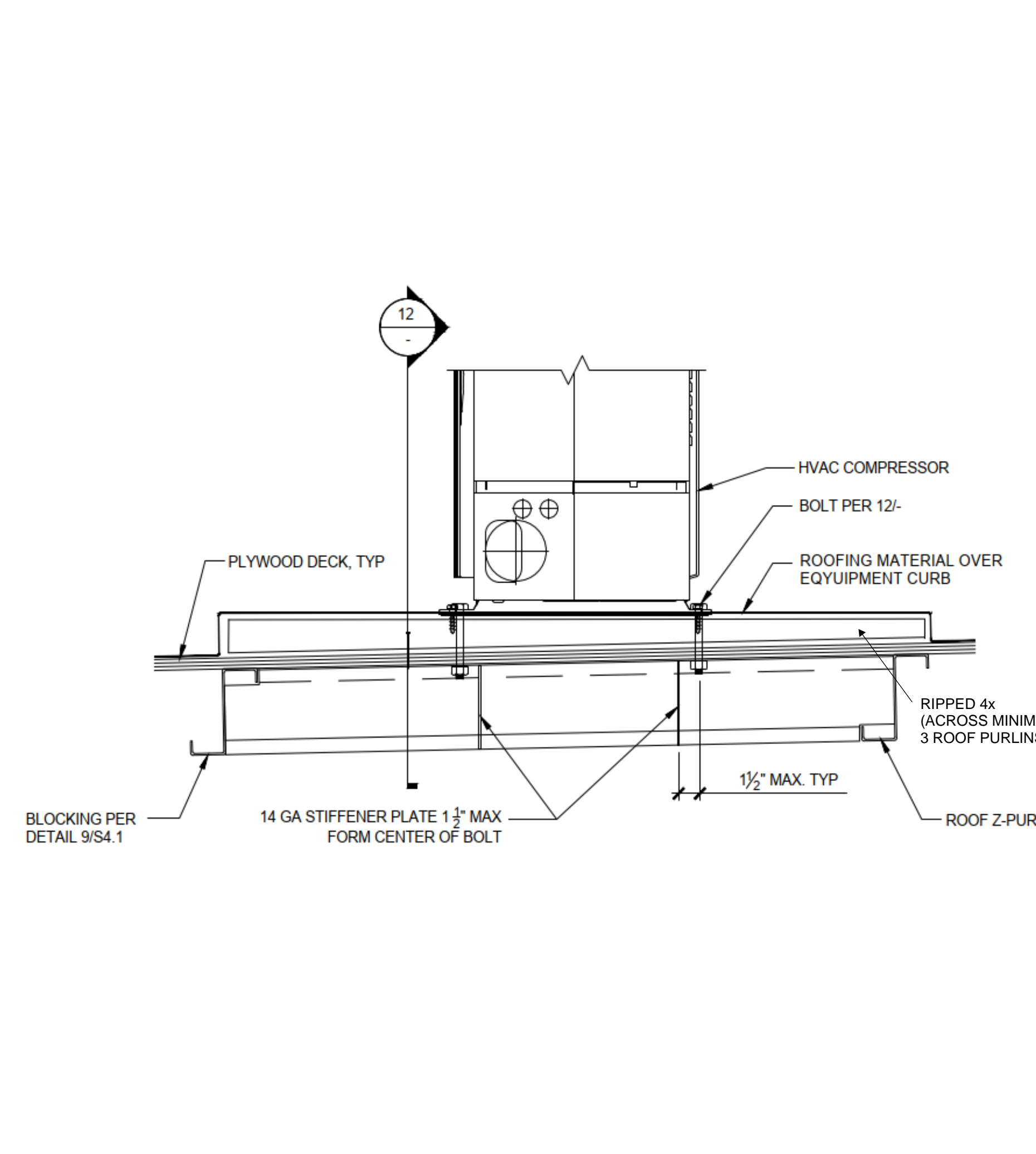
RAIL DETAIL SCALE: 1 1/2"=1'-0" 8



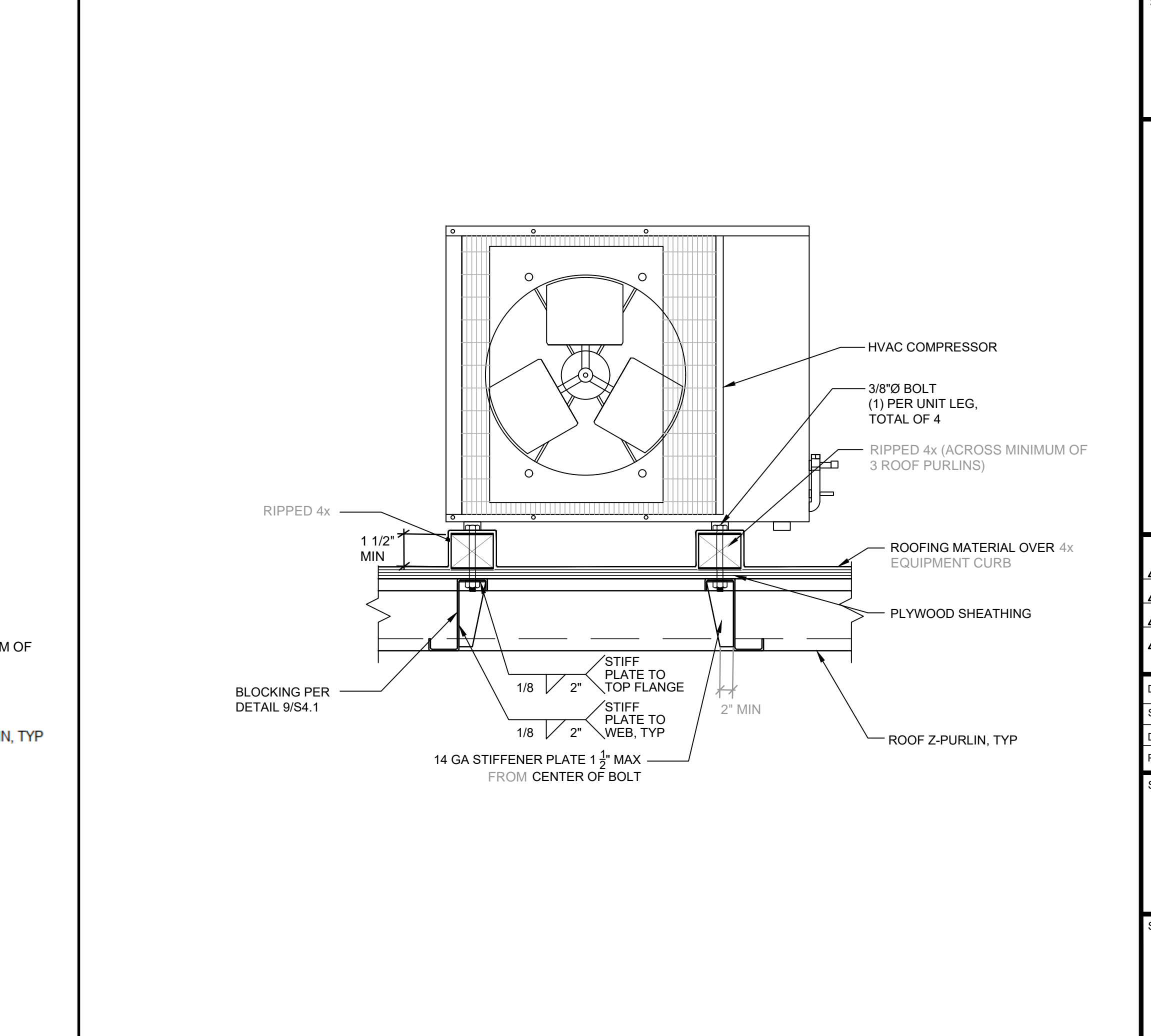
RAIN LEADER HEAD DETAIL SCALE: 1 1/2"=1'-0" 9



GUARD RAIL DETAIL SCALE: 1 1/2"=1'-0" 10



HVAC CONDENSER ANCHORAGE DETAIL SCALE: 1 1/2"=1'-0" 11



HVAC CONDENSER ANCHORAGE DETAIL SCALE: 1 1/2"=1'-0" 12

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-121419 INC.
REVIEWED FOR
SS FLS ACS
DATE: 09/29/2021



787 Spreckels Ave.,
Manteca, CA 95336
Phone (209) 825-1921
Fax (209) 825-7018
www.americanmodular.com

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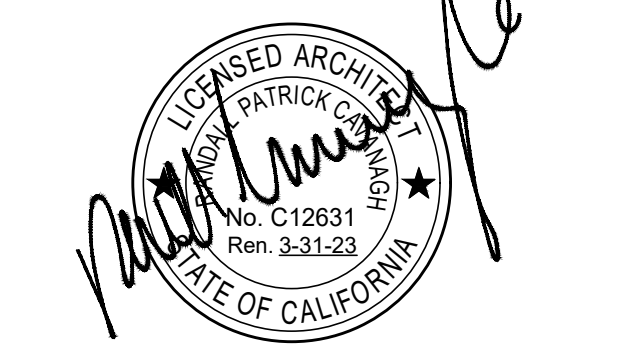
SET NAME

(1) 144'x40' 2 STORY
CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME

GLENDALE USD
MONTE VISTA
ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC



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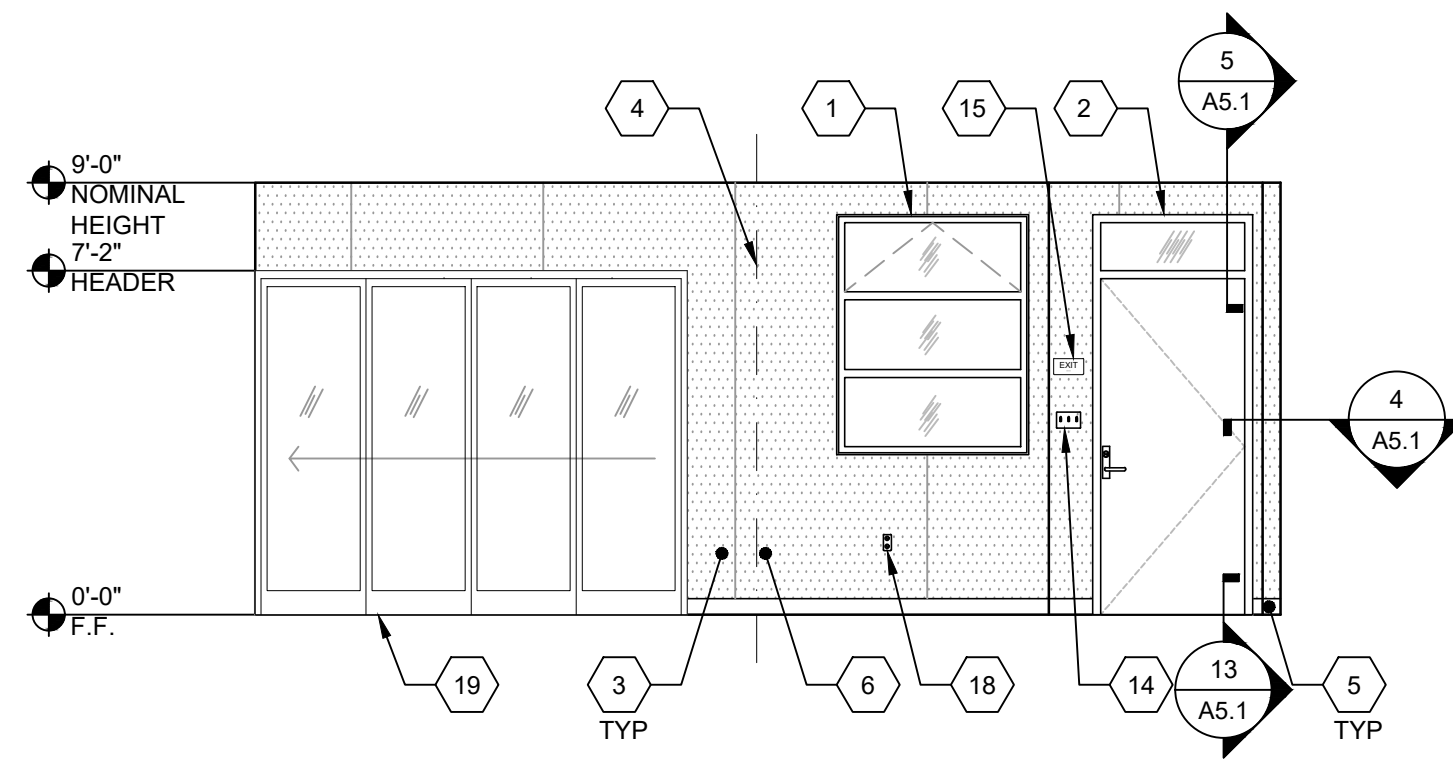
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DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20

SHEET TITLE:
ROOFING DETAILS

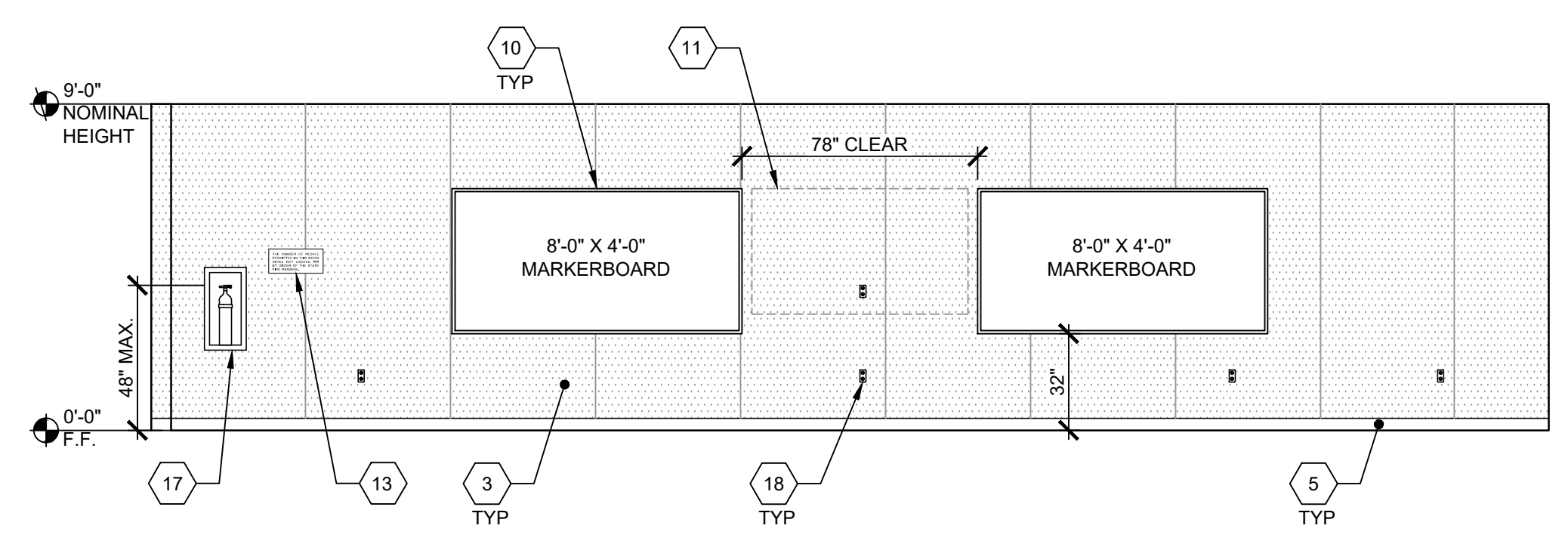
SHEET NUMBER:

A2.1



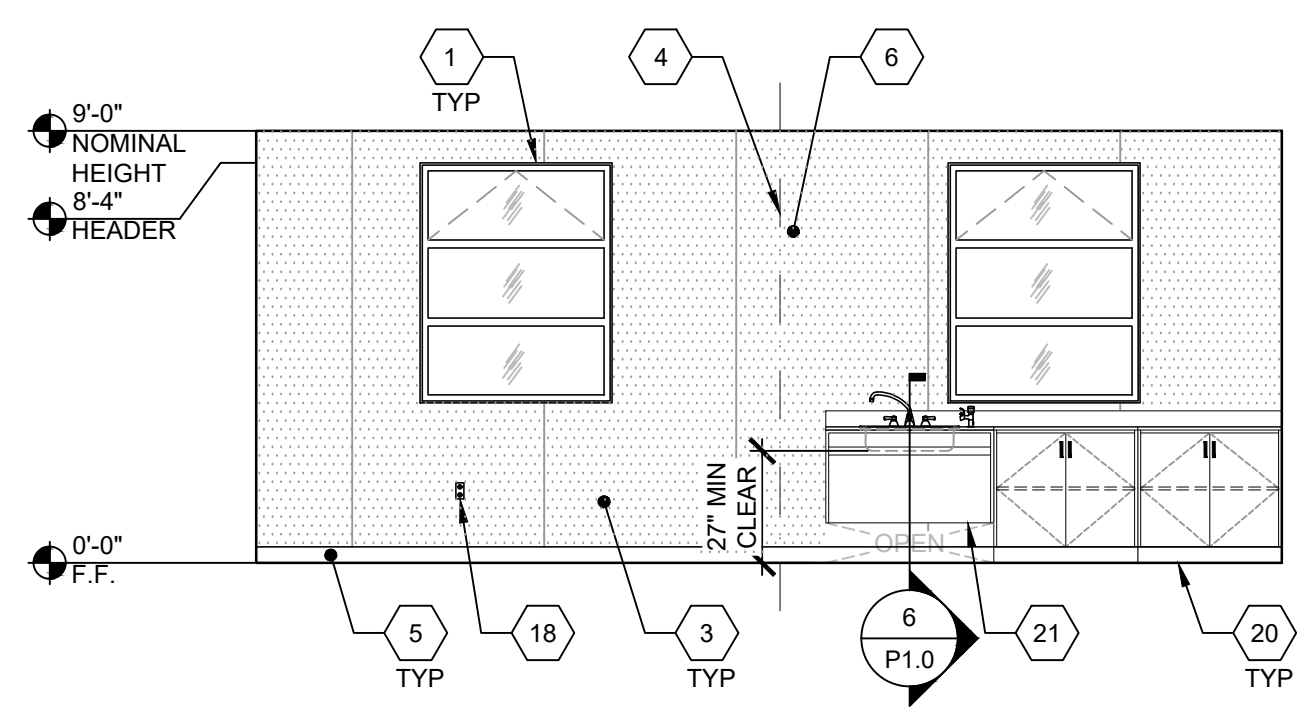
TYPICAL CLASSROOM FRONT WALL ELEVATION- GROUND FLOOR

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



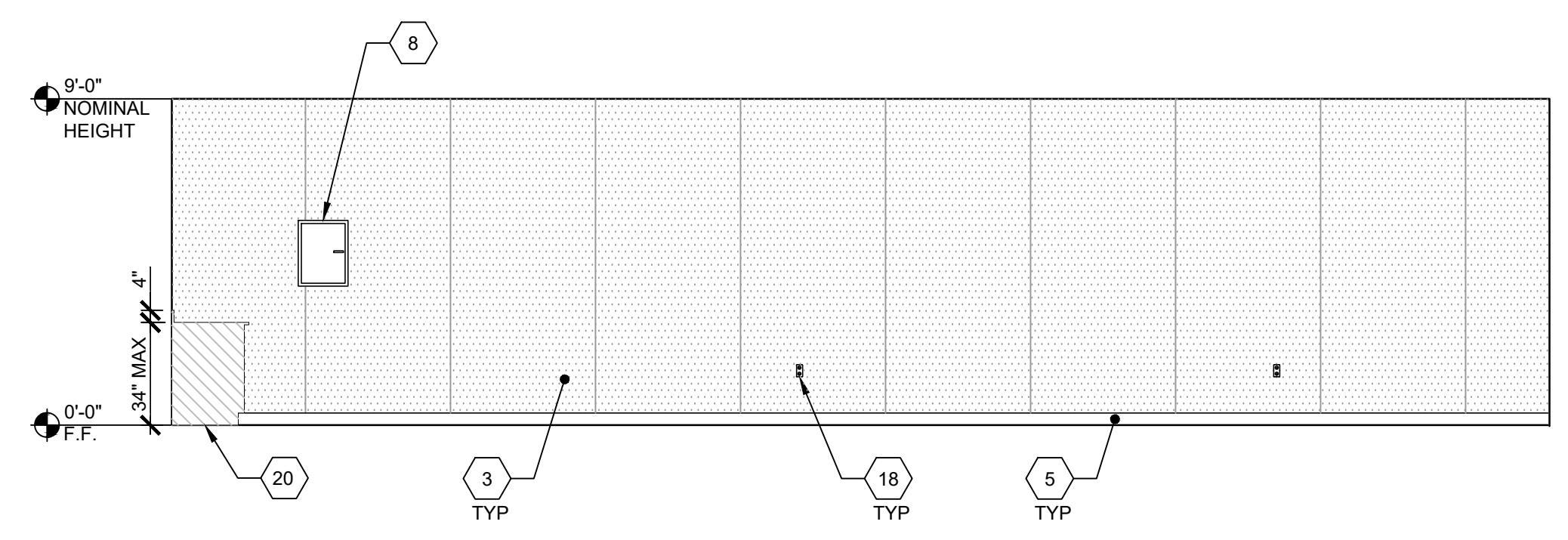
TYPICAL CLASSROOM SIDE WALL ELEVATION- GROUND FLOOR

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



TYPICAL CLASSROOM REAR WALL ELEVATION- GROUND FLOOR

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



TYPICAL CLASSROOM SIDE WALL ELEVATION- GROUND FLOOR

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

KEY NOTES

- 1 WINDOW. SEE SCHEDULE ON SHEET N3.0 FOR DETAILS AND SPECIFICATIONS.
- 2 TYP. EXTERIOR DOOR. SEE SCHEDULE ON SHEET N3.0.
- 3 VINYL WRAPPED TACKABLE WALL PANELS. SEE FINISH SCHEDULE ON SHEET N3.0.
- 4 TYP. MOD LINE
- 5 TOP SET BASE
- 6 FULL PANEL CLOSE-UP @ MOD-LINES, TYP.
- 7 NOT USED
- 8 ELECTRICAL PANEL - SEE ELECTRICAL SHEETS
- 9 NOT USED
- 10 8'x4' MARKERBOARD
- 11 FUTURE TV (BY DISTRICT)- AMS TO PROVIDE BLOCKING
- 12 NOT USED
- 13 OCCUPANT LOAD SIGN (BY OTHERS) PER SIGNAGE DETAILS ON PAGE 11.00 OF ARCHITECTS PLANS
- 14 LIGHT SWITCH, SEE ELECTRICAL SHEETS
- 15 EXIT TACTILE SIGN AT GROUND FLOOR (NIC), PER SIGNAGE DETAIL ON PAGE 11.00 OF ARCHITECTS PLANS
- 16 THERMOSTAT, TOP OF BOX @ 46" A.F.F. - SEE MECHANICAL SHEETS
- 17 FIRE EXTINGUISHER. TOP OF OPERATING HANDLE @ +48" A.F.F. MAX PROTRUSION OF 4" FROM WALL, OR BOTTOM OF FIRE EXTINGUISHER LESS THAN +27" A.F.F.
- 18 TYP. DUPLEX OUTLET, SEE ELECTRICAL SHEETS
- 19 NANA WALL- PROVIDE SAFETY GLAZING MATERIALS PER CBC 2406.421
- 20 CASEWORK- BLOCKING PER A7.2
- 21 CASEWORK W/ SINK- BLOCKING PER A7.2 & P1.0 FOR PLUMBING FIXTURE SCHEDULE

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(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

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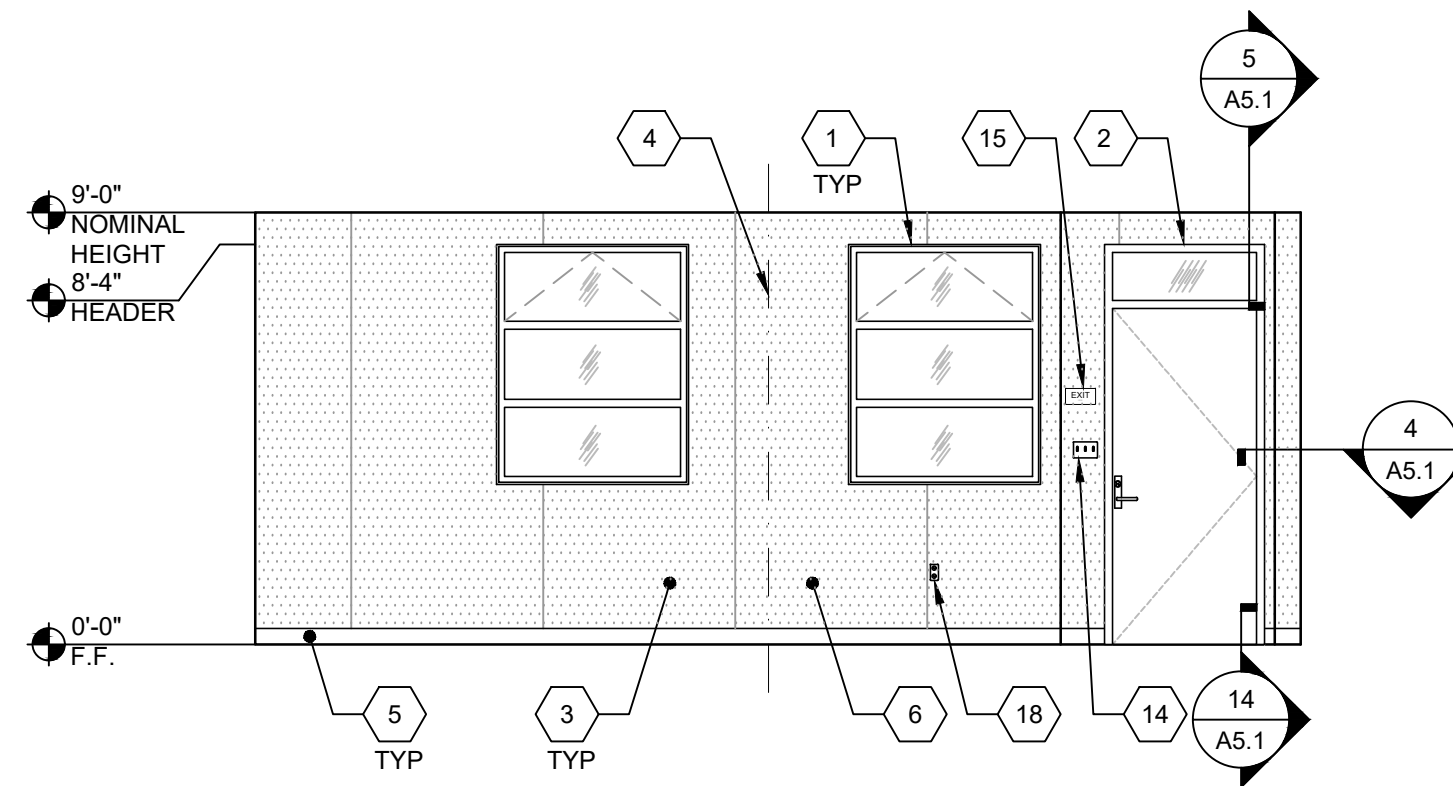
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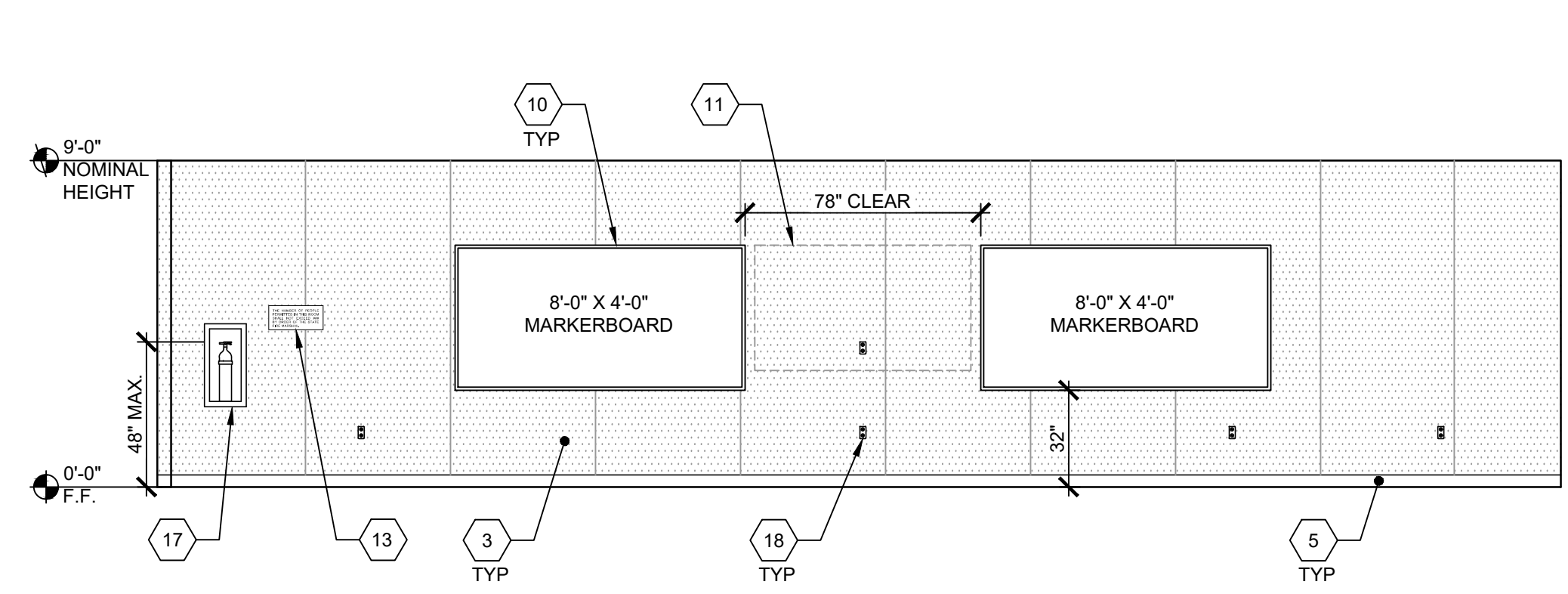
SHEET TITLE:
INTERIOR ELEVATIONS @ TYP. CLASSROOM

SHEET NUMBER:
A4.0A



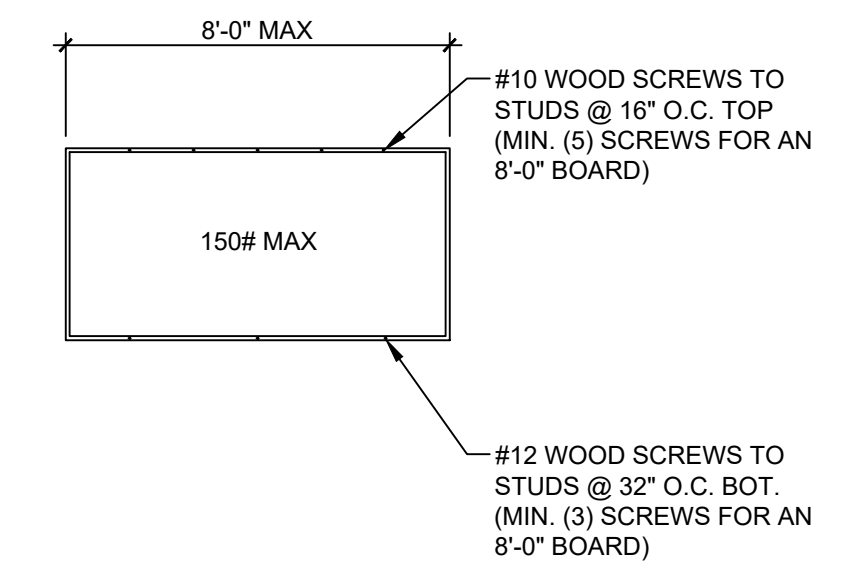
TYPICAL CLASSROOM FRONT WALL ELEVATION- SECOND FLOOR

SCALE : 1/4"=1'-0" 5

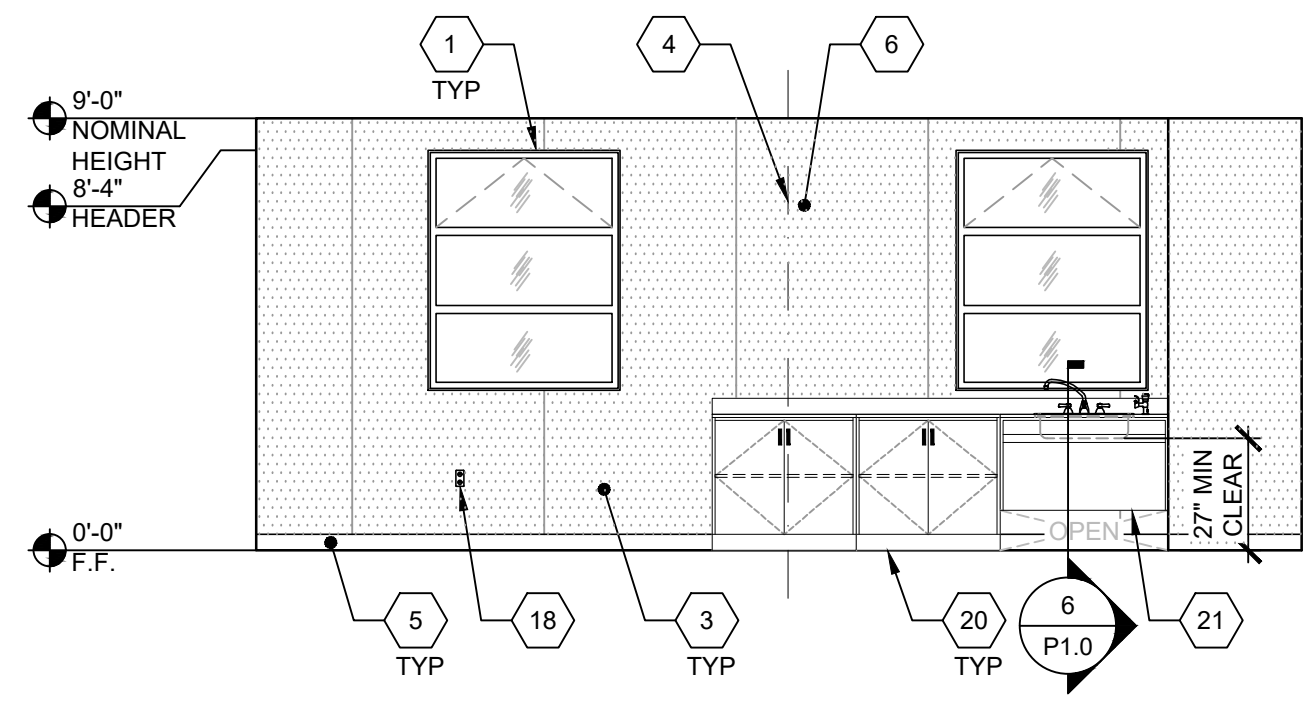


TYPICAL CLASSROOM SIDE WALL ELEVATION- SECOND FLOOR

SCALE : 1/4"=1'-0" 6

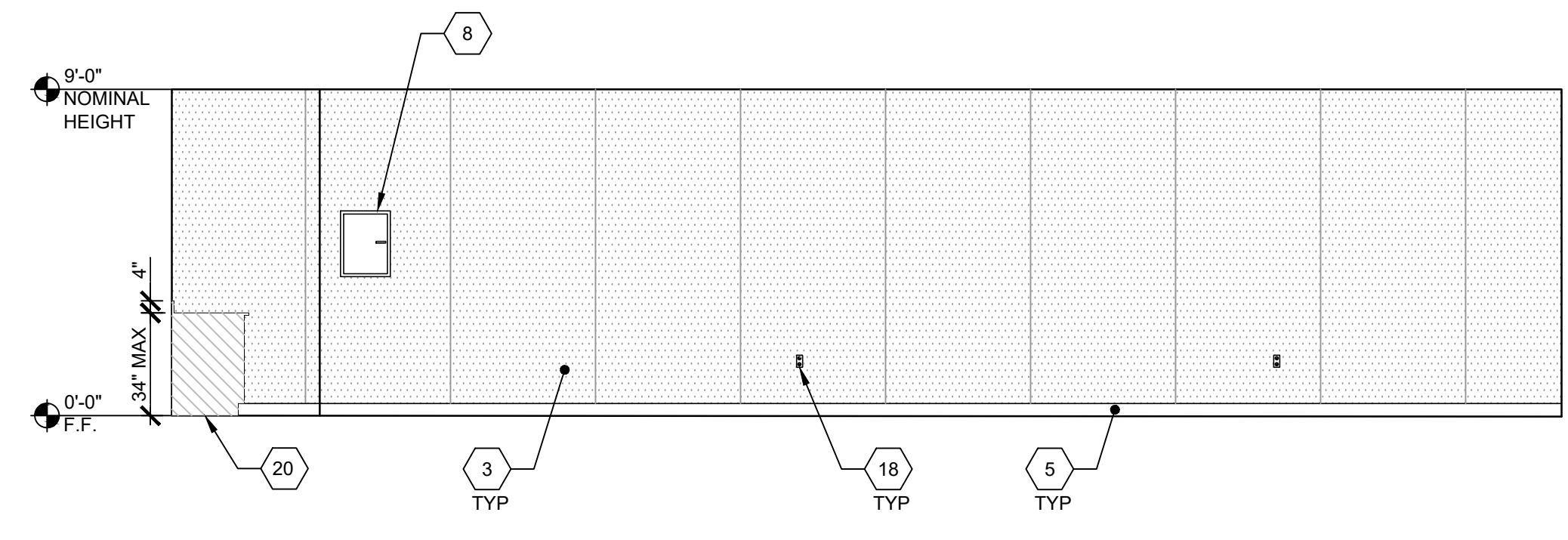


- NOTE:
- 1. ATTACHMENT IS FOR EACH MARKERBOARD.
 - 2. EACH WHITEBOARD SHALL PROTRUDE 4" MAX HORIZONTALLY INTO THE CIRCULATION PATH, PER CBC SECTION 11B-307.2.



TYPICAL CLASSROOM REAR WALL ELEVATION- SECOND FLOOR

SCALE : 1/4"=1'-0" 7

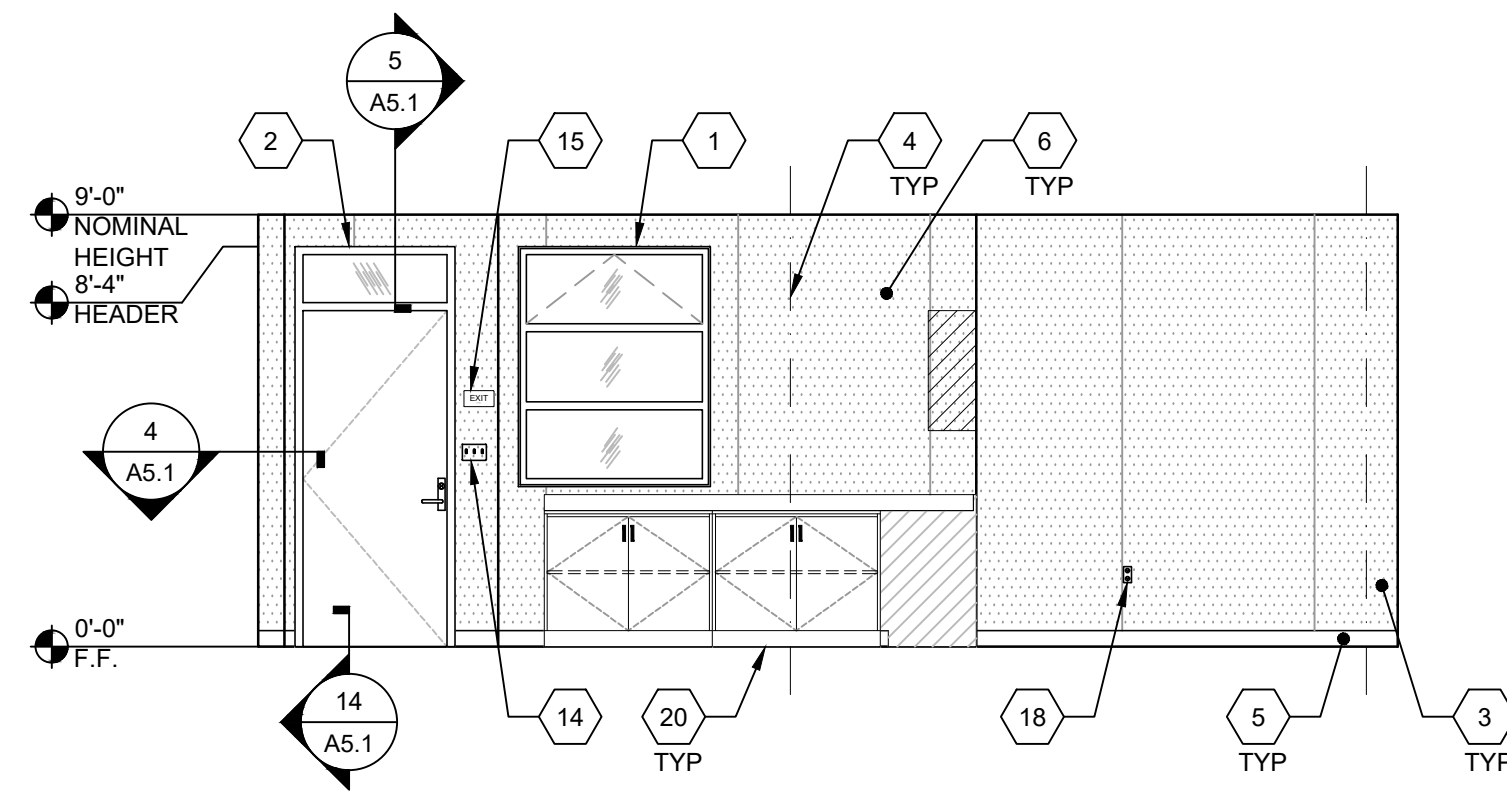


TYPICAL CLASSROOM SIDE WALL ELEVATION- SECOND FLOOR

SCALE : 1/4"=1'-0" 8

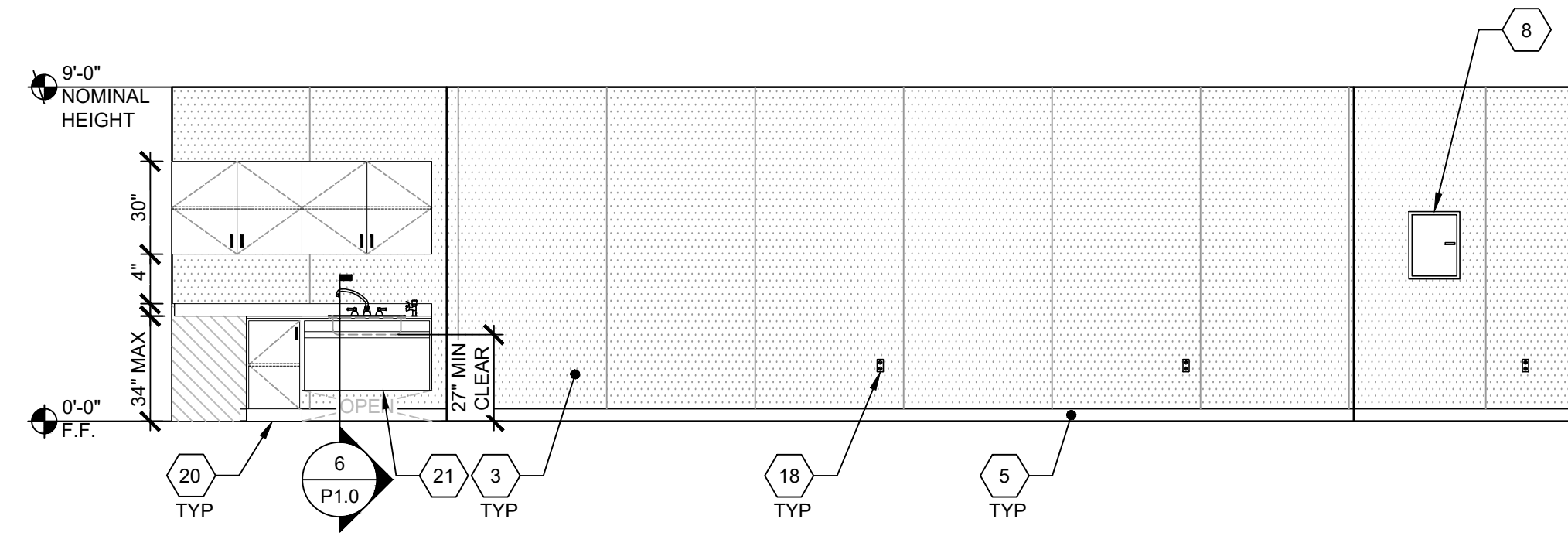
MARKERBOARD DETAIL

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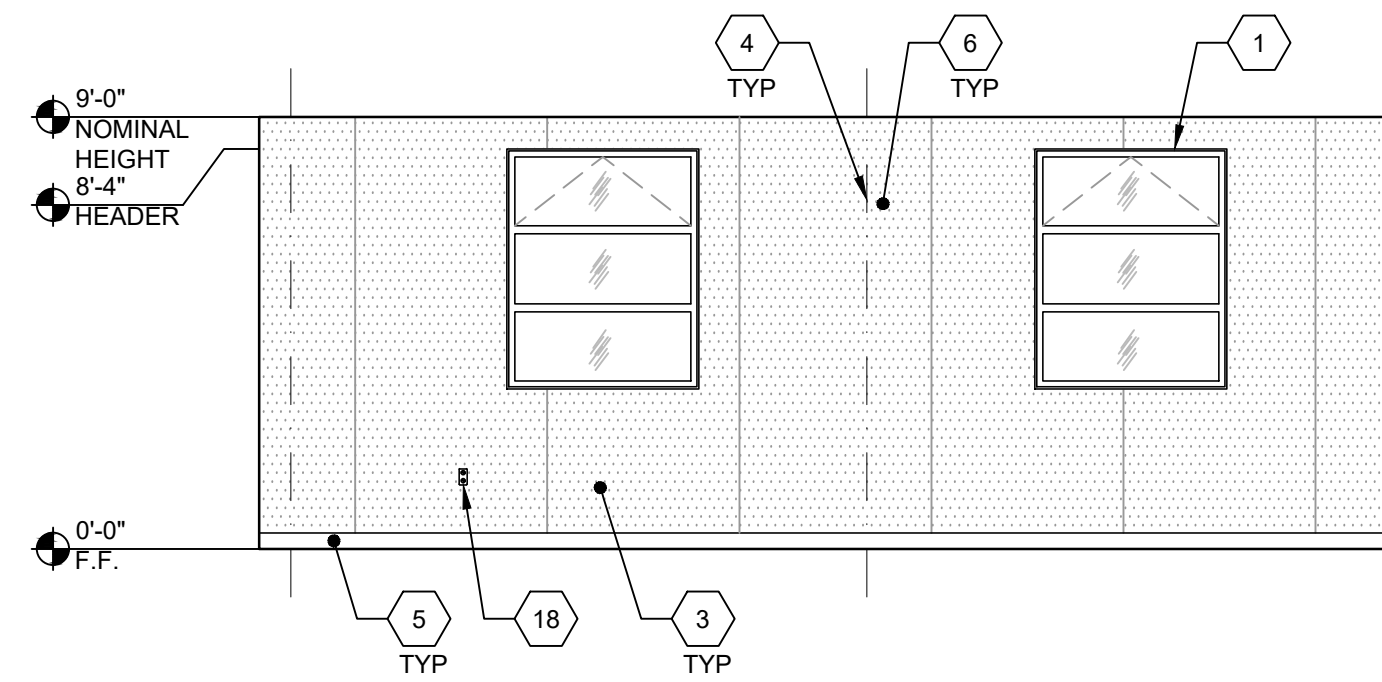
WORKROOM FRONT WALL ELEVATION

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



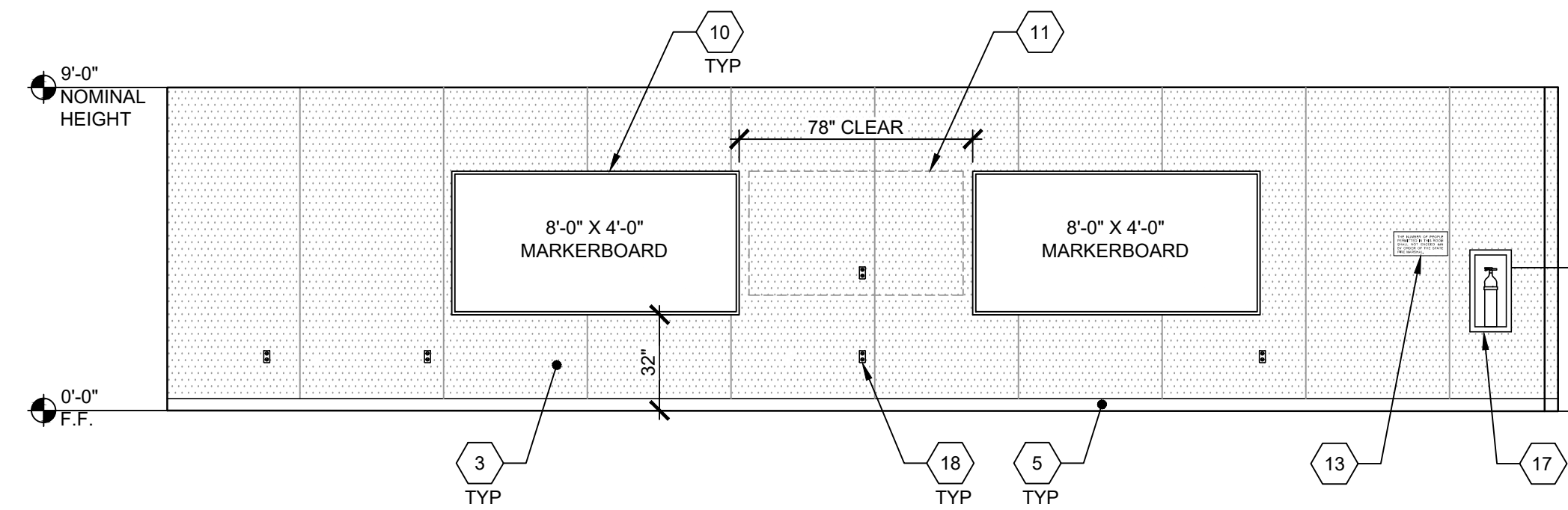
WORKROOM SIDE WALL ELEVATION

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



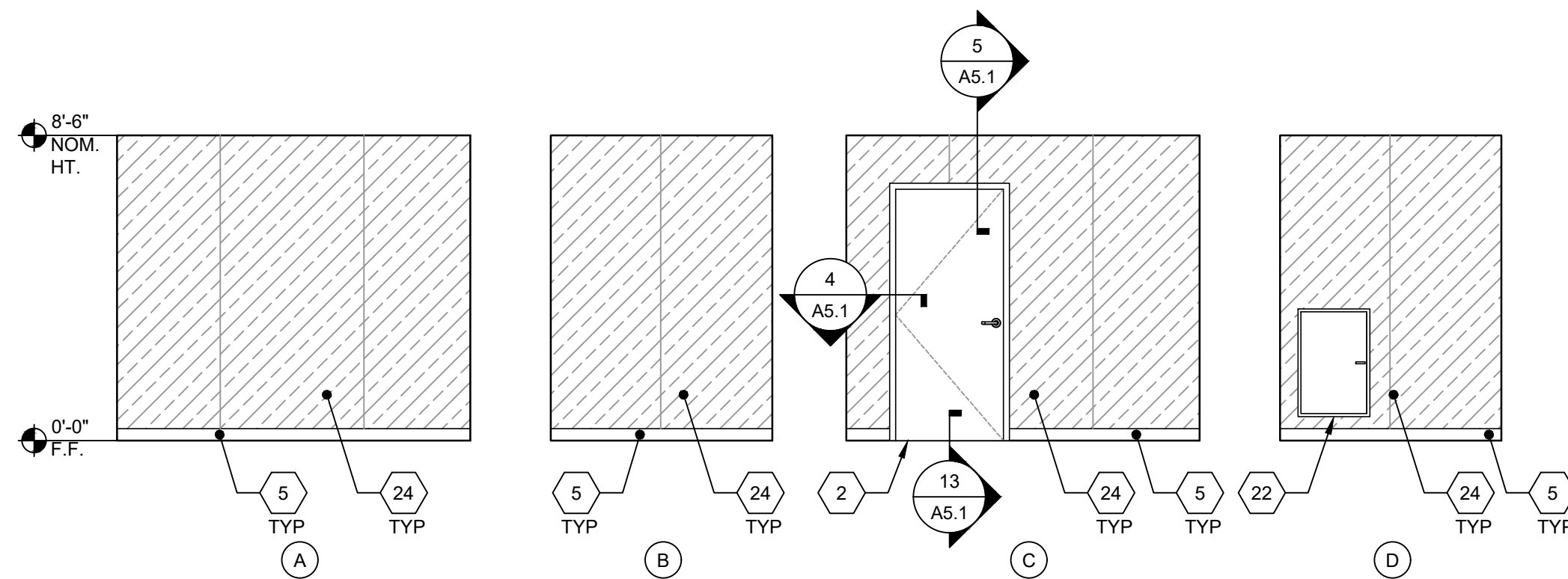
WORKROOM BACK WALL ELEVATION

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



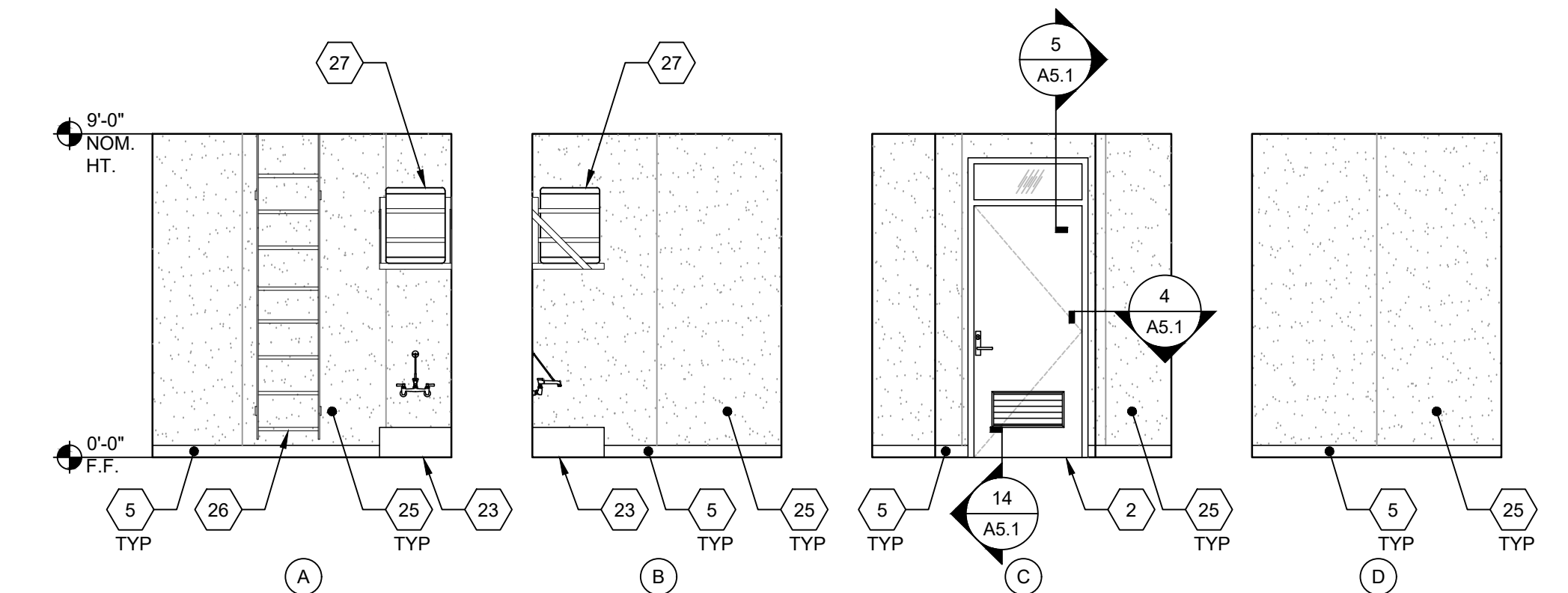
WORKROOM SIDE WALL ELEVATION

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



LOW VOLTAGE ROOM ELEVATIONS

SCALE : 1/4"=1'-0" 5



JANITOR ROOM ELEVATIONS

SCALE : 1/4"=1'-0" 7

- 1 WINDOW. SEE SCHEDULE ON SHEET N3.0 FOR DETAILS AND SPECIFICATIONS.
- 2 TYP. EXTERIOR DOOR. SEE SCHEDULE ON SHEET N3.0.
- 3 VINYL WRAPPED TACKABLE WALL PANELS. SEE FINISH SCHEDULE ON SHEET N3.0.
- 4 TYP. MOD LINE
- 5 TOP SET BASE
- 6 FULL PANEL CLOSE-UP @ MOD-LINES, TYP.
- 7 NOT USED
- 8 ELECTRICAL PANEL - SEE ELECTRICAL SHEETS
- 9 NOT USED
- 10 8'x4' MARKERBOARD
- 11 FUTURE TV (BY DISTRICT)- AMS TO PROVIDE BLOCKING
- 12 NOT USED
- 13 OCCUPANT LOAD SIGN (BY OTHERS) PER SIGNAGE DETAILS ON PAGE 11.00 OF ARCHITECTS PLANS
- 14 LIGHT SWITCH, SEE ELECTRICAL SHEETS
- 15 EXIT TACTILE SIGN AT GROUND FLOOR (NIC), PER SIGNAGE DETAIL ON PAGE 11.00 OF ARCHITECTS PLANS
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- 18 TYP. DUPLEX OUTLET, SEE ELECTRICAL SHEETS
- 19 NOT USED
- 20 CASEWORK- BLOCKING PER A7.2
- 21 CASEWORK W/ SINK- BLOCKING PER A7.2 & P1.0 FOR PLUMBING FIXTURE SCHEDULE
- 22 ACCESS PANEL
- 23 MOP SINK
- 24 PAINTED PLYWOOD
- 25 FRP
- 26 ROOF HATCH ACCESS LADDER
- 27 WATER HEATER

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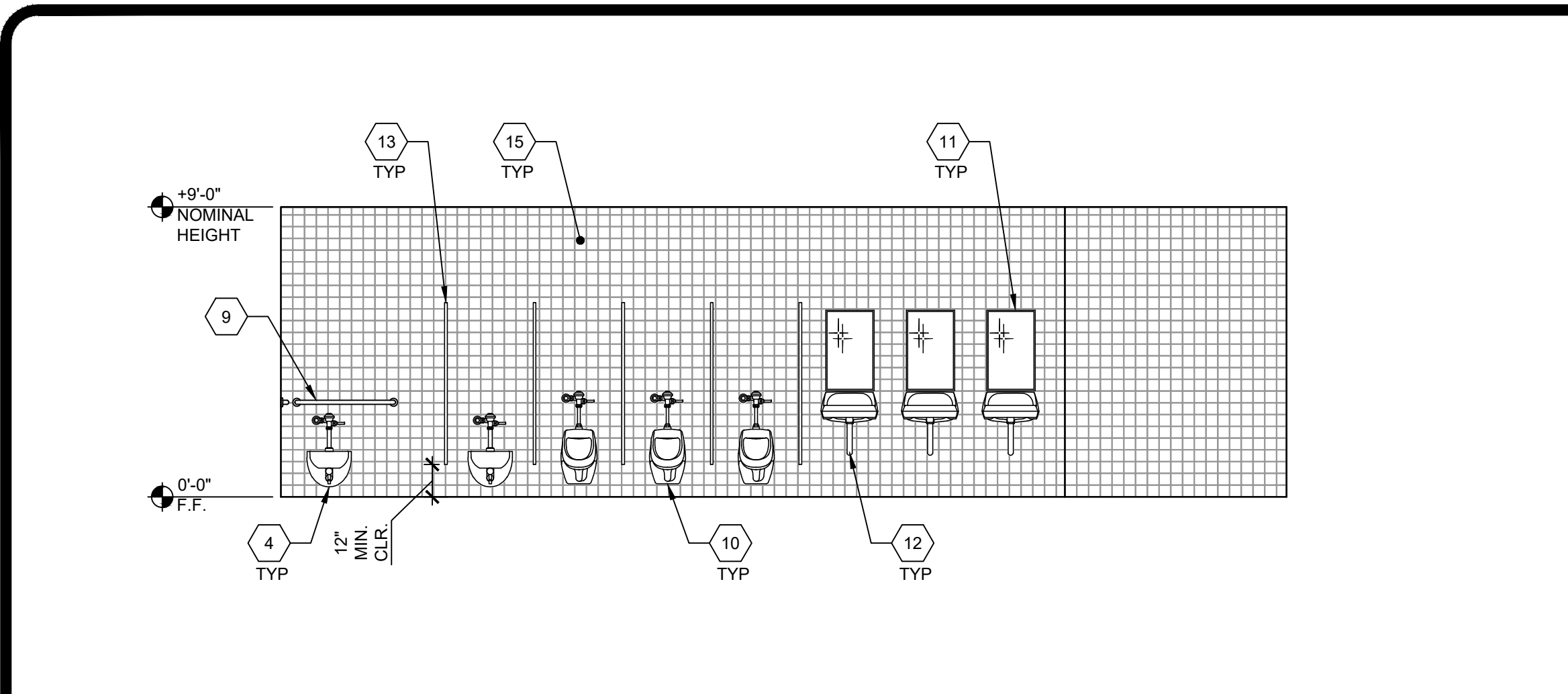
DRAWN BY: AH
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DATE: 07/05/21
PROJECT NO: 1614-20

SHEET TITLE:
INTERIOR ELEVATIONS @ TYP. CLASSROOM

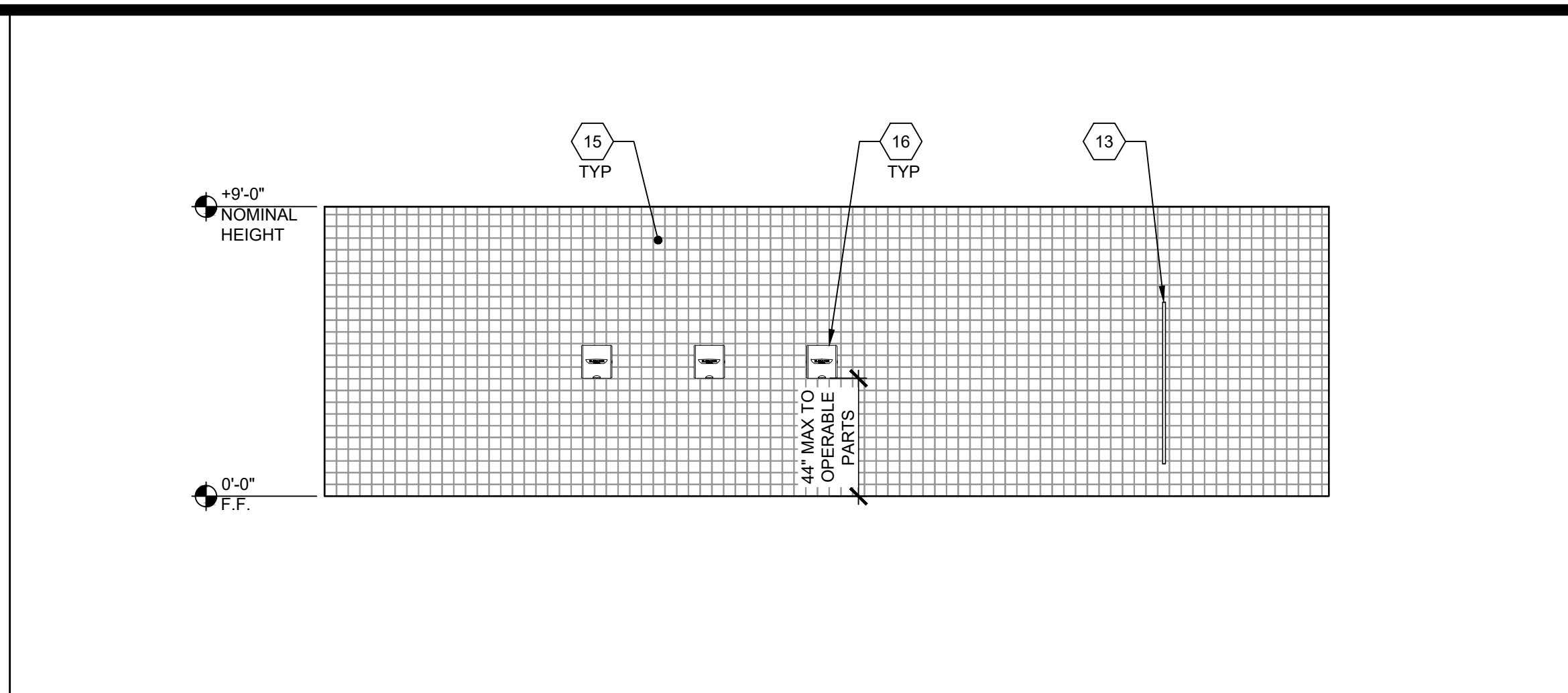
SHEET NUMBER:
A4.0B

SCALE : 1/4"=1'-0" 8

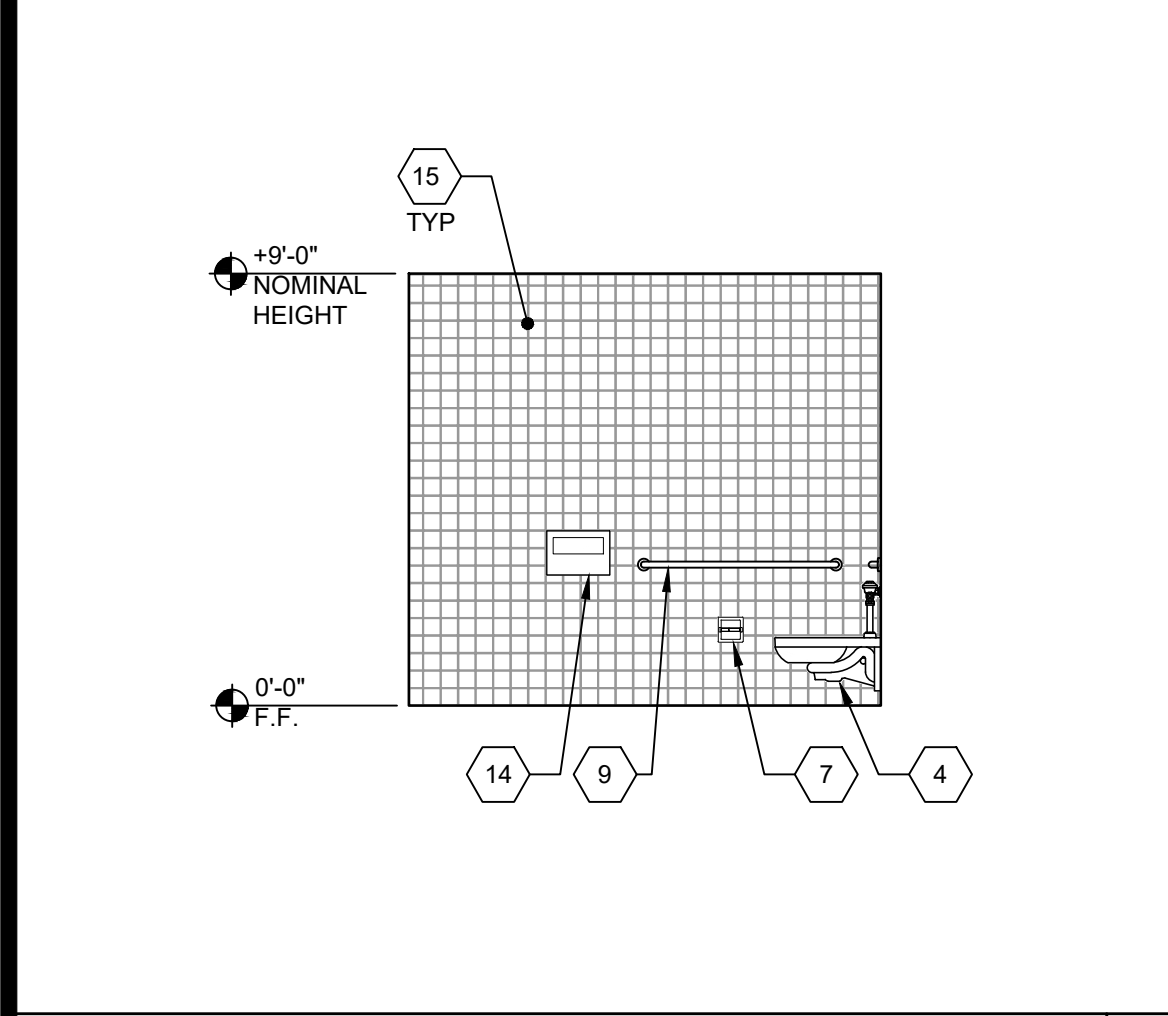
SCALE : 1/4"=1'-0" 9



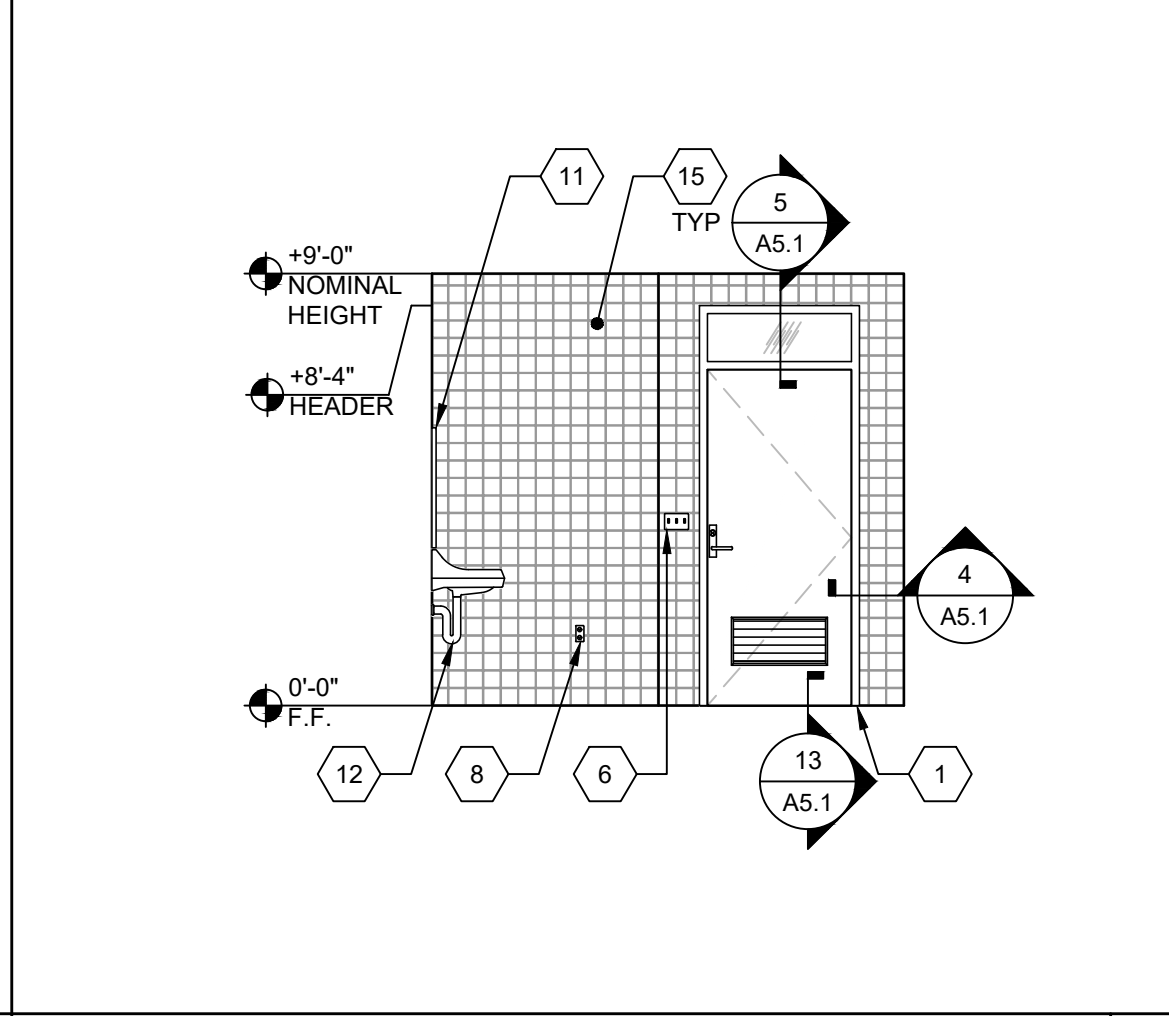
BOYS RESTROOM ELEVATION SCALE: 1/4"=1'-0" 1



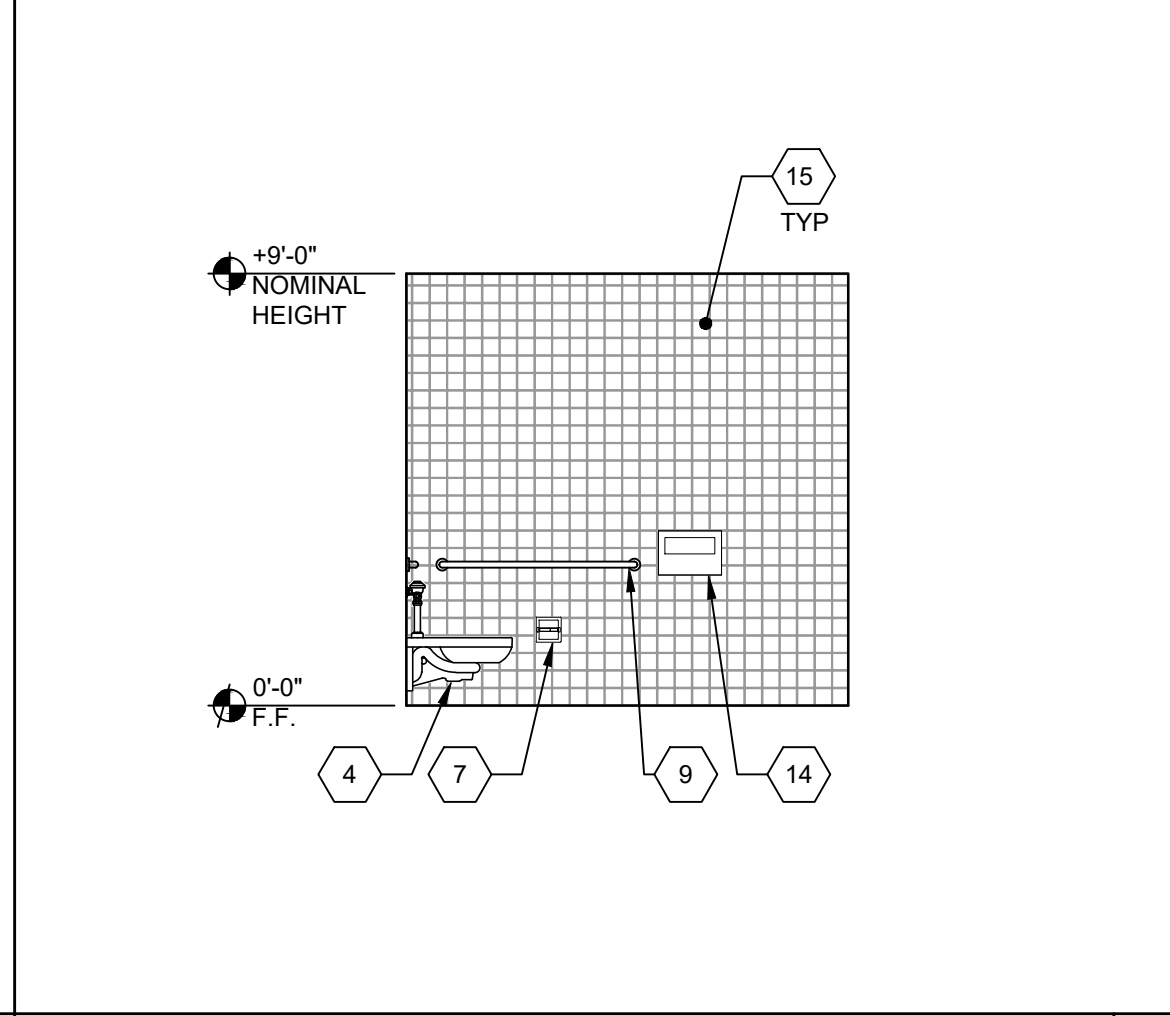
BOYS RESTROOM ELEVATION SCALE: 1/4"=1'-0" 2



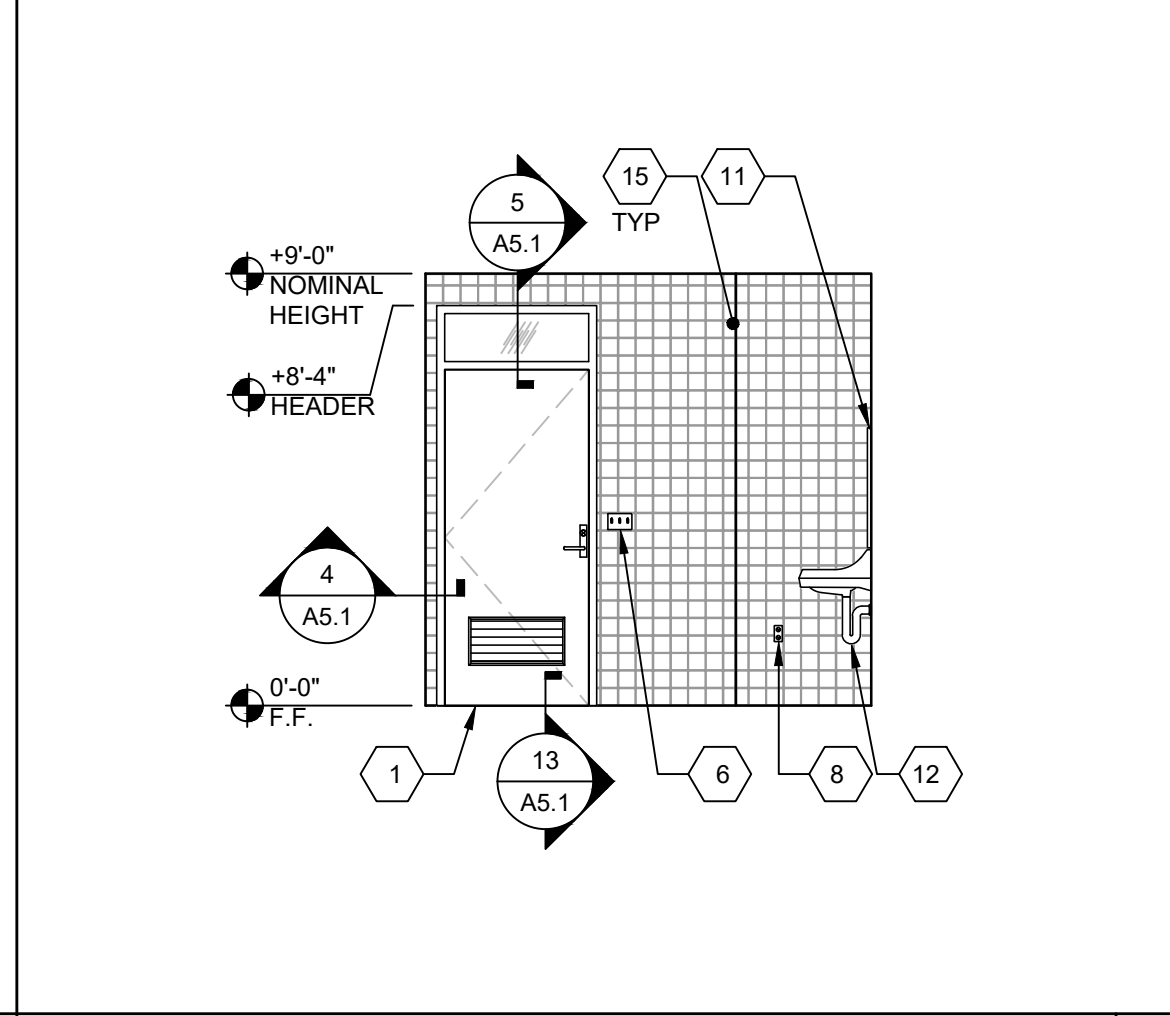
BOYS RESTROOM ELEVATION SCALE: 1/4"=1'-0" 3



BOYS RESTROOM ELEVATION SCALE: 1/4"=1'-0" 4

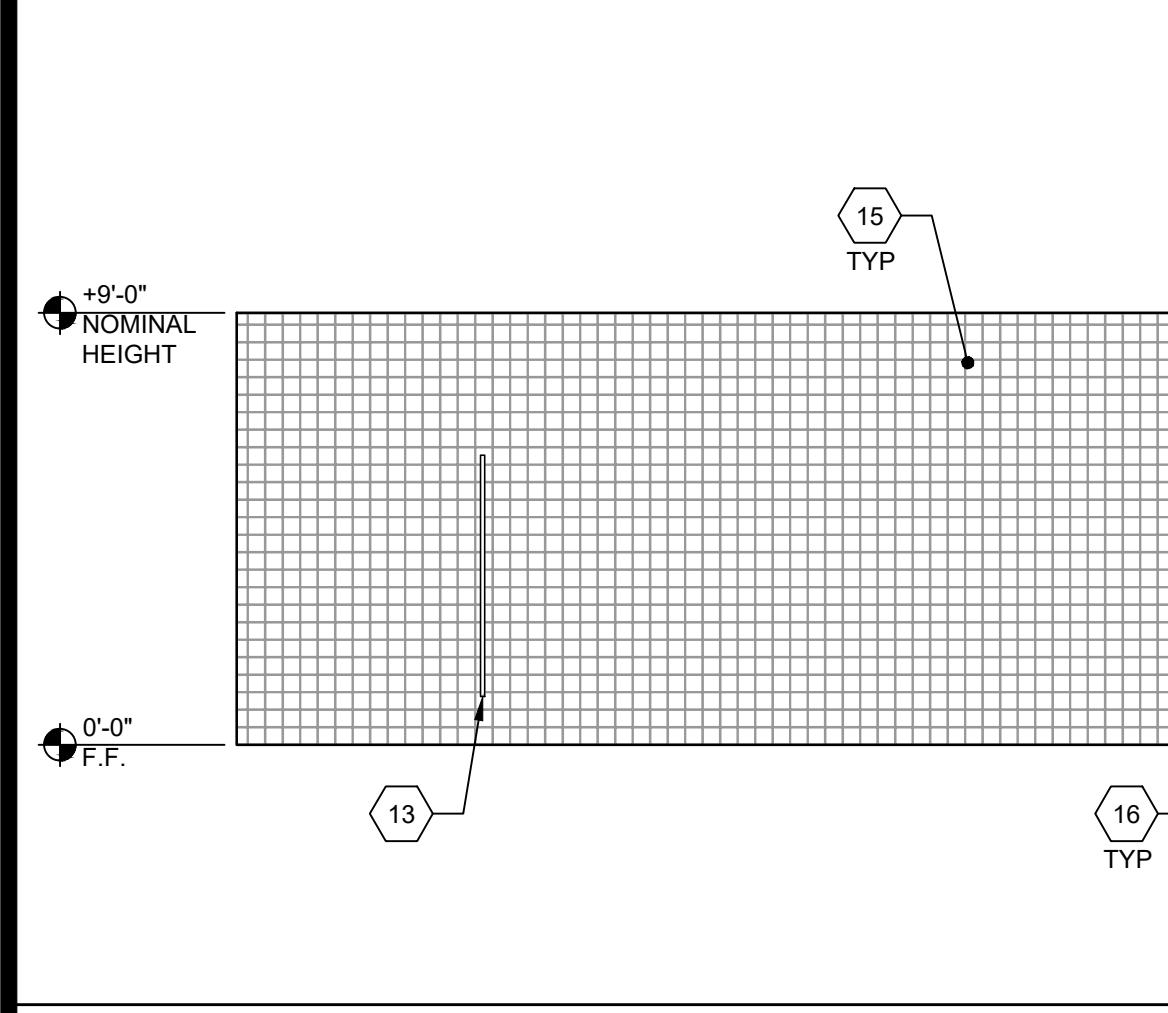


GIRLS RESTROOM ELEVATION SCALE: 1/4"=1'-0" 5

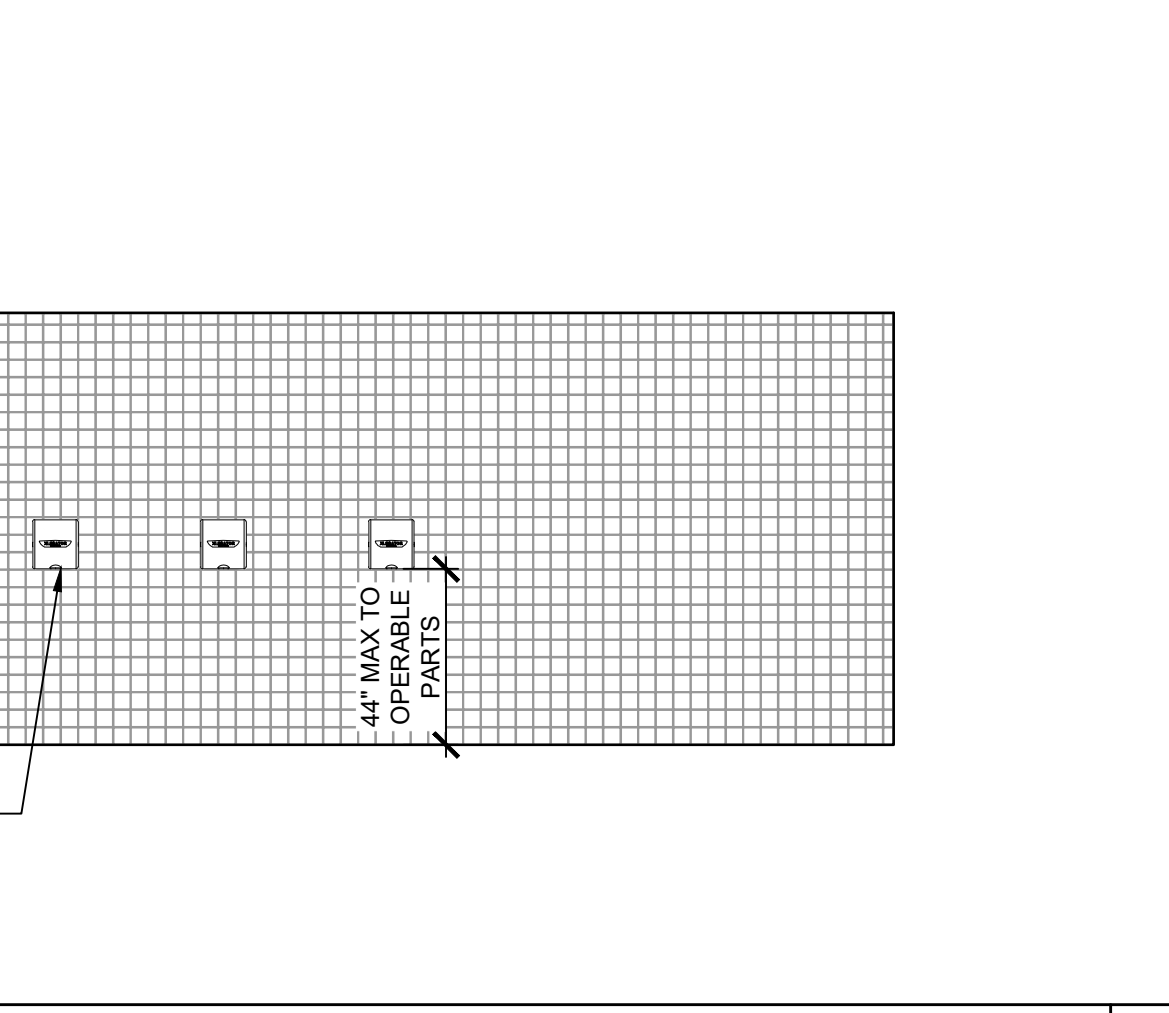


GIRLS RESTROOM ELEVATION SCALE: 1/4"=1'-0" 6

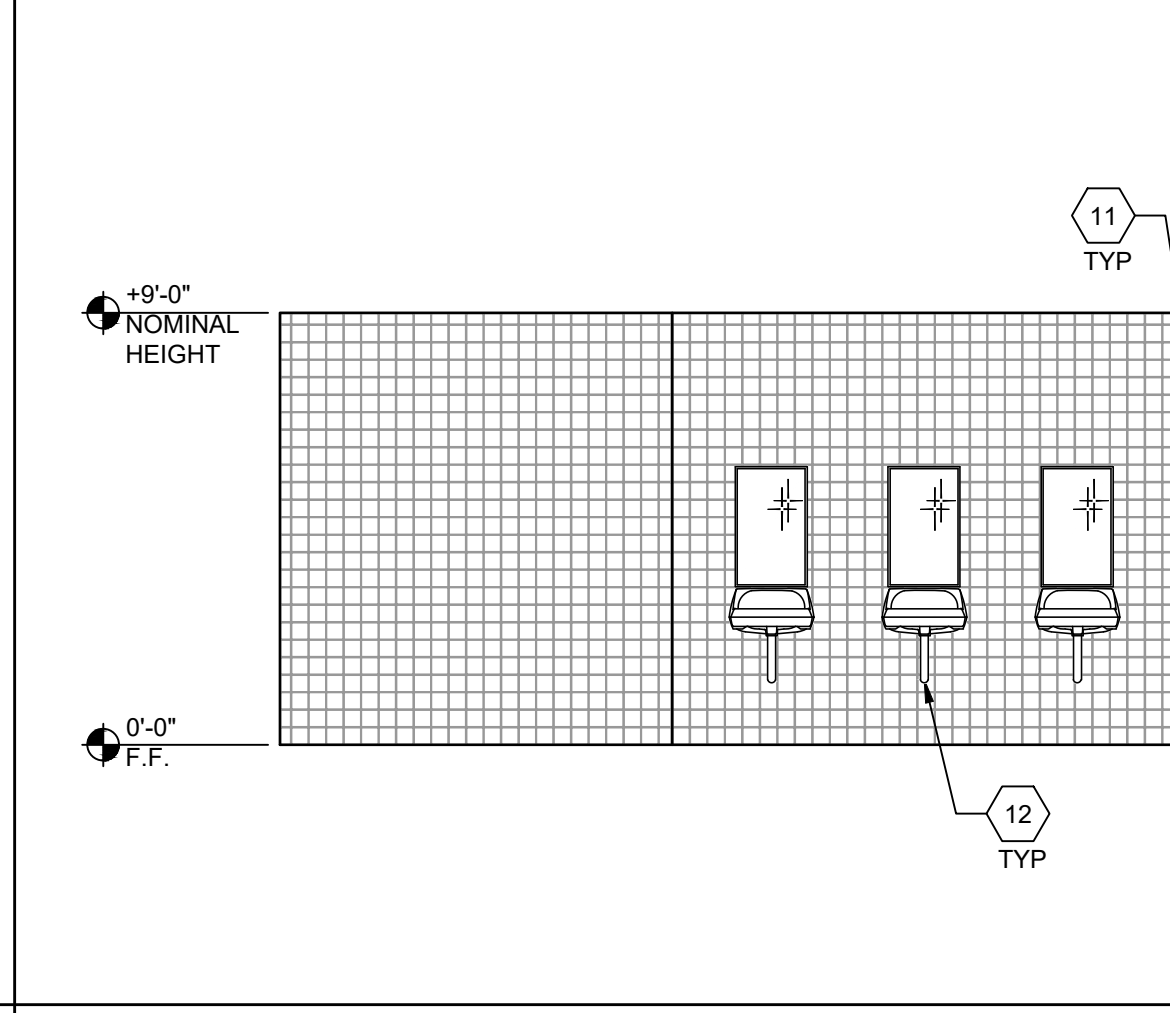
- 1 TYPICAL DOOR
- 2 NOT USED
- 3 NOT USED
- 4 ACCESSIBLE TOILET - SEE DETAIL 11/P3.0
- 5 INSTA HOT WATER HEATER
- 6 LIGHT SWITCH, SEE ELECTRICAL SHEETS
- 7 TOILET PAPER DISPENSER
- 8 TYP. GFCI OUTLET, SEE ELECTRICAL SHEETS
- 9 GRAB BAR - SEE 3/A7.2
- 10 ACCESSIBLE URINAL - SEE DETAIL 4/P3.0
- 11 TYP. MIRROR - SEE DETAIL 12/P3.0
- 12 ACCESSIBLE LAVATORY - SEE DETAIL 12/P3.0
- 13 TOILET PARTITION: SOLID PLASTIC BY ACCURATE PARTITIONS CORP. w/ FLOOR ANCHORS, OVERHEAD BRACED OR EQUIVALENT. MINIMUM FLAME SPREAD RATING: 50. MINIMUM SMOKE DEVELOPMENT RATING: 450
- 14 TOILET SEAT COVER DISPENSER (BY OTHERS)
- 15 CERAMIC TILE
- 16 HAND DRYER- XLERATOR MODEL XL- SB WITH ADA RECESSED KIT 40502- 4" MAX PROTRUSION INTO PATH OF TRAVEL



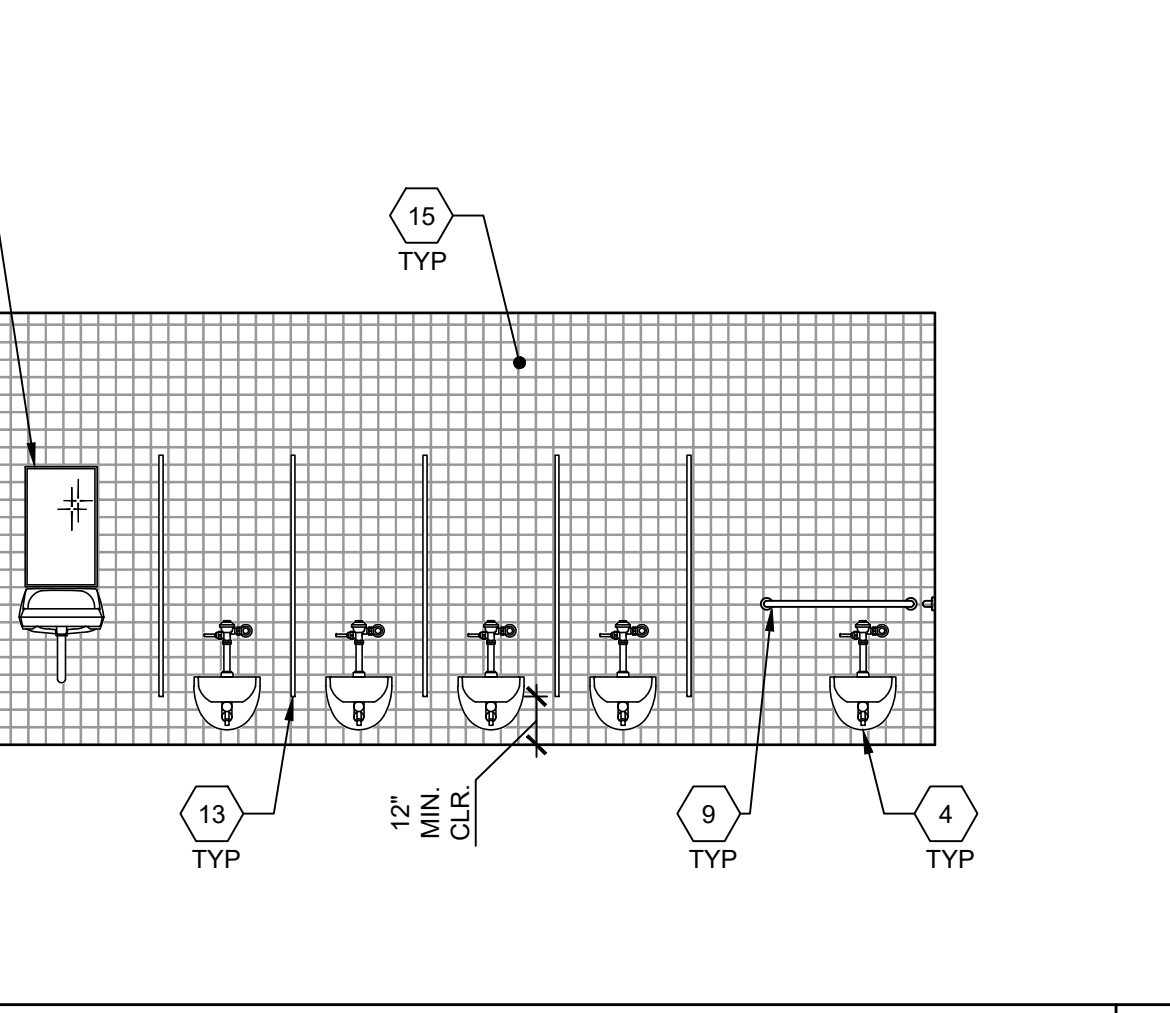
GIRLS RESTROOM ELEVATION SCALE: 1/4"=1'-0" 8



GIRLS RESTROOM ELEVATION SCALE: 1/4"=1'-0" 10



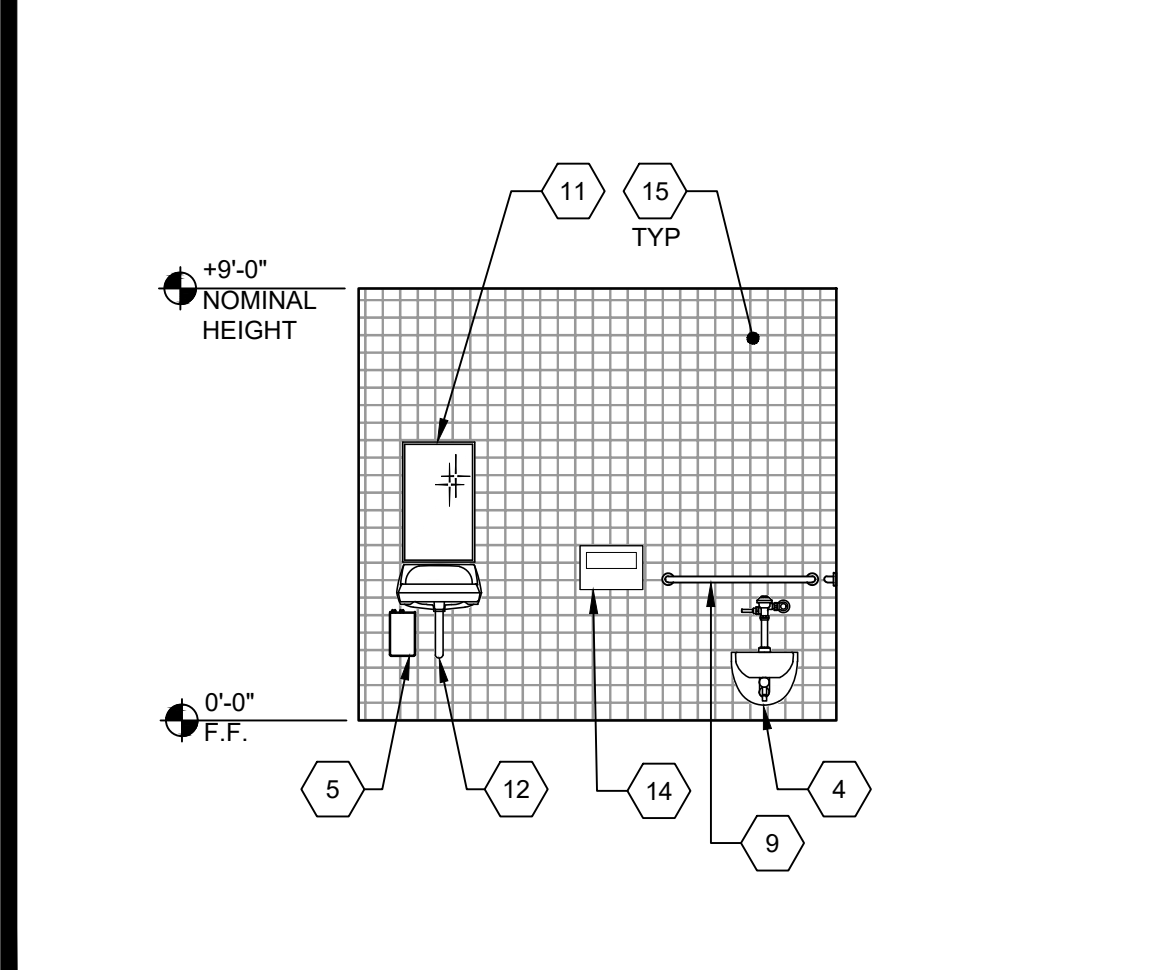
GIRLS RESTROOM ELEVATION SCALE: 1/4"=1'-0" 12



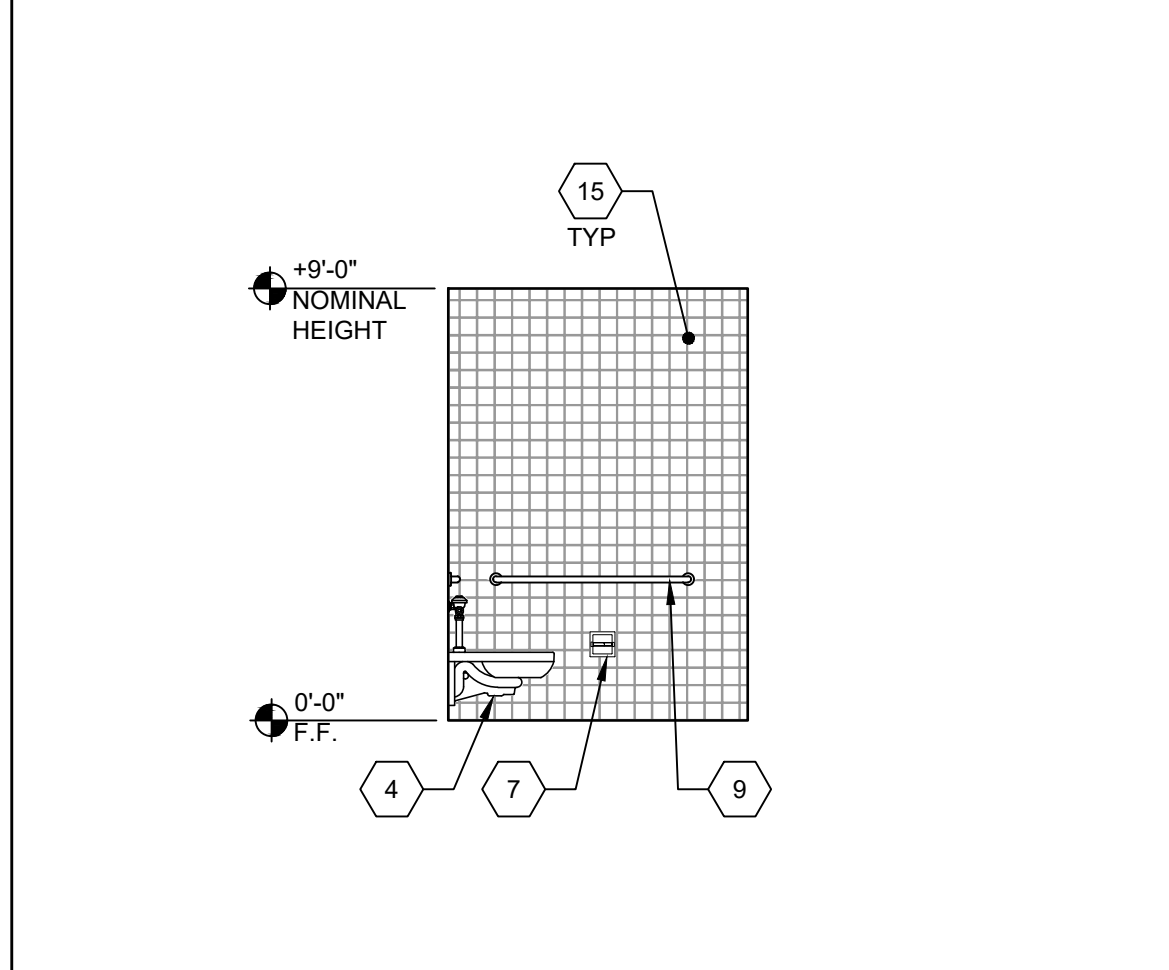
GIRLS RESTROOM ELEVATION SCALE: 1/4"=1'-0" 14

NOTE: FOR ACCESSIBLE FIXTURES & ACCESSORIES MOUNTING HEIGHT REQUIREMENTS (PER CBC CHAPTER 11B), SEE SHEET P3.0, DETAIL 7.

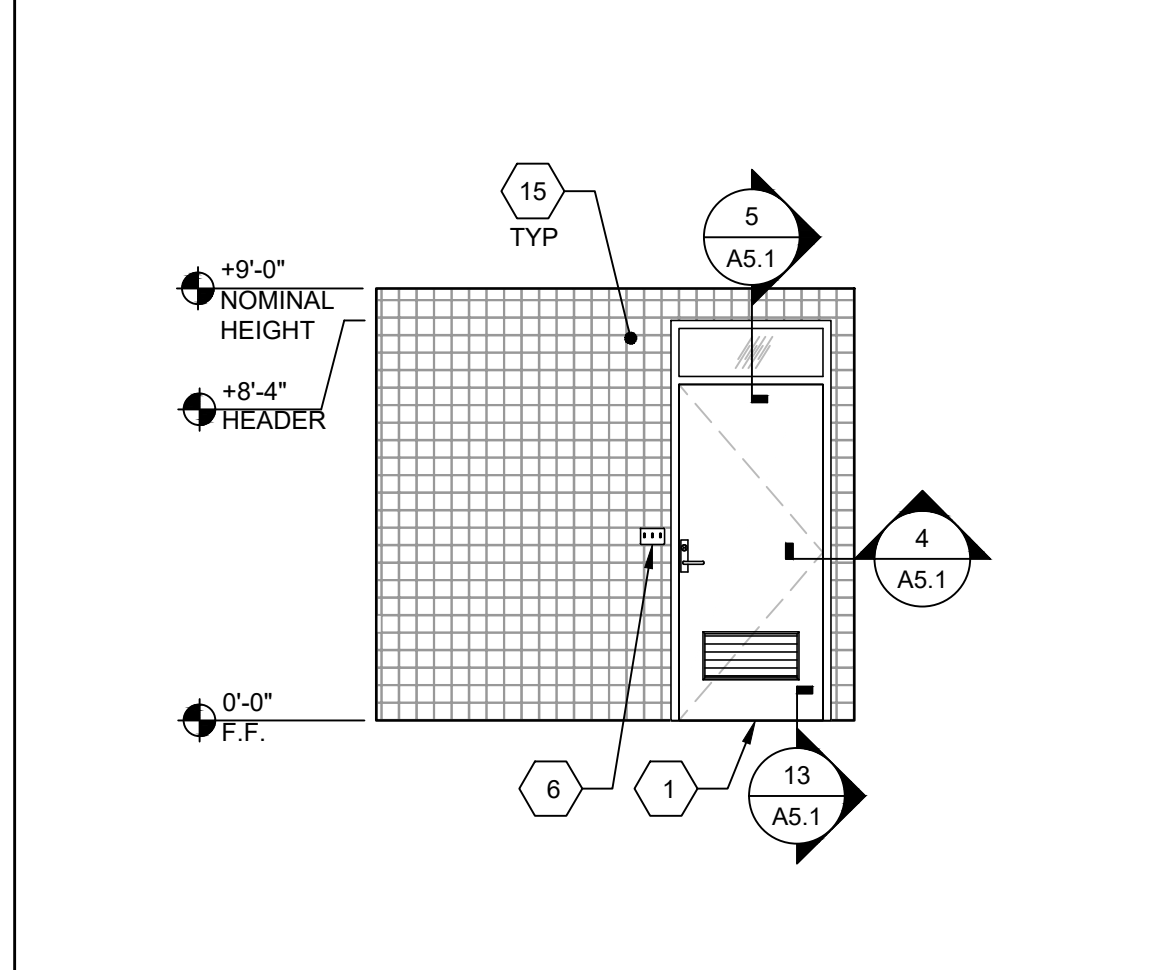
KEY NOTES



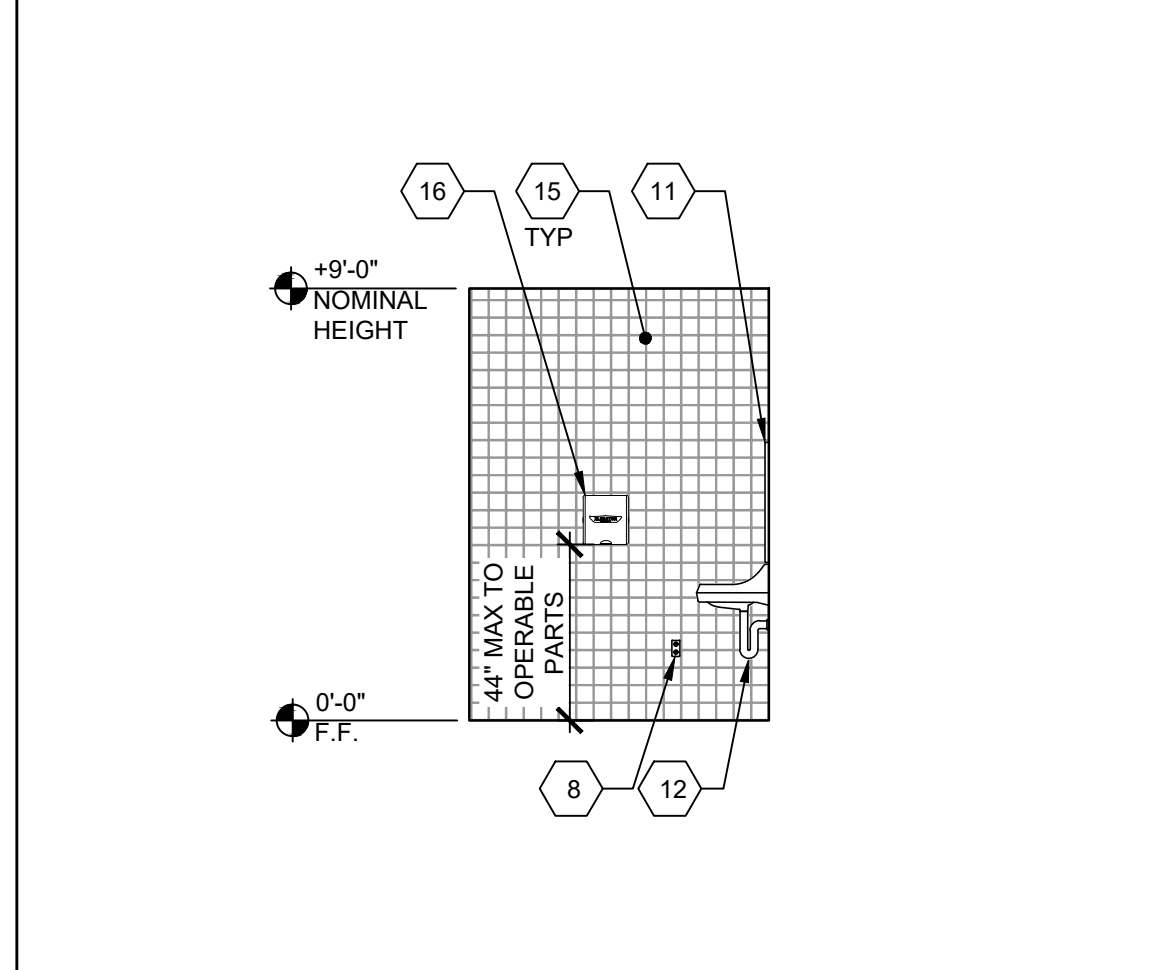
STAFF RESTROOM ELEVATION SCALE: 1/4"=1'-0" 12



STAFF RESTROOM ELEVATION SCALE: 1/4"=1'-0" 13



STAFF RESTROOM ELEVATION SCALE: 1/4"=1'-0" 14



STAFF RESTROOM ELEVATION SCALE: 1/4"=1'-0" 15

NOT USED SCALE: 1/4"=1'-0" 11

NOT USED SCALE: 1/4"=1'-0" 15

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SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

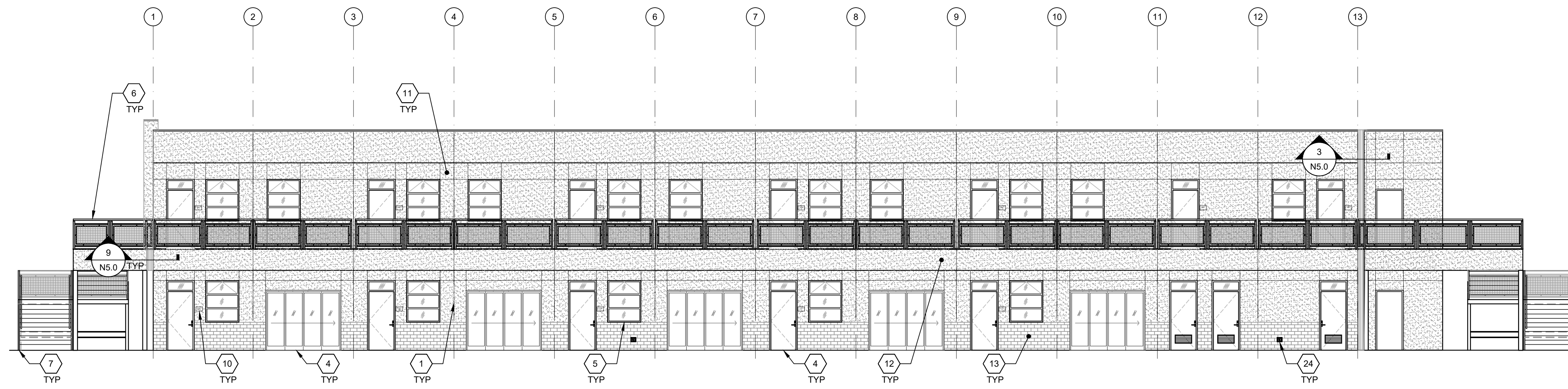
MANUFACTURER PROFESSIONAL OF RECORD ON PC

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REVISIONS

DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE:
INTERIOR ELEVATIONS RESTROOMS
SHEET NUMBER:
A4.1

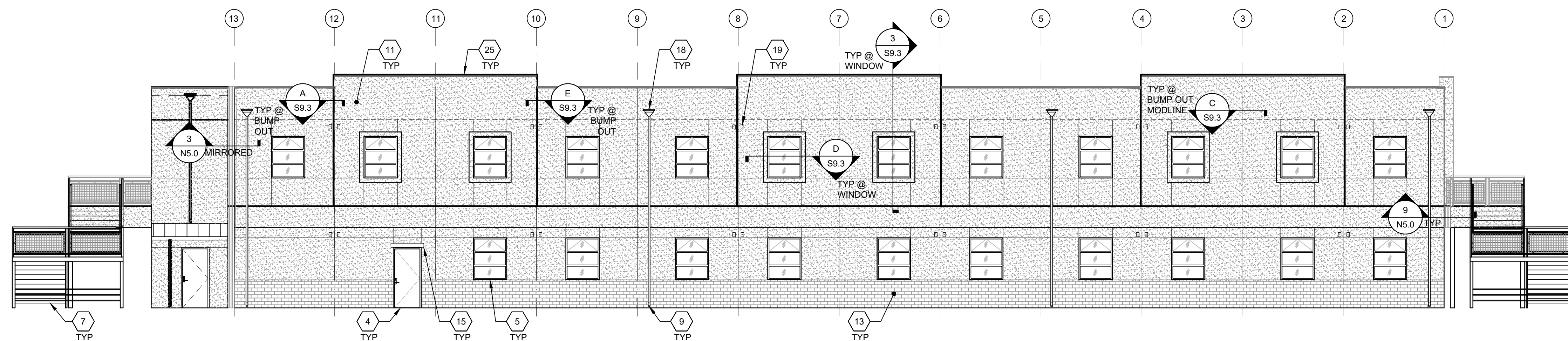
03/03/2023 10:46:46 AM C:\Users\ahughes\OneDrive\Documents\1614-20\1614-20-INT-RESTROOMS\1614-20-INT-RESTROOMS.dwg (1614-20-INT-RESTROOMS.dwg) PLOT: 03/03/23 10:46:46 AM



EXTERIOR ELEVATION - FRONT

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

1



EXTERIOR ELEVATION - REAR

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

2

KEYNOTES

- 1 CONTROL JOINT (LOCATION MAY VARY)
- 2 NOT USED
- 3 OVERHANG - SEE ROOF PLAN, STRUCTURAL
- 4 TYP. EXTERIOR DOOR - SEE SCHEDULE ON SHEET N4.0
- 5 WINDOW - SEE SCHEDULE ON SHEET N4.0
- 6 GUARDRAIL & RAILING - SEE STRUCTURAL SHEET S11.2
- 7 STAIRS WHERE OCCURS - SEE FLOOR PLANS AND STRUCTURAL SHEET S11.0
- 8 NOT USED
- 9 DOWNSPOUT - SEE DETAIL 10 & 15/A5.1
- 10 ROOM ID AND ISA SIGNAGE (BY OTHERS) SEE DETAILS 5 & 9/N4.0 - TYP.
- 11 STUCCO FINISH
- 12 BALCONY WALKWAY PER SHEET S10.0
- 13 ADHERED THIN BRICK VENEER
- 14 EXTERIOR LIGHT - SEE ELECTRICAL PLANS
- 15 DOOR HOOD PER 20/A5.1
- 16 NOT USED
- 17 NOT USED
- 18 SCUPPER - SEE DETAIL 6/A2.
- 19 MODULAR IDENTIFICATION TAG @ +90° A.F.F.
- 20 NOT USED
- 21 PARAPET
- 22 ROOF LINE
- 23 PROVIDE CANE DETECTABLE RAILING WHERE VERTICAL CLEARANCE IS LESS THAN 80" (PER C.B.C. SECTION 11B-307.4) - SEE SHEET S11.0
- 24 HOSE BIBB - SEE 1/P1.0
- 25 BUMP OUT WALLS

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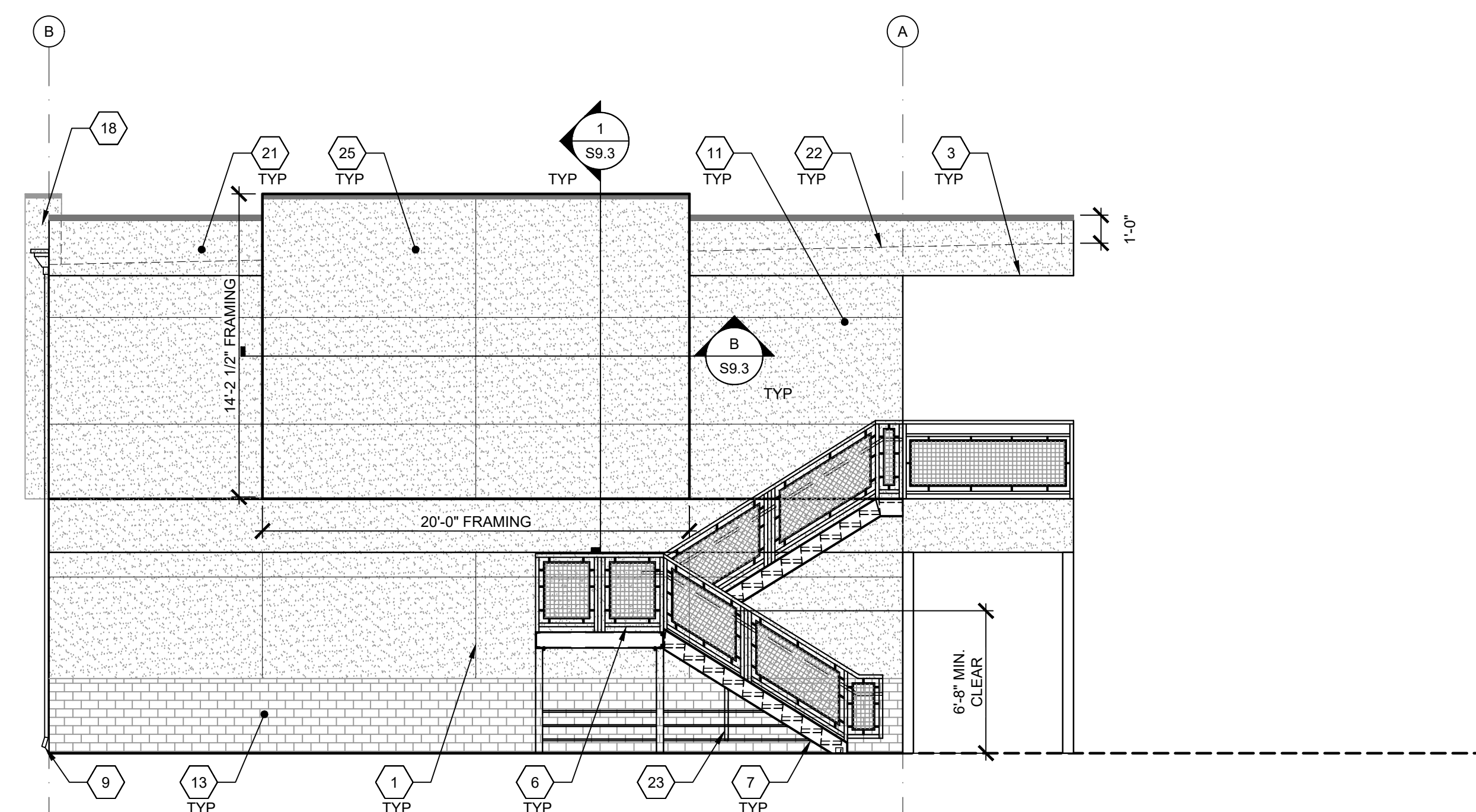
REVISIONS

DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE:

EXTERIOR ELEVATIONS

SHEET NUMBER:

A5.0



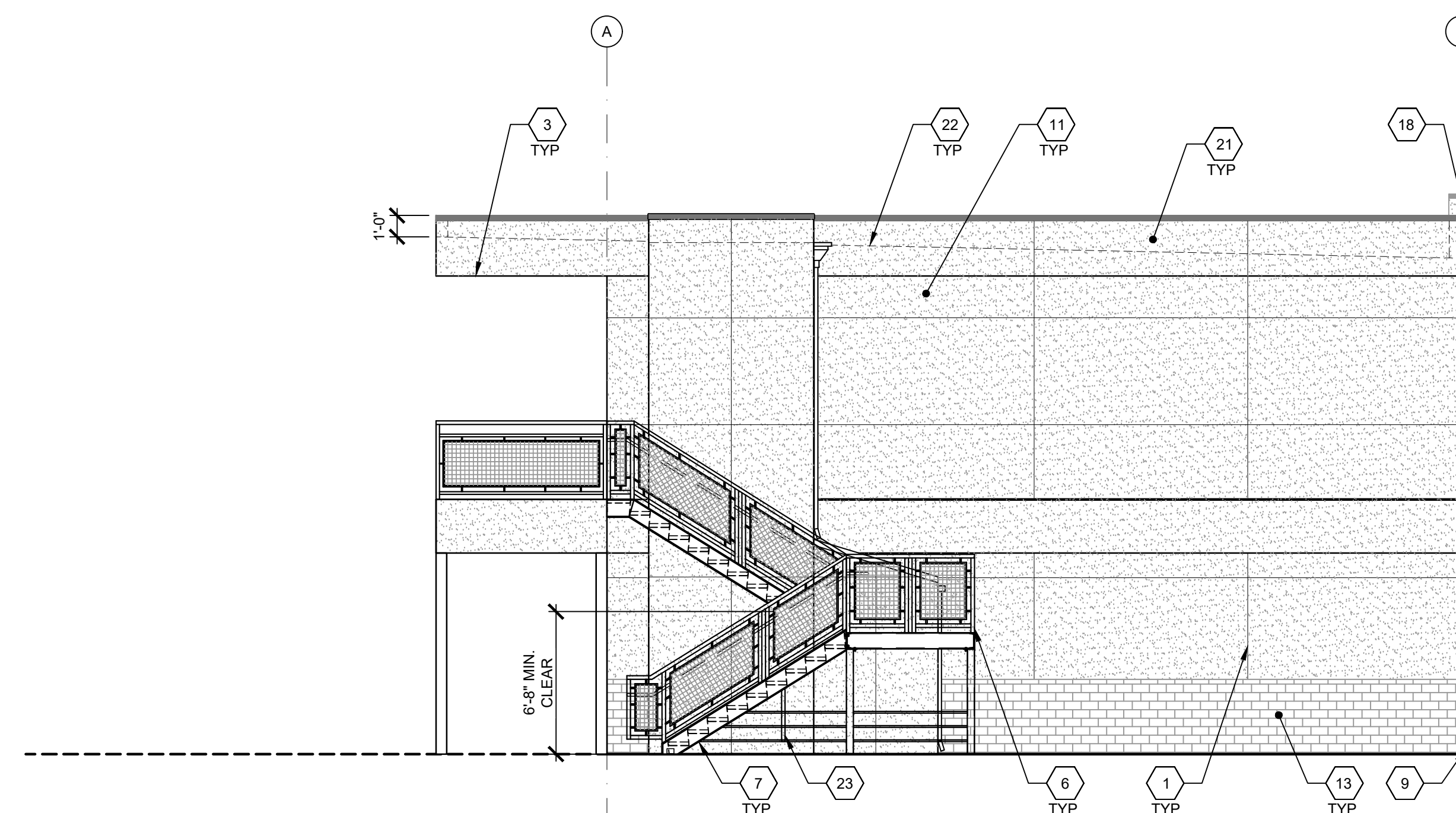
EXTERIOR ELEVATION - LEFT

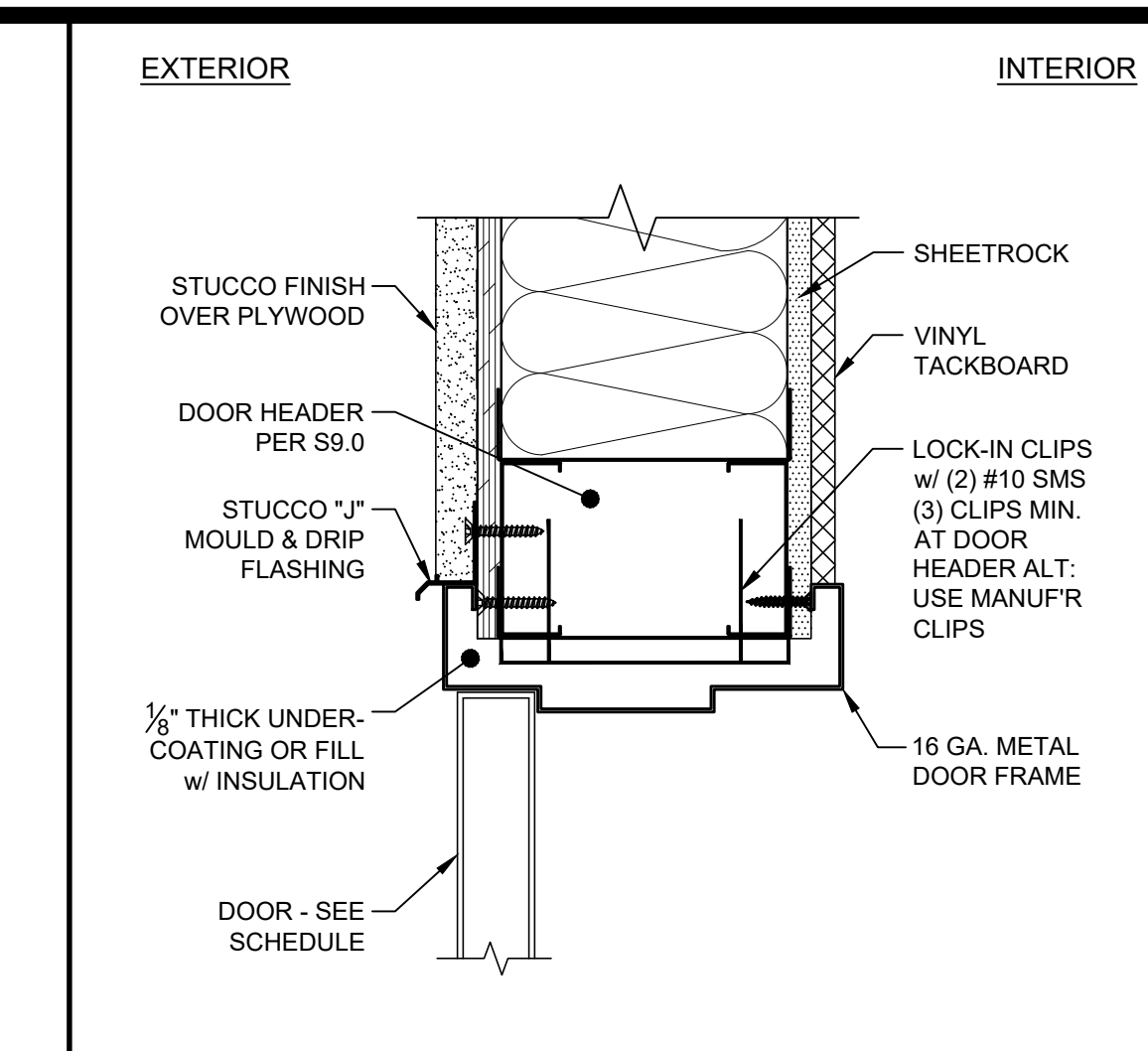
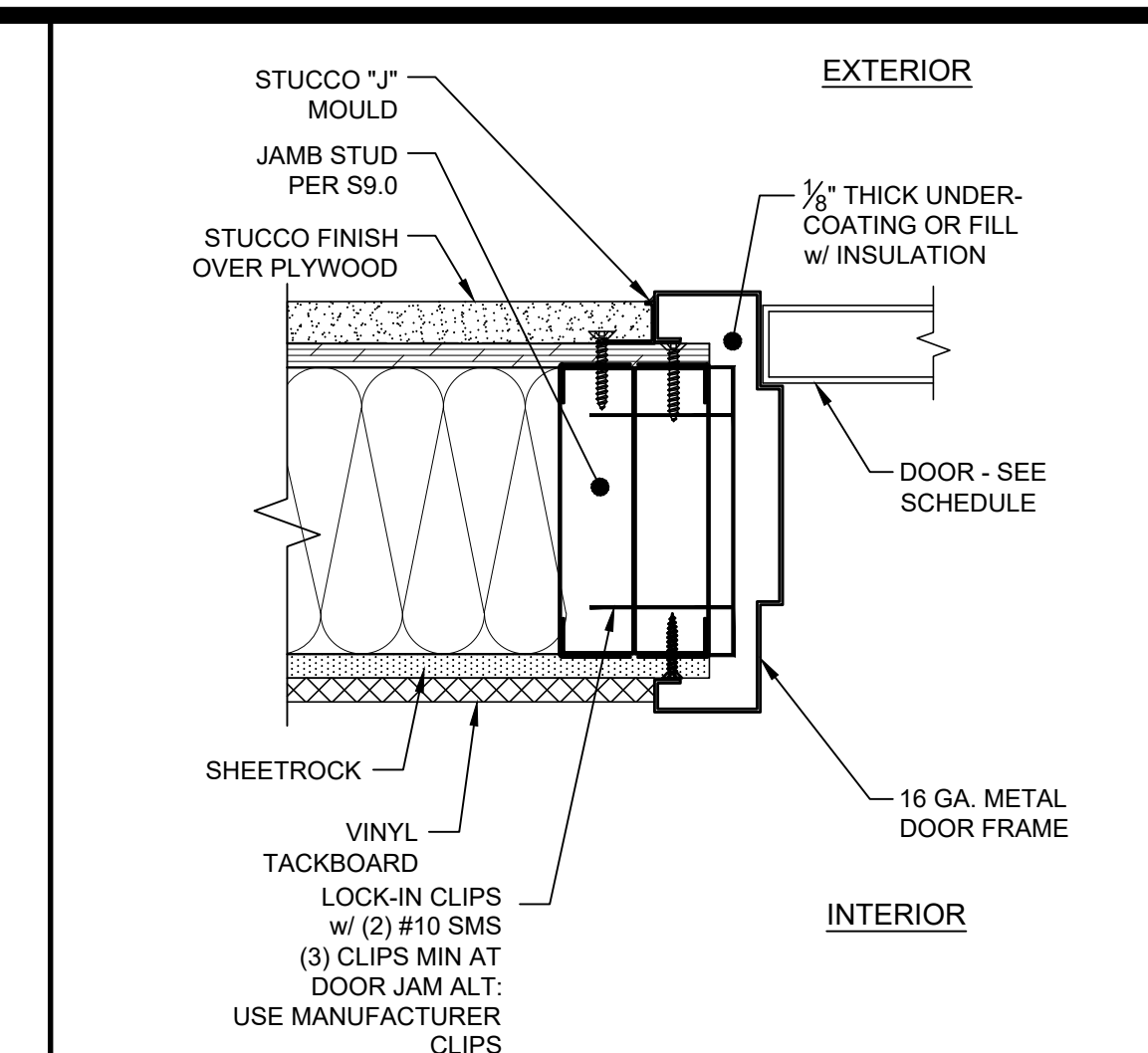
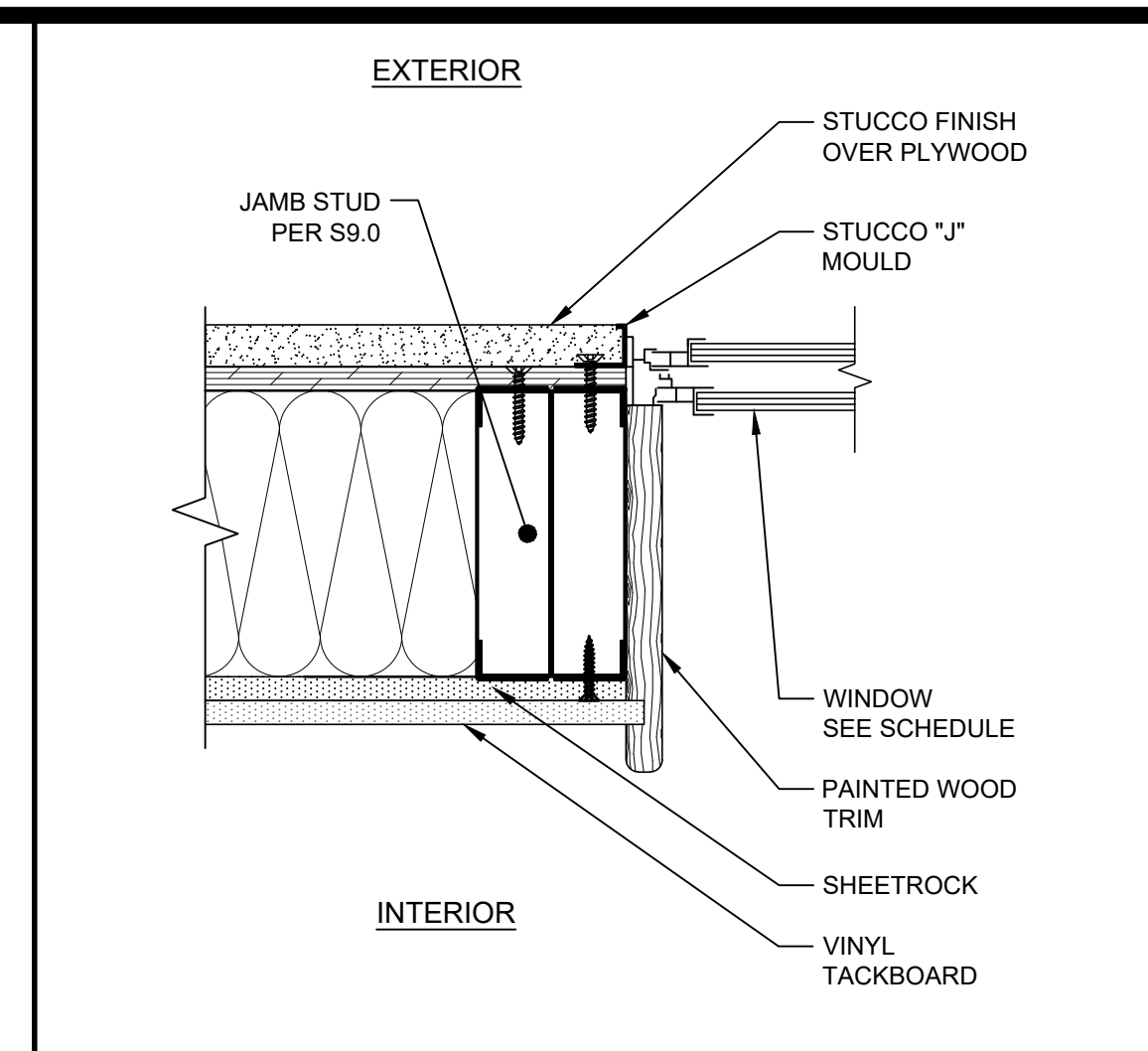
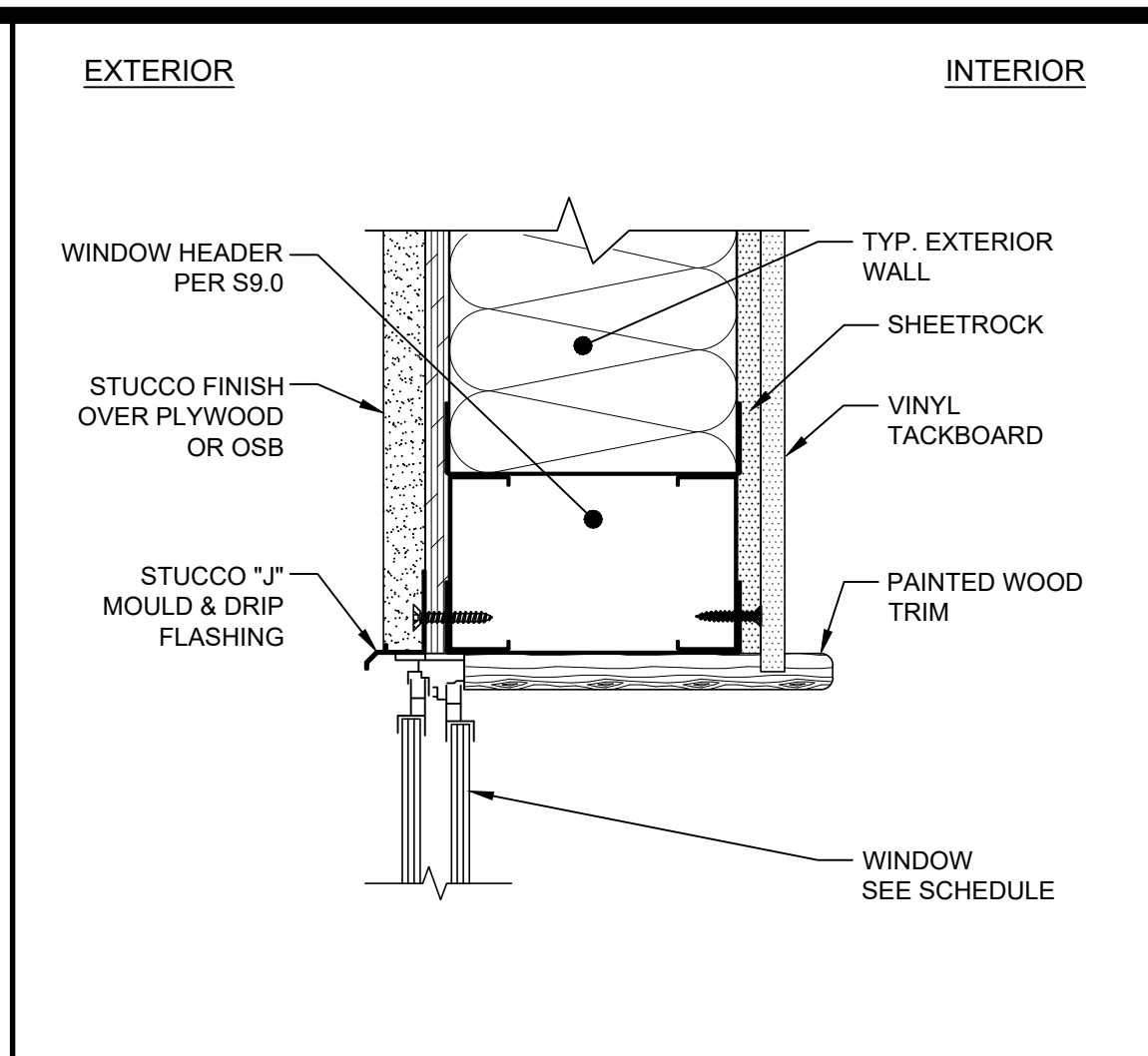
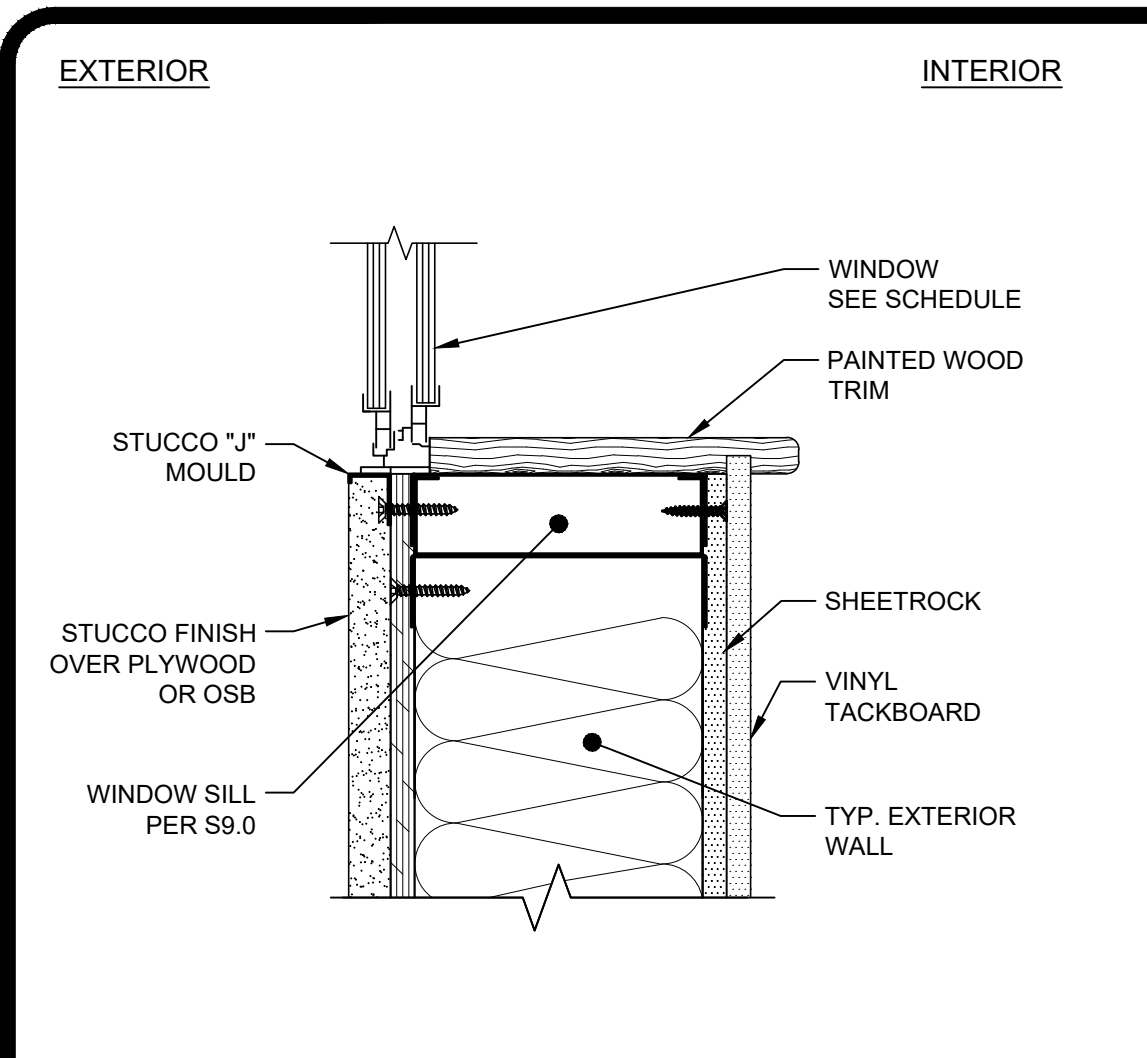
SCALE: 3/16" = 1'-0"

EXTERIOR ELEVATION - RIGHT

SCALE: 3/16" = 1'-0"

4





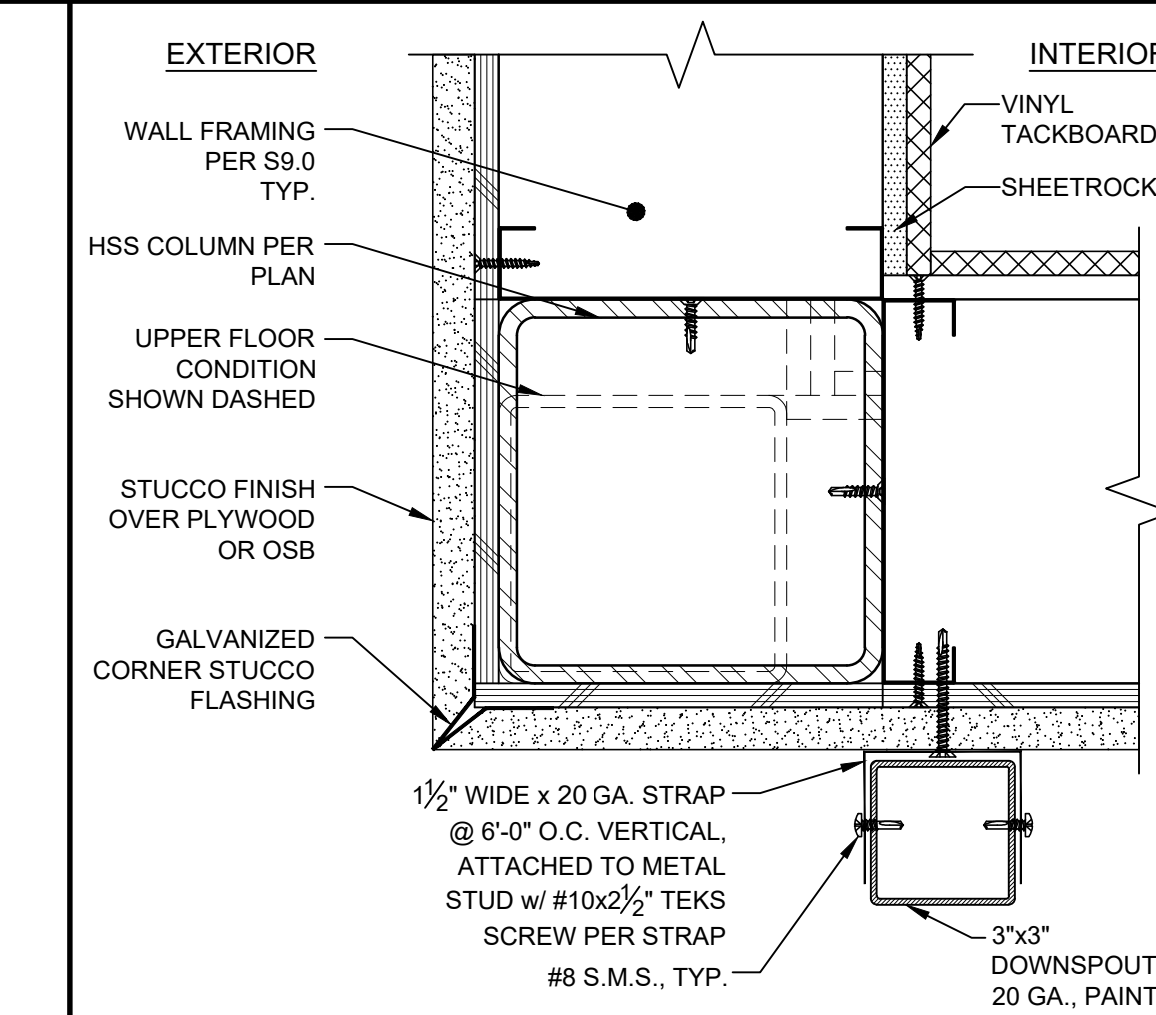
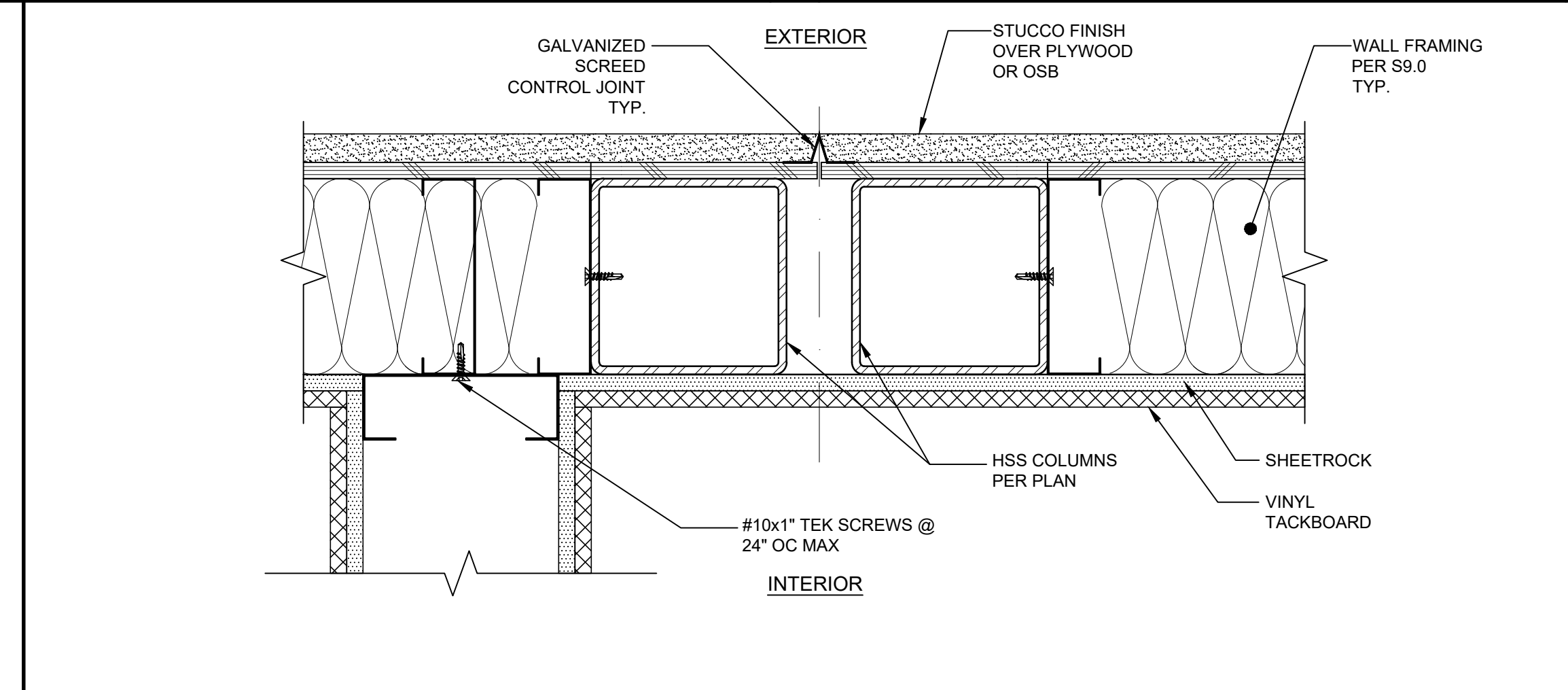
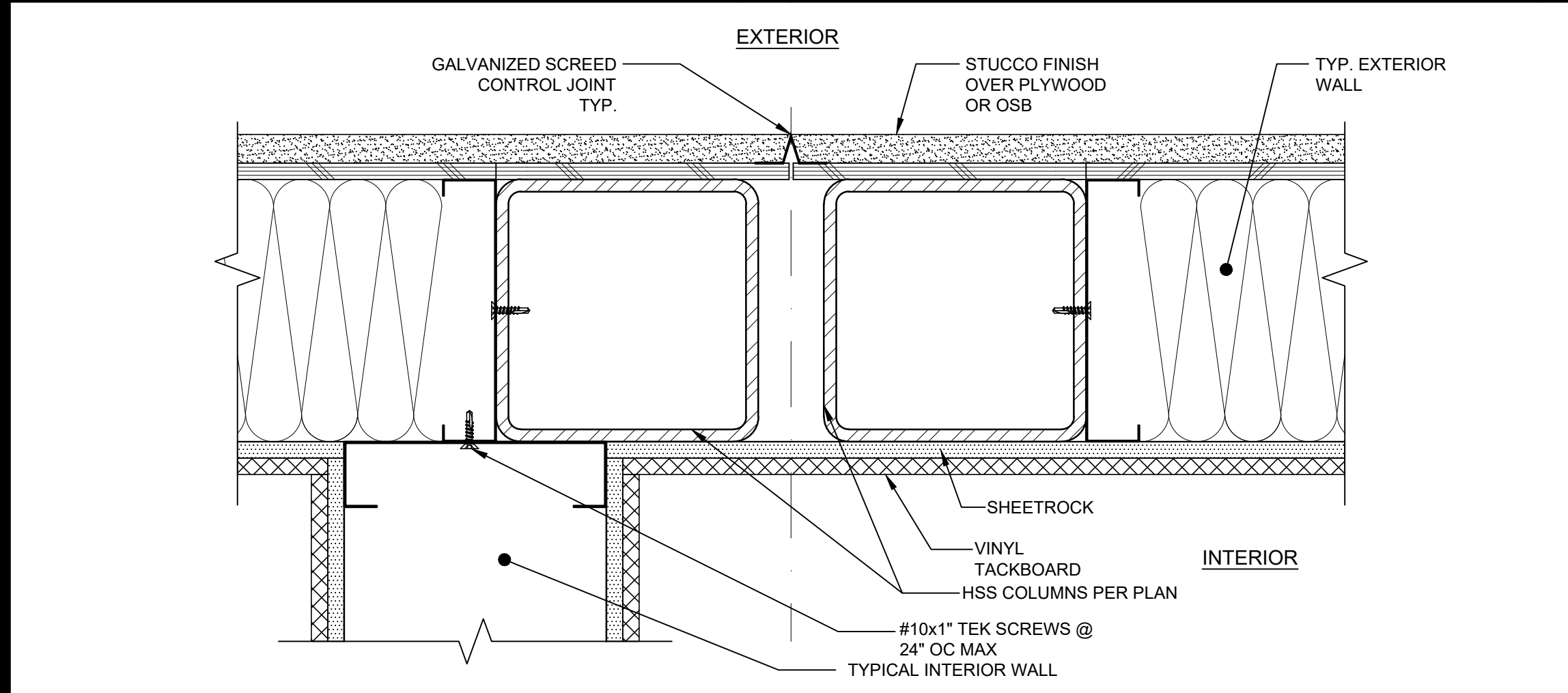
TYPICAL WINDOW SILL SCALE: 3" = 1'-0" 1

TYPICAL WINDOW HEADER SCALE: 3" = 1'-0" 2

TYPICAL WINDOW JAMB SCALE: 3" = 1'-0" 3

TYPICAL DOOR JAMB SCALE: 3" = 1'-0" 4

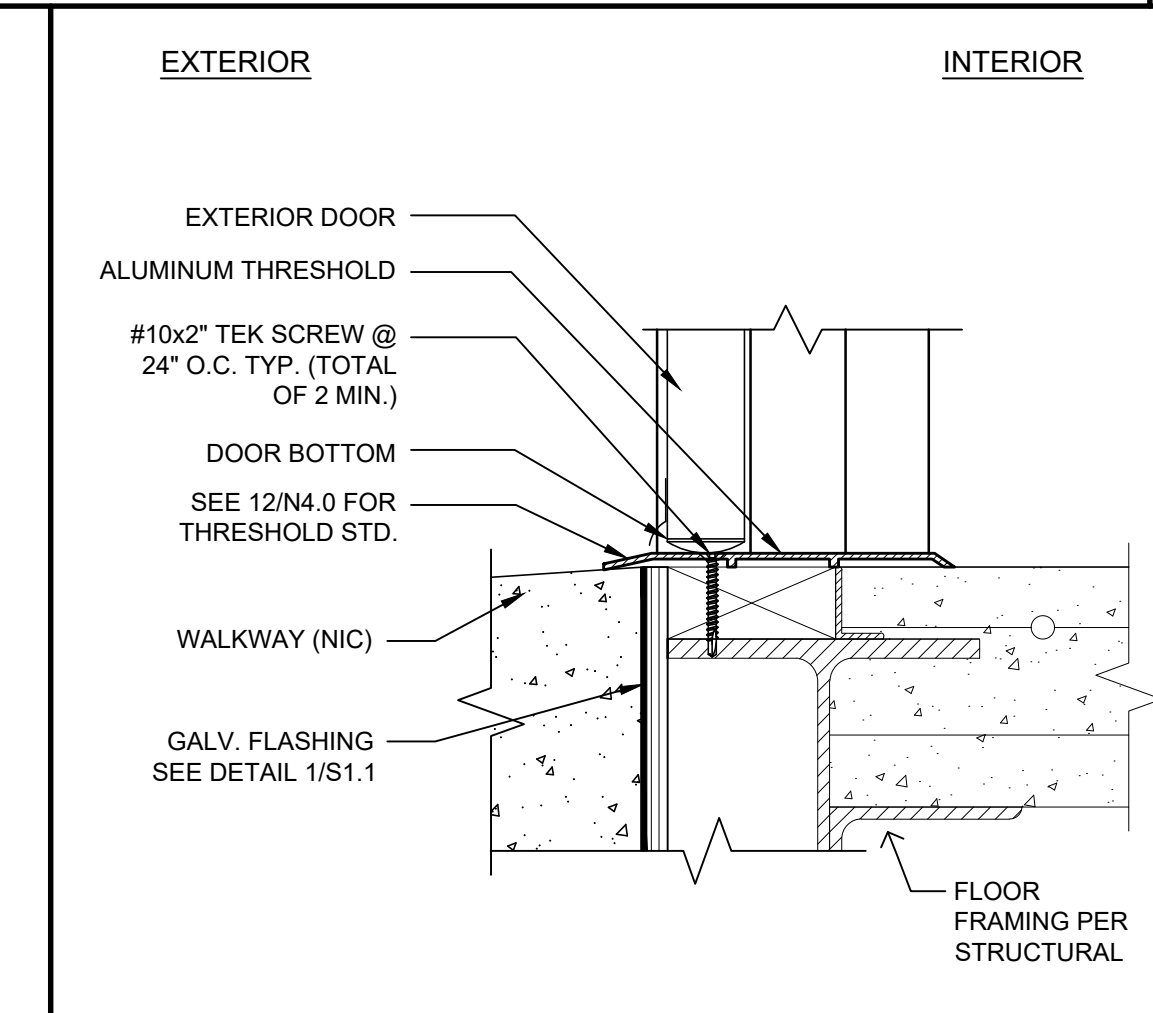
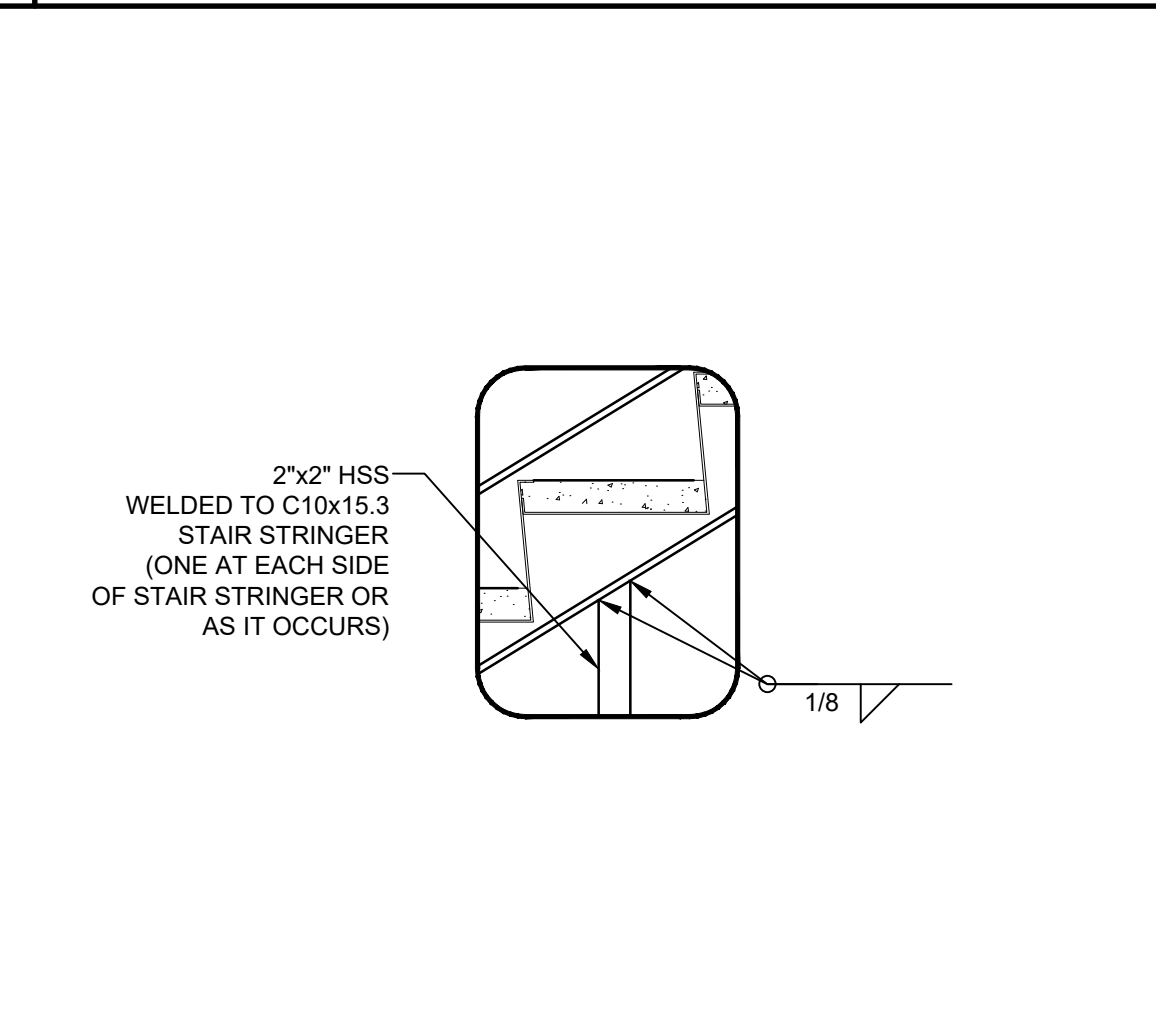
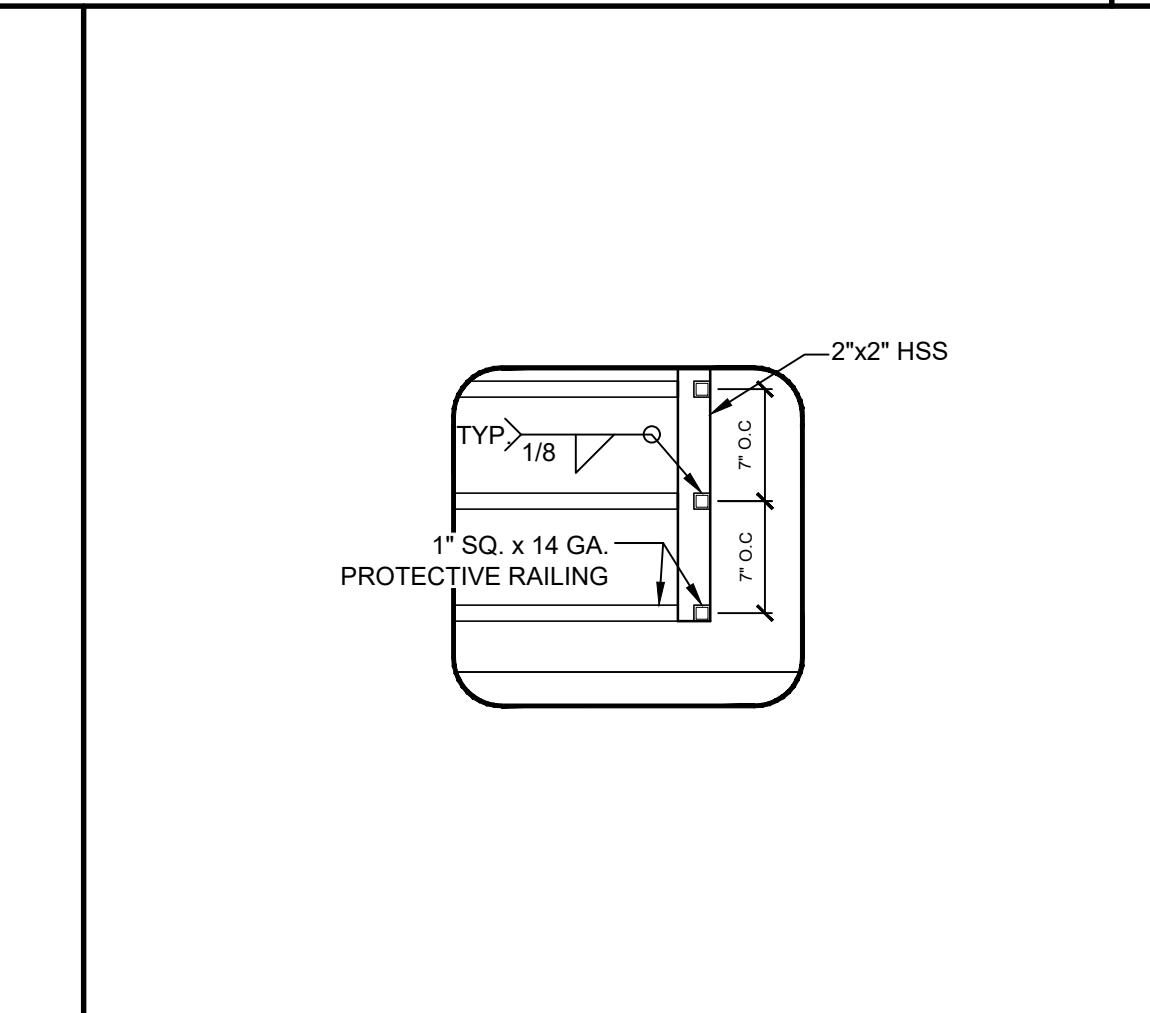
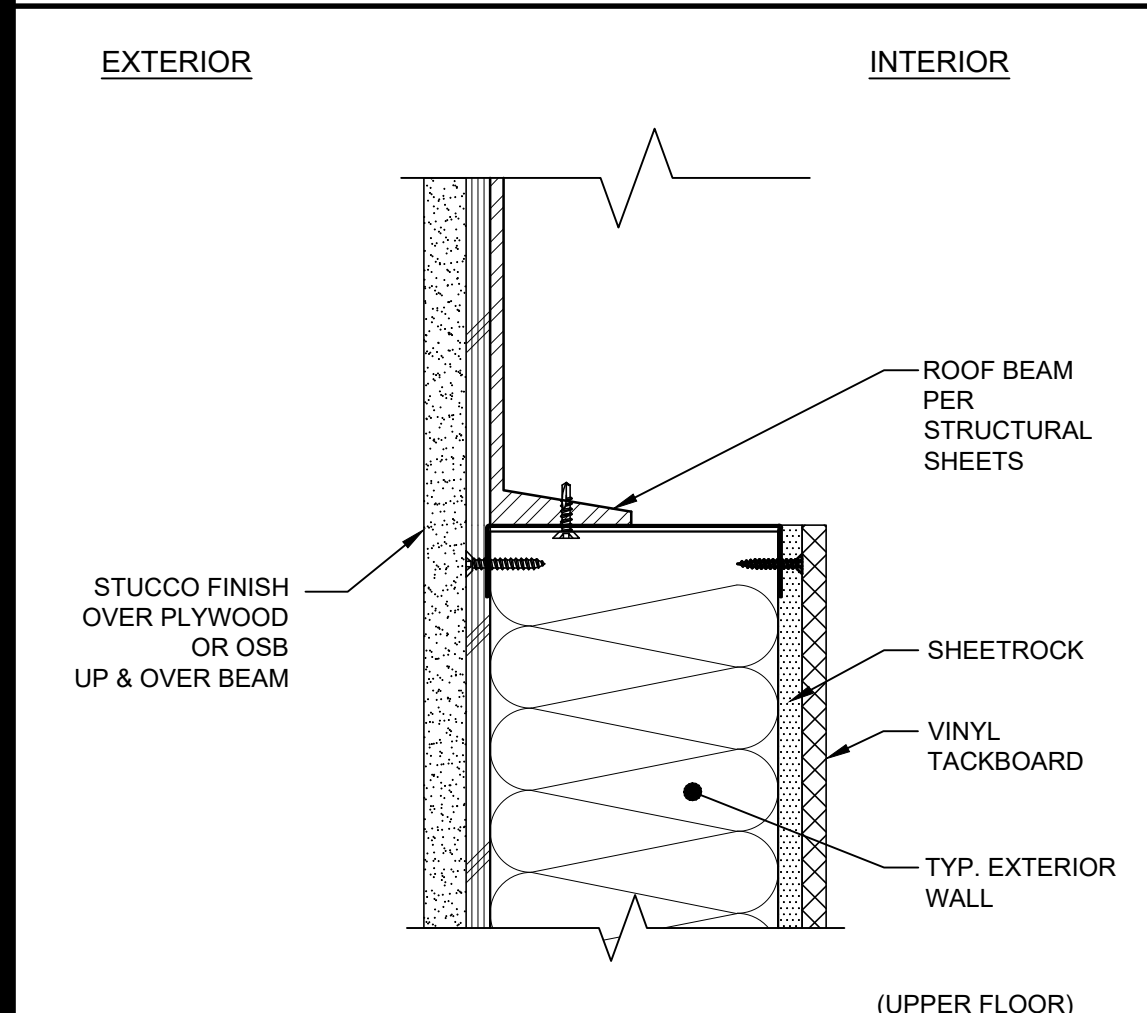
TYPICAL DOOR HEADER SCALE: 3" = 1'-0" 5



MODLINE CLOSURE @ GROUND FLOOR SCALE: 3" = 1'-0" 7

MODLINE CLOSURE @ UPPER FLOOR SCALE: 3" = 1'-0" 9

TYPICAL WALL CORNER AND TYPICAL DOWNSPOUT ATTACHMENT SCALE: 3" = 1'-0" 10

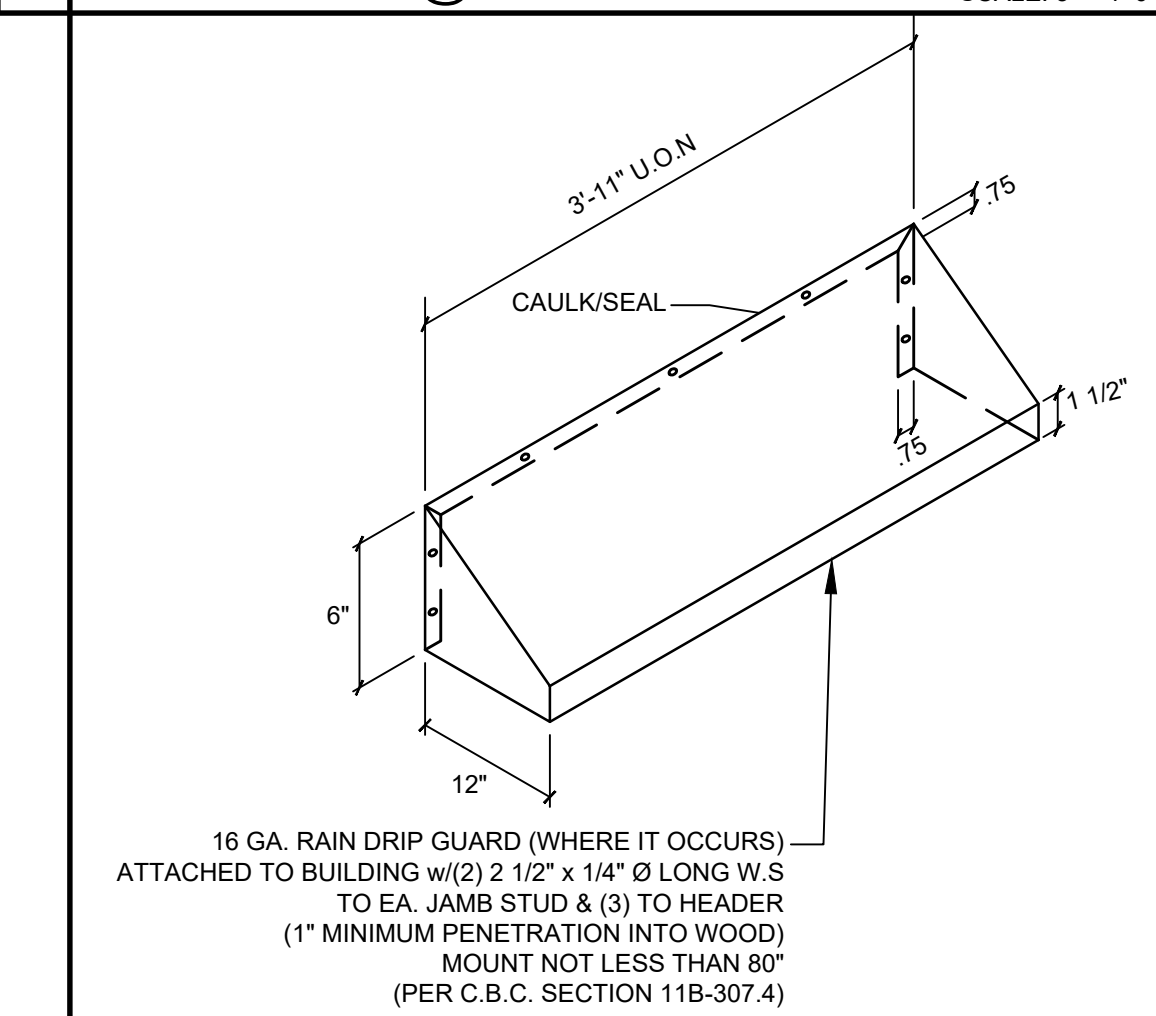
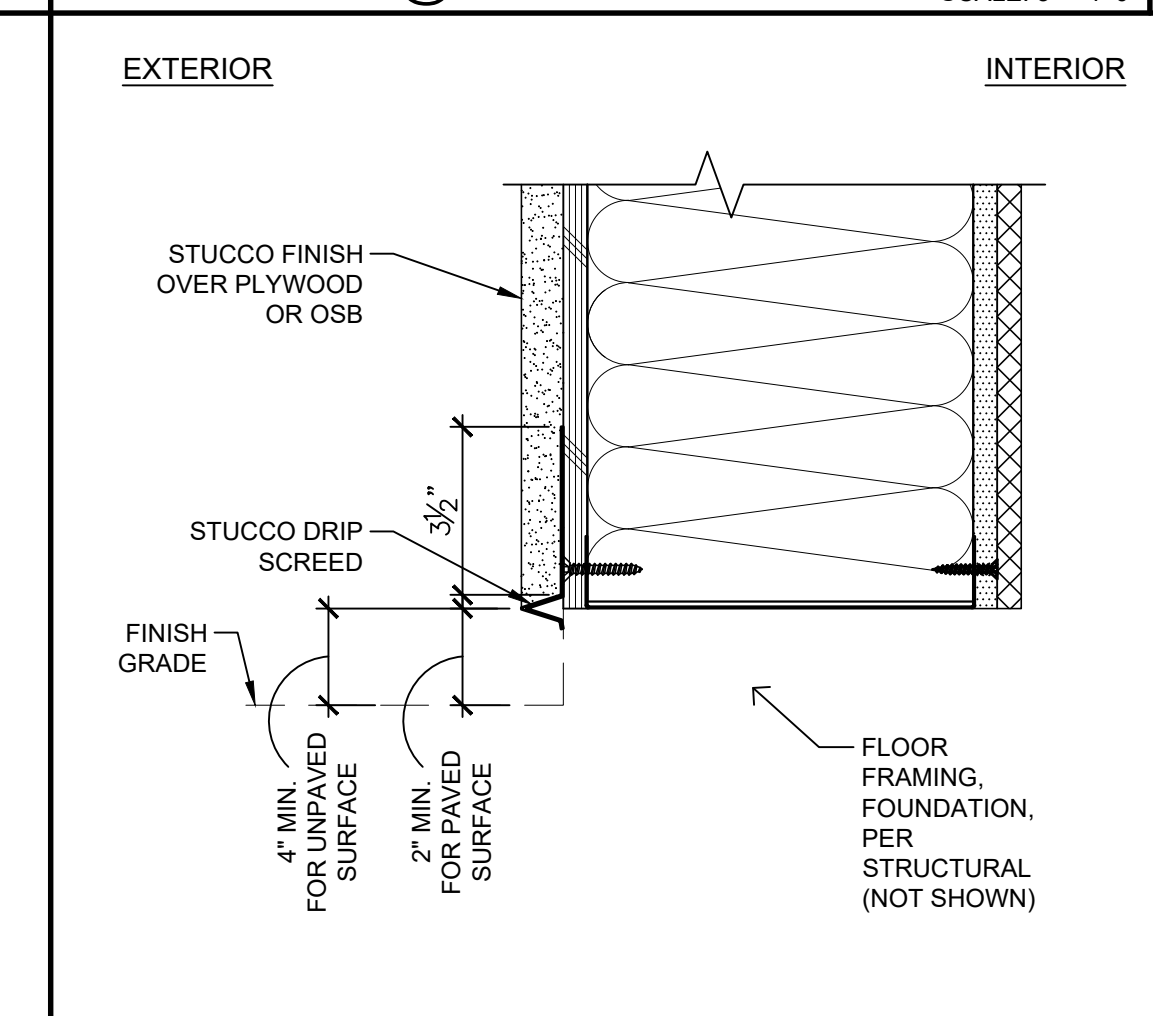
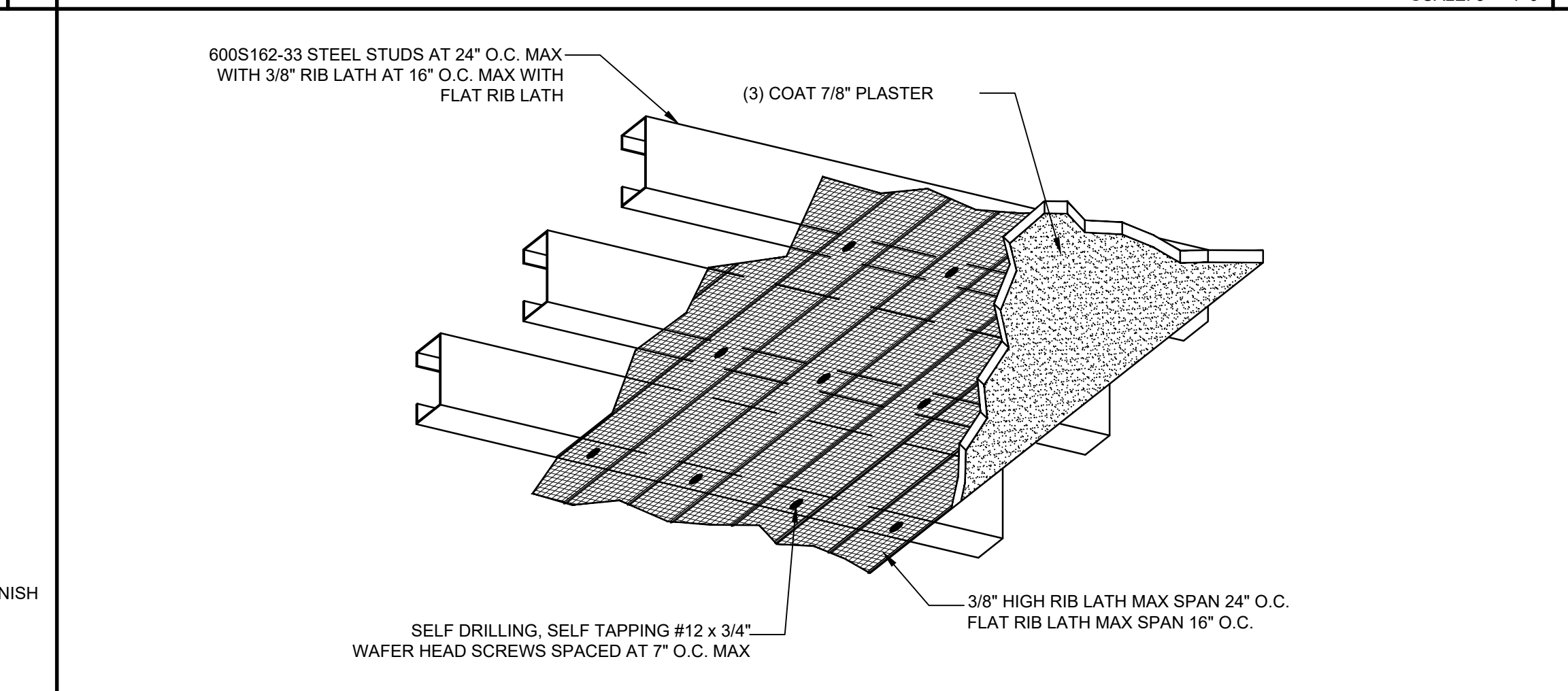
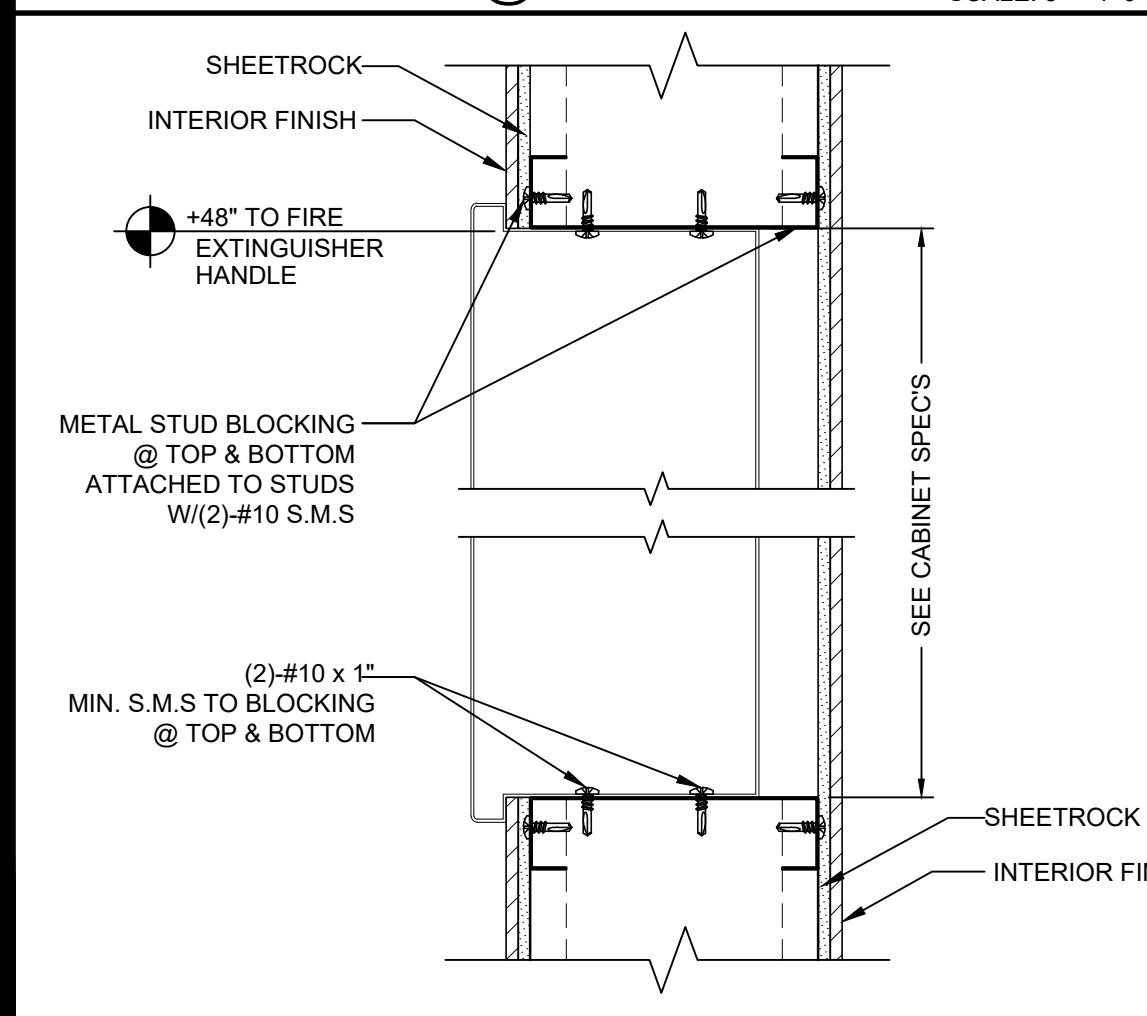


EXTERIOR FINISH @ ROOF BEAM SCALE: 3" = 1'-0" 11

STAIR RAILING DETAIL SCALE: 3" = 1'-0" 12

THRESHOLD @ GROUND FLOOR SCALE: 3" = 1'-0" 13

THRESHOLD @ UPPER FLOOR SCALE: 3" = 1'-0" 14



FIRE EXTINGUISHER IN CABINET DETAIL SCALE: 3" = 1'-0" 15

METAL LATH ATTACHMENT SCALE: 3" = 1'-0" 16

STUCCO TERMINATION @ GRADE SCALE: 3" = 1'-0" 19

RAIN HOOD DETAIL SCALE: 3" = 1'-0" 20

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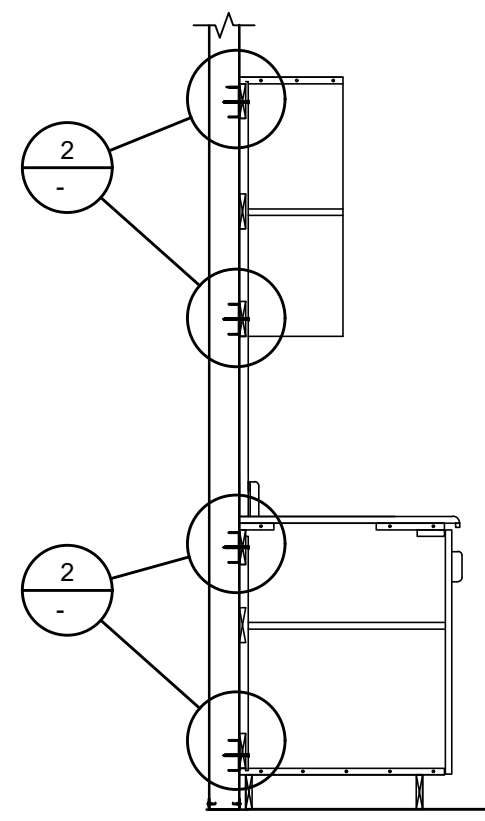
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Patricia J. Garcia
LICENSED ARCHITECT
No. C12631
Ren. 2-31-23
STATE OF CALIFORNIA

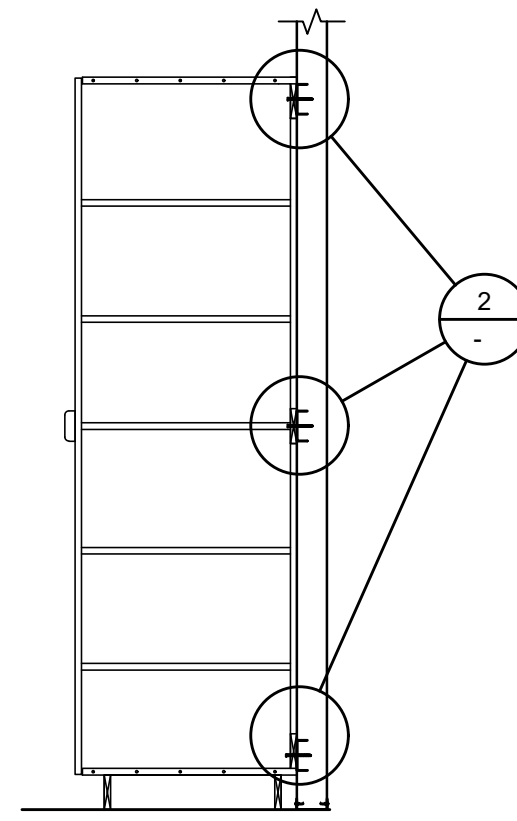
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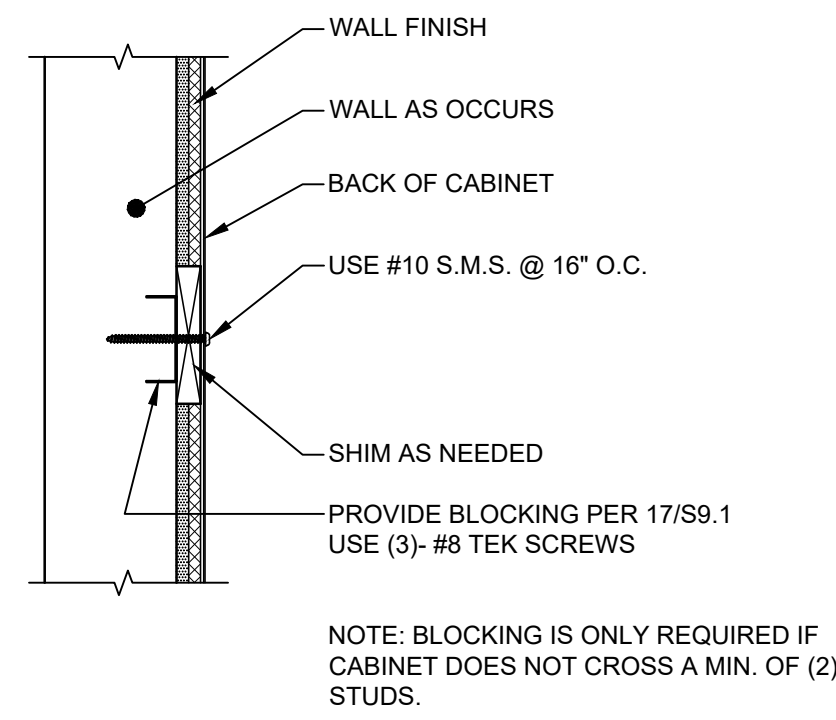
DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE: EXTERIOR FINISH DETAILS
SHEET NUMBER: **A5.1**



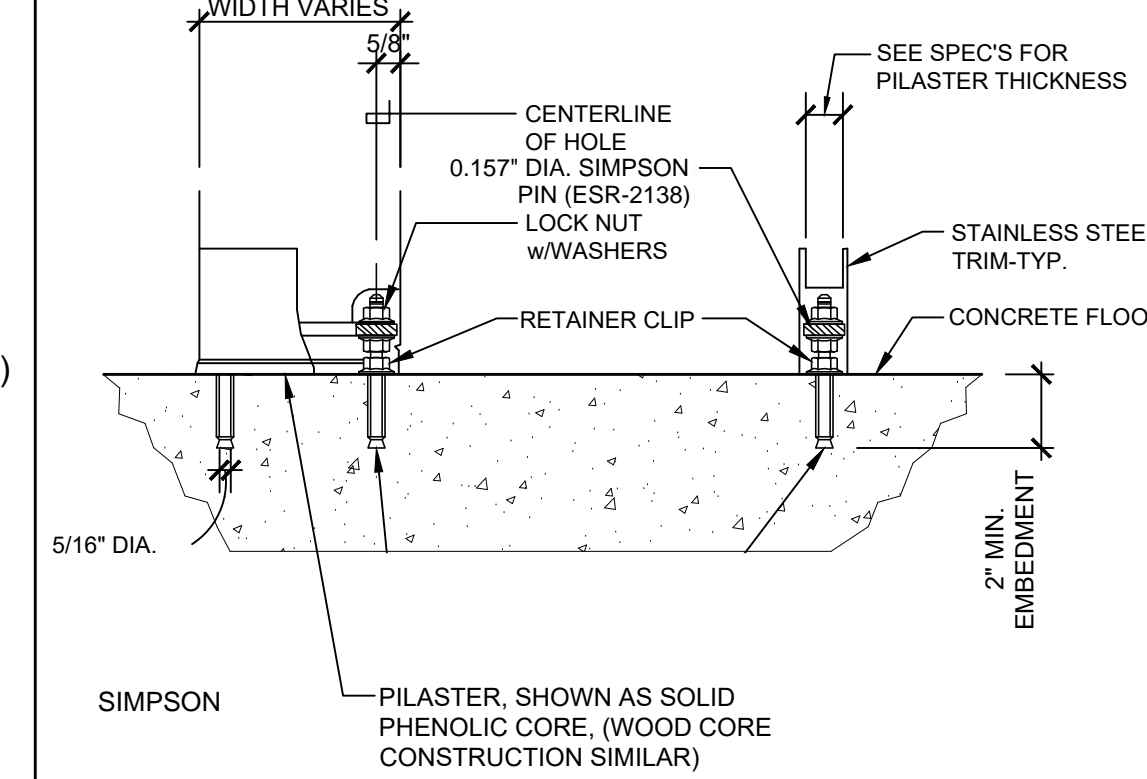
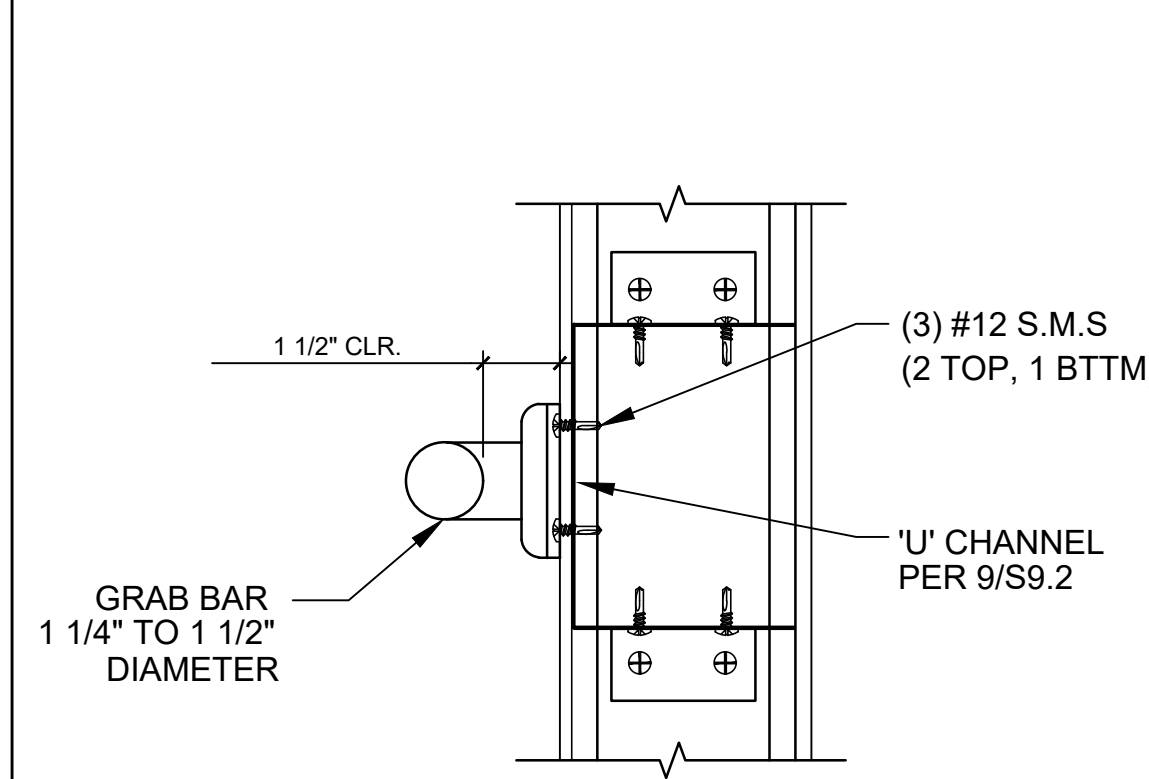
UPPER/BASE CABINET



TALL CABINET



NOTE: BLOCKING IS ONLY REQUIRED IF CABINET DOES NOT CROSS A MIN. OF (2) STUDS.



DRILL HOLES FOR FLOOR ATTACHMENT 5/8\"/>

TYP. CABINET BLOCKING

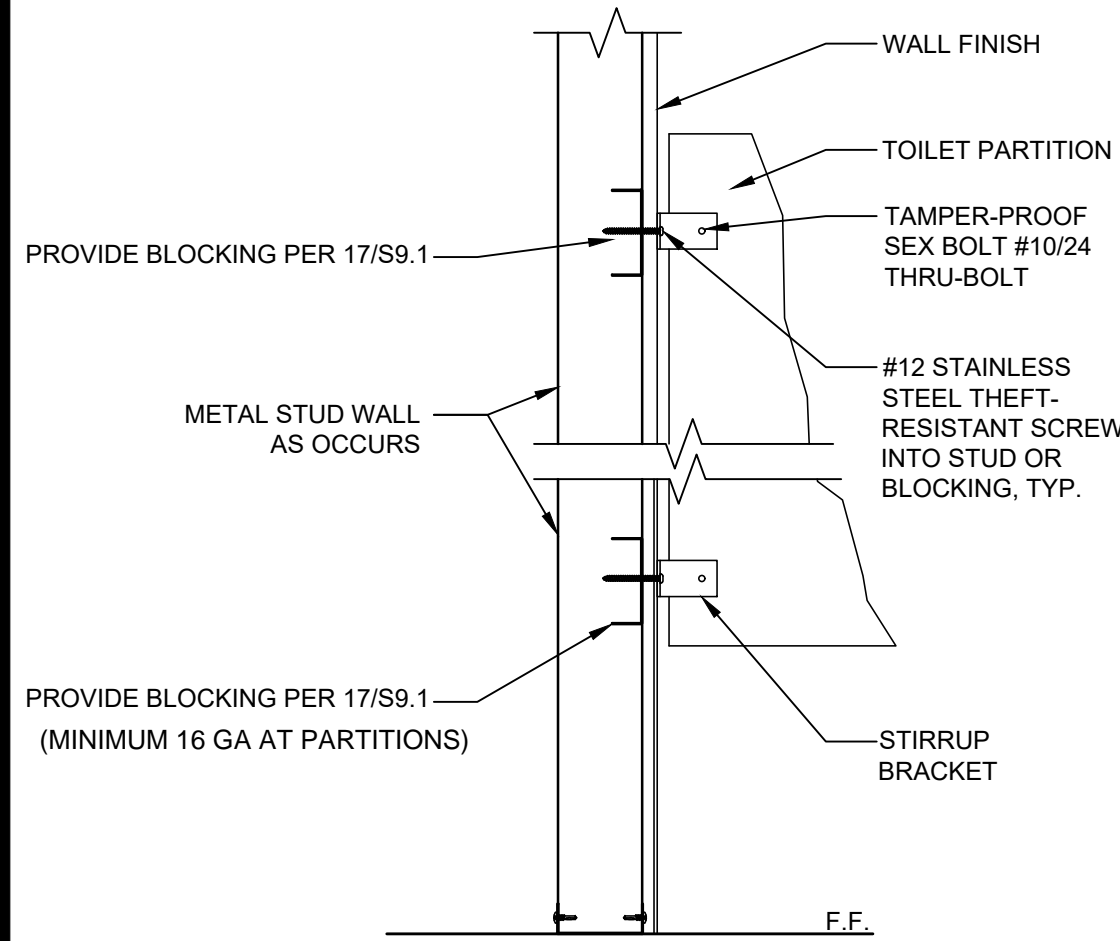
NOT TO SCALE

CABINET BLOCKING IN WALL

SCALE: 1-1/2\"/>

GRAB BAR BLOCKING DETAIL

PARTITION TO CONCRETE FLOOR



TOILET PARTITION WALL BLOCKING

NOT TO SCALE

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

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DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20

SHEET TITLE:
MISCELLANEOUS ARCHITECTURAL DETAILS

SHEET NUMBER:
A7.2

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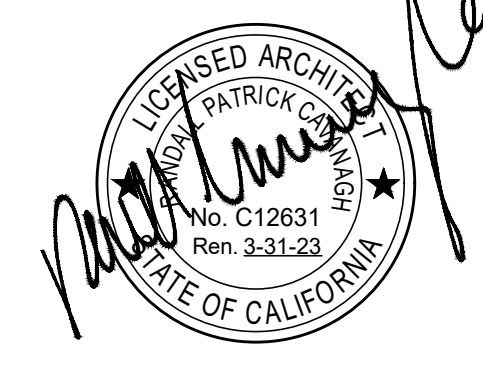
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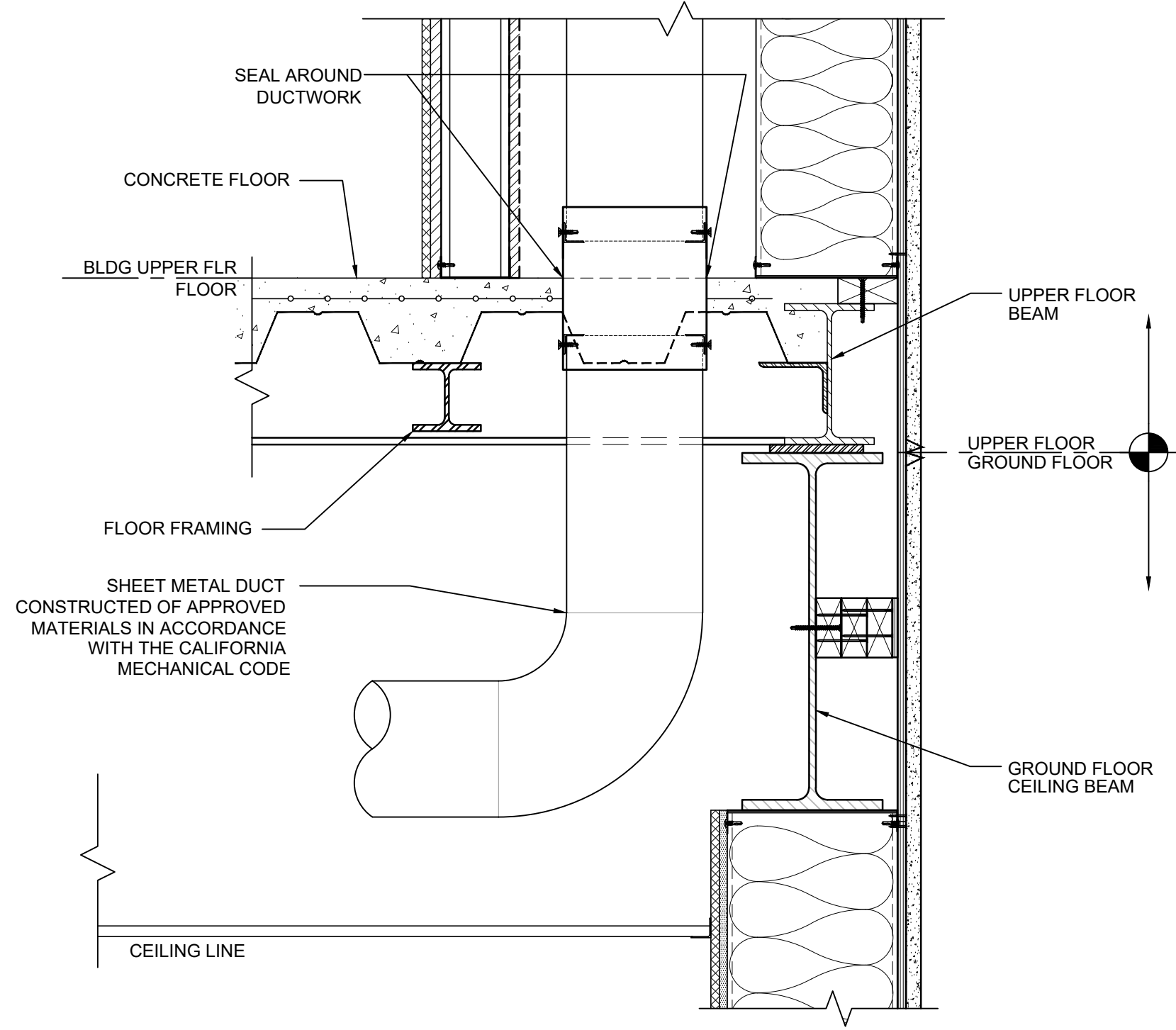
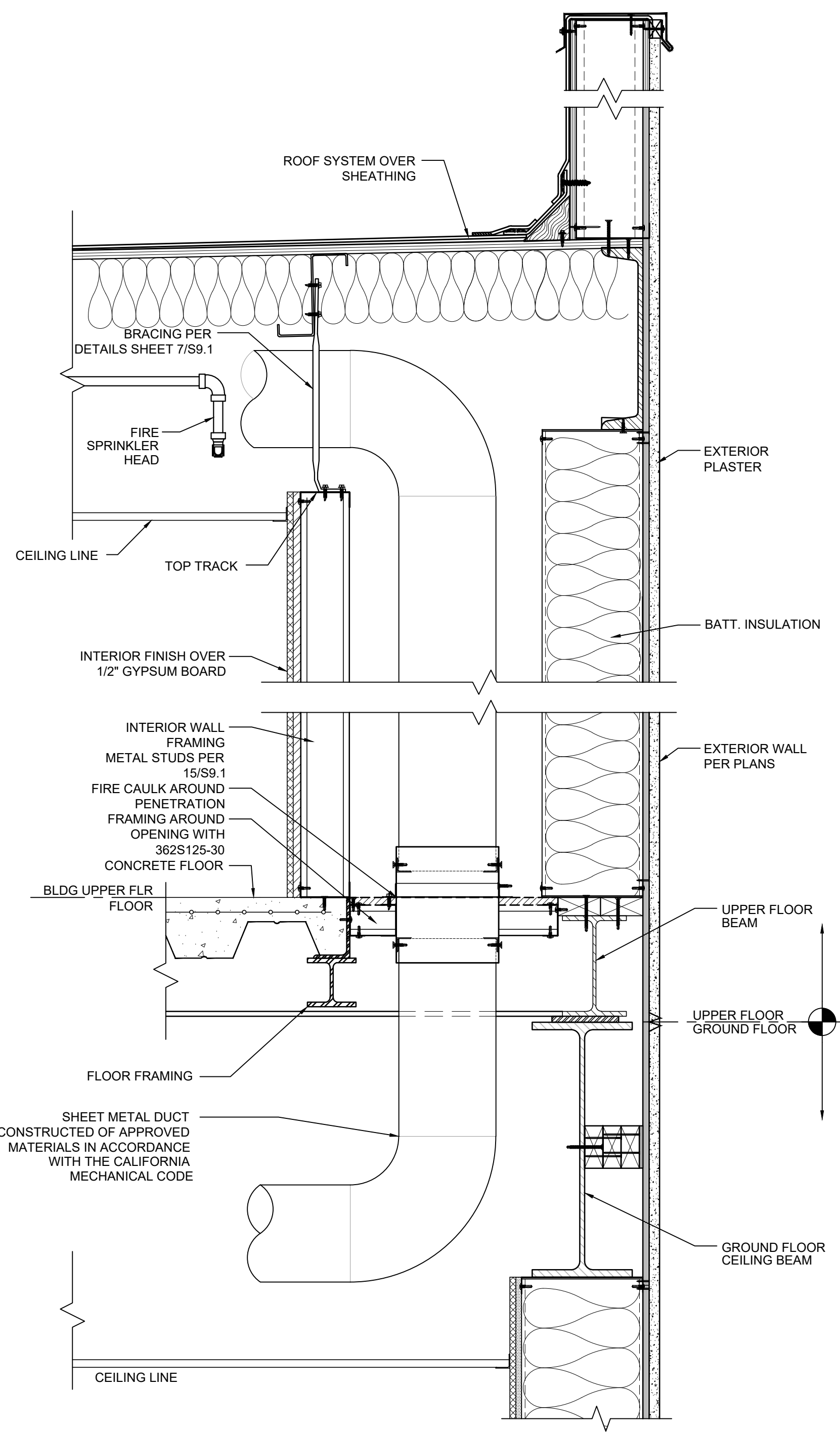
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DRAWN BY: AH
 SCALE: AS NOTED
 DATE: 07/05/21
 PROJECT NO: 1614-20

SHEET TITLE:
 HVAC CHASE SECTION

SHEET NUMBER:
 A8.2



TYPICAL HVAC CHASE SECTION

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

A OPTIONAL HVAC CHASE SECTION

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

B NOT USED



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SET NAME
(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC

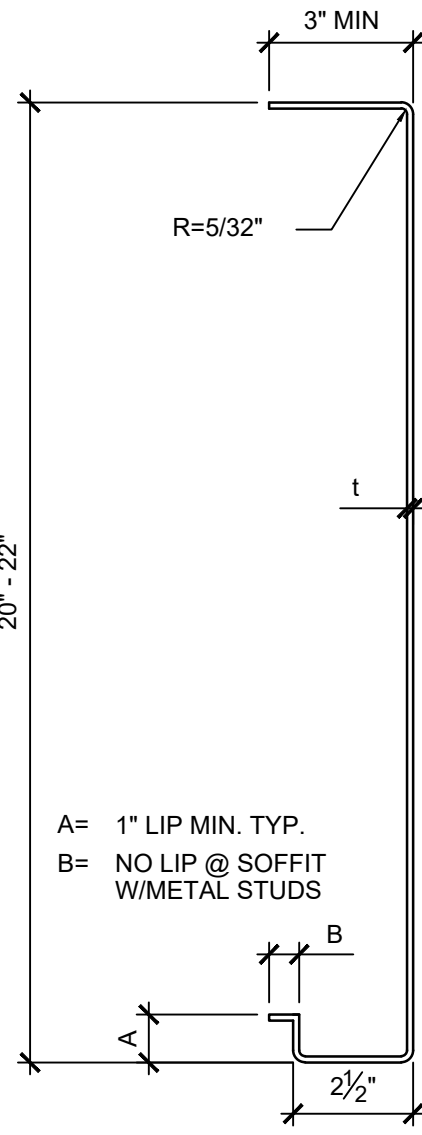
09/20/2021
RST#20203
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REVISIONS

DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20

SHEET TITLE:
LIGHT GAUGE STEEL MEMBER PROPERTIES

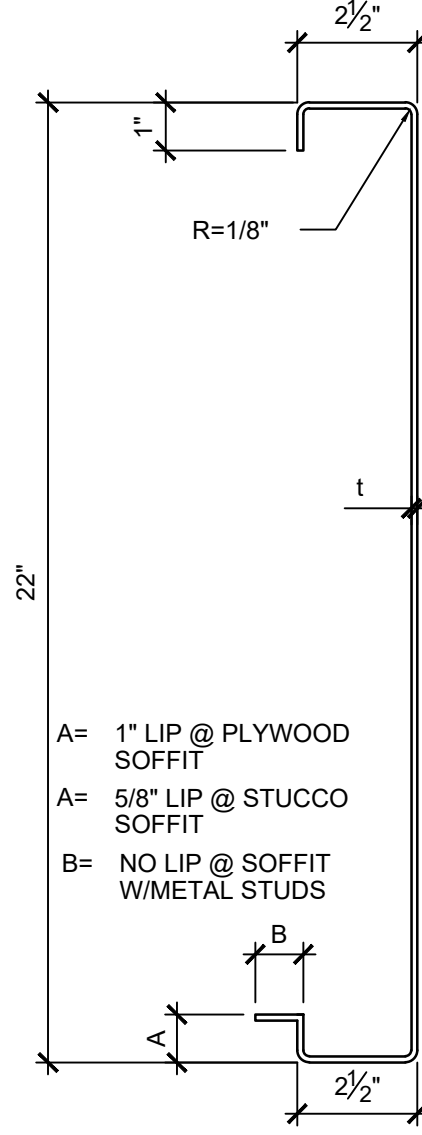
SHEET NUMBER:
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20-22 x 12 GA. TAPERED OUTRIGGER UPPER FLOOR OVERHANG

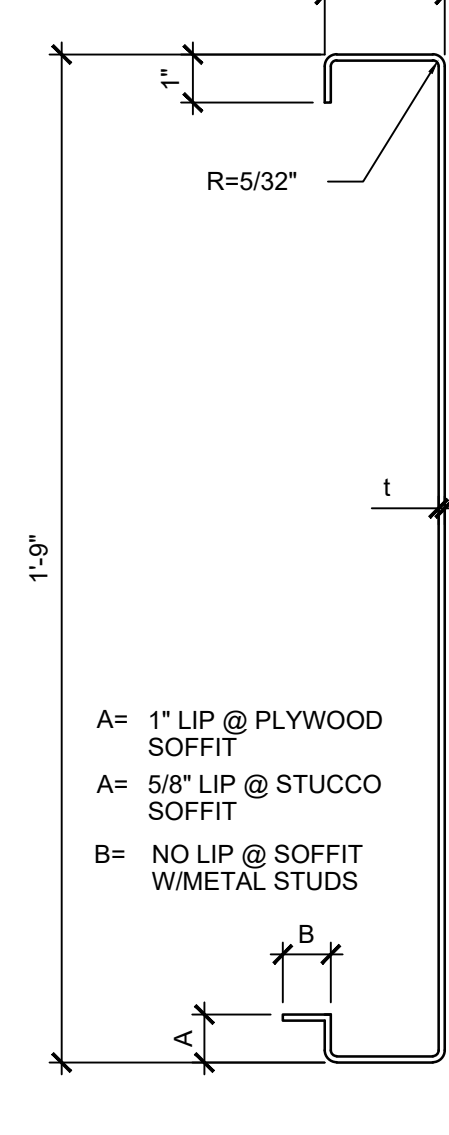
20"
ASTM = A1011
GRADE = 36
Fy = 36 ksi
A = 2.74 IN²
Sx = 13.00 IN³
Ix = 136.1 IN⁴
t = 0.0966 IN MIN
(0.1017 IN DESIGN)

22"
ASTM = A1011
GRADE = 36
Fy = 36 ksi
A = 2.84 IN²
Sx = 14.55 IN³
Ix = 161.6 IN⁴
t = 0.0966 IN MIN
(0.1017 IN DESIGN)



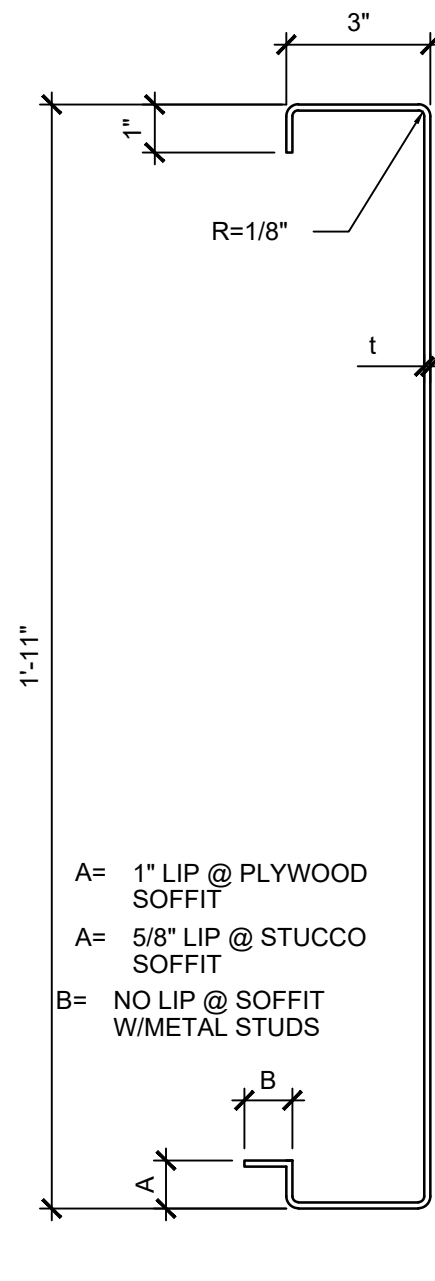
22x2 1/2x14GA UPPER FLOOR OVERHANG FASCIA

ASTM = A1011
GRADE = 33
Fy = 33 ksi
A = 2.00 IN²
Sx = 10.28 IN³
Ix = 114.49 IN⁴
t = 0.0677 IN MIN
(0.0713 IN DESIGN)



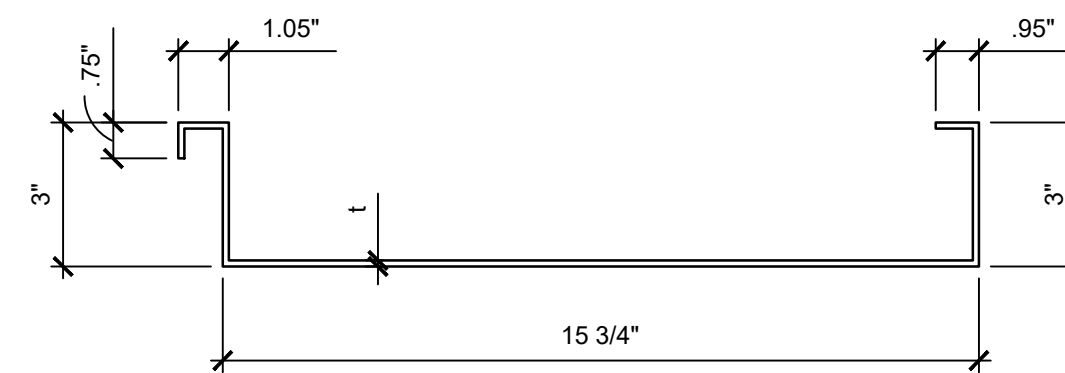
21x2-1/2x12GA GROUND FLOOR OVERHANG FASCIA

ASTM = A1011
GRADE = 33
Fy = 33 ksi
A = 2.73 IN²
Sx = 13.38 IN³
Ix = 142.31 IN⁴
t = 0.0677 in. MIN
(0.1017 IN DESIGN)



23x3x14GA C CHANNEL - SKYWALK

ASTM = A1011
GRADE = 33
Fy = 33ksi
A = 2.17 in.²
Sx = 12.24 IN³
Ix = 140.81 in.⁴
t = 0.0677 in. MIN.
(0.0713 in. DESIGNED)



20 GA ROOF PAN STANDING SEAM ROOF PANEL AT PC ELEVATOR (PC 03-118291)
ASTM A1011, GRADE 36
Fy = 36 KSI

Sx (t) = 0.364 IN³
Sx (b) = 1.372 IN³
Ix = 0.863 IN⁴

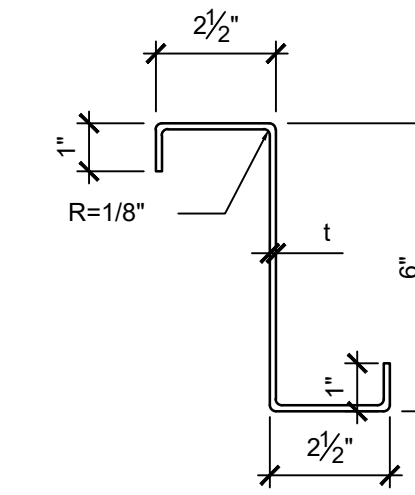
Sx (t) = 0.330 IN³
Sx (b) = 0.305 IN³
Ix = 0.476 IN⁴
A = 0.840 IN²

w/ GALVANIZATION
t = 0.0356 IN. MIN.

w/o GALVANIZATION
t = 0.0329 IN. MIN.
(0.035 IN. DESIGN)

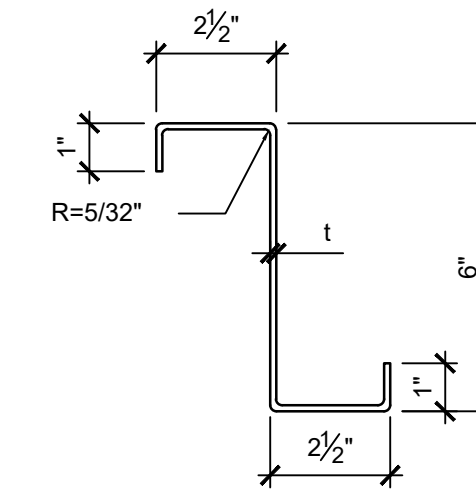
NOTES:

- MEMBERS TO BE FABRICATED FROM HOT ROLLED SHEETS WITH OPTIONAL RUST INHIBITIVE COATING
- UNLESS NOTED OTHERWISE ALL SECTION PROPERTIES ARE GROSS SECTION PROPERTIES



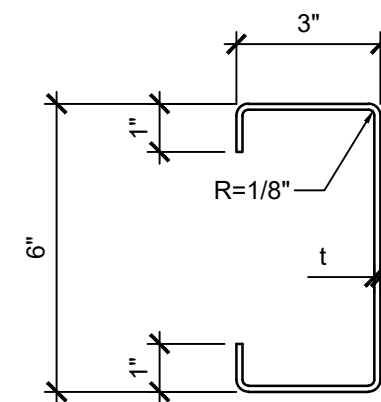
6x2 1/2x14GA UPPER FLOOR ROOF PURLIN

ASTM = A1011
GRADE = 36
Fy = 36 KSI
A = 0.889 IN²
Sx = 1.662 IN³
Ix = 4.885 IN⁴
t = 0.0677 IN MIN
(0.0713 IN DESIGN)



6x2 1/2x12GA GROUND FLOOR ROOF PURLIN

ASTM = A1011
GRADE = 36
Fy = 36 KSI
A = 1.245 IN²
Sx = 2.288 IN³
Ix = 6.865 IN⁴
t = 0.0966 IN MIN
(0.1017 IN DESIGN)



6x3x14GA C FORMED

ASTM = A1011
GRADE = 36
Fy = 36 ksi
A = 0.960 IN²
Sx = 1.370 IN³
Ix = 5.611 IN⁴
t = 0.0677 in. MIN.
(0.0713 in. DESIGNED)



787 Spreckels Ave.,
Manteca, CA 95336
Phone (209) 825-1921
Fax (209) 825-7018
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09/20/2021
RST#20203

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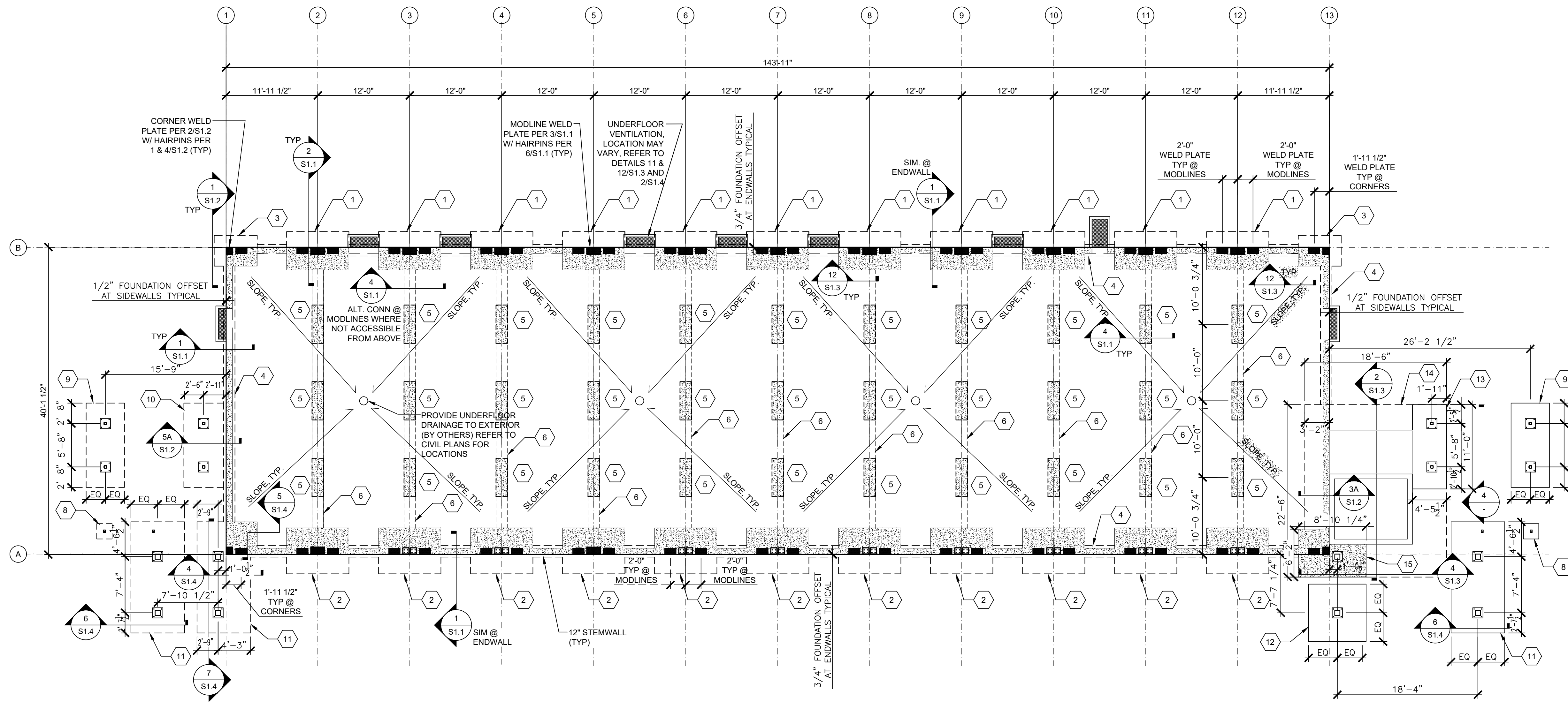
REVISIONS

DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20

SHEET TITLE:
FOUNDATION PLAN

SHEET NUMBER:

S1.0



FOUNDATION PLAN

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

NOTES

- DO NOT INSTALL BUILDING IN AREAS OF WATER FLOW LINES.
- CONCRETE MIXTURES:
 - A. CONCRETE STRENGTH: FOOTINGS AND SLABS ON GRADE, (DESIGN BASED ON FC=3000 PSI) MINIMUM REQUIREMENTS: PSI @ 28 DAYS = 3500 PSI, MIN. CEMENT TYPE II/III WITH WATER/CEMENT RATIO OF 0.5, AND MAX SLUMP 4".
 - B. PROPORTIONING OF CONCRETE MIXTURES SHALL BE IN ACCORDANCE WITH ACI 318-14, SECTION 26.4.3.
 - C. DOCUMENTATION OF CONCRETE MIXTURE CHARACTERISTICS SHALL BE IN ACCORDANCE WITH ACI 318-14, SECTION 26.4.4.
 - D. CEMENT SHALL BE CERTIFIED PER TITLE 24, PART 2, SECTION 1910A.1
 - E. SEE SHEET N1.0 FOR ADDITIONAL CONCRETE NOTES.
- BUILDING MAY BE SET ON CONCRETE FOUNDATIONS THAT HAVE REACHED A MINIMUM CONCRETE COMPRESSIVE STRENGTH OF 70% OF THE SPECIFIED DESIGN STRENGTH (F_c) STATED ABOVE IN NOTE #2. PRIOR TO THE SETTING OF THE MODULAR BUILDING ON CONCRETE FOUNDATIONS THAT HAVE NOT YET CURED 28 DAYS POST PLACEMENT OF FOUNDATION CONCRETE, THE FOUNDATION CONTRACTOR SHALL:
 - A. HAVE THE PROJECT TESTING LAB PERFORM CONCRETE CYLINDER COMPRESSION TESTS OF THE FOUNDATION CONCRETE USED AT THE SITE.
 - B. FURNISH THE PROJECT IOR AND REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE WITH CONCRETE TEST REPORTS VERIFYING THAT THE FOUNDATION CONCRETE HAS REACHED THE MINIMUM STRENGTH AS SPECIFIED ABOVE, AND
 - C. NOTIFY THE PROJECT IOR AND REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE OF THEIR INTENT TO SET THE MODULAR BUILDING PRIOR TO 28 DAYS POST PLACEMENT OF FOUNDATION CONCRETE.
- THE REINFORCING BARS MUST BE TESTED PER TITLE 24, PART 2, SECTION 1910A.2.
- REINFORCING STEEL SHALL BE 60,000 PSI MINIMUM, PER ASTM A615. LAP SPLICE PER SCHEDULE 20/S1.3
- DESIGN SOIL BEARING CAPACITY = 2000 PSF (DL ONLY) AND 2500 PSF (DL + LL) PER SOIL REPORT (1/3 INCREASE IN SOIL BEARING CAPACITY NOT PERMITTED UNLESS USING ALTERNATIVE BASIC LOAD COMBINATIONS PER CBC SECTION 1605.A.3.2)
- FOR PIPE PENETRATIONS SEE 3/S1.4
- THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE SHOULD VERIFY THAT THE NET AREA OF THE VENT COVER IS EQUAL TO OR LARGER THAN THE VENT AREA REQUIRED SHOWN IN THE TABLE.
- THE DESIGN OF FLOOR DRAINS UNDER THE BUILDING SHALL BE PROVIDED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
- MODLINE PIERS SHALL BE FORMED AND POURED SO THAT THE TOP OF THE CONCRETE IS AT THE SAME ELEVATION AS THE TOP OF THE COLUMN WELD PLATES SHOWN IN DETAILS 2/S1.1 & 1/S1.2 SHIM PLATES PER DETAIL 5/S1.3 MAY BE USED WHERE REQUIRED

FOUNDATION NOTES

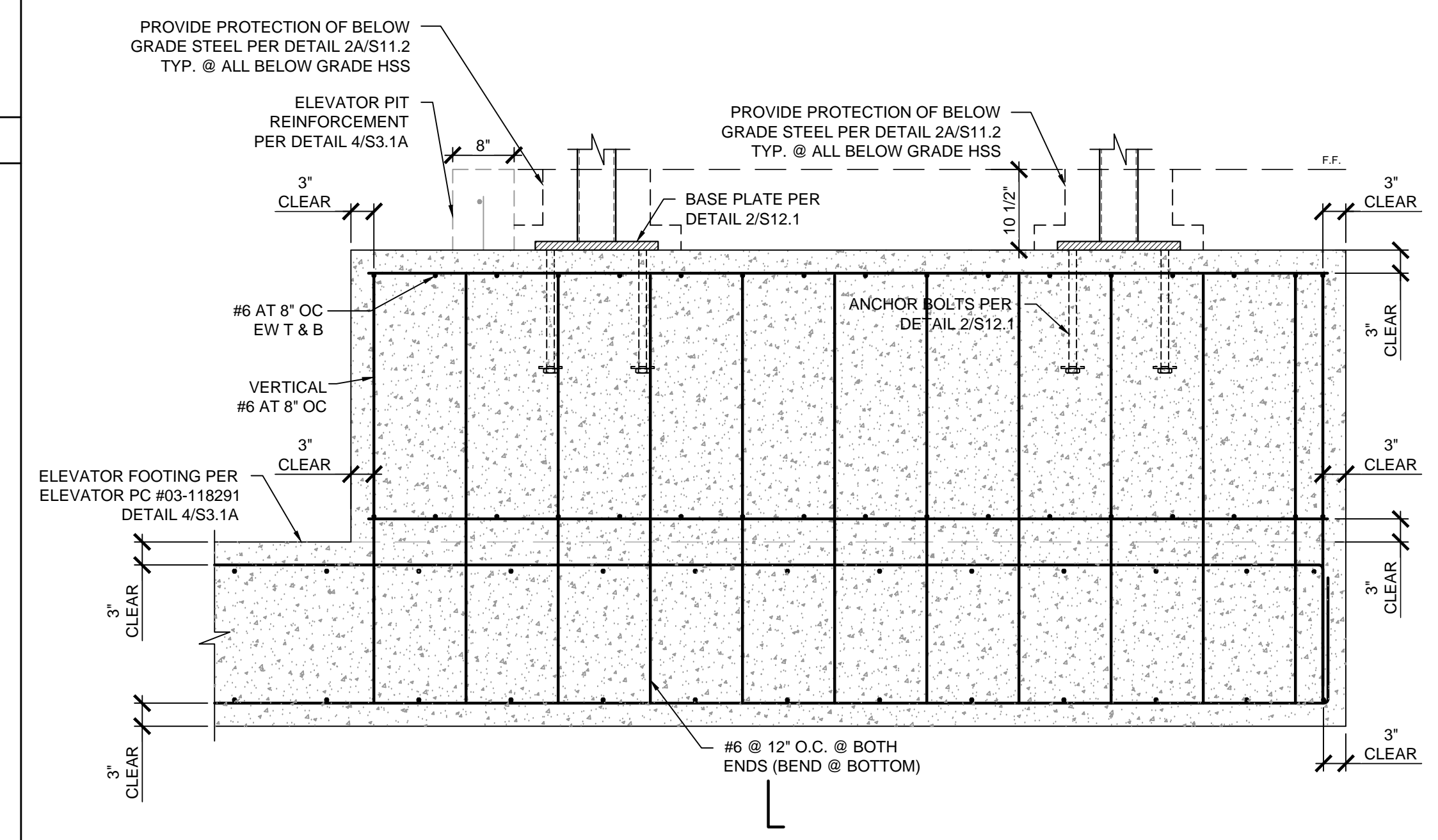
VENTILATION SCHEDULE *

Project Specific Building Size	Total Building Area (Sq. Ft.)	Actual Space Area required to be vented (FT ²)	Vent. Net Area Required (FT ²)	Min. Total # 3'-10"x16" Vents (3.9 sq. ft.)	Min. Total # 4'x12" access Vents (3.12 sq. ft.)	Min. Total # 3'x24" access Vents (3 sq. ft.)	Vent Net Area Provided (FT ²)
144' x 40'	5760	4765	31.77	6	2	1	32.64

FOUNDATION VENT SCHEDULE

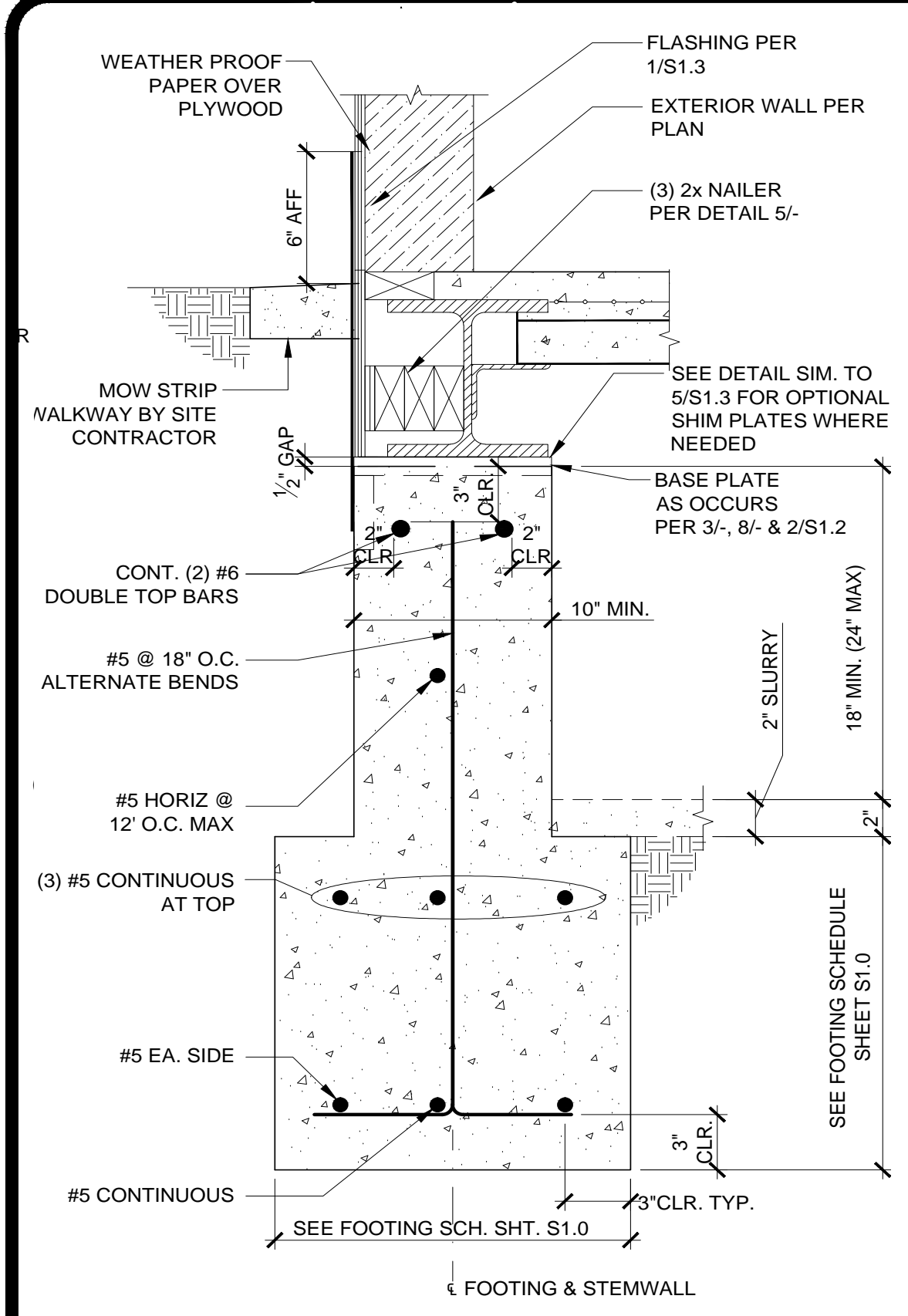
FOOTING SCHEDULE			
Type Mark	Type	Reference Detail	Remark
1	5'-0" SQ. x 18" DP	(2/S1.1)	
2	6'-0" SQ. x 18" DP	(1/S1.2)	
3	4'-0" SQ. x 18" DP	(2/S1.1)	
4	1'-6"W CONT. x 18" DP	(1/S1.1)	
5	1'-6"W x 5'-0"L x 36"-42" DP	(4/S1.1)	
6	1'-6"W CONT. x 18" DP	(4/S1.1)	
14	18'-6" x 22'-6" x 24" DP	(PC 03-118291)	
15	8'-0" x 6'-2" x 5'-2" DP	(4/S1.3)	10" BELOW F.F. 5'-2" DEEP
Type Mark	Type	Reinforcement	Remark
8	2'-0" SQ. x 18" DP	(3) #4 E.W. T&B	10" BELOW F.F. 18" DEEP
9	5'-0"W x 11'-0"L x 24" DP	(6) #6 LONG. T&B & #6 TRANS. @ 8" O.C. T&B	10" BELOW F.F. 24" DEEP
10	5'-2"W x 11'-0"L x 3'-2" DP	(6) #6 LONG. T&B & #6 TRANS. @ 8" O.C. T&B	SEE DETAIL 5A/S1.2 10" BELOW F.F. 5'-2" DEEP
11	7'-0"W x 14'-6"L x 3'-2" DP MIN	(9) #6 LONG. T&B & #6 TRANS. @ 8" O.C. T&B	SEE DETAILS 5, 6 & 7/S1.4 10" BELOW F.F. 5'-2" DEEP
12	7'-6"W x 7'-6"L x 5'-2" DP	(9) #6 E.W. T&B	10" BELOW F.F. 5'-2" DEEP
13	4'-5 1/2" W x 11'-0" L x 5'-2" DP	(6) #6 LONG. T&B & #6 TRANS. @ 8" O.C. T&B	SEE DETAIL 3/S1.0 10" BELOW F.F. 5'-2" DEEP

FOUNDATION SCHEDULE

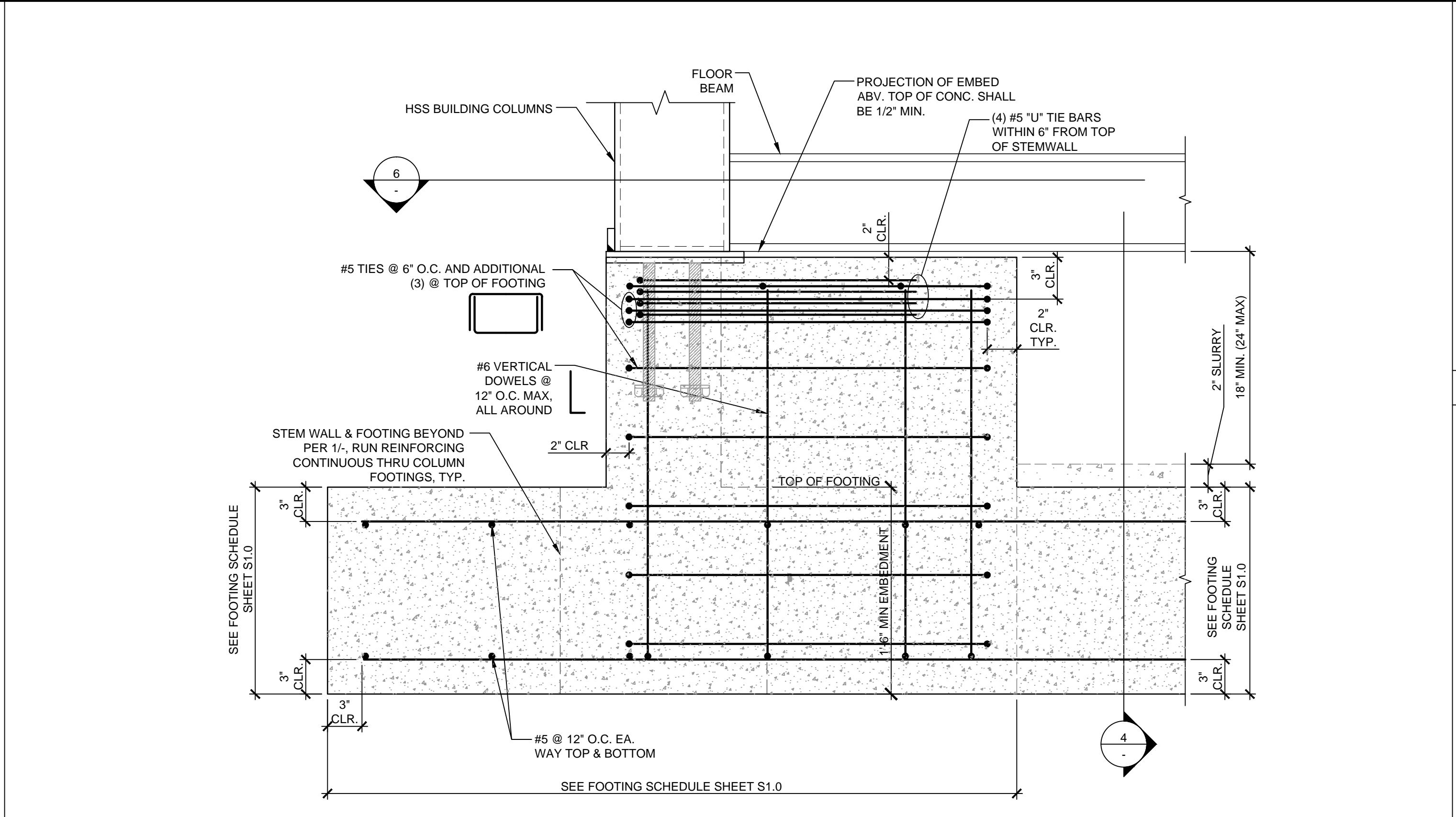


FOOTING DETAIL

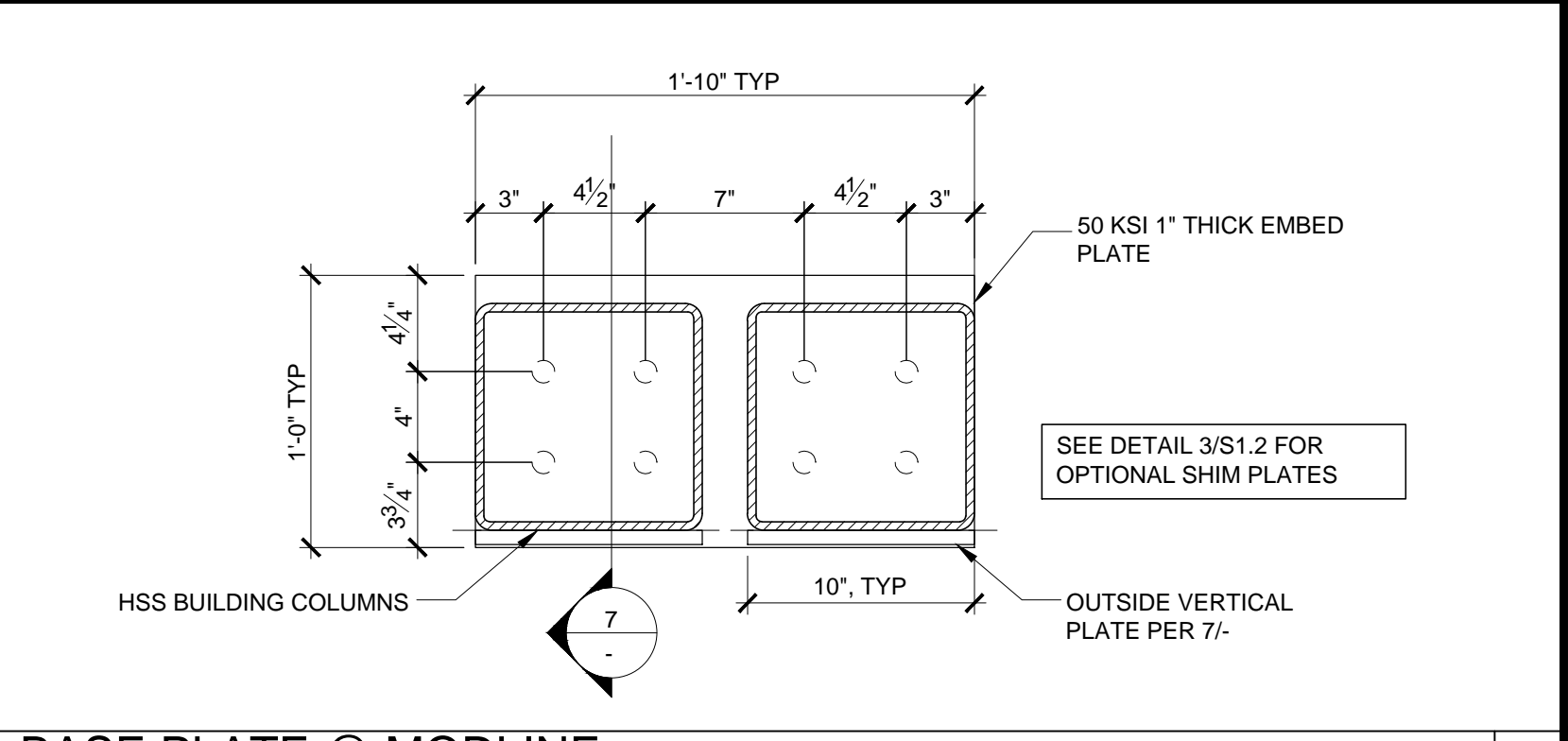
SCALE: 3/4" = 1'-0" 4



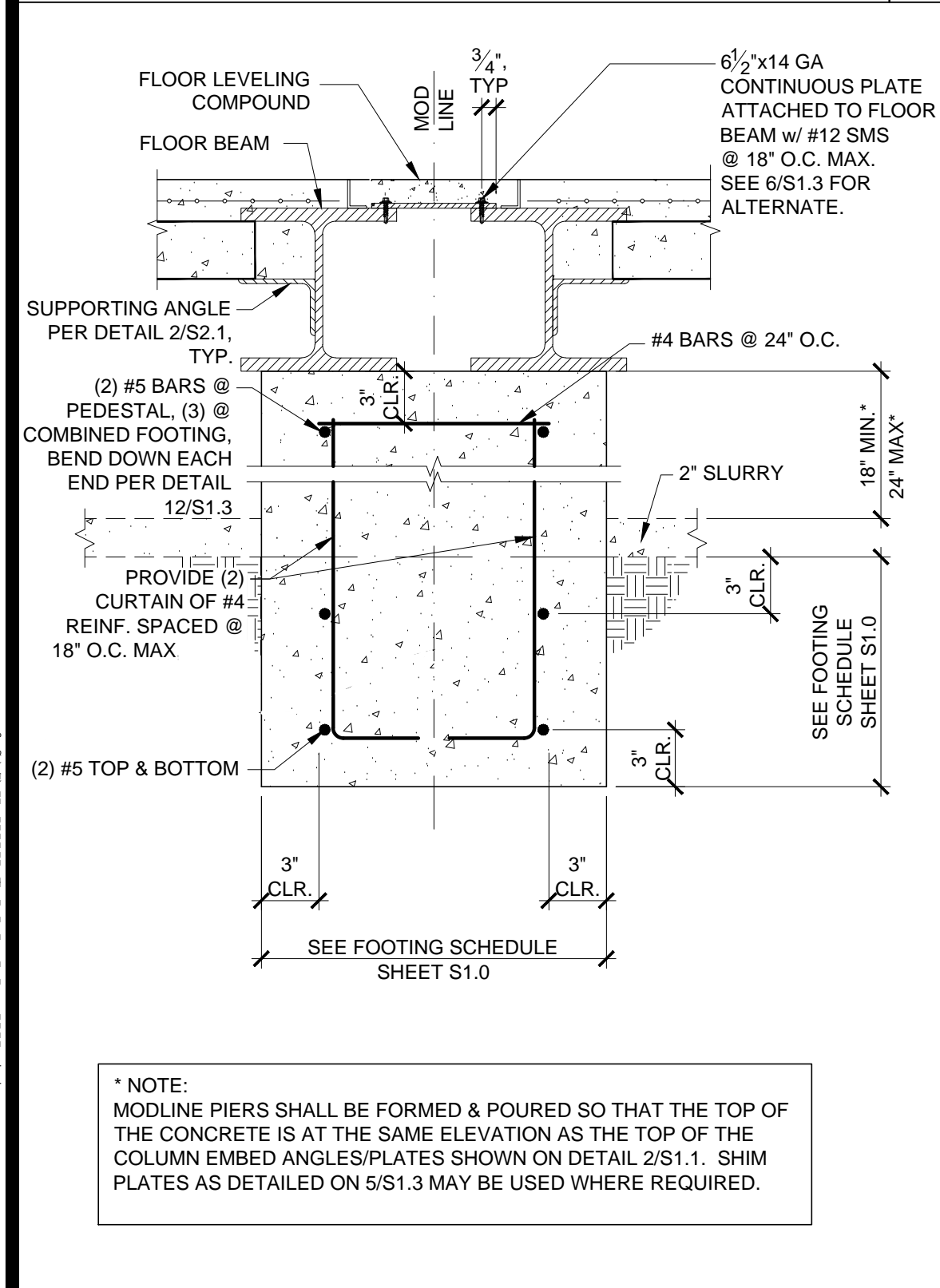
TYPICAL FOOTING DETAIL SCALE: 1-1/2" = 1'-0" 1



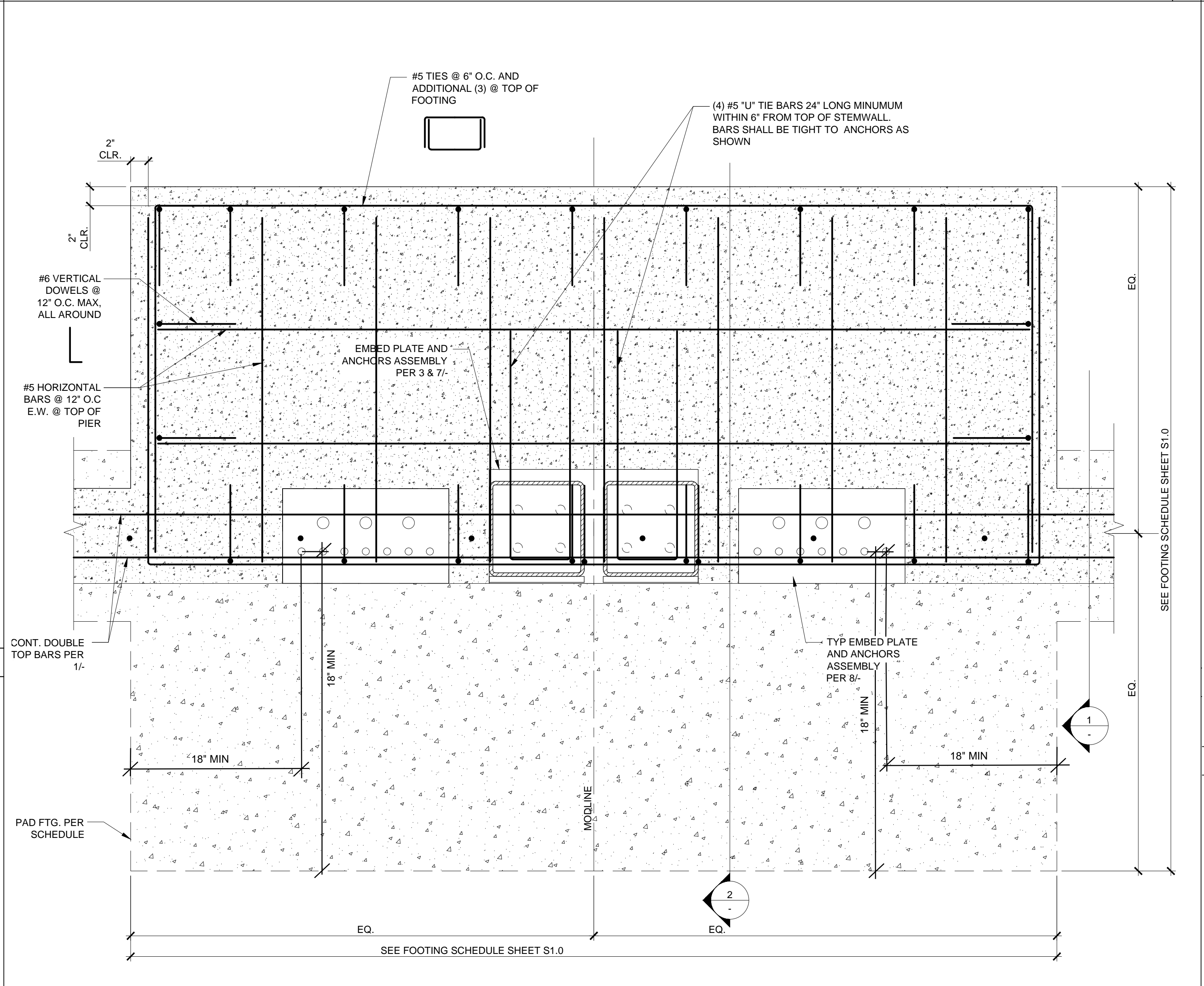
MODLINE FOOTING DETAIL SCALE: 1-1/2" = 1'-0" 2



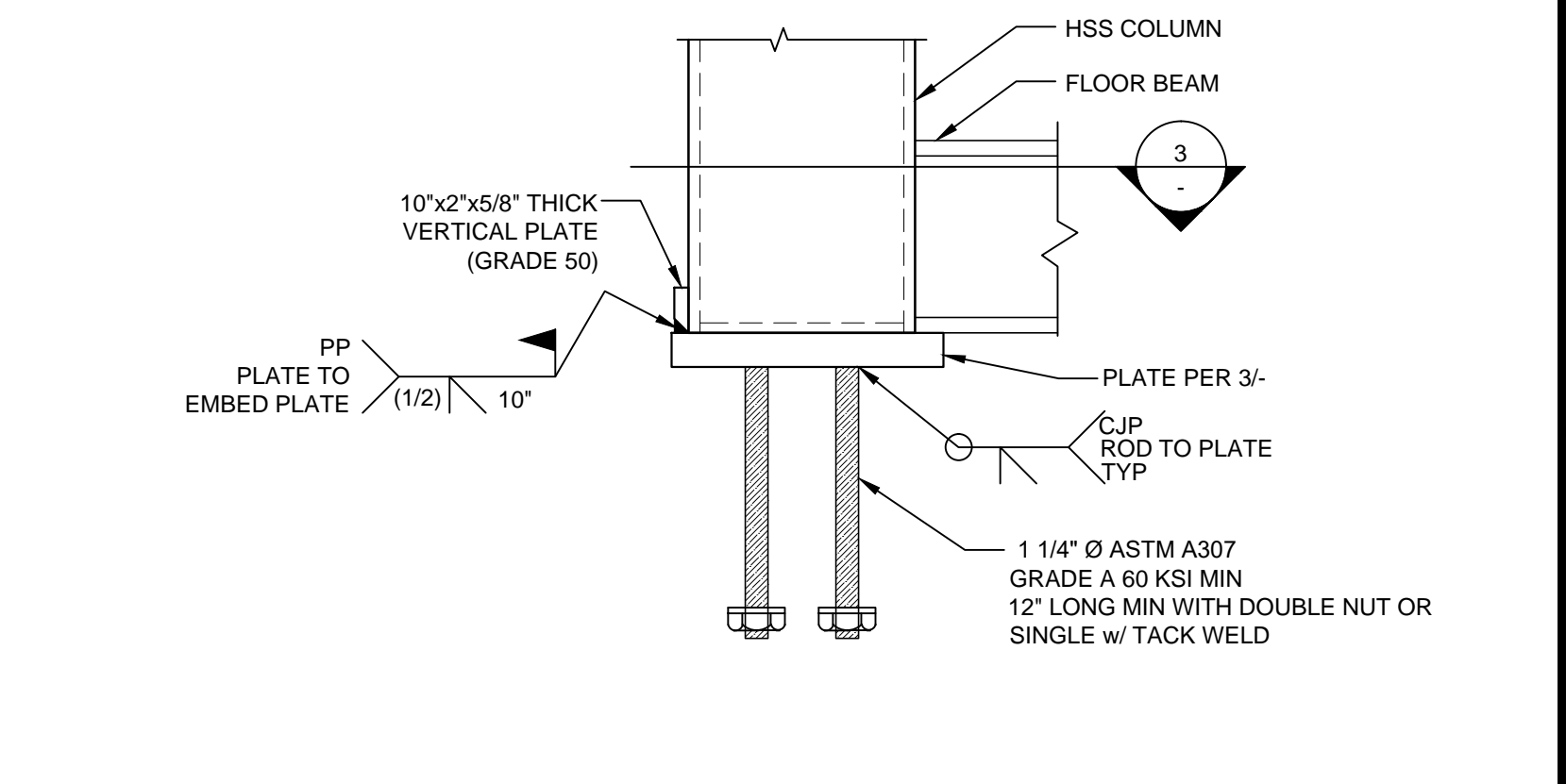
BASE PLATE @ MODLINE SCALE: 1-1/2" = 1'-0" 3



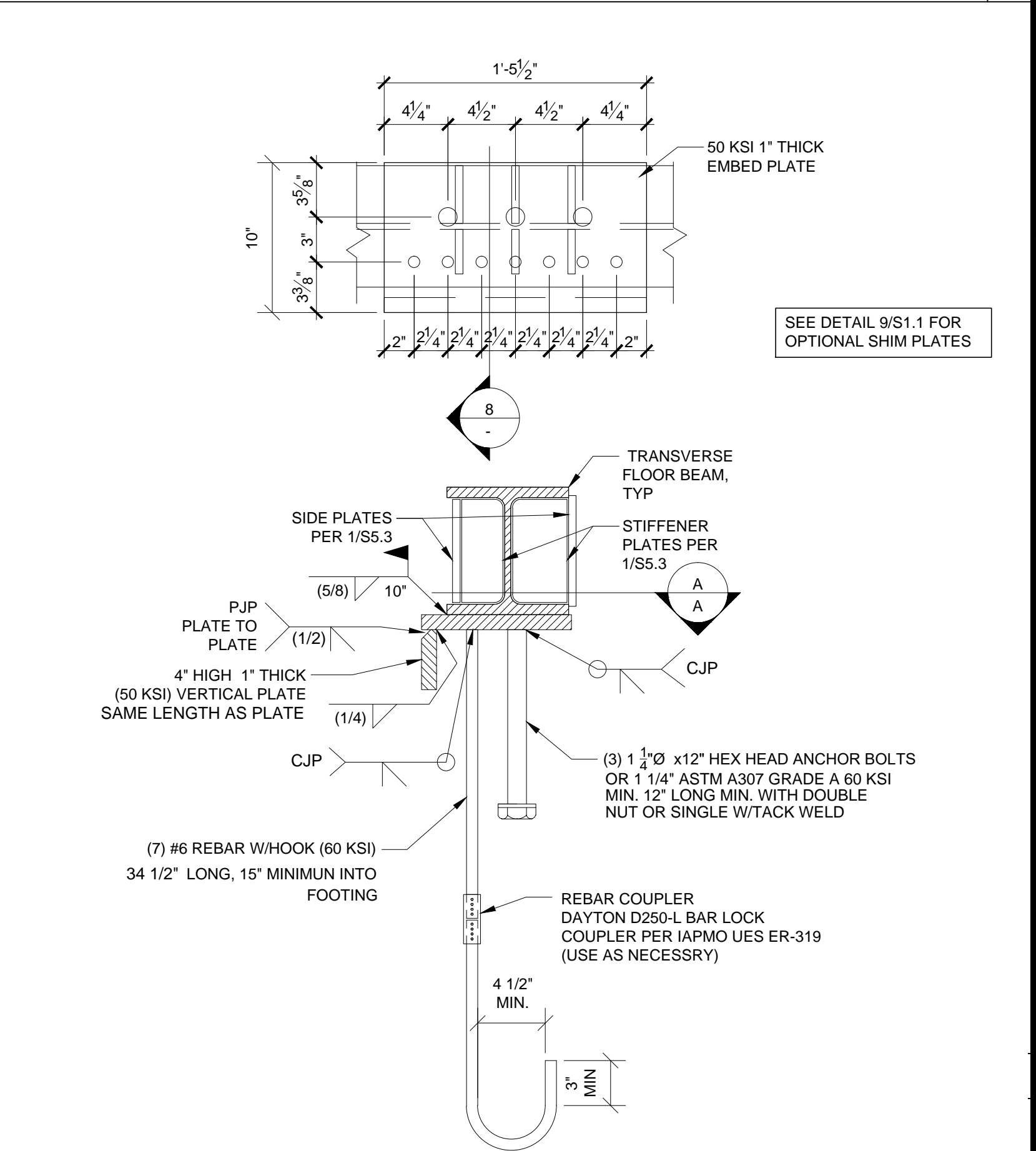
INTERIOR MODLINE FOOTING SCALE: 1-1/2" = 1'-0" 4



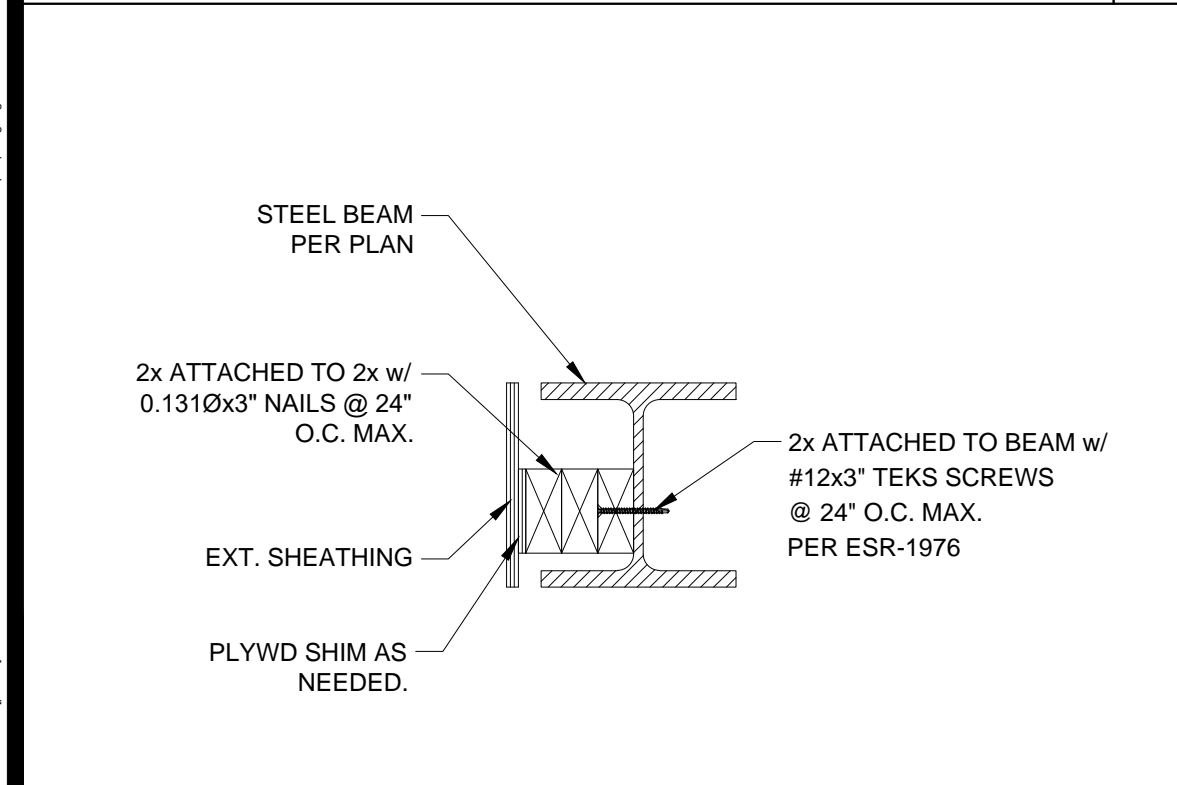
PLAN VIEW @ MODLINE SCALE: 1-1/2" = 1'-0" 6



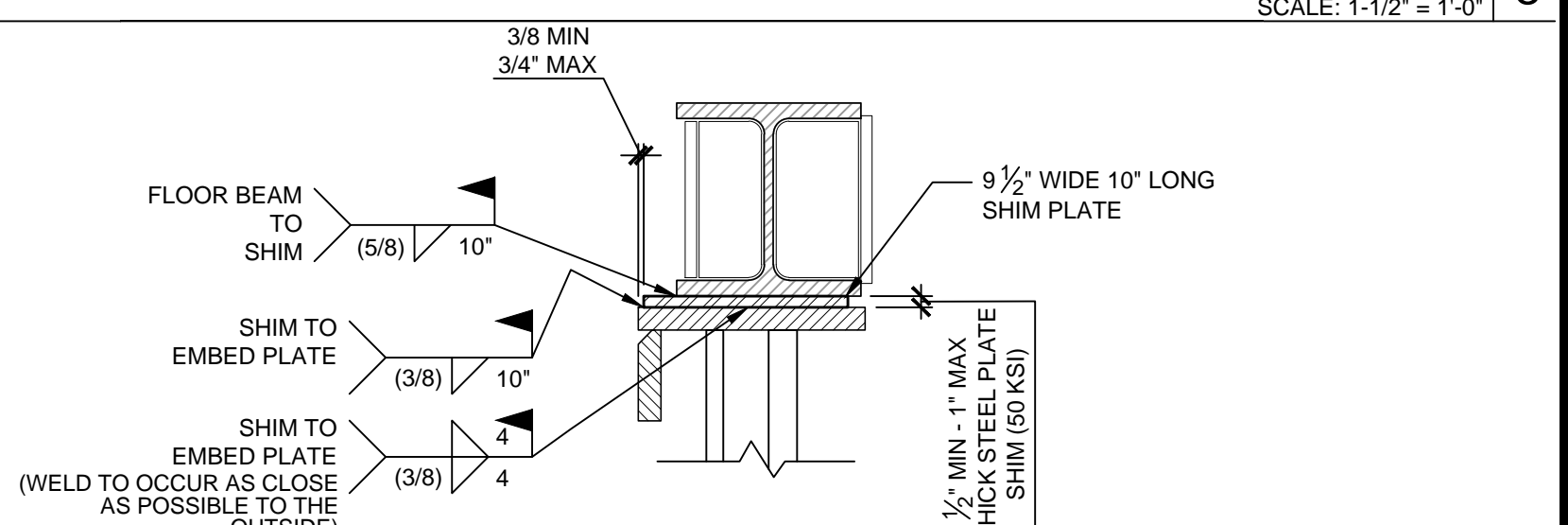
BASE PLATE CONNECTION DETAIL @ MODLINE SCALE: 1-1/2" = 1'-0" 7



BASE PLATE AND CONNECTION DETAIL @ FLOOR BEAM SCALE: 1-1/2" = 1'-0" 8



TYP. NAILER DETAIL SCALE: 1-1/2" = 1'-0" 5



OPTIONAL SHIMS @ BASE PLATE SCALE: 1-1/2" = 1'-0" 9

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APP: 03-121419 INC:
REVIEWED FOR
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DATE: 09/29/2021

AMS
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787 Spreckels Ave.,
Manteca, CA 95336
Phone (209) 825-1921
Fax (209) 825-7018
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SET NAME

(1) 144'x40' 2 STORY
CLASSROOM BUILDINGS

SITE SPECIFIC PROJECT NAME
GLENDALE USD
MONTE VISTA
ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC

LICENSED ARCHITECT
PATRICIA CANNON
No. C12631
Ren. 3-31-23
STATE OF CALIFORNIA
REGISTERED PROFESSIONAL
MANNY D. FRIEDL
No. 53380
STRUCTURAL
STATE OF CALIFORNIA

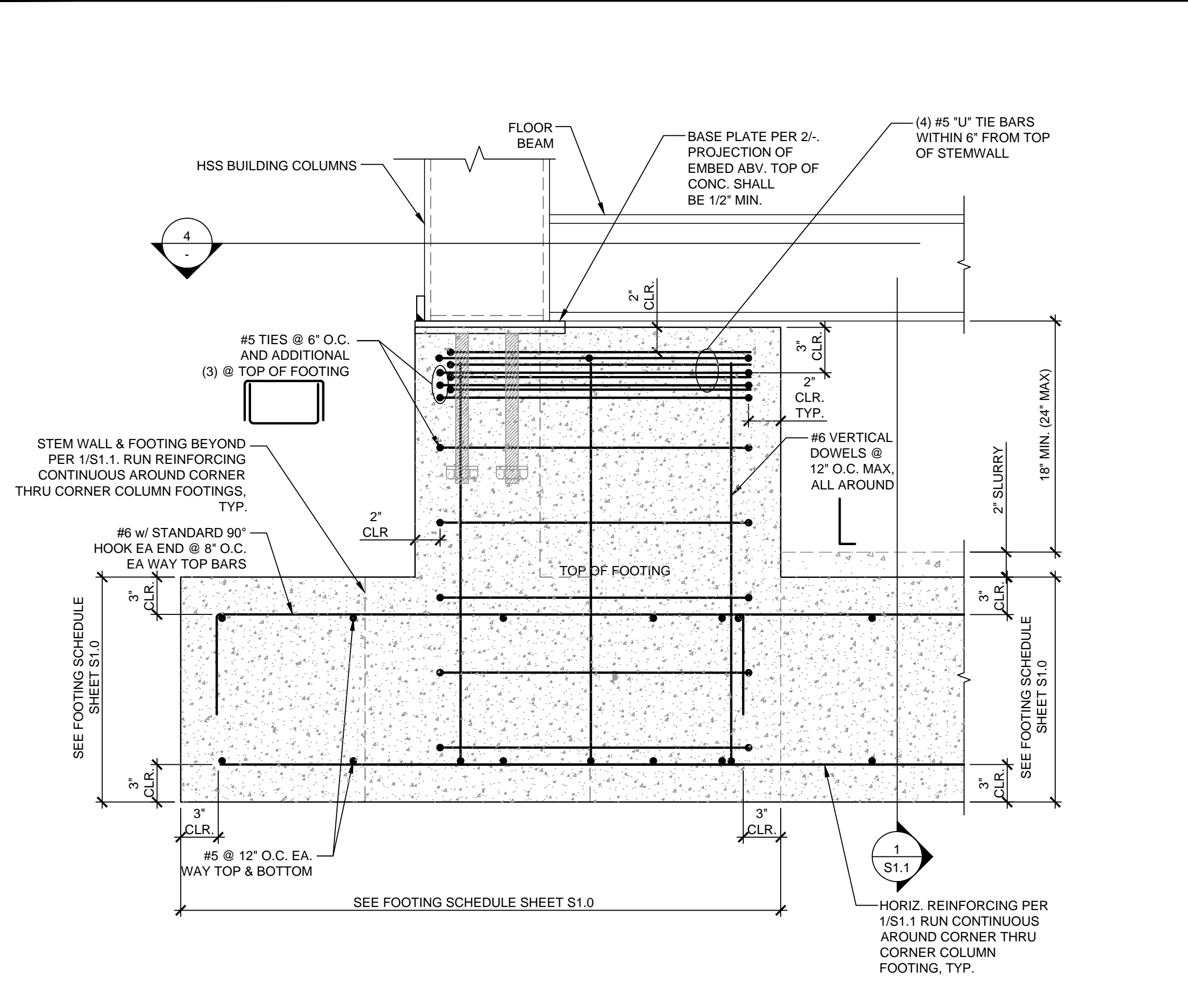
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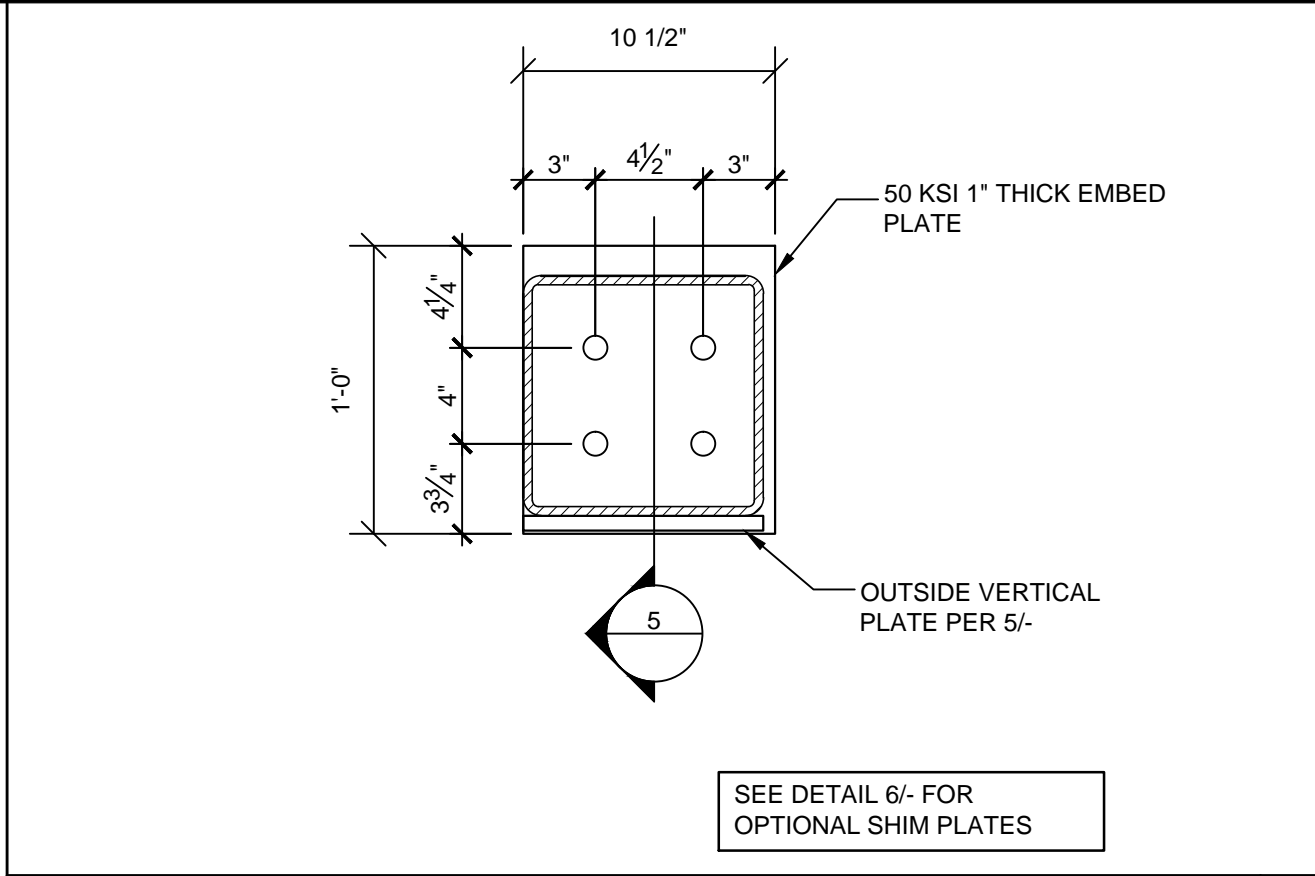
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PROJECT NO: 1614-20
SHEET TITLE:

FOUNDATION
DETAILS
SHEET NUMBER:

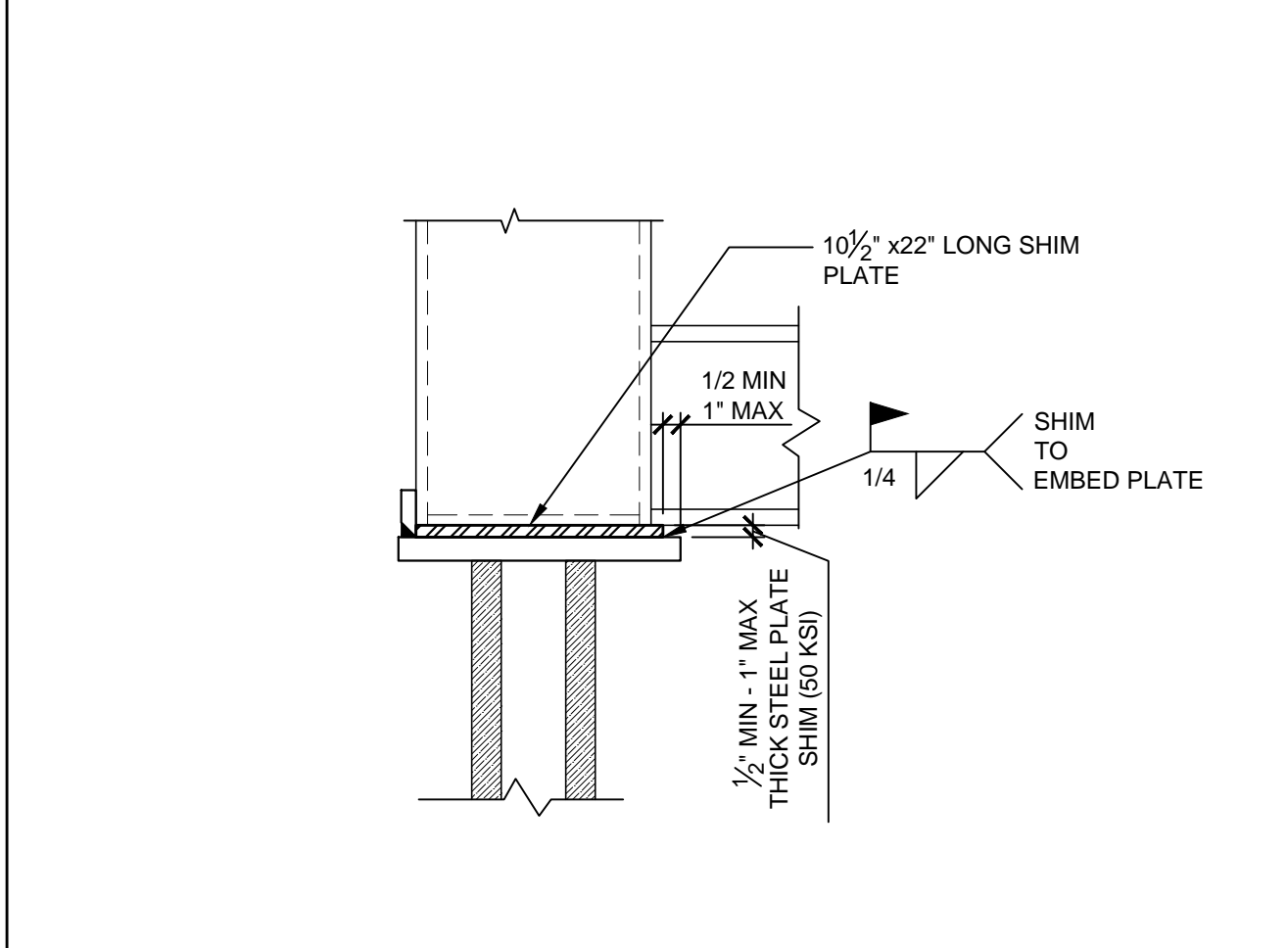
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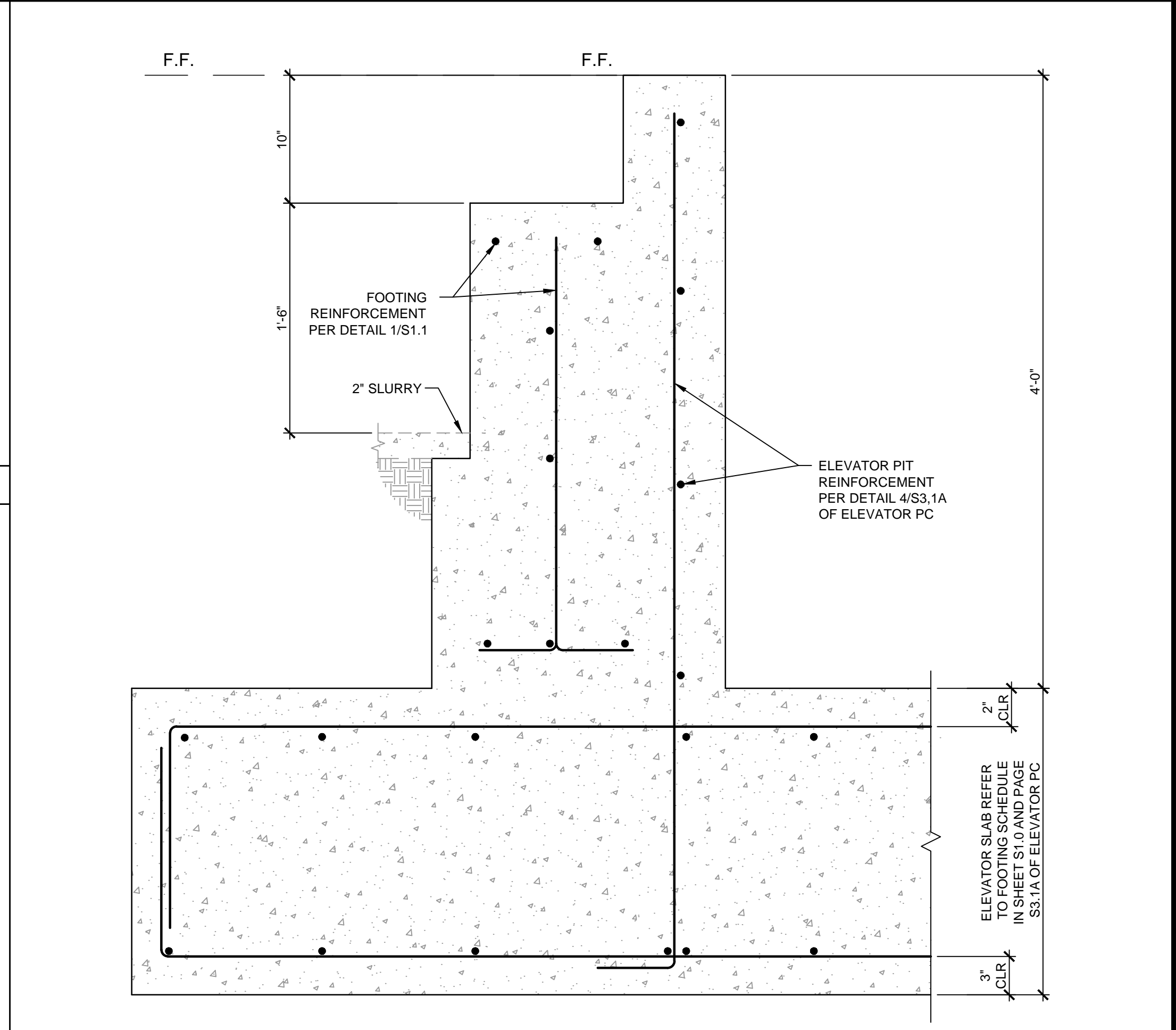
CORNER FOOTING DETAIL 1 SCALE: 1-1/2" = 1'-0"



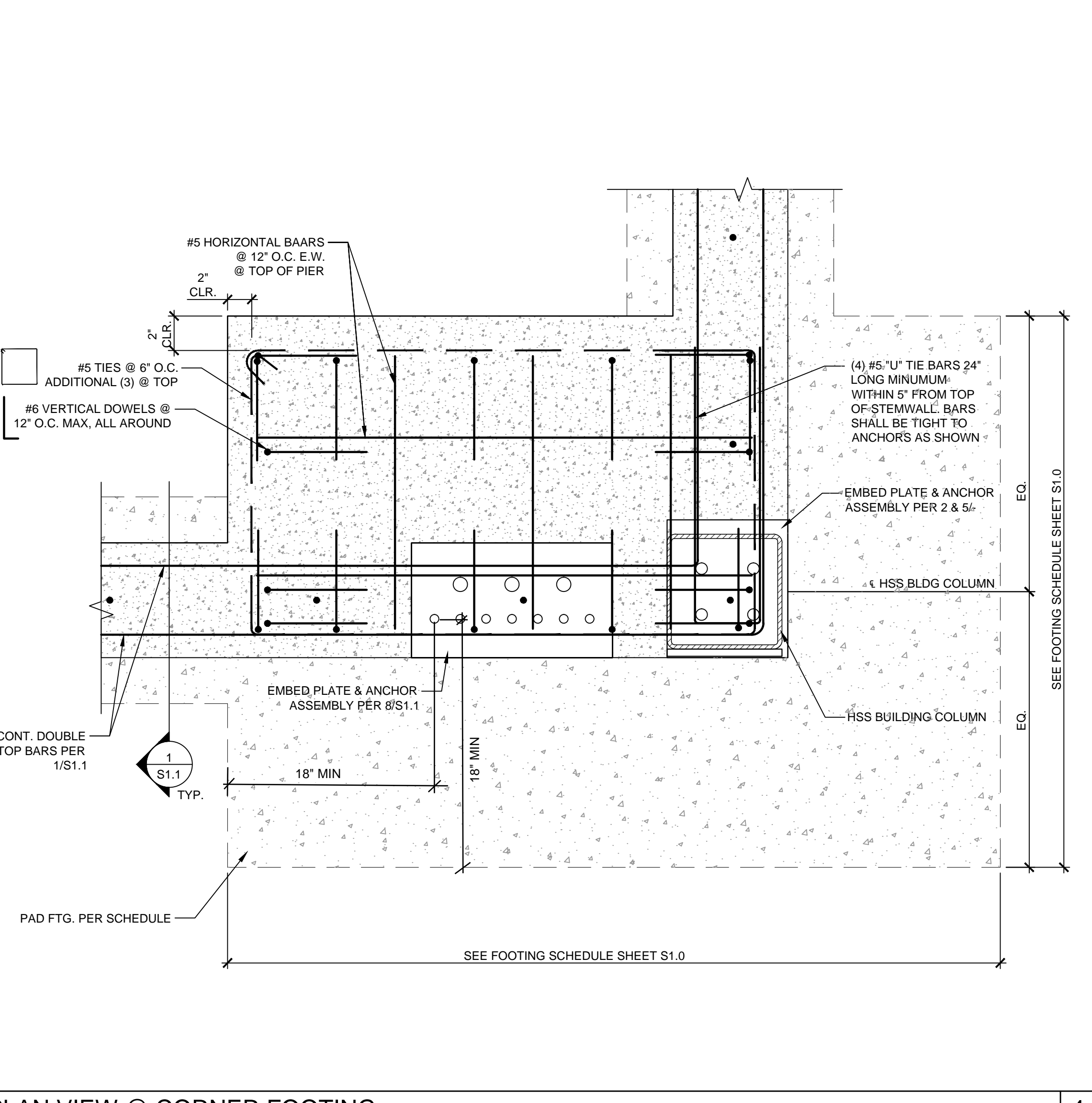
CORNER FOOTING ANCHORAGE PLAN DETAIL 2 SCALE: 1-1/2" = 1'-0"



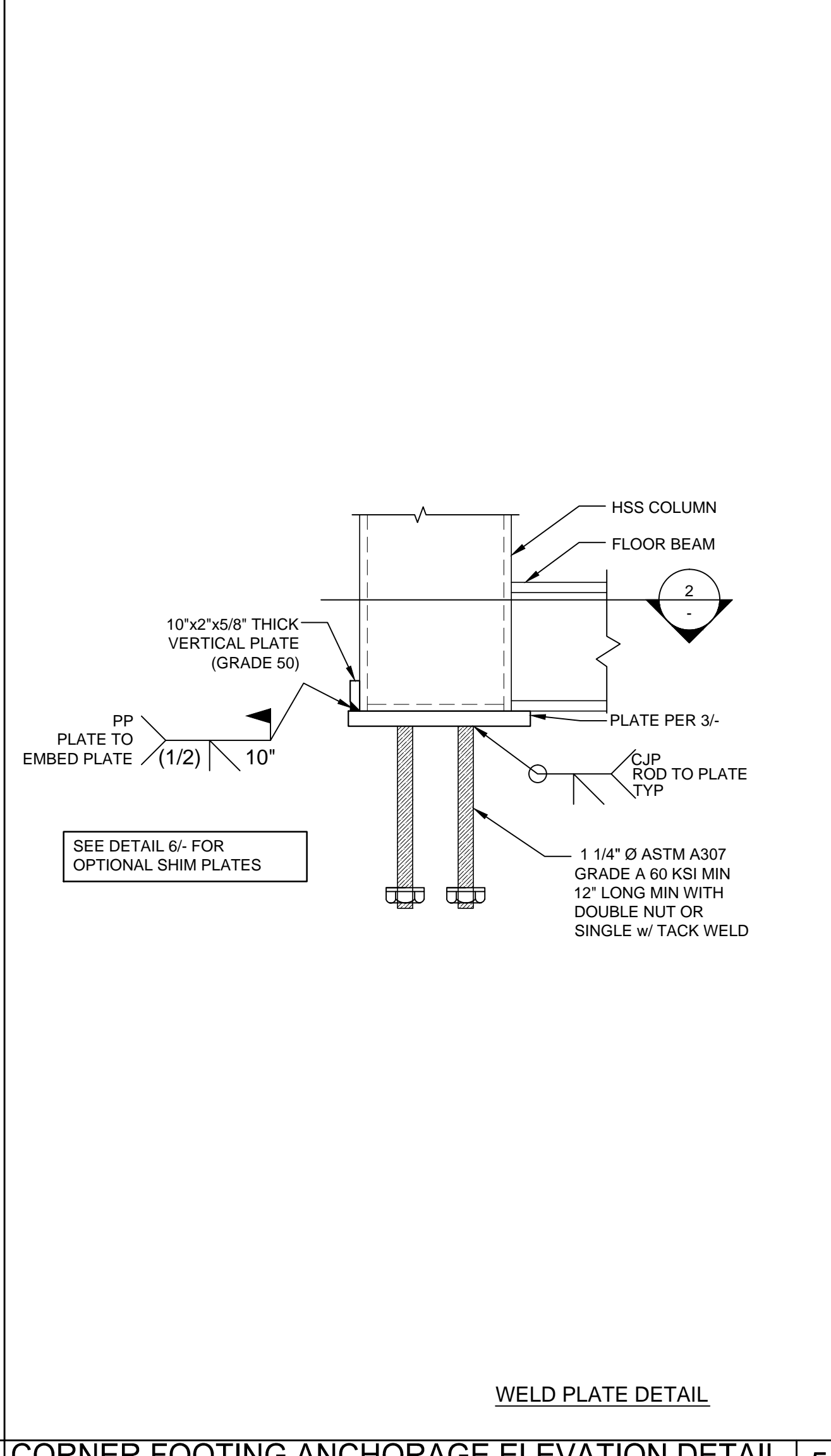
OPTIONAL SHIMS @ MODLINE & COMBINED FOOTING ANCHORAGE 3 SCALE: 1-1/2" = 1'-0"



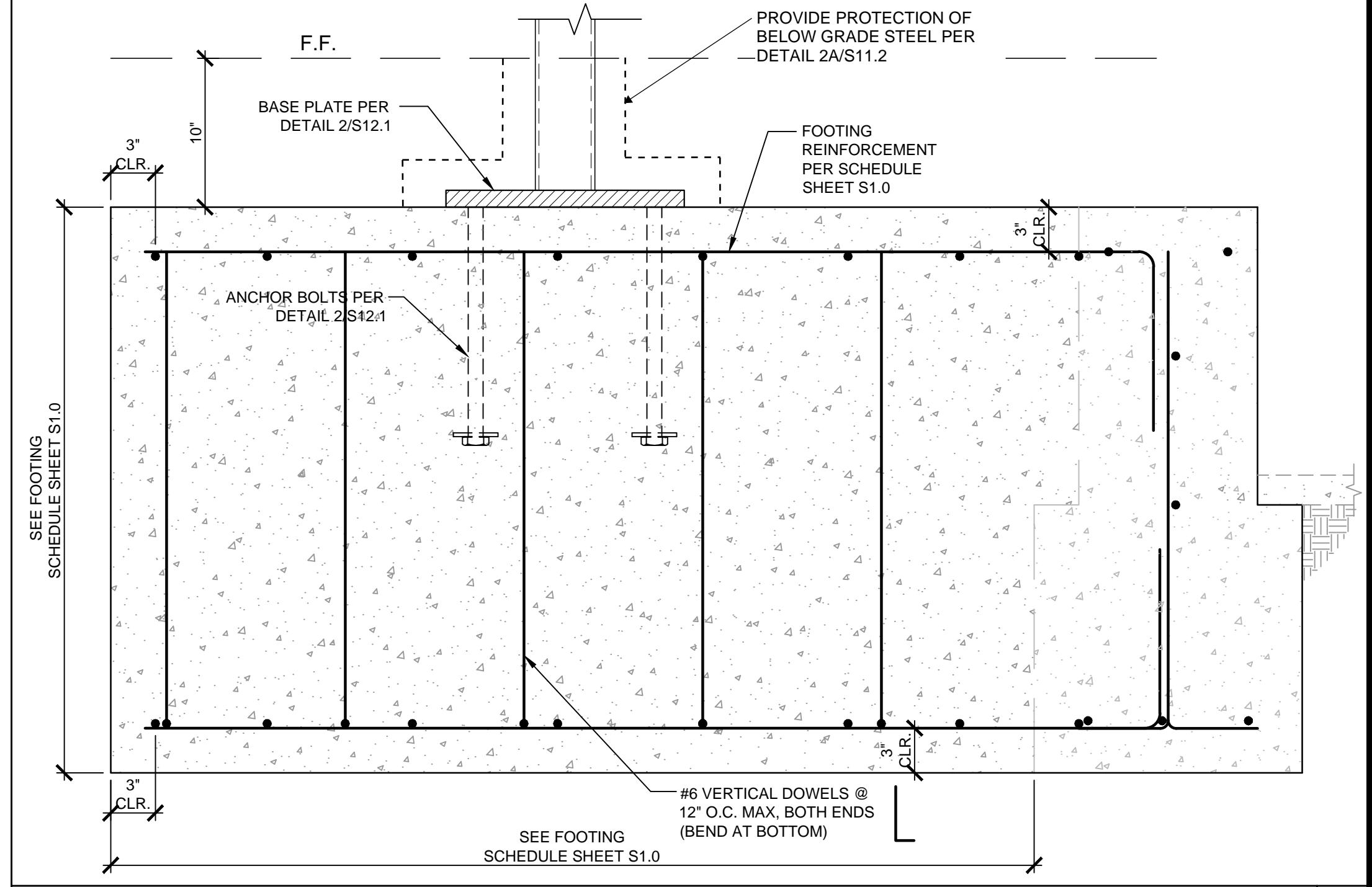
FOOTING SECTION 3A SCALE: 1-1/2" = 1'-0"



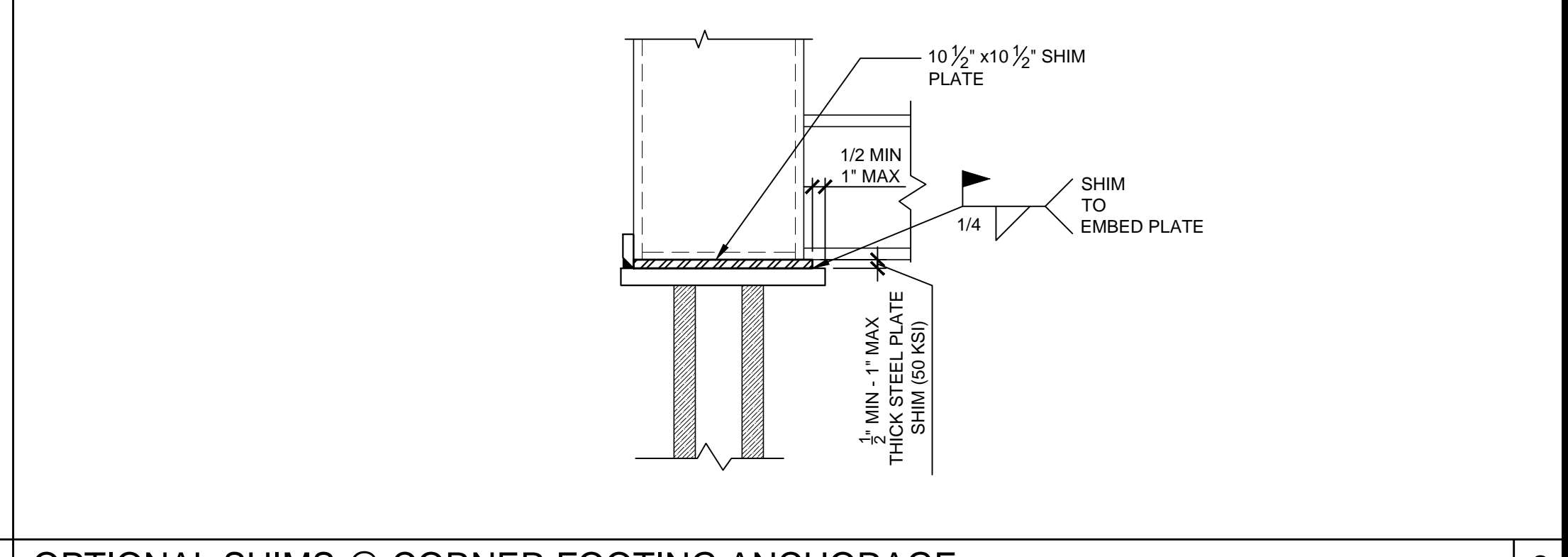
PLAN VIEW @ CORNER FOOTING 4 SCALE: 1-1/2" = 1'-0"



CORNER FOOTING ANCHORAGE ELEVATION DETAIL 5 SCALE: 1-1/2" = 1'-0"



FOOTING SECTION 5A SCALE: 1-1/2" = 1'-0"



OPTIONAL SHIMS @ CORNER FOOTING ANCHORAGE 6 SCALE: 1-1/2" = 1'-0"

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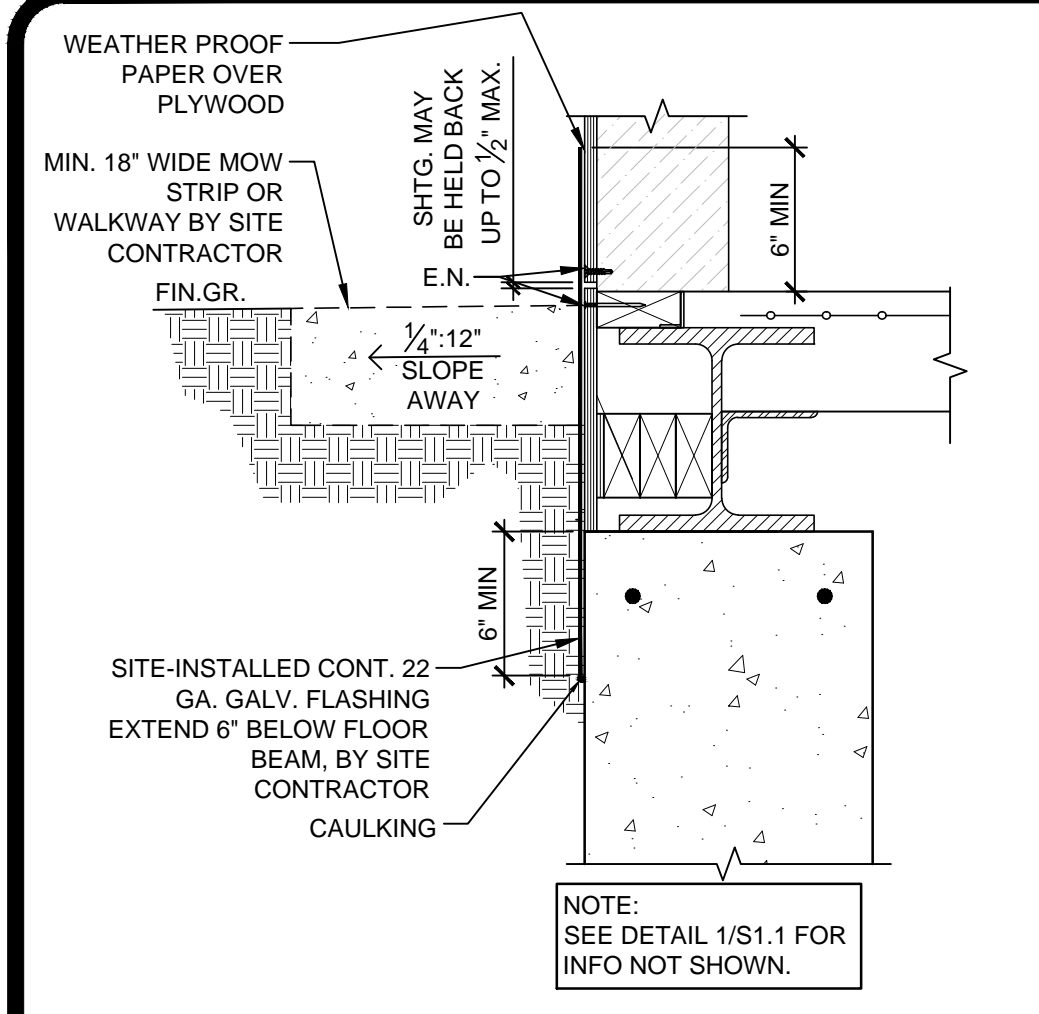
MANUFACTURER PROFESSIONAL OF RECORD ON PC
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09/20/2021
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REVISIONS

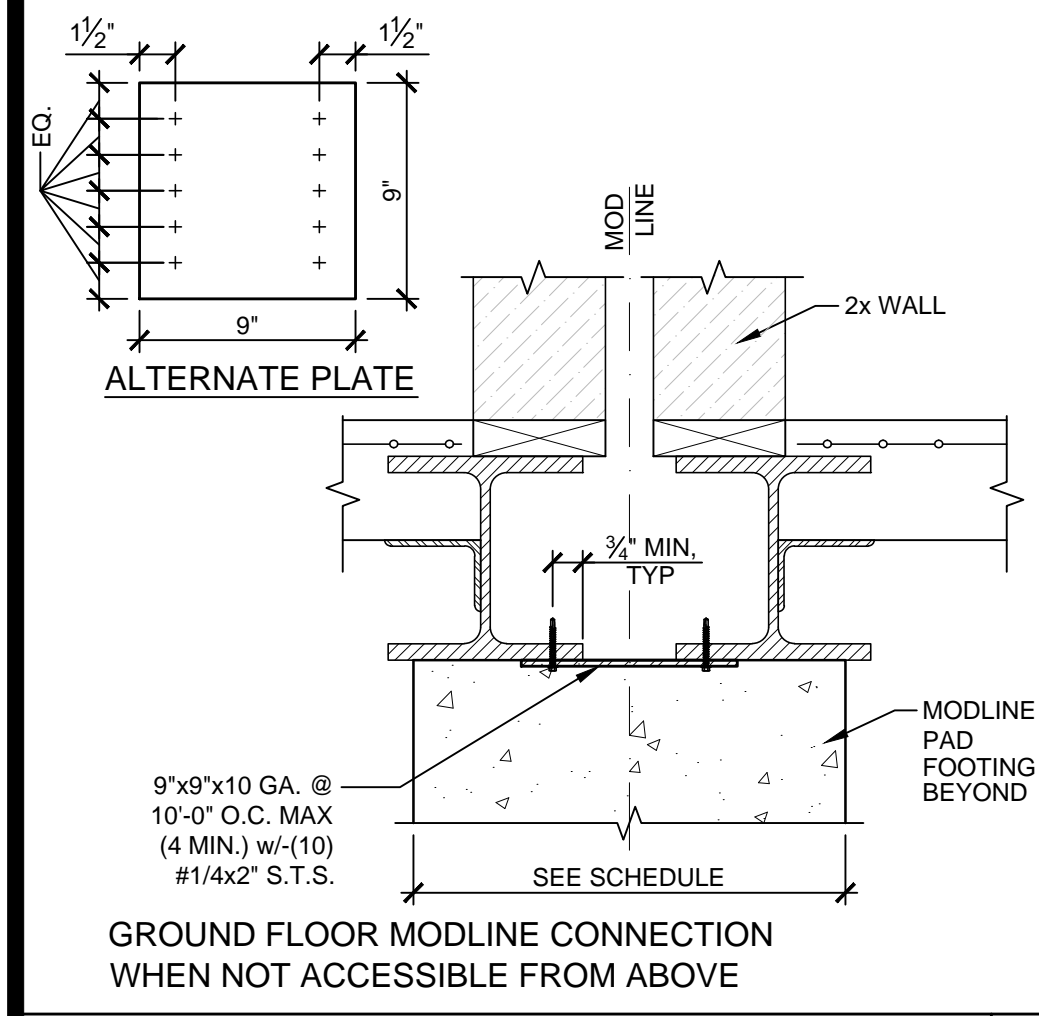
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DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE:

FOUNDATION DETAILS

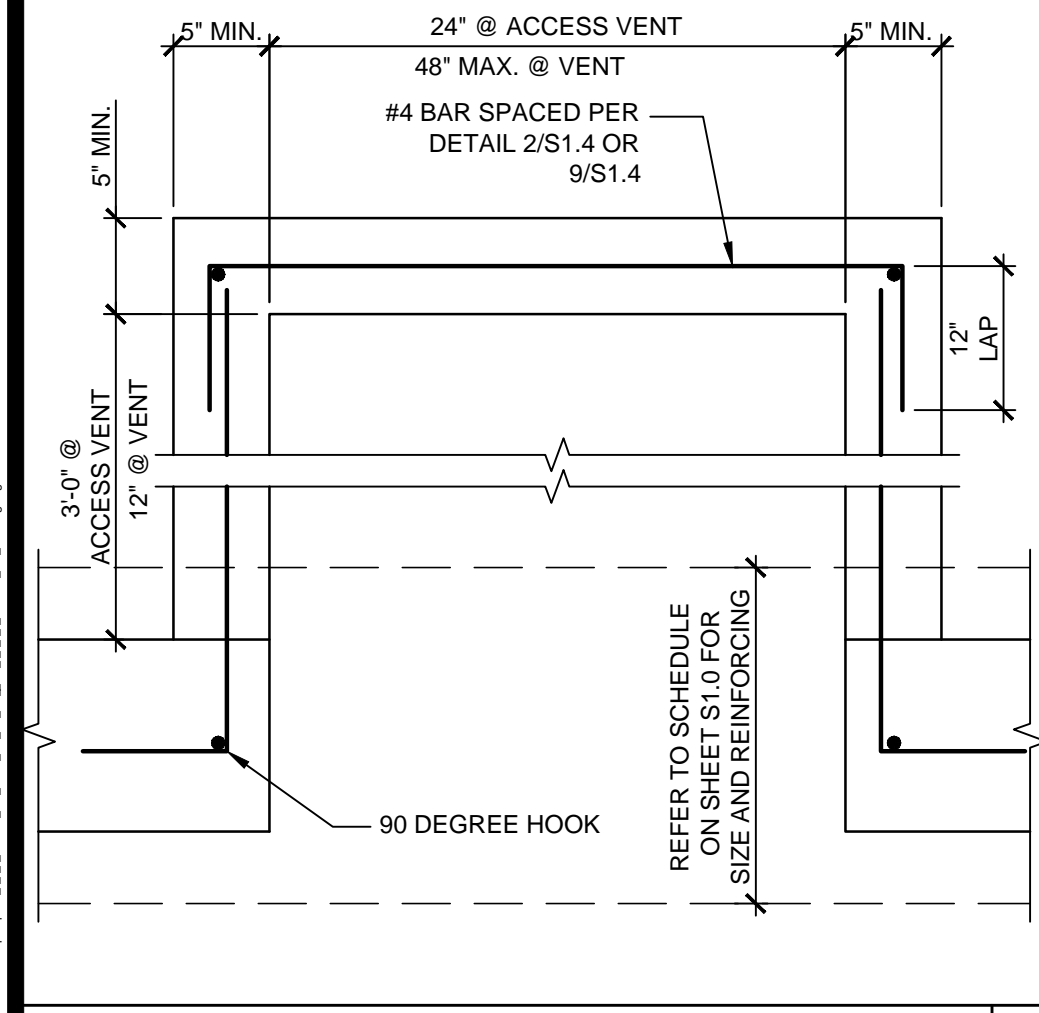
SHEET NUMBER:
S1.2



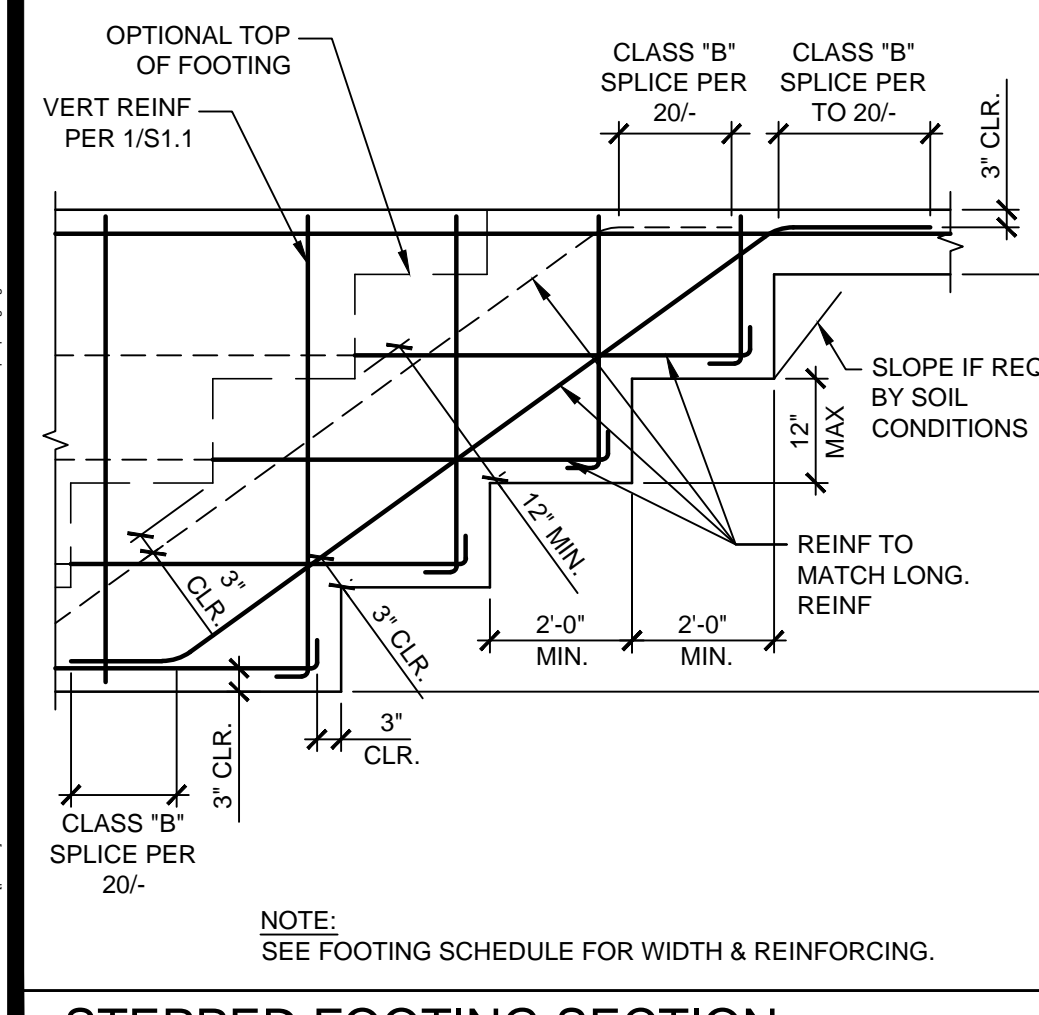
TYP. FLASHING DETAIL SCALE: 1-1/2" = 1'-0" 1



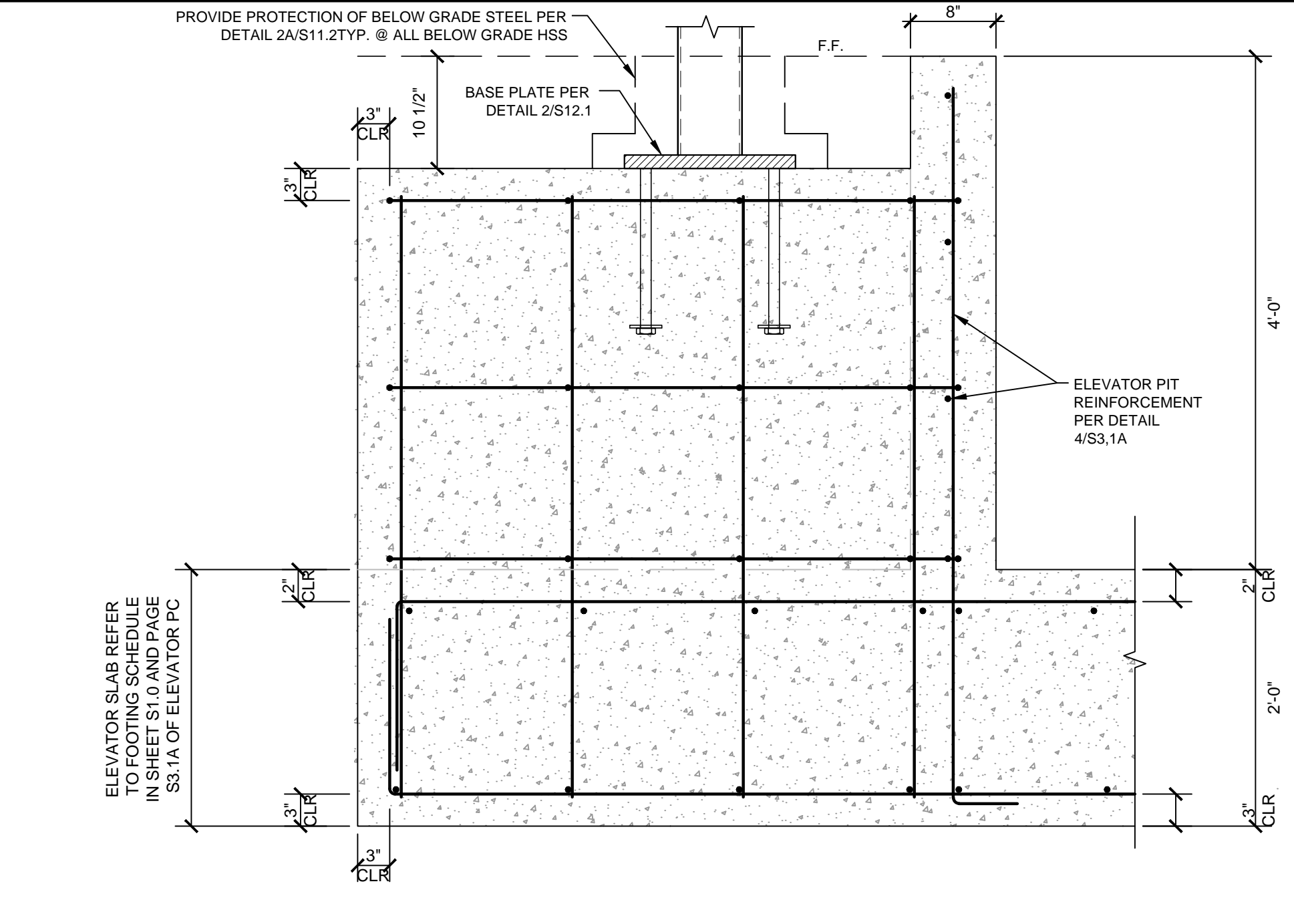
GROUND FLOOR MODLINE CONNECTION WHEN NOT ACCESSIBLE FROM ABOVE SCALE: 1-1/2" = 1'-0" 6



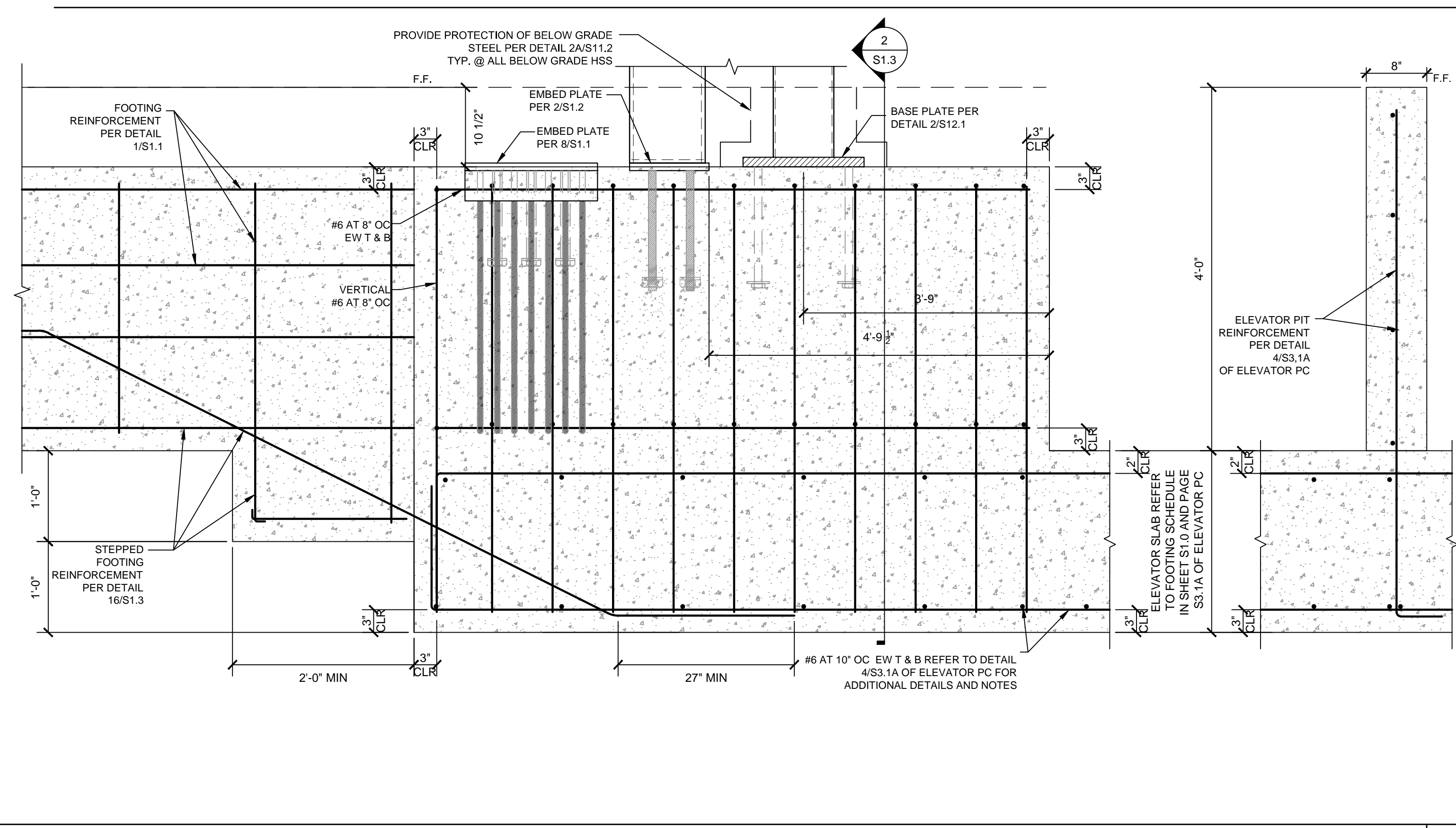
REBAR PLAN @ ACCESS/VENT SCALE: 1-1/2" = 1'-0" 11



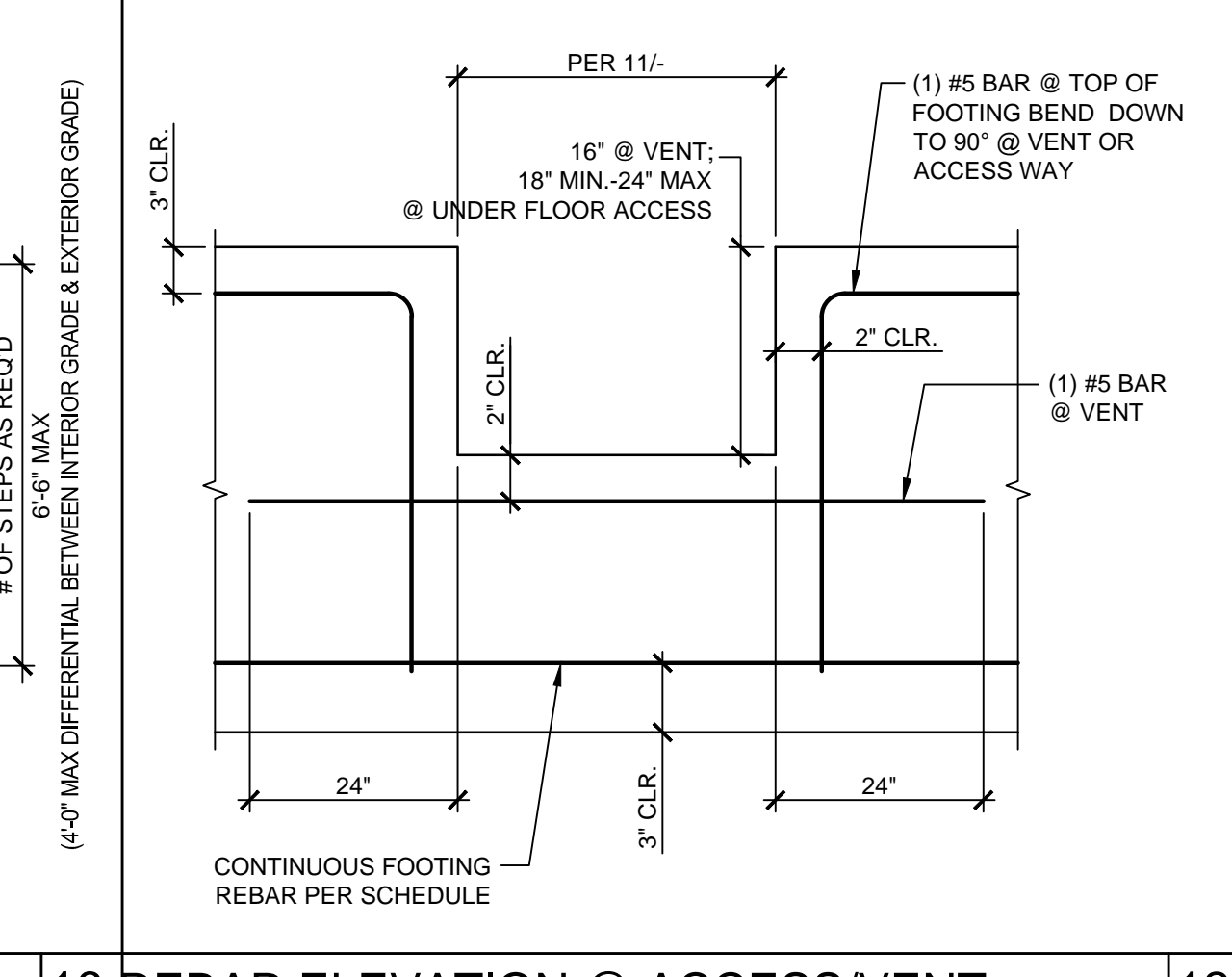
STEPPED FOOTING SECTION N.T.S.



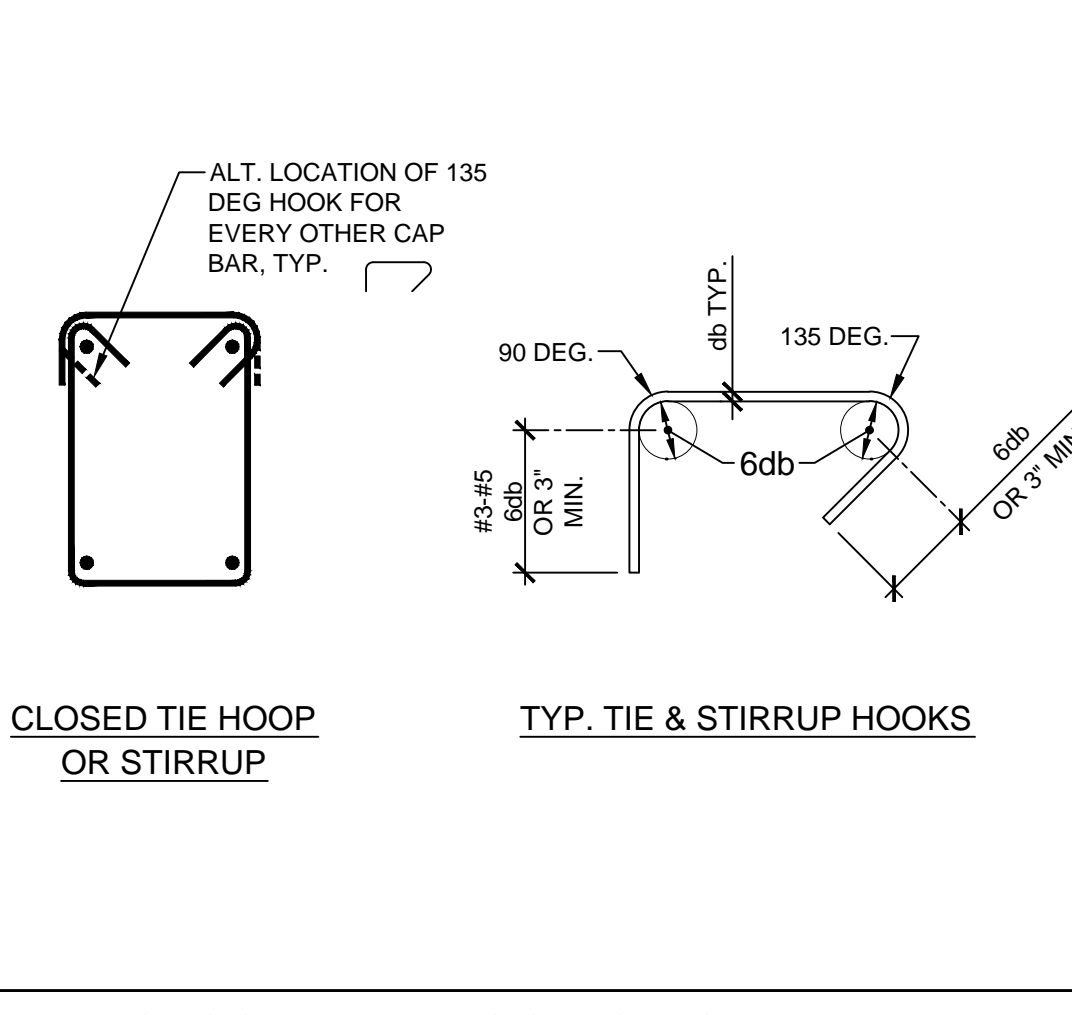
FOOTING SECTION SCALE: 1" = 1'-0" 2



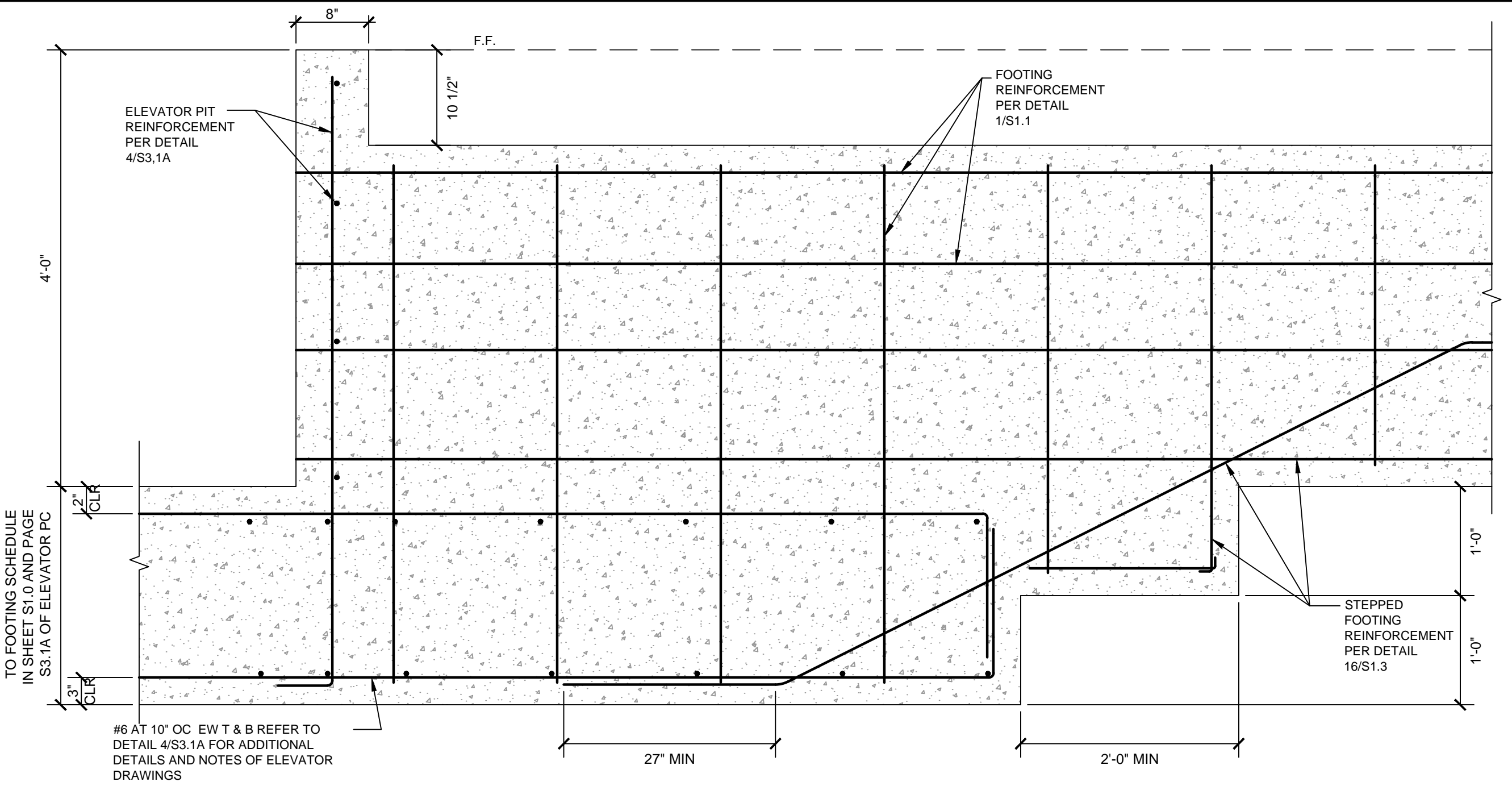
FOOTING SECTION SCALE: 1" = 1'-0" 4



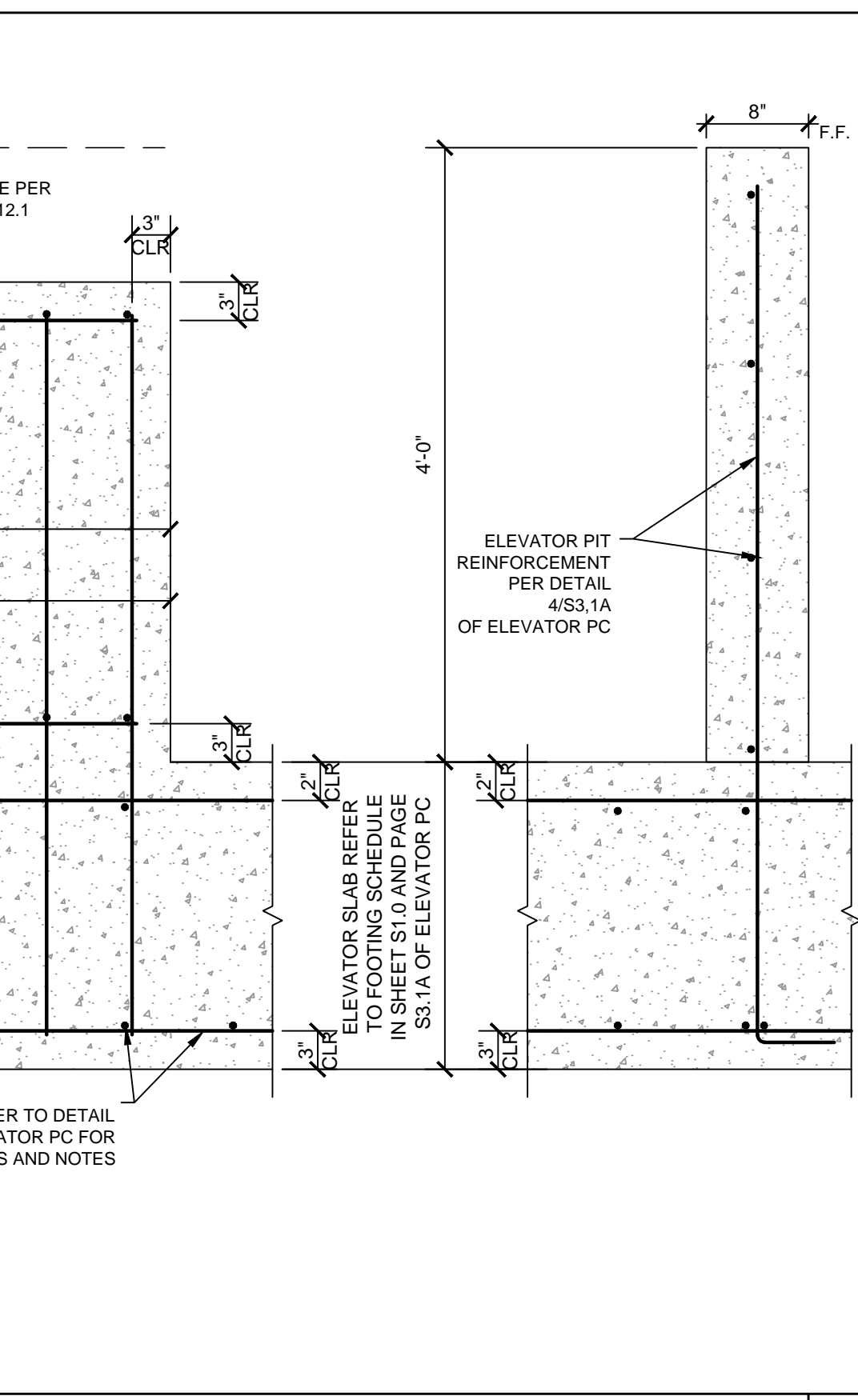
REBAR ELEVATION @ ACCESS/VENT N.T.S. 16



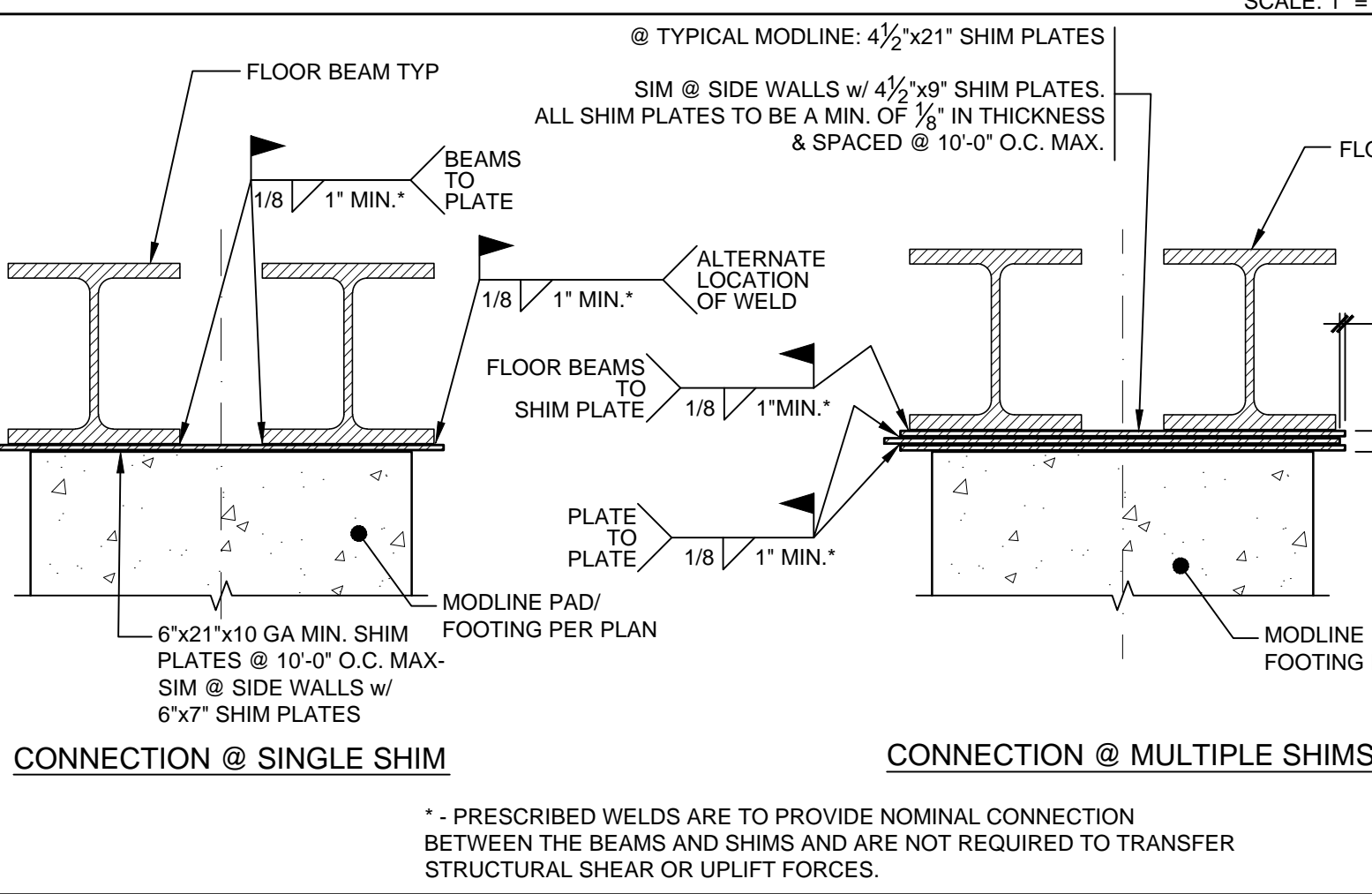
TYP. CLOSED TIE HOOP OR STIRRUP N.T.S. 12



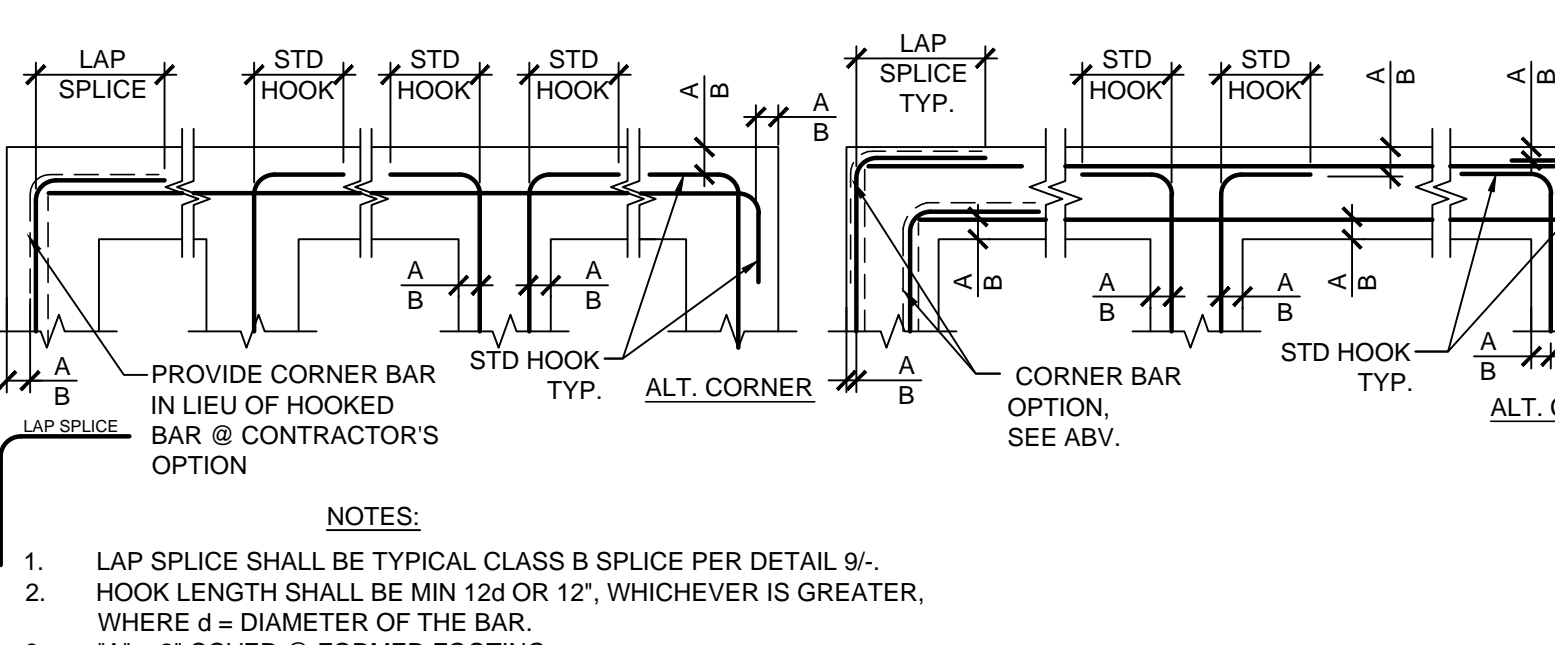
REINFORCEMENT BARS SPLICES & BENDS AND BAR LAP SCHEDULE SCALE: 1" = 1'-0" 13



SHIM PLATES @ FLOOR BEAMS SCALE: 1-1/2" = 1'-0" 5



CONNECTION @ SINGLE SHIM CONNECTION @ MULTIPLE SHIMS SCALE: 1-1/2" = 1'-0" 5



REINFORCEMENT BARS SPLICES & BENDS AND BAR LAP SCHEDULE SCALE: 1-1/2" = 1'-0" 13

DEVELOPMENT LENGTH³

BAR SIZE #	3000 PSI			3500 PSI			4000 PSI		
	TOP ¹ (IN)	BOTTO M (IN)	(IN)	TOP ¹ (IN)	BOTTO M (IN)	(IN)	TOP ¹ (IN)	BOTTO M (IN)	(IN)
3	13	12	12	21	16	20	16	20	16
4	17	16	15	28	22	26	20	24	19
5	21	20	18	35	27	33	25	30	24
6	25	23	22	42	32	39	30	36	28

TYPICAL CLASS B LAP SPLICE LENGTH⁴

BAR SIZE #	3000 PSI			3500 PSI			4000 PSI		
	TOP ¹ (IN)	BOTTO M (IN)	(IN)	TOP ¹ (IN)	BOTTO M (IN)	(IN)	TOP ¹ (IN)	BOTTO M (IN)	(IN)
3	13	12	12	21	16	20	16	20	16
4	17	16	15	28	22	26	20	24	19
5	21	20	18	35	27	33	25	30	24
6	25	23	22	42	32	39	30	36	28

NOTES:
 1. THE ABOVE TABLE IS BASED ON GRADE 60 STEEL.
 2. TOP BARS ARE ANY BARS WITH MORE THAN 12" OF CONCRETE PLACED BELOW.
 3. DEVELOPMENT LENGTH IS CALCULATED FOR TYP. BARS - $\psi = 1.0$
 4. LAP SPLICES IN ADJACENT BARS SHALL BE STAGGERED, UNLESS OTHERWISE NOTED.

REINFORCEMENT BARS SPLICES & BENDS AND BAR LAP SCHEDULE SCALE: 1-1/2" = 1'-0" 13

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 DIV. OF THE STATE ARCHITECT
 APP: 03-121419 INC.
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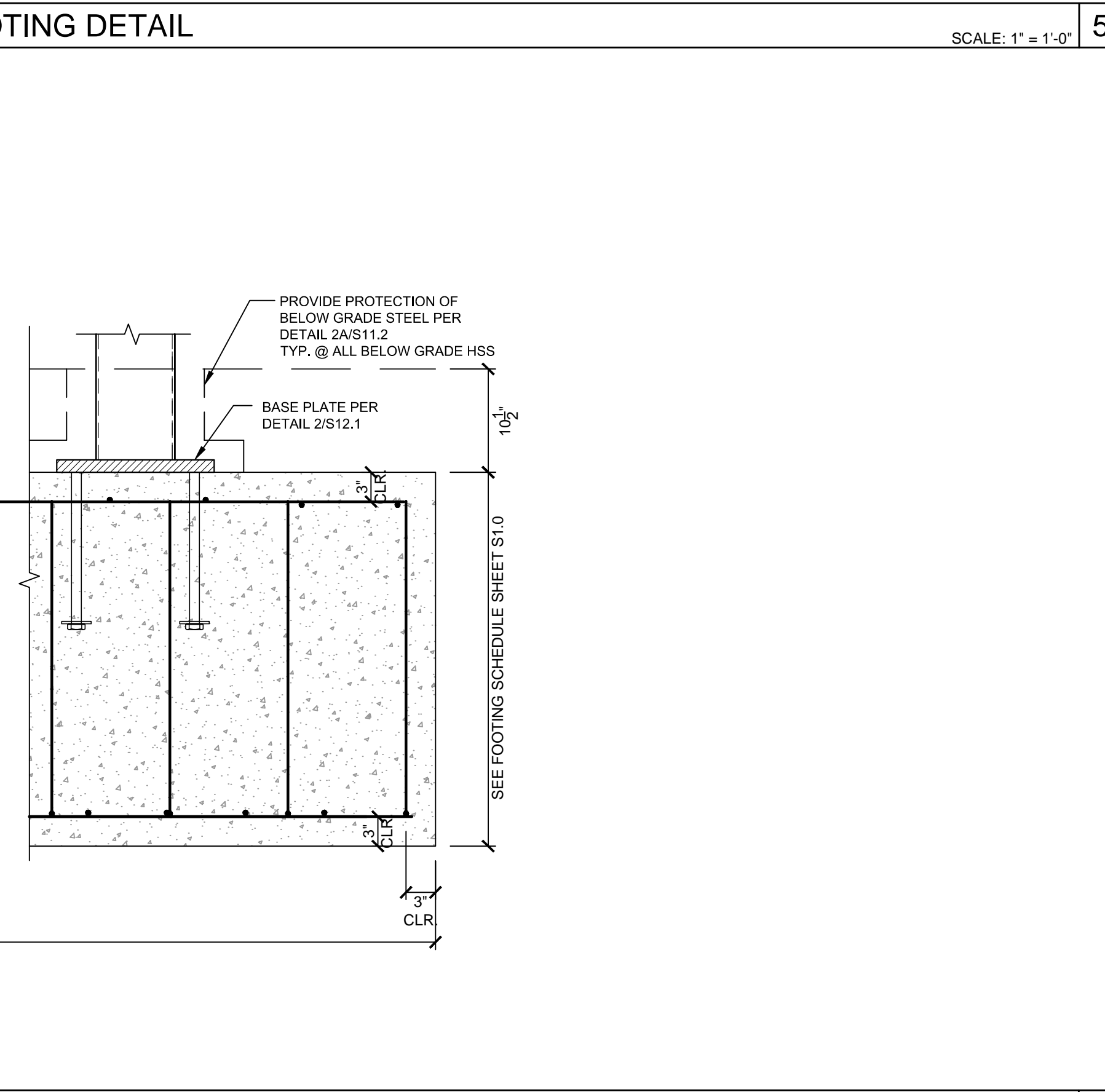
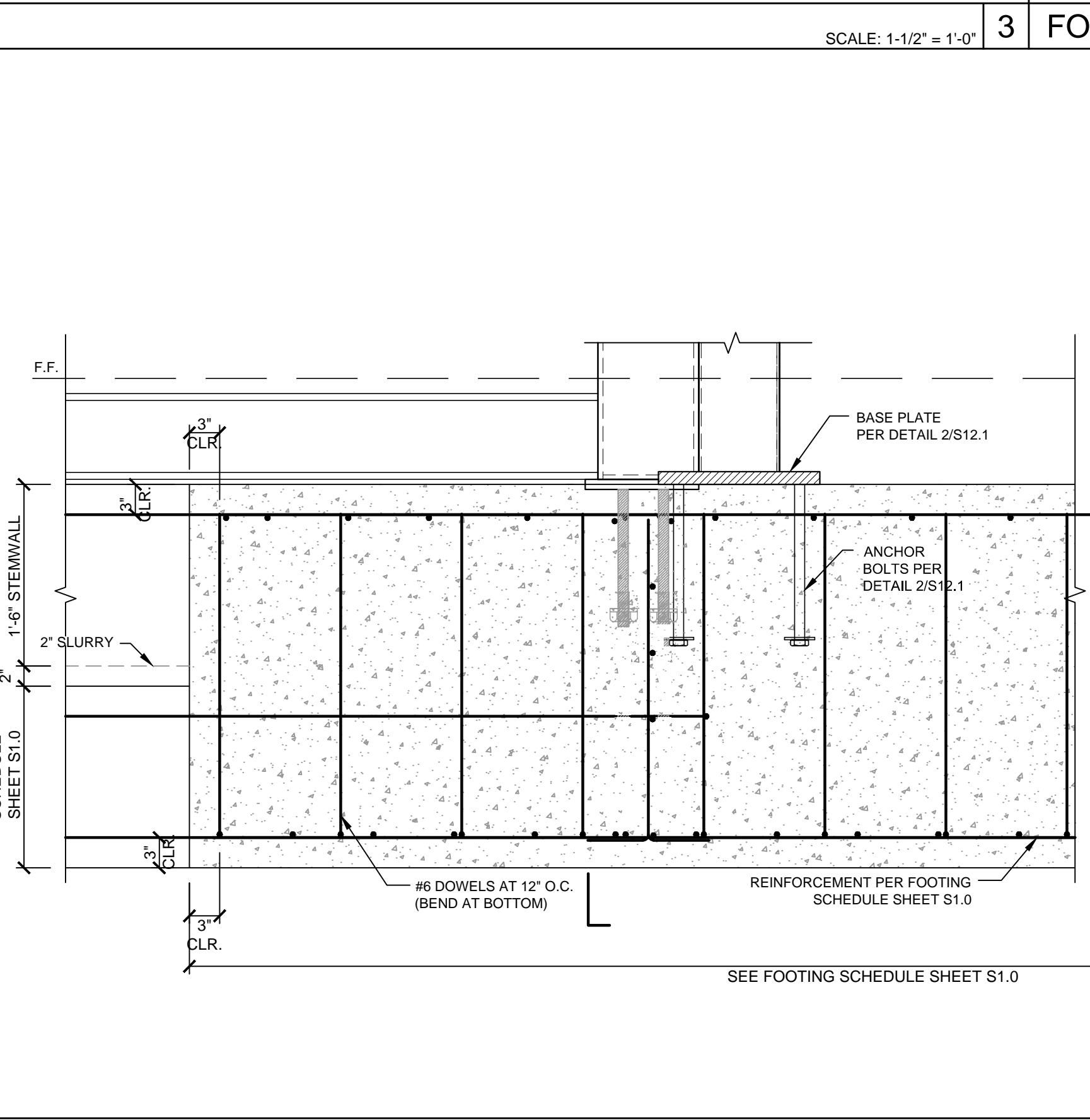
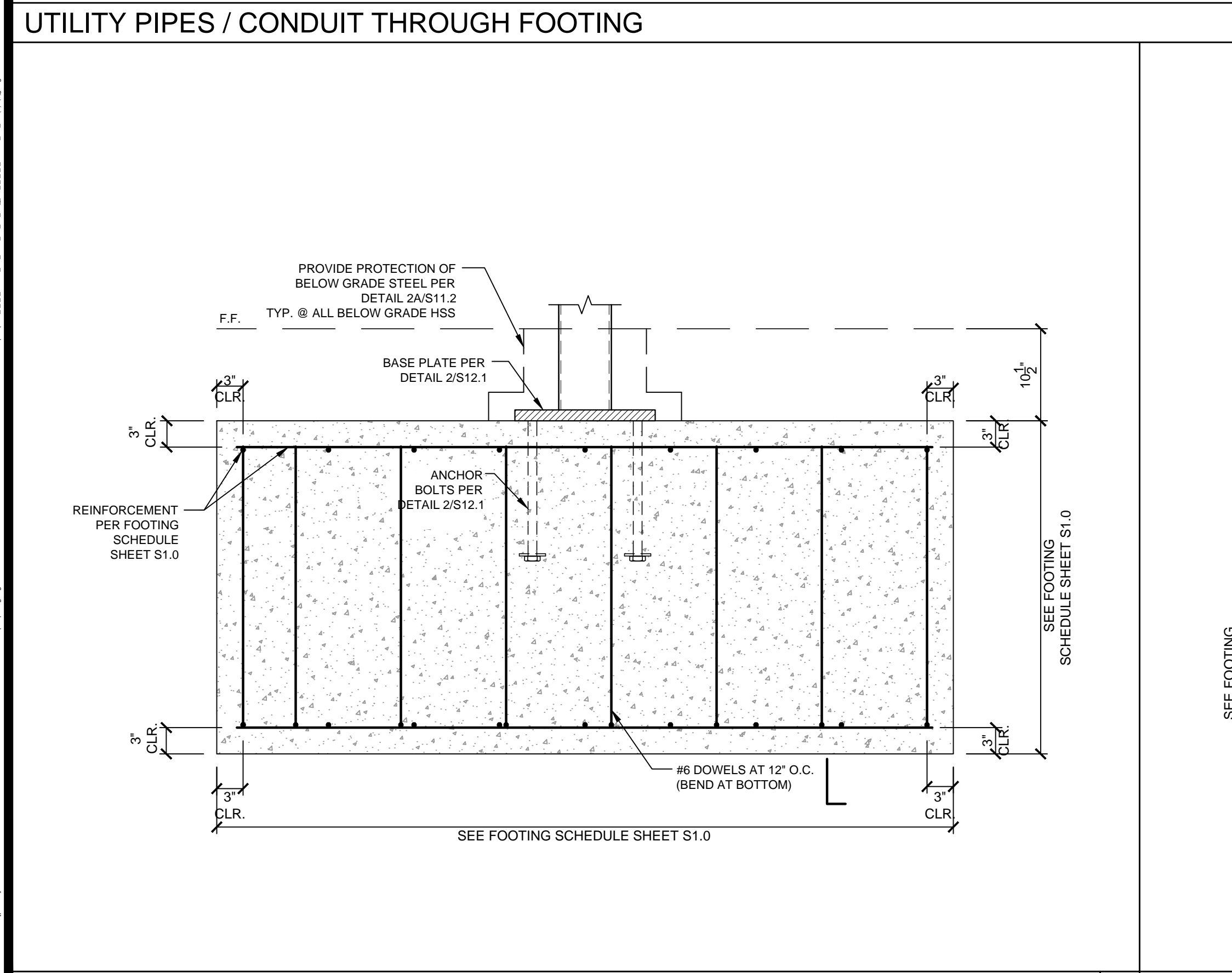
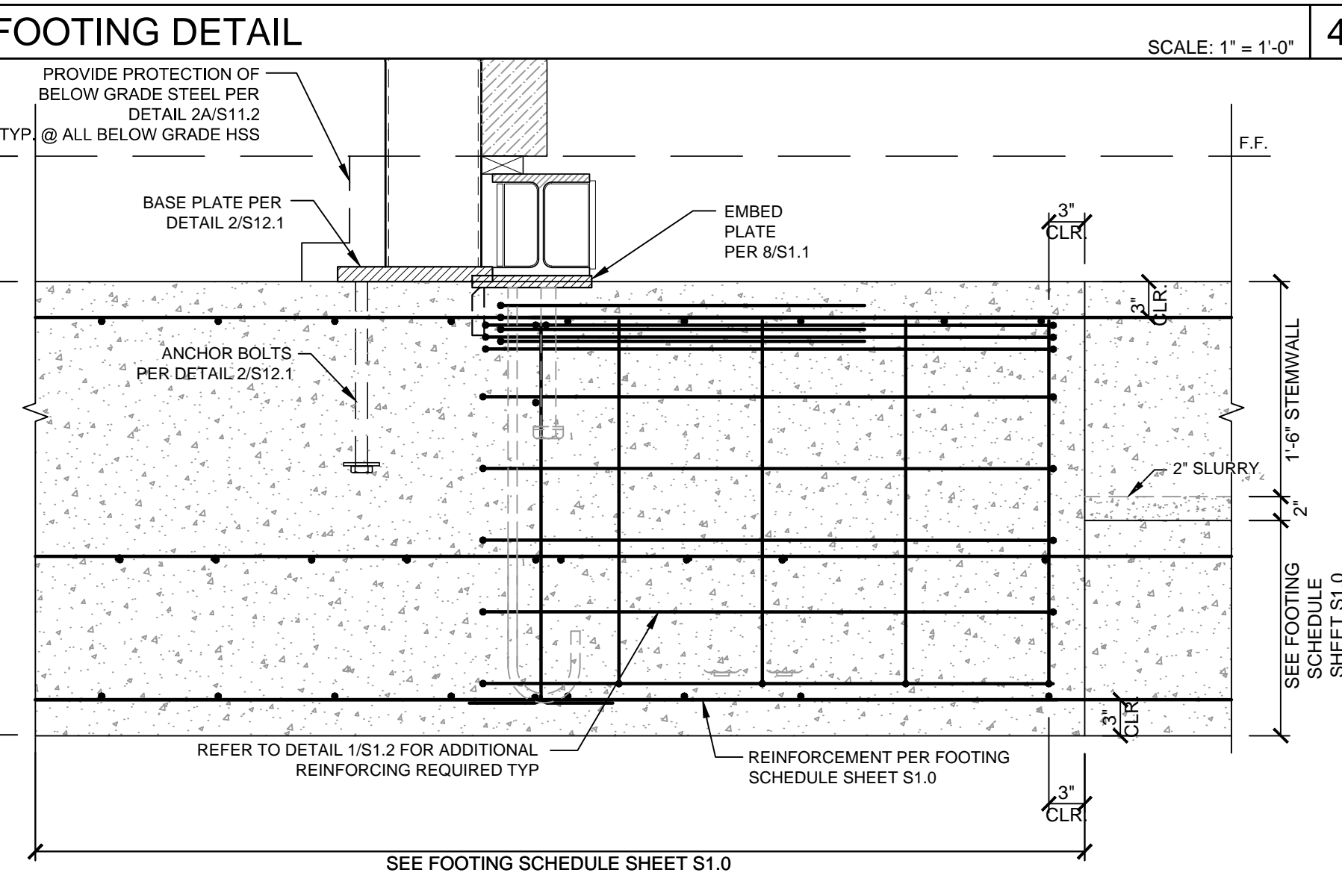
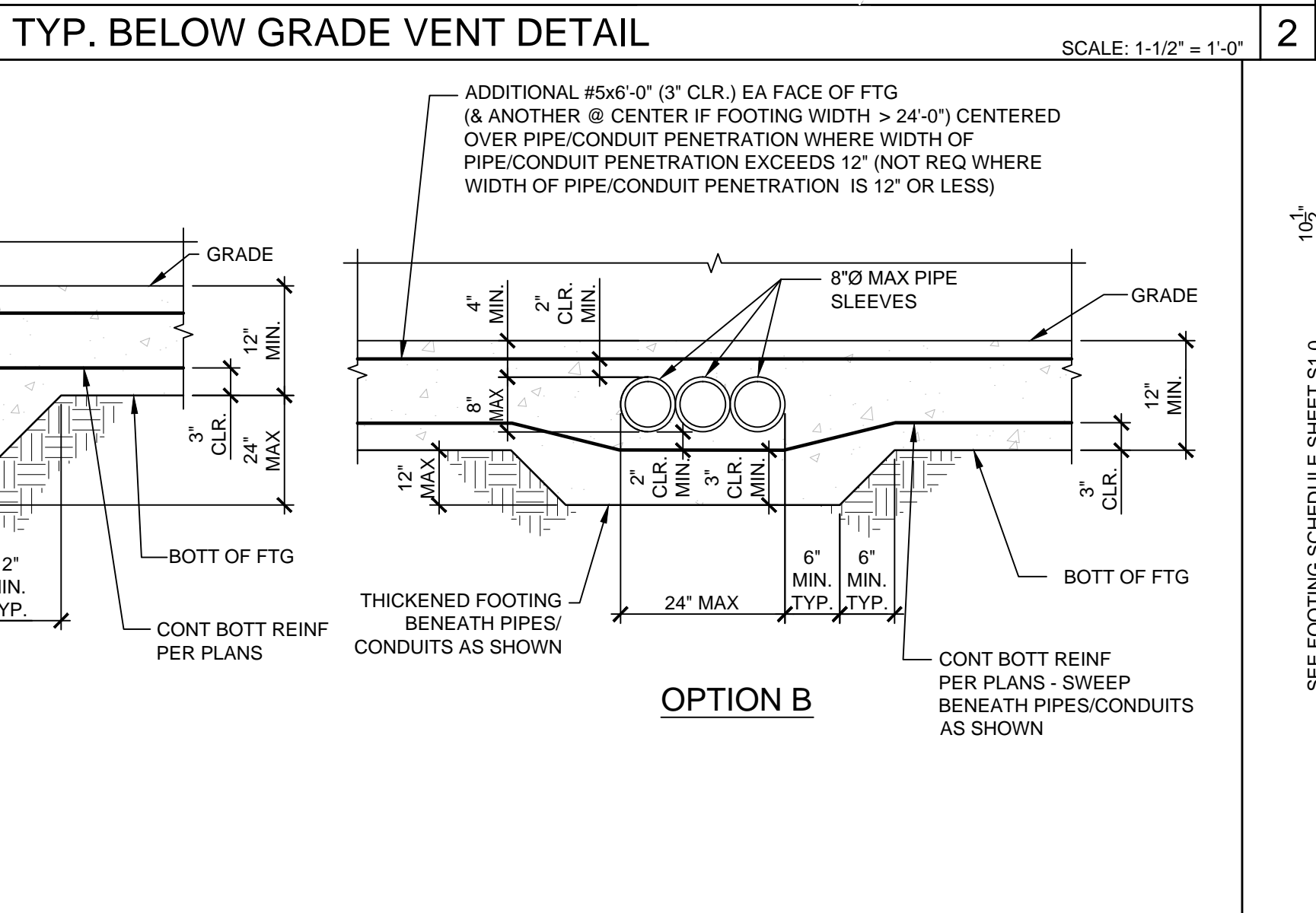
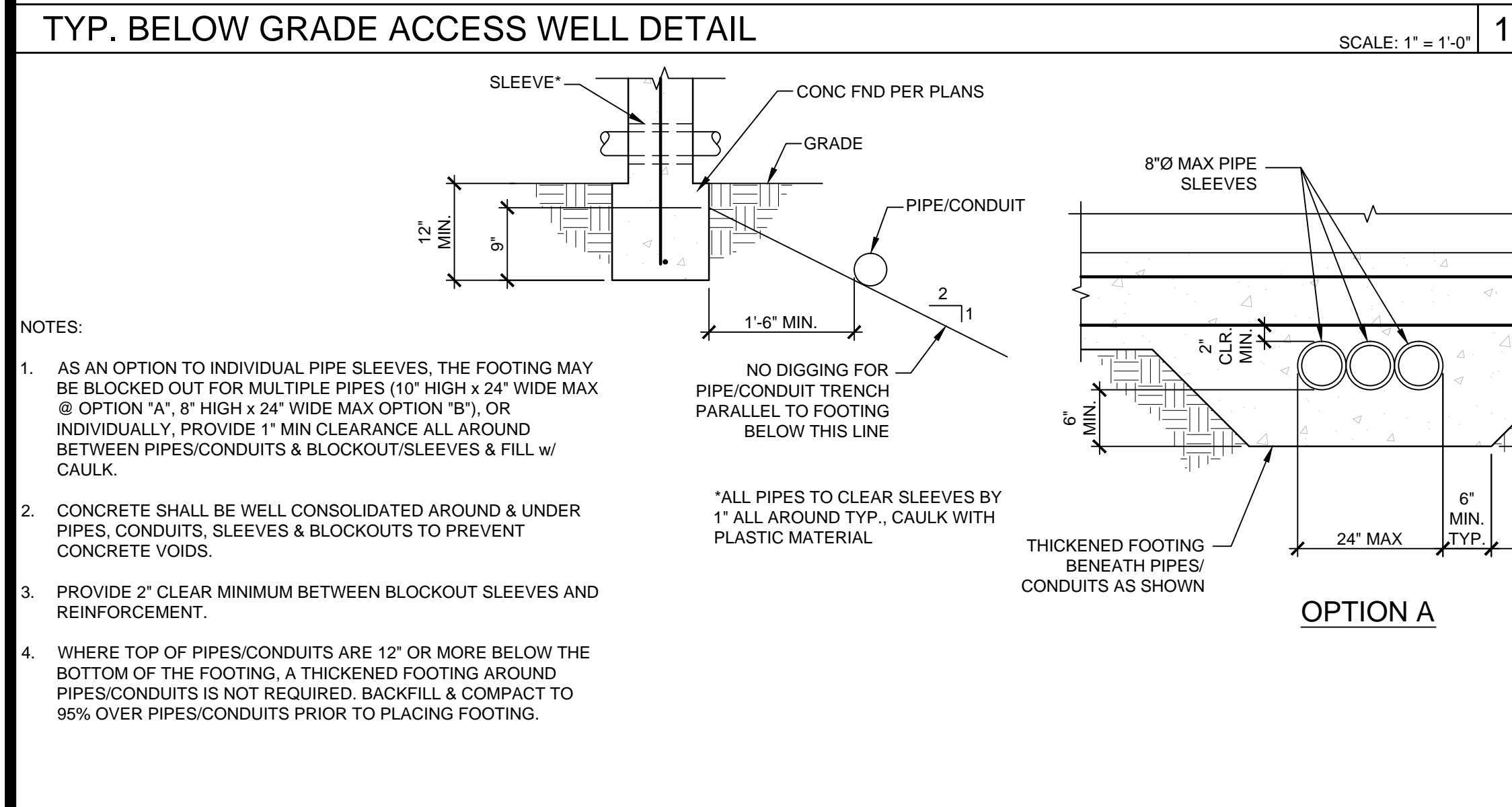
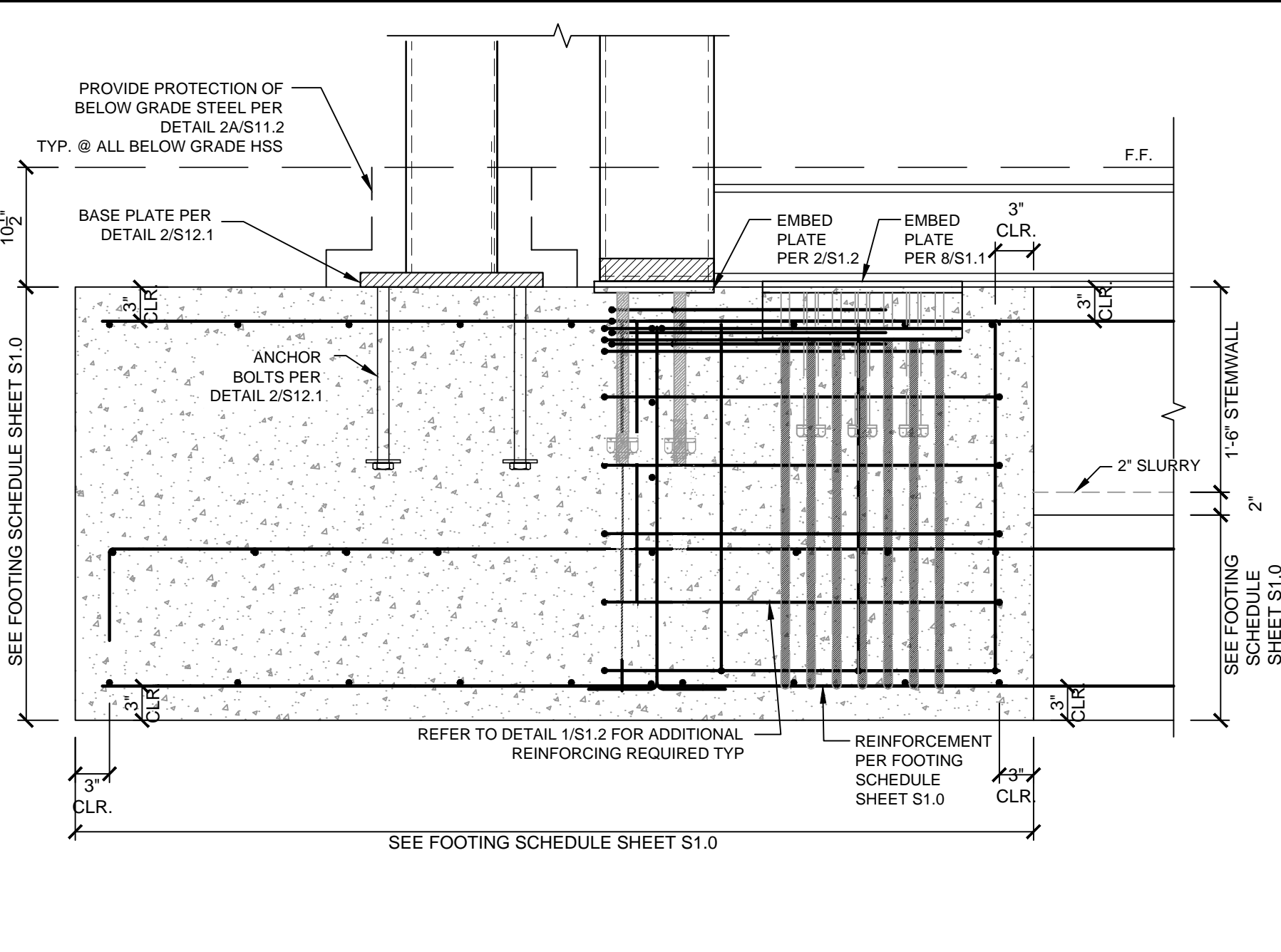
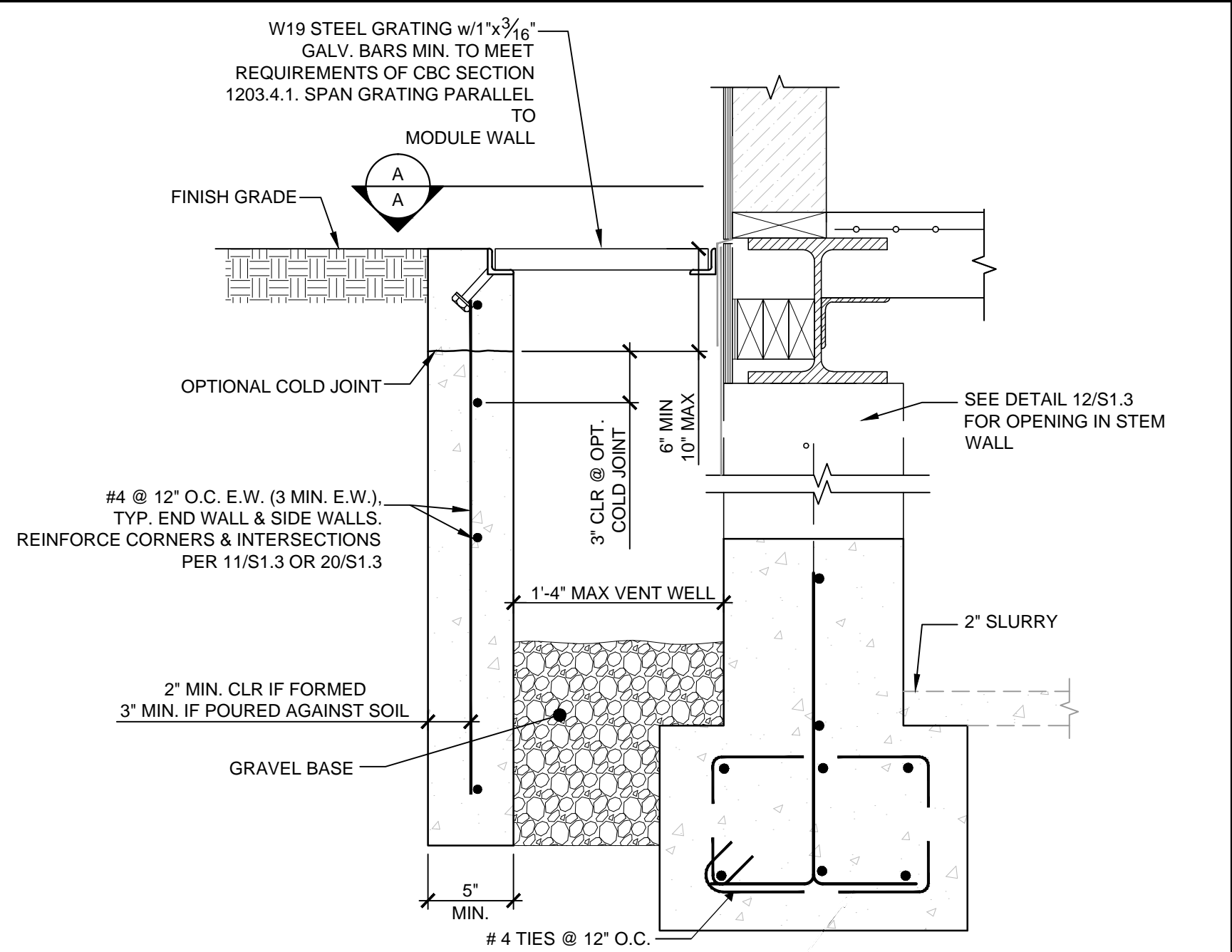
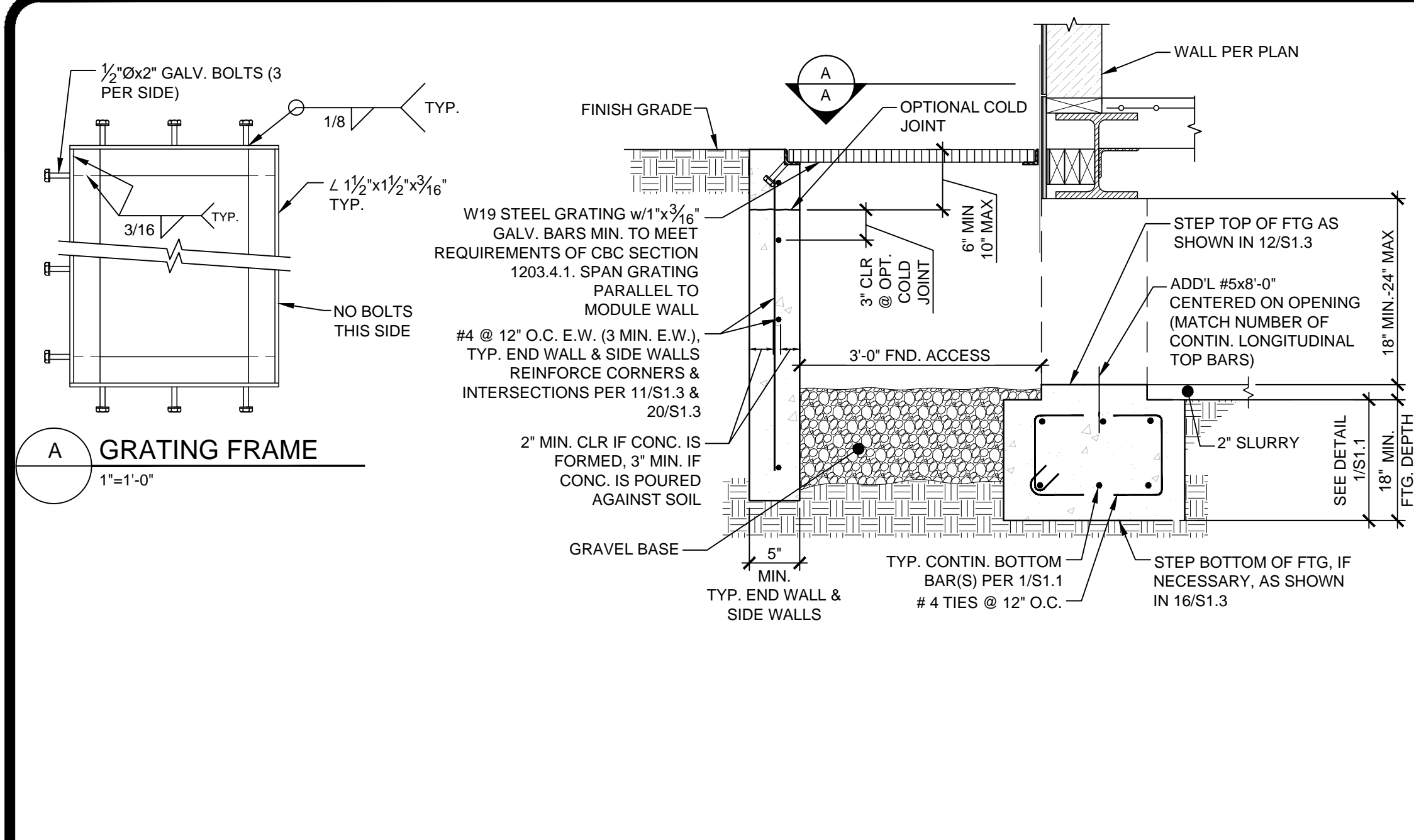
SET NAME
 (1) 144'x40' 2 STORY CLASSROOM BUILDINGS

SITE SPECIFIC PROJECT NAME
 GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC
 LICENSED ARCHITECT
 PATRICK CANNON
 No. C12631
 Ren. 2-31-23
 STATE OF CALIFORNIA
 REGISTERED PROFESSIONAL
 MARY D. FRISVOLD
 No. 53380
 STRUCTURAL
 STATE OF CALIFORNIA
 09/20/2021
 RST#20203
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REVISIONS
 DRAWN BY: AH
 SCALE: AS NOTED
 DATE: 07/05/21
 PROJECT NO: 1614-20
 SHEET TITLE:
 FOUNDATION DETAILS
 SHEET NUMBER:

S1.3



FOOTING DETAIL SCALE: 1" = 1'-0" 6

FOOTING DETAIL SCALE: 1" = 1'-0" 7

FOOTING DETAIL SCALE: 1" = 1'-0" 8

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DIV. OF THE STATE ARCHITECT
APP: 03-121419 INC:
REVIEWED FOR
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AMS
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LICENSED ARCHITECT
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No. C12631
Ren. 3-31-23
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL
MANU D. FRIEDL
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STRUCTURAL
STATE OF CALIFORNIA

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DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE:
FOUNDATION DETAILS
SHEET NUMBER:

S1.4

- 1 FLOOR BEAM PER SHEET S5.0
- 2 HSS COLUMN PER SHEET S5.0
- 3 2" LIGHT WEIGHT CONCRETE FILL w/ 6x6-W1.4xW1.4 WWF w/ 1'-0" LAP OVER ASC 18 GA 3W OR 3WH GALVANIZED DECK (5" TOTAL THICKNESS). SEE 4/S2.1 FOR DECK PROPERTIES AND ATTACHMENT PATTERN.

KEY NOTES

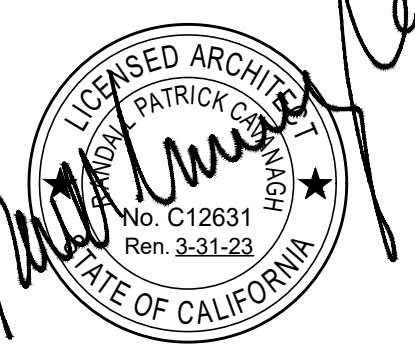

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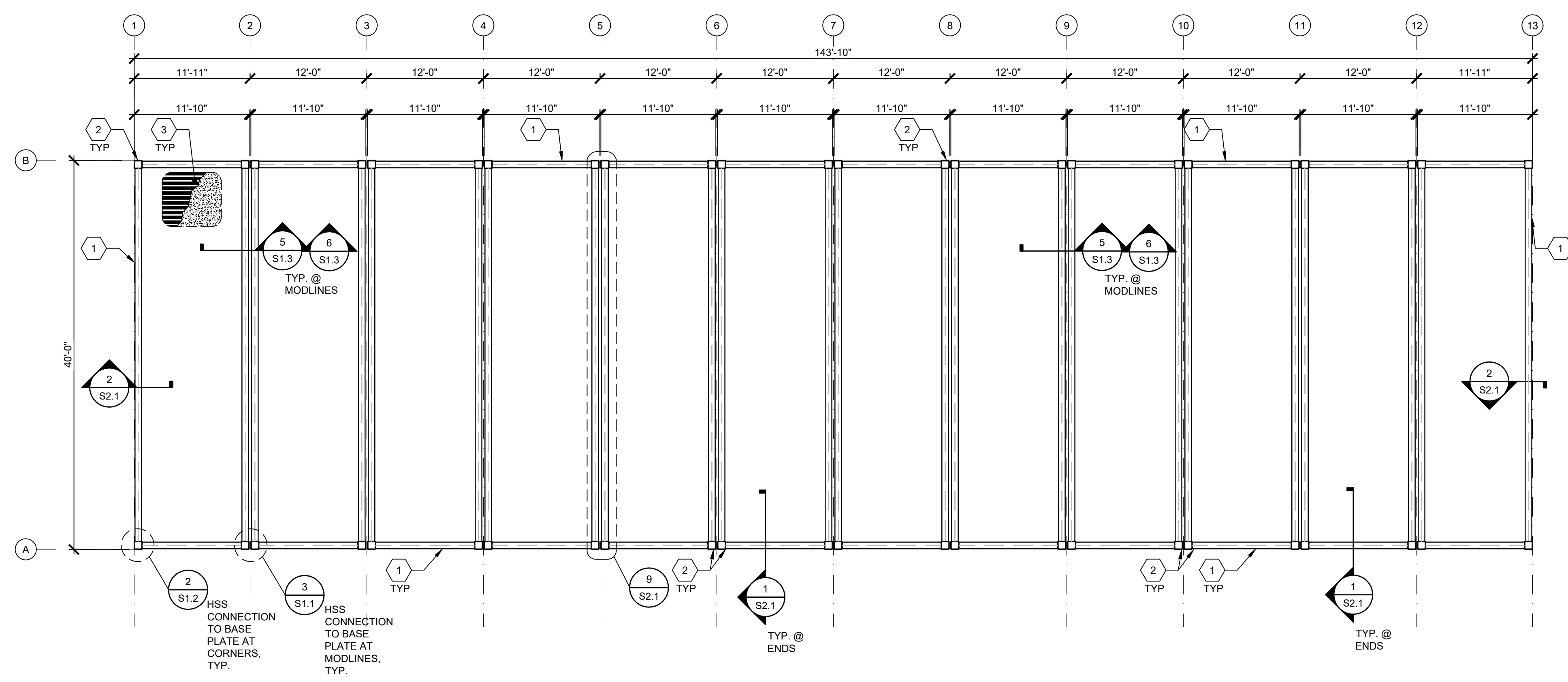
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 SCALE: AS NOTED
 DATE: 07/05/21
 PROJECT NO: 1614-20

SHEET TITLE:
 FLOOR FRAMING PLAN
 GROUND FLOOR

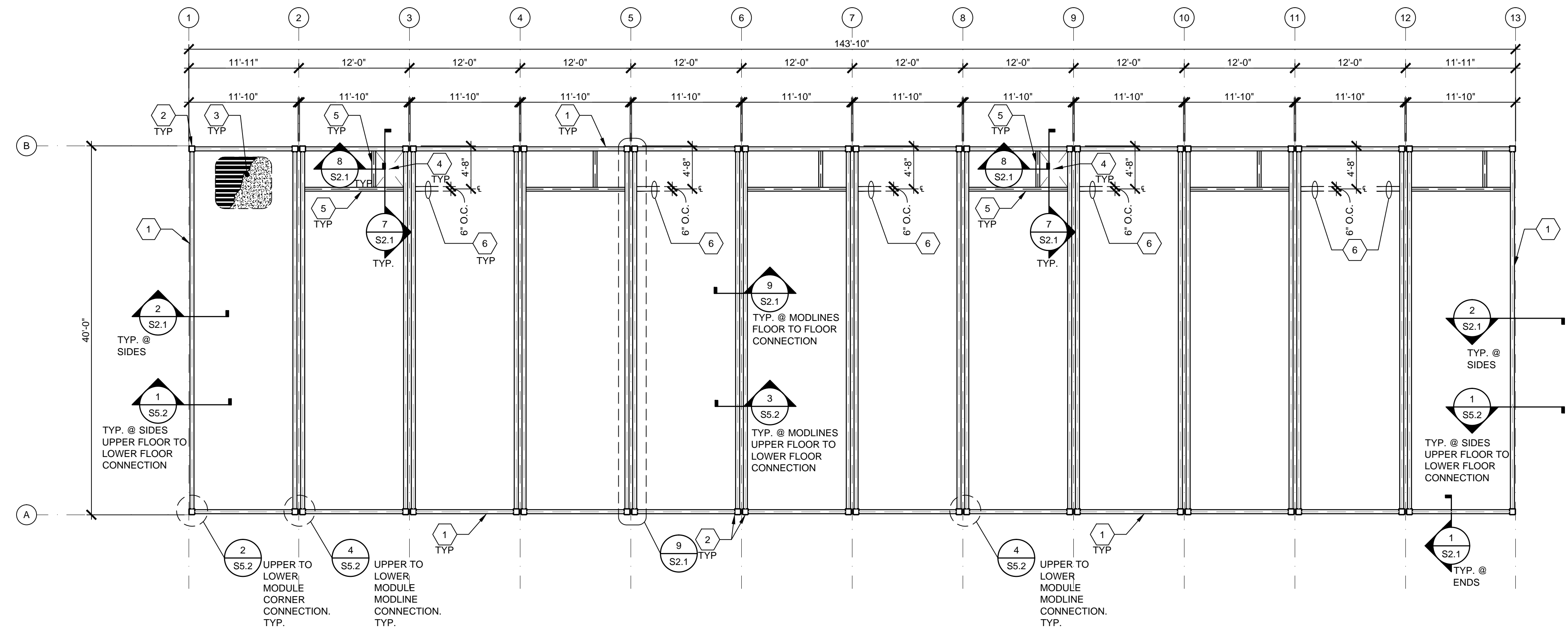
SHEET NUMBER:
S2.0



- 1 FLOOR BEAM PER SHEET S5.0
- 2 HSS COLUMN PER SHEET S5.0
- 3 2" LIGHT WEIGHT CONCRETE FILL w/ 6x6-W1.4xW1.4 WWF w/ 1'-0" LAP OVER ASC 18 GA 3W OR 3WH GALVANIZED DECK (5" TOTAL THICKNESS). SEE 4/S2.1 FOR DECK PROPERTIES AND ATTACHMENT PATTERN.
- 4 FLOOR CHASE OPENING
- 5 W4x13 BEAM REINFORCEMENT AT OPENINGS
- 6 (2) # 3 BARS 30" LONG SPACED AT 6" O.C. LOCATED PER THE LOCATIONS SHOWN IN THE PLAN. REFERENCE TO DETAIL 3/S5.2

KEY NOTES

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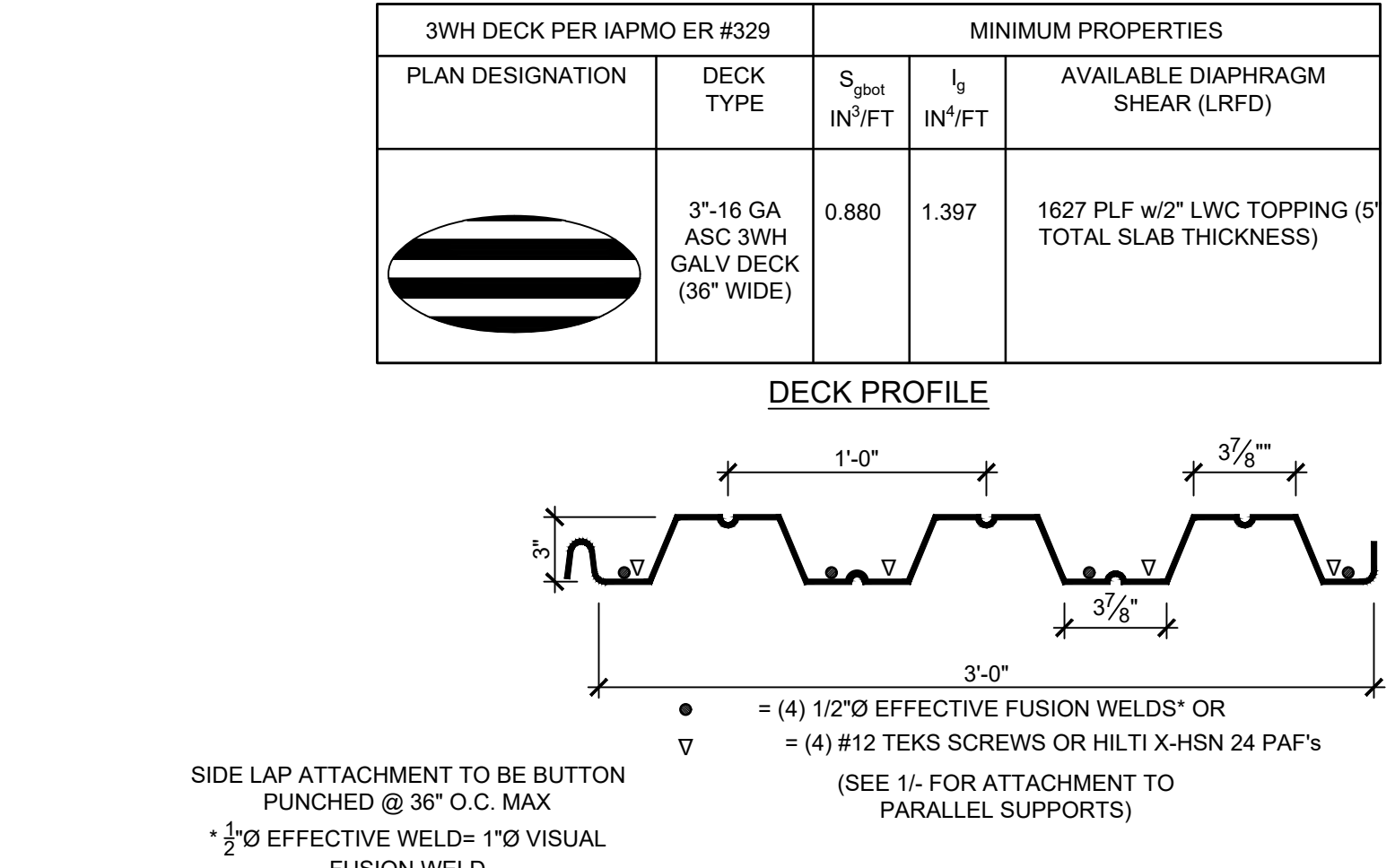
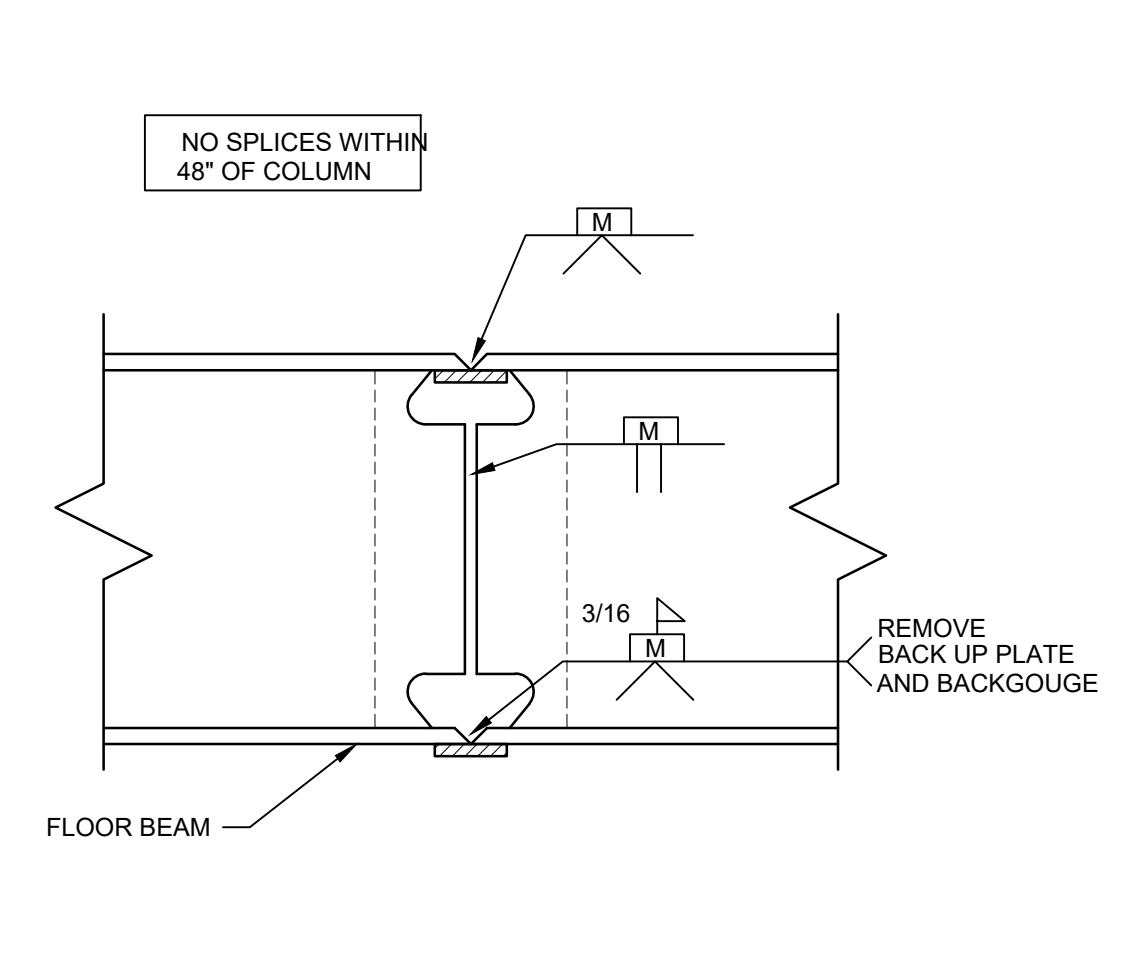
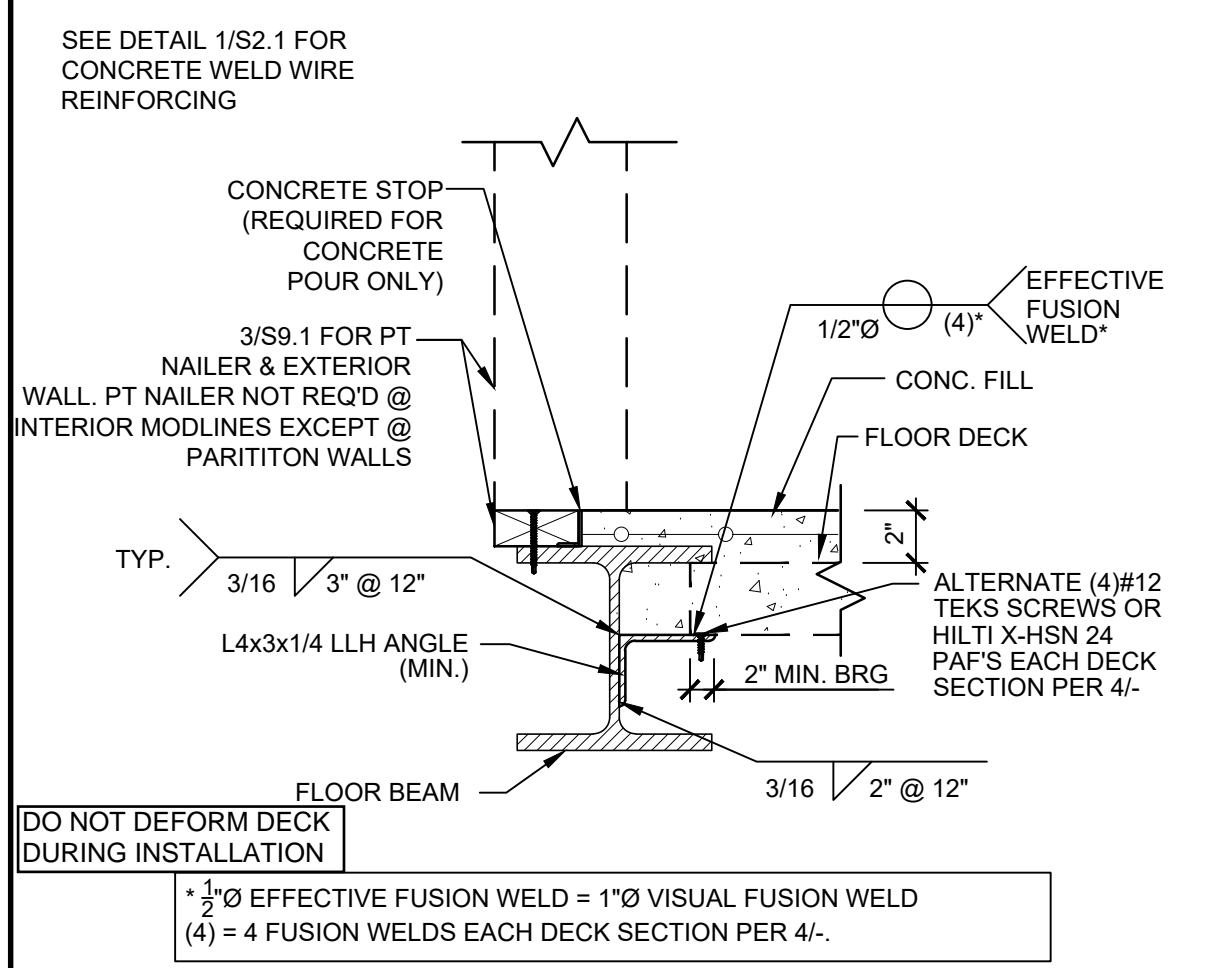
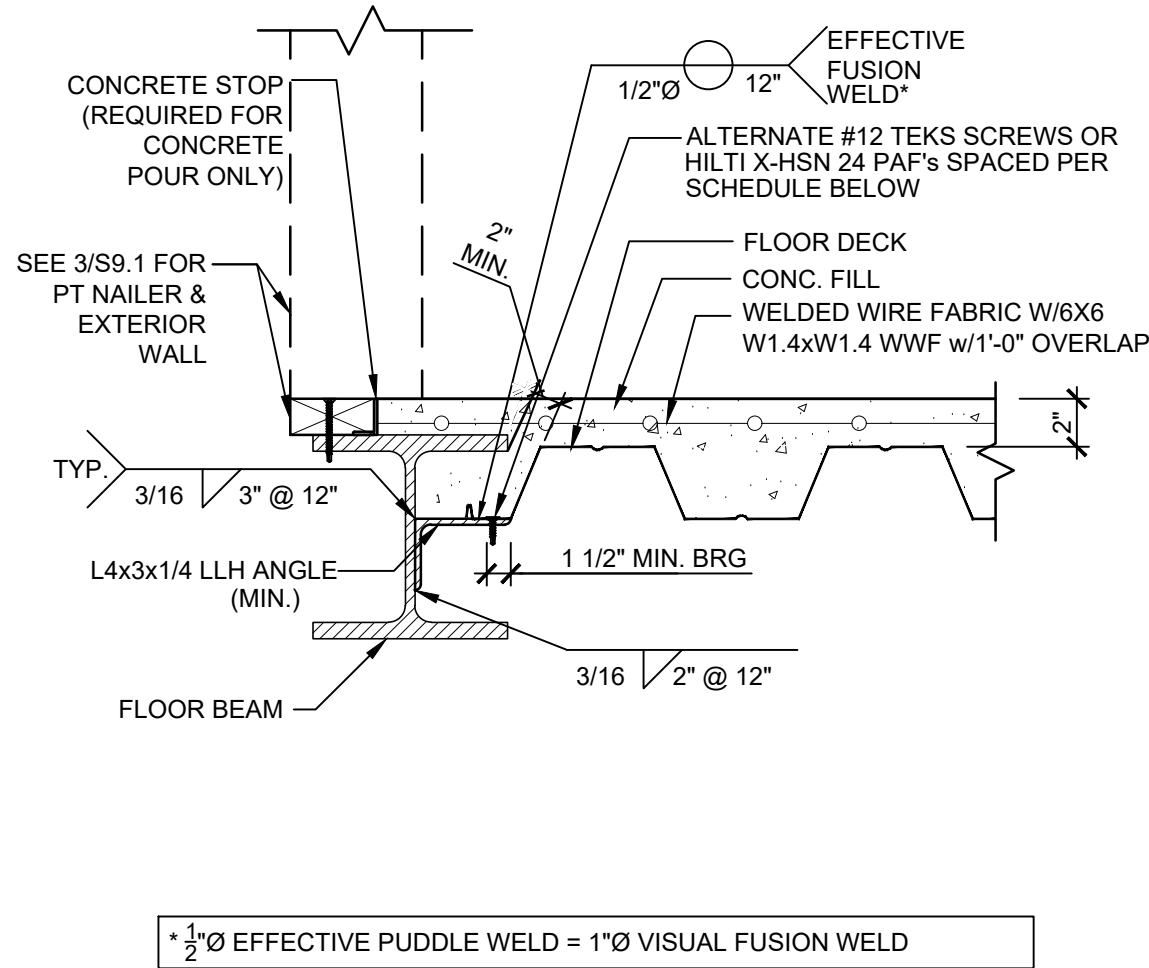
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 PROJECT NO: 1614-20

SHEET TITLE:
 FLOOR FRAMING PLAN
 UPPER FLOOR

SHEET NUMBER:
S2.0A

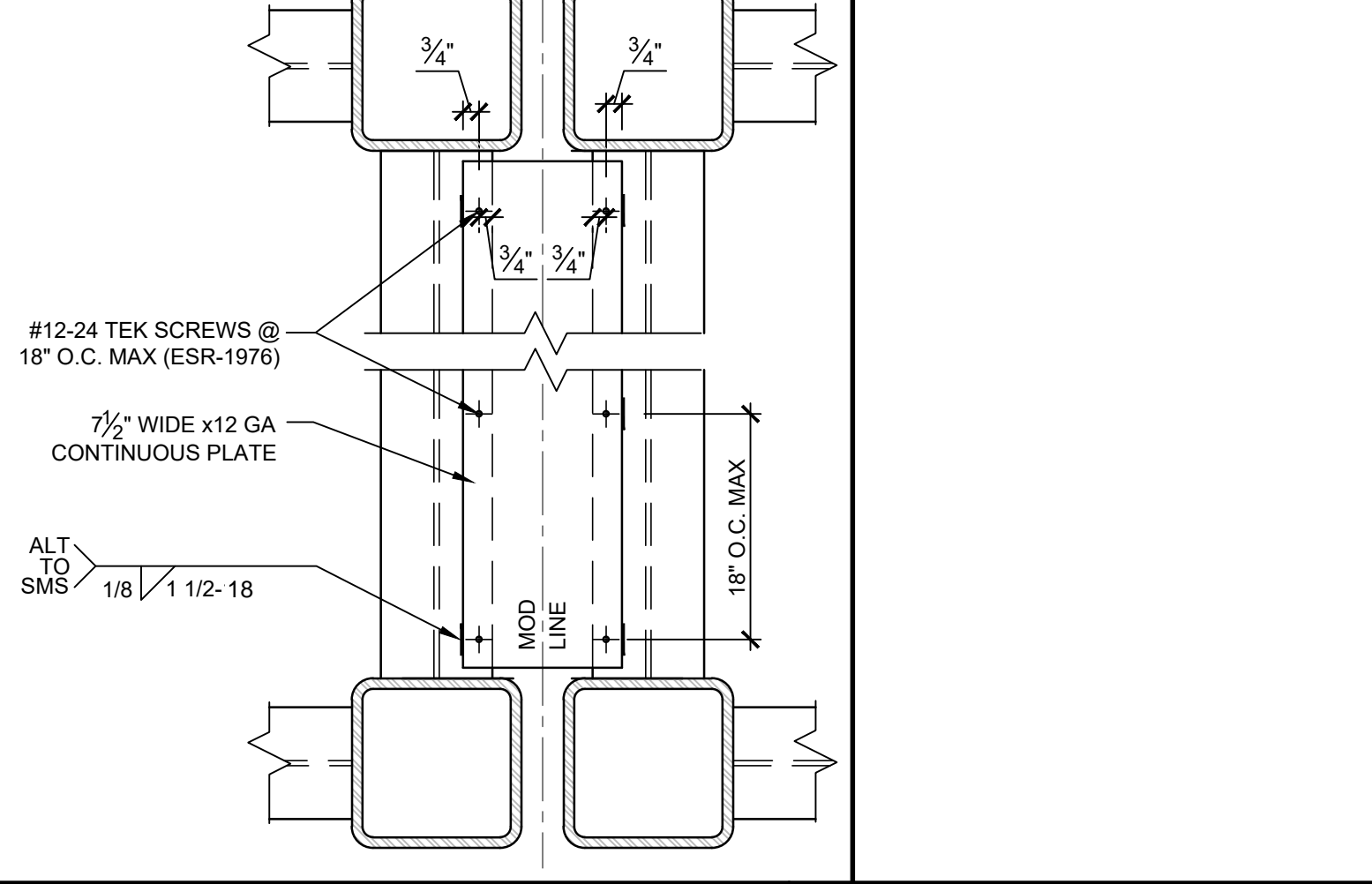
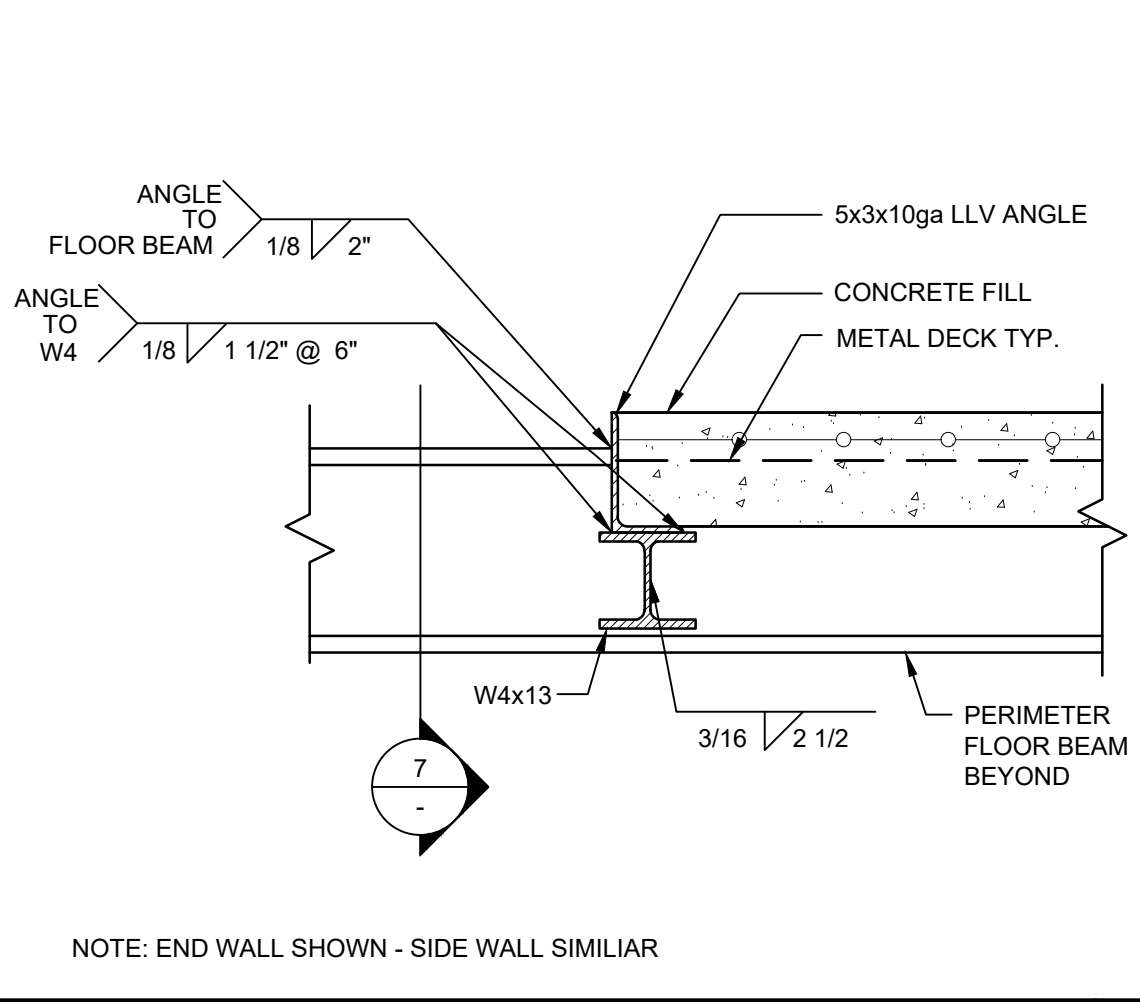
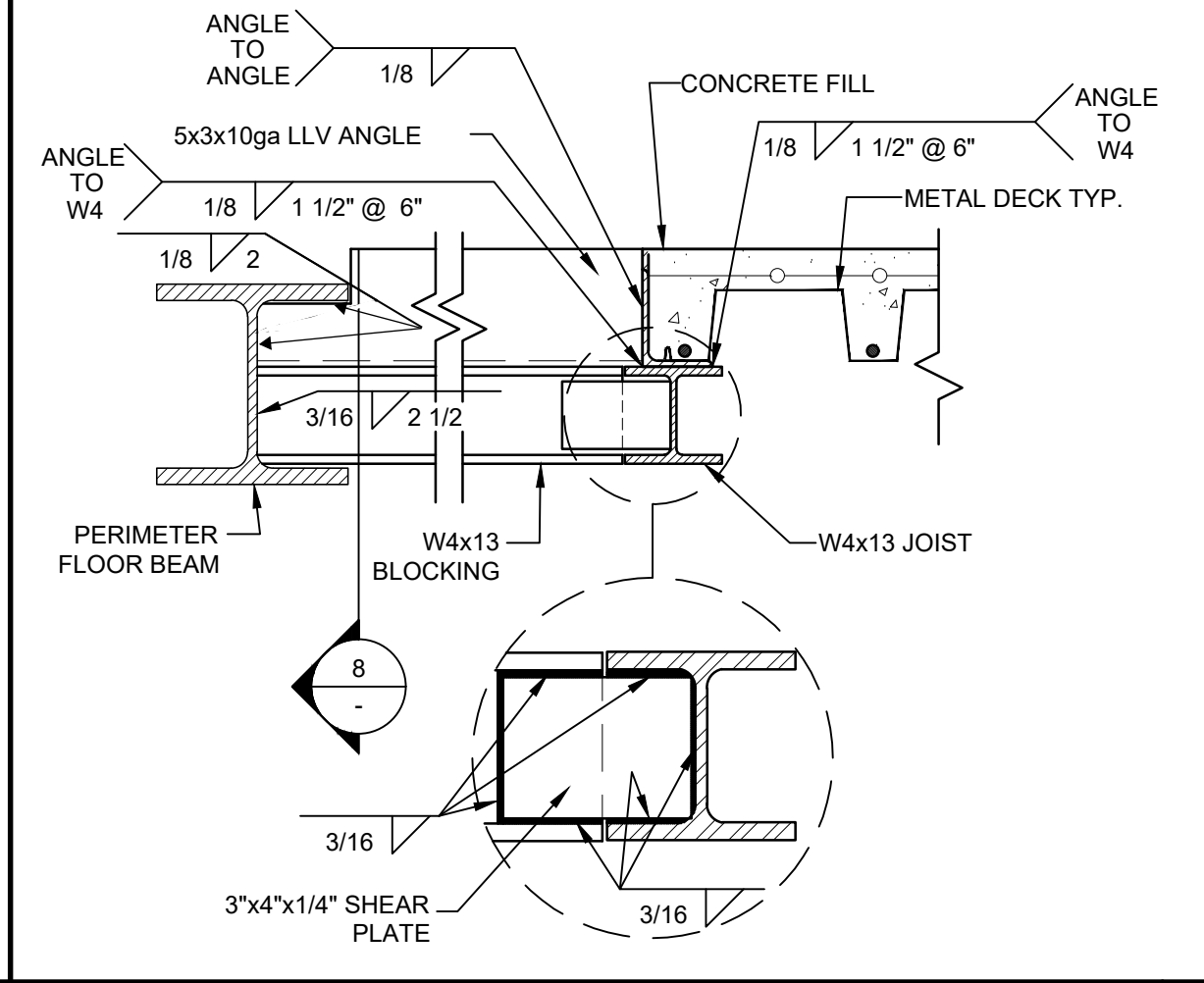
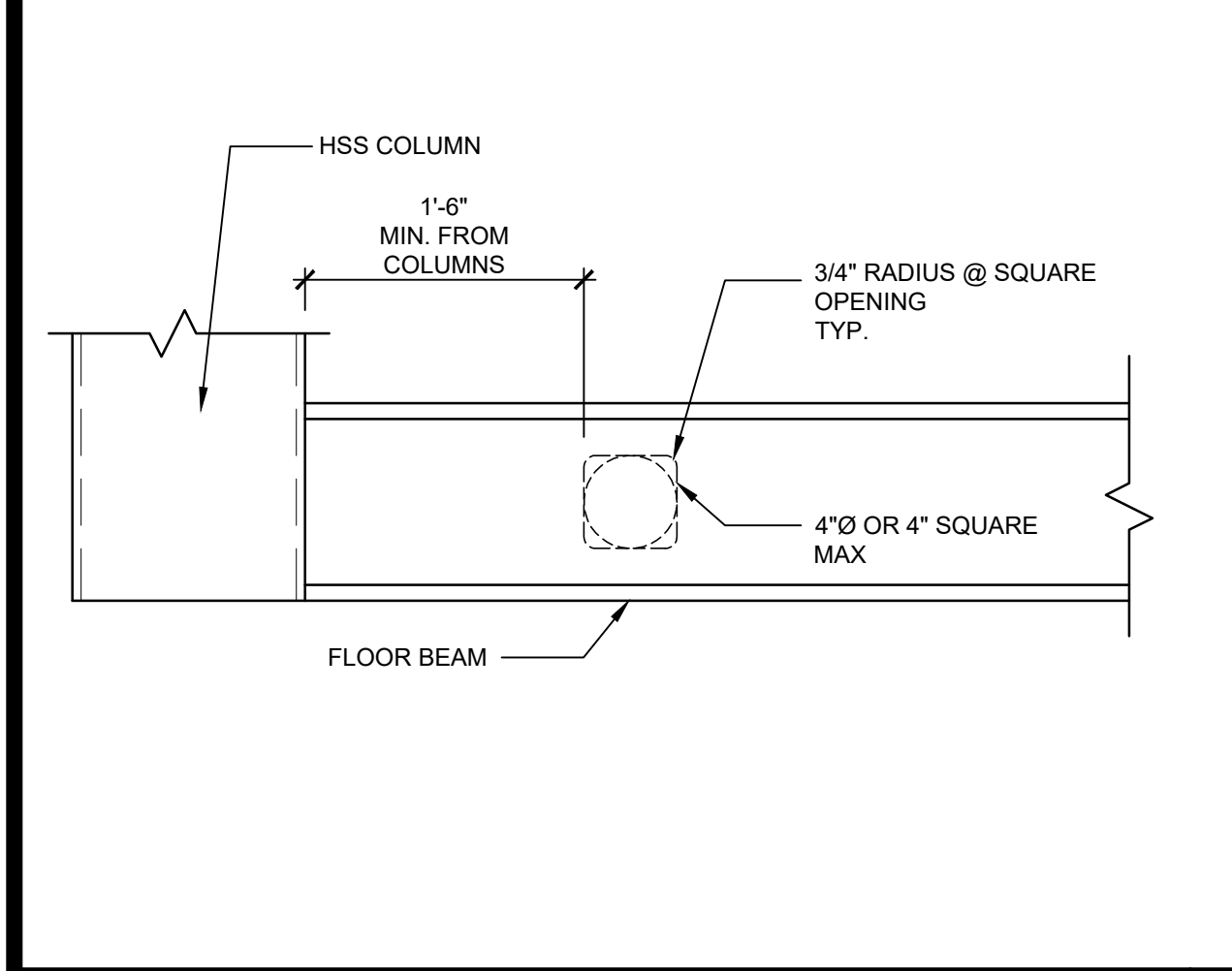


FLOOR DETAIL @ END WALL SCALE: 1 1/2"=1'-0" 1

FLOOR DETAIL @ SIDE WALL SCALE: 1 1/2"=1'-0" 2

FLOOR BEAM SPLICE SCALE: 1 1/2"=1'-0" 3

3WxH & 3WH METAL DECK PROP & PROFILE SCALE: NTS 4



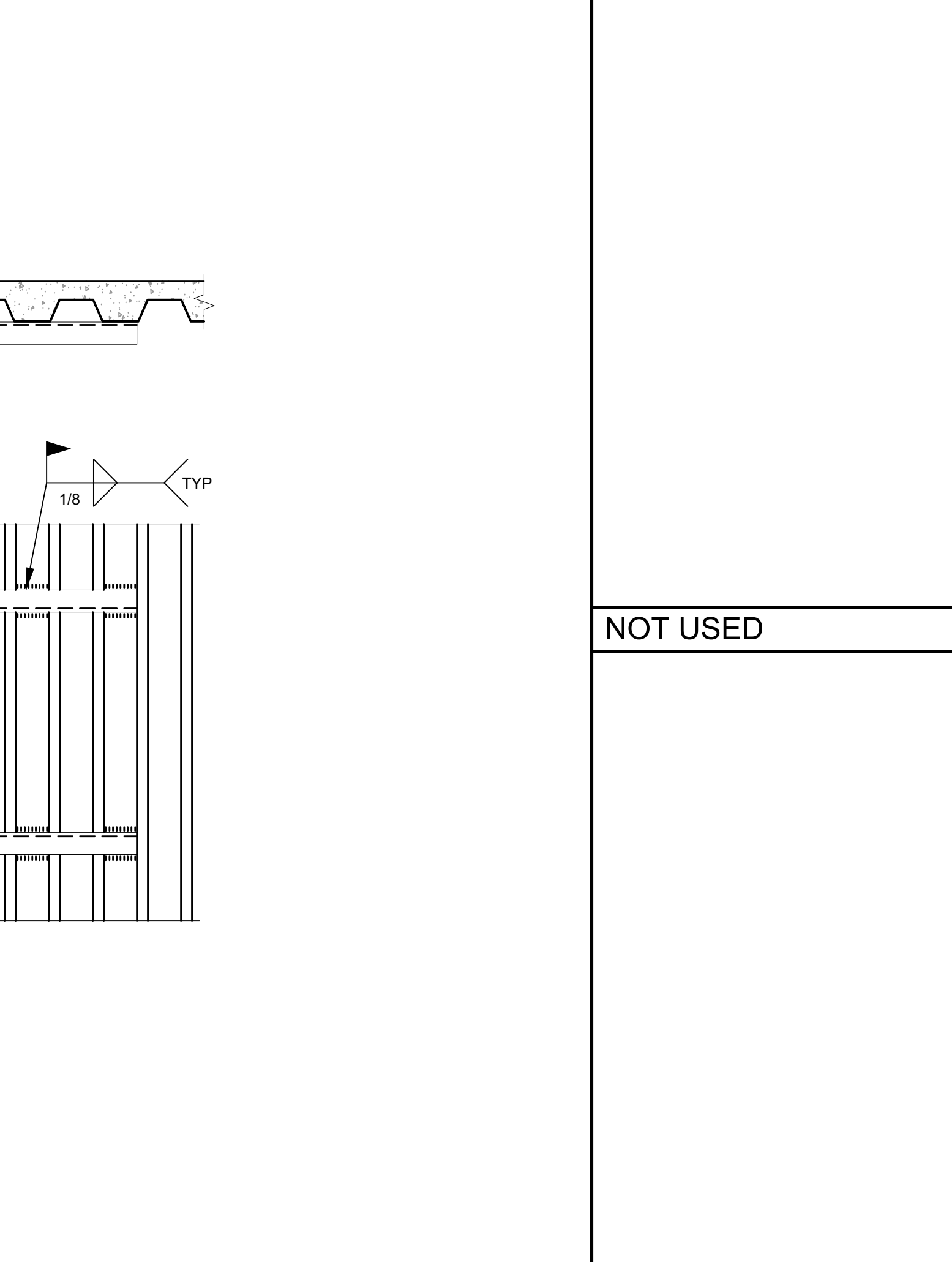
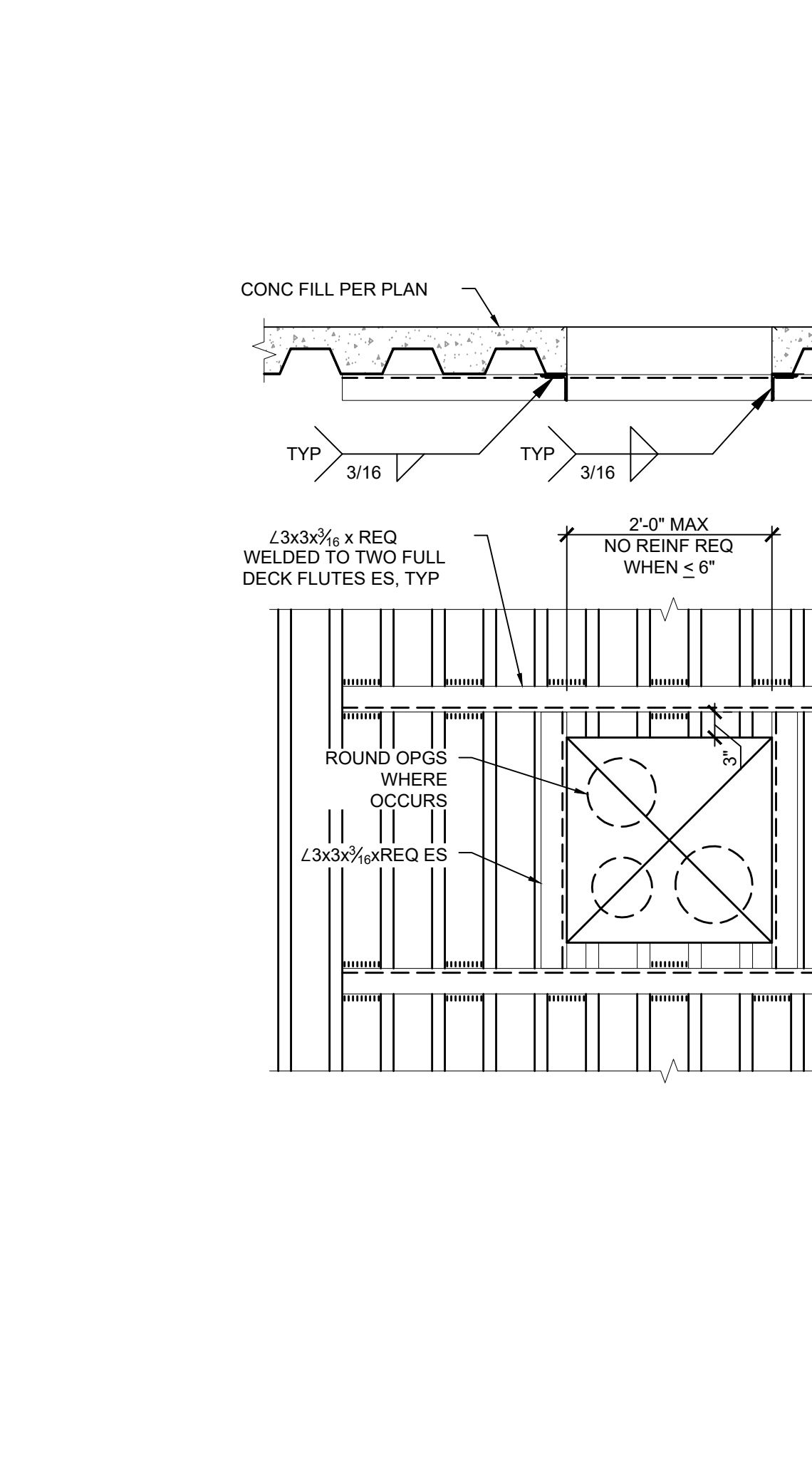
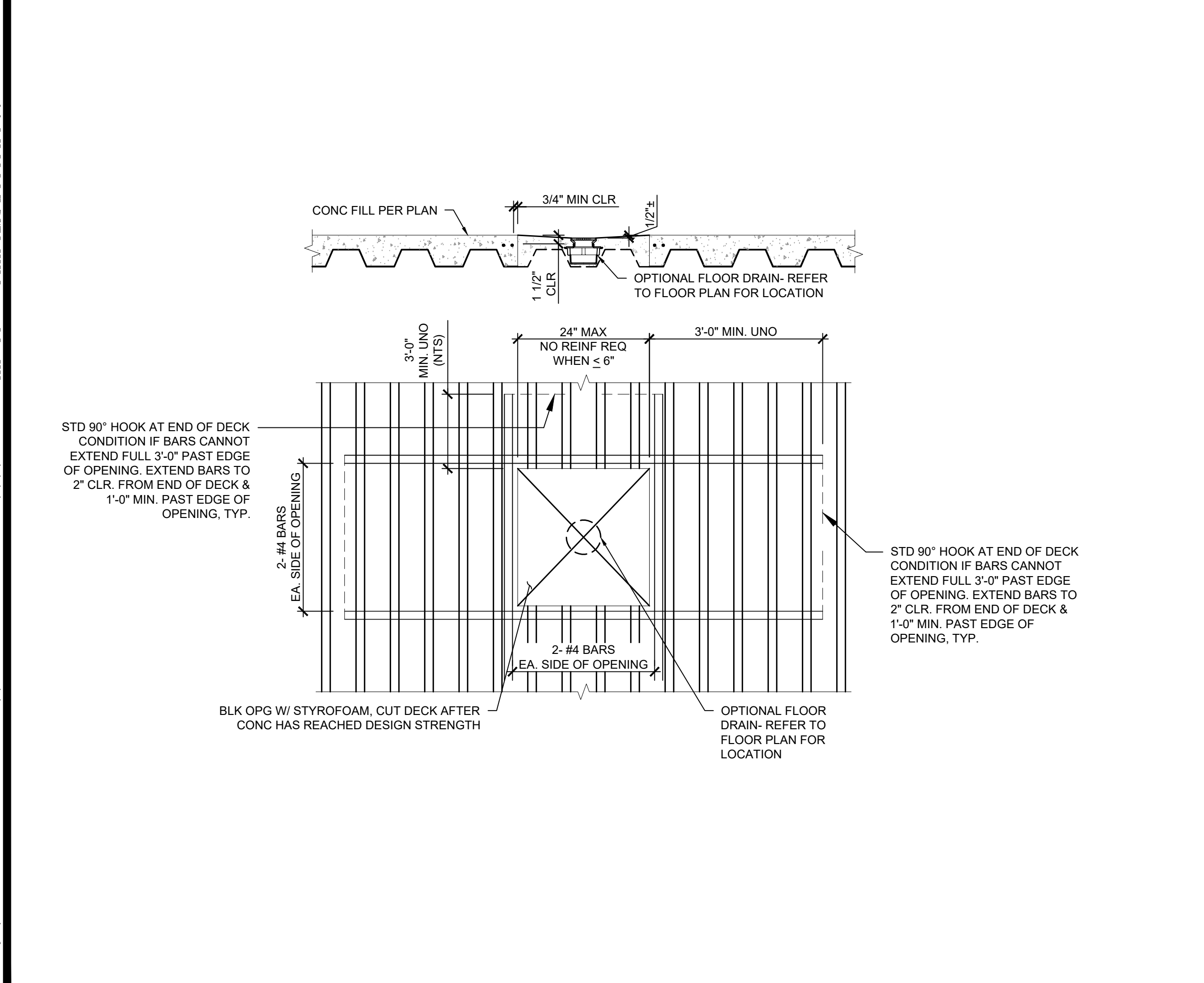
OPENING @ FLOOR BEAM SCALE: 1 1/2"=1'-0" 6

FLOOR OPENING REINFORCING SCALE: 1 1/2"=1'-0" 7

OPENING W4 TO FLOOR BEAM SCALE: 1 1/2"=1'-0" 8

MOD-LINE CONNECTOR PLATE SCALE: 1 1/2"=1'-0" 9

NOT USED 10



FLOOR OPENING BLOCK-OUT DETAIL (BEFORE CONCRETE POUR OPTION) 17

FLOOR OPENING BLOCK-OUT DETAIL (AFTER CONCRETE POUR OPTION) 18

NOT USED 19

NOT USED 20

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SITE SPECIFIC PROJECT NAME
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MANUFACTURER PROFESSIONAL OF RECORD ON PC

Patricia Canino
LICENSED ARCHITECT
No. C12631
Ren. 2-31-23
STATE OF CALIFORNIA

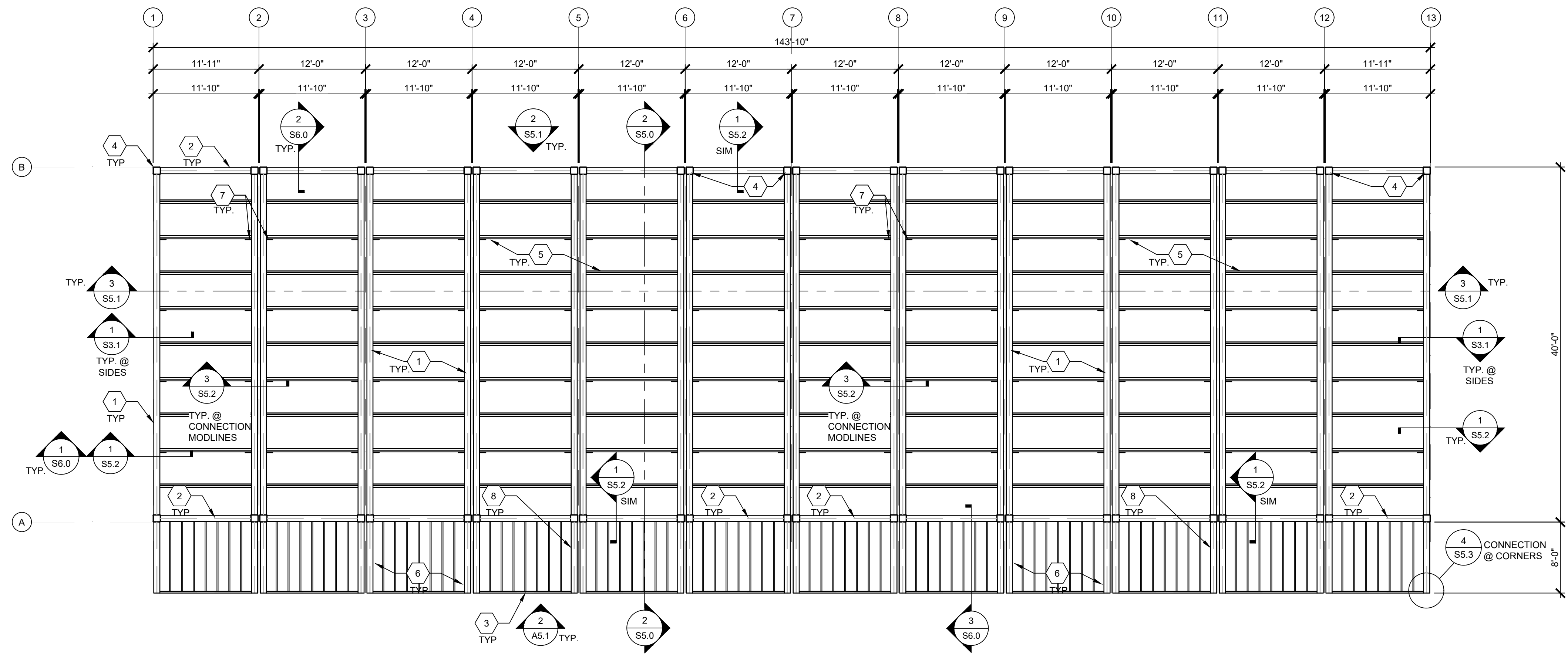
Matthew D. Frisvold
REGISTERED PROFESSIONAL STRUCTURAL ENGINEER
No. 53380
STATE OF CALIFORNIA

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RST#20203

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DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE:
FLOOR FRAMING DETAILS
SHEET NUMBER:
S2.1



- 1 LONGITUDINAL BEAM - PER SHEET S5.0
- 2 TRANSVERSE BEAM - PER SHEET S5.0
- 3 22"x2 1/2"x14GA FASCIA CHANNEL @ 8'-0" FRONT OVERHANG - REFER TO S0.0
- 4 HSS COLUMN PER SHEET S5.0
- 5 6"x2 1/2"x12 GA 'Z' FORMED ROOF PURLINS @ 48" O.C. MAX - REFER TO SHEET S0.0
- 6 600S162-33 STEEL STUDS @ 24" O.C. @ UPPER ROOF OVERHANG SOFFIT, PER 3/S6.0. SEE 19(B)/S9.1 FOR STUD SECTION PROPERTIES.
- 7 BRACE PER 1/S3.1
- 8 OVERHANG OUTRIGGER PER S5.0

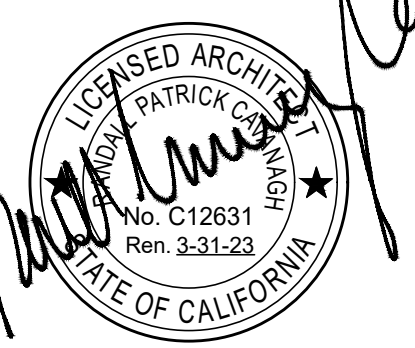

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 APP: 03-121419 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 09/29/2021

AMS
 American Modular Systems
 787 Spreckels Ave.,
 Manteca, CA 95336
 Phone (209) 825-1921
 Fax (209) 825-7018
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SET NAME
 (1) 144'x40' 2 STORY
 CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
 GLENDALE USD
 MONTE VISTA
 ELEMENTARY SCHOOL

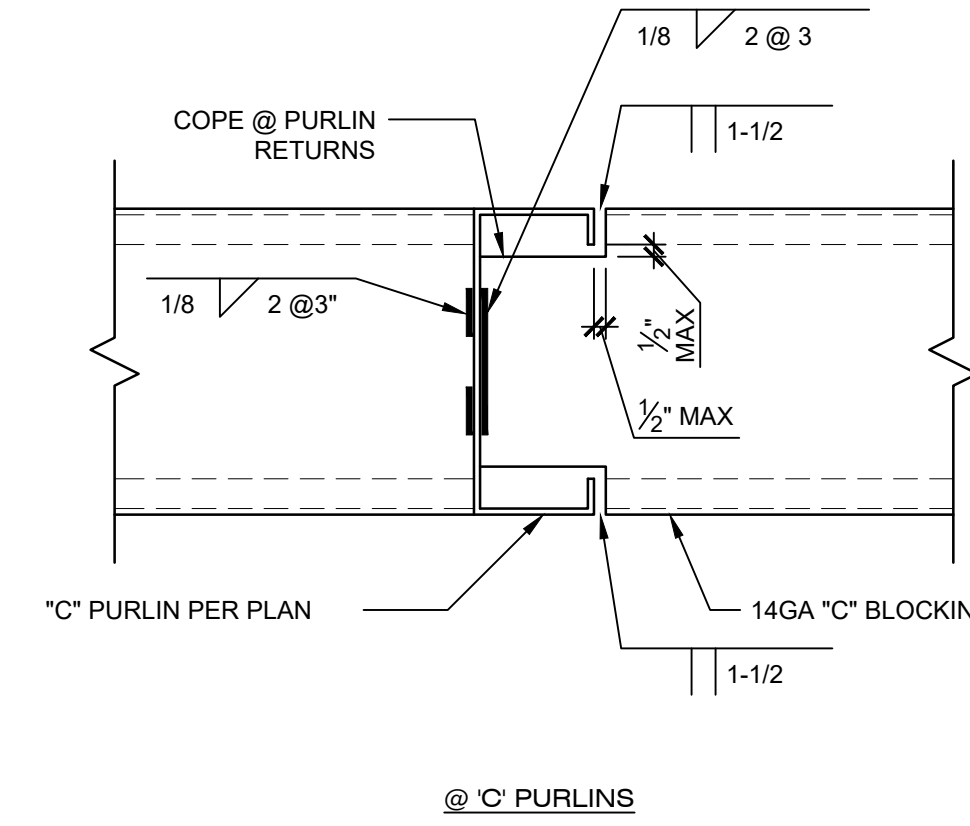
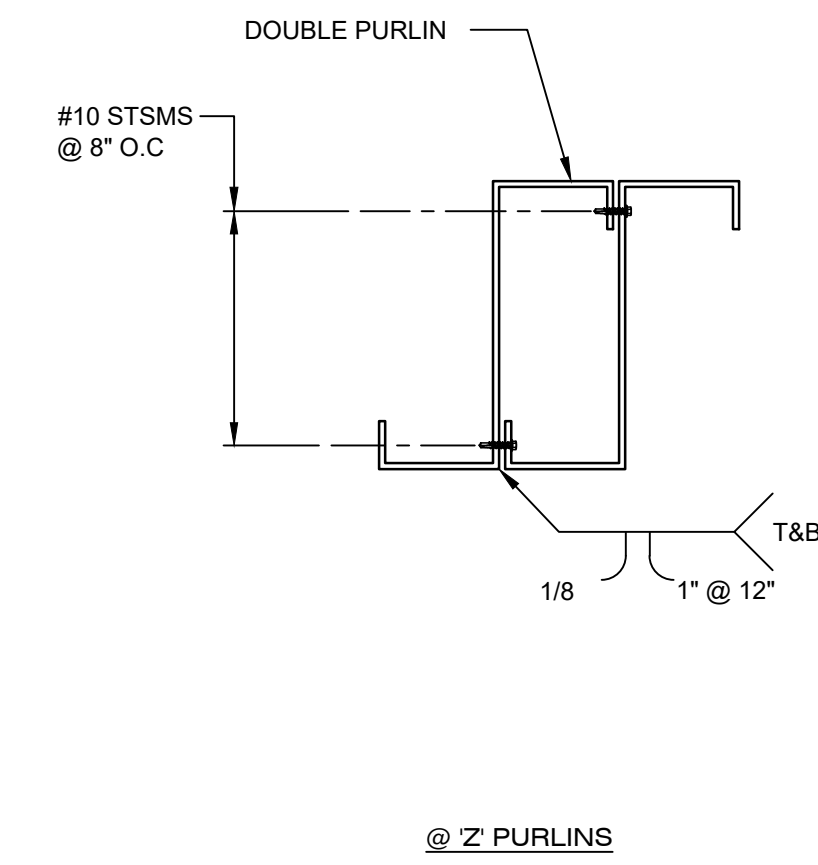
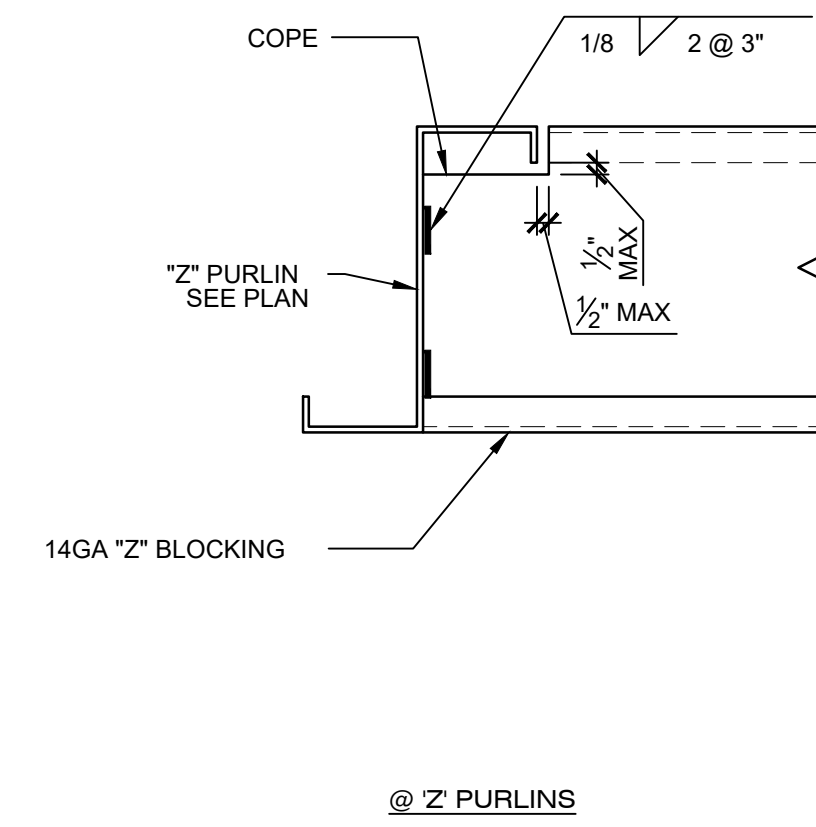
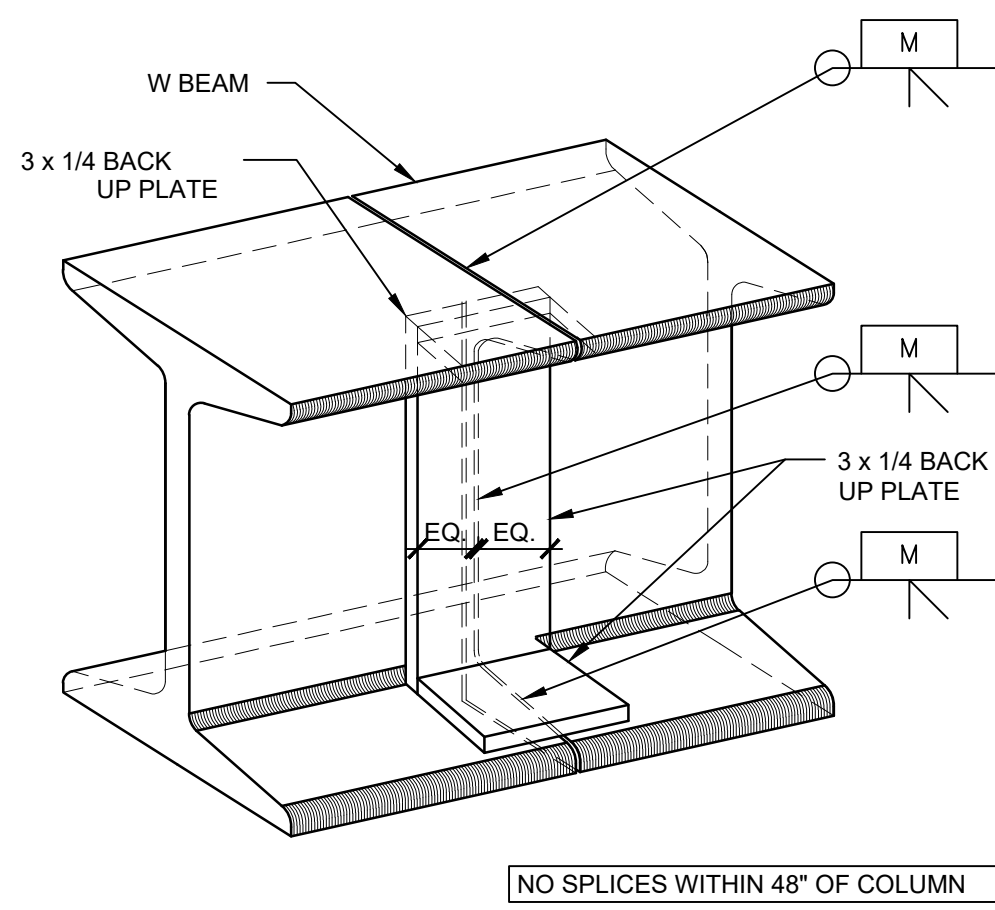
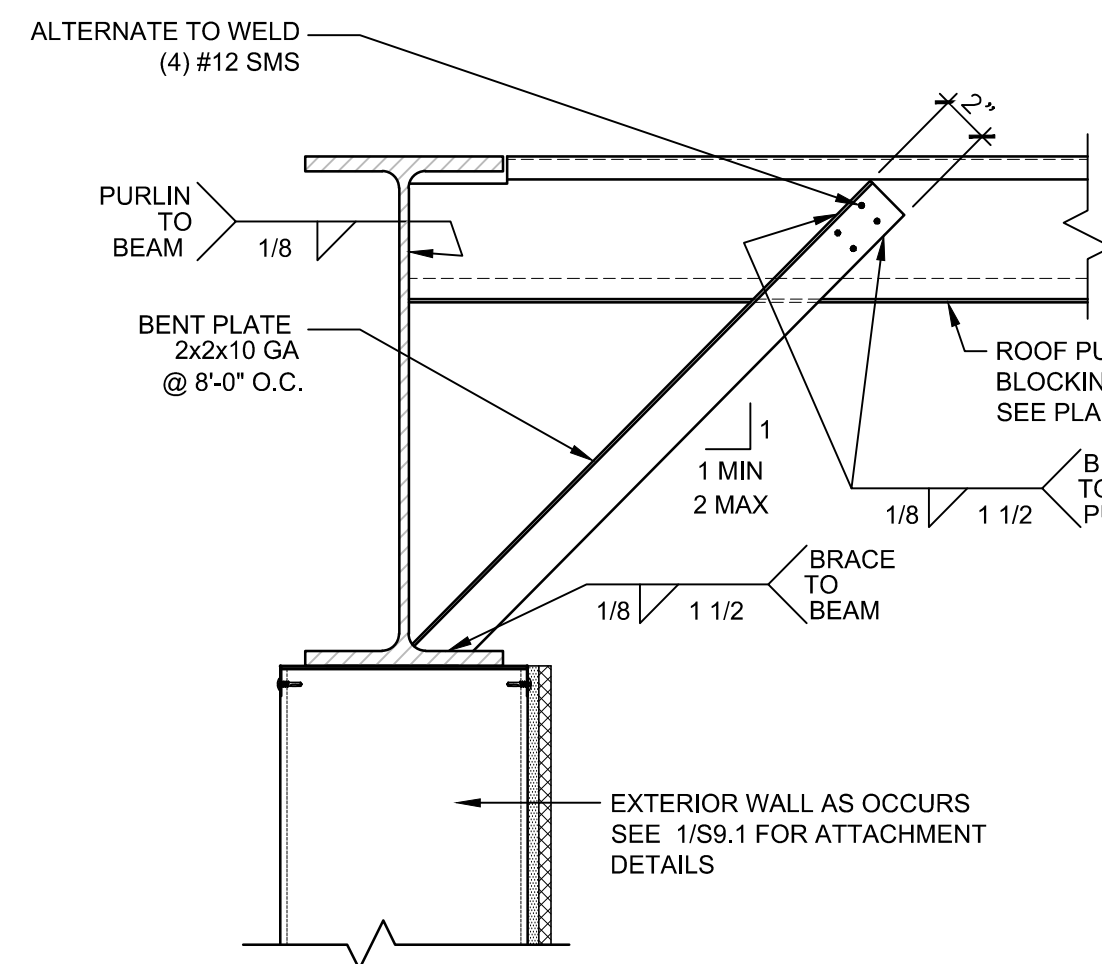
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 09/20/2021
 RST#20203
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REVISIONS

DRAWN BY: AH
 SCALE: AS NOTED
 DATE: 07/05/21
 PROJECT NO: 1614-20

SHEET TITLE:
 ROOF FRAMING PLAN
 GROUND FLOOR

SHEET NUMBER:
S3.0



GROUND FLOOR PURLIN CONNECTION @ SIDEWALL SCALE: 1 1/2"=1'-0"

ROOF BEAM SPLICE DETAIL N.T.S.

BLOCKING DETAIL @ Z PURLINS

DOUBLE PURLIN CONNECTION SCALE: 1 1/2"=1'-0"

NOT USED

NOT USED

BLOCKING DETAIL @ C PURLINS

DOUBLE PURLIN CONNECTION SCALE: 1 1/2"=1'-0"

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

NOT USED

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(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC

09/20/2021
RST#20203

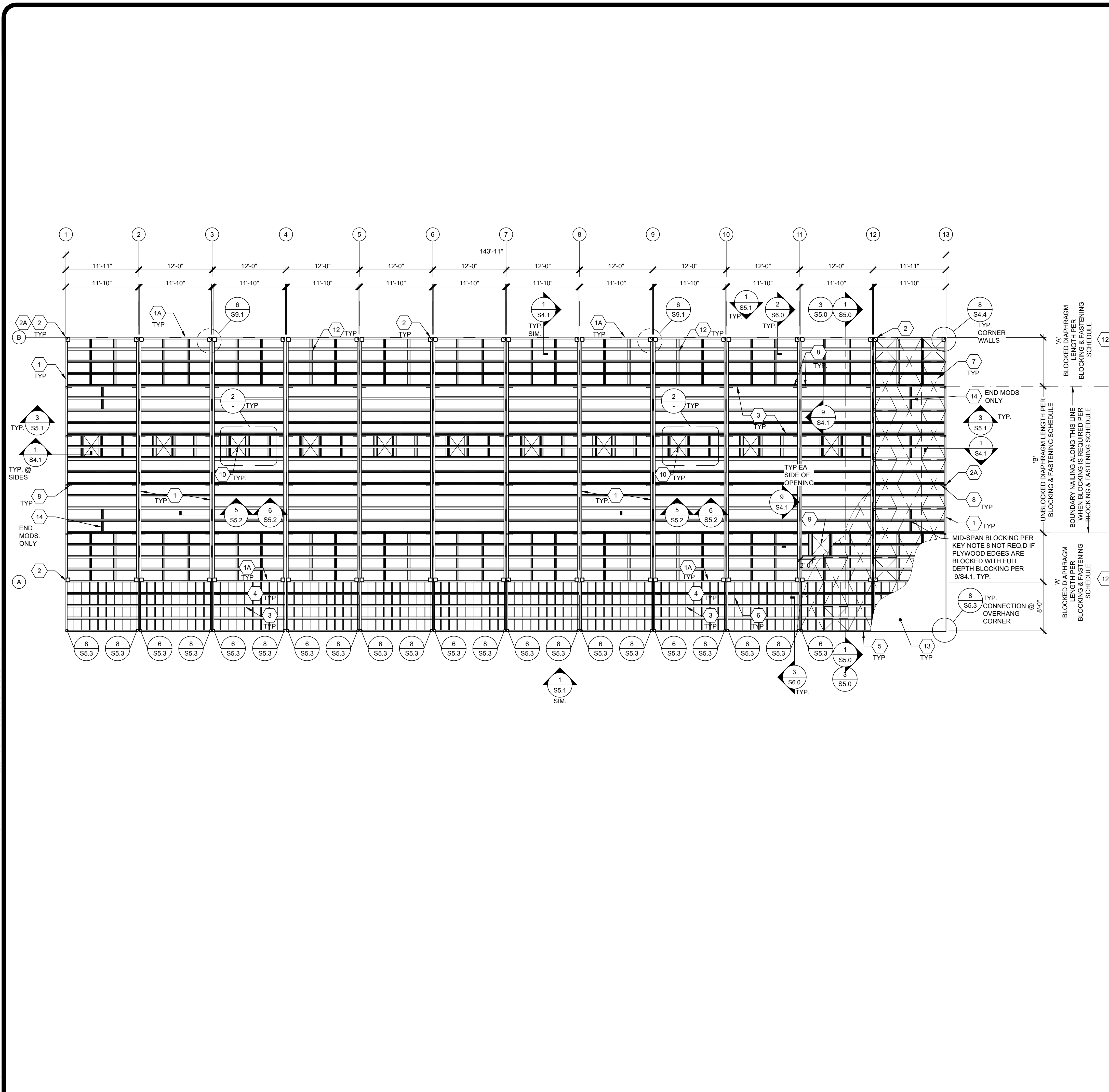
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REVISIONS
▲
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DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20

SHEET TITLE:
ROOF FRAMING DETAILS GROUND FLOOR

SHEET NUMBER:
S3.1

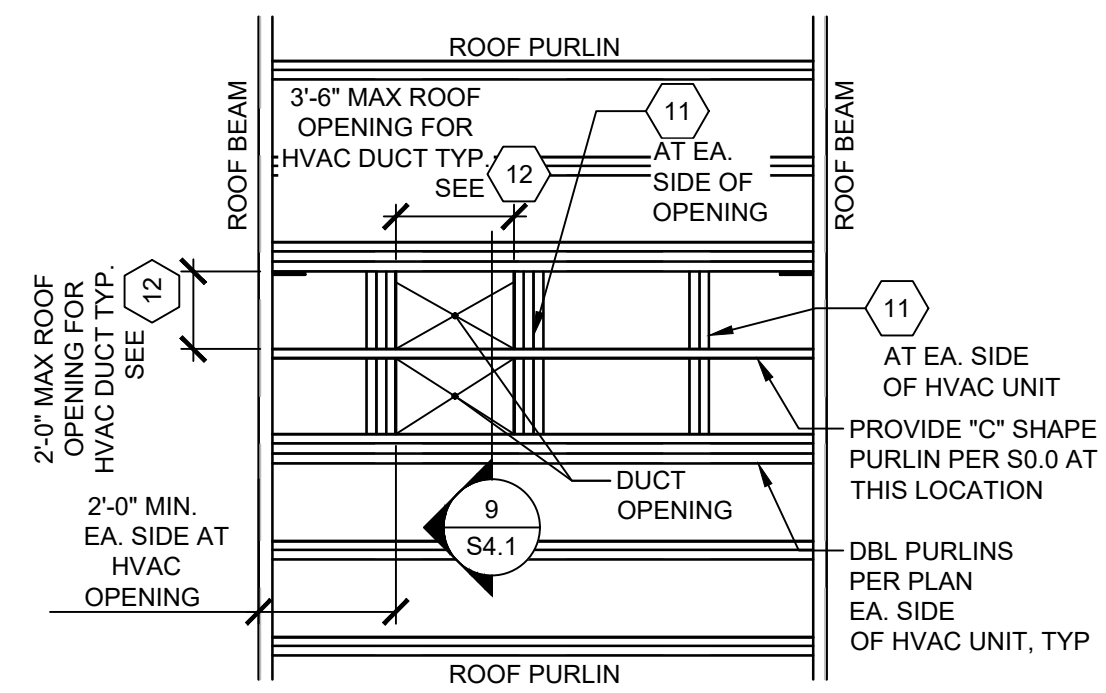


- 1 LONGITUDINAL BEAM - PER SHEET S5.0
 - 1A TRANSVERSE BEAM - PER SHEET S5.0
 - 2 HSS COLUMN PER SHEET S5.0
 - 2A HSS PARAPET COLUMN - REFER TO SHEET S4.4 FOR SIZES
 - 3 6"x2 1/2"x14GA Z' FORMED ROOF PURLINS @ 24" O.C. MAX - REFER TO SHEET S0.0
 - 4 TAPERED 20"x22" DEEP X 12GA FORMED OUTRIGGER CHANNEL @ 8'-0" FRONT OVERHANG - REFER TO S0.0
 - 5 22"x2 1/2"x14GA FASCIA CHANNEL @ 8'-0" FRONT OVERHANG - REFER TO S0.0
 - 6 #00S162-33 STEEL STUDS @ 24" O.C. @ UPPER ROOF OVERHANG SOFFIT, PER 3/S6.0. SEE 19(B)/S9.1 FOR STUD SECTION PROPERTIES.
 - 7 3/4" APA RATED L-P OSB OR 3/4" PLYWOOD (ALL PLYWOOD SHALL BE EITHER T&G OR EDGE CLIPPED AT UNSUPPORTED EDGES), COMPLY WITH DSA PA-062, CD EXPOSURE-1 48/24 SPAN INDEX, FACE GRAIN NORMAL TO ROOF PURLINS. ALL BOUNDARY, EDGE & FIELD ATTACHMENTS SHALL BE 1" MIN. FROM EDGE OF PLYWOOD & EDGE OF STEEL SUPPORTING MEMBER. REFER TO BLOCKING & FASTENING SCHEDULE FOR BLOCKING & FASTENING REQUIREMENTS.
- ROOF FINISHES: SEE A2.0

ROOF PLYWOOD BLOCKING & FASTENING SCHEDULE		
	FASTENING	#10 SMS*
'A' BLOCKED DIAPHRAGM @ MODULE ENDS ²	'A' BLOCKED DIAPHRAGM LENGTH EA END OF EA MODULE	8'-0"
	BOUNDARY FASTENING ³	4" O.C.
	EDGE FASTENING	4" O.C.
'B' UNBLOCKED DIAPHRAGM @ MODULE INTERIOR	'B' UNBLOCKED DIAPHRAGM LENGTH @ MODULE INTERIOR	24'-0"
	BOUNDARY FASTENING ³	6" O.C.
	EDGE FASTENING	6" O.C.
	FIELD FASTENING	12" O.C.

- (2) PROVIDE BLOCKING PER 9/S4.1 OR 7/S4.1 w/ EDGE FASTENING AT ALL SUPPORTED PLYWOOD EDGES AT END BAYS OF ALL MODULES AS INDICATED ON ROOF PLAN AND SCHEDULE ABOVE.
- (3) BOUNDARY FASTENING IS APPLIED TO PERIMETER OF ALL MODULES ALONG ALL FRAME LINES AND AT BOUNDARY BETWEEN BLOCKED & UNBLOCKED DIAPHRAGMS WHERE INDICATED ON ROOF PLAN.
- * ALL SCREWS TO BE PRE-DRILLED AT STRUCTURAL STEEL CHANNEL C15x33.9
- 8 BENT PLATE DIAGONAL BEAM BRACE. SEE DETAIL 1/S4.1 AT EXTERIOR SIDE WALL ROOF BEAMS & DETAILS S8.6/S5.2 AT INTERIOR MODULE ROOF BEAMS. PROVIDE MID-SPAN PURLINS BLOCKING AT EACH BRACE AT END MODULES ONLY PER (14) BELOW.
- 9 OPENING FOR ROOF HATCH. PROVIDE BLOCKING PER 9/S4.1
- 10 OPENING FOR HVAC PROVIDE BLOCKING PER 2/
- 11 PROVIDE SINGLE PURLINS AND BLOCKING PER 9/S4.1 LOCATE OPENINGS PER ROOF PLAN & PROVIDE 48" CLEAR MIN BETWEEN ALL OPENINGS, TYP. NOTE: DO NOT HEAD OFF ROOF PURLINS FOR OPENING OR HVAC FRAMING. ALL ROOF PURLINS SHALL BE CONTINUOUS ACROSS MODULE. LAYOUT OF CONTINUOUS ROOF PURLINS MAY BE ADJUSTED TO ACCOMMODATE HVAC LAYOUT AS LONG AS SPACING DOES NOT EXCEED 48" O.C.
- 12 BLOCKING PER 9/S4.1 w/ EDGE FASTENING AT ALL UNSUPPORTED PLYWOOD EDGES WHEN REQUIRED PER BLOCKING & FASTENING SCHEDULE.
- 13 ROOFING - SEE A2.0
- 14 MID-SPAN PURLIN BLOCKING WELD TO ROOF PURLINS PER 9/S4.1. BLOCKING IS ONLY REQUIRED AT END MODULES AT PURLINS WITH DIAGONAL BEAM BRACING @ EXTERIOR SIDE WALLS PER (8) ABOVE

KEY NOTES



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GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

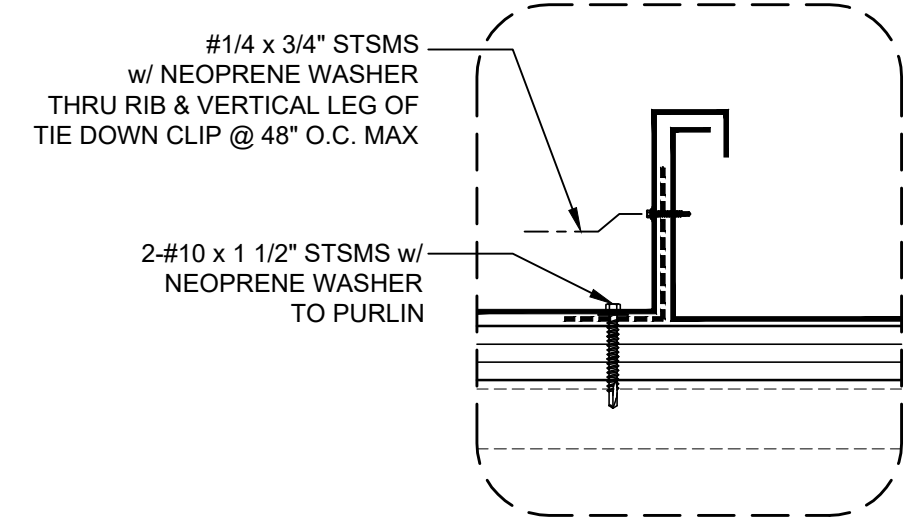
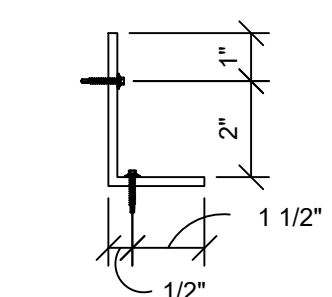
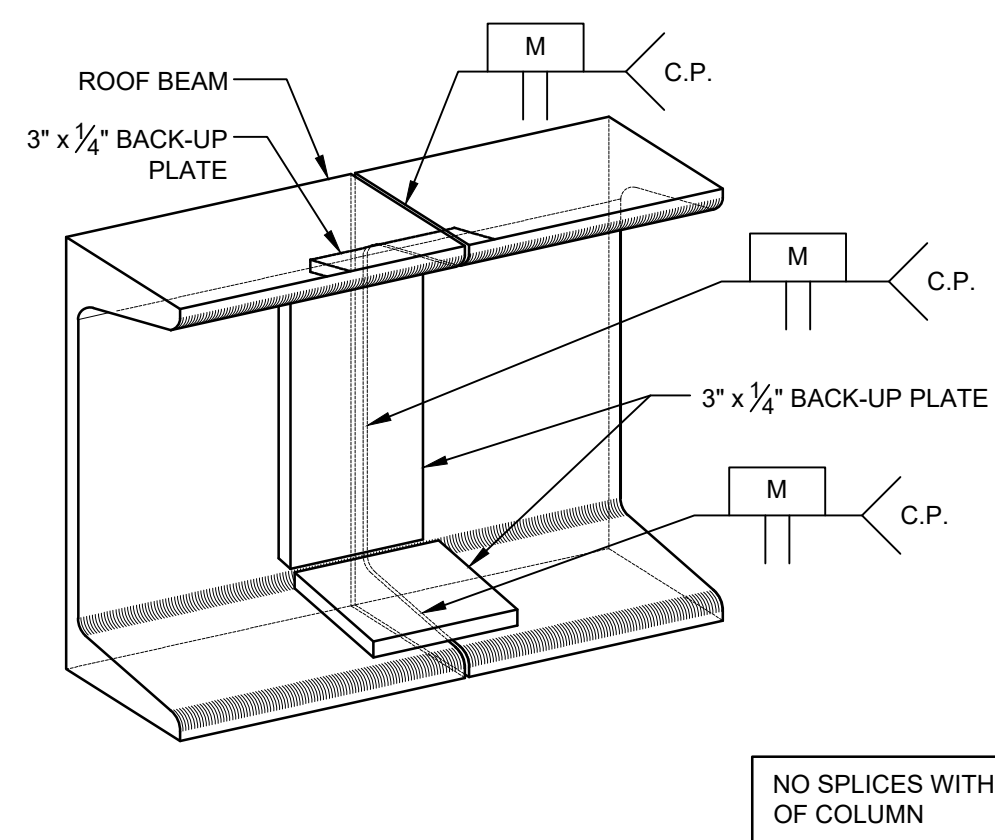
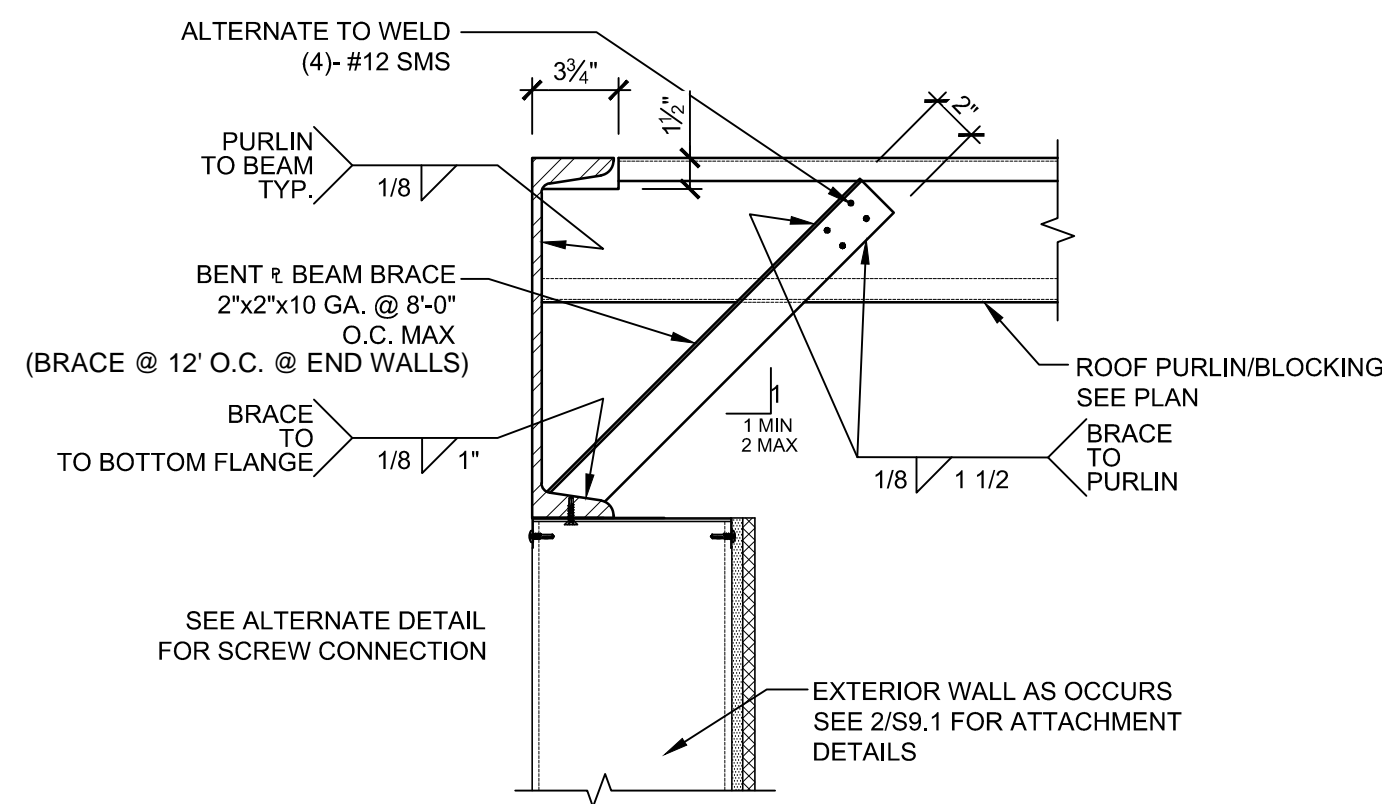
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No. C12631
Ren. 3-31-23
STATE OF CALIFORNIA
MANU P. FRIESTER
REGISTERED PROFESSIONAL STRUCTURAL ENGINEER
No. 53380
STATE OF CALIFORNIA
09/20/2021
RST#20203
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REVISIONS

DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20

SHEET TITLE:
ROOF FRAMING PLAN UPPER FLOOR

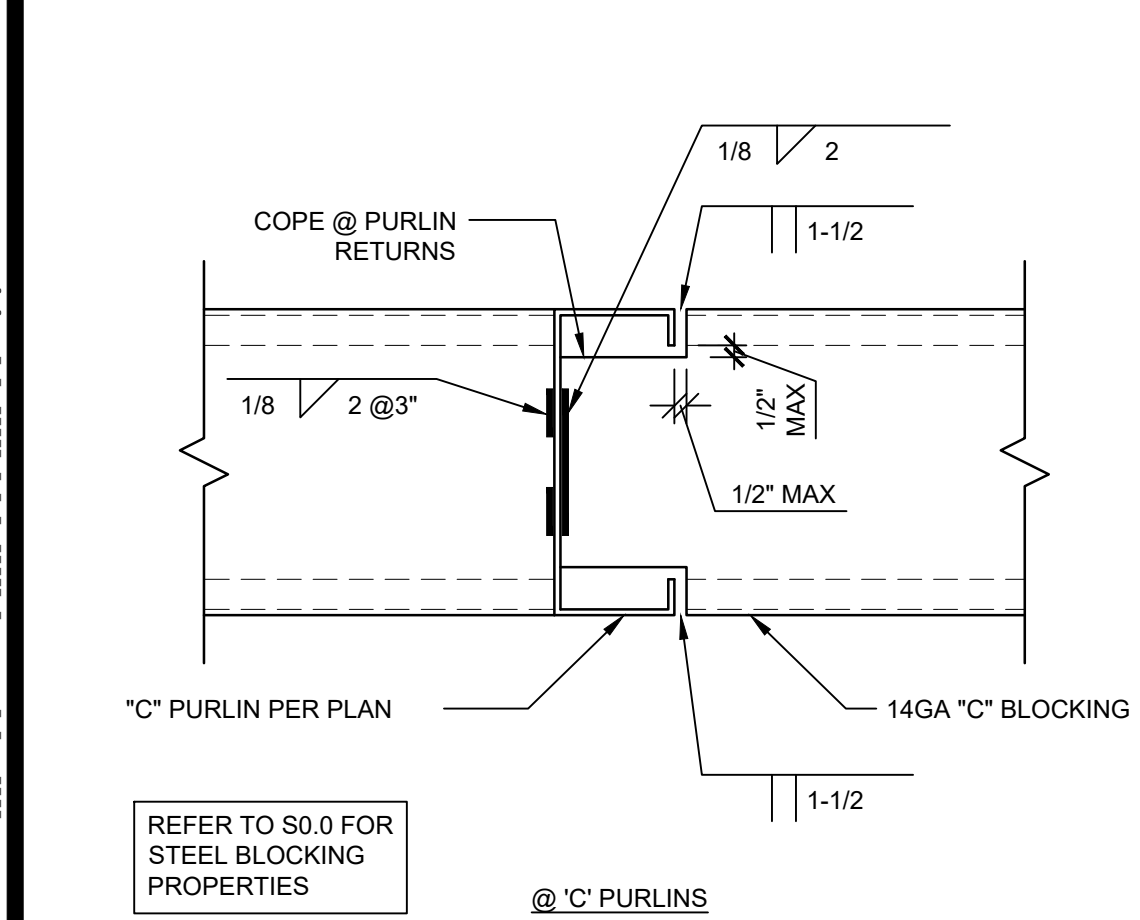
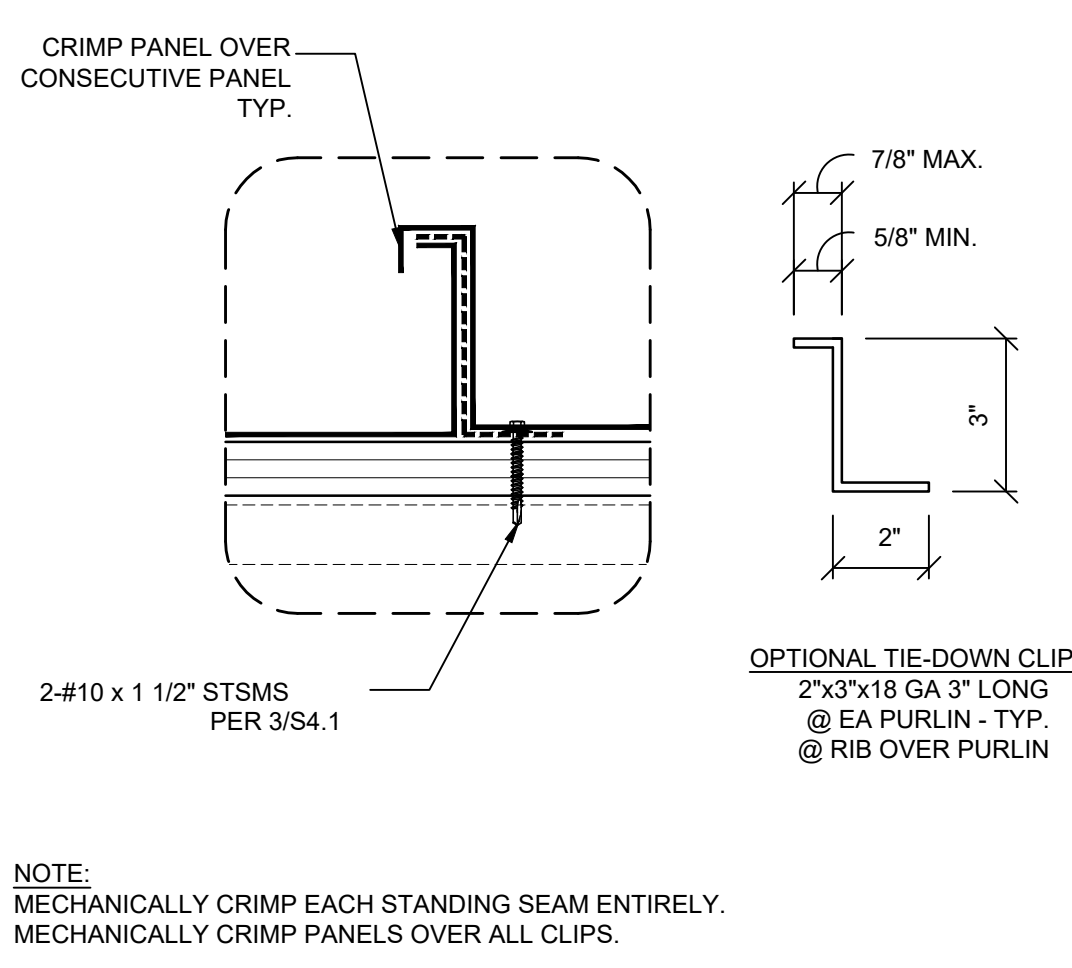
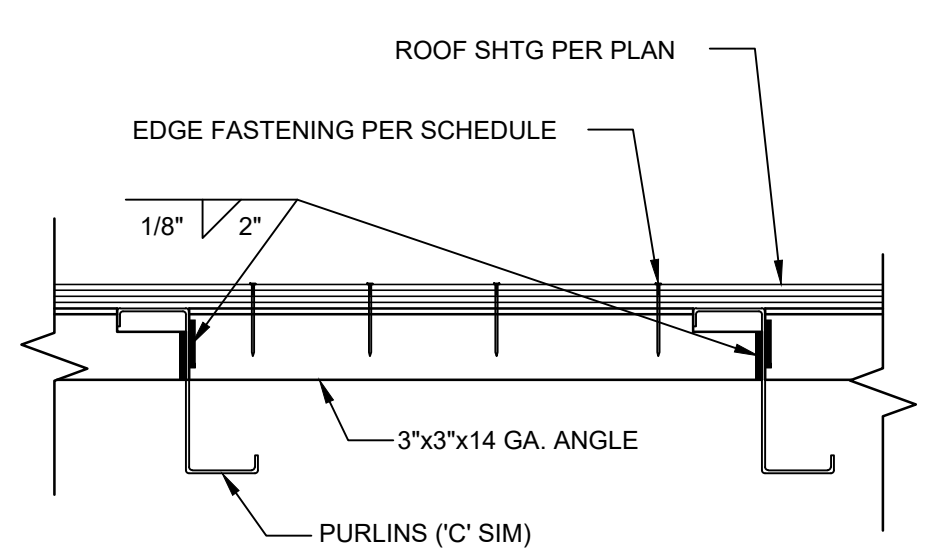
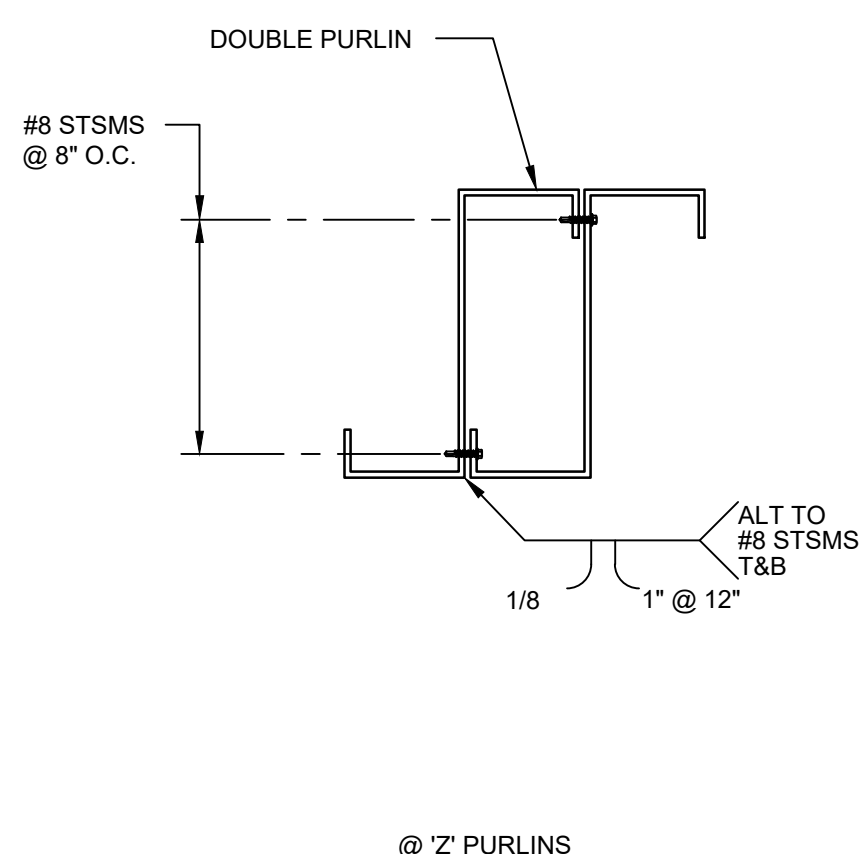
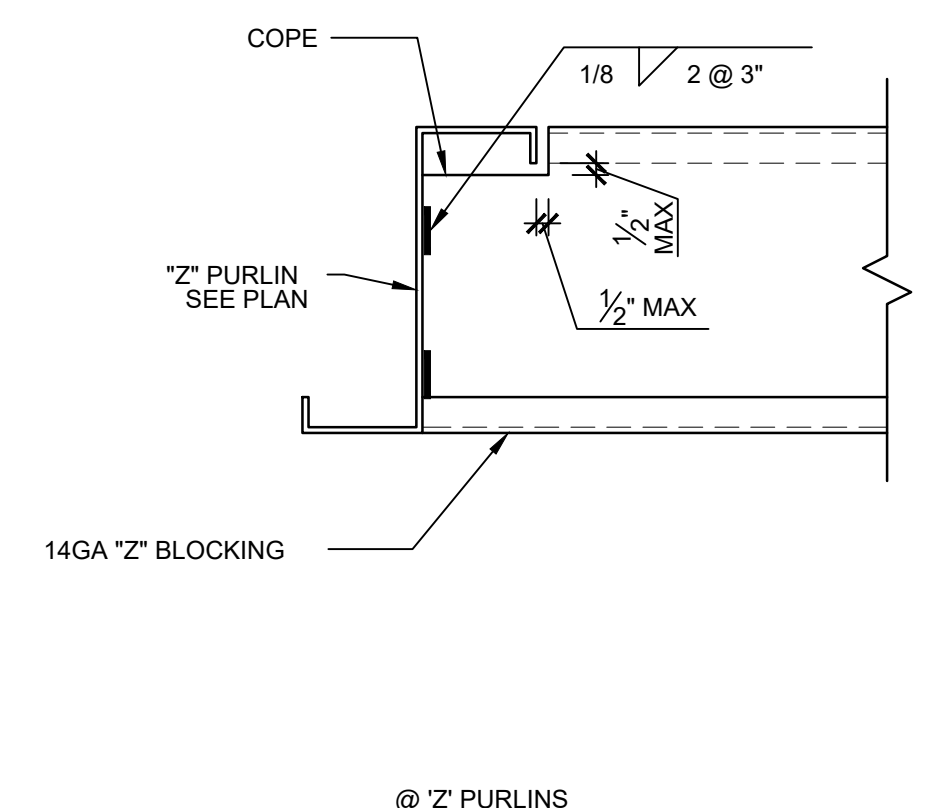
SHEET NUMBER:
S4.0



UPPER FLOOR PURLIN CONNECTION @ SIDEWALL SCALE: 1 1/2"=1'-0" 1

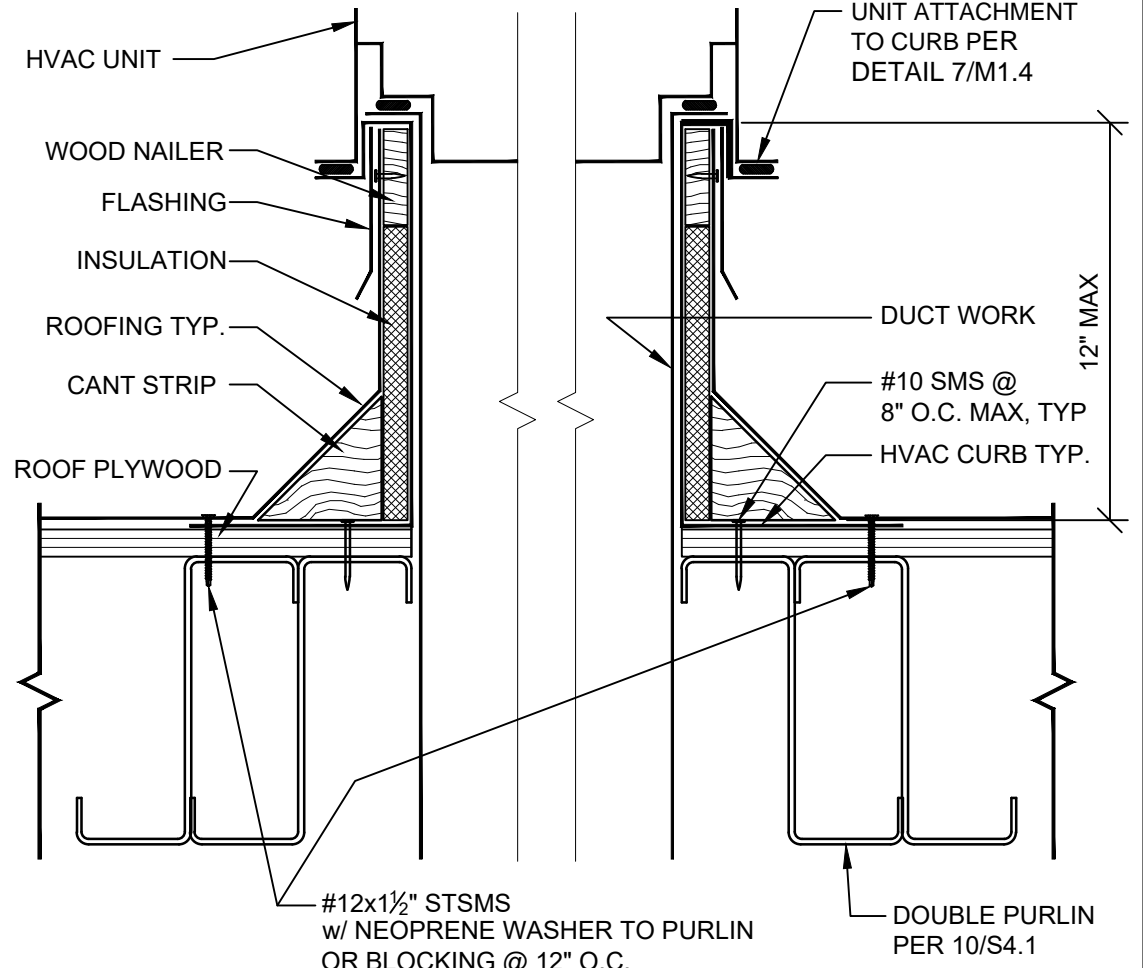
ROOF BEAM SPLICE DETAIL SCALE: N.T.S. 1A

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



ALTERNATE BLOCKING DETAIL SCALE: 1 1/2"=1'-0" 7

ROOF DETAIL (OPTIONAL ROOF PAN CLIP) SCALE: N.T.S. 8



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

DOUBLE PURLIN CONNECTION SCALE: 1 1/2"=1'-0" 10

HVAC CURB DETAIL SCALE: 1 1/2"=1'-0" 11

NOT USED 12

NOT USED 13

NOT USED 14

NOT USED 15

NOT USED 16

NOT USED 17

GENERAL NOTES

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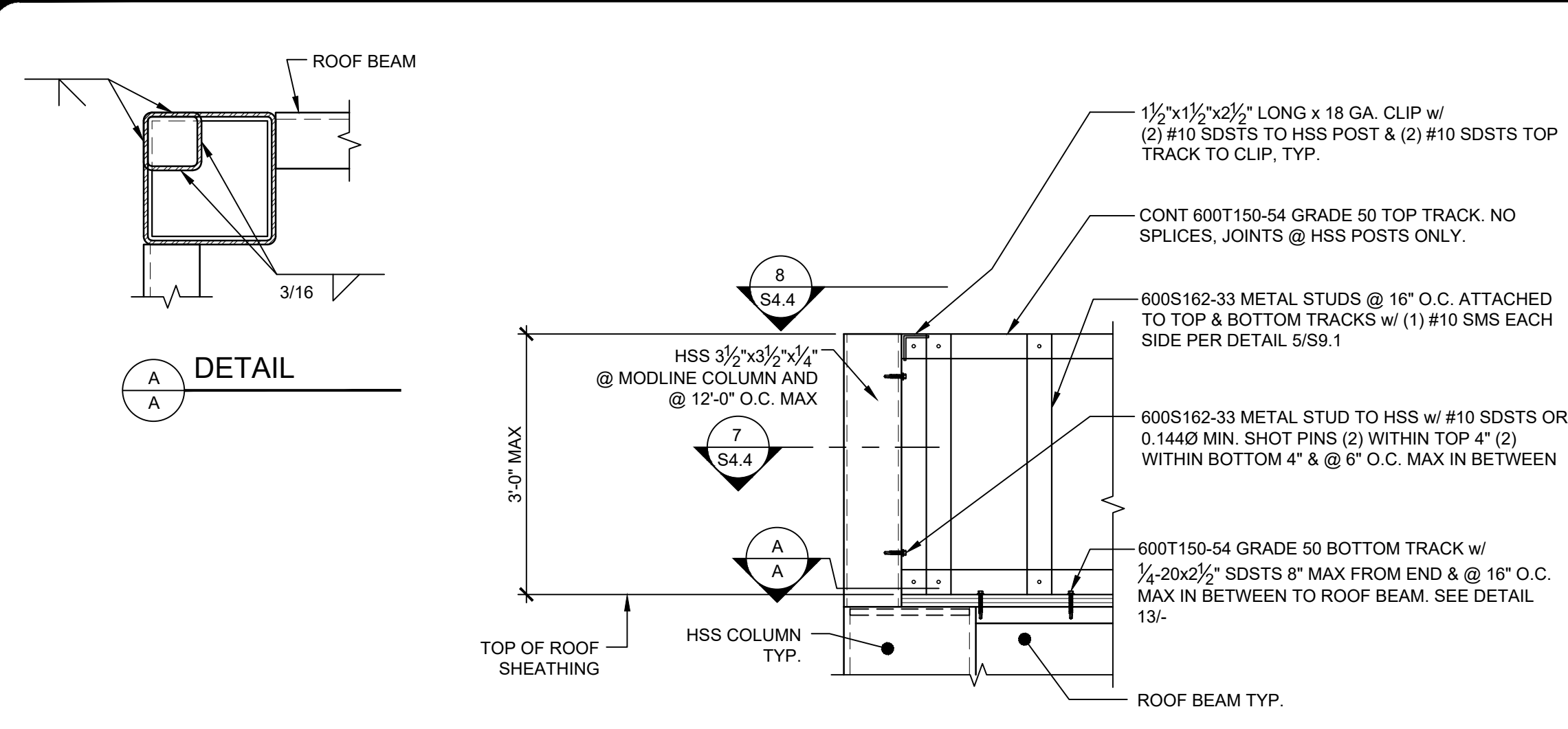
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 PATRICK CHAN
 No. C12631
 Ren. 3-31-23
 STATE OF CALIFORNIA

 LICENSED PROFESSIONAL ENGINEER
 MANNY P. FRISLER
 No. 53380
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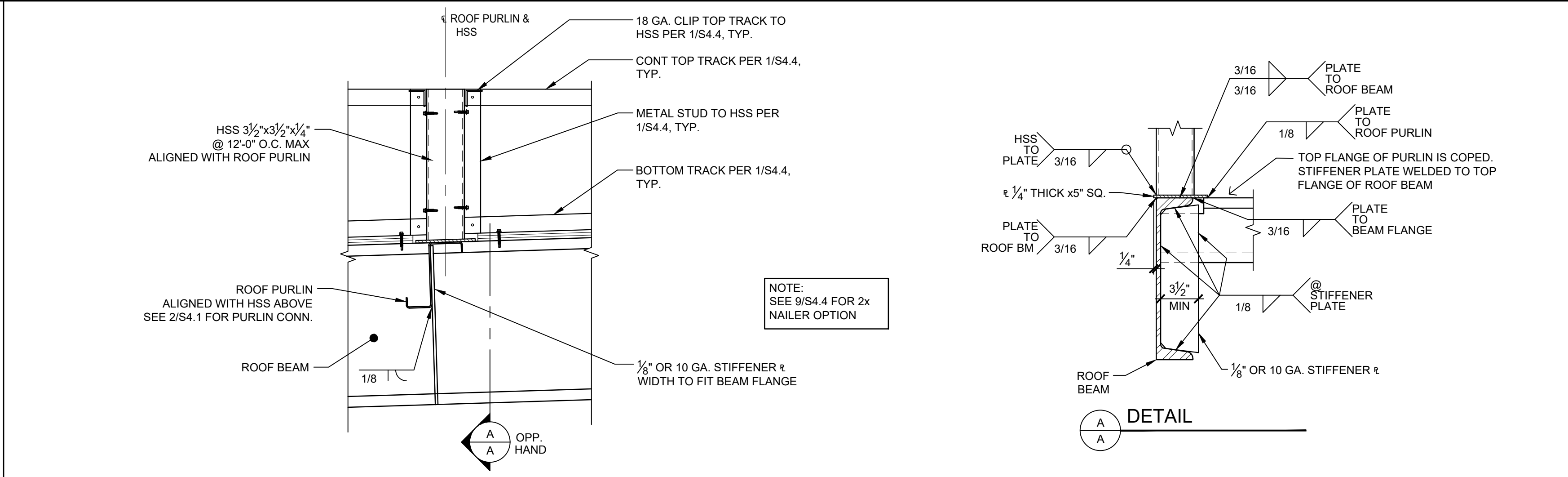
REVISIONS
 1. THE MATERIAL THICKNESS OF LIGHT GAUGE STRUCTURAL MEMBERS, IN THEIR END USE, SHALL MEET OR EXCEED THE MINIMUM BASE METAL THICKNESS SPECIFIED ON SHEET S0.0 THE MATERIAL GAGE DESIGNATION IN THE PLAN SHALL BE USED AS REFERENCE ONLY.

DRAWN BY: AH
 SCALE: AS NOTED
 DATE: 07/05/21
 PROJECT NO: 1614-20
 SHEET TITLE:
 ROOF FRAMING DETAILS UPPER FLOOR
 SHEET NUMBER:

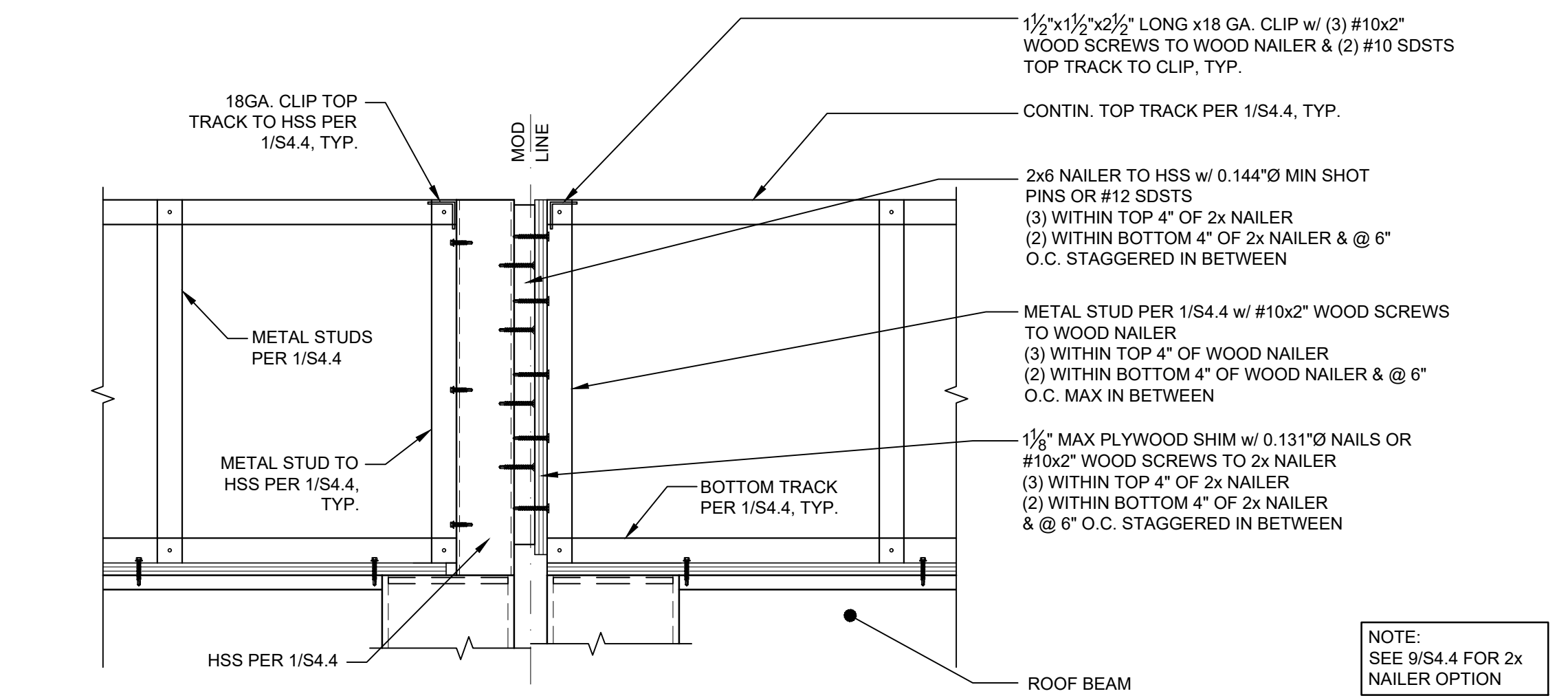
S4.1



PARAPET @ CORNER SCALE: 1 1/2"=1'-0"



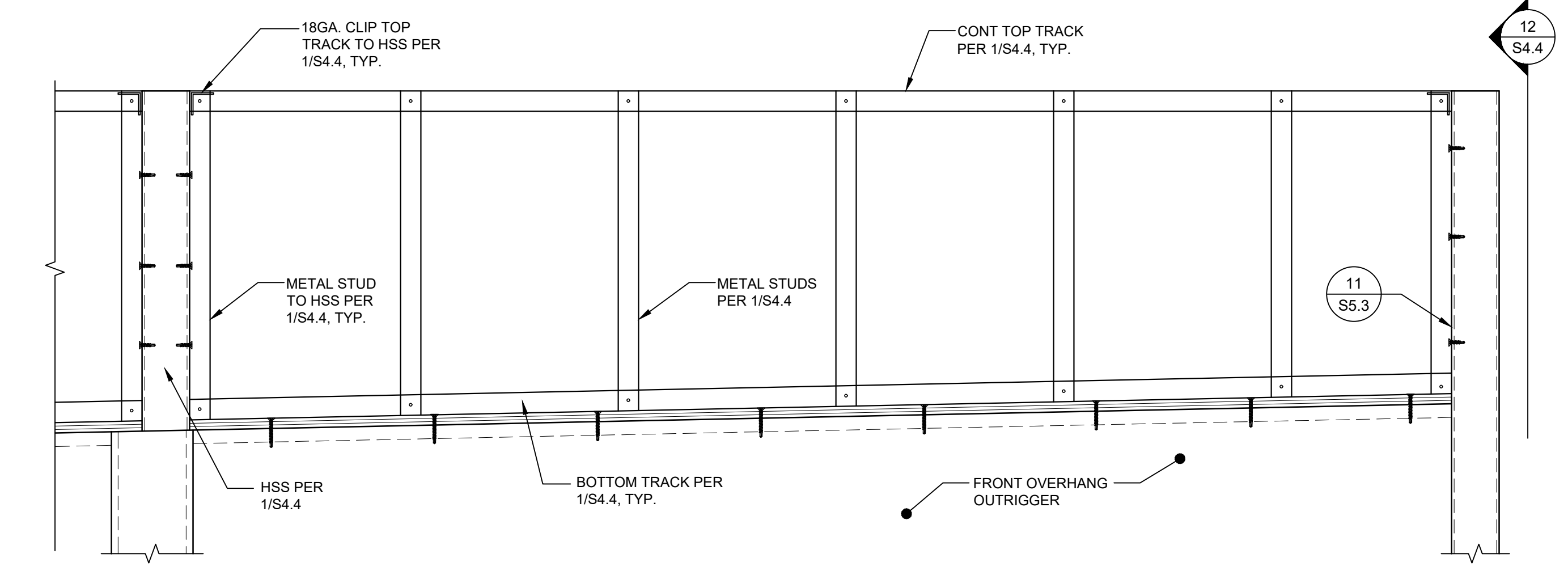
PARAPET @ LONGITUDINAL FRAMES SCALE: 1 1/2"=1'-0"



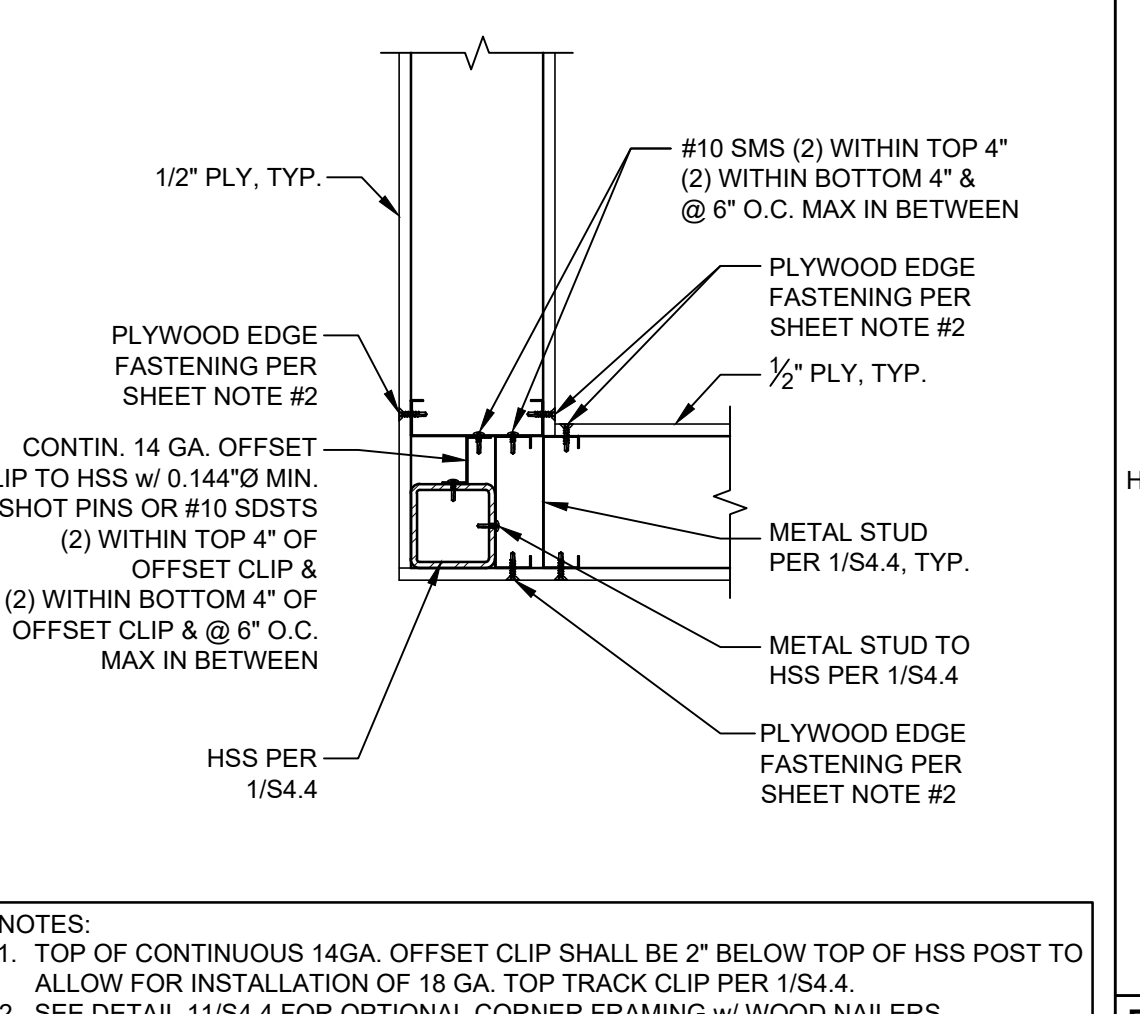
PARAPET @ MODLINE OVER TRANSVERSE FRAMES SCALE: 1 1/2"=1'-0"



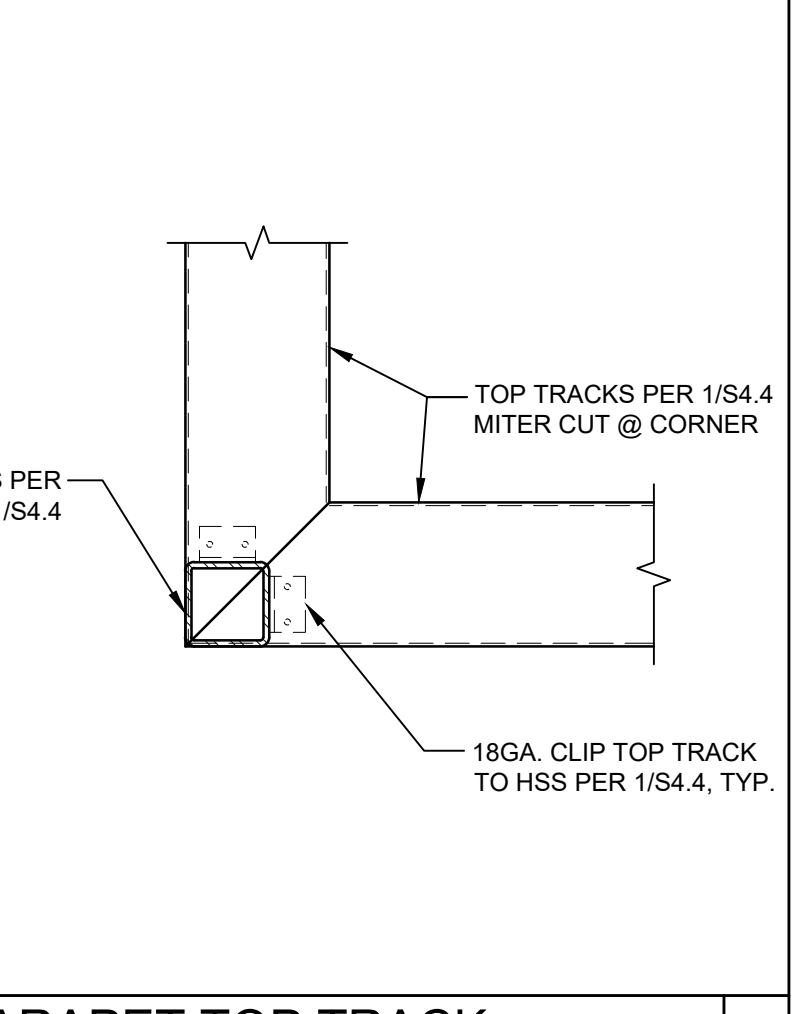
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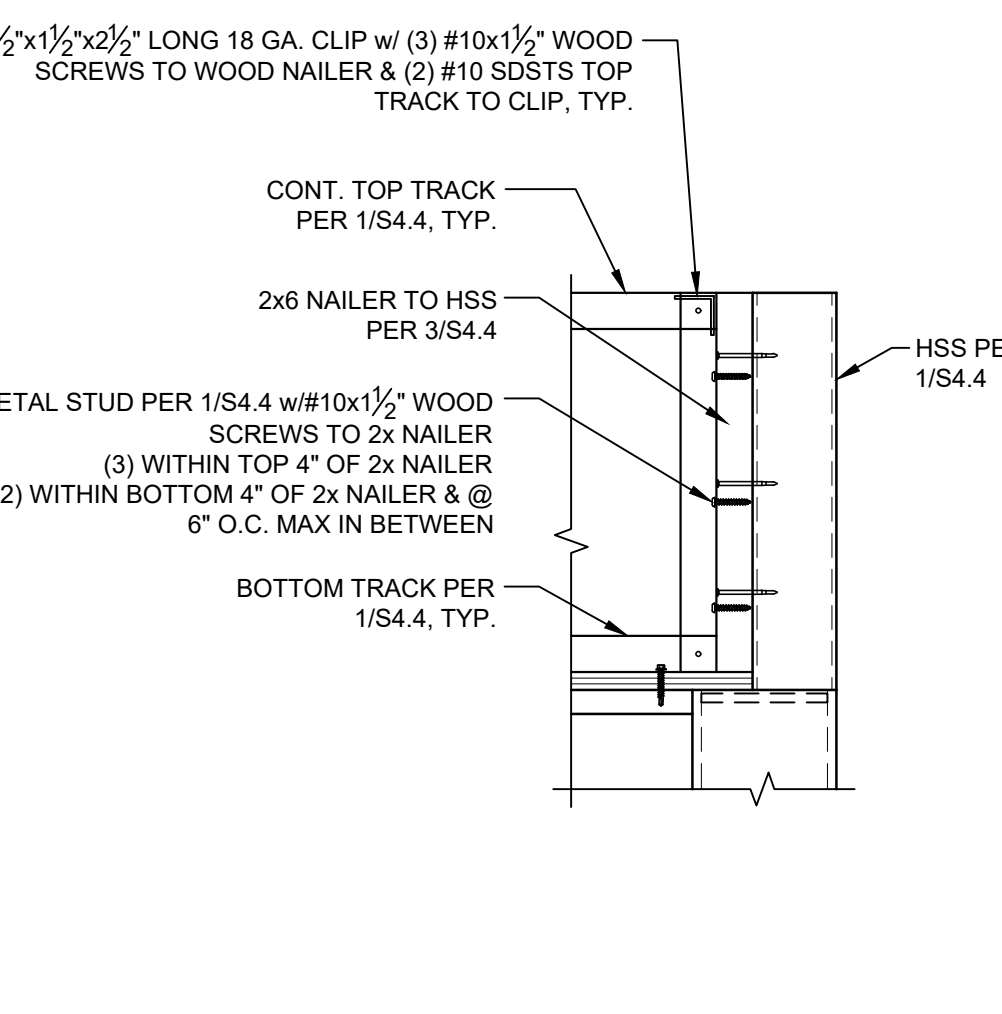
PARAPET AT FRONT OVERHANG SCALE: 1 1/2"=1'-0"



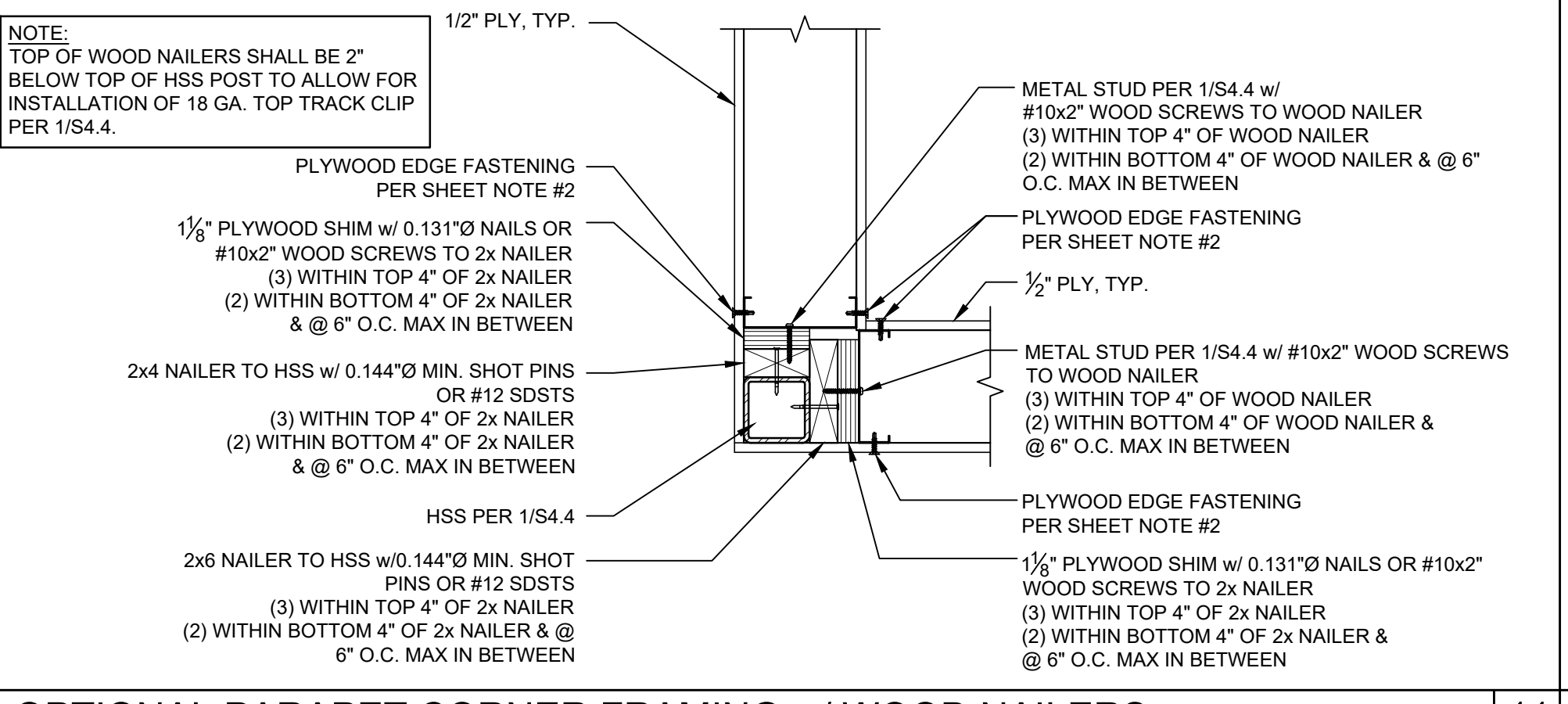
PARAPET CORNER FRAMING DETAIL SCALE: 1 1/2"=1'-0"



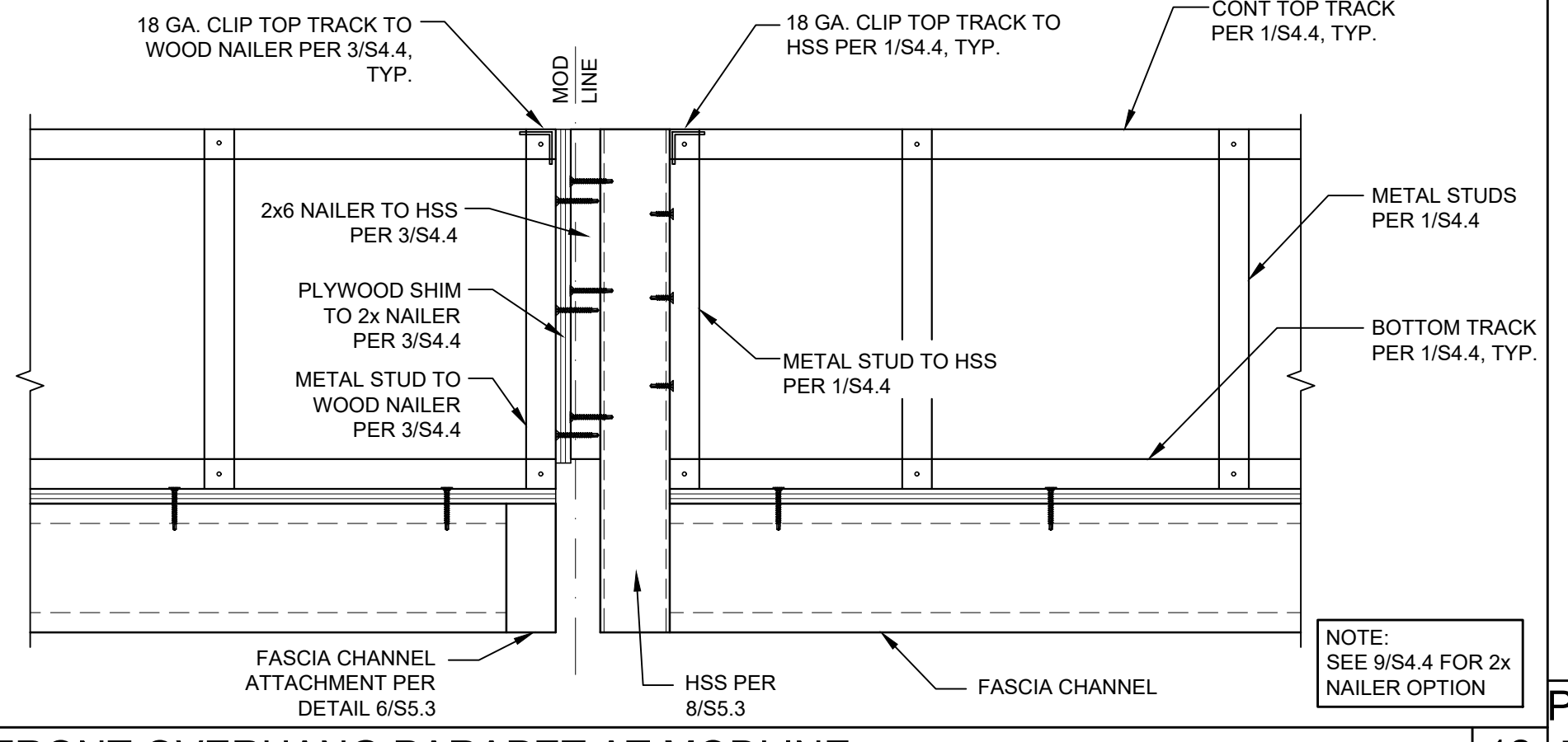
PARAPET TOP TRACK CORNER DETAIL SCALE: 1 1/2"=1'-0"



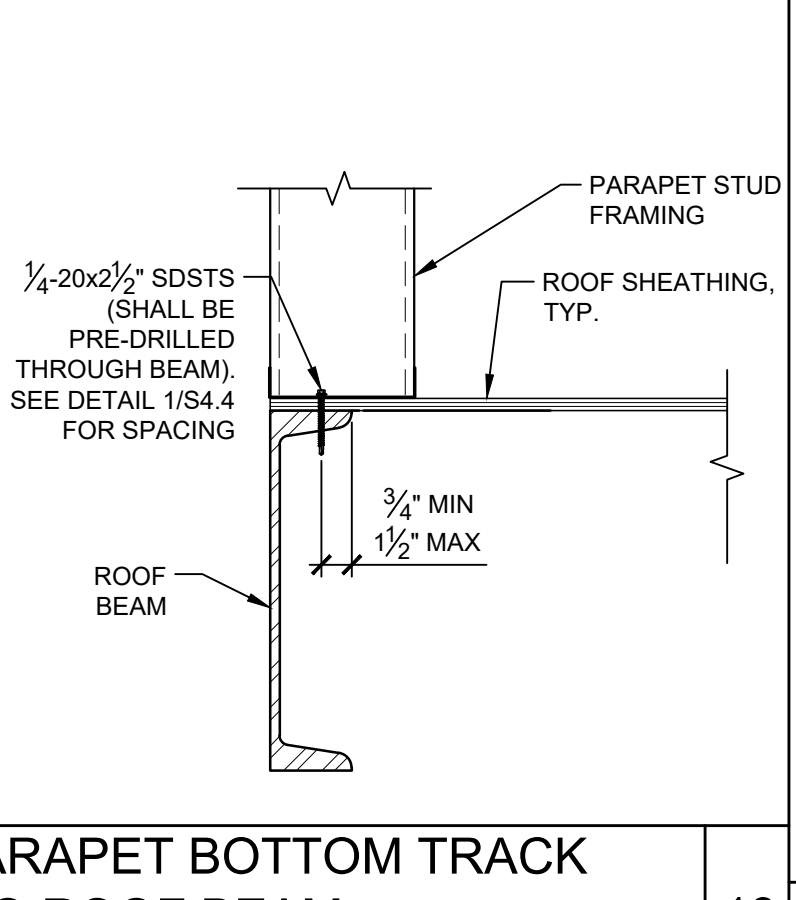
2x NAILER OPTION SCALE: 1 1/2"=1'-0"



OPTIONAL PARAPET CORNER FRAMING w/ WOOD NAILERS SCALE: 1 1/2"=1'-0"



FRONT OVERHANG PARAPET AT MODLINE SCALE: 1 1/2"=1'-0"



PARAPET BOTTOM TRACK TO ROOF BEAM SCALE: 1 1/2"=1'-0"

SHEET NOTES

NOTES:
1. ALL SHOT PINS AND SDSTS SHALL HAVE A CODE APPROVED EVALUATION REPORT.
2. PLYWOOD FASTENING: #10 S.T.S.M.S. COMPLYING w/ ASTM C1513, @ 6" O.C. EDGE & 12" O.C. FIELD

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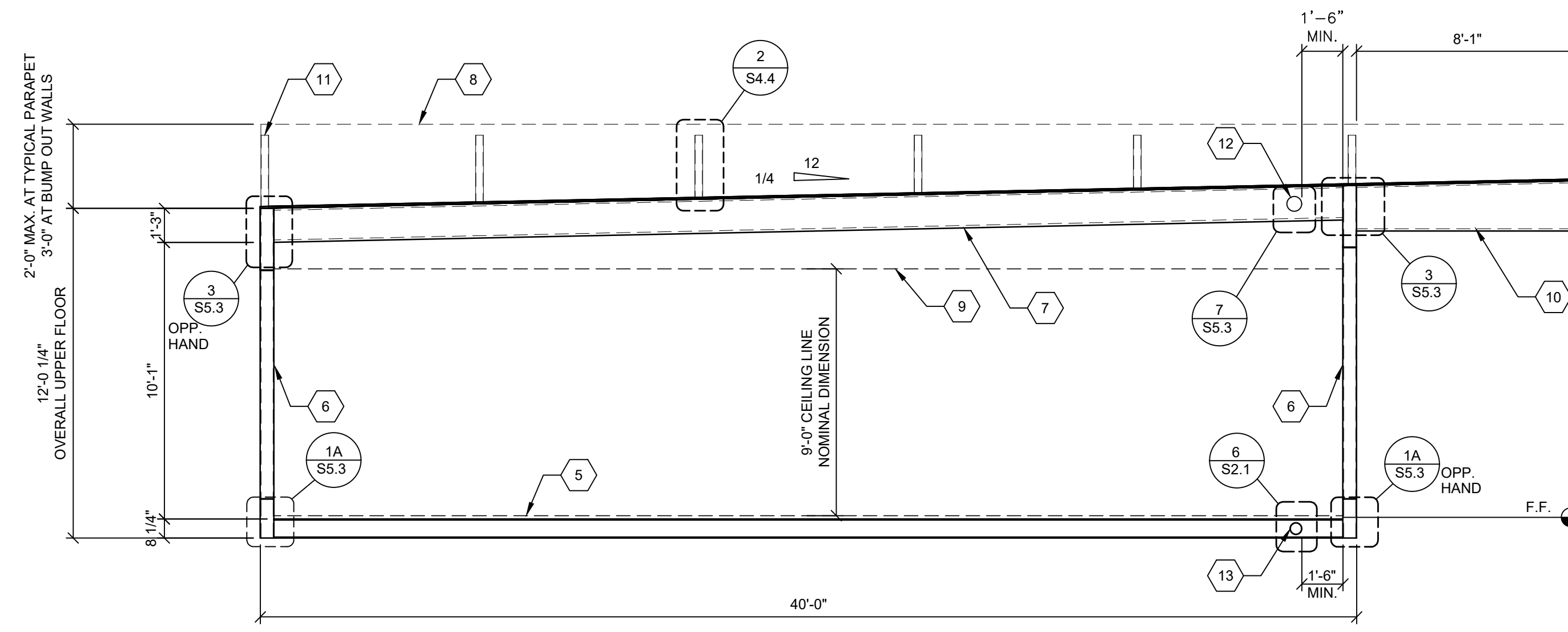
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09/20/2021
RST#20203
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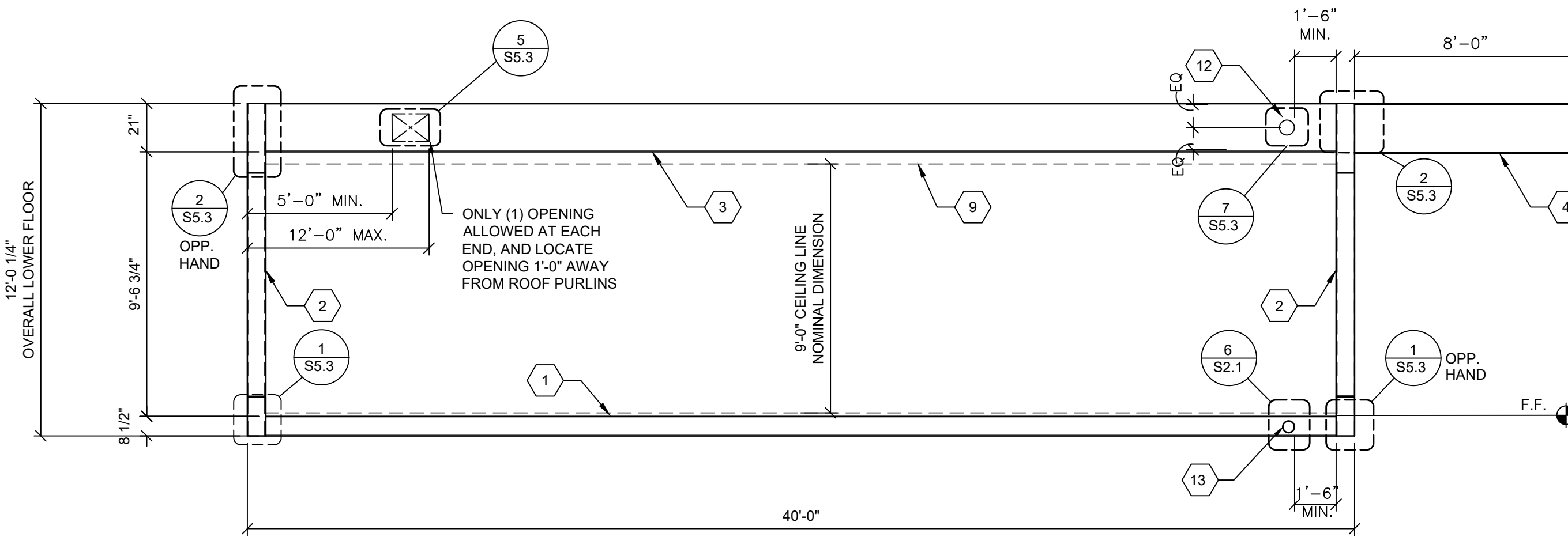
REVISIONS

DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE:
PARAPET DETAILS
SHEET NUMBER:
S4.4



UPPER FLOOR LONGITUDINAL FRAME ELEVATION

1



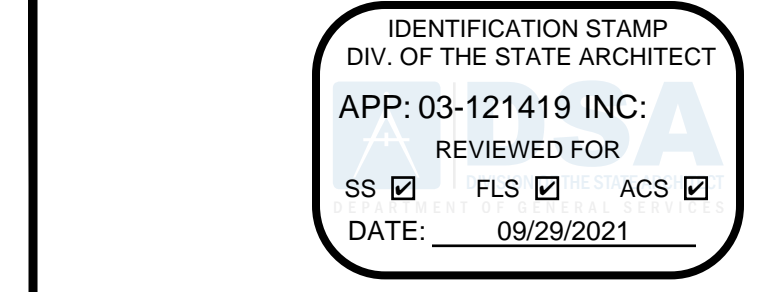
GROUND FLOOR LONGITUDINAL FRAME ELEVATION

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

2

KEY NOTES

- 1 GROUND FLOOR FLOOR BEAM - SEE SCHEDULE BELOW
- 2 GROUND FLOOR HSS COLUMN - SEE SCHEDULE BELOW
- 3 GROUND FLOOR ROOF BEAM - SEE SCHEDULE BELOW
- 4 GROUND FLOOR ROOF OVERHANG OUTRIGGER BEAM - SEE SCHEDULE BELOW
- 5 UPPER FLOOR FLOOR BEAM - SEE SCHEDULE BELOW
- 6 UPPER FLOOR HSS COLUMN - SEE SCHEDULE BELOW
- 7 UPPER FLOOR ROOF BEAM - SEE SCHEDULE BELOW
- 8 PARAPET LINE (NOTE: PARAPETS NOT PERMITTED AT INTERIOR MODLINE BEAMS)
- 9 CEILING LINE
- 10 TAPERED 20"-22" DEEP x 14GA UPPER FLOOR FORMED OVERHANG OUTRIGGER CHANNEL - REFER TO S0.0
- 11 HSS 3 1/2x3 1/2x1/4 PARAPET COLUMN @ 12'-0" O.C. MAX SEE SHEETS S4.4 FOR DETAILS (NOTE: PARAPETS NOT PERMITTED AT INTERIOR MODLINES BEAMS)
- 12 6" MAX OPENING IN WEB OF ROOF BEAM WITHOUT WEB REINFORCEMENT PER DETAIL S2.1 SPACED @ 48" O.C. MIN. HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF ROOF BEAM WITH DIRECT FOUNDATION SUPPORT BELOW EXCEPT AS NOTED OTHERWISE ON FRAMING ELEVATION OR ACROSS VENT OPENINGS (NOTE: IF HOLED ARE 3"Ø OR LESS, THEY MAY BE SPACED @ 24" O.C. MIN. w/ NO REINFORCEMENT REQUIRED)
- 13 4" Ø MAX OPENING IN WEB OF FLOOR BEAM WITHOUT WEB REINFORCEMENT PER DETAIL S2.1 SPACED @ 48" O.C. MIN. HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF FLOOR BEAM WITH DIRECT FOUNDATION SUPPORT BELOW EXCEPT AS NOTED OTHERWISE ON FRAMING ELEVATION. OPENINGS ARE NOT ALLOWED WHERE BEAMS ARE SPANNING BETWEEN FOUNDATION OR ACROSS VENT OPENINGS (NOTE: IF HOLED ARE 2"Ø OR LESS, THEY MAY BE SPACED @ 24" O.C. MIN.)



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American Modular Systems

787 Spreckels Ave.,
Manteca, CA 95336
Phone (209) 825-1921
Fax (209) 825-7018
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SET NAME
(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC

Patricia J. Amodeo
REGISTERED ARCHITECT
No. C12631
Ren. 3-31-23
STATE OF CALIFORNIA

Matthew P. ...
REGISTERED PROFESSIONAL
No. 53380
STRUCTURAL
STATE OF CALIFORNIA

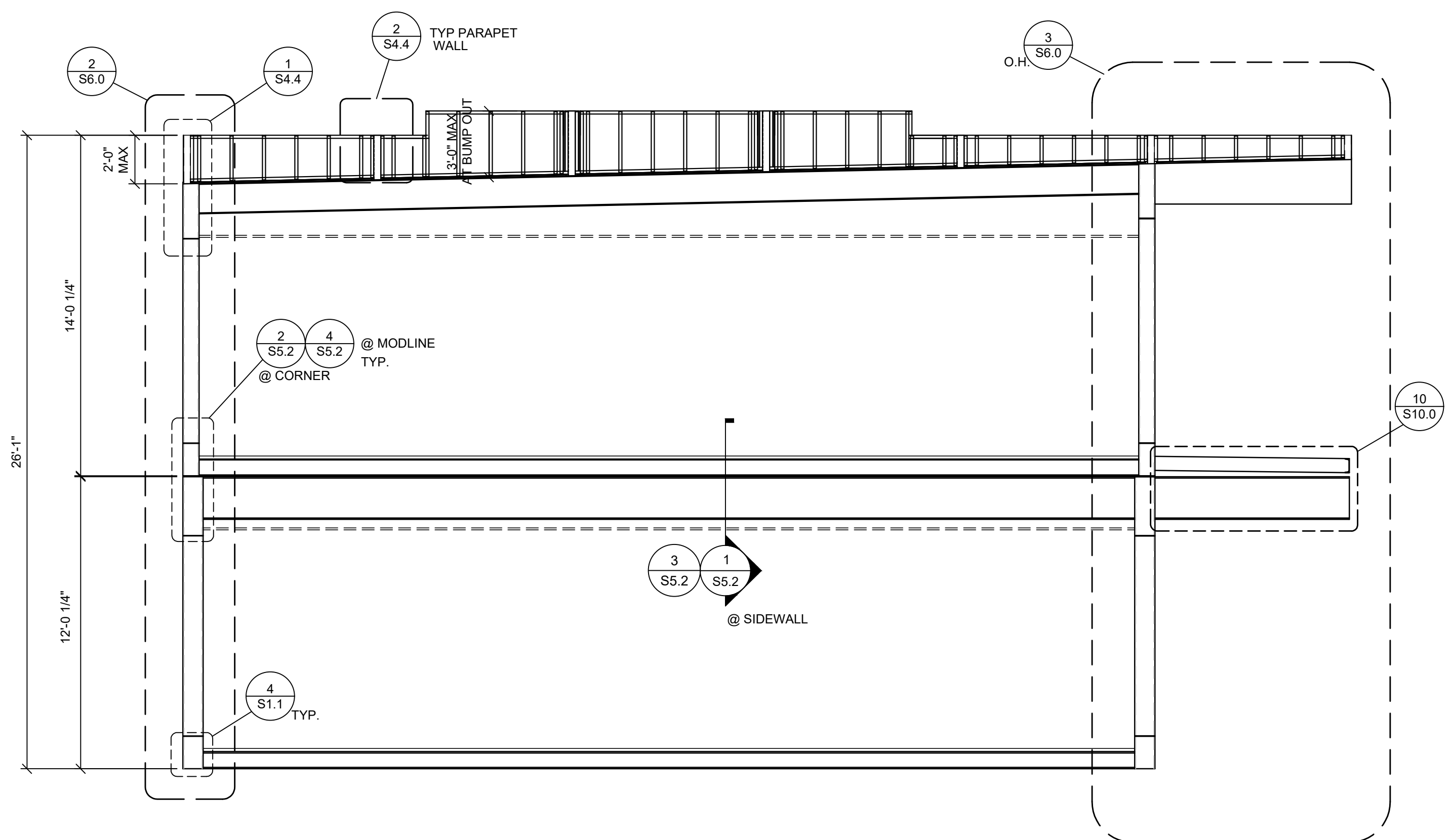
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	FLOOR BEAMS	COLUMNS	ROOF BEAMS	ROOF OVERHANG OUTRIGGER BEAM
UPPER FLOOR	W8x21	HSS 8x8x1/2	C15x33.9 (50 KSI)	PER KEYNOTE 10 ABOVE
GROUND FLOOR	W8x48	HSS 10x10x1/2	W21x62	W21x62

FRAME MEMBER SCHEDULE

3B



LONGITUDINAL BUILDING ELEVATION

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

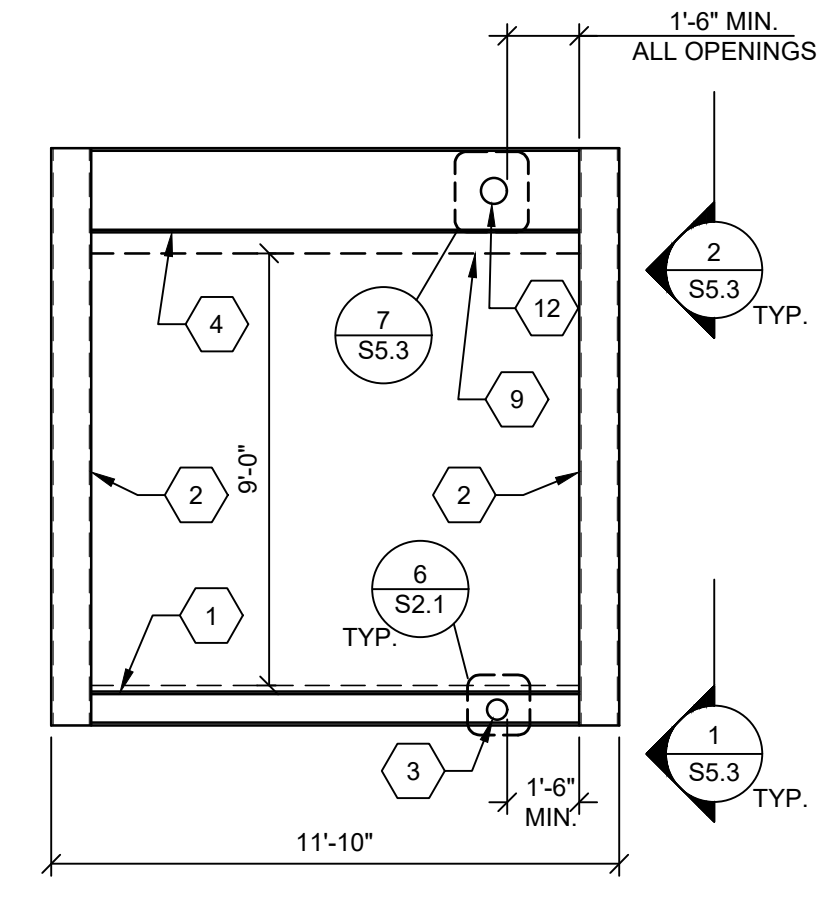
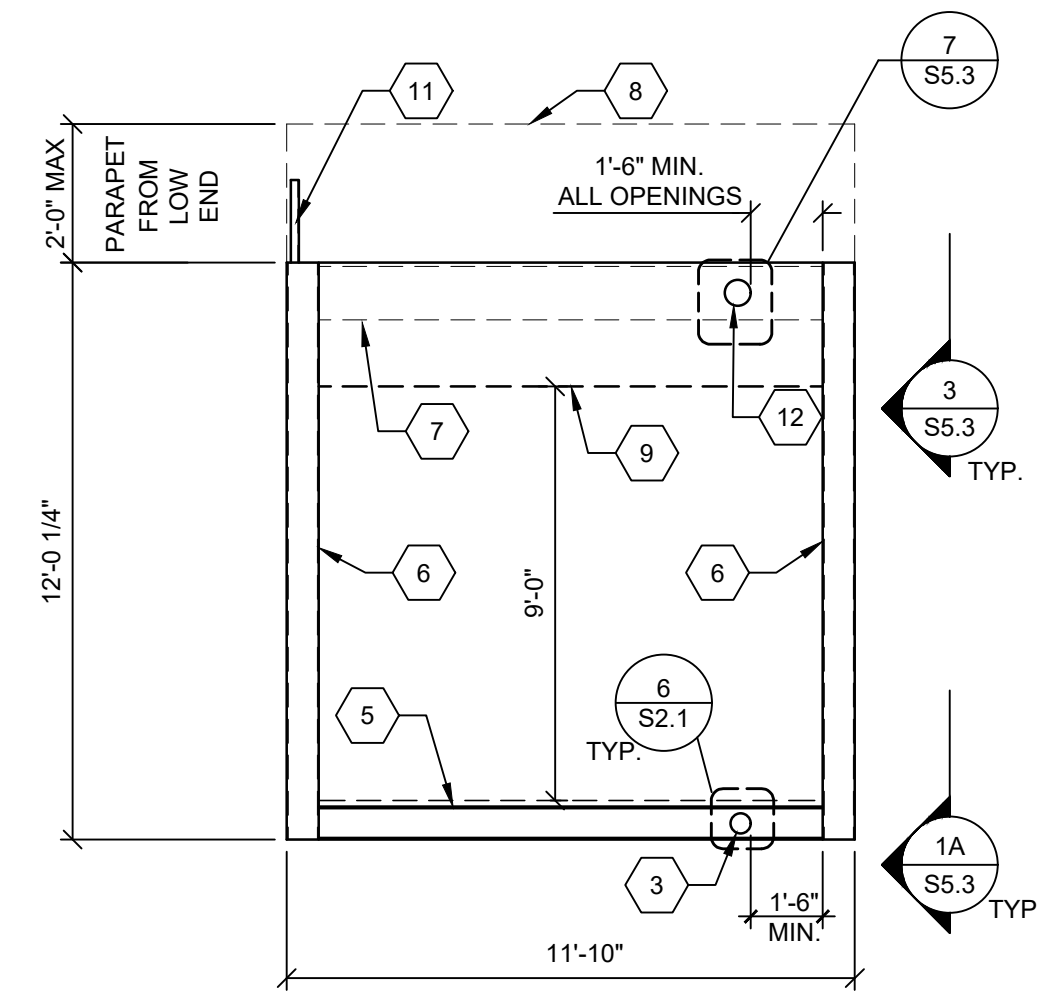
3

REVISIONS

DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20

SHEET TITLE:
LONGITUDINAL MOMENT FRAME ELEVATIONS

SHEET NUMBER:
S5.0



- 1 GROUND FLOOR FLOOR BEAM - SEE SCHEDULE SHEET S5.0
- 2 GROUND FLOOR HSS COLUMN - SEE SCHEDULE SHEET S5.0
- 3 4"Ø MAX OPENING IN WEB OF FLOOR BEAM WITHOUT WEB REINFORCEMENT PER DETAIL 6/S2.1 SPACED @ 48" O.C. MIN. HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF FLOOR BEAM WITH DIRECT FOUNDATION SUPPORT BELOW. EXCEPT AS NOTED OTHERWISE ON FRAMING ELEVATION. OPENINGS ARE NOT ALLOWED WHERE BEAMS ARE SPANNING BETWEEN FOUNDATIONS OR ACROSS VENT OPENINGS
- 4 GROUND FLOOR ROOF BEAM - SEE SCHEDULE SHEET S5.0
- 5 UPPER FLOOR FLOOR BEAM - SEE SCHEDULE SHEET S5.0
- 6 UPPER FLOOR HSS COLUMN - SEE SCHEDULE SHEET S5.0
- 7 UPPER FLOOR ROOF BEAM - SEE SCHEDULE SHEET S5.0
- 8 PARAPET LINE
- 9 CEILING LINE NOMINAL 9'-0"
- 10 NOT USED
- 11 HSS 3 1/2x3 1/2x1/4" PARAPET COLUMN @ 12'-0" O.C. MAX - SEE SHEET S4.0 FOR LOCATIONS AND 1/S4.4 FOR DETAIL
- 12 6"Ø MAX OPENING IN WEB OF ROOF BEAM WITHOUT WEB REINFORCING SPACE HOLES @ 48" O.C. MIN. HOLE CAN OCCUR @ ANY LOCATION ALONG LENGTH OF ROOF BEAM EXCEPT AS NOTED OTHERWISE ON FRAMING ELEVATION.

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APP: 03-121419 INC.
REVIEWED FOR
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AMS
American Modular Systems
787 Spreckels Ave.,
Manteca, CA 95336
Phone (209) 825-1921
Fax (209) 825-7018
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TYPICAL END FRAME SECTION UPPER FLOOR

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

TYPICAL END FRAME SECTION GROUND FLOOR

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

KEY NOTES

SET NAME

(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME

GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC

Professional Engineer Seal: PATRICK CANNON, LICENSED ARCHITECT, No. C12631, Ren. 3-31-23, STATE OF CALIFORNIA.

Professional Engineer Seal: MANNY D. FRIEDER, LICENSED PROFESSIONAL ENGINEER, No. 53380, STATE OF CALIFORNIA.

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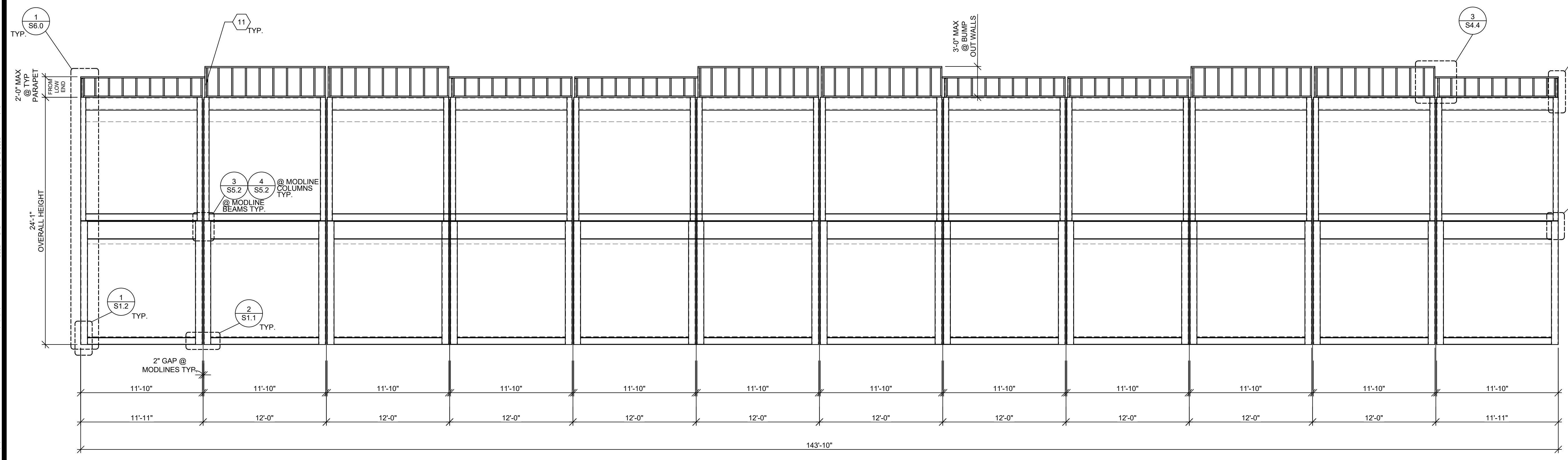
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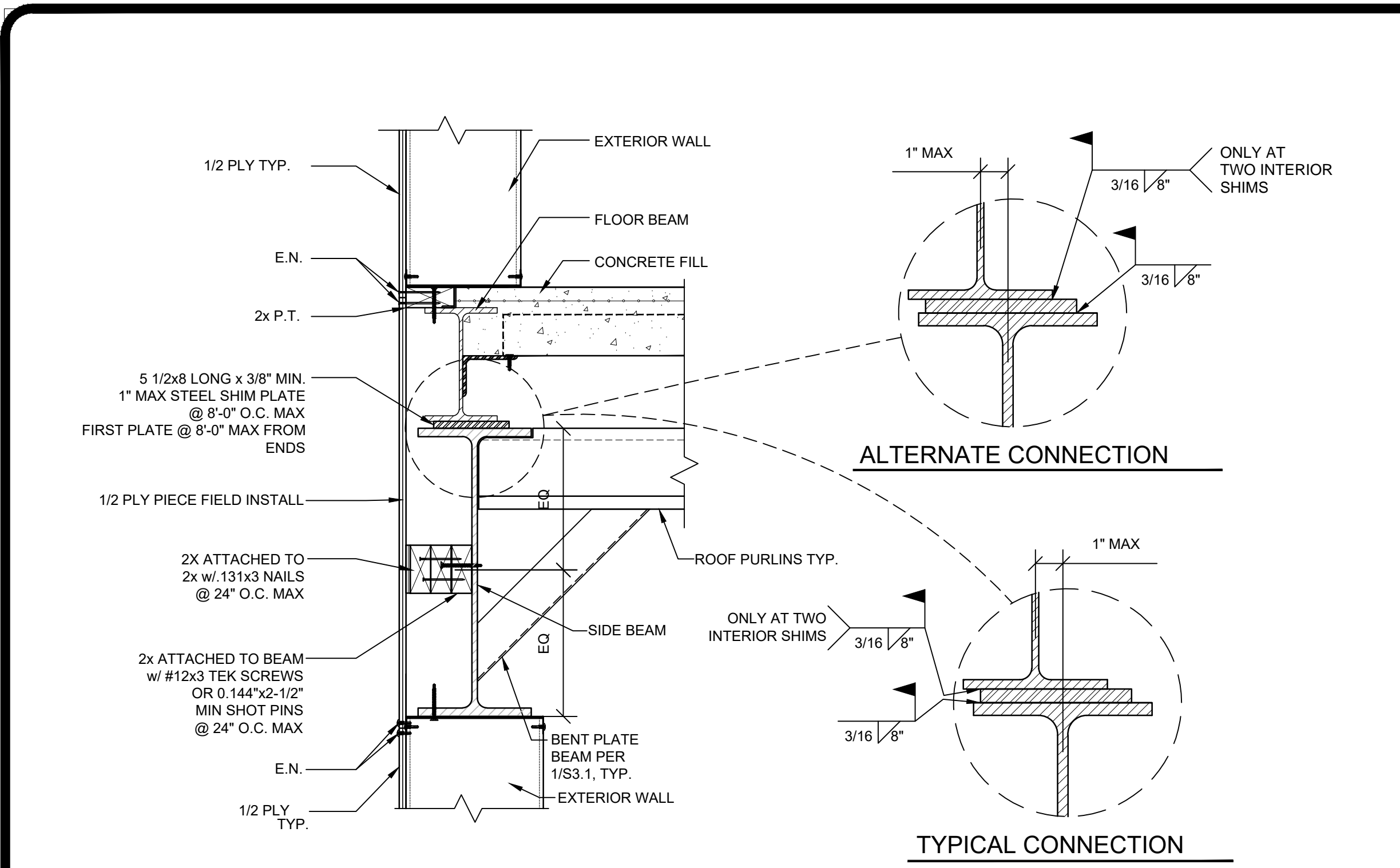
SHEET TITLE:
TRANSVERSE MOMENT FRAME ELEVATIONS

SHEET NUMBER:
S5.1

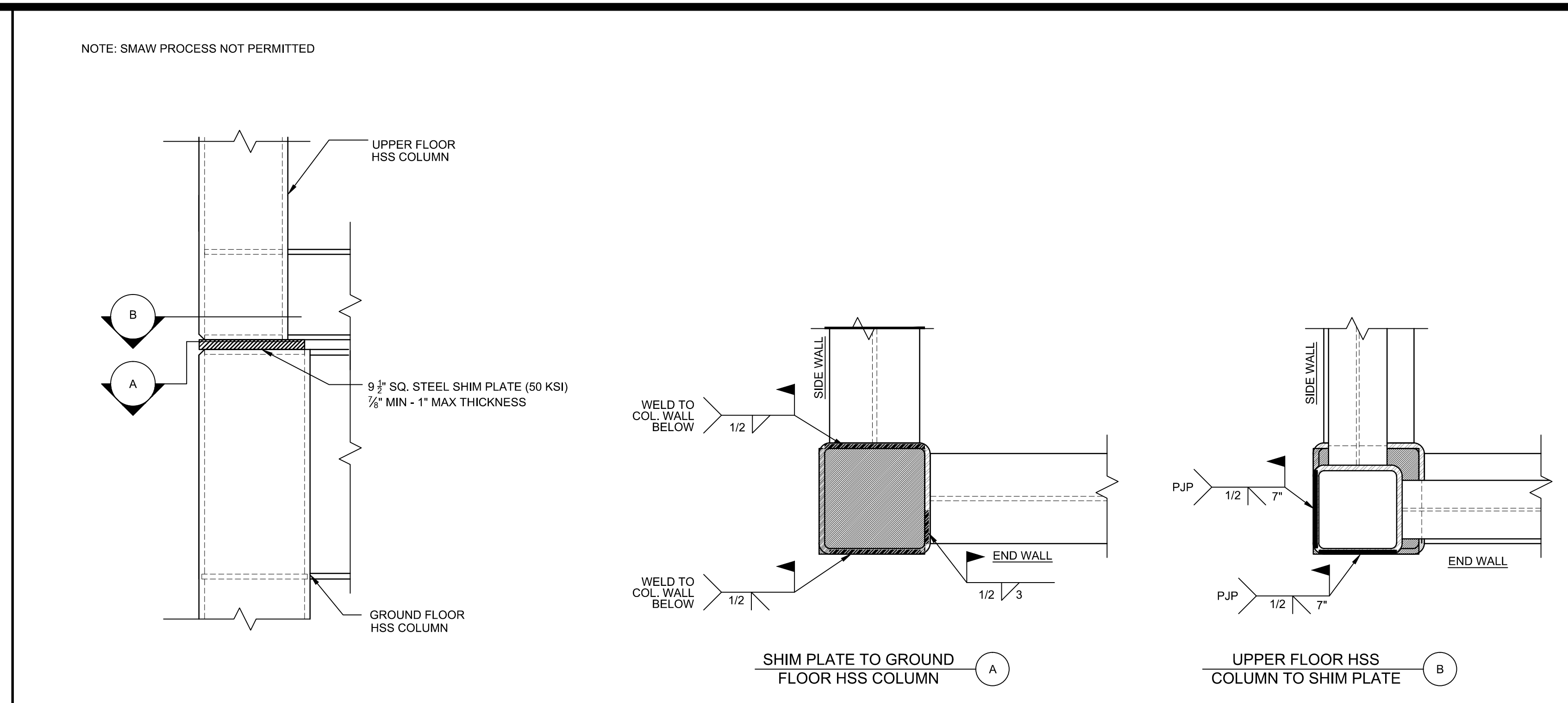


TRANSVERSE FRONT / REAR ELEVATION

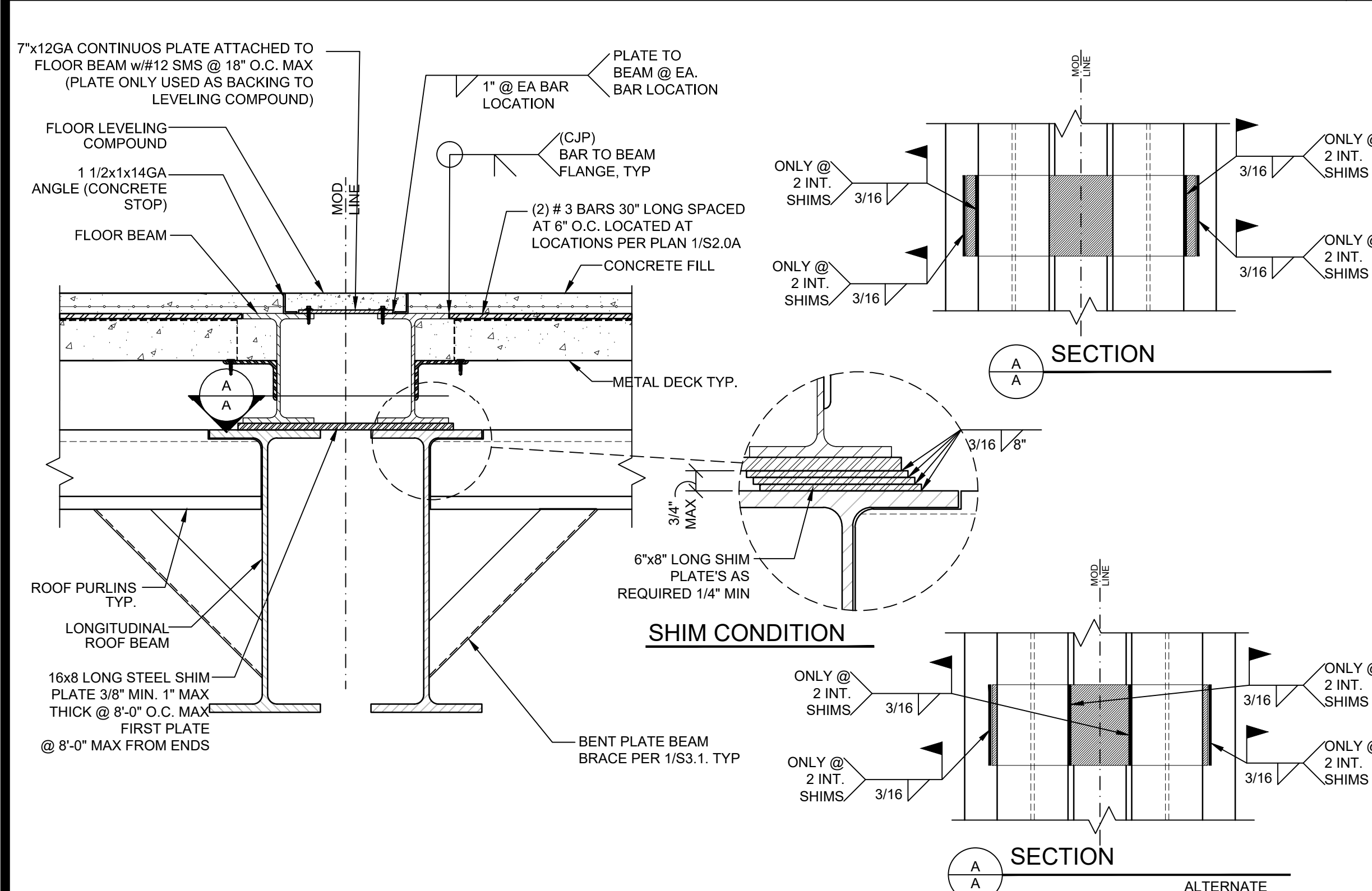
SCALE: 3/16" = 1'-0" 3



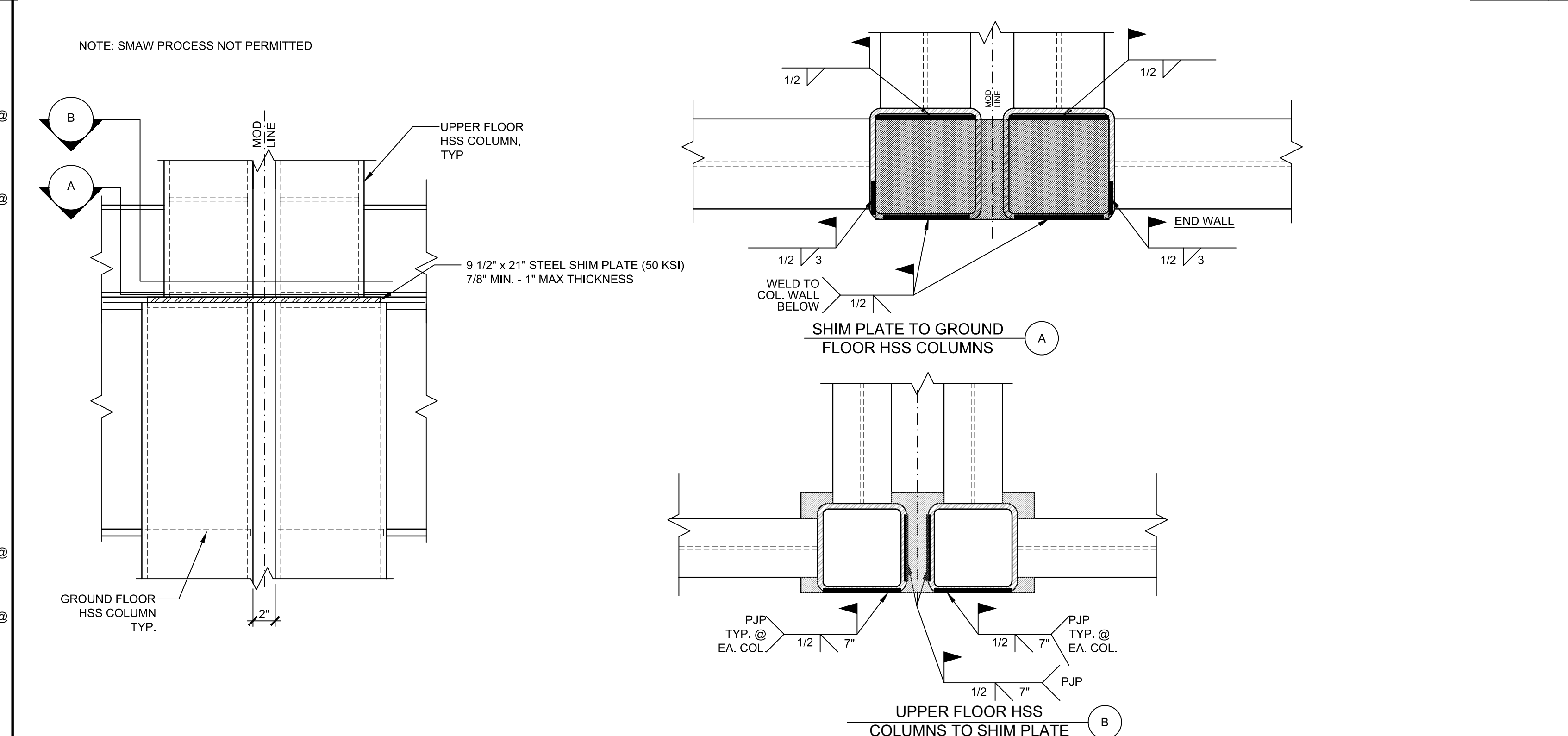
UPPER FLOOR TO GROUND FLOOR CONNECTION @ SIDES SCALE: 1 1/2"=1'-0" 1



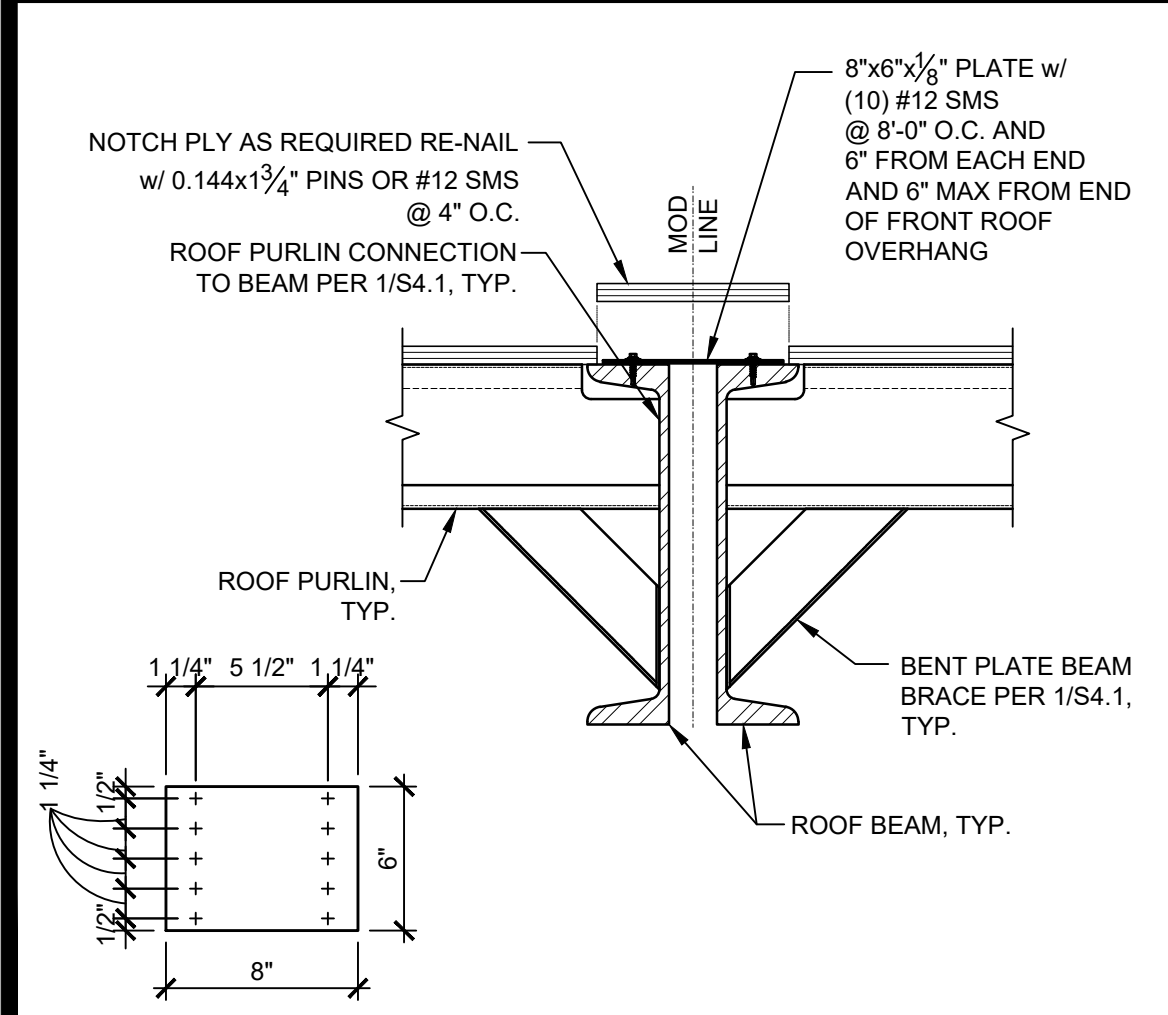
TYPICAL CONNECTION UPPER FLOOR COLUMN TO GROUND FLOOR COLUMN @ CORNERS SCALE: 1 1/2"=1'-0" 2



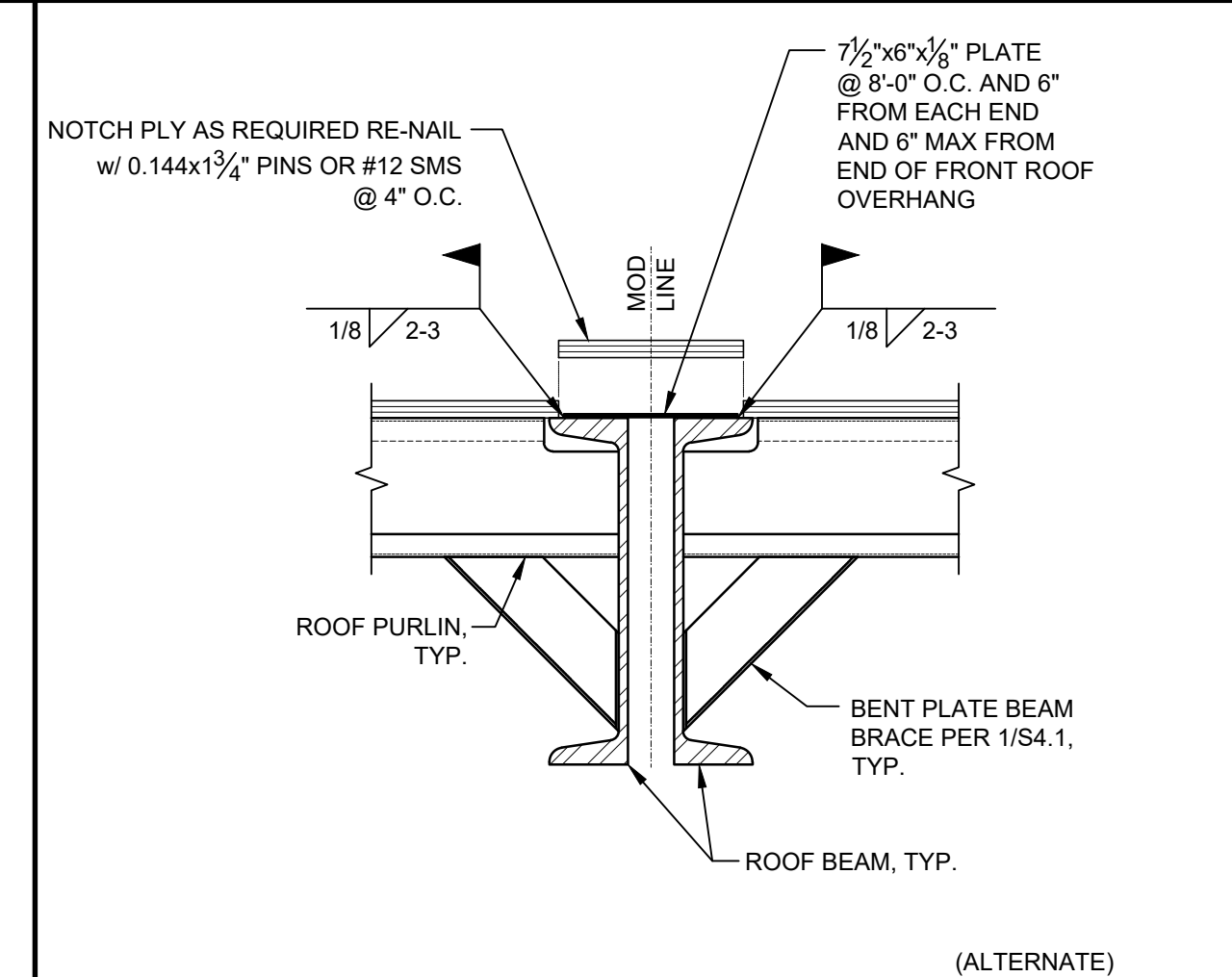
UPPER FLOOR TO GROUND FLOOR TYP. CONN @ MODLINES INTERMEDIATE POINTS SCALE: 1 1/2"=1'-0" 3



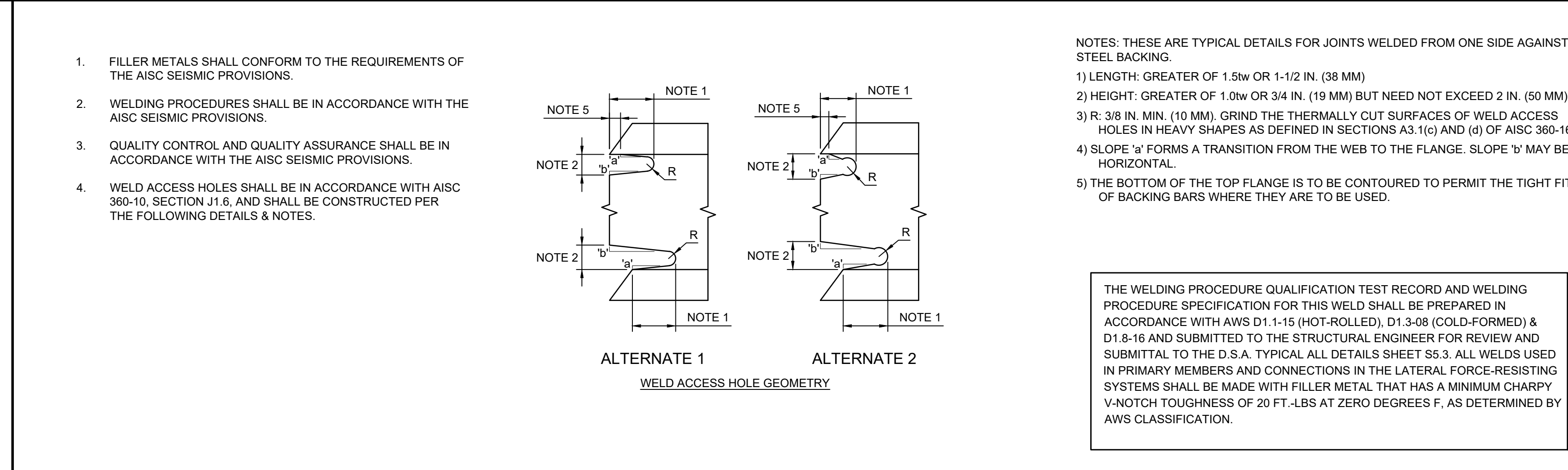
TYPICAL CONNECTION UPPER FLOOR COLUMN TO GROUND FLOOR COLUMN @ MODLINE SCALE: 1 1/2"=1'-0" 4



UPPER FLOOR ROOF MODLINE SCALE: 1 1/2"=1'-0" 5



UPPER FLOOR ROOF MODLINE (ALTERNATE) SCALE: 1 1/2"=1'-0" 6



REQUIREMENTS FOR MOMENT CONNECTIONS SCALE: NOT TO SCALE 7

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MANUFACTURER PROFESSIONAL OF RECORD ON PC
Patricia Canino
LICENSED ARCHITECT
No. C12631
Ren. 3-31-23
STATE OF CALIFORNIA
Mark P. Fryer
REGISTERED PROFESSIONAL
No. 53380
STRUCTURAL
STATE OF CALIFORNIA
09/20/2021
RST#20203
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REVISIONS
DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE:
MOMENT FRAME CONNECTION DETAILS
SHEET NUMBER:

S5.2

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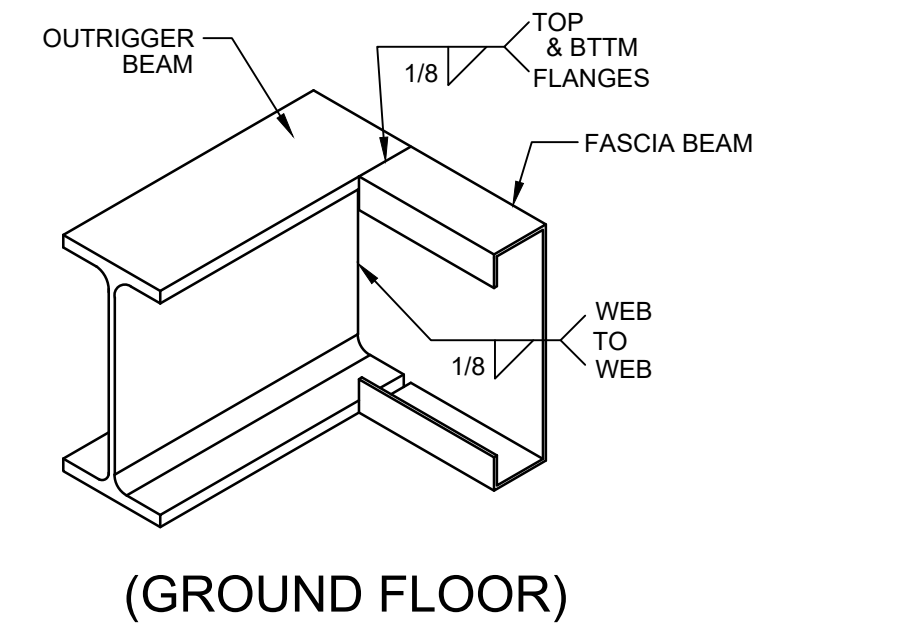
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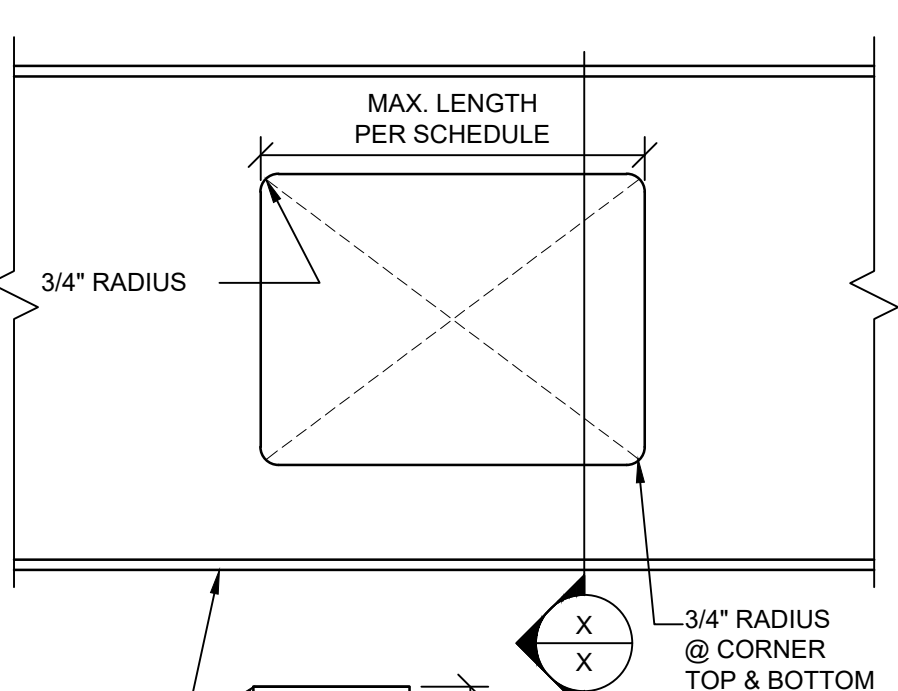
SHEET TITLE:
MOMENT FRAME CONNECTION DETAILS

SHEET NUMBER:

S5.3



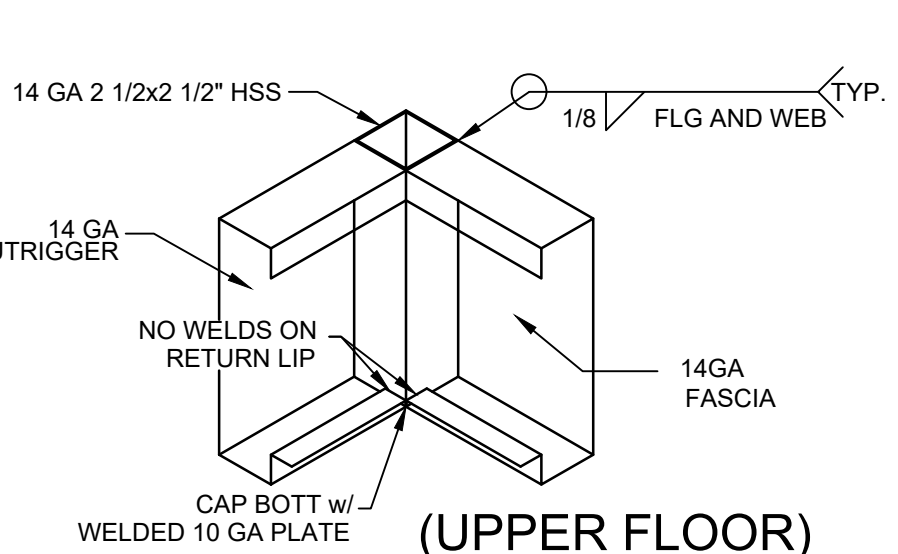
O.H. CORNER DETAIL SCALE: 1 1/2"=1'-0" 4



W21 BEAM

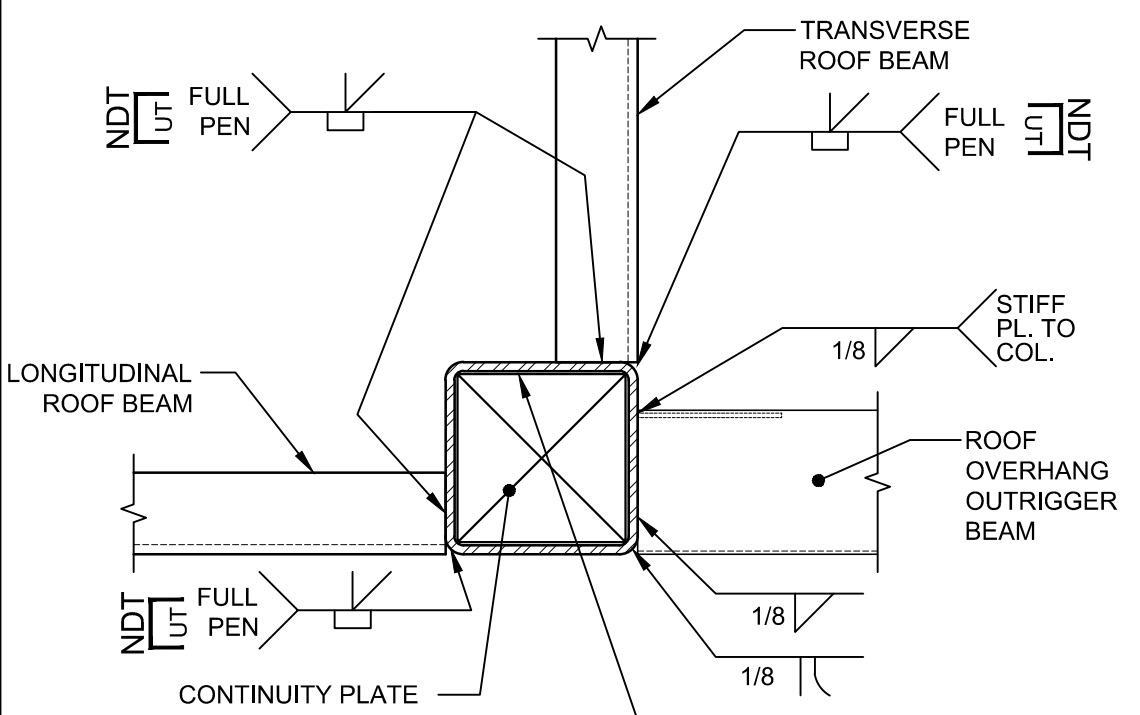
HEIGHT PER SCHEDULE	MAX LENGTH
2"	10"
4"	17"
6"	23"
8"	26"
10"	27"
12"	25"
14"	21"

OPENING @ GROUND FLOOR ROOF BEAMS SCALE: 1 1/2"=1'-0" 5

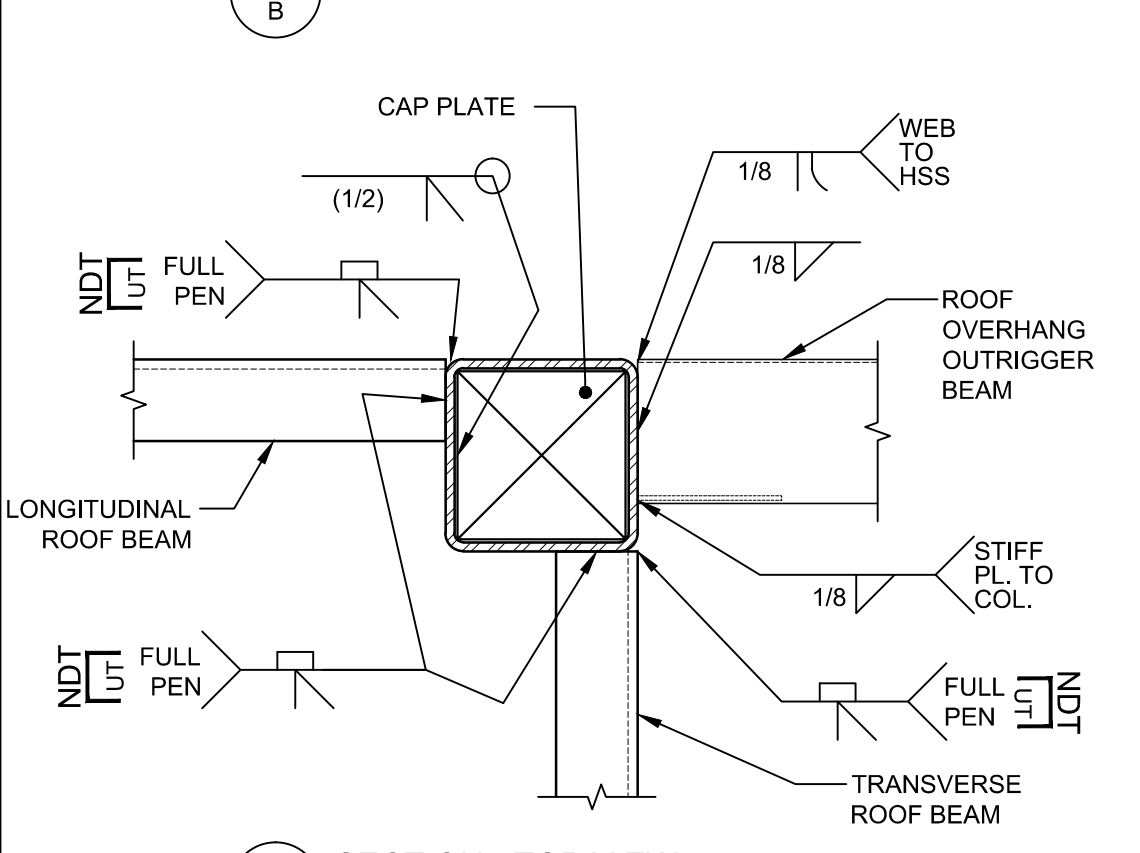


OVERHANG CORNER DETAIL SCALE: 1 1/2"=1'-0" 6

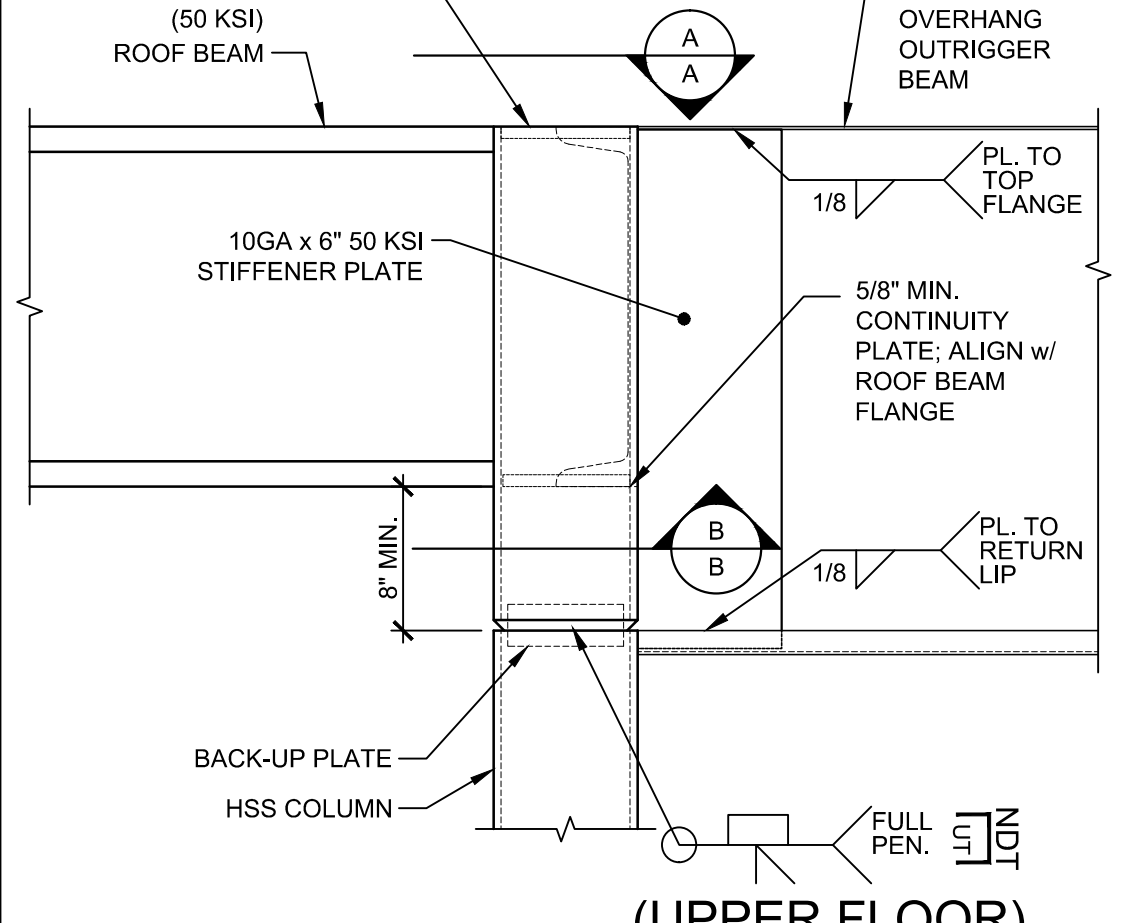
NOTE:
 1. FOR REQUIREMENT OF GENERAL WELDS & MOMENT CONNECTIONS SEE SHEET S5.2.
 2. REFER TO NON-DESTRUCTIVE TESTING NOTES FOR NON-DESTRUCTIVE TESTING REQUIREMENTS.
 3. WHERE BEAM BOTTOM FLANGES ATTACH TO COLUMNS w/ COMPLETE JOINT PENETRATION GROOVE WELDS & WELD BACKING IS USED AT THE BOTTOM SURFACE OF THE BEAM FLANGE, SUCH BACKING SHALL BE REMOVED & THE ROOT PASS BACK-GOUGED, REPAIRED & REINFORCED w/ A MINIMUM 3/8" FILLET WELD
 4. CONTINUITY PLATES MUST BE WELDED IN A HORIZONTAL POSITION. GMAW/FACM WELD PROCESS



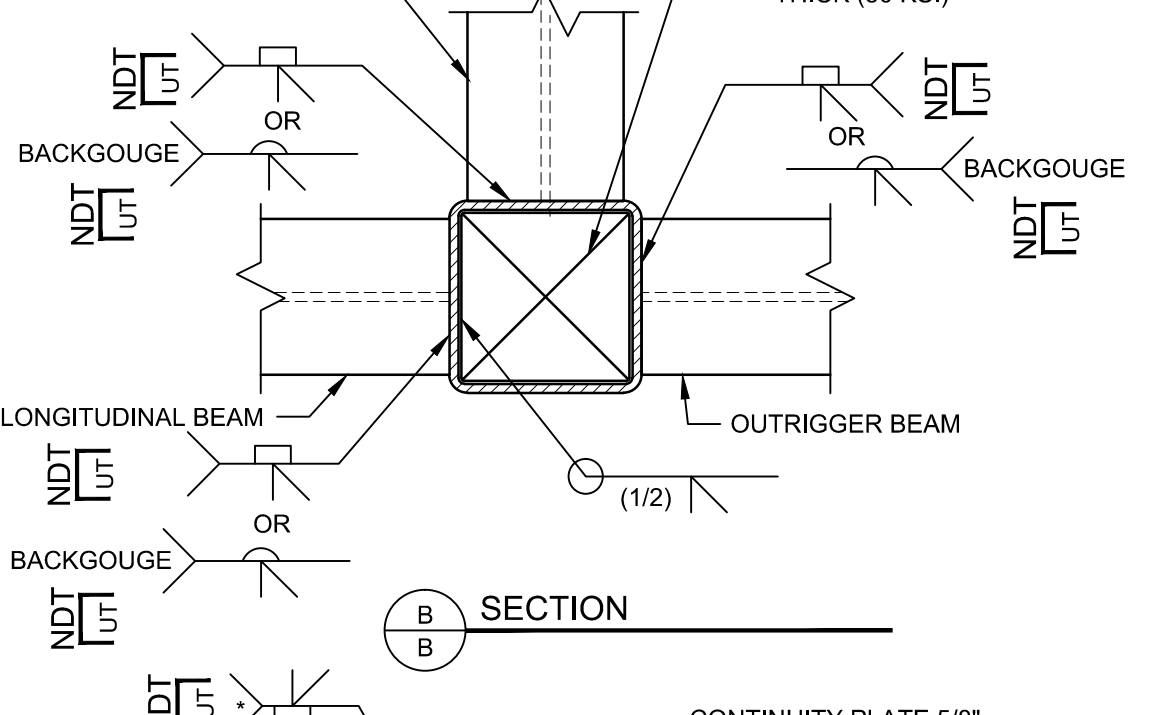
SECTION - BOTTOM VIEW



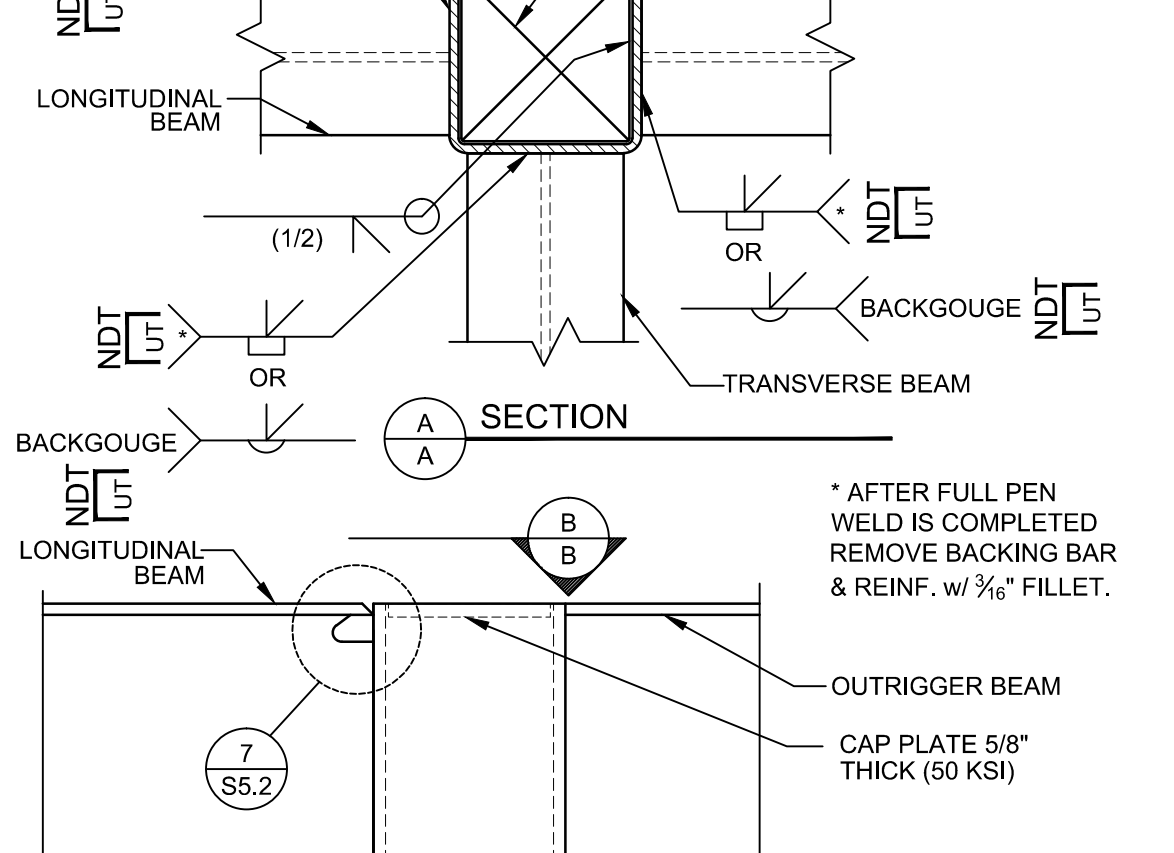
SECTION - TOP VIEW



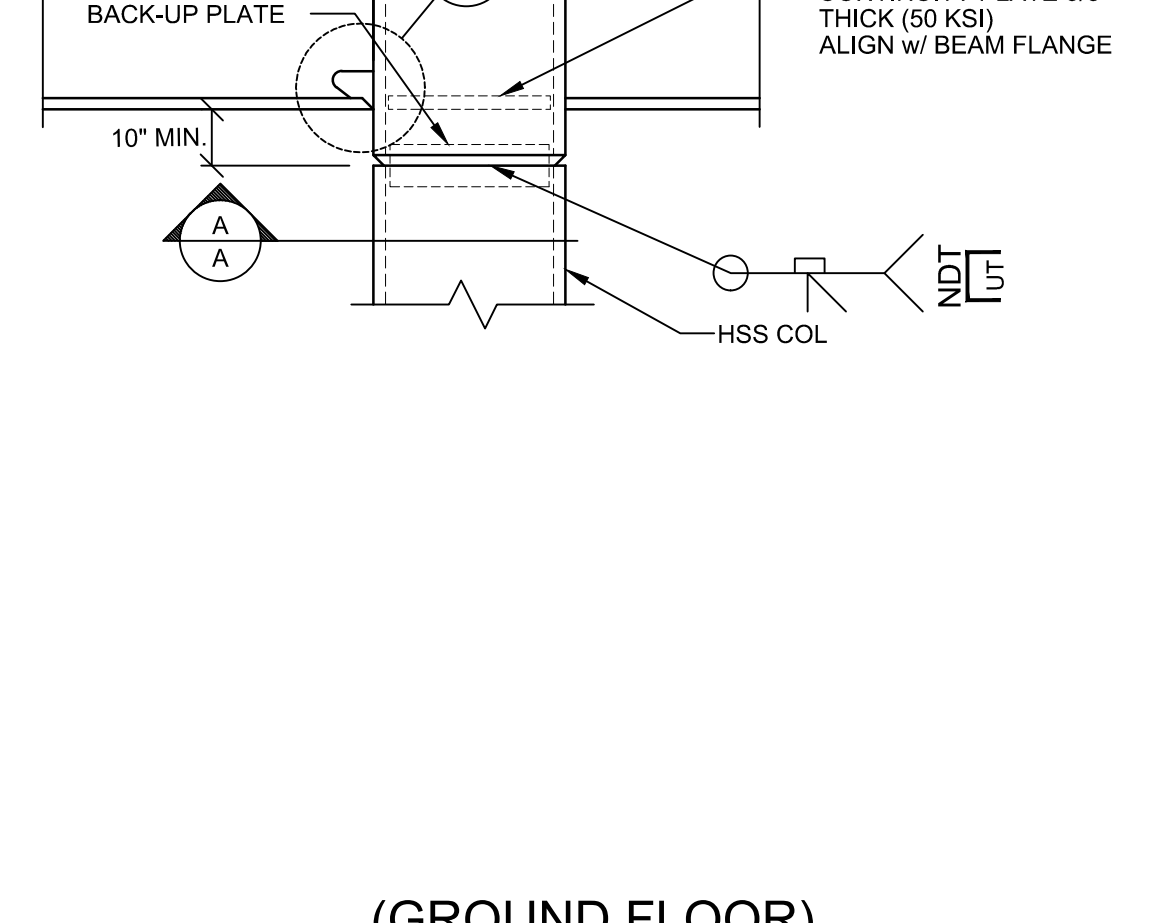
COLUMN TO ROOF BEAM CONN. SCALE: 1 1/2"=1'-0" 3



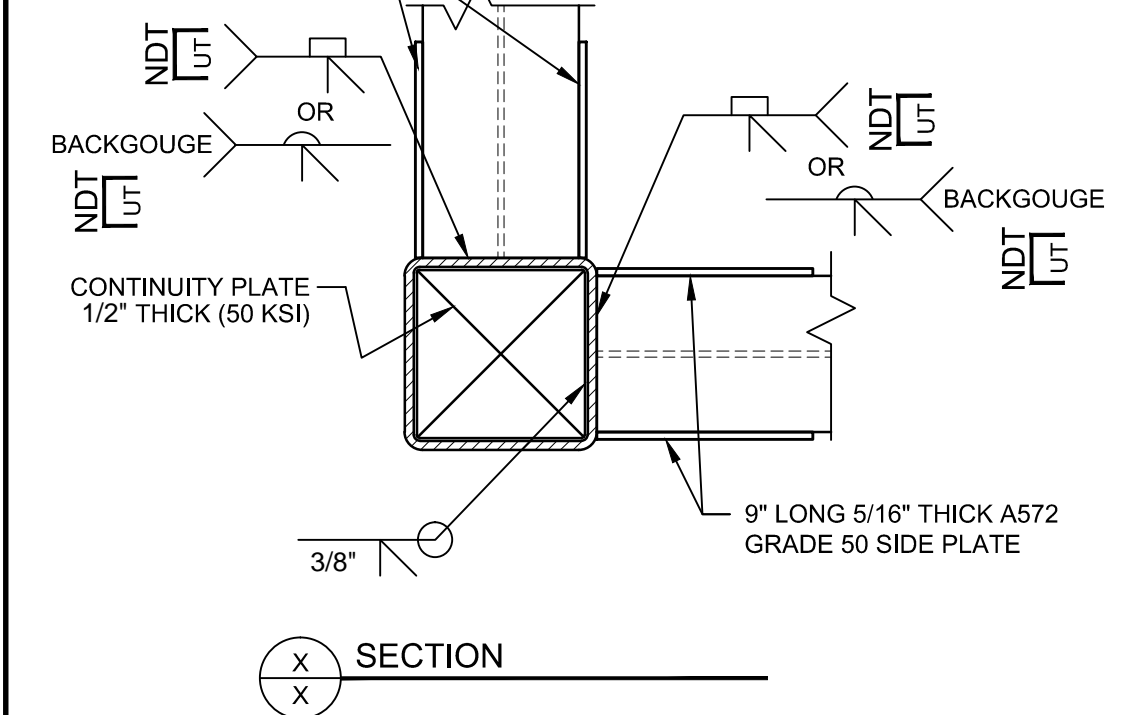
COLUMN TO FLOOR BEAM CONN. SCALE: 1 1/2"=1'-0" 1A



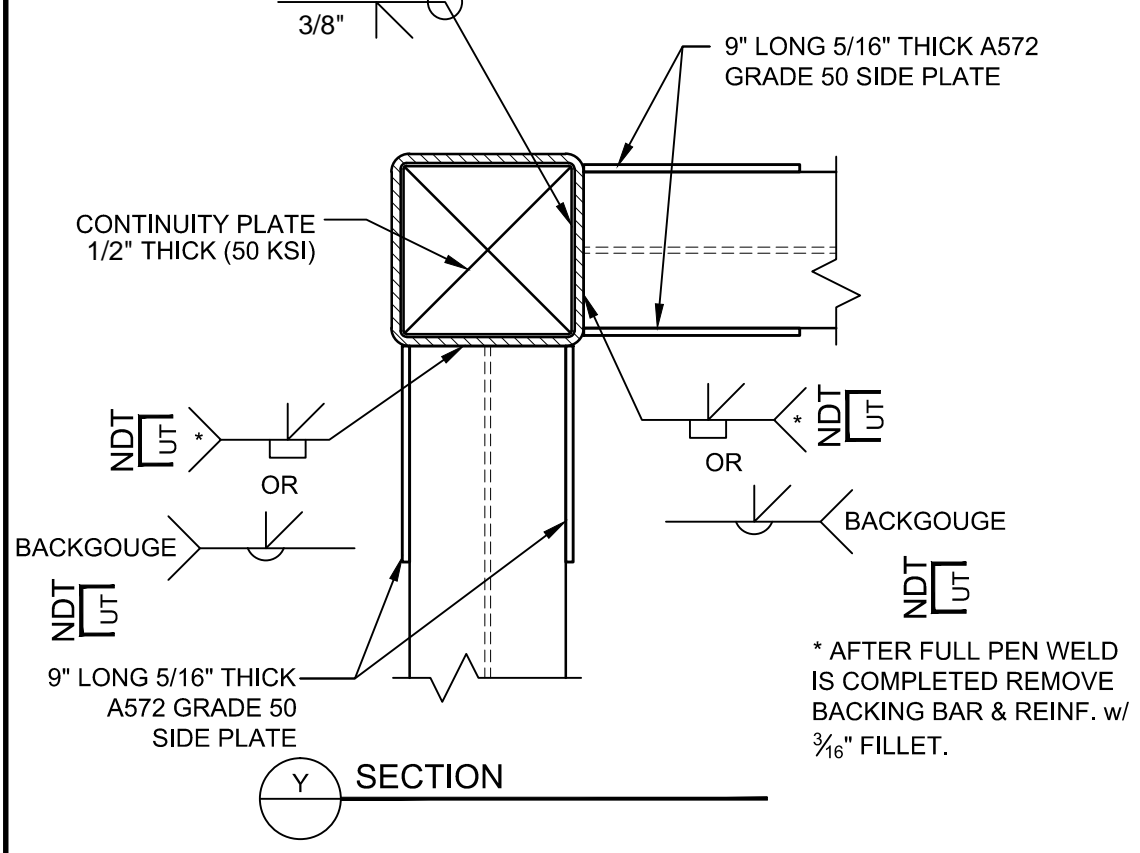
COLUMN TO ROOF BEAM CONN. SCALE: 1 1/2"=1'-0" 2



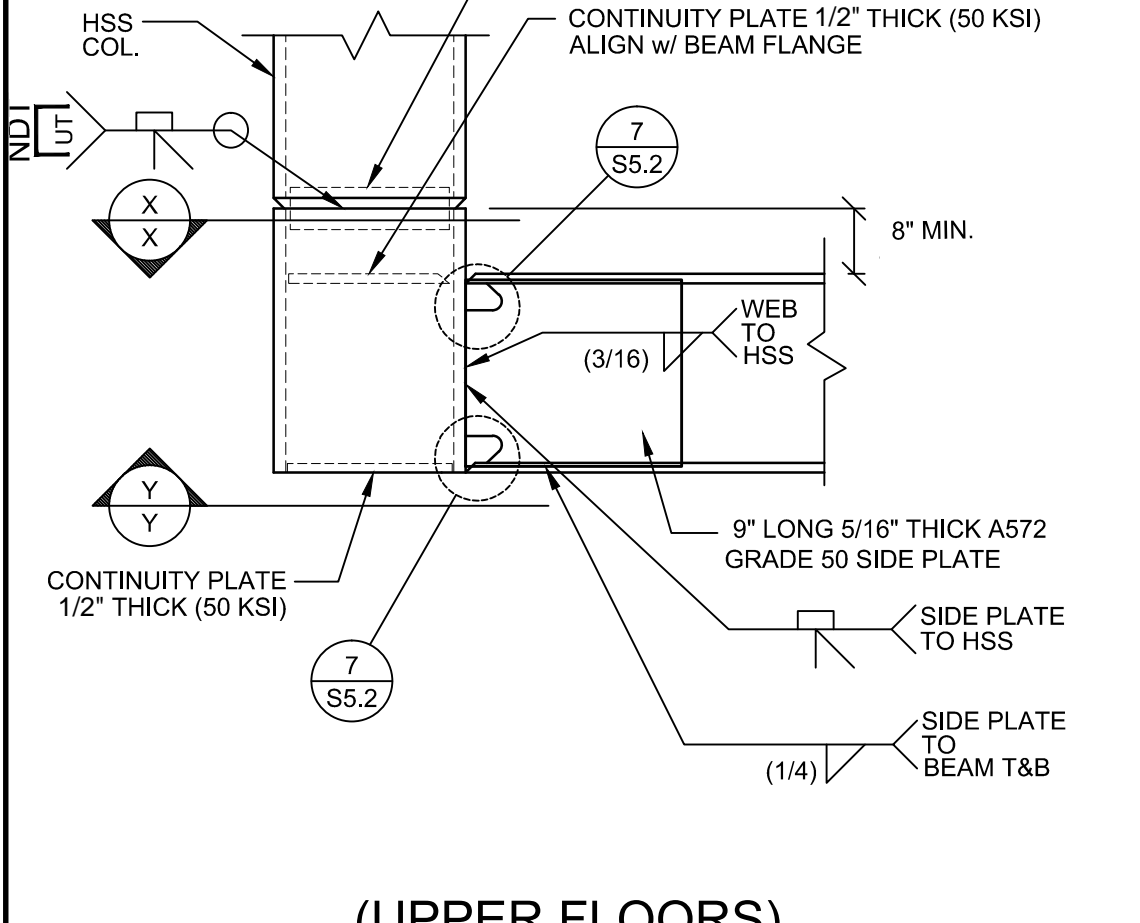
PARAPET COLUMN DETAIL AT OVERHANG CORNERS SCALE: NTS 8



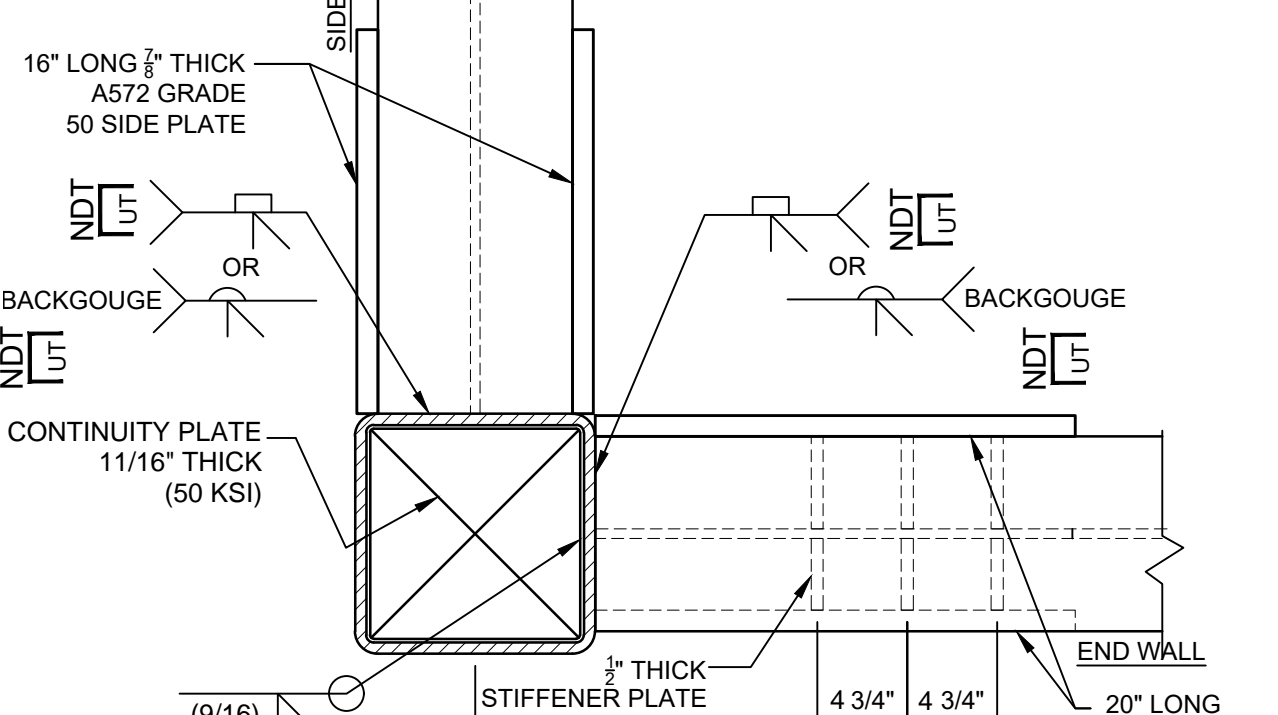
COLUMN TO FLOOR BEAM CONN. (UPPER FLOORS) SCALE: 1 1/2"=1'-0" 1



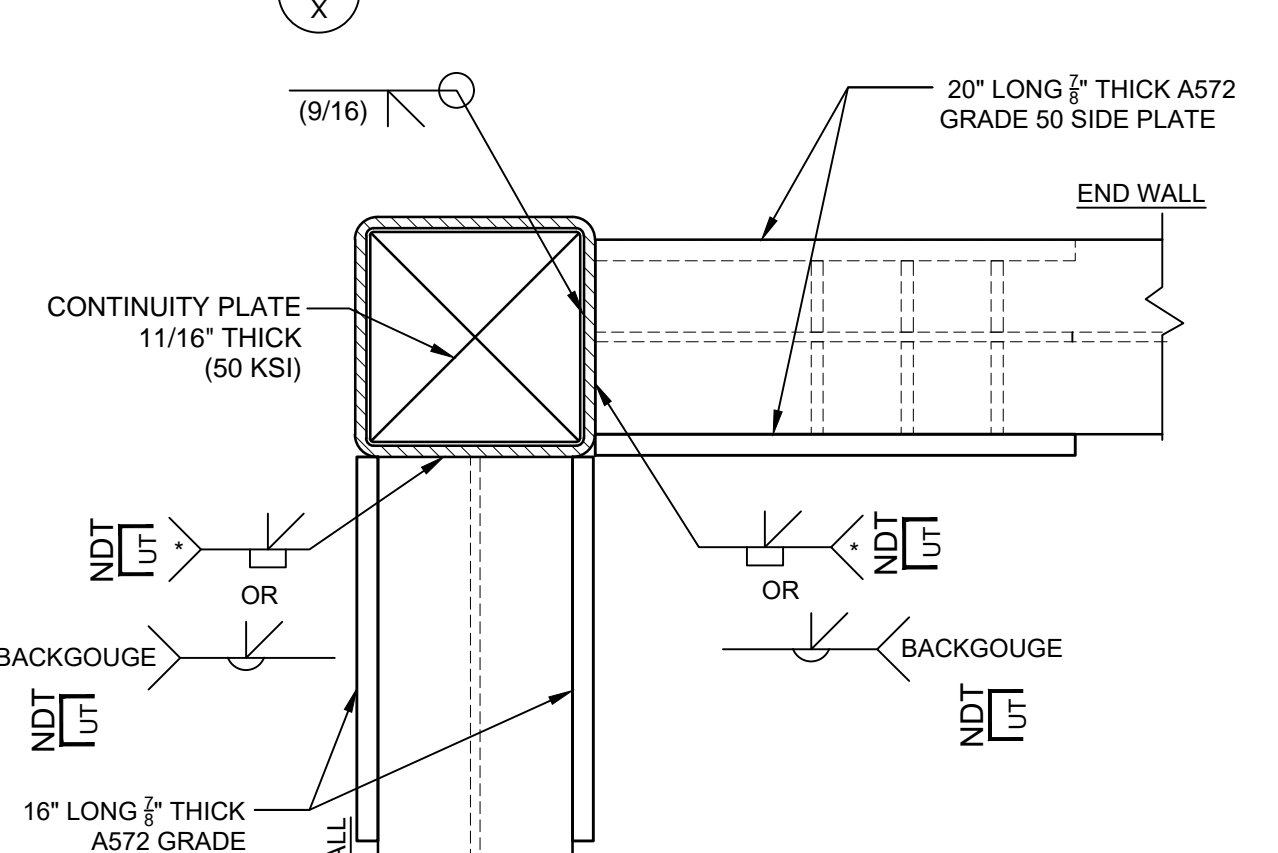
COLUMN TO FLOOR BEAM CONN. (UPPER FLOORS) SCALE: 1 1/2"=1'-0" 1A



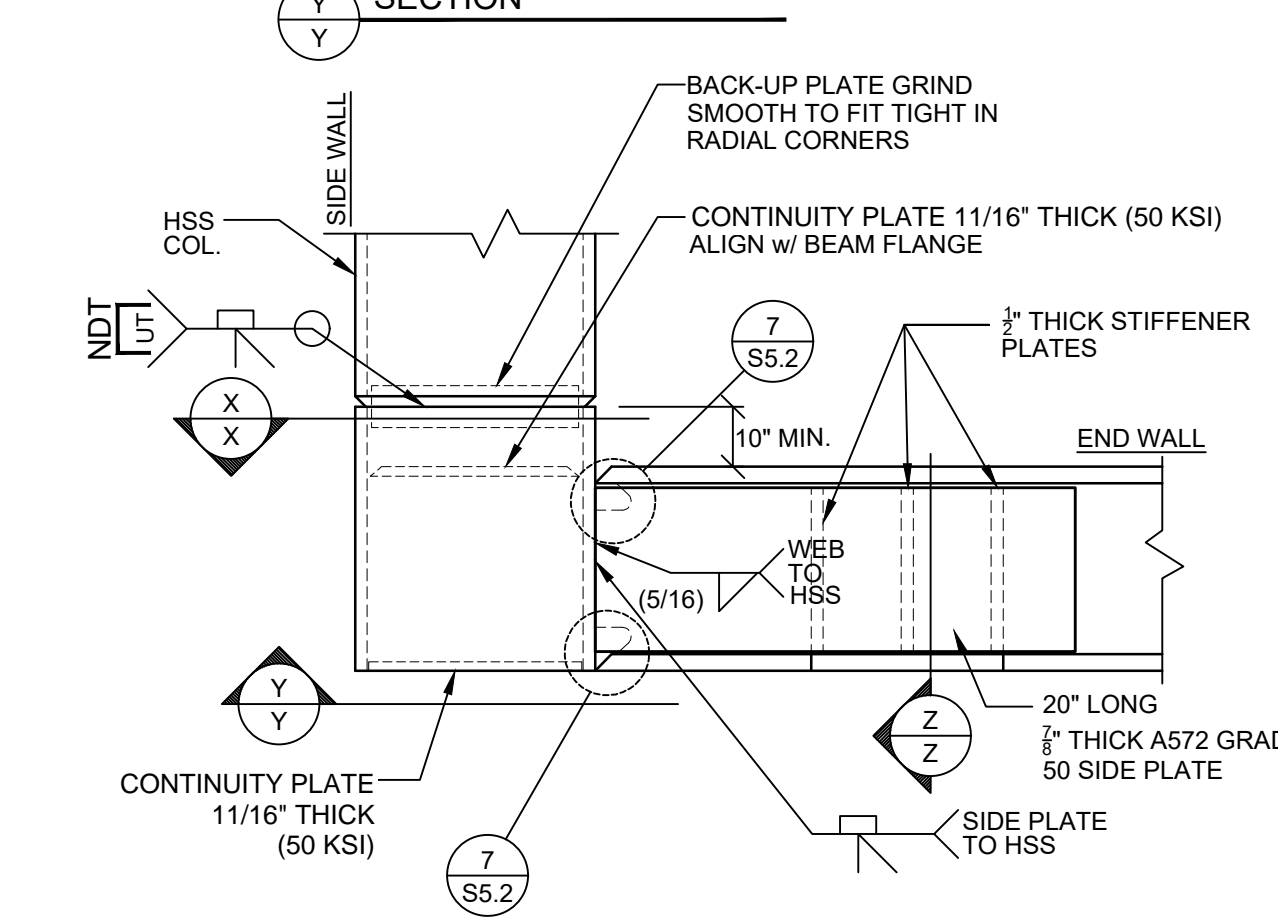
OPENING @ BEAM SCALE: 1 1/2"=1'-0" 7



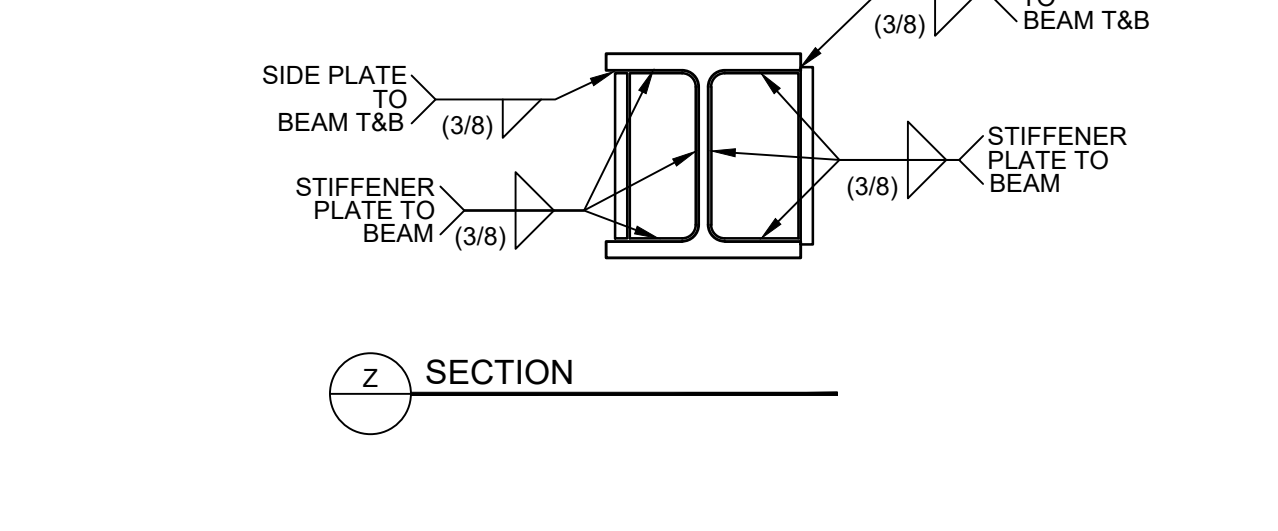
COLUMN TO FLOOR BEAM CONN. (GROUND FLOOR) SCALE: 1 1/2"=1'-0" 1



COLUMN TO FLOOR BEAM CONN. (GROUND FLOOR) SCALE: 1 1/2"=1'-0" 1



COLUMN TO FLOOR BEAM CONN. (GROUND FLOOR) SCALE: 1 1/2"=1'-0" 1



COLUMN TO FLOOR BEAM CONN. (GROUND FLOOR) SCALE: 1 1/2"=1'-0" 1

NON-DESTRUCTIVE TESTING OF COMPLETE JOINT PENETRATION GROOVE WELDS AT THE MOMENT-RESISTING BEAM-TO-COLUMN CONNECTIONS SHALL COMPLY WITH AISC 341-10 CHAPTER J PER CBC 1705A.2.1.

- WELDS SUBJECT TO THE REQUIREMENTS OF NON-DESTRUCTIVE TESTING ARE NOTED ON THIS DRAWINGS WITH THE SYMBOL
- ULTRASONIC TESTING (UT) SHALL BE PERFORMED ON 100% OF ALL WELDS DENOTED WELDS WITH THE SYMBOL
- MAGNETIC PARTICLE TESTING (MT) SHALL BE PERFORMED ON 25% OF ALL WELDS REQUIRING NON-DESTRUCTIVE TESTING WHETHER OR NOT (UT) IS REQUIRED.
- ULTRASONIC TESTING (UT) IS ONLY REQUIRED WHERE THE THICKNESS OF THE COLUMN IS 5/16" OR GREATER. UT IS NOT REQUIRED WHERE THE COLUMN THICKNESS IS LESS THAN 5/16".
- ULTRASONIC TESTING (UT) IS NOT REQUIRED ON WELDS FROM STRUCTURAL STEEL CHANNEL BEAM FLANGES TO COLUMNS AS UT TESTING IS NOT APPROPRIATE FOR SECTIONS WITH VARYING DEPTHS. MAGNETIC PARTICLE TESTING (MT) IS STILL REQUIRED.

NON-DESTRUCTIVE TESTING NOTES

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 Phone (209) 825-1921
 Fax (209) 825-7018
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SET NAME
(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC

REGISTERED ARCHITECT
 PATRICK CAMPBELL
 No. C12631
 Ren. 3-31-23
 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL
 MARY D. FRISVOLD
 No. 53380
 STATE OF CALIFORNIA

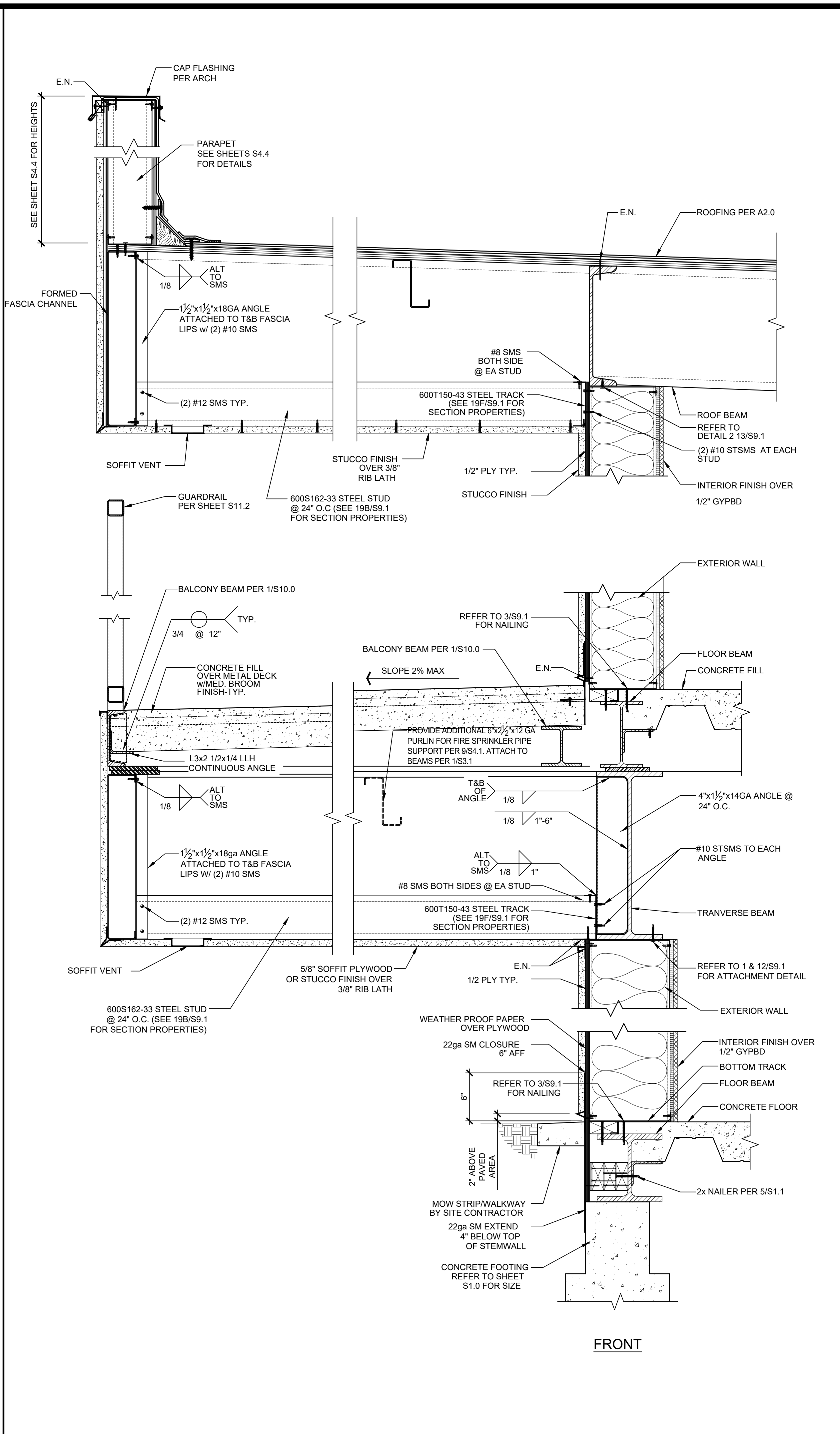
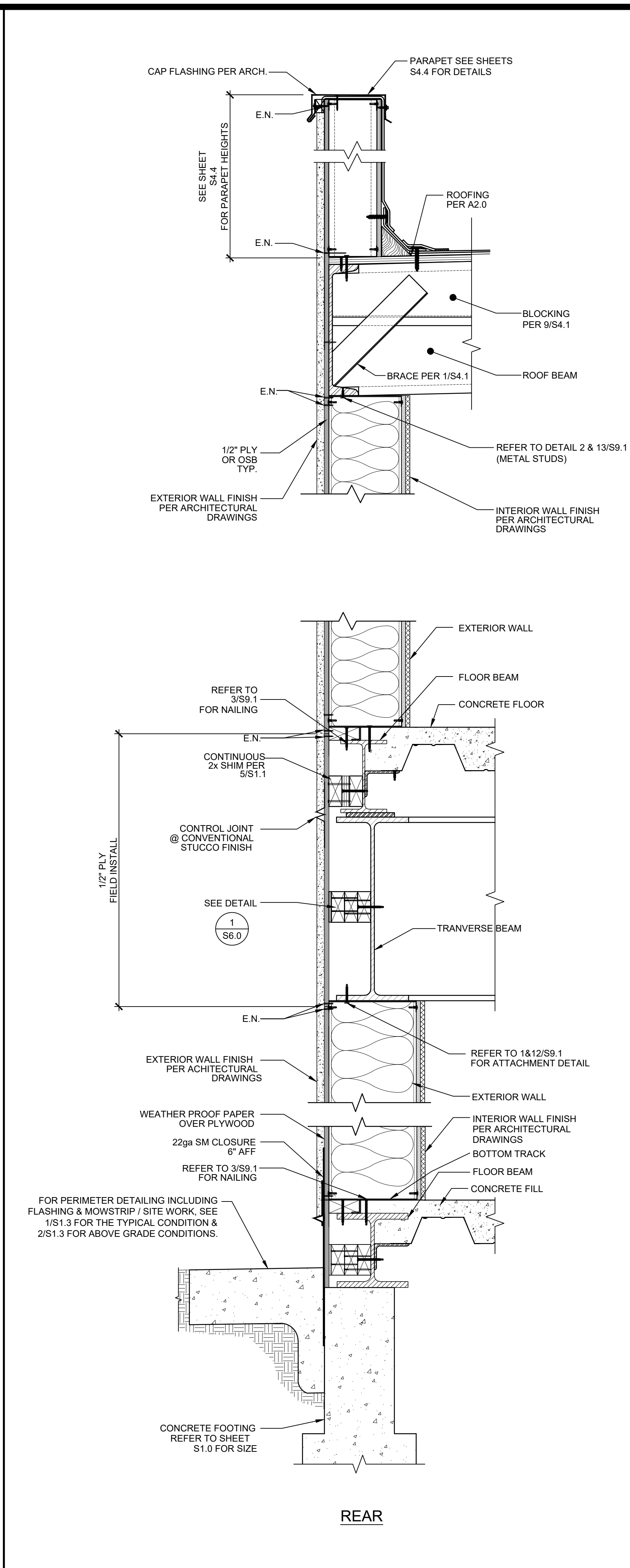
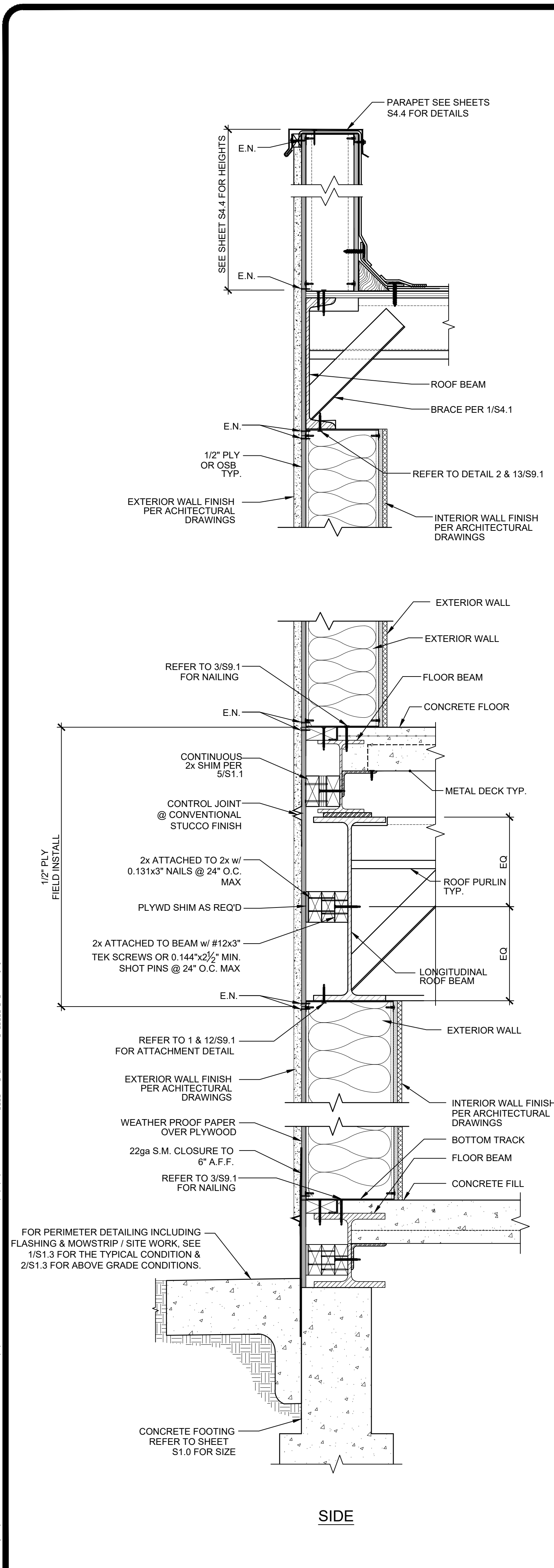
09/20/2021
 RST#20203
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REVISIONS	

DRAWN BY: AH
 SCALE: AS NOTED
 DATE: 07/05/21
 PROJECT NO: 1614-20

SHEET TITLE:
BUILDING SECTIONS

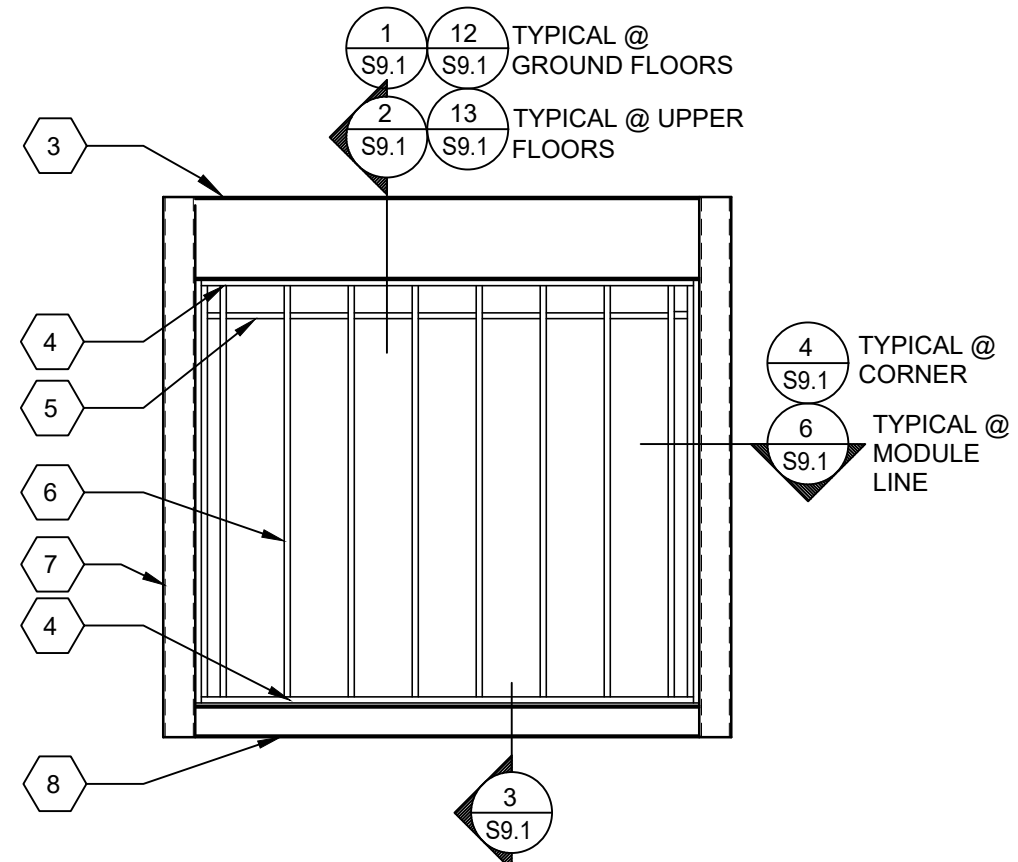
SHEET NUMBER:
S6.0



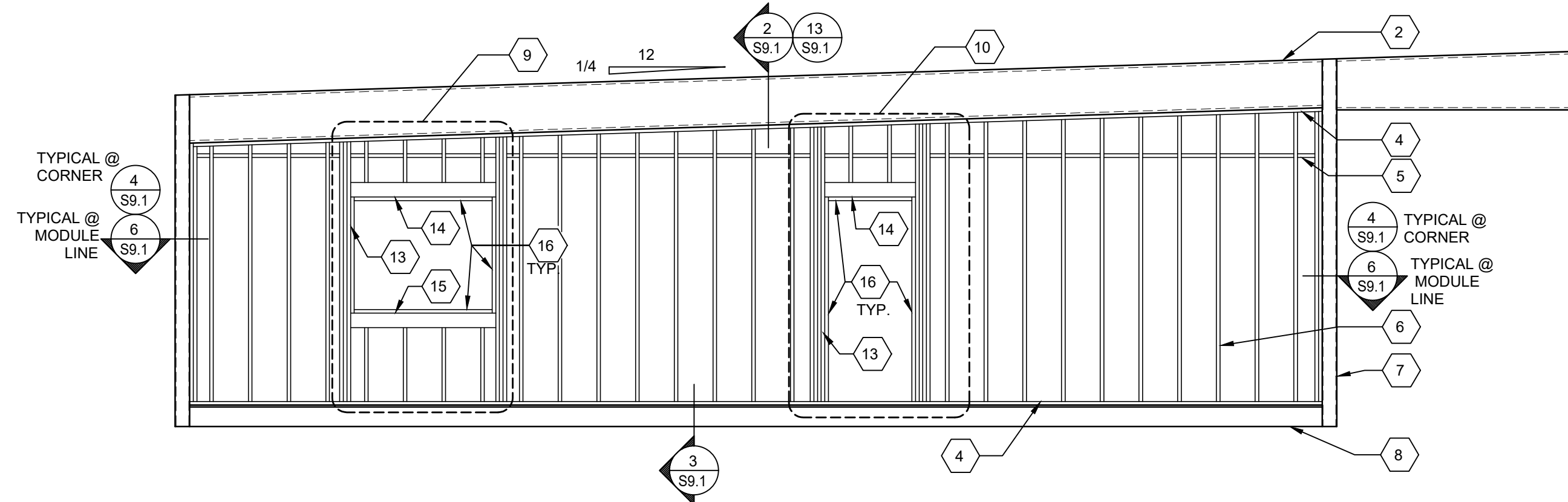
1 SIDE WALL SECTION SCALE: 1 1/2"=1'-0"

2 REAR END WALL SECTION SCALE: 1 1/2"=1'-0"

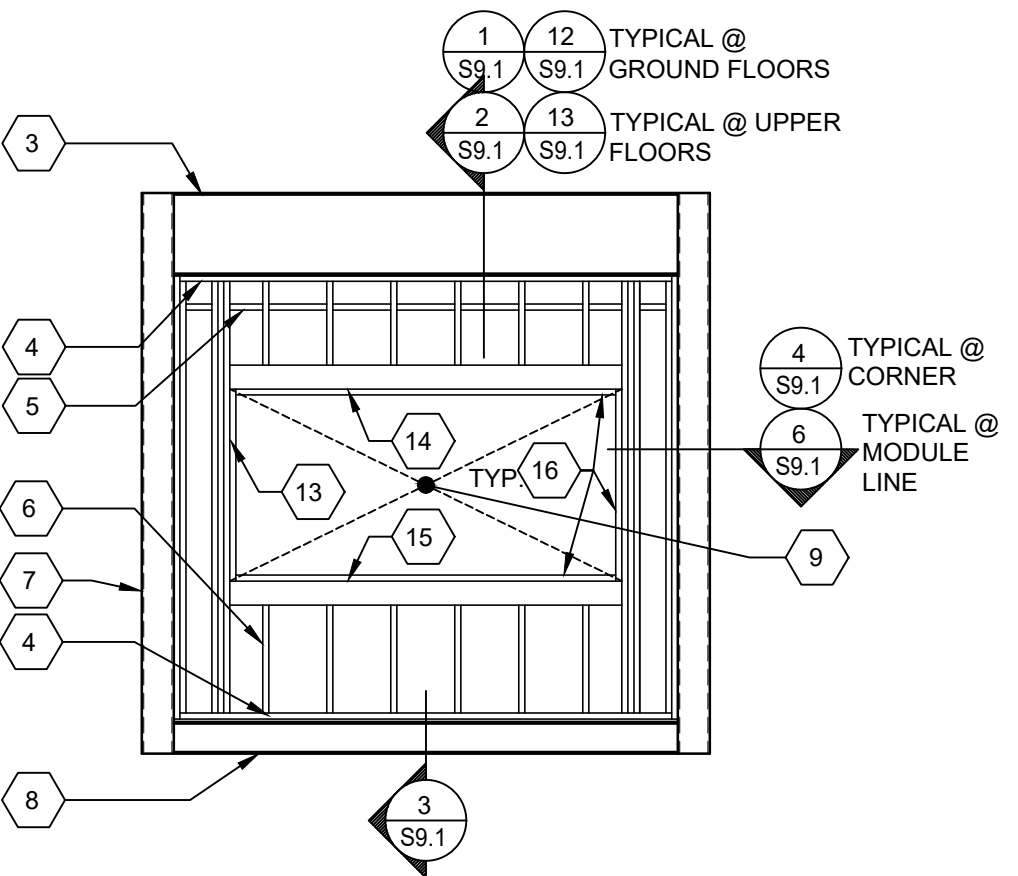
3 FRONT END WALL SECTION SCALE: 1 1/2"=1'-0"



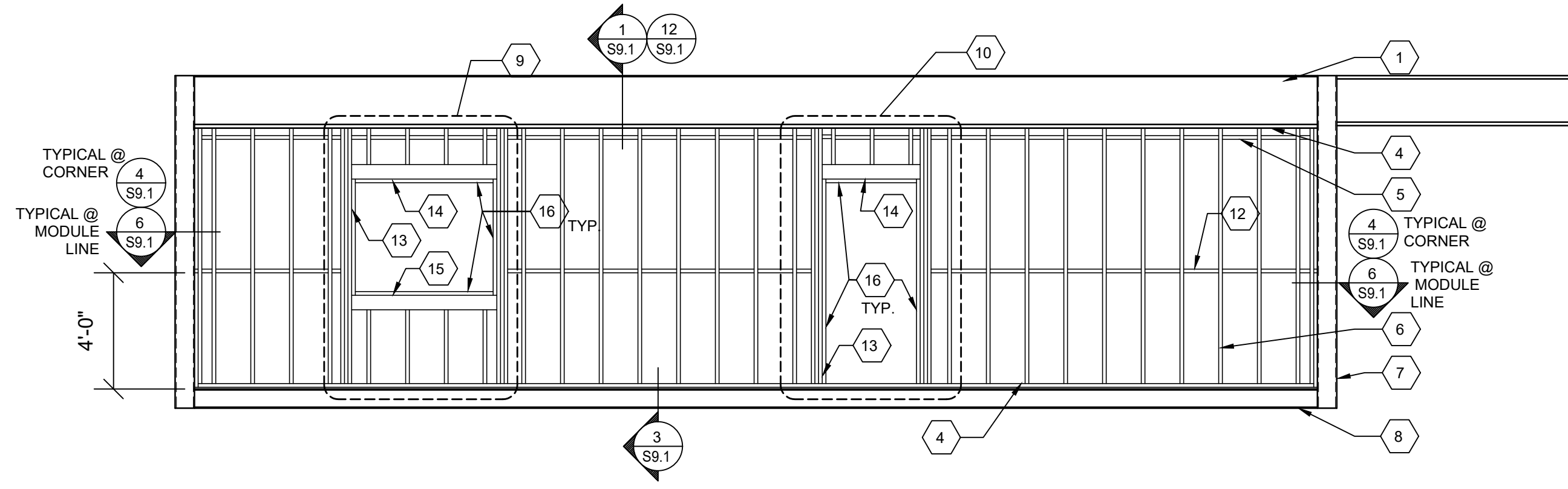
TYP. END WALL FRAMING w/ NO OPENINGS SCALE: 1/4"=1'-0" 1



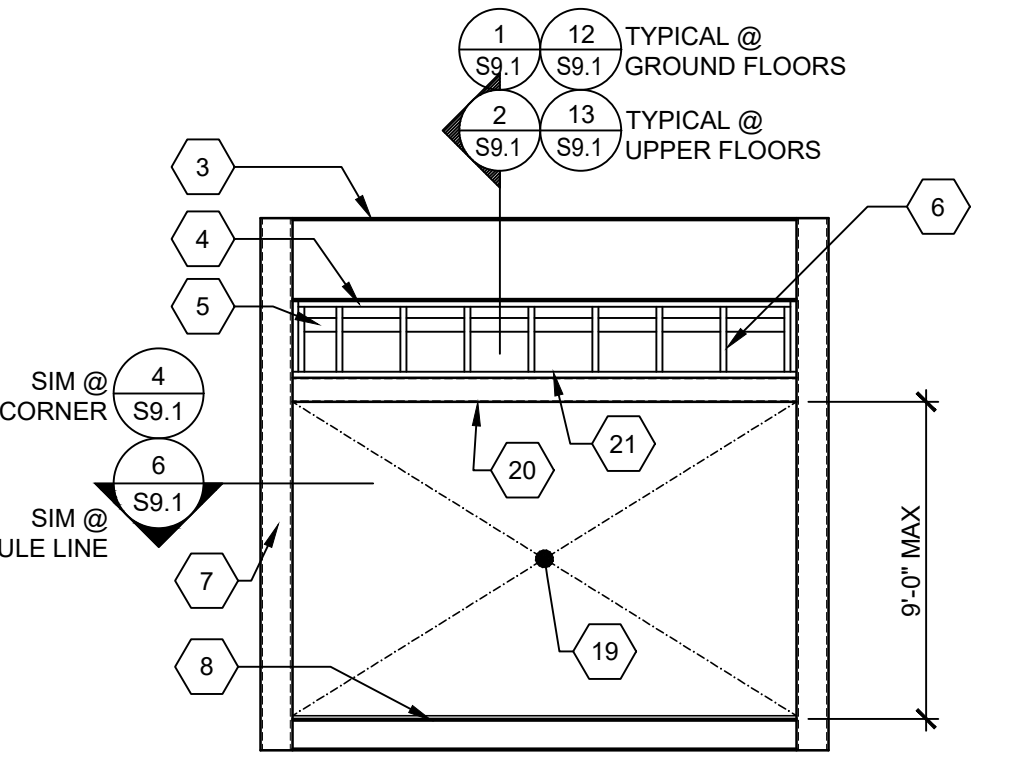
TYPICAL SIDE WALL FRAMING @ UPPER FLOOR SCALE: 1/4"=1'-0" 5



TYP. END WALL FRAMING w/ WINDOW SCALE: 1/4"=1'-0" 2



TYPICAL SIDE WALL FRAMING @ GROUND FLOOR SCALE: 1/4"=1'-0" 6

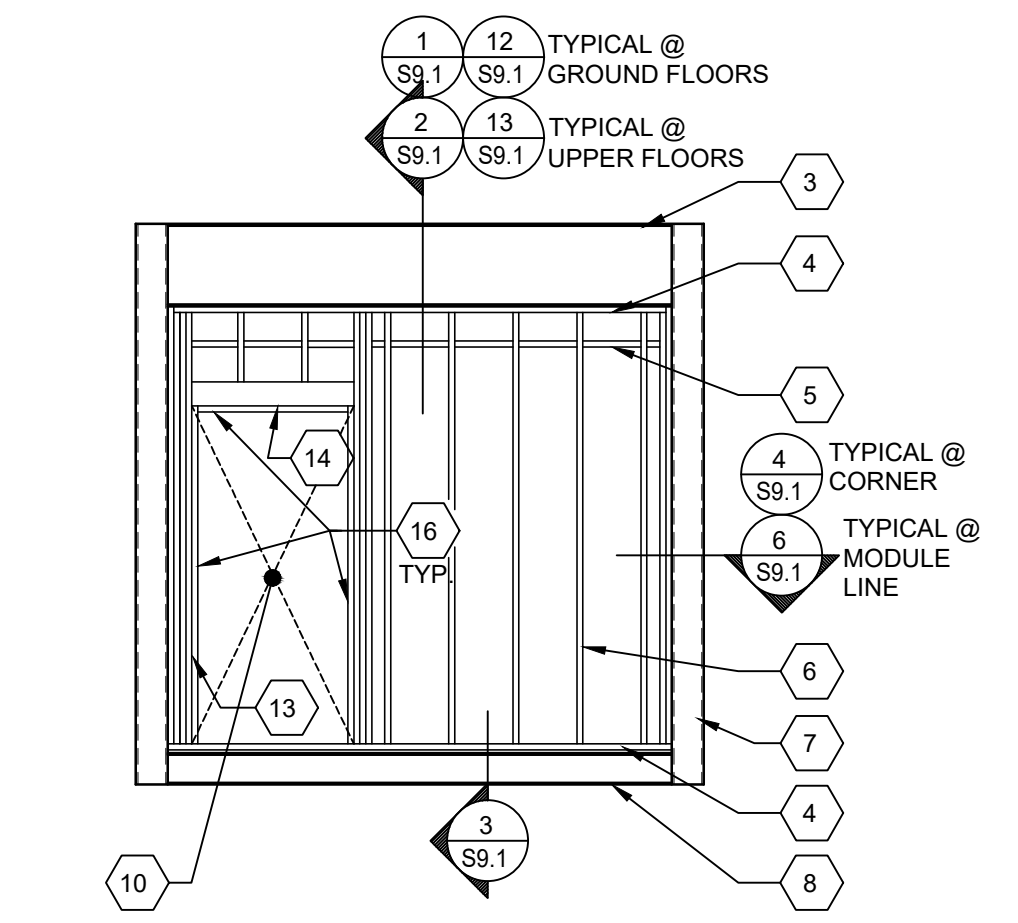


END WALL FRAMING w/ OPT. STOREFRONT SCALE: 1/4"=1'-0" 3

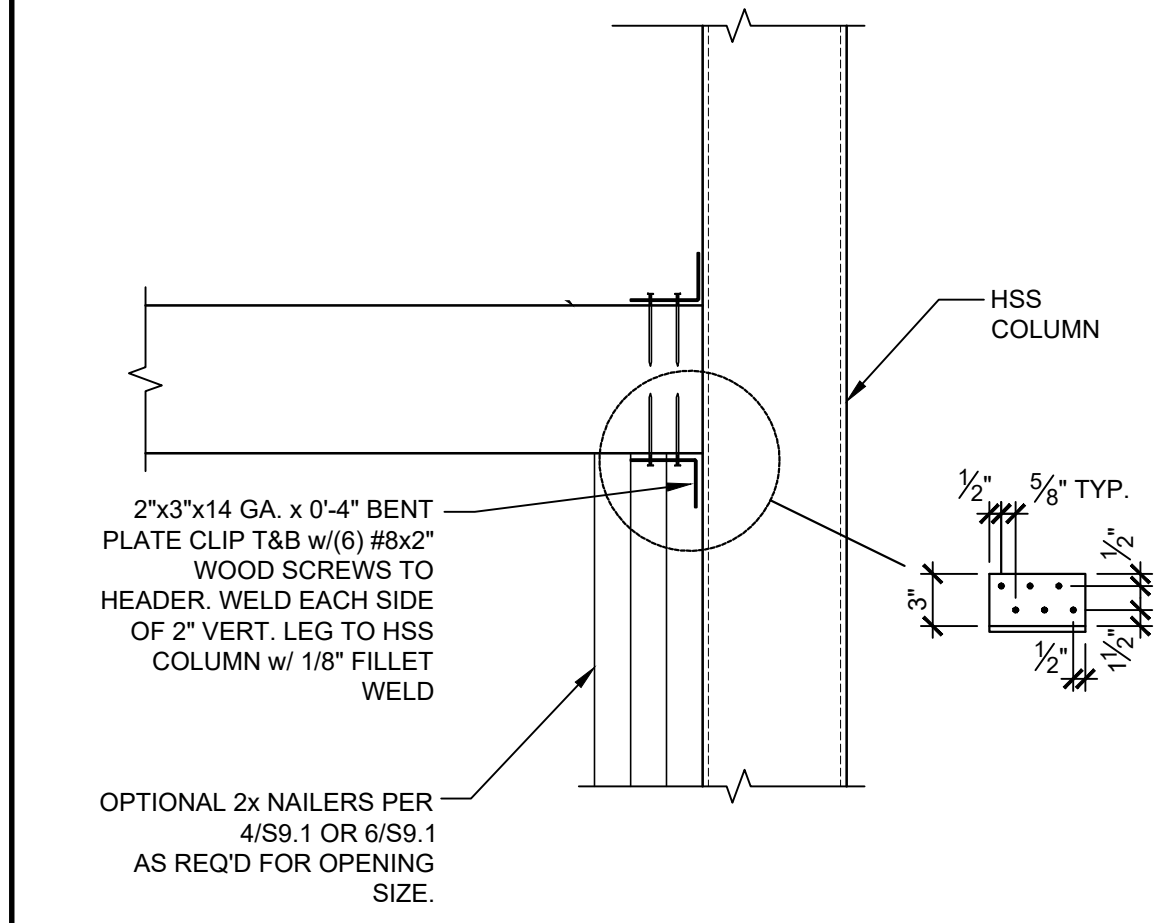
FINISH TYPE	FASTENER	SPACING	
		E.N.	F.N.
1/2" PLYWOOD SHEATHING CONFORMING TO PS1-09, APA RATED, 5 PLY 32/16, OR 1/2" O.S.B. PANELS EXPOSURE 1 WITH 7/8" STUCCO (PER A5.0)	PER ARCHITECTURAL SHEETS		

1. ALL SCREWS IN EXTERIOR APPLICATIONS TO BE GALVANIZED.

FINISH SCHEDULE 7



TYP. END WALL FRAMING w/ DOOR SCALE: 1/4"=1'-0" 4



PSL HDR CONN. TO HSS COLUMN SCALE: 1/4"=1'-0" 8

STUD/TRACK SCHEDULE			
		STUDS	TRACKS
(EXTERIOR WALLS)	LOWER FLOORS	1000162-33	1000150-43
(EXTERIOR WALLS)	UPPER FLOORS	800S162-33	800T150-43
(INTERIOR WALLS WITHOUT BOOKSHELVES OR CASEWORK)	BOTH FLOORS	362S125-30 362162-33 ³	362T125-30 362150-43 ³
(INTERIOR WALLS WITH BOOKSHELVES OR CASEWORK)	BOTH FLOORS	600S162-33	600T150-43

- NOTES:
- SEE 19/S9.1 FOR STUD AND TRACK PROPERTIES. LARGER STUDS AND TRACKS MAY BE USED FOR ARCHITECTURAL PURPOSES. TOP & BOTTOM TRACKS SHALL BE 43 MILS (18 GA) MIN. @ EXTERIOR WALLS, 30 MILS (20GA.) MIN. @ INTERIOR WALLS UNO.
 - STUD AND TRACK SIZES ARE MINIMUM.
 - ALL WALL STUDS SPACED AT 16" O.C. MAX U.N.O
 - AT WALL INTERSECTIONS, ATTACH END STUD TO CROSS WALL w/#10 SMS @ 12" O.C.
 - USE 362162-33 AT RESTROOM WALLS FOR ANCHORAGE AT RESTROOM ELEMENTS.
 - USE 362150-43 AT RESTROOM WALLS FOR ANCHORAGE AT RESTROOM ELEMENTS.

STUD / TRACK AND DOOR / WINDOW OPENING SCHEDULES SCALE: 1/4"=1'-0" 9

- 1 LONGITUDINAL GROUND FLOOR ROOF BEAM
- 2 LONGITUDINAL UPPER FLOOR ROOF BEAM
- 3 TRANSVERSE ROOF BEAM
- 4 STEEL TRACK PER STUD/TRACK SCHEDULE 9/-
- 5 STEEL BLOCKING SAME SIZE AS STEEL STUDS @ HORIZONTAL PLYWOOD EDGES - REFER TO DETAIL 17/S9.1 FOR CONNECTION AT EACH END OF BLOCKING TO STUD
- 6 STEEL STUDS PER STUD/TRACK SCHEDULE 9/- @ 16" O.C. TYP.
- 7 HSS COLUMN
- 8 PERIMETER FLOOR BEAM
- 9 WINDOW OPENING MAX 10'-0" WIDE (REFER TO OPENING SCHEDULE 9/S9.0 & 2/S9.0 FOR DETAILS)- SEE FLOOR PLANS FOR LOCATIONS
- 10 DOOR OPENING (REFER TO OPENING SCHEDULE 9/S9.0 & 4/S9.0 FOR DETAILS)- SEE FLOOR PLANS FOR LOCATIONS
- 11 NOT USED
- 12 20GA 1 1/2" WIDE STRAP AT INTERIOR AND EXTERIOR SIDE. ATTACH TO EACH STUD WITH (1) #10 SMS AND PROVIDE (1) BLOCK @ 8'-0" O.C. ATTACHED TO STUDS PER DETAIL 17/S9.1. ATTACH STRAP TO BLOCK w/ #10 SMS @ 4" O.C.

- 13 KING STUD PER OPENING SCHEDULES 9/-
- 14 WINDOW/DOOR HEADER PER OPENING SCHEDULES 9/-
- 15 WINDOW SILL PER OPENING SCHEDULES 9/-
- 16 OPTIONAL 2x WOOD TRIMMER FOR ATTACHMENT OF WINDOW/DOOR FRAME. ATTACH TO METAL STUDS w/ #8 SMS @ 8" O.C. MAX. STAGGERED.
- 17 NOT USED
- 18 NOT USED
- 19 FULL-WIDTH STOREFRONT OPENING (STOREFRONT BY OTHERS) MAX STORY DRIFT RATIO = 2.0%
- 20 HEADER @ OPTIONAL FULL-WIDTH STOREFRONT OPENING MAX LIVE LOAD DEFLECTION = 0".
- 21 STEEL TRACK PER 9/S9.0 w/#8x1 1/2" WOOD SCREWS @ 16" O.C. TO PARALLAM PSL HEADER & #8x1" STDS SCREWS @ 16" O.C. TO HSS HEADER.

KEY NOTES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-121419 INC.
REVIEWED FOR
SS FLS ACS
DATE: 09/29/2021

AMS
American Modular Systems
787 Spreckels Ave.,
Manteca, CA 95336
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SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

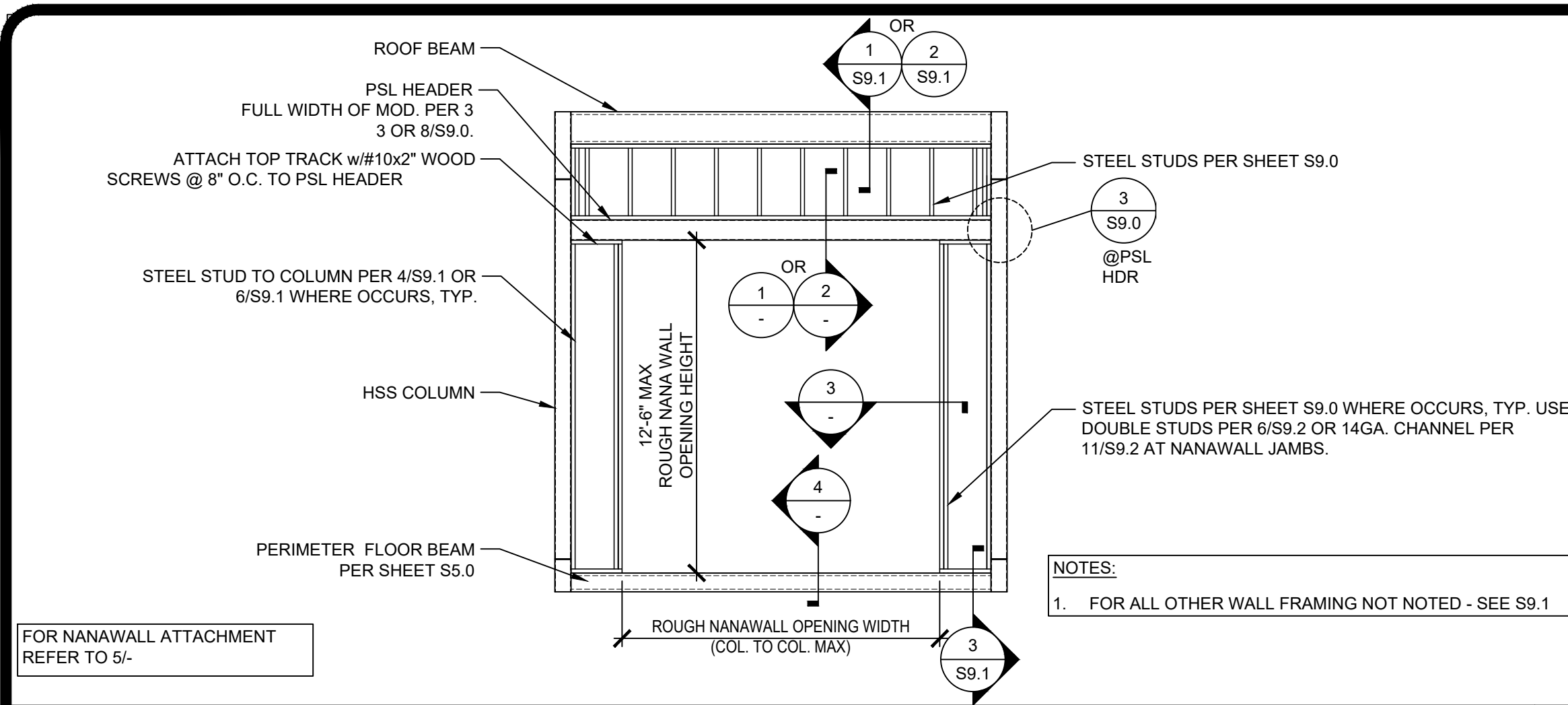
MANUFACTURER PROFESSIONAL OF RECORD ON PC
Patrick Canfield
LICENSED ARCHITECT
No. C12631
Ren. 3-31-23
STATE OF CALIFORNIA
Manuel P. Frisvold
REGISTERED PROFESSIONAL
No. 53380
STATE OF CALIFORNIA
09/20/2021
RST#20203
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REVISIONS

DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20

SHEET TITLE:
WALL FRAMING ELEVATIONS

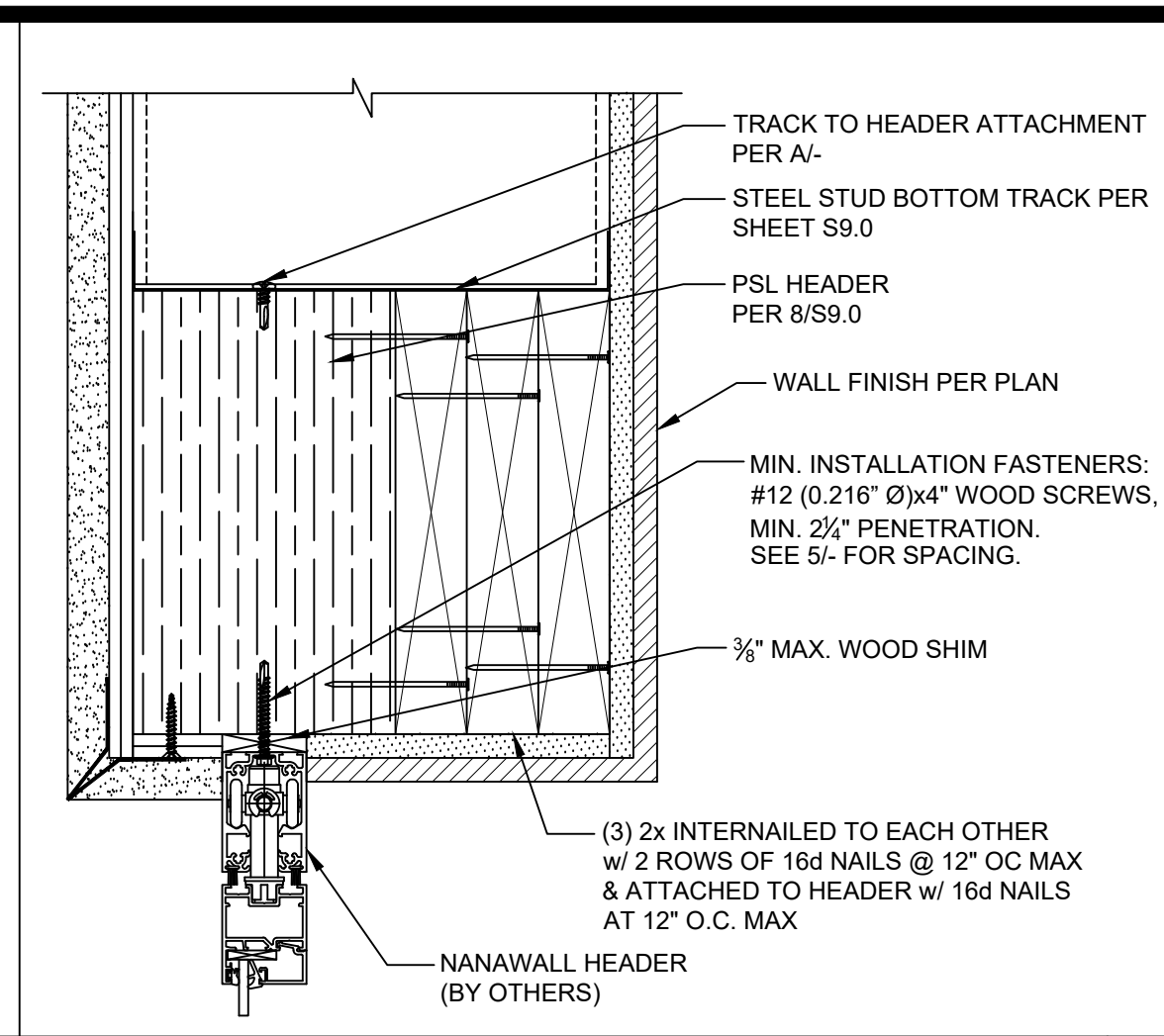
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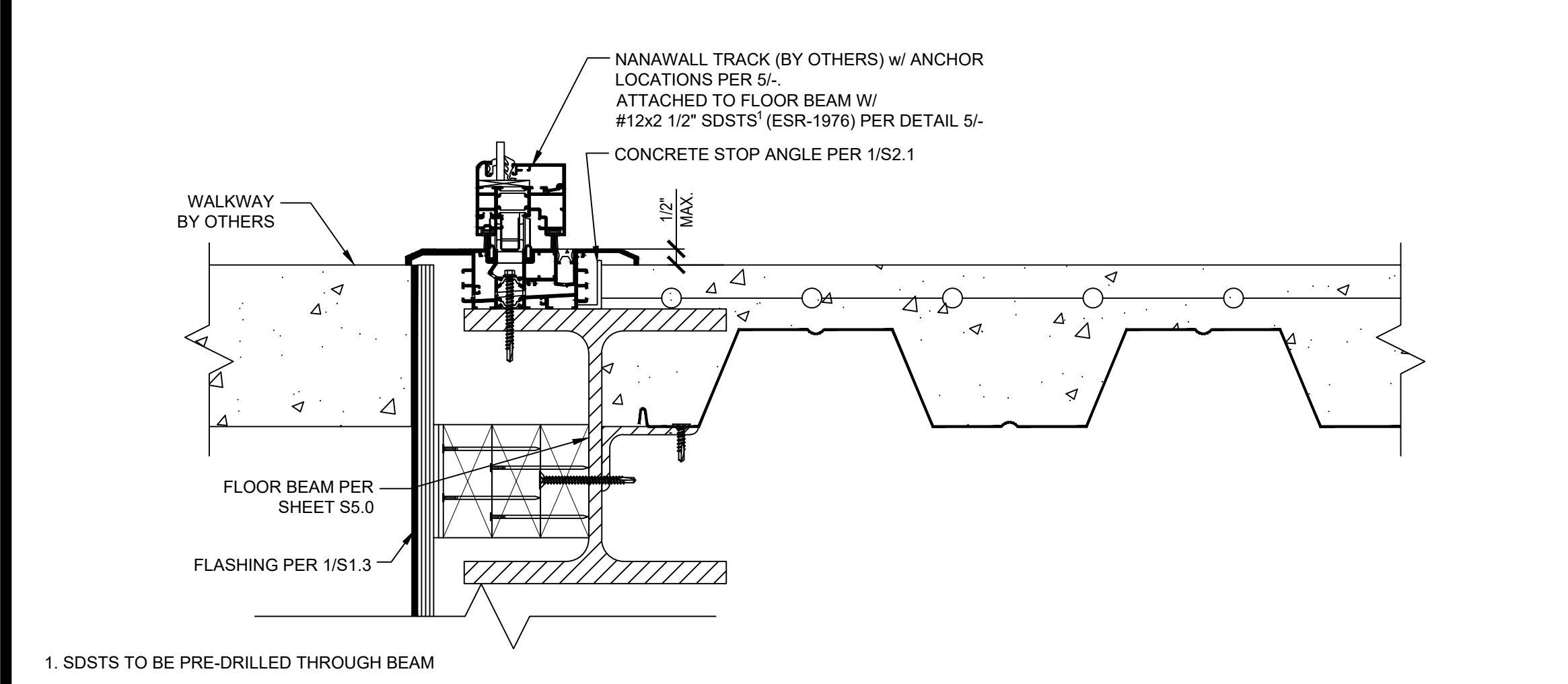
END WALL FRAMING @ NANAWALL SCALE: 1/4" = 1'-0" A



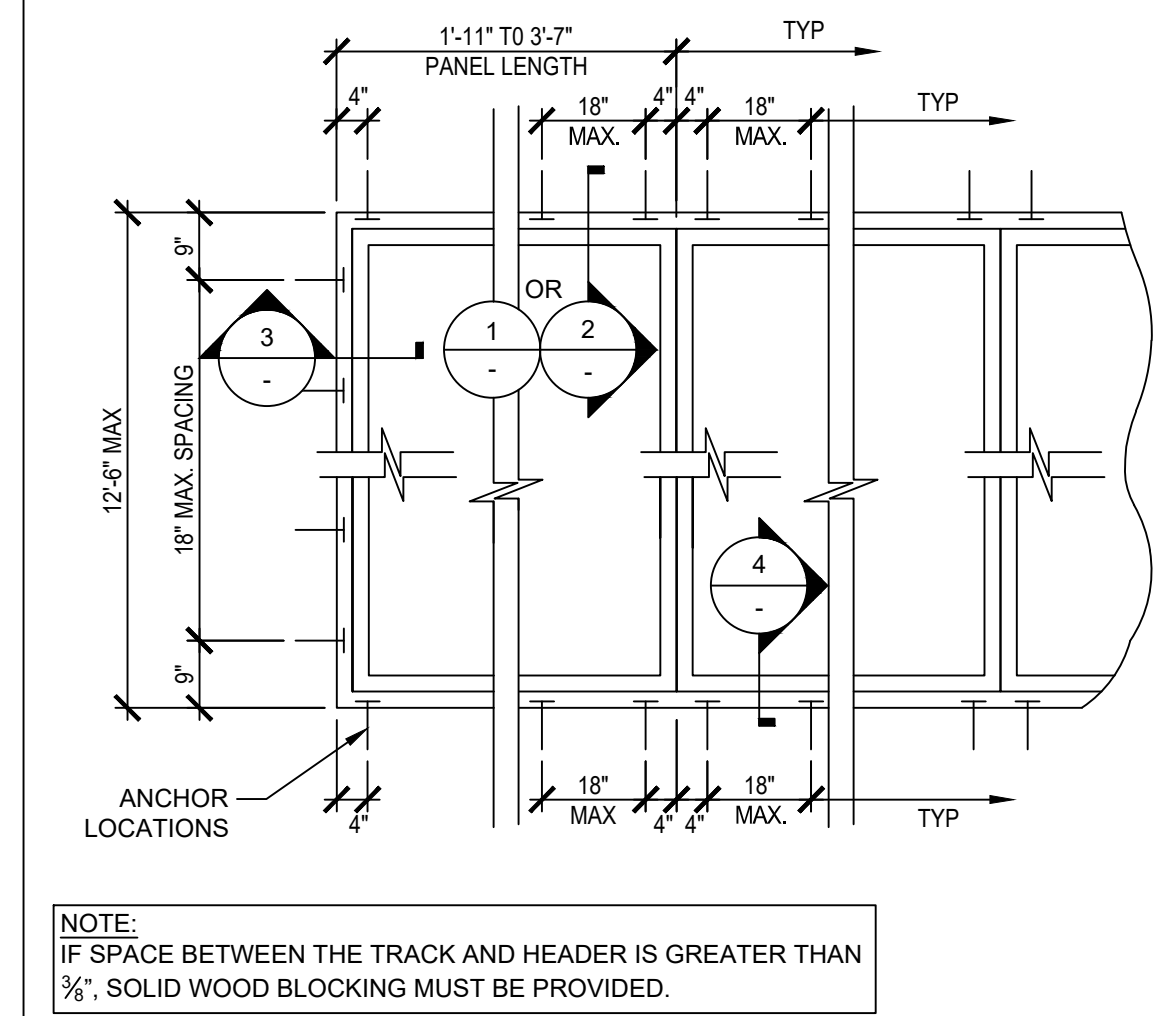
NANAWALL HEAD @ PSL DETAIL SCALE: 3" = 1'-0" 2



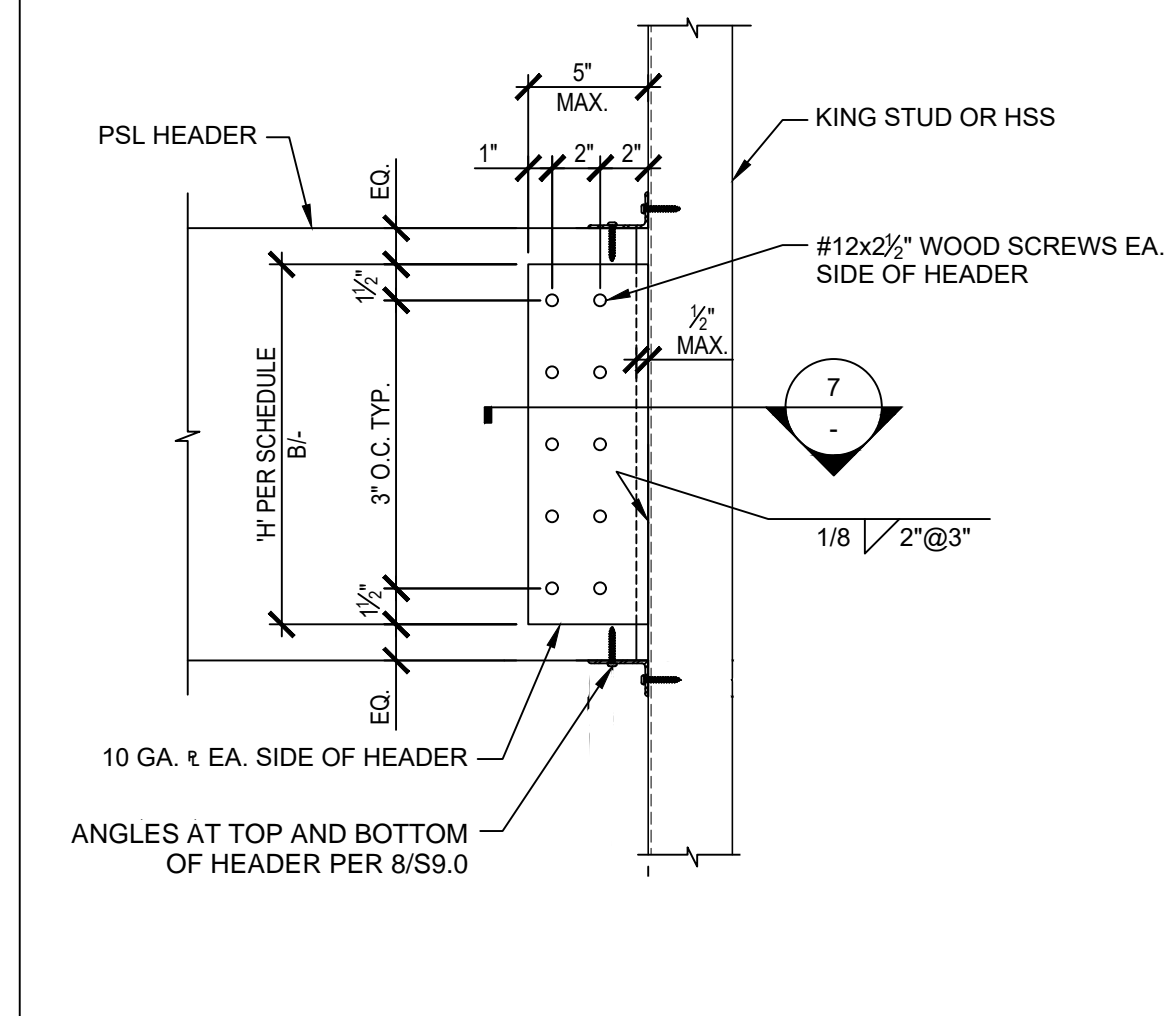
NANAWALL JAMB DETAIL SCALE: 3" = 1'-0" 3



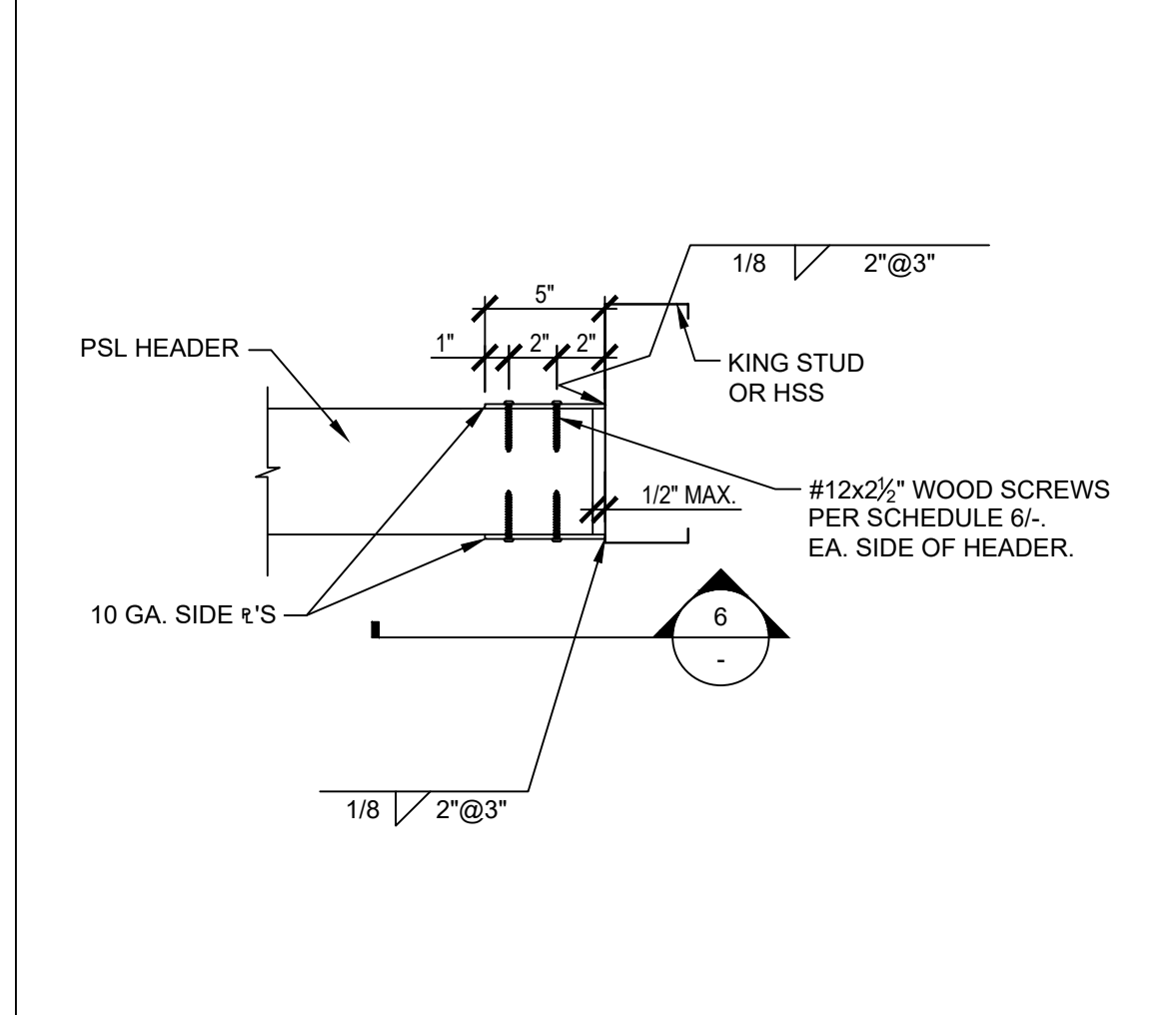
NANAWALL SILL DETAIL SCALE: 3" = 1'-0" 4



NANAWALL ANCHORAGE/FRAME SCALE: 1-1/2" = 1'-0" 5



HEADER VIEW - FRONT VIEW SCALE: 1-1/2" = 1'-0" 6



HEADER CONNECTION - TOP VIEW SCALE: 1-1/2" = 1'-0" 7



NOT USED



NOT USED



NOT USED



NOT USED



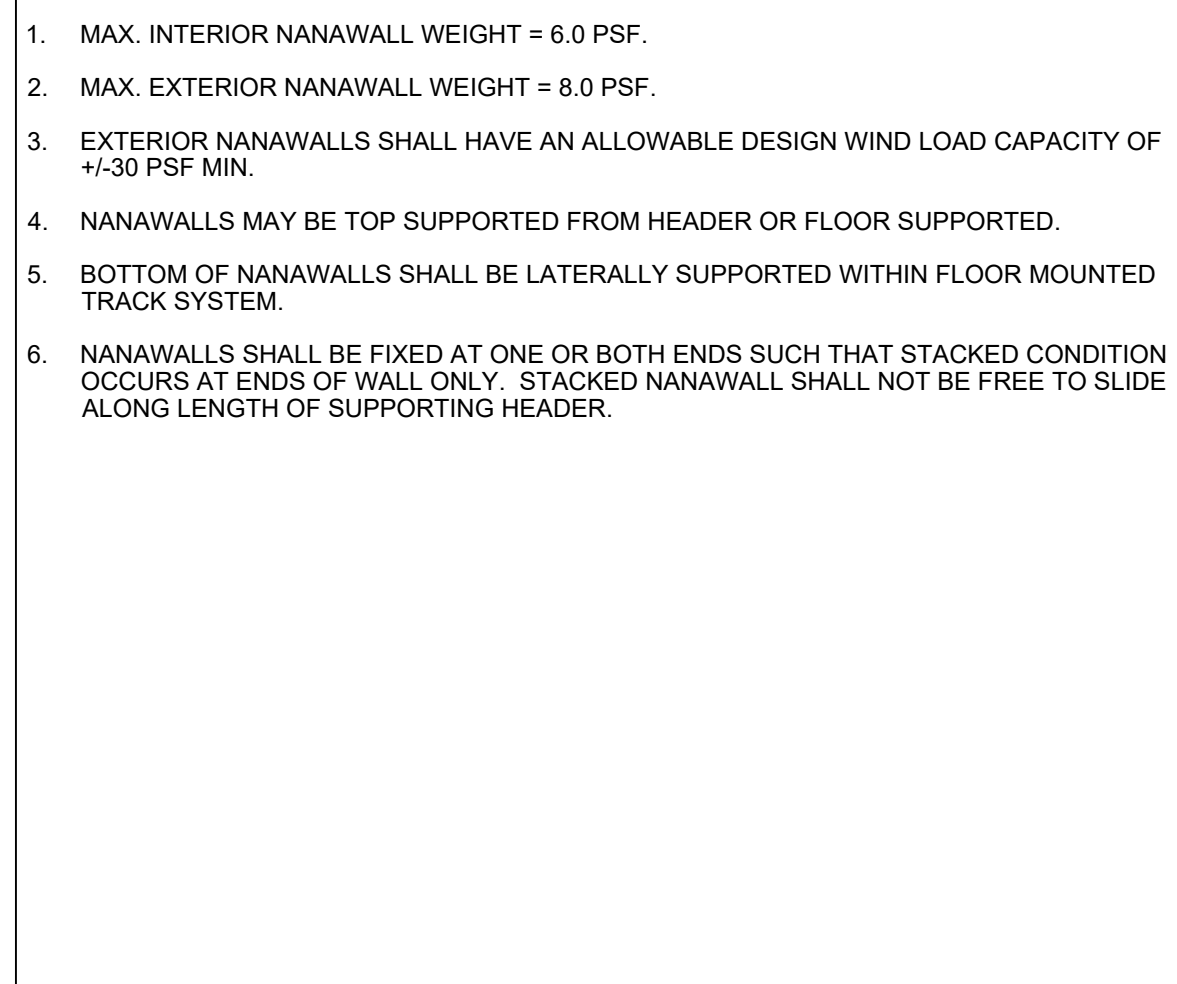
NOT USED



NOT USED



NOT USED



NANAWALL NOTES 20

IDENTIFICATION STAMP
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APP: 03-121419 INC:
REVIEWED FOR
SS FLS ACS
DATE: 09/29/2021

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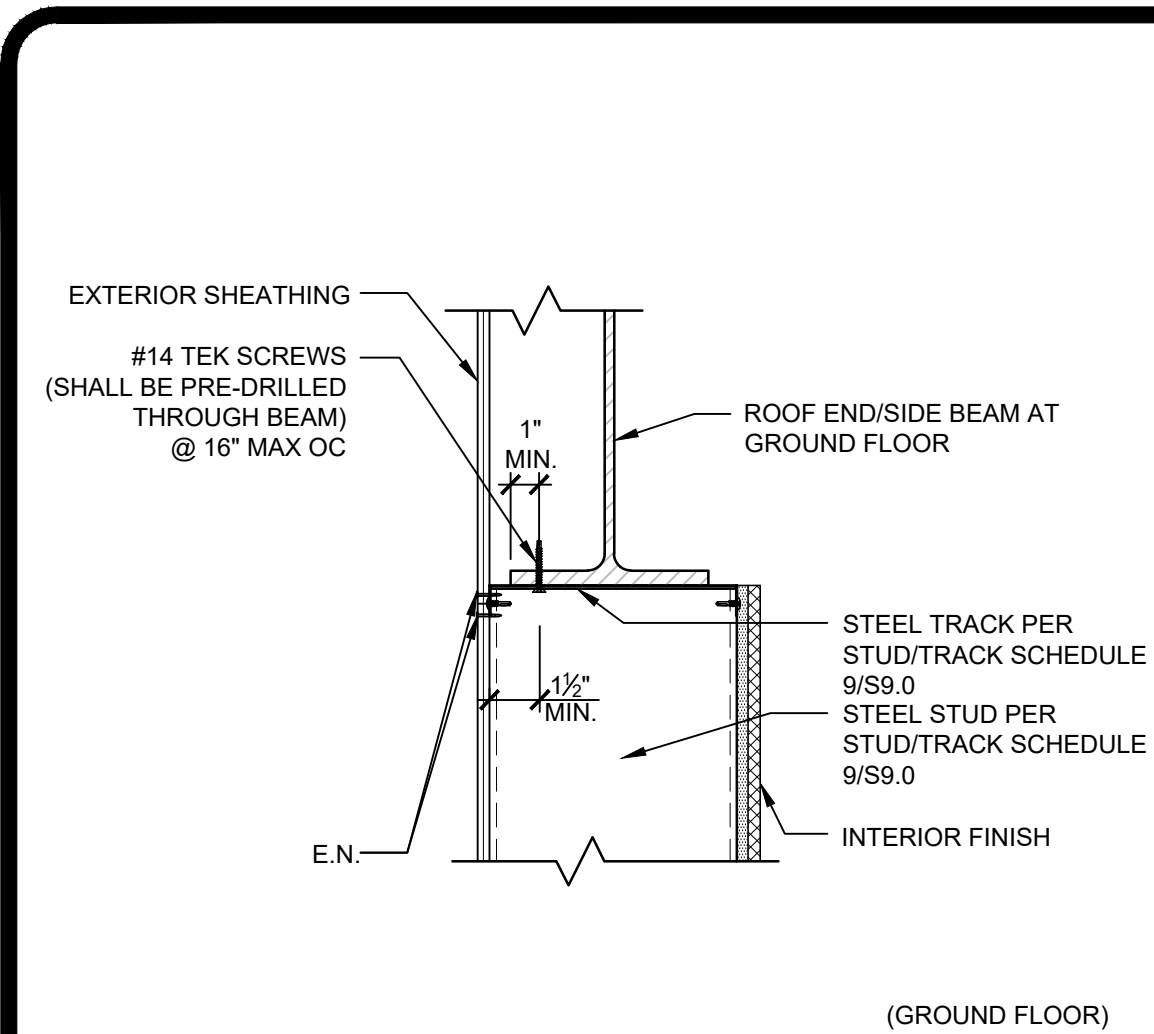
SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC

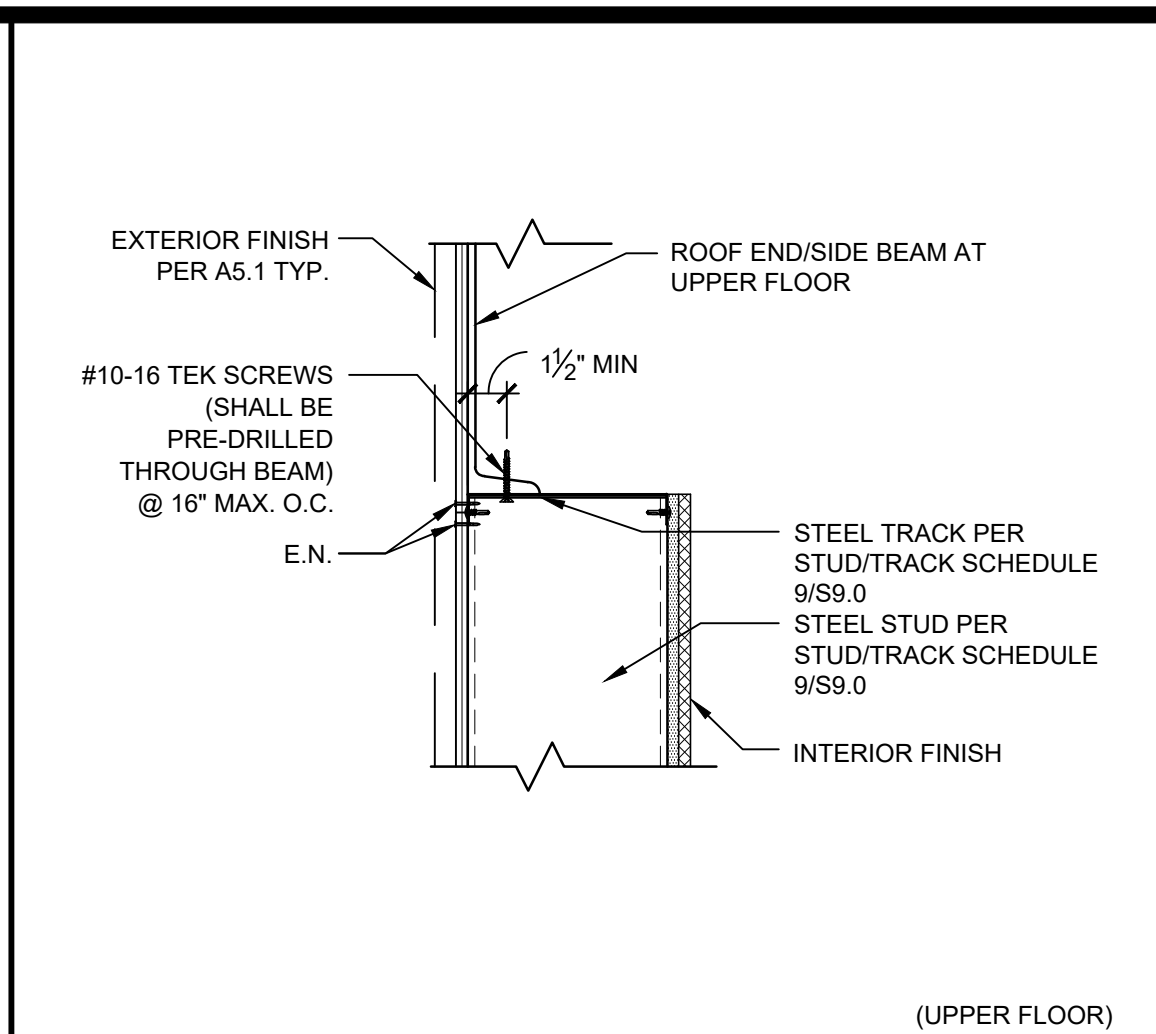
09/20/2021
RST#20203
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REVISIONS
DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE:
NANAWALL FRAMING ELEVATIONS& DETAILS
SHEET NUMBER:

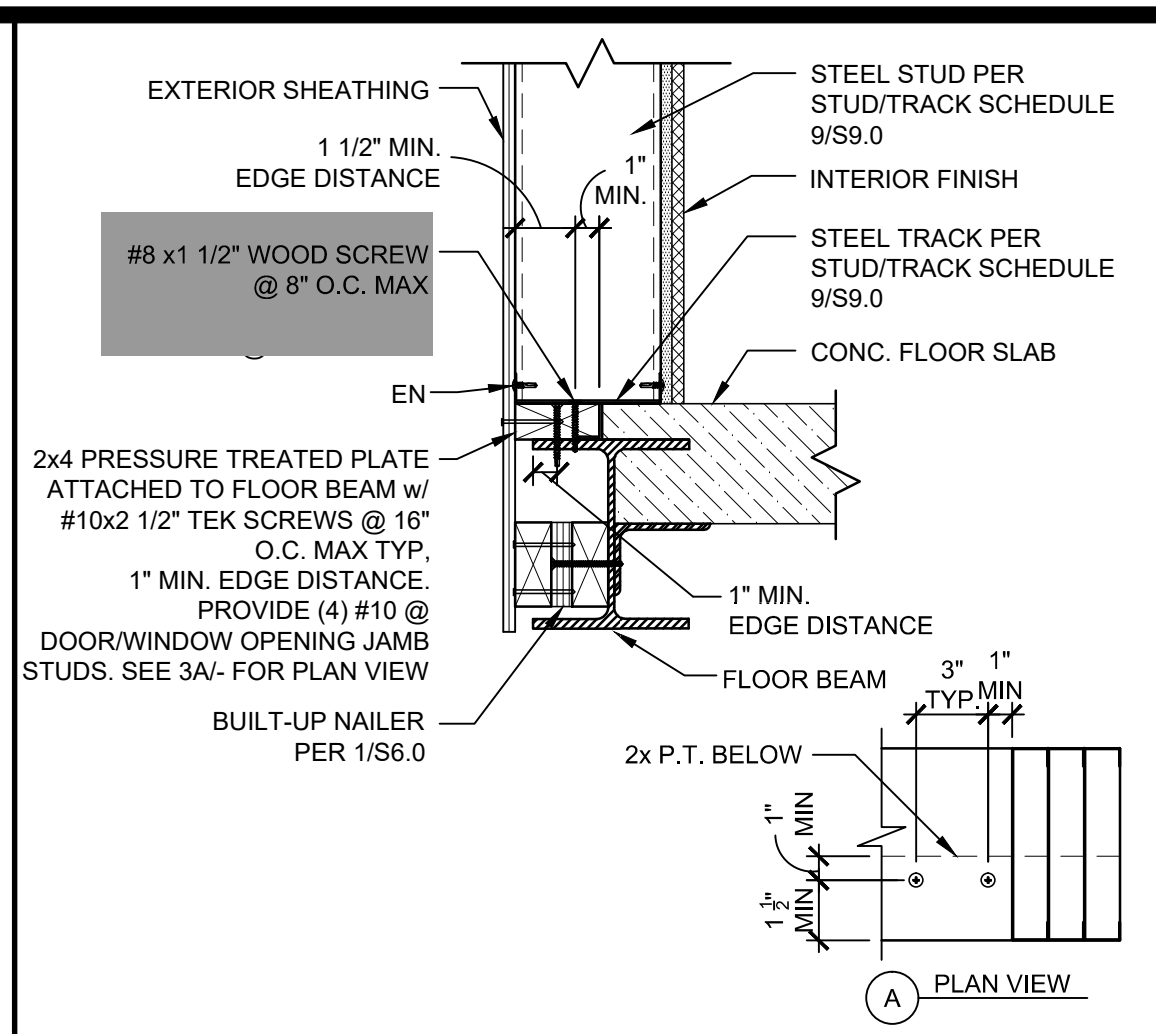
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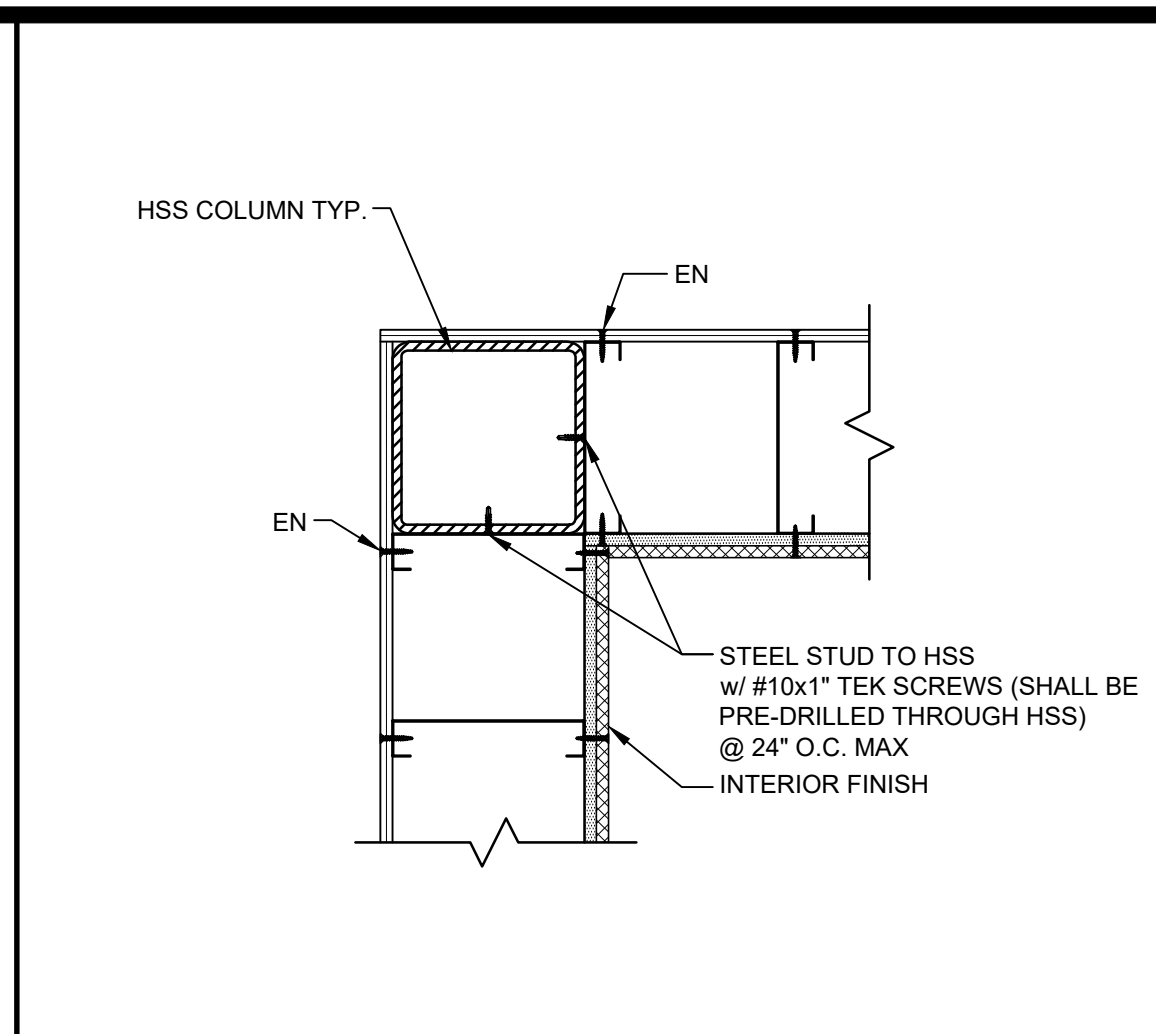
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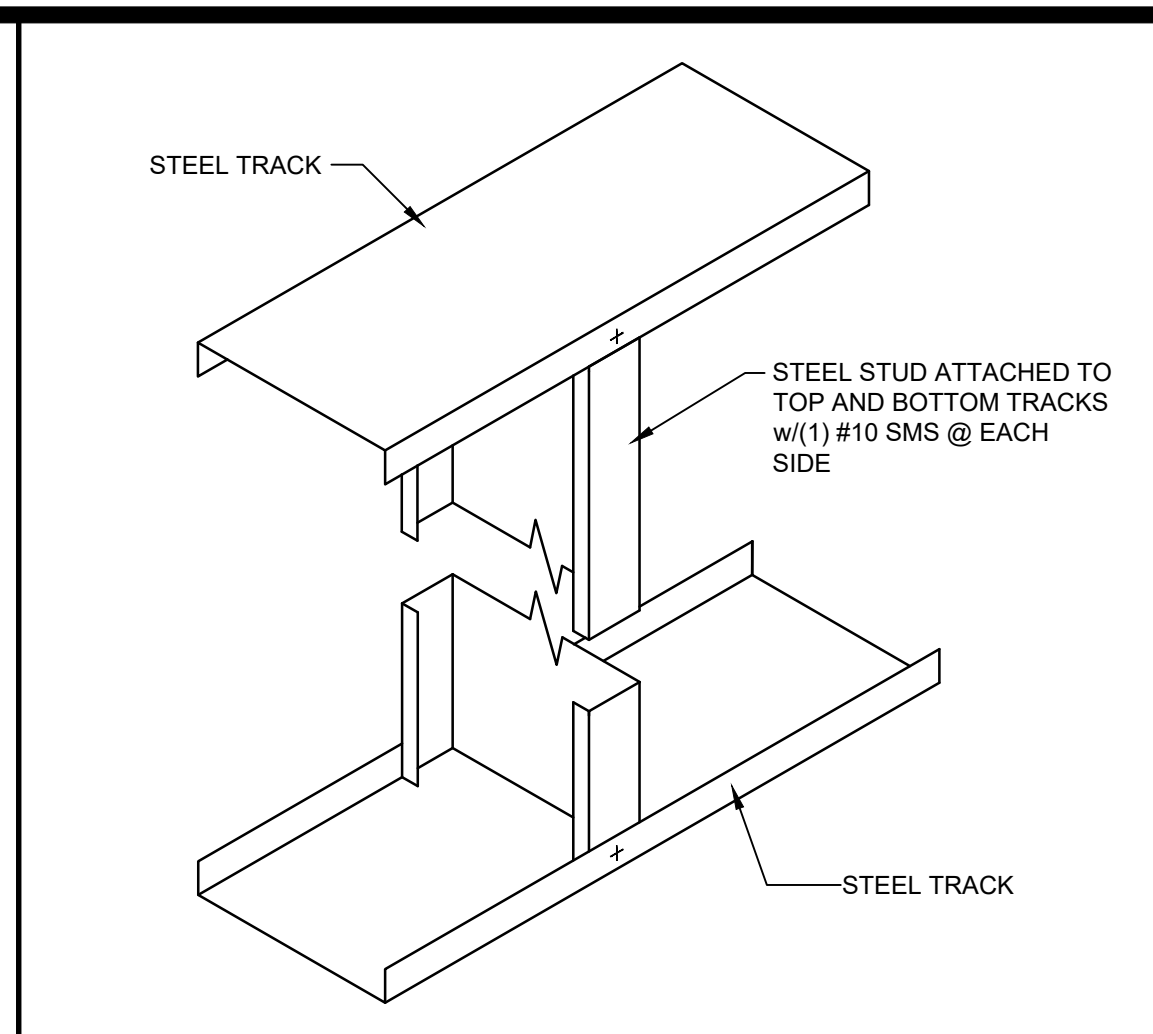
(UPPER FLOOR)



PLAN VIEW



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



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

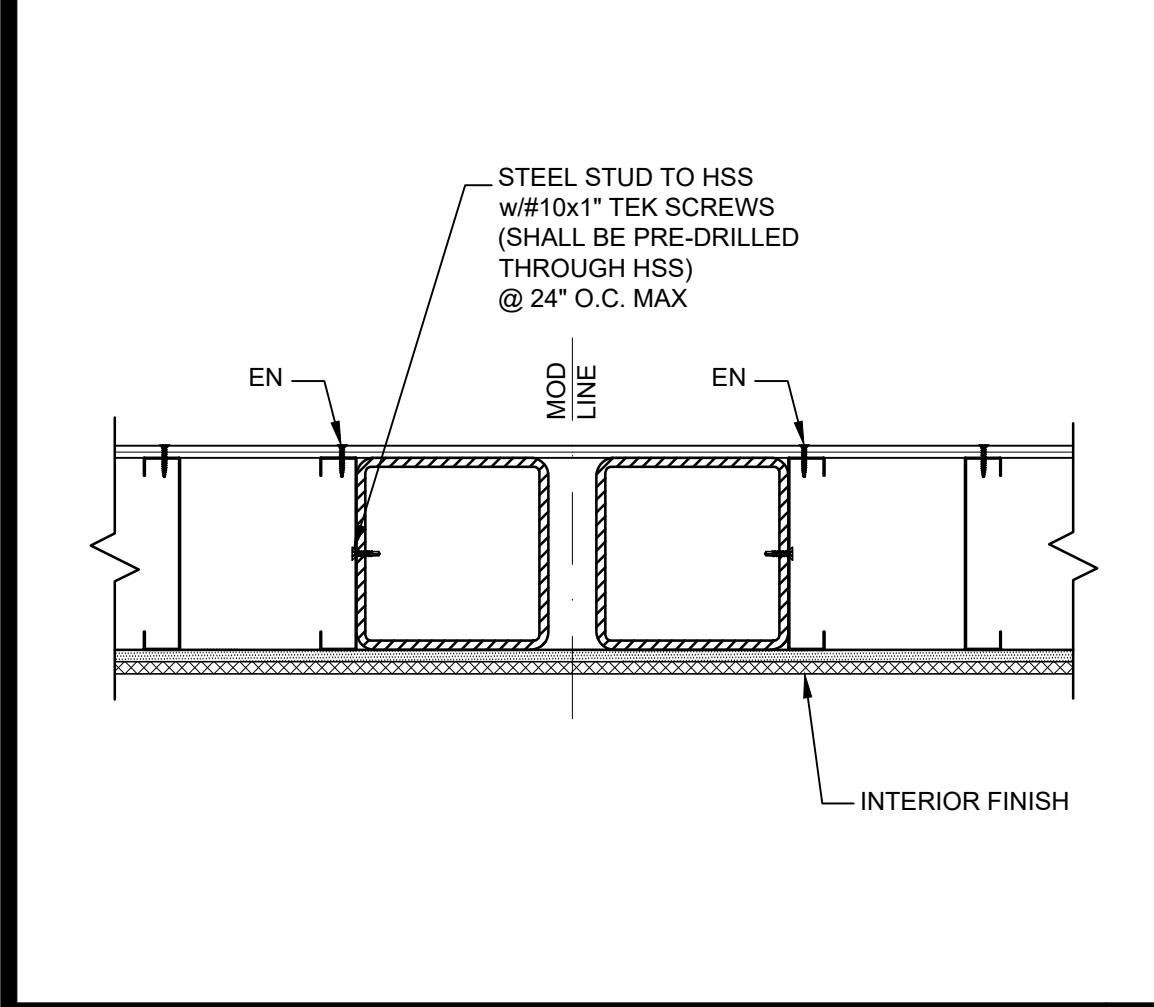
WALL TO ROOF BEAM DETAIL SCALE: 1 1/2"=1'-0" 1

WALL TO ROOF BEAM DETAIL SCALE: 1 1/2"=1'-0" 2

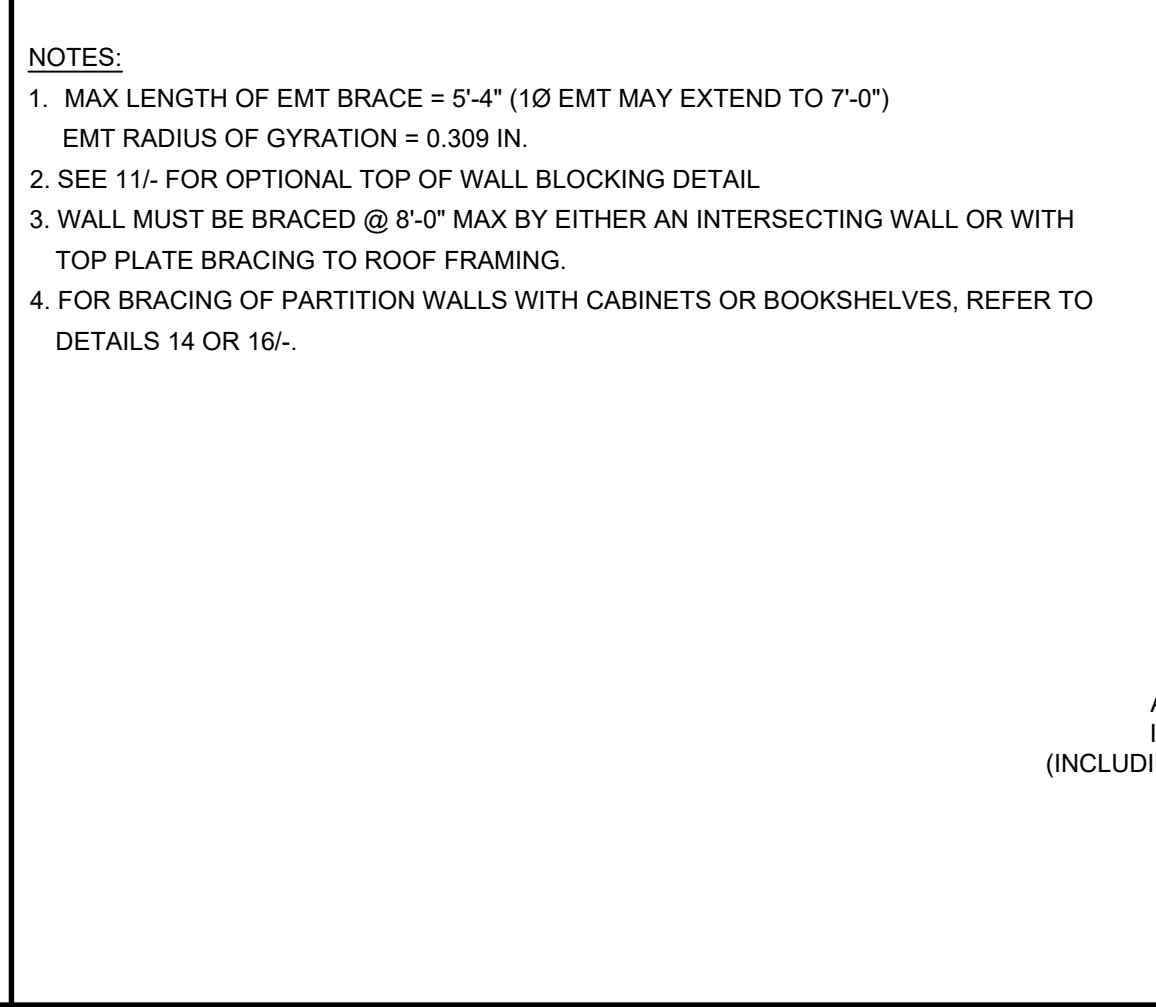
WALL TO FLOOR TYP. DETAIL SCALE: 1 1/2"=1'-0" 3

WALL TO COL TYP. DET @ CORNERS SCALE: 1 1/2"=1'-0" 4

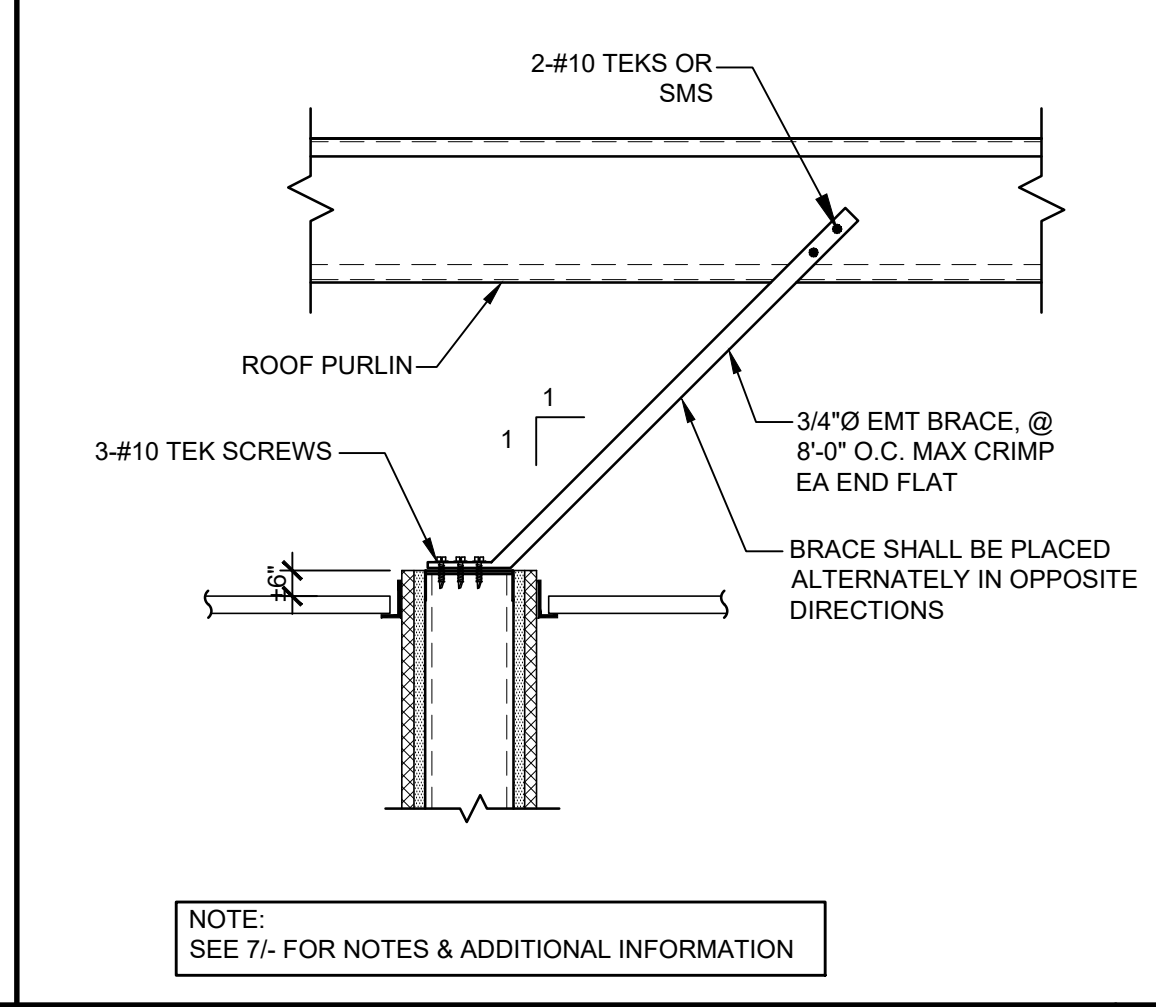
TYP. STUD ATTACHMENT SCALE: 1 1/2"=1'-0" 5



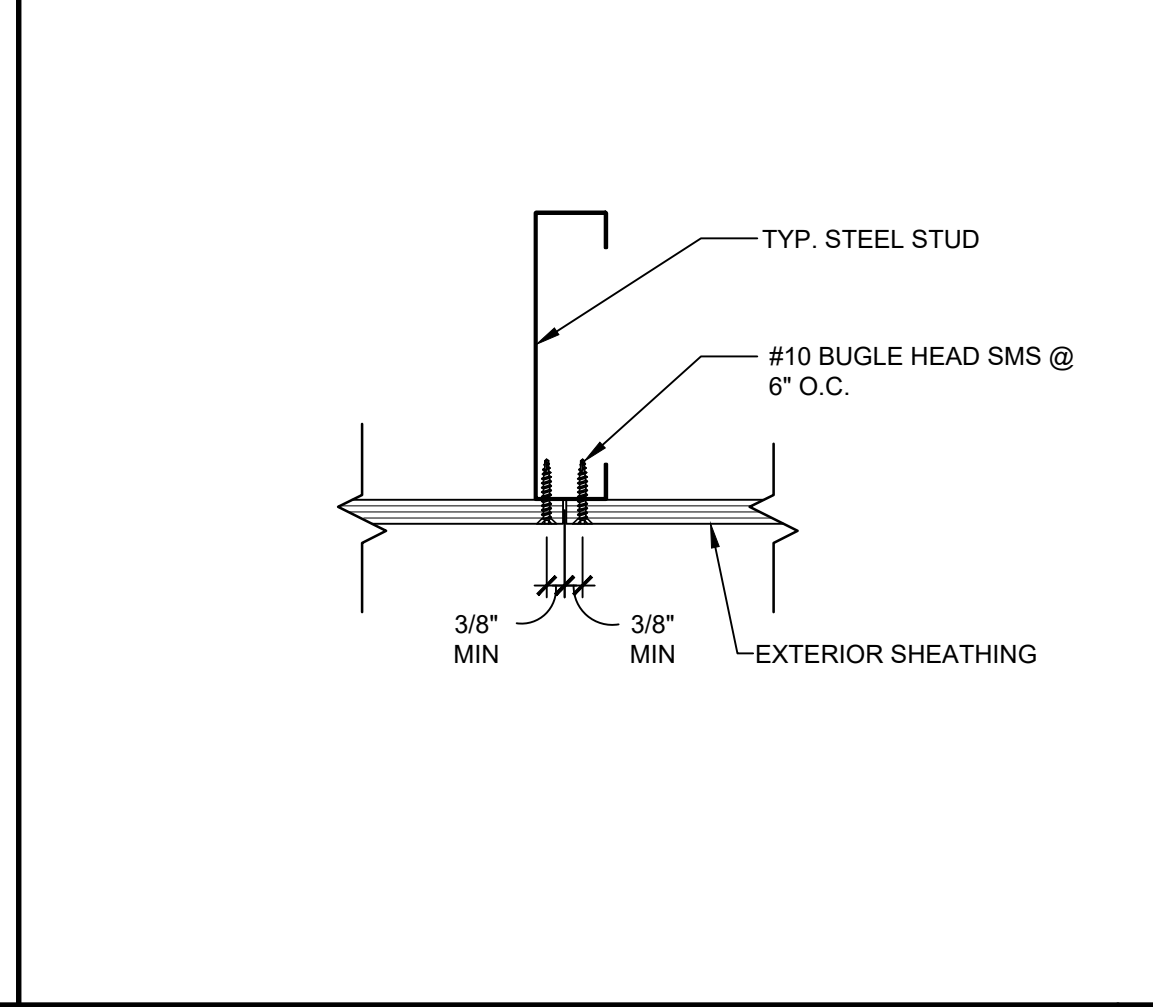
SCALE: 1 1/2"=1'-0"



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



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



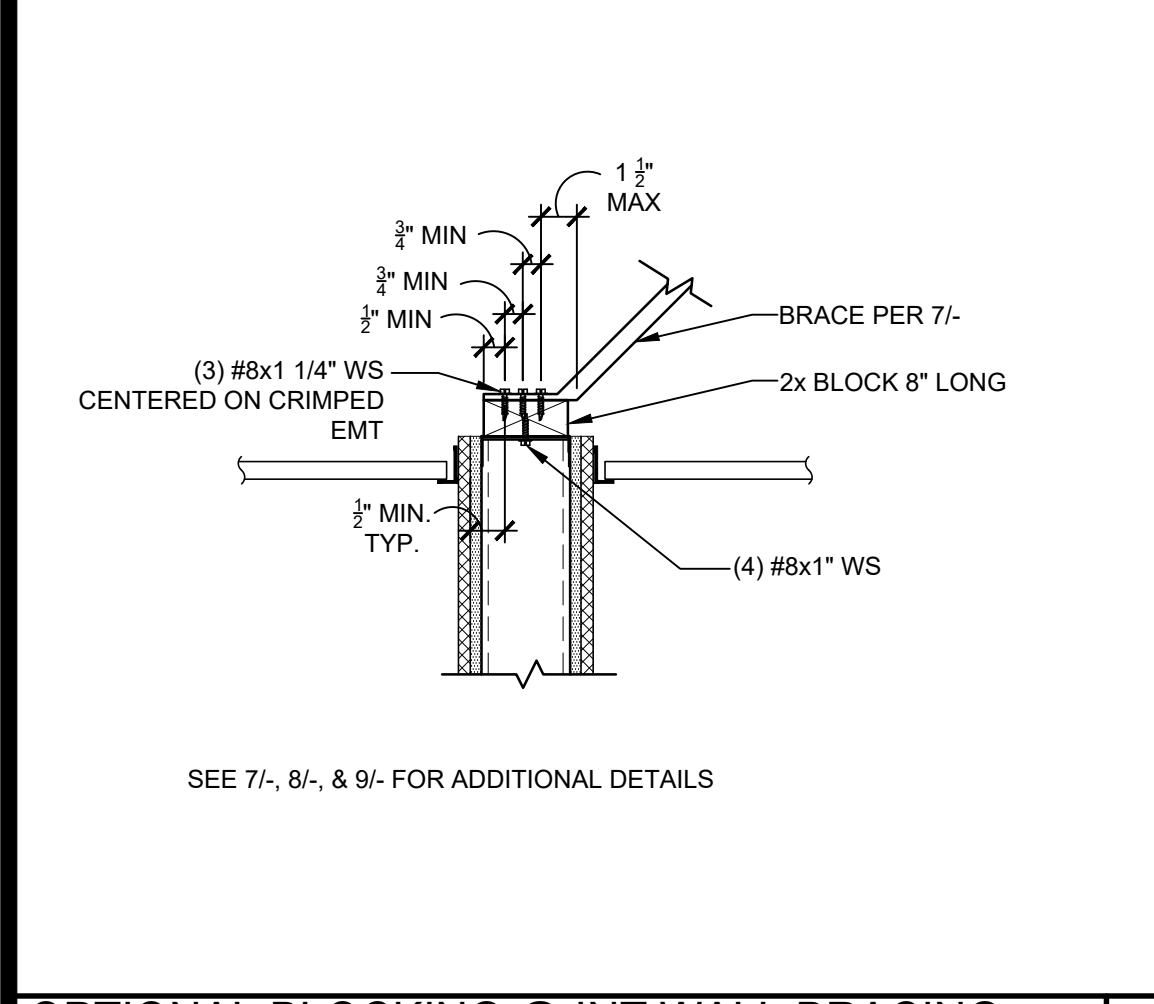
SCALE: 1 1/2"=1'-0"

WALL TO COL TYP. DET @ MODLINES SCALE: 1 1/2"=1'-0" 6

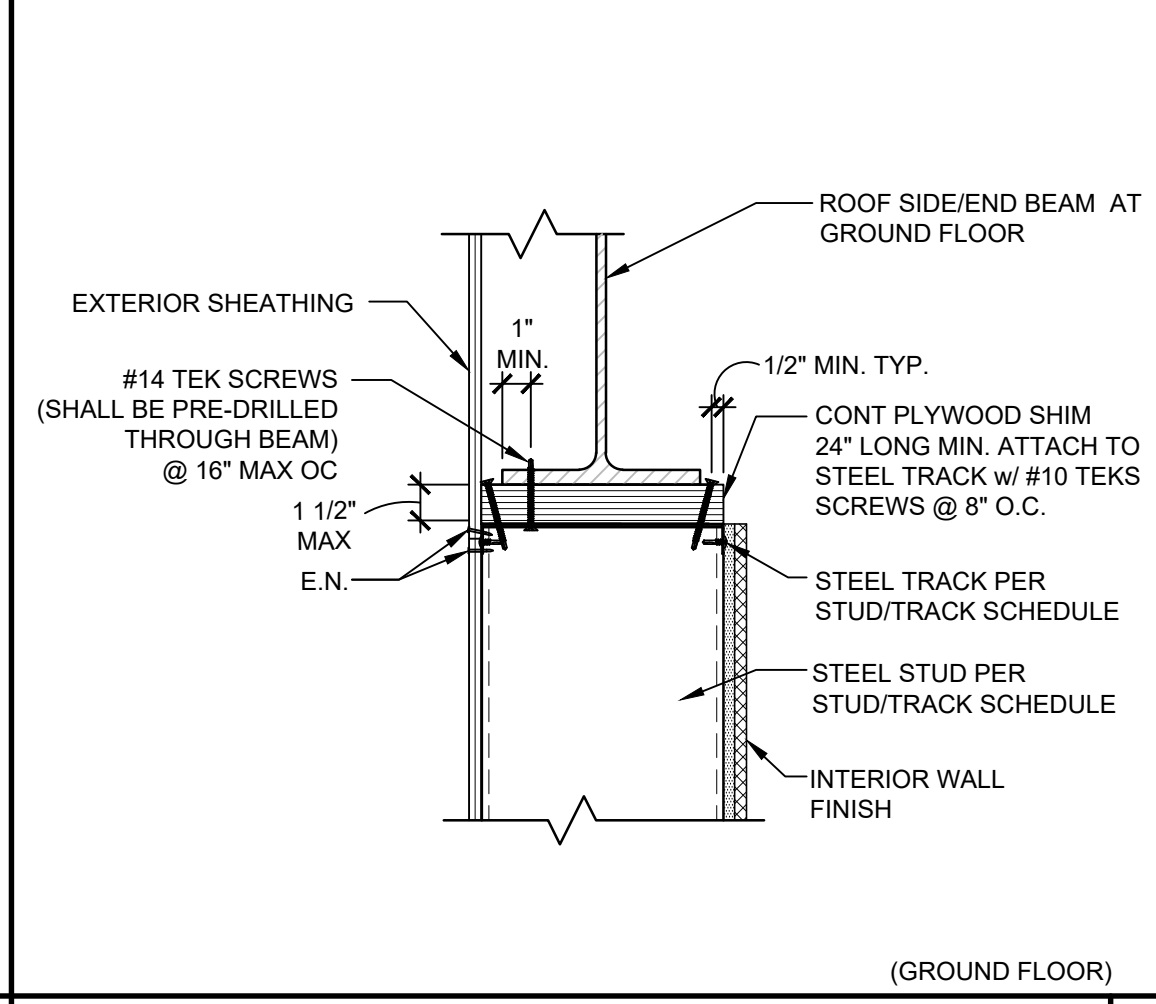
INT WALL BRACING (BRACE PERPENDICULAR TO PURLIN OR PARALLEL TO BLOCKING) SCALE: 1 1/2"=1'-0" 7

INT WALL BRACING (BRACE PARALLEL TO PURLIN) SCALE: 1 1/2"=1'-0" 8

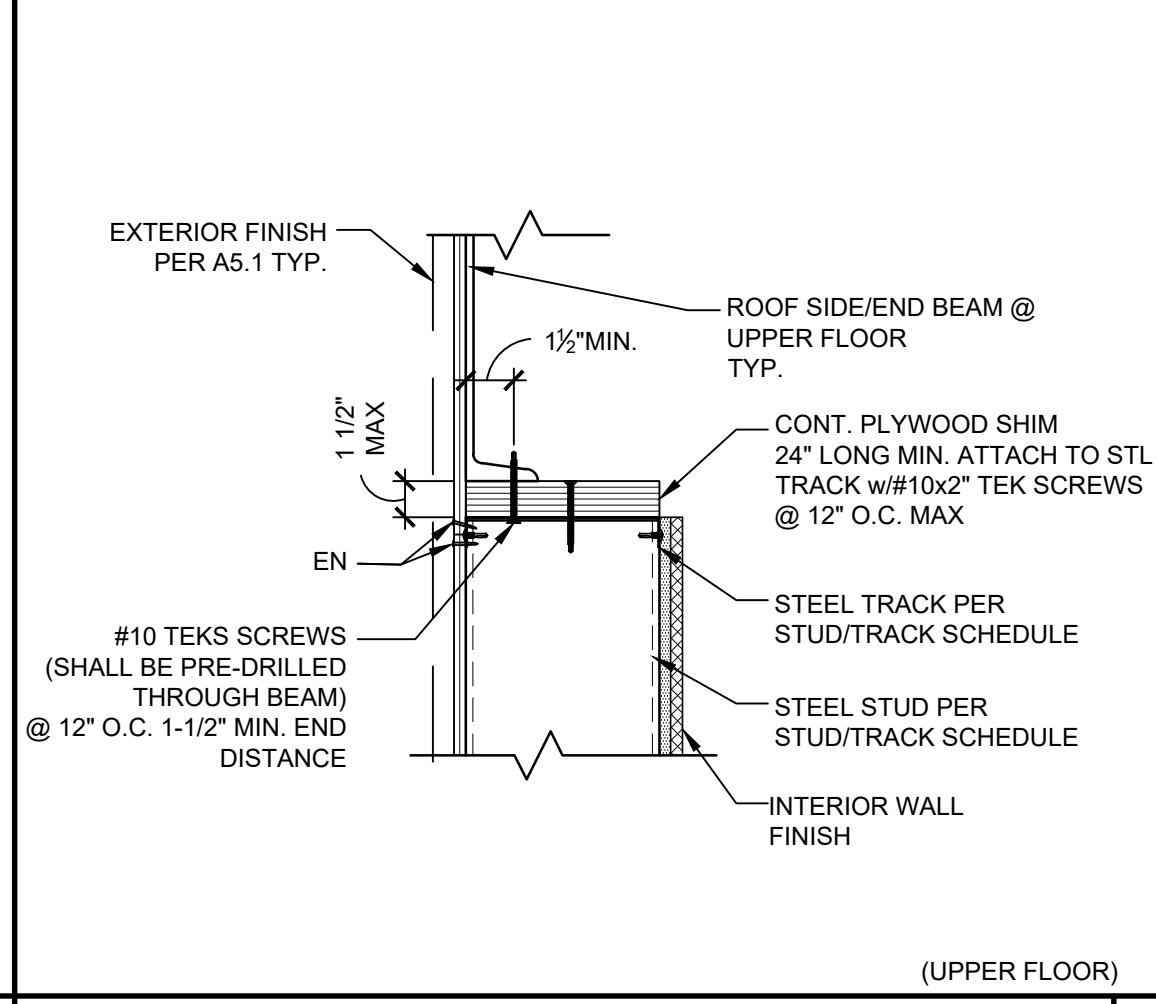
PLYWOOD JOINT SCALE: 1 1/2"=1'-0" 10



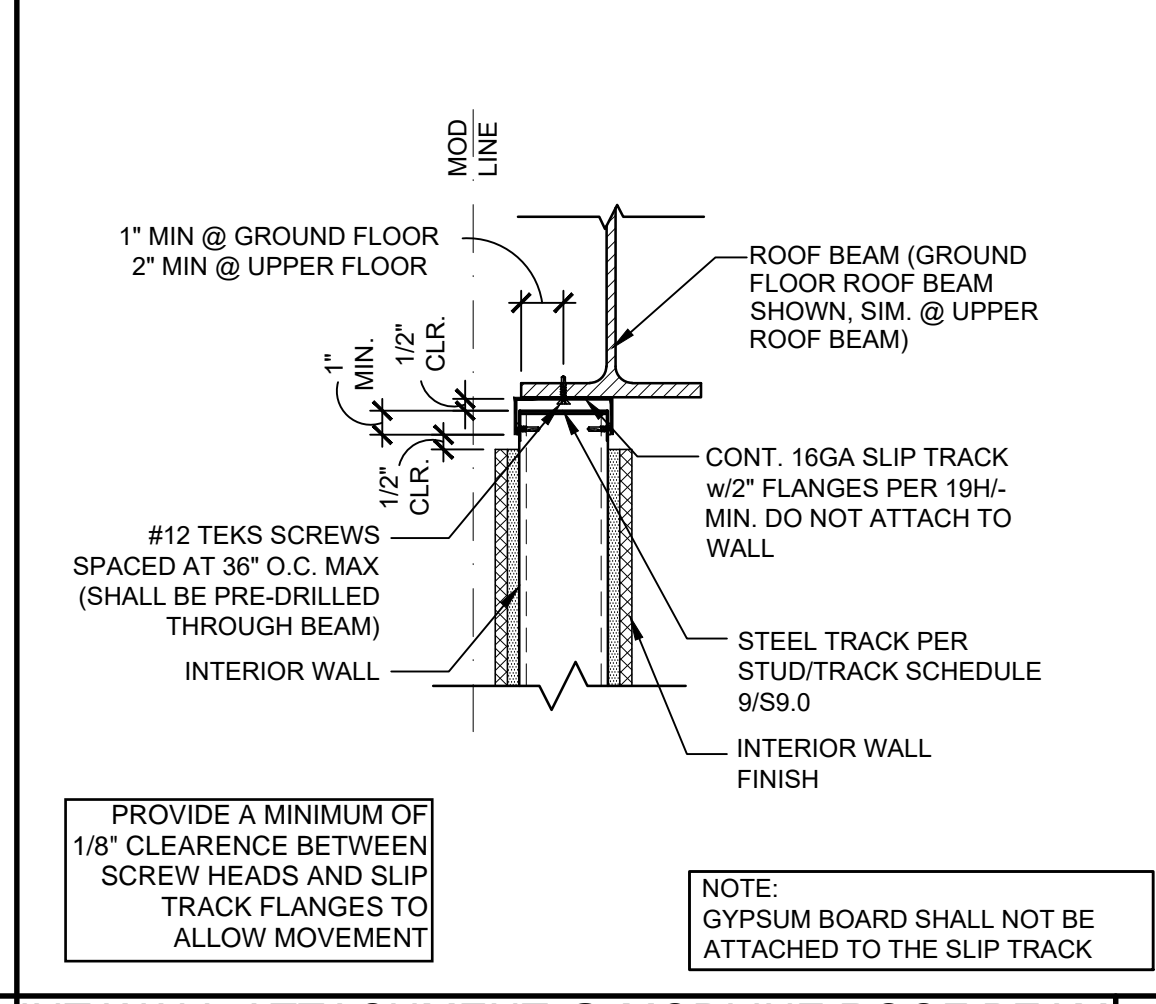
SCALE: 1 1/2"=1'-0"



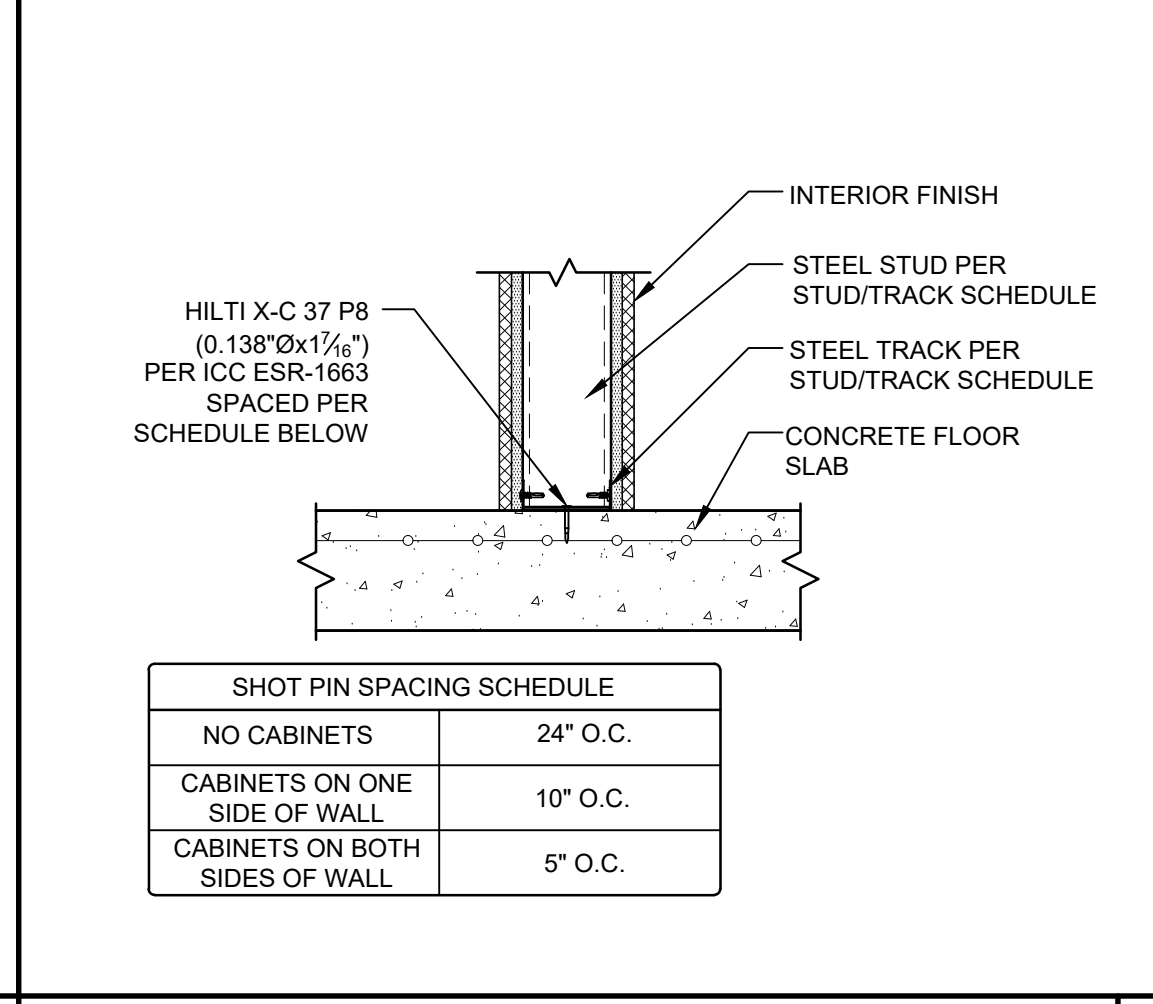
(GROUND FLOOR)



(UPPER FLOOR)



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



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

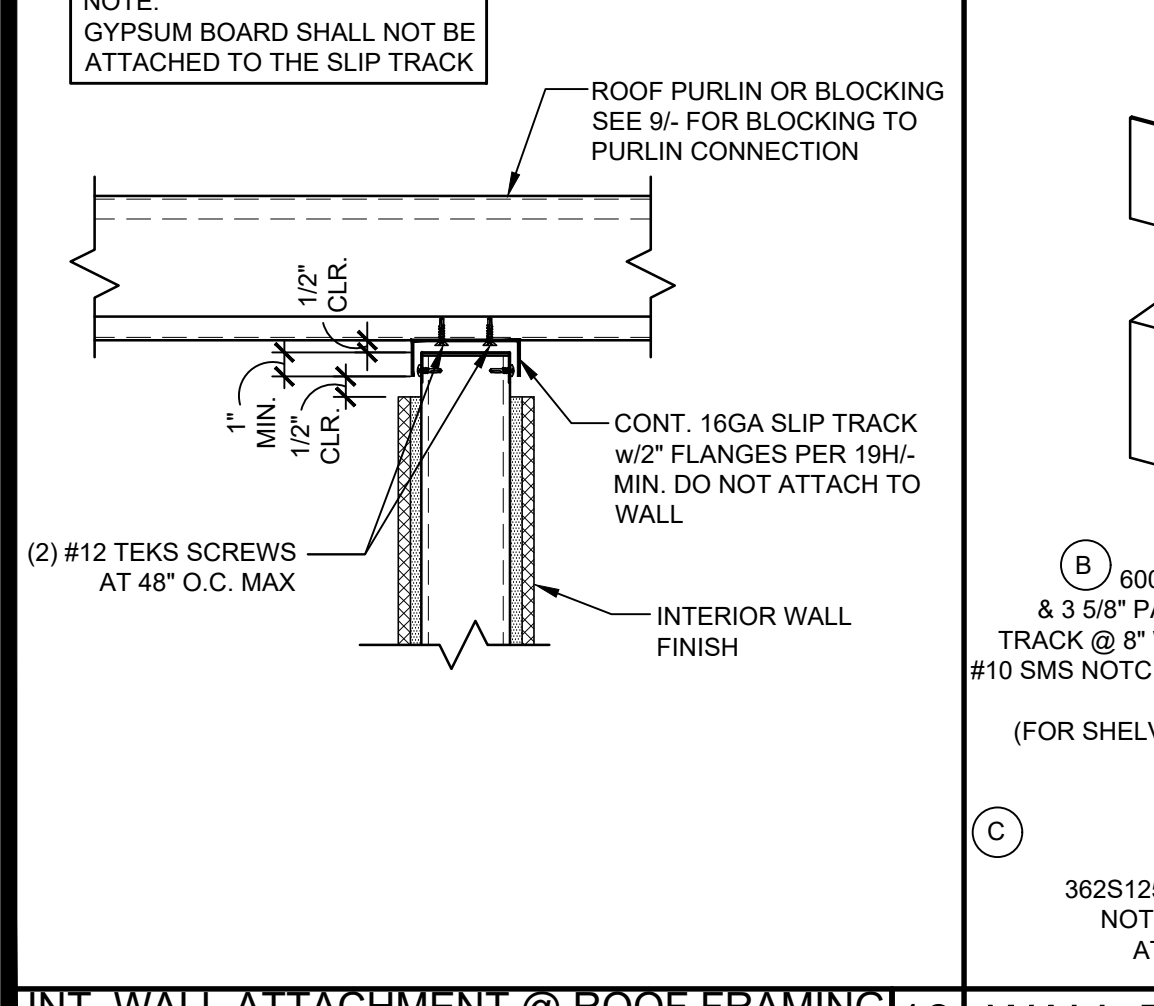
OPTIONAL BLOCKING @ INT WALL BRACING SCALE: 1 1/2"=1'-0" 11

WALL TO ROOF BEAM DET w / SHIM COND SCALE: 1 1/2"=1'-0" 12

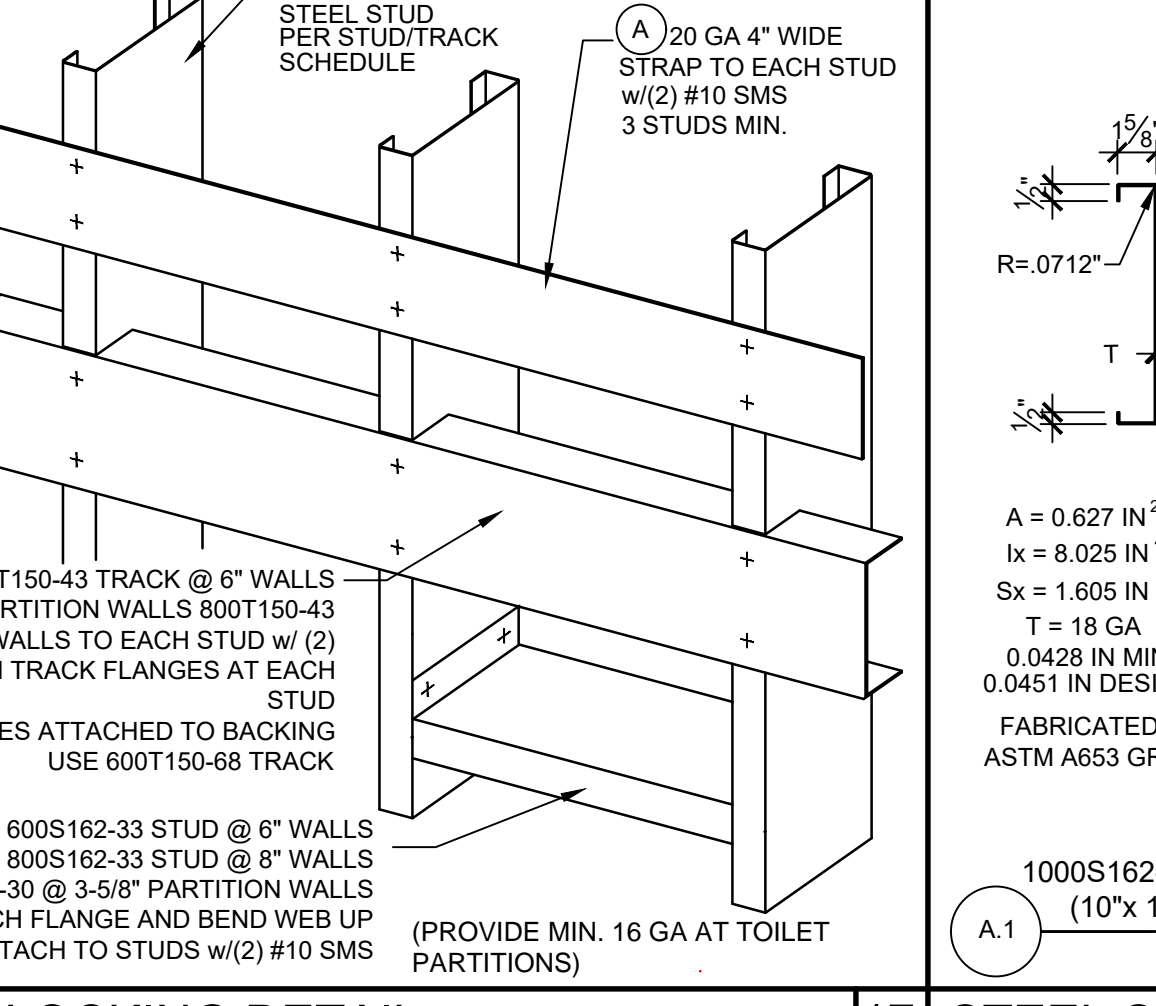
WALL TO ROOF BEAM DET w / SHIM COND SCALE: 1 1/2"=1'-0" 13

INT WALL ATTACHMENT @ MODLINE ROOF BEAM SCALE: 1 1/2"=1'-0" 14

INTERIOR WALL CONN @ FLOOR SCALE: 1 1/2"=1'-0" 15



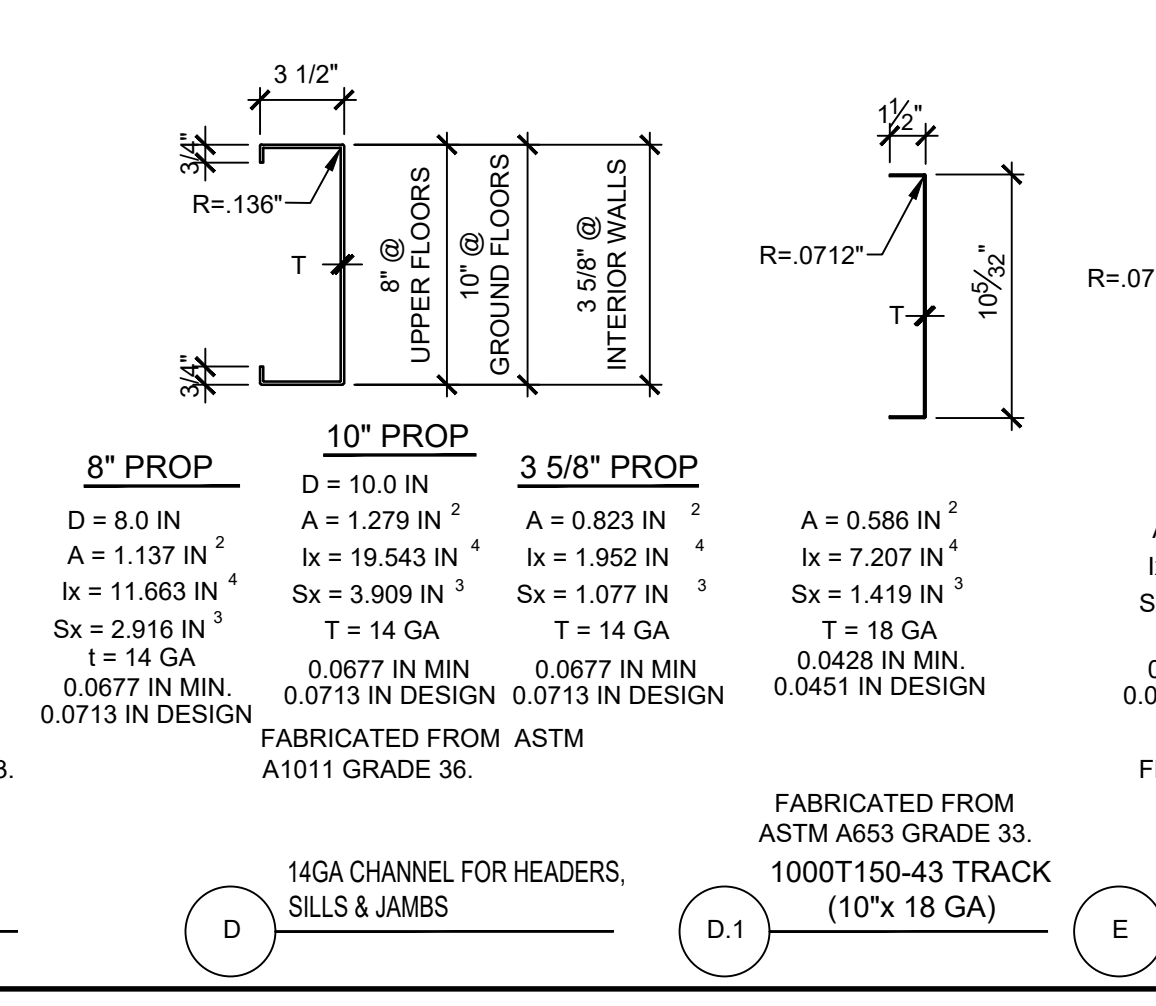
SCALE: 1 1/2"=1'-0"



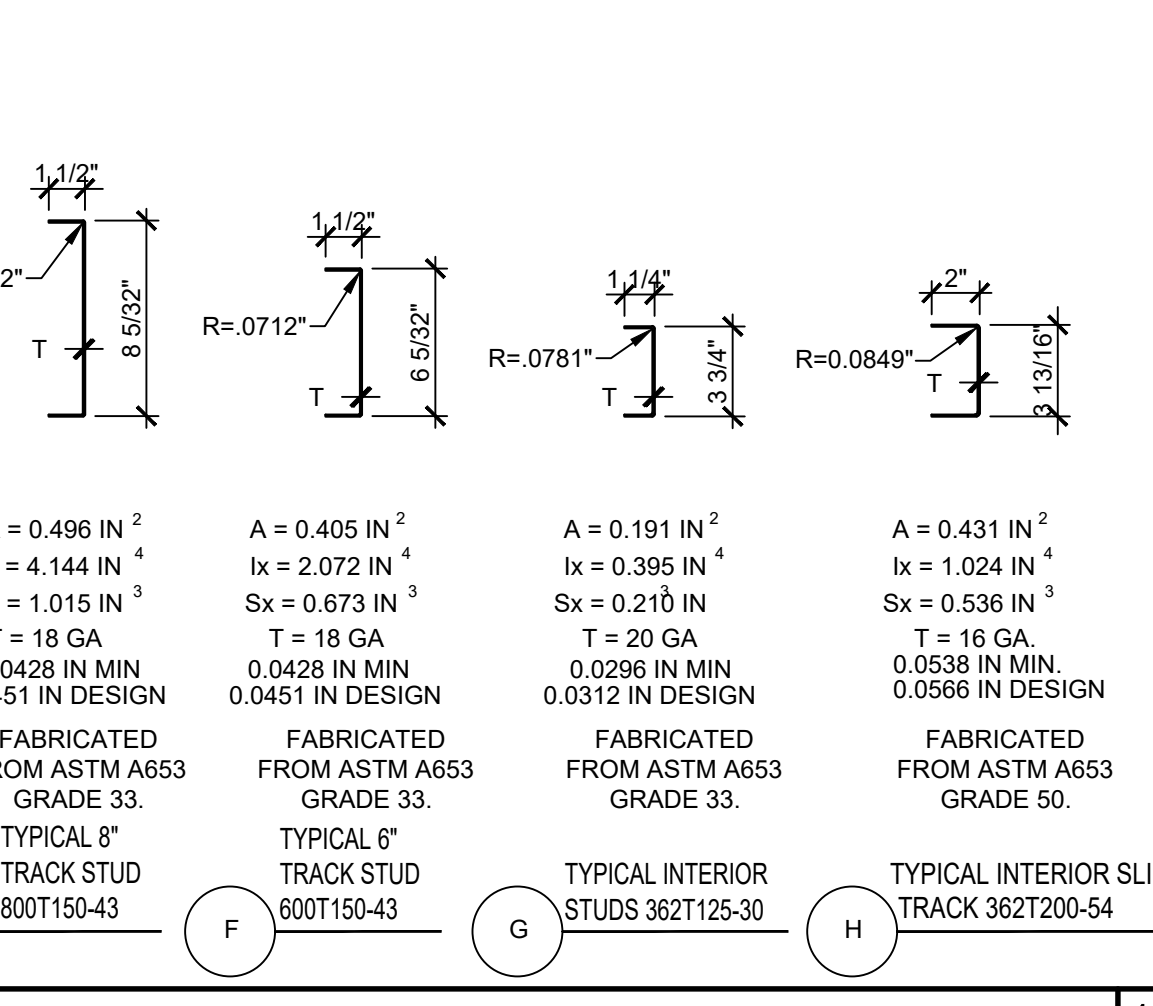
N.T.S.

STEEL STUD PROPERTIES

$A = 0.627 \text{ IN}^2$ $I_x = 8.025 \text{ IN}^4$ $S_x = 1.605 \text{ IN}^3$ $T = 18 \text{ GA}$ 0.0428 IN MIN. 0.0451 IN DESIGN FABRICATED FROM ASTM A653 GRADE 33.	$A = 0.413 \text{ IN}^2$ $I_x = 3.582 \text{ IN}^4$ $S_x = 0.896 \text{ IN}^3$ $T = 20 \text{ GA}$ 0.0329 IN MIN. 0.0349 IN DESIGN FABRICATED FROM ASTM A653 GRADE 33.	$A = 0.344 \text{ IN}^2$ $I_x = 1.793 \text{ IN}^4$ $S_x = 0.598 \text{ IN}^3$ $T = 20 \text{ GA}$ 0.0329 IN MIN. 0.0349 IN DESIGN FABRICATED FROM ASTM A653 GRADE 33.	$A = 0.194 \text{ IN}^2$ $I_x = 0.381 \text{ IN}^4$ $S_x = 0.210 \text{ IN}^3$ $T = 20 \text{ GA}$ 0.0296 IN MIN. 0.0312 IN DESIGN FABRICATED FROM ASTM A653 GRADE 33.	$A = 0.586 \text{ IN}^2$ $I_x = 7.207 \text{ IN}^4$ $S_x = 1.419 \text{ IN}^3$ $T = 18 \text{ GA}$ 0.0428 IN MIN. 0.0451 IN DESIGN FABRICATED FROM ASTM A653 GRADE 33.	$A = 0.496 \text{ IN}^2$ $I_x = 4.144 \text{ IN}^4$ $S_x = 1.015 \text{ IN}^3$ $T = 18 \text{ GA}$ 0.0428 IN MIN. 0.0451 IN DESIGN FABRICATED FROM ASTM A653 GRADE 33.	$A = 0.405 \text{ IN}^2$ $I_x = 2.072 \text{ IN}^4$ $S_x = 0.673 \text{ IN}^3$ $T = 18 \text{ GA}$ 0.0428 IN MIN. 0.0451 IN DESIGN FABRICATED FROM ASTM A653 GRADE 33.	$A = 0.191 \text{ IN}^2$ $I_x = 0.395 \text{ IN}^4$ $S_x = 0.210 \text{ IN}^3$ $T = 20 \text{ GA}$ 0.0296 IN MIN. 0.0312 IN DESIGN FABRICATED FROM ASTM A653 GRADE 33.	$A = 0.431 \text{ IN}^2$ $I_x = 1.024 \text{ IN}^4$ $S_x = 0.536 \text{ IN}^3$ $T = 16 \text{ GA}$ 0.0538 IN MIN. 0.0568 IN DESIGN FABRICATED FROM ASTM A653 GRADE 50.
--	--	--	--	--	--	--	--	--



N.T.S.



N.T.S.

INT. WALL ATTACHMENT @ ROOF FRAMING SCALE: 1 1/2"=1'-0" 16

WALL BLOCKING DETAIL N.T.S. 17

STEEL STUD PROPERTIES N.T.S. 19

WALL FRAMING DETAILS

WALL FRAMING DETAILS

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-121419 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 09/29/2021



787 Spreckels Ave.,
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 Phone (209) 825-1921
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SET NAME
 (1) 144'x40' 2 STORY
 CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
 GLENDALE USD
 MONTE VISTA
 ELEMENTARY SCHOOL

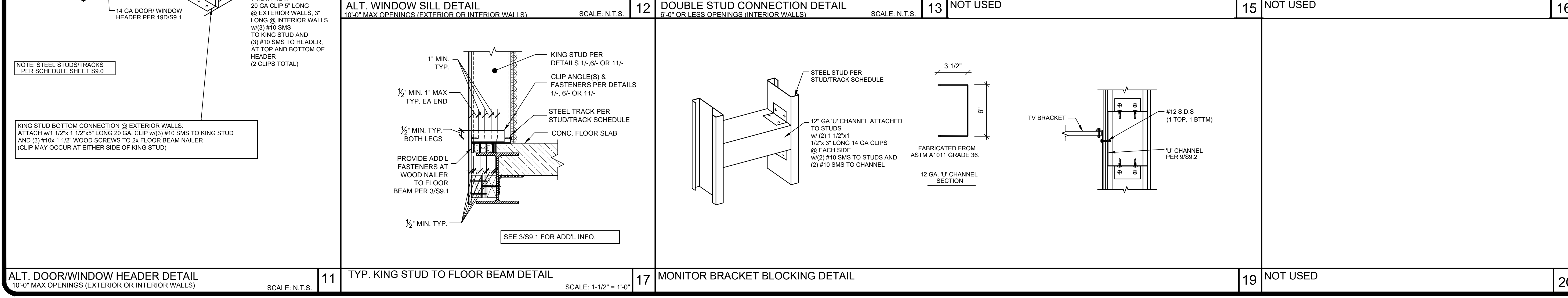
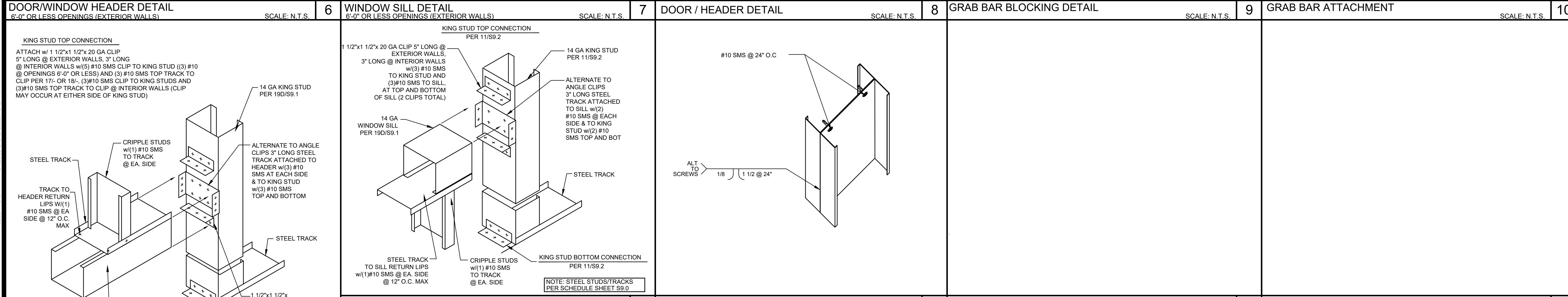
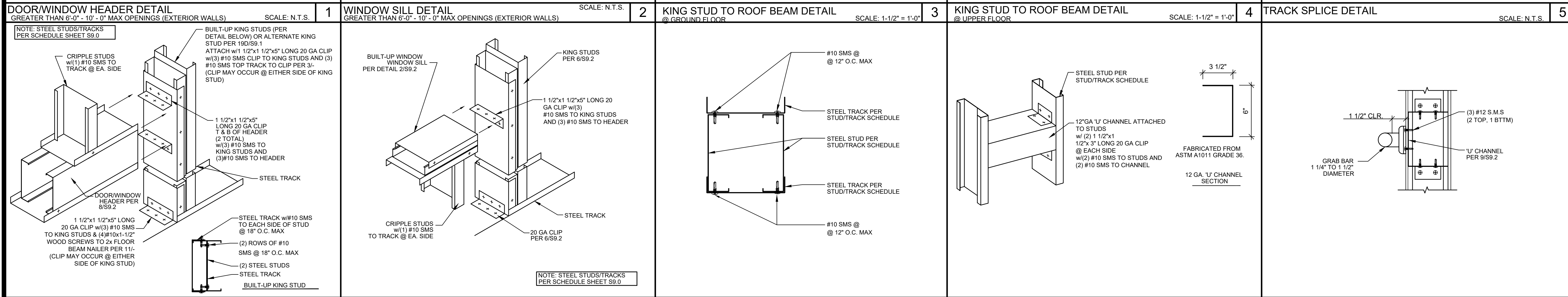
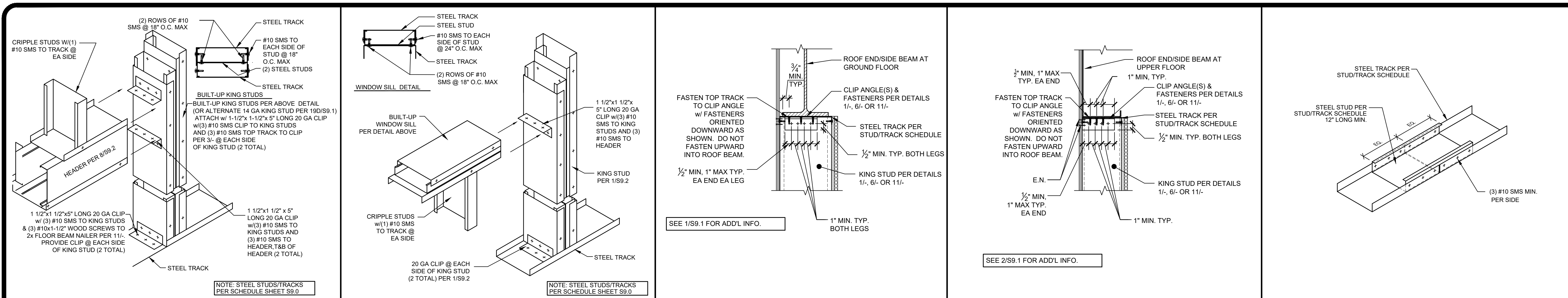
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 09/20/2021
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REVISIONS

DRAWN BY: AH
 SCALE: AS NOTED
 DATE: 07/05/21
 PROJECT NO: 1614-20
 SHEET TITLE:

WALL FRAMING
 DETAILS
 SHEET NUMBER:
S9.1



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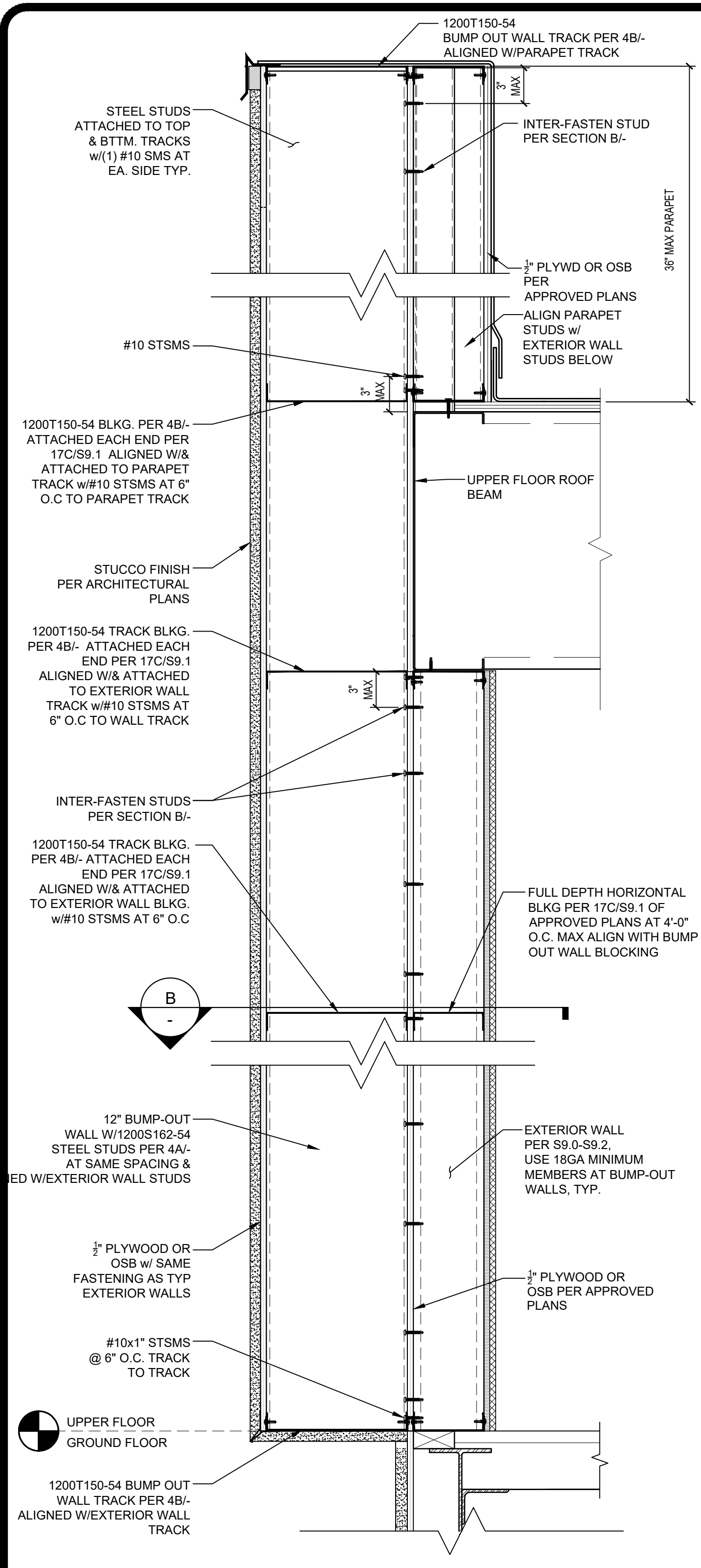
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(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

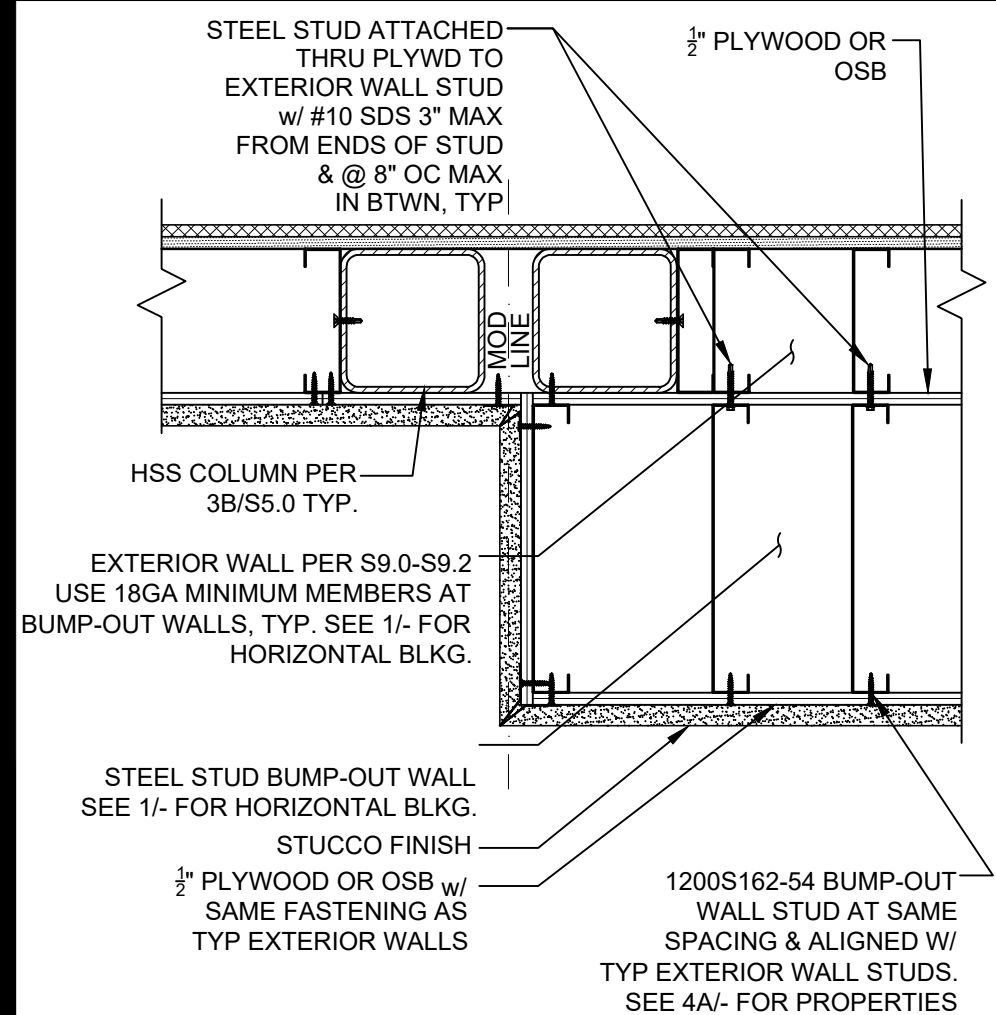
MANUFACTURER PROFESSIONAL OF RECORD ON PC
Patrick J. Amodeo
REGISTERED ARCHITECT
No. C12631
Ren. 2-31-23
STATE OF CALIFORNIA
Matthew P. Fry
REGISTERED PROFESSIONAL
No. 53380
STRUCTURAL
STATE OF CALIFORNIA
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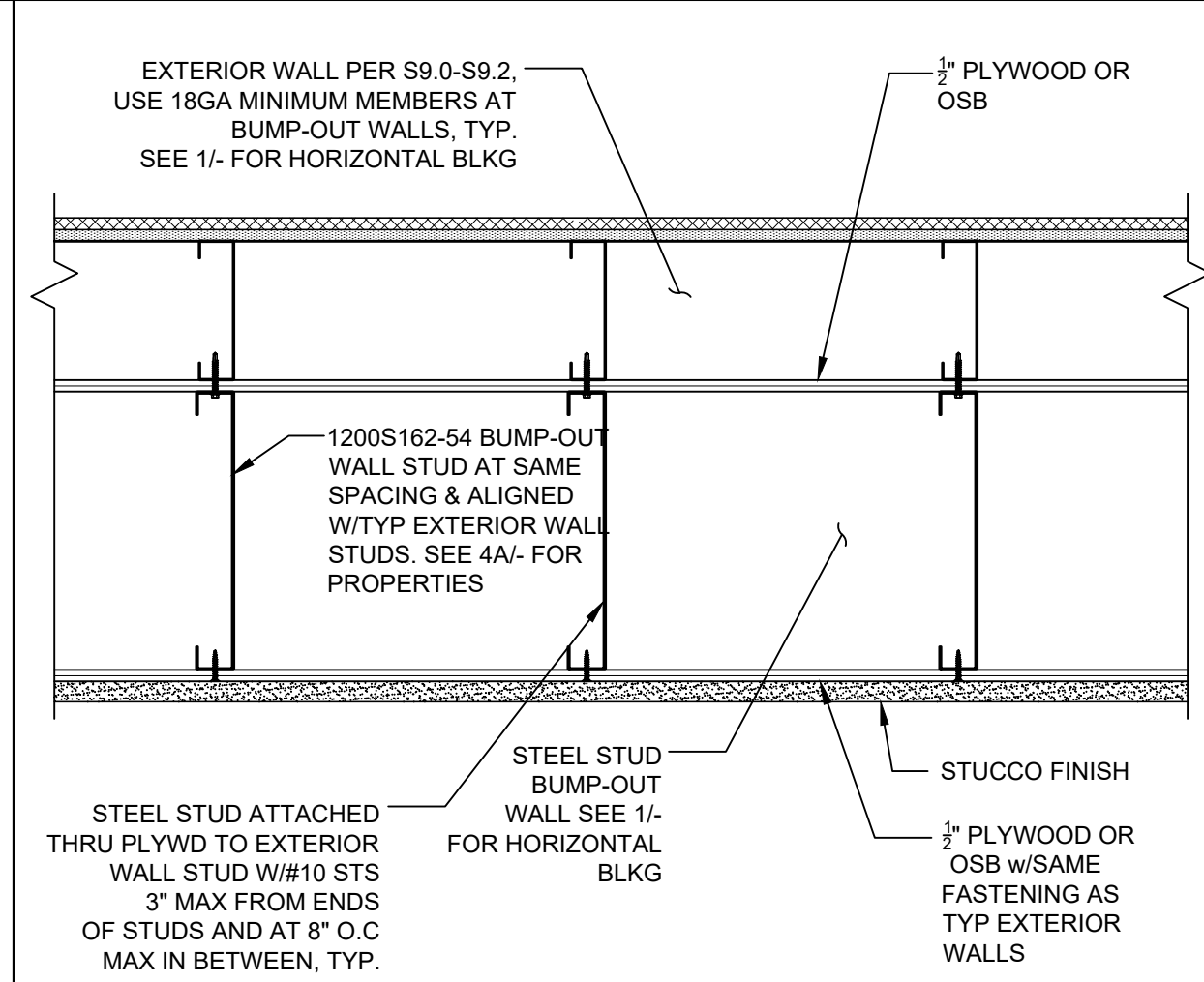
DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE:
WALL FRAMING DETAILS
SHEET NUMBER:
S9.2



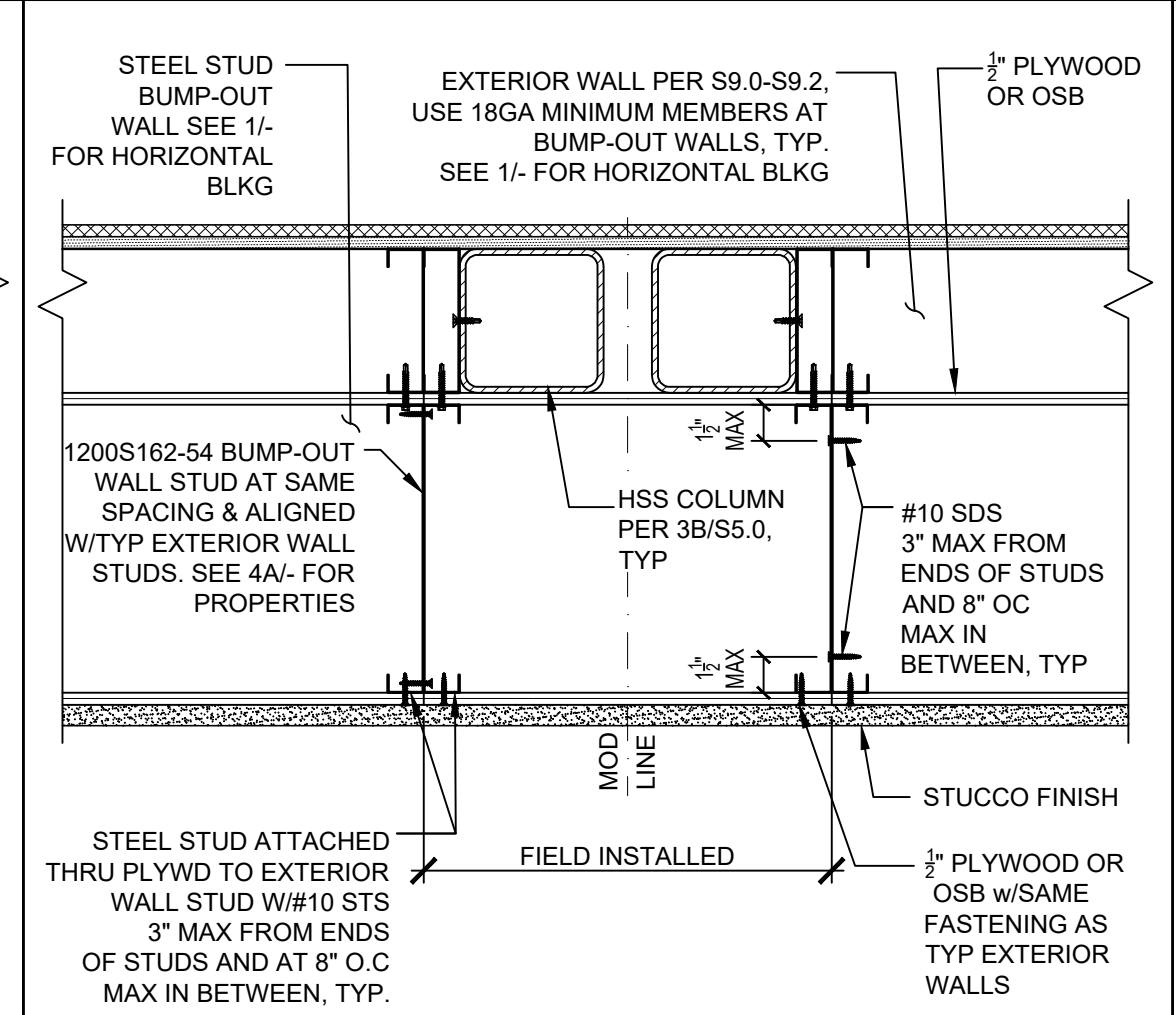
TYP. BUMPOUT WALL SECTION SCALE: 1-1/2" = 1'-0" 1 NOT USED



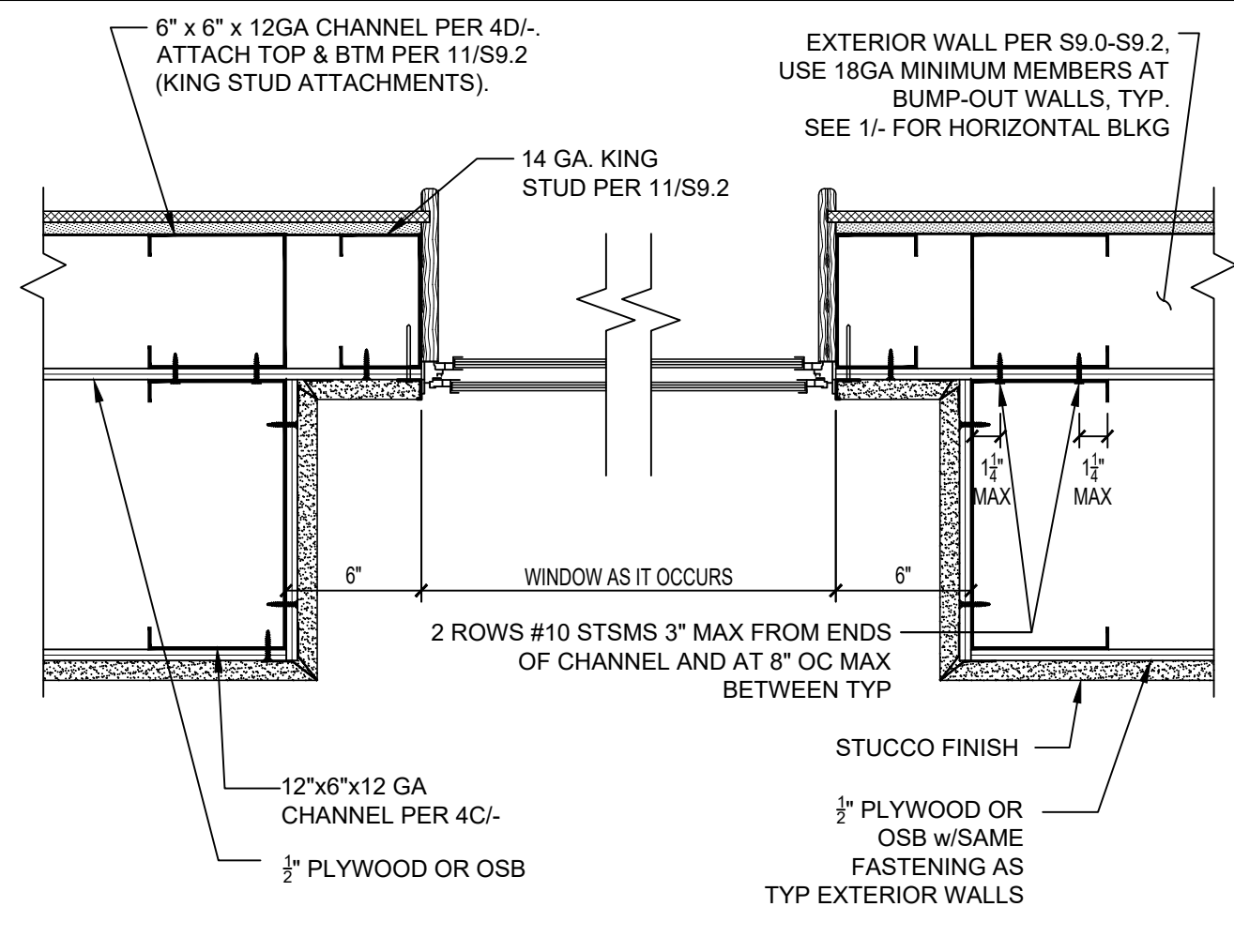
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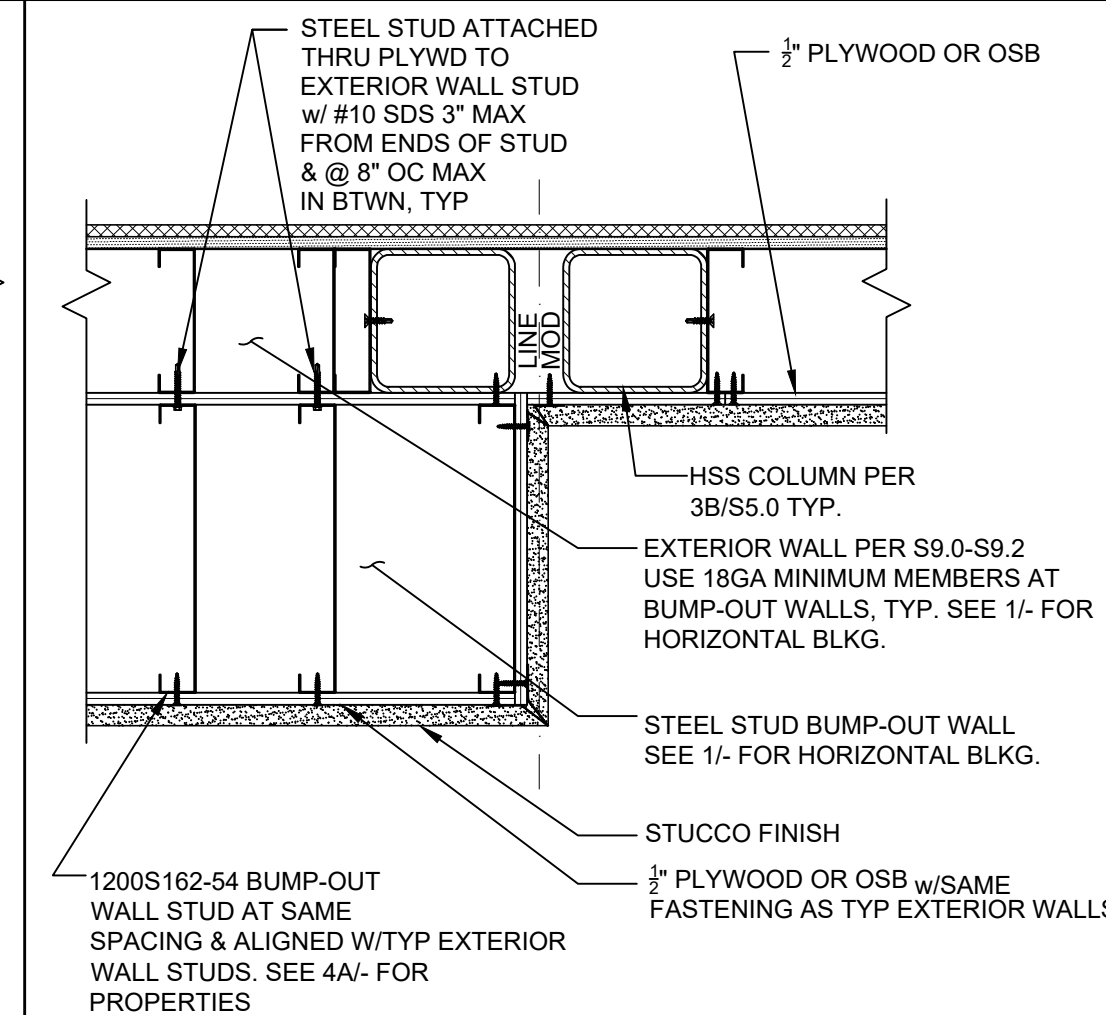
BUMP-OUT WALL SECTION SCALE: 1-1/2" = 1'-0" B



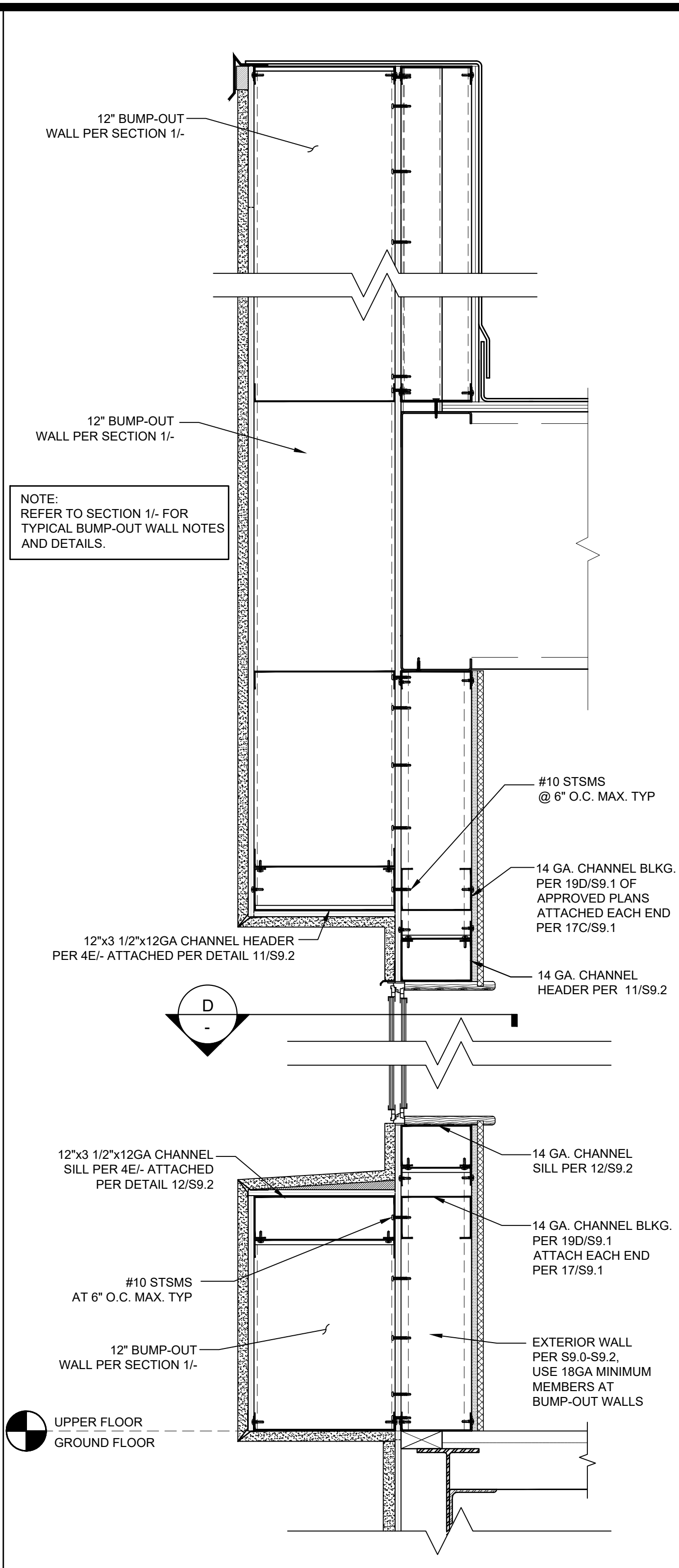
BUMP-OUT WALL SECTION SCALE: 1-1/2" = 1'-0" C



BUMP-OUT WALL SECTION SCALE: 1-1/2" = 1'-0" D



BUMP-OUT WALL SECTION SCALE: 1-1/2" = 1'-0" E



BUMPOUT WALL SECTION @ WINDOW SCALE: 1-1/2" = 1'-0" 3 NOT USED

Section	Member	Area (A)	Moment of Inertia (Ix)	Section Modulus (Sx)	Thickness (T)	Radius (R)	Fabrication
A	1200S162-54 STUD (12" x 16 GA)	0.896 IN ²	15.730 IN ⁴	2.622 IN ³	16 GA	0.0849"	FABRICATED FROM ASTM A653 GRADE 50.
B	1200T150-54 TRACK (12" x 16 GA)	0.848 IN ²	14.378 IN ⁴	2.357 IN ³	16 GA	0.0849"	FABRICATED FROM ASTM A653 GRADE 50.
C	12 GA CHANNEL (12" x 6" 12 GA)	2.517 IN ²	59.940 IN ⁴	9.989 IN ³	12 GA	0.0966 IN MIN. 0.1017 IN DESIGN	FABRICATED FROM ASTM A1011 GRADE 36.
D	12 GA CHANNEL (6" x 6" 12 GA)	1.906 IN ²	12.828 IN ⁴	4.276 IN ³	12 GA	0.0966 IN MIN. 0.1017 IN DESIGN	FABRICATED FROM ASTM A1011 GRADE 36.
E	12 GA CHANNEL (12" x 3 1/2" x 12 GA)	2.008 IN ²	41.938 IN ⁴	6.990 IN ³	12 GA	0.0966 IN MIN. 0.1017 IN DESIGN	FABRICATED FROM ASTM A1011 GRADE 36.

UNLESS NOTED OTHERWISE, ALL SECTION PROPERTIES ARE GROSS SECTION PROPERTIES

STEEL MEMBER PROPERTIES 4

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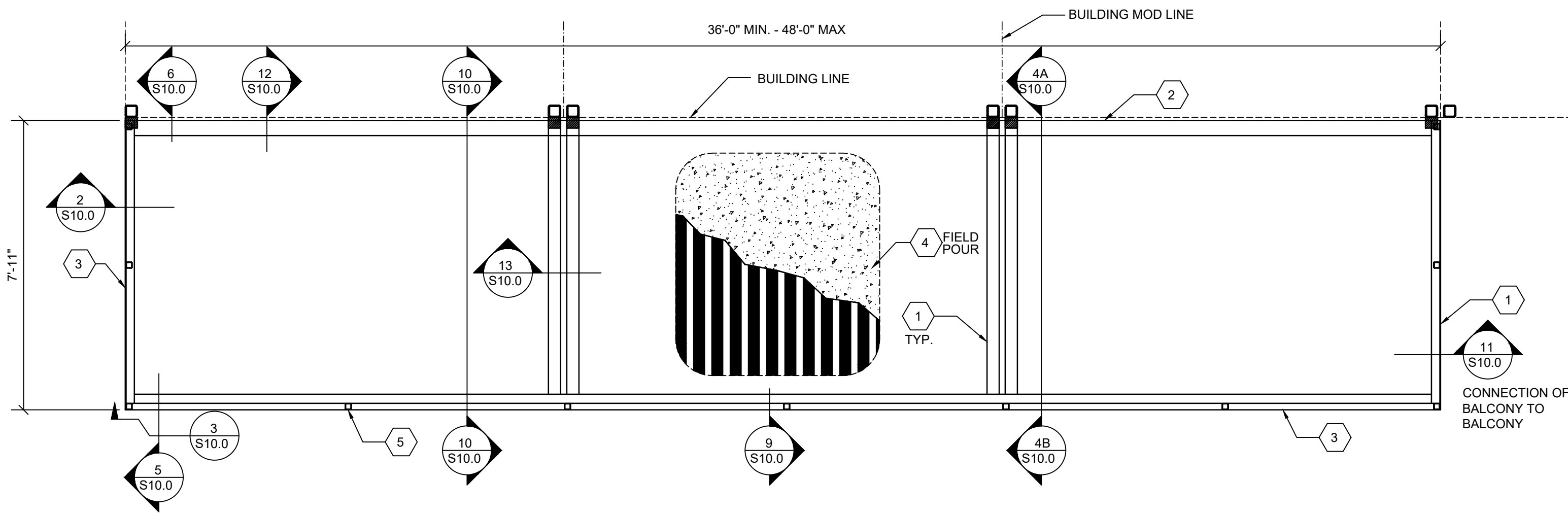
SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

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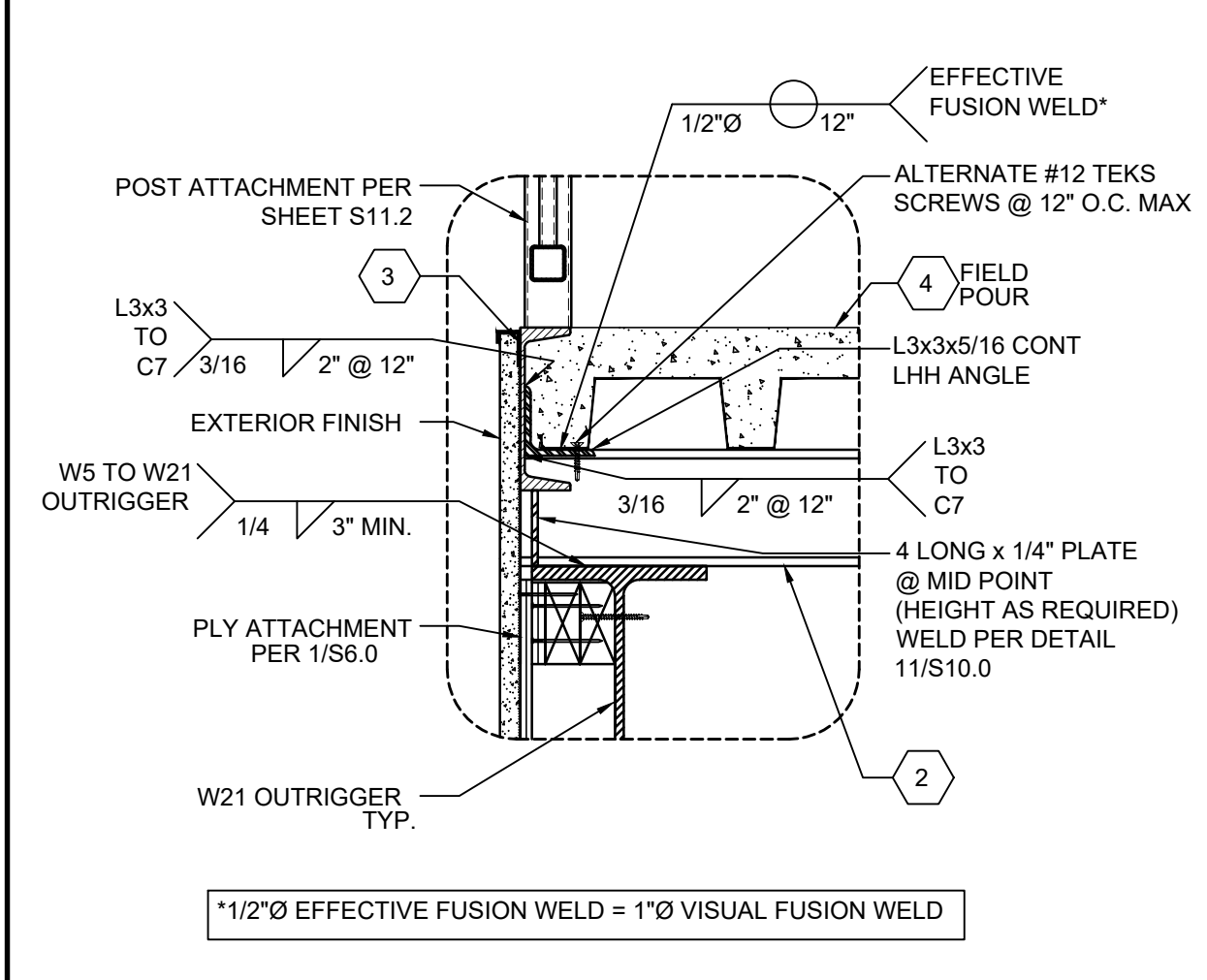
REVISIONS

DRAWN BY: AH
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DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE:
BUMP-OUT WALL DETAILS
SHEET NUMBER:
S9.3



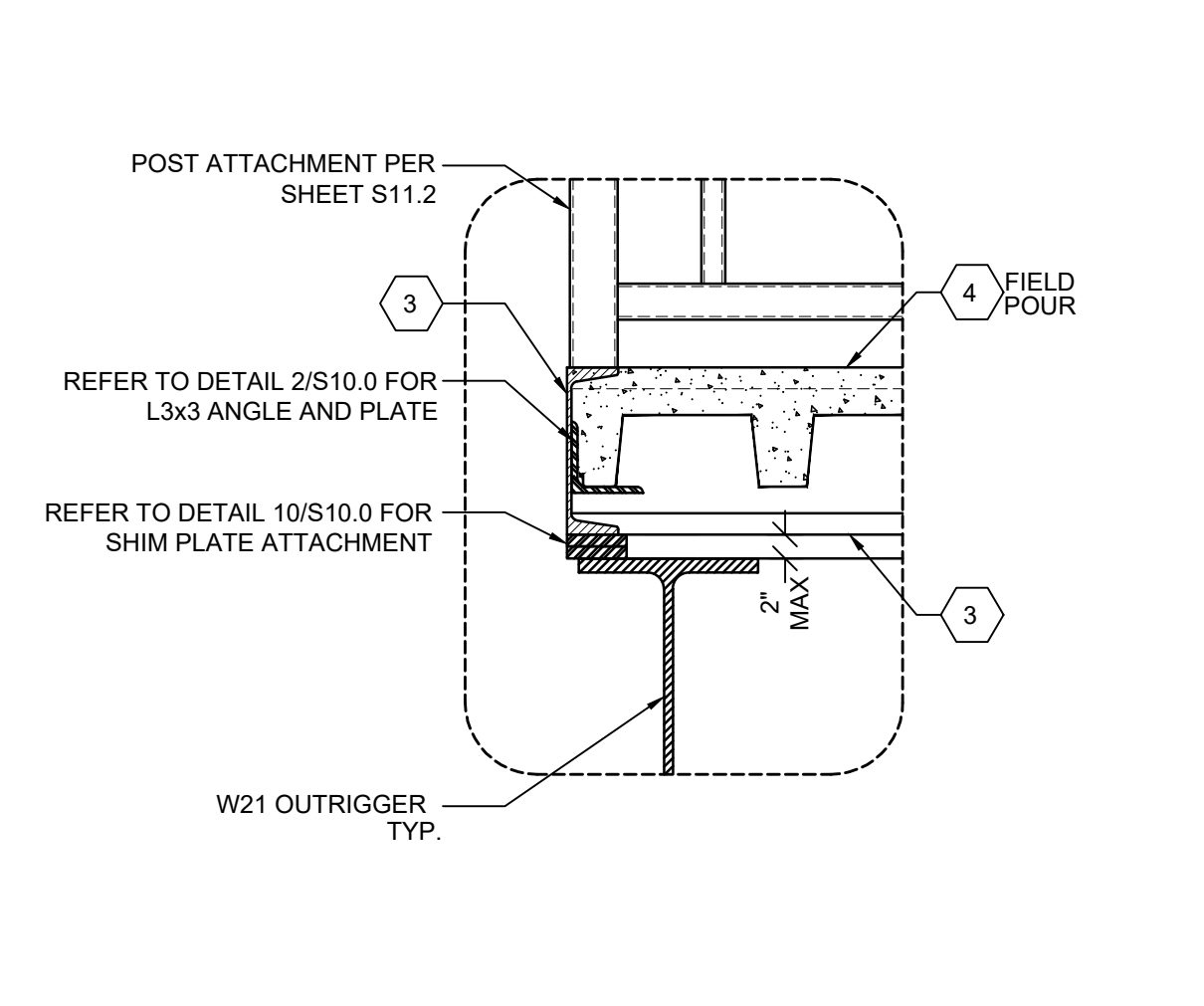
BALCONY FLOOR PLAN

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



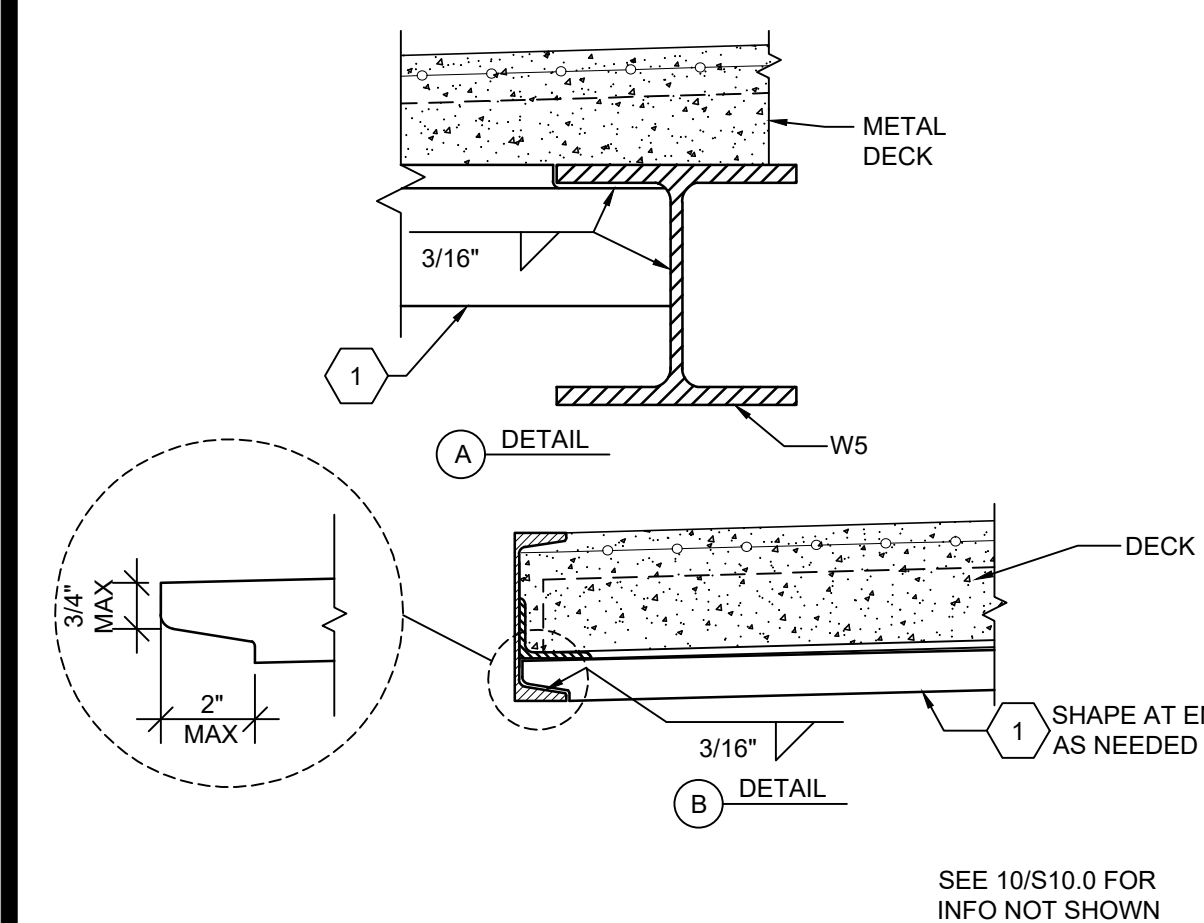
BALCONY CONNECTION @ ENDS

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



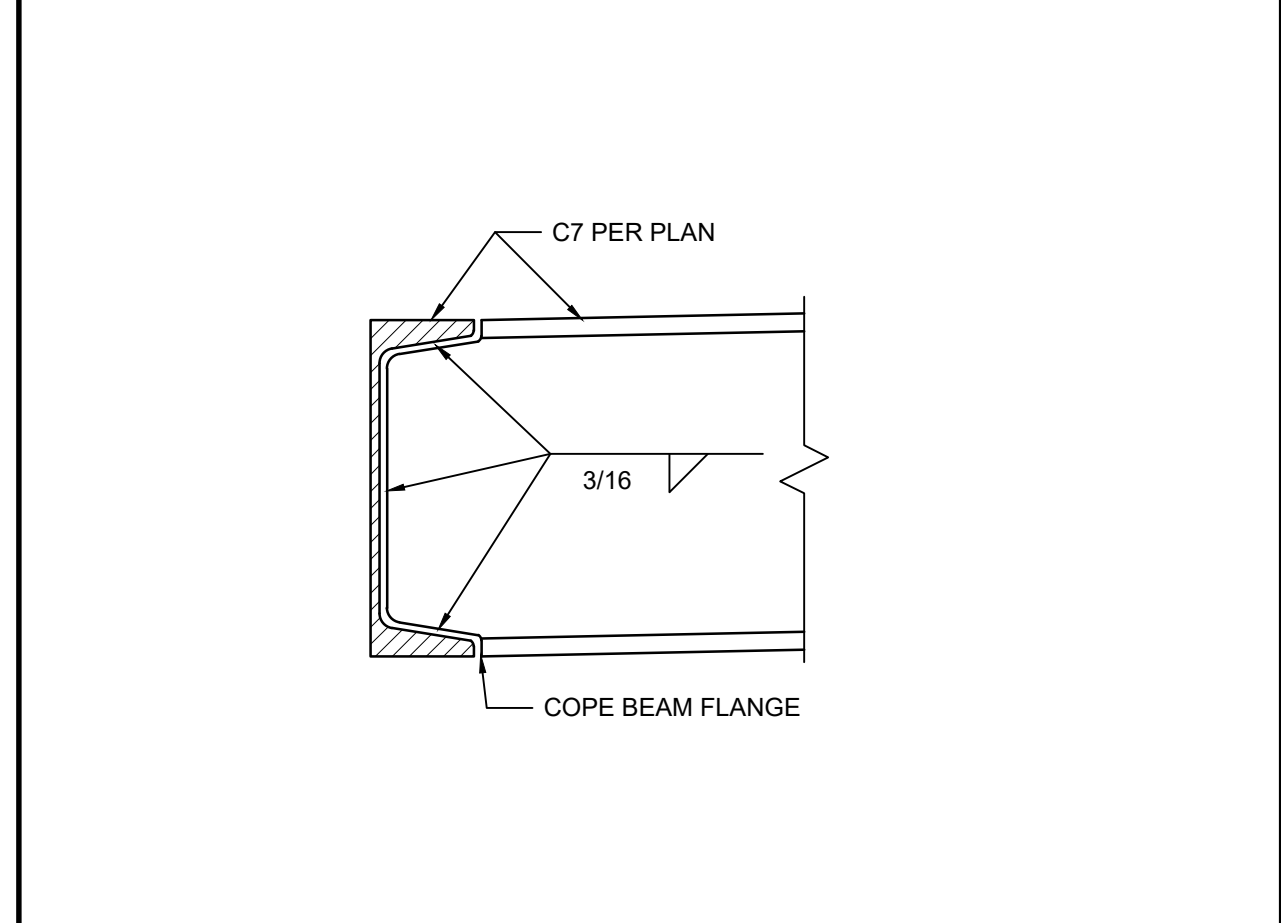
BALCONY CONNECTION @ END

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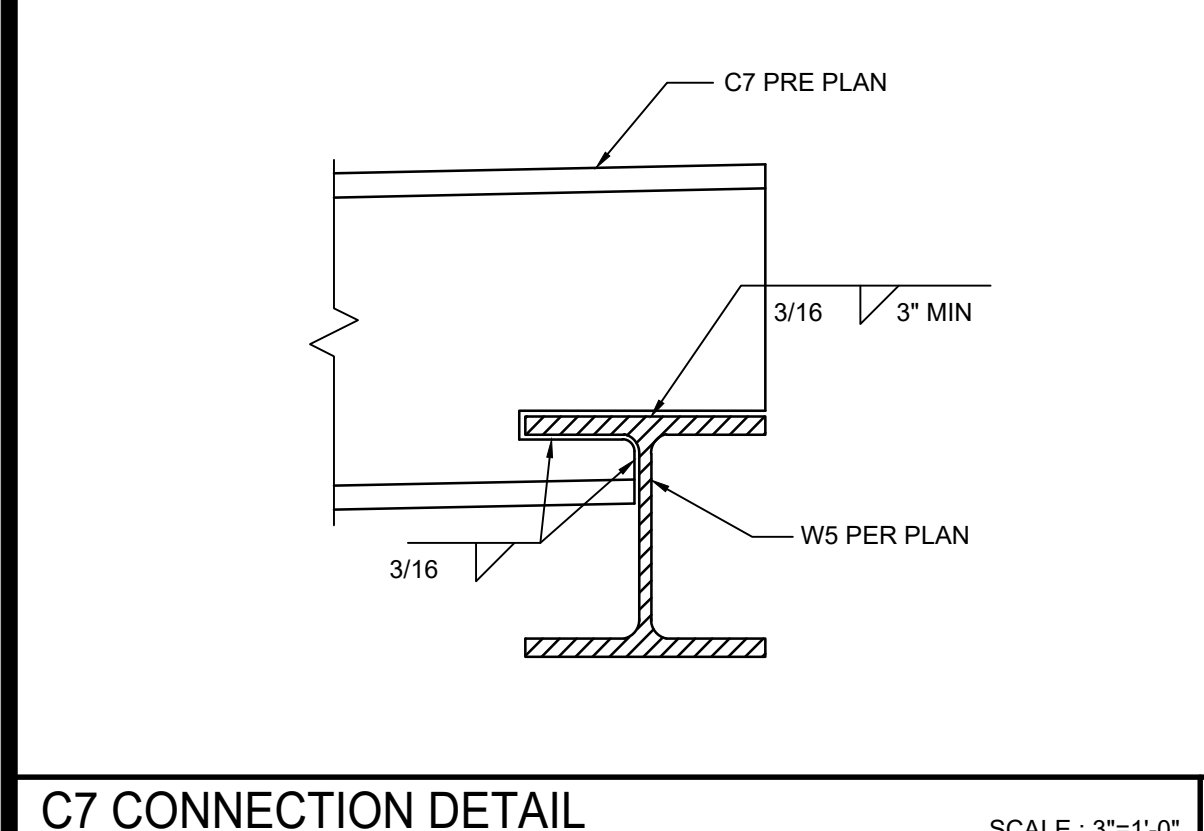
SECTION

SCALE: 3"=1'-0"



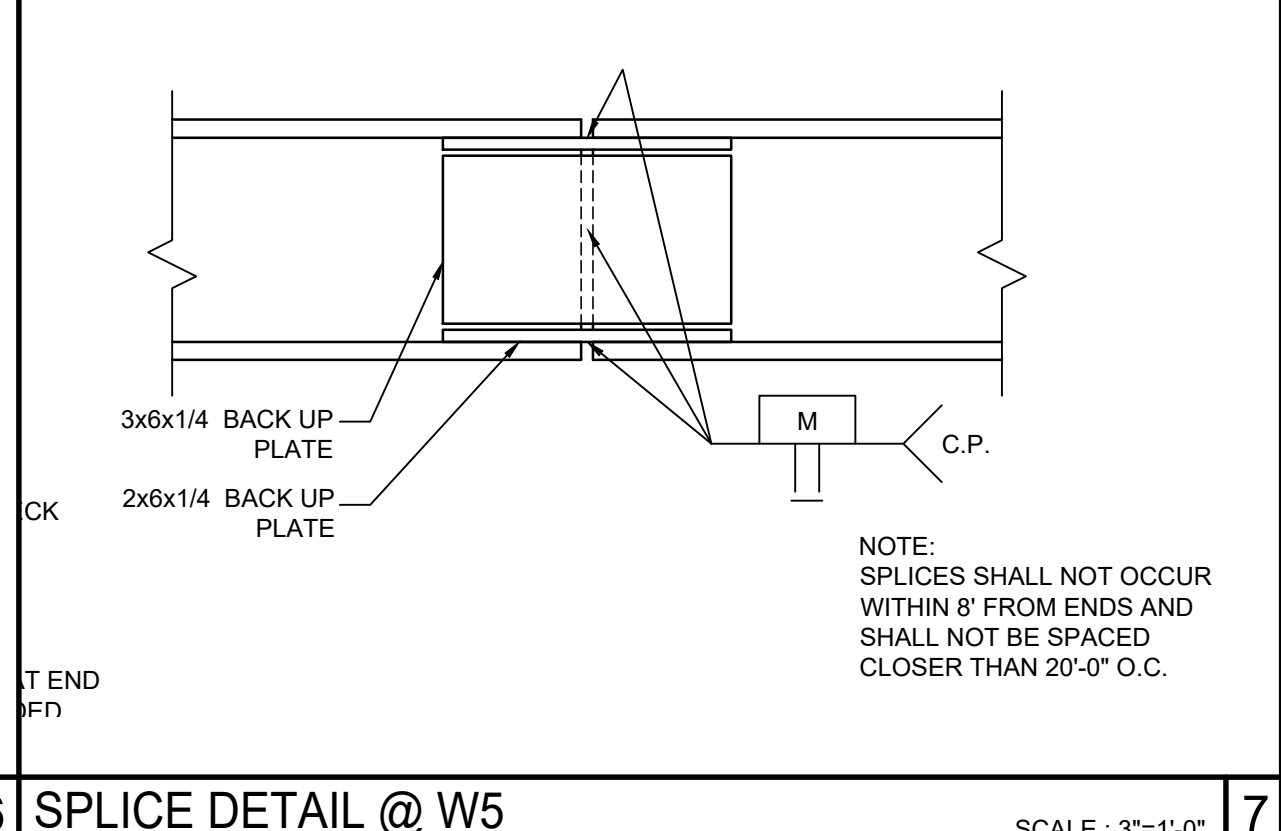
C7 CONNECTION DETAIL

SCALE: 3"=1'-0"



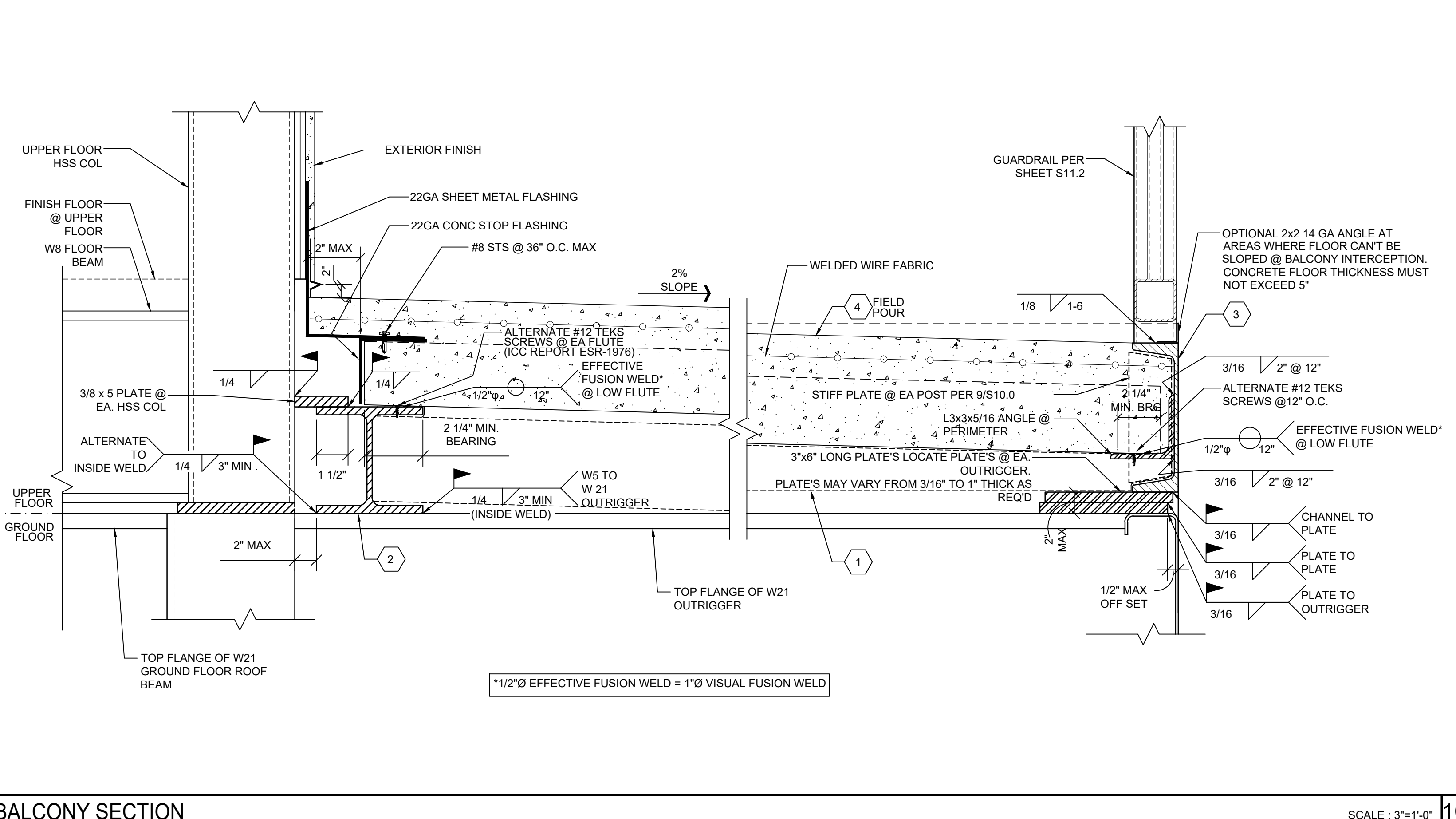
C7 CONNECTION DETAIL

SCALE: 3"=1'-0"



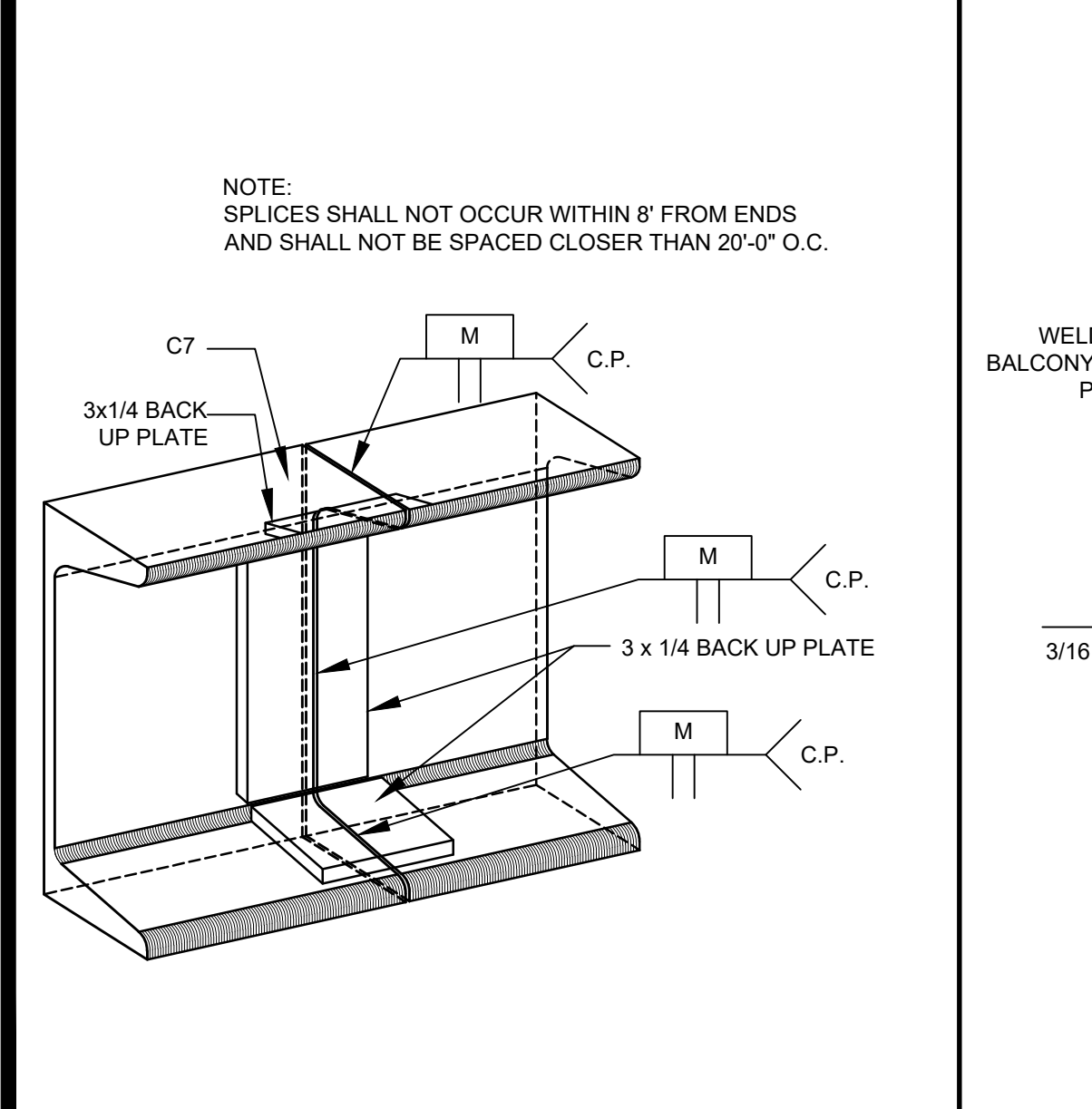
SPLICE DETAIL @ W5

SCALE: 3"=1'-0"



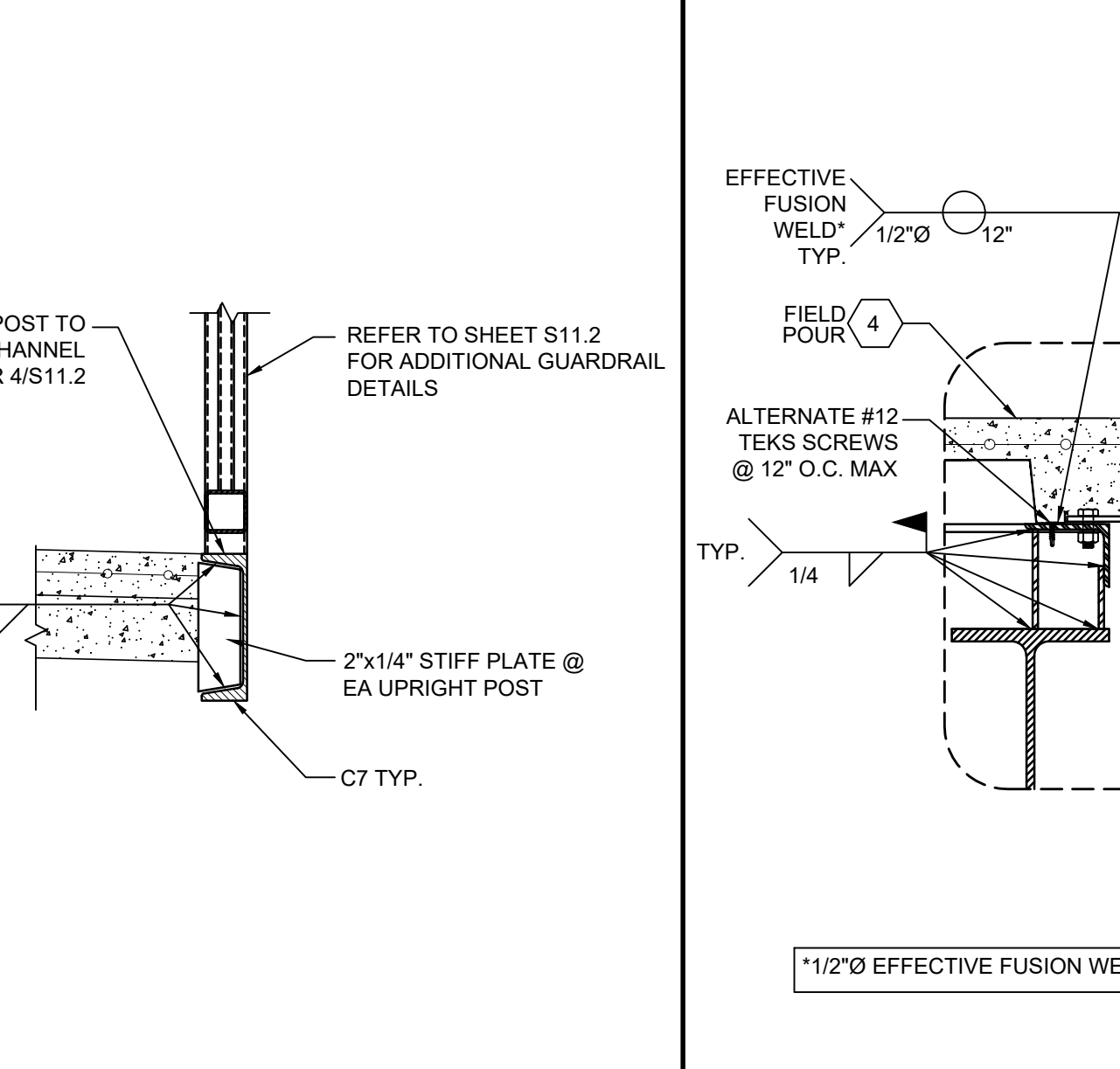
BALCONY SECTION

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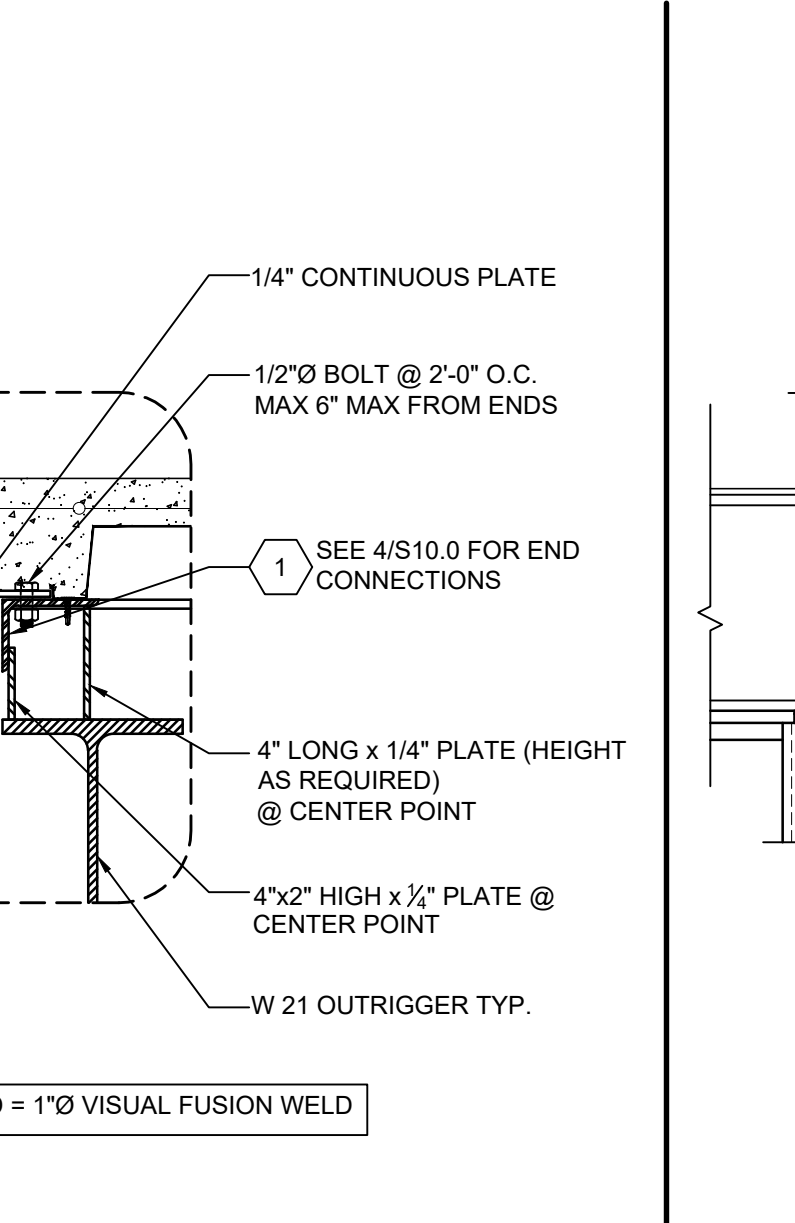
SPLICE DETAIL @ C7

SCALE: 3"=1'-0"



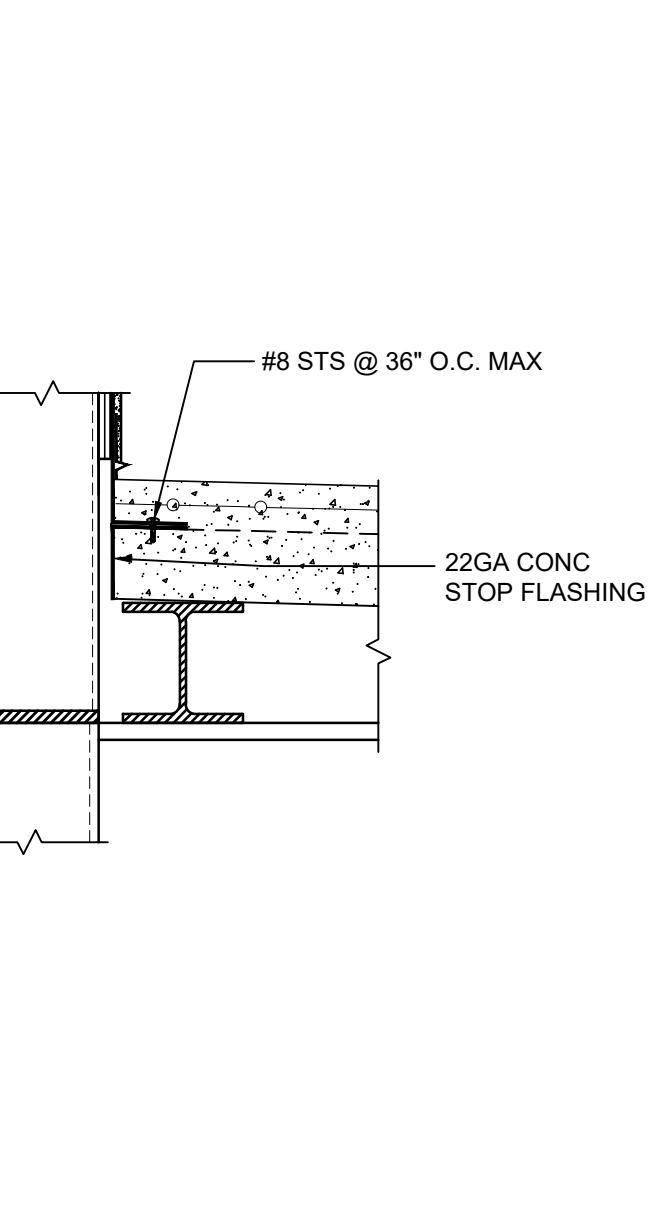
GUARDRAIL TO C7 CHANNEL

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



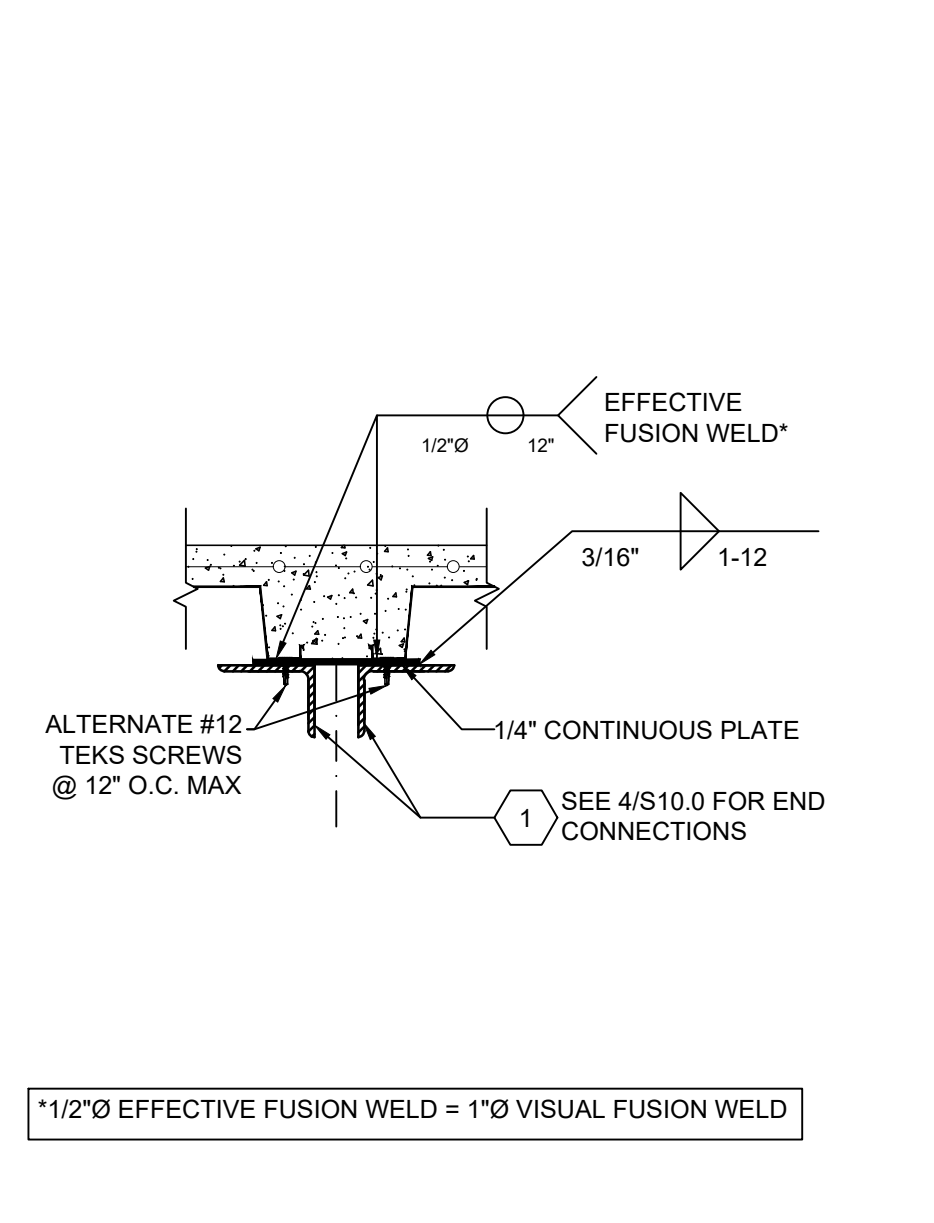
BALCONY TO BALCONY CONNECTION

SCALE: 3"=1'-0"



FLASHING DETAIL

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



FLASHING DETAIL

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

- KEY NOTES
- 1 4x3x5/16 LLH CONT. ANGLE
 - 2 W5x16 BEAM
 - 3 C7x9.8 (50 KSI) ALTERNATE C8x11.5 (36 KSI MIN.)
 - 4 2" LIGHT WEIGHT CONC. FILL w/ MED. BROOM FINISH w/6x6/W1.4 x W1.4 WWF w/1'-0" LAP OVER ASC 18 GA. 3WH OR 3WH DECK (5" TOTAL THICKNESS). SEE 4/S2.1 FOR METAL DECK PROPERTIES & ATTACHMENTS. ALTERNATE: 3 1/2" LIGHT WEIGHT CONC. FILL w/ MED. BROOM FINISH w/6x6/W1.4xW1.4 WWF w/1'-0" LAP OVER ASC 18 GA BH DECK (5" TOTAL THICKNESS). SEE 9/S11.2 FOR METAL DECK PROPERTIES & ATTACHMENTS.
 - 5 2x2 RAILING POST @ 6'-0" O.C. MAX. REFER TO SHEET S11.2 FOR RAILING PATTERN AND DETAILS (OMIT POST @ END OF ADDITIONAL BALCONY FLOOR IF IT OCCURS)

SPLICE DETAIL @ C7

SCALE: 3"=1'-0"

GUARDRAIL TO C7 CHANNEL

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

BALCONY TO BALCONY CONNECTION

SCALE: 3"=1'-0"

FLASHING DETAIL

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

FLASHING DETAIL

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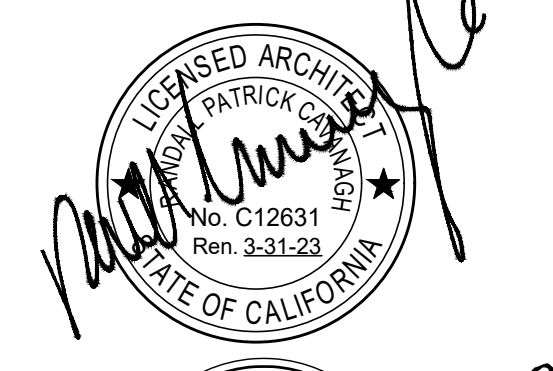
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09/20/2021
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DRAWN BY: AH
SCALE: AS NOTED
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PROJECT NO: 1614-20
SHEET TITLE:
BALCONY FLOOR PLAN AND DETAILS

SHEET NUMBER:
S10.0

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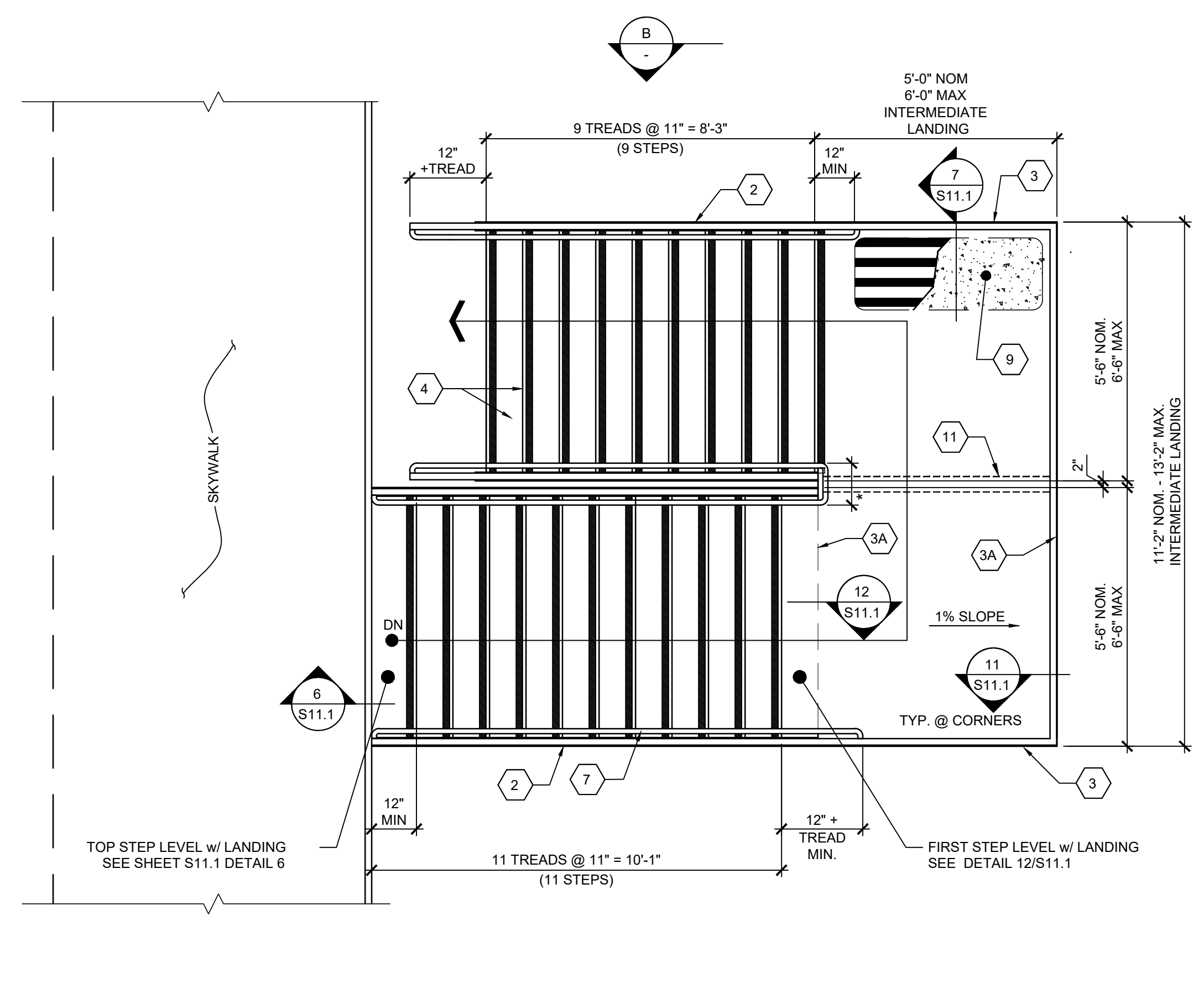
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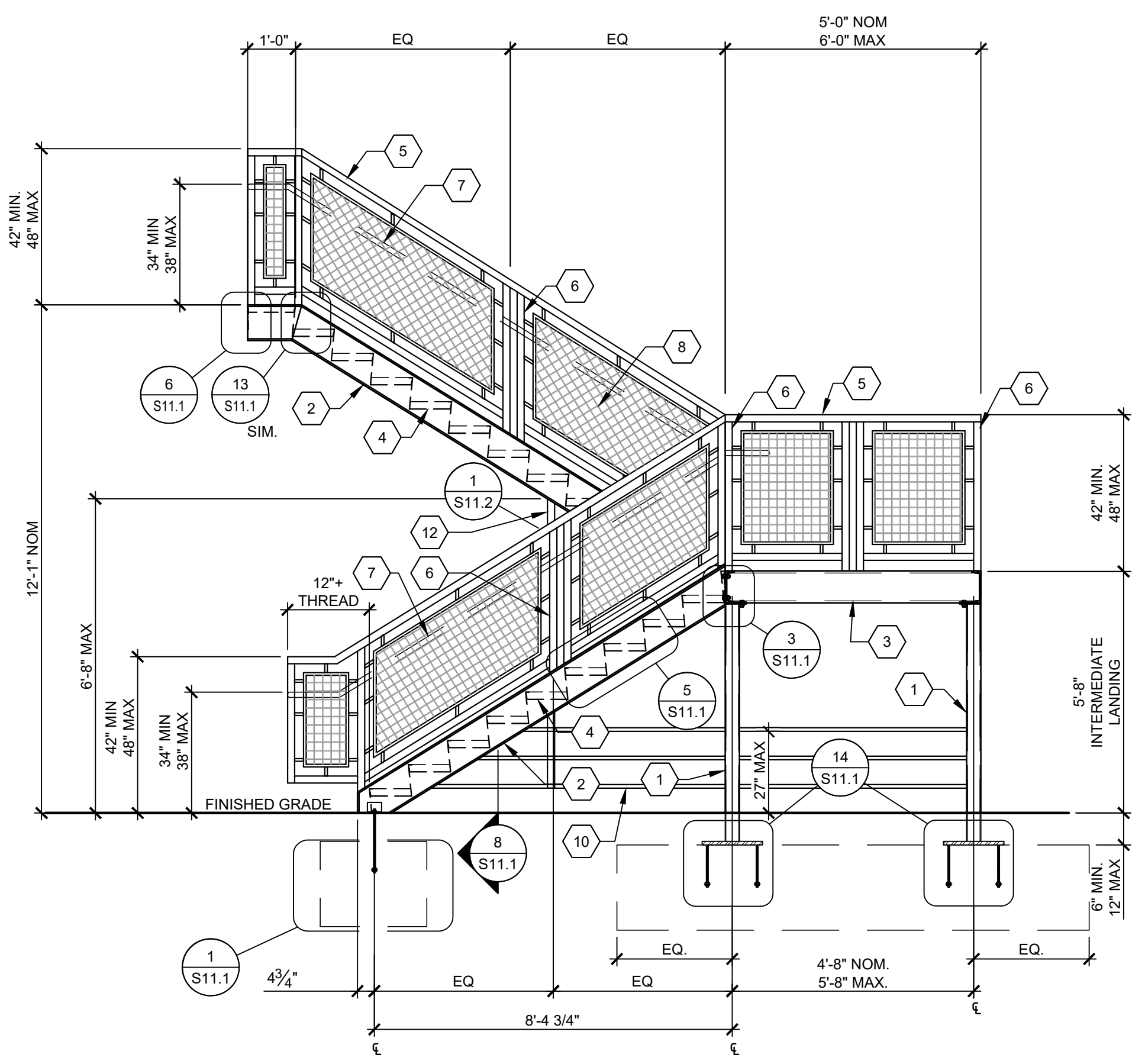
SHEET TITLE:
 STAIR PLAN
 AND ELEVATION

SHEET NUMBER:
 S11.0

- 1 HSS 5x5x5/16 COLUMN
- 2 C10x15.3 (36 KSI MIN.) STRINGER
- 3 C7x9.8 (36 KSI.) LANDING PERIMETER SHORT BEAM ALTERNATE C9x15 (36 KSI MIN.)
- 3A C7x9.8 (50 KSI) LANDING PERIMETER LONG BEAM w/ MAXIMUM 11'-2" LONG SPAN
 C9x13.4 (36 KSI MIN.) LANDING PERIMETER LONG BEAM w/ MAXIMUM 13'-2" LONG SPAN
- 4 10 GA TREAD & RISER
- 5 2x3x14 GA @ TOP & BOTTOM GUARDRAIL
- 6 2X2 POST REFER TO SHEET S11.2 FOR RAILING DETAILS
- 7 1 1/2"Ø HANDRAIL - SEE DETAILS 2&5/S11.2
- 8 METAL MESH PER 3/S11.2
- 9 2" LIGHTWEIGHT CONCRETE FILL OVER METAL DECK PER 7/S11.1 w/MED. BROOM FINISH
- 10 1" SQ. 14 GA CANE DETECTABLE RAILING- 27" MAX AFG PER DETAIL 8/S11.1
- 11 L4x3x5/8 LLH CENTERED UNDER BOTTOM DECK FLUTE CLOSEST TO THE CENTERLINE OF THE LOWER LANDING. ATTACH DECK TO ANGLE w/ 1/2"Ø EFFECTIVE PUDDLE WELDS* OR #12 TEK SCREWS @ 12" O.C. MAX. CONNECT TO PERIMETER CHANNEL EACH END w/ 1/4"x2 1/2" OR 5/16"x2" FILLET WELD FROM VERTICAL LEG TO CHANNEL NOTCH AS NECESSARY.
 *1/2"Ø EFFECTIVE FUSION WELD = 1"Ø VISUAL FUSION WELD
- 12 CANE DETECTABLE RAILING WHERE VERTICAL CLEARANCE IS LESS THAN 80" (PER C.B.C. SECTION 11B-307.4)



*NOTE: SLOPE HANDRAIL TO MAINTAIN HEIGHT.



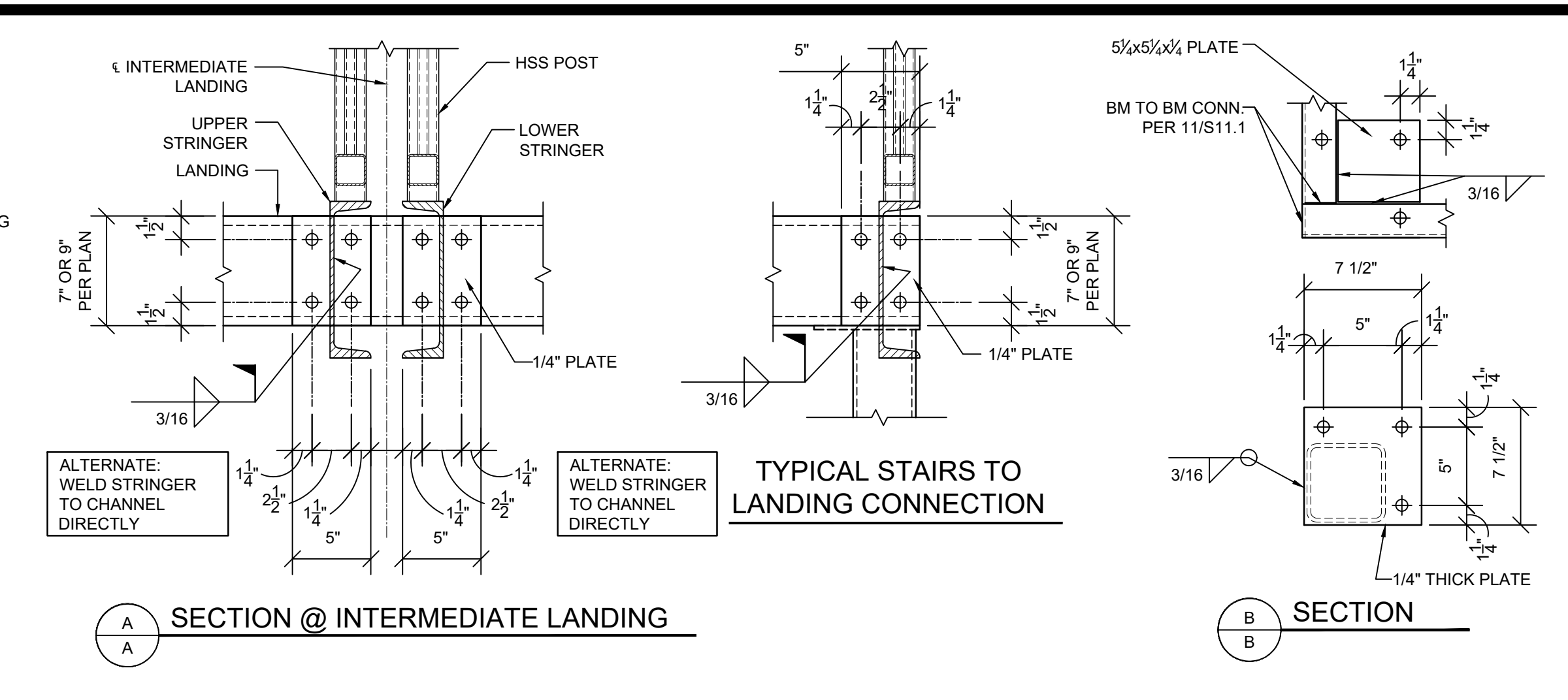
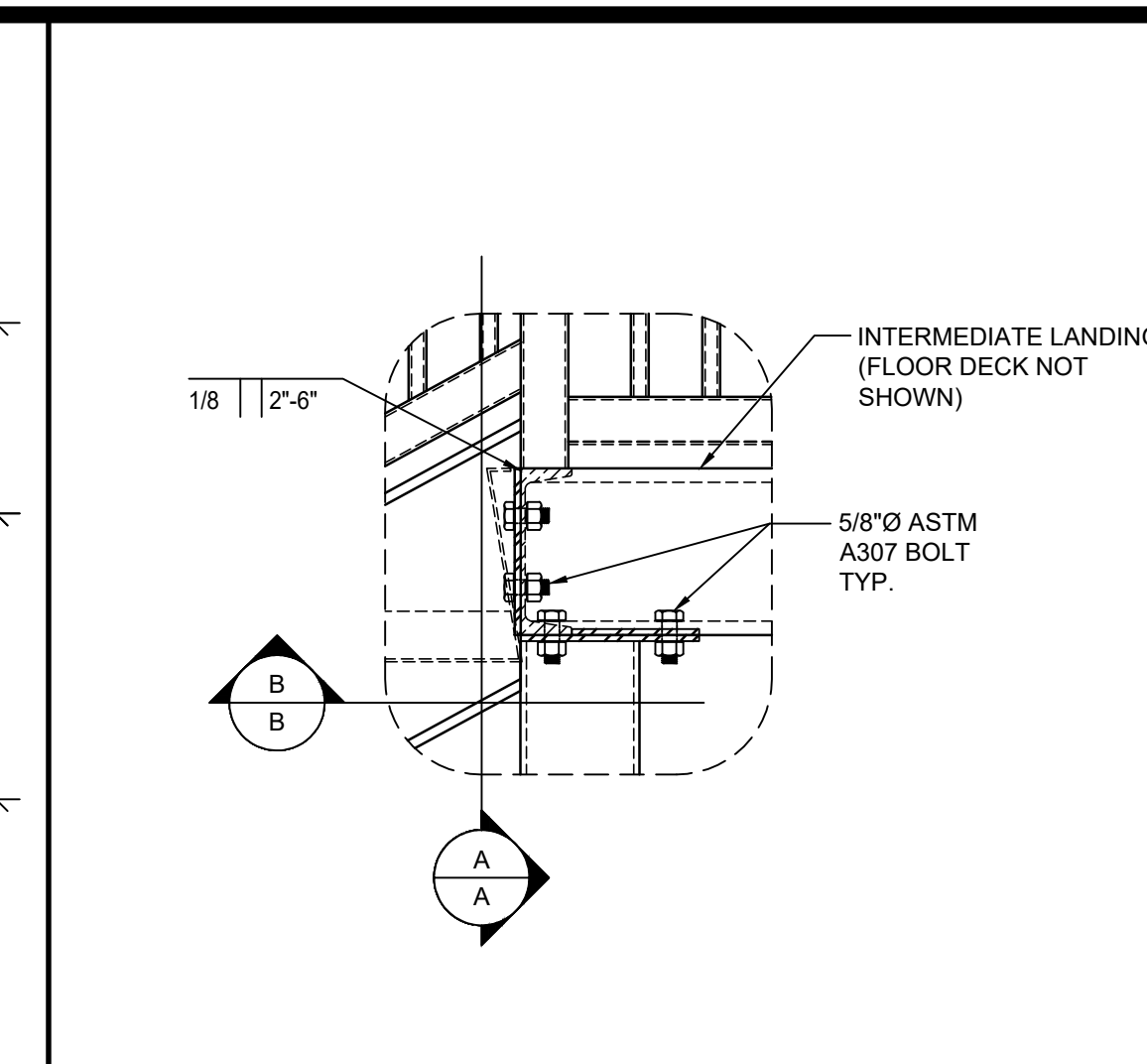
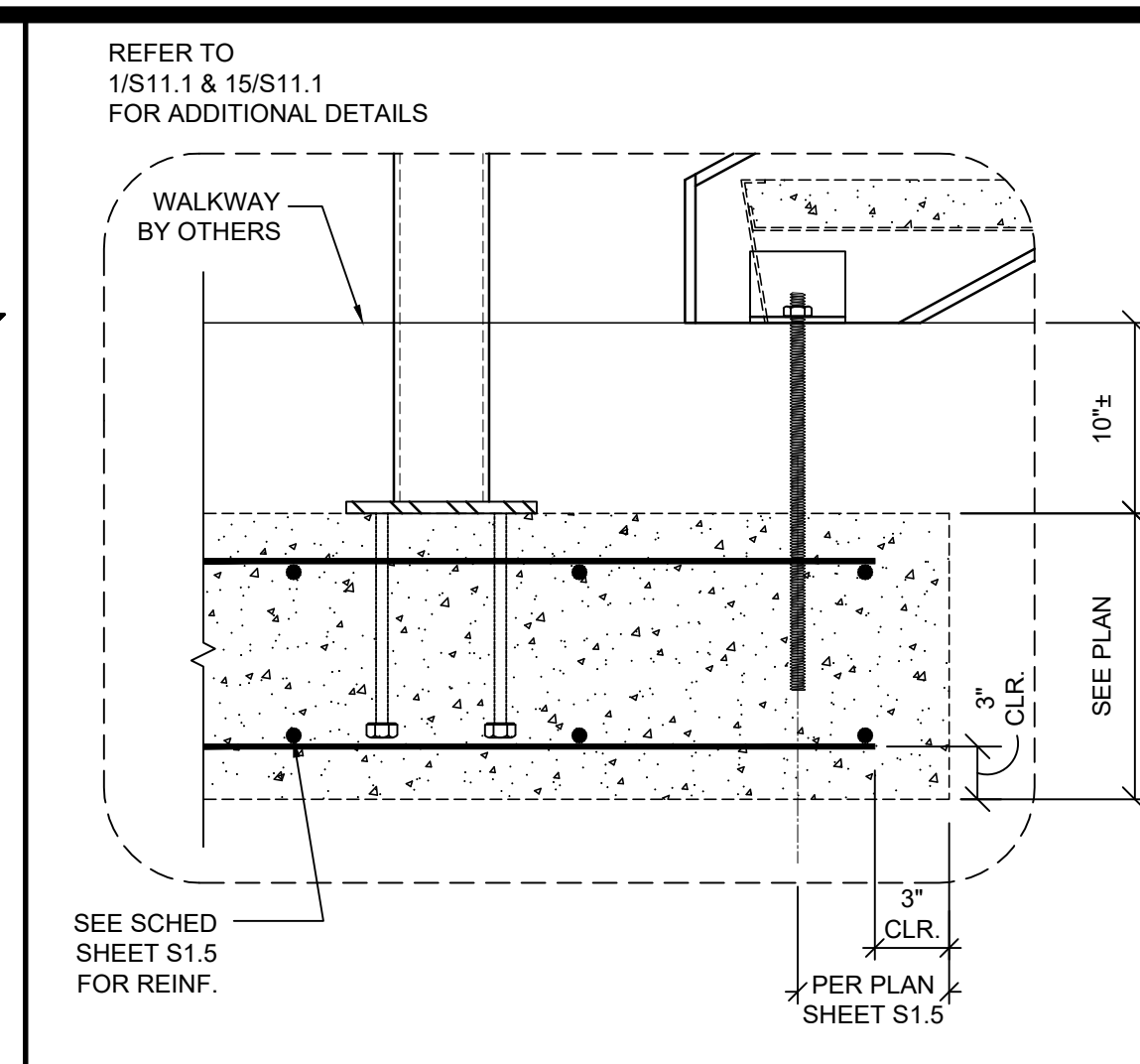
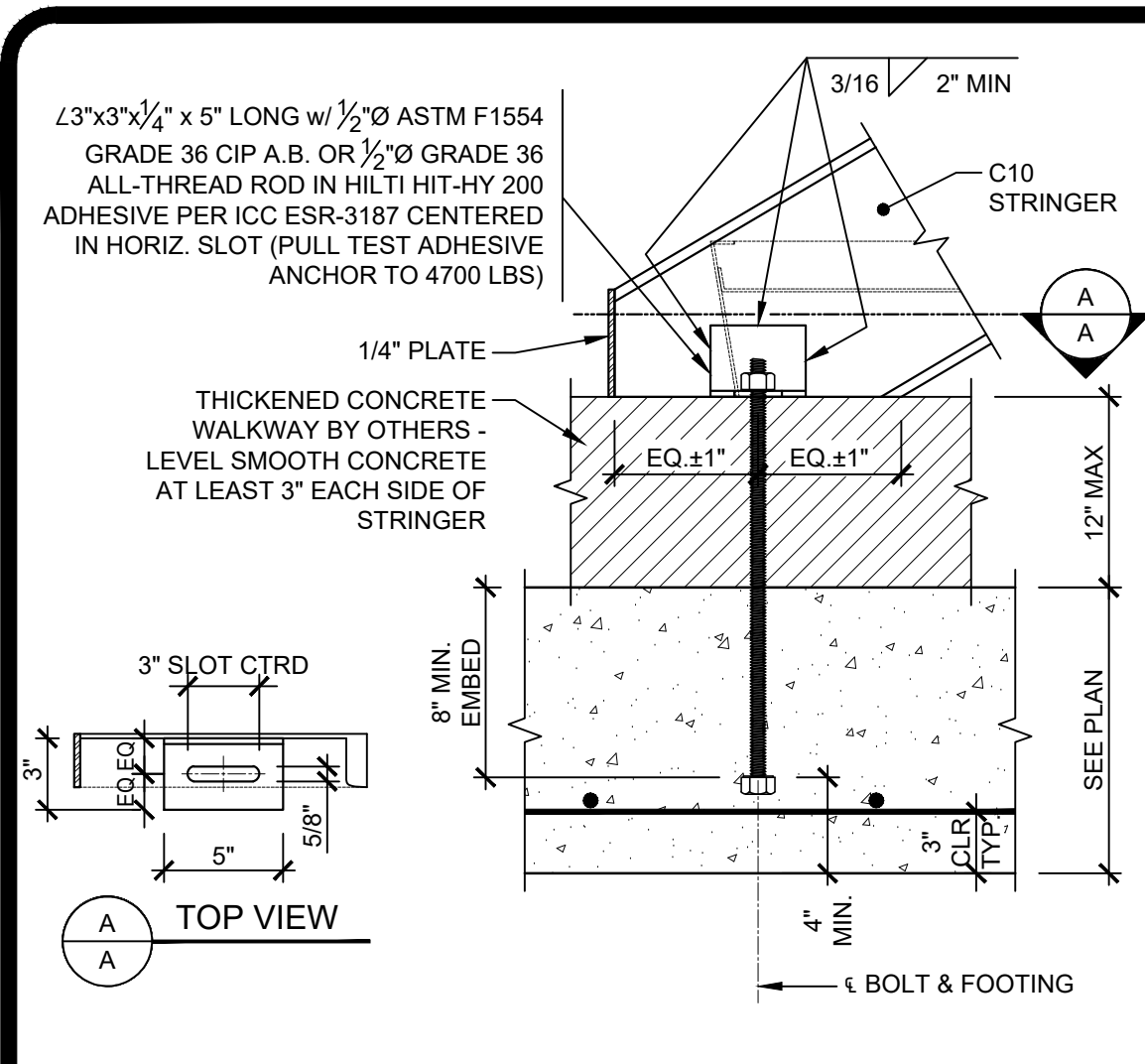
SCALE: 1 1/2"=1'-0"

STAIR PLAN

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

A STAIR ELEVATION

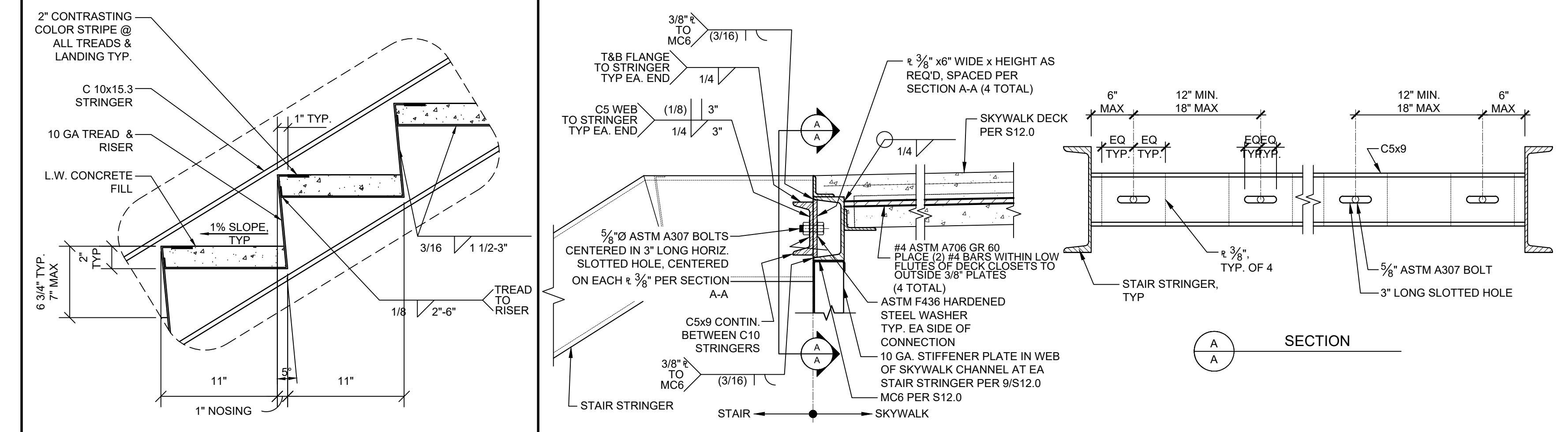
KEY NOTES



STAIR CONN @ FOOTING SCALE: 1 1/2"=1'-0" 1

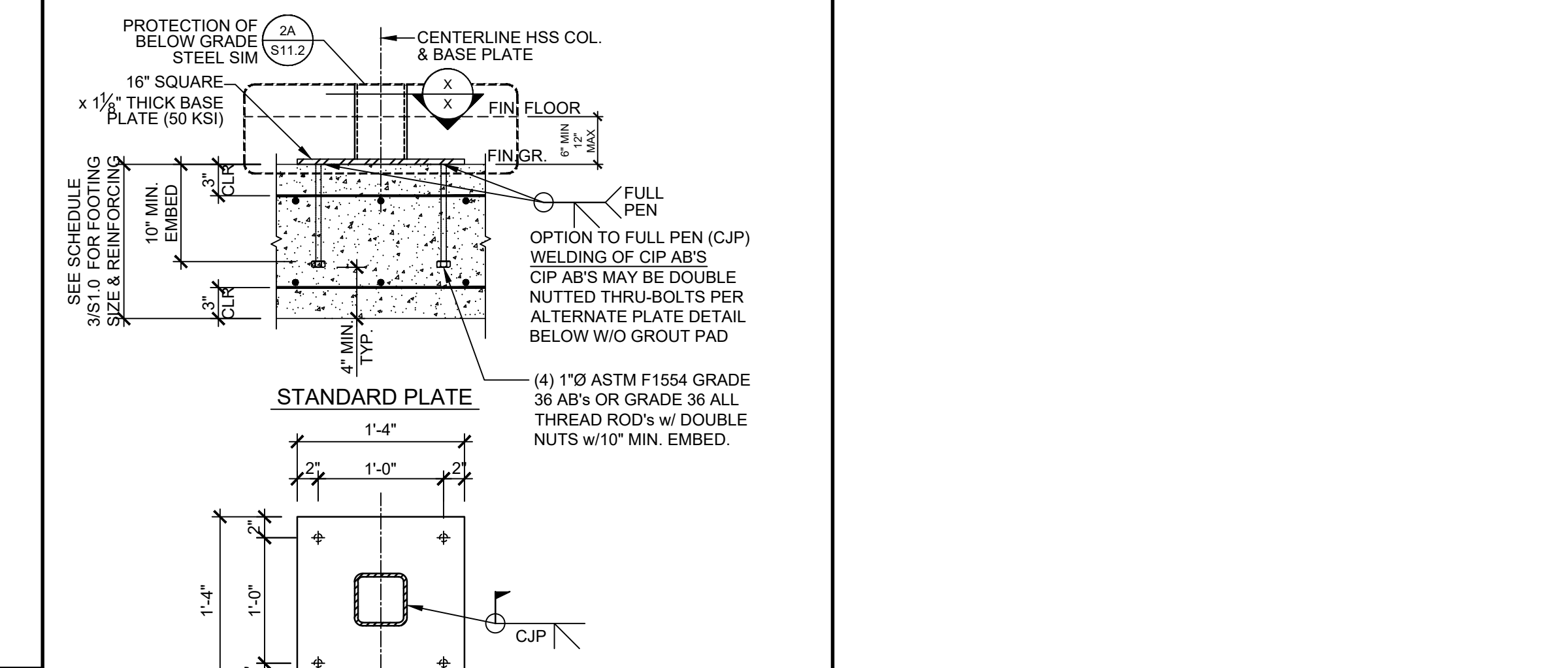
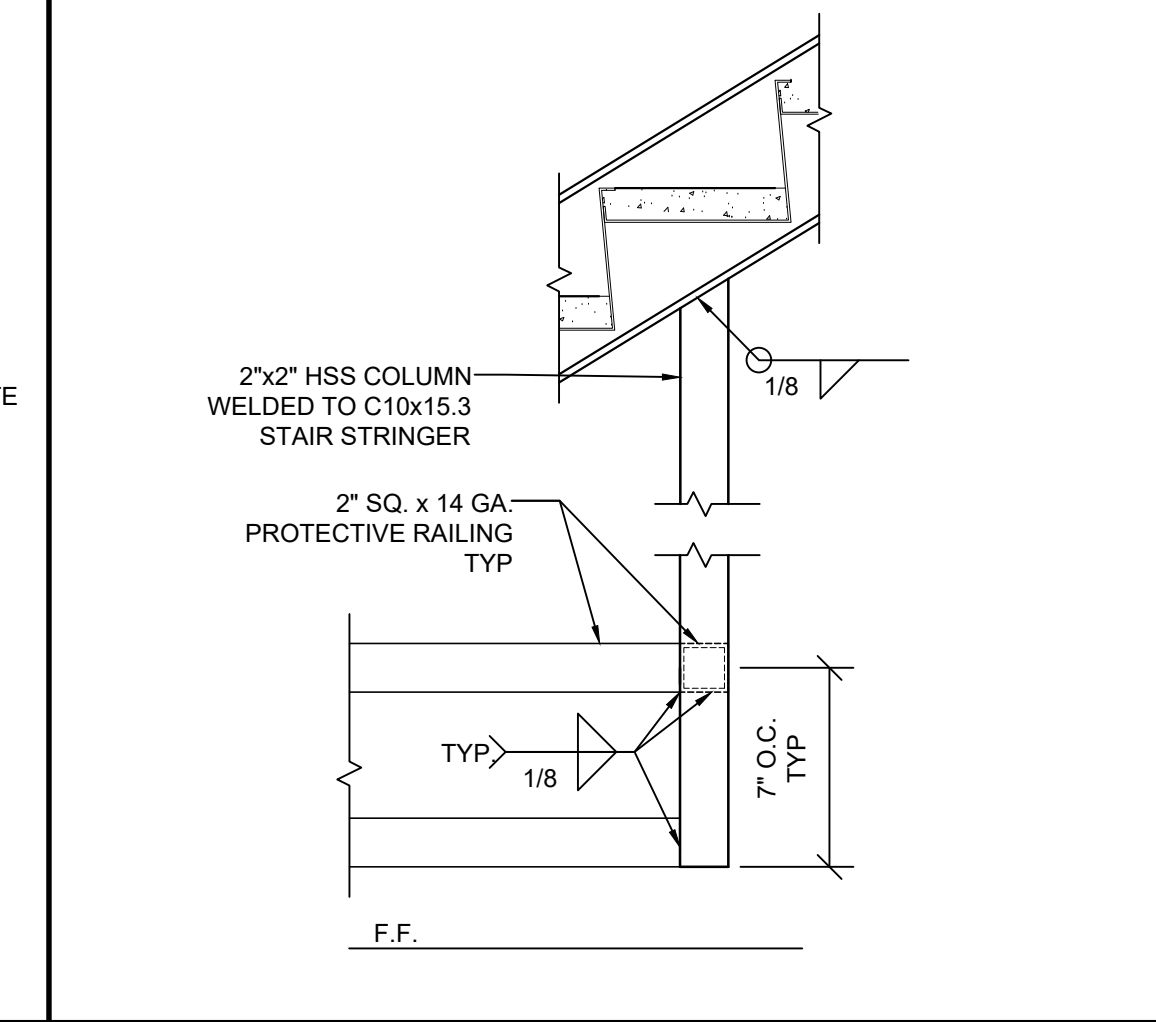
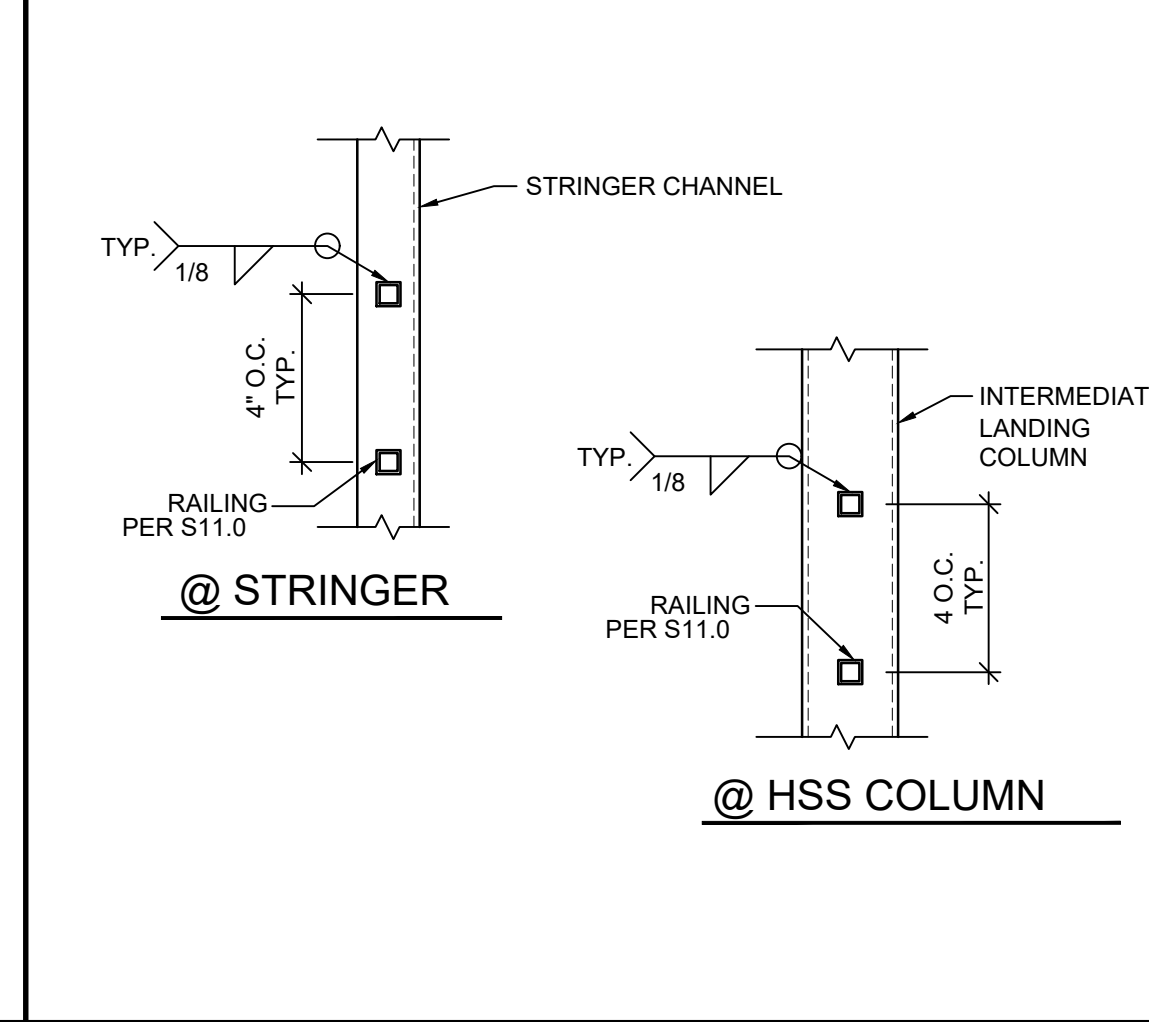
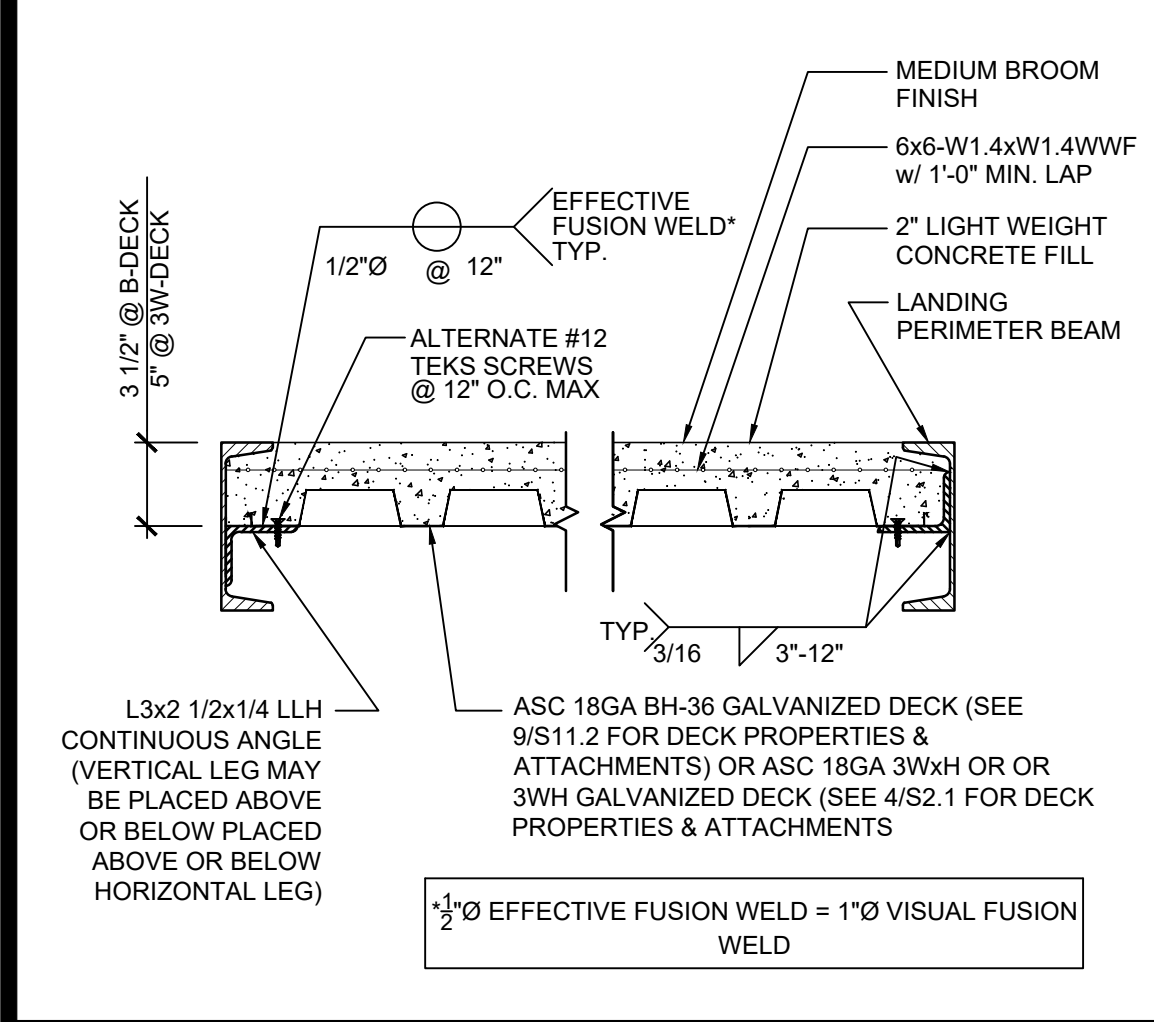
COMBINED FOOTING PAD CONDITION SCALE: 1 1/2"=1'-0" 2

STAIR & COLUMN CONNECTIONS @ INTERMEDIATE LANDINGS SCALE: 1 1/2"=1'-0" 3



NOT USED 4

TREAD & RISER TYPICAL SECTION SCALE: 1 1/2"=1'-0" 5 CONNECTION STAIRS TO SKYWALK SCALE: 1 1/2"=1'-0" 6

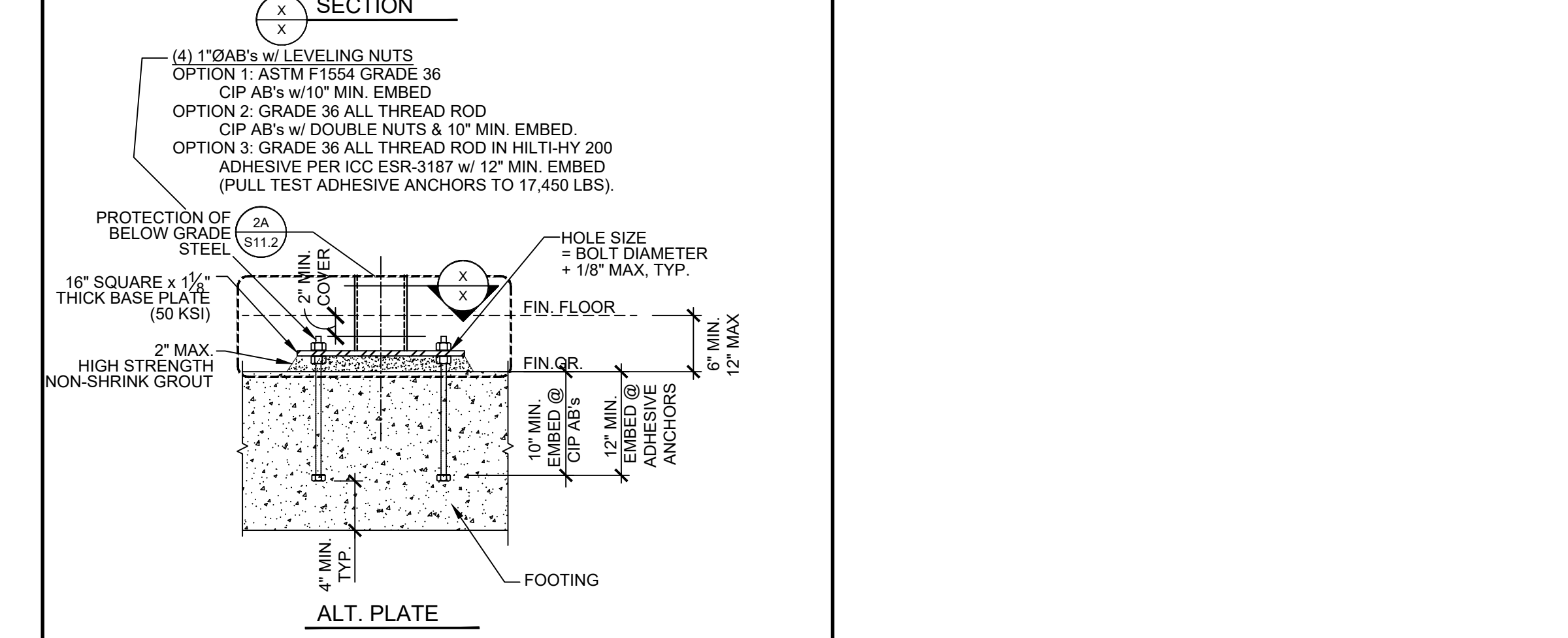
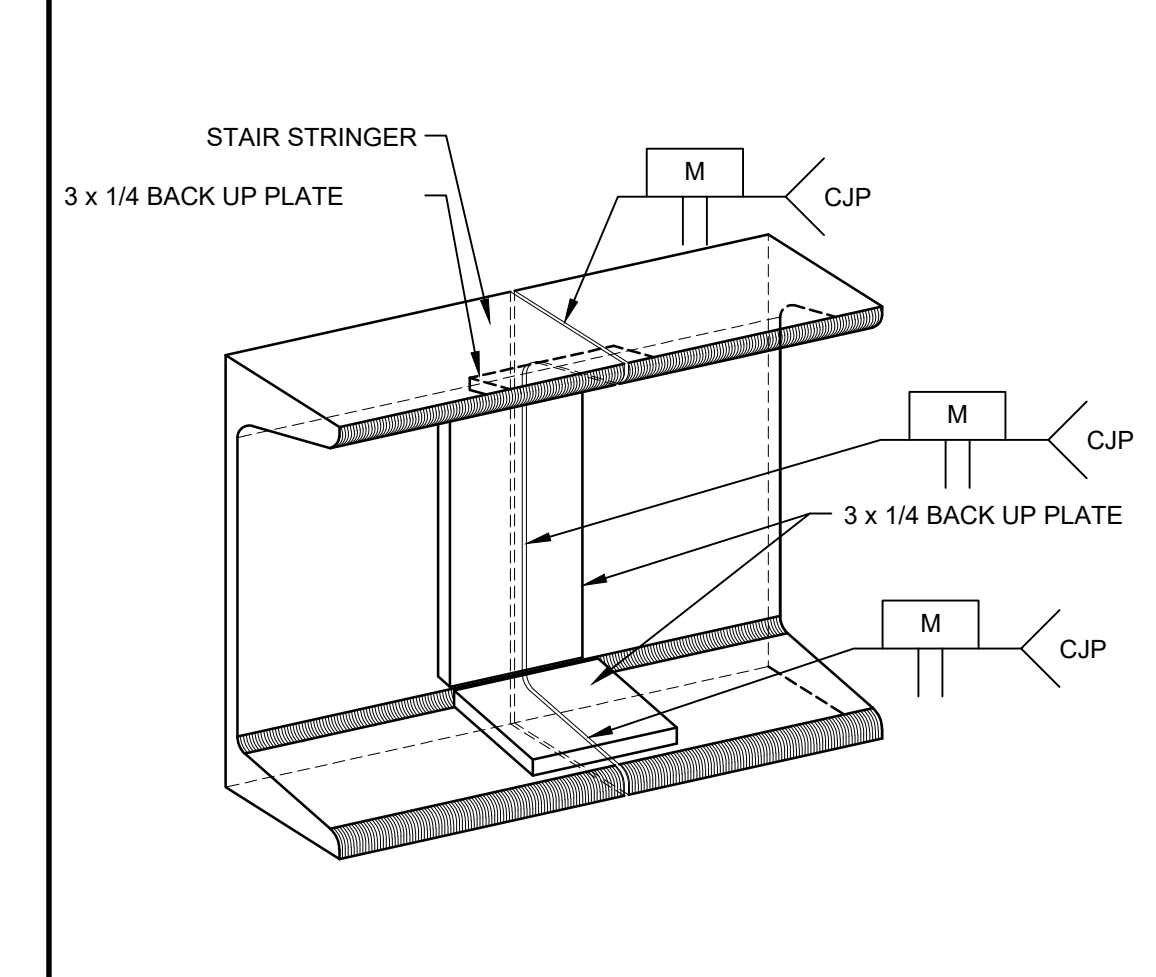
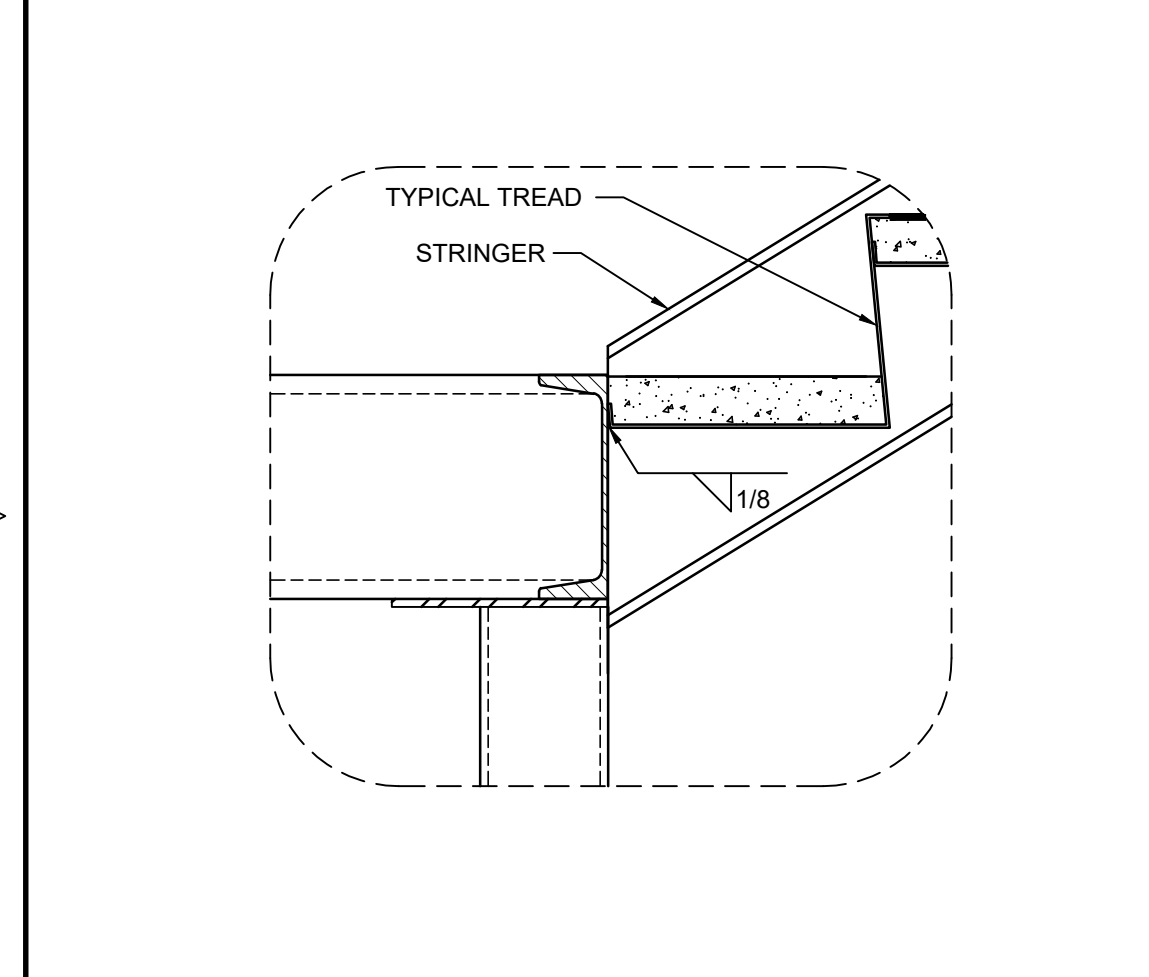
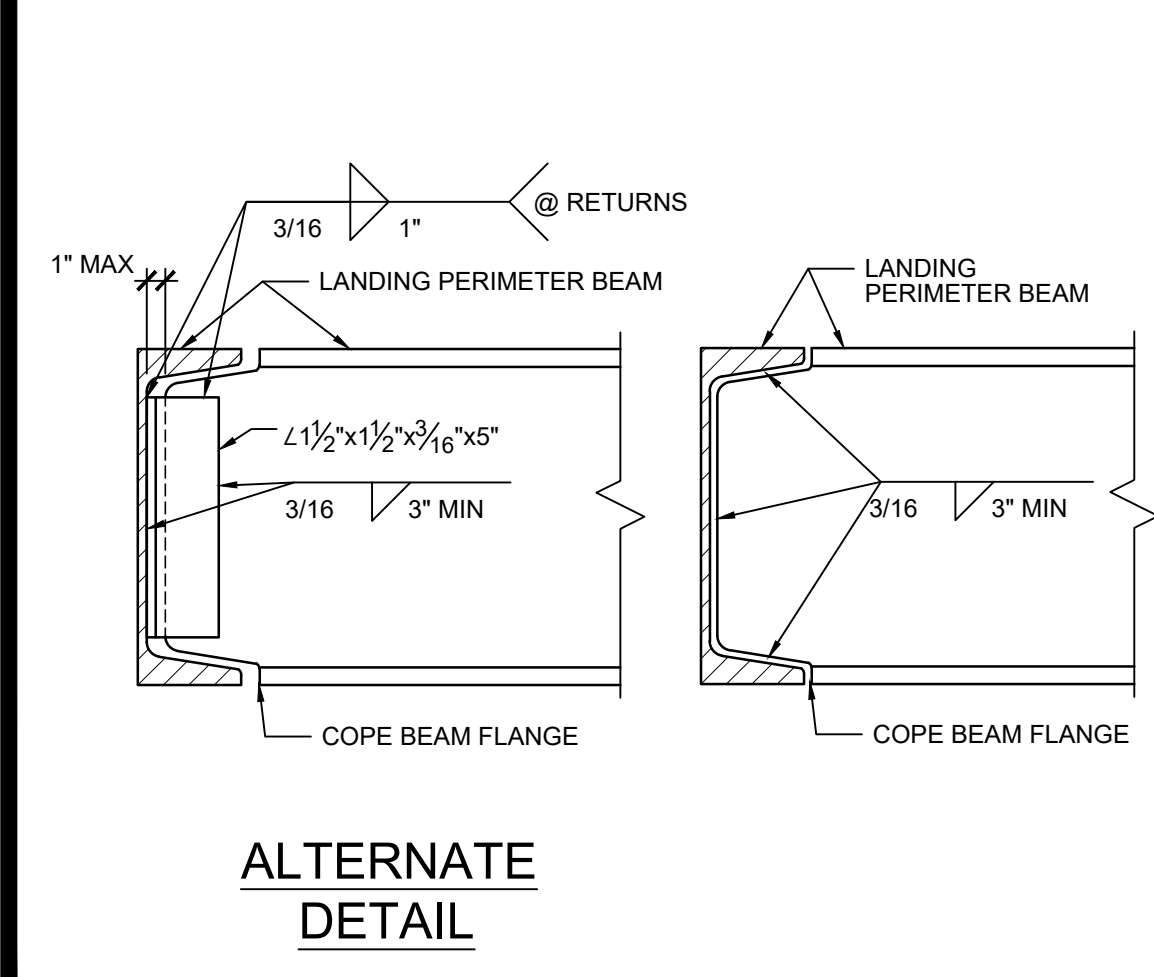


TYPICAL LANDING FLOOR DETAIL SCALE: 1 1/2"=1'-0" 7

RAILING ATTACHMENT DETAIL @ STRINGER SCALE: 1 1/2"=1'-0" 8

RAILING ATTACHMENT DETAIL @ HSS COLUMN SCALE: 1 1/2"=1'-0" 9

LOWER LANDING COL. CONN. @ FOOTING SCALE: 1"=1'-0" 13



LANDING FLOOR WELDING DETAILS SCALE: 1 1/2"=1'-0" 11

CONNECTION DETAIL SCALE: 1 1/2"=1'-0" 12

STAIR STRINGER SPLICE DETAIL SCALE: N.T.S. 13

NOT USED SCALE: 1"=1'-0" 14

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Phone (209) 825-1921
Fax (209) 825-7018
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SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC
Patrick Canham
REGISTERED ARCHITECT
No. C12631
Ren. 3-31-23
STATE OF CALIFORNIA

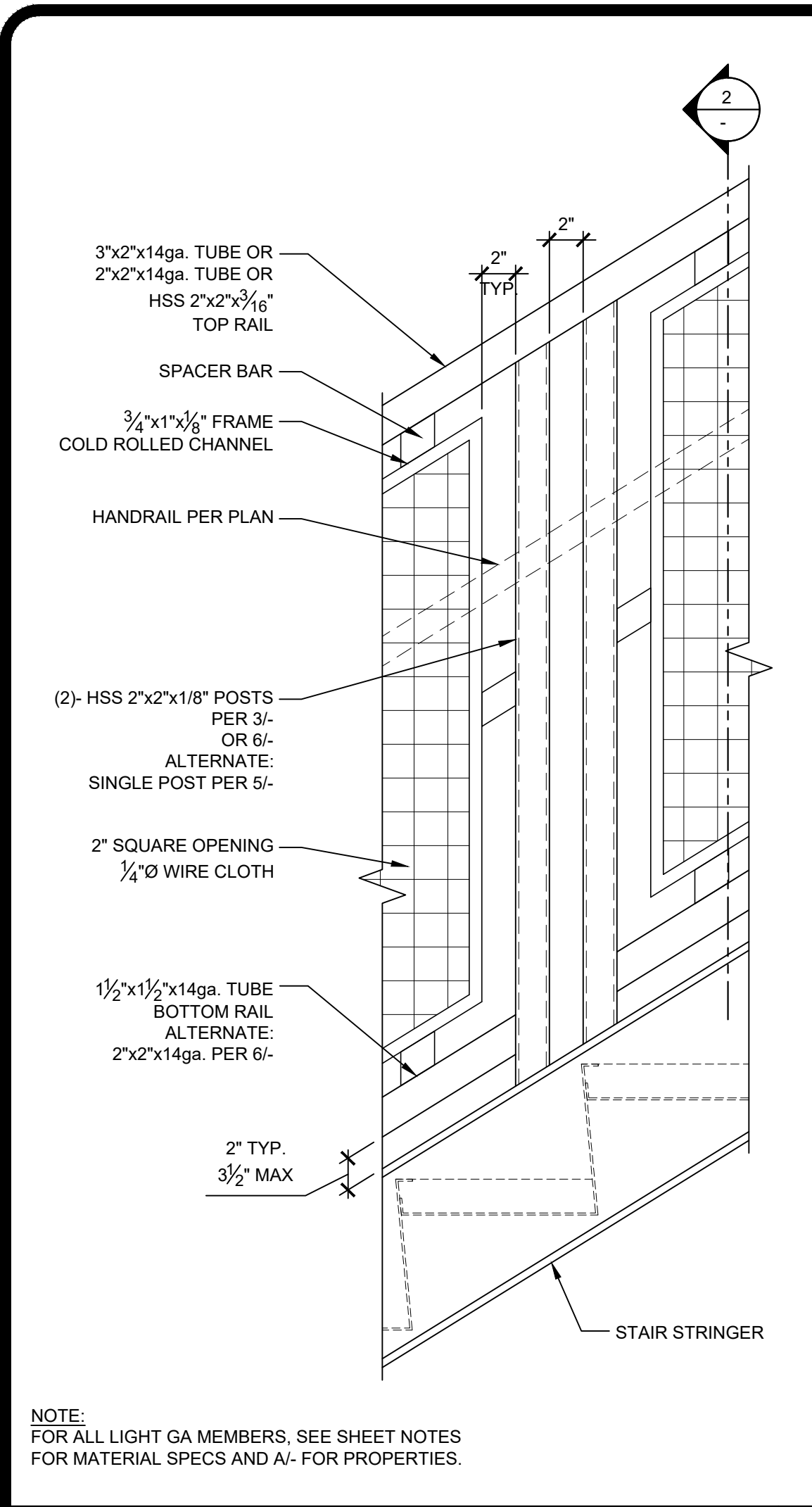
Manuel P. Frisvold
REGISTERED PROFESSIONAL STRUCTURAL ENGINEER
No. 53380
STATE OF CALIFORNIA

09/20/2021
RST#20203

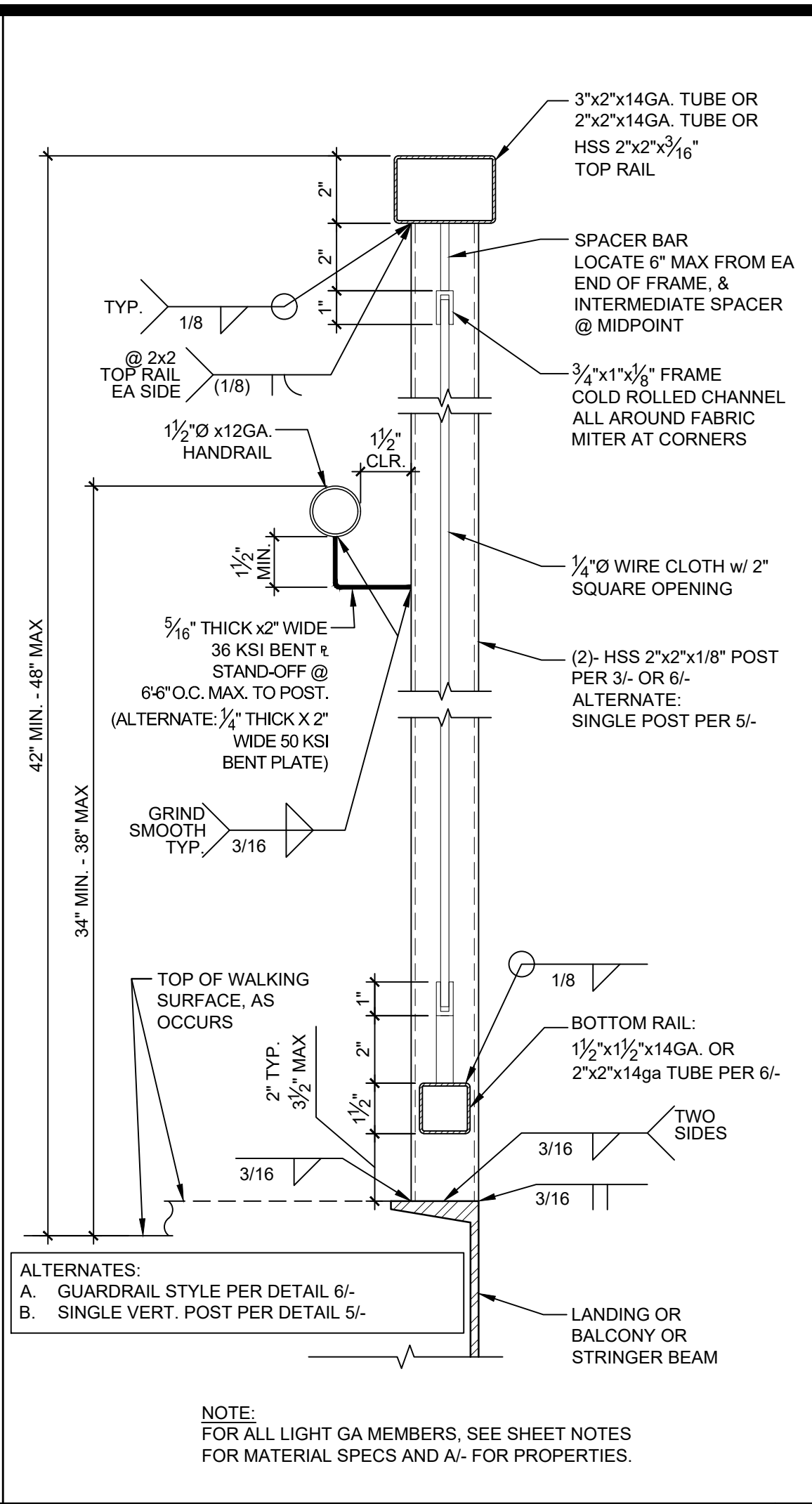
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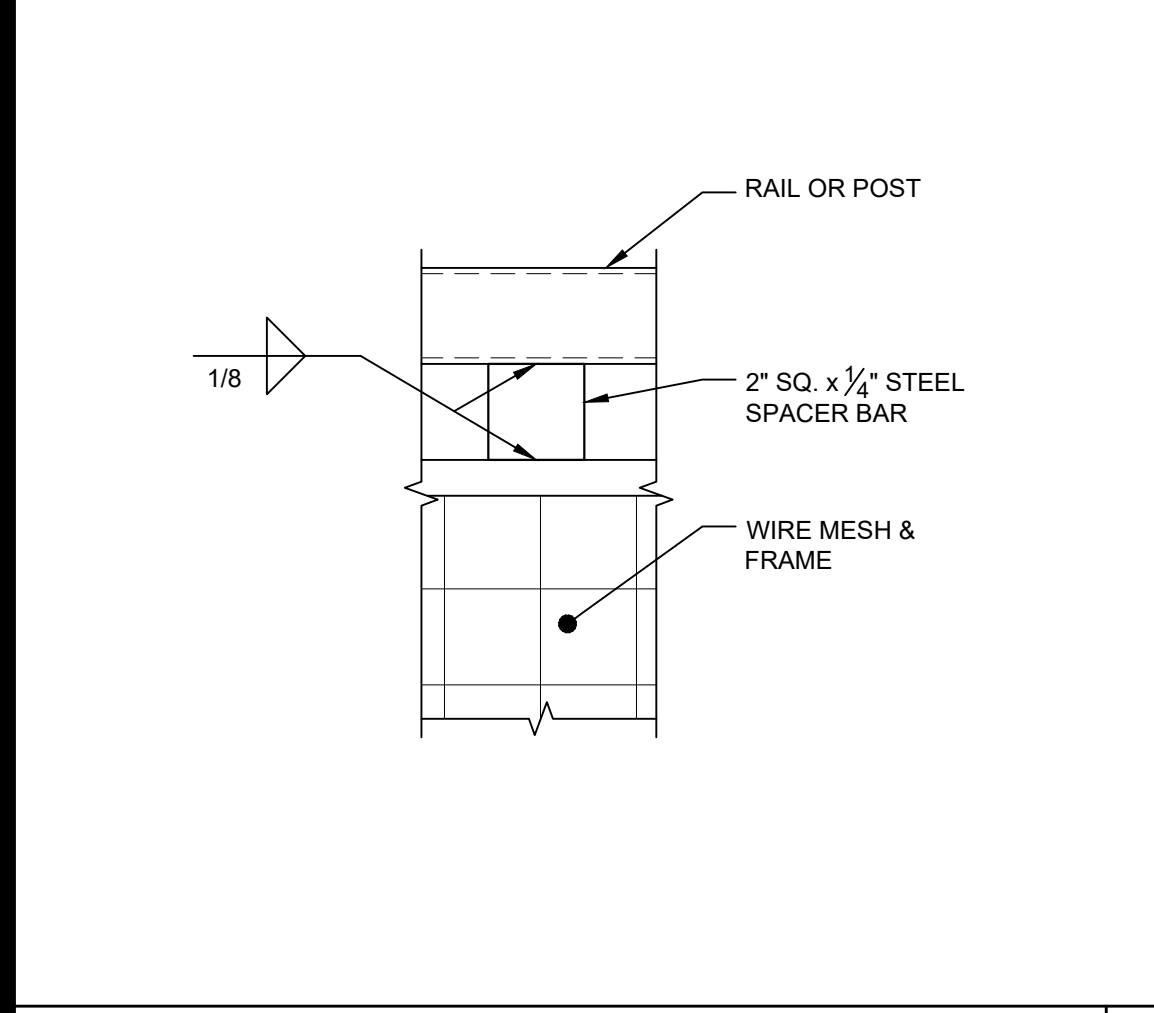
DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE:
STAIR DETAILS
SHEET NUMBER:
S11.1



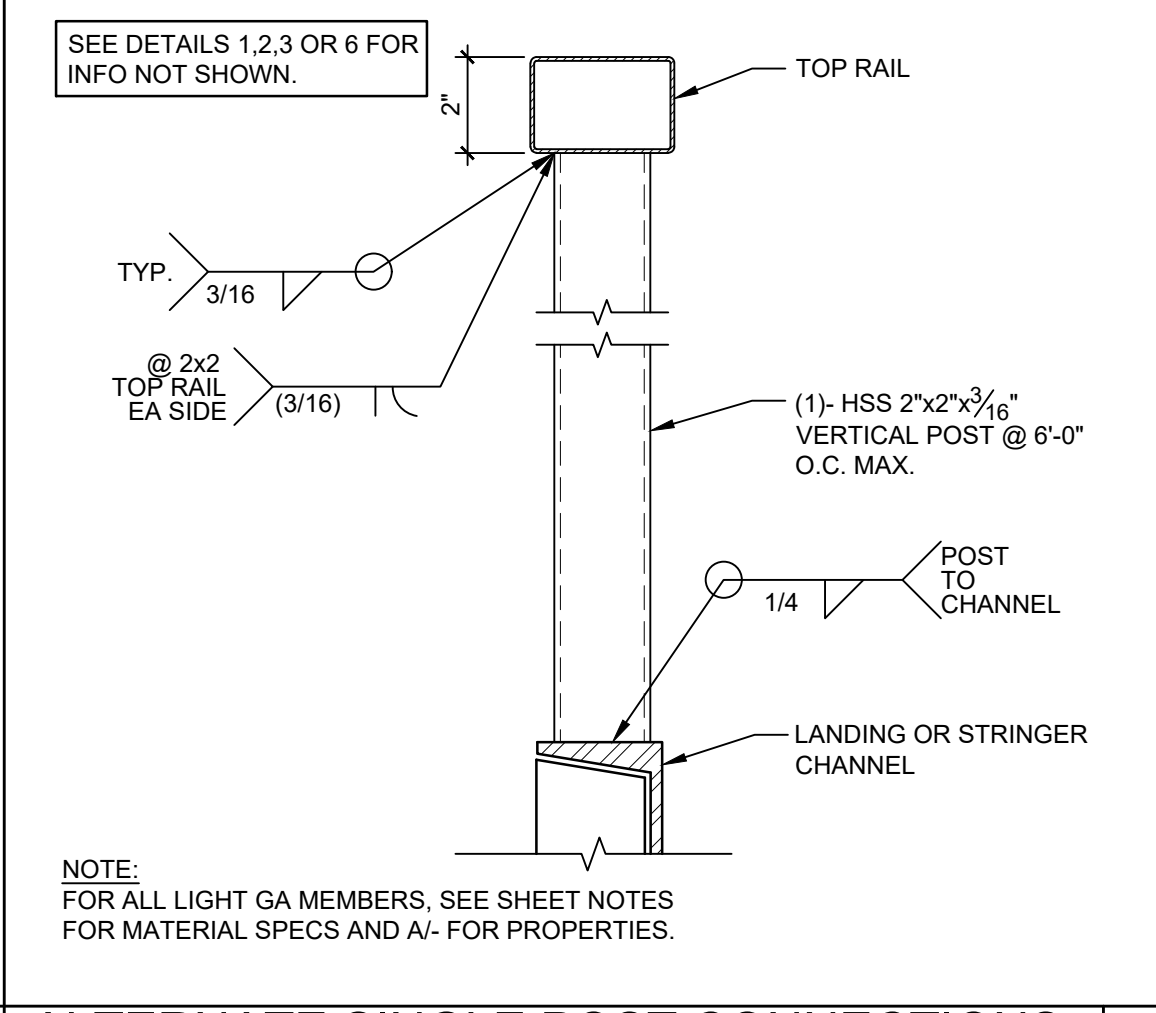
GUARDRAIL @ STAIR SCALE: 1-1/2" = 1'-0" 1



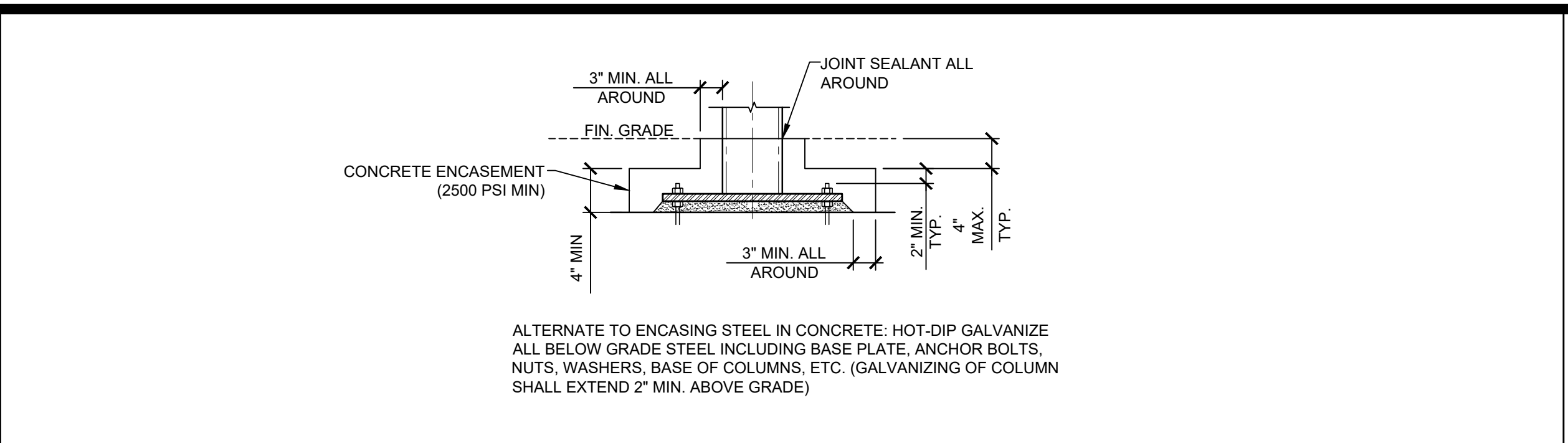
RAILING SECTION SCALE: 1-1/2" = 1'-0" 2



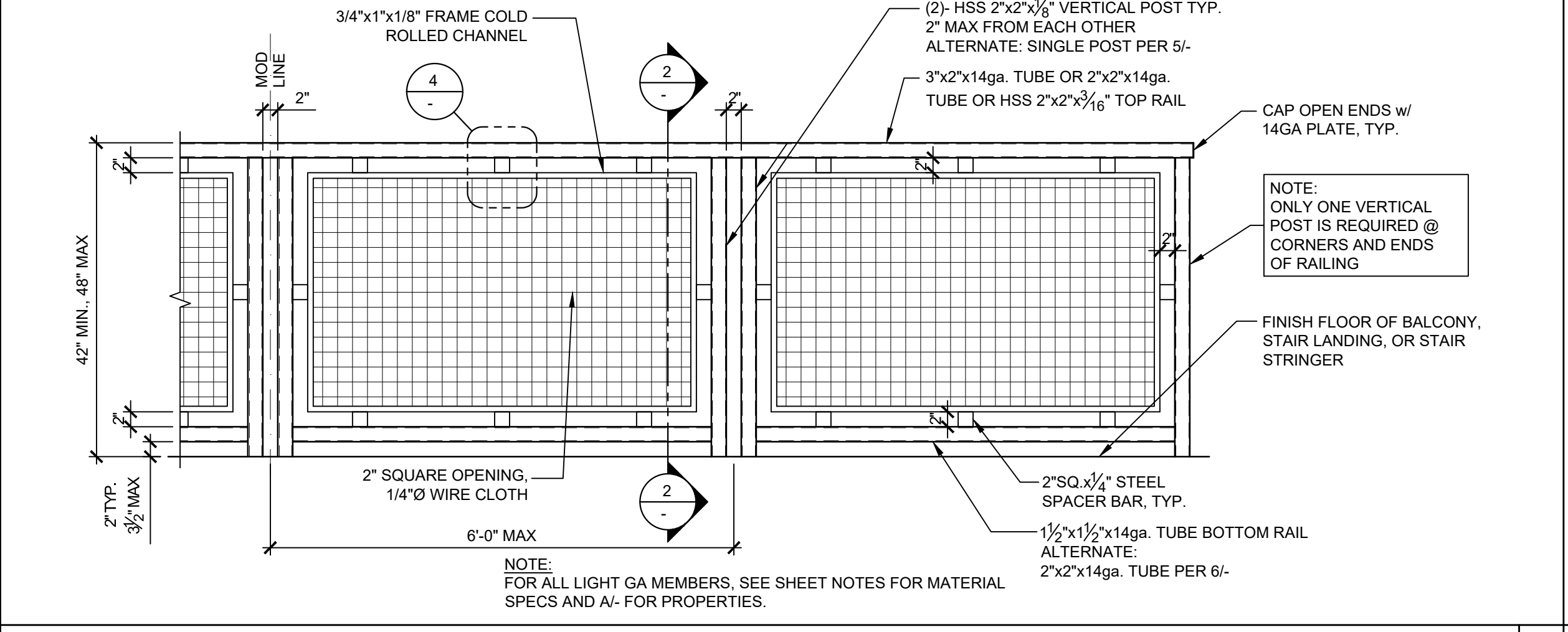
WIRE MESH TO RAIL OR POST SCALE: 3" = 1'-0" 4



ALTERNATE SINGLE POST CONNECTIONS SCALE: 3/4" = 1'-0" 5



PROTECTION OF BELOW GRADE STEEL DETAIL SCALE: 1-1/2" = 1'-0" 2A



TYPICAL GUARDRAIL ELEVATION SCALE: 3/4" = 1'-0" 3

- HSS RAILS AND POSTS: ASTM A500 GRADE B, Fy = 46 KSI.
- LIGHT GAUGE STEEL RAILS AND POSTS: MATERIAL STRENGTH SHALL BE 33 KSI MIN. w/ A MODULUS OF ELASTICITY OF 29,500 KSI ± 3%. ACCEPTABLE STEEL MATERIALS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
ASTM A1011 SS GRADE 33 (Fy=33 KSI)
ASTM A653 SS GRADE 33 (Fy=33 KSI)
ASTM A1008 SS GRADE 33 (Fy=33 KSI)
- BASE METAL THICKNESS OF 14GA MATERIAL SHALL BE 0.0677" MIN (0.0713" DESIGN). BASE METAL THICKNESS OF 12GA MATERIAL SHALL BE 0.0968" MIN (0.1017" DESIGN)
- SPECIFIED STEEL TUBE THICKNESSES ARE MINIMUM. THICKER TUBES MAY BE USED.
- ALL STEEL SHALL BE GIVEN A RUST INHIBITIVE COATING.

SHEET NOTES

Section	Properties
3"x2"x14GA TUBE	A = 0.675 IN ² Sx = 0.567 IN ³ Ix = 0.850 IN ⁴ t = 0.068" IN MIN (0.0713" IN DESIGN)
2"x2"x14GA TUBE	A = 0.533 IN ² Sx = 0.324 IN ³ Ix = 0.324 IN ⁴ t = 0.068" IN MIN (0.0713" IN DESIGN)
1 1/2"x1 1/2"x14GA TUBE	A = 0.447 IN ² Sx = 0.146 IN ³ Ix = 0.110 IN ⁴ t = 0.0968" IN MIN (0.1017" IN DESIGN)

ALL SECTION PROPERTIES ARE GROSS SECTION PROPERTIES

MEMBER PROPERTIES A

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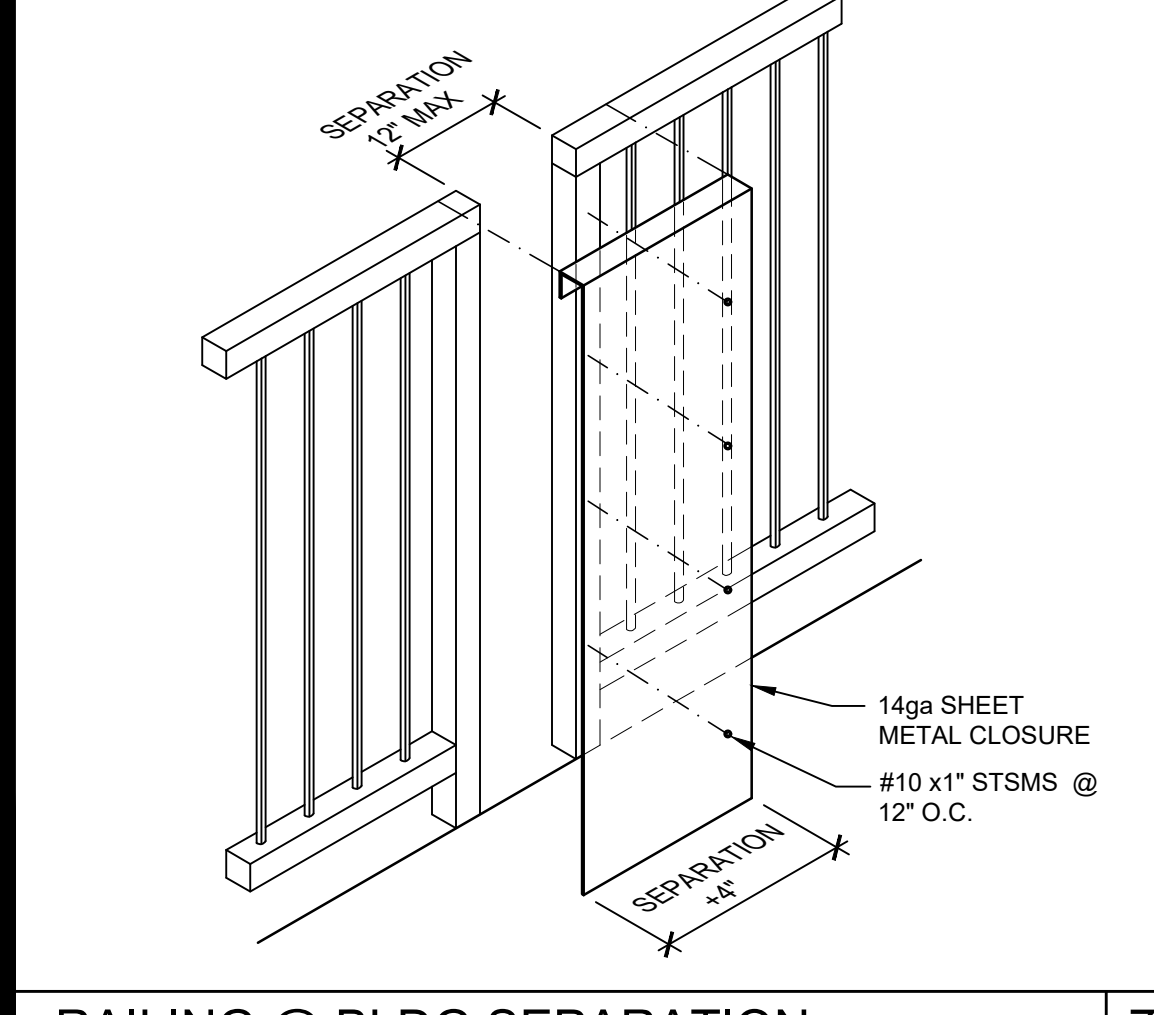
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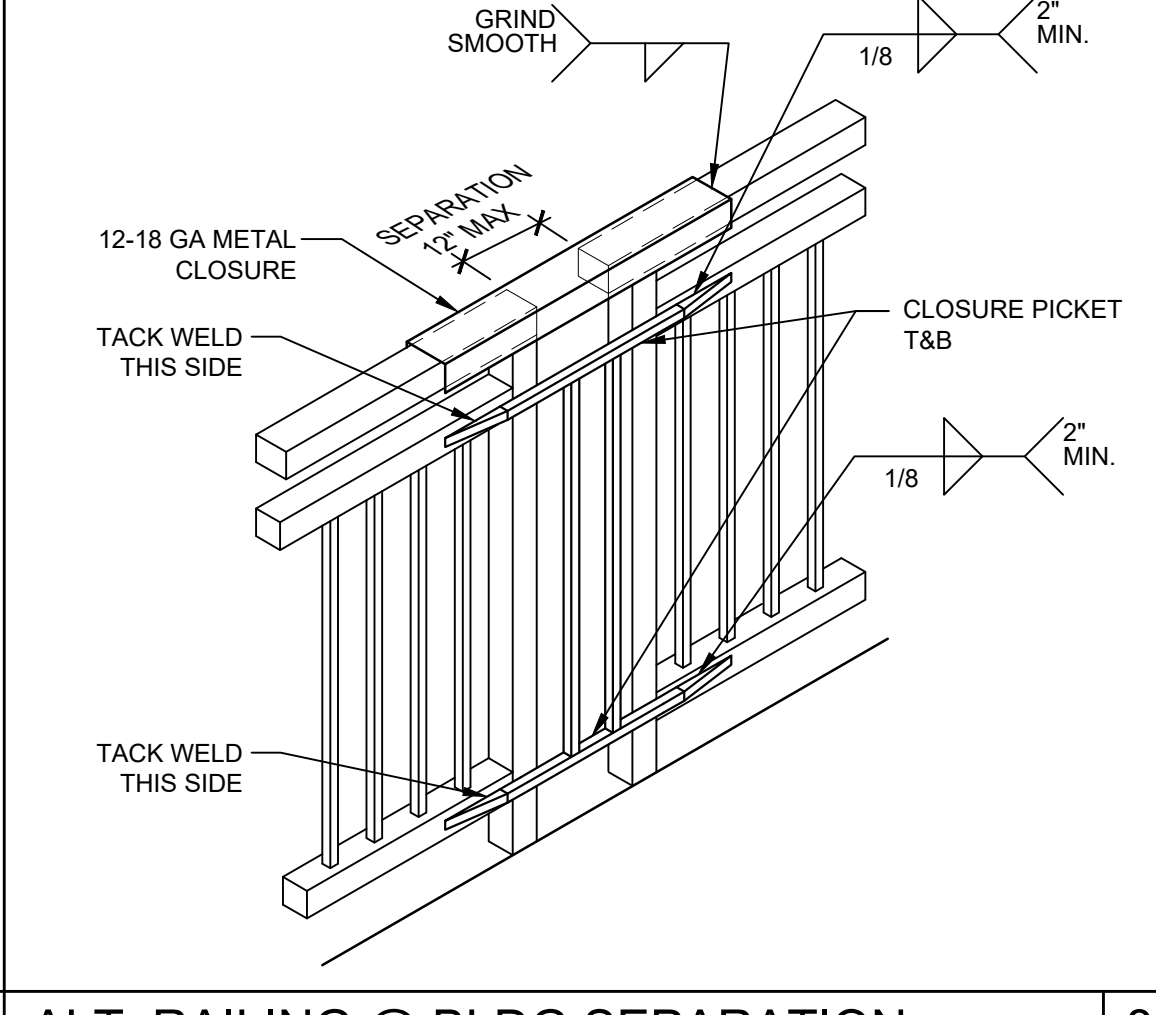
SET NAME
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REGISTERED ARCHITECT
No. C12631
Ren. 2-31-23
STATE OF CALIFORNIA
Matthew P. ...
REGISTERED PROFESSIONAL
No. 53380
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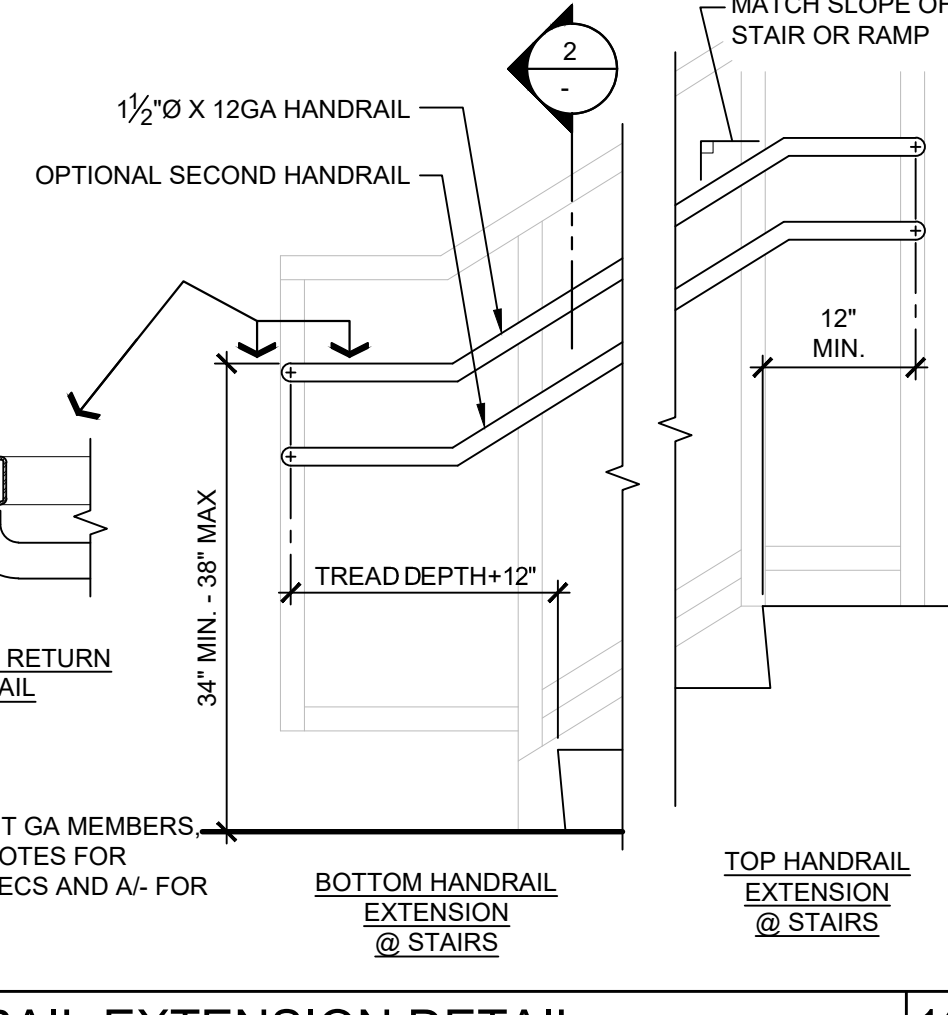
RAILING @ BLDG SEPARATION N.T.S. 7



ALT. RAILING @ BLDG SEPARATION N.T.S. 8

BH-36 METAL DECK PROPERTIES & PROFILE					
PLAN DESIGNATION	DECK TYPE	MINIMUM PROPERTIES			DECK PROFILE
		+S IN ³	-S IN ³	I IN ⁴	
	1 1/2" - 18GA ASC BH-36 GALV DECK PER IAPMO ER #329 (36" WIDE)	0.311	0.329	0.302	
					ALLOW DIAPHRAGM SHEAR (8'-0" MAX SPAN) 1664 PLF w/2" L.W.C. TOPPING (3/8" TOTAL SLAB THICKNESS) (4) 1/2" EFFECTIVE PUDDLE WELDS* OR #12 TEKS SCREWS OR HILTI X-HSN (ESR-2197) 24 PAF's (1/2" EFFECTIVE PUDDLE WELDS* OR #12 TEKS SCREWS @ 12" O.C. MAX @ PARALLEL SUPPORTS) * 1/2" EFFECTIVE PUDDLE WELDS = 1" VISUAL PUDDLE WELD SIDE LAP ATTACHMENT TO BE BUTT PUNCHED @ 36" O.C. MAX.

BH-36 DECK PROFILE 9

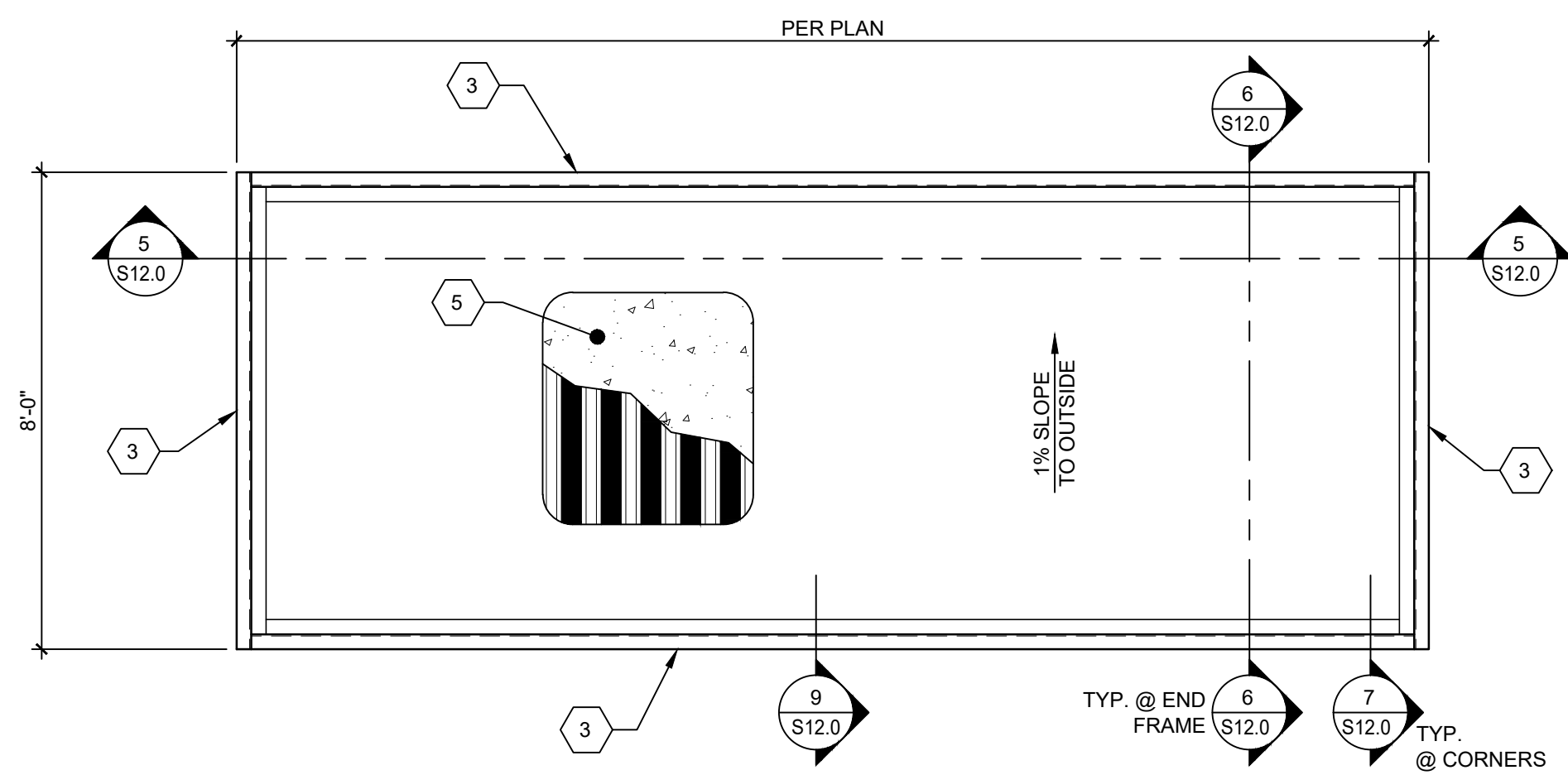


HANDRAIL EXTENSION DETAIL 10

REVISIONS

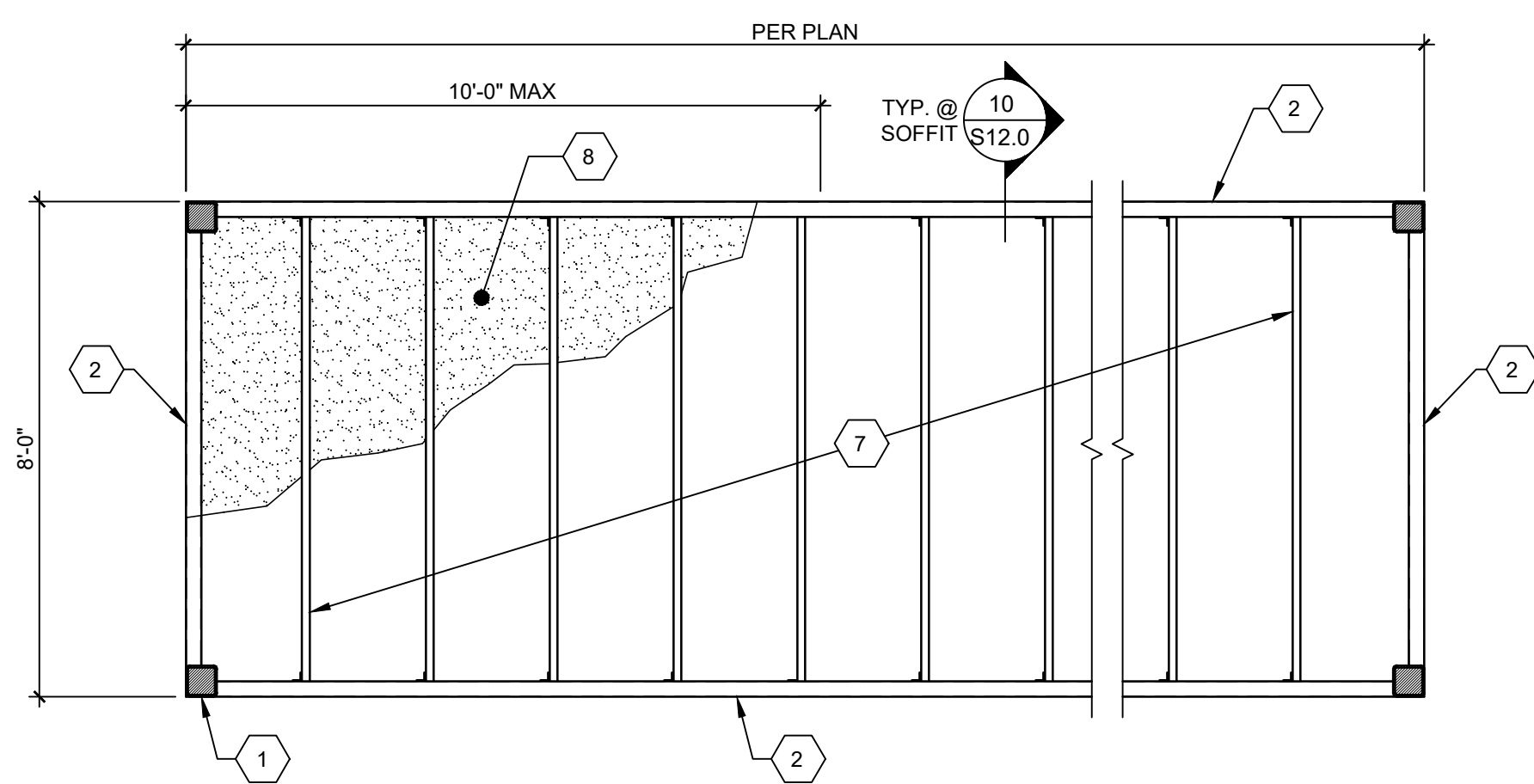
1		
2		
3		
4		

DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE:
STAIR RAILING AND GUARDRAIL DETAILS
SHEET NUMBER:
S11.2



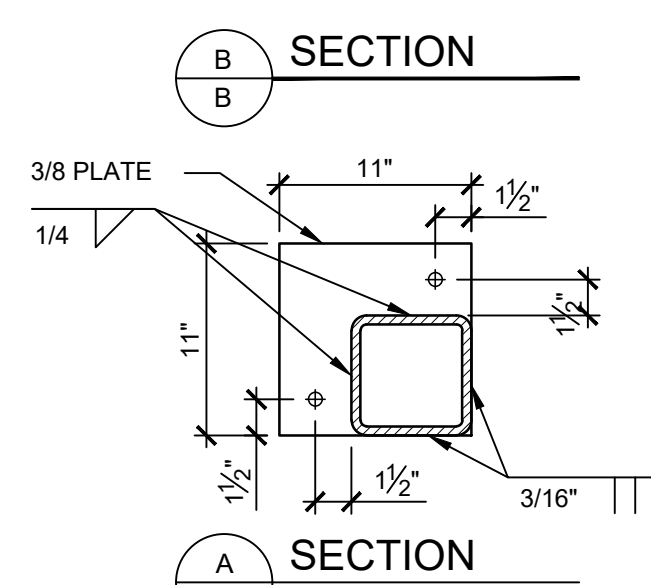
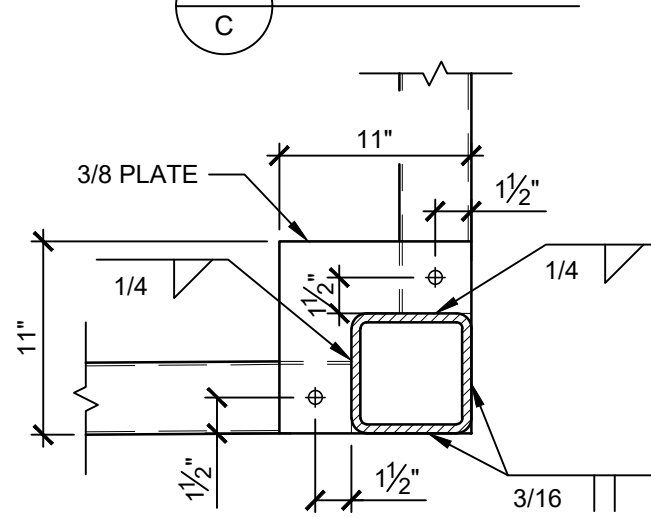
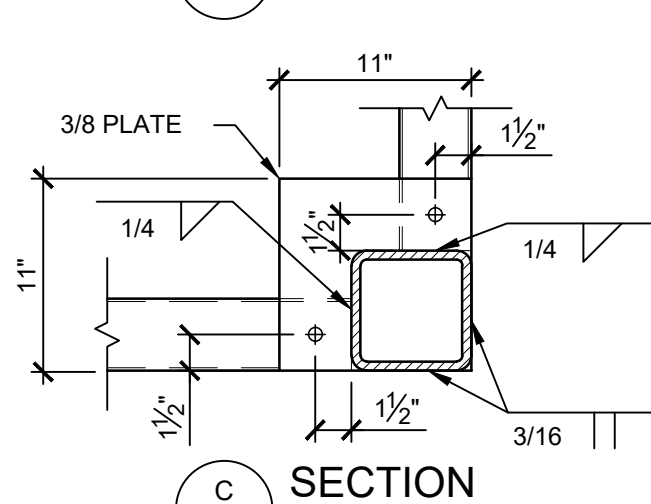
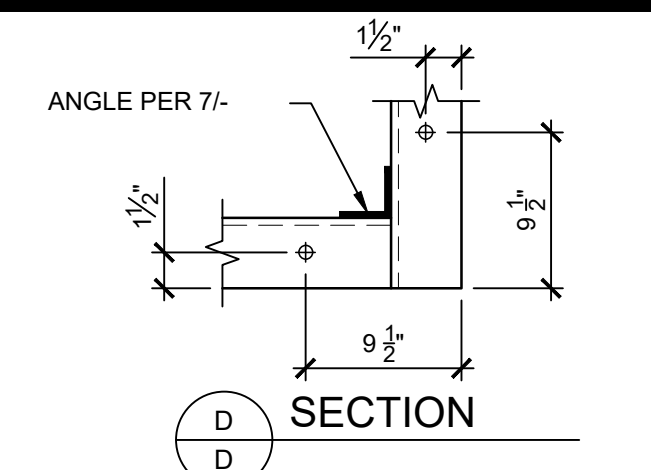
SKYWALK FLOOR FRAMING PLAN

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



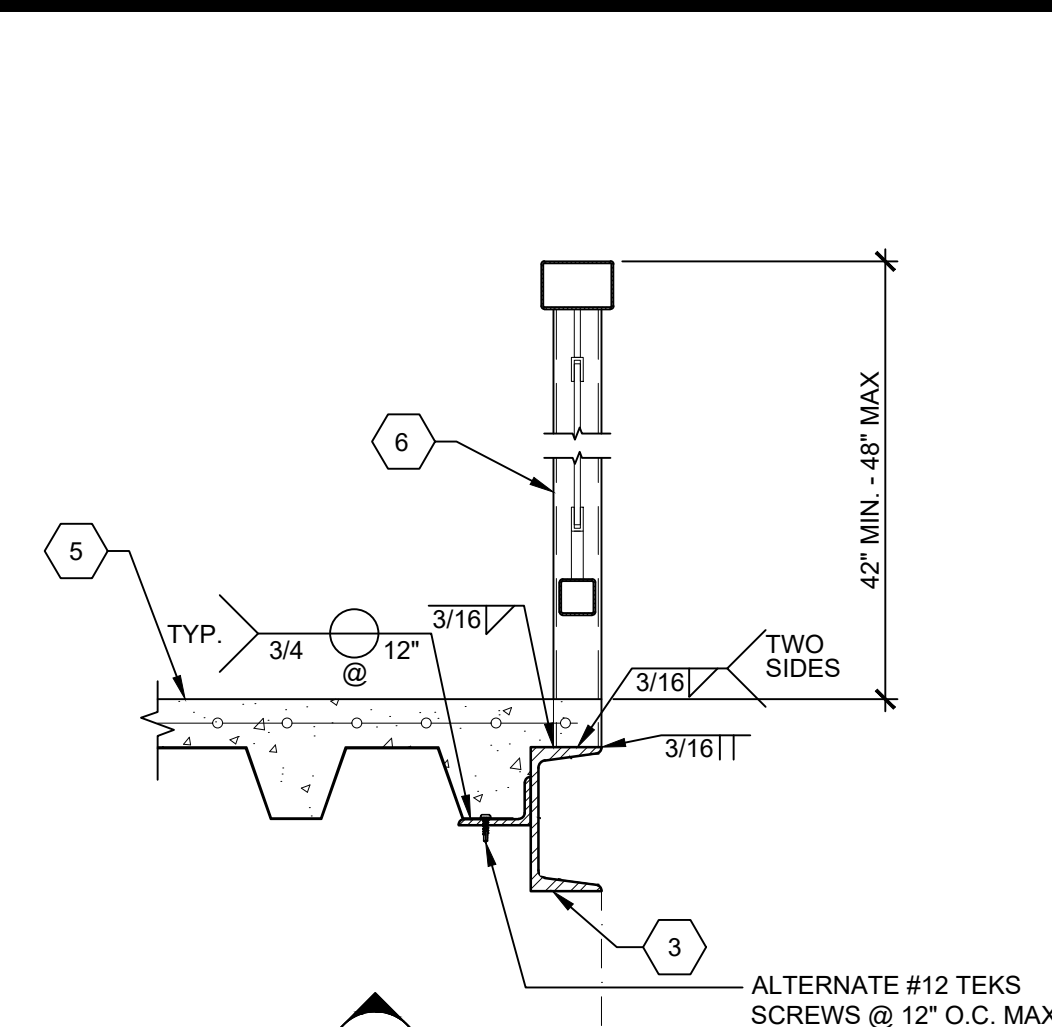
SKYWALK SOFFIT FRAMING PLAN

SCALE: 3/8" = 1'-0" 2



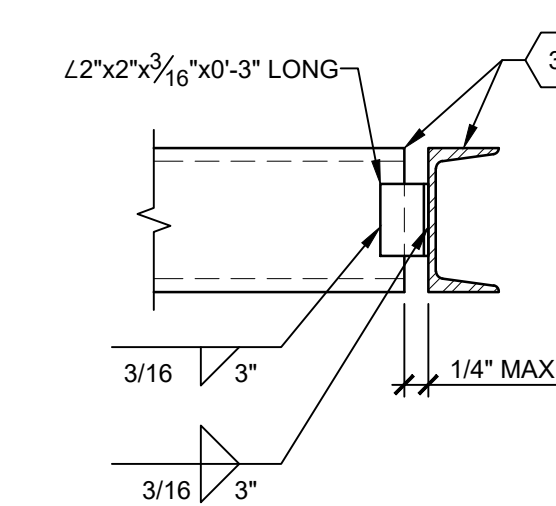
LANDING FLOOR WELDING DETAIL

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



- 1 HSS 8x8x1/4 COL.
 - 2 23x10GA FORMED 'C' CHANNEL REFER TO S0.0
 - 3 MC6x15.1 PERIMETER BEAM
 - 4 NOT USED
 - 5 2" LIGHT WEIGHT CONCRETE FILL (w/MEDIUM BROOM FINISH) OVER 18 GA N-32 OR NH-32 DECK PER 3A/S12.1 OR 3B/S12.1 (OR 3W OR 3WH DECK, PER 4/S2.1)
 - 6 GUARDRAIL PER SHEET S11.0
 - 7 60S162-33 STEEL STUDS SPACED @ 24" O.C.
 - 8 STUCCO FINISH OVER 3/8" RIB METAL LATH
- NOTE:
PROVIDE 7" MIN SEISMIC GAP BETWEEN SKYWALK-TO-BALCONY

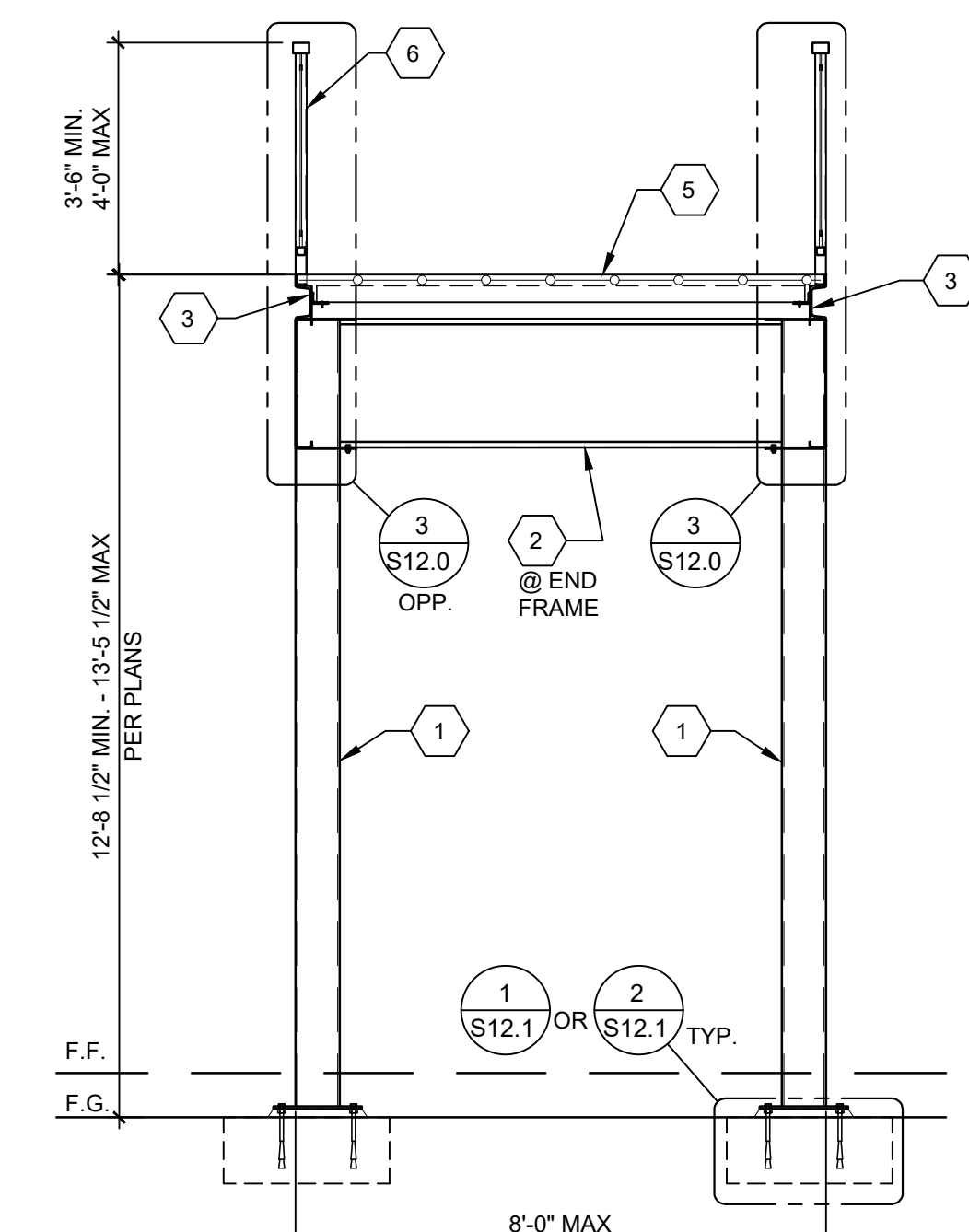
KEY NOTES



CORNER CONNECTION

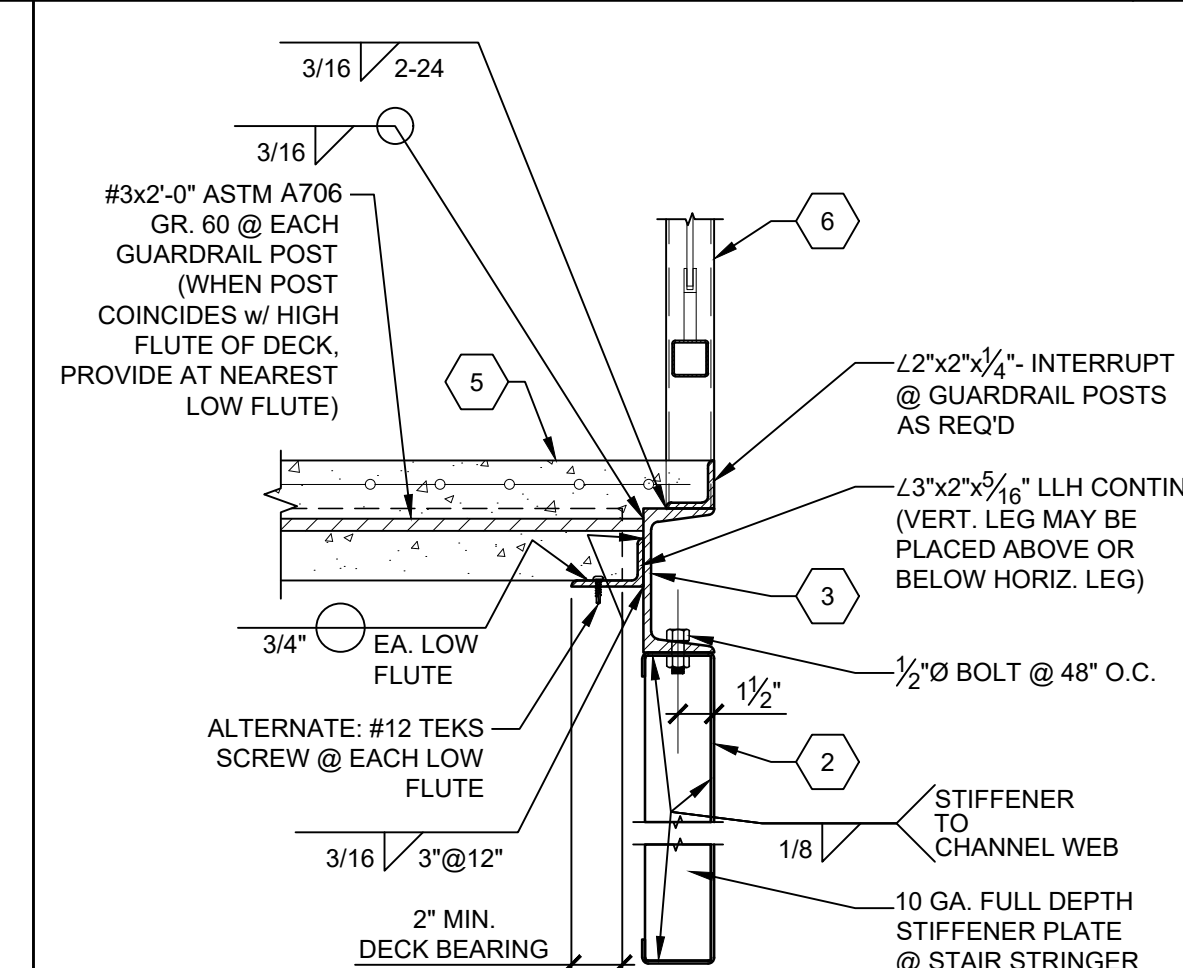
SCALE: 1-1/2" = 1'-0" 7

EXTERIOR PLASTER
LATHING AND PLASTERING MATERIALS AND ACCESSORIES SHALL BE MARKED BY THE MANUFACTURER'S DESIGNATION TO INDICATE COMPLIANCE WITH THE APPROPRIATE STANDARDS REFERENCED IN THIS SECTION AND STORED IN SUCH A MANNER TO PROTECT THEM FROM THE WEATHER. PER C.B.C. 2507.1.
LATHING AND PLASTERING MATERIALS SHALL CONFORM TO THE STANDARDS LISTED IN C.B.C. TABLE 2507.2 AND C.B.C. CHAPTER 35 AND, WHERE REQUIRED FOR FIRE PROTECTION, SHALL ALSO CONFORM TO THE PROVISIONS OF C.B.C. CHAPTER 7, PER C.B.C. 2507.2.



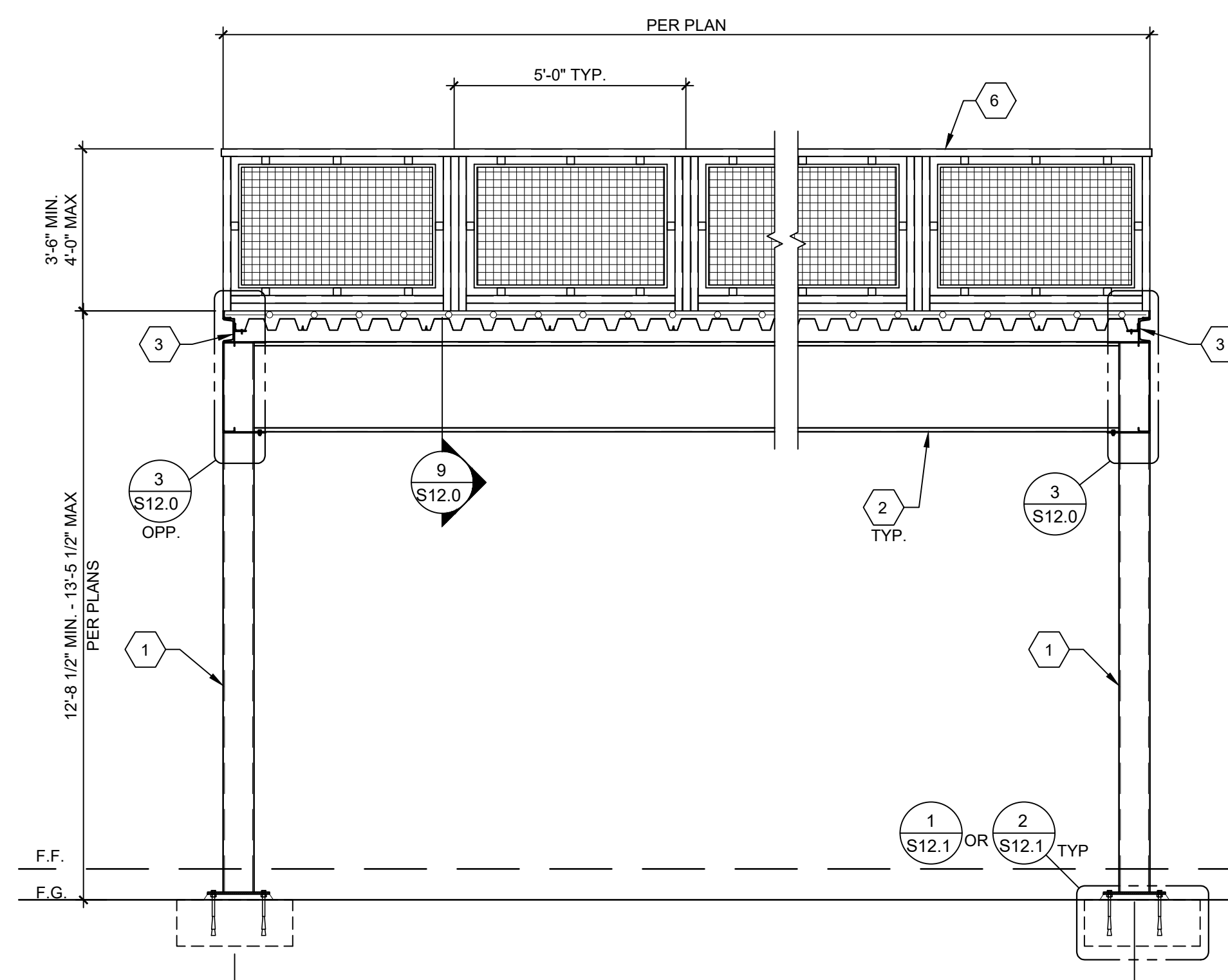
SKYWALK END FRAME SECTION

SCALE: 3/8" = 1'-0" 5



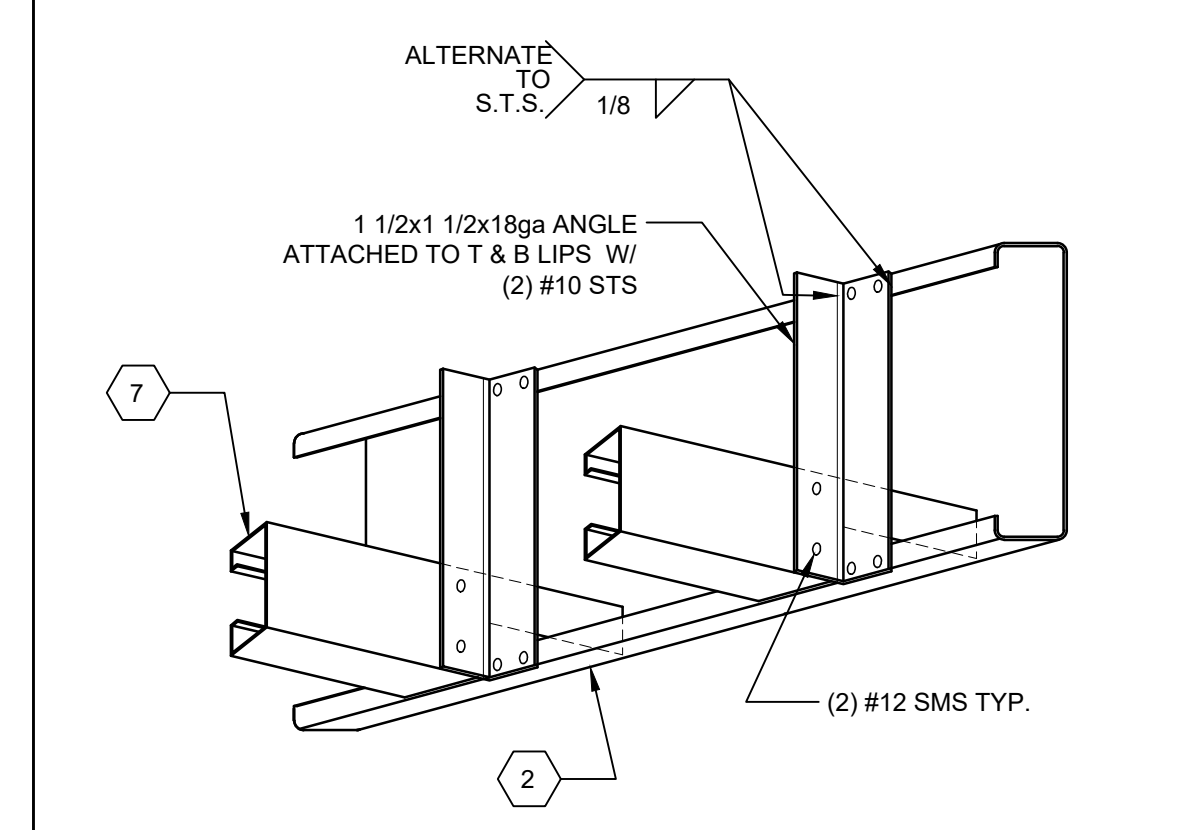
FLOOR FRAME SECTION CONN.

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



SKYWALK FRAME SECTION

SCALE: 3/8" = 1'-0" 5



SKYWALK SOFFIT ATTACHMENT

SCALE: 1-1/2" = 1'-0" 10

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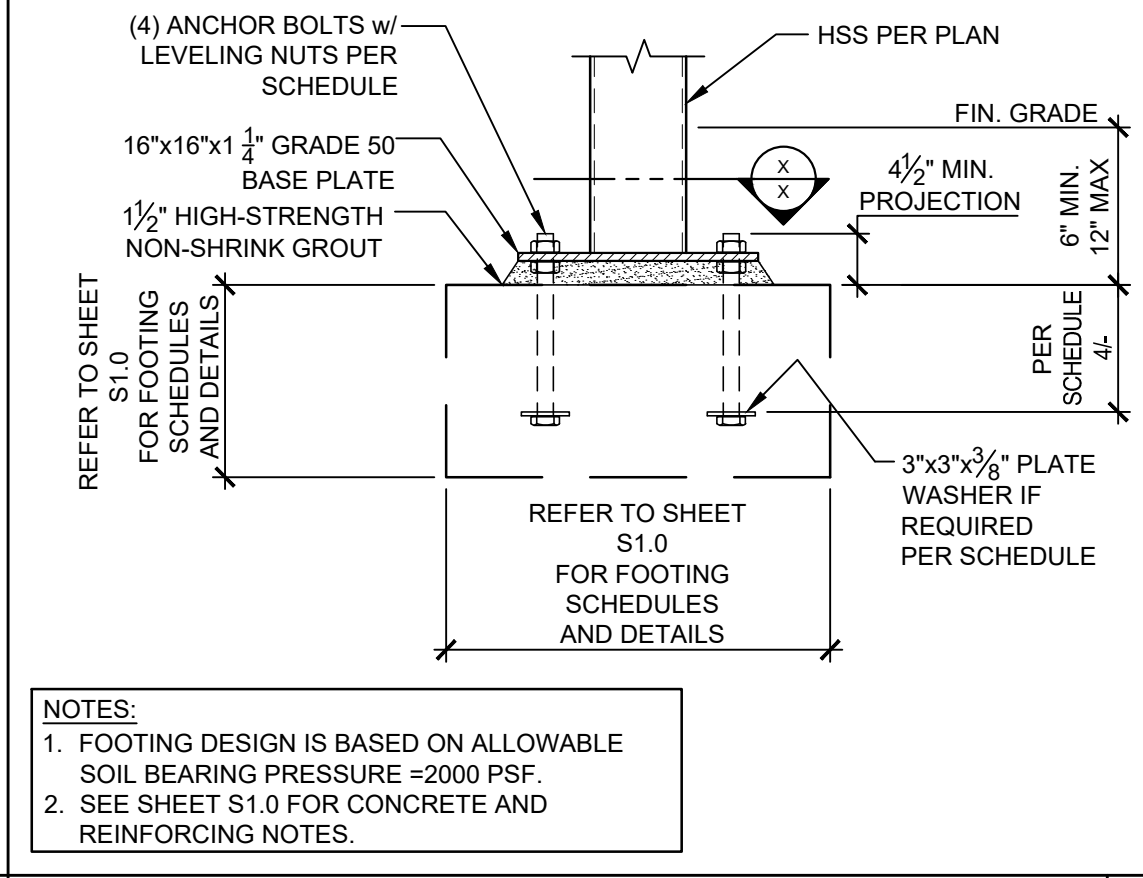
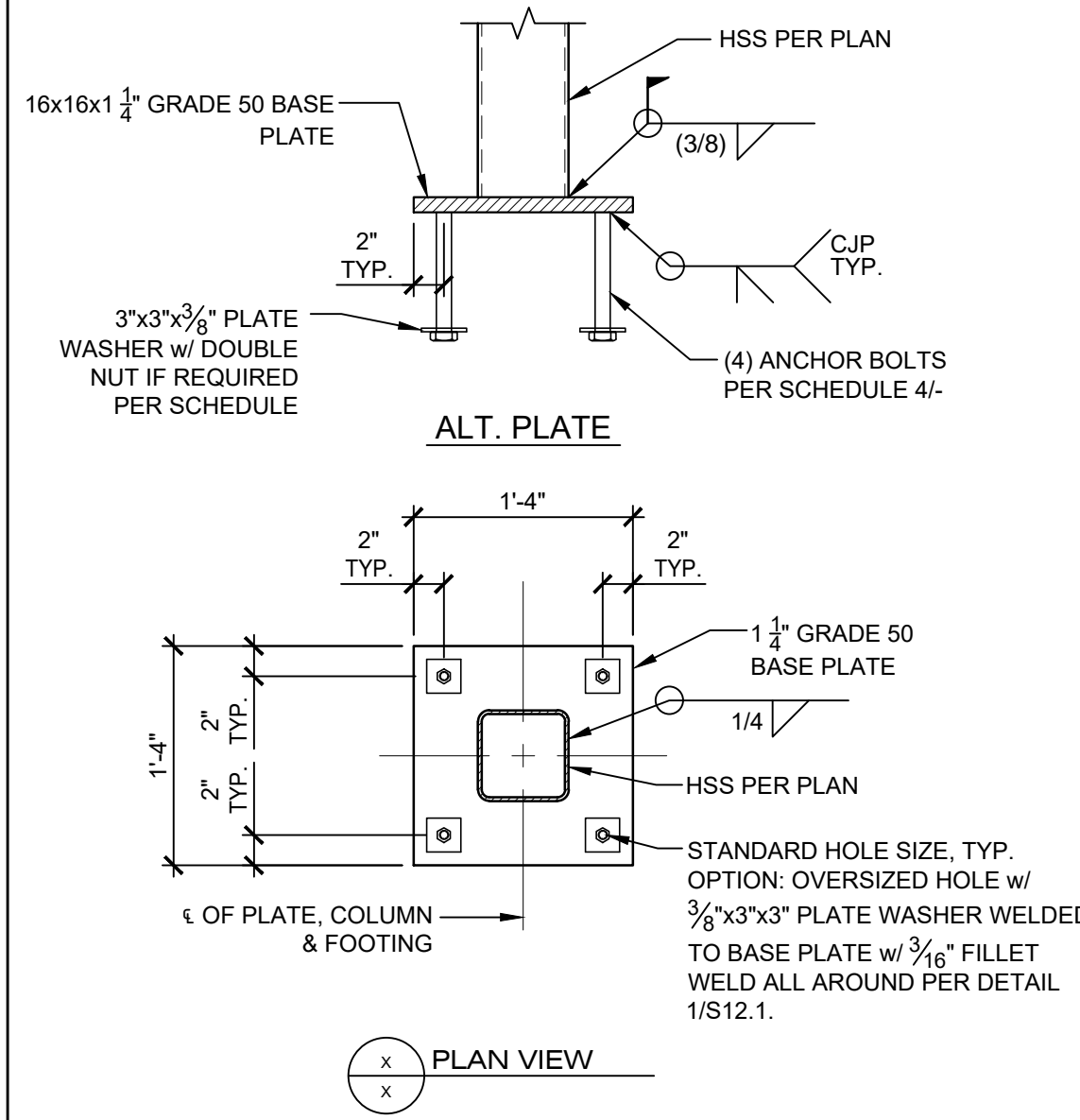
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SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE:
SKYWALK FRAMING PLANS AND DETAILS
SHEET NUMBER:
S12.0



N-32 & NH-32 METAL DECK PROPERTIES & PROFILE

PLAN SYMBOL	DECK TYPE	MINIMUM PROPERTIES				ALLOWABLE DIAPHRAGM SHEAR (8'-0" MAX SPAN)	DECK PROFILE
		S _y IN ²	S _x IN ²	I _y IN ⁴	I _x IN ⁴		
	3"-18ga ASC N-32 GALV DECK PER ICC ESR #2408 (32" WIDE)	0.693	0.734	1.155	1.275	1171 P.L.F. w/ 2" L.W.C. TOPPING (5" TOTAL SLAB THICKNESS)	 • (3) 1/2" EFFECTIVE FUSION WELDS* OR #12 TEKS SCREWS × (2) ADDITIONAL 1/2" EFFECTIVE FUSION WELDS* OR #12 TEKS SCREWS @ NH-32 DECK * 1/2" EFFECTIVE FUSION WELD = 1" VISUAL FUSION WELD **SIDE LAP ATTACHMENT TO BE BUTTON PUNCHED @ 36" O.C. MAX.
	3"-18ga ASC NH-32 GALV DECK PER IAPMO ER #0329 (32" WIDE)	0.661	0.715	1.121	1.275	1606 P.L.F. w/ 2" L.W.C. TOPPING (5" TOTAL SLAB THICKNESS)	

N-32 DECK PROFILE NOT TO SCALE 3A

3W & 3WH METAL DECK PROPERTIES & PROFILE

PLAN SYMBOL	DECK TYPE	MINIMUM PROPERTIES		ALLOWABLE DIAPHRAGM SHEAR (8'-0" MAX SPAN)	DECK PROFILE
		S _{spot} IN ² /FT	I _y IN ⁴ /FT		
	3"-18ga ASC 3W GALV DECK PER ICC ESR #2408 (36" WIDE)	0.771	1.200	1517 P.L.F. w/ 2" L.W.C. TOPPING (5" TOTAL SLAB THICKNESS)	 • (4) 1/2" EFFECTIVE FUSION WELDS* OR #12 TEKS SCREWS * 1/2" EFFECTIVE FUSION WELD = 1" VISUAL FUSION WELD **SIDE LAP ATTACHMENT TO BE BUTTON PUNCHED @ 36" O.C. MAX.
	3"-18ga ASC 3WH GALV DECK PER IAPMO UES ER #0329 (36" WIDE)	0.704	1.113	1653 P.L.F. w/ 2" L.W.C. TOPPING (5" TOTAL SLAB THICKNESS)	

3W DECK PROFILE NOT TO SCALE 3B

NOT USED 1

BASE PLATE DETAILS SCALE: 1" = 1'-0" 2

SPREAD FOOTING PER 2/S12.1

CORNER COLUMN FOUNDATIONS SIZE	ANCHOR BOLTS PER 2/S12.1				
	ANCHOR TYPE & GRADE	ANCHOR DIAMETER	ANCHOR EMBEDMENT	PLATE WASHER REQUIRED	PULL TEST
PER FOUNDATION PLANS	ASTM F1554 GRADE 36(F _y =36 KSI) CAST-IN-PLACE ANCHOR BOLT	1"	18"	YES	NOT REQUIRED
	GRADE 36(F _y =36 KSI) ALL-THREAD ROD CAST-IN-PLACE ANCHOR w/ DOUBLE NUTS	1"	18"	YES	NOT REQUIRED

SKYWALK BASE PLATE DETAILS AND ANCHOR BOLT SCHEDULE SCALE: 1" = 1'-0" 4

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SET NAME
(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC

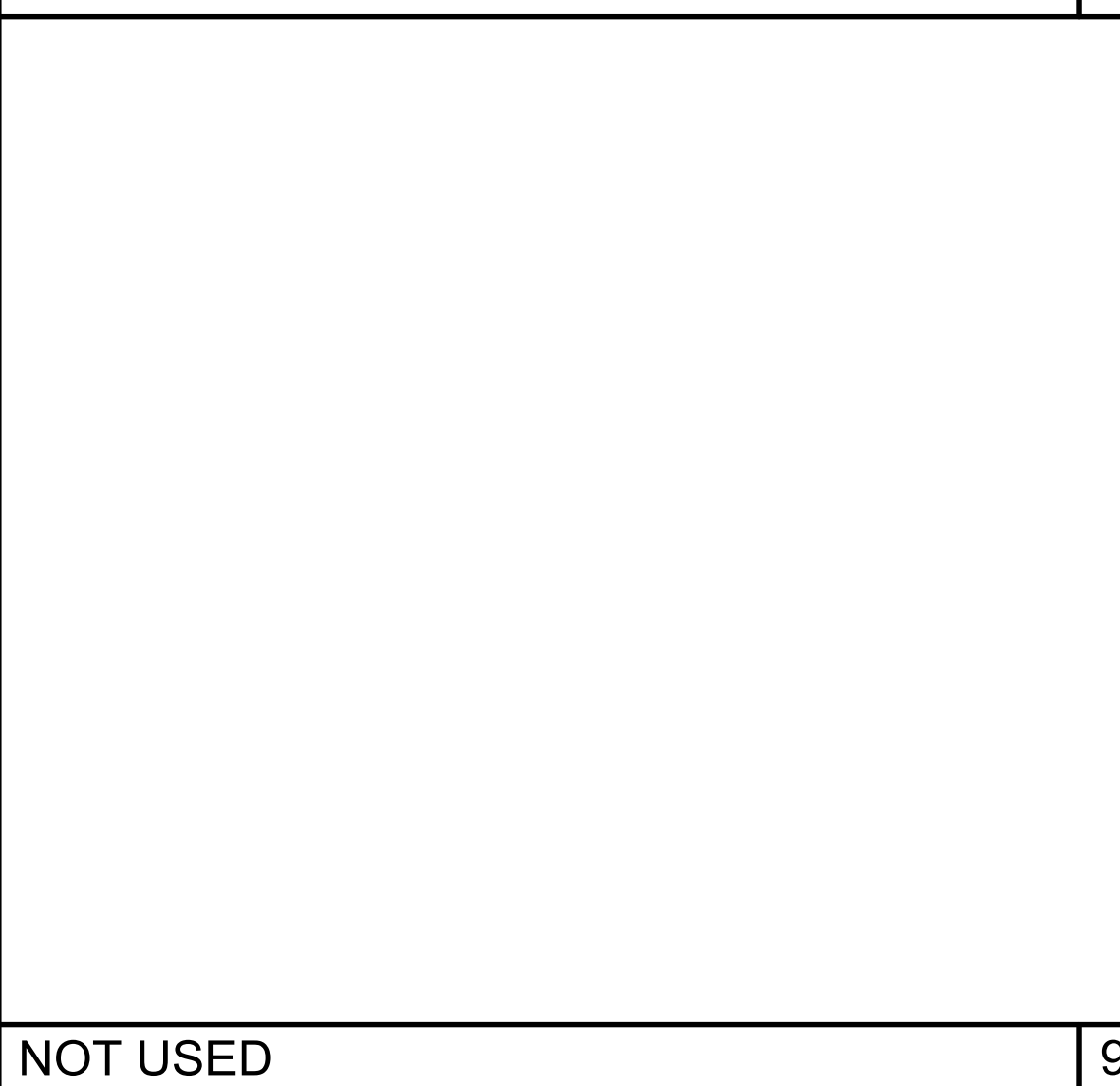
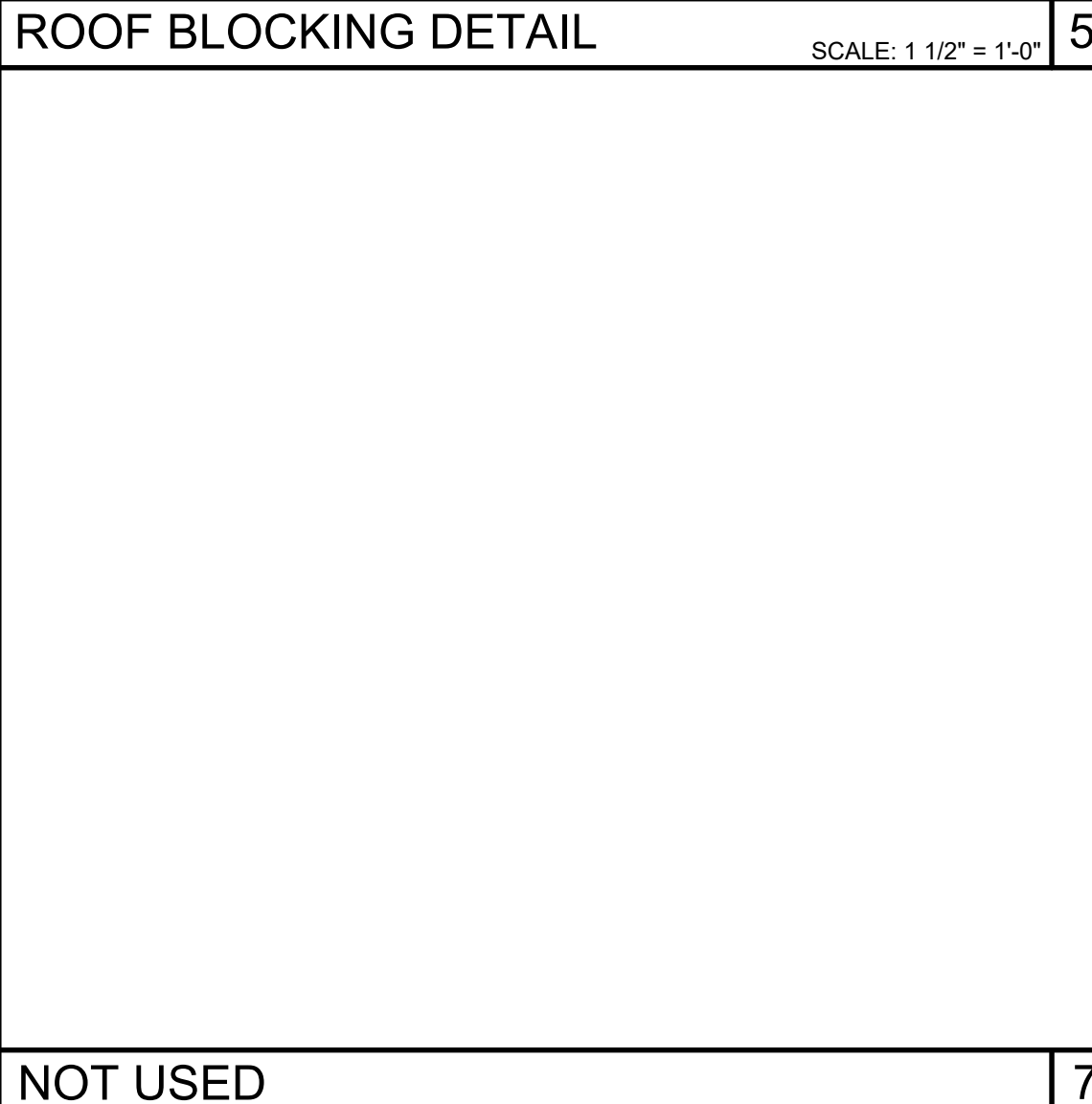
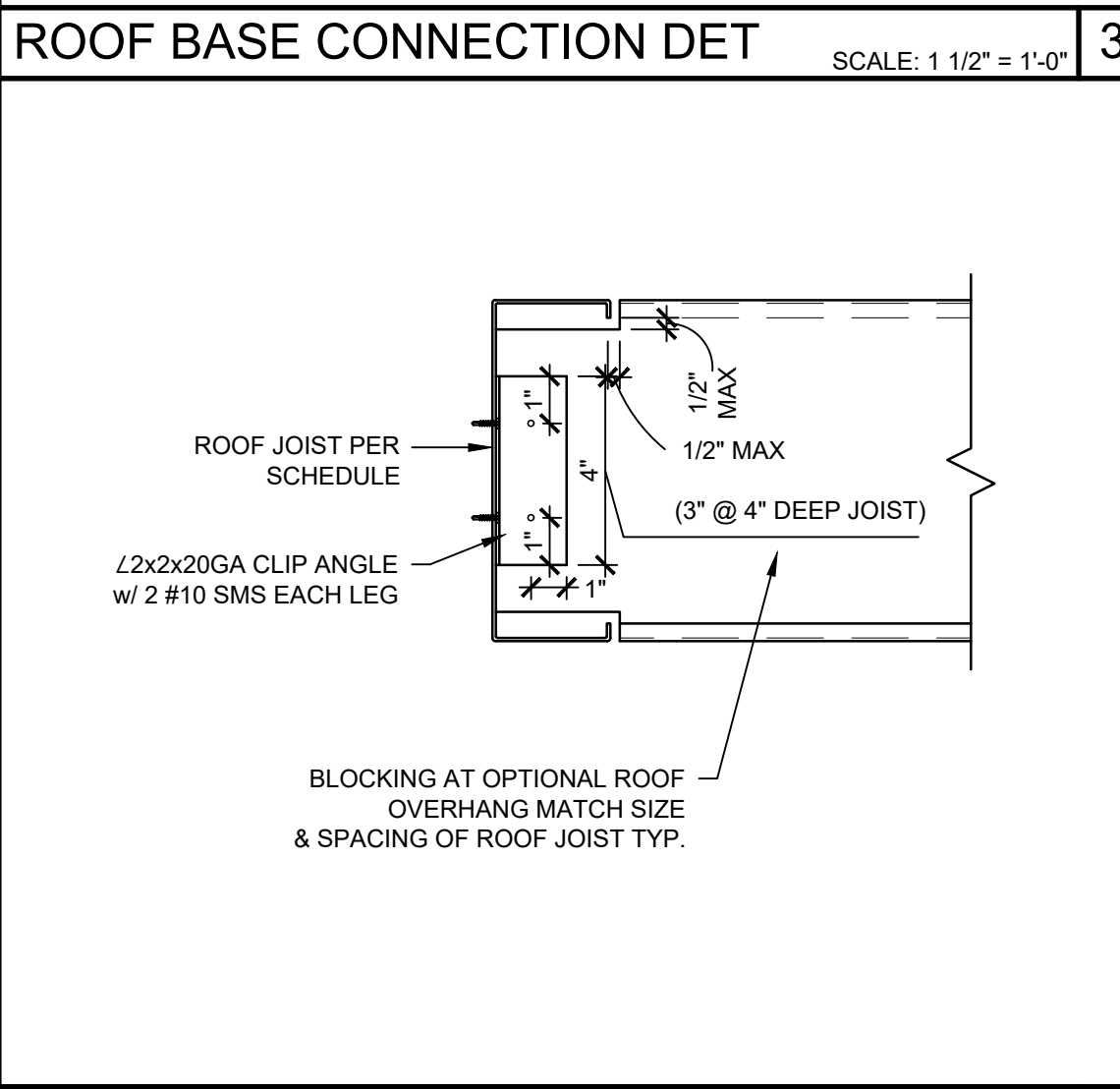
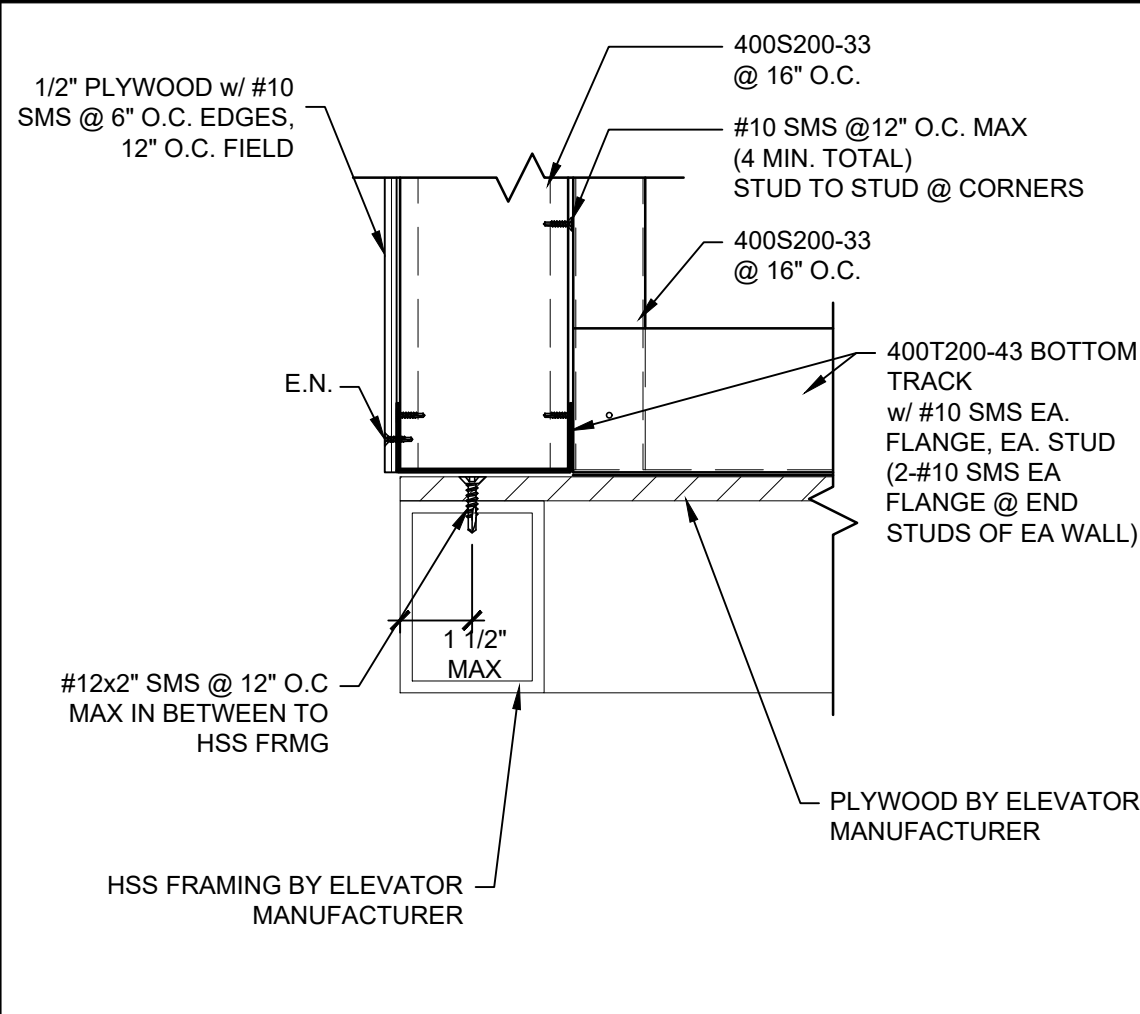
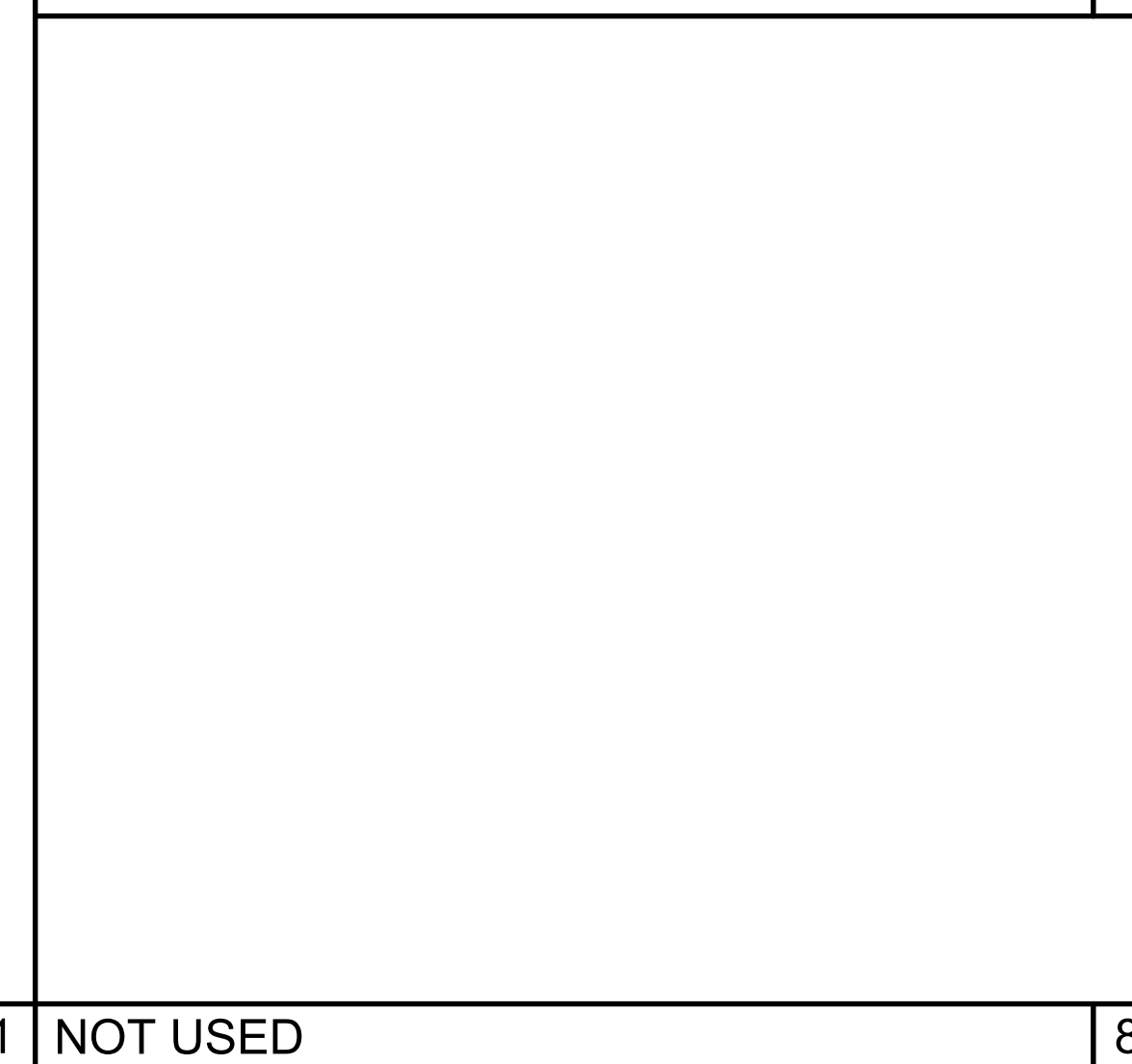
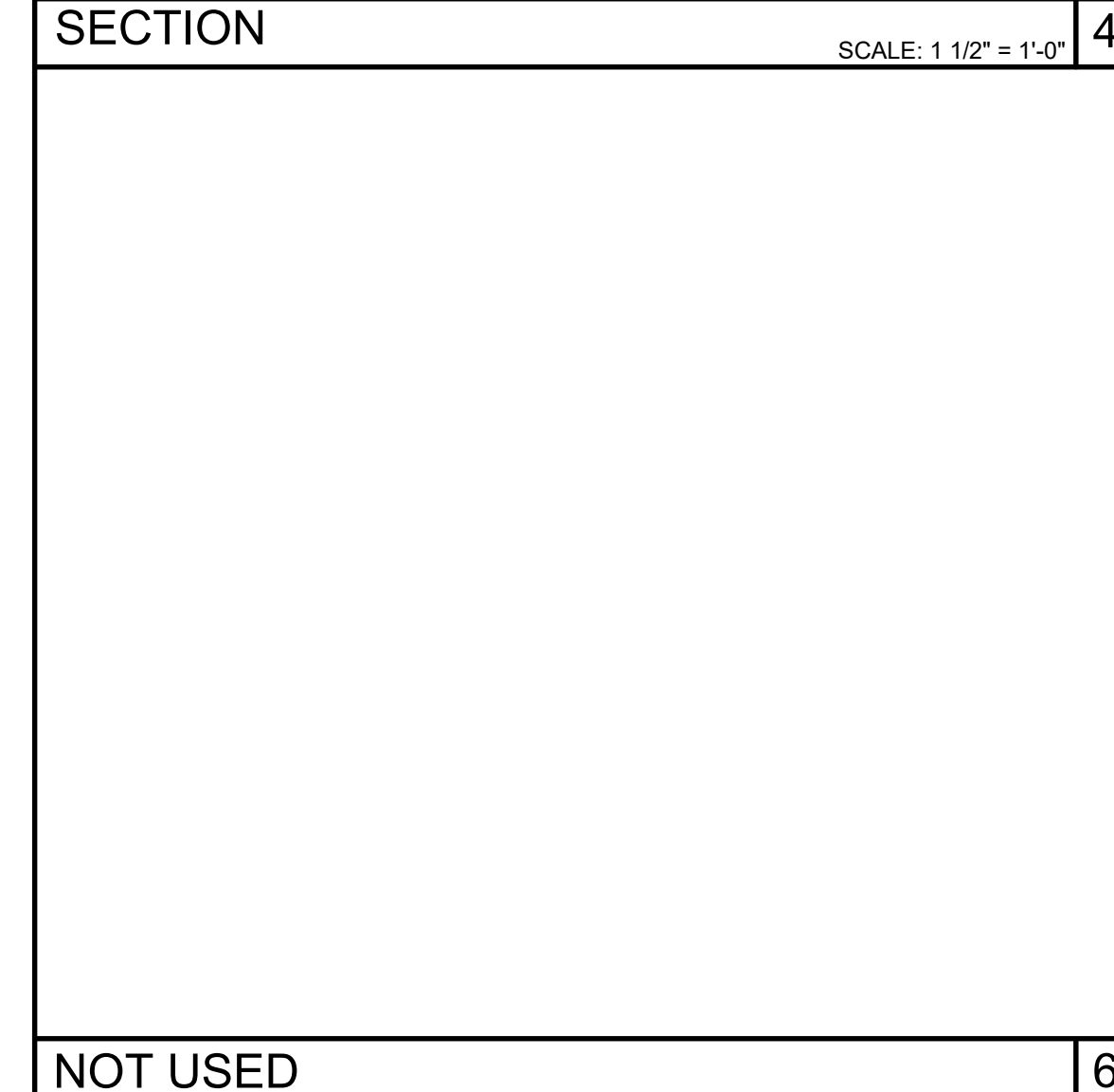
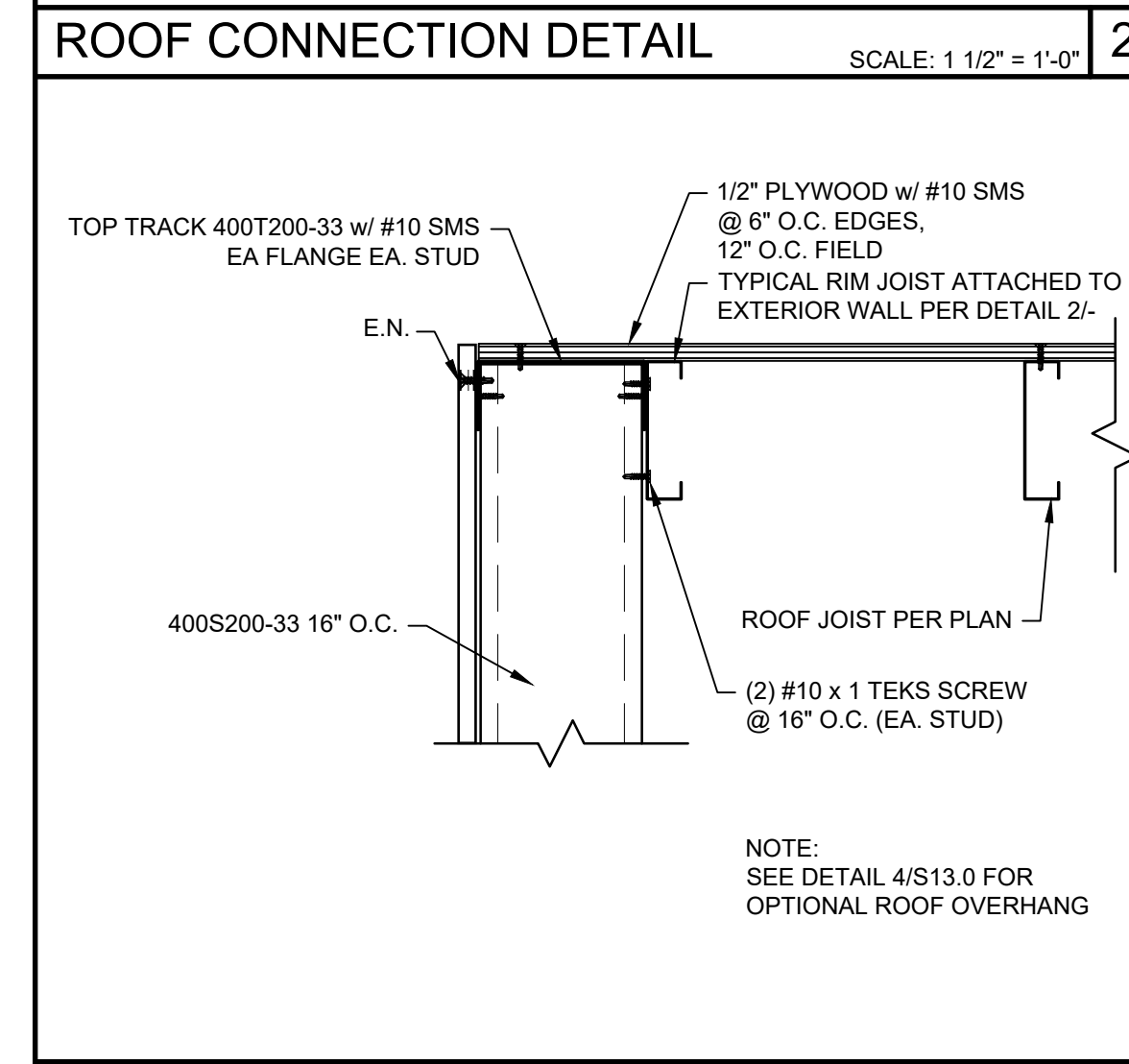
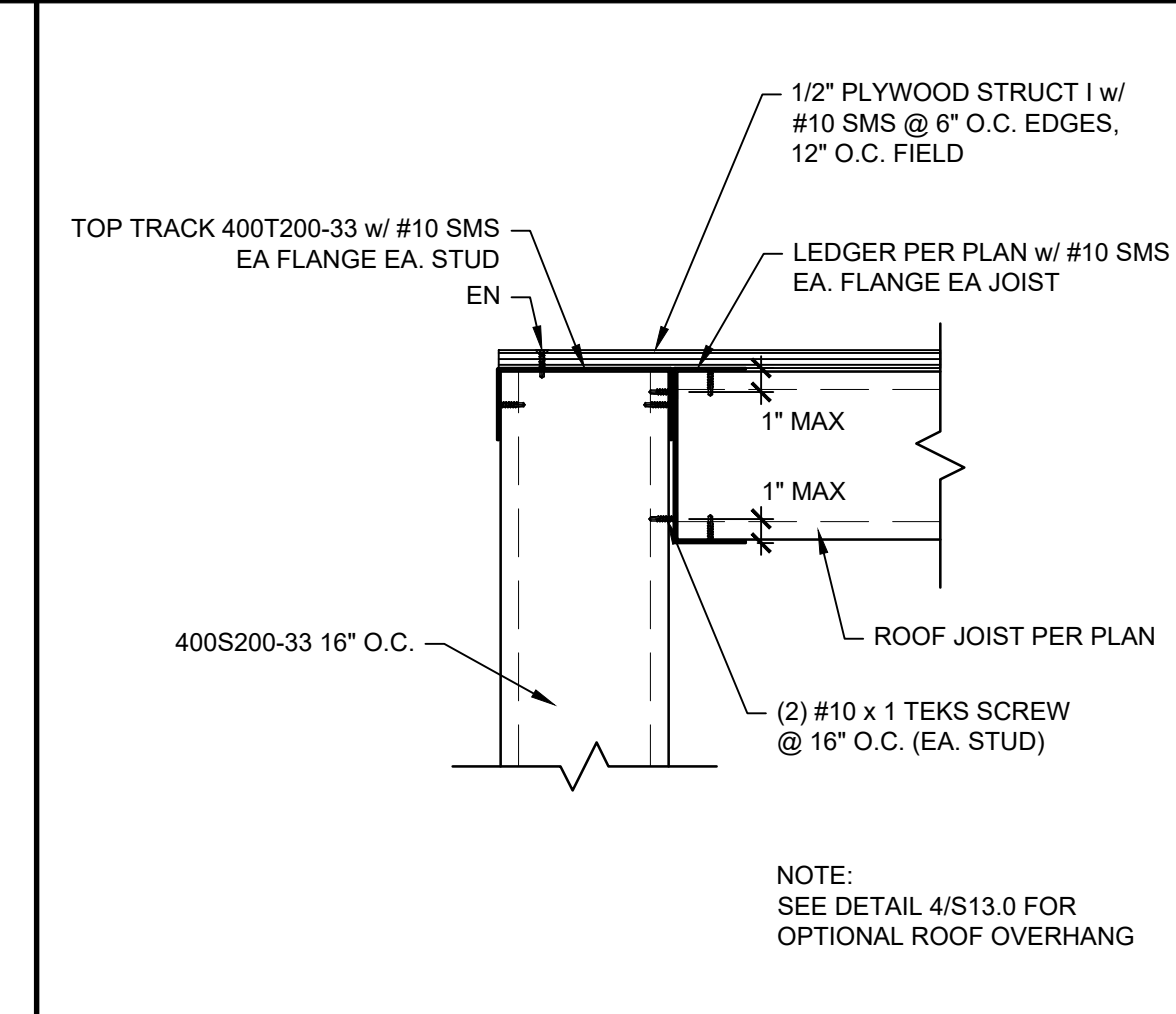
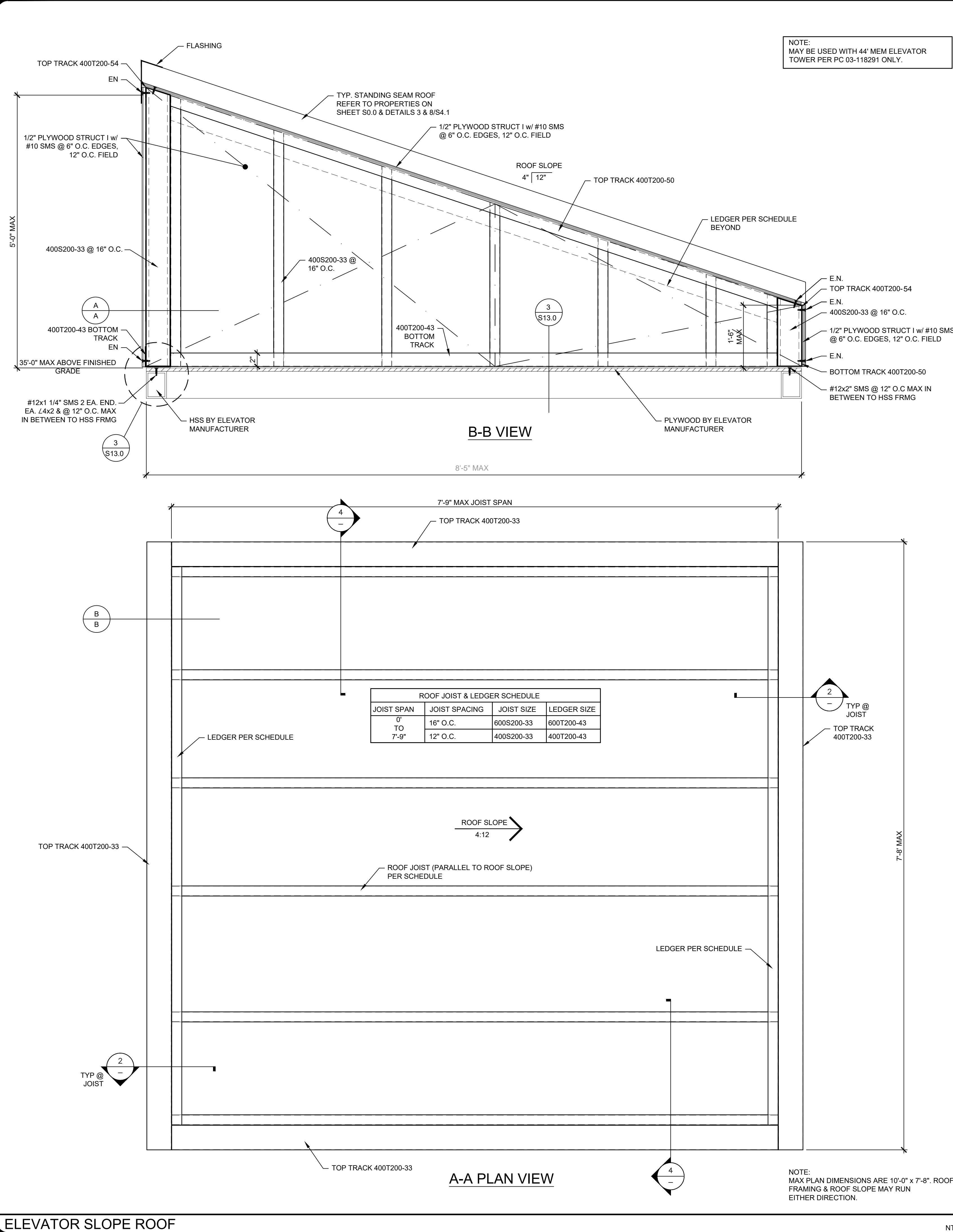
09/20/2021
RST#20203

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REVISIONS

DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE:
SKYWALK DETAILS

SHEET NUMBER:
S12.1



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-121419 INC.
REVIEWED FOR
SS FLS ACS
DATE: 09/29/2021

AMS
American Modular Systems
787 Spreckels Ave.,
Manteca, CA 95336
Phone (209) 825-1921
Fax (209) 825-7018
www.americanmodular.com

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SET NAME
(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

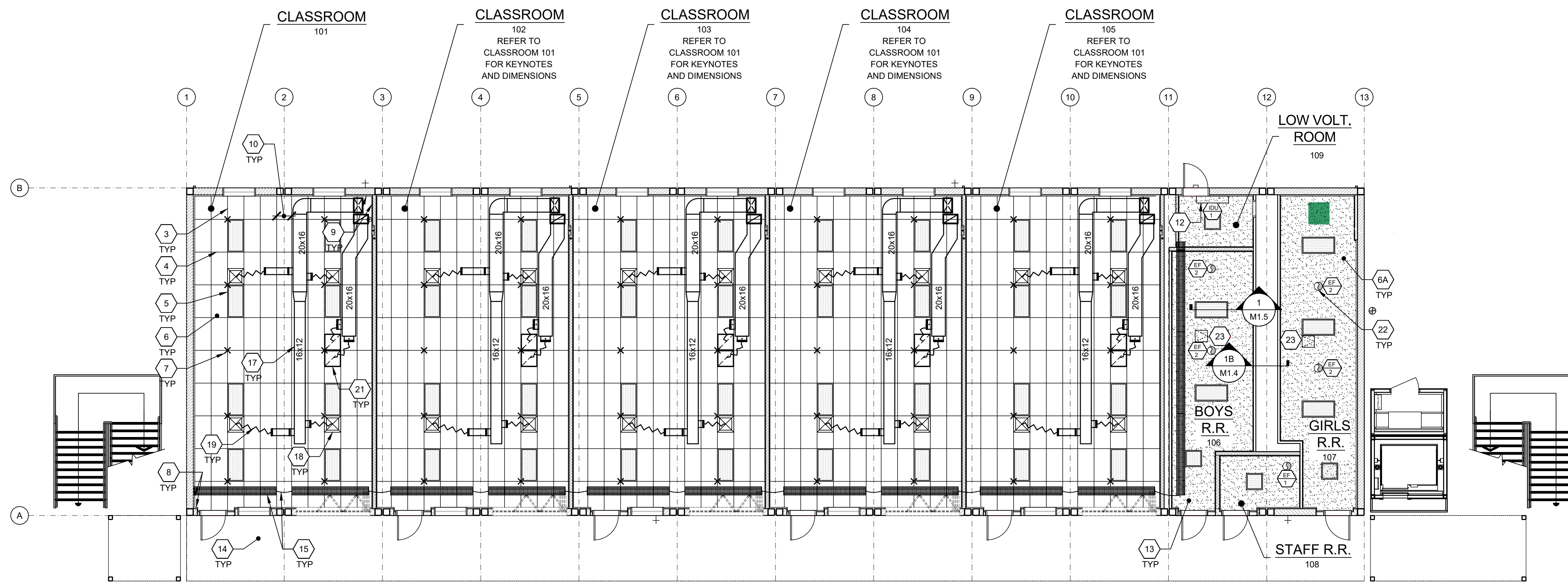
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No. C12631
Ren. 3-31-23

No. 53380
Ren. 09/20/2021
RST#20203
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REVISIONS

DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE:
ELEVATOR SLOPE ROOF FRAMING DETAILS
(FOR 44' MEM ELEVATOR TOWER PER PC 03-118291 ONLY)
SHEET NUMBER:
S13.0



- 1 NOT USED
- 2 THERMOSTAT (BY OTHERS)
- 3 MAIN RUNNER TYP.
- 4 CROSS RUNNER TYP.
- 5 INTERIOR LIGHT FIXTURE, REFER TO SHEET SHEET E1.0 FOR SPECS
- 6 CEILING HEIGHT @ 9'-0"
- 6A CEILING HEIGHT @ 8'-6" AT RESTROOMS
- 7 SPLAY WIRE BRACING ASSEMBLY, SEE 3/M1.4 FOR DETAILS
- 8 FIXED CEILING END
- 9 FREE CEILING END
- 10 CENTER SECTION THAT CROSSES MODULE LINE TO BE FIELD INSTALLED
- 11 NOT USED
- 12 MINI - SPLIT HVAC AIR HANDLER
- 13 GYPSUM BOARD CEILING PER DETAIL 1/M1.5
- 14 STUCCO AT SOFFIT
- 15 CABLE TRAY AND CONDUIT ABOVE CEILING PER A/E1.1
- 16 NOT USED
- 17 CONCEALED SUPPLY RIGID AIR DUCT ABOVE T-BAR CEILING - SEE 10/M1.4
- 18 TYPICAL 4-WAY SUPPLY AIR REGISTER PER CEILING LAYOUT AND BUILDING SIZE - SEE 3/M1.5
- 19 FLEX DUCT - 5'-0" MAX - SEE PLAN FOR SIZES
- 20 NOT USED
- 21 RETURN AIR REGISTER - SEE 3/M1.5
- 22 EXHAUST FANS
- 23 ACCESS PANEL (SEE E2.4 FOR LOCATION OF HEAT DETECTOR ABOVE CEILING)

KEY NOTES

- MEP COMPONENT ANCHORAGE NOTES**
- 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 2019 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30.
- ALL PERMANENT EQUIPMENT AND COMPONENTS.
 - TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
 - TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCE 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 NOTES

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 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

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

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

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-121419 INC:
REVIEWED FOR
SS FLS ACS
DATE: 09/29/2021

AMS
American Modular Systems
787 Spreckels Ave.,
Manteca, CA 95336
Phone (209) 825-1921
Fax (209) 825-7018
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SITE NAME
(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC

Patrick Canino
LICENSED ARCHITECT
No. C12631
Ren. 3-31-23
STATE OF CALIFORNIA

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REVISIONS

DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO.: 1614-20
SHEET TITLE:

REFLECTED CEILING/ MECHANICAL PLAN GROUND FLOOR

SHEET NUMBER:

M1.0

TYPICAL GROUND FLOOR REFLECTED CEILING PLAN

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

1

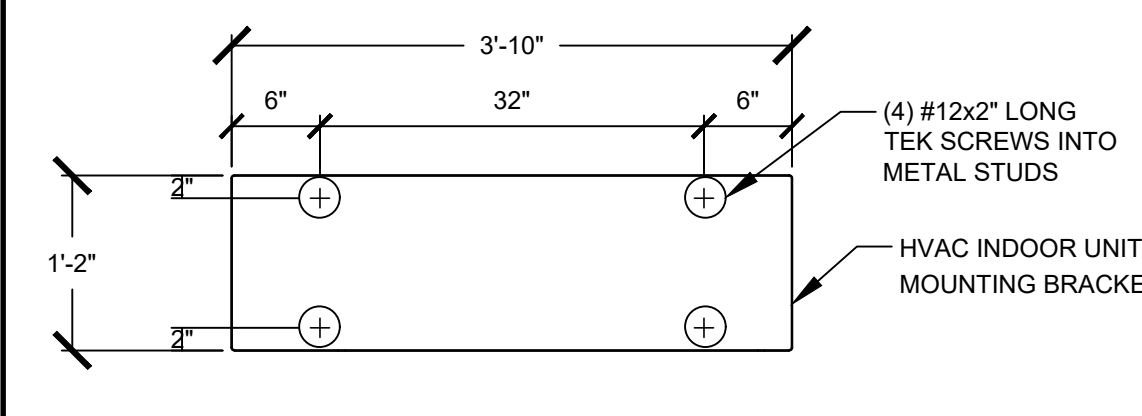
MARK	DESCRIPTION	CFM	WATTS	S.P.	VOLT/PH	NOTES
EF 1	EXHAUST FAN	110	47.3	.10"	120-10	NUTONE AN110 CEILING MOUNTED 180W INPUT 10 LBS (OR EQUAL)
EF 2	EXHAUST FAN	210	127	.125"	120-10	BROAN L200 CEILING MOUNTED 180W INPUT 23 LBS (OR EQUAL)

- NOTES:**
- VENT EXHAUST FAN THROUGH ROOF.
 - FANS MUST WEIGH LESS THAN 75 LBS.

EXHAUST FAN SCHEDULE

SPLIT-SYSTEM HVAC SCHEDULE						
MARK	DESCRIPTION	TONS	VOLT/PHASE	MODEL	WEIGHT	ANCHORAGE DETAIL
IDU 1	WALL MOUNTED INDOOR UNIT	1.5	208/230 - 1Ø	CARRIER 40MAHQ12XA3	25.0 LBS	A/-
ODU 1	ROOF MOUNTED OUTDOOR UNIT	1	208/230 - 1Ø	CARRIER 38MARBQ12AA3	80.0 LBS	11 & 12/A2.1

HVAC SCHEDULE



SPLIT SYSTEM MOUNTING DETAIL-INDOOR UNIT

- AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN ALL OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE DIRECT ACCESS TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. PER CMC 608 EXCEPTION #2.
- LIGHTING FIXTURE MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.

GENERAL NOTES

MEP COMPONENT ANCHORAGE NOTES

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-121419 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 09/29/2021



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SET NAME
 (1) 144'x40' 2 STORY
 CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
 GLENDALE USD
 MONTE VISTA
 ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC



THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

REVISIONS

DRAWN BY: AH
 SCALE: AS NOTED
 DATE: 07/05/21
 PROJECT NO: 1614-20
 SHEET TITLE:

REFLECTED CEILING/
 MECHANICAL PLAN
 UPPER FLOOR

SHEET NUMBER:

M1.1

- 1 ROOF MOUNT HVAC UNIT
- 2 THERMOSTAT (BY OTHERS)
- 3 MAIN RUNNER TYP.
- 4 CROSS RUNNER TYP.
- 5 INTERIOR LIGHT FIXTURE, REFER TO SHEET SHEET E1.0 FOR SPEC'S
- 6 CEILING HEIGHT @ 9'-0"
- 6A NOT USED
- 7 SPLAY WIRE BRACING ASSEMBLY, SEE 3/M1.4 FOR DETAILS
- 8 FIXED CEILING END
- 9 FREE CEILING END
- 10 CENTER SECTION THAT CROSSES MODULE LINE TO BE FIELD INSTALLED
- 11 UTILITY CHASE WALL ENCLOSURE
- 12 NOT USED
- 13 GYPSUM BOARD CEILING PER DETAIL 1/M1.4
- 14 STUCCO AT SOFFIT
- 15 CABLE TRAY AND CONDUIT ABOVE CEILING PER A/E1.1
- 16 ACCESS HATCH
- 17 CONCEALED SUPPLY RIGID AIR DUCT ABOVE T-BAR CEILING - SEE 10/M1.4
- 18 TYPICAL 4-WAY SUPPLY AIR REGISTER PER CEILING LAYOUT AND BUILDING SIZE - SEE 3/M1.5
- 19 FLEX DUCT - 5'-0" MAX - SEE PLAN FOR SIZES
- 20 RETURN AIR AS PART OF UNIT
- 21 RETURN AIR REGISTER - SEE 3/M1.5
- 22 EXHAUST FAN

KEY NOTES

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

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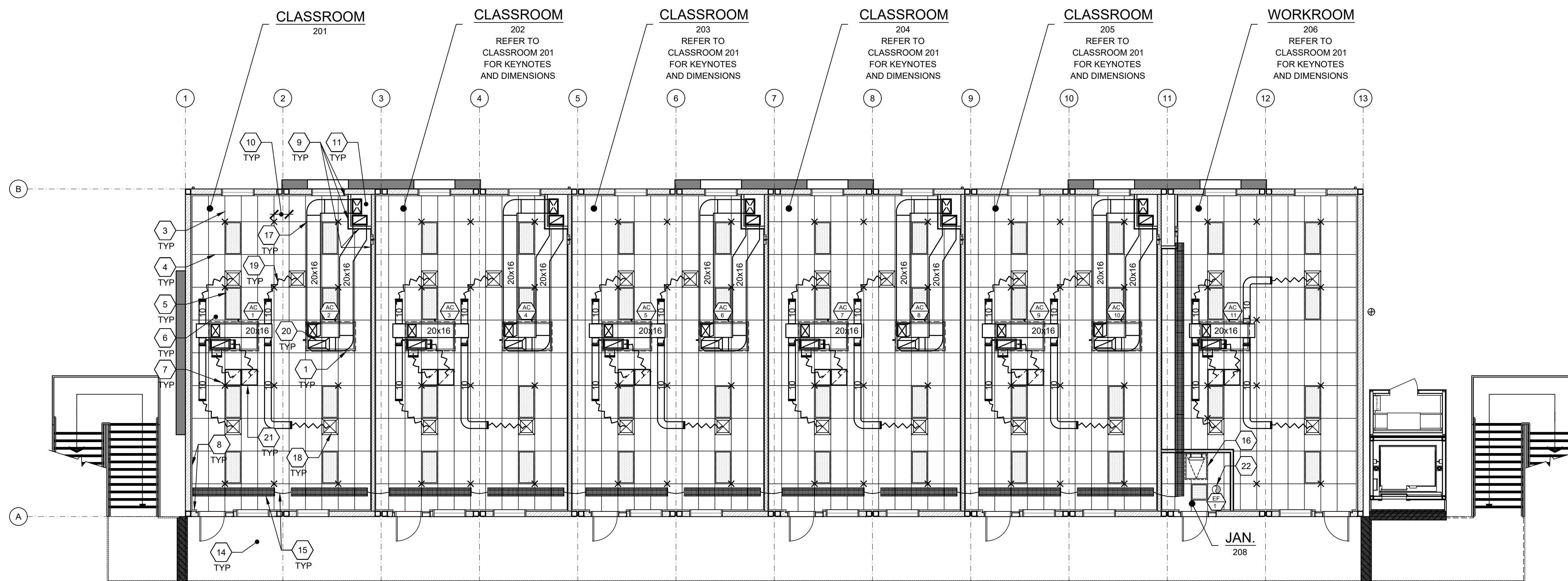
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MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E);

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



TYPICAL UPPER FLOOR REFLECTED CEILING PLAN

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

MARK	DESCRIPTION	CFM	WATTS	S.P.	VOLT/PH	NOTES
EF 1	EXHAUST FAN	110	47.3	.10"	120-1Ø	NUTONE AN110 CEILING MOUNTED 180W INPUT 10 LBS (OR EQUAL)

- NOTES:
- VENT EXHAUST FAN THROUGH ROOF.
 - FANS MUST WEIGH LESS THAN 75 LBS.

MARK	DESCRIPTION	TONS	VOLT/PHASE	MODEL	WEIGHT
AC 1 THRU AC 11	ROOF MOUNTED AIR CONDITIONER	4	230/2Ø - 1Ø	CARRIER 48GCLM05	559.0 LBS.

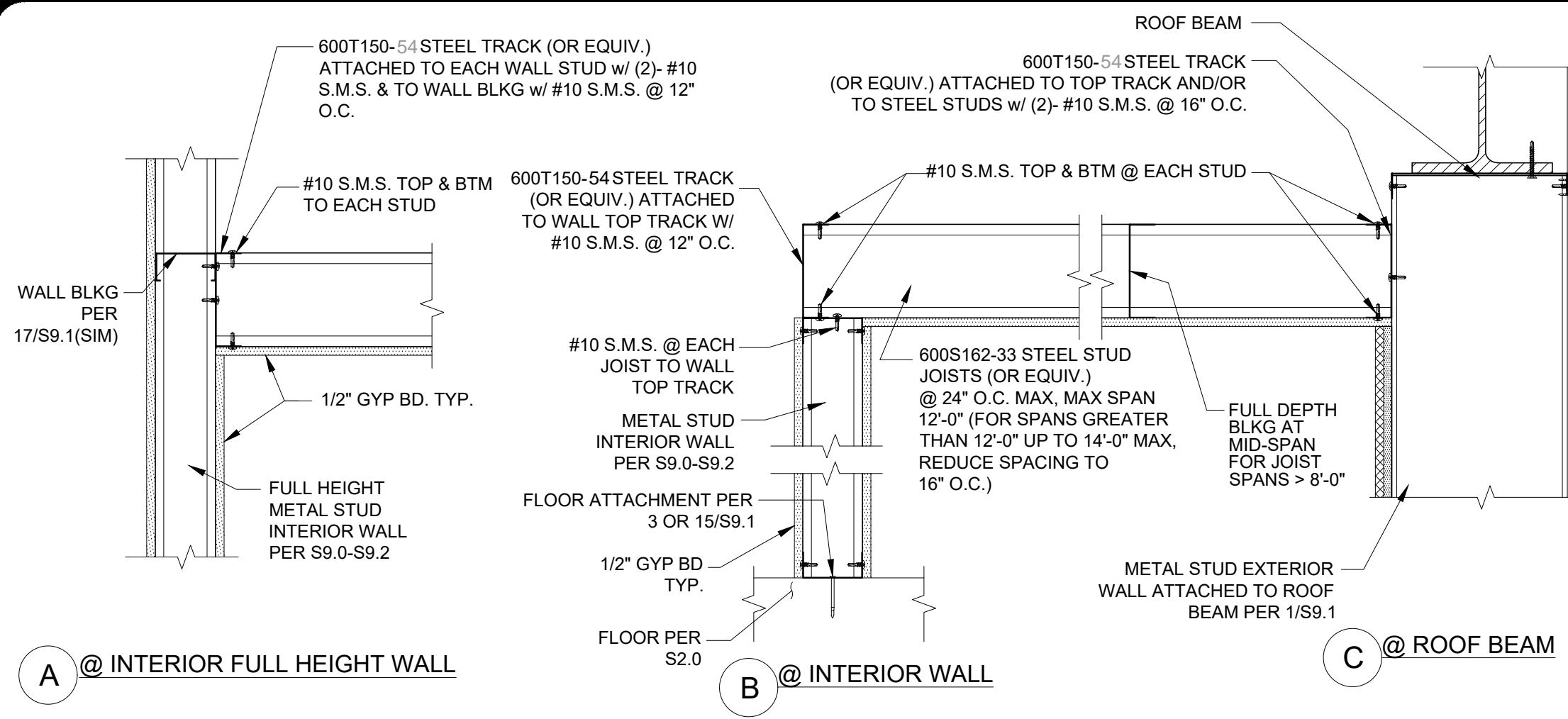
- AUTOMATIC SHUT-OFF IS NOT REQUIRED WHEN ALL OCCUPIED ROOMS SERVED BY THE AIR HANDLING EQUIPMENT HAVE DIRECT ACCESS TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FT. PER CMC 608 EXCEPTION #2.
- LIGHTING FIXTURE MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-GRID.

EXHAUST FAN SCHEDULE

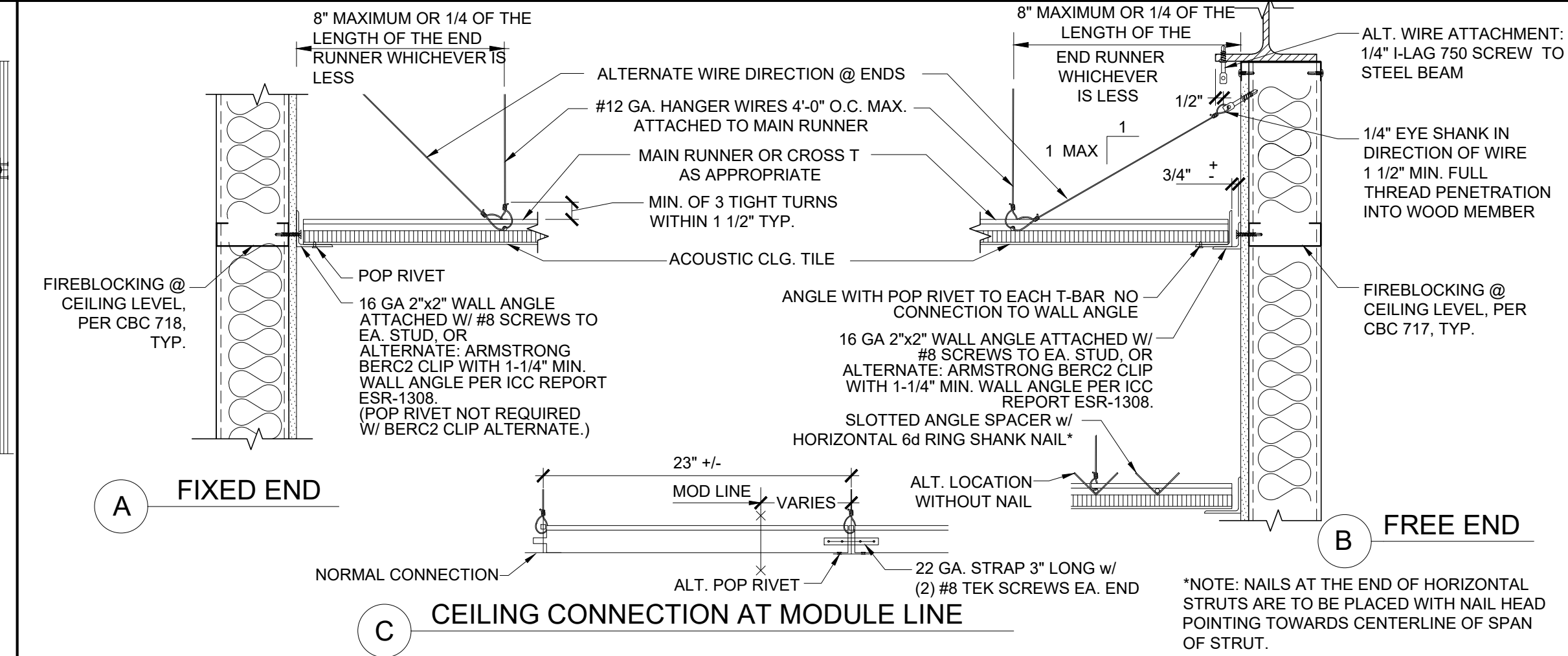
HVAC SCHEDULE

GENERAL NOTES

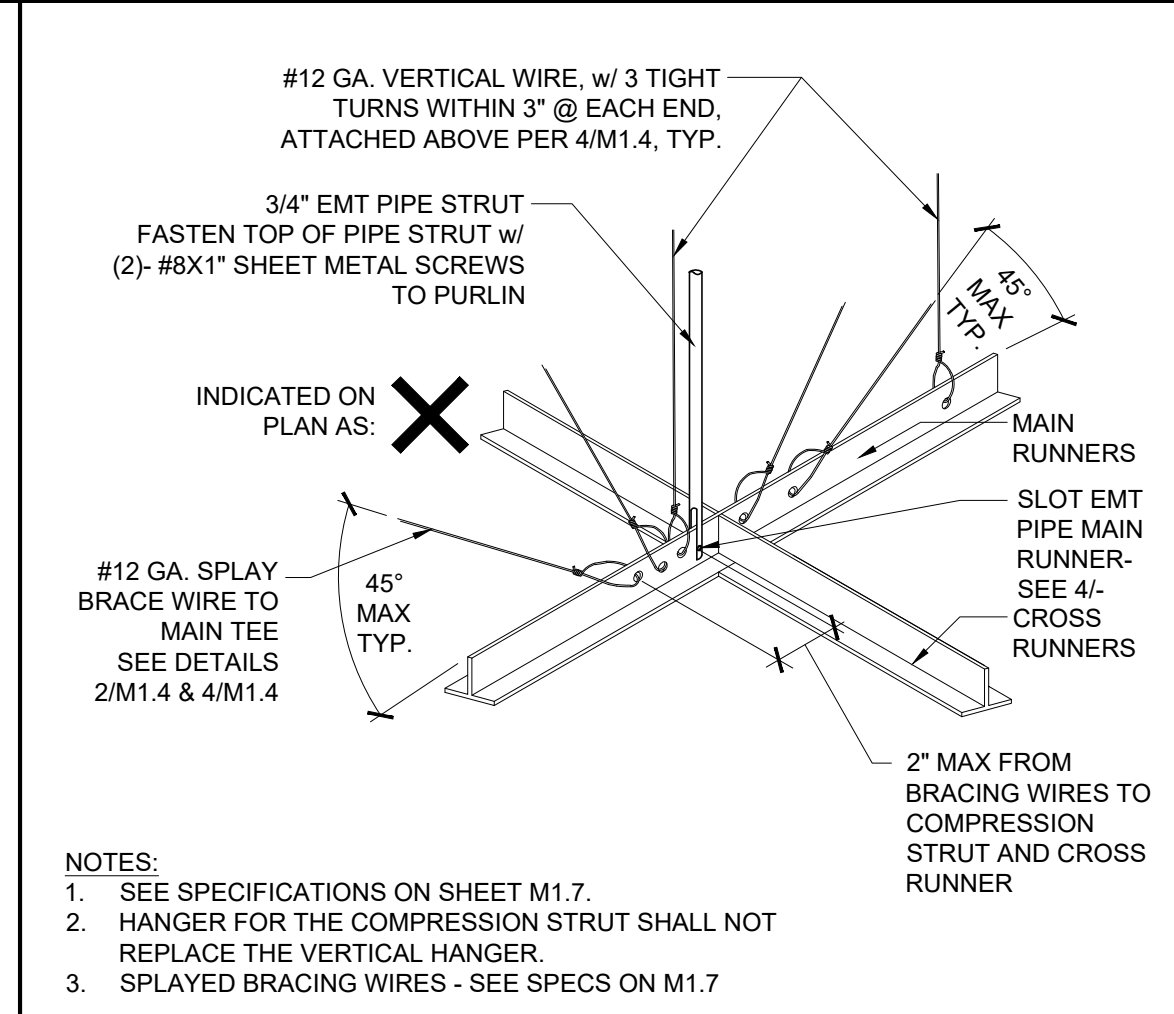
MEP COMPONENT ANCHORAGE NOTES



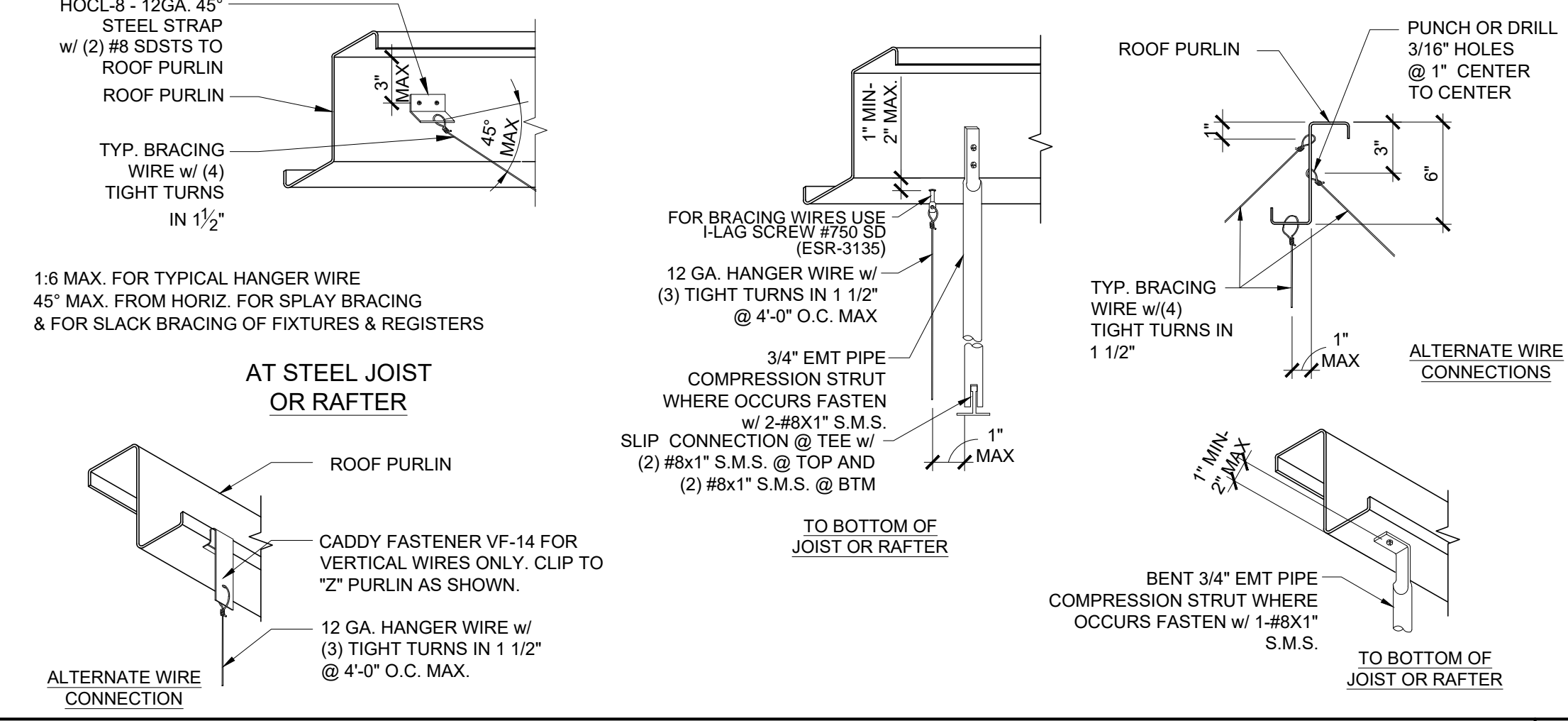
GYP SUM BOARD CEILING DETAIL w/STEEL STUDS



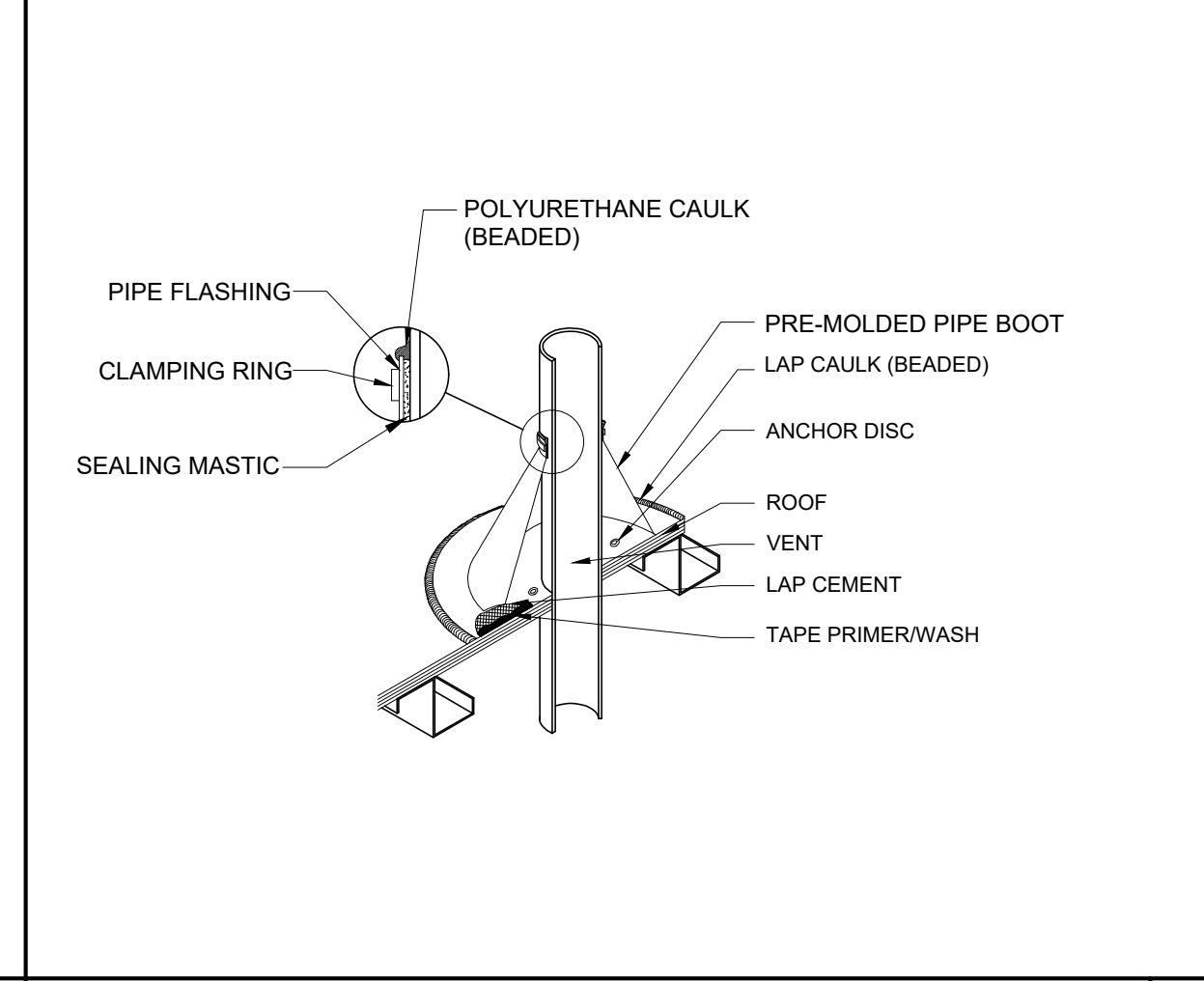
CEILING ATTACHMENTS DETAILS



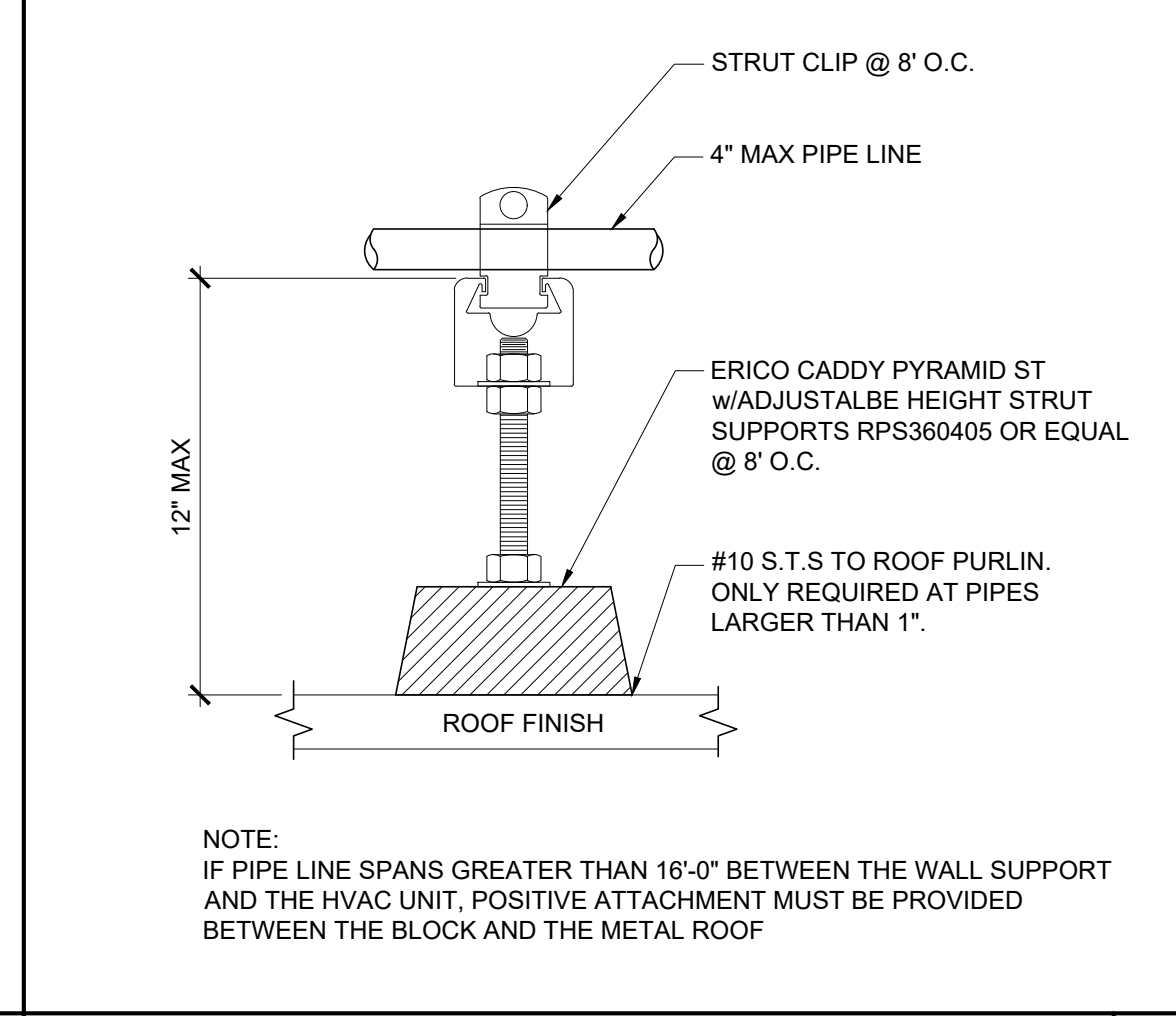
SPLAY WIRE DETAIL



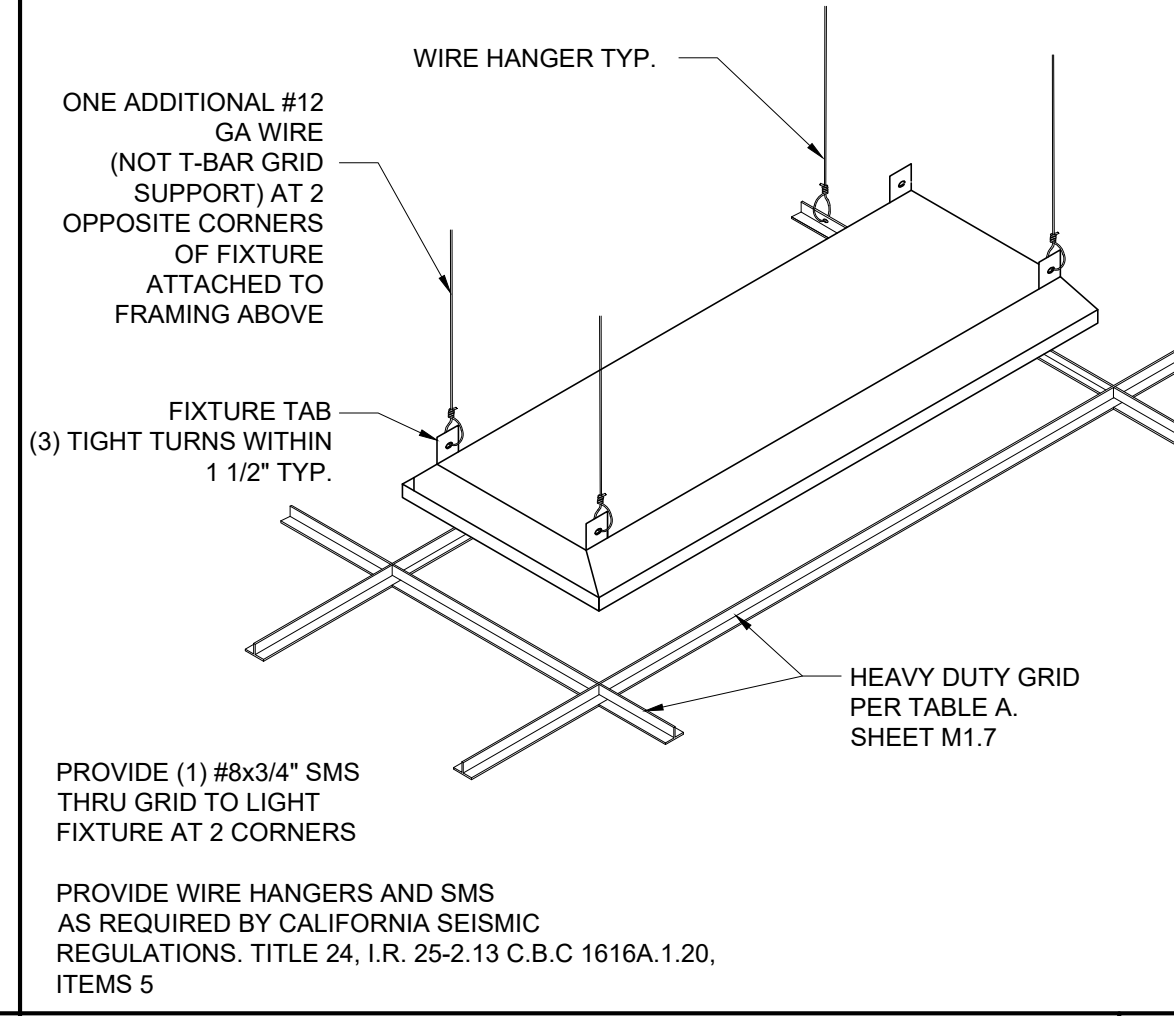
CONNECTION TO PURLINS DETAIL



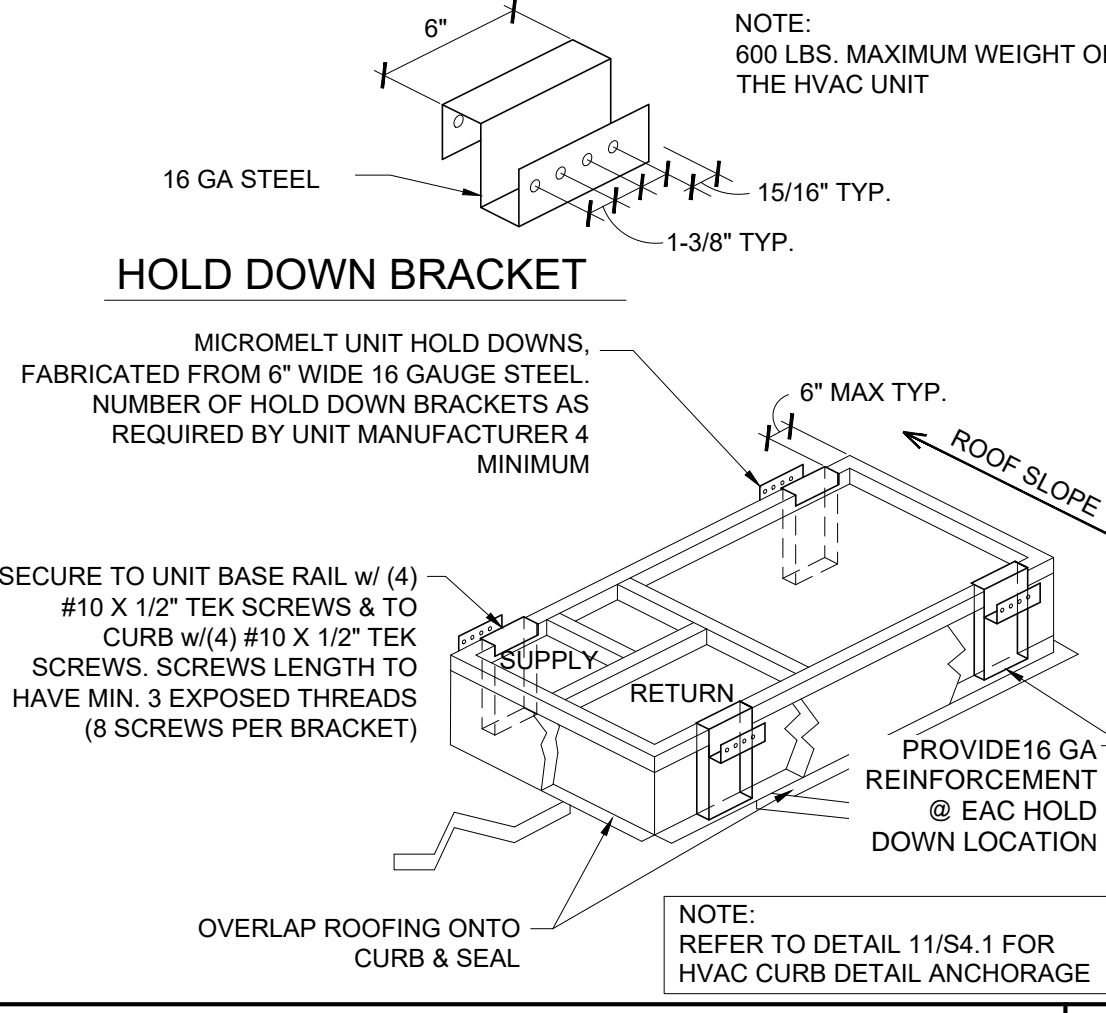
ROOF PENETRATION DETAIL



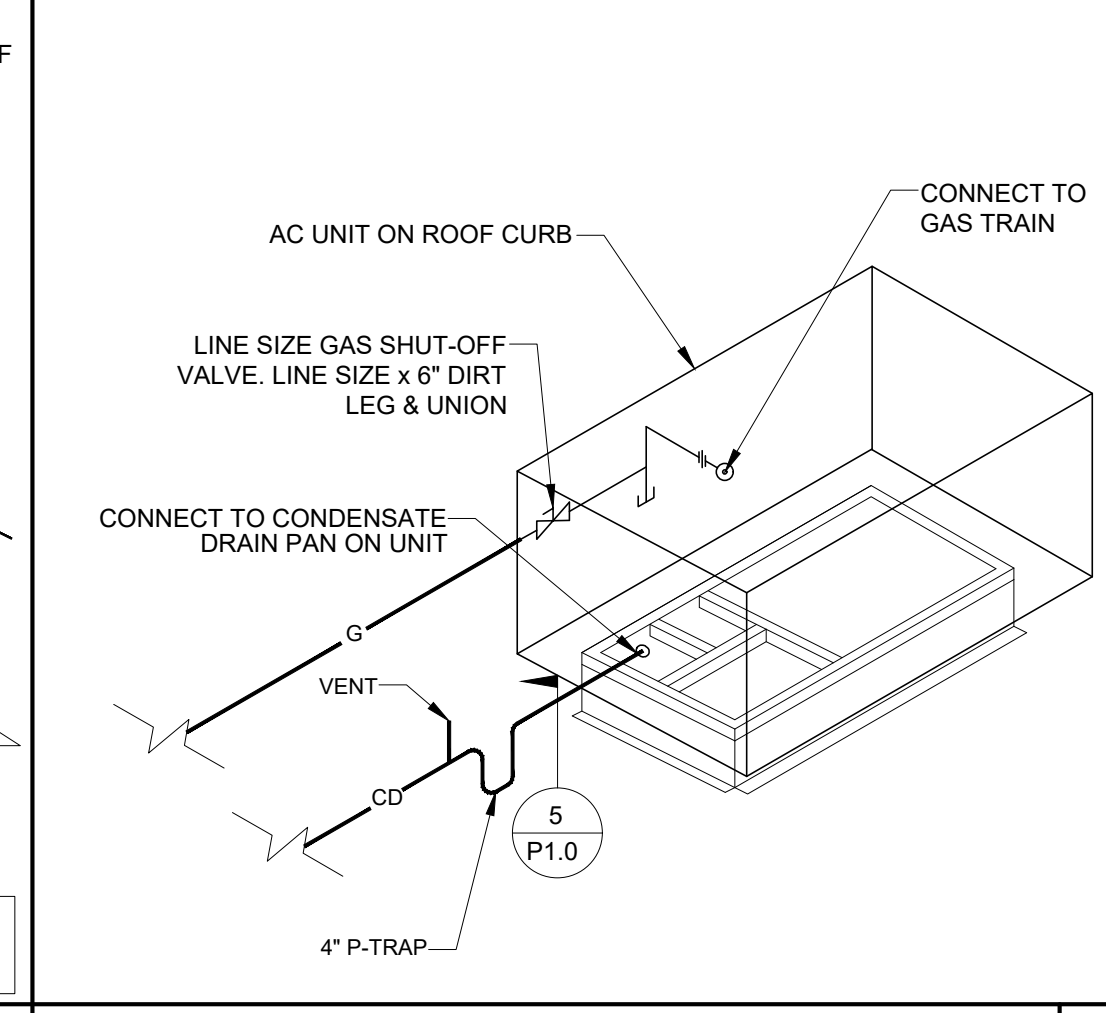
PIPE SUPPORT DETAIL



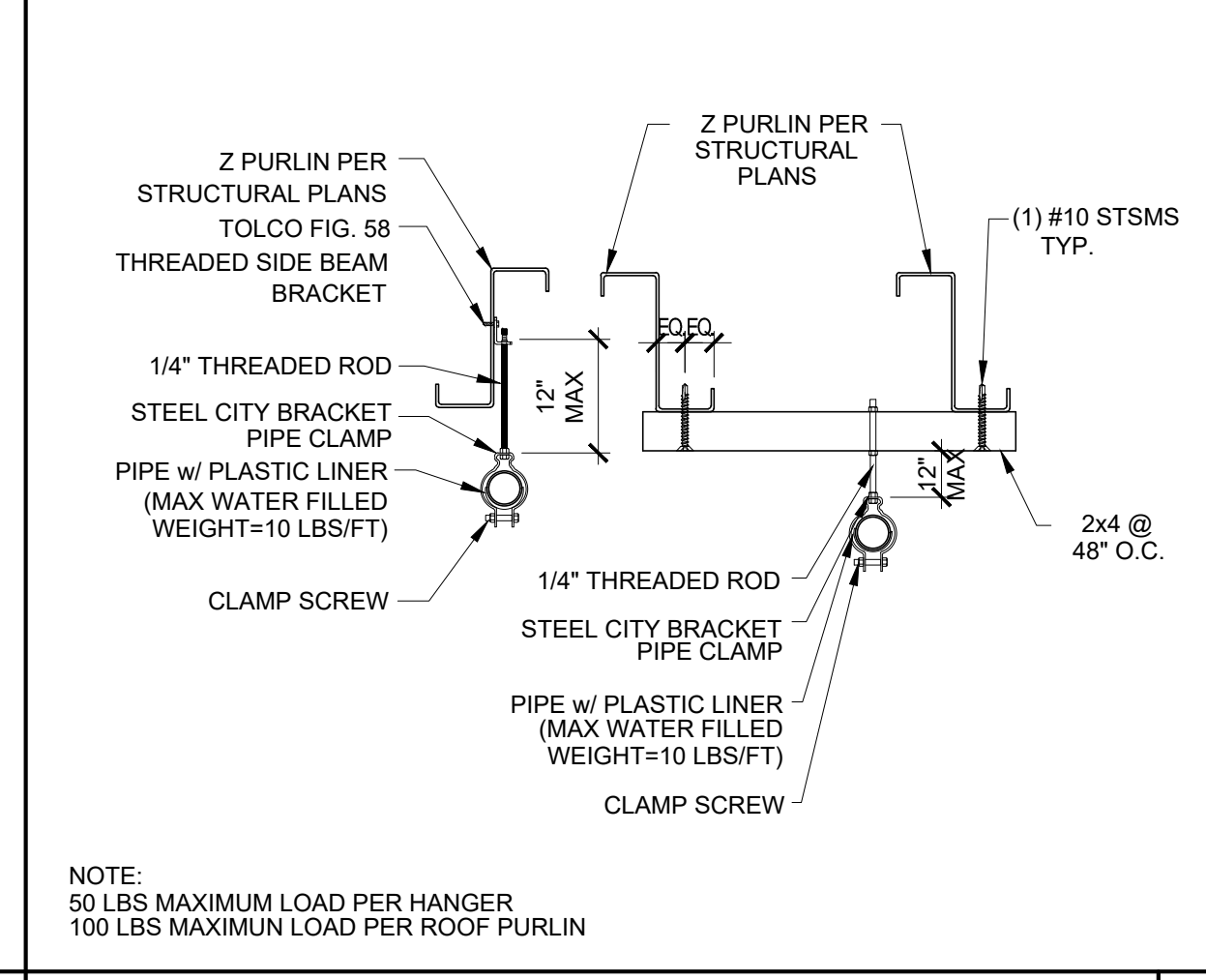
LIGHT FIXTURE ATTACH. DETAIL



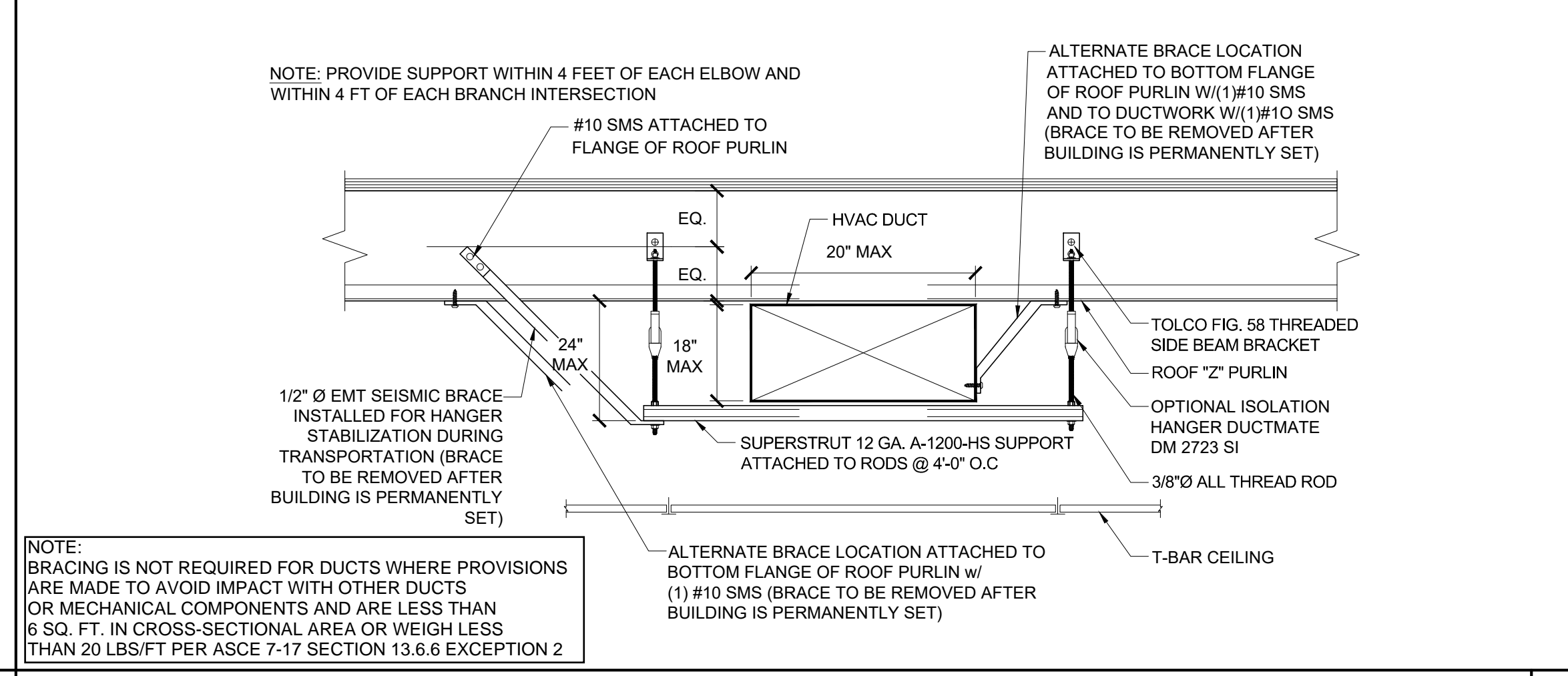
HOLD DOWN BRACKET



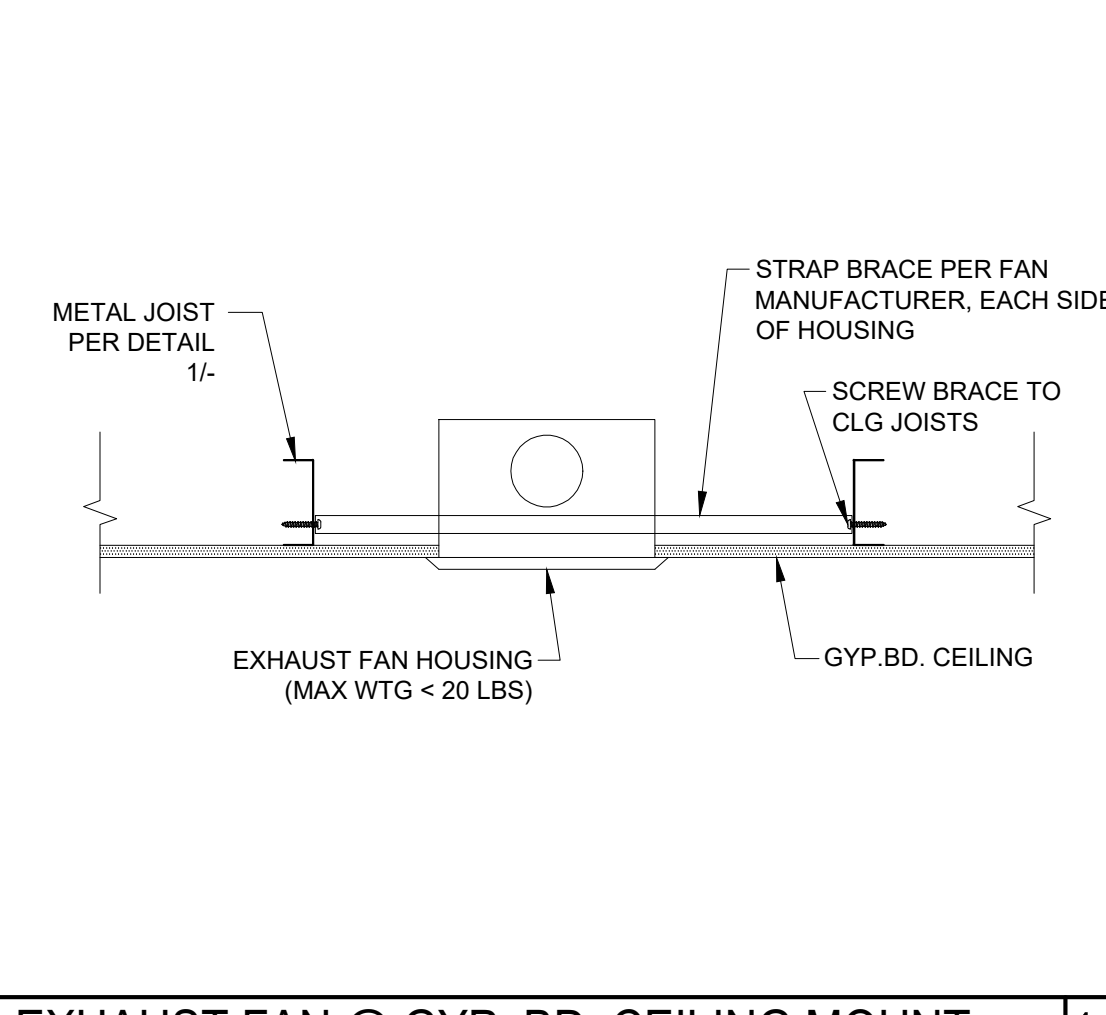
ROOF CURB ELEVATION



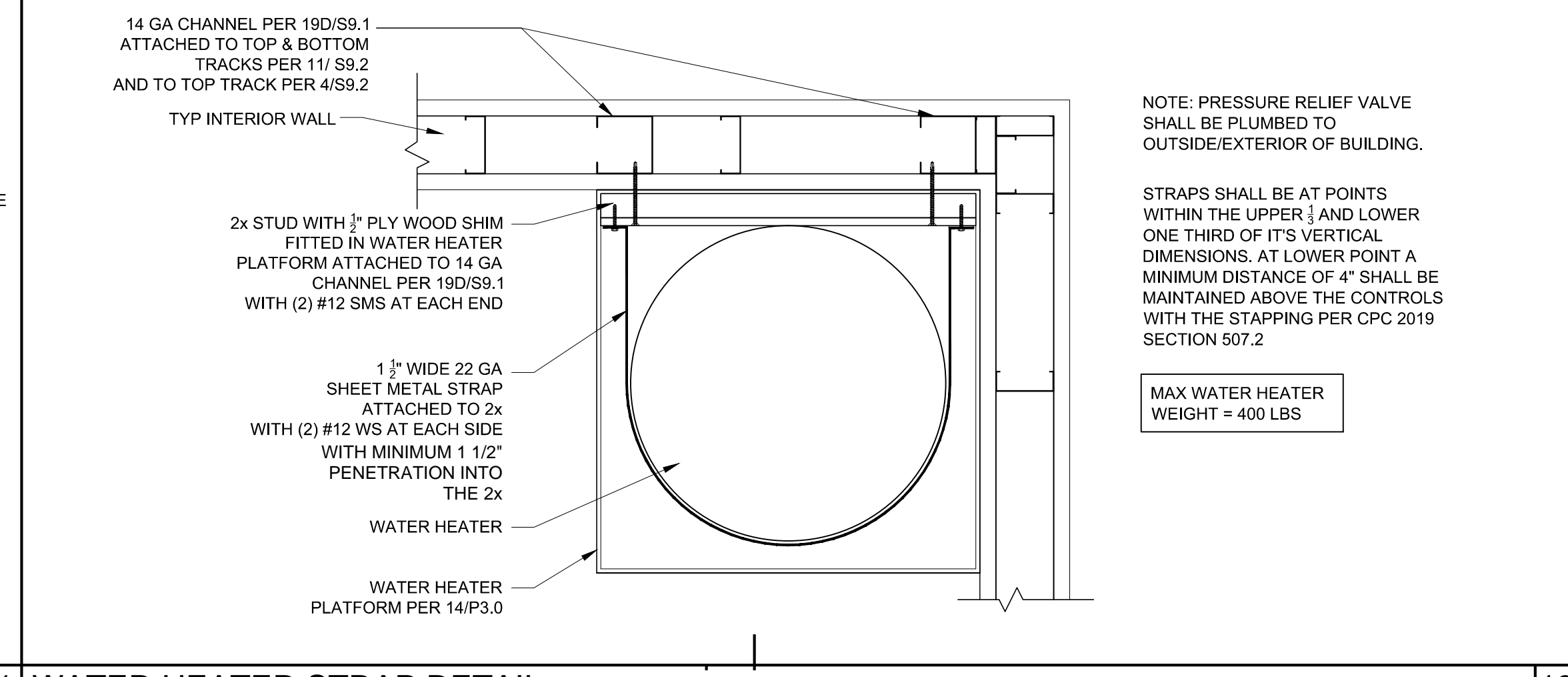
PIPING DETAIL



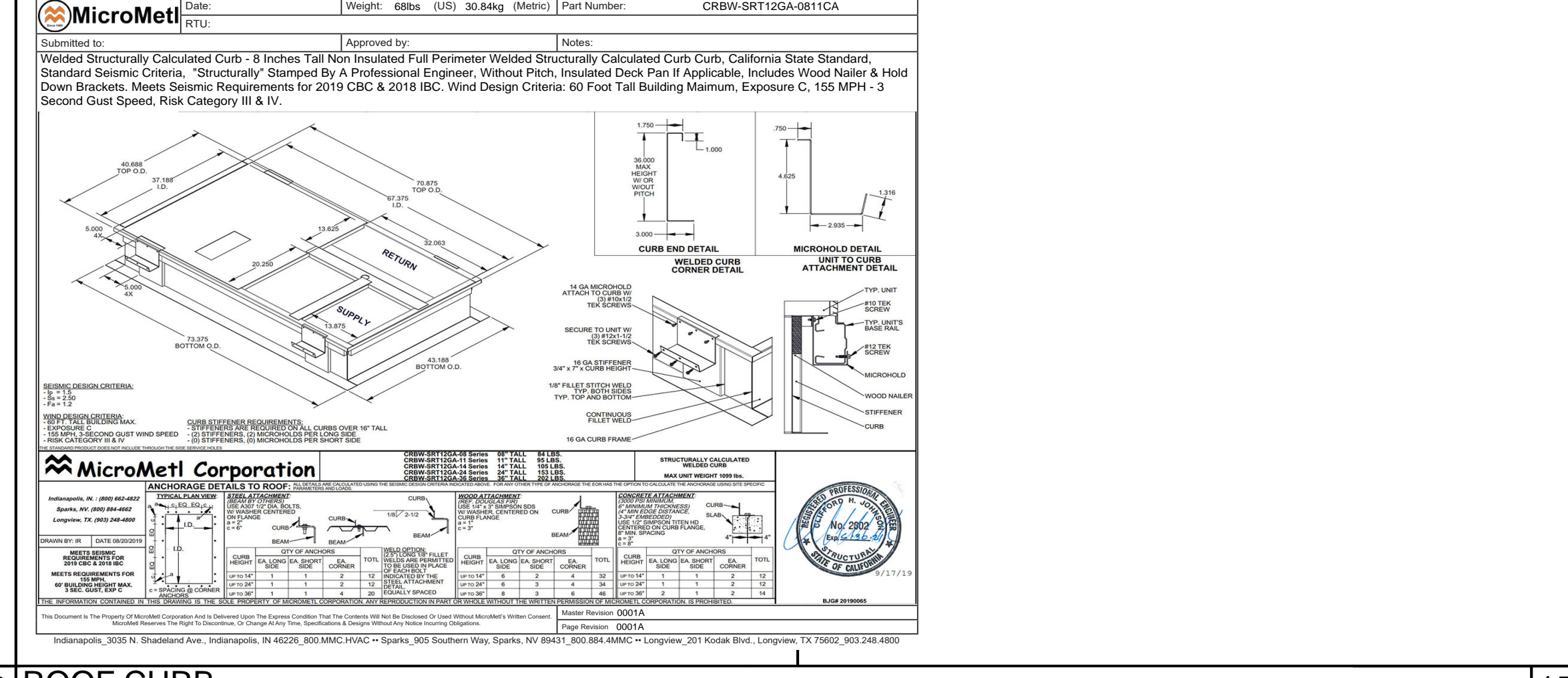
DUCTWORK SUPPORT DETAIL



EXHAUST FAN @ GYP. BD. CEILING MOUNT



WATER HEATER STRAP DETAIL



ROOF CURB

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APP: 03-121419 INC.
REVIEWED FOR
SS FLS ACS
DATE: 09/29/2021

AMS
American Modular Systems
787 Spreckels Ave.,
Manteca, CA 95336
Phone (209) 825-1921
Fax (209) 825-7018
www.americanmodular.com

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SET NAME
(1) 144'x40' 2 STORY CLASSROOM BUILDING

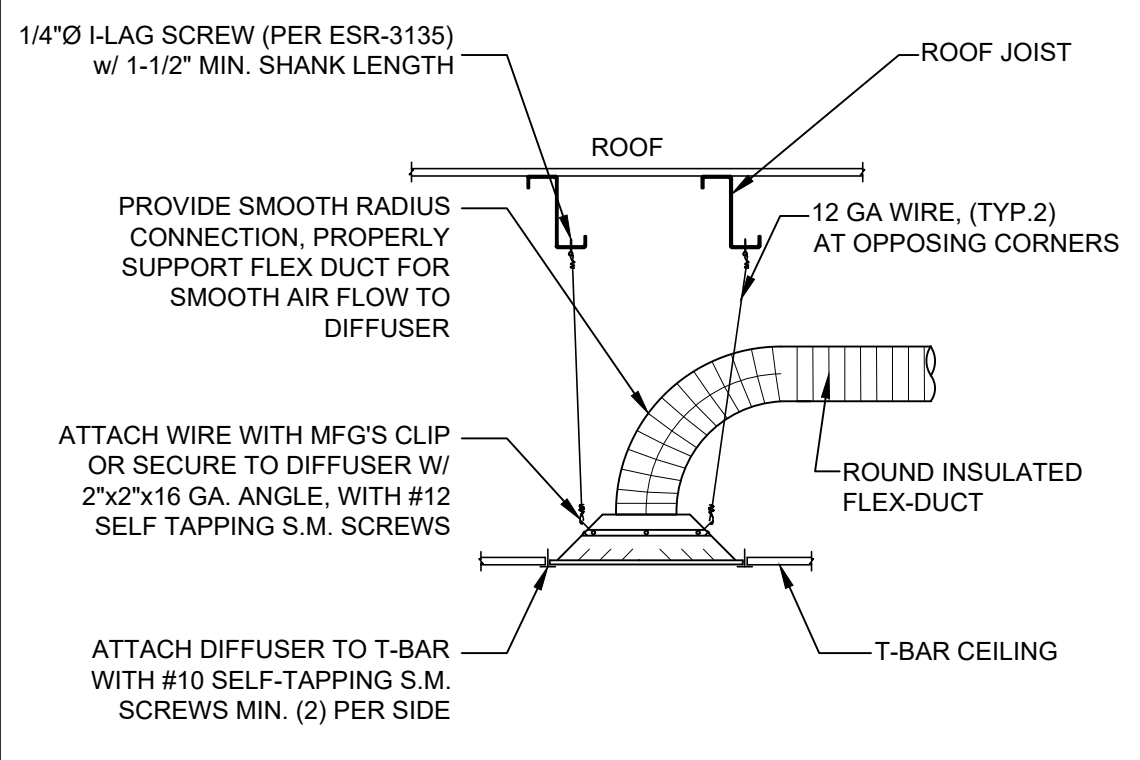
SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC
Michael J. Murphy
LICENSED ARCHITECT
No. C12631
Ren. 3-31-23
STATE OF CALIFORNIA

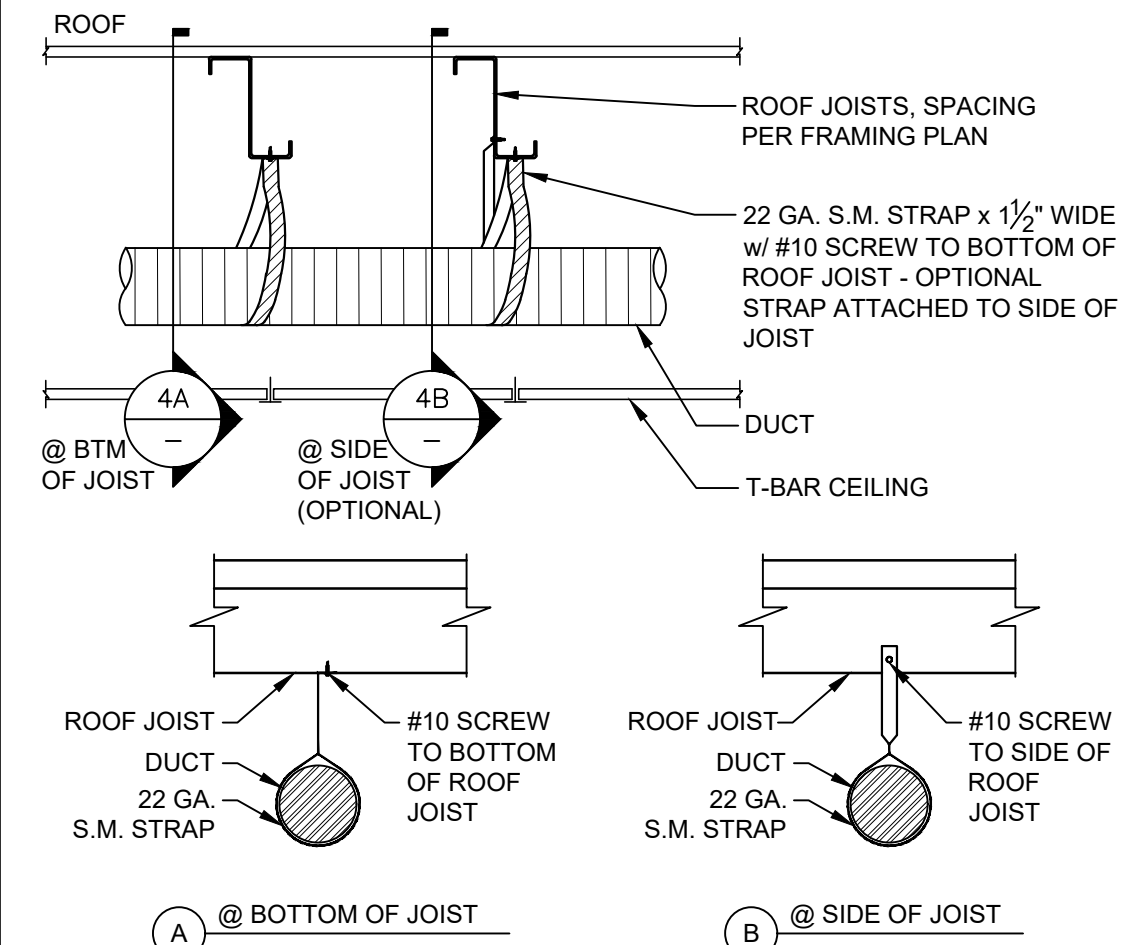
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REVISIONS

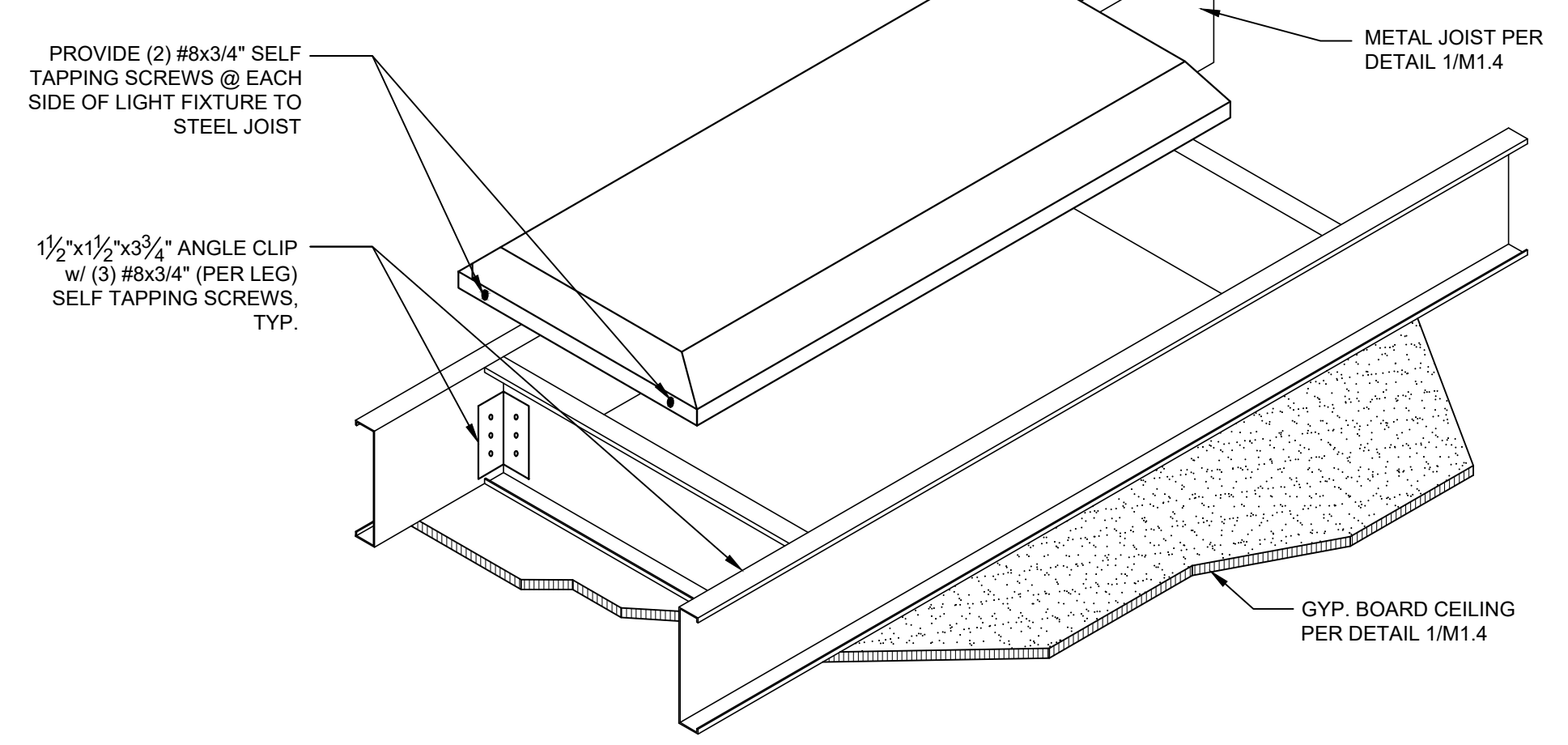
DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE:
HVAC BUILDING SECTION AND DETAILS
SHEET NUMBER:



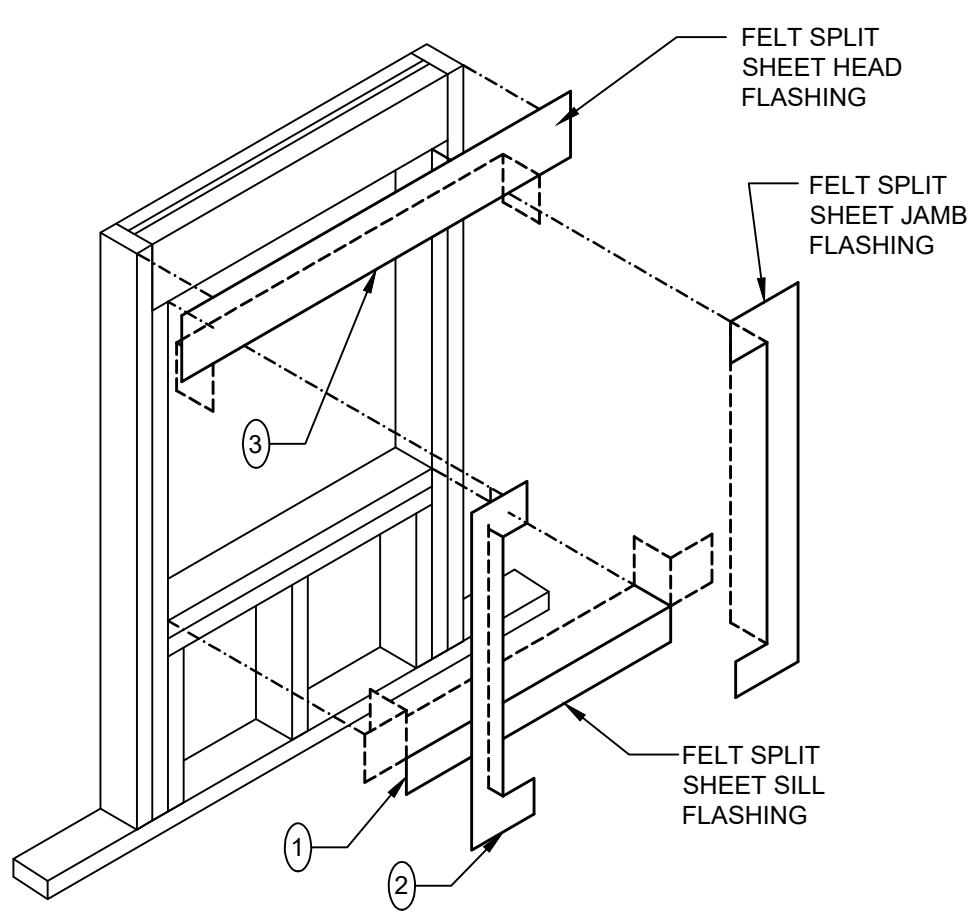
SUPPLY - RETURN DIFFUSER MOUNTING DETAIL SCALE: N.T.S. 3



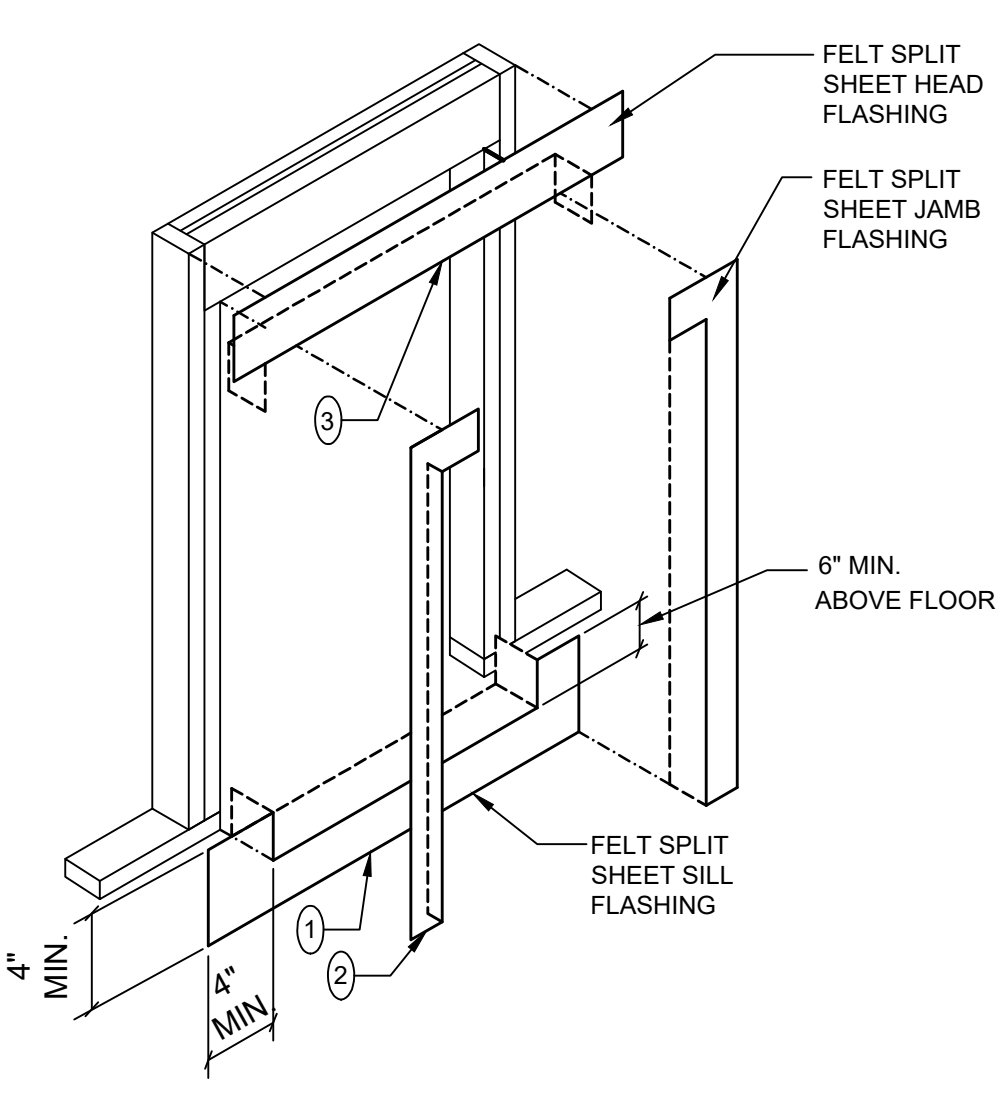
FLEX DUCTING SUPPORT DETAIL SCALE: N.T.S. 4



LIGHT FIXTURE ATTACHMENT DETAIL w/ METAL STUDS GYPSUM BOARD CEILING OPTION SCALE: N.T.S. 1



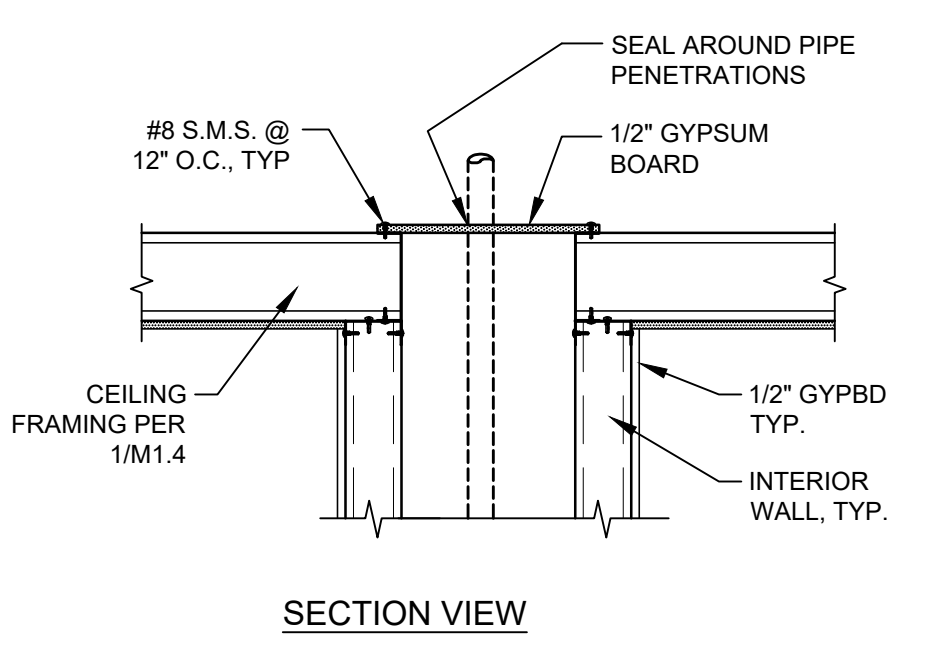
WINDOW CONDITION



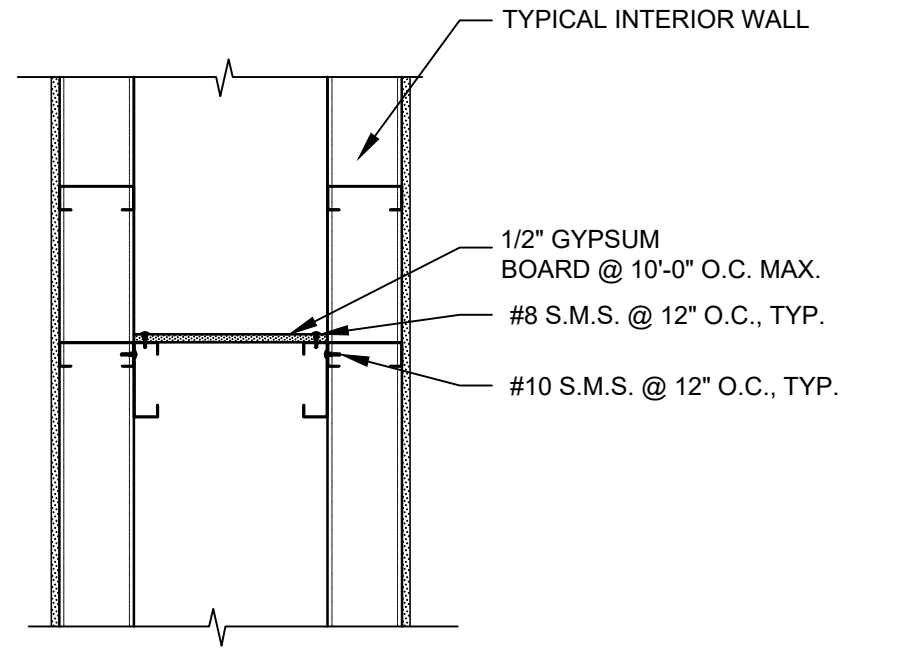
DOOR CONDITION

(#) = SEQUENCE OF ORDER

FLASHING AT WALL OPENINGS SCALE: N.T.S. 2



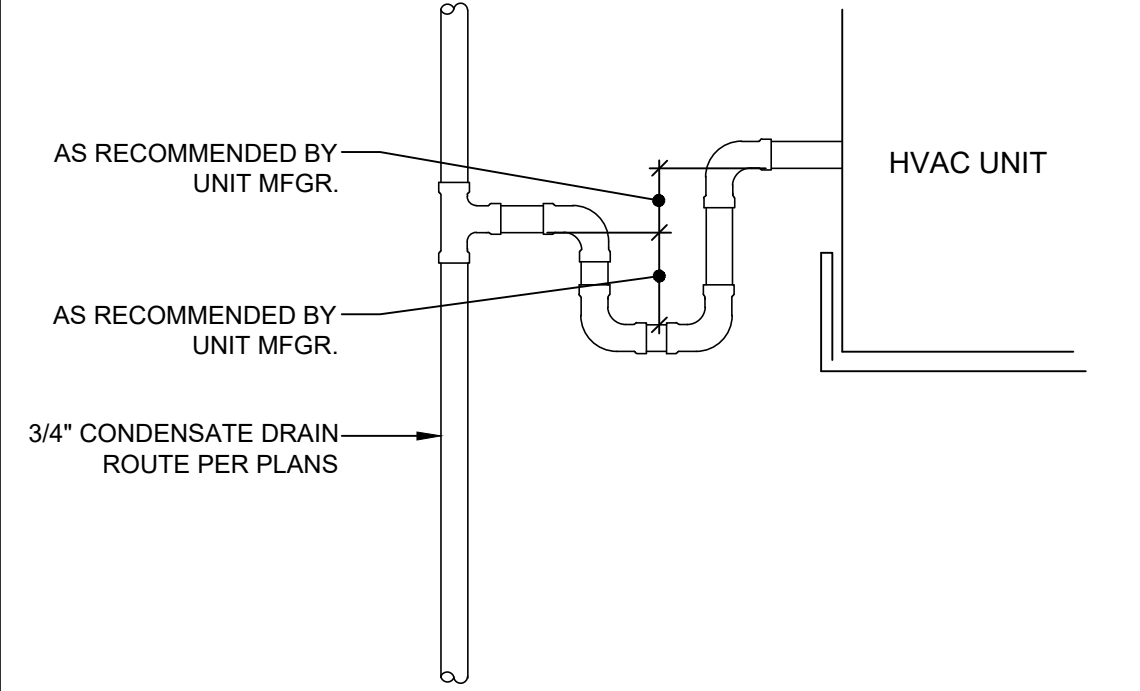
SECTION VIEW



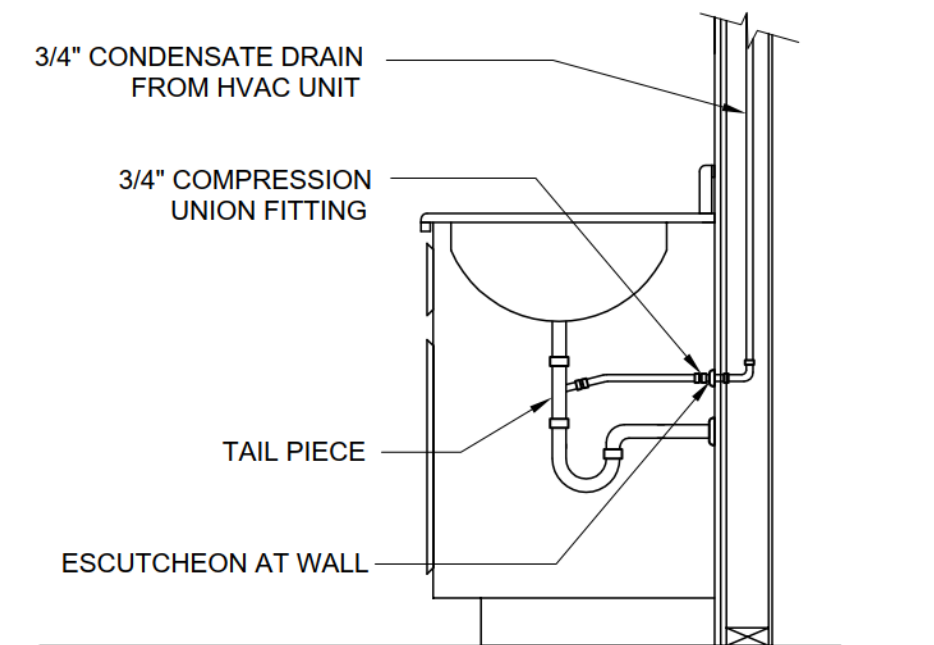
PLAN VIEW

FIRE BLOCK DETAIL @ PLUMBING CHASE SCALE: N.T.S. 5

FIRE BLOCK DETAIL @ PLUMBING CHASE SCALE: N.T.S. 6



CONDENSATE DETAIL SCALE: N.T.S. 7



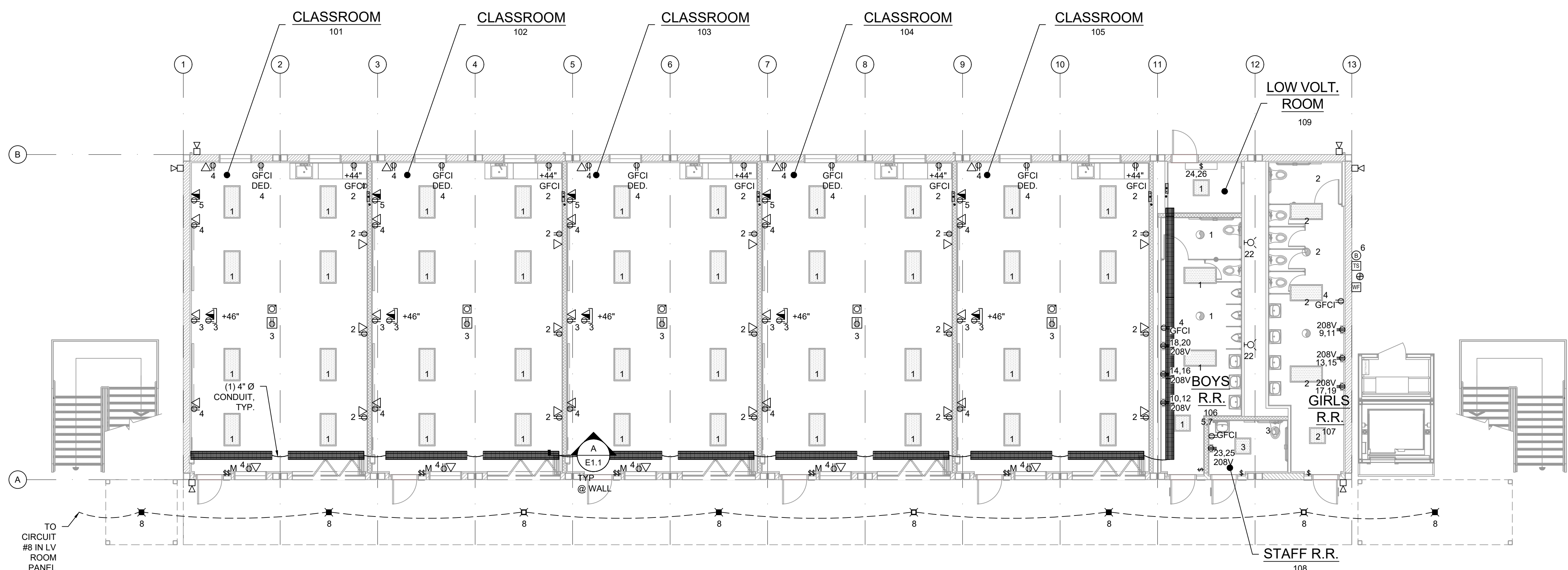
CONDENSATE DETAIL AT SINK CABINET SCALE: N.T.S. 8

NOT USED 9

NOT USED 10

NOT USED 9A

NOT USED 10A

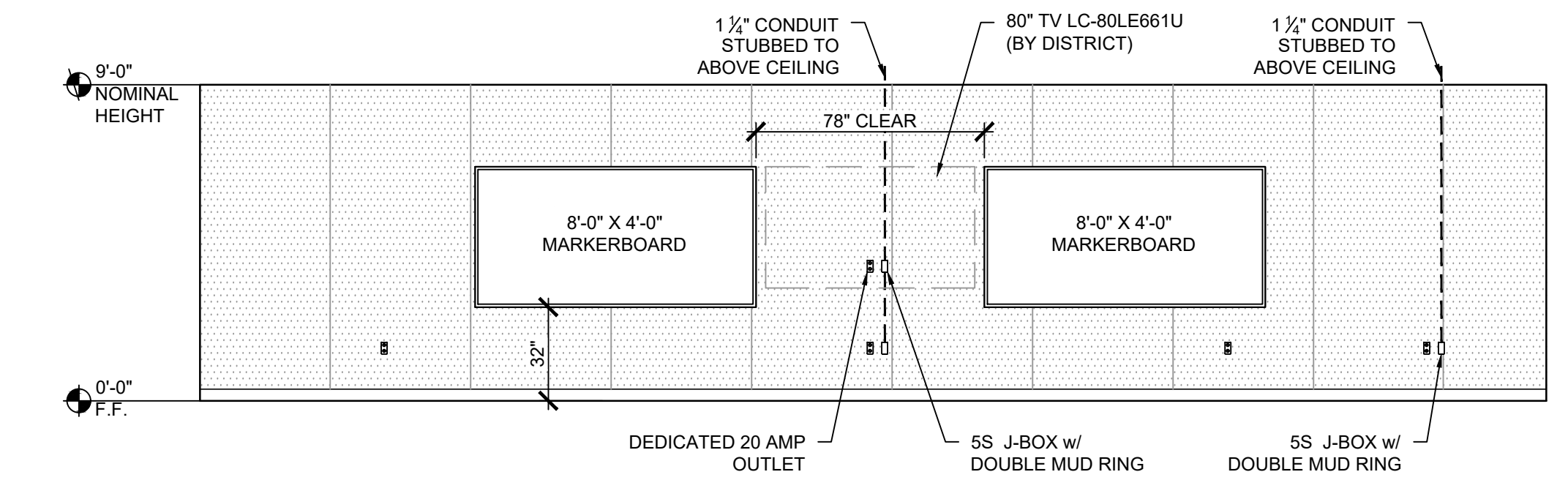


- ELECTRICAL PANEL - MOUNT FLUSH WITH WALL FINISH, U.O.N.
- INCANDESCENT WALL MOUNTED INTERIOR LIGHT FIXTURE
- EXTERIOR LIGHT FIXTURE @ EACH DOOR, LED OR EQUAL (MAX 35W)
- EXTERIOR SOFFIT MOUNTED LIGHT FIXTURE ENERTRON MODEL 110BSH2X6LED-50 LOW PROFILE LED OR EQUAL (MAX 28W)
- EXTERIOR SOFFIT MOUNTED LIGHT FIXTURE ENERTRON MODEL 110BSH2X6LED-50 LOW PROFILE LED OR EQUAL (MAX 28W) WITH EMERGENCY 90 MINUTE MINIMUM BATTERY BACK-UP.
- UNCONTROLLED-DUPLEX WALL CONVENIENCE OUTLET - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N.
- CONTROLLED-DUPLEX WALL CONVENIENCE OUTLET - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N. - TO BE CONTROLLED BY OCCUPANCY SENSOR.
- FOURPLEX WALL OUTLET - MOUNT @ +18" A.F.F. TO CENTER LINE - U.O.N.
- WEATHER-PROOF GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.
- GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.
- 120/208V DEDICATED OUTLET - COORDINATE INSTALLATION HEIGHT WITH SPECIFIC ITEM
- CONTROLLED-SINGLE POLE LIGHT SWITCHES - MOUNT @ +46" A.F.F. MAX TO TOP OF BOX - HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- SINGLE POLE SWITCH - MOUNT @ +46" A.F.F. MAX TO TOP OF BOX - FOR MOTORIZED WINDOW
- THERMOSTAT - TOP OF BOX MOUNTED @ +46" A.F.F.
- JUNCTION BOX - SIZE / LOCATION A.F.F. / TYPE AS NOTED
- ELECTRICAL CROSSOVER - J-BOX - ABOVE CEILING - #1- 4"x1", #2- 4"x2"
- BOX FOR FIRE RISER BELL - PROVIDE (1) 4" SQ. BOX WITH DOUBLE DEVICE RING AND COVER @ ±8'-9" TO CENTER OF BOX - INTERCONNECT WITH WITH FIRE RISER BELL BOX WITH (1) 3/4" Ø CONDUIT (DEVICE BY OTHERS)
- DATA/COMMUNICATION - OUTLET ONLY - 5" SQ BOX WITH SINGLE DEVICE RING AND COVER - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N., AND PROVIDE A 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- DATA/COMMUNICATION - OUTLET ONLY - 4" SQ BOX WITH SINGLE DEVICE RING AND COVER - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N., AND PROVIDE A 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- ULTRASONIC OCCUPANCY SENSOR - MOUNTED TO FINISH CEILING
- SECURITY CAMERA - OUTLET ONLY - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER MOUNTED AT 10'-0" A.F.F. TO CENTER OF BOX WITH (1) 3/4" DIA CONDUIT STUBBED TO ABOVE CEILING - DEVICES BY OTHERS
- 2x4' LED DROP IN FIXTURE, MODEL: LSI-SFP24 - 50 WATTS MAX OR EQUAL
- 2x2' LED DROP IN FIXTURE, MODEL: LSI-SFP22 - 30 WATTS MAX OR EQUAL
- CONDUIT SLEEVE AT MODULE LINE- (1) 4" DIA AT GROUND FLOOR AND (3) 2" DIA AT UPPER FLOOR
- CABLE TRAY MODEL OF 105/300 EZ OR EQUAL. INSTALL PER DETAIL 2/E1.2
- BOX FOR FIR RISER TAMPER SWITCH- PROVIDE (1) 4" SQ. BOX WITH DOUBLE DEVICE RING AND COVER @ 5'-5" TO CENTER OF BOX STUB TO ABOVE CEILING WITH (1) 3/4" Ø CONDUIT (DEVICE BY OTHERS)
- BOX FOR FIRE RISER WATER FLOW SWITCH- PROVIDE (1) 4" SQ. BOX WITH DOUBLE DEVICE RING AND COVER WITH 120V FROM 20A DEDICATED BREAKER @ 5'-5" TO CENTER OF BOX INTERCONNECT WITH FIRE RISER BELL BOX WITH (1) 3/4" Ø CONDUIT (DEVICES BY OTHERS)
- EXTERIOR WALL MOUNTED LIGHT- INTERWIRE FROM DEDICATED BREAKER TO 4" SQUARE BOX IN ATTIC OF LOW ROOM ONLY. CONTROLS AND FINAL WIRING BY OTHERS, MOUNT AT 16'-0" A.F.F.

GROUND FLOOR- ELECTRICAL PLAN

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

STANDARD ELECTRICAL SYMBOLS



TYPICAL ELECTRICAL ELEVATION

ENERGY CONTROLS

1. DEMAND RESPONSE CONTROLS: REQUIREMENTS PER GENERAL NOTES.
2. AUTOMATIC DAYLIGHTING CONTROLS: NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN COMBINED SKYLIT & PRIMARY DAYLIT ZONES ARE <120 WATTS.
3. ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) CONNECTION: PER TITLE 24 CODE, "AN EMCS MAY BE INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ONE OR MORE LIGHTING CONTROLS IF IT MEETS THE MINIMUM REQUIREMENTS". PC MAY CONTAIN OCCUPANCY SENSORS AND PHOTOCELL CONTROL LIGHTING, IN THAT CASE, AN EMCS IS NOT REQUIRED FOR THIS PC.

NOTE: ANT MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED.

ENERGY NOTES

1. THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT & SMOKE DETECTORS, EVACS AND PULL STATIONS, AND COMPLETE FIRE ALARM SYSTEM WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575 & CBC 907.2.3.
2. ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED.
3. PULL STATIONS ARE REQUIRED AT EVERY EXIT. AT ANY SPACE REQUIRING 2 OR MORE EXITS, PROVIDE EXIT SIGNS (CBC 1013) AND EMERGENCY EXIT ILLUMINATION (CBC 1008).
4. SEE PLANS FOR LOCATIONS OF ALL DEVICES.
5. STUB-OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES ARE SHOWN DIAGRAMMATICAL ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.
6. STUB-UP ALL FIRE ALARM JUNCTION BOXES TO ACCESSIBLE ATTIC SPACE WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT). DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT.
7. THE LIGHTS FOR EACH ROOM SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR: WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE, IN CONJUNCTION WITH B-LEVEL SWITCHING.

EXCEPTION: SINGLE-STALL BATHROOMS LESS THAN 70 SQUARE FEET, AND CLOSETS LESS THAN 70 SQUARE FEET MAY USE COUNTDOWN TIMER SWITCHES WITH A MAXIMUM SETTING CAPABILITY OF TEN MINUTES TO COMPLY WITH THE AUTOMATIC SHUT-OFF REQUIREMENTS.

GENERAL NOTES

8. FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.
 9. LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-BAR GRID LAYOUT.
- DEMAND RESPONSE CONTROLS
1. DEMAND RESPONSE CONTROLS ARE REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F.
 2. DEMAND RESPONSE CONTROLS WHERE REQUIRED ARE TO BE PROVIDED BY OTHERS.
 3. DEMAND RESPONSE CONTROLS AND EQUIPMENT SHALL BE CAPABLE OF RECEIVING AND AUTOMATICALLY RESPONDING TO AT LEAST ONE STANDARD BASED MESSAGING PROTOCOL WHICH ENABLES DEMAND RESPONSE AFTER RECEIVING A DEMAND SIGNAL.
 4. SITE-SPECIFIC PROJECTS WHICH REQUIRE DEMAND RESPONSE CONTROLS MUST INCLUDE THE SUBMISSION OF FORM NRCC-ELC-01-E TO DSA (BY OTHERS).

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APP: 03-121419 INC:
REVIEWED FOR
SS FLS ACS
DATE: 09/29/2021

AMS
American Modular Systems
787 Spreckels Ave.,
Manteca, CA 95336
Phone (209) 825-1921
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SET NAME
(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

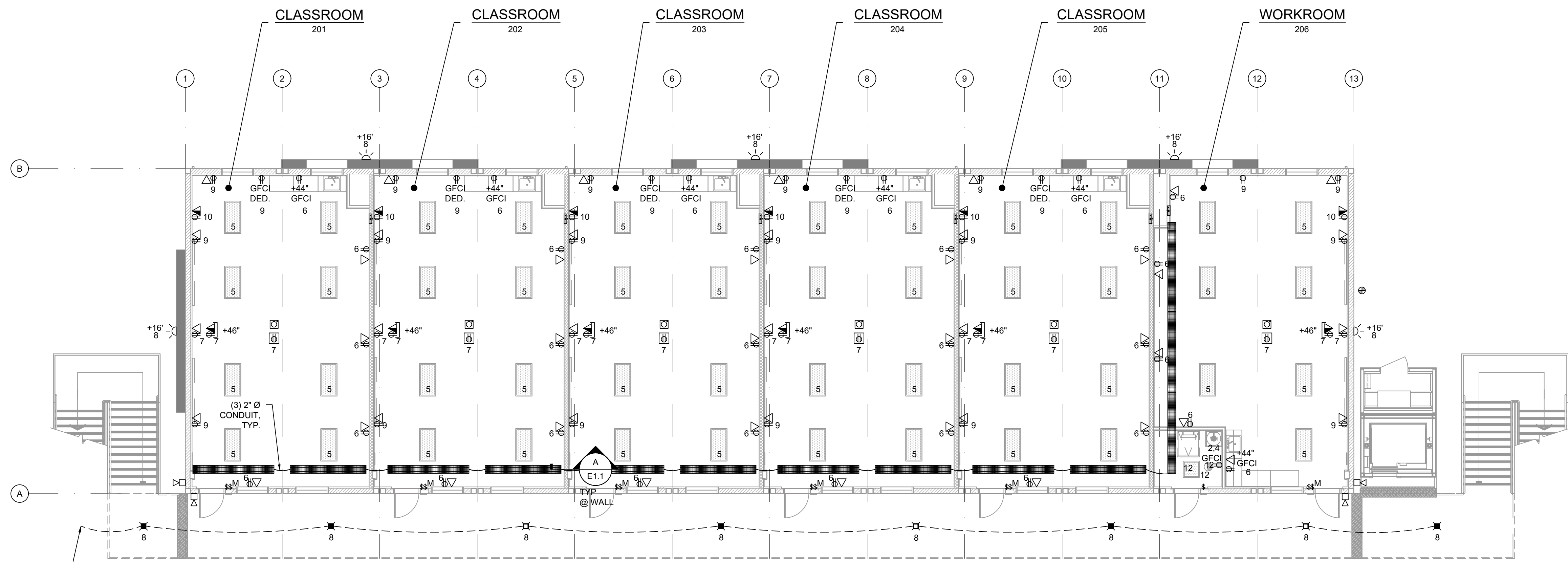
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REVISIONS	

DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE: ELECTRICAL PLAN GROUND FLOOR
SHEET NUMBER: E1.0

E1.0



- ELECTRICAL PANEL - MOUNT FLUSH WITH WALL FINISH, U.O.N.
- INCANDESCENT WALL MOUNTED INTERIOR LIGHT FIXTURE
- EXTERIOR LIGHT FIXTURE @ EACH DOOR, LED OR EQUAL (MAX 35W)
- EXTERIOR SOFFIT MOUNTED LIGHT FIXTURE ENERTRON MODEL 110BSH2X6LED-50 LOW PROFILE LED OR EQUAL (MAX 26W)
- EXTERIOR SOFFIT MOUNTED LIGHT FIXTURE ENERTRON MODEL 110BSH2X6LED-50 LOW PROFILE LED OR EQUAL (MAX 26W) WITH EMERGENCY 90 MINUTE MINIMUM BATTERY BACK-UP.
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- CONTROLLED-DUPLEX WALL CONVENIENCE OUTLET - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N. - TO BE CONTROLLED BY OCCUPANCY SENSOR.
- FOURPLEX WALL OUTLET - MOUNT @ +18" A.F.F. TO CENTER LINE - U.O.N.
- WEATHER-PROOF GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.
- GFCI GROUND FAULT CIRCUIT INTERRUPT OUTLET - MOUNT @ 18" A.F.F. TO CENTERLINE - U.O.N.
- 208V 120/208V DEDICATED OUTLET - COORDINATE INSTALLATION HEIGHT WITH SPECIFIC ITEM
- CONTROLLED-SINGLE POLE LIGHT SWITCHES - MOUNT @ +46" A.F.F. MAX TO TOP OF BOX - HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- SINGLE POLE SWITCH - MOUNT @ +46" A.F.F. MAX TO TOP OF BOX - FOR MOTORIZED WINDOW
- THERMOSTAT - TOP OF BOX MOUNTED @ +46" A.F.F.
- JUNCTION BOX - SIZE / LOCATION A.F.F. / TYPE AS NOTED
- ELECTRICAL CROSSOVER - J-BOX - ABOVE CEILING - #1- 4"x1", #2- 4"x2"
- BOX FOR FIRE RISER BELL - PROVIDE (1) 4" SQ. BOX WITH DOUBLE DEVICE RING AND COVER @ ±8'-9" TO CENTER OF BOX - INTERCONNECT WITH FIRE RISER BELL BOX WITH (1) 3/4" Ø CONDUIT (DEVICE BY OTHERS)
- DATA/COMMUNICATION - OUTLET ONLY - 5" SQ BOX WITH SINGLE DEVICE RING AND COVER - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N., AND PROVIDE A 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- DATA/COMMUNICATION - OUTLET ONLY - 4" SQ BOX WITH SINGLE DEVICE RING AND COVER - MOUNT @ +18" A.F.F. TO CENTERLINE, U.O.N., AND PROVIDE A 3/4" CONDUIT STUBBED ABOVE CEILING - DEVICE BY OTHERS
- ULTRASONIC OCCUPANCY SENSOR - MOUNTED TO FINISH CEILING
- SECURITY CAMERA - OUTLET ONLY - PROVIDE (1) 4" SQ. BOX WITH SINGLE DEVICE RING AND COVER MOUNTED AT 10'-0" A.F.F. TO CENTER OF BOX WITH (1) 3/4" DIA CONDUIT STUBBED TO ABOVE CEILING - DEVICES BY OTHERS
- 2x4' LED DROP IN FIXTURE, MODEL: LSI-SFP24 - 50 WATTS MAX OR EQUAL
- 2x2' LED DROP IN FIXTURE, MODEL: LSI-SFP22 - 30 WATTS MAX OR EQUAL
- CONDUIT SLEEVE AT MODULE LINE - (1) 4" DIA AT GROUND FLOOR AND (3) 2" DIA AT UPPER FLOOR
- CABLE TRAY MODEL OF 105/300 EZ OR EQUAL INSTALL PER DETAIL 2/E1.2
- BOX FOR FIRE RISER TAMPER SWITCH- PROVIDE (1) 4" SQ. BOX WITH DOUBLE DEVICE RING AND COVER @ 5'-5" TO CENTER OF BOX STUB TO ABOVE CEILING WITH (1) 3/4" Ø CONDUIT (DEVICE BY OTHERS)
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- EXTERIOR WALL MOUNTED LIGHT- INTERWIRE FROM DEDICATED BREAKER TO 4" SQUARE BOX IN ATTIC OF LOW ROOM ONLY, CONTROLS AND FINAL WIRING BY OTHERS, MOUNT AT 16'-0" A.F.F.

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(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC

UPPER FLOOR- ELECTRICAL PLAN

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

STANDARD ELECTRICAL SYMBOLS

NOT USED

ENERGY CONTROLS

- DEMAND RESPONSE CONTROLS: REQUIREMENTS PER GENERAL NOTES.
- AUTOMATIC DAYLIGHTING CONTROLS: NOT REQUIRED IN ROOMS WHERE COMBINED INSTALLED LIGHTING POWER IN COMBINED SKYLIT & PRIMARY DAYLIT ZONES ARE <120 WATTS.
- ENERGY MANAGEMENT CONTROL SYSTEM (EMCS) CONNECTION: PER TITLE 24 CODE, "AN EMCS MAY BE INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ONE OR MORE LIGHTING CONTROLS IF IT MEETS THE MINIMUM REQUIREMENTS". PC MAY CONTAIN OCCUPANCY SENSORS AND PHOTOCELL CONTROL LIGHTING, IN THAT CASE, AN EMCS IS NOT REQUIRED FOR THIS PC.

NOTE: ANT MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED.

1. THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT & SMOKE DETECTORS, EVACS AND PULL STATIONS, AND COMPLETE FIRE ALARM SYSTEM WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575 & CBC 907.2.3.

2. ANY MONITORING EQUIPMENT OR ASSOCIATED SENSORS ARE SITE SPECIFIC AND ARE NOT INCLUDED.

3. PULL STATIONS ARE REQUIRED AT EVERY EXIT. AT ANY SPACE REQUIRING 2 OR MORE EXITS, PROVIDE EXIT SIGNS (CBC 1013) AND EMERGENCY EXIT ILLUMINATION (CBC 1008).

4. SEE PLANS FOR LOCATIONS OF ALL DEVICES.

5. STUB-OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES ARE SHOWN DIAGRAMMATICAL ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.

6. STUB-UP ALL FIRE ALARM JUNCTION BOXES TO ACCESSIBLE ATTIC SPACE WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT). DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT.

7. THE LIGHTS FOR EACH ROOM SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR: WATT STOPPER W-500A, W-1000A, W-2000A (OR EQUAL) BASED ON THE ROOM SIZE, IN CONJUNCTION WITH BI-LEVEL SWITCHING.

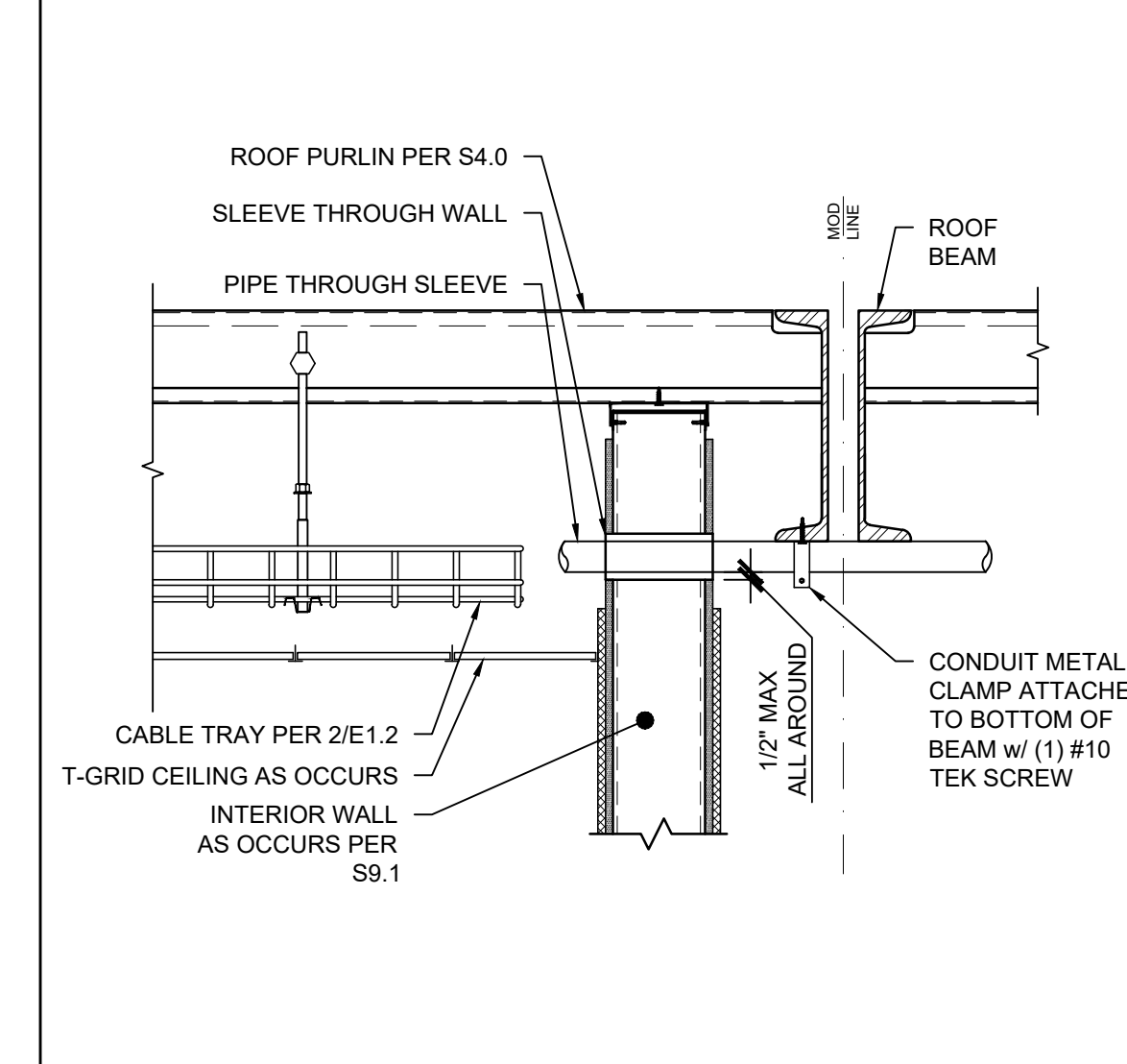
EXCEPTION: SINGLE-STALL BATHROOMS LESS THAN 70 SQUARE FEET, AND CLOSETS LESS THAN 70 SQUARE FEET MAY USE COUNTDOWN TIMER SWITCHES WITH A MAXIMUM SETTING CAPABILITY OF TEN MINUTES TO COMPLY WITH THE AUTOMATIC SHUT-OFF REQUIREMENTS.

8. FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

9. LIGHTING FIXTURES MAY BE INSTALLED ROTATED 90° FROM SHOWN TO MATCH T-BAR GRID LAYOUT.

DEMAND RESPONSE CONTROLS

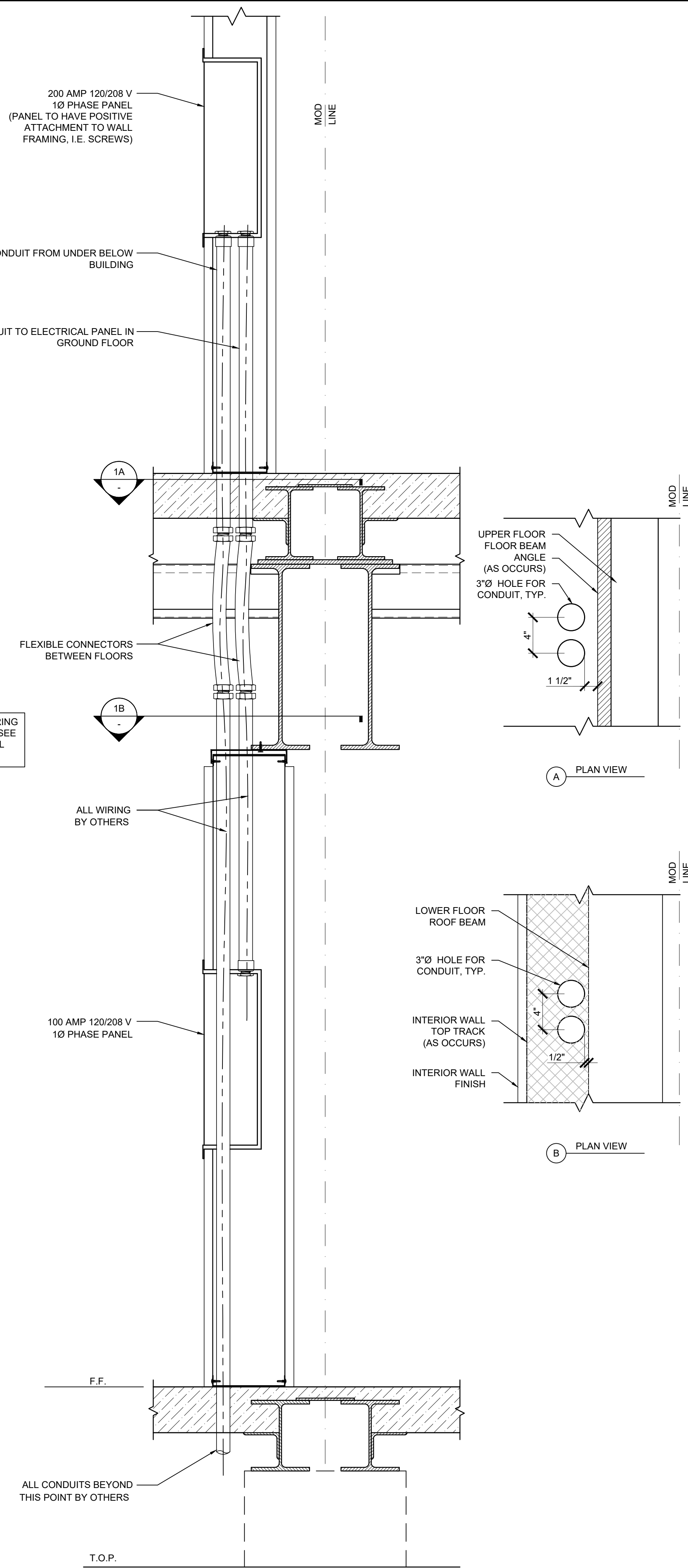
- DEMAND RESPONSE CONTROLS ARE REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F.
- DEMAND RESPONSE CONTROLS WHERE REQUIRED ARE TO BE PROVIDED BY OTHERS.
- DEMAND RESPONSE CONTROLS AND EQUIPMENT SHALL BE CAPABLE OF RECEIVING AND AUTOMATICALLY RESPONDING TO AT LEAST ONE STANDARD BASED MESSAGING PROTOCOL WHICH ENABLES DEMAND RESPONSE AFTER RECEIVING A DEMAND SIGNAL.
- SITE-SPECIFIC PROJECTS WHICH REQUIRE DEMAND RESPONSE CONTROLS MUST INCLUDE THE SUBMISSION OF FORM NRCC-ELC-01-E TO DSA (BY OTHERS).



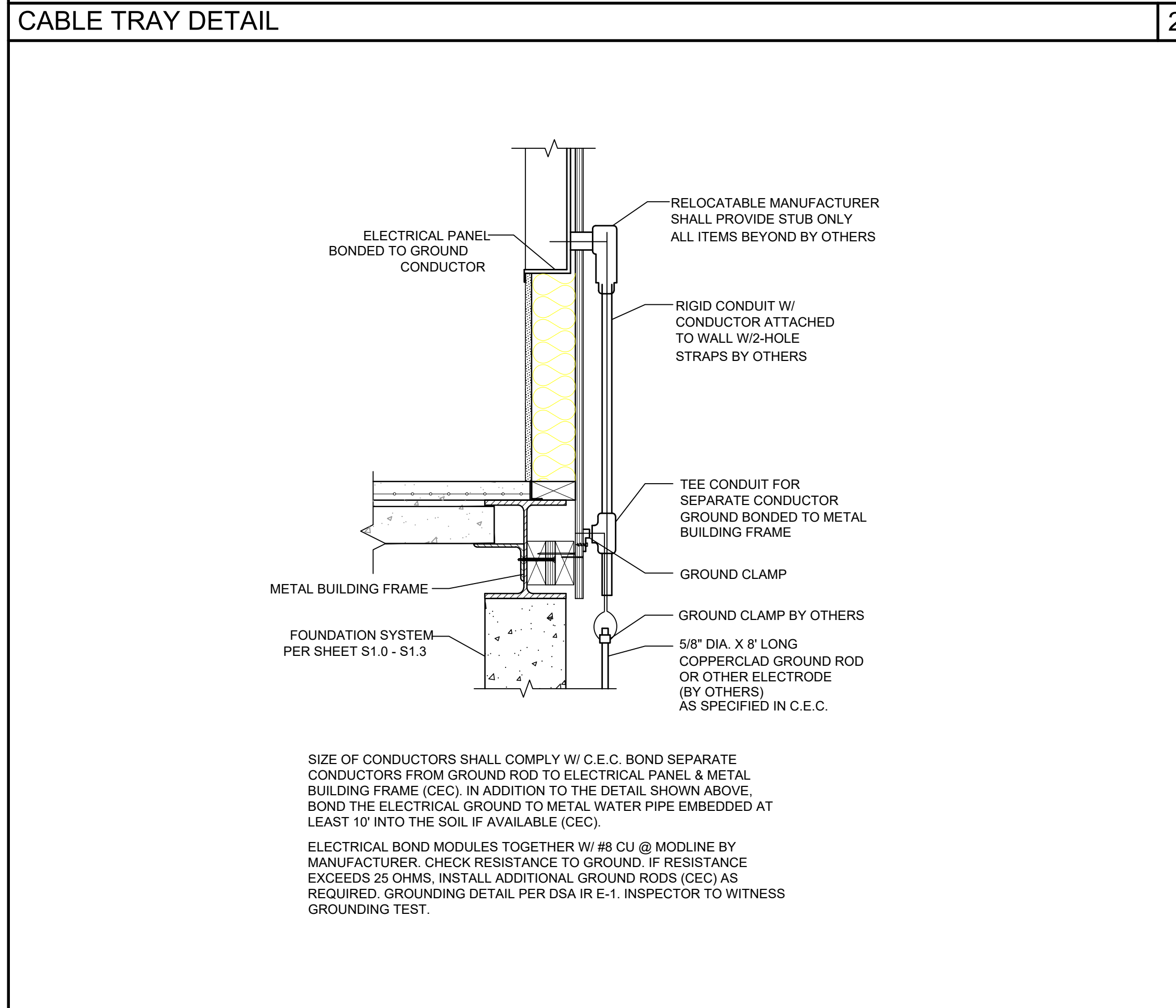
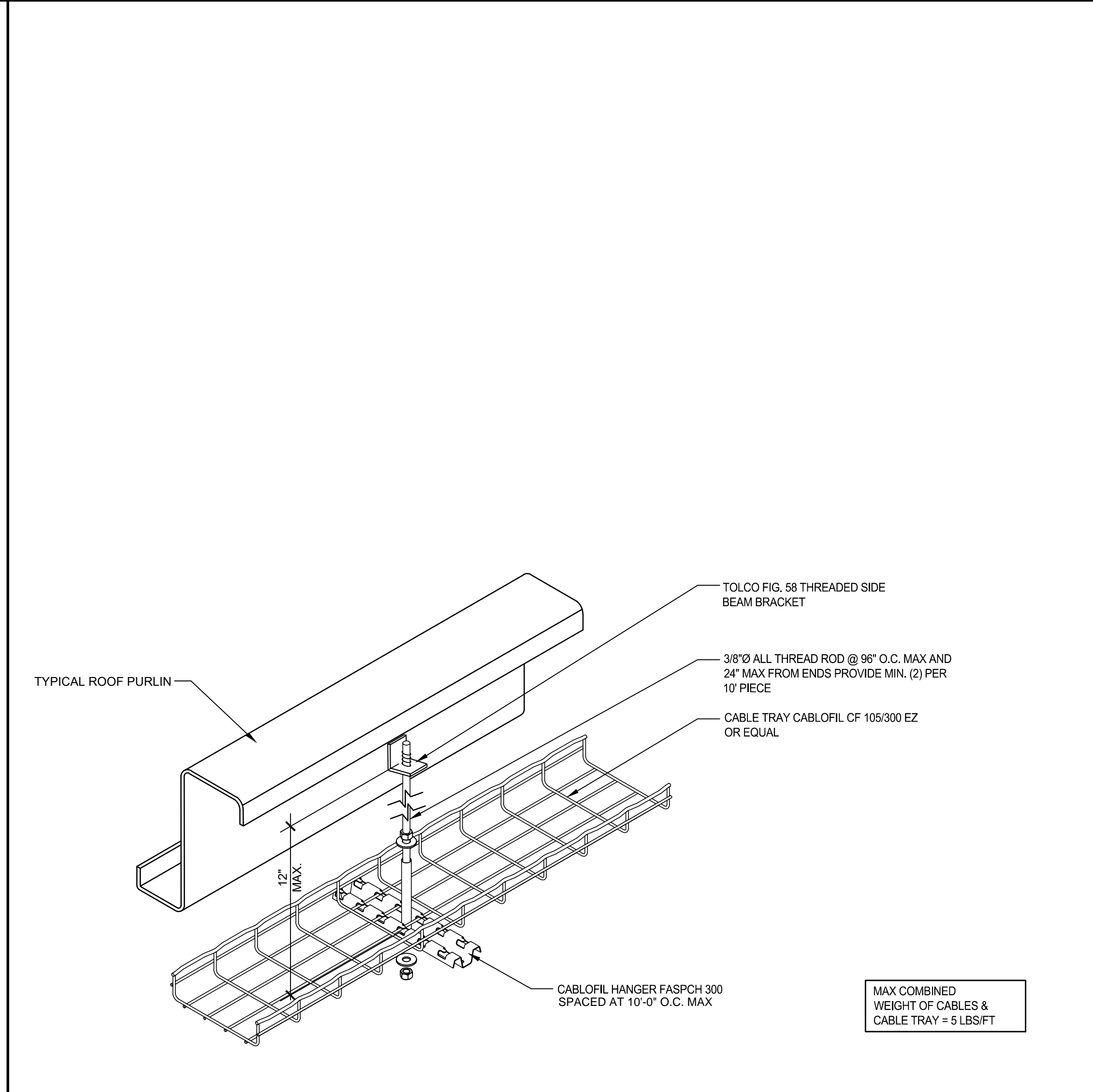
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DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20
SHEET TITLE:
ELECTRICAL PLAN UPPER FLOOR
SHEET NUMBER:
E1.1



NOTE: CONDUITS & WIRING SHOWN FOR CLARITY. SEE PLAN VIEW FOR ACTUAL LAYOUT.



SIZE OF CONDUCTORS SHALL COMPLY W/ C.E.C. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL & METAL BUILDING FRAME (CEC). IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10' INTO THE SOIL IF AVAILABLE (CEC).

ELECTRICAL BOND MODULES TOGETHER W/ #8 CU @ MODLINE BY MANUFACTURER. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS (CEC) AS REQUIRED. GROUNDING DETAIL PER DSA IR E-1, INSPECTOR TO WITNESS GROUNDING TEST.

- ### FIRE ALARM SYSTEM
- THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, CALIFORNIA FIRE CODE AND THE CALIFORNIA BUILDING CODE.
 - INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTINGS FOR EACH COMPONENT OF THE SYSTEM, HAVE BEEN APPROVED BY DSA.
 - UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.
 - JUNCTION BOXES - GALVANIZED SHEET METAL, SQUARE OR RECTANGULAR WITH BLANK COVERS. LOCATE ONE BOX AT REAR OF BUILDING NEAR MAIN ELECTRICAL PANEL @ +18" ABOVE FINISH FLOOR FOR FUTURE CONNECTION.
 - COVERS - INSTALL GASKETED, METAL, WATERPROOF, FINISH COVERS AT EXTERIOR LOCATIONS. INSTALL FINISH COVERS AT INTERIOR LOCATIONS.
 - THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALLED, TESTED, AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHAL'S REGULATIONS (CBC SEC. 907.2.3) AND THE 2019 EDITION OF NFPA 72.
 - THE LOCATION OF AUTOMATIC DETECTORS, MANUAL STATIONS AND OTHER FIRE ALARM EQUIPMENT AND DEVICES, AS SHOWN ON PLAN, ARE FOR REFERENCE ONLY AND DO NOT CONSTITUTE SHOP DRAWINGS WHICH ARE REQUIRED FOR REVIEW AND APPROVAL.
 - ALARM-INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 dBA ABOVE THE AVERAGE AMBIENT NOISE LEVELS OR 5dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF 60 SECONDS, WHICHEVER IS GREATER, MEASURED 5' ABOVE THE FLOOR. AMBIENT NOISE LEVELS MEANS THE LEVEL WHICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM, OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS (NFPA 72, SEC. 18.4.1).
 - THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNINGS SHALL HAVE A FLASH RATE NOT EXCEEDING TWO FLASHES PER SECOND (2 HZ), NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ). STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHAL APPROVED AND LISTED (NFPA 72, SEC. 18.5.3).
 - AUTOMATIC FIRE ALARM SYSTEM SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72, CHAPTER 26. THE SUPERVISING STATION SHALL BE LISTED AS EITHER ULFV OR ULUS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER. IF TESTING RESULTS DETERMINE FIRE ALARM AUDIBILITY DOES NOT MEET 15dB OVER AMBIENT NOISE LEVELS, ADDITIONAL FIRE ALARM SIGNALING DEVICES MAY BE REQUIRED BY THE ENFORCING AGENCY.

- ### GENERAL NOTES
- GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC.
 - PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
 - PANEL A LISTED FOR USE AS SERVICE EQUIPMENT.
- ### ELECTRICAL NOTES:
- ELECTRICAL SERVICE DROP AND CONNECTIONS SUPPLIED BY OTHERS.
 - MANUFACTURER TO PROVIDE STUB-OUT FROM BACK OF ELECTRICAL PANEL THROUGH THE EXTERIOR WALL OR TO BELOW FLOOR FOR RECEIVING EITHER UNDERGROUND OR OVERHEAD SERVICE & FITTING FOR GROUNDING CABLE.
 - ELECTRICAL PANEL BOARD SHALL BE RECESS MOUNTED INSIDE THE BUILDING, SIZED TO ACCOMMODATE ALL CONNECTED LOADS INCLUDING SPACES AS SHOWN. OVERCURRENT PROTECTIVE DEVICES IN THE PANEL BOARDS SHALL HAVE ADEQUATE SHORT CIRCUIT INTERRUPTING CAPACITY. ALL BUSES INCLUDING BUS SHALL BE COPPER OR ALUMINUM.
 - CLOCK - 12" DIAL CLOCK ON CLOCK OUTLET.
A. CLOCK SHALL BE GENERAL ELECTRIC MODEL 2912 129V 60 CYCLE
B. CLOCK OUTLET SHALL BE BRYANT #2828 OR EQUAL WITH SEPARABLE HANGING CLIP & APP'D RECEIPT.
 - THE H.V.A.C. UNIT FEEDER CIRCUIT - PANEL CIRCUIT BREAKER, FEEDER WIRE, UNIT DISCONNECT AND FUSES (WHERE USED) - IS TO BE COORDINATED WITH THE NAME PLATE DATA AT THE TIME OF MANUFACTURE. H.V.A.C. UNITS HAVING KVA RATINGS LARGER THAN THAT INDICATED ON THIS PANEL SCHEDULE WILL NOT BE ALLOWED TO BE INSTALLED ON THIS BUILDING.
 - IF 60 DEGREES C WIRE IS TO BE USED IN THIS INSTALLATION, CALCULATIONS DEMONSTRATING AMPACITY SHALL BE PROVIDED ON THE DRAWING.

- ### DEMAND RESPONSE CONTROLS
- DEMAND RESPONSE CONTROLS ARE REQUIRED IN BUILDINGS LARGER THAN 10,000 S.F.
 - DEMAND RESPONSE CONTROLS WHERE REQUIRED ARE TO BE PROVIDED BY OTHERS.
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 - SITE-SPECIFIC PROJECTS WHICH REQUIRE DEMAND RESPONSE CONTROLS MUST INCLUDE THE SUBMISSION OF FORM NRCC-ELC-01-E TO DSA (BY OTHERS).

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AMS
American Modular Systems
787 Spreckels Ave.,
Manteca, CA 95336
Phone (209) 825-1921
Fax (209) 825-7018
www.americanmodular.com

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SET NAME
(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
GLENDALE USD MONTE VISTA ELEMENTARY SCHOOL

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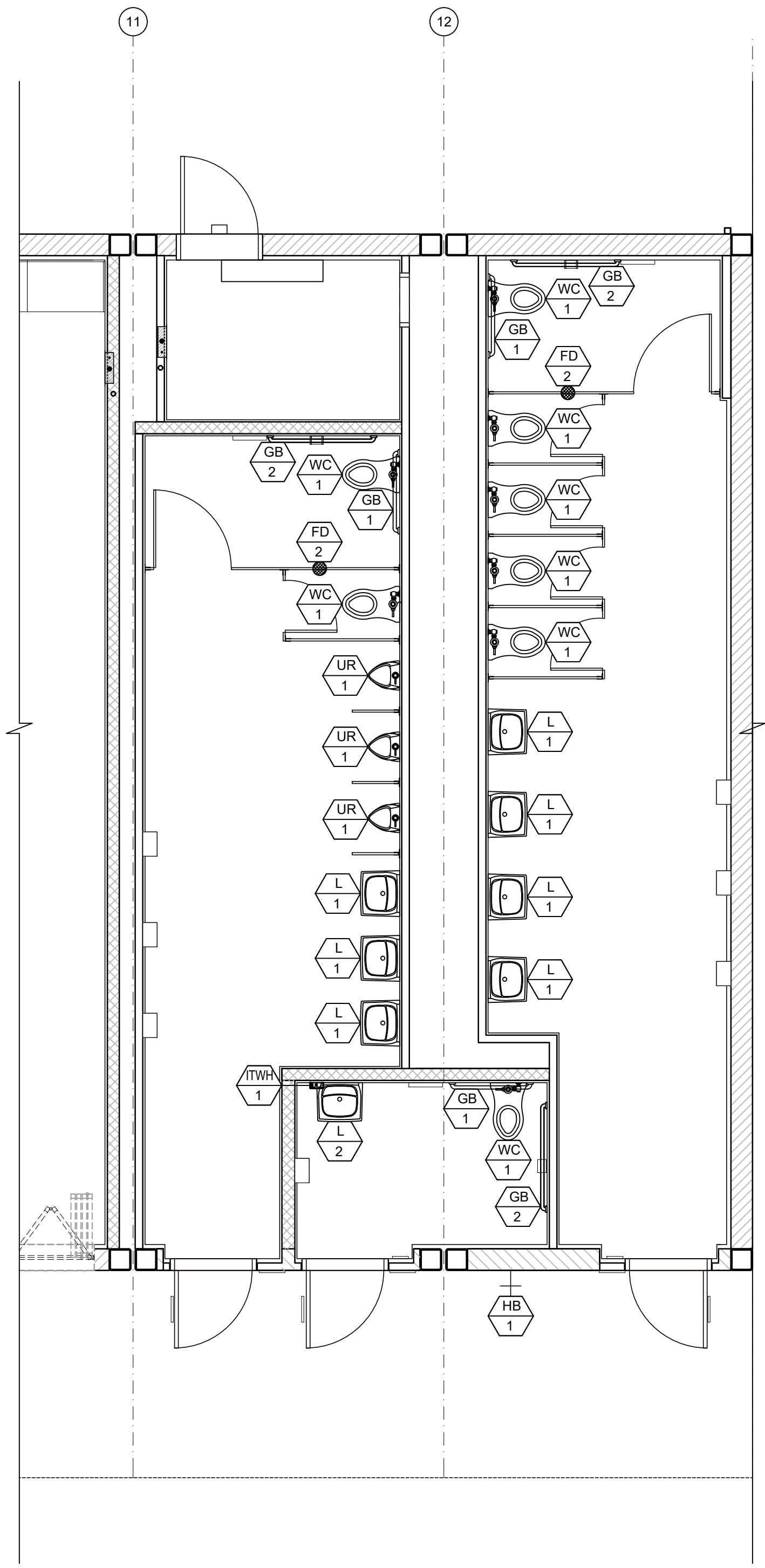
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DRAWN BY: AH
SCALE: AS NOTED
DATE: 07/05/21
PROJECT NO: 1614-20

SHEET TITLE:
ELECTRICAL NOTES & DETAILS

SHEET NUMBER:
E1.2



MARK	FIXTURE ¹	TYPE AT KINDERGARTEN	TYPE AT ELEMENTARY	TYPE AT ADULT	REMARKS
WC 1	WATER CLOSET	CANNOT USE	WALL MOUNT TYPE KOHLER 'KINGSTON' MODEL K-4325 OR EQUAL. LOWEST AT 15" A.F.F. - FLOW RATE OF 1.28 G.P.F.	WALL MOUNT TYPE KOHLER 'KINGSTON' MODEL K-4325 OR EQUAL. LOWEST AT 15" A.F.F. - FLOW RATE OF 1.28 G.P.F.	FLUSH VALVE ZURN MODEL Z6000AV-HET - 1.28 G.P.F. OR EQUAL. LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 7/P2.0.
L 1	BOYS/GIRLS LAVATORY		KOHLER 'KINGSTON' MODEL K-2007-0		BOYS/GIRLS RESTROOM - TOUCHLESS FAUCET SLOAN MODEL SF-2150-4-BDM OR EQUAL - COLD WATER ONLY - SINGLE SPOUT MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 7/P2.0 - FLOW RATE OF 0.5 G.P.M.
L 2	ADULT LAVATORY		KOHLER 'KINGSTON' MODEL K-2005-0		ADULT RESTROOM - TOUCHLESS FAUCET SLOAN MODEL SF-2150-4-BDM OR EQUAL HOT/COLD WATER - 4" ON CENTER HOLE. MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 7/P2.0 - FLOW RATE OF 0.5 G.P.M.
UR 1	URINAL		WALL MOUNT TYPE KOHLER MODEL DEXTER K-5452-ET-0 OR EQUAL FLOW RATE = 0.125 gpf		FLUSH VALVE ZURN MODEL Z6003-ULF (0.125gpf) OR EQUAL. MOUNT AS SPECIFIED IN FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 7/P2.0
M 1	MIRROR		WALL MOUNT TYPE BOBRICK MODEL B165 18x30 OR EQUAL		MOUNT AS SPECIFIED IN FLOOR PLANS. MIRROR PER SCHEDULE 7/P2.0
GB 1	36" GRAB BARS		WALL MOUNT TYPE CREATIVE SPECIALTIES INTERNATIONAL MODEL 8736 & 8748 (1 1/4" CONCEALED SCREW		18 GA. 304 STAINLESS STEEL SATIN FINISH MOUNT AS SPECIFIED IN FLOOR PLANS AND PER SCHEDULE 7/P2.0. (STRUCTURAL STRENGTH OF GRAB BARS 250# MIN.)
GB 2	48" GRAB BARS		36" & 48" OR EQUAL		
ITWH 1	INSTANT-TEMP WATER HEATER		CHRONOMITE INSTANT-TEMP WATER HEATER MODEL M20L240 INSTANT SINGLE PHASE 104"		CHRONOMITE MODEL M20L208 OR EQUAL
FS 1	CUSTODIAN SINK		FLORESTONE FLOOR SINK MOLDED MOP RECEPTORS MODEL MSR-2424 W/ 3" DRAIN OR EQUAL		ZURN 843-MI-RC OR EQUAL
FD 2	FLOOR DRAIN		CONCRETE FLOOR DRAIN ZURN MODEL P415-CC W/ STANDARD GRATE ZURN 33160-002 OR EQUAL		LOCATE AS SPECIFIED ON FLOOR PLANS. (FLOOR DRAIN TO BE USED ON CONCRETE ONLY.)
CS 1	CLASSROOM SINK		JUST MODEL CRA-ADA-1928-A-GR OR EQUAL		FAUCET - ZURN MODEL Z2871-B4-XL W/WRIST BLADES. LOCATE AS SPECIFIED ON FLOOR PLANS. MOUNT ACCESSIBLE FIXTURES PER SCHEDULE 7/P3.0
WH 1	WATER HEATER		RHEEM 20 GALLON ELECTRIC WATER HEATER MODEL PROE20-1-RH-POU 240 VOLT SINGLE PHASE		(MAX WATER HEATER WEIGHT) PER 12/M1.4 OR 1/P3.0
HB 1	HOSE BIBB		RECESSED HOSE BIBB WOODFORD MODEL B7SCH OR EQUAL		LOCATE AS SPECIFIED ON FLOOR PLANS.

NOTES:
1. ALL WATER FIXTURES MUST MEET REQUIREMENTS OF CAL-GREEN TITLE 24, PART 11, SECTION 5.303.3 "WATER CONSERVING PLUMBING FIXTURES & FITTINGS".

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DIV. OF THE STATE ARCHITECT
APP: 03-121419 INC:
REVIEWED FOR
SS FLS ACS
DATE: 09/29/2021

AMS
American Modular Systems
787 Spreckels Ave.,
Manteca, CA 95336
Phone (209) 825-1921
Fax (209) 825-7018
www.americanmodular.com

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(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
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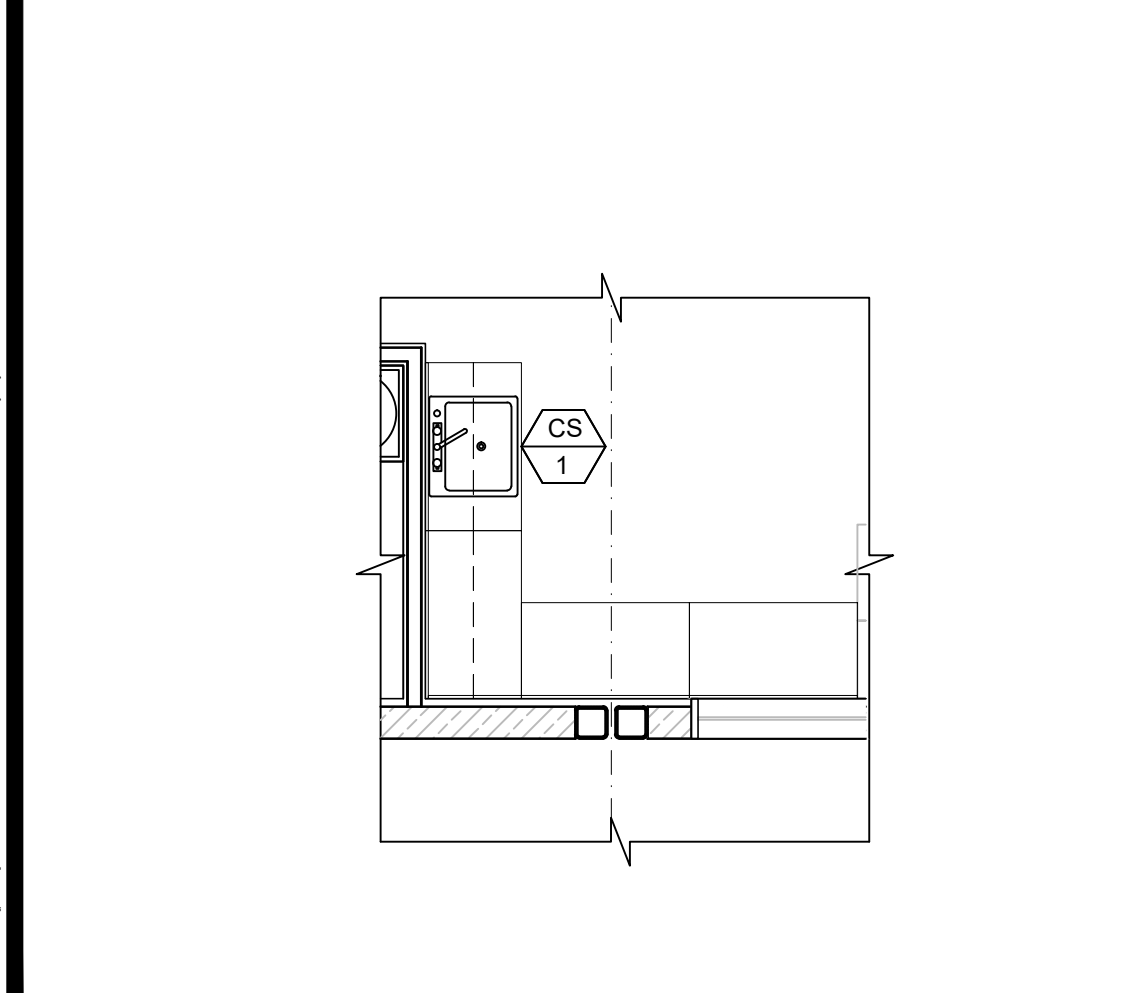
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RESTROOM OPTION PLUMBING PLANS & FIXTURE SCHEDULE

SHEET NUMBER:
P1.0

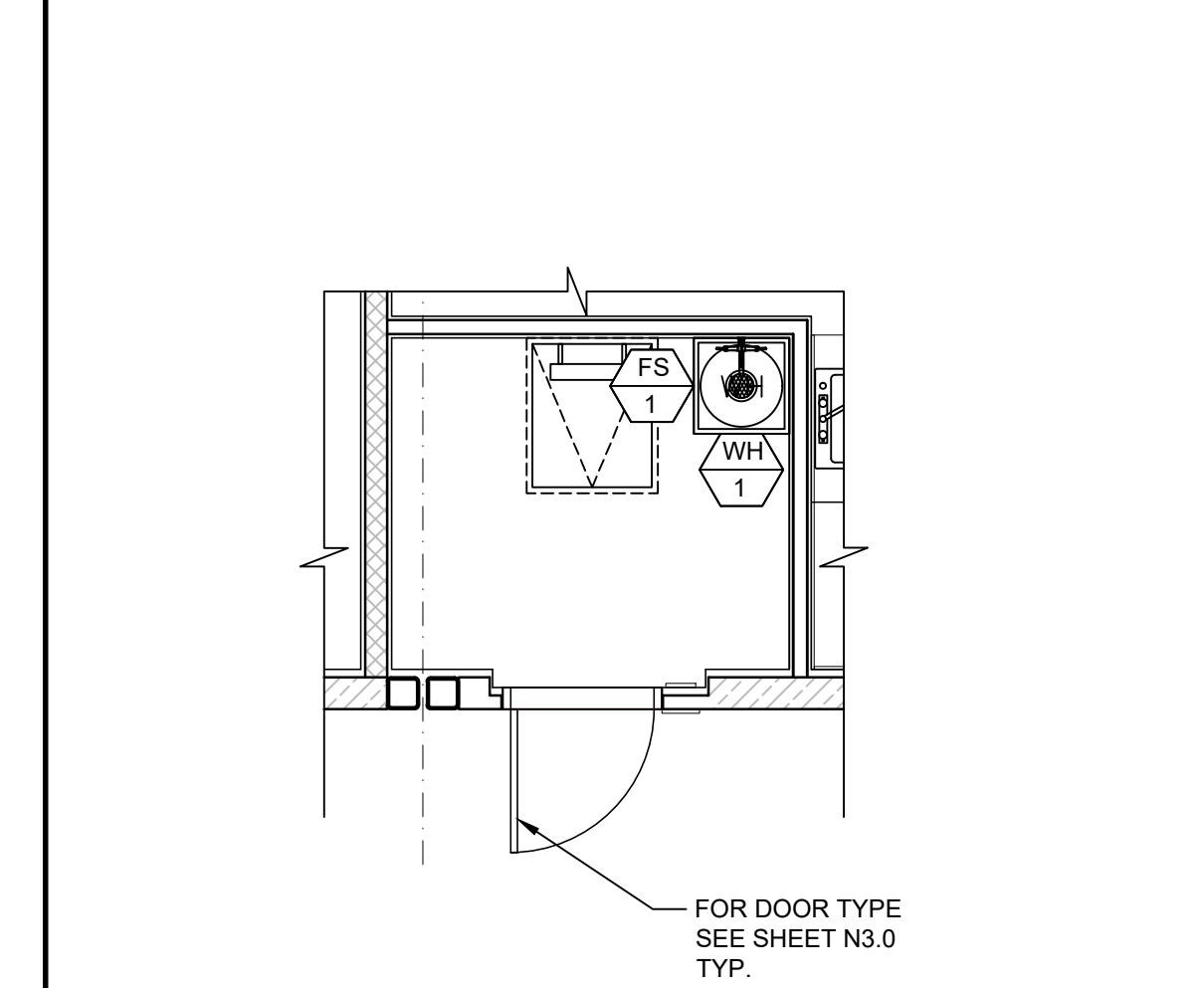
BOYS, GIRLS & STAFF R.R. PLUMBING PLAN

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

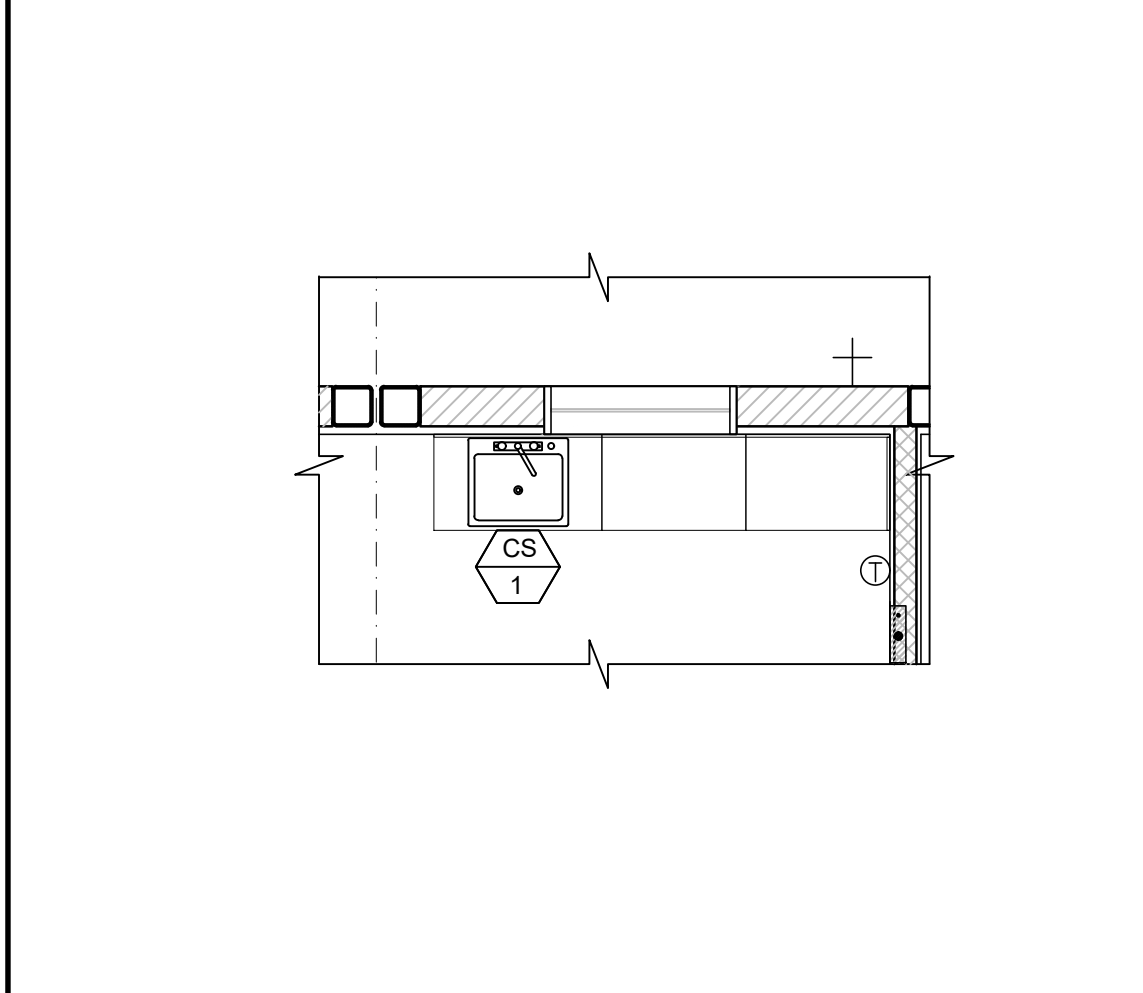
PLUMBING FIXTURE SCHEDULE



TYP. WORKROOM SINK PLAN

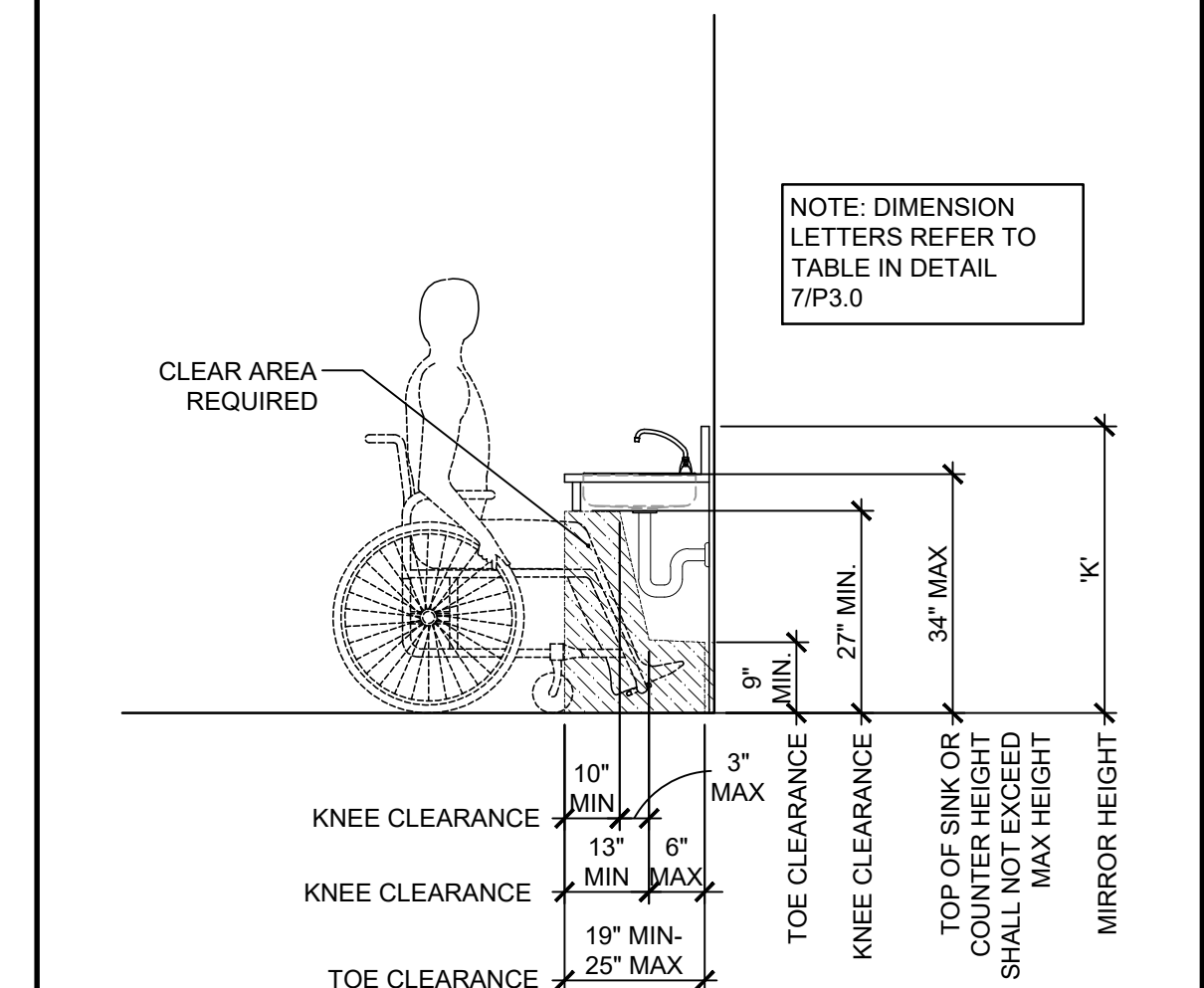


JANITORS ROOM PLAN



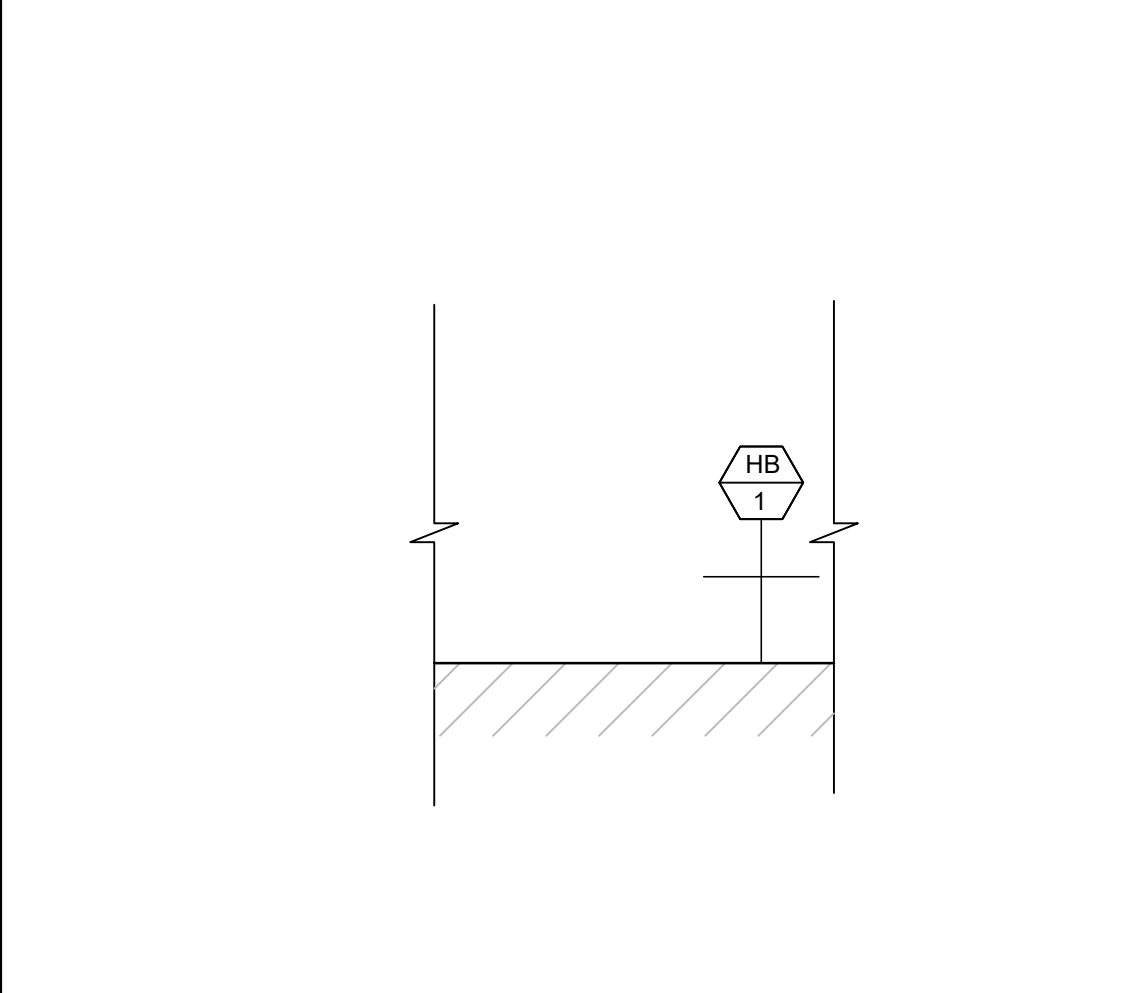
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SCALE: 1/4"=1'-0"



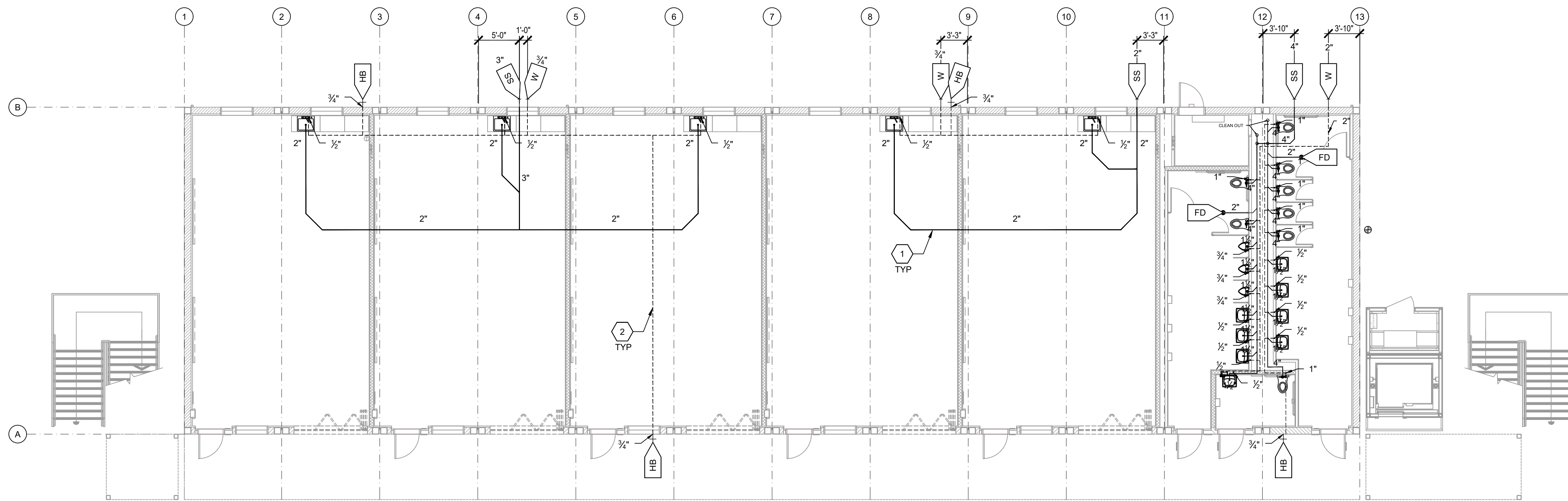
ACCESSIBLE CLASSROOM SINK

NOT TO SCALE



TYP. HOSE BIBB

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



LOWER FLOOR- PLUMBING PIPING LAYOUT

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

KEY NOTES

SET NAME

(1) 144'x40' 2 STORY CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME

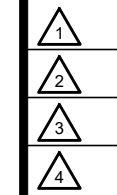
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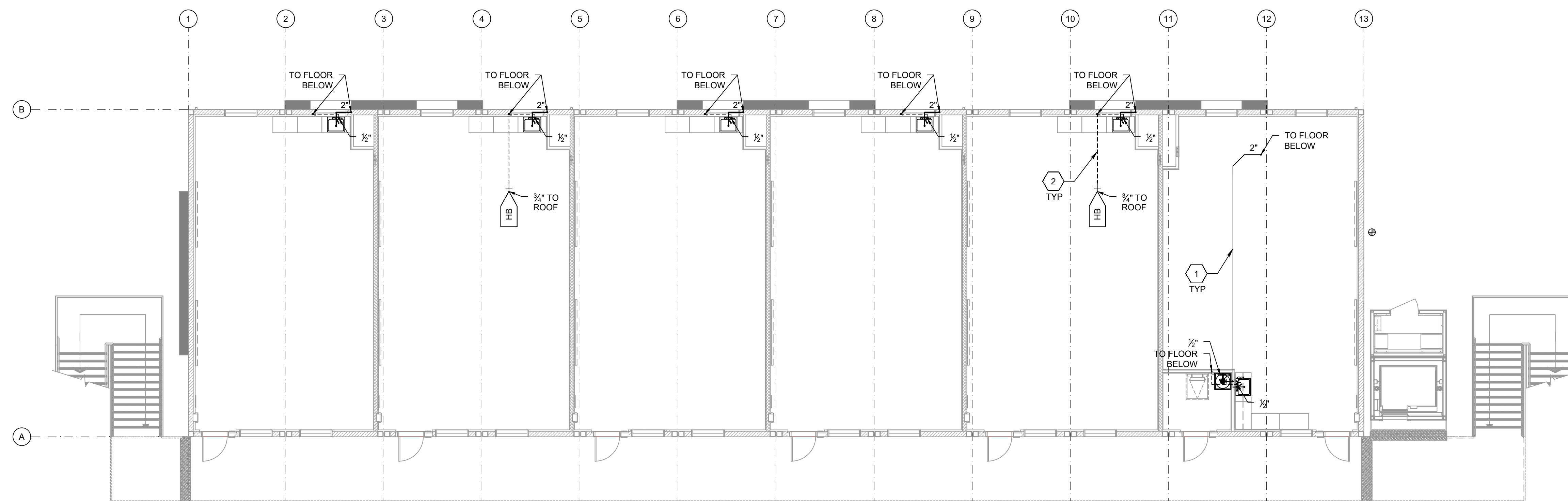


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 PROJECT NO: 1614-20

SHEET TITLE:
 PLUMBING PIPING LAYOUT

SHEET NUMBER:

P2.0



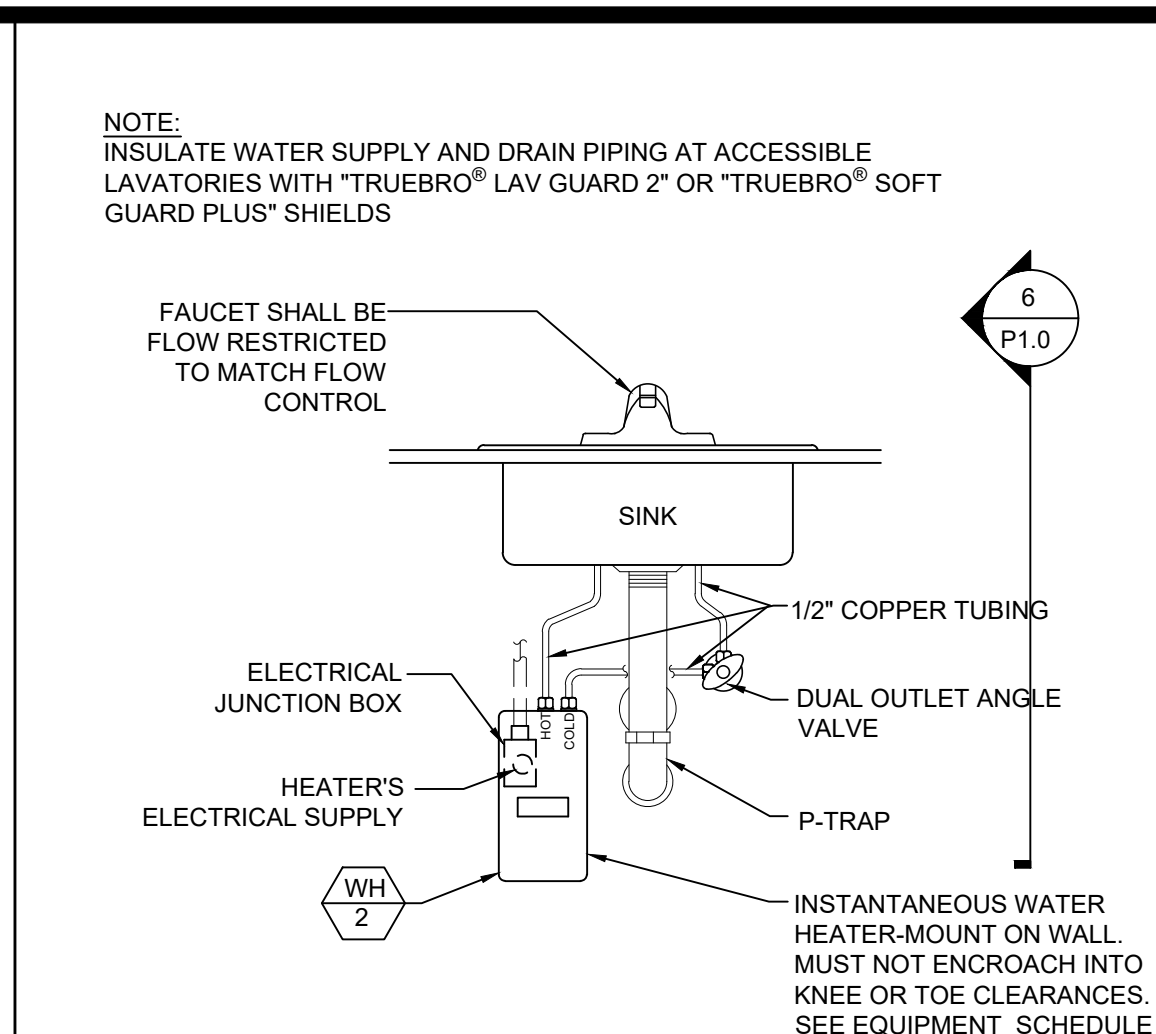
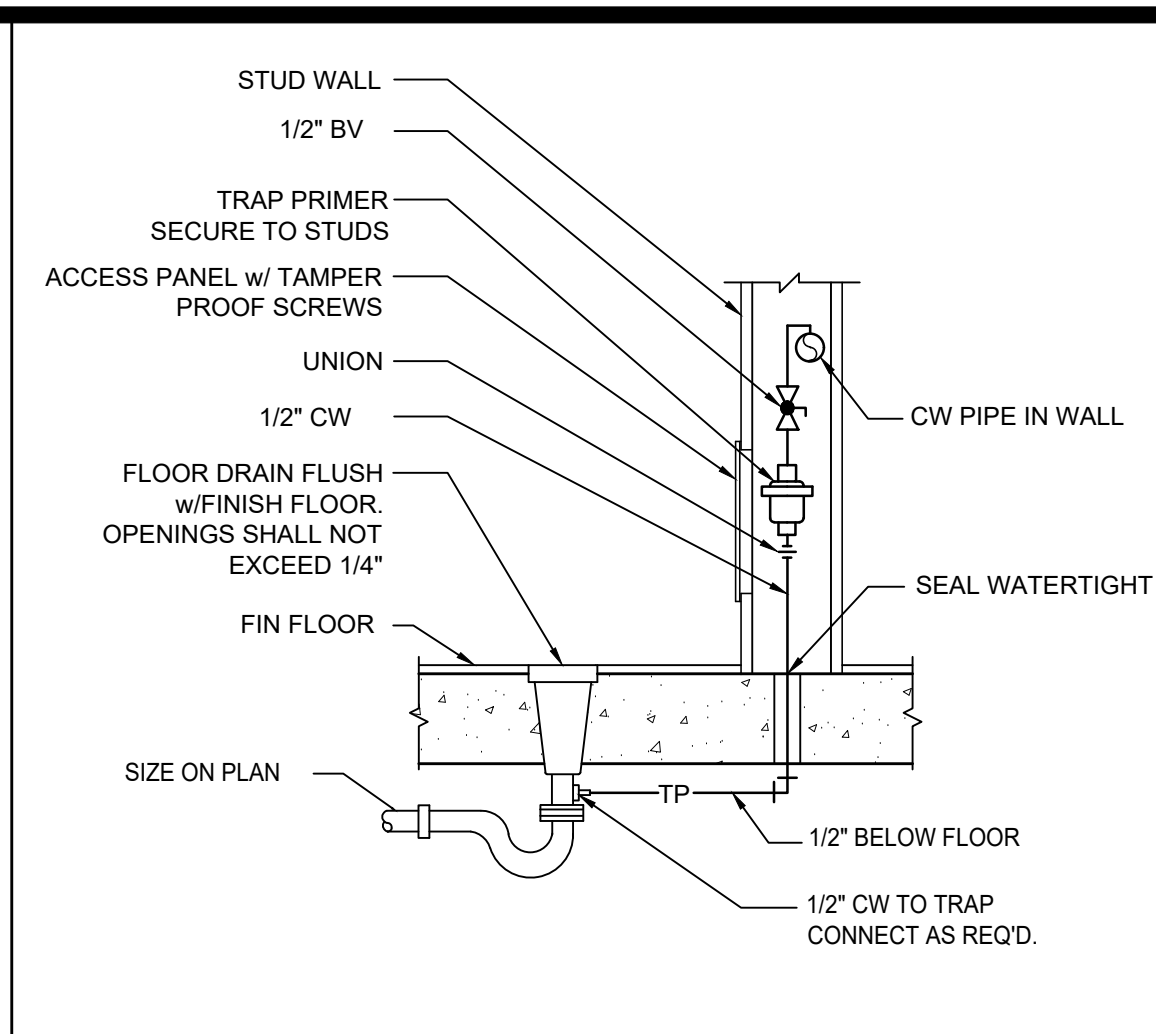
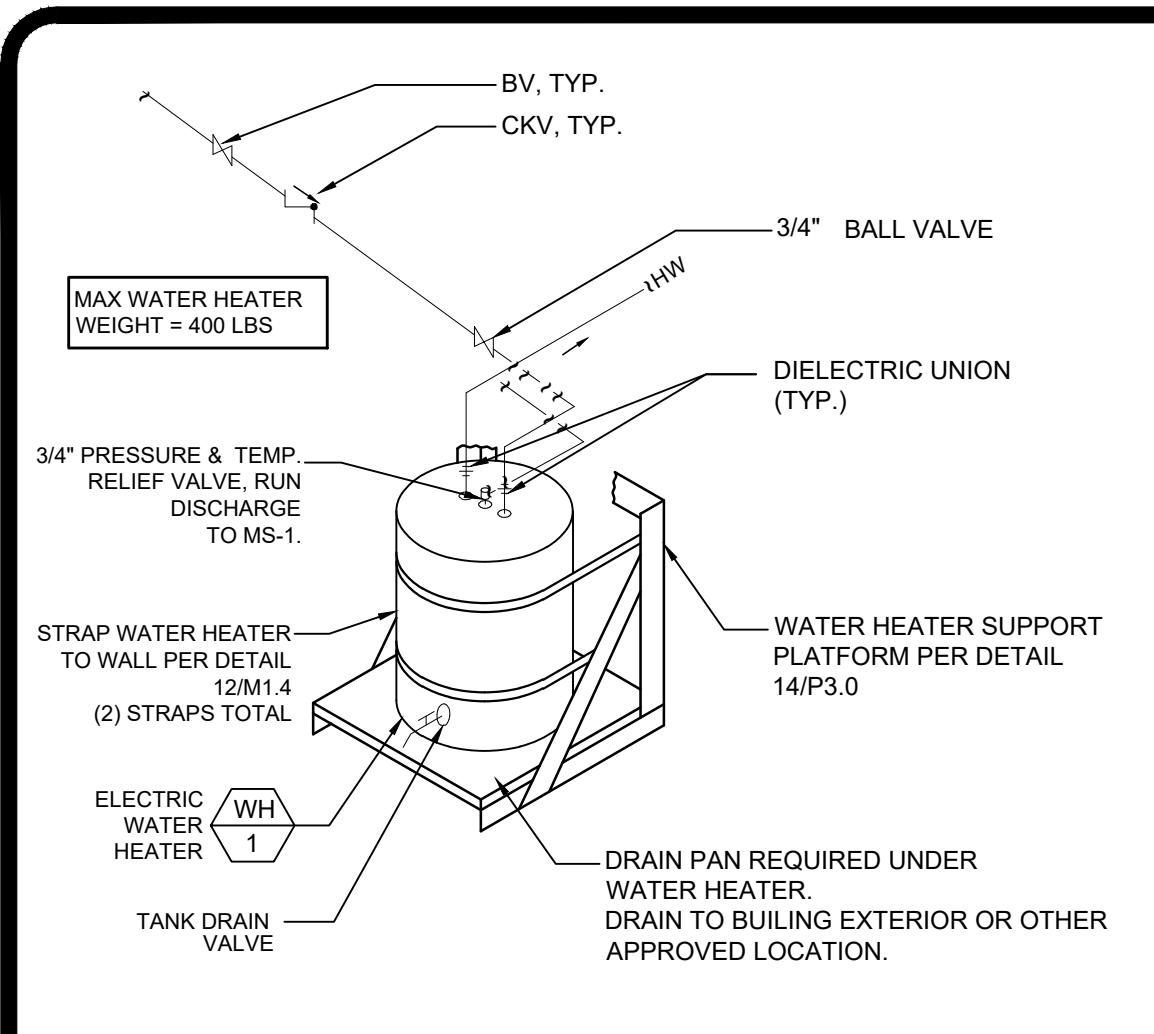
UPPER FLOOR- PLUMBING PIPING LAYOUT

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

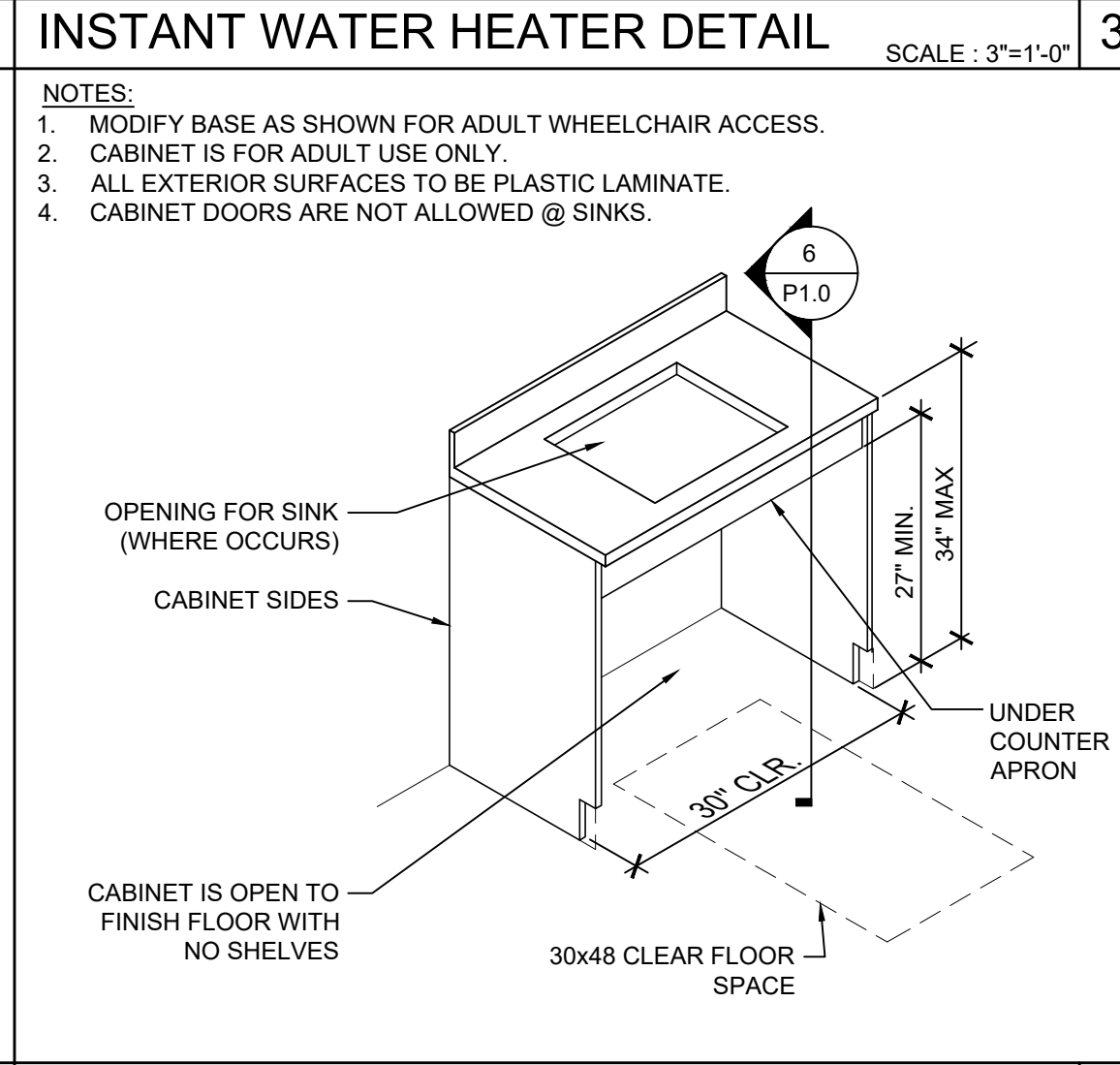
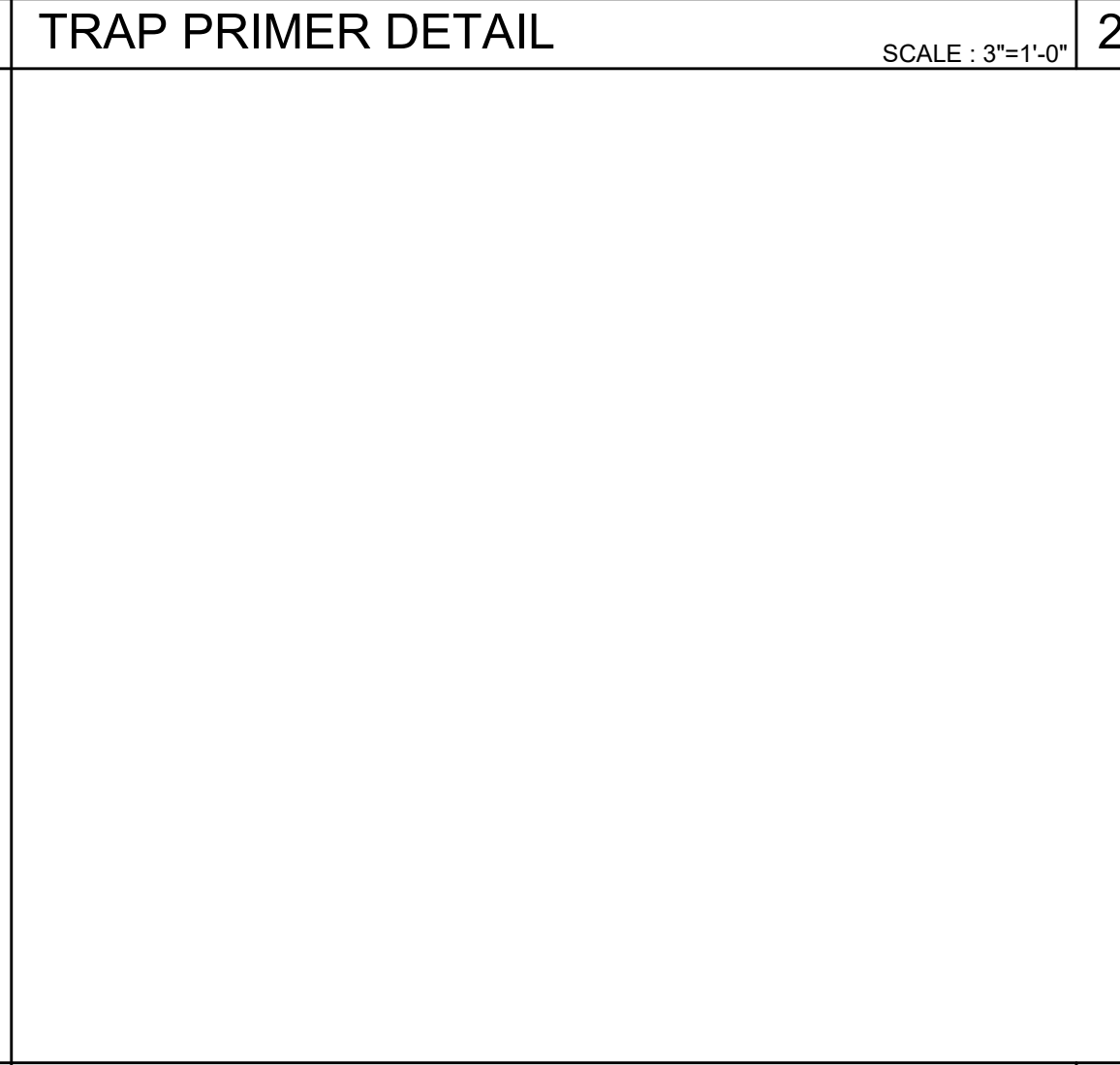
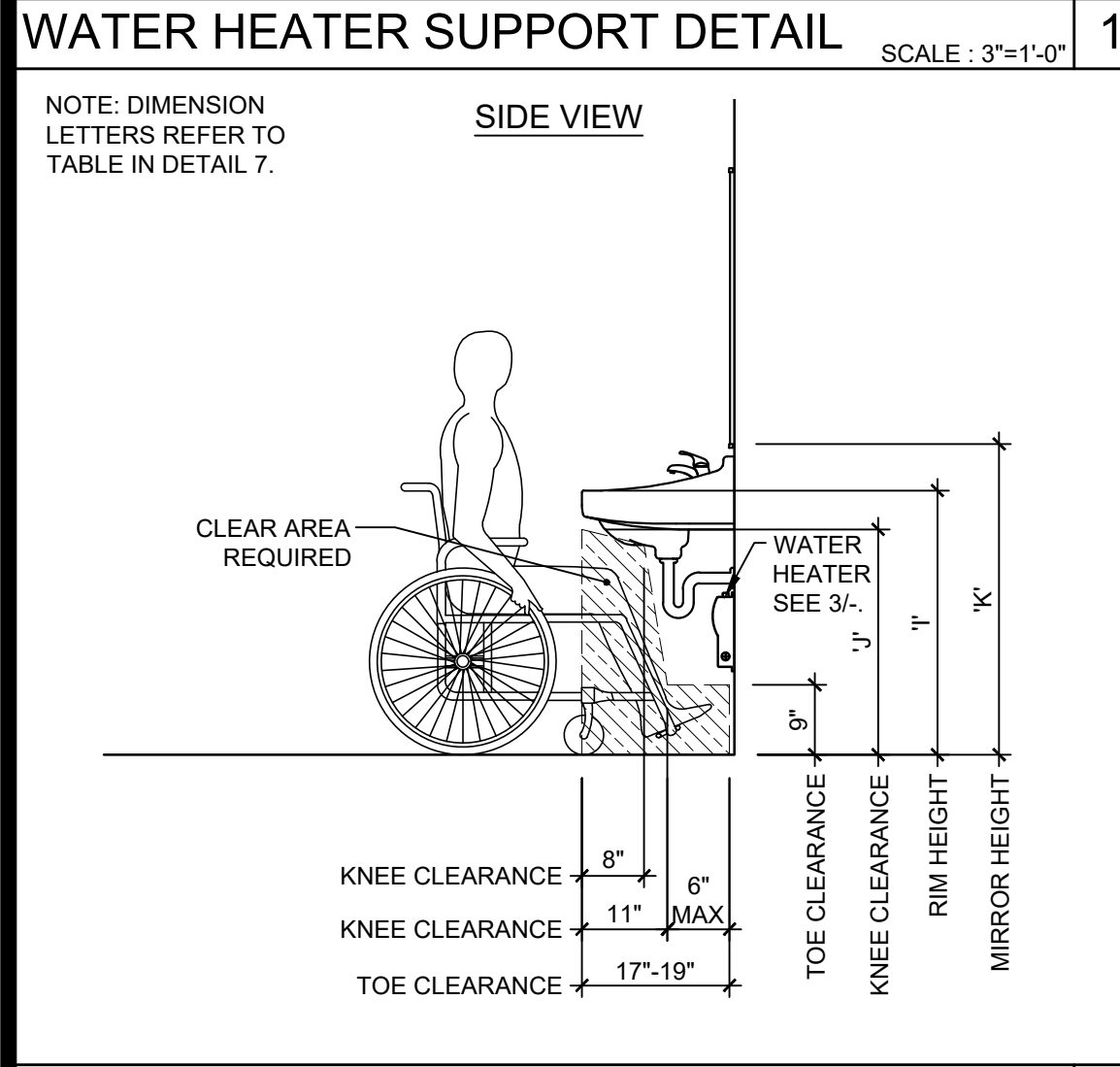
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AMS
 American Modular Systems
 787 Spreckels Ave.,
 Manteca, CA 95336
 Phone (209) 825-1921
 Fax (209) 825-7018
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HEIGHTS FOR ACCESSIBLE FEATURES IN TOILET FACILITIES			
FIXTURE & MEASUREMENT POINT	AGES 9-12	AGES 13 -ADULT	NOTES
A TOILET, CENTERLINE FROM FACE OF WALL	15" TO 18" SUGGESTED	17" MIN. TO 18" MAX.	
B TOILET, TOP OF SEAT HEIGHT	15" TO 17" SUGGESTED	17" MIN. TO 19" MAX.	
C TOILET, TOP OF FLUSH CONTROLS	36" MAX.	44" MAX.	FLUSH CONTROLS SHALL BE LOCATED ON OPEN SIDE OF TOILET.
D GRAB BAR, TOP OF BAR	25" TO 27" SUGGESTED	33" MIN. TO 36" MAX.	
E TOILET PAPER DISPENSER, HEIGHT TO OUTLET	17" TO 19" SUGGESTED	19" MIN.	CENTERLINE OF DISPENSER OUTLET SHALL BE BETWEEN 7" TO 9" IN FRONT OF THE TOILET. OUTLET OF DISPENSER MUST BE BELOW GRAB BAR. DISPENSER (INCLUDING FULL TOILET PAPER ROLL) MUST NOT ENCRUCH INTO REQ'D GRAB BAR CLEARANCE.
F TOILET SEAT COVER, HEIGHT TO TOP OF OUTLET	32" TO 36" SUGGESTED	40" MAX.	
G URINAL, LIP HEIGHT	15" TO 17" SUGGESTED	17" MAX.	
H URINAL, HEIGHT OF FLUSH HANDLE	36" MAX.	44" MAX.	
I LAVATORY, HEIGHT TO HIGHEST POINT AT FRONT OF LAV. OR COUNTER	31" MAX.	34" MAX.	
J LAVATORY, VERTICAL KNEE CLEARANCE	24" MIN.	29"-27" OVER THE 8" DEPTH SHOWN	
K MIRROR (ABOVE LAVATORY OR COUNTERTOP), LOWEST POINT OF REFLECTIVE SURFACE	32" TO 36" SUGGESTED	40" MAX.	MIRROR NOT LOCATED ABOVE LAVATORY OR COUNTERTOP SHALL BE MOUNTED SO THAT LOWEST EDGE OF REFLECTING SURFACE IS 35" MAX. ABOVE FINISH FLOOR.
L DISPENSERS, DRYERS, HEIGHT TO TOP OF OUTLET, HANDLE OR OPERATING MECHANISM (WHICHEVER IS HIGHEST)	32" TO 36" SUGGESTED	40" MAX.	
M LO DRINKING FOUNTAIN, HEIGHT TO BUBBLER	32" TO 36" SUGGESTED	36" MAX.	
N HI DRINKING FOUNTAIN, HEIGHT TO BUBBLER	SAME AS ADULT	38" MIN. TO 43" MAX.	



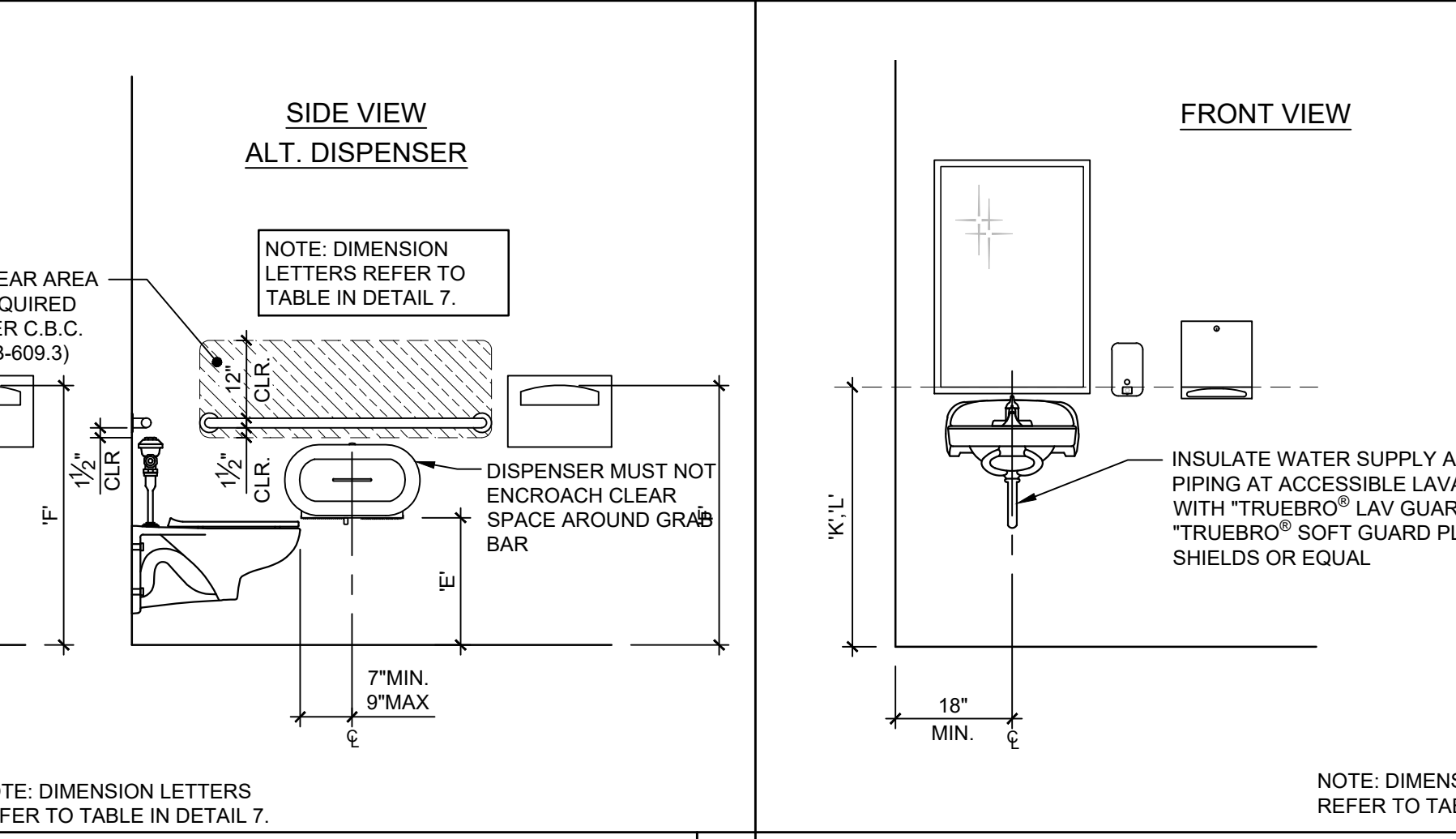
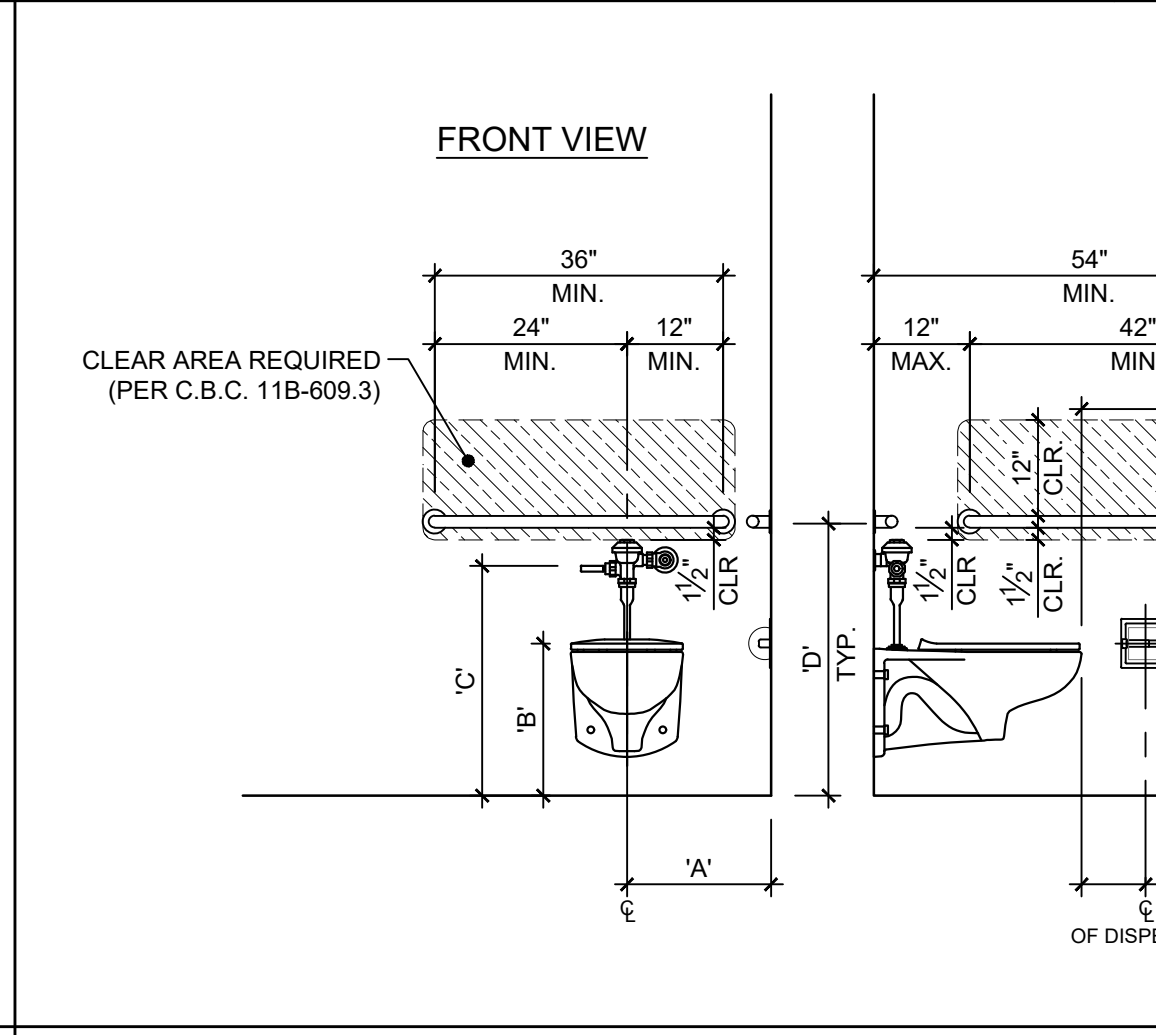
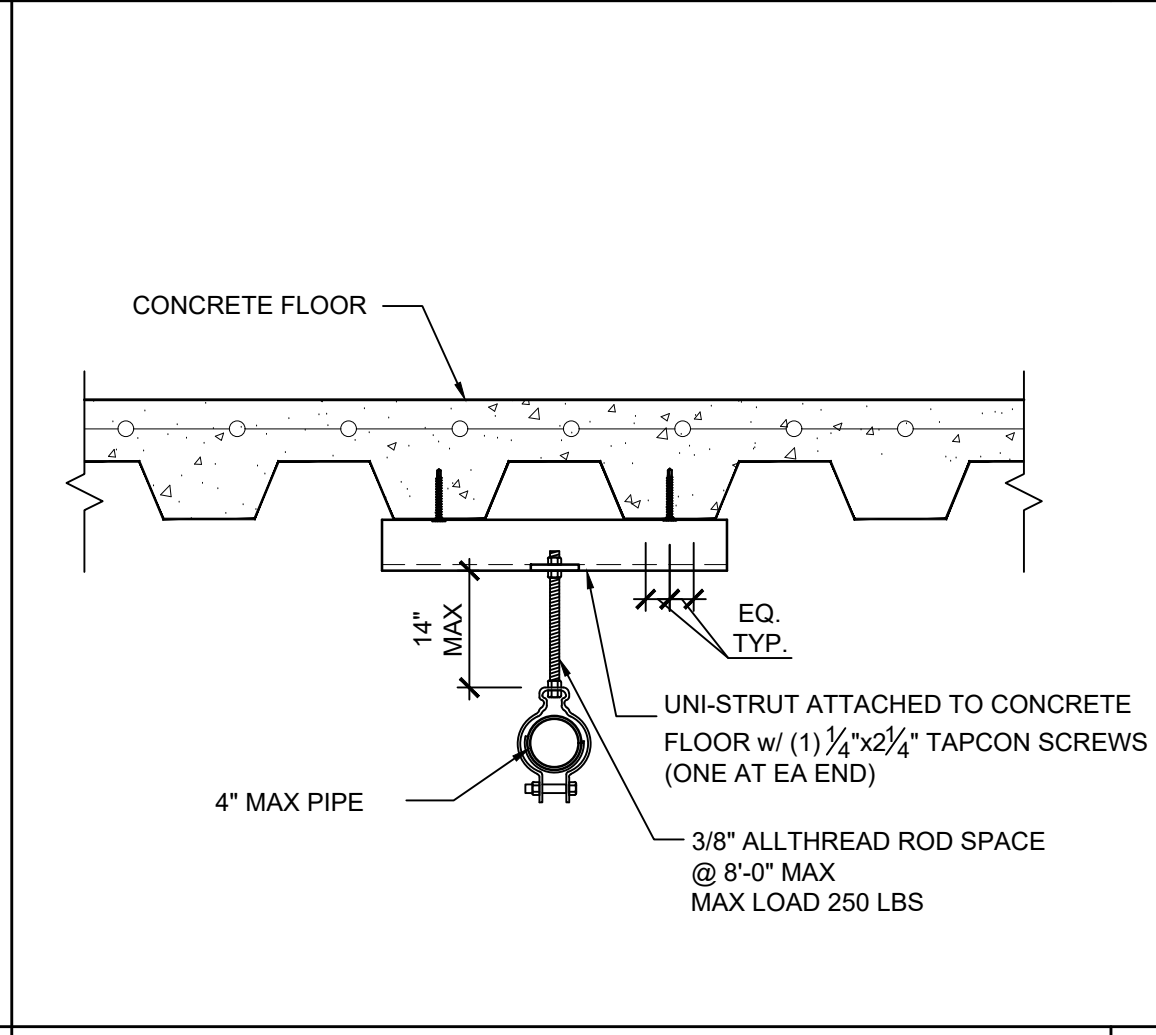
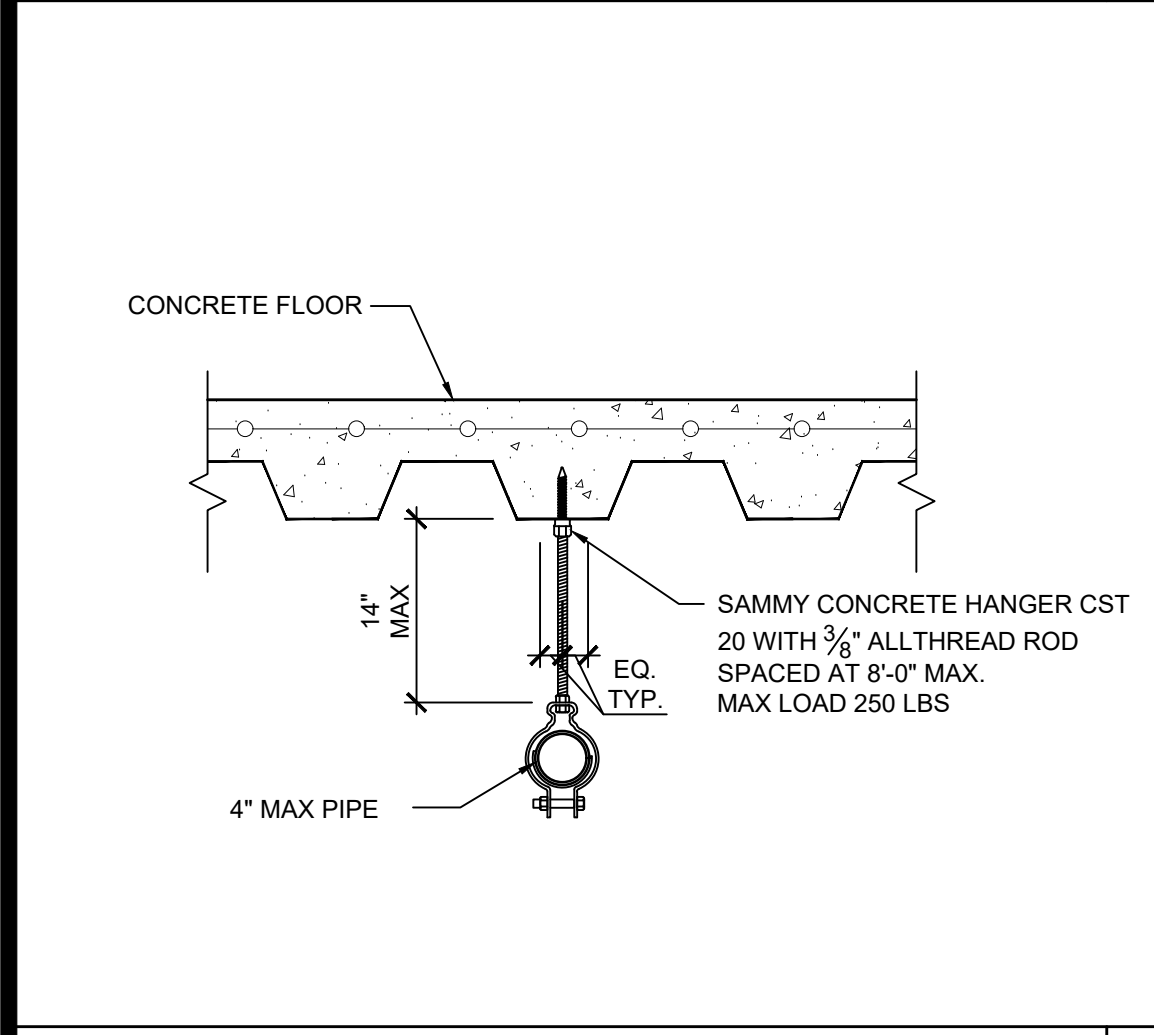
NOTES:
 1. THIS TABLE AND RELATED DIAGRAMS ILLUSTRATE THE SPECIFIC REQUIREMENTS OF CALIF. TITLE 24 (2019 C.B.C. SECTION 11B-601) AND IS SHOWN HERE ONLY AS AN AID FOR CONSTRUCTION AND INSTALLATION.
 2. ACCESSORIES ARE NOT IN MANUFACTURER'S SCOPE OF WORK.
 3. DIMENSIONS GIVEN ARE FROM FINISH FLOOR, UNLESS OTHERWISE NOTED.
 4. NOT ALL ITEMS LISTED MAY OCCUR IN THE PROJECT.
 5. HEIGHTS CHOSEN FOR CHILDREN'S WATER CLOSETS & ACCESSORIES SHALL BE CONSISTENTLY APPLIED FOR THE AGE GROUP.

WATER HEATER SUPPORT DETAIL SCALE: 3/8"=1'-0" 1

TRAP PRIMER DETAIL SCALE: 3/8"=1'-0" 2

INSTANT WATER HEATER DETAIL SCALE: 3/8"=1'-0" 3

HEIGHTS FOR ACCESSIBLE FEATURES IN TOILET FACILITIES N.T.S. 7

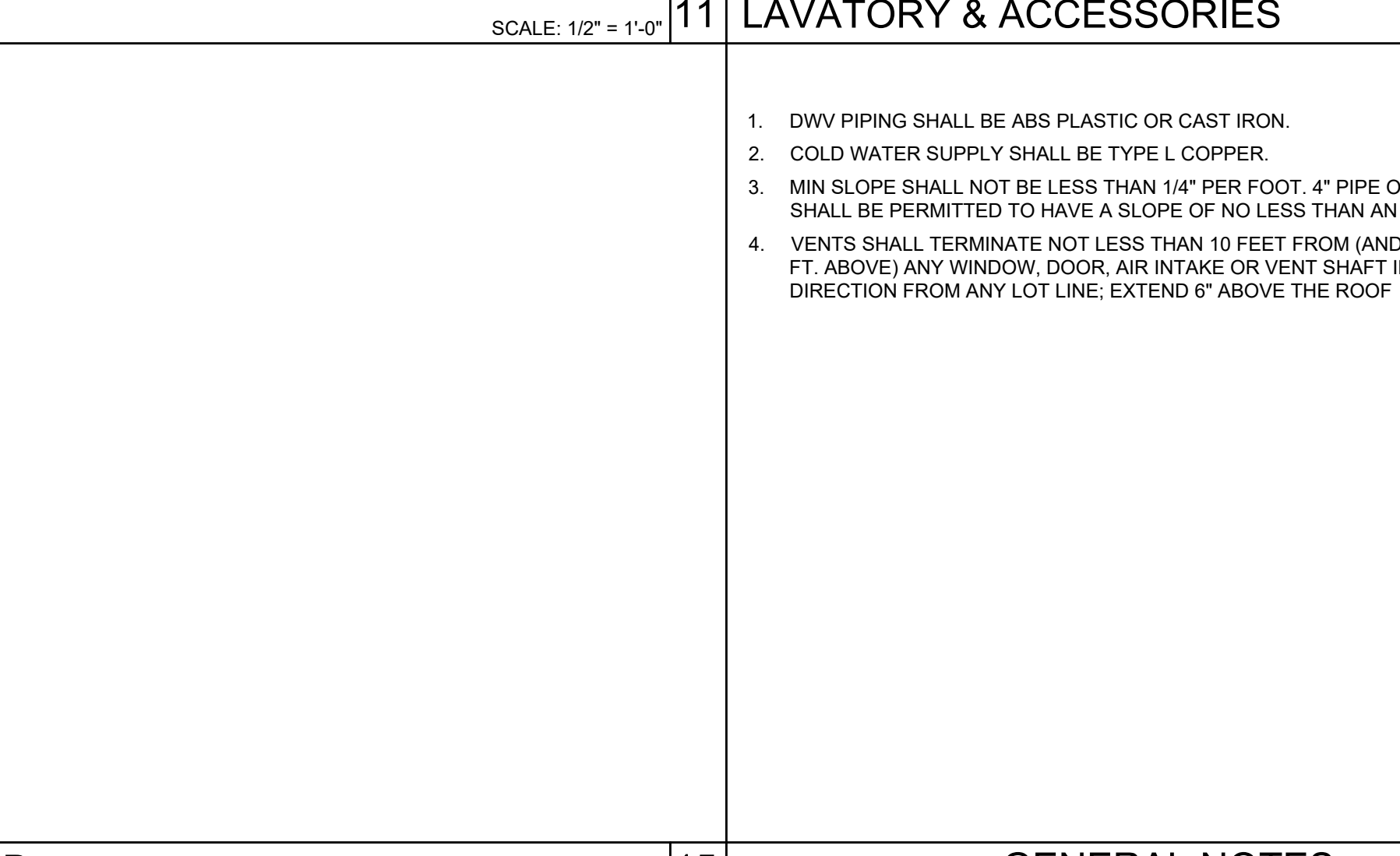
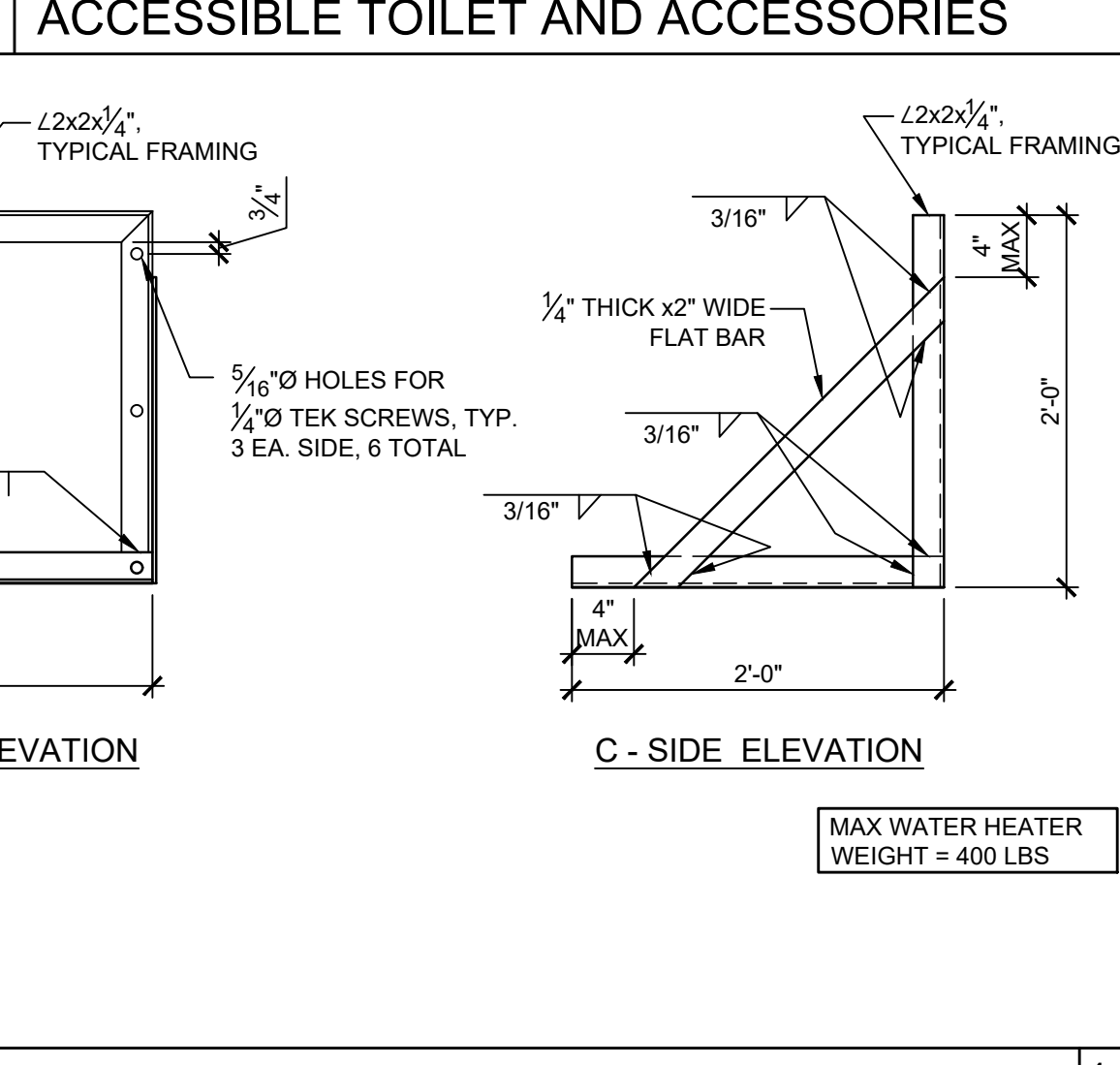
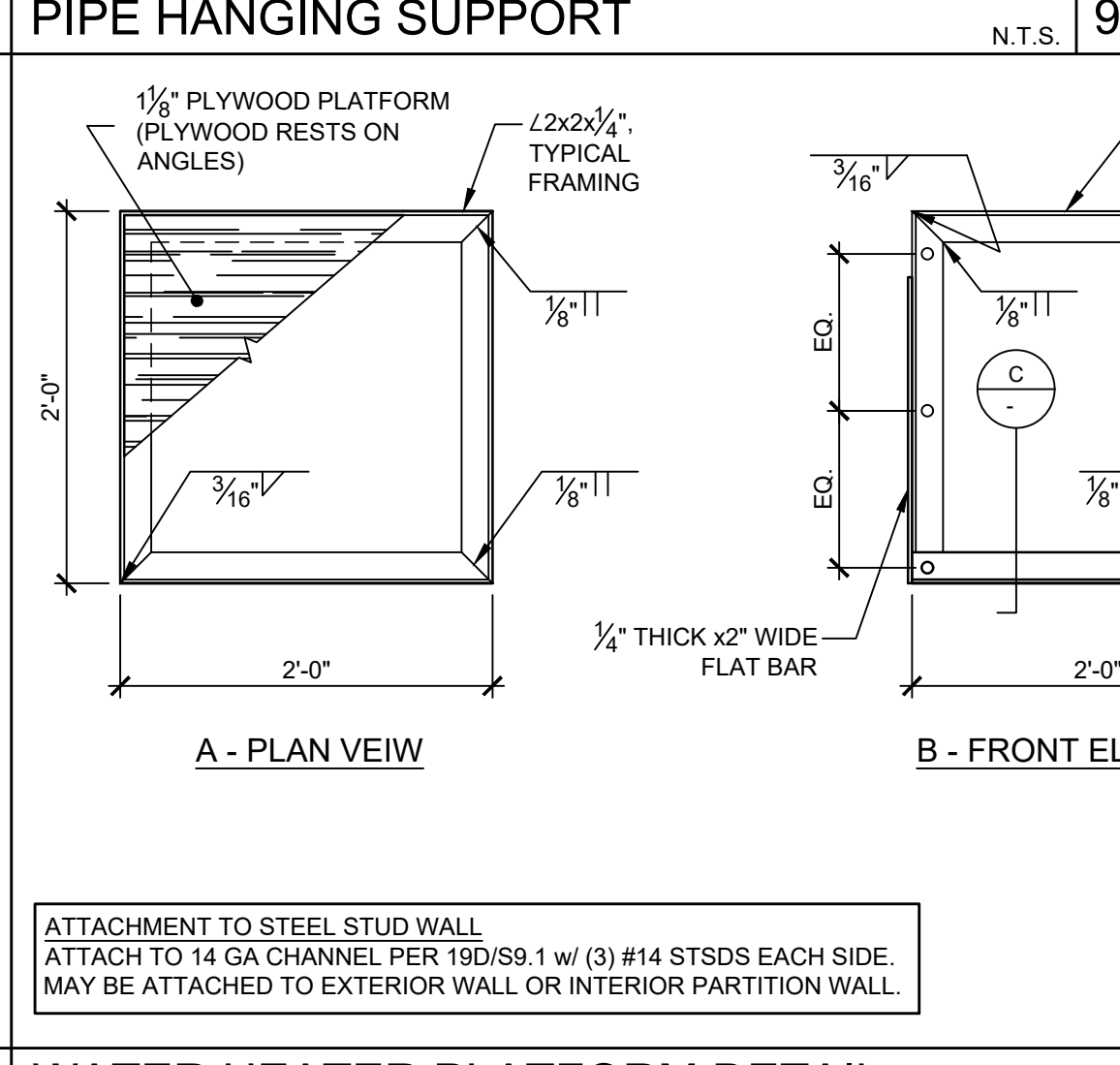
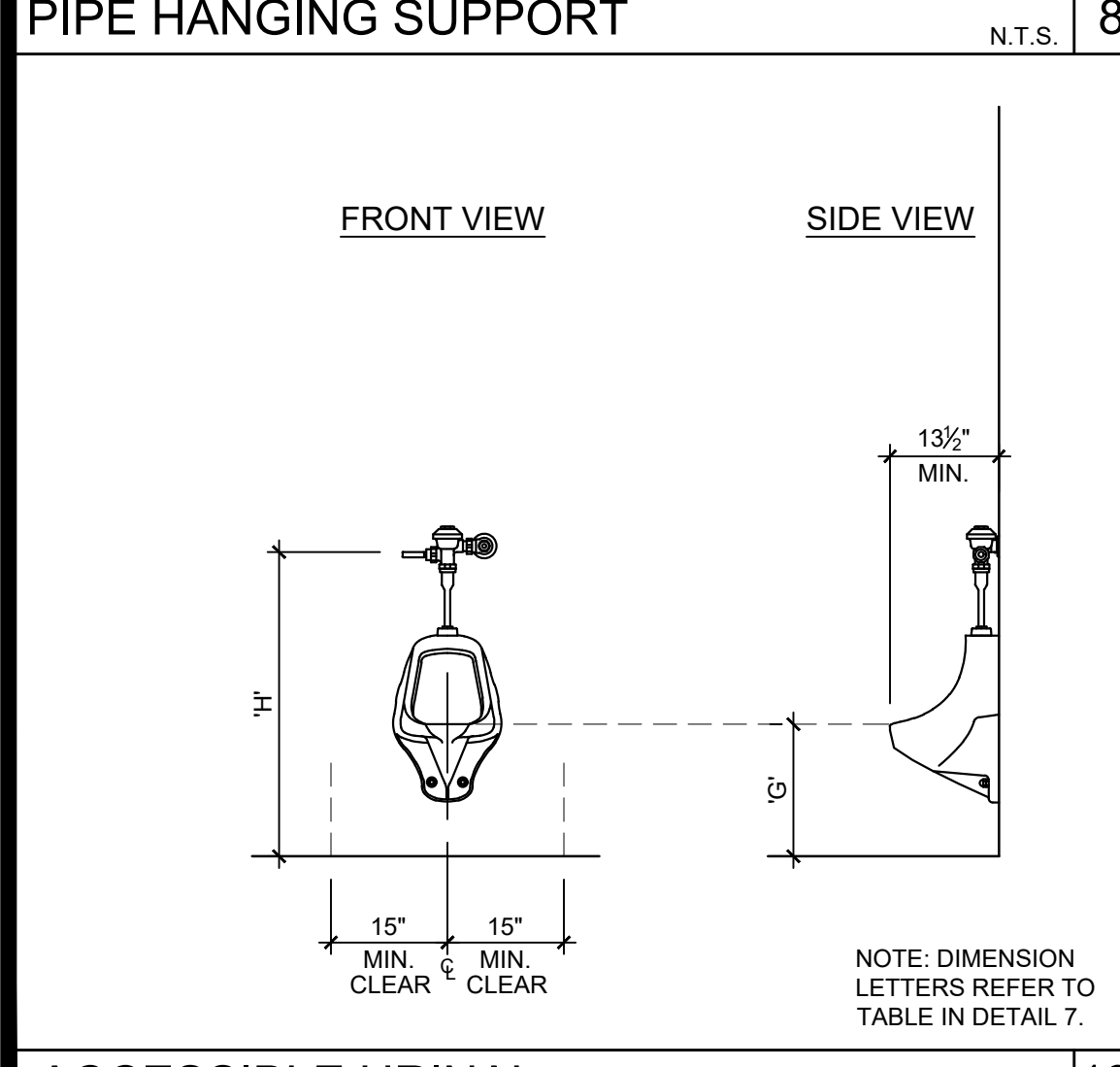


LAVATORY CLEARANCES SCALE: 1/2"=1'-0" 4

NOT USED N.T.S. 5

ACCESSIBLE CABINET ELEVATION N.T.S. 6

ACCESSIBLE HEIGHTS N.T.S. 7



PIPE HANGING SUPPORT N.T.S. 8

WATER HEATER PLATFORM DETAIL SCALE: 1"=1'-0" 14

ACCESSIBLE TOILET AND ACCESSORIES SCALE: 1/2"=1'-0" 11

LAVATORY & ACCESSORIES SCALE: 1/2"=1'-0" 12

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-121419 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 09/29/2021

AMS
 American Modular Systems
 787 Spreckels Ave.,
 Manteca, CA 95336
 Phone (209) 825-1921
 Fax (209) 825-7018
 www.americanmodular.com

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SET NAME
 (1) 144'x40' 2 STORY
 CLASSROOM BUILDING

SITE SPECIFIC PROJECT NAME
 GLENDALE USD
 MONTE VISTA
 ELEMENTARY SCHOOL

MANUFACTURER PROFESSIONAL OF RECORD ON PC

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

REVISIONS

DRAWN BY: AH
 SCALE: AS NOTED
 DATE: 07/05/21
 PROJECT NO: 1614-20
 SHEET TITLE:
PLUMBING DETAILS & ACCESSIBLE DETAILS
 SHEET NUMBER:
P3.0

ACCESSIBLE URINAL SCALE: 1/2"=1'-0" 13

WATER HEATER PLATFORM DETAIL SCALE: 1"=1'-0" 14

NOT USED 15

GENERAL NOTES

- DWV PIPING SHALL BE ABS PLASTIC OR CAST IRON.
- COLD WATER SUPPLY SHALL BE TYPE L COPPER.
- MIN SLOPE SHALL NOT BE LESS THAN 1/4" PER FOOT. 4" PIPE OR LARGER SHALL BE PERMITTED TO HAVE A SLOPE OF NO LESS THAN AN 1/8" PER FOOT
- VENTS SHALL TERMINATE NOT LESS THAN 10 FEET FROM (AND AT LEAST 3 FT. ABOVE) ANY WINDOW, DOOR, AIR INTAKE OR VENT SHAFT IN EVERY DIRECTION FROM ANY LOT LINE; EXTEND 6" ABOVE THE ROOF

DSA-OVERHEAD FIRE SPRINKLER SYSTEM GENERAL NOTES

- A COPY OF THE ORIGINAL PREVIOUSLY APPROVED DSA UNDERGROUND PIPING PLANS OR OTHER WATER SUPPLY COMPONENTS, SUCH AS WATER TANKS, FIRE PUMPS, ETC. FOR THE PROJECT SHALL BE INCLUDED IN ALL AUTOMATIC FIRE SPRINKLER DEFERRED SUBMITTAL PLAN PACKAGES. ALL DEVIATIONS FROM THE PREVIOUSLY APPROVED PLANS SHALL BE JUSTIFIED AND SUBMITTED TO DSA AS A CHANGE ORDER PROCESS AS APPLICABLE. UNDERGROUND PIPING SIZE IS NOT THE RESPONSIBILITY OF DSA AND THE ARCHITECT OF RECORD SHALL ASSUME FULL LIABILITY FOR UNDERSIZED PIPING. SHOULD THE FINAL DESIGN OF THE FIRE SPRINKLER SYSTEM REQUIRE LARGER PIPING, ADDITIONAL WATER SUPPLY, FIRE PUMPS, OR OTHER EQUIPMENT OR ITEMS.
- 2019 NFPA-13, SEC. 16.4.1.1: THE DESIGNER SHALL INDICATE ON THE PLANS, ALL PIPING SUBJECT TO FREEZING (WHERE WATER TEMPERATURE CANNOT BE MAINTAINED ABOVE 40-DEGREES FAHRENHEIT) AND PROVIDE APPROVED PROTECTION.
- 2019 NFPA-13 SEC. 6.10.2.1.1: UNDERGROUND MAINS AND LEAD-IN CONNECTIONS TO SYSTEM RISERS SHALL BE COMPLETELY FLUSHED BEFORE CONNECTION IS MADE TO THE OVERHEAD SPRINKLER PIPING. WHERE UNDERGROUND PIPING IS FLUSHED AND NOT IMMEDIATELY CONNECTED TO THE OVERHEAD PIPING, THE RISER SHALL BE CAPPED OR OTHERWISE PROTECTED TO PREVENT DEBRIS, DIRT, OR ANIMALS FROM ENTERING INTO THE UNDERGROUND PIPING. (THIS MUST BE WITNESSED BY THE PROJECT INSPECTOR.)
- PROVIDE (WET SIGNED) WATER FLOW TEST INFORMATION NO MORE THAN 12 MONTHS OLD, AND INDICATE THE LOCATIONS AND HEIGHT ELEVATION(S) OF THE TEST RESIDUAL FLOW HYDRANTS. WATER FLOW TEST INFORMATION MUST BE PROVIDED BY, OR WITNESSED BY, THE LOCAL WATER PEROYAL, UTILITY COMPANY OR LOCAL FIRE DEPARTMENT. (2016 CFC, 508.4)
- ARCHITECT OF RECORD (AOR), MECHANICAL ENGINEER (ME) AND FIRE PROTECTION CONTRACTOR (C-16) SHALL AFFIX THEIR SEAL, STAMP AND SIGN ALL SUBMITTALS, OR PROVIDE DOCUMENTATION PER DSA IR-18.
- 2019 NFPA-13 SEC. 16.2.7.5 AND SEC. 16.2.7.6: PROVIDE A SPARE SPRINKLER HEAD CABINET, SPRINKLER WRENCH, AND NO FEMER THROCK (6) SPRINKLER HEADS MATCHING THE TYPES AND TEMPERATURE RATING IN EACH PROTECTED AREA FOR SYSTEMS LESS THAN 300 SPRINKLERS (12 SPARE SPRINKLER HEADS FOR SYSTEMS OF 300 TO 1,000 SPRINKLERS.)
- 2019 NFPA-13 SEC. 16.12.5.8.1: SIGNAGE SHALL BE PROVIDED AS REQUIRED.
- 2019 NFPA-13 SEC. 18.6.3: THE END (AST) SPRINKLER ON EACH LINE SHALL BE RESTRAINED AGAINST EXCESSIVE VERTICAL AND LATERAL MOVEMENT.
- 2019 NFPA-13 FIGURE 6.10.1: A COPY OF THE COMPLETED AND SIGNED "CONTRACTOR'S MATERIAL & TEST CERTIFICATE FOR UNDERGROUND PIPING" SHALL BE INCLUDED WITH THE SUBMITTAL.
- 2019 NFPA-13 SEC. 6.10.2.2.1: ALL PIPING AND ATTACHED APPURTENANCES SUBJECTED TO WORKING PRESSURE SHALL BE HYDROSTATICALLY TESTED AT 200-PSI, OR 50-PSI IN EXCESS OF SYSTEM WORKING PRESSURE, WHICHEVER IS GREATER, AND SHALL MAINTAIN THAT PRESSURE WITHOUT LOSS FOR 2 HOURS. (TEST TO BE WITNESSED BY PROJECT INSPECTOR.)
- 2019 NFPA-13 SEC. 28.1: SPRINKLER CONTRACTOR SHALL COMPLETE AND SIGN THE CONTRACTOR'S MATERIAL AND TEST CERTIFICATE FOR THE ABOVE GROUND PIPING. THIS FORM SHALL BE GIVEN TO THE PROJECT INSPECTOR WHO WILL FORWARD IT TO DSA FOR FILING IN PROJECT RECORDS.
- 2019 NFPA-13 SEC. 28.5: A PERMANENT HYDRAULIC CALCULATION DESIGN INFORMATION PLACARD SHALL BE ATTACHED TO EACH RISER.
- 2019 NFPA-13 SEC. 28.2.3.1: THE SPRINKLER FLOW SWITCH SHALL BE TESTED TO CONFIRM THAT WHEN THE INSPECTOR'S TEST VALVE IS OPENED, AN ALARM WILL SOUND NO MORE THAN 90-SECONDS AFTER THE INITIAL FLOW. (TEST TO BE WITNESSED BY THE PROJECT INSPECTOR.)
- 2019 CBC, SEC. 903.4.1: THE MAIN FIRE ALARM PANEL VALVE MONITORING, WATER-FLOW AND TROUBLE SIGNALS SHALL BE DISTINCTLY DIFFERENT, AND SHALL AUTOMATICALLY BE TRANSMITTED TO AN APPROVED CENTRAL STATION MONITORING COMPANY.
- 2019 NFPA-13 SEC. 16.17: AND 2016 CBC, 903.4.2: THE FLOW SWITCH SHALL BE CONNECTED TO AN APPROVED EXTERIOR ALARM BELL OR OTHER AUDIBLE ALARM DEVICE (SIZE NOT MANDATED BY CODE) AT EACH RISER. APPROVED IDENTIFICATION SIGNS STATING "SPRINKLER FIRE ALARM-WHEN ALARM SOUNDS CALL 911/FIRE DEPARTMENT" SHALL BE INSTALLED ON THE EXTERIOR ALARM BELL.
- 2016 CBC, SEC. 904.4.3: CONNECTIONS TO PROTECTED PREMISES AND SUPERVISING STATION FIRE ALARM SYSTEMS SHALL BE TESTED TO VERIFY PROPER IDENTIFICATION AND TRANSMISSION OF ALARM SIGNALS FROM AUTOMATIC FIRE EXTINGUISHING SYSTEMS. (TEST TO WITNESSED BY PROJECT INSPECTOR.)
- 2016 CBC, 903.4.2 AND 2019 NFPA-13 SEC. 16.14.2.1 THRU SEC. 8.17.4.2.4: THE INSPECTOR'S TEST VALVE LOCATION SHALL BE INSTALLED DOWNSTREAM OF THE ALARM DEVICE (WATERFLOW SWITCH). THE PIPE SIZE SHALL BE NO LESS THAN 1-INCH, WITH A SMOOTH BORE, CORROSION RESISTANT ORIFICE, PROVIDING EQUIVALENT FLOW OF THE SMALLEST ORIFICE OF THE SPRINKLER TYPES INSTALLED ON THE SYSTEM. THE DISCHARGE SHALL BE TO THE EXTERIOR OF THE BUILDING.
- CCR TITLE-19 (PUBLIC SAFETY), ARTICLE 906 (A): A LABEL OF THE SELF-ADHESIVE TYPE SHALL BE PLACED ON THE FIRE DEPARTMENT CONNECTION (FDC) OR ON THE RISER FOR THE FIRE SPRINKLER SYSTEM, INDICATING THE DATE OF THE INSTALLATION AND/OR THE DATE SERVICE WAS PERFORMED, AND THE LICENSE NUMBER OF THE PERSON PERFORMING THE SERVICE WORK.

GENERAL NOTES

- THIS PLAN DETAILS THE FIRE SPRINKLER SYSTEM FOR:
MONTE VISTA E.S. 2-STORY
2620 ORANGE AVE
LA CRESCENTA, CA
- BUILDING CONSTRUCTION TYPE: VB
- BUILDING OCCUPANCY: E
- BUILDING AREA: (2 FLOORS) 144' X 40' = 11,520 sq. ft.
CORRIDOR 1,152 sq. ft.
- ALL DESIGN AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 13--2019 EDITION.
- SYSTEM IS DESIGNED FOR LIGHT HAZARD OCCUPANCY @ 0.10 GPM/SQ.FT. OVER THE HYDRAULICALLY AREA + 100 GPM OUTSIDE HOSE STREAM ALLOWANCE. (AREA REDUCED PER NFPA-13, WITH USE OF QUICK RESPONSE HEADS.) BELOW CEILING SPRINKLERS ARE @ MAXIMUM 225 SQ.FT. SPACING. ATTIC SPRINKLERS ARE AT MAX. 168 SQ.FT. SPACING.
- MAIN FITTING NOTES:
A. ALL SPRINKLER MAIN PIPING 2"-4" TO BE SCH.10 PER NFPA-13
B. ALL MAIN OUTLETS TO BE UL LISTED (GROOVED AND OR FEMALE THREADED FOR MECH. TEES)
C. WELDING TO BE PERFORMED I.A.W. NFPA-13, IF REQUIRED.
D. ALL MAIN FITTINGS TO BE ROLL-GROOVED.
E. ALL MAIN COUPLINGS TO BE ROLL-GROOVED, NON-FLEXIBLE, UNO.
- BRANCH LINE FITTING NOTES:
A. BRANCH LINE PIPING (THREADED) 1"-2" TO BE THREADED SCH-30 OR 40 PER NFPA-13, WITH STANDARD WEIGHT (125 LB) SCREWED CAST OR DUCTILE IRON FITTINGS. CLEARANCE SHALL BE PROVIDED AROUND ALL PIPING EXTENDING THROUGH WALLS AND FLOORS. HOLES SHALL BE 2" LARGER THAN THE DIAMETER FOR 1" TO 3" AND 4" LARGER THAN THE DIAMETER FOR PIPES 4" AND LARGER.
10. ALL FIRE SPRINKLER SYSTEM EQUIPMENT TO BE UNDERWRITER LABORATORY (UL) LISTED AND CONSISTENT WITH NFPA-13.
11. ALL PIPE HANGERS TO BE IN ACCORDANCE WITH NFPA-13 AND DWG.-DETAILS.
12. ALL SWAY (EARTHQUAKE) BRACING, SIZE, LOCATION, SPACING, AND CONNECTIONS TO BE IN ACCORDANCE WITH NFPA-13, SEE DETAIL AND ZONE OF INFLUENCE CALCULATIONS FOR INFORMATION ON SPACING, BRACE TYPE, AND ATTACHMENT METHOD.
13. ALL ARM-OVERS TO BE 1" X 0-4" UNLESS NOTED OTHERWISE.
14. ON THE END HANGER, ATR SHALL BE TIGHTENED DOWN AGAINST THE TOP OF PIPE TO PREVENT MOVEMENT.
15. SPRINKLERS SHOWN IN ACOUSTICAL CEILING TILES ARE NOT NECESSARILY IN CENTER OF TILE.
16. ALL ELECTRICAL WIRING AND MONITORING OF ALARMS AND/OR SUPERVISORY SWITCHES ASSOCIATED WITH THE FIRE SPRINKLER SYSTEM TO BE PERFORMED BY OTHERS, PRIOR TO FINAL INSPECTION.
17. UPON COMPLETION OF THE INSTALLATION A 200 PSI HYDRO TEST FOR 2-HRS WILL BE PROVIDED FOR INSPECTION.
18. UNDERGROUND PIPING SHALL BE FLUSHED PER NFPA-13, PRIOR TO CONNECTION TO SPRINKLER SYSTEMS.
19. D & B FIRE EXTENT OF WORK TO BE AT BASE OF RISER--(SEE RISER DETAIL)
20. A SPARE HEAD BOX WITH HEADS AND WRENCH SHALL BE PROVIDED AT EACH RISER.
21. UPON COMPLETION, THE FOLLOWING SHALL BE PROVIDED TO OWNER: COMPLETED CONTRACTORS' MATERIAL & TEST CERTIFICATE; COPY OF NFPA-25
22. DEVIATIONS FROM APPROVED PLANS SHALL REQUIRE PERMISSION OF THE AUTHORITY HAVING JURISDICTION (NFPA-13-2019 EDITION, SECTION 27.1.2)

SEE SHEET FS-2 FOR ZONE OF INFLUENCE OUTLINE

PIPE SCH.	PIPE SIZE	LENGTH, QUANTITY	WEIGHT OF WATER FILLED PIPE	COMBINED WEIGHT OF ALL PIPE IN ZONE (Wp)	Cp VALUE	ADJUSTED ASSIGNED LOAD
10	2 1/2" (5.89) X 48'		283 LBS.	283 LBS.	(1.26)	357 LBS.
PERCENTAGE(15) FOR FITTINGS AND DEVICES:						54 LBS.
TOTAL LOAD:						411 LBS. (Fp)

(Sg) VALUE	EARTHQUAKE BRACE CALCULATIONS	LATERAL BRACE
2.7	ZONE OF INFLUENCE CALCULATIONS (PER 2016 NFPA 13-TABLE 18.5.9.3)	

PIPE SCH.	PIPE SIZE	LENGTH, QUANTITY	WEIGHT OF WATER FILLED PIPE	COMBINED WEIGHT OF ALL PIPE IN ZONE (Wp)	Cp VALUE	ADJUSTED ASSIGNED LOAD
10	2 1/2" (5.89) X 24'		141 LBS.	141 LBS.		
40	1 1/4" (2.93) X 19'		56 LBS.	480 LBS.	(1.26)	605 LBS.
40	1" (2.05) X 138'		283 LBS.	480 LBS.		91 LBS.
PERCENTAGE(15) FOR FITTINGS AND DEVICES:						91 LBS.
TOTAL LOAD:						696 LBS. (Fp)

EARTHQUAKE BRACE CALCULATIONS			
ASSIGNED LOAD: ADJUSTED (SEE ZONE OF INFLUENCE CALCULATIONS ABOVE)			
SPRINKLER MAIN SIZE	MAX. BRACE SPACING	MAX. BRACE ANGLE	MAX. HORIZ. LOAD
2 1/2"	24' LAT. - 48' LONG.	59° FROM VERT.	1310 LBS.

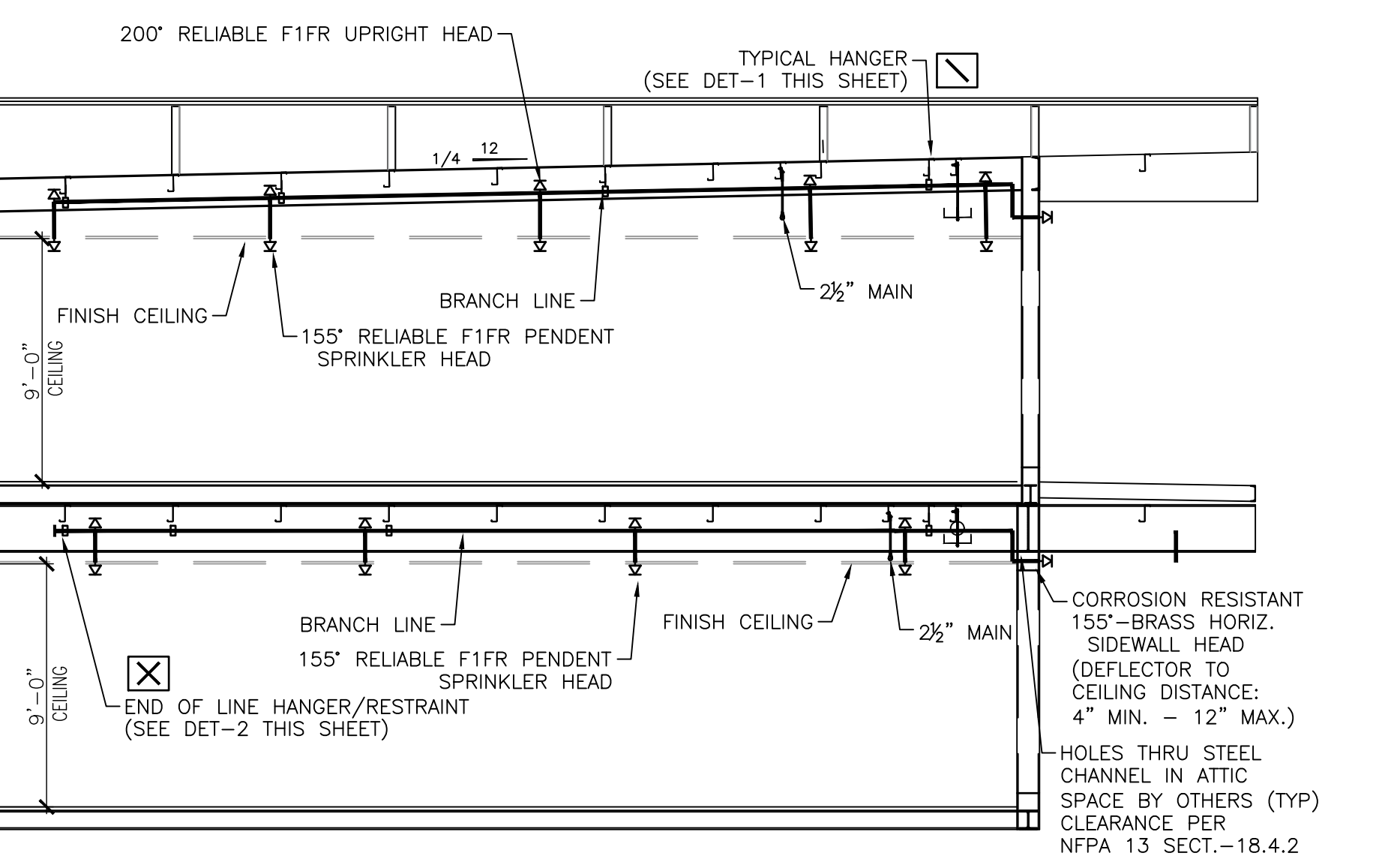
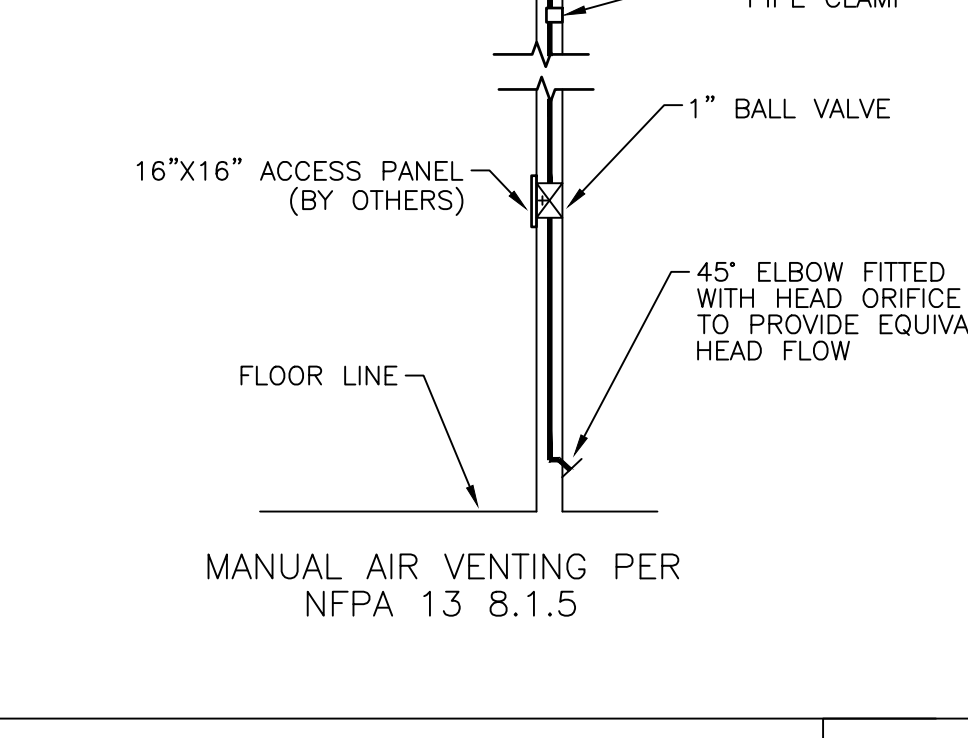
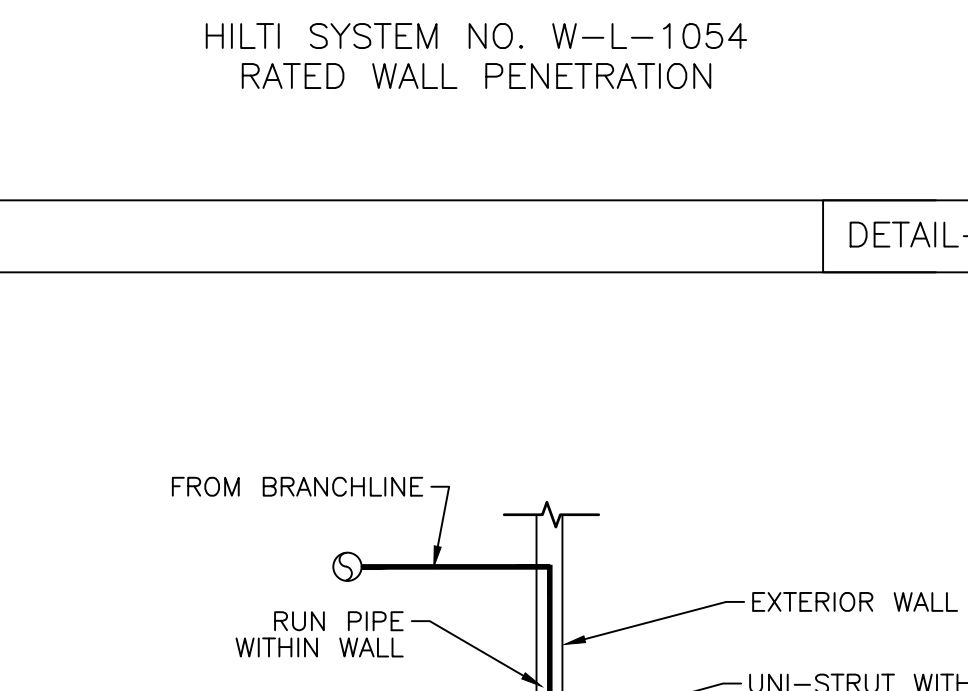
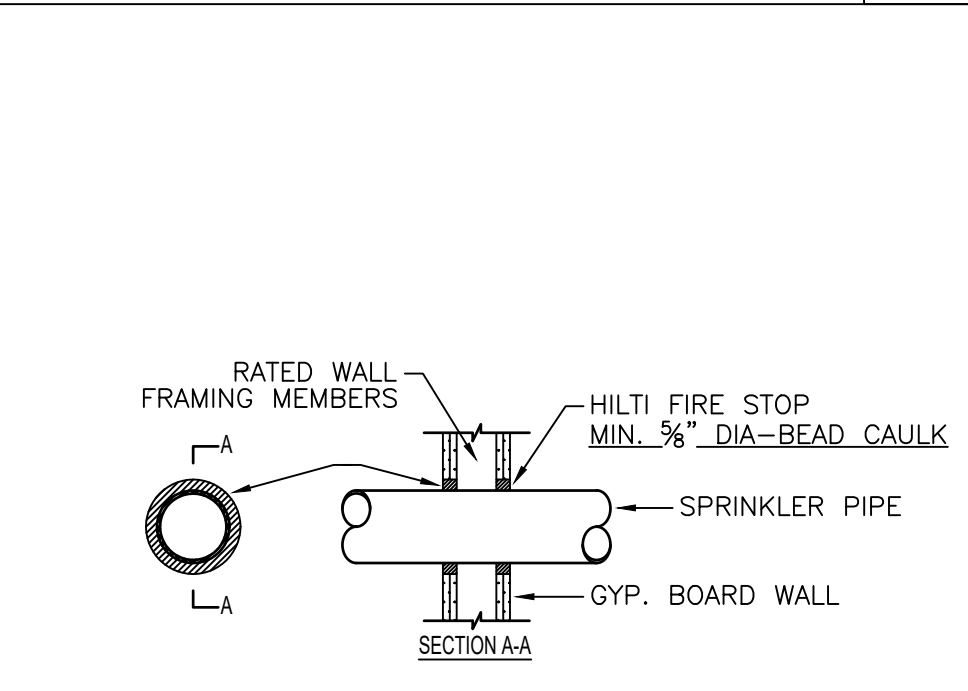
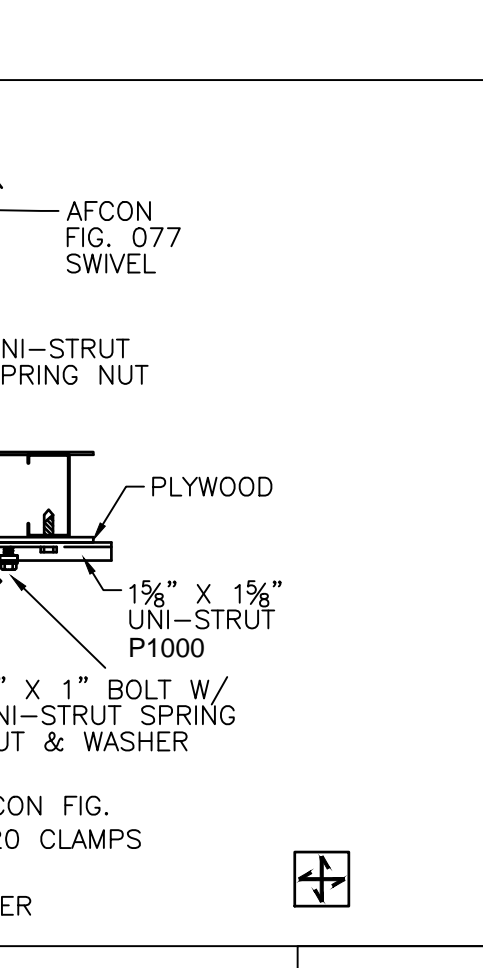
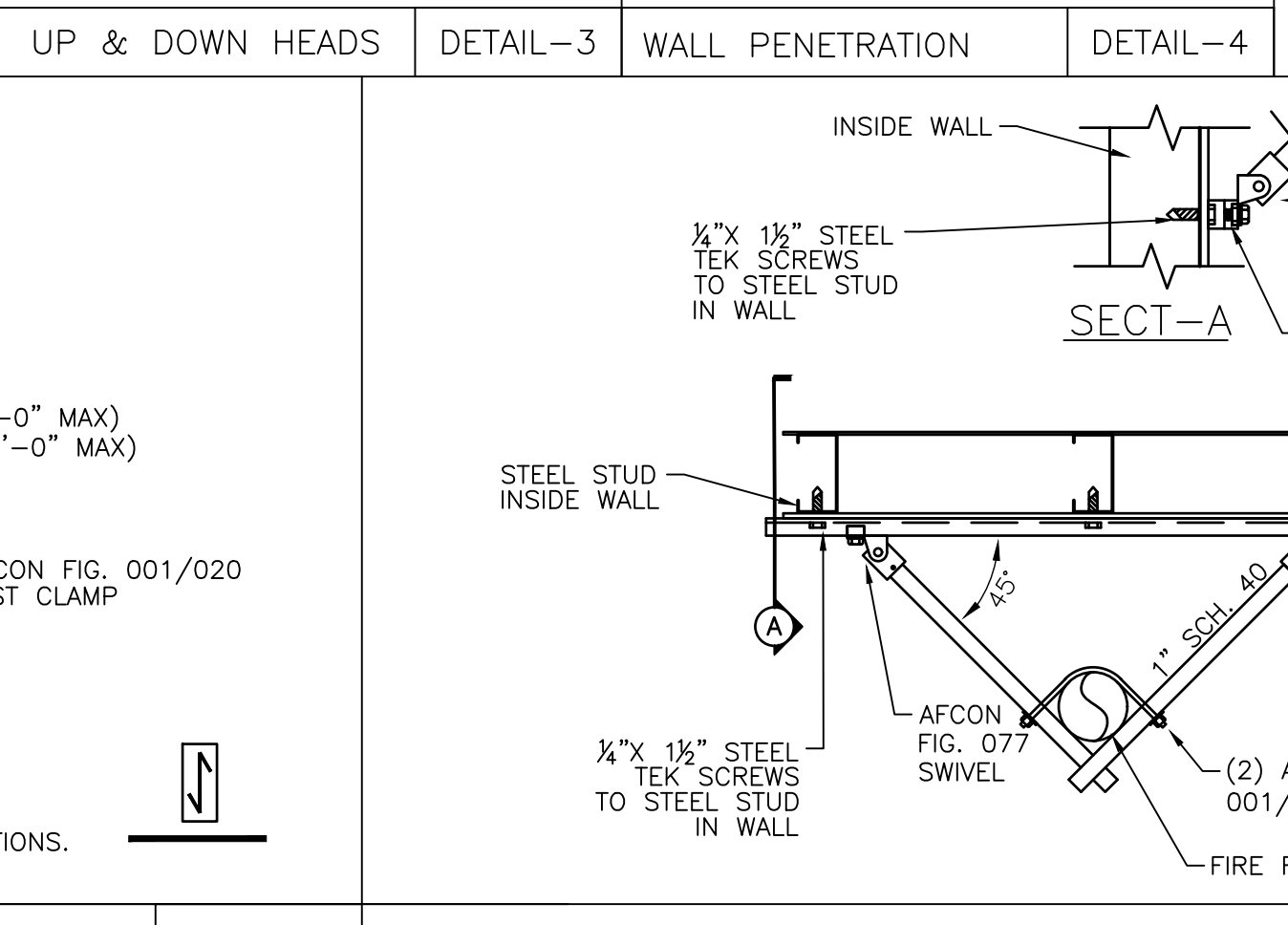
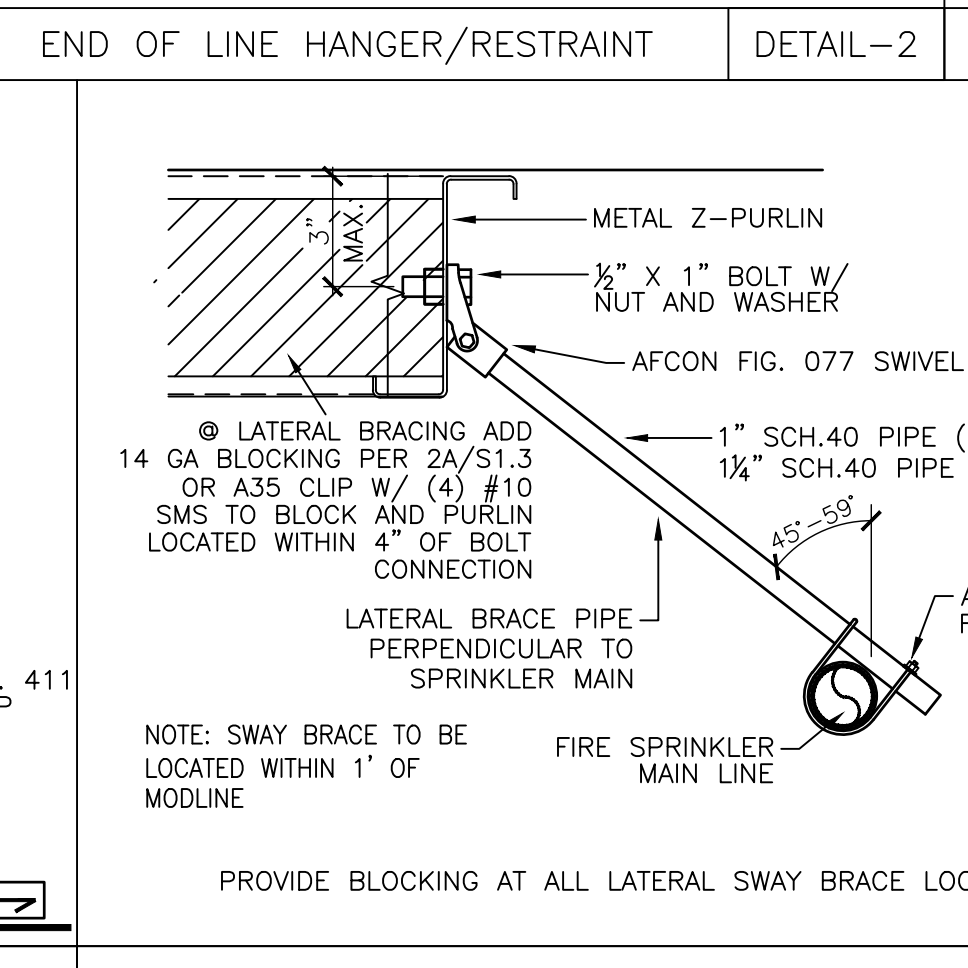
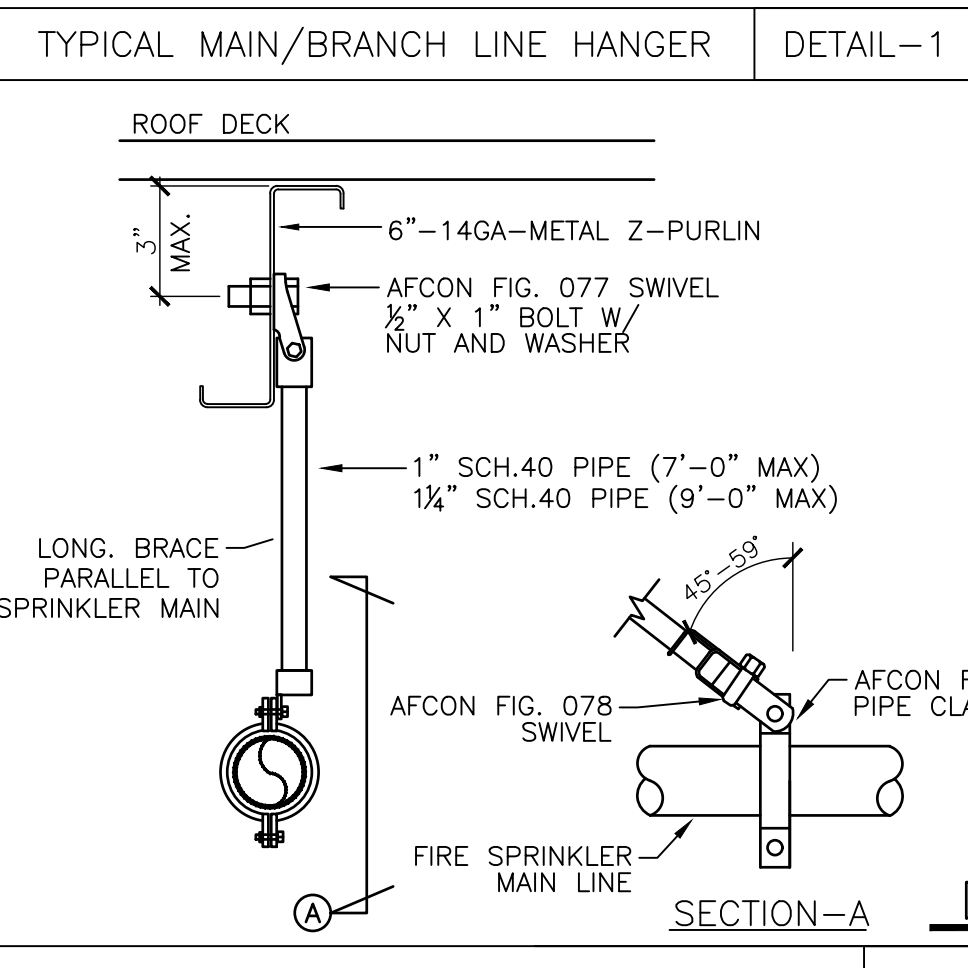
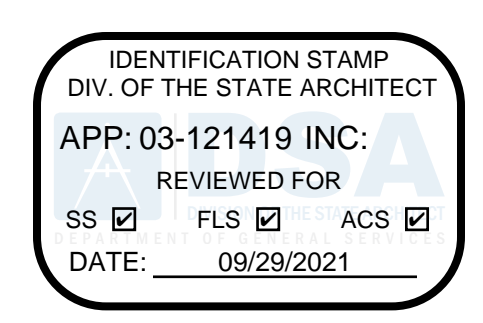
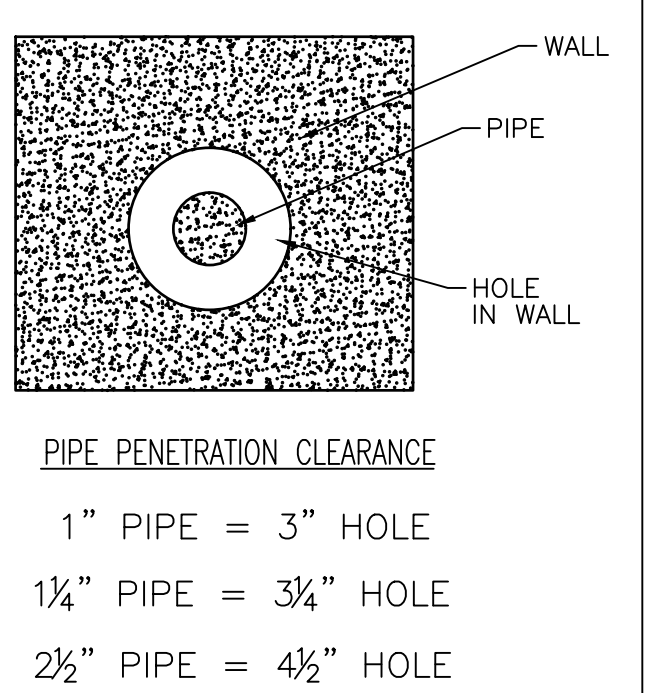
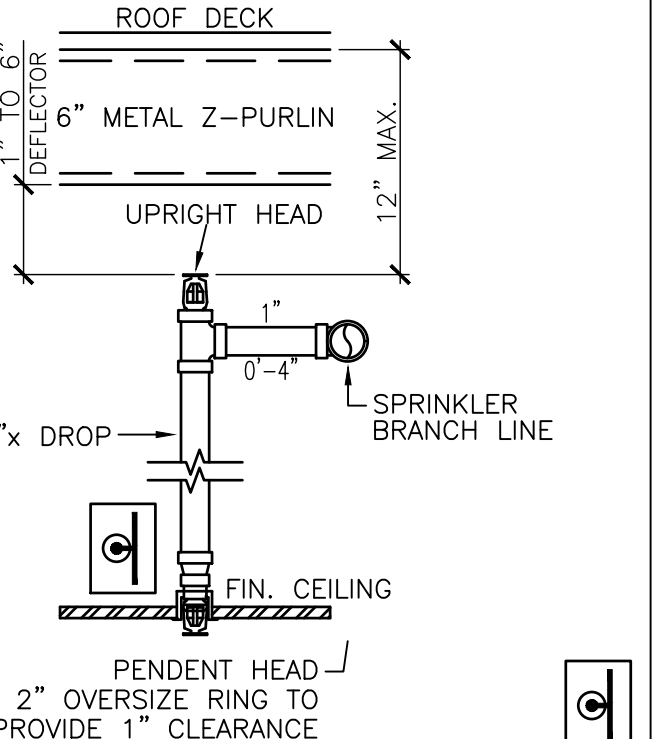
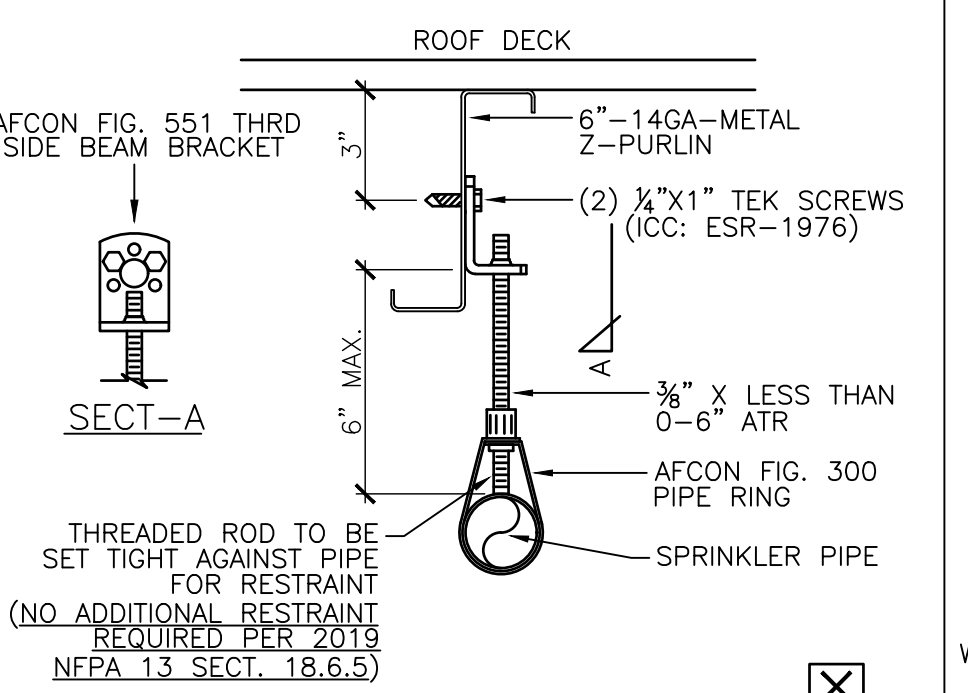
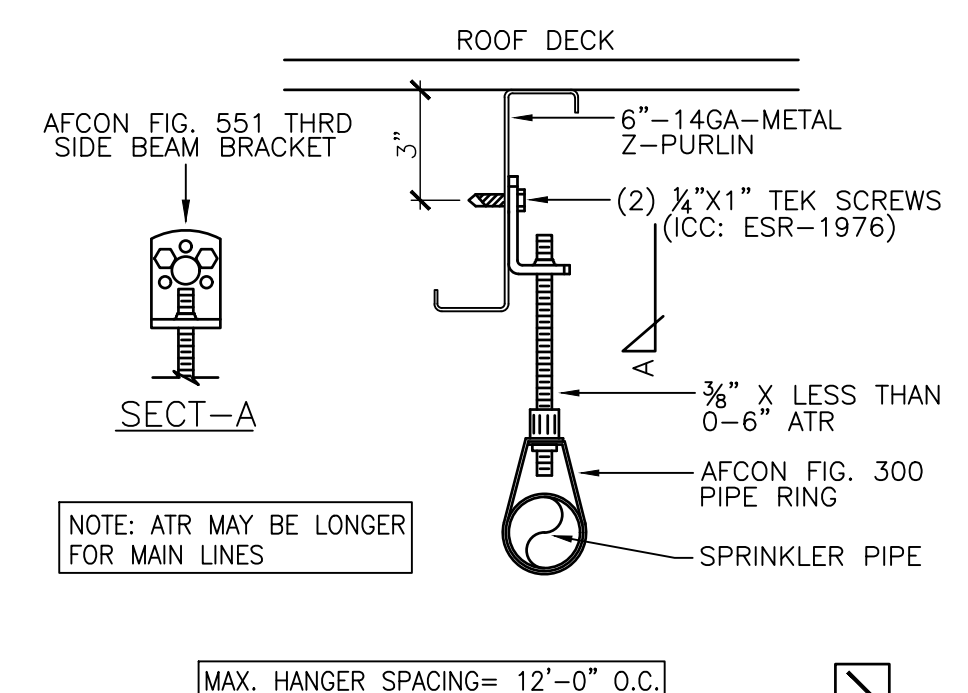
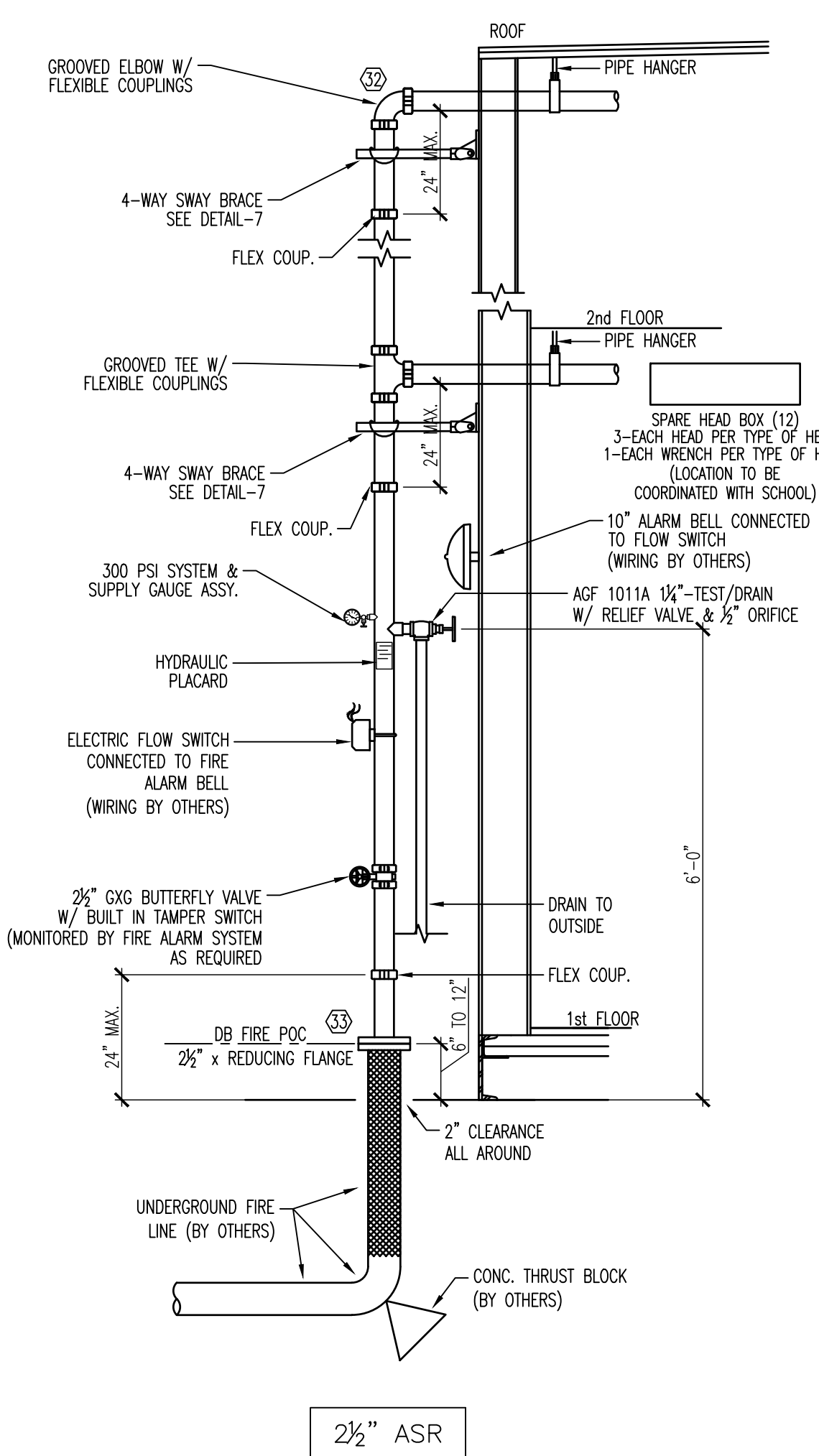
BRACE PIPE SIZE	MAX LENGTH	MAX BRACE ANGLE	MAX HORIZ. LOAD
1"	7'-0"	59° FROM VERT.	1310 LBS.

FASTENER SIZE: TABLE 18.5.12.1			
PER STEEL CONN. & ANGLE OF BRACE			
FASTENER SIZE/TYPE	BRACE ANGLE (DIAGRAM)	MAX ASSIGNED LOAD	
1/2" X 1 1/2" HEX BOLT	45°-59° FROM VERT.(FIG.E)(STEEL CONN.)	2050 LBS.	

SEISMIC BRACE ATTACHMENT	
STRUCTURAL ATTACHMENT FITTING BRACING SYSTEM	
MAKE: AFCON	MODEL: 077
LISTED LOAD RATING: 2015	ADJUSTED LOAD RATING PER 9.3.5.11.8: 1612 (LB)
SWAY BRACE (PIPE ATTACHMENT) FITTING:	
MAKE: AFCON	MODEL: 001/020
LISTED LOAD RATING: 800	ADJUSTED LOAD RATING PER 18.5.11.8: 640 (LB)

HANGER/RESTRAINT NOTE

- ** LATERAL BRACING IS NOT REQUIRED ON PIPES INDIVIDUALLY SUPPORTED BY RODS LESS THAN 6" LONG, PER 2019 NFPA-13, DETAIL-18.6.5
- ** THE END OF LINE RESTRAINT DETAIL #2 ON THIS PLAN WILL RESTRAIN END SPRINKLER AGAINST EXCESSIVE VERTICAL MOVEMENT, AND LATERAL MOVEMENT IS LIMITED BY THE SHORT RODS (6" OR LESS) WHICH MEET THE ABOVE EXCEPTION FOR LATERAL BRACING. NO ADDITIONAL BRACING OR SPLAY WIRE IS REQUIRED ON BRANCH LINES.



BUILDING CROSS SECTION - A
SCALE: 3/16" = 1'-0"

TABLE 10.2.4.2.1(a) Sprinkler Head Protection area & spacing for Light Hazard			
CONSTRUCTION TYPE:	SYSTEM TYPE:	MAXIMUM PROTECTION AREA	MAXIMUM SPACING
NON-COMBUSTIBLE UNOBSTRUCTED	HYDRO CALCD	225sq.ft.	15 ft.
COMBUSTIBLE UNOBSTRUCTED	HYDRO CALCD	225sq.ft.	15 ft.

WATER FLOW INFO.

STATIC: 140 PSI
RESIDUAL: 130 PSI
FLOW: 1,350 GPM

INFORMATION FROM:
GUARD FIRE PROTECTION
DATED: 11-10-2020

HANGER LEGEND

NEW UNDERGROUND PIPING
EXISTING UNDERGROUND PIPING
POST INDICATOR VALVE (PIV)
KEY VALVE
FIRE DEPARTMENT CONNECTION (FDC)
FIRE HYDRANT

UNDERGROUND FIRE MAIN

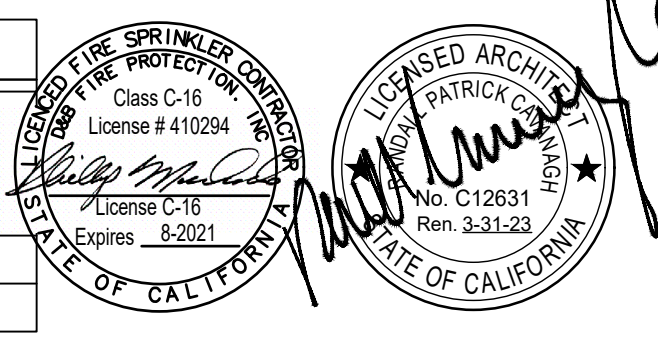
NEW UNDERGROUND PIPING
EXISTING UNDERGROUND PIPING
POST INDICATOR VALVE (PIV)
KEY VALVE
FIRE DEPARTMENT CONNECTION (FDC)
FIRE HYDRANT

AUTHORITY HAVING JURISDICTION

DATE: BY: REVISIONS:

SEAL OF THE FIRE PROTECTION CONTRACTOR
CLASS C-16
LICENSE # 410294
EXPIRES 8-2021

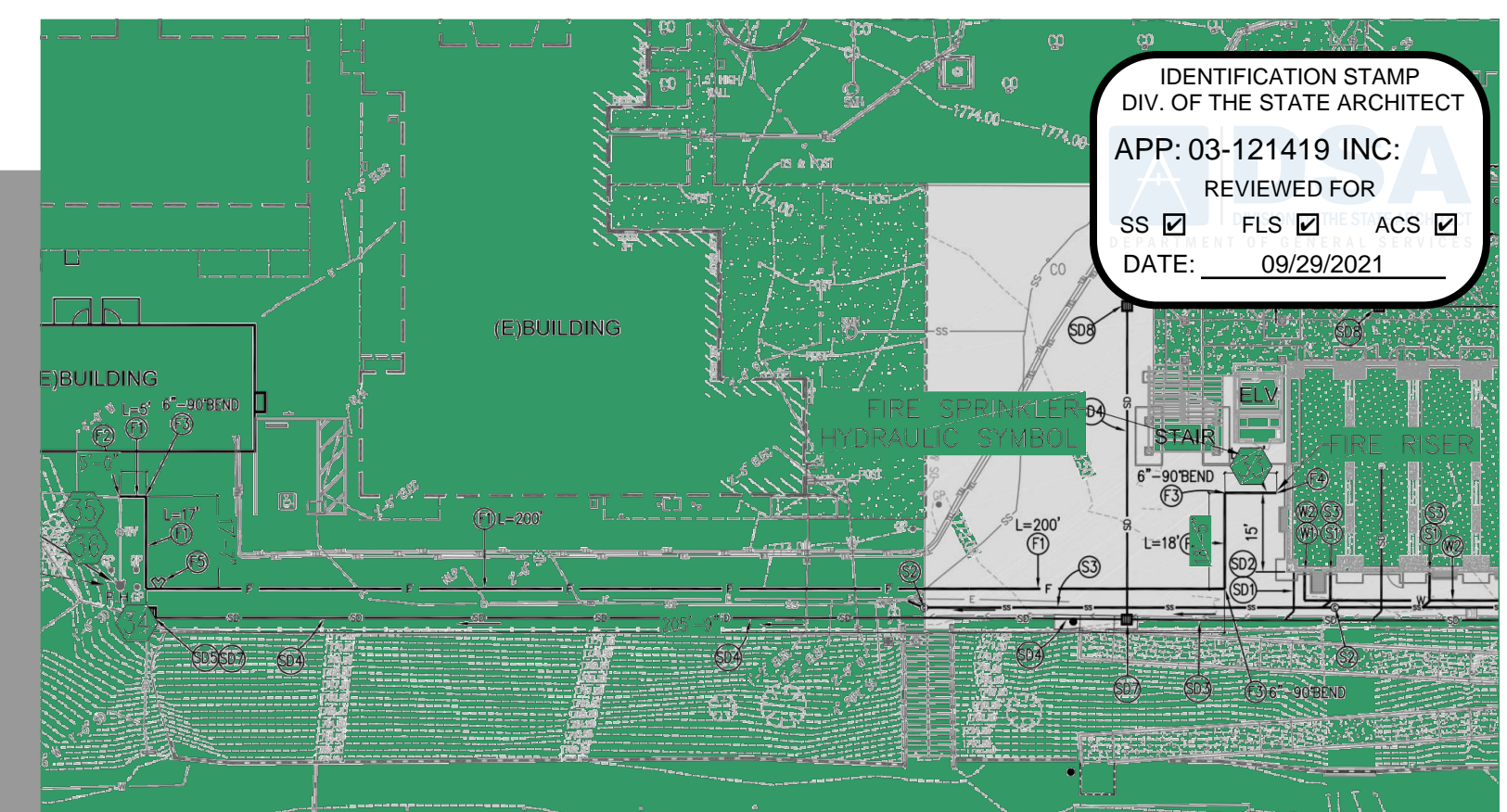
SEAL OF THE ARCHITECT
CLASS C-16
LICENSE # 12631
RENEWED 3-31-20
EXPIRES 8-2021



JOB NO.: AS NOTED
SCALE: AR/PM
DRAWN BY: AR/PM
DATE: 04/2021
SHEET NO.: FS-1

TITLE: FIRE SPRINKLER COVER SHEET:
MONTE VISTA E.S. 2-STORY
2620 ORANGE AVE
LA CRESCENTA, CA

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-121419 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 09/29/2021



PARTIAL SITE PLAN FOR REFERENCE ONLY

HYDRAULIC SYSTEM
 THIS BUILDING IS PROTECTED BY A HYDRAULICALLY DESIGNED AUTOMATIC SPRINKLER SYSTEM

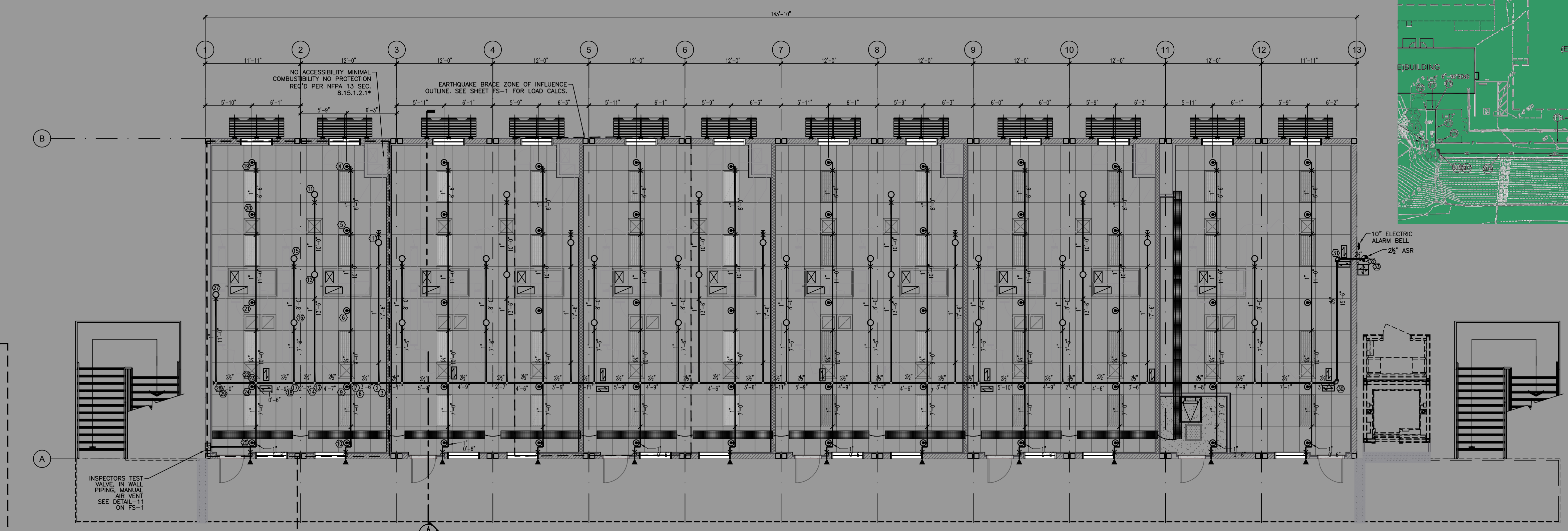
LOCATION: SEE PLAN

SPRINKLER INFORMATION
 NUMBER OF FLOWING SPRINKLERS: 16
 MANUFACTURER: RELIABLE
 MODEL: F1FR
 155° QUICK RESPONSE
 1/2" ORIFICE 5.6 K-FACTOR

BASIS OF DESIGN
 STANDARD: NFPA 13, 2016 EDITION
 HAZARD GROUP: LIGHT HAZARD GROUP
 DENSITY: 10 GPM/SQ.FT.
 DESIGN AREA OF DISCHARGE: 960 SQ.FT.

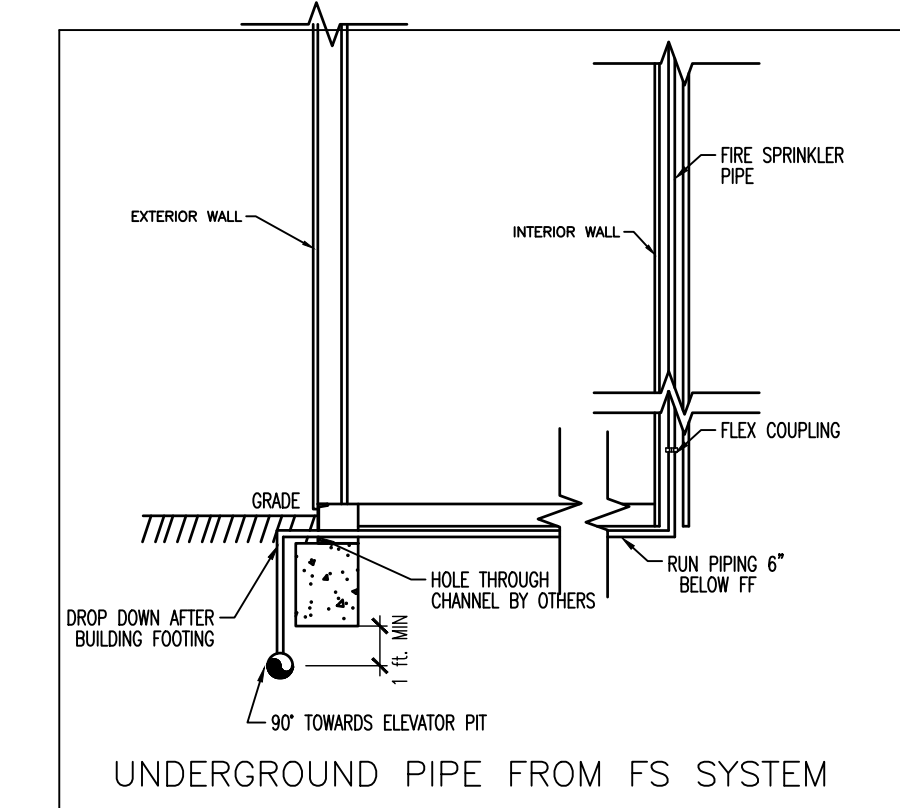
SYSTEM DEMAND
 GPM DEMAND AT THE BASE OF THE RISER: 292.4 GPM
 RESIDUAL PRESSURE AT THE BASE OF THE RISER: 70.4 PSI
 GPM DEMAND AT THE WATER SUPPLY SOURCE: 392.4 GPM
 RESIDUAL PRESSURE AT THE WATER SUPPLY SOURCE: 71.4 PSI
 HOSE STREAM ALLOWANCE: 0 GPM INSIDE, 100 GPM OUTSIDE, 100 GPM TOTAL
 REMOTE SPRINKLER FLOW: 15.0 GPM @ 8.0 PSI

Y-AXIS
 REDUCTION TO 10 20 30
 X-AXIS
 CEILING HEIGHT (FT.)
 9'-0" CEILING = 40% REDUCTION
 MOST REMOTE AREA = 900 sq. ft. MIN
 PER NFPA 13 SECT.-11.2.3.2.3.1

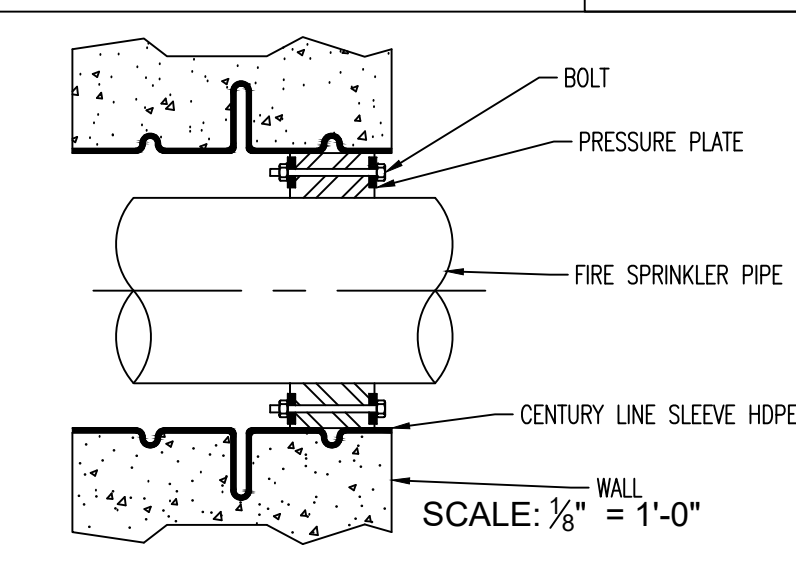


2nd FLOOR REFLECTED CEILING
 FIRE SPRINKLER PIPING PLAN
 144'x40' MODULAR KINDER BUILDING

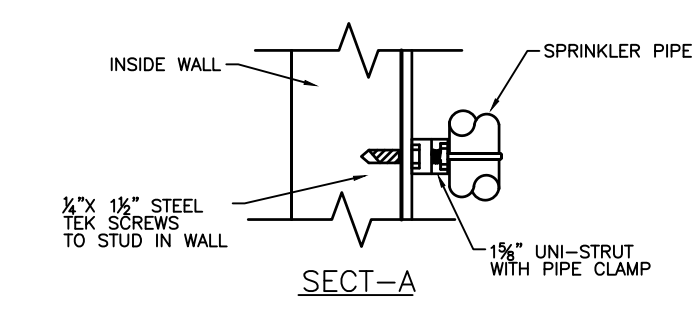
SCALE: 1/8" = 1'-0"



DETAIL UG

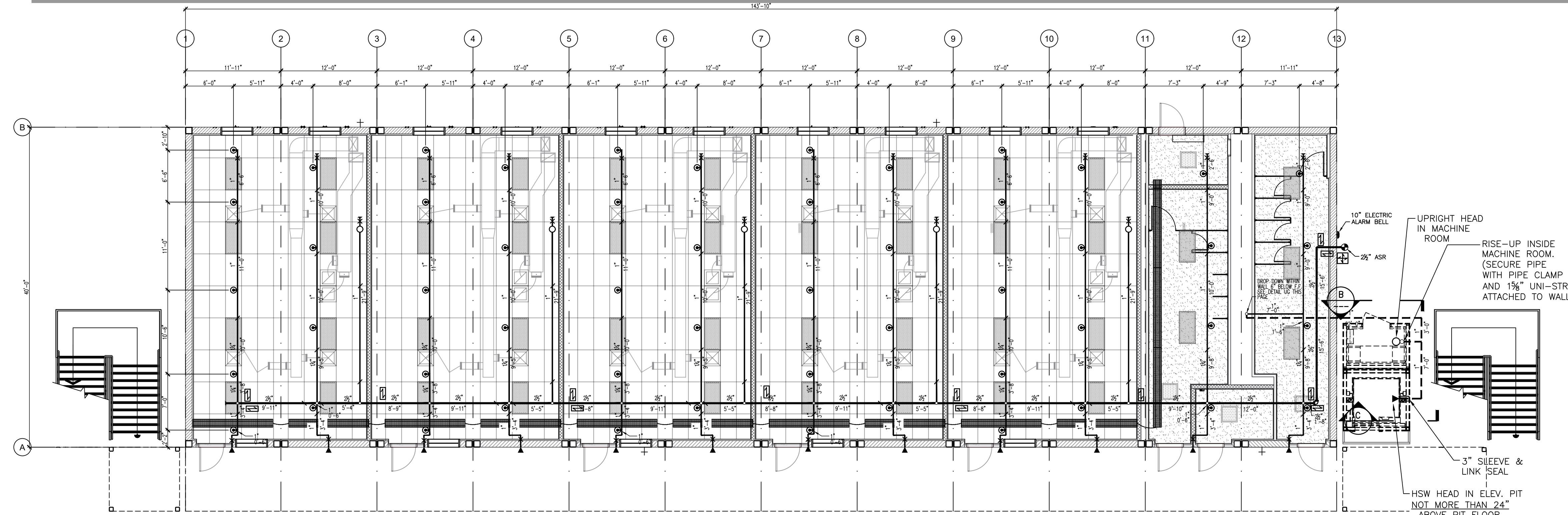


LINK SEAL MODEL NO. LS300-S-4
 CENTURY LINE SLEEVE MODEL NO CS-10-20-1



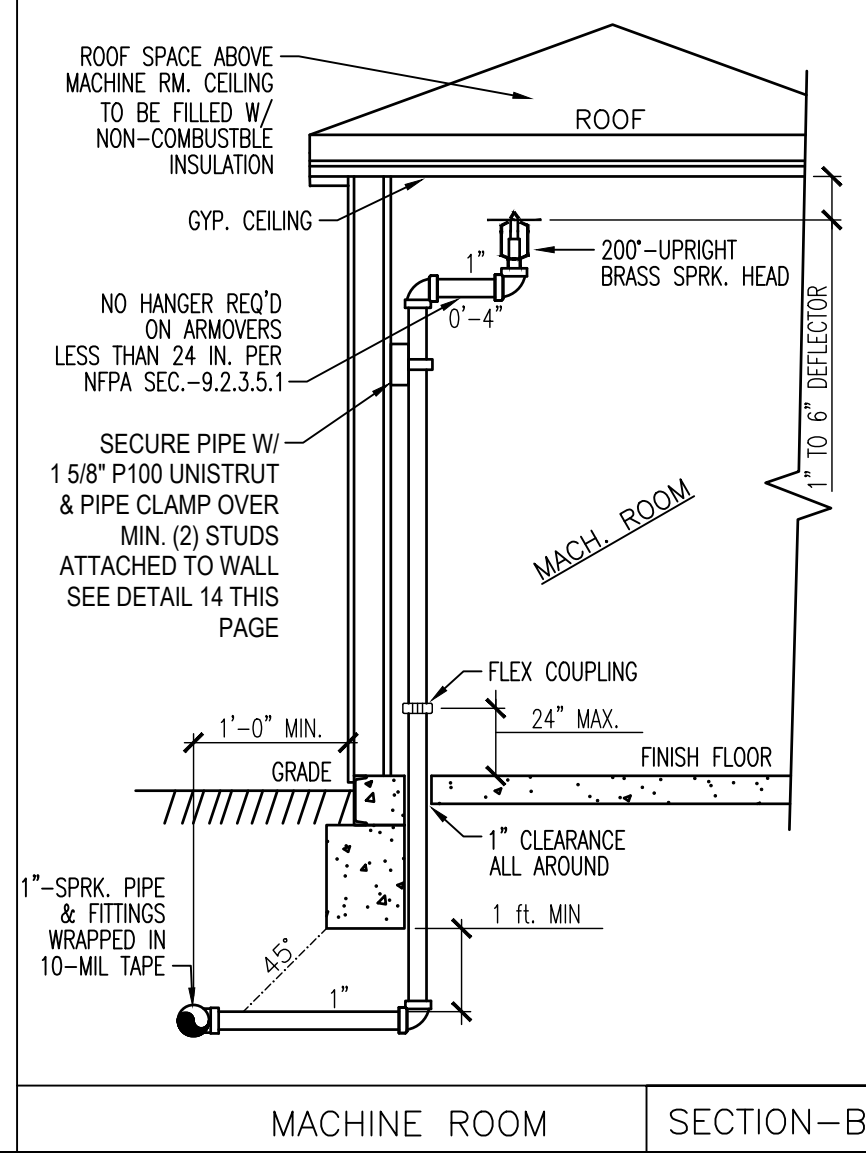
UNISTRUT PIPE ATTACHMENT DETAIL-14

ELEVATOR PIT LINK SEAL DETAIL-13

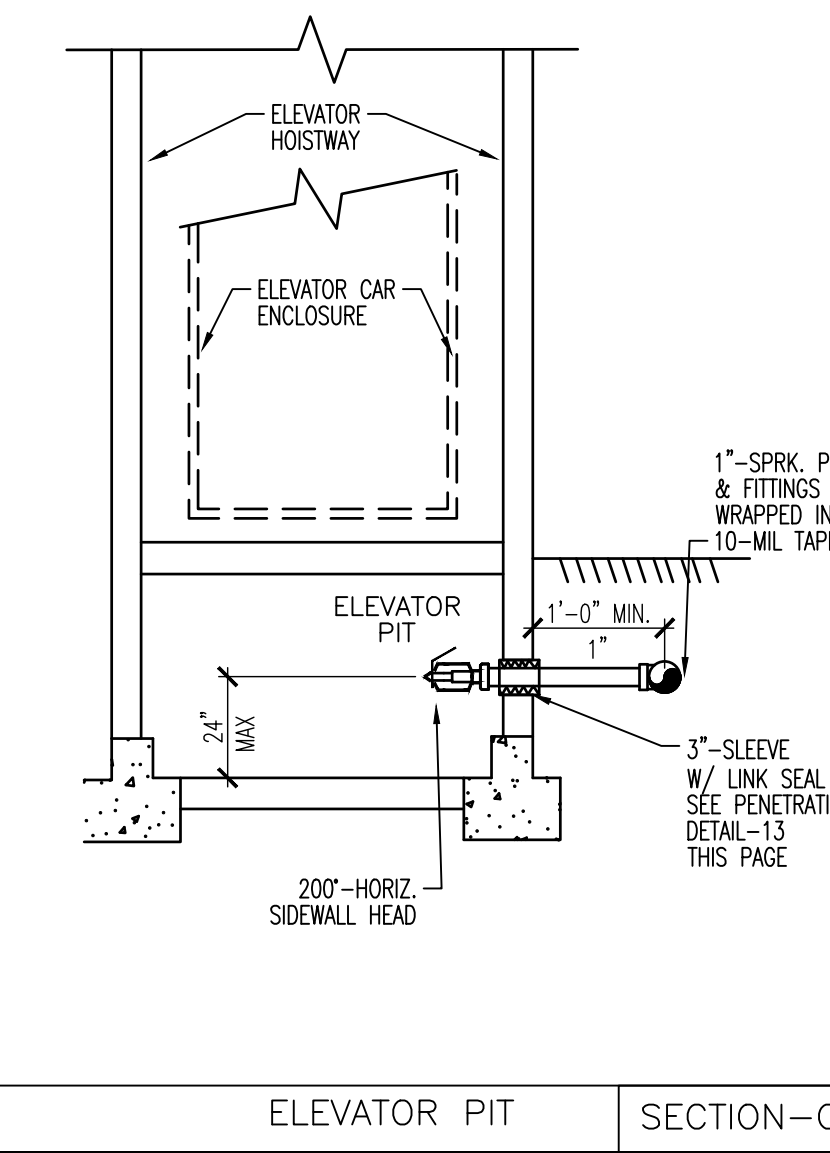


1st FLOOR REFLECTED CEILING
 FIRE SPRINKLER PIPING PLAN
 144'x40' MODULAR KINDER BUILDING

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



MACHINE ROOM SECTION-B



ELEVATOR PIT SECTION-C

WATER FLOW INFO.

STATIC:	140 PSI
RESIDUAL:	130 PSI
FLOW:	1,350 GPM

INFORMATION FROM:
 GUARD FIRE PROTECTION
 DATED: 11-10-2020

HYDRAULIC CALC. REFERENCE POINT

- 4-WAY SWAY BRACE
- LONG/LAT. SWAY BRACE
- FIRE RISER
- TYP. HANGER
- END OF LINE HANGER/RESTRAINT

HANGER LEGEND

- NEW UNDERGROUND PIPING
- EXISTING UNDERGROUND PIPING
- POST INDICATOR VALVE (PIV)
- KEY VALVE
- FIRE DEPARTMENT CONNECTION (FDC)
- FIRE HYDRANT

FIRE SPRINKLER HEAD LEGEND

SYM.	MAKE AND MODEL	K-FACTOR	SIZE	TEMP	TYPE	FINISH	CANOPY	QTY.
○	RELIABLE F1FR	5.6	1/2"	200°	UPRIGHT	BRASS	N/A	153
●	RELIABLE F1FR	5.6	1/2"	155°	PENDENT	CHROME	CHR. RECESSED	111
◄	RELIABLE F1FR	5.6	1/2"	155°	HSW	BRASS	401 CANOPY	12

○ DENOTES UP OVER DOWN HEAD SYMBOL

AUTHORITY HAVING JURISDICTION

DATE:	BY:	REVISIONS:

STATE OF CALIFORNIA
 LICENSED ARCHITECT
 PATRICK C. HONAN
 License # C12631
 Expires 8-2021
 State of California

UNDERGROUND FIRE MAIN

- NEW UNDERGROUND PIPING
- EXISTING UNDERGROUND PIPING
- POST INDICATOR VALVE (PIV)
- KEY VALVE
- FIRE DEPARTMENT CONNECTION (FDC)
- FIRE HYDRANT

WATER FLOW INFO.

STATIC:	140 PSI
RESIDUAL:	130 PSI
FLOW:	1,350 GPM

INFORMATION FROM:
 GUARD FIRE PROTECTION
 DATED: 11-10-2020

AMS
 American Modular Systems, Inc.
 787 Spreckels Ave., Manteca, CA 95336
 Phone (209) 825-1921 - Fax (209) 825-7018
 americanmodular.com

FIRE PROTECTION, INC.
 1623 LEESON LANE CORONA, CALIFORNIA 92729
 (951) 737-9965 FAX (951) 737-8860 LICENSE NO. C16-410294
 TITLE: FIRE SPRINKLER LAYOUT/PIPING PLAN: 2-STORY
 MONTE VISTA ES 2-STORY
 2620 ORANGE AVE
 LA CRESCENTA, CA

JOB NO.: AS NOTED
 SCALE: AS NOTED
 DRAWN BY: AR/PM
 DATE: 04/2021
 SHEET NO.: FS-2

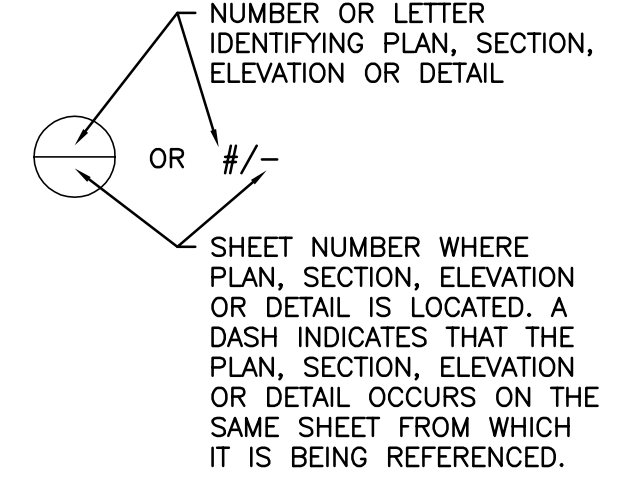
TOTAL SPRINKLER HEADS THIS SHEET 278

MODULAR ELEVATOR

NO. _____ DATE _____ REVISION _____
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 03-121419 INC:
 REVIEWED FOR _____
 SS FLS ACS
 DATE: 09/29/2021

STRUCTURAL SHEET INDEX:

SHEET S1 COVER SHEET
 SHEET S1A TESTING & INSPECTION CRITERIA
 SHEET S2 GENERAL NOTES & ABBREVIATIONS
 SHEET S3 FOUNDATION PIT PLAN
 SHEET S3.1A FOUNDATION DETAILS FOR MAX 44'-0" TOWER HEIGHT
 SHEET S4 HOISTWAY ROOF PLAN
 SHEET S4.1 HOISTWAY & ROOF DETAILS
 SHEET S5A-1 HOISTWAY PLAN & ELEVATIONS- MAX 44'-0" TOWER HEIGHT
 SHEET S5A-2 HOISTWAY PLAN & ELEVATIONS- MAX 44'-0" TOWER HEIGHT
 SHEET S5.1 HOISTWAY DETAILS
 SHEET S5.2 MISCELLANEOUS DETAILS
 SHEET S5.3 HOISTWAY WALL PANELS
 SHEET S6 MACHINE ROOM FRAMING PLAN & DETAILS (PARTIAL MACHINE ROOM)
 SHEET S6A MACHINE ROOM FRAMING PLAN & DETAILS
 SHEET S7 RAIL & POWER UNIT DETAILS
 SHEET VT1 ELEVATOR DATA
 SHEET VT2 ELEVATOR LAYOUT (PARTIAL MACHINE ROOM)
 SHEET VT3 ELEVATOR CAB
 SHEET VT4 ACCESS COMPLIANCE



APPLICABLE CODES:

PARTIAL LIST OF APPLICABLE CODES AS OF January 1, 2017
 2016 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
 2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
 (2012 INTERNATIONAL BUILDING CODE VOLUMES 1 - 3 AND 2016 CALIFORNIA AMENDMENTS)
 2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
 (2014 NATIONAL ELECTRICAL CODE AND 2016 CALIFORNIA AMENDMENTS)
 2016 CALIFORNIA ELEVATOR AND CONVEYING CODE CBC CHAPTER 30
 2016 CALIFORNIA BUILDING CODE CBC CHAPTER 11B
 (2015 NATIONAL ELECTRICAL CODE AND 2016 CALIFORNIA AMENDMENTS)
 2016 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
 (2014 UNIFORM MECHANICAL CODE AND 2015 CALIFORNIA AMENDMENTS)
 2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
 (2015 UNIFORM PLUMBING CODE AND 2016 CALIFORNIA AMENDMENTS)
 2016 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
 2013 SAFETY CODE FOR ELEVATORS AND ESCALATORS (ASME A17.1-2013)
 2016 INTERNATIONAL FIRE CODE
 2016 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
 (2015 INTERNATIONAL FIRE CODE AND 2016 CALIFORNIA AMENDMENTS)
 2016 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
 TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
 TITLE 8 C.C.R., CH4, SUB-CH6-ELEVATOR SAFETY ORDERS

PARTIAL LIST OF APPLICABLE STANDARDS
 NFPA 13 AUTOMATIC SPRINKLER SYSTEMS 2016 Edition with 2016 California Amendments
 NFPA 14 STANDPIPE SYSTEMS (CALIFORNIA AMENDED) 2016 Edition with 2016 California Amendments
 NFPA 17a WET CHEMICAL SYSTEMS 2016 Edition
 NFPA 20 STATIONARY PUMPS 2016 Edition
 NFPA 24 PRIVATE FIRE MAINS (CALIFORNIA AMENDED) 2016 Edition with 2016 California Amendments
 NFPA 72 NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) 2016 Edition with 2016 California Amendments
 NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS 2016 Edition
 ASME 17.1/CSAB44 ELEVATOR STANDARD 2016 Edition with A17.1 a/CSA B44a-08 addenda

REFERENCE CODE SECTIONS FOR NFPA STANDARDS - 2016 CBC CHAPTER 35. SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

NOTES TO PLAN REVIEWER AND DESIGN PROFESSIONAL:

- ALL DRAWING ARE TO BE SUBMITTED WITH THE FOLLOWING EXCEPTIONS:
 A. SUBMIT S5A BASED ON SITE SPECIFIC TOWER HEIGHT.
- WHERE OPTIONS ARE NOTED, DESIGN PROFESSIONAL SHALL INDICATE OPTION CHOSEN. WHERE APPROVED BY DSA, AND IN A TWO-STORY BUILDING OR STRUCTURE WITH STAIRS THAT WILL ACCOMMODATE THE CARRYING OF A GURNEY, ELEVATORS ARE NOT REQUIRED TO ACCOMMODATE A GURNEY.
- PC IS NOT APPROVED FOR STOCKPILE AND FLOOD ZONE, DETAILS THAT ARE NOT APPLICABLE TO SPECIFIC PROJECT ARE TO BE CROSSED OUT.
- SPRINKLER REQUIREMENTS TO BE INCLUDED AS PART OF THE SITE APPLICATION DRAWINGS.
- ELEVATOR CANNOT BE SET WITHOUT A SITE SPECIFIC APPLICATION. ALSO, THESE SITE SPECIFIC APPLICATIONS MUST INCLUDE THE FOLLOWING:
 - SEISMIC JOINT BETWEEN BUILDING & ELEVATOR TOWER. SEE TOWER DISPLACEMENTS ON SHEET S5 & S5A
 - SPECIFICATIONS AND DETAILS FOR ROOFING
 - FINISHES (SEE NOTE ON SHEET S4)
 - FLASHING
 - ELECTRICAL
- RATING OF CONSTRUCTION PER CBC 3002.1. PROJECT ARCHITECT TO DETERMINE CONSTRUCTION TYPE.
- SITE SPECIFIC ARCHITECT/ENGINEER OF RECORD TO SIGN AND STAMP THE PROJECT SPECIFIC FORM DSA 103.
- SITE SPECIFIC ITEMS NOTED ON SHEET S4 ARE TO BE SHOWN ON SITE SPECIFIC DRAWINGS.
- SITE SPECIFIC SOILS REPORT IS REQUIRED WHERE A SOILS PRESSURE GREATER THAN 1500 PSF IS CHOSEN.
- SITE SPECIFIC ARCHITECT/ENGINEER TO PROVIDE A MINIMUM 1/4" PER FOOT ROOF SLOPE.
- WHERE SNOW LOAD OPTION IS CHOSEN, PROVIDE A ROOF JOIST DESIGN FOR DRIFT OR PROVIDE A 20' - 0" SEPARATION DISTANCE BETWEEN THE ROOF AND ADJACENT STRUCTURE OR TERRAIN FEATURE. SEE TABLE 6 NOTE ON SHEET S4.
- PER CBC 3002.4A ALL BUILDINGS OR STRUCTURES TO BE PROVIDED WITH NO LESS THAN ONE MEDICAL EMERGENCY SERVICE ELEVATOR.
- WHERE APPROVED BY AHJ, AND IN A TWO-STORY BUILDING OR STRUCTURE WITH STAIRS THAT WILL ACCOMMODATE THE CARRYING OF A GURNEY, ELEVATORS ARE NOT REQUIRED TO ACCOMMODATE A GURNEY.
- FOR ELEVATORS WHERE HOISTWAY PROTECTION IS REQUIRED, HOISTWAY TO BE PROVIDED WITH SHAFT CONSTRUCTION IN ACCORDANCE WITH CBC 713.
- CONSTRUCTION TYPE, OCCUPANCY CLASSIFICATION, BUILDING HEIGHT SHALL BE DETERMINED DURING SITE PLACEMENT DRAWING SUBMITTAL IN CONJUNCTION WITH THE BUILDING THAT THIS MODULAR ELEVATOR EQUIPMENT'S STRUCTURE WILL SERVE.
- FOR MAXIMUM CLADDING LOAD, SEE NOTE ON SHEET S4.

DESIGN CRITERIA (2016 CBC):

OCCUPANCY
 CATEGORY II ELEVATOR CAR WEIGHT = 4000 LBS
 ELEVATOR CAR CAPACITY = 4000 LBS MAX (2500 LBS AT HW-1)

GRAVITY ROOF LOADS
 ROOF LIVE LOAD 20 PSF (REDUCIBLE) TYP
 ROOF DEAD LOAD 20 PSF MAX

SNOW LOADS
 STD Pg = 20 PSF
 OPT Pg = 45 PSF

LATERAL LOADS
WIND
 EXPOSURE C
 WIND SPEED 110 MPH
 IMPORTANCE FACTOR I 1.0
 INTERNAL PRESSURE COEFFICIENT GCp1 = ± 0.18 (ENCLOSED)
 COMPONENTS & CLADDING (DESIGNED BY OTHERS) ASCE 7-10 METHOD 1, λ = 1.53 (44 FT ELEVATOR)
 ROOF + 14.0 PSF OR -84 PSF (44')
 CLADDING ± 44.0 PSF (44')

SEISMIC
 V = EQUIVALENT LATERAL FORCE PROCEDURE BASE SHEAR (STRENGTH DESIGN) MAX BASE SHEAR 44 FT ELEV 44 FT ELEV
 V = C_sW = 0.513W (STRENGTH) V_s = 19.2K
 * C_s = S_{rs} = 0.513 V_r = 19.2K
 (R/I)

BASIC SEISMIC-FORCE-RESISTING SYSTEM: ORDINARY STEEL CONCENTRICALLY BRACED FRAMES AND LIGHT-FRAME (COLD-FORMED STEEL) WALL SYSTEMS USING FLAT STRAP BRACING

ORDINARY BRACED FRAME
 R = 3.25
 I_e = 1.0
 Ω_o = 2
 ρ = 1.3
 C_d = 3.25

SITE CLASS = D
 * S_s = 2.5 Fa = 1.0 S_{os} = 1.67
 S₁ = 2.0 F_v = 1.5 S_{o1} = 2.0

LIGHT-FRAME (COLD-FORMED STEEL) WALL SYSTEMS USING FLAT STRAP BRACING
 R = 4
 I = 1.0
 Ω_o = 2.0
 ρ = 1.3
 C_d = 3.5

SEISMIC DESIGN CATEGORY: E

*FOR STRUCTURES LESS THAN 5 STORIES TALL: THIS STRUCTURE MAY BE LOCATED AT ANY SITE WITH AN S_c LESS THAN 2.50. THE HEIGHT OF THE STRUCTURE SHALL BE LIMITED SUCH THAT THE PERIOD SHALL NOT EXCEED 0.5 SEC. PER SECTION 12.8.2.1 & UPPER LIMIT OF TABLE 12.8-1 OF ASCE 7-10 THE FOLLOWING TABLE HAS BEEN DERIVED.

S _{o1}	C _u	HEIGHT (FT) MAX
0.2 < S _{o1} ≤ 0.3	1.5	44'-0"

FLOOD DESIGN
 ELEVATOR / BUILDING NOT APPROVED FOR FLOOD HAZARD AREA.

SPECIAL LOADS
 NONE APPLICABLE

PROJECT DATA INTERIOR OR EXTERIOR INSTALLATION
 OCCUPANCY CLASSIFICATION □ A, □ B, □ E

CONSTRUCTION TYPE
 V-A 1 HR
 V-B (NON-RATED) SEE NOTE 3
 II-A - 1 HR
 II-B - N (NON-RATED)
 III-A - 1 HR
 III-B - N (NON-RATED)

SERVE UP TO 2 STORIES AND HAVE UP TO 4 STOPS. OR UP TO TWO STORIES AND HAVE UP TO 4 STOPS
 SHAFT CONSTRUCTION IN ACCORDANCE WITH CBC 713.4. FOR CONSTRUCTION TYPES II-A, II-B, III-A, V-A, V-B ELEVATORS IN SHAFTS TO BE IN 1HR SHAFT CONSTRUCTION IS NOT INSTALLED IN A BUILDING AND/OR OPENING BETWEEN FLOORS IS PERMITTED TO BE WITHOUT SHAFT ENCLOSURE BY CBC 712.1, SHAFT ENCLOSURE NOT REQUIRED. ELEVATOR ENCLOSURE TO COMPLY WITH ASME A.17.1

ELEVATOR BUILDING AREA 88 SQ FT (APPROX)
 MODULAR EQUIPMENT ROOM AREA 85 SQ FT (APPROX)
 FIRE SPRINKLERS NOT PART OF THE PC APPROVAL. SPRINKLER REQUIREMENTS TO BE INCLUDED IN THE SITE APPLICATION DRAWINGS. SPRINKLERS NOT REQUIRED WHERE ALL PROVISIONS OF CBC 3006.4.1 ARE MET SPRINKLERS AT TOP OF THE SHAFT NOT REQUIRED PER NFPA 13 SECTION 8.15.5.6.

- NOTES:**
- THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET
 - THIS DRAWINGS, PAGE OF SPECIFICATIONS / CALCULATIONS

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. THESE DOCUMENTS HAVE BEEN EXAMINED BY ME FOR:

- DESIGN INTENT AND APPEAR TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY MEM, AND
- COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT
- LOCATION OF ELEVATOR IS TO COMPLY WITH CBC CHAPTERS 3, 5, 6, 7, 10 AND 30 AND SITE SPECIFIC PROVISIONS. (BUT NOT LIMITED TO)
- ANY FIRE ALARM SUBMITTAL SHALL COMPLY WITH 2016 CBC SECTION 907.3.3; 3006.5 AND NFPA 72 AS AMENDED BY DSA/SFM. FIRE ALARM PROVIDED BY OTHERS.
- CONSTRUCTION DOCUMENTS FOR SITE-SPECIFIC APPLICATION TO DSA SHALL INCLUDE A COPY OF THE DSA-103 FORM FOR STRUCTURAL TEST AND SPECIAL INSPECTIONS.

THE STATEMENT OF GENERAL CONFORMANCE *SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344 OF TITLE 24, PART 2, (TITLE 24, PART 1, SECTION 4-317)

MEM S AND VT DRAWINGS HAVE BEEN REVIEWED AND ACCEPTED.
Barrell Blaney
 SIGNATURE OF THE ARCHITECT/ENGINEER DATE 03-23-21
 C12631 EXPIRATION DATE 03-31-23
 LICENSE NUMBER

DSA PROCEDURE 07-01

DESCRIPTION	DESIGN VALUES
DEAD & LIVE LOADS	
-	
ALLOWABLE SOIL PRESSURE	
DD+LL (CONCRETE FOOTING)	SEE TABLE 1/S3
DD+LL+SEISMIC (CONCRETE FOOTING)	SEE TABLE 1/S3
ROOF SNOW LOAD	
ROOF SNOW LOAD: SEE TABLE 6 NOTE ON S4	45 PSF
WIND DESIGN	
TOPOGRAPHIC FACTOR, K _{zt} (1MIN)	1.0
[X] DIRECTIONAL PROCEDURE ASCE 7-10 CHAPTER 27 PART 1	FOR MWFRS
EXPOSURE CATEGORY COEFFICIENT, K _e	1.07 AT 60 FT
-	

SITE SPECIFIC ITEM	PC DESIGN LOAD OR DESIGN PARAMETERS		SITE SPECIFIC LOAD (TO BE FILLED IN BY ARCHITECT/ENGINEER)
	FIRST LEVEL	600#	
EMBELLISHMENT WEIGHT	INTER-MEDIATE	600#	
	TOP	600#	
	ROOF	1200#	

Barrell Blaney
 SIGNATURE OF SITE APPLICATION ARCHITECT OR ENGINEER

S.E. PC APPROVAL

REGISTERED PROFESSIONAL ENGINEER
 Kenneth A. Luttrell
 No. 1418
 Structural Engineer
 STATE OF CALIFORNIA
 THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD.

M-M
 MODULAR ELEVATOR MANUFACTURING

MODULAR ELEVATOR MANUFACTURING, INC.
 P.O. BOX 3998
 CHATSWORTH, CA. 91313
 800-755-9359

PRE-CHECK (PC) DOCUMENTS 2016 CBC CODE
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

THIS INFORMATION IS CONFIDENTIAL AND REMAINS THE PROPERTY OF MODULAR ELEVATOR MANUFACTURING, INC. ITS USE, REPRODUCTION OF, OR DISSEMINATION WITHOUT THE EXPRESS PERMISSION OF MODULAR ELEVATOR MANUFACTURING, INC. IS STRICTLY PROHIBITED.

PROJECT NO: 16093
 DATE: 10/19/2018

ENGINEERED BY: KAL
 DRAWN BY: MTC

FILE NO. PC-MEM
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL. 03-118291
 ACS/E FLS/EB SS/MC/MP
 DATE 11/31/2018
 PRE-CHECK (PC) DOCUMENT CODE: 2016
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

SHEET NAME:
 COVER SHEET

SHEET NO:
 S1

STRUCTURAL ABBREVIATIONS

@	AT	INFO	INFORMATION
L	ANGLE	JST	JOIST
ABV	ABOVE	JT	JOINT
AB	ANCHOR BOLTS	LL	LIVE LOAD
AC	ASPHALTIC CONCRETE	LH	LONG LEG HORIZONTAL
ACI	AMERICAN CONCRETE INSTITUTE	LV	LONG LEG VERTICAL
ADDNL	ADDITIONAL	LG	LENGTH
ADJ	ADJACENT	LGTH	LENGTH
AFF	ABOVE FINISH FLOOR	LONG	LONGITUDINAL
AGG	AGGREGATE	LS	LONG SCREW
AISC	AMERICAN INSTITUTE FOR STEEL CONSTRUCTION	LSL	LAMINATED STRAND LUMBER
ALT	ALTERNATE	LT	LIGHT WEIGHT
ALUM	ALUMINUM	LVL	LAMINATED VENEER LUMBER
APPROX	APPROXIMATE	LWC	LIGHT WEIGHT CONCRETE
ARCH	ARCHITECTURAL	MAX	MAXIMUM
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MB	MACHINE BOLT
AWS	AMERICAN WELDING SOCIETY	MCJ	MASONRY CONTROL JOINT
BEV	BEVELED	MECH	MECHANICAL
BLW	BELOW	MEM	MODULAR ELEVATOR MANUFACTURER
BLDG	BUILDING	MEP	MECHANICAL ELECTRICAL PLUMBING
BLK	BLOCK	MER	MODULAR ELEVATOR ROOM
BLKG	BLOCKING	MEZZ	MEZZANINE
BM	BEAM	MFR	MANUFACTURER
BN	BOUNDARY NAILING	MIN	MINIMUM
BO	BY OTHERS	MIS	MISCELLANEOUS
BOC	BOTTOM OF CONCRETE	MISC	MICROLAM BEAM
BOF	BOTTOM OF FOOTING	MRD	METAL ROOF DECK
BOTT	BOTTOM	MTL	METAL
BRCC	BRACING	N	NEW
BRG	BEARING	N/A	NOT APPLICABLE
BRG P	BEARING PLATE	N/C	NOT IN CONTRACT
BTW	BETWEEN	NO. (#)	NUMBER OR POUNDS
BYD	BEYOND	NOM	NOMINAL
C	CAMBER	NS&FS	NEAR SIDE & FAR SIDE
CA	CALIFORNIA BUILDING CODE	NRS	NON SHRINK GROUT
CCR	CALIFORNIA CODE OF REGULATIONS	NTS	NOT TO SCALE
CC	CENTER TO CENTER	NWC	NORMAL WEIGHT CONCRETE
CE	CIVIL ENGINEER	OC	ON CENTER
CG	CENTER OF GRAVITY	OD	OUTSIDE DIAMETER
CIP	CAST IN PLACE	OSB	ORIENTED STRAND BOARD
CI	CONSTRUCTION JOINT	OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING & DEVELOPMENT
CJP	COMPLETE JOINT PENETRATION	OWJ	OPEN WEB JOIST
CLG	CLEAR	OPG	OPENING
CL	CONCRETE MASONRY UNIT	OPR	OPPOSITE
COL	COLUMN	OH	OPPOSITE HAND
CONC	CONCRETE	PCC	PRECAST CONCRETE
CONN	CONNECTION	PC	PIPE COLUMN
CONSTR	CONSTRUCTION	PCF	PER CUBIC FOOT
CONT	CONTINUOUS	PERP	PERPENDICULAR
COORD	COORDINATE / COORDINATION	R	PLATE
CP	COMPLETE PENETRATION	PLWD	PLYWOOD
CTR	CENTER	PN	PERIMETER NAILING
CTRD	CENTERED	PP	PARTIAL PENETRATION
DBG	DISTANCE BETWEEN GUIDES	PSI	POUNDS PER SQUARE INCH
DBL	DOUBLE	PSG	PARALLEL SHRINK GROUT
DEPR	DEPRESSED	PSL	PARALLEL STRAND LUMBER
DIA (Ø)	DIAMETER	PTDF	PRESSURE TREATED DOUG FIR
DIAG	DIAGONAL	PT	POINT
DIM	DIMENSION	R	RADIUS
DL	DEAD LOAD	REIN	REINFORCING/REINFORCEMENT
DN	DOWN	REQ	REQUIRED
DSA	DIVISION OF THE STATE ARCHITECT	RJ	ROOF JOIST
DTL	DETAIL	RF	ROOF RAFTER
DWG	DRAWING	SAD	SEE ARCHITECTURAL DRAWINGS
(E)	EXISTING CONDITION	SC	SLIP CRITICAL
EA	EACH	SCHED	SCHEDULE
EE	EACH END	SDST	SELF-DRILLING SELF-TAPPING
EF	EACH FACE	SE	STRUCTURAL ENGINEER
EJ	EXPANSION JOINT	SEIS JT	SEISMIC JOINT
ELEV	ELEVATION	SHT	SHEET
EN	EDGE NAILING/EDGE FASTENING	SHTG	SHEATHING
EOS	EDGE OF SLAB	SHRWL	SHEARWALL
ENR	ENGINEER OF RECORD	SJ	SIMILAR
EQ (=)	EQUAL	SJ	SHRINKAGE JOINT
ES	EACH SIDE	SLH	SHORT LEG HORIZONTAL
EW	EACH WAY	SLV	SHORT LEG VERTICAL
EW	EXPANSION BOLT	SM	SHEET METAL
EQUIP	EQUIPMENT	SMS	SHEET METAL SCREWS
EXTR	EXTERIOR	SP	SLAB ON GRADE
FAB	FABRICATE	SPG	STRUCTURAL PANELING
fc	MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF CONCRETE	SQC	SPACING
FD	FLOOR DRAIN	SQC	SPECIFICATION
FF	FINISH FLOOR	SQ	SQUARE
FFE	FINISH FLOOR ELEVATION	SS	STAINLESS STEEL
FG	FINISH GRADE	STAG	STAGGER
FHWS	FLAT HEAD WOOD SCREW	STD	STANDARD
FIN	FINISH	STIFF	STIFFENER
FLG	FLANGE	STRUC	STRUCTURAL
FLR	FLOOR	SYN	SYMMETRICAL
f'm	MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF MASONRY	T24	TITLE 24 CALIFORNIA CODE
FN	FIELD NAILING/FIELD FASTENING	THRD	THICK OR THREADED
FND	FOUNDATION	THK	THICKNESS
FCC	FACE OF CONCRETE	TN	TIE NAIL
FOM	FACE OF MASONRY	T.O.	TOP OF
FOS	FACE OF STUD	TOC	TOP OF CONCRETE
FRMG	FRAMING	TOF	TOP OF FOOTING/
FT (*)	FOOTING	TOF	TOP OF FRAMING
FTG	FOOTING	T.O. SLAB	TOP OF SLAB
Fy	SPECIFIED YIELD STRENGTH OF REINFORCING, PSI OR SPECIFIED MINIMUM YIELD STRESS OF STEEL, KSI	TOT	TOTAL
		TOS	TOP OF STEEL
		TOW	TOP OF WALL
		TRAN	TRANSVERSE
		TS	(SEE HSS)
		TYP	TYPICAL
		T&B	TOP & BOTTOM
		UNC	UNIFORM BUILDING CODE
		UNB	UNLESS NOTED OTHERWISE
		URM	UNREINFORCED MASONRY
		USS	UNITED STATE STANDARD
		VERT	VERTICAL
		VIF	VERIFY IN FIELD
		W	WITH
		W/O	WITHOUT
		WDW	WINDOW
		WF	WIDE FLANGE
		WP	WORK POINT
		WRT	WITH RESPECT TO
		WTS	WOOD SCREW
		WT	WEIGHT/STRUCTURAL TEE
		WW	WELDED WIRE FABRIC
		INT	INTERIOR

CONCRETE:

- CONCRETE CONSTRUCTION SHALL CONFORM TO THE CODE PER GENERAL NOTES.
- CONCRETE SHALL BE PLACED IN ACCORDANCE WITH TITLE 24 AND ASTM C94 AND ACI STANDARD 304. IN ADDITION, MAXIMUM FREE FALL OF CONCRETE SHALL BE 4' - 0".
- ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED BY MECHANICAL VIBRATORS DURING PLACEMENT AND SHALL BE THOROUGHLY WORKED AROUND REINFORCEMENT AND EMBEDDED FIXTURES AND INTO CORNERS OF FORMS.
- THE MINIMUM 28 DAY STRENGTH SHALL BE PER MIX DESIGN SCHEDULE.
- CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II.
- CONCRETE AGGREGATES: NATURAL SAND AND ROCK AGGREGATES SHALL CONFORM TO ASTM C33.
- MINERAL ADMIXTURES SHALL COMPLY WITH ASTM C618.
- LIQUID ADMIXTURES SHALL COMPLY WITH THE FOLLOWING:
 - WATER REDUCERS ASTM C494 TYPE A
 - MID-RANGE WATER REDUCERS ASTM C494 TYPE A & F
 - NON-CHLORIDE ACCELERATORS ASTM C494 TYPE C OR C & E
 - RETARDING ADMIXTURES ASTM C494 TYPE B OR B & D
- GENERAL:
 - NO PIPES OR DUCT SHALL BE PLACED IN CONCRETE SLABS OR WALLS UNLESS SPECIFICALLY DETAILED.
 - REFER TO ARCHITECTURAL, STRUCTURAL, AND MECHANICAL DRAWINGS FOR ALL MOULDS, GROOVES, ORNAMENTS, CLIPS, ETC. TO BE CAST IN CONCRETE.
- ALL CONSTRUCTION JOINTS SHALL BE MADE ROUGH IN ACCORDANCE WITH CODE SECTION 1906.4 AND THE TYPICAL CONSTRUCTION JOINT DETAILS SHOWN ON THE STRUCTURAL DRAWINGS. ALL SURFACES OF CONSTRUCTION JOINTS SHALL BE CLEANED TO REMOVE LAITANCE, DUST, CHIPS, OR OTHER FOREIGN MATTER PRIOR TO PLACING THE ADJACENT CONCRETE.
- REMOVE ALL DEBRIS AND EXCESS WATER FROM THE FORMS BEFORE PLACING ANY CONCRETE.
- REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED IN CONCRETE SHALL BE SECURELY POSITIONED AND FREE OF EXCESSIVE SCALE, RUST, DIRT, GREASE, OIL OR ANY OTHER SUBSTANCES THAT WILL IMPAIR BOND WITH CONCRETE. OBTAIN APPROVAL OF ALL AFFECTED TRADES PRIOR TO PLACING CONCRETE.
- NO WOOD SPREADERS ALLOWED. NO WOOD STAKES ALLOWED IN AREAS TO BE CONCRETED.
- CONTRACTOR SHALL PREPARE AND SUBMIT CONCRETE MIX DESIGNS FOR ELEVATOR PIT AND EQUIPMENT ROOM SLAB TO THE ARCHITECT OF RECORD FOR REVIEW PRIOR TO PLACEMENT OF ANY CONCRETE. CONCRETE MIX DESIGNS SHALL BE PER CBC SECTION 1905A. CALCIUM CHLORIDE OR ADMIXTURES WHICH ADD CHLORIDES ARE NOT PERMITTED.
- SEE REINFORCING STEEL NOTES FOR REINFORCING STEEL REQUIREMENTS.
- GROUT MIX SHALL BE AS PER MANUFACTURER'S SPECIFICATIONS (6000 PSI MIN).

MIX DESIGN SCHEDULE							
TYPE	USE CLASS	STRENGTH f'c - MIN @ 28 DAYS	CONCRETE UNIT WEIGHT (PCF)	MAX AGGREGATE SIZE (IN)	MAX ⁽⁵⁾ SLUMP (IN)	MAX WATER TO CEMENT RATIO (%)	FLY ASH ⁽⁷⁾ REPLACEMENT (%)
A	SLAB ON GRADE	3000	150	1" x 1/4"	4" ± 1"	.40	15% MIN 25% MAX
B	FOUNDATIONS	3000	150	1" x 1/4"	4" ± 1"	.50	15% MIN 25% MAX
C	WALLS	3000	150	1" x 1/4"	4" ± 1"	.50	15% MIN 25% MAX

- FOOTNOTES:
- ADD WATER REDUCING ADMIXTURES PER SPECIFICATIONS FOR PLACING.
 - FOR HOT WEATHER CONCRETING REFER TO ACI 305R.
 - FOR COLD WEATHER CONCRETING REFER TO ACI 306R.
 - OTHER ADMIXTURES SHALL BE REVIEWED BY THE ENGINEER OF RECORD AND TESTING LABORATORY UPON CONCRETE MIX DESIGN SUBMITTAL.
 - SLUMPS SHALL NOT EXCEED 8" ± 1-1/2" WHEN USING MID-RANGE WATER REDUCERS.
 - ADDITIONAL WATER SHALL NOT BE ADDED TO THE CONCRETE ONCE THE TRUCK LEAVES THE BATCH PLANT.
 - MIX DESIGN SHALL NOT BE PROPORTIONED WITHOUT FIELD EXPERIENCE OR TRIAL MIXTURES PER ACI 318 SECTION 5.4 WHEN USING MORE THAN 15% FLY ASH REPLACEMENT BY WEIGHT.

COLD-FORMED STEEL FRAMING

- ALL 43 MIL AND 33 MIL STUDS SHALL BE 33,000 PSI MIN. YIELD STRESS STEEL OF STANDARD STRUCTURAL QUALITY. ALL OTHER MATERIAL SHALL BE 50,000 PSI MIN YIELD STRESS.
- COLD-FORMED STEEL SECTIONS SHALL CONFORM WITH THE REQUIREMENTS OF ASTM A653 S55 GRADE 33 OR GRADE 50.
- ALL MEMBERS SHALL BE CUT SQUARELY OR AS REQUIRED, FITTED AND SEATED PROPERLY TO ABUTTING MEMBERS. STUDS SHALL BE PLUMBED, ALIGNED AND SECURELY ATTACHED AT FLANGES OR WEBS OF TRACKS.
- PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT NECESSARILY LIMITED TO, TRACKS, CLIPS, WEB STIFFENERS, ANCHORS, FASTENING DEVICES, RESILIENT CLIPS, AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION, AND AS RECOMMENDED BY THE MANUFACTURER FOR THE STEEL MEMBERS USED.
- FASTENING OF COMPONENTS SHALL BE WITH TEK SCREWS OR EQUIVALENT SELF-DRILLING, SELF-TAPPING SCREWS OR WELDING. SCREWS OR WELD SIZES SHALL BE SHOWN ON THE DRAWINGS.
- ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS AND IN ACCORDANCE WITH THE LATEST EDITION OF AWS D1.3.
- STUD AND TRACK DESIGNATIONS ARE BASED ON STEEL STUD MANUFACTURER'S ASSOCIATION, ICC-ES EVALUATION REPORT ESR-3064P.
- SEE ICC-ES EVALUATION REPORT ESR-4943P FOR TYPICAL STEEL STUD INSTALLATION.
- FOR STUD SIZE AND LOCATION, SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- PUNCH-OUT WEB SECTIONS SHALL NOT BE WITHIN 12" OF THE END OF A COLD-FORMED STEEL MEMBER SUCH AS, BUT NOT LIMITED TO, STUDS OR JOISTS.
- GAUGE DESIGNATIONS OF PLATES, TRAPS, TRACKS, STUDS AND ANGLES ARE MINIMUMS. THICKER GAUGE ELEMENTS MAY BE USED.
- SHEET METAL SCREW (SMS) SIZES ARE MINIMUMS. LARGER SCREW SIZES MAY BE USED.

FOUNDATIONS:

(BY GENERAL CONTRACTOR)

- FOUNDATION DESIGN IS BASED ON SOIL STRATA THAT IS UNDISTURBED, NON-ORGANIC NATIVE SOIL, CLASS 5 (CODE MINIMUM WITHOUT SOILS REPORT) AS PER CBC CHAPTER 18A AND TABLE 1804A.2, WITH A NET BEARING CAPACITY OF 1500 PSF AT 12" BELOW GRADE. FOUNDATIONS SHALL BEAR ON FIRM FOUNDATION SOIL STRATA AS APPROVED BY THE BUILDING OFFICIAL. EXPANSIVE, ORGANIC, LOOSE OR SOFT SOILS SHALL NOT BE UTILIZED FOR SUPPORT OF FOOTINGS OR SLABS ON GRADE. THE ENGINEER IS NOT RESPONSIBLE FOR SETTLEMENT DUE TO SOFT SOILS OR EFFECTS DUE TO EXPANSIVE SOILS. IT IS THE OWNER'S RESPONSIBILITY TO INSURE COMPLIANCE WITH THESE REQUIREMENTS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SHORE AND BRACE AS REQUIRED. SEE SAFETY NOTES FOR ADDITIONAL INFORMATION.
- ALL FOUNDATIONS ARE SHOWN AND DIMENSIONED AS BEING FORMED. FOUNDATIONS MAY BE PLACED IN NEAT EXCAVATIONS PROVIDED FOOTINGS ARE INCREASED 2" IN WIDTH. SEE TYPICAL EXCAVATION DETAIL 11/S3.1.
- EXCAVATIONS SHALL BE CLEANED OF ALL DEBRIS AND LOOSE SOIL. STANDING WATER SHALL BE REMOVED PRIOR TO CONCRETE PLACEMENT.
- BOTTOMS OF ALL FOUNDATIONS SHALL BE LEVEL.
- CONTRACTOR SHALL CHECK FOOTING FORMS TO VERIFY THAT THEY SQUARE & PLUMB. THE CONTRACTOR SHALL ALSO VERIFY THAT ALL INSERTS & EMBEDS ARE IN THEIR CORRECT LOCATION & ORIENTATION PRIOR TO PLACING CONCRETE.
- FOR FOUNDATION CONDITIONS NOT SHOWN ON THESE PLANS, THE FOUNDATIONS MAY BE DESIGNED BY THE ENGINEER OF RECORD AND APPROVED BY DSA. ALLOWABLE BEARING AND SLIDING VALUES MAY BE USED FROM A SOILS REPORT IF PROVIDED, OR PER CBC CHAPTER 18A AND TABLE 1806A.2 IF NO SOILS REPORT IS PROVIDED.

REINFORCING STEEL:

- REINFORCING SHALL CONFORM TO ASTM A615 - GRADE 60 UNO.
- NO REINFORCING BARS ARE TO BE WELDED UNLESS SPECIFICALLY DETAILED IN CONTRACT DOCUMENTS. ALL BARS SO DETAILED TO BE WELDED SHALL BE ASTM A706 BARS.
- ALL REBAR TO BE WELDED SHALL BE CONTINUOUSLY INSPECTED BY A QUALIFIED TESTING LABORATORY. CONTRACTOR MUST FURNISH TO THE LABORATORY MILL CERTIFICATES SHOWING CHEMICAL ANALYSIS, ALL PREHEATING AND WELDING SHALL BE DONE BY WELDERS CERTIFIED TO WELD REINFORCING BARS IN ACCORDANCE WITH AWS D1.4-05 STANDARDS.
- ERXX ELECTRODE SHALL BE USED FOR ALL REBAR WELDING.
- TACK WELDING TO REBAR IS STRICTLY PROHIBITED.
- WIRE FABRIC SHALL CONFORM TO ASTM A185. WELDED WIRE FABRIC SHALL BE LAP SPLICED TWO SQUARES MIN EACH DIRECTION.
- REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND INSTALLED IN ACCORDANCE WITH ACI 315.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
 - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
 - CONCRETE EXPOSED TO EARTH OR WEATHER, BUT PLACED IN FORMS 2"
 - SLAB (ON GROUND) POSITION IN CENTER OF SLAB, UNO.
- REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED SHALL BE SECURELY POSITIONED BEFORE PLACING CONCRETE. OBTAIN APPROVAL OF ALL AFFECTED TRADES PRIOR TO PLACING CONCRETE.
- ALL BARS SHALL HAVE A CLASS B MINIMUM SPLICE LAP UNLESS OTHERWISE NOTED. SEE REINFORCEMENT LAP SPLICES TABLE.
 - DOWEL ALL VERTICAL REINFORCING IN WALLS AND COLUMNS FROM FOUNDATION WITH THE SAME SIZE REINFORCING. UNO.

REINFORCEMENT
LAP SPLICE LENGTHS
(IN INCHES)

f'c = 3000 PSI AT 28 DAYS										
SPLICE CLASS	REINFORCEMENT LOCATION	REINFORCEMENT SIZE (GR60, UNO)								
		#3	#4	#5	#6	#7	#8	#9	#10	#11
A	TOP	21	28	36	43	62	71	80	89	98
	OTHER	16	22	27	33	48	55	62	68	75
B	TOP	28	37	46	56	81	93	104	116	131
	OTHER	21	28	36	43	62	71	80	91	101

- FOOTNOTES:
- TABLE ABOVE BASED ON UNCOATED REINFORCING.
 - TOP REINFORCING IS HORIZONTAL REINFORCEMENT THAT HAS MORE THAN TWELVE INCHES OF FRESH CONCRETE CAST BELOW IT.
 - FOR BARS WITH COVER LESS THAN 1 BAR DIAMETER OR WITH CLEAR SPACING LESS THAN 2 BAR DIAMETERS, INCREASE LAP SPLICE BY 100%

STRUCTURAL STEEL:

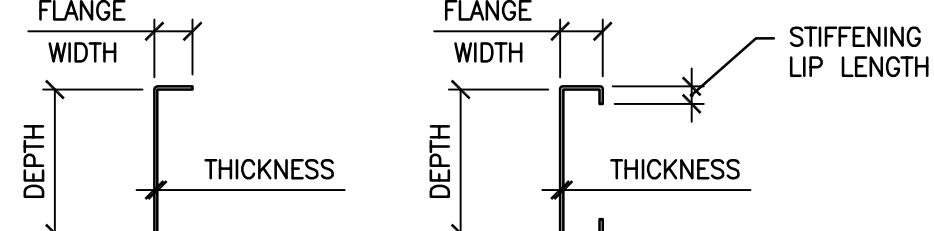
- FABRICATION, ERECTION AND MATERIALS SHALL CONFORM WITH THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND 2016 CBC.
- STRUCTURAL STEEL SHAPES AND CONNECTORS SHALL CONFORM TO THE FOLLOWING:
 - TUBE STEEL (UNO) ASTM A500, GRADE B (Fy = 46 KSI)
 - PIPE COLUMNS ASTM A53, TYPES E OR S, GRADE B (Fy = 35 KSI)
 - ANGLES, CHANNELS, BARS & MISCELLANEOUS SHAPES SHALL BE GRADE 50
 - PLATES ASTM A529, A572 OR A1011, GRADE 50
 - MACHINE BOLTS ASTM A307
 - HIGH STRENGTH BOLTS (HSS) ASTM A325-N (UNO)
 - HARDENED STEEL WASHERS ASTM F436
 - ANCHOR BOLTS ASTM F1554 GRADE 105 UNO (HEAD OR LOCKNUT)
- SPLICING STRUCTURAL MEMBERS WHERE NOT DETAILED ON THE DRAWING IS PROHIBITED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER AND DSA.
- EXCEPT AS OTHERWISE NOTED, ALL BOLTS SHALL BE MACHINE BOLTS.
- FOR ALL HIGH STRENGTH BOLTS, HARDENED WASHERS SHALL BE PROVIDED UNDER THE TURNING ELEMENT OF BOLT FOR TORQUING AS REQUIRED.
- HOLES FOR MACHINE BOLTS SHALL BE DRILLED AND OF THE SAME NOMINAL DIAMETER AS THE BOLT PLUS 1/16". COLUMN BASE PLATE ANCHOR BOLT HOLES MAY BE OVERSIZED IN ACCORDANCE WITH AISC 360 AND TABLE 14-2 OF THE 14TH EDITION OF THE STEEL CONSTRUCTION MANUAL, WITH HEAVY HEX NUTS OR PLATE WASHERS UNDER BASE PLATE.
- USE STANDARD AISC GAGE AND PITCH FOR BOLTS EXCEPT AS OTHERWISE NOTED.
- "SLIP CRITICAL" BOLTED CONNECTIONS:
 - "SLIP CRITICAL" CONNECTIONS (A325S DESIGN VALUES WITH SPECIAL INSPECTION) ARE REQUIRED WHERE INDICATED.
 - THE SPECIAL INSPECTOR MUST BE PRESENT DURING THE ENTIRE INSTALLATION AND TIGHTENING OPERATION OF "SLIP CRITICAL" CONNECTIONS.
- ALL WELDING IS TO BE DONE BY CERTIFIED WELDERS USING E70XX ELECTRODES (UNO). ER70S-6 WELDING WIRE MAY BE USED FOR NON-FULL PENETRATION WELDS, THE USE OF E70-14 WELDING WIRE IS NOT ALLOWED FOR ANY APPLICATION. ALL WELDS SHALL BE IN CONFORMITY WITH THE PROJECT SPECIFICATIONS AND STRUCTURAL WELDING CODE - STEEL OF THE AMERICAN WELDING SOCIETY (AWS D1.1: D1.8 LATEST REVISION). SEE SITE SPECIFIC DSA FORM 103 FOR WELDING INSPECTION REQUIREMENT. SUBMIT ALL WELDING PROCEDURES AND SPECIFICATIONS TO ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO BEGINNING FABRICATION.
- WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED, WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC 360-10, SECTION 32.2b.
- PROVIDE 3" MINIMUM CONCRETE COVER ON ALL STEEL BELOW GRADE.
- ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND SHALL BE LEFT IN PLACE UNTIL OTHER MEANS ARE PROVIDED TO ADEQUATELY BRACE THE STRUCTURE.
- NON-SHRINK GROUT: A PREMIXED NON-METALLIC FORMULA WITH NO CHLORIDES HAVING THE FOLLOWING CHARACTERISTICS:
 - FLOWABLE MIX AT TIME OF PLACEMENT
 - NO SHRINKAGE AFTER PLACEMENT
 - COMPRESSIBLE STRENGTH OF 5000 PSI (MINIMUM) AT 7 DAYS
 - CONFORMS TO ASTM C1107 (GRADE C)
- TEMPORARILY STABILIZE ELEVATOR HISTORY TO PREVENT LATERAL DISPLACEMENT BEFORE ADDING VERTICAL LOAD. PLACE NON-SHRINK GROUT (EMBCO 636, RAPIDSET CEMENTAL OF APPROVED EQUAL) UNDER ALL BASE PLATES AND ALLOW TO SET PER MANUFACTURER'S RECOMMENDATIONS BEFORE REMOVING LATERAL STABILIZATION.
- THICKNESS DIMENSIONS OF HSS ARE MINIMUMS. THICKER HSS MEMBERS UP TO 1/2" MAX MAY BE USED.

GENERAL NOTES

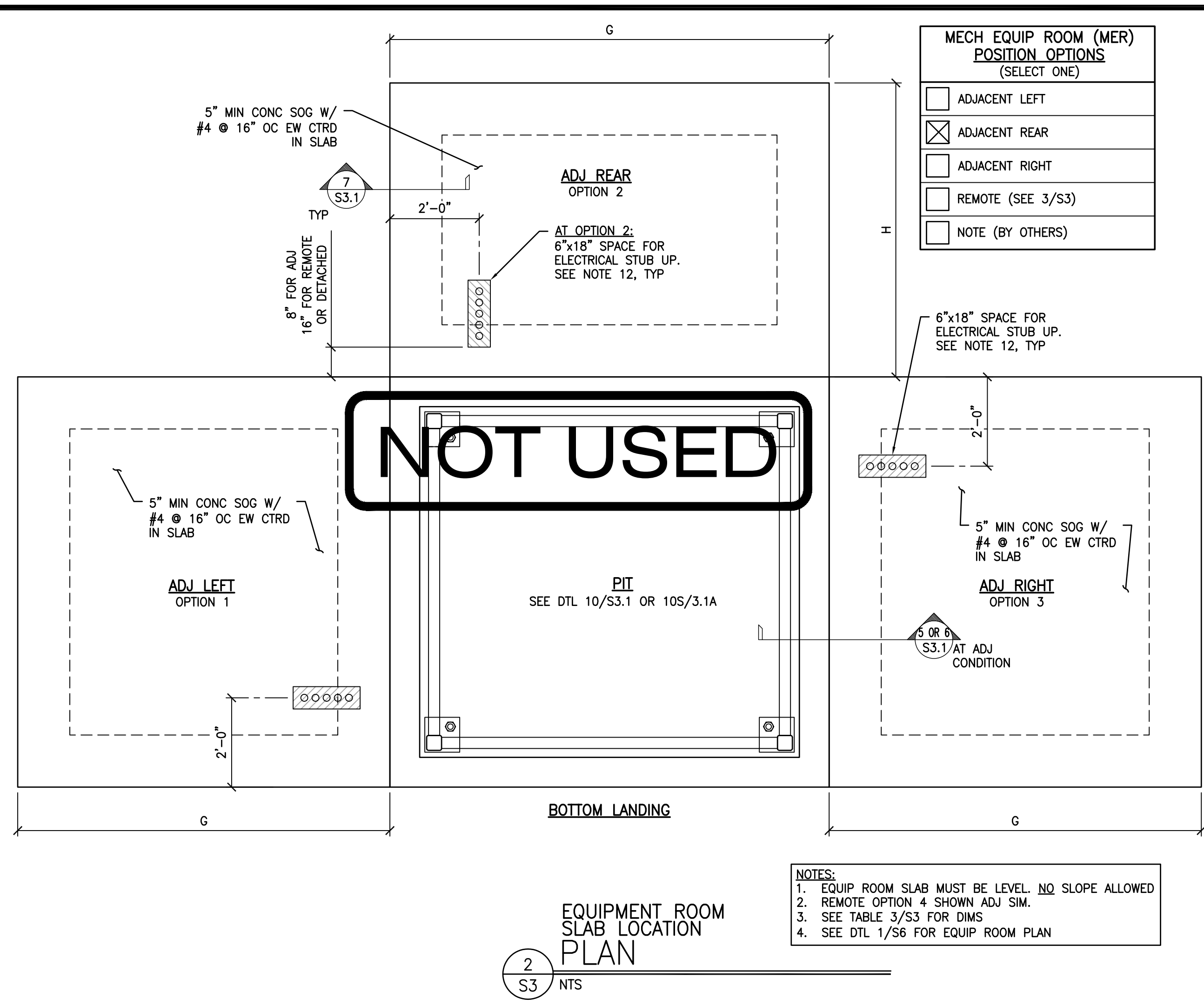
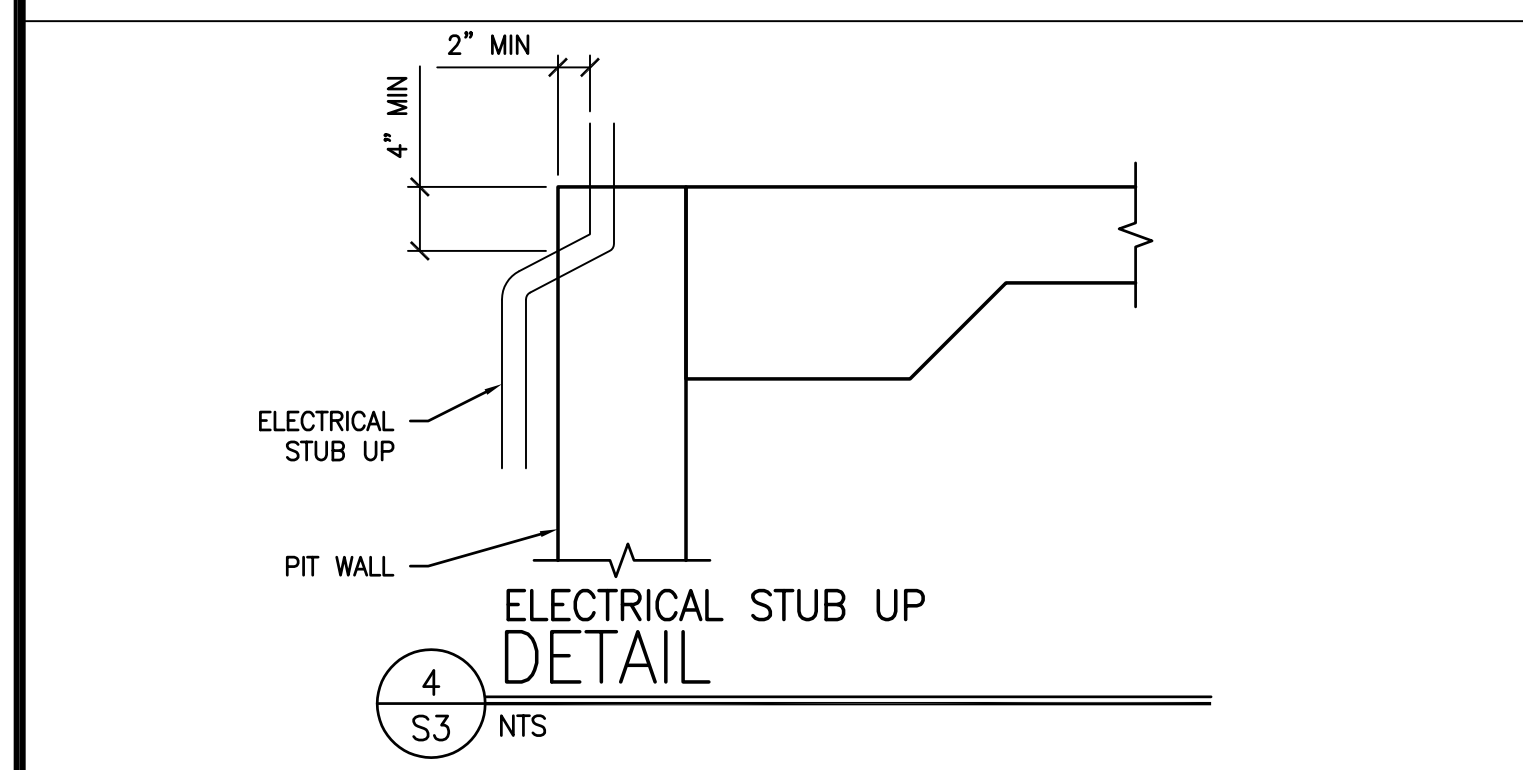
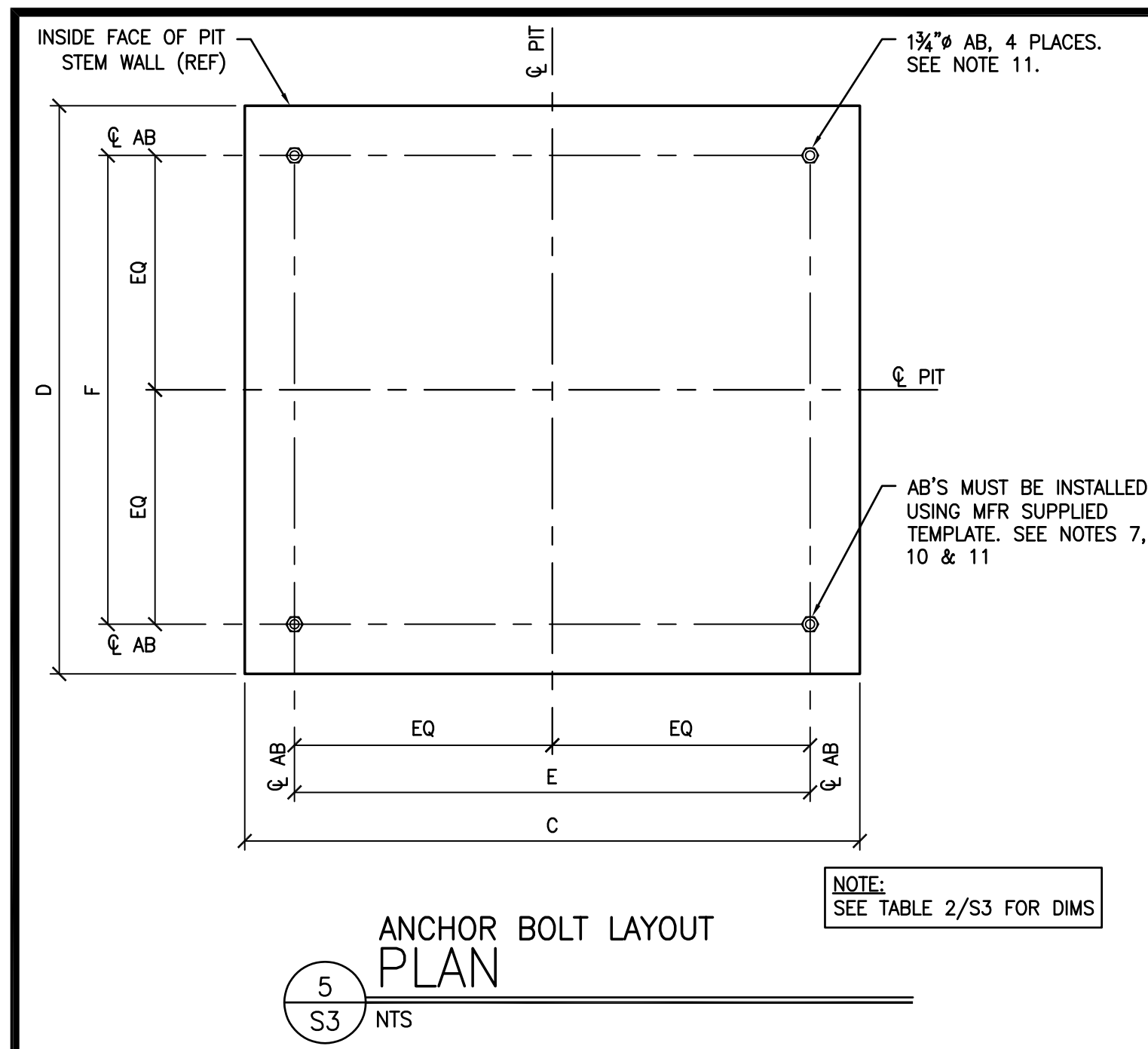
- ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
- TYPICAL NOTES AND DETAILS SHALL APPLY UNLESS OTHERWISE SHOWN OR NOTED ON DRAWINGS.
- DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF THE SAME NATURE AS SHOWN FOR SIMILAR CONDITION.
- ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE 2016 CALIFORNIA BUILDING CODE, TITLE 24 C.C. WITH LATEST REVISIONS AND REFERRED TO HERE AS "THE CODE" AND OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK. IF CONFLICTS OCCUR BETWEEN DRAWINGS AND SPECIFICATIONS, THE MOST EXPENSIVE MATERIALS OR METHODS SHALL PREVAIL. STRUCTURAL ENGINEER SHALL BE NOTIFIED OF CONFLICTS AND THAT PORTION OF WORK SHOULD NOT PROCEED UNTIL CONFLICT IS RESOLVED.
- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OR SEQUENCE OF CONSTRUCTION.
- ASTM SPECIFICATIONS ON THE DRAWINGS SHALL BE OF THE LATEST REVISION.
- CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON FRAMED ROOF OR FLOOR. LOAD SHALL NOT EXCEED DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND / OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH.
- HEAVY EQUIPMENT, CRANES AND MATERIAL STOCKPILES SHALL NOT BE LOCATED ON OR ADJACENT TO SHORING.
- SUBSTITUTIONS FOR STRUCTURAL MEMBERS, HARDWARE, OR DETAILS SHALL BE REVIEWED BY THE ARCHITECT AND STRUCTURAL ENGINEER AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. FOR A SUBSTITUTION TO BE REVIEWED THE CONTRACTOR SHALL AGREE & COMPLY WITH THE FOLLOWING:
 - THE CONTRACTOR SHALL BE BILLED ON A TIME AND MATERIALS BASIS FOR THE REVIEW OF THE SUBSTITUTION WITH NO GUARANTEE OF APPROVAL.
 - VERIFY THAT THE SUBSTITUTION DOES NOT AFFECT DIMENSIONS SHOWN ON DRAWINGS.
 - THE CONTRACTOR SHALL ALSO PAY FOR CHANGES TO DESIGN, WHICH INCLUDES BUT IS NOT LIMITED TO: ENGINEERING DESIGN, DETAILING, APPROVAL AGENCY PROCESS AND CONSTRUCTION COST CAUSED BY THE REQUESTED SUBSTITUTION.
 - THE PROPOSED SUBSTITUTION IS TO HAVE NO ADVERSE AFFECT ON OTHER TRADES, THE CONSTRUCTION SCHEDULE, OR THE SPECIFIED WARRANTY REQUIREMENTS.
- NO STRUCTURAL MEMBERS SHALL BE CUT, NOTCHED OR OTHERWISE PENETRATED UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER IN ADVANCE OR SHOWN ON THESE DRAWINGS.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. DIMENSIONS AND ELEVATIONS MUST BE VERIFIED WITH ARCHITECTURAL DRAWINGS. IN THE EVENT OF A CONFLICT, THE STRUCTURAL ENGINEER AND ARCHITECT ARE TO BE NOTIFIED IMMEDIATELY. DRAWING SCALES GIVEN ARE APPROXIMATE - DO NOT SCALE PLANS OR DETAILS.
- SITE VISITS BY STRUCTURAL ENGINEER SHALL NOT BE IN LIEU OF INSPECTIONS.
- SEE ARCHITECTURAL DRAWINGS FOR FOLLOWING:
 - SIZE AND LOCATION OF ALL DOOR OPENINGS.
 - SIZE AND LOCATION OF ALL CONCRETE CURBS, EQUIPMENT PADS, PITS, FLOOR DRAINS, SLOPES AND DEPRESSED AREAS, CHANGE IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC.
 - FLOOR AND ROOF FINISHES.
 - DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
 - CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES.
 - SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES AND ANCHOR BOLTS FOR MOTOR MOUNTS.
- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATION SHALL BE MADE BY AN ADDENDUM OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, C.C.R.
- INSTALLATION MUST COMPLY WITH REQUIREMENTS OF CBC CHAPTER 30 INCLUDING, BUT NOT LIMITED TO:
 - 3002.3 EMERGENCY SIGNS
 - 3002.4.4A - ELEVATOR RECALL
 - 3002.4.5-7A - SIGNAGE
 - 3002.4 - ELEVATOR TO ACCOMMODATE AMBULANCE STRETCHER
 - 3002.5 - EMERGENCY DOORS
 - 3003 - EMERGENCY OPERATIONS
 - 3006 - MACHINE ROOMS.

CLADDING:

THE DESIGNS OF THE STRUCTURAL SYSTEMS FOR THESE ELEVATORS BASED ON A MAXIMUM TOTAL WEIGHT FOR EXTERIOR CLADDING OF 400 LBS PER VERTICAL FOOT OF THE ENTIRE SHAFT FOR ALL MATERIALS EXTERIOR OF THE EXTERIOR SURFACE OF WALL STUDS AND CORNER COLUMNS, INCLUDES WEIGHT OF WALL STUDS, COLUMNS, HORIZONTAL BEAMS, 2-LAYERS OF 3/8" GYPSUM WALL BOARD INSIDE AND OUTSIDE AND EXTERIOR ARCHITECTURAL FINISH. IF ANY COMBINATION OF TOTAL EXTERIOR CLADDING WEIGHTS EXCEEDS 400 LBS PER VERTICAL FOOT BY MORE THAN 40 LBS PER VERTICAL FOOT OF THE SHAFT, THE STRUCTURAL DESIGN OF THE ELEVATOR SHAFT STRUCTURAL SYSTEM AND FOUNDATION MUST BE REVIEWED BY THE MEM STRUCTURAL ENGINEER OF RECORD AND DSA. SEE ADDITIONAL NOTES ON SHEET 54.



SSMA DESIGNATION	GAUGE	Fy (KSI)	FLANGE WIDTH (in)	DESIGN THICKNESS (in)	INSIDE RADIUS (in)	DEPTH (in)	STIFFENING LIP LENGTH (in)	GROSS		EFFECTIVE		INTENDED USE
								A (in ²)	Sx (in ³)	Ix (in ⁴)	Iy (in ⁴)	
350S162-43	18	33	1 5/8"	0.0451	0.0712	3 1/2	0.5	0.334	0.357	0.654	STUDS	
350S162-54	16	50	1 5/8"	0.0566	0.0849	3 1/2	0.5	0.415	0.426	0.804	STUDS	
350S162-68	14	50	1 5/8"	0.0713	0.1069	3 1/2	0.5	0.515				



HOISTWAY SELECTION (SELECT ONE HOISTWAY & ONE ELEVATOR MODEL)

HOISTWAY SIZE (APPROX INSIDE CLR)	<input type="checkbox"/> HW-1 7'-6"W x 6'-10"D	<input checked="" type="checkbox"/> HW-2 8'-6"W x 6'-10"D	<input type="checkbox"/> HW-3 9'-2"W x 6'-10"D
ELEVATOR MODEL	<input type="checkbox"/> 2000R	<input type="checkbox"/> 2500R	<input type="checkbox"/> 3000 R/G
R = REVERSE OPG	<input type="checkbox"/> 2500	<input type="checkbox"/> 3000	<input type="checkbox"/> 3500 G
G = CBC 2016 GURNEY COMPLIANT	<input type="checkbox"/>	<input checked="" type="checkbox"/> 3500 G	<input type="checkbox"/> 4000

REFERENCE TABLE 1, 1/VT/3 FOR ELEVATOR SIZES

TABLE 1 - PIT SLAB DIMS

ALLOWABLE* NET BEARING PRESSURE AT 12" (PSF)	ALLOWABLE* PASSIVE PRESSURE (PCF)	REQ DIMS	
		A	B
<input type="checkbox"/> 1500 (1)	100	16'-4"	16'-8"
<input checked="" type="checkbox"/> 2000 (2)	150	15'-6"	15'-6"
<input type="checkbox"/> 3000 (2)	200	15'-0"	15'-6"
<input type="checkbox"/> 4000 (2)	400	14'-6"	15'-0"

* BASIC UNFACTORED ALLOWABLE VALUE AT 12" MIN DEPTH BLW UNDISTURBED GROUND SURFACE

(1) VALUE ALLOWED FOR DEAD + LIVE LOADS IF NO SOILS REPORT

(2) VALUE ALLOWED FOR DEAD + LIVE LOADS WHEN JUSTIFIED BY A SOIL REPORT

TABLE 2 - PIT DIMS & AB LOCATIONS

DIMS	DESCRIPTION	<input type="checkbox"/> HW-1	<input checked="" type="checkbox"/> HW-2	<input type="checkbox"/> HW-3
C	CLEAR PIT	8'-6"	9'-6"	10'-2"
D	CLEAR PIT	7'-10 1/4"	7'-10 1/4"	7'-10 1/4"
E	AB	7'-1 1/2"	8'-1 1/2"	8'-9 1/2"
F	AB	6'-5 3/4"	6'-5 3/4"	6'-5 3/4"

TABLE 3 - EQUIP ROOM SLAB DIMS

POSITION	OPT 1 SIDE		OPT 2 REAR		OPT 4 REMOTE	
	ALL	HW-1	HW-2	HW-3	ALL (MIN)	
G	8'-4"	9'-10"	10'-10"	11'-6"	8'-4"	
H	9'-2 1/4"	6'-7"	6'-7"	6'-7"	7'-8"	

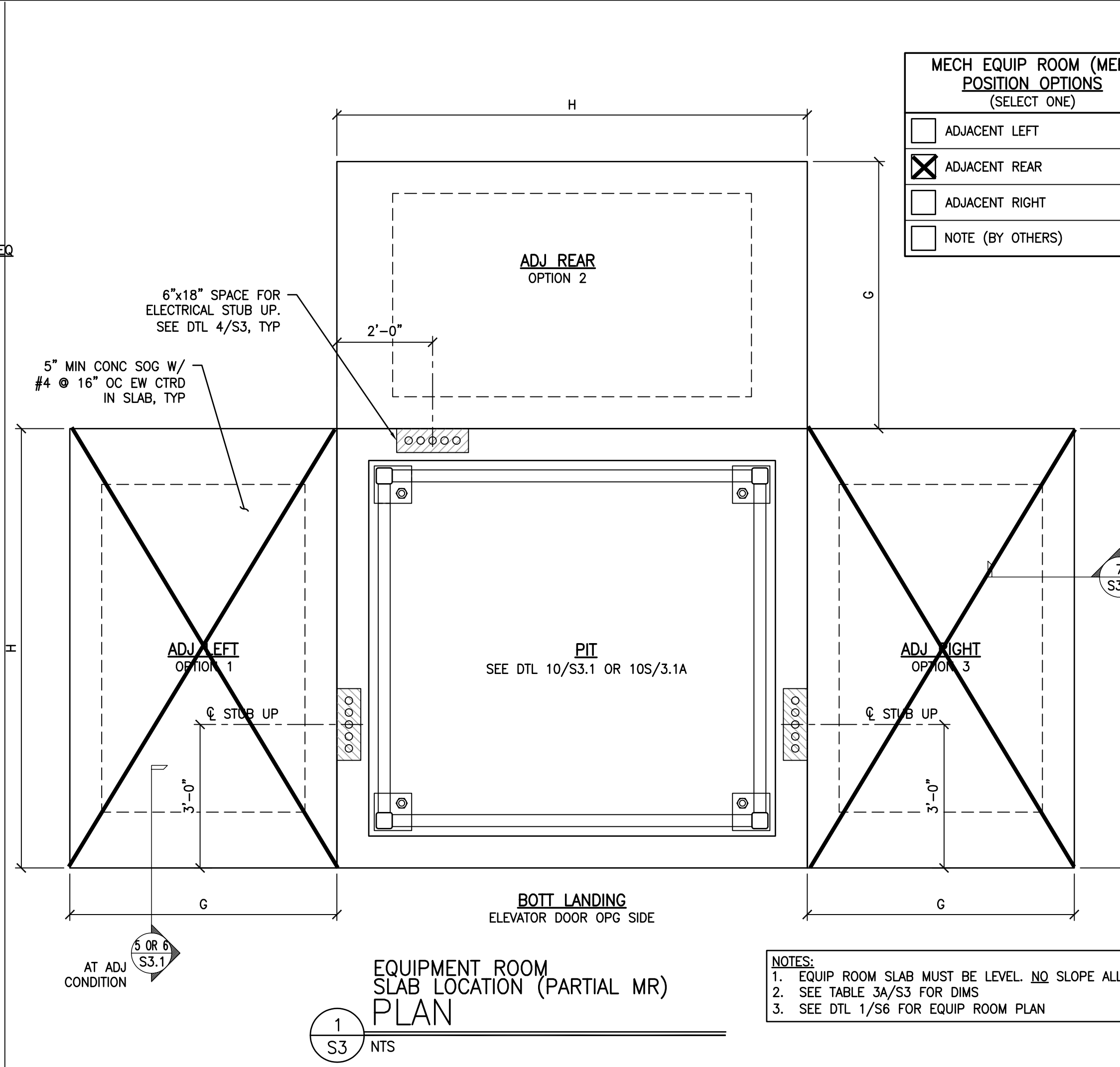
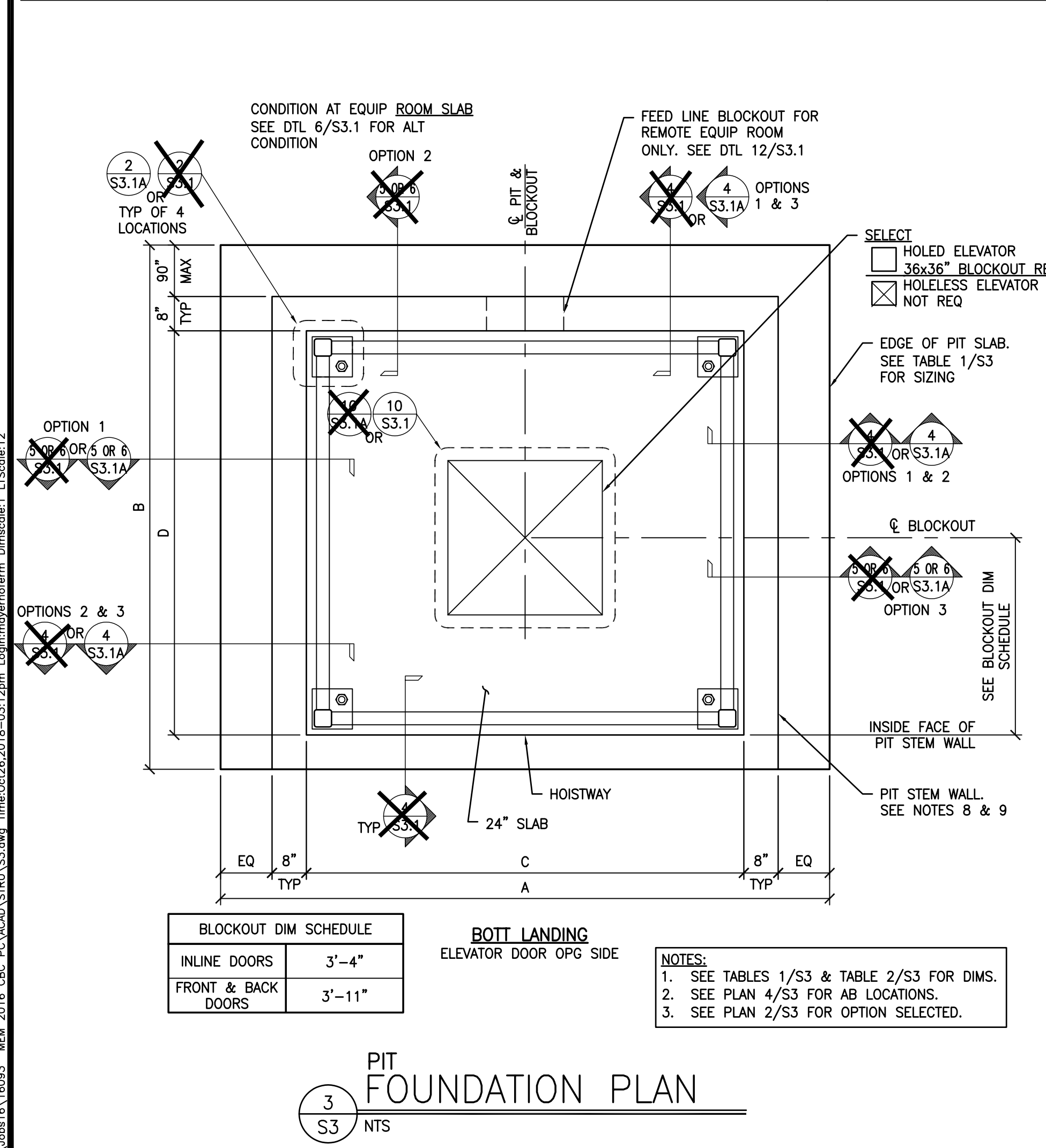
TABLE 3A - MIN EQUIP ROOM SLAB DIMS

POSITION	OPT 1 SIDE		OPT 2 REAR	
	ALL	HW-1	HW-2	HW-3
G	5'-7"	5'-7"	5'-7"	5'-7"
H	9'-2 1/4"	9'-10"	10'-10"	11'-6"

TABLE 3A - POST-INSTALLED ANCHORS TO CONC

MFR	ANCHOR TYPE	ANCHOR DIA (IN)	MIN EFFECTIVE EMBEDMENT (IN) ^a	MIN NOMINAL EMBEDMENT (IN)	MIN EDGE/DISTANCE (IN) ^b	INSTALLATION TORQUE (FT-LB) ^c	NOMINAL APPLIED SHEAR LOAD ^d	ICC-ES ESR
HILTI	KB-TZ	3/8	2	2 5/16	4	25	200	1917
HILTI	KB-TZ	5/8	4	4 7/16	7	60	200	1917
HILTI	KWIK HUS EZ	3/8	2.5	3 1/4	4	40	200	3027
HILTI	KWIK HUS EZ	5/8	3.88	5	7	85	200	3027
SIMPSON STRONGTIE	STRONG-BOLT 2	3/8	2 1/2	2 7/8	4	30	200	3037
SIMPSON STRONGTIE	STRONG-BOLT 2	5/8	4 1/2	5.125	7	80	200	3037
SIMPSON STRONGTIE	TITEN HD	3/8	2.4	3 1/4	4	50	200	2713
POWERS	POWER-STUD+SD1	3/8	2	2 3/8	4	20	200	2818
POWERS	POWER-STUD+SD1	5/8	4	4 5/8	7	80	200	2818

- NOTES:
- PER ICC-ES ESR
 - PER DESIGN DRAWINGS, NOT ICC-ES ESR
 - APPLIED TOWARDS NEAREST FREE EDGE OF CONCRETE.
 - APPLIED TOWARDS NEAREST FREE EDGE OF CONCRETE SUBSTRATE IS SUFFICIENTLY THICK W/ RESPECT TO THE ANCHOR EMBEDMENT SO AS NOT TO BE INFLUENCE TO THE CONNECTOPN



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IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

APP: 03-121419 INC:

REVIEWED FOR

SS FLS ACS

DATE: 09/29/2021

S.E. PC APPROVAL

REGISTERED PROFESSIONAL ENGINEER

Kenneth A. Luttrell

No. 1418

Structural Engineer

STATE OF CALIFORNIA

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MODULAR ELEVATOR MANUFACTURING, INC.

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CHATSWORTH, CA. 91313

800-755-9359

PRE-CHECK (PC) DOCUMENTS

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PROJECT NO: 16093

DATE: 10/19/2018

ENGINEERED BY: KAL

DRAWN BY: MTC

FILE NO. PC-MEM

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES

APPL. 03-118291

AC:MF FLS:ER SS:MC/MK

DATE 11/3/2018

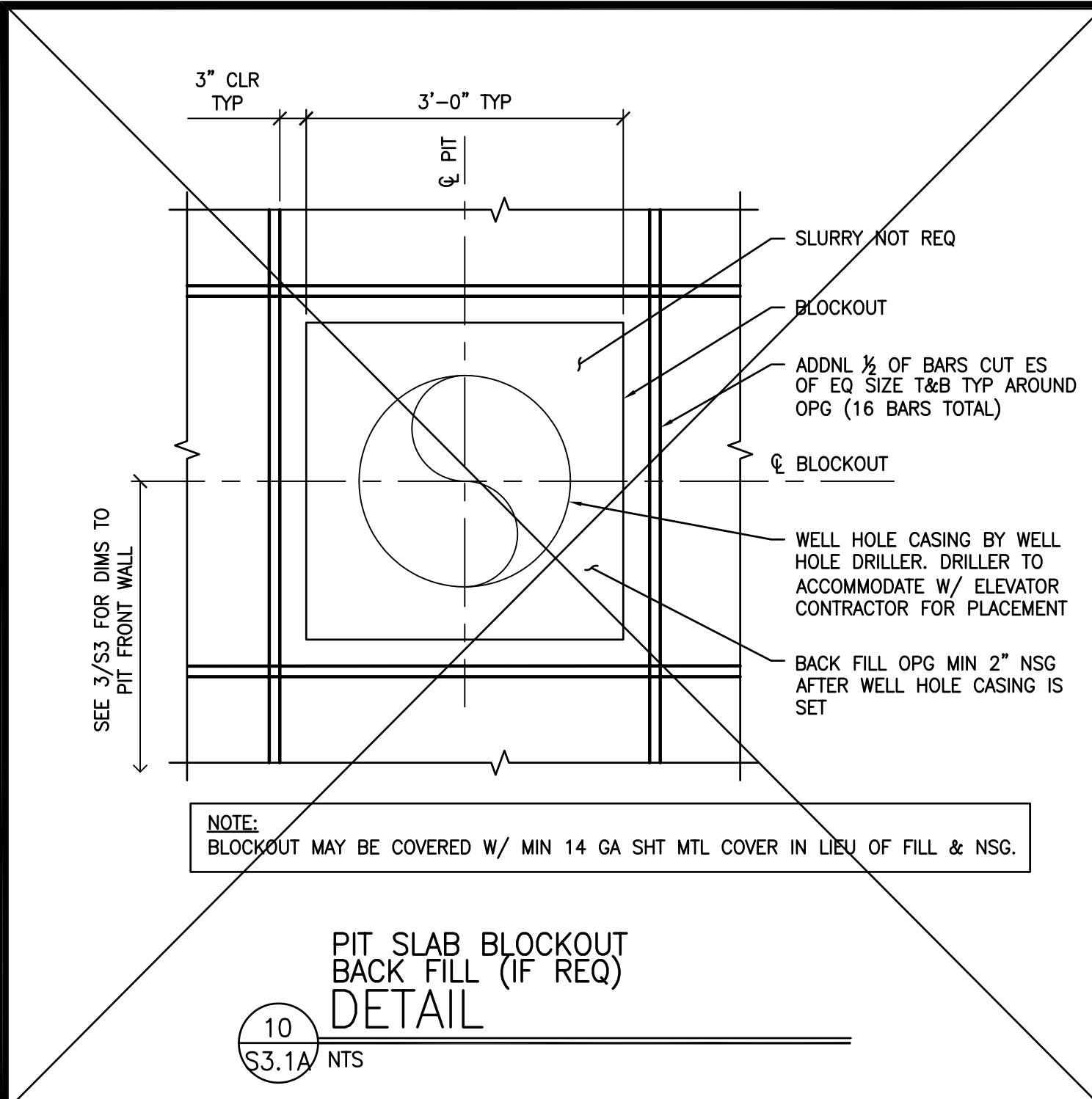
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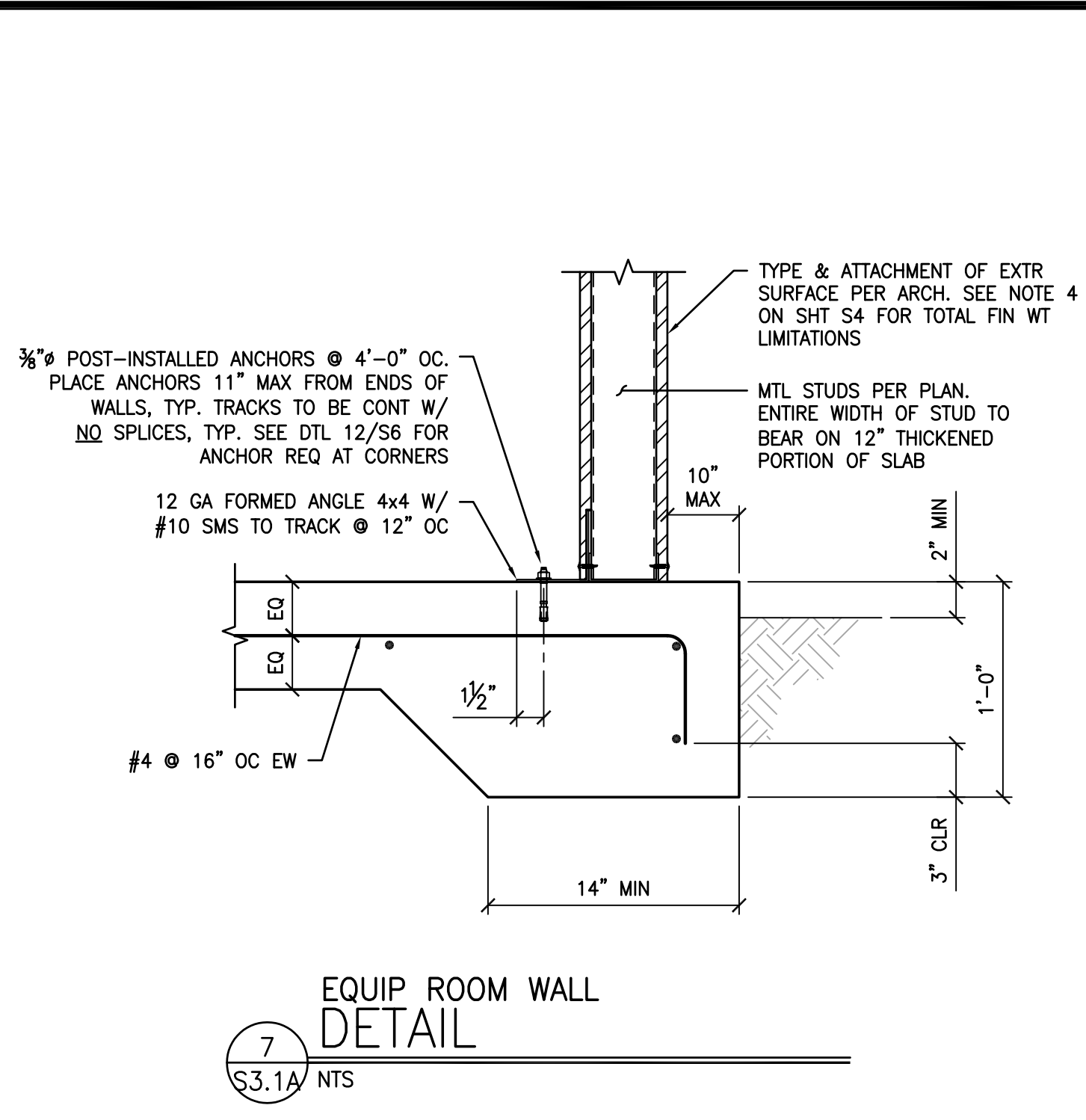
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SHEET NO: S3

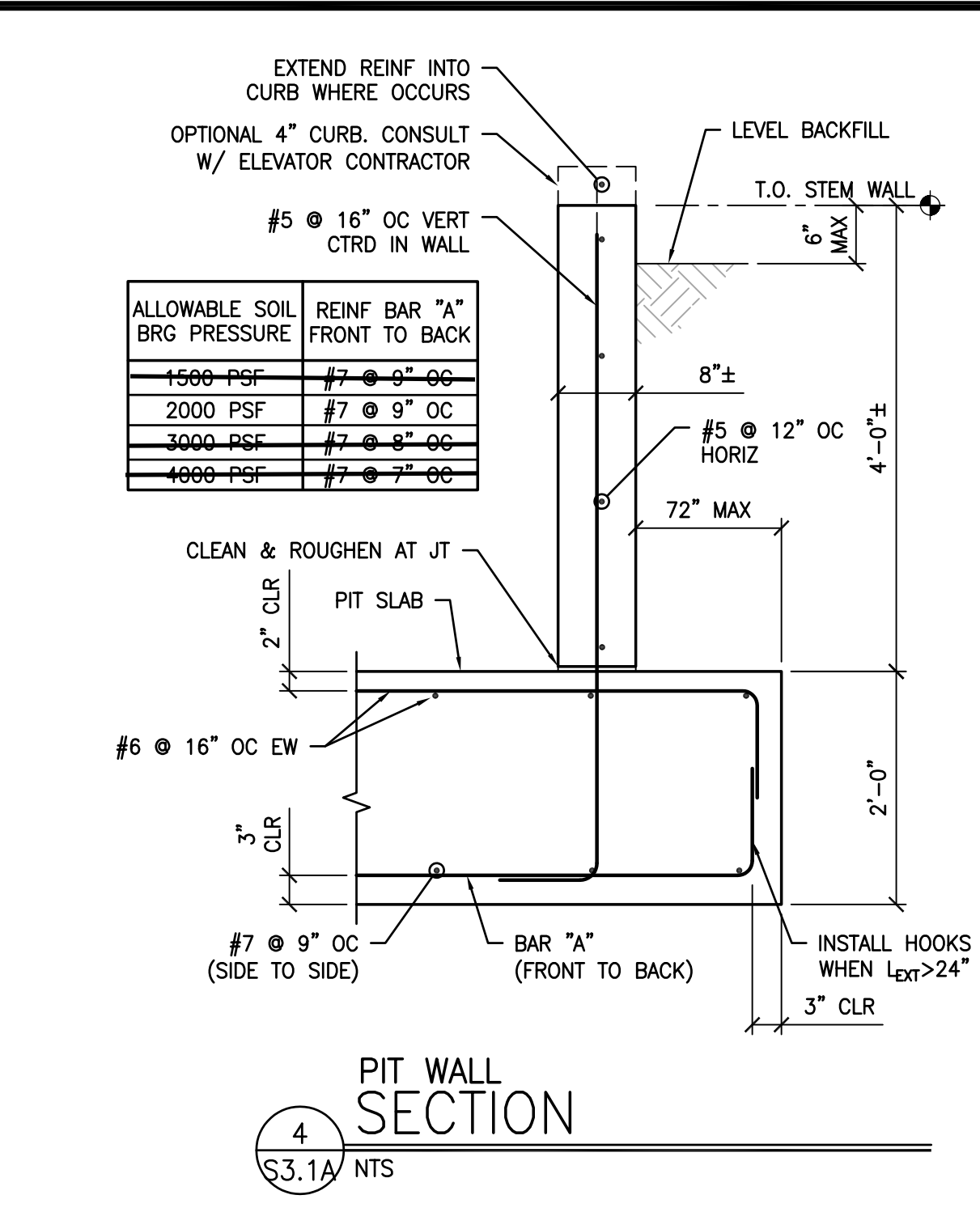
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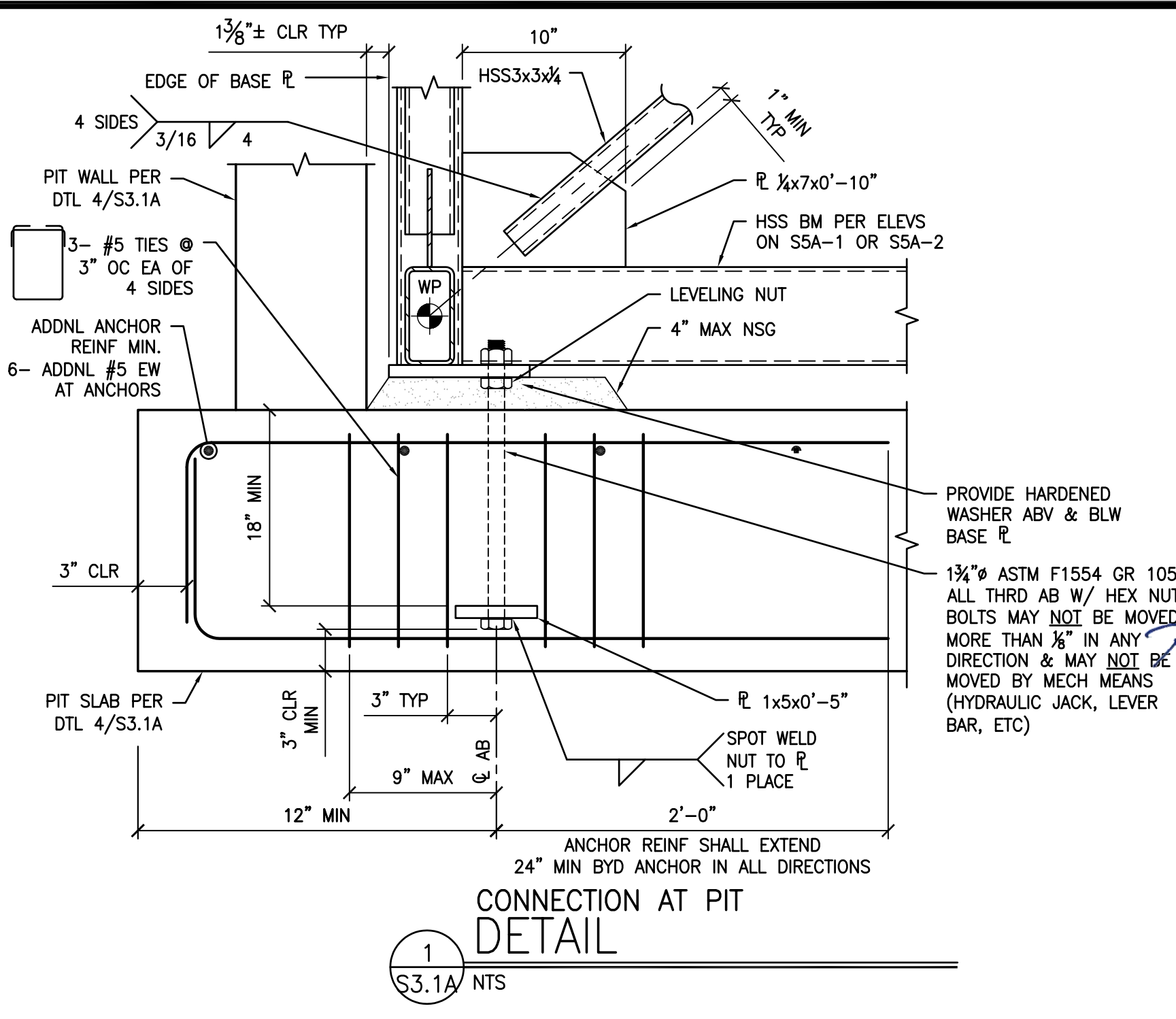
10
S3.1A NTS
PIT SLAB BLOCKOUT
BACK FILL (IF REQ)
DETAIL



7
S3.1A NTS
EQUIP ROOM WALL
DETAIL



4
S3.1A NTS
PIT WALL
SECTION



1
S3.1A NTS
CONNECTION AT PIT
DETAIL

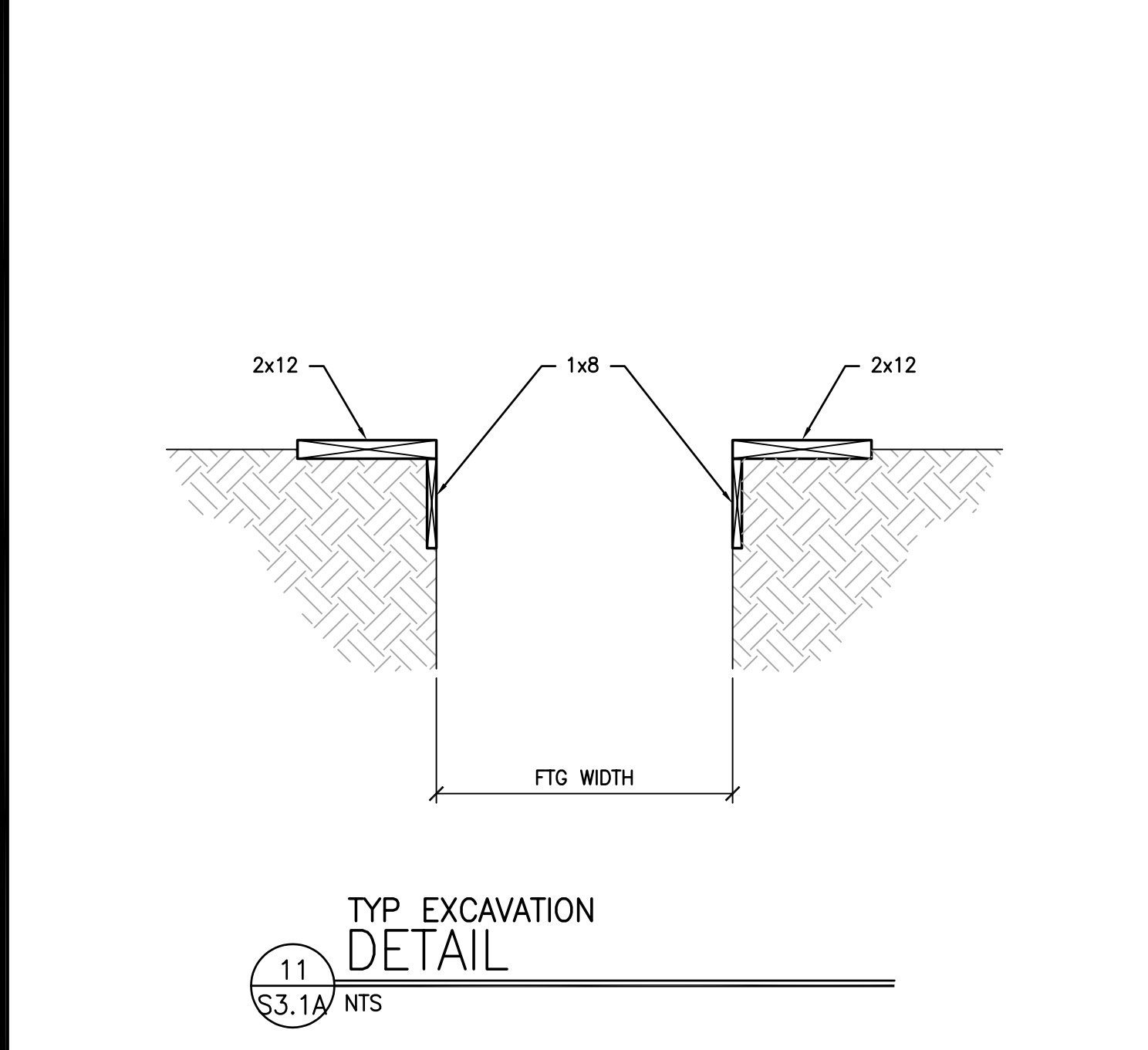
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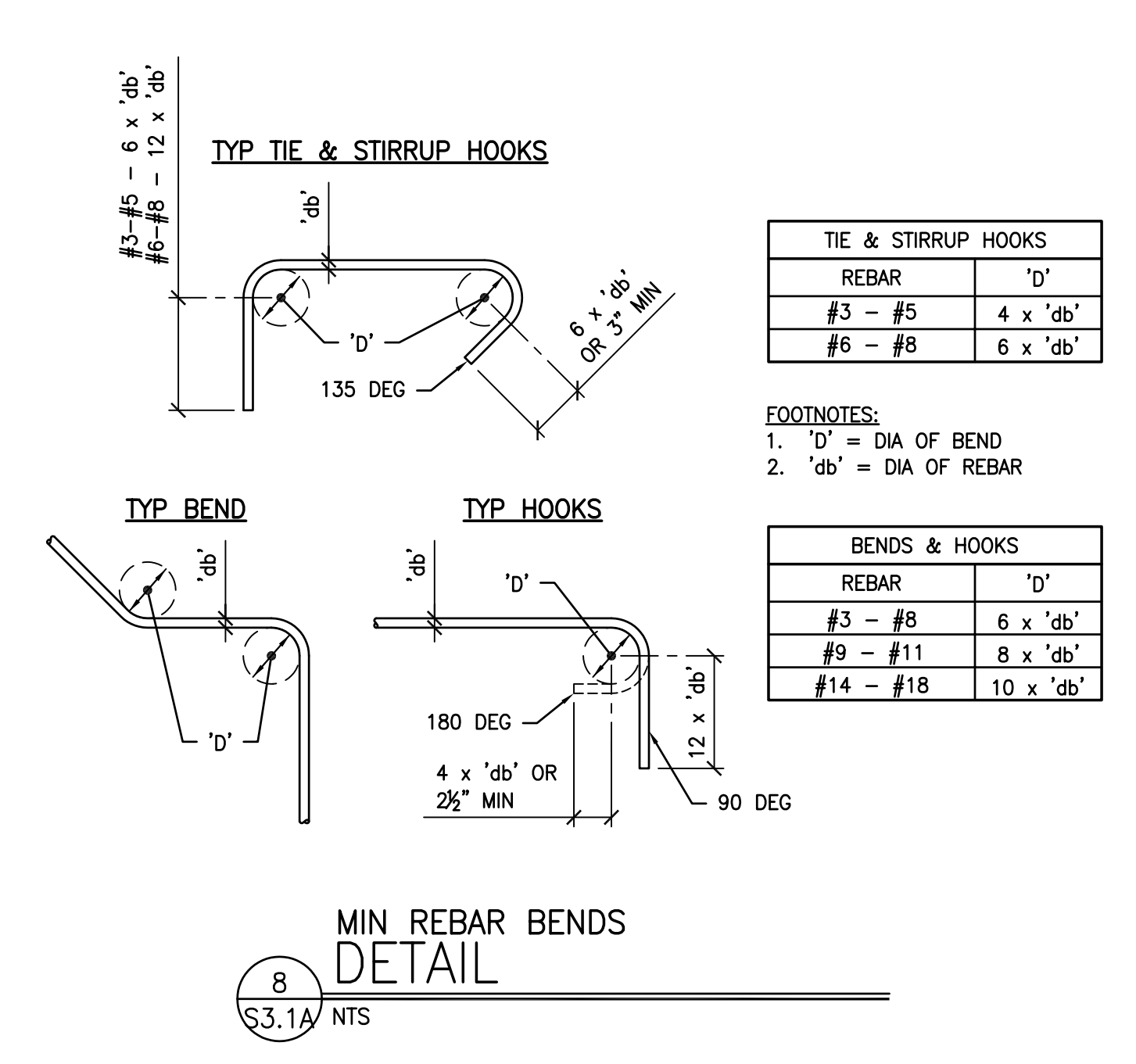
REGISTERED PROFESSIONAL ENGINEER
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No. 1418
Structural Engineer
STATE OF CALIFORNIA

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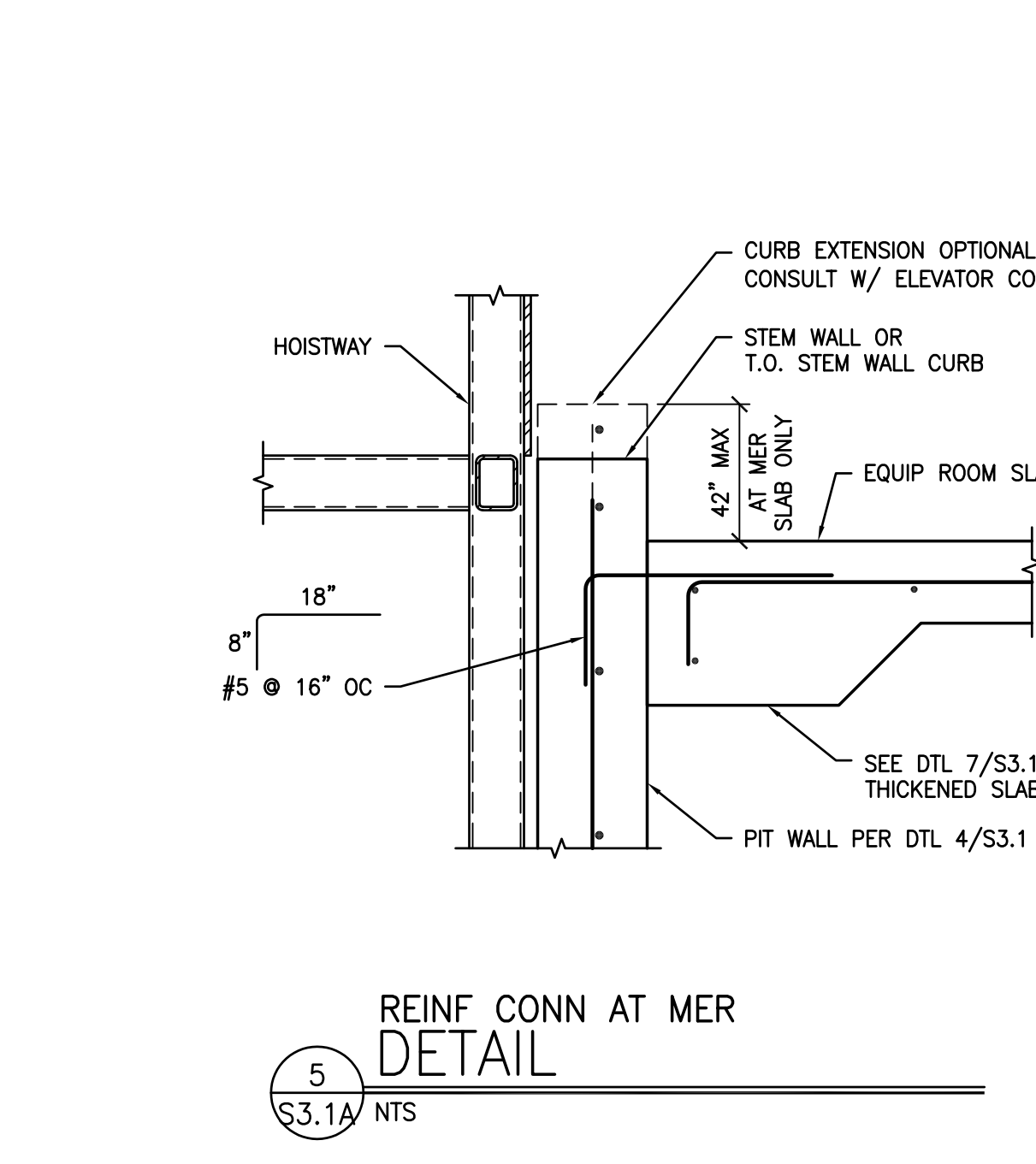
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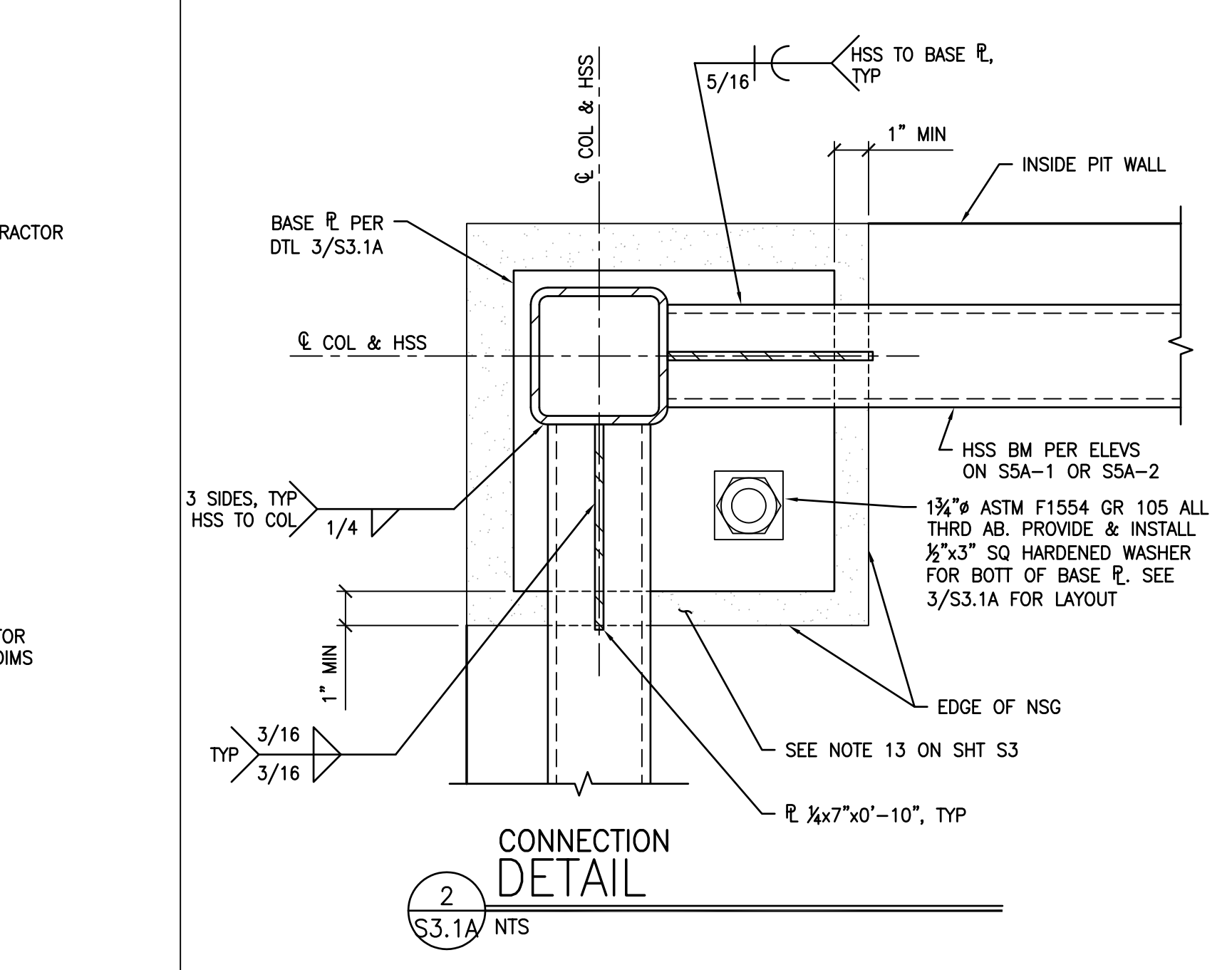
11
S3.1A NTS
TYP EXCAVATION
DETAIL



8
S3.1A NTS
MIN REBAR BENDS
DETAIL



5
S3.1A NTS
REINF CONN AT MER
DETAIL



2
S3.1A NTS
CONNECTION
DETAIL

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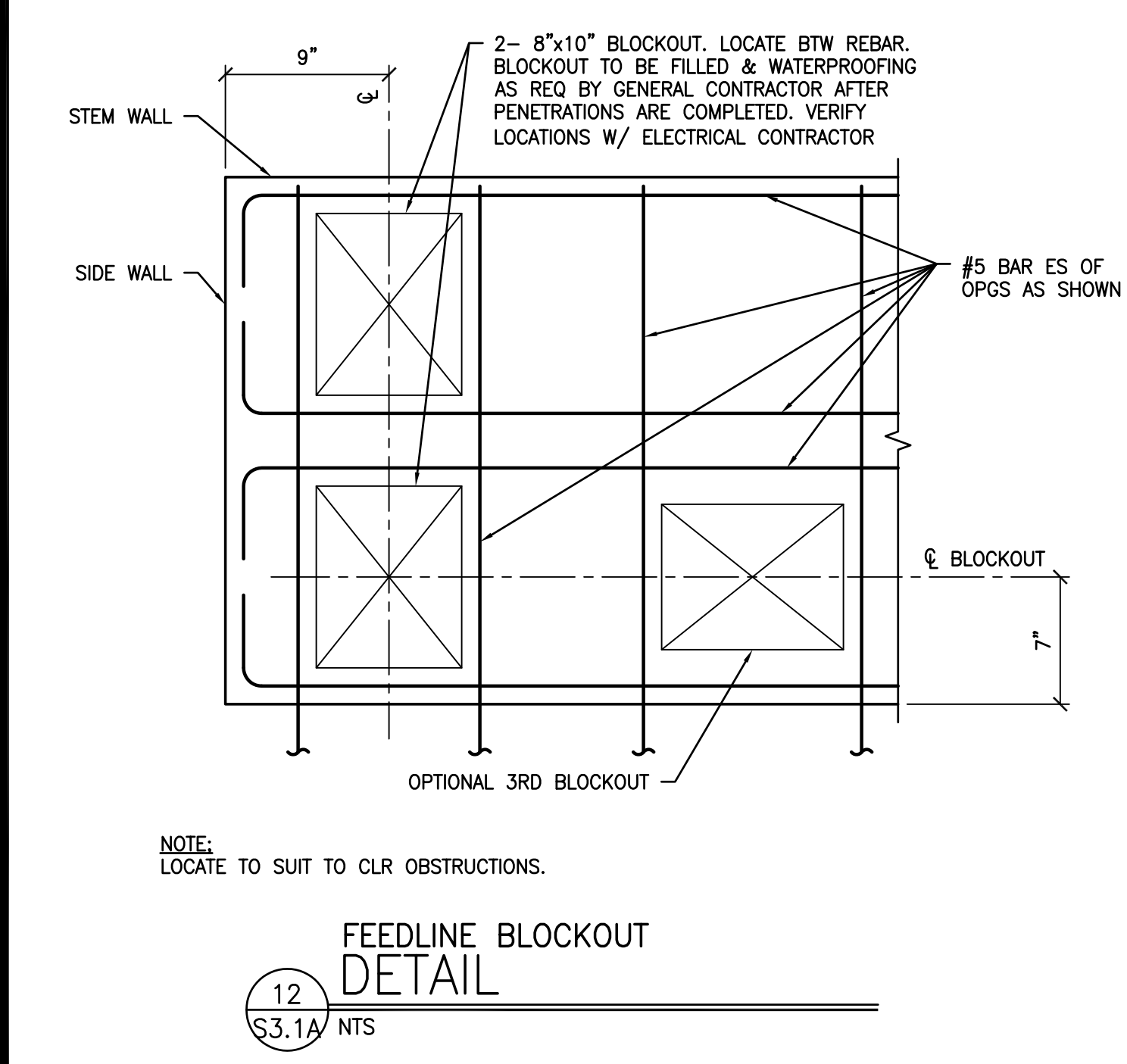
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DATE: 10/19/2018
ENGINEERED BY: KAL
DRAWN BY: MTC

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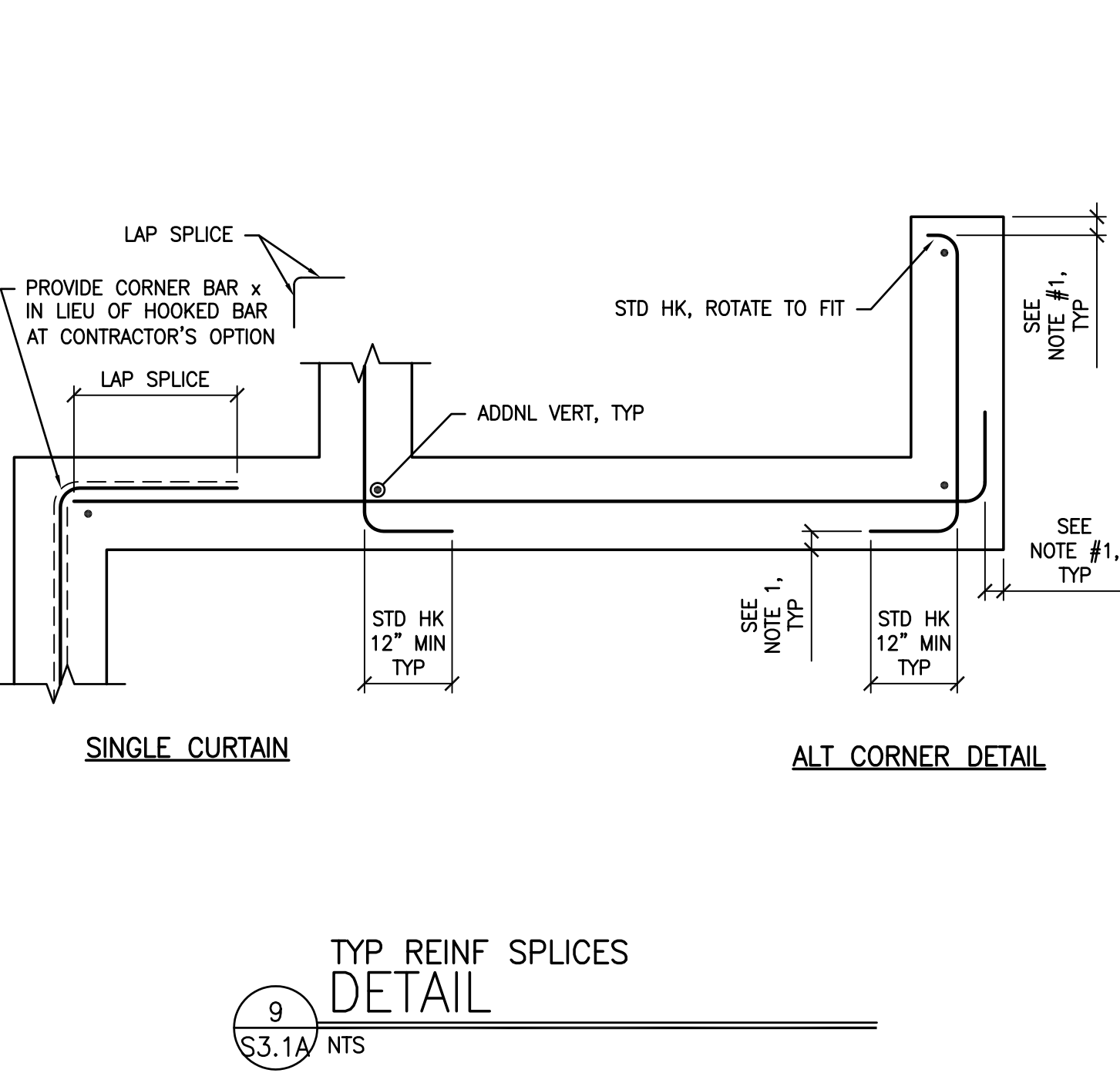
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MAX 44'-0"
TOWER HEIGHT

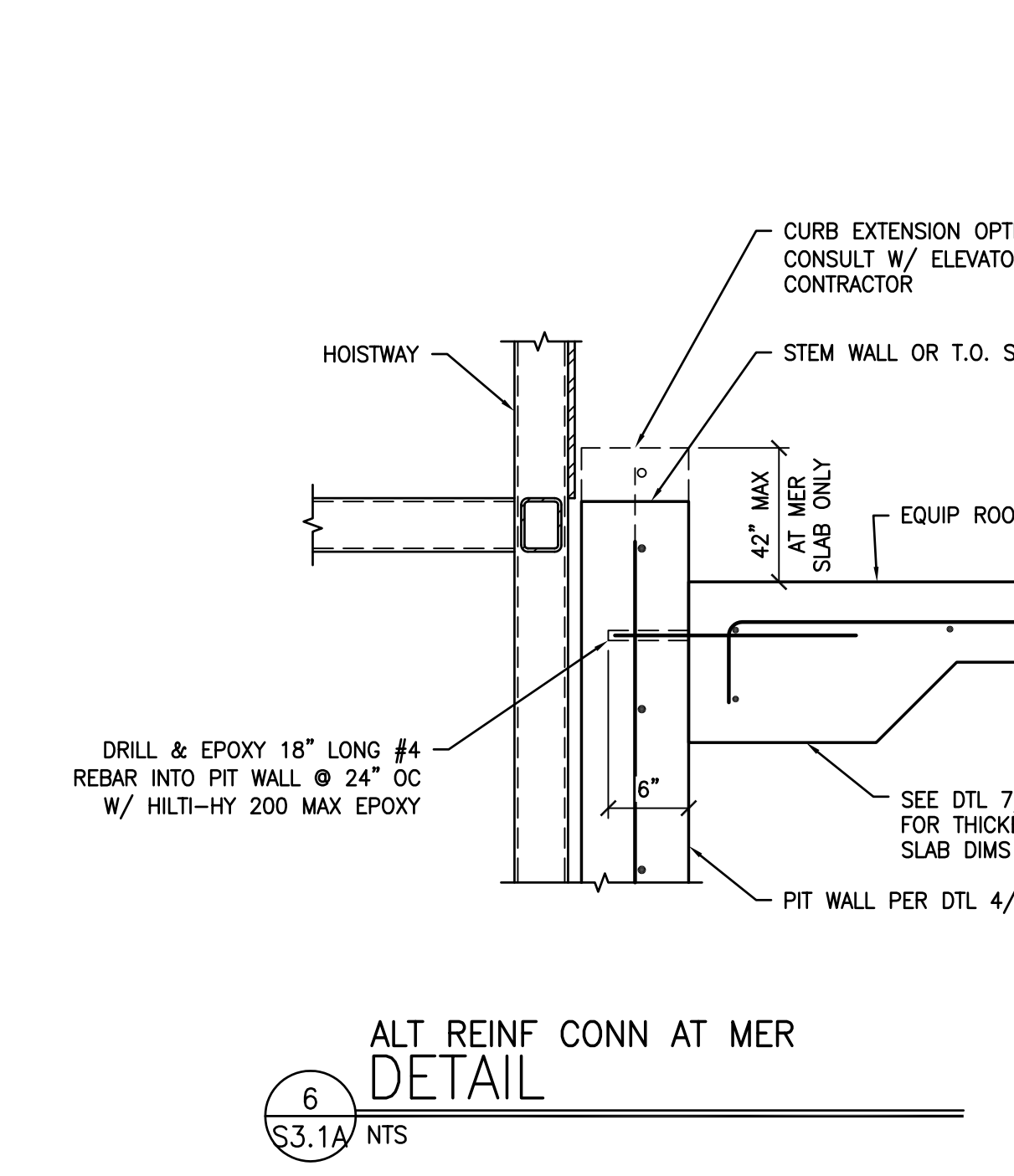
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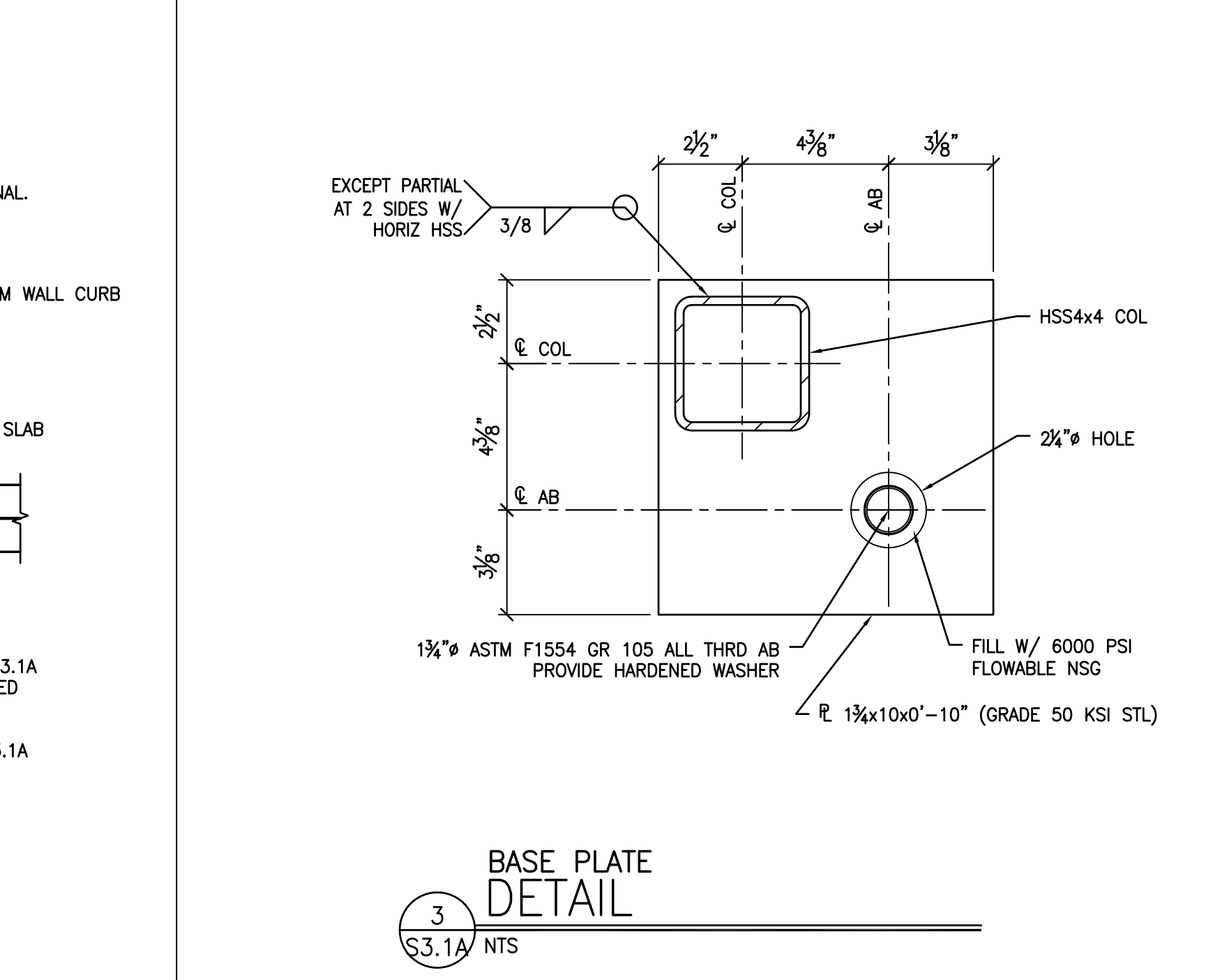
12
S3.1A NTS
FEEDLINE BLOCKOUT
DETAIL



9
S3.1A NTS
TYP REINF SPLICES
DETAIL

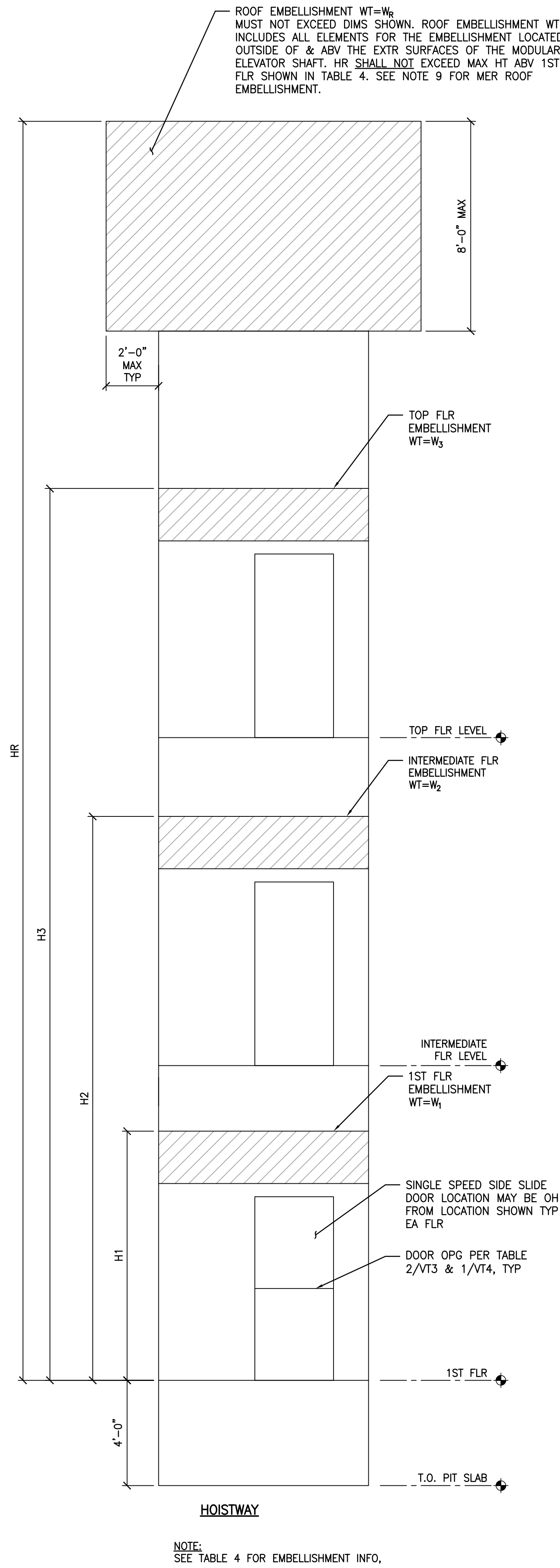


6
S3.1A NTS
ALT REINF CONN AT MER
DETAIL

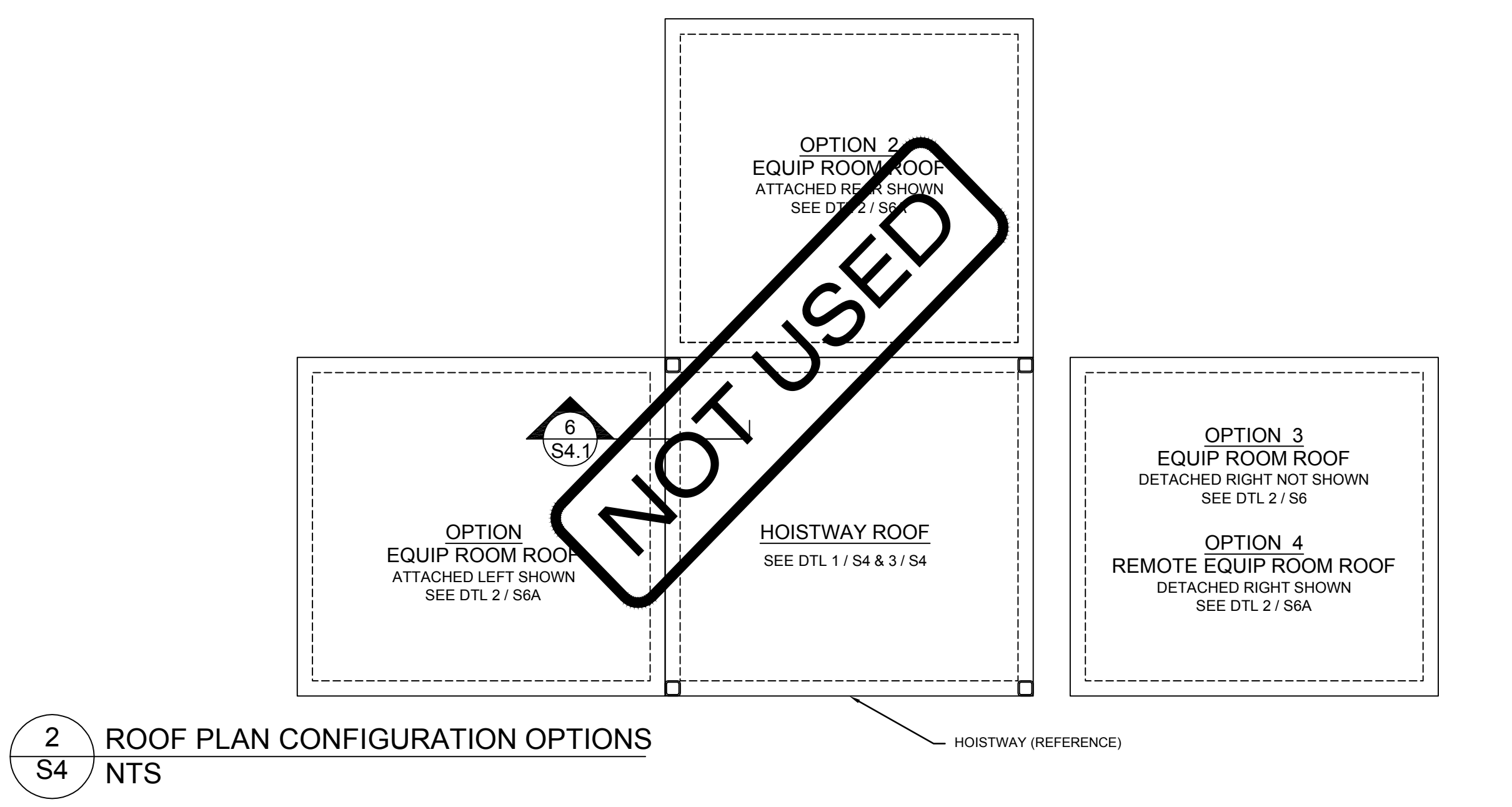
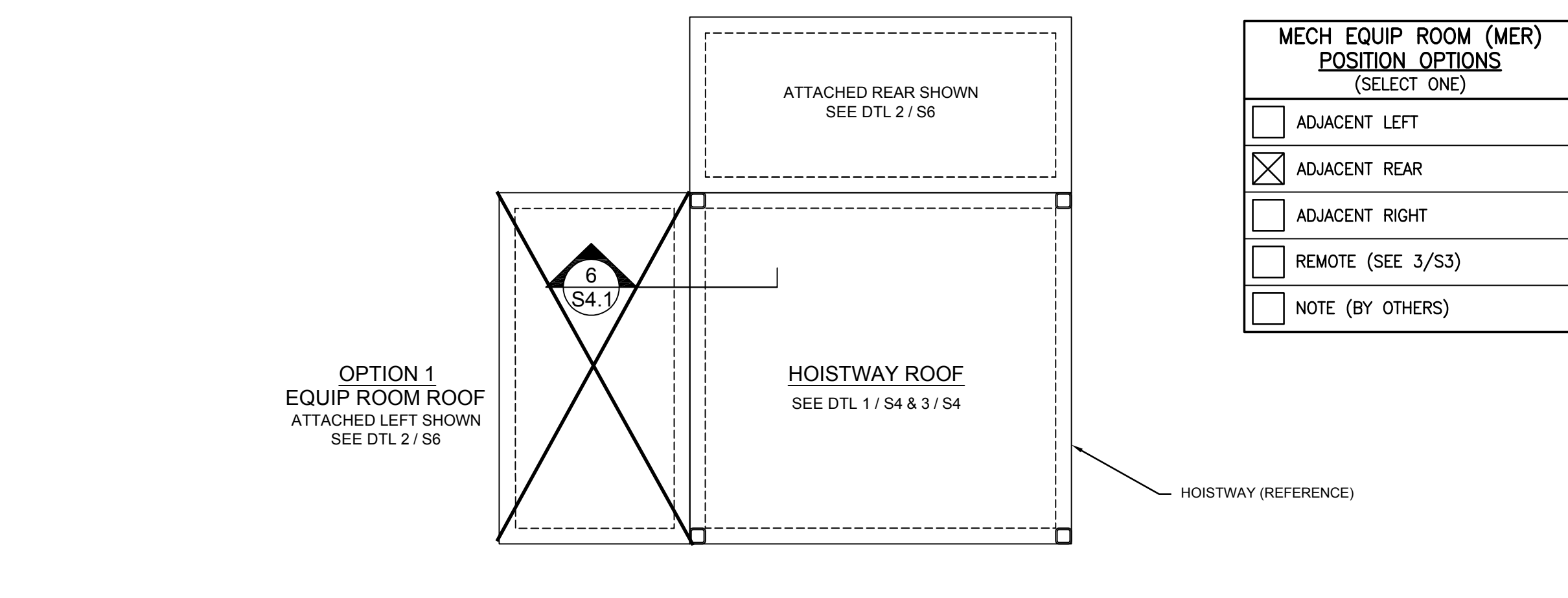


3
S3.1A NTS
BASE PLATE
DETAIL

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4
S4
EMBELLISHMENT LAYOUT
NTS



3
S4
HOISTWAY ROOF FRAMING PLAN
SEE TABLE 5 FOR DIMENSIONS
NTS

TABLE 4 - HOISTWAY EMBELLISHMENT

EMBELLISHMENT LEVEL	MAX HT ABV 1ST FLR (FT)	MAX HT ABV 1ST FLR (FT)	MAX EMBELLISHMENT WEIGHT (LB)
	9' TOWER	44' TOWER	SEE NOTE 4 & 8 BLW
FIRST	H1 = 10	H1 = 10	600
INTERMEDIATE	H2 = 30	H2 = NA	600
TOP	H3 = 43	H3 = 30	600
ROOF	HR = 58	HR = 48	1200

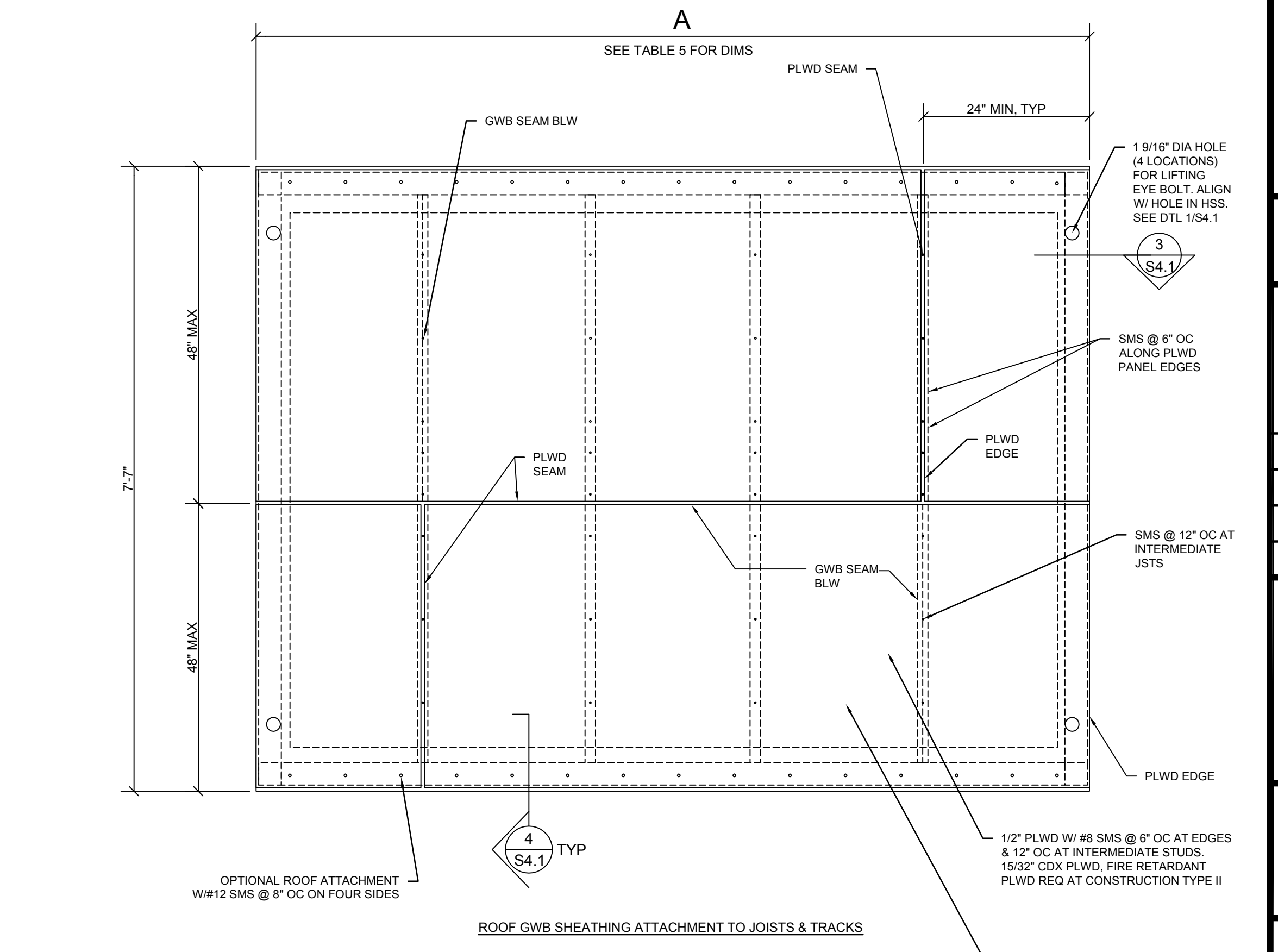
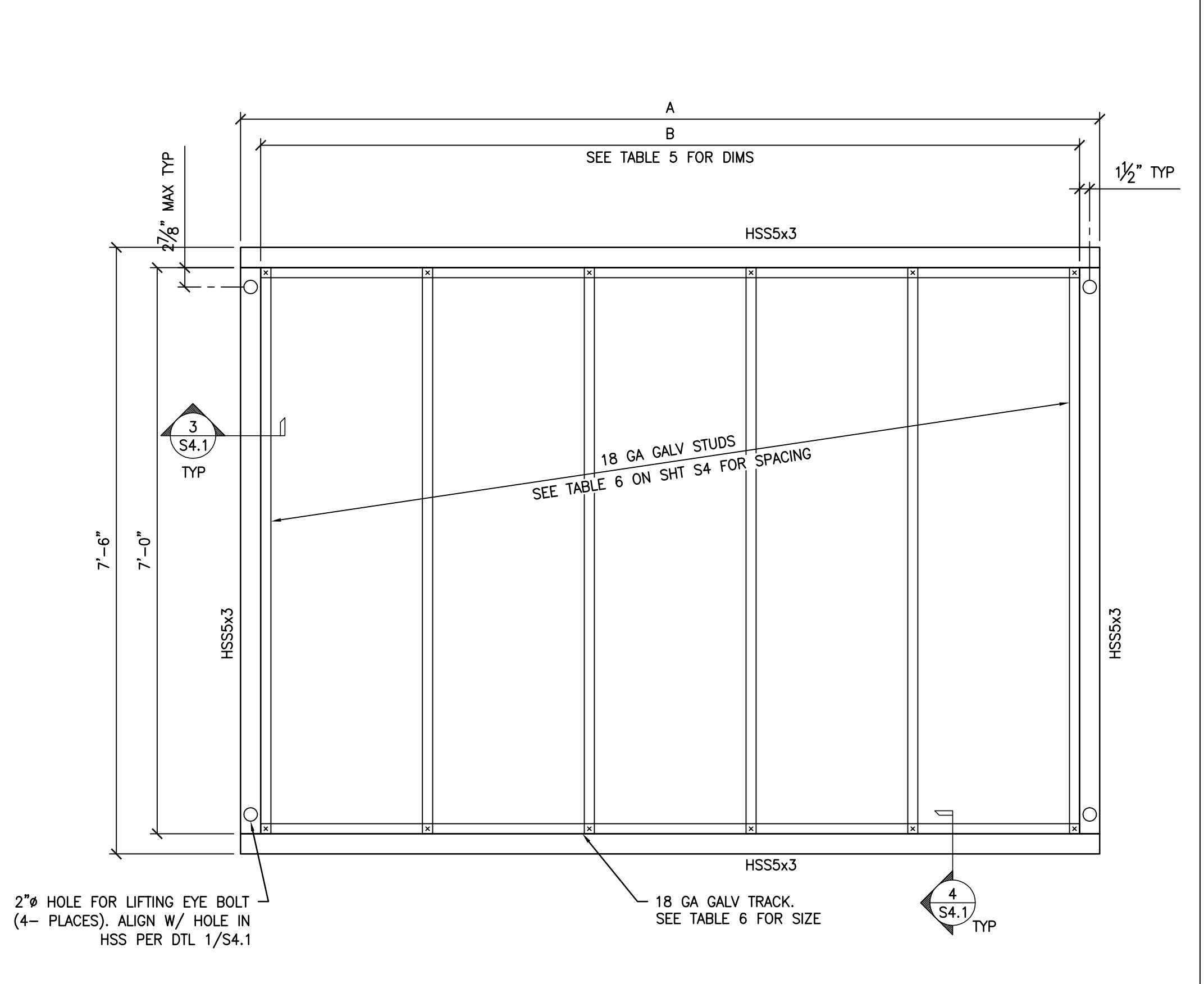
TABLE 5 - ROOF DIMENSIONS

	HW-1	HW-2	HW-3
A	8'-0"	9'-3"	9'-11"
B	7'-6 1/4"	8'-6 1/4"	9'-2 1/4"

TABLE 6 - JOIST SIZING

SELECT	ROOF LOAD (PG <=)	SPACING	TRACK	SSMA DESIGNATIONS	USE
HOISTWAY ROOF & EQUIP ROOM ROOF JOIST & TRACK SELECTOR - SPAN = 7'-0"					
<input checked="" type="checkbox"/>	20 PSF	16" OC	3 1/2	350S162-43	JOIST
	45 PSF *	16" OC	3 1/2	350S162-43	JOIST
	45 PSF *	-	3 1/2	350T150-43	RIM TRACK
EQUIP ROOM ROOF JOIST & TRACK SELECTOR - SPAN = 9'-6" MAX					
<input checked="" type="checkbox"/>	20 PSF	12" OC	3 1/2	350S162-43	JOIST
	45 PSF *	12" OC	3 1/2	350S162-54	JOIST
	45 PSF *	-	3 1/2	350T150-43	RIM TRACK
<input type="checkbox"/>	45 PSF *	-	3 1/2	350T150-54	RIM TRACK

- TABLE 6 NOTE:**
* MAX ROOF SNOW LOAD INCLUDING DRIFT LOADS
- ITEMS TO BE PROVIDED BY SITE APPLICATION ARCHITECT AND / OR ENGINEER OF RECORD**
- ATTACHMENTS OF FINISH MATERIAL BY OTHERS.
 - EMBELLISHMENTS (FOR MAIN ELEVATOR SHAFT ONLY) MUST ATTACH TO STRUC STL COLS & BMS ONLY & NOT TO LIGHT GAUGE MEMBERS. THIS RESTRICTION DOES NOT APPLY TO WALL FINISHES.
 - MAX TOTAL WT OF EXTR WALL FIN = 400 LBS PER FT, SEE "HEAVY CLADDING NOTE ON SHT S2.
 - 3 1/2" STUD WALL CONSTR OPTIONS ARE FIRE-RATED CONSTR, SEE 1/S5.3. 5/8" GWB TYPE X APPLIED TO INTR & EXTR, PARALLEL OR AT RIGHT ANGLES TO STUDS OR STUCCO ON EXTR & 5/8" GWB APPLIED TO INTR. ALL GWB ATTACHED W/ 1" TYPE S DRYWALL SCREWS 8" OC ON VERT EDGES & 12" OC ON INTERMEDIATE STUDS PER UL DESIGN NO. 419 OR U434.
 - FIRE-RATED CONSTR MAY NOT BE REQ WHEN THE ELEVATOR SHAFT DOES NOT PENETRATE FLRS, WHERE THE OPNGS DO NOT ENTER DIRECTLY INTO ANOTHER STRUCTURE & WHEN THE SHAFT IS LOCATED FURTHER THAN 10'-0" FROM A PROPERTY LINE, PER CBC 712.1.
 - EXTR FIN & FLASHING DTLS TO BE SPECIFIED BY PROJECT ARCH AND ARE BY OTHERS. HORIZ REVEAL / JT SHALL BE PROVIDED AT LOCATION OF HORIZ HSS IN EXTR FIN.
 - APPROVAL FOR SPECIFIC EMBELLISHMENT CONFIGURATION MUST BE OBTAINED ON SITE SPECIFIC APPLICATION.
 - CALCULATIONS ASSUME A MAX OF 20 PSF TOTAL WALL WT, INCLUDING CLADDING. EMBELLISHMENT WTS ARE IN ADDITION TO THE WALL WT.
 - MODULAR EQUIP ROOM ROOF EMBELLISHMENT TO MEET SAME DIMENSION RESTRICTIONS AS ELEVATOR SHAFT ROOF EMBELLISHMENT EXCEPT MAX HT IS 4'-0" & MAX WT IS 600 LBS. CONSTR & ATTACHMENT OF EMBELLISHMENT TO MACHINE ROOM IS NOT PART OF THIS PROJECT & IT IS SUBJECT TO THE LIMITATIONS SHOWN ON THIS NOTE 12.
 - MAX FLR EMBELLISHMENT PROJECTION IS 3'-0" FROM FACE OF HOISTWAY WALL.
 - 2-HOUR FIRE-RATED WALL ASSEMBLY WILL CONSIST OF 2 LAYERS OF 5/8" THK TYPE X FIRE-RATED GWB INSIDE & OUTSIDE OF TOWER UTILIZING 3 1/2" STUDS. ASSEMBLY IS BASED UPON U.L. DESIGN NO. U419.
 - SECONDARY FRMG SHALL BE PROVIDED TO SUPPORT EMBELLISHMENT. ATTACHMENT OF SECONDARY FRMG TO HORIZ HSS OR MTL STUD IS NOT PERMITTED. THIS WORK IS NOT PART OF THIS APPLICATION.



1
S4
HOISTWAY ROOF SHEATHING PLAN
SEE TABLE 5 FOR DIMENSIONS
NTS

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No. 1418
Structural Engineer
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DATE: 10/19/2018

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DRAWN BY: MTC

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. 03-118291
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DATE 11/3/2018
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CODE: 2016
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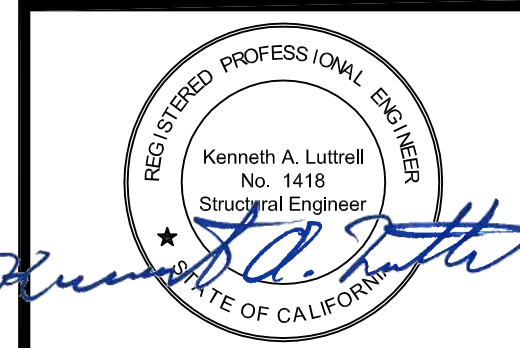
HOISTWAY ROOF PLAN

SHEET NO:

S4

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 ACMP FLS EB SS MC/MP
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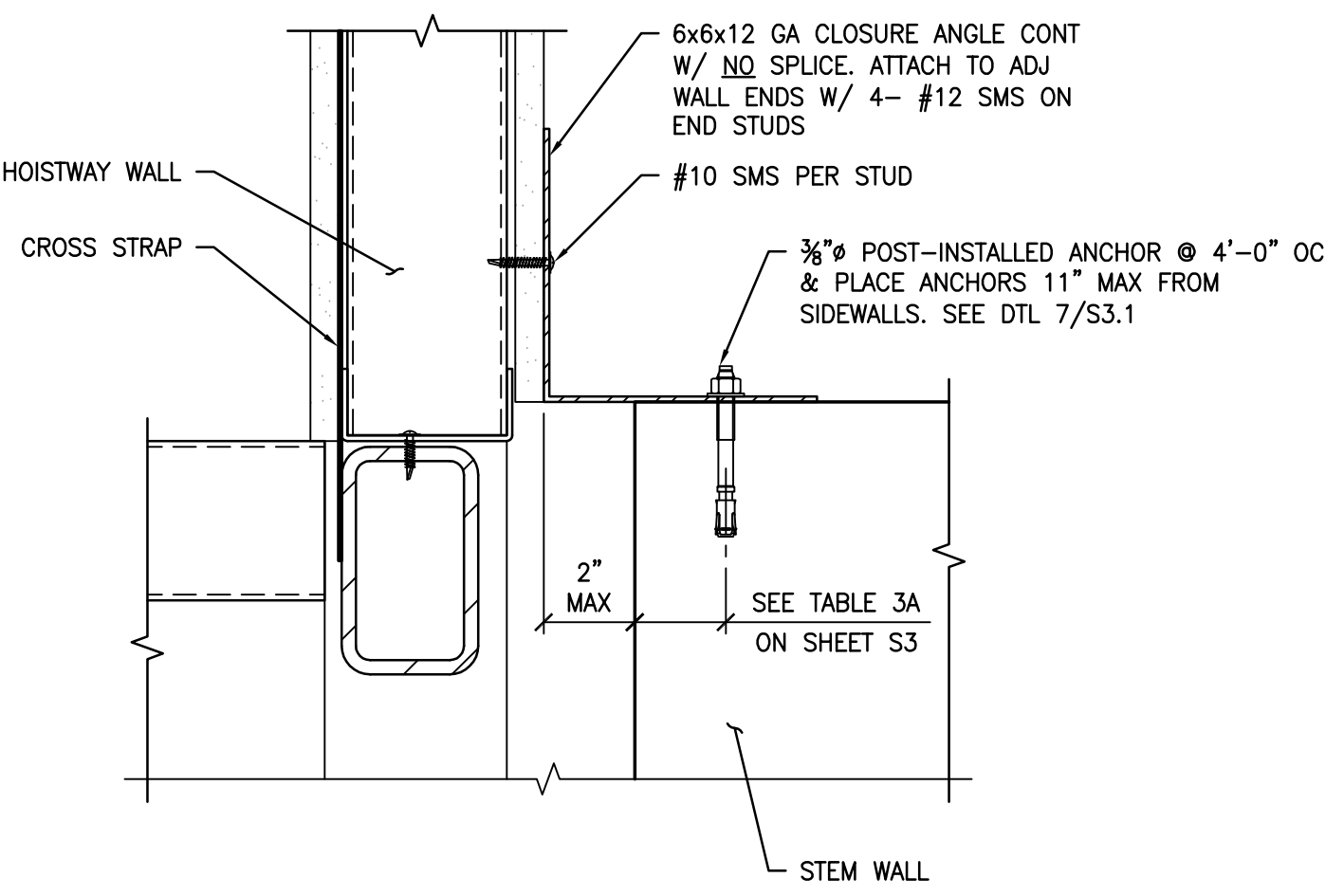
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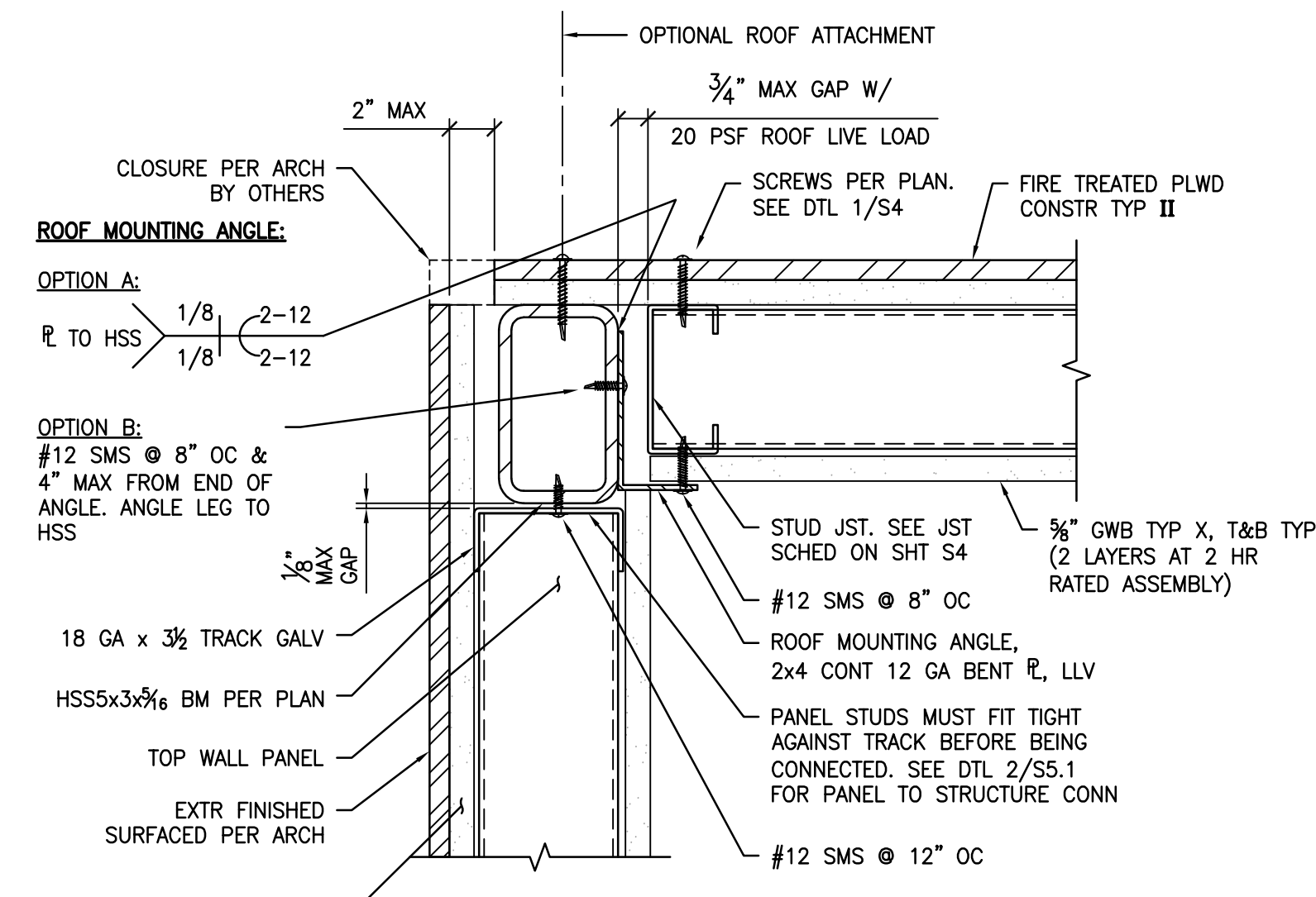
HOISTWAY & ROOF DETAILS

SHEET NO:

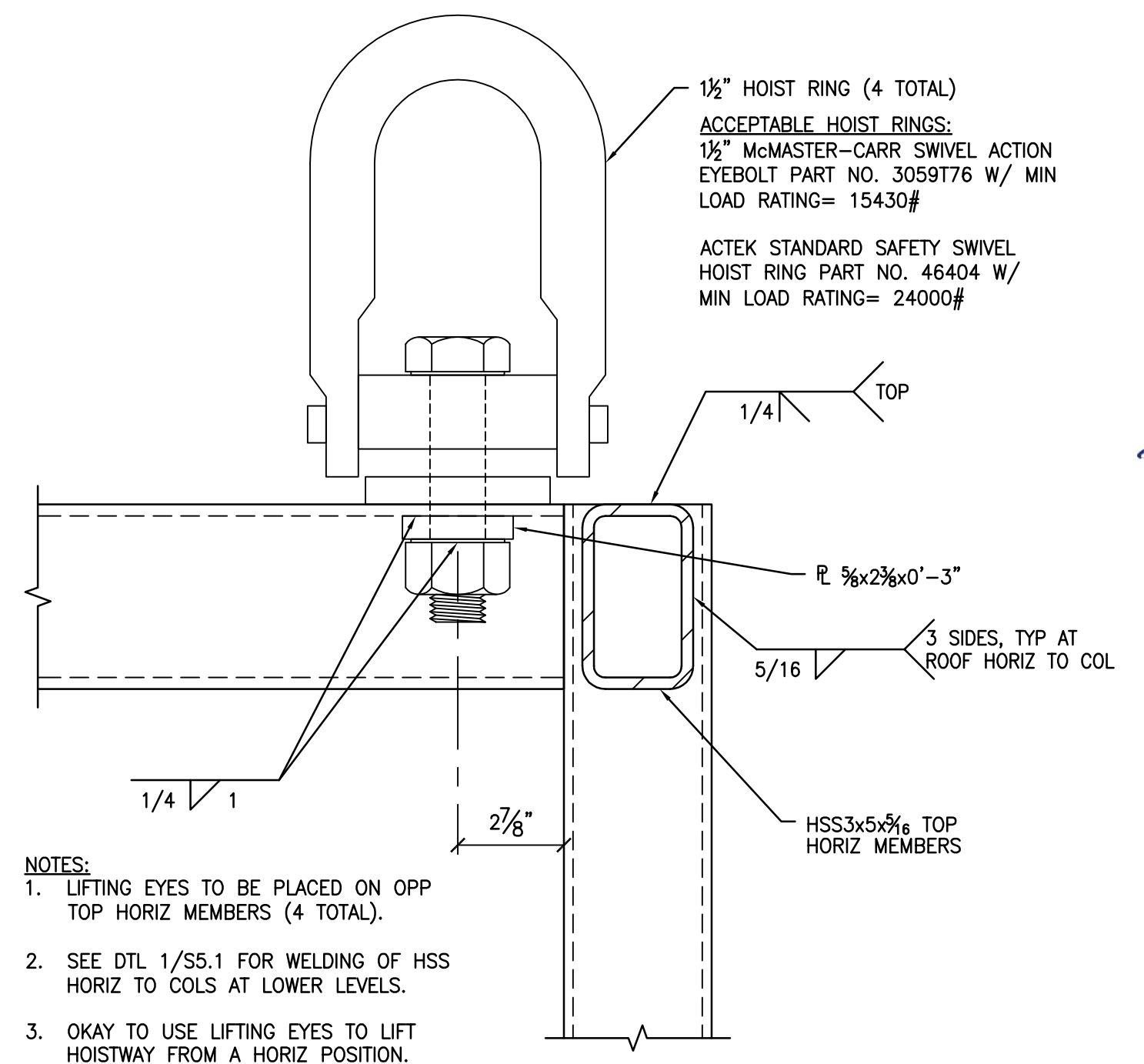
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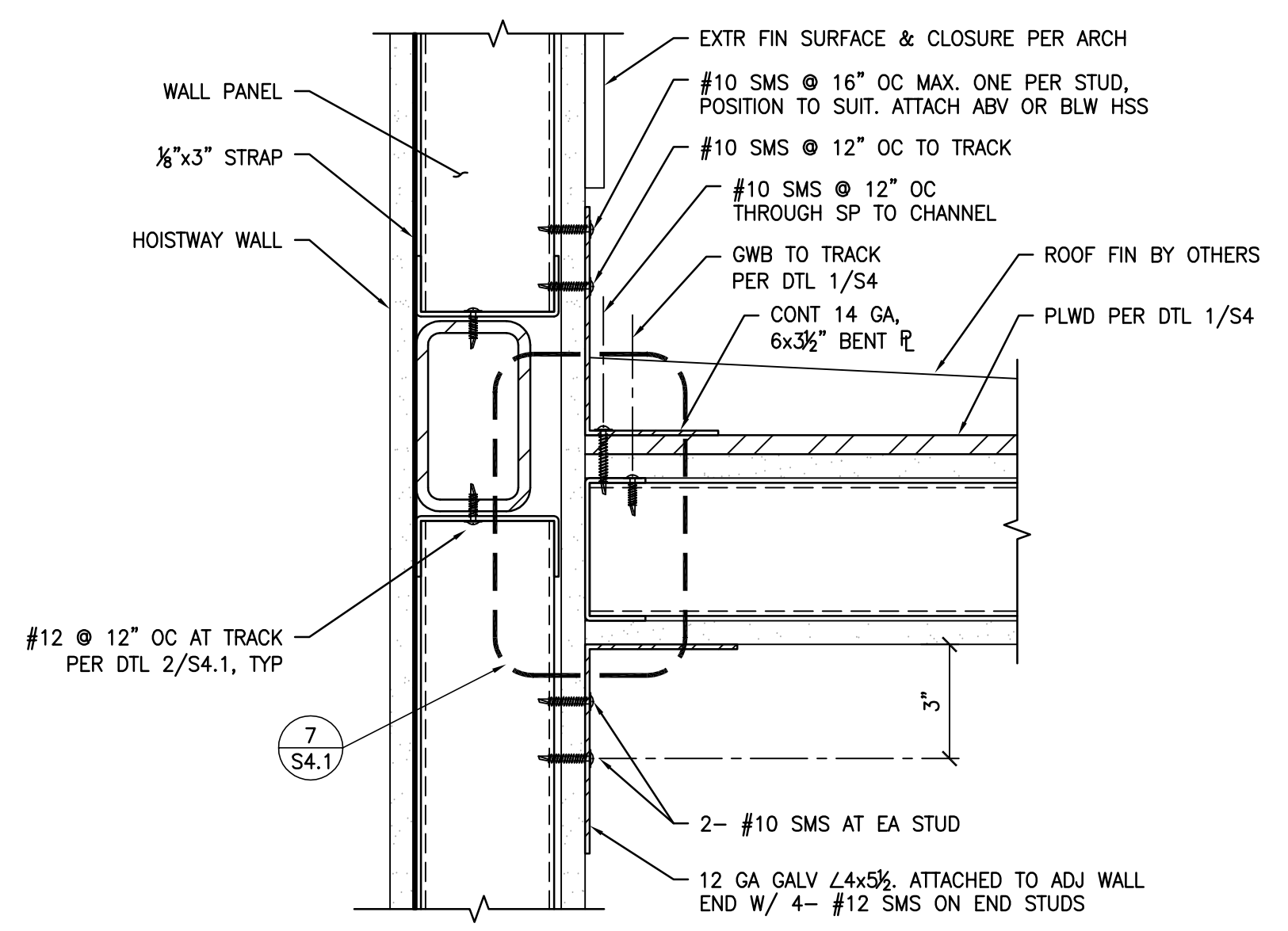
5
 S4.1 3" = 1'-0"



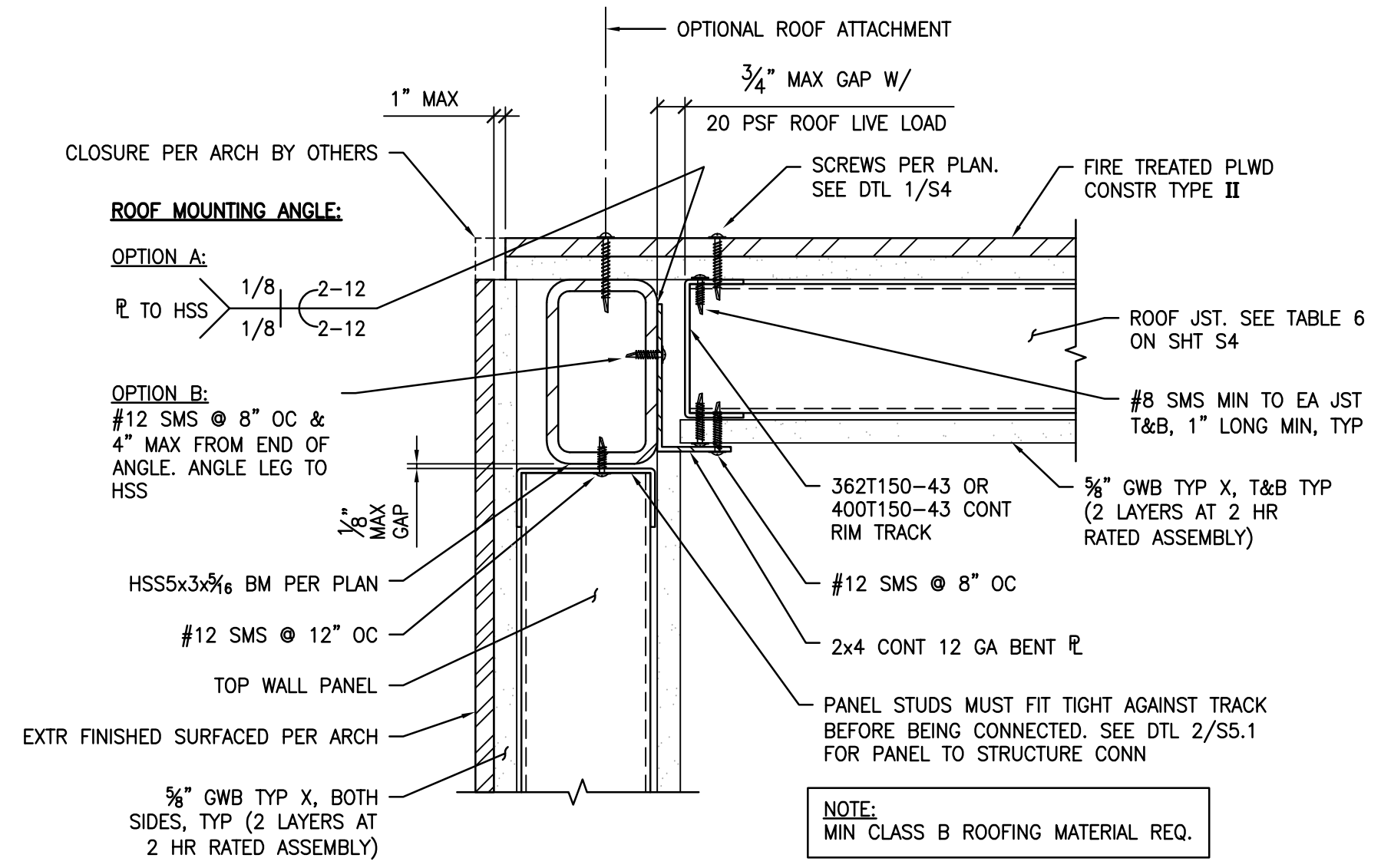
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 S4.1 3" = 1'-0"



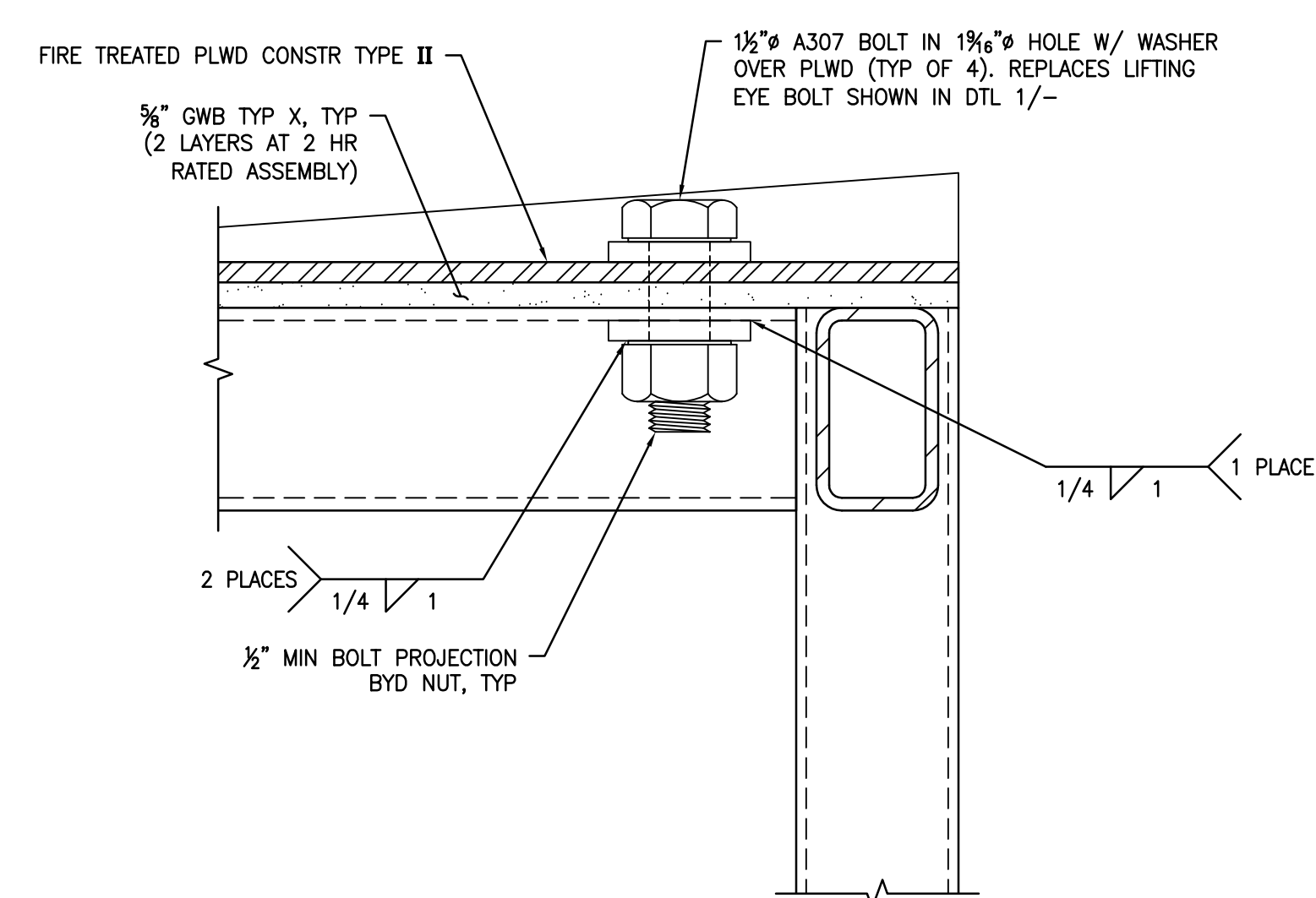
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 S4.1 3" = 1'-0"



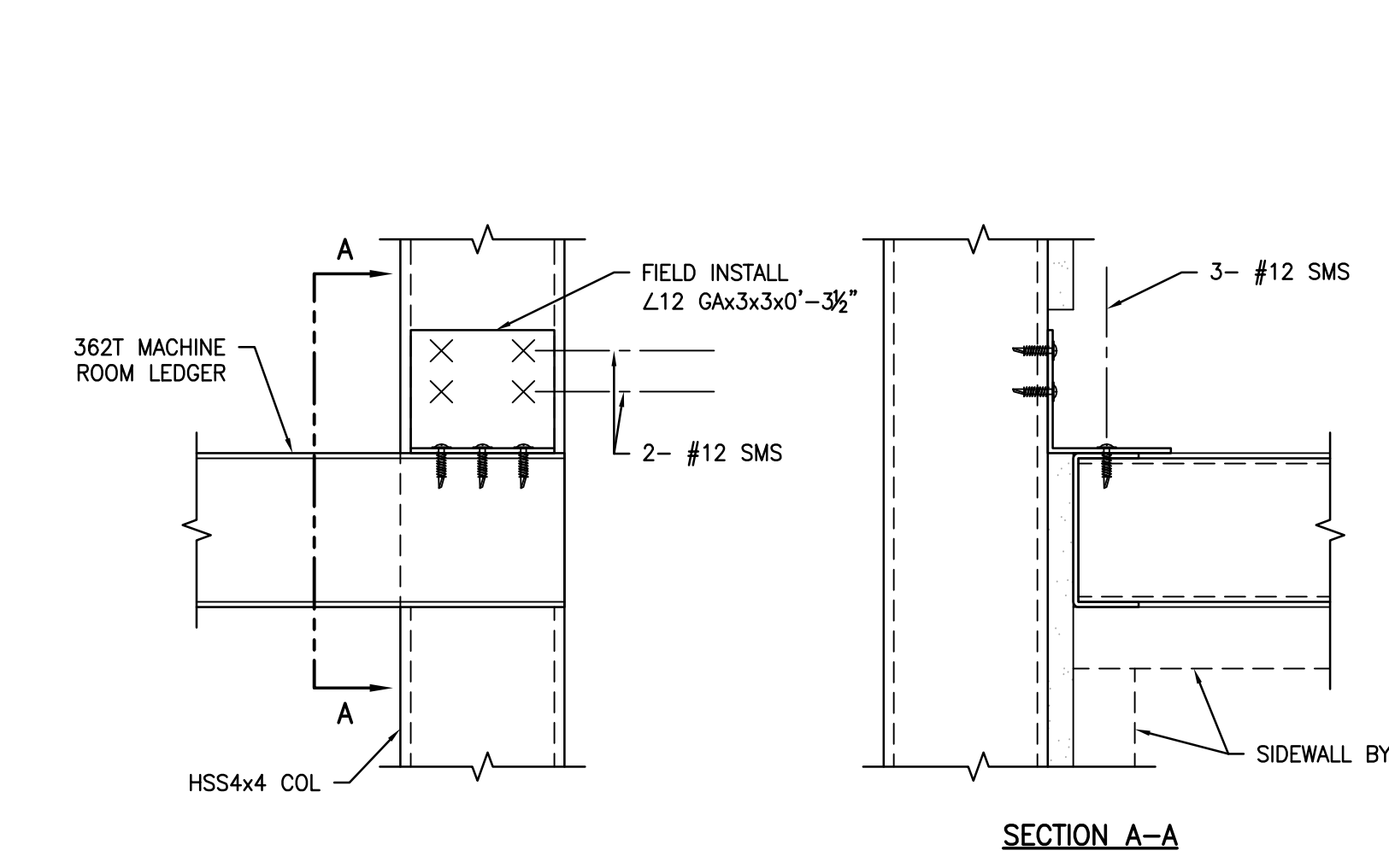
6
 S4.1 3" = 1'-0"



4
 S4.1 3" = 1'-0"



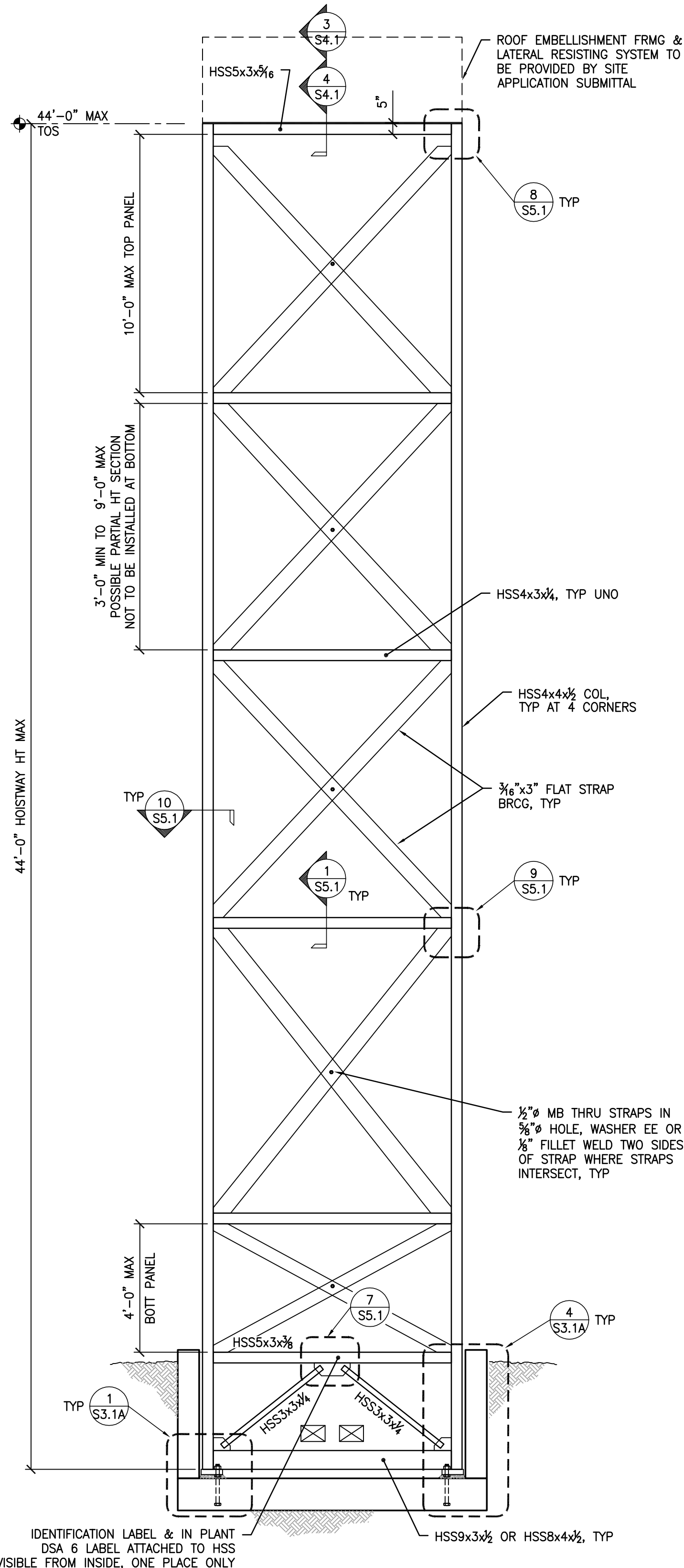
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 S4.1 3" = 1'-0"



7
 S4.1 3" = 1'-0"

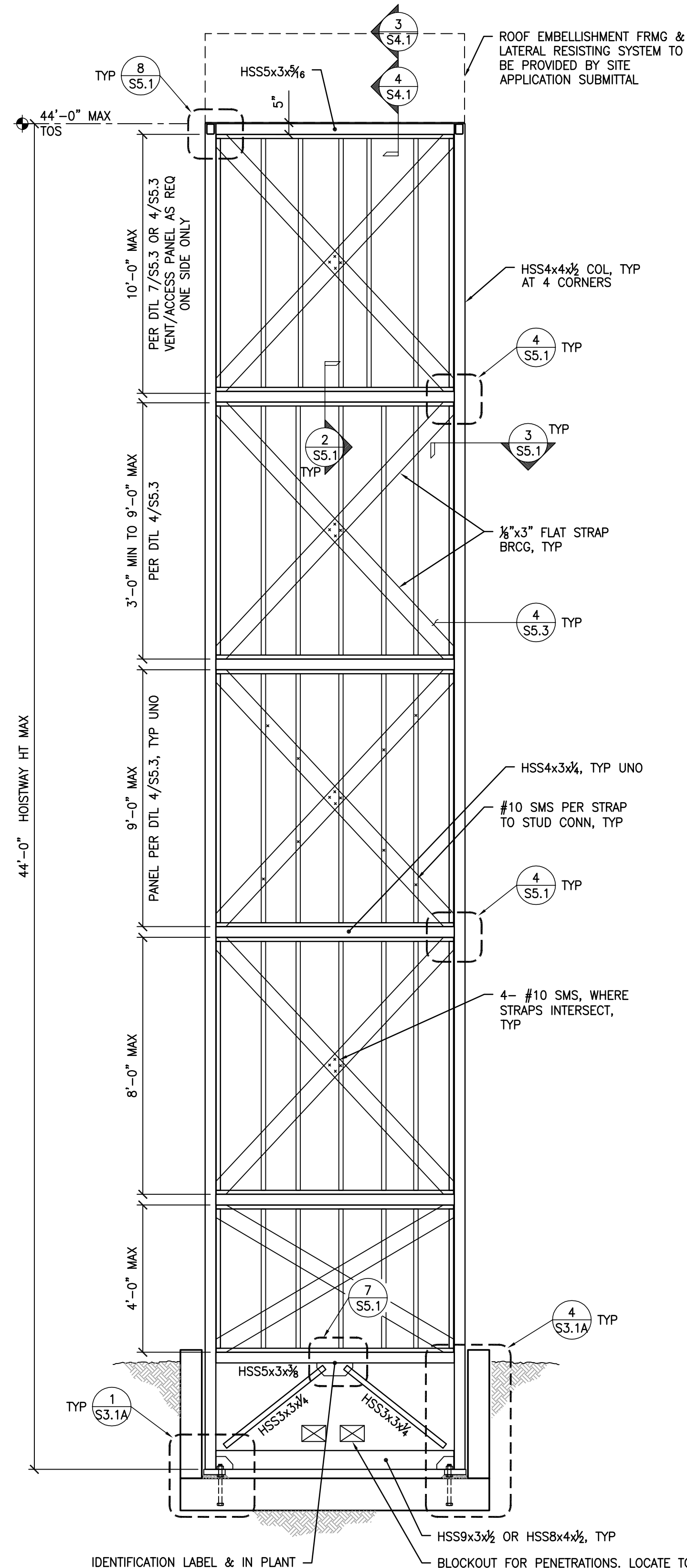
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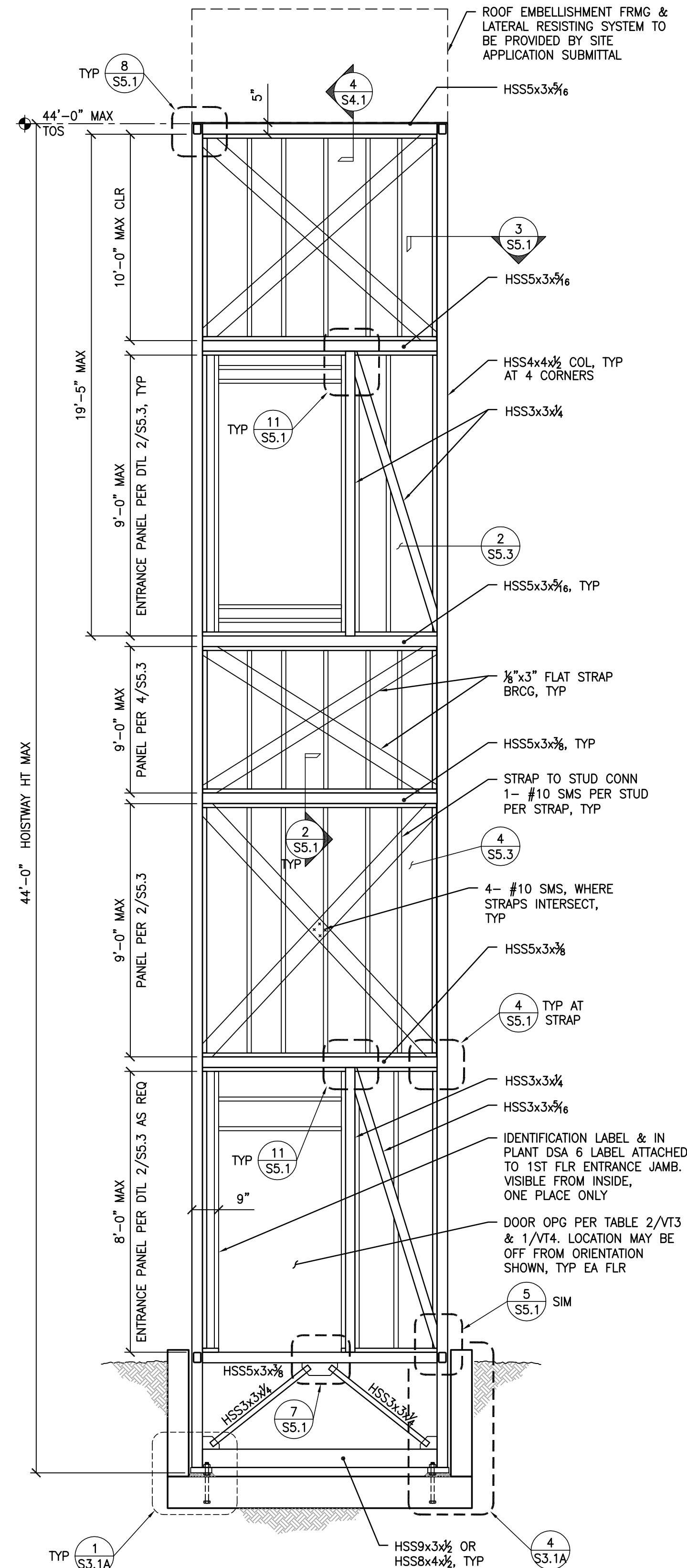
- NOTES:**
1. CLASS WALL TO BE PROVIDED & INSTALLED BY OTHERS. SEE NOTES ON SHT S4.
 2. WALL CONFIGURATION CAN BE UTILIZED ON ANY NON-ENTRANCE SIDE OF HOISTWAY.
 3. PANEL ARRANGEMENT TO SUIT HOISTWAY HT & FLR LEVELS.
 4. FOR MAX DISPLACEMENT, SEE SCHED 3/S5A.
 5. FOR RATED HOISTWAY WALLS, SEE ELEV 6/S5A.
 6. ELEV OF HORIZ HSS ON ALL SIDES EXCEPT FACE A, THE FRONT ENTRANCE SIDE, SHALL BE THE SAME.

7
S5A NTS
HOISTWAY WALL - NON-RATED WALL
ELEVATION
MAX 44'-0" TOWER HT FOR 26'-0" TRAVEL



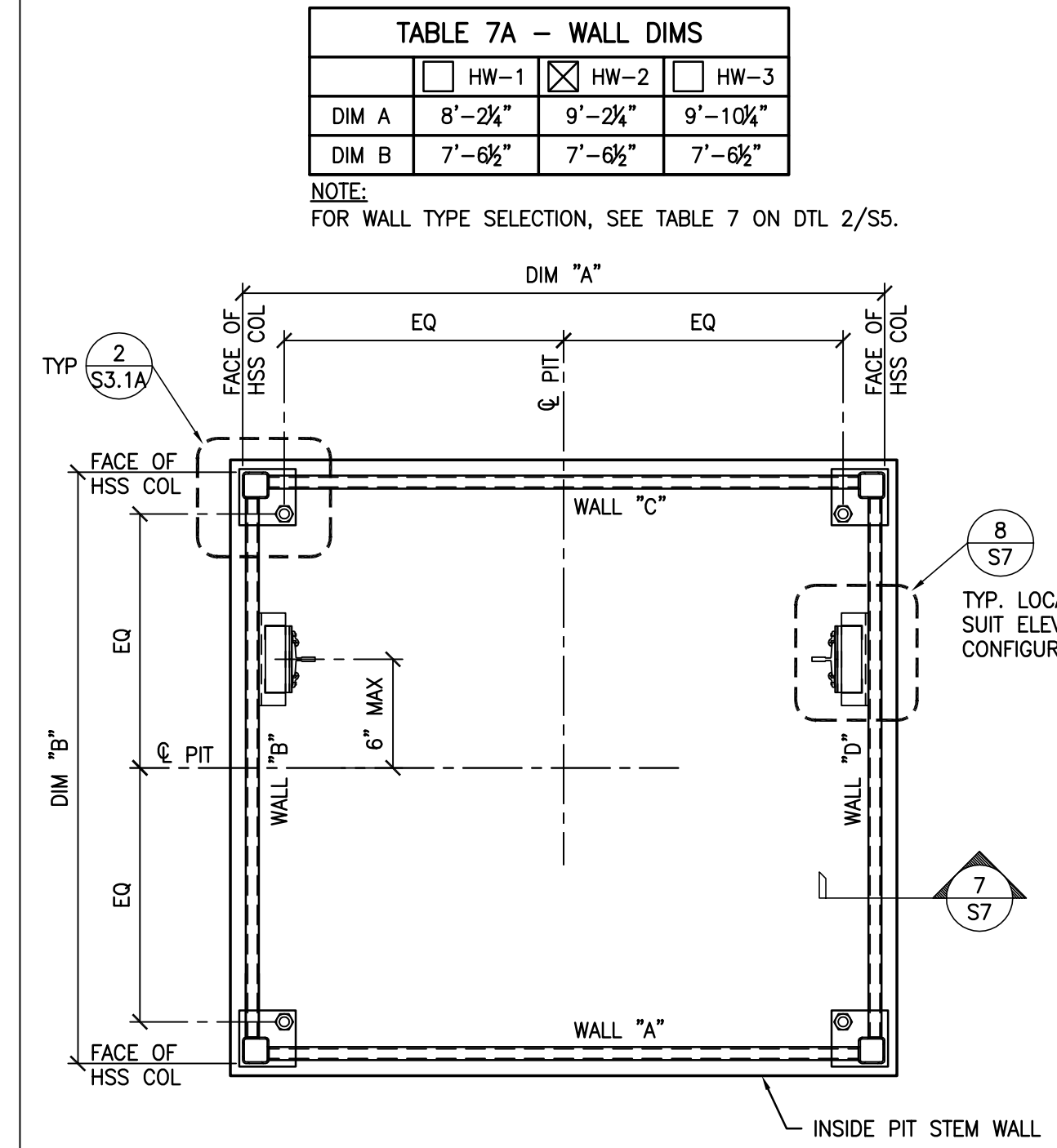
- NOTES:**
1. WALL CONFIGURATION CAN BE UTILIZED ON ANY NON-ENTRANCE SIDE OF HOISTWAY.
 2. FOR NON-RATED OR GLASS WALL CONDITION SEE ELEV 7/S5A.
 3. ELEV OF HORIZ HSS ON ALL SIDES EXCEPT FACE A, THE FRONT ENTRANCE SIDE, SHALL BE THE SAME.

6
S5A NTS
HOISTWAY WALL - RATED
SIDE WALLS
ELEVATION
MAX 44'-0" TOWER HT FOR 26'-0" TRAVEL



- NOTE:**
PANEL ARRANGEMENT TO SUIT HOISTWAY HT & FLR LEVELS.

5
S5A NTS
HOISTWAY WALL W/ ENTRANCE
END WALL ONLY
ELEVATION
MAX 44'-0" TOWER HT FOR 26'-0" TRAVEL



1
S5A
HOISTWAY PLAN
1/2" = 1'-0"

WALL	ENTRANCE 5/S5	TYP 6/S5	NON-RATED 7/S5
A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
C	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
D	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- NOTES:**
1. SELECT ONLY ONE (1) WALL TYPE PER SIDE. ENTRANCE WALLS MAY NOT BE ADJ.
 2. ARCH TO FILL OPEN BOXES AS APPLICABLE.
 3. DTL 5/S5A DOES NOT APPLY AT FACES B, C OR D.

2
S5A NTS
WALL SELECTOR

STORY	WIND	SEISMIC δ_x
ROOF	0.4"	4.1"

NOTE:
ELEVATOR TOWER SHALL BE SEPARATED FROM ADJ STRUCTURE SUCH THAT THE DISTANCE IS EQ TO THE SQ ROOT OF THE SUM OF THE SQUARES OF δ_x FOR BOTH STRUCTURES PER SECTION 12.8.6.

3
S5A NTS
DISPLACEMENT
SCHEDULE

- HOISTWAY NOTES:**
1. STUDS ARE NOT REQ WITHIN THE PIT.
 2. EXCEPT FOR ENTRANCE PANEL, IF THE CLR DIM BTW HORIZ HSS MEMBERS IS REQ TO BE > 9'-0", THEN AN ADDNL HORIZ MEMBER IS REQ MIDWAY BTW THE HSS MEMBERS SHOWN IN THE ELEV, W/ FLAT STRAP BRGC IN EA BAY.
 3. FOR ENTRANCE PANEL ONLY, IF THE CLR DIM BTW HORIZ HSS MEMBERS FOR PANELS ABV THE THRESHOLD OF THE 2ND OPG IS REQ TO BE > 9'-0", THEN AN ADDNL HORIZ MEMBER IS REQ BTW THE HSS MEMBERS SHOWN IN THE ELEV, W/ FLAT STRAP BRGC IN EA BAY, & A VERT HSS MEMBER IS REQ NEXT TO THE DOORWAY. MAX PANEL HT FOR PANELS ABV THE 2ND LEVEL SHALL BE 10'-0".
 4. VENTING OF HOISTWAY AS PER 2016 CBC SECTION 3004 SHAFTS HOUSING ELEVATORS EXTENDING THRU MORE THAN TWO FLR LEVELS SHALL BE VENTED TO THE OUTSIDE. THE AREA OF THE VENT SHALL NOT BE LESS THAN 3.5% OF THE AREA OF THE ELEVATOR SHAFT, PROVIDED A MIN OF 3 SQ FT PER ELEVATOR IS PROVIDED (BY OTHERS).
 5. IF LANDING BRIDGE OR LANDING AWNING IS REQ, SEE SHT S5.2.
 6. COLS TO BE CONT FOR FULL HT. NO SPLICES ALLOWED.
 7. ELEVATORS SERVE TWO STORIES OR LESS, SHAFT CONSTR NOT REQ IF COMPLIANT W/ CBC 712.1, OTHERWISE, SHAFT CONSTRUCTION PROVIDED PER 713.4.

4
S5A NTS
HOISTWAY
NOTES

	HW-1	HW-2	HW-3
DIM A	8'-2 1/4"	9'-2 1/4"	9'-10 1/4"
DIM B	7'-6 1/2"	7'-6 1/2"	7'-6 1/2"

NOTE:
FOR WALL TYPE SELECTION, SEE TABLE 7 ON DTL 2/S5.

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S.E. PC APPROVAL

REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 1418
Structural Engineer
STATE OF CALIFORNIA

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800-755-9359

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PROJECT NO: 16093
DATE: 10/19/2018

ENGINEERED BY: KAL
DRAWN BY: MTC

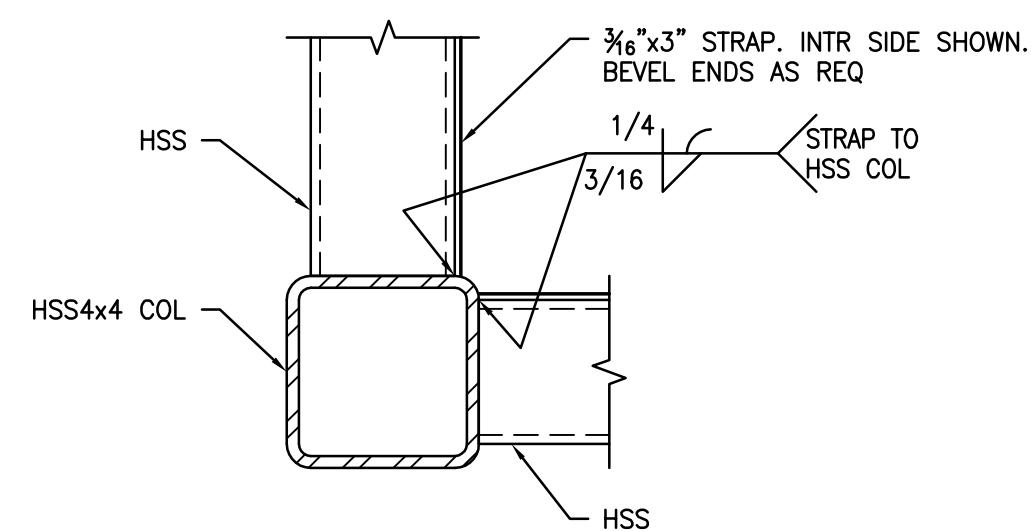
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SHEET NAME:
**HOISTWAY PLAN &
SECTIONS**
MAX 44'-0" TOWER HT

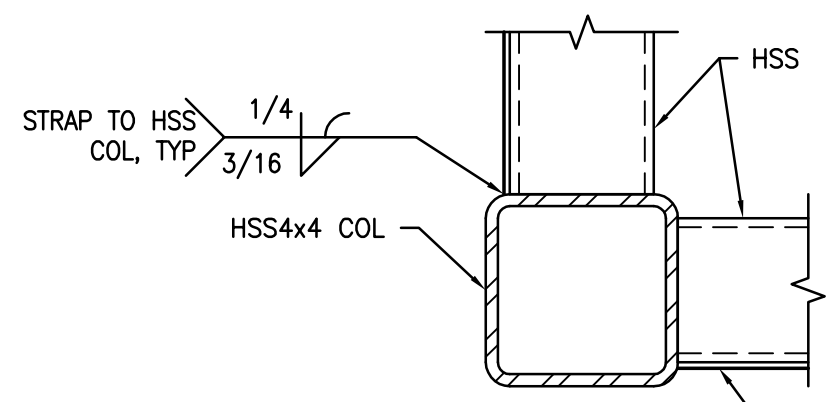
SHEET NO:

S5A-1

STRAP POSITION SELECTOR		
NON-RATED WALL ONLY		
<input checked="" type="checkbox"/> INTERIOR	<input checked="" type="checkbox"/> SIDE WALL	<input checked="" type="checkbox"/> END WALL
<input type="checkbox"/> EXTERIOR	<input type="checkbox"/> SIDE WALL	<input type="checkbox"/> END WALL



PLAN VIEW
INTR STRAP CONFIGURATION



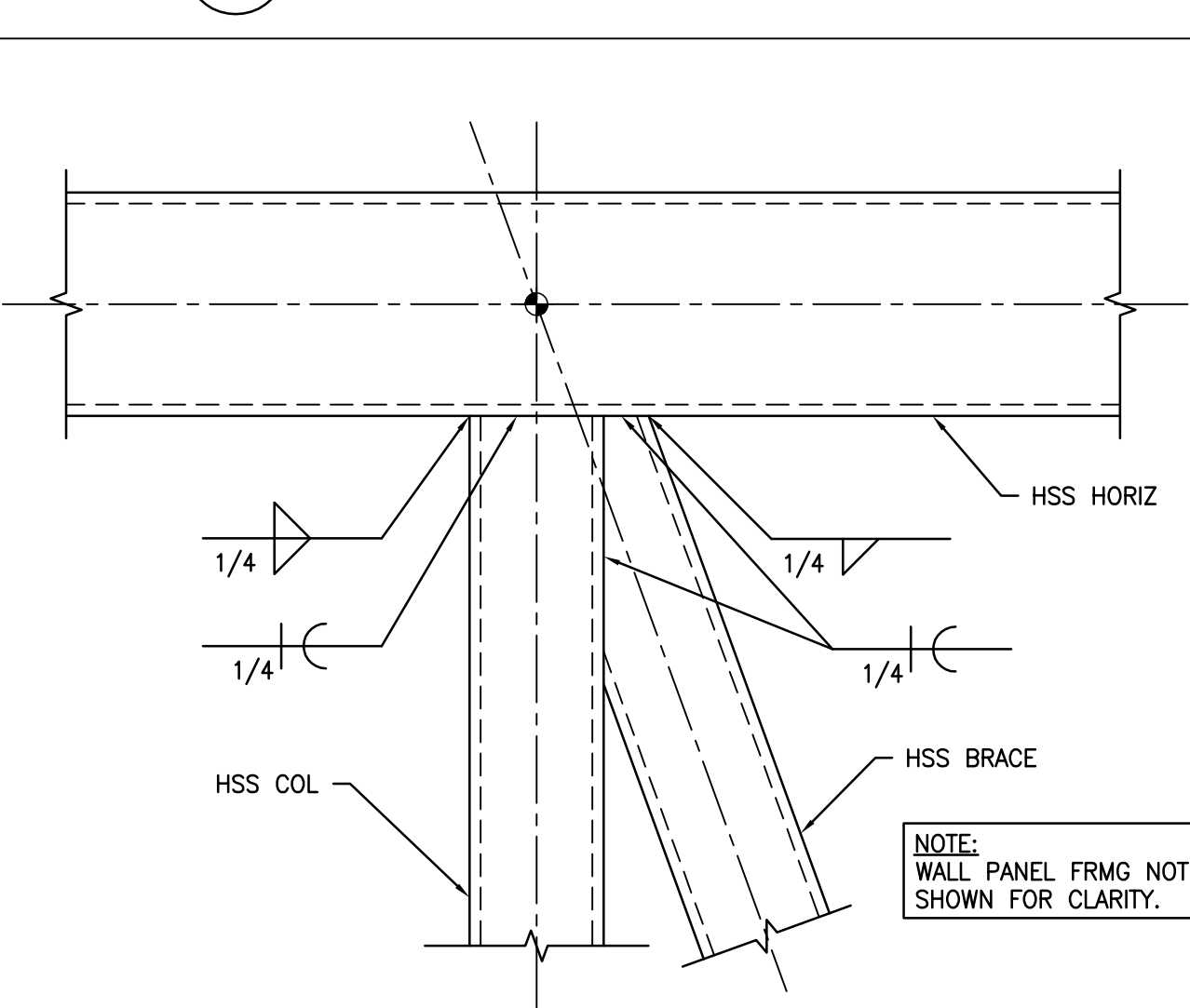
PLAN VIEW
EXTR STRAP CONFIGURATION
(OPTIONAL)

NOTE:
FOR HSS TO COL CONN,
SEE DTL 1/S5.1

NOTE:
3/16"x3" STRAP, OPTIONAL
EXTR SIDE SHOWN. BEVEL
ENDS AS REQ.

COL AT NON-RATED WALL
DETAIL

10
S5.1



NOTE:
WALL PANEL FRMG NOT
SHOWN FOR CLARITY.

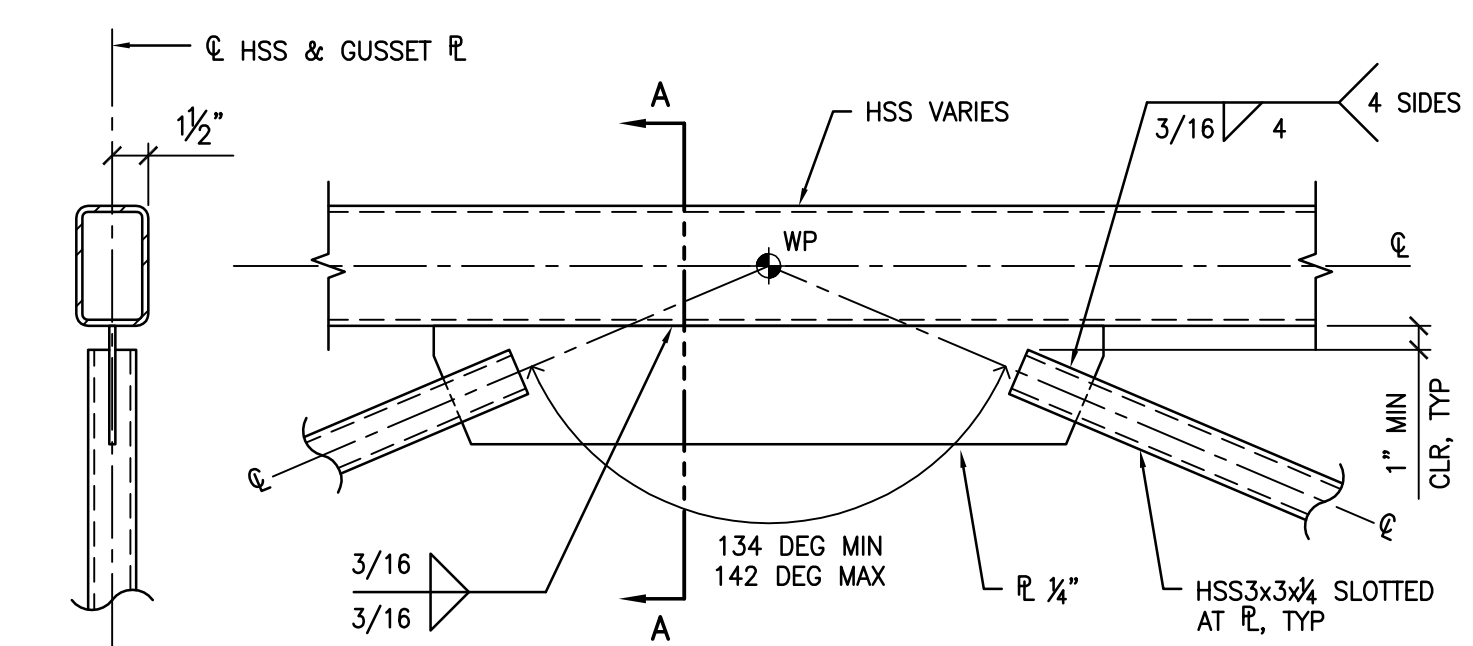
DOOR PANEL BRACE CONN
DETAIL

11
S5.1

NOT USED

DETAIL

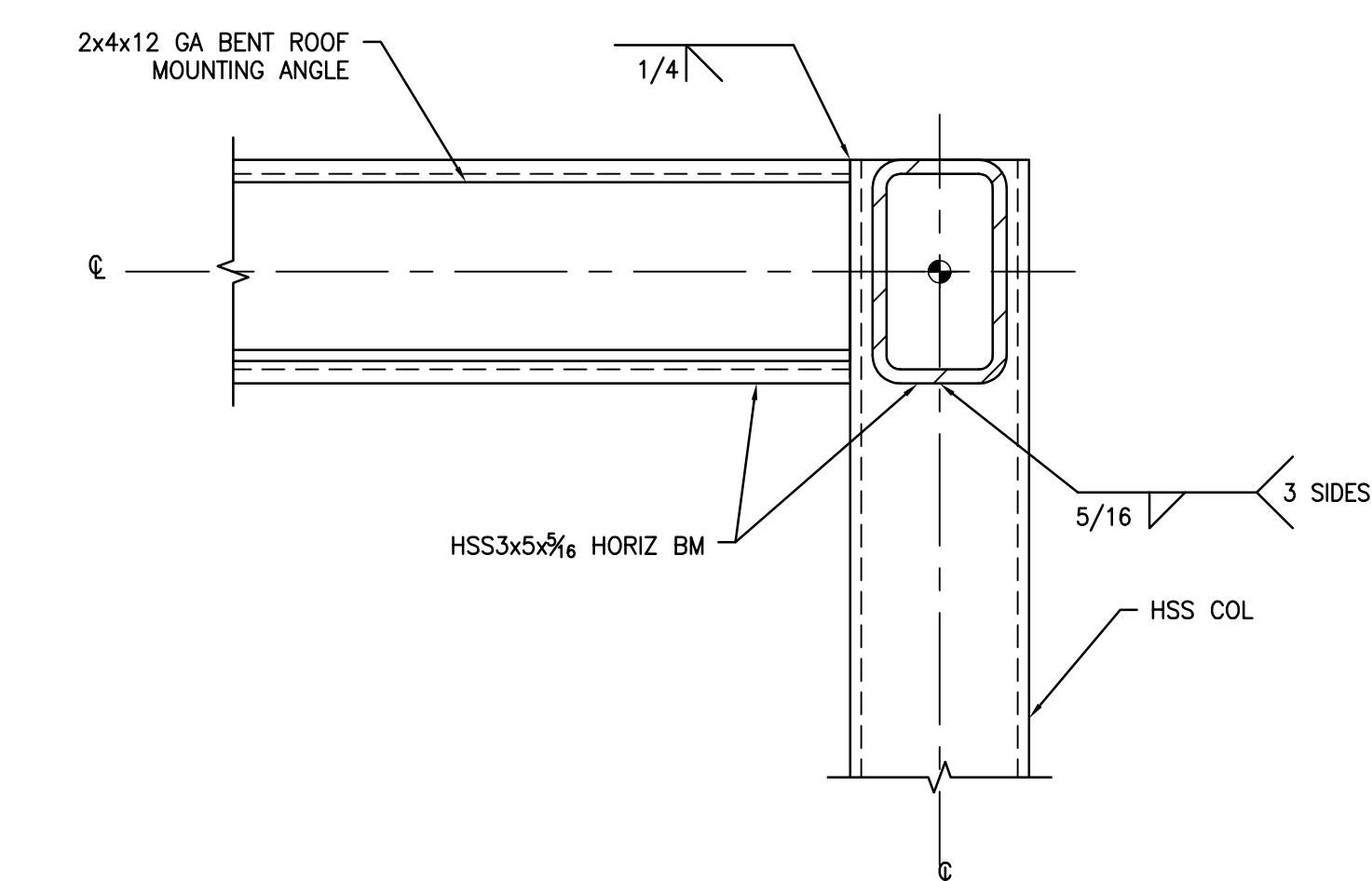
12
S5.1



SECTION A-A

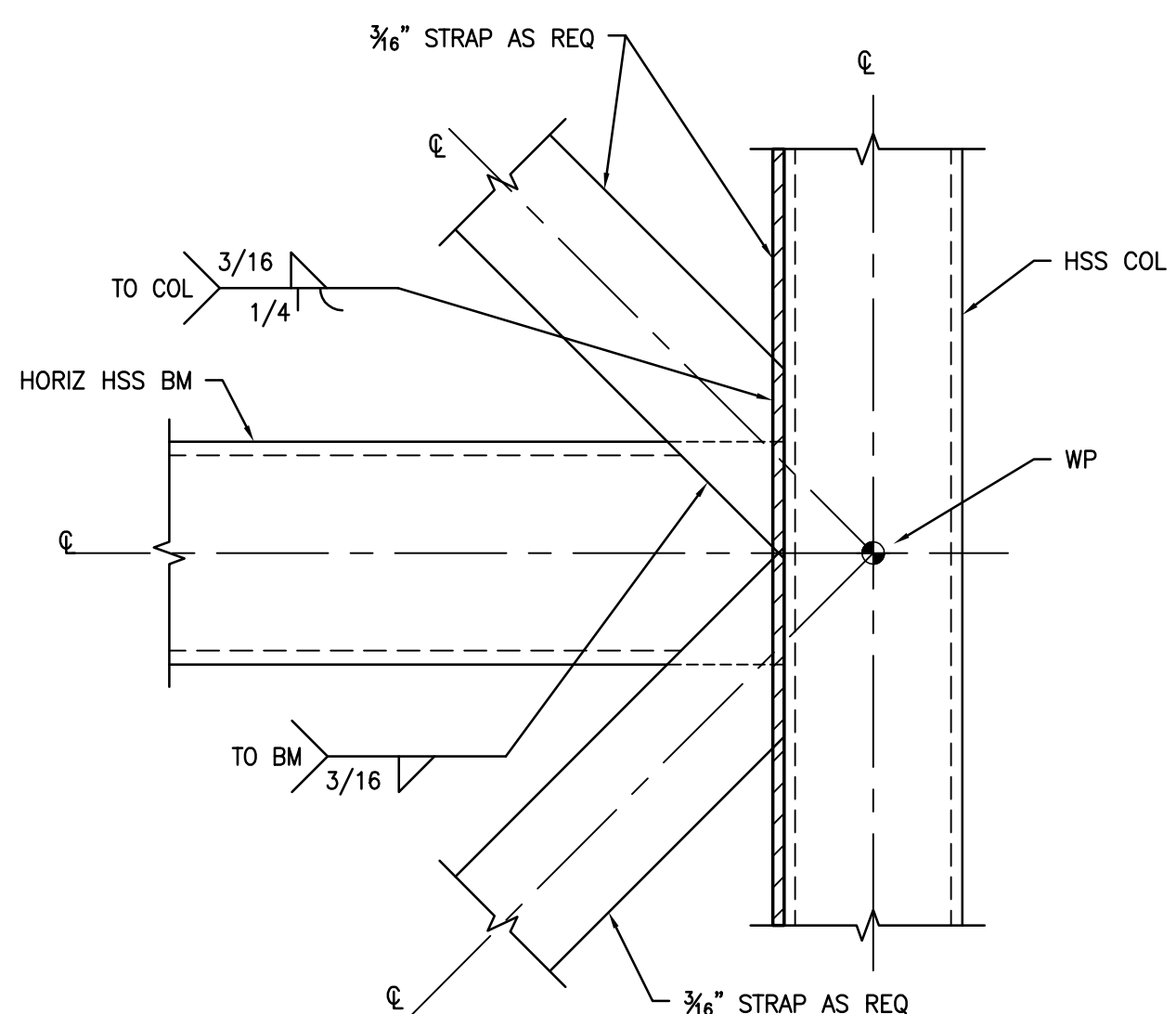
DIAG BRACES
DETAIL

7
S5.1



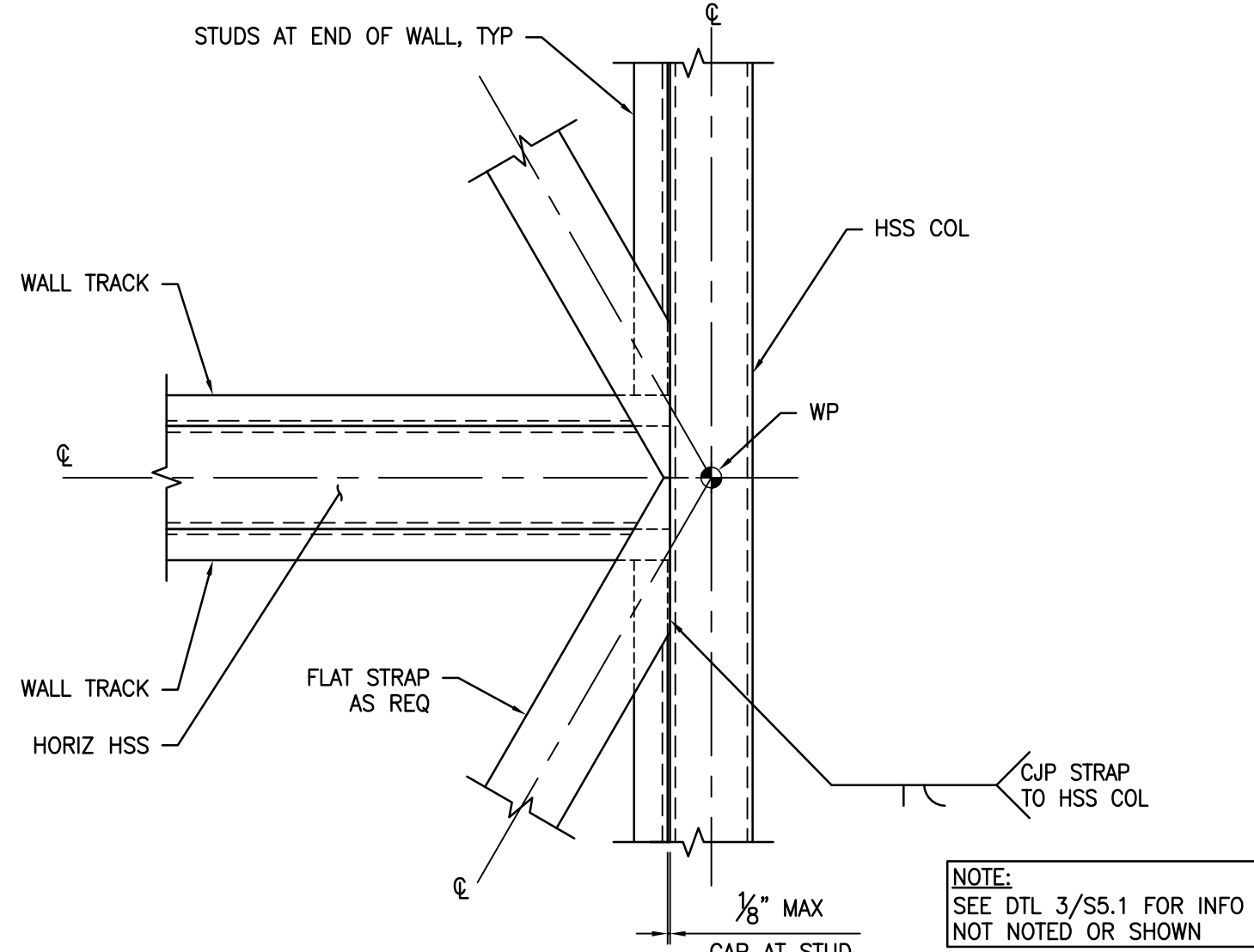
TOP CORNER
DETAIL

8
S5.1



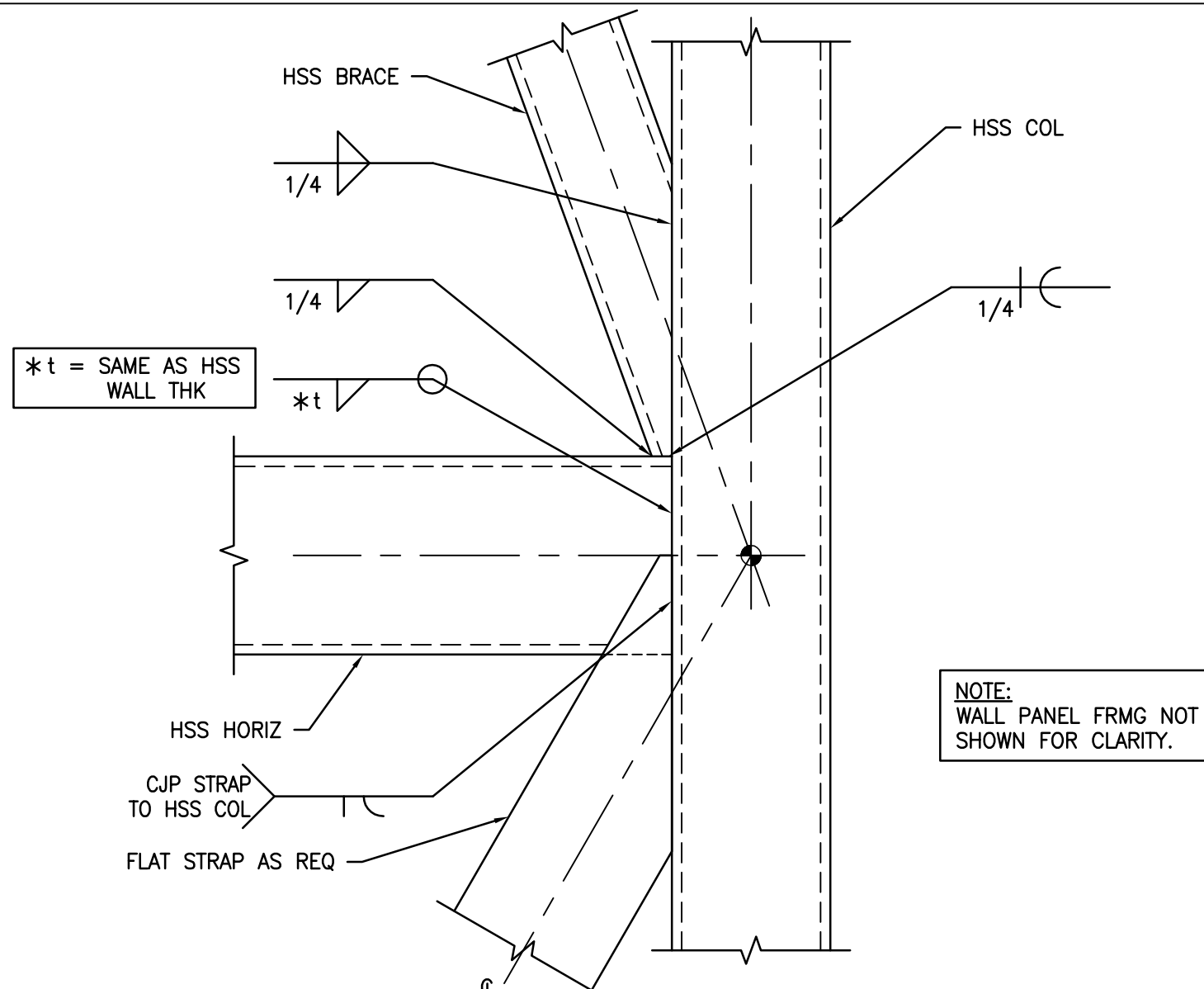
DIAG BRACE CONN
NON RATED WALL
DETAIL

9
S5.1



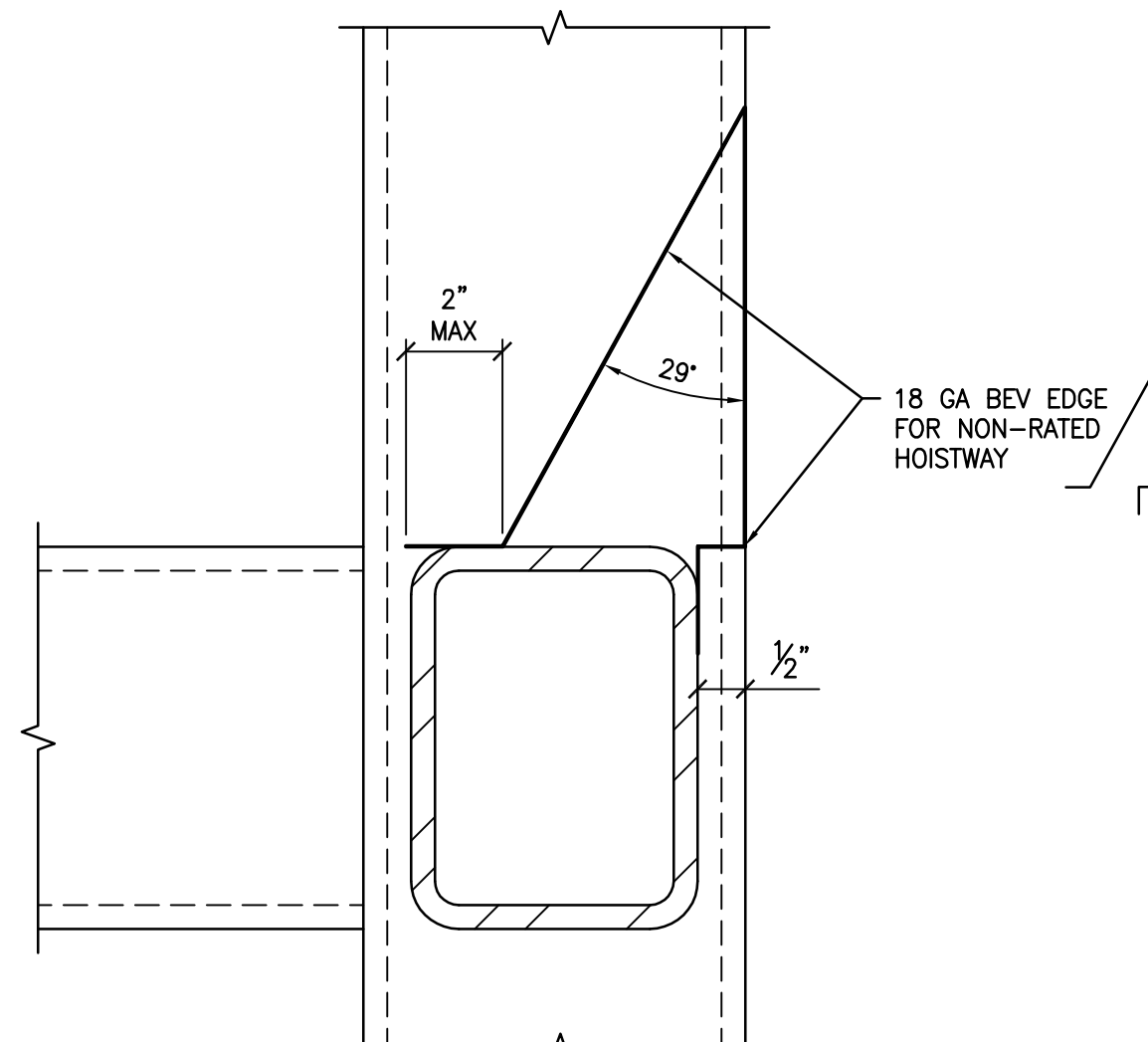
BRACE TO STL FRAME
DETAIL

4
S5.1



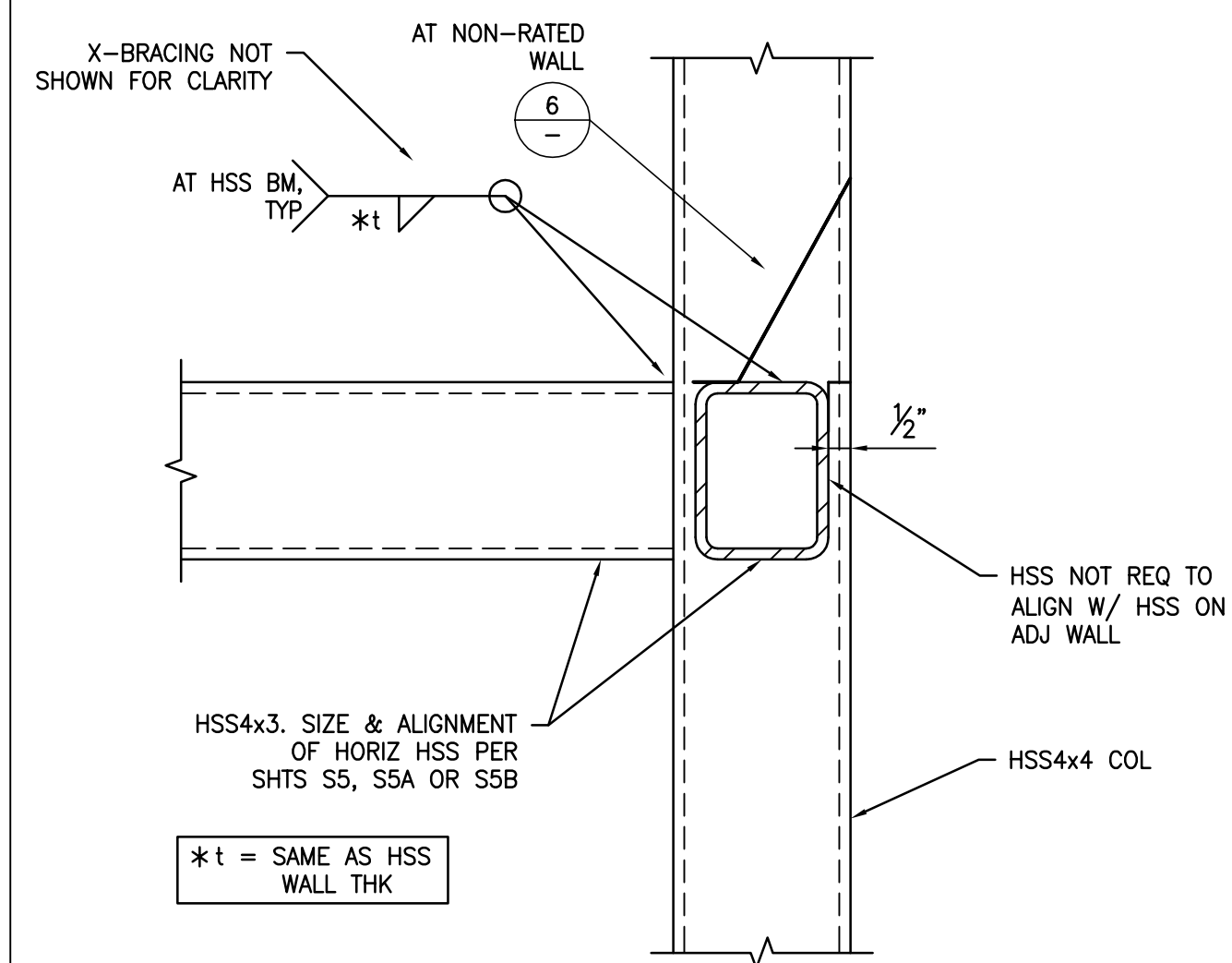
DOOR PANEL BRACE CONN
DETAIL

5
S5.1



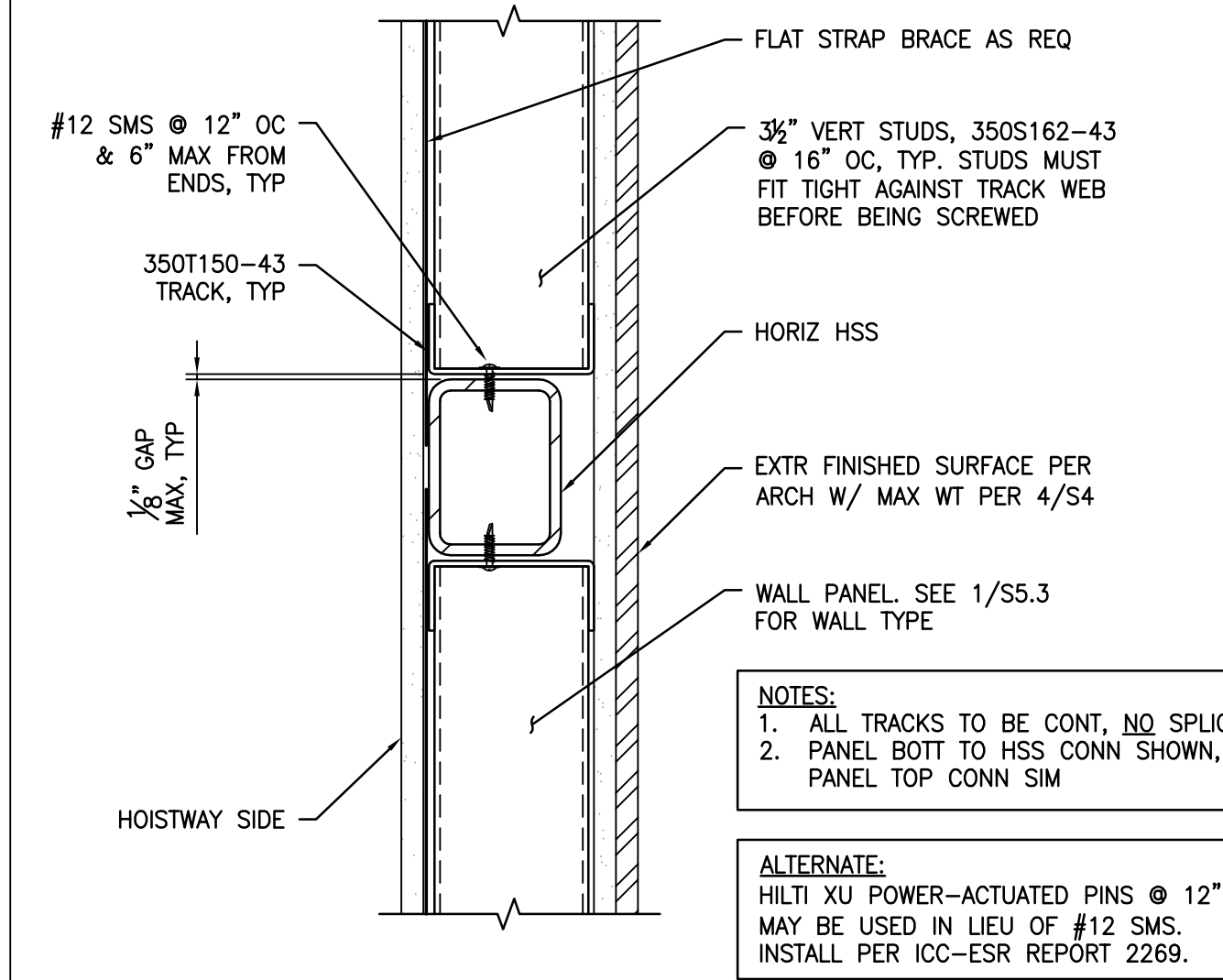
NON-RATED WALL
DETAIL

6
S5.1



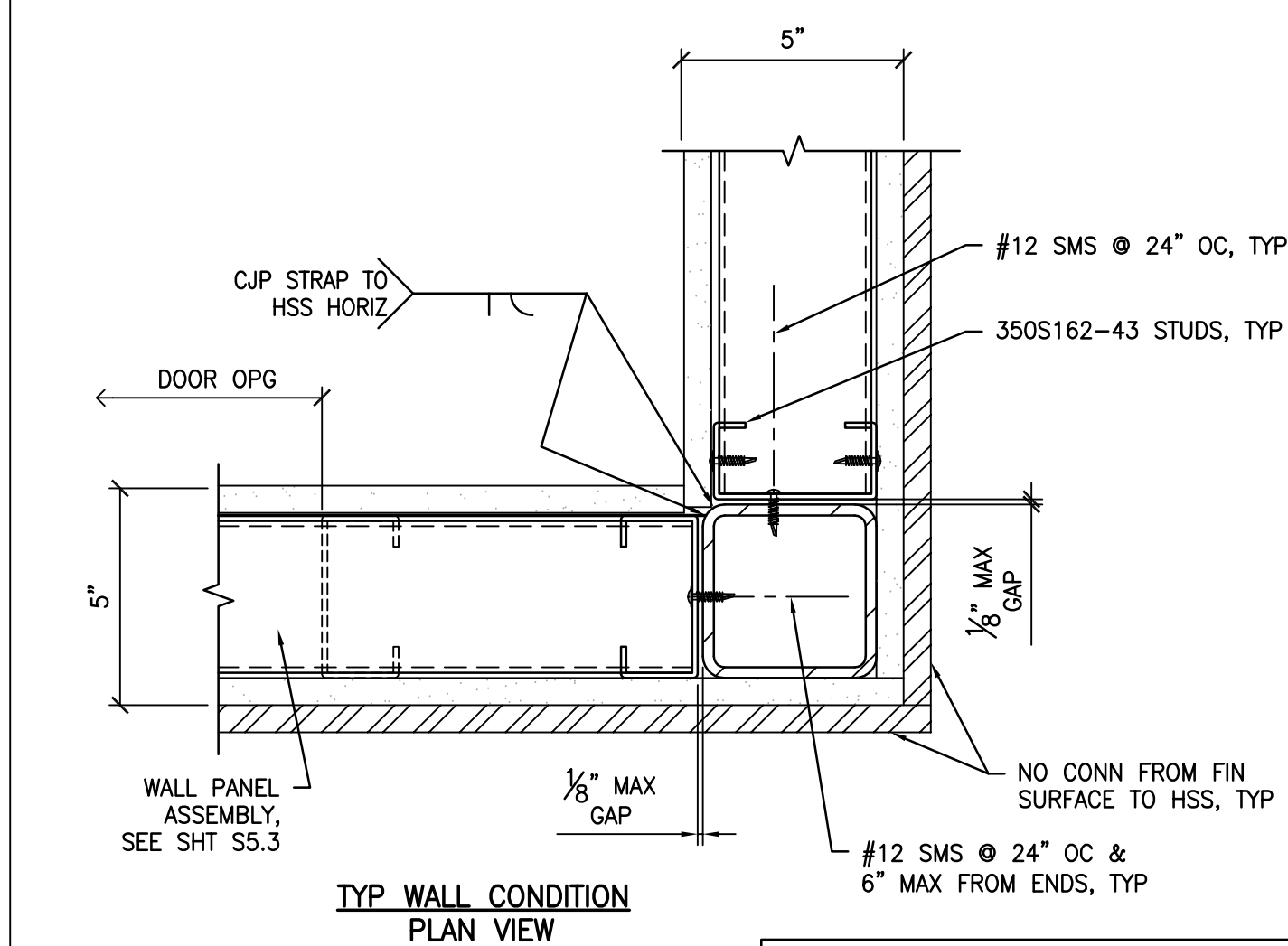
HORIZ HSS TO COL
DETAIL

1
S5.1



PANEL CONN
DETAIL

2
S5.1



COL
DETAIL

3
S5.1

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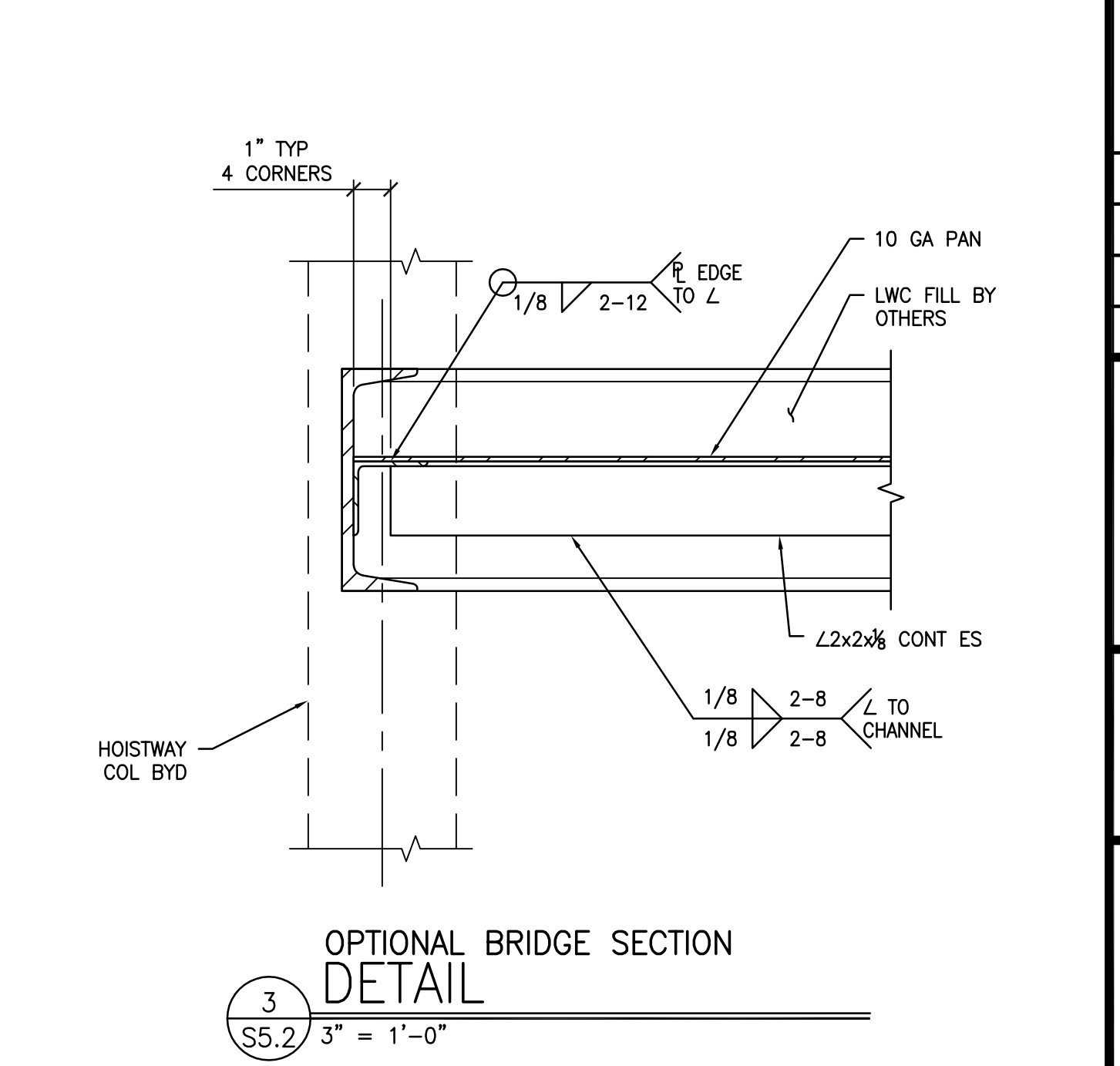
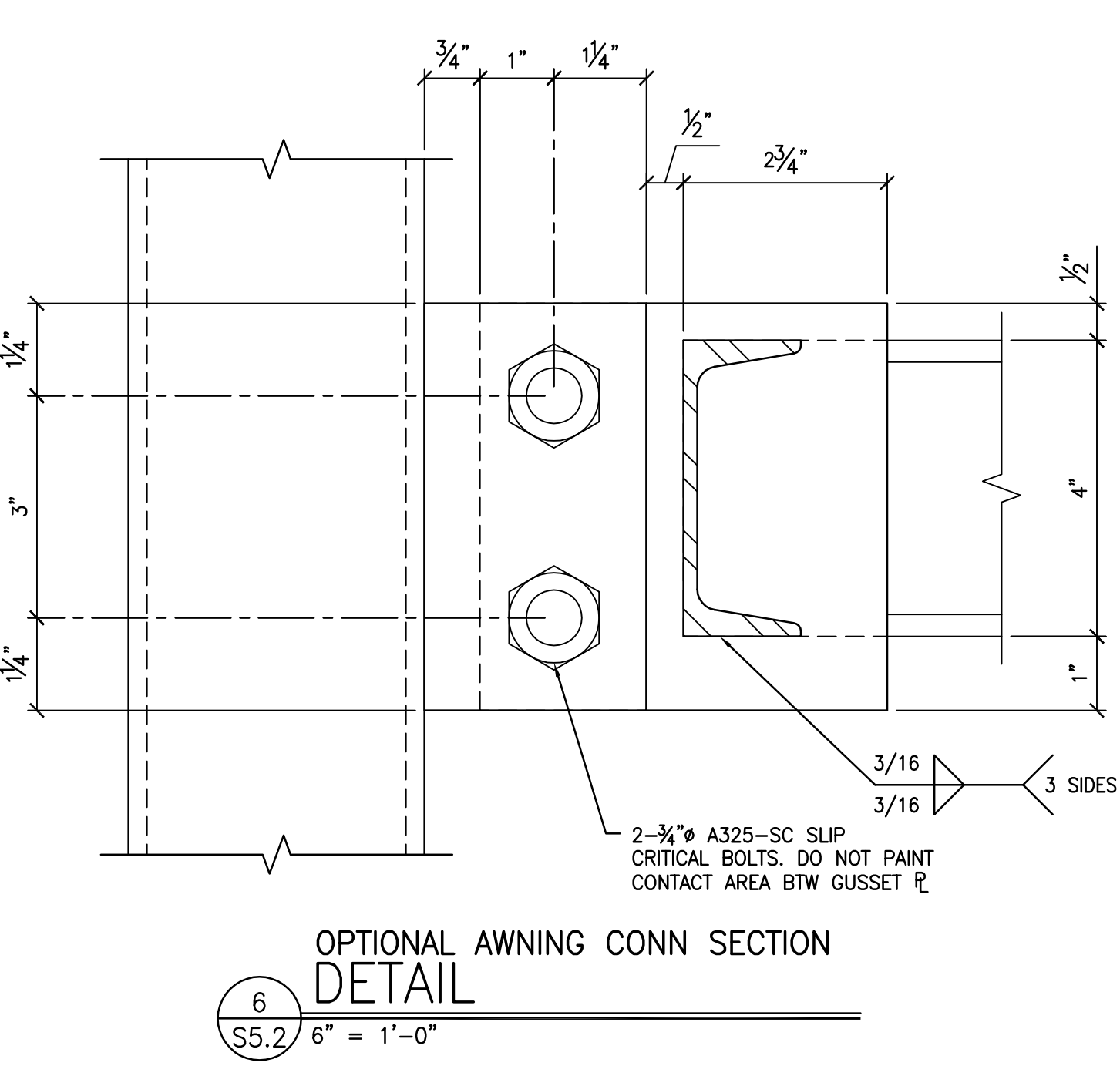
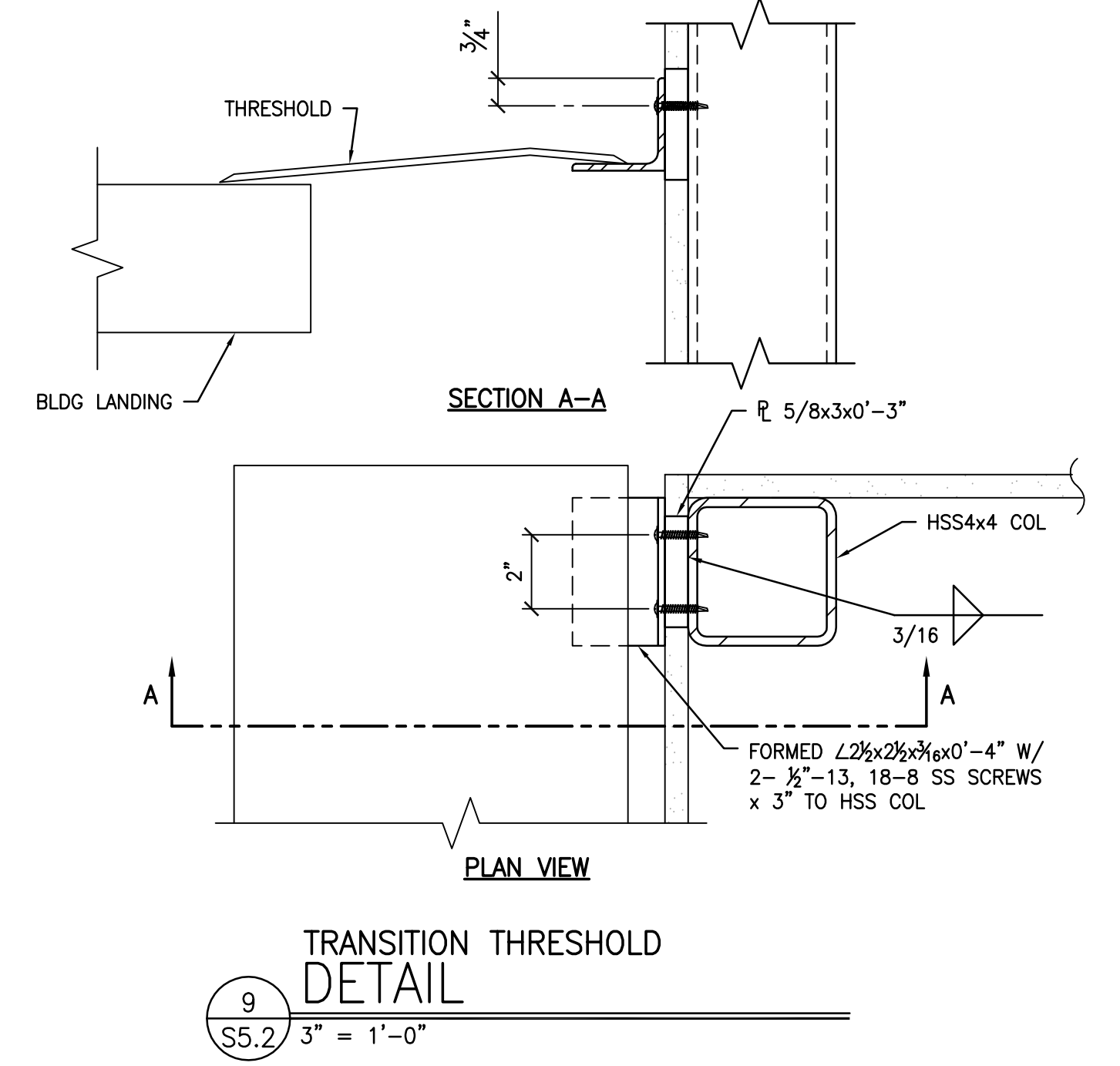
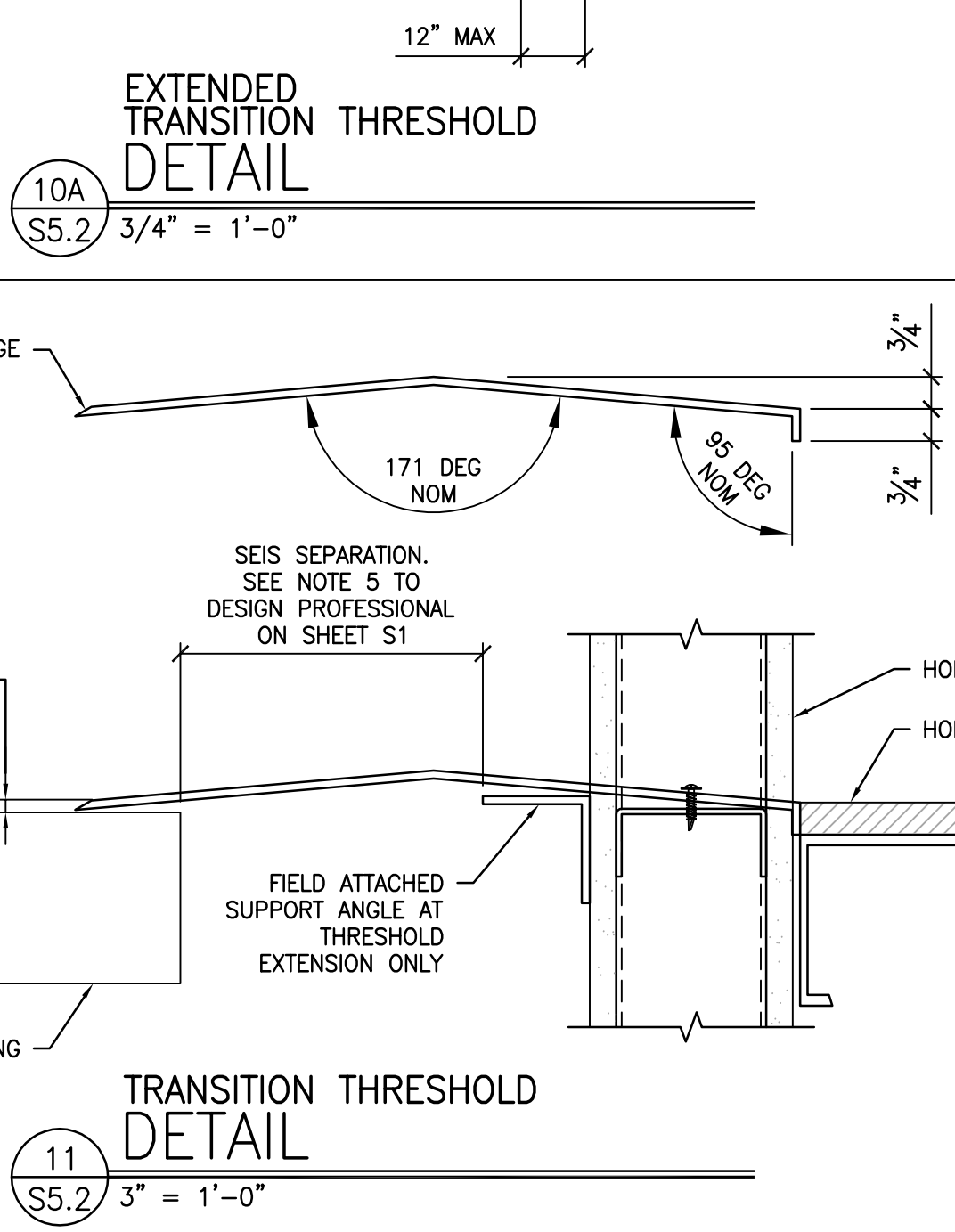
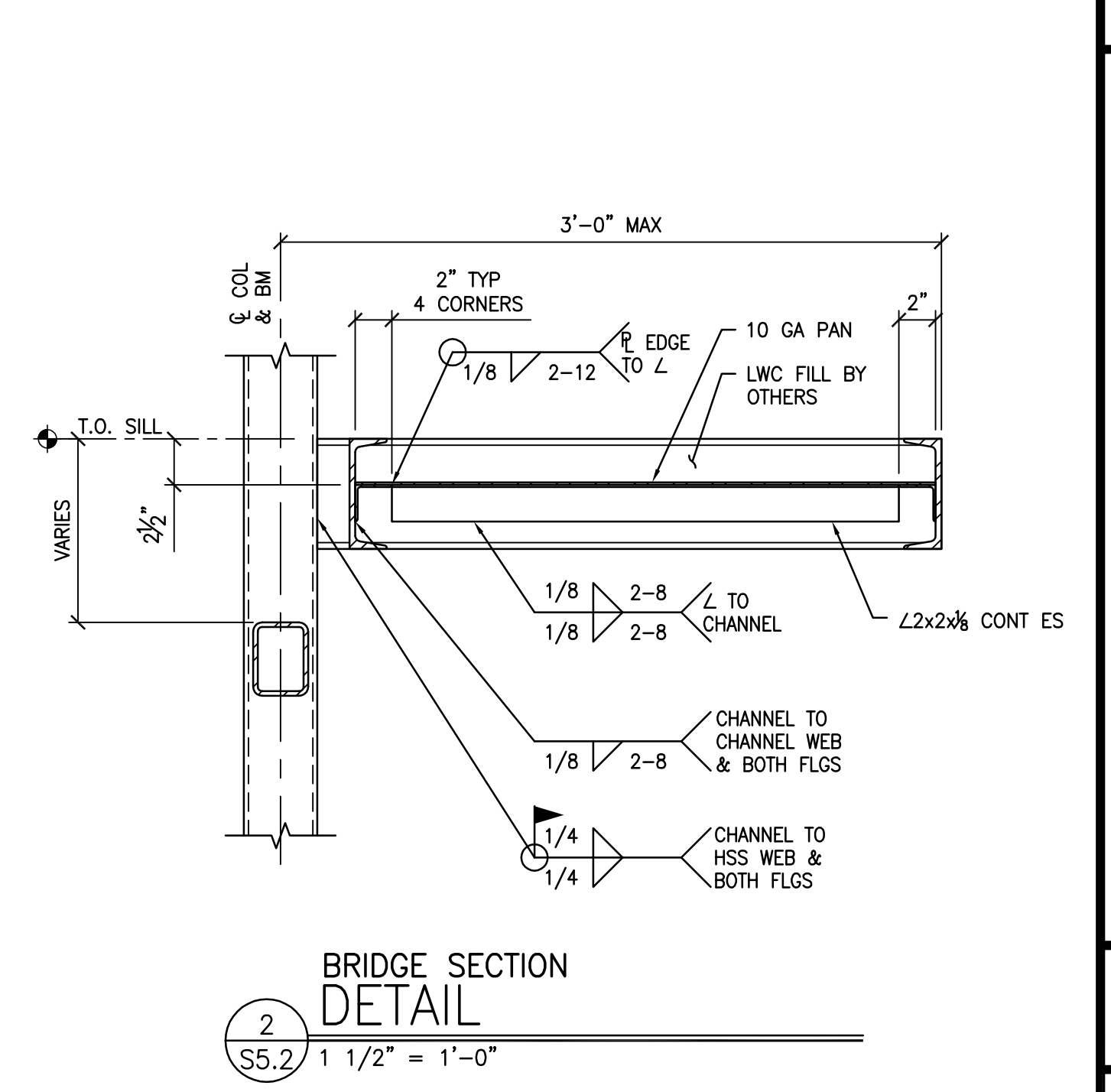
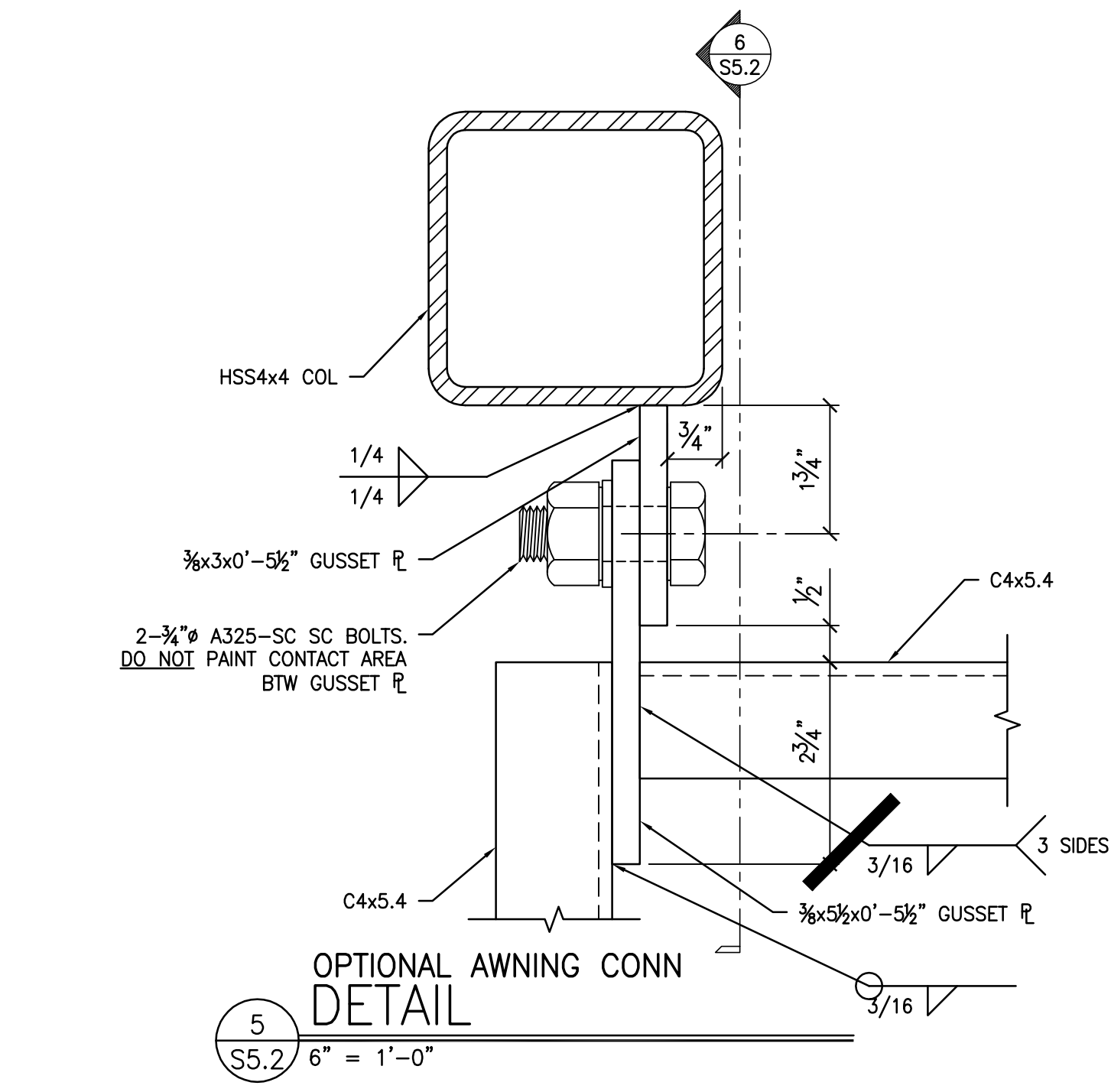
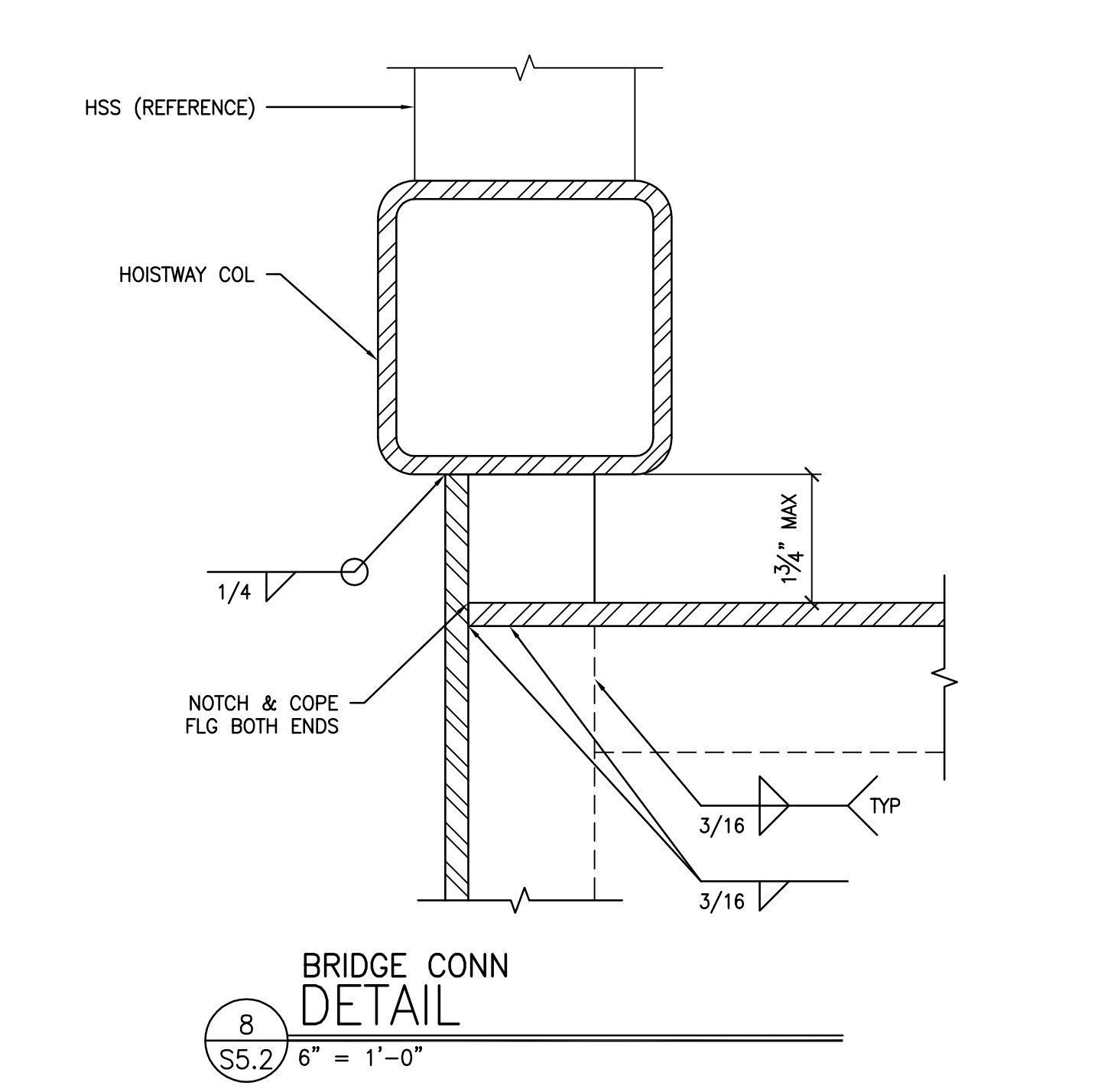
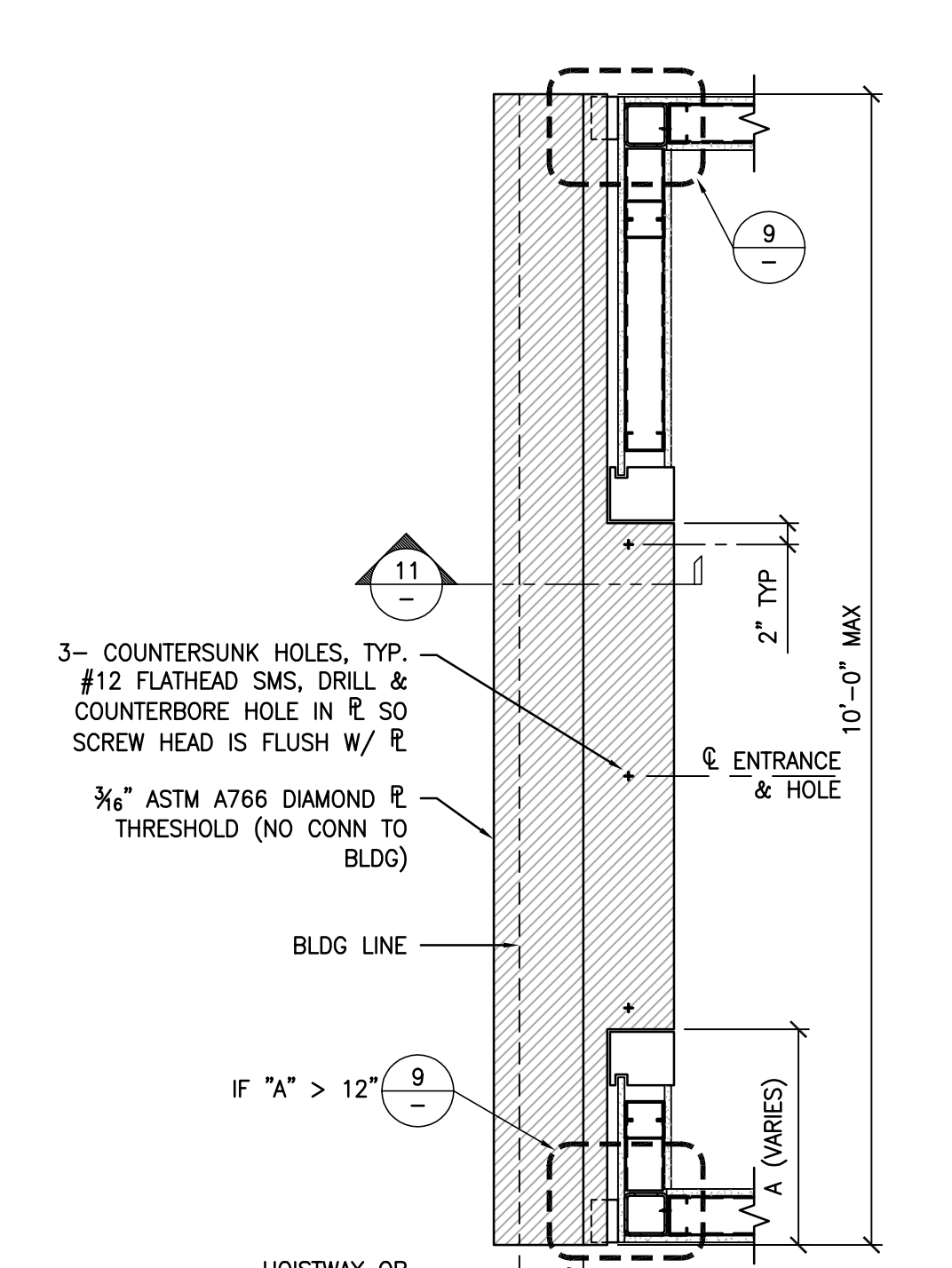
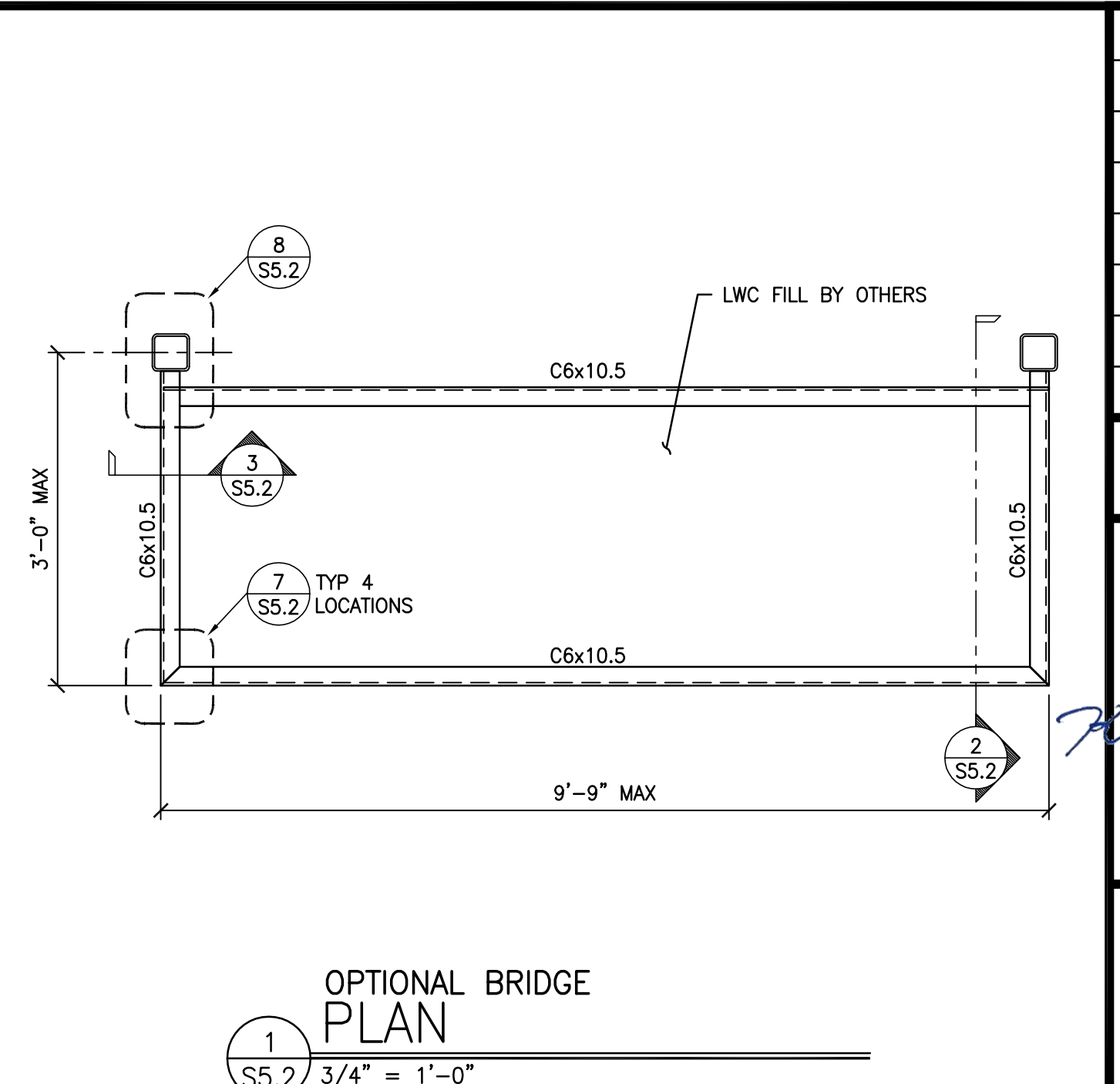
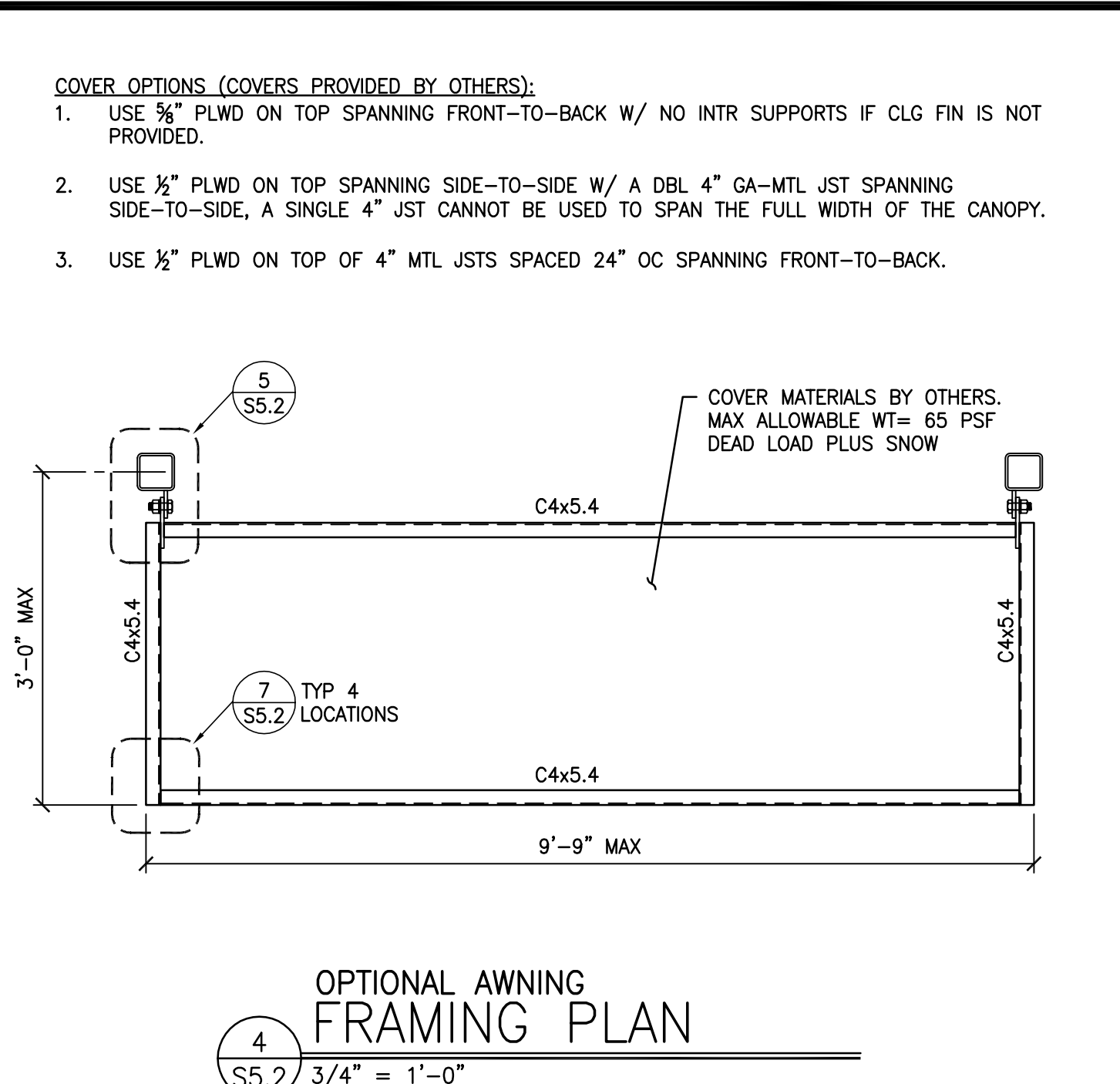
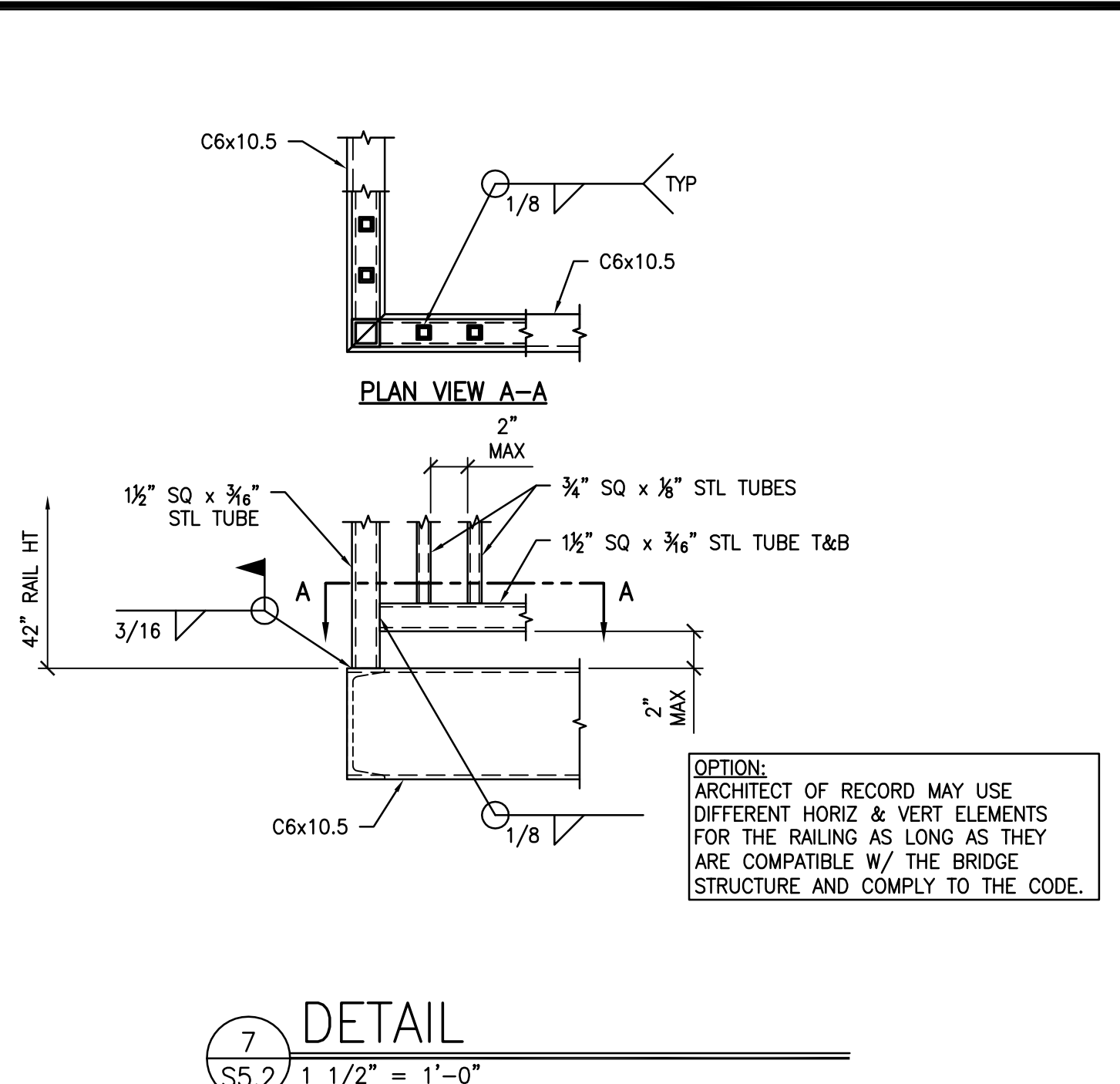
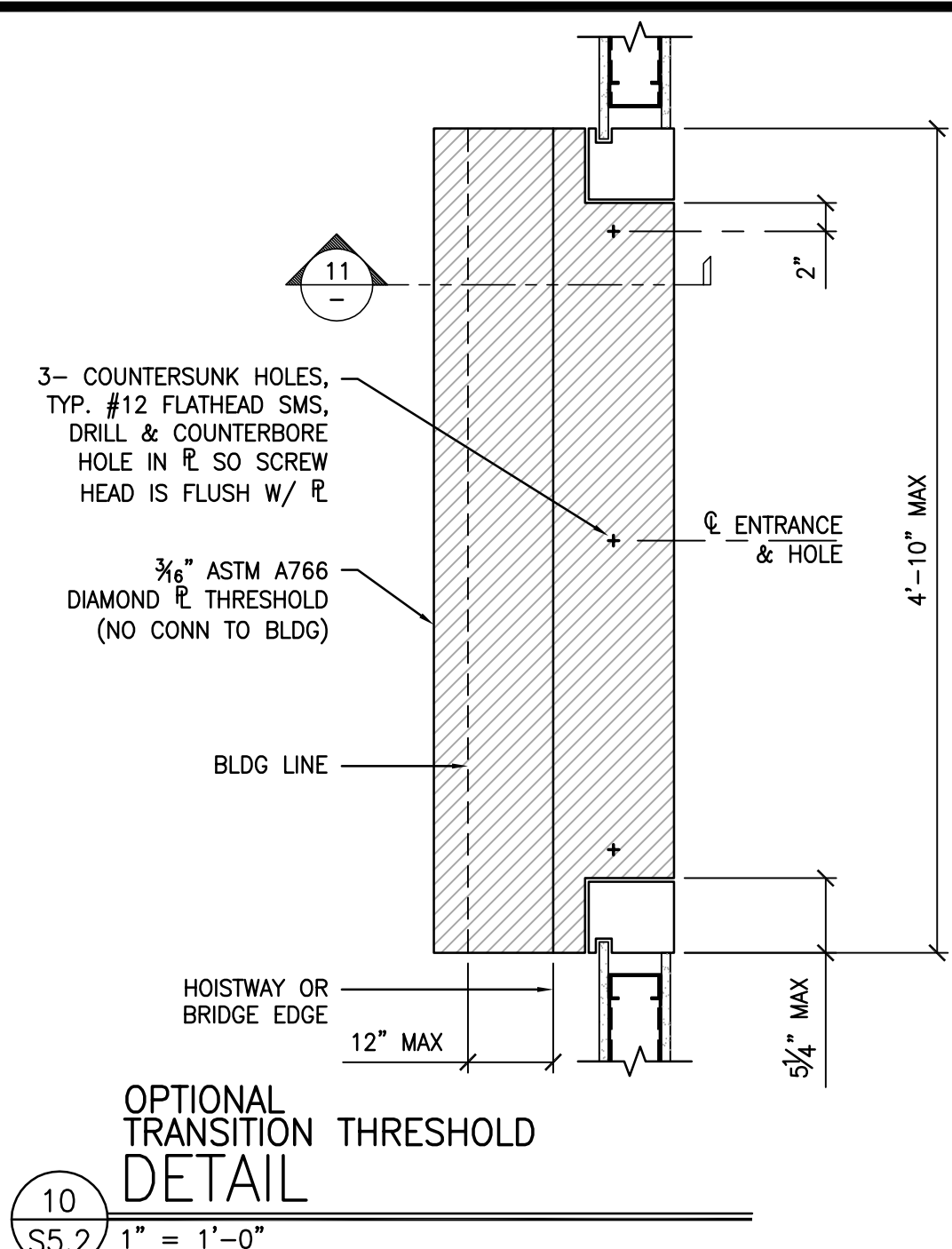
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SHEET NAME:
HOISTWAY DETAILS

SHEET NO:
S5.1

S5.1

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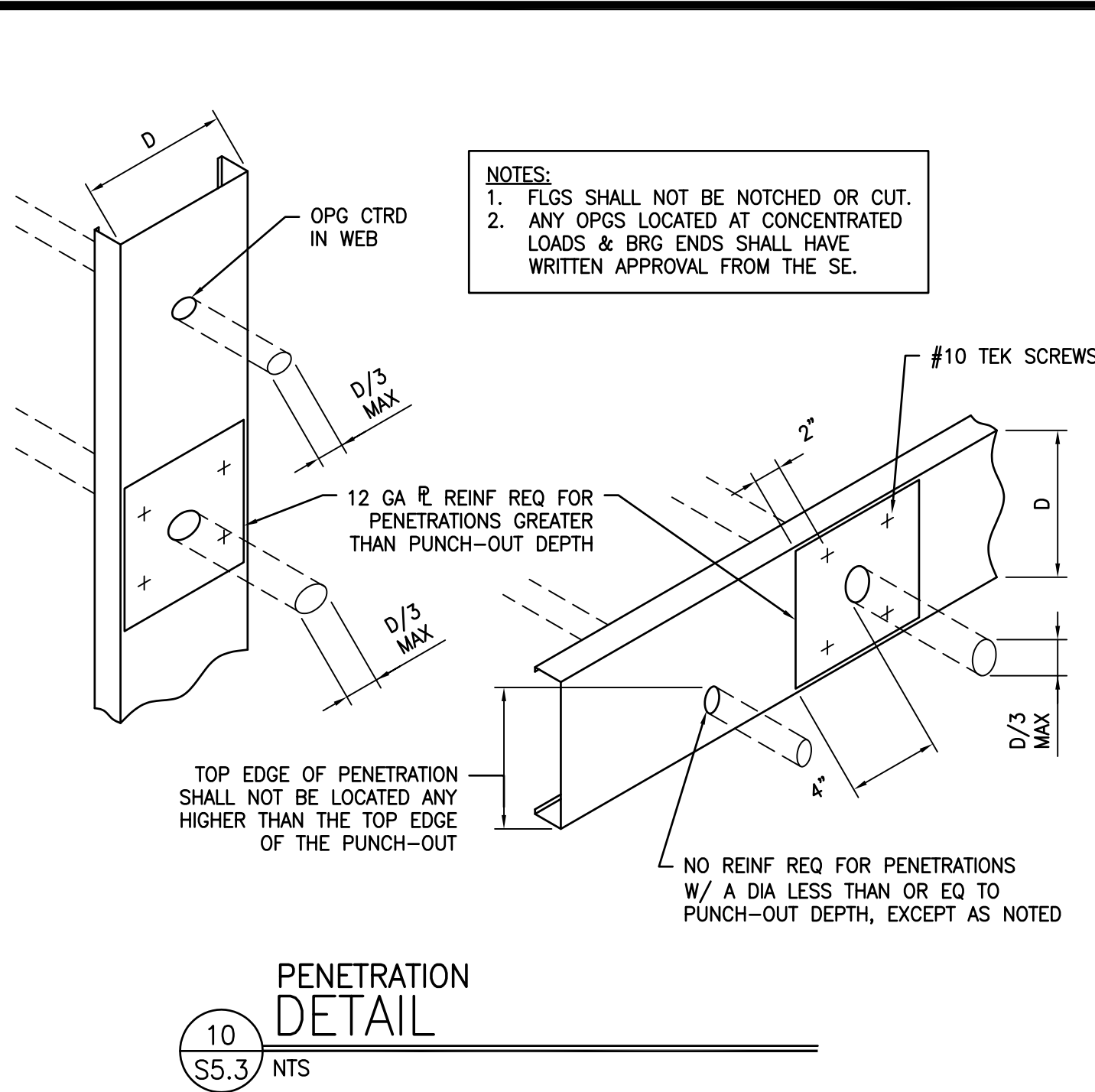
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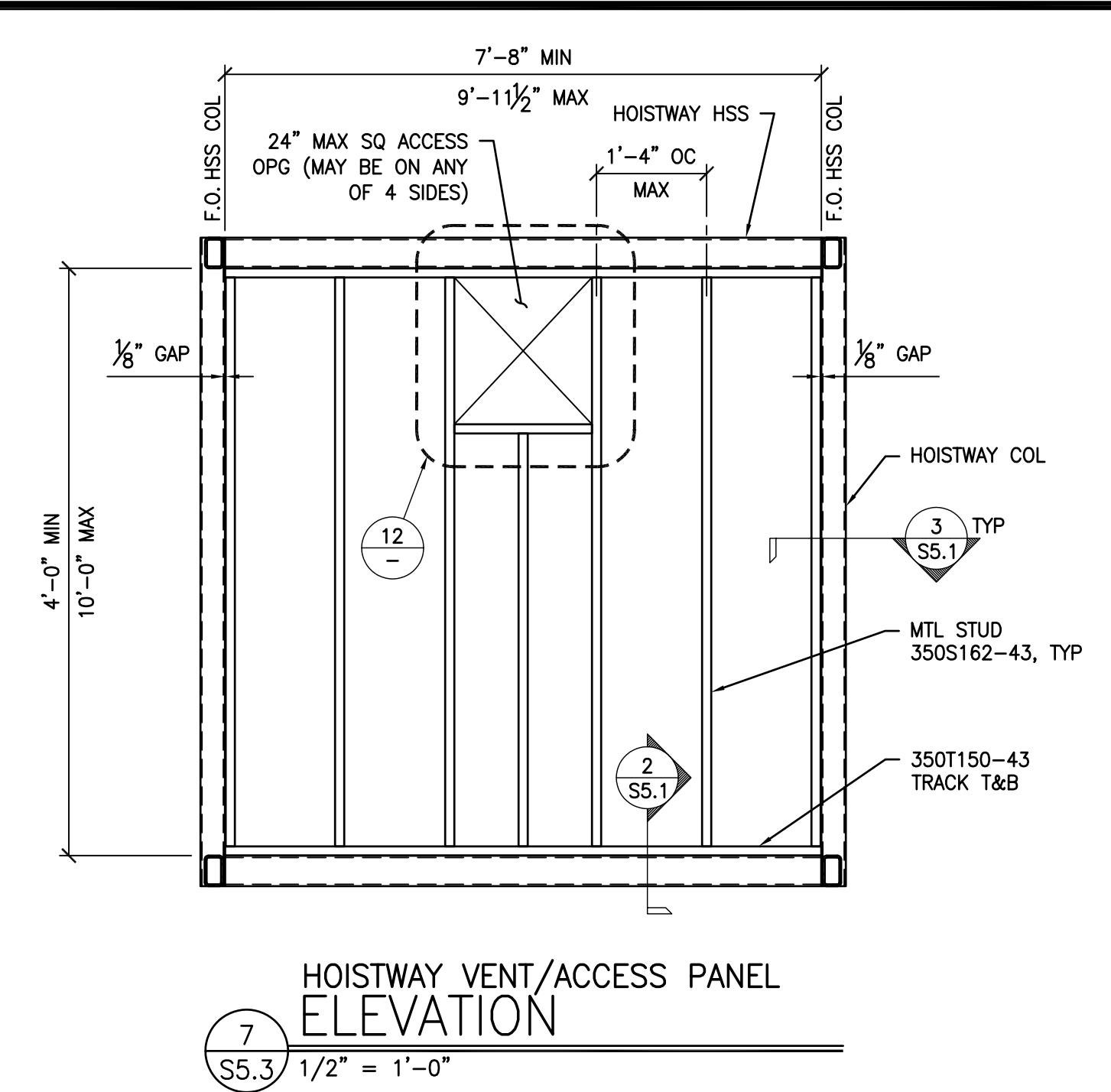
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MISCELLANEOUS
DETAILS

SHEET NO:
S5.2

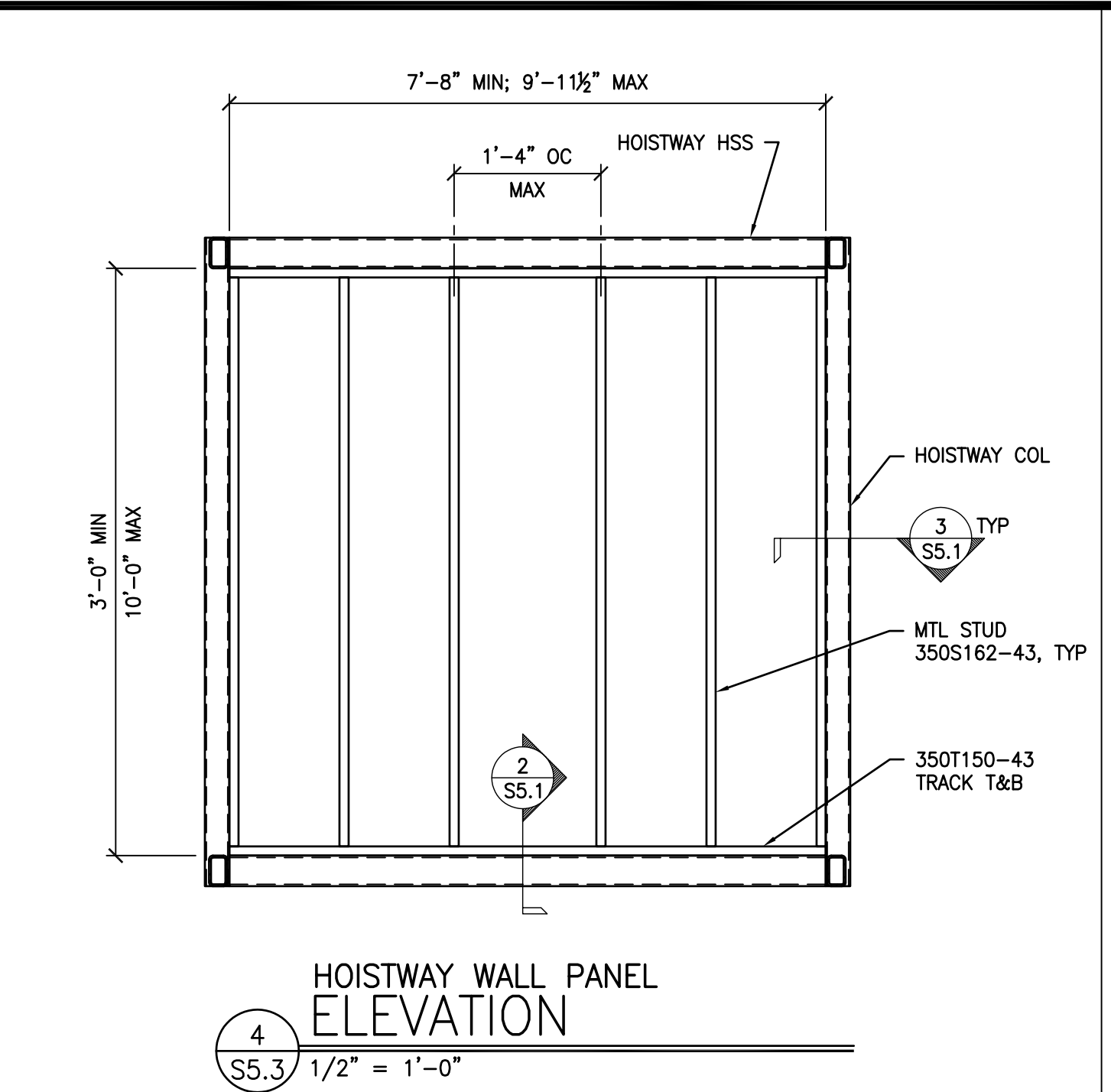
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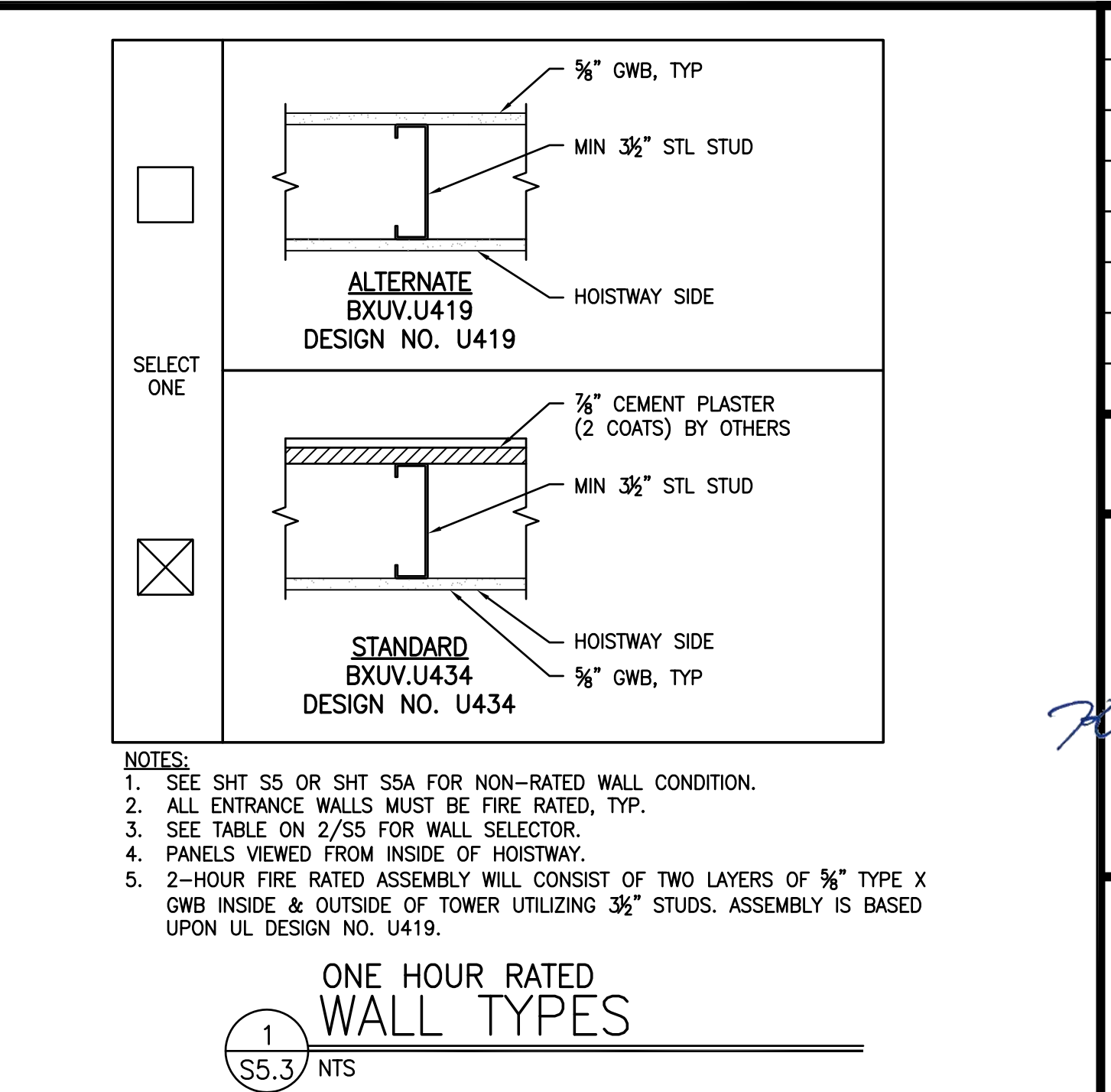
10
S5.3 NTS
PENETRATION
DETAIL



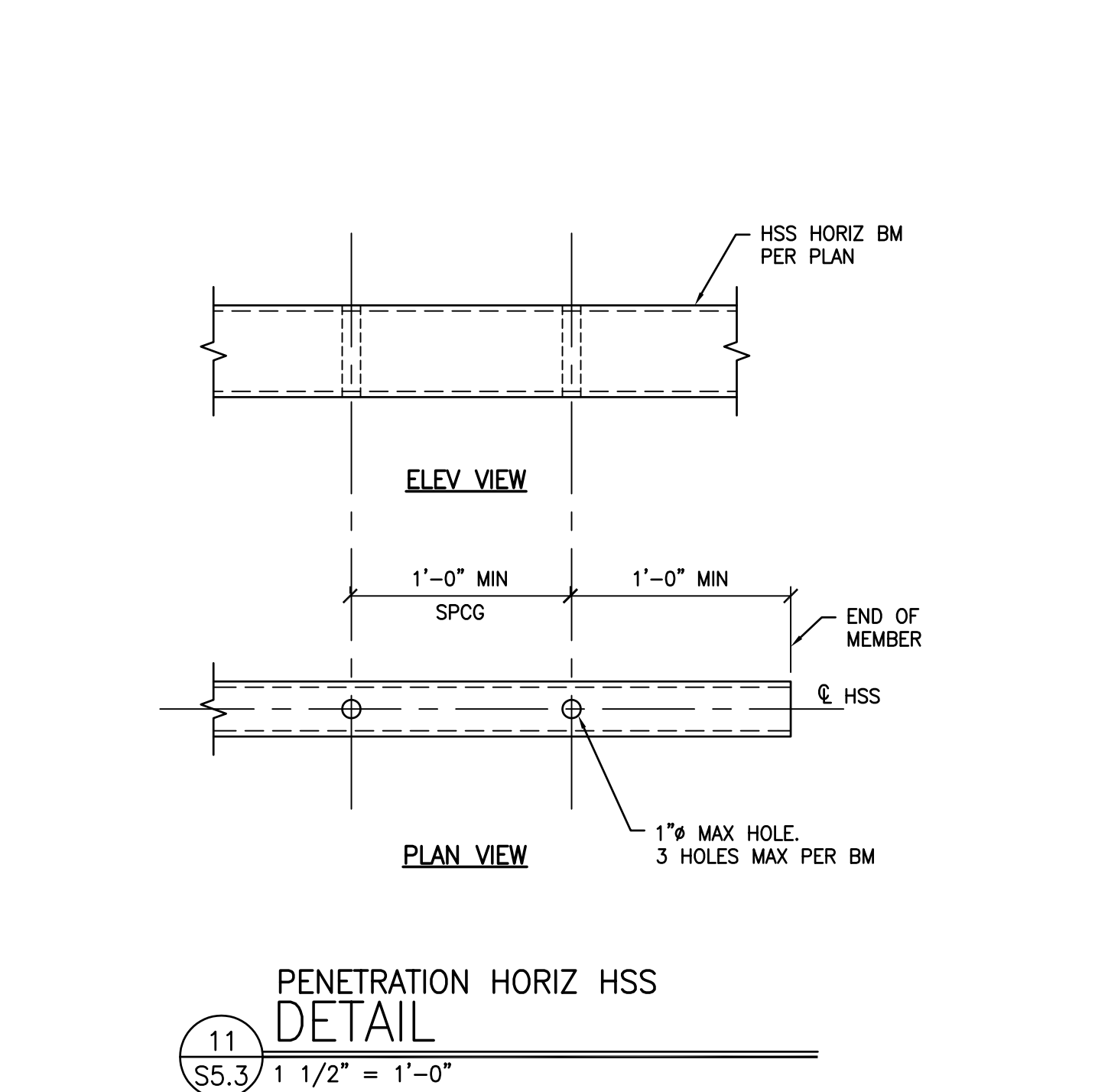
7
S5.3 1/2" = 1'-0"
HOISTWAY VENT/ACCESS PANEL
ELEVATION



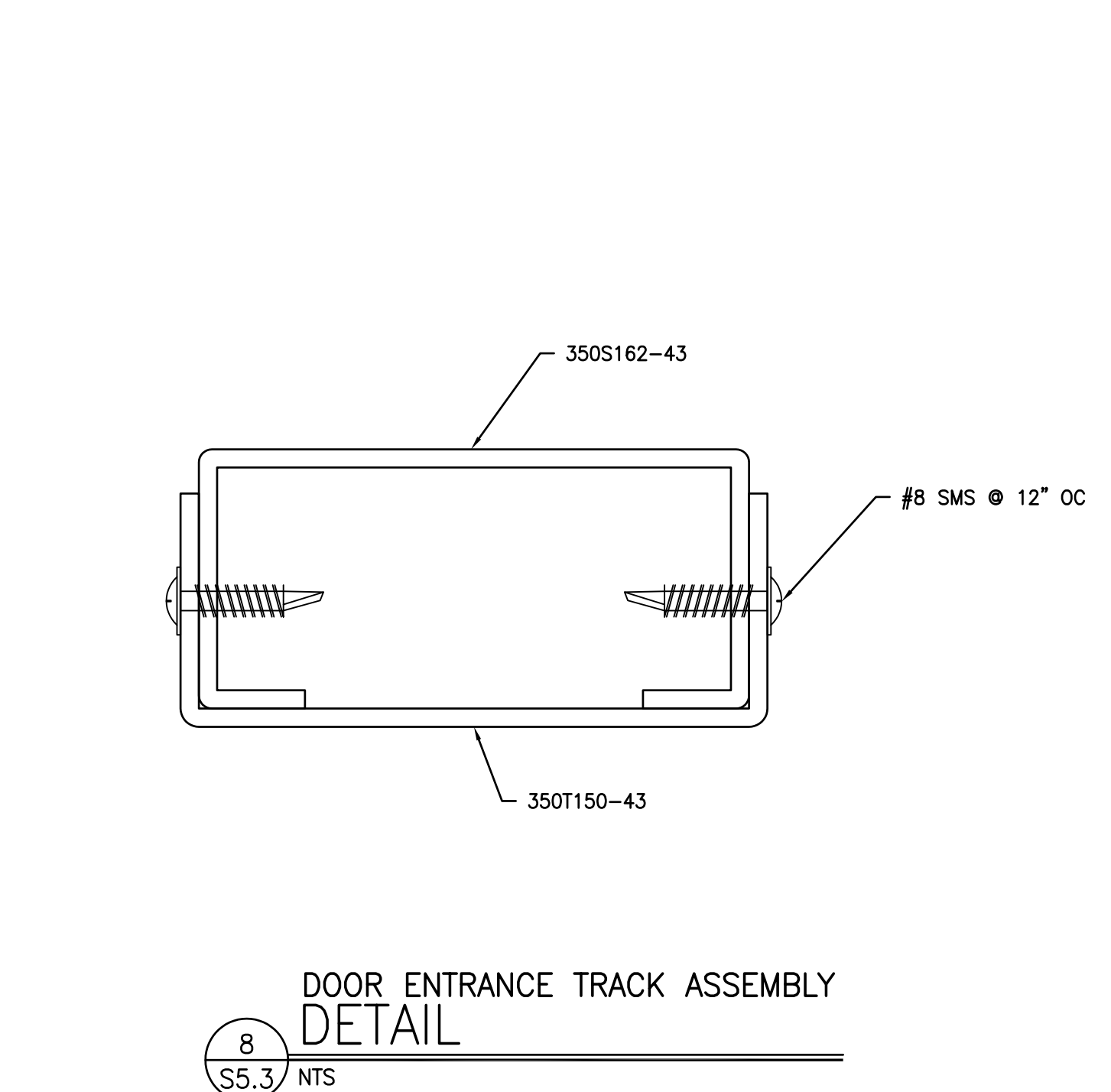
4
S5.3 1/2" = 1'-0"
HOISTWAY WALL PANEL
ELEVATION



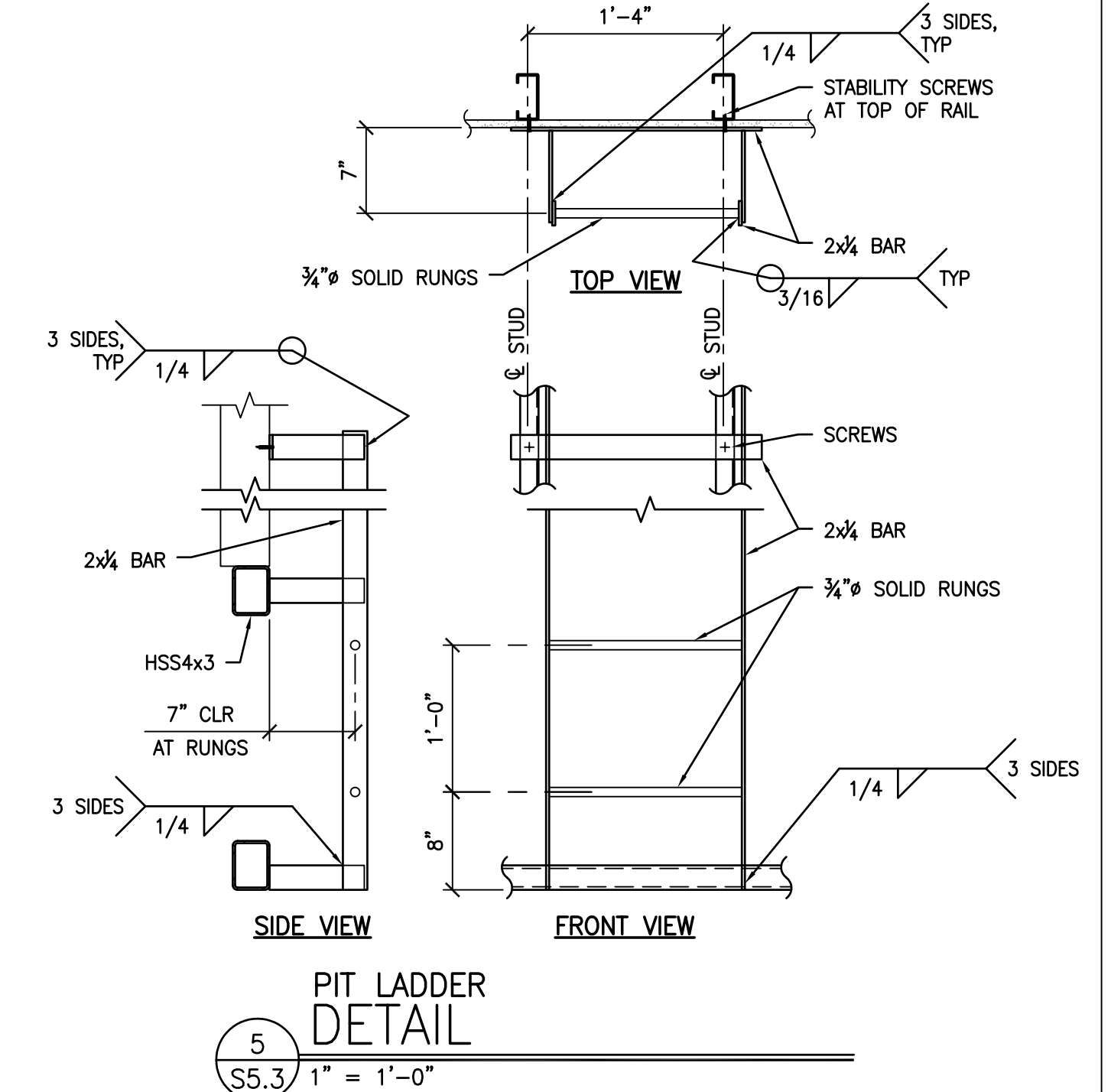
1
S5.3 NTS
ONE HOUR RATED
WALL TYPES



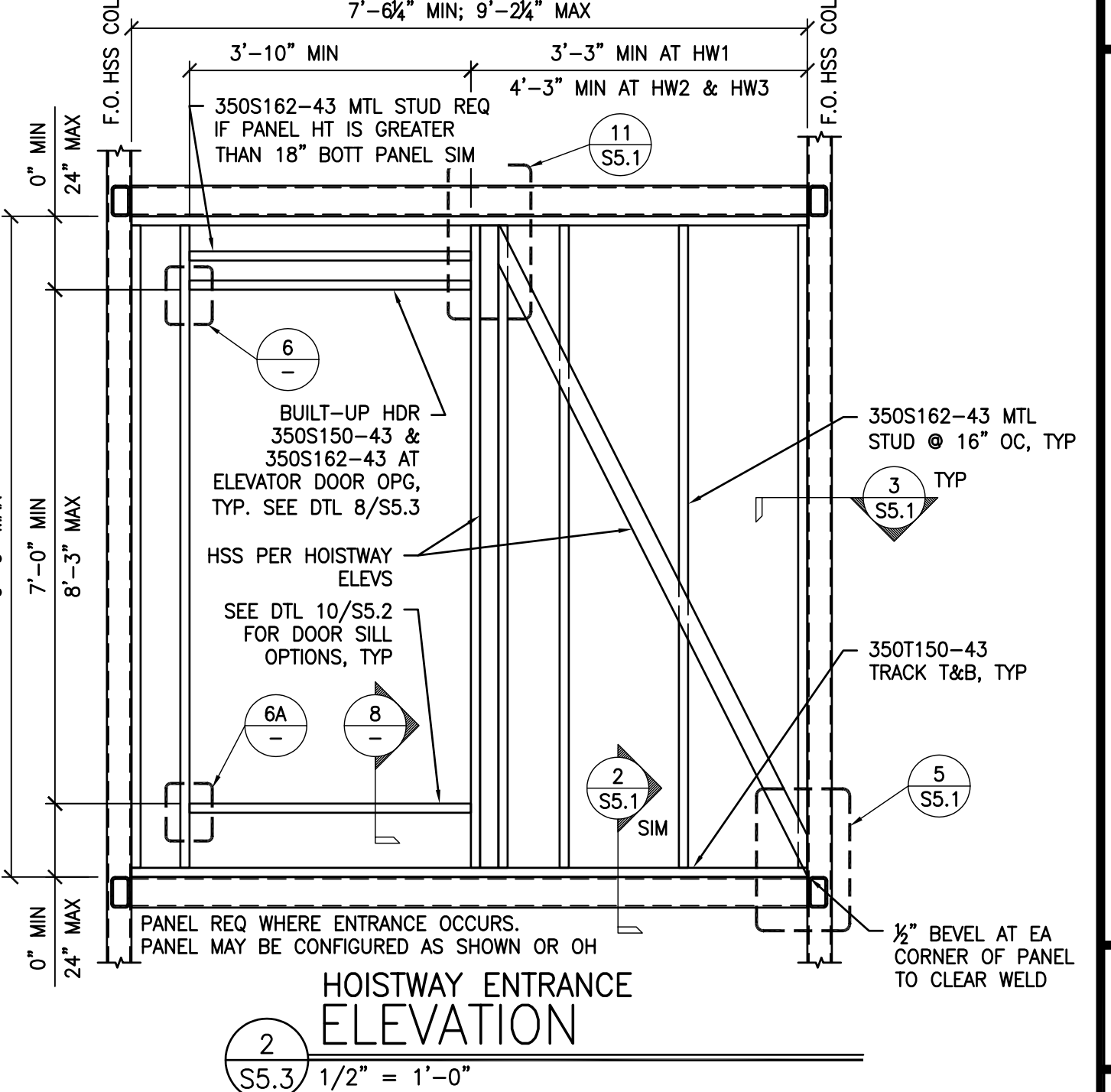
11
S5.3 1 1/2" = 1'-0"
PENETRATION HORIZ HSS
DETAIL



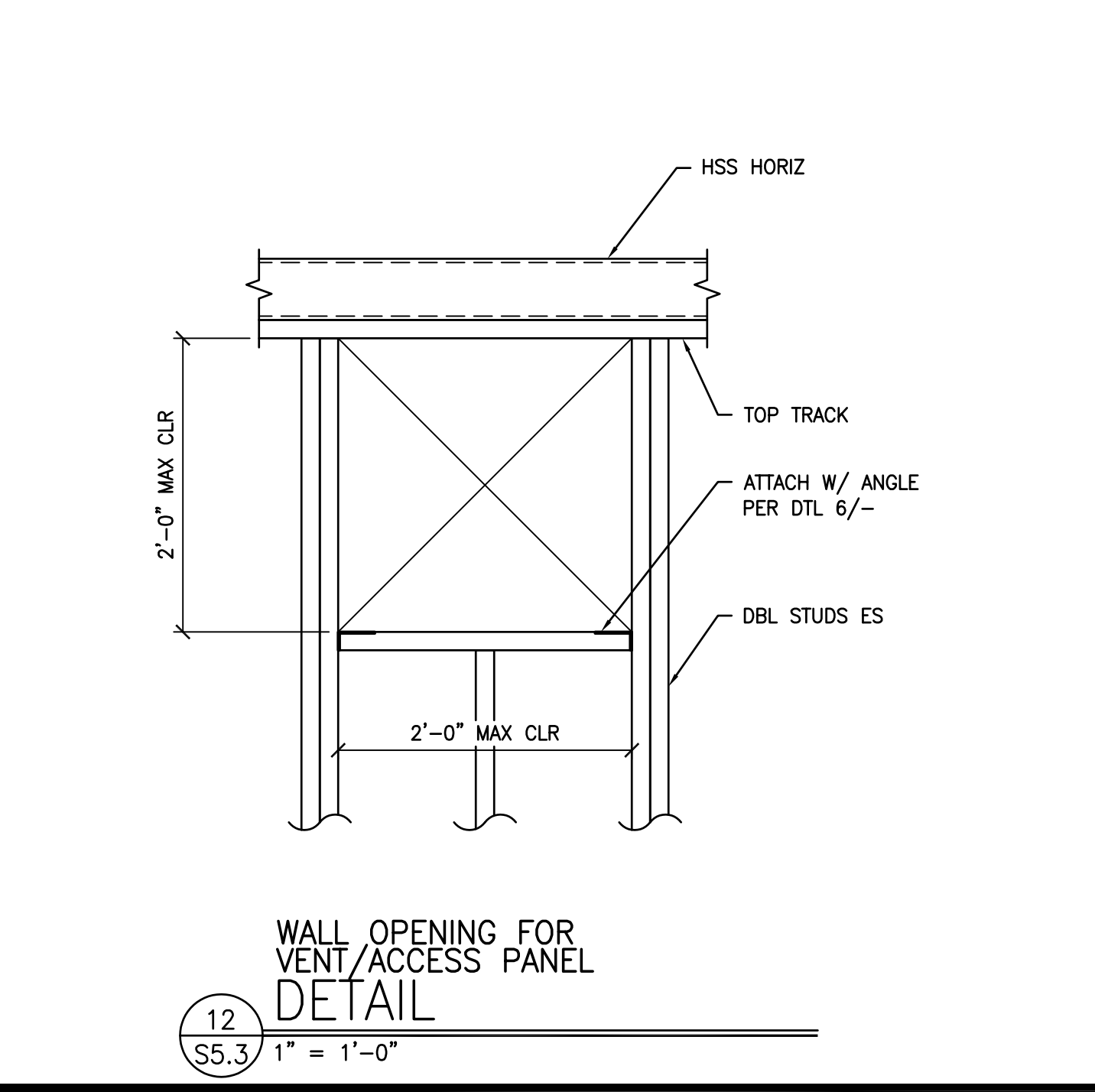
8
S5.3 NTS
DOOR ENTRANCE TRACK ASSEMBLY
DETAIL



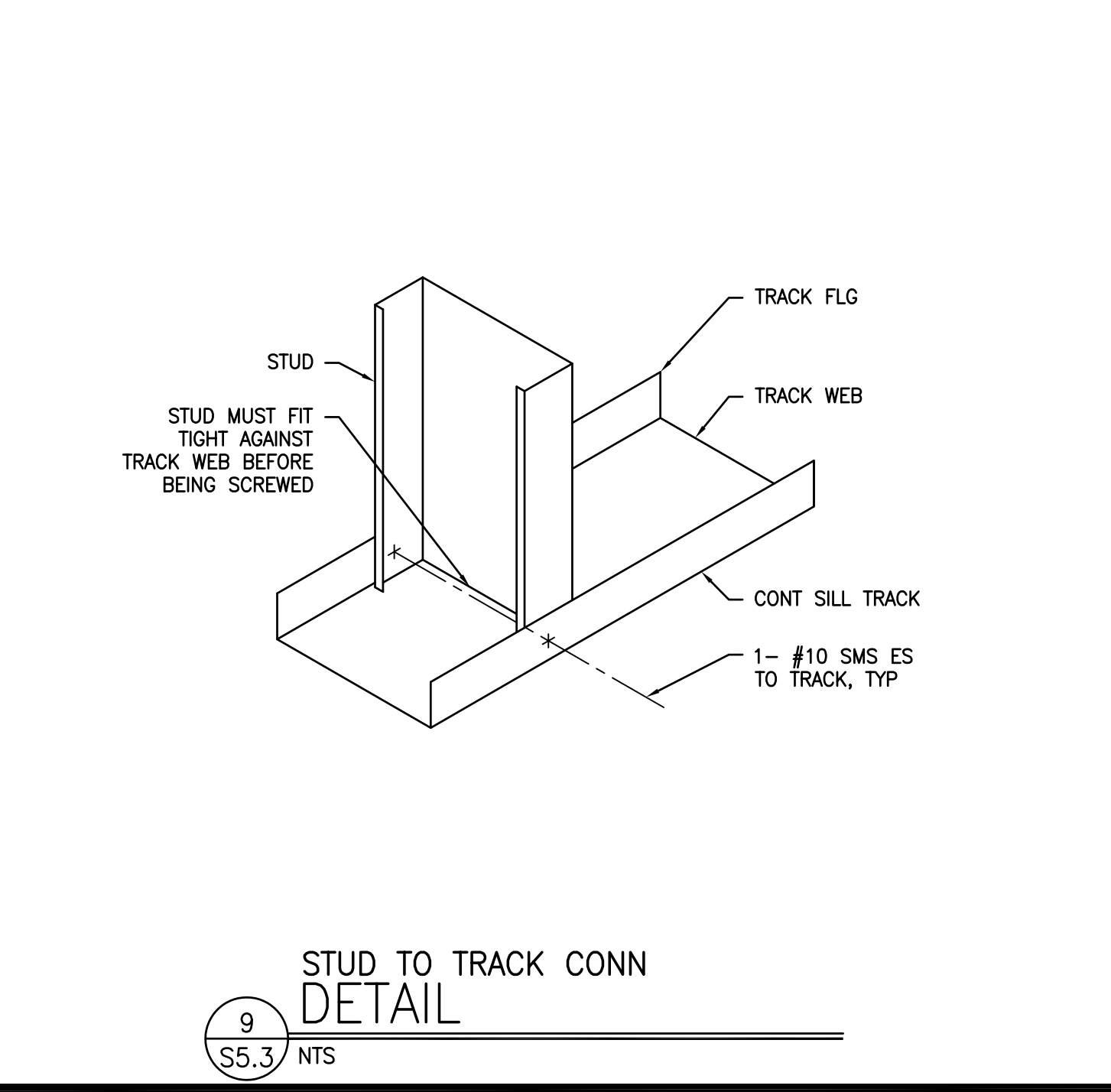
5
S5.3 1" = 1'-0"
PIT LADDER
DETAIL



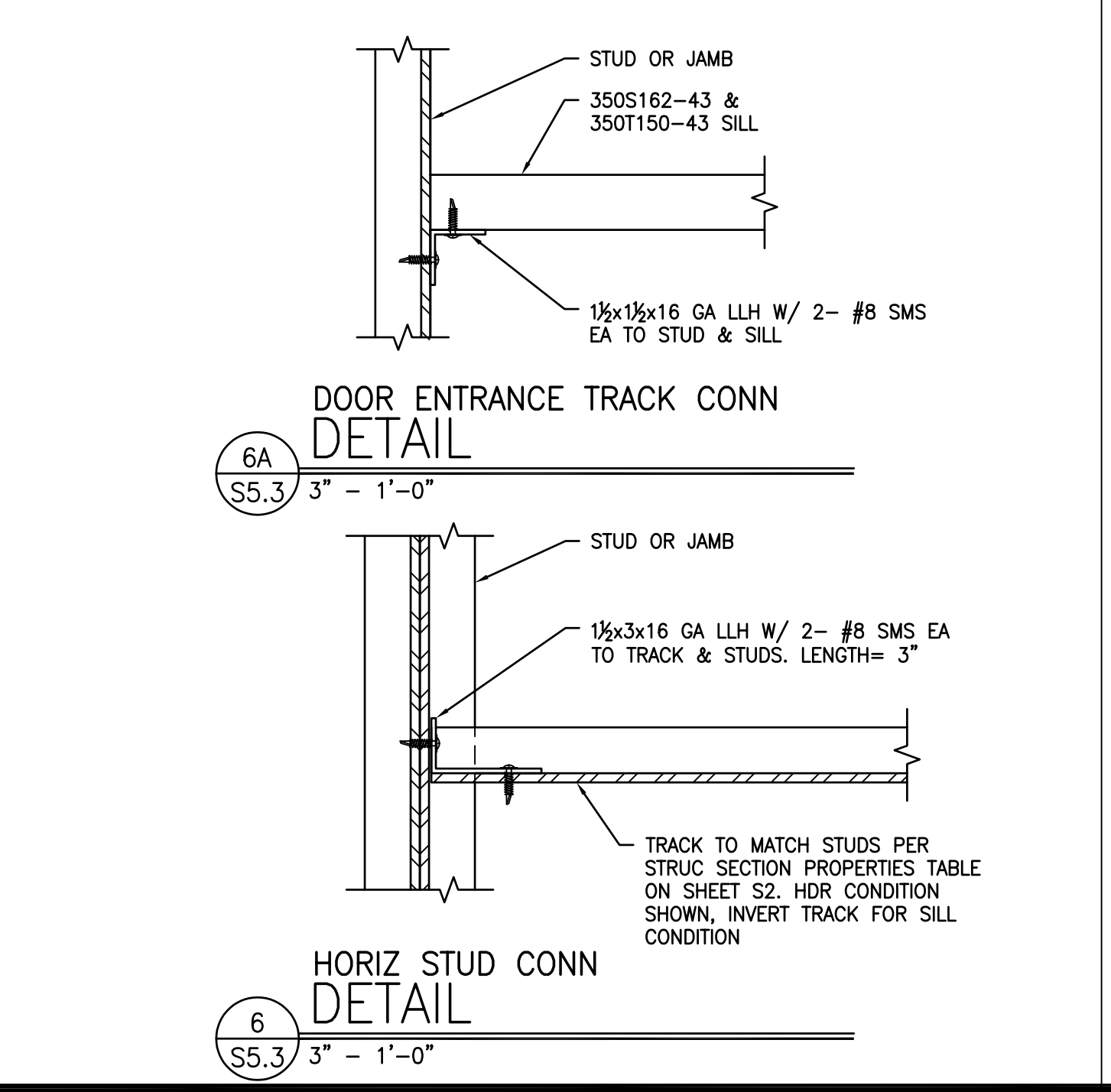
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HOISTWAY ENTRANCE
ELEVATION



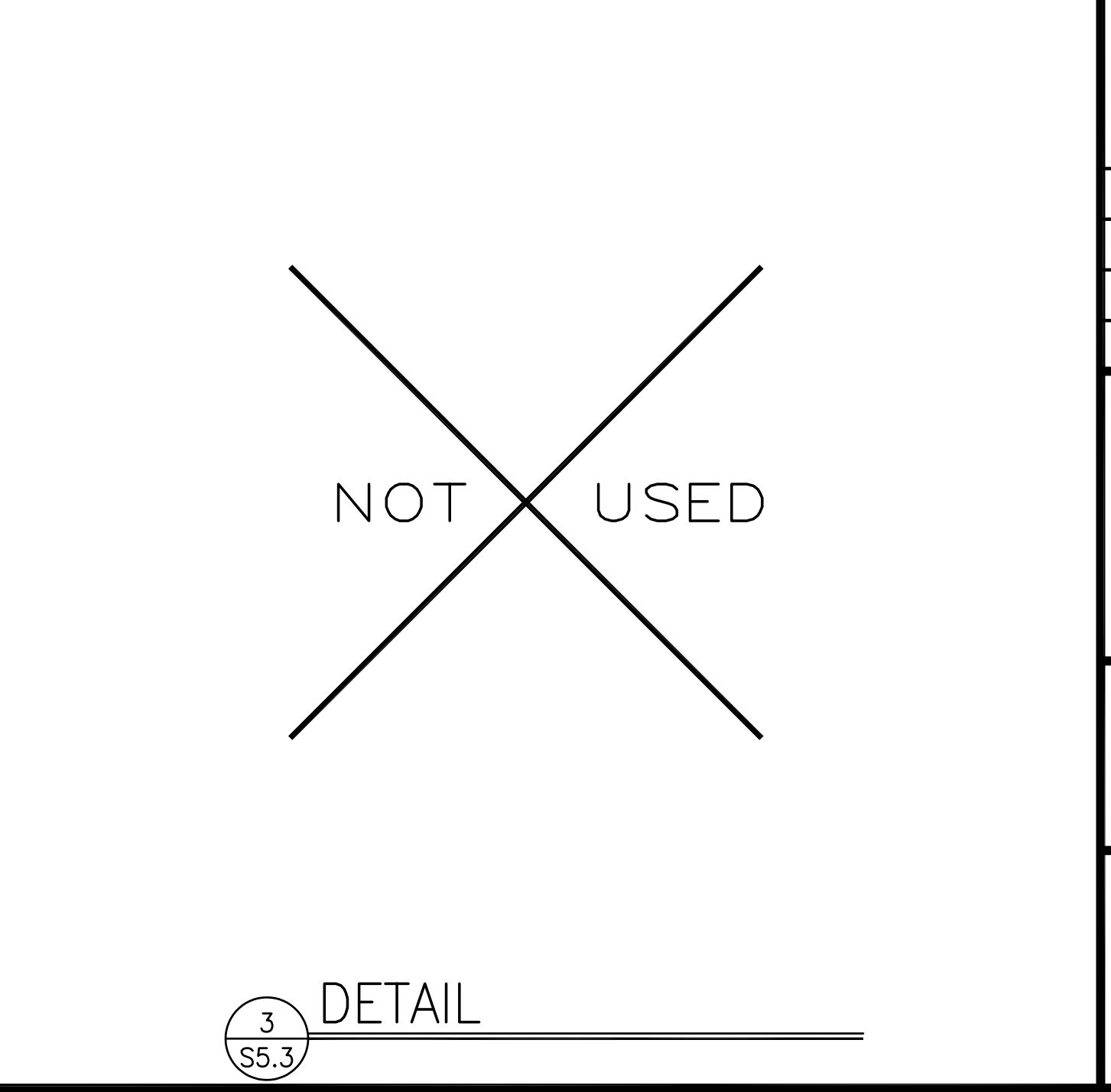
12
S5.3 1" = 1'-0"
WALL OPENING FOR
VENT/ACCESS PANEL
DETAIL



9
S5.3 NTS
STUD TO TRACK CONN
DETAIL



6
S5.3 3" = 1'-0"
HORIZ STUD CONN
DETAIL



3
S5.3
NOT USED

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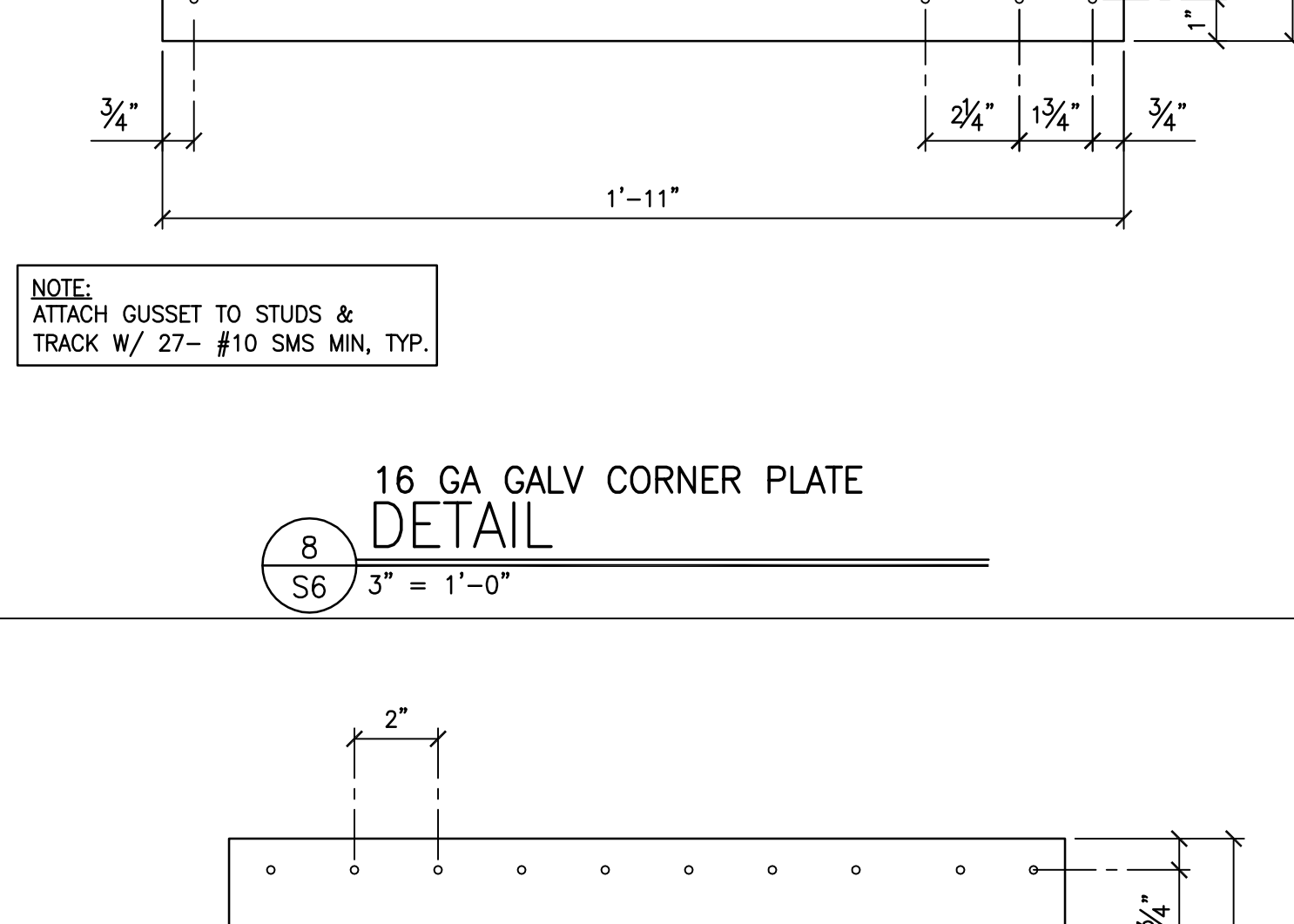
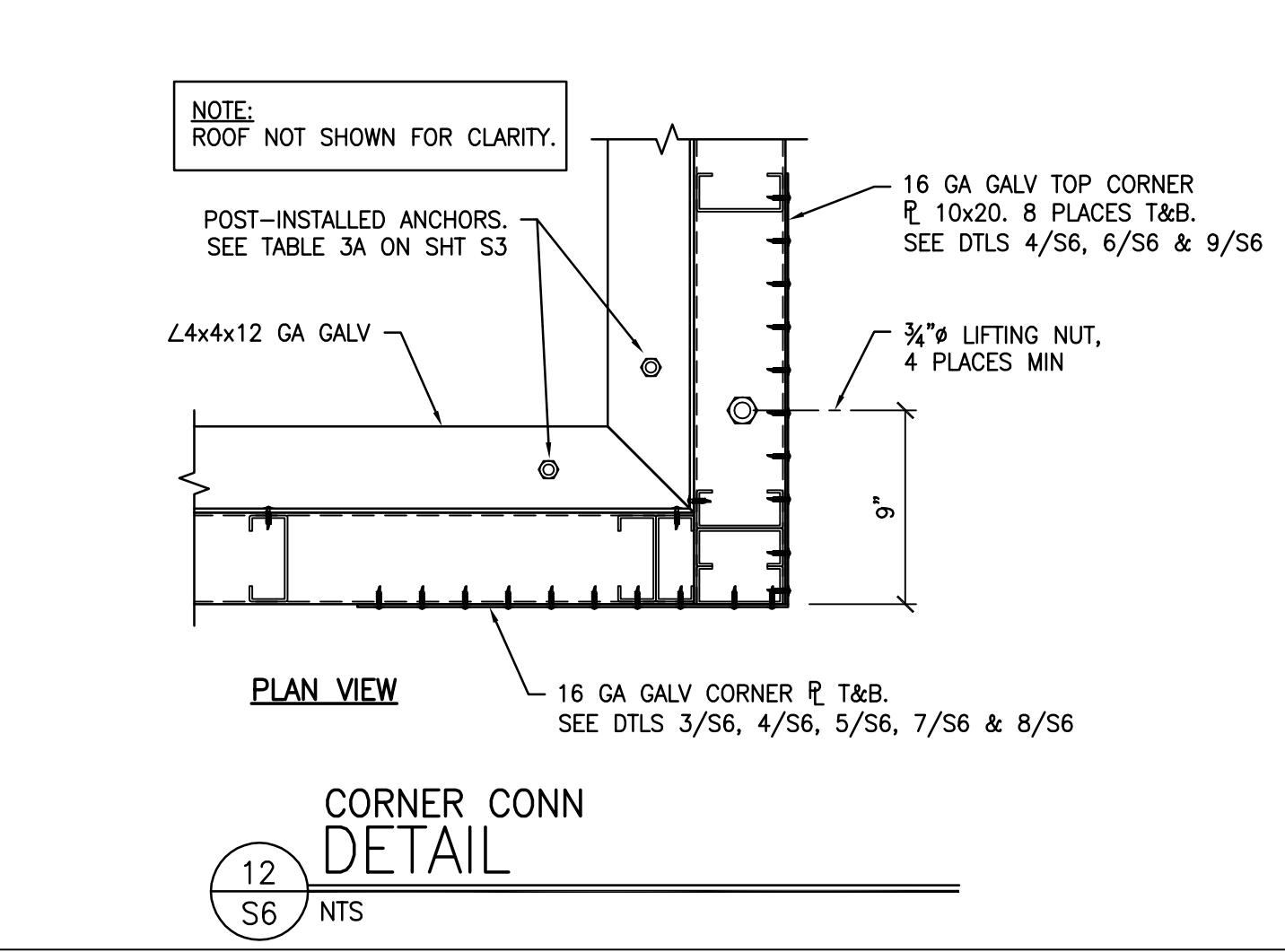
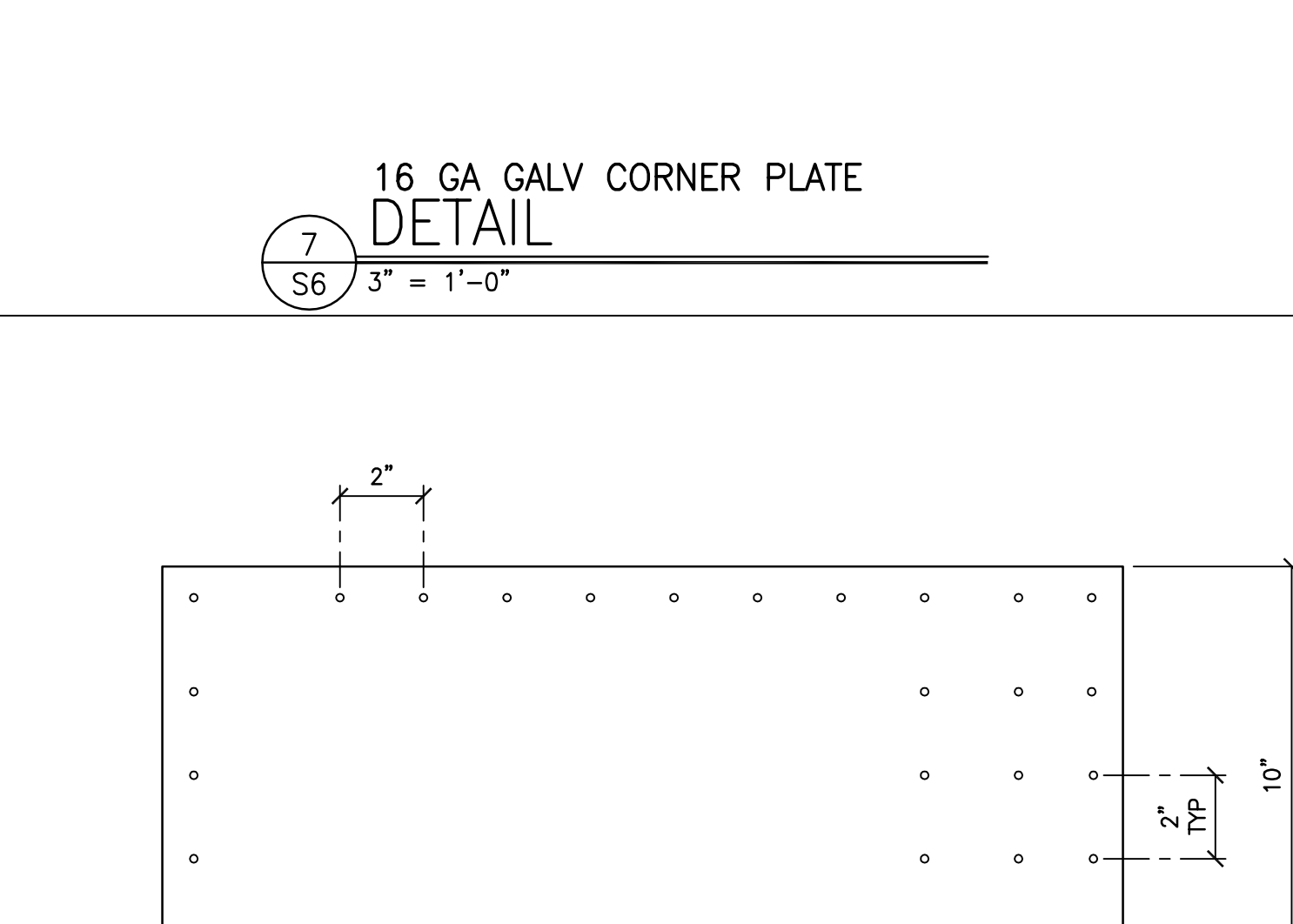
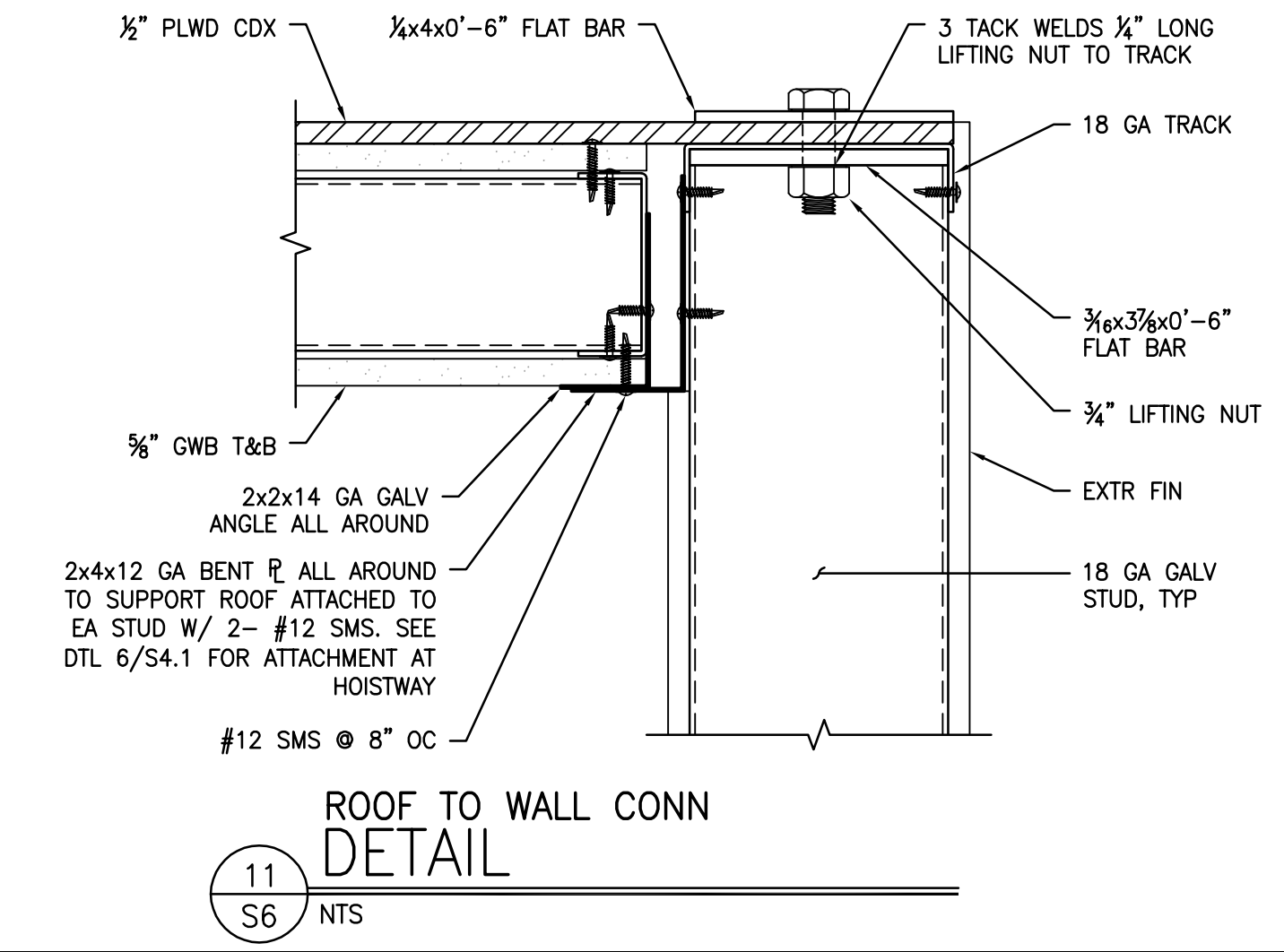
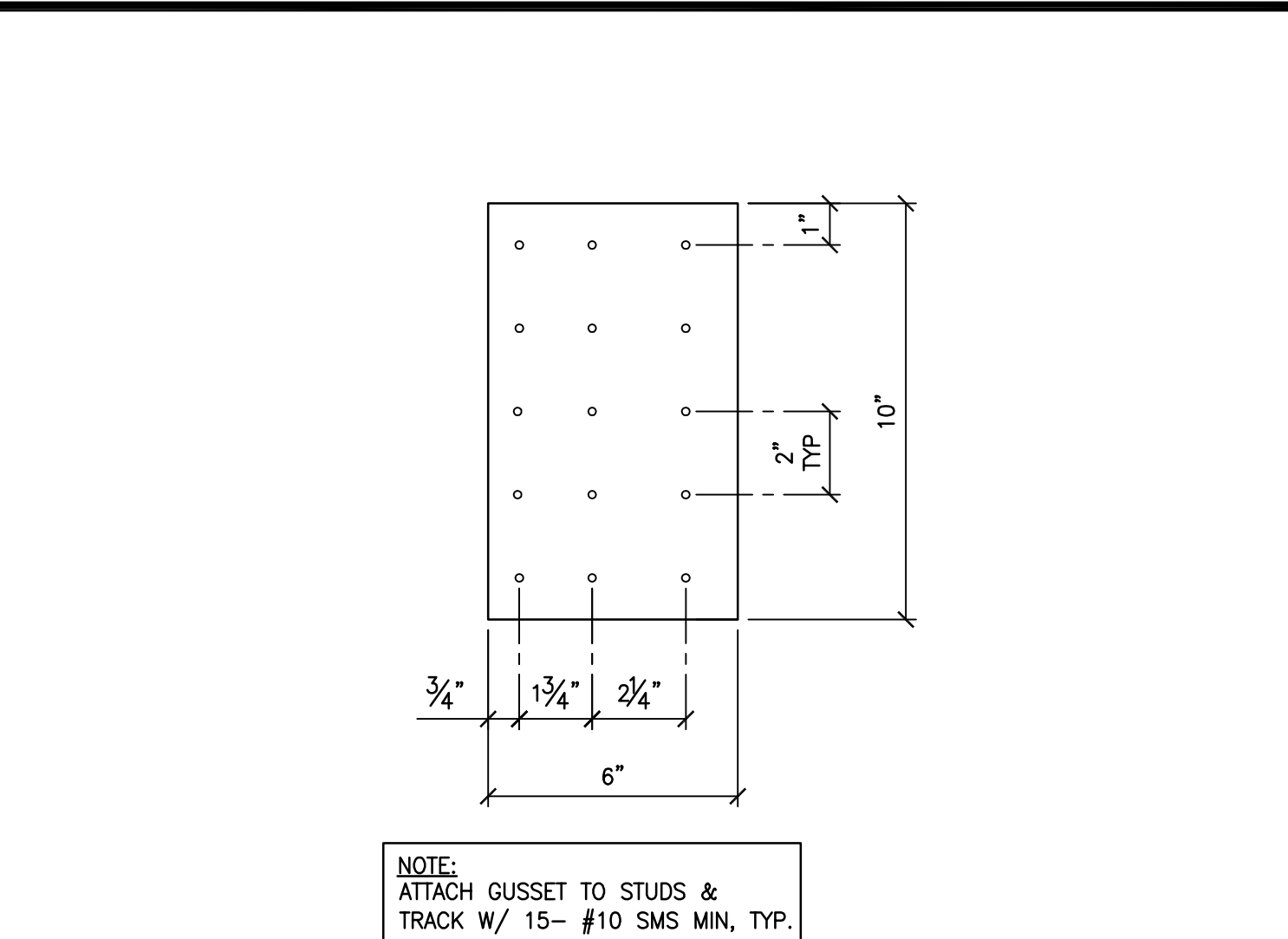
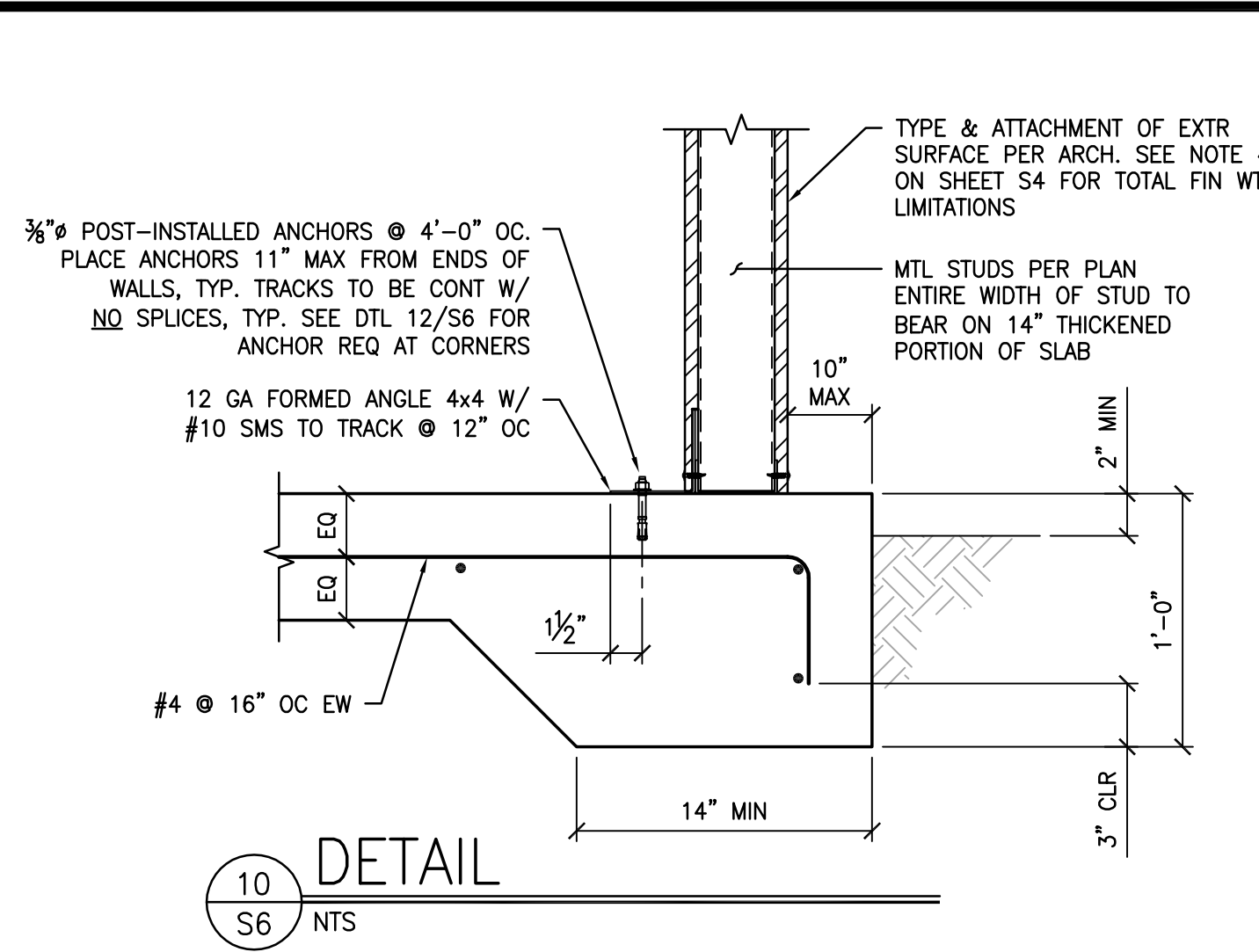
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HOISTWAY WALL
PANELS

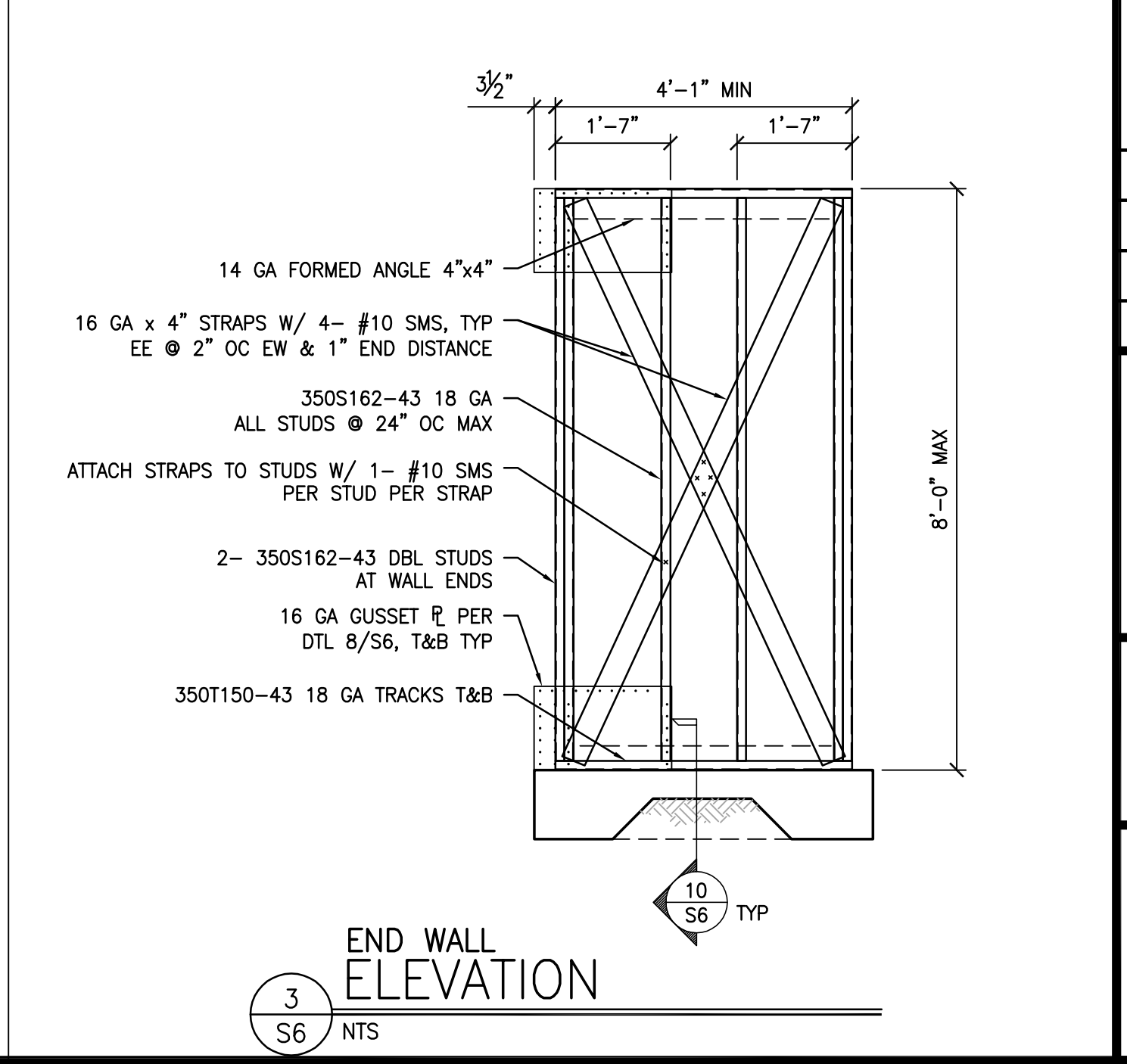
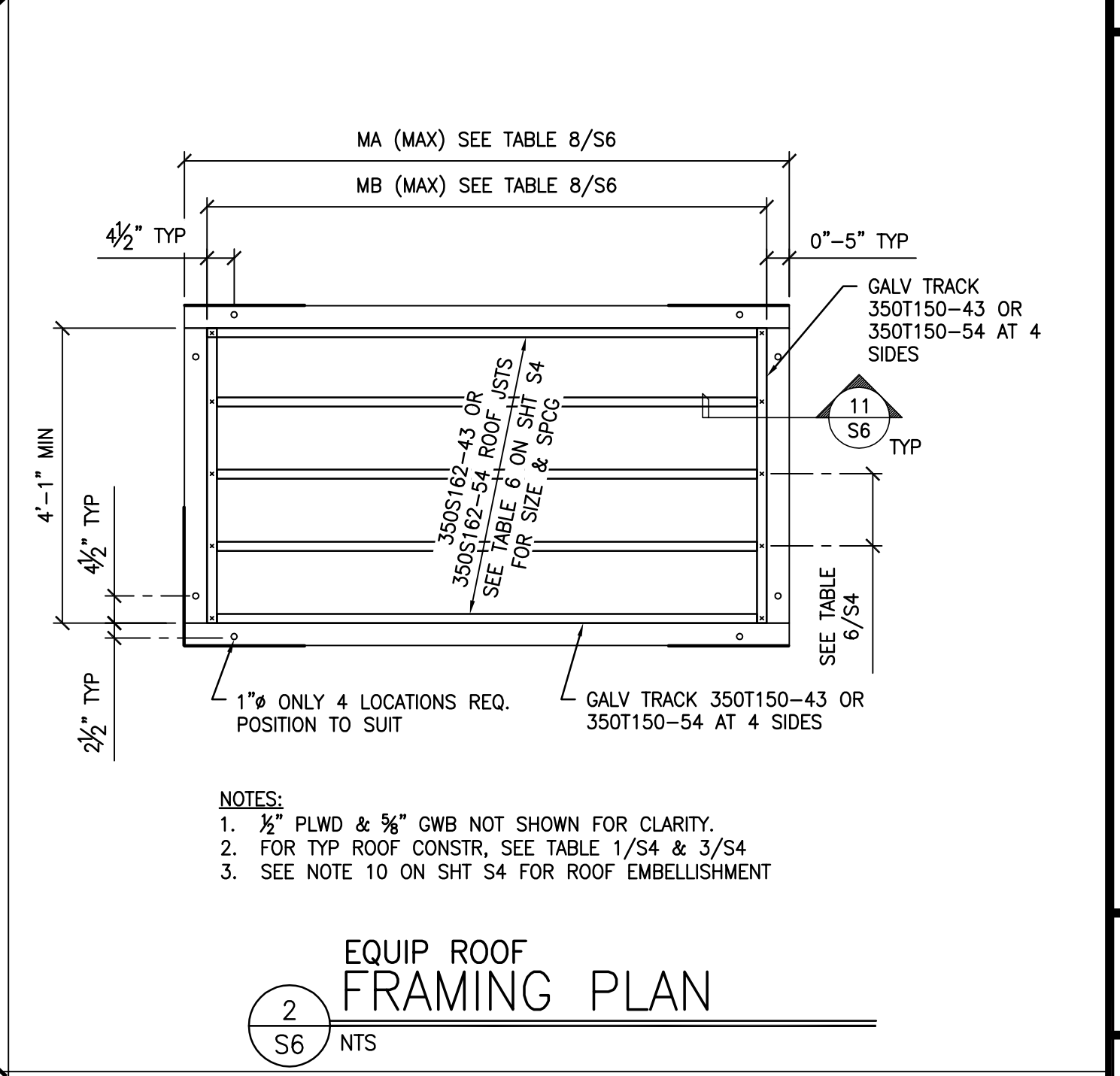
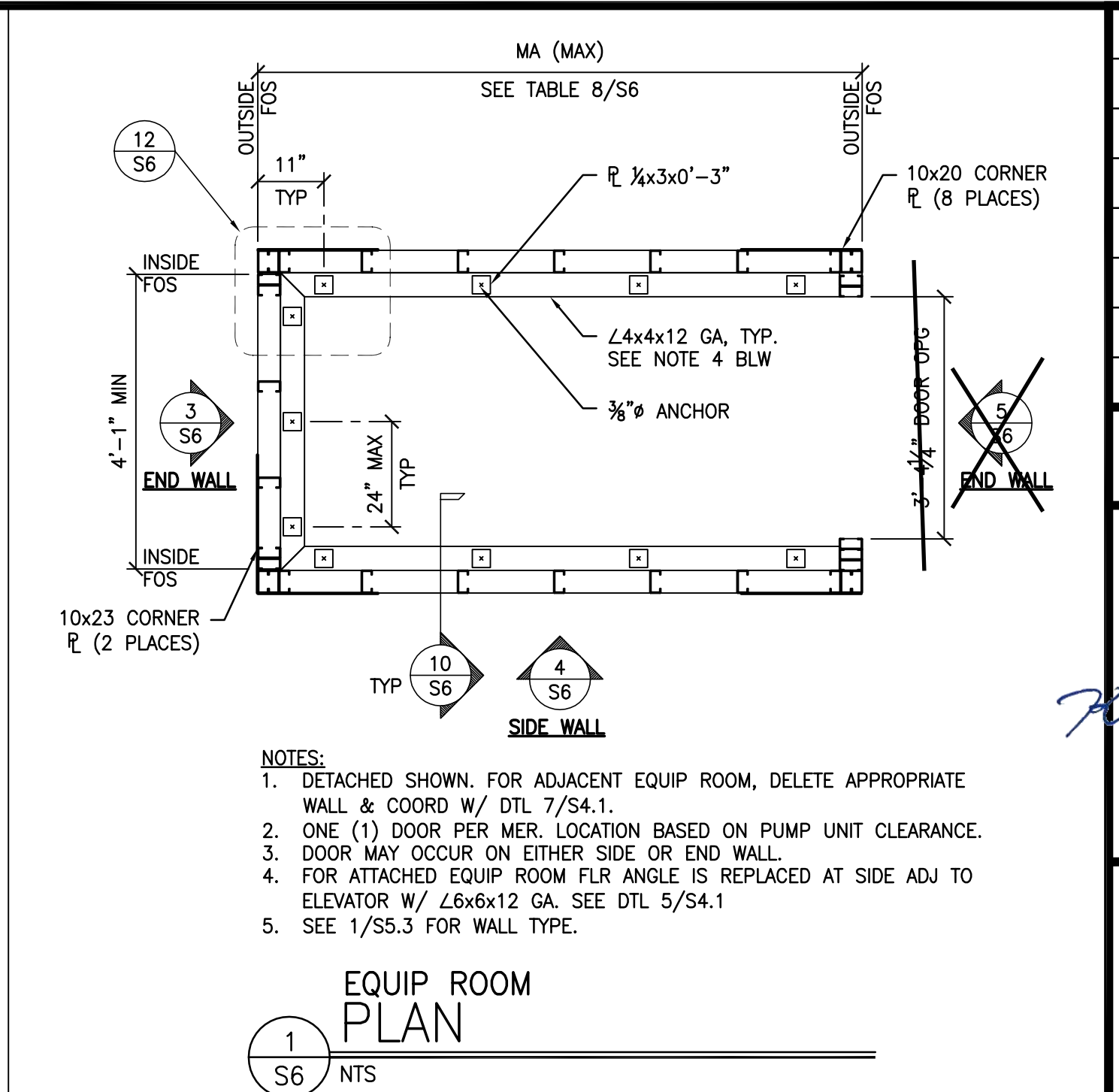
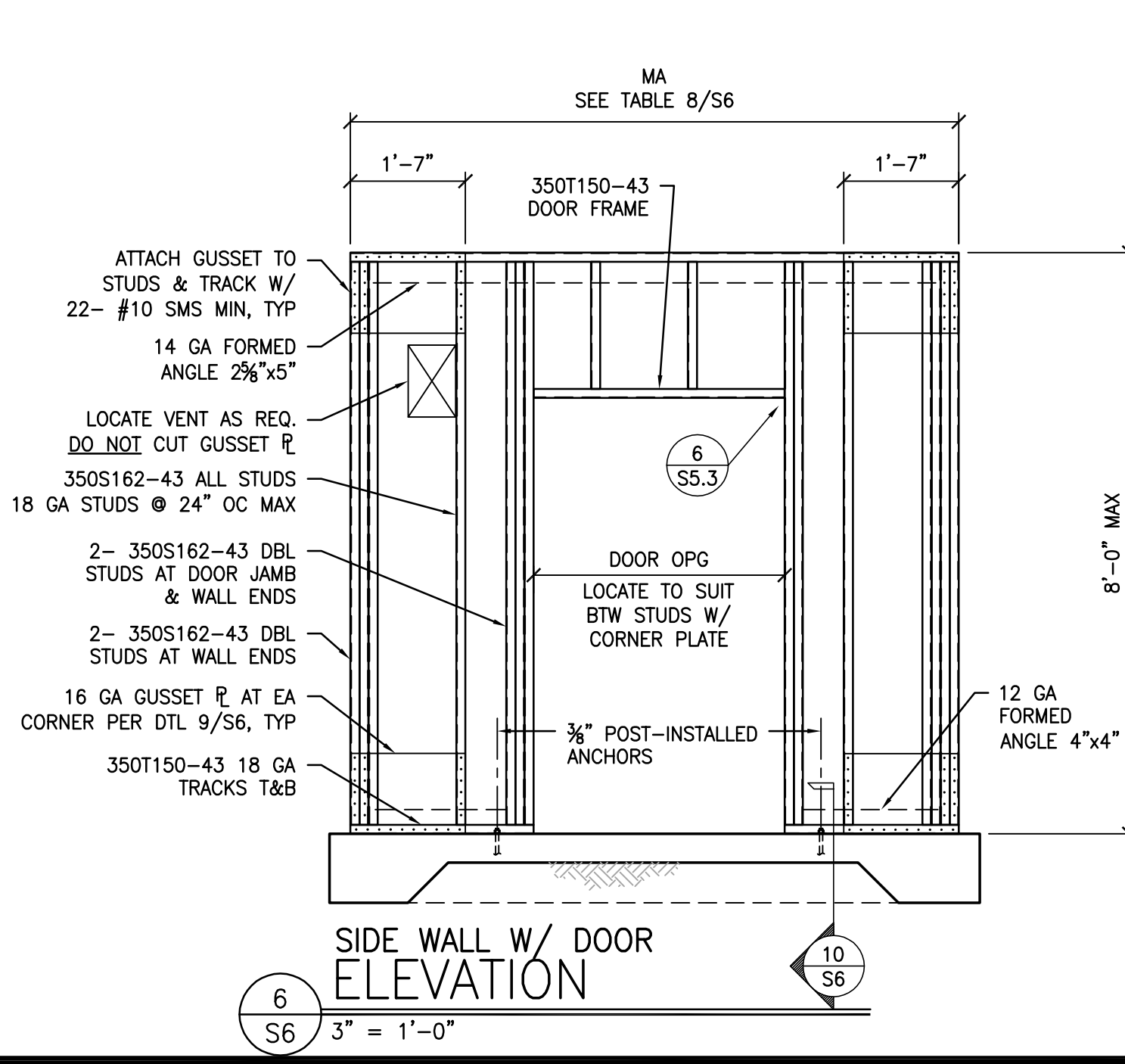
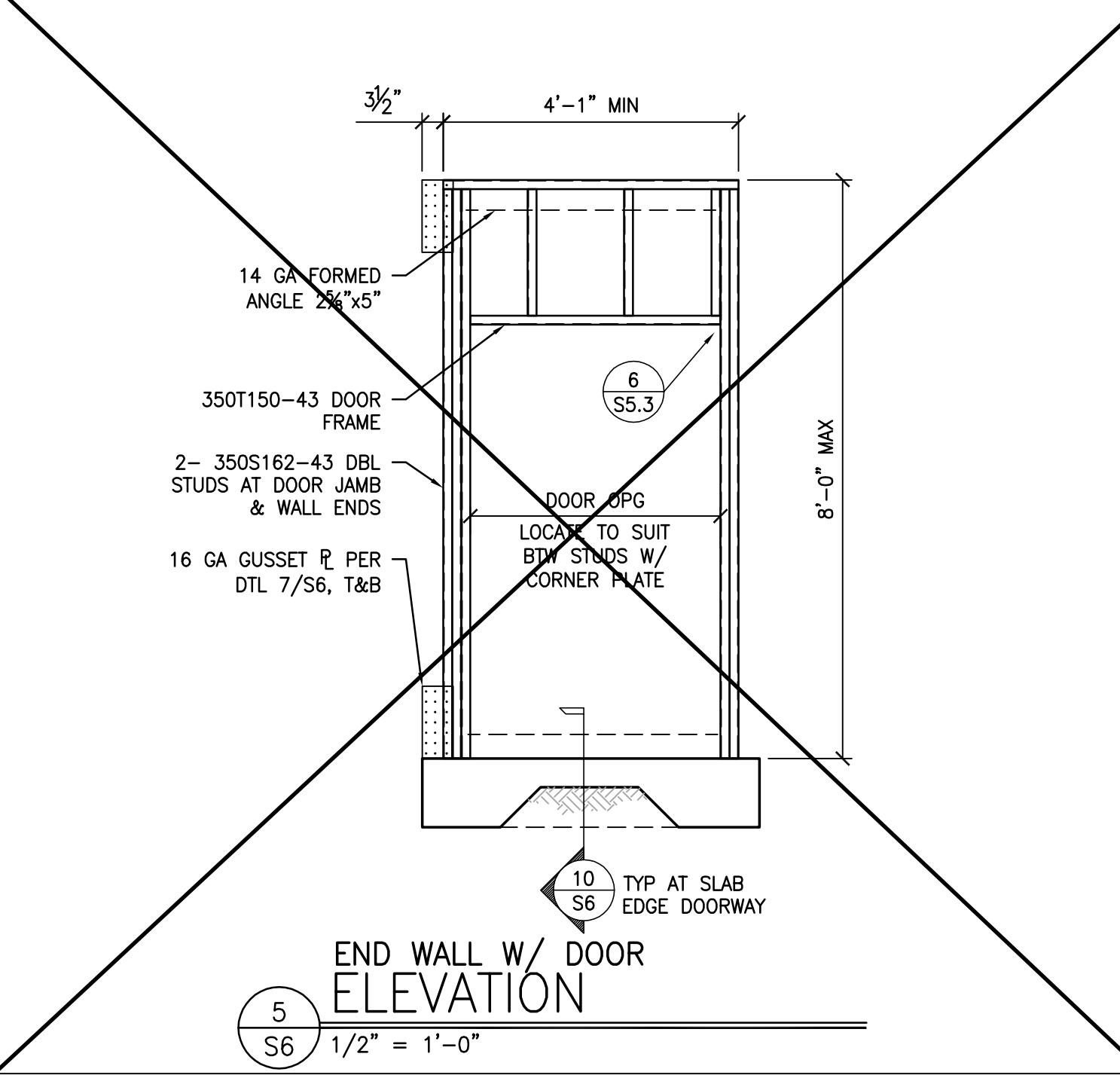
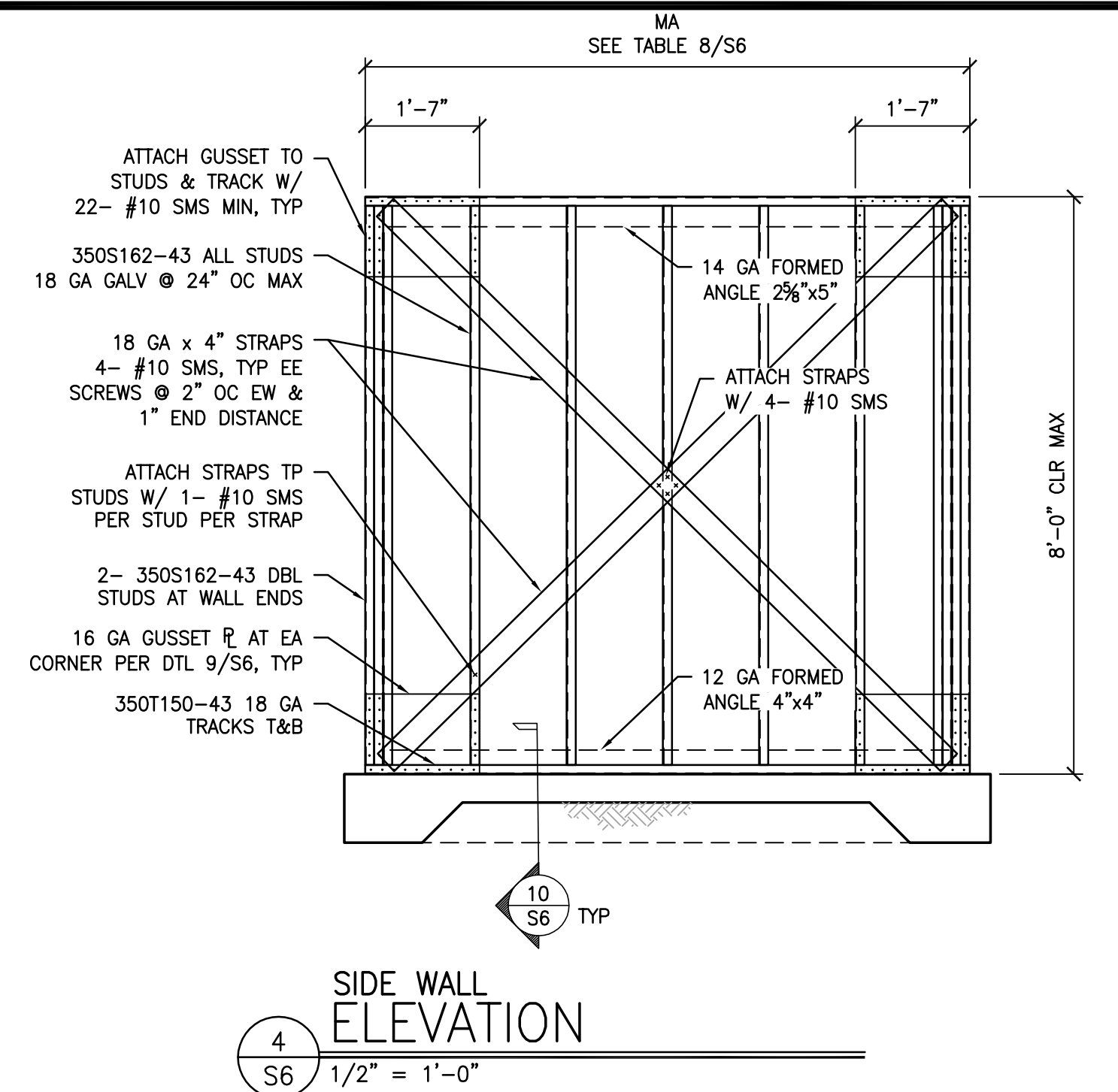
SHEET NO:
S5.3

L:\Users\k16093 - MEW - 2016 - PC-MEM\2016 - PC-MEM\2018-04-30\pm Login\mymasterform - Bim\cates1 - LT3cates6



NOTES:
1. FIRE-RETARDANT PLWD IS REQ FOR TYPE II CONSTR.
2. IF 15/32" CDX PLWD IS ATTACHED ON 3 SIDES (EXCEPT DOORWAY) DIRECTLY TO STUDS W/ #8 SMS @ 6" OC AT PLWD PANEL EDGES & 12" OC AT INTERMEDIATE MEMBERS, THEN FLAT STRAP BRG IS NOT REQ.

TABLE 8 EQUIP ROOM DIMS				
	SIDE	REAR (HW1)	REAR (HW2)	REAR (HW3)
MA (MAX)	7'-6 1/4"	8'-2 1/4"	9'-2 1/4"	9'-10 3/4"
MB	6'-6 3/4"	7'-6"	8'-6"	9'-2"



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S.E. PC APPROVAL

REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 1418
Structural Engineer
STATE OF CALIFORNIA
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ELEVATOR
MANUFACTURING

MODULAR ELEVATOR
MANUFACTURING, INC.
P.O. BOX 3998
CHATSWORTH, CA. 91313
800-755-9359

PRE-CHECK (PC) DOCUMENTS
2016 CBC CODE
A SEPARATE PROJECT APPLICATION FOR
CONSTRUCTION IS REQUIRED.

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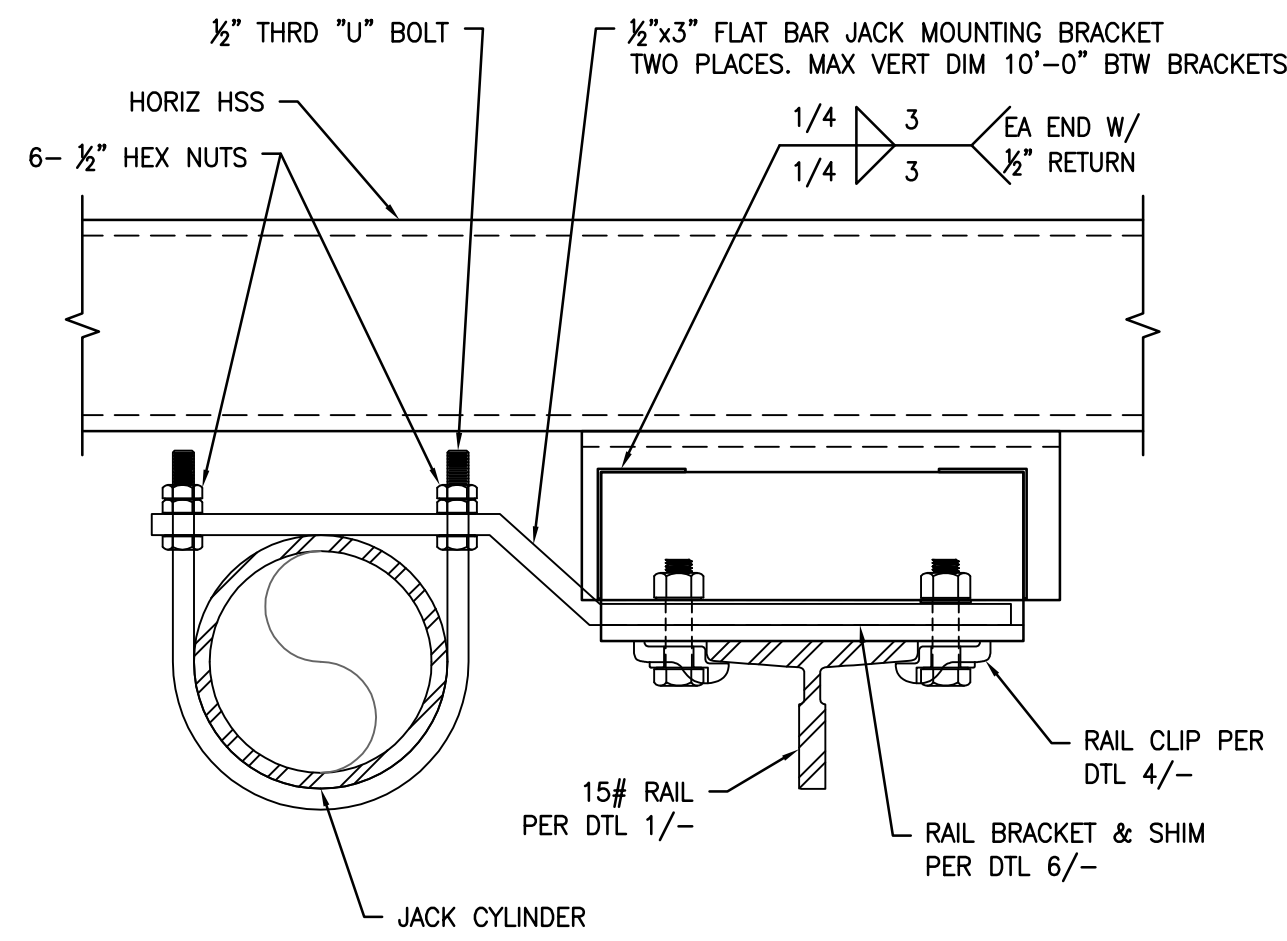
PROJECT NO: 16093
DATE: 10/19/2018
ENGINEERED BY: KAL
DRAWN BY: MTC

FILE NO. PC-MEM
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL: 03-118291
AC: MIP FLS: EB SS: MC/MK
DATE: 11/3/2018

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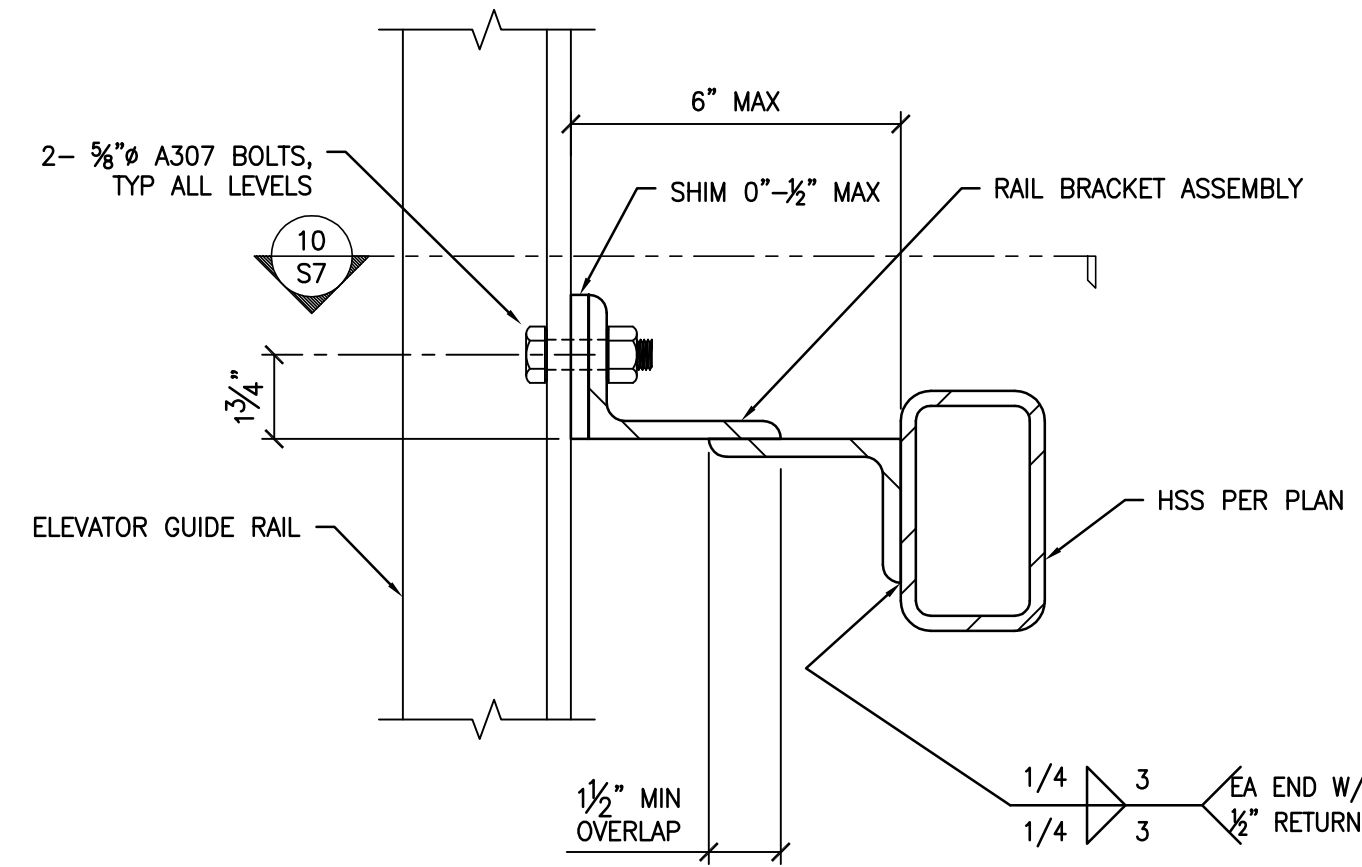
SHEET NAME:
**MACHINE ROOM FRAMING
PLAN & DETAILS
(PARTIAL MACHINE ROOM)**
SHEET NO:

S6



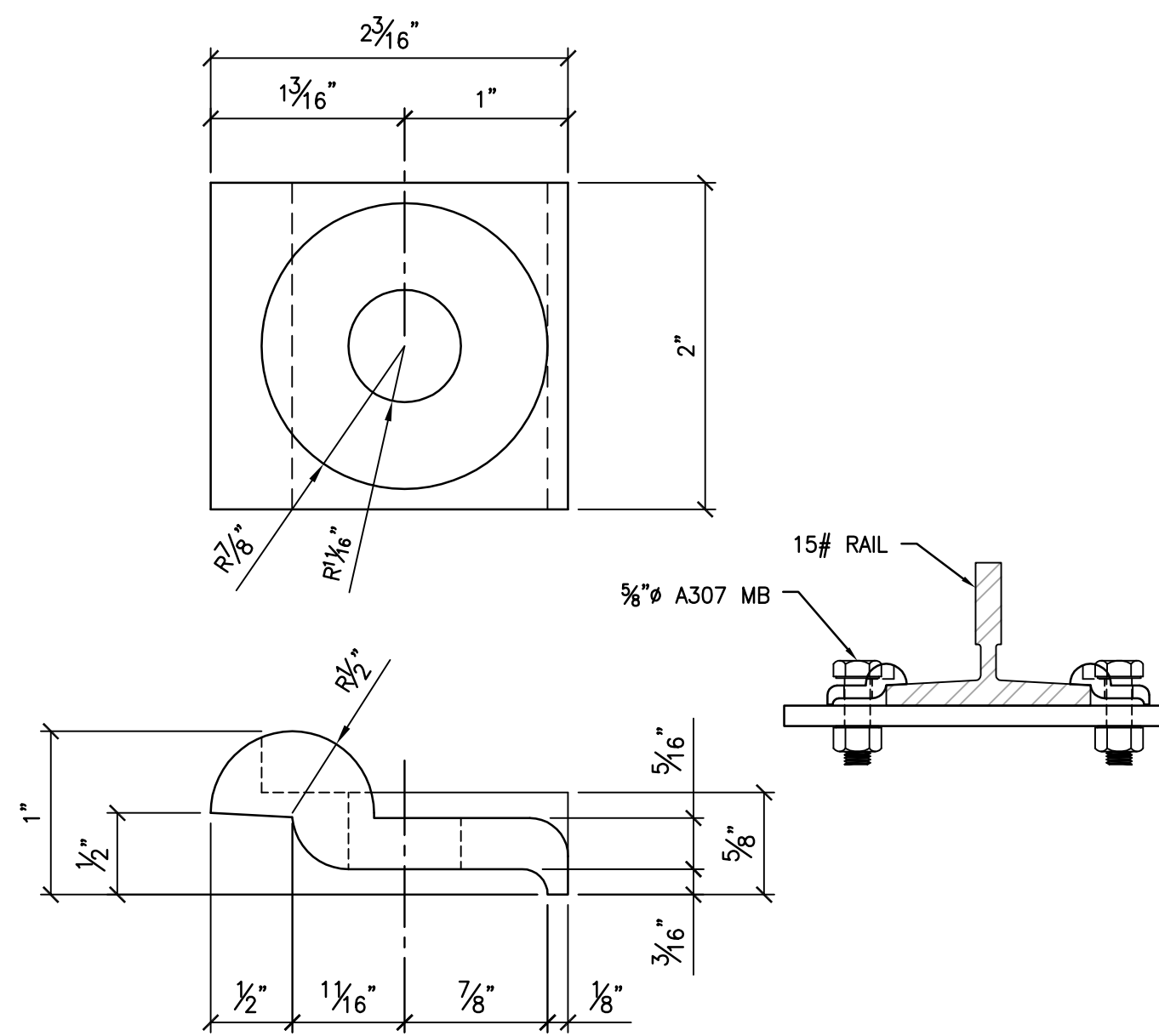
HOLELESS JACK BRACKET
DETAIL

10
S7
NTS



RAIL BRACKET CONN
DETAIL

7
S7
3" = 1'-0"

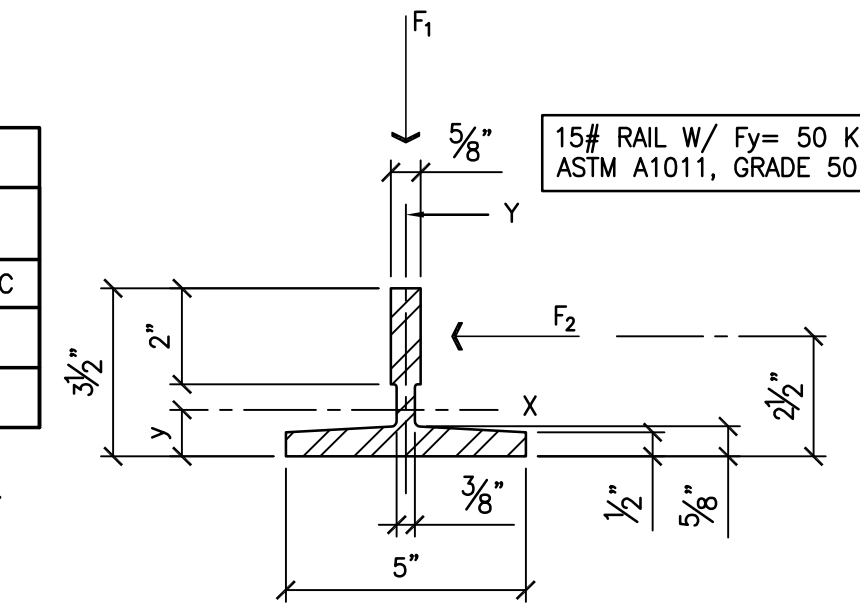


RAIL CLIP
DETAIL

4
S7
NTS

MAX SEISMIC REACTION		
ELEVATOR CAPACITY	NORMAL	SEISMIC
F1	287	2212
F2	140	962

NOTE: BASED UPON 15# RAILS.
MAX RAIL BRACKET SPCG = 9'-4".

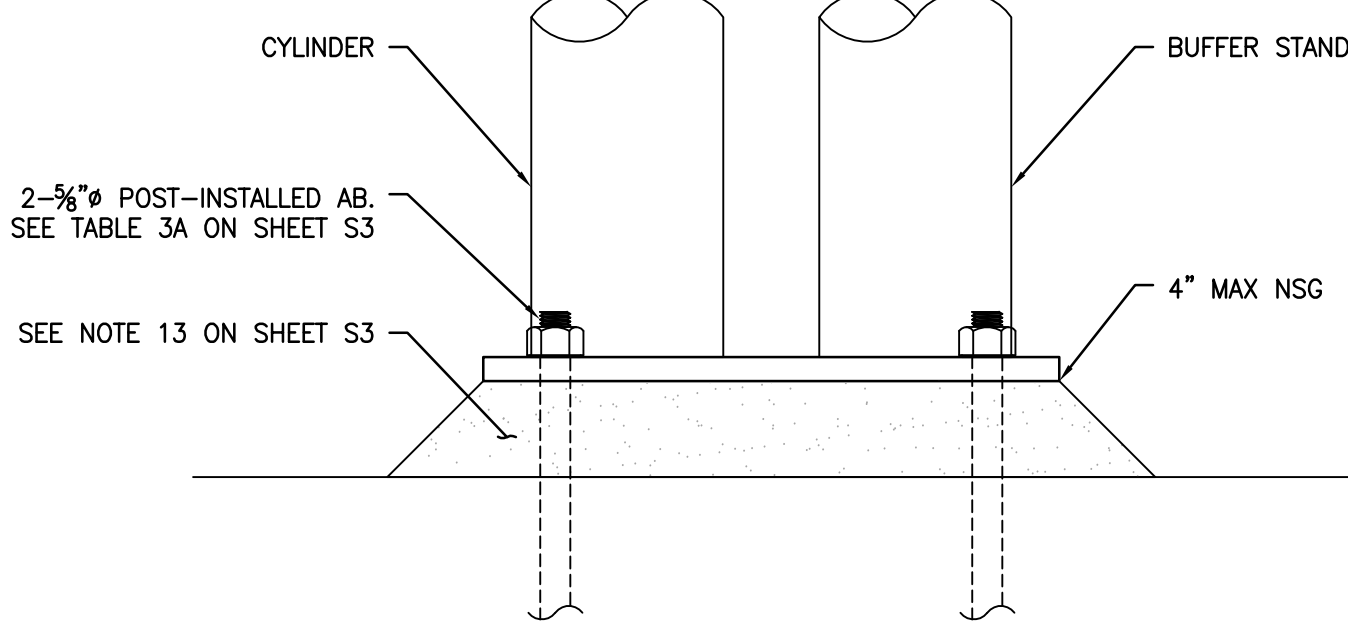


TYPE RAIL	AREA	AXIS X-X				AXIS Y-Y		
		DISTANCE TO BACK OF FLG	MOMENT OF INERTIA	SECTION MODULUS	RADIUS OF GYRATION	MOMENT OF INERTIA	SECTION MODULUS	RADIUS OF GYRATION
15#	4.44	y	I	s	r	I	s	r
		0.97	4.77	1.89	1.04	5.53	2.21	1.11

NOTE: MAX BRACKET SPCG 9'-4"

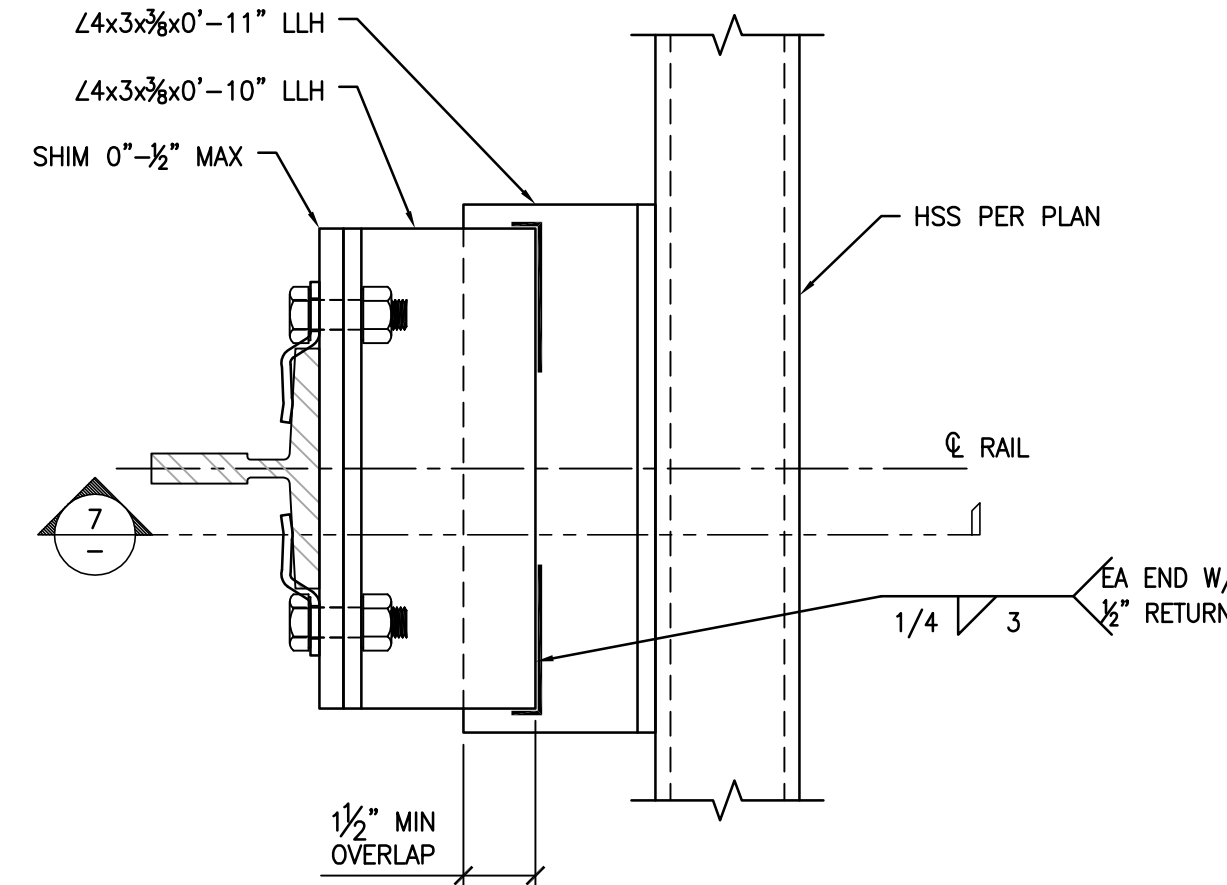
#15 RAIL SECTION
DETAIL

1
S7
3" = 1'-0"



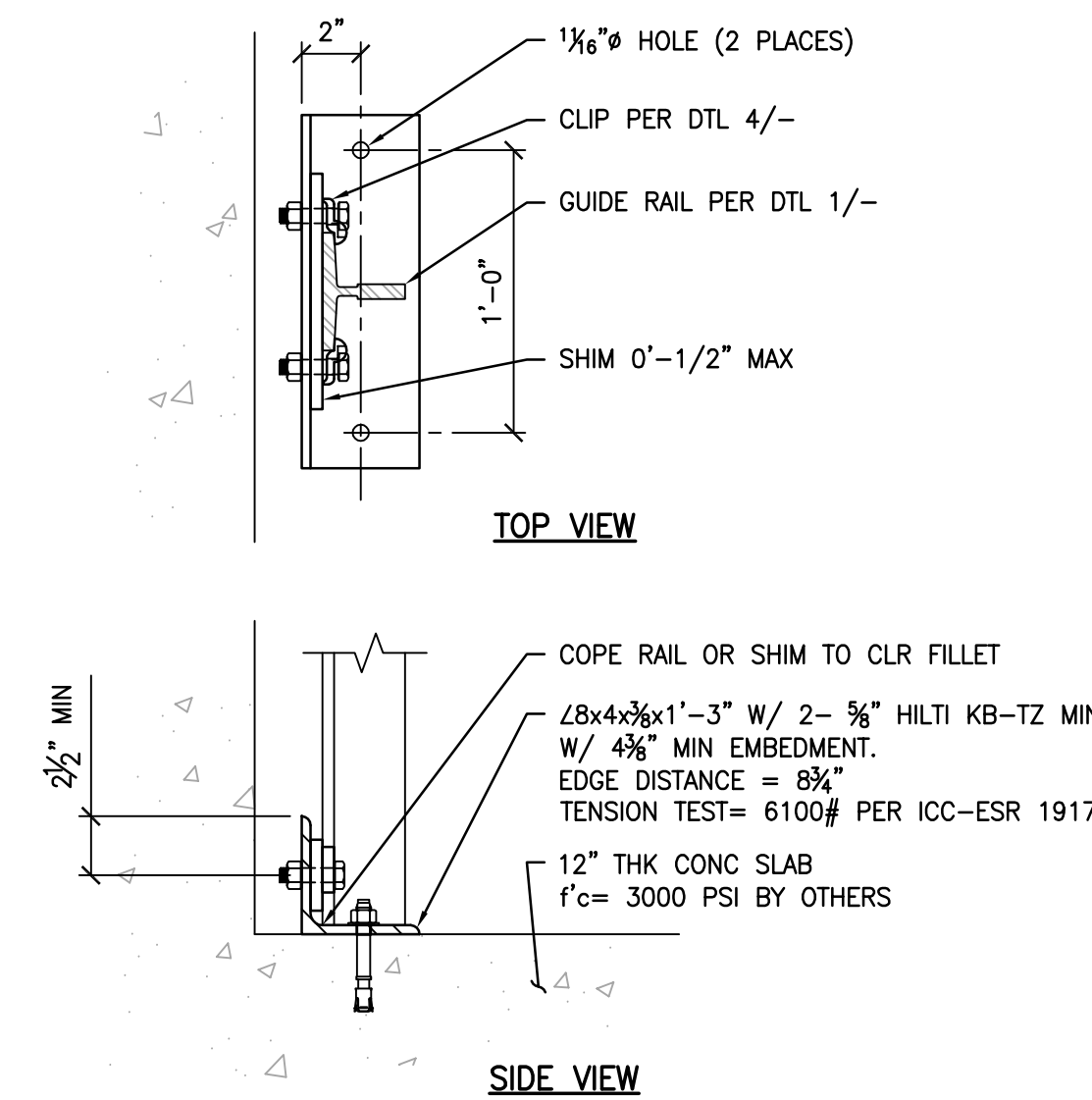
HOLELESS JACK UNIT TO GROUND CONNECTION
DETAIL

11
S7
NTS



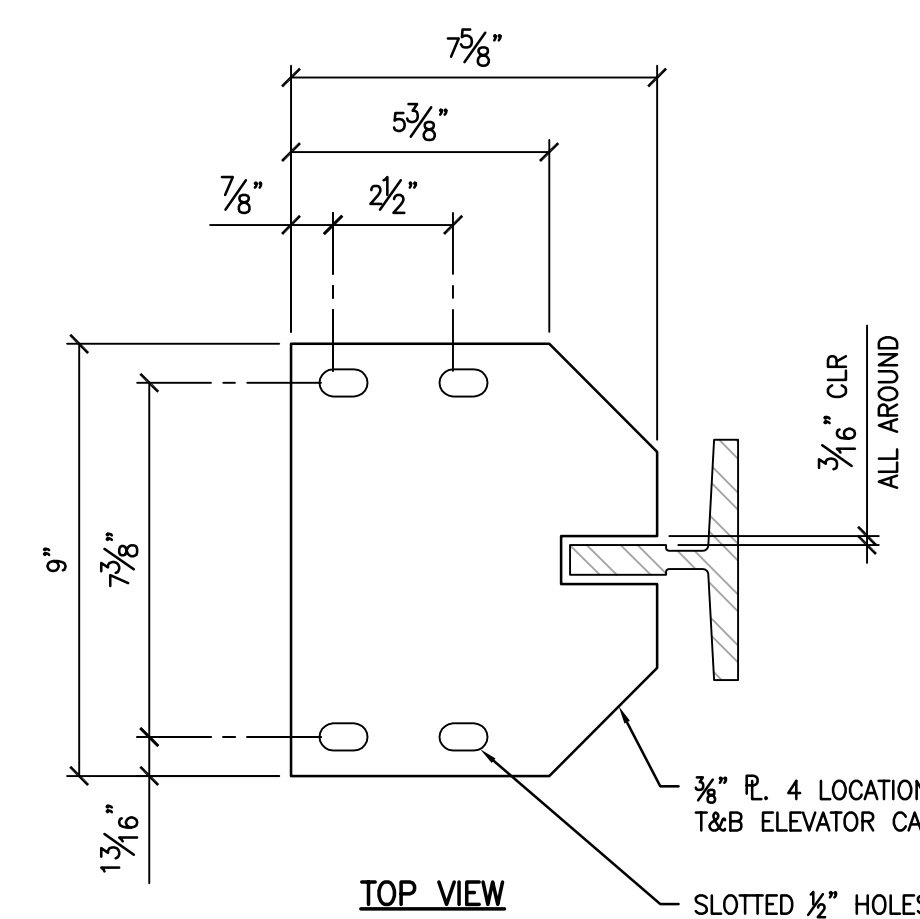
RAIL BRACKET CONN
DETAIL

8
S7
3" = 1'-0"



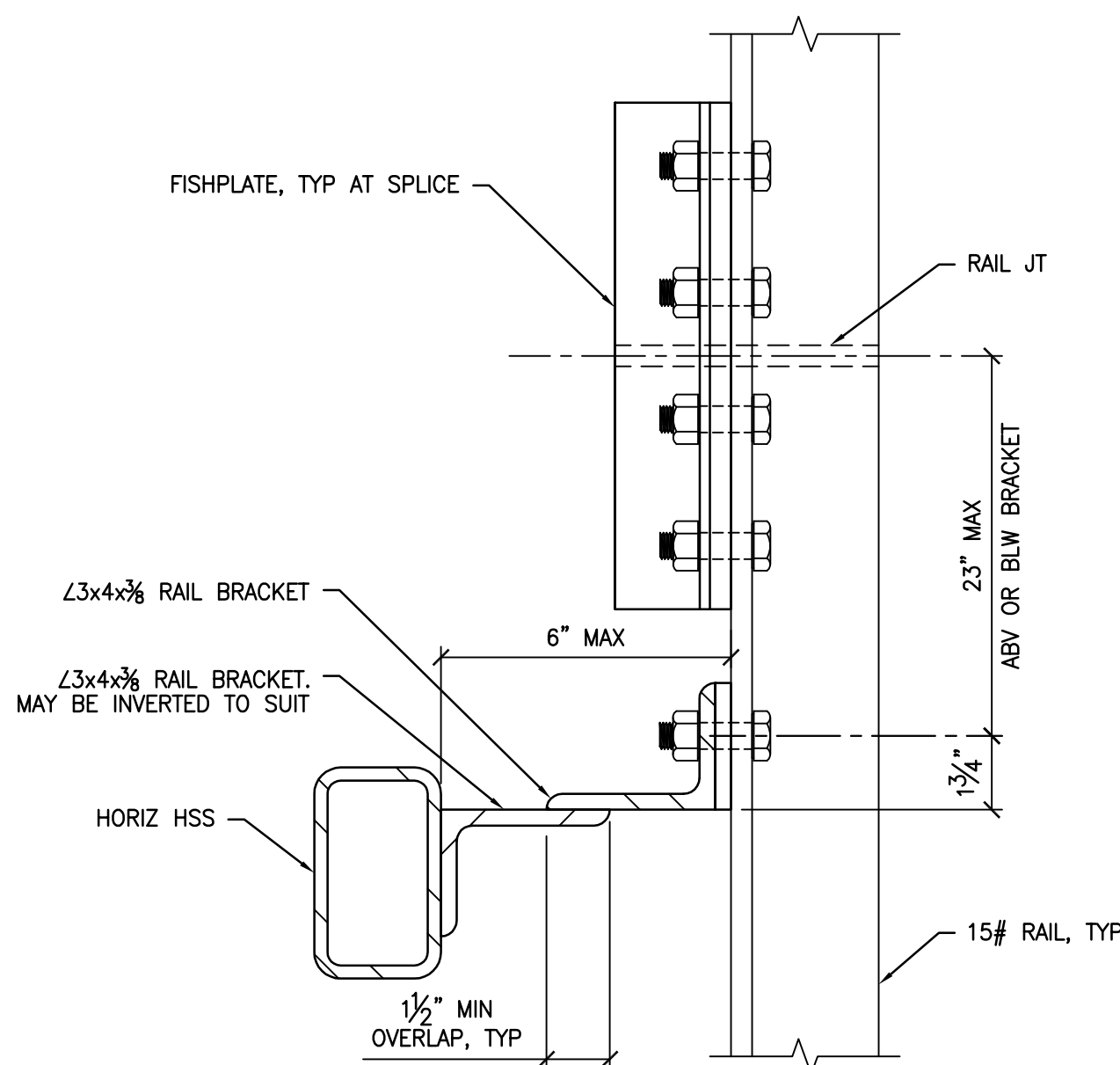
OPTIONAL FLR BRACKET
DETAIL

5
S7
1 1/2" = 1'-0"



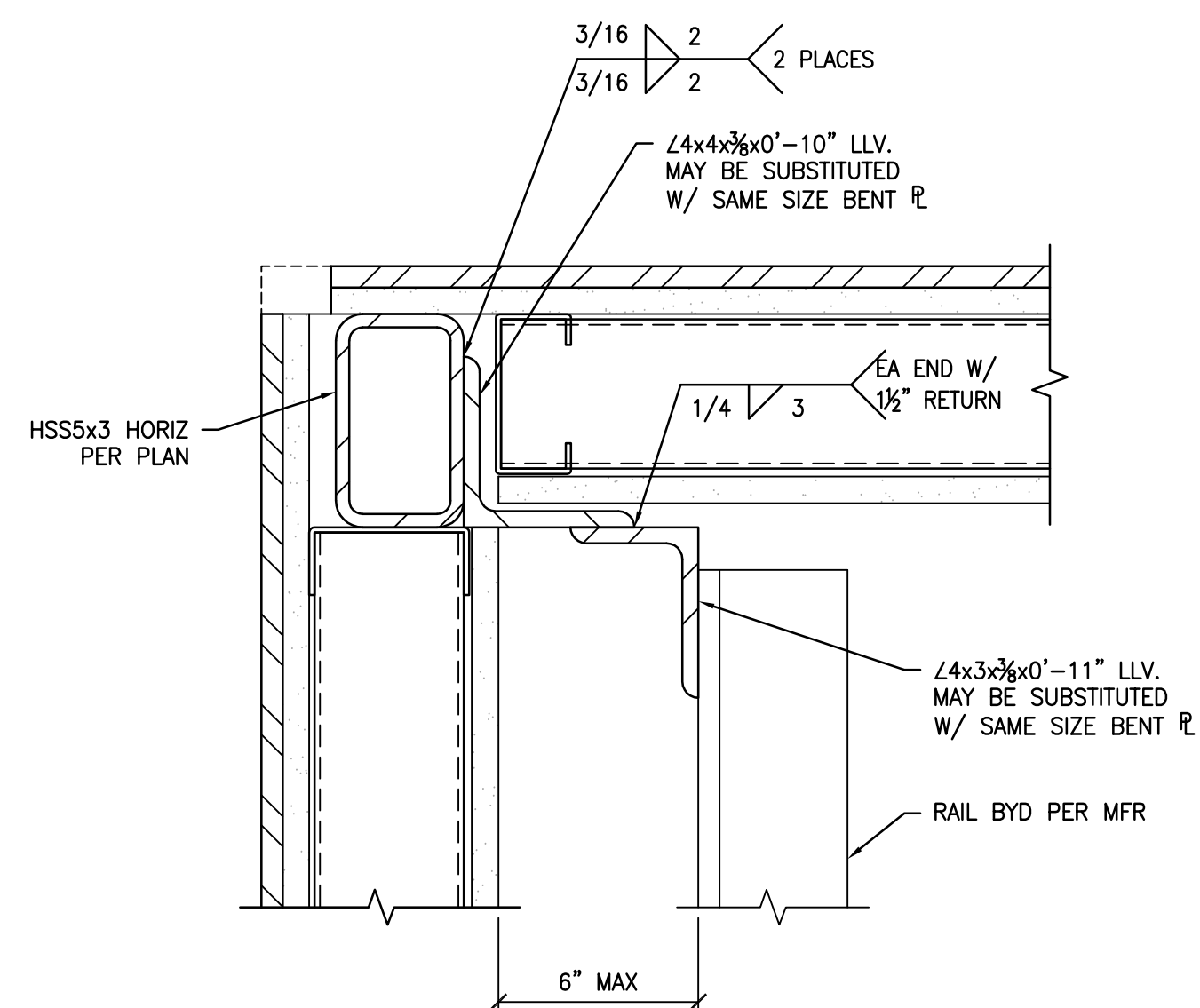
RAIL RETAINER PLATE
DETAIL

2
S7
3" = 1'-0"



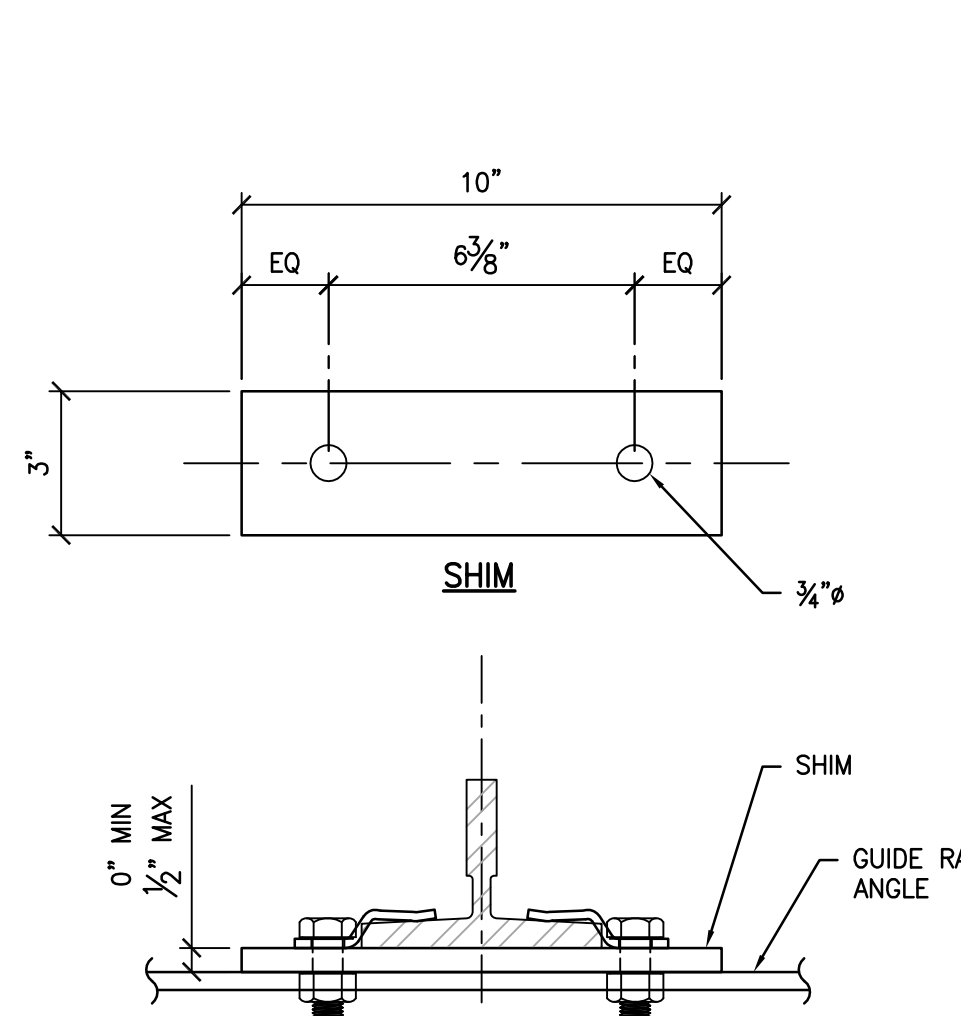
RAIL SPLICE
DETAIL

12
S7
3" = 1'-0"



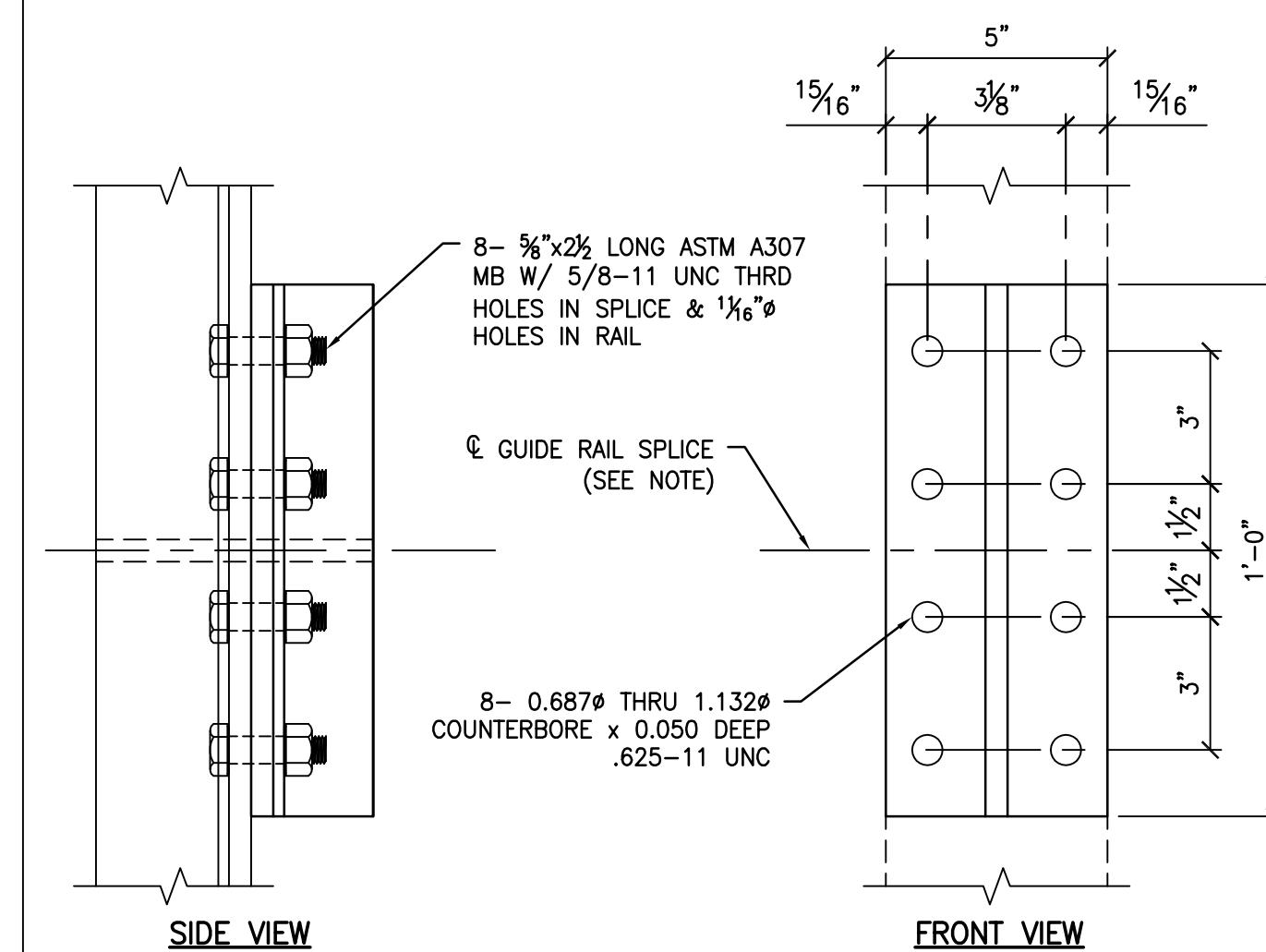
TOP RAIL BRACKET
DETAIL

9
S7
3" = 1'-0"



RAIL CLIP CONN
DETAIL

6
S7
3" = 1'-0"



FISHPLATE
DETAIL

3
S7
3" = 1'-0"

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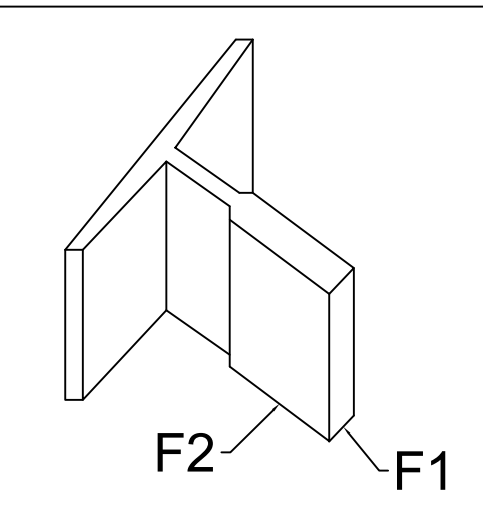
SHEET NAME:
RAIL & POWER UNIT
DETAILS

SHEET NO:

S7

THE FOLLOWING REQUIREMENTS ARE TO BE PROVIDED BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED :

- Setting of anchor bolts and sleeves, plumb and level GC MUST utilize the setting template provided by Elevator Contractor. GC must insure that anchor bolts and sleeves are properly secured to avoid movement during concrete pour, are clean of all debris prior to setting of the hoistway, and are positioned as per plans and verified.
- Any concrete coring, if required, of the pit walls for feedline and electrical conduit penetrations. Coring to be performed AFTER hoistway is set in place. All water proofing.
- Any grouting of the sills or hoistway frames, if required.
- Machine room slab and foundation as required.
- All Electrical service to the elevator machine room. All electrical must comply with the current version of the California Electric Code (CEC) and / or the National Electric Code (NEC) as they apply for new elevator installations. GC shall provide the following:
 - Electrical service to the machine room and connection to the disconnect must be stubbed out in the proper location within machine room.
 - All electrical wiring, including low voltage wiring, within the machine room must be EMT or rigid conduit.
 - Electrical service to elevator motor as indicated on the elevator drawings. (See elevator layout drawings).
 - 110 V 20 amp dedicated service for elevator car
 - 110 V 20 amp dedicated service for the hoistway.
 - 110 V 20 amp dedicated service for machine room circuit
 - Dedicated telephone line to the machine room terminated at a jack, and live. (Ring down features are not acceptable.) GC is responsible for submitting the telephone number to be programmed into elevator telephone system, and the actual telephone number of the dedicated telephone line for the elevator.
 - Smoke detector in machine room with one set of normally closed dry contacts for the elevator.
 - Fire signaling device at each landing with one set of normally closed dry contacts (egress floor must be "closed" contacts) for the elevator, wired back to the machine room and must be operational.
 - Grounding of the hoistway and equipment room structures including grounding and lightening rods.
- The machine room cannot be used for the storage of ANY items.
- All trenching from machine room to pit. Trench must be 18" - 24" wide. Trenching is required for ALL remote machine room applications. All trenching must be done prior to the pouring of the machine room slab, piping will be run in trench from machine room location to outside of the pit wall and terminated until elevator is set. If elevator can be set prior to machine room pad being poured then full run can be completed in trench from hoistway to the machine room.
- Underground secondary pipe containment (double wall pipe) drainage point to be provided at point convenient to piping system and with services at that drainage point for leak detection devices. (If required.)
- Leak detection signaling device to be located within 10' of actual detection device. (If required.)
- All back filling. Back filling must be coordinated with the elevator contractor after all feedlines and conduits have been installed and tested.
- Access to the hoistway for other trades is not included. Stand-by time shall be considered an additional cost and billed at elevator rates.
- Electrical, plumbing or mechanical equipment may not be placed or run in the hoistway or machine room unless approved by Elevator Contractor.
- All inspections and fees for any government mandated factory inspections. Arrangements must be made prior to production commencement.
- GC shall be responsible for insuring that at time of delivery the site will be ready for setting of the elevator
 - All forms are removed from the pit
 - Pit dry.
 - Anchor bolts are clean and sleeves clear of debris.
 - Crane access available.
- GC to insure that pit is kept in a dry condition and structure is protected from inclement weather. Damaged materials and / or extra labor resulting from water shall be an extra cost to the elevator contract.
- Execution of crane company's waiver of liability forms.
- GC shall be responsible for any damage resulting from driving crane onto site, being set onto the site and during the placement of the elevator hoistway. This includes, but not limited to damage to: Trees, any concrete, curbs, driveways, walkways, lawns, asphalt, gates, fences and underground utilities.
- GC is responsible for appropriate site access for crane set and equipment delivery. A minimum 70-foot working radius is required for the crane. This includes but is not limited to:
 - Traffic control
 - Special provisions related to power lines, trees, occupied buildings, FAA permits, etc.
 - Any and all fencing removal and replacement for crane and truck access.
 - All removal must be done prior to arrival of crane on site.
 - Any and all vegetation removal or trimming for crane and truck access to elevator final destination.
 - Protection to all concrete, asphalt, curbs, walkways, building and underground structures, landscaping affected by crane and truck access and set.
- Unless otherwise noted: Crane set of elevator is based elevator set taking place mid-week mornings between 7:00 AM and 11:00 AM with 70-ton crane.
- Structural attachment of hoistway to existing structure. (if required)
- Removal of any obstructions necessary to install the equipment.
- Site gurney compliance via stairs or other means, if required.
- Installation of any building expansion joints, if required.
- For holed elevators only, the cost for drilling the wellhole is based upon four (4) hours of drilling; utilizing a standard truck mounted drilling rig and drilling through normal soil conditions. GC is responsible to provide free, unobstructed access to the site for our truck mounted drill rig. Free access means adequate and unrestricted access to the pit as required for the move-in of equipment for the purpose of drilling the cylinder well. Should driller encounter any obstruction, including but not limited to rock, boulder, water, quicksand or any other unusual soil condition or should driller be required to utilize any special tools, an additional cost will be added to the Contract. Any costs beyond drillers standard drilling shall be considered as a result of conditions beyond the reasonable control of Elevator Contractor. & those additional costs will be charged back to the GC. All drilling spoils are to be removed.
- Cab flooring and appropriate sub-flooring.
- Vent in machine room. Machine room temperature shall not be lower than 40 degrees Fahrenheit or exceed 104 degrees Fahrenheit or exceed manufacturer's recommendations.
- Venting of hoistway (only applicable for elevators with more than two stops).
- Sprinklers, or heat sensors in the machine room and / or hoistway (if required). If sprinklers are provided, the shunt trip devices must also be provided.
- Flashing between structures at locations including, but not limited to, the: pit, slab, modular equipment room roof and hoistway. These locations must be detailed and provided for water tightness.
- "ABC" type fire extinguisher in machine room.
- Exterior finish of the hoistway and machine room.
- Exterior and interior painting or finishing.
- Parapets, downspouts, scuppers, embellishments as well as any other modifications beyond details shown on manufacture's shop drawings.
- Finished roofing.
- Verification of correctness of placement of elevator pit is by others. Elevator company is to install elevator in pit provided by others.



MAXIMUM SEISMIC REACTION		
ELEVATOR CAPACITY	4000 LBS. MAX	
	NORMAL	SEISMIC
F1	287	2212
F2	140	962
BASED UPON 15# RAILS GR 50.		
MAX RAIL BRACKET SPACING = 9'-4"		

MAX FORCES ON PIT FLOOR	
LOCATION	FORCE IN LBS.
AT JACK (BOTH)	13,740
AT EA. BUFFER	14,740

BUFFERS ARE LOCATED APPROX. 12" FROM ϕ OF JACK UNIT IN A LINE PARALLEL TO WIDTH OF HATCH

MAXIMUM ALLOWABLE SPECIFICATION & DATA

MODEL	ALL
CAPACITY (LBS)	4000
HOISTWAY MODEL	ALL
TYPE	PASSENGER
OPERATION	SIMPLEX COLLECTIVE
LOADING	CLASS A
POWER SUPPLY	208 - 480 VOLTS / 3 PH / 60 HZ
MOTOR STARTER	VARIES
CONTROL TYPE	MICROPROCESSOR
DOOR OPERATOR	GAL MOVFR II
SPEED (FPM)	100 - 150 FPM
LANDINGS	2 TO 7
OPENINGS	4 FRONT / 3 REAR
TRAVEL	37'-9" MAX
CROSSHEAD	C5 X 9#
STILE	C8 X 11.5#
PLANK	C6 X 10.5#
GUIDE RAILS	15# (Fy= 50 KSI)
PLATFORM SIZE (INCHES)	92" X 72"
PLATFORM THICKNESS	3.25 INCHES
FINISHED FLOOR THICKNESS	0.25 INCHES
GUIDE SHOES	SLIDING SWIVEL
BUFFERS (QTY)	SPRING (2)
RATING:	10655 LBS EACH
STROKE:	2.5 INCHES
WEIGHTS	
HOISTWAY DOOR	275
CAR DOOR	275
PISTON WEIGHT (MAXIMUM)	1200
CAR WEIGHT	4000
GROSS WEIGHT (MAXIMUM)	9000
PRESSURE & FLOW	
STATIC PRESSURE (PSI)	235
WORKING PRESSURE : (PSI)	500
G.P.M.	124
PUMP UNIT	
MOTOR HP	50
MOTOR RPM	3400
FULL LOAD AMPS	150
STARTING AMPS	307
PUMP	TO SUIT
PUMP RPM	1800
VALVE	TO SUIT
VALVE VOLTAGE	120 VOLTS
FEED PIPE SIZE	SIZE TO SUIT. SCHED. 80
HYDRAULIC JACKS	
TYPE	ALL TYPES
PLUNGER O.D	6.5"
PLUNGER LENGTH	40'-0"
CYLINDER O.D.	8.63"
CYLINDER WALL THICKNESS	0.801"
CYLINDER LENGTH	40'-0"
TOP OVERTRAVEL	24"
BOTTOM OVERTRAVEL	11"
MACHINE ROOM	
POSITION	ATTACHED OR REMOTE
HOISTWAY ENTRANCE	
TYPE	SINGLE SLIDE OR 2 SPEED
SIZE	4'0" X 8'-0"
DOOR WEIGHT	275
CAB	
STYLE	METAL
HEIGHT	10'-0"
CAR DOOR OPERATION	SINGLE SLIDE OR 2 SPEED
SIGNALS	
HALL	PER CODE. SEE 7/VT4
CAR	PER CODE. SEE 8/VT4

NOTE: TABLE ABOVE SHOWS MAXIMUM VALUES ALLOWED. FOR SPECIFIC JOB VALUES SEE THE SD-1 SUBMITTAL DRAWING.

ALL SPECIFIED ITEMS SHOWN ARE RECOMMENDED AND "OR EQUAL" PRODUCTS MAY BE SUBSTITUTED.

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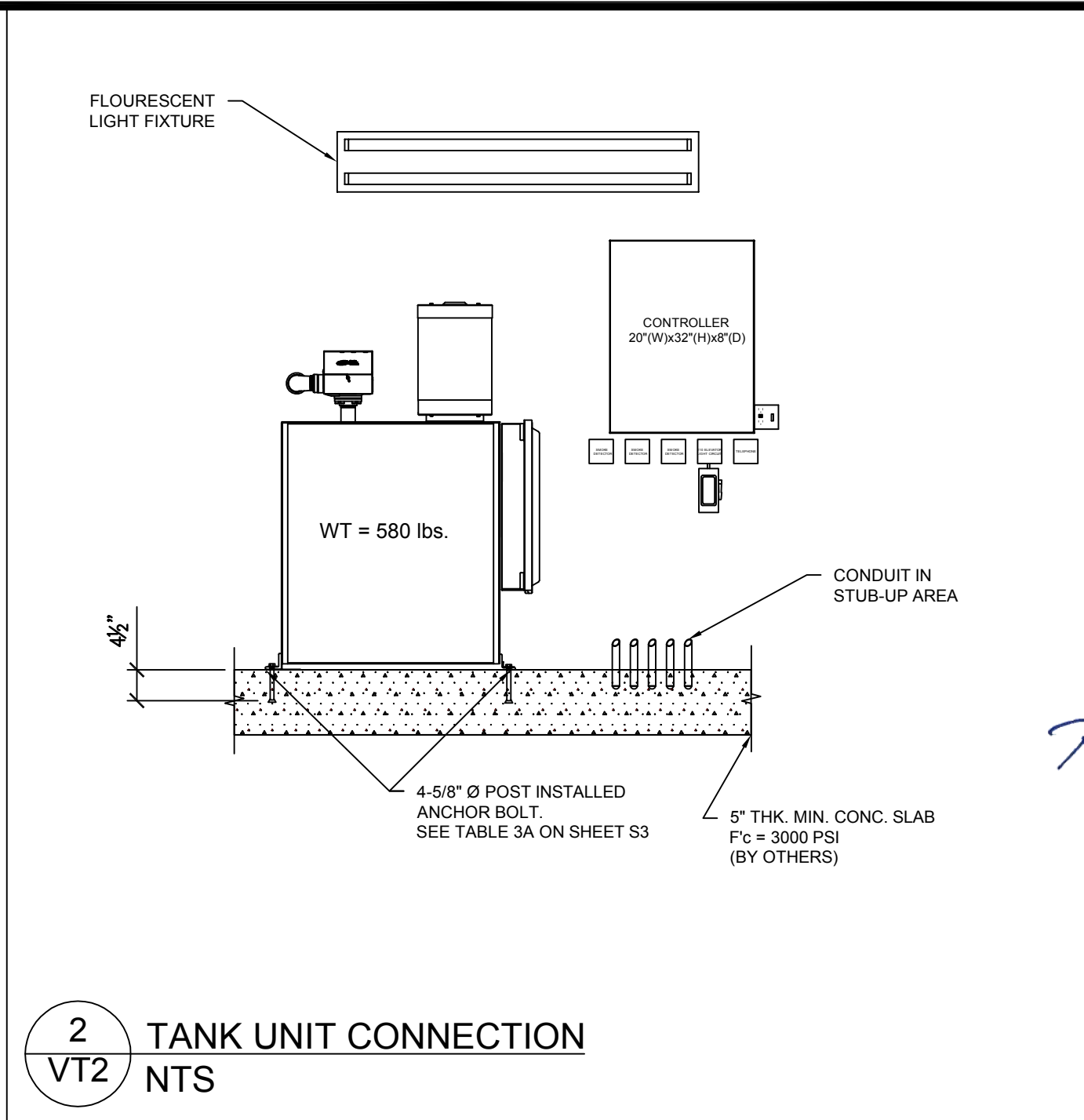
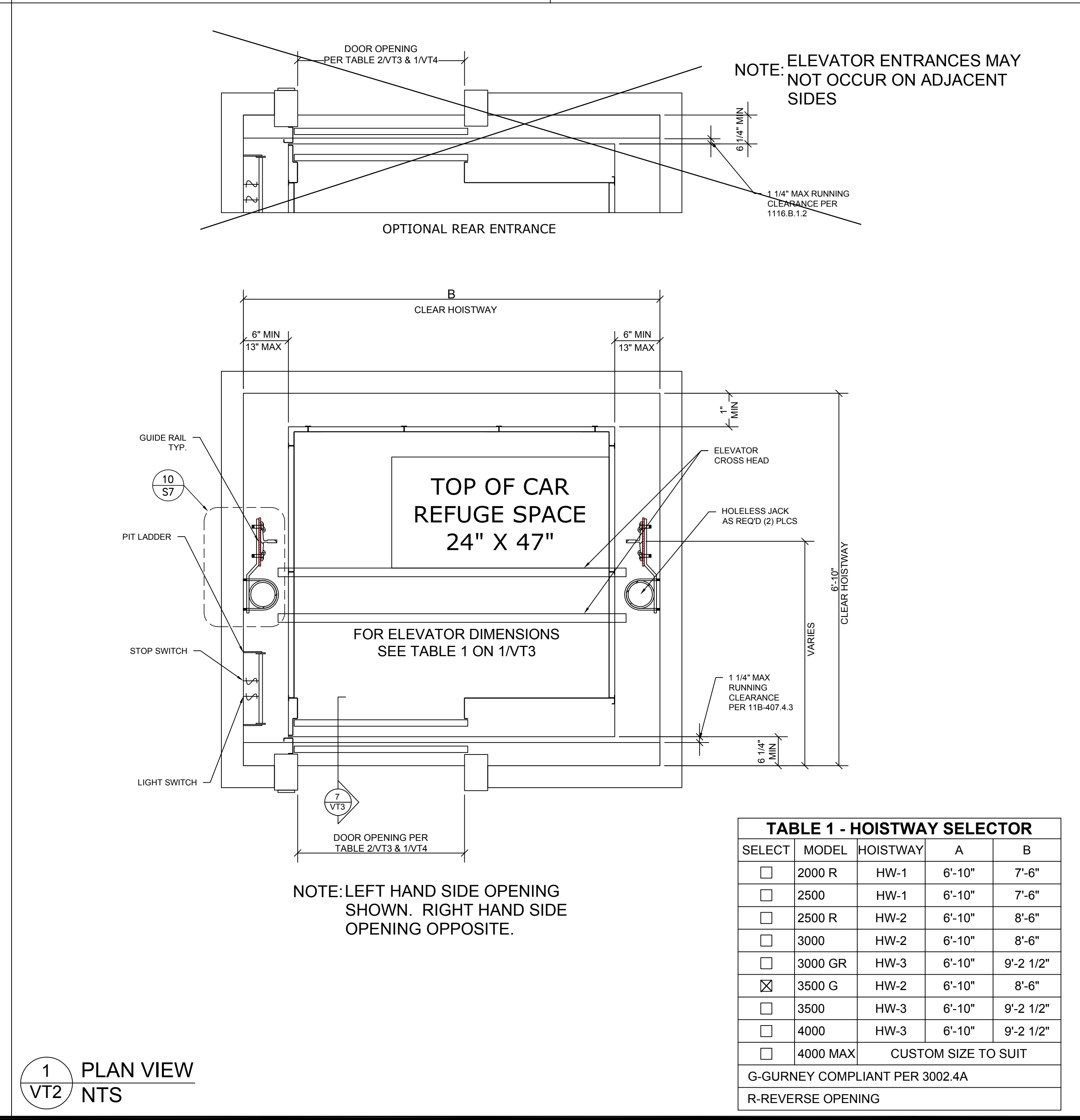
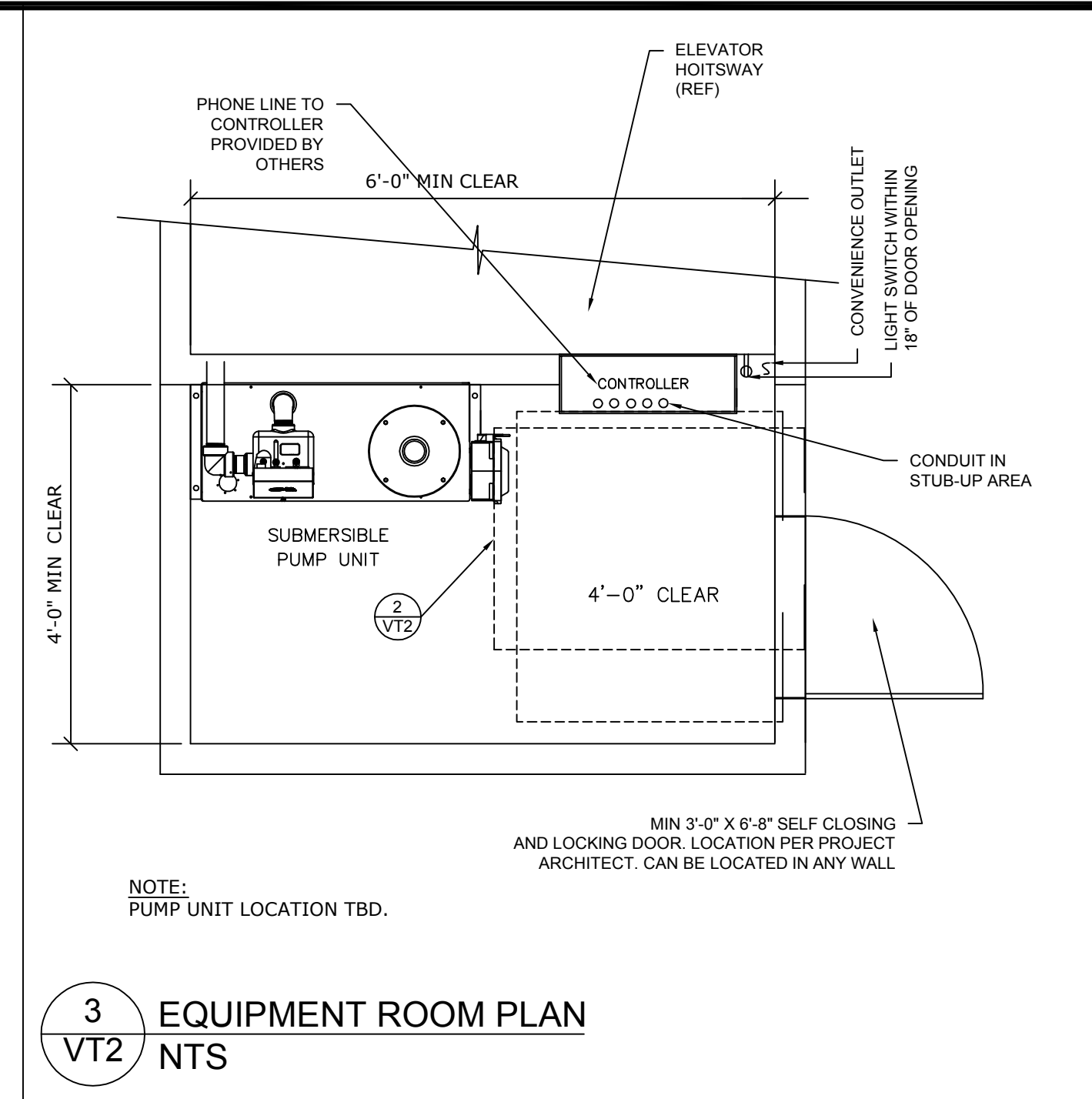
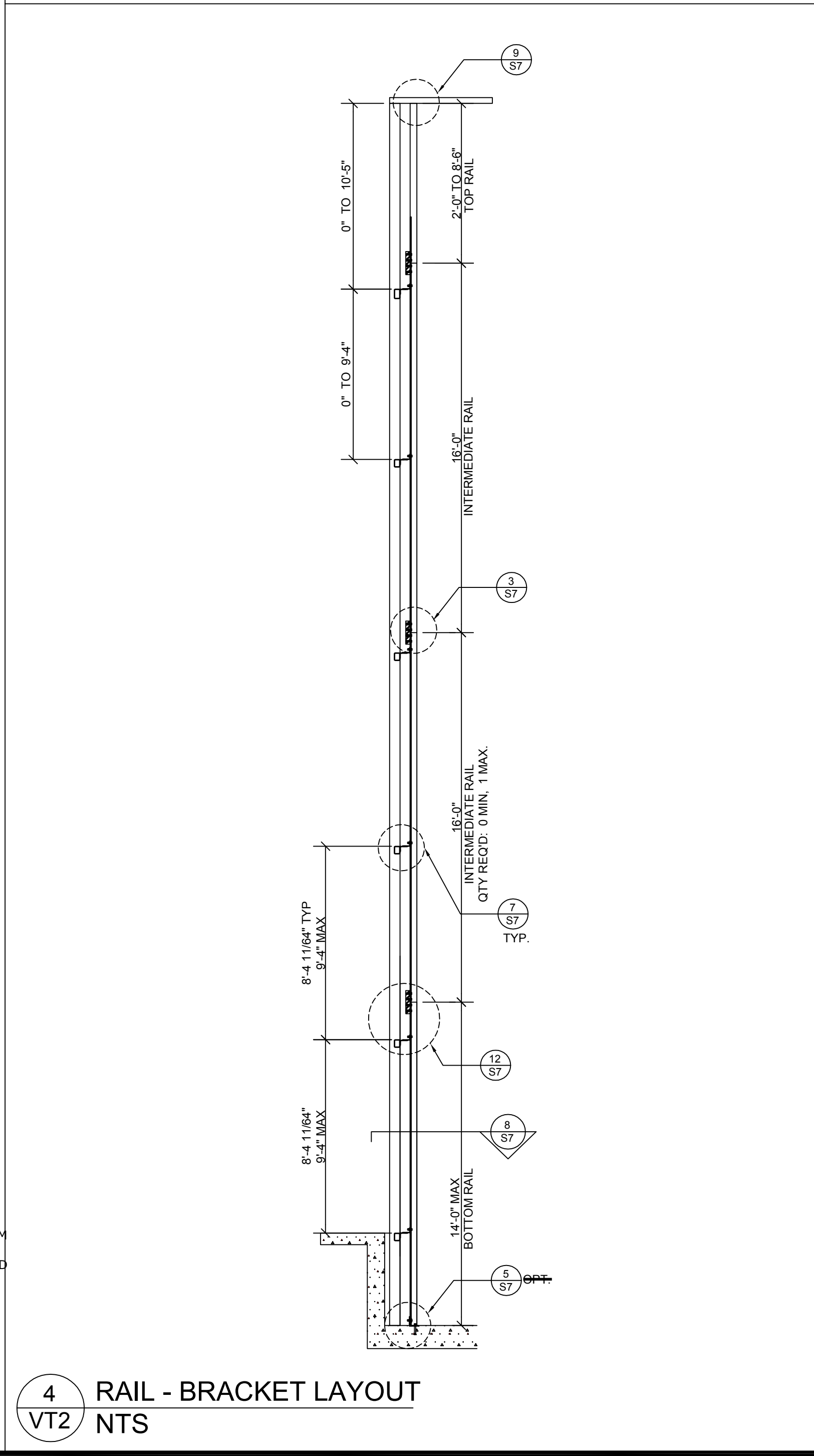
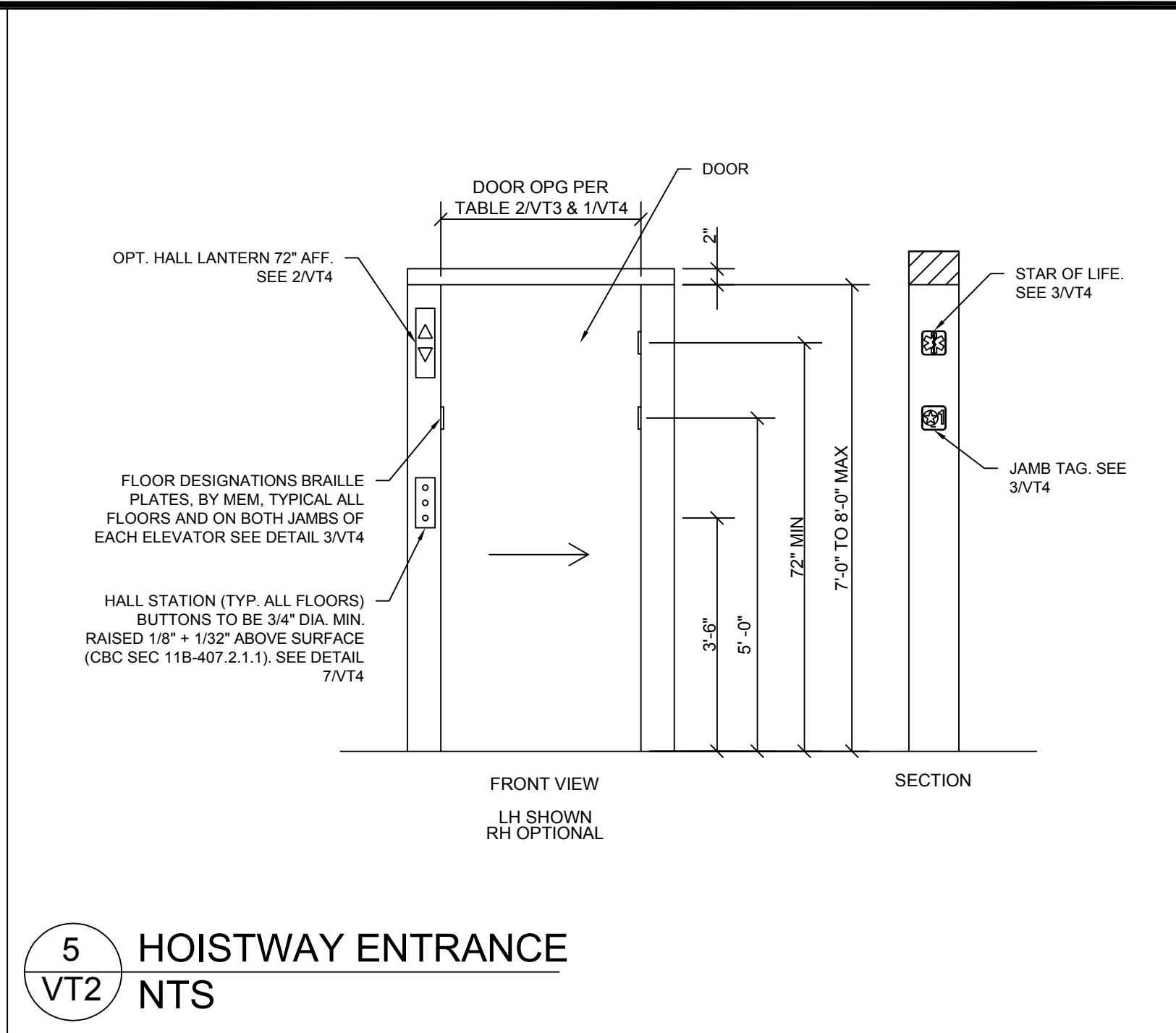
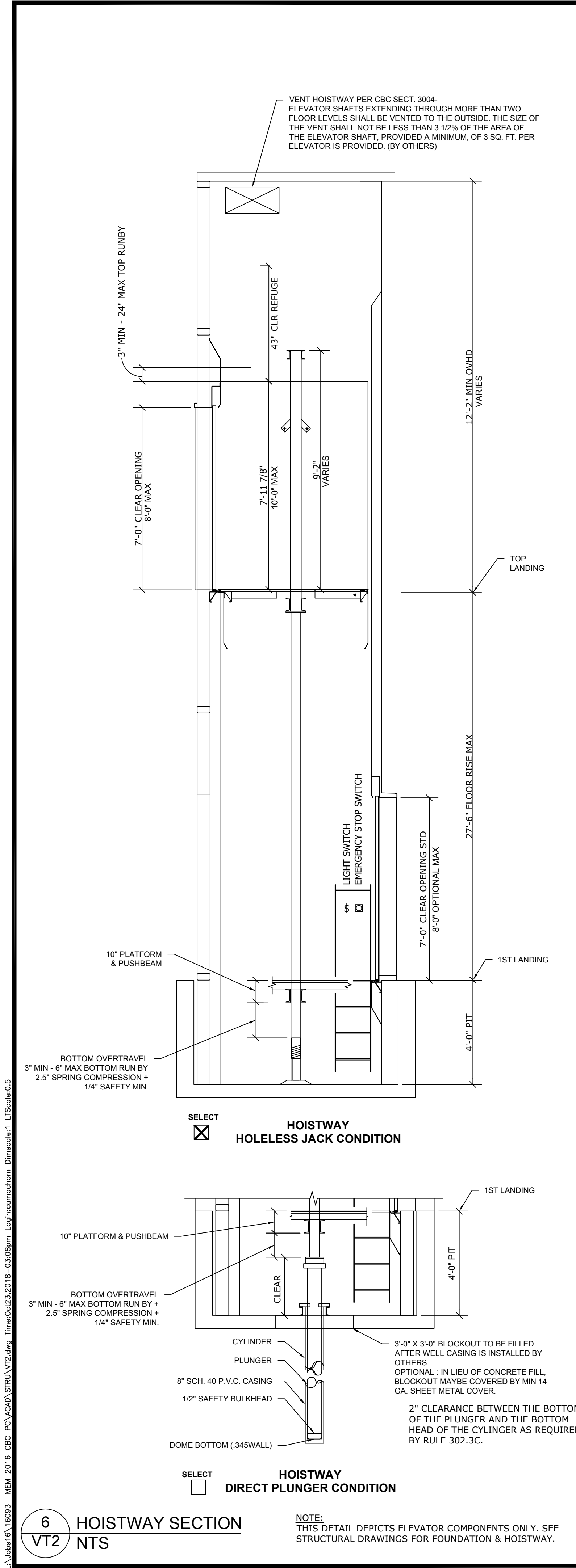
SHEET NAME:

ELEVATOR DATA

SHEET NO:

VT1

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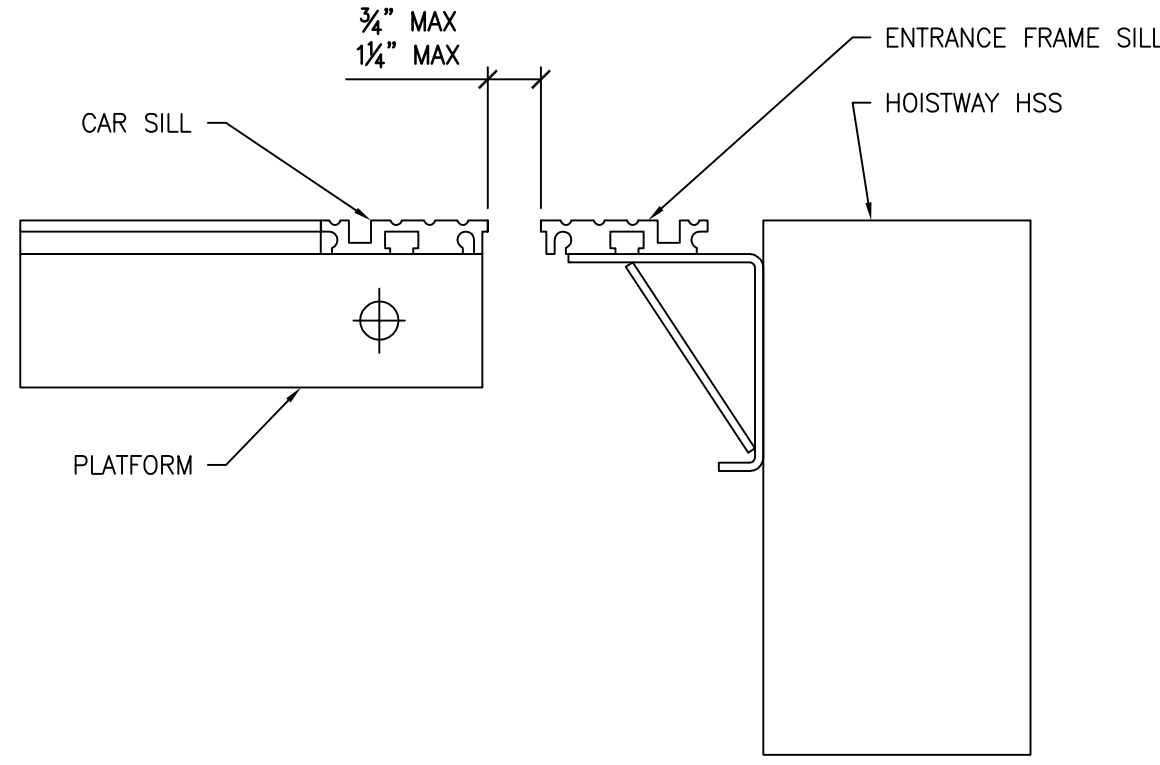
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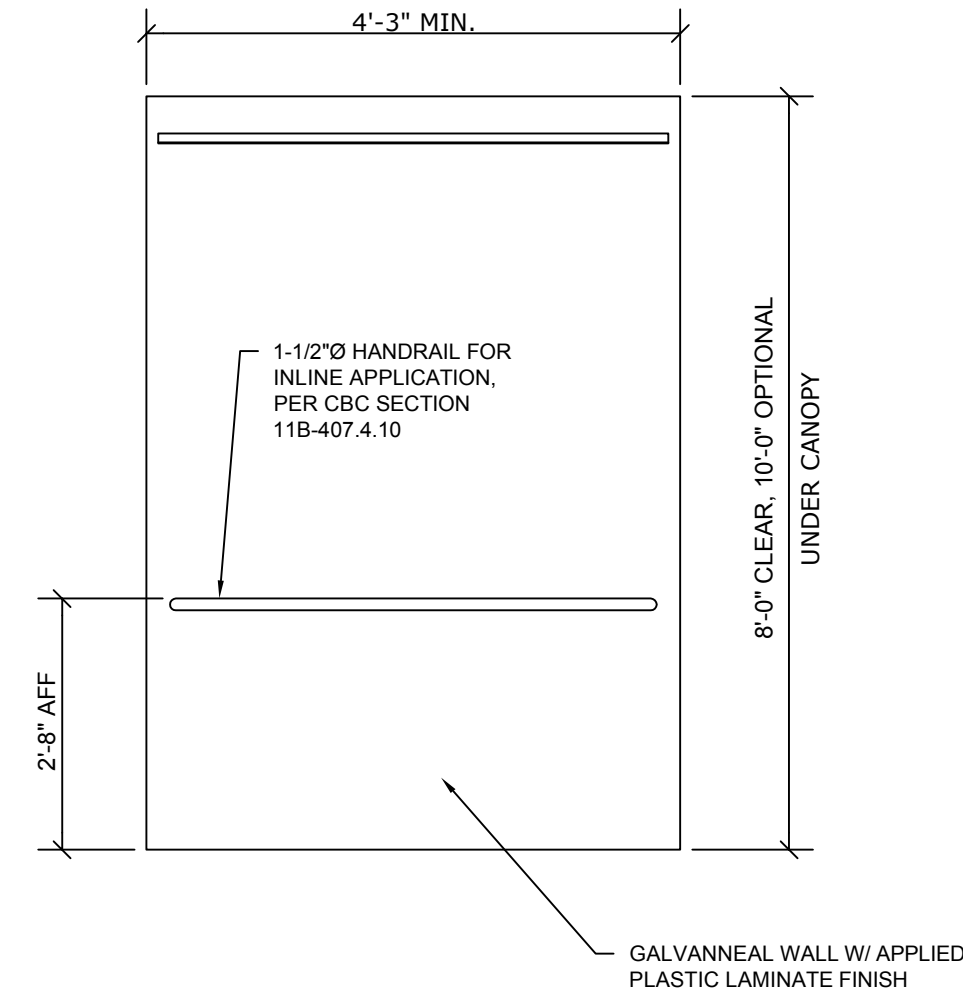
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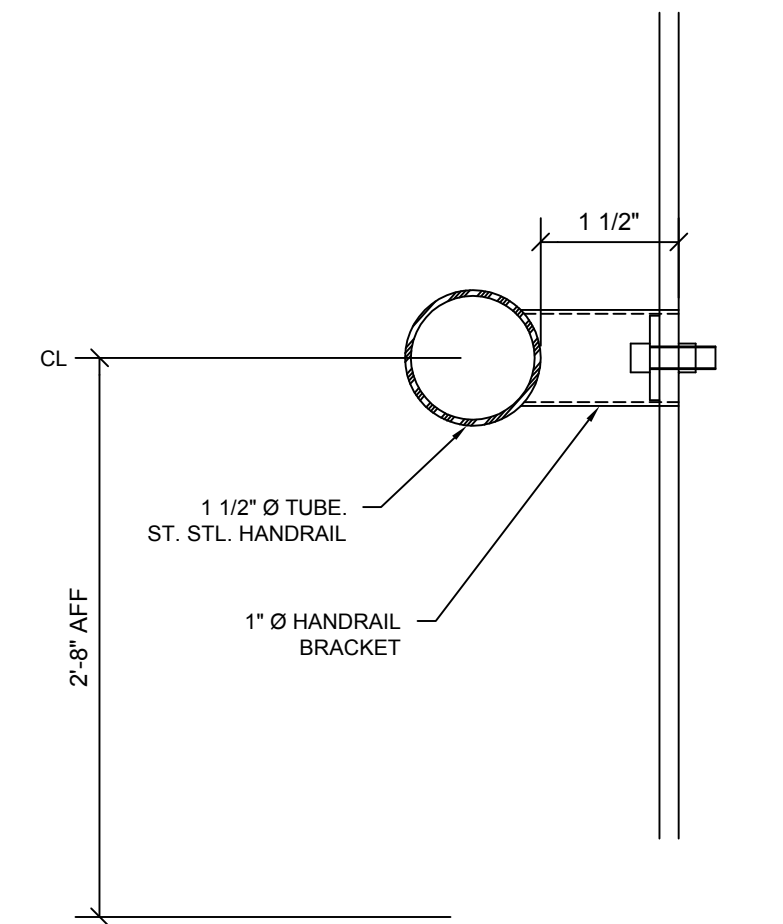
SHEET NAME:
**ELEVATOR LAYOUT
(PARTIAL MACHINE
ROOM)**
SHEET NO:
VT2



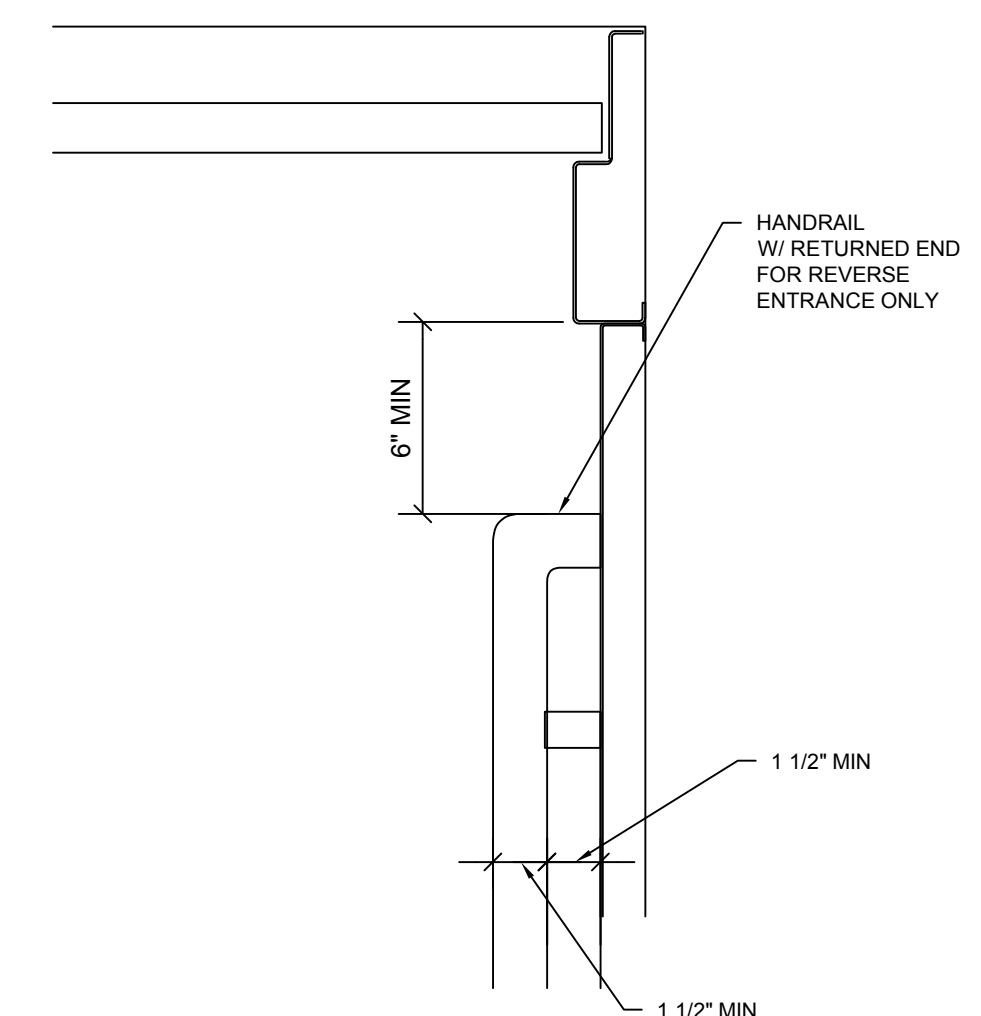
7 CAR & HALL SILLS DETAIL
VT3 NTS



4 REAR WALL
VT3 NTS

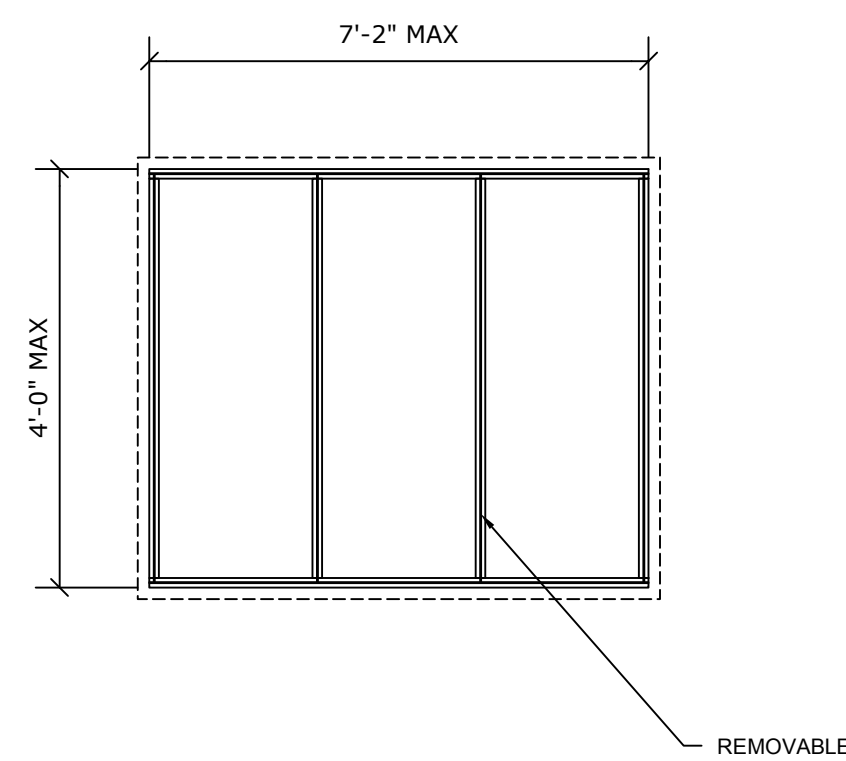


1B SECTION TRU HANDRAIL
VT3 NTS

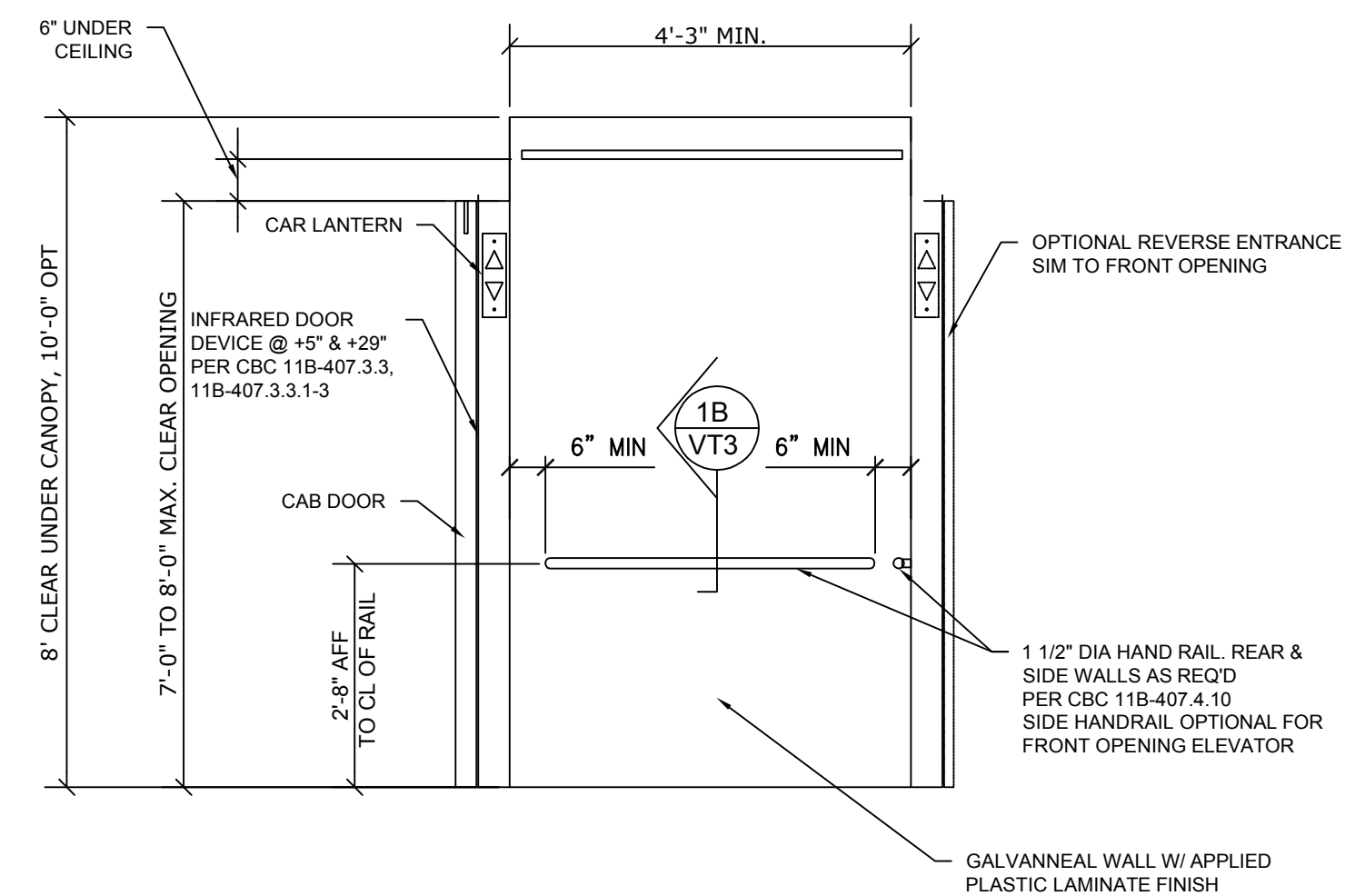


1A PLAN: HANDRAIL AT RETURNED END
VT3 NTS

NOTE: DIMENSIONS TO SUIT OVERALL CAB ENCLOSURE DIMENSIONS



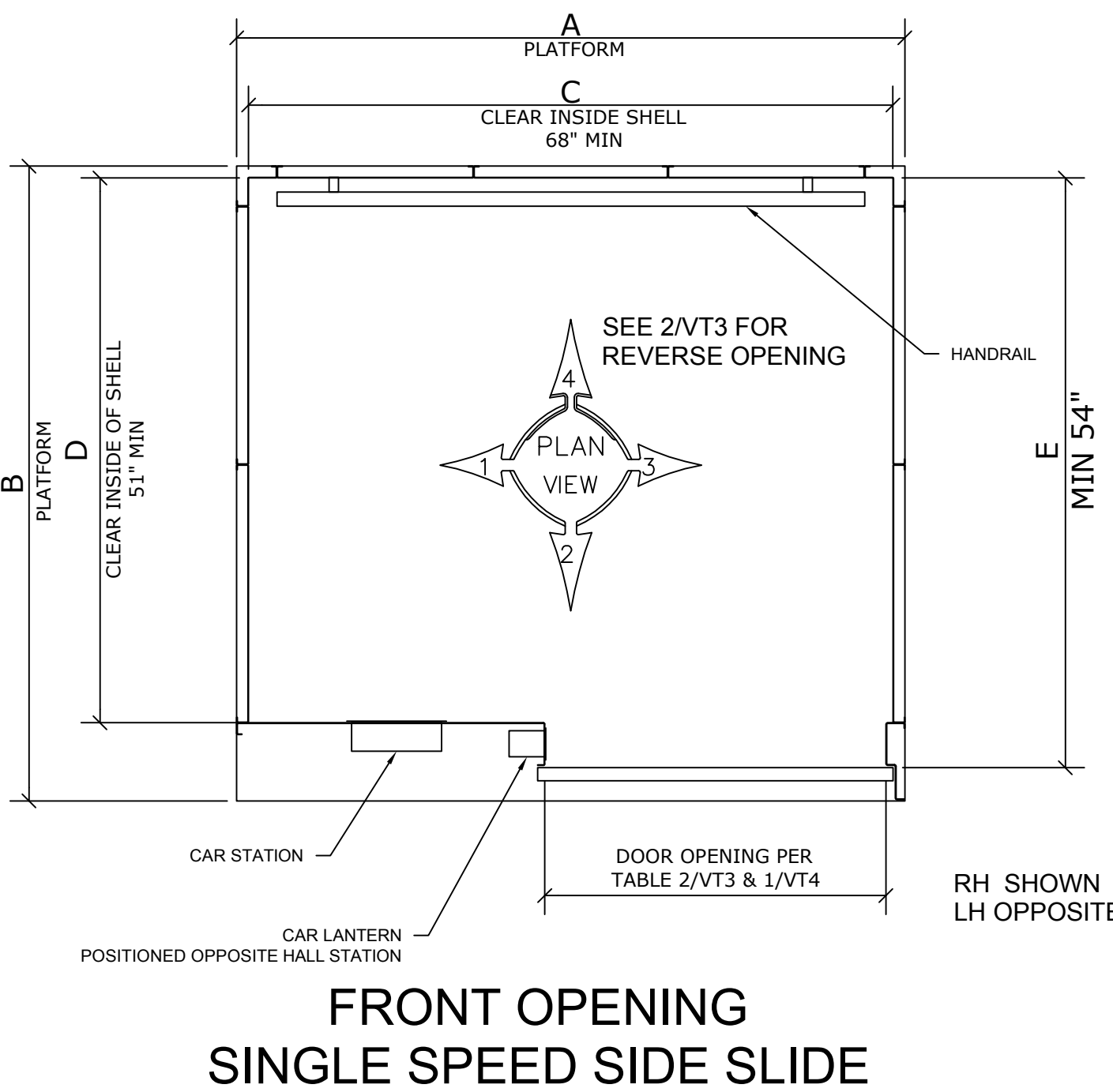
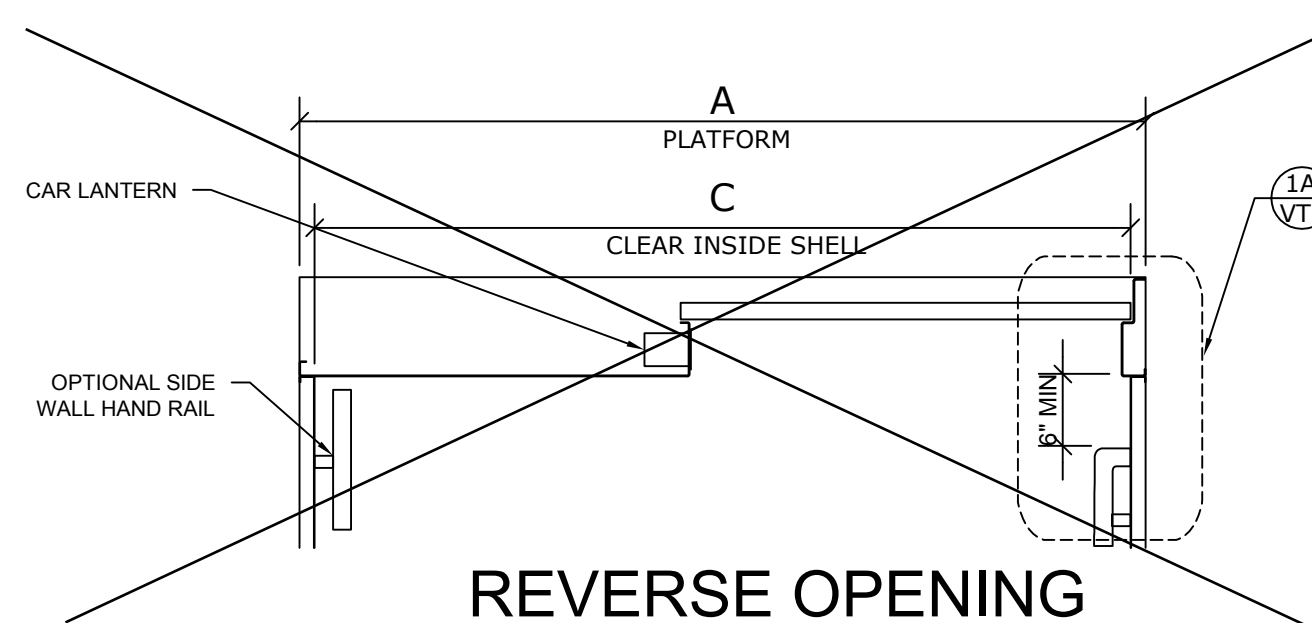
6 T-BAR CEILING FRAME FOR ELEVATOR CAR
VT3 NTS



3 SIDE WALL
VT3 NTS

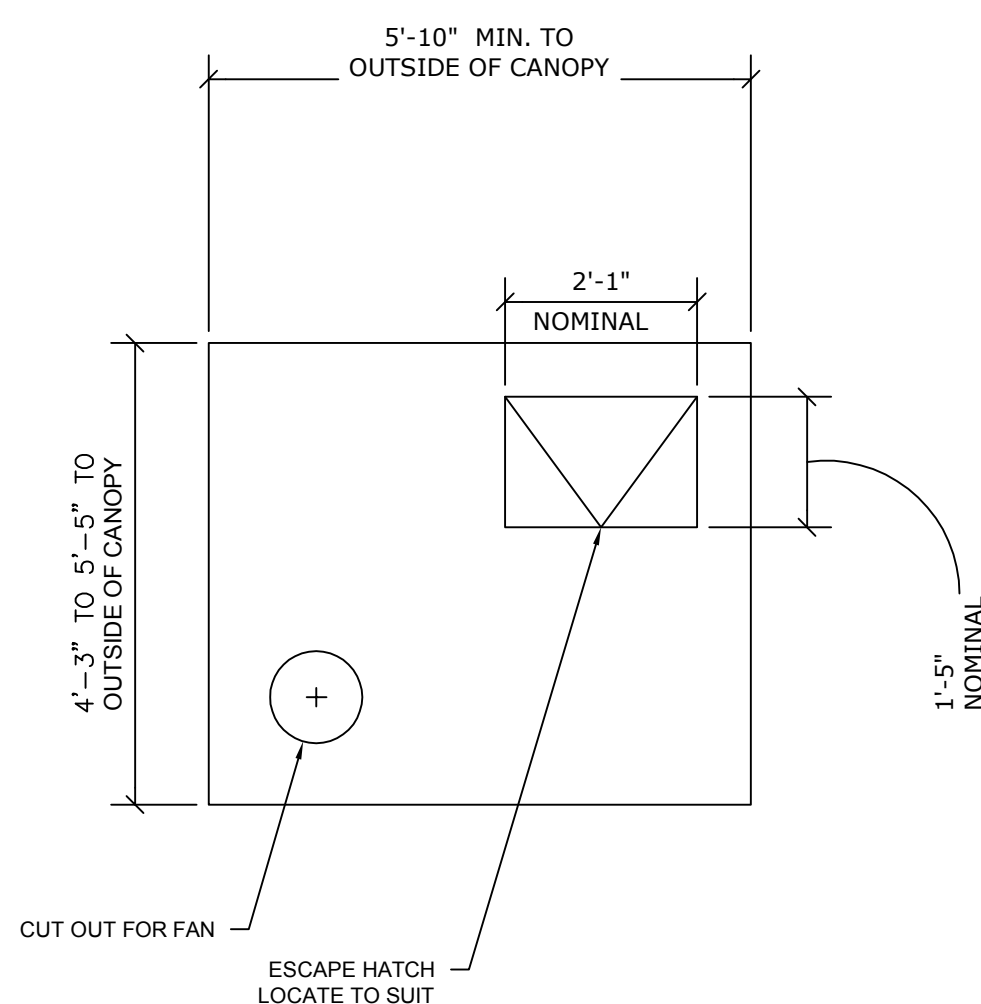
TABLE 2 - ELEVATOR DIMENSIONS

SELECT ONE	HW SIZE	ELEVATORS	PLATFORM				MAX AREA	SINGLE SPEED SIDE SLIDE OPN AS PER CBC 3002.4 11B-407.3 MIN DIM		
			A	B	C	D			E	
<input type="checkbox"/>	HW1	2000 R	5'-10 1/2"	5'-9"	5'-8"	4'-3 3/4"	4'-7 3/4"	24.9 sq ft	36"	
<input type="checkbox"/>	HW1	2500	5'-10 1/2"	5'-8 3/4"	5'-8"	4'-10 1/4"	5'-2 3/4"	28.2 sq ft	36"	
<input type="checkbox"/>	HW2	2500 R	6'-10 1/2"	5'-9"	6'-8"	4'-3 3/4"	4'-7 3/4"	29.3 sq ft	36"	
<input type="checkbox"/>	HW2	3000	6'-10 1/2"	5'-8 3/4"	6'-8"	4'-10 1/4"	5'-2 3/4"	33.2 sq ft	42"	
<input type="checkbox"/>	HW3	3000 GR	7'-5 1/2"	5'-9"	5'-9"	4'-3 3/4"	4'-7 3/4"	31.9 sq ft	42"	
<input checked="" type="checkbox"/>	HW2	3500 G	6'-10 1/2"	6'-0"	6'-8"	5'-3"	5'-7 1/2"	35.0 sq ft	42"	
<input type="checkbox"/>	HW3	3500 G	7'-5 1/2"	6'-0"	6'-0"	7'-3"	5'-3"	38.1 sq ft	42"	
<input type="checkbox"/>	HW3	4000	8'-0"	6'-0"	7'-6"	5'-3"	5'-7 1/2"	44.3 sq ft	42"	
<input type="checkbox"/>	HW3	4000 MAX	CUSTOM SIZE TO SUIT						44.3 sq ft	

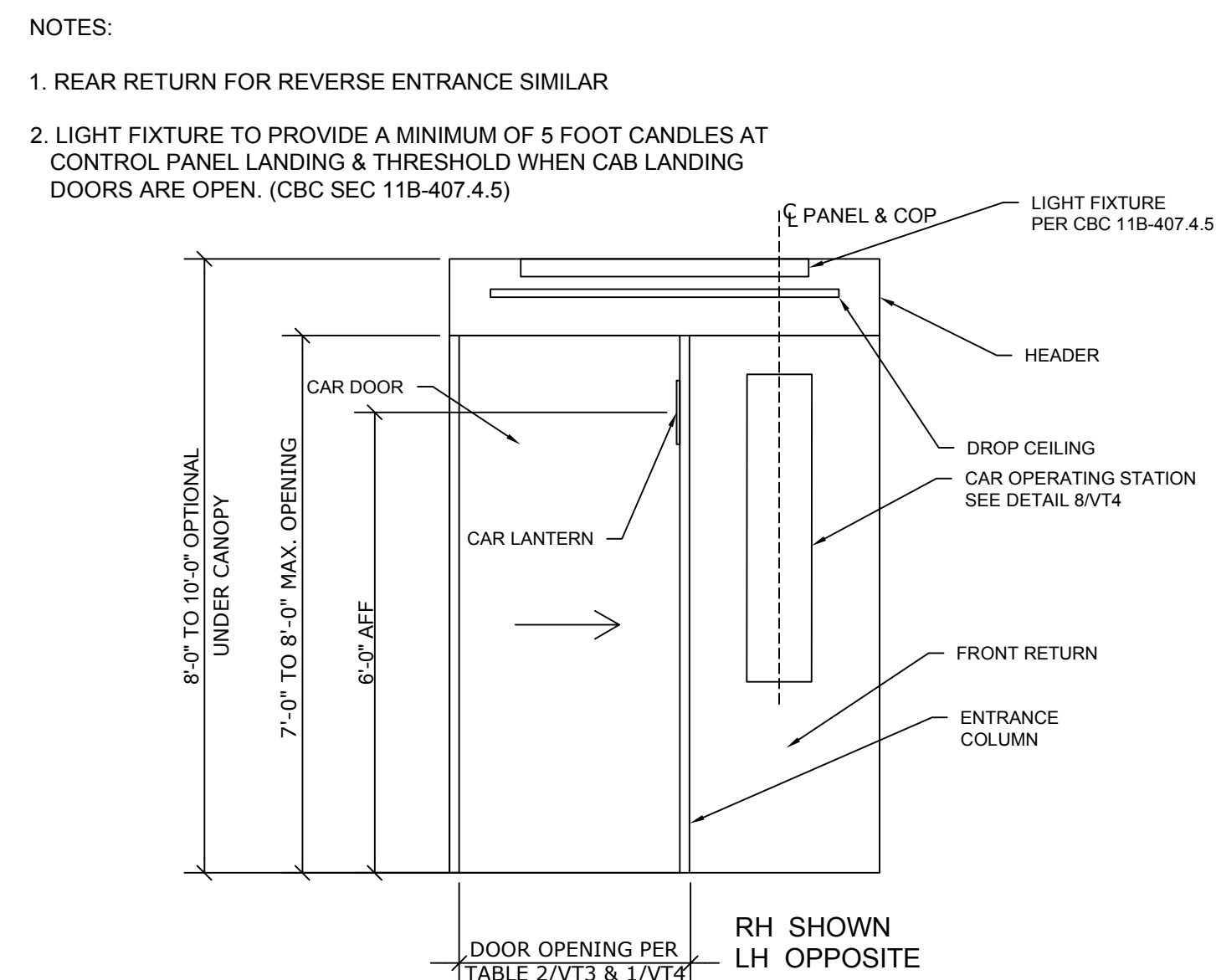


1 PLAN
VT3 NTS

NOTE: DIMENSIONS TO SUIT OVERALL CAB ENCLOSURE DIMENSIONS



5 ELEVATOR CANOPY
VT3 NTS



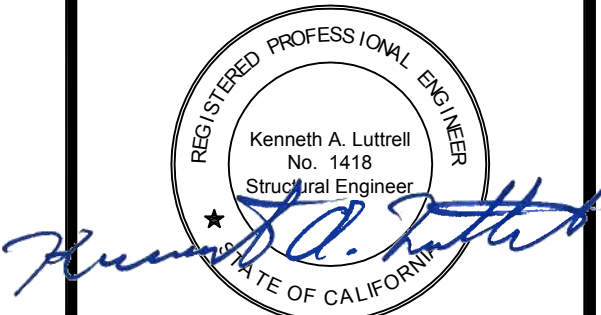
2 FRONT RETURN WALL
VT3 NTS

MANUFACTURING NOTES

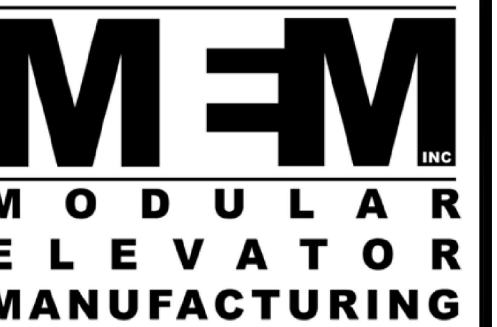
1. STRIKE JAM AND HEADER: STAINLESS STEEL
2. CAR DOORS: 16 GA GALVANNEAL, PRIMED FINISH OR STAINLESS STEEL
3. ENTRANCE COLUMN: 16 GA STAINLESS STEEL.
4. SIDE & REAR WALL PANELS: 16 GA GALVANNEAL WITH AN APPLIED PLASTIC LAMINATE ON THE INTERIOR, OR 16 GA STAINLESS STEEL.
5. CANOPY: 16 GA GALVANNEAL, REFLECTIVE WHITE FINISH ONLY REQUIRED ON THE INSIDE OF CAB, NO PRIME ON THE OUTSIDE
6. CEILING: T-BAR WITH CEILING PANELS
7. HANDRAIL: 1 1/2" ROUND HANDRAIL
8. CAR SILL: ALUMINUM WITH A NATURAL FINISH PER 7/VT3
9. VENTILATION: FAN AND VENT SLOTS IN THE BASE OF THE CAB.
10. CAR DOORS ARE PRE DRILLED FOR DOOR EQUIPMENT
11. LIGHTING: FLOURESCENT STRIP LIGHTS
12. ALL MATERIAL FOR CAR ENCLOSURES SHALL MEET THE REQUIREMENTS OF ASME A17.1, SECT. 204.2.

NO. DATE REVISION
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APP: 03-121419 INC:
REVIEWED FOR
SS FLS ACS
DATE: 09/29/2021

S.E. PC APPROVAL



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MODULAR ELEVATOR MANUFACTURING, INC.
P.O. BOX 3998
CHATSWORTH, CA. 91313
800-755-9359

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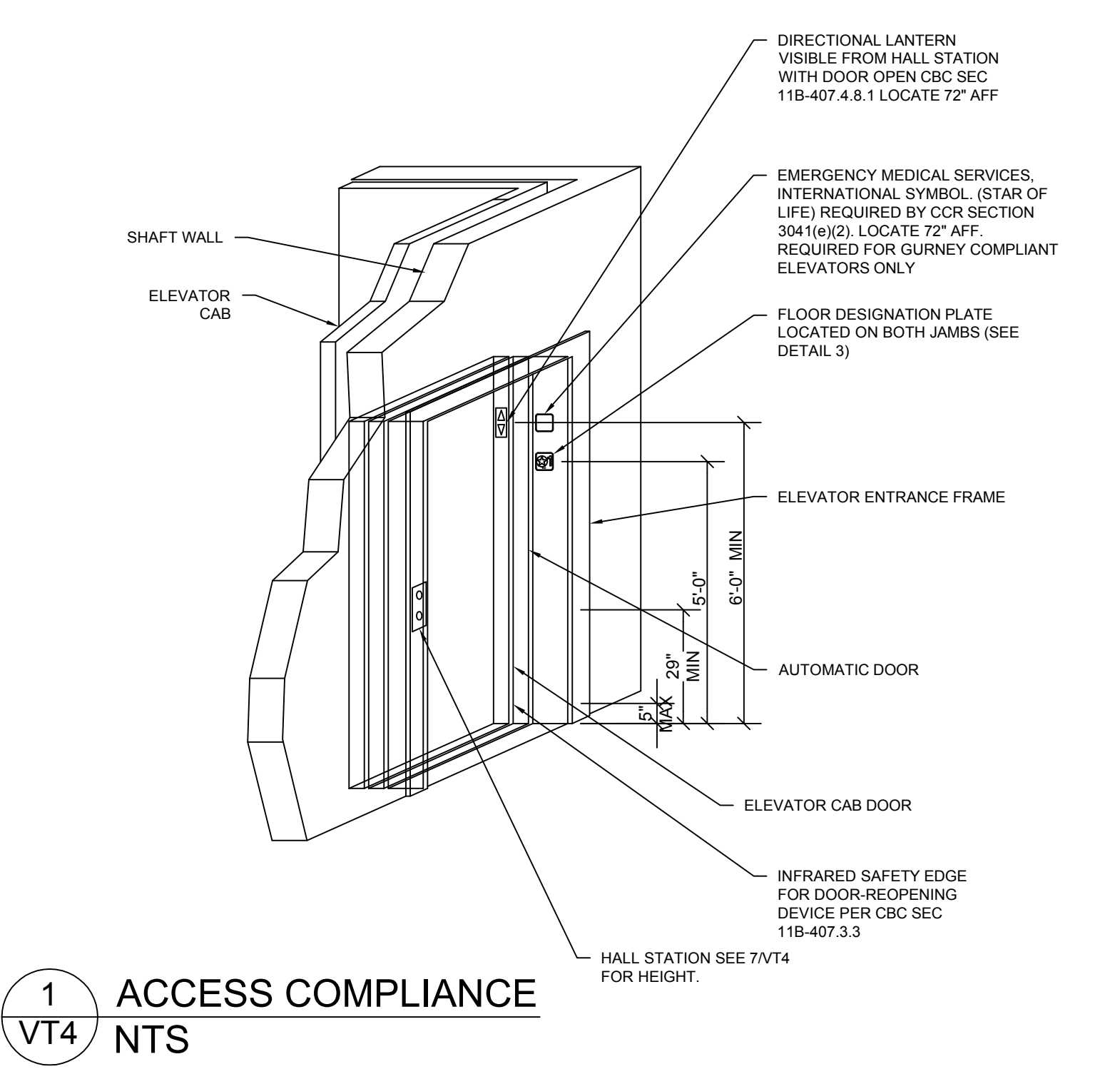
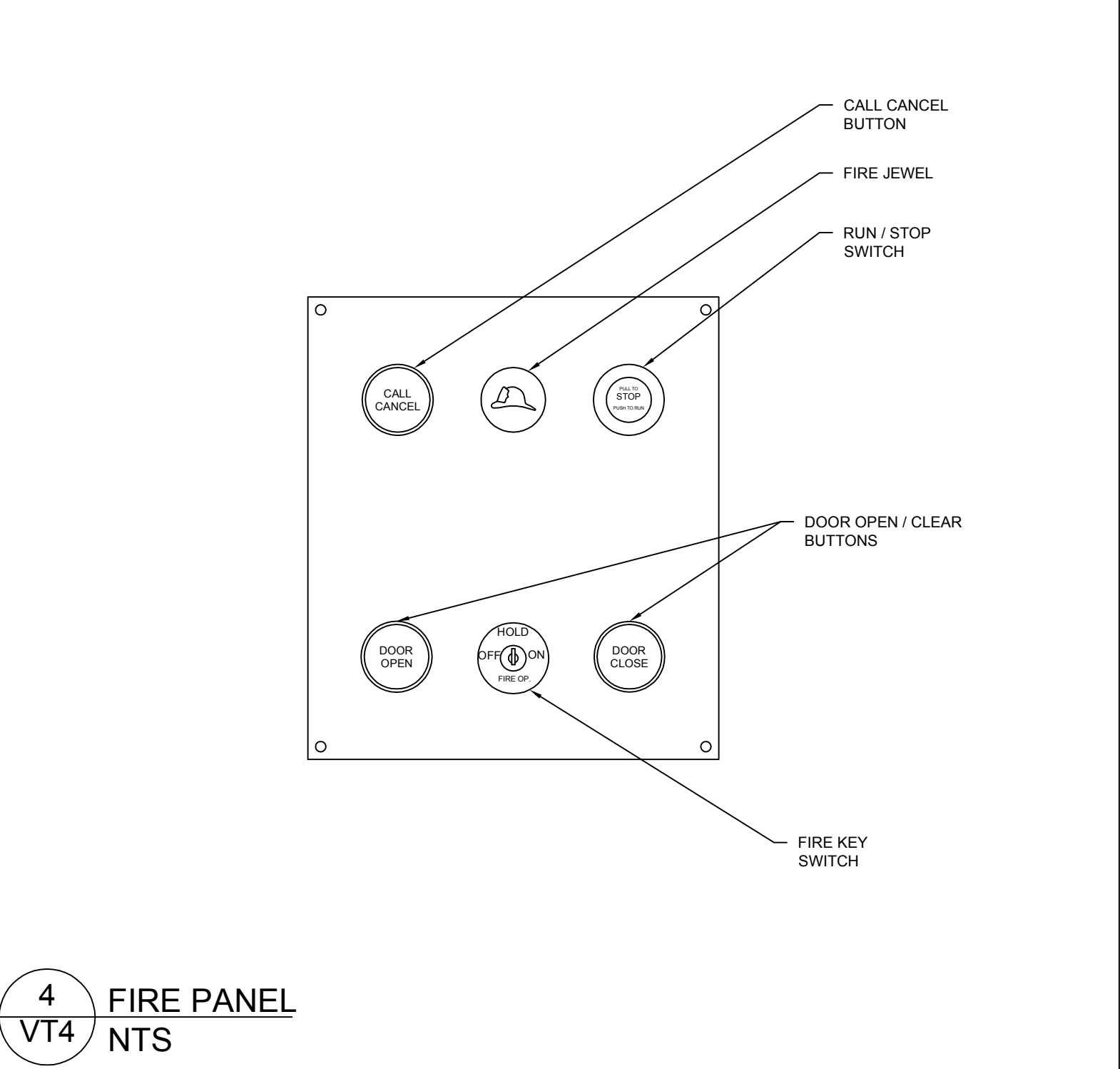
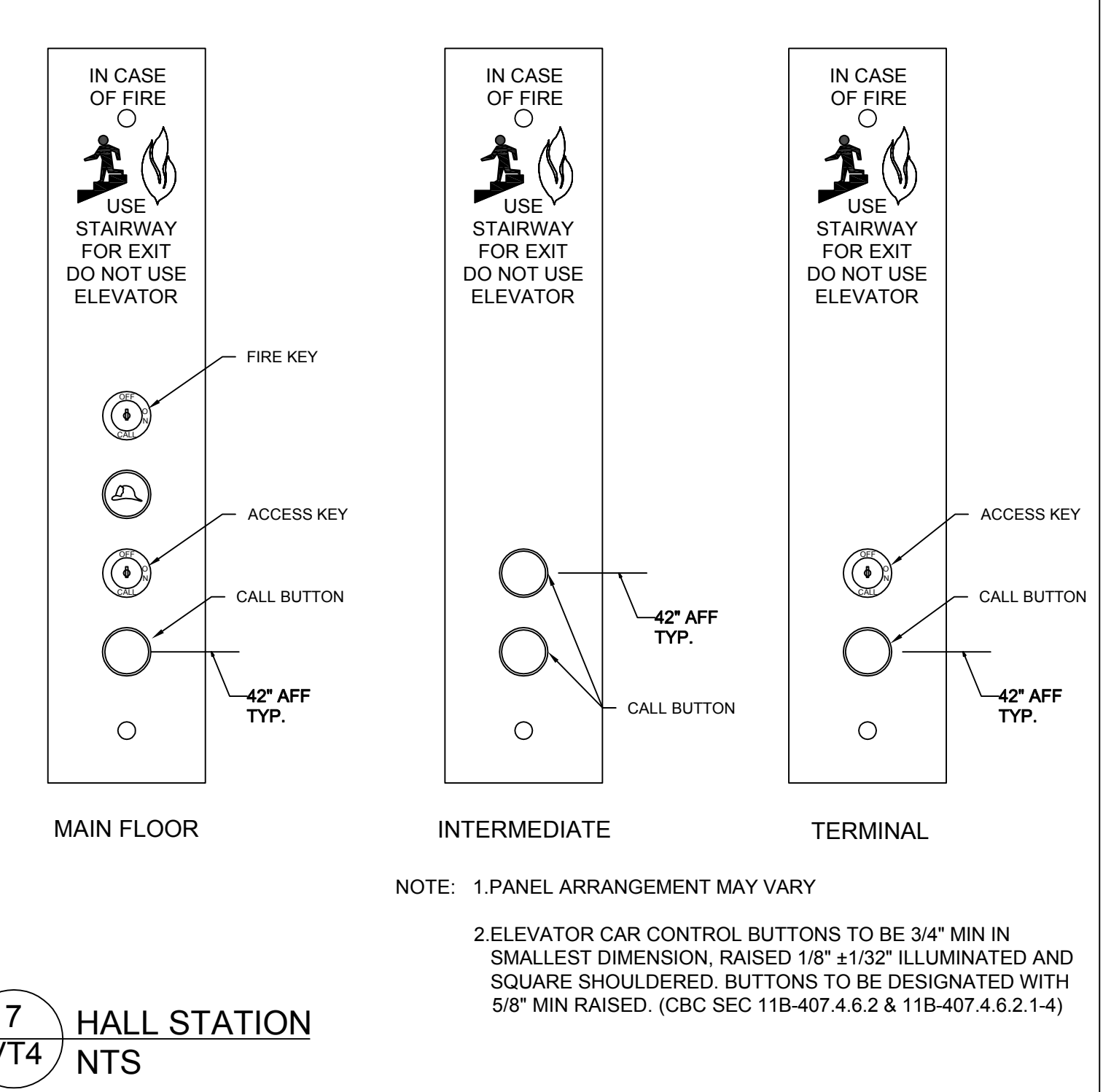
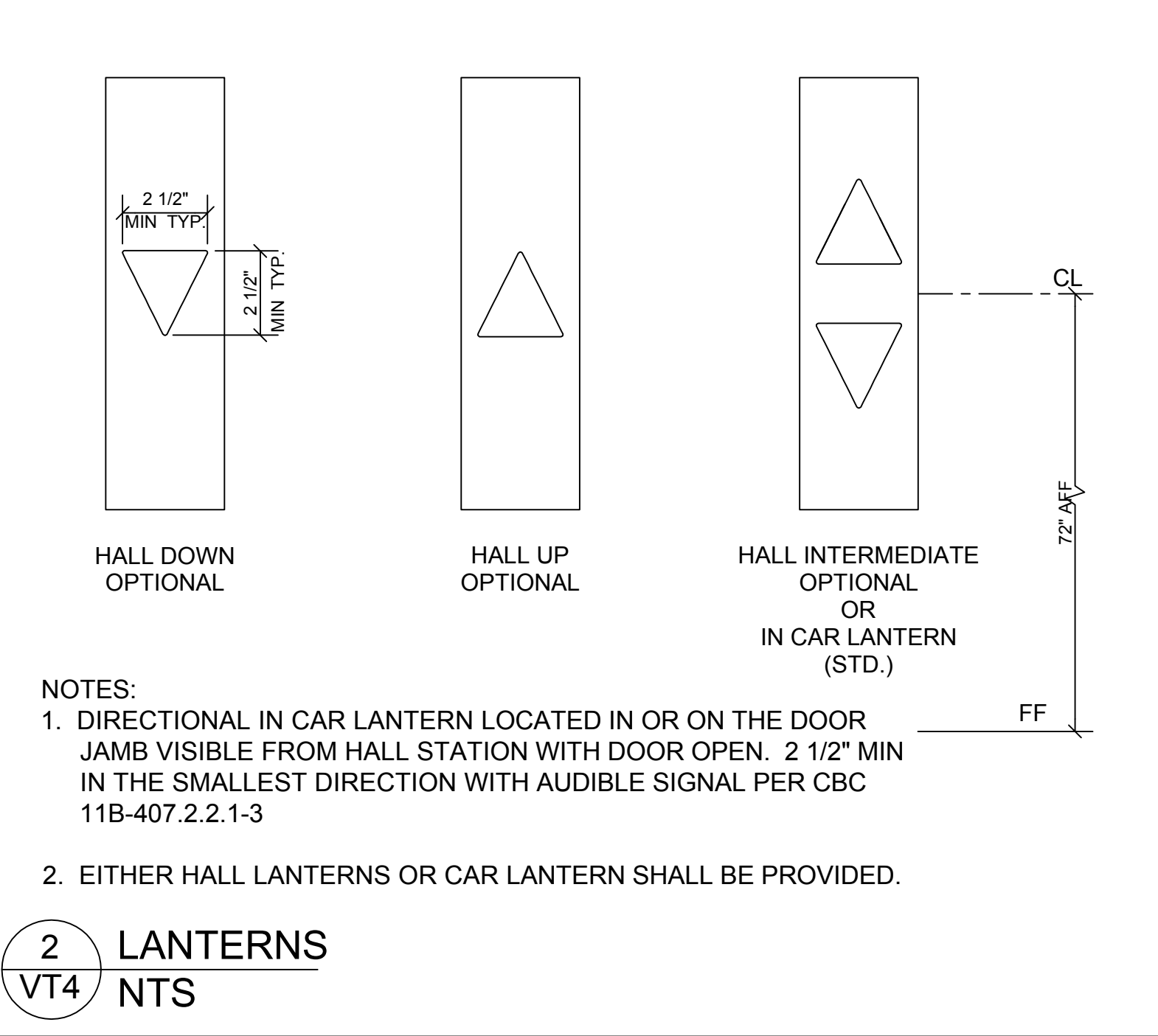
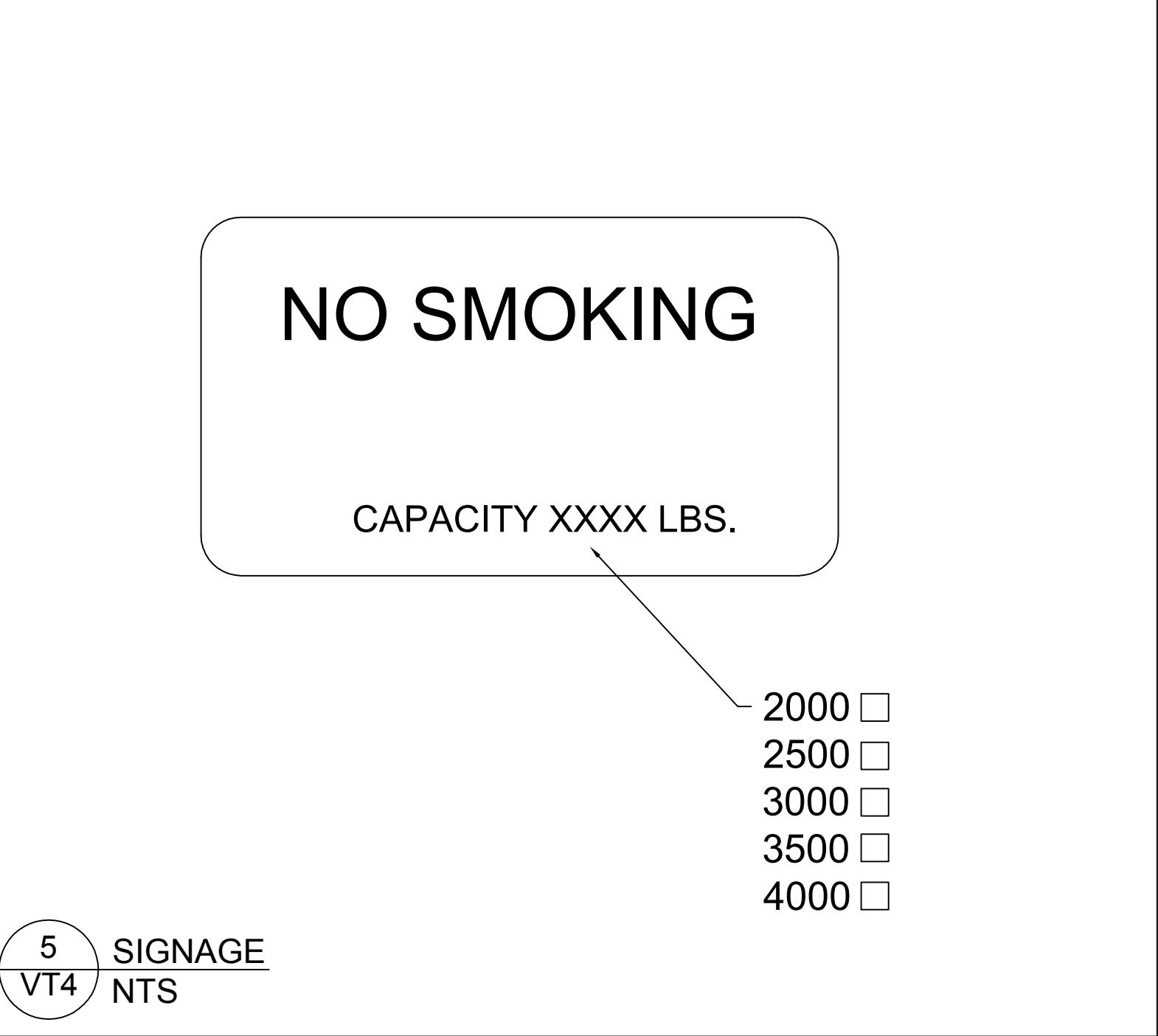
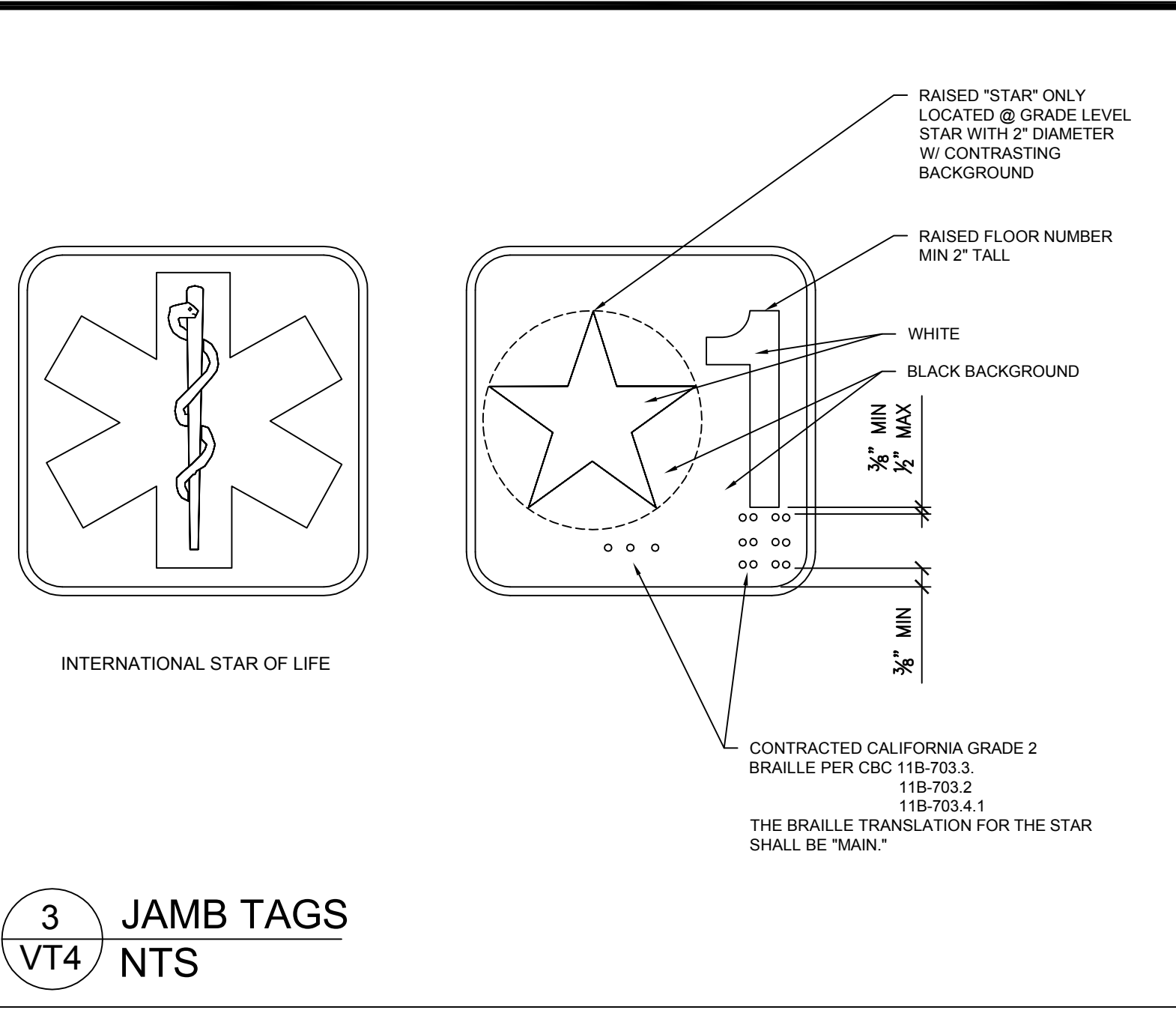
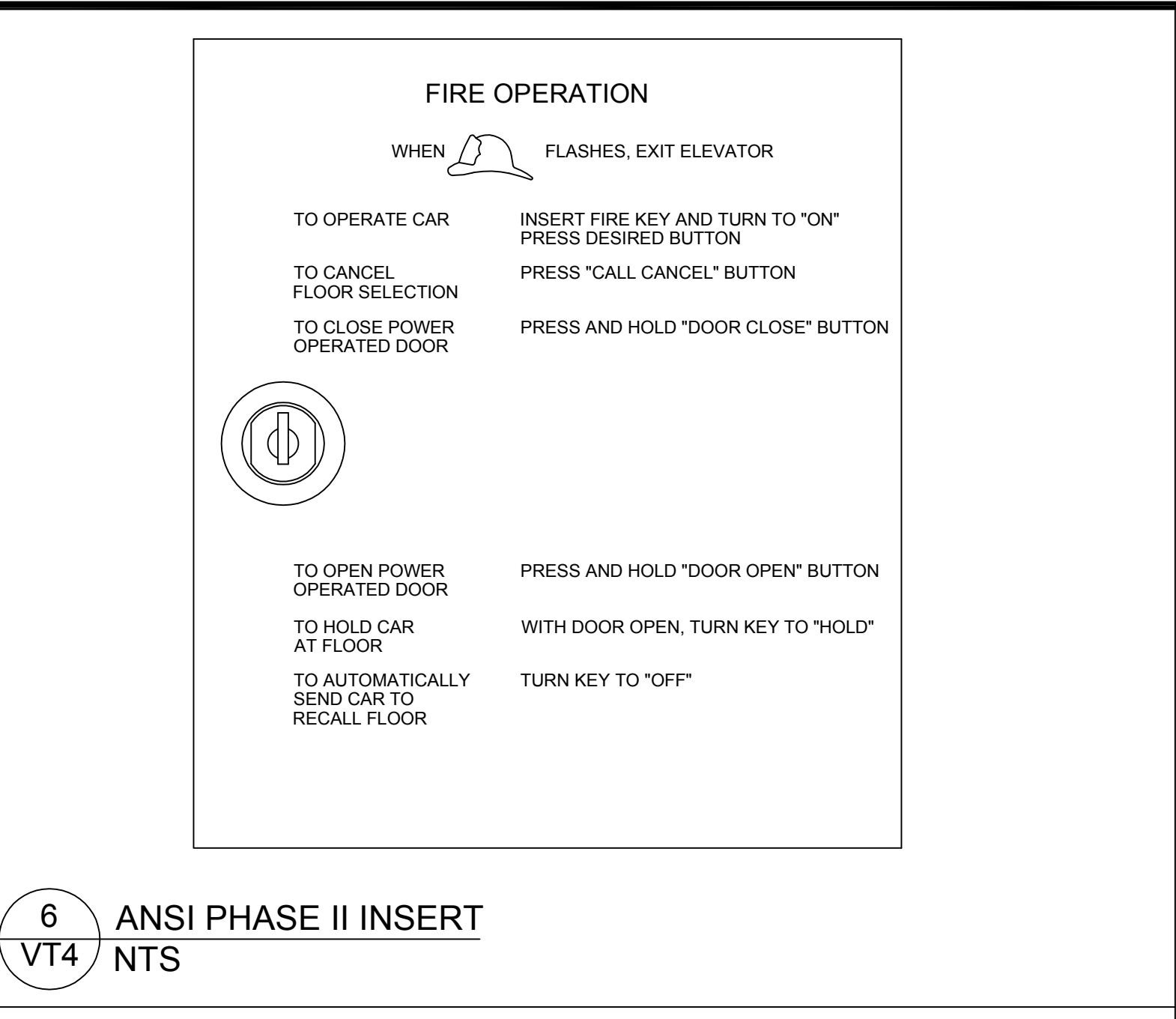
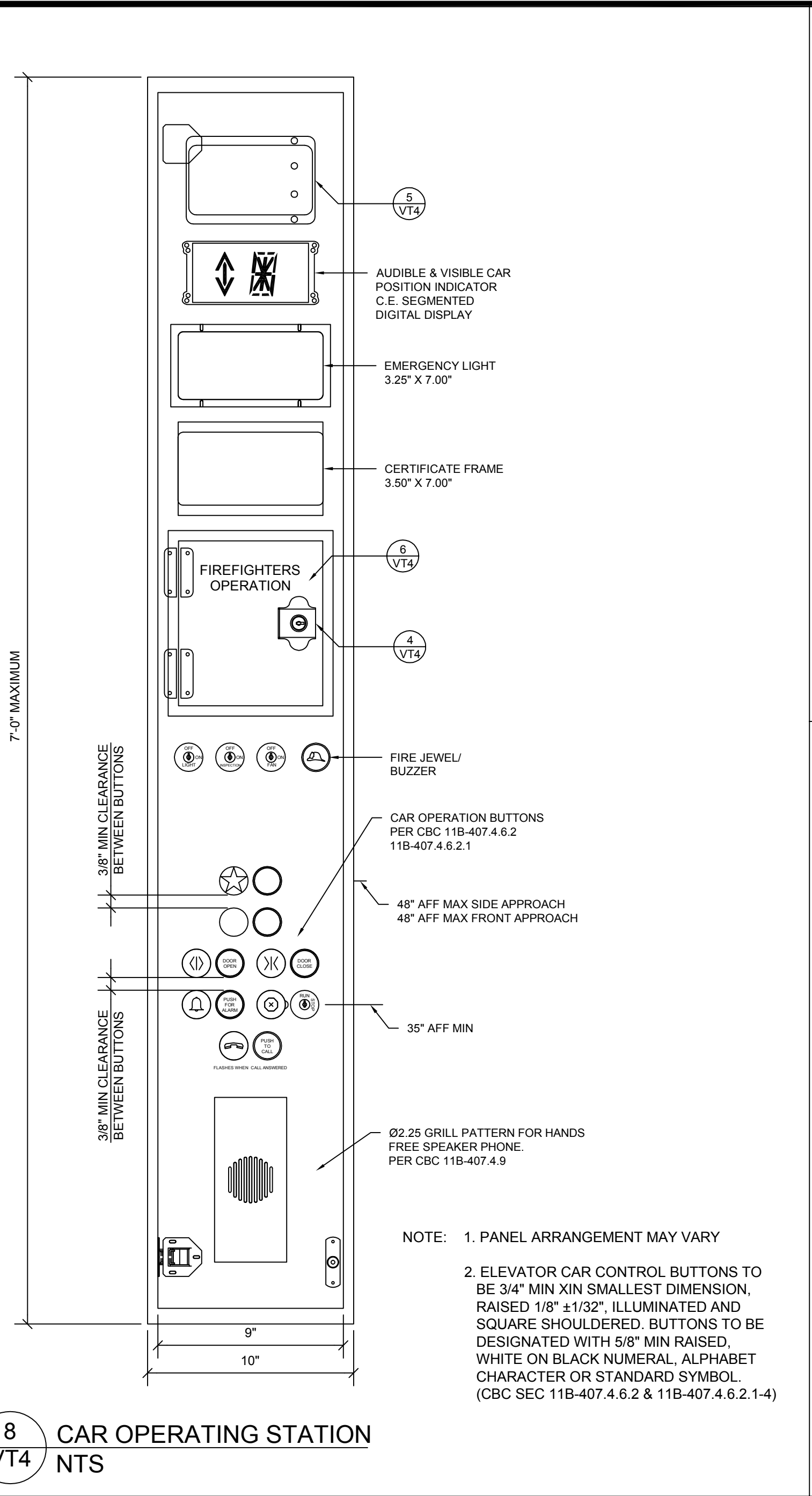
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PROJECT NO: 16093
DATE: 10/19/2018
ENGINEERED BY: KAL
DRAWN BY: MTC

FILE NO. PC-MEM
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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. 03-118291
AC MF FLS EB SS MC/MK
DATE 11/3/2018
PRE-CHECK (PC) DOCUMENT
CODE: 2016
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

SHEET NAME:
ELEVATOR CAB

SHEET NO:
VT3



PASSENGER ELEVATOR REQUIREMENTS

Chapter 11B, 2016 California Building Code

VT3	General - 11B-407.1 Elevators shall be passenger elevator as classified as ASME A17.1, and shall comply with 11B-407 and ASME A17.1. Elevator operation shall be automatic. When the only elevators provided for use by public and employees are combinations passenger and freight elevators, they shall comply with 11B-407 and ASME A17.1.
VT4	Elevator landing requirements - 11B-407.2 Call controls - Where elevator call buttons or keypads are provided, they shall comply with 11C-407.2.1 and 11B-309.4. Height - Call buttons shall be located within one of the reach ranges specified in 11B-308, measured to the centerline of the highest operable part. Size and shape - call buttons shall have square shoulders, be 3/4 inch minimum in the smallest dimension and shall be raised 1/8 inch plus or minus 1/32 inch above surrounding surface. The buttons shall be activated by a mechanical motion that is detectable. Clear floor or ground space - A clear floor or ground space complying with 11B-305 shall be provided at call controls. Location - The call button that designates the up direction shall be located above the call button that designates the down direction. Signals - Call buttons shall have visible signals that will activate when each call is registered and will extinguish when each call is answered. Call buttons shall be internally illuminated with a white light over the entire surface of the button.
VT4	Hall signals - Hall signals, including in-car signals, shall comply with 11B-407.4.2.2. Visible and audible signals - A visible and audible signal shall be provided at each hoistway entrance to indicate which car is answering a call and the car's directions of travel. Where in-car signals are provided, they shall be visible from the floor area adjacent to the hall call buttons. Visible signals - Visible signals shall be provided in both raised characters and Braille. Raised characters shall be 2 inches high. Raised characters shall be white on a black background. Braille complying with 11B-703.3 shall be placed below the corresponding raised characters and the star. The Braille translation for the star shall be "MAIN". Applied plates are acceptable if they are permanently fixed to the jamb. Audible signals - Audible signals shall sound once for the up direction and twice for the down direction or shall have verbal announcements that indicate the direction of elevator car travel. Audible signals shall have a frequency of 1500 Hz maximum. Verbal announcements shall have a frequency of 300 Hz minimum and 3000 Hz maximum. The audible signal and verbal annunciator shall be 10dB minimum above ambient, but shall not exceed 80 dB, measured at the hall call buttons.
3/VT4	Hoistway Signs - Signs at elevator hoistway shall comply with 11B-407.2.3. Floor designation - Floor designations shall be provided on both jamps of elevator hoistway entrances. Floor characters shall be provided in both raised characters and braille. Raised characters shall be 2 inches high. A raised star, placed to the left of the floor designation, shall be provided on both jamps at the main entry level. The outside diameter of the star shall be 2 inches and all points shall be of equal length. Raised characters, including the star shall be white on a black background. Braille complying with 11B-703.3 shall be placed below the corresponding raised characters and the star. The Braille translation for the star shall be "MAIN". Applied plates are acceptable if they are permanently fixed to the jamb. Car designation - Destination-Oriented elevators shall provide tactile car identification complying with 11B-703.2 and 11B-703.4.1 on both jamps of the hoistway immediately below the floor designation. Car designations shall be provided in both raised characters and Braille. Raised characters shall be 2 inches high. Raised characters shall be white on a black background. Braille complying with 11B-703.3 shall be placed below the corresponding raised characters. Applied plates are acceptable if they are permanently fixed to the jamb.
3/VT3	Elevator door requirements - 11B-407.3 Type - Elevator doors shall be the horizontal sliding type. Car gates shall be prohibited. Operation - elevator hoistway and car doors shall open and close automatically. Reopening device - Elevator doors shall be provided with reopening device complying with 11B-407.3.3 that shall stop and reopen a car door and hoistway door automatically if the door becomes obstructed by an object or person. Height - The device shall not require physical contact to be activated, although contact is permitted to occur before the door reverses. Contact - The device shall not require physical contact to be activated, although contact is permitted to occur before the door reverses. Duration - Door reopening devices shall remain effective for 20 seconds minimum. Door and signal timing - the minimum acceptable time from notification that a car is answering a call or notification of the car assigned at the means for the entry of destination information until the doors of that car start to close shall be calculated from the following equation: T = D(I + 5 R) or T = D(I + 55mm/s) = 5 seconds minimum where T equals the total time in seconds and D equals the distance (in feet or millimeters) from the point in the lobby or corridor 60 inches directly in front of the farthest call button controlling that car to the centerline of the hoistway door. Door delay - Elevator doors shall remain fully open in response to a car call for 5s minimum. Width - The width of elevator doors shall comply with Table 11B-407.4.1
1/VT4	Elevator car requirements - 11B-407.4 Car dimension - Inside dimensions of elevator cars and clear width of elevator doors shall comply with Table 407.4.1. CBC 3002.4.3A where required. Floor surfaces - Floor surfaces in elevator cars shall comply with 11B-302 and 11B-303. Platform to hoistway clearances - The clearance between the car platform sill and the edge of any hoistway landing shall be 114 inches minimum. Leveling - Each car shall be equipped with a self-leveling feature that will automatically bring and maintain the car at floor landings within a tolerance of 1/2 inch under rated loading to zero loading condition. illumination - the level of illumination at the car controls, platform, car threshold and car landing sill shall be 5 floor candles minimum. Elevator car controls - Where provided, they shall comply with 11B-407.4.6 and 11B-309.4. Location - Controls shall be located within reach ranges specified in 11B-308. Buttons - Car control buttons with floor designations shall comply with the following: Size and Shape - Buttons shall have square shoulders, be 3/4 inch minimum in the smallest dimension and shall be raised 1/8 inch plus or minus 1/32 inch above surrounding surface. Arrangement - Buttons shall be arranged with numbers in ascending order. When two or more columns of buttons are provided, they shall read from left to right. illumination - Car control buttons shall be illuminated. Operation - Car control buttons shall be activated by a mechanical motion that is detectable. Keypads - Car control keypads shall be in a standard telephone keypad arrangement and shall comply with 11B-407.4.7.2. Emergency controls - Emergency controls shall comply with 11V-407.4.6.4. Height - Emergency controls shall have their centerlines 35 inches minimum to 48 inches maximum, 11B-308, above the finish floor. Location - emergency controls, including the emergency alarm, shall be grouped at the bottom of the panel.
8/VT4	Designations and indicators of car controls - shall comply with 11B-407.4.7. Buttons - Car control buttons shall comply with 11B-407.4.7.1. Type - Control buttons shall be identified by raised characters or symbols, on a black background, complying with 11B-703.2 and Braille complying with 11B-703.3. Location - Raised characters or symbols and Braille designations shall be placed immediately to the left of the control button to which the designations apply. Symbols - the control button for the emergency stop, alarm, door open, door close, main entry floor, and phone, shall be identified with raised symbols and Braille as shown in Table 11B-407.4.7.1.3. Visible indicators - buttons with floor designations shall be provided with visible indicators to show that a call has been registered. The visible indicator shall extinguish when the car arrives at the designated floor. Button Spacing - a minimum clear space of 3/8 inch or other suitable means of separation shall be provided between rows of control buttons. Keypads - Keypads shall be identified by characters complying with 11B-703.5 and shall be centered on the corresponding keypad button. The number five key shall have a single raised dot. The dot shall be 0.118 inch to 0.120 inch base diameter and in other aspects comply with Table 11B-703.3.1.
1/VT4	Car position indicators - Audible and visible car position indicators shall be provided in elevator cars. Visible indicators shall comply with 11B-407.4.8.1. Size - Characters shall be 1/2 inch high minimum. Location - Indicators shall be located above the car control panel or above the car. Floor arrival - As the car passes a floor when a car stops at a floor served by the elevator, the corresponding character shall illuminate. Destination indicators - In destination-oriented elevators, a display shall be provided in the car with visible indicators to show car destinations. Audible indicators shall comply with 11B-407.4.8.2. Signal type - The signal shall be an automatic verbal annunciator which announces the floor at which the car is about to stop. Signal level - the verbal annunciator shall be 10dB minimum above ambient, but shall not exceed 80 dB, measured at the annunciator. Frequency - The verbal annunciator shall have a frequency of 300 Hz minimum to 3000 Hz maximum. Emergency communication - Emergency two-way communication systems shall comply with 11B-308. Raised symbols or characters, white in a black background, and Braille shall be provided adjacent to the device and shall comply with 11B-703.2 and 11B-703.3. Emergency two-way communication systems between the elevator and a point outside the hoistway shall comply with ASME A17.1.
1A/VT3 1B/VT3	Support Rail - Support rails shall be provided on at least one wall of the car. Location - Clearance between support rails and adjacent surfaces shall be 1 1/2 inches minimum. Top of support rails shall be 31 inches minimum to 33 inches maximum above the floor of the car. The ends of the support rail shall be 6 inches maximum from adjacent walls. Surfaces - Support rails shall be smooth and any surface adjacent to them shall be free of sharp or abrasive elements. Structural strength - Allowable stresses shall not be exceeded for materials used when vertical or horizontal forces of 250 pounds is applied at any point on the support rail, fastener, mounting device or supporting structure.

NO. DATE REVISION

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DIV. OF THE STATE ARCHITECT

APP: 03-121419 INC:

REVIEWED FOR

SS FLS ACS

DATE: 09/29/2021

S.E. PC APPROVAL

REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 1418
Structural Engineer
STATE OF CALIFORNIA

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PROJECT NO: 16093

DATE: 10/19/2018

ENGINEERED BY: KAL

DRAWN BY: MTC

FILE NO. PC-MEM
IDENTIFICATION STAMP
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AC: MF FLS: SB SS: MC/ MK

DATE: 11/3/2018

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SHEET NAME:
ACCESS COMPLIANCE

SHEET NO:
VT4

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