

Rev. #	Description	Date

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 ARCHITECTURE + ENGINEERING
 515 Encinitas Blvd., Ste. 201, Encinitas, California 92024
 Telephone: (760) 935-6888 Fax: (760) 935-7341



SYCAMORE CANYON SCHOOL
 3-CLASSROOM ADDITION
 SANTEE SCHOOL DISTRICT

**ENLARGED
 GRADING PLAN**

Drawn:
 Author:
 Checked:
 Checker:
 Date:

Job:
 C-1.0

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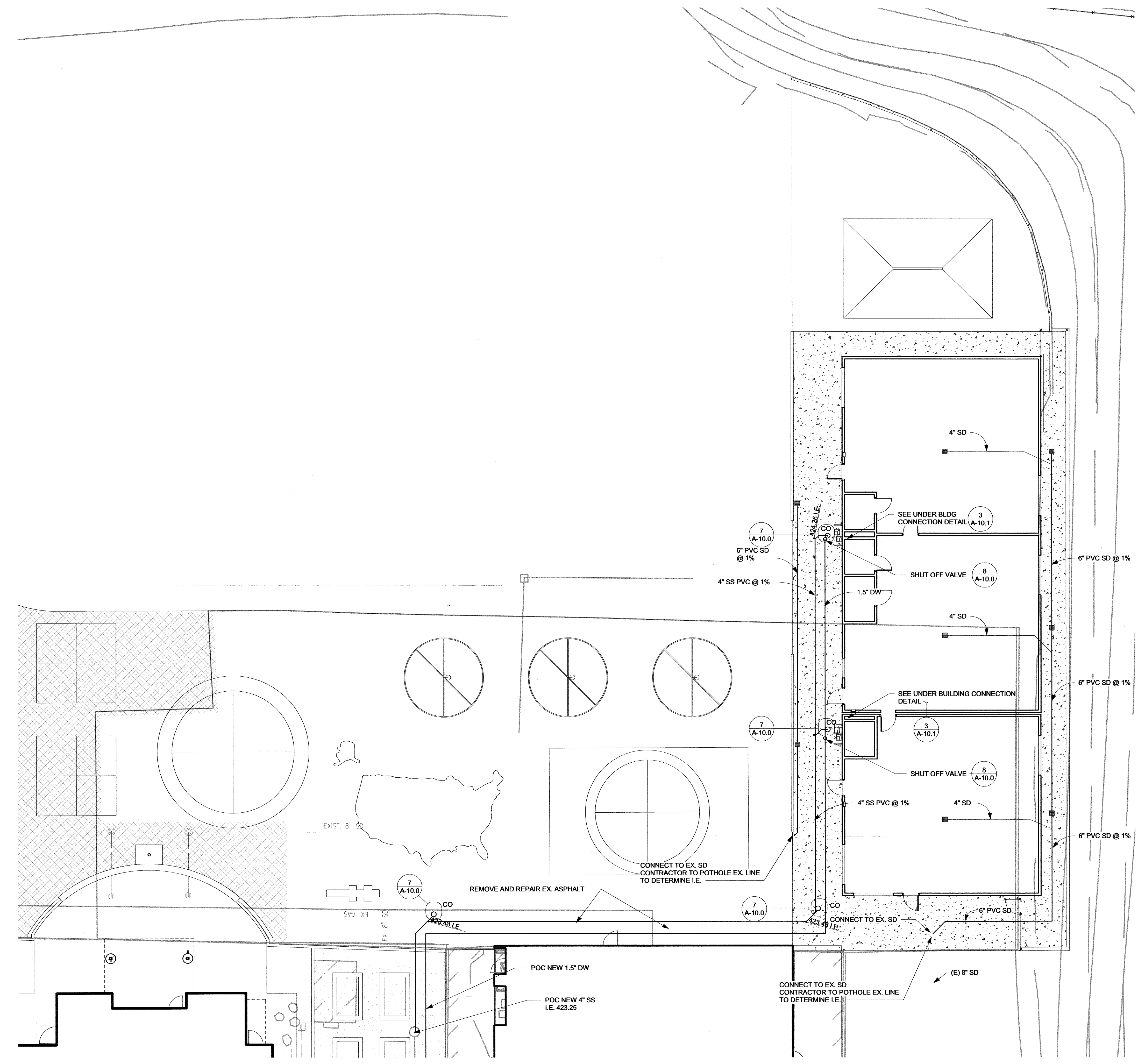
SYCAMORE CANYON SCHOOL
3-CLASSROOM ADDITION
SANTEE SCHOOL DISTRICT

ENLARGED SITE
UTILITY PLAN

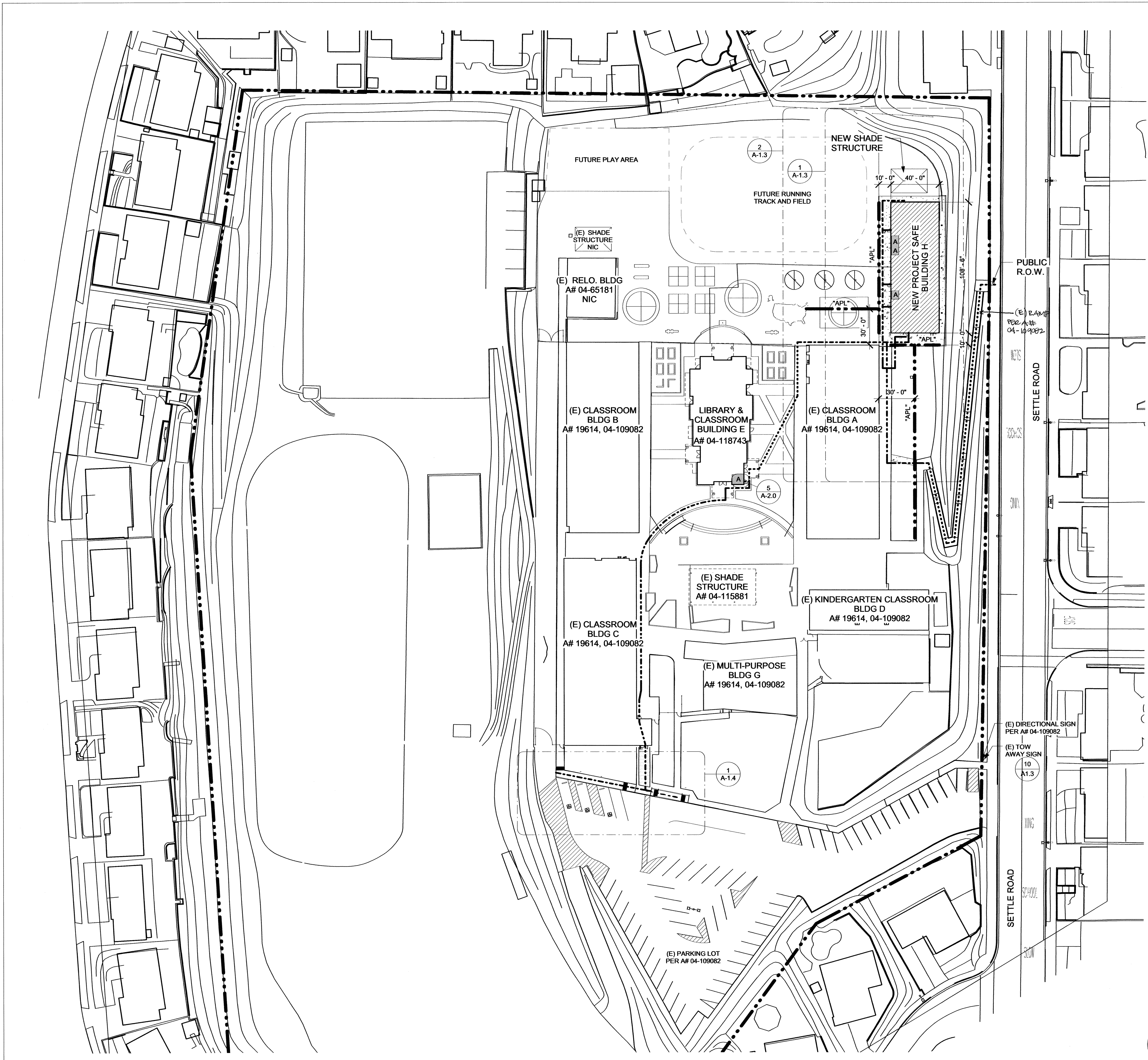
Drawn:
Author:
Checked:
Checker:
Date:

Job:

C-2.0



ENLARGED UTILITY PLAN 1" = 10'-0" 1



SITE PLAN LEGEND

- PROPERTY LINE/ASSUMED PROPERTY LINE "APL"
- EXISTING ACCESSIBLE PATH OF TRAVEL PER 04-118743
- NEW ACCESSIBLE PATH OF TRAVEL
- X --- X C.L.F. (CHAIN LINK FENCE)
- A ALL GENDER RESTROOM

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 04 119164
 ACS FL 16 SS
 DATE MAR 17 2024

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ACCESS COMPLIANCE NOTES

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:
 THE ACCESSIBLE PATH OF TRAVEL (P.O.T.) AS INDICATED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT 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 FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

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

OPENINGS IN GRATINGS AT DRAINS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAYS OF TRAVEL, SHALL BE LIMITED TO 1/2" MAX.

ALL BUILDINGS CONTAIN ACCESSIBLE PLUMBING FIXTURES. REFER TO FLOOR PLANS FOR EXACT LOCATIONS.

GATES IN THE PATH OF TRAVEL SHALL COMPLY WITH EXIT DOOR REQUIREMENTS PER CBC SECTION 11B-404

CODE ANALYSIS

NEW PROJECT SAFE BUILDING H & SHADE STRUCTURE:

CONSTRUCTION TYPE:	VB
OCCUPANCY:	MIXED: E / A3
STORIES:	1
SPRINKLERED:	NO
ACTUAL AREA:	4,920
E:	4,320 SF
A-3:	600 SF
ALLOWABLE AREA:	
E:	9,500 SF
A3:	600 SF
MIXED OCCUPANCY ANALYSIS	
E	A3
4,320	+ 600 = 0.55 (LESS THAN 1)
9,500	6000

EXISTING CLASSROOM BUILDING A (FOR REFERENCE ONLY)

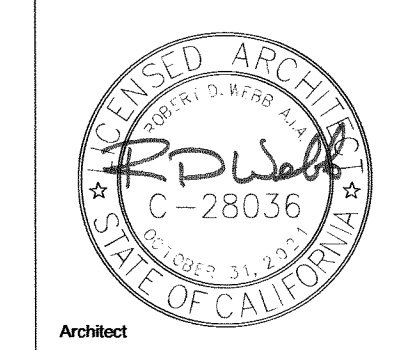
CONSTRUCTION TYPE:	VB
OCCUPANCY:	E
STORIES:	1
SPRINKLERED:	NO
ACTUAL AREA:	9,547 SF
ALLOWABLE AREA:	9,500 SF + (9,500 x .66) = 15,770 SF
(440x440) - (25x26)430 = .66	
(160x30) + (160x20) + (60x30) + (60x30)440 = 26.4	

PARKING COUNT

55	STANDARD SPACES
1	ACCESSIBLE VAN SPACE
2	ACCESSIBLE STANDARD SPACE
58	TOTAL PARKING SPACES

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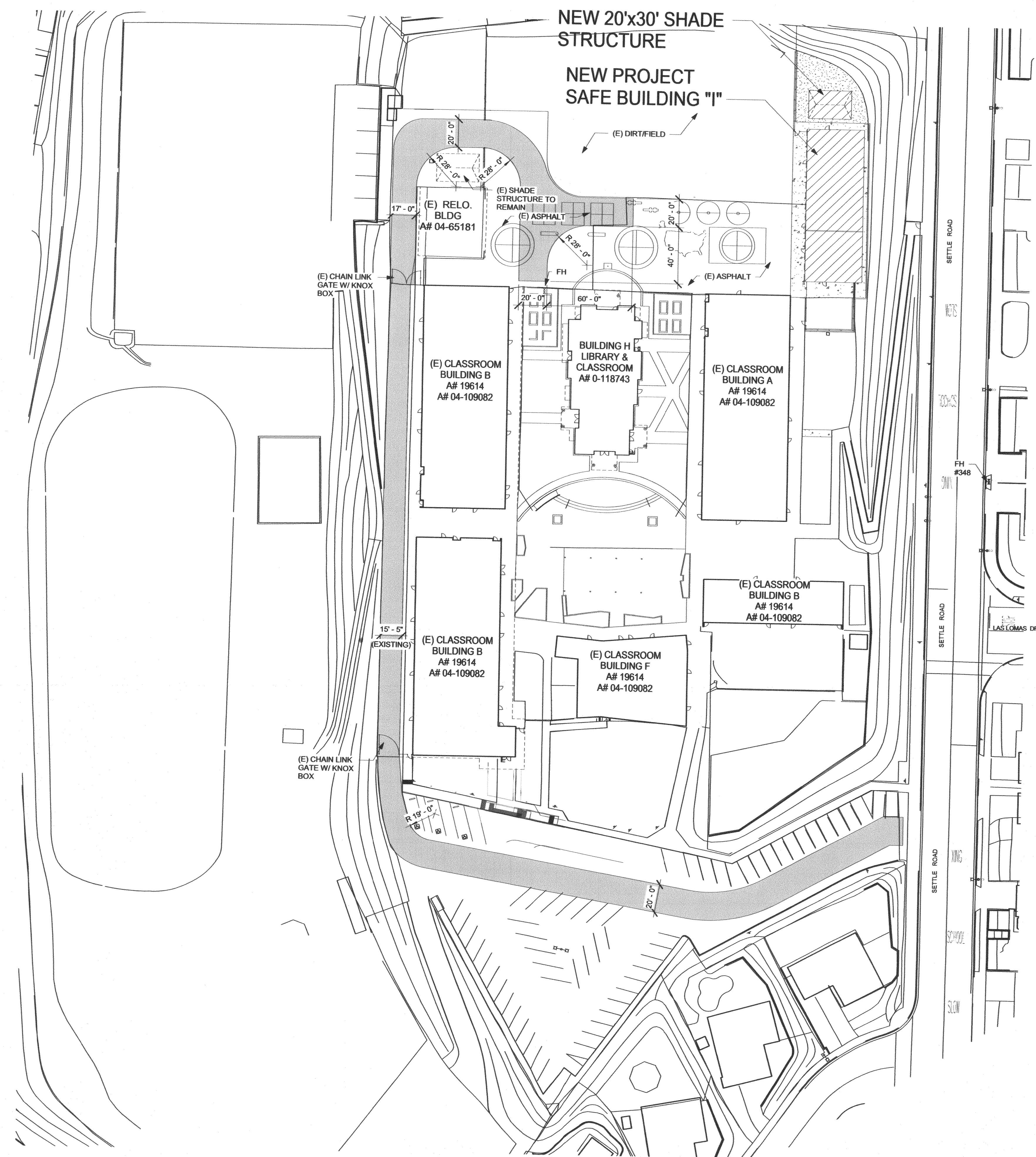
SYCAMORE CANYON SCHOOL
 3-CLASSROOM ADDITION
 SANTEE SCHOOL DISTRICT

OVERALL SITE PLAN

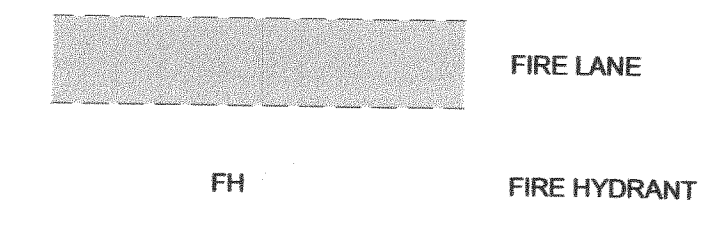
Drawn: _____
 Author: _____
 Checked: _____
 Checker: _____
 Date: _____

Job: _____

A-1.1



FIRE ACCESS PLAN LEGEND



FIRE FLOW RESULTS

PADRE DAM 1818 Padra Avenue, Santa Cruz, CA 95060
 Fire Flow Request Form
 Name: SYCAMORE CANYON SCHOOL DISTRICT
 Project Name: SYCAMORE CANYON SCHOOL LIBRARY REPAIR CENTER
 Project Address: 10201 SETTLE ROAD, SANTEE, CA 92071
 Fire Flow Results Table:
 Hydrant Number: 348
 Static Pressure (PSI): 47.96
 Residual Pressure at 150 GPM (PSI): 47.96
 Residual Pressure at 250 GPM (PSI): 47.96
 Certified Flow (GPM) at 20 PSI: 4,796
 Residual Pressure at 10 GPM: 47.96
 Comments: Max flow limited from 14" ACP water main.
 Date: 10/15/19

DSA FORM 810

DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new buildings, additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1-3 below is to be provided for all project types indicated above. Information associated with items 4-7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the local fire authority (LFA) is only required when an alternate design means is being requested.

PROJECT INFORMATION
 School District Owner: SANTEE SCHOOL DISTRICT
 Project Name/School: SYCAMORE CANYON SCHOOL - PROJECT SAFE
 Project Address: 10201 SETTLE ROAD, SANTEE, CA 92071

FIRE & LIFE SAFETY REVIEW

1. Has a fire hydrant flow test been performed within the past 12 months? (If yes, provide a copy of the test data.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
3. Is the project located within a designated fire hazard severity zone as established by Cal Fire? (If yes, indicate fire hazard zone classification below.) Refer to the following for fire hazard zone locations: www.fire.ca.gov/fire-scenarios/fire-prevention/wildland-zones-maps	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CBC Chapter 24.)	Moderate <input type="checkbox"/>	High <input type="checkbox"/>	Very High <input checked="" type="checkbox"/>
	WIFA <input checked="" type="checkbox"/>		

CONDITION MEANS AND METHODS RESOLUTION

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

DSA 810 (rev 10-23-18) DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 1 of 4

DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

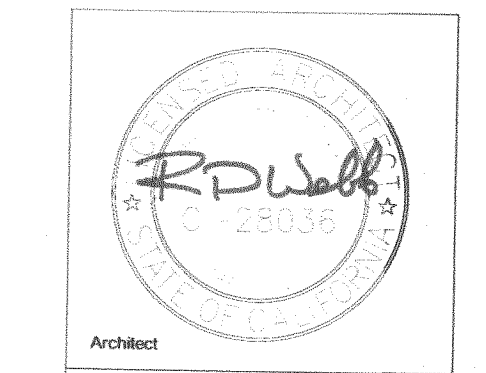
School District Acceptance of Acceptable Design Alternates
 By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.
 Accepted by: *Christina Backley* Title: *P.R. Const.*
 Signature: *John Disher* Date: *8/24/20*

LOCAL FIRE AUTHORITY (LFA) INFORMATION
 LFA Agency Name: *SANTEE FIRE*
 LFA Review Official: *CARISA WILKINSON*
 Title: *FIRE MARSHAL*
 Work E-mail: *C.Wilkinson@cityofsantee.ca.gov*

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 DIV. OF THE STATE ARCHITECT
 04 119164
 ACS 2L FLS Hb SS
 DATE MAR 1 2 2020

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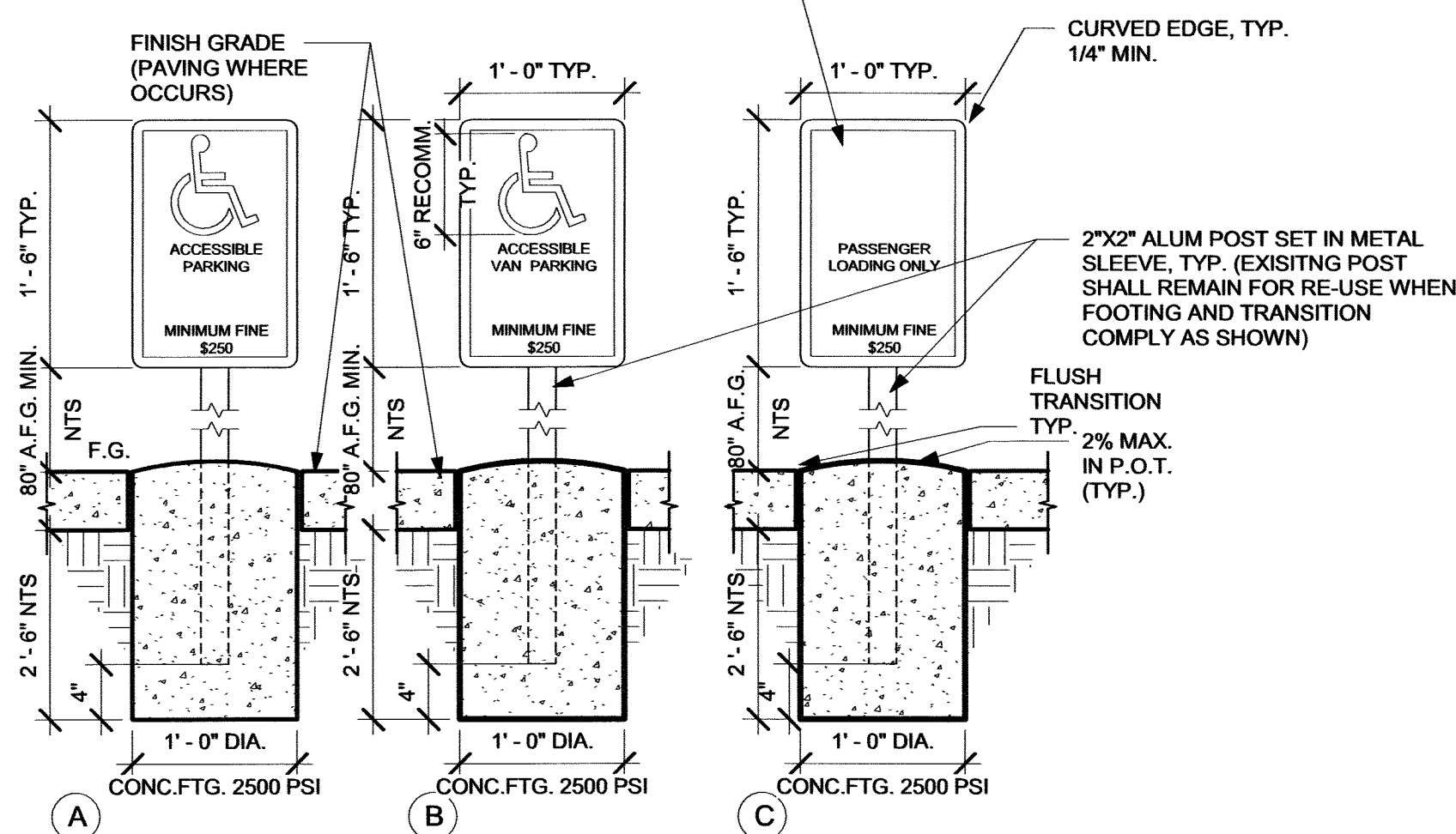
SYCAMORE CANYON SCHOOL
 3-CLASSROOM ADDITION
 SANTEE SCHOOL DISTRICT

OVERALL FIRE ACCESS SITE PLAN

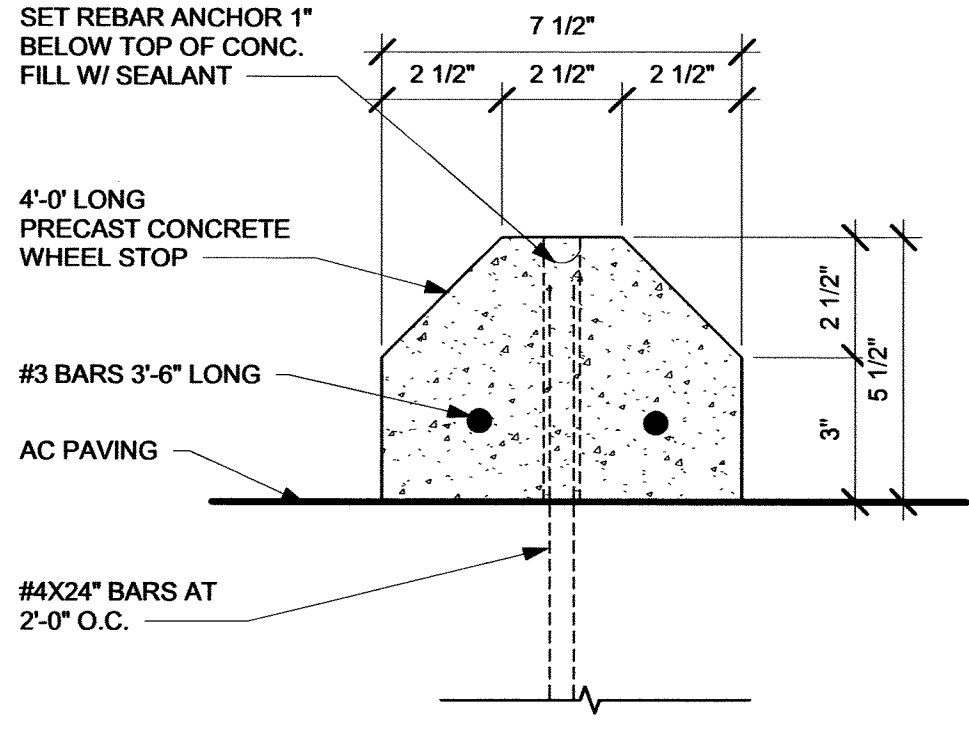
Drawn:
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 Checker:
 Date:
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A1.2

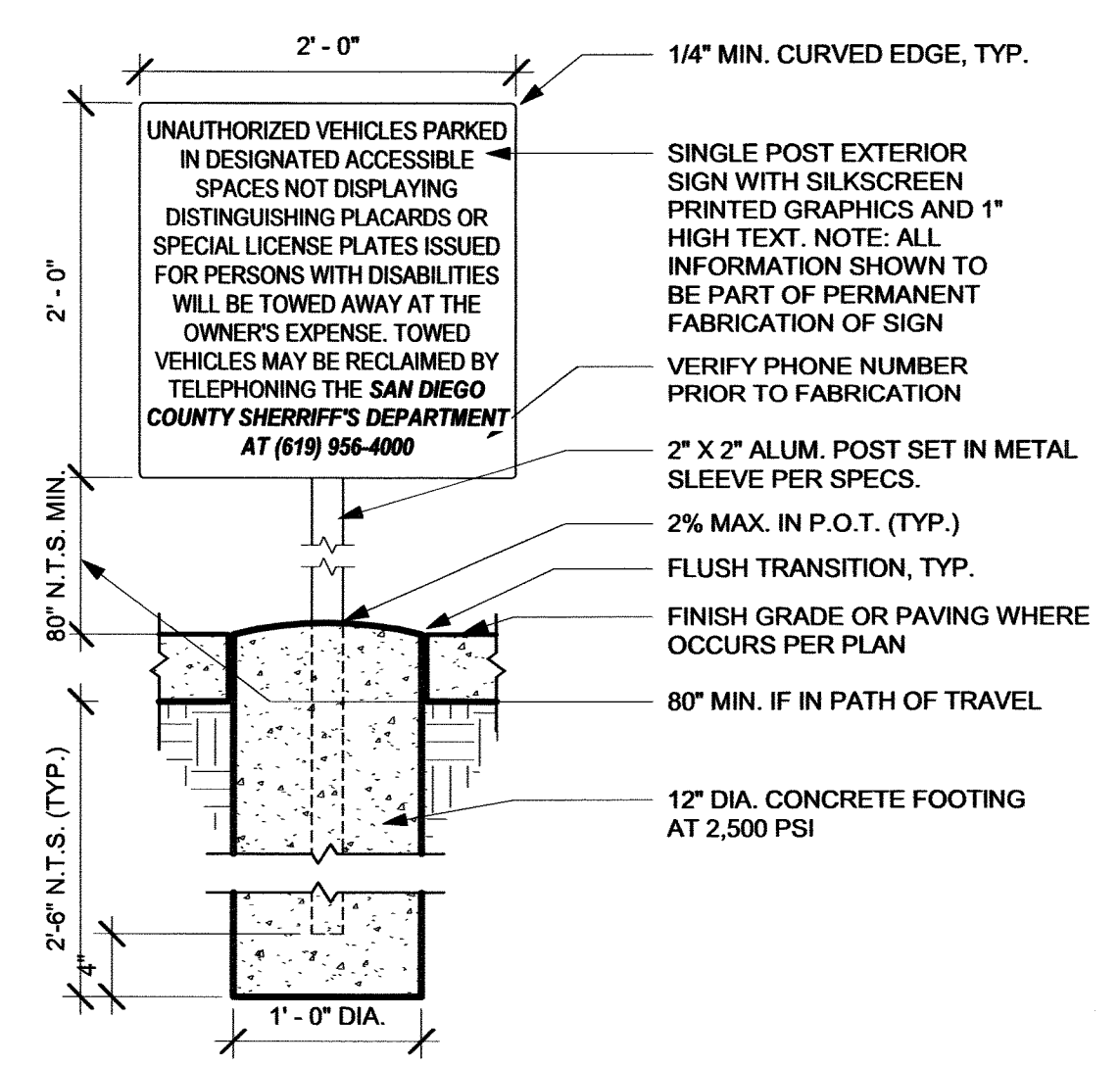
SINGLE POST EXTERIOR SIGN WITH SILKSCREEN PRINTED GRAPHICS, PICTOGRAM, 2" TEXT AND BORDER SHALL BE REFLECTIVE WHITE. THE BACKGROUND SHALL BE BLUE EQUAL TO COLOR # 15090 IN FEDERAL STANDARD 595C



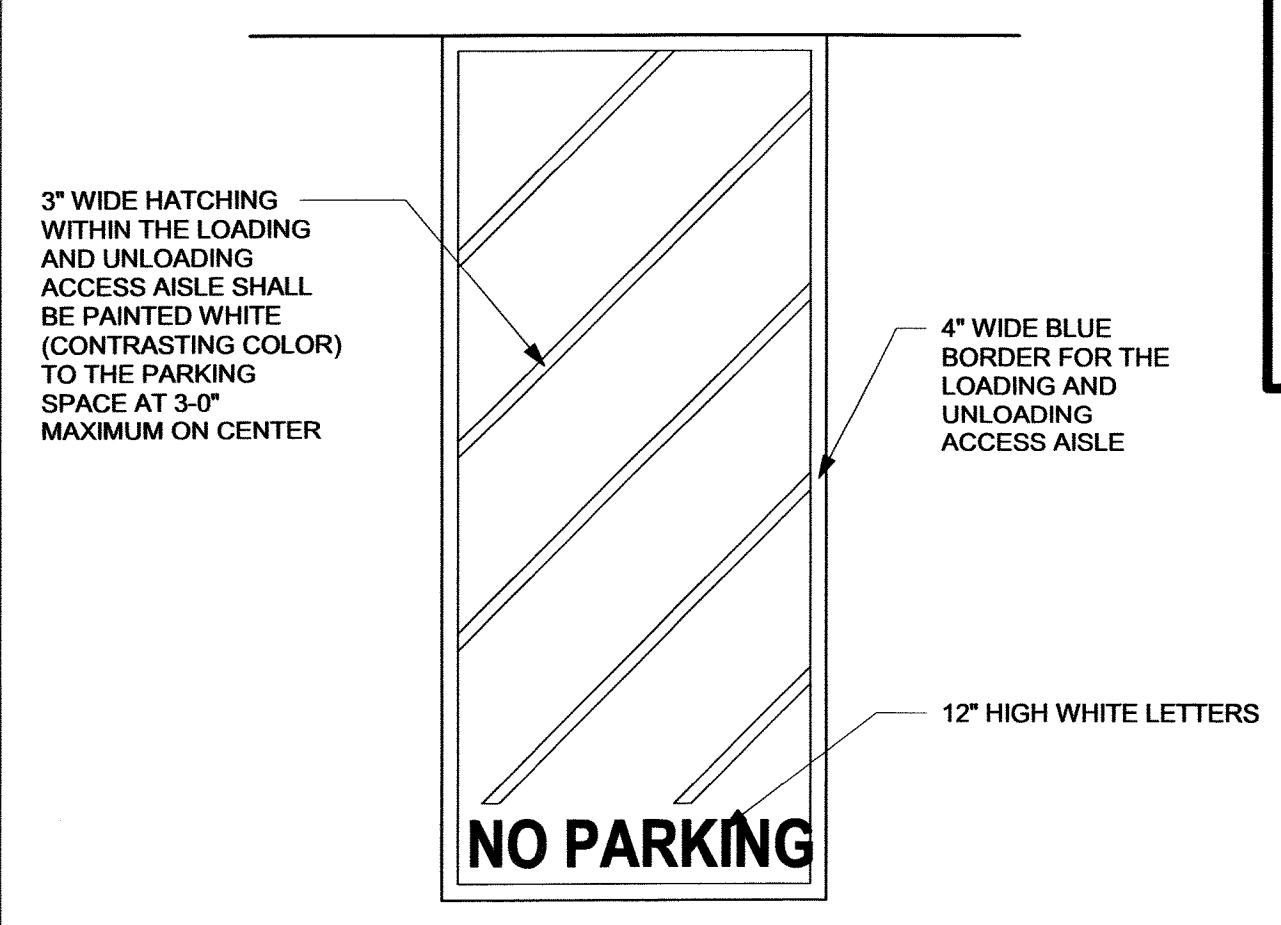
ACCESSIBLE PARKING SIGN 1" = 1'-0" 2



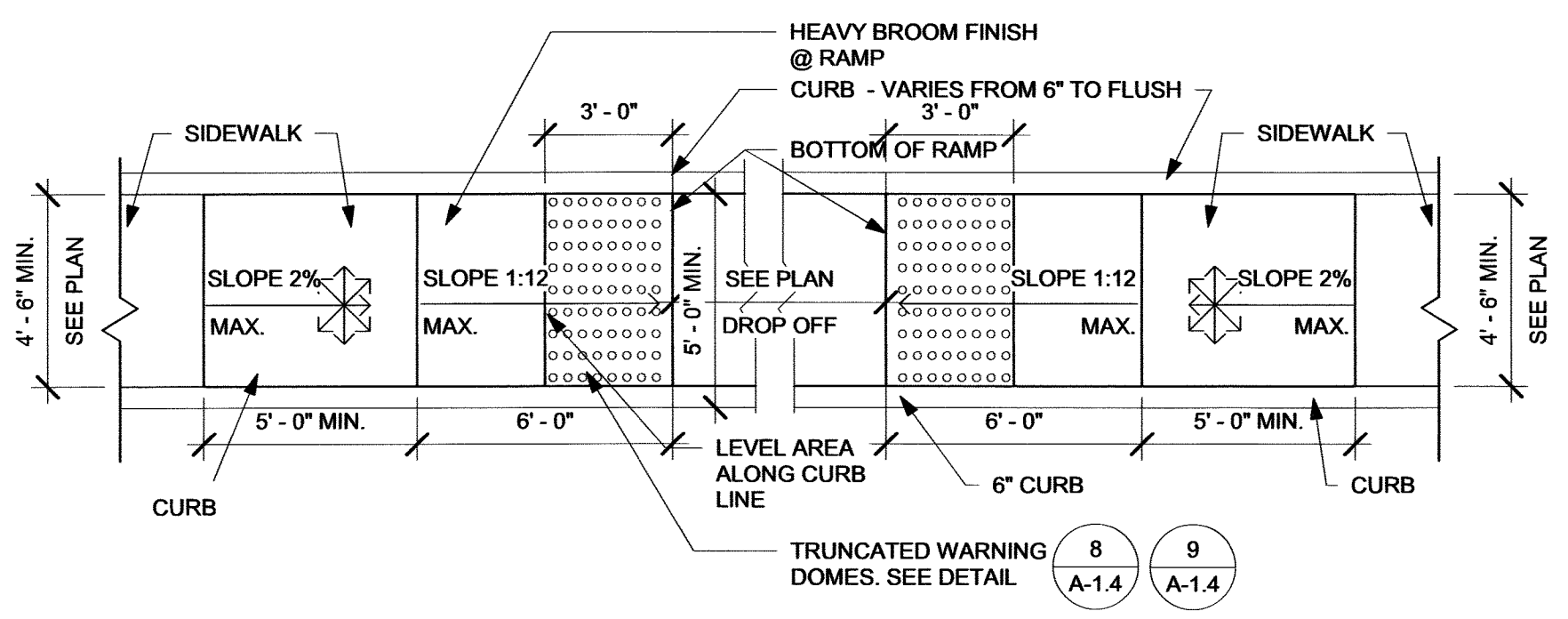
PARKING STOP 3" = 1'-0" 3



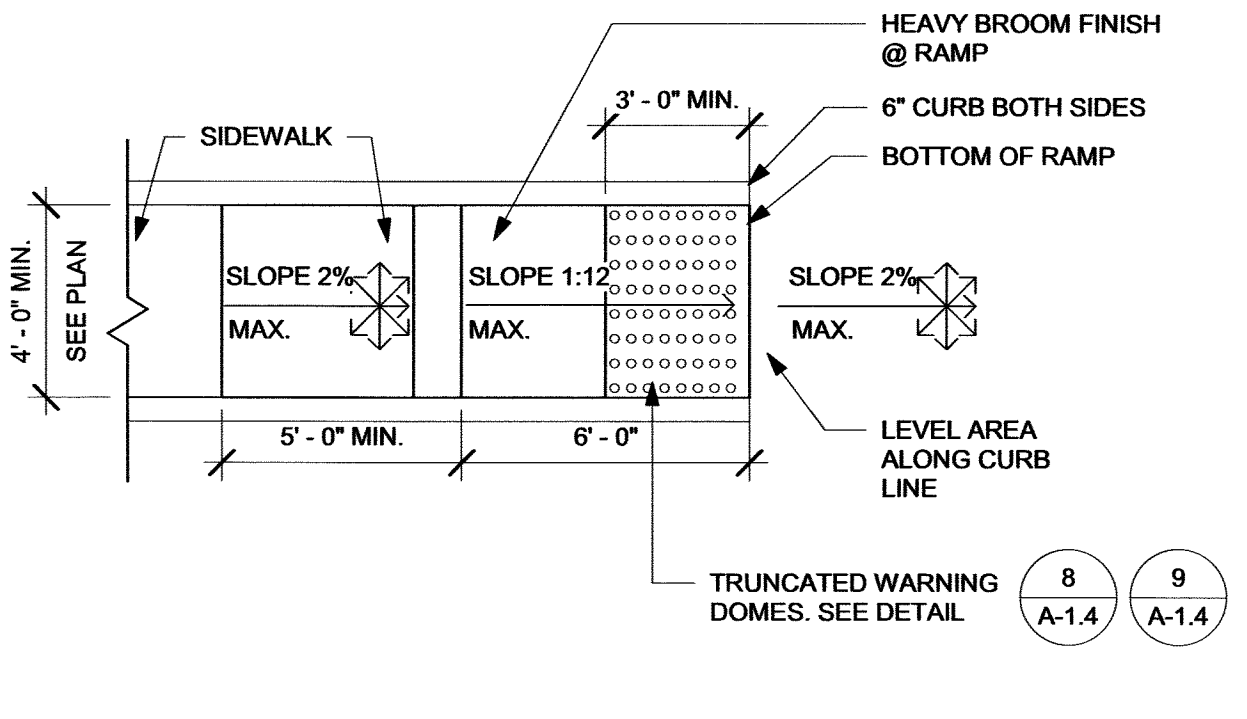
TOW-AWAY SIGN 1" = 1'-0" 4



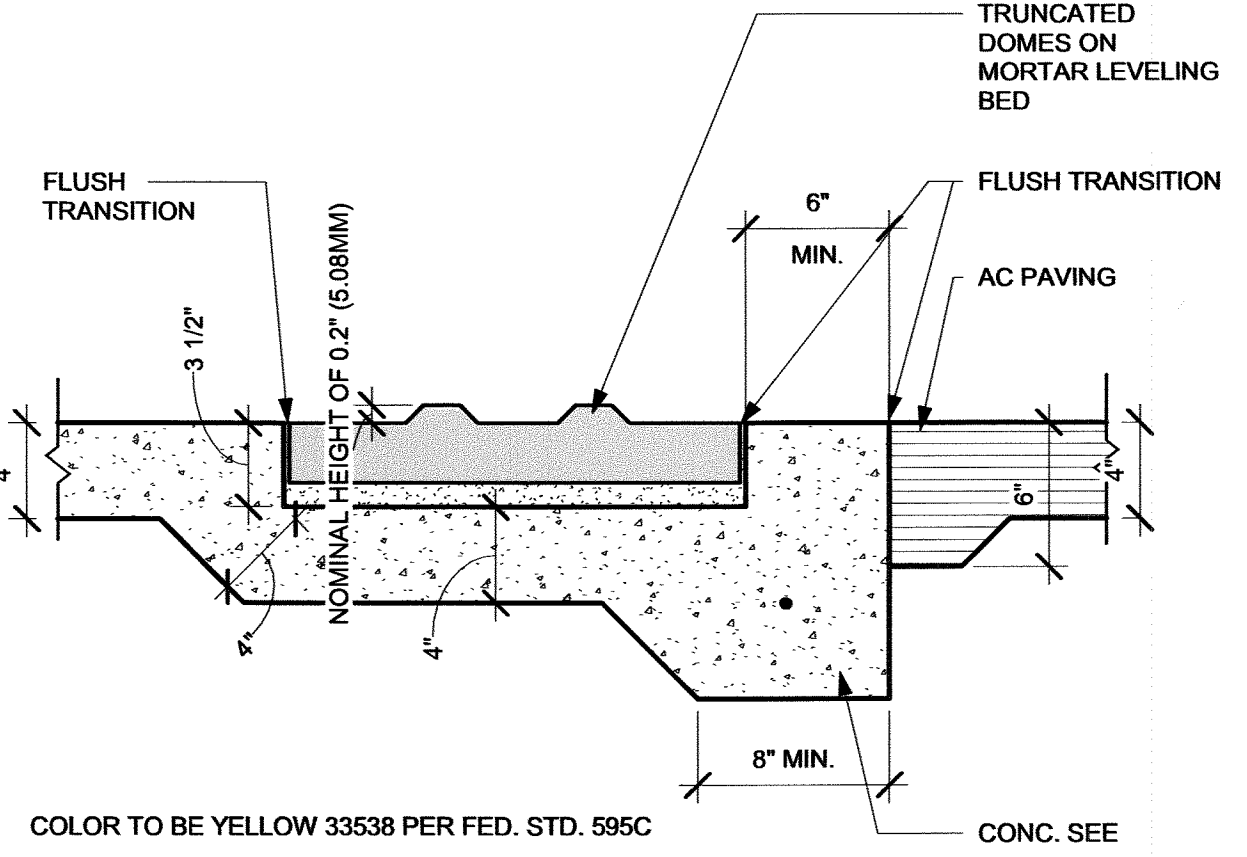
STRIPING REQUIREMENTS 1/4" = 1'-0" 5



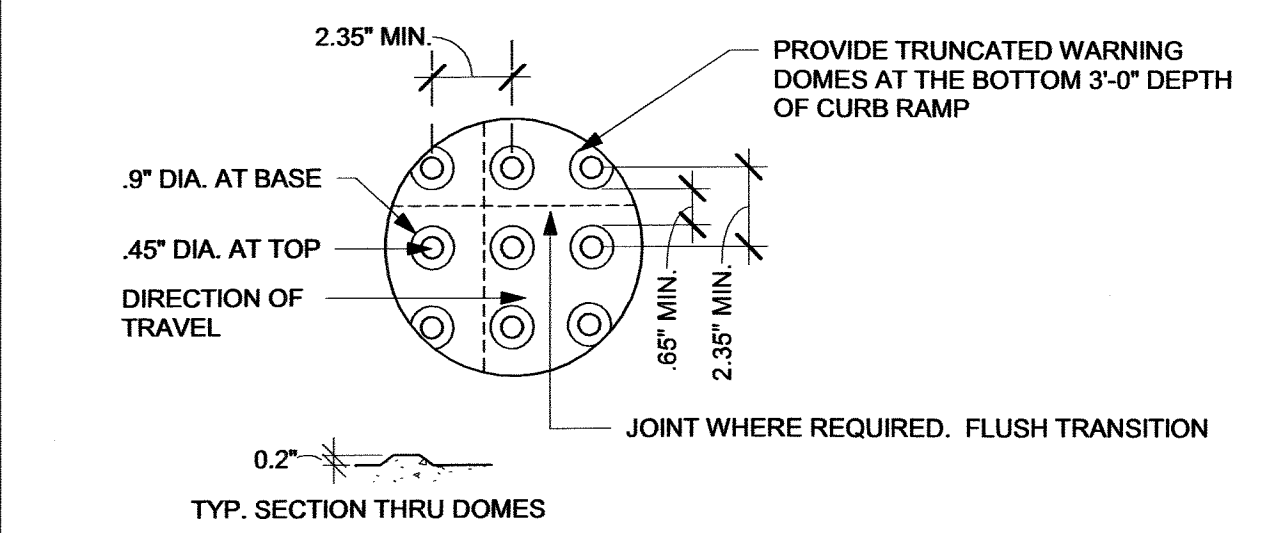
STRAIGHT RUN CURB RAMP/DROP OFF 1/4" = 1'-0" 6



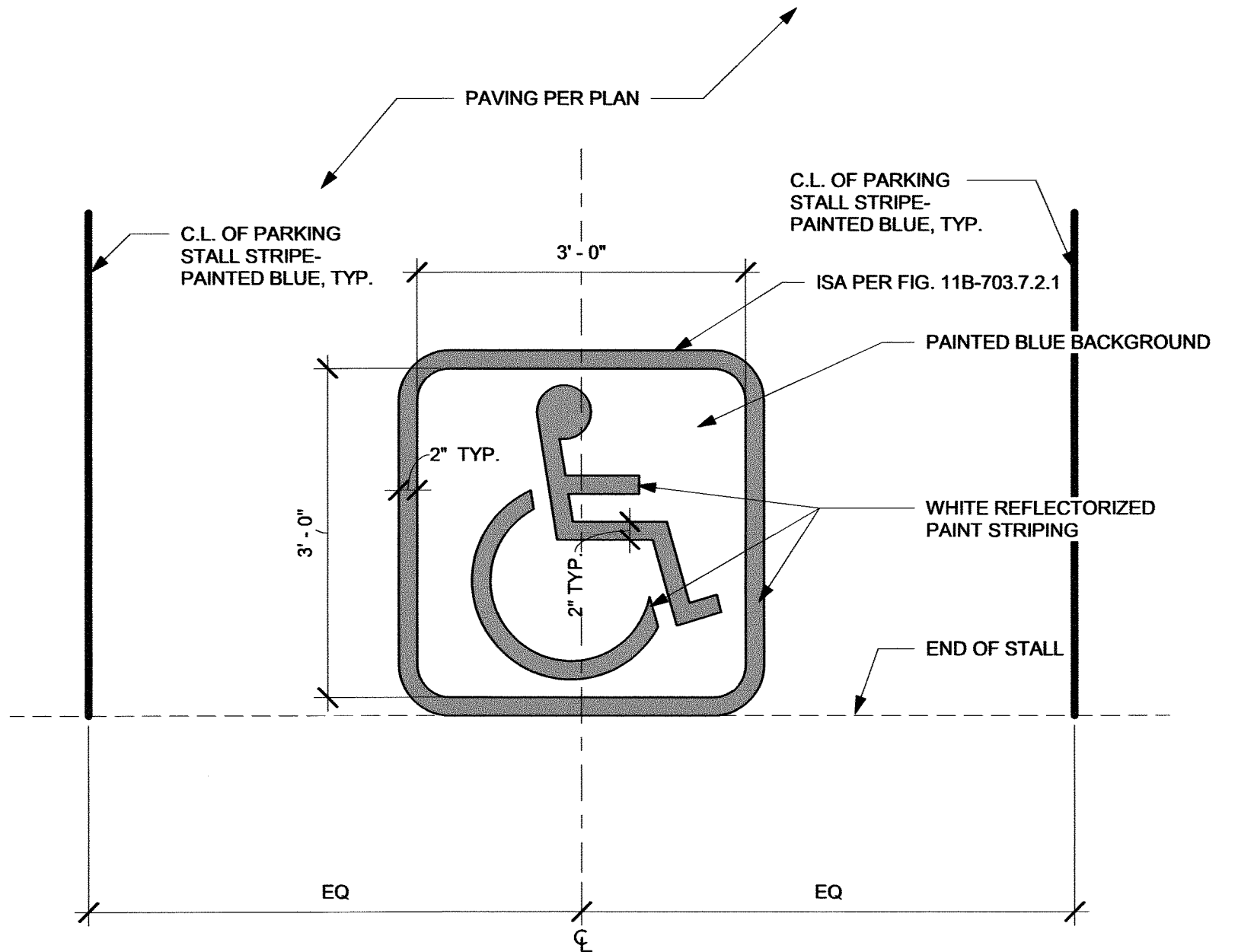
STRAIGHT RUN CURB RAMP 1/4" = 1'-0" 7



TRUNCATED DOMES AT PAVING 1 1/2" = 1'-0" 8

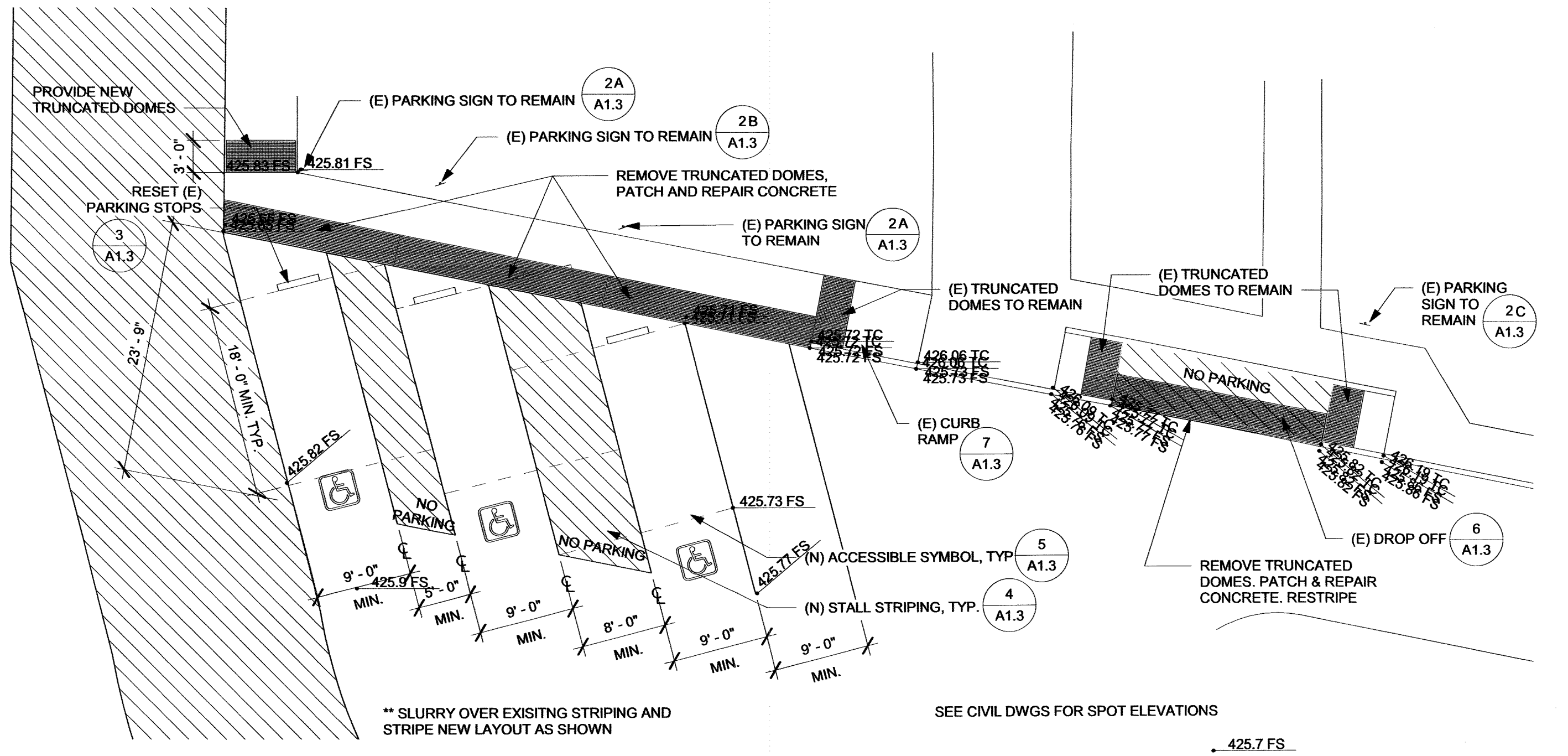


TRUNCATED DOMES DTL VIEW 1/4" = 1'-0" 9



NOTE: EACH ACCESSIBLE PARKING STALL SHALL ALSO BE IDENTIFIED BY A SIGN (A OR B) PER DETAIL
BLUE COLOR SHALL CONFORM TO COLOR No. 15090 OF FED. STD. 595C

SYMBOL OF ACCESSIBILITY 3/4" = 1'-0" 10

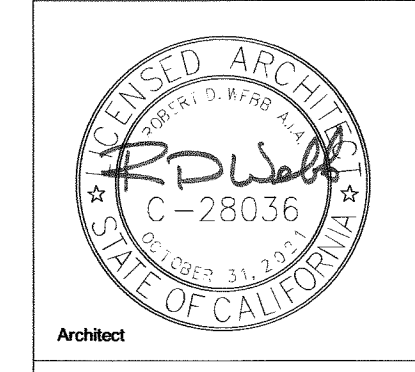


ENLARGED PARKING PLAN PER A#0-118743 1" = 10'-0" 1

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04 119164
ACS 2 FLS 42 SS
DATE MAR 12 2008

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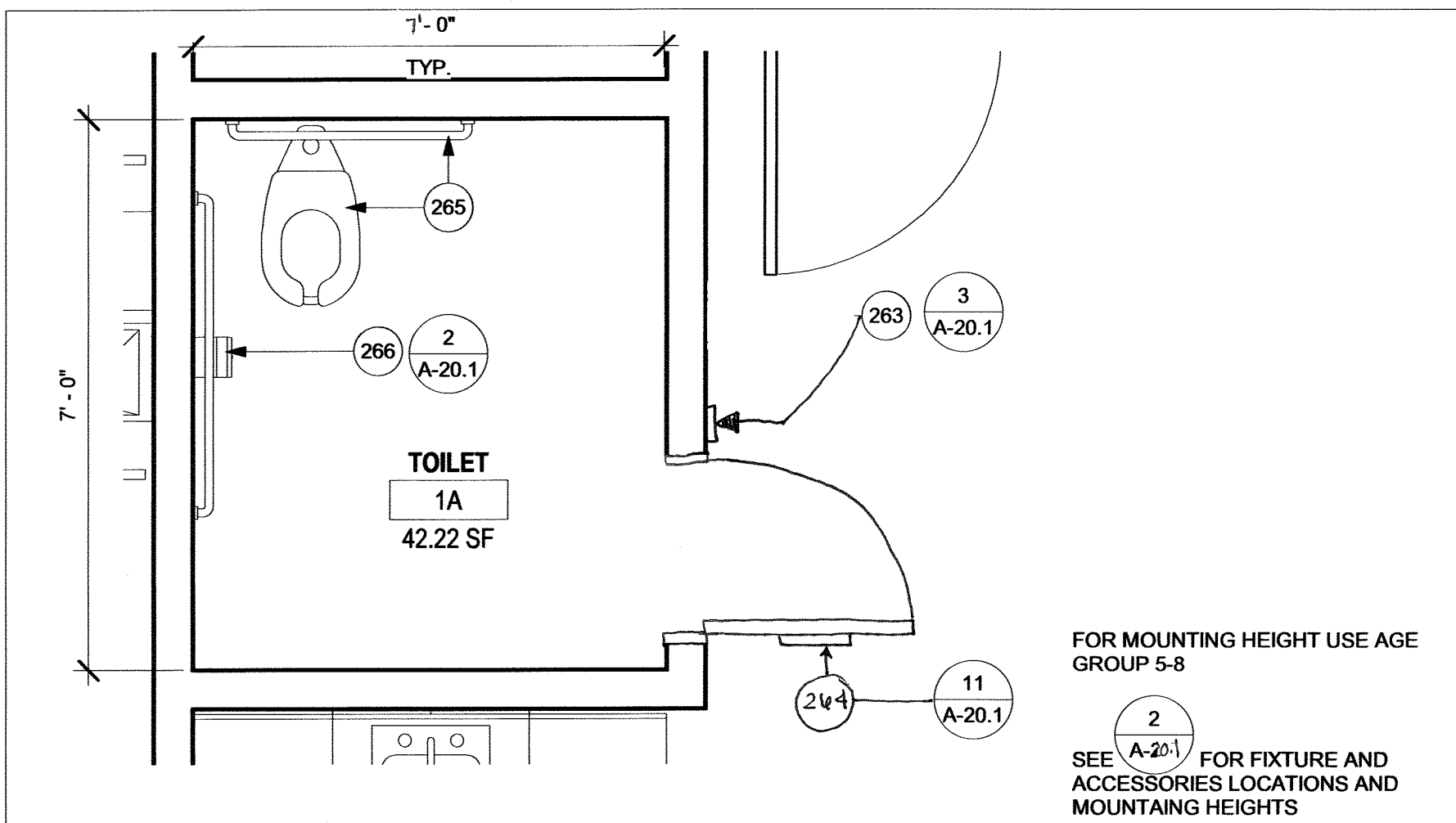
SYCAMORE CANYON SCHOOL
3-CLASSROOM ADDITION
SANTEE SCHOOL DISTRICT

**ENLARGED PARKING
PLAN & DETAILS**

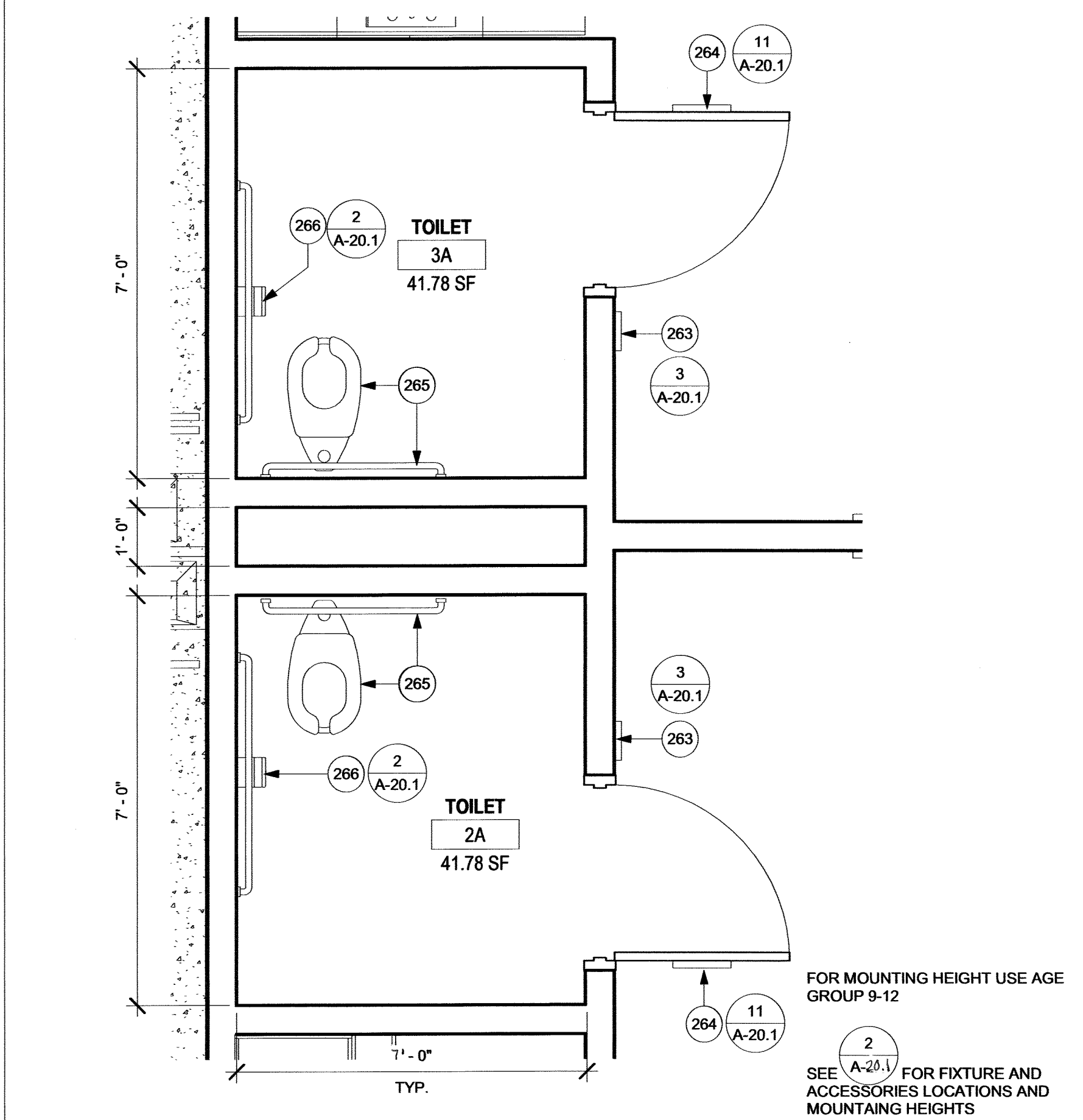
Drawn: Author
Checked: Checker
Date:

Job:

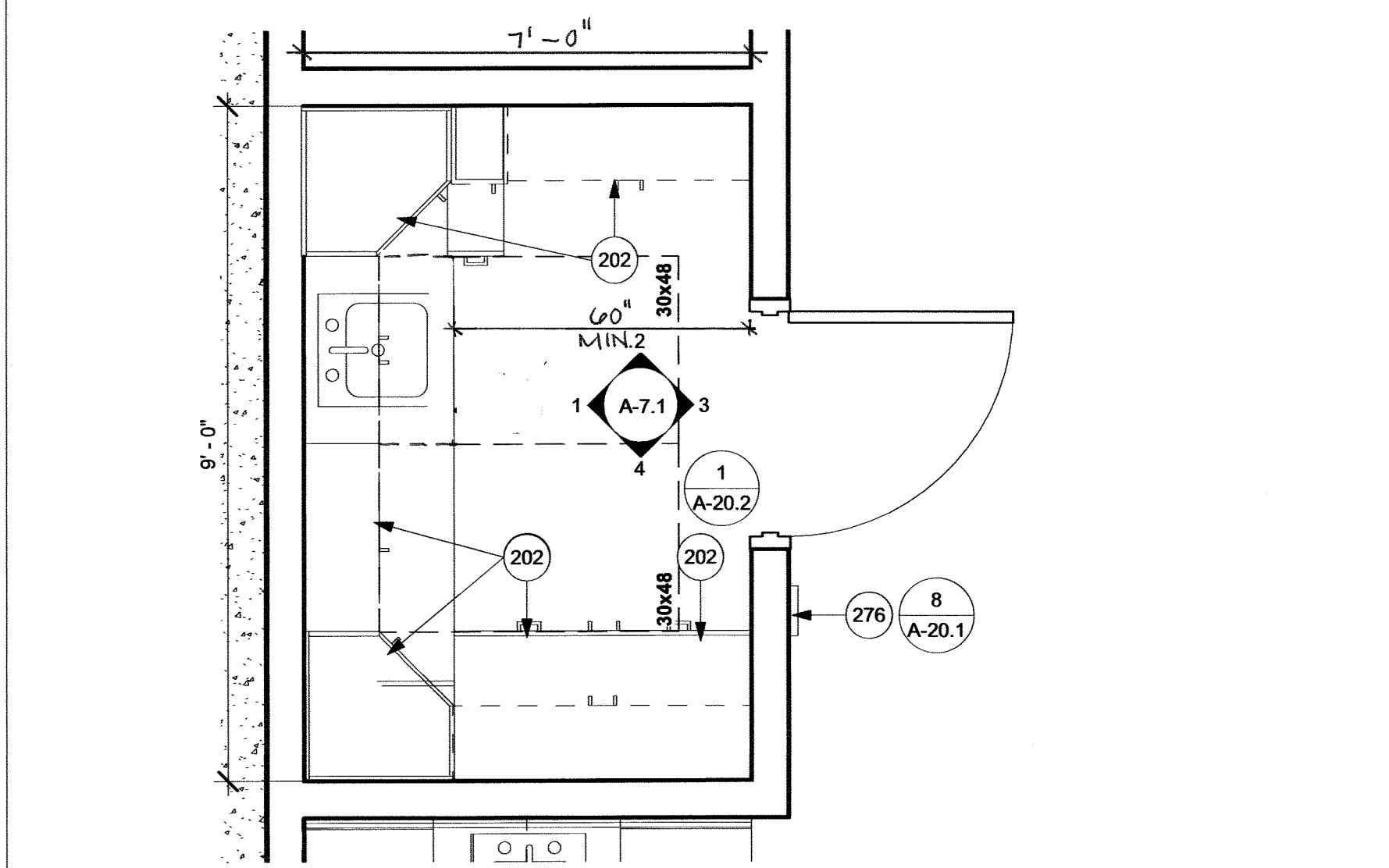
A-1.4



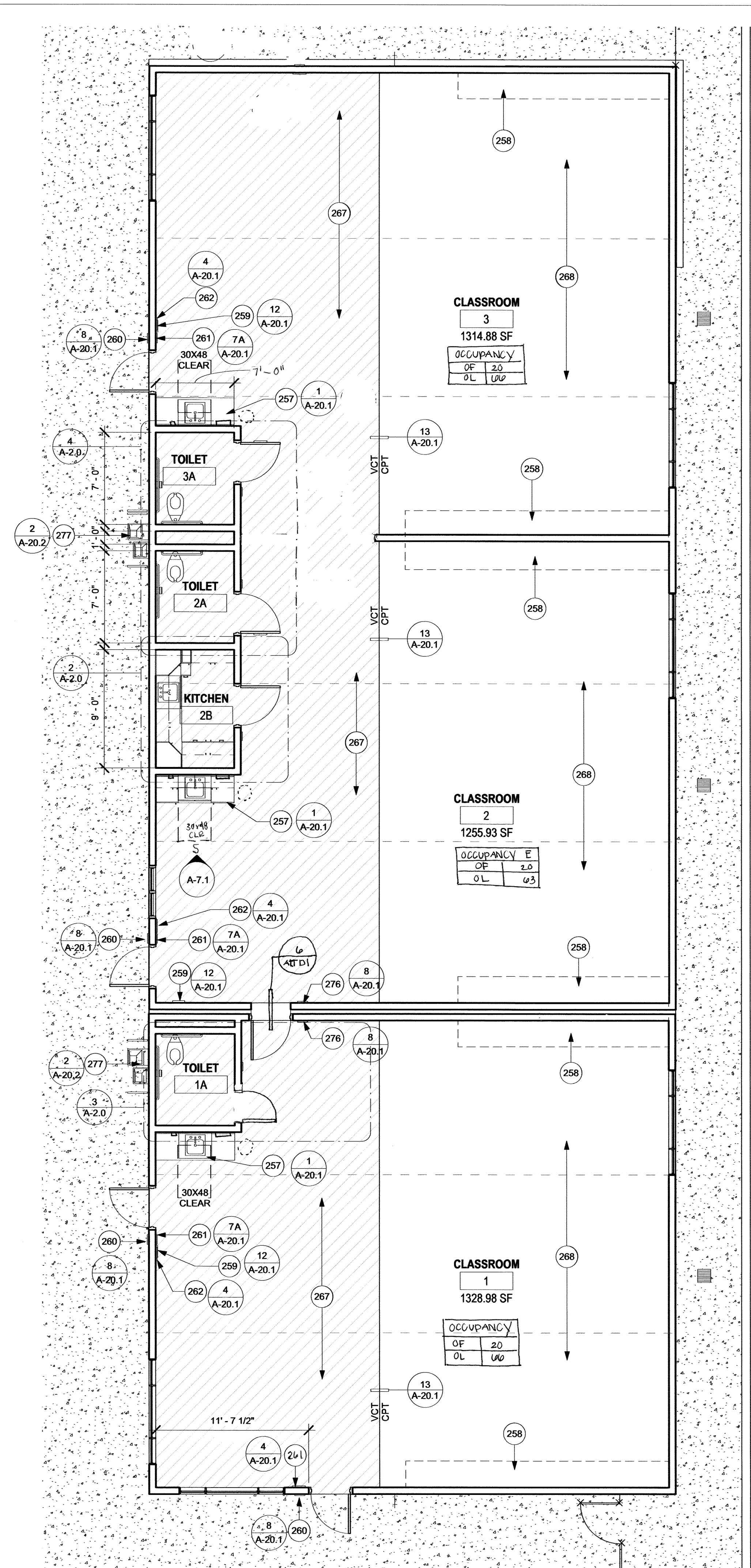
ENLARGED TOILET ROOM PLAN 1 1/2" = 1'-0" 3



ENLARGED TOILET ROOM PLAN 2 & 3 1/2" = 1'-0" 4



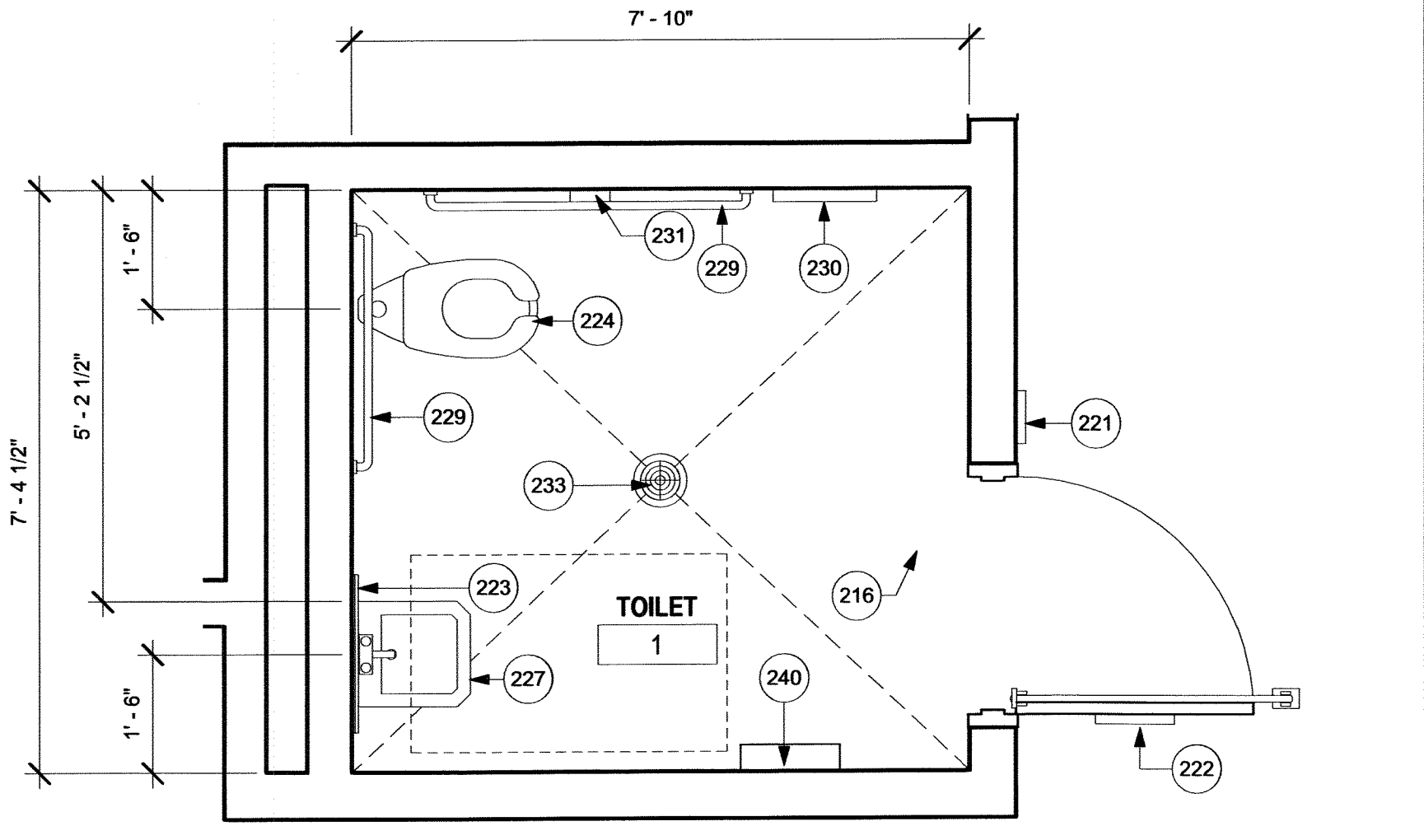
ENLARGED KITCHEN FLOOR PLAN 1/2" = 1'-0" 2



OVERALL FLOOR PLAN 3/16" = 1'-0" 1

- ### KEYNOTES
- 201 ACCESSIBLE SINK CASEWORK - SEE INT. ELEVATIONS
 - 202 CASEWORK - SEE INT. ELEVATIONS
 - 257 ACCESSIBLE CASEWORK WITH SINK PROVIDED BY CONTRACTOR, PER DETAIL REFD ON PLAN
 - 258 FUTURE CASEWORK, OFOI, BACKING WITHIN WALL PROVIDED BY BLDG MANUFACTURER, PER PC DRAWINGS
 - 259 SURFACE MOUNTED FIRE EXTINGUISHER PROVIDED BY CONTRACTOR, PER DETAIL REFD ON PLAN
 - 260 EXTERIOR WALL MOUNTED ROOM IDENTIFICATION SIGN PROVIDED BY CONTRACTOR, PER DETAIL REFD ON PLAN
 - 261 INTERIOR WALL MOUNTED EXIT SIGN TO BE PROVIDED BY CONTRACTOR, PER DETAIL REFD ON PLAN
 - 262 INTERIOR WALL MOUNTED ASSITVE LISTENING SIGN PROVIDED BY CONTRACTOR, PER DETAIL REFD ON PLAN
 - 263 INTERIOR WALL MOUNTED TOILET ROOM SIGN PROVIDED BY CONTRACTOR, PER DETAIL REFD ON PLAN
 - 264 INTERIOR DOOR MOUNTED TOILET ROOM SIGN PROVIDED BY CONTRACTOR, PER DETAIL REFD ON PLAN
 - 265 TOILET AND GRAB BARS PROVIDED BY BLDG MANUFACTURER, PER PC DRAWINGS
 - 266 TOILET TISSUE DISPENSER, BOBRICK B2888 PROVIDED BY CONTRACTOR PER DETAIL REFD ON PLAN
 - 267 RESILIENT FLOORING AND RUBBER BASE, PROVIDED BY BLDG MANUFACTURER
 - 268 CARPET FLOOR TILE AND RUBBER BASE PROVIDED BY BLDG MANUFACTURER
 - 276 INTERIOR WALL MOUNTED ROOM IDENTIFICATION SIGN PROVIDED BY CONTRACTOR, PER DETAIL REFD ON PLAN
 - 277 DRINKING FOUNTAIN

- ### KEYNOTES:
- 216 CERAMIC FLOOR TILE
 - 221 TOILET ROOM WALL SIGN, SEE DETAIL
 - 222 TOILET ROOM DOOR SIGN, SEE DETAIL
 - 223 MIRROR
 - 224 ACCESSIBLE TOILET, SEE PLUMBING
 - 227 ACCESSIBLE LAVATORY-SEE PLUMBING
 - 229 GRAB BAR
 - 230 SEAT COVER DISPENSER
 - 231 RECESSED TOILET TISSUE DISPENSER
 - 240 PAPER TOWEL AND TRASH DISPENSER COMBO UNIT, NOT TO EXCEED 4" PROJECTION FROM WALL



04-118743 TOILET ROOM 1/2" = 1'-0" 5

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SYCAMORE CANYON SCHOOL
3-CLASSROOM ADDITION
SANTEE SCHOOL DISTRICT

FLOOR PLANS

Drawn: Author
Checked: Checker
Date:

Job:
A-2.0

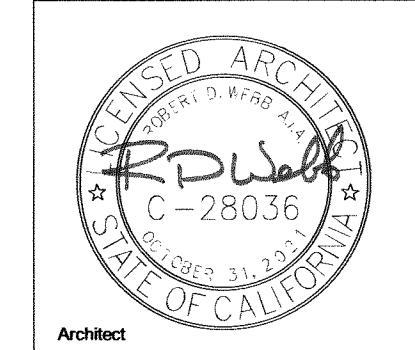
KEYNOTES

- 723 HOLLOW METAL DOOR FRAME
- 762 ACCESSIBLE SINK PROVIDED BY BLDG MANUF.
- 763 CASEWORK PROVIDED BY BLDG MANUFACTURER, PER PC DRAWINGS
- 777 30" REFRIGERATOR. OFCI. SHALL COMPLY WITH CBC 11B-904.6.6
- 778 PAPER TOWEL DISPENSER
- 779 SOAP DISPENSER
- 780 TRASH CAN, OPOL

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 04 119164
 ACS 27 FLS-12 SS
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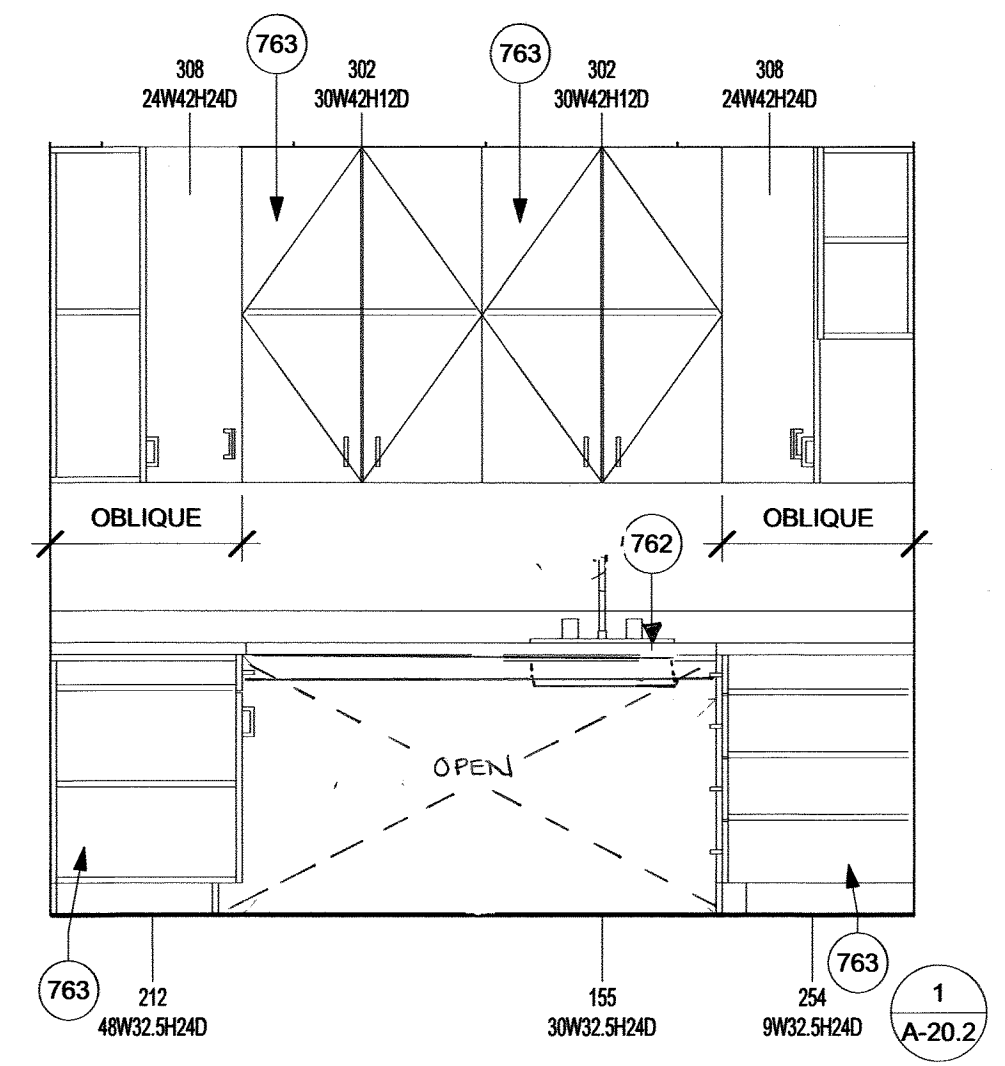


SYCAMORE CANYON SCHOOL
 3-CLASSROOM ADDITION
 SANTEE SCHOOL DISTRICT

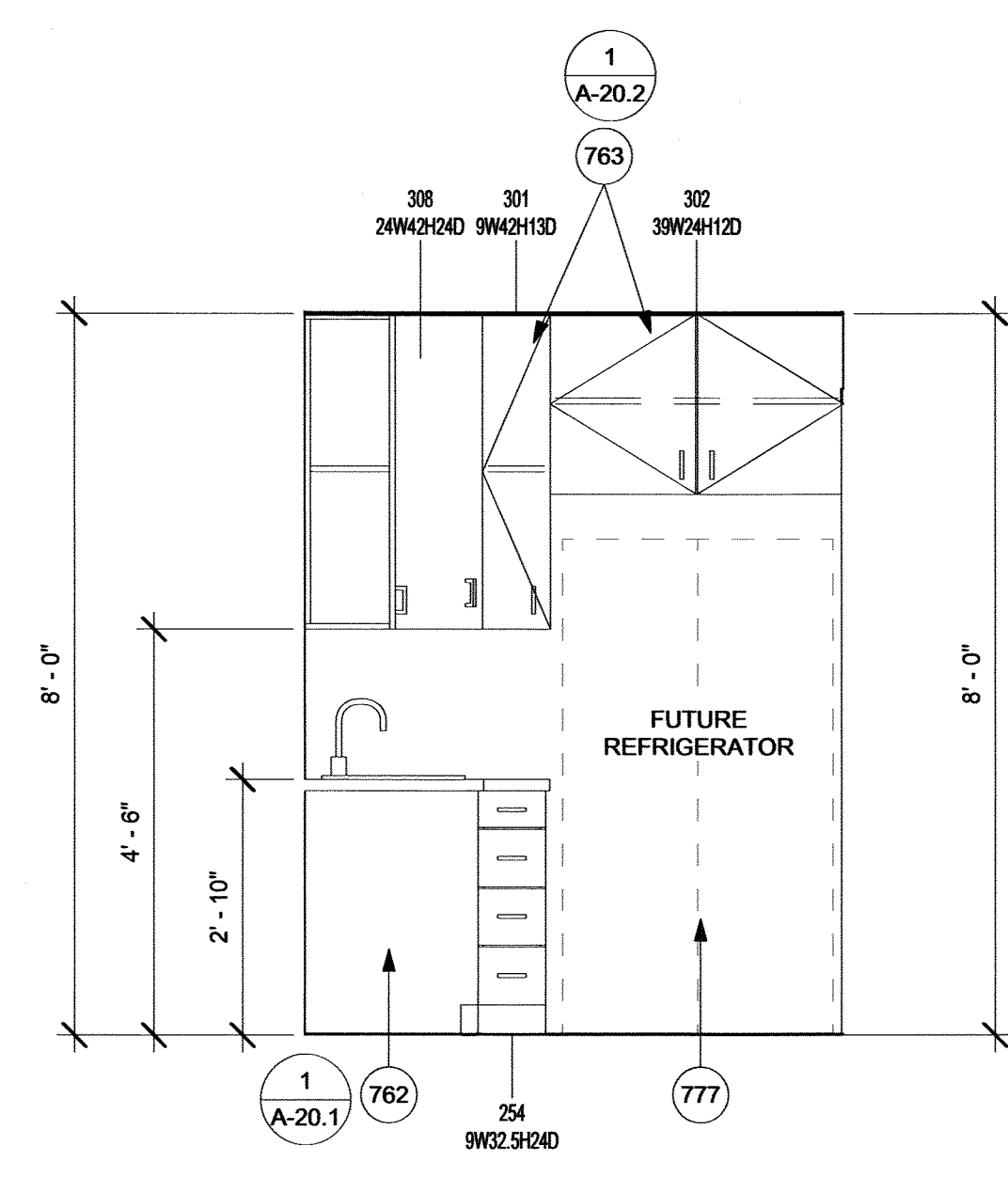
INTERIOR ELEVATIONS

Drawn: _____
 Author: _____
 Checked: _____
 Checker: _____
 Date: _____

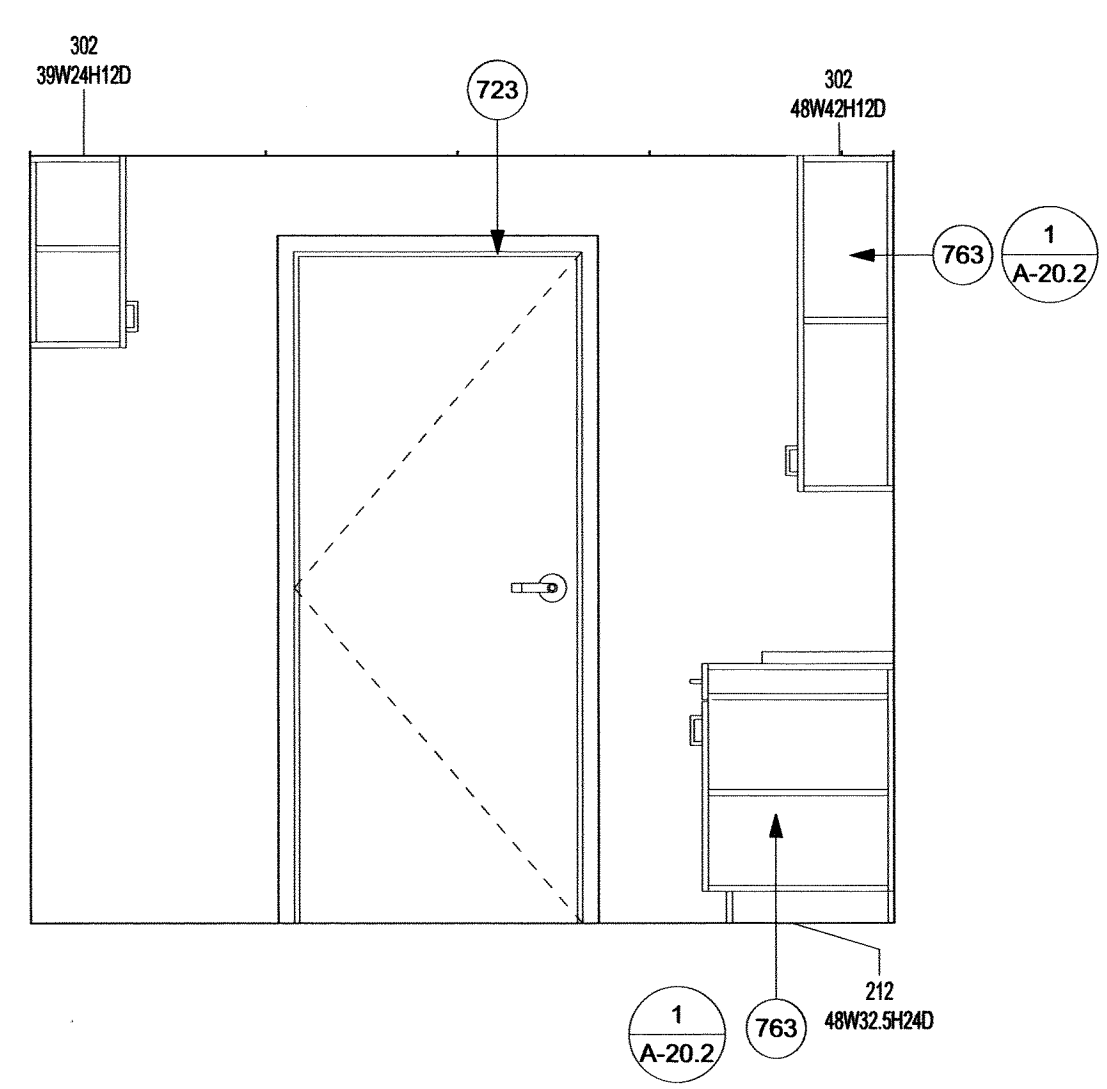
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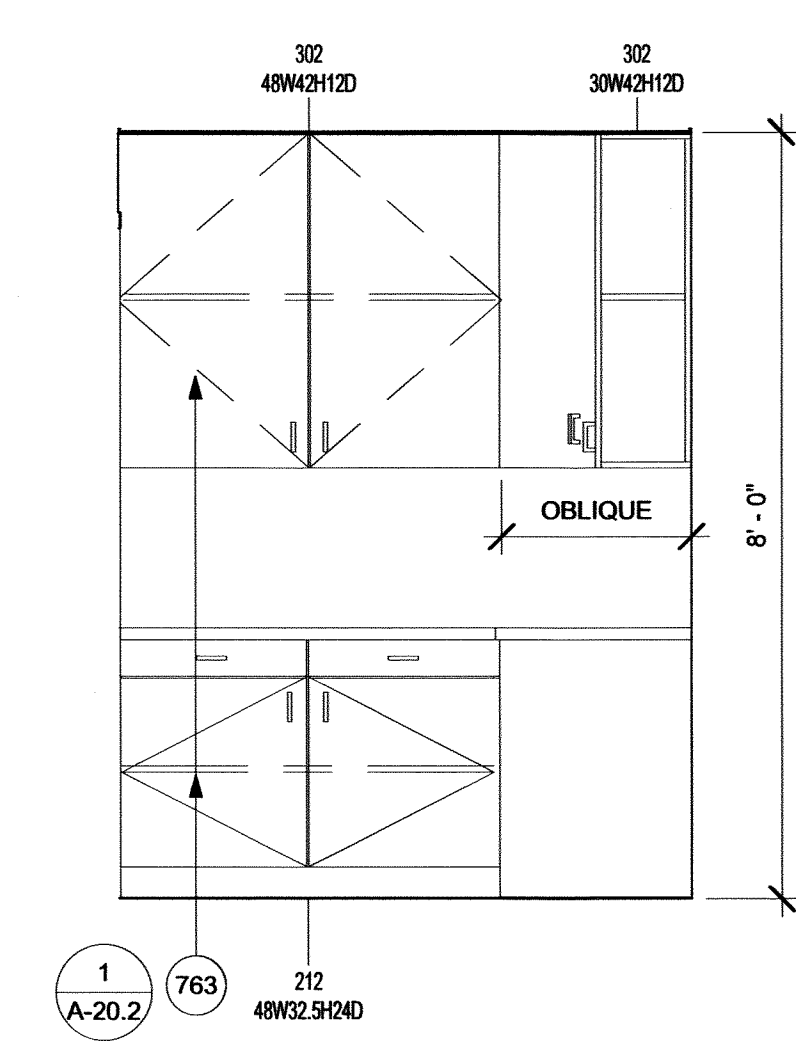
KITCHEN- WEST 1/2" = 1'-0" 1



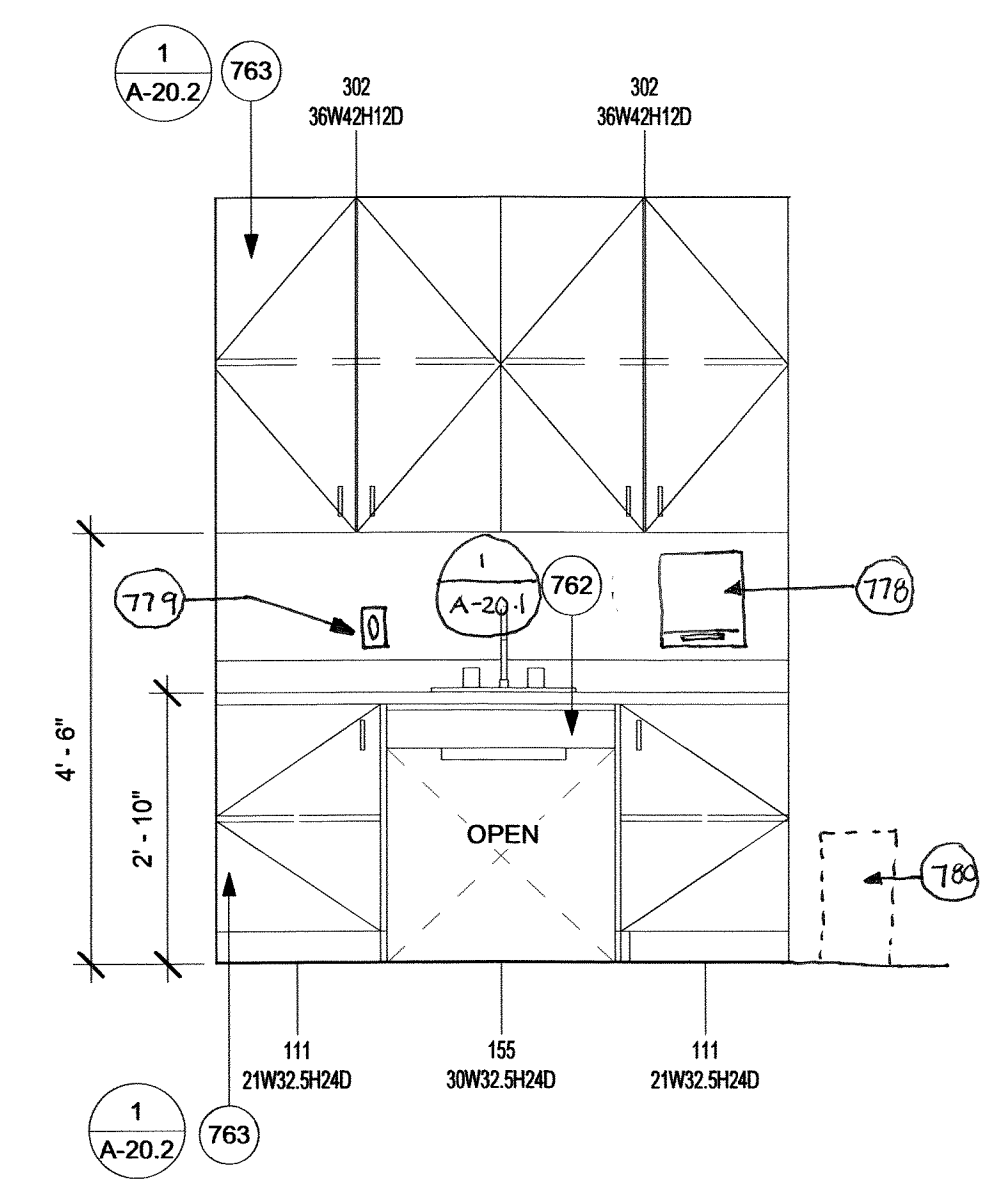
KITCHEN- NORTH 1/2" = 1'-0" 2



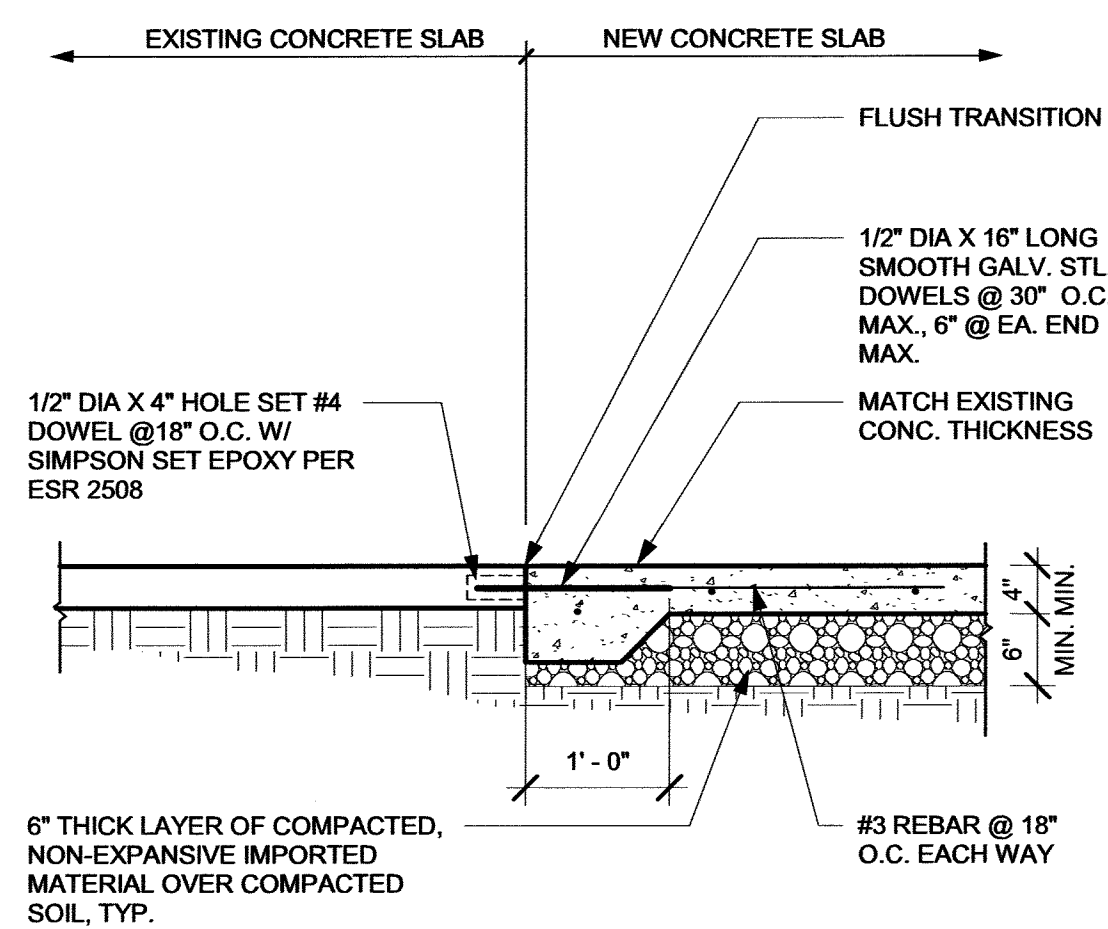
KITCHEN- EAST 1/2" = 1'-0" 3



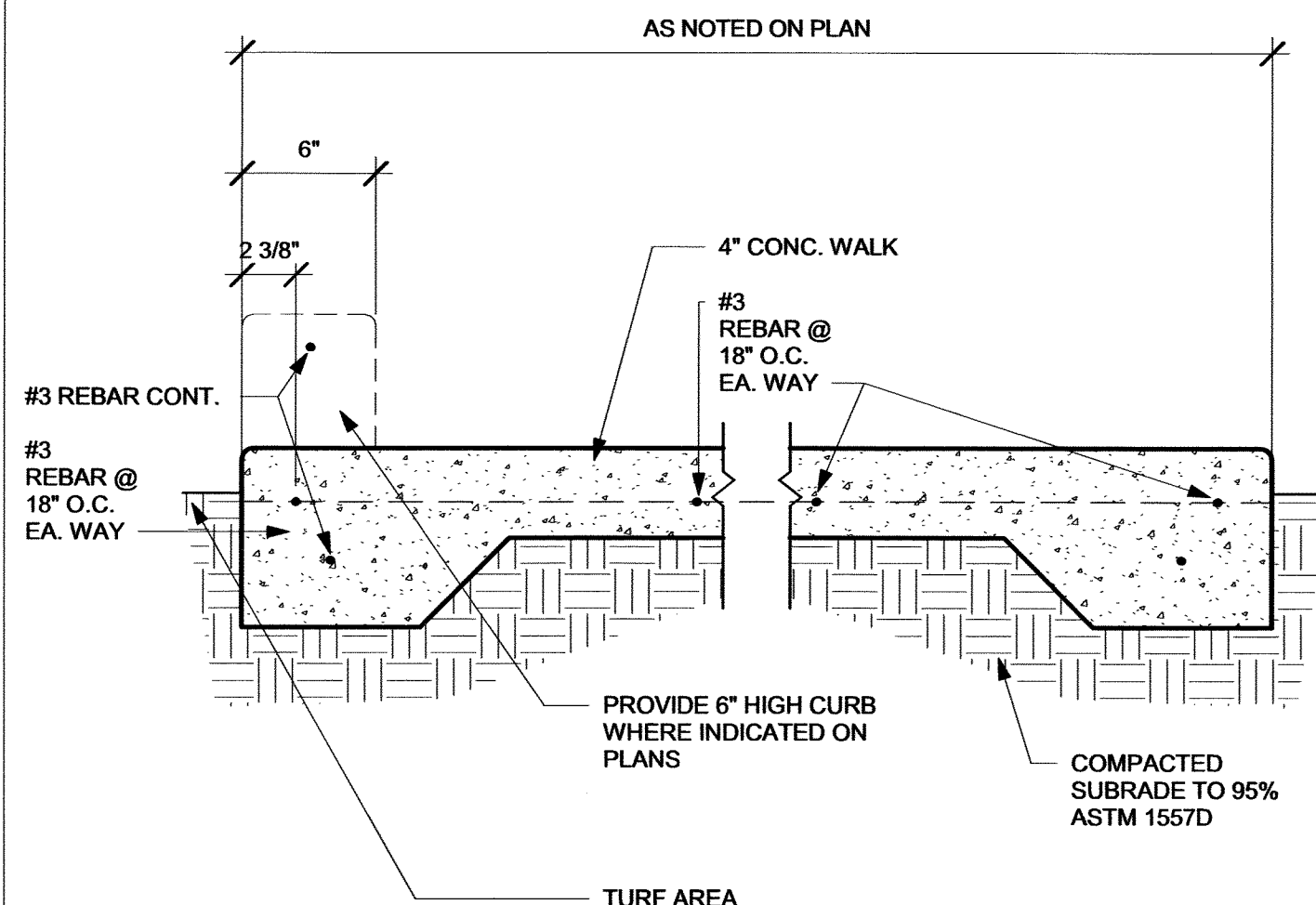
KITCHEN- SOUTH 1/2" = 1'-0" 4



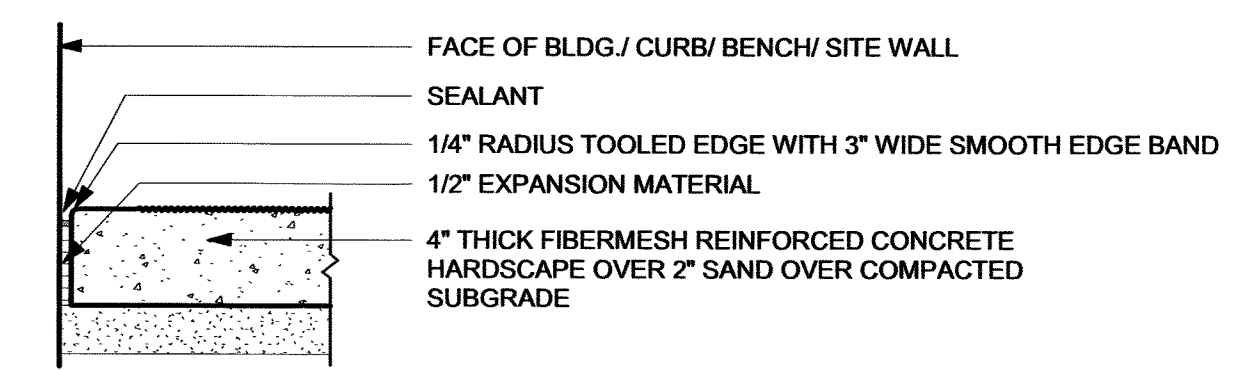
TYPICAL SINK ELEVATION 1/2" = 1'-0" 5



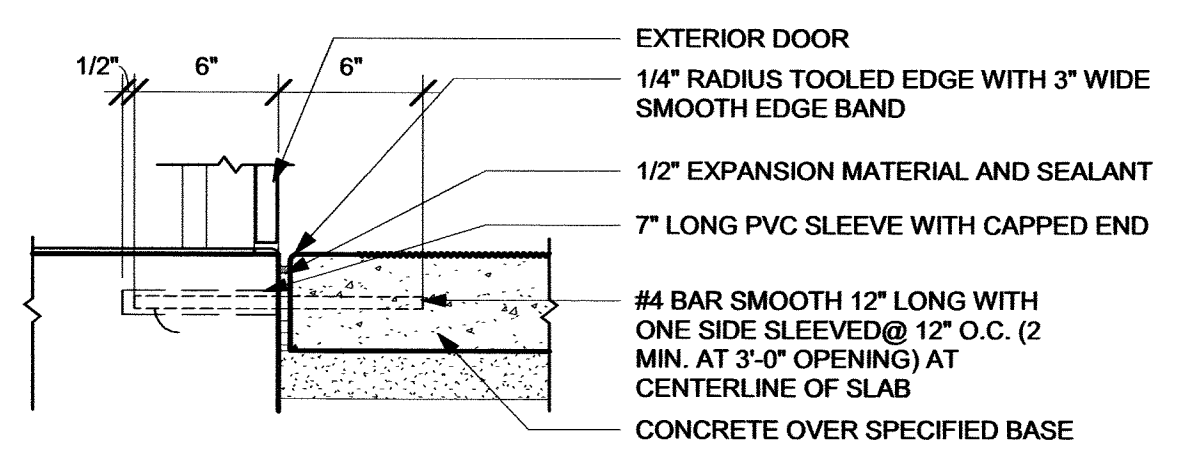
CONCRETE NEW TO EXIST. 3/4" = 1'-0" 1



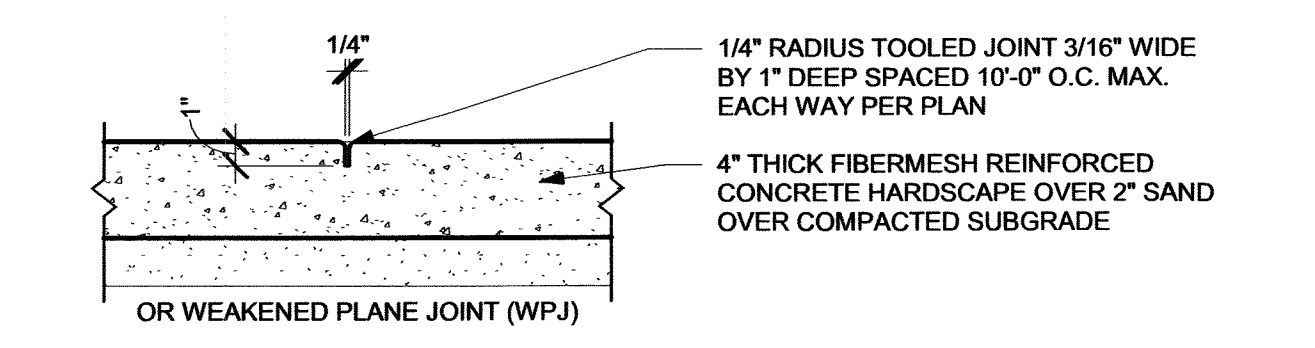
CONC. ACCESSIBLE WALK 1 1/2" = 1'-0" 2



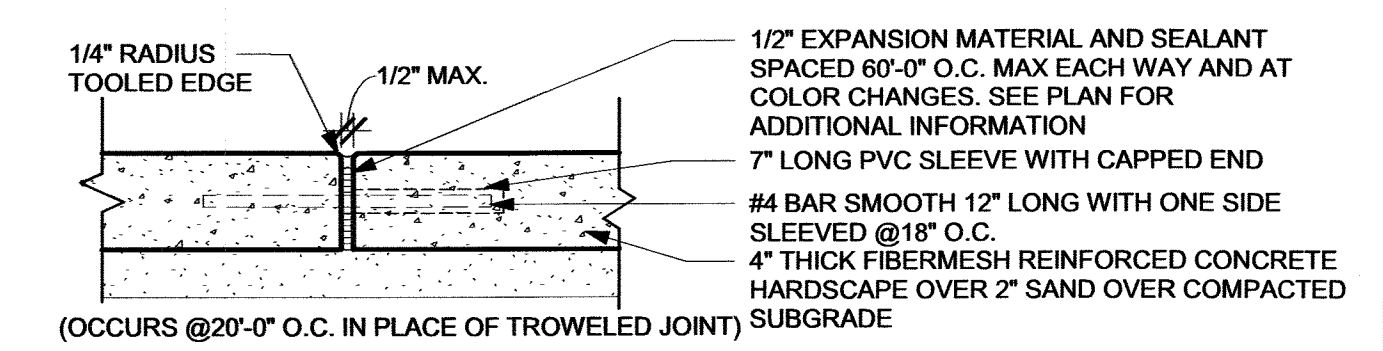
CONCRETE PAVING DETAILS 1 1/2" = 1'-0" 3A



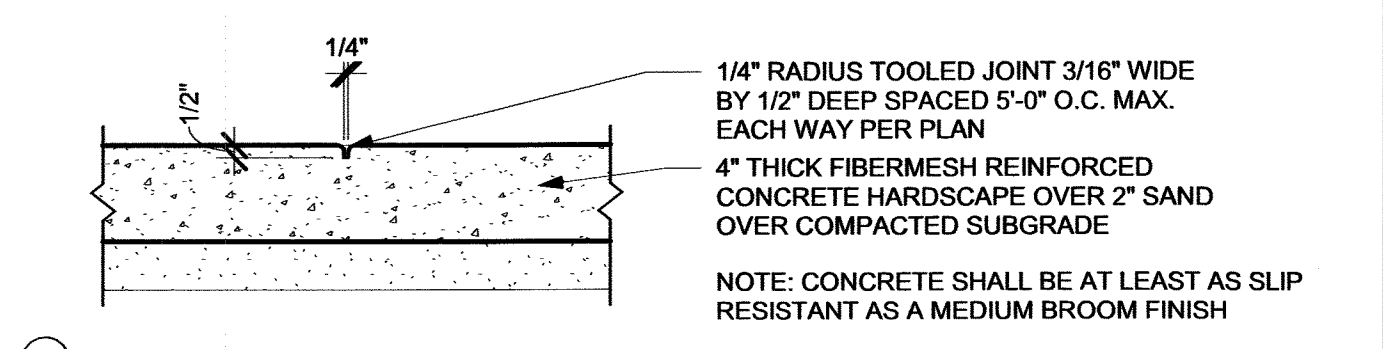
CONCRETE PAVING DETAILS 1 1/2" = 1'-0" 3B



(A) CONTROL JOINT

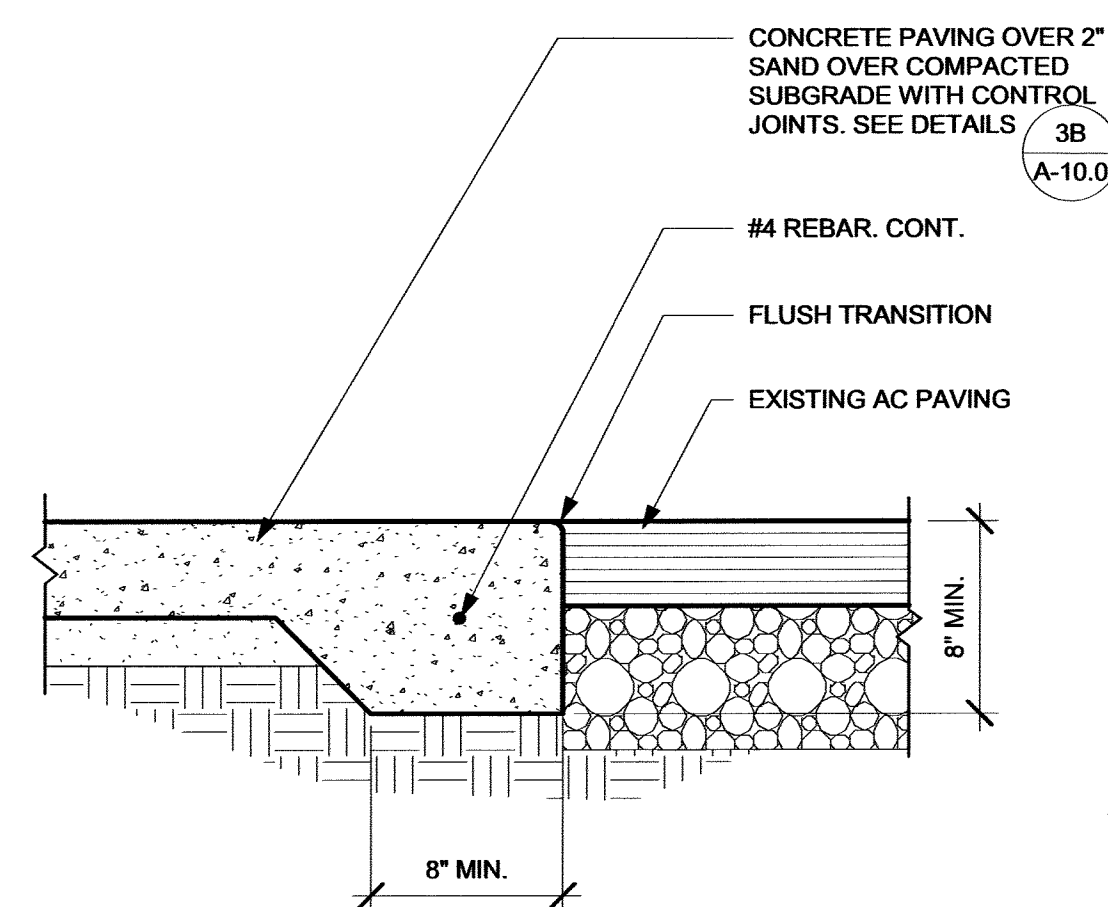


(B) EXPANSION JOINT

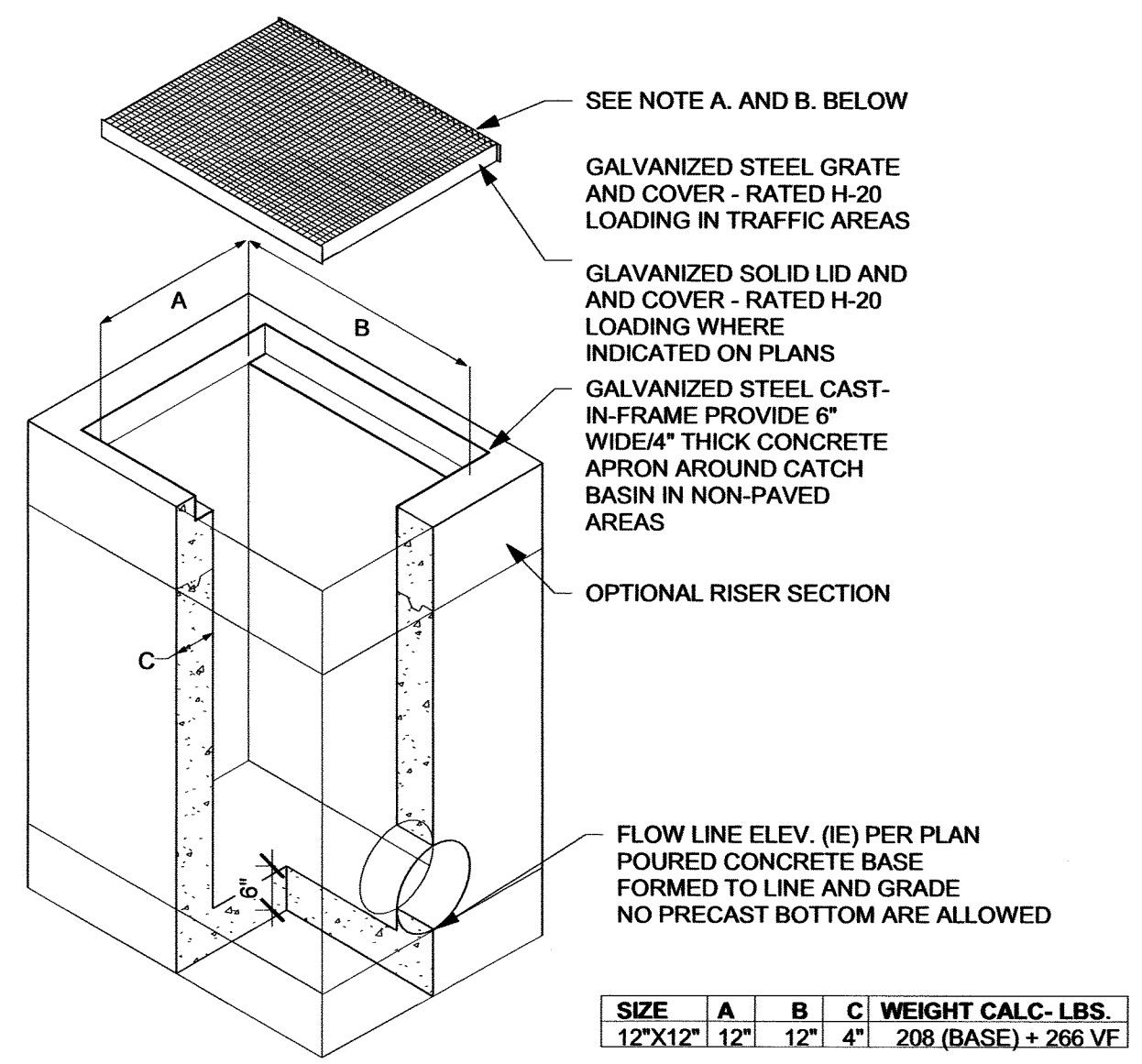


(C) TROWELED JOINT

CONCRETE JOINTS 1 1/2" = 1'-0" 4

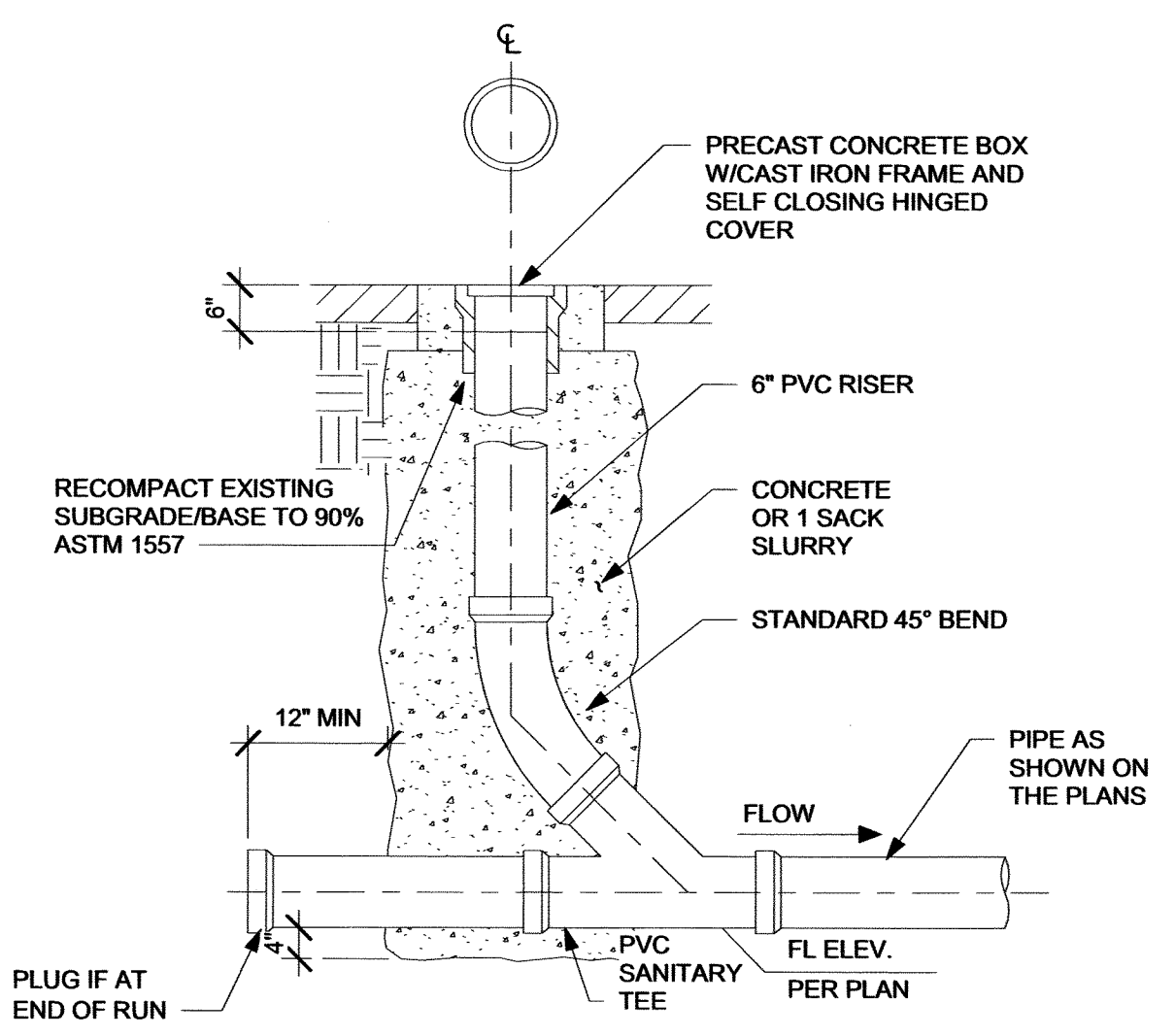


PAVING TRANS- CONC TO ASPHALT 1 1/2" = 1'-0" 5

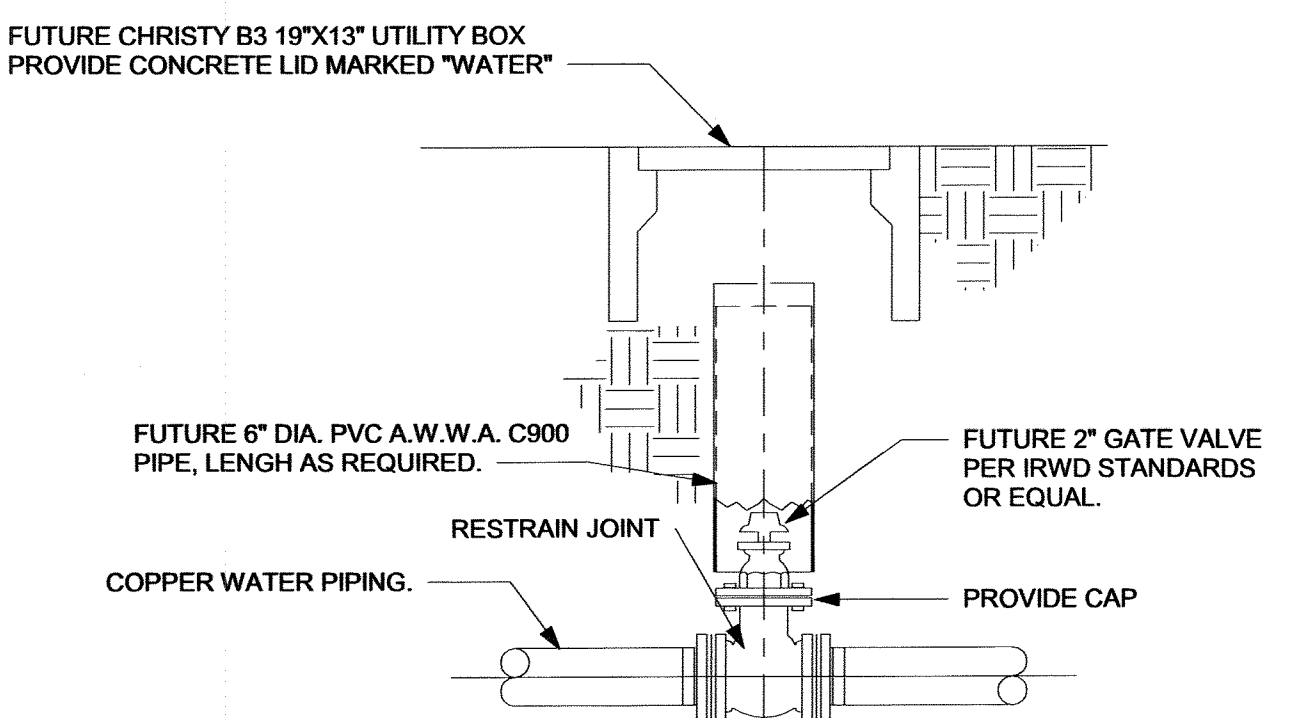


NOTES:
 A. IRONAGE REGULAR JOE - 16" X 16" HEEL PROOF IN CAST ALUMINUM
 B. JEN - GRATES IN GRASS SHALL BE NEENAH FOUNDRY 24 X 24 HEAVY DUTY GRATE

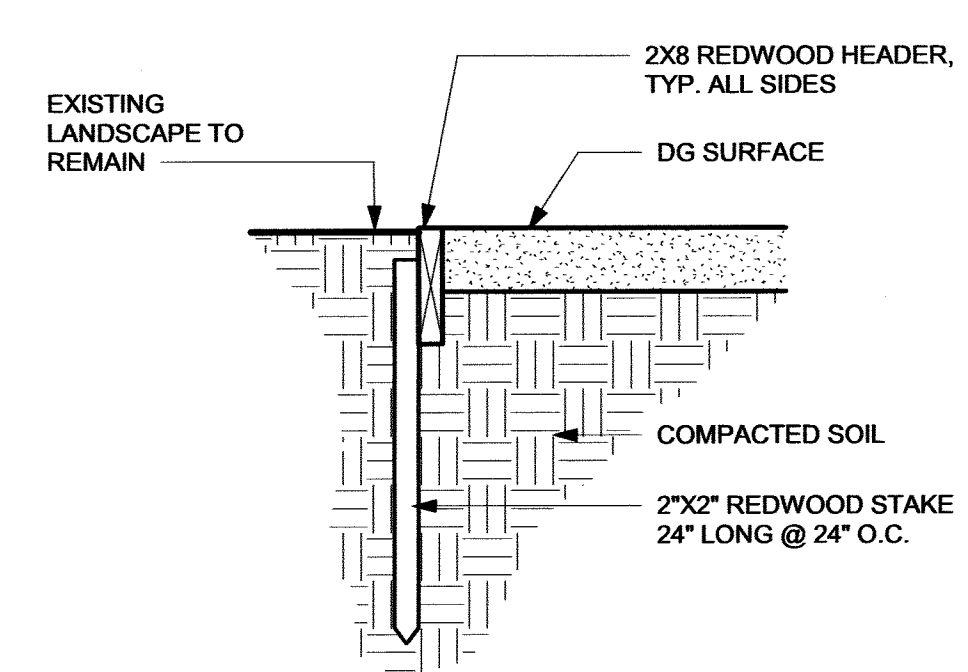
CATCH BASIN 1/2" = 1'-0" 6



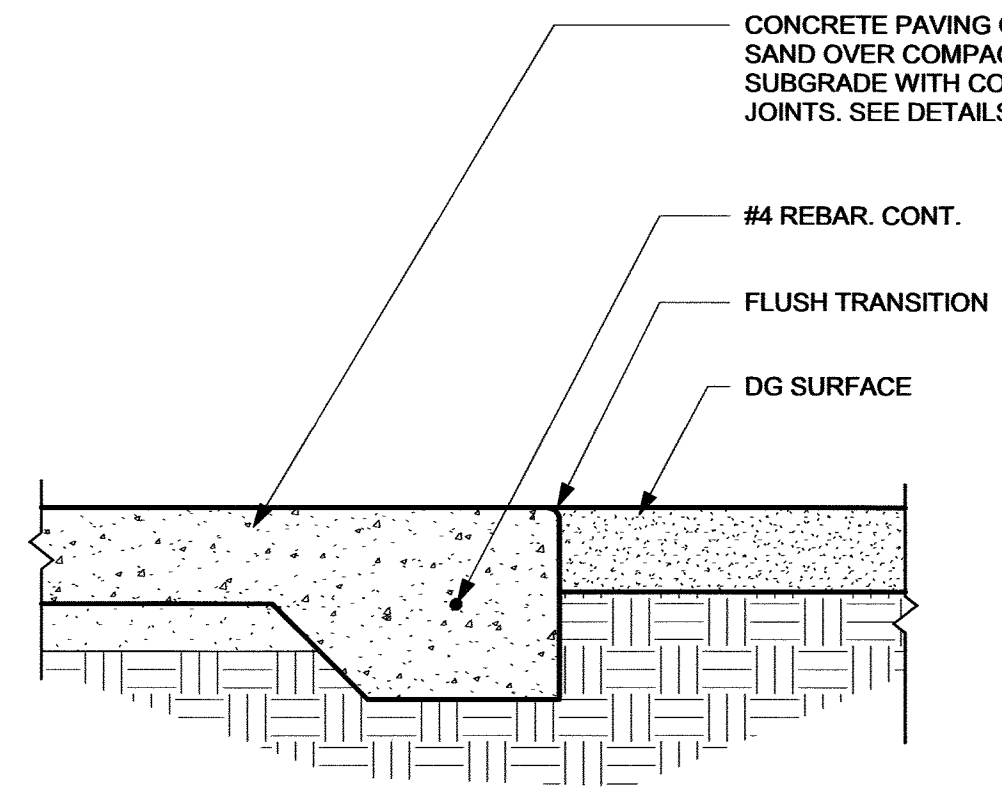
SEWER/AD CLEANOUT 1/2" = 1'-0" 7



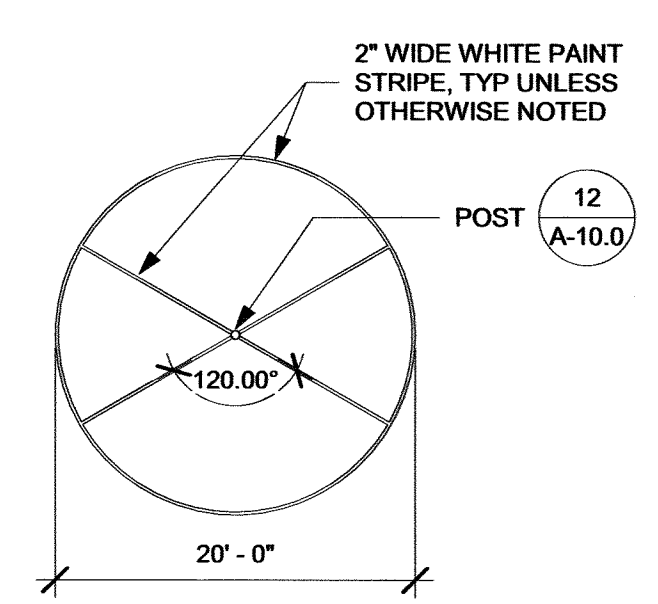
WATER VALVE 1" = 1'-0" 8



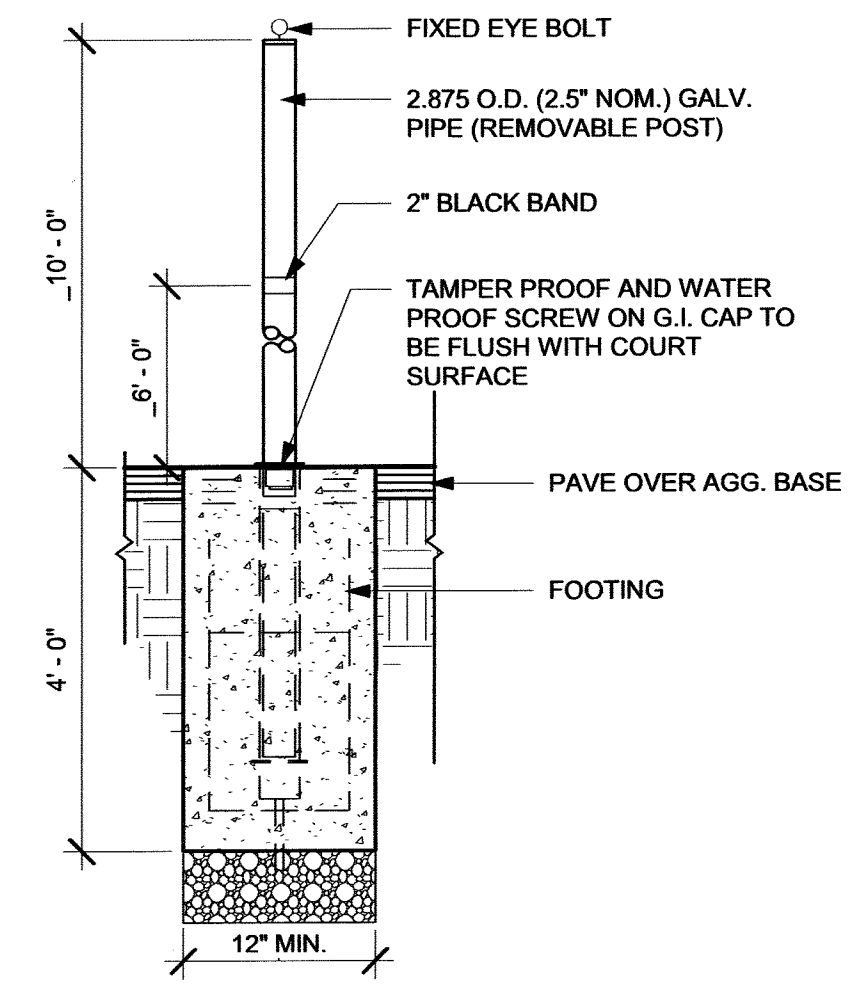
DG AT LANDSCAPE/DIRT 1" = 1'-0" 9



DG AT CONCRETE 1 1/2" = 1'-0" 10



TEATHER BALL STRIPING 3/32" = 1'-0" 11

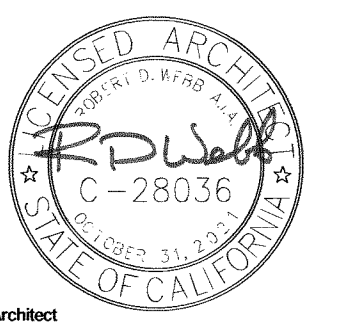


NOTE:
 1. DRILL FOR FOOTINGS AFTER PAVING IS IN PLACE
 2. TREAT FIELD WELDS WITH DRY GALVCON OR EQ.
 3. CLASS 1A PIPE (FY-50000 PSI) SCHEDULE 40
 4. CAULK AROUND EACH POST BASE WITH NON-HARDENING SEALANT
 5. ALL CONCRETE FOOTINGS SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI

T. BALL POST-REMOVEABLE 1/2" = 1'-0" 12

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SYCAMORE CANYON SCHOOL
 3-CLASSROOM ADDITION
 SANTEE SCHOOL DISTRICT

SITE PLAN DETAILS

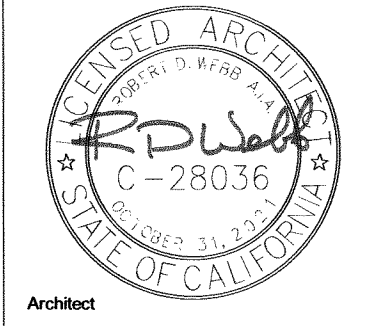
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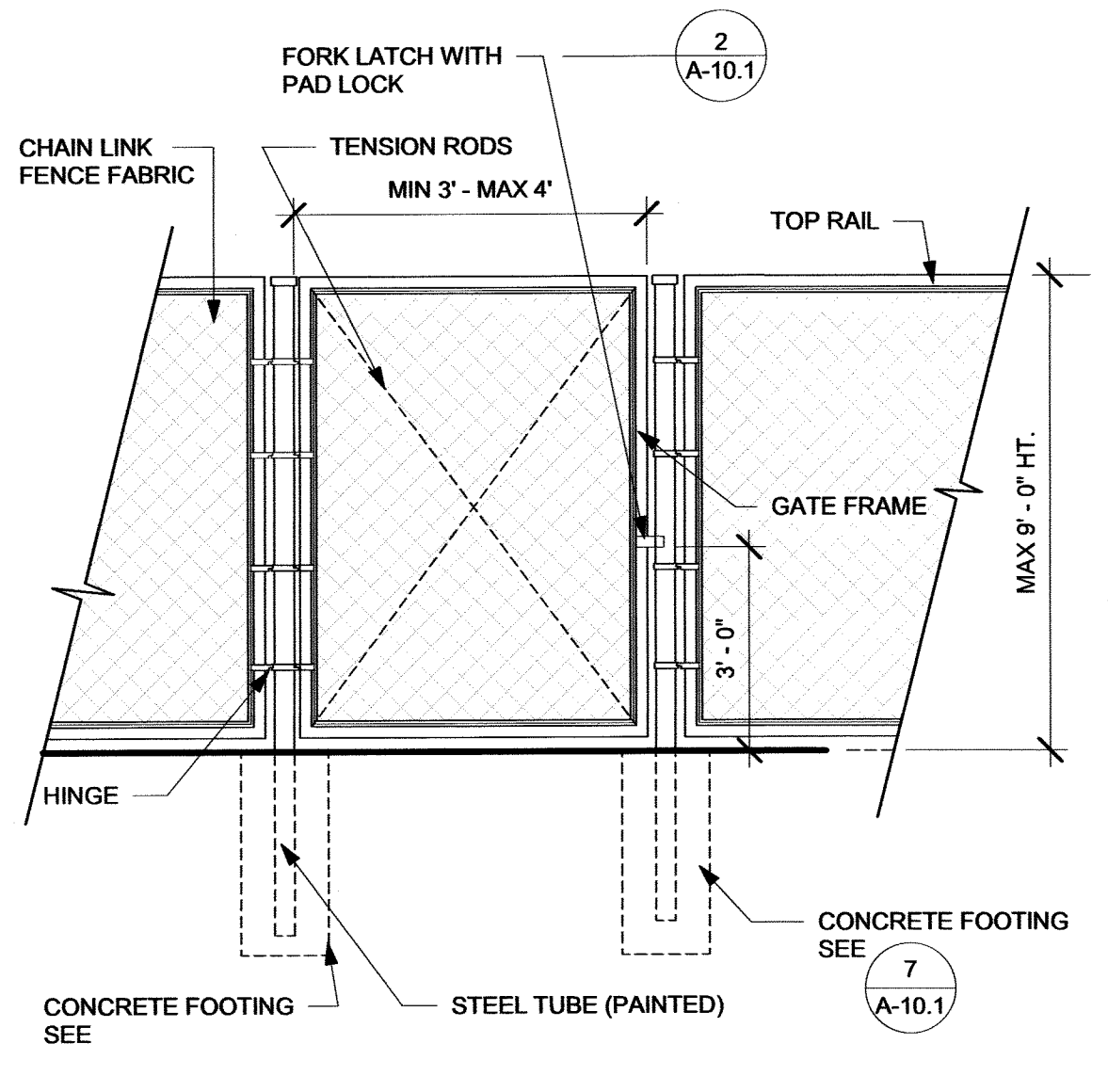


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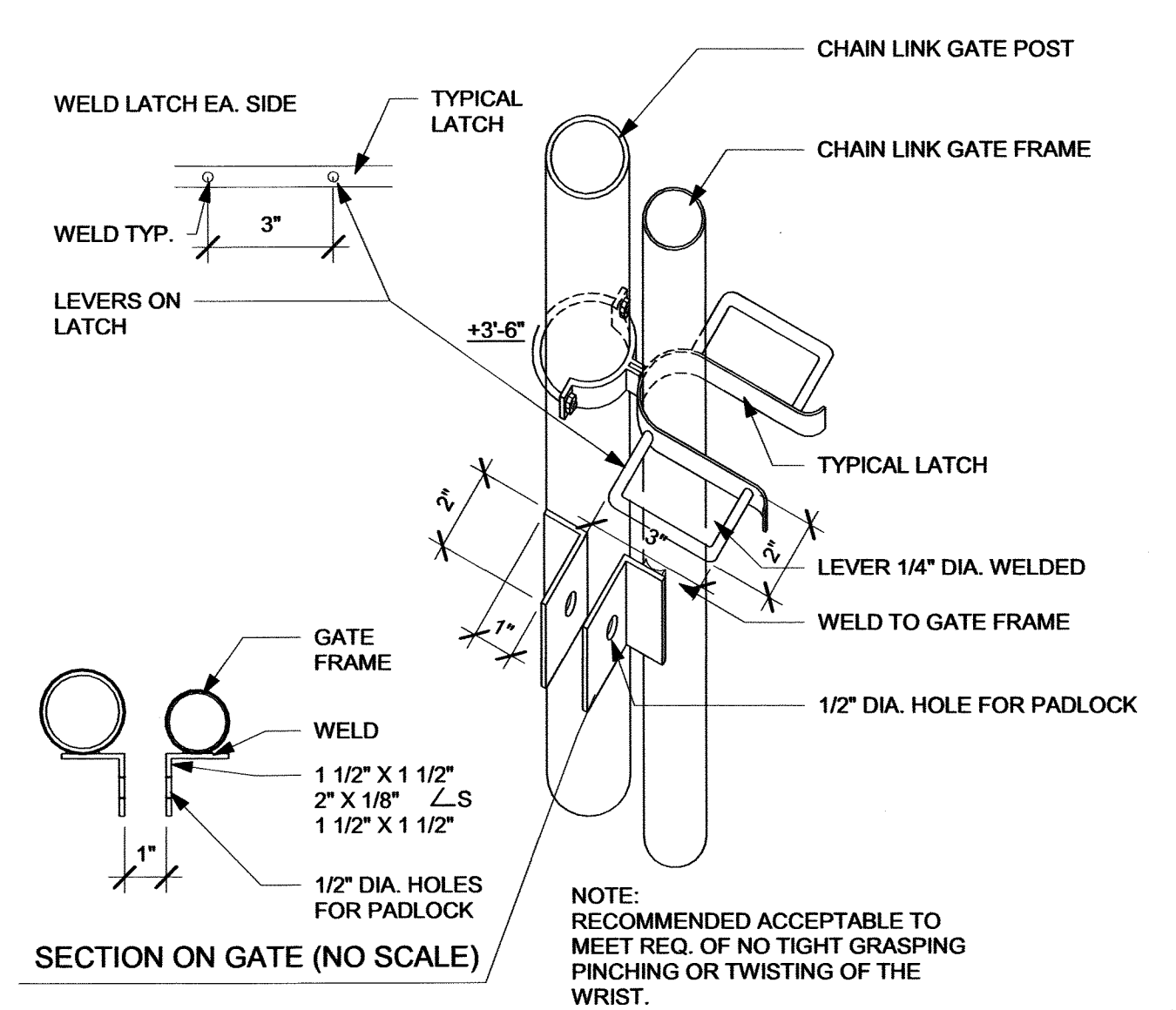
SITE PLAN DETAILS

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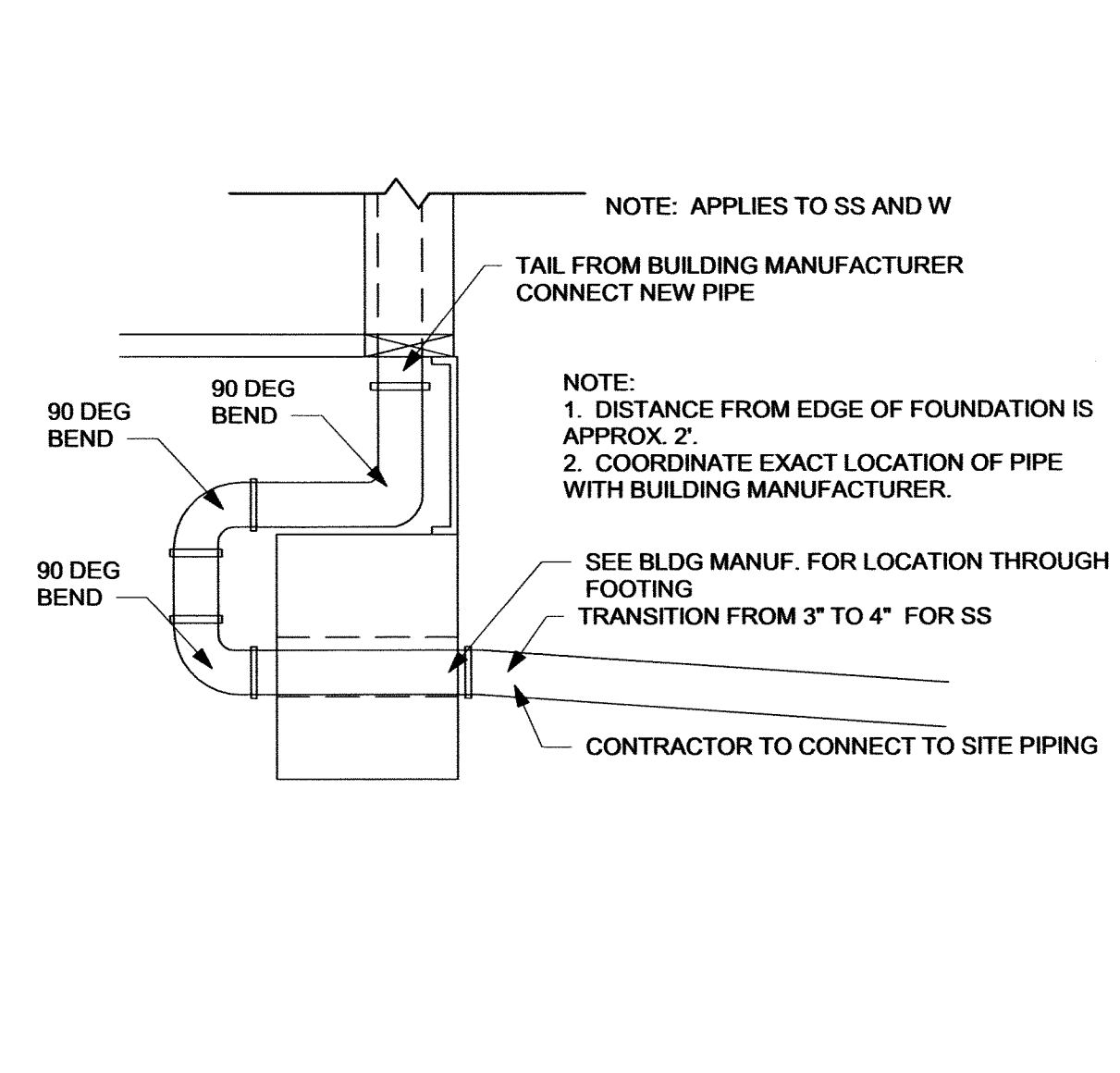
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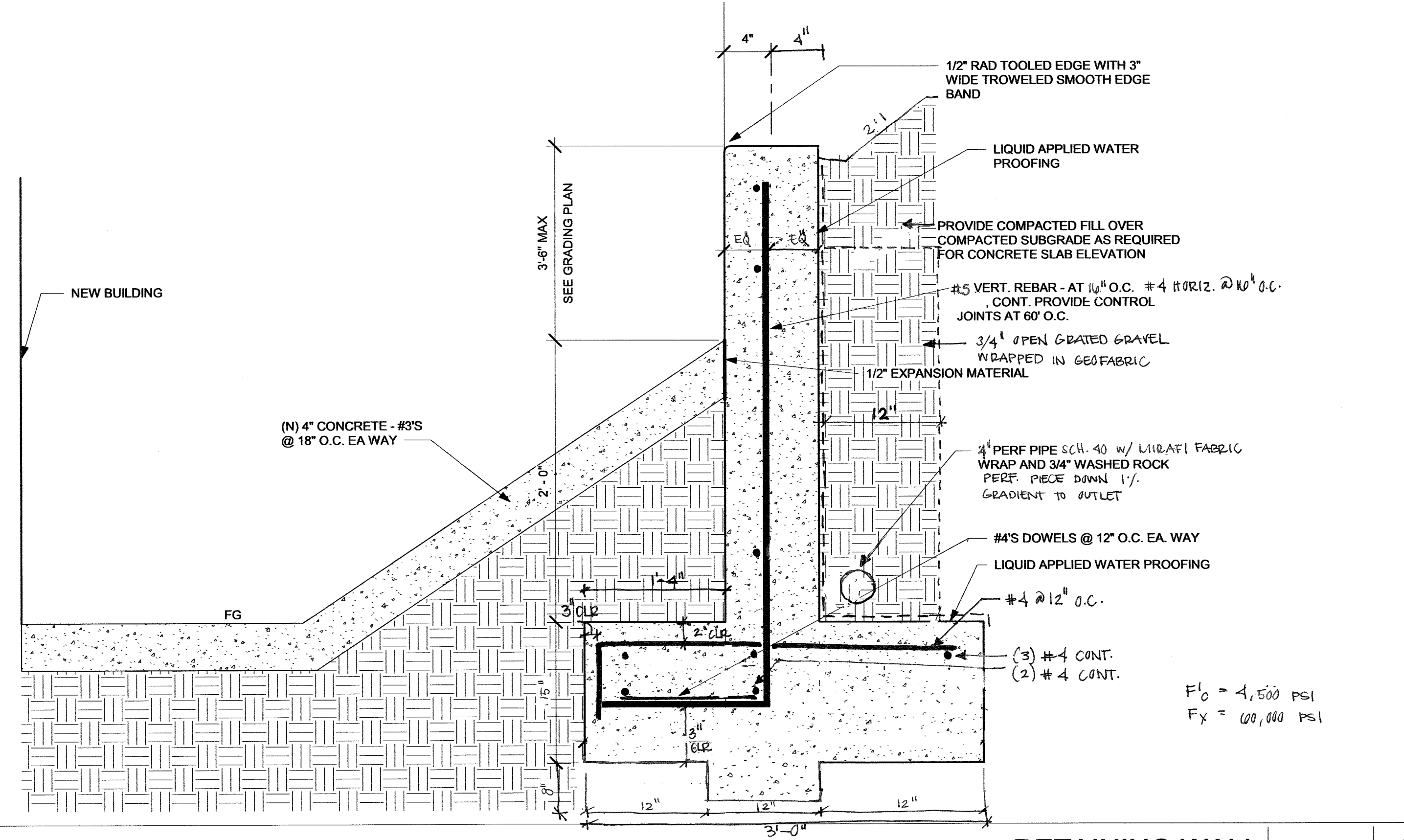
C.L. SINGLE GATE 3/8" = 1'-0" 1



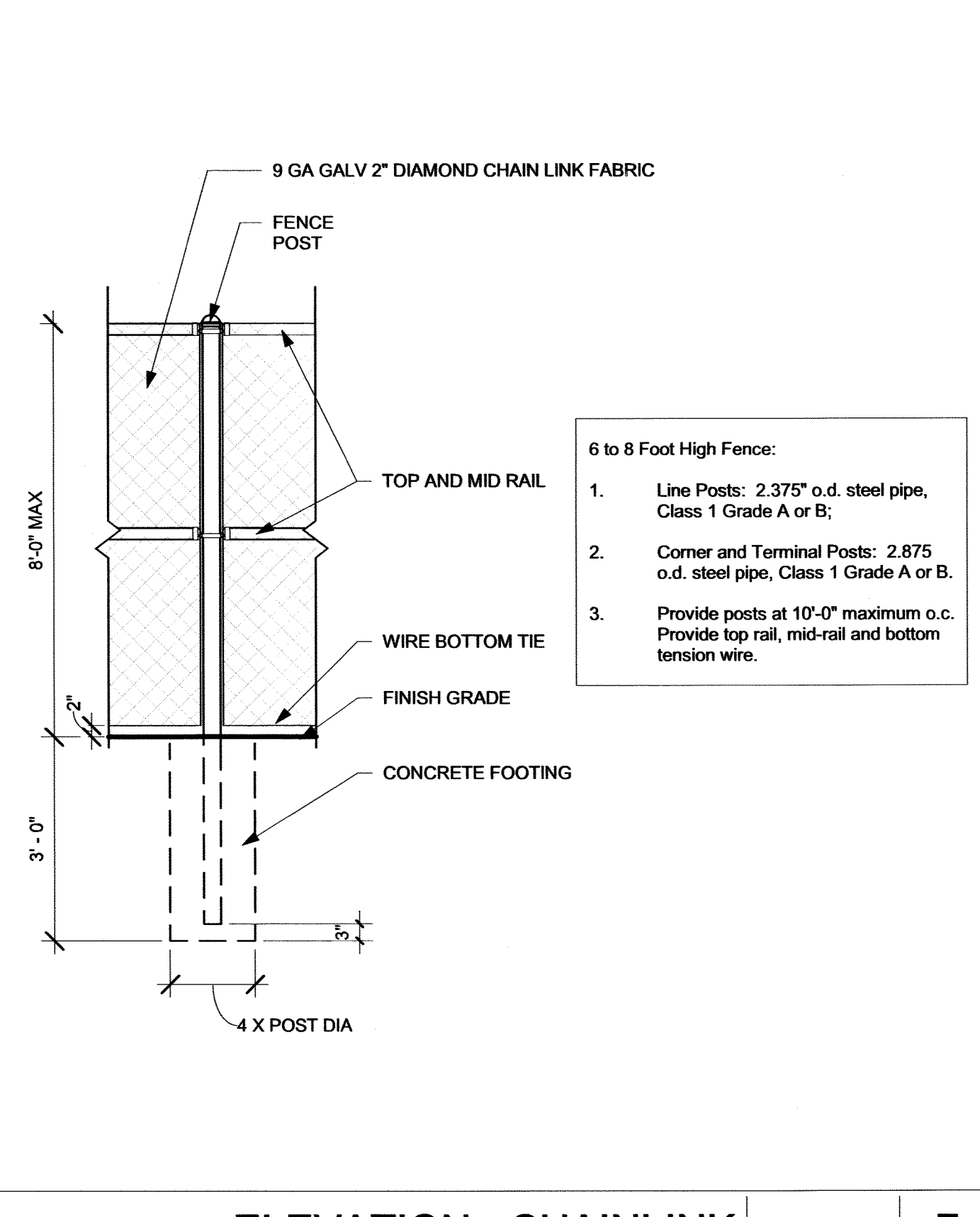
C.L. GATE LATCH 3" = 1'-0" 2



PIPE CONNECTION DETAIL 1" = 1'-0" 3

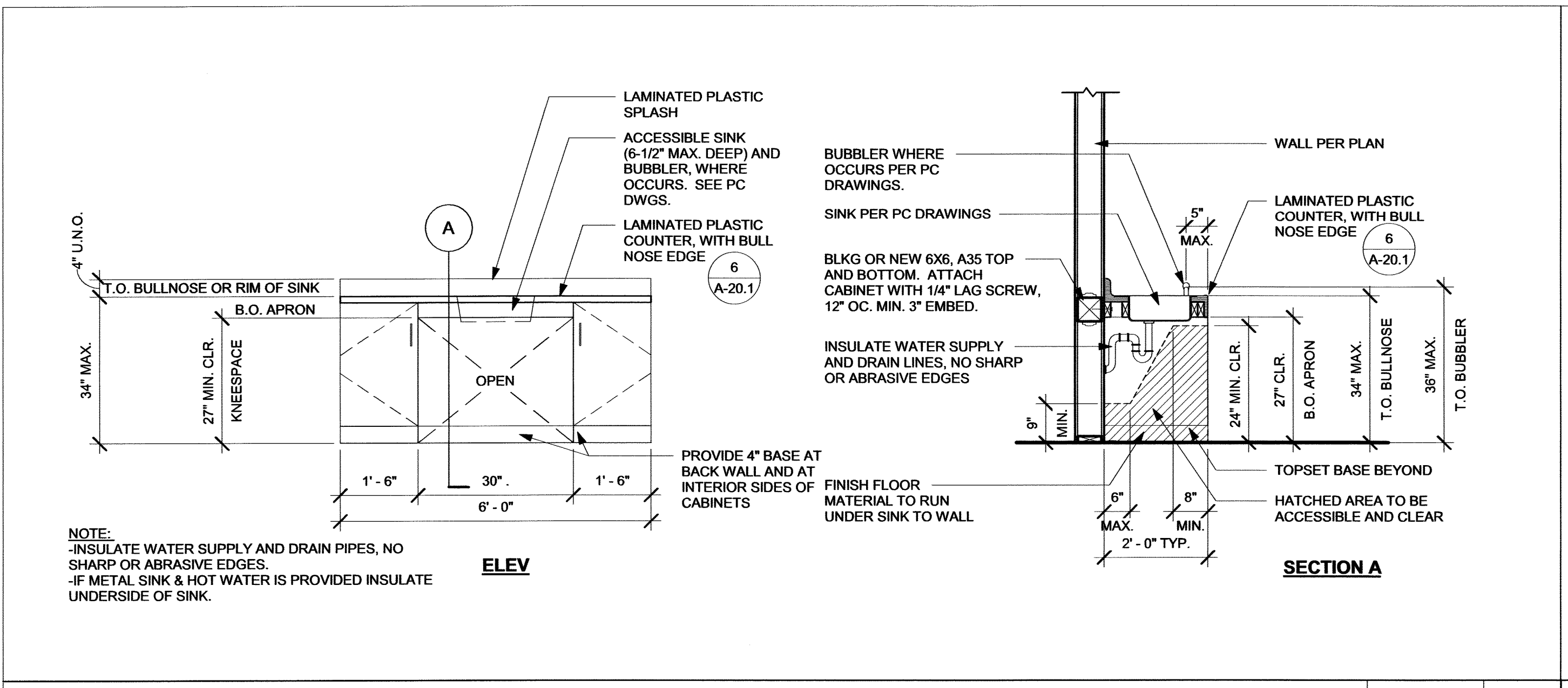


RETAINING WALL 1 1/2" = 1'-0" 6

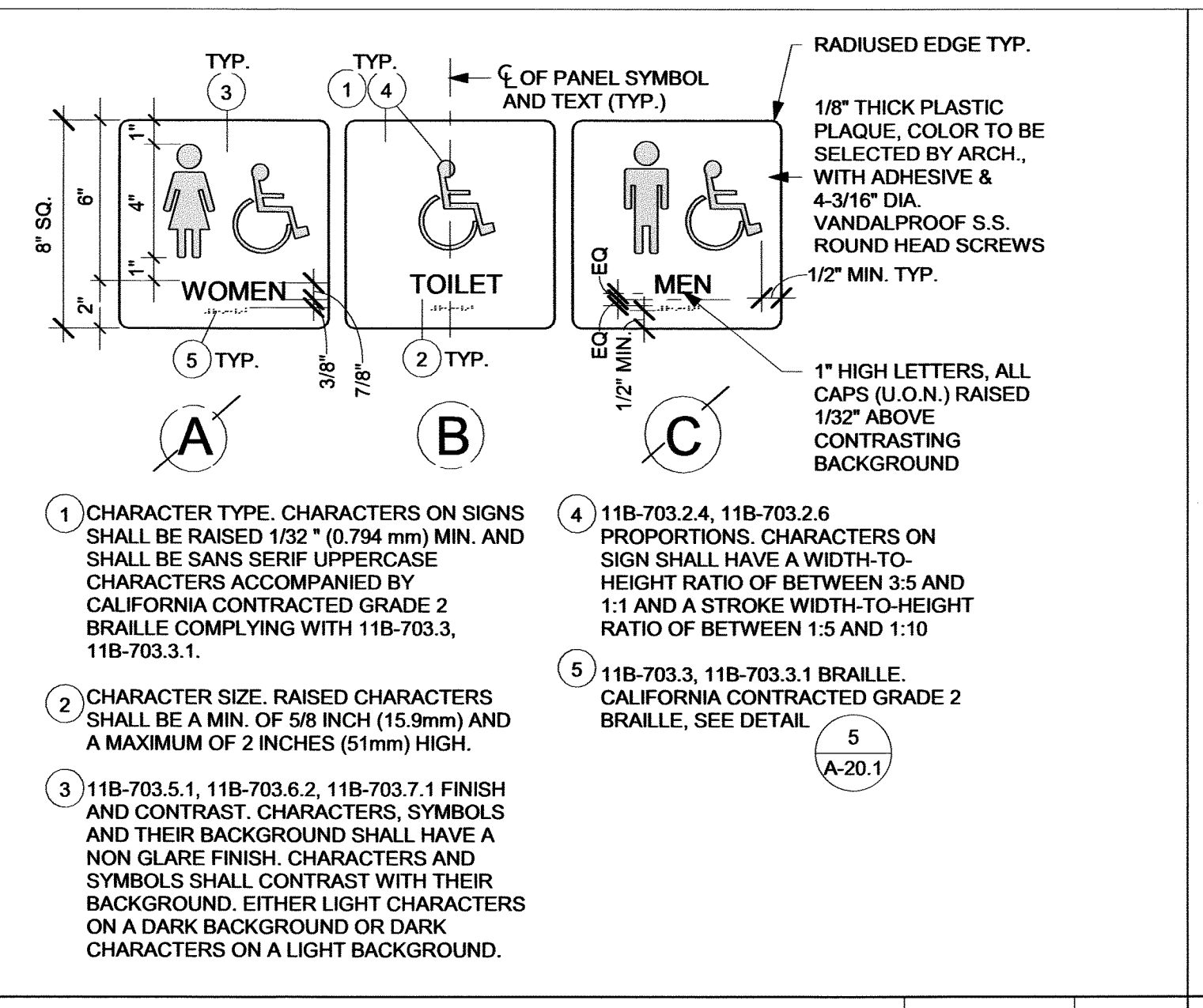


ELEVATION - CHAINLINK 1/2" = 1'-0" 7

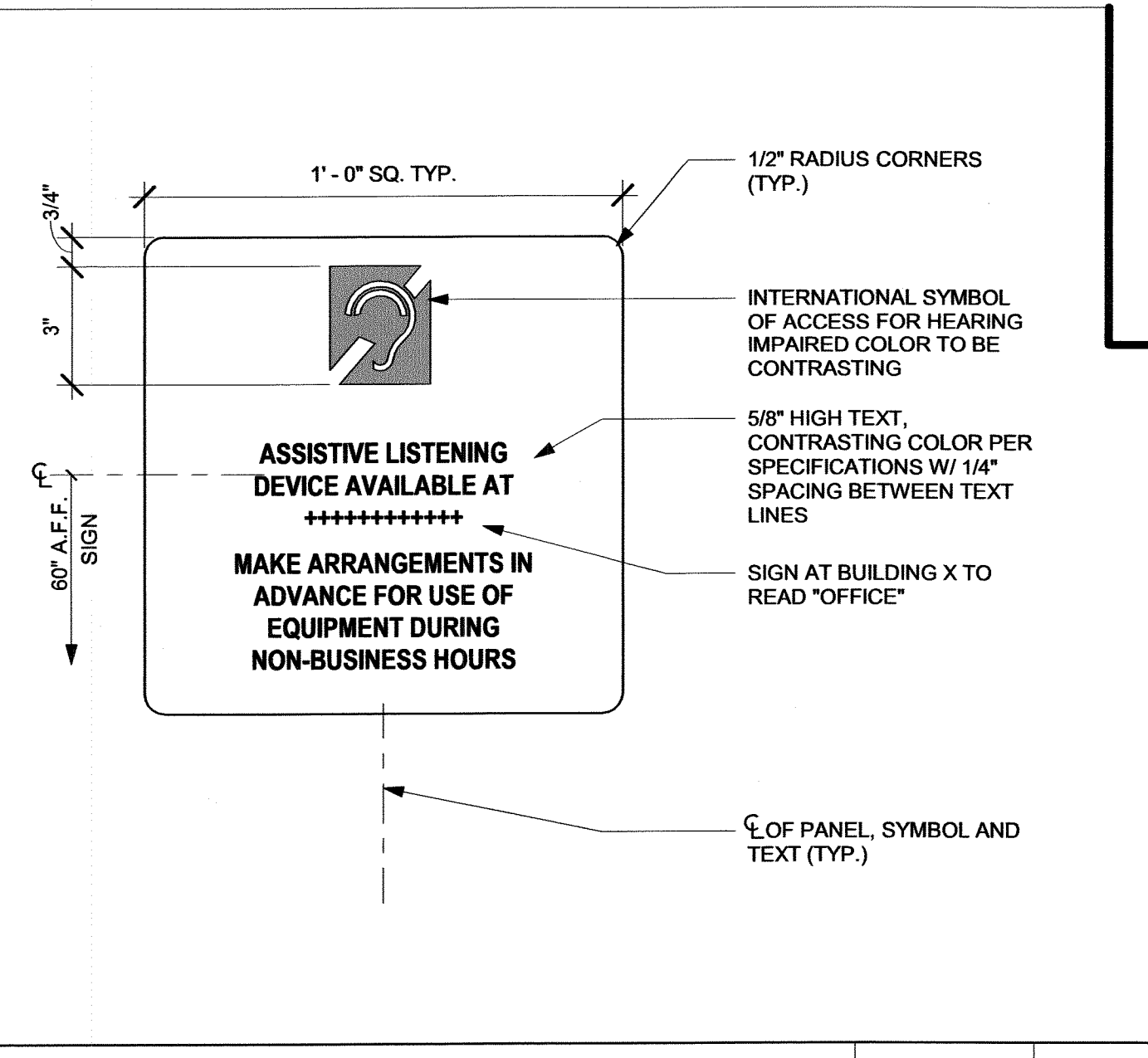
- 6 to 8 Foot High Fence:
- Line Posts: 2.375" o.d. steel pipe, Class 1 Grade A or B;
 - Corner and Terminal Posts: 2.875" o.d. steel pipe, Class 1 Grade A or B.
 - Provide posts at 10'-0" maximum o.c. Provide top rail, mid-rail and bottom tension wire.



ACCESSIBLE SINK AT CASEWORK 1/2" = 1'-0" 1



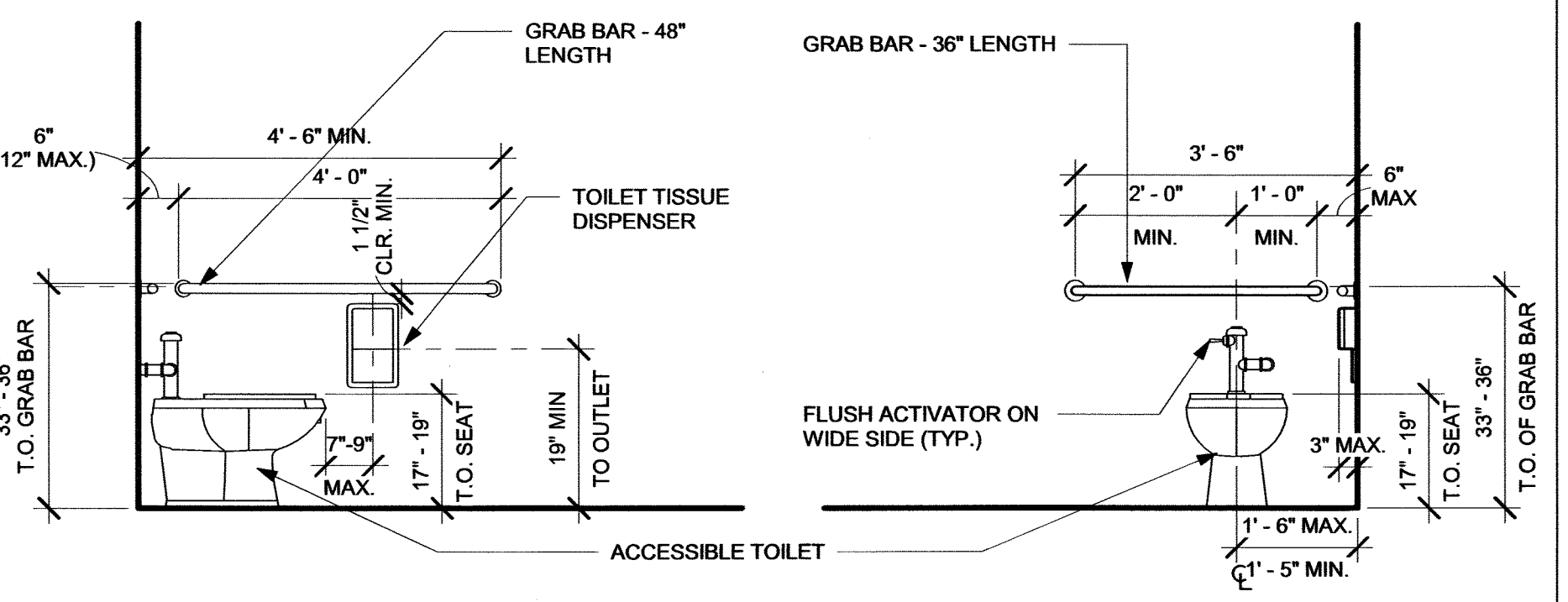
ADULT RESTROOM SIGN AT WALL 1 1/2" = 1'-0" 3



ASSISTIVE LISTENING SIGN 3" = 1'-0" 4

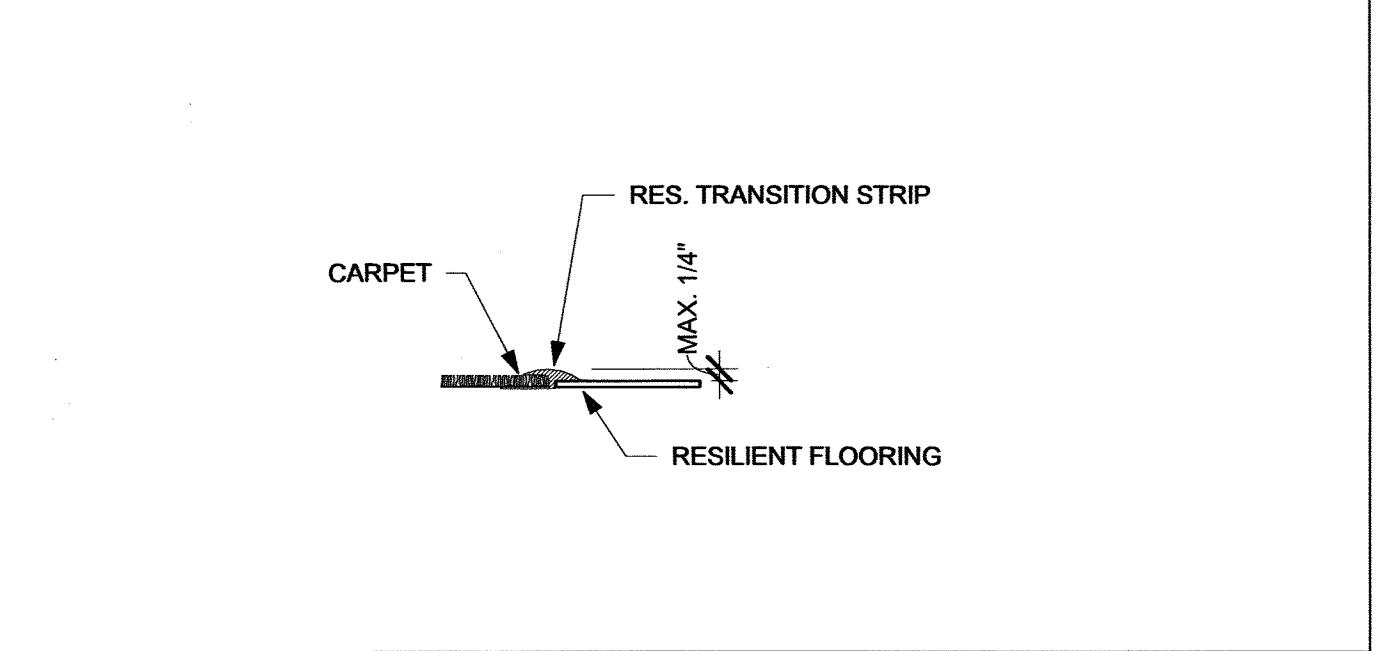
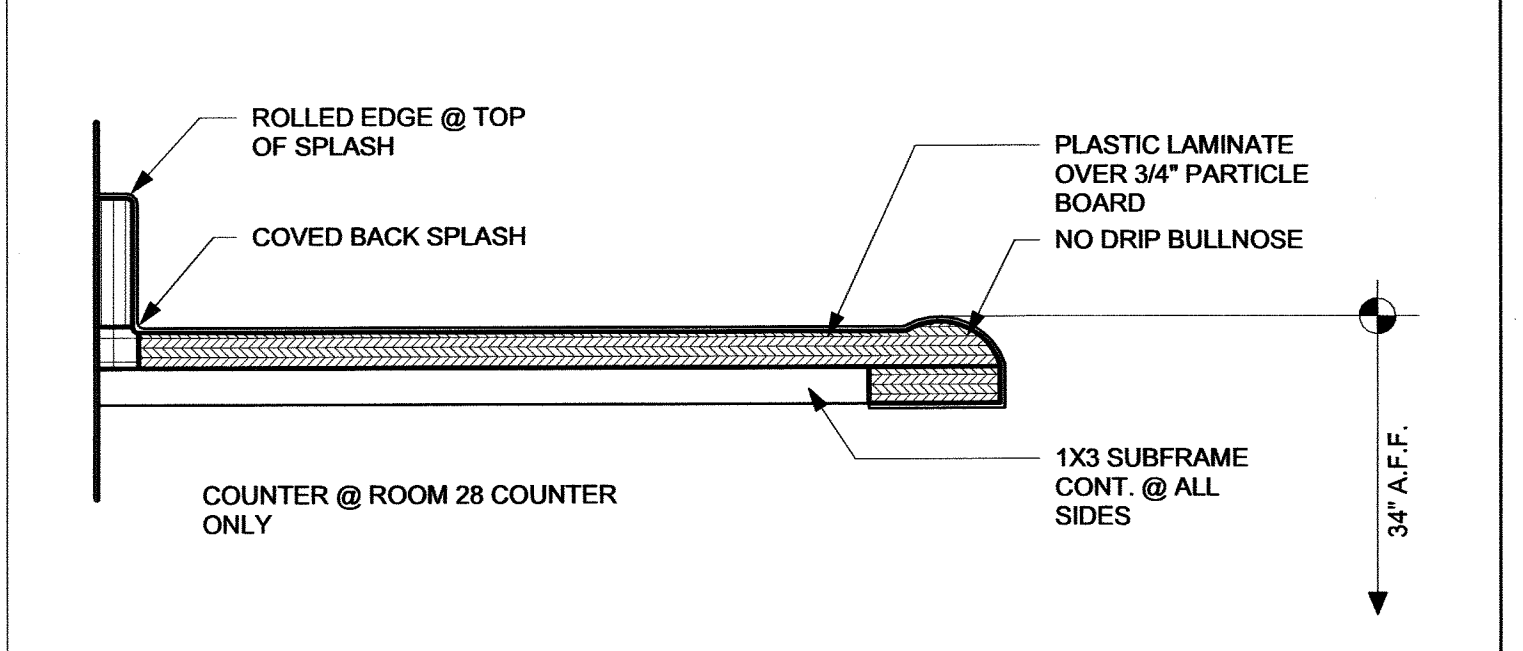
TABLE 11B-604.8
SUGGESTED DIMENSIONS FOR CHILDREN'S USE
SUGGESTED DIMENSIONS FOR WATER CLOSETS SERVING CHILDREN AGES 3-12

	AGES 3 - 4	AGES 5 - 8	AGES 9 - 12
WATER CLOSET CENTERLINE	12 INCHES (305 MM)	12-15 INCHES (305-381 MM)	15-18 INCHES (381-457 MM)
TOILET SEAT HEIGHT	11-12 INCHES (279-305 MM)	12-15 INCHES (305-381 MM)	15-17 INCHES (381-432 MM)
GRAB BAR HEIGHT	18-20 INCHES (457-508 MM)	20-25 INCHES (508-635 MM)	25-27 INCHES (635-686 MM)
DISPENSER HEIGHT	14 INCHES (356MM)	14-17 INCHES (356-432 MM)	17-19 INCHES (432-483 MM)



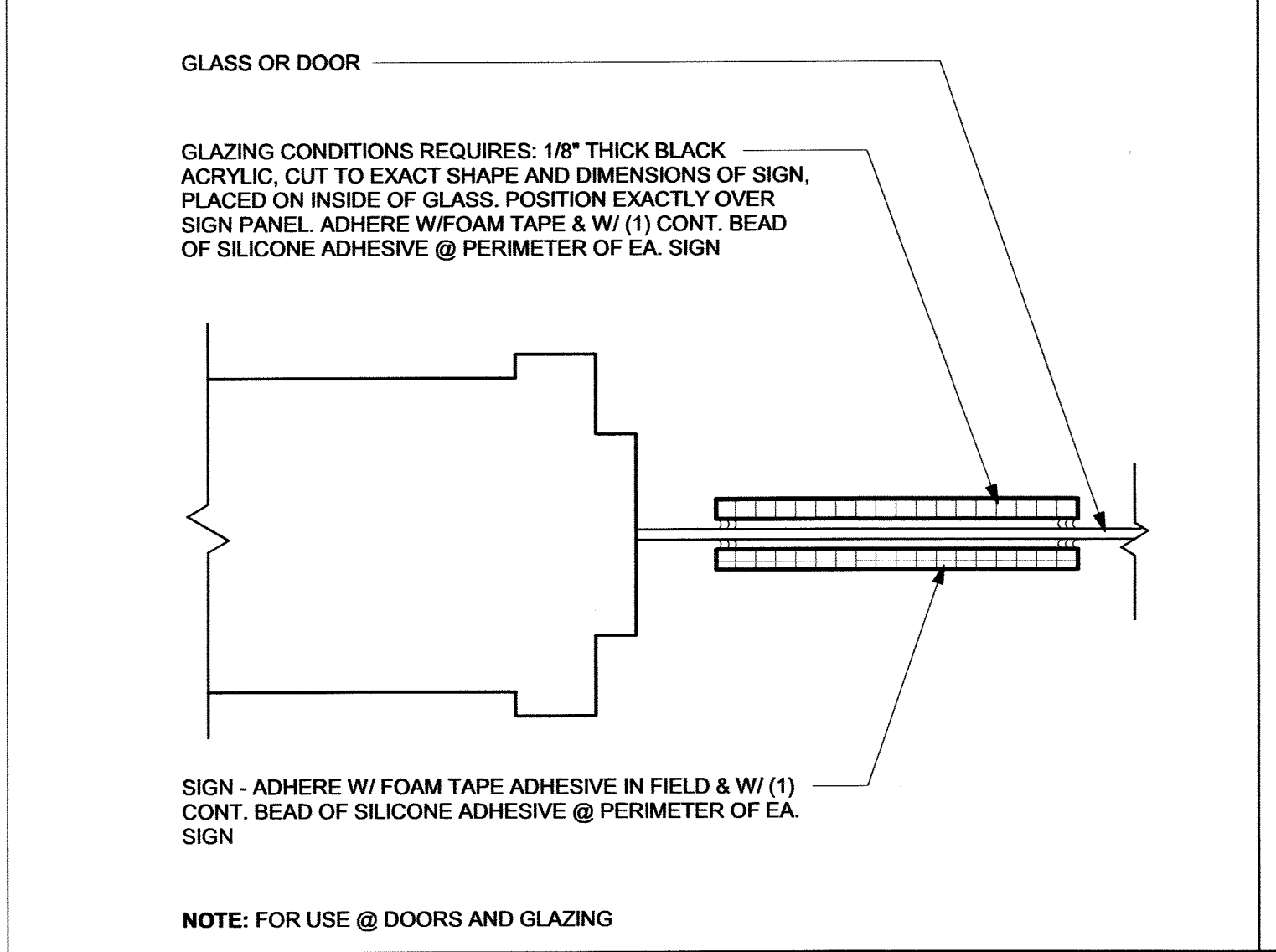
ACCESSIBLE TOILET

ACCESSIBLE TOILET ROOM FIXTURE MOUNTING HEIGHTS DETAIL 1/2" = 1'-0" 2

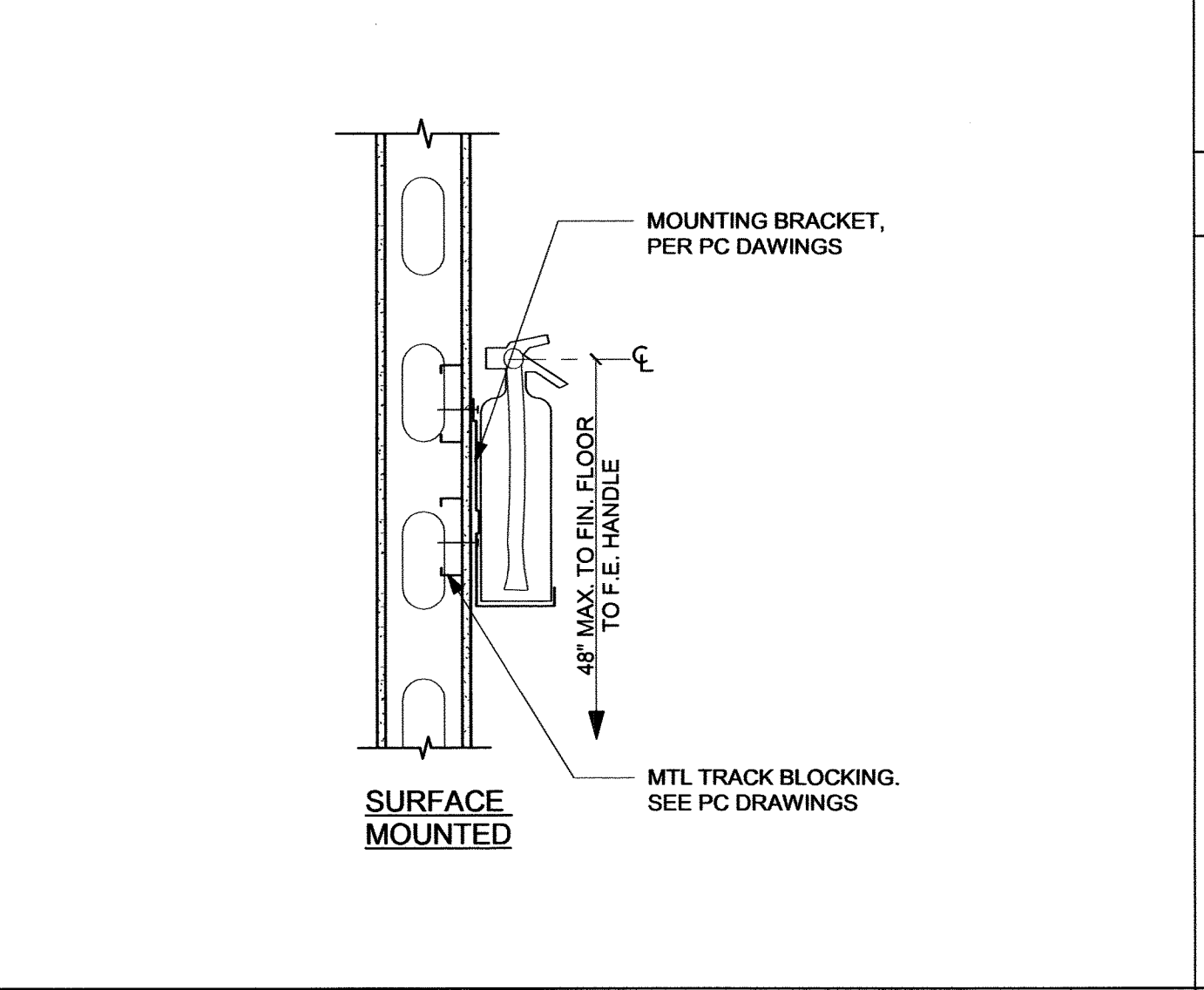


COUNTERTOP-FORMED EDGE 3" = 1'-0" 6

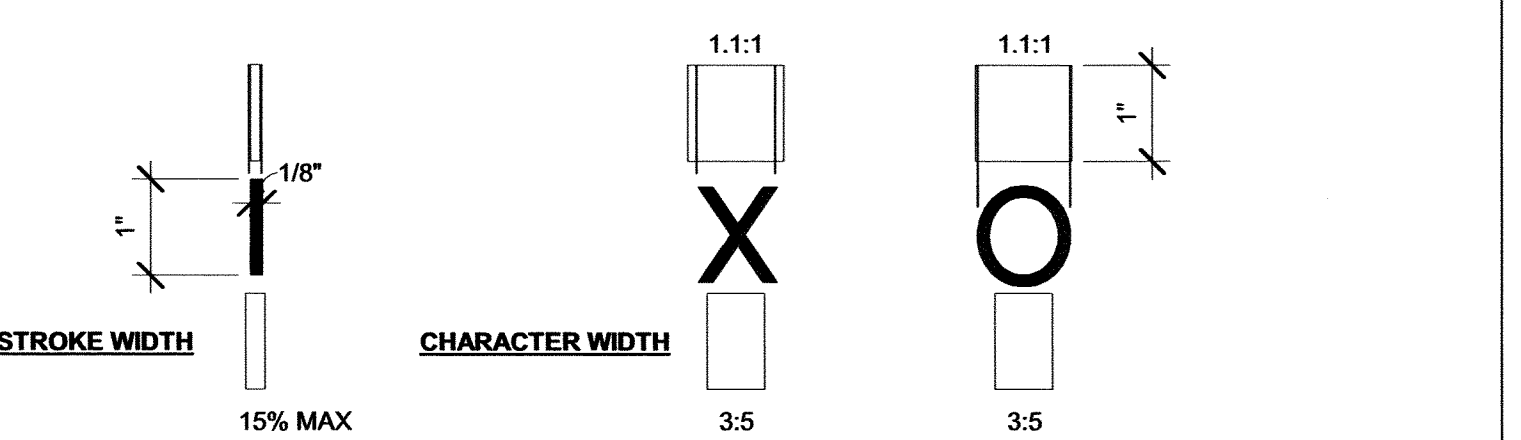
CARPET/VCT TRANSITION 3" = 1'-0" 13



SIGN ATTACHMENT 6" = 1'-0" 9



FIRE EXTINGUISHER 1" = 1'-0" 12



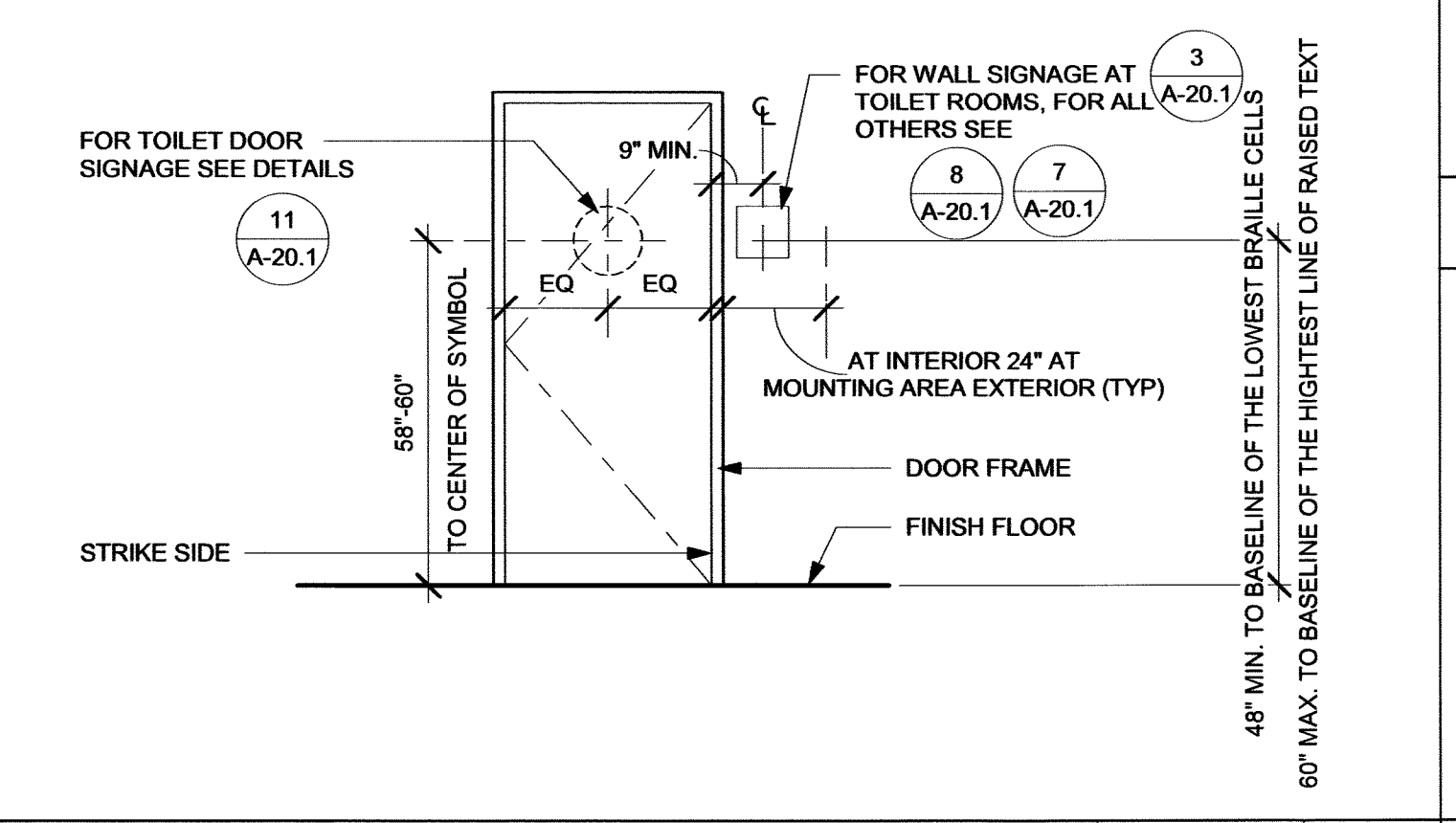
BRAILLE STYLE PROPORTION 6" = 1'-0" 5

TABLE 11B-703.3.1 BRAILLE DIMENSIONS

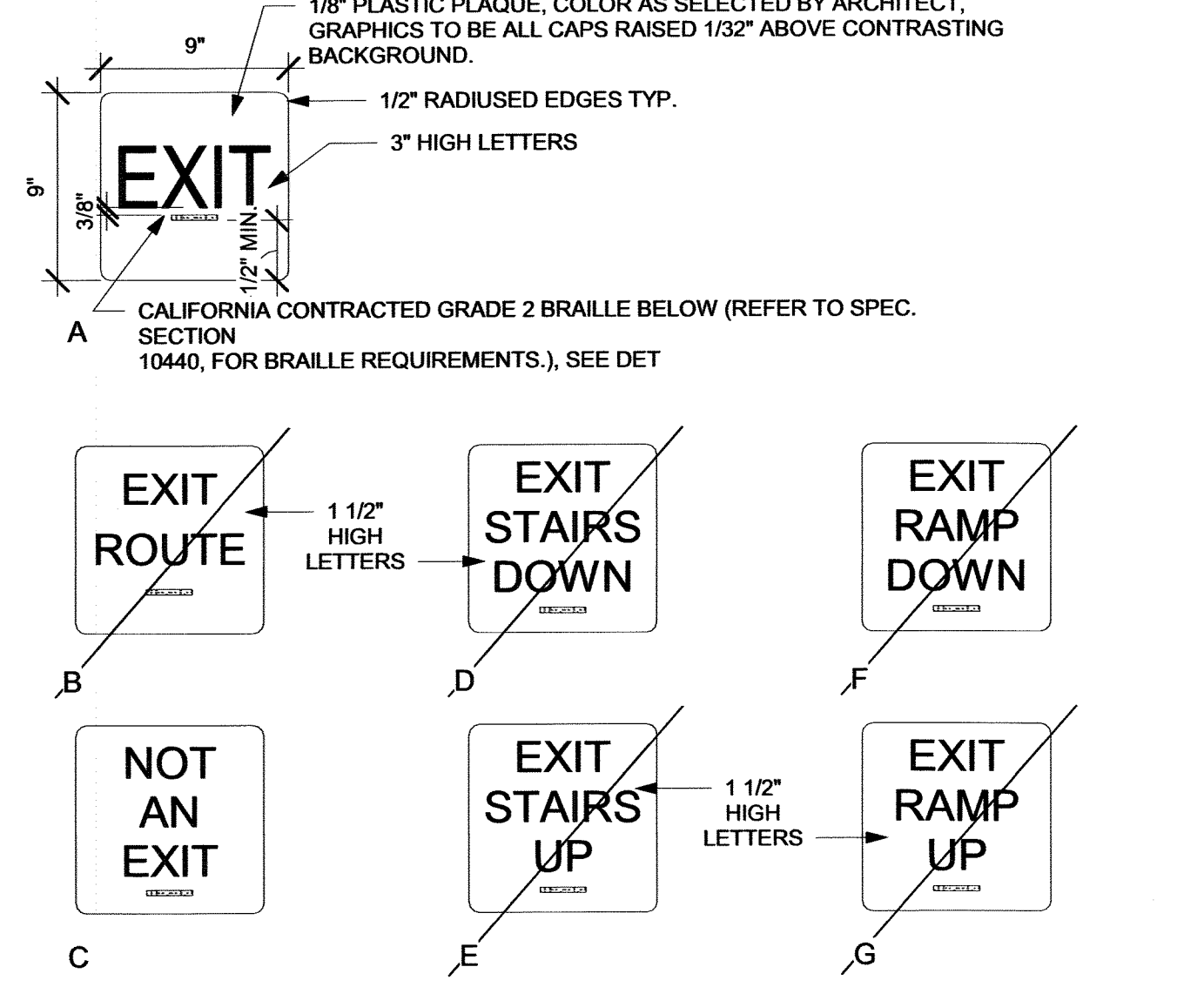
MEASUREMENT RANGE	MINIMUM IN INCHES	MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059 (1.5 MM)	0.063 (1.6 MM)
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL*	0.100 (2.5 MM)	
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS*	0.300 (7.6 MM)	
DOT HEIGHT	0.025 (0.6 MM)	0.037 (0.9 MM)
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW*	0.395 (10 MM)	0.400 (10.2 MM)

* MEASURED CENTER TO CENTER

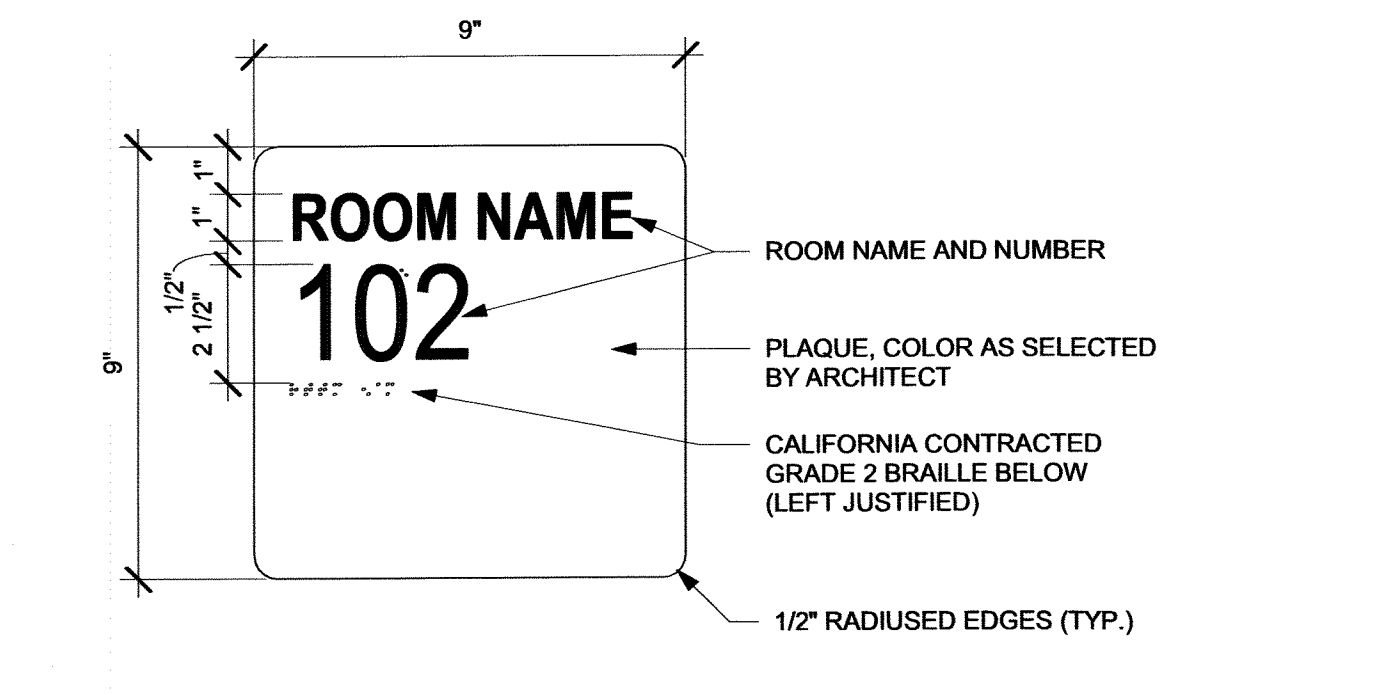
BRAILLE STYLE PROPORTION 6" = 1'-0" 5



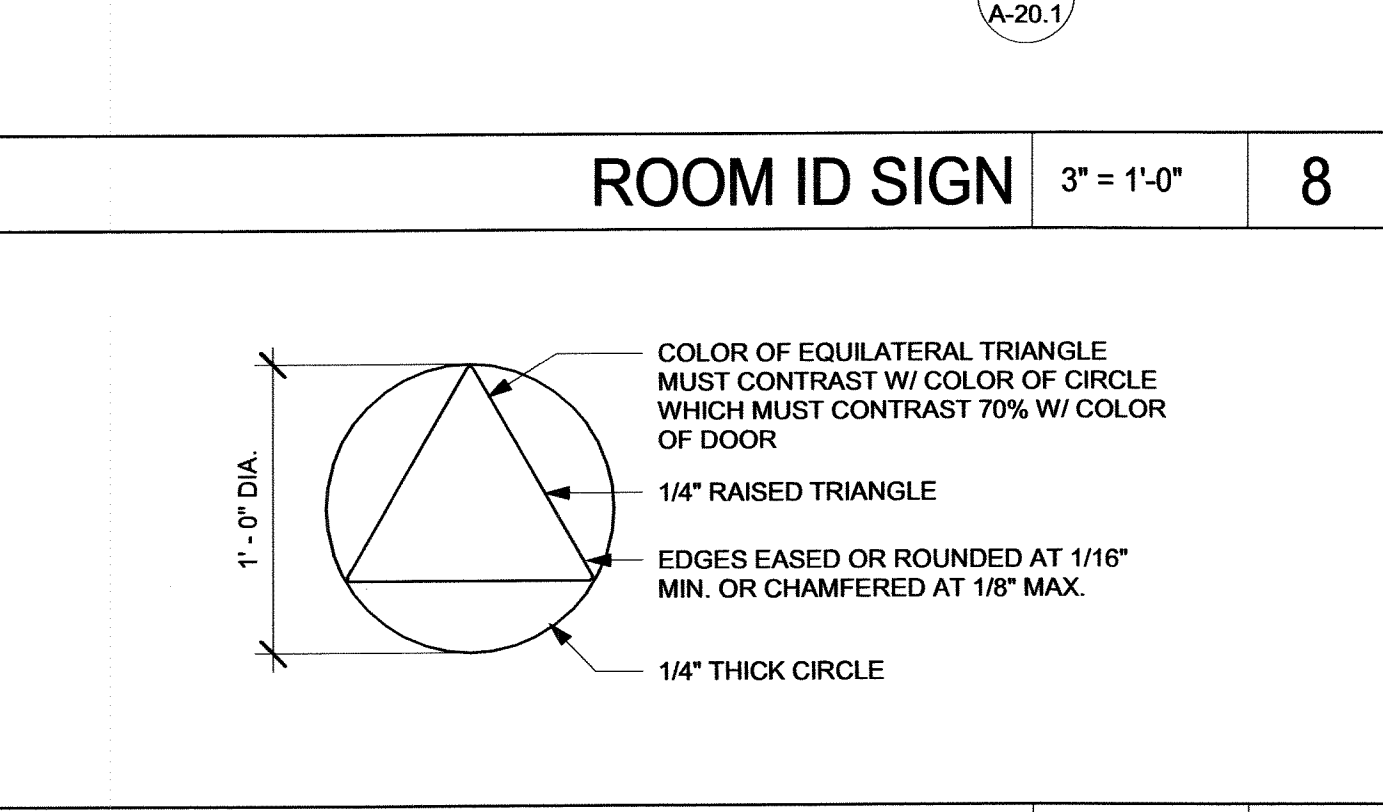
SIGNAGE LOCATION-WALL 3/8" = 1'-0" 10



ROOM EXIT SIGN 1 1/2" = 1'-0" 7



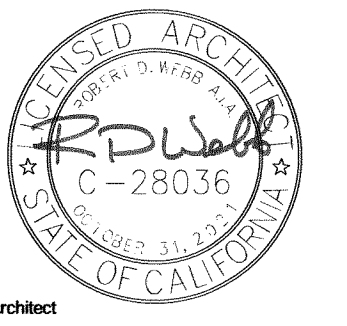
ROOM ID SIGN 3" = 1'-0" 8



TOILET SIGNAGE - GENDER NEUTRAL 1 1/2" = 1'-0" 11

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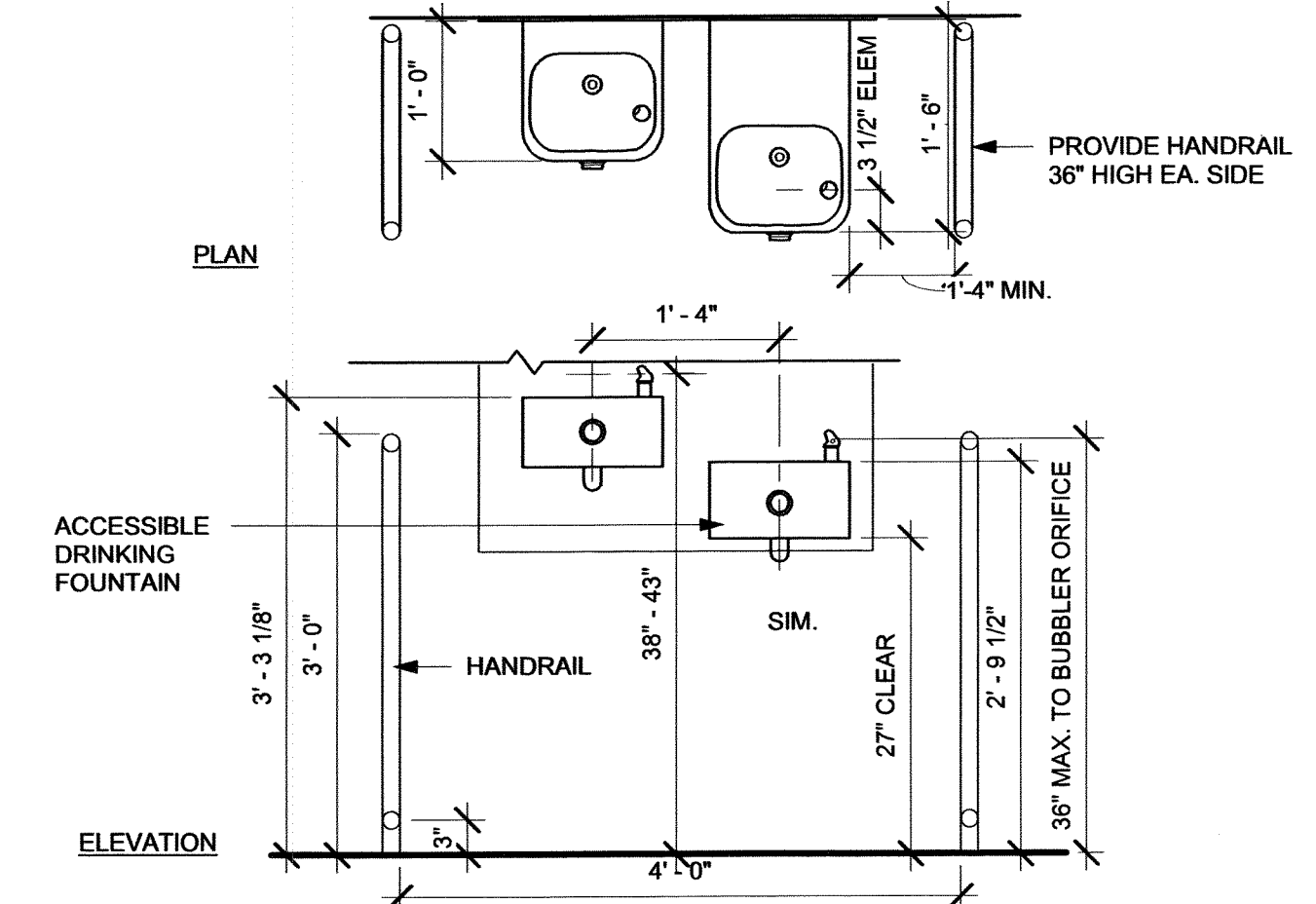


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TYPICAL FLOOR
 PLAN DETAILS

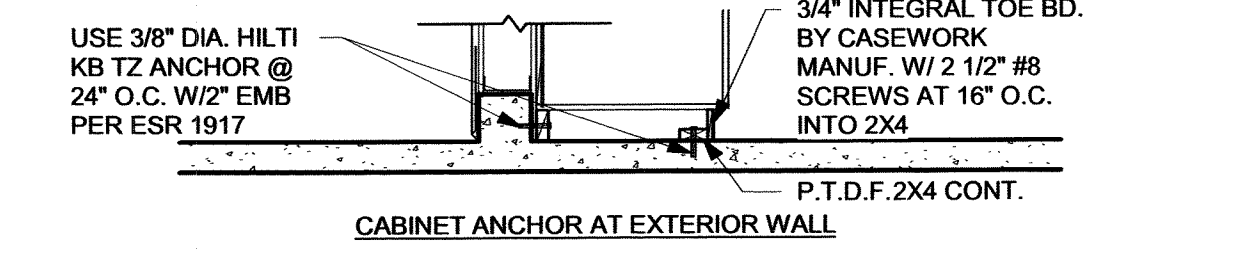
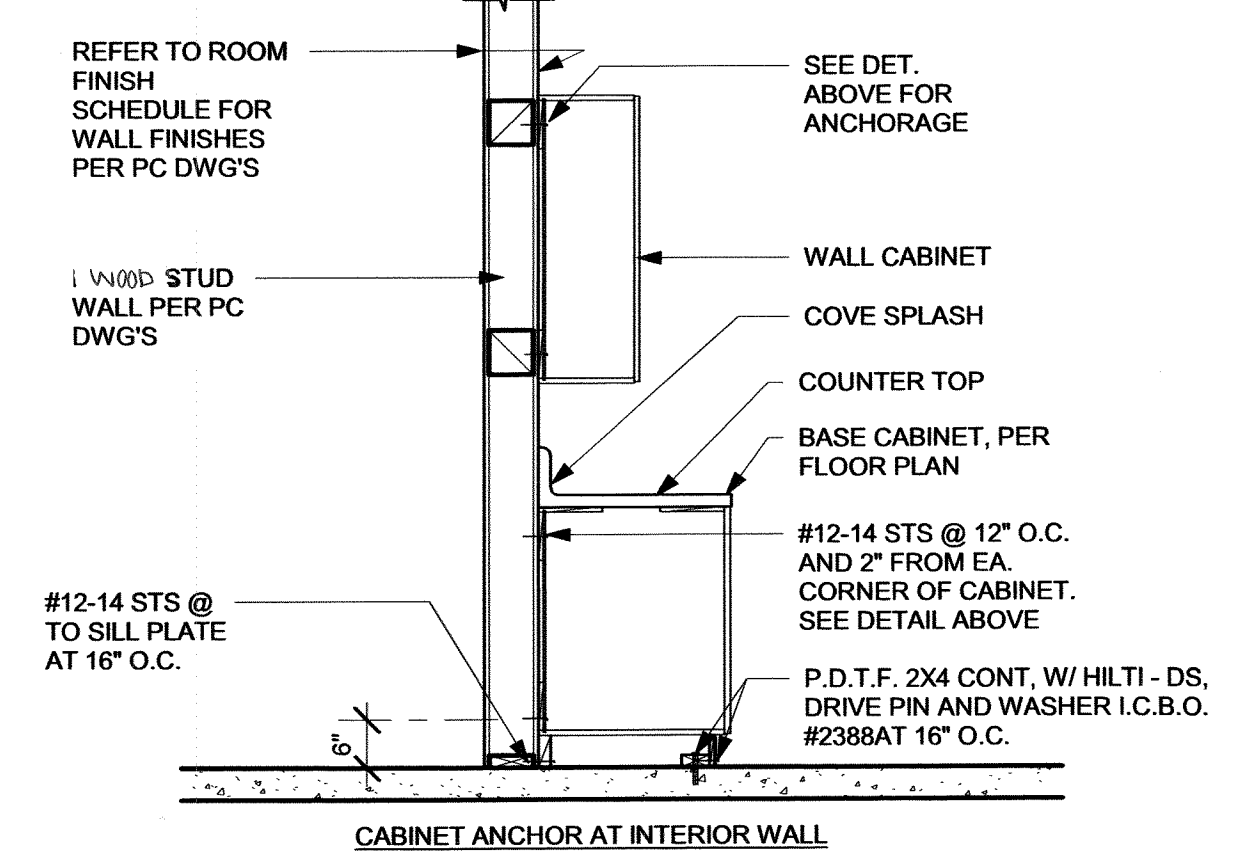
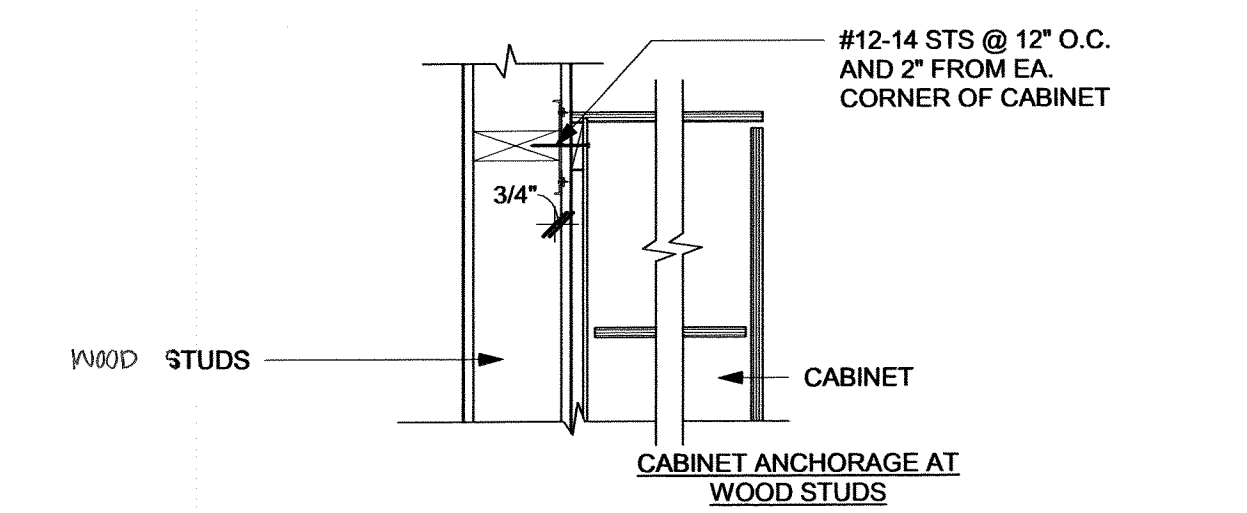
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NOTE:
 1. BUBBLER SHALL BE ACTIVATED BY A MANUALLY OPERATED SYSTEM THAT IS FRONT OR SIDE MOUNTED AND LOCATED WITHIN 5" OF FRONT EDGE OF UNIT. BUBBLER OUTLET ORIFICE SHALL BE LOCATED WITHIN 5" OF FRONT OF UNIT. BUBBLER WATER FLOW SHALL BE SUBSTANTIALLY PARALLEL TO FRONT EDGE OF UNIT
 2. SPOUT SHALL PROVIDE A FLOW OF WATER 4" HIGH SO AS TO ALLOW THE INSERTION OF CUP OR GLASS UNDER THE FLOW OF WATER
 3. HAWS MODEL 1119 BARRIER FREE DUAL WALL MOUNT FOUNTAIN

DRINKING FOUNTAIN - WITH HANDRAILS 3/4" = 1'-0" 2



CABINET ANCHORAGE VERTICAL LOAD REQ. LATERAL FORCE REQ. REFERENCE TABLE NO. 16 A&B TABLE NO. 16 A&O
 PROVIDE BRACING AND ANCHORAGE DETAILS FOR WALL HUNG CABINETS AND FLOOR SUPPORTED STORAGE RACKS, CABINETS AND BOOK STACKS OVER FIVE FEET IN HEIGHT. DESIGN SUPPORTING PARTITIONS AND WALLS TO RESIST FORCES APPLIED BY CABINET ANCHORAGES

CABINETRY WALL ATTACHMENT 1/2" = 1'-0" 1

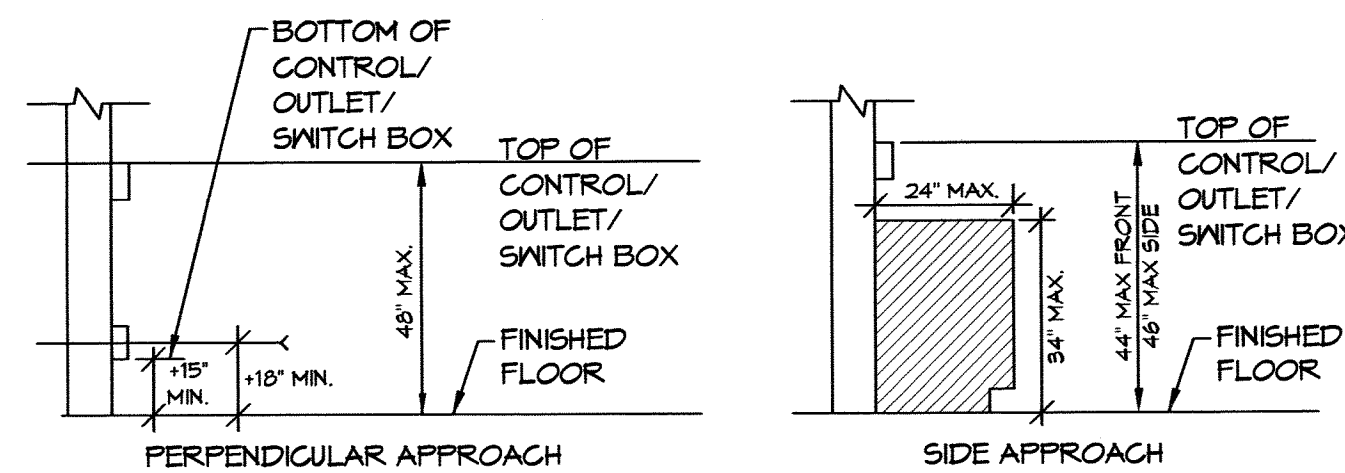
ABBREVIATIONS

A	AMPERE (AMPS)
AC	ALTERNATING CURRENT
AF	AMPS-FRAME (RATING)
AIC	AMP INTERRUPTING CURRENT
AM	AMMETER
AS	AMP SWITCH (FUSED SWITCH RATING)
AT	AMPS-TRIP (RATING)
AWG	AMERICAN WIRE GAUGE
BC	BARE COPPER
BLDGS	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CO	CONDUIT ONLY
CT	CURRENT TRANSFORMER
CU	COPPER
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
DMG	DRAWING
EX	EXISTING
FLA	FULL LOAD AMPS
FVR	FULL VOLTAGE REVERSING
FVNR	FULL VOLTAGE NON-REVERSING
GFI	GROUND FAULT INTERRUPTER
GRD/GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HZ	HERTZ
KW	KILOWATT
LGL	LONG CONTINUOUS LOAD
LRA	LOCKED ROTOR AMPS
LTS	LIGHTING
MCC	MOTOR CONTROL CENTER
MCM (KCM)	THOUSAND CIRCULAR MILS
MECH	MECHANICAL
NC	NORMALLY CLOSED
NF	NON-FUSED
NO	NORMALLY OPEN/NUMBER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
P	POLE
PH	PHASE
POC	POINT OF CONNECTION
PRS	PVC COATED RIGID STEEL (CONDUIT)
PTS	POTENTIAL TRANSFORMER
FT	FOLYVINYL CHLORIDE DUCT
SWBD	SWITCHBOARD
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLTAMPERES
VM	VOLTMETER
VL	VERIFY LOCATION
M	WIRE/AMPS
WP	WEATHERPROOF (NEMA TYPE 3R)
WT	WATERTIGHT
XP	EXPLOSION PROOF (RATED FOR AREA HAZARD)

ELECTRICAL SYMBOL LEGEND

POWER CONTINUED

	DUPLEX RECEPTACLE, FLOOR MOUNTED
	DUPLEX RECEPTACLE, WALL MOUNTED, +18" A.F.F. (U.O.N.)
	RECEPTACLE, WALL MOUNTED HORIZONTALLY, +18" A.F.F. (U.O.N.)
	FOURPLEX RECEPTACLE, WALL MOUNTED, +18" A.F.F. (U.O.N.)
	RECEPTACLE MOUNTED +6" ABOVE COUNTER BACKSPASH SEE ARCHITECTURAL PLANS FOR REQUIRED MOUNTING HEIGHT PRIOR TO ROUGH-IN.
	PROVIDE (2) DUPLEX RECEPTACLE CEILING MOUNTED LOCATE ADJACENT TO PROJECTOR. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
	SINGLE RECEPTACLE, WALL MOUNTED +18" A.F.F. (U.O.N.)
	SINGLE RECEPTACLE (CLOCK HANGER TYPE) WALL MOUNTED +T-0" A.F.F. (U.O.N.)
	SWITCH CONTROLLED DUPLEX RECEPTACLE +18" U.O.N.
	DUPLEX GROUND FAULT INTERRUPTING RECEPTACLE +18" A.F.F. (U.O.N.)
	DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT +18" A.F.F. (U.O.N.)
	DUPLEX RECEPTACLE IN WEATHERPROOF ENCLOSURE +18" A.F.F. (U.O.N.)
	DUPLEX RECEPTACLE IN WEATHERPROOF "LOCKING" ENCLOSURE +18" A.F.F. (U.O.N.) (SEE TYPICAL DETAILS E3 SERIES SHEETS AND SPECIFICATIONS FOR REQUIRED TYPE).
	DUPLEX RECEPTACLE (ORANGE) ISOLATED GROUND WALL MOUNTED +18" A.F.F. (U.O.N.)
	FOURPLEX RECEPTACLE (ORANGE) ISOLATED GROUND WALL MOUNTED +18" A.F.F. (U.O.N.)
	DUPLEX RECEPTACLE SAFETY TYPE / TAMPER PROOF WALL MOUNTED +18" A.F.F. (U.O.N.)
	DUPLEX COMPUTER RECEPTACLE (GREY), WALL MOUNTED +18" A.F.F. (U.O.N.)
	DUPLEX COMPUTER RECEPTACLE (BLUE) ISOLATED GROUND, SURGE SUPPRESSION, WALL MOUNTED +18" A.F.F. (U.O.N.)
	SINGLE RECEPTACLE 30 AMP, 250V, 4W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
	FUSED DISCONNECT SWITCH, WHERE SHOWN NF = NON-FUSED.
	MANUAL MOTOR STARTER +48" A.F.F. OR ON EQUIPMENT (U.O.N.)
	MOTOR CONNECTION, NUMERAL INDICATES HORSEPOWER.
	MECHANICAL EQUIPMENT TAG (SEE MECHANICAL DRAWINGS FOR DESCRIPTION)
	CONDUIT AND WIRE, CONCEALED IN CEILING OR WALL
	CONDUIT AND WIRE, CONCEALED IN OR UNDER FINISHED FLOOR OR UNDER FINISHED GRADE.
	FLEXIBLE CONDUIT CONNECTION
	BRANCH CIRCUIT HOMERUN TO PANEL. SLASHES INDICATE NUMBER OF CONDUCTORS. EQUIPMENT GROUND WIRE NOT INDICATED U.O.N. #12 CONDUCTORS ARE MINIMUM, NO HASH MARKS = MIN (2) #12
	3/4" CONDUIT STUBBED FROM DEVICE TO ABOVE ACCESSIBLE CEILING
	BRANCH CIRCUIT HOMERUN, NUMBER INDICATES INCREASED CONDUCTOR SIZE, CONDUCTORS SHALL REMAIN AS INDICATED FOR SIZE THROUGHOUT THE ENTIRE CIRCUIT.
	PANELBOARD, SURFACE MOUNTED.
	PANELBOARD, RECESSED
	STEP-DOWN TRANSFORMER
	DISTRIBUTION SWITCHBOARD



NOTE: MAINTAIN MINIMUM 30"x48" CLEAR FLOOR SPACE AT EACH APPROACH.

MOUNTING HEIGHT OVER OBSTRUCTION

NO SCALE

1
E1.0

GENERAL PROJECT NOTES:

- UNLESS WHERE OTHERWISE NOTED, ALL WORK INDICATED ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK.
- UNLESS WHERE OTHERWISE NOTED, ALL DIMENSIONS ARE TO BE CENTERLINE OF THE DEVICE.
- "GENERAL NOTES" SHOWN ON AN INDIVIDUAL DRAWING APPLY TO ALL WORK SHOWN ON THAT SHEET. "KEY NOTES" ONLY APPLY TO SPECIFIC ITEMS WHERE ANNOTATED AT SPECIFIC LOCATIONS. SOME KEY NOTES MAY NOT APPLY TO ANY SPECIFIC ITEMS.
- UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.

MEP COMPONENT ANCHORAGE NOTE:

ALL 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 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

- 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.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2016 CBC, SECTIONS 1616A.1.23, 1616A.1.24 AND 1616A.1.25 AND 1616A.1.26.

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

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

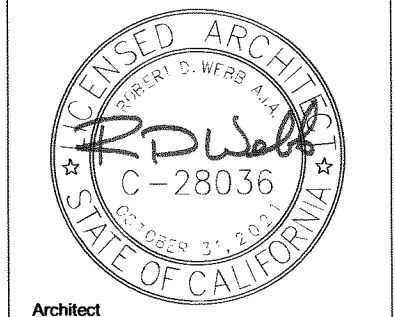
- MP□MD□PP□E□ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
- MP□MD□PP□E□ - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM) #
- MP□MD□PP□E□ - OPTION 3: SHALL COMPLY WITH THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2004), INCLUDING ANY ADDENDA, FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL _____ AND CONNECTION LEVEL _____ FOR THE PROJECT AND CONDITIONS.

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DIV. OF THE STATE ARCHITECT

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DATE MAR 17 2020

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SYCAMORE CANYON SCHOOL
3-CLASSROOM ADDITION
SANTEE SCHOOL DISTRICT

**ELECTRICAL
SYMBOLS AND
NOTES**

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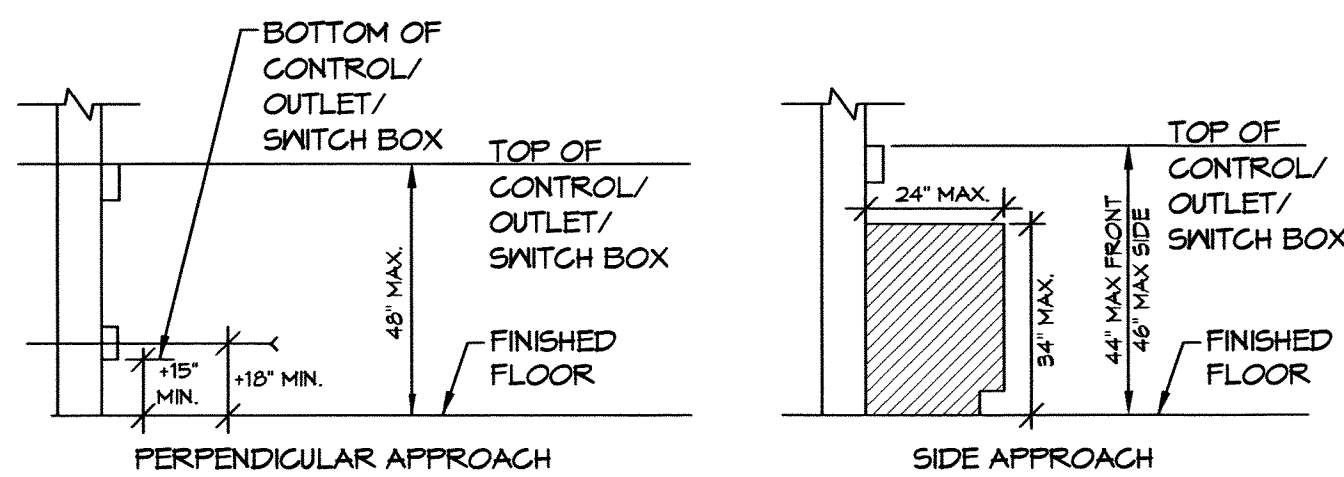
ABBREVIATIONS

A	AMPERE (AMPS)
AC	ALTERNATING CURRENT
AF	AMPS-FRAME (RATING)
AIC	AMP INTERRUPTING CURRENT
AM	AMMETER
AS	AMP SWITCH (FUZED SWITCH RATING)
AT	AMPS-TRIP (RATING)
AWG	AMERICAN WIRE GAUGE
BC	BARE COPPER
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CO	CONDUIT ONLY
CT	CURRENT TRANSFORMER
CU	COPPER
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
DPDT	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
DWG	DRAWING
EX	EXISTING
FLA	FULL LOAD AMPS
FVR	FULL VOLTAGE REVERSING
FVNR	FULL VOLTAGE NON-REVERSING
GFI	GROUND FAULT INTERRUPTER
GRD/GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HZ	HERTZ
KVA	KILOWATT
LCL	LONG CONTINUOUS LOAD
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
MCC	MOTOR CONTROL CENTER
MCM (KCM)	THOUSAND CIRCULAR MILS
MECH	MECHANICAL
NC	NORMALLY CLOSED
NF	NON-FUSED
NO	NORMALLY OPEN/NUMBER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
P	POLE
PH	PHASE
POC	POINT OF CONNECTION
FRS	PVC COATED RIGID STEEL (CONDUIT)
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE DUCT
SNBD	SWITCHBOARD
TYP	TYPICAL
UG	UNDERGROUND
UCN	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLTAMPERES
VM	VOLTMETER
VL	VERIFY LOCATION
W	WIRE/NUTS
WP	WEATHERPROOF (NEMA TYPE 3R)
WT	WATERTIGHT
XP	EXPLOSION PROOF (RATED FOR AREA HAZARD)

ELECTRICAL SYMBOL LEGEND

POWER CONTINUED

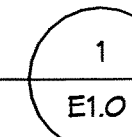
	DUPLEX RECEPTACLE, FLOOR MOUNTED
	DUPLEX RECEPTACLE, WALL MOUNTED, +18" A.F.F. (U.O.N.)
	RECEPTACLE, WALL MOUNTED HORIZONTALLY, +18" A.F.F. (U.O.N.)
	FOURPLEX RECEPTACLE, WALL MOUNTED, +18" A.F.F. (U.O.N.)
	RECEPTACLE MOUNTED +6" ABOVE COUNTER BACKSPLASH SEE ARCHITECTURAL PLANS FOR REQUIRED MOUNTING HEIGHT PRIOR TO ROUGH-IN.
	PROVIDE (2) DUPLEX RECEPTACLE CEILING MOUNTED LOGATE ADJACENT TO PROJECTOR. FIELD VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
	SINGLE RECEPTACLE, WALL MOUNTED +18" A.F.F. (U.O.N.)
	SINGLE RECEPTACLE (CLOCK HANGER TYPE) WALL MOUNTED +T-0" A.F.F. (U.O.N.)
	SWITCH CONTROLLED DUPLEX RECEPTACLE +18" U.O.N.
	DUPLEX GROUND FAULT INTERRUPTING RECEPTACLE +18" A.F.F. (U.O.N.)
	DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT +18" A.F.F. (U.O.N.)
	DUPLEX RECEPTACLE IN WEATHERPROOF ENCLOSURE +18" A.F.F. (U.O.N.)
	DUPLEX RECEPTACLE IN WEATHERPROOF "LOCKING" ENCLOSURE +18" A.F.F. (U.O.N.) (SEE TYPICAL DETAILS E3 SERIES SHEETS AND SPECIFICATIONS FOR REQUIRED TYPE).
	DUPLEX RECEPTACLE (ORANGE) ISOLATED GROUND WALL MOUNTED +18" A.F.F. (U.O.N.)
	FOURPLEX RECEPTACLE (ORANGE) ISOLATED GROUND WALL MOUNTED +18" A.F.F. (U.O.N.)
	DUPLEX RECEPTACLE SAFETY TYPE / TAMPER PROOF WALL MOUNTED +18" A.F.F. (U.O.N.)
	DUPLEX COMPUTER RECEPTACLE (GREY), WALL MOUNTED +18" A.F.F. (U.O.N.)
	DUPLEX COMPUTER RECEPTACLE (BLUE) ISOLATED GROUND, SURGE SUPPRESSION, WALL MOUNTED +18" A.F.F. (U.O.N.)
	SINGLE RECEPTACLE 30 AMP, 250V, 4W, GROUNDING, WALL MOUNTED +18" A.F.F. (U.O.N.). FIELD VERIFY EXACT OUTLET CONFIGURATION WITH EQUIPMENT PRIOR TO ROUGH-IN.
	FUSED DISCONNECT SWITCH, WHERE SHOWN NF = NON-FUSED.
	MANUAL MOTOR STARTER +48" A.F.F. OR ON EQUIPMENT (U.O.N.)
	MOTOR CONNECTION, NUMERAL INDICATES HORSEPOWER.
	MECHANICAL EQUIPMENT TAG (SEE MECHANICAL DRAWINGS FOR DESCRIPTION)
	CONDUIT AND WIRE, CONCEALED IN CEILING OR WALL
	CONDUIT AND WIRE, CONCEALED IN OR UNDER FINISHED FLOOR OR UNDER FINISHED GRADE.
	FLEXIBLE CONDUIT CONNECTION
	BRANCH CIRCUIT HOMERUN TO PANEL. SLASHES INDICATE NUMBER OF CONDUCTORS. EQUIPMENT GROUND WIRE NOT INDICATED U.O.N. #12 CONDUCTORS ARE MINIMUM, NO HASH MARKS = MIN (2) #12
	3/4" CONDUIT STUBBED FROM DEVICE TO ABOVE ACCESSIBLE CEILING
	BRANCH CIRCUIT HOMERUN, NUMBER INDICATES INCREASED CONDUCTOR SIZE, CONDUCTORS SHALL REMAIN AS INDICATED FOR SIZE THROUGHOUT THE ENTIRE CIRCUIT.
	PANELBOARD, SURFACE MOUNTED.
	PANELBOARD, RECESSED
	STEP-DOWN TRANSFORMER
	DISTRIBUTION SWITCHBOARD



NOTE: MAINTAIN MINIMUM 30"x48" CLEAR FLOOR SPACE AT EACH APPROACH.

MOUNTING HEIGHT OVER OBSTRUCTION

NO SCALE



GENERAL PROJECT NOTES:

- UNLESS WHERE OTHERWISE NOTED, ALL WORK INDICATED ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK.
- UNLESS WHERE OTHERWISE NOTED, ALL DIMENSIONS ARE TO BE CENTERLINE OF THE DEVICE.
- "GENERAL NOTES" SHOWN ON AN INDIVIDUAL DRAWING APPLY TO ALL WORK SHOWN ON THAT SHEET. "KEY NOTES" ONLY APPLY TO SPECIFIC ITEMS WHERE ANNOTATED AT SPECIFIC LOCATIONS. SOME KEY NOTES MAY NOT APPLY TO ANY SPECIFIC ITEMS.
- UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.

MEP COMPONENT ANCHORAGE NOTE:

ALL 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 DESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

- 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.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2016 CBC, SECTIONS 1616A.1.23, 1616A.1.24 AND 1616A.1.25 AND 1616A.1.26.

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

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

- MP □ MD □ PP □ E □ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
- MP □ MD □ PP □ E □ - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM) #
- MP □ MD □ PP □ E □ - OPTION 3: SHALL COMPLY WITH THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION (2009), INCLUDING ANY ADDENDA, FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL _____ AND CONNECTION LEVEL _____ FOR THE PROJECT AND CONDITIONS.

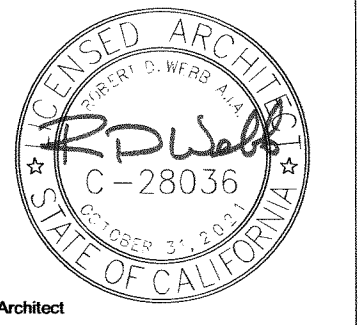
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SYCAMORE CANYON SCHOOL
3-CLASSROOM ADDITION
SANTEE SCHOOL DISTRICT

ELECTRICAL SYMBOLS AND NOTES

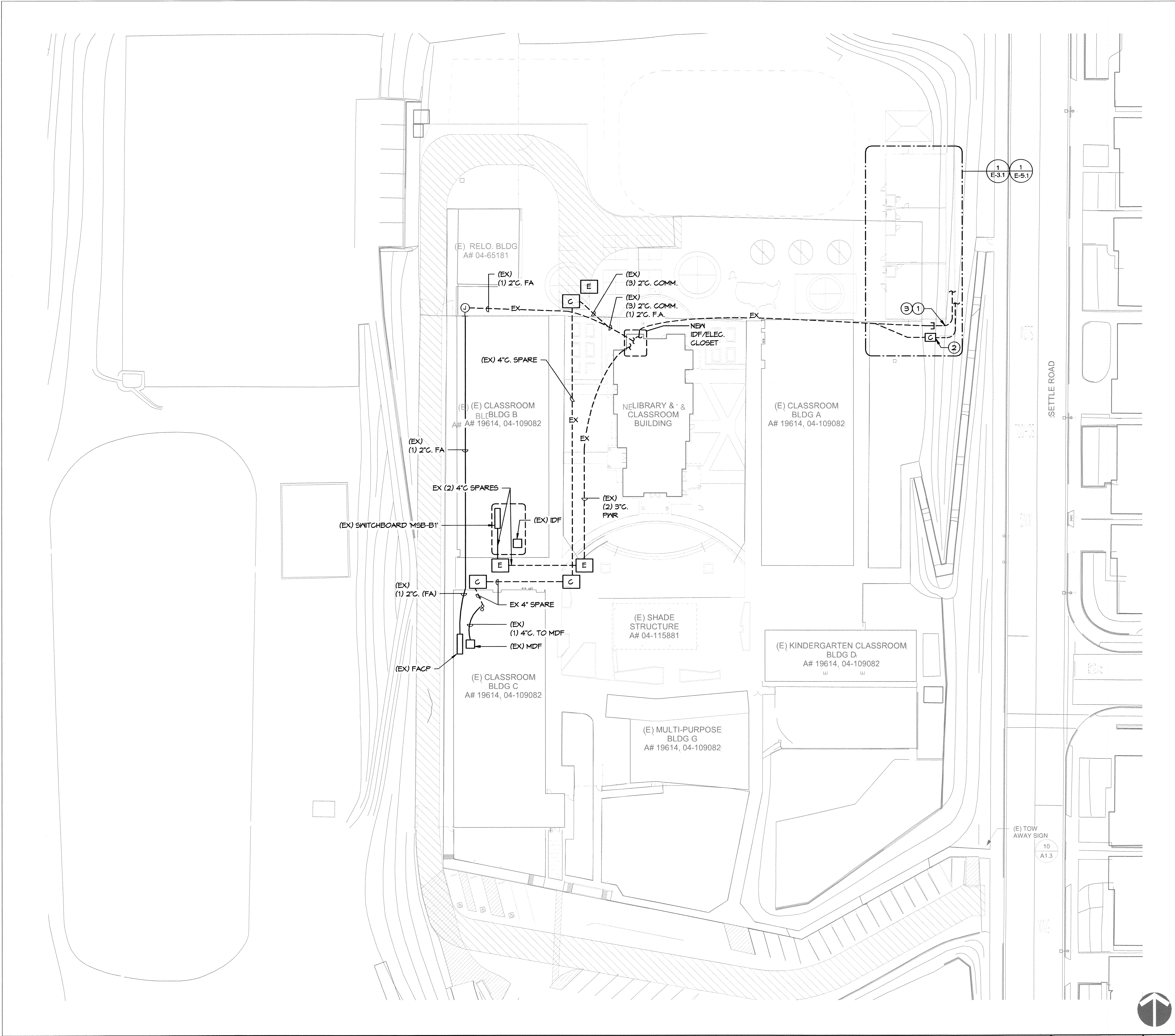
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E-1.0

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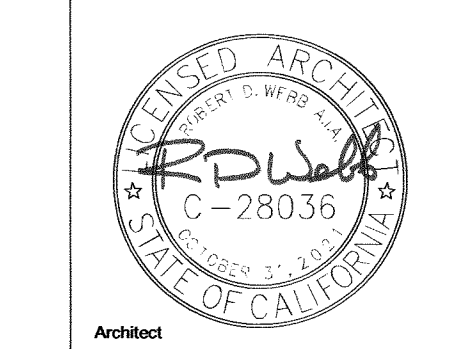
GENERAL NOTES:
 1. REFERENCE E4 SERIES SHEETS FOR TYPICAL CONDUIT AND BACKBOX INSTALLATION DETAILS.
 2. REFERENCE E4 SERIES SHEETS FOR TYPICAL COMMUNICATION SYSTEMS RISER DIAGRAM.
 3. REFERENCE RISER DIAGRAMS FOR TYPICAL CONDUIT SIZES AND ROUTINGS.

KEY NOTES:
 ① CONNECT TO EXISTING CONDUIT STUB OUT AND ROUTE TO NEW RELO PANEL.
 ② CONNECT TO EXISTING PULLBOX AND ROUTE TO LOW VOLTAGE EXTERIOR JUNCTION BOX.
 ③ CONNECT TO EXISTING CONDUITS STUB OUT AND ROUTE TO NEW FIRE ALARM EXTENDER PANEL.

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 SANTEE SCHOOL DISTRICT

OVERALL SITE PLAN

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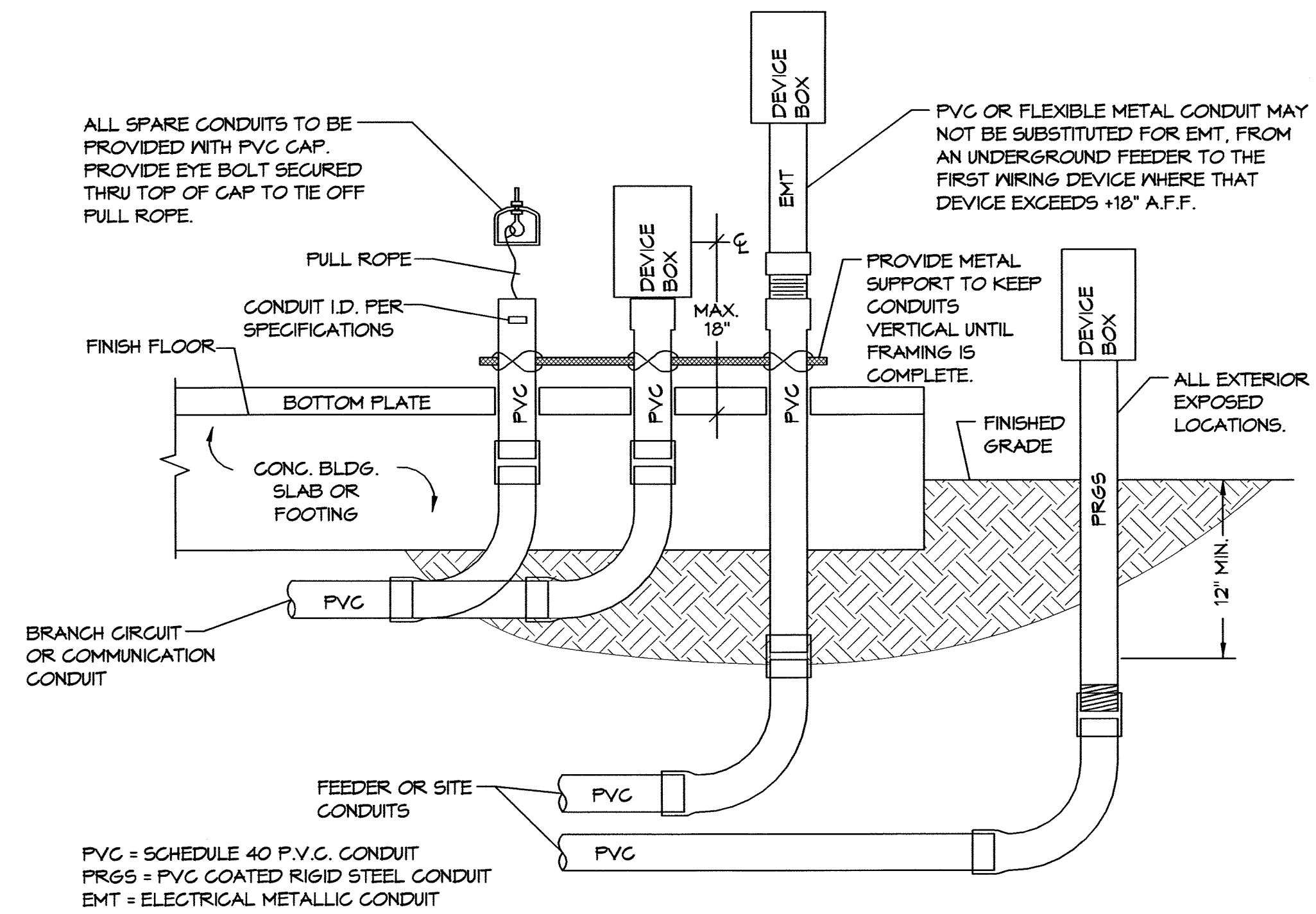
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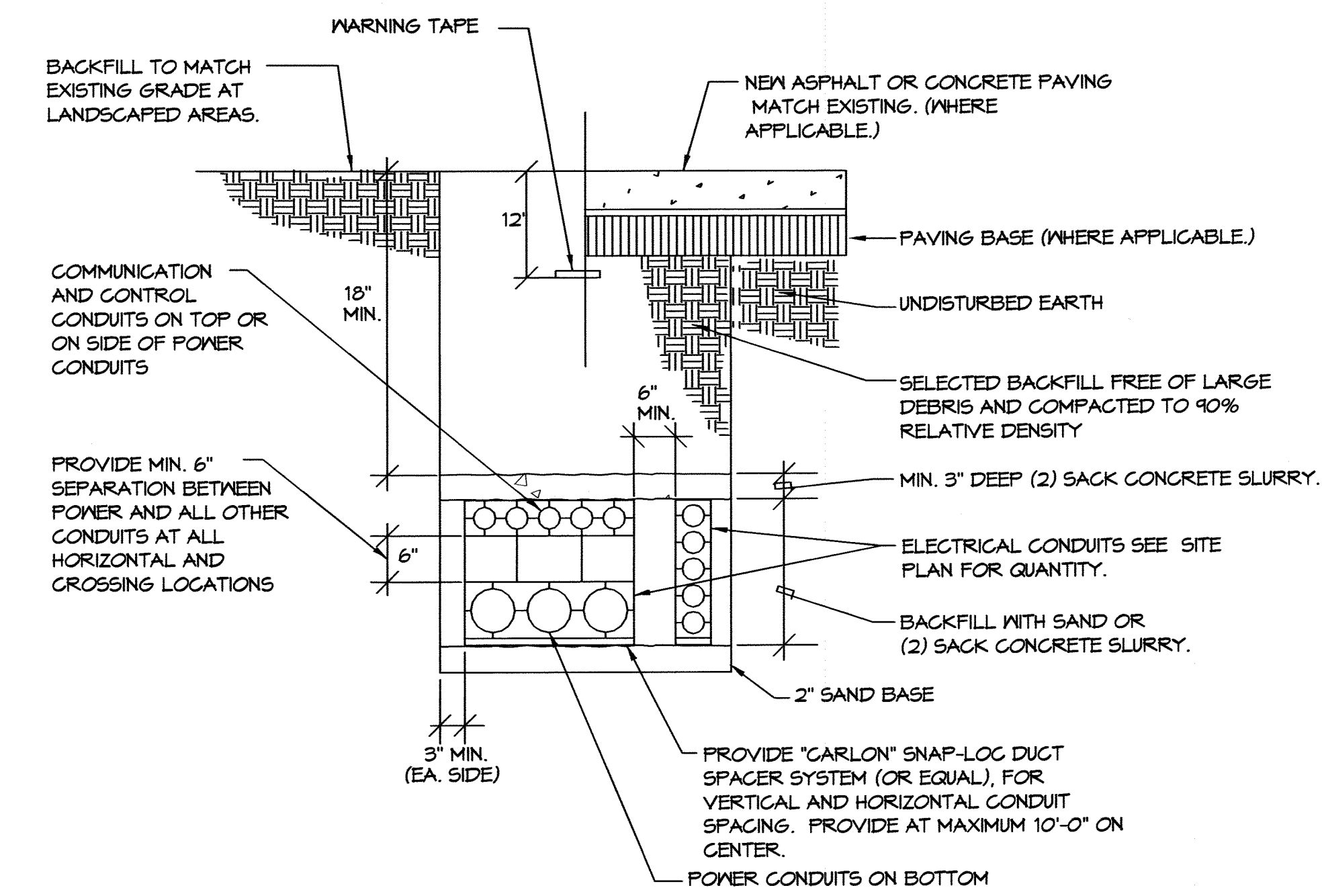
REGISTERED PROFESSIONAL ENGINEER
 JOHN W. GOESE-HARVEY
 NO. E 14781
 Exp. 6-30-2021
 ELECTRICAL
 STATE OF CALIFORNIA

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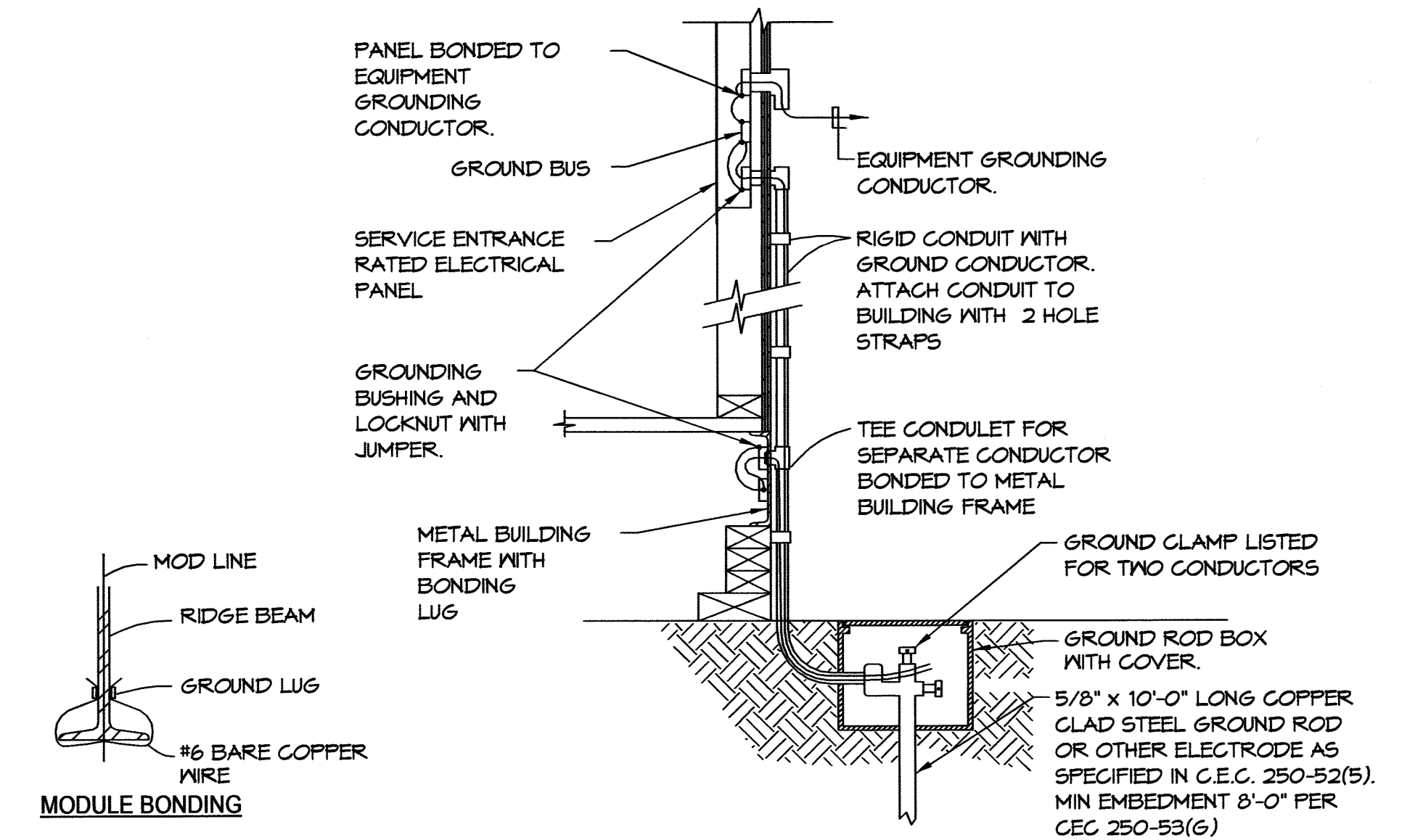
TYPICAL CONDUIT DETAIL
 NO SCALE

1
 E-1.2



TYPICAL TRENCH DETAIL
 NO SCALE

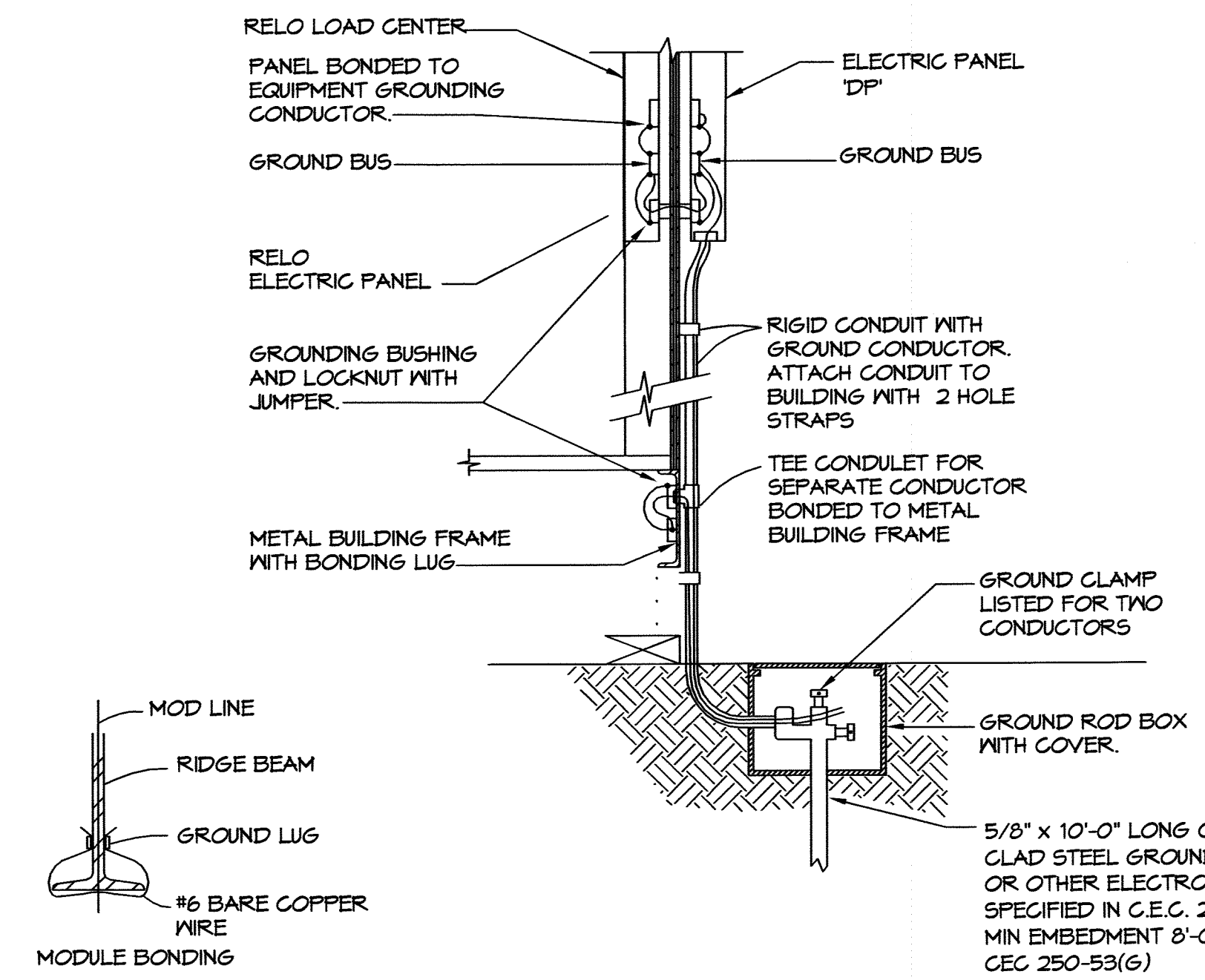
2
 E-1.2



- GENERAL NOTE:**
1. SIZE OF CONDUCTOR SHALL COMPLY WITH C.E.C. TABLE 250-66.
 2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL (250-52(5)) AND TO METAL BUILDING FRAME (C.E.C. 250-104(C)). IN ADDITION TO THE DETAIL ABOVE BOND THE ELECTRICAL GROUND TO METAL WATER PIPE IF AVAILABLE (C.E.C. 250-104(A)).
 3. ALL MODULES OF METAL FRAME BUILDINGS AND RAMP SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING).
 4. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, EXTEND CONDUCTORS, AS REQUIRED TO ADDITIONAL GROUND RODS AS NEEDED, SEPARATED BY AT LEAST 6'-0" UNTIL RESISTANCE IS 25 OHM OR LESS (CEC 250.56).

RELOCATABLE CLASSROOM GROUNDING DETAIL
 NO SCALE

3
 E-1.2



- GENERAL NOTE:**
1. SIZE OF CONDUCTOR SHALL COMPLY WITH C.E.C. TABLE 250-66.
 2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL (250-52(5)) AND TO METAL BUILDING FRAME (C.E.C. 250-104(C)). IN ADDITION TO THE DETAIL ABOVE BOND THE ELECTRICAL GROUND TO METAL WATER PIPE IF AVAILABLE (C.E.C. 250-104(A)).
 3. ALL MODULES OF METAL FRAME BUILDINGS AND RAMP SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING).
 4. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, EXTEND CONDUCTORS, AS REQUIRED TO ADDITIONAL GROUND RODS AS NEEDED, SEPARATED BY AT LEAST 6'-0" UNTIL RESISTANCE IS 25 OHM OR LESS (CEC 250.53(A)(2)(3)).

RELOCATABLE CLASSROOM GROUNDING DETAIL #2
 NO SCALE

4
 E-1.2

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SYCAMORE CANYON SCHOOL
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**SITE ELECTRICAL
 DETAILS**

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Professional Engineer Seal for M. K. Kuehl, State of California, License No. E 14781, Exp. 6-30-2021.

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GENERAL NOTES:

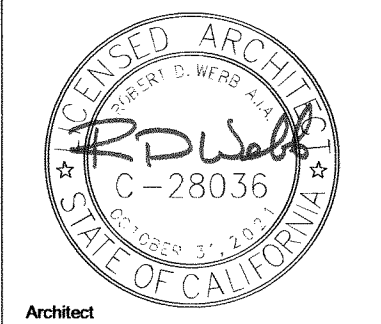
1. REFERENCE E4 SERIES SHEETS FOR TYPICAL CONDUIT AND BACKBOX INSTALLATION DETAILS.
2. REFERENCE E4 SERIES SHEETS FOR TYPICAL COMMUNICATION SYSTEMS RISER DIAGRAM.
3. REFERENCE RISER DIAGRAMS FOR TYPICAL CONDUIT SIZES AND ROUTINGS.

KEY NOTES:

- ① (2) #12 (HOT), (1) #10 (NEUTRAL), (1) #12 (GND), 3/4" C.

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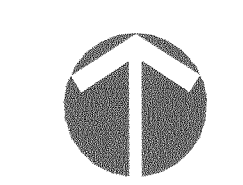
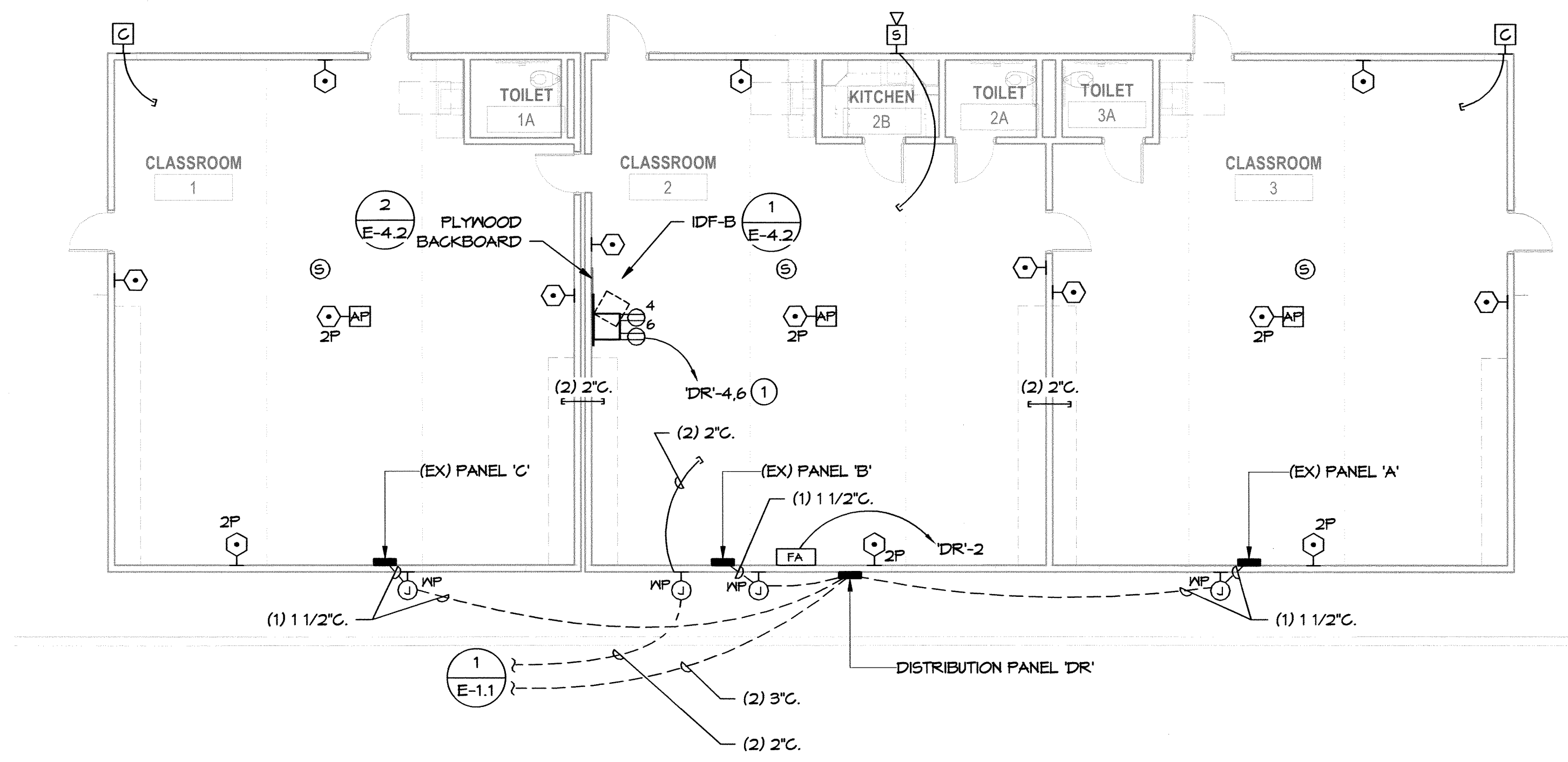
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SANTEE SCHOOL DISTRICT

**FLOOR PLAN -
POWER**

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E-3.1



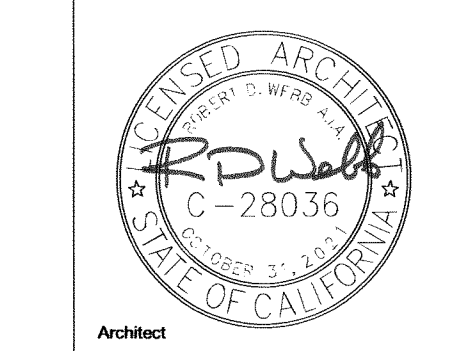
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SYCAMORE CANYON SCHOOL
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ONE-LINE DIAGRAM

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E-3.2

600Volt Feeder Schedule						
I.D.	Type	Ampacity	Copper		Aluminum	
			Conduit	Conductors	Conduit	Conductors
2A	20	(1)	3/4"	3 # 12, 1# 12 Gnd	NA	NA
2B	20	(1)	3/4"	4 # 12, 1# 12 Gnd	NA	NA
3A	30	(1)	3/4"	3 # 10, 1# 10 Gnd	NA	NA
3B	30	(1)	3/4"	4 # 10, 1# 10 Gnd	NA	NA
4A	40	(1)	1"	3 # 8, 1# 10 Gnd	NA	NA
4B	40	(1)	1"	4 # 8, 1# 10 Gnd	NA	NA
5A	50	(1)	1"	3 # 6, 1# 10 Gnd	NA	NA
5B	50	(1)	1"	4 # 6, 1# 10 Gnd	NA	NA
6A	60	(1)	1 1/4"	3 # 4, 1# 8 Gnd	NA	NA
6B	60	(1)	1 1/4"	4 # 4, 1# 8 Gnd	NA	NA
7A	70	(1)	1 1/4"	3 # 4, 1# 8 Gnd	NA	NA
7B	70	(1)	1 1/4"	4 # 4, 1# 8 Gnd	NA	NA
8A	80	(1)	1 1/4"	3 # 3, 1# 8 Gnd	NA	NA
8B	80	(1)	1 1/4"	4 # 3, 1# 8 Gnd	NA	NA
9A	90	(1)	1 1/2"	3 # 2, 1# 8 Gnd	NA	NA
9B	90	(1)	1 1/2"	4 # 2, 1# 8 Gnd	NA	NA
10A	100	(1)	1 1/2"	3 # 1, 1# 6 Gnd	NA	NA
10B	100	(1)	1 1/2"	4 # 1, 1# 6 Gnd	NA	NA
12A	125	(1)	2"	3 # 1, 1# 6 Gnd	(1)	2" 3 # 2/0, 1# 3 Gnd
12B	125	(1)	2"	4 # 1, 1# 6 Gnd	(1)	2" 4 # 2/0, 1# 3 Gnd
15A	150	(1)	2"	3 # 1/0, 1# 6 Gnd	(1)	2" 3 # 3/0, 1# 3 Gnd
15B	150	(1)	2"	4 # 1/0, 1# 6 Gnd	(1)	2" 4 # 3/0, 1# 3 Gnd
17A	175	(1)	2"	3 # 2/0, 1# 6 Gnd	(1)	2" 3 # 4/0, 1# 3 Gnd
17B	175	(1)	2"	4 # 2/0, 1# 6 Gnd	(1)	2" 4 # 4/0, 1# 3 Gnd
20A	200	(1)	3"	3 # 3/0, 1# 4 Gnd	(1)	3" 3 # 250, 1# 2 Gnd
20B	200	(1)	3"	4 # 3/0, 1# 4 Gnd	(1)	3" 4 # 250, 1# 2 Gnd
22A	225	(1)	3"	3 # 4/0, 1# 4 Gnd	(1)	3" 3 # 300, 1# 2 Gnd
22B	225	(1)	3"	4 # 4/0, 1# 4 Gnd	(1)	3" 4 # 300, 1# 2 Gnd
25A	250	(1)	3"	3 # 250, 1# 4 Gnd	(1)	3" 3 # 350, 1# 2 Gnd
25B	250	(1)	3"	4 # 250, 1# 4 Gnd	(1)	3" 4 # 350, 1# 2 Gnd
30A	300	(1)	3"	3 # 350, 1# 4 Gnd	(1)	3" 3 # 500, 1# 2 Gnd
30B	300	(1)	3"	4 # 350, 1# 4 Gnd	(1)	3" 4 # 500, 1# 2 Gnd
35A	350	(2)	2"	3 # 2/0, 1# 2 Gnd	(2)	2" 3 # 4/0, 1# 1 Gnd
35B	350	(2)	2"	4 # 2/0, 1# 2 Gnd	(2)	2" 4 # 4/0, 1# 1 Gnd
40A	400	(2)	3"	3 # 3/0, 1# 2 Gnd	(2)	3" 3 # 250, 1# 1/0 Gnd
40B	400	(2)	3"	4 # 3/0, 1# 2 Gnd	(2)	3" 4 # 250, 1# 1/0 Gnd
45A	450	(2)	3"	3 # 4/0, 1# 2 Gnd	(2)	3" 3 # 300, 1# 1/0 Gnd
45B	450	(2)	3"	4 # 4/0, 1# 2 Gnd	(2)	3" 4 # 300, 1# 1/0 Gnd
50A	500	(2)	3"	3 # 250, 1# 2 Gnd	(2)	3" 3 # 350, 1# 1/0 Gnd
50B	500	(2)	3"	4 # 250, 1# 2 Gnd	(2)	3" 4 # 350, 1# 1/0 Gnd
60A	600	(2)	3"	3 # 350, 1# 1 Gnd	(2)	3" 3 # 500, 1# 2/0 Gnd
60B	600	(2)	3"	4 # 350, 1# 1 Gnd	(2)	3" 4 # 500, 1# 2/0 Gnd
70A	700	(3)	3"	3 # 4/0, 1# 1/0 Gnd	(3)	3" 3 # 300, 1# 3/0 Gnd
70B	700	(3)	3"	4 # 4/0, 1# 1/0 Gnd	(3)	3" 4 # 300, 1# 3/0 Gnd
80A	800	(3)	3"	3 # 300, 1# 1/0 Gnd	(3)	3" 3 # 500, 1# 3/0 Gnd
80B	800	(3)	3"	4 # 300, 1# 1/0 Gnd	(3)	3" 4 # 500, 1# 3/0 Gnd
100B	1000	(4)	3"	4 # 250, 1# 2/0 Gnd	(4)	3" 4 # 400, 1# 4/0 Gnd
120B	1200	(4)	4"	4 # 350, 1# 3/0 Gnd	(4)	4" 4 # 500, 1# 250 Gnd
160B	1600	(5)	4"	4 # 400, 1# 4/0 Gnd	(5)	4" 4 # 600, 1# 350 Gnd
200B	2000	(6)	4"	4 # 500, 1# 250 Gnd	(6)	4" 4 # 600, 1# 400 Gnd
250B	2500	(7)	4"	4 # 500, 1# 350 Gnd	(7)	4" 4 # 750, 1# 600 Gnd
300B	3000	(8)	4"	4 # 500, 1# 350 Gnd	(8)	4" 4 # 750, 1# 600 Gnd
350B	3500	(12)	4"	4 # 350, 1# 400 Gnd	(12)	4" 4 # 500, 1# 600 Gnd
400B	4000	(12)	4"	4 # 400, 1# 400 Gnd	(12)	4" 4 # 600, 1# 750 Gnd

GENERAL NOTES:

- A FAULT CURRENT AND TIME CURRENT STUDY MUST BE PROVIDED AS DESCRIBED IN THE SPECIFICATIONS PRIOR TO FINAL APPROVAL OF THE POWER EQUIPMENT.
- REFERENCE DETAIL FOR ALL EQUIPMENT FAULT CURRENT RATINGS. (E-3.2)
- UNLESS WHERE OTHERWISE NOTED, ALL WORK INDICATED ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK.
- ALL ELECTRICAL GEAR AND EQUIPMENT SHOWN ON ONE-LINE DIAGRAM SHALL BE NEMA 3R UNLESS OTHERWISE NOTED.

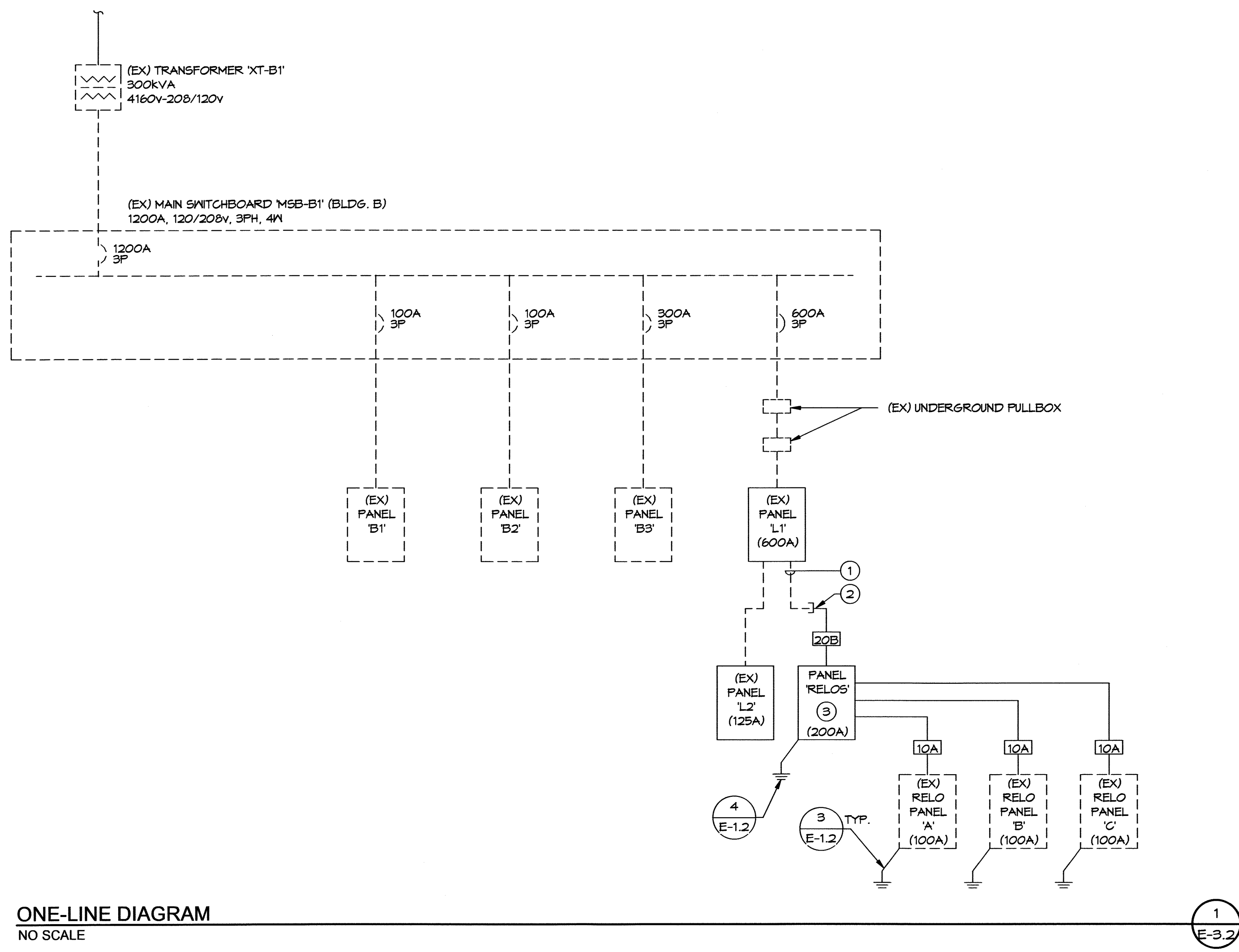
KEY NOTES:

- NEW WIRE IN EXISTING CONDUIT.
- EXISTING CONDUIT STUBBED OUT IN VICINITY OF NEW PROJECT.
- NEMA 3R.

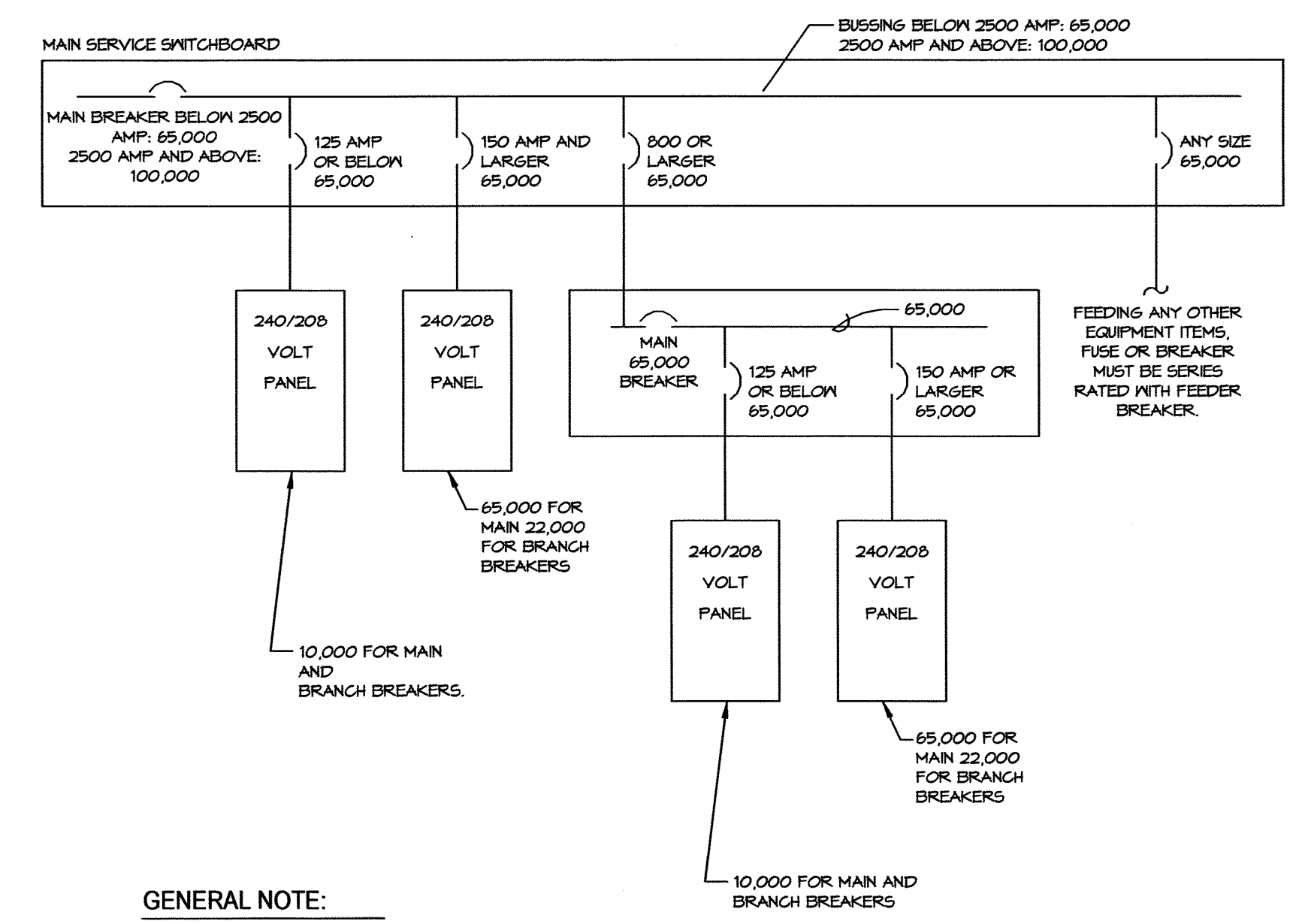
LOAD CALCULATION	
(EX) TOTAL LOAD (120/208V)	= 627 A
NEW ADDED LOAD	= 160 A
	= 787 A
EXISTING MSB-B1 1200 AMPS, 120/208V	

600V FEEDER SCHEDULE GENERAL NOTES:

- ALL CONDUCTOR SHALL BE PROVIDED WITH TYPE THWN-2 INSULATION. REFERENCE SPECIFICATION SECTION 26 05 19 (16120) FOR ADDITIONAL REQUIREMENTS.
- PROVIDE 60 DEGREE COPPER/ALUMINUM RATED TERMINATION FOR ALL FEEDERS SIZED WITH #2 OR SMALLER CONDUCTORS. PROVIDE 75 DEGREE COPPER/ALUMINUM RATED TERMINATIONS FOR ALL FEEDERS SIZED WITH #1 OR LARGER CONDUCTORS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ORDERING LUG CONFIGURATION AN ALL EQUIPMENT, BREAKER OF DISCONNECTS TO MATCH FEEDER CONFIGURATIONS INDICATED.
- WHERE MULTIPLE CONDUIT QUANTITIES ARE INDICATED, CONDUCTOR QUANTITIES AND SIZES SHOWN IN SCHEDULE SHALL BE PROVIDED IN EACH CONDUIT.



ONE-LINE DIAGRAM
NO SCALE



- GENERAL NOTE:
- ALL RATINGS SHOWN ARE FOR A UL LISTED SERIES COMBINATION OF THE BREAKERS INDICATED.

TYPICAL 208/240 VOLT SERVICE AIC EQUIPMENT RATING
NO SCALE

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BACKBOX AND RING LEGEND	
TYPE	DESCRIPTION
B1'	4 11/16" square 2 1/8" deep box with single gang ring.
B2'	4 11/16" square 2 1/8" deep box with dual gang ring.
B3'	4" square 1 1/2" deep box with single gang ring.
C1'	Provided by 27 10 00 contractor.
C2'	Provided by 27 21 00 contractor.

FACEPLATE LEGEND	
TYPE	DESCRIPTION
'AR'	As required to accommodate the number of ports designated.

CONDUIT / RACEWAY LEGEND	
TYPE	DESCRIPTION
'3/4-5'	3/4" conduit stubbed from box into accessible ceiling space, unless detailed otherwise on drawings.
'1-5'	1" conduit stubbed from box into accessible ceiling space, unless detailed otherwise on drawings.

TECHNOLOGY SYMBOL LEGEND				
SYMBOL	DESCRIPTION	BACKBOX & RING	FACE PLATE	CONDUIT / RACEWAY
	Dual port data outlet, +18"A.F.F. (U.O.N.)	Type 'B1'	Type 'AR'	Type '3/4-5' or surface raceway per floor plans.
	Single port data outlet, +18"A.F.F. (U.O.N.)	Type 'B1'	Type 'AR'	Type '3/4-5' or surface raceway per floor plans.
	Dual port data outlet at wireless access point mounted in accessible ceiling (U.O.N.)	See detail	Type 'C2'	Not required in accessible ceiling.
	Conduit stubbed above ceiling sleeved through walls			Provide (1) 2" conduit for open wire communications system wiring (U.O.N.)
	Conduit stubbed above ceiling			3/4" conduit stubbed from device to specific ceiling area.
	Conduit stubbed above ceiling sleeved through walls a=Quantity, b=Size			Multiple conduits for open low voltage wiring, size and quantity as indicated.

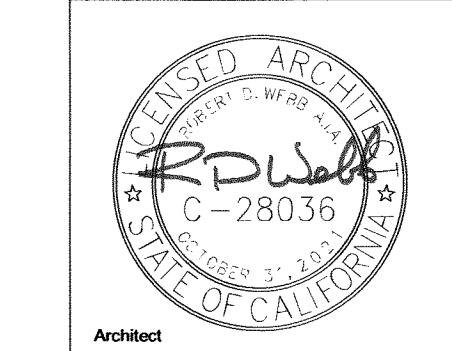
COMMUNICATION / SECURITY SYMBOL LEGEND				
SYMBOL	DESCRIPTION	BACKBOX & RING	FACE PLATE	CONDUIT / RACEWAY
	IP-based intercom speaker, recessed in ceiling.	Type 'C1', installed by electrical contractor.	Type 'C1'	Type '3/4-5'
	IP-based intercom horn, surface mounted on exterior wall, +8'-0" A.F.F. (U.O.N.)	Type 'C1', installed by electrical contractor.	Type 'C1'	Type '3/4-5'
	Clock wall mounted +84" A.F.F.	Not required	Not required	Not required
	Surveillance camera location, exterior type. Height as shown on floor plans	Type 'B1'	Type 'C6' (Weathertight)	Type '1-5'

GENERAL NOTES:

- ALL CONDUITS WHICH ARE REQUIRED AS A PART OF SYSTEMS SPECIFIED FOR COMMUNICATIONS, TELEPHONE, INTERCOM, CLOCK FIRE ALARM, SECURITY, SOUND SYSTEMS, DATA NETWORKING, OR AUDIO-VISUAL SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
 - THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CONDUIT REQUIREMENTS WITH EACH SYSTEM SUPPLIER PRIOR TO BID TO DETERMINE SPECIAL CONDUIT SYSTEM REQUIREMENTS.
 - THE ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT SLEEVES FOR ALL OPEN CABLE INSTALLATIONS THROUGH RATED WALLS, BLOCK WALLS AND WHERE SHOWN ON THE DRAWINGS. PROVIDE CONDUIT FROM EACH BUILDING MAIN TERMINATION CABINET OR BACKBOARD TO THE NEAREST ACCESSIBLE CEILING FOR ACCESS INTO ALL ELECTRICAL OR COMMUNICATIONS ROOMS.
 - ALL CONDUIT, BOXES, AND RINGS SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
 - ALL BLANK PLATES SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. (UNLESS OTHERWISE NOTED)
 - ALL CONDUITS SHALL BE FURNISHED WITH FULL STRINGS BY ELECTRICAL CONTRACTOR. COMMUNICATION CONTRACTOR TO PROVIDE POLYARIMIO FULL TAPE WITH NEW CABLING INTO ALL CONDUITS BETWEEN BUILDINGS. SEE SPECIFICATIONS FOR REQUIREMENTS.
 - CONTRACTOR TO REVIEW ARCHITECTURAL CEILING PLANS TO DETERMINE LOCATIONS OF ACCESSIBLE CEILINGS PRIOR TO BID.
 - (271000) NUMBERS INDICATE MATCHING SPECIFICATION SECTION RESPONSIBLE FOR THIS WORK.
- IN ADDITION TO THE ABOVE REQUIREMENTS, THE FOLLOWING REQUIREMENTS SHALL APPLY TO ALL DATA/VOICE, PAGING, AUDIO-VISUAL, SECURITY AND CLOCK CONDUITS:
 - FLEXIBLE METAL CONDUIT MAY BE USED ONLY WHERE REQUIRED AT BUILDING SEISMIC AND/OR EXPANSION JOINTS.
 - ALL UNDERGROUND CONDUITS SHALL BE PROVIDED WITH MINIMUM 24" RADIUS ELBOWS.
 - NO LENGTH OF CONDUIT SHALL BE INSTALLED TO EXCEED 150 FEET BETWEEN FULL BOXES, OR POINTS OF CONNECTION, UNLESS WHERE SPECIFICALLY DETAILED ON THE DRAWINGS.
 - NO LENGTH OF CONDUIT SHALL BE INSTALLED TO EXCEED TWO 90 DEGREE BENDS BETWEEN FULL BOXES, OR POINTS OF CONNECTION, UNLESS WHERE SPECIFICALLY DETAILED ON THE DRAWINGS.

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SANTEE SCHOOL DISTRICT

COMMUNICATION
LEGEND & NOTES

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Author: _____
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Date: _____

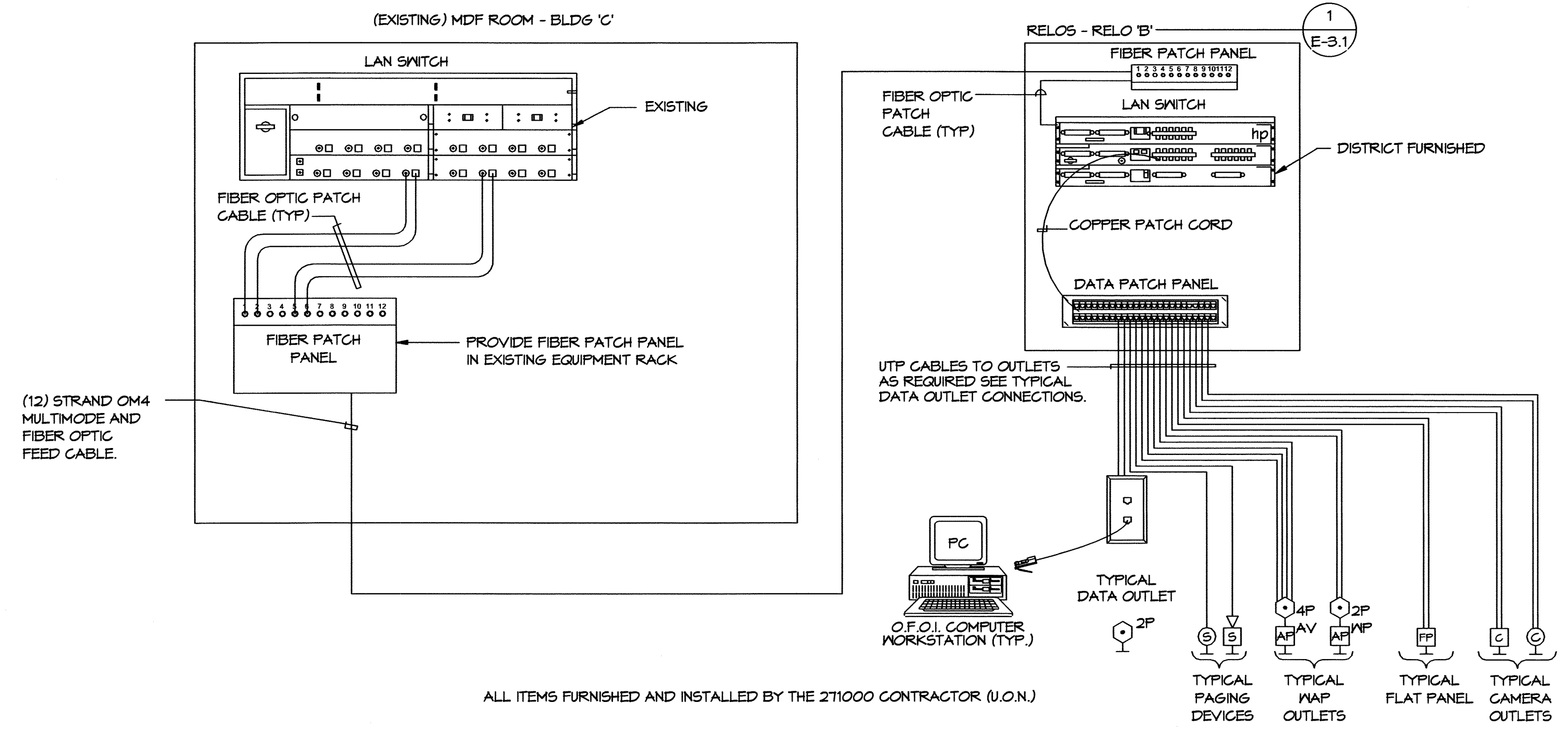
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E-4.0

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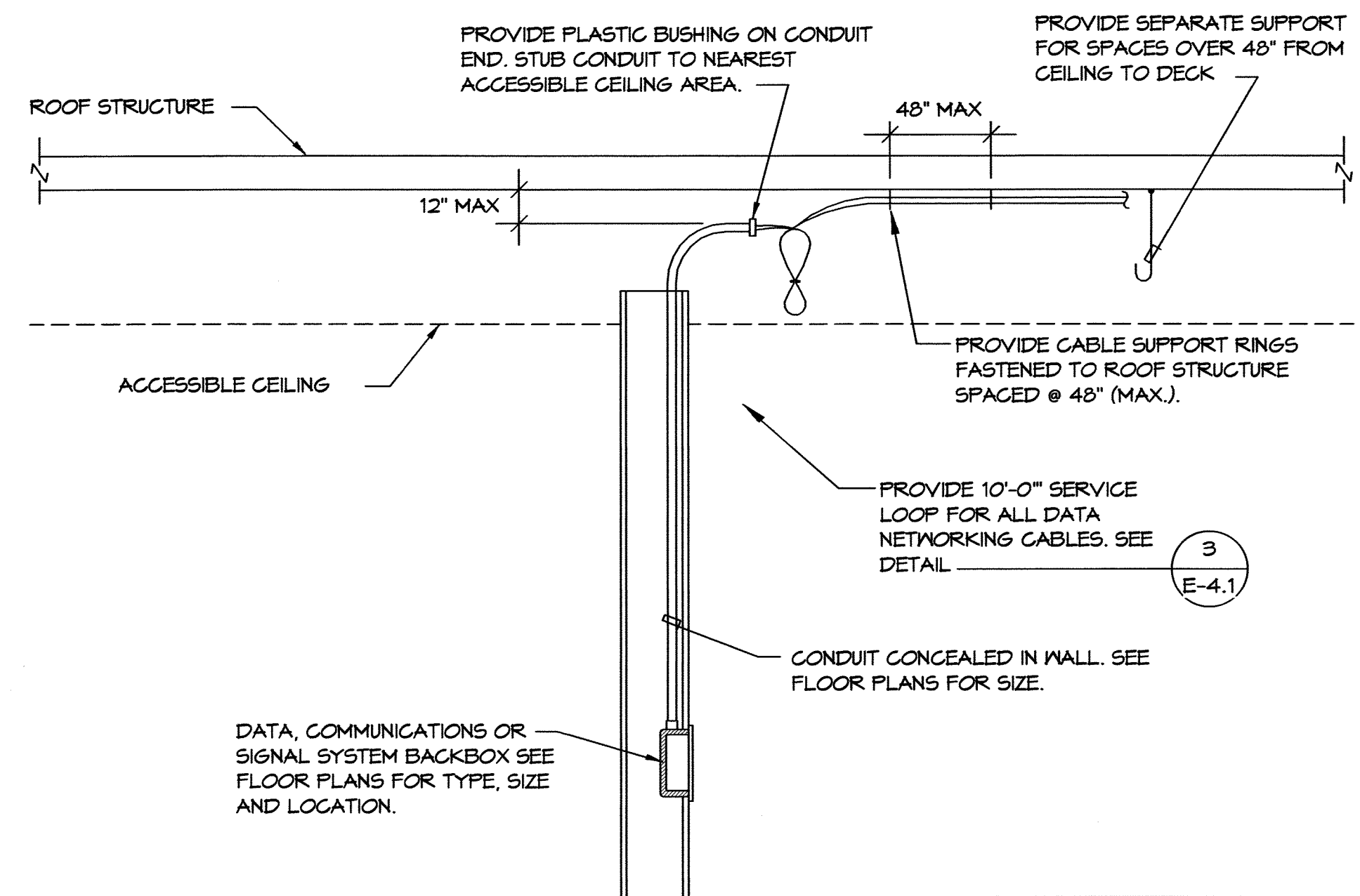
Professional Engineer Seal: R. D. Wells, No. E 14781, Exp. 6-30-2021, State of California, Electrical

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DATA NETWORKING WIRING DIAGRAM
NO SCALE

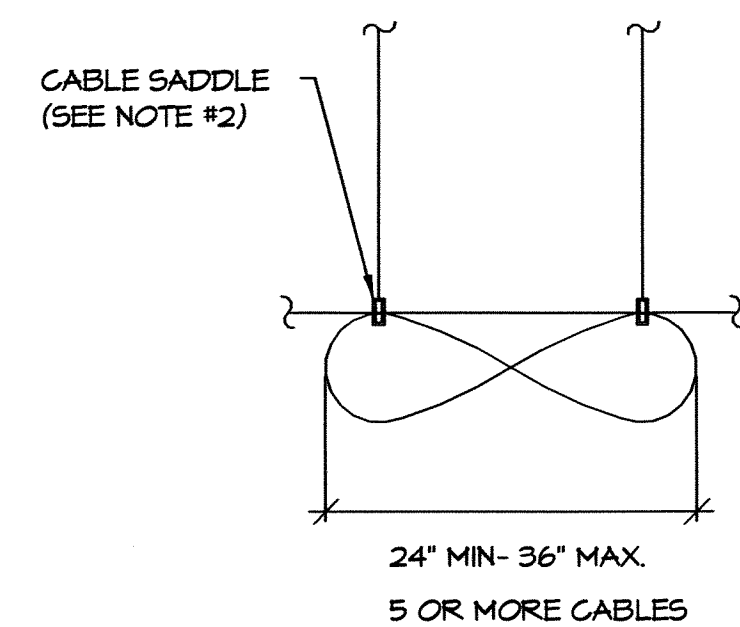
1
E-4.1



NOTE:
REFERENCE CONTRACT DOCUMENTS FOR WHICH SYSTEMS, AND IN WHAT AREAS OPEN WIRE INSTALLATIONS ARE PERMITTED.

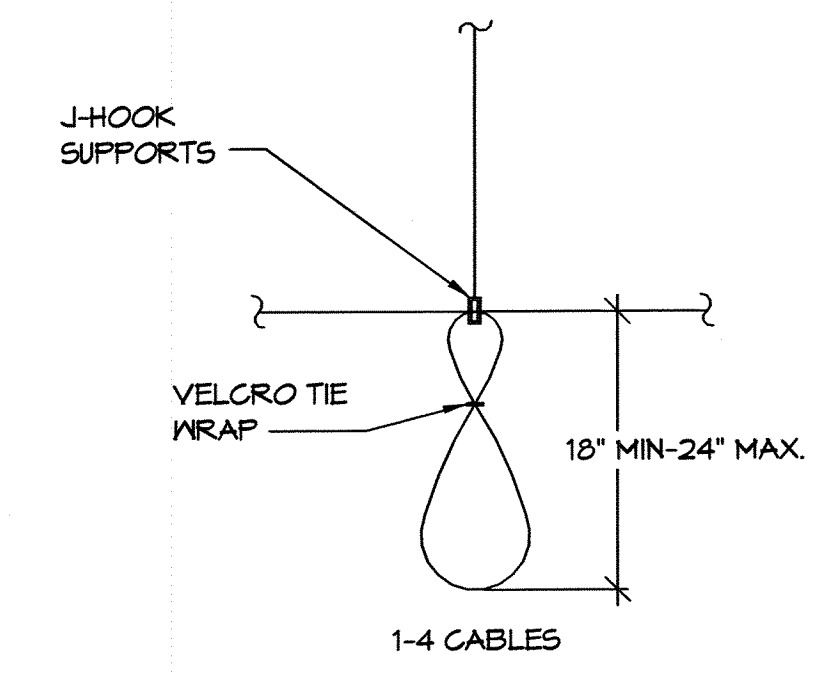
COMMUNICATIONS SYSTEM OPEN WIRE/CONDUIT STUB TYPICAL DETAIL
NO SCALE

2
E-4.1



TYPICAL SERVICE LOOP
NO SCALE

3
E-4.1



NOTE:
1. ALL SERVICE LOOPS SHALL BE FORMED IN FIGURE B CONFIGURATION
2. SADDLE SHALL BE SIZED TO HOLD QUANTITY OF CABLES REQUIRED PER MANUFACTURE REQ.

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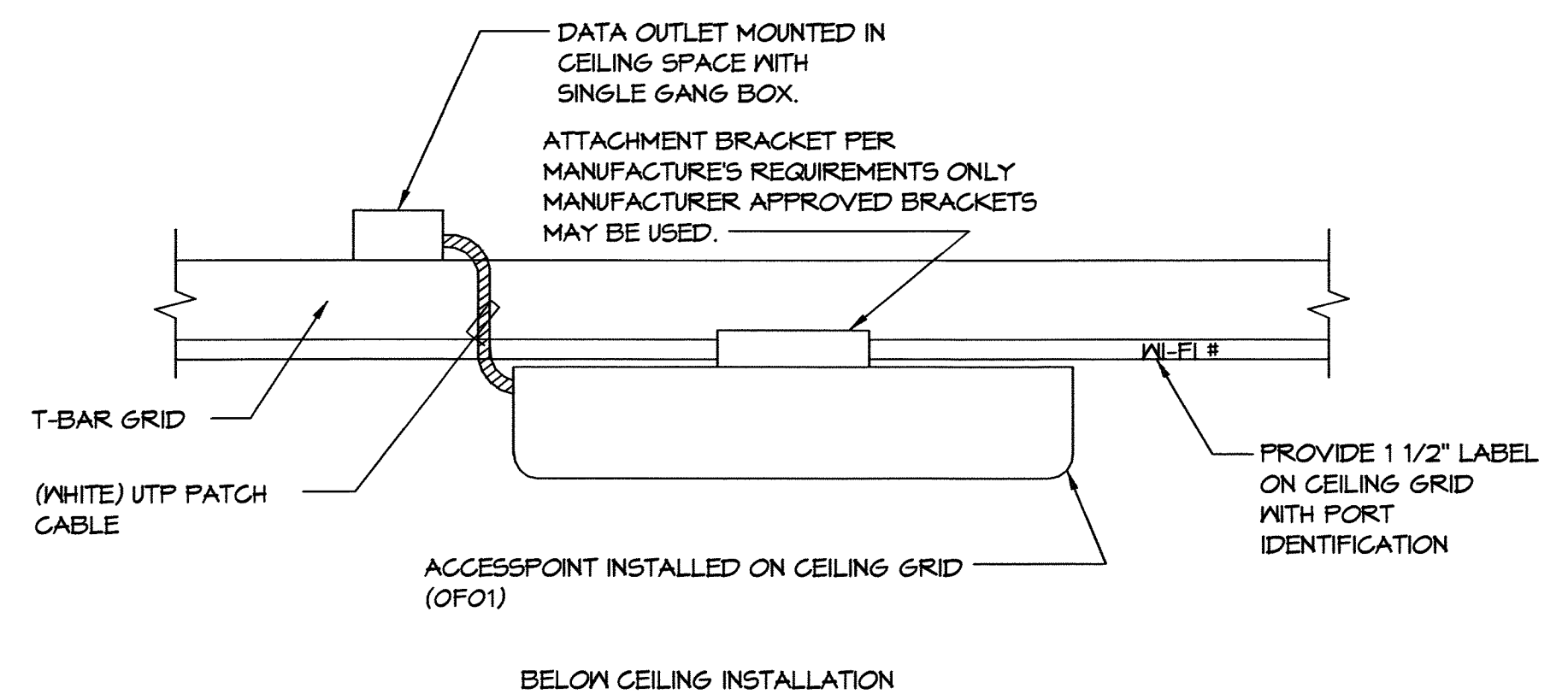
E-4.1

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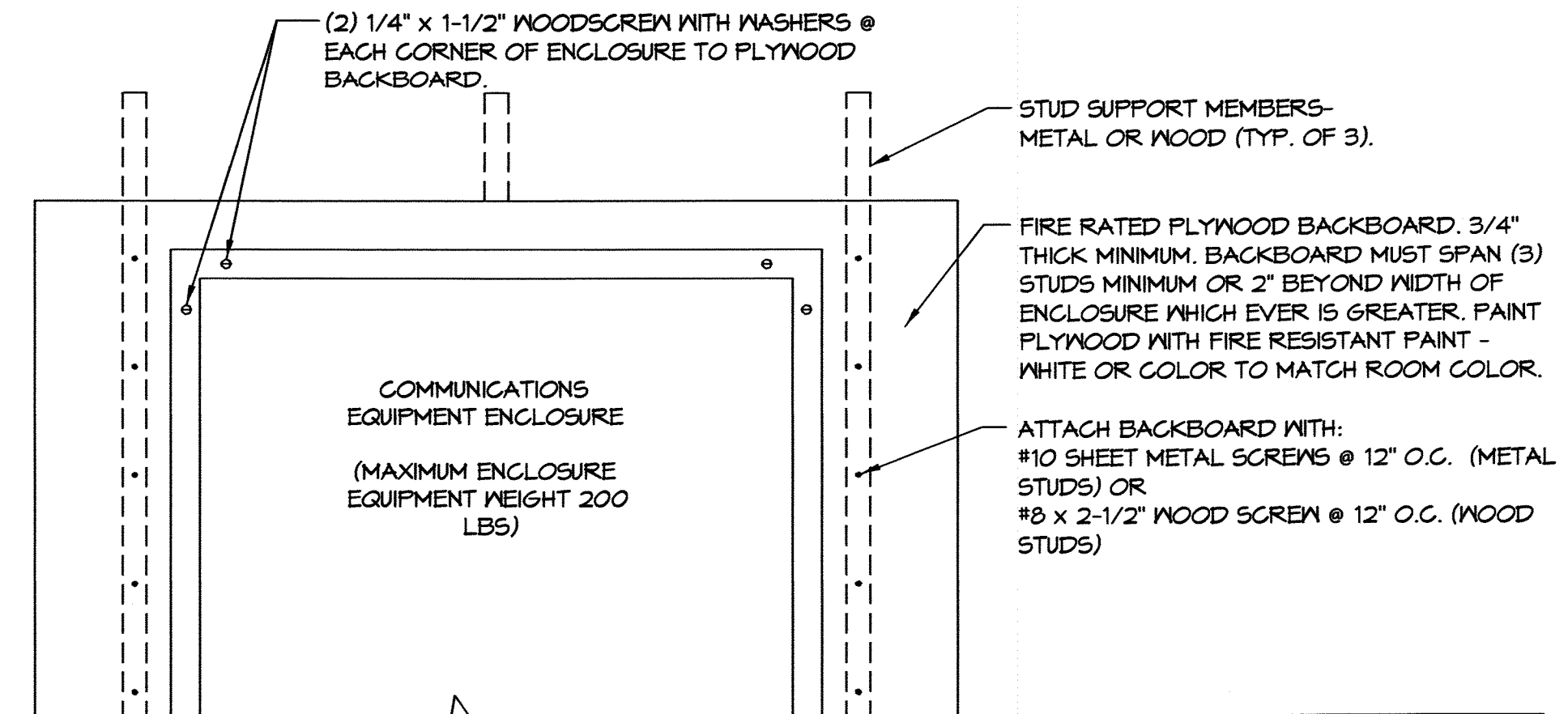
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WIRELESS ACCESS POINT ANTENNA MOUNTING DETAILS

NO SCALE

1
E-4.2

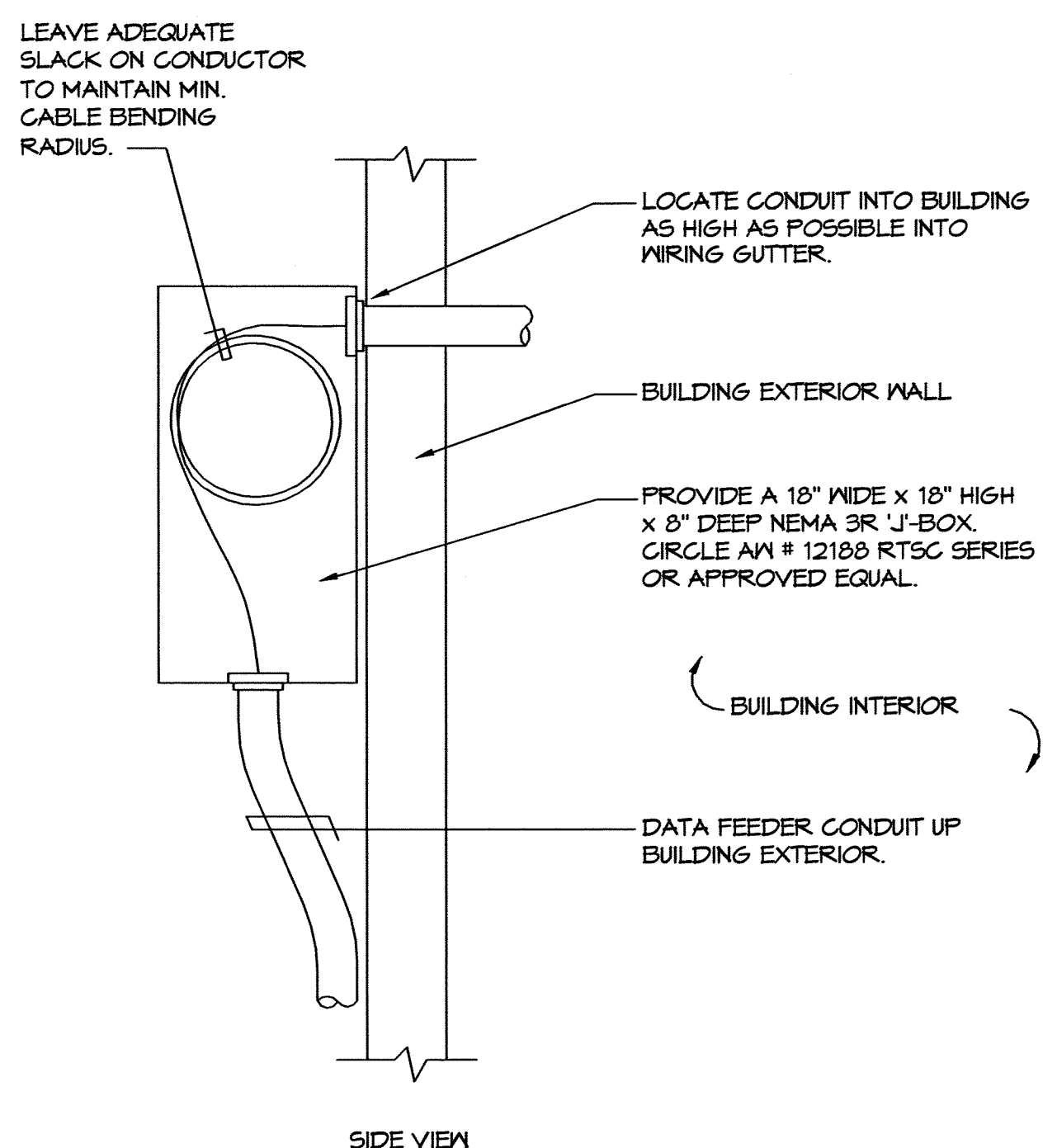


- NOTES:
1. REFERENCE EQUIPMENT RACK DETAILS FOR REQUIRED BACKBOARD HEIGHT.
 2. REFERENCE FLOOR PLANS FOR BACKBOARD WIDTH REQUIRED FOR COVERING LARGER WALL AREAS THAN FOR ISOLATED EQUIPMENT INSTALLATIONS.

TYPICAL BACKBOARD DETAIL

NO SCALE

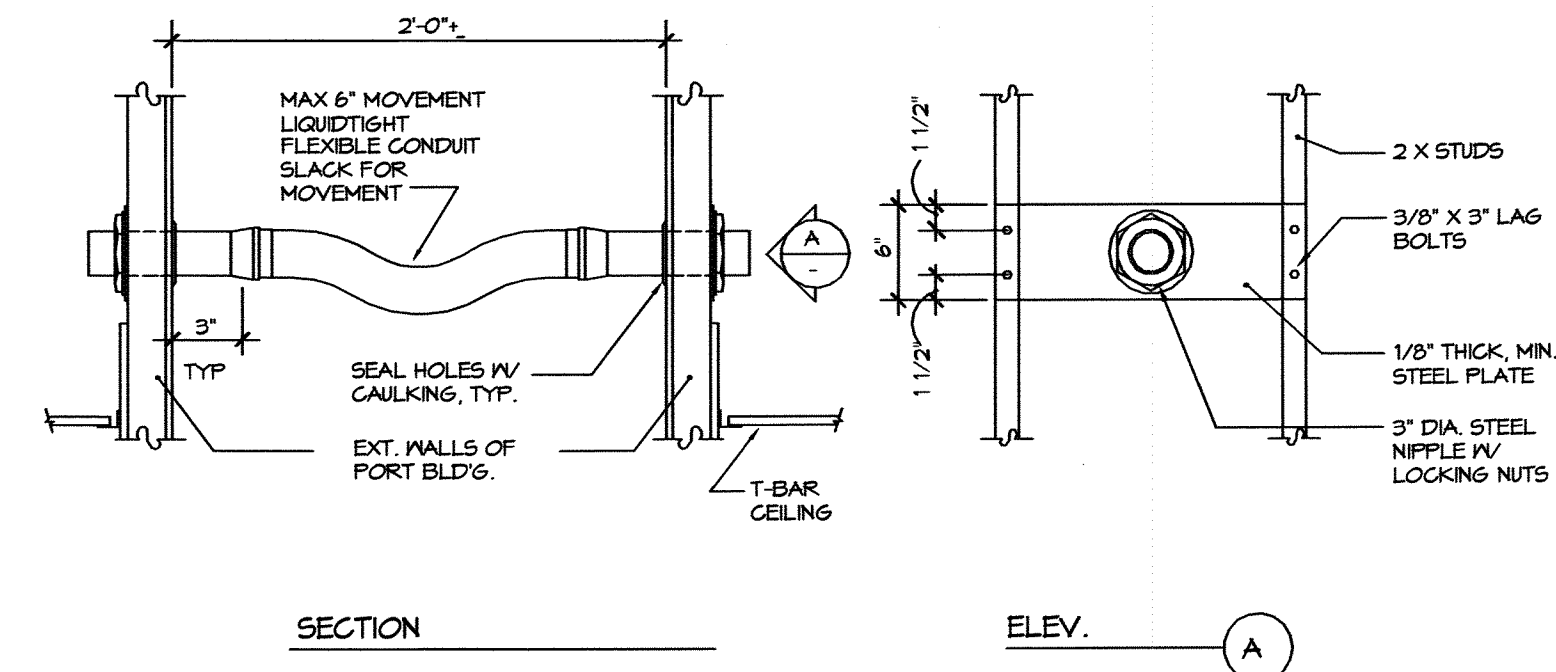
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E-4.2



DATA SYSTEM INSTALLATION DETAIL

NO SCALE

3
E-4.2



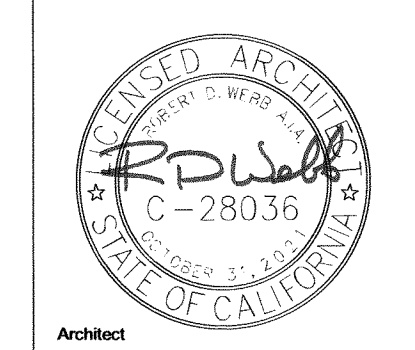
CONDUIT CONNECTIONS AT BUILDING SEPARATIONS

NO SCALE

4
E-4.2

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E-4.2

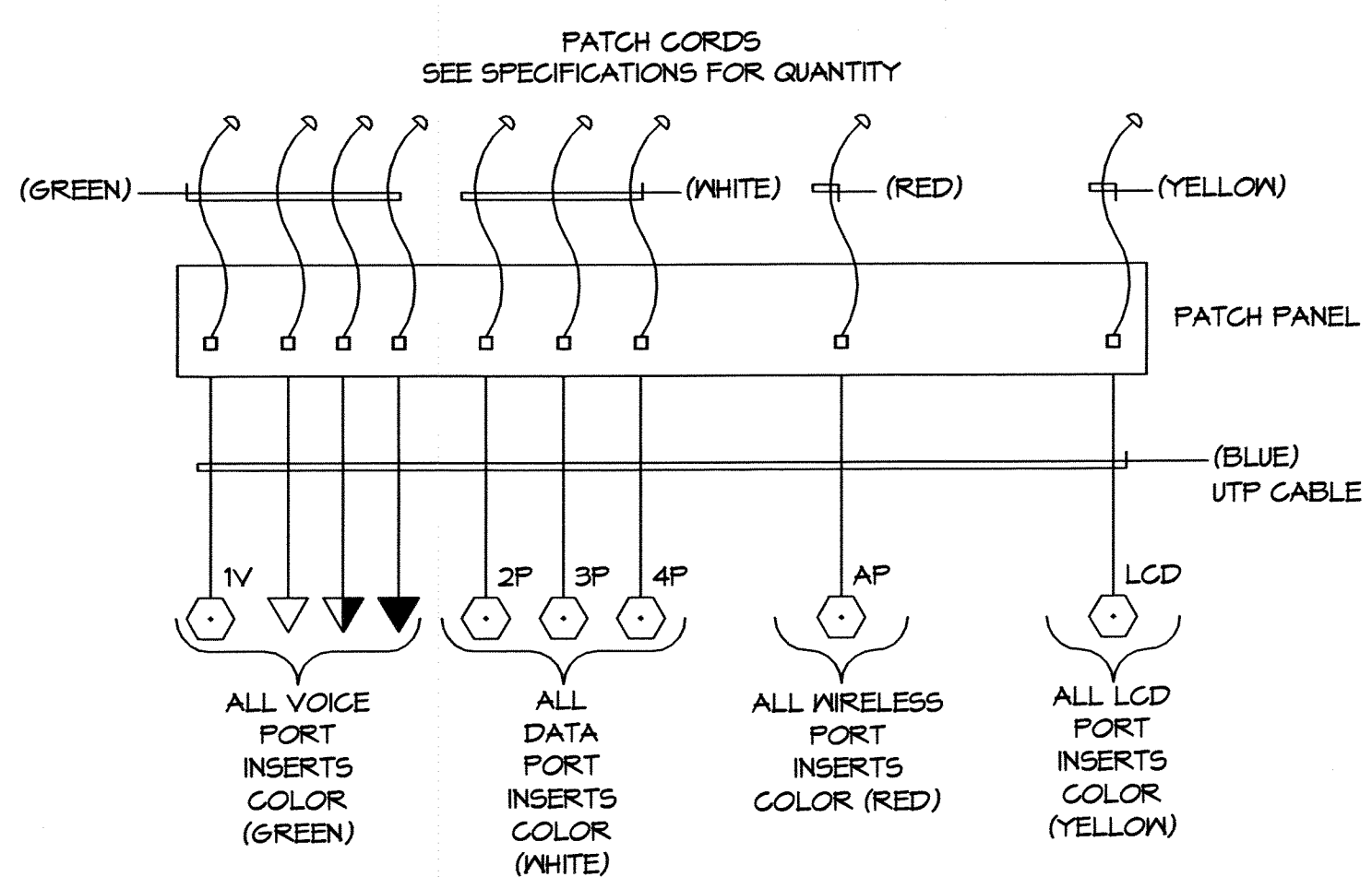
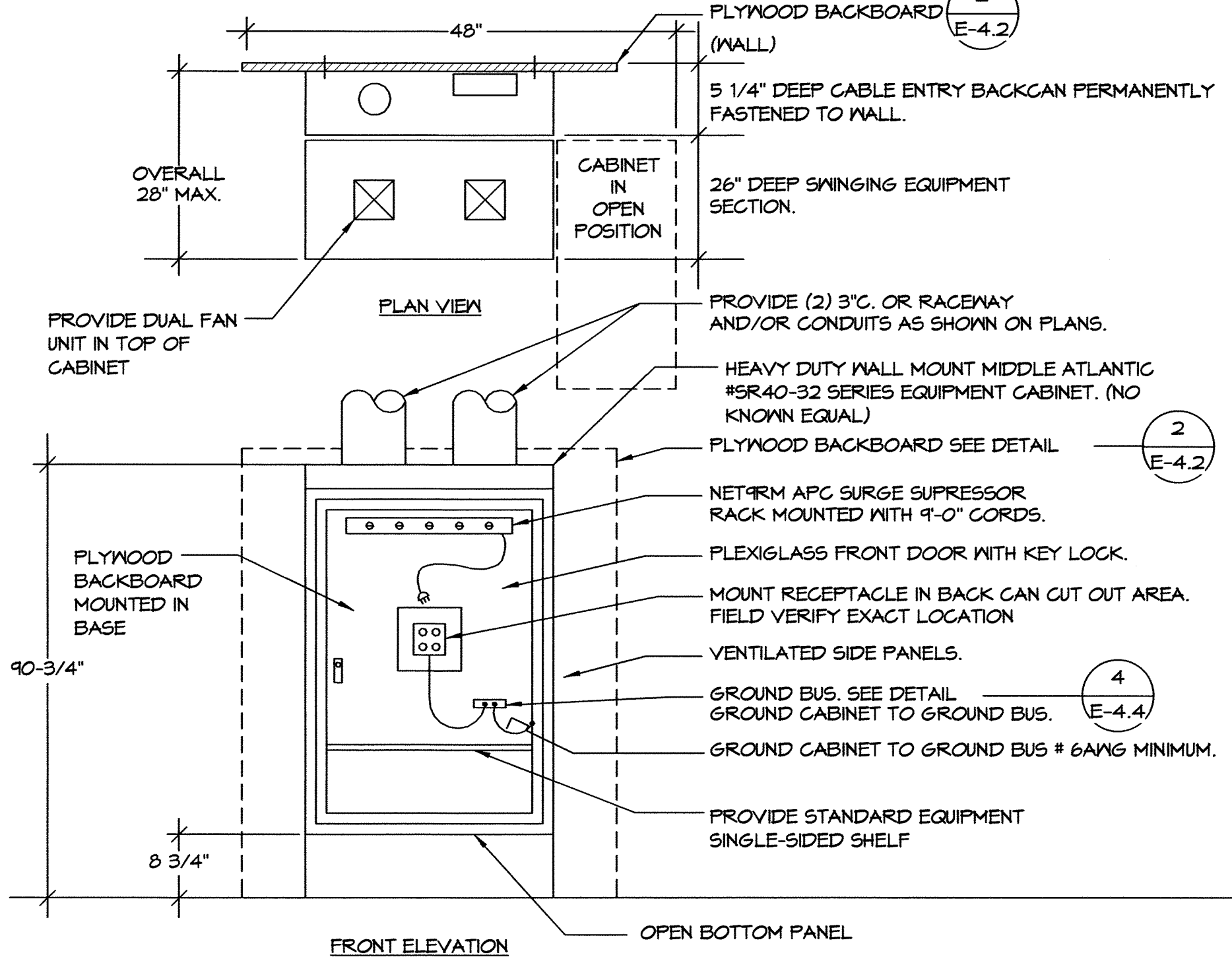
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GENERAL NOTE:

1. PROVIDE PLYWOOD BACKBOARD INSIDE BASE OF WALL MOUNT CABINET.



EQUIPMENT RACK DETAIL
NO SCALE

1
E-4.3

TYPICAL CABLE/INSERT COLOR SCHEME DETAIL
NO SCALE

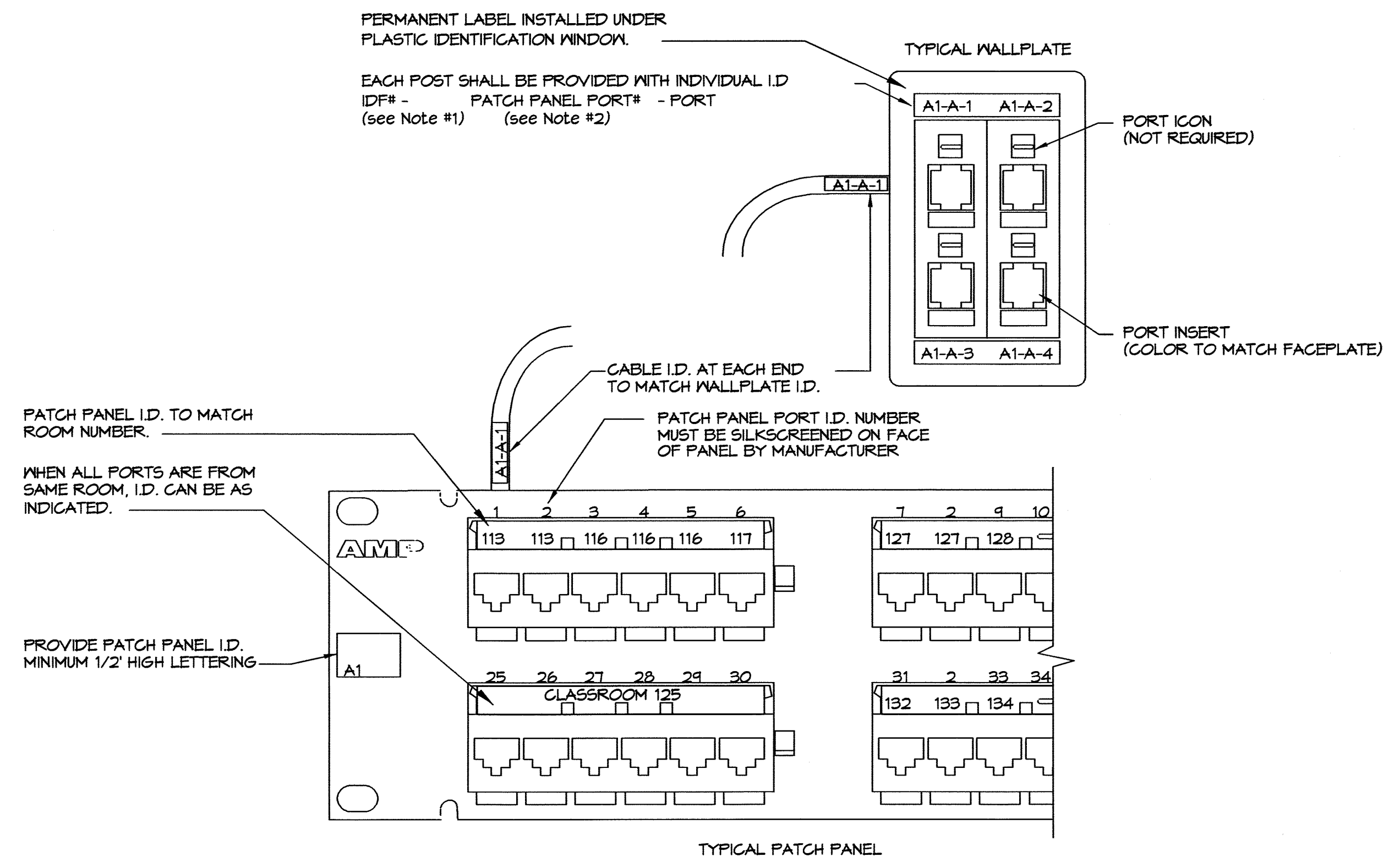
2
E-4.3

NOTE:

1. EACH IDF SHALL BE NUMBERED TO MATCH THE BUILDING NAME (IDF-A or IDF-100, FOR BUILDINGS WITH MULTIPLE IDFS (IDF-A1, A2 or IDF-100A, 100B))
2. NUMBER TO MATCH MANUFACTURER'S PREPRINTED NUMBERS 1-48 ON PATCH PANEL

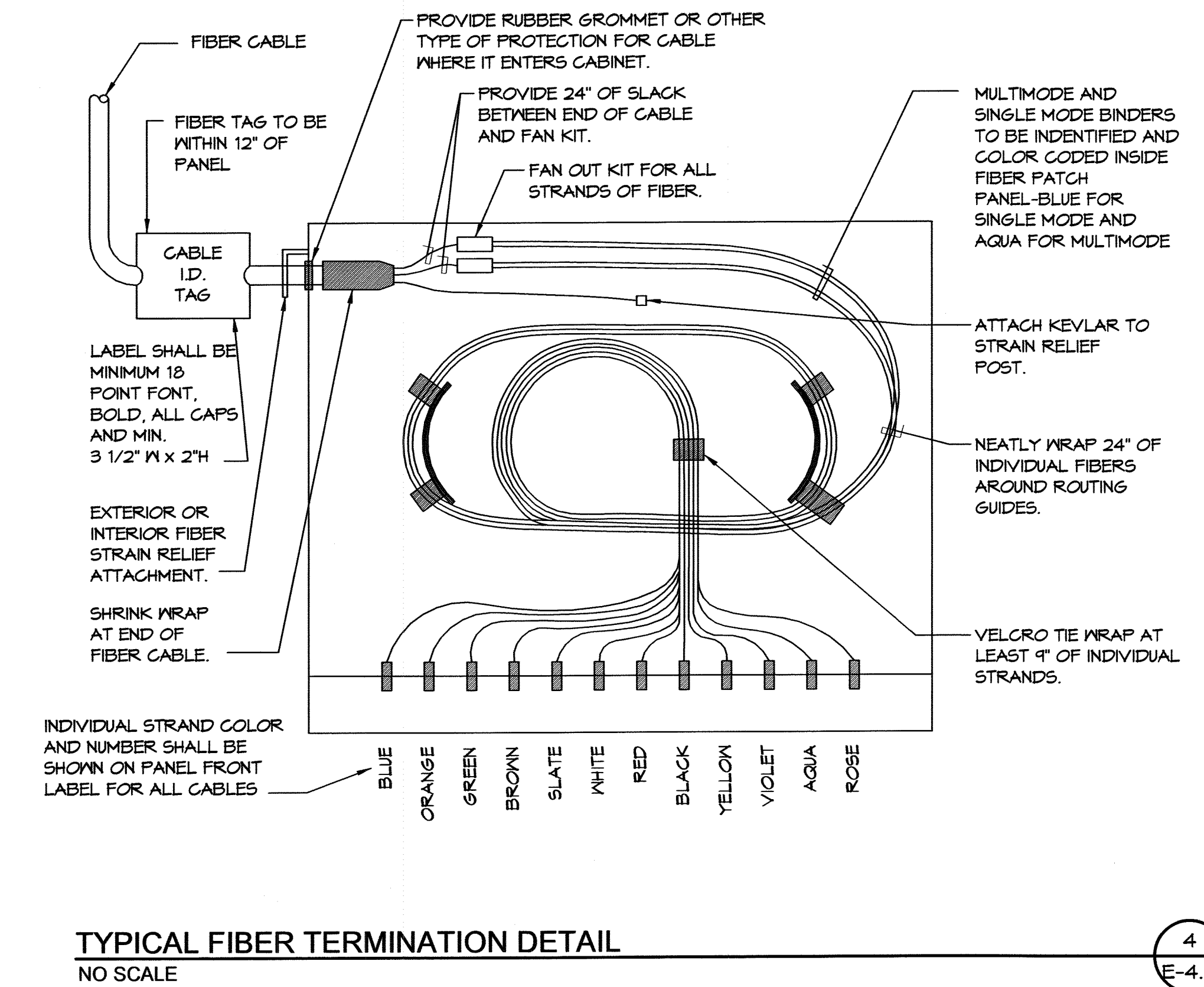
GENERAL NOTES:

1. ALL IDENTIFICATIONS SHALL BE MACHINE MADE, NO HAND WRITTEN LABELS, SEE SPECIFICATIONS. VERIFY IN WRITING ALL ROOM IDENTIFICATIONS WITH ARCHITECT PRIOR TO MAKING ANY LABELS.



TYPICAL DATA NETWORKING LABELING REQUIREMENT
NO SCALE

3
E-4.3



TYPICAL FIBER TERMINATION DETAIL
NO SCALE

4
E-4.3

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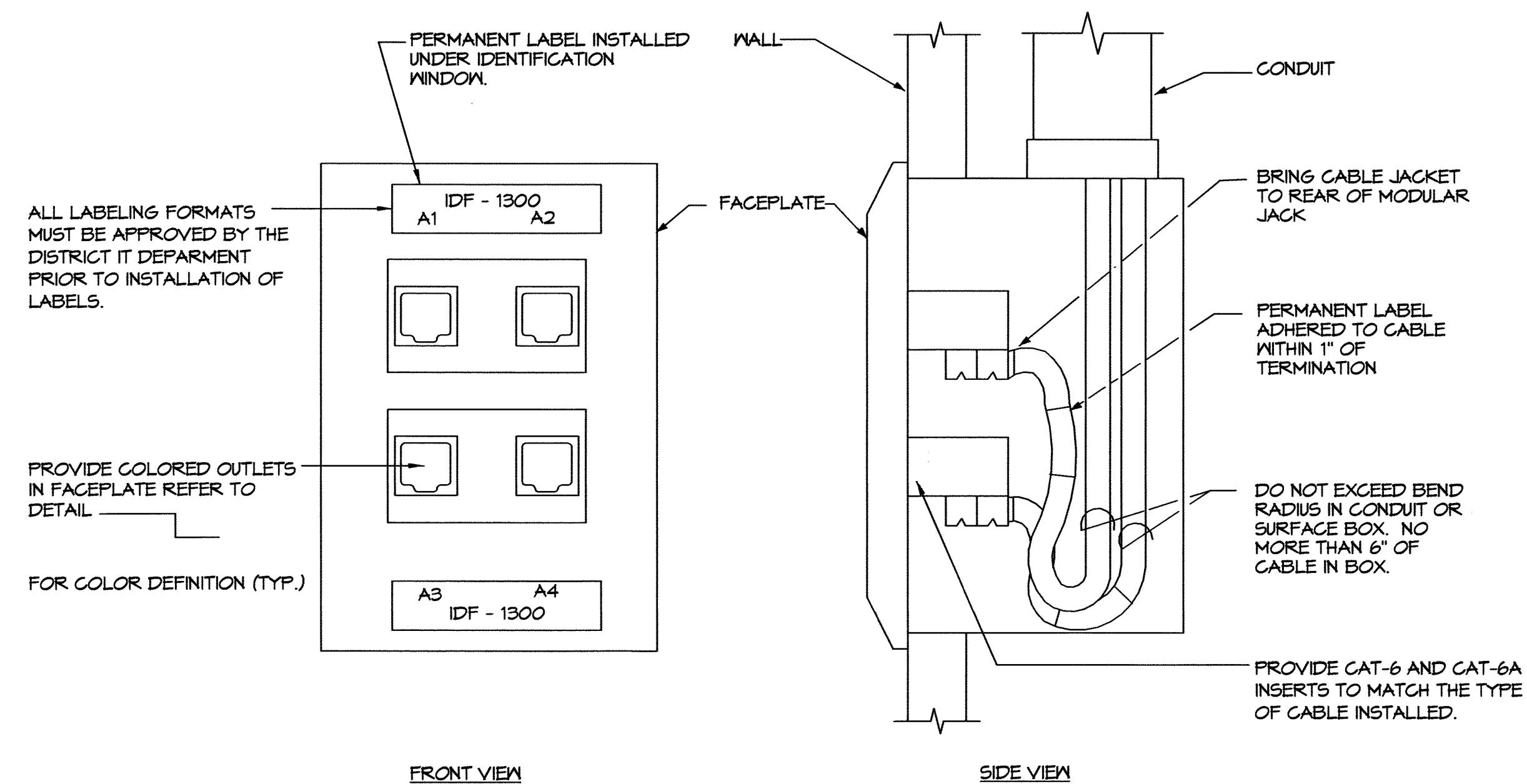
E-4.3

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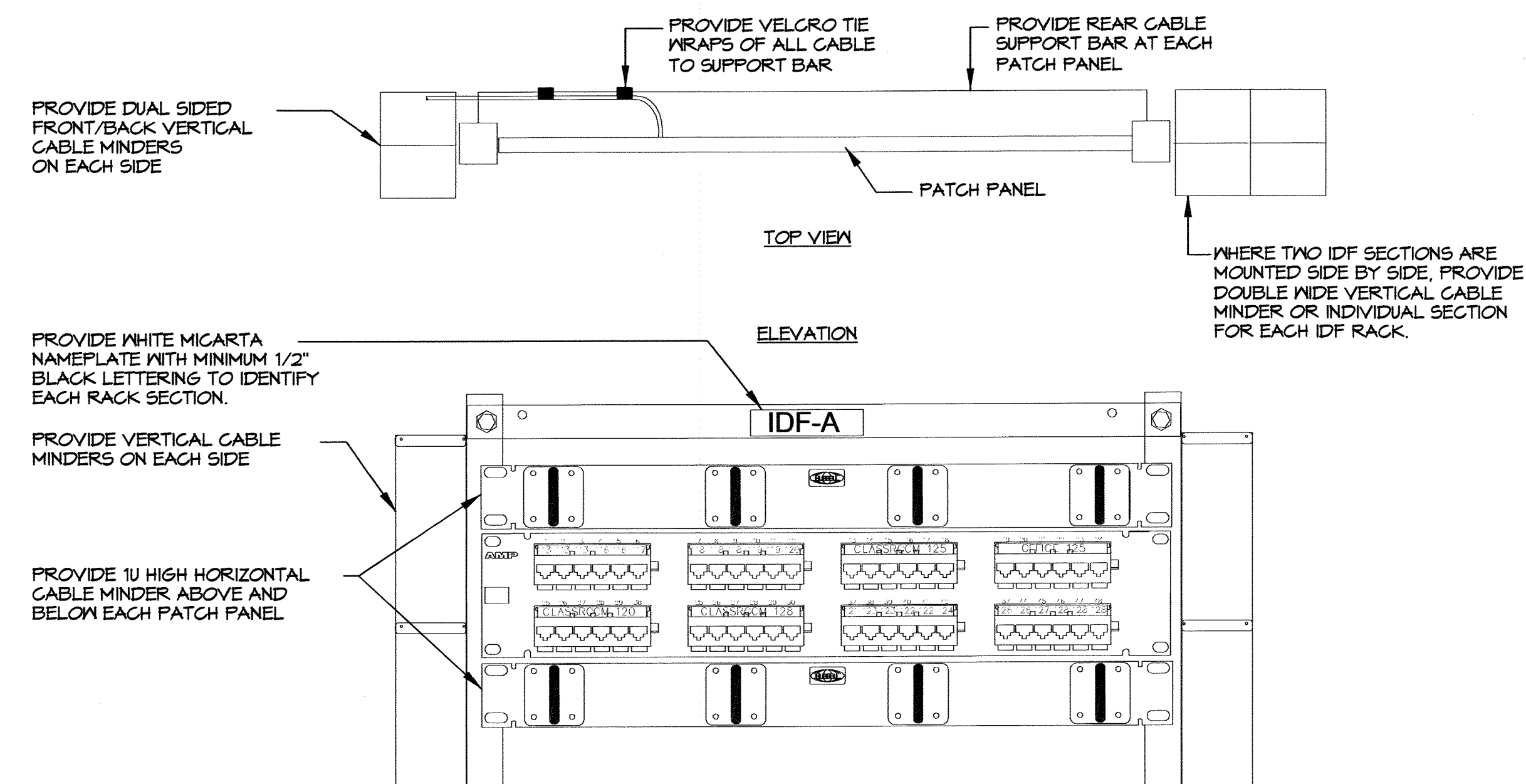
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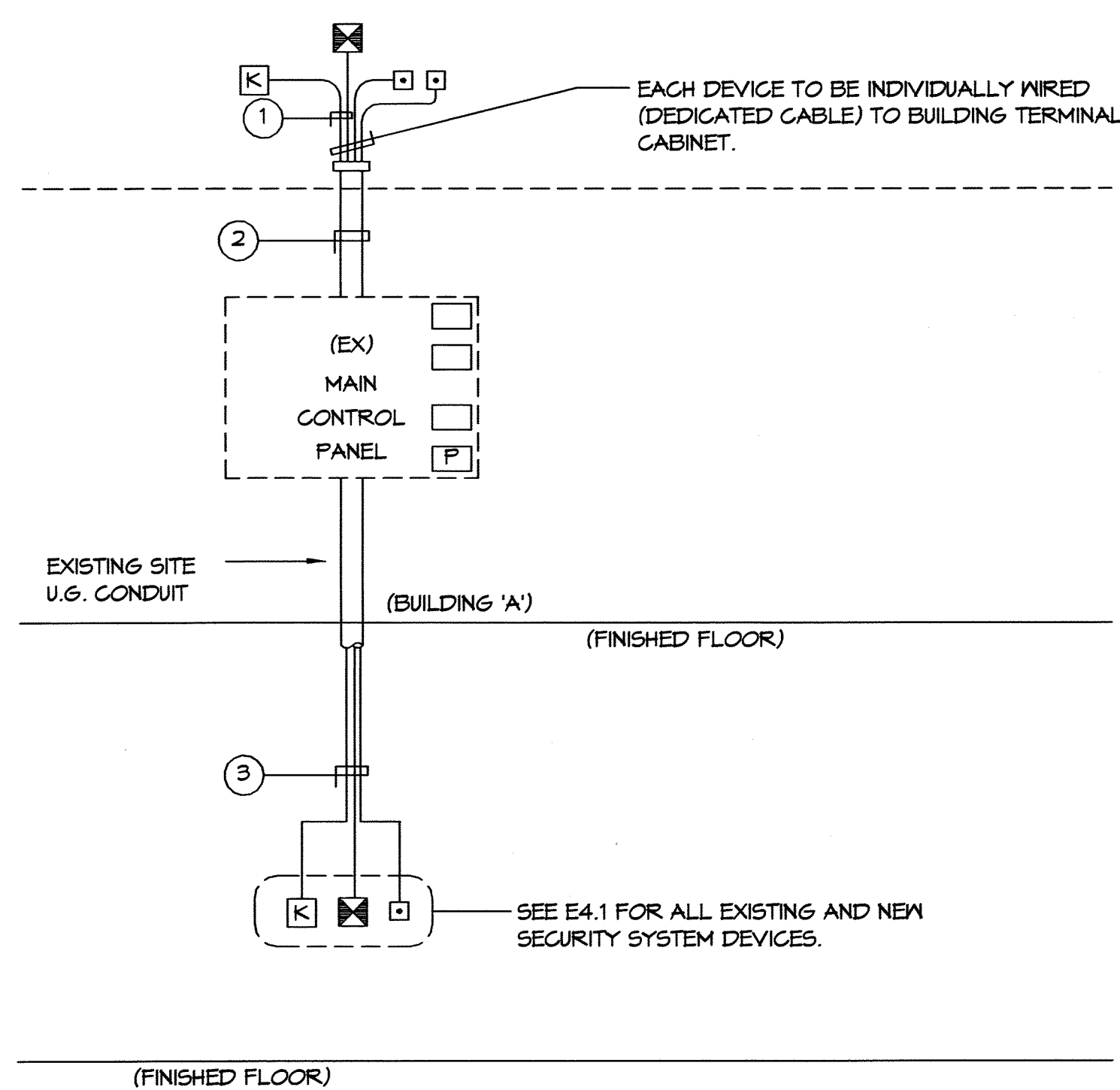
TYPICAL FACEPLATE LABELING DETAIL
NO SCALE

1
E-4.4



TYPICAL IDF/MDF LABELING AND CABLE SUPPOT DETAIL
NO SCALE

2
E-4.4

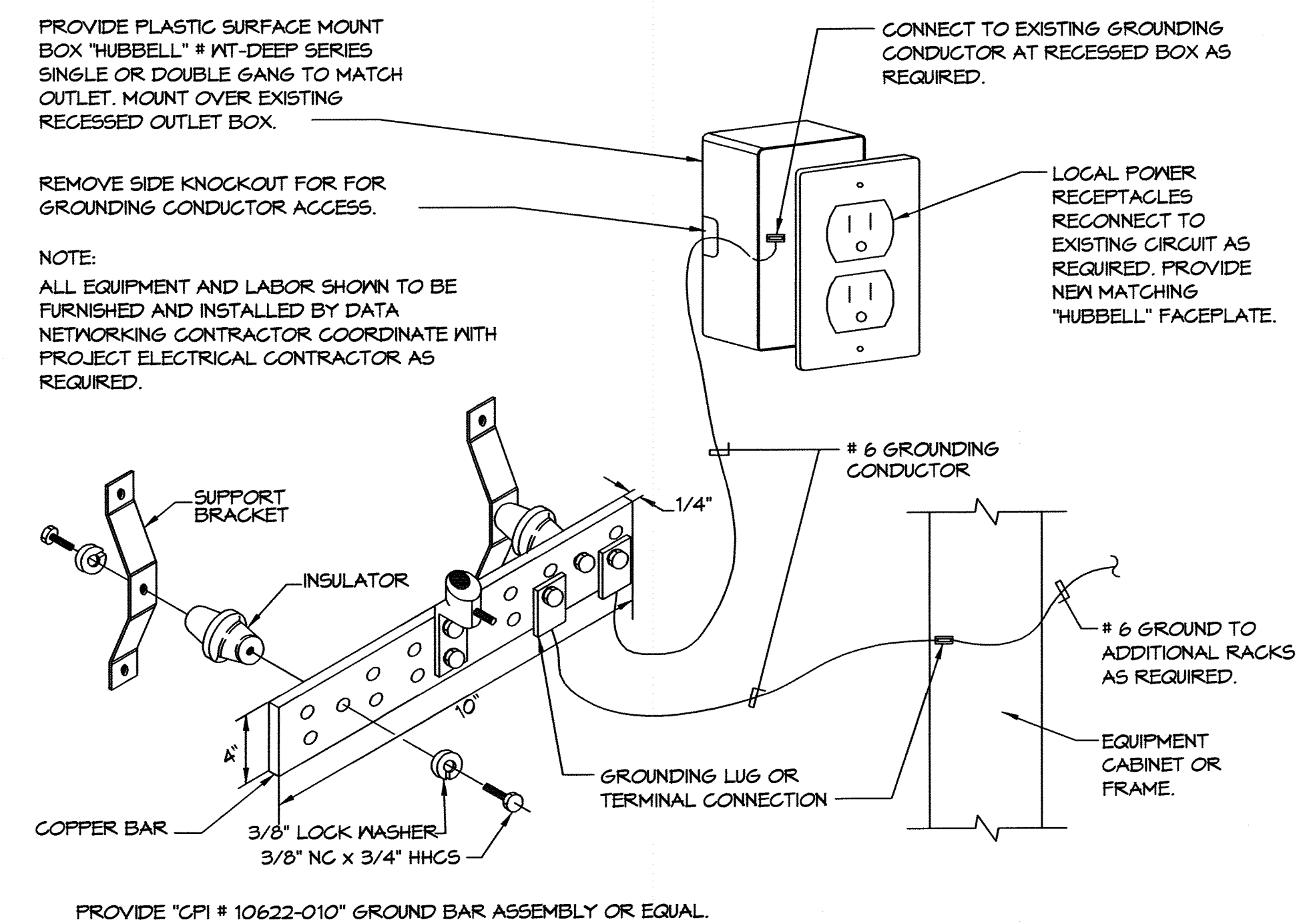


- GENERAL NOTES:
1. ALL CONDUITS, POWER OUTLETS AND GROUNDING CONNECTIONS, BACKBOARDS AND REMOTE BUILDING COMMUNICATIONS CABINETS TO BE PROVIDED BY ELECTRICAL CONTRACTOR.
 2. REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS, AND FLOOR PLANS FOR ADDITIONAL EQUIPMENT ITEMS REQUIRED, AND THEIR LOCATIONS.
 3. WHERE OPEN CONDUCTORS ARE INSTALLED ABOVE ACCESSIBLE CEILINGS, ALL CONDUCTORS SHALL BE NEATLY BUNDLED TOGETHER AND SUPPORTED FROM ROOF STRUCTURE. WHERE BUNDLED WITH OTHER COMMUNICATION SYSTEMS, IDENTIFYING TAGS SHALL BE PROVIDED TO IDENTIFY THESE CONDUCTORS FROM OTHER SYSTEMS.
 4. PROVIDE ID LABEL ON EACH END OF EACH CABLE.

- KEY NOTES:
1. WIRING AS REQUIRED BY MANUFACTURER.
 2. PROVIDE MINIMUM (1) 2" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE. PROVIDE PLASTIC BUSHINGS AT EACH END.
 3. PROVIDE DEDICATED OUTDOOR RATED SECURITY CABLING FROM EACH DEVICE BACK TO MAIN SECURITY PANEL.

TYPICAL SECURITY SYSTEM DIAGRAM
NO SCALE

3
E-4.4



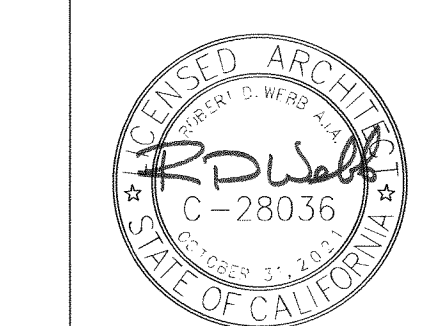
DATA/COMMUNICATIONS GROUNDING DETAIL
NO SCALE

4
E-4.4

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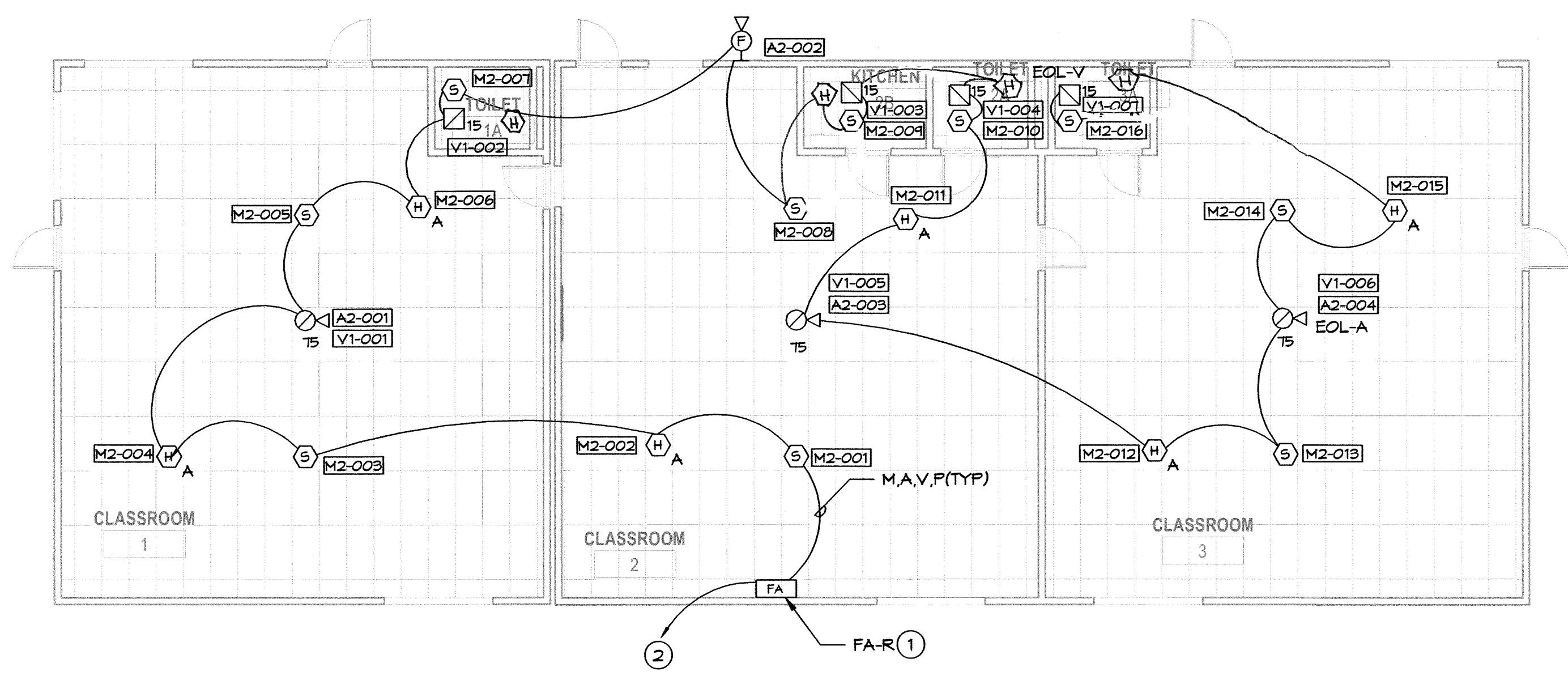
FIRE ALARM NOTE:
THIS FIRE ALARM DESIGN IS A COMPLETE PLAN SUBMITTAL IN ACCORDANCE WITH 2016 CBC 907.1.

FULLY AUTOMATIC FIRE ALARM DESIGN:
THIS PROJECT IS DESIGNED TO COMPLY WITH ALL REQUIREMENTS FOR A FULLY PROTECTED AUTOMATIC FIRE ALARM SYSTEM.

EXPANSION OF EXISTING SYSTEM:
THIS PROJECT ADDS TO AND OR MODIFIES AN EXISTING SYSTEM, PREVIOUSLY APPROVED BY DSA. ALL NEW COMPONENTS ARE COMPATIBLE WITH THE EXISTING SYSTEM EQUIPMENT.

- GENERAL NOTES:**
1. REFERENCE ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATION OF ALL WALL MOUNTED DEVICES.
 2. REFERENCE E5 AND E6 SERIES SHEETS FOR TYPICAL CONDUIT AND BACKBOX INSTALLATION DETAILS.
 3. REFERENCE RISER DIAGRAMS FOR TYPICAL CONDUIT SIZES AND INITIATION ZONE CIRCUIT IDENTIFICATIONS.
 4. REFERENCE MECHANICAL PLANS FOR EXACT LOCATION OF ALL DUCT DETECTORS AND SMOKE DAMPER LOCATIONS.
 5. UNLESS OTHERWISE NOTED SOLID LINES BETWEEN DEVICES SHALL BE 1" E.M.T. ROUTED CONCEALED ABOVE CEILINGS OR IN WALLS. DASHED LINES INDICATE 1 1/4" P.V.C. UNDERGROUND CONDUIT. ALL WIRING TO BE PROVIDED PER MANUFACTURER SHOP DRAWINGS.
 6. CONTRACTOR SHALL PROVIDE CEILING ACCESS PANEL AT ALL NON-LAYIN TYPE CEILINGS, WHERE HEAT DETECTOR ABOVE CEILING IS INDICATED.
 7. PROVIDE WIRE PROTECTIVE GUARD OVER ALL FIRE ALARM DEVICES LOCATED IN THE FOLLOWING AREAS: GYMNASIUM, LOCKER ROOMS, SHOP AREAS, AND ANY OTHER AREA WHERE DEVICES MAY BE SUBJECT TO CONTACT.

- KEY NOTES:**
- 1 PROVIDE DEDICATED 120 VOLT CIRCUIT TO PANEL CONNECT TO "LOCK ON BREAKER". REFER TO POWER E3 SERIES SHEETS FOR CIRCUIT INFORMATION.
 - 2 PROVIDE CONNECTION TO (EX) "FACP", REFER TO SITE PLAN SHEET E1.1.



- FIRE ALARM SYMBOLS LEGEND:**
- VI 15 WALL MOUNTED SPEAKER/STROBE MOUNTED +80"-96" A.F.F. OR 6' BELOW CEILING TO BOTTOM OF DEVICE WHICHEVER IS LOWER. ENTIRE LENS MUST BE WITHIN THE +80"-96" DIMENSION.
(15 = STROBE CANDELA RATING)
(AI = AUDIO SIGNAL CIRCUIT IDENTIFICATION)
(VI = VISUAL SIGNAL CIRCUIT IDENTIFICATION)
TAP AT 1/4 MATT (U.O.N.)
 - VI 15 CEILING MOUNTED FLASHING LIGHT STROBE
(15 = STROBE CANDELA RATING)
(VI = VISUAL SIGNAL CIRCUIT IDENTIFICATION)
 - VI 15 CEILING MOUNTED COMBINATION HORN/STROBE
(15 = STROBE CANDELA RATING)
(AI = AUDIO SIGNAL CIRCUIT IDENTIFICATION)
(VI = VISUAL SIGNAL CIRCUIT IDENTIFICATION)
TAP AT 1/4 MATT (U.O.N.)
 - AI WALL MOUNTED WEATHERPROOF EXTERIOR SPEAKER MOUNTED +40" A.F.F. TO BOTTOM OF DEVICE (AI = AUDIO SIGNAL CIRCUIT IDENTIFICATION) SEE TYPICAL DETAIL
 - S CEILING MOUNTED SMOKE DETECTOR
 - CS CEILING MOUNTED CO/SMOKE DETECTOR
 - HA HEAT DETECTOR MOUNTED ABOVE CEILING (SEE GENERAL NOTE #6)
 - FACP MAIN FIRE ALARM CONTROL PANEL
 - DSM DUAL SYNC MODULE (SEE RISER DIAGRAM FOR LOCATION)
 - R ADDRESSABLE RELAY MODULE
 - M ADDRESSABLE MONITOR MODULE
 - EOL-V END OF LINE RESISTOR AUDIO
 - EOL-V END OF LINE RESISTOR VISUAL

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ACS 3-FLS H2 SS
DATE MAR 12 2020

Rev. # Description Date
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515 Encinitas Blvd., Ste. 201, Encinitas, California 92024
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SYCAMORE CANYON SCHOOL
3-CLASSROOM ADDITION
SANTEE SCHOOL DISTRICT

LEVEL 1 FLOOR
PLAN - FIRE ALARM

Drawn:
Author
Checked:
Checker
Date:

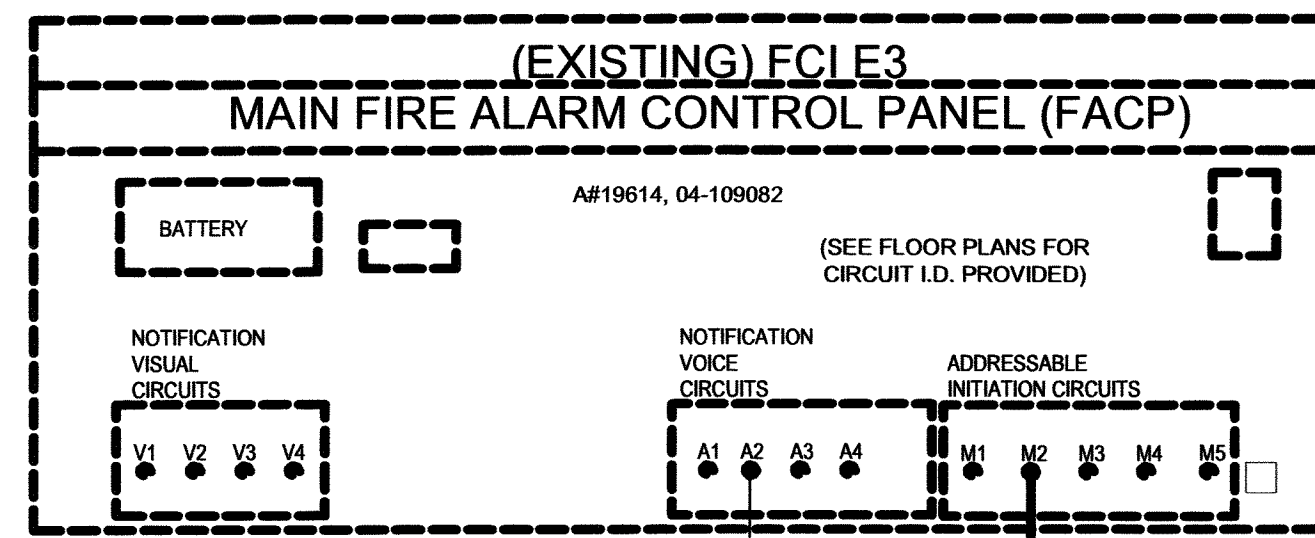
Job:
SSD-SC-03

E-5.1

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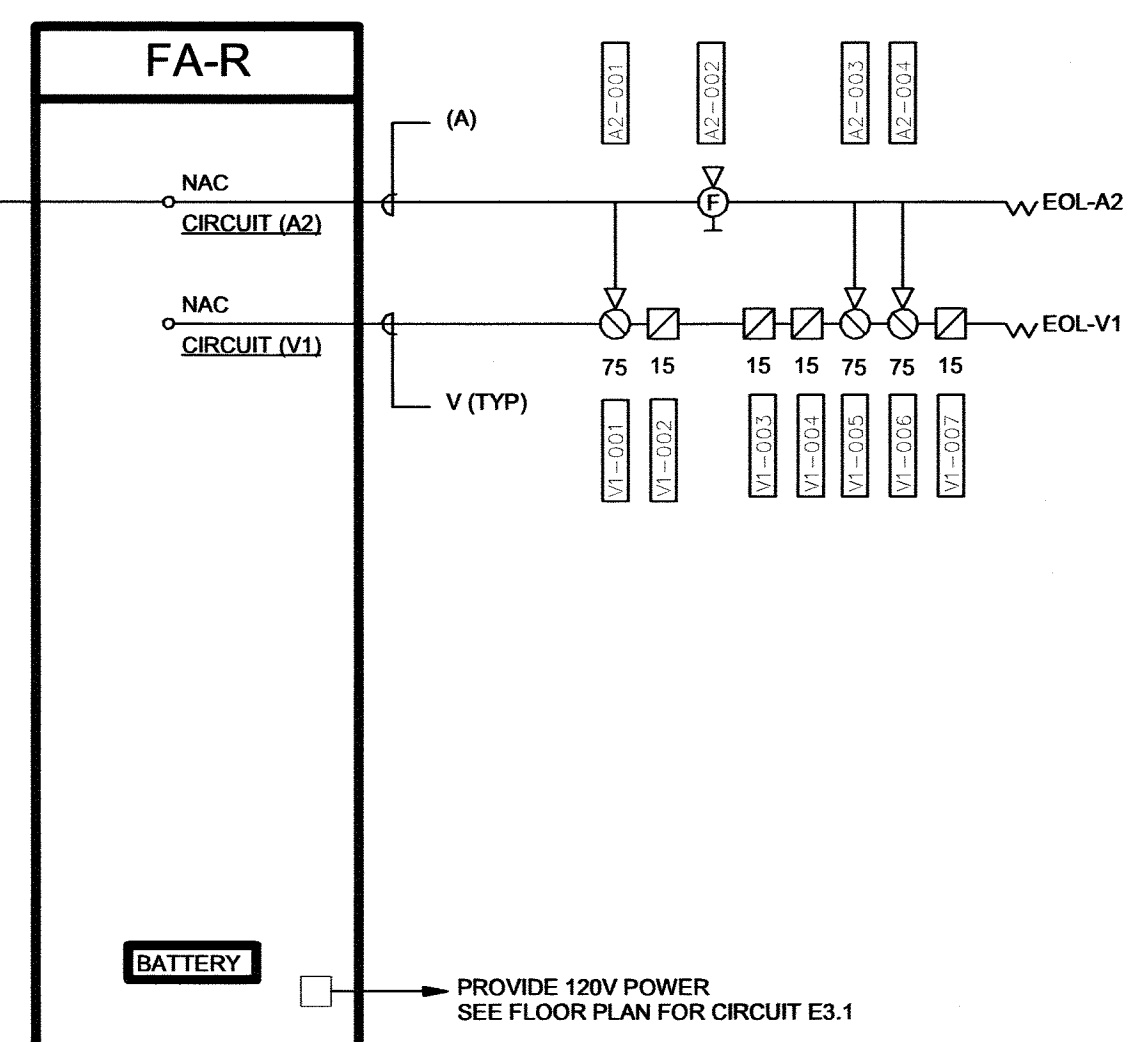
REG. PROFESSIONAL ENGINEER
NO. E 14781
Exp. 6-30-2021
ELECTRICAL
STATE OF CALIFORNIA

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GENERAL NOTES:

- ALL WIRING INDICATED IS FOR GENERAL REFERENCE ONLY. CONTRACTOR SHALL PROVIDE ALL WIRING AND COMPONENTS NEEDED TO PROVIDE A COMPLETE OPERATIONAL SYSTEM.
- REFERENCE FLOOR PLANS FOR EXACT QUANTITY, TYPE, AND LOCATION OF ALL DEVICES.
- PROVIDE ALL SOFTWARE AND PROGRAMMING FOR A COMPLETE SYSTEM.



FIRE ALARM RISER
NO SCALE

1
E-5.2

SYM	MODEL NO.	DESCRIPTION	C.S.F.M. LISTING	MFG.
[FA]	GFPS-6	FIRE ALARM POWER SUPPLY	7300-1703-0167	GAMEWELL FCI
[DSM]	SERIES DMS	SYNC MODULE	7300-0785-0132	COOPER WHEELLOCK
		BATTERIES		
[S]	ASD-PL2F	INTELLIGENT SMOKE DETECTOR	7272-1703-0121	GAMEWELL FCI
[H]	B210LP	SENSOR BASE	7300-1653-0109	SYSTEM SENSOR
[H]	ATD-RL2F	INTELLIGENT HEAT DETECTOR	7270-1703-0115	GAMEWELL FCI
[H]	B210LP	SENSOR BASE	7300-1653-0109	SYSTEM SENSOR
[H]	ATD-HL2F	INTELLIGENT HEAT DETECTOR (ABOVE CEILING)	7270-1703-0115	GAMEWELL FCI
	B501	SENSOR BASE	7300-1653-0109	COOPER WHEELLOCK
[H]	ET1010	EXTERIOR SPEAKER WWBB BACKBOX	7320-0785-0105	COOPER WHEELLOCK
[S]	LSTC	STROBE (15/30/75/110) cd (CEIL MNT)	7125-0785-0180	COOPER WHEELLOCK
[S]	LSPSTC	SPEAKER/STROBE - CEILING	7125-0785-0178	COOPER WHEELLOCK
[M]	AMM-2F	ADDRESSABLE MONITOR MODULE	7300-1703-0102	GAMEWELL FCI
[R]	AOM-2RF	ADDRESSABLE RELAY MODULE	7300-1703-0102	GAMEWELL FCI
[R]	RIC-1	120 VOLT RELAY MODULE	7300-1004-0101	SAE INC
[R]	TYPE FPL	SIGNAL LINE CIRCUIT CONDUCTORS (M)	7161-2067-0100	WEST PENN
[R]	TYPE THHN	AUDIO VISUAL AND POWER CONDUCTORS (AVP)	N/A	SOUTHWIRE

* IF OTHER MANUFACTURER IS USED IT IS TO BE UL AND CSFM LISTED.

DES	CONDUCTOR TYPE	WIRE COLOR	CIRCUIT TYPE
M	(1) 1 PR #14 TWISTED SHIELDED	RED/BLACK/SHIELD	SIGNAL LINE CIRCUIT
A	(2) #12 THHN (UON ON CALCS)	BLUE/WHITE	NOTIFICATION APP. CIRCUIT (NAC)
V	(2) #12 THHN (UON ON CALCS)	GREEN/BLUE	NOTIFICATION APP. CIRCUIT (NAC)
P	(2) #12 THHN	RED/BLACK	POWER

ANNUNCIATOR ZONE SCHEDULE				
	ROOM SMOKE OR HEAT DETECTORS	ABOVE CEILING HEAT DETECTORS	SPRINKLER SYSTEM	TROUBLE INDICATION
RELOS	YES	YES	N/A	YES

NOTES:

- ALL SMOKE, CO DETECTORS, HEAT DETECTORS ABOVE CEILING DETECTORS, DUCT DETECTORS MANUAL PULL STATIONS, FLOW SWITCHES, TAMPER SWITCHES SHALL BE INDIVIDUALLY ADDRESSABLE.

FIRE ALARM MONITORING NOTE:

- AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY CFC SECTION 907. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UFX 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.

FIRE ALARM GENERAL REQUIREMENTS:

- THE COMPLETE INSTALLATION SHALL BE REVIEWED AND APPROVED BY THE ABOVE LOCAL MANUFACTURERS REPRESENTATIVE. SEE SPECIFICATIONS (28 30 00), FOR ADDITIONAL CONTRACTOR QUALIFICATIONS AND REQUIREMENTS.
- UNLESS OTHERWISE NOTED SOLID LINES BETWEEN DEVICES SHALL BE 1" E.M.T. ROUTED CONCEALED ABOVE CEILINGS OR IN WALLS. DASHED LINES INDICATE 3/4" P.V.C. UNDERGROUND CONDUIT. ALL WIRING TYPES AND QUANTITIES SHOWN ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL PROVIDE ALL WIRING AS REQUIRED TO MAKE A FULLY OPERATIONAL SYSTEM. SHOP DRAWINGS AND OR AS-BUILT DOCUMENTS SHALL INDICATE ALL WIRING PROVIDED.
- THE AUDIBILITY OF FIRE ALARM WARNING DEVICES SHALL BE AUDIBLE THROUGH THE OCCUPANCY WITH A MINIMAL SOUND LEVEL 15 db'S OVER THE AMBIENT NOISE LEVEL. ADD ADDITIONAL DEVICES AS REQUIRED.
- UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A REACCEPTANCE TEST OF THE ENTIRE SYSTEM SHALL BE PERFORMED IN THE PRESENCE OF THE ENFORCING AGENCY AND IN ACCORDANCE WITH SPECIFICATIONS (28 30 00). THE CONTRACTOR SHALL FURNISH db METERS AND ALL OTHER EQUIPMENT TO PERFORM THESE TESTS.
- ALL CONDUIT PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL PREVENT THE PASSAGE OF HEAT, SMOKE AND FIRE GASES. ALL PENETRATIONS SHALL COMPLY WITH U.L. ASSEMBLY WL-1001. REFER TO THROUGH-PENETRATION FIRESTOP DETAIL ON THE DETAIL SHEET.
- ALL OPERATING HARDWARE AT INITIATING DEVICES SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST, AND THE FORCE REQUIRED TO OPERATE SHALL BE LESS THAN 5 POUNDS.
- FIRE ALARM AUDIO DEVICES SHALL OPERATE AT EITHER 25 OR 70 VENTS AND PROVIDE TAP SETTING FROM 1/8 TO 2 WATTS AND PROVIDE EFFICIENT DESIGN FOR HIGH INTELIGIBILITY AT A MINIMUM WATAGE ACROSS A FREQUENCY RANGE OF 300 TO 3000 HZ.

MAXIMUM NUMBER OF CONDUCTORS IN TRADE SIZES OF CONDUIT OR TUBING MINIMUM CONDUIT SIZE FOR THIS PROJECT IS 3/4"											
CONDUIT TRADE SIZE (INCHES)	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5
TYPE LETTERS											
THWN	14	13	24	39	69	94	154	164			
	12	10	18	29	51	70	114				
THHN	10	9	17	27	44	57	94	104	160	106	136
	8	5	5	9	16	22	36	51	79		

FIRE ALARM SEQUENCE OF OPERATION						
ACTION	DEVICE	MANUAL PULL STATION	AREA/DUCT SMOKE/HEAT DETECTOR	AC POWER FAILURE	SPRINKLER ACTIVATION TAMPER SW.	SPRINKLER ACTIVATION FLOW SW.
SOUND ALARM TROUGHOUT BLDG.		YES	YES	NO	N/A	YES
ACTIVATE RELAY FOR MONITORING		YES	YES	YES	N/A	YES
ANNUNCIATE AT PANEL AND ANNUNCIATOR		YES	YES	YES	N/A	YES
SOUND TROUBLE BUZZER		ON WIRING FAULT	ON WIRING FAULT	YES	N/A	ON WIRING FAULT
SOUND SPRINKLER BELL		NO	NO	NO	N/A	YES
REPORT TO MONITORING STATION		YES	YES	YES	YES	YES
INITIATE SHUTDOWN OF HVAC UNITS		YES	YES	NO	N/A	YES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

04 119164
ACS 27 FLS 16 SS
DATE MAR 17 2021

Rev. #	Description	Date

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Professional Engineer Seal for R. D. White, State of California, License No. C-28036, Exp. 6-30-2021.

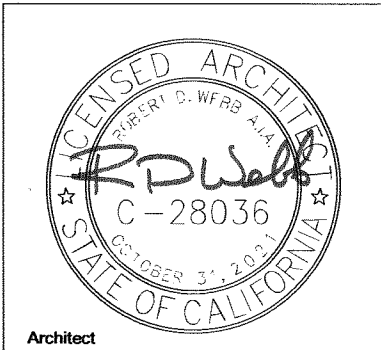
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(FA-R)			
Remote Extender Panel			
Supplementary Notification Appliance Circuit Battery Calculations			
Standby Amperage			
Type of Device Or Equipment	Qty	Current	Total
Exteior Speaker @ 2 watt tap	1	0.000	0.000
Dual Sync Module	0	0.000	0.000
15cd Wall Speaker/Strobe			
30cd Wall Speaker/Strobe			
75cd Wall Speaker/Strobe			
110cd Wall Speaker/Strobe			
15cd (Ceiling) Speaker/Strobe			
30cd (Ceiling) Speaker/Strobe			
75cd (Ceiling) Speaker/Strobe			
95cd (Ceiling) Speaker/Strobe			
15cd Wall Strobe			
30cd Wall Strobe			
75cd Wall Strobe			
110cd Wall Strobe			
135cd Wall Strobe			
185cd Wall Strobe			
15cd (Ceiling) Strobe			
30cd (Ceiling) Strobe			
75cd (Ceiling) Strobe			
95cd (Ceiling) Strobe			
0			
Speaker only @ 1/4 watt tap			
Speaker only @ 2 watt tap			
Total Standby Amperage	0.000		
Alarm Amperage			
Quantity	Current	Total	
1	0.02857	0.029	
0	0.035	0.000	
0	0.030	0.000	
0	0.040	0.000	
0	0.115	0.000	
0	0.200	0.000	
0	0.000	0.000	
0	0.000	0.000	
0	0.040	0.000	
0	0.058	0.000	
3	0.155	0.465	
0	0.258	0.000	
0	0.000	0.000	
0	0.000	0.000	
0	0.000	0.000	
0	0.057	0.000	
0	0.085	0.000	
0	0.135	0.000	
0	0.182	0.000	
0	0.205	0.000	
0	0.253	0.000	
4	0.040	0.160	
0	0.058	0.000	
0	0.155	0.000	
0	0.258	0.000	
0	0.000	0.000	
0	0.00357	0.000	
0	0.02857	0.000	
Total Alarm Amperage	0.654		
Standby Time Required			
24 Hours x Total Standby Amperage =	24 x 0.000 =	0.000	Amp Hours
Alarm Time Required			
.25(15 Min.) x Total Alarm Amperage =	.25 x 0.654 =	0.163	Amp Hours
Total Required	=	0.163	Amp Hours
x120%	=	0.196071	
Provide Battery & Minimum Battery Amp Hour Required	=	5	Amp Hours

(FA-R)												
Device Type	Circuit: V1,A2			Circuit: 0		Circuit: 0		Circuit: 0				
	Devices x Current	Total Current		Devices x Current	Total Current	Devices x Current	Total Current	Devices x Current	Total Current			
Exteior Speaker @ 2 watt tap	1	0.02857	0.029	0	0.02857	0.000	0	0.02857	0.000	0	0.02857	0.000
Dual Sync Module	0	0.035	0.000	0	0.035	0.000	0	0.035	0.000	0	0.035	0.000
15cd Wall Speaker/Strobe	0	0.030	0.000	0	0.030	0.000	0	0.030	0.000	0	0.030	0.000
30cd Wall Speaker/Strobe	0	0.040	0.000	0	0.040	0.000	0	0.040	0.000	0	0.040	0.000
75cd Wall Speaker/Strobe	0	0.115	0.000	0	0.115	0.000	0	0.115	0.000	0	0.115	0.000
110cd Wall Speaker/Strobe	0	0.200	0.000	0	0.200	0.000	0	0.200	0.000	0	0.200	0.000
	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
15cd (Ceiling) Speaker/Strobe	0	0.040	0.000	0	0.040	0.000	0	0.040	0.000	0	0.040	0.000
30cd (Ceiling) Speaker/Strobe	0	0.058	0.000	0	0.058	0.000	0	0.058	0.000	0	0.058	0.000
75cd (Ceiling) Speaker/Strobe	3	0.155	0.465	0	0.155	0.000	0	0.155	0.000	0	0.155	0.000
95cd (Ceiling) Speaker/Strobe	0	0.258	0.000	0	0.258	0.000	0	0.258	0.000	0	0.258	0.000
	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
15cd Wall Strobe	0	0.057	0.000	0	0.057	0.000	0	0.057	0.000	0	0.057	0.000
30cd Wall Strobe	0	0.085	0.000	0	0.085	0.000	0	0.085	0.000	0	0.085	0.000
75cd Wall Strobe	0	0.135	0.000	0	0.135	0.000	0	0.135	0.000	0	0.135	0.000
110cd Wall Strobe	0	0.182	0.000	0	0.182	0.000	0	0.182	0.000	0	0.182	0.000
135cd Wall Strobe	0	0.205	0.000	0	0.205	0.000	0	0.205	0.000	0	0.205	0.000
185cd Wall Strobe	0	0.253	0.000	0	0.253	0.000	0	0.253	0.000	0	0.253	0.000
15cd (Ceiling) Strobe	4	0.040	0.160	0	0.040	0.000	0	0.040	0.000	0	0.040	0.000
30cd (Ceiling) Strobe	0	0.058	0.000	0	0.058	0.000	0	0.058	0.000	1	0.058	0.058
75cd (Ceiling) Strobe	0	0.155	0.000	0	0.155	0.000	0	0.155	0.000	1	0.155	0.155
95cd (Ceiling) Strobe	0	0.258	0.000	0	0.258	0.000	0	0.258	0.000	0	0.258	0.000
0	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
Speaker only @ 1/4 watt tap	0	0.00357	0.000	0	0.00357	0.000	0	0.00357	0.000	0	0.00357	0.000
Speaker only @ 2 watt tap	0	0.02857	0.000	0	0.02857	0.000	0	0.02857	0.000	0	0.02857	0.000
Total		0.654		Total	0.000		Total	0.000		Total	0.213	
Circuit Length:	200			0			0			0		
Circular mils:	6530			6530			6530			6530		
Volts dropped:	0.43			0.00			0.00			0.00		
Percent voltage drop:	1.80%			0.00%			0.00%			0.00%		

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SYCAMORE CANYON SCHOOL
 3-CLASSROOM ADDITION
 SANTEE SCHOOL DISTRICT

FIRE ALARM CALCS

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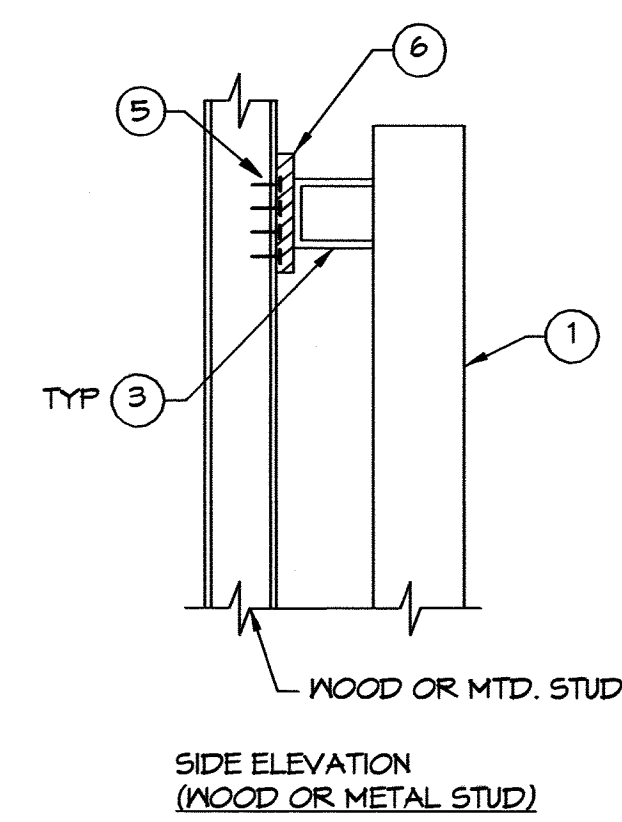
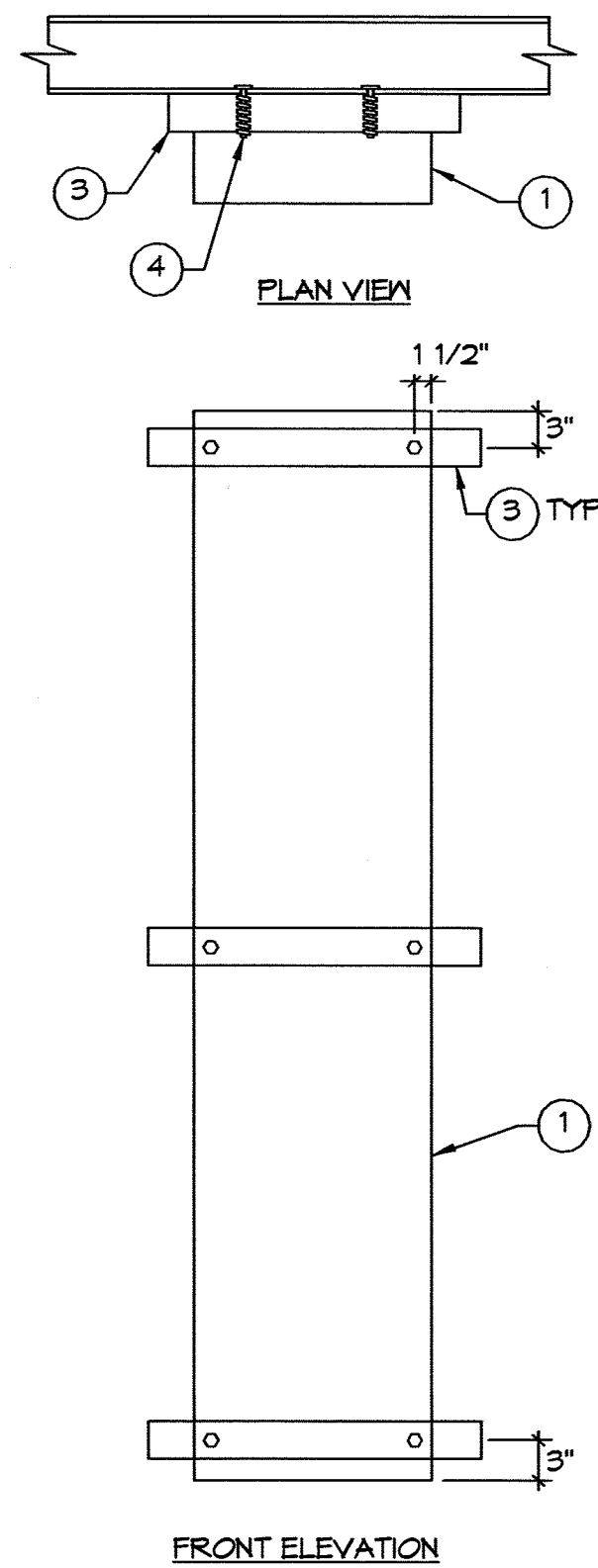
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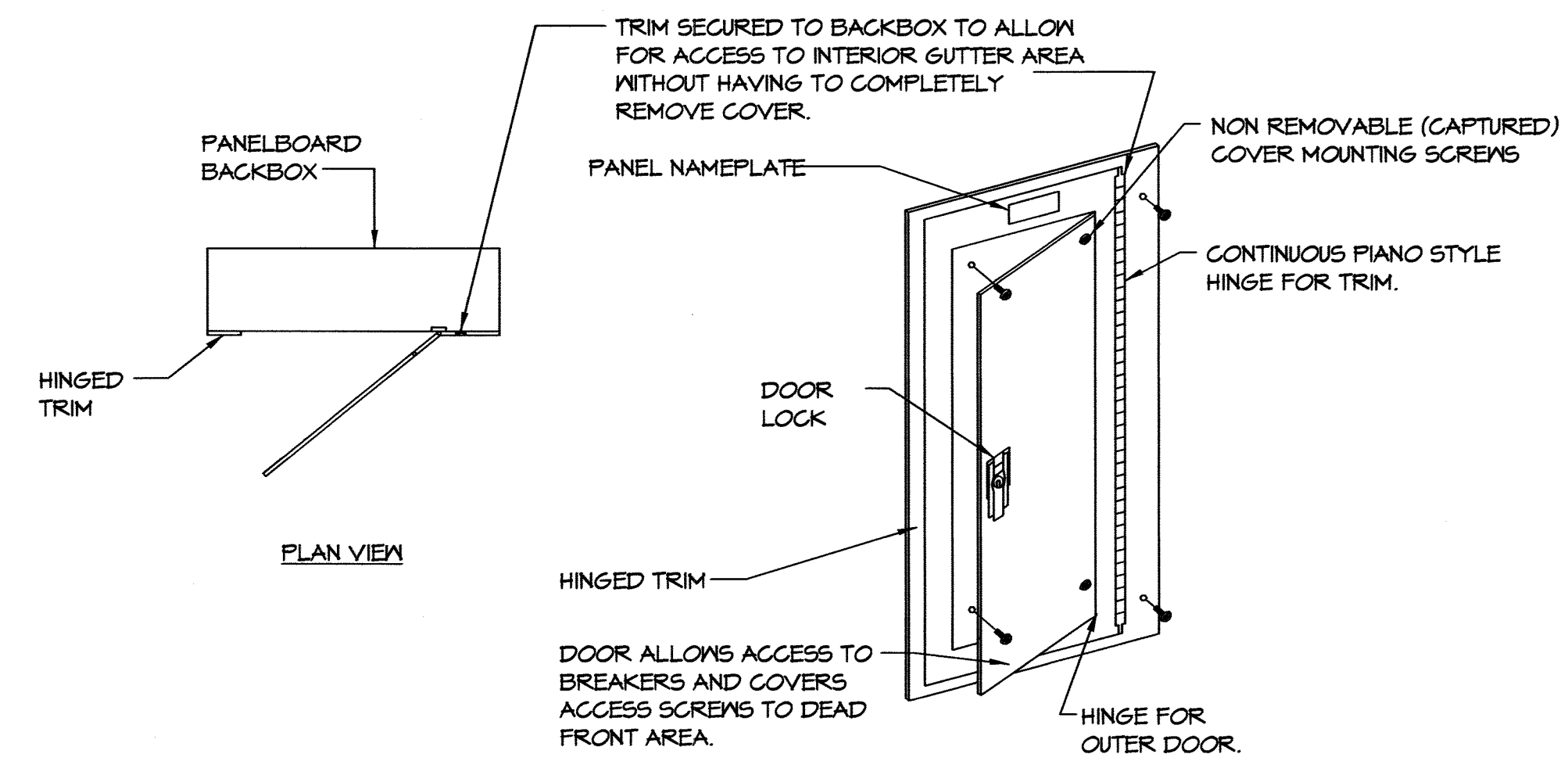
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- DETAIL NOTES**
- 1 ELECTRICAL PANEL WALL MOUNTED 90° H. X 20" W. X 6" D. MAXIMUM. 150 LBS MAXIMUM WEIGHT.
 - 2 NOT USED.
 - 3 UNISTRUT P1000 C-CHANNEL.
 - 4 UNISTRUT P2380 ANCHOR.
 - 5 (2) #12 SMS, @ C.L. EACH STUD.
 - 6 6"x16GA (54 MINUS) NOTCHED TRACK ANCHOR BACKING TO (3) STUDS MIN.

SURFACE WALL MOUNTED ELECTRICAL PANEL DETAIL
NO SCALE

1
E-9.1



- DETAIL GENERAL NOTES**
1. PROVIDE FOR ALL PANELBOARDS FOR THIS PROJECT - SURFACE, RECESSED NEMA 1, OR NEMA 3R CONFIGURATION.
 2. SEE REFERENCE ONE LINE DIAGRAM FOR ALL PANELBOARD AIC RATINGS.

TYPICAL PANELBOARD DOOR/TRIM DETAIL
NO SCALE

3
E-9.1

120/208 3PH, 4WIRE		600 AMP		Main	Breaker	X	ENCLOSURE TYPE	ENCLOSURE NOTE							
200% Neutral Bus				Enclosure	Recessed	X	NEMA TYPE 1								
(INTEGRAL TVSS Protection)				Enclosure	Recessed	X	NEMA TYPE 3R								
(REMOTE TVSS Protection)				Enclosure	Surface	X	NEMA TYPE 4X								
Service Entrance Rated				PROVIDE LOCK ON BREAKER DEVICES FOR ALL EMERGENCY LIGHTING, MOTORS, AND FIRE ALARM EQUIPMENT SERVED FROM THIS PANEL.											
Load Side Feed thru Lug				BREAKER REQUIREMENTS:											
LCL	NHL	CIRCUIT DESCRIPTION	AMP	POLE	NO	PHASE A	PHASE B	PHASE C	NO	AMP	POLE	CIRCUIT DESCRIPTION	LCL	NHL	
X		INTERIOR LTG	20	1	1	880			2	40	3	AC-1			
X		INTERIOR LTG	20	1	3	920			4	40	3				
X		INTERIOR LTG	20	1	5				6	40	3				
		CU-1	30	2	7	1200			8	50	3	AC-2			
						3720			10						
		EF-1	20	1	11				12						
X		INTERIOR LTG	20	1	13	1040			14	50	3	AC-3			
		EWI-1-CR10	40	1	15	3720			16						
		EWI-1-CR10	40	1	17				18						
		EWI-1-TOILET	40	1	19	3500			20	50	3	AC-4			
		DISPLAY LTG	20	1	21	3720			22						
X		EXTERIOR LTG	20	1	23				24						
		EM LTG INVERTER	20	1	25	250			26	20	2	FC-1			
		SPARE	20	1	27	150			28						
		SPARE	20	1	29				30	20	1	SPARE			
		SPARE	20	1	31				32	20	1	SPARE			
		SPARE	20	1	33				34	20	1	SPARE			
		SPARE	20	1	35				36	20	1	SPARE			
		PANEL L2	125	3	37	8000			38	200	3	PANEL DR			
						16960			40						
						6500			42						
						7681			44						
						10800			46						
						16000			48						
SPECIAL PANEL NOTE															
NHL = Non Harmonic Load		TOTAL LOAD PER PHASE		46416	44601	47087			HIGH PHASE	47440 B	0.9sf = VA @ 120V	439.3	AMPS		
LCL = Long Continuous Load		25% LONG CONTINUOUS LOADS		473	275	354			ALL PHASES	139205	0.9sf = VA @ 208V/3PH	429.6	AMPS		
Max. Neut. Load		SUB PANEL							DEMAND FET						
667 AMPS		TOTAL CONNECTED LOAD		46889	44876	47441			NEC 220-34						

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120/208 3PH, 4WIRE		200 AMP		Main	Breaker	X	ENCLOSURE TYPE	ENCLOSURE NOTE							
200% Neutral Bus				Enclosure	Recessed	X	NEMA TYPE 1								
(INTEGRAL TVSS Protection)				Enclosure	Recessed	X	NEMA TYPE 3R								
(REMOTE TVSS Protection)				Enclosure	Surface	X	NEMA TYPE 4X								
Service Entrance Rated				PROVIDE LOCK ON BREAKER DEVICES FOR ALL EMERGENCY LIGHTING, MOTORS, AND FIRE ALARM EQUIPMENT SERVED FROM THIS PANEL.											
Load Side Feed thru Lug				BREAKER REQUIREMENTS:											
LCL	NHL	CIRCUIT DESCRIPTION	AMP	POLE	NO	PHASE A	PHASE B	PHASE C	NO	AMP	POLE	CIRCUIT DESCRIPTION	LCL	NHL	
		RELO PANEL A	100	2	1	880			2	20	1	FACP			
						250			4	20	1	IDF RECEPT.			
						8228			6	20	1	IDF RECEPT.			
		RELO PANEL B	100	2	5				8	20	1	IDF RECEPT.			
						1200			10	20	1	SPARE			
						7858			12	20	1	SPARE			
		RELO PANEL C	100	2	9				14	20	1	SPARE			
						8283			16	20	1	SPARE			
		SPARE	20	1	13				18	20	1	SPARE			
		SPARE	20	1	15				20	20	1	SPARE			
		SPARE	20	1	17				22	20	1	SPARE			
		SPARE	20	1	19				24	20	1	SPARE			
		SPARE	20	1	21				26	20	1	SPARE			
		SPARE	20	1	23				28	20	1	SPARE			
		SPARE	20	1	25				30	20	1	SPARE			
		SPARE	20	1	27				32	20	1	SPARE			
		SPARE	20	1	29				34	20	1	SPARE			
		SPARE	20	1	31				36	20	1	SPARE			
		SPARE	20	1	33				38	20	1	SPARE			
		SPARE	20	1	35				40	20	1	SPARE			
		SPACE	20	1	37				42	20	1	SPACE			
		SPACE	20	1	39				44	20	1	SPACE			
		SPACE	20	1	41				46	20	1	SPACE			
SPECIAL PANEL NOTE															
NHL = Non Harmonic Load		TOTAL LOAD PER PHASE		16966	17691	16906			HIGH PHASE	17691	0.9sf = VA @ 120V	163.8	AMPS		
LCL = Long Continuous Load		25% LONG CONTINUOUS LOADS		0	0	0			ALL PHASES	51983	0.9sf = VA @ 208V/3PH	159.1	AMPS		
Max. Neut. Load		SUB PANEL							DEMAND FET						
251 AMPS		TOTAL CONNECTED LOAD		16966	17691	16906			NEC 220-34						

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JOHNSON
CONSULTING ENGINEERS, INC.

Power | Lighting | Multimedia
Communications | Data Networking

12875 Brookridge Place, Suite 300
Poway, CA 92064
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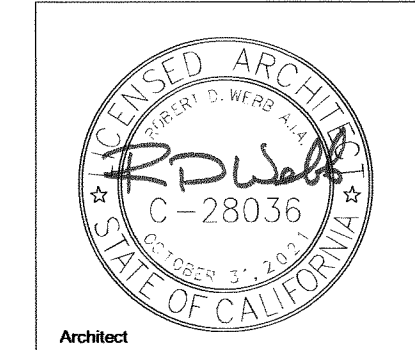
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DIV. OF THE STATE ARCHITECT
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DATE MAR 17 2020

Rev. #	Description	Date

studiowc
ARCHITECTURE + ENGINEERING

515 Encinitas Blvd., Ste. 201, Encinitas, California 92024
Telephone: (760) 942-6800 Fax: (760) 942-7541



SYCAMORE CANYON SCHOOL
3-CLASSROOM ADDITION
SANTEE SCHOOL DISTRICT

PANEL SCHEDULES

Drawn:
Author
Checked:
Checker
Date:

Job:
SSD-SC-03

E-9.1

Sheet List	
Sheet Number	Sheet Name
E2.3	120'x40' T24 C2 16 (WALL AC)
E2.1	120'x40' T24 C2 16 (WALL AC)
E2.2	120'x40' T24 C2 16 (WALL AC)
Cover	
A0.0	COVER SHEET
A0.1	PROJECT OPTIONS SCHEDULE
A0.1	TYPICAL KEY PLAN AND SCHEDULES, GEN NOTES,
A0.2	SIGNAGE AND SYMBOLS
A0.3	DSA-103 T&I CONCRETE FLOORS
A0.4	DSA-103 T&I PLYWOOD FLOORS
A0.5	CALGREEN SPECS

Architectural	
A1.0	24x40 FLOOR PLAN
A1.1	36x40 FLOOR PLAN
A1.2	48x40 FLOOR PLAN
A2.1	ARCHITECTURAL DETAILS (WOOD FRAMING SHTG FINISH)
A2.2	ARCHITECTURAL DETAILS (WOOD FRAMING PLASTER FINISH)
A2.3	ARCHITECTURAL DETAILS (MTL FRAMING SHTG FINISH)
A2.4	ARCHITECTURAL DETAILS (MTL FRAMING PLASTER FINISH)
A2.5	ARCHITECTURAL DETAILS (1-HR WOOD FRAMING SHTG FINISH)
A2.6	ARCHITECTURAL DETAILS (1-HR WOOD FRAMING PLASTER FINISH)
A2.7	ARCHITECTURAL DETAILS (1-HR MTL FRAMING SHTG FINISH)
A2.8	ARCHITECTURAL DETAILS (1-HR MTL FRAMING PLASTER FINISH)
A2.9	ARCHITECTURAL DETAILS (FLOOR)
A3.0	ADDITIONAL FIRE-RATING DETAILS AND NOTES-
A3.1	SINGLE OCC. BATHROOM
A3.2	RCP
A3.2.1	CEILING NOTES
A3.3	CEILING DETAILS (T-GRID)
A3.4	CEILING DETAILS (GYP BOARD)
A4.0.1	ROOF PLAN MONO SLOPE (STANDING SEAM)
A4.0.2	ROOF PLAN DUAL SLOPE (STANDING SEAM)
A4.1	ROOF DETAILS (STANDING SEAM)
A4.2.1	ROOF PLAN MONO SLOPE (EPDM)
A4.2.2	ROOF PLAN DUAL SLOPE (EPDM)
A4.3	ROOF DETAILS (EPDM)
A4.4.1	ROOF PLAN w/ PARAPET MONO SLOPE (EPDM)
A4.5	ARCHITECTURAL DETAILS (PARAPET)
A5.0	SIDEWALL ELEVATIONS
A5.1	ENDWALL ELEVATIONS
A5.2	INTERIOR ELEVATIONS
A6.0	SECTION - STANDING SEAM (MONO)
A6.0.1	SECTION - STANDING SEAM (DUAL)
A6.1	SECTION - EPDM (DUAL)
A6.2	SECTION
A6.3	SECTION - EPDM (MONO)
A7.0	ADDITIONAL OPTION DETAILS
A7.1	ADDITIONAL OPTION DETAILS
A7.2	ADDITIONAL OPTION DETAILS
MEP	
E1.0	ELECTRICAL PLAN 24x40
E1.1	ELECTRICAL SCHEDULES 24x40
E1.2	ELECTRICAL PLAN 36x40
E1.3	ELECTRICAL SCHEDULE 36x40
E1.4	ELECTRICAL PLAN 48x40
E1.5	ELECTRICAL SCHEDULE 48x40
M0.1	MISCELLANEOUS NOTES & DETAILS
M2.1	120'x40' T24 C2 16 (WALL AC)
M2.2	120'x40' T24 C2 16 (WALL AC)
M2.3	120'x40' T24 C2 16 (WALL AC)
M2.4	120'x40' T24 C2 16 (WALL AC)
M5.1	MECHANICAL CEILING PLAN 24x40
M5.2	MECHANICAL ROOF MOUNT 24x40
M6.1	MECHANICAL CEILING PLAN 36x40
M6.2	MECHANICAL ROOF MOUNT 36x40
M7.1	MECHANICAL CEILING PLAN 48x40
M7.2	MECHANICAL ROOF MOUNT 48x40
P1.0	TYPICAL PLUMBING DETAILS

DESIGN CODES		
PARTIAL LIST OF APPLICABLE CODES AS OF February 28, 2017		
2016 Administrative Code (CAC), Part 1, Title 24 C.C.R. *		
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2016 California Referenced Standards, Part 12, Title 24 C.C.R.		
Title 19 C.C.R., Public Safety, State Fire Marshal Regulations.		
2013 ASME A17.1 (W/CSA B44-13) Safety Code for Elevators and Escalators		
PARTIAL LIST OF APPLICABLE STANDARDS		
NFPA 13	Automatic Sprinkler Systems	2016 Edition
NFPA 14	Standpipe Systems	2013 Edition
NFPA 17	Dry Chemical Extinguishing Systems	2013 Edition
NFPA 17a	Wet Chemical Systems	2013 Edition
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ACOUSTICAL CONTROL (EXTERIOR) REQUIREMENTS	
Per the 2016 CCR, Title 24, Part 11 (CALGREEN CODE) Section 5.507.4. This pre-check building is not allowed to be placed:	
- Within the 65 CNEI noise contour of a airport;	
- Within the 65 CNEI or Ldn noise contour of a freeway, expressway, railroad, or industrial source guideway;	
- Or in a location exposed to a noise level of 65 dB Leq-1hr, during any hour of operation.	
NOTE: VISUAL DEVICES PER UL STANDARD 1971	
THIS PC HAS A "PRE-DESIGNED" FIRE SPRINKLER SYSTEM INSTALLED. SEE BELOW FOR SITE REQUIREMENTS BY OWNER	
IT IS THE OWNERS RESPONSIBILITY TO ENSURE THE MINIMUM FLUSH (GPM) AND PRESSURE (PSI) CAN BE ATTAINED AT THE BASE OF THE RISER AT THE PROPOSED SITE FOR EACH PROPOSED BUILDING.	
THIS PC REQUIRES	
MINIMUM GPM : 250	
MINIMUM PSI : 35	
FAILURE TO ATTAIN THE MIN GPM/PSI MAY NECESSITATE THE INSTALLATION OF ONE OR MORE OF THE FOLLOWING ITEMS/EQUIPMENTS.	
A. WATER TANK	
1. FIRE PUMP	
2. BACK UP FIRE SUPPLY	
B. ADDITIONAL UNDERGROUND FIRE LINE TAPS	
C. ALL OR ANY COMBINATION OF THE ABOVE OR ANY OTHERS AS REQUIRED TO ENSURE PROPER OPERATION OF THE AFSS	
THE FOLLOWING MUST BE SUPPLIED TO DSA AT THE TIME OF SUBMITTAL WITH THE SITE PLAN FOR EACH PROPOSED BUILDING WITH AN AFSS.	
1. MINIMUM GPM/PSI REQUIRED	
2. WATER FLOW DATA (SEE DSA AFFS GUIDELINES)	
3. SITE PLAN SHOWING THE LOCATION OF THE "FLOW" AND "TEST" HYDRANTS (FULLY DIMENSIONED)	
4. ALL (NEW AND EXISTING) UNDERGROUND FIRE LINES/PIPING -LENGTH AND SIZE SHOWING LOCATION AND METHOD OF UNDERGROUND PIPING RESTRAINTS TO TEST HYDRANT LOCATION OF ALL (NEW AND EXISTING);	
A. FIRE HYDRANTS	
B. POST INDICATORS	
C. FIRE DEPARTMENT CONNECTIONS	
D. PRESSURE REDUCERS	
E. BACK-FLOW PREVENTION/DETECTOR CHECK VALVES	
OTHER FIRE RELATED ITEMS/EQUIPMENTS APPLICABLE	
6. HYDRAULIC CALCULATIONS FOR THE UNDERGROUND PIPING WITH THE AVAILABLE GPM/PSI AT THE BASE OF EACH AFSS RISER (MUST MEET OR EXCEED MIN REQ'D)	
7. ANY CHANGES TO THE CONFIGURATION (WALLS, CEILINGS, CONSTRUCTION TYPE) OR OCCUPANCY OF THE PC WILL NECESSITATE ADDITIONAL/REVISED HYDRAULIC CALCULATIONS	

Structural	
S0.1	STRUCTURAL GEN NOTES
S1.0.1	WD SHTG FLR FRM'G PLAN (50+15 PSF)
S1.0.2	WD SHTG FLR FRM'G PLAN (100 PSF)
S1.0.3	WD SHTG FLR FRM'G PLAN (150 PSF)
S1.1.1	GONG FLR FRM'G PLAN (50+15 PSF)
S1.1.2	GONG FLR FRM'G PLAN (100 PSF)
S1.1.3	GONG FLR FRM'G PLAN (150 PSF)
S1.2	STRUCTURAL DETAILS (FLOOR)
S3.0.1	MONO SLOPE ROOF FRM'G PLAN
S3.0.2	DUAL SLOPE ROOF FRM'G PLAN
S3.1	STRUCTURAL DETAILS (ROOF)
S3.2	ROOF DETAILS (SOFFIT/PARAPET)
S3.3	ROOF PERIMETER TRUSS
S4.0	MTL WALL FRAMING ELEVATIONS
S4.1	WD WALL FRAMING ELEVATIONS
S4.2	WALL DETAILS (WOOD FRAMING)
S4.3	WALL DETAILS (MTL FRAMING)
S4.4	TYP FRAMING
S4.5	FRAMING SCHEDULES
S5.0	LONG SECTION - (MONO)
S5.1	LONG SECTION - (DUAL)
SR0 MODULE PLAN AND NOTES-	
SR1	RAMP LANDING
SR2	LANDING FRAME
SR3	FOUNDATION PLAN
SR4	RAMP ELEVATION
SR5	RAMP DETAILS
SR6	RAMP DETAILS
SR7	STAIR CONN

Sheet List	
Sheet Number	Sheet Name
Under Separate Cover	
FS-1	FIRE SPRINKLER DESIGN 1-
FS-2	FIRE SPRINKLER DESIGN 2-

ALT-01	ALTERATION TO STOCKPILE
ALT-02	ALTERATION TO STOCKPILE
ALT-03	ALTERATION TO STOCKPILE
ALT-04	ALTERATION TO STOCKPILE
ALT-05	ALTERATION TO STOCKPILE
ALT-D1	ALTERATION TO STOCKPILE

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CLASS LEASING LLC

LOW SEISMIC DESIGN CRITERIA

WUI PROJECT

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PC # 04-116504

24' x 40' EXPANDABLE TO 120' x 40'

CONSTRUCTION OF CLASSROOM BUILDING (RELOCATABLE)

SCOPE OF WORK BUILDING DESIGN		
NUMBER OF STORIES:	1	
OCCUPANCY:	"E"	
CONSTRUCTION TYPE:	VB	
FLOOR LIVE LOAD:	50+15 PSF PARTITION 100 PSF @ 150 PSF	
FLOOR DEAD LOAD:	WOOD FLOOR - 11 PSF CONC. FLOOR - 33 PSF	
ROOF LIVE LOAD:	20 PSF	
ROOF SNOW LOAD:	0 PSF	
ROOF DEAD LOAD:	18.5 PSF (INCLUDES SPRINKLERS & 3PSF SOLAR PANEL)	
RAMP LIVE LOAD:	100 PSF	
FLOOR DESIGN:	THIS PC HAS NOT BEEN DESIGNED TO ACCOMMODATE FLOOD LOADS. IT LOCATED IN A ZONE OTHER THAN X, A LETTER STAMPED AND SIGNED FROM A SOILS ENGINEER IS NEEDED TO VALIDATE THE ALLOWABLE SOIL VALUES ASSUMED IN THIS PC ARE STILL APPLICABLE.	
BUILDING AREA	NO OVERHANG	WITH OVERHANG (5' @ EA. END)
4000 sf	□ 24x40 960 sf	□ 24x40 1200 sf
	□ 36x40 1440 sf	□ 36x40 1800 sf
ACTUAL AREA	□ 48x40 1920 sf	□ 48x40 2400 sf
=4,800 SF	□ 60x40 2400 sf	□ 60x40 3000 sf
	□ 72x40 2880 sf	□ 72x40 3600 sf
	□ 84x40 3360 sf	□ 84x40 4200 sf
	□ 96x40 3840 sf	□ 96x40 4800 sf
	□ 108x40 4320 sf*	□ 108x40 5400 sf*
	□ 120x40 4800 sf*	□ 120x40 6000 sf*

PROJECT SPECIFIC BUILDING REQUIREMENTS FOR FIRE HAZARD SEVERITY ZONE, CBC CHAPTER 7A.	
ROOF COVERING: (C.B.C. SECTION 705A) 26 GA. GALV. STEEL (NON-COMBUSTIBLE) INTERLOCKED STANDING SEAM ROOF PANELS w/ NO SPACE BETWEEN ROOF PANELS AND ROOF DECKING. STANDING SEAM ROOF OVER ONE LAYER #15 ROOF FELT. (C.B.C. 705A.2)	
ROOF GUTTERS: (C.B.C. SECTION 705A.4) SHALL BE SCREENED WITH A CORROSION-RESISTANT NONCOMBUSTIBLE WIRE MESH WITH 1/4" (6mm) OPENINGS OR EQUAL.	
SOFFITS: (C.B.C. SECTION 705A.3) NON-COMBUSTIBLE CEMENT FIBER BOARD. ("LP SMARTSIDE" OR EQUAL.)	
EXTERIOR WALL FINISH: (C.B.C. SECTION 707A.3) NON-COMBUSTIBLE CEMENT FIBER SIDING. ("LP SMARTSIDE" OR EQUAL.)	
VERTICAL EXTERIOR WALL VENTS & SOFFIT VENTS: (C.B.C. SEC. 706A) SCREENED WITH A CORROSION-RESISTANT NONCOMBUSTIBLE WIRE MESH WITH 1/16" (1.6mm) MIN. OPENINGS AND NOT TO EXCEED 1/8" (3.2mm).	
EXTERIOR WINDOWS: (C.B.C. SECTION 708A.2) METAL FRAME, TEMPERED GLASS, OR ASSEMBLY OF FIRE RESIST OF NOT LESS THAN 20 MINUTES.	
EXTERIOR DOORS: (C.B.C. SECTION 708A.3) NON-COMBUSTIBLE METAL DOORS AND FRAME, OR ASSEMBLY OF FIRE RESIST OF NOT LESS THAN 20 MINUTES.	
ALLOWABLE SOIL PRESSURE: □ WOOD FTG -1000PSF □ CONCRETE FTG 1500PSF	
FOUNDATION: □ WOOD □ CONCRETE	
PC IS DESIGNED BASED ON A PINNED CONNECTION TO THE FOUNDATION.	
CEC CLIMATE ZONE: 1-16	
WIND DESIGN	
ULTIMATE DESIGN SPEED: Vult = 130 mph, 3 sec GUST, Kzt = 1.0	
RISK CATEGORY: II	
EXPOSURE: C	
EARTHQUAKE DESIGN	
RISK CATEGORY: II	
SEISMIC IMPORTANCE FACTOR: I = 1.0	
MAPPED SPECTRAL RESPONSE: Sds = 2.14 S1 = 1.99 S2 = 1.99	
SEISMIC DESIGN CATEGORY: E	
Note: For SDC (E) site specific motion analysis is not required if not in a seismic hazard zone and/or meets	

ARCHITECTURAL

⑥ General Architectural Sheets 1/4" = 1'-0"		Sheet	
GENERAL ARCHITECTURAL SHEETS			
COVER SHEET		A0.0	
PROJECT OPTIONS SCHEDULE		A0.0.1	
TYPICAL KEY PLAN AND SCHEDULE, GEN NOTES		A0.1	
SIGNAGE AND SYMBOLS		A0.2	
DSA-103 T&I CONCRETE FLOORS		A0.3	
DSA-103 T&I CONCRETE FLOORS		A0.4	
CALGREEN SPEC'S		A0.5	
CALGREEN SHEET		A0.6	
CALGREEN SHEET		A0.7	
⑤ Floor Plan Details 1/4" = 1'-0"		Sheet	
ARCHITECTURAL FLOOR PLANS			
□ Floor Plan - 24'x40'		A1.0	
☒ Floor Plans		A1.1	
☒ Floor Plan - 36'x40'		A1.1	
☒ Floor Plan - 48'x40'		A1.2	
① Arch Floor Framing Details 1/4" = 1'-0"		Sheet	
ARCHITECTURAL FLOOR FRAMING DETAILS			
□ Wood Floor	1 2 3 4 5 6	A2.9	
□ Concrete Floor	7 8 9 10 11 12	A2.9	
② Wall Schedule 1/4" = 1'-0"		Sheet	
ARCHITECTURAL WALL DETAILS			
□ Wood Studs	Detail		
	Door	ML	
	Window	Corner	
	HVAC	Top	
	PLT	6" SEP	
	THR OPT 1	THR OPT 2	
	EXT HDR	INT HDR	
☒ Sheathing	8 9 2 3 4 5 11	1 16 17 5 x x 10A 10B	A2.1
☒ Plaster	8 9 3 4 5 11	1 16 17 5 x x 10A 10B	A2.2
□ 1-HR Sheathing	8 9 2 3 4 5 11	1 16 17 5 - - 10A -	A2.5
□ 1-HR Plaster	8 9 2 3 4 5 11	1 16 17 4 - - 10A -	A2.6
□ Metal Studs			6
□ Wood Sheathing	8 9 2 3 4 5 11	1 10 16 5 x x 10A 10B	A2.3
□ Wood Plaster	8 9 2 3 4 5 11	1 10 16 5 x x 10A 10B	A2.4
□ 1-HR Sheathing	8 9 2 3 4 5 11	1 16 17 5 - - 10A -	A2.7
□ 1-HR Plaster	8 9 2 3 4 5 11	1 16 17 5 - - 10A -	A2.8
□ Additional Fire Rating Details and Notes			A3.0
□ Single OCC, Bathroom			A3.1
④ Ceiling Plans 1/4" = 1'-0"		Sheet	
ARCHITECTURAL CEILING PLANS			
Reflected Ceiling Plans:	□ 24' x 40'	□ 8 (2'x4') Recessed Light Fixture	A3.2
		□ 12 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light	A3.2
	□ 36' x 40'	□ 12 (2'x4') Recessed Light Fixture	A3.2
		□ 16 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light	A3.2
	☒ 48' x 40'	☒ 16 (2'x4') Recessed Light Fixture	A3.2
		□ 18 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light	A3.2
Ceiling Notes			A3.2.1
③ Ceiling Details 1/4" = 1'-0"		Sheet	
ARCHITECTURAL CEILING DETAILS			
Ceiling Framing	Detail		
	Wall	Joists	
	Access	BLK'G	
☒ T-GRID	SEE PLAN	SEE PLAN	A3.3
□ Wood	1	2	A3.4
□ MTL	6	7	A3.4
□ MTL	10	11	A3.4
⑦ Roof Plans 1/4" = 1'-0"		Sheet	
ARCHITECTURAL ROOF PLANS			
☒ Mono			A4.2.1
	□ EPDM		A4.0.1
	□ Standing Seam		A4.4.1
	□ Parapet		A4.4.1
□ Dual			A4.2.2
	□ EPDM		A4.0.2
	☒ Standing Seam		A4.0.2
②② Roof Details 1/4" = 1'-0"		Sheet	
ARCHITECTURAL ROOF DETAILS			
☒ Mono			A4.3
	□ EPDM		A4.1
	☒ Standing Seam		A4.5
	□ Parapet		A4.5
□ Dual			A4.3
	□ EPDM		A4.1
	□ Standing Seam		A4.1
⑧ Arch Building Section 1/4" = 1'-0"		Sheet	
ARCHITECTURAL BUILDING SECTION			
☒ Mono			A6.3
	□ EPDM		A6.0
	☒ Standing Seam		A6.0
□ Dual			A6.1
	□ EPDM		A6.0.1
	□ Standing Seam		A6.0.1
Section			A6.2

ARCHITECTURAL

⑬ Exterior Elevations 1/4" = 1'-0"		ARCHITECTURAL EXTERIOR ELEVATIONS					
Exterior Elevations:	Detail		Sheet		Detail		Sheet
	Left	Right	Front	Rear			
□ 24'x40'							
□ Mono Slope	1	2	A5.0	1	2	A5.1	
□ Parapet Roof - Mono Slope	3	4	A5.0	3	4	A5.1	
□ Dual Slope	5	6	A5.0	5	6	A5.1	
☒ 36'x40'							
☒ Mono Slope	1	2	A5.0	5	6	A5.1	
□ Parapet Roof - Mono Slope	3	4	A5.0	7	8	A5.1	
□ Dual Slope	5	6	A5.0	5	6	A5.1	
□ 48'x40'							
□ Mono Slope	1	2	A5.0	9	10	A5.1	
□ Parapet Roof - Mono Slope	3	4	A5.0	11	12	A5.1	
□ Dual Slope	5	6	A5.0	9	10	A5.1	
⑭ Interior Elevations 1/4" = 1'-0"		ARCHITECTURAL INTERIOR ELEVATIONS					
Interior Elevations:	Detail		Sheet		Detail		Sheet
	Left	Right	Front	Rear			
□ 24'x40'							
□ 36'x40'	1	2	5	6		A5.2	
☒ 48'x40'	1	2	8	7		A5.2	

MEP

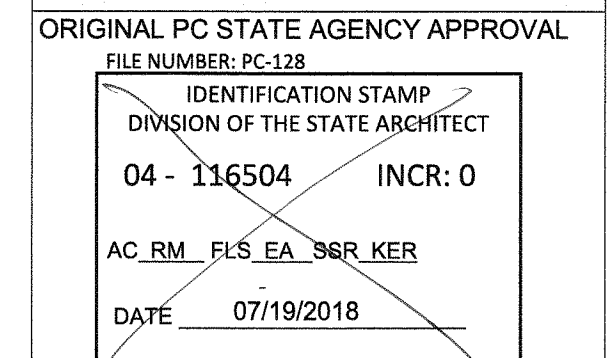
⑨ Plumbing 1/4" = 1'-0"		PLUMBING		Sheet
Plumbing Details and Schedules				P1.0
⑩ Mechanical 1/4" = 1'-0"		MECHANICAL		
Mechanical Plans:	Detail		Sheet	
	Ceiling Plan	Roof Plan		
□ 24' x 40'	□ Wall Mount	M5.1	M5.2	
	□ Roof Mount	M5.1	M5.2	
☒ 36' x 40'	□ Wall Mount	M6.1	M6.2	
	□ Roof Mount	M6.1	M6.2	
□ 48' x 40'	☒ Wall Mount	M7.1	M7.2	
	□ Roof Mount	M7.1	M7.2	
□ 60' x 40'	□ Wall Mount			
	□ Roof Mount			
□ 72' x 40'	□ Wall Mount			
	□ Roof Mount			
□ 84' x 40'	□ Wall Mount			
	□ Roof Mount			
□ 96' x 40'	□ Wall Mount			
	□ Roof Mount			
□ 108' x 40'	□ Wall Mount			
	□ Roof Mount			
□ 120' x 40'	□ Wall Mount			
	□ Roof Mount			
⑪ Electrical 1/4" = 1'-0"		ELECTRICAL		
Reflected Ceiling Plans:	Detail		Sheet	
	Left	Right	Front	Rear
□ 24' x 40'	□ 8 (2'x4') Recessed Light Fixture			
	□ 12 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light	E1.0	E1.1	
☒ 36' x 40'	☒ 12 (2'x4') Recessed Light Fixture			
	□ 18 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light	E1.2	E1.3	
□ 48' x 40'	□ 16 (2'x4') Recessed Light Fixture			
	□ 24 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light	E1.4	E1.5	
□ 60' x 40'	□ 20 (2'x4') Recessed Light Fixture			
	□ 30 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light			
□ 72' x 40'	□ 24 (2'x4') Recessed Light Fixture			
	□ 36 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light			
□ 84' x 40'	□ 28 (2'x4') Recessed Light Fixture			
	□ 42 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light			
□ 96' x 40'	□ 32 (2'x4') Recessed Light Fixture			
	□ 48 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light			
□ 108' x 40'	□ 36 (2'x4') Recessed Light Fixture			
	□ 54 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light			
□ 120' x 40'	□ 40 (2'x4') Recessed Light Fixture			
	□ 60 (1'x8') Pendant Light w/ 4 (1'x16') Recessed Light			
⑫ Fire Sprinklers Plans 1/4" = 1'-0"		FIRE SPRINKLERS PLANS		
Fire Sprinklers Drawings:				Sheet
□ Fire Sprinklers Drawings:	□ Floor Plans			FS-2
	□ Details			FS-1

STRUCTURAL

⑮ Foundations Plans 1/4" = 1'-0"		FOUNDATION	
Foundation Plan:	Detail		Sheet
	Front	Rear	
□ 24'x40' (50+15 PSF)			F1.11
□ 24'x40' (100 PSF)			F1.21
□ 24'x40' (150 PSF)			F1.31
□ 36'x40' (50+15 PSF)			F1.12
□ 36'x40' (100 PSF)			F1.22
□ 36'x40' (150 PSF)			F1.32
□ 48'x40' (50+15 PSF)			F1.13
□ 48'x40' (100 PSF)			F1.23
□ 48'x40' (150 PSF)			F1.33
☒ Concrete Foundation Plan			F2.10
⑯ General Structural Sheets 1/4" = 1'-0"		GENERAL STRUCTURAL SHEETS	
STRUCTURAL GEN NOTES		Sheet	
S0.1			
⑰ Floor Framing Plans 1/4" = 1'-0"		STRUCTURAL FLOOR FRAMING PLANS	
Wood Sheathing Floor:	Detail		Sheet
	Front	Rear	
☒ (50+15 PSF)			S1.01
□ (100 PSF)			S1.02
□ (150 PSF)			S1.03
□ Concrete Framing Floor:			
□ (50+15 PSF)			S1.1.1
□ (100 PSF)			S1.1.2
□ (150 PSF)			S1.1.3
⑲ Floor Framing Details 1/4" = 1'-0"		STRUCTURAL FLOOR FRAMING DETAILS	
Wood Framing		Sheet	
S1.2			
Concrete Framing		Sheet	
S1.2			
⑱ Roof Framing Plans 1/4" = 1'-0"		STRUCTURAL ROOF FRAMING PLANS	
Mono Slope Roof Framing		Sheet	
S3.0.1			
Dual Slope Roof Framing		Sheet	
S3.0.2			
⑳ Wall Framing Details 1/4" = 1'-0"		STRUCTURAL WALL FRAMING DETAILS	
Wood:	Detail		Sheet
	Front	Rear	
☒ Framing Elevation			S4.1
□ Wall Details			S4.2
Metal:	Detail		Sheet
	Front	Rear	
□ Framing Elevation			S4.0
□ Wall Details			S4.3
☒ Typ Framing:			S4.4
□ Framing Schedule:			S4.5
㉑ Building Section 1/4" = 1'-0"		STRUCTURAL BUILDING SECTION	
Mono		Sheet	
S5.0			
Dual		Sheet	
S5.1			

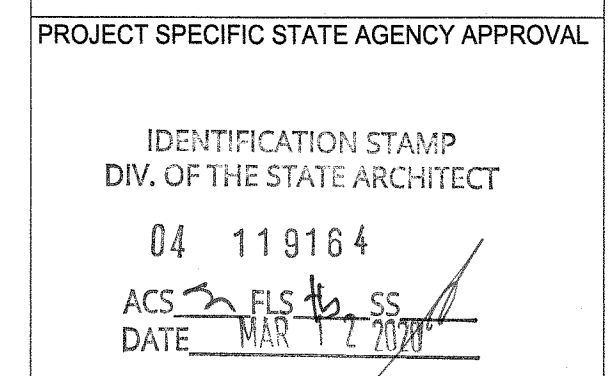


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PROJECT TITLE
24' x 40'
EXPANDABLE TO
120' x 40'

PRE-CHECK (PC) DOCUMENT
Code: [2016] CBC
A separate project application for construction is required.

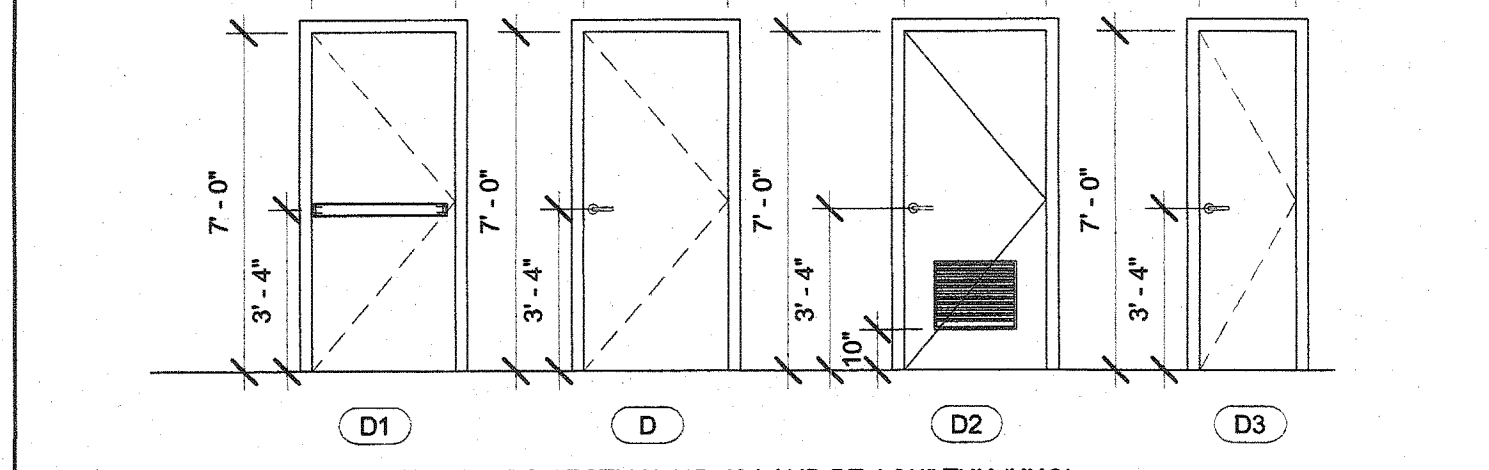


Revision Schedule		
#	Description	Date

SHEET TITLE
PROJECT OPTIONS
SCHEDULE

PROJECT NUMBER	17016A
DRAWN BY	rMc/SC
CHECKED BY	JART
DATE	2018/03/08
SHEET NO.	A0.0.1
SHEET OF SHEETS	

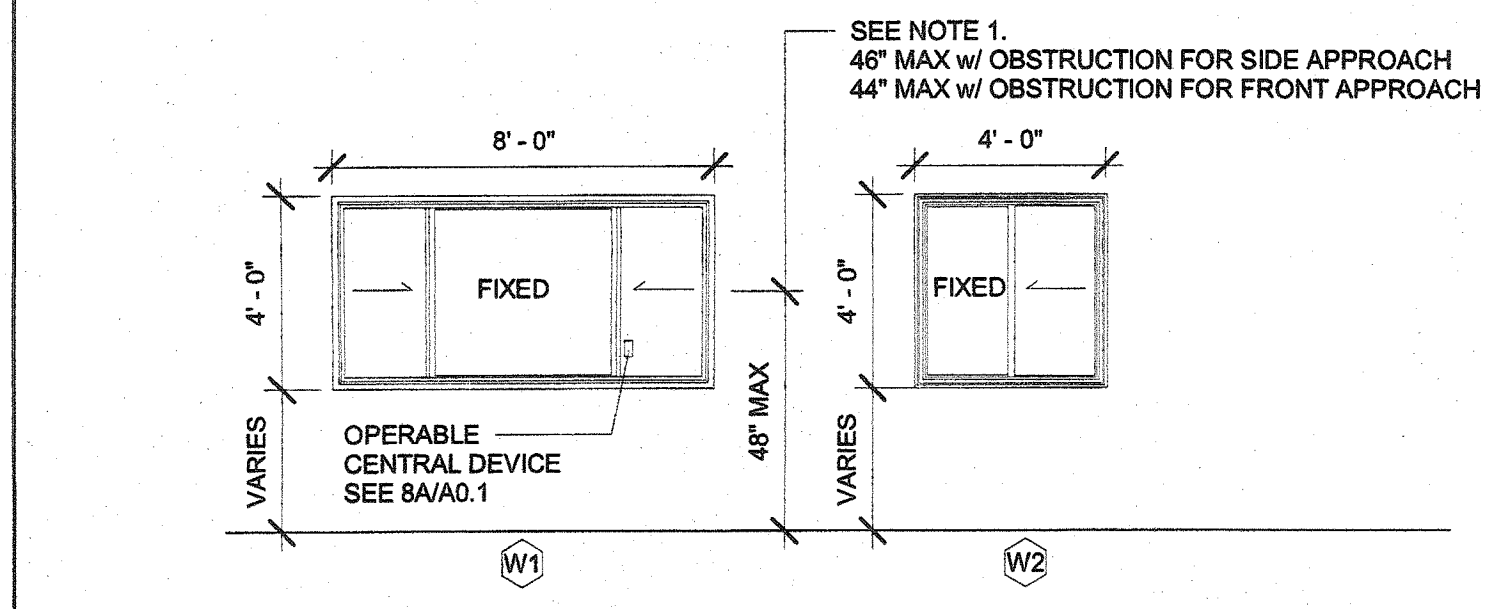
Door Schedule						
Mark	Type	Width	Height	Door Material	Frame Type	Hardware
1	D1	3'-0"	7'-0"	18GA Hollow Metal	Knock Down	HW1
2	D	3'-0"	7'-0"	18GA Hollow Metal	Knock Down	HW2
3	D	3'-0"	7'-0"	Solid Core Wood Legacy	Knock Down	HW3
4	D2	3'-0"	7'-0"	18GA Hollow Metal	Knock Down	HW3
5	D2	3'-0"	7'-0"	18GA Hollow Metal	Knock Down	HW3
6	D3	2'-0"	7'-0"	18GA Hollow Metal	Knock Down	HW3



- ALL DOORS SHALL COMPLY WITH CBC SECTION 11B-404 AND BE 1 3/4" THK (UNO)
- CENTER ALL DOOR LEVERS FOR ACCESS AND LOCKING @ 40" ABOVE FINISH FLOOR. ALL HARDWARE SHALL OPEN FROM THE INTERIOR AND NOT REQUIRE ANY SPECIFIC KNOWLEDGE OF THE HARDWARE OR REQUIRE ANY SPECIAL EFFORT FOR EGRESS. THE LEVER OF LEVER-ACTUATED LEVERS OR LOCKS SHALL BE CURVED WITH A RETURN TO WITHIN 1/2" OF THE FACE OF THE DOOR TO PREVENT CATCHING ON THE CLOTHING (etc.) OF PERSONS DURING EGRESS. THE LEVER OF LEVER-ACTUATED LEVERS OR LOCKS SHALL EXTEND AT A MINIMUM OF ONE-HALF THE DOOR WIDTH.
- PER CBC 1008.1.10 FOR ANY ROOM CONFIGURATION WHICH PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER SHALL NOT BE PROVIDED WITH A LATCH OR LOCK UNLESS IT IS PANIC HARDWARE OR FIRE EXIT HARDWARE AND COMPLY WITH ALL REQUIREMENTS OF SECTION 11B-309 OF THE CBC. ALL HARDWARE SHALL COMPLY WITH HARDWARE SCHEDULE THIS SHEET.
- PER CBC 11B-309.4 THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.2 N) MAX.
- PER CBC 11B-404.2.8.2 DOOR SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR SHALL MOVE TO THE CLOSE POSITION IN 1.5 SECONDS MINIMUM. ALL CLOSER MUST COMPLY WITH CBC 11B-404.2.8.1 - DOOR CLOSER AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS OR LESS.
- THE MAXIMUM AREA OF EXTERIOR WALL OPENING PER CBC TABLE 705.8 AND THE FIRE PROTECTION FOR EXTERIOR WALL PER CBC TABLE 602. ALL FIRE PROTECTION BASED ON THE FIRE SEPARATION DISTANCE.
- DOOR LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS.
- (PH) ON PLANS THE SHEET INDICATES REQUIRED PANIC HARDWARE.
- PROVIDE EXIT SIGNS AS REQUIRED PER CBC SECTION 1013.4. SEE DETAILS PER A0.2
- ALL EXIT DOORS SHALL BE OPENABLE FROM INSIDE W/O ANY USE OF SPECIAL TOOLS, KNOWLEDGE OR EFFORT.

9 Doors

Window Schedule					
Mark	Type	Height x Width	Function	Type Comments	Glazing
A	W1	4'-0" x 8'-0"	XOX	Clear Anodized Alum. Frame	*DP
B	W2	4'-0" x 4'-0"	XO	Clear Anodized Alum. Frame	*DP

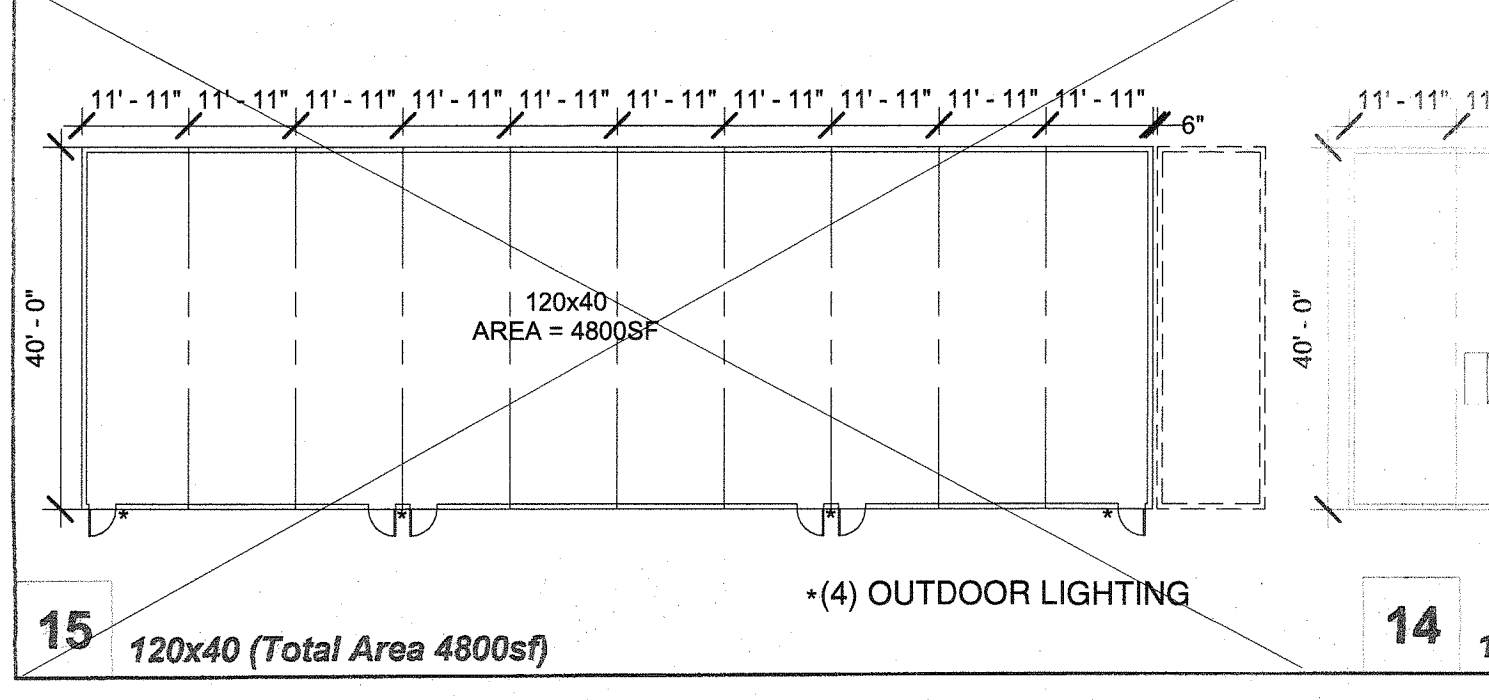


WINDOW LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS.
 WINDOW - 3/4" INSULATING GLASS UNIT PERFORMANCE
 U-VALUE : 0.35
 SHGC : 0.24
 VT : 0.5

ABBREVIATIONS:
 DP - DUAL PANE
 T - TEMPERED GLASS

NEW BUILDINGS THAT ARE INCLUDED IN PUBLIC SCHOOLS (KINDERGARTEN THROUGH 12TH GRADE) SHALL INCLUDE LOCKS THAT ALLOW DOORS TO CLASSROOMS AND ANY ROOM WITH AN OCCUPANCY OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INSIDE. THE LOCKS SHALL CONFORM TO THE SPECIFICATION AND REQUIREMENTS FOUND IN SECTION 1010.1.9 Education Code 17075.50.

8 Windows



15 120x40 (Total Area 4800sf) * (4) OUTDOOR LIGHTING

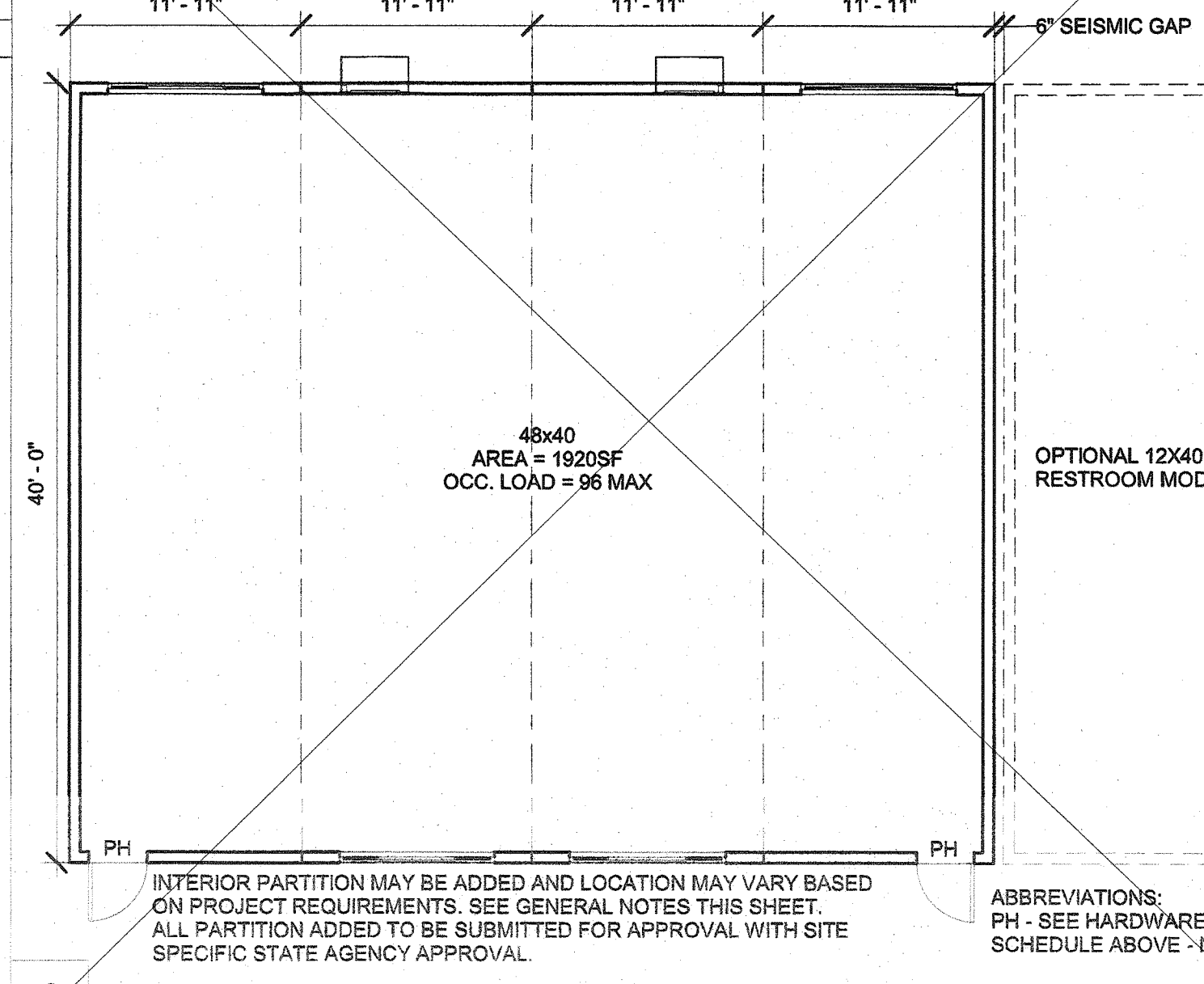
- PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE.
 (1) LABEL AT REAR EXTERIOR
 (1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME.
 LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURERS NAME AND SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, WIND SPEED, EXPOSURE CATEGORY, AND Kzt = 1.0 PER 2016 CBC
- VINYL TACKBOARD TO HAVE A CLASS 1 FLAME SPREAD RATING AND COMPLY WITH A SMOKE DENSITY OF 175
- VERIFIED ALL DIMENSIONS PRIOR TO CONSTRUCTION
- SEE INTERIOR ELEVATIONS FOR ALL REQUIRED EGRESS SIGNAGE AND FIRE ALARM SYSTEM COMPONENTS
- WHEN RELOCATING OR REMOVING INTERIOR PARTITIONS (2) EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED. EXIT DOORS MUST BE SEPERATED BY A DISTANCE APART EQUAL TO OR NOT LESS THAN ONE-HALF OF THE MAXIMUM OVERALL DIAGONAL DIMENSION FOR ALL NONSPRINKLERED BUILDINGS. EXIT DOORS MUST BE SEPERATED BY A DISTANCE APART EQUAL TO OR NOT LESS THAN ONE-THIRD OF THE MAXIMUM OVERALL DIAGONAL DIMENSION FOR ALL SPRINKLERED BUILDINGS. ALL EXIT AND EXIT ACCESS DOORWAYS MUST COMPLY WITH CBC SECTION 1015 EXIT AND EXIT ACCESS DOORWAYS AND CBC SECTION 1016 EXIT ACCESS TRAVEL DISTANCE.
- OCCUPANCY LOAD SIGNS SHALL BE POSTING AND COMPLY WITH CBC SECTION 1004.3
- SEE ADDITIONAL PC FOR ACCESS RAMPS AND STAIRS. WHERE RAMP IS AGAINST THE WALL AT PLASTER EXTERIOR OR ADJACENT TO ANY ABRASIVE SURFACE THEN A SMOOTH TROWEL SURFACE MUST BE PROVIDED AT THESE LOCATIONS OR AN ALTERNATIVE APPLICATION THAT COMPLIES WITH CBC SECTION 11B-505.8
- ALL SURFACES ADJACENT TO HANDRAILS SHALL NOT HAVE ANY SHARP, ABRASIVE, OR PROTRUDING COMPONENTS
- ALL METAL RAILINGS AND CONNECTIONS SHALL HAVE A SMOOTH SURFACE WHICH EXTENDS 8" ABOVE THE HANDRAIL
- FOR PLASTER WALLS PROVIDE CONTROL JOINTS AT ALL MODLINES, ENDWALLS @ 2'-0" FROM EDGE, 10'-0" o/c @ SIDEWALLS, AND ABOVE AND BELOW ALL OPENING. SEE EXTERIOR ELEVATIONS. ALL MATERIALS, MEANS, METHODS, AND PROCEDURES OF CONSTRUCTION USED TO PROTECT JOINTS SHALL COMPLY WITH FIRE RATED WALL ASSEMBLY PER CBC SECTION 703.2 - FIRE RESISTANCE RATING AND CBC SECTION 705 - EXTERIOR WALLS
- FOR HVAC UNITS WHICH HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" AND LOCATED IN PEDESTRIAN PATH OF TRAVEL, A PROTECTION RAIL AROUND THE HVAC UNIT WILL BE PROVIDED. PER MNF INSTALLATION INSTRUCTIONS

2 A0.1 GENERAL NOTES

- MOISTURE PROTECTION INSULATION:**
- MATERIAL:**
 INSULATING MATERIAL FOR WALLS, CEILINGS, AND FLOORS SHALL BE FIBERGLASS BATTS (UNFACED) AND SHALL COMPLY WITH CBC 2016.
 (CLASS A = 0-25 FLAME SPREAD); SMOKE DEVELOPMENT DENSITY LESS THAN 450.
- INSULATION VALUES**
 SEE TITLE 24 SHEETS FOR REQUIRED INSULATION VALUES PER CLIMATE ZONE
- EXTERIOR WALL INSULATION (MIN.)**
 R-19 (2x6 STUD)
 R-19, CONTINUOUS R-4 (MTL STUD)
- INTERIOR WALL INSULATION (MIN.)**
 R-13
- FLOOR INSULATION (MIN.)**
 CONCRETE SLAB WITH R-11 FIBERGLASS INSULATION
- ROOF INSULATION (MIN.)**
 R-30 (EPDM)
 R-30 (STANDING SEAM)

3 Insulation Specs

EMERGENCY EXIT AND PANIC HARDWARE: INDICATE ON DRAWINGS AND SPECIFICATIONS COMPLIANCE WITH SFM STANDARD 12-10-3. SECTION 12-10-302. (a) THE CROSS BAR SHALL EXTEND ACROSS NOT LESS THAN ONE-HALF THE WIDTH OF THE DOOR/GATE. (d) THE ENDS OF THE CROSS-BAR SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS. PROVIDE CUT-SHEETS OF PANIC HARDWARE PROVIDE THE ASSEMBLY DESIGN NUMBER FOR ALL FIRE-RATED CONSTRUCTION COMPONENTS. INSTALLATION DETAILS MUST BE COORDINATED WITH THE DESIGN NUMBERS. CUSTOM DESIGNS WHICH COMBINE COMPONENTS FROM VARIOUS DESIGNS BUT HAVE NOT BEEN TESTED AS A LISTED ASSEMBLY WILL NOT BE ACCEPTABLE.



6 48x40 (Total Area 1920sf)

Room Number	Flooring		Wall Finish				Ceiling		Notes
	Floor	Base	Front	Left	Rear	Right	Type	Ht.	
CLASSROOM	Carp.	4" TS	Tack	Tack	Tack	Tack	CP	8'-6"	
CLASSROOM w/ PH	Carp.	4" TS	Tack	Tack	Tack	Tack	CP	8'-6"	
SINGLE OCC.	SV	6" TS	FRP	FRP	FRP	FRP	CP	8'-0"	
SINGLE OCC.	SV	SC	FRP	FRP	FRP	FRP	GBP	8'-0"	

Abbreviations:

FLOORING
 CARP: COMPLYING WITH GROUP 1; TYPE "A" OR TYPE "B"; CLASS 2; DENSITY 4600; DIRECT GLUE DOWN
 SV: SHEET VINYL FLOORING
 VCT: VINYL COMPOSITION TILE

BASE
 4" TS: 4" TOP SET BASE
 6" TS: 6" TOP SET BASE

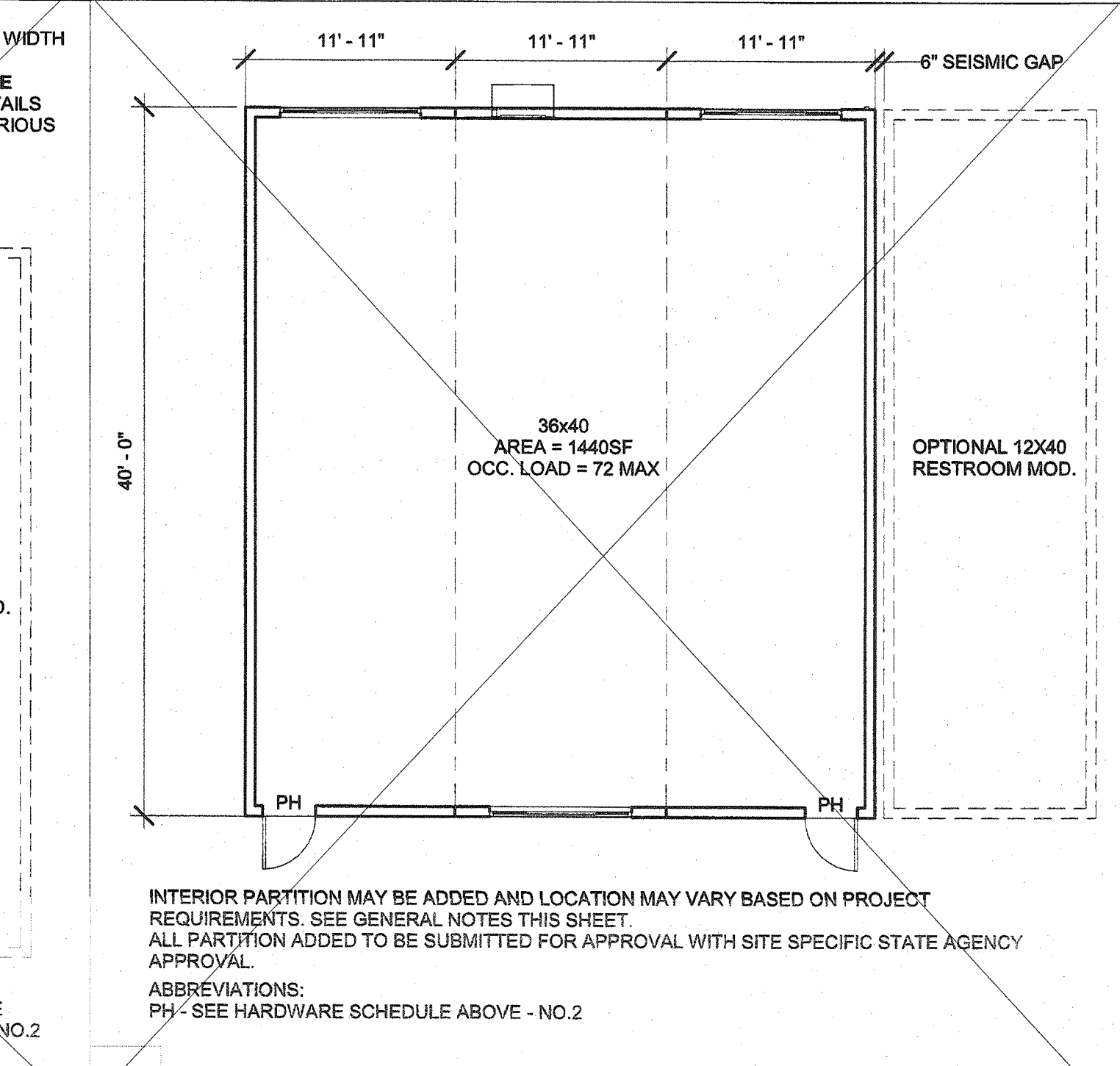
WALLS
 TACK: 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYPSUM BOARD BACKING
 FRP: 1/8" FIBER REINFORCED PANEL OVER 1/2" WATER RESISTANT GYPSUM BOARD
 GYP: 1/2" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
 PLY: 1/2" PLYWOOD FINISH
 NF: NO FINISH SC: 6" SELF-COVE BASE

CEILING
 CP: ACOUSTICAL LAY IN GRID CEILING PANELS
 HC: 5/8" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
 GBP: 1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)

Finishes Notes

- ALL FINISHES SHALL COMPLY WITH CBC, TITLE 19, AND C.F.C
- PER ASTM D2047 ALL FLOORING WITH A COEFFICIENT OF FRICTION OF A MINIMUM OF 0.6 WILL BE CONSIDERED TO OBTAIN THE INTENT OF A SLIP RESISTANCE SURFACE.
- FLOORING CONTRACTOR IS RESPONSIBLE FOR SUB-FLOORING PREPARATION. ALL PLYWOOD TO BE APA RATED AND COMPLY WITH PS-109. PLYWOOD SURFACE TO BE CARPETED IS TO BE PLUGGED AND SANDED BY FLOORING CONTRACTOR. ALL DEFORMITIES OCCURRING DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE PLUGGED AND SANDED BY FLOOR CONTRACTOR. MATELINE JOINTS TO BE A MAX OF 1/8" AND SHALL BE PLUGGED AND SANDED BY FLOORING CONTRACTORS.
- ALL CARPET AND FLOOR FINISH MUST COMPLY PER CBC SECTION 11B-302 FLOOR AND GROUND SURFACES. ALL CHANGES IN ELEVATION SHALL COMPLY WITH CBC SECTION 11B-303 CHANGES IN LEVELS

5 Finishes and Materials



4 36x40 (Total Area 1440sf)

Finish Schedule		Ceiling		Notes
Flooring	Wall Finish	Type	Ht.	
CLASSROOM	Carp.	4" TS	Tack	CP 8'-6"
CLASSROOM w/ PH	Carp.	4" TS	Tack	CP 8'-6"
SINGLE OCC.	SV	6" TS	FRP	CP 8'-0"
SINGLE OCC.	SV	SC	FRP	GBP 8'-0"

CHILD RESTROOM:
 LOCKSET BUTTS
 WEATHER STRIP THRESHOLD
 DOOR BOTTOM
 SCHLAGE ND75PDRH0626 (cylindrical)
 HAGER BB1191 4 1/2" x 4 1/2" NRP
 HAGER 891SAV 3684
 HAGER 413SA 36
 HAGER 783SAV 35N

DOOR w/ PANIC HARDWARE:
 EXIT DEVICE
 BUTTS
 CLOSER
 WEATHER STRIP THRESHOLD
 DOOR BOTTC
 VON DUPRIN 99L-2 w/ SCHLAGE RIM (cylindrical)
 HAGER BB1191 4 1/2" x 4 1/2" NRP
 NORTON 8501 BFDA
 HAGER 891SAV 3684
 HAGER 413SA 36
 HAGER 783SAV 35N

STAFF RESTROOM:
 LOCKSET BUTTS
 LOUVER
 SCHLAGE ND75PDRH0626 (cylindrical)
 HAGER BB1191 4 1/2" x 4 1/2" NRP
 ANEMO 24x12

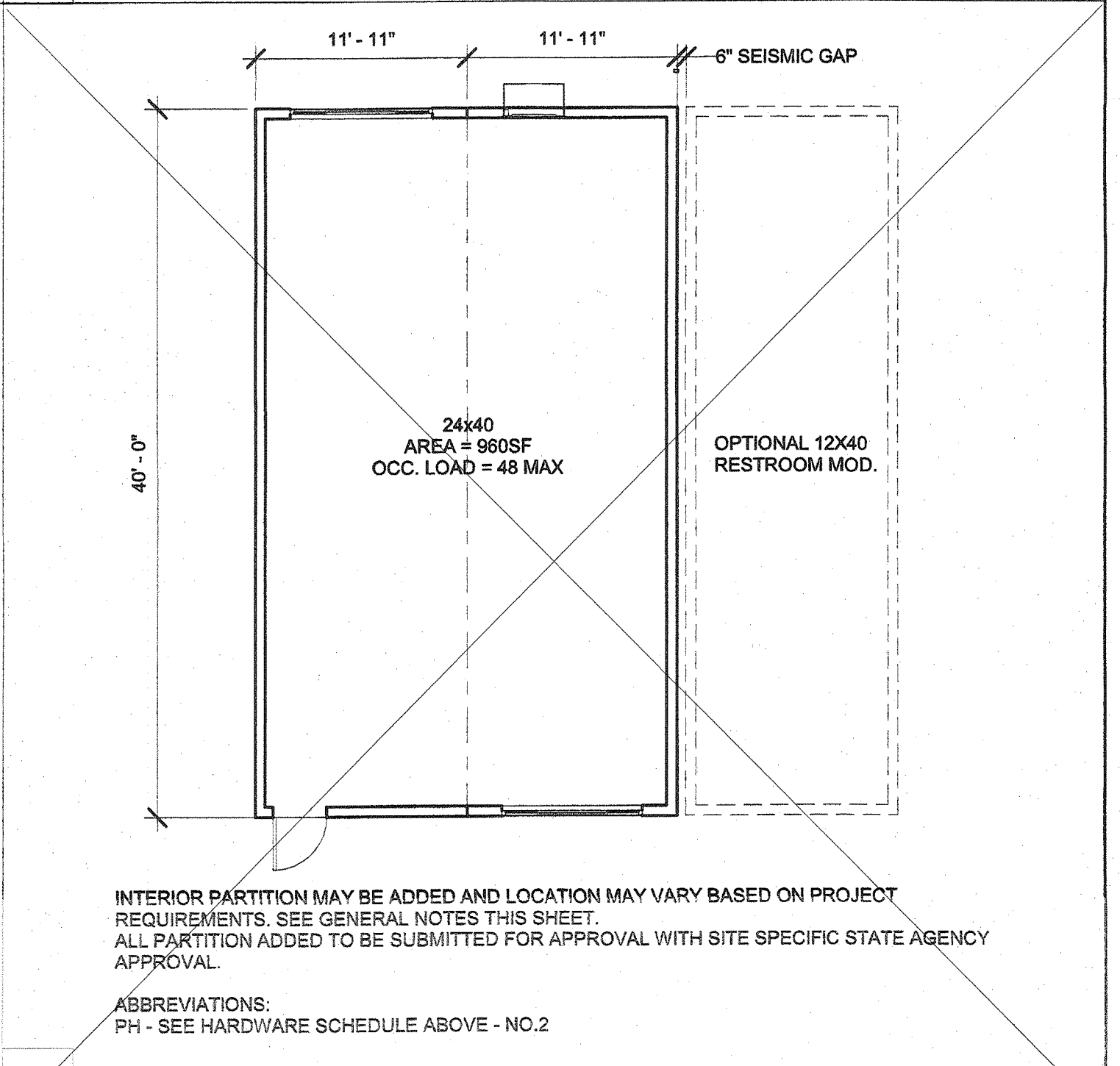
FOOD PREP:
 LOCKSET BUTTS
 SCHLAGE ND75PDRH0626 (cylindrical)
 HAGER BB1191 4 1/2" x 4 1/2" NRP

ELECT ROOM:
 LOCKSET BUTTS
 FLUSH BOLT
 SCHLAGE ND75PDRH0626 (cylindrical)
 HAGER BB1191 4 1/2" x 4 1/2" NRP
 TBD

OFFICE:
 LOCKSET BUTTS
 SCHLAGE ND75PDRH0626 (cylindrical)
 HAGER BB1191 4 1/2" x 4 1/2" NRP

NOTE: ALL CLASSROOM DOORS SHALL BE LOCKABLE FROM INSIDE

7 Door Hardware



1 24x40 (Total Area 960sf)

HARDWARE SCHEDULE

- EXTERIOR DOOR HW-1**
 Finish 26D or equal
 Finish 26D or equal
 Finish Alum or equal
 Finish Alum or equal
 Finish Alum or equal
- EXTERIOR DOOR HW-2**
 Finish Alum or equal
 Finish 26D or equal
 Finish 689 or equal
 Finish Alum or equal
 Finish Alum or equal
- EXTERIOR DOOR HW-3**
 Finish 26D or equal
 Finish 26D or equal
 Finish 689 or equal
 Finish Bronze or equal
- EXTERIOR DOOR HW-4**
 Finish 26D or equal
 Finish 26D or equal
- EXTERIOR DOOR HW-5**
 Finish 26D or equal
 Finish 26D or equal
 Finish 26D
- EXTERIOR DOOR HW-6**
 Finish 26D or equal
 Finish 26D or equal

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 12/19/2017

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CLIENT
CLASS LEASING LLC
 1221 Harley Knox Boulevard
 Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
 FILE NUMBER: PC-128
 IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 04 - 116504 INCR: 0
 AC, RM, FLS, EA, SSR, KER
 DATE 07/19/2018

PROJECT TITLE
24' x 40' EXPANDABLE TO 120' x 40'

PRE-CHECK (PC) DOCUMENT
 Code: [2016] CBC
 A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 04 119164
 ACS, FLS, H, SS
 DATE MAR 12 2019

Revision Schedule

#	Description	Date

SHEET TITLE
TYPICAL KEY PLAN AND SCHEDULES, GEN NOTES,

PROJECT NUMBER
 17016A

DRAWN BY
 rMc/SC

CHECKED BY
 JA/RT

DATE
 2017/06/05

SHEET NO.
A0.1

SHEET OF SHEETS

C:\Users\user\Documents\17016 - Aris - 24x40 PC - MainFile - Low Seismic - Len.rvt
 12/19/2017 1:11:55 PM

Advisory 1008.4.2 Clear Floor or Ground Space. Clear floor or ground spaces, turning spaces, and accessible routes are permitted to overlap within play areas. A specific location has not been designated for the clear floor or ground spaces or turning spaces, except swings, because each play component may require that the spaces be placed in a unique location. Where play components include a seat or entry point, designs that provide for an unobstructed transfer from a wheelchair or other mobility device are recommended. This will enhance the ability of children with disabilities to independently use the play component.

When designing play components with manipulative or interactive features, consider appropriate reach ranges for children seated in wheelchairs. The following table provides guidance on reach ranges for children seated in wheelchairs. These dimensions apply to either forward or side reaches. The reach ranges are appropriate for use with those play components that children seated in wheelchairs may access and reach. Where transfer systems provide access to elevated play components, the reach ranges are not appropriate.

Children's Reach Ranges

Forward or Side Reach	High (maximum)	Low (minimum)
Ages 3 and 4	36 in (915 mm)	20 in (510 mm)
Ages 5 through 8	40 in (1015 mm)	18 in (455 mm)
Ages 9 through 12	44 in (1120 mm)	16 in (405 mm)

CHAPTER 7: COMMUNICATION ELEMENTS AND FEATURES

702 Fire Alarm Systems
702.1 General. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (2015 edition) except that the maximum allowable sound level of audible notification appliances complying with section 4-3.2.1 of NFPA 72 (1999 edition) shall have a sound level no more than 110 dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with sections 4-3 and 4-4 of NFPA 72 (2016 edition)

703 Signs
703.1 General. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

703.2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background.

703.2.2 Case. Characters shall be uppercase.

703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.2.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 60 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.2.5 Character Height. Character height measured vertically from the baseline of the character shall be 5/8 inch (16 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "I".

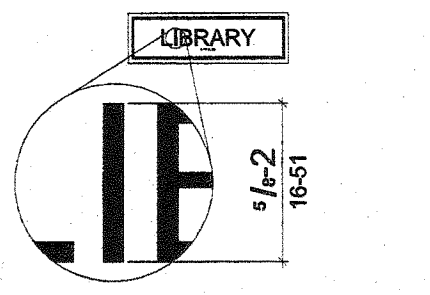


Figure 703.2.5 Height of Raised Characters

TABLE 11B-703.3.1 BRAILLE DIMENSIONS

MEASUREMENT RANGE	MINIMUM IN INCHES	MAXIMUM IN INCHES
Dot base diameter	0.059 (1.5 mm)	0.063 (1.6 mm)
Distance between two dots in the same cell ¹	0.100 (2.5 mm)	
Distance between corresponding dots in adjacent cells ¹	0.300 (7.6 mm)	
Dot height	0.025 (0.6 mm)	0.037 (0.9 mm)
Distance between corresponding dots from one cell directly below ¹	0.395 (10 mm) to 0.400 (10.2 mm)	

1. Measured center to center.

703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character.

703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

703.2.8 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.

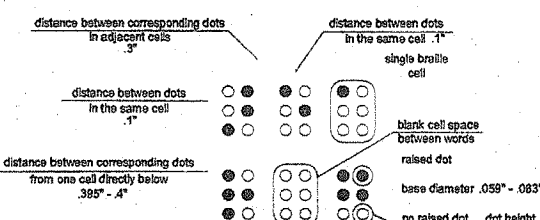


Figure 703.3.1 Braille Measurement

703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.

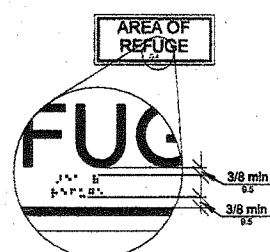


Figure 703.3.2 Position of Braille

703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

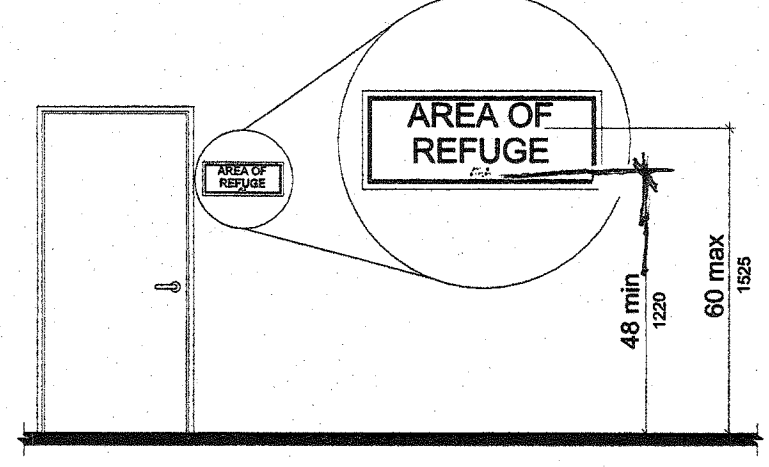


Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground

703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leaves, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

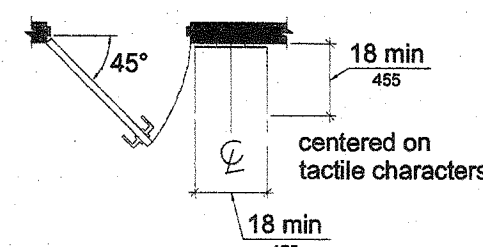


Figure 703.4.2 Location of Tactile Signs at Doors

703.5 Visual Characters. Visual characters shall comply with 703.5.

703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.

703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 60 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "I".

703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum above the finish floor or ground.

703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 30 percent maximum of the height of the character.

703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of character height.

703.5.9 Line Spacing. Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height.

703.6 Pictograms. Pictograms shall comply with 703.6.

703.6.1 Pictogram Field. Pictograms shall have a field height of 6 inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field.

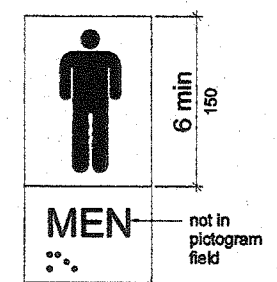
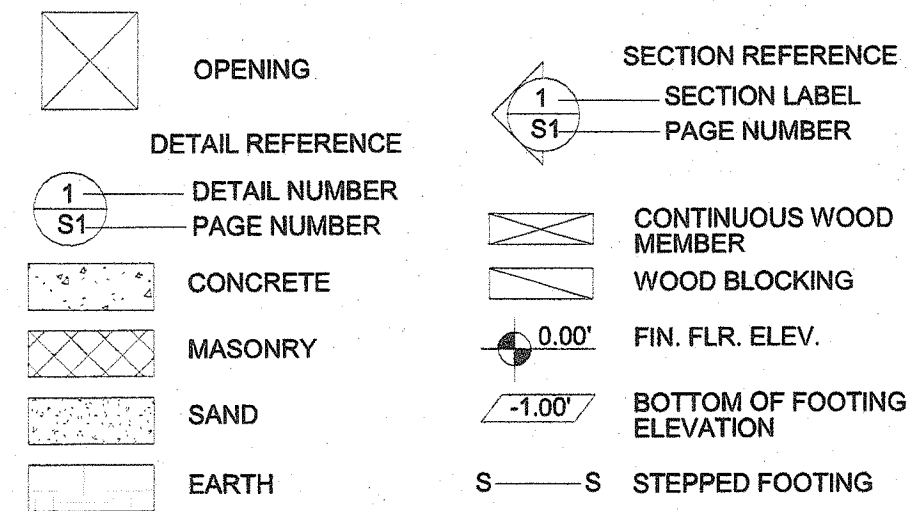
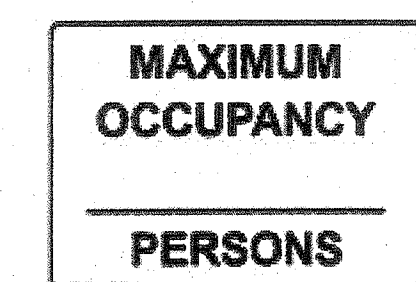


Figure 703.6.1 Pictogram Field dark-on-light



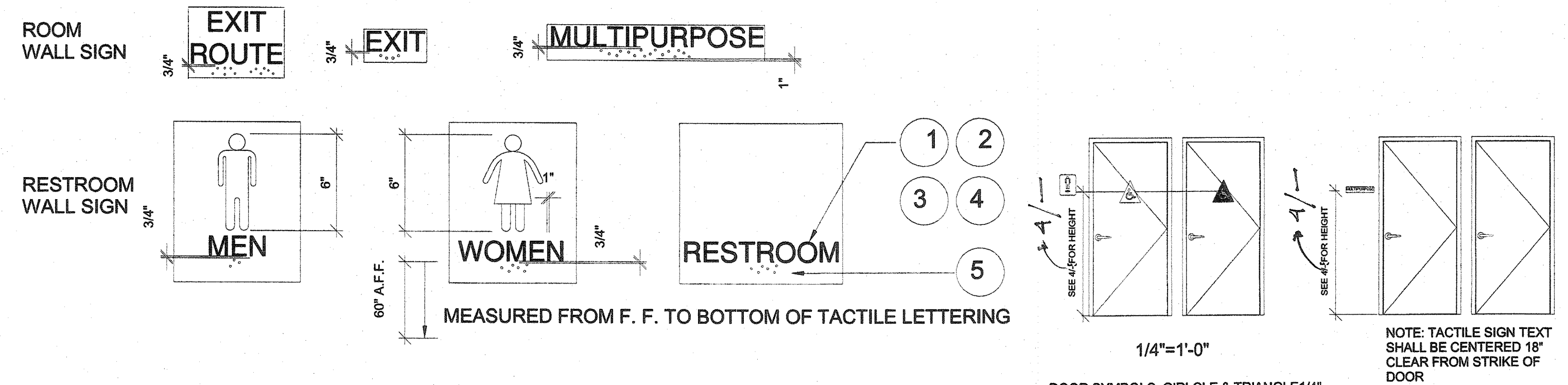
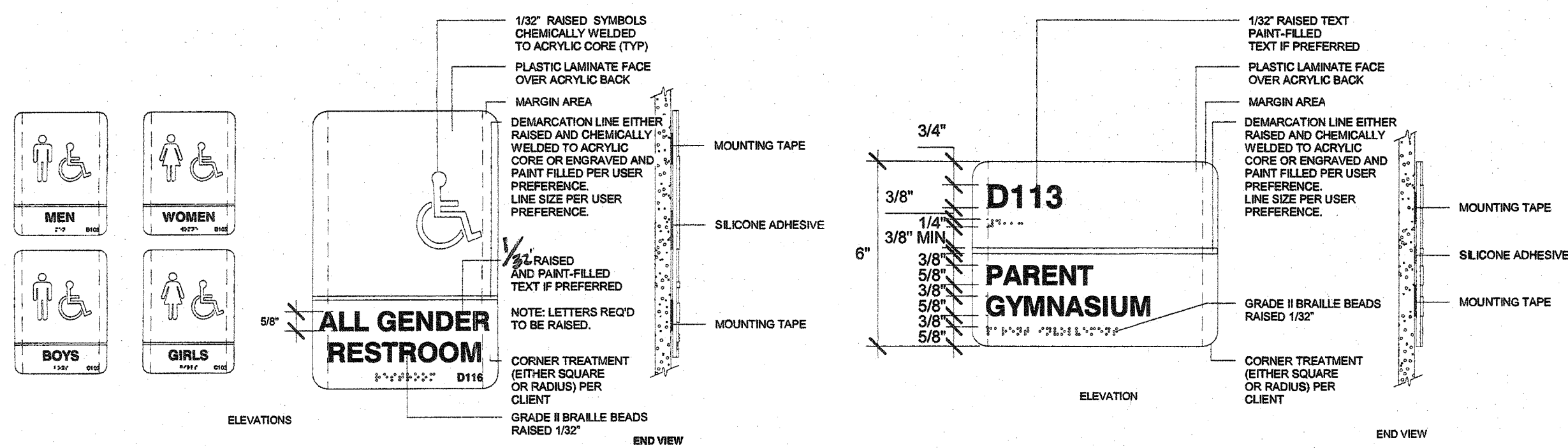
REQUIRED PER 11B-219 & 11B-706 (SEE FLOOR PLANS FOR MORE INFO)



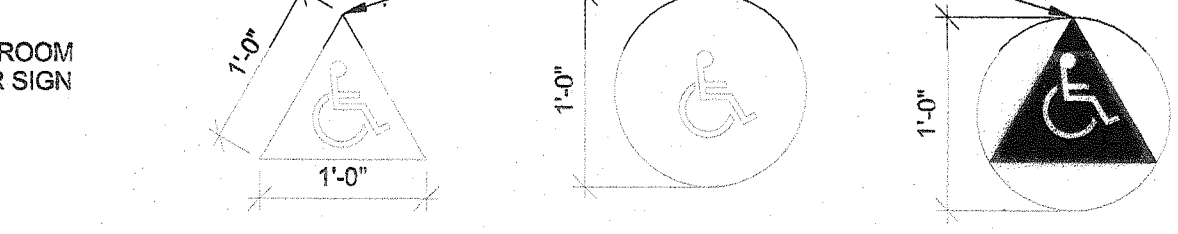
OCCUPANT LOAD SIGN REQUIRED PER DSA BU11-08.

EVERY ROOM OR SPACE WHICH IS USED FOR ASSEMBLY, CLASSROOM, DINING OR SIMILAR PURPOSES HAVING AN OCCUPANT LOAD OF 50 OR MORE SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY

5 1/4" = 1'-0" Sign Notes

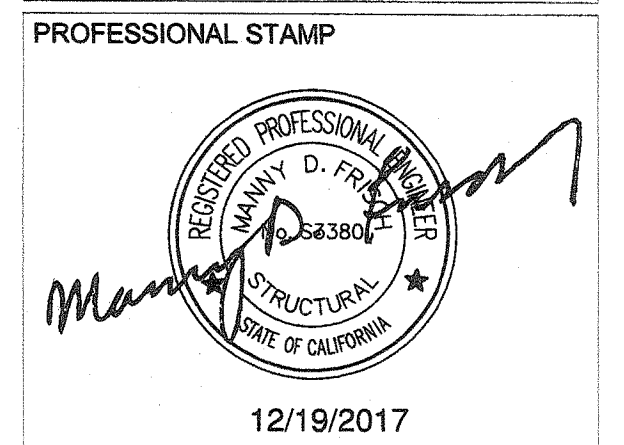
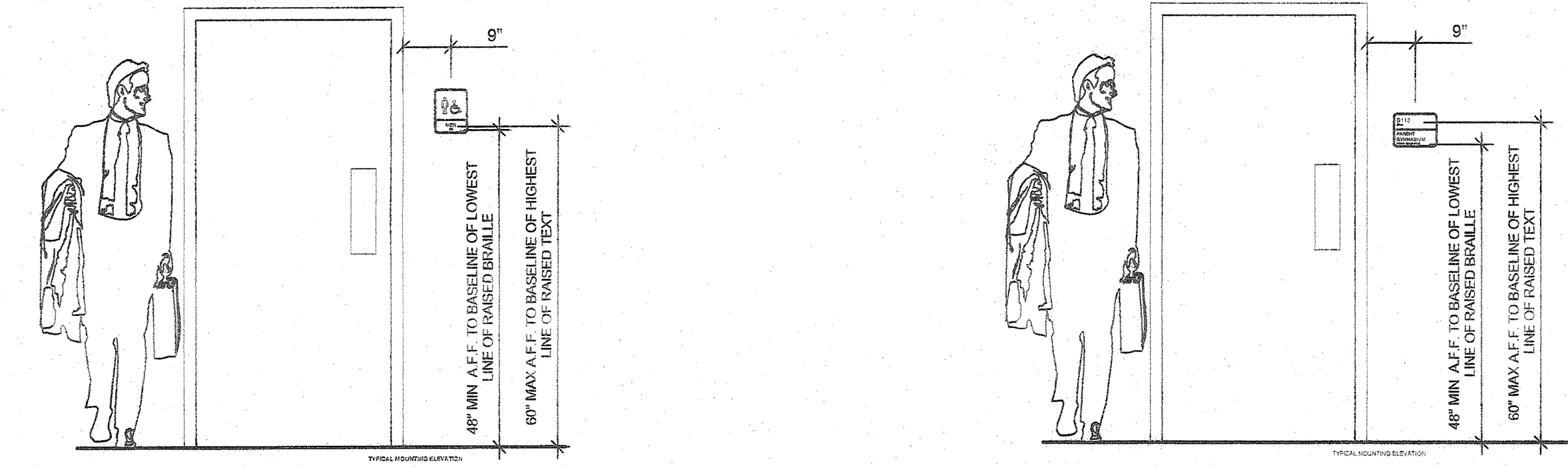


VERTICES SHALL BE 1/8" RADIUS
EDGES SHALL BE 1/16" ROUNDED

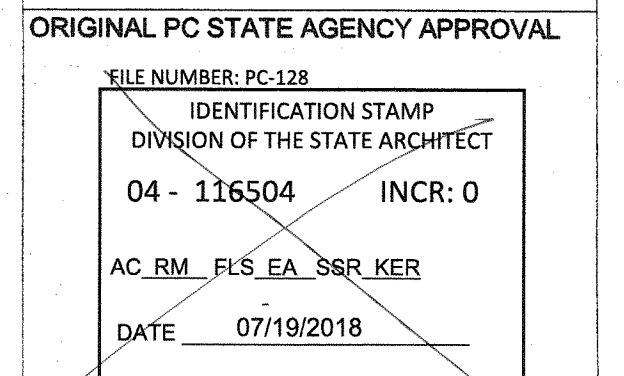


- CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCH MIN. AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2.
- RAISED CHARACTERS SHALL BE A MINIMUM OF 3/8 INCH AND A MAXIMUM OF 2 INCHES HIGH.
- CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH. 11B-703-5.1.
- TRIANGLE OR CIRCLE SMALL CONTRAST WITH DOOR. EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. 11B-703.7.2.6.1 AND 11B-703.2.2.6.2
- CHARACTERS ON SIGN SHALL HAVE A WIDTH-TO HEIGHT RATIO OF BETWEEN 3:5 AND 1:1:1 AND A STROKE WIDTH TO HEIGHT RATIO OF BETWEEN 1:5 AND 1:10. SEE 11B.703.2.4

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

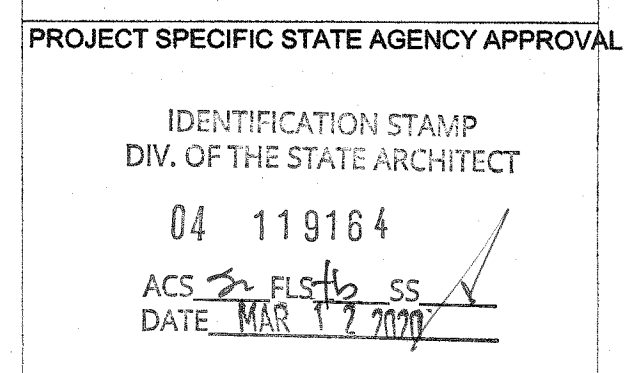


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PROJECT TITLE
24' x 40' EXPANDABLE TO 120' x 40'

PRE-CHECK (PC) DOCUMENT
Code: | 2016 | CBC
A separate project application for construction is required.



Revision Schedule

#	Description	Date

SHEET TITLE
SIGNAGE AND SYMBOLS

PROJECT NUMBER
17016A

DRAWN BY
rMc/SC

CHECKED BY
JA/RT

DATE
2017/06/05

SHEET NO.
A0.2

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.

Note: References are to the 2016 edition of the California Building Code (CBC) unless otherwise noted.

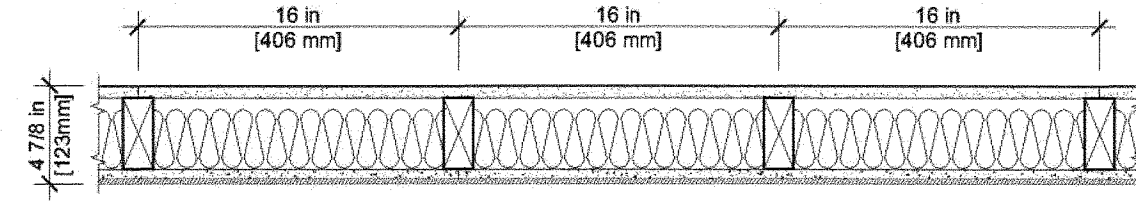
REQUIRED	TEST OR SPECIAL INSPECTION	TYPE	PERFORMED BY	CODE REFERENCE AND NOTES
+	SOILS			Table 1705A.3, ACI 318-14 Sections 26.12 & 26.13
+	CONCRETE			Table 1705A.3, ACI 318-14 Sections 26.12 & 26.13
+	MASONRY			TMS 402-13/ACI 530-13/ASCE 5-13 Table 3.1.3 & TMS 602-13/ACI 530-13/ASCE 6-13 Table 5
+	STEEL, ALUMINUM			Table 1705A.2.1, AISC 360-10, AISC 360-10, AISC 341-10, AISC 358-10, AISI S100-07/82-10
-	17. STRUCTURAL STEEL, COLD-FORMED STEEL, AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Material Verification:			
	a. Verify identification of all materials and:			
X	- Mill certificates indicate material properties that comply with requirements.	Periodic	SI	2203A.1 (2203.1), Table 1705A.2.1 Item 3a-3c; AISI S100-07/82-10 Section A2.1 & A2.2, AISI S200-12 Section A3, AISI S220-11 Section A4. * By special inspector or qualified technician when performed off-site.
X	- Material sizes, types and grades comply with requirements.	Test	LOR	2203A.1 (2203.1)
X	b. Test unidentified materials.	Test	LOR	2203A.1 (2203.1)
X	c. Examine seam welds of HSS shapes.	Periodic	SI	DSA IR 17-3.
	Inspection:			
d.	Not used.			
X	e. Verify and document steel fabrication per DSA approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
+	18. HIGH STRENGTH BOLTS:			RCSC 2009
-	19. WELDING:			1705A.2.5, Table 1705A.2.1 Items 4 & 5; DSA IR 17-3, AWS D1.1 and AWS D1.8 for structural steel, AWS D1.2 for Aluminum, AWS D1.3 for cold-formed steel, AWS D1.4 for reinforcing steel. (See Appendix for exemptions.)
	Verification of Materials, Equipment, Welders, etc.:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	DSA IR 17-3.
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
	Inspection:			
-	19.1 SHOP WELDING:			
X	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Item 5a1-4, Per AISC 360-10 (and AISC 341-10 as applicable), DSA IR 17-3.
X	b. Inspect single-pass fillet welds < 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.5 & 5a.6, Per AISC 360-10 (and AISC 341-10 as applicable), DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3.
X	d. Verification of reinforcing steel weldability other than ASTM A706.	Periodic	SI	1705A.3.1, verify carbon equivalent reported on mill certificates, AWS D1.4, DSA IR 17-3.
e.	Inspect welding of reinforcing steel.	Continuous	SI	1705A.3.1, Table 1705A.3 Item 2, and Table 1705A.2.1 Item 5b, 1903A.8, AWS D1.4, DSA IR 17-3.
-	19.2 FIELD WELDING:			
X	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Item 5a1-4, Per AISC 360-10 (and AISC 341-10 as applicable), DSA IR 17-3.
X	b. Inspect single-pass fillet welds < 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.5 & 5a.6, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3.
X	d. Verification of reinforcing steel weldability other than ASTM A706.	Periodic	SI	1705A.3.1, verify carbon equivalent reported on mill certificates, AWS D1.4, DSA IR 17-3.
e.	Inspect welding of reinforcing steel.	Continuous	SI	1705A.3.1, Table 1705A.3 Item 2, and Table 1705A.2.1 Item 5b, 1903A.8, AWS D1.4, DSA IR 17-3.
-	20. NONDESTRUCTIVE TESTING:			
X	a. Ultrasonic	Test	LOR	1705A.2.1 & 1705A.2.5, AISC 360-10 NS.5, AISC 341-10 App. Q 5.2, AWS D1.1, D1.8, ANSIA/SNT CP-189, SNT-TC-1A, DSA IR 17-2.
X	b. Magnetic Particle	Test	LOR	
	Inspection:			
d.	Not used.			
X	e. Verify and document steel fabrication per DSA approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
+	18. HIGH STRENGTH BOLTS:			RCSC 2009
-	19. WELDING:			1705A.2.5, Table 1705A.2.1 Items 4 & 5; DSA IR 17-3, AWS D1.1 and AWS D1.8 for structural steel, AWS D1.2 for Aluminum, AWS D1.3 for cold-formed steel, AWS D1.4 for reinforcing steel. (See Appendix for exemptions.)
	Verification of Materials, Equipment, Welders, etc.:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	DSA IR 17-3.
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
	Inspection:			
-	19.1 SHOP WELDING:			
X	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Item 5a1-4, Per AISC 360-10 (and AISC 341-10 as applicable), DSA IR 17-3.
X	b. Inspect single-pass fillet welds < 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.5 & 5a.6, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3.
X	d. Verification of reinforcing steel weldability other than ASTM A706.	Periodic	SI	1705A.3.1, verify carbon equivalent reported on mill certificates, AWS D1.4, DSA IR 17-3.
e.	Inspect welding of reinforcing steel.	Continuous	SI	1705A.3.1, Table 1705A.3 Item 2, and Table 1705A.2.1 Item 5b, 1903A.8, AWS D1.4, DSA IR 17-3.
-	19.2 FIELD WELDING:			
X	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Item 5a1-4, Per AISC 360-10 (and AISC 341-10 as applicable), DSA IR 17-3.
X	b. Inspect single-pass fillet welds < 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.5 & 5a.6, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3.
X	c. Inspect end-welded studs (ASTM A-108) installation (including bend test).	Periodic	SI	2213A.2 (2212.8.2), per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1, DSA IR 17-3.
d.	Inspect floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341 as applicable) & AWS D1.3, DSA IR 17-3.
e.	Inspect welding of structural cold-formed steel.	Periodic	SI*	1705A.2.5, AWS D1.3. * May be performed by the project inspector when specifically approved by DSA, DSA IR 17-3.
f.	Inspect welding of stairs and railing systems.	Periodic	SI*	1705A.2.1, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA, DSA IR 17-3.
g.	Verification of reinforcing steel weldability.	Periodic	SI	1705A.3.1, verify carbon equivalent reported on mill certificates, AWS D1.4, DSA IR 17-3.
h.	Inspect welding of reinforcing steel.	Continuous	SI	1705A.3.1, Table 1705A.3 Item 2, and Table 1705A.2.1 Item 5b, 1903A.8, AWS D1.4, DSA IR 17-3.
-	20. NONDESTRUCTIVE TESTING:			
X	a. Ultrasonic	Test	LOR	1705A.2.1 & 1705A.2.5, AISC 360-10 NS.5, AISC 341-10 App. Q 5.2, AWS D1.1, D1.8, ANSIA/SNT CP-189, SNT-TC-1A, DSA IR 17-2.
X	b. Magnetic Particle	Test	LOR	
	Inspection:			
d.	Not used.			
X	e. Verify and document steel fabrication per DSA approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
+	18. HIGH STRENGTH BOLTS:			RCSC 2009
-	19. WELDING:			1705A.2.5, Table 1705A.2.1 Items 4 & 5; DSA IR 17-3, AWS D1.1 and AWS D1.8 for structural steel, AWS D1.2 for Aluminum, AWS D1.3 for cold-formed steel, AWS D1.4 for reinforcing steel. (See Appendix for exemptions.)
	Verification of Materials, Equipment, Welders, etc.:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	DSA IR 17-3.
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
	Inspection:			
-	19.1 SHOP WELDING:			
X	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Item 5a1-4, Per AISC 360-10 (and AISC 341-10 as applicable), DSA IR 17-3.
X	b. Inspect single-pass fillet welds < 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.5 & 5a.6, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3.
X	d. Verification of reinforcing steel weldability other than ASTM A706.	Periodic	SI	1705A.3.1, verify carbon equivalent reported on mill certificates, AWS D1.4, DSA IR 17-3.
e.	Inspect welding of reinforcing steel.	Continuous	SI	1705A.3.1, Table 1705A.3 Item 2, and Table 1705A.2.1 Item 5b, 1903A.8, AWS D1.4, DSA IR 17-3.
-	19.2 FIELD WELDING:			
X	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Item 5a1-4, Per AISC 360-10 (and AISC 341-10 as applicable), DSA IR 17-3.
X	b. Inspect single-pass fillet welds < 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.5 & 5a.6, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3.
X	c. Inspect end-welded studs (ASTM A-108) installation (including bend test).	Periodic	SI	2213A.2 (2212.8.2), per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1, DSA IR 17-3.
d.	Inspect floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341 as applicable) & AWS D1.3, DSA IR 17-3.
e.	Inspect welding of structural cold-formed steel.	Periodic	SI*	1705A.2.5, AWS D1.3. * May be performed by the project inspector when specifically approved by DSA, DSA IR 17-3.
f.	Inspect welding of stairs and railing systems.	Periodic	SI*	1705A.2.1, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA, DSA IR 17-3.
g.	Verification of reinforcing steel weldability.	Periodic	SI	1705A.3.1, verify carbon equivalent reported on mill certificates, AWS D1.4, DSA IR 17-3.
h.	Inspect welding of reinforcing steel.	Continuous	SI	1705A.3.1, Table 1705A.3 Item 2, and Table 1705A.2.1 Item 5b, 1903A.8, AWS D1.4, DSA IR 17-3.
-	20. NONDESTRUCTIVE TESTING:			
X	a. Ultrasonic	Test	LOR	1705A.2.1 & 1705A.2.5, AISC 360-10 NS.5, AISC 341-10 App. Q 5.2, AWS D1.1, D1.8, ANSIA/SNT CP-189, SNT-TC-1A, DSA IR 17-2.
X	b. Magnetic Particle	Test	LOR	
	Inspection:			
d.	Not used.			
X	e. Verify and document steel fabrication per DSA approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
+	18. HIGH STRENGTH BOLTS:			RCSC 2009
-	19. WELDING:			1705A.2.5, Table 1705A.2.1 Items 4 & 5; DSA IR 17-3, AWS D1.1 and AWS D1.8 for structural steel, AWS D1.2 for Aluminum, AWS D1.3 for cold-formed steel, AWS D1.4 for reinforcing steel. (See Appendix for exemptions.)
	Verification of Materials, Equipment, Welders, etc.:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	DSA IR 17-3.
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
	Inspection:			
-	19.1 SHOP WELDING:			
X	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Item 5a1-4, Per AISC 360-10 (and AISC 341-10 as applicable), DSA IR 17-3.
X	b. Inspect single-pass fillet welds < 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.5 & 5a.6, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3.
X	d. Verification of reinforcing steel weldability other than ASTM A706.	Periodic	SI	1705A.3.1, verify carbon equivalent reported on mill certificates, AWS D1.4, DSA IR 17-3.
e.	Inspect welding of reinforcing steel.	Continuous	SI	1705A.3.1, Table 1705A.3 Item 2, and Table 1705A.2.1 Item 5b, 1903A.8, AWS D1.4, DSA IR 17-3.
-	19.2 FIELD WELDING:			
X	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Item 5a1-4, Per AISC 360-10 (and AISC 341-10 as applicable), DSA IR 17-3.
X	b. Inspect single-pass fillet welds < 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.5 & 5a.6, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3.
X	c. Inspect end-welded studs (ASTM A-108) installation (including bend test).	Periodic	SI	2213A.2 (2212.8.2), per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1, DSA IR 17-3.
d.	Inspect floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341 as applicable) & AWS D1.3, DSA IR 17-3.
e.	Inspect welding of structural cold-formed steel.	Periodic	SI*	1705A.2.5, AWS D1.3. * May be performed by the project inspector when specifically approved by DSA, DSA IR 17-3.
f.	Inspect welding of stairs and railing systems.	Periodic	SI*	1705A.2.1, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA, DSA IR 17-3.
g.	Verification of reinforcing steel weldability.	Periodic	SI	1705A.3.1, verify carbon equivalent reported on mill certificates, AWS D1.4, DSA IR 17-3.
h.	Inspect welding of reinforcing steel.	Continuous	SI	1705A.3.1, Table 1705A.3 Item 2, and Table 1705A.2.1 Item 5b, 1903A.8, AWS D1.4, DSA IR 17-3.
-	20. NONDESTRUCTIVE TESTING:			
X	a. Ultrasonic	Test	LOR	1705A.2.1 & 1705A.2.5, AISC 360-10 NS.5, AISC 341-10 App. Q 5.2, AWS D1.1, D1.8, ANSIA/SNT CP-189, SNT-TC-1A, DSA IR 17-2.
X	b. Magnetic Particle	Test	LOR	
	Inspection:			
d.	Not used.			
X	e. Verify and document steel fabrication per DSA approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
+	18. HIGH STRENGTH BOLTS:			RCSC 2009
-	19. WELDING:			1705A.2.5, Table 1705A.2.1 Items 4 & 5; DSA IR 17-3, AWS D1.1 and AWS D1.8 for structural steel, AWS D1.2 for Aluminum, AWS D1.3 for cold-formed steel, AWS D1.4 for reinforcing steel. (See Appendix for exemptions.)
	Verification of Materials, Equipment, Welders, etc.:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	DSA IR 17-3.
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
	Inspection:			
-	19.1 SHOP WELDING:			
X	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Item 5a1-4, Per AISC 360-10 (and AISC 341-10 as applicable), DSA IR 17-3.
X	b. Inspect single-pass fillet welds < 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.5 & 5a.6, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3.
X	d. Verification of reinforcing steel weldability other than ASTM A706.	Periodic	SI	1705A.3.1, verify carbon equivalent reported on mill certificates, AWS D1.4, DSA IR 17-3.
e.	Inspect welding of reinforcing steel.	Continuous	SI	1705A.3.1, Table 1705A.3 Item 2, and Table 1705A.2.1 Item 5b, 1903A.8, AWS D1.4, DSA IR 17-3.
-	19.2 FIELD WELDING:			
X	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	Continuous	SI	Table 1705A.2.1 Item 5a1-4, Per AISC 360-10 (and AISC 341-10 as applicable), DSA IR 17-3.
X	b. Inspect single-pass fillet welds < 5/16", floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.5 & 5a.6, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3.
X	c. Inspect end-welded studs (ASTM A-108) installation (including bend test).	Periodic	SI	2213A.2 (2212.8.2), per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1, DSA IR 17-3.
d.	Inspect floor and roof deck welds.	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.6, per AISC 360 (and AISC 341 as applicable) & AWS D1.3, DSA IR 17-3.
e.	Inspect welding of structural cold-formed steel.	Periodic	SI*	1705A.2.5, AWS D1.3. * May be performed by the project inspector when specifically approved by DSA, DSA IR 17-3.
f.	Inspect welding of stairs and railing systems.	Periodic	SI*	1705A.2.1, Per AISC 360-10 (and AISC 341-10 as applicable), AWS D1.1 & D1.3, DSA IR 17-3. *

CAL GREEN NOTES

CONSTRUCTION WASTE MANAGEMENT

PER 2016 CALGREEN CODE SECTION 5.408.1
CONSTRUCTION WASTE MANAGEMENT MEETS THE FOLLOWING CALGREEN REQUIREMENTS:
I- PERCENTAGE OF WASTE TO BE SALVAGED OR RECYCLED WITH A MINIMUM OF 65% OF NON-HAZARDOUS CONSTRUCTION WASTE.

II- THE CONSTRUCTION AND DEMOLITION MATERIALS WILL BE HANDLED BY A MATERIAL RECOVERY FACILITY (MRF) PROCESSED AND DIVERTED AS NEEDED. THE PROCESS IN PLACE GENERALLY YIELD A 75% OR BETTER DIVERSION RATE.



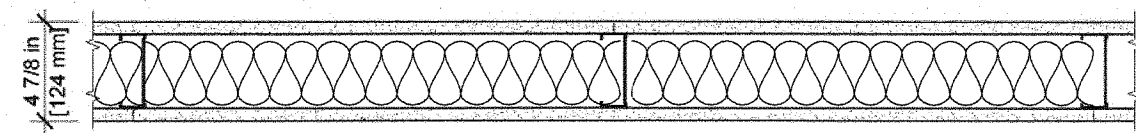
UL U329 or GAP WP 3441
Interior Partitions -
Wood Stud

Fire Rating
1 hr.

STC
40 MIN.

Thickness (in.)
4-7/8"

- * Gypsum Board - 5/8 in. thick board, applied horizontally or vertically
- * Wood Studs - 2 in. x 4 in. wood studs spaced max. 16 in. o/c
- * Batts and Blankets - Min. 3-1/2 in. thick mineral wool batt insulation
- * Cement Board - 1/2 in. thick board, applied horizontally or vertically
- * Bond Coat for Setting Tile - Latex modified portland cement mortar or . 1 type 1 organic adhesive applied with a notched trowel
- * Ceramic Tile - 1/4 in. thick ceramic tile



Fire Test
UL U485
Steel Stud (Non-loadbearing)
Interior Partitions
Sound Test: RAL-TL11-125

Fire Rating
1 hr.

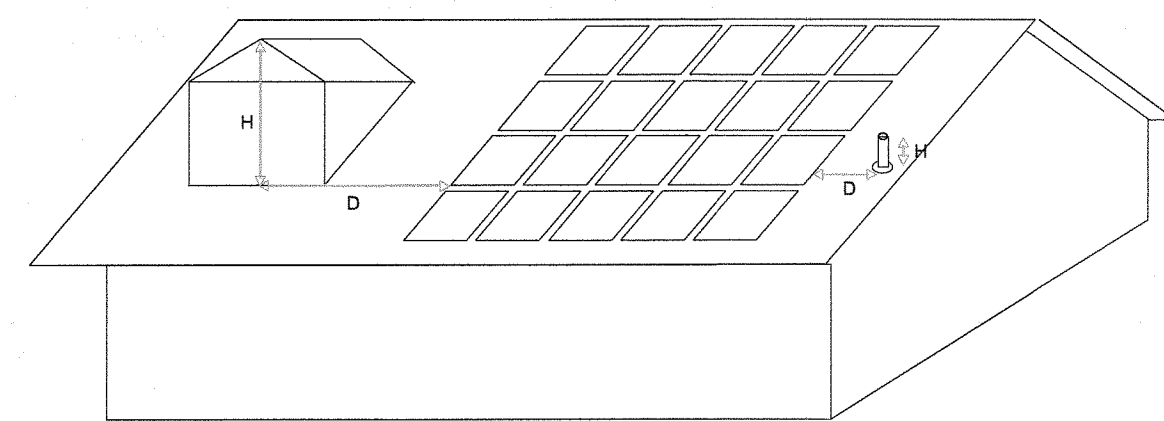
STC
40 MIN.

Thickness (in.)
4-7/8"

- * Gypsum Board - 5/8 in. thick board, applied vertically, attached to studs with 1 in. long, Type S-12 screws, spaced 8 in. o/c along the edges and 12 in. o/c of the board - SHEETROCK Brand Firecode Core (Type X)
- * Steel Studs - 3-5/8 in. wide min. 25 gauge steel. Attached to floor and ceiling with fasteners, 24 in o/c - 362S125-18
- * Gypsum Board - 5/8 in. thick gypsum board applied vertically or horizontally - SHEETROCK Brand FIRECODE Core (Type X)
- * Batts and Blankets - Min. 3-1/2 in. thick mineral wool batt insulation

Moisture control. Exterior door protection:
Nonabsorbent flooring indicated on floor plan, and nonabsorbent interior wall finish indicated on interior elevations.

See sheets A1.0, A1.1, and A1.2 for door protection
See sheet A5.2 for wall finishes

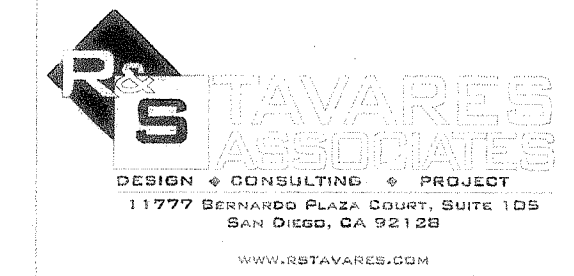


Source: California Energy Commission

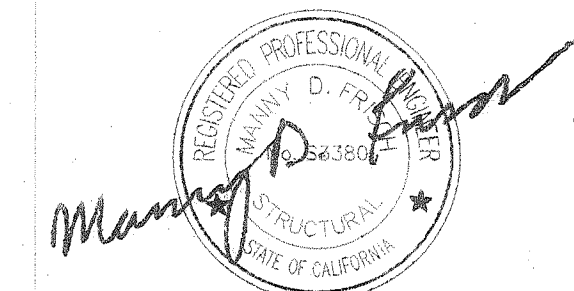
Any obstruction, located on the roof or any other part of the building that projects above the solar zone shall be located at a sufficient horizontal distance away from the solar zone, in order to reduce the resulting shading of the solar zone. For each obstruction, the horizontal distance ("D") from the obstruction to the solar zone shall be at least two times the height difference ("H") between the highest point of the obstruction and the horizontal projection of the nearest point of the solar zone.

$$D \geq 2 \times H$$

SECTION	SHEET	2016 CALGREEN AND ENERGY CODE COMPLIANCE CHECKLIST FOR PRE-CHECKED (PC) PERMANENT AND MODULAR RELOCATABLE BUILDING DESIGNS				
WATER EFFICIENCY						
5.303.3	P1.0	WATER CONSERVING PLUMBING FIXTURES AND FITTINGS: PLUMBING FIXTURE FLOW RATES ARE SHOWN ON PLUMBING FIXTURE SCHEDULE.				
MATERIAL CONSERVATION & RESOURCE EFFICIENCY						
5.407.2.2	A1.0-1.2	WATER RESISTANCE AND MOISTURE MANAGEMENT: PLANS AND FRISHT SCHEDULES SHOW THE LOCATION OF THE MINIMUM REQUIRED INTERIOR DOOR PROTECTION AND INDICATE THE NON-ABSORBENT FLOOR AND WALL FINISHES TO BE INSTALLED 2 FEET AROUND AND PERPENDICULAR TO THE PRIMARY ENTRANCES.				
5.407.2.2	A1.0-1.2	AREAS AND SECTIONS INDICATE THE MINIMUM EXTERIOR DOOR PROTECTION WITH THE LOCATION AND DETAILS FOR A 4 FEET DEEP AWNING, ROOF OVERHANG, RECESSED AREA, OR OTHER APPROPRIATE METHOD AT THE PRIMARY ENTRANCES.				
5.407.2.2	A4.1.1-4.3	ROOF PLANS AND DETAILS INDICATE FLASHINGS INTEGRATED WITH A DRAINAGE PLANE.				
5.408.1	PDF	CONSTRUCTION WASTE MANAGEMENT: PROVIDE A LETTER FROM THE LOCAL WASTE AND RECYCLING FACILITY USED BY THE MANUFACTURER WHICH SPECIFIES A CONSTRUCTION WASTE MANAGEMENT PLAN IDENTIFYING: <input checked="" type="checkbox"/> RECYCLES AND/OR SALVAGES FOR REUSE A MINIMUM OF 65% OF THE NON-HAZARDOUS CONSTRUCTION WASTE. <input checked="" type="checkbox"/> THE CONSTRUCTION WASTE MATERIALS TO BE DIVERTED FROM DISPOSAL BY EFFICIENT USAGE, RECYCLING, REUSE ON THE PROJECT, OR SALVAGED FOR FUTURE USE OR <input checked="" type="checkbox"/> SPECIFIES IF CONSTRUCTION WASTE MATERIALS WILL BE SORTED ON-SITE OR BULK MOVED. <input checked="" type="checkbox"/> DIVERSION FACILITY WHERE CONSTRUCTION WASTE WILL BE TAKEN. <input checked="" type="checkbox"/> SPECIFIES IF THE AMOUNT OF CONSTRUCTION WASTE IS CALCULATED BY WEIGHT OR VOLUME. <input checked="" type="checkbox"/> WASTE MANAGEMENT COMPANY IS ABLE TO PROVIDE VERIFIABLE DOCUMENTATION THAT 85% OF CONSTRUCTION WASTE MATERIAL WILL BE DIVERTED.				
ENVIRONMENTAL QUALITY						
5.504.4	POLLUTANT CONTROL					
5.504.4.1	A0.5	ADHESIVES, SEALANTS AND CAULKS				
		FINISH	WHERE USED (TYPE)	MANUFACTURER/SPECIFICATION	VOC	VOC LIMIT (GPI)
5.504.4.2	A0.5	Indoor Carpet Adhesives	NuRoad/Lox, Mohawk Inc.	NuRoad/Lox, Mohawk Inc.	0	50
5.504.4.2	A0.5	Carpet Pad Adhesives	N/A	Henry 440	0	50
5.504.4.3	A0.5	Concrete Adhesives	Henry Base	Liquid Nails - Heavy Duty construction adhesive	70	70
5.504.4.4	A0.5	Contact Adhesive	General	Henkel - Loctite Light Cure	20	70
5.504.4.2	A0.5	Contact Adhesive	General	Henkel - Loctite Light Cure	20	70
5.504.4.1	A0.5	Architectural 1	Exterior	Sherwin Williams - 850A White	33	250
5.504.4.1	A0.5	Architectural 2	Exterior	Sherwin Williams - Sharnax clear	18	250
5.504.4.1	A0.5	Single ply roof Membrane	Roof Caulk/Sealer	Tremco - Future Patch Sealant	8	450
5.504.4.3	A0.5	PAINTS AND COATINGS				
		FINISH	WHERE USED (TYPE)	MANUFACTURER/SPECIFICATION	VOC	VOC LIMIT (GPI)
5.504.4.3.1	A0.5	Almond Spray Flat Paint	Painted Surface	Kolon	<50	50
5.504.4.3	A0.5	Flat Coatings 1	Painted Surface	Sherwin Williams - Pro Mar 200 Zero	50	50
5.504.4.3	A0.5	Flat Coatings 2	Painted Surface	Dunn Edwards Paints - Acra Hue	40	50
5.504.4.3	A0.5	Flat Coatings 3	Painted Surface	Vista Paints	50	50
		Wall Material 1	FRP Wall Covering	Grassco		
		Wall Material 1	Tackable Wall (Non-absorbent)	Chaffield Clarke		
5.504.4.4	A0.5	CARPET SYSTEMS				
		FINISH	MANUFACTURER	CERTIFICATION ORGANIZATION		
5.504.4.4	A0.5	Carpet	Mohawk Carpets	Carpet & Rug Institute - Green Label Plus Program		
5.504.4.5	HARDWOOD PLYWOOD, PARTICLEBOARD, FIBERBOARD WOOD PRODUCTS					
		FINISH	WHERE USED (TYPE)	MANUFACTURER/SPECIFICATION	FORMALDEHYDE EMISSIONS	FORMALDEHYDE LIMIT
5.504.4.5	A0.5	Plywood	Roof / Floor	APA Rated	<0.5	0.05
5.504.4.6	A0.5	RESILIENT FLOORING SYSTEMS				
		FINISH	MANUFACTURER	CERTIFICATION ORGANIZATION		
5.504.4.6	A0.5	Vinyl Composition Tile Flooring	Armstrong / Imperial	CA Dept. of Public Health's 2010 Standard Method for the Testing		
	A0.5	Sheet Vinyl Flooring	Mannington	CA Dept. of Public Health's 2010 Standard Method for the Testing		
		FRP Wall Covering	Grassco	CA Dept. of Public Health's 2010 Standard Method for the Testing		
		Tackable Wall	Chaffield Clarke	CA Dept. of Public Health's 2010 Standard Method for the Testing		
FILTER SPECIFICATION:						
5.504.3	M0.1	COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION AND SHIPMENT.				
5.504.3	M0.1	MECHANICAL SPECIFICATION OR NOTE INCLUDES INFORMATION REGARDING A MINIMUM MERV 8 FILTERS) OR HIGHER.				
INDOOR MOISTURE CONTROL:						
		<input checked="" type="checkbox"/> ATTIC IS UNVENTED				
5.507.4	ENVIRONMENTAL COMFORT:					
		EXTERIOR NOISE TRANSMISSION: <input checked="" type="checkbox"/> NOTE ON COVERSHEET THAT STATES - "THIS PC WILL NOT BE PLACED IN ANY OF THE FOLLOWING LOCATIONS: 1- WITHIN THE 65 CNEL NOISE CONTOUR OF AN AIRPORT; 2- WITHIN THE 65 CNEL OR LOW NOISE CONTOUR OF A FREEWAY, EXPRESSWAY, RAILROAD, OR INDUSTRIAL SOURCE GUIDEWAY; 3- WHERE EXPOSED TO NOISE LEVEL OF 65 DB LEQ-1HR DURING ANY HOUR OF OPERATION."				
5.507.4.3	A0.5	INTERIOR SOUND TRANSMISSION: INTERIOR WALLS MEET MINIMUM 46 STC				
5.508.1	OUTDOOR AIR QUALITY:					
5.508.1	M0.1	HVAC EQUIPMENT DOES NOT CONTAIN CFCs OR HALONS.				

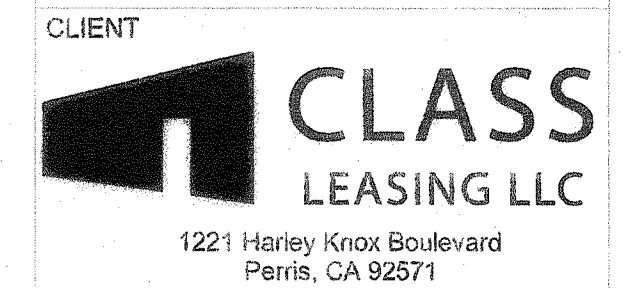


PROFESSIONAL STAMP

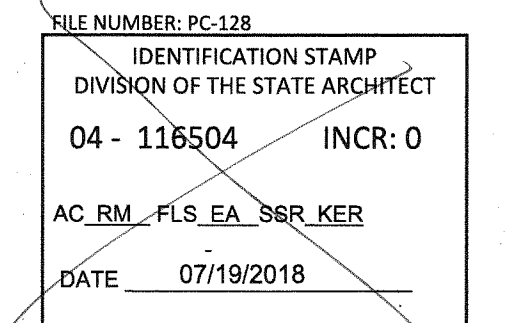


12/19/2017

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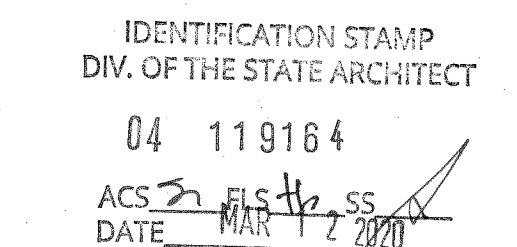
ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE
24' x 40'
EXPANDABLE TO
120' x 40'

PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule
Description Date

SHEET TITLE
CALGREEN SPEC'S

PROJECT NUMBER
17016A

DRAWN BY
rMc/SC

CHECKED BY
JA/RT

DATE
2017/06/05

SHEET NO.
A0.5

SHEET OF SHEETS

PROFESSIONAL STAMP



12/19/2017

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CLIENT
CLASS LEASING LLC
 1221 Harley Knox Boulevard
 Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

FILE NUMBER: PC-128
 IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 04 - 116504 INCR: 0
 AC, RM, PLS, EA, SBR, KER
 DATE: 07/19/2018

PROJECT TITLE

**24' x 40'
 EXPANDABLE TO
 120' x 40'**

PRE-CHECK (PC) DOCUMENT

Code: [2016] CBC
 A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 04 119164
 ACS, RM, PLS, EA, SS
 DATE: MAR 17 2018

Revision Schedule

#	Description	Date
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SHEET TITLE
36x40 FLOOR PLAN

PROJECT NUMBER
 17016A

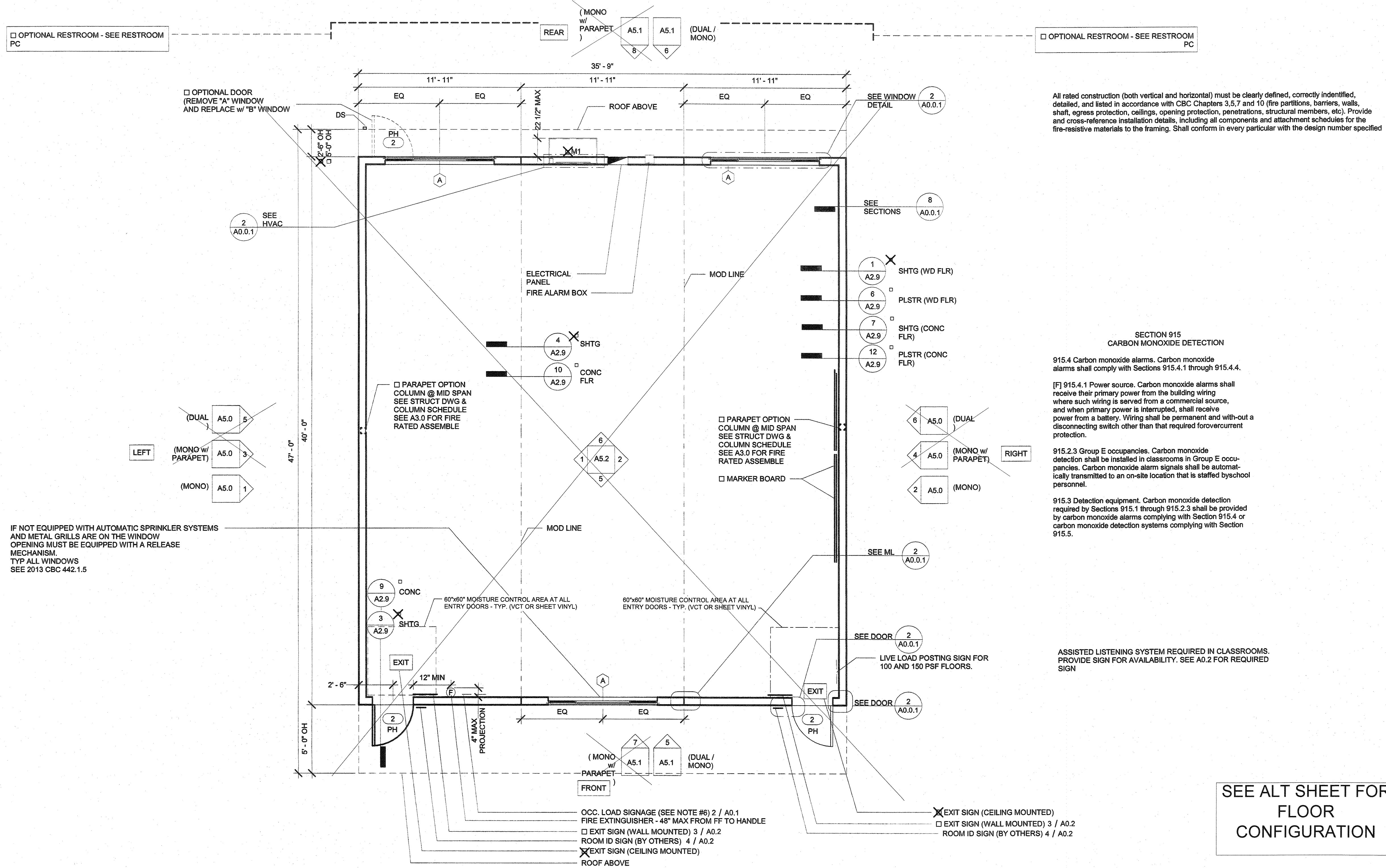
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CHECKED BY
 JA/RT

DATE
 2017/06/05

SHEET NO.
A1.1

SHEET OF SHEETS



1 1/4" = 1'-0" 36x40 Floor Plan

Wall Schedule		
Stud Size	Sheet	Notes
<input checked="" type="checkbox"/> Wood Wall Stud	S4.5	
<input type="checkbox"/> Mt'l Wall Stud	S4.5	CONTINUOUS EXT R-4 INSULATION

Fire Rating Schedule			
Rating	Sheet	Notes	
<input type="checkbox"/> 1 HOUR - SIDING OVER WD STUDS	A2.5	WP#8105	
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.6	PER-CBC-TABLE 721.1(2)	
<input type="checkbox"/> 1 HOUR - SIDING OVER STL STUDS	A2.7	WP#8006	
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS	A2.8	PER-CBC-TABLE 721.1(2)	

Ext. Finish Schedule		
Finishes	Sheet	Notes
<input type="checkbox"/> SIDING OVER WD STUDS	A2.1	
<input checked="" type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.2	
<input type="checkbox"/> SIDING OVER STL STUDS	A2.3	
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS	A2.4	

Roofing Schedule			
"SLOPE"	EDPM	Standing Seam	Parapet
Dual	<input type="checkbox"/> A4.2.2	<input type="checkbox"/> A4.0.2	N/A
Mono	<input type="checkbox"/> A4.2.1	<input checked="" type="checkbox"/> A4.0.1	<input type="checkbox"/> A4.4.1

5 1/4" = 1'-0" Wall Schedule

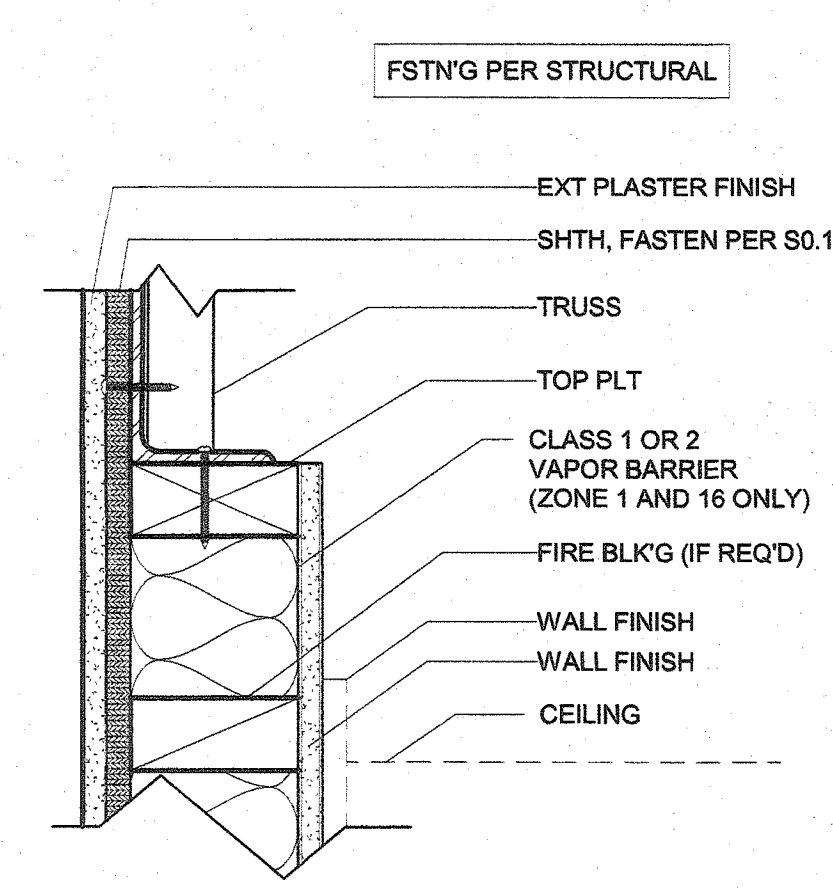
4 1/4" = 1'-0" Fire Rating Schedule

3 1/4" = 1'-0" Ext. Finish Schedule

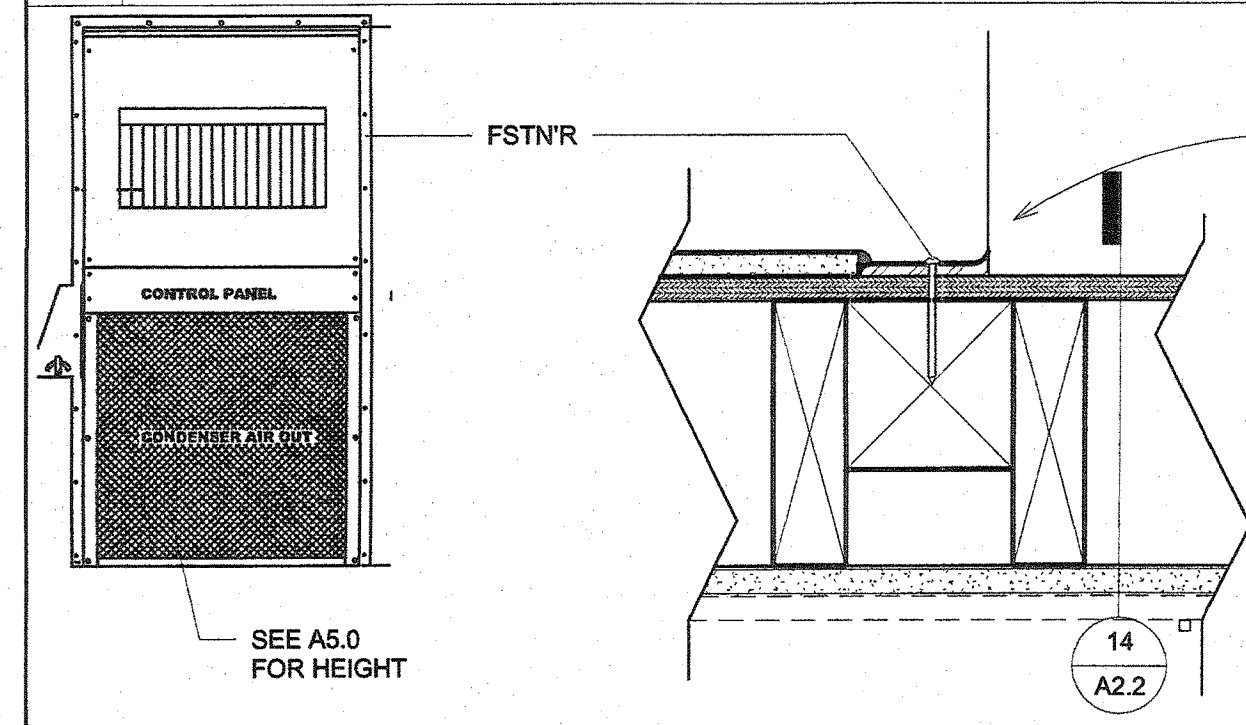
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EXTERIOR WALL FINISH:
(CBC SECTION 707A.3) NON
COMBUSTABLE CEMENT FIBER
SIDING, ("LP SMARTSIDE" OR EQUAL)

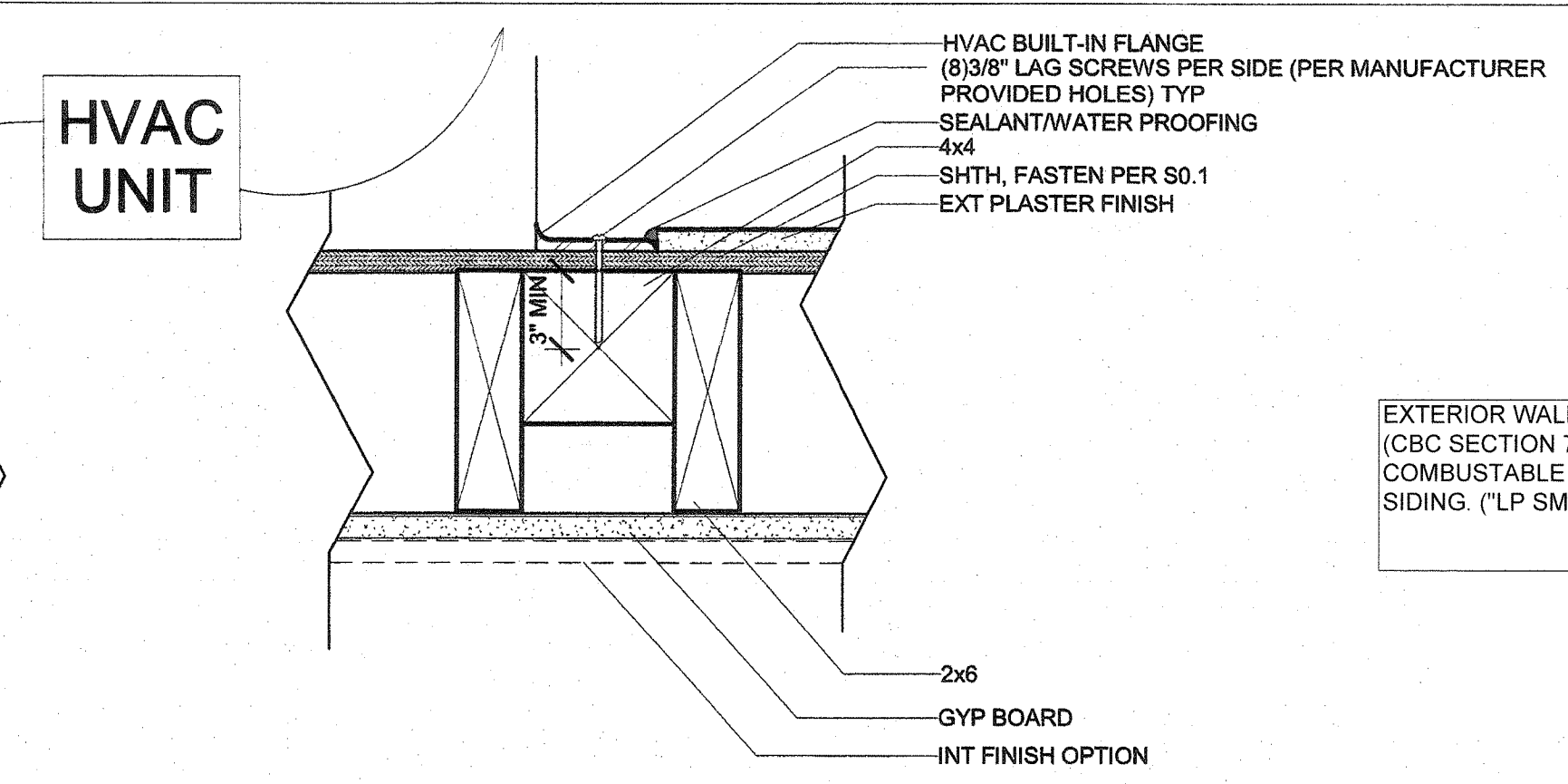
FIRE CAULK ALL JOINTS
TYPICAL



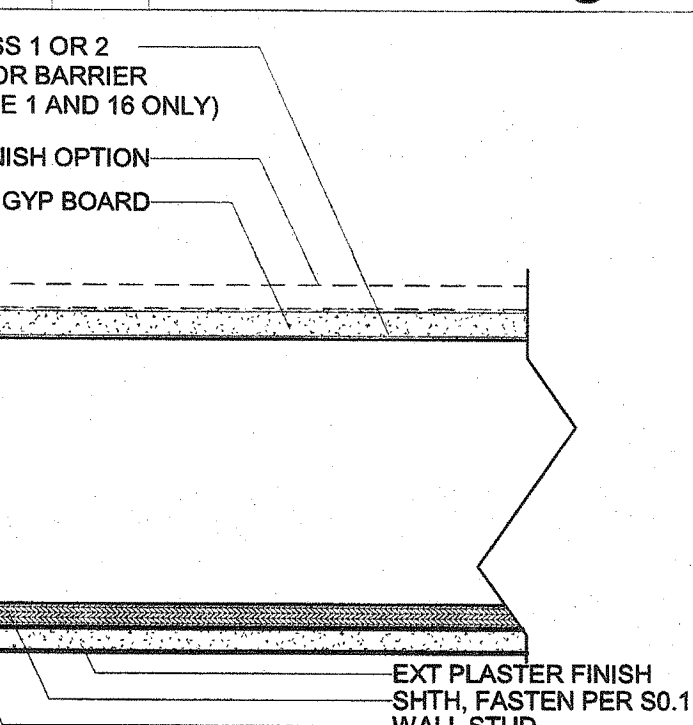
17 3" = 1'-0" Section - Top Plate



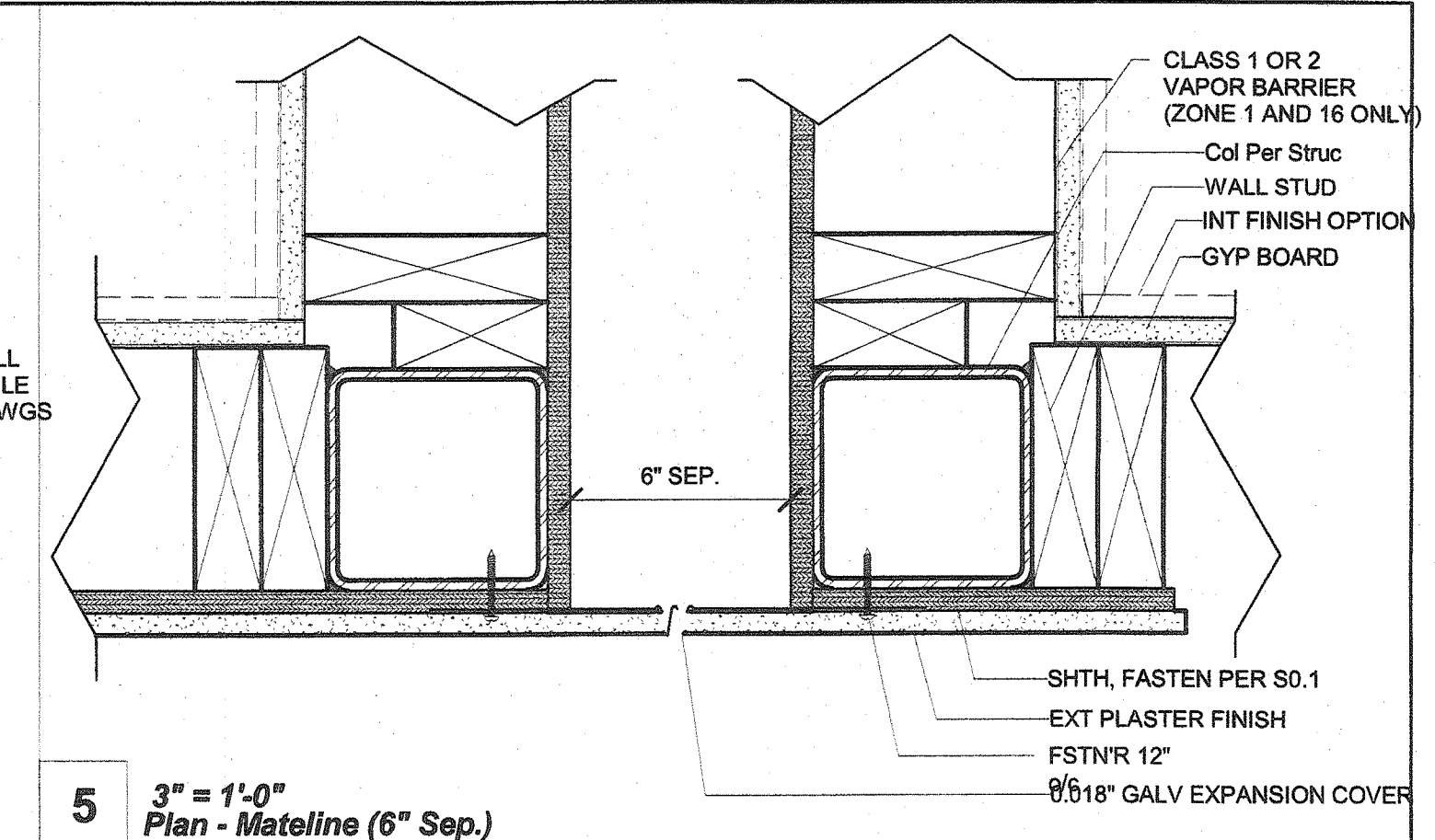
16 3" = 1'-0" Plan - HVAC Unit



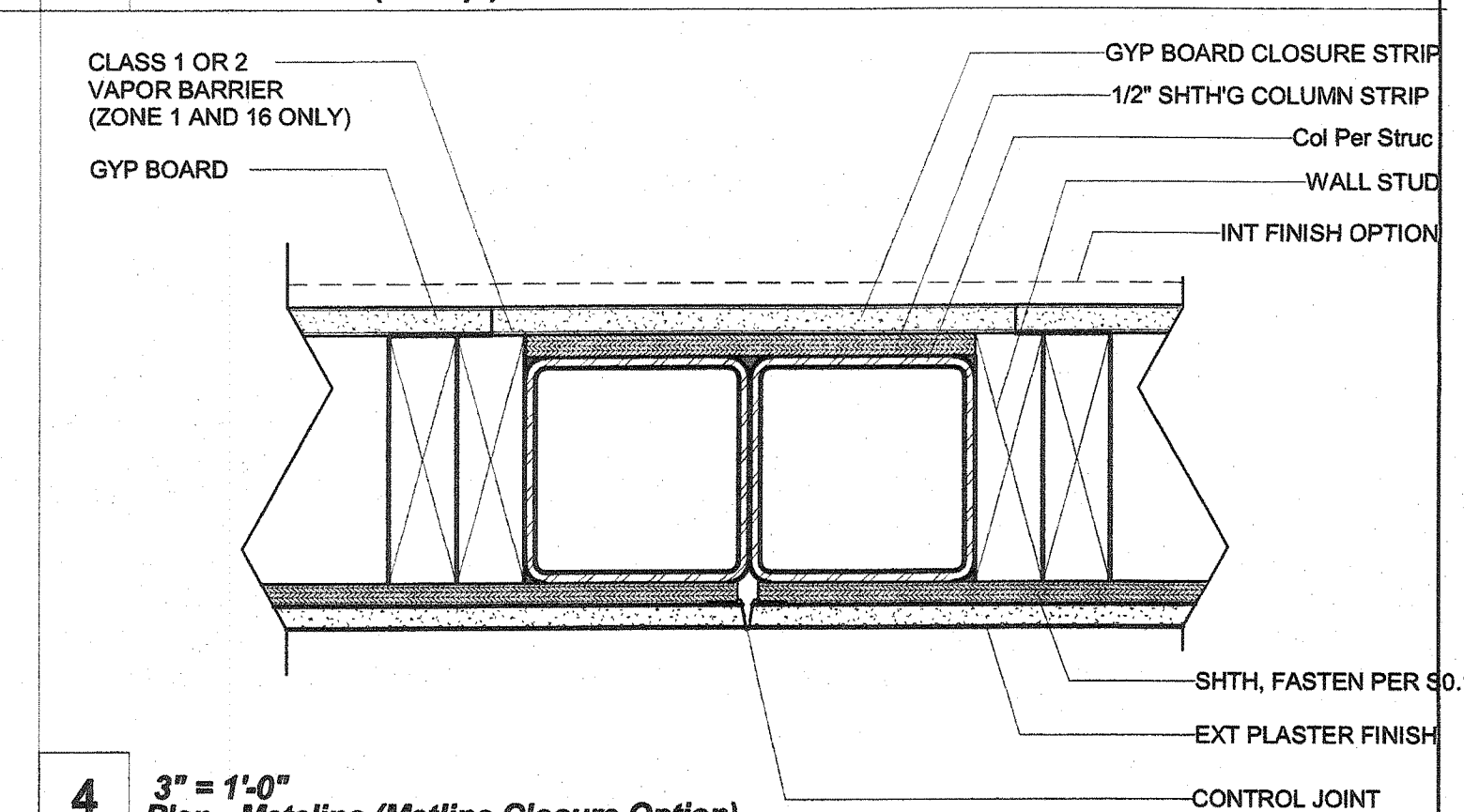
10A 3" = 1'-0" Section - Ext Wall Header @ Door



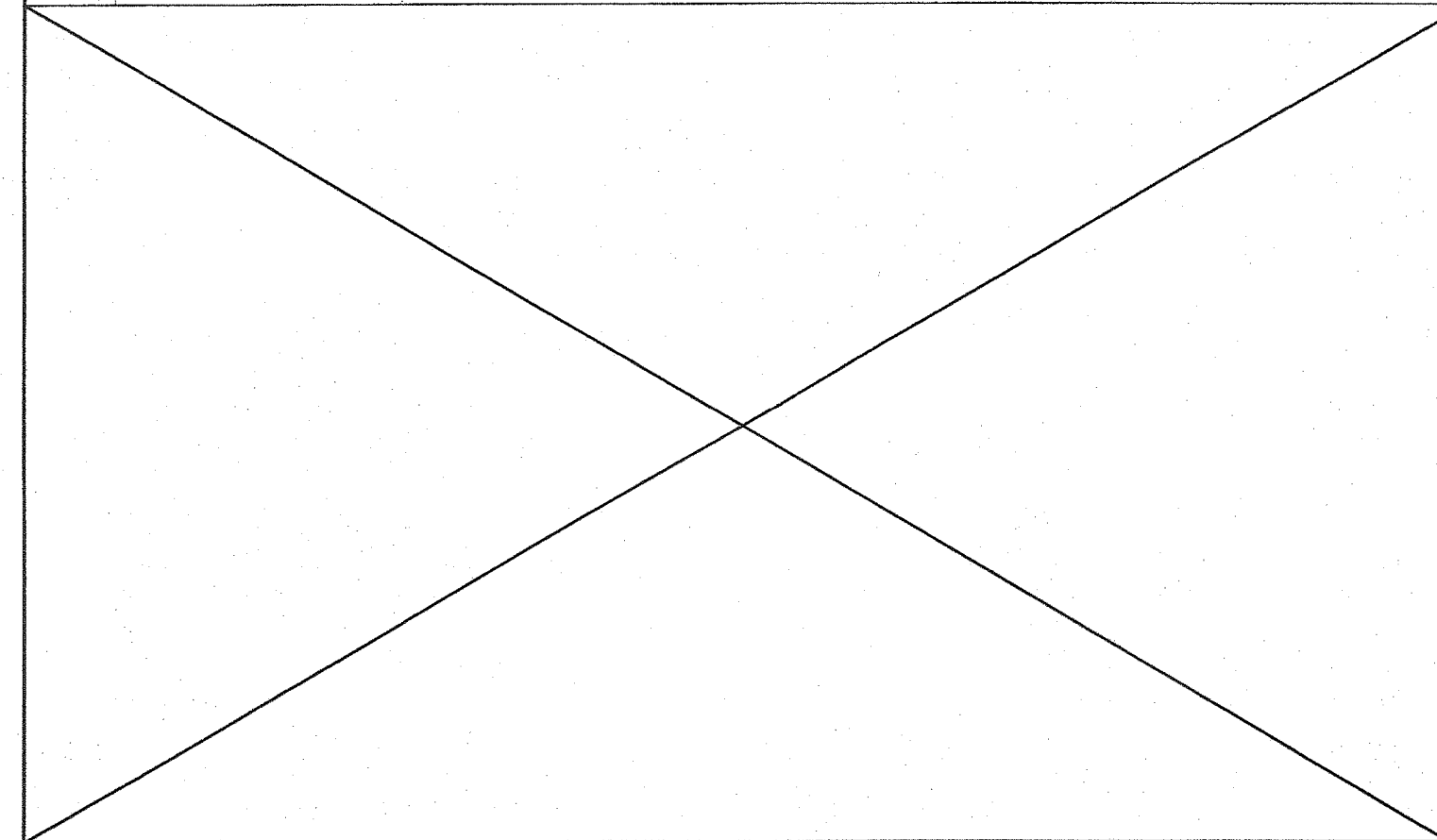
10B 3" = 1'-0" Section - Int Wall Header @ Door



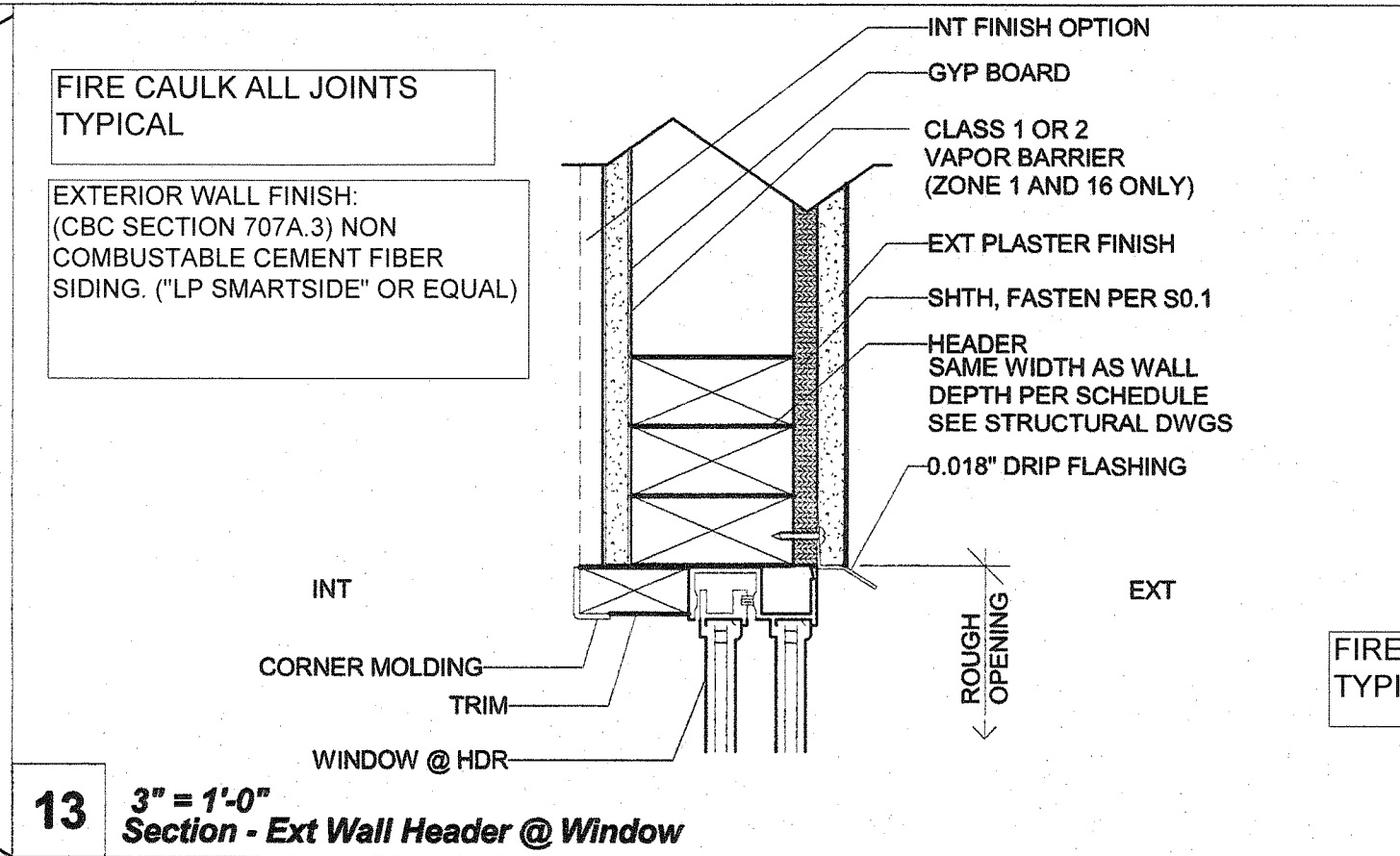
5 3" = 1'-0" Plan - Mateline (6" Sep.)



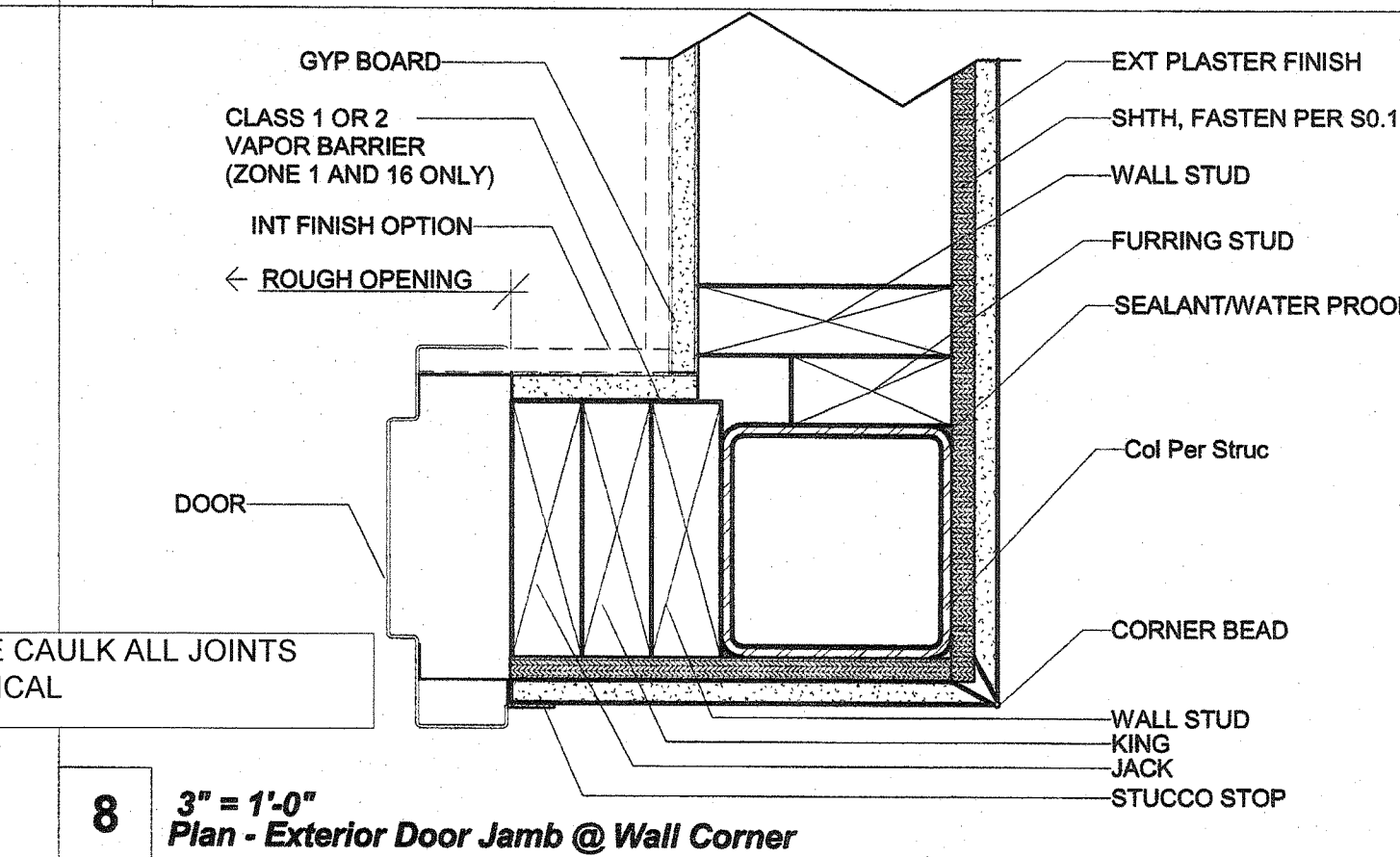
4 3" = 1'-0" Plan - Mateline (Matline Closure Option)



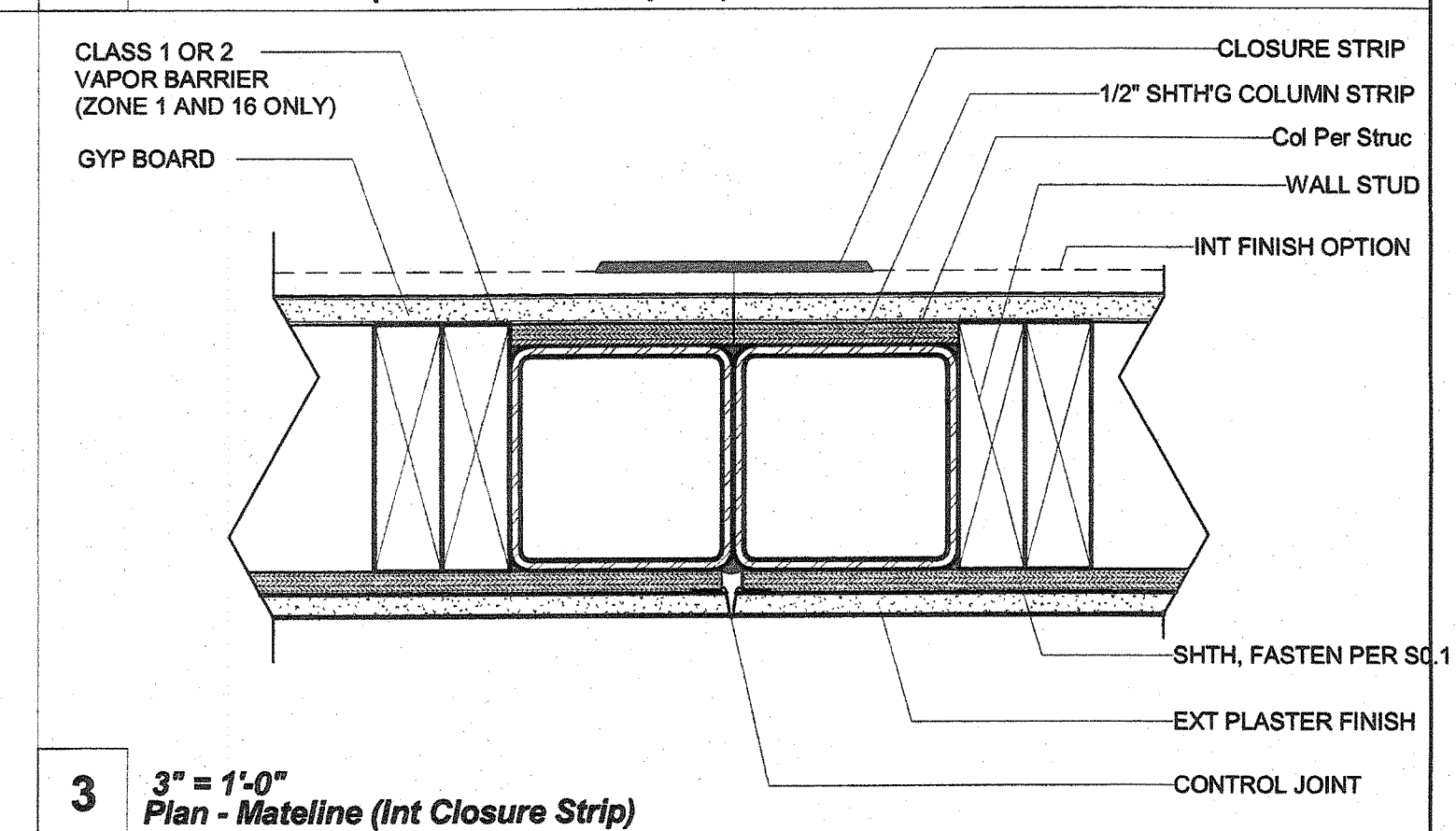
14 3" = 1'-0" INT Section - Ext Wall @ HVAC



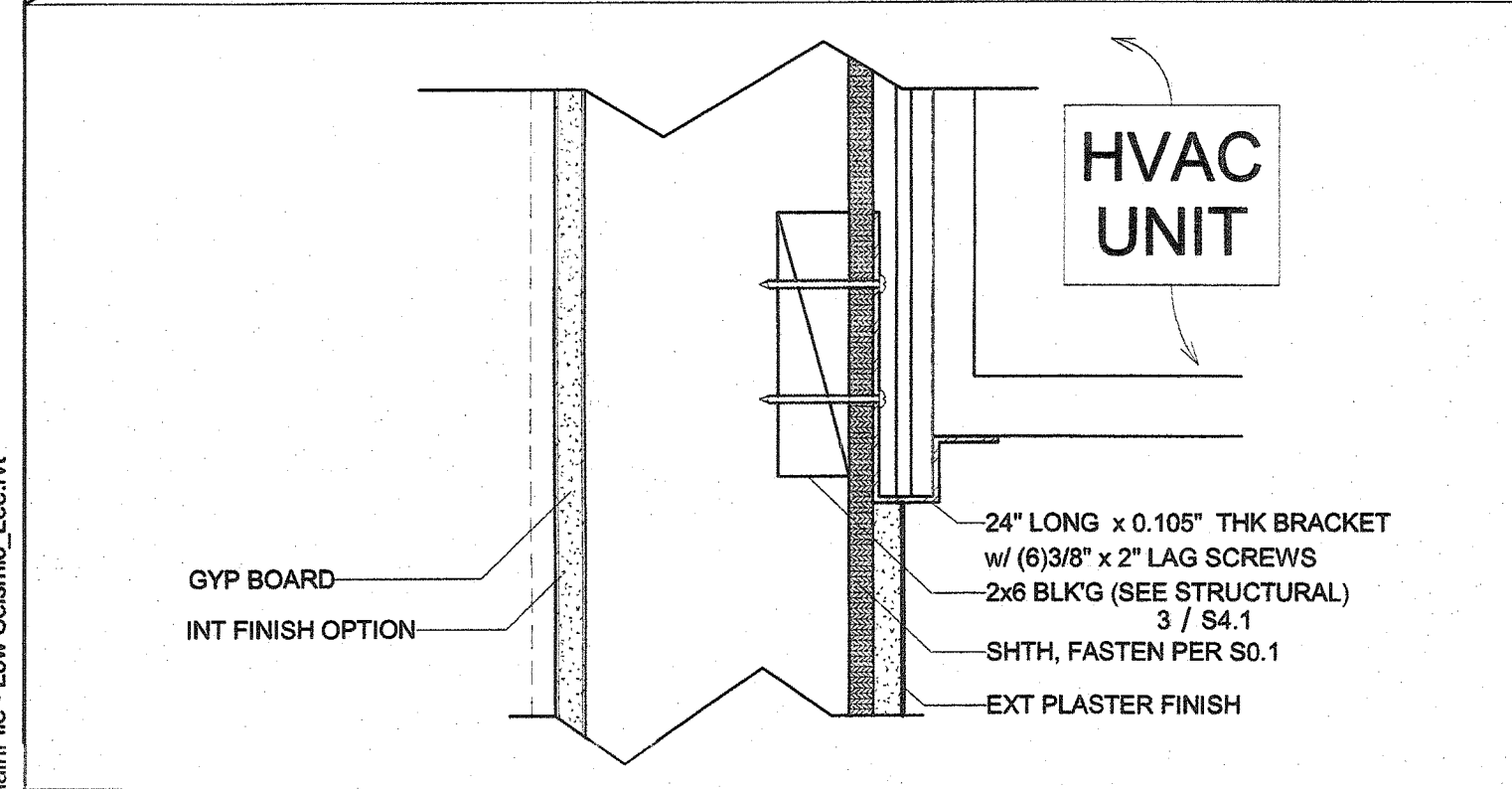
13 3" = 1'-0" Section - Ext Wall Header @ Window



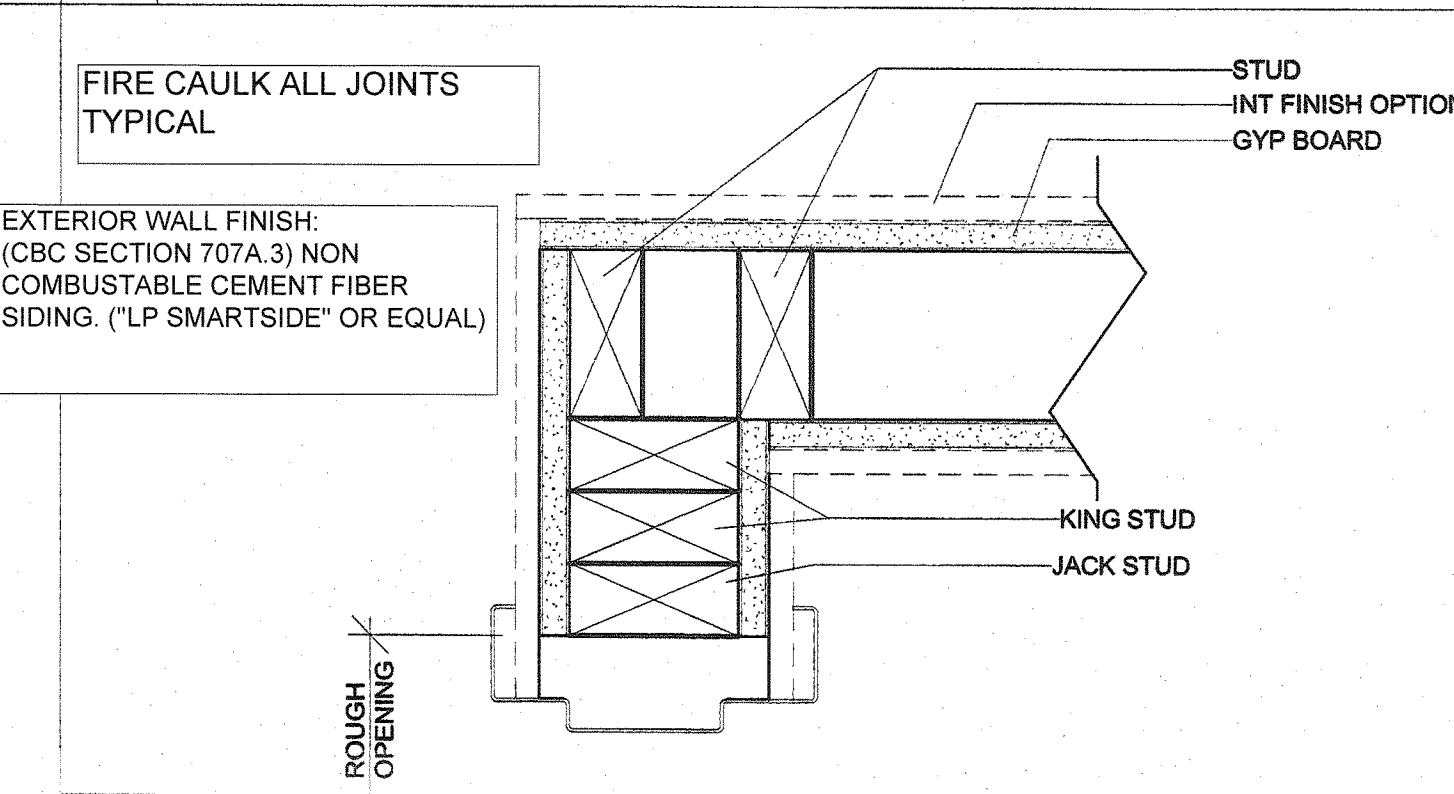
8 3" = 1'-0" Plan - Exterior Door Jamb @ Wall Corner



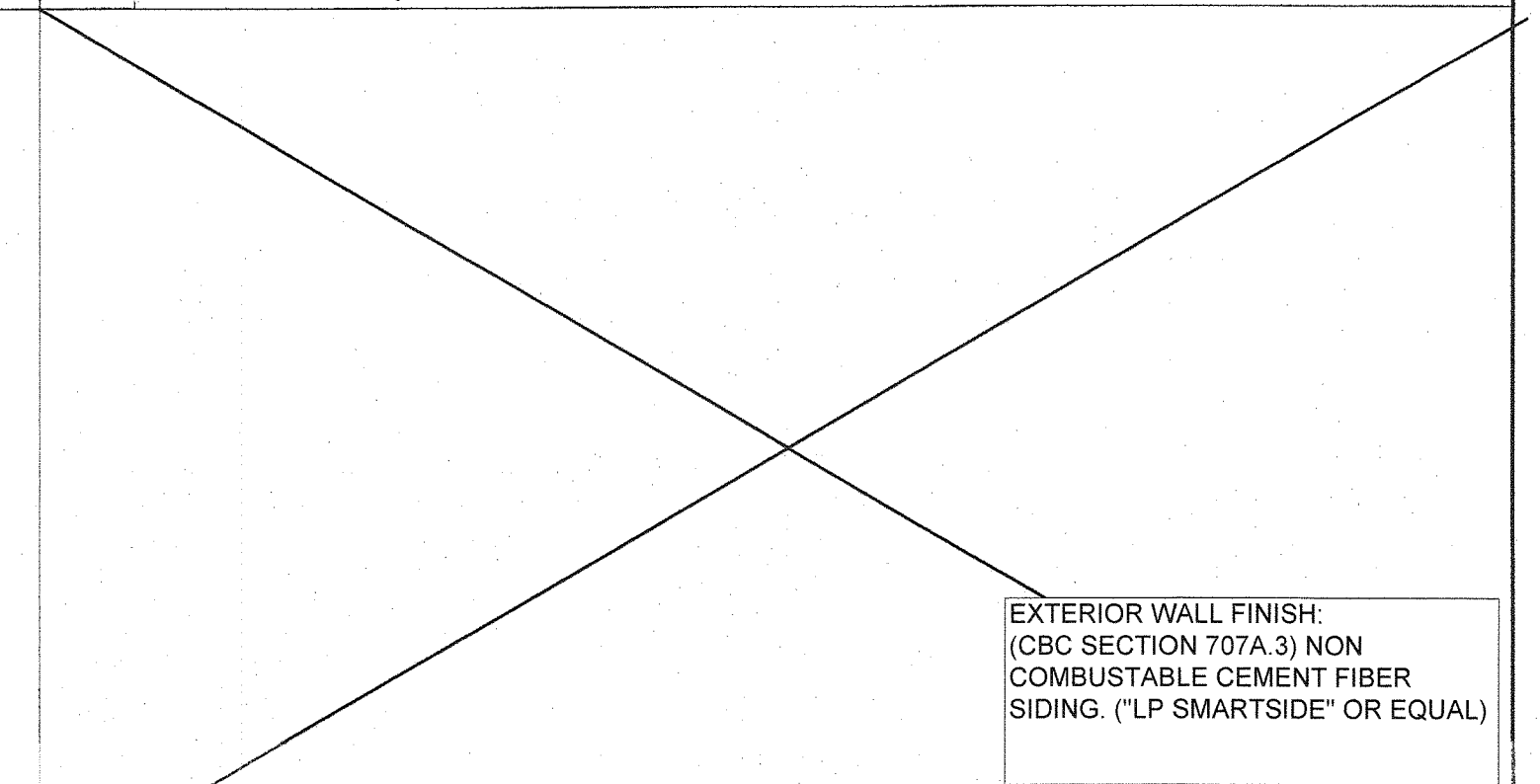
3 3" = 1'-0" Plan - Mateline (Int Closure Strip)



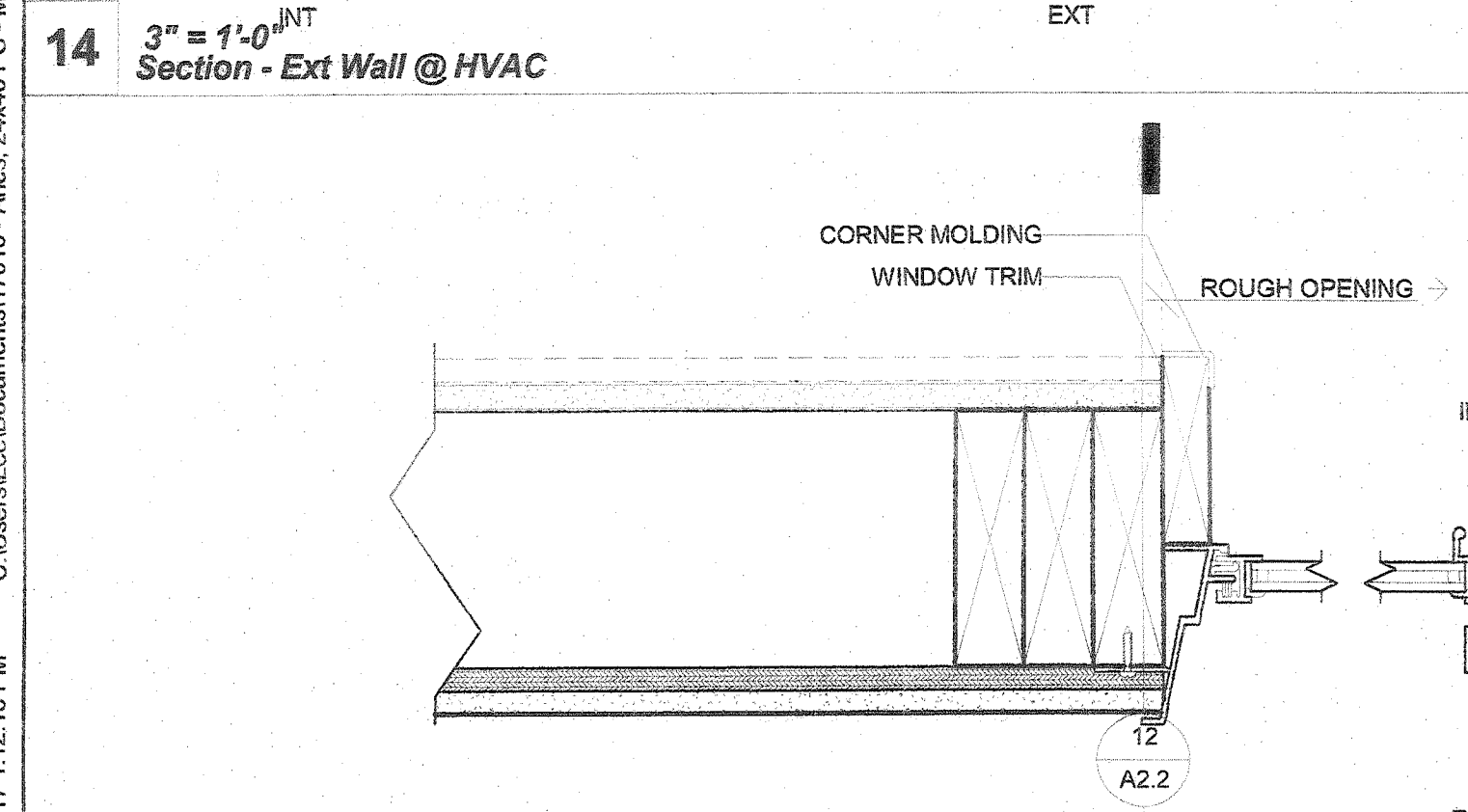
12 3" = 1'-0" Section - Ext Wall Sill @ Window



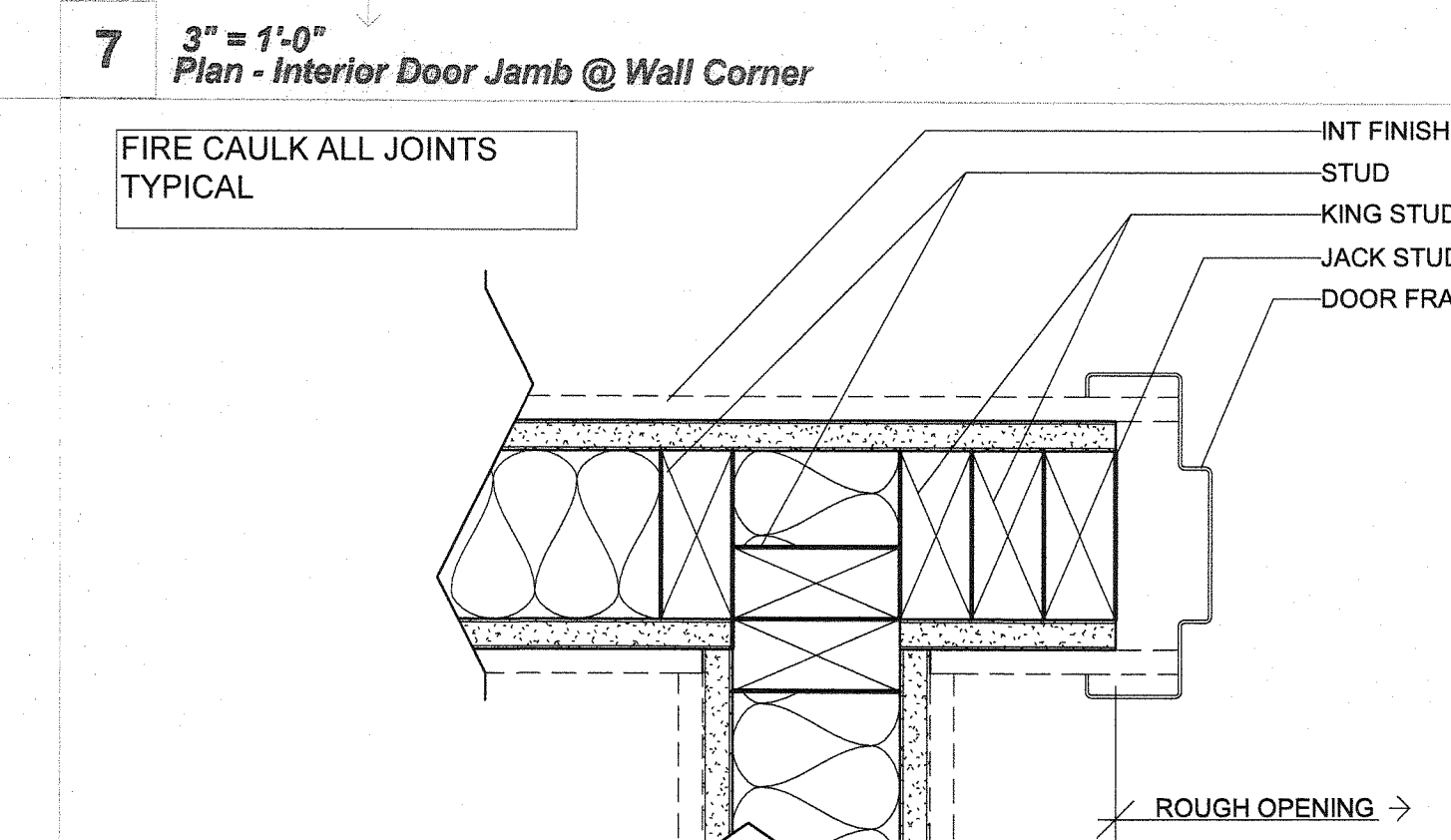
7 3" = 1'-0" Plan - Interior Door Jamb @ Wall Corner



1 3" = 1'-0" Plan - Column @ Corner



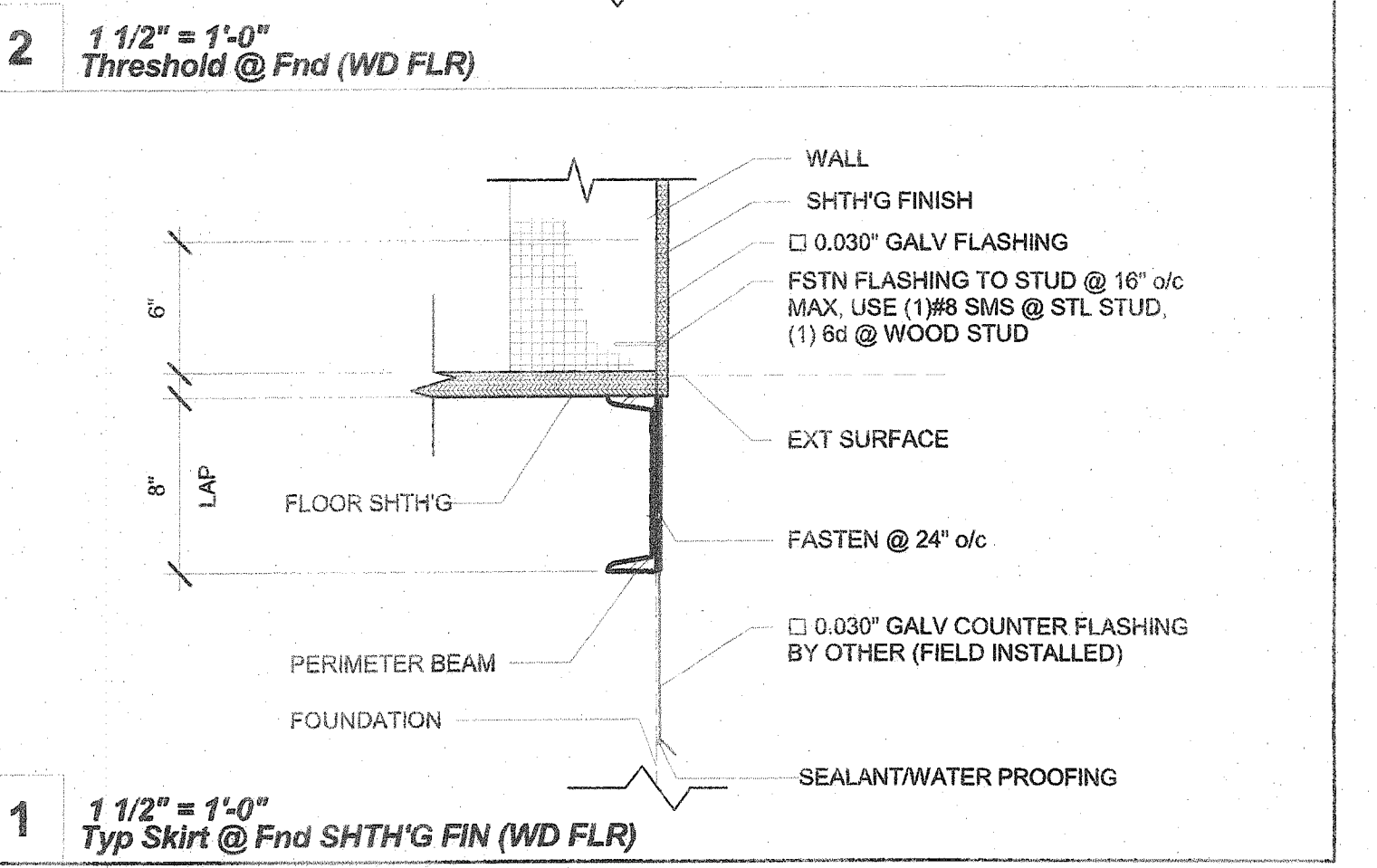
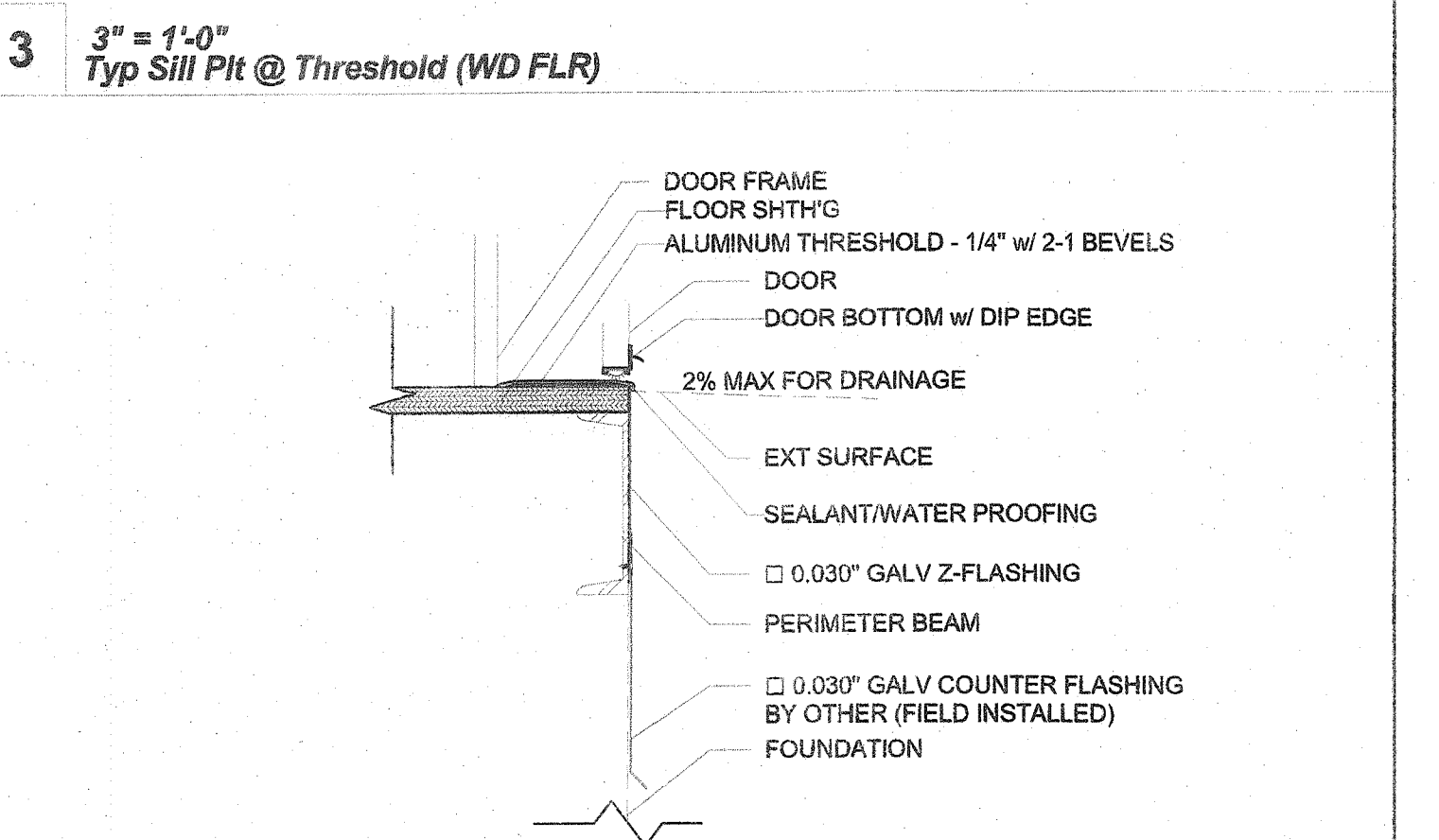
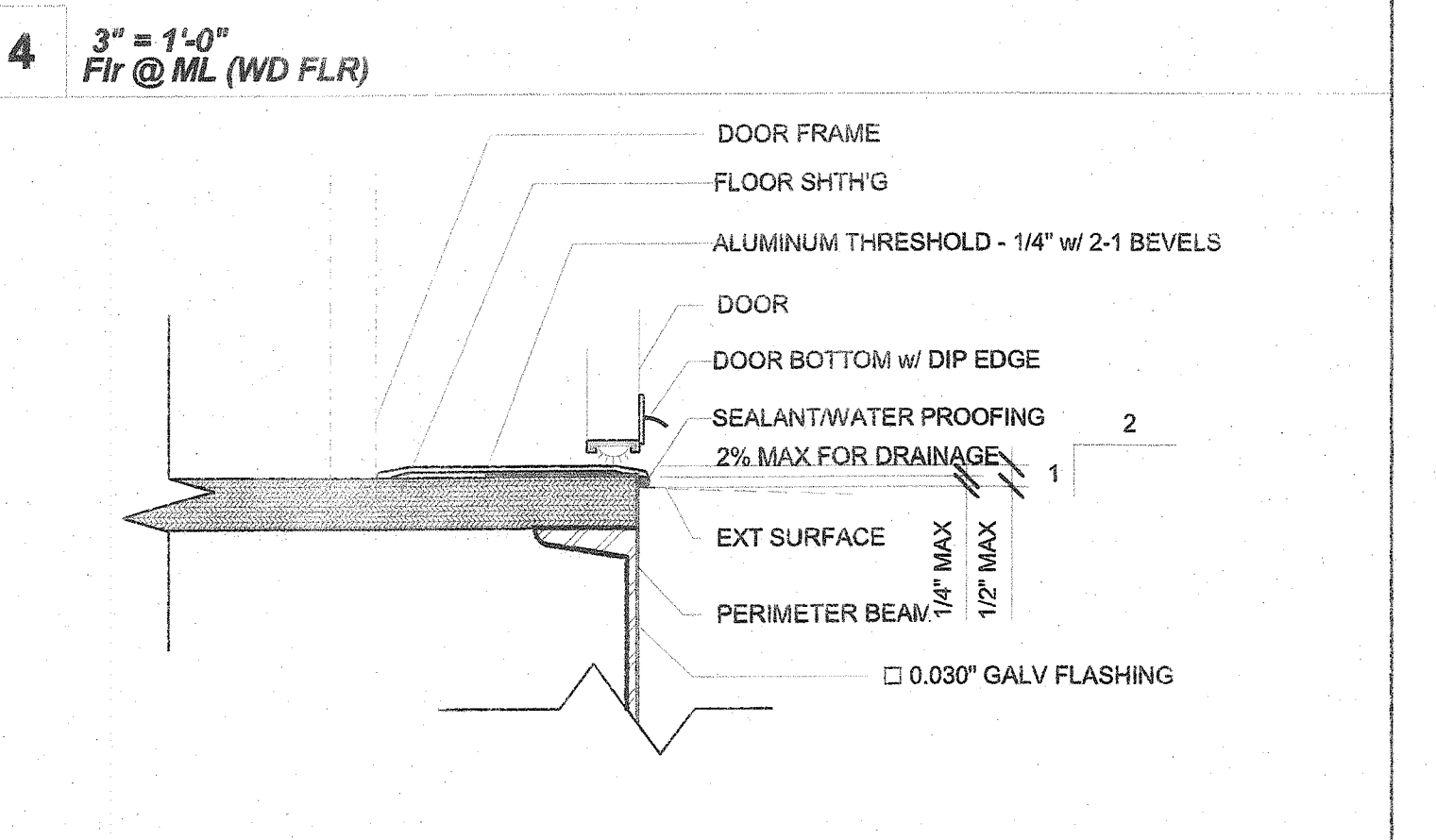
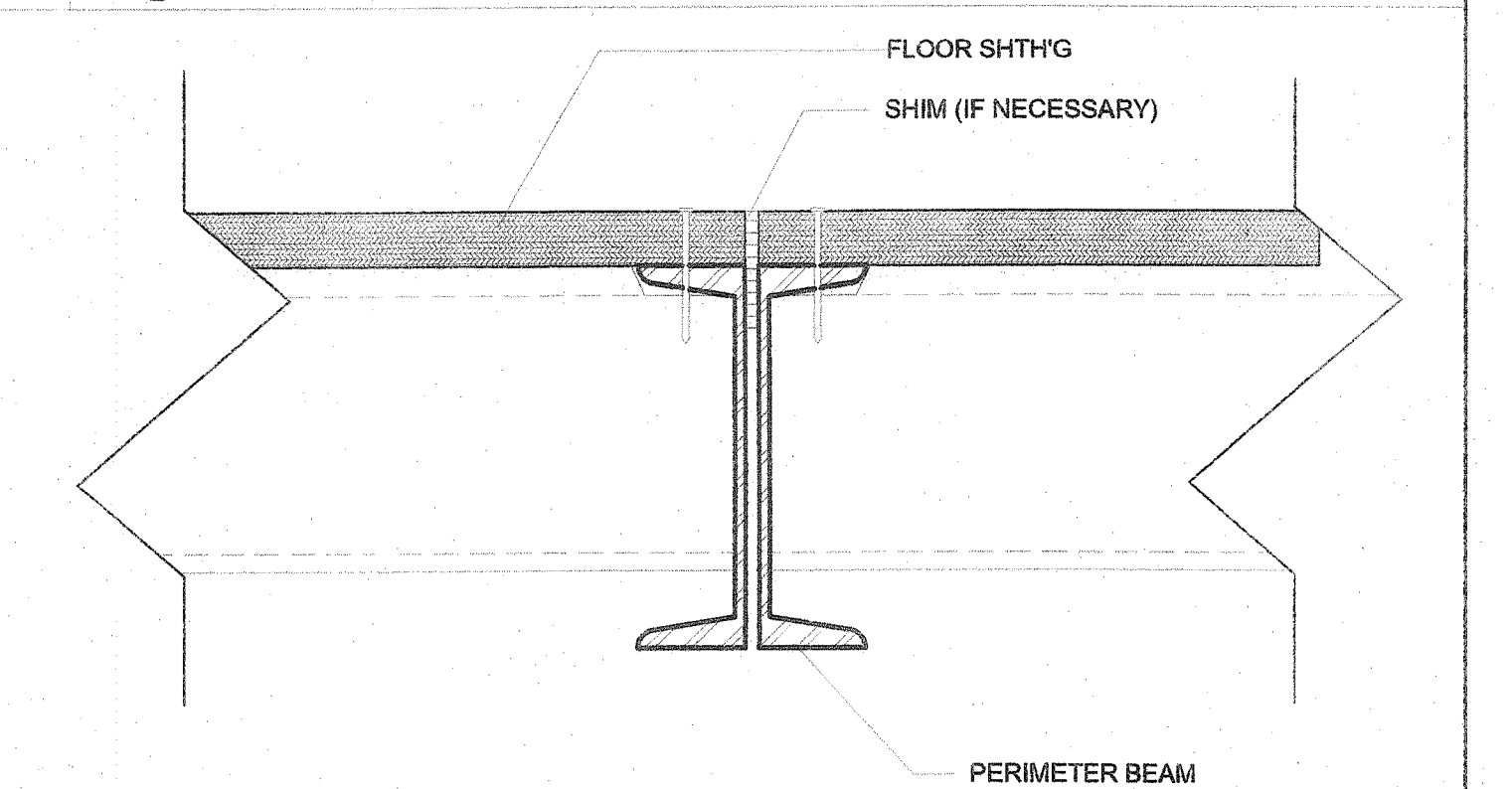
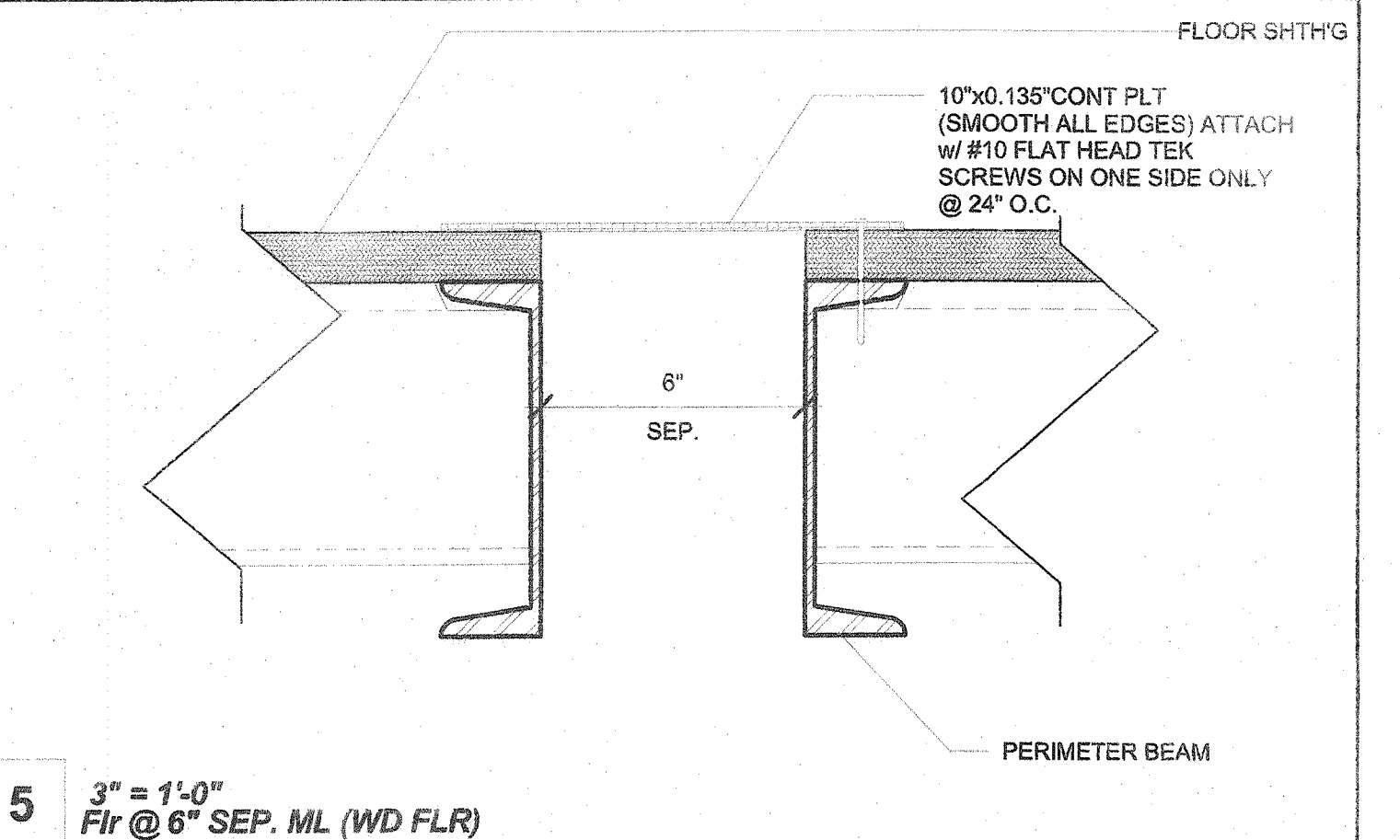
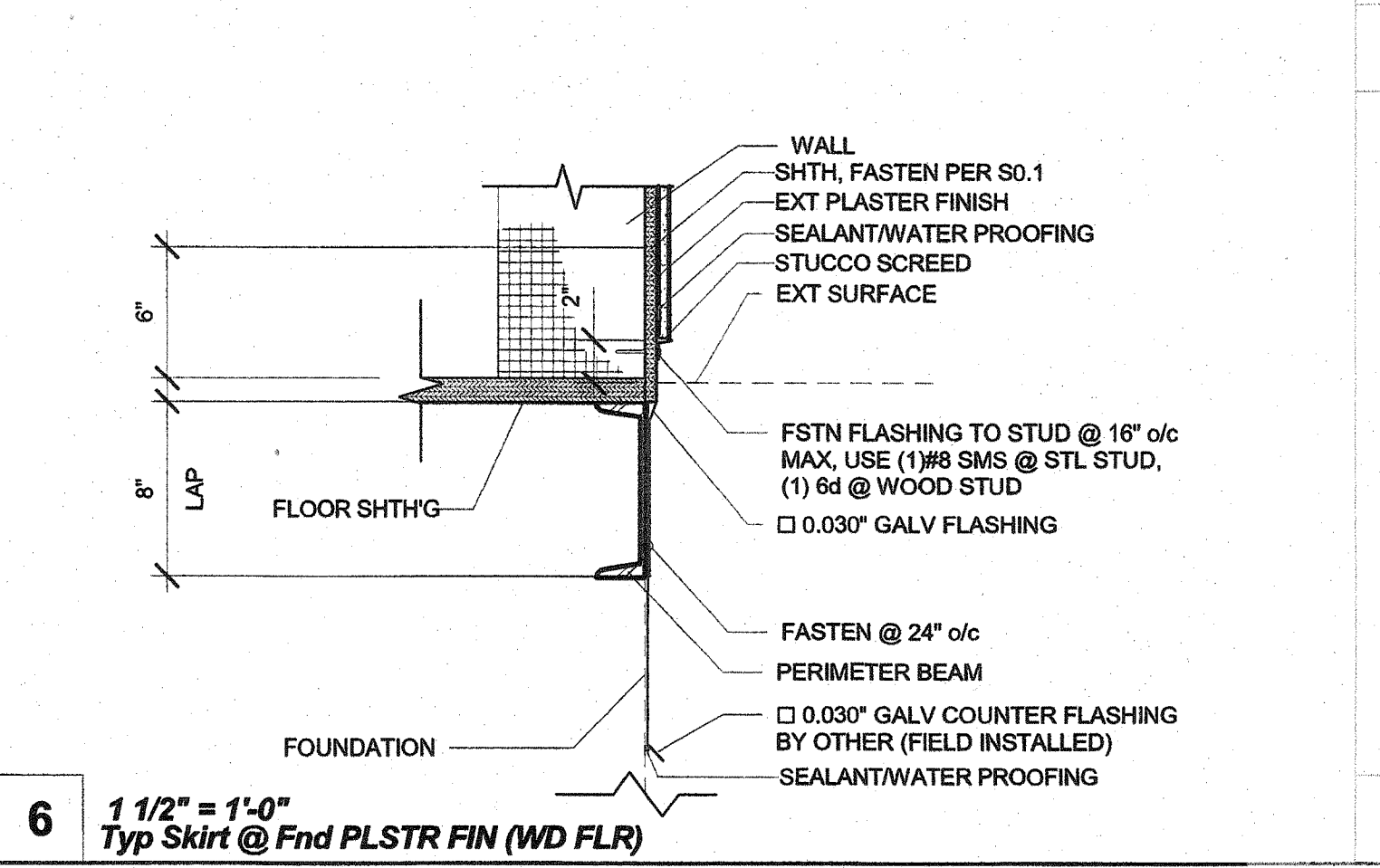
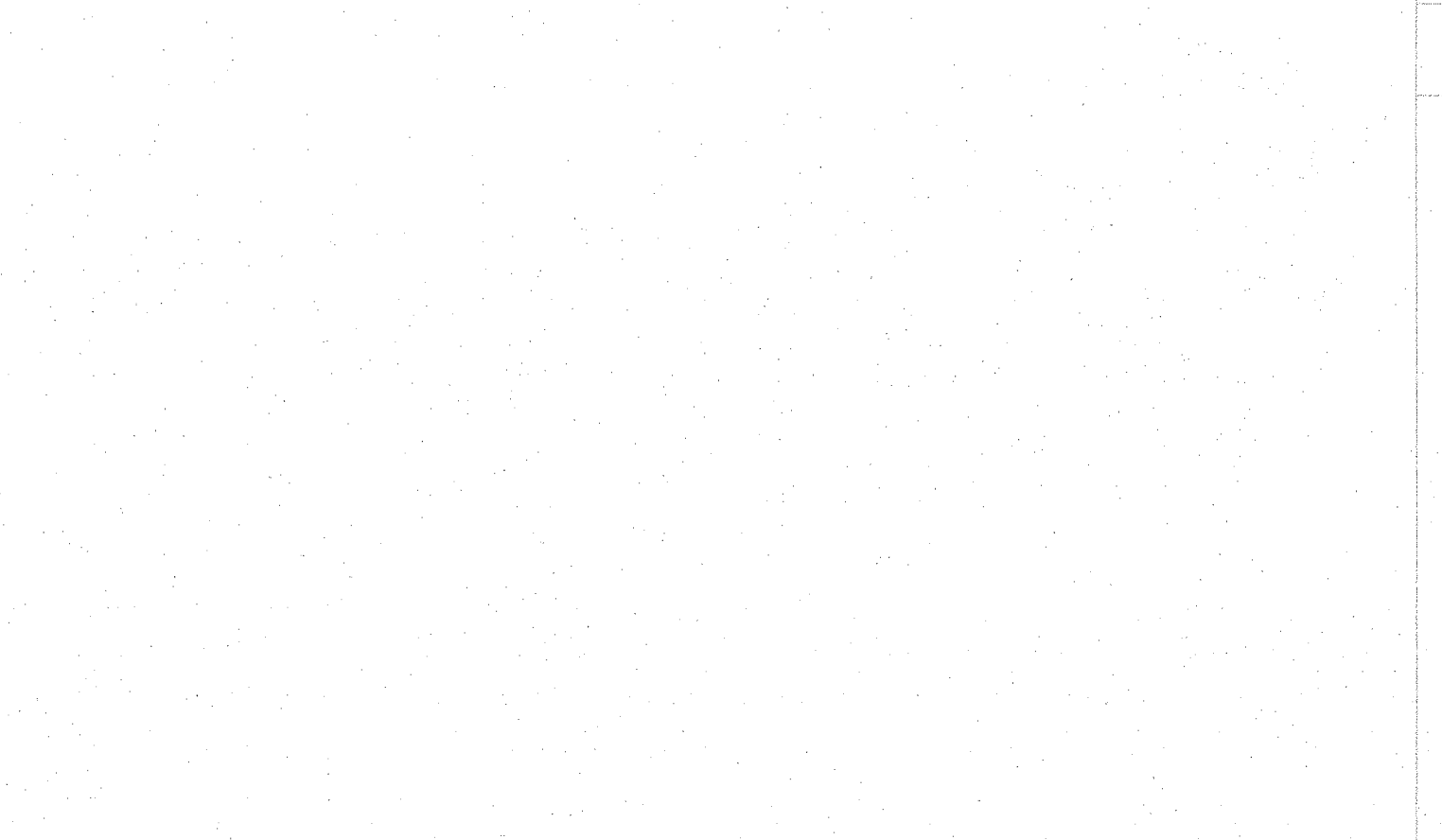
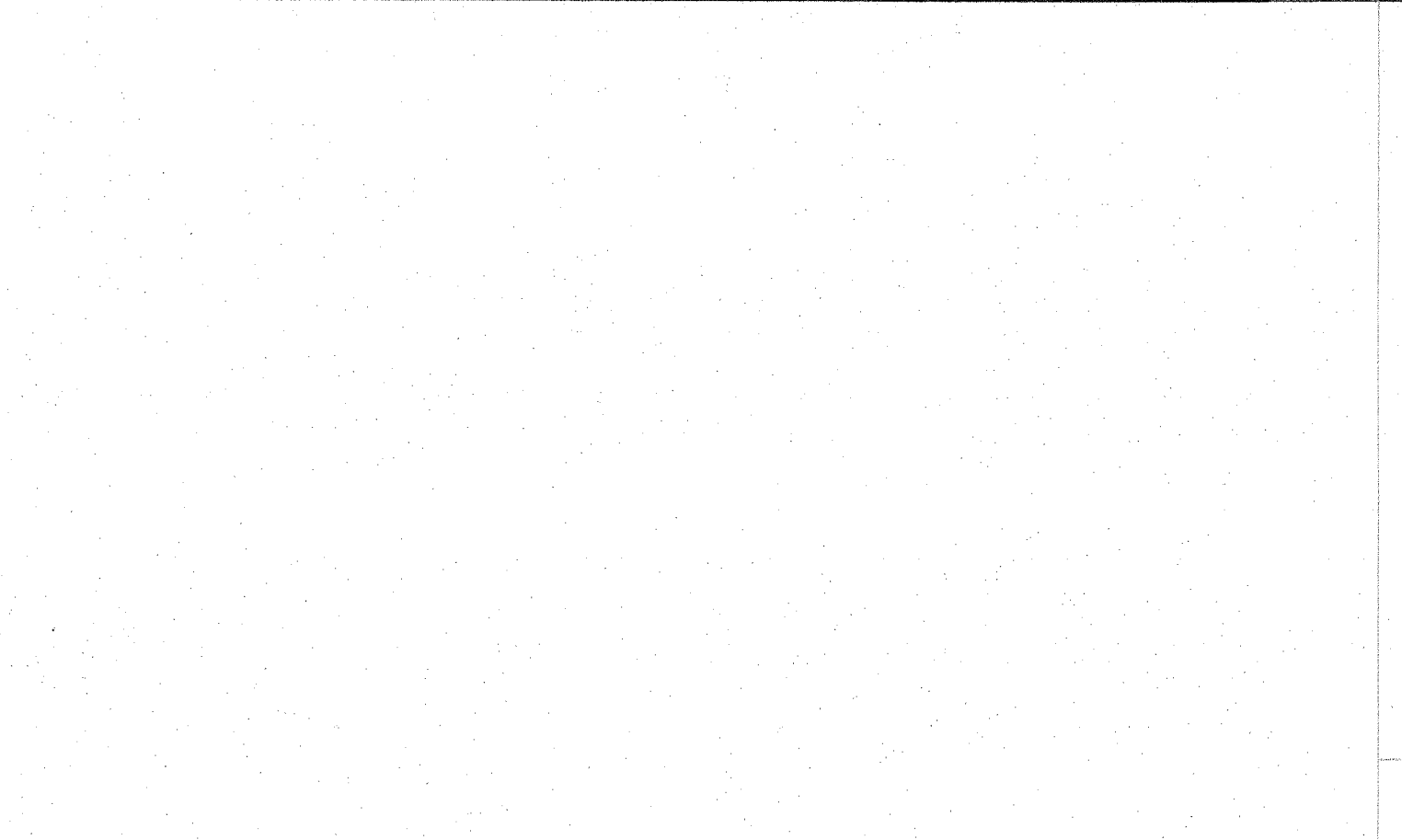
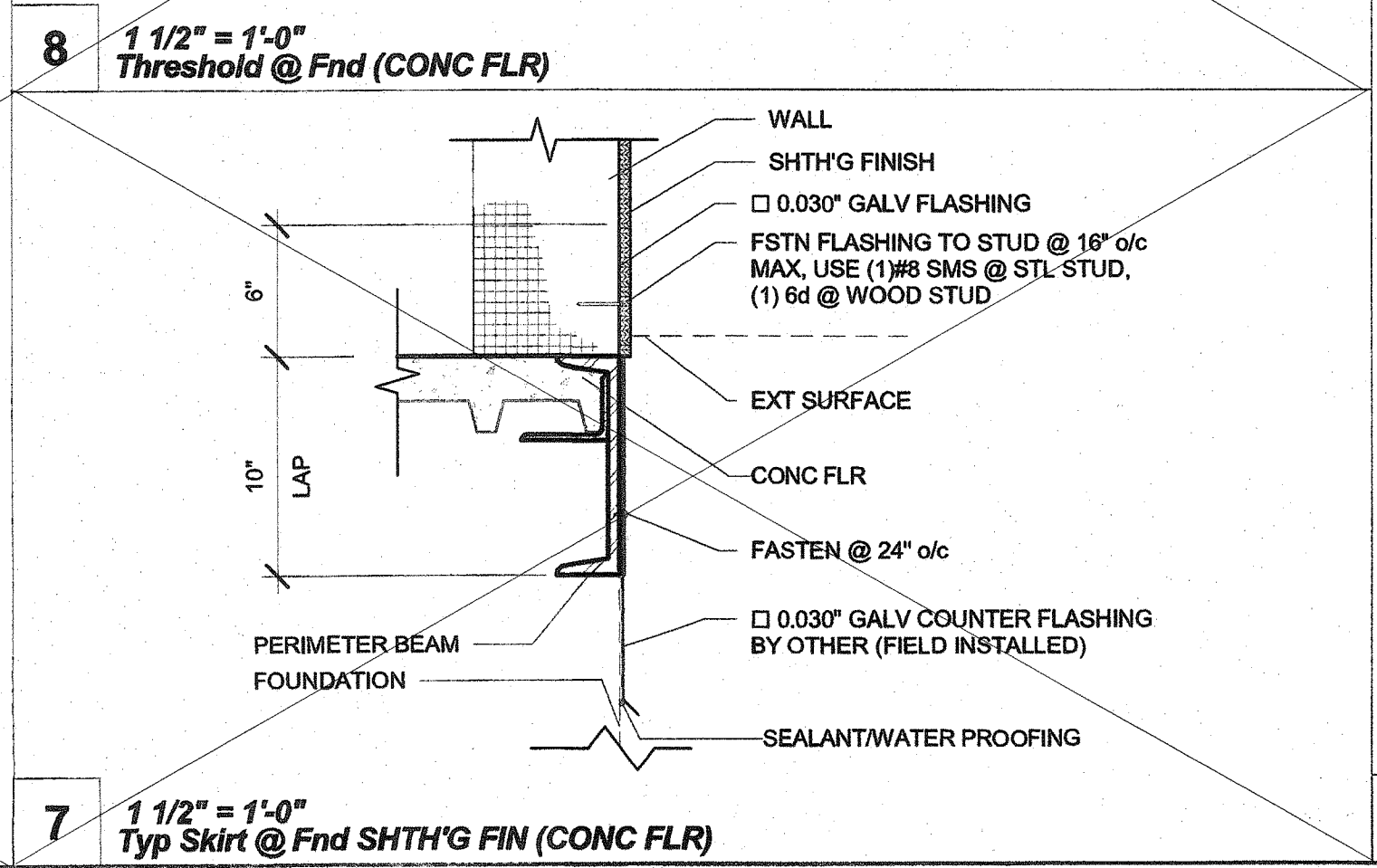
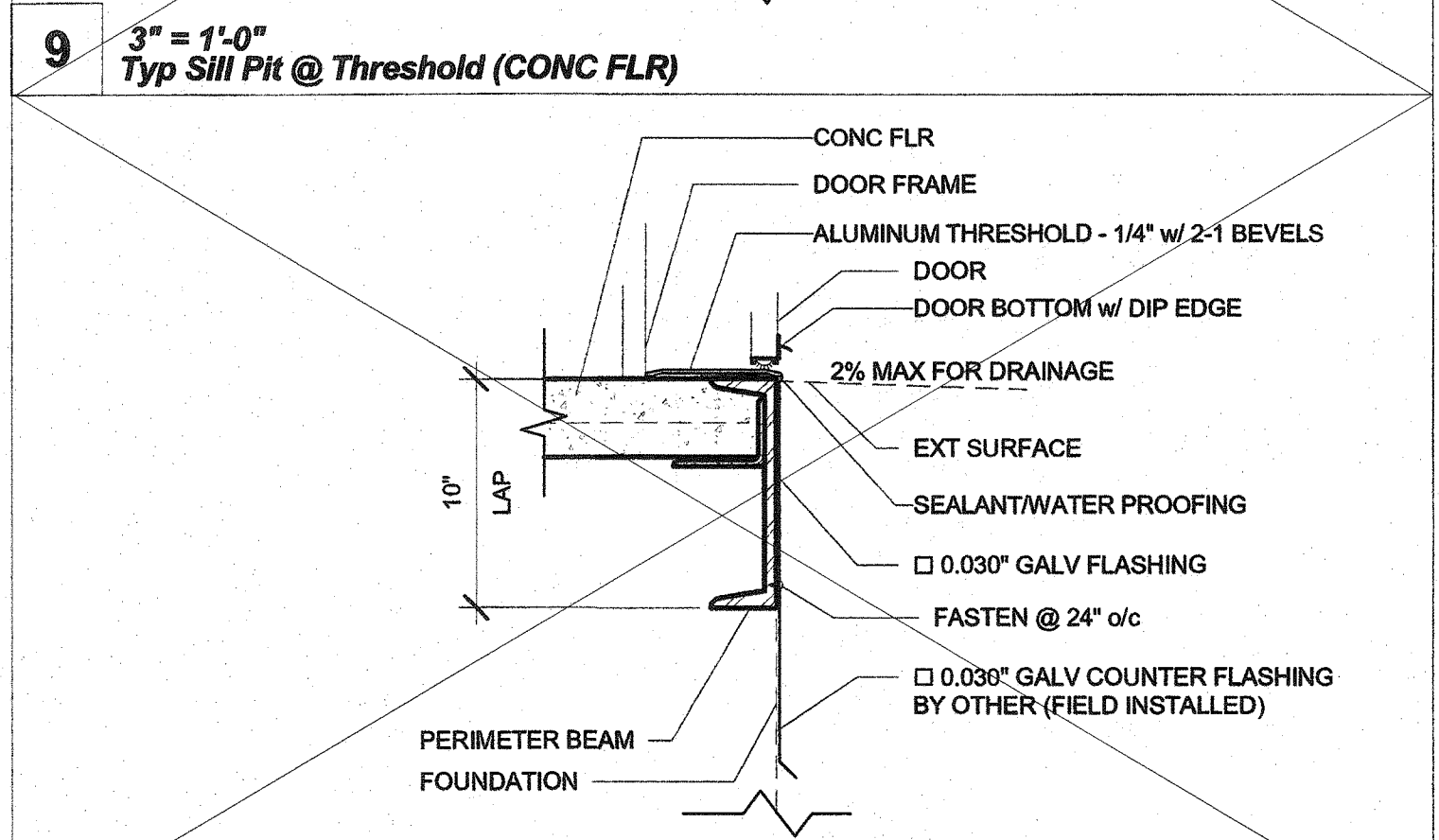
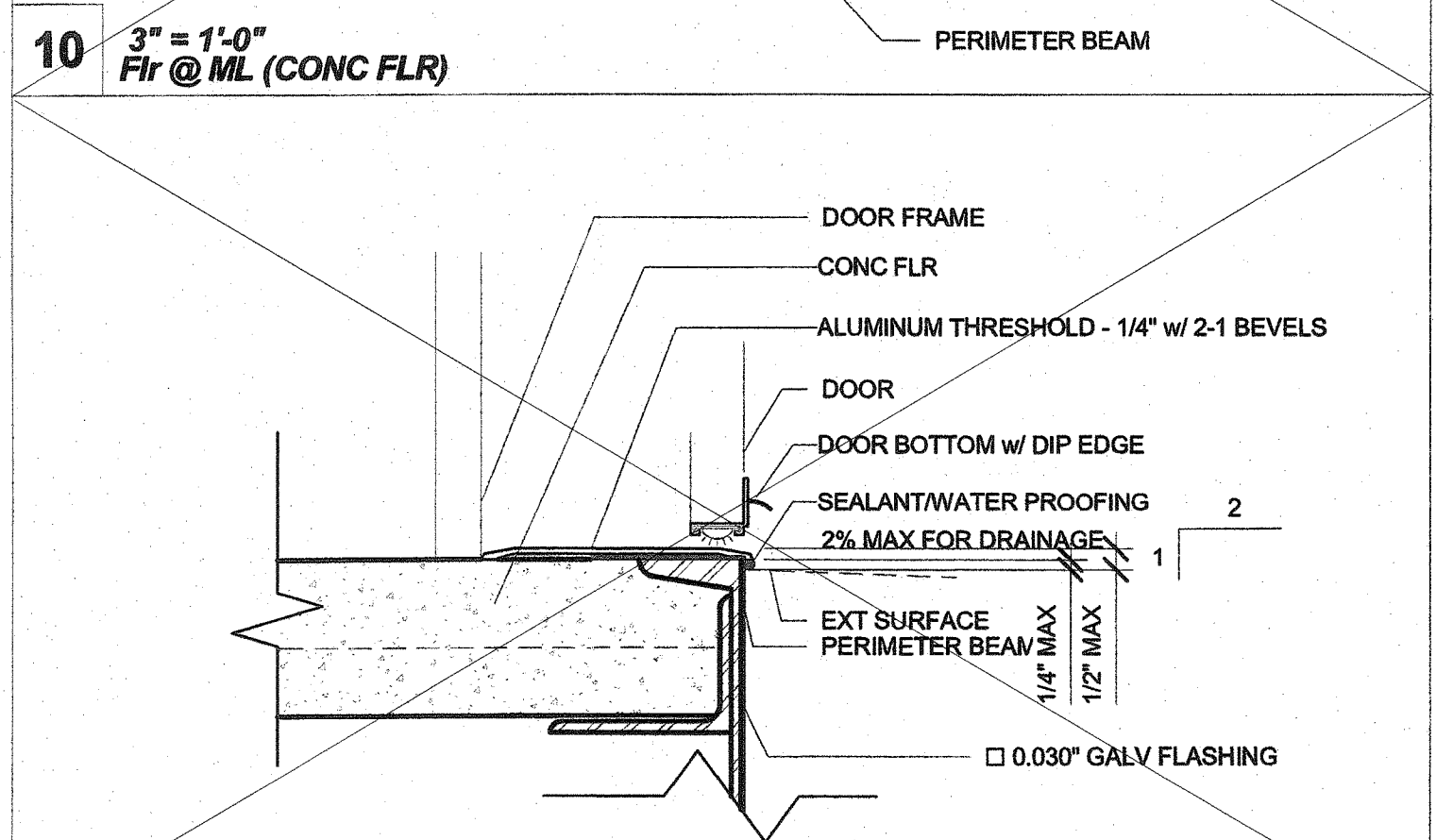
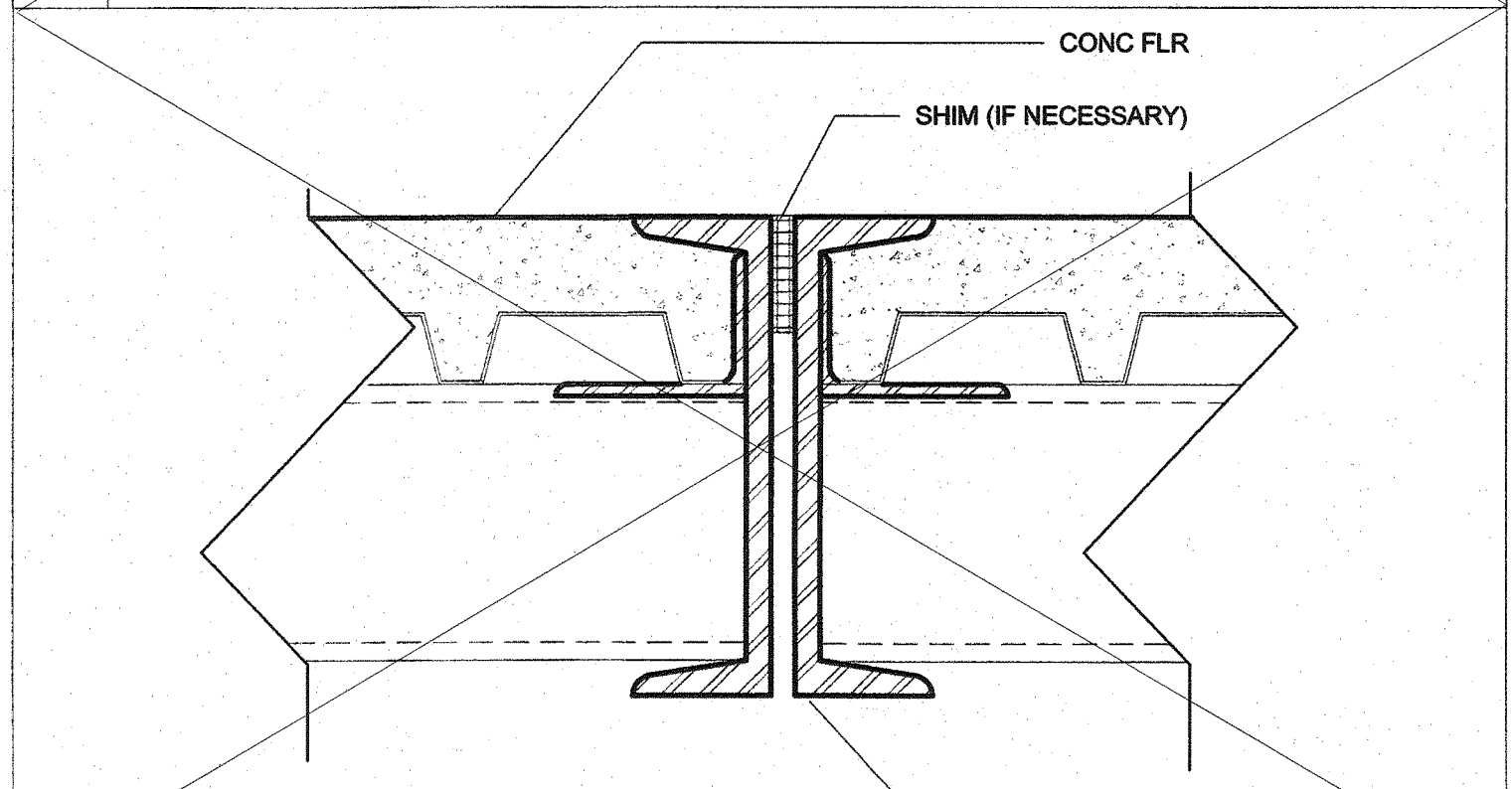
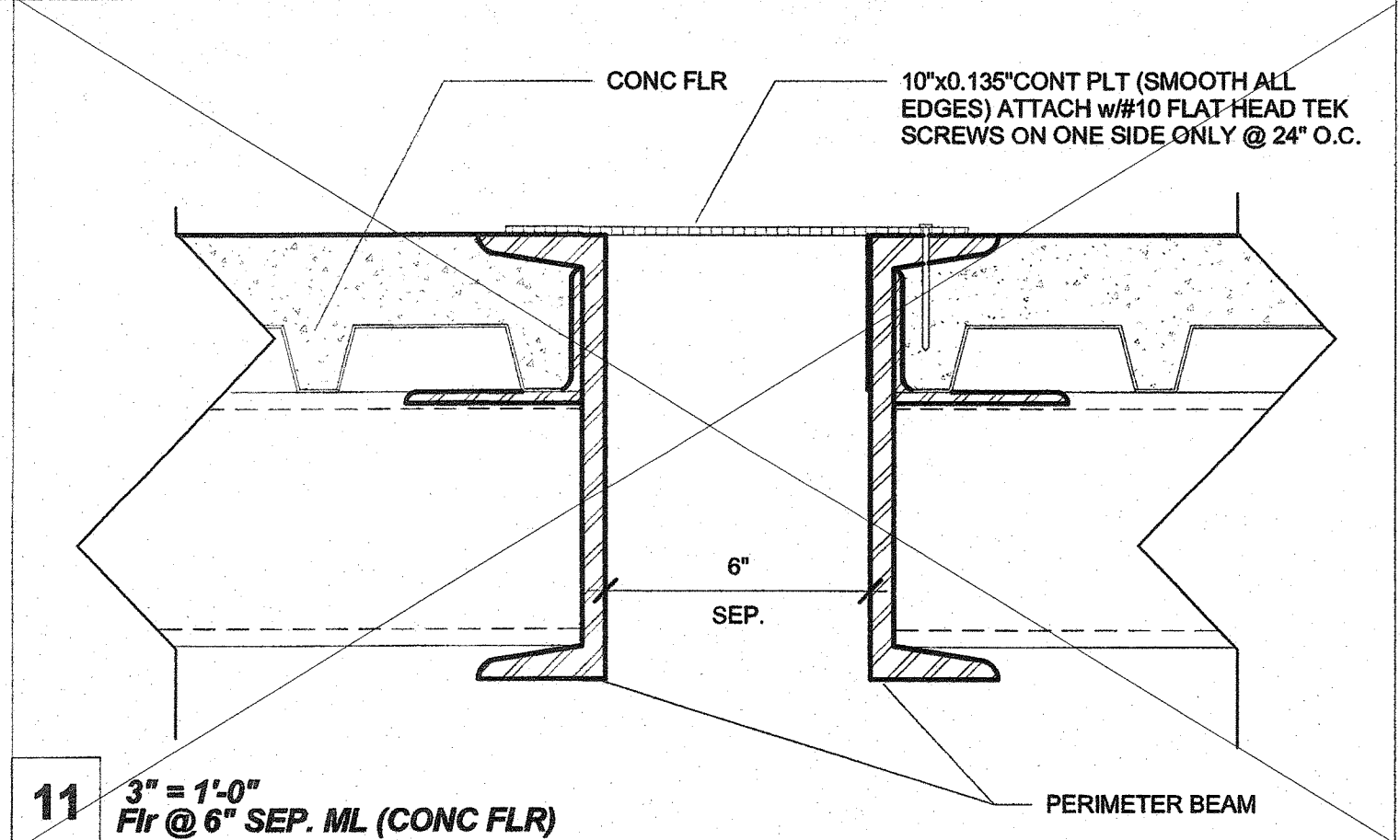
11 3" = 1'-0" Plan - Exterior Window Jamb



6 3" = 1'-0" Plan - Interior Door Jamb @ Wall Intersection

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12/18/2017 3:37:28 PM C:\Users\Sarah\Documents\17016 - Area_24x40 PC - MainFile - Low Seismic_Sarah.nt



R&S TAVARES ASSOCIATES
 DESIGN & CONSULTING & PROJECT
 1777 BERNARDI PLAZA SUITE 105
 SAN DIEGO, CA 92128
 WWW.R&STAVARES.COM

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CLIENT
CLASS LEASING LLC
 1221 Harley Knox Boulevard
 Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
 FILE NUMBER: PC-128
 IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 04 - 116504 INCR: 0
 AC, RM, PLS, EA, SSR, KER
 DATE 07/19/2018

PROJECT TITLE
24' x 40' EXPANDABLE TO 120' x 40'

PRE-CHECK (PC) DOCUMENT
 Code: 2016 CBC
 A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 04 119164
 ACS, PLS, EA, SSR, KER
 DATE MAR 17 2018

Revision Schedule		
#	Description	Date

SHEET TITLE
ARCHITECTURAL DETAILS (FLOOR)

PROJECT NUMBER
 17016A

DRAWN BY
 rMc/SC

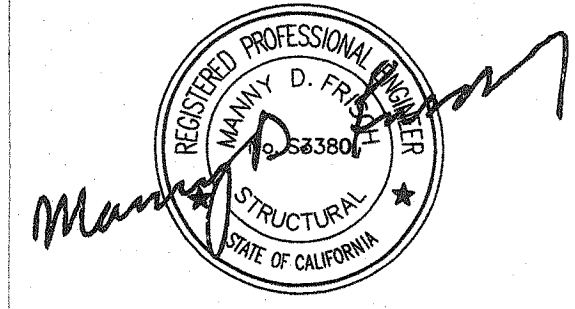
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 JA/RT

DATE
 2017/06/05

SHEET NO.
A2.9

SHEET OF SHEETS

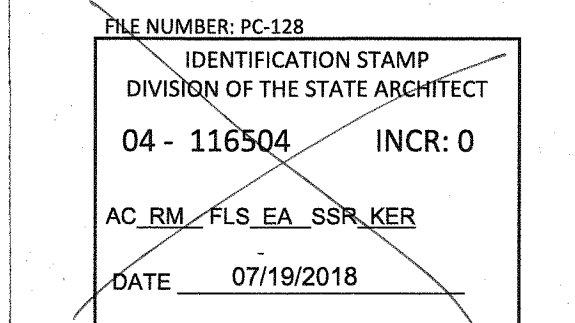
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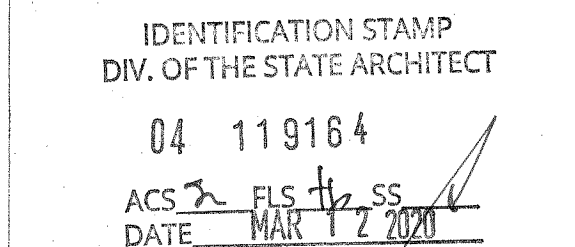
CLIENT
CLASS LEASING LLC
 1221 Harley Knox Boulevard
 Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE
24' x 40' EXPANDABLE TO 120' x 40'
 PRE-CHECK (PC) DOCUMENT
 Code: [2016] CBC
 A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL



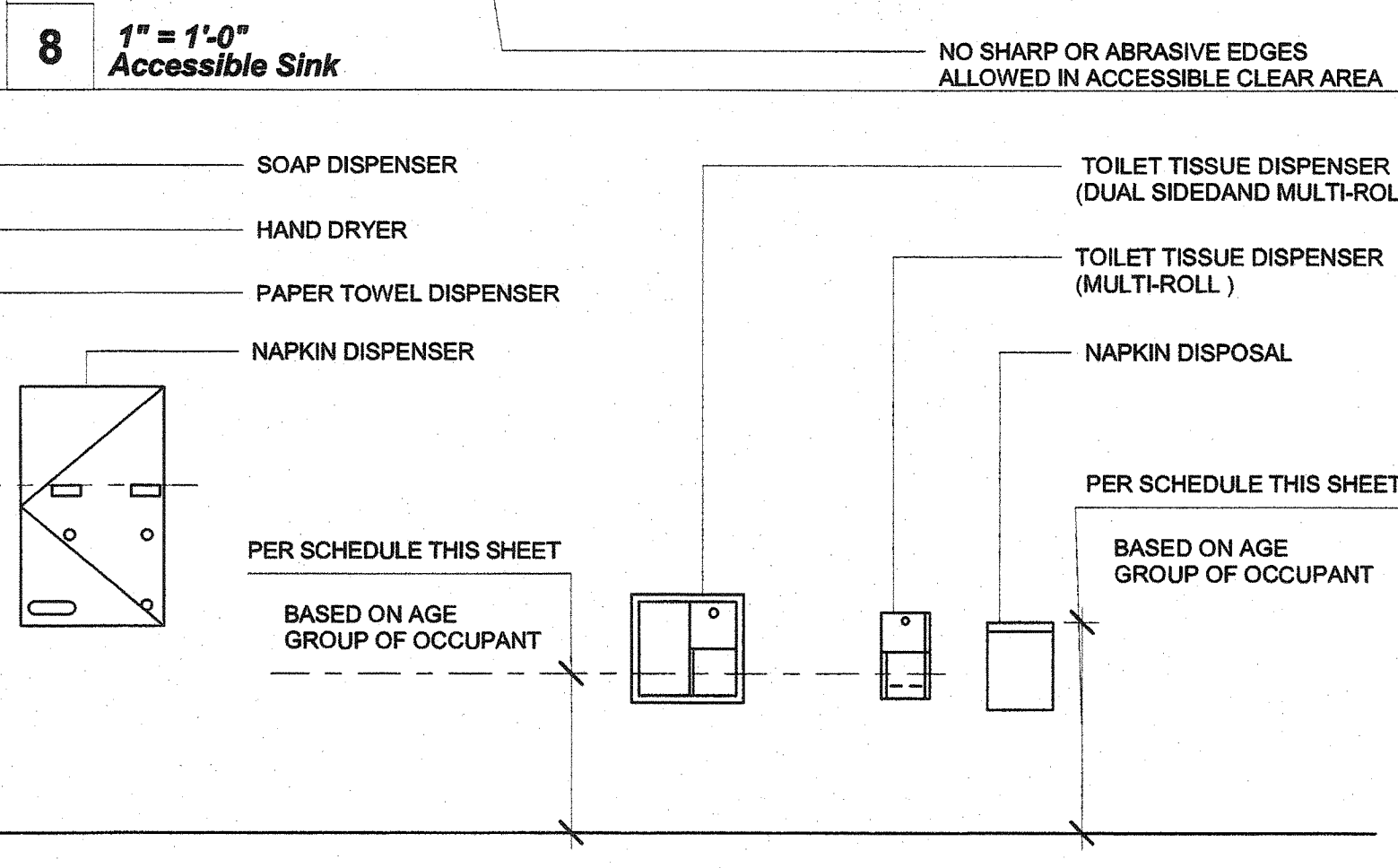
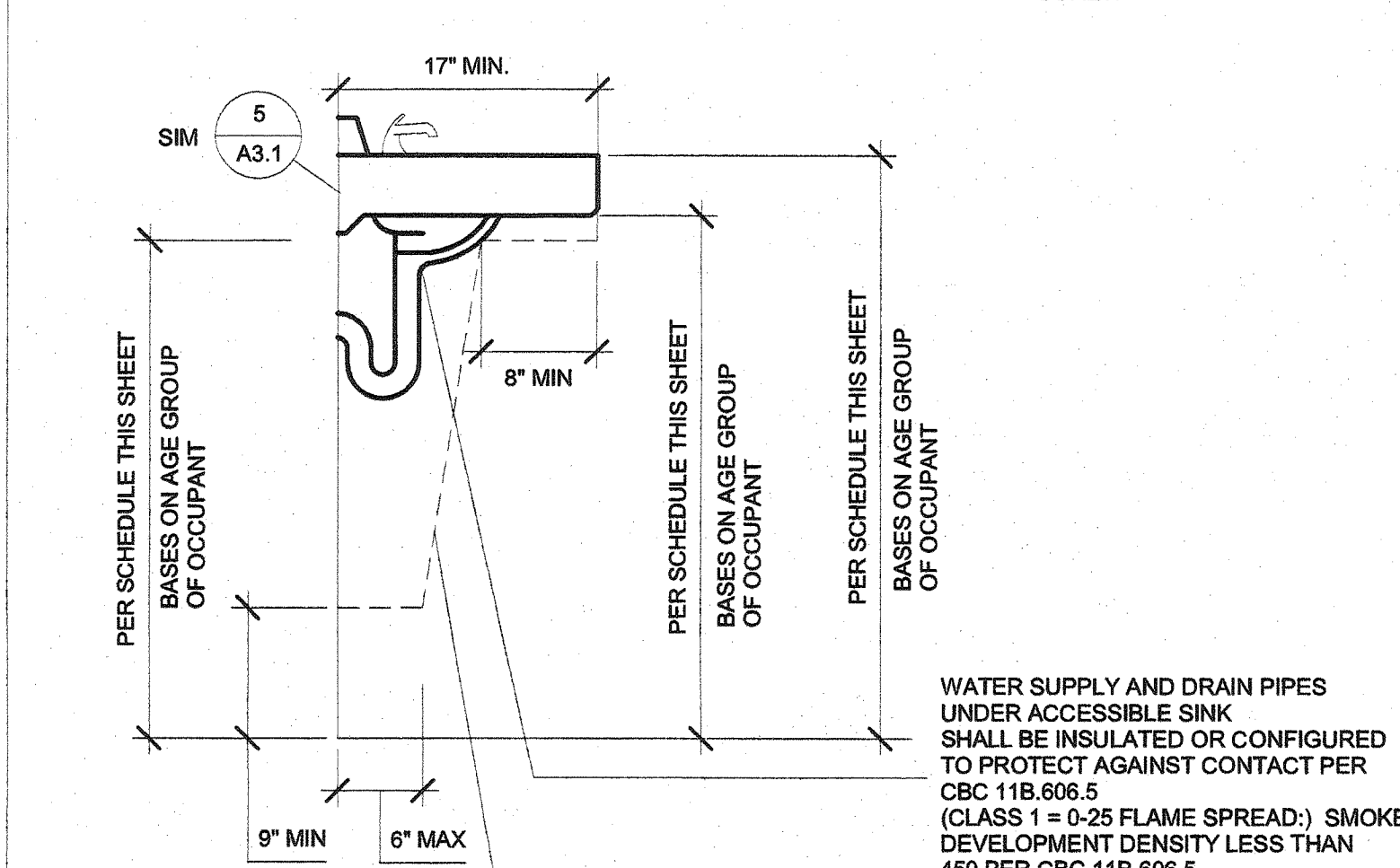
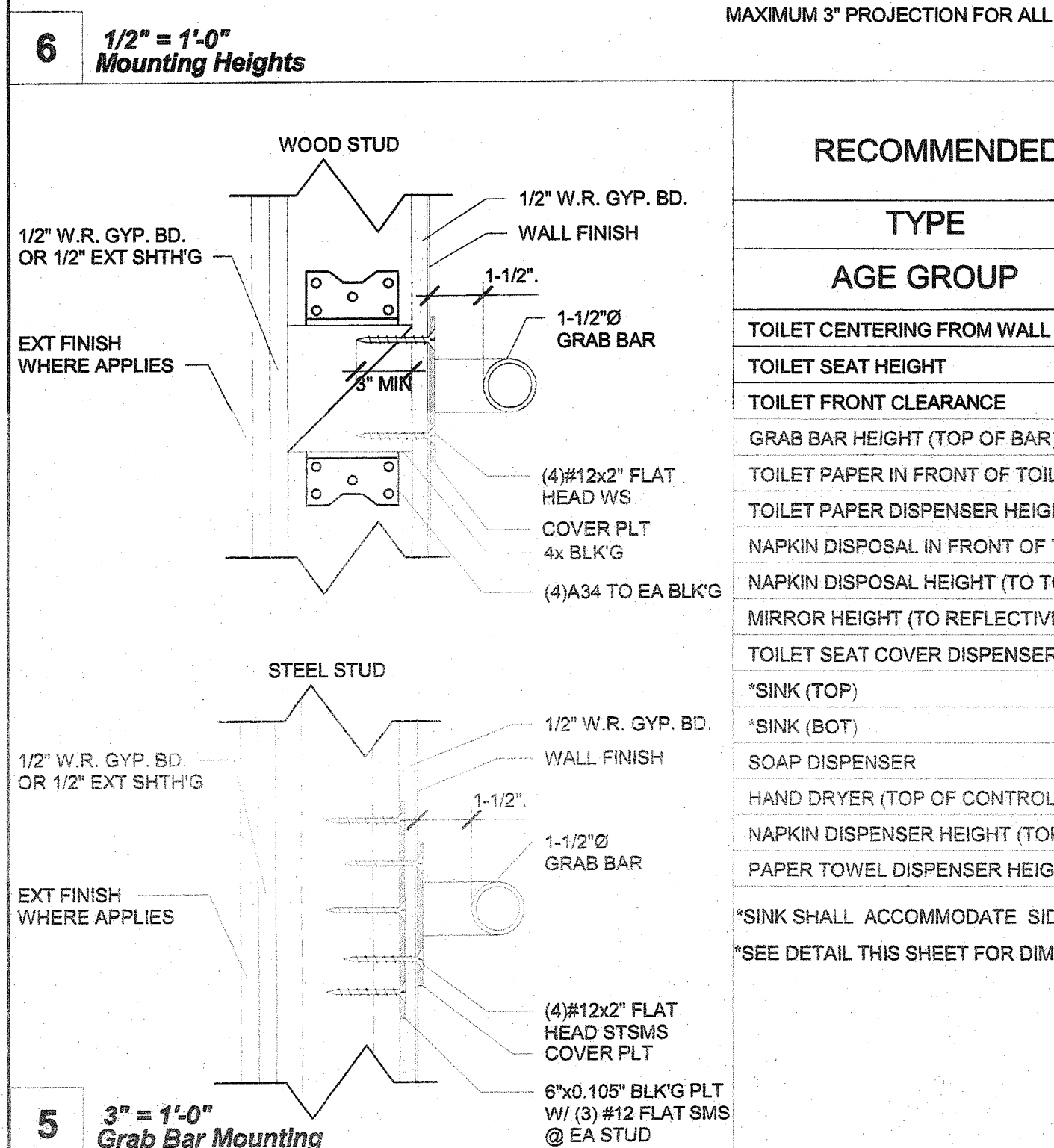
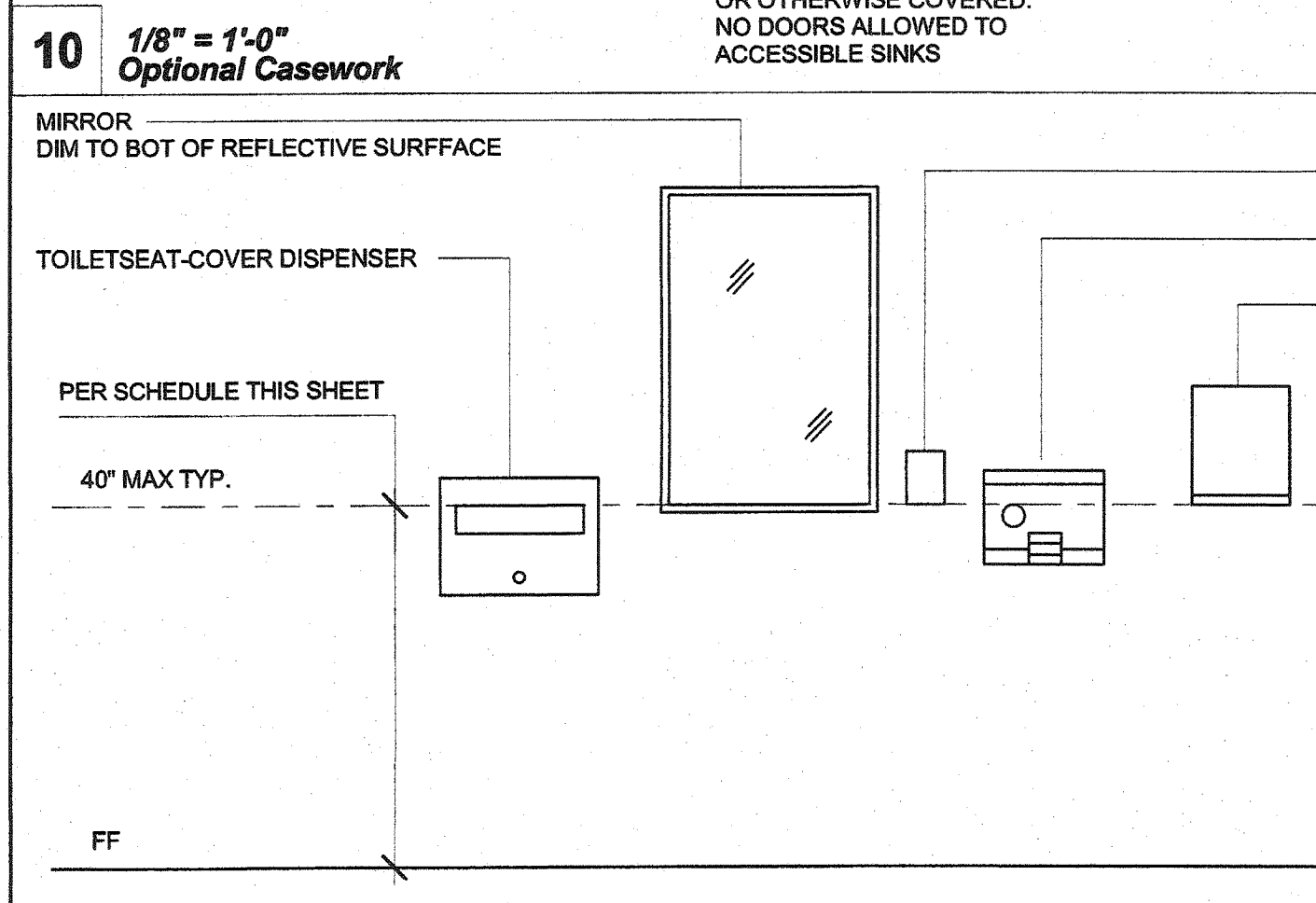
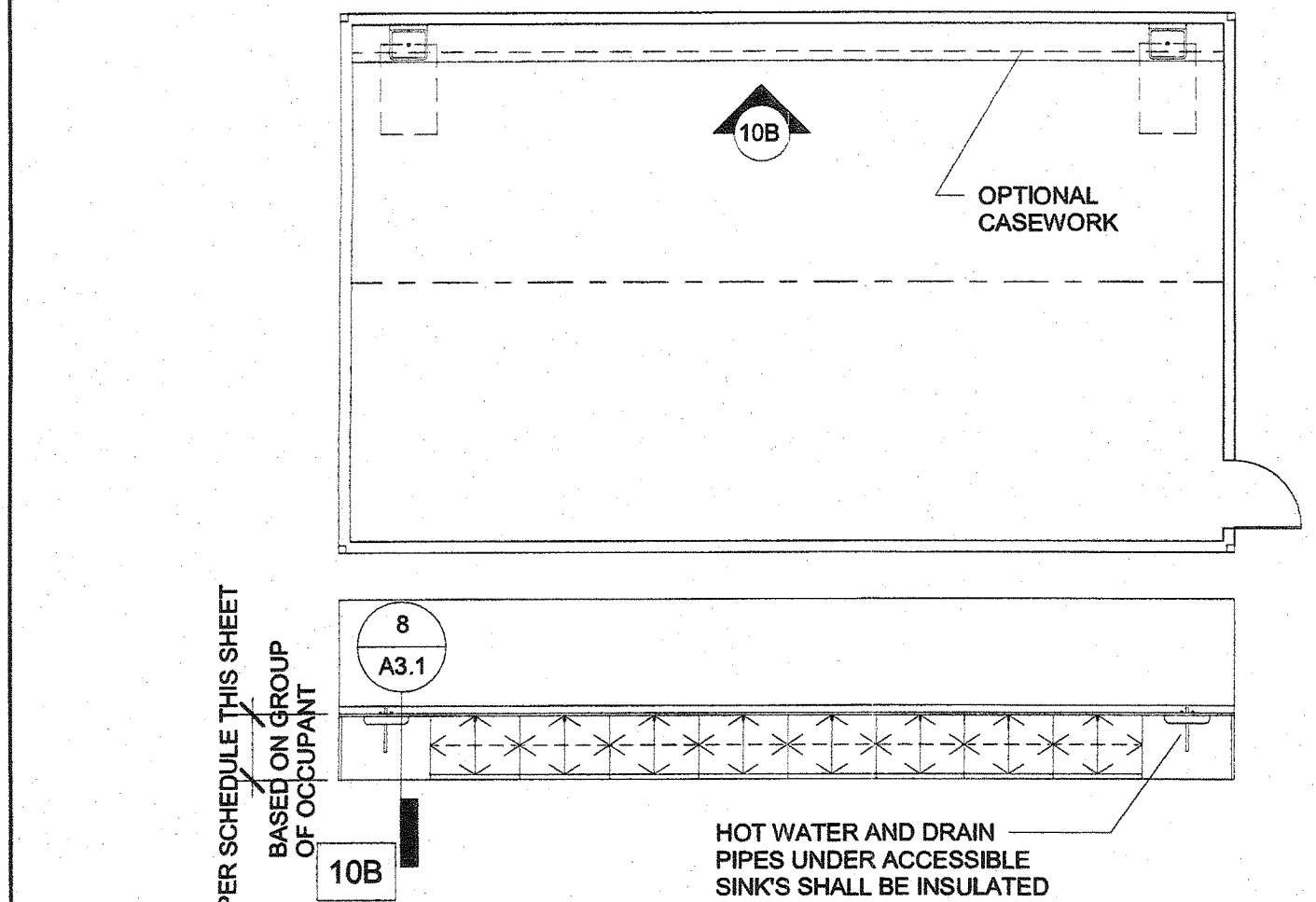
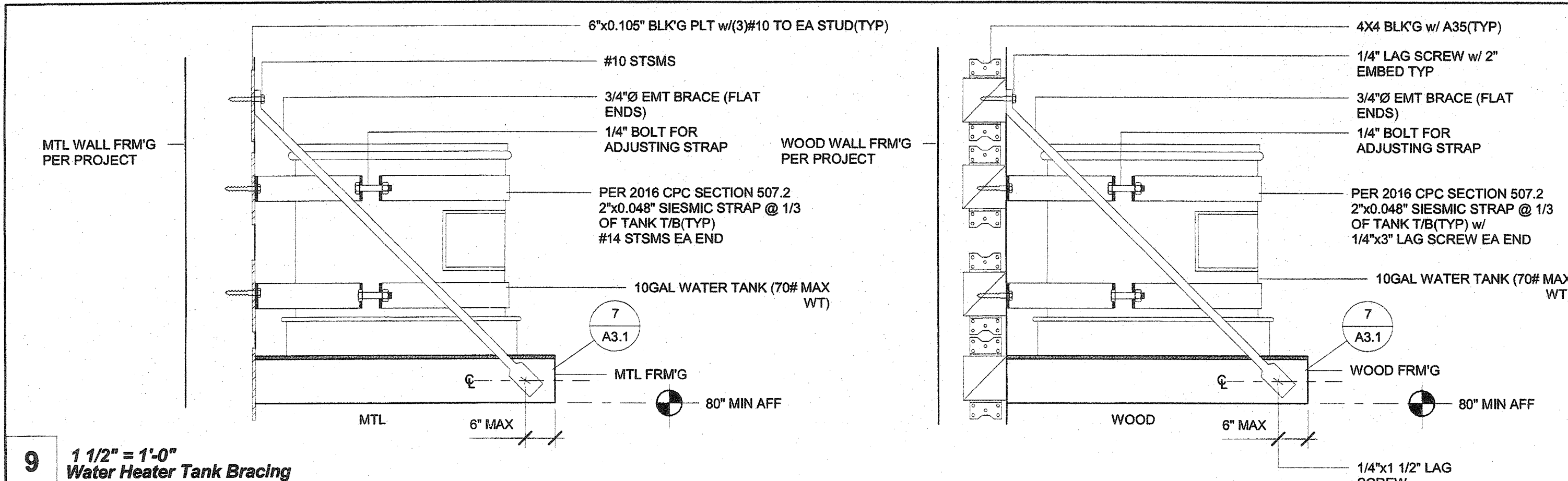
Revision Schedule

#	Description	Date

SHEET TITLE
SINGLE OCC. BATHROOM

PROJECT NUMBER
 17016A
 DRAWN BY
 rMc/SC
 CHECKED BY
 JA/RT
 DATE
 2017/06/05
 SHEET NO.
A3.1

SHEET OF SHEETS

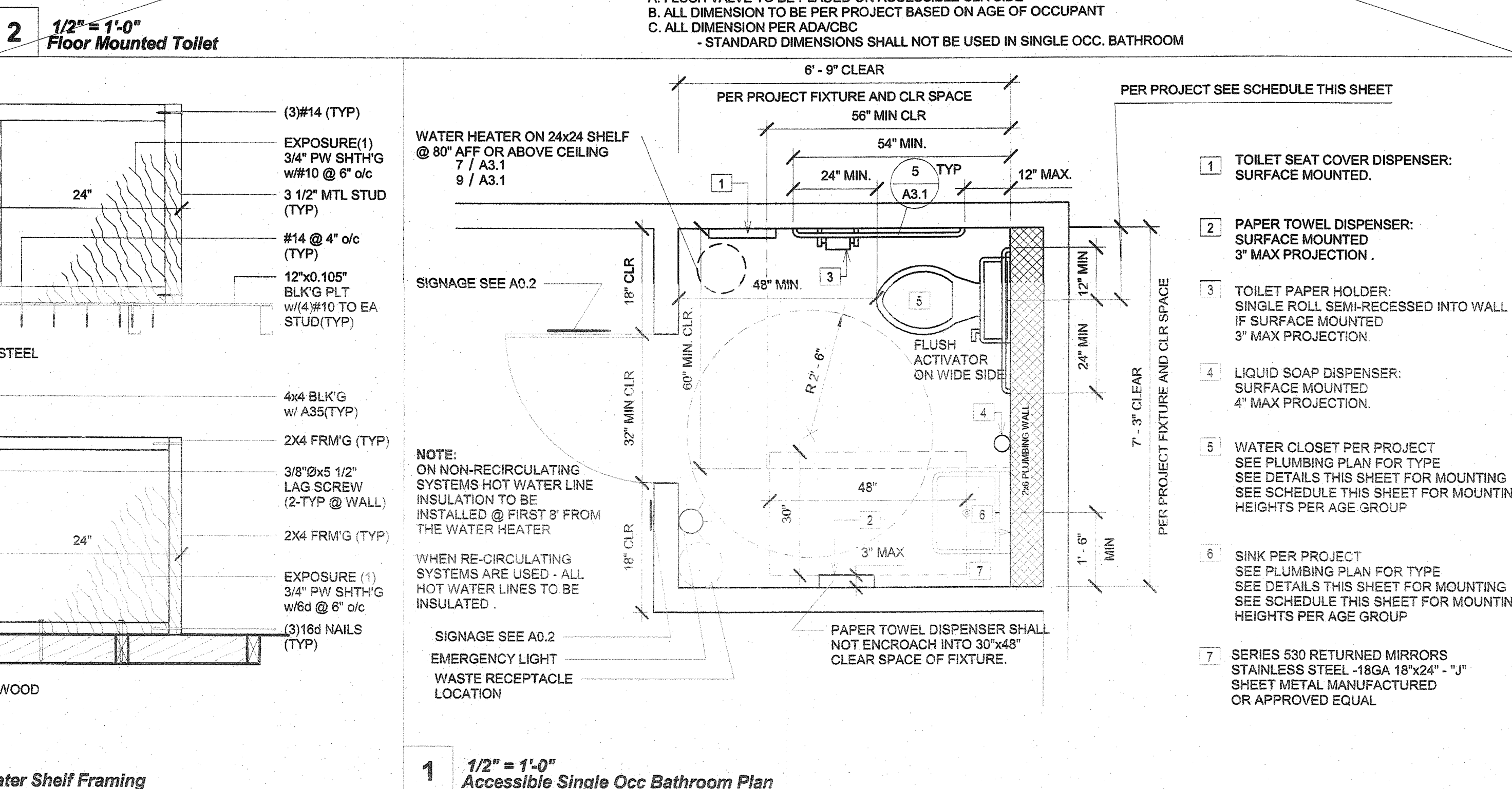
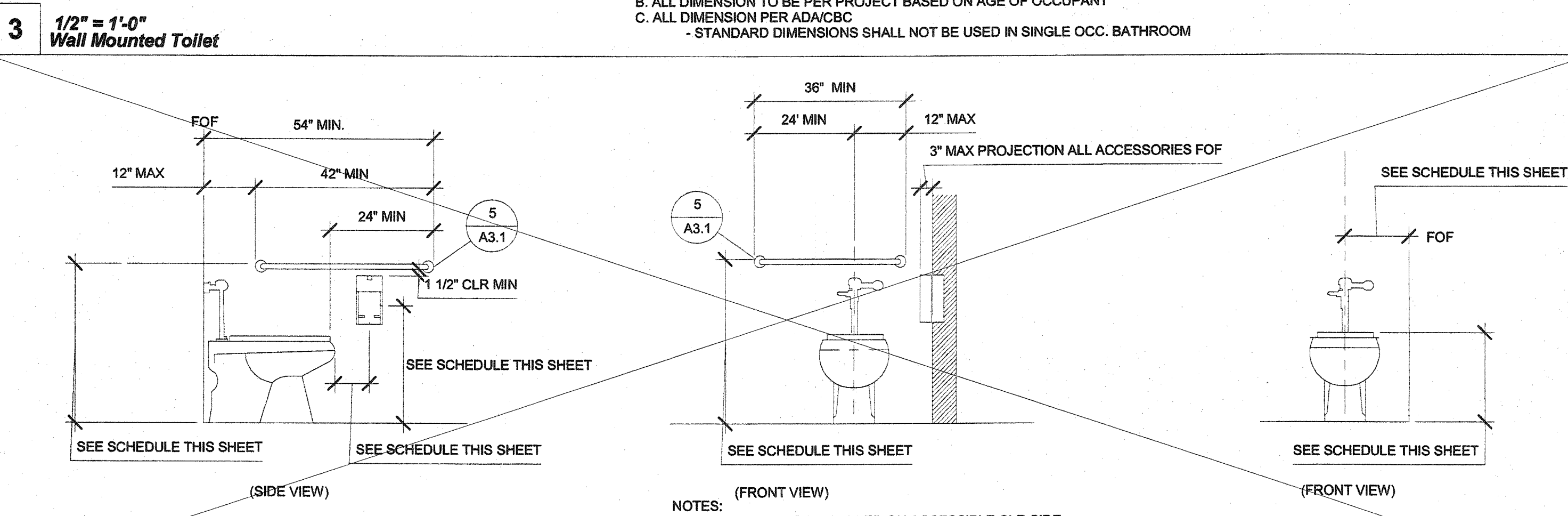
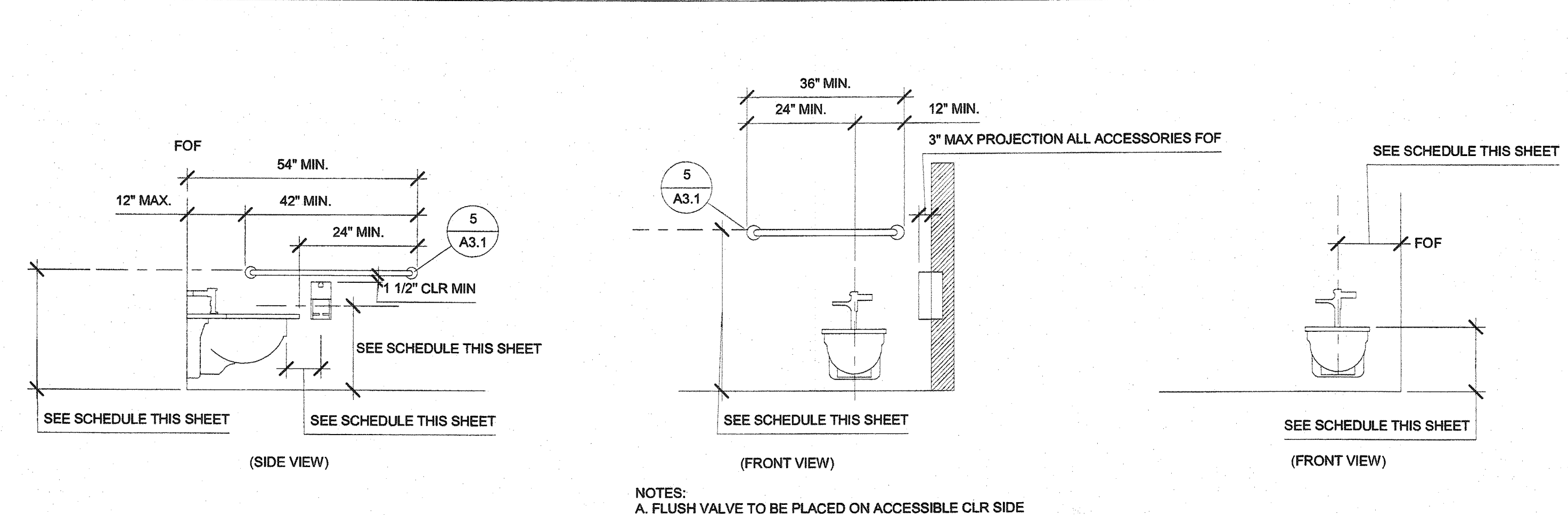
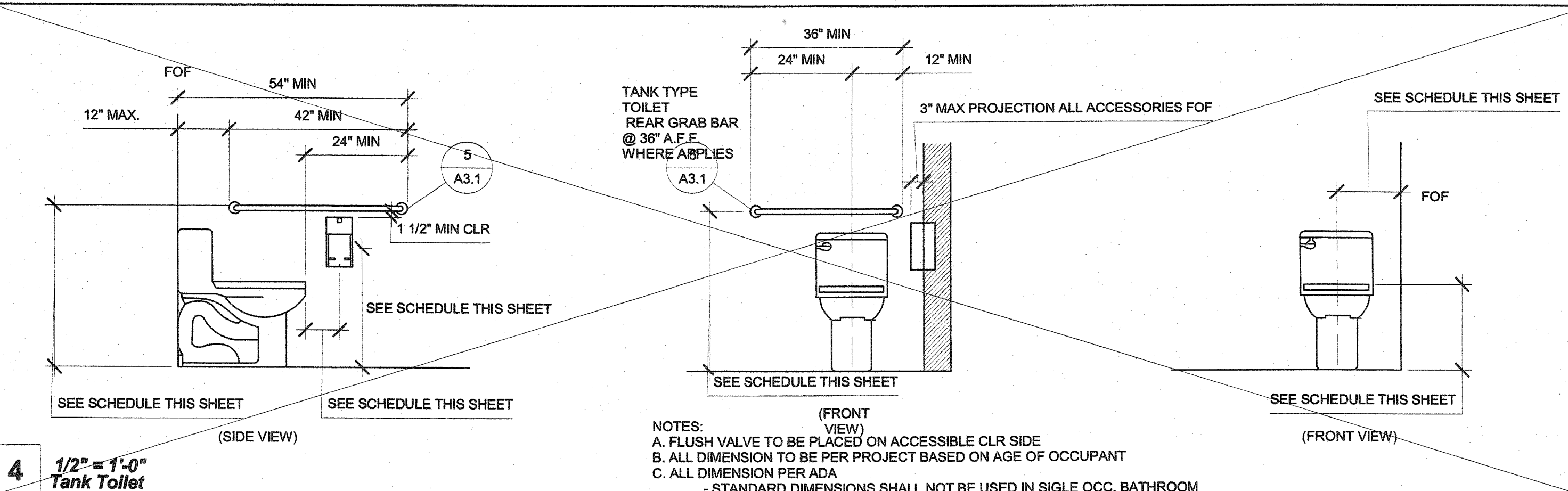


SEE ALT-05 SHEET FOR FLOOR MOUNTING HEIGHTS

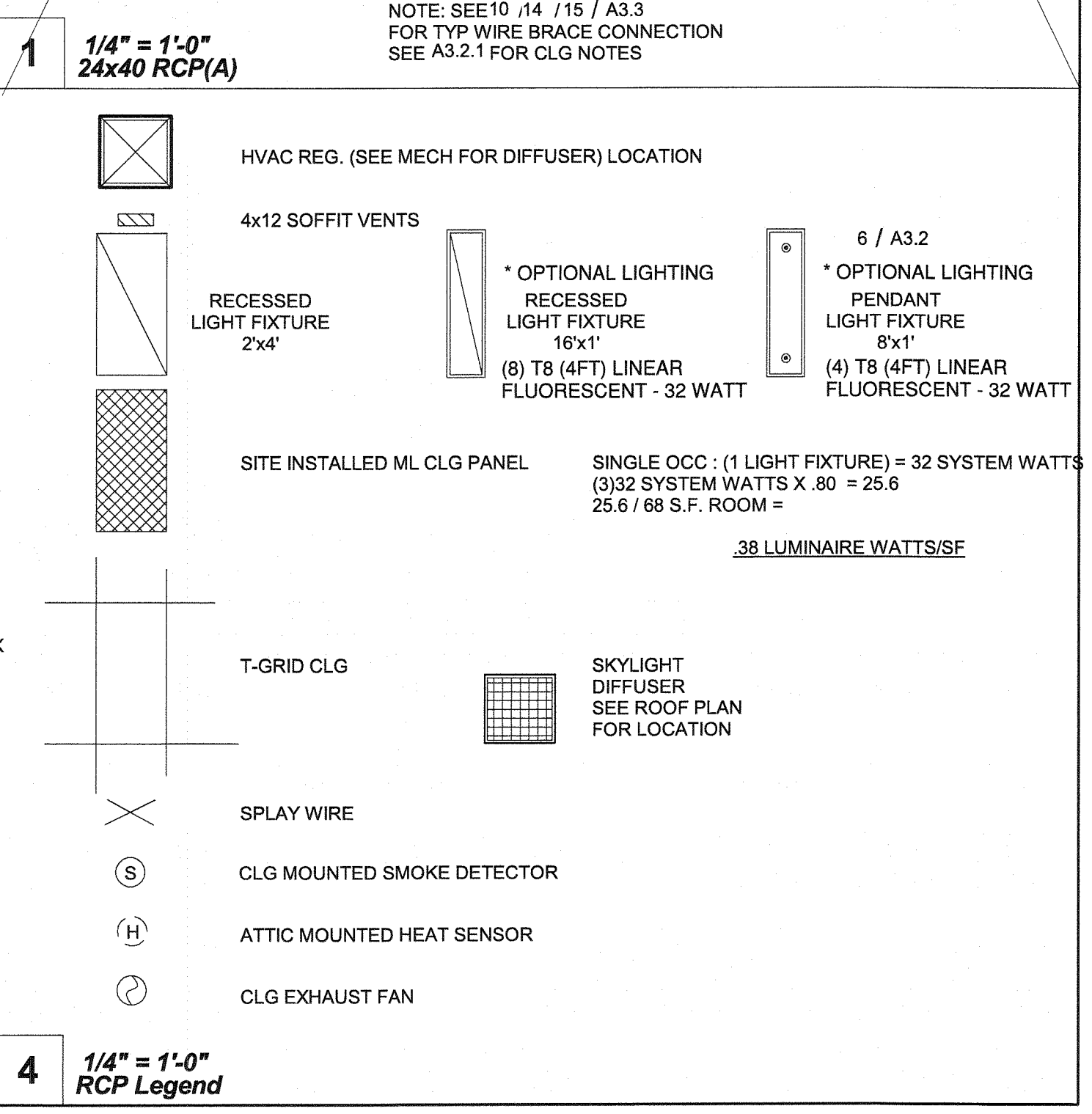
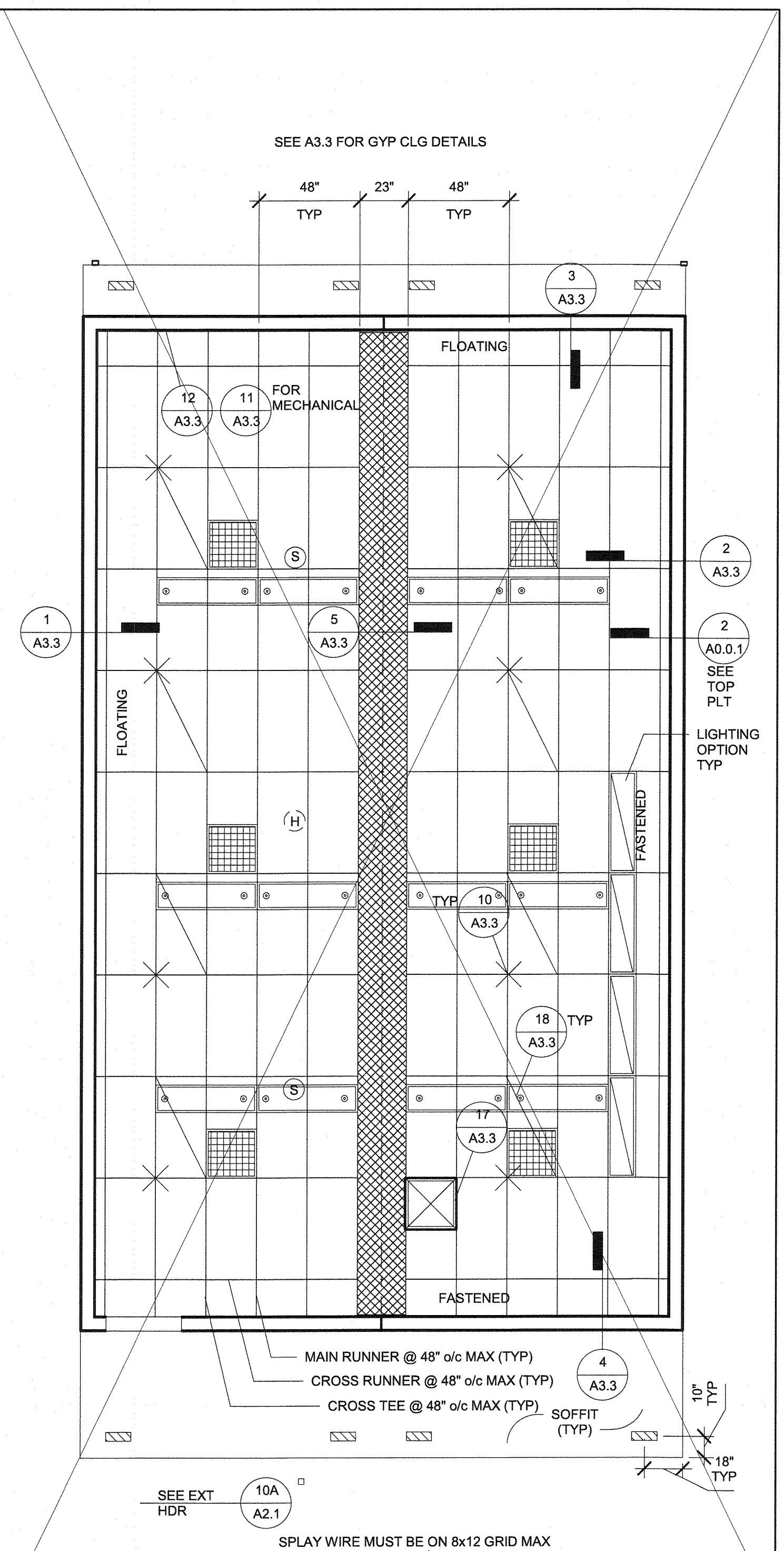
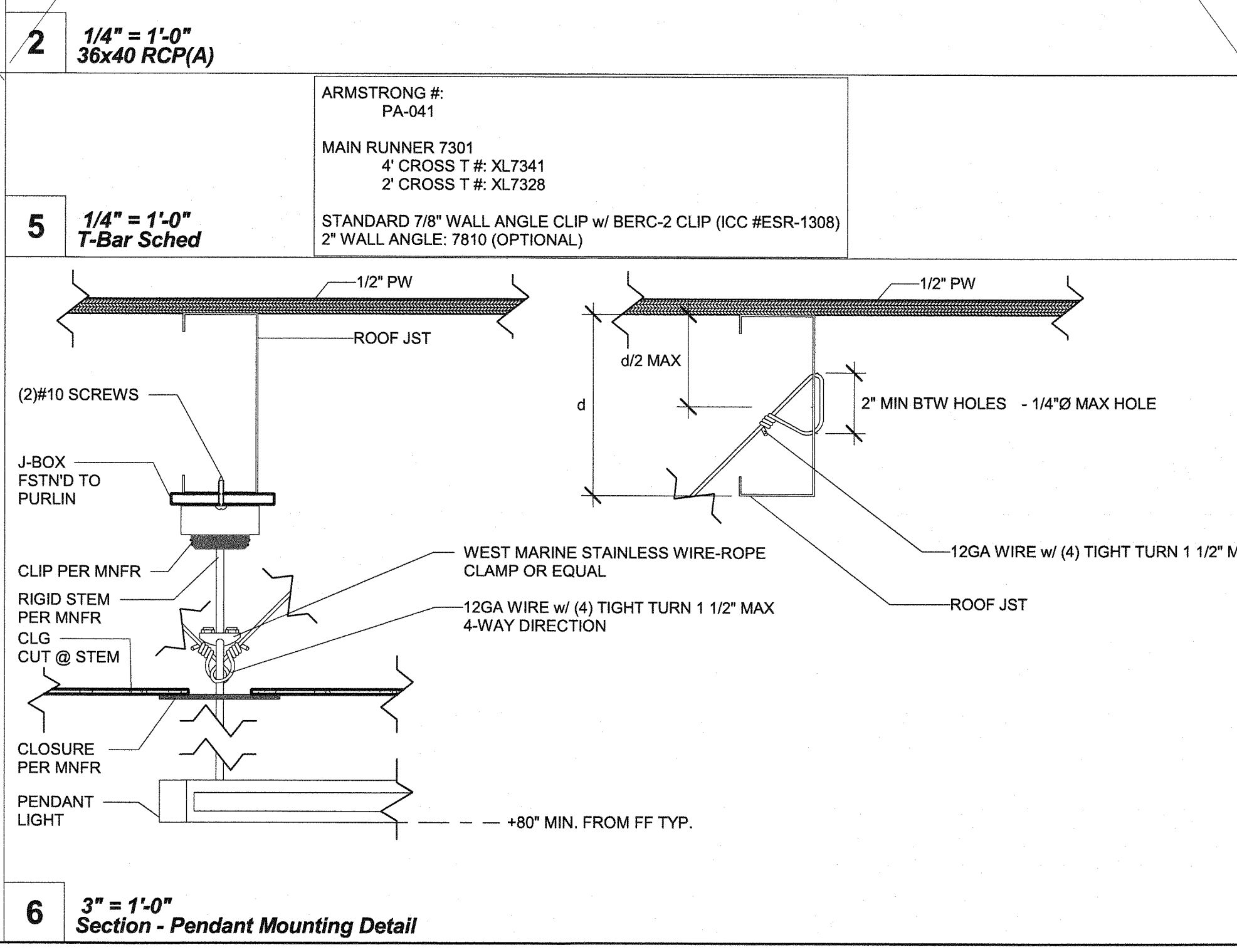
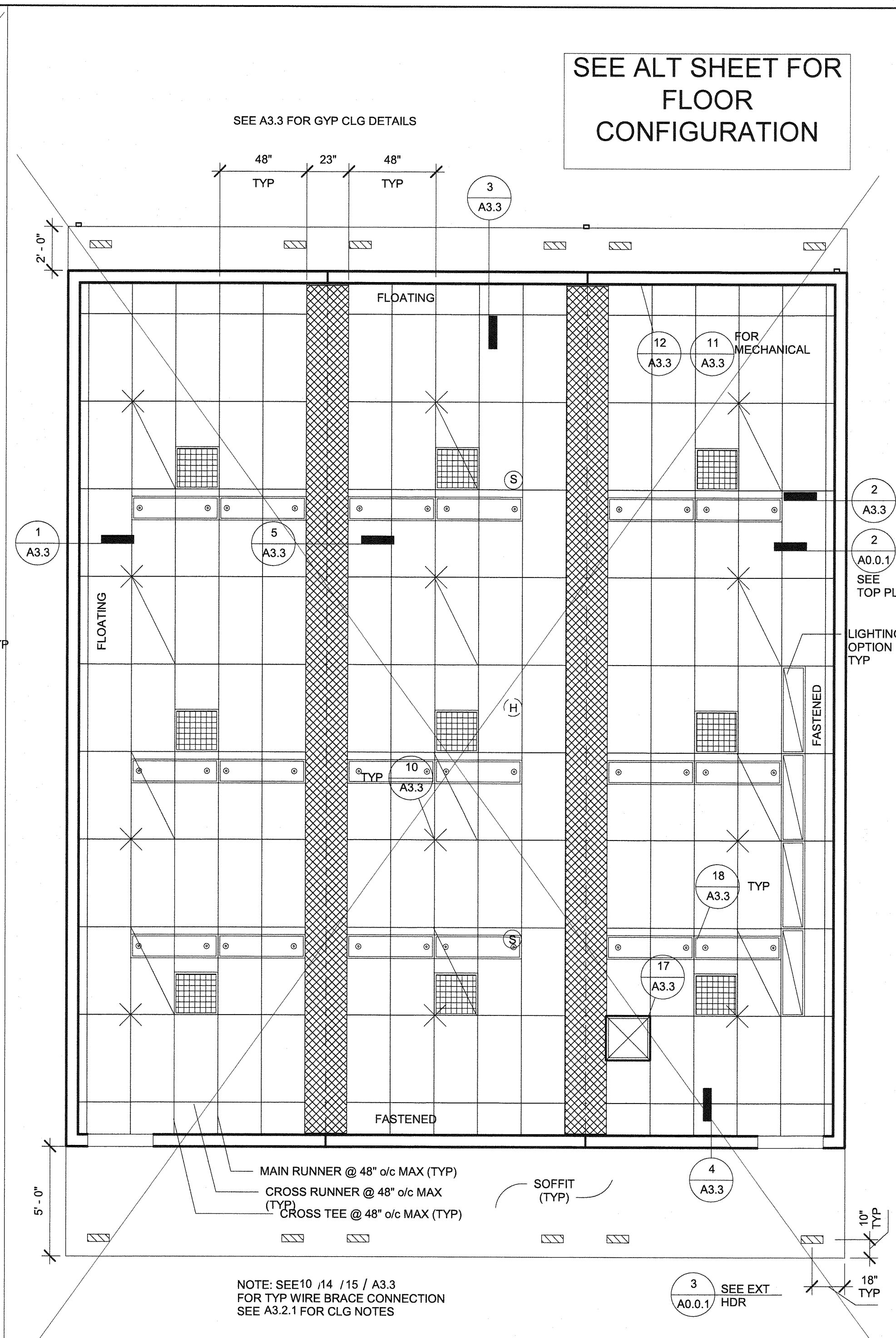
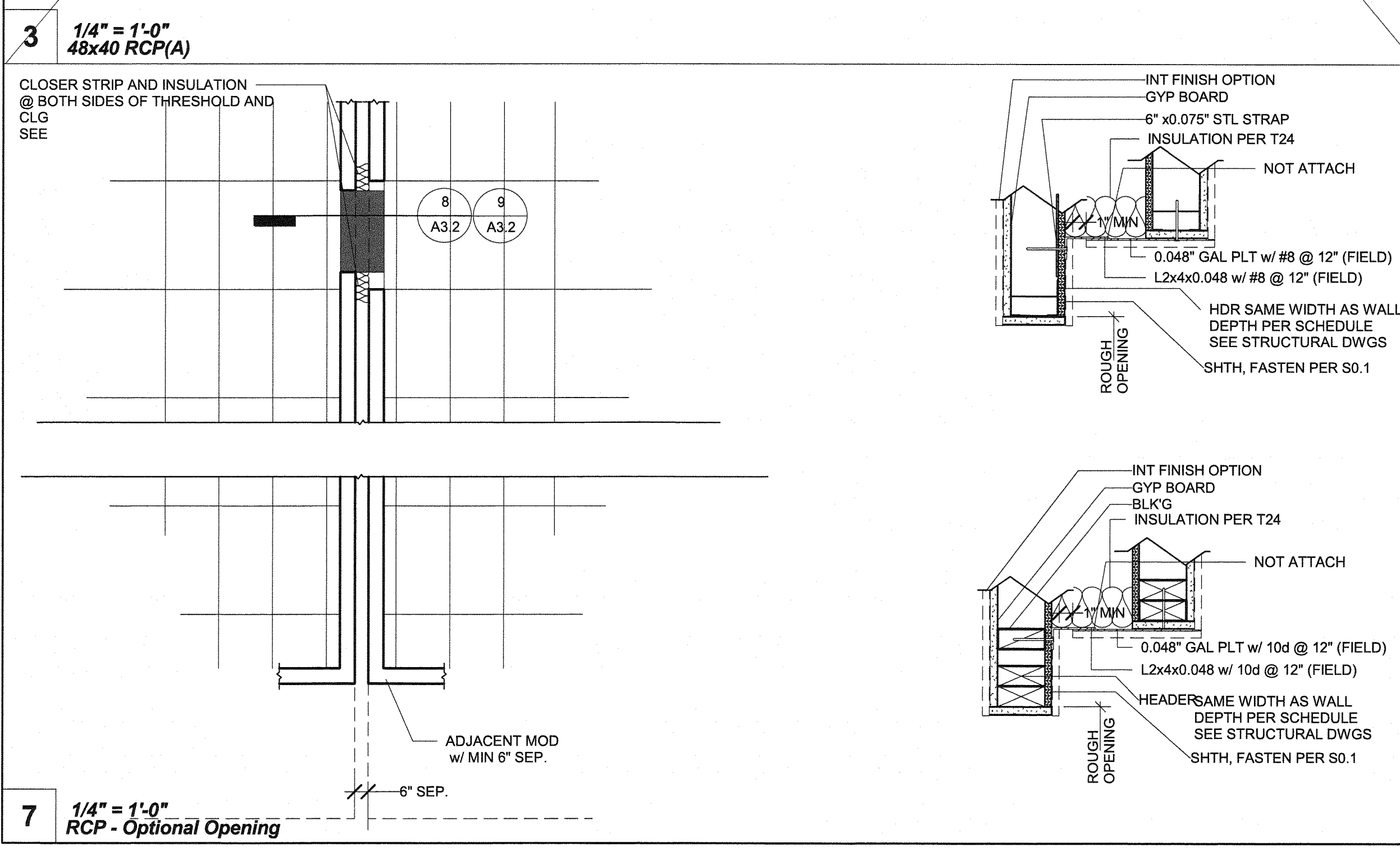
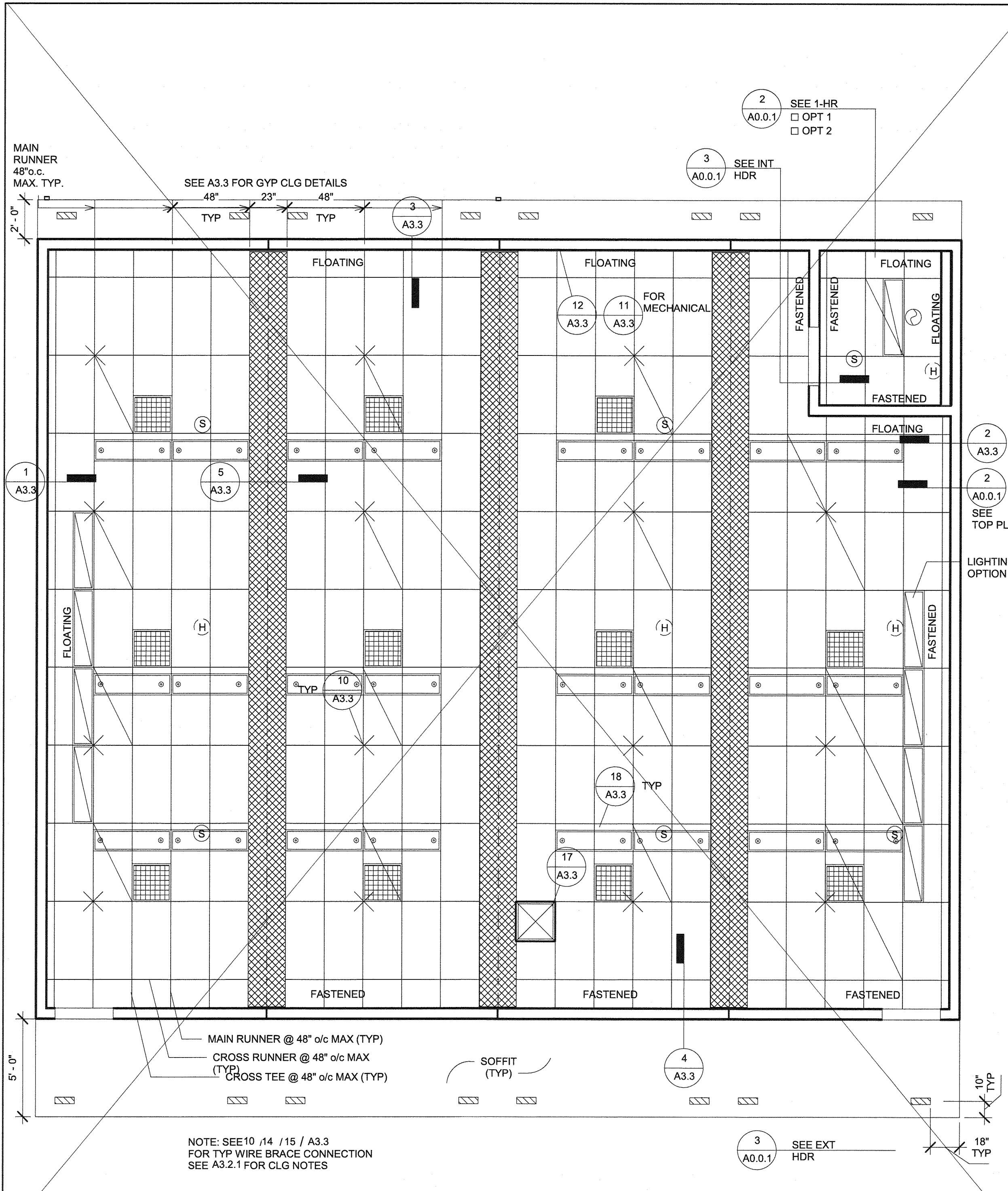
RECOMMENDED ACCESSIBLE MOUNTING HEIGHT PER CBC TABLE 11B609.4

TYPE	ADA ADULT	AGE 12 AND UP	AGES 9 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL	17" - 18"	17" - 18"	15" - 18"	12" - 15"	12"
TOILET SEAT HEIGHT	17" - 19"	17" - 19"	15" - 17"	12" - 15"	11" - 12"
TOILET FRONT CLEARANCE	48"	48"	48"	48"	48"
GRAB BAR HEIGHT (TOP OF BAR)	33" - 36"	33" - 36"	25" - 27"	20" - 25"	18" - 20"
TOILET PAPER IN FRONT OF TOILET	8" MAX.	7" - 9"	7" - 9"	7" - 9"	7" - 9"
TOILET PAPER DISPENSER HEIGHT (CENTER)	19" MIN.	19" MIN.	17" - 19"	14" - 17"	14"
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX.	12" MAX.	N/A	N/A	N/A
NAPKIN DISPOSAL HEIGHT (TO TOP)	25" - 30"	25" - 30"	25" - 30"	N/A	N/A
MIRROR HEIGHT (TO REFLECTIVE SURFACE)	40" MAX.	40" MAX.	40" MAX.	36" MAX.	32" MAX.
TOILET SEAT COVER DISPENSER HEIGHT	40"	40"	40"	36"	32"
*SINK (TOP)	34" MAX.	34" MAX.	34" MAX.	31" MAX.	*24" MAX.
*SINK (BOT)	29" MIN.	29" MIN.	27" MIN.	24" MIN.	19" MIN.
SOAP DISPENSER	40" MAX.	40" MAX.	40" MAX.	36" MAX.	32" MAX.
HAND DRYER (TOP OF CONTROL)	40" MAX.	40" MAX.	40" MAX.	36" MAX.	32" MAX.
NAPKIN DISPENSER HEIGHT (TOP OF DISP.)	40" MAX.	40" MAX.	40" MAX.	N/A	N/A
PAPER TOWEL DISPENSER HEIGHT	40" MAX.	40" MAX.	40" MAX.	36" MAX.	32" MAX.

*SINK SHALL ACCOMMODATE SIDE APPROACH w/ 30x48 CLR SPACE
 *SEE DETAIL THIS SHEET FOR DIMENSIONS AND NOTES ON KNEE AND TOE CLEARANCE



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REGISTERED PROFESSIONAL ARCHITECT
MANNING D. FRIEDMAN
STRUCTURAL
STATE OF CALIFORNIA
12/19/2017

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CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
FILE NUMBER: PC-128
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116504 INCR: 0
AC_RM_FL5_EA_ESR_KER
DATE 07/19/2018

PROJECT TITLE
24' x 40' EXPANDABLE TO 120' x 40'

PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 119164
ACS FL5 EA SS
DATE MAR 17 2020

Revision Schedule		
#	Description	Date

SHEET TITLE
RCP

PROJECT NUMBER
17016A

DRAWN BY
rMc/SC

CHECKED BY
JA/RT

DATE
2017/06/05

SHEET NO.
A3.2

SHEET OF SHEETS

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1. CEILING SYSTEM GENERAL NOTES:

- 1.01 Ceiling system components shall comply with ASTM C635-07 and Section 5.1 of ASTM E580-10a.
- 1.02 The ceiling grid system must be rated heavy duty as defined by ASTM C635-08.
- 1.03 Ceiling systems. The following ceiling system(s) is/are part of the scope of this project: **[For each system used, the RDP shall indicate in the construction documents, the information that follows]**

Manufacturer's Name ARMSTRONG
 Product Evaluation Report Type and Number PA-041
 Manufacturer's Model Number - main runner 7301 (SEE A3.2)
 Manufacturer's catalog number - cross runner 4 CROSS T # XL7328
 2 CROSS T # XL7328

- 1.04 Seismic Wall Clip: **[RDP to specify if used]**
 STANDARD 7/8" WALL ANGLE CLIP w/ BERC-2 CLIP (ICC #ESR-1308)
 Manufacturer's Model 2" WALL ANGLE 7810 (OPTIONAL)

- 1.05 Ceiling panels shall not support any light fixtures, air terminals or devices.
- 1.06 For ceiling installations utilizing acoustical tile panels of mineral or glass fiber, it is not mandatory to provide 3/4" clearance between the acoustical tile panels and the wall on the sides of the ceiling which are free to slip. For all other ceiling panel types, provide 3/4" clearance between the ceiling panel and the wall on the sides of the ceiling free to slip.

2. MATERIALS:

- 2.01 Ceiling wire shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641-09a. Wire shall be #12 gage (0.106" diameter) with soft temper and minimum tensile strength = 70 ksi.
- 2.02 Galvanized sheet steel (including that used for metal stud and track compression struts/post) shall conform to ASTM A653-11, or other equivalent sheet steel listed in Section A2.1 of the North American Specification for the Design of Cold-Formed Steel Structural Members 2007, including supplement 2 dated 2010 (AISI S100-07/S2-10). Material 43 mil (18 gage) and lighter shall have minimum yield strength of 33 ksi. Material 54 mil (16 gage) and heavier shall have a minimum yield strength of 50 ksi.
- 2.03 Electrical metallic tube (EMT) shall be ANSI C80.3/UL 797 carbon steel with G90 galvanizing. EMT shall have minimum yield strength (Fy) of 30 ksi and minimum ultimate strength (Fu) of 48 ksi.

3. ATTACHMENT OF HANGER AND BRACING WIRES:

- 3.01 Separate all ceiling hanger and bracing wires at least six (6) inches from all unbraced ducts, pipes, conduit, etc.
- 3.02 Hanger and bracing wires shall not attach to or bend around obstructions including but not limited to: piping, ductwork, conduit and equipment.
- 3.03 Hanger wires that are more than one (horizontal) in six (vertical) out of plumb shall have counter-sloping wires.
- 3.04 Slack safety wires shall be considered hanger wires for installation and testing requirements.
- 3.05 Hanger and bracing wire anchorage to the structure shall be installed in such a manner that the direction of the anchorage aligns closely with the direction of the wire. (e.g. bracing wire ceiling clips must be bent as shown in the details and rotated as required to align closely with the direction of the wire, screw eyes in wood must be installed so they align closely with the direction of the wire, etc.)

4. FASTENERS AND WELDING:

- 4.01 Sheet metal screws shall comply with ASTM C1513-10, ASME B18.6.4-89 (R2005). Penetration of screws through joined material shall not be less than three exposed threads.
- 4.02 Expansion anchors shall be not applicable.
- 4.03 Power-Actuated Fasteners shall be not applicable.
- 4.04 If not otherwise specified in the evaluation report, power-actuated fasteners installed in steel shall be installed so the entire pointed end of the fastener is driven through the steel member.
- 4.05 Power-actuated fasteners in concrete are not permitted for bracing wires.
- 4.06 Concrete reinforcement and prestressing tendons shall be located by non-destructive means prior to installing post - installed anchor.
- 4.07 Welding shall be in accordance with AWS D1.3 using E60XX series electrodes.

5. TESTING: All field testing must be performed in the presence of the project inspector.

- 5.01 Post-installed anchors in concrete used to support hanger wires shall be tested at a frequency of 10 percent. Power actuated fasteners in concrete shall be field tested for 200 lbs. in tension. All other post-installed anchors in concrete shall be tested in accordance with CBC Section 1913A.7.
- 5.02 Post-installed anchors in concrete used to attach bracing wires shall be tested at a frequency of 50 percent in accordance with CBC Section 1913A.7.

6. LIGHT FIXTURES:

- 6.01 All light fixtures shall be positively attached to the ceiling suspension systems by mechanical means to resist a horizontal force equal to the weight of the fixture. A minimum of two screws or approved fasteners are required at each light fixture, per ASTM E580, Section 5.3.1.
- 6.02 Surface-mounted light fixtures shall be attached to the main runner with at least two positive clamping devices. The clamping device shall completely surround the supporting ceiling runner and be made of steel with a minimum thickness of #14 gage. Rotational spring catches do not comply. A #12 gage slack safety wire shall be connected from each clamping device to the structure above. Provide additional supports when light fixtures are eight (8) feet or longer or exceed 56 lb. Maximum spacing between supports shall not exceed eight (8) feet.
- 6.03 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.
- 6.04 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.
- 6.05 Light fixtures weighing greater than 10 lb. but less than or equal to 56 lbs. may be supported directly on the ceiling runners, but they shall have a minimum of two (2) #12 gage slack safety wires connected from the fixture housing at diagonal corners to the structure above.
 Exception: All light fixtures greater than two by four feet weighing less than 56 lbs. shall have a #12 gage slack safety wire at each corner.
- 6.06 All light fixtures weighing greater than 56 lb. shall be independently supported by not less than four (4) taut #12 gage hanger wires (one at each corner) attached from the fixture housing to the structure above or other approved hangers. The four (4) taut #12 gage wires or other approved hangers, including their attachment to the structure above, shall be capable of supporting four (4) times the weight of the fixture.

7. SERVICES WITHIN THE CEILING:

- 7.01 All flexible sprinkler hose fitting mounting brackets, ceiling-mounted air terminals or other services shall be positively attached to the ceiling suspension systems by mechanical means. Screws or approved fasteners are required. A minimum of two attachments are required at each component.
- 7.02 Ceiling-mounted air terminals or other services weighing less than or equal to 20 lb. shall have one (1) #12 gage slack safety wire attached from the terminal or service to the structure above.
- 7.03 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 20 lb. but less than or equal to 56 lb. shall have two (2) #12 gage slack safety wires (at diagonal corners) connected from the terminal or service to the structure above.
- 7.04 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 56 lb. shall be supported directly from the structure above by not less than four (4) taut #12 gage hanger wires attached from the terminal or service to the structure above or other approved hangers.

8. OTHER DEVICES WITHIN THE CEILING:

- 8.01 All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid. In addition, devices weighing more than 10 lbs. shall have a #12 gage slack safety wire anchored to the structure above. Devices weighing more than 20 lb. shall be supported independently from the structure above.

Basis Document:	DSA IR 25-2.13	Sheet No:	
Sheet Title:	rev. 09-21-15		1.00
Ceiling Notes			

DSA IR 25-2.13 - Appendix A (rev 09/21/15)

3 of 51

Basis Document:	DSA IR 25-2.13	Sheet No:	
Sheet Title:	rev. 09-21-15		1.01
Ceiling Notes			

DSA IR 25-2.13 - Appendix A (rev 09/21/15)

4 of 51

Basis Document:	DSA IR 25-2.13	Sheet No:	
Sheet Title:	rev. 09-21-15		1.02
Ceiling Notes			

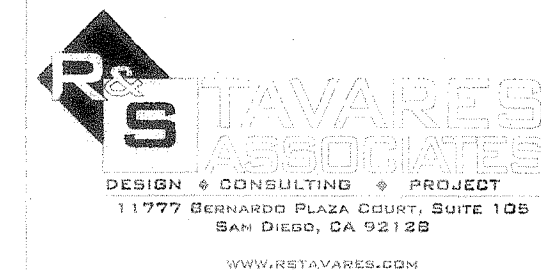
DSA IR 25-2.13 - Appendix A (rev 09/21/15)

5 of 51

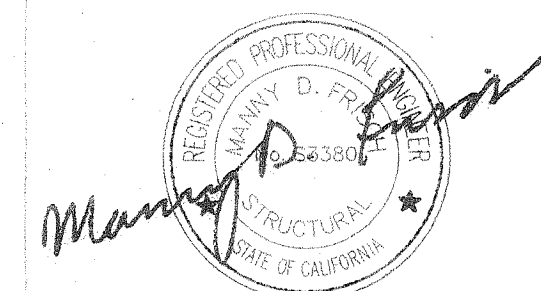
Basis Document:	DSA IR 25-2.13	Sheet No:	
Sheet Title:	rev. 09-21-15		1.03
Ceiling Notes			

DSA IR 25-2.13 - Appendix A (rev 09/21/15)

6 of 51



PROFESSIONAL STAMP



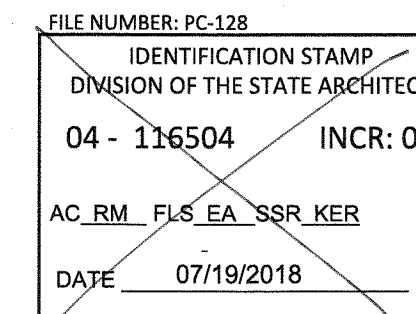
12/19/2017

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CLIENT



ORIGINAL PC STATE AGENCY APPROVAL

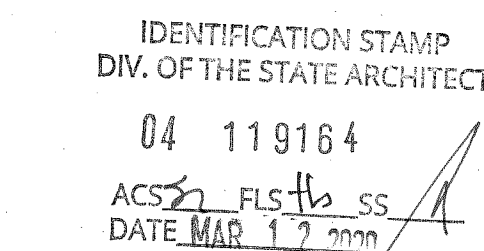


PROJECT TITLE

24' x 40'
EXPANDABLE TO
120' x 40'

PRE-CHECK (PC) DOCUMENT
Code: [2016] CBC
A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule

Description Date

SHEET TITLE
CEILING NOTES

PROJECT NUMBER

17016A

DRAWN BY

rMc/SC

CHECKED BY

JA/RT

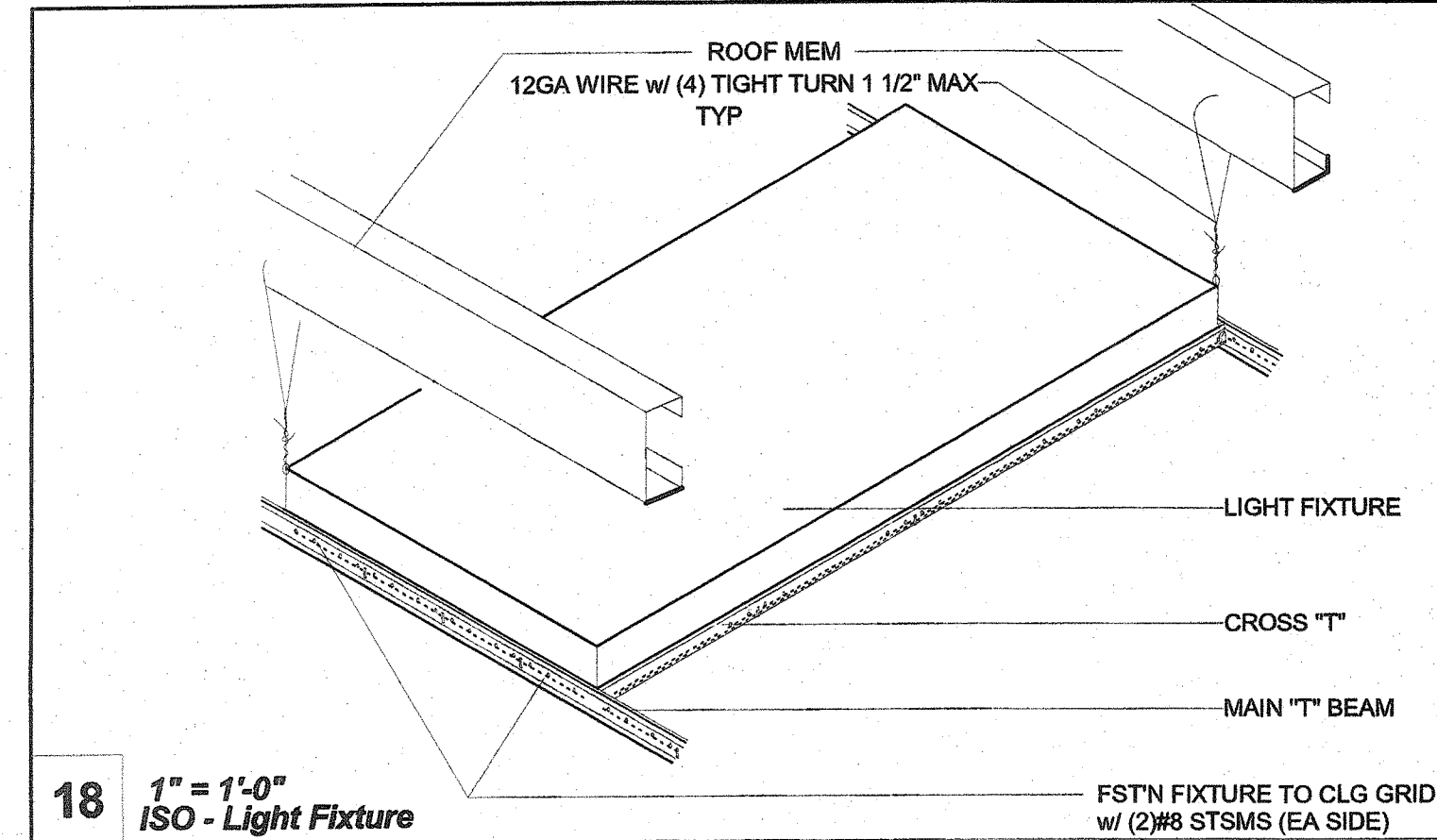
DATE

2017/06/05

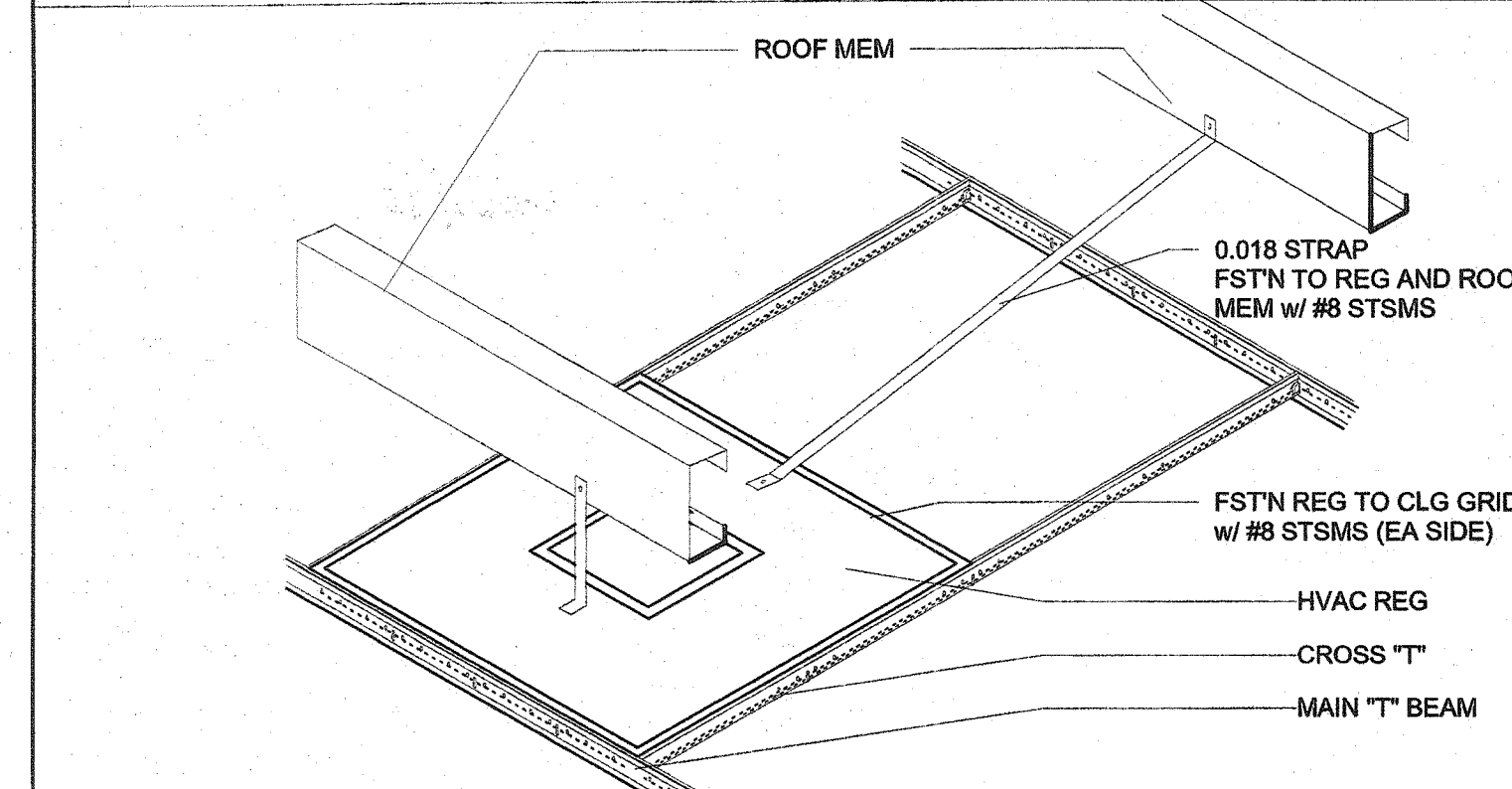
SHEET NO.

A3.2.1

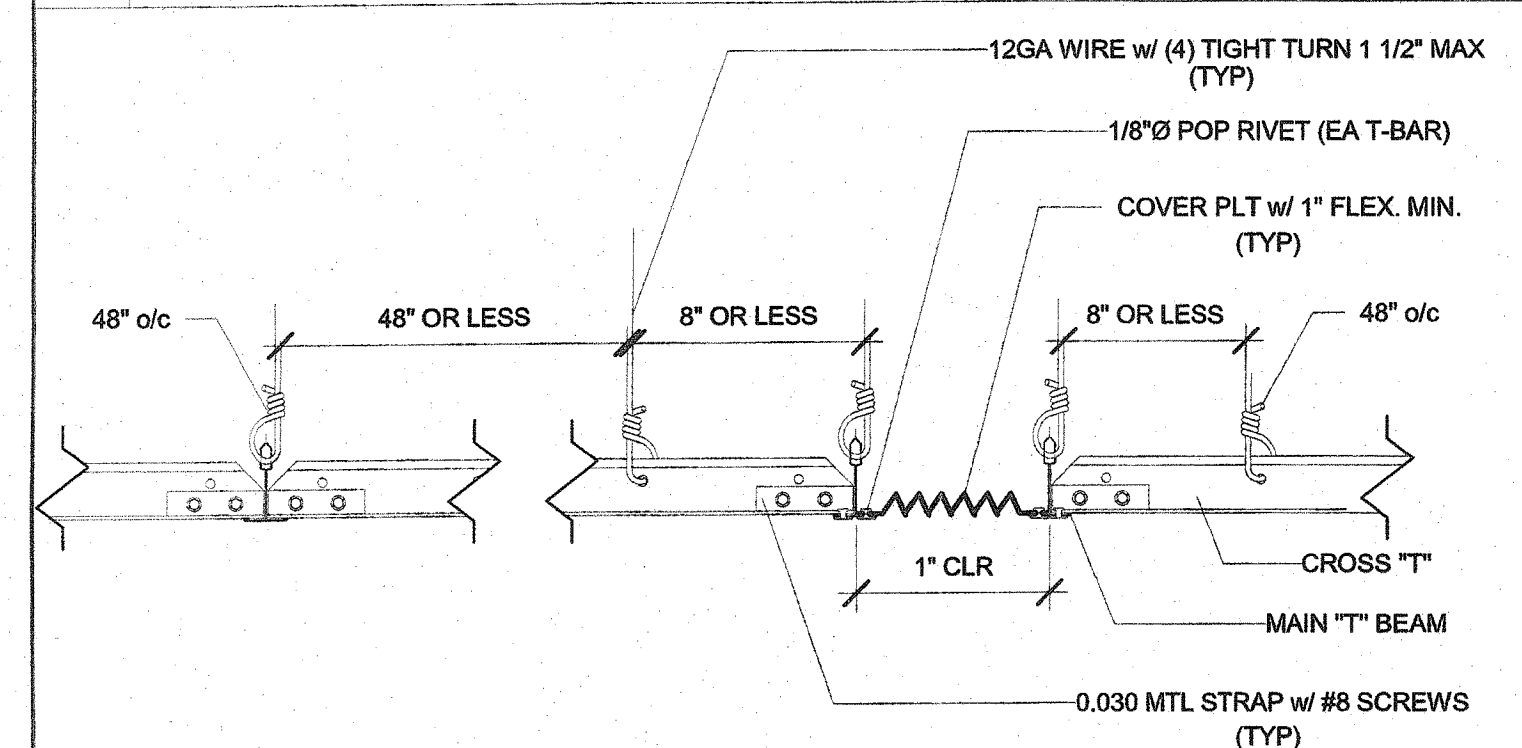
SHEET OF SHEETS



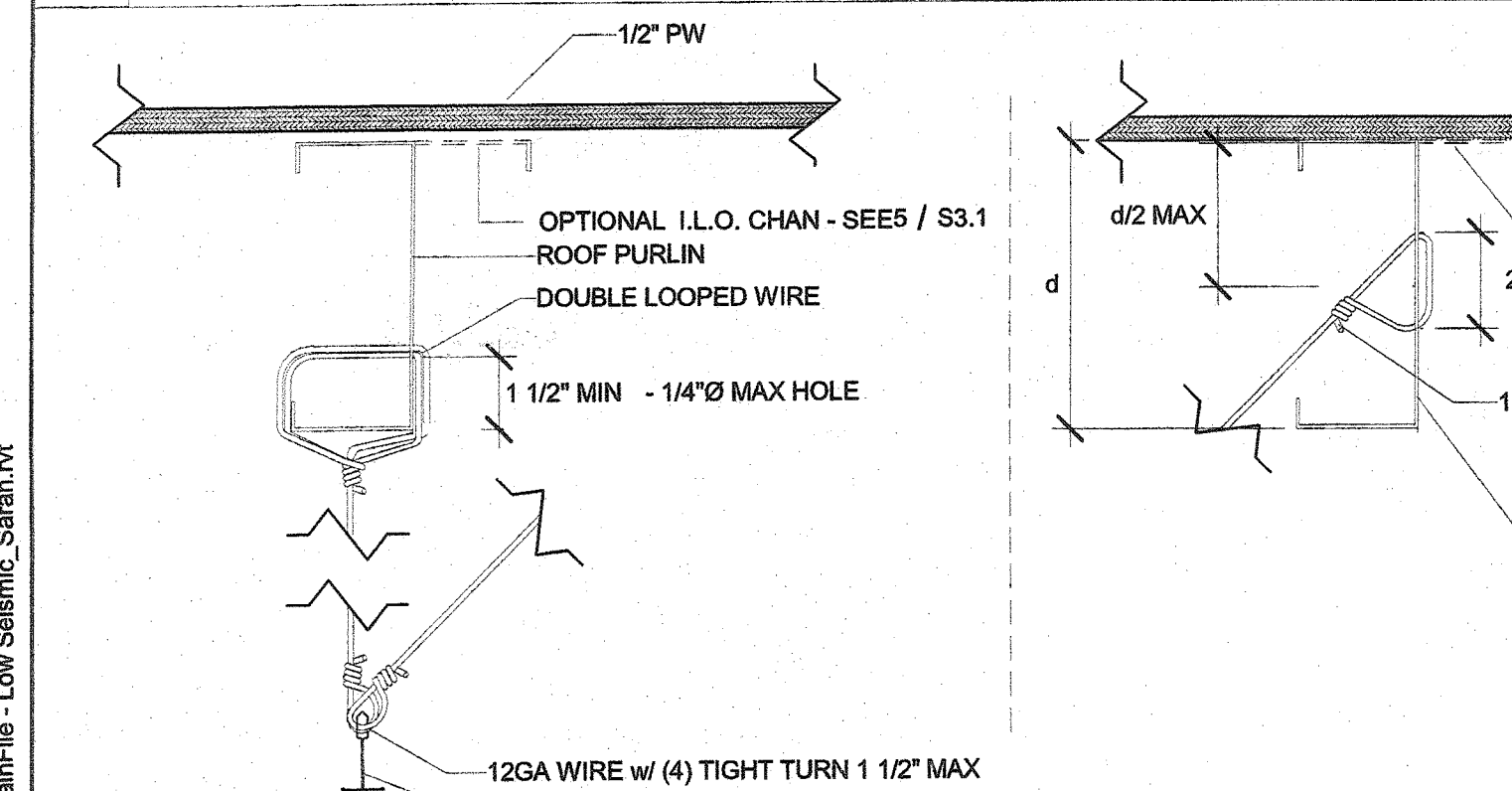
18 1" = 1'-0" ISO - Light Fixture



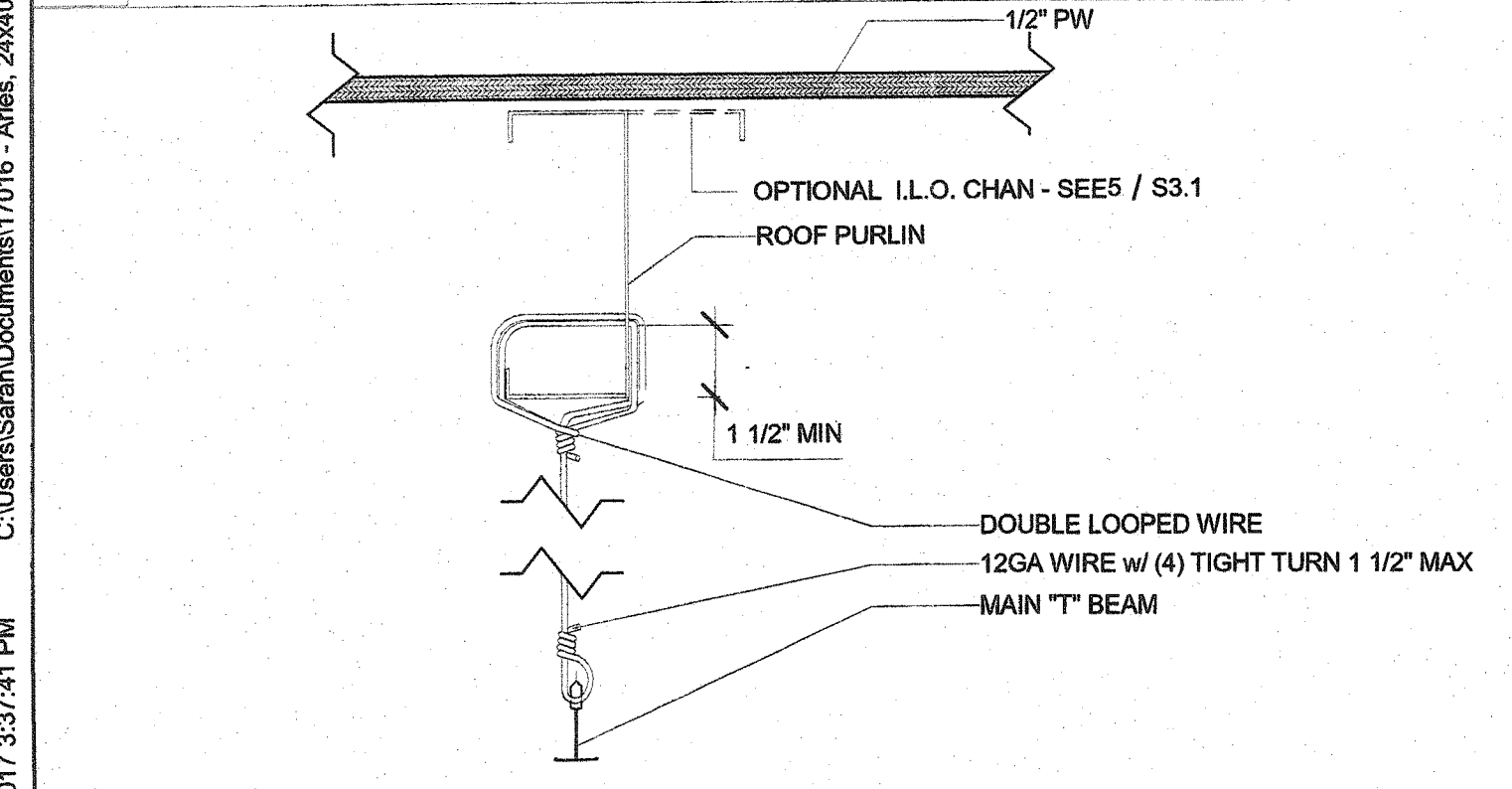
17 1" = 1'-0" ISO - HVAC Reg Mount



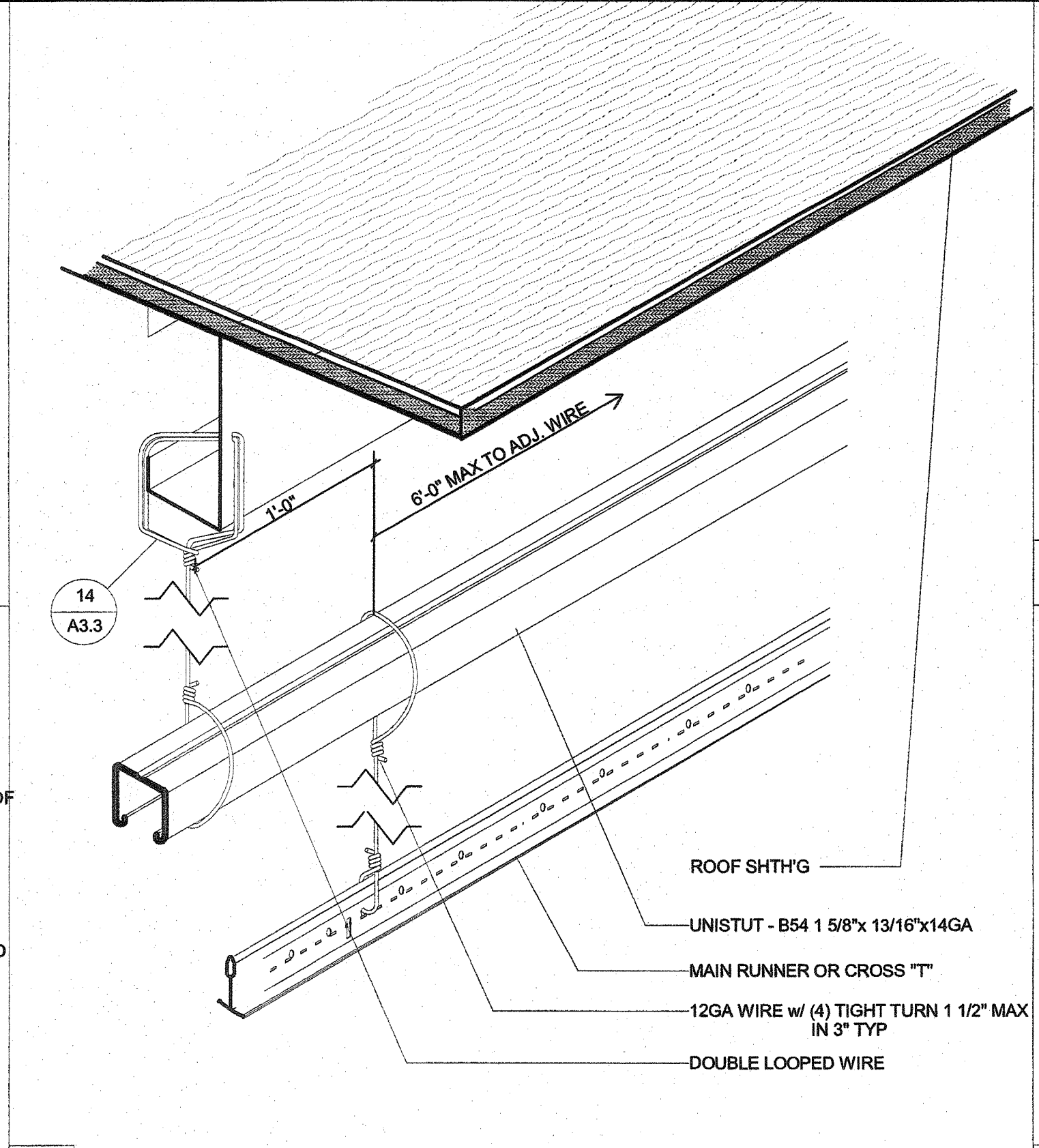
16 3" = 1'-0" Section - 'T' Grid @ Mod Line



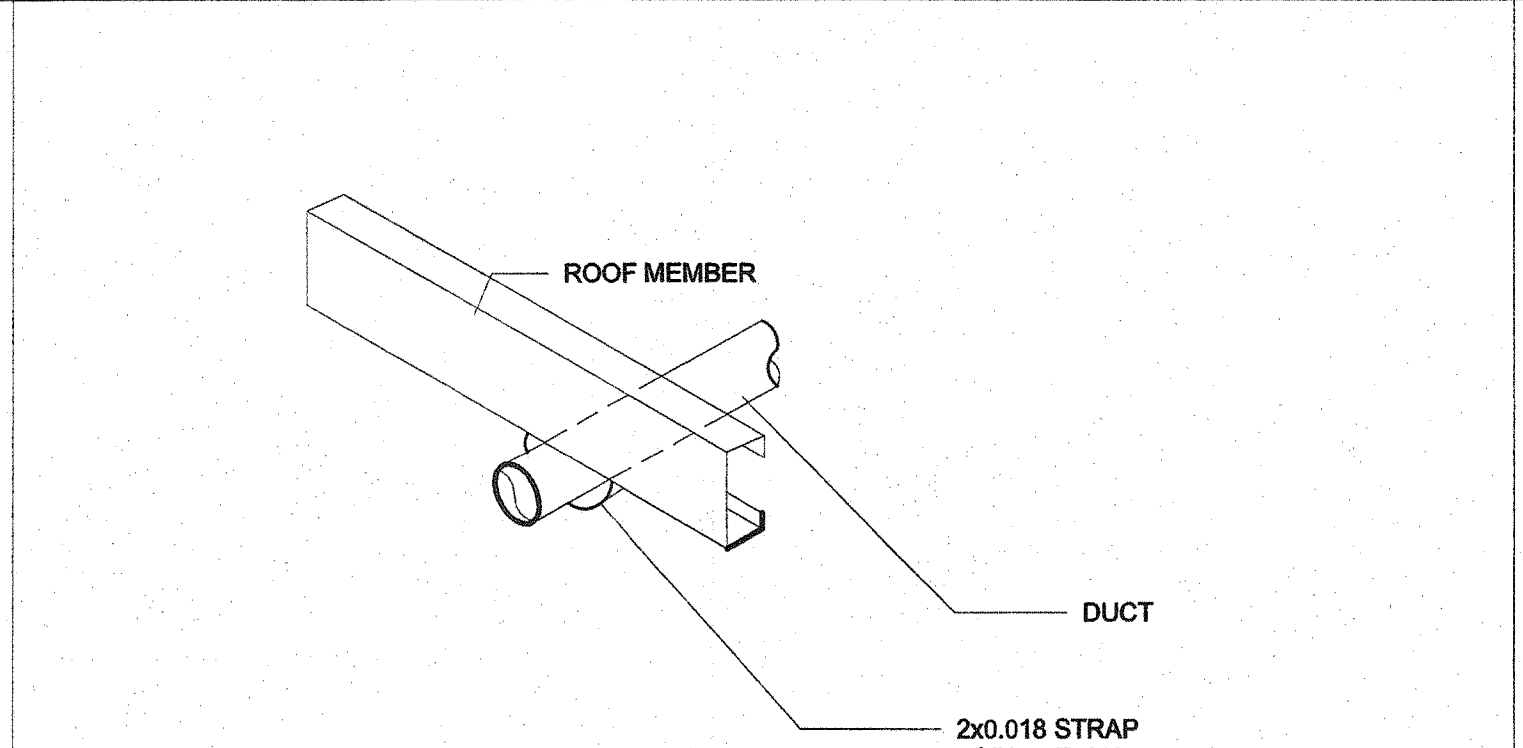
15 3" = 1'-0" Section - Brace Wire Detail



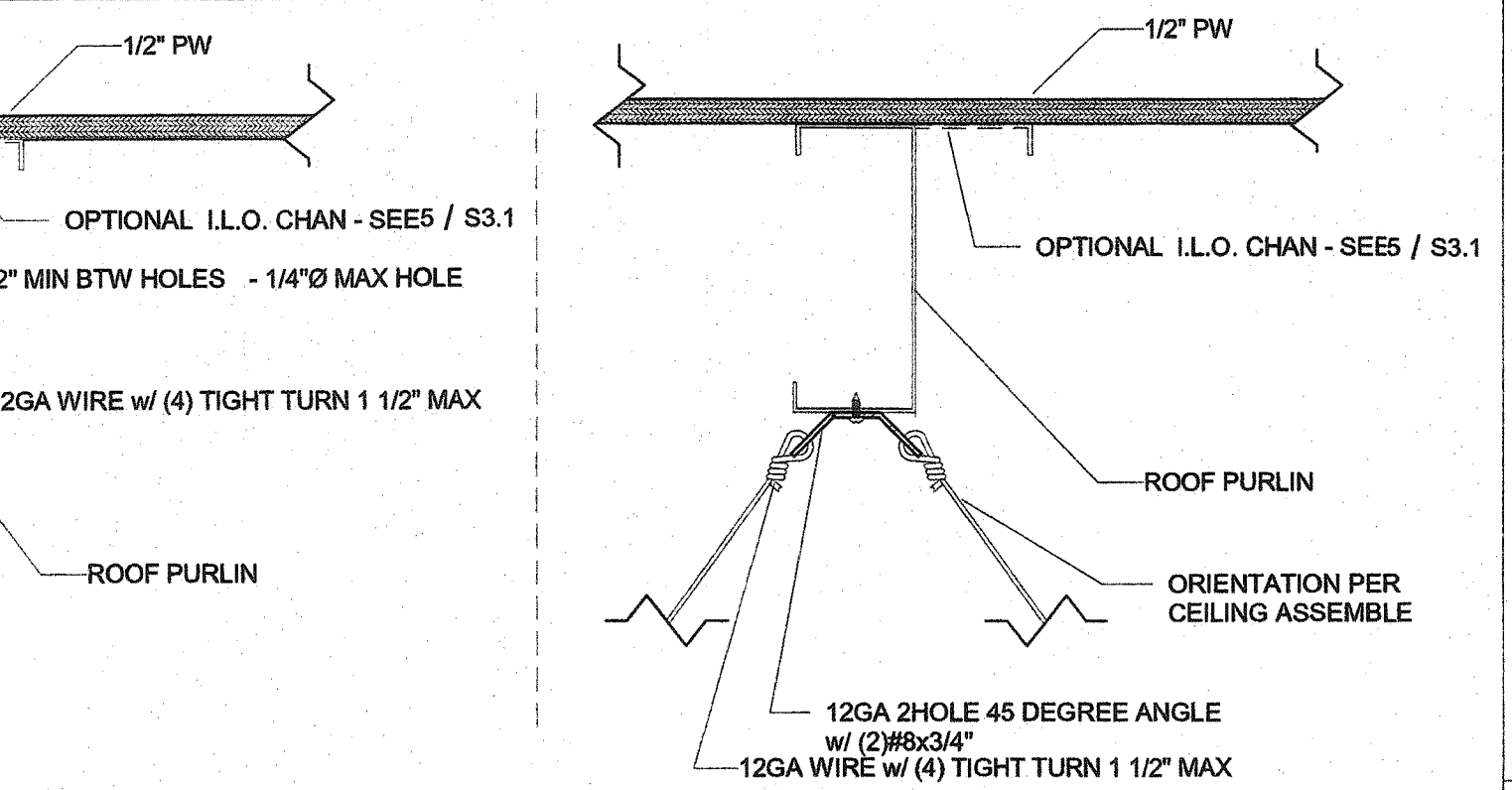
14 3" = 1'-0" Section - Hanger Wire Detail



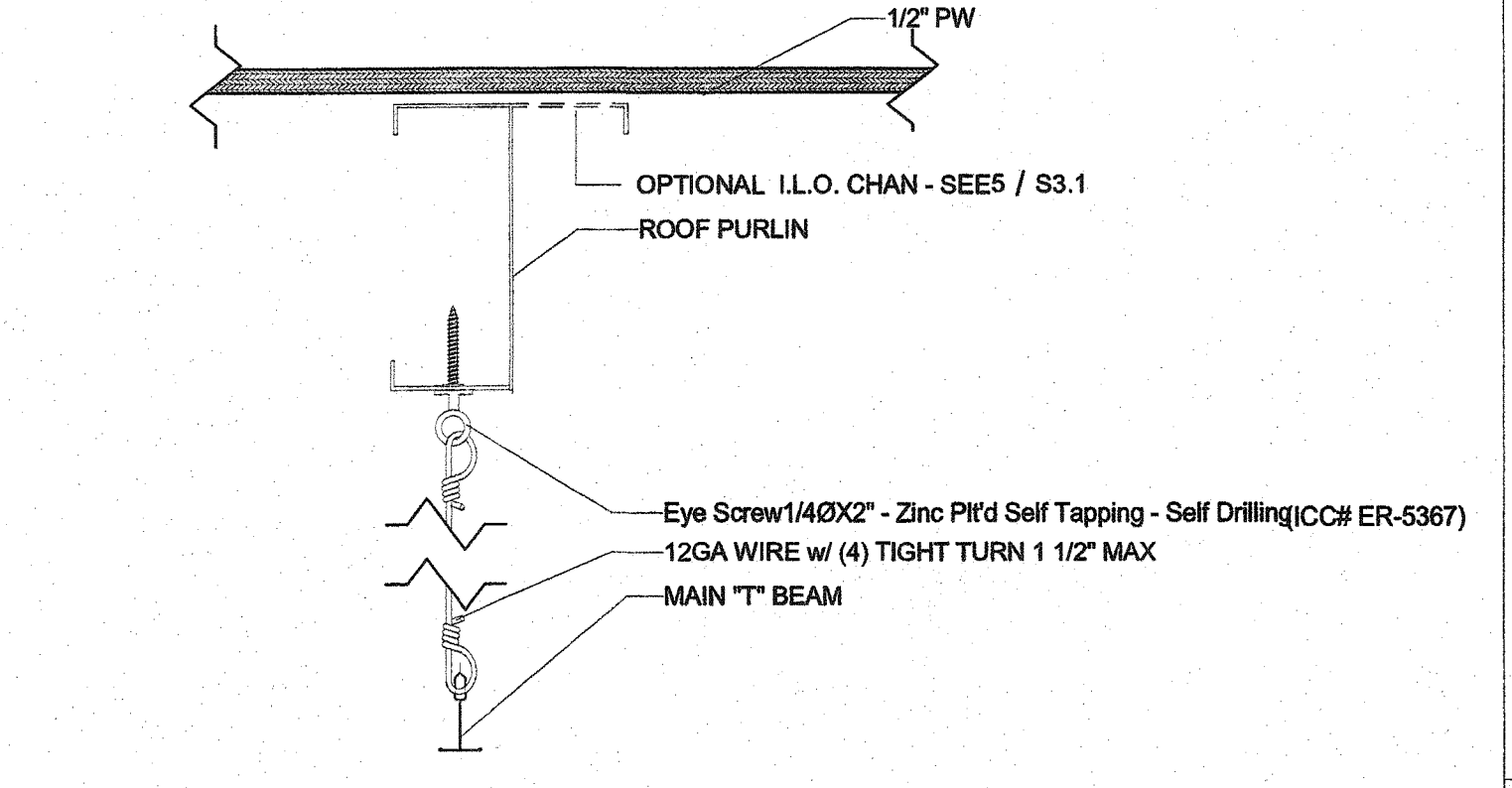
12 3" = 1'-0" ISO - Trapeze Condition



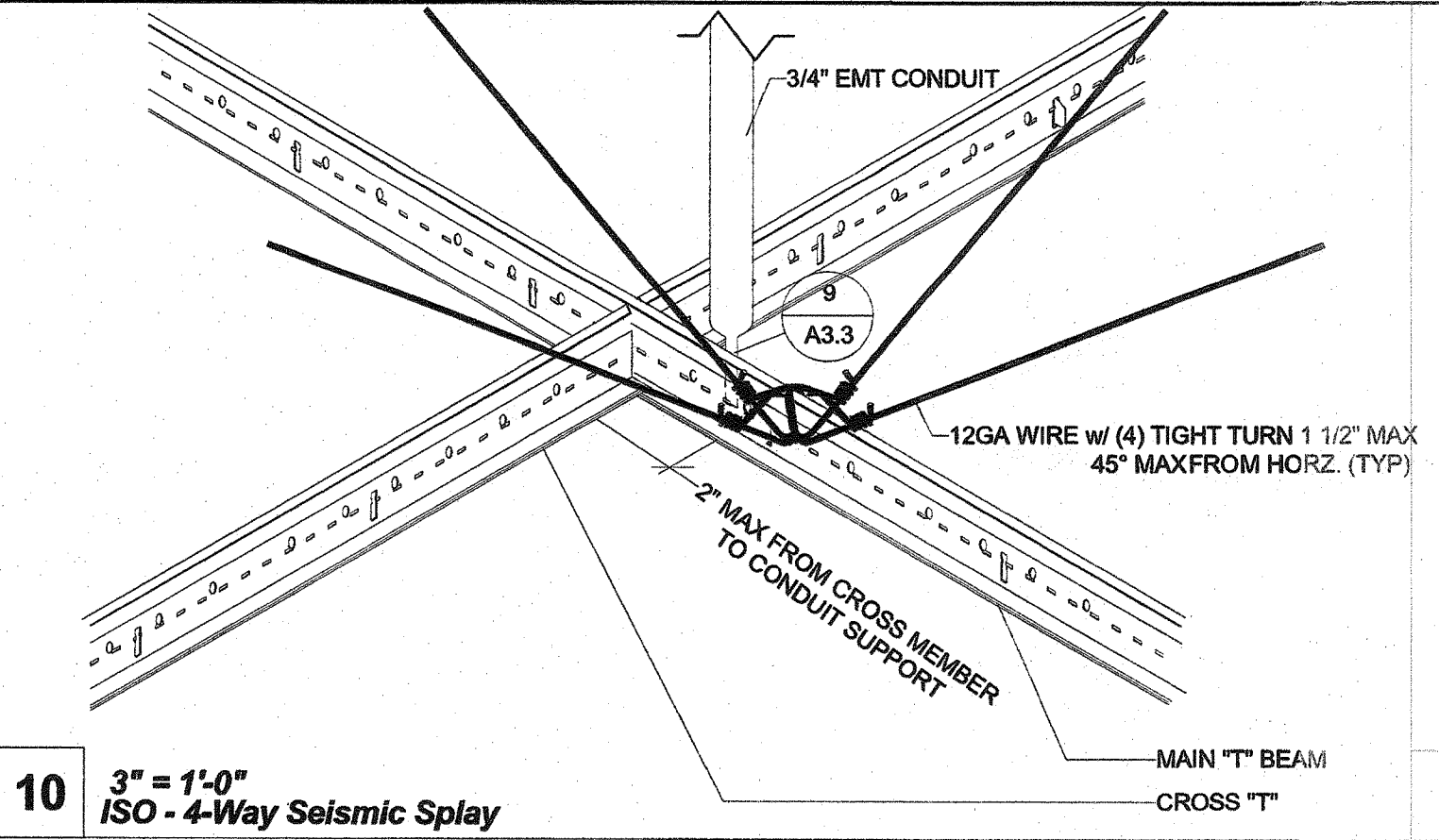
11 1" = 1'-0" ISO - Duct Connection



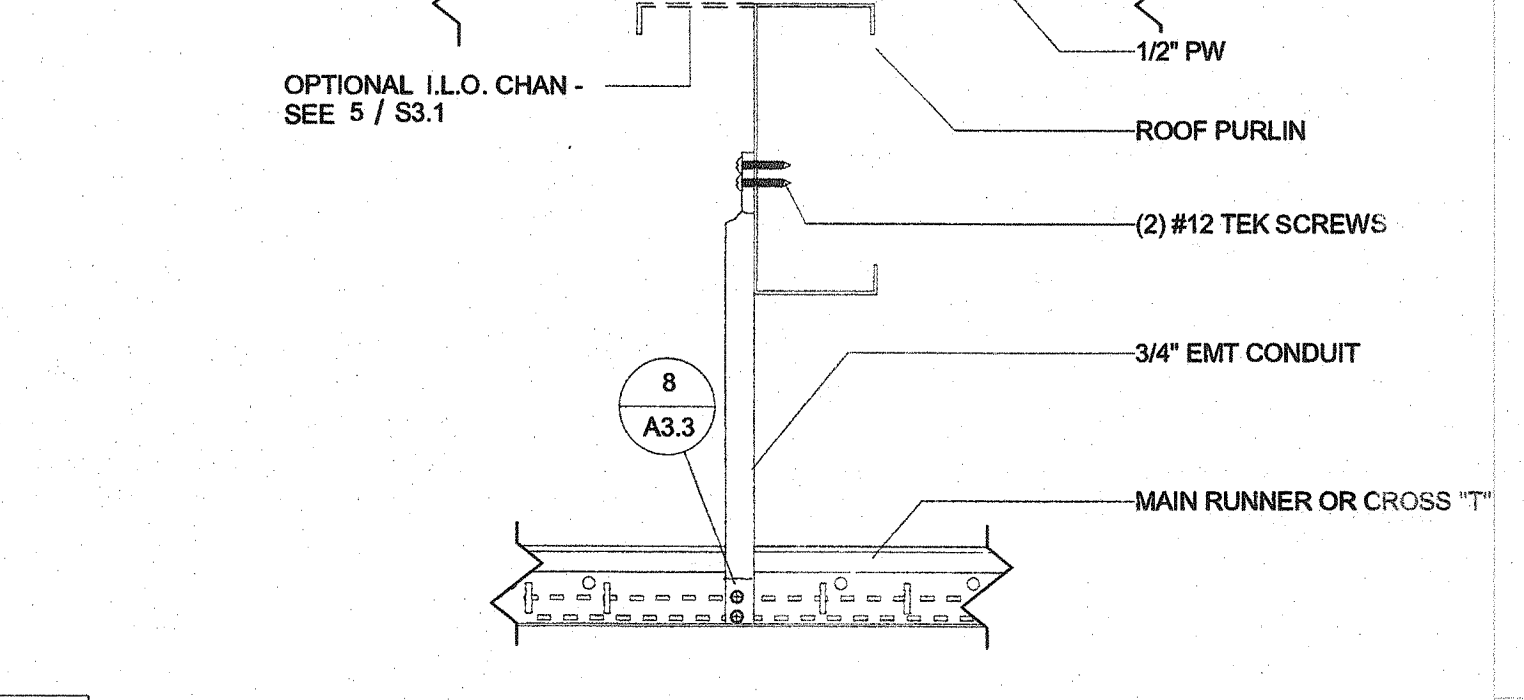
10 3" = 1'-0" ISO - 4-Way Seismic Splay



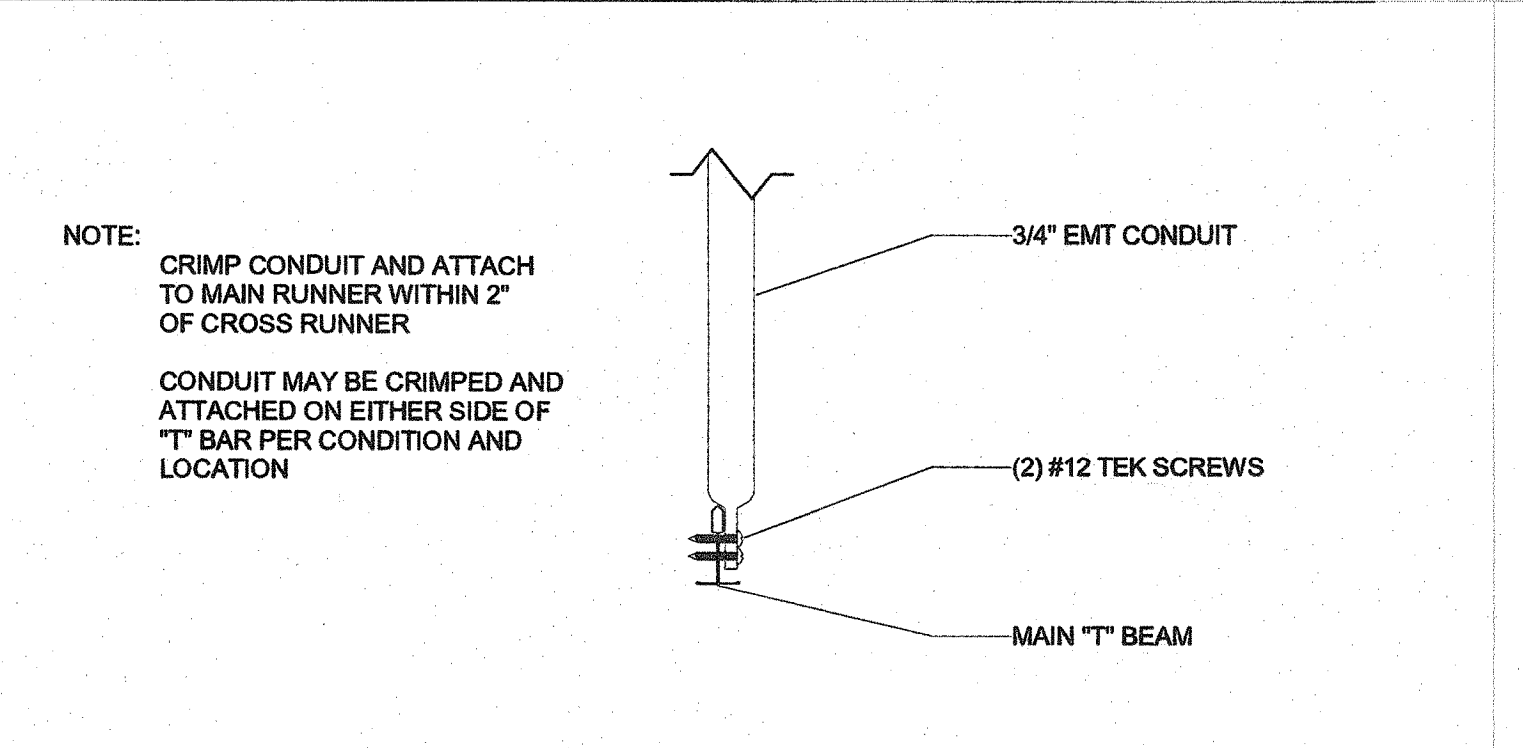
9 3" = 1'-0" Elevation - Compression Strut



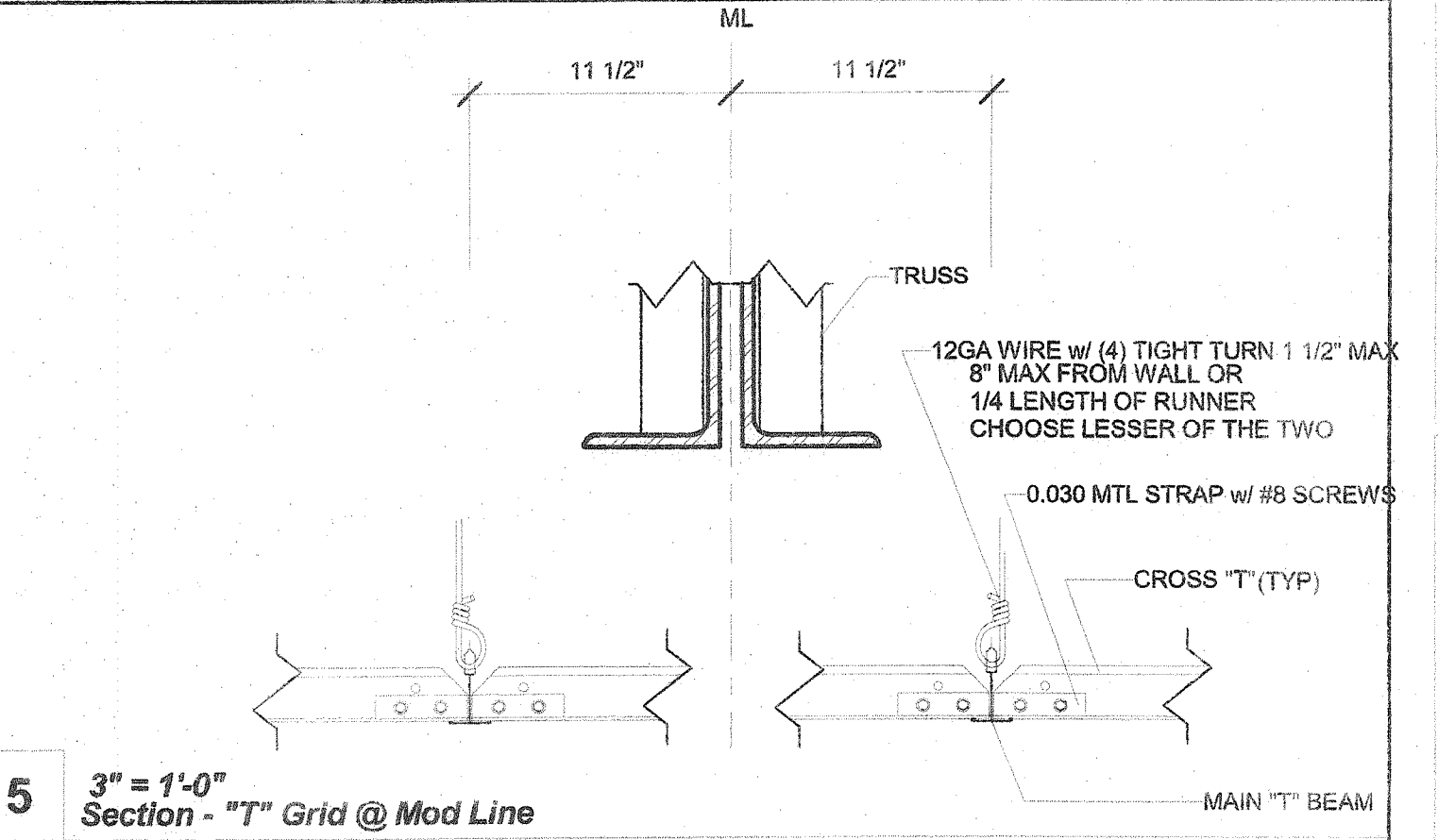
8 3" = 1'-0" Section - Compression Strut



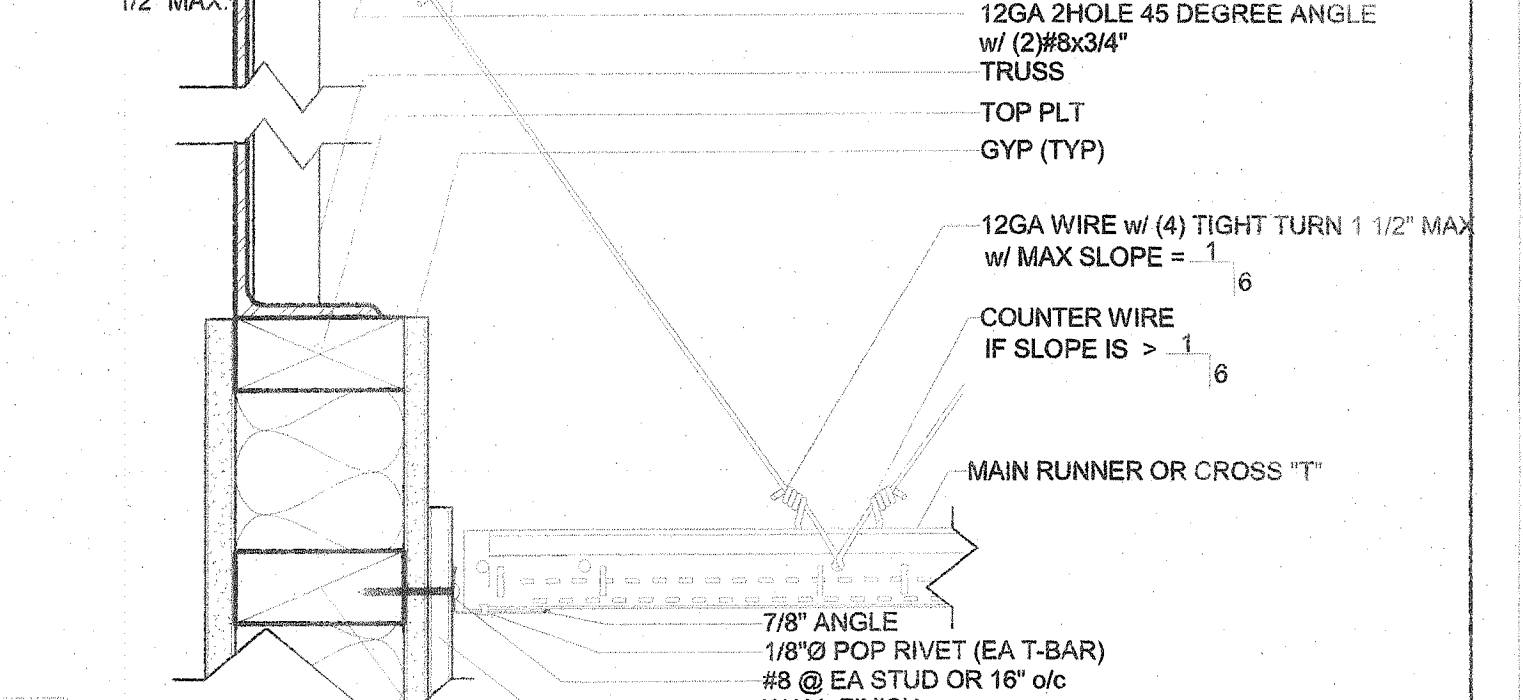
7 3" = 1'-0" Fixed Condition w/ 2" Angle



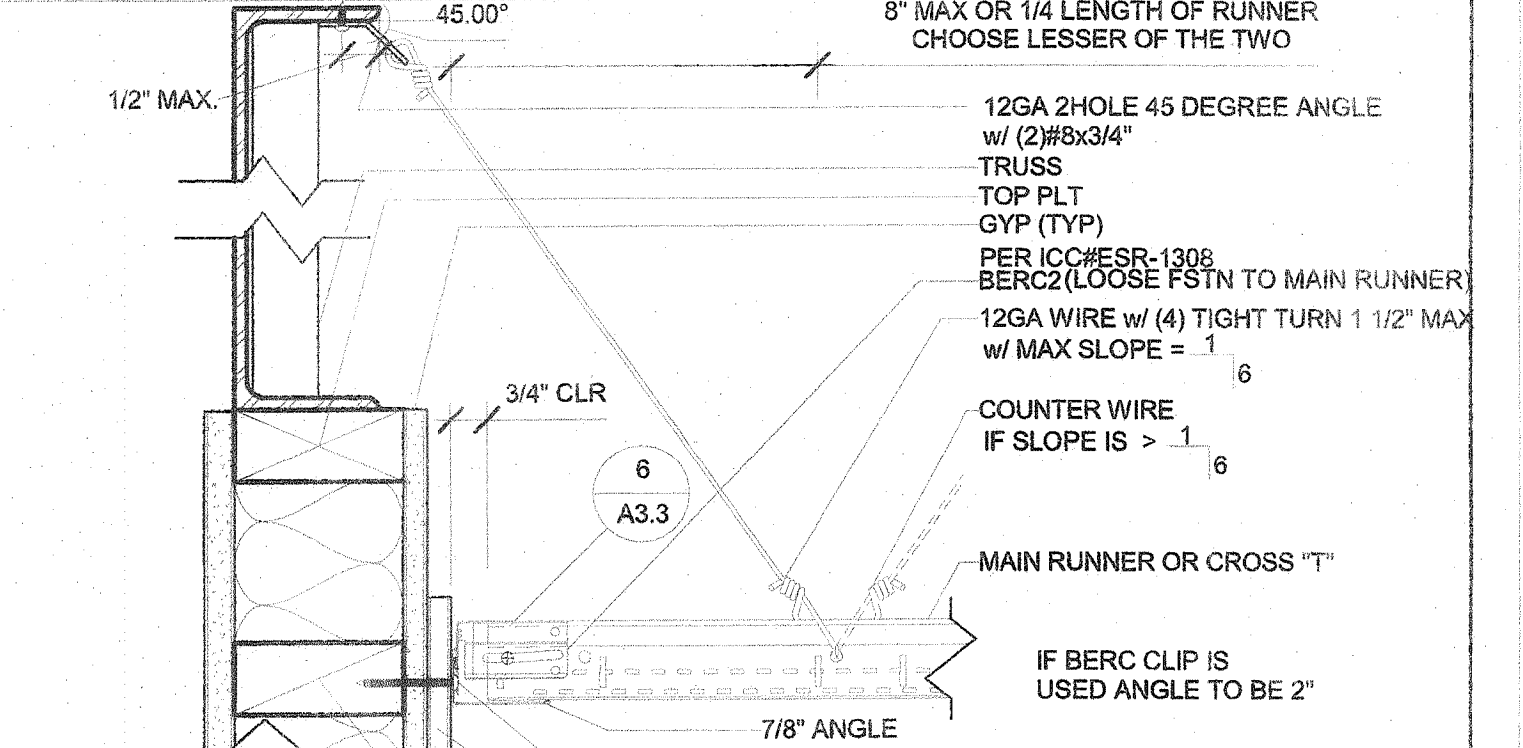
6 3" = 1'-0" Floating Condition w/ 2" Angle



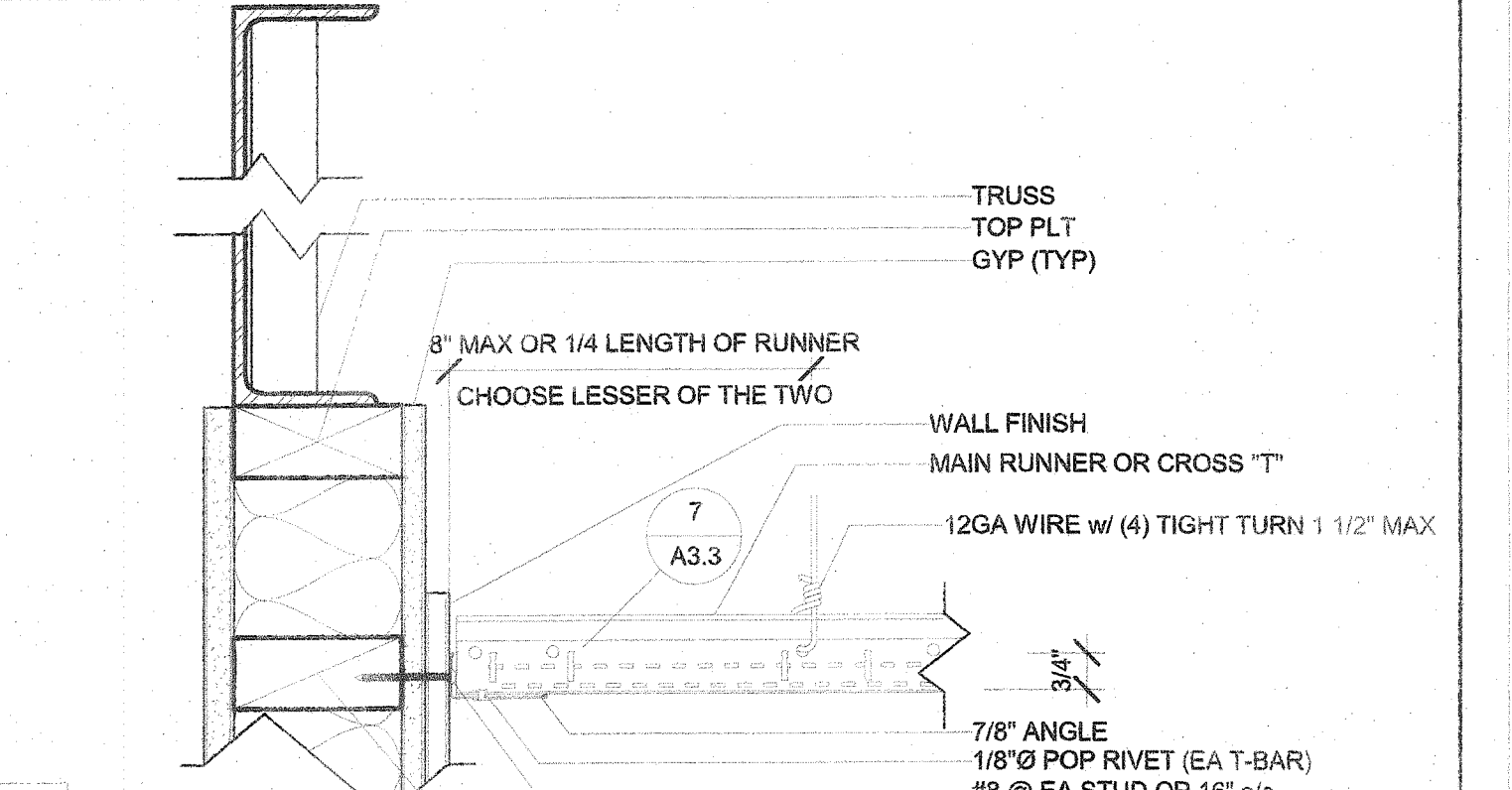
5 3" = 1'-0" Section - 'T' Grid @ Mod Line



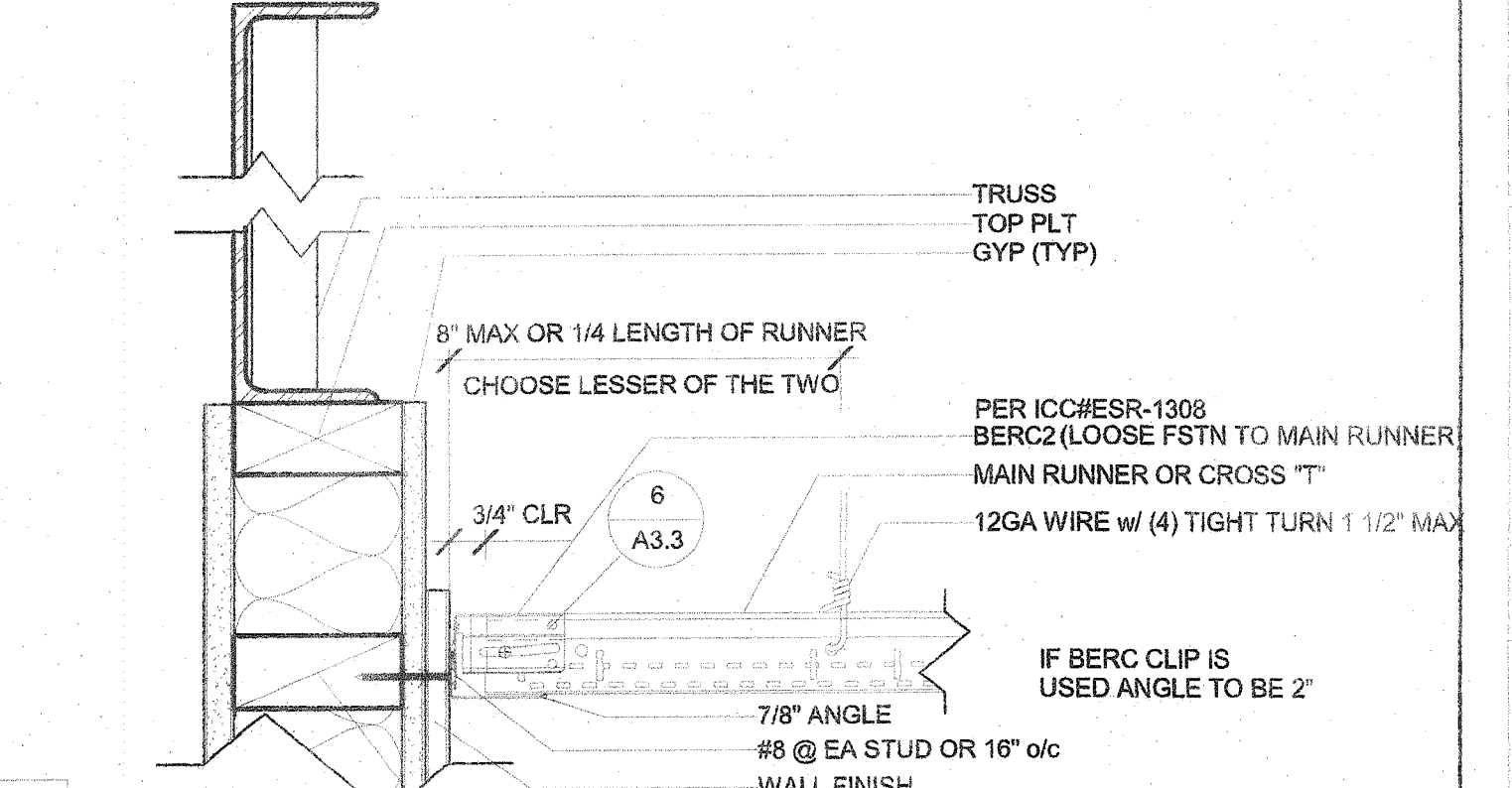
4 3" = 1'-0" Section - Fastened Condition @ Endwall



3 3" = 1'-0" Section - Floating Condition @ Endwall



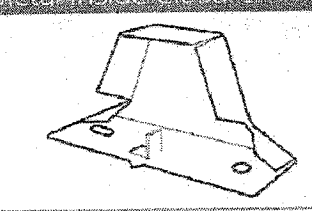
2 3" = 1'-0" Section - Fastened Condition @ Sidewall



1 3" = 1'-0" Section - Floating Condition @ Sidewall

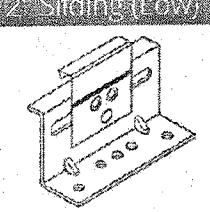
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Metal Inside Closure



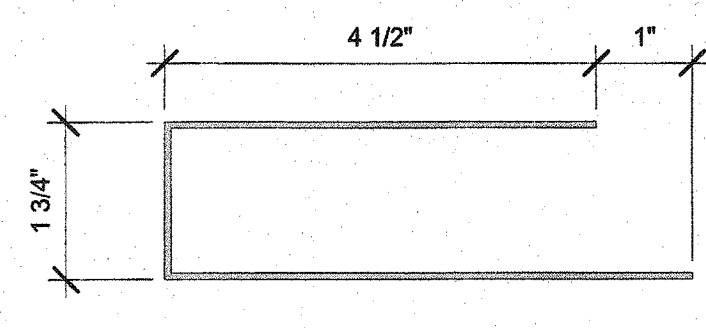
PARTS	DESCRIPTION	WIDTH	GAUGE	FINISH	WEIGHT PER SQ. FT.	PRICE
HW-426	HD & CL	1 1/2"	18	Galvalume®	2.24	

Clip - 2" Standing Seam

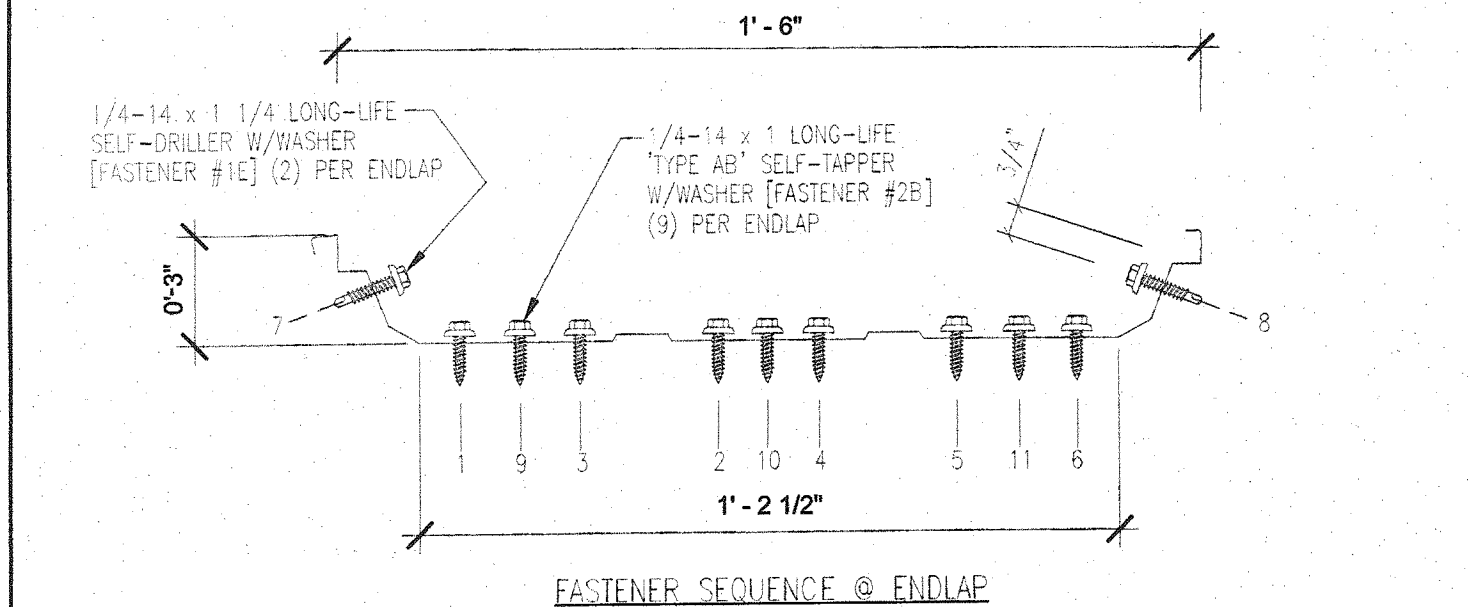
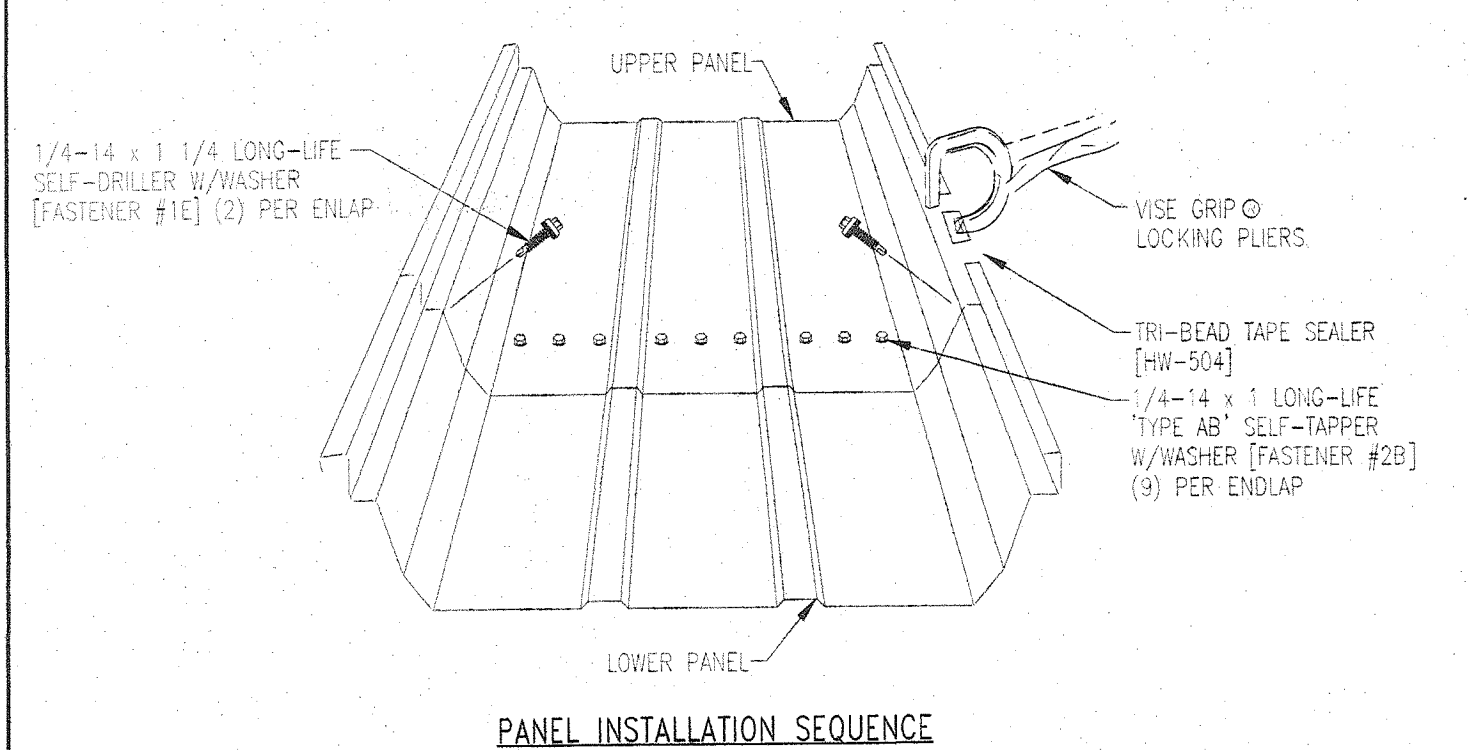
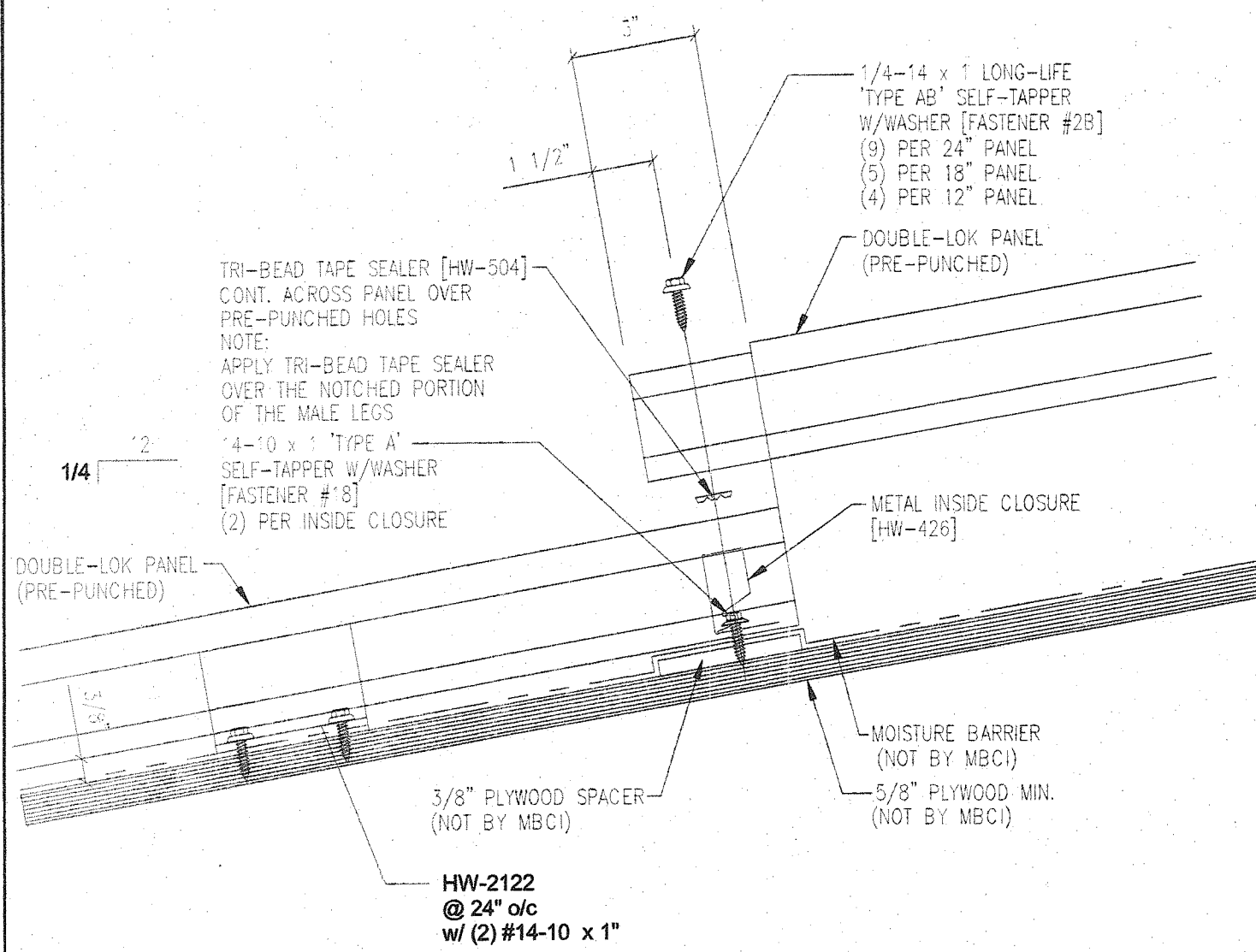


Notes:
 • Specify 304 system
 • Clip locations to set to ordered separately
 • No. in each panel as shown

DESCRIPTION	QUANTITY	UNIT	PRICE
HW-426	1	EA	3.06
HW-426	1	EA	3.06



14 6" = 1'-0" FLASHING @ ROOF HIGH SIDE



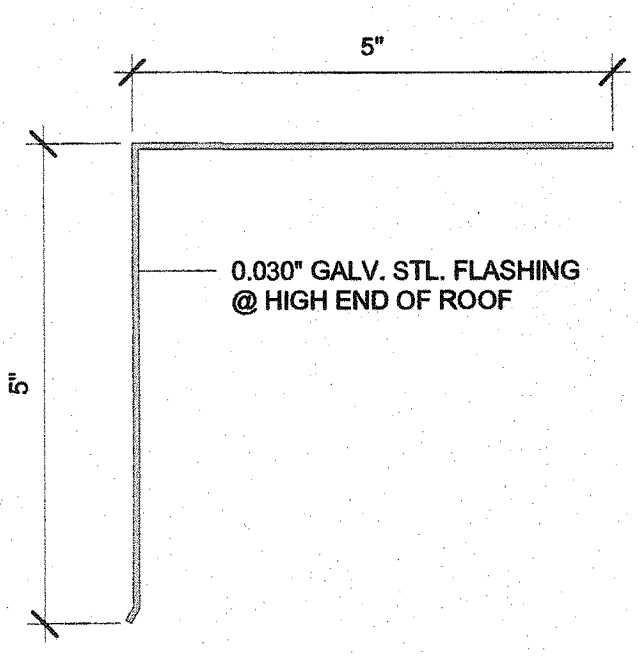
18" DOUBLE-LOK 22GA STANDING SEAM PANEL BY MBCI

	NEG	POS
t	= 0.0299"	= 0.0299"
S _x	= 0.1846 IN ²	= 0.2154 IN ²
I _x	= 0.2719 IN ⁴	= 0.4068 IN ⁴
F _y	= 50 KSI	= 50 KSI

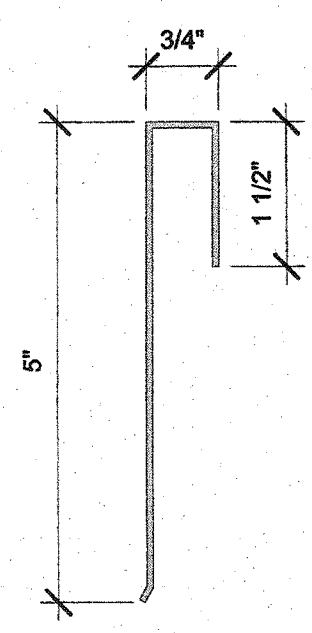
18" 26GA STANDING SEAM PANEL

	NEG	POS
t	= 0.018"	= 0.018"
S _x	= 0.1383 IN ²	= 0.7560 IN ²
I _x	= 0.351 IN ⁴	= 0.351 IN ⁴
F _y	= 33 KSI	= 33 KSI

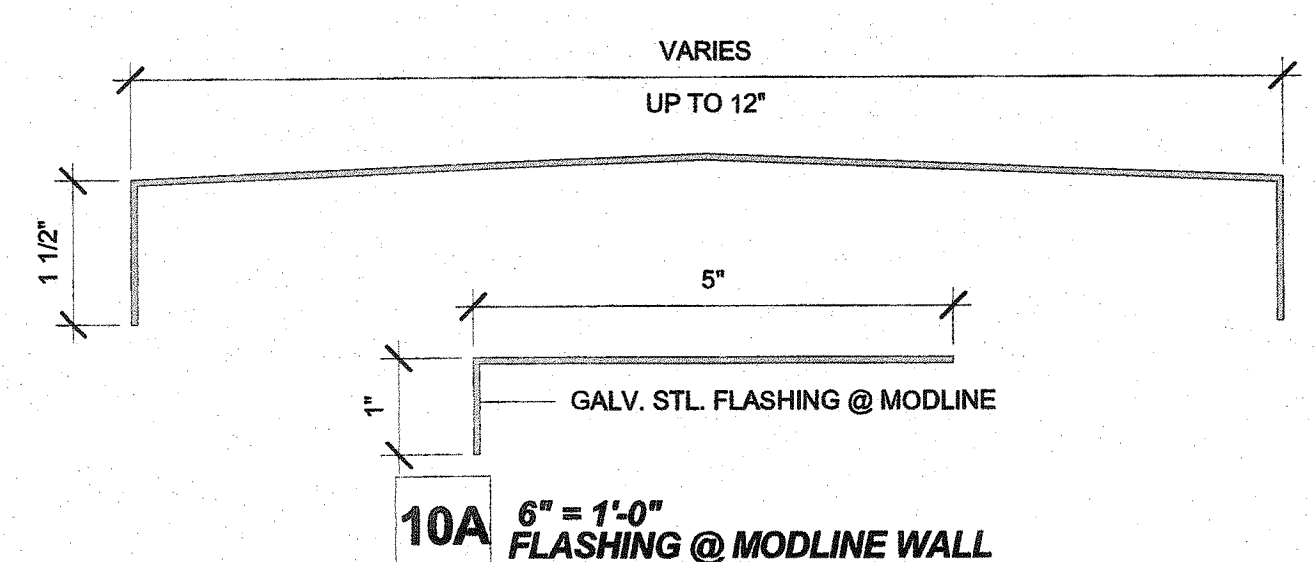
13 6" = 1'-0" FLASHING @ ROOF LOW SIDE



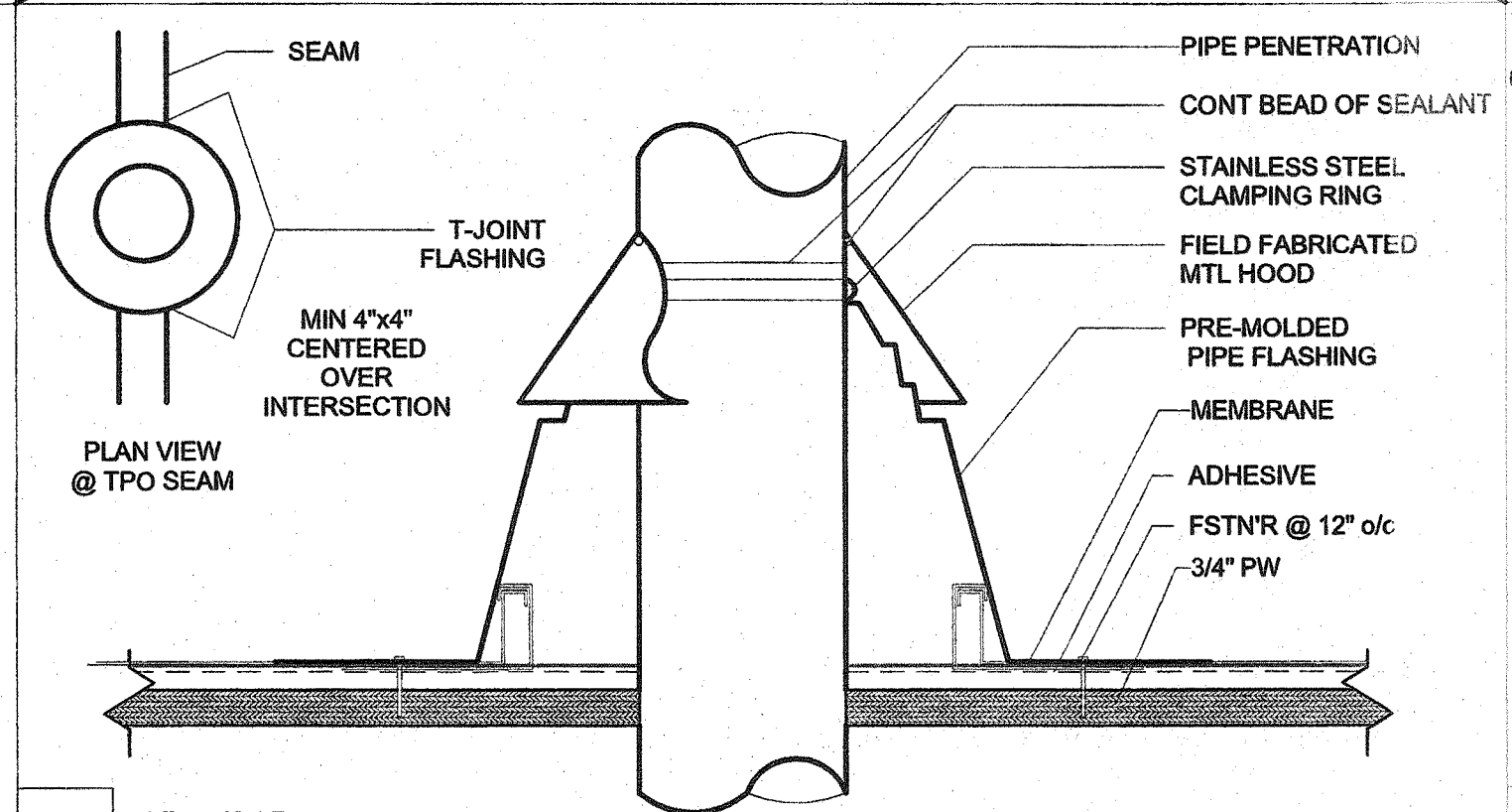
12 6" = 1'-0" ROOF FLASHING



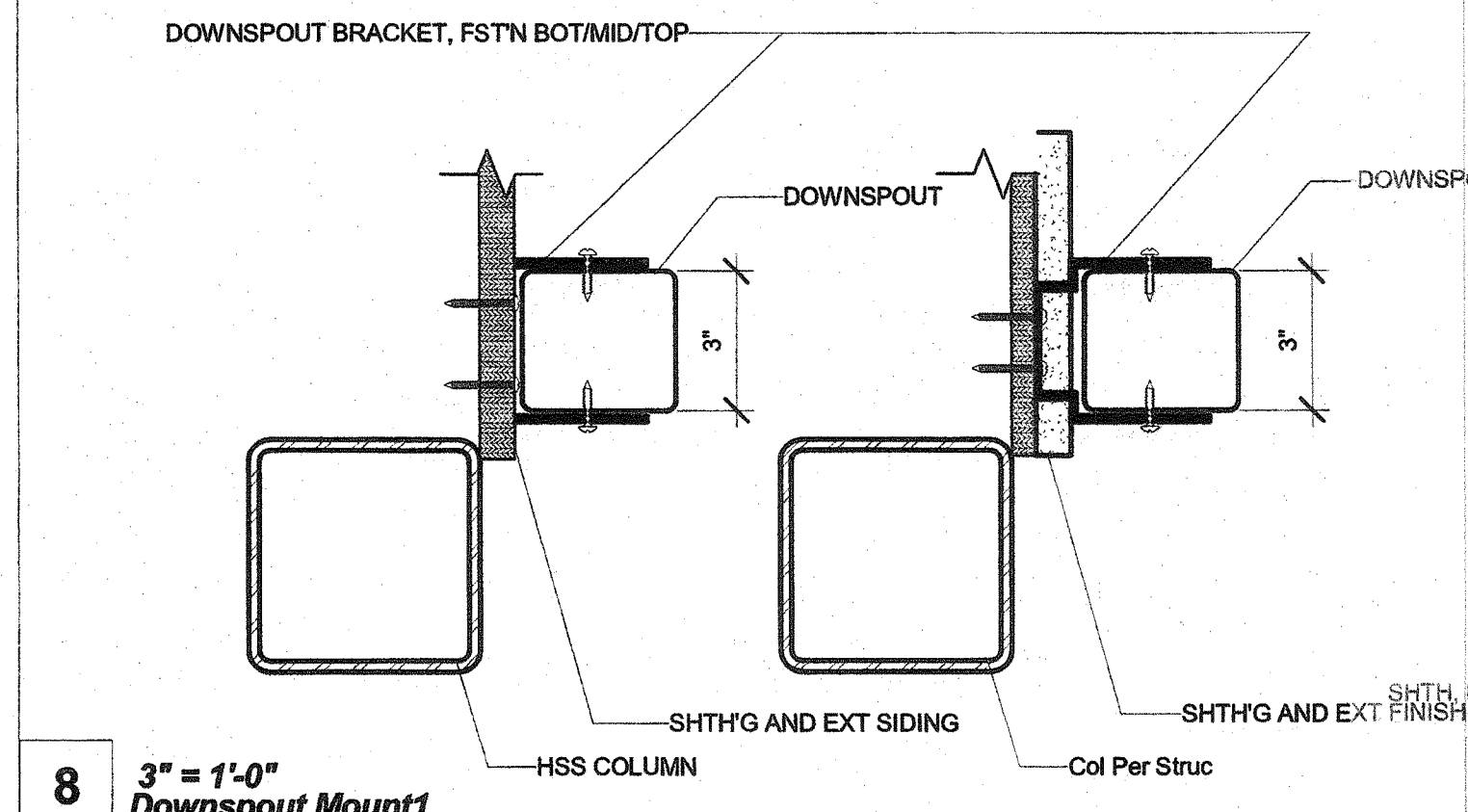
11 6" = 1'-0" ROOF FLASHING @ SIDEWALL



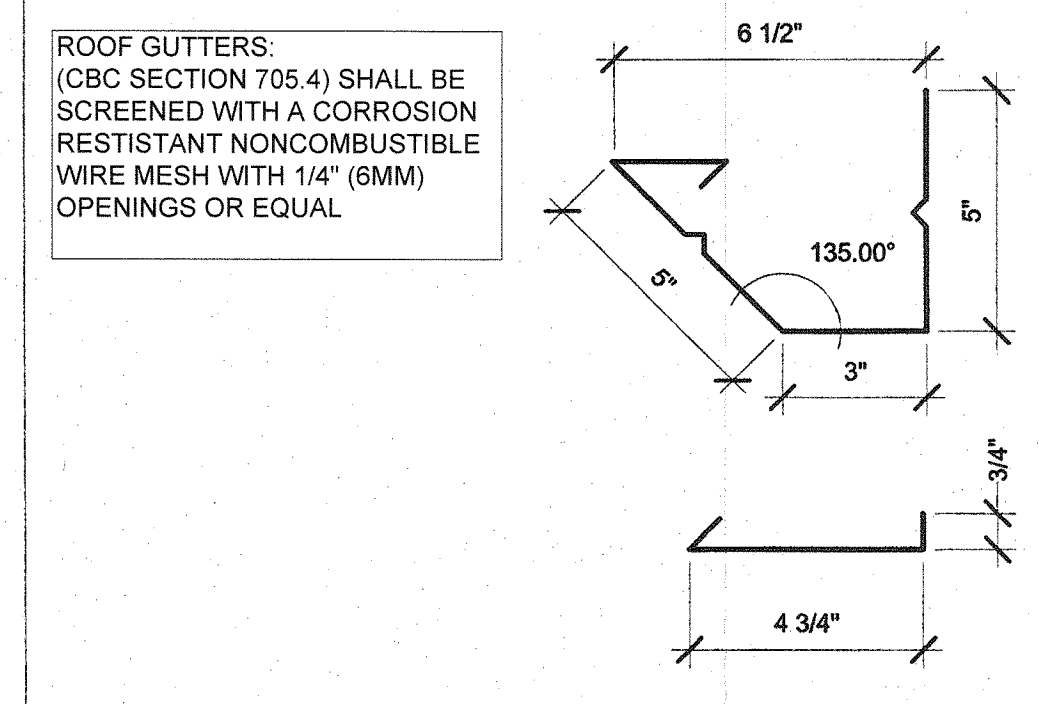
10 6" = 1'-0" ROOF CAP @ MODLINE



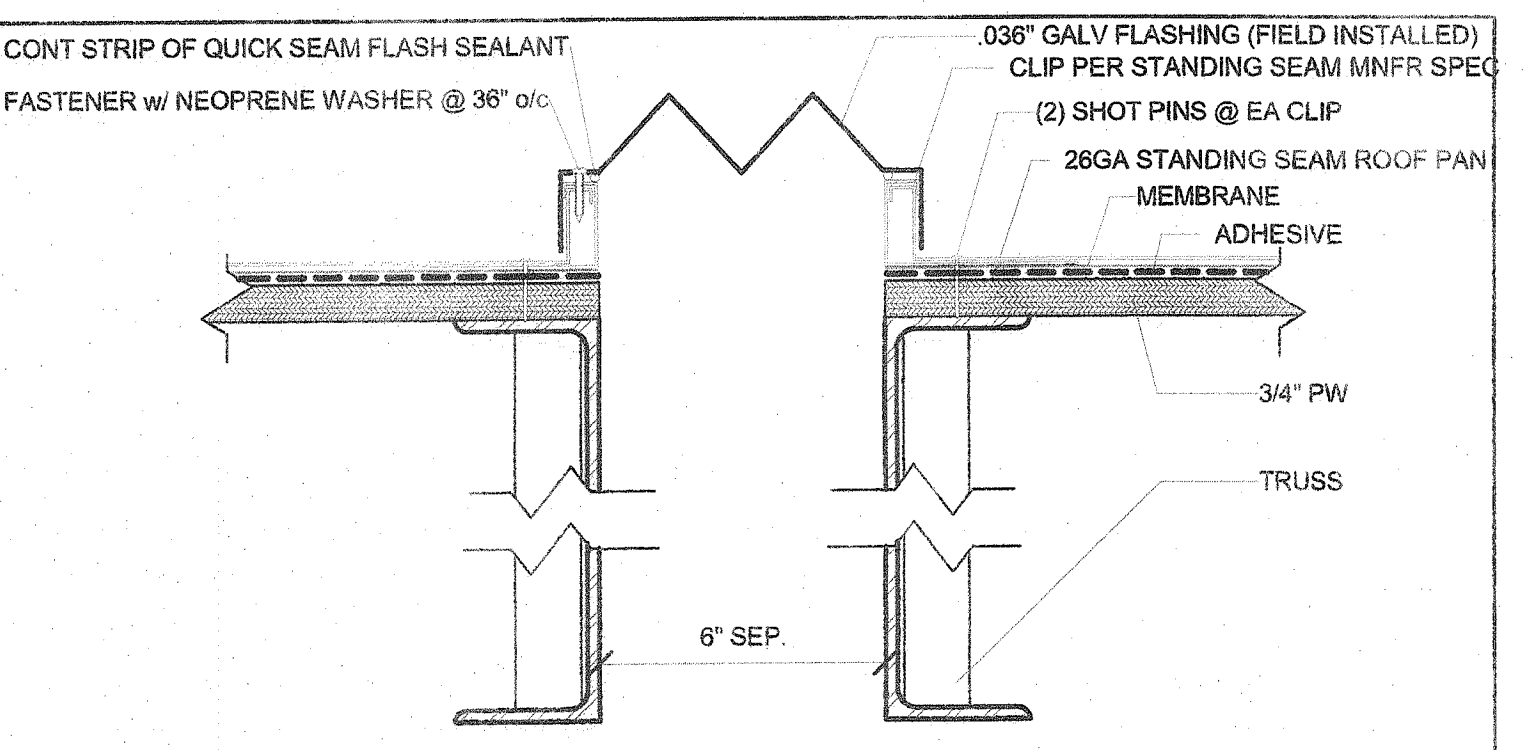
9 3" = 1'-0" Pipe Penetration Standing Seam



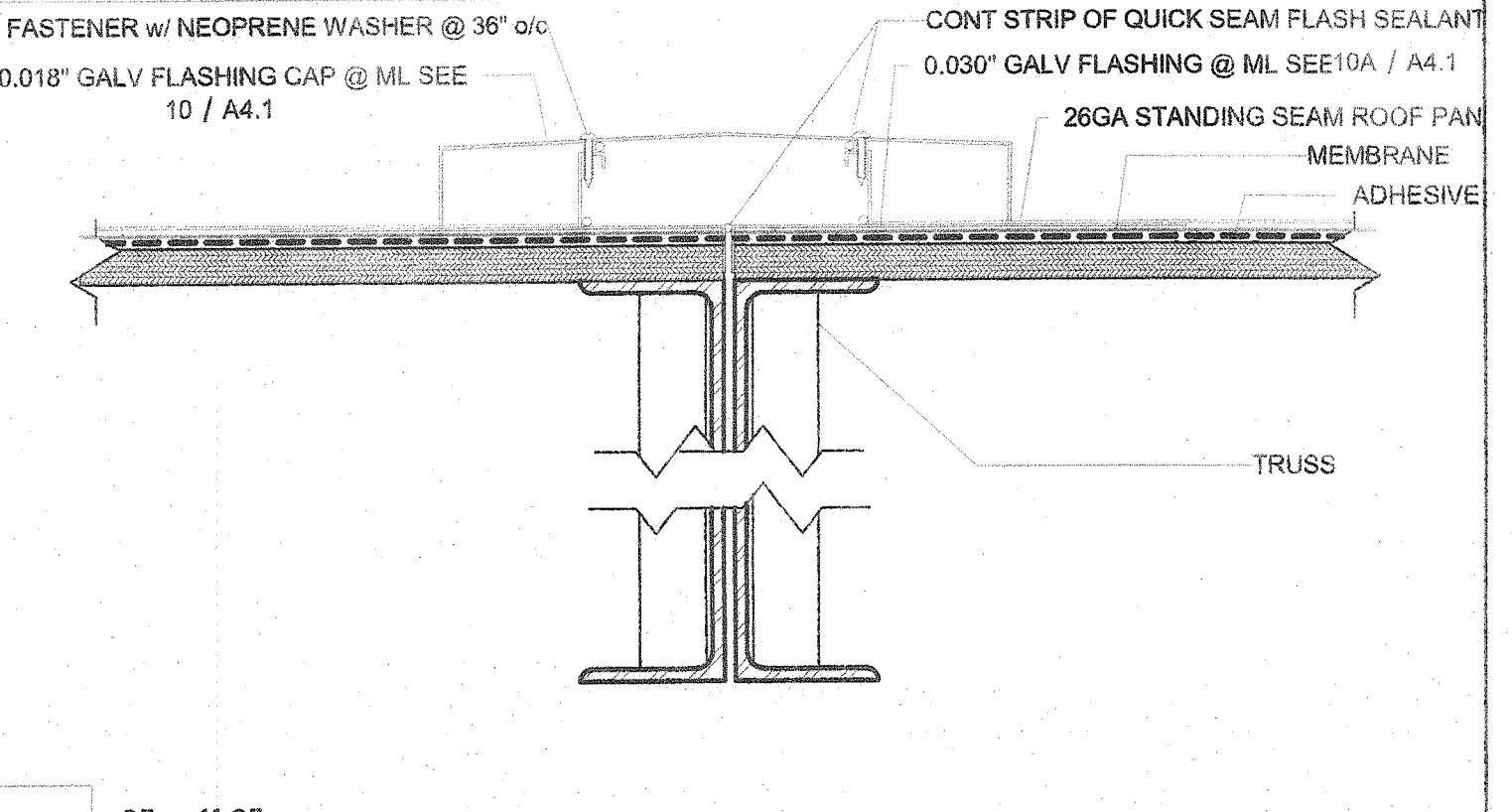
8 3" = 1'-0" Downspout Mount 1



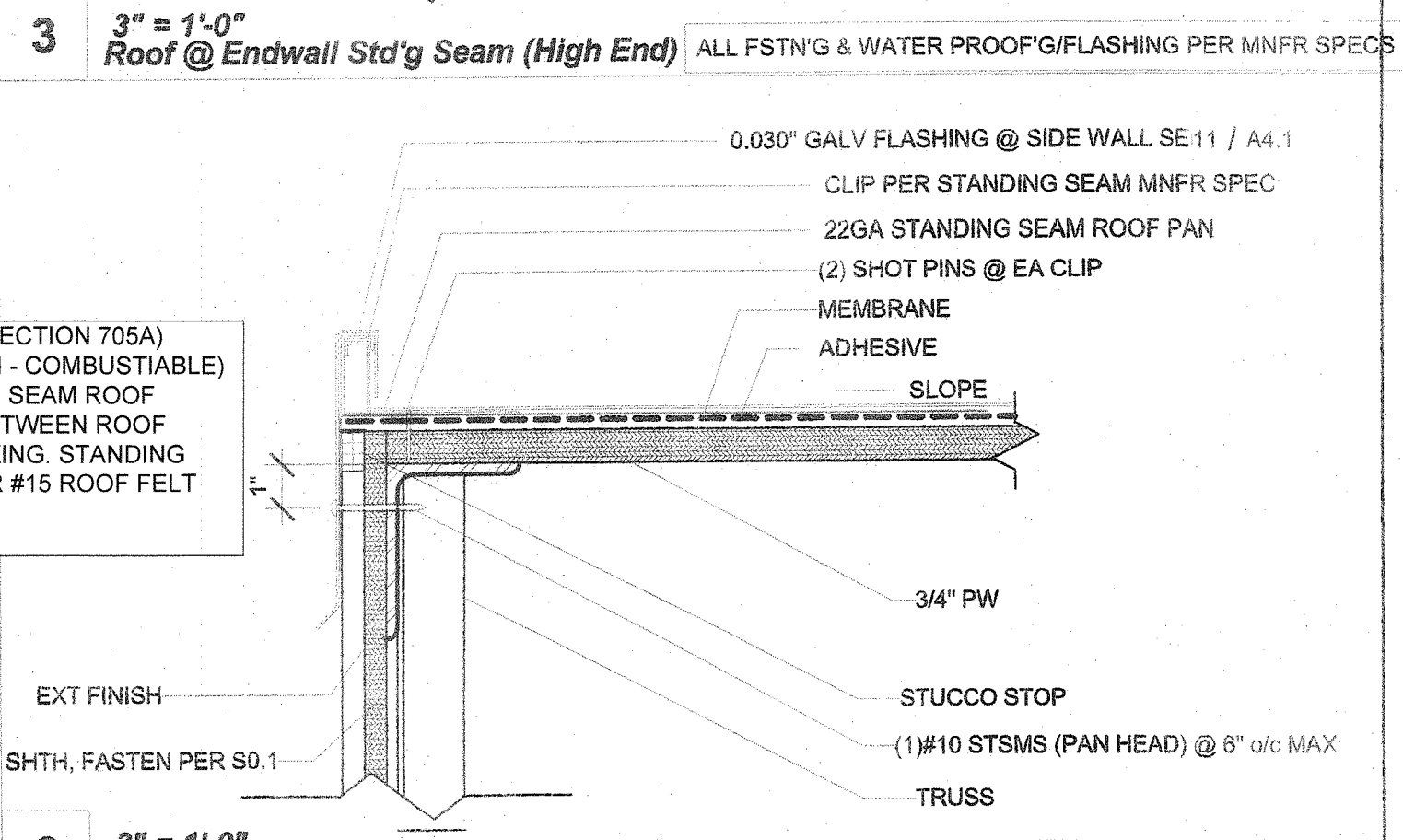
6 3" = 1'-0" Gutter and Strap



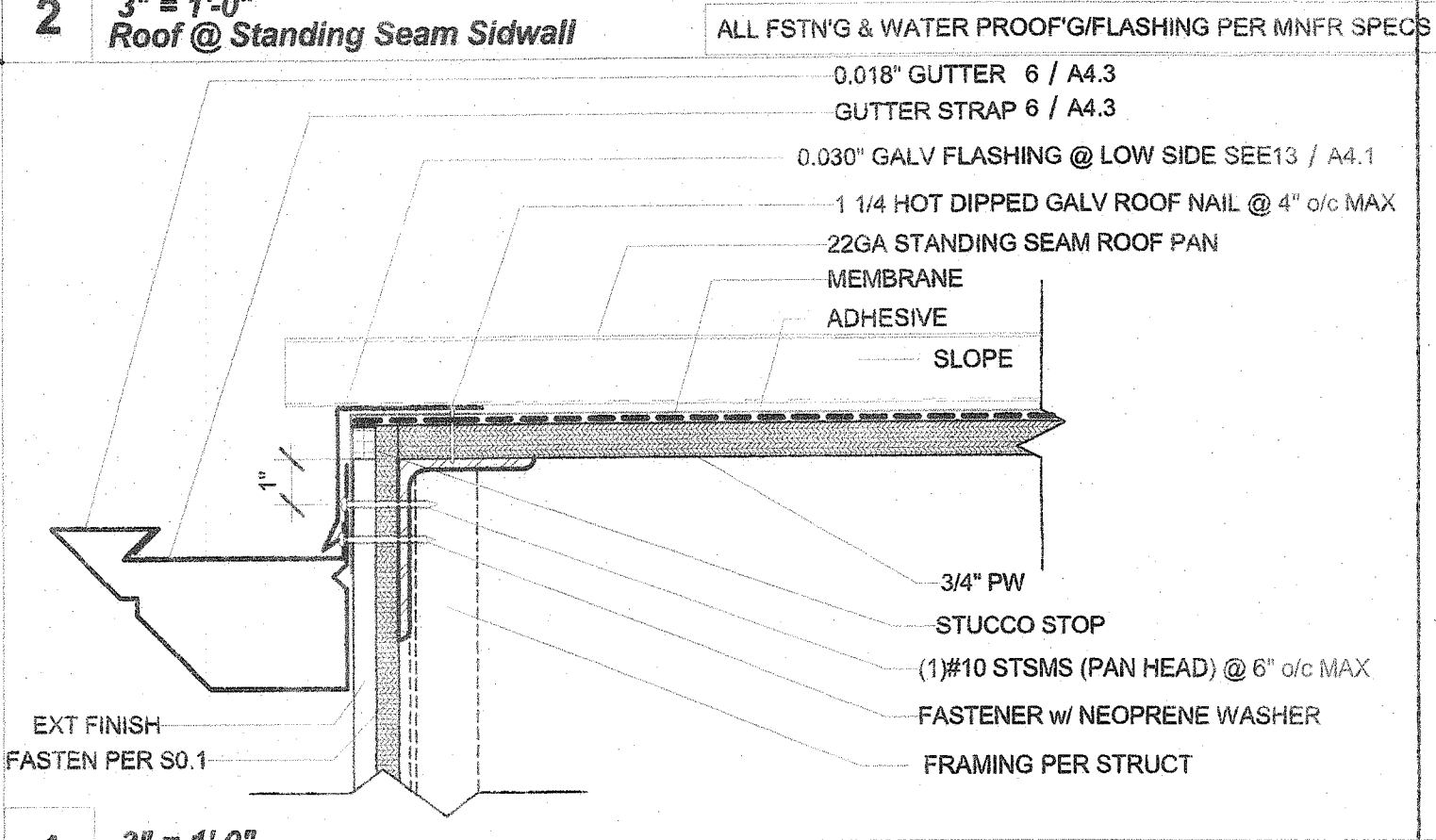
5 3" = 1'-0" Roof @ Mateline Std'g Seam w/ 6" Sep



4 3" = 1'-0" Roof @ Standing Seam Mateline



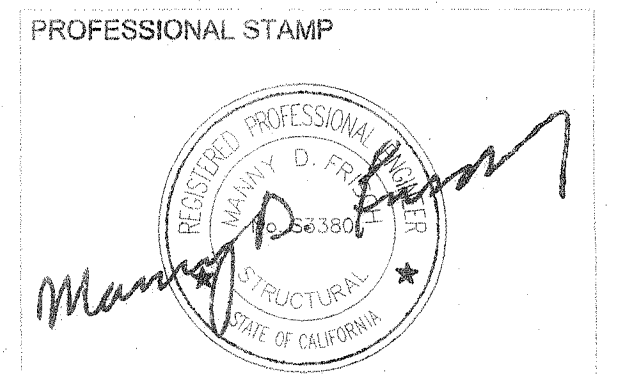
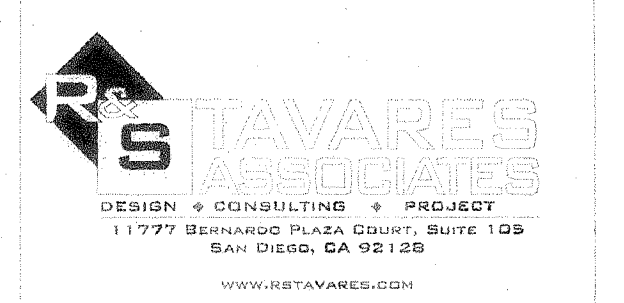
3 3" = 1'-0" Roof @ Endwall Std'g Seam (High End)



1 3" = 1'-0" Roof @ Endwall Std'g Seam (Low End)

ROOF COVERING: (CBC SECTION 705A) 26 GA. GALV. STEEL (NON-COMBUSTIBLE) INTERLOCKED STANDING SEAM ROOF PANELS W/ NO SPACE BETWEEN ROOF PANELS AND ROOF DECKING. STANDING SEAM ROOF OVER LAYER #15 ROOF FELT (CBC 705A.2)

ROOF GUTTERS: (CBC SECTION 705.4) SHALL BE SCREENED WITH A CORROSION RESISTANT NONCOMBUSTIBLE WIRE MESH WITH 1/4" (6MM) OPENINGS OR EQUAL



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ORIGINAL PC STATE AGENCY APPROVAL
 FILE NUMBER: PC-128
 IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 04 - 116504 INCR: 0
 AC_RM_FL_S_EA_SSR_KER
 DATE 07/19/2018

PROJECT TITLE
24' x 40' EXPANDABLE TO 120' x 40'

PRE-CHECK (PC) DOCUMENT
 Code: [2016] CBC
 A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 04 119164
 ACS FL S E A S S
 DATE MAR 17 2017

Revision Schedule

#	Description	Date

SHEET TITLE
ROOF DETAILS (STANDING SEAM)

PROJECT NUMBER
 17016A
 DRAWN BY
 rMc/SC
 CHECKED BY
 JA/RT
 DATE
 2017/06/05
 SHEET NO.

A4.1

Ext. Finish Schedule			
	Finishes	Sheet	Notes
<input type="checkbox"/>	SIDING OVER WD STUDS	A2.1	
<input checked="" type="checkbox"/>	PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.2	
<input type="checkbox"/>	SIDING OVER STL STUDS	A2.3	
<input type="checkbox"/>	PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS	A2.4	

Fire Rating Schedule			
	Rating	Sheet	Notes
<input type="checkbox"/>	1 HOUR - SIDING OVER WD STUDS	A2.5	
<input type="checkbox"/>	1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ WD STUDS	A2.6	
<input type="checkbox"/>	1 HOUR - SIDING OVER STL STUDS	A2.7	
<input type="checkbox"/>	1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY w/ STL STUDS	A2.8	

SEE A3.0 FOR ADDITIONAL FIRE ASSEMBLY NOTES AND DETAILS

9 1/4" = 1'-0" Ext. Finish Schedule

10 1/4" = 1'-0" Fire Rating Schedule

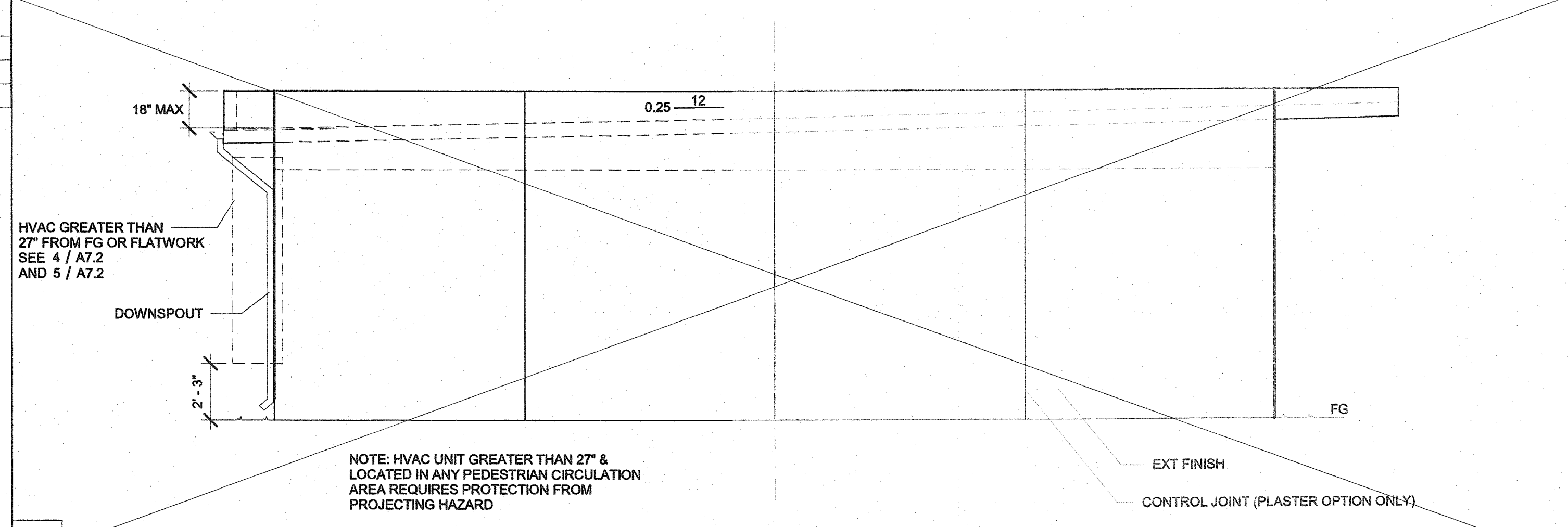
SEE A0.1 FOR GENERAL NOTES

Wall Schedule			
	Stud Size	Sheet	Notes
<input checked="" type="checkbox"/>	Wood Wall Stud	S4.5	
<input type="checkbox"/>	Mtl Wall Stud	S4.5	CONTINUOUS EXT R-4 INSULATION

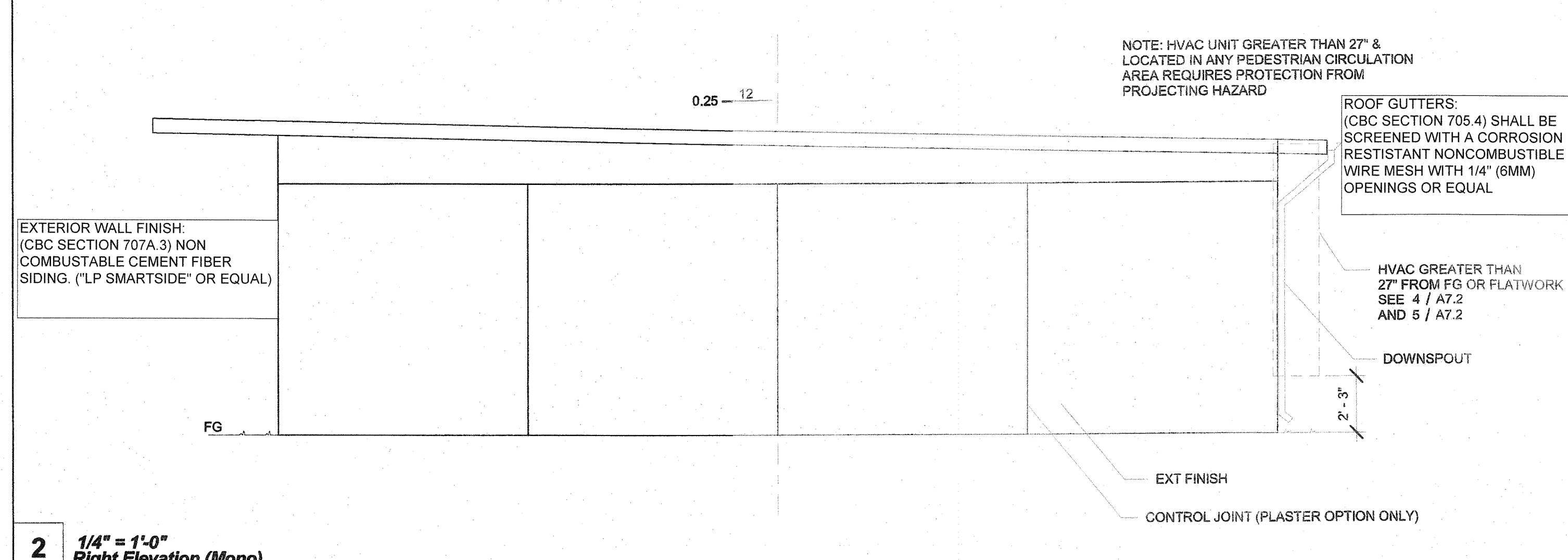
7 3" = 1'-0" Notes A5.0

8 1/4" = 1'-0" Wall Schedule

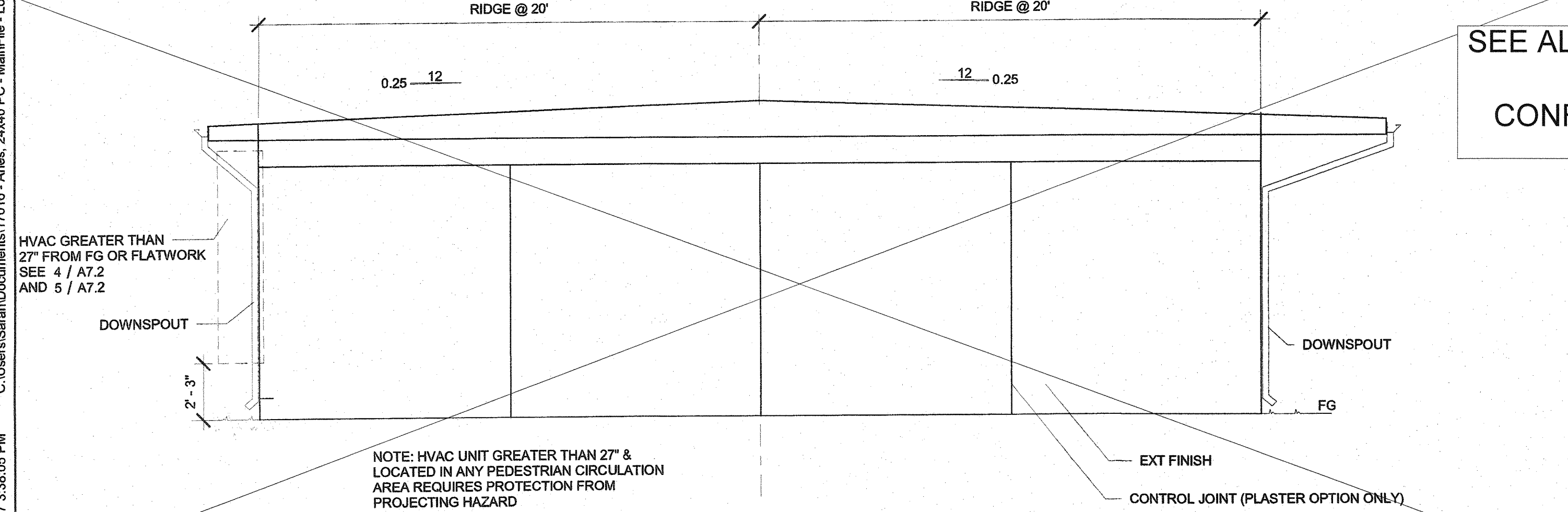
4 1/4" = 1'-0" Right Elevation (Mono w/ Parapet)



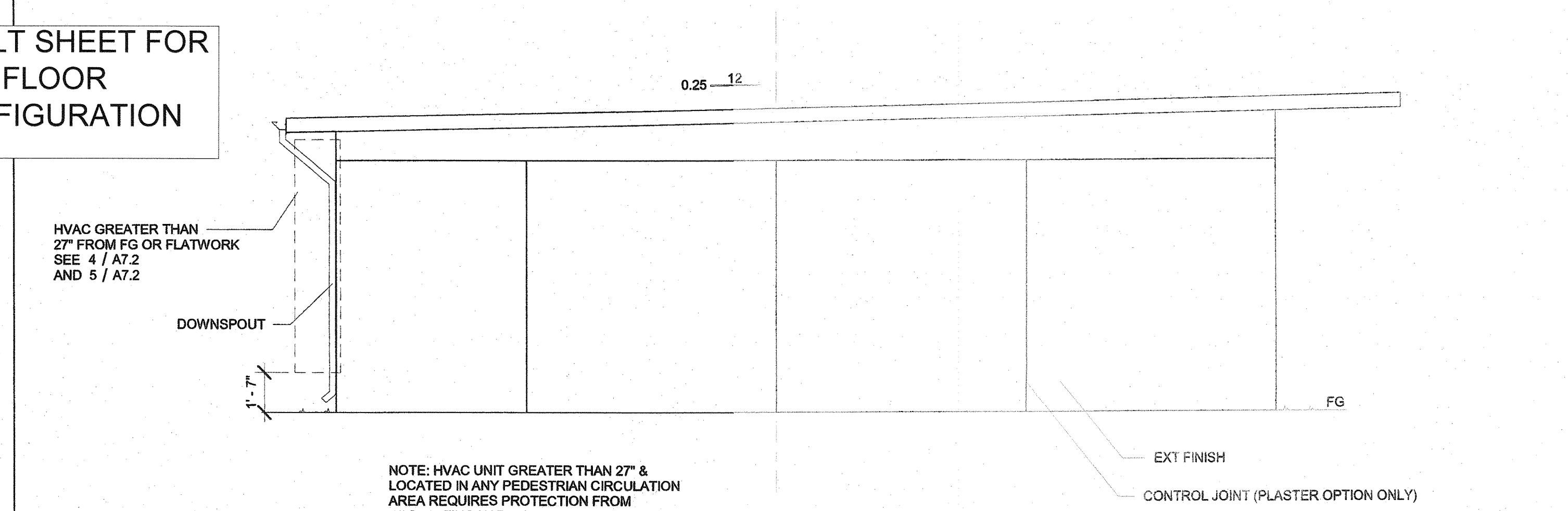
3 1/4" = 1'-0" Left Elevation (Mono w/ Parapet)



6 1/4" = 1'-0" Right Elevation (Dual)



2 1/4" = 1'-0" Right Elevation (Mono)

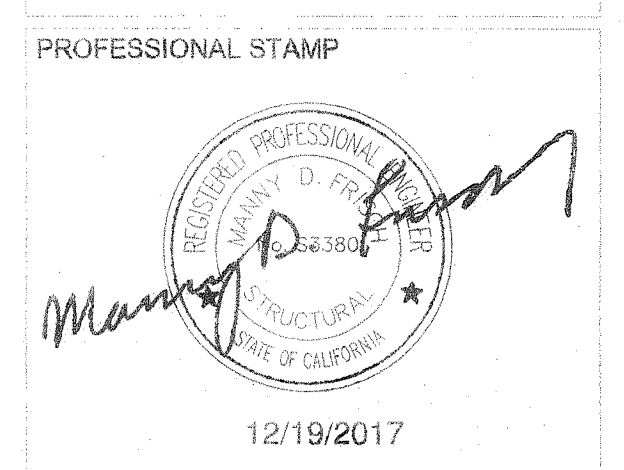


5 1/4" = 1'-0" Left Elevation (Dual)

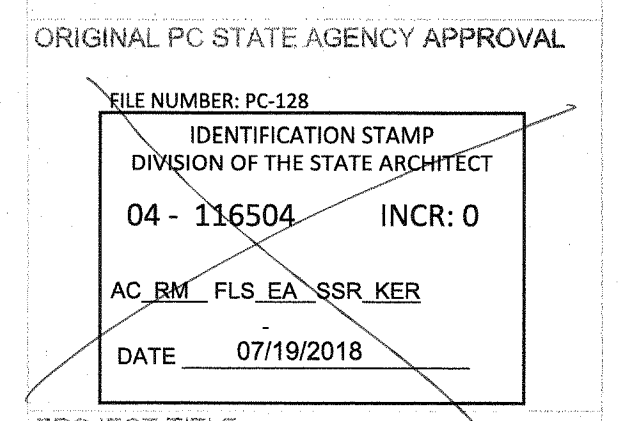
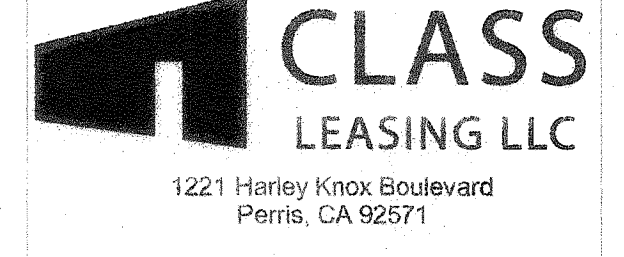
1 1/4" = 1'-0" Left Elevation (Mono)

SEE ALT SHEET FOR FLOOR CONFIGURATION

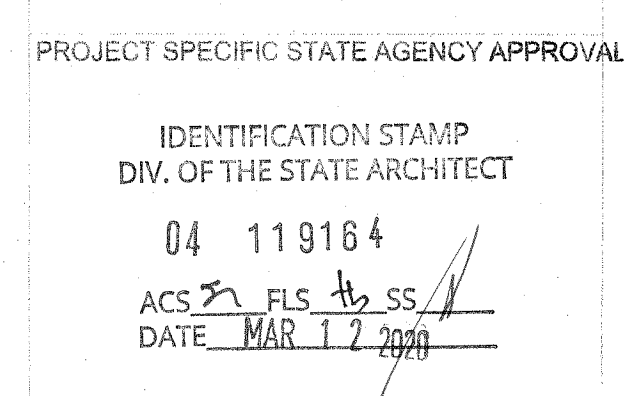
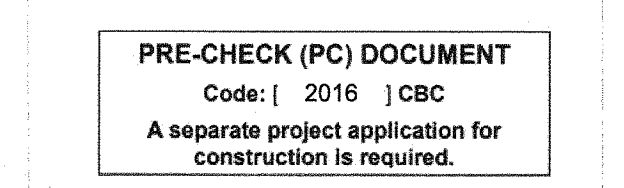
NOTE: HVAC UNIT GREATER THAN 27" & LOCATED IN ANY PEDESTRIAN CIRCULATION AREA REQUIRES PROTECTION FROM PROJECTING HAZARD



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PROJECT TITLE
24' x 40'
EXPANDABLE TO
120' x 40'



Revision Schedule		
#	Description	Date

SHEET TITLE
SIDEWALL ELEVATION

PROJECT NUMBER
17016A
DRAWN BY
rMc/SC
CHECKED BY
JA/RT
DATE
2017/06/05
SHEET NO.

A5.0

C:\Users\Sarah\Documents\17016 - A5.0 - 24x40 PC - MainFiles - Low Seismic_Sarah.rvt
12/18/2017 3:38:05 PM

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CLIENT
CLASS LEASING LLC
 1221 Harley Knox Boulevard
 Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
 FILE NUMBER: PC-128
 IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 04 - 116504 INCR: 0
 AC_RM_FL5_EA_SBR_KER
 DATE 07/19/2018

PROJECT TITLE
24' x 40' EXPANDABLE TO 120' x 40'
 PRE-CHECK (PC) DOCUMENT
 Code: 2016 | CBC
 A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 04 119164
 ACS 2 FL5 EA SS
 DATE MAR 12 2019

Revision Schedule

#	Description	Date

SHEET TITLE
ENDWALL ELEVATIONS

PROJECT NUMBER
 17016A

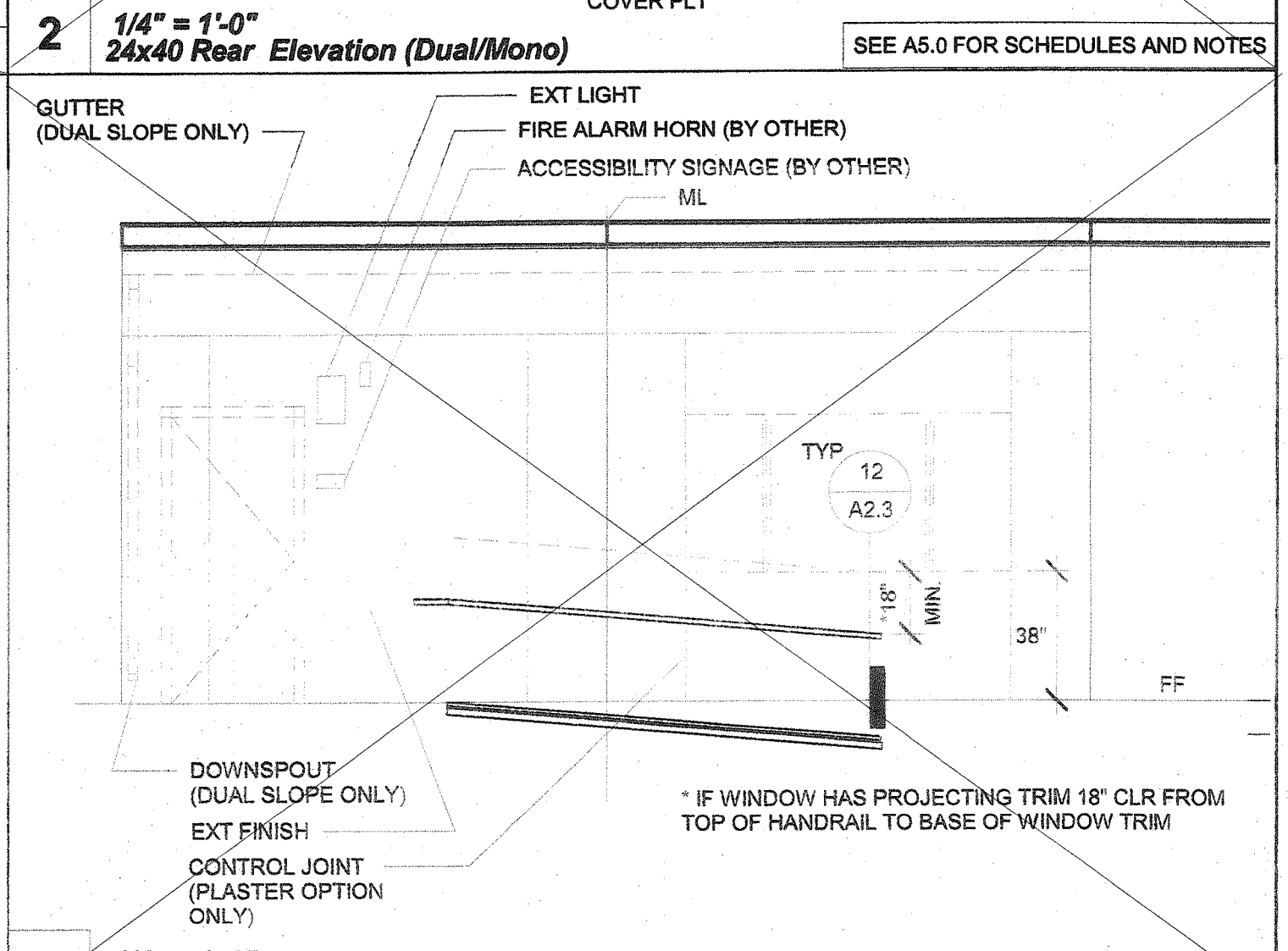
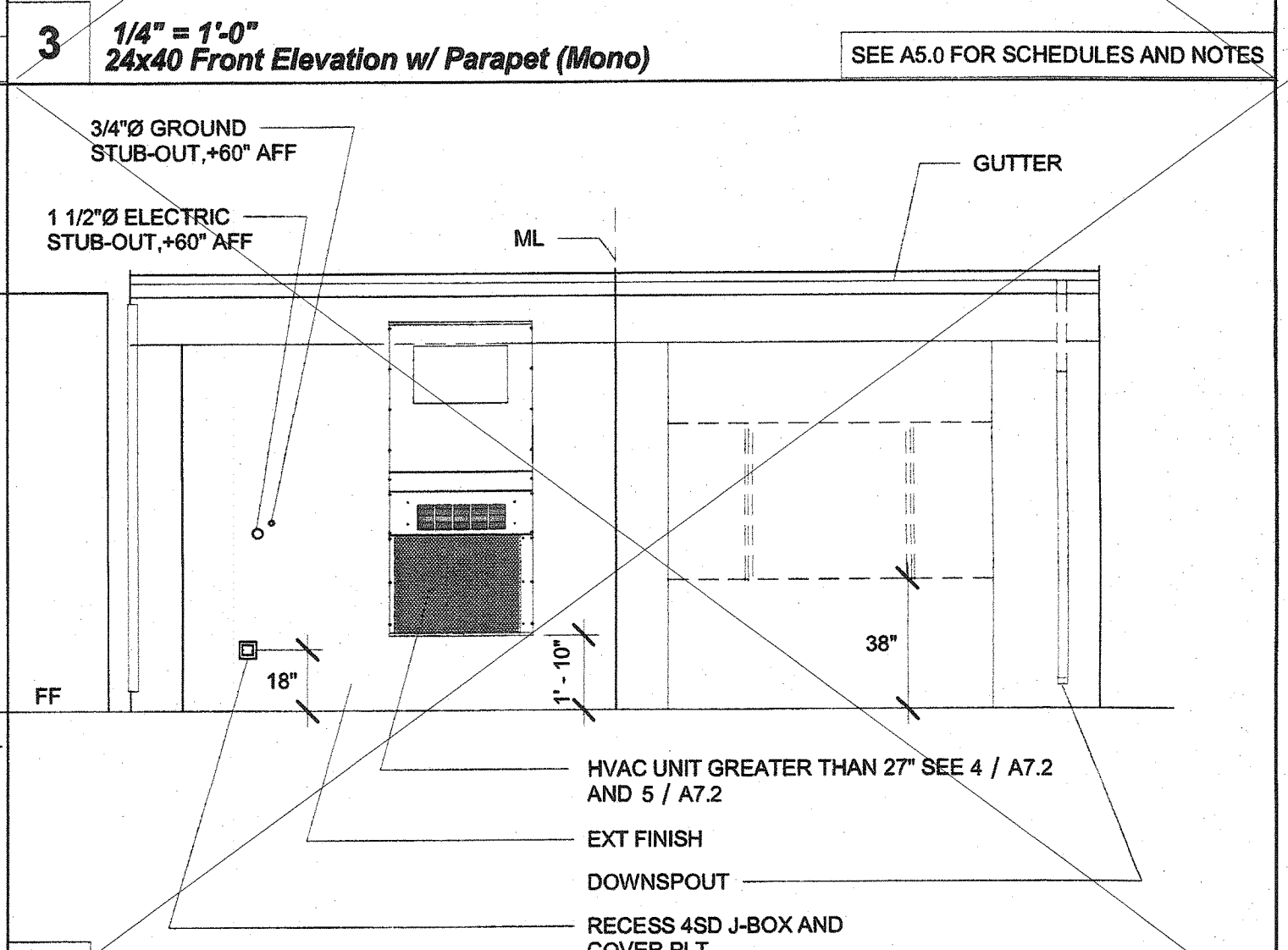
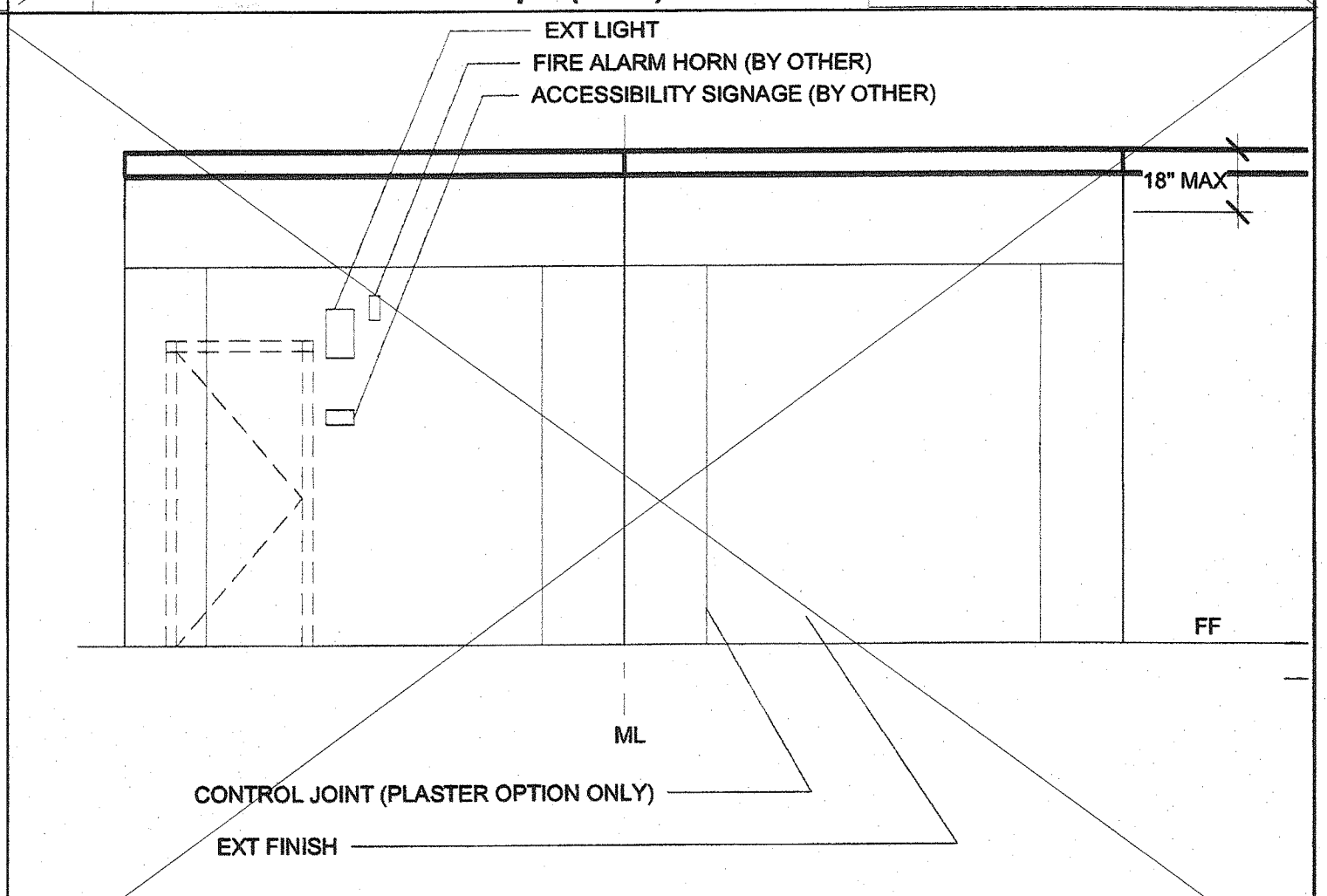
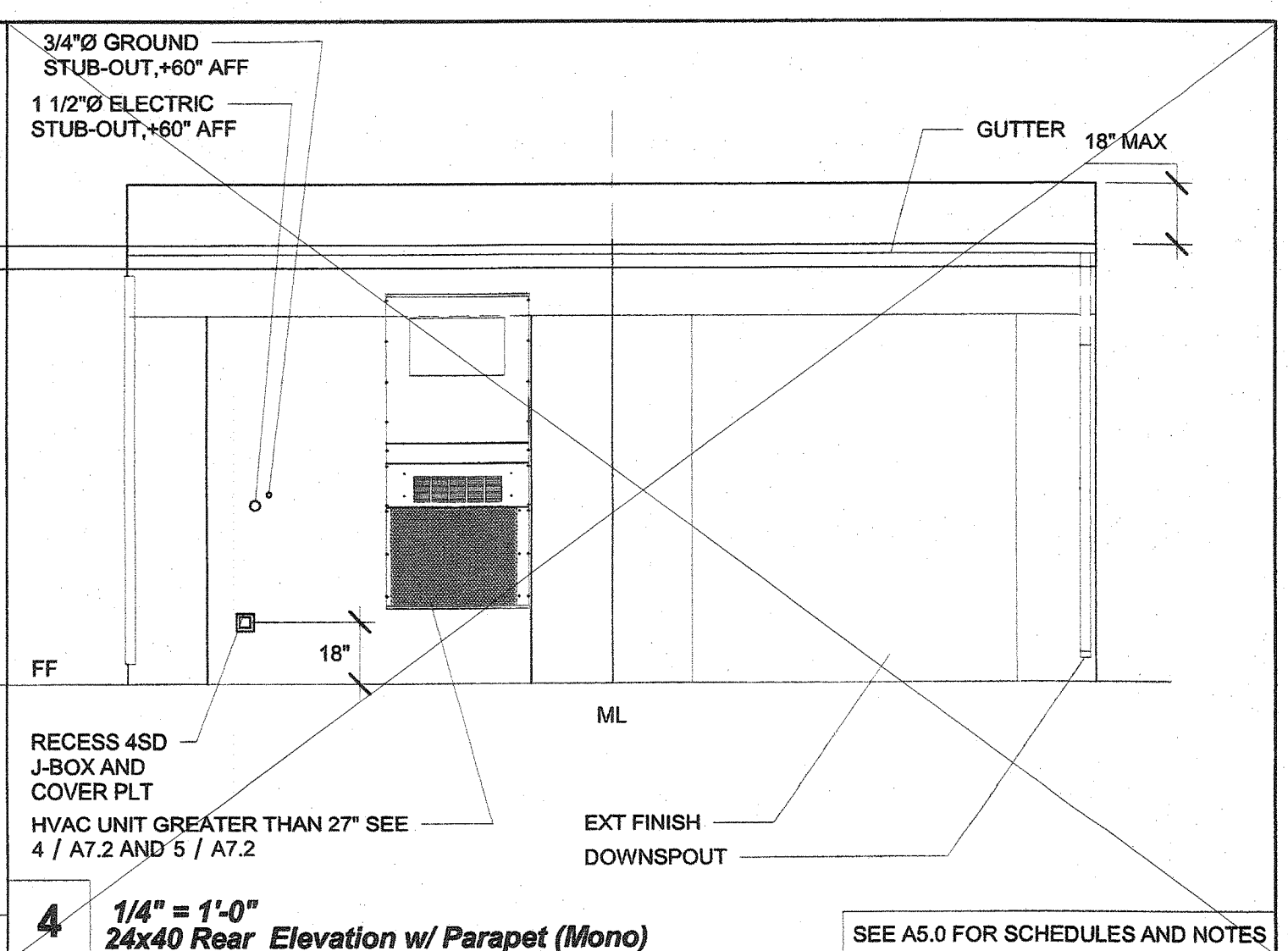
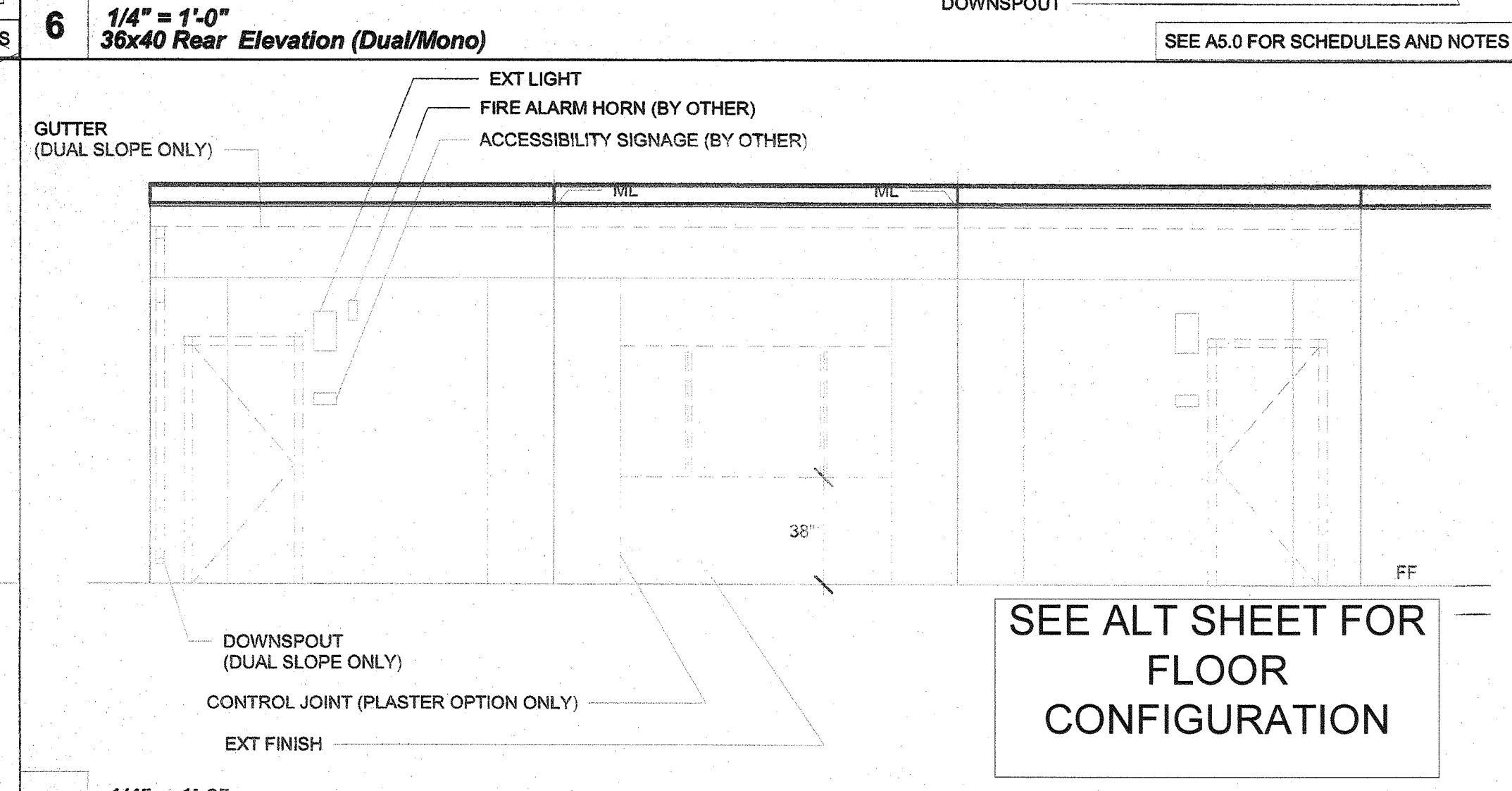
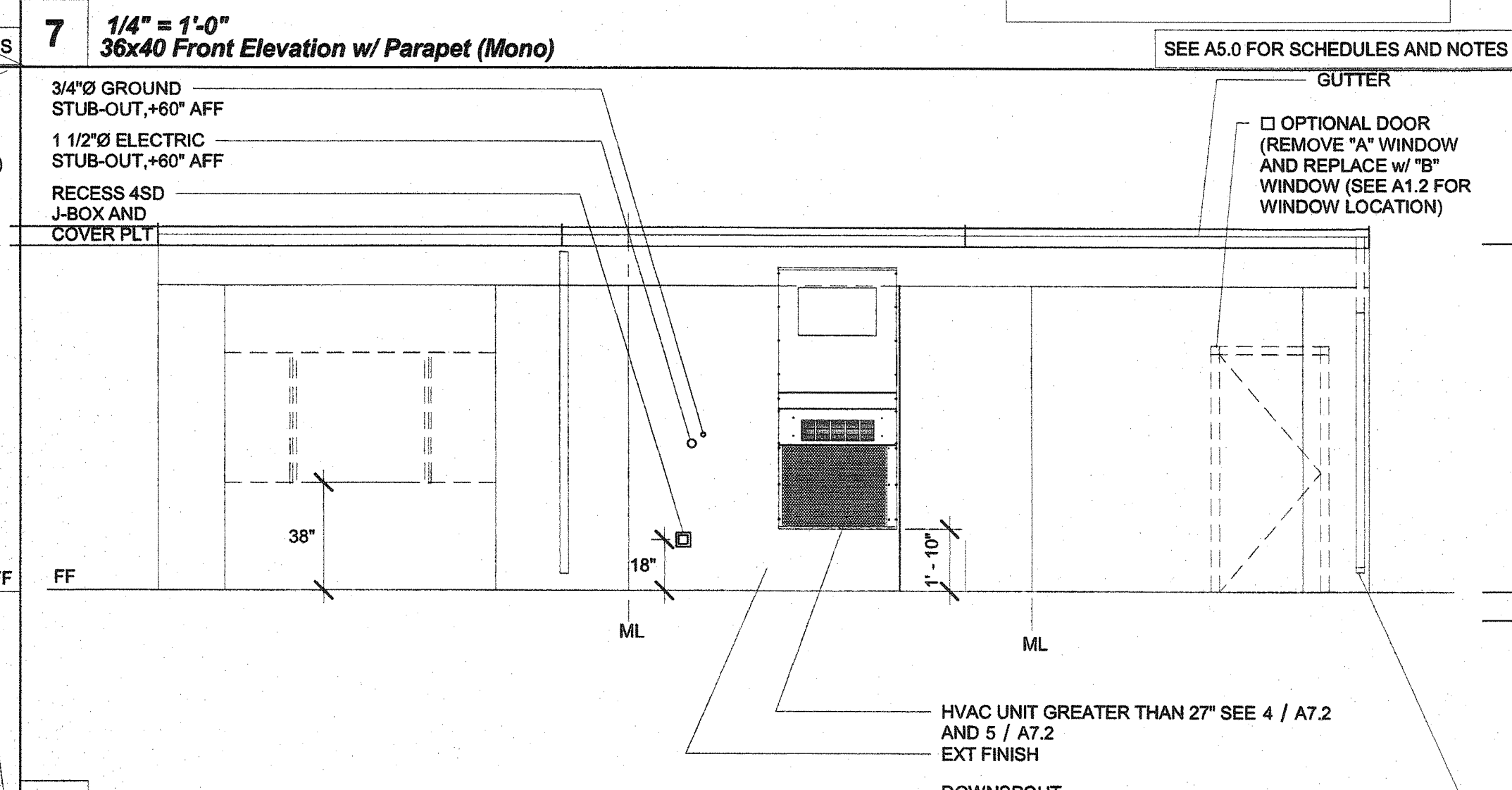
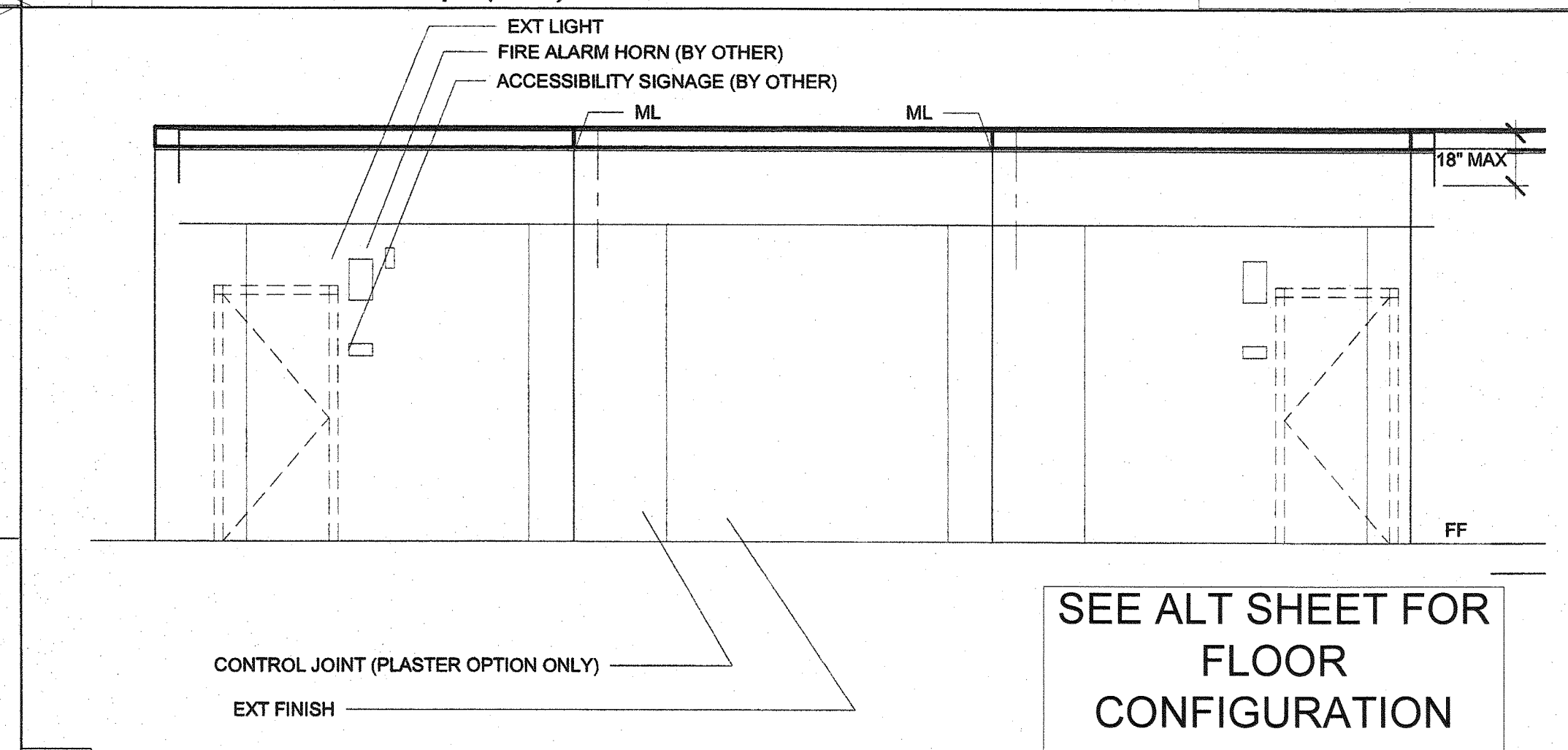
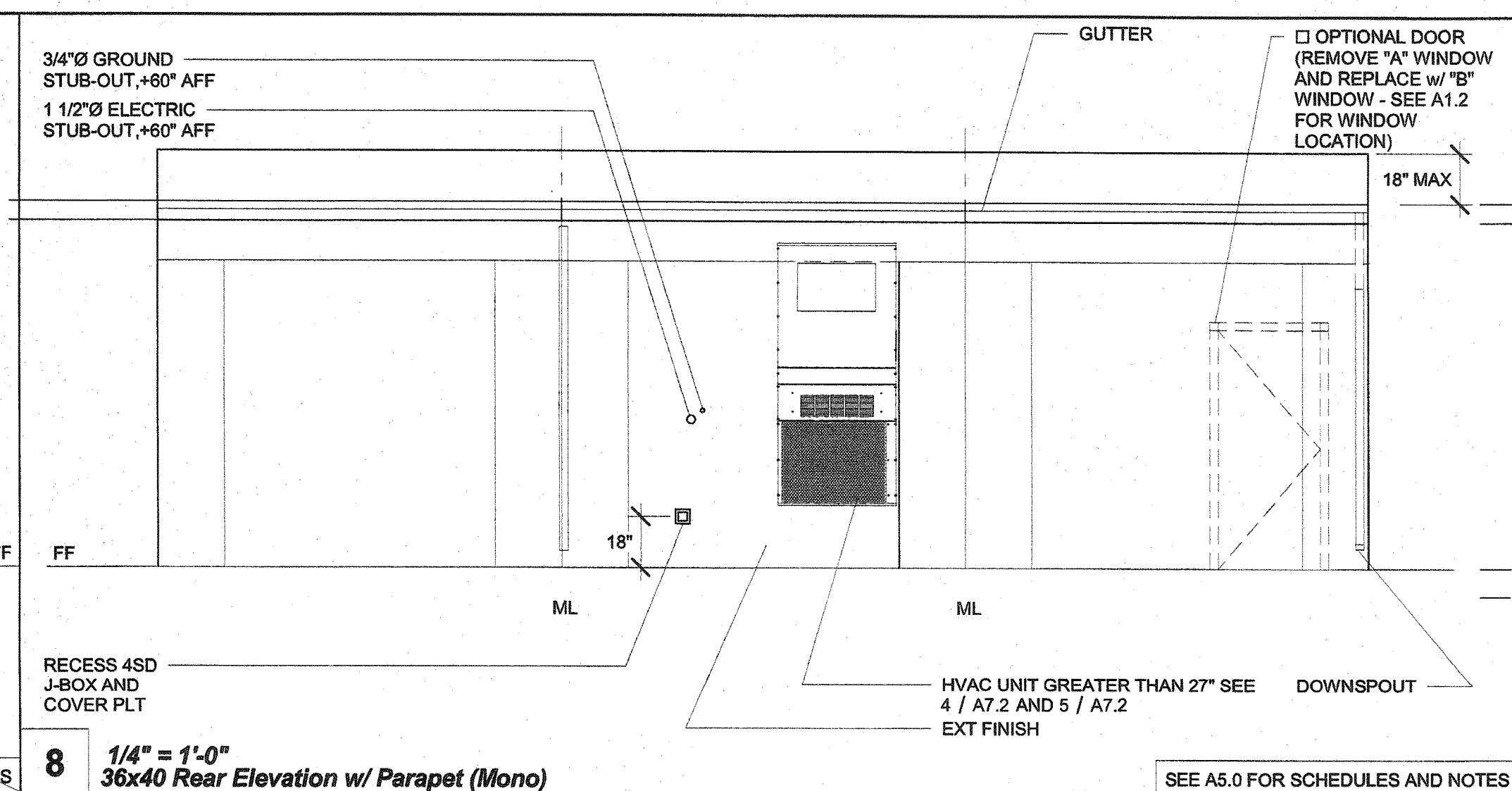
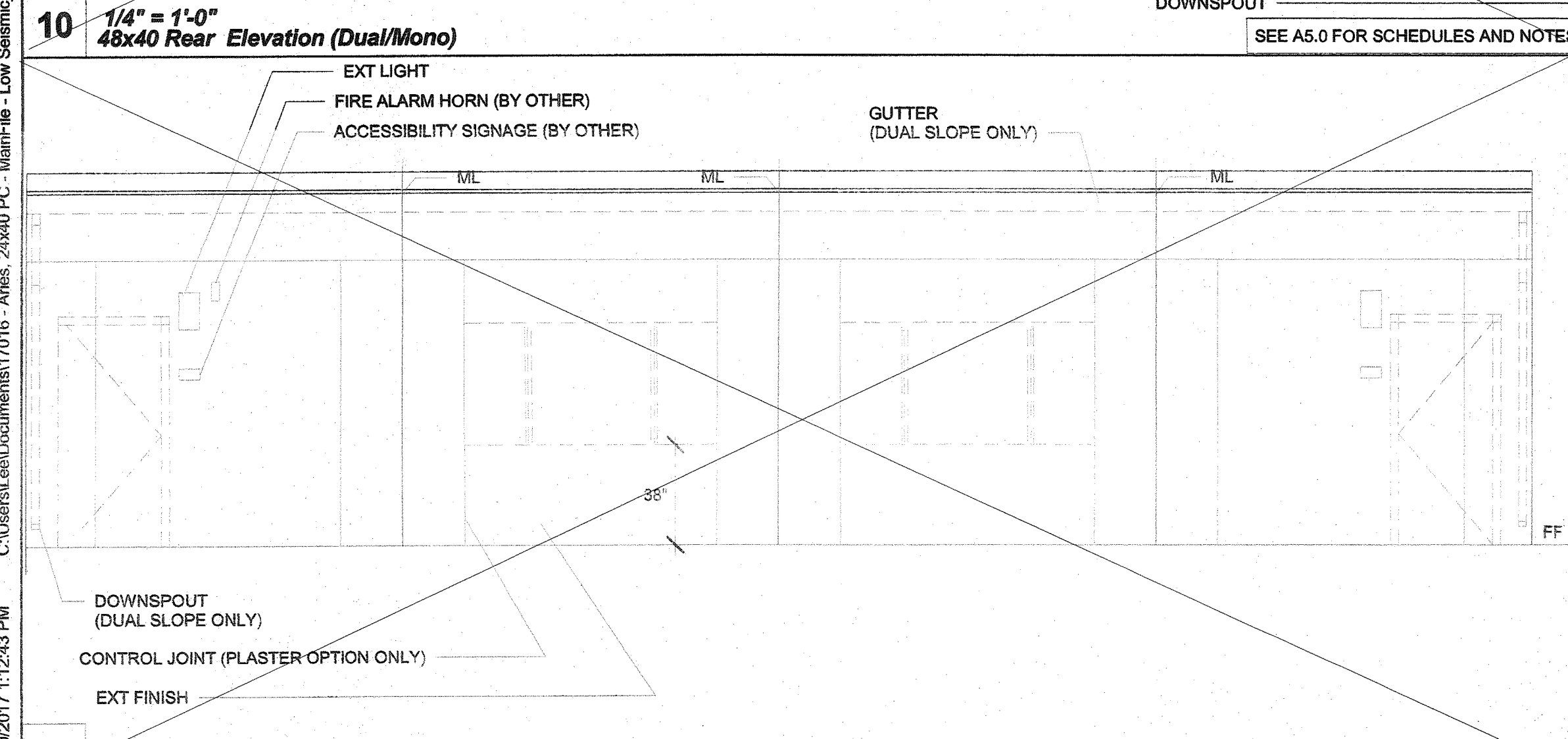
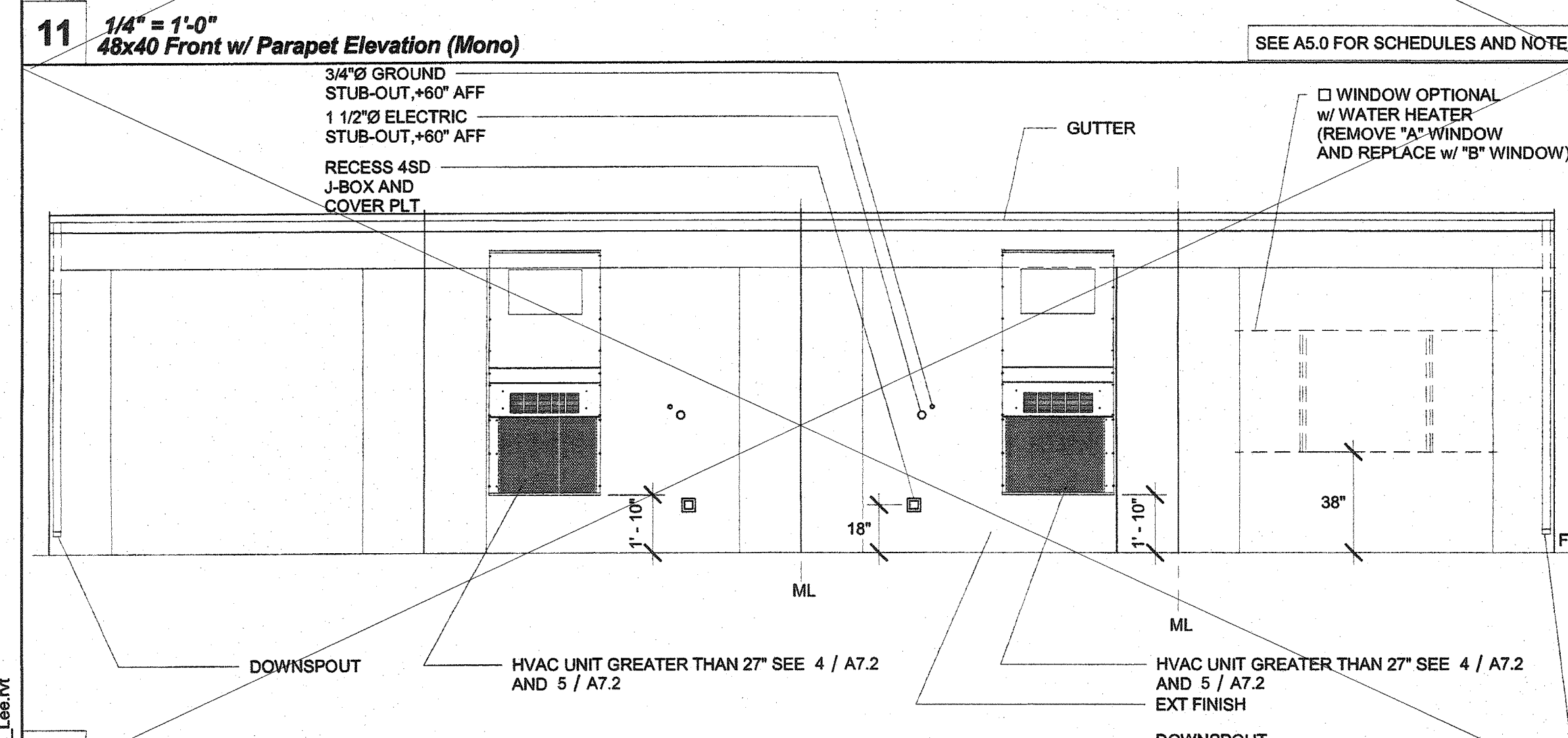
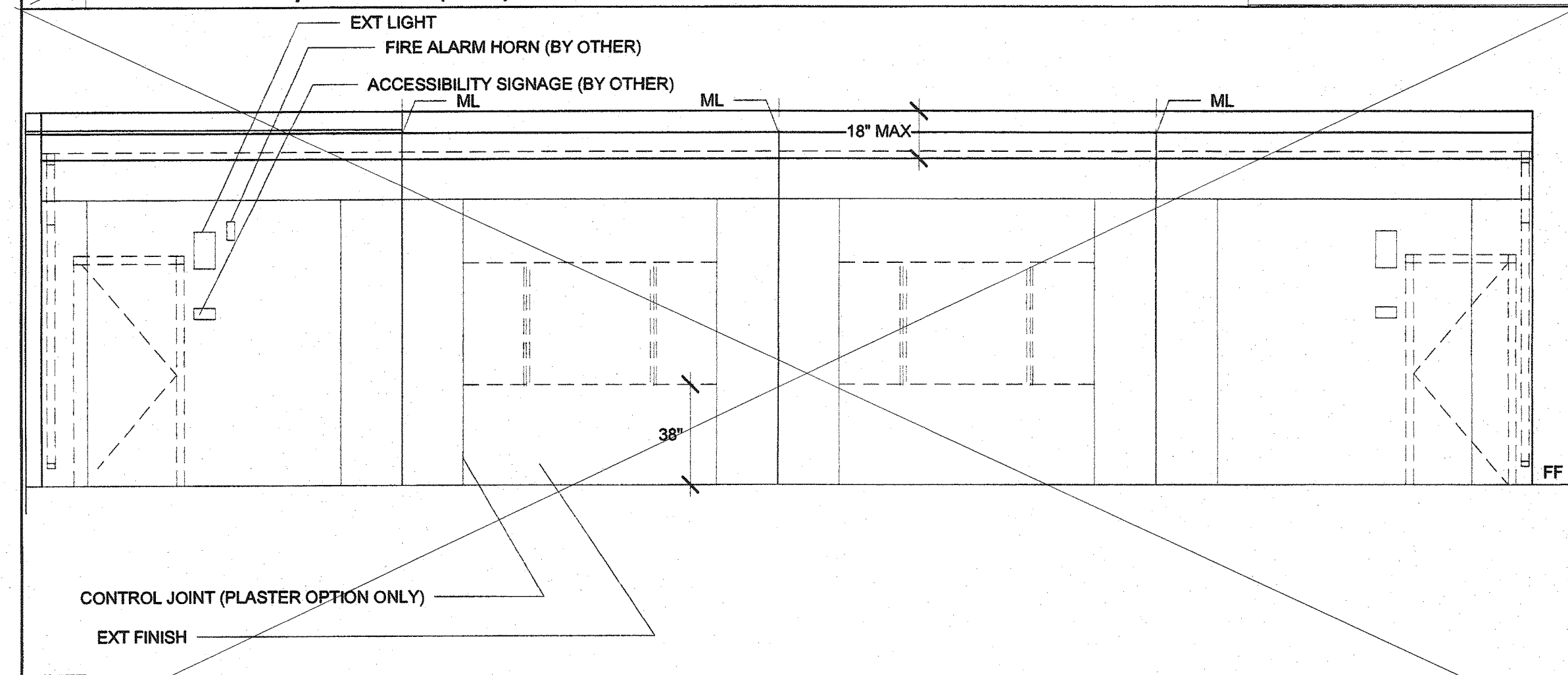
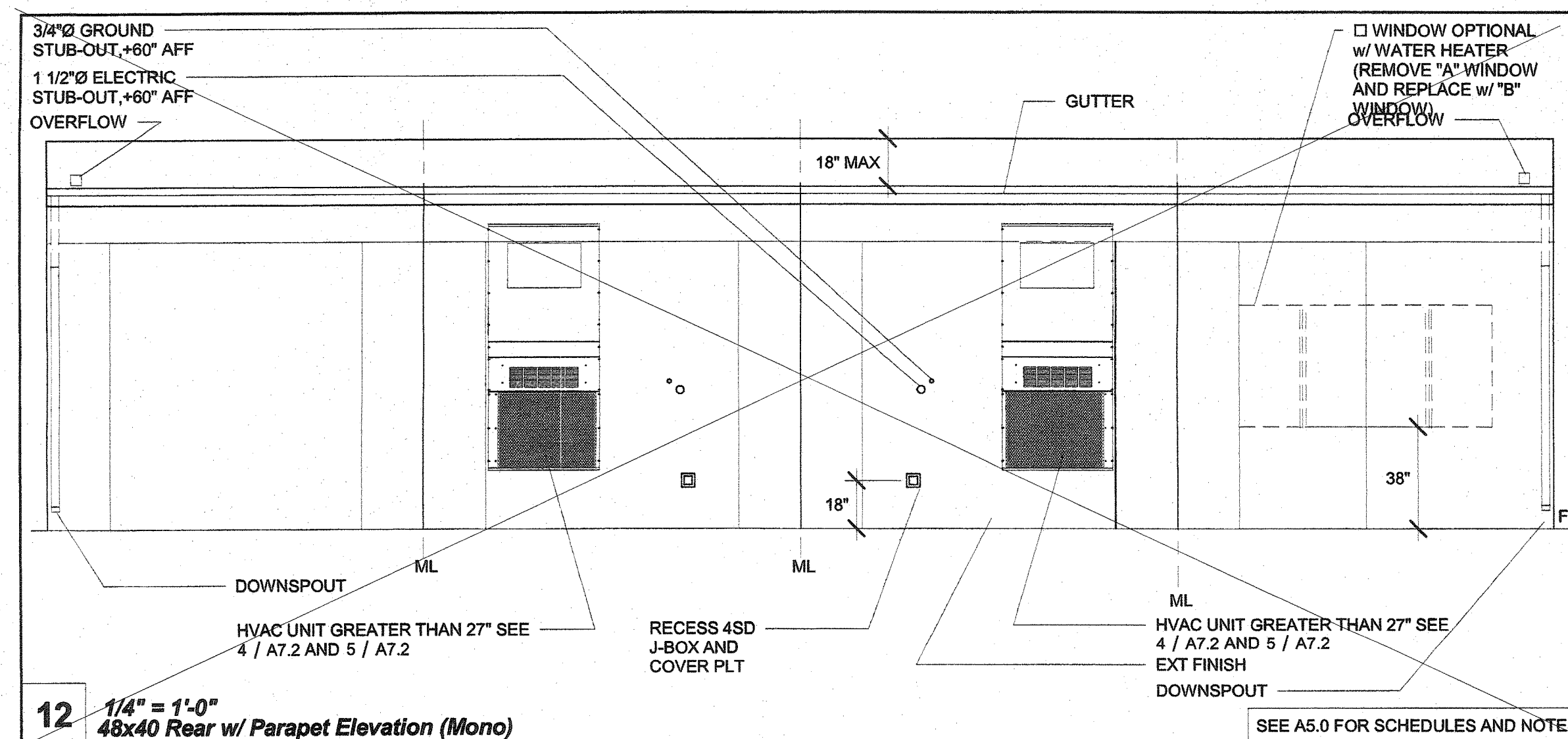
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DATE
 2017/06/05

SHEET NO.
A5.1

SHEET OF SHEETS

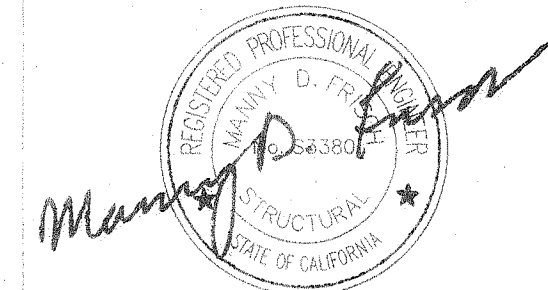


SEE ALT SHEET FOR FLOOR CONFIGURATION

SEE ALT SHEET FOR FLOOR CONFIGURATION

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PROFESSIONAL STAMP



12/19/2017

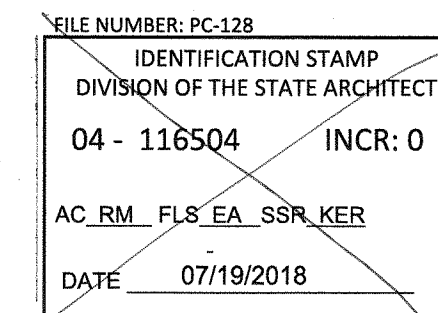
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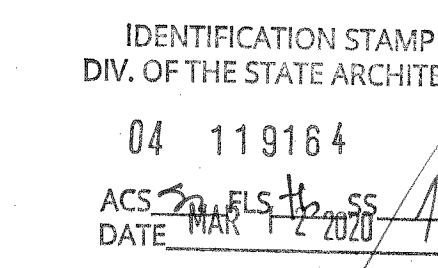
ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE
24' x 40'
EXPANDABLE TO
120' x 40'

PRE-CHECK (PC) DOCUMENT
 Code: 2016 | CBC
 A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date

SHEET TITLE
INTERIOR ELEVATIONS

PROJECT NUMBER
 17016A

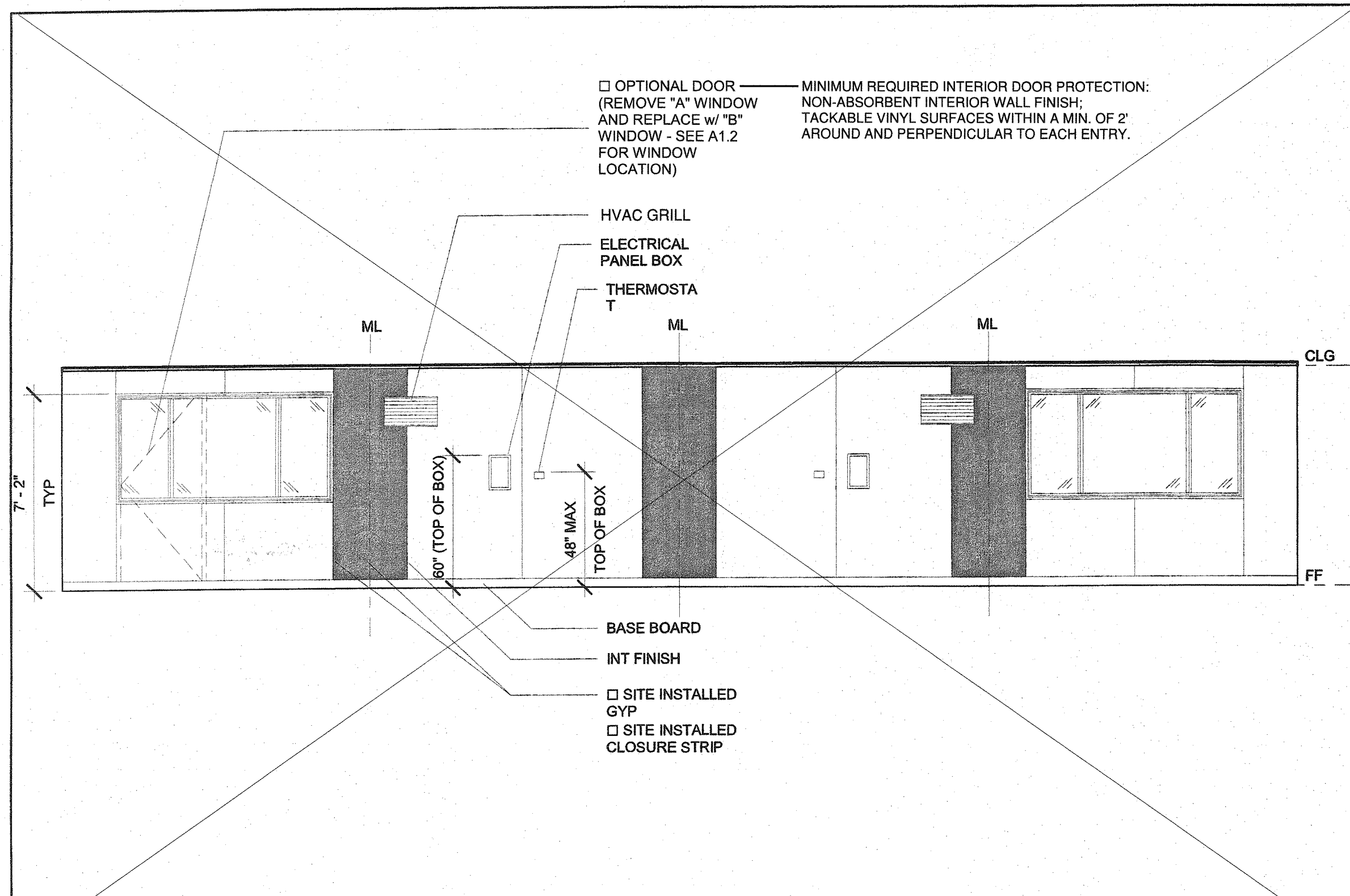
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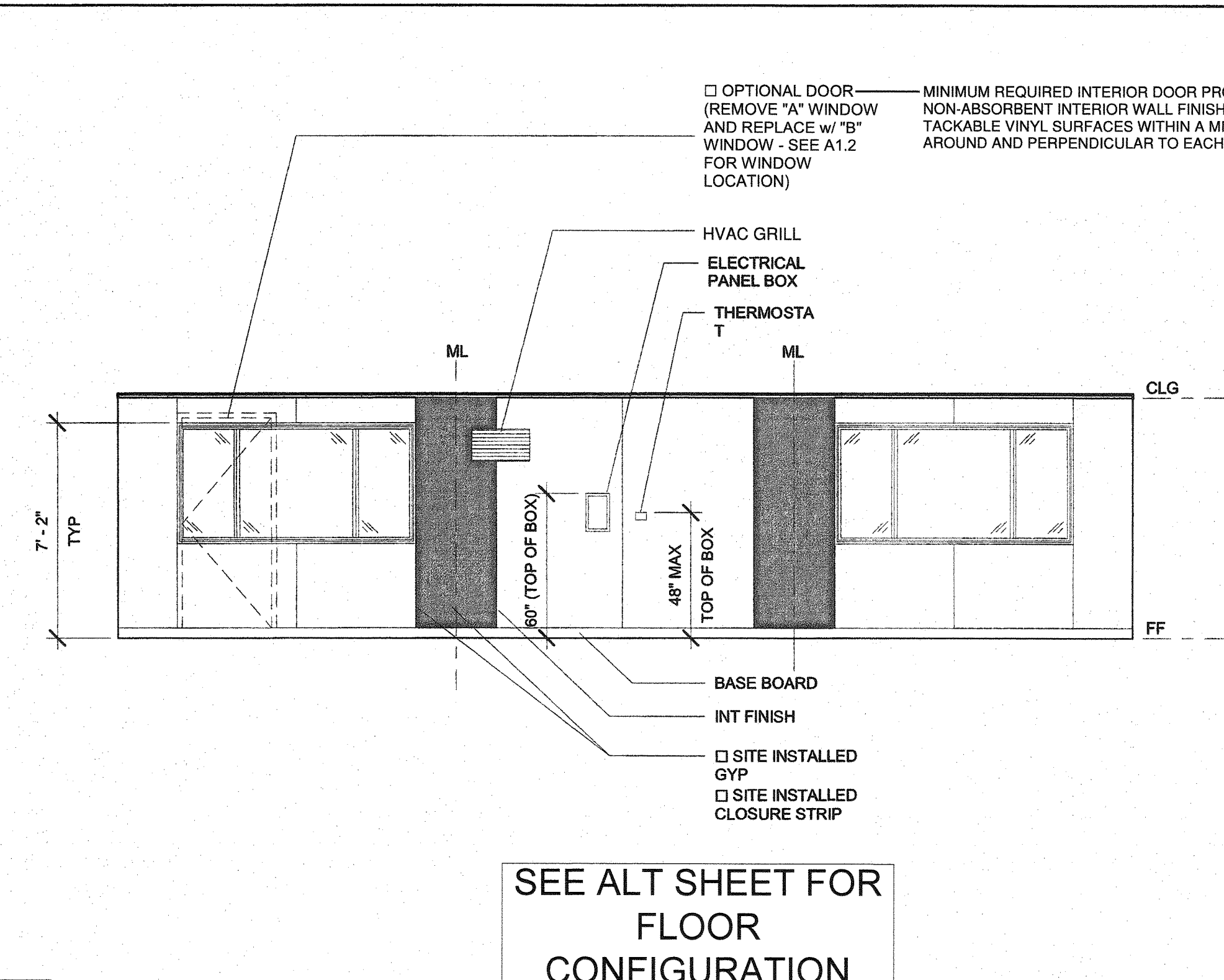
DATE
 2017/06/05

SHEET NO.
A5.2

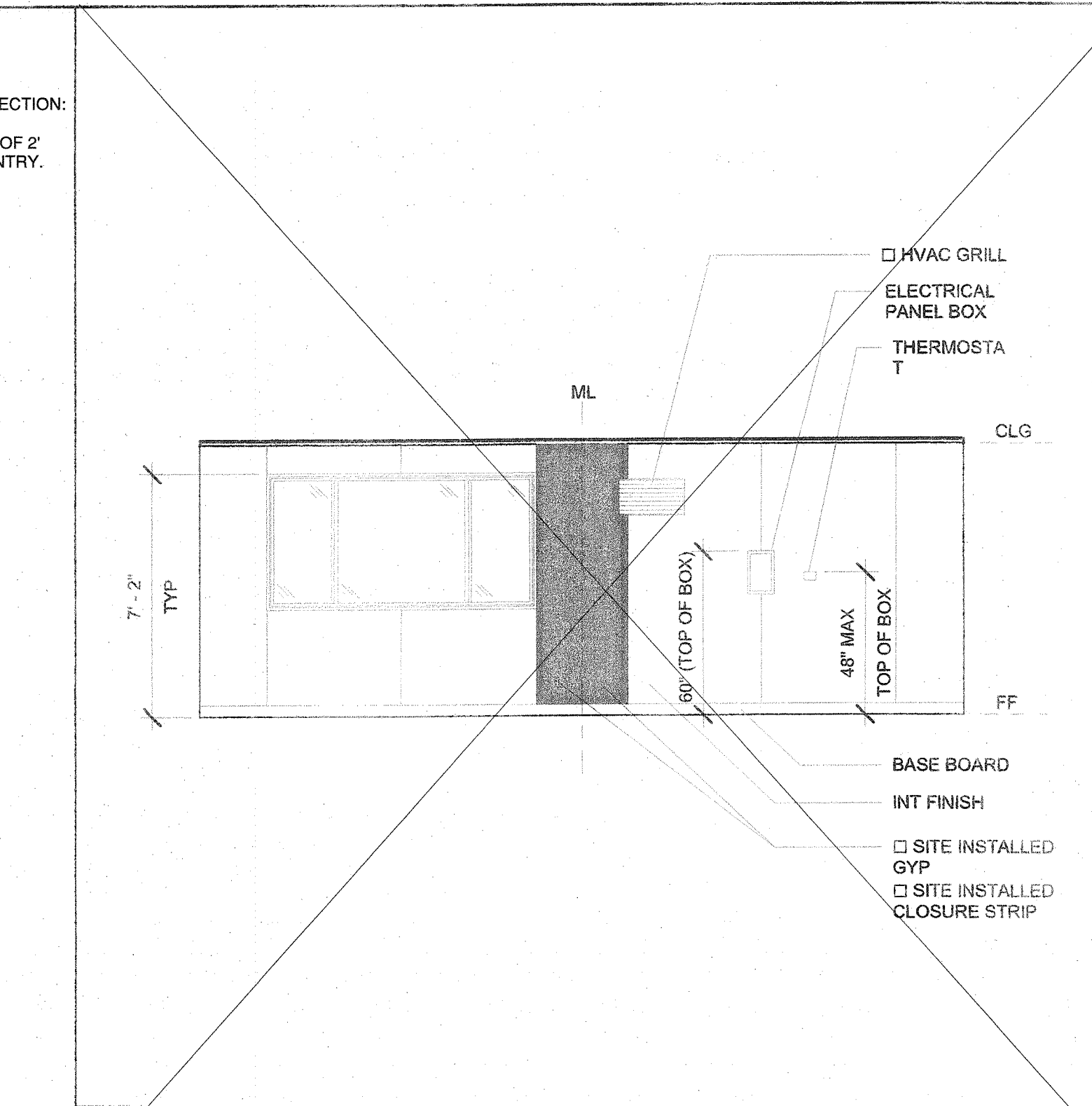
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7 1/4" = 1'-0"
 48x40 Rear Interior Elevation

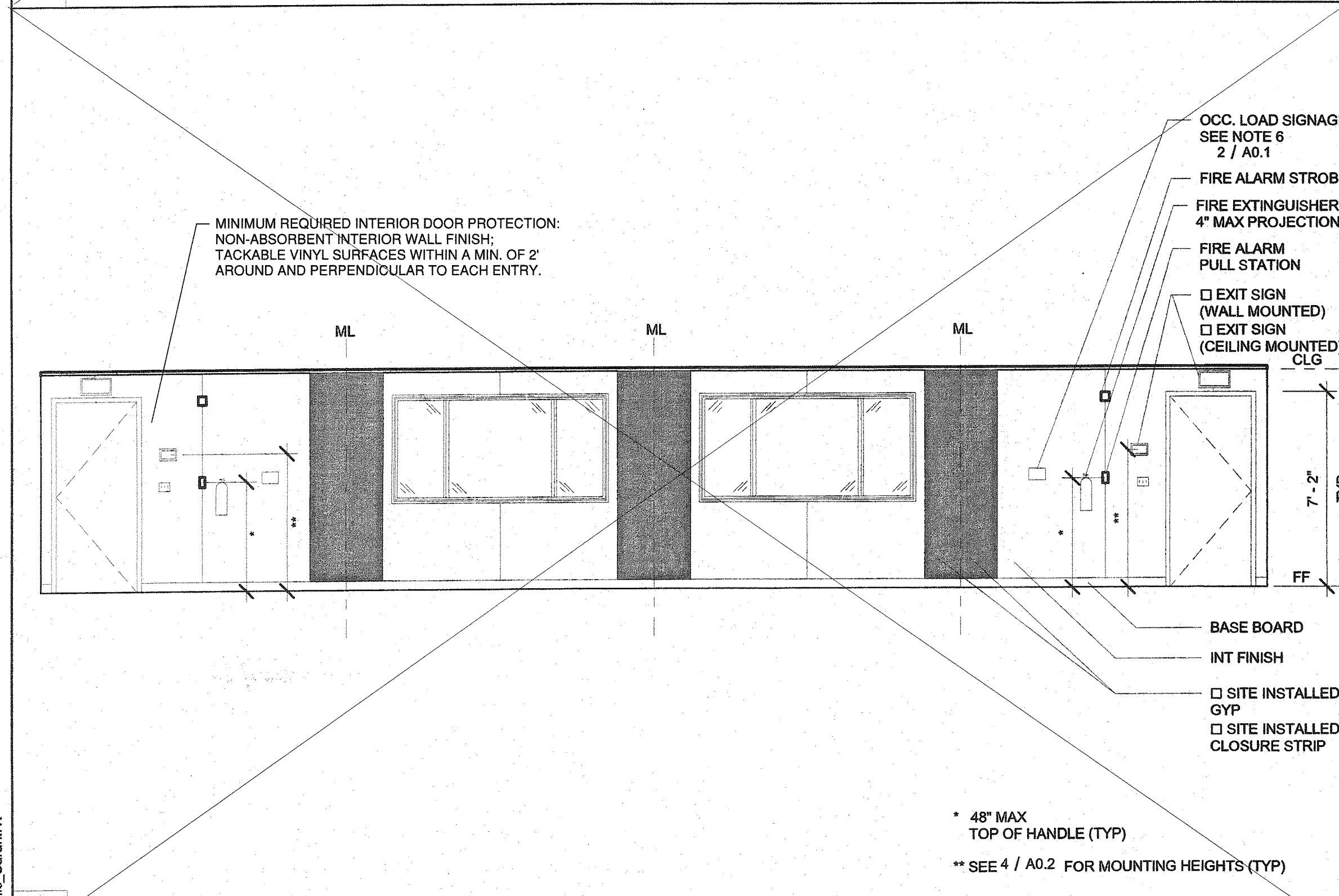


6 1/4" = 1'-0"
 36x40 Rear Interior Elevation

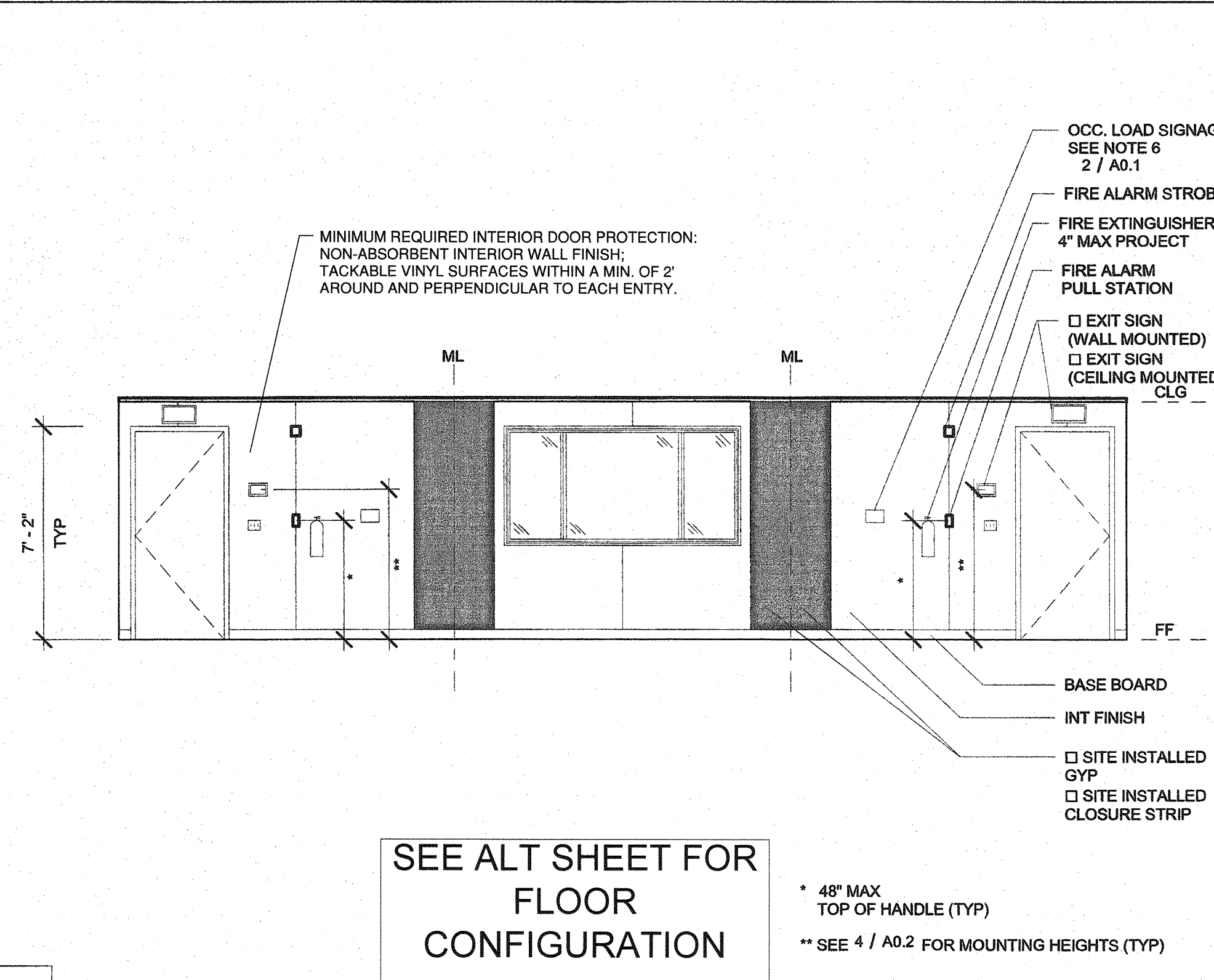


4 1/4" = 1'-0"
 24x40 Rear Interior Elevation

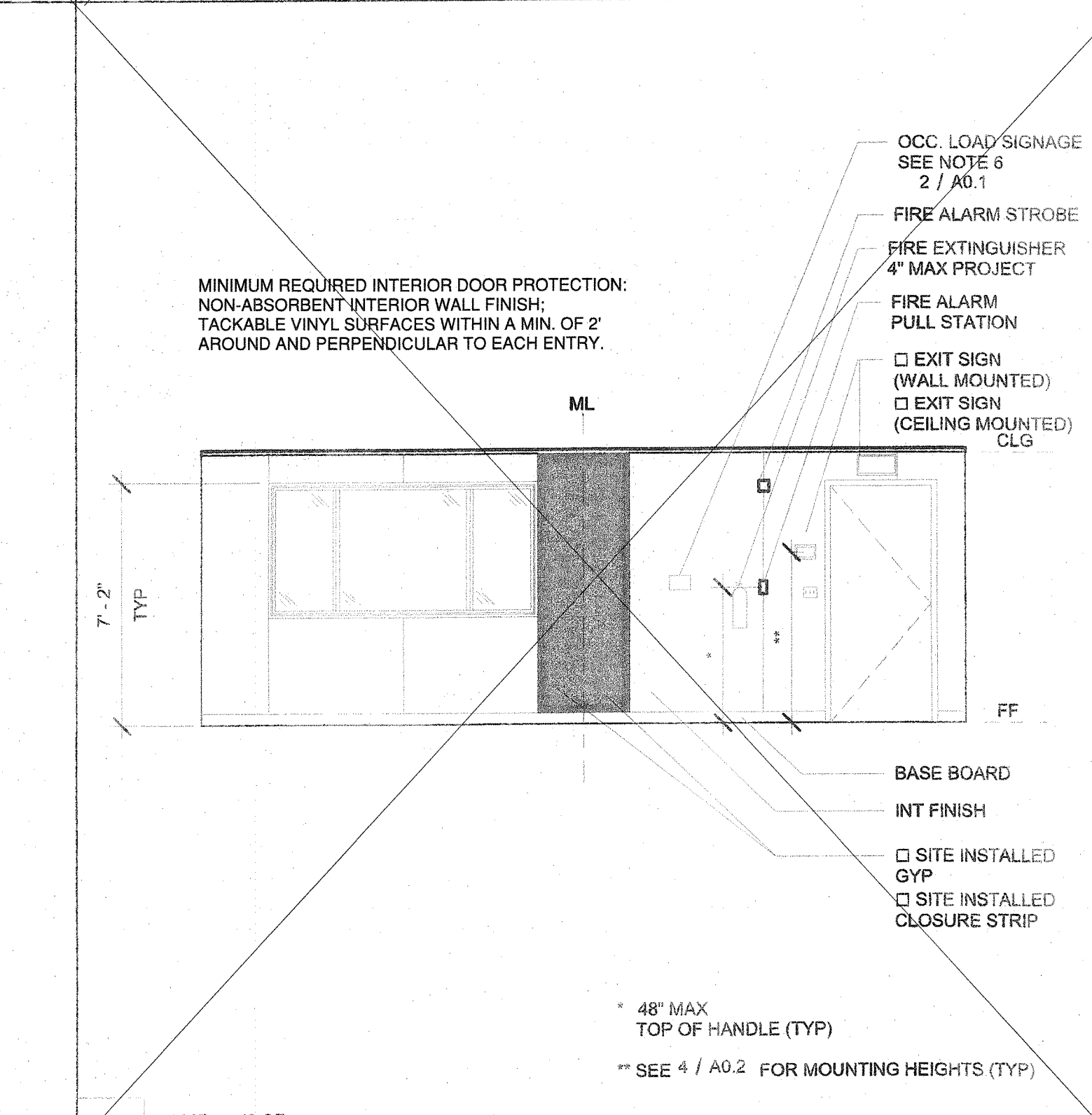
SEE ALT SHEET FOR FLOOR CONFIGURATION



8 1/4" = 1'-0"
 48x40 Front Interior Elevation

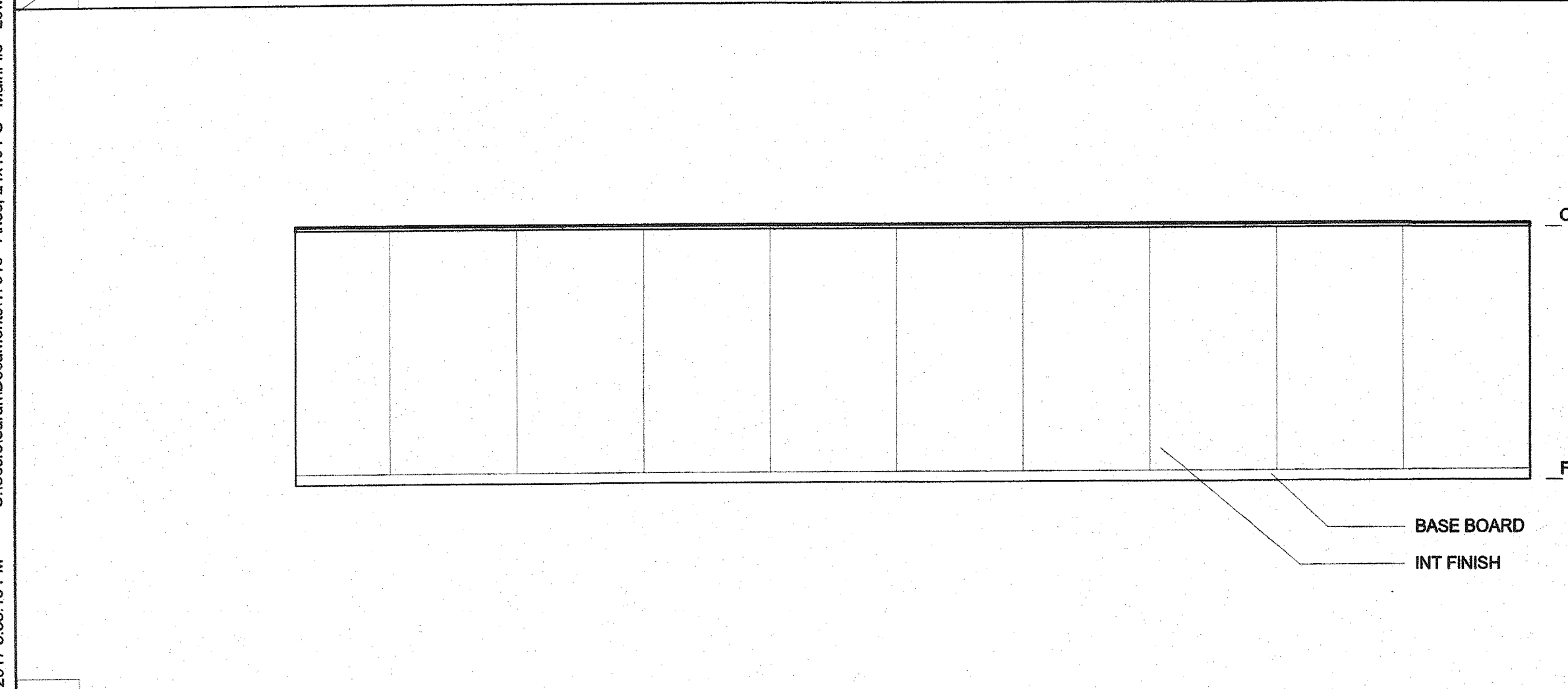


5 1/4" = 1'-0"
 36x40 Front Interior Elevation

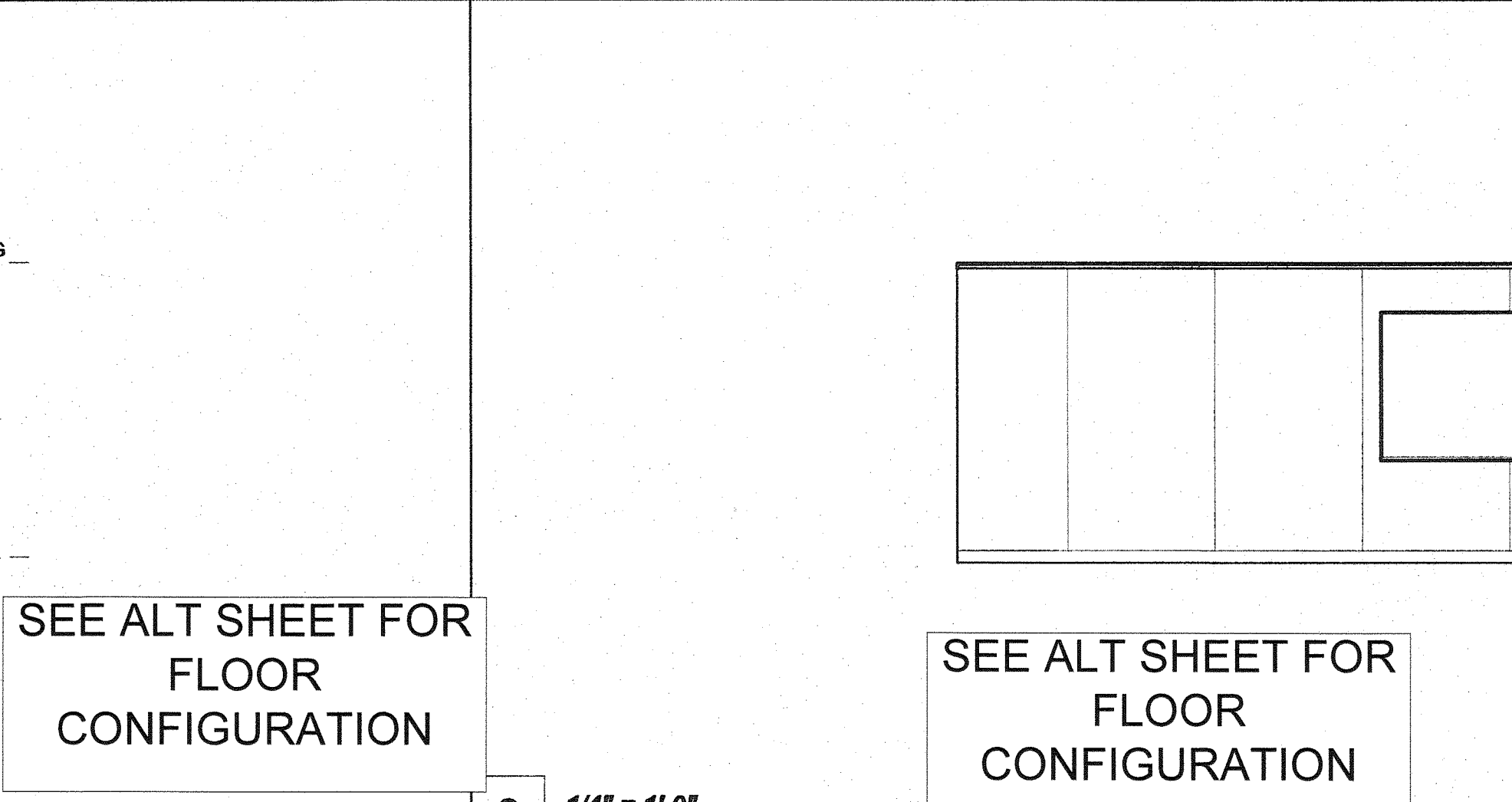


3 1/4" = 1'-0"
 24x40 Front Interior Elevation

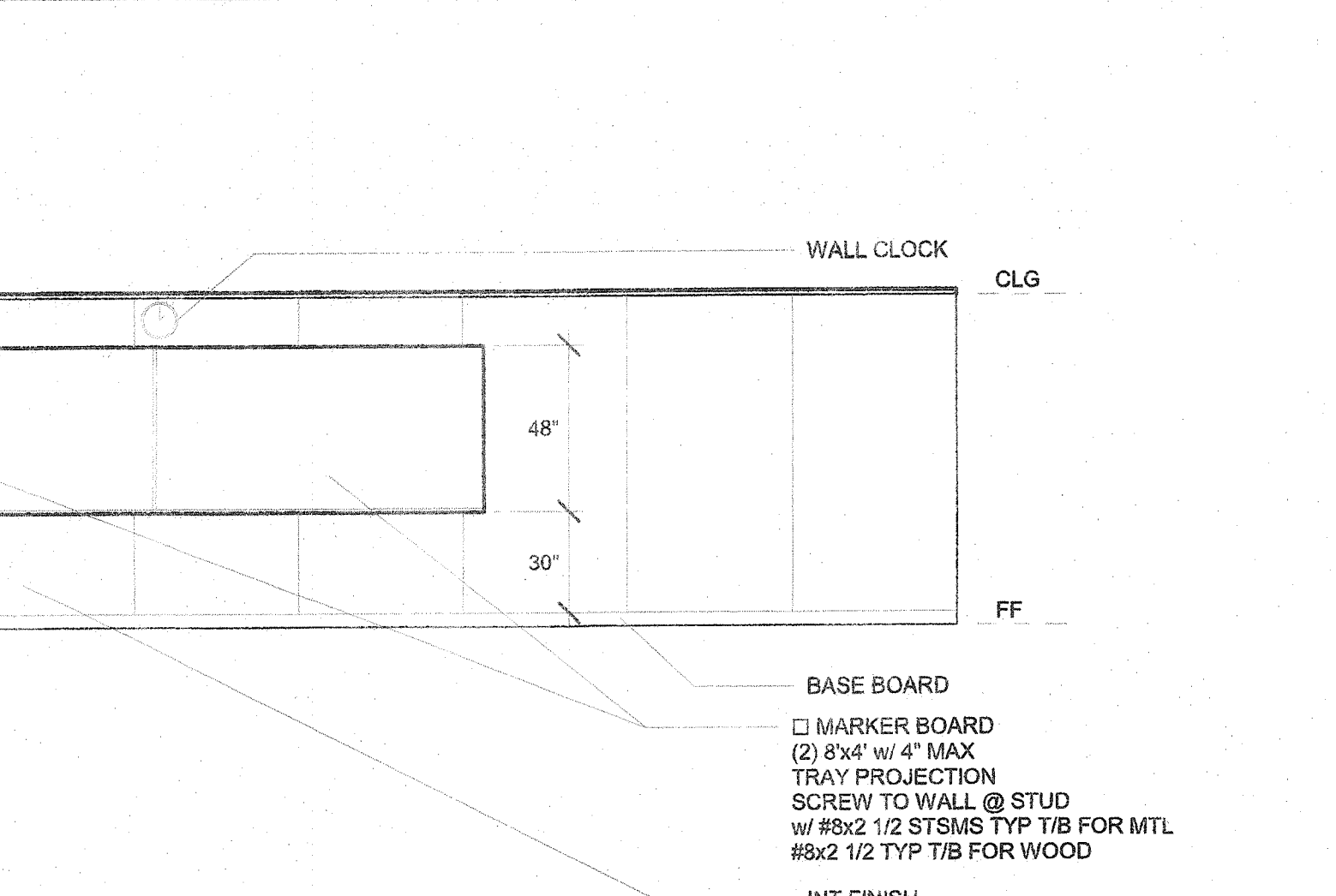
SEE ALT SHEET FOR FLOOR CONFIGURATION



1 1/4" = 1'-0"
 Interior Elevation (Left)



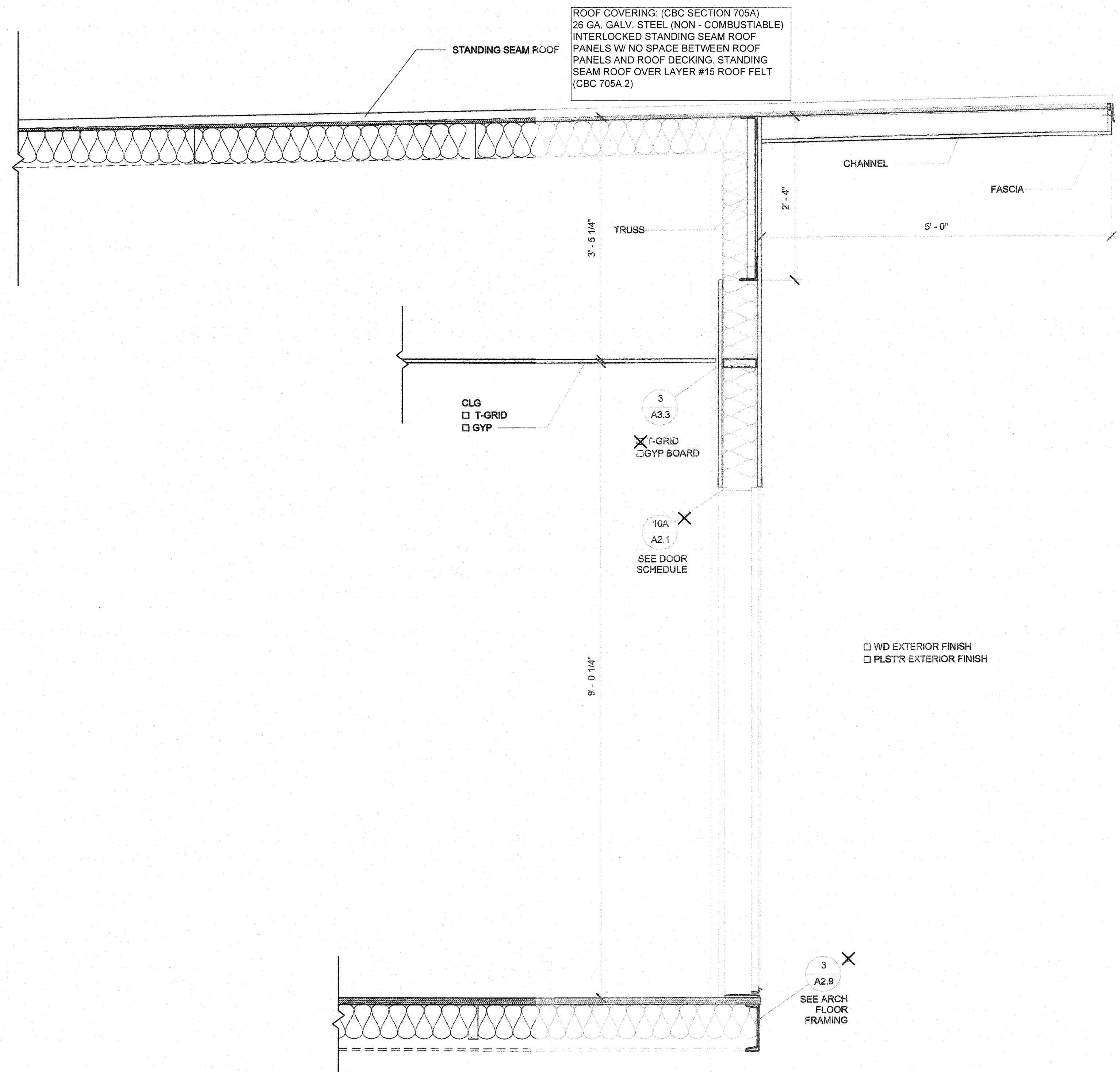
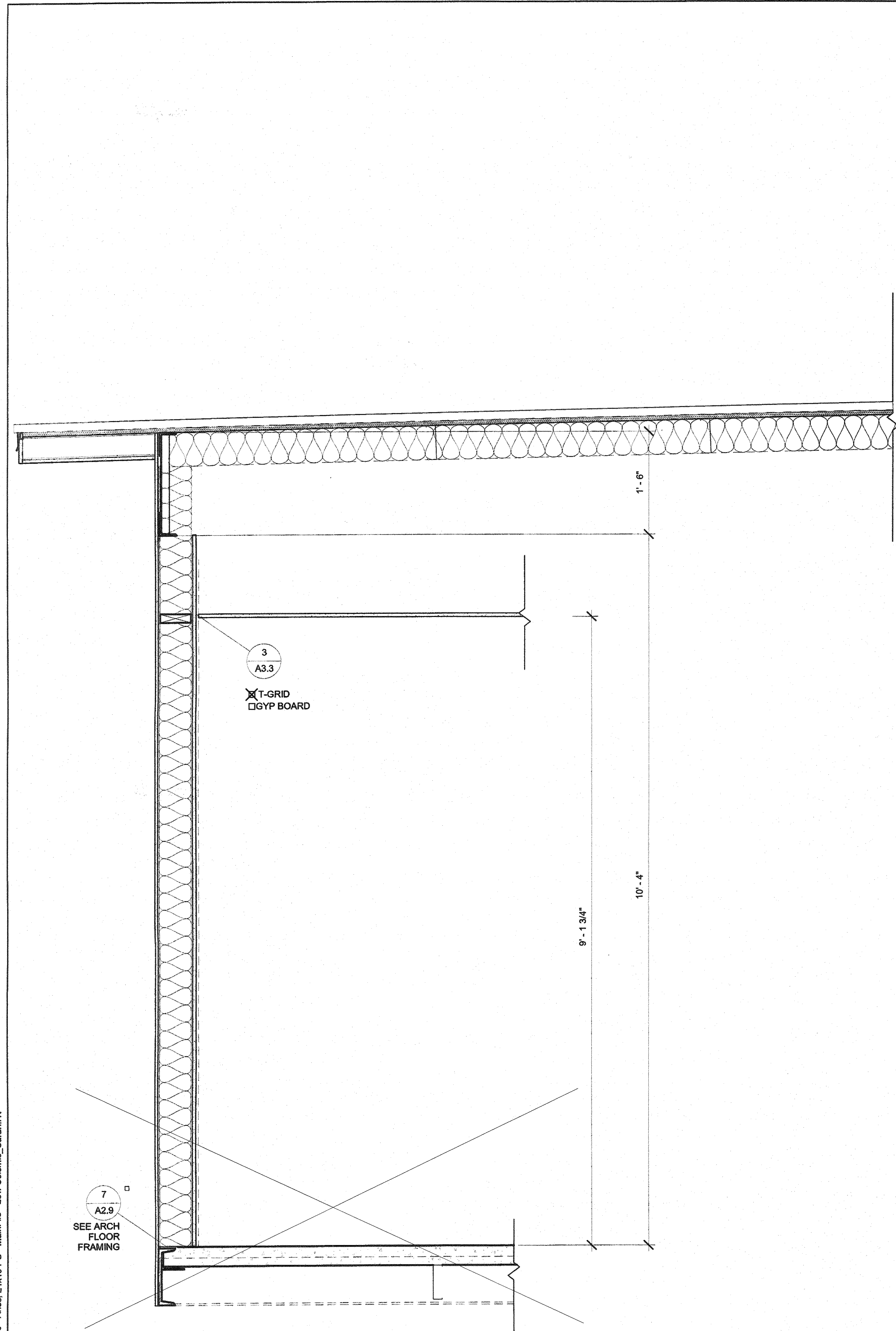
2 1/4" = 1'-0"
 Interior Elevation (Right)



3 1/4" = 1'-0"
 Interior Elevation

SEE ALT SHEET FOR FLOOR CONFIGURATION

SEE ALT SHEET FOR FLOOR CONFIGURATION

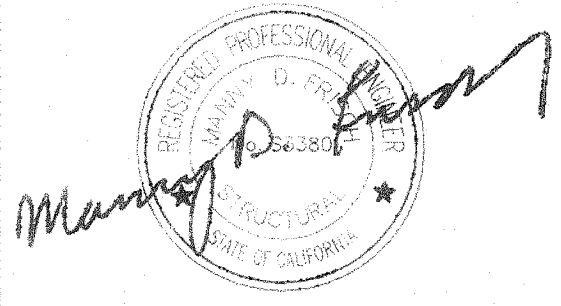


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1 1" = 1'-0" Section (EPDM)2



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Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

FILE NUMBER: PC-128
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116504 INCR: 0
AC, RM, FLS, EA, SSR, KER
DATE 07/19/2018

PROJECT TITLE
**24' x 40'
EXPANDABLE TO
120' x 40'**

PRE-CHECK (PC) DOCUMENT
Code: I 2016 | CBC
A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 119164
ACS, FLS, EA, SSR, KER
DATE MAR 17 2020

Revision Schedule

#	Description	Date

SHEET TITLE
**SECTION -
STANDING SEAM
(MONO)**

PROJECT NUMBER
17016A

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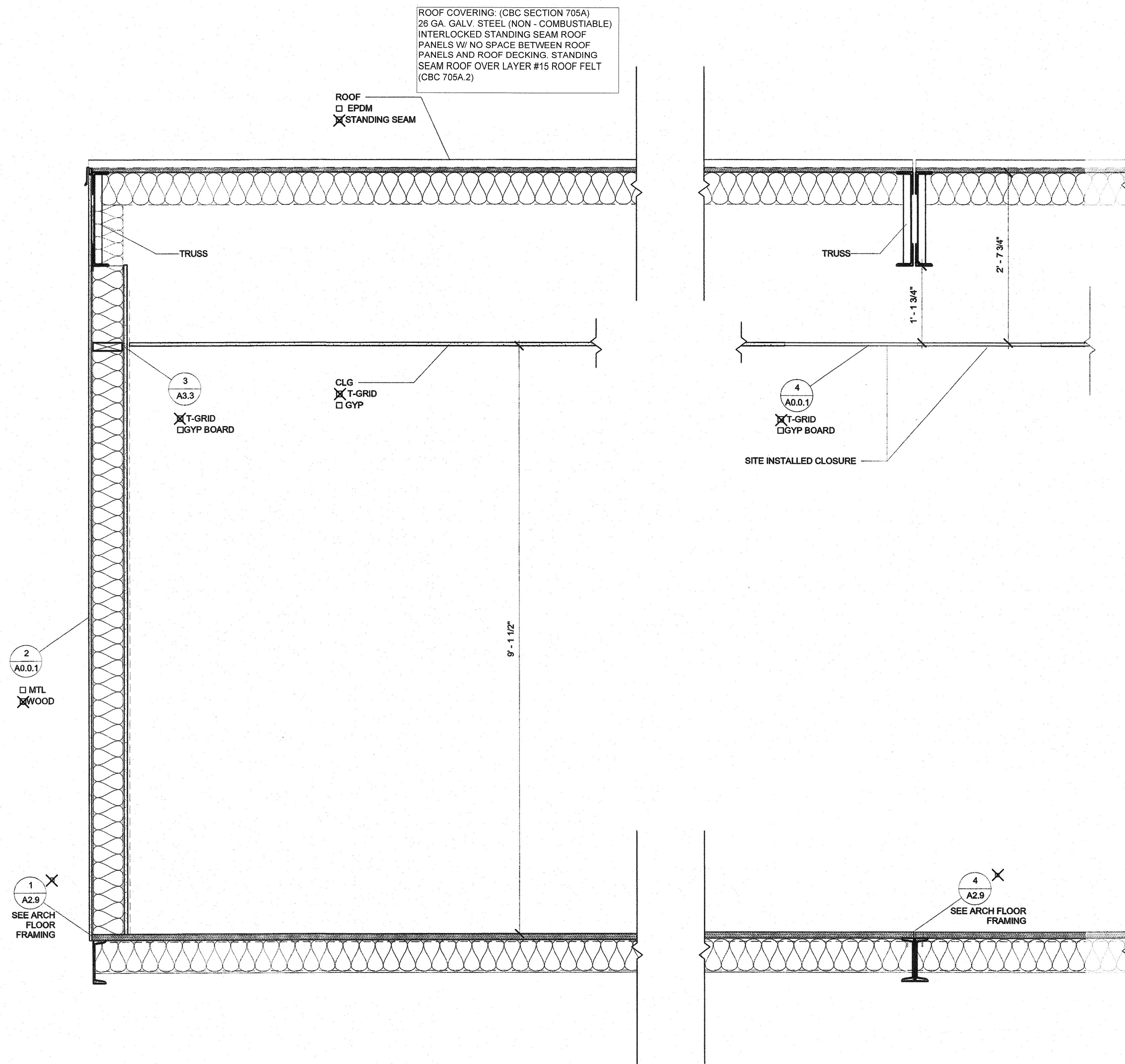
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JA/RT

DATE
2017/06/05

SHEET NO.
A6.0

SHEET 1 OF 1 SHEETS

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1 1" = 1'-0" Latitudinal Section

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 12/19/2017

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ORIGINAL PC STATE AGENCY APPROVAL
 FILE NUMBER: PC-128
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 DIVISION OF THE STATE ARCHITECT
 04 - 116504 INCR: 0
 AC, BM, FLS, EA, SSR, KER
 DATE 07/19/2018

PROJECT TITLE
 24' x 40'
 EXPANDABLE TO
 120' x 40'

PRE-CHECK (PC) DOCUMENT
 Code: [2016] CBC
 A separate project application for construction is required.

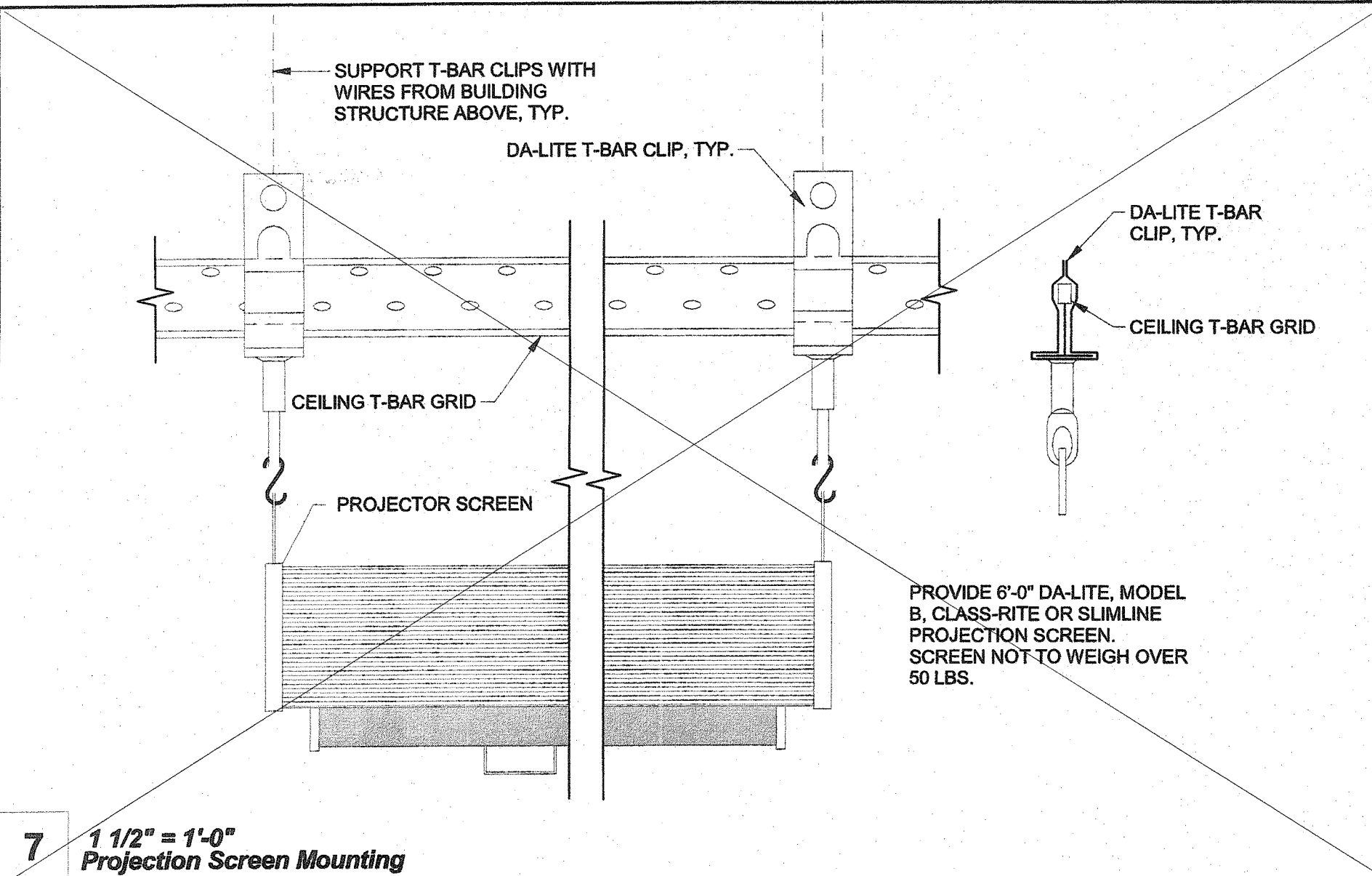
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 DIV. OF THE STATE ARCHITECT
 04 119184
 ACS, FLS, HB, SS
 DATE MAR 17 2018

Revision Schedule		
#	Description	Date

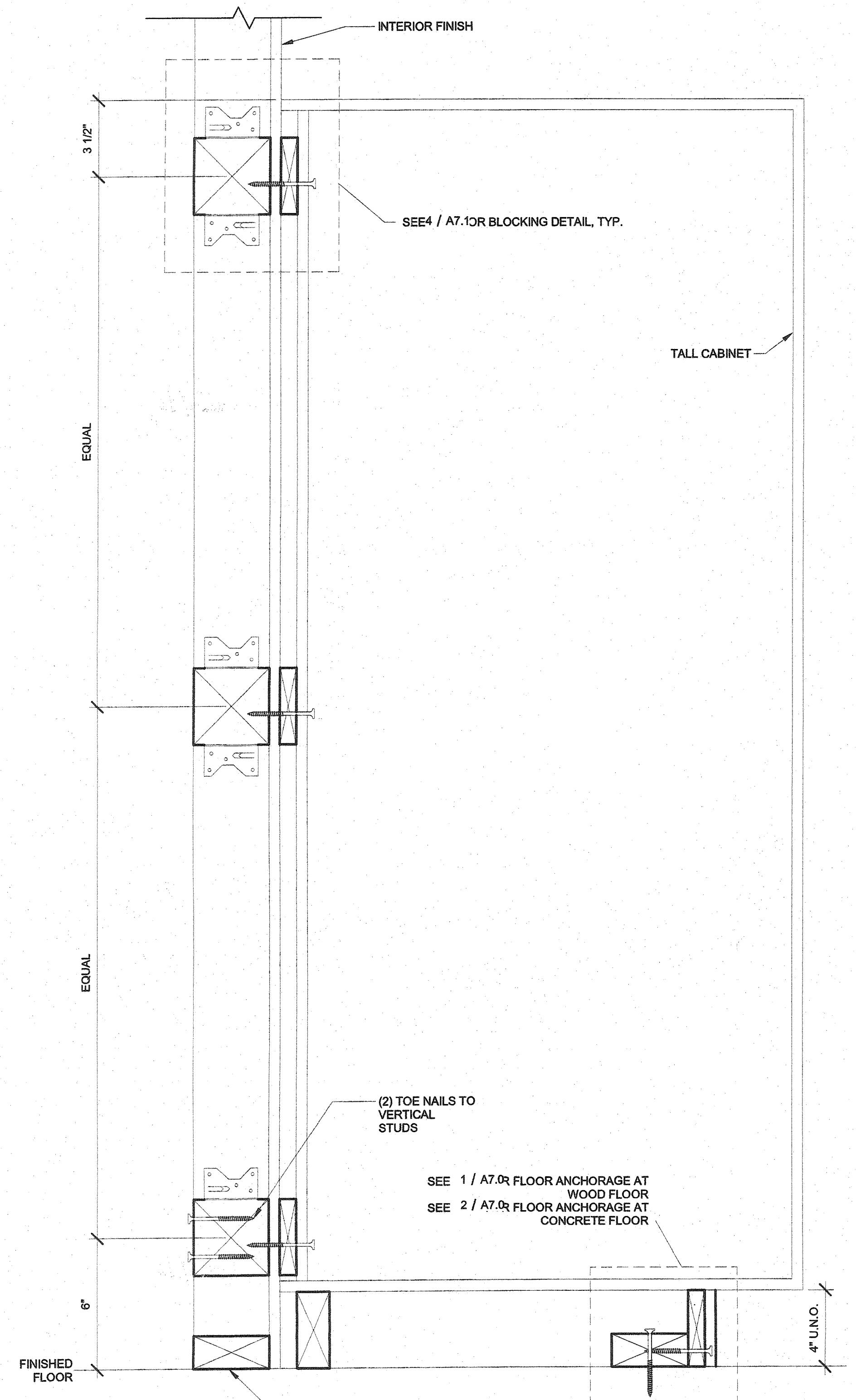
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 SECTION

PROJECT NUMBER
 17016A
 DRAWN BY
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 CHECKED BY
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 DATE
 2017/06/05
 SHEET NO.

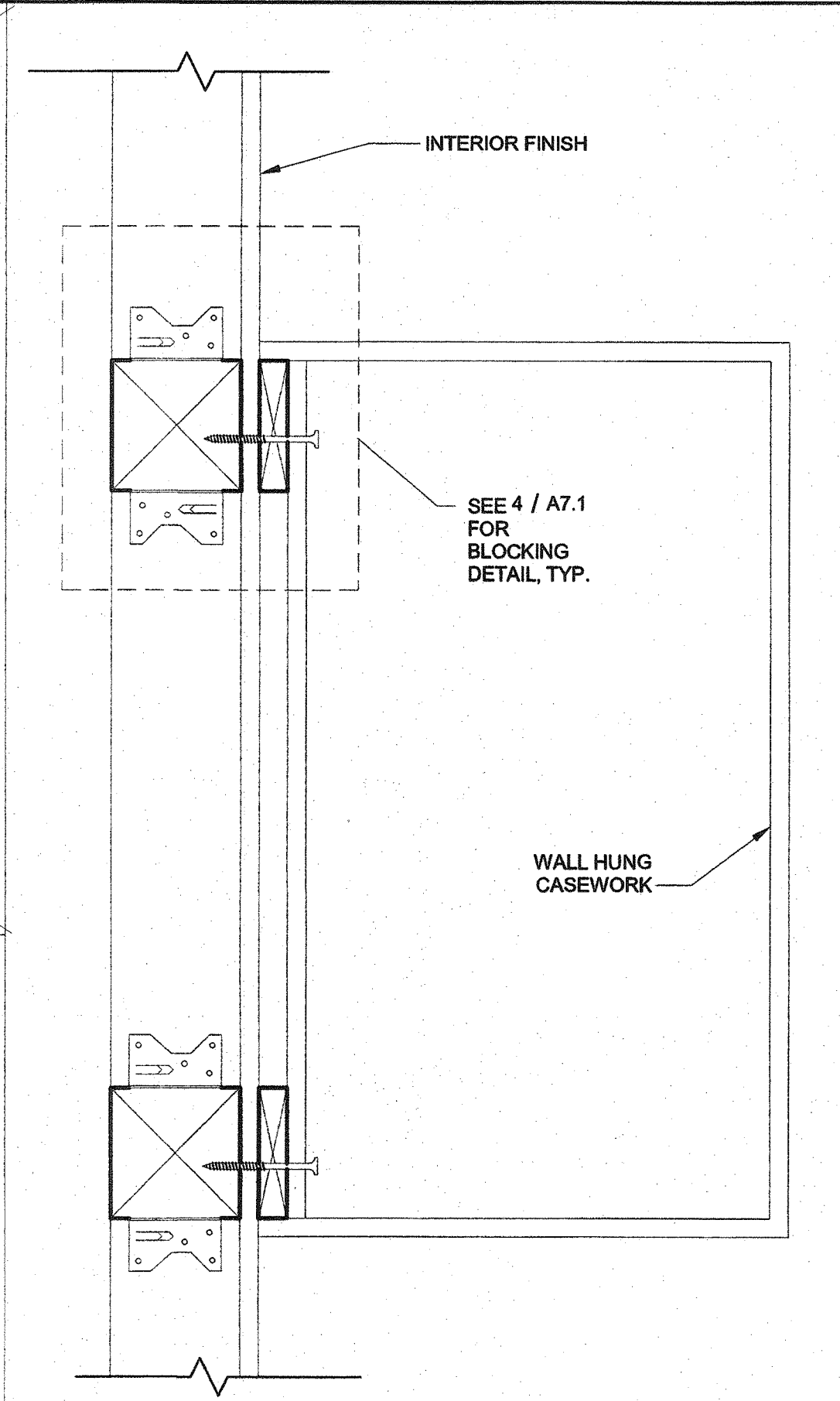
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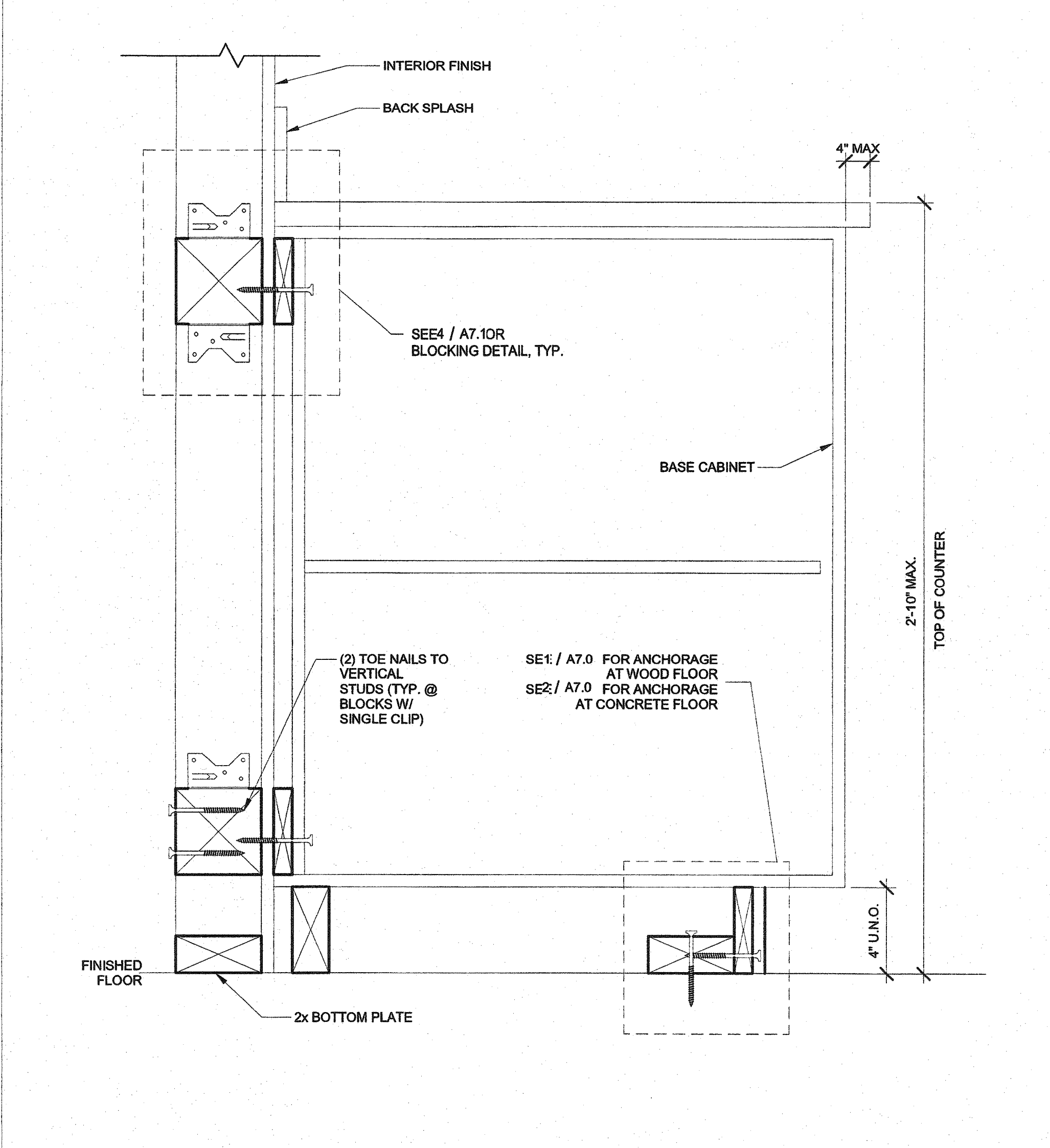
7 1 1/2" = 1'-0"
Projection Screen Mounting



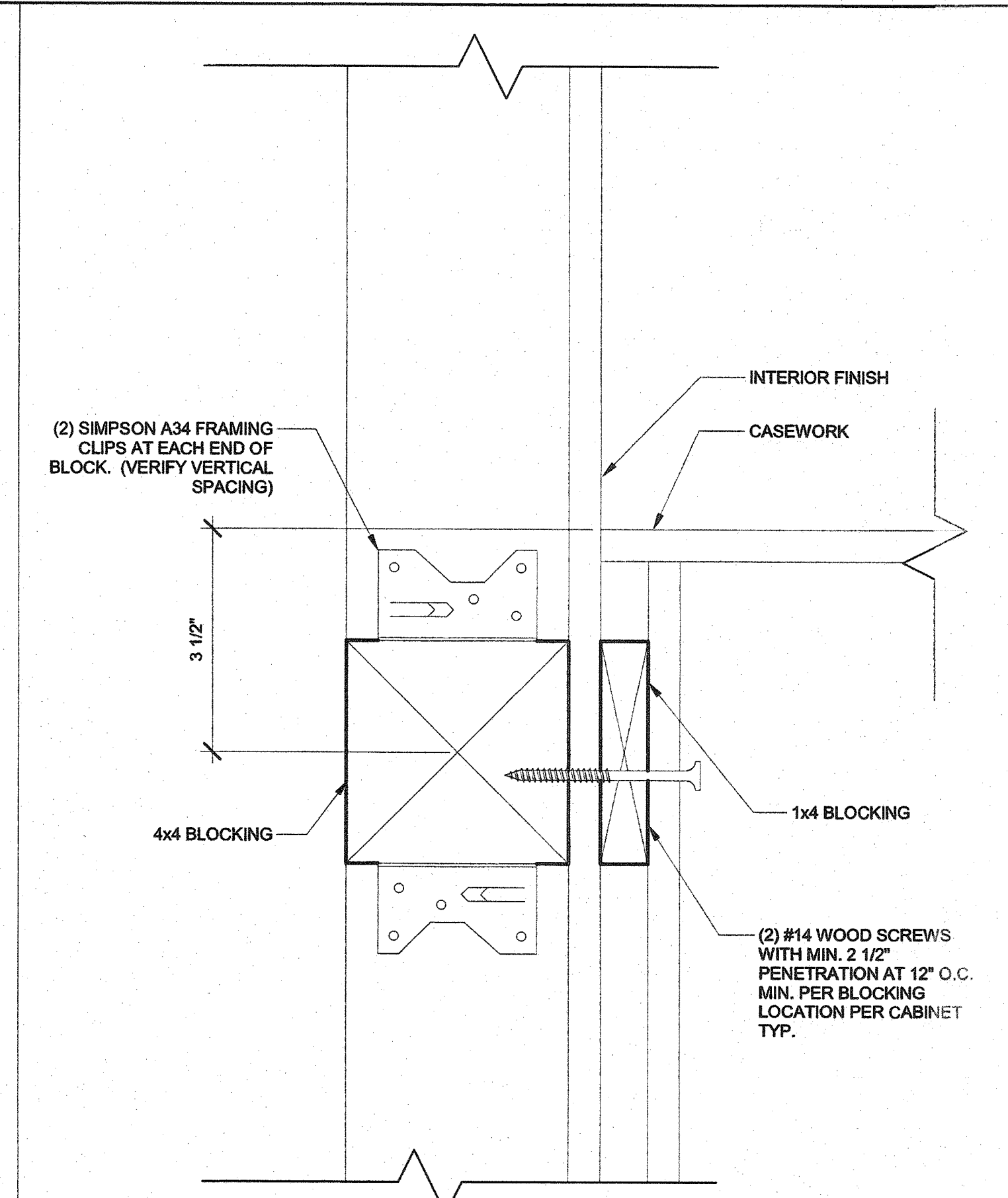
6 3" = 1'-0"
Tall Cabinet Wall Anchorage at Wood Stud



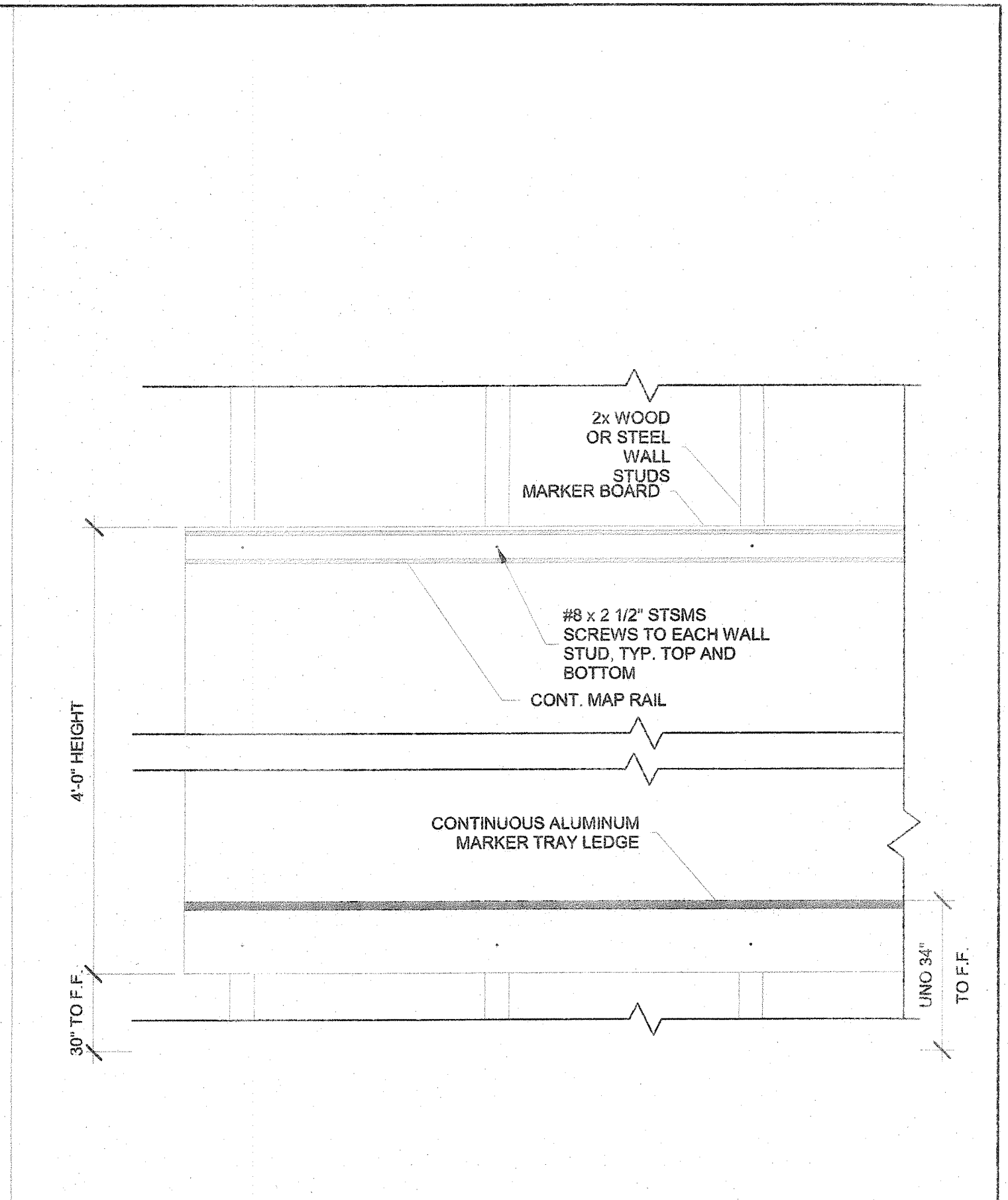
5 3" = 1'-0"
Wall Hung Anchorage Cabinet at Wood Stud



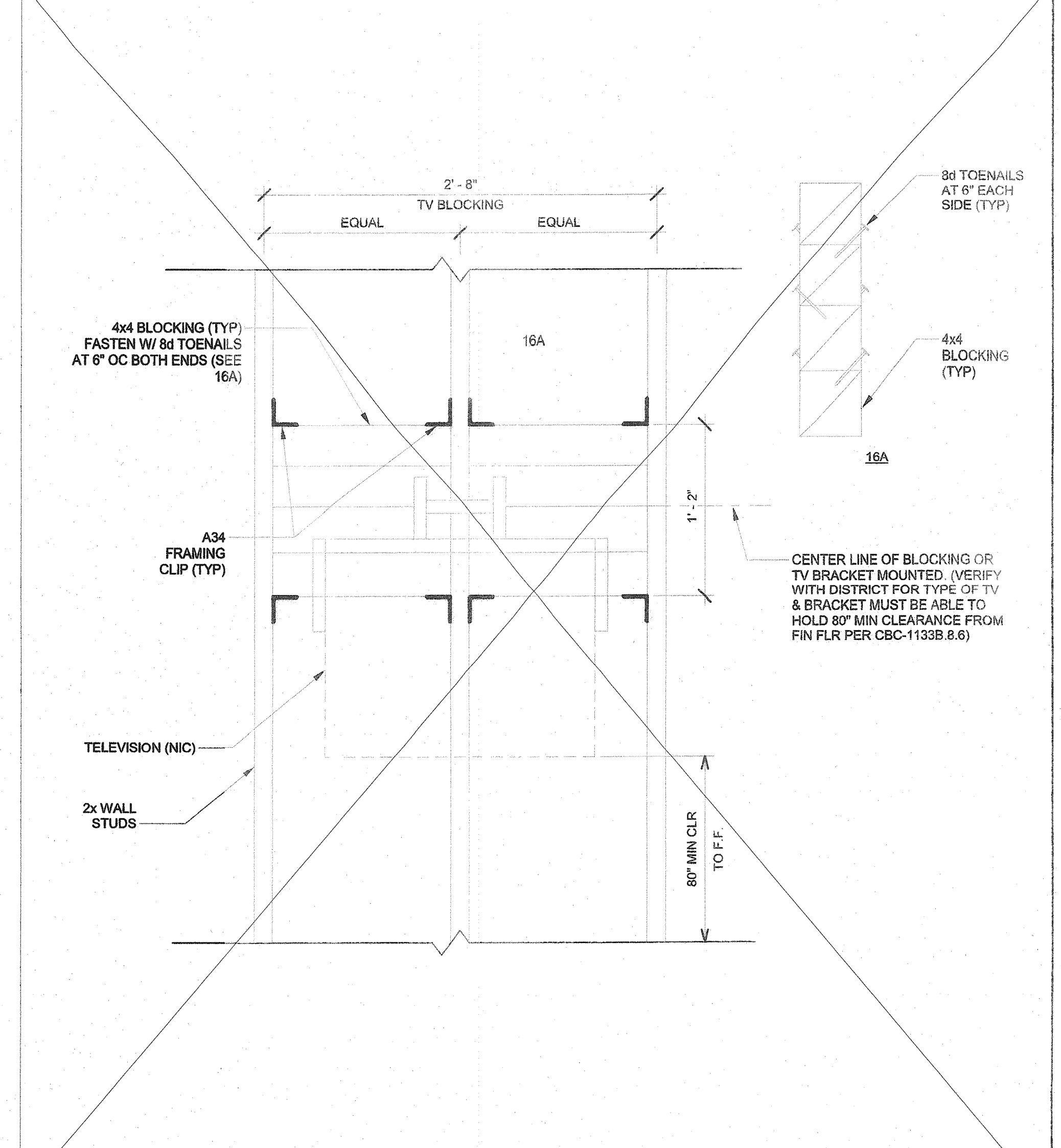
2 3" = 1'-0"
Base Cabinet Wall Anchorage at Wood Stud



4 6" = 1'-0"
Attachment to Blocking at Wood Stud



3 1 1/2" = 1'-0"
Marker Board Attachment



1 1 1/2" = 1'-0"
T.V. Blocking Attachment at Wood Stud

Revision Schedule

#	Description	Date

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ORIGINAL PC STATE AGENCY APPROVAL
 FILE NUMBER: PC-128
 IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 04 - 116504 INCR: 0
 AC, RM, FLS, EA, GSR, KER
 DATE: 07/19/2018

PROJECT TITLE
24' x 40' EXPANDABLE TO 120' x 40'
 PRE-CHECK (PC) DOCUMENT
 Code: [2016] CBC
 A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 04 119164
 ACS, RM, FLS, EA, SS
 DATE: MAR 1 2 2020

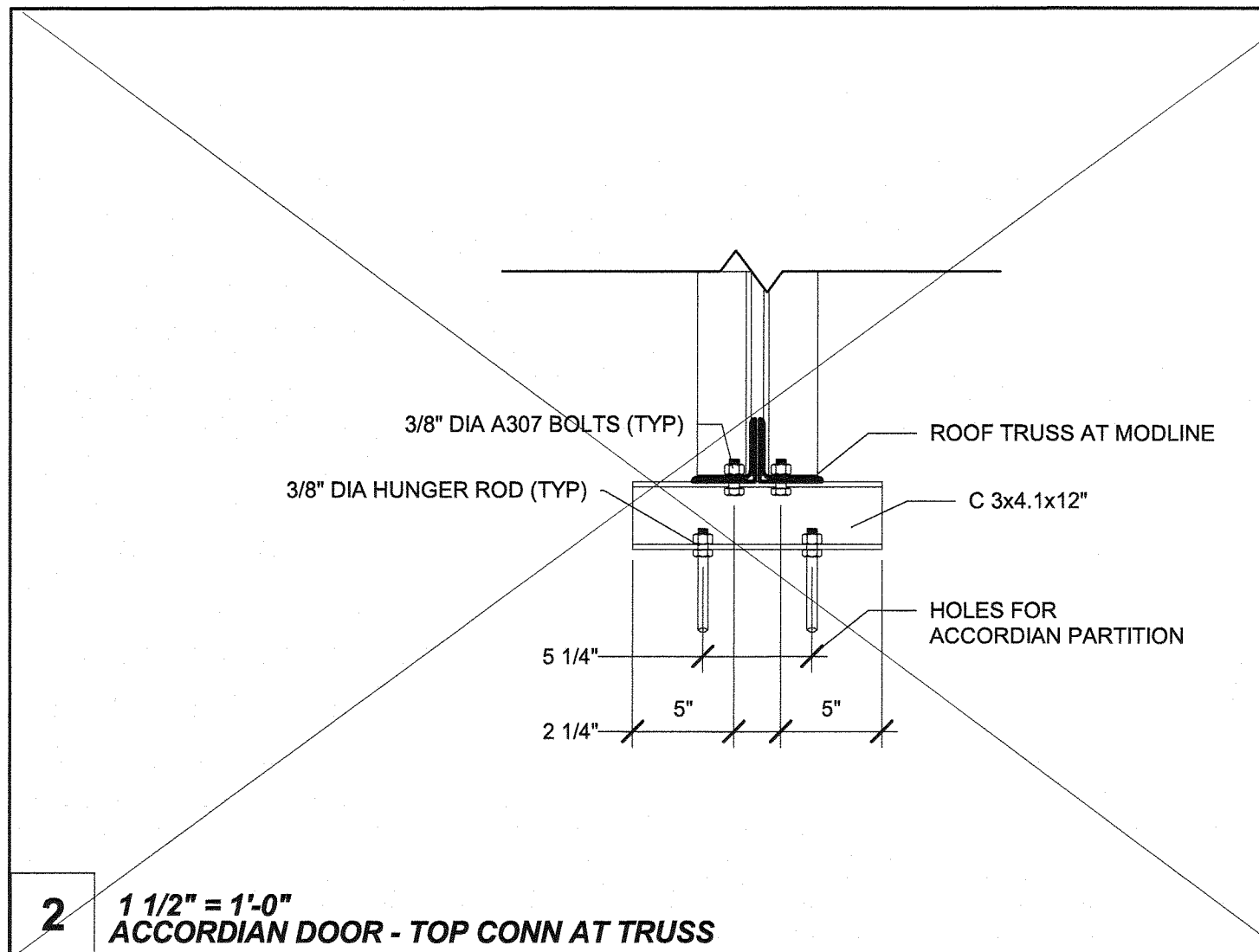
Revision Schedule

#	Description	Date

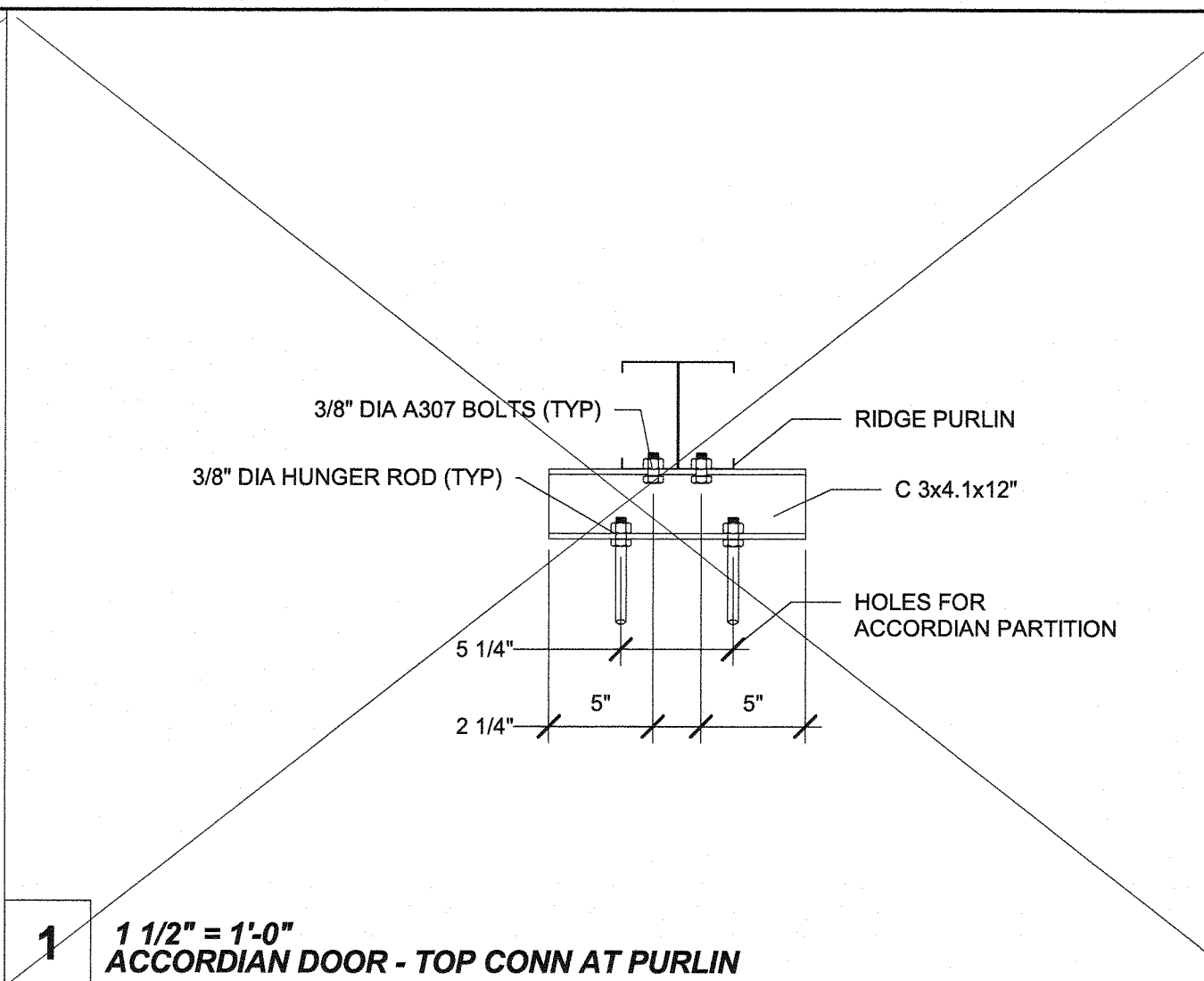
SHEET TITLE
ADDITIONAL OPTION DETAILS

PROJECT NUMBER
 17016A
 DRAWN BY
 rMc/SC
 CHECKED BY
 JA/RT
 DATE
 2017/06/05
 SHEET NO.

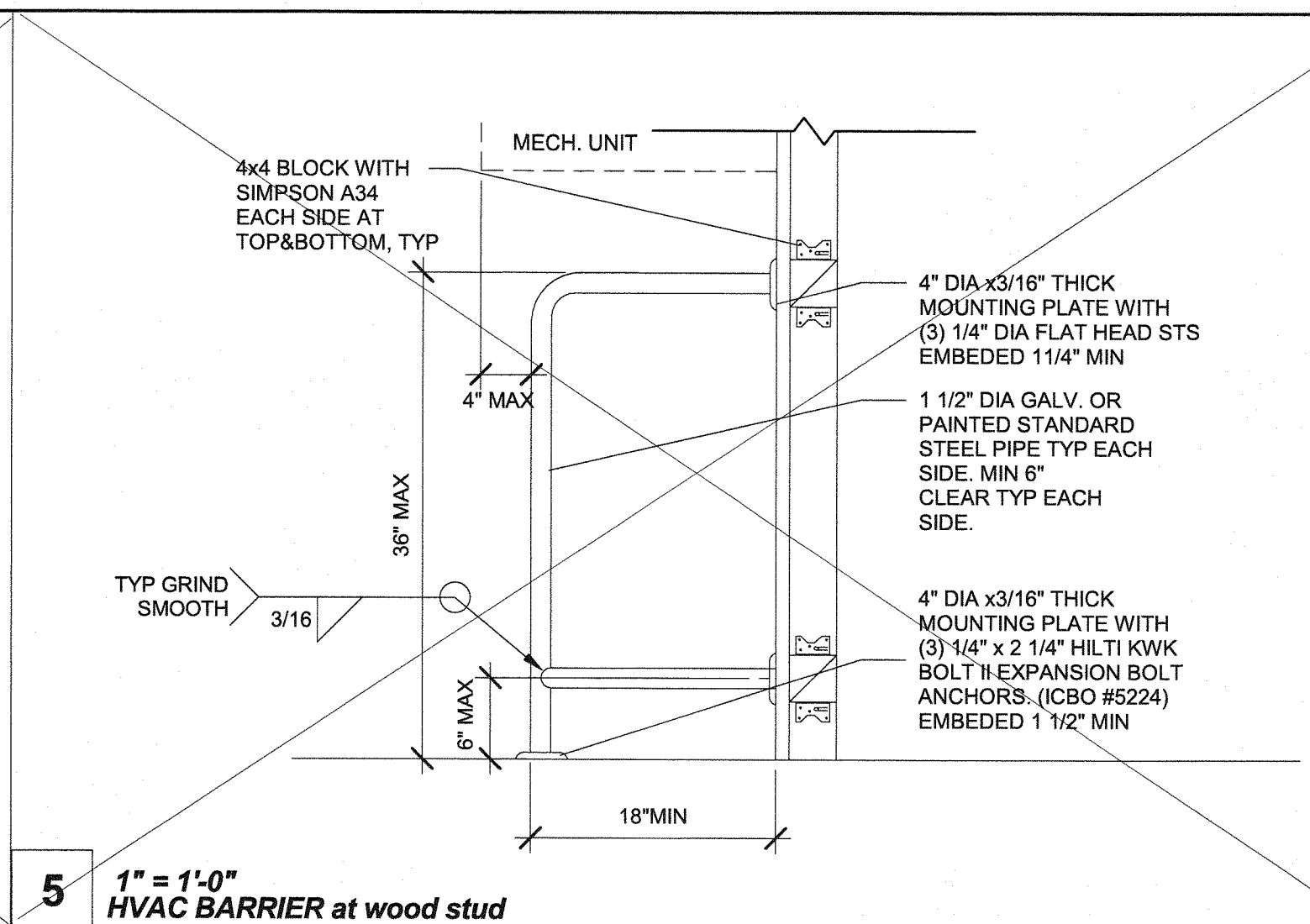
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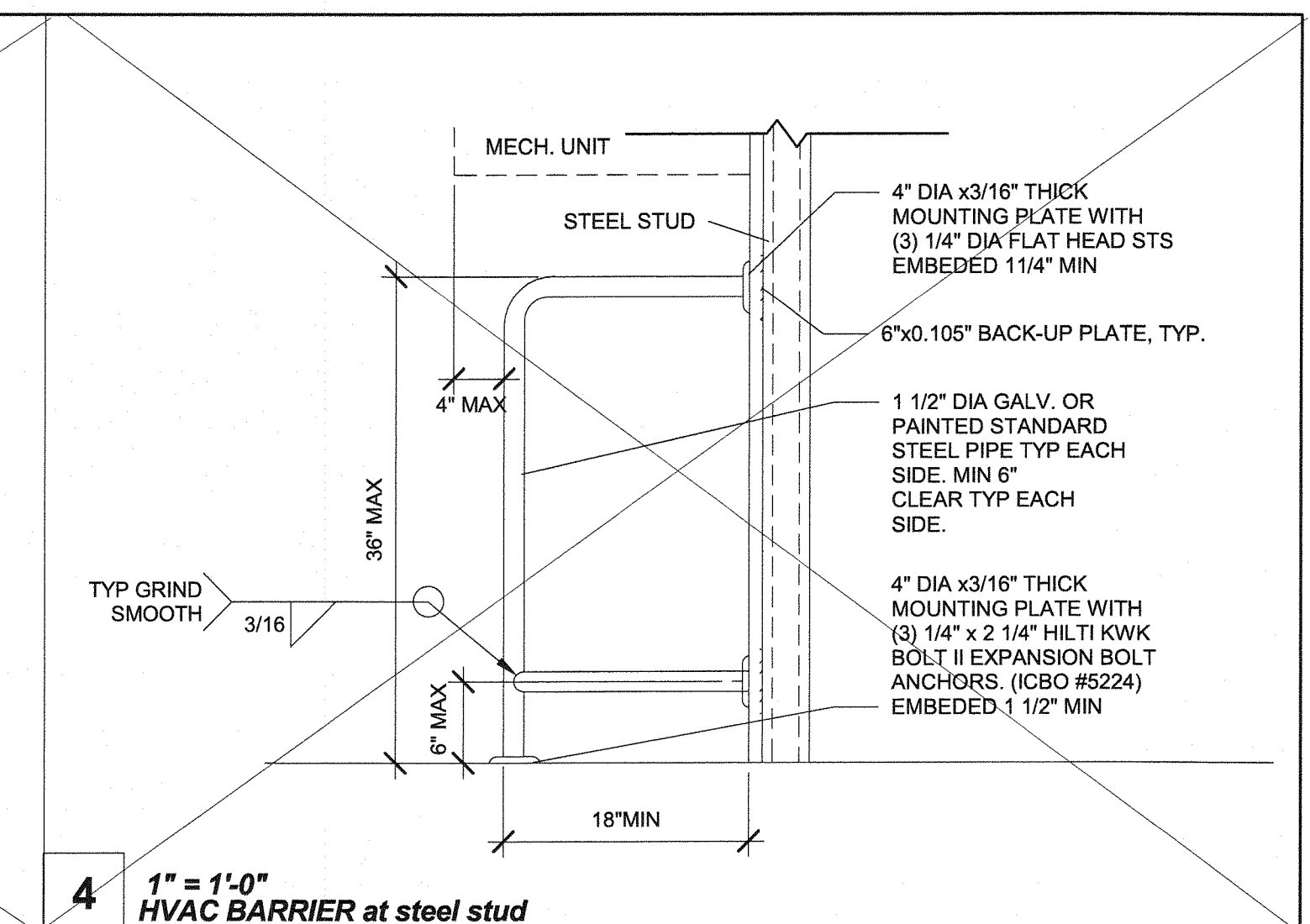
2 1 1/2" = 1'-0"
 ACCORDIAN DOOR - TOP CONN AT TRUSS



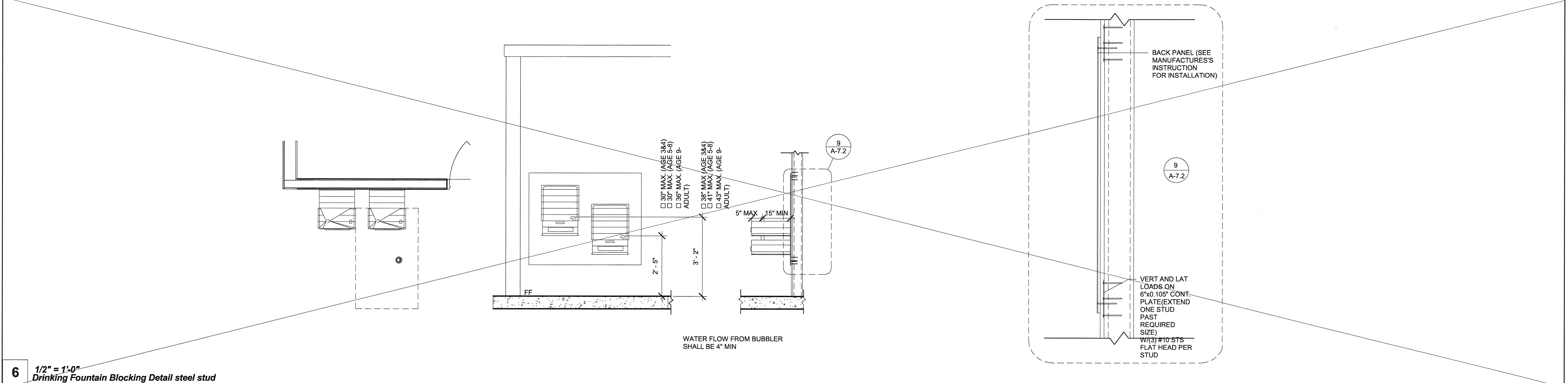
1 1 1/2" = 1'-0"
 ACCORDIAN DOOR - TOP CONN AT PURLIN



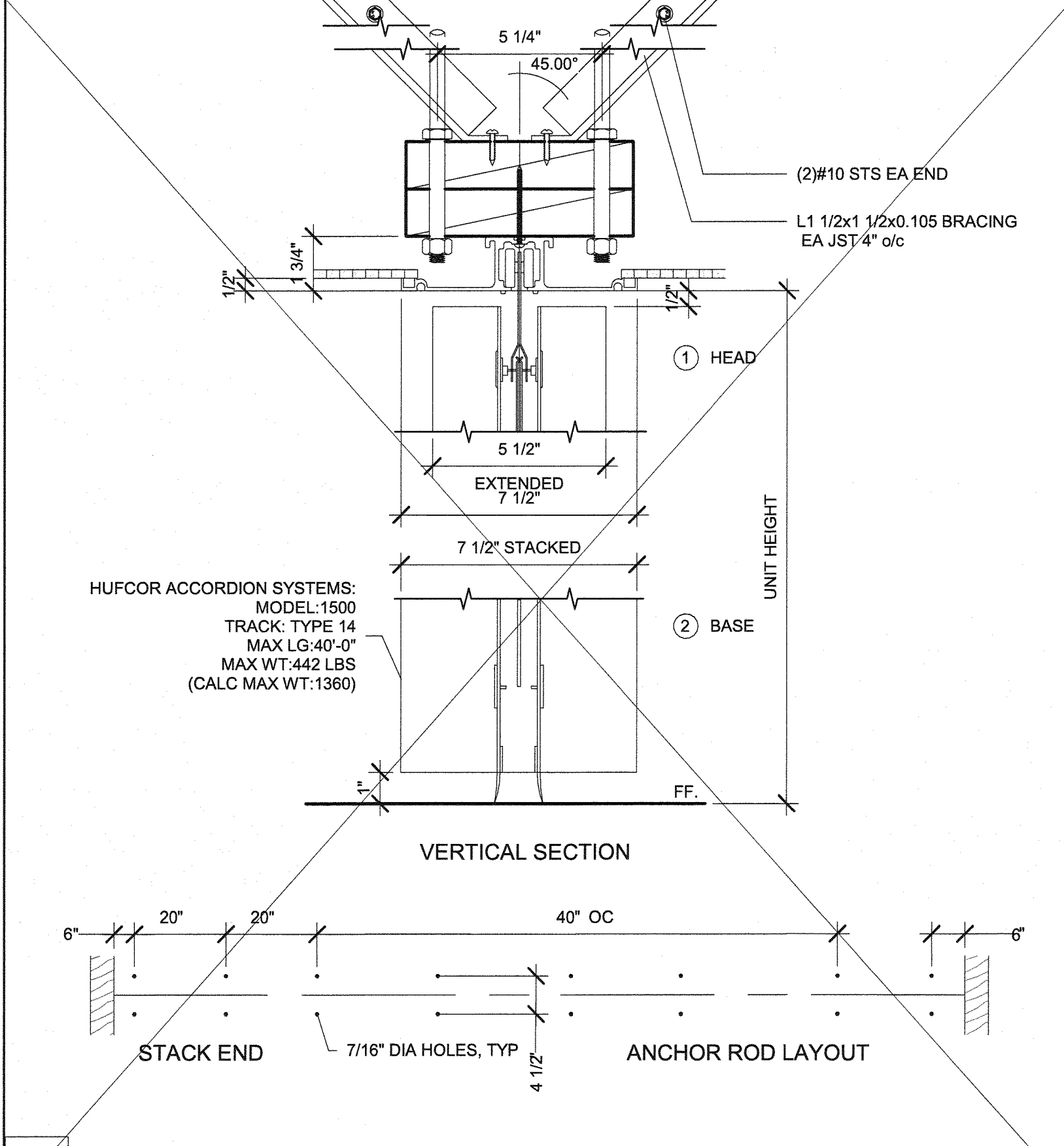
5 1" = 1'-0"
 HVAC BARRIER at wood stud



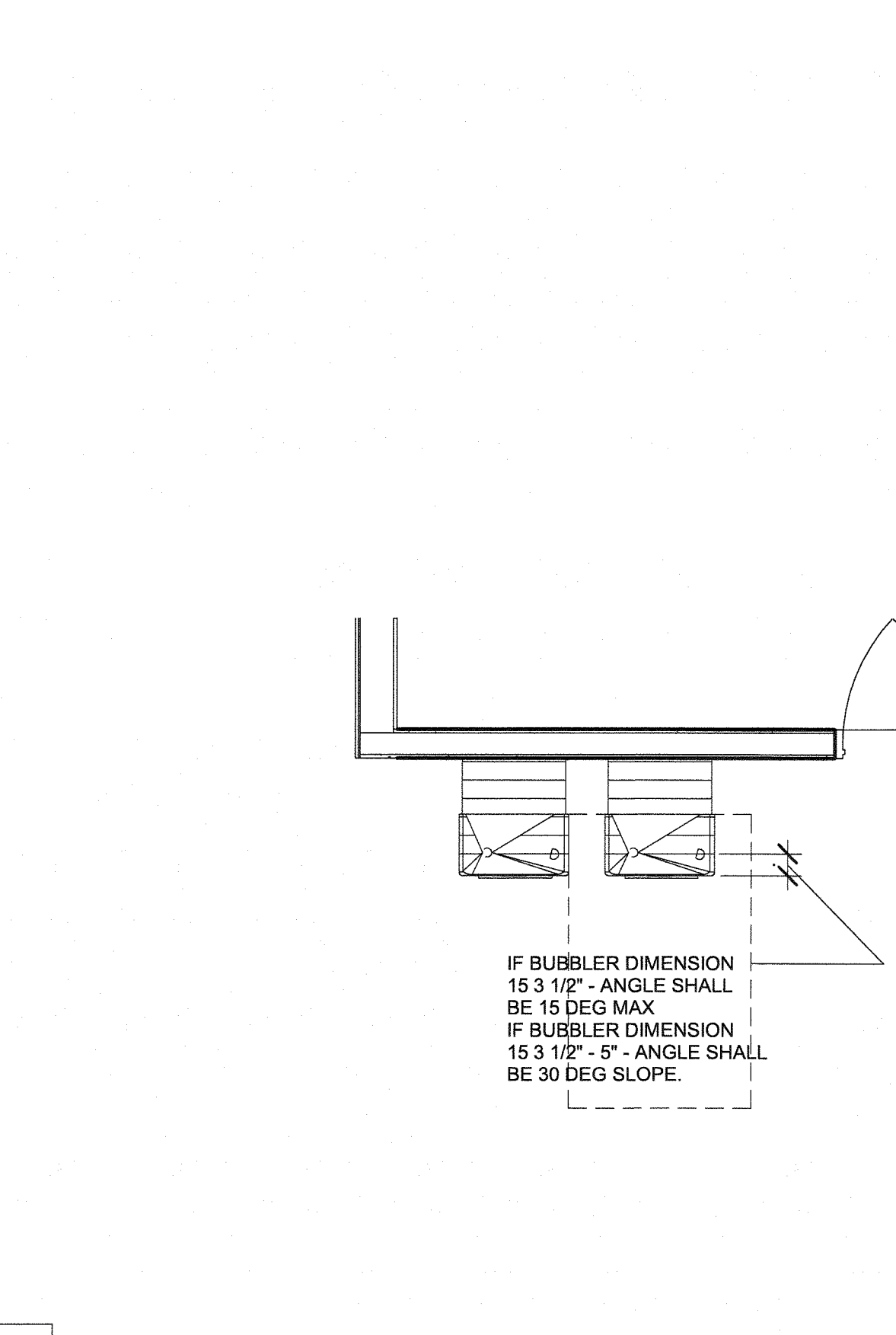
4 1" = 1'-0"
 HVAC BARRIER at steel stud



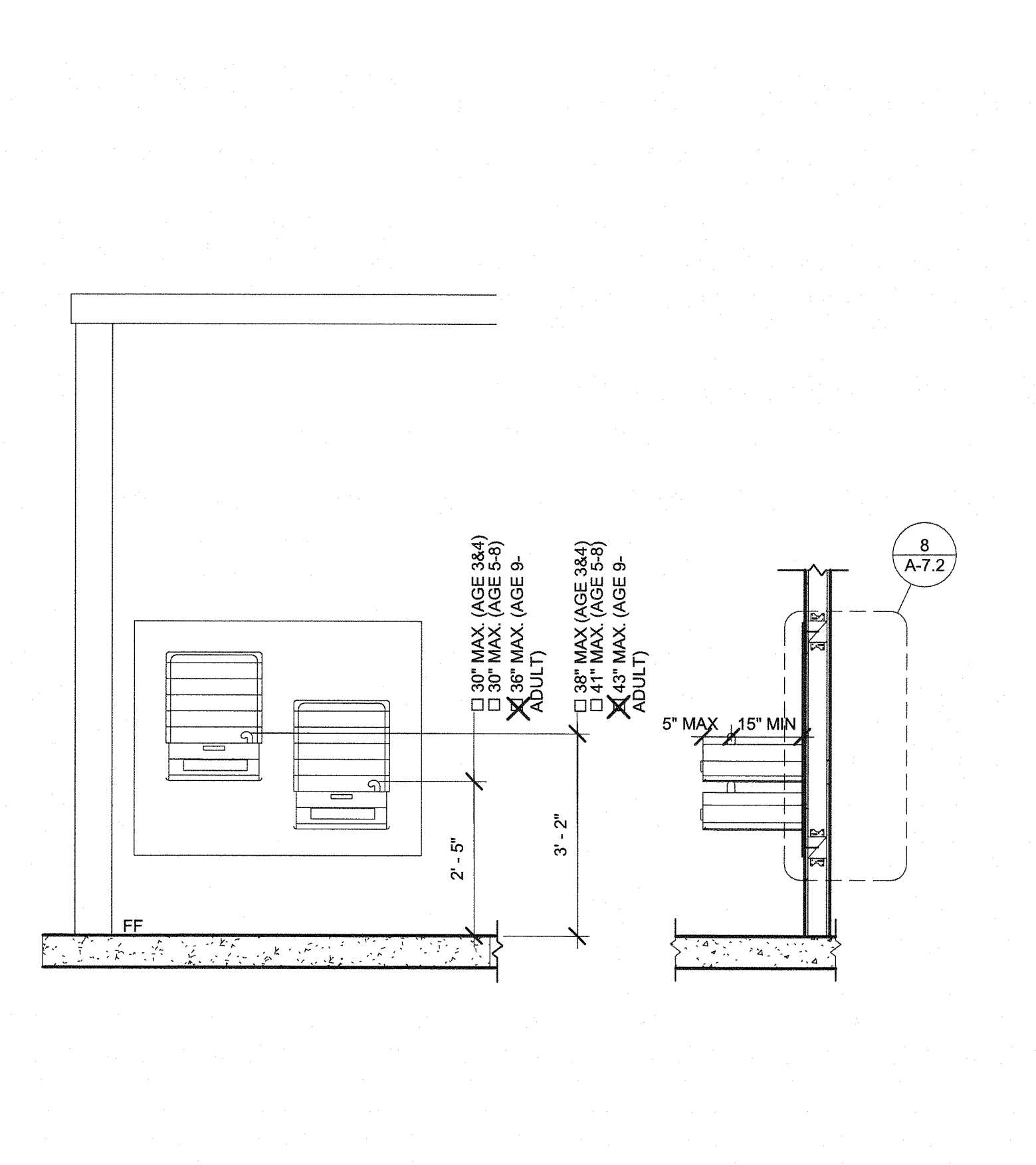
6 1/2" = 1'-0"
 Drinking Fountain Blocking Detail steel stud



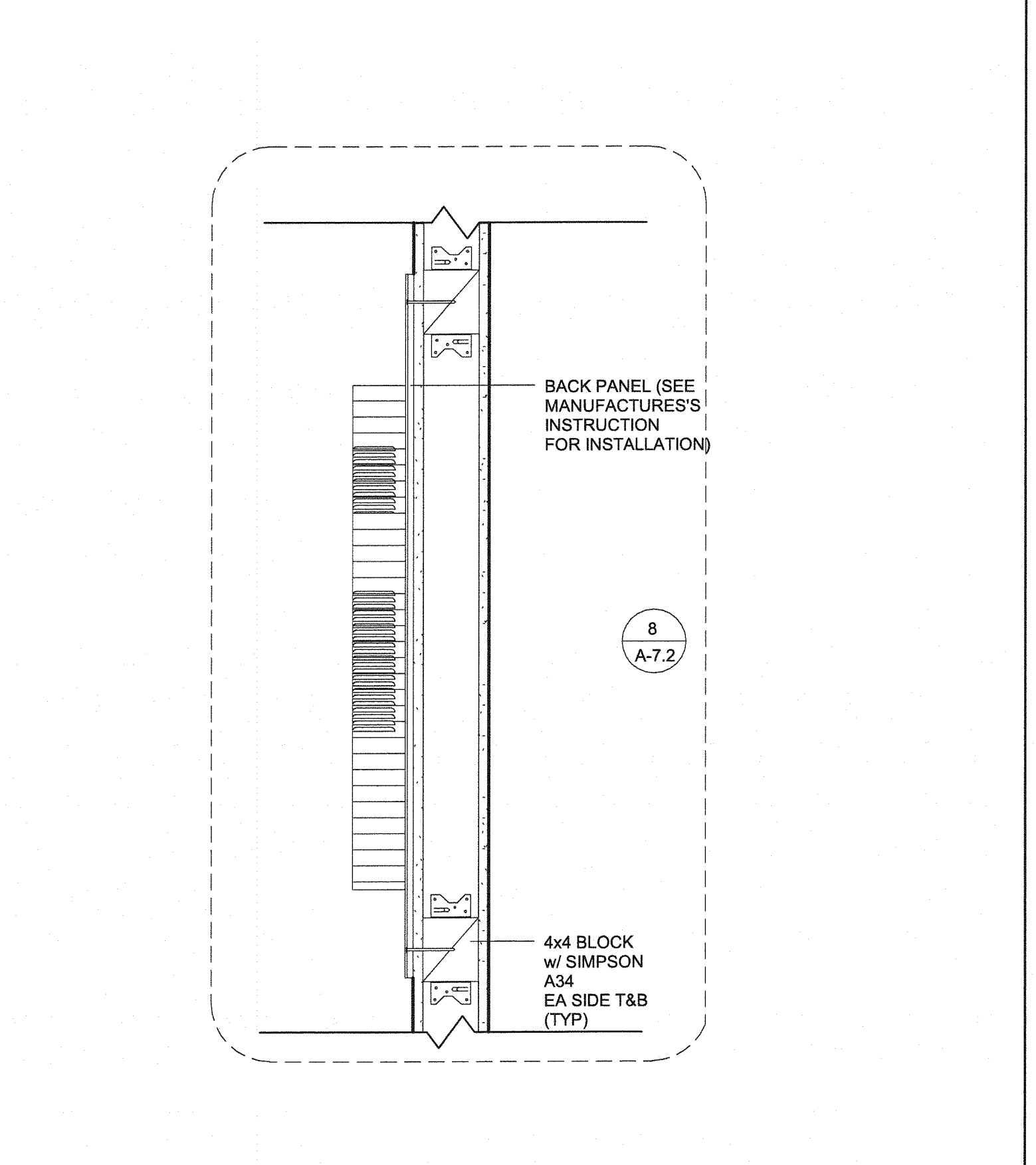
3 3" = 1'-0"
 ACCORDION PARTITION ATTACHMENT



7 1/2" = 1'-0"
 Drinking Fountain Blocking Detail wood stud

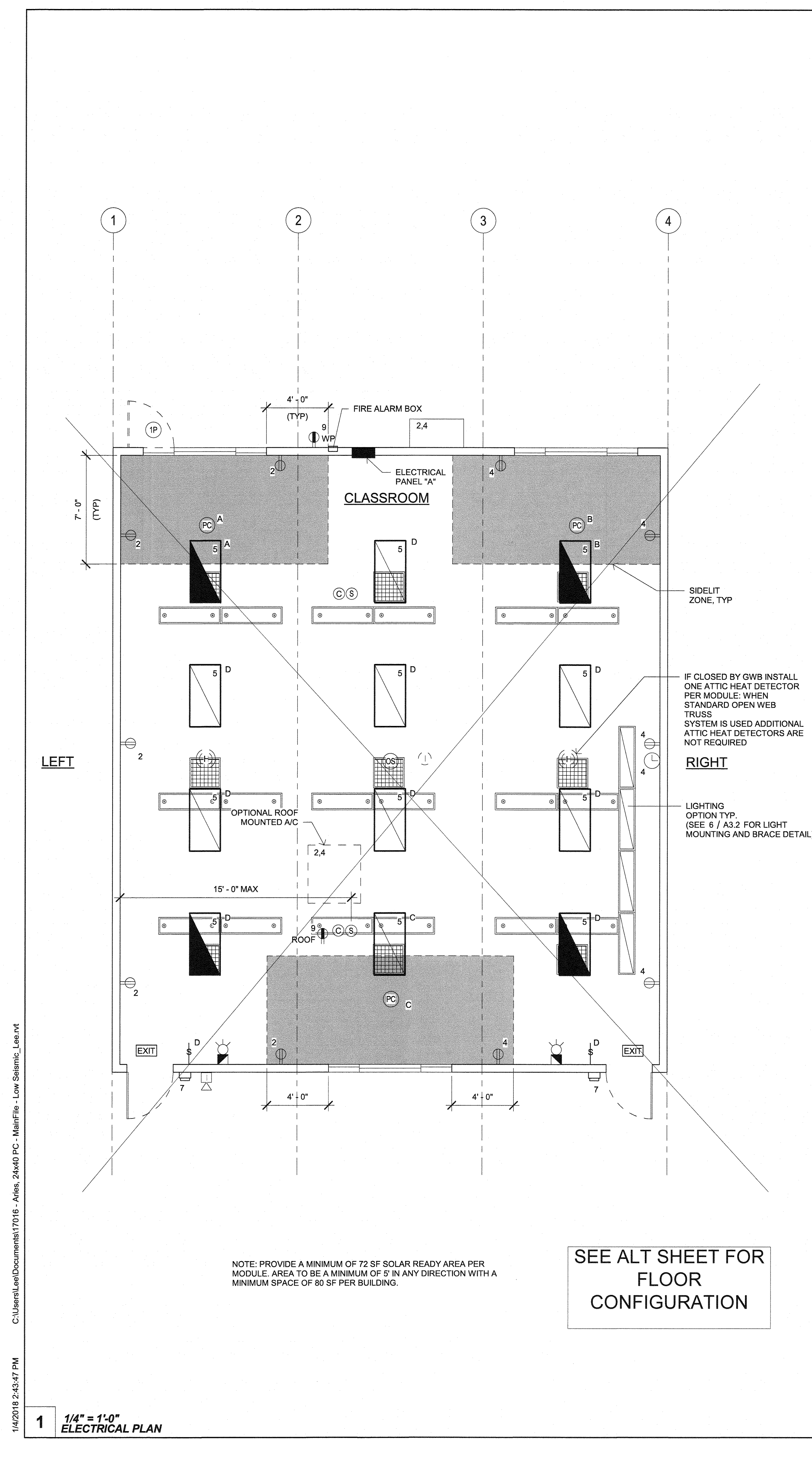


8 1/2" = 1'-0"
 Drinking Fountain Blocking Detail wood stud

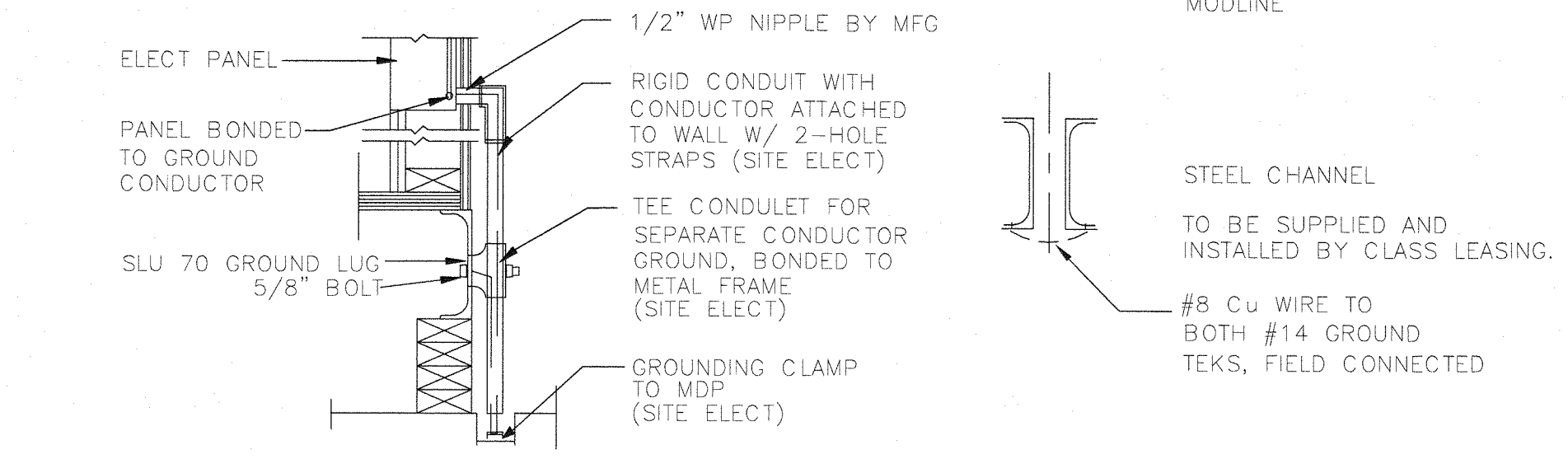


9 1/2" = 1'-0"
 Drinking Fountain Blocking Detail wood stud

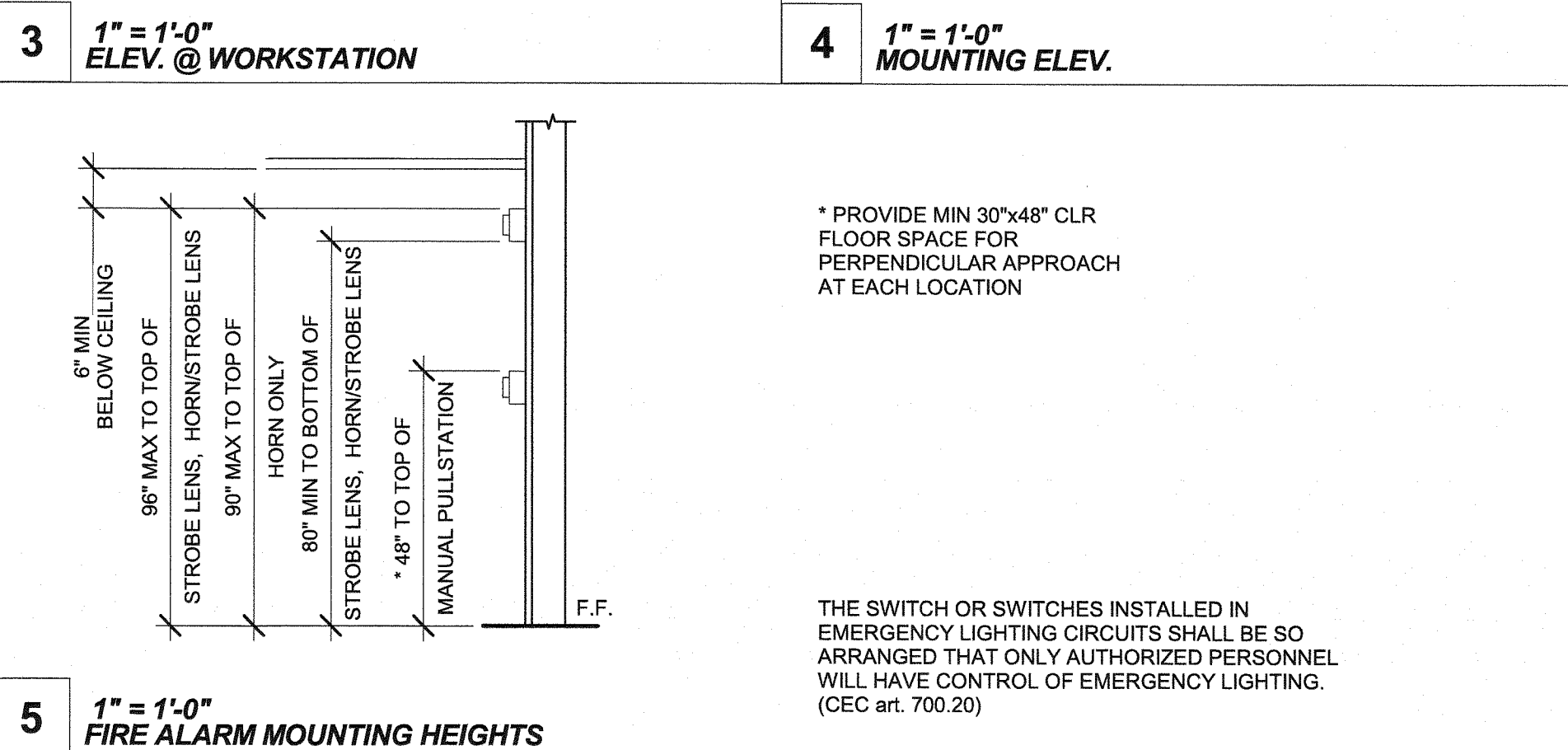
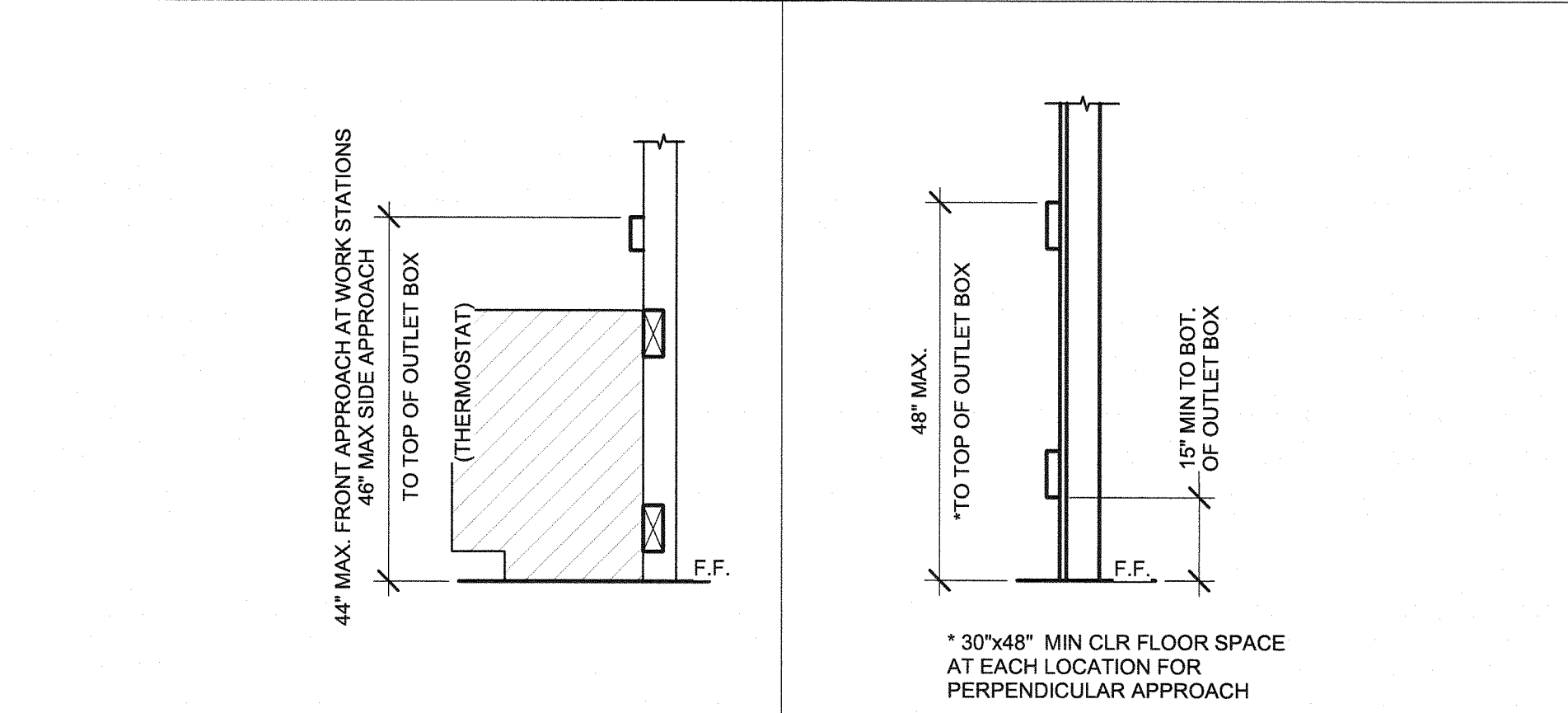
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SEE ALT SHEET FOR FLOOR CONFIGURATION



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



GENERAL GROUNDING NOTES

EACH BUILDING SHALL BE GROUND SEPARATELY WITH A 3/4" ROUND X 8 FEET COPPER/CLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS FOUND, DRIVE ROD AT 45 DEGREES MAXIMUM FROM THE VERTICAL OR HAVE IT BURIED IN A TRENCH 30" DEEP MINIMUM.

TESTING FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6 FEET, UNTIL RESISTANCE REDUCES TO 25 OHMS OR LESS. GROUND TEST MUST BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR AND ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250

EQUIPMENT ANCHORAGE

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 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

- 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.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL SYSTEM BRACING OF

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND 2013 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

FIRE ALARM NOTES

PROVIDE SPACE ON ELECTRICAL PANEL FOR LOCK-ON BREAKER, IDENTIFIED WITH RED MARKING, FOR 120 VOLTS FIRE ALARM CIRCUIT, WITH BREAKER LABELED AS FIRE ALARM CIRCUIT, CEC 760.41 (B). BREAKER AND CIRCUIT PROVIDED AND INSTALLED ON SITE BY OTHERS.

SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES TO BE PROVIDED AND INTERCONNECTED TO THE FIRE ALARM SYSTEMS ON SITE BY OTHERS

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

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

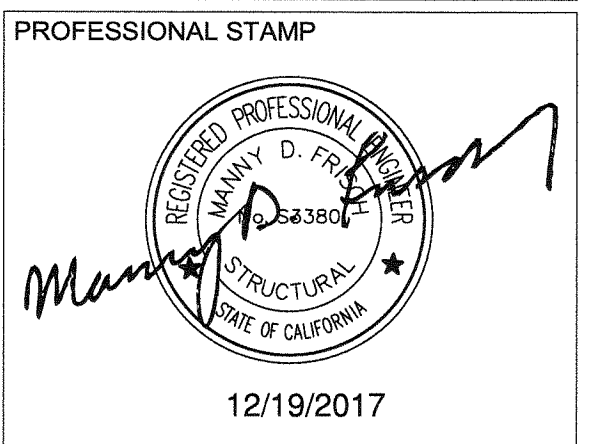
(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 75 DEG. C. COPPER)

WIRE SIZE	CAPACITY	WIRE TYPE	NO. OF CONDUCTOR			
			1/2" C	3/4" C	1" C	1 1/4" C
#12	20A	THHN	9	16	25	45
#10	30A	THHN	5	10	16	28
#8	45A	THHN	2	5	8	14
#6	65A	THHN	1	3	5	10
#4	85A	THHN	1	2	4	7

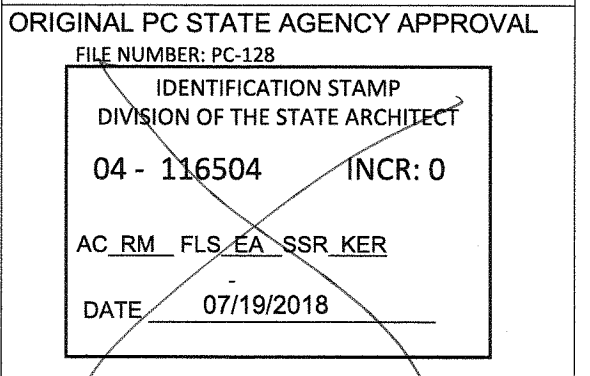
JUNCTION BOX SIZE TABLE

BOX	SIZE	CU. IN.	MAX NO. OF CONDUCTORS			
			#12	#10	#8	#6
4SS	1 1/4"x4" SQ	18.0	8	7	6	0
4S	1 1/2"x4" SQ	21.0	9	8	7	0
4SD	2 1/8"x4" SQ	30.3	13	12	10	6
4SX	2 7/8"x4" SQ	43.5	23	21	17	10
5SD	2 1/8"x4-11/16" SQ	42.0	18	16	14	6
5SX	3 7/8"x4-11/16" SQ	86.0	38	34	28	17
664	4"x6" SQ	144.0	64	57	48	28

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

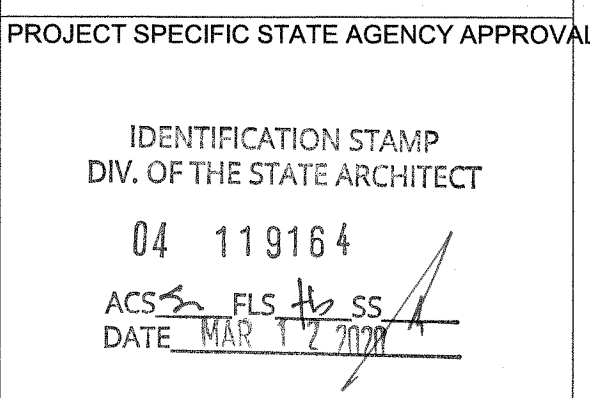


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PROJECT TITLE
24' x 40' EXPANDABLE TO 120' x 40'

PRE-CHECK (PC) DOCUMENT
Code: [2016] CBC
A separate project application for construction is required.



Revision Schedule

#	Description	Date

SHEET TITLE
ELECTRICAL PLAN 36x40

PROJECT NUMBER
17016A

DRAWN BY
rMc/SC

CHECKED BY
JAR/T

DATE
2017/06/05

SHEET NO.
E1.2

SHEET OF SHEETS

DESCRIPTION	120/208 VOLTS, 1 ϕ , 3 WIRE								MAIN LUGS ONLY				
	LOADCENTER / SURFACE MOUNTED				GRD & NEUTRAL BARS				AMP BUS				
	VOLTAMPS		10000 AIC		VOLTAMPS		VOLTAMPS		VOLTAMPS		VOLTAMPS		
	ϕ A	ϕ B	C/B	CKT	ϕ	CKT	C/B	ϕ A	ϕ B	DESCRIPTION			
AC WALL MOUNTED- 5 TON	7705		30	1	A	2	20	900		OUTLETS			
		7705	30	3	B	4	20		1080	OUTLETS			
GENERAL LIGHTING	1152		20	5	A	6	20	180		EXTERIOR GFI/WP			
EXTERIOR LIGHTING		80	20	7	B	8	20		180	ROOF GFI/WP			
DED SOLAR READY													
DED SOLAR READY													
SUBTOTAL	ϕ A 9145	ϕ B 7785						ϕ A 1080	ϕ B 1260	SUBTOTAL			
TOTAL	10225	9045						10225/120 VOLTS=81.21					
								81.21+ 1.7= 82.91					

SEE ALT SHEETS FOR
PANEL SCHEDULES

DESCRIPTION	120/208 VOLTS, 3 ϕ , 3 WIRE								MAIN LUGS ONLY				
	LOADCENTER / SURFACE MOUNTED				GRD & NEUTRAL BARS				AMP BUS				
	VOLTAMPS		10000 AIC		VOLTAMPS		VOLTAMPS		VOLTAMPS		VOLTAMPS		
	ϕ A	ϕ B	C/B	CKT	ϕ	CKT	C/B	ϕ A	ϕ B	DESCRIPTION			
AC ROOF MOUNTED- 5 TON	8280		30	1	A	2	20	900		OUTLETS			
		8280	30	3	B	4	20		1080	OUTLETS			
GENERAL LIGHTING	1152		20	5	A	6	20	180		EXTERIOR GFI/WP			
EXTERIOR LIGHTING		80	20	7	B	8	20		180	ROOF GFI/WP			
DED SOLAR READY													
DED SOLAR READY													
SUBTOTAL	ϕ A 9720	ϕ B 8360						ϕ A 1080	ϕ B 1260	SUBTOTAL			
TOTAL	10800	9620						10800/120 VOLTS=90					
								90 + 1.15= 91.15					

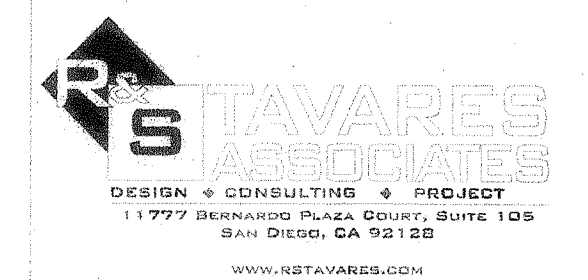
2 1" = 1'-0"
ELECTRICAL PANEL_WALL MOUNTED

3 1" = 1'-0"
ELECTRICAL PANEL_ROOF MOUNTED

LEGEND

- ELECTRICAL PANEL AT +60" AFF TO TOP OF ELECTRICAL PANEL WITH 1/2" DIA POWER STUB OUT
- ROOF MOUNTED HVAC UNIT-SEE MECHANICAL DWGS
- WALL MOUNTED HVAC UNIT. SEE MECHANICAL DWGS
- 100 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH
- 4SD J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE. HARD WIRE TO UNIT
- 4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS). MAXIMUM 35'-0" FROM ANY POINT IN ATTIC AND 60'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- 4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS). MAXIMUM 21'-0" FROM ANY POINT IN ROOM BUT NOT MORE THAN 15'-0" TO A PERPENDICULAR WALL AND 30'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- RECESSED 4SD J-BOX W/ COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULLSTRING
- 4SD J-BOX FOR EXTERIOR FIRE ALARM HORN (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULLSTRING
- 4SD J-BOX FOR FIRE ALARM STROBE (DEVICE BY OTHERS). BOTTOM OF LENS 80" MIN TOP OF LENS 96" MAX AFF WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULLSTRING
- 4SD J-BOX FOR FIRE ALARM PULLSTATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF CONTROL BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULLSTRING
- EXIT SIGN WITH BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS. CLASSROOMS WITH ONE EXTERIOR DOOR-OPTIONAL.
- CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE
- EXTERIOR LED LIGHT FIXTURE. 30w MAX WITH 90 MIN BACK UP BATTERY MOUNT AT +93" AFF
- ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE
- GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS
- EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24" AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)
- DUPLEX (WALL MOUNTED) RECEPTACLE 15A-125V-3 WIRE. MOUNT AT +15" AFF U.O.N. TO BOTTOM OF OUTLET BOX
- 3-WAY LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF SWITCH BOX
- LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF SWITCH BOX
- SINGLE BUTTON DIMMER SWITCH. AT +48" AFF. TO TOP OF SWITCH BOX. WATTSTOPPER #LMDM-101 OR EQUAL
- SINGLE SWITCH WALL OCCUPANCY SENSOR. WATTSTOPPER PW-100 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF AND USE FOR OPEN ROOM (OR RESTROOM) LESS THAN 100 SQ FT W/ (1) CIRCUIT.
- ULTRASONIC CEILING OCCUPANCY SENSOR. WATTSTOPPER W-800A OR EQUAL. SENSOR TO BE CONNECTED TO KEYPED LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/ PARTITIONS.
- CEILING MOUNTED PHOTOCELL. WATTSTOPPER #MMLS-500 OR EQUAL
- CEILING MOUNTED OCCUPANCY SENSOR. WATTSTOPPER #LMPC-100 OR EQUAL
- CARBON MONOXIDE PER CBC SECTION 915
- 2x4 CEILING LIGHT WITH (3) T-8 LAMPS. LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ORACLE LIGHTING MODEL: 24-OT-3-32-T8-A12-L41K-C4 WATTAGE: 96W (3 LAMPS/32W/T8) OR EQUAL
- 2x4 CEILING LIGHT WITH (3) T-8 LAMPS. LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ORACLE LIGHTING MODEL: 24-OT-3-32-T8-EMG-T8-BX-600-A12-L41K-C4 WATTAGE: 96W (3 LAMPS/32W/T8) OR EQUAL EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE. THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES. ANY LIGHT FIXTURE EQUIPPED WITH A BATTERY PACK SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE. ADDITIONALLY THE BATTERY PACK SHALL BE OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.

NOTE: SEE 4/A3.2 FOR PHOTOMETRIC DATA



PROFESSIONAL STAMP

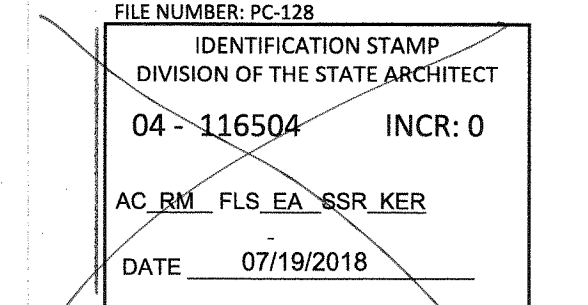


12/19/2017

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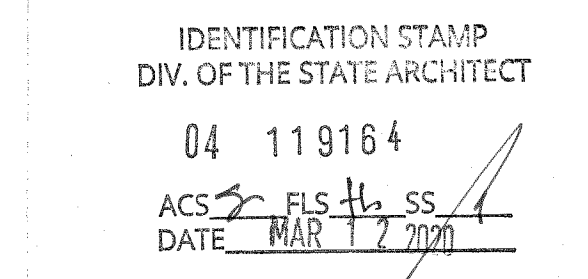
ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE
24' x 40'
EXPANDABLE TO
120' x 40'

PRE-CHECK (PC) DOCUMENT
Code: [2016] CBC
A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule
Description Date

SHEET TITLE
ELECTRICAL
SCHEDULE 36x40

PROJECT NUMBER
17016A

DRAWN BY
rMc/SC

CHECKED BY
JA/RT

DATE
2017/06/05

SHEET NO.
E1.3

STATE OF CALIFORNIA
Electrical Power Distribution
 CEC-NRCC-ELC-01-E (Revised 01/16)

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 NRCC-ELC-01-E

Project Name: 120'x40' (PC 04-116504) Date Prepared: 04/24/2018 Page of

General Information

Project Address: NA Climate Zone: 16 Conditioned Floor Area: 4800 Unconditioned Floor Area:

Building Type: Nonresidential High-Rise Residential Hotel/Motel

Schools Relocatable Public Schools Conditioned Spaces Unconditioned Spaces

Phase of Construction: New Construction Addition Alteration

In the table below identify all applicable construction documents that specify the requirements for the scope of responsibility reported by this certificate. Use additional pages as needed to list all construction documents related to compliance of Section 130.5.

Document Number	Document Title/Descriptions (include description information for Table or Schedule if it contains compliance information)	Document Sheet # or Page #	Indicate which subsection of Section 130.5 is related to the document (e.g. 130.5(a) for service electrical metering)
Add Row Remove Last			

A. Service Electrical Metering

Check one of the three boxes below if the electrical power distribution system is in compliance with Section 130.5(a).

For newly installed electrical service in newly constructed buildings, Service Electrical Metering is required according to Section 130.5(a). Fill out Column 1 through 6 of table below.

For new or replacement electrical service equipment in existing buildings, Service Electrical Metering is required according to Section 141.0(b)(2)(i). Fill out Column 1 through 6 of table below.

EXCEPTION to Electrical Service Metering: Service or feeder for which the utility company provides a metering system that indicates instantaneous kW demand and kWh for a utility-defined period. Fill out Column 1, 2 and 6 of table below with the compliance information. Fill out a separate line for each electrical service that is connected to the building.

Electrical Service Schedule	Electrical	Metering Capabilities (check all that are present)				Exception to	Field Inspector
01	02	03	04	05	06	07	08
Electrical Service Designation/Location/Description	kVA	Instantaneous (at the time) kW	Historical peak (kW)	Tracking kWh for a user-definable period	kWh per rate period	Utility metering system	Check that the metering complies
IT WILL VARY DEPENDING ON CLIENT'S SITE PROJECT - RELOCATABLE PUBLIC SCHOOL	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Add Row Remove Last							

STATE OF CALIFORNIA
Electrical Power Distribution
 CEC-NRCC-ELC-01-E (Revised 01/16)

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 NRCC-ELC-01-E

Project Name: 120'x40' (PC 04-116504) Date Prepared: 04/24/2018 Page of

B. Separation of Electrical Circuits for Electrical Energy Monitoring

Check all boxes below if the electrical power distribution system is in compliance with Section 130.5(b).

The electrical power distribution system meets the separation of electrical circuits for electrical energy monitoring requirement of Section 130.5(b). The electrical power distribution system is designed so that measurement devices can monitor the electrical energy usage of load types according to TABLE 130.5-B.

Describe the electrical power distribution system installed and the compliance method chosen in meeting the requirement of Section 130.5(b). Use the space below to include the information. Examples of compliance methods are detailed in Nonresidential Compliance Manual Chapter 8.

Fill out Column 1 thru 3 with the compliance information.

General Information	Electrical Power Distribution System Information and Method of Compliance	Electrical Service Rating	Enforcement Agency
01	02	03	04
Electrical Service Designation/Location/Description	Describe the electrical power distribution system installed and the compliance method used	kVA	Check that the system complies
IT WILL VARY DEPENDING ON CLIENT'S SITE PROJECT - RELOCATABLE PUBLIC SCHOOL	NA	0	<input type="checkbox"/>

Field Inspector Notes:

STATE OF CALIFORNIA
Electrical Power Distribution
 CEC-NRCC-ELC-01-E (Revised 01/16)

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 NRCC-ELC-01-E

Project Name: 120'x40' (PC 04-116504) Date Prepared: 04/24/2018 Page of

C. Voltage Drop

Check all boxes below if the electrical power distribution system is in compliance with Section 130.5(c).

The electrical power distribution system meets the voltage drop requirement of Section 130.5(c). The maximum combined voltage drop on feeder conductors and branch circuit conductors to the farthest connected load or outlet, do not exceed 5%.

Voltage drop calculation documents showing compliance to Section 130.5(c) are submitted as part of the compliance document submittal.

Enforcement Agency
 Check that the system complies

D. Circuit Controls for 120-Volt Receptacles and Controlled Receptacles

Check one or more boxes below for applicable requirements of Section 130.5(d) for the electrical power distribution system.

The control is capable of automatically shutting OFF the controlled receptacles when the space is typically unoccupied, either at the receptacle or circuit level. For the automatic time switch control, it incorporates an override control that allows the controlled receptacle to remain ON for no more than 2 hours when an override is initiated and an automatic holiday "shut-OFF" feature that turns OFF all loads for at least 24 hours and then resumes the normally scheduled operation. Countdown timer switches are not to be used to comply with the automatic time switch control requirements. The controls meet the requirement of Section 130.5(d)(1).

There is at least one controlled receptacle within 6 ft from each uncontrolled receptacle. Where receptacles are installed in modular furniture in open office area, at least one controlled receptacle is installed at each workstation. The receptacles meet the requirement of Section 130.5(d)(2).

There are installed split wired receptacles with at least one controlled and one uncontrolled receptacle. Where receptacles are installed in modular furniture in open office area, at least one controlled receptacle is installed at each workstation. The receptacles meet the requirement of Section 130.5(d)(2).

Permanent and durable marking for controlled receptacles or circuits to differentiate them from uncontrolled receptacles or circuits is provided. The markings meet the requirement of Section 130.5(d)(3).

For hotel and motel guest rooms, there are controlled receptacles for at least one-half of the 120-volt receptacles in each guest room. Electric circuits serving controlled receptacles in guestrooms are installed to have captive key controls, occupancy sensing controls, or automatic controls so the power is switched off no longer than 30 minutes after the guest room has been vacated. The receptacles meet the requirement of Section 130.5(d)(4).

Receptacles that are only for the following purposes are exempted from Section 130.5(d):

- Receptacles specifically for refrigerators and water dispensers in kitchen areas.
- Receptacles located a minimum of six ft above the floor that are specifically for clocks.
- Receptacles for network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms.
- Receptacles on circuits rated more than 20 amperes.
- Receptacles connected to an uninterruptible power supply (UPS) that are intended to be in continuous use, 24 hours per day/365 days per year, and are marked to differentiate them from other uncontrolled receptacles or circuits.

Field Inspector
 Check that the system complies

STATE OF CALIFORNIA
Electrical Power Distribution
 CEC-NRCC-ELC-01-E (Revised 01/16)

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 NRCC-ELC-01-E

Project Name: 120'x40' (PC 04-116504) Date Prepared: 04/24/2018 Page of

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name: RALPH M. TAVARES Documentation Author Signature: *Ralph M. Tavares*

Company: R&S TAVARES ASSOCIATES, INC. Signature Date: 04/24/2018

Address: 11777 BERNARDO PLAZA CT. SUITE 105 CEA/HERS Certification Identification (if applicable):

City/State/Zip: SAN DIEGO, CA 92128 Phone: 858-444-3344 EXT 1801

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

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

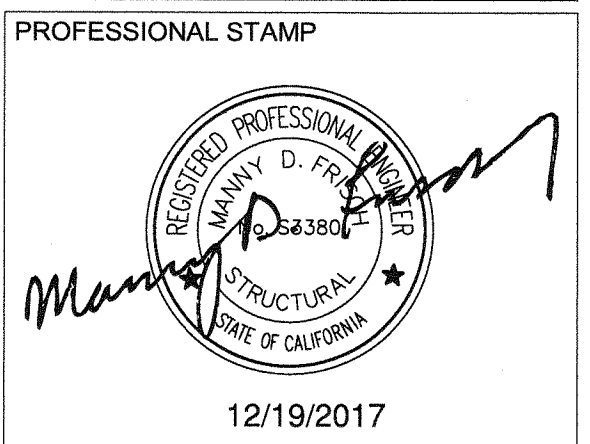
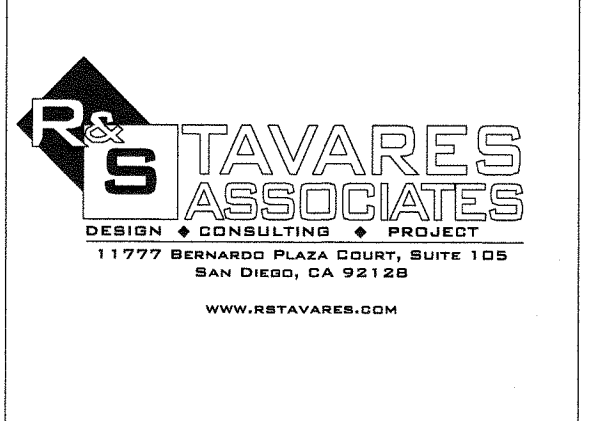
Responsible Designer Name: MANNY D. FRISCH Responsible Designer Signature: *Manny D. Frisch*

Company: R&S TAVARES ASSOCIATES, INC. Date Signed: 04/24/2018

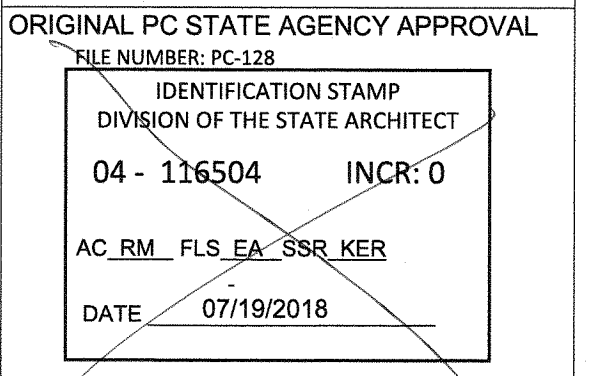
Address: 11777 BERNARDO PLAZA CT. SUITE 105 License: S3380

City/State/Zip: SAN DIEGO, CA 92128 Phone: 858 444 3344 EXT 1810

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016

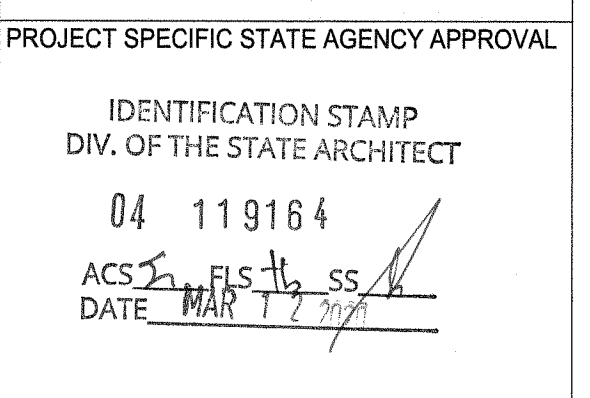


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PROJECT TITLE
 24' x 40'
 EXPANDABLE TO
 120' x 40'

PRE-CHECK (PC) DOCUMENT
 Code: [2016] CBC
 A separate project application for construction is required.



Revision Schedule

#	Description	Date

SHEET TITLE
 120'x40' T24 CZ 16
 (WALL AC)

PROJECT NUMBER
 17016A

DRAWN BY
 rMc/SC

CHECKED BY
 JA/RT

DATE
 2018/04/25

SHEET NO.
E2.3

SHEET OF SHEETS

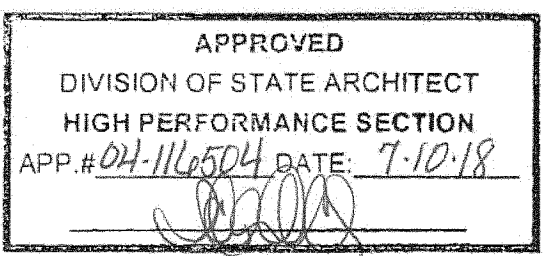


ABB.	DESCRIPTION	SYMBOL
WM	WALL MOUNTED UNIT (SEE SCHEDULE THIS SHEET)	WM-1
RM	ROOF MOUNTED UNIT (SEE SCHEDULE THIS SHEET)	RM-1
P.O.C	POINT OF CONNECTION	P.O.C
CO2	CARBON MONOXIDE SENSOR	CO2
BT	BYPASS TIMER	BT
STAT	THERMOSTAT	T
UC	UNDERCUT DOOR	UC
MVD	MANUAL VOLUME DAMPER	
FD	FIRE DAMPER	
VTR	VENT THRU ROOF	
ER	EXHAUST CEILING REGISTER	
CR	RETURN CEILING REGISTER	
CD	SUPPLY CEILING DIFFUSER	
(L)	LINED DUCTWORK	
EAD	EXHAUST AIR DUCT	
RAD	RETURN AIR DUCT	
SAD	SUPPLY AIR DUCT	
EF	EXHAUST FAN	EF

EQUIPMENT ANCHORAGE

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 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 29 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

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

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

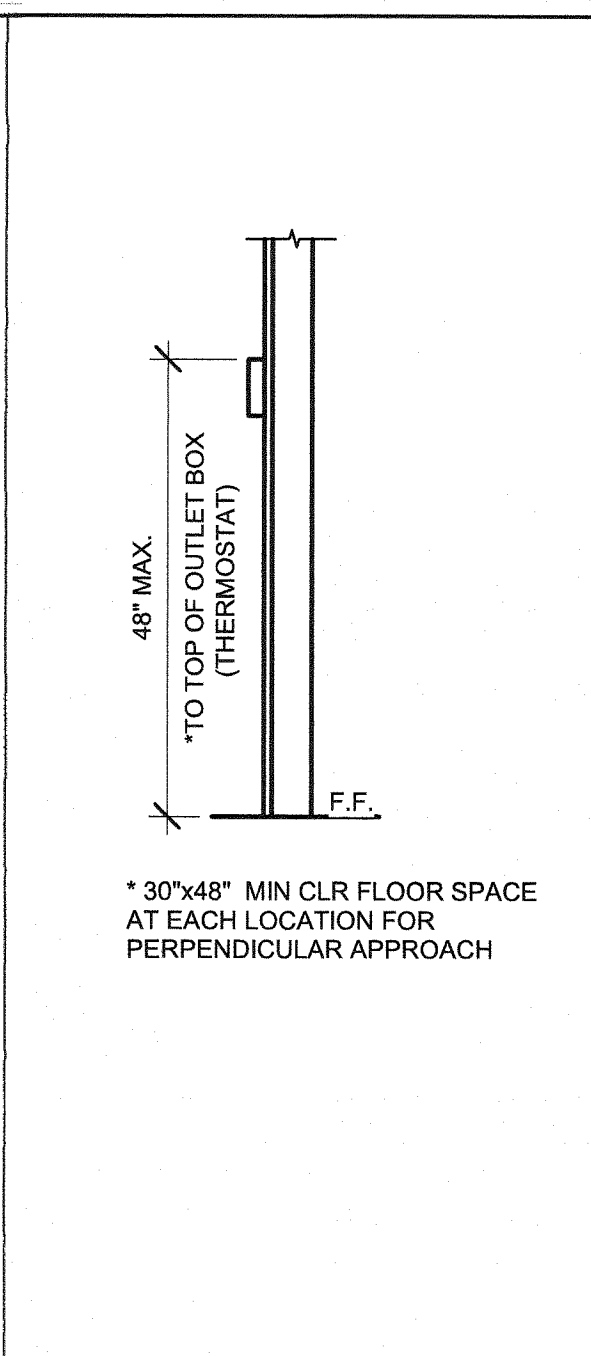
BRACING OF PIPING, DUCTWORK AND ELECTRICAL SYSTEMS:

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND 2016 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D.

COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.



1 1" = 1'-0" LEGEND

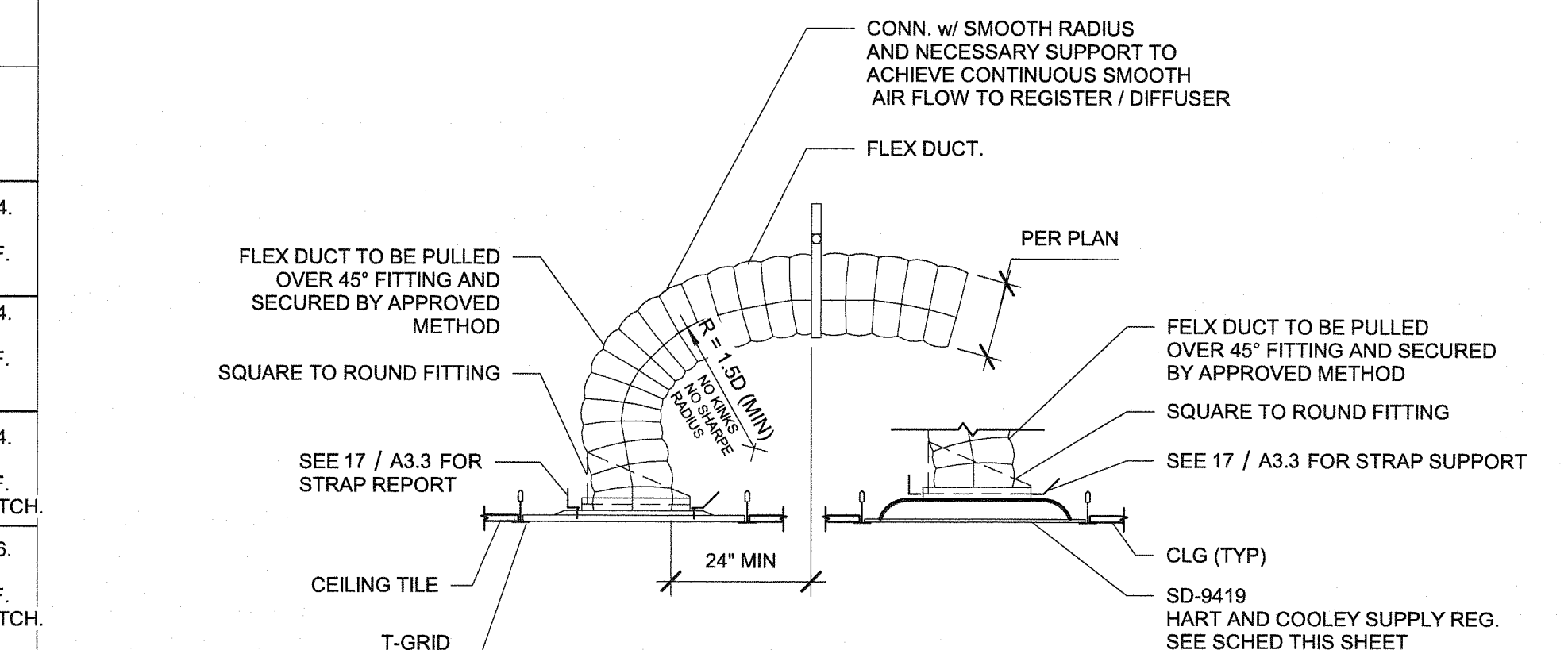
5 1" = 1'-0" EQUIPMENT ANCHORAGE

9 1" = 1'-0" MOUNTING ELEV.

CEILING MOUNTED EXHAUST FAN

SYM.	USE	MFR/MODEL	CFM	SOUND LEVEL	SP	VOLTS	Ø	POWER	WGT#	NOTES
EF A	BATHROOM EXHAUST	BROANL100	109	1.0 SONES	0.25	120	1	87 WATTS	22.80#	WITH BROAN ROOF CAP #634. PROVIDE 6" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF B	BATHROOM EXHAUST	BROANL200	210	2.0 SONES	0.25	120	1	127 WATTS	23#	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF C	BATHROOM EXHAUST	BROANL300	308	2.8 SONES	0.25	120	1	212 WATTS	23.10#	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF D	BATHROOM EXHAUST	BROAN 676	100	4.0 SONES	0.25	120	1	156 WATTS	7#	WITH BROAN ROOF CAP #636. PROVIDE 4" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.

OR APPROVED EQUAL.

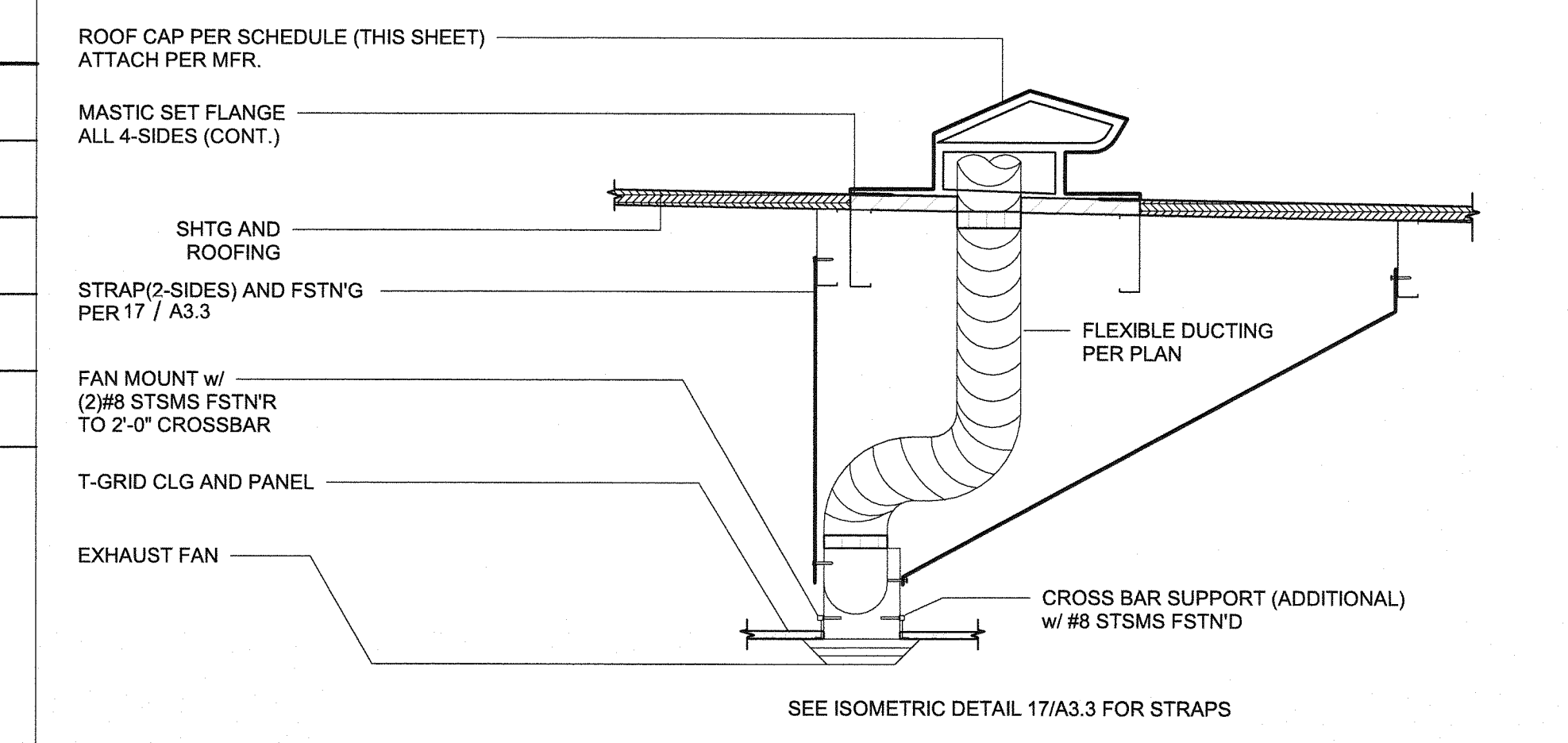


2 1" = 1'-0" CEILING MOUNTED EXHAUST FAN SCHEDULE

PERFORATED FACE GRILLE SCHEDULE (SUPPLY)

NECK SIZE	CFM (RANGE)	NOTES
6"Ø	0-150	SEE DETAIL FOR MAKE AND MODEL
8"Ø	150-230	SEE DETAIL FOR MAKE AND MODEL
10"Ø	230-350	SEE DETAIL FOR MAKE AND MODEL
12"Ø	350-460	SEE DETAIL FOR MAKE AND MODEL
14"Ø	460-640	SEE DETAIL FOR MAKE AND MODEL

Fixed Curve Blade, 4-way throw

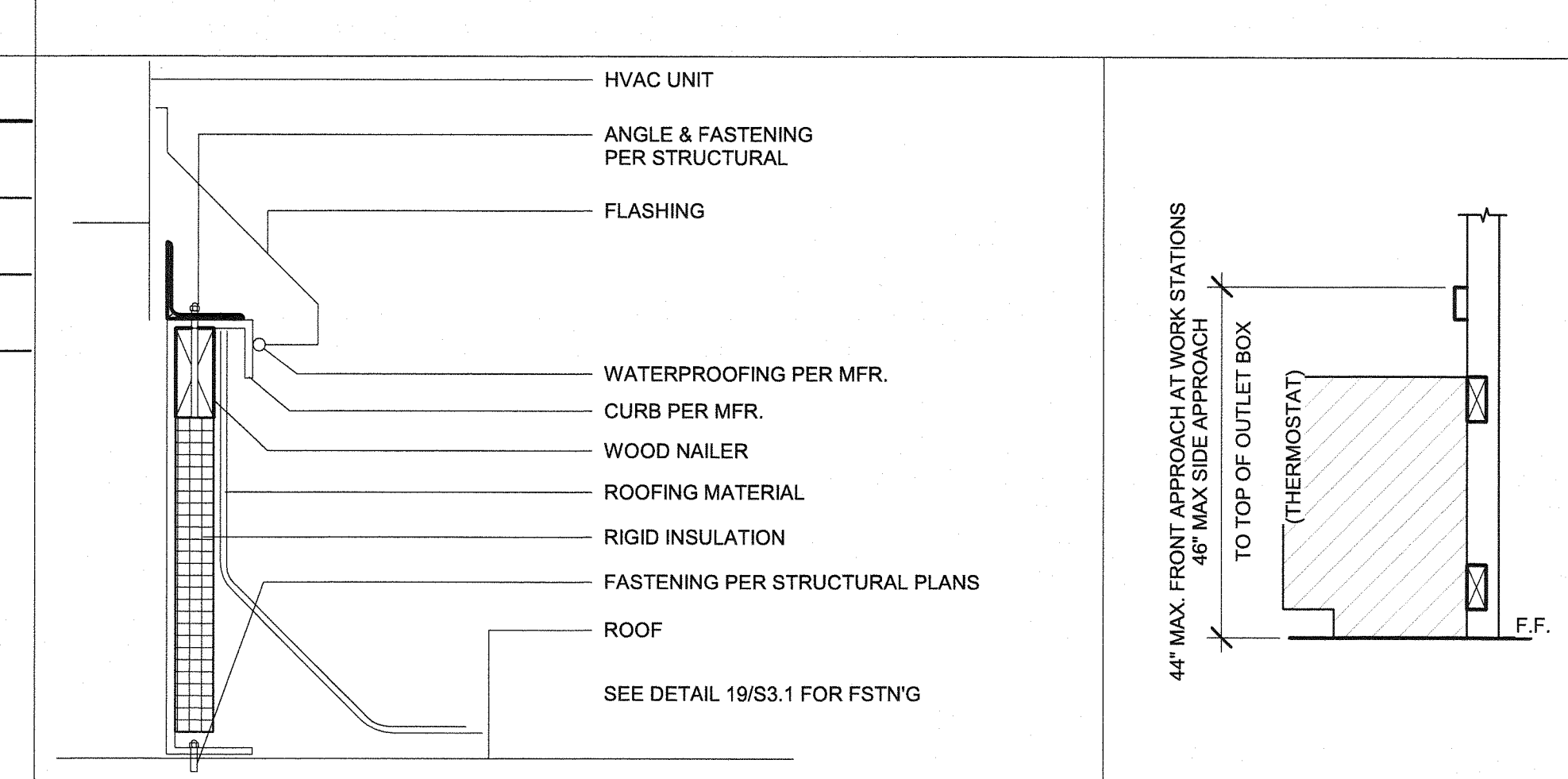


3 1" = 1'-0" PFG SCHED (SUPPLY)

PERFORATED FACE GRILLE SCHEDULE (RETURN)

NECK SIZE	CFM (RANGE)	NOTES
6"Ø	0-230	SEE MECH CLG PLAN FOR SIZE
10"Ø	230-460	SEE MECH CLG PLAN FOR SIZE
14"Ø	460-710	SEE MECH CLG PLAN FOR SIZE

Perforated Face
Shoemaker 105P with 24 ga. 45 deg.



4 1" = 1'-0" PFG SCHED (RETURN)

10 1" = 1'-0" ELEV. @ WORKSTATION

10.6 EER and 11 EER

SINGLE PACKAGE VERTICAL HEAT PUMP SCHEDULE

TAG	STANDARD	OPTION #1	OPTION #2
NOMINAL TONNAGE	4.0 TONS	*5 TONS	3.5 TONS
MANUFACTURER	**BARD	**BARD	**BARD
MODEL#	C48H1	C60H1	C42H1
CFM	1550	1700	1400
STATIC PRESSURE	3.0	3.0	3.0
DRIVE	DIRECT	DIRECT	DIRECT
MCA	58	67	57
MOCPP	60	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#4/#8	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F (PART/FULL)	25,900/36,000	30,800/40,300	21,700/29,700
TOTAL COOLING @ 95° F (PART/FULL)	34,000/45,500	40,800/55,500	26,800/40,000
HEATING CAP. BTUH @ 47° F (PART/FULL)	29,200/41,500	36,000/51,000	46,600/38,500
HEATING CAP. BTUH @ 17° F	28,000	32,000	25,000
OPERATING WEIGHT	550#	580#	550#
EER	11.00	10.60	11.00
COP @ 47° F	3.00	3.00	3.00
COP @ 17° F	2.00	2.00	2.00

10.6 AND 11.0 EER (GAS ALTERNATE)

SINGLE PACKAGE VERTICAL AIR CONDITIONER WITH GAS FURNACE

TAG	STANDARD	OPTION #1	OPTION #2
NOMINAL TONNAGE	4.0 TONS	*5 TONS	3.5 TONS
MANUFACTURER	BARD	**BARD	BARD
MODEL#	C48H1	C60H1	C42H1
CFM	1600	1750	1300
STATIC PRESSURE	0.2	0.2	0.2
DRIVE	DIRECT	DIRECT	DIRECT
MCA	38	40	32
MOCPP	50	60	50
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#6/#10	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F (PART/FULL)	35,900/36,000	30,800/40,300	21,700/29,700
TOTAL COOLING @ 95° F (PART/FULL)	34,000/45,500	40,800/55,500	26,800/40,000
HEATING INPUT	75,000	75,000	75,000
HEATING OUTPUT	61,500	61,500	61,500
OPERATING WEIGHT	710#	725#	700#
EER	11.00	10.60	11.00
THEMAL EFFICIENCY (TE)	82	82	82

14 SEER

SINGLE PACKAGE ROOF TOP HEAT PUMP SCHEDULE

TAG	STANDARD	OPTION #1	OPTION #2
NOMINAL TONNAGE	4.0 TONS	*5 TONS	3 TONS
MANUFACTURER	**CARRIER	**CARRIER	**CARRIER
MODEL#	50KQ05	50KQ06	50KQ04
CFM	1600	1750	1400
STATIC PRESSURE	0.2	0.2	0.15
DRIVE	BELT	BELT	BELT
MCA	64	72	59
MOCPP	70	80	60
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#4/#8	#4/#8	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35,260	40,700	30,500
TOTAL COOLING @ 95° F	49,000	58,000	35,600
HEATING CAP. BTUH @ 47° F	45,500	58,000	35,500
HEATING CAP. BTUH @ 17° F	28,600	28,600	18,400
OPERATING WEIGHT	560#	616#	572#
SEER	14.00	14.3	14.00
HSPF	8.0	8.0	8.0
COP @ 47° F	3.4	3.5	3.4
COP @ 17° F	2.4	2.4	2.3

10.6 EER and 11 EER

HVAC SCHEDULE

BUILDING SIZE	# OF HVAC		
	3 1/2 TON HVAC	4 TON HVAC	5 TON HVAC
24' x 40'	1		
36' x 40'		1	
48' x 40'	2		
60' x 40'		2	
72' x 40'	3		2
84' x 40'		3	
96' x 40'	4		3
108' x 40'		4	
120' x 40'	5		

HVAC SCHEDULE TYPICAL FOR WALL MTD AND ROOF MTD UNITS

2016 CALGREEN AND ENERGY CODE - COMPLIANCE SECTIONS

FILTER SPECIFICATION:

5.504.3 - ALL EXPOSED DUCT OPENINGS AND MECHANICAL EQUIPMENT SHALL BE COVERED AND PROTECTED DURING CONSTRUCTION AND SHIPMENT.

5.504.5.3 - HVAC FILTER (MERV RATING OF 8 MINIMUM OR HIGHER), ALL MECHANICAL EQUIPMENT WHICH REQUIRES A FILTER SHALL NOT BE OPERATED WITHOUT A FILTER IN PLACE.

OUTDOOR AIR QUALITY:

HVAC EQUIPMENT DOES NOT CONTAIN CFCs OR HALONS.

14 SEER (GAS ALTERNATE)

SINGLE PACKAGE ROOF TOP AIR CONDITIONER WITH GAS FURNACE

TAG	STANDARD	OPTION #1	OPTION #2
NOMINAL TONNAGE	4.0 TONS	*5 TONS	3 TONS
MANUFACTURER	**CARRIER	**CARRIER	**CARRIER
MODEL#	50KQ05	50KQ06	50KQ04
CFM	1600	1750	1400
STATIC PRESSURE	0.2	0.2	0.15
DRIVE	BELT	BELT	BELT
MCA	36.1	41.8	29.6
MOCPP	50	60	40
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#6/#10	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35,260	40,700	30,500
TOTAL COOLING @ 95° F	49,000	58,000	35,600
HEATING INPUT	90,000	90,000	90,000
HEATING OUTPUT	73,000	73,000	73,000
OPERATING WEIGHT	580#	616#	572#
SEER	14.00	14.3	14.00
AFUE	80.4%	80.4%	80.4%

14 SEER (GAS ALTERNATE)

SINGLE PACKAGE ROOF TOP AIR CONDITIONER WITH GAS FURNACE

TAG	STANDARD	OPTION #1	OPTION #2
NOMINAL TONNAGE	4.0 TONS	*5 TONS	3 TONS
MANUFACTURER	**CARRIER	**CARRIER	**CARRIER
MODEL#	50KQ05	50KQ06	50KQ04
CFM	1600	1750	1400
STATIC PRESSURE	0.2	0.2	0.15
DRIVE	BELT	BELT	BELT
MCA	36.1	41.8	29.6
MOCPP	50	60	40
VOLTAGE	208/230-1	208/230-1	208/230-1
WIRE SIZE (PWR/GRND)	#6/#10	#6/#10	#6/#10
DESIGN RETURN AIR (DB/WB)	80/67	80/67	80/67
SENSIBLE COOLING @ 95° F	35,260	40,700	30,500
TOTAL COOLING @ 95° F	49,000	58,000	35,600
HEATING INPUT	90,000	90,000	90,000
HEATING OUTPUT	73,000	73,000	73,000
OPERATING WEIGHT	580#	616#	572#
SEER	14.00	14.3	14.00
AFUE	80.4%	80.4%	80.4%

HVAC NOTES

- SET BACK THERMOSTAT SHALL BE PROVIDED
- THE CO2 SENSOR SHALL NOT BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND NEED TO BE LOCATED ACCORDINGLY, AND PLACED NO LESS THAN 35" AFF AND NO MORE THAN 72" AFF.
- AIR HANDLERS WITH OTHER VOLTAGES SHOULD BE ACCEPTABLE, AS WELL AS OTHERS THAN THE MAKE AND MODELS LISTED ON THESE TABLES, WHEN THE NOMINAL TONNAGE DOES NOT EXCEEDS 5 TON AND THE SEER, HSPF AND COP VALUES ARE NO LESS THAN SHOWN.
- MODEL NUMBERS FOR HEAT PUMP UNITS WITH OPTIONAL 5.0 AUXILIARY HEAT STRIPS, WHEN THE HEAT STRIP IS NOT USED, THE MCA AND MOCPP MUST BE VERIFIED AND HEAT STRIPS LARGER THAN THE SIZES SHOWN MAY NOT BE USED.
- HVAC SYSTEM DOES NOT CONTAIN AN ECONOMIZER AND DEMAND CONTROL VENTILATION DEVICES.
- CLASSROOMS ARE DESIGNED FOR MINIMUM OUTSIDE AIR OF 0.38 CFM PER SF. PER CALIFORNIA ENERGY CODE (CEC), SPACES SHALL BE DESIGNED TO THE MINIMUM REQUIREMENTS AS SPECIFIED OR TO 15 CFM PER OCCUPANT, WHICHEVER IS GREATER. PC MANUFACTURER SHALL VERIFY WITH THE SCHOOL DISTRICT THE EXPECTED NUMBER OF OCCUPANTS IN THE CLASSROOM SO THAT THE OUTDOOR VENTILATION RATE FOR MECHANICAL SYSTEMS CAN BE ADEQUATELY ADJUSTED UPON SITE INSTALLATION OF THE BUILDING. PC MANUFACTURER SHALL ALSO CONFIRM WITH HVAC EQUIPMENT MANUFACTURER THAT THE SELECTED EQUIPMENT WILL BE ABLE TO PERFORM TO ACCOMMODATE THE ADDITIONAL OUTDOOR AIR REQUIREMENTS UNDER THE PEAK DESIGN CONDITIONS FOR THE CLIMATE ZONE IN WHICH THE BUILDING IS LOCATED. AT OCCUPANCY, THE BUILDING MANUFACTURER SHALL PROVIDE TO BUILDING OWNER A DESCRIPTION OF THE QUANTITIES OF OUTDOOR AND RECIRCULATED AIR THAT THE VENTILATION SYSTEMS ARE DESIGNED TO PROVIDE EACH AREA.

*FOR 24x40 BUILDING A 5 TONS UNIT IS ONLY TO BE USED ON COMPUTER LAB APPLICATION

**OR EQUAL

SECTION 915 CARBON MONOXIDE DETECTION

915.2.3 Group E occupancies. Carbon monoxide detection shall be installed in classrooms in Group E occupancies. Carbon monoxide alarm signals shall be automatically transmitted to an on-site location that is staffed by school personnel.

915.3 Detection equipment. Carbon monoxide detection required by Sections 915.1 through 915.2.3 shall be provided by carbon monoxide alarms complying with Section 915.4 or carbon monoxide detection systems complying with Section 915.5.

CFC 915.1 - Classrooms which contain a fuel-burning appliance or a fuel-burning fireplace or are supplied by a forced-air furnace shall be provided with a carbon monoxide detection system. Provide a carbon monoxide detection system

GENERAL NOTE:
UTILITIES THAT SPAN BETWEEN UNITS OR ACROSS SEISMIC SEPARATION JOINTS MUST BE DESIGNED WITH A FLEXIBLE CONNECTION THAT CAN ACCOMMODATE DIFFERENTIAL MOVEMENTS

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ARCHITECT
MANUEL D. PEREZ
NO. 22380
STATE OF CALIFORNIA

12/19/2017

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CLIENT

CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
FILE NUMBER: PC-128
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116504 INCR: 0
AC, RM, FLS, EA, SSR, KER
DATE: 07/19/2018

PROJECT TITLE
24' x 40' EXPANDABLE TO 120' x 40'

PRE-CHECK (PC) DOCUMENT
Code: [2016] CBC
A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 119164
ACSR, FLS, Hb, SS
DATE: MAR 17 2019

Revision Schedule
Description Date

SHEET TITLE
MISCELLANEOUS NOTES & DETAILS

PROJECT NUMBER
17016A

DRAWN BY
rMc/SC

CHECKED BY
JART

DATE
2017/06/05

SHEET NO.
M0.1

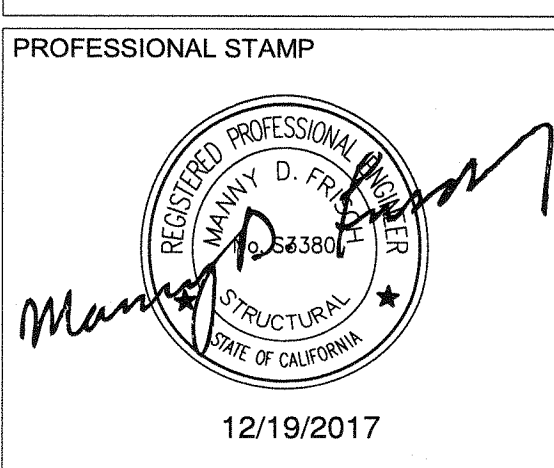
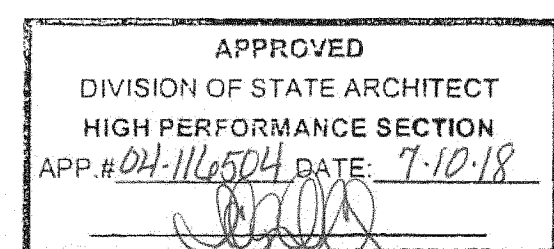
SHEET OF SHEETS

PC DESIGN REVIEW INFORMATION Title 24, Part 6, Energy Code DSA Application #: 04-116504 Calculation Date/Time of Energy Report: 2018-06-23 17:00:30 Model Name and Option: 20'x40' PC - CLASS LEASING LLC Total Floor Area: 960 ft ² HVAC System Type: Simple / Wall Mounted A/C				
Climate Zone (Reference City)	Altitude (Front Orientation)	TDV - Standard Design	TDV - Proposed Design	Compliance Margin
14 (Palmdale) <	30	375.47	352.44	6.13%
	< * 75	356.36	348.45	< * 2.20%
	120	374.87	352.54	5.96%
	165	377.28	352.73	6.51%
	210	375.47	352.94	6.00%
	* 255	356.36	348.45	* 2.20%
	300	374.87	352.54	5.96%
345	377.28	352.73	6.51%	
15 (Palm Springs-Int)	30	429.08	394.12	8.15%
	* 75	411.12	390.15	* 5.10%
	120	428.02	394.06	7.93%
	165	430.55	394.04	8.48%
	210	429.08	394.12	8.15%
	* 255	411.12	390.15	* 5.10%
	300	428.02	394.06	7.93%
345	430.55	394.04	8.48%	
16 (Blue Canyon)	30	357.12	336.72	5.71%
	* 75	337.94	329.35	* 2.50%
	120	356.82	336.85	5.60%
	165	358.91	336.85	6.12%
	210	357.12	336.72	5.71%
	* 255	337.94	329.35	* 2.50%
	300	356.82	336.85	5.60%
345	358.91	336.85	6.12%	

Reference: Energy Code, Appendix N44, Table N44-3
Notes:
* In the event that there are identical percentages, select one.
** This table is not currently generated by the energy software.
< Least Compliance Margin Orientation

PC DESIGN REVIEW INFORMATION Title 24, Part 6, Energy Code DSA Application #: 04-116504 Calculation Date/Time of Energy Report: 2018-06-23 19:58:52 Model Name and Option: 120'x40' PC - CLASS LEASING LLC Total Floor Area: 4,800 ft ² HVAC System Type: Simple / Wall Mounted A/C				
Climate Zone (Reference City)	Altitude (Front Orientation)	TDV - Standard Design	TDV - Proposed Design	Compliance Margin
14 (Palmdale) <	30	355.00	337.30	4.99%
	< * 75	334.48	333.12	< * 0.40%
	120	353.88	336.40	4.94%
	165	358.78	338.70	5.60%
	210	355.00	337.30	4.99%
	* 255	334.48	333.12	* 0.40%
	300	353.88	336.40	4.94%
345	358.78	338.70	5.60%	
15 (Palm Springs-Int)	30	406.60	381.50	6.17%
	* 75	384.85	375.47	* 2.50%
	120	404.84	380.12	6.11%
	165	410.19	382.55	6.74%
	210	406.60	381.50	6.17%
	* 255	384.85	375.47	* 2.50%
	300	404.84	380.12	6.11%
345	410.19	382.55	6.74%	
16 (Blue Canyon)	30	334.47	320.27	4.25%
	* 75	314.67	312.69	* 0.60%
	120	333.94	319.52	4.32%
	165	333.48	319.52	4.35%
	210	334.47	320.27	4.25%
	* 255	314.67	312.69	* 0.60%
	300	333.94	319.52	4.32%
345	339.48	321.33	5.35%	

Reference: Energy Code, Appendix N44, Table N44-3
Notes:
* In the event that there are identical percentages, select one.
** This table is not currently generated by the energy software.
< Least Compliance Margin Orientation



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Project Name:	120X40 (PC 04-116504) - Wall AC	NRCC-PRF-01-E	Page 1 of 19
Project Address:	Climate Zone 14 Palmdale	Calculation Date/Time:	19:52, Sat, Jun 23, 2018
Compliance Scope:	NewComplete	Input File Name:	120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x

A. PROJECT GENERAL INFORMATION			
1. Project Location (city)	Palmdale	8. Standards Version	Compliance2016
2. CA Zip Code		9. Compliance Software (version)	EnergyPro 7.2
3. Climate Zone	14	10. Weather File	PALMDALE_T23820_CZ2010.epw
4. Total Conditioned Floor Area in Scope	4,800 ft ²	11. Building Orientation (deg)	(E) 75 deg
5. Total Unconditioned Floor Area	0 ft ²	12. Permitted Scope of Work	NewComplete
6. Total # of Stories (Habitable Above Grade)	1	13. Building Type(s)	Nonresidential
7. Total # of dwelling units	0	14. Gas Type	NaturalGas

B. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kWh/ft ² -yr)				
BUILDING COMPLIES § 140.1				
1. Energy Component	2. Standard Design (TDV)	3. Proposed Design (TDV)	4. Compliance Margin (TDV)	5. Percent Better than Standard
Space Heating	17.88	22.68	-4.80	-26.8%
Space Cooling	103.92	117.41	-13.49	-13.0%
Indoor Fans	88.46	85.47	2.99	3.4%
Heat Rejection	--	--	--	--
Pumps & Misc.	--	--	--	--
Domestic Hot Water	11.16	11.16	--	0.0%
Indoor Lighting	48.76	32.10	16.66	34.2%
COMPLIANCE TOTAL	270.18	268.82	1.36	0.5%
Receptacle	64.30	64.30	0.0	0.0%
Process	--	--	--	--
Other Ltg	--	--	--	--
Process Motors	--	--	--	--
TOTAL	334.48	333.12	1.4	0.4%

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-06152018-5302 Report Generated at: 2018-06-23 19:53:38

Project Name:	120X40 (PC 04-116504) - Wall AC	NRCC-PRF-01-E	Page 4 of 19
Project Address:	Climate Zone 14 Palmdale	Calculation Date/Time:	19:52, Sat, Jun 23, 2018
Compliance Scope:	NewComplete	Input File Name:	120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x

G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY			
The following building components are only eligible for prescriptive compliance. Indicate which are relevant to the project.		The following building components may have mandatory requirements per Part 6. Indicate which are relevant to the project.	
Yes	NA	Prescriptive Requirement	Compliance Forms
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lighting (Indoor Unconditioned) §140.6	NRCC-LTI-01 / 02 / 03 / 04 / 05-E
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lighting (Outdoor) §140.7	NRCC-LTO-01 / 02 / 03-E
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lighting (Sign) §140.8	NRCC-LTS-01-E
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Solar Thermal Water Heating: §140.5	NRCC-STH-01-E

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-06152018-5302 Report Generated at: 2018-06-23 19:53:38

Project Name:	120X40 (PC 04-116504) - Wall AC	NRCC-PRF-01-E	Page 2 of 19
Project Address:	Climate Zone 14 Palmdale	Calculation Date/Time:	19:52, Sat, Jun 23, 2018
Compliance Scope:	NewComplete	Input File Name:	120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x

C. PRIORITY PLAN CHECK / INSPECTION ITEMS (In order of highest to lowest TDV energy savings)	
1st	Indoor Lighting: Check lighting
2nd	Indoor Fans: Check envelope and mechanical
3rd	Heat Rejection: Check envelope and mechanical
4th	Pumps & Misc.: Check mechanical
5th	Domestic Hot Water: Check mechanical
6th	Space Heating: Check envelope and mechanical
7th	Space Cooling: Check envelope and mechanical

Compliance Margin by Energy Component (from Table B column 4)

Indoor Lighting	Penalty
Indoor Fans	Energy Credit
Heat Rejection	
Pumps & Misc.	
Domestic Hot Water	
Space Heating	
Space Cooling	

D. EXCEPTIONAL CONDITIONS
The building does not include service water heating. Verify that service water heating is not required and is not included in the design.
This project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylight Control requirements are met. PRESCRIPTIVE COMPLIANCE documentation (form NRCC-LTI-02-E) for the requirements of section 140.6(d) Automatic Daylighting Controls in Secondary Daylit Zones is required.

E. HERS VERIFICATION
This Section Does Not Apply

F. ADDITIONAL REMARKS
Standard Building (Compliance)

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-06152018-5302 Report Generated at: 2018-06-23 19:53:38

Project Name:	120X40 (PC 04-116504) - Wall AC	NRCC-PRF-01-E	Page 5 of 19
Project Address:	Climate Zone 14 Palmdale	Calculation Date/Time:	19:52, Sat, Jun 23, 2018
Compliance Scope:	NewComplete	Input File Name:	120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x

H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) - Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify). See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.			
Building Component	Compliance Forms (required for submittal)	Pass	Fail
Envelope	<input checked="" type="checkbox"/> NRCI-ENV-01-E - For all buildings	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCA-ENV-02-F - NFRC label verification for fenestration	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCI-MCH-01-E - For all buildings with Mechanical Systems	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> NRCA-MCH-02-A - Outdoor Air	<input type="checkbox"/>	<input type="checkbox"/>
Mechanical	<input type="checkbox"/> NRCA-MCH-03-A - Constant Volume Single Zone HVAC	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-MCH-04-H - Air Distribution Duct Leakage	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-MCH-05-A - Air Economizer Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-MCH-06-A - Demand Control Ventilation	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-MCH-07-A - Supply Fan Variable Flow Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-MCH-08-A - Valve Leakage Test	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-MCH-09-A - Supply Water Temp Reset Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-MCH-10-A - Hydronic System Variable Flow Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-MCH-11-A - Auto Demand Shed Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-MCH-12-A - Packaged Direct Expansion Units	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-MCH-13-A - Air Handling Units and Zone Terminal Units	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-MCH-14-A - Distributed Energy Storage	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-MCH-15-A - Thermal Energy Storage	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-MCH-16-A - Supply Air Temp Reset Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-MCH-17-A - Condensate Water Temp Reset Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-MCH-18-A - Energy Management Controls Systems	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> NRCV-MCH-04-H - Duct Leakage Test	<input type="checkbox"/>	<input type="checkbox"/>	

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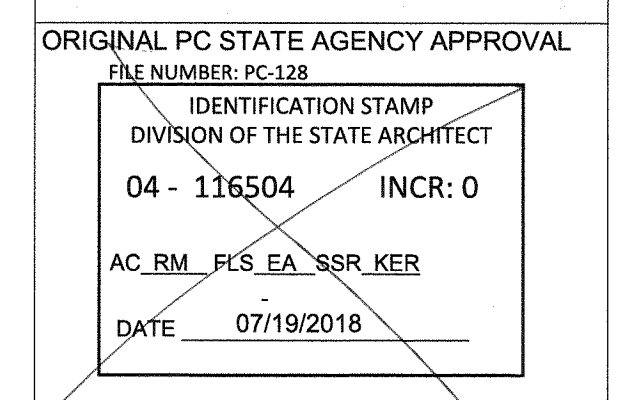
G. COMPLIANCE PATH & CERTIFICATE OF COMPLIANCE SUMMARY			
Identify which building components use the performance or prescriptive path for compliance. "NA" = not in project			
For components that utilize the performance path, indicate the sheet number that includes mandatory notes on plans.			
Building Component	Compliance Path	Compliance Forms (required for submittal)	Location of Mandatory Notes on Plans
Envelope	<input checked="" type="checkbox"/> Performance	NRCC-PRF-ENV-DETAILS (section of the NRCC-PRF-01-E)	M2.3
	<input type="checkbox"/> Prescriptive	NRCC-ENV-01 / 02 / 03 / 04 / 05 / 06-E	
	<input type="checkbox"/> NA		
Mechanical	<input checked="" type="checkbox"/> Performance	NRCC-PRF-MCH-DETAILS (section of the NRCC-PRF-01-E)	M2.3
	<input type="checkbox"/> Prescriptive	NRCC-MCH-01 / 02 / 03 / 04 / 05 / 06 / 07-E	
	<input type="checkbox"/> NA		
Domestic Hot Water	<input checked="" type="checkbox"/> Performance	NRCC-PRF-PLB-DETAILS (section of the NRCC-PRF-01-E)	
	<input type="checkbox"/> Prescriptive	NRCC-PLB-01-E	
	<input type="checkbox"/> NA		
Lighting (Indoor Conditioned)	<input checked="" type="checkbox"/> Performance	NRCC-PRF-LTI-DETAILS (section of the NRCC-PRF-01-E)	M2.3
	<input type="checkbox"/> Prescriptive	NRCC-LTI-01 / 02 / 03 / 04 / 05-E	
	<input type="checkbox"/> NA		
Covered Process: Commercial Kitchens	<input type="checkbox"/> Performance	S2 (section of the NRCC-PRF-01-E)	
	<input type="checkbox"/> Prescriptive	NRCC-PRC-01/ 03-E	
	<input checked="" type="checkbox"/> NA		
Covered Process: Computer Rooms	<input checked="" type="checkbox"/> Performance	S3 (section of the NRCC-PRF-01-E)	
	<input type="checkbox"/> Prescriptive	NRCC-PRC-01/ 04-E	
	<input type="checkbox"/> NA		
Covered Process: Laboratory Exhaust	<input type="checkbox"/> Performance	S4 (section of the NRCC-PRF-01-E)	
	<input type="checkbox"/> Prescriptive	NRCC-PRC-01/ 09-E	
	<input checked="" type="checkbox"/> NA		

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H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) - Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify). See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.				
Building Component	Compliance Forms (required for submittal)	Pass	Fail	
Plumbing	<input type="checkbox"/> NRCI-PLB-01-E - For all buildings with Plumbing Systems	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/> NRCI-PLB-02-E - required on central systems in high-rise residential, hotel/motel application.	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/> NRCI-PLB-03-E - Single dwelling unit systems in high-rise residential, hotel/motel application.	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/> NRCI-PLB-21-E - HERS verified central systems in high-rise residential, hotel/motel application.	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/> NRCI-PLB-22-E - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/> NRCV-PLB-21-H - HERS verified central systems in high-rise residential, hotel/motel application.	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/> NRCV-PLB-22-H - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/> NRCI-STH-01-E - Any solar water heating	<input type="checkbox"/>	<input type="checkbox"/>	
	Indoor Lighting	<input checked="" type="checkbox"/> NRCI-LTI-01-E - For all buildings	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/> NRCI-LTI-02-E - Lighting control system, or for an Energy Management Control System (EMCS)	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> NRCI-LTI-03-E - Line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting		<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> NRCI-LTI-04-E - Two interlocked systems serving an auditorium, a convention center, a conference room, or a theater		<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> NRCI-LTI-05-E - Lighting Control Credit Power Adjustment Factor (PAF)		<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> NRCI-LTI-06-E - Additional wattage installed in a video conferencing studio		<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/> NRCA-LTI-02-A - Occupancy sensors and automatic time switch controls.		<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/> NRCA-LTI-03-A - Automatic daylighting controls		<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> NRCA-LTI-04-A - Demand responsive lighting controls		<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> NRCI-LTO-01-E - Outdoor Lighting		<input type="checkbox"/>	<input type="checkbox"/>	
Outdoor Lighting	<input type="checkbox"/> NRCI-LTO-02-E - EMCS Lighting Control System	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/> NRCA-LTO-02-A - Outdoor Lighting Control	<input type="checkbox"/>	<input type="checkbox"/>	
Sign Lighting	<input type="checkbox"/> NRCI-LTS-01-E - Sign Lighting	<input type="checkbox"/>	<input type="checkbox"/>	
Electrical	<input type="checkbox"/> NRCI-ELC-01-E - Electrical Power Distribution	<input type="checkbox"/>	<input type="checkbox"/>	
Photovoltaic	<input type="checkbox"/> NRCI-SPV-01-E - Photovoltaic Systems	<input type="checkbox"/>	<input type="checkbox"/>	

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PROJECT TITLE
24' x 40' EXPANDABLE TO 120' x 40'

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H. CERTIFICATE OF INSTALLATION, CERTIFICATE OF ACCEPTANCE & CERTIFICATE OF VERIFICATION SUMMARY (NRCI/NRCA/NRCV) -- Documentation Author to indicate which Certificates must be submitted for the features to be recognized for compliance (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify). See Tables G. and H. in MCH and LTI Details Sections for Acceptance Tests and forms by equipment.		Confirmed	
Building Component	Compliance Forms (required for submittal)	Pass	Fail
Covered Process	<input type="checkbox"/> NRCI-PRC-01-E Covered Processes	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-PRC-01-F Compressed Air Systems	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-PRC-02-F Kitchen Exhaust	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-PRC-03-F Garage Exhaust	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-PRC-04-F Refrigerated Warehouse- Evaporator Fan Motor Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-PRC-05-F Refrigerated Warehouse- Evaporative Condenser Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-PRC-06-F Refrigerated Warehouse- Air Cooled Condenser Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-PRC-07-F Refrigerated Warehouse- Variable Speed Compressor	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> NRCA-PRC-08-F Electrical Resistance Underslab Heating System	<input type="checkbox"/>	<input type="checkbox"/>

I. ENVELOPE GENERAL INFORMATION (See NRCC-PRF-ENV-DETAILS for more information)				Confirmed	
1. Total Conditioned Floor Area	4,800 ft ²	5. Number of Floors Above Grade	1	Pass	Fail
2. Total Unconditioned Floor Area	0 ft ²	6. Number of Floors Below Grade	0		
3. Addition Conditioned Floor Area	0 ft ²				
4. Addition Unconditioned Floor Area	0 ft ²				
7. Opaque Surfaces & Orientation		8. Total Gross Surface Area		10. Window to Wall Ratio	
North Wall	1,200 ft ²	160 ft ²	13.3%	<input type="checkbox"/>	<input type="checkbox"/>
East Wall	400 ft ²	0 ft ²	00.0%	<input type="checkbox"/>	<input type="checkbox"/>
South Wall	1,200 ft ²	160 ft ²	13.3%	<input type="checkbox"/>	<input type="checkbox"/>
West Wall	400 ft ²	0 ft ²	00.0%	<input type="checkbox"/>	<input type="checkbox"/>
Total	3,200 ft ²	320 ft ²	10.0%	<input type="checkbox"/>	<input type="checkbox"/>
Roof	4,800 ft ²	30 ft ²	00.6%	<input type="checkbox"/>	<input type="checkbox"/>

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O. EQUIPMENT CONTROLS			§ 120.2		Confirmed	
1. Equip Name	2. Equip Type	3. Controls	Pass	Fail		
AC-1 to AC-5	SPVHP	No DCV Controls No Economizer No Supply Air Temp. Control No Optimum Start No Evaporative Cooler No Heat Recovery	<input type="checkbox"/>	<input type="checkbox"/>		

R. SYSTEM DISTRIBUTION SUMMARY						§ 120.4/ § 140.4(I)		Confirmed	
1.	2.	3. Dry System Distribution		5.	6.	Pass	Fail		
Equip Name	Equip Type	Duct Leakage and Sealing Required per 140.4(I)	Duct Leakage will be verified per NA1 and NA2	Insulation R-Value	Location				
AC-1 to AC-5	SPVHP	No	No	8	Unconditioned	N	<input type="checkbox"/>	<input type="checkbox"/>	

Does the Project Include Zonal Systems? (If "Yes", see NRCC-PRF-MCH-DETAILS for system information)	No
Does the Project Include a Solar Hot Water System? (If "Yes", see NRCC-PRF-MCH-DETAILS for system information)	No
Multifamily or Hotel/ Motel Occupancy? (If "Yes", see NRCC-PRF-MCH-DETAILS for DHW system information)	No

Q. INDOOR CONDITIONED LIGHTING GENERAL INFO (see NRCC-PRF-LTI-DETAILS for more info) ¹						§ 140.6		Confirmed	
1. Occupancy Type ¹	2. Conditioned Floor Area ² (ft ²)	3. Installed Lighting Power (Watts)	4. Lighting Control Credits (Watts)	5. Additional (Custom) Allowance		Pass	Fail		
				Area Category Footnotes (Watts)	Tailored Method (Watts)				
Classrooms, Lecture, Training, Vocational Areas	4,800	3,160	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>		
Building Totals:	4,800	3,160	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>		

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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT		§ 10-103	
I certify that this Certificate of Compliance documentation is accurate and complete.			
Documentation Author Name: LAL B. SAHGAL	Signature: <i>Lal Sahgal</i>		
Company: LSA CONSULTING ENGINEERS	Signature Date: 06/25/2018		
Address: 83, WINDSWEEP WAY	CEA Identification (if applicable): M26885		
City/State/Zip: MISSION VIEJO CA. 92692			
Phone: (949)830-4746			
RESPONSIBLE PERSON'S DECLARATION STATEMENT			
I certify the following under penalty of perjury, under the laws of the State of California:			
1	I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, or I am a licensed architect.		
2	I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.		
3	I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.		
Responsible Envelope Designer Name: Manny D. Frisch	Signature: <i>Manny D. Frisch</i>		
Company: R & S TAVARES ASSOCIATES	Date Signed: 06/25/2018		
Address: 11777 Bernardo Plaza Ct. #105	Declaration Statement Type:		
City/State/Zip: San Diego Ca. 92128	Title:	License #: S3380	
Phone: (858)444-3344 Ext. 1810			
Responsible Lighting Designer Name: Ralph M. TAVARES	Signature: <i>Ralph M. TAVARES</i>		
Company: R & S TAVARES ASSOCIATES	Date Signed: 06/25/2018		
Address: 11777 Bernardo Plaza Ct. #105	Declaration Statement Type:		
City/State/Zip: San Diego Ca. 92128	Title:	License #:	
Phone: (858)444-3344 Ext. 1801			
Responsible Mechanical Designer Name: Lal Sahgal	Signature: <i>Lal Sahgal</i>		
Company: LSA Consulting Engineers	Date Signed: 06/25/2018		
Address: 83, Windswept Way	Declaration Statement Type:		
City/State/Zip: Mission Viejo Ca. 92692	Title:	License #: M26885	
Phone: (949)830-4746			

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J. FENESTRATION ASSEMBLY SUMMARY											§ 110.6		Confirmed	
1. Fenestration Assembly Name / Tag or I.D.	2. Fenestration Type / Product Type / Frame Type	3. Certification Method ¹	4. Assembly Method	5. Area ft ²	6. Overall U-factor	7. Overall SHGC	8. Overall VT	9. U-factor of Glazing	10. Pass	11. Fail				
Sierra Pacific Windows	Vertical Fenestration Fixed Window N/A	NFRC Rated	Manufactured	320	0.35	0.24	0.50	N	<input type="checkbox"/>	<input type="checkbox"/>				
Solutube	Skylight Fixed Window N/A	NFRC Rated	Manufactured	30	0.37	0.35	0.50	N	<input type="checkbox"/>	<input type="checkbox"/>				

¹ Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-6 and Table 110.6-8. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.

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

Taking compliance credit for fenestration shading devices? (If "Yes", see NRCC-PRF-ENV-DETAILS for more information) No

K. OPAQUE SURFACE ASSEMBLY SUMMARY								§ 120.7/ § 140.3		Confirmed	
1. Surface Name	2. Surface Type	3. Area (ft ²)	4. Framing Type	5. Cavity R-Value	6. Continuous R-Value	7. U-Factor / F-Factor / G-Factor	8. U-factor of Glazing	9. Pass	10. Fail		
R-19 Wall Metal Stud5	Exterior Wall	3200	Metal	19	4	U-Factor: 0.104	N	<input type="checkbox"/>	<input type="checkbox"/>		
Raised Slab Floor with R-12	Exterior Floor	4800	Metal	11	NA	U-Factor: 0.091	N	<input type="checkbox"/>	<input type="checkbox"/>		
Standing Seam R-30 Metal14	Roof	4800	NA	30	NA	U-Factor: 0.072	N	<input type="checkbox"/>	<input type="checkbox"/>		

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

L. ROOFING PRODUCT SUMMARY							§ 140.3		Confirmed	
1. Product Type	2. Product Density (lb/ft ²)	3. Aged Solar Reflectance	4. Thermal Emittance	5. SRI	6. Cool Roof Credit	7. Roofing Product Description	8. Pass	9. Fail		
Standing Seam R-30 Metal14	2,543	0.08	0.75	NA	No	NA	<input type="checkbox"/>	<input type="checkbox"/>		

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¹ See NRCC-LTI-01-E for unconditioned spaces

² Lighting information for existing spaces modeled is not included in the table

R. INDOOR CONDITIONED LIGHTING SCHEDULE (Adapted from NRCC-LTI-01-E) ¹						§ 140.0		Confirmed		
Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft ² in offices)						Installed Watts (Conditioned)		Pass	Fail	
Name or Item Tag	Complete Luminaire Description (i.e., 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per luminaire	How Wattage is Determined	Total Number Luminaires	Installed Watts	Pass	Fail			
			CEC Default from NAB							
			According to §130.0(c)							
L-1	3-LAMP / 32W / T8	96	Yes	No	40			<input type="checkbox"/>	<input type="checkbox"/>	

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

S1. COVERED PROCESS SUMMARY -- ENCLOSED PARKING GARAGES	§ 140.9
This Section Does Not Apply	

S2. COVERED PROCESS SUMMARY -- COMMERCIAL KITCHENS	§ 140.9
This Section Does Not Apply	

S3. COVERED PROCESS SUMMARY -- COMPUTER ROOMS	§ 140.9
This Section Does Not Apply	

S4. COVERED PROCESS SUMMARY -- LABORATORY EXHAUSTS	§ 140.9
This Section Does Not Apply	

T. UNMET LOAD HOURS	
This Section Does Not Apply	

U. ENERGY USE SUMMARY						
Energy Component	Standard Design Site (MWh)	Proposed Design Site (MWh)	Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)
Space Heating	--	6.4	--	51.5	--	--
Space Cooling	12.2	14.3	-2.1	--	--	--

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M. HVAC SYSTEM SUMMARY (see NRCC-PRF-MCH-DETAILS for more information)											§ 110.1 / § 110.2		Confirmed	
Dry System Equipment ¹ (Fan & Economizer info included below in Table N)											Pass	Fail		
1. Equip Name	2. Equip Type	3. System Type (Simple ² or Complex ³)	4. Total Heating Output (kBtu/h)	5. Total Cooling Output (kBtu/h)	6. Supp Heat Source (Y/N)	7. Supp Heat Output (kBtu/h)	8. Total Cooling Output (kBtu/h)	9. Efficiency	10. Acceptance Testing Required? (Y/N) ⁴	11. Status ⁵				
AC-1 to AC-5	SPVHP (Packaged) Phase	Simple	5	40	No	0	38	EER-11.00	COP-3.40	Yes	N	<input type="checkbox"/>	<input type="checkbox"/>	

¹ Dry System Equipment includes furnaces, air handling units, heat pumps, etc.

² Simple Systems must complete NRCC-CR-03-E commissioning design review form

³ Complex Systems must complete NRCC-CR-04-E commissioning design review form

⁴ A summary of which acceptance tests are applicable is provided in NRCC-PRF-MCH-DETAILS

⁵ Status: N - New, A - Altered, E - Existing

Wet System Equipment Section Does Not Apply

Discrepancy between modeled and designed equipment sizing? (If "Yes", see Table F. "Additional Remarks" for an explanation) No

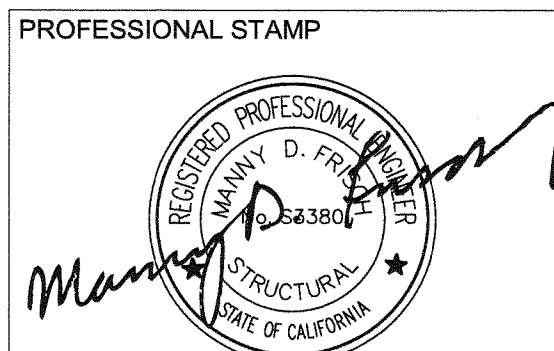
N. ECONOMIZER & FAN SYSTEMS SUMMARY ¹											§ 140.4		Confirmed			
Equip Name	Supply Fan				Return Fan				Economizer Type (if present)	Pass	Fail					
	CFM	HP	BHP	TSP (inches WC)	Control	CFM	HP	BHP						TSP (inches WC)	Control	
AC-1 to AC-5	360	1250	0.750	0.750	1.90	Constant Volume	NA	NA	NA	NA	NA	NA	No Economizer	<input type="checkbox"/>	<input type="checkbox"/>	

¹ Mechanical ventilation calculations and exhaust fans are included in the NRCC-PRF-MCH-DETAILS section

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U. ENERGY USE SUMMARY						
Energy Component	Standard Design Site (MWh)	Proposed Design Site (MWh)	Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)
Indoor Fans	18.2	18.1	0.1	--	--	--
Heat Rejection	--	--	--	--	--	--
Pumps & Misc.	--	--	--	--	--	--
Domestic Hot Water	--	--	--	37.1	37.1	0.0
Indoor Lighting	9.8	6.5	3.3	--	--	--
COMPLIANCE TOTAL	40.2	45.3	-5.1	88.6	37.1	51.5
Receptacle	12.7	12.7	0.0	--	--	--
Process	--	--	--	--	--	--
Other Ltg	--	--	--	--	--	--
Process Motors	--	--	--	--	--	--
TOTAL	52.9	58.0	-5.1	88.6	37.1	51.5

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance	Report Version: NRCC-PRF-01-E-06152018-5302	Report Generated at: 2018-06-23 19:53:38
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12/19/2017

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1221 Harley Knox

Project Name:	120X40 (PC 04-116504) - Wall AC	NRCC-PRF-01-E	Page 14 of 19
Project Address:	Climate Zone 14 Palmdale	Calculation Date/Time:	19:52, Sat, Jun 23, 2018
Compliance Scope:	NewComplete	Input File Name:	120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x

NRCC-PRF-ENV-DETAILS - SECTION START-

A. OPAQUE SURFACE ASSEMBLY DETAILS				Confirmed	
1.	2.	3.	4.	Pass	Fail
Surface Name	Surface Type	Description of Assembly Layers	Notes		
R-19 Wall Metal Stud5	ExteriorWall	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Metal framed wall, 16in. OC, 5.5in., R-19 Gypsum Board - 1/2 in. Expanded Polystyrene - EPS - 1 in. R4.2		<input type="checkbox"/>	<input type="checkbox"/>
Raised Slab Floor with R-12	ExteriorFloor	Concrete - 140 lb/ft3 - 4 in. Metal framed floor, 24in. OC, 5.5in., R-11 Plywood - 1/2 in. Carpet - 3/4 in.		<input type="checkbox"/>	<input type="checkbox"/>
Standing Seam R-30 Metal14	Roof	Metal Standing Seam - 1/16 in. Metal standing seam roof, R-30		<input type="checkbox"/>	<input type="checkbox"/>

B. OVERHANG DETAILS (Adapted from NRCC-ENV-02-E)

This Section Does Not Apply

C. OPAQUE DOOR SUMMARY

This Section Does Not Apply

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-06152018-5302 Report Generated at: 2018-06-23 19:53:38

Project Name:	120X40 (PC 04-116504) - Wall AC	NRCC-PRF-01-E	Page 15 of 19
Project Address:	Climate Zone 14 Palmdale	Calculation Date/Time:	19:52, Sat, Jun 23, 2018
Compliance Scope:	NewComplete	Input File Name:	120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x

NRCC-PRF-MCH-DETAILS - SECTION START-

A. MECHANICAL VENTILATION AND REHEAT (Adapted from 2016-NRCC-MCH-03-E)														Confirmed				
CONDITIONED ZONE NAME	HEATING/COOLING SYSTEM ID	1. DESIGN AIR FLOWS				2. VENTILATION (§ 120.1)								Pass	Fail			
		DESIGN PRIMARY AIR FLOW (CFM)	DESIGN SECONDARY AIR FLOW (CFM)	MINIMUM FRESH AIR FLOW FRACTION	MAXIMUM HEATING AIR FLOW (CFM)	VENT SYSTEM ID	DOCS CONTROL (Y/N)	MAXIMUM HEATING AIR FLOW FRACTION	MIN. VENT PER AREA (CFM/TA)	DESIGN NUM. OF PEOPLE	MIN. VENT PER PERSON (CFM/PERSON)	REQD VENT AIR FLOW (CFM)	DESIGN VENT AIR FLOW (CFM)			TRANSFER AIRFLOW (CFM)	DCV (Y/N)	Operable Window Method: § 120.4(d)(1)(N)
1-First Floor	AC-1 to AC-5	6,250	NA	NA	NA	NA	N	AC-1 to AC-5	4,800	NA	120.0	15.00	1,800	1,800	NA	NA	<input type="checkbox"/>	<input type="checkbox"/>
TOTAL									4,800		120.0		1,800	1,800			<input type="checkbox"/>	<input type="checkbox"/>

B. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

System ID	System Type	Qty	4. Rated Capacity (kBtu/h)		Economizer	Zone Name	7. Airflow (cfm)			8. Fan			Pass	Fail
			Heating	Cooling			Design	Min.	Min. Ratio	BHP	Cycles	ECM Motor		
1-First Floor-Trm	Uncontrolled	5	NA	NA	NA	1-First Floor	6250	NA	NA	NA	NA	NA	<input type="checkbox"/>	<input type="checkbox"/>

C. EXHAUST FAN SUMMARY

This Section Does Not Apply

D. DHW EQUIPMENT SUMMARY - (Adapted from NRCC-PLB-01)

This Section Does Not Apply

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-06152018-5302 Report Generated at: 2018-06-23 19:53:38

Project Name:	120X40 (PC 04-116504) - Wall AC	NRCC-PRF-01-E	Page 16 of 19
Project Address:	Climate Zone 14 Palmdale	Calculation Date/Time:	19:52, Sat, Jun 23, 2018
Compliance Scope:	NewComplete	Input File Name:	120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x

E. MULTI-FAMILY CENTRAL DHW SYSTEM DETAILS

This Section Does Not Apply

F. SOLAR HOT WATER HEATING SUMMARY (Adapted from NRCC-STH-01)

This Section Does Not Apply

G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS (Adapted from 2016-NRCC-MCH-01-E)

Declaration of Required Acceptance Certificates (NRCA) - Acceptance Certificates that may be submitted. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description	MCH-02A	MCH-03A	MCH-04A	MCH-05A	MCH-06A	MCH-07A	MCH-08A	MCH-09A	MCH-10A	MCH-11A	MCH-12A	MCH-13A	MCH-14A	MCH-15A	MCH-16A	MCH-17A	MCH-18A	Confirmed		
																		Pass	Fail	
Equipment Requiring Testing or Verification	# of units	Outdoor Air	Single Zone Unitary	Air Dist. Ducts	Economizer Controls	DCV	Supply Fan VAV	Value Package	Supply Water Temp. Reset	Hot Water Temp. Control	Auto Demand Shed Control	FID for DX Units	Auto FID for Air & DX AC	Dist. Energy Storage	TES Systems	Supply Air Temp. Reset	Condensate Water Reset Controls	ECMS	<input type="checkbox"/>	<input type="checkbox"/>
AC-1 to AC-5	5	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<input type="checkbox"/>	<input type="checkbox"/>

H. EVAPORATIVE COOLER SUMMARY

This Section Does Not Apply

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-06152018-5302 Report Generated at: 2018-06-23 19:53:38

Project Name:	120X40 (PC 04-116504) - Wall AC	NRCC-PRF-01-E	Page 19 of 19
Project Address:	Climate Zone 14 Palmdale	Calculation Date/Time:	19:52, Sat, Jun 23, 2018
Compliance Scope:	NewComplete	Input File Name:	120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x

H. INDOOR & OUTDOOR LIGHTING ACCEPTANCE TESTS & FORMS (Adapted from NRCC-LTI-01-E and NRCC-LTO-01-E)

Declaration of Required Acceptance Certificates (NRCA) - Acceptance Certificates that must be verified in the field. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description	# of units	Indoor				Outdoor		Confirmed	
		NRCA-LTI-02-A	NRCA-LTI-03-A	NRCA-LTI-04-A	NRCA-LTO-02-A	Pass	Fail		
Equipment Requiring Testing or Verification		Occ Sensors / Auto Time Switch	Auto Daylight	Demand Responsive	Outdoor Controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occupant Sensors	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic Time Switch	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic Daylighting	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demand Responsive	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outdoor Controls	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Project Name:	120X40 (PC 04-116504) - Wall AC	NRCC-PRF-01-E	Page 17 of 19
Project Address:	Climate Zone 14 Palmdale	Calculation Date/Time:	19:52, Sat, Jun 23, 2018
Compliance Scope:	NewComplete	Input File Name:	120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x

NRCC-PRF-LTI-DETAILS - SECTION START-

A. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRCC-LTI-02-E)								§ 140.6		Confirmed	
Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per §140.6(a)(2) and Table 140.6-A)				Control Credit Calculation				Y If Acceptance Test Required	Pass	Fail	
Location in Building	Occupancy Type (must meet requirements of Table 140.6-A)	Type/Description of Lighting Control (i.e., partial on occupancy sensor, manual dimming, etc.)	# of Units	Watts of Controlled Lighting	Power Adjustment Factor	Control Credit Watts					
S-1-First Floor	Classrooms, Lecture, Training, Vocational Areas	- none specified -	1		0.00	0	<input type="checkbox"/>	<input type="checkbox"/>			

B. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS (Adapted from NRCC-LTI-02-E)

This Section Does Not Apply

C. TAILORED METHOD CONDITIONED LIGHTING POWER ALLOWANCE SUMMARY AND CHECKLIST (Adapted from NRCC-LTI-04-E)

General lighting power (see Table D)				Total watts	
General lighting power from special function areas (see Table E)		0		0	
Additional "use it or lose it" (see Table G)		0		0	

D. GENERAL LIGHTING POWER (Adapted from NRCC-LTI-04-E)

This Section Does Not Apply

E. GENERAL LIGHTING FROM SPECIAL FUNCTION AREAS (Adapted from NRCC-LTI-04-E)

Room Number	Primary Function Area	Illuminance Value (LUX)	Room Cavity Ratio (Table G)	Allowed LPD	Floor Area (ft²)	Allowed Watts	Confirmed	
							Pass	Fail
NA	NA	NA	NA	NA	NA	NA	<input type="checkbox"/>	<input type="checkbox"/>

Note: Tailored Method for Special Function Areas is not currently implemented

CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-06152018-5302 Report Generated at: 2018-06-23 19:53:38

Project Name:	120X40 (PC 04-116504) - Wall AC	NRCC-PRF-01-E	Page 18 of 19
Project Address:	Climate Zone 14 Palmdale	Calculation Date/Time:	19:52, Sat, Jun 23, 2018
Compliance Scope:	NewComplete	Input File Name:	120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x

F. ROOM CAVITY RATIO (Adapted from NRCC-LTI-04-E)

Rectangular Spaces							Confirmed	
Room Number	Task/Activity Description	Room Length (ft)	Room Width (ft)	Room Cavity Height (ft)	RCR	Pass	Fail	
NA	NA	NA	NA	NA	NA	<input type="checkbox"/>	<input type="checkbox"/>	

Non-Rectangular Spaces

This Section Does Not Apply

G. ADDITIONAL "USE IT OR LOSE IT" (Adapted from NRCC-LTI-04-E)

1.	2.	3.	4.	Allowed Watts	Confirmed	
Wall Display	Combined Floor Display and Task Lighting	Combined Ornamental and Special Effects Lighting	Very Valuable Merchandise		Pass	Fail
0	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

5. Wall Display

This Section Does Not Apply

6. Floor Display and Task Lighting

This Section Does Not Apply

7. Combined Ornamental and Special Effects Lighting

This Section Does Not Apply

8. Very Valuable Merchandise

This Section Does Not Apply

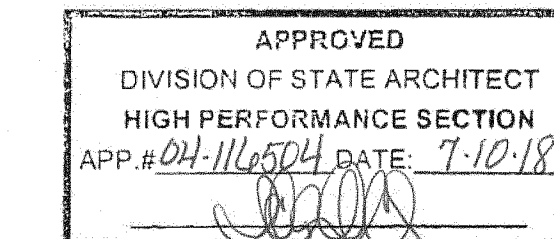
CA Building Energy Efficiency Standards- 2016 Nonresidential Compliance Report Version: NRCC-PRF-01-E-06152018-5302 Report Generated at: 2018-06-23 19:53:38

Project Name:	120X40 (PC 04-116504) - Wall AC	NRCC-PRF-01-E	Page 19 of 19
Project Address:	Climate Zone 14 Palmdale	Calculation Date/Time:	19:52, Sat, Jun 23, 2018
Compliance Scope:	NewComplete	Input File Name:	120X40 PC - CZ14(Wall AC)R75RSPV.cibd16x

H. INDOOR & OUTDOOR LIGHTING ACCEPTANCE TESTS & FORMS (Adapted from NRCC-LTI-01-E and NRCC-LTO-01-E)

Declaration of Required Acceptance Certificates (NRCA) - Acceptance Certificates that must be verified in the field. (Retain copies and verify forms are completed and signed to post in field for Field Inspector to verify).

Test Description	# of units	Indoor				Outdoor		Confirmed	
		NRCA-LTI-02-A	NRCA-LTI-03-A	NRCA-LTI-04-A	NRCA-LTO-02-A	Pass	Fail		
Equipment Requiring Testing or Verification		Occ Sensors / Auto Time Switch	Auto Daylight	Demand Responsive	Outdoor Controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Occupant Sensors	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic Time Switch	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Automatic Daylighting	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Demand Responsive	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Outdoor Controls	0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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PROFESSIONAL STAMP
MANUEL D. TAVARES
REGISTERED PROFESSIONAL ARCHITECT
NO. 22380
STATE OF CALIFORNIA
12/19/2017

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CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
FINE NUMBER: PC-128
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116504 INCR: 0
AC_RM_FLS_EA_SSR_KER
DATE 07/19/2018

PROJECT TITLE
24' x 40' EXPANDABLE TO 120' x 40'
PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 119164
AC_S_FLS_H_S
DATE MAR 17 2018

#	Description	Date
	Revision Schedule	

SHEET TITLE
120'x40' T24 CZ 16 (WALL AC)

PROJECT NUMBER
17016A
DRAWN BY
rMc/SC
CHECKED BY
JA/RT
DATE
07/05/2018
SHEET NO.
M2.3
SHEET OF SHEETS

ENVELOPE MANDATORY MEASURES: NONRESIDENTIAL		ENV-MM
Project Name 120X40 (PC 04-116504) - Wall AC	Date 6/23/2018	
DESCRIPTION		
Building Envelope Measures:		
§110.8(a):	Installed insulating material shall have been certified by the manufacturer to comply with the California Quality Standards for insulating material, Title 20 Chapter 4, Article 3.	
§110.8(c):	All Insulating Materials shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2602 and 707 of Title 24, Part 2.	
§110.8(g):	Heated slab floors shall be insulated according to the requirements in Table 110.8-A.	
§110.7(a):	All Exterior Joints and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.	
§110.6(a):	Manufactured fenestration products and exterior doors shall have air infiltration rates not exceeding 0.3 cfm/ft. ² of window area, 0.3 cfm/ft. ² of door area for residential doors, 0.3 cfm/ft. ² of door area for nonresidential single doors (swinging and sliding), and 1.0 cfm/ft. ² for nonresidential double doors (swinging).	
§110.6(a):	Fenestration U-factor shall be rated in accordance with NFRC 100, or the applicable default U-factor.	
§110.6(a):	Fenestration SHGC shall be rated in accordance with NFRC 200, or NFRC 100 for site-built fenestration, or the applicable default SHGC.	
§110.6(b):	Site Constructed Doors, Windows and Skylights shall be caulked between the unit and the building, and shall be weatherstripped (except for unframed glass doors and fire doors).	
§120.7(a):	The opaque portions of the roof/ceiling that separates conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-Factor requirements as follows: Metal Building- The weighted average U-factor of the roof assembly shall not exceed 0.098. Wood Framed and Others- The weighted average U-factor of the roof assembly shall not exceed 0.075. The opaque portions of walls that separate conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-factor as follows: Metal Building- The weighted average U-factor of the wall assembly shall not exceed 0.113. Metal Framed- The weighted average U-factor of the wall assembly shall not exceed 0.151. Light Mass Walls- A 6 inch or greater Hollow Core Concrete Masonry Unit shall have a U-factor not to exceed 0.440. Heavy Mass Walls- An 8 inch or greater Hollow Core Concrete Masonry Unit shall have a U-factor not to exceed 0.690. Wood Framed and Others- The weighted average U-factor of the wall assembly shall not exceed 0.110. Spandrel Panels and Opaque Curtain Wall- The weighted average U-factor of the spandrel panels and opaque curtain wall assembly shall not exceed 0.280. Demising Walls- The opaque portions of framed demising walls shall meet the requirements of Item A or B below: A. Wood framed walls shall be insulated to meet a U-factor not greater than 0.099. B. Metal Framed walls shall be insulated to meet a U-factor not greater than 0.151.	
§120.7(c):	The opaque portions of floors and soffits that separate conditioned spaces from unconditioned spaces or ambient air shall meet the applicable U-Factor requirements as follows: Raised Mass Floors- Shall have a minimum of 3 inches of lightweight concrete over a metal deck or the weighted average U-factor of the floor assembly shall not exceed 0.269. Other Floors- The weighted average U-factor of the floor assembly shall not exceed 0.071.	

Mandatory Measures: The following notes (items) represent the Mandatory Measures for all buildings.

Heat pumps with supplementary electric resistance heaters shall have controls:

- 1) That prevent supplementary heater operation when the heating load can be met by the heat pump alone; and
- 2) In which the cut-on temperature for compression heating is higher than the cut-on temperature for supplementary heating, and the cut-off temperature for compression heating is higher than the cut-off temperature for supplementary heating.

Sec. 110.2 (b)

The minimum rate of outdoor air required per Section 120.1 (b) 2 shall be supplied to each space at all time the space is usually occupied.

Sec. 120.1 (c) 3

The Lesser of the minimum rate of outdoor air required by Sec. 120.1 (b) 2, or three complete air changes shall be supplied to the entire building during the one-hour period immediately before the building is normally occupied.

Sec. 120.1 (c) 2

Hotel/Motel Guest Room Thermostats shall have numeric temperature set points in degrees F; and set point stops accessible only to authorized personnel, to restrict over-heating and over-cooling.

Sec. 120.2 (c)

All air distribution system ducts and plenums, including, but not limited to, building cavities, mechanical closets, air-handler boxes and support platforms used as ducts or plenums, shall be installed, sealed and insulated to meet the requirements of chapter 6 of the 2001 CMC. Supply-air and return-air ducts conveying heated or cooled air shall be insulated to a minimum installed level of R-8, unless ducts are in conditioned space.

Sec. 120.4 (a)

The thermostatic controls for HVAC systems shall meet the following requirements as applicable:

- a) Each space conditioning zone shall be controlled by an individual thermostatic control that responds to temperature within the zone and meets the applicable requirements of Subsection (b).
 - 1) Comfort heating down to 55°F or lower.
 - 2) Comfort Cooling up to 85°F or higher.
 - 3) Both heating and cooling, the thermostatic controls shall be capable of providing a temperature range or dead band of at least 5°F within which the supply of heating and cooling energy to the zone is shut off or reduced to a minimum.

Sec. 120.2 (a) & (b)

- 1) Outdoor air supply and exhaust equipment shall be installed with dampers that automatically close upon fan shutdown.

Sec. 120.2 (f)

- 2) Demand Control Ventilation Devices (CO2 sensors) shall be installed in accordance with Sec. 120.1 (c) 4.

Sec. 120.1 (c) 4

- 3) Each space-conditioning system shall be installed with controls that comply with Items 1 and 2 below:

- 1) Are capable of automatically shutting off the system during periods of non-use and shall have:
 - a) An automatic time switch control device complying with Sec. 119(c), with an accessible manual override that allows operation of the system for up to 4 hours; or
 - b) An occupancy sensor; or
 - c) A four-hour timer that can be manually operated.
 - d) EXCEPTION: Mechanical systems serving retail stores and associated malls, restaurants, grocery stores, churches, and theaters equipped with 7-day programmable timers.

- 2) Automatically restart and temporarily operate the system as required to maintain:
 - a) A setback heating thermostat set point, if the system provides mechanical heating; and
EXCEPTION: Area with the design winter outdoor temperature of greater than 32°F.
 - b) A setup cooling thermostat set point, if the system provides mechanical cooling.

EXCEPTION: Area with the design summer outdoor temperature of less than 100°F.
EXCEPTION: Systems serving hotel/motel guest rooms, if they have a readily accessible manual shut-off switch.

Sec. 120.2 (e)

- 4) The piping for all space conditioning and service water heating systems shall be insulated in accordance with TABLE 123-A.

Sec. 120.3

- 5) Service water heating systems and equipment shall meet the applicable requirements of the Appliance Efficiency Regulations as required by Sec. 110.1.

Sec. 110.3 (b)

- 6) Service hot water systems with circulating pumps or with electrical heat trace systems shall be capable of automatically turning off the system.

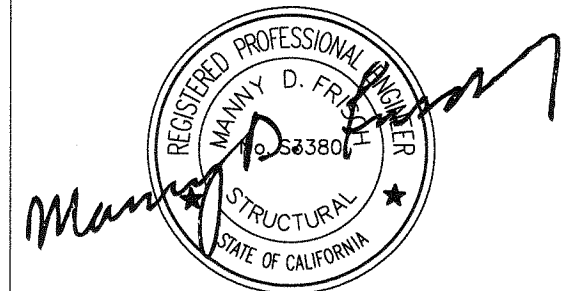
Sec. 110.3 (c) 2

- 7) Lavatories in public restrooms shall have controls that limit the water supply temperature to 110°F.

Sec. 110.3 (c) 3



PROFESSIONAL STAMP



12/19/2017

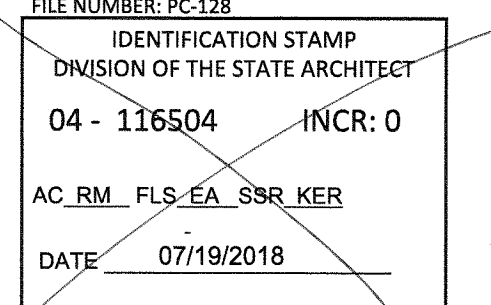
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CLIENT



1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
FILE NUMBER: PC-128

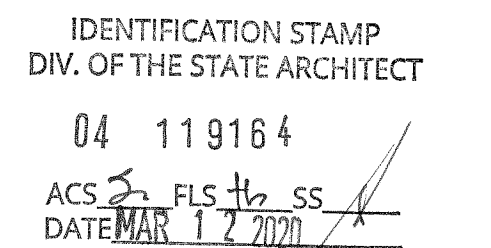


PROJECT TITLE

24' x 40'
EXPANDABLE TO
120' x 40'

PRE-CHECK (PC) DOCUMENT
Code: [2016] CBC
A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date

SHEET TITLE

120'x40' T24 CZ 16
(WALL AC)

PROJECT NUMBER

17016A

DRAWN BY

rMc/SC

CHECKED BY

JA/RT

DATE

07/05/2018

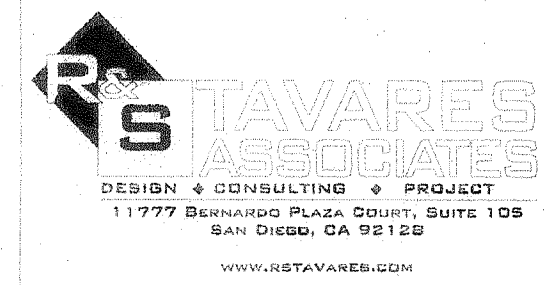
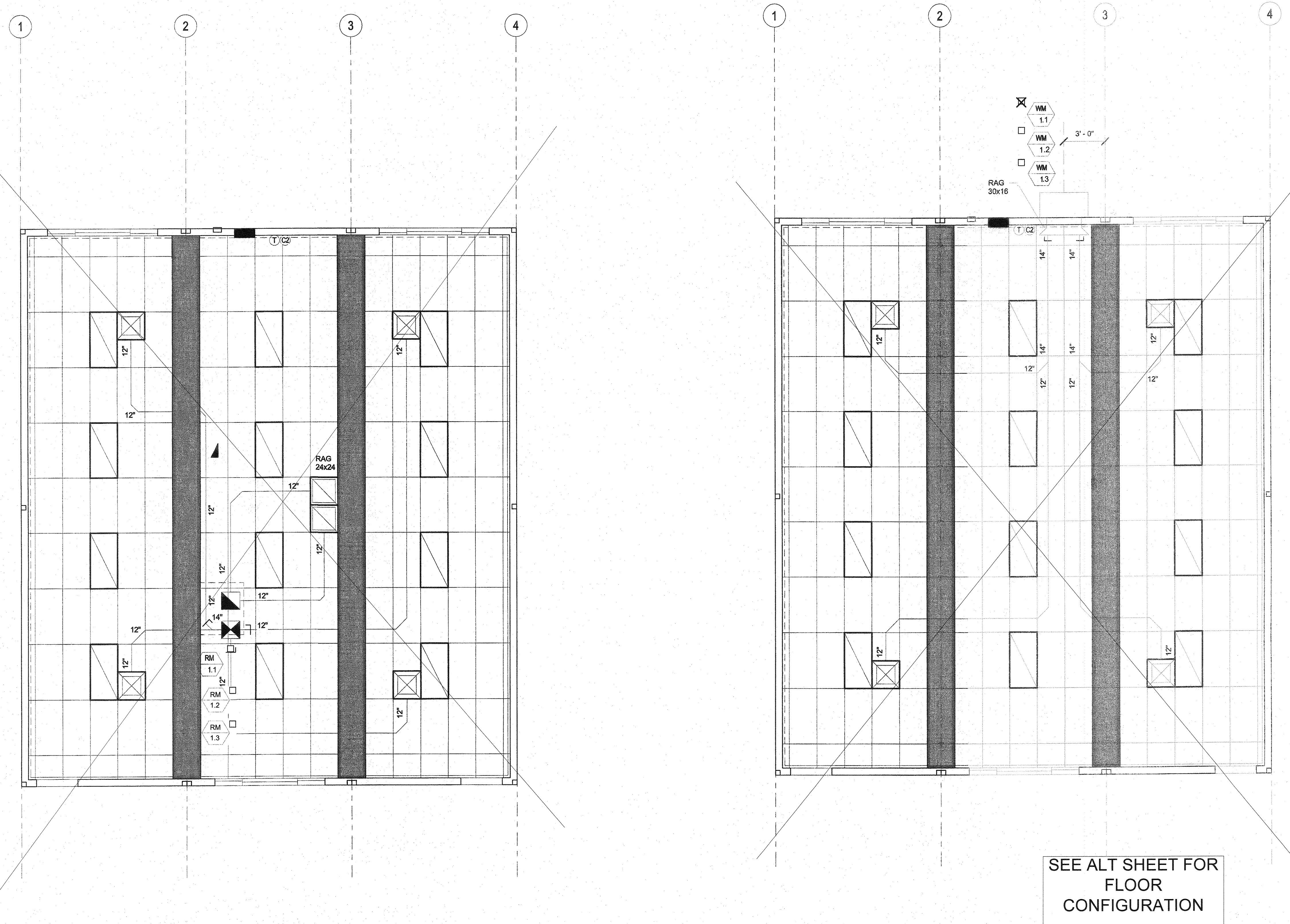
SHEET NO.

M2.4

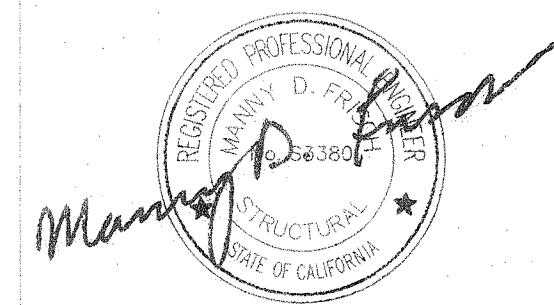
SHEET OF SHEETS

GENERAL NOTES:

- 1- DUCTWORK SHALL HAVE R-8 INSULATION.
- 2- PER 2016 CALIFORNIA MECHANICAL CODE (CMC) SECTION 603.4.1 AND SECTION 603.5 FACTORY-MADE FLEXIBLE AIR DUCTS AND CONNECTORS SHALL BE MORE THAN FIVE (5) FEET IN LENGTH AND SHALL BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS.

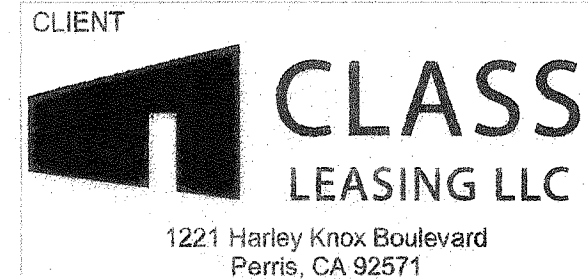


PROFESSIONAL STAMP

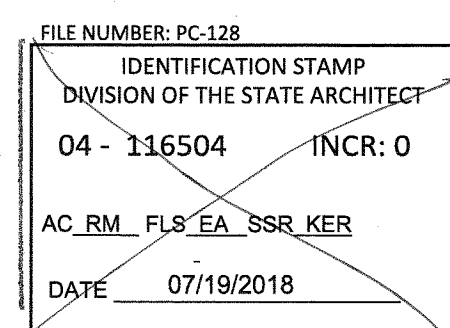


12/19/2017

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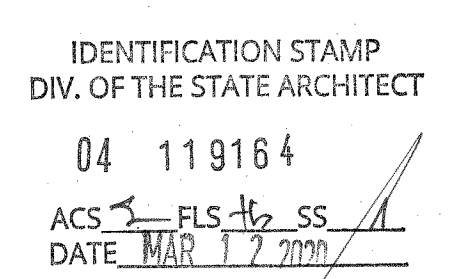
ORIGINAL PC STATE AGENCY APPROVAL



PROJECT TITLE
24' x 40'
EXPANDABLE TO
120' x 40'

PRE-CHECK (PC) DOCUMENT
Code: [2016] CBC
A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule		
#	Description	Date

SHEET TITLE
MECHANICAL
CEILING PLAN
36x40

PROJECT NUMBER
17016A

DRAWN BY
rMc/SC

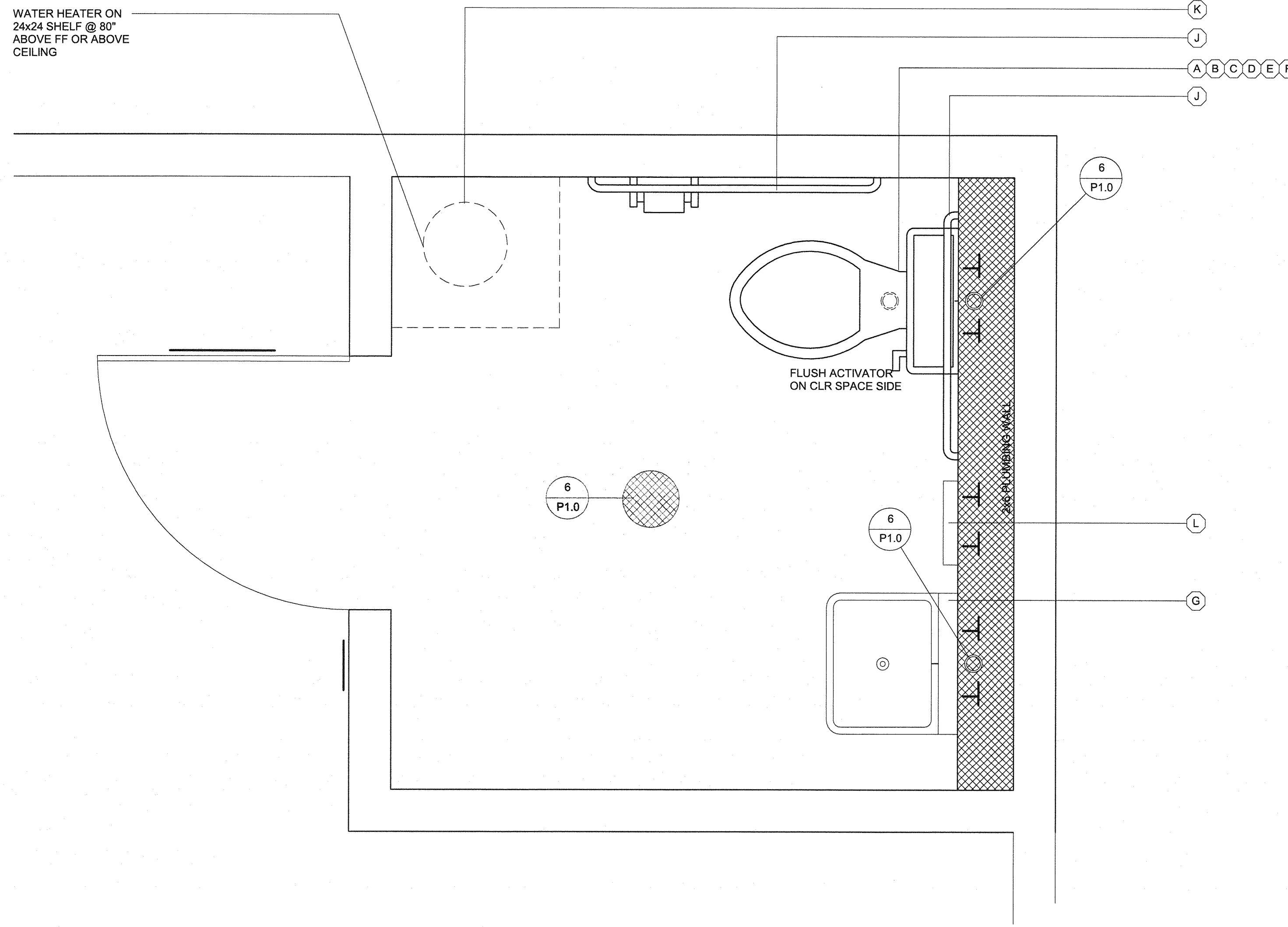
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JA/RT

DATE
2017/06/05

SHEET NO.
M6.1

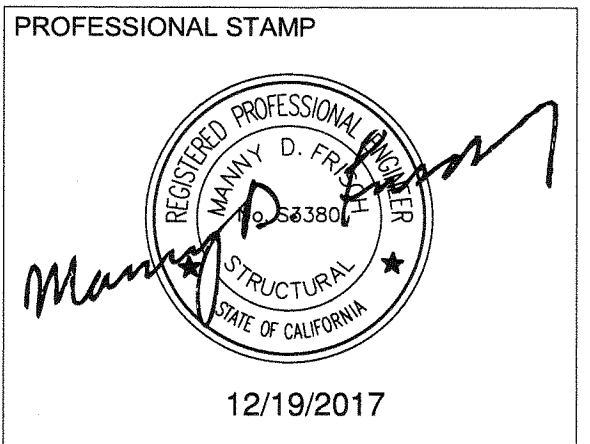
SHEET OF SHEETS

WATER HEATER ON
24x24 SHELF @ 80"
ABOVE FF OR ABOVE
CEILING

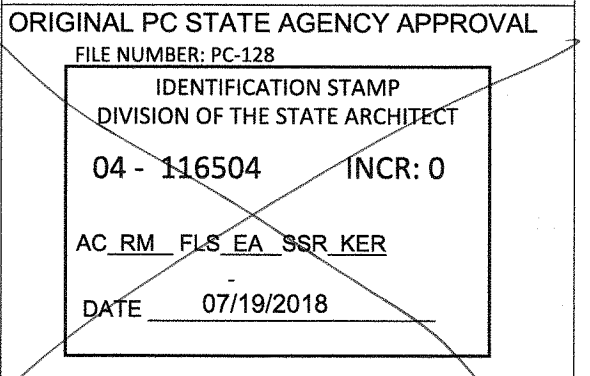


PLUMBING FIXTURE SCHEDULE						
SYMBOL	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	FIXTURE DESCRIPTION (AS CALLED OUT OR APPROVED EQUAL)
(A)	[ADULT] WATER CLOSET TANK TYPE (ACCESSIBLE)	1/2"	-	3"	2"	STD: PROFLO ADA PF9403, (1.28 GPF) ALT: AMERICAN STANDARD ADA 2758.128, 17" HIGH, VITREOUS CHINA ELONGATED RIM, TANK TYPE; 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
(C)	[AGE 9 - 12] WATER CLOSET TANK TYPE (ACCESSIBLE)	1/2"	-	3"	2"	STD: PROFLO STANDARD PF9300, (1.28 GPF) ALT: AMERICAN STANDARD 2832.128, 16" HIGH, VITREOUS CHINA ELONGATED RIM, TANK TYPE; 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
(A)	[AGE 3 - 8] WATER CLOSET TANK TYPE (ACCESSIBLE & NON-ACCESSIBLE)	1/2"	-	3"	2"	STD: PROFLO PF17048B, (1.28 GPF) ALT: AMERICAN STANDARD 2315.016 BABY DEVORO 10" HIGH, 10" ROUGH-IN; VITREOUS CHINA ELONGATED RIM, TANK TYPE; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
(D)	[ADULT] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO ADA PF1723, (1.28 GPF) ALT: AMERICAN STANDARD ADA 3043.001 "MADERA" 16 3/4" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 10" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHMETER VALVE
(E)	[AGE 9 - 12] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD PF1721, (1.28 GPF) ALT: AMERICAN STANDARD 2234.001 "MADERA" 15" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHMETER VALVE
(F)	[AGE 3 - 8] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE & NON-ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO PF1700BB (1.28 GPF) ALT: AMERICAN STANDARD BABY DEVORO 2282.010 VITREOUS CHINA ELONGATED RIM, 10" ROUGH-IN LOW CONSUMPTION CLOSET BOWL; OLSONITE 128CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSH VALVE
(G)	LAV (ACCESSIBLE)	1/2"	-	2"	1 1/2"	STD: AMERICAN STANDARD 0355.012 LUCERNE ALT: CRANE 1412-20 "HARWICH" 20x18" VITREOUS CHINA JAY R SMITH #722 CONCEALED HANGER, VALLEY #NL80SIPS SINGLE HANDLE FAUCET (AMERICAN STANDARD 9141.011 TO BE USED FOR AGES 5-8) (0.5 GPM)
(H)	FLOOR DRAIN	-	-	2"	1 1/2"	JAY R SMITH #2005YA-02-P050-NB, FLOOR DRAIN TAPPED FOR PRIMER, 5" NICKEL BRONZE STRAINER w/ 1/2" MAX. STRAINER OPENINGS IN ALL DIRECTIONS
(I)	TRAP PRIMER	1/2"	-	-	-	PR-500 WITH 8"x12" LOCKABLE BOX, 1/2" BALL SHUT-OFF VALVE, AND PPP DU-U FRESH WATER DISTRIBUTION SYSTEM
(J)	GRAB BAR	-	-	-	-	BOBRICK B-6806-1-1/2 OC STAINLESS STEEL GRAB BAR - STAIN FINISH; 36" LONG ON BACK AND 42" ON SIDE
(K)	WATER HEATER	3/4"	3/4"	-	-	<input type="checkbox"/> A.O. SMITH #DEL-6 (6 GALLON) <input type="checkbox"/> A.O. SMITH #DEL-10 (10 GALLON)
(L)	*INSTANT WATER HEATER	1/2"	1/2"	-	-	EEMAX #SP3012, 120V, 3.0KW, 25A

GENERAL NOTE:
UTILITIES THAT SPAN BETWEEN UNITS OR ACROSS SEISMIC SEPARATION JOINTS MUST BE DESIGNED WITH A FLEXIBLE CONNECTION THAT CAN ACCOMMODATE DIFFERENTIAL MOVEMENTS

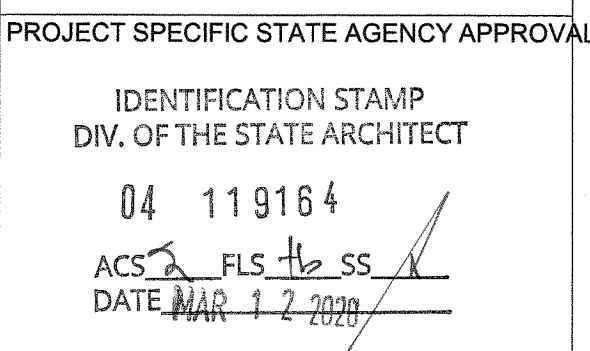


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PROJECT TITLE
**24' x 40'
EXPANDABLE TO
120' x 40'**

PRE-CHECK (PC) DOCUMENT
Code: | 2016 | CBC
A separate project application for construction is required.



Revision Schedule		
#	Description	Date

SHEET TITLE
TYPICAL PLUMBING DETAILS

PROJECT NUMBER
17016A

DRAWN BY
rMc/SC

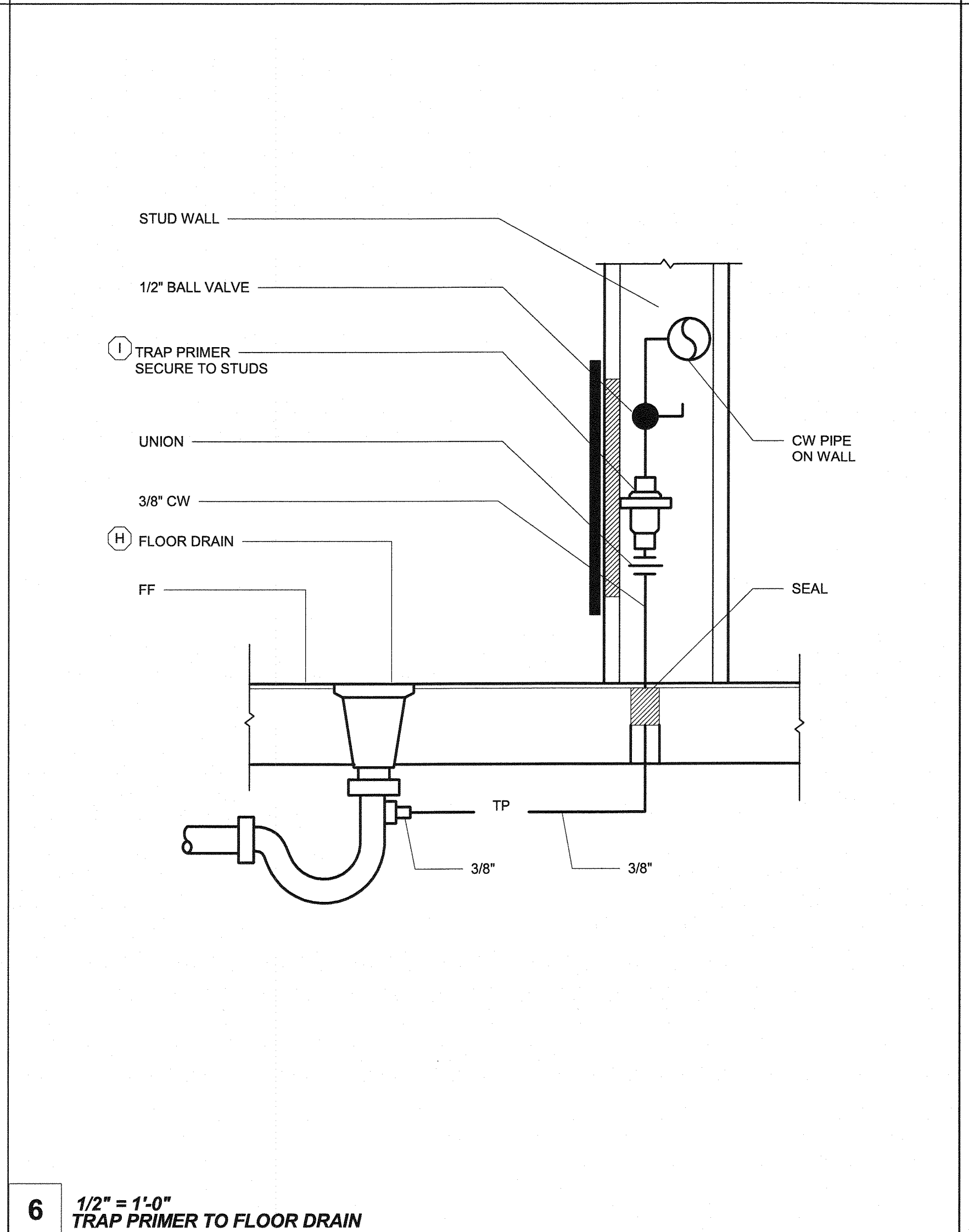
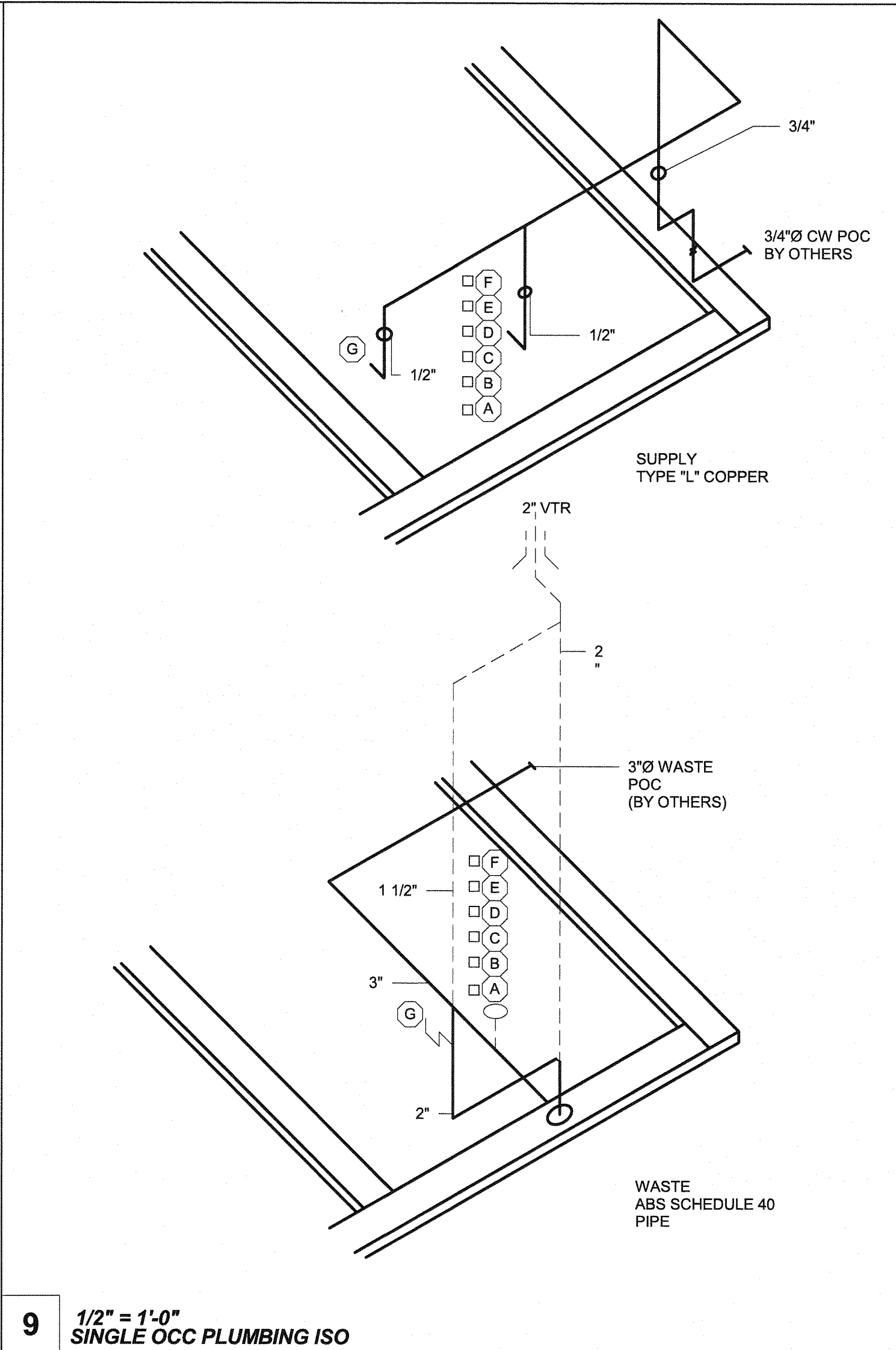
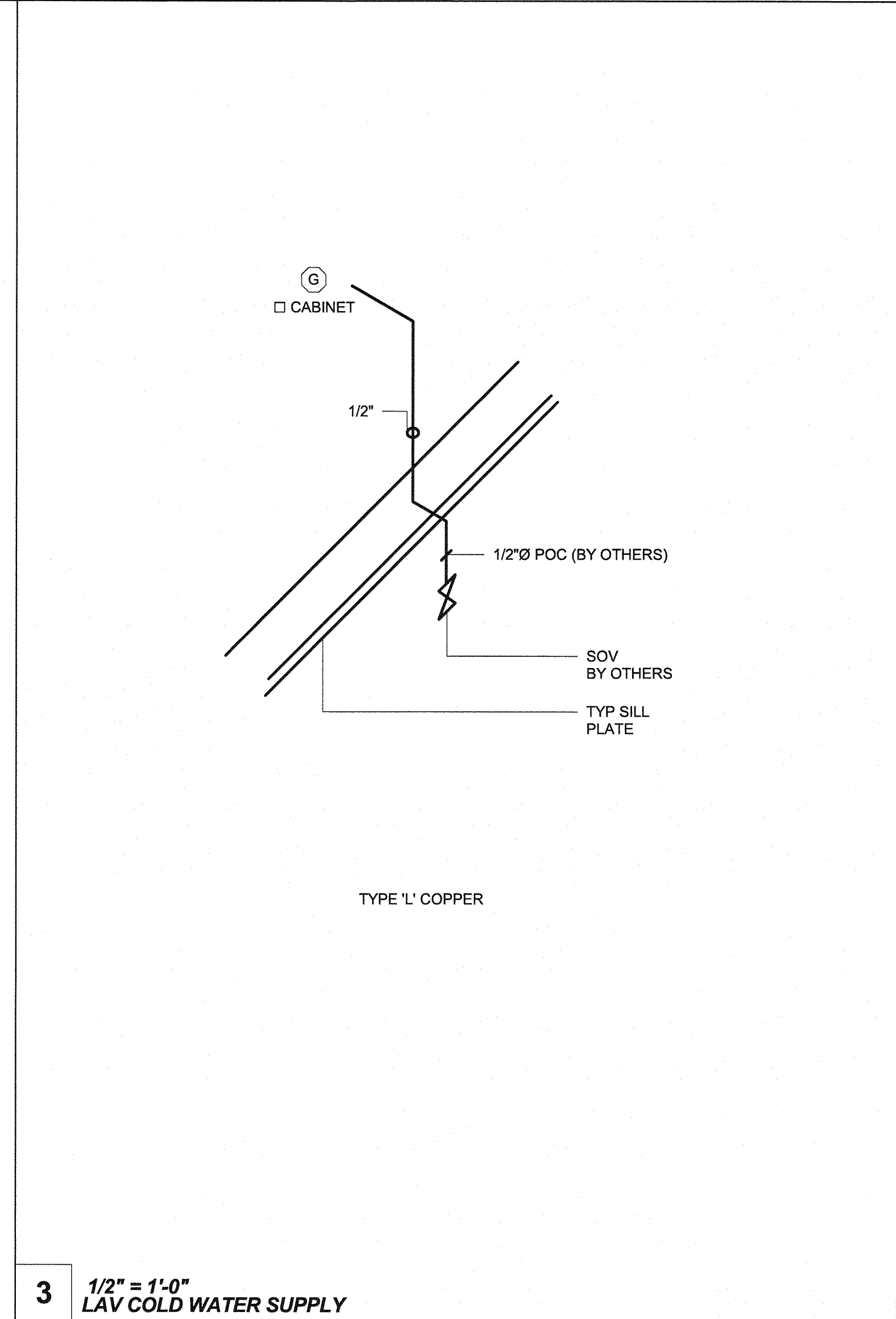
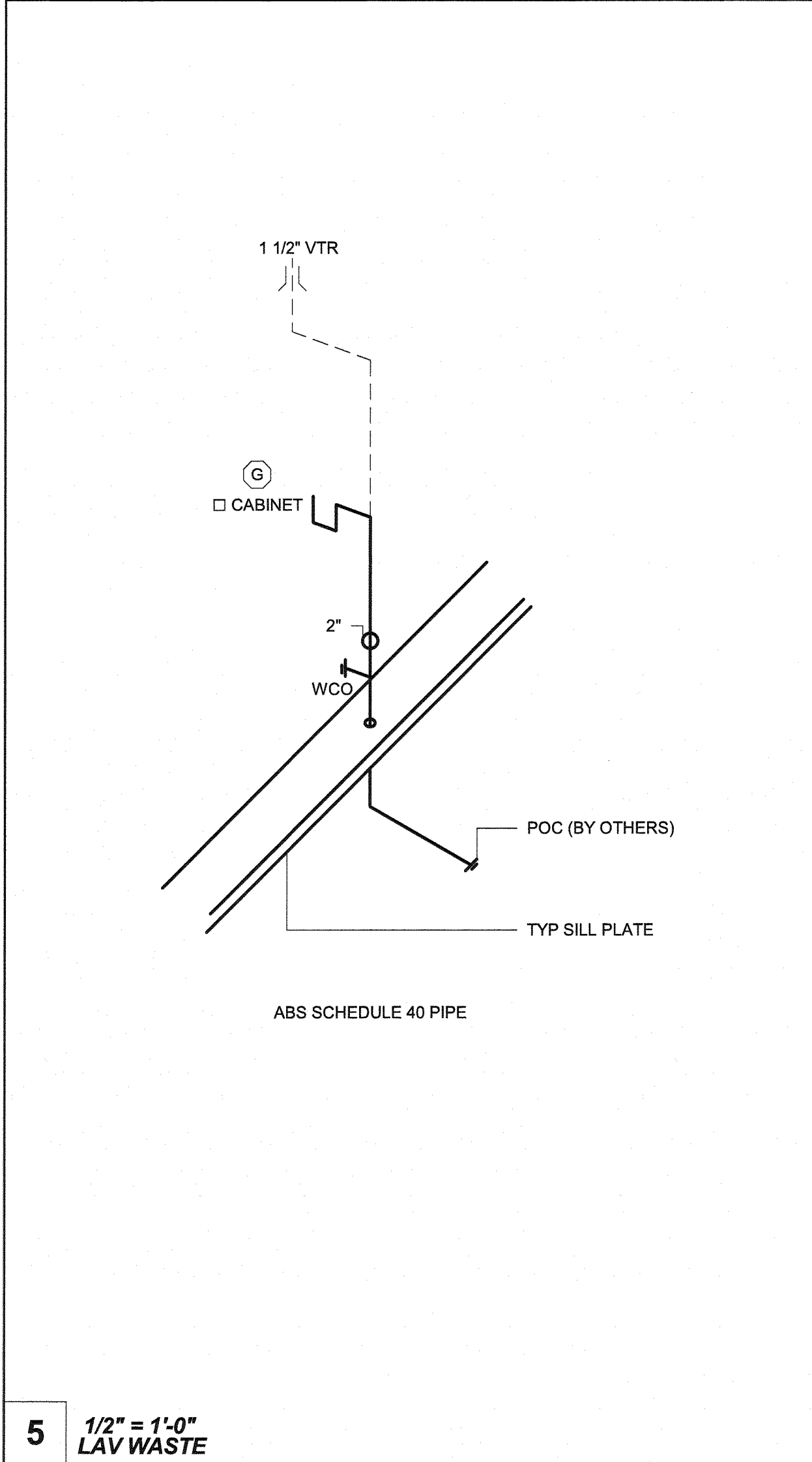
CHECKED BY
JA/RT

DATE
2017/06/05

SHEET NO.
P1.0

SHEET OF SHEETS

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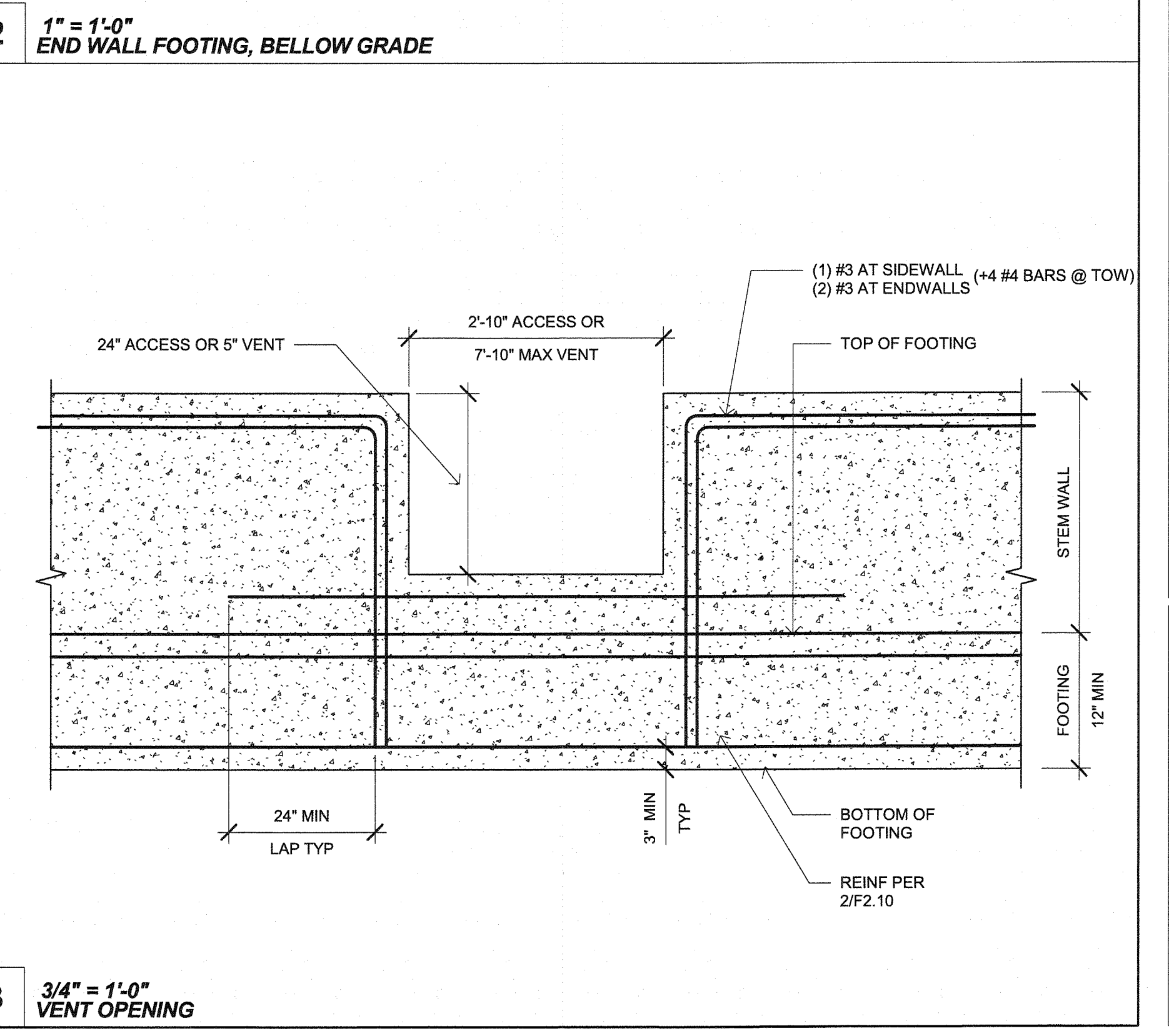
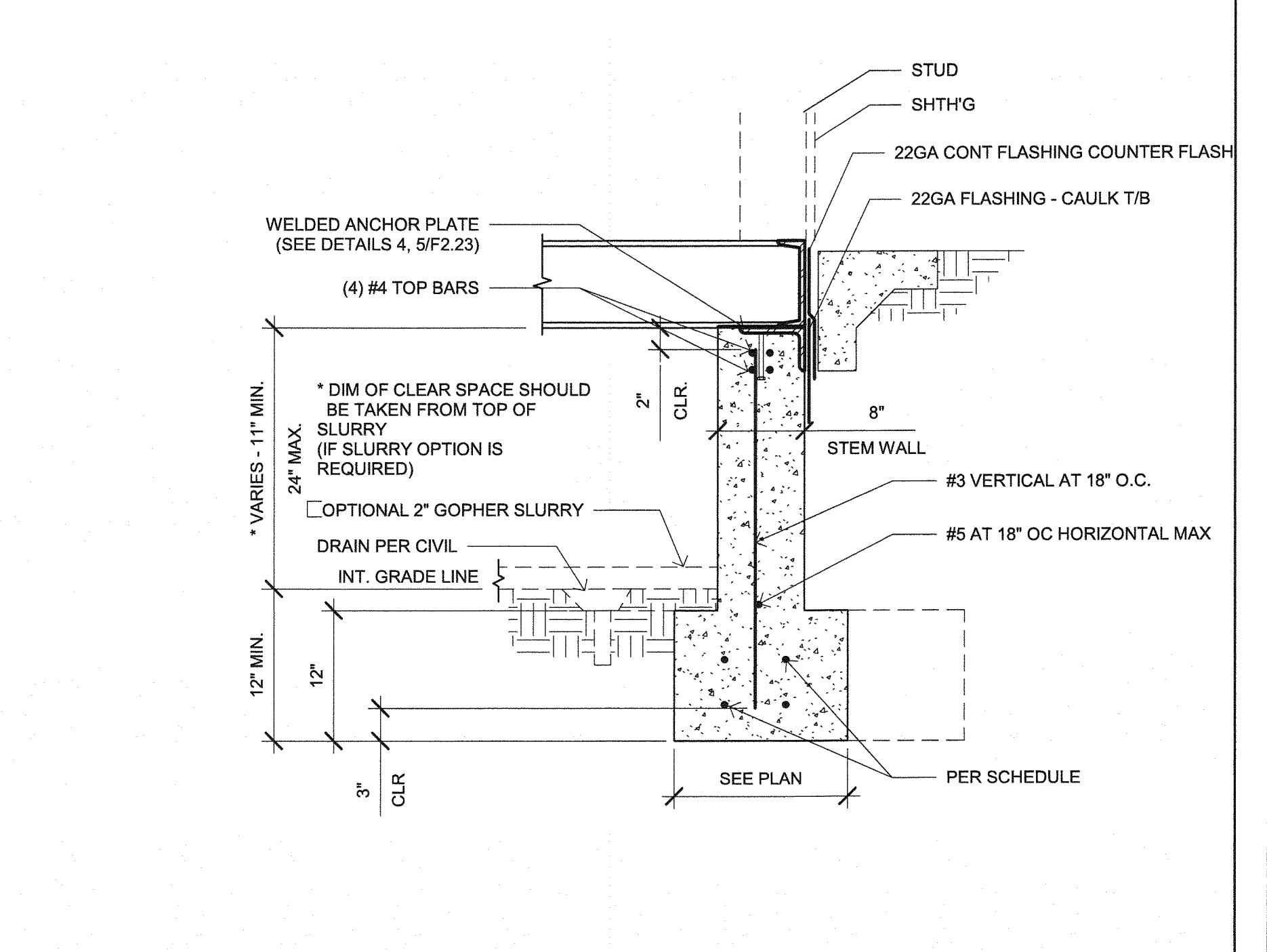
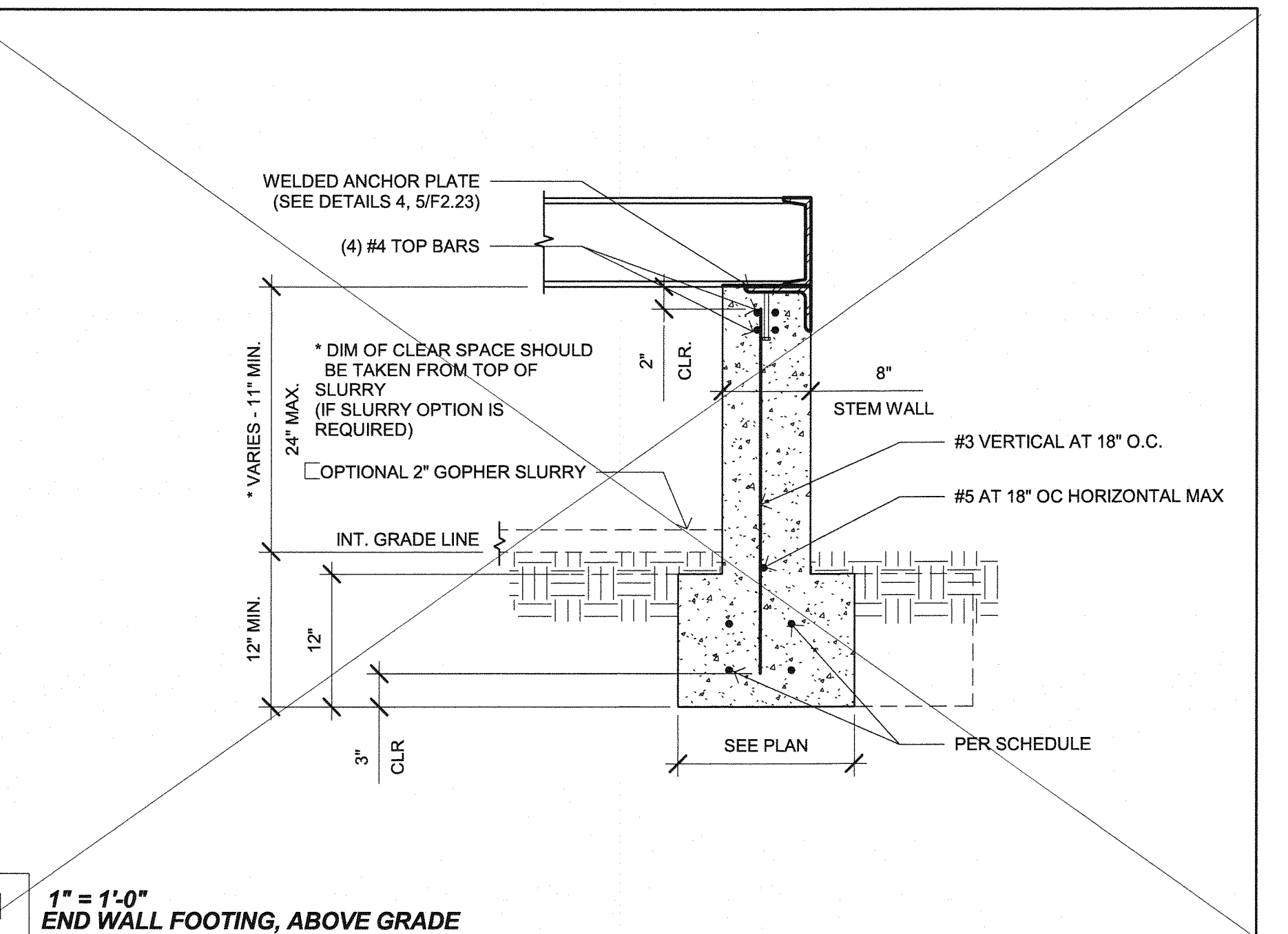
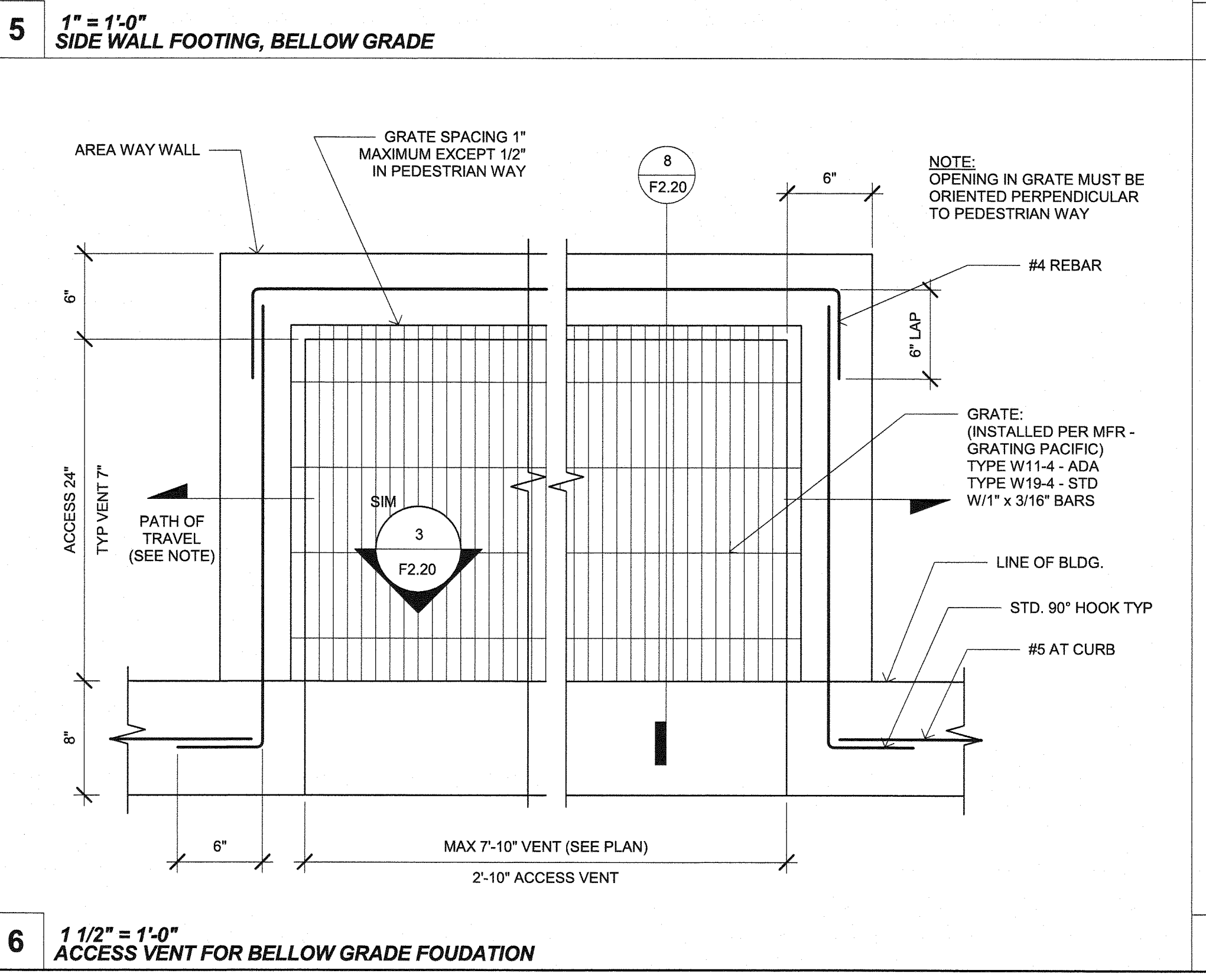
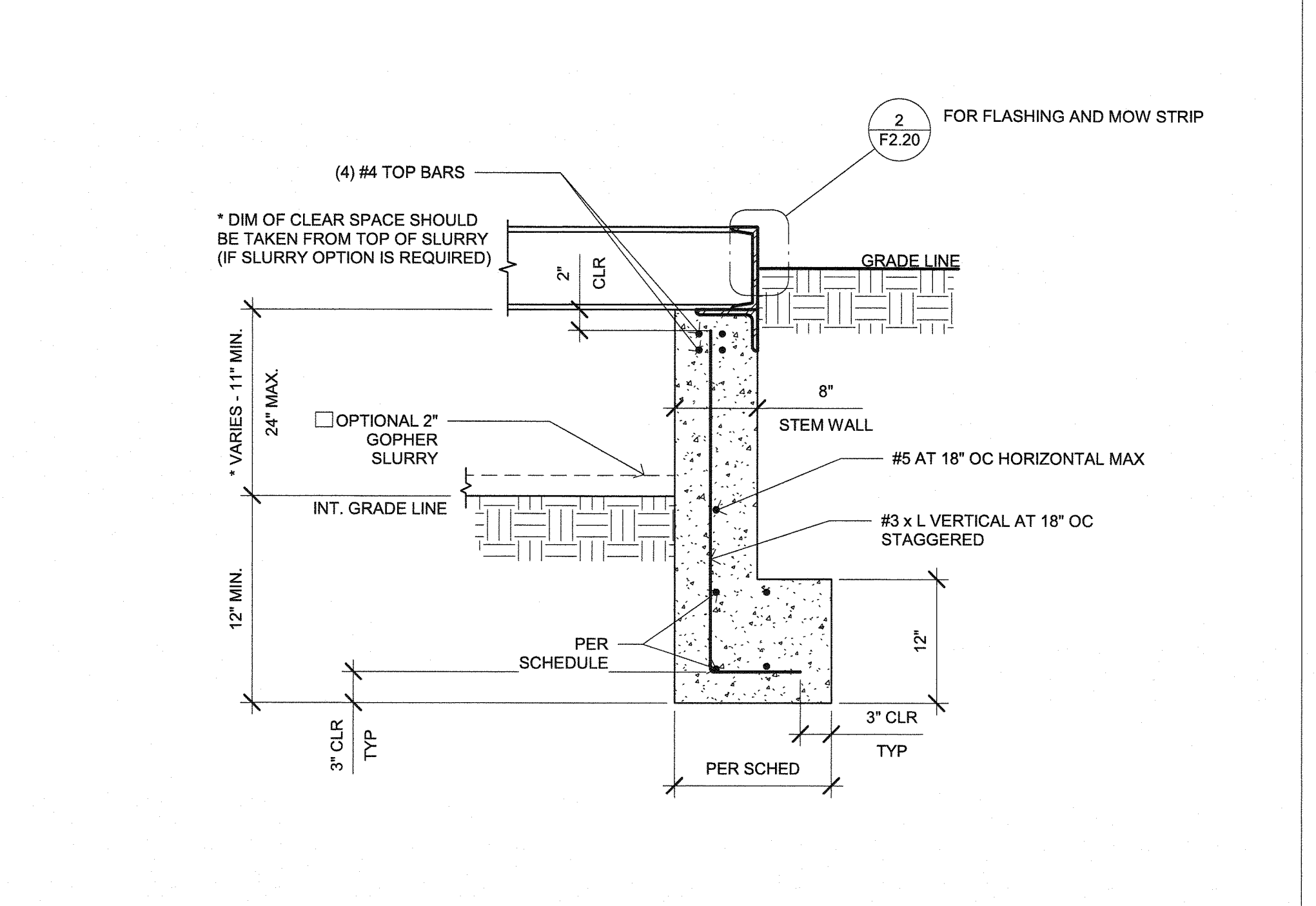
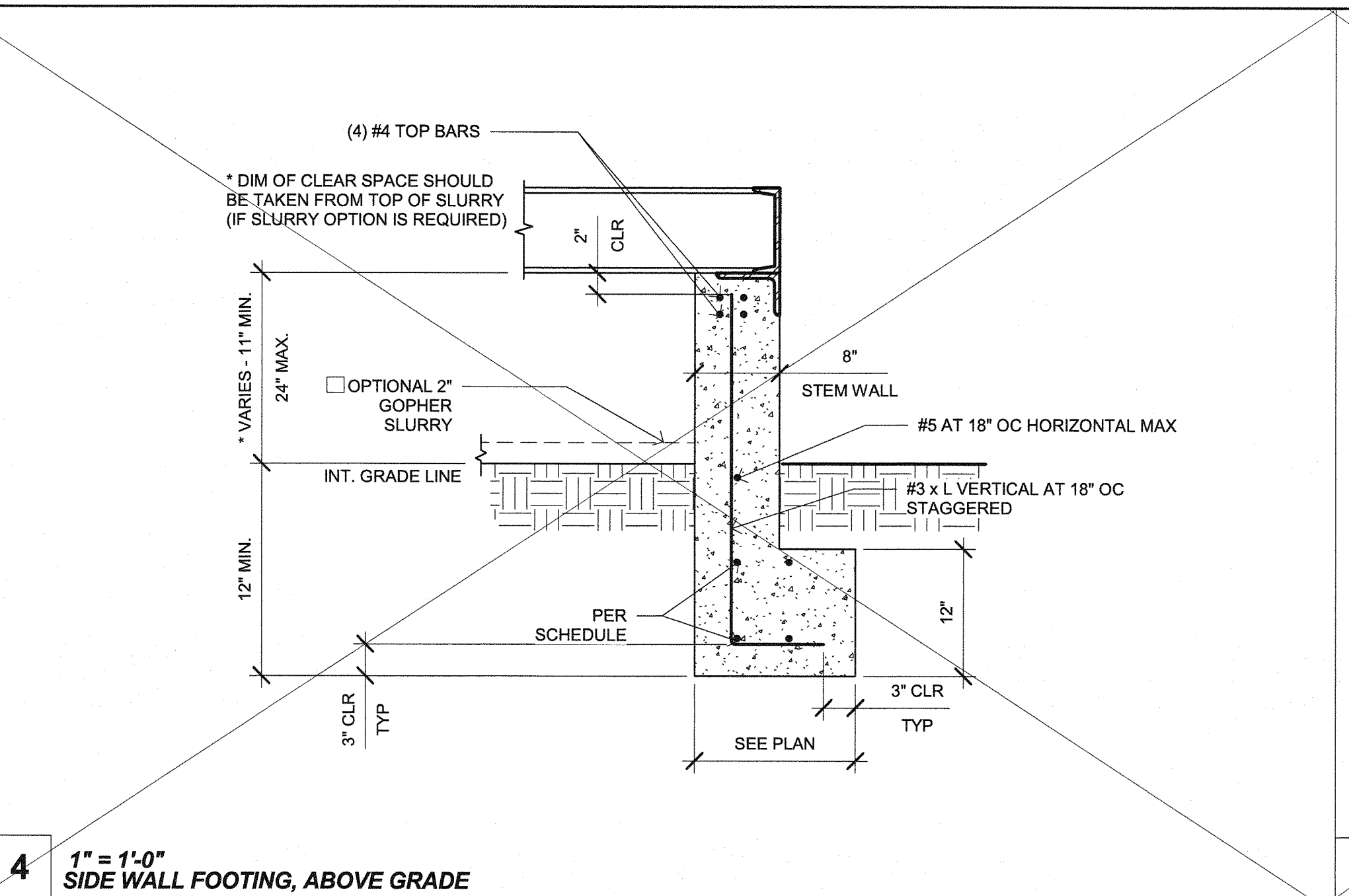
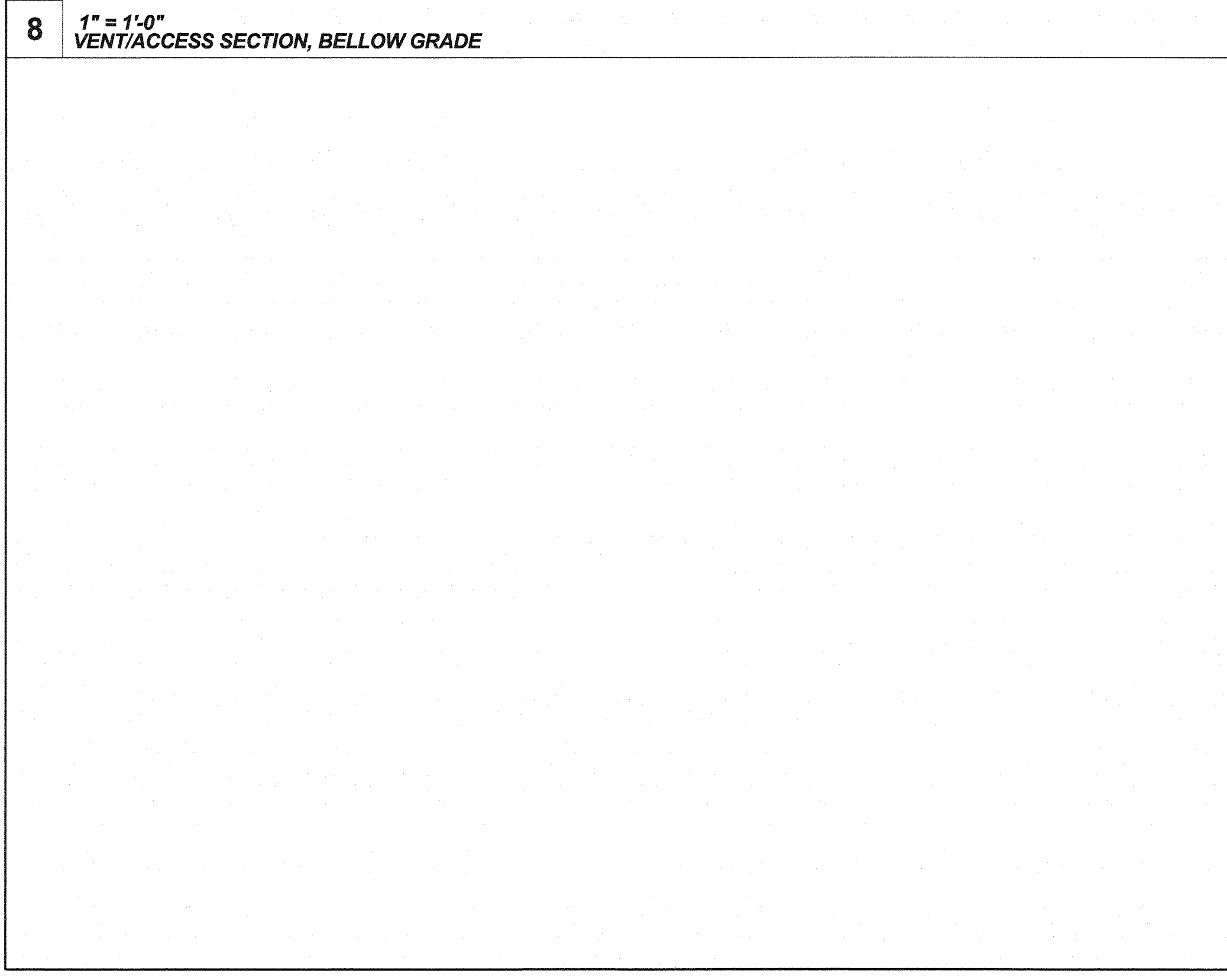
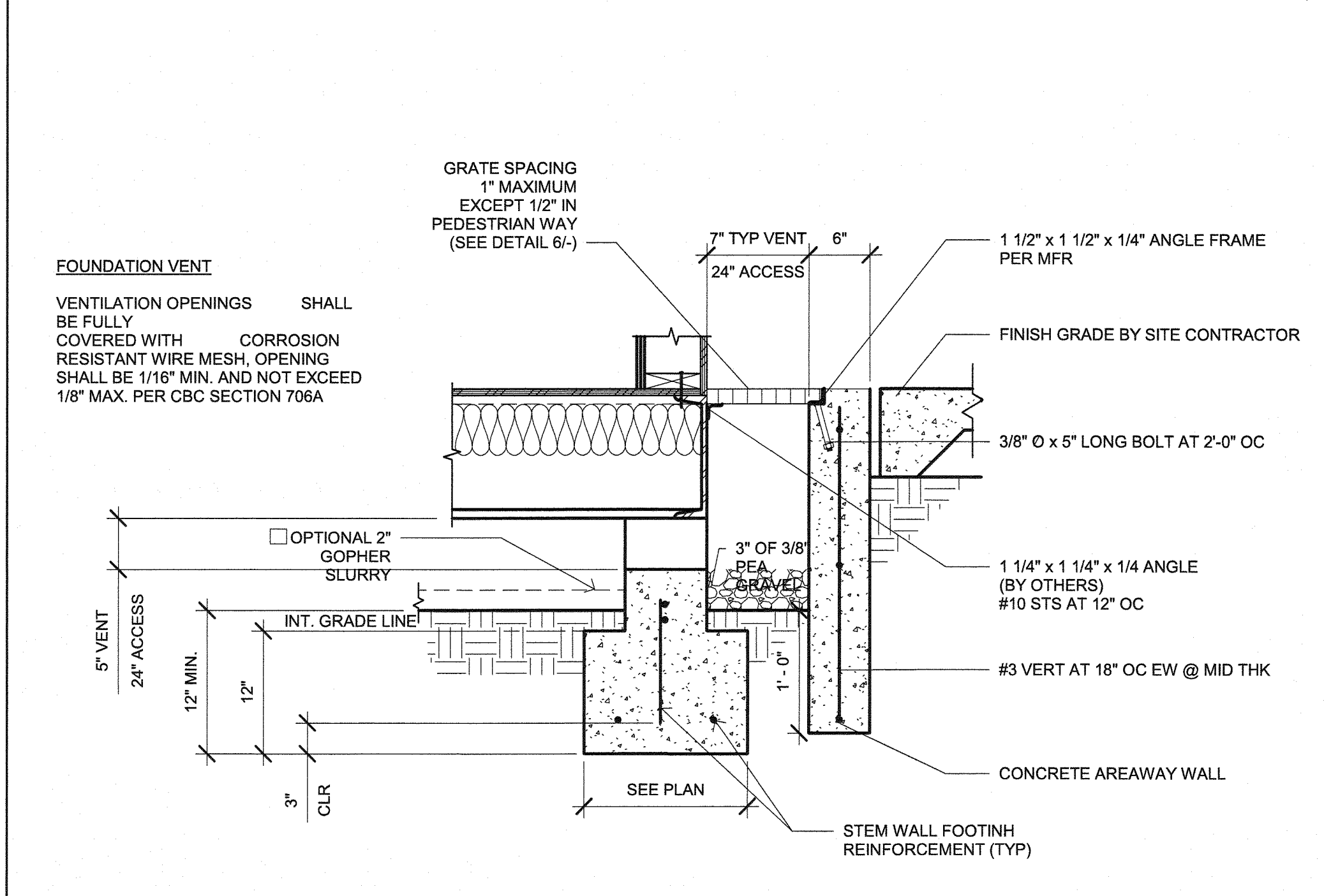
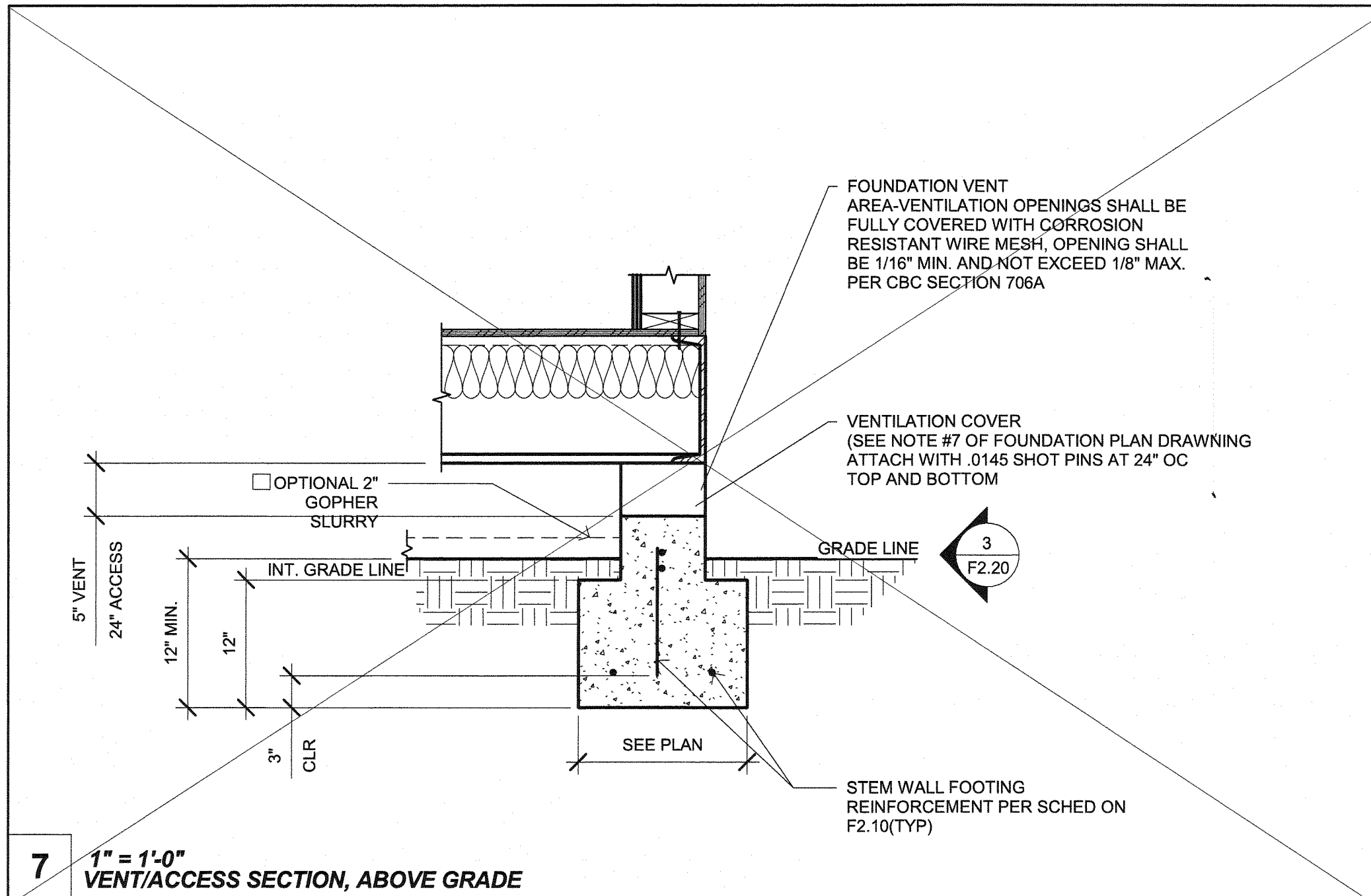


5 1/2" = 1'-0" LAV WASTE

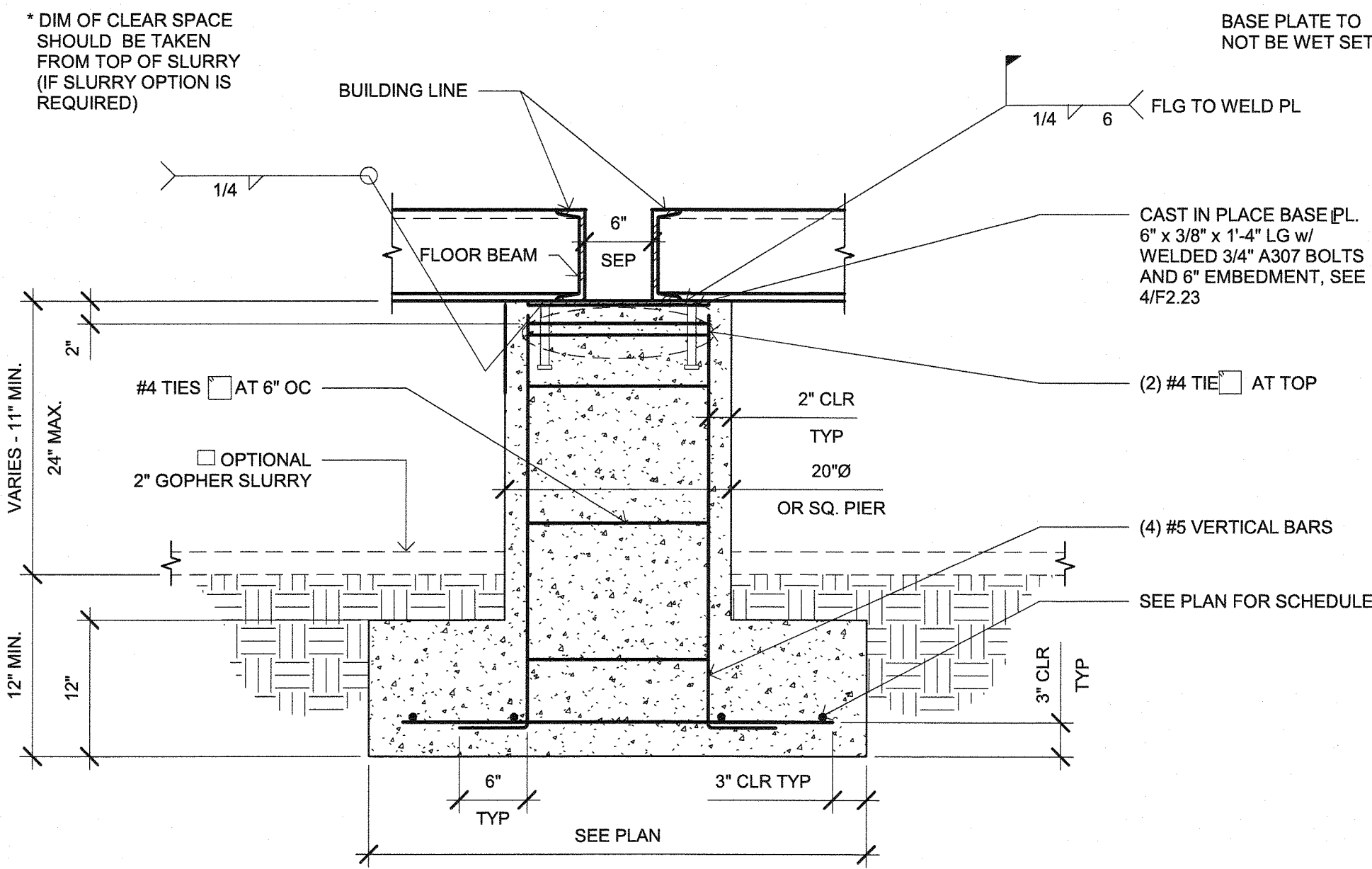
3 1/2" = 1'-0" LAV COLD WATER SUPPLY

9 1/2" = 1'-0" SINGLE OCC PLUMBING ISO

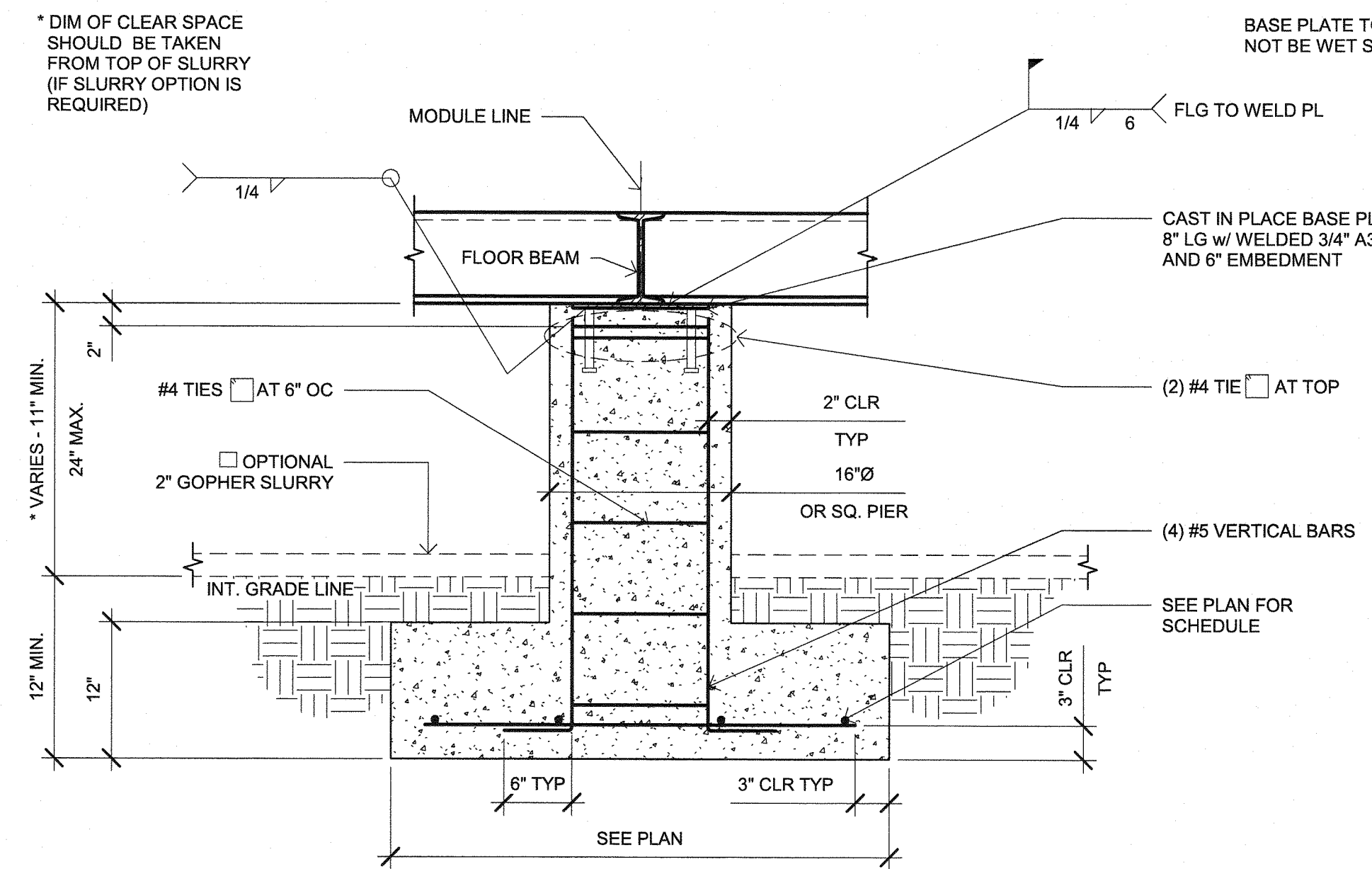
6 1/2" = 1'-0" TRAP PRIMER TO FLOOR DRAIN



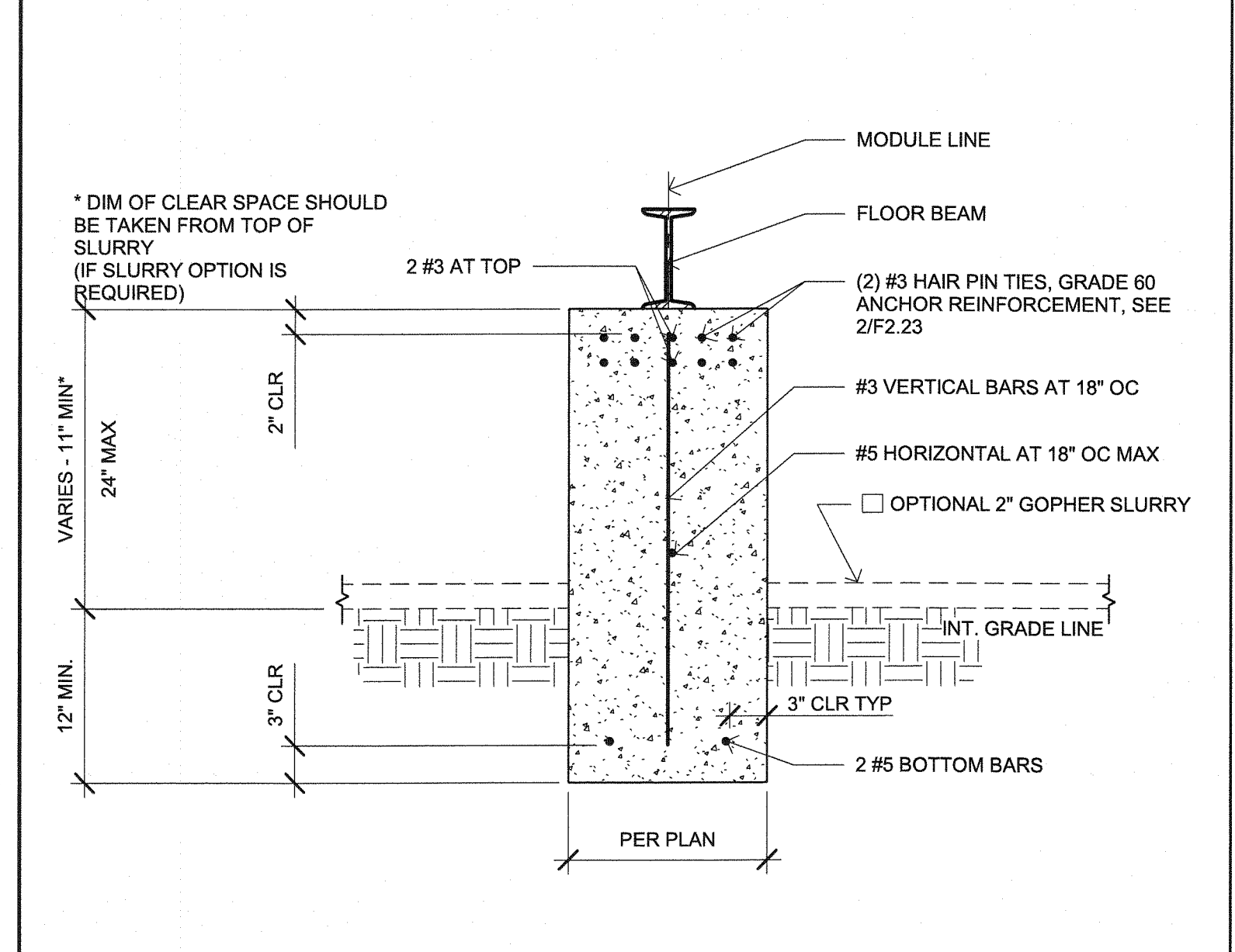
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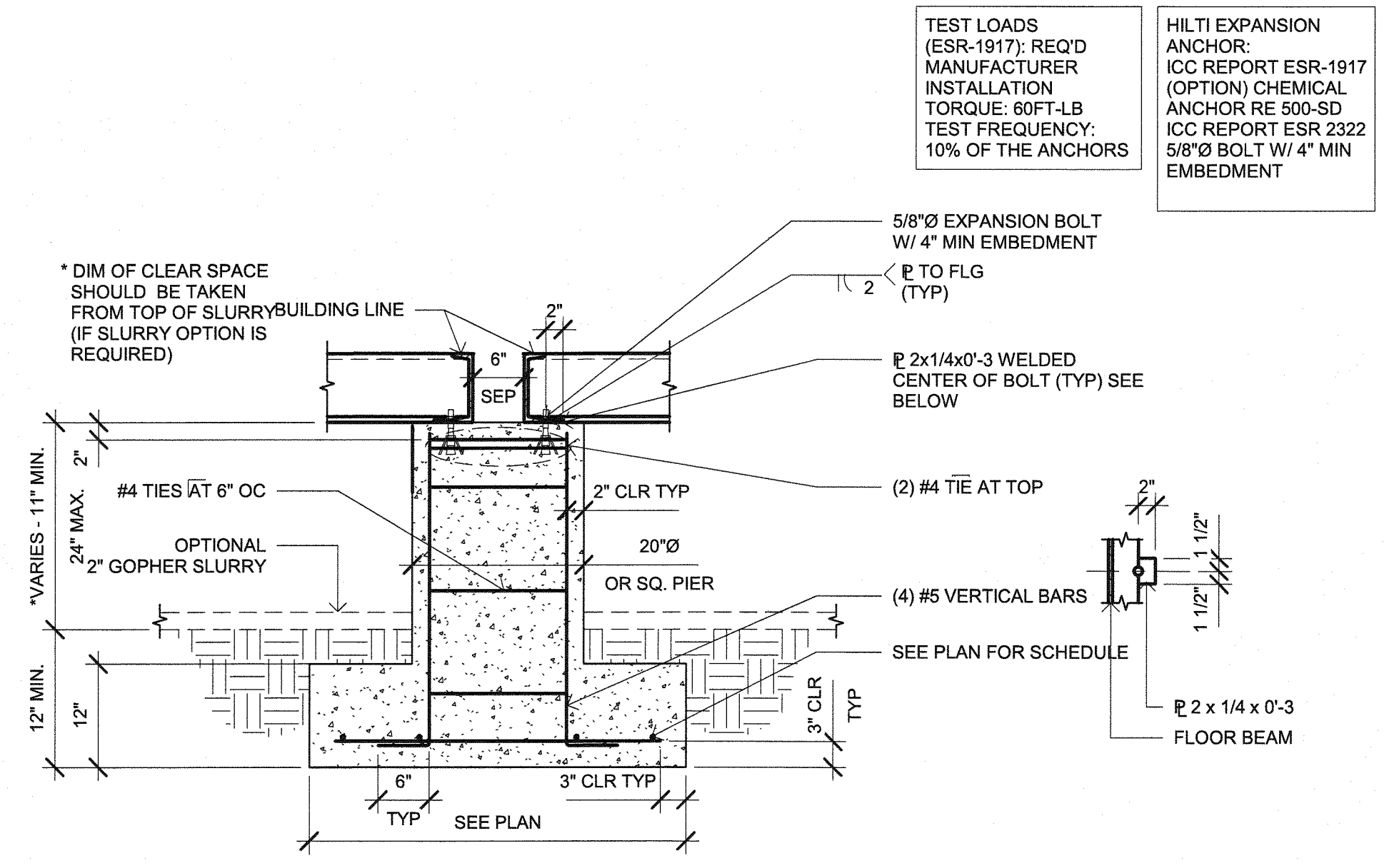
7 1" = 1'-0" INTERIOR PAD FOOTING (AT SEPARATION)



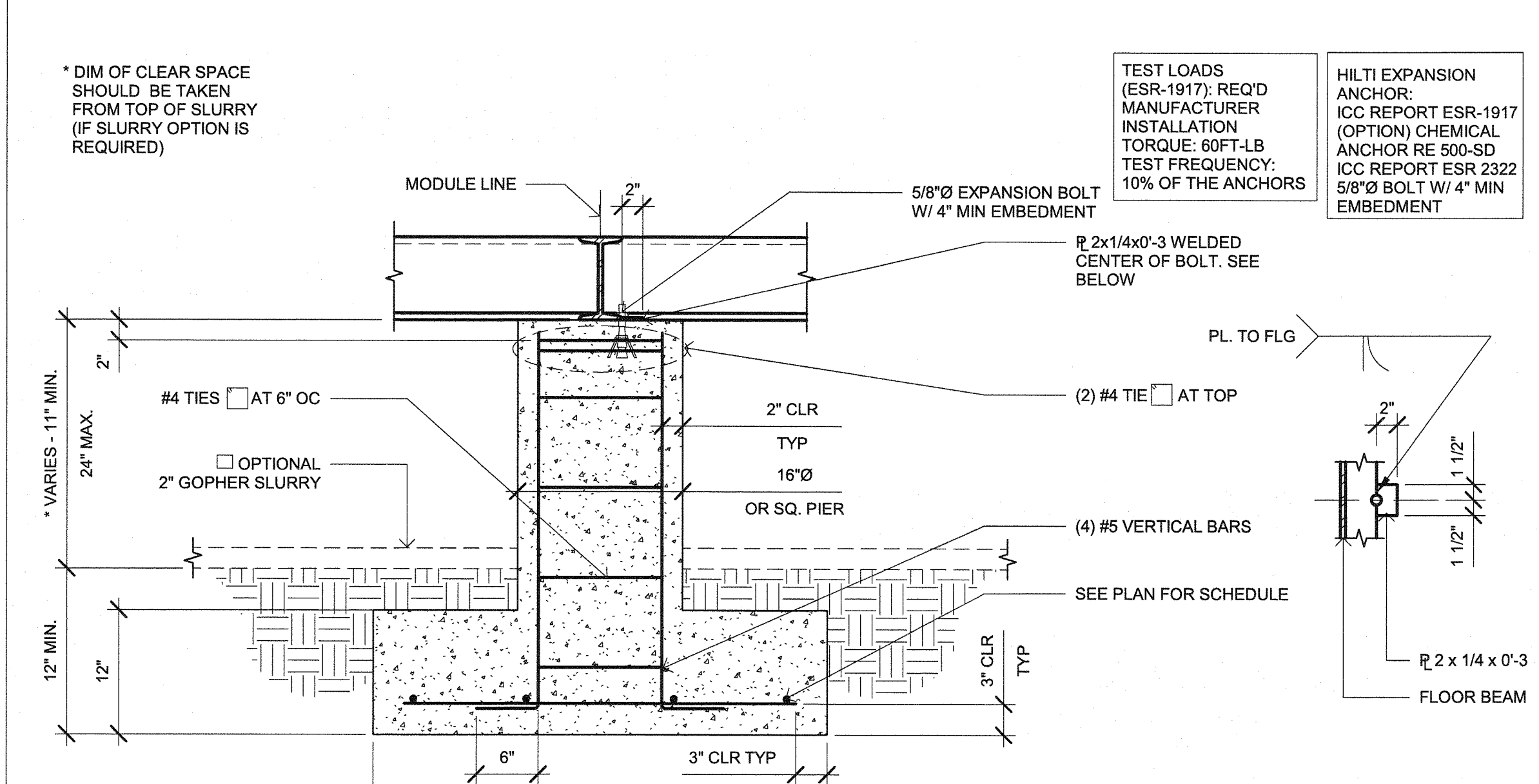
4 1" = 1'-0" INTERIOR PAD FOOTING (ATTACHMENT AT PLATE)



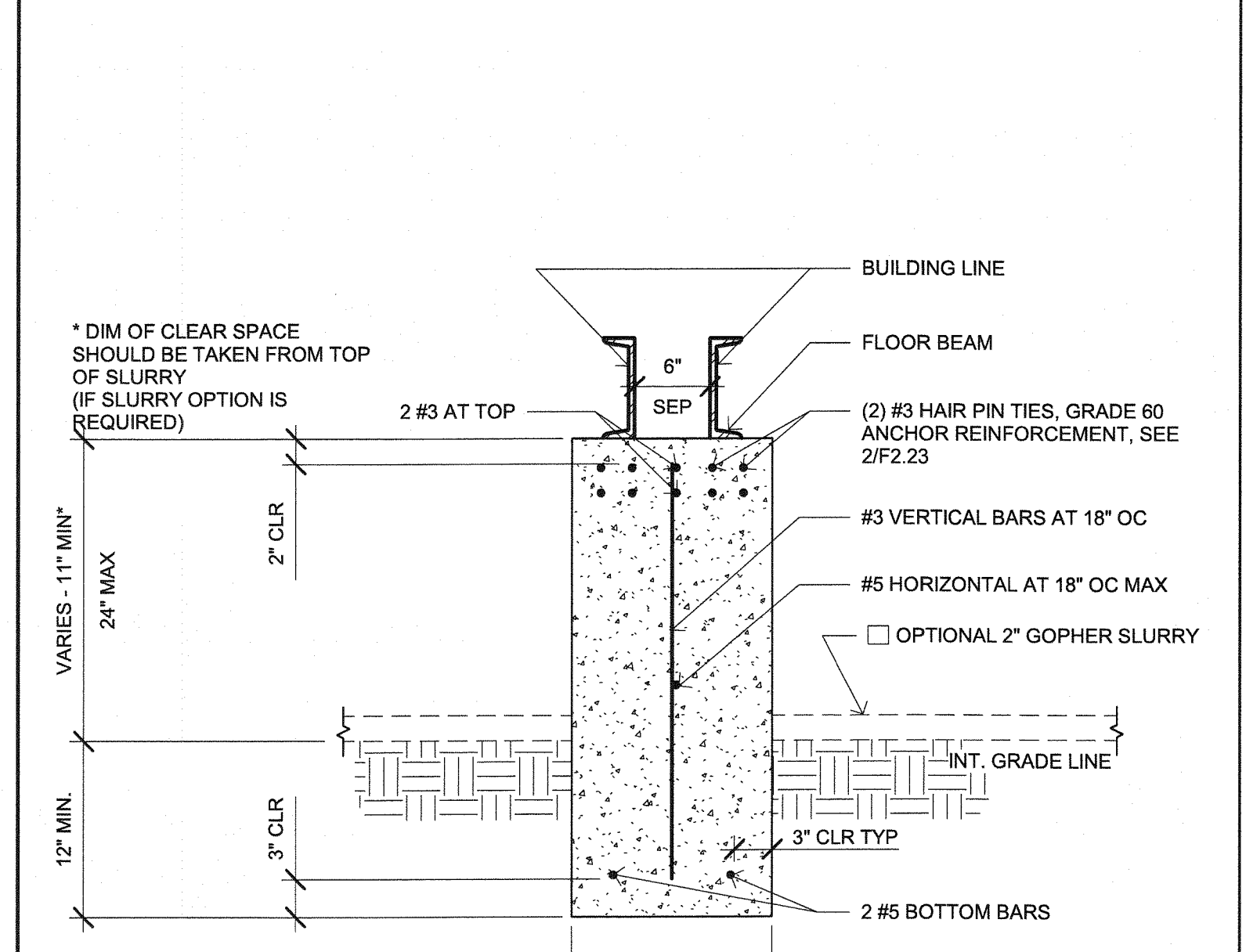
1 1" = 1'-0" INTERIOR RETURN FOOTING



3 3/4" = 1'-0" OPT. INTERIOR PAD FOOTING (AT SEPARATION)



5 1" = 1'-0" OPT. INTERIOR PAD FOOTING (ATTACHMENT AT PLATE)

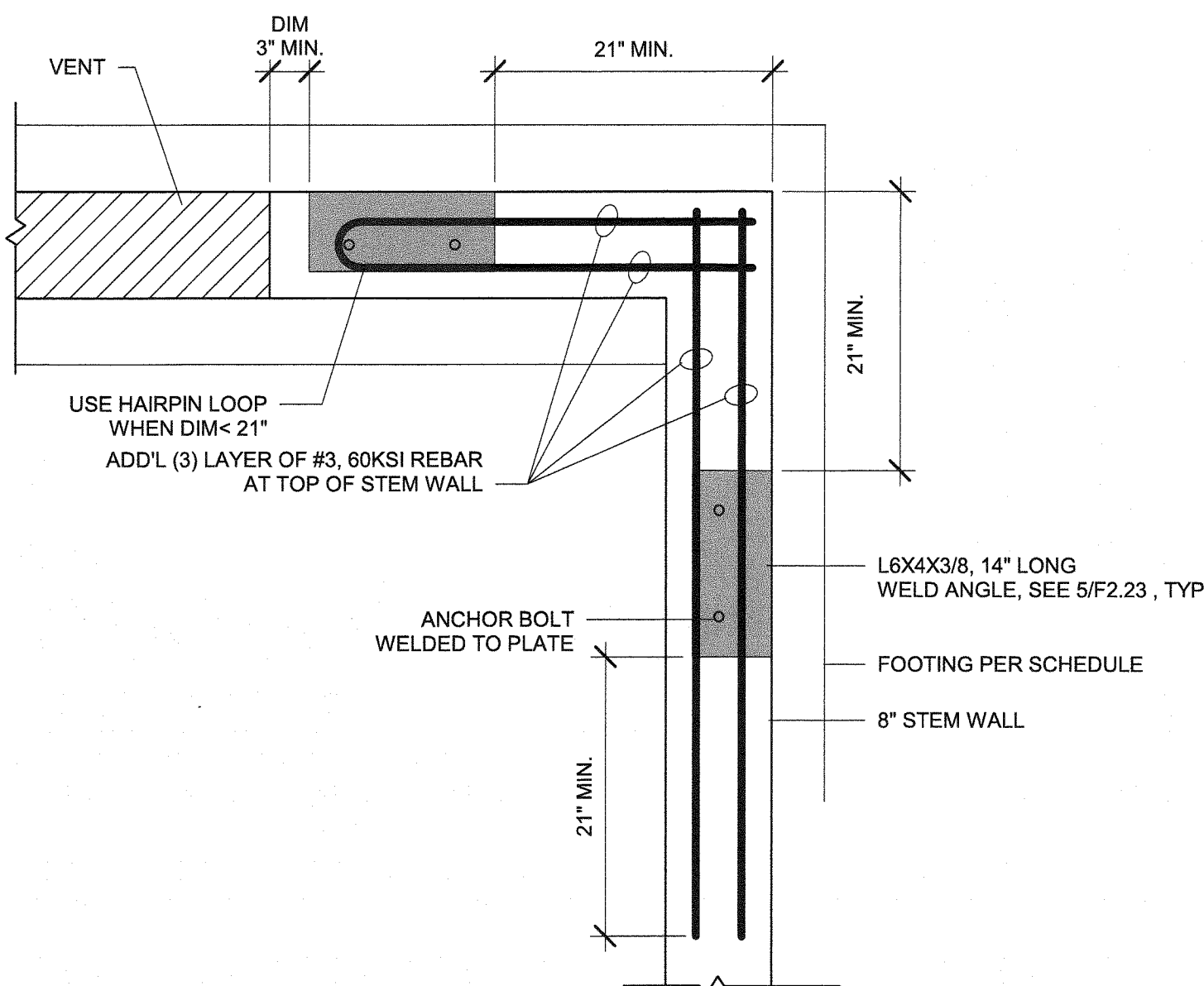


2 1" = 1'-0" INTERIOR RETURN FOOTING AT SEPARATION

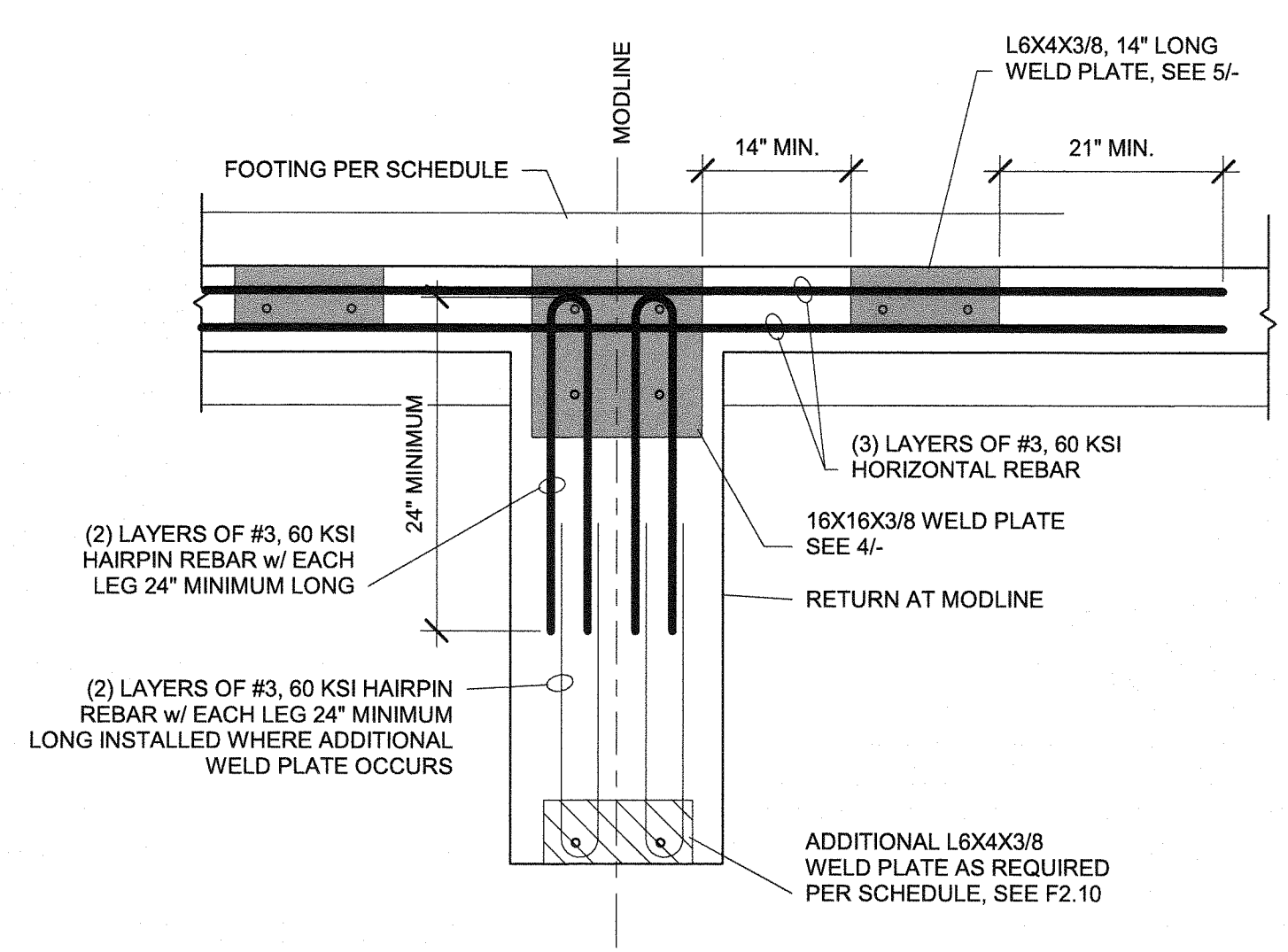
Revision Schedule		
#	Description	Date

SHEET TITLE
CONCRETE FOUNDATION DETAILS

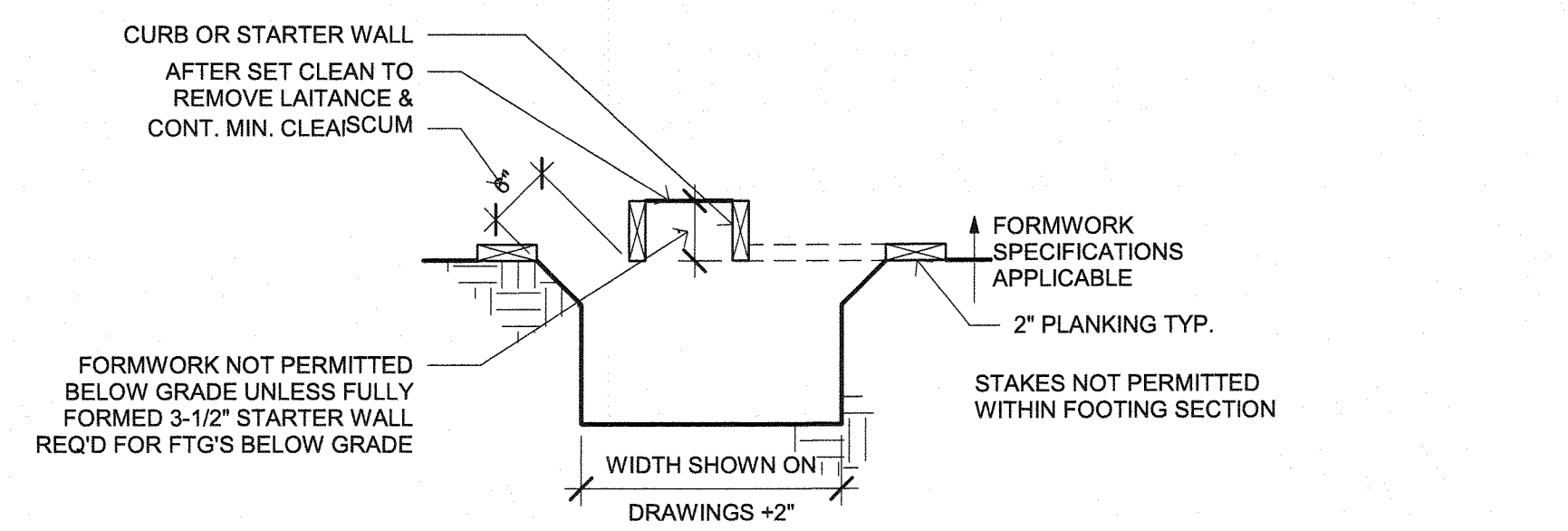
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DRAWN BY	rMc/SC
CHECKED BY	JA/RT
DATE	2017/06/05
SHEET NO.	F2.22
SHEET OF SHEETS	



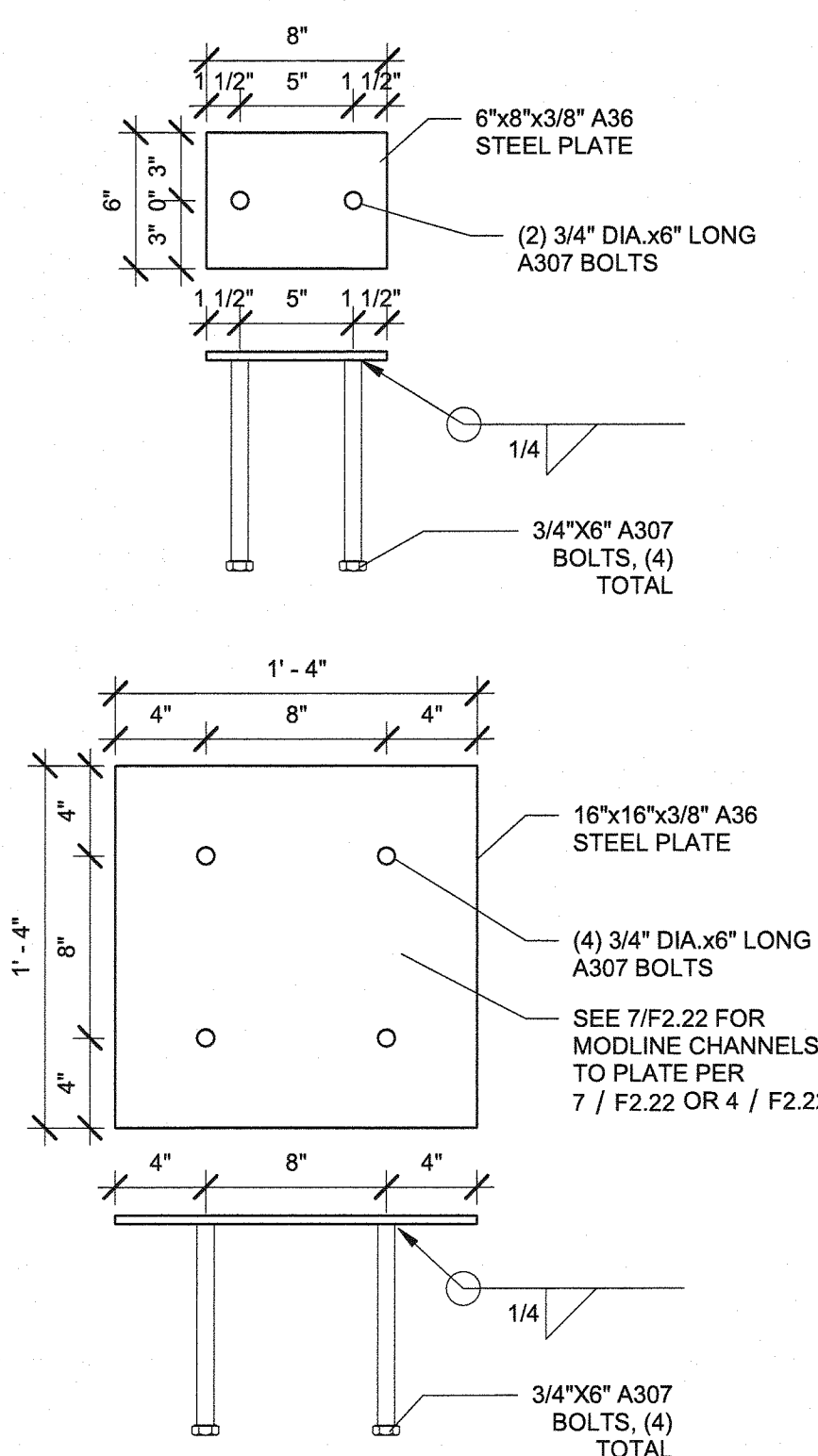
1 1" = 1'-0" WELD PLATE AT CORNER



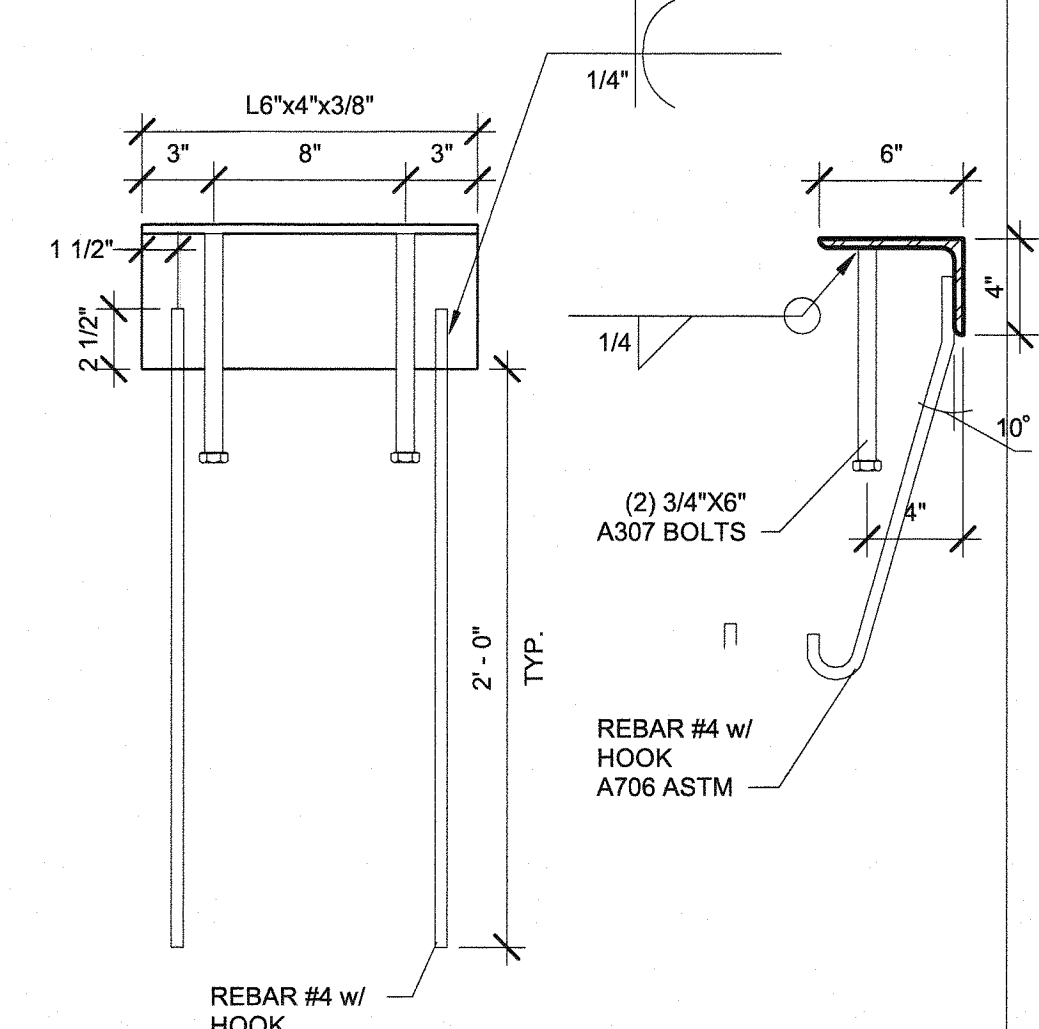
2 3/4" = 1'-0" RETURN AT MOD LINE



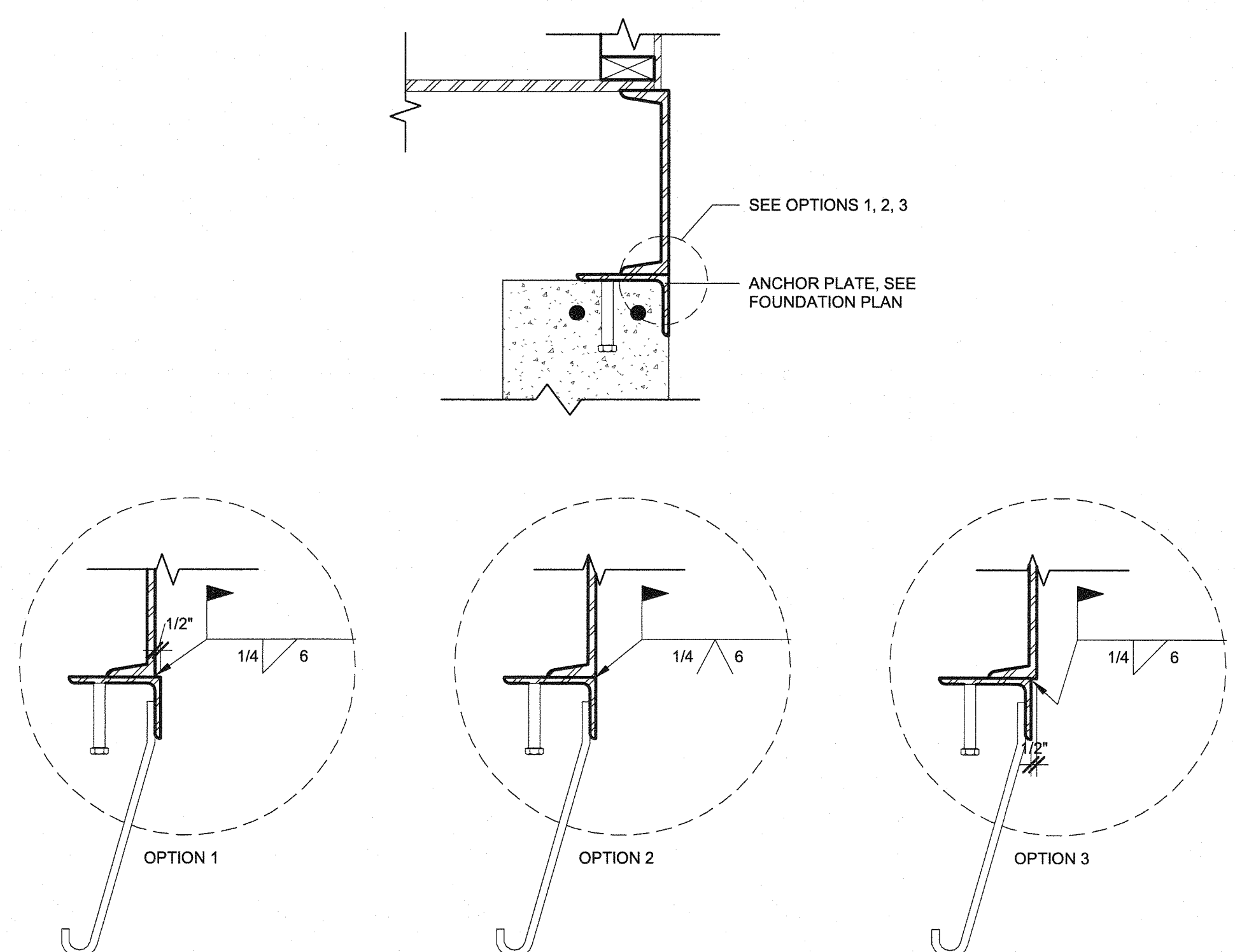
3 3/4" = 1'-0" MANDATORY MINIMUM FORMWORK (UNLESS FULLY FORMED)



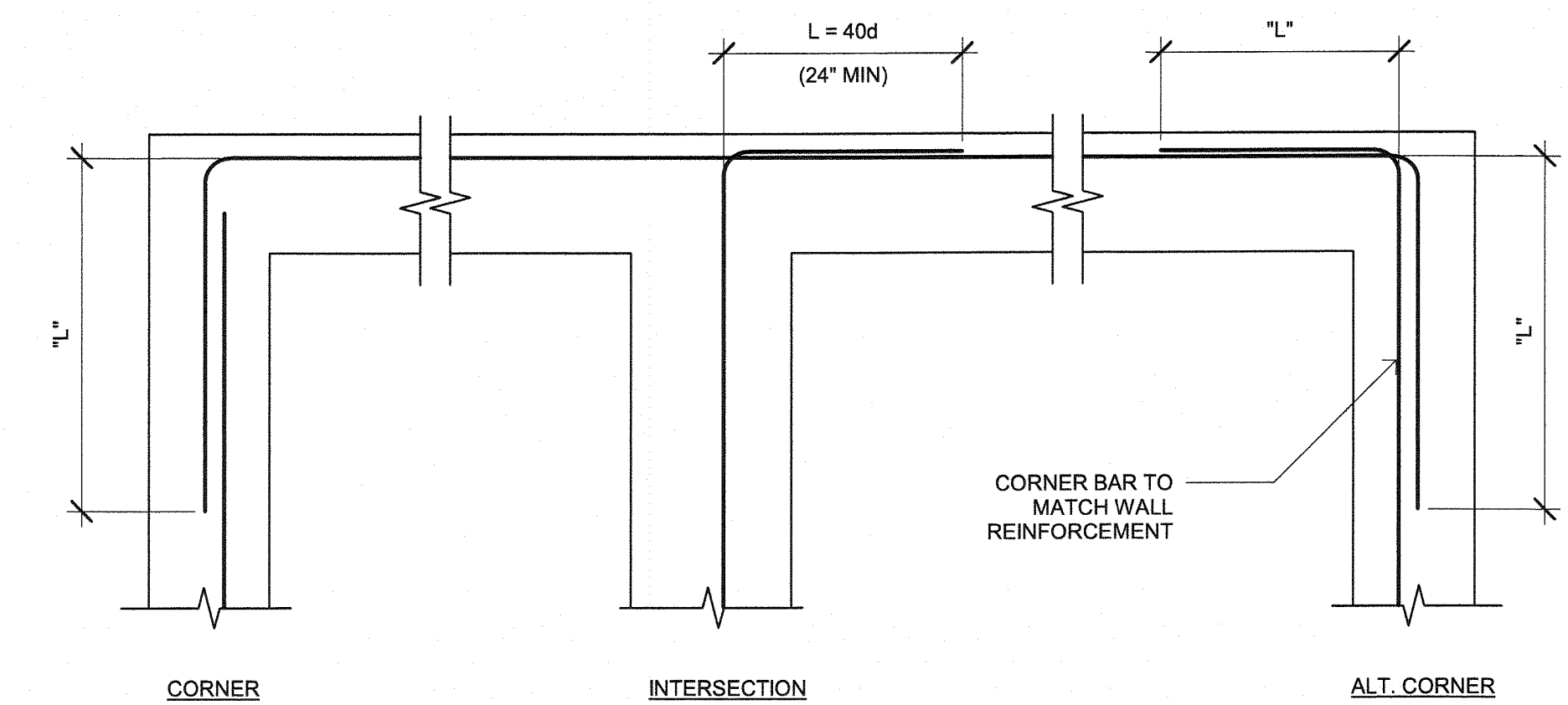
4 1 1/2" = 1'-0" EMBEDDED PLATE DETAILS



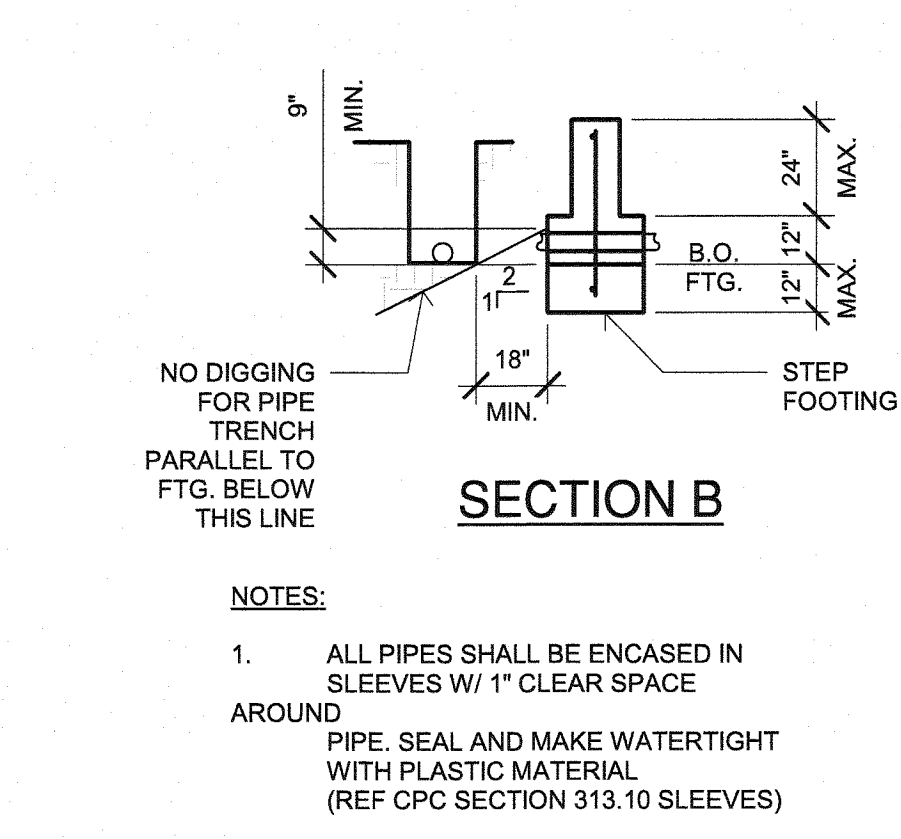
6 1 1/2" = 1'-0" WELD ANGLE DETAIL 3



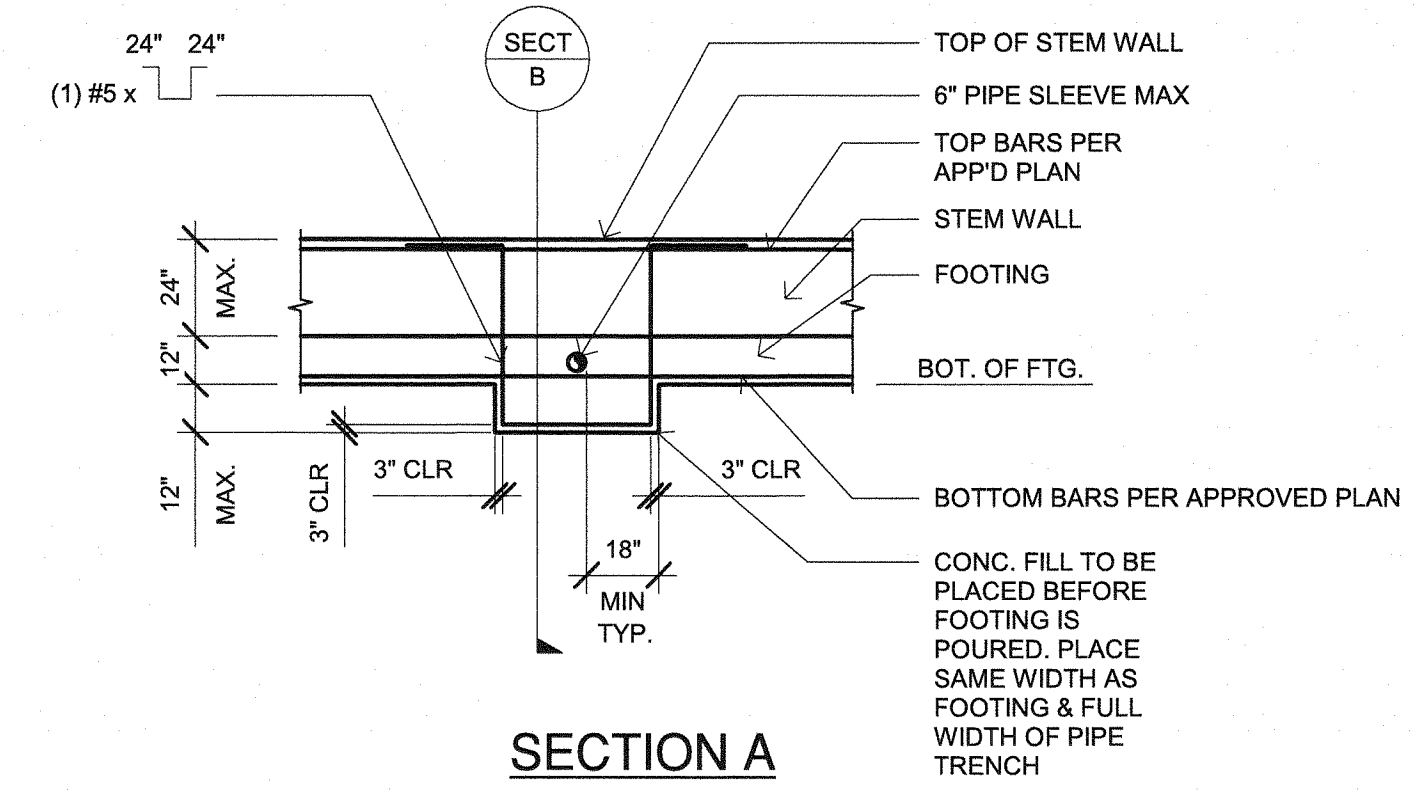
5 1 1/2" = 1'-0" FOUNDATION - WELDED 4



7 3/4" = 1'-0" TYPICAL REINFORCING AT CORNER AND INTERSECTIONS



8 1/4" = 1'-0" PIPE SLEEVE THRU FOUNDATION FOOTING



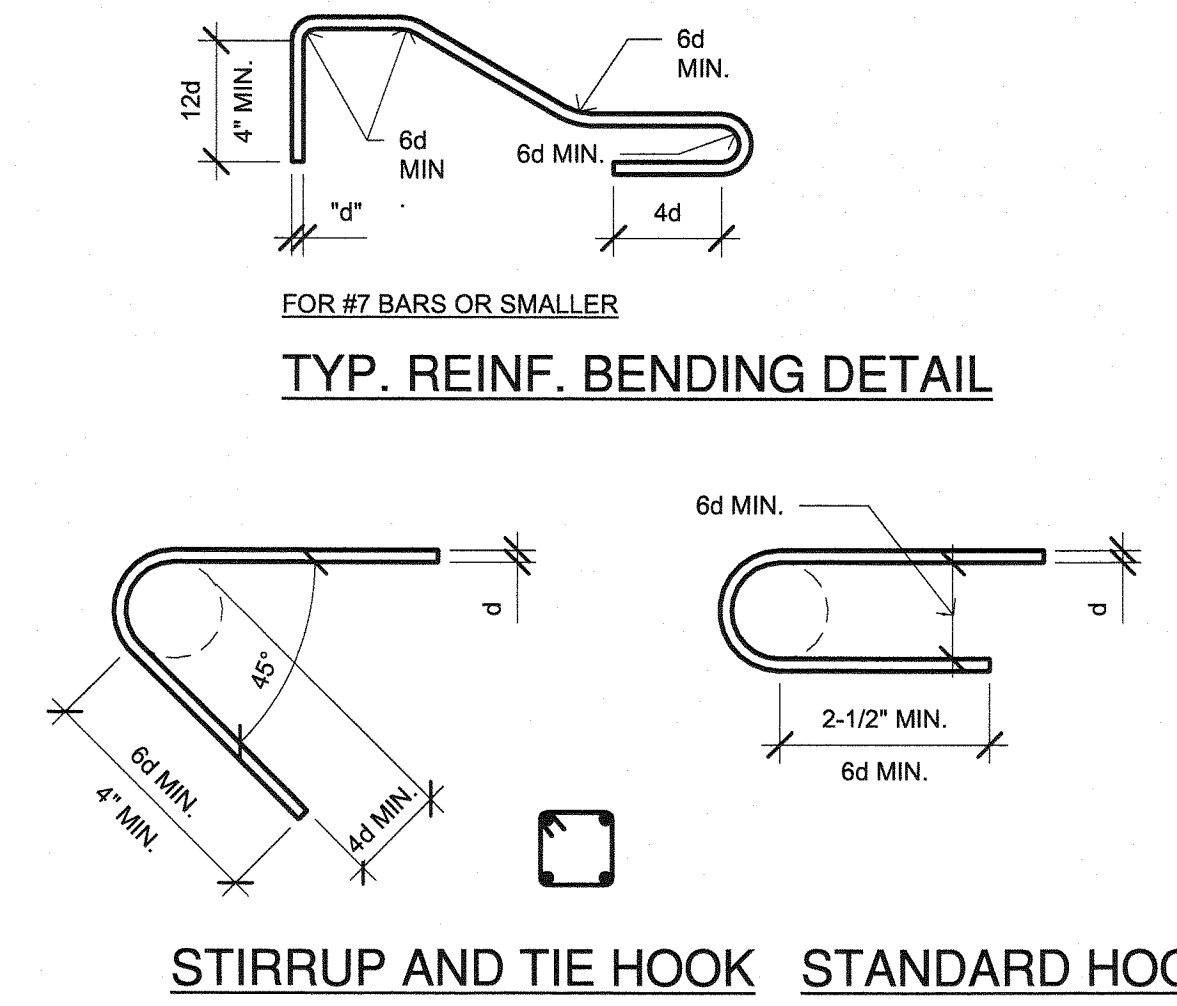
9 1 1/2" = 1'-0" TYPICAL REINFORCING BENDING DETAILS

STANDARD HOOKS FOR PRIMARY REINFORCEMENT	
BAR SIZE, No.	MINIMUM FINISHED BEND DIAMETER ^(a)
3 THROUGH 8	6d _b
9 THROUGH 11	8d _b
14 AND 18	10d _b

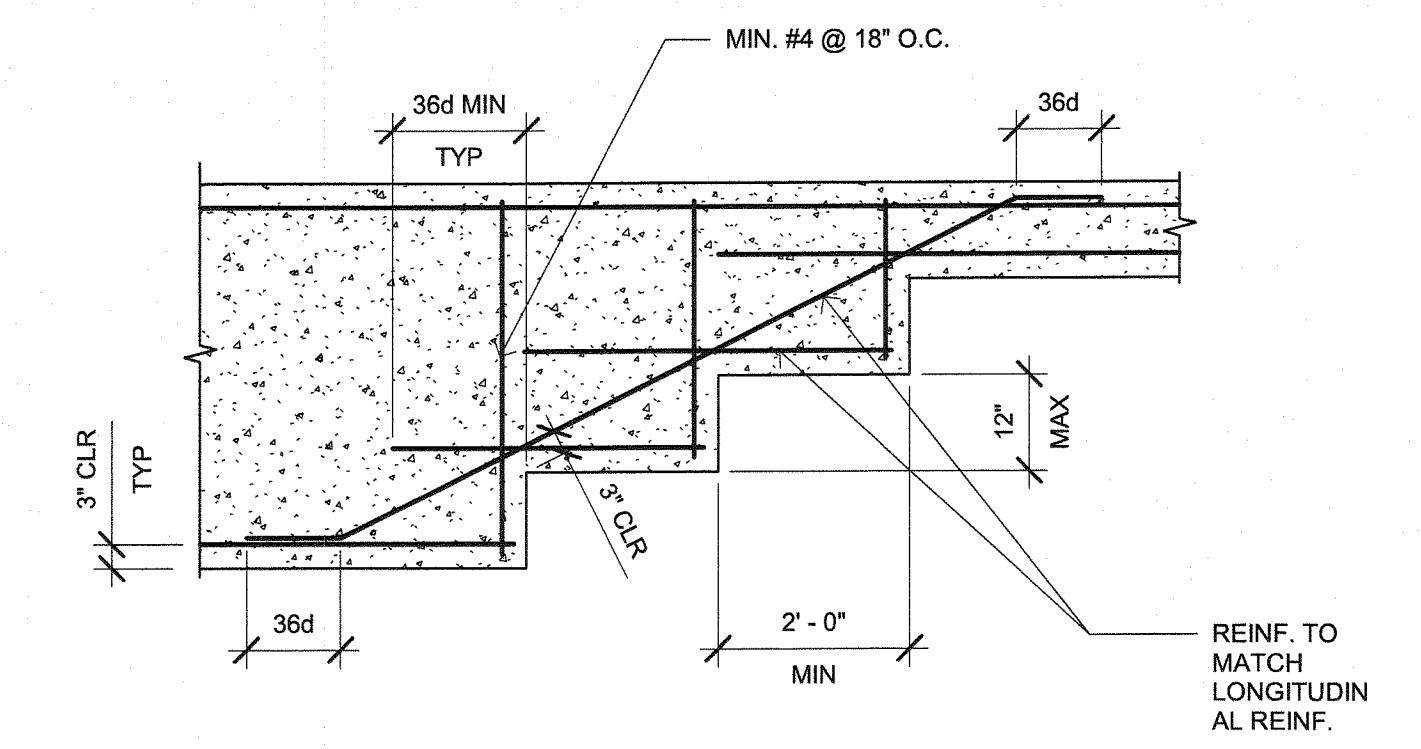
(a) MEASURED ON INSIDE OF BAR

STANDARD HOOKS FOR STIRRUPS AND TIE REINFORCEMENT	
BAR SIZE, No.	MINIMUM FINISHED BEND DIAMETER ^(a)
3 THROUGH 5	4d _b
6 THROUGH 8	6d _b

(a) MEASURED ON INSIDE OF BAR



9 1 1/2" = 1'-0" TYPICAL REINFORCING BENDING DETAILS



10 1/2" = 1'-0" TYPICAL STEPPED FOOTING

STRUCTURAL STEEL:

- A. ALL WORK, UNLESS MODIFIED BY THE CONTRACT DOCUMENTS, SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT AISC SPECIFICATIONS AND STANDARDS.
- B. STEEL SHAPES SHALL CONFORM TO THE FOLLOWING STANDARD:
 - a. STRUCTURAL HSS COLUMNS: ASTM A500 GRADE B
 - b. STRUCTURAL W-SHAPES: ASTM A992 GRADE 50
 - c. TUBE STEEL: ASTM A500 GRADE B
 - d. ALL OTHER: ASTM A36
- C. FABRICATION, ERECTION, AND SHOP PAINTING SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDING AND BRIDGES.
- D. HOLES IN STRUCTURAL STEEL SHALL NOT BE PERMITTED, UNLESS SPECIFIED IN THE STRUCTURAL DRAWINGS

CONCRETE

- A. ALL CONCRETE WORK, UNLESS MODIFIED BY CONTRACT DOCUMENTS, SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 19A, CBC 2013 AND ACI 318-11.
- B. TESTS AND INSPECTION SHALL BE PERFORMED BY A TESTING LABORATORY CONTRACTED BY THE DISTRICT.
- C. MIX DESIGN SHALL BE SUBMITTED FOR QUALIFICATION AND PROVIDE A 28-DAY COMPRESSIVE STRENGTH FC OF 3500 PSI, COMPOSED OF NORMAL WEIGHT TYPE I PORTLAND CEMENT IN CONFORMANCE WITH ASTM C150.
- D. FORMWORK SHALL RESULT IN FINAL STRUCTURE THAT CONFORMS TO SHAPES, LINES, AND DIMENSIONS AS REQUIRED BY THE CONTRACT DOCUMENTS.
- E. LOCATIONS OF VENTS AND OPENINGS FOR MECHANICAL AND ELECTRICAL USE SHALL BE VERIFIED BY ARCHITECT.
- F. EMBEDMENT OF MATERIALS NOT HARMFUL TO CONCRETE AND WITHIN LIMITATIONS OF SECTION 6.3, ACI-318-11 SHALL BE PERMITTED. REFER TO OTHER DISCIPLINES FOR LOCATION OF CONDUIT, PIPES, FITTINGS, SLEEVES, ETC.
- G. CONTINUOUS BATCH PLANT INSPECTION WAIVED PER CBC 1705A3.3. WHEN CONTINUOUS BATCH PLANT INSPECTION IS WAIVED, THE FOLLOWING PERIODIC INSPECTION SHALL BE REQUIRED: (INSPECTIONS PROVIDED BY DISTRICT)
 - 1. QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCH AT THE START OF DAY.
 - 2. LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTIFY AND CERTIFY TO EACH BY A BATCH TICKET.
 - 3. BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY A TRUCK DRIVER WITH THE LOAD IDENTIFIED LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX, THE DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK, ITS LOAD, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND WILL TRANSMIT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT AGENCY.
- H. ANCHOR BOLTS, AND REINFORCING STEEL SHALL BE SECURELY TIED BEFORE CONCRETE IS POURED.

STEEL REINFORCEMENT

- A. DEFORMED BARS SHALL CONFORM TO ASTM A615.
- B. fy= 40,000 PSI, FOR ALL BARS EXCEPT FOR #3 BARS, fy= 60,000 PSI.
- C. PROVIDE A MINIMUM CONCRETE COVER FOR REINFORCEMENT EMBEDDED IN:
 - a. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH = 3"
 - b. CONCRETE EXPOSED TO EARTH OR WEATHER FOR #5 BARS OR SMALLER = 1.5"
- D. SPLICE LENGTHS SHALL BE A MINIMUM OF 48" FOR #5 BARS, AND 30" FOR #4 BARS UNLESS OTHERWISE SPECIFIED IN DRAWINGS.

BOLTS

- A. ALL BOLTS AND ANCHOR BOLTS SHALL CONFORM TO ASTM A-307
- B. BOLTS EXPOSED TO THE ELEMENTS SHALL BE GALVANIZED BY THE HOT-DIP OR MECHANICAL PROCESS

WELDING

- A. ALL WELDING SHALL BE IN CONFORMANCE TO:
 - a. AWS D1.1, EXCEPT AS MODIFIED IN SECTION J2, AISC-360 FOR STEEL
 - b. AWS D1.3 FOR LIGHT GAUGE STEEL
 - c. AWS D1.4 FOR REINFORCING STEEL
- B. ELECTRODE CLASSIFICATION:
 - a. E70XX FOR STEEL AND CONCRETE STEEL REINFORCEMENT
 - b. E60XX FOR LIGHT GAUGE STEEL
- C. WELDS SHALL BE CAPABLE OF PRODUCING THE FOLLOWING V-NOTCH TOUGHNESS AS DETERMINED BY APPROPRIATE AWS A5 CLASSIFICATION TEST METHOD OR MANUFACTURER CERTIFICATION:
 - a. LATERAL FORCE RESISTING SYSTEM (LFRS) = 20 FT-LB AT 0 DEGREE F
 - b. COMPLETE JOINT PENETRATION GROOVE WELD = 20 FT-LB AT 40 DEGREE F
- D. SHOP AND FIELD WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS.
- E. INSPECTION:
 - a. PERIODIC INSPECTION OF FILLET WELDS LESS THAN OR EQUAL TO 5/16", FLOOR AND ROOF DECK WELDS.
 - b. CONTINUOUS INSPECTION FOR OTHER WELDS.
- F. NONDESTRUCTIVE TESTING (NDT):
 - a. ULTRASONIC TESTING SHALL BE PERFORMED ON 100 PERCENT OF CJP GROOVE WELDS IN MATERIALS 5/16" OR THICK OR GREATER. ULTRASONIC TESTING NOT REQUIRED FOR MATERIALS LESS THAN 5/16" THICK. TESTING FREQUENCY MAY BE REDUCED TO 25%, PROVIDED PROVISIONS SET FORTH IN SECTION N5.5a, AISC-360 IS MET.
 - b. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25 PERCENT OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS. TESTING FREQUENCY MAY BE REDUCED TO 10%, PROVIDED PROVISIONS IN J6.2g, AISC-341 IS MET.

FOUNDATIONS

GEOTECHNICAL INVESTIGATION SHALL BE CONDUCTED IN ACCORDANCE WITH SECTION 1803A.1 THROUGH 1803A.8 BY A GEOTECHNICAL ENGINEER CONTRACTED BY THE DISTRICT. ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TABLE 1808A.2 WHERE GEOTECHNICAL REPORTS IS NOT REQUIRED PER SECTION 1803A.2. A MAXIMUM ALLOWABLE SOIL PRESSURE OF 1000 PSF AND 1500 PSF SHALL BE PERMITTED FOR TEMPORARY WOOD AND PERMANENT CONCRETE FOUNDATIONS RESPECTIVELY IN ACCORDANCE WITH SECTION 4.6, IR 16-1.13

A PREVIOUS REPORT FOR A SPECIFIC SITE MAY BE RESUBMITTED. THE ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES ARE ALLOWED A 33% INCREASE FOR SHORT TERM WIND AND SEISMIC LOADS.

THE DISTRICT SHALL BE RESPONSIBLE FOR EXCAVATION, BACKFILL, SETTING ELEVATIONS, CRANING AND RIGGING. PROVIDE SHIMS TO LEVEL BUILDING WITHIN 1/2" TOLERANCE.

COLD-FORMED STEEL:

- A. ALL WORK SHALL, UNLESS MODIFIED BY THE CONTRACT DOCUMENTS, SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT AISI SPECIFICATIONS AND STANDARDS.
- B. MATERIAL SPECIFICATION:
 - a. ASTM A-1011/A, GRADE 33 FOR MATERIALS THICKNESS 0.120 OR LESS UNLESS OTHERWISE NOTED
 - b. ASTM A-1003, GRADE 33 TYPE H FOR LIGHT GAUGE STUDS AND TRACKS
 - c. SHAPES SHALL BE DIMENSIONED TO SSMA SPECIFICATIONS.
- C. SCREWS EXPOSED TO THE ELEMENTS SHALL BE GALVANIZED

STEEL DECK

MINIMUM THICKNESS PERMITTED FOR FLOOR STEEL DECKS IS 20GA. PER DSA IR 16-1.13, 1.2.1, MINIMUM THICKNESS OF NON-STRUCTURAL STEEL ROOF DECKING IS 26GA. STANDING SEAM ROOF PANELS ARE GRADE 40 SHEET STEEL WITH AN ALUMINUM ZINC COATING CONFORMING TO ASTM A792 AND AZ55.

CHANGES

CHANGES AFFECTING STRUCTURAL PORTION OF THE APPROVED PC SHALL NEED DSA APPROVAL AND CLASSIFIED AS CCD CATEGORY A.

WOOD

ALL FRAMING LUMBER SHALL BE GRADE MARKED BY AN APPROVED GRADING AGENCY

SHEATHING:

EACH SHEET SHALL BE GRADE MARKED BY THE AMERICAN PLYWOOD ASSOCIATION IN ACCORDANCE WITH THE PROCEDURES AND QUALIFICATIONS SET FORTH BY PS 1-07.

1. SUB FLOOR: 1 1/8" T&G UNBLOCKED PLYWOOD, SHALL PROVIDE A SMOOTH AND UNIFORM SURFACE CAPABLE OF ACCEPTING CARPET FINISH
2. PLYWOOD ROOF DECK OPTION: APA RATED 3/4" T&G OSB OR EQUIVALENT RATED SHEATHING
3. EXTERIOR WALL SIDING:
 - I. STANDARD: 5/8" DURATEMP OR 5/8" SMART PANEL
 - II. OPTION: 5/8" MOD
 - III. OPTION: 1/2" OSB OR CDX PLYWOOD FOR PLASTER/STUCCO FINISH
 - IV. OPTION: 1/2" OSB OR CDX PLYWOOD FOR HARDIE BOARD (LAP SIDING) FINISH
4. EXTERIOR WALL SIDING ATTACHMENT:
 - FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS SHALL BE HOT-DIPPED GALVANIZED, MECHANICALLY DEPOSITED ZINC-COATED, STAINLESS, SILICON BRONZE OR COPPER PER CBC SECTION 2304.9.1.1
 - FASTEN TO WOOD FRAMING WITH 8D BOX NAILS @ 6" E.N., 12" F.N.
 - FASTEN TO LIGHT GAUGE METAL FRAMING WITH #8 WAFER HEAD STMS @ 6" E.N., 12" F.N.
 - FASTEN TO STRUCTURAL STEEL WITH #12 STMS OR 0.145 DIAM SHOT PINS @ 12" O.C.

TREATED WOOD:

- ALL WOOD LOCATED WITHIN 6" OF EXPOSED EARTH SHALL BE "PRESERVATIVE TREATED" OR SHALL BE "NATURALLY DURABLE" MATERIAL IN ACCORDANCE WITH CBC SECTION 2304.11.2.2.
1. ALL ROUGH LUMBER SHALL BE DF #2 OR BETTER.
 2. ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1863, AND RAMSET POWER DRIVEN FASTENERS (ICC # ESR-1789), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.
 3. FASTENERS, INCLUDING NUTS AND WASHERS, IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC 2304.9.5.1

ROOF DIAPHRAGM:

3/4" T&G RATED SHEATHING, EXPOSURE 1, 48" oc SPAN RATING
FASTEN AT METAL SUPPORTS W/ #10 x 1 3/4" SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS @ 4" O.C. BN, 6" O.C. EN, AND 12" O.C. FN. PROVIDE A MINIMUM OF 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2

FLOOR DIAPHRAGM:

1 1/8" PLYWOOD - STURD-I-FLOOR T&G RATED SHEATHING, EXTERIOR, 48" oc SPAN RATING
FASTEN AT METAL SUPPORTS W/ #10 - 24 x 1 3/4" SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS @ 6" O.C. BN, 6" O.C. EN, 12" FN. PROVIDE A MINIMUM OF 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2

CONCRETE FLOOR DATA: LIGHTWEIGHT CONCRETE FLOOR
STRENGTH: 3500 PSI
TYPE: I OR II
DESINTY: 110 PCF - MAX

DIMENSION LUMBER ATTACHMENT TO STEEL FRAMING:

2 x STUDS AT CORNER STEEL COLUMNS (NAILING STUD)
USE: #10 - 24 x 2 1/2" LG. SELF-DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD WITH WASHER ZINC COATED TEK SCREWS AT 24" OC.

NAILING NOTES:

1. ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED
2. MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO THE SECOND MEMBER, AND SHALL NOT BE LESS THAN 3" IN OVERALL LENGTH.
3. NAILS SHALL BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIREMENT EMBEDMENT IS MAINTAINED.

CONNECTIONS AND FASTENERS:

ALL CONNECTIONS AND FASTENERS IN DRAWINGS CAN BE SUBSTITUTED BY AN EQUIVALENT PRODUCT PROVIDING ICC REPORTS ARE SUBMITTED TO AND APPROVED BY DSA.

CONNECTIONS LAG SCREWS:

LAG SCREWS SHALL BE INSTALLED WITH WASHER AND TURNED BY WRENCH. OVER-TORQUING SHALL BE AVOIDED. A PRE-DRILLED CLEARANCE AND LEAD HOLE SHALL BE REQUIRED AS DESCRIBED BELOW:

- a) THE CLEARANCE HOLE FOR THE UNTHREADED PORTION OR THE SHANK SHALL HAVE SAME DEPTH AND DIAMETER.
- b) THE LEAD HOLE FOR THE THREADED PORTION OF THE SHANK SHALL HAVE SAME DEPTH AND 65% TO 85% OF SHANK DIAMETER FOR LUMBER WITH SPECIFIC GRAVITY OF, G > 0.6
60% TO 75% OF SHANK DIAMETER FOR LUMBER WITH SPECIFIC GRAVITY OF, 0.5 < G ≤ 0.6
40% TO 70% OF SHANK DIAMETER FOR LUMBER WITH SPECIFIC GRAVITY OF, G ≤ 0.5

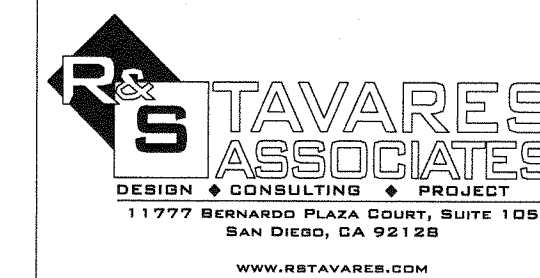
LEAD OR CLEARANCE HOLES SHALL NOT BE REQUIRED FOR 3/8" DIAMETER OR SMALLER LAG SCREWS.

BALLISTIC PINS OPTIONS

1. HILTI X-CR PIN WITH 0.145 SHANK DIAMETER, ICC ESR-1863
2. RAMP SET 1500 PIN WITH 0.145 SHANK DIAMETER, ICC ESR-1799
3. SIMPSON STRONG TIE PDP PIN WITH 0.145 SHANK DIAMETER, ICC ESR-2138

NAILING SCHEDULE: (ALL NAILS SHALL BE COMMON, GALVANIZED WHERE EXPOSED)
PER C.B.C. TABLE 2304.9.1

CONNECTION	FASTENING	LOCATION
1. JOIST TO SILL OR GIRDER	3-8d	TOENAIL
2. BRIDGING TO JOIST	2-8d	TOENAIL EA. END
3. 1X6 OR LESS SUBFLOOR TO EA. JOIST	2-8d	FACE NAIL
4. WIDER THAN 1X6 SUBFLOOR TO EA. JOIST	3-8d	FACE NAIL
5. 2" SUBFLOOR TO JOIST	2-16d	BLIND & FACE NAIL
6. SOLE PLT. TO JOIST OR BLK'G. TO EA. JOIST	16d@16"	TYP. FACE NAIL
SOLE PLT. TO JOIST OR BLK'G. @ BRACED WALL PANEL	3-16d@16"	TYP. FACE NAIL
7. TOP PLT. TO STUD	2-16d	END NAIL
8. STUD TO SOLE PLT. OR	2-16d	END NAIL
9. DOUBLE STUDS	4-8d	TOENAIL
10. DOUBLE TOP PLT. DOUBLE TOP PLT.	16d@24"	END NAIL
	8-16d MIN. U.N.O.	TYP. FACE NAIL
11. BLKG. BTW. JOIST OR RAFTERS TO TOP PLT.	3-8d	LAP SPLICE
12. RIM JOIST TO TOP PLT.	8d@6"	TOENAIL
13. TOP PLT., LAPS & INTERSECTIONS	2-16d	FACE NAIL
14. CONT. HDR. 2 PIECES	16d@16"	ALONG EDGE
15. CLG. JOIST TO PLT.	3-8d	TOENAIL
16. CONT. HDR. TO STUD	4-8d	TOENAIL
17. CLG. JOIST LAP OVER PARTITIONS	3-16d	FACE NAIL
18. CLG. JOIST PARALLEL TO RAFTERS	3-16d	FACE NAIL
19. RAFTER TO PLT.	3-8d	TOENAIL
20. 1" DIA. BRACE TO EA. STUD & PLT.	2-8d	FACE NAIL
21. 1X8 SHTG. TO EA. BRG.	3-8d	FACE NAIL
22. WIDER THAN 1X8 SHTG. TO BRG.	3-8d	FACE NAIL
23. BUILT-UP CORNER STUDS	16d@24"	FACE NAIL
24. BUILT-UP GIRDERS & BEAMS	20d@32"	FACE NAIL @ TOP & BTM. STAGR. ON OPP. SIDES
	2-20d	FACE NAIL @ ENDS & @ EA. SPLICE @ EA. BRG.
25. 2" PLANKS	2-16d	FACE NAIL
26. COLLAR TIE TO RAFTER	3-10d	TOENAIL
27. JACK RAFTER TO HIP	3-10d	TOENAIL
28. ROOF RAFTER TO 2X RIDGE	2-16d	FACE NAIL
	2-16d	FACE NAIL
29. JOIST TO BAND JOIST	3-16d	FACE NAIL
30. 4X BLOCKING TO STUDS	1-A34	FACE NAIL



PROFESSIONAL STAMP



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ORIGINAL PC STATE AGENCY APPROVAL

FILE NUMBER: PC-128
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116504 INCR: 0
AC, RM, FLS, EA, SSR, KER
DATE: 07/19/2018

PROJECT TITLE

24' x 40'
EXPANDABLE TO
120' x 40'

PRE-CHECK (PC) DOCUMENT

Code: 2016 CBC
A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 119164
ACS, FLS, SS
DATE: MAR 17 2020

Revision Schedule

#	Description	Date

SHEET TITLE

STRUCTURAL GEN
NOTES

PROJECT NUMBER

17016A

DRAWN BY

rMc/SC

CHECKED BY

JA/RT

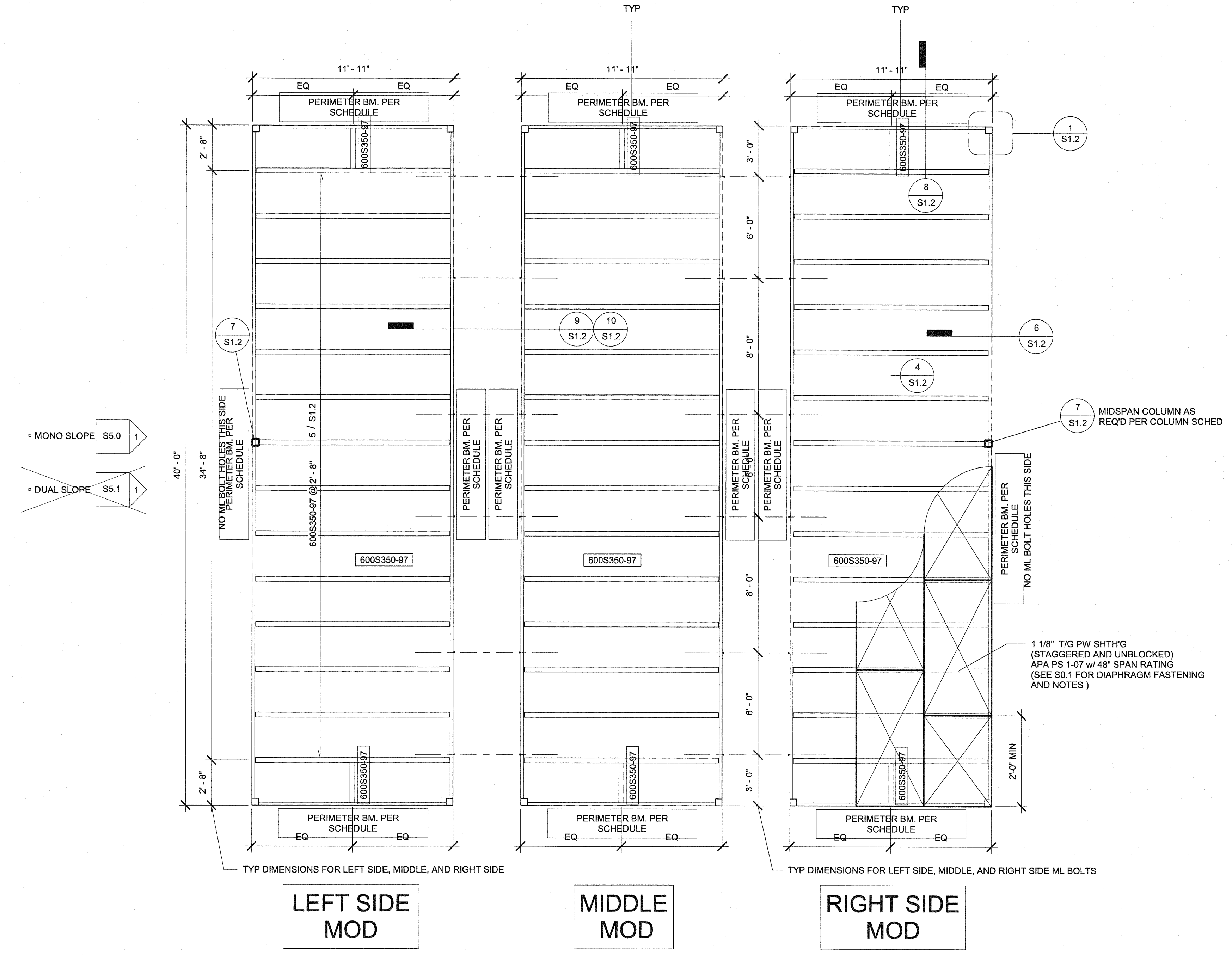
DATE

2017/06/05

SHEET NO.

S0.1

SHEET OF SHEETS

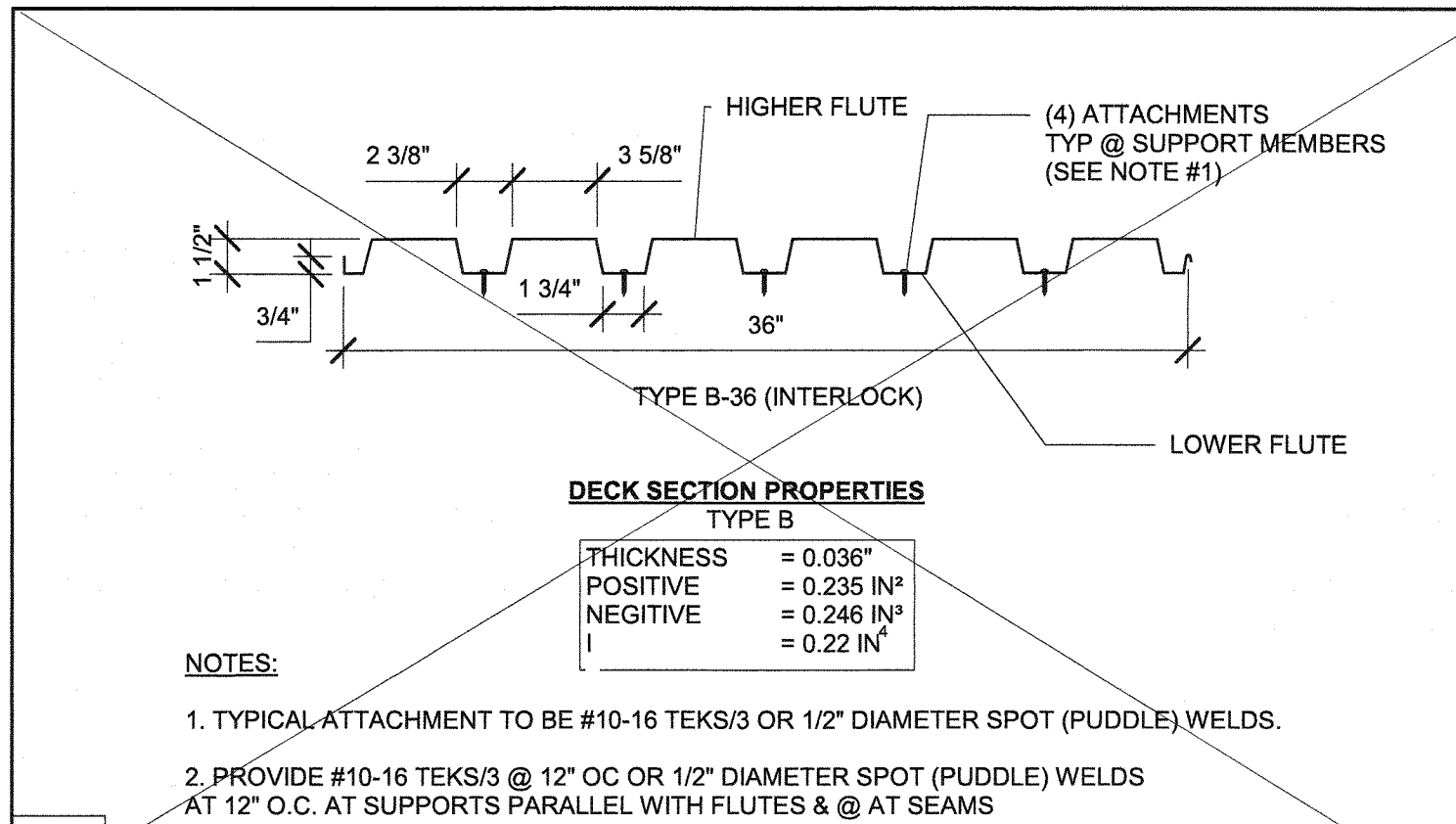


Perimeter Floor Beam Schedule			
HT	No Plaster Walls	Plaster Walls	w/ Parapet, 18" max
9'	C8x11.5	C8x11.5	C8x11.5
10'	C8x11.5	C8x11.5	C8x11.5

NOTE: SPLICE AT FLOOR BEAM PERMITTED PER 3/S1.2

Column Schedule			
HT	No Plaster Walls	Plaster Walls	w/ Parapet, 18" max
9'	5x5X1/4	5x5X1/4	5x5X1/4
10'	5x5X1/4	5x5X5/16*	5x5X5/16*
			3x3X3/16 mid-span column

*Alternative 6x6x1/4

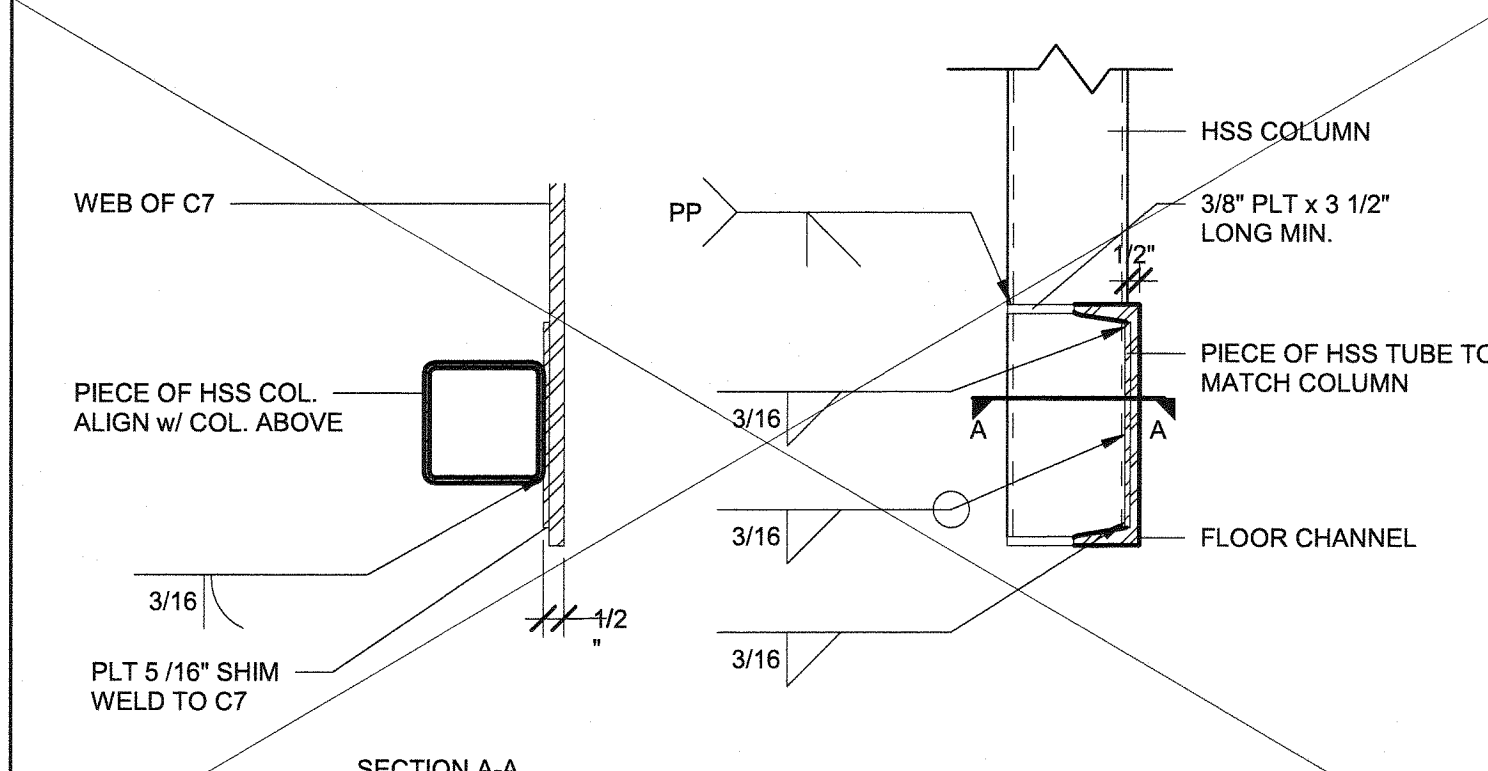


DECK SECTION PROPERTIES
TYPE B

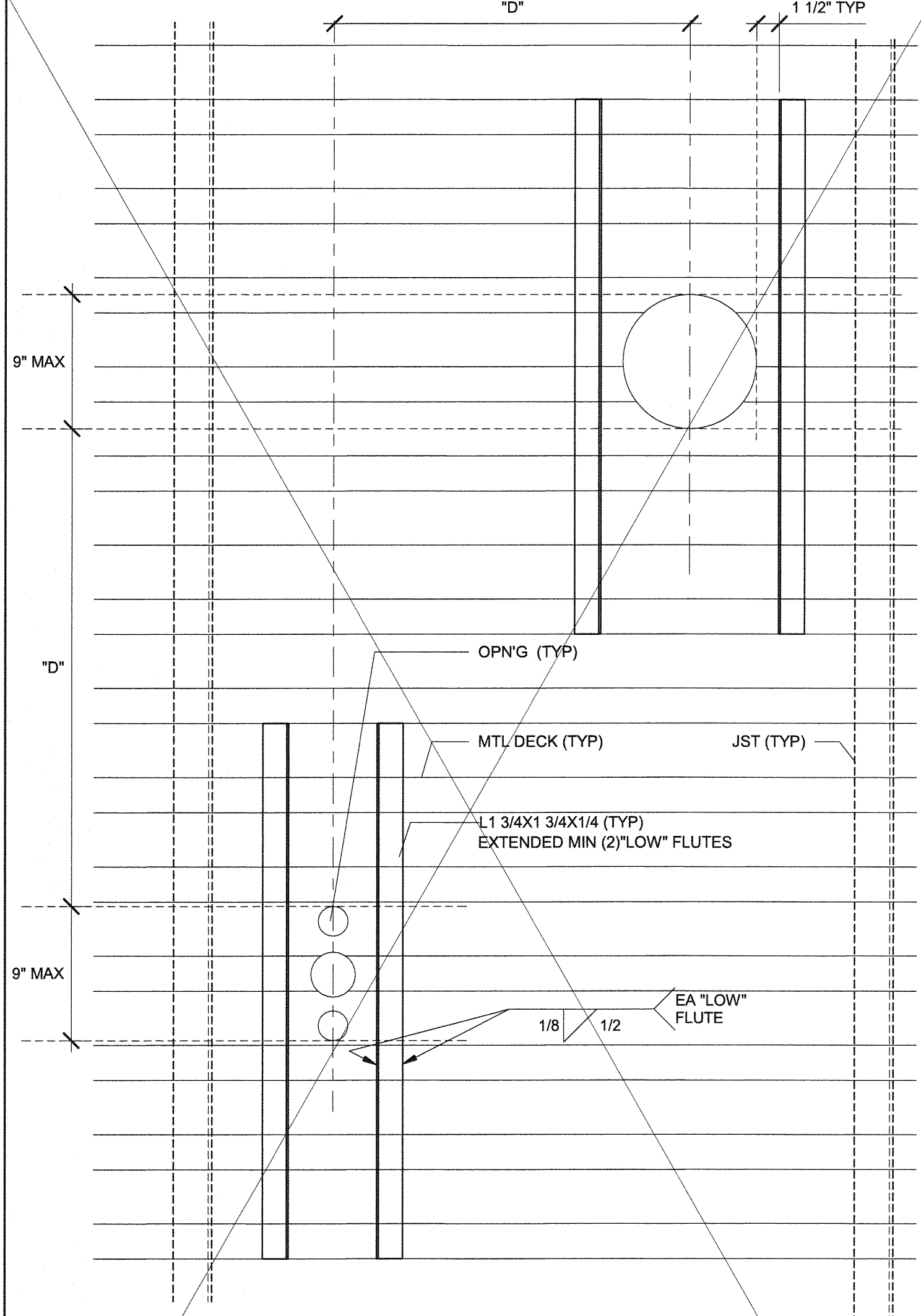
THICKNESS	= 0.036"
POSITIVE	= 0.235 IN ³
NEGATIVE	= 0.246 IN ³
	= 0.22 IN ³

- NOTES:**
1. TYPICAL ATTACHMENT TO BE #10-16 TEKS/3 OR 1/2" DIAMETER SPOT (PUDDLE) WELDS.
 2. PROVIDE #10-16 TEKS/3 @ 12" O.C. OR 1/2" DIAMETER SPOT (PUDDLE) WELDS AT 12" O.C. AT SUPPORTS PARALLEL WITH FLUTES & @ AT SEAMS

20 1 1/2" = 1'-0" MTL Deck Section Properties

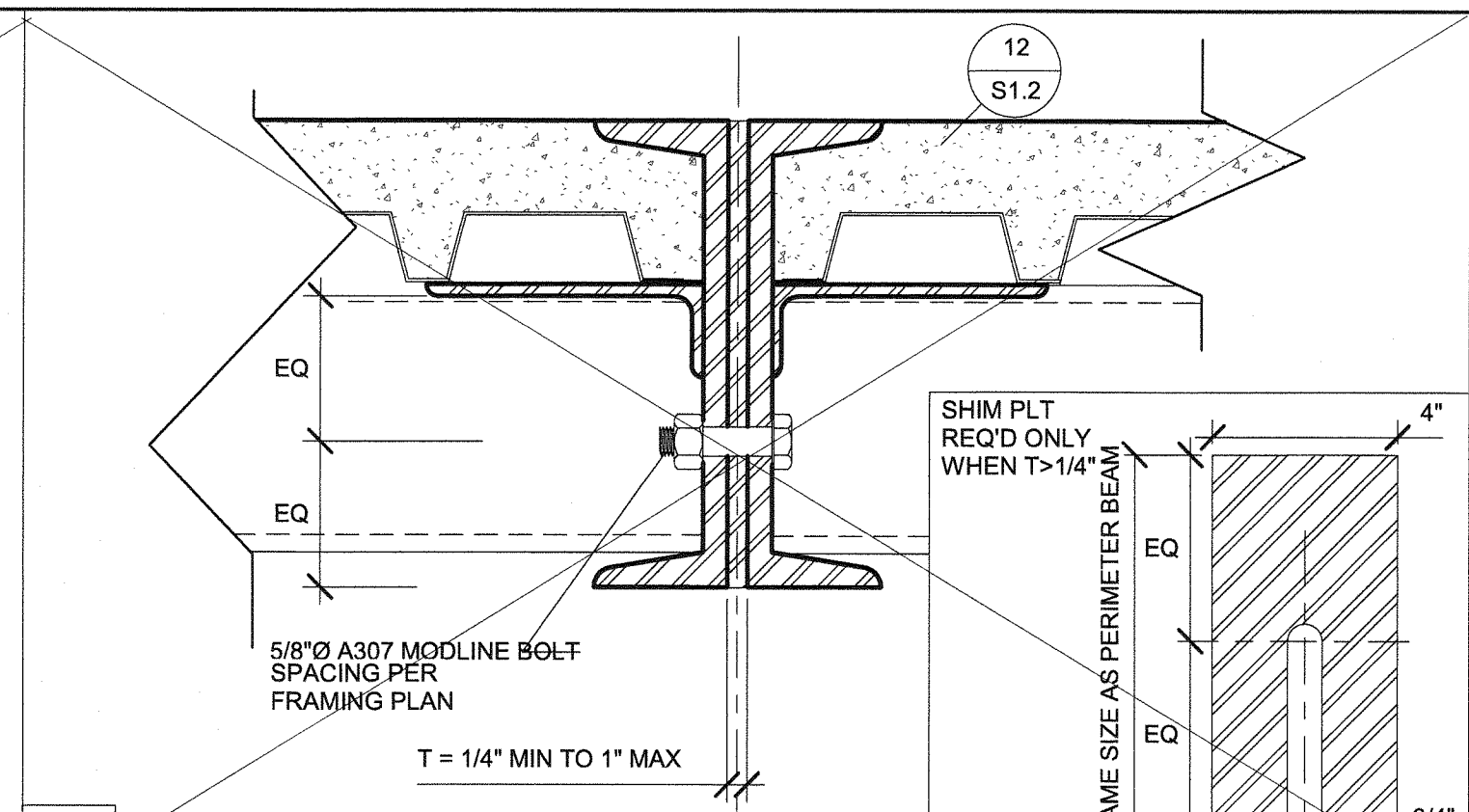


7 1 1/2" = 1'-0" Mid-Span Column Connection

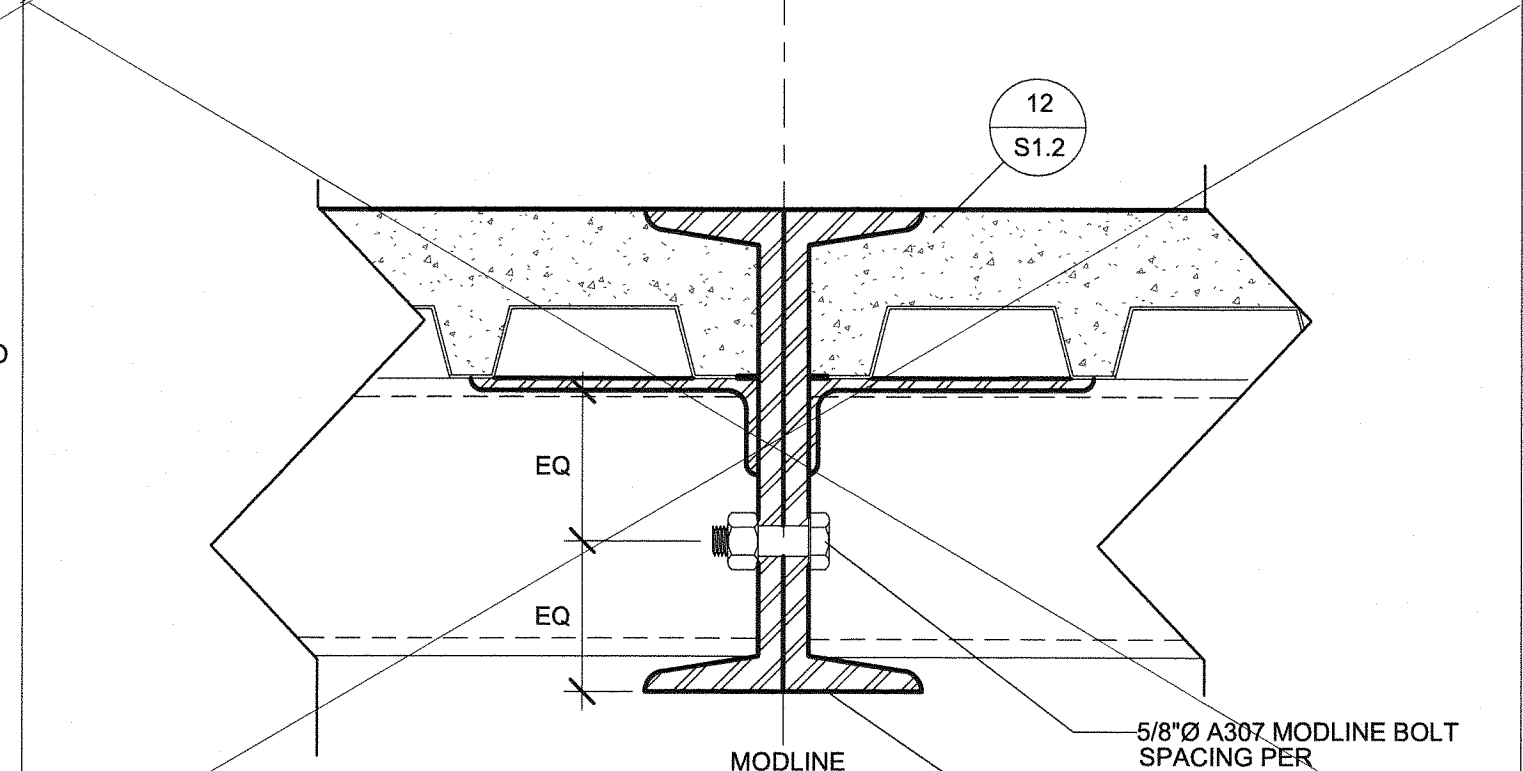


1. THIS DETAIL IS FOR USE ONLY FOR OPENINGS OR OPENING GROUPS THAT ARE 0'-9" OR SMALLER.
2. OPENINGS 2" OR LESS NOT OCCURRING IN THE LOWER FLUTE DO NOT REQUIRE REINFORCING AND MAY BE CORED THRU THE CONCRETE.
3. IF "D" IS LESS THAN 32" THEN THE GROUP OF OPENINGS MUST BE BLOCKED OUT WITH ADDITIONAL FRAMING.
4. PRIOR TO CONCRETE POUR, BLOCK OUT THE OPENINGS. AFTER THE CONCRETE HAS BEEN CURED THE DECK MAY BE CUT.

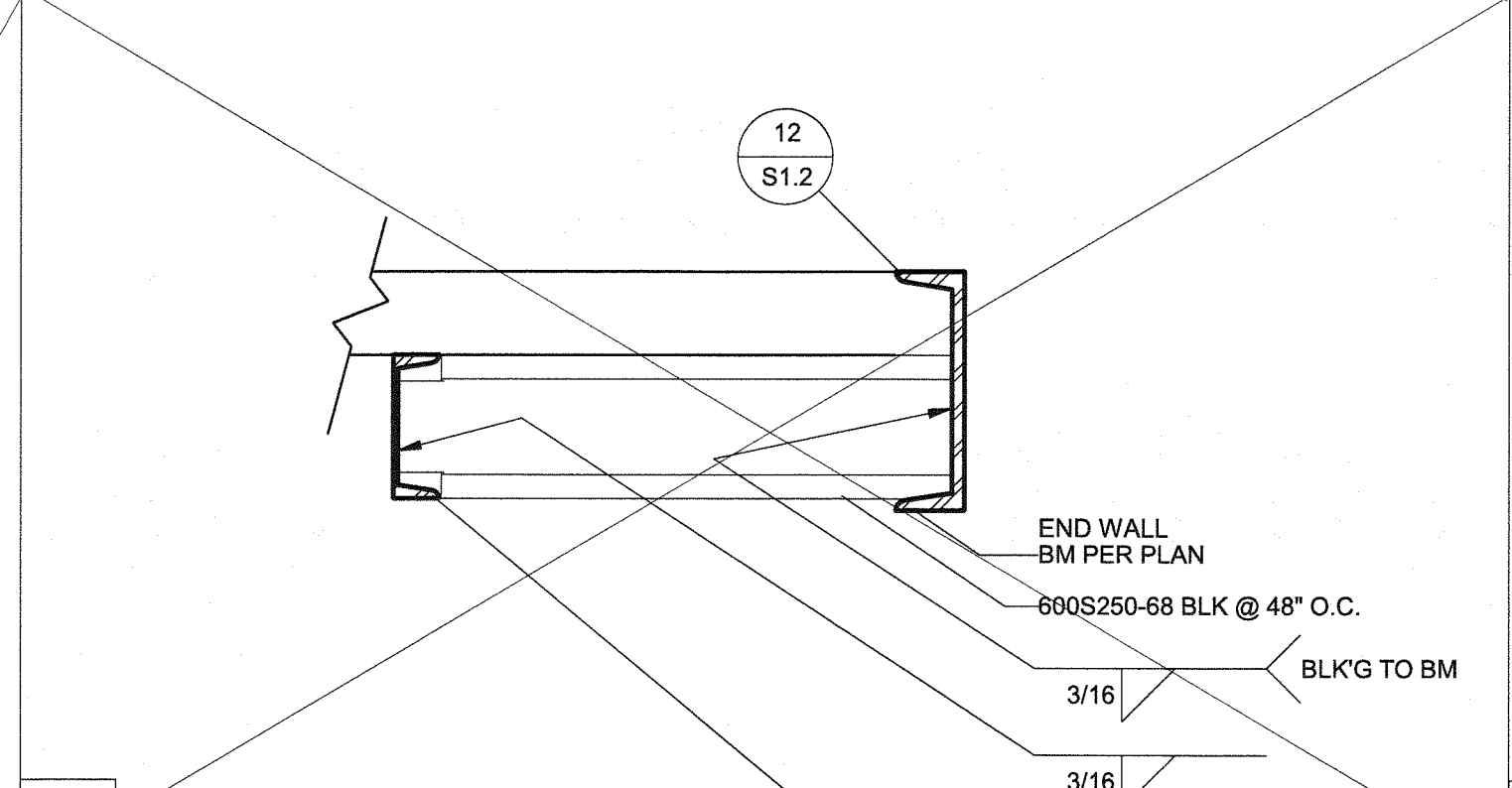
16 1 1/2" = 1'-0" Typ Deck Penetrations (CONC FLR)



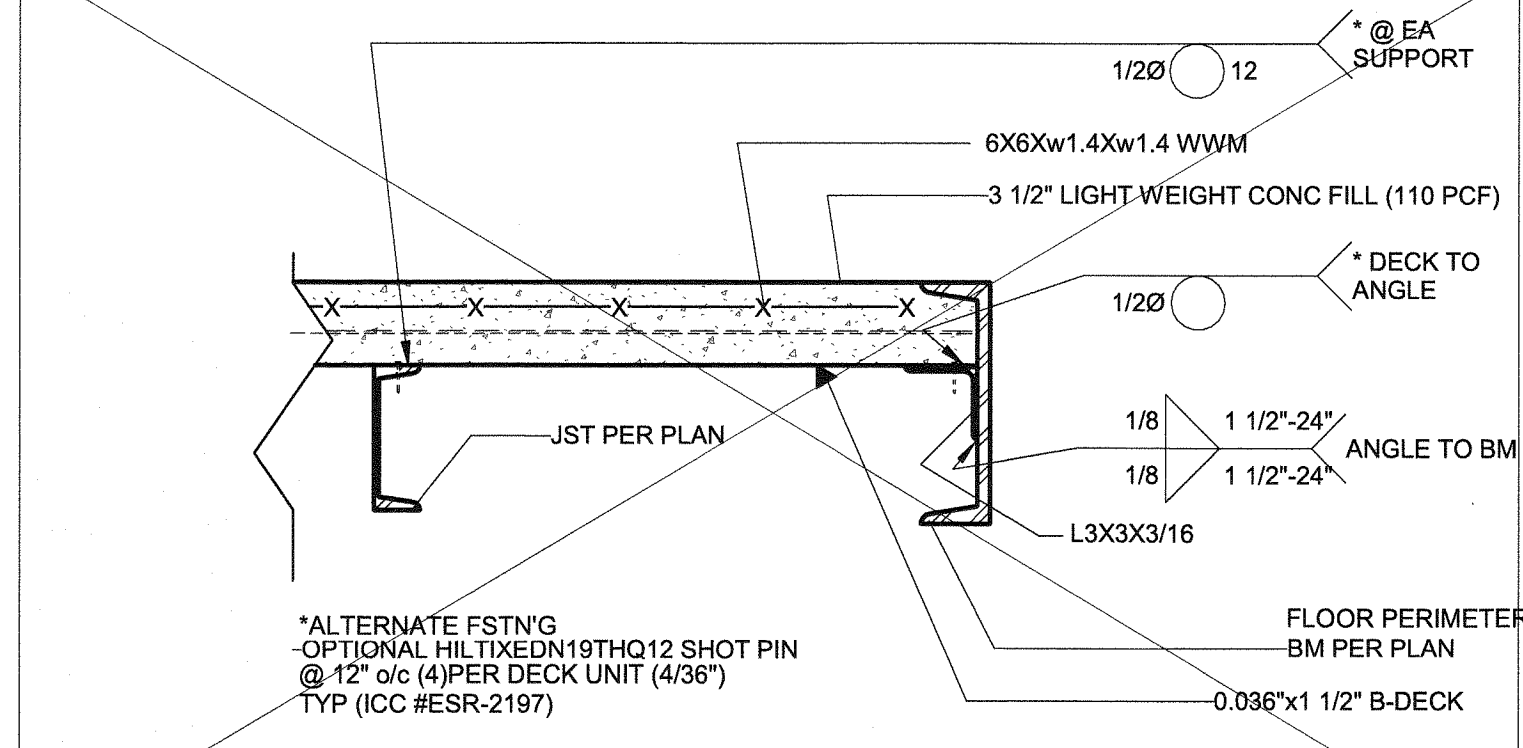
15 3" = 1'-0" Fir @ ML w/ Shim (CONC FLR)



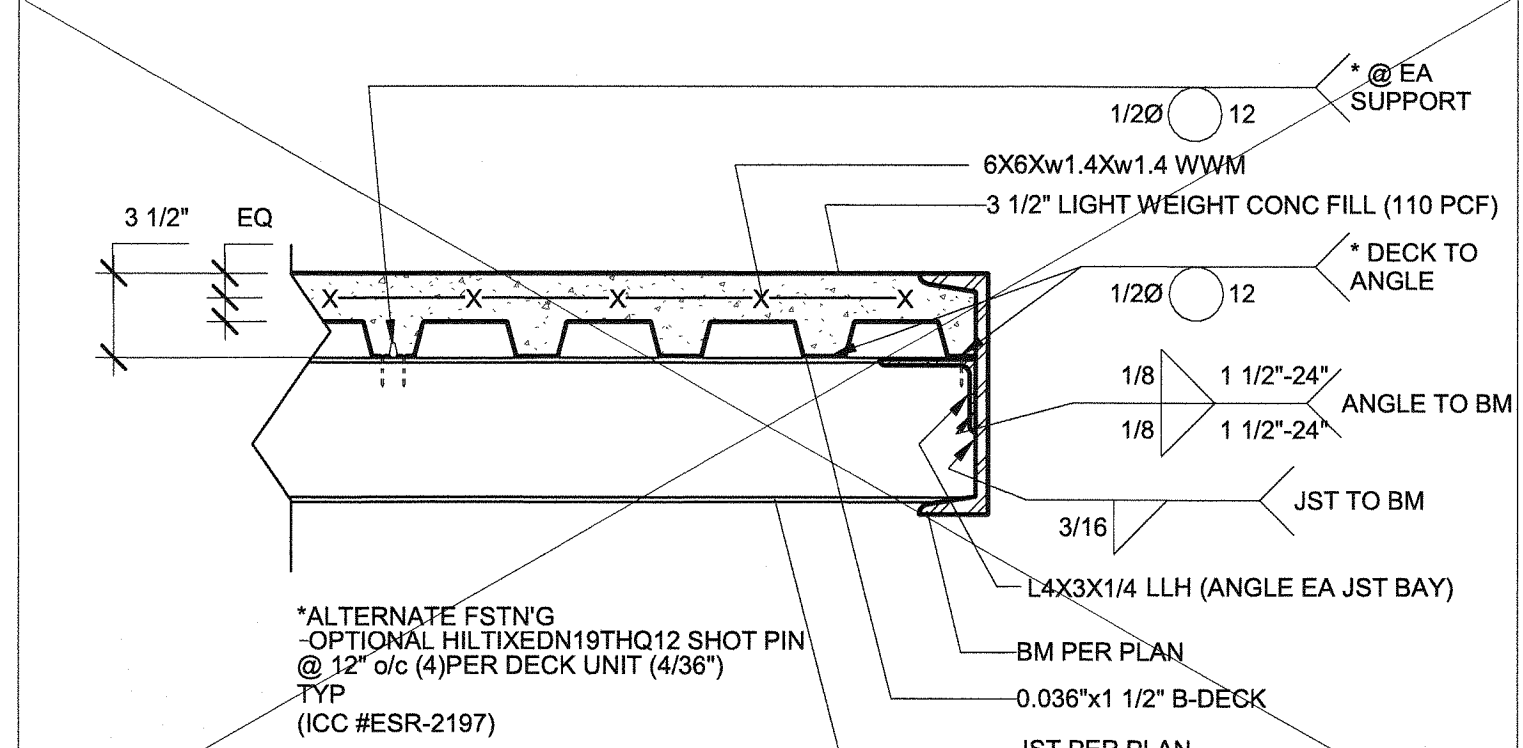
14 3" = 1'-0" Fir @ ML (CONC FLR)1



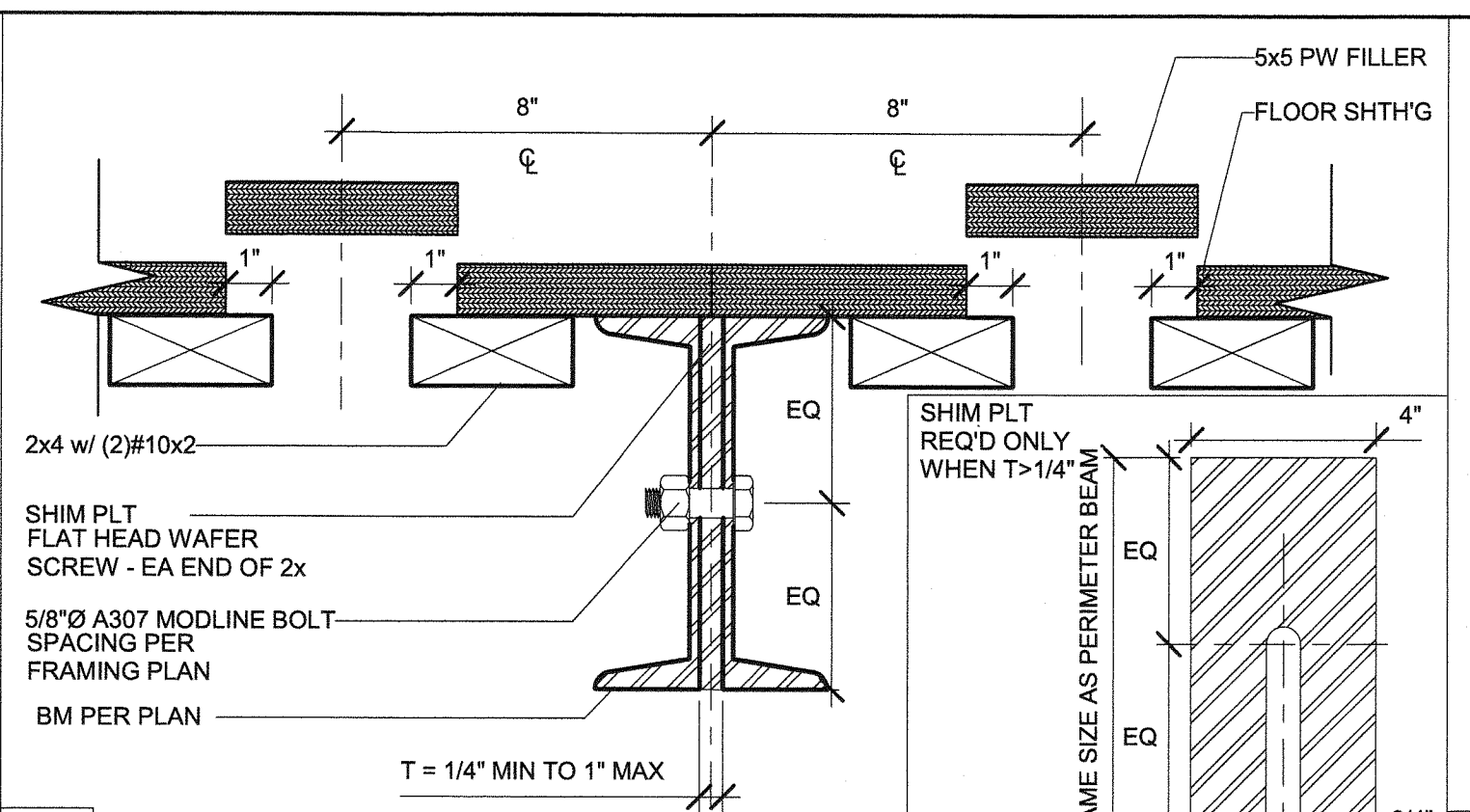
13 1 1/2" = 1'-0" Typ Blocking (CONC FLR)



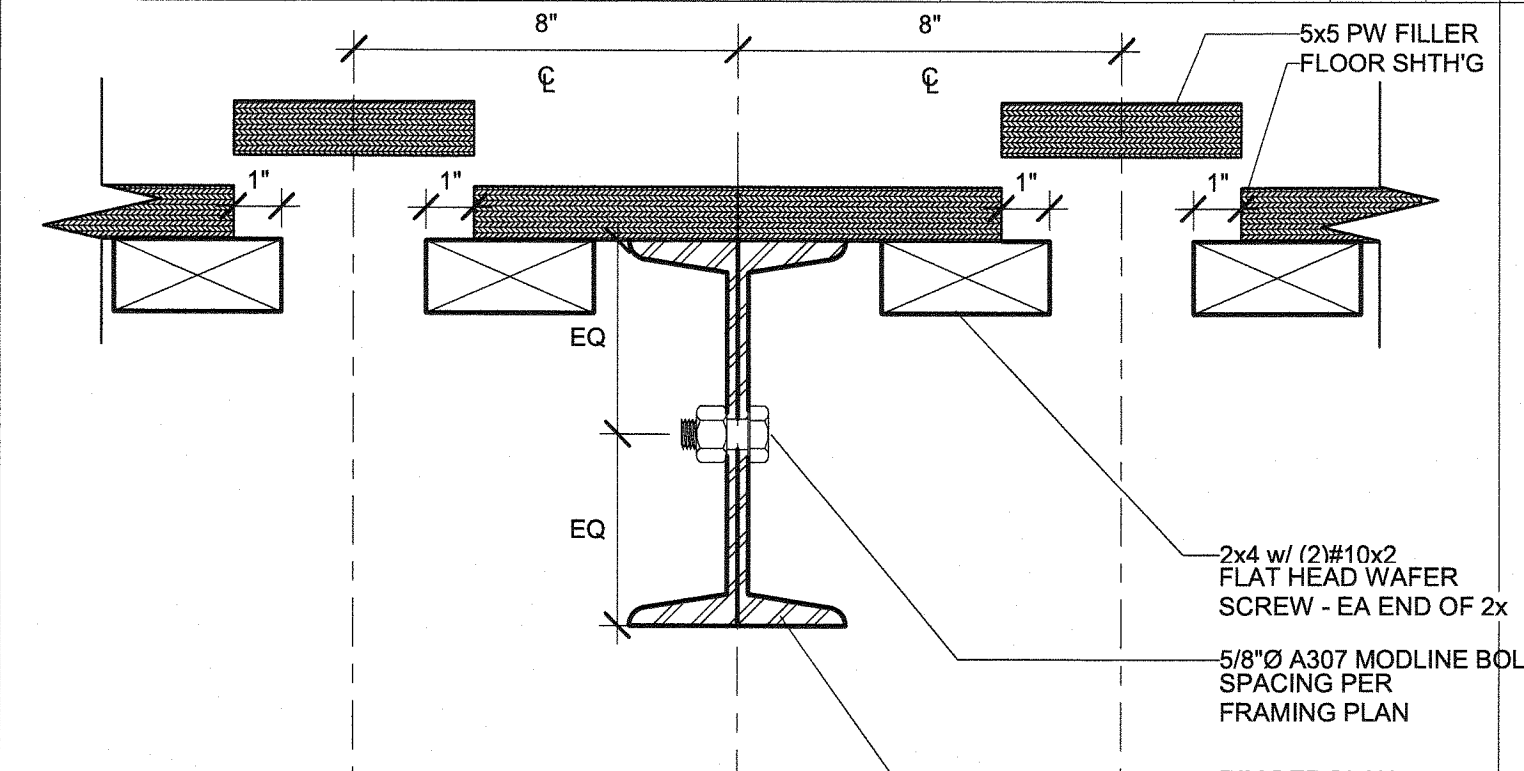
12 1 1/2" = 1'-0" Typ End Beam Connection @ Perimeter (CONC FLR)



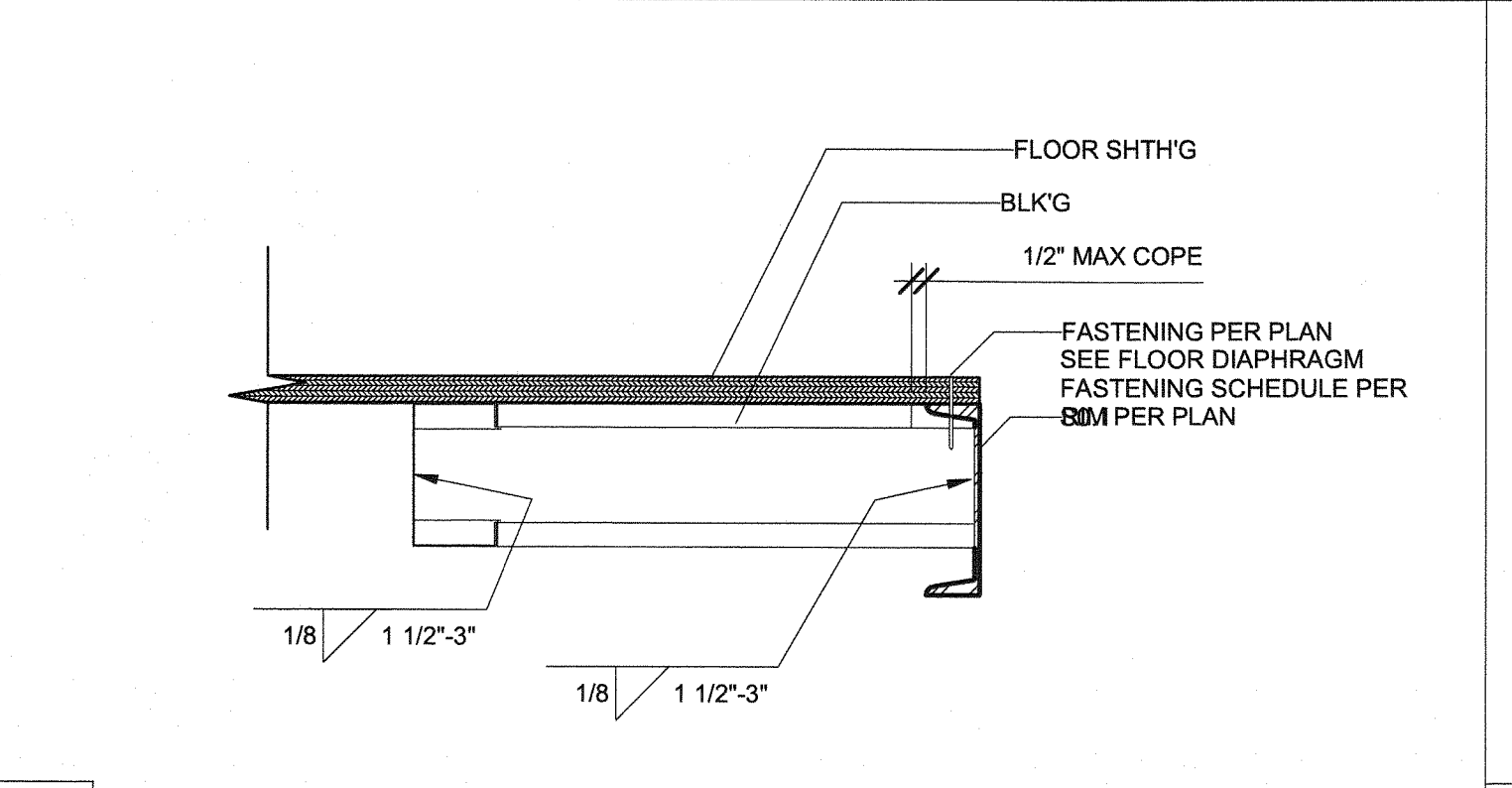
11 1 1/2" = 1'-0" Typ Side Beam Connection @ Perimeter (CONC FLR)



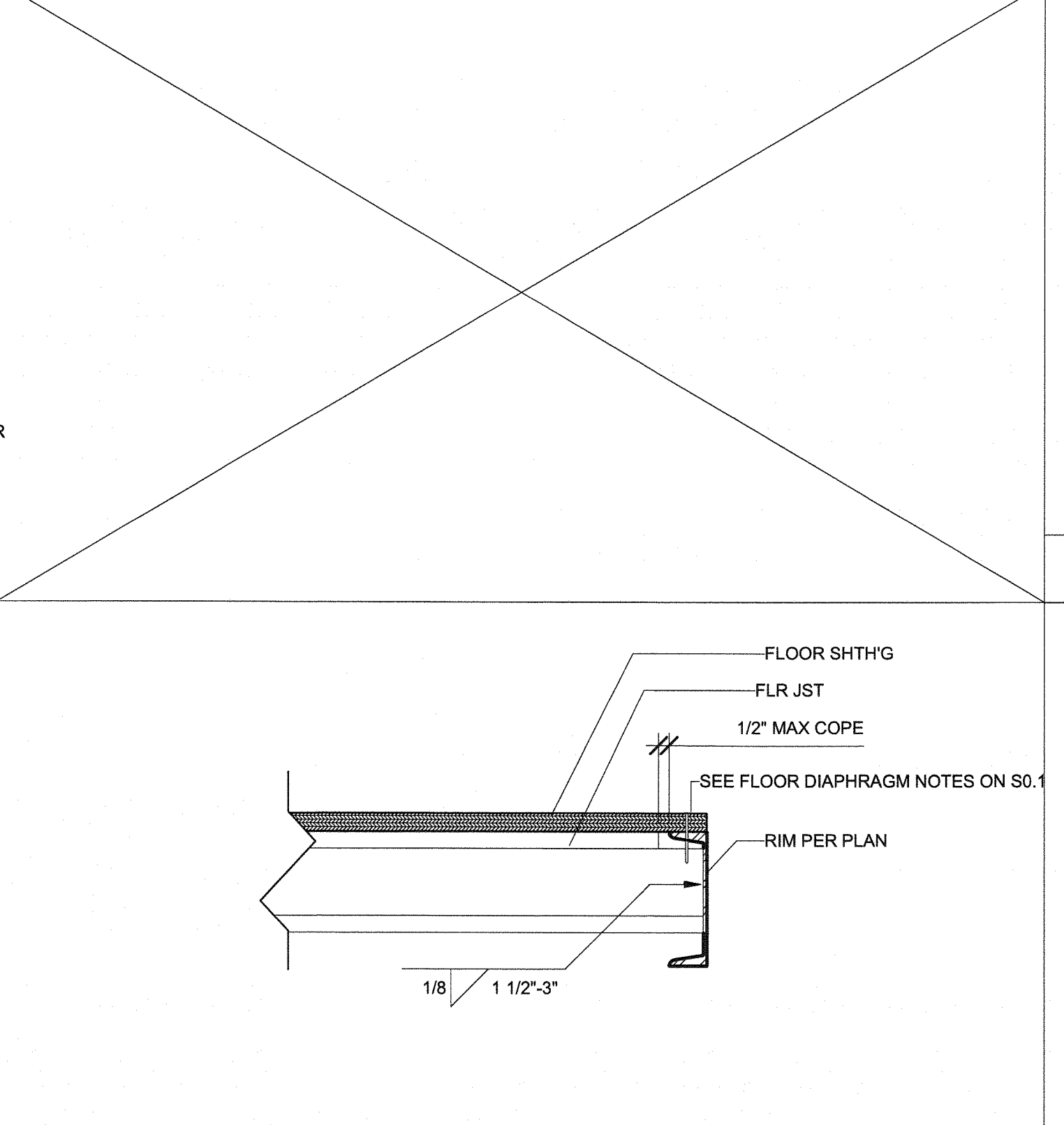
10 3" = 1'-0" Fir @ ML w/ Shim (WD FLR)



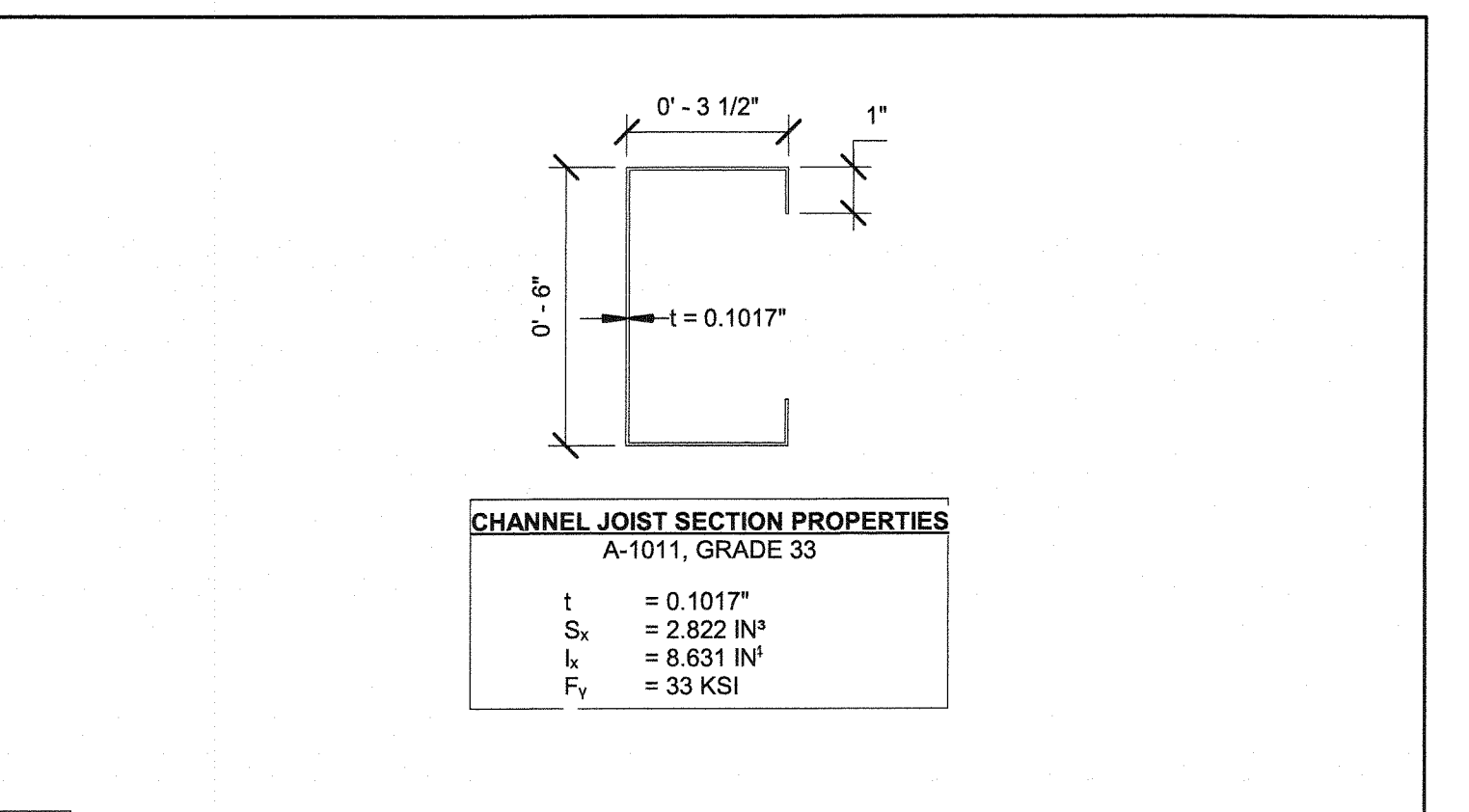
9 3" = 1'-0" Fir @ ML (WD FLR)1



8 1 1/2" = 1'-0" Typ Blk'g Connection @ Rim (WD FLR)



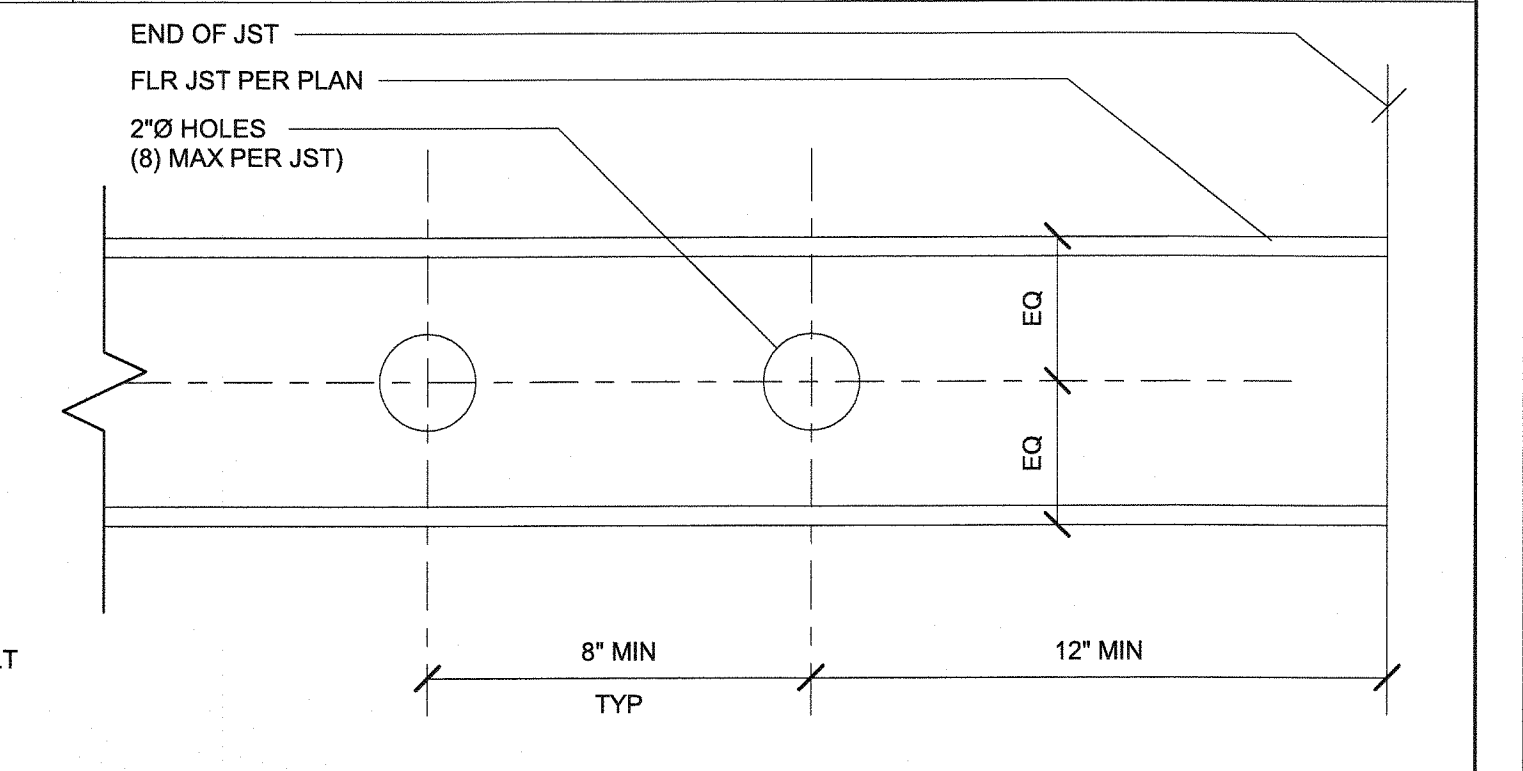
6 1 1/2" = 1'-0" Typ Joist Connection @ Rim (WD FLR)



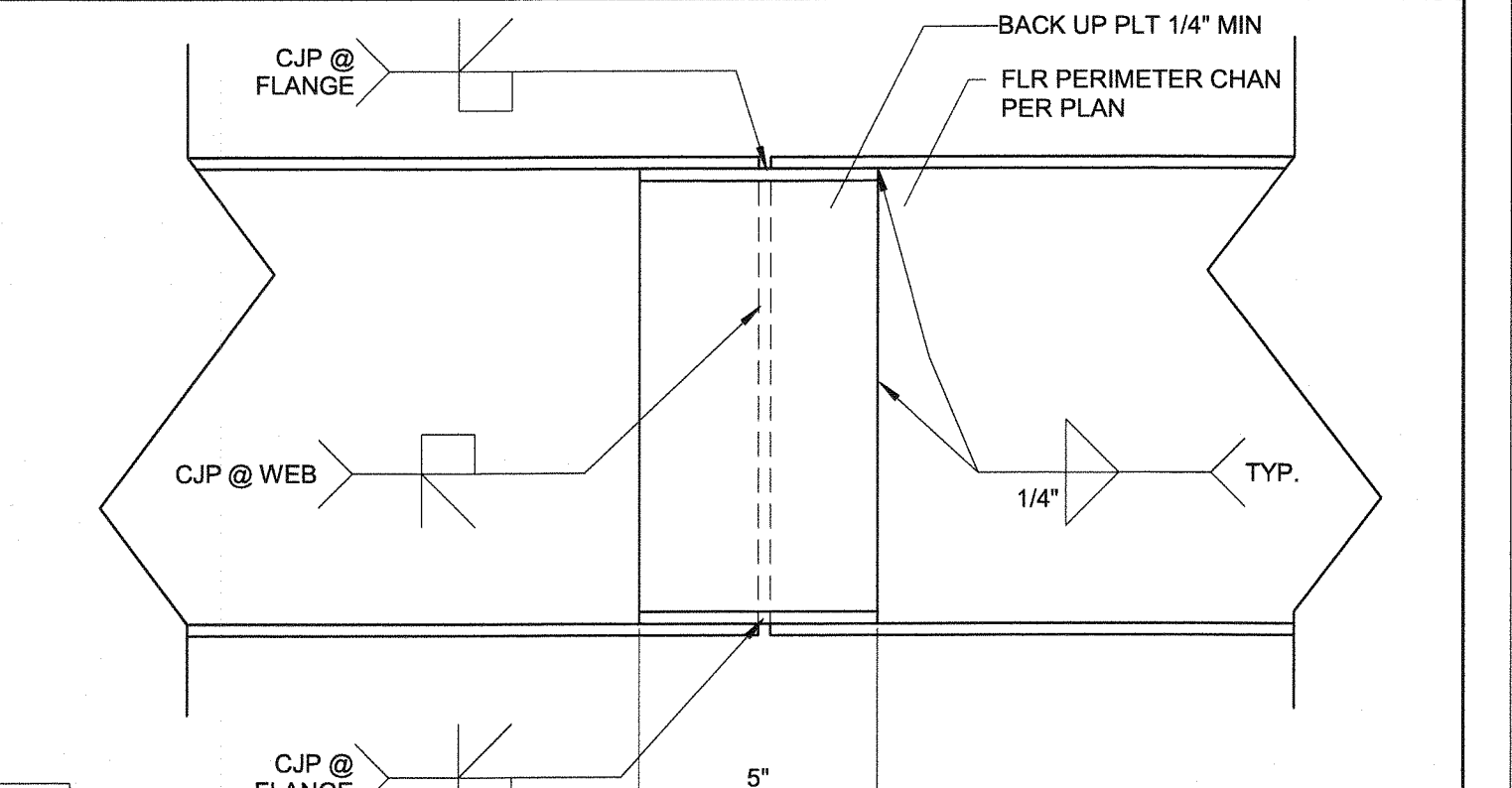
CHANNEL JOIST SECTION PROPERTIES
A-1011, GRADE 33

t	= 0.1017"
S _x	= 2.822 IN ³
I _x	= 8.631 IN ⁴
F _y	= 33 KSI

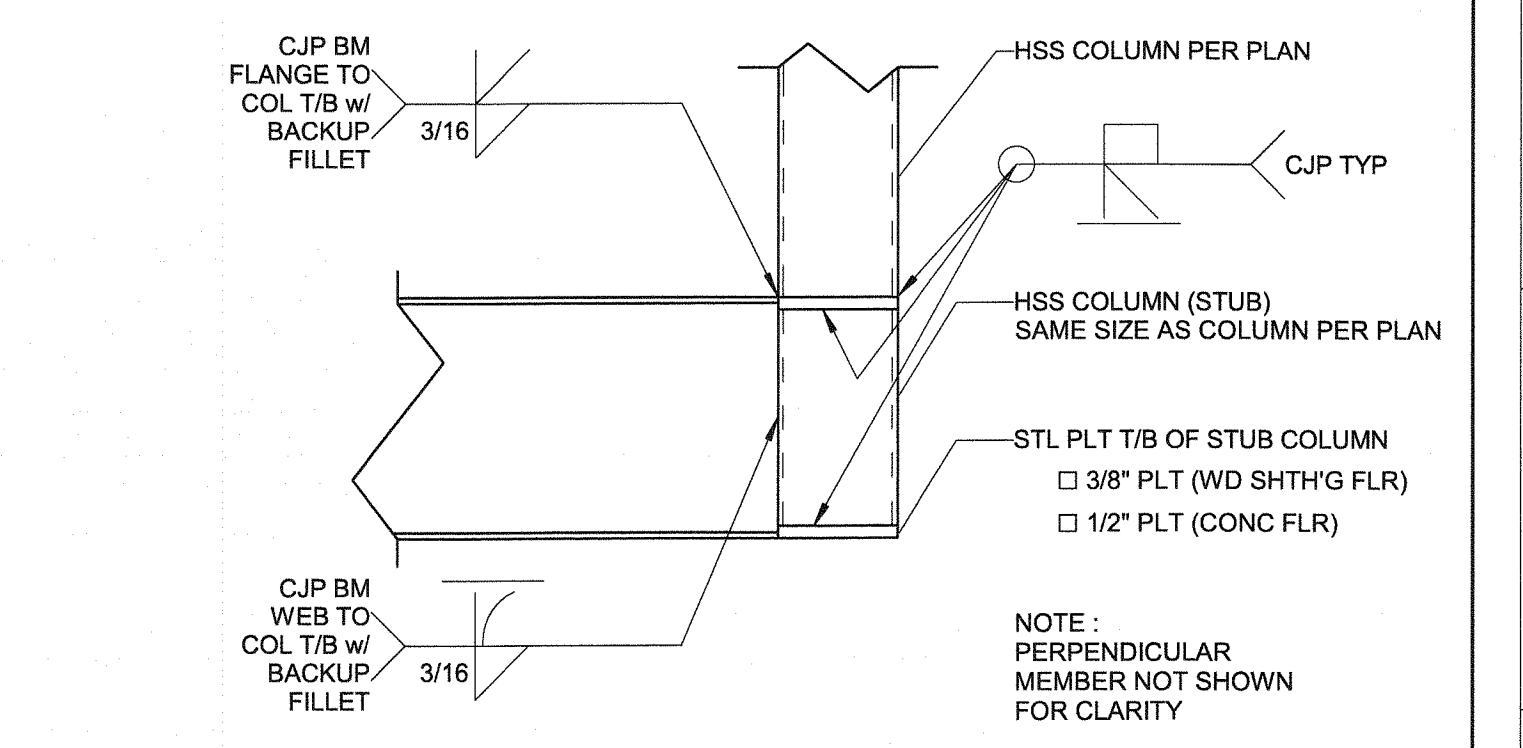
5 3" = 1'-0" Channel Joist Section Properties (600S350-97)



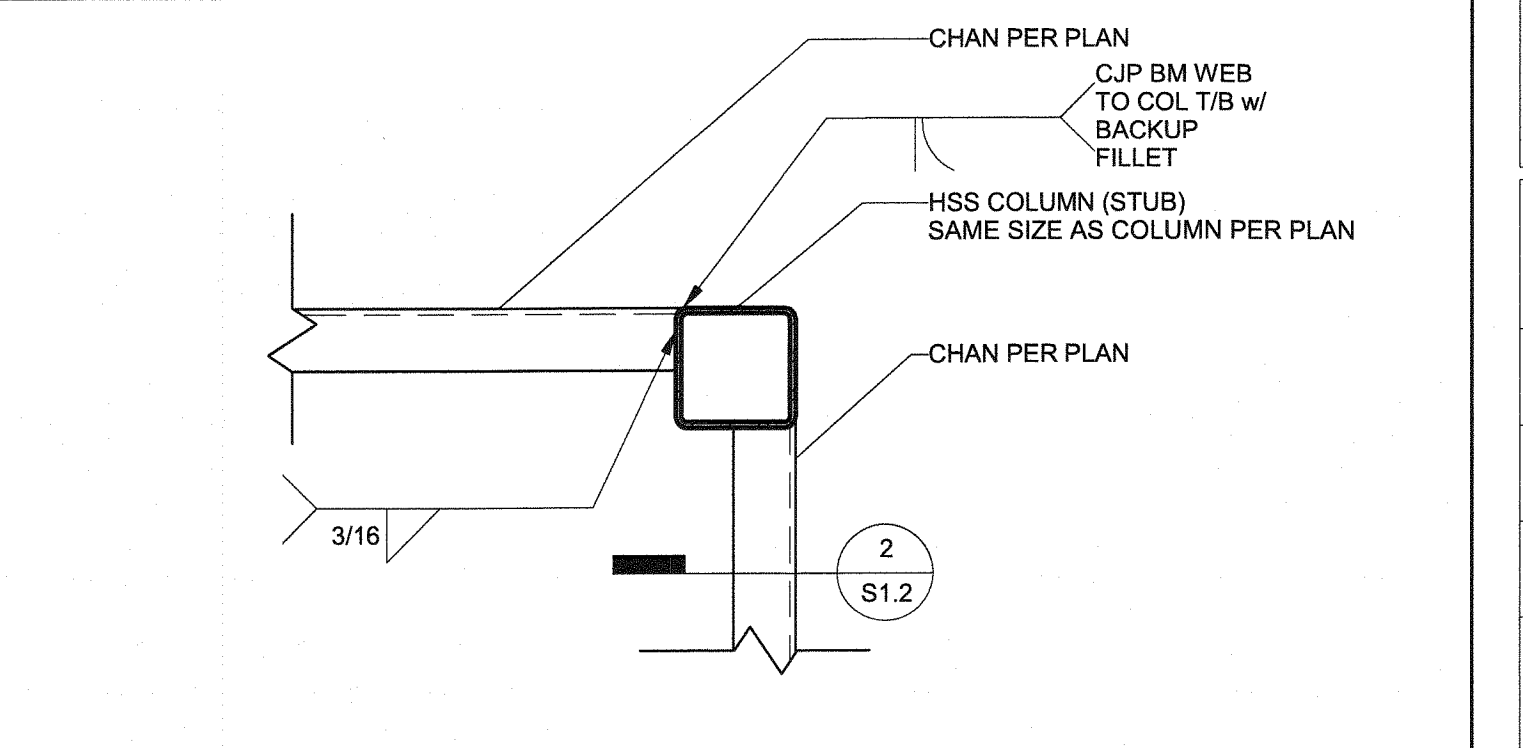
4 3" = 1'-0" Elevation - Allowable Jst Holes



3 3" = 1'-0" Fir Perimeter Beam Splice



2 1 1/2" = 1'-0" Typ Fir Bm to Column Connection



1 1 1/2" = 1'-0" Typ Corner Connection

R&S TAVARES ASSOCIATES
DESIGN & CONSULTING PROJECT
11777 BERNARDO PLAZA COURT, SUITE 105
SAN DIEGO, CA 92128
WWW.R&STAVARES.COM

PROFESSIONAL STAMP
RECORDED PROFESSIONAL SEAL
MANUEL D. FERRER
REGISTERED PROFESSIONAL ARCHITECT
STATE OF CALIFORNIA
12/19/2017

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CLIENT
CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
FILE NUMBER: PC-128
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116504 INCR: 0
AC, RM, FL, S, EA, SBR, KER
DATE: 07/19/2018

PROJECT TITLE
24' x 40' EXPANDABLE TO 120' x 40'

PRE-CHECK (PC) DOCUMENT
Code: | 2016 | CBC
A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 119164
ACS, FL, S, SS
DATE: MAR 12 2020

Revision Schedule

#	Description	Date

SHEET TITLE
STRUCTURAL DETAILS (FLOOR)

PROJECT NUMBER
17016A

DRAWN BY
rMc/SC

CHECKED BY
JA/RT

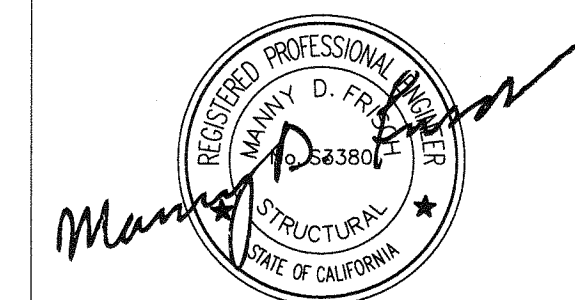
DATE
2017/06/05

SHEET NO.
S1.2

SHEET OF SHEETS

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PROFESSIONAL STAMP



12/19/2017

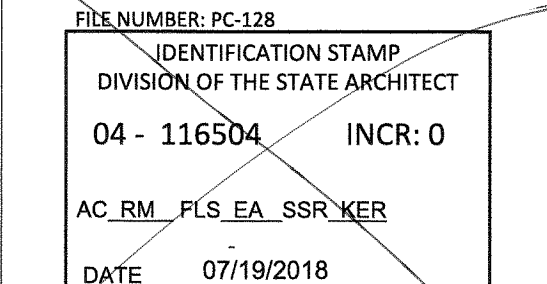
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 Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

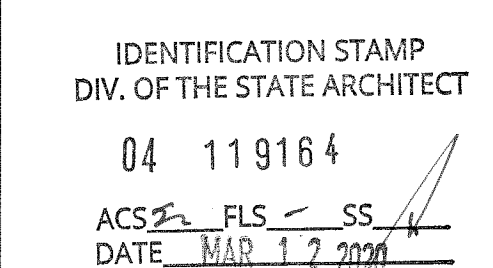


PROJECT TITLE

**24' x 40'
 EXPANDABLE TO
 120' x 40'**

PRE-CHECK (PC) DOCUMENT
 Code: [2016] CBC
 A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL



Revision Schedule

#	Description	Date

SHEET TITLE

**MONO SLOPE
 ROOF FRM'G PLAN**

PROJECT NUMBER

17016A

DRAWN BY

rMc/SC

CHECKED BY

JART

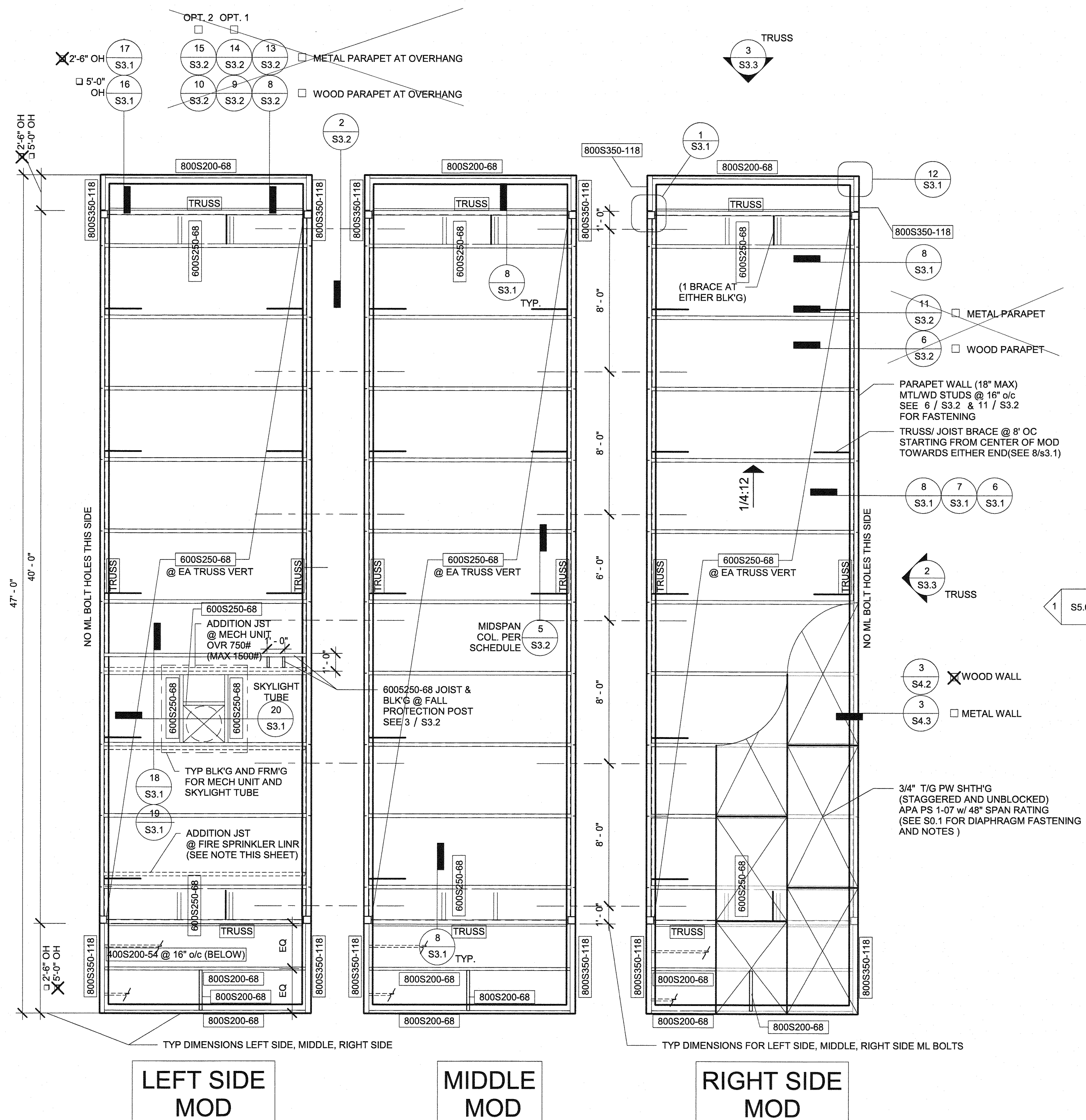
DATE

2017/06/05

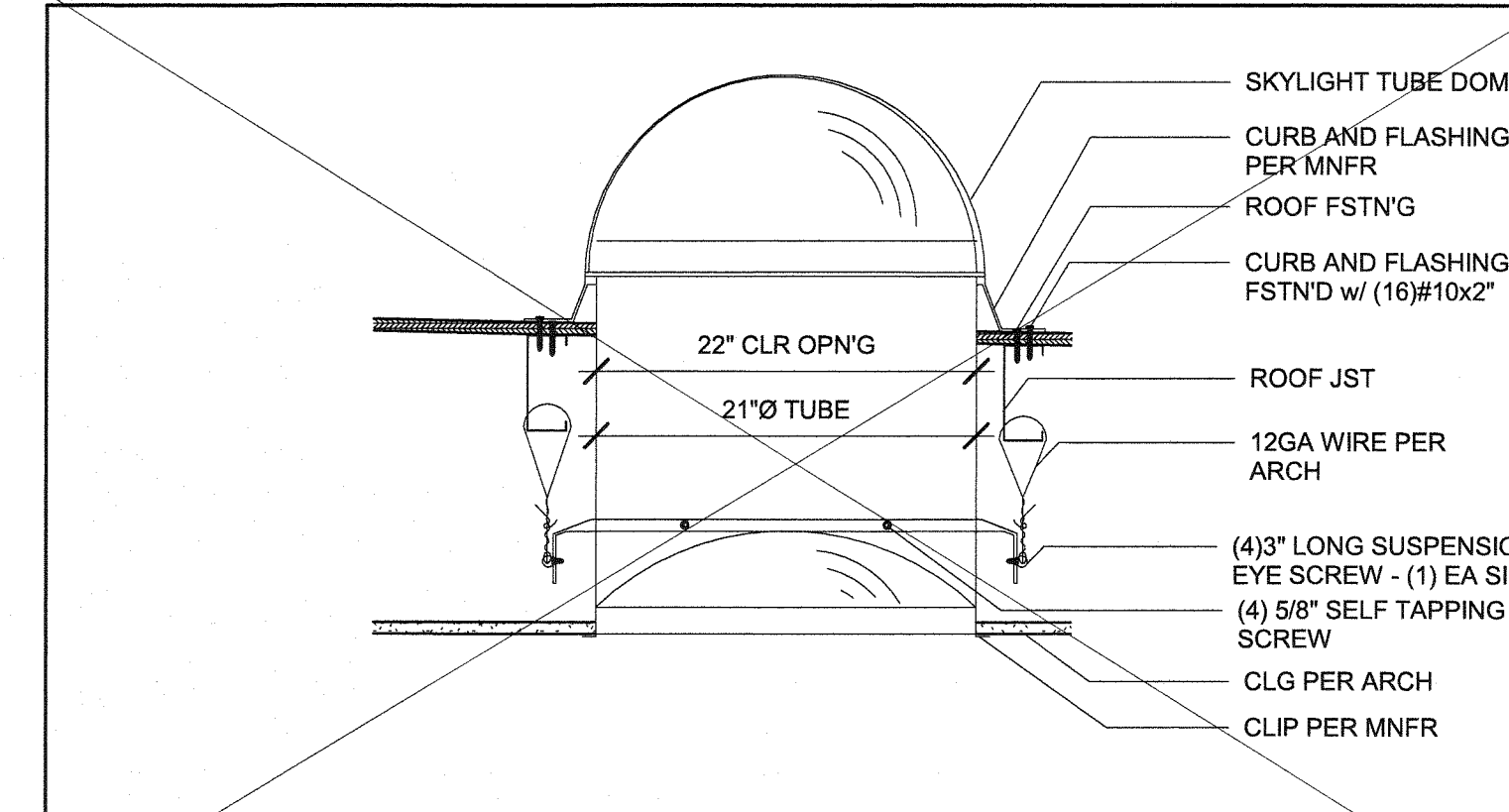
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S3.0.1

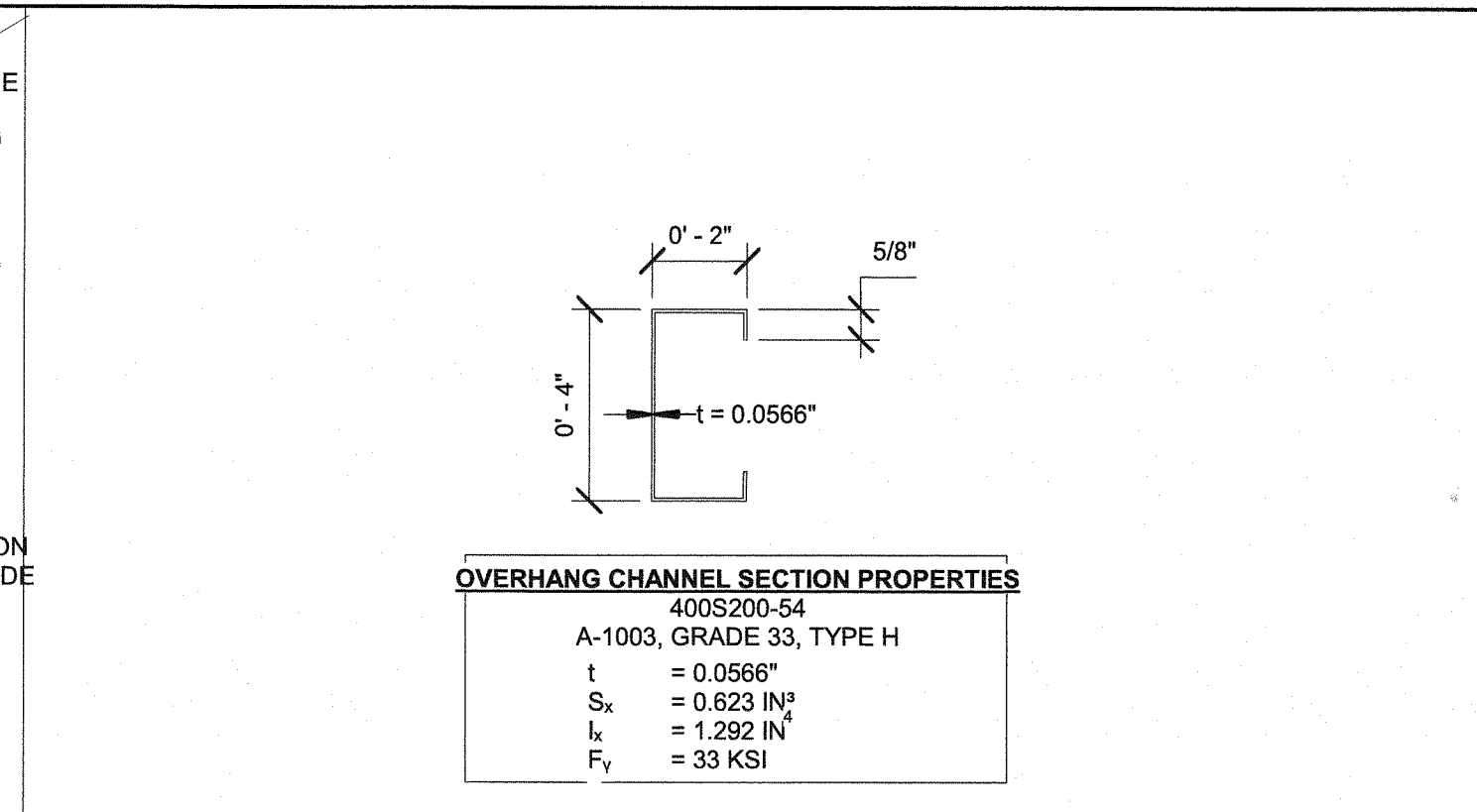
SHEET OF SHEETS



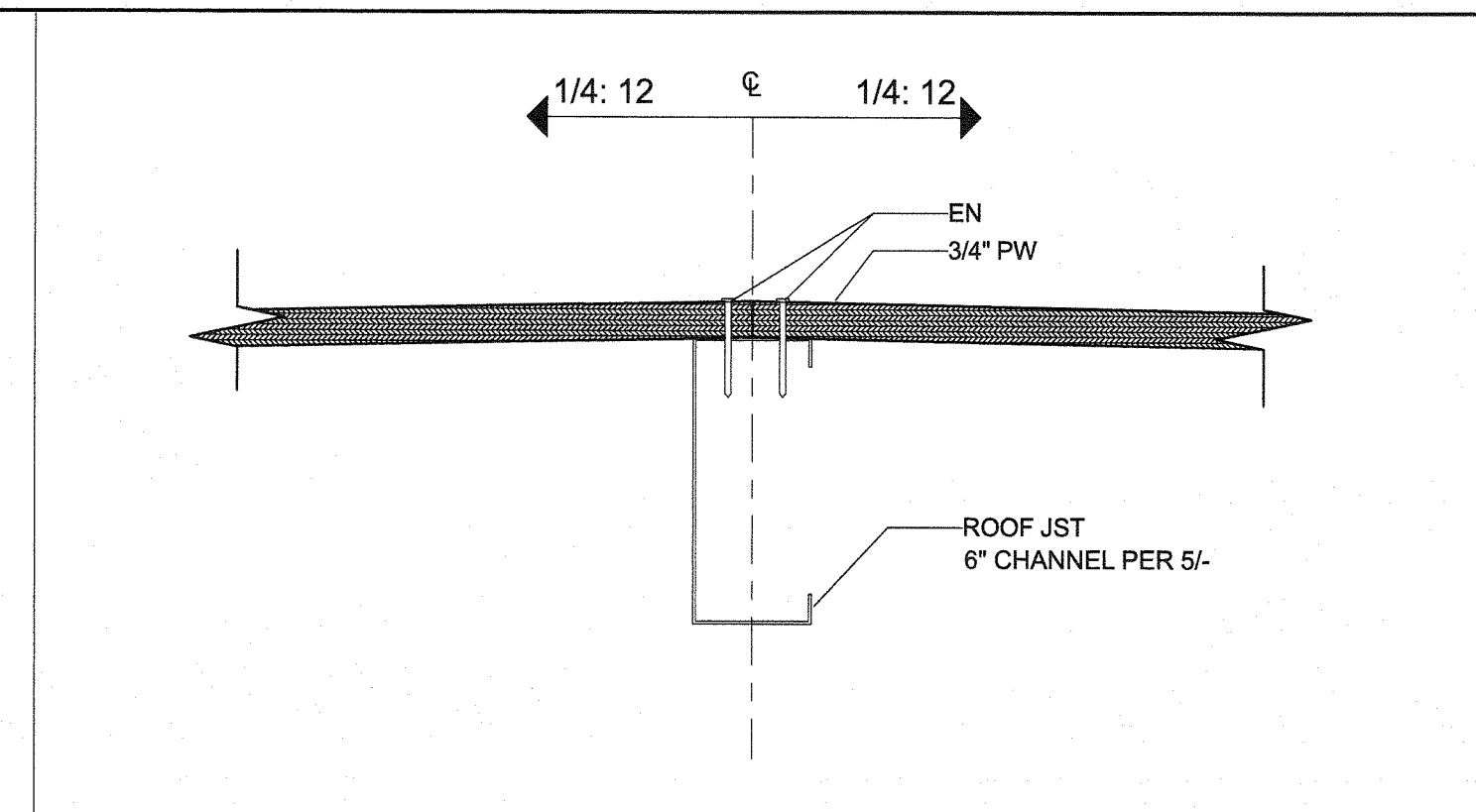
NOTES:
 FIRE SPRINKLER
 ADDITIONAL ROOF JOIST FOR FIRE SPRINKLER LINE AS REQ'D
 LOCATION OF FIRE SPRINKLER AND ADDITIONAL JOIST TO BE DETERMINED



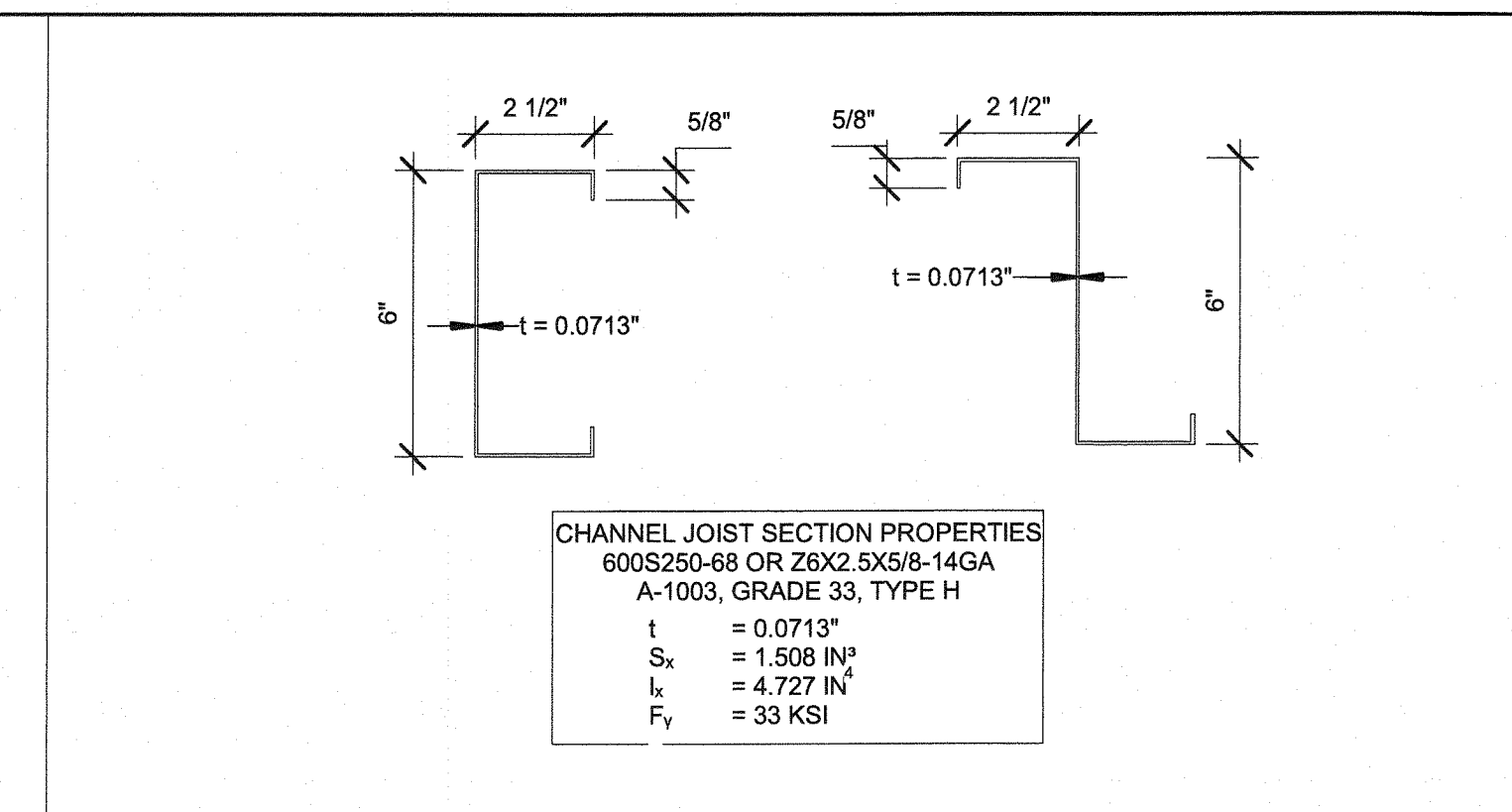
20 1" = 1'-0" SKYLIGHT TUBE



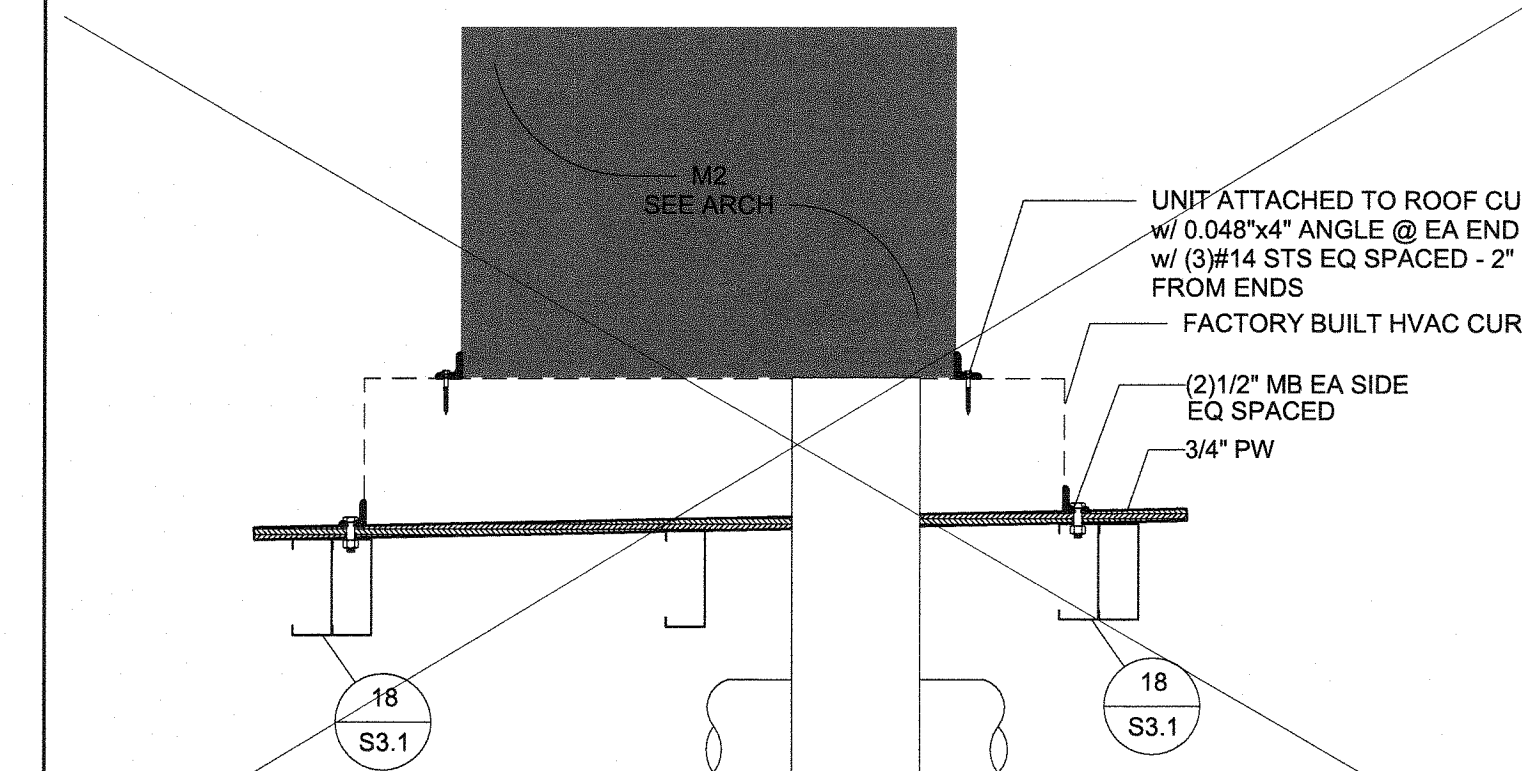
15 3" = 1'-0" Soffit Channel Section Properties



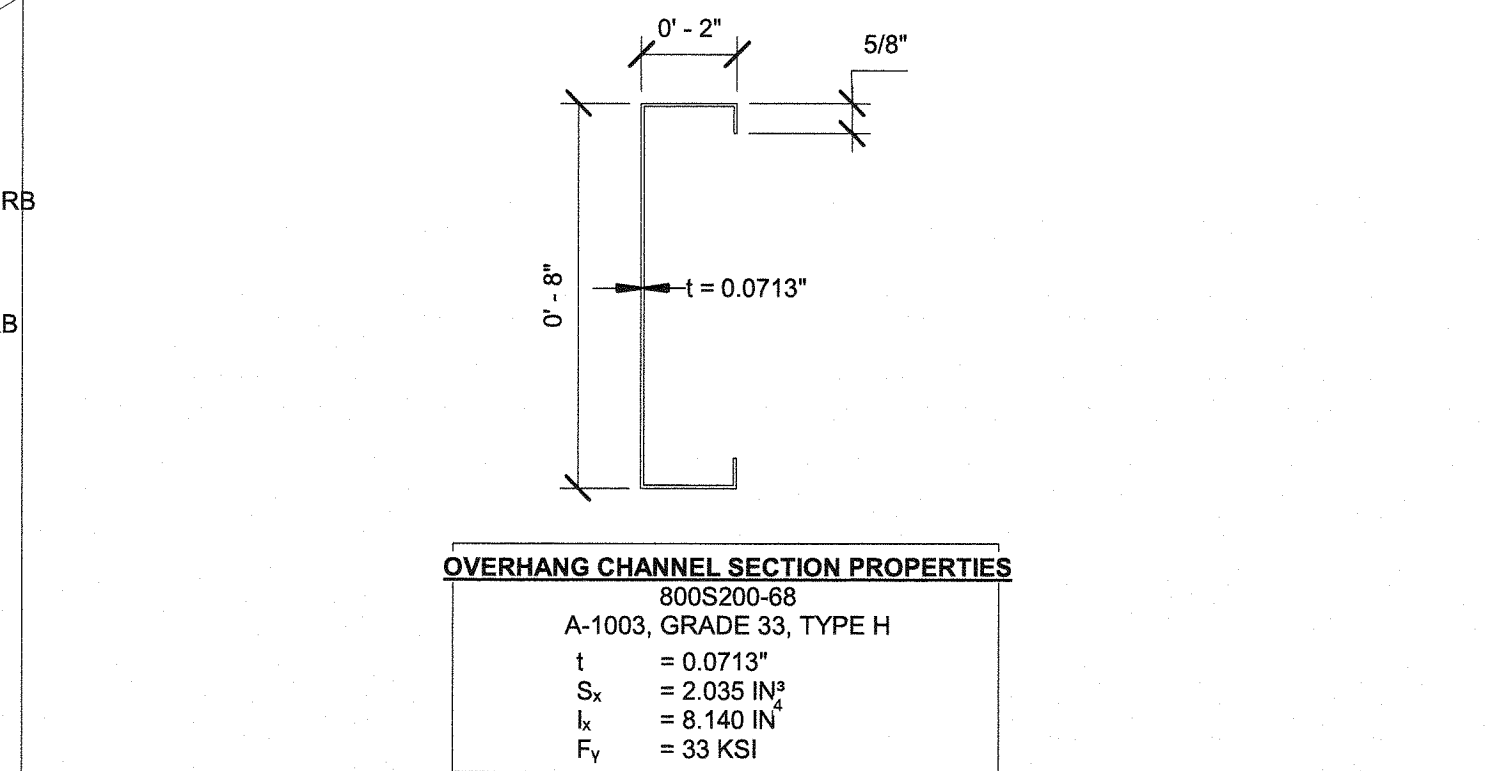
10 3" = 1'-0" Roof @ Ridge



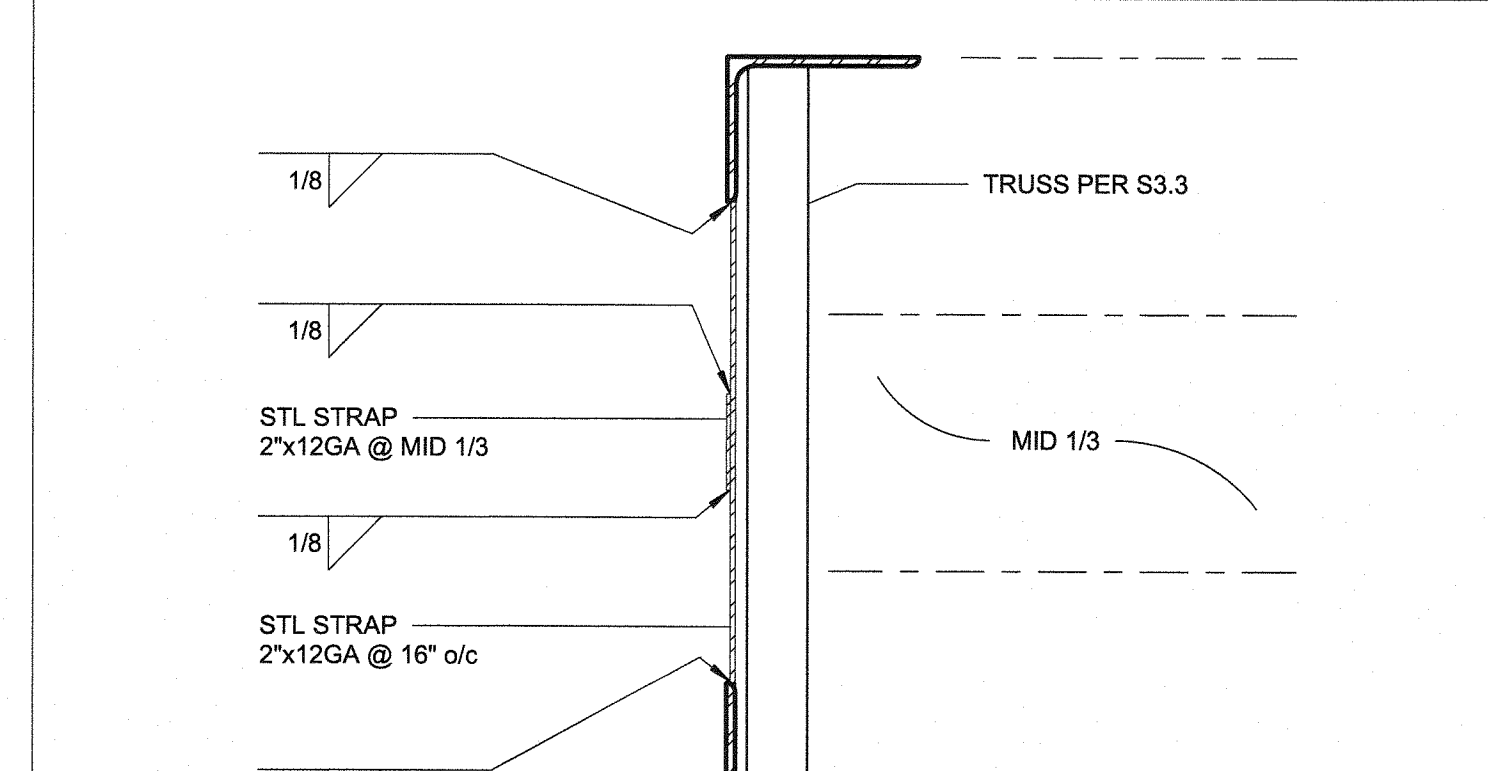
5 3" = 1'-0" Roof Channel Joist Section Properties



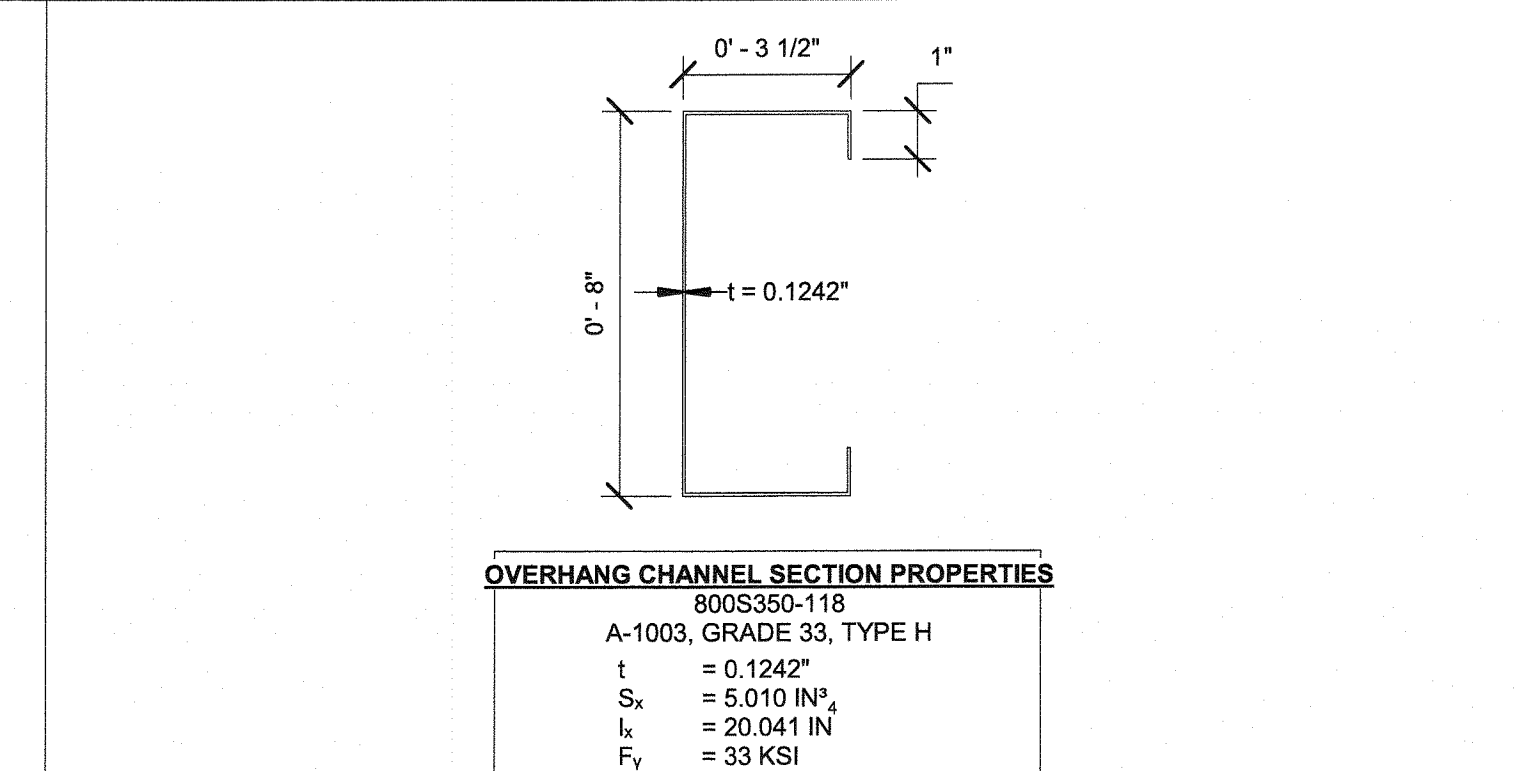
19 1" = 1'-0" HVAC



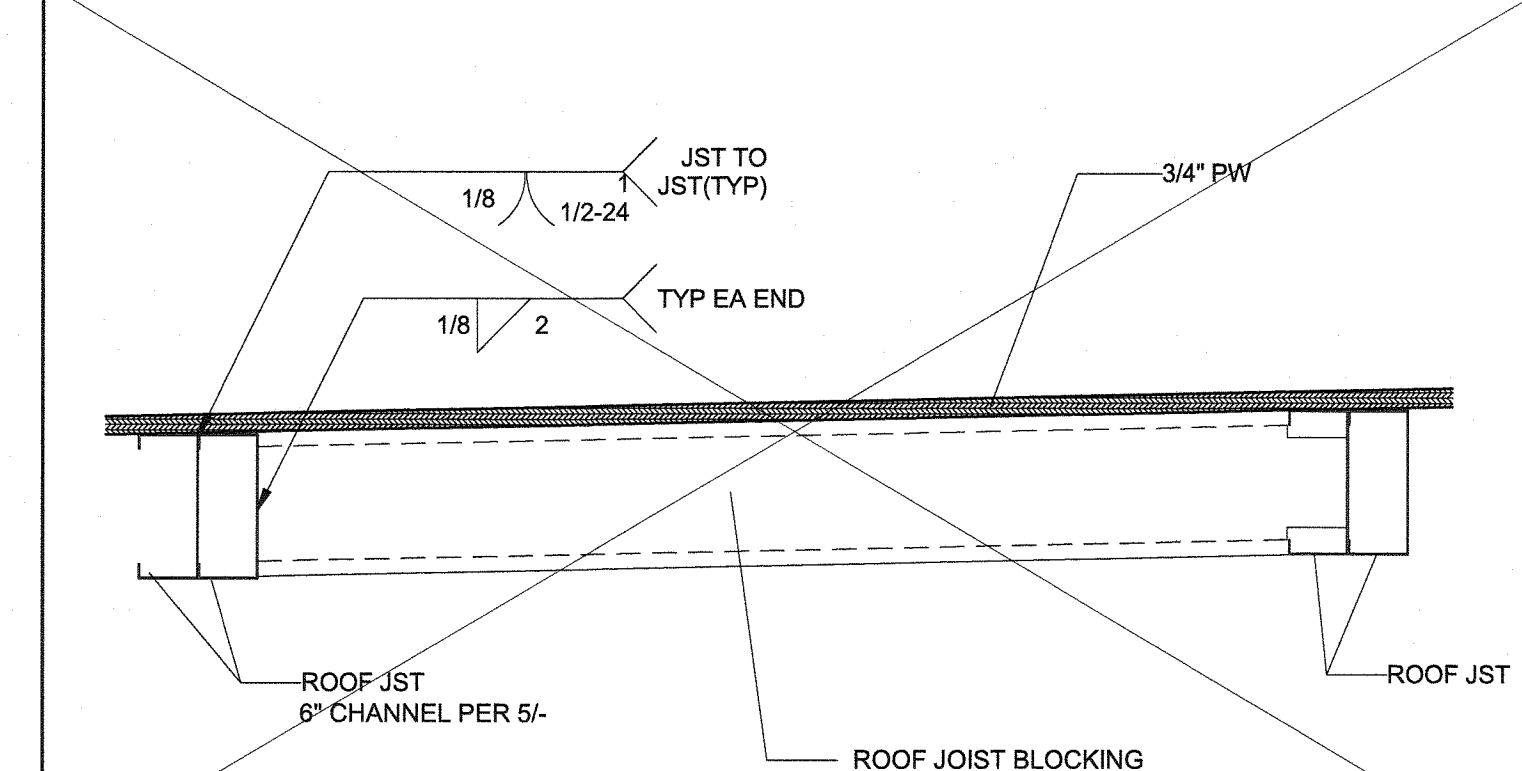
14 3" = 1'-0" Fascia Channel Section Properties



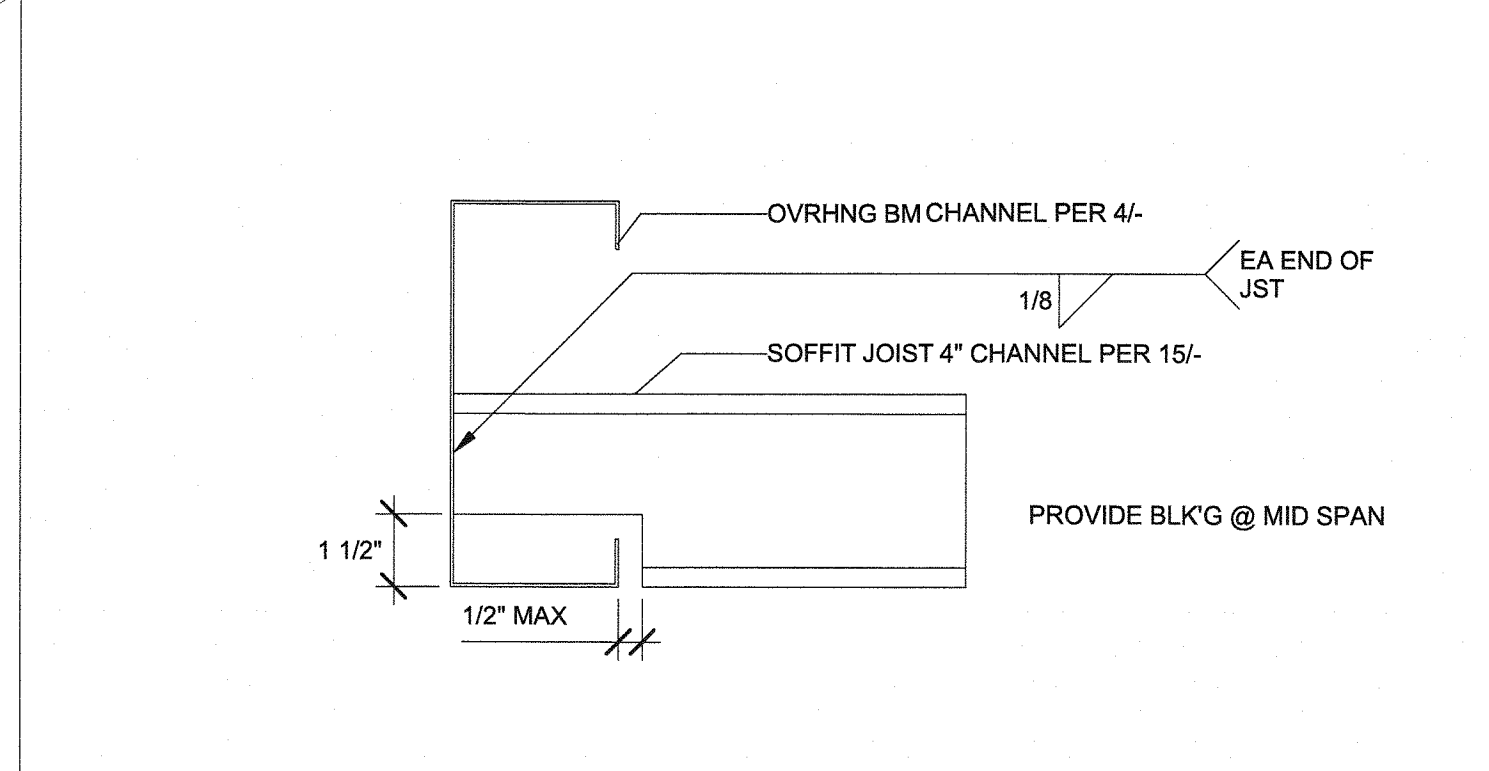
10 3" = 1'-0" Roof @ Ridge



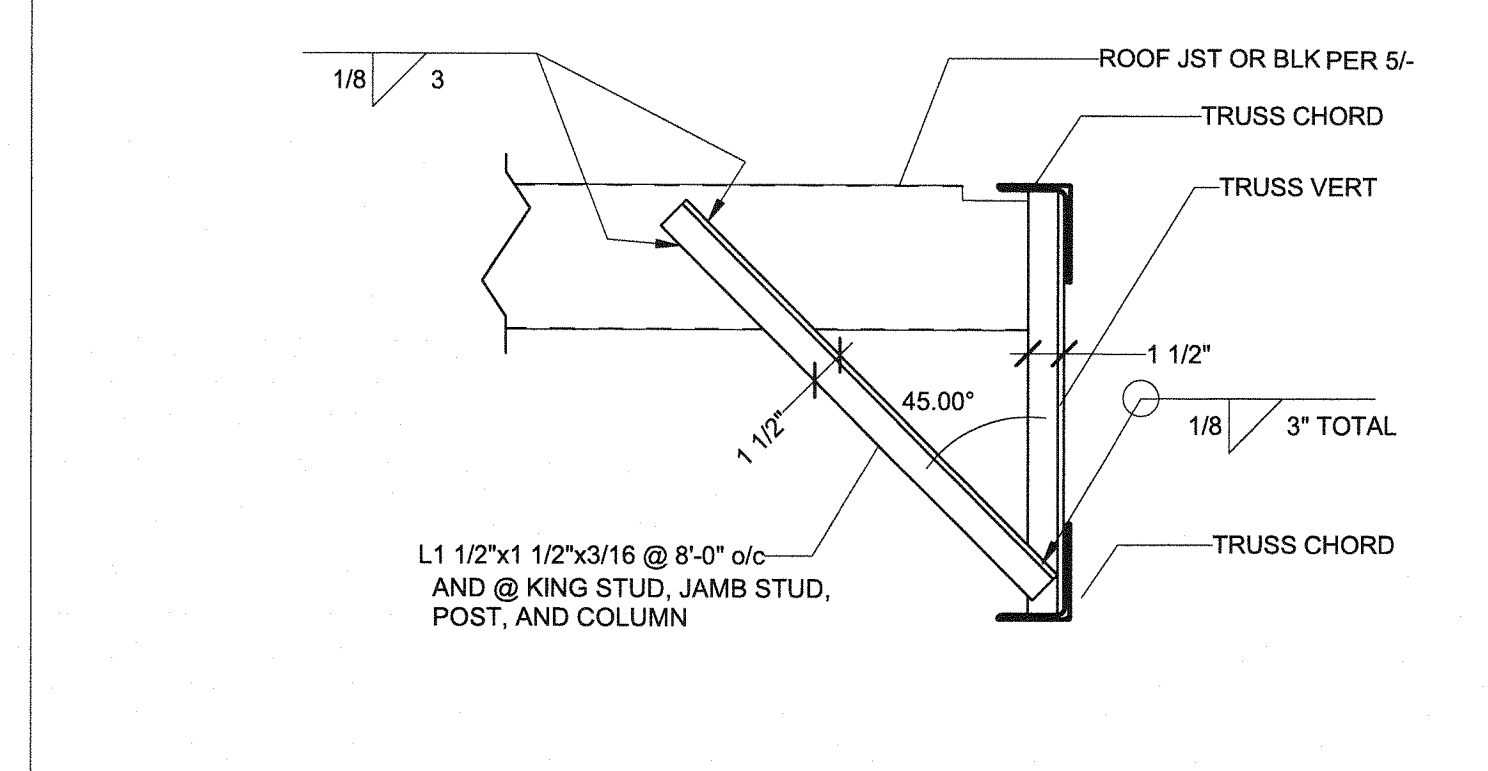
4 3" = 1'-0" Overhang Beam Section Properties



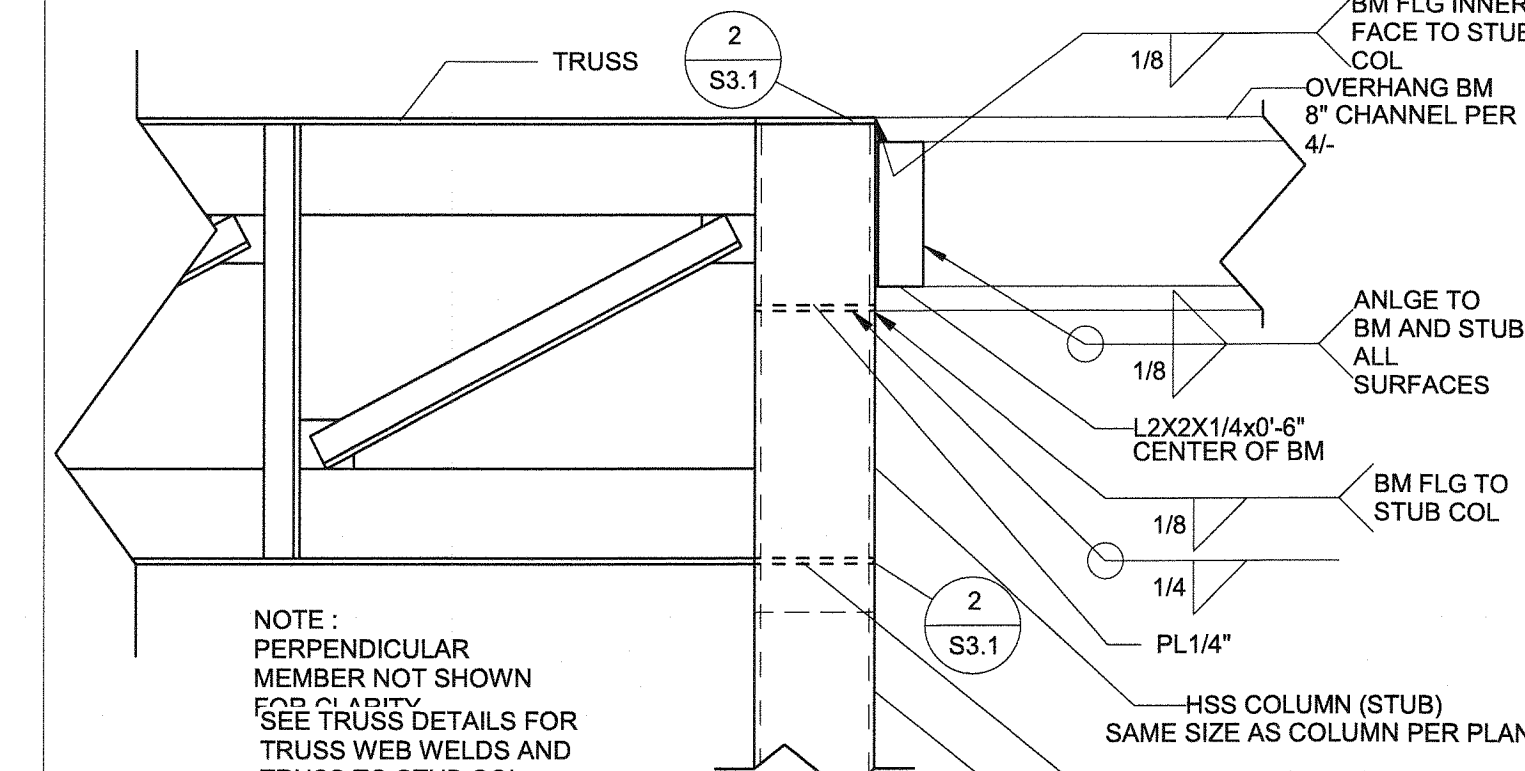
18 1 1/2" = 1'-0" HVAC Frm



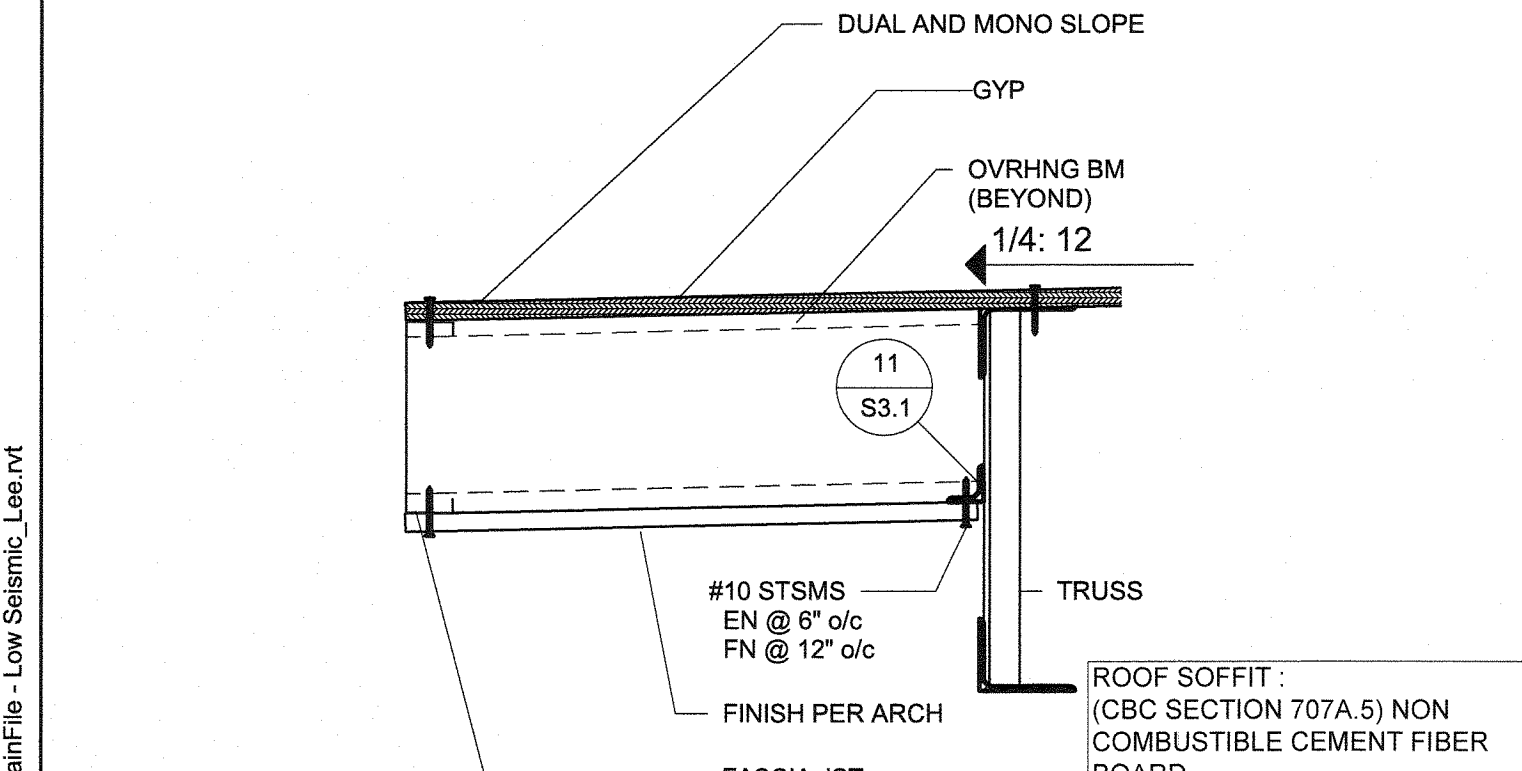
13 3" = 1'-0" Typ Soffit Joist Connection



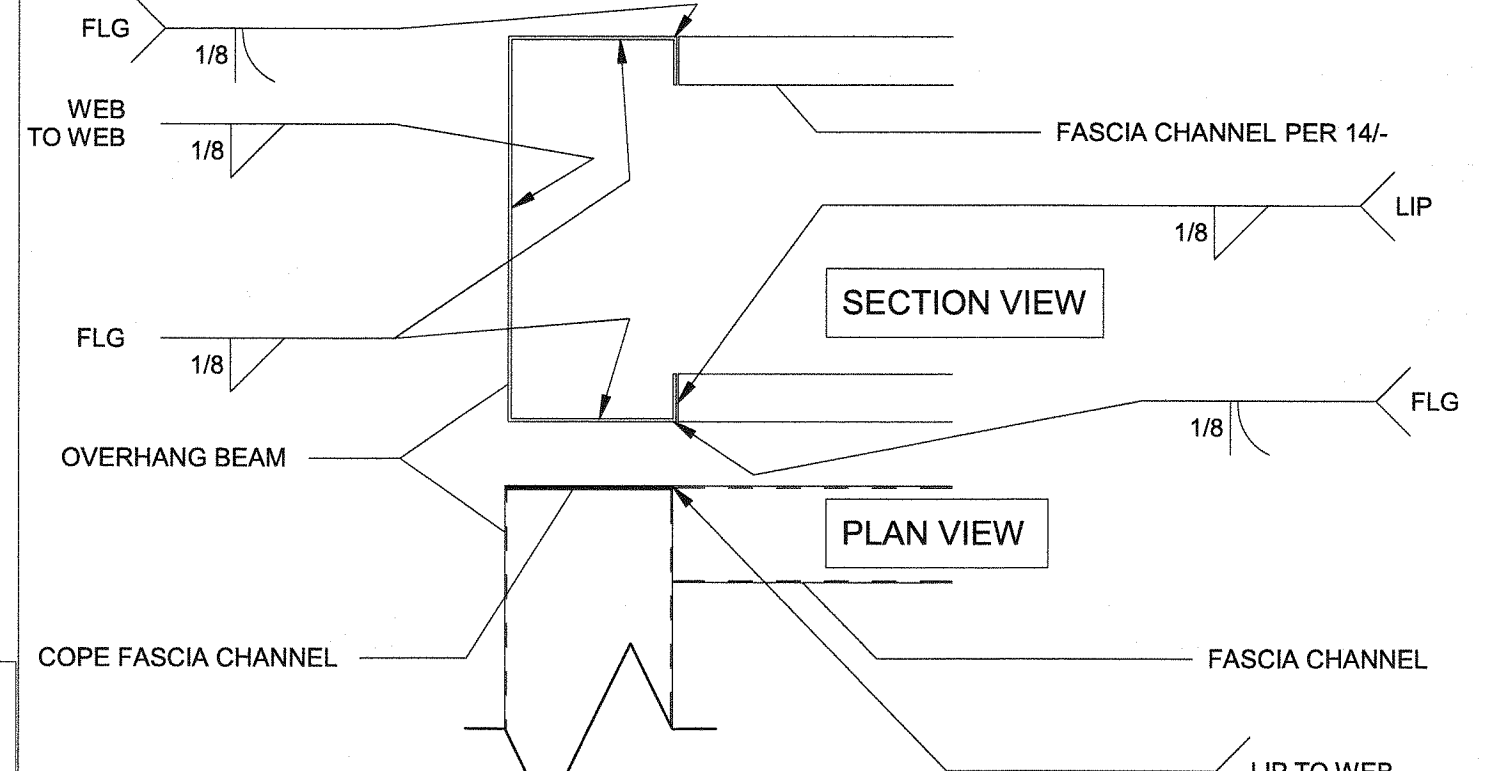
8 1 1/2" = 1'-0" Typ Roof Jst Bracing



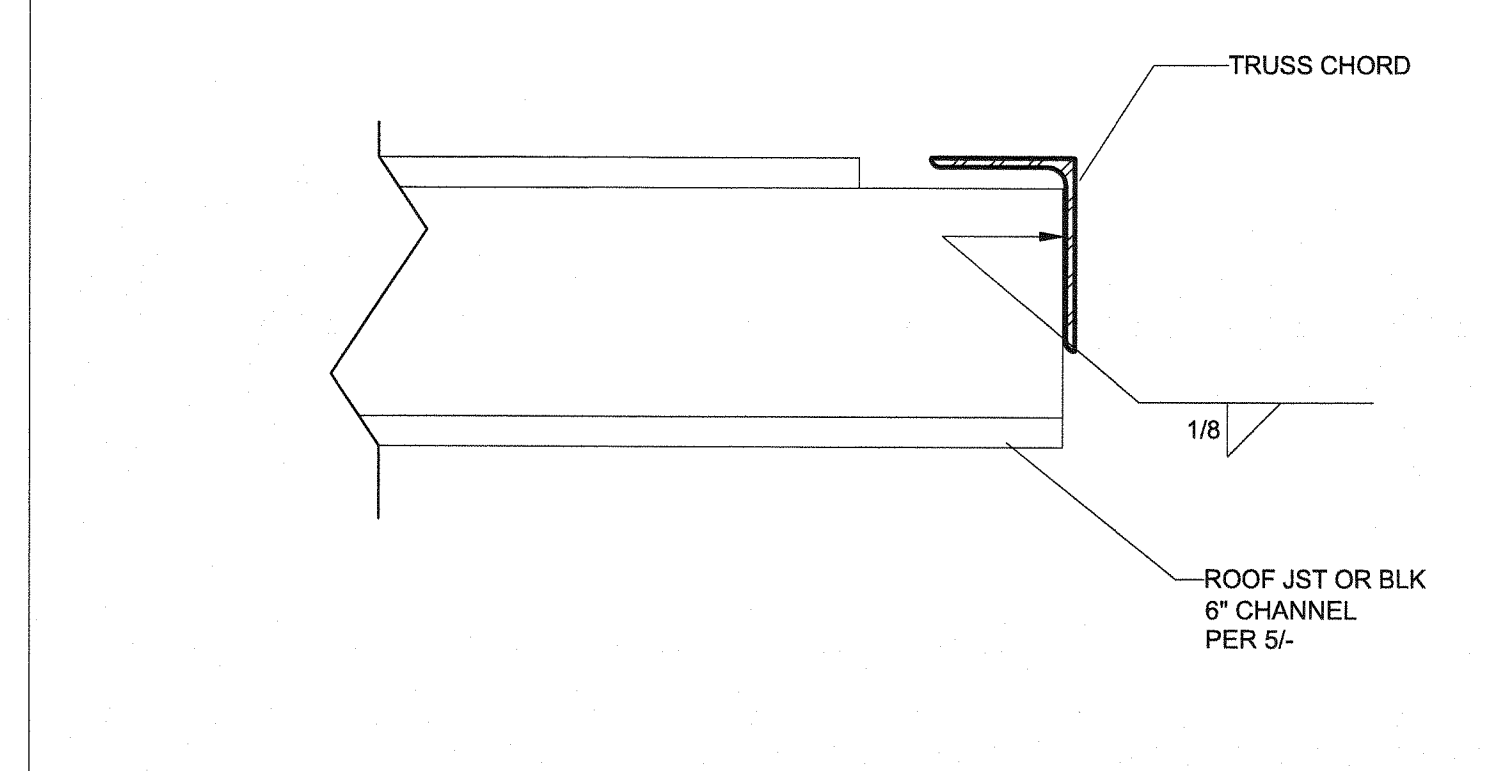
3 1 1/2" = 1'-0" Typ Overhang Beam to Column Connection



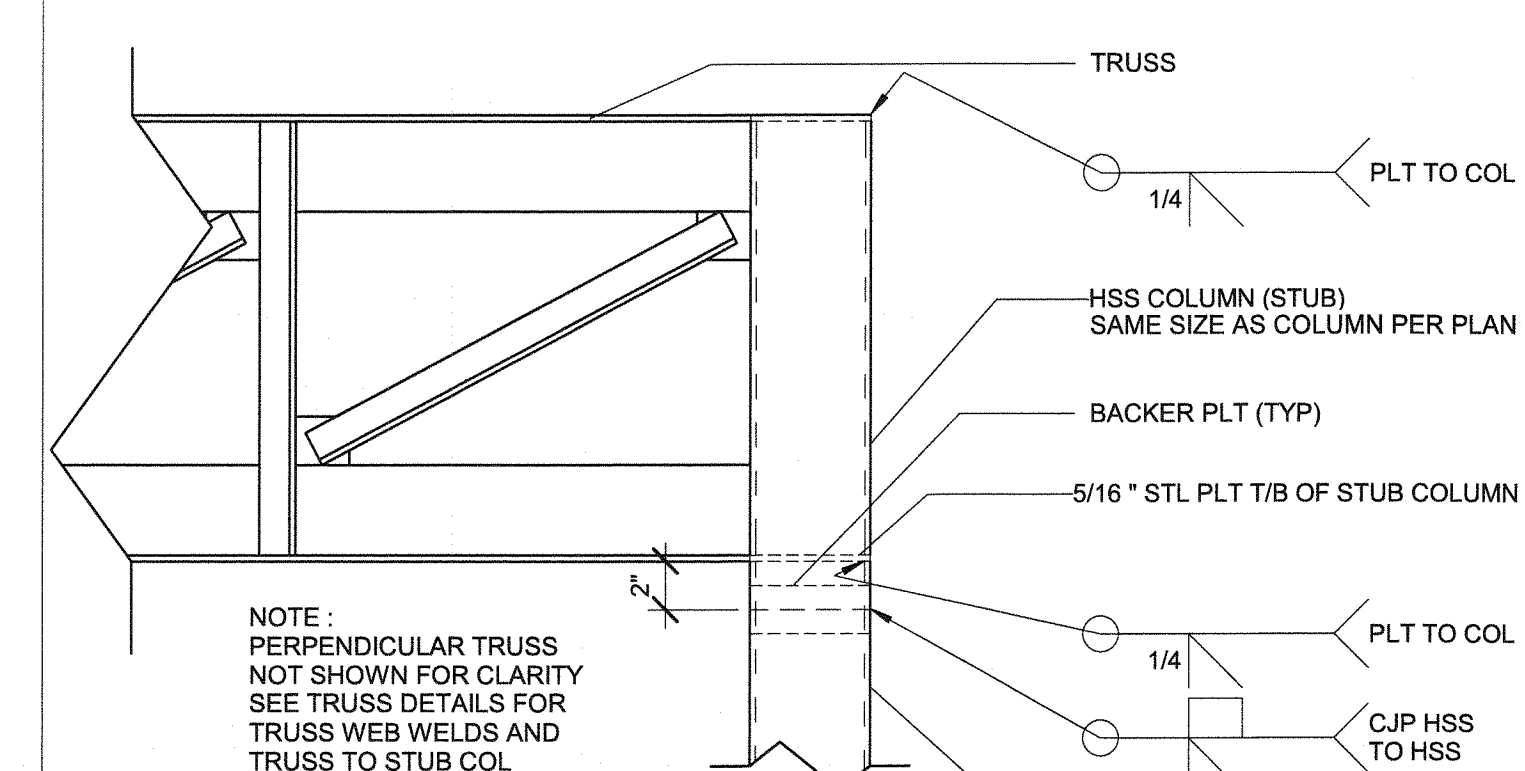
17 1 1/2" = 1'-0" 2'-6" Overhang @ Endwall



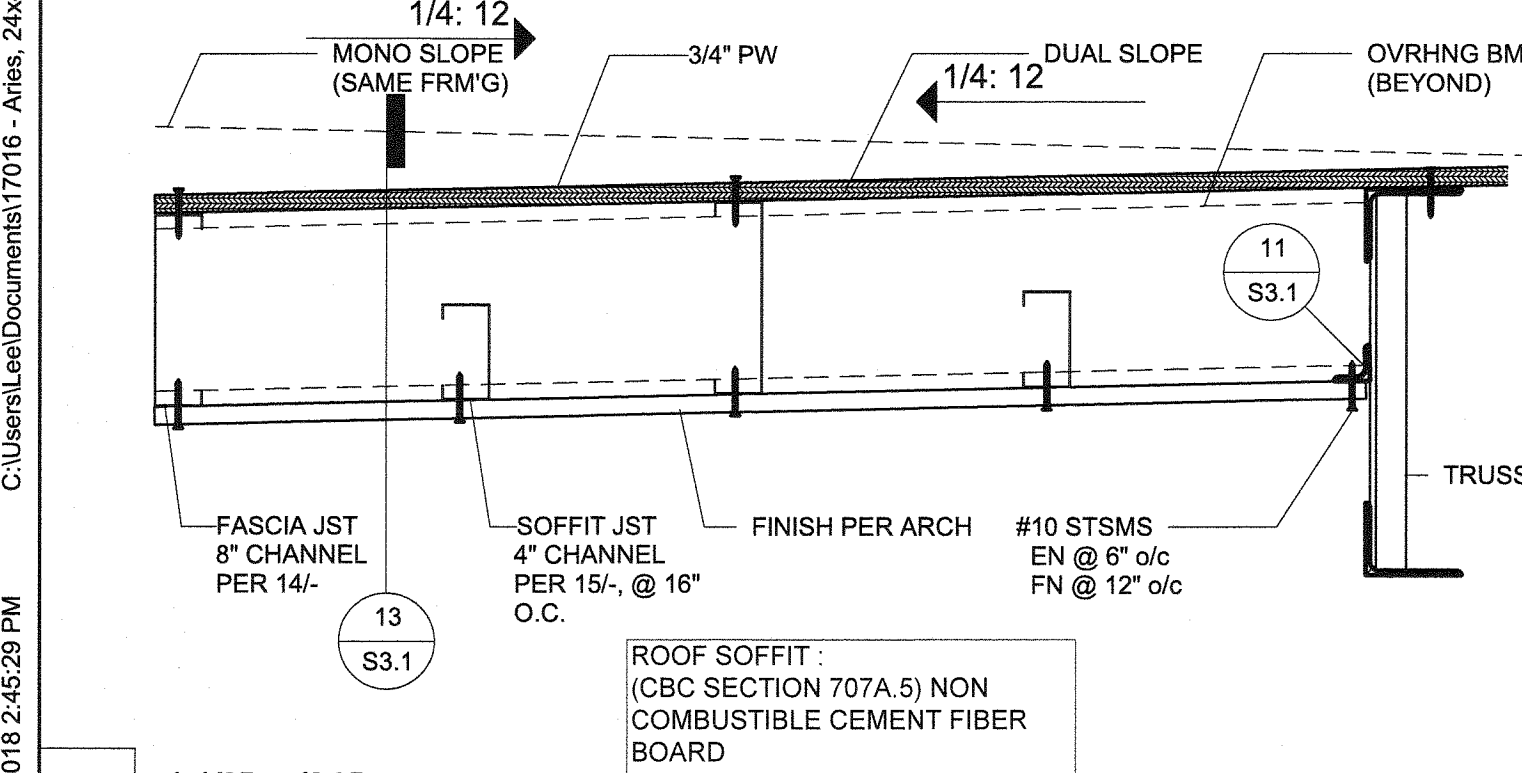
12 3" = 1'-0" Fascia to Overhang Beam



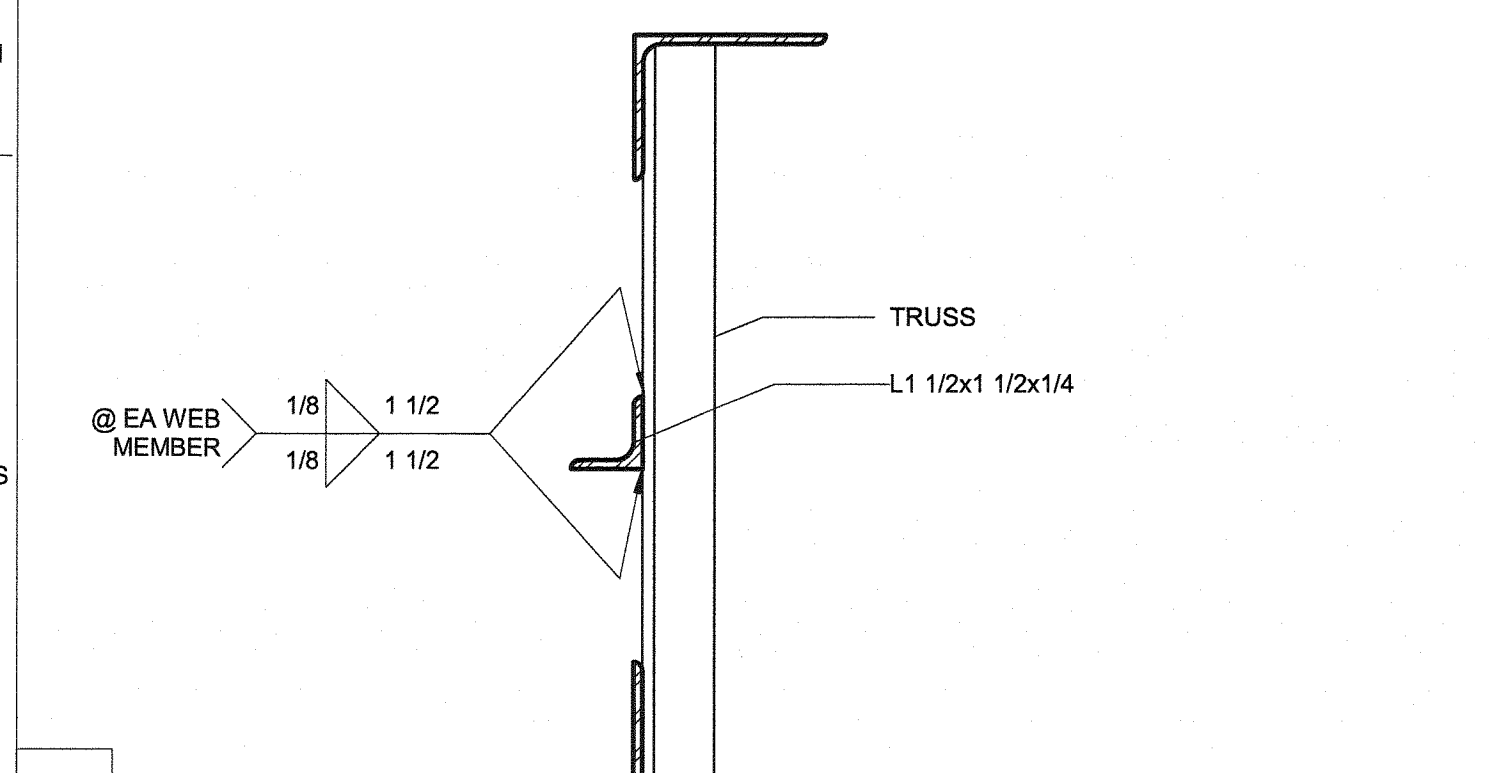
7 3" = 1'-0" Typ Roof Joist Connection @ Truss Chord



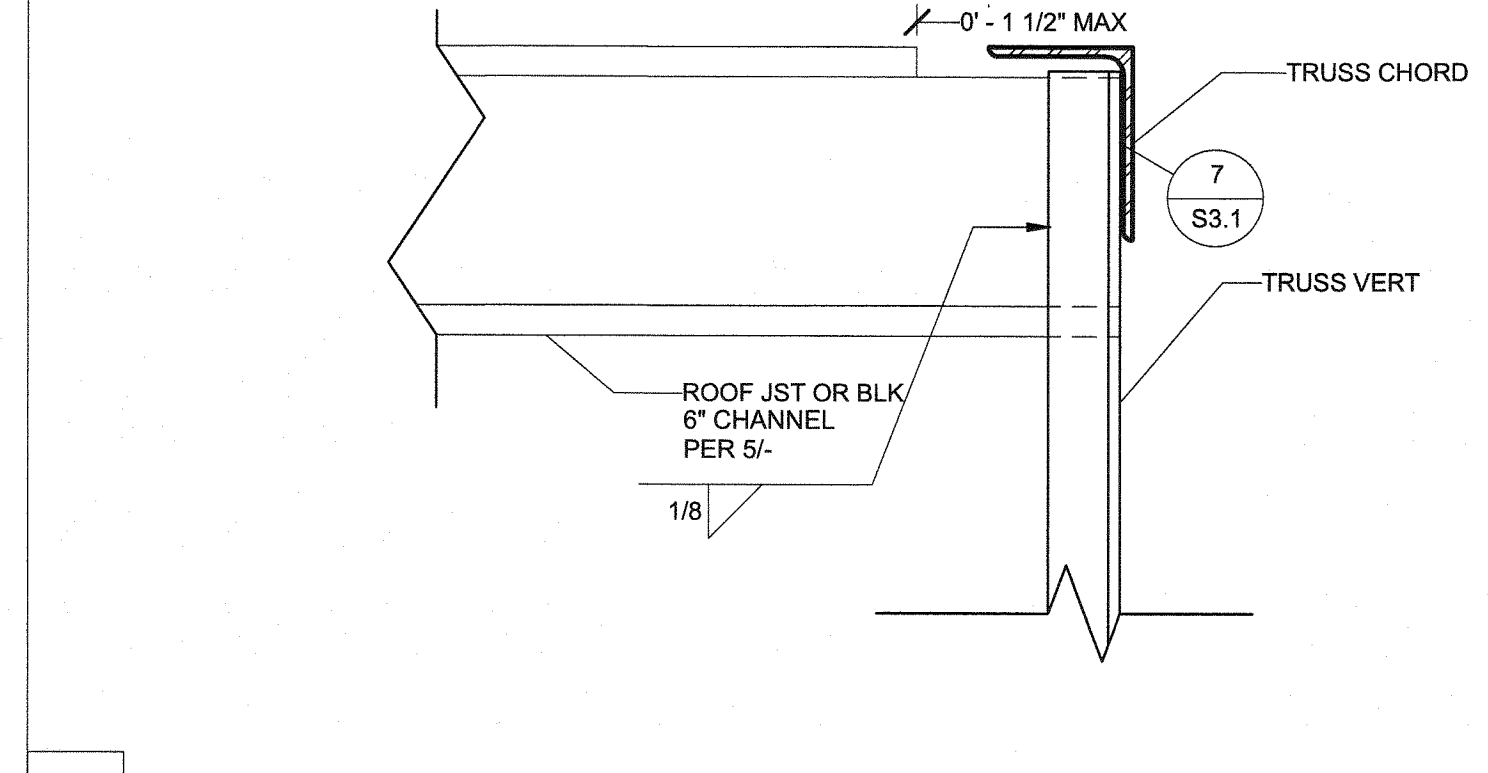
2 1 1/2" = 1'-0" Typ Stub Column Connection



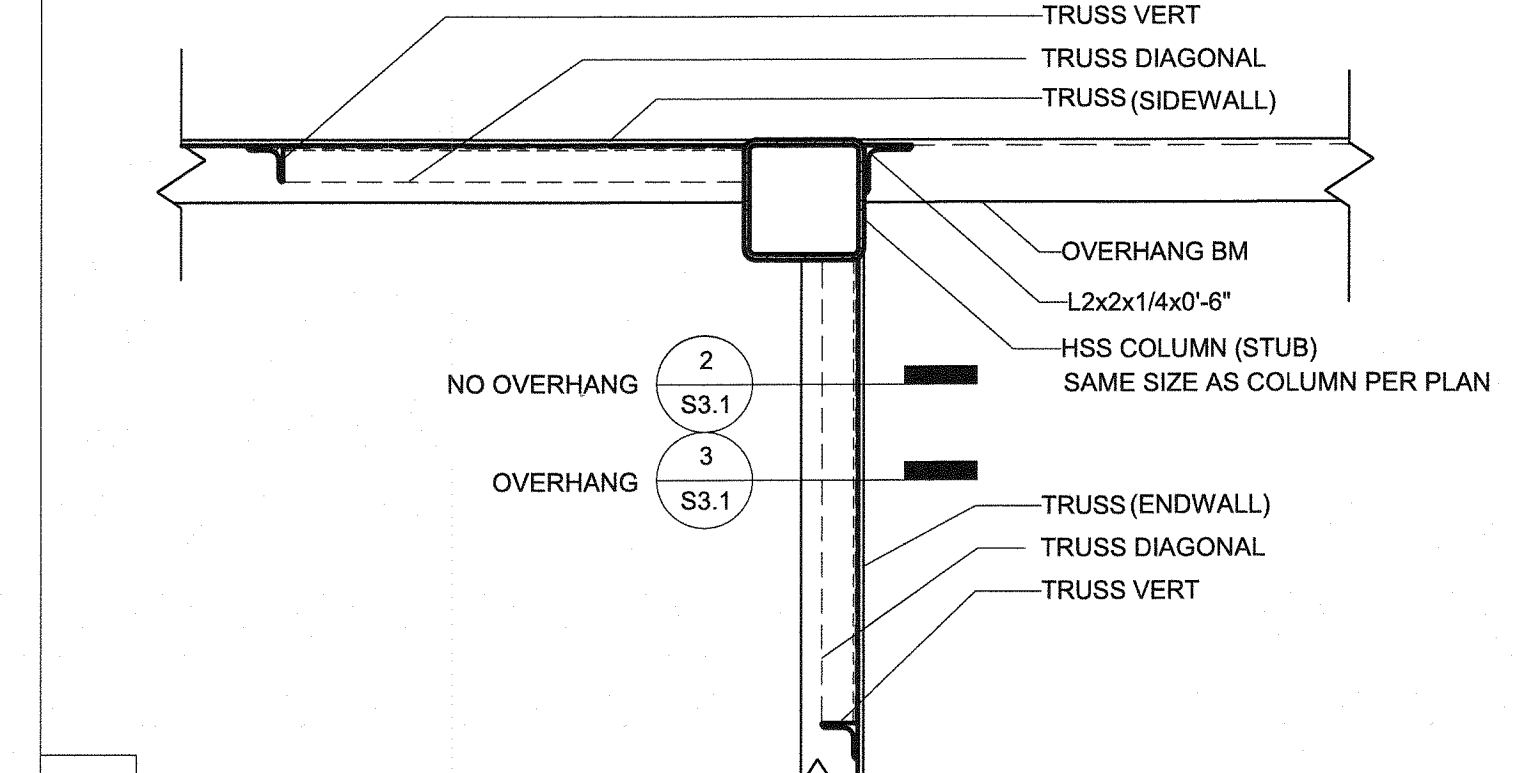
16 1 1/2" = 1'-0" 5'-0" Overhang @ Endwall



11 3" = 1'-0" Angle to Truss

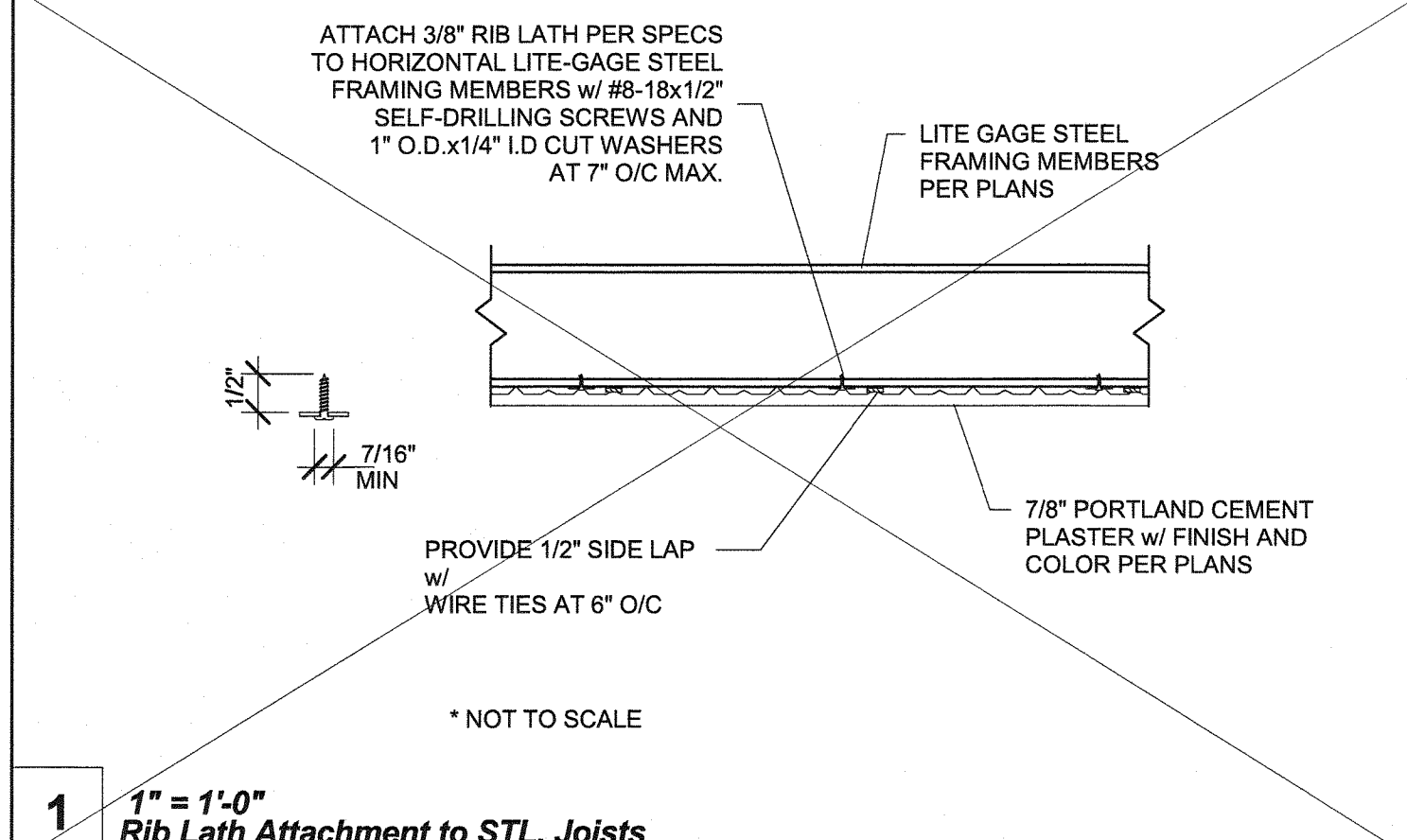


6 3" = 1'-0" Typ Roof Joist Connection @ Truss Vert

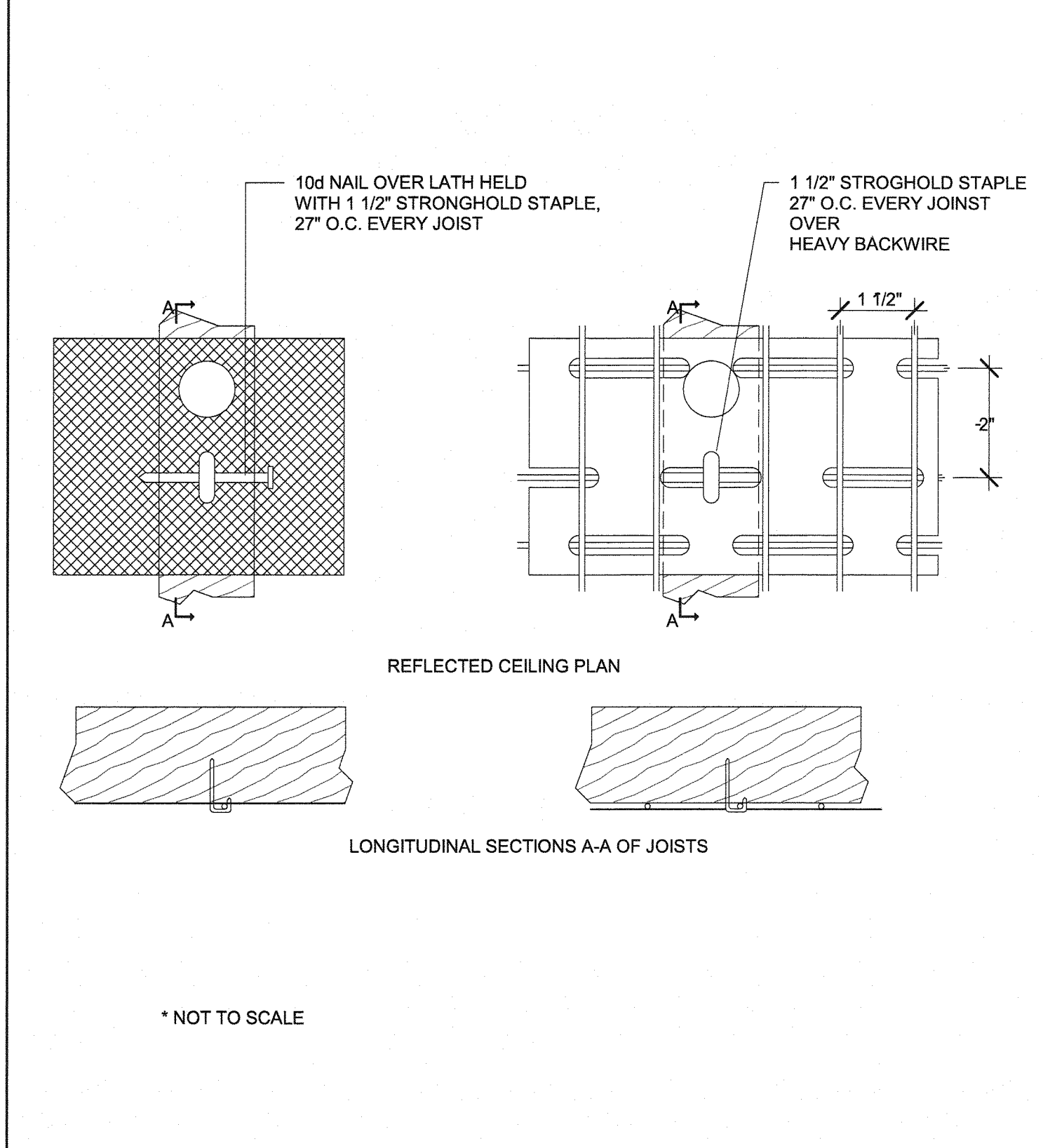


1 1 1/2" = 1'-0" Typ Corner Connection @ Roof

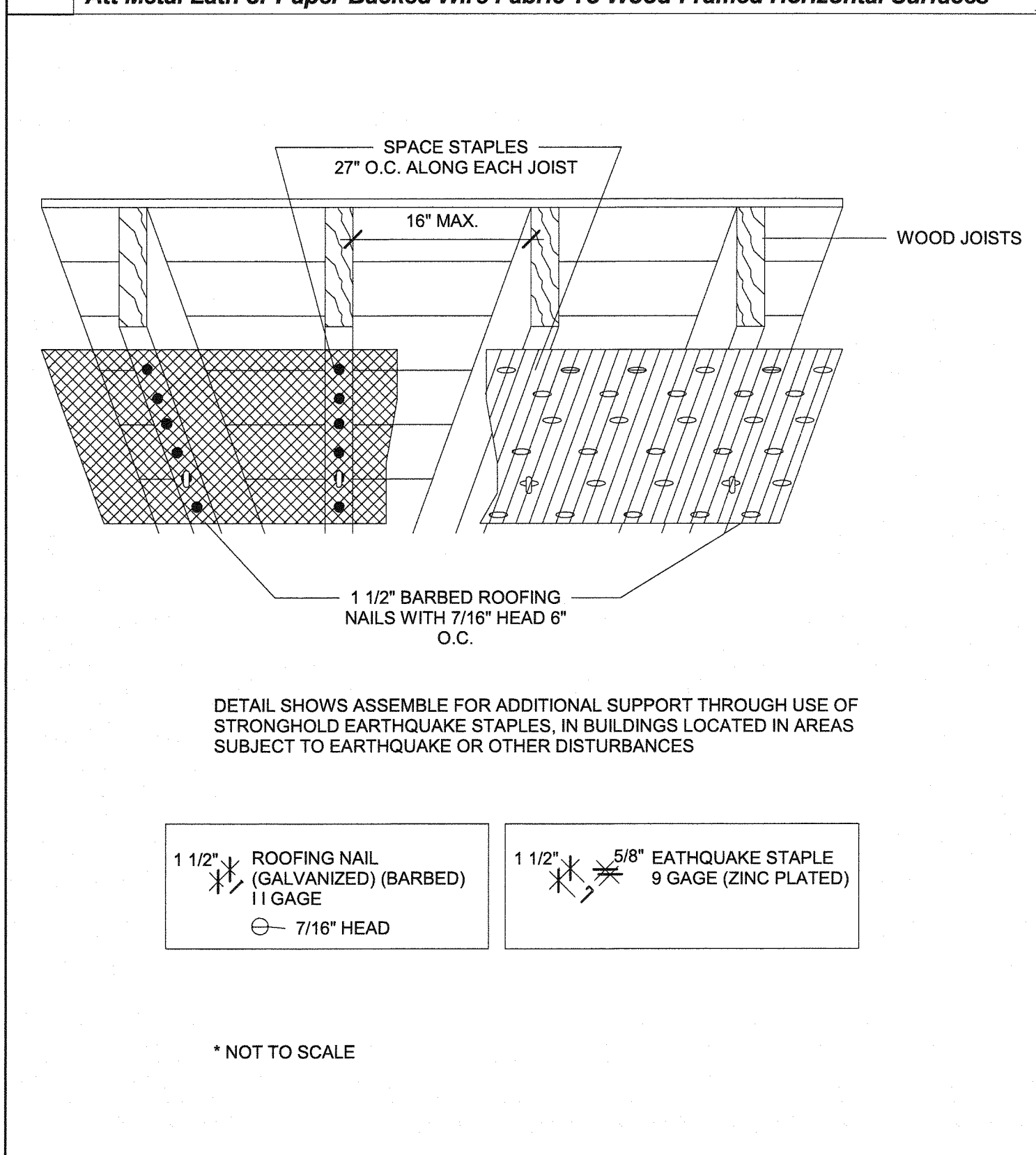
C:\Users\Lee\Documents\17016 - Atlas 24x40 PC - Main\Fig - Low Seismic_Lee.rvt 1/12/2018 2:45:29 PM



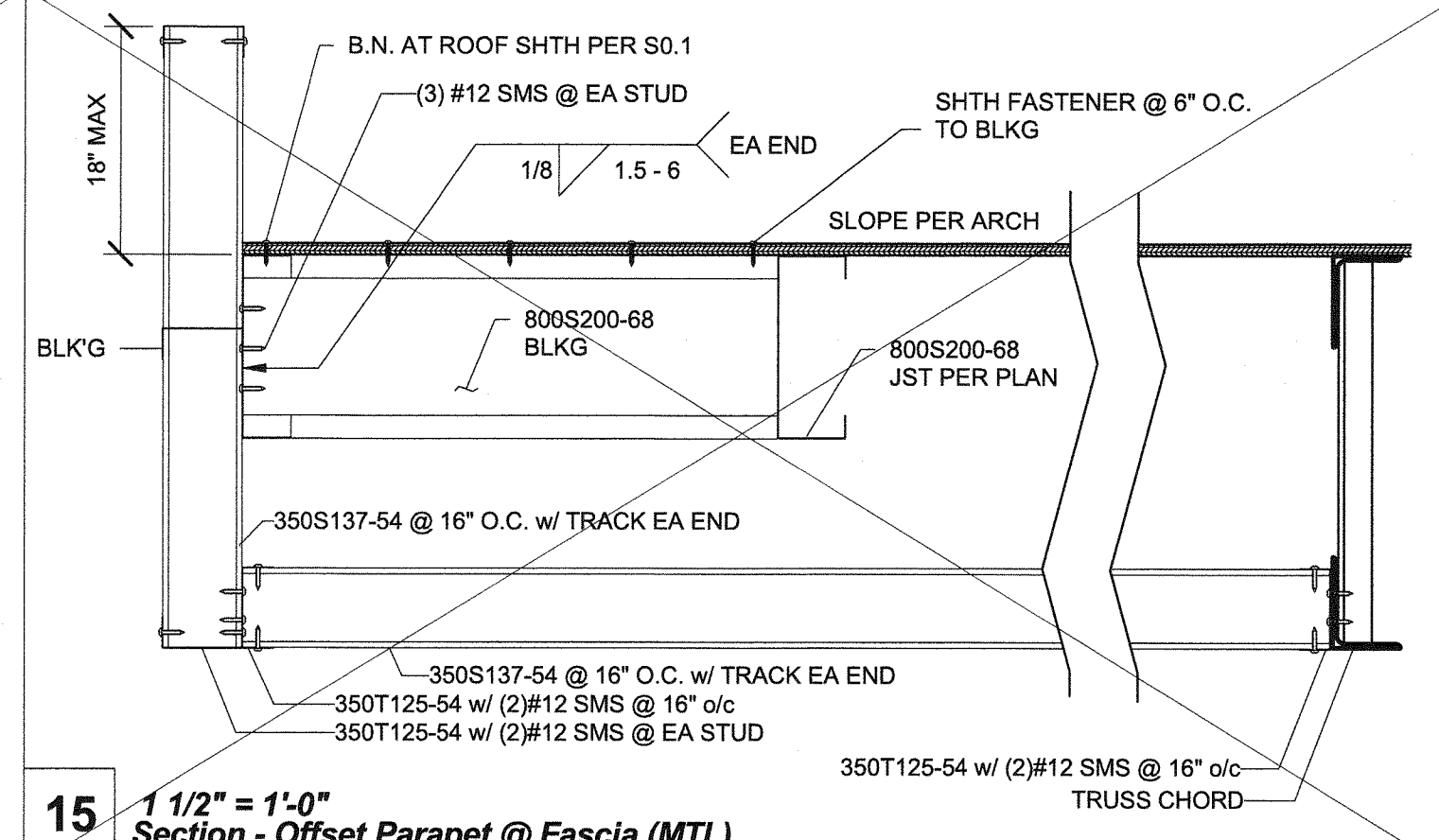
1 1" = 1'-0" Rib Lath Attachment to STL Joists



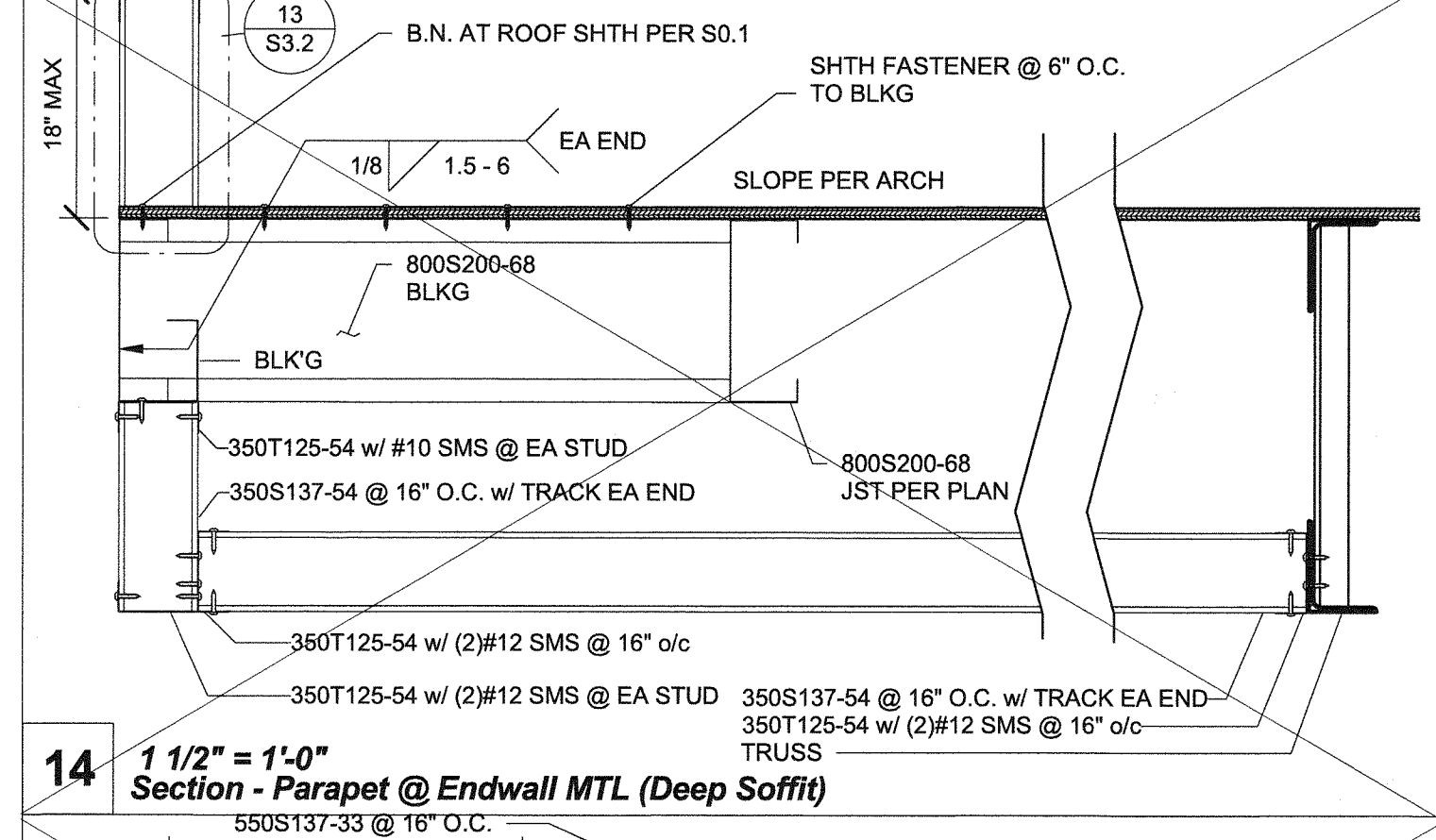
17 1" = 1'-0" Att Metal Lath or Paper-Backed Wire Fabric To Wood-Framed Horizontal Surfaces



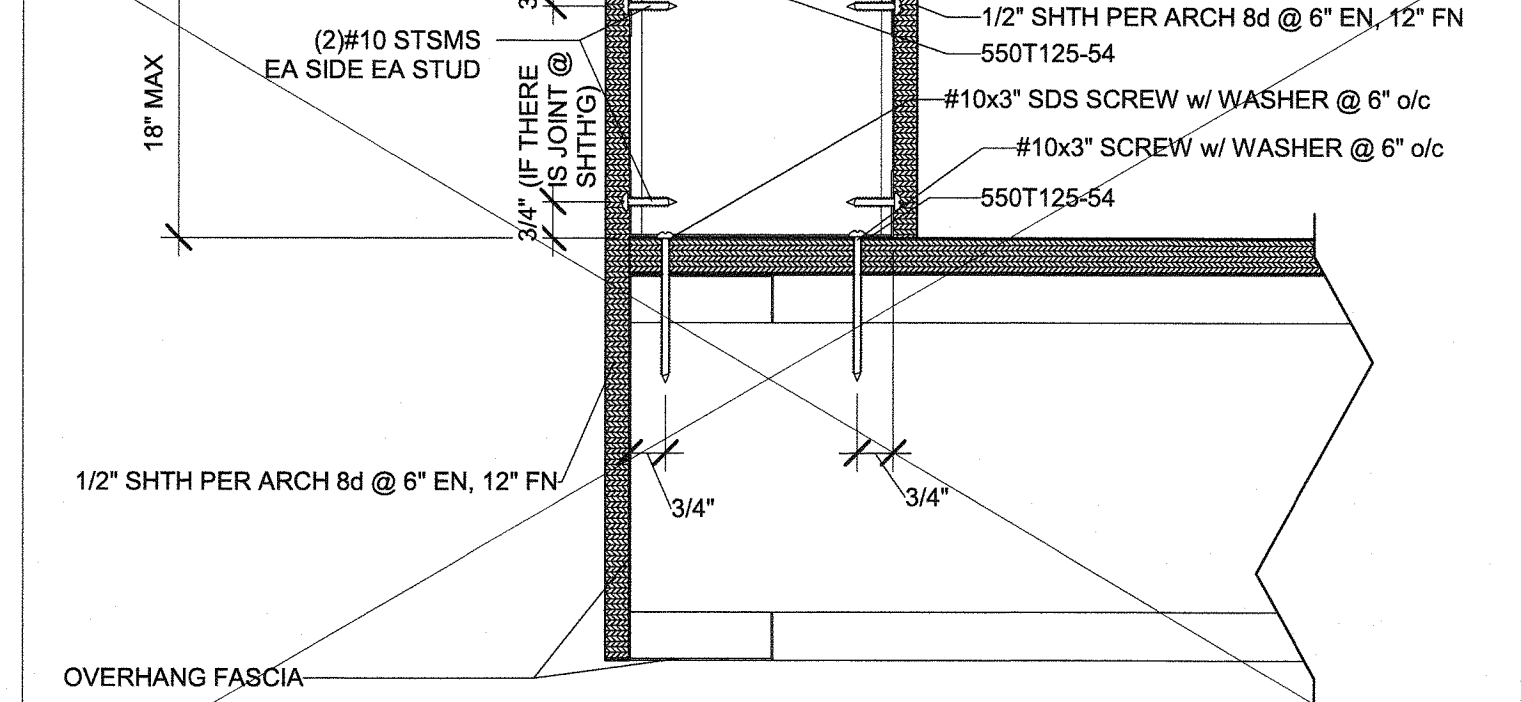
16 1" = 1'-0" Attaching Metal Lath or Paper-Backed Wire Fabric To Wood-Framed Horizontal Surfaces



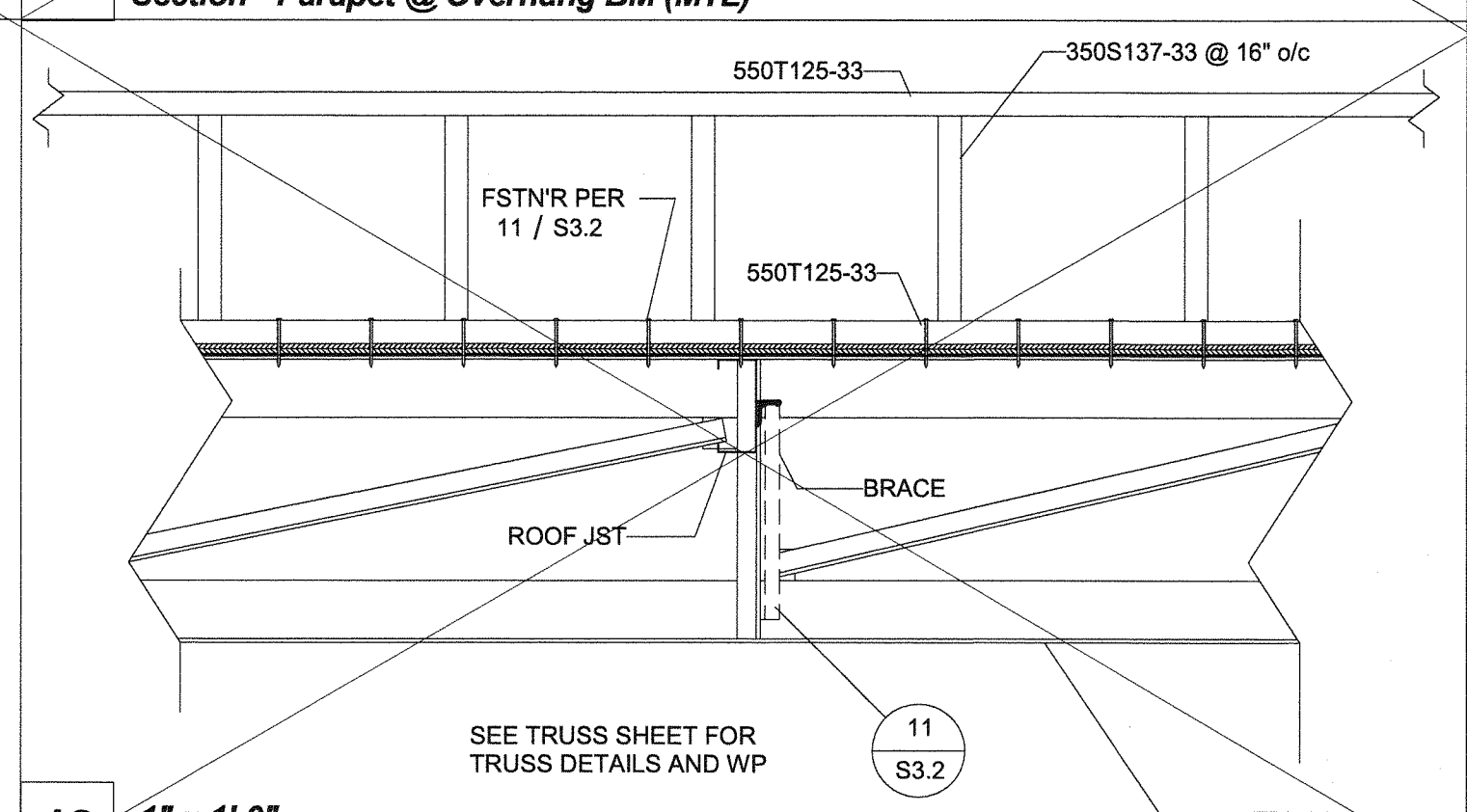
15 1 1/2" = 1'-0" Section - Offset Parapet @ Fascia (MTL)



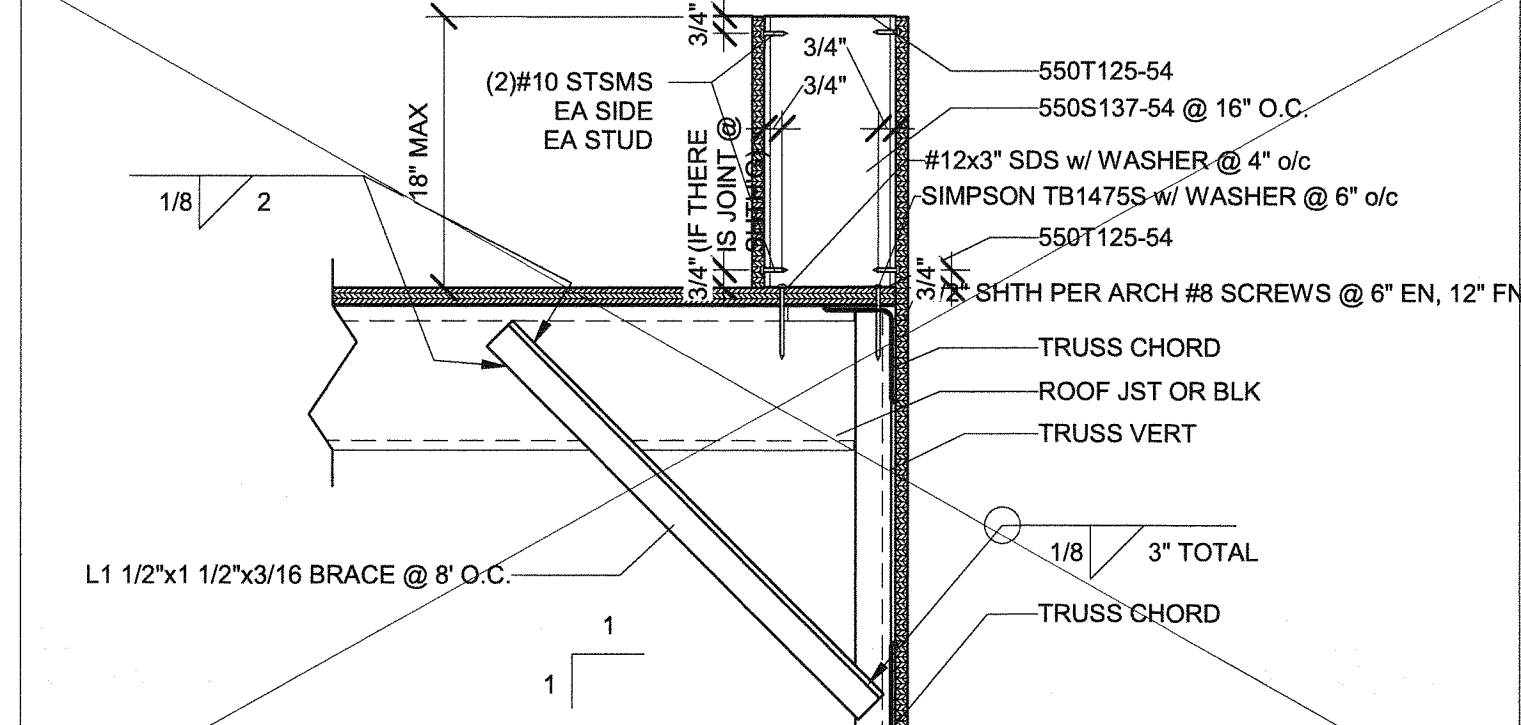
14 1 1/2" = 1'-0" Section - Parapet @ Endwall MTL (Deep Soffit)



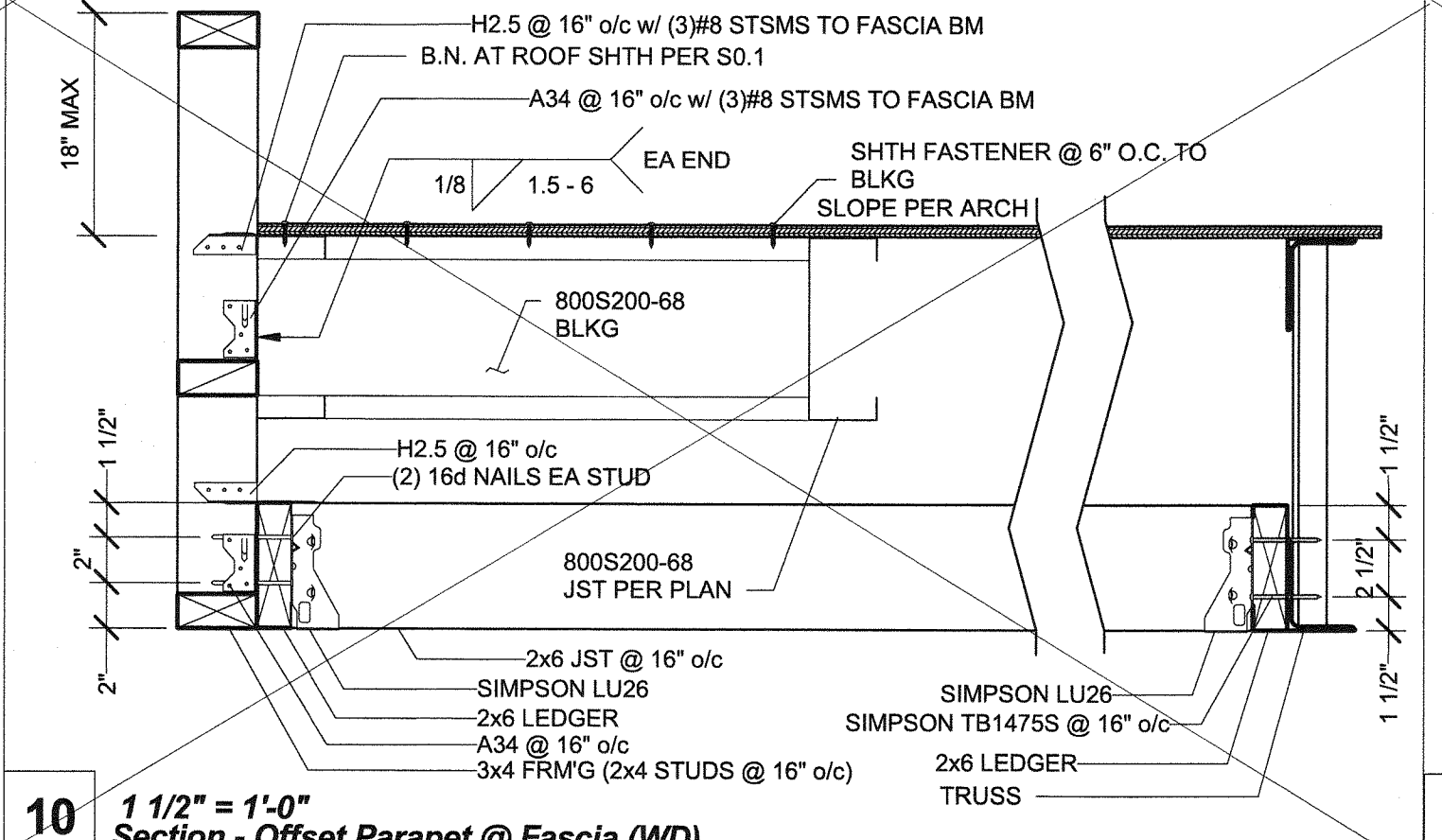
13 3" = 1'-0" Section - Parapet @ Overhang BM (MTL)



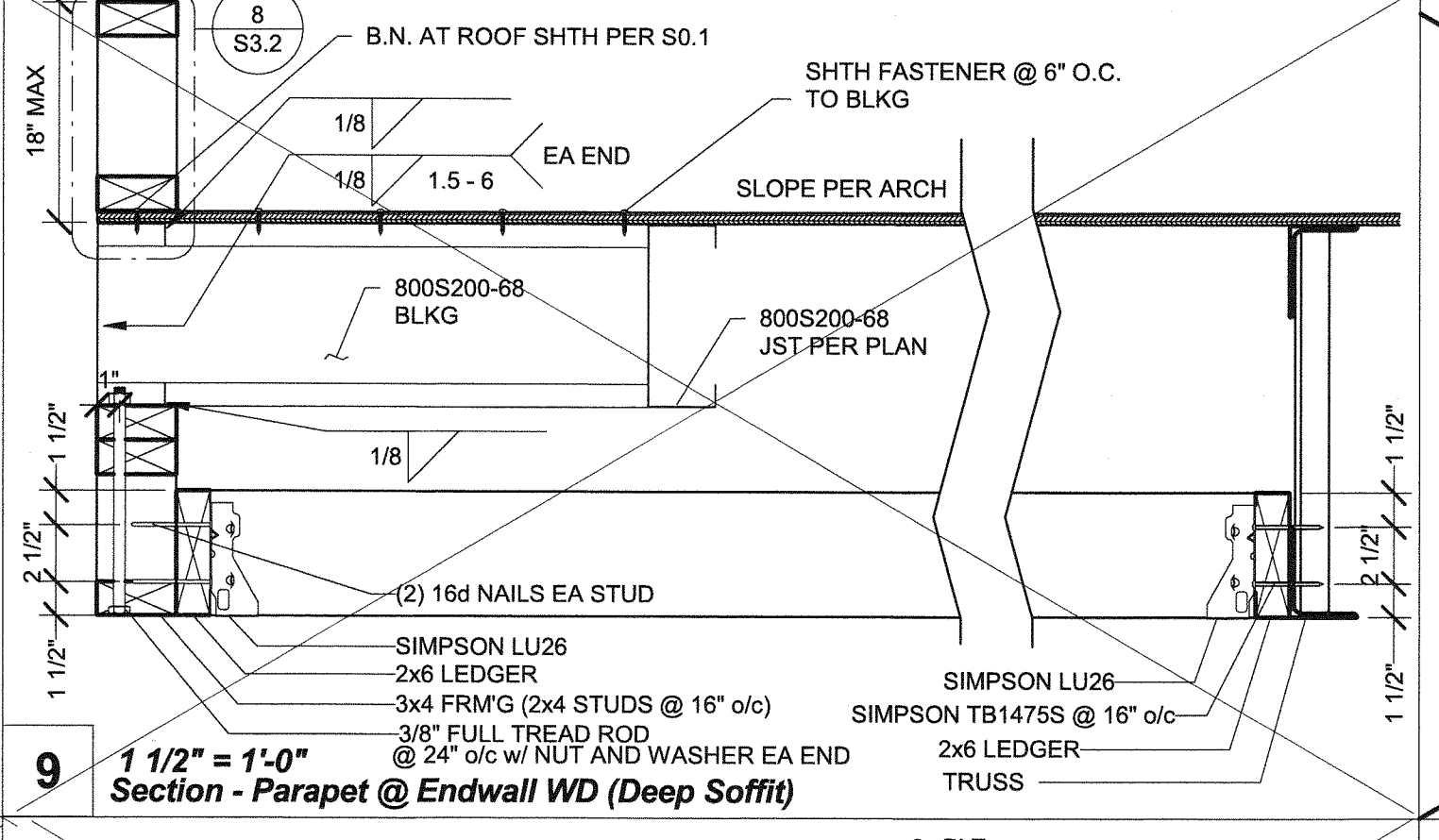
12 1" = 1'-0" Elevation - Parapet @ Sidewall (MTL)



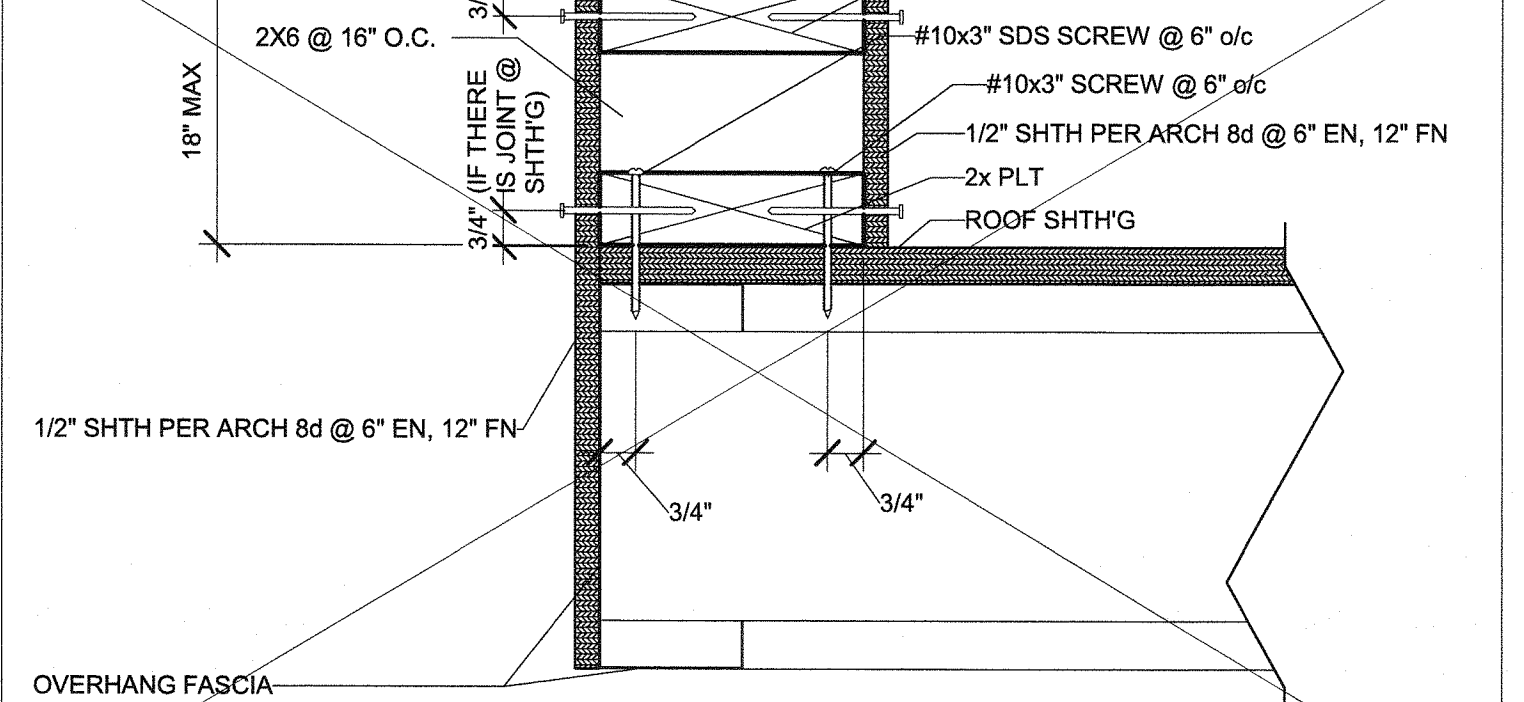
11 1 1/2" = 1'-0" Section - Parapet @ Sidewall (MTL)



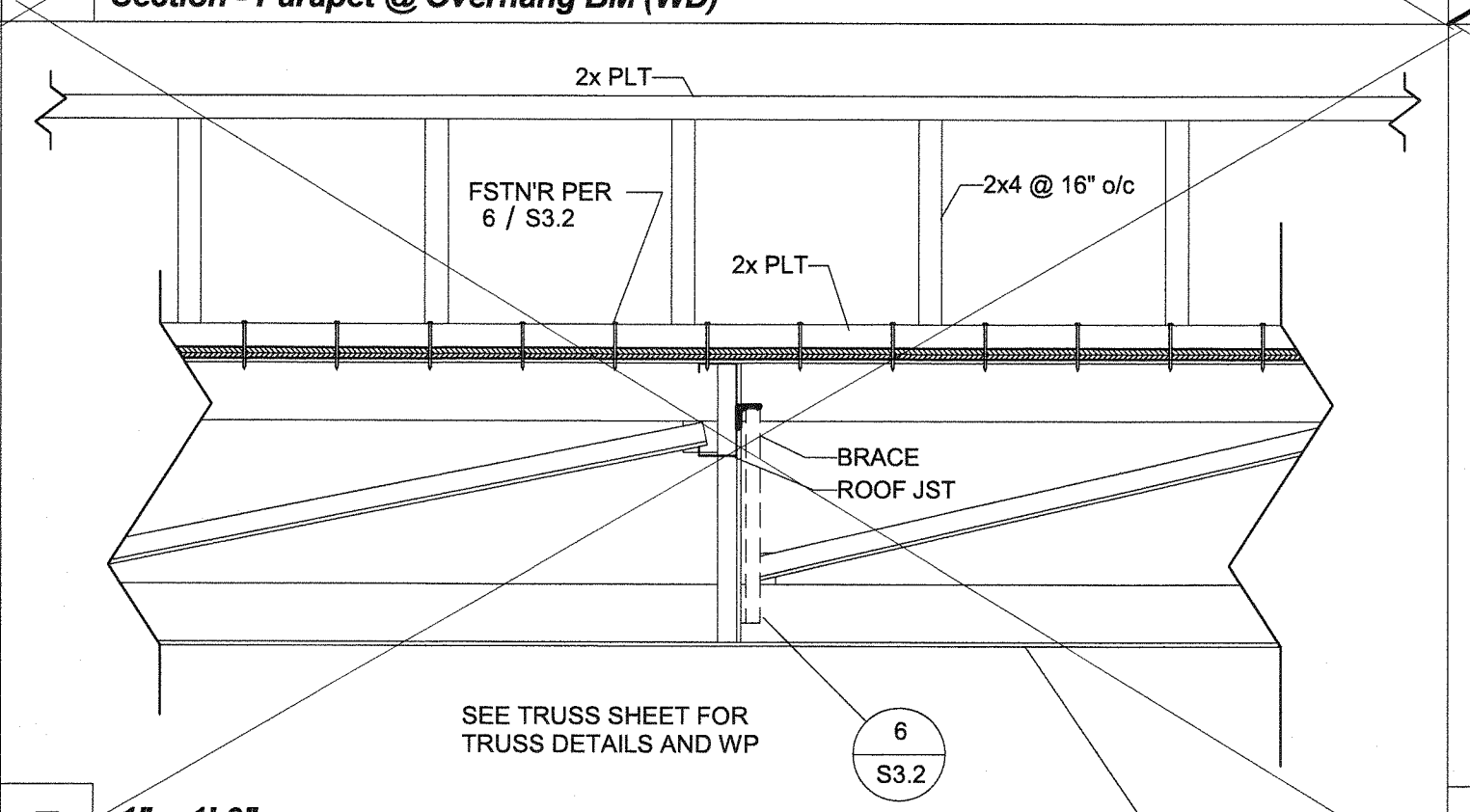
10 1 1/2" = 1'-0" Section - Offset Parapet @ Fascia (WD)



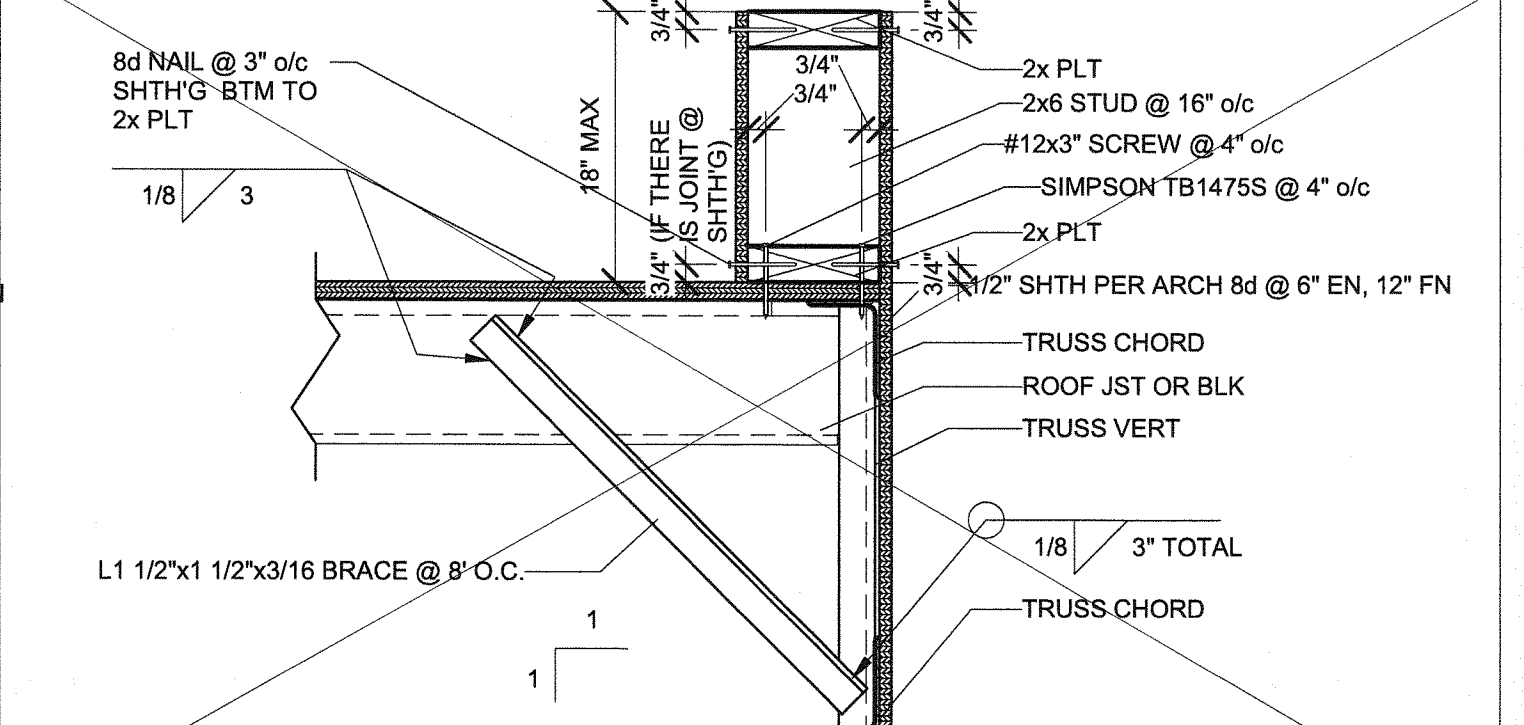
9 1 1/2" = 1'-0" Section - Parapet @ Endwall WD (Deep Soffit)



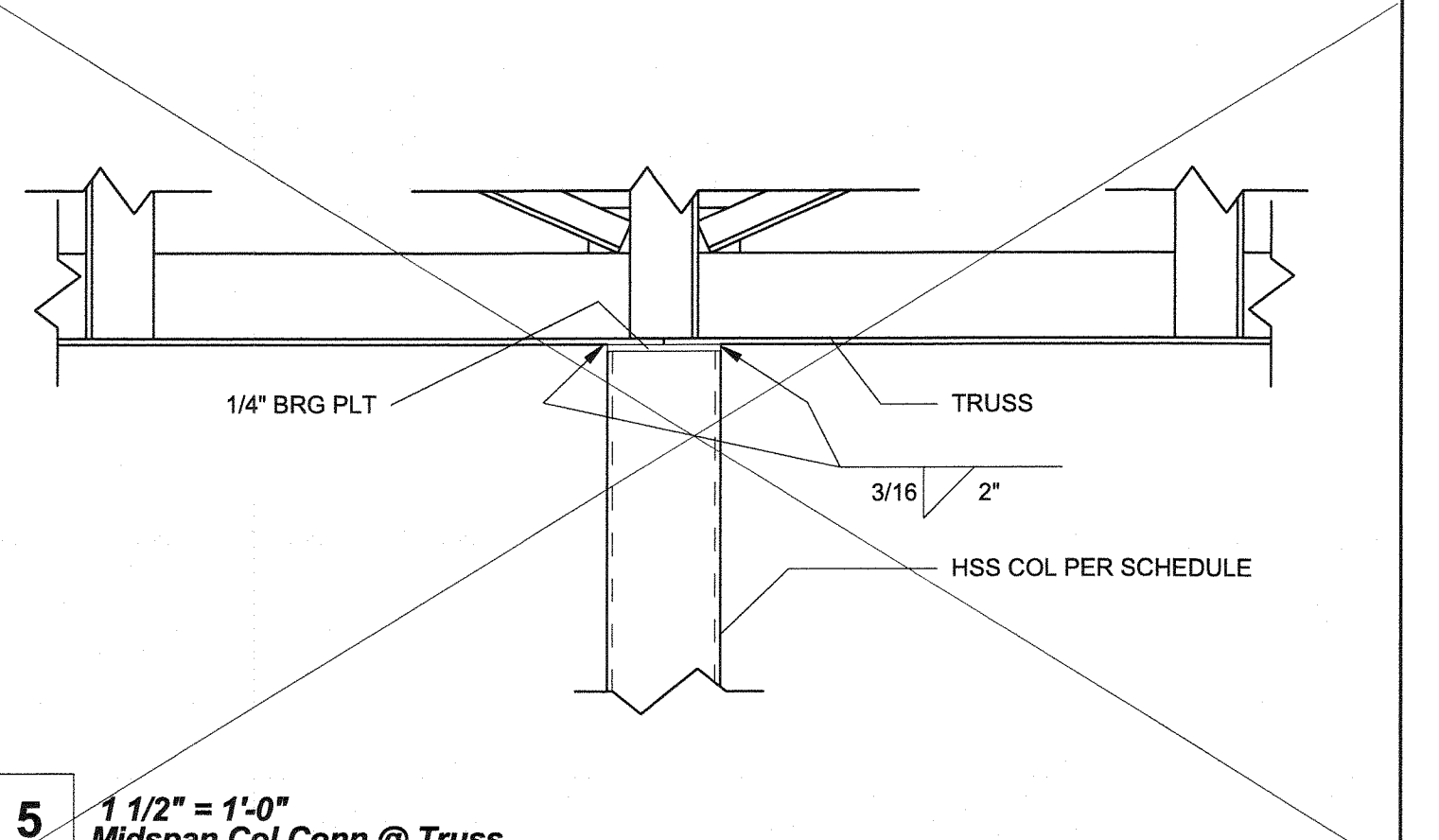
8 3" = 1'-0" Section - Parapet @ Overhang BM (WD)



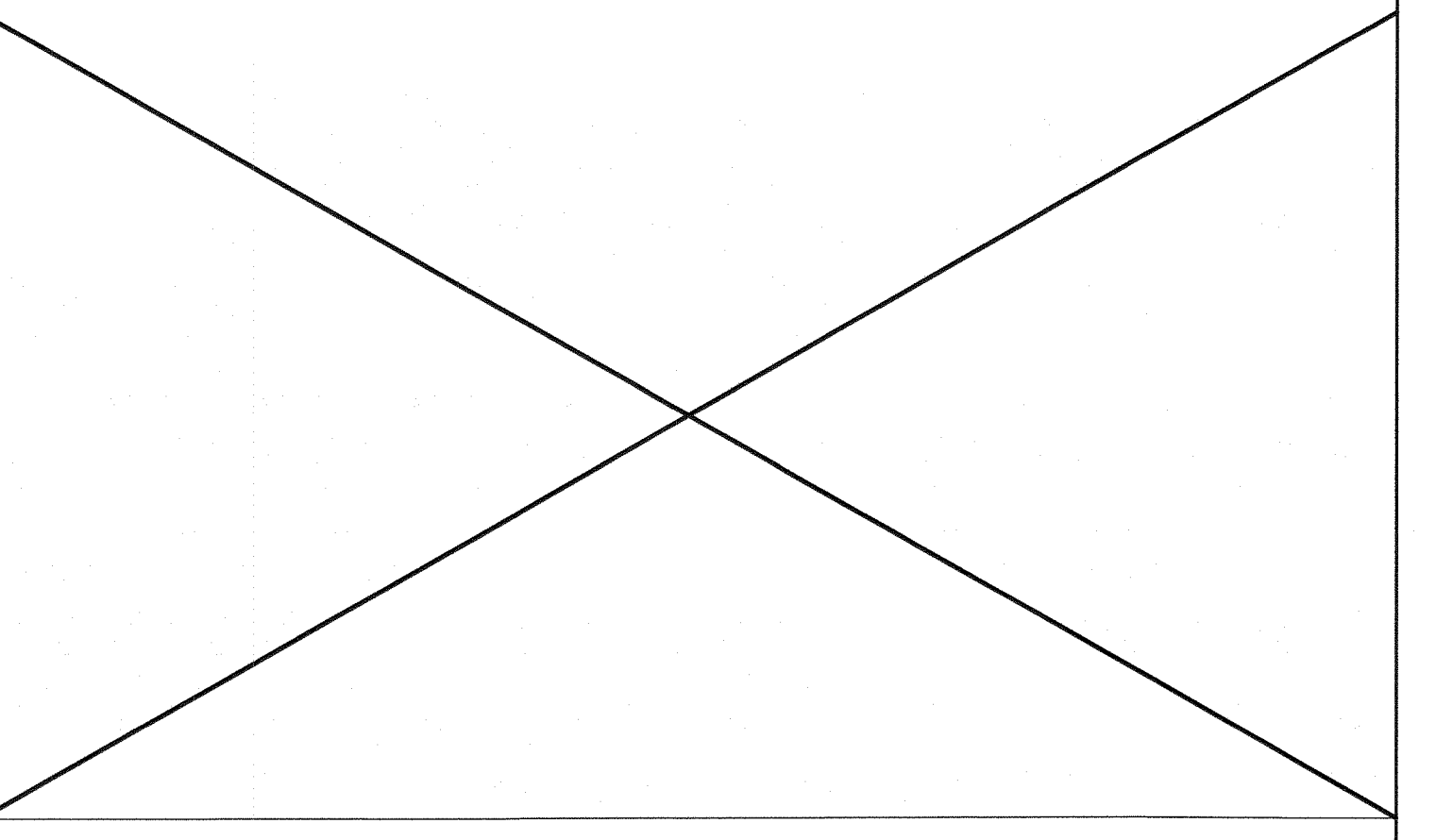
7 1" = 1'-0" Elevation - Parapet @ Sidewall (WD)



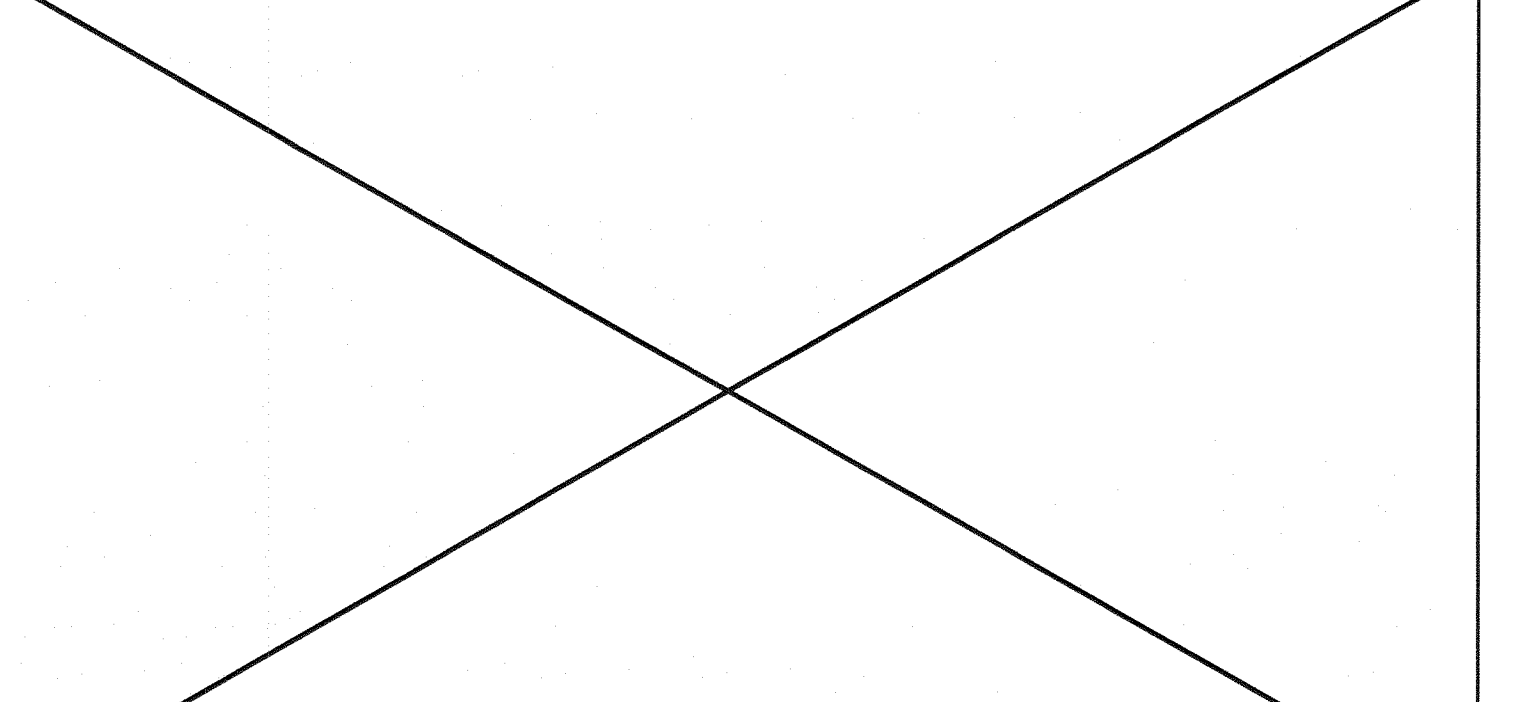
6 1 1/2" = 1'-0" Section - Parapet @ Sidewall (WD)



5 1 1/2" = 1'-0" Midspan Col Conn @ Truss



2 1 1/2" = 1'-0" Section - Parapet @ Corner



3 1/8" = 1'-0" GUARDIAN LOGO

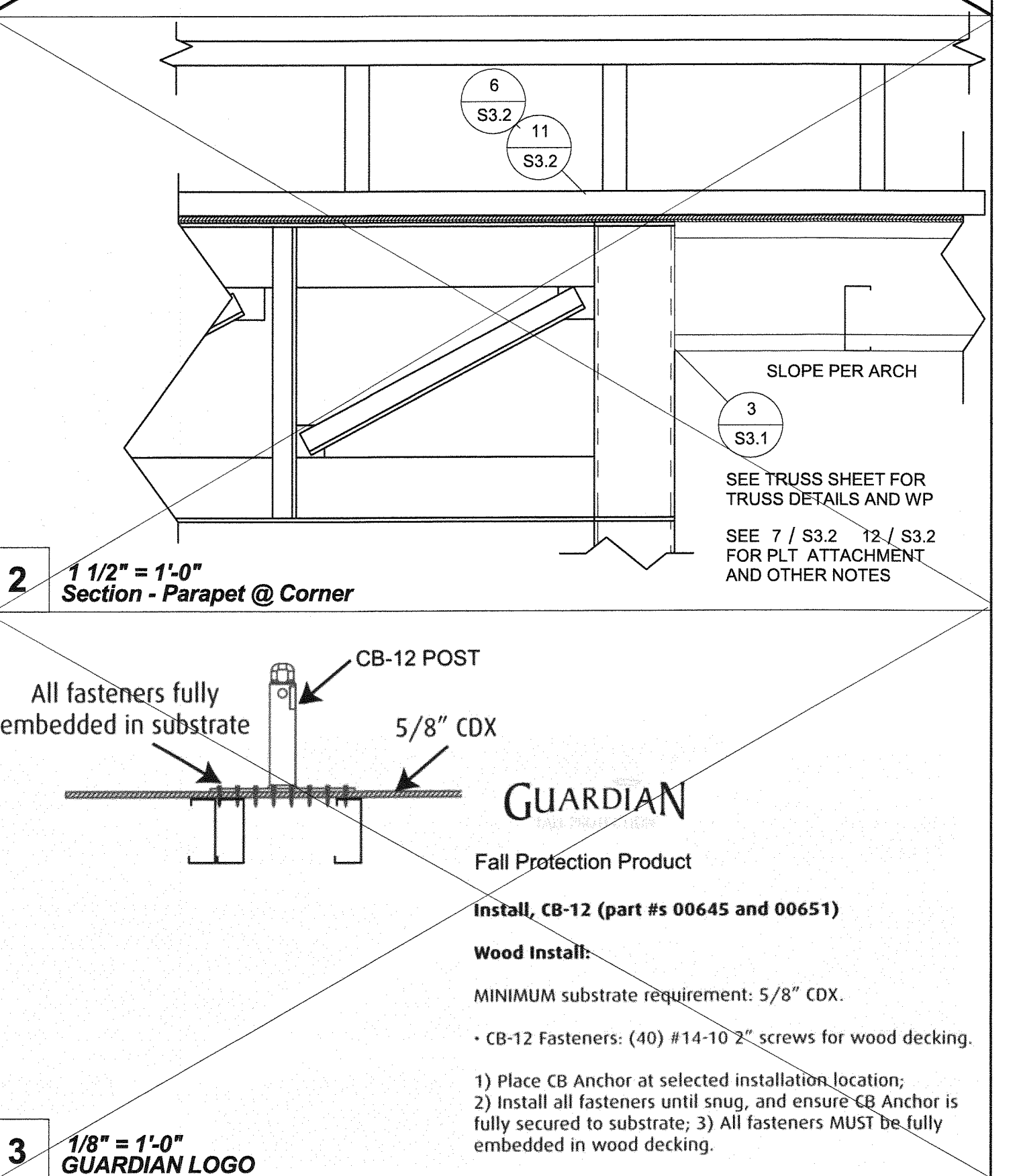
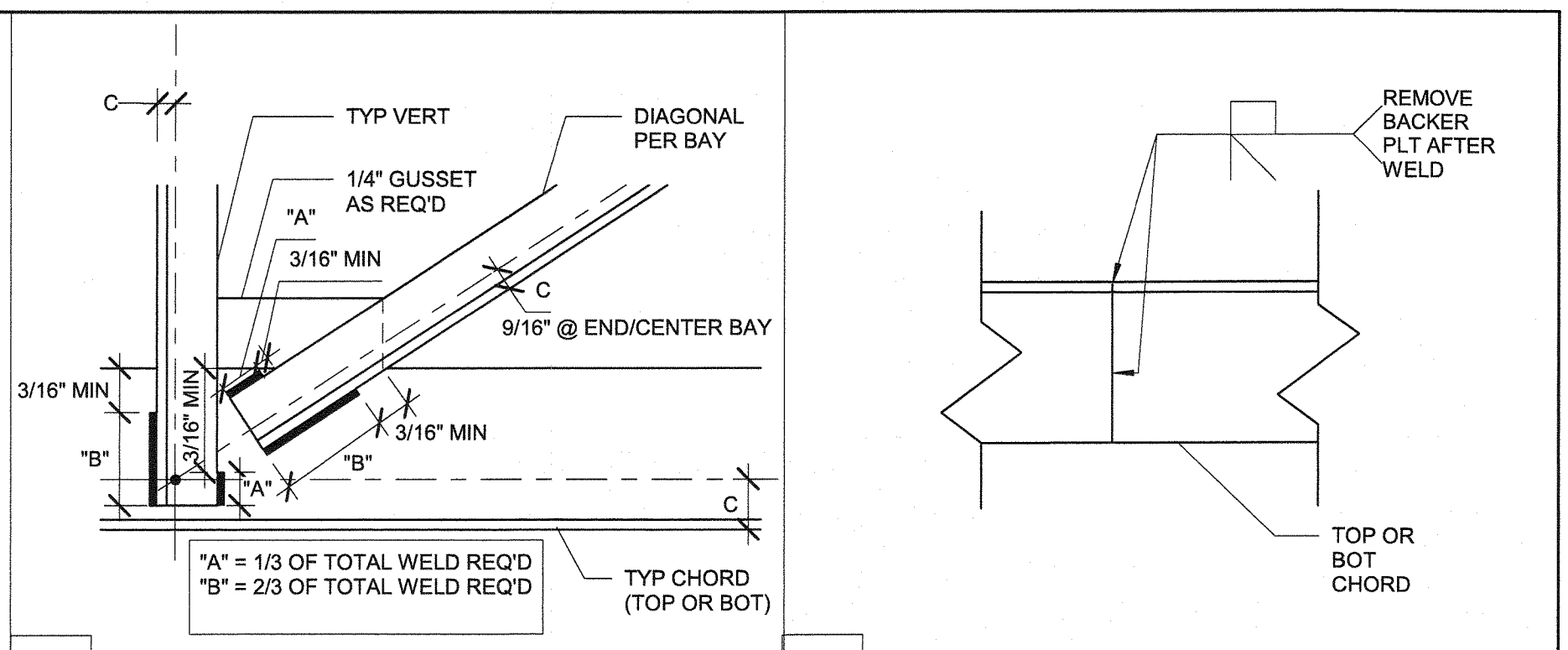
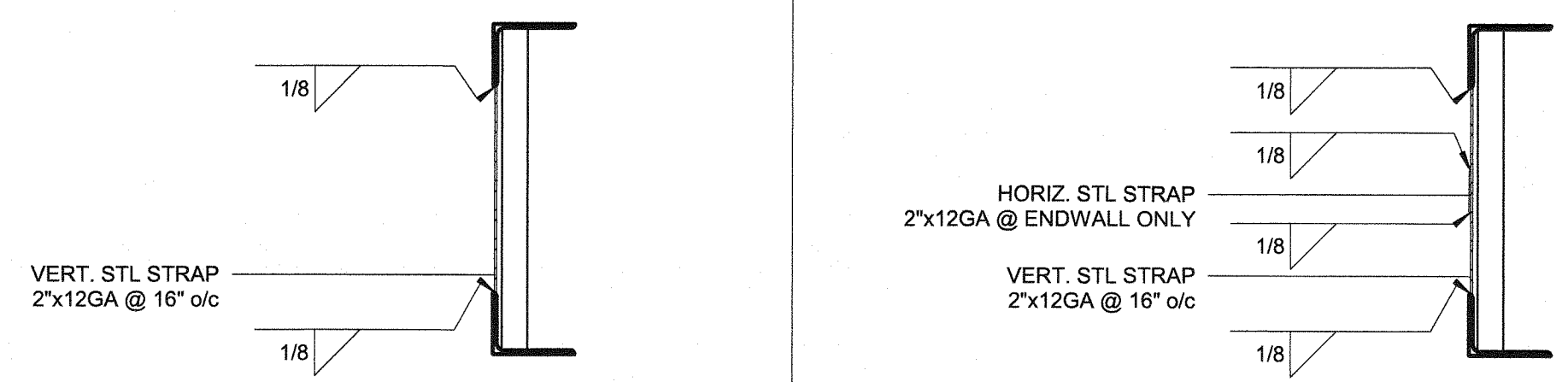
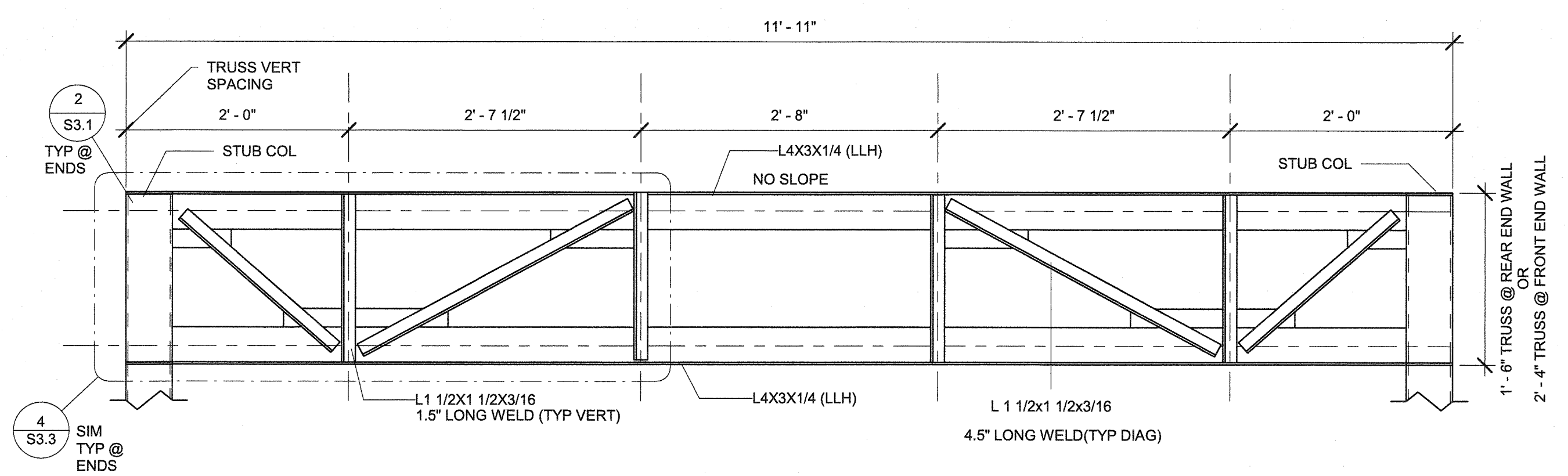


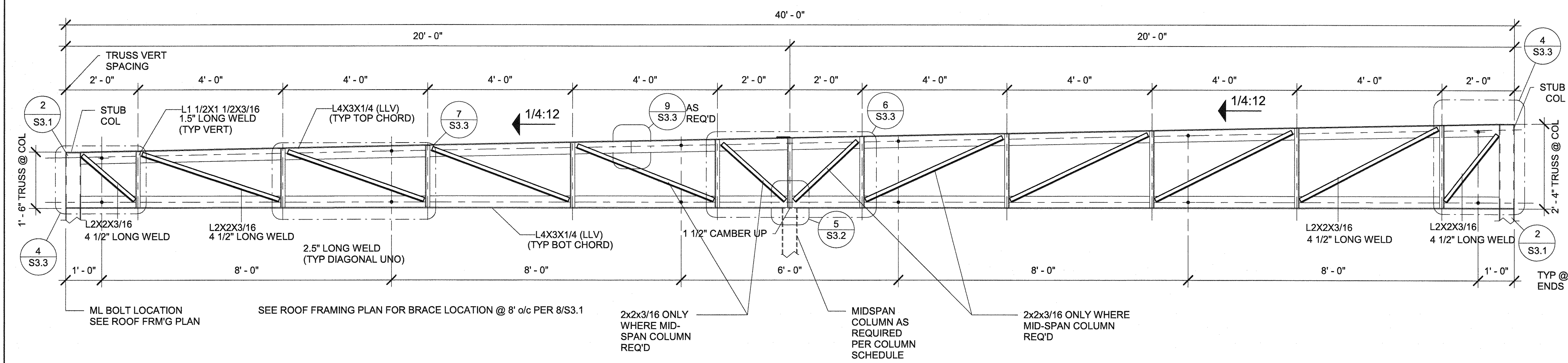
TABLE A-SECTION CENTROID	
SECTION	CENTROID C
L4X3 (LLV)	1 1/4"
L4X3 (LLH)	3/4"
L2X2X3/16	9/16"
L1.5X1.5X3/16	7/16"



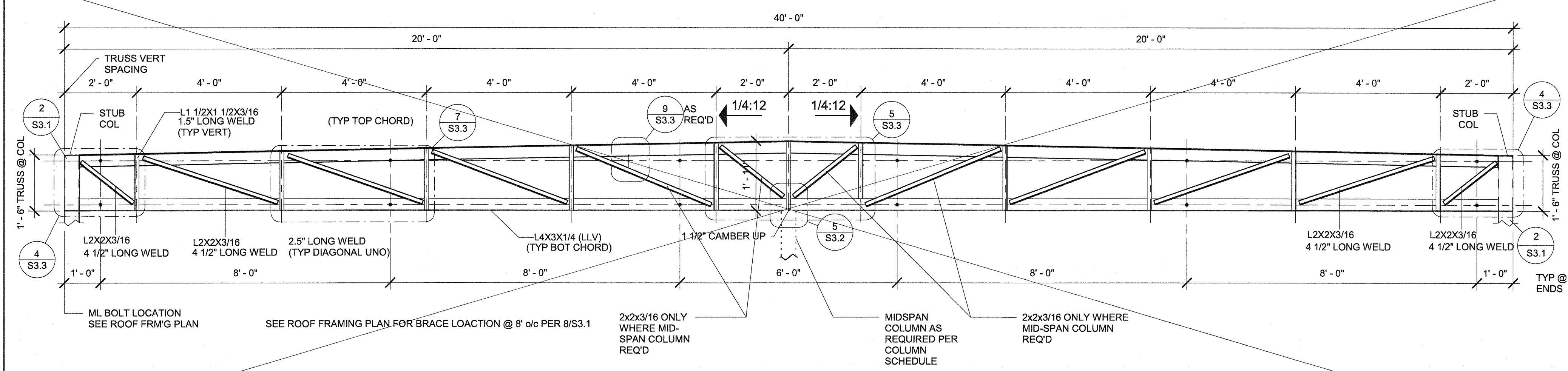
12 1/2" = 1'-0"
TABLE A - SECTION CENTROID



3 1" = 1'-0"
End Wall Truss



2 1/2" = 1'-0"
Mono Truss



1 1/2" = 1'-0"
Dual Truss

8 3" = 1'-0"
Typ Fillet Weld Lengths

9 3" = 1'-0"
Typ Truss Chord Splice

7 1 1/2" = 1'-0"
Typ Truss Bay

6 1 1/2" = 1'-0"
Typ Truss @ Center Bay (Mono Slope)

5 1 1/2" = 1'-0"
Typ Truss @ Center Bay (Dual Slope)

4 1 1/2" = 1'-0"
Typ End Bay to Stub Conn

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ORIGINAL PC STATE AGENCY APPROVAL
FILE NUMBER: PC-128
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116504 INCR: 0
AC RM FL'S EA SSR KER
DATE 07/19/2018

PROJECT TITLE
**24' x 40'
EXPANDABLE TO
120' x 40'**

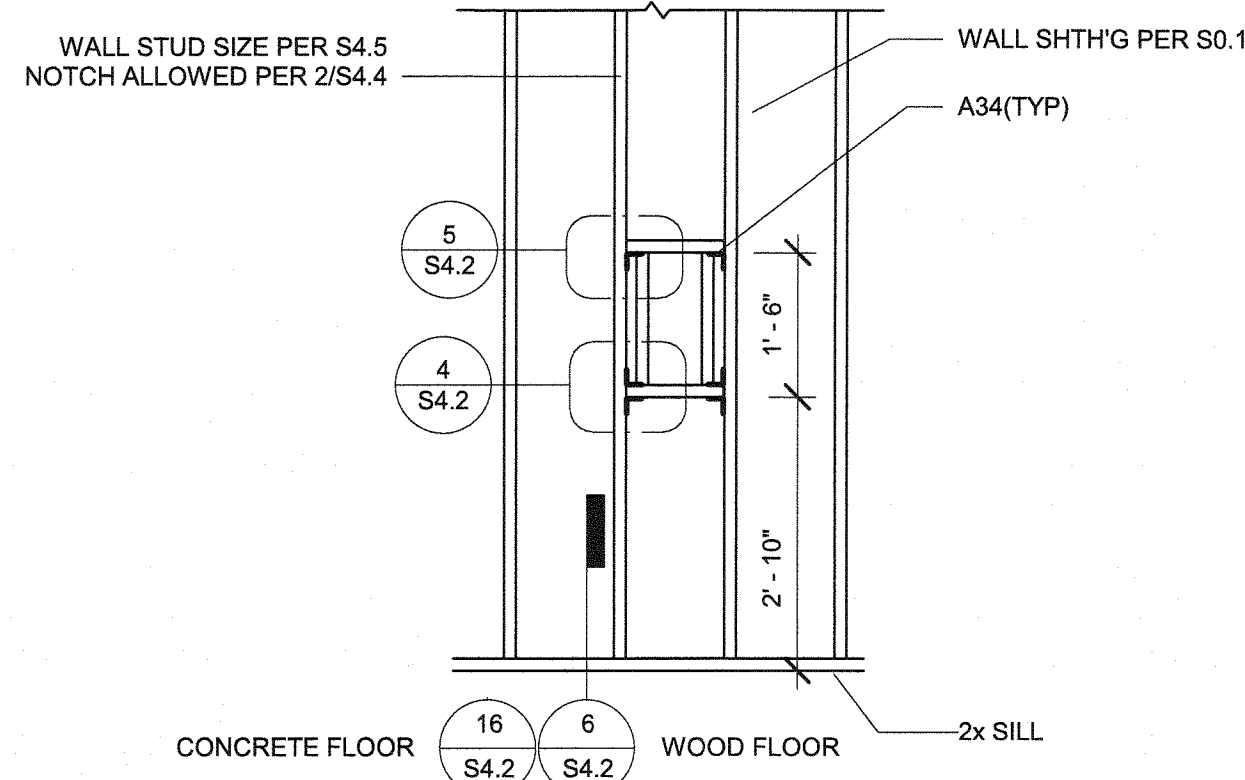
PRE-CHECK (PC) DOCUMENT
Code: 2016 JCB
A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 119164
ACS FL'S SS 4
DATE MAR 12 2018

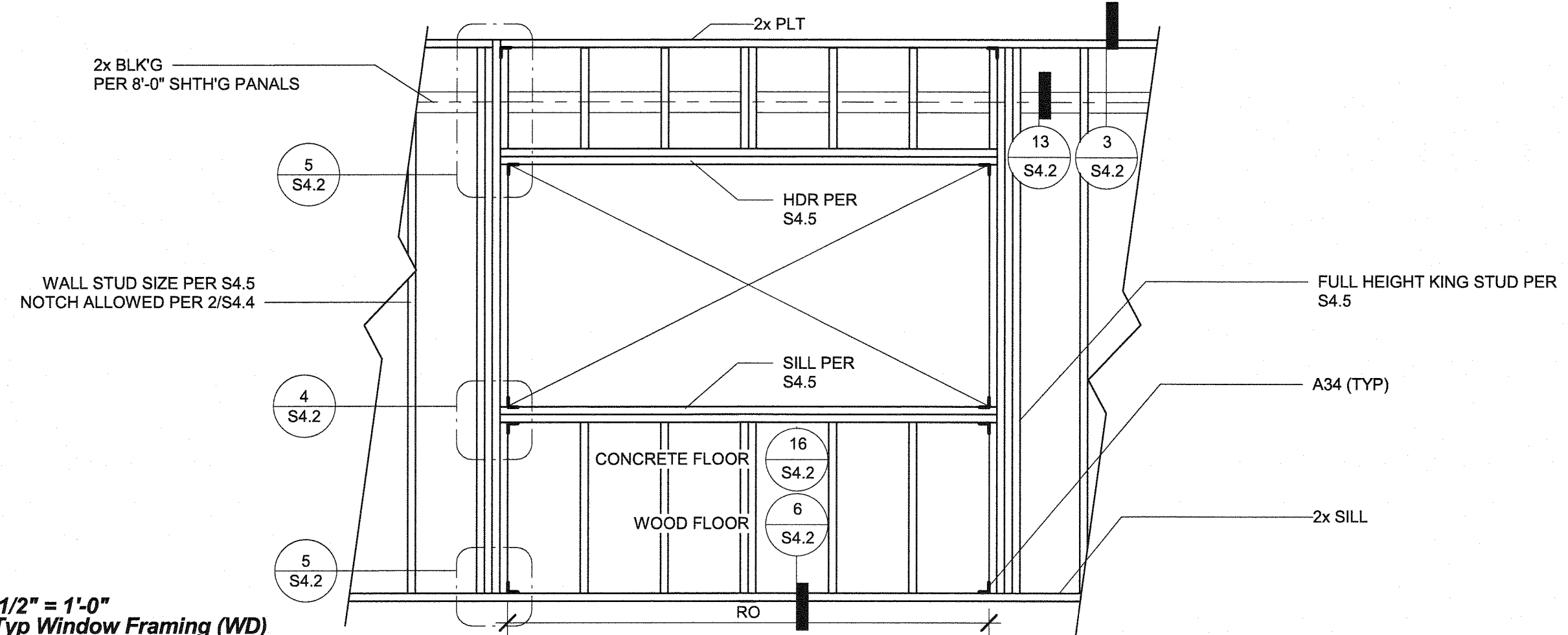
Revision Schedule		
#	Description	Date

SHEET TITLE
ROOF PERIMETER TRUSS

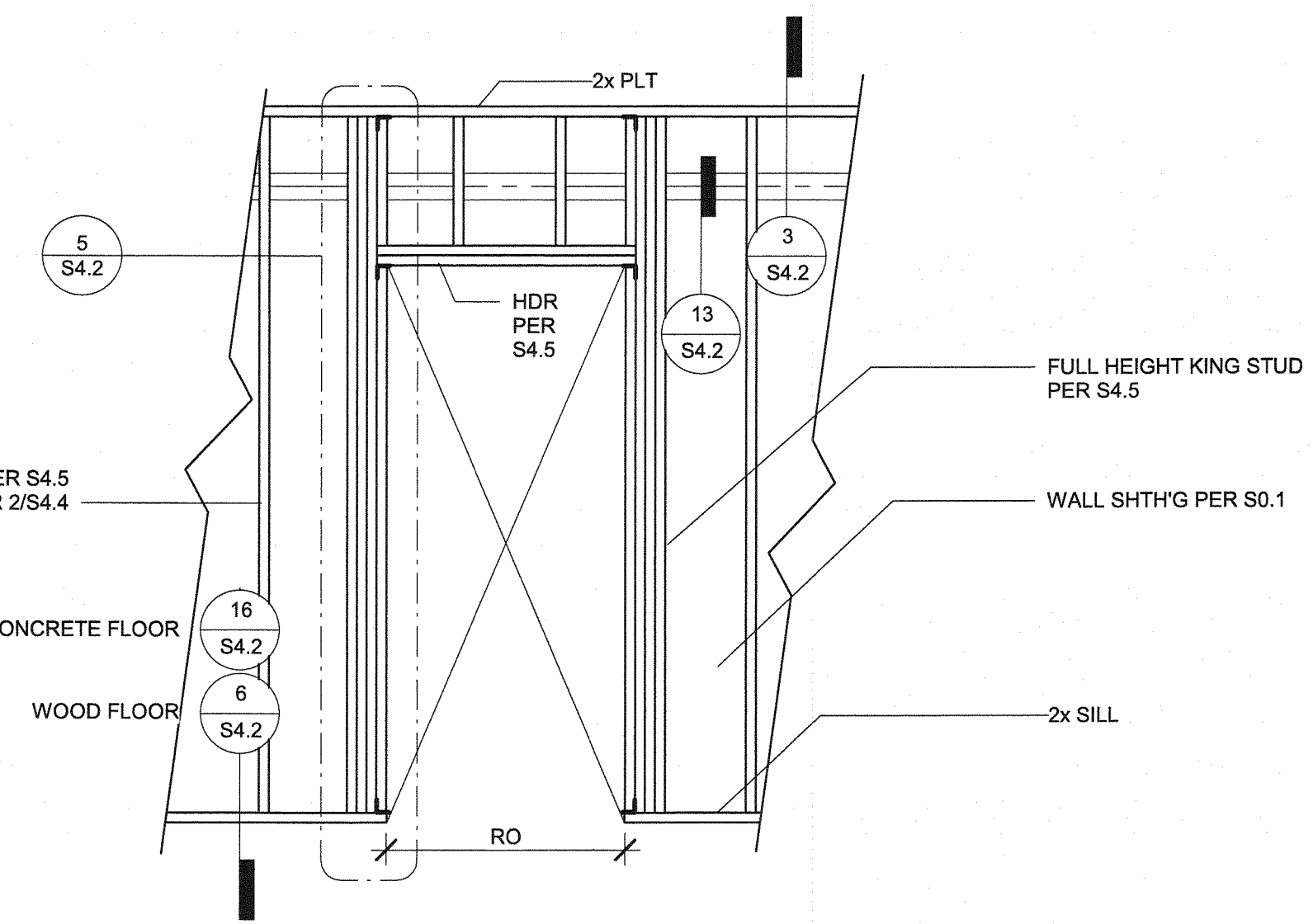
PROJECT NUMBER
17016A
DRAWN BY
rMc/SC
CHECKED BY
JA/RT
DATE
2017/06/05
SHEET NO.
S3.3
SHEET OF SHEETS



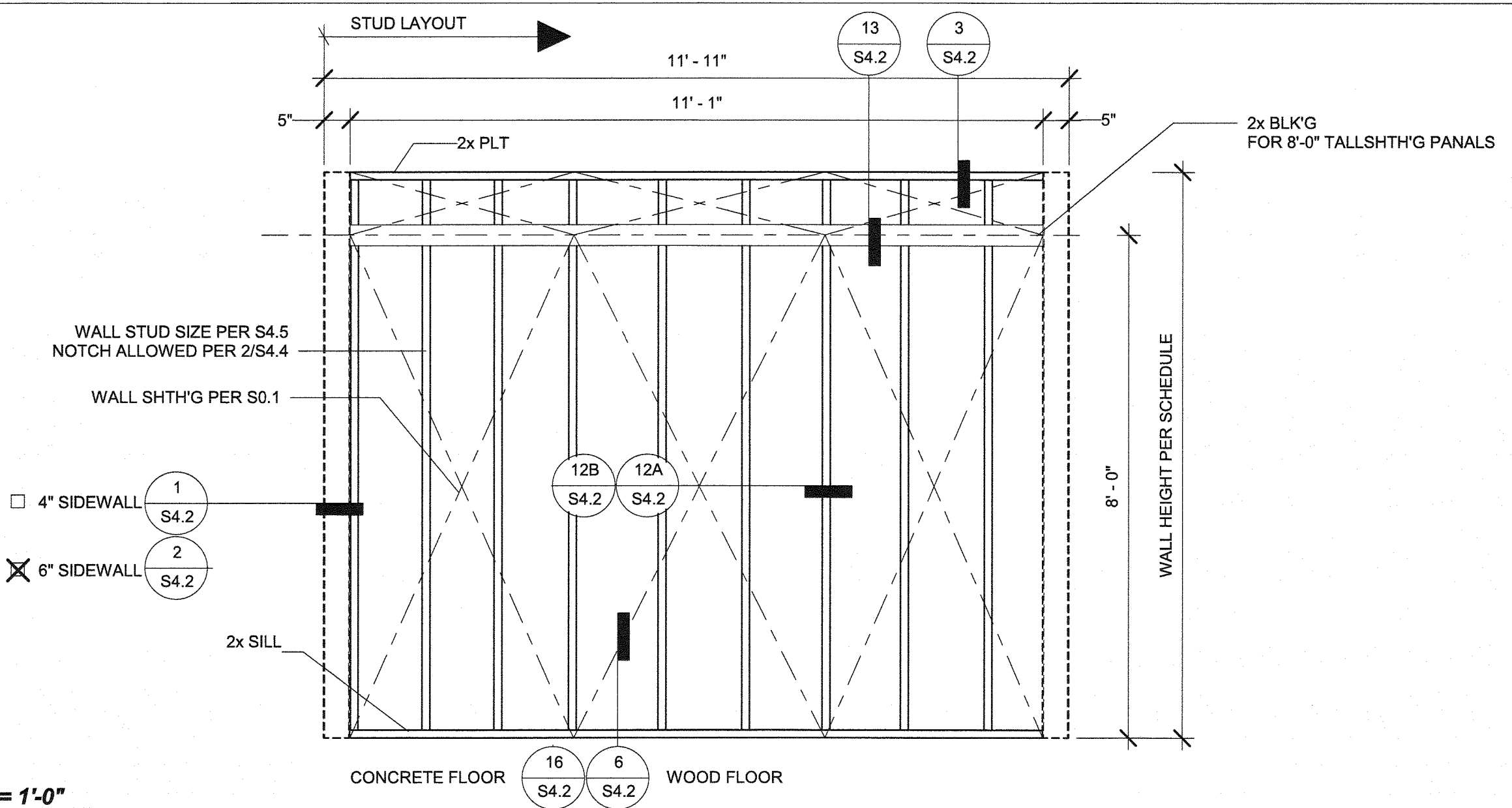
6 1/2" = 1'-0"
Typ Fire Extinguisher Framing (WD)



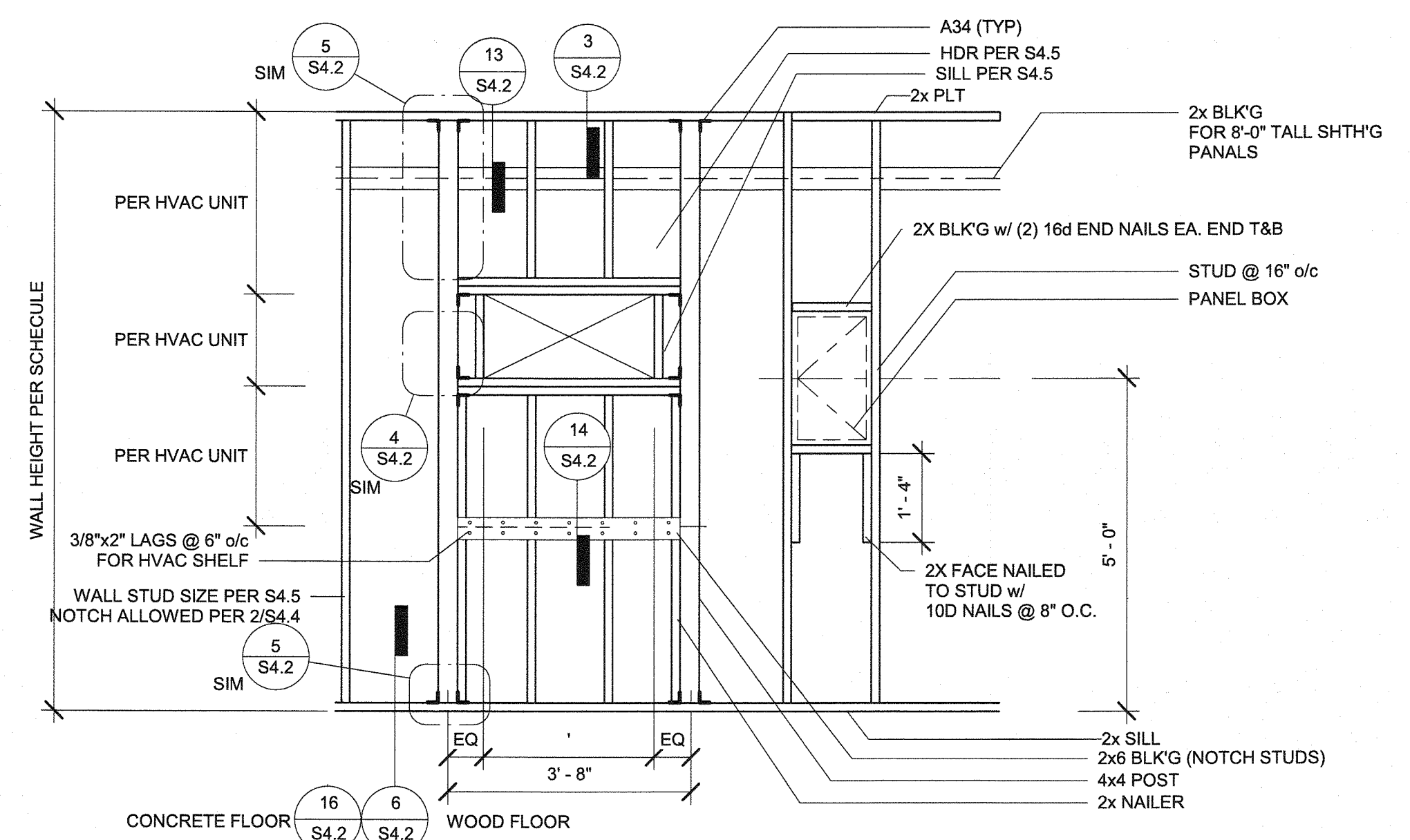
4 1/2" = 1'-0"
Typ Window Framing (WD)



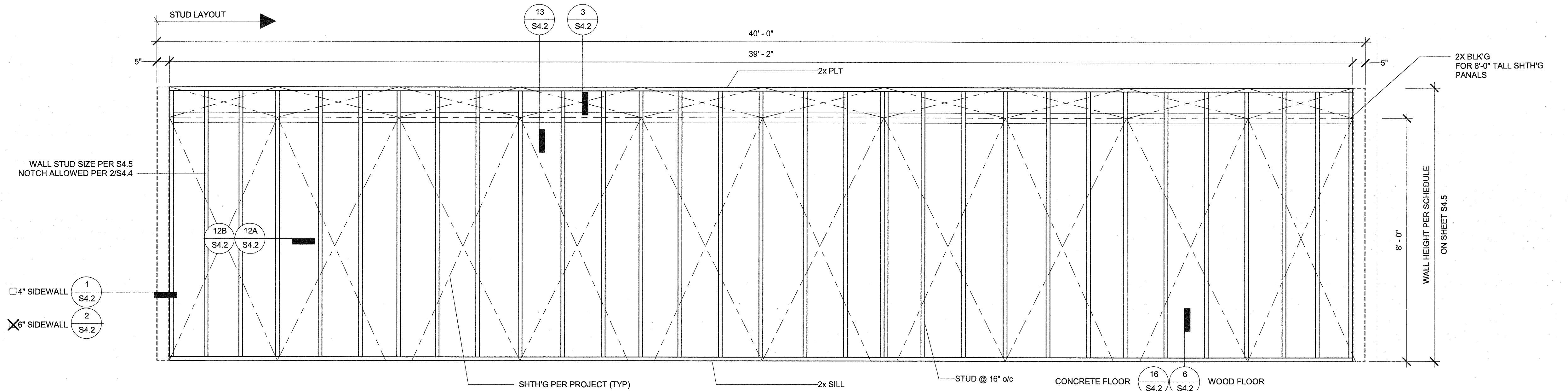
5 1/2" = 1'-0"
Typ Door Framing (WD)



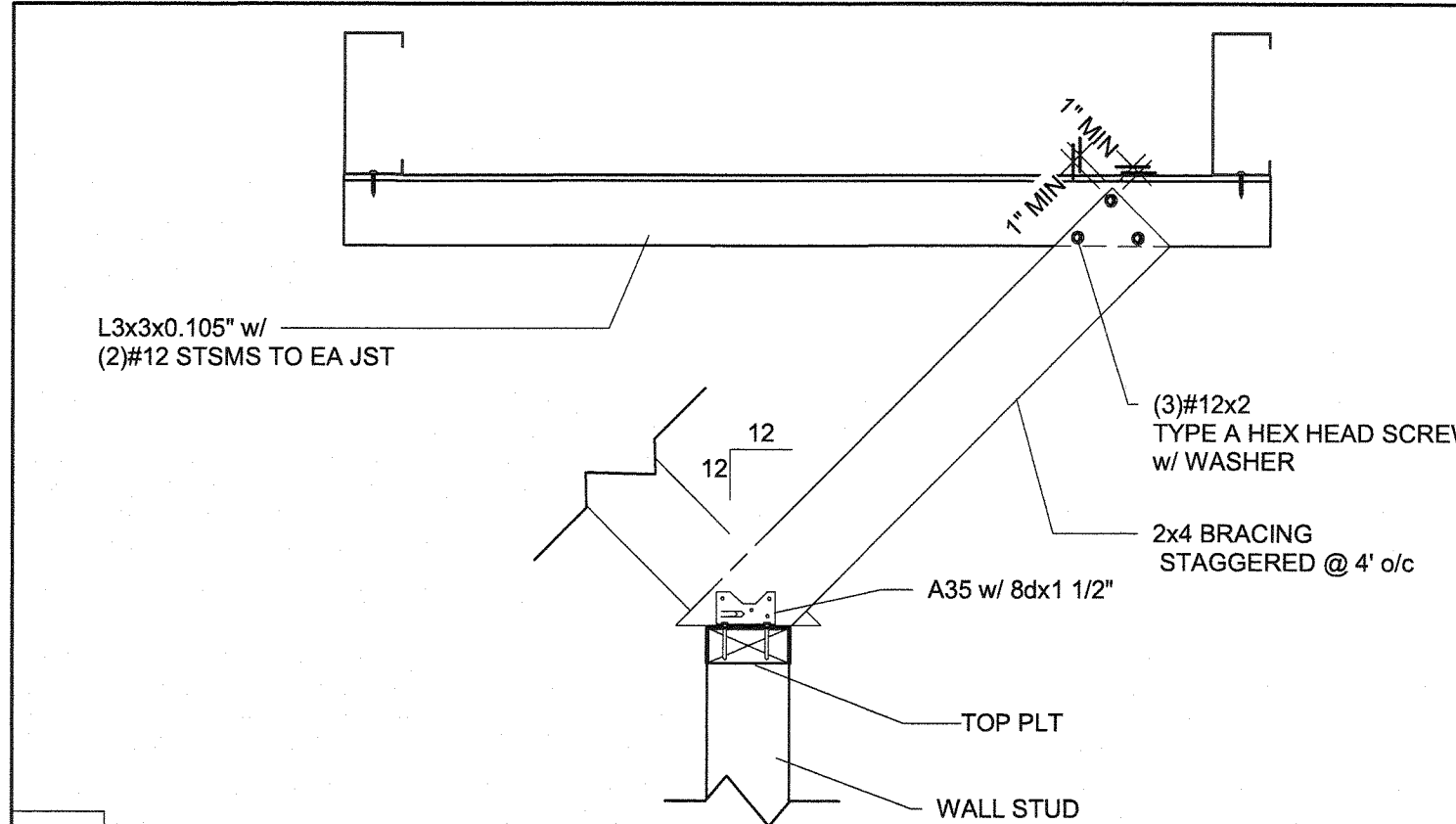
2 1/2" = 1'-0"
Typ Endwall Framing (WD)



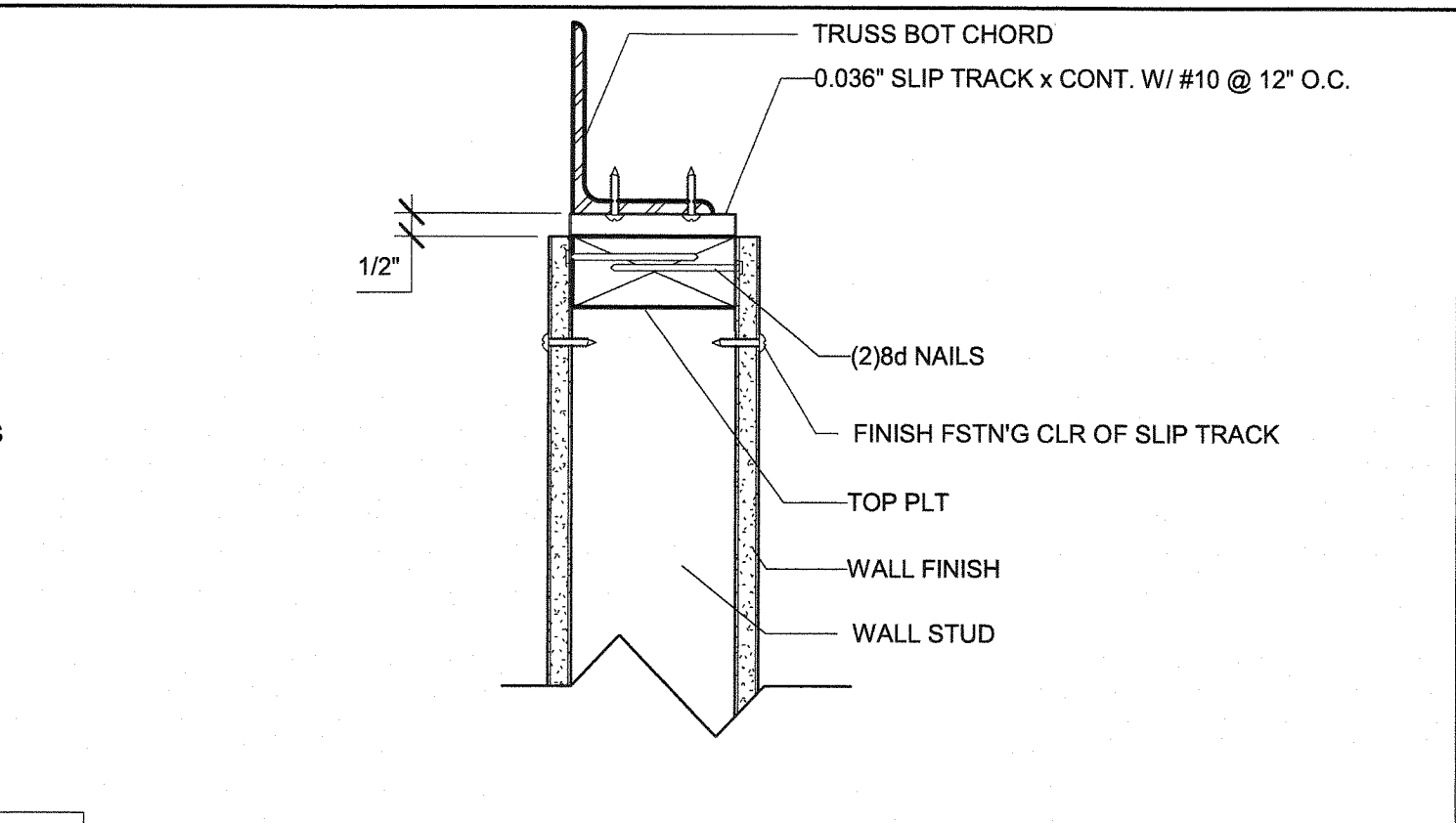
3 1/2" = 1'-0"
Typ Endwall Framing @ HVAC (WD)



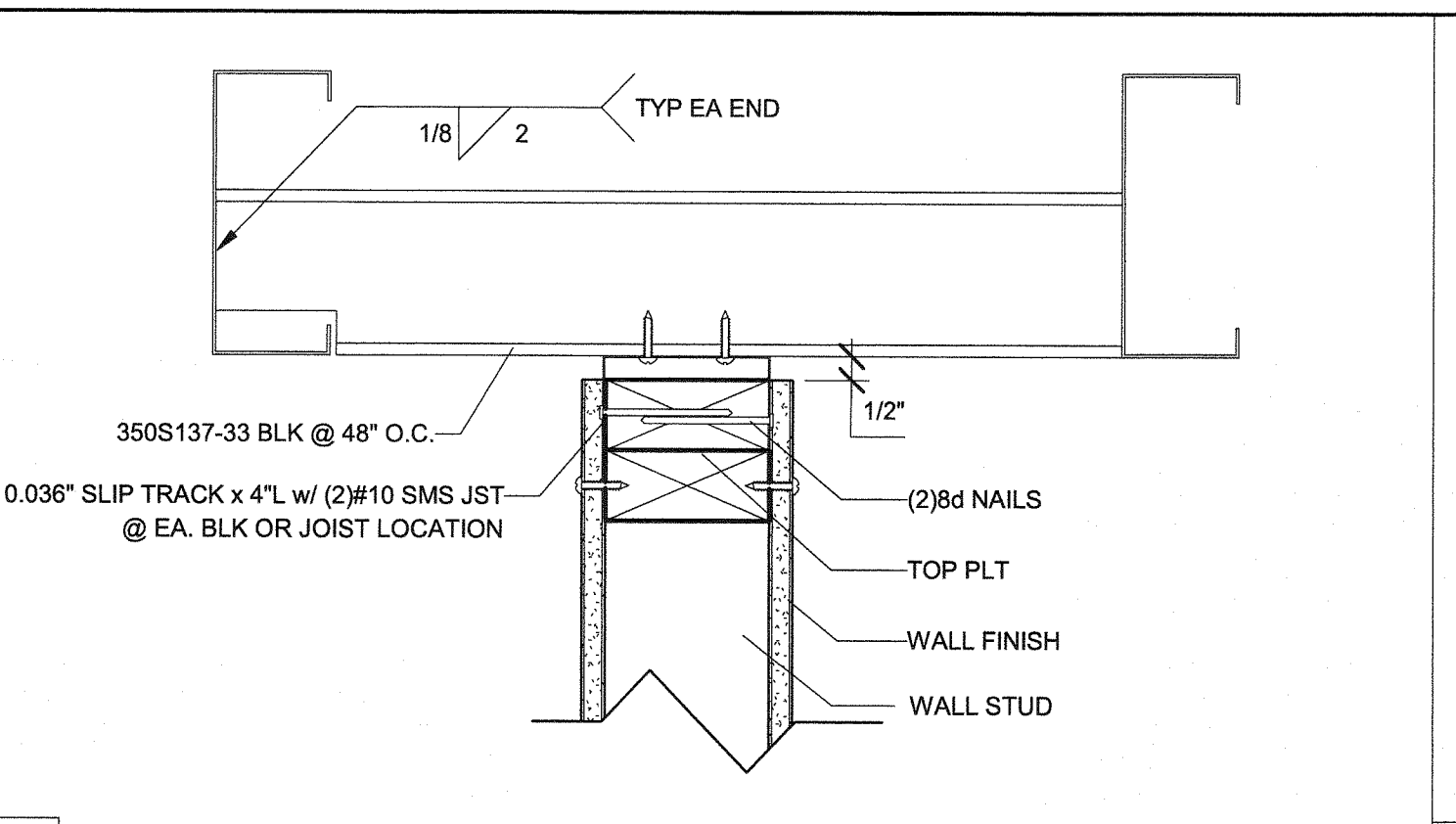
1 1/2" = 1'-0"
Typ Sidewall Framing (WD)



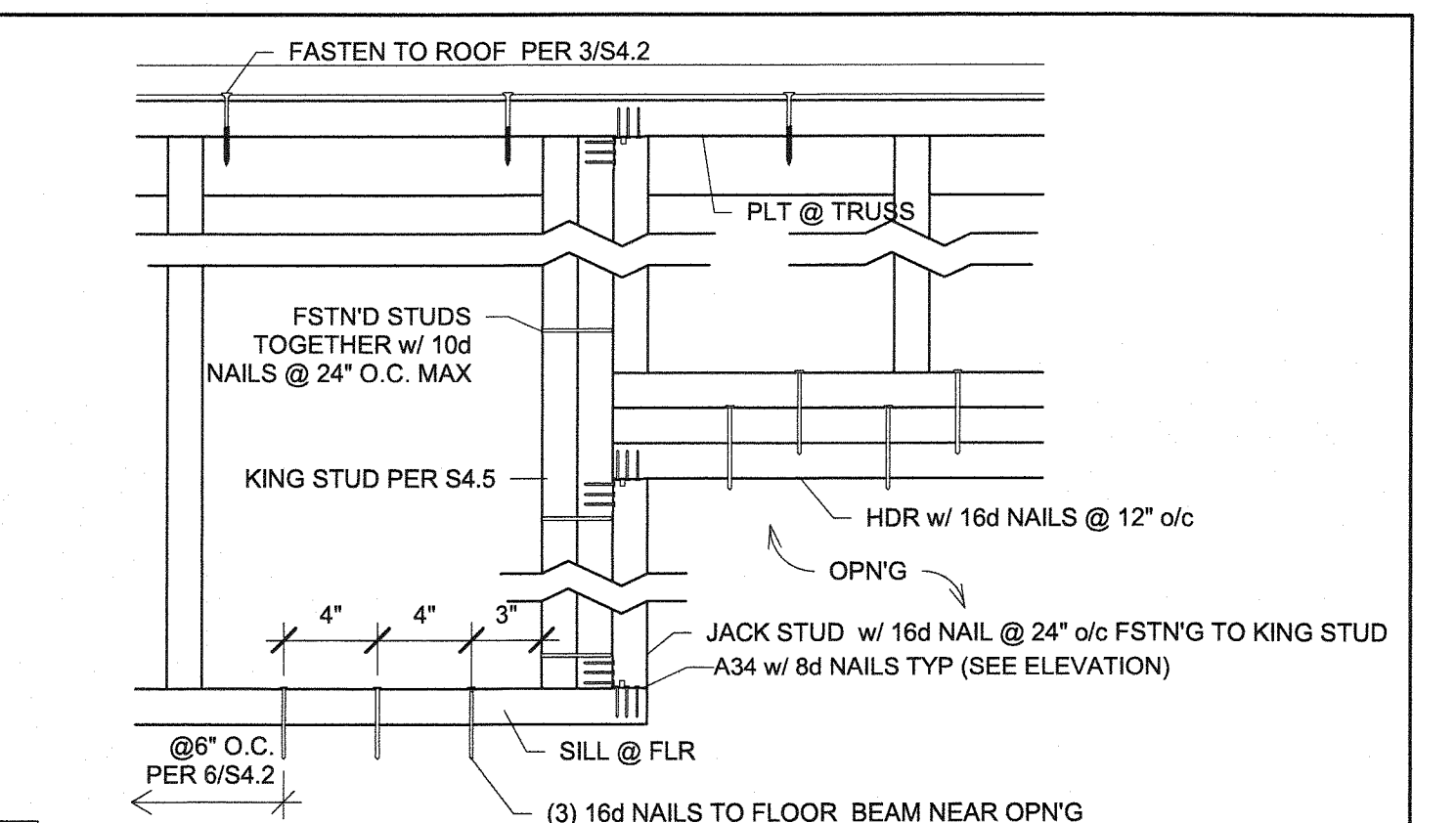
20 1 1/2" = 1'-0"
Sections - Interior Partition w/ Brace to Blk'g (WD)



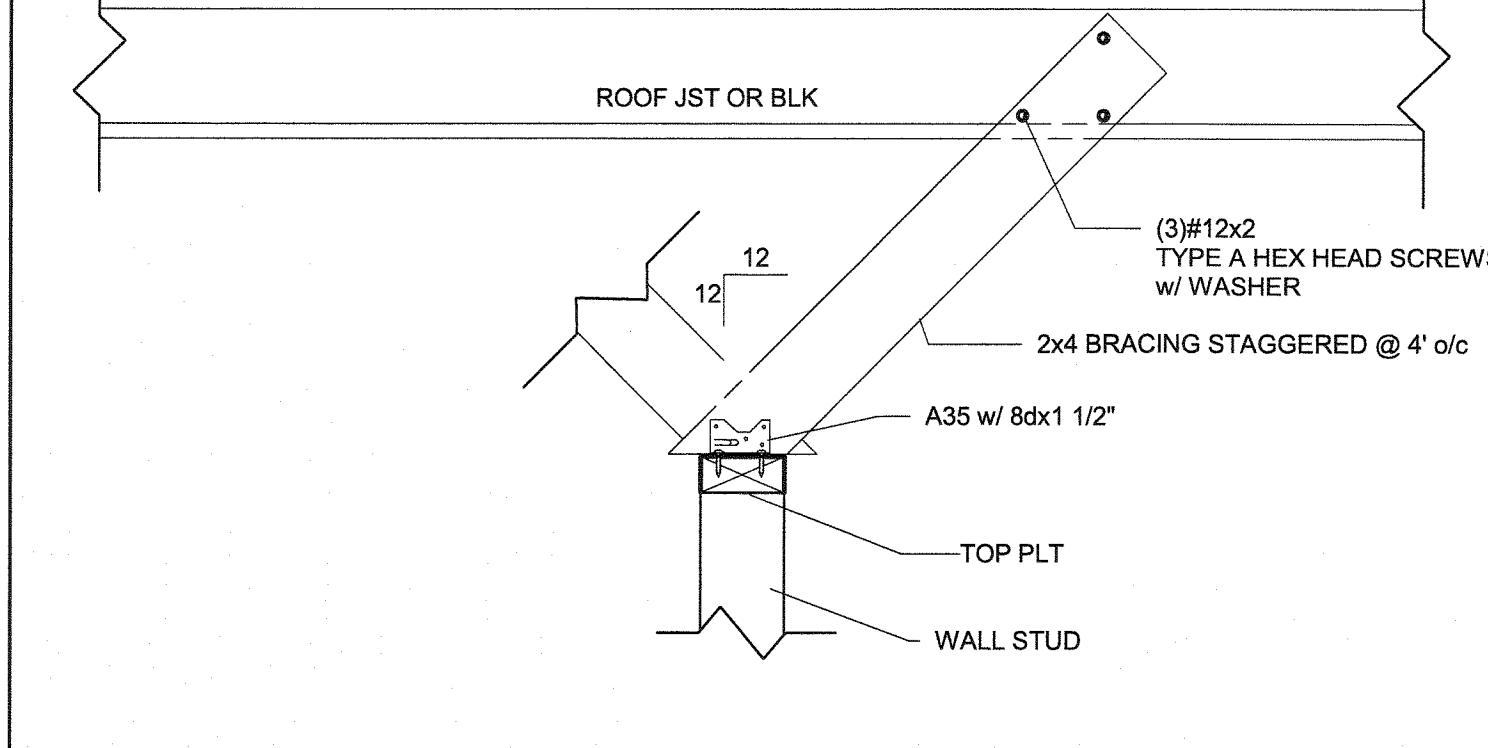
15 3" = 1'-0"
Section - Interior Wall Top Plate @ Truss (ML)



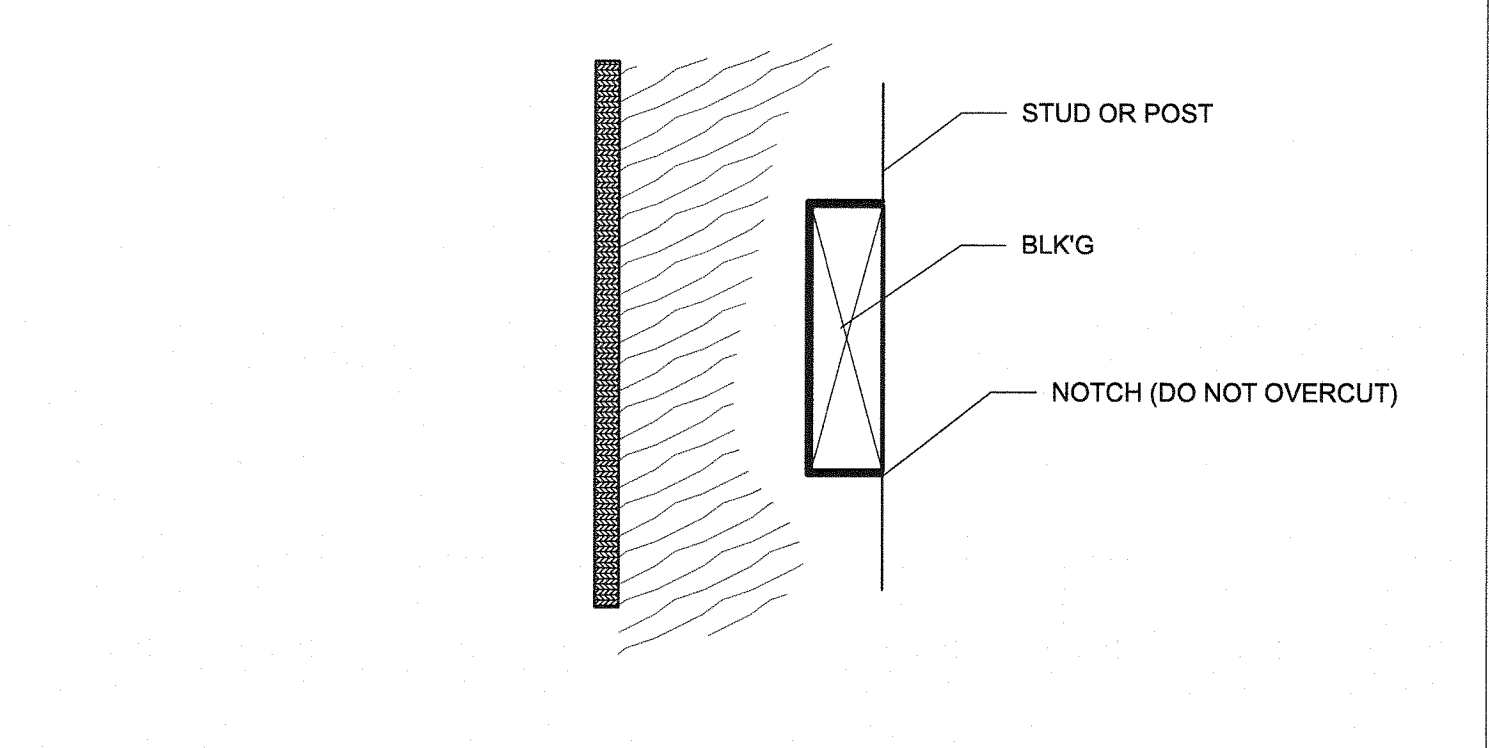
10 3" = 1'-0"
Sections - Interior Partition @ Blk'g (WD)



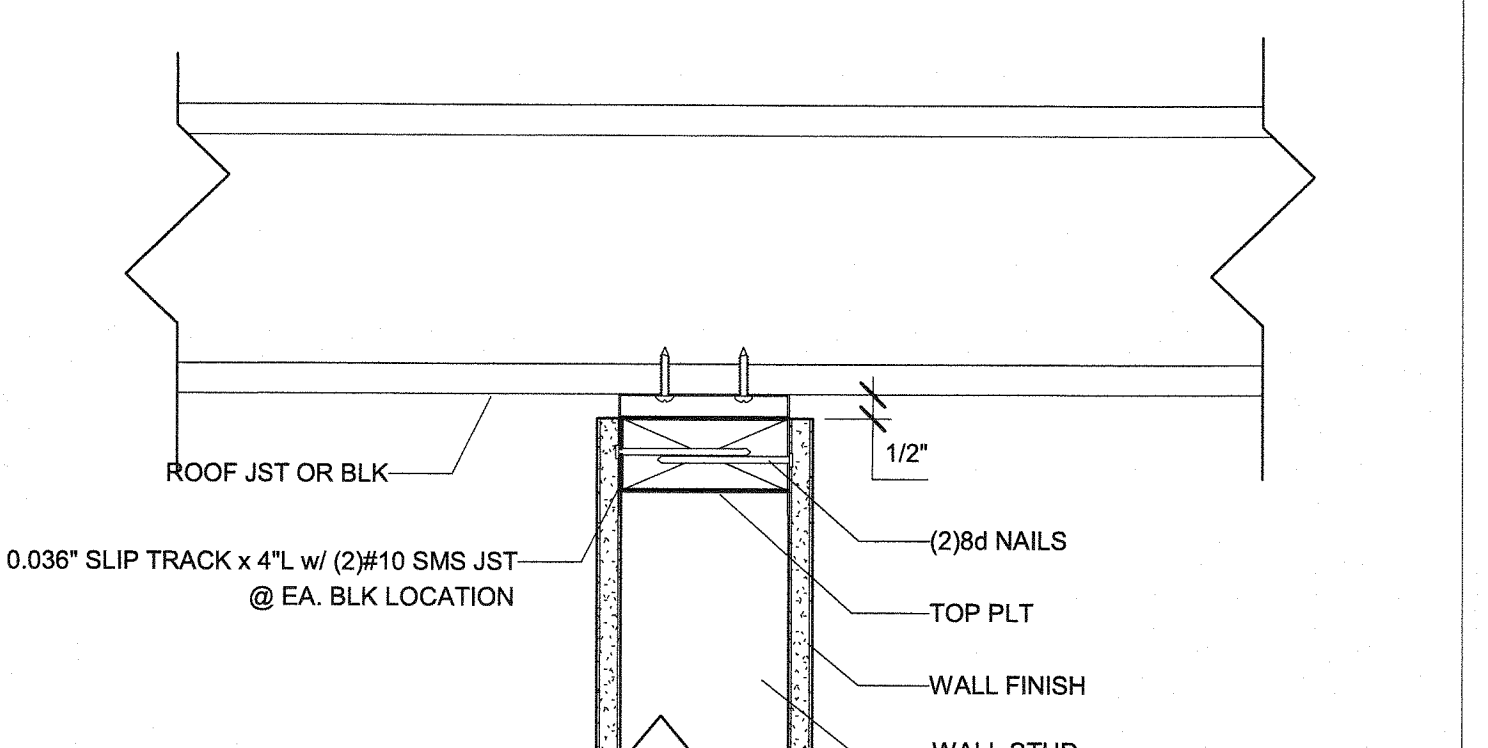
5 1 1/2" = 1'-0"
Elevation - Window/Door Hdr and Sill



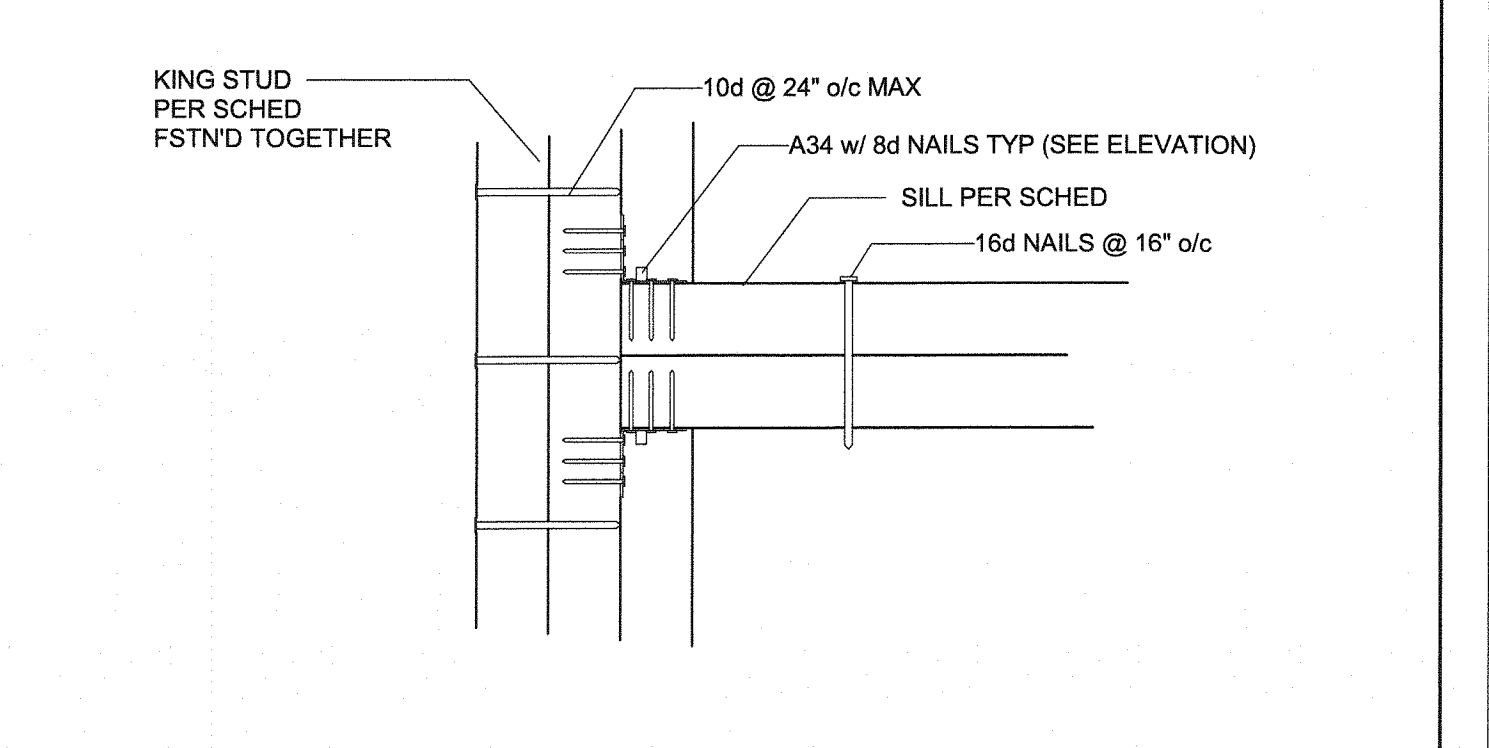
19 1 1/2" = 1'-0"
Sections - Interior Partition w/ Brace (WD)



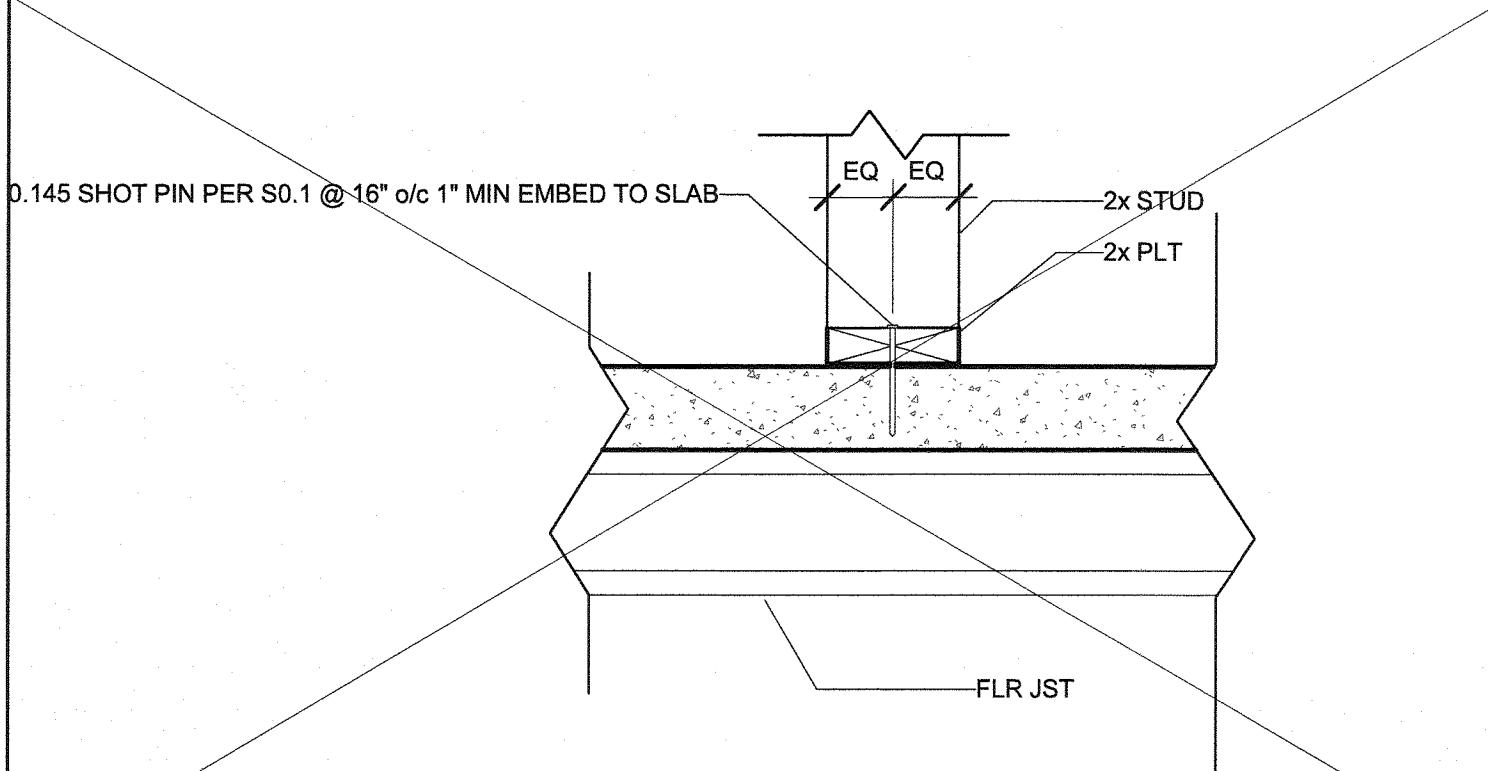
14 3" = 1'-0"
Notch Stud @ Blk'g



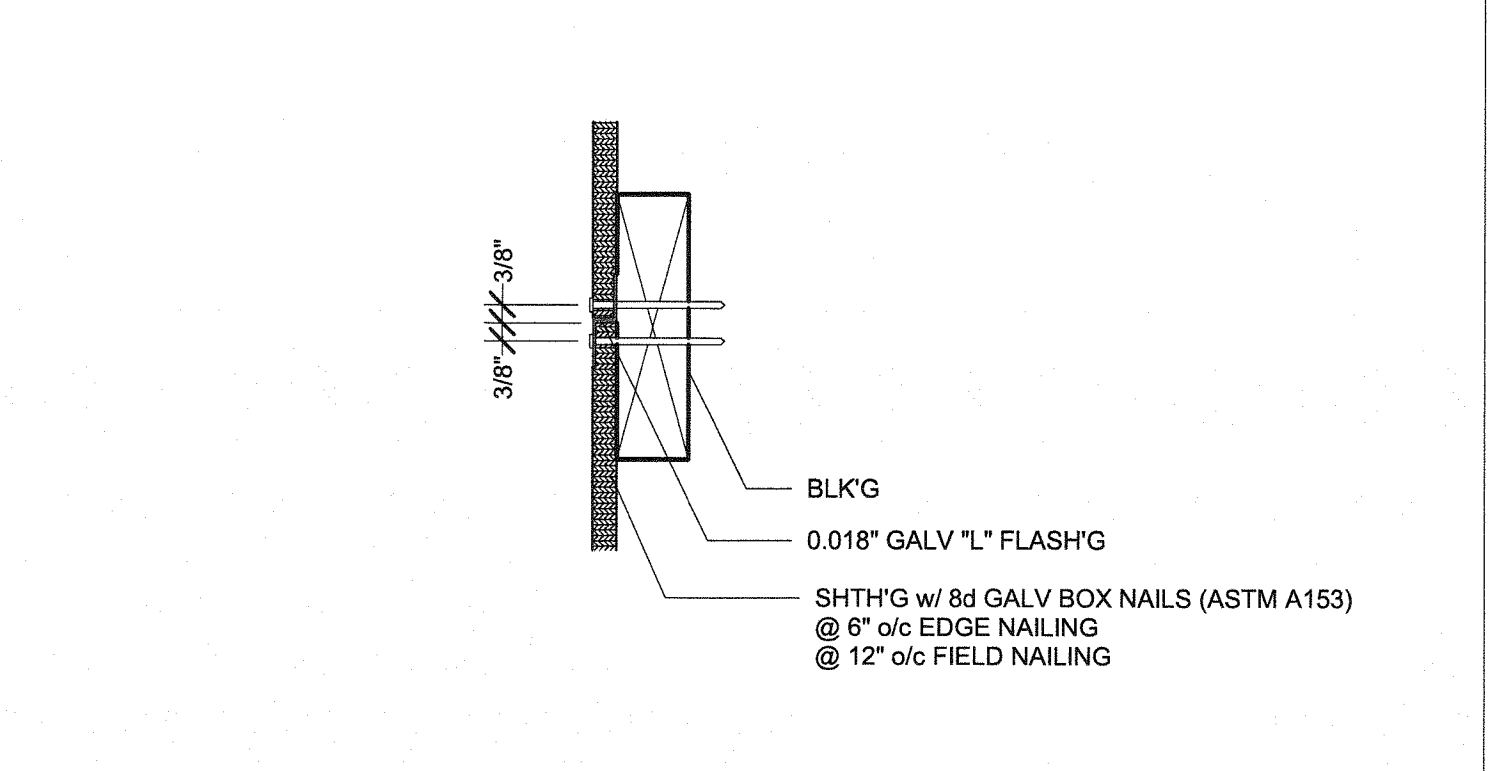
9 3" = 1'-0"
Sections - Interior Partition @ Jst (WD)



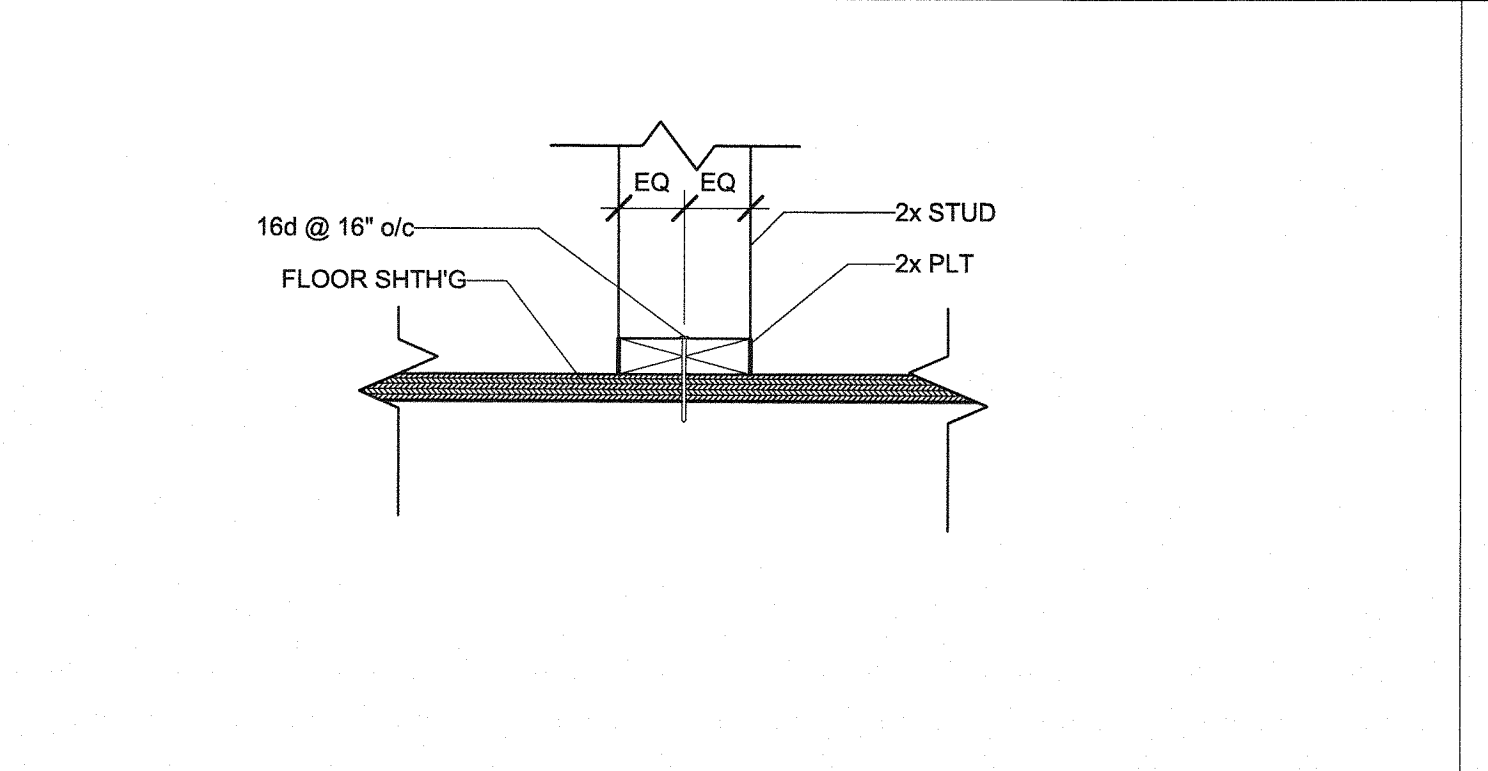
4 3" = 1'-0"
Elevation - Ext Wall Sill @ Window



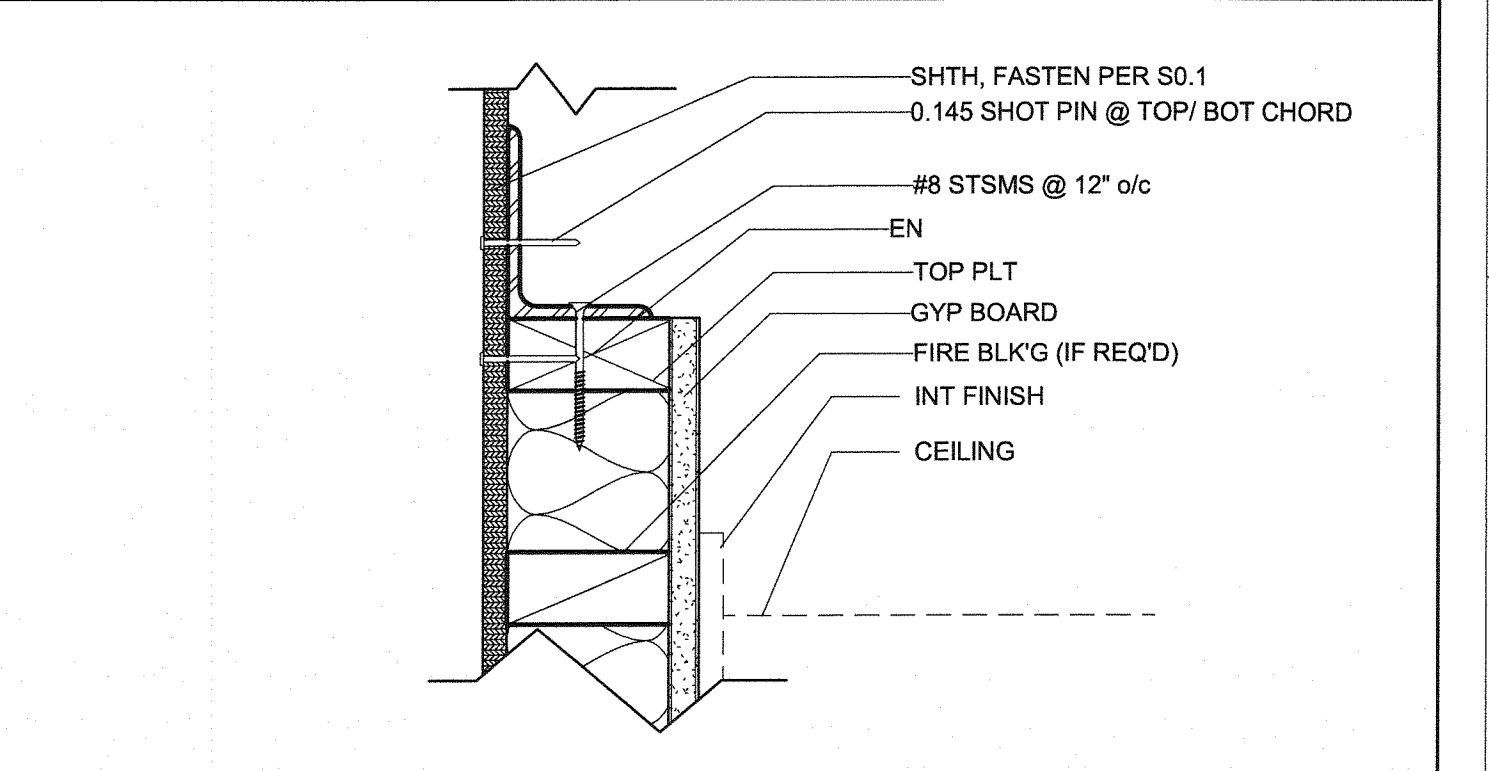
18 1 1/2" = 1'-0"
Typ Partition Sill Connection (CONC)



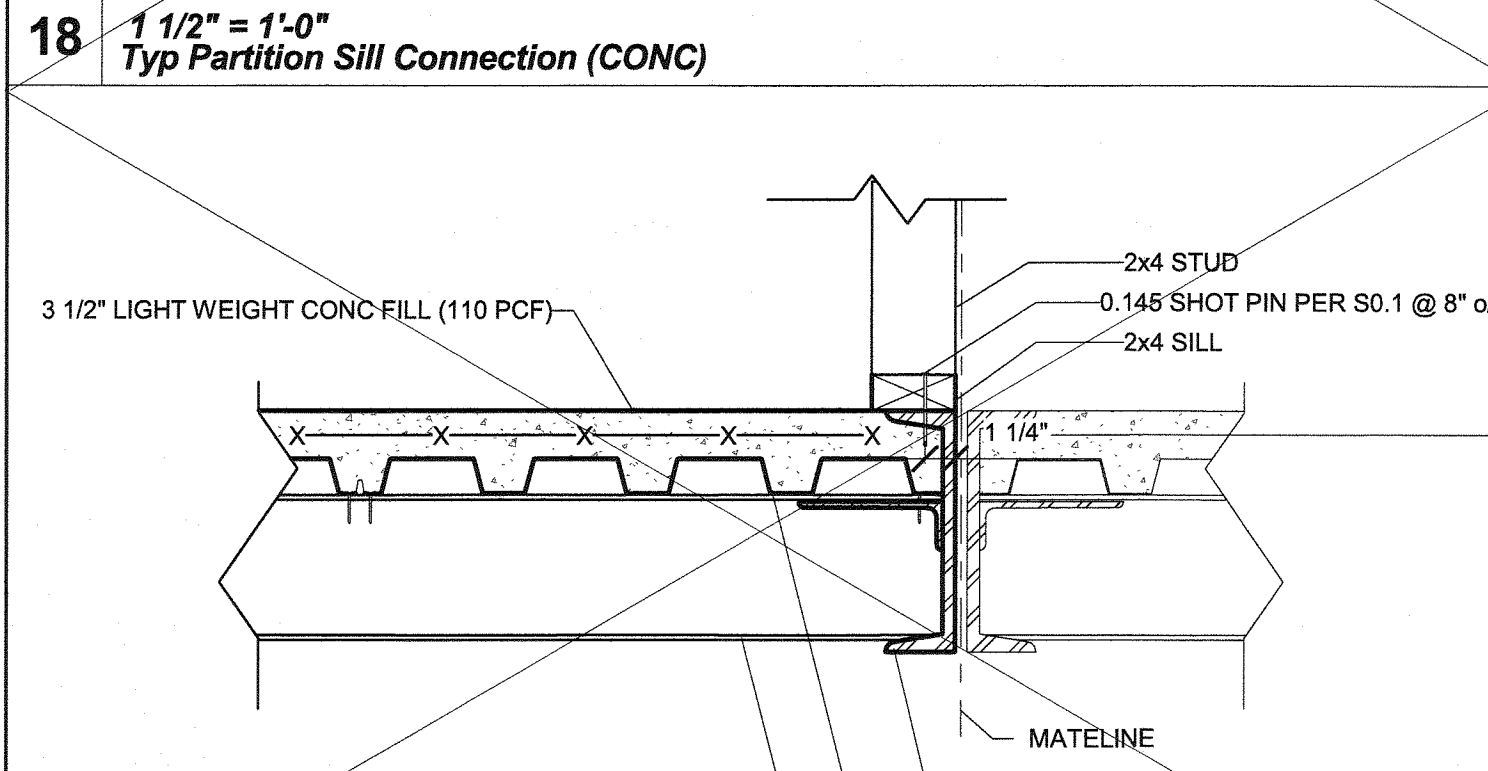
13 3" = 1'-0"
Shth'g @ Blk'g



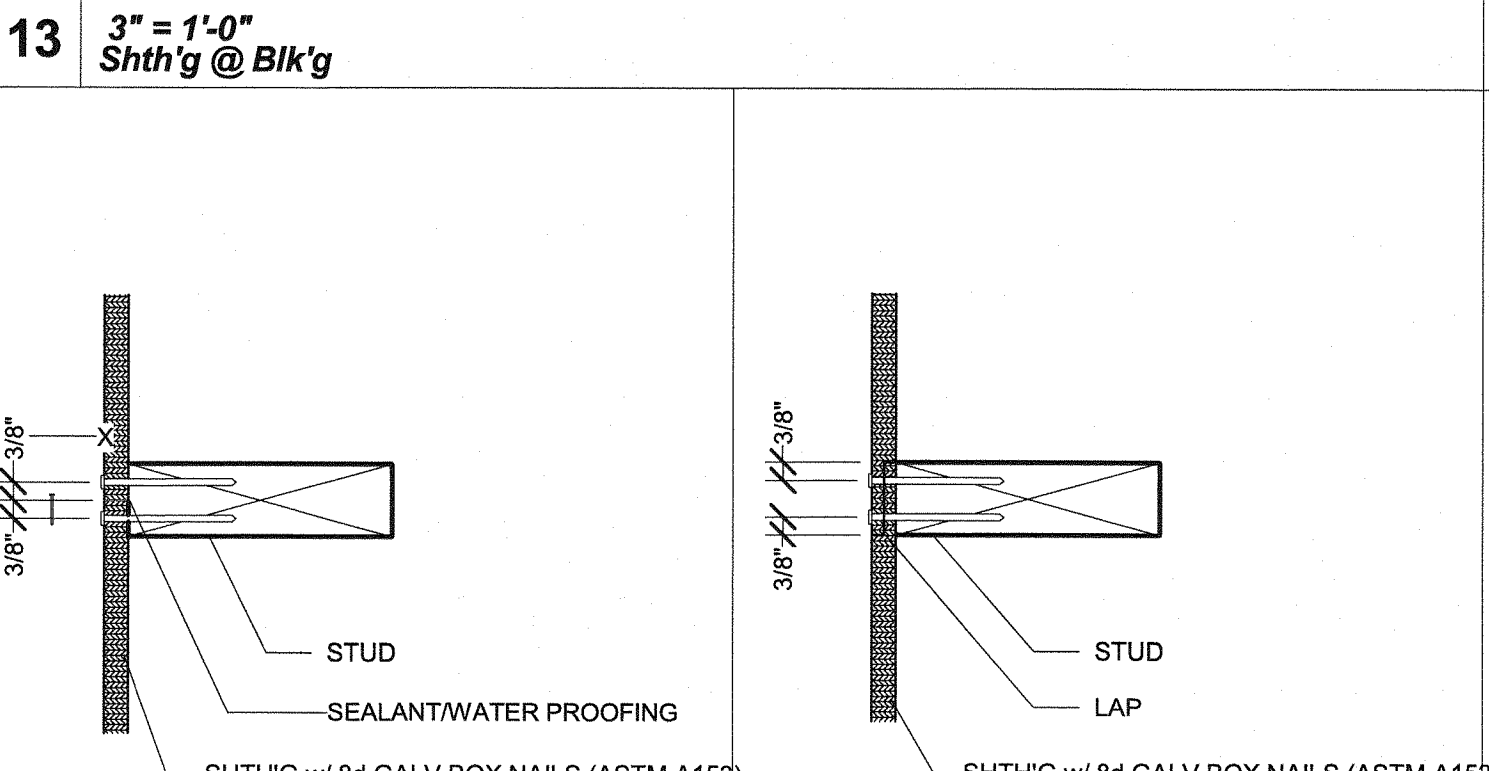
8 1 1/2" = 1'-0"
Typ Partition Sill Connection (WD)



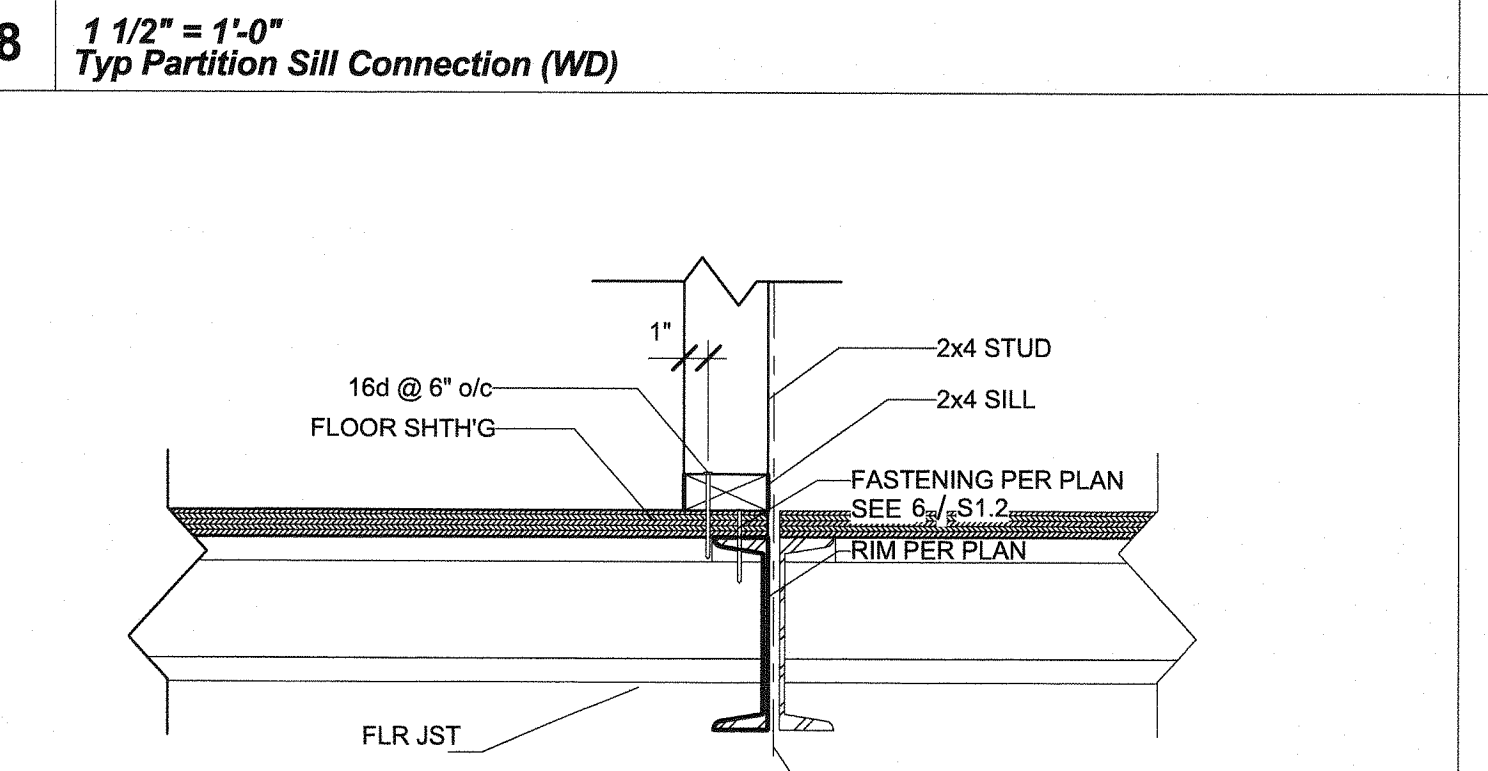
3 3" = 1'-0"
Section - Exterior Wall Top Plate @ Truss (WD)



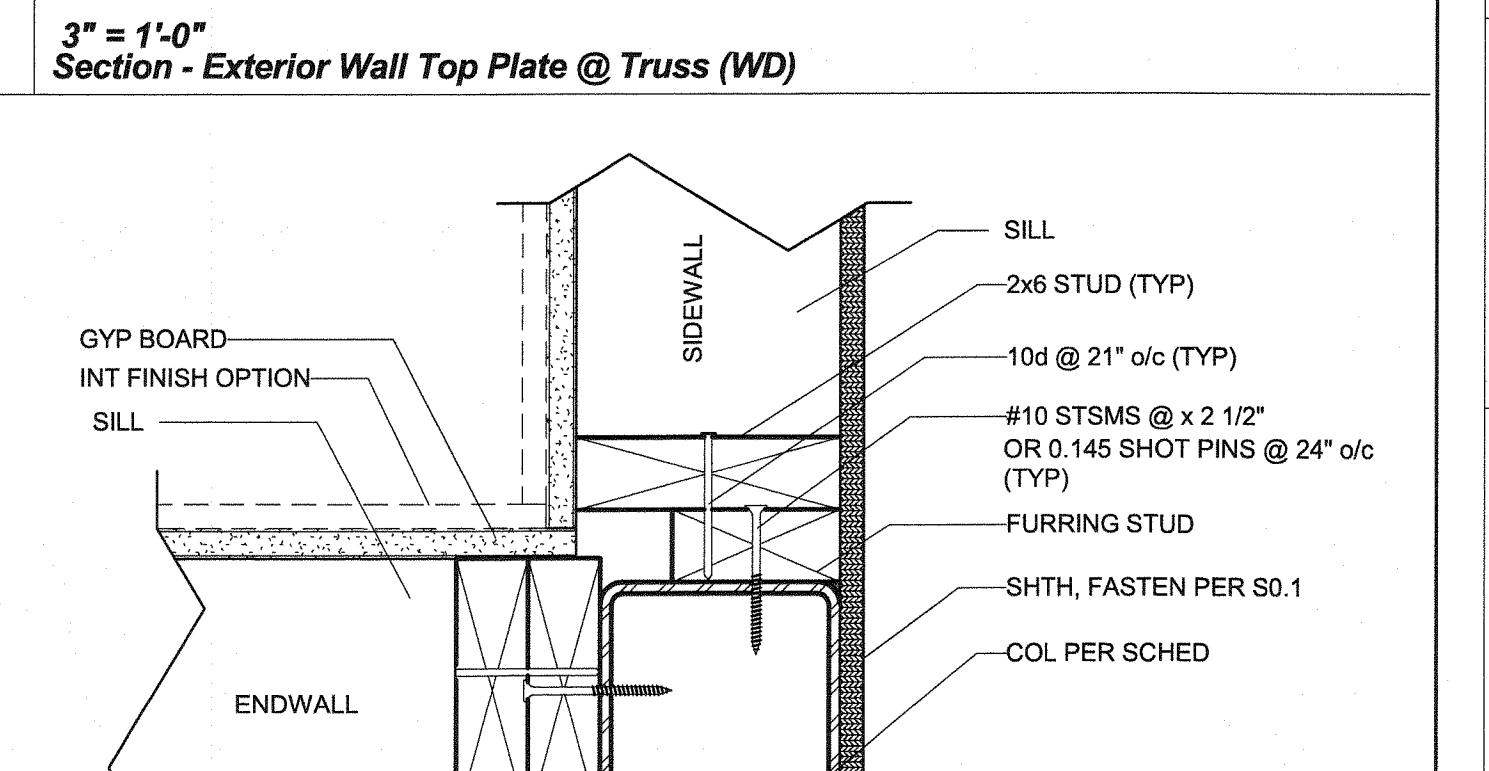
17 1 1/2" = 1'-0"
Wall Sill Pit Connection @ Interior Sidewall (CONC)



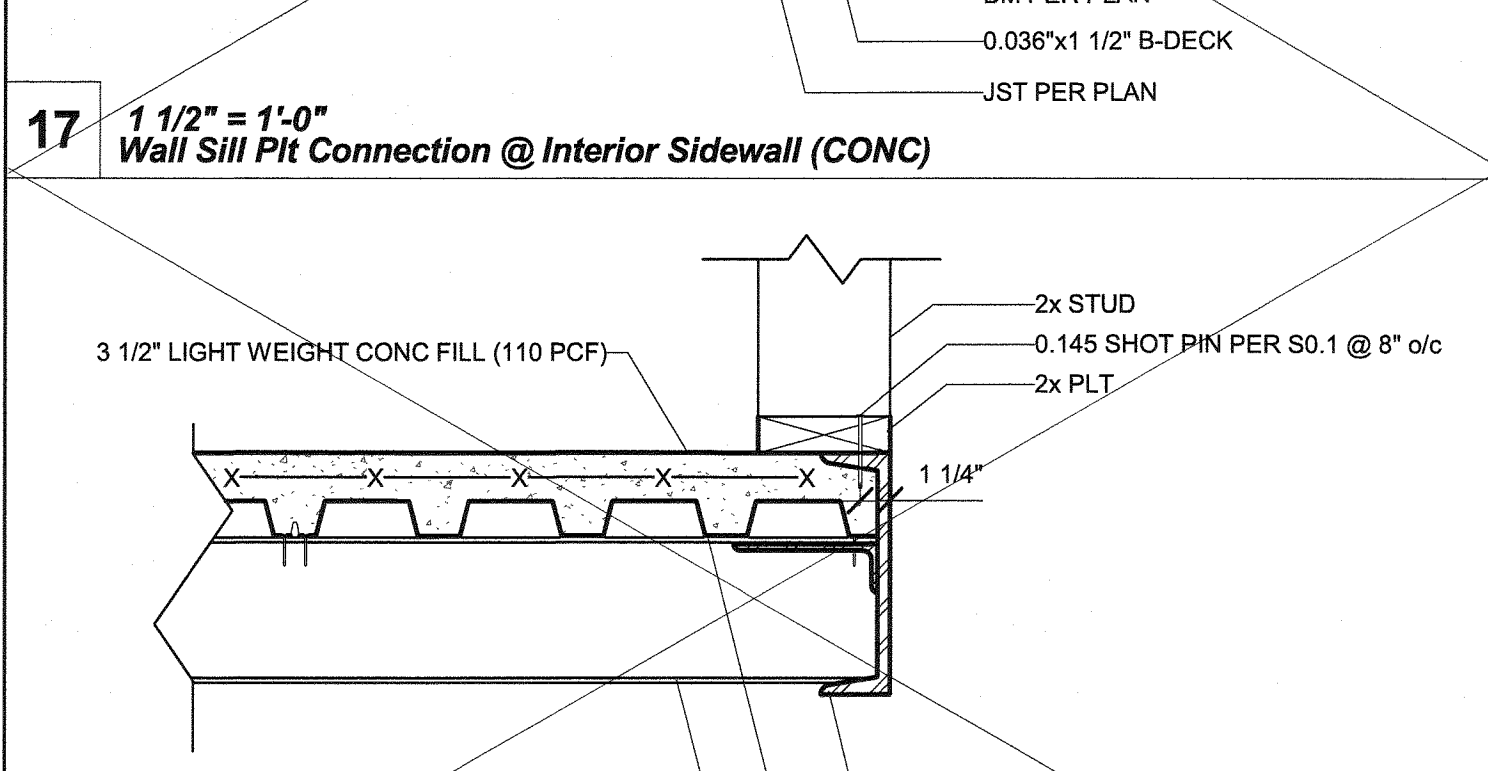
12A 3" = 1'-0"
Shth'g @ Butt Jnt



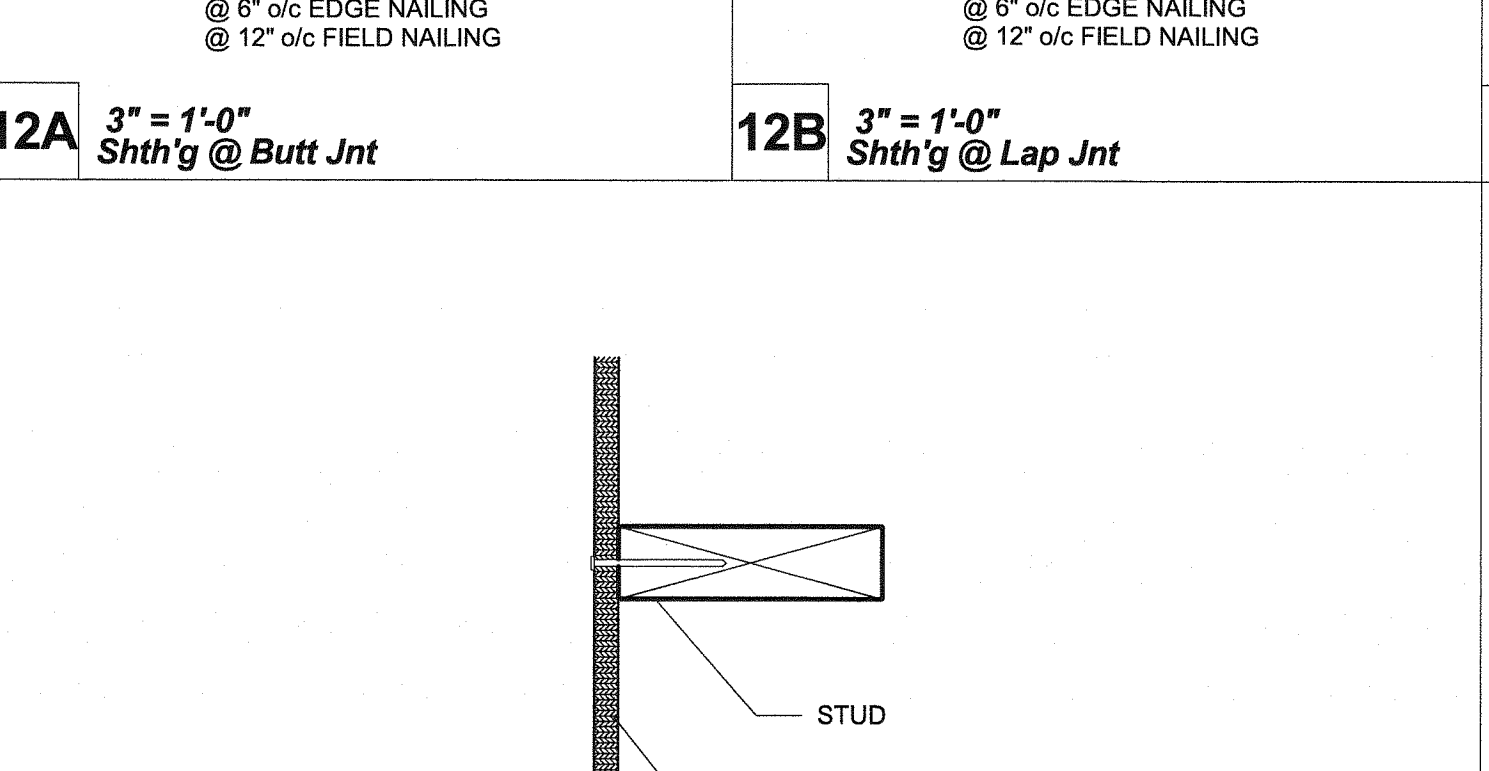
7 1 1/2" = 1'-0"
2x4 Wall Sill Connection @ Interior Sidewalls (WD)



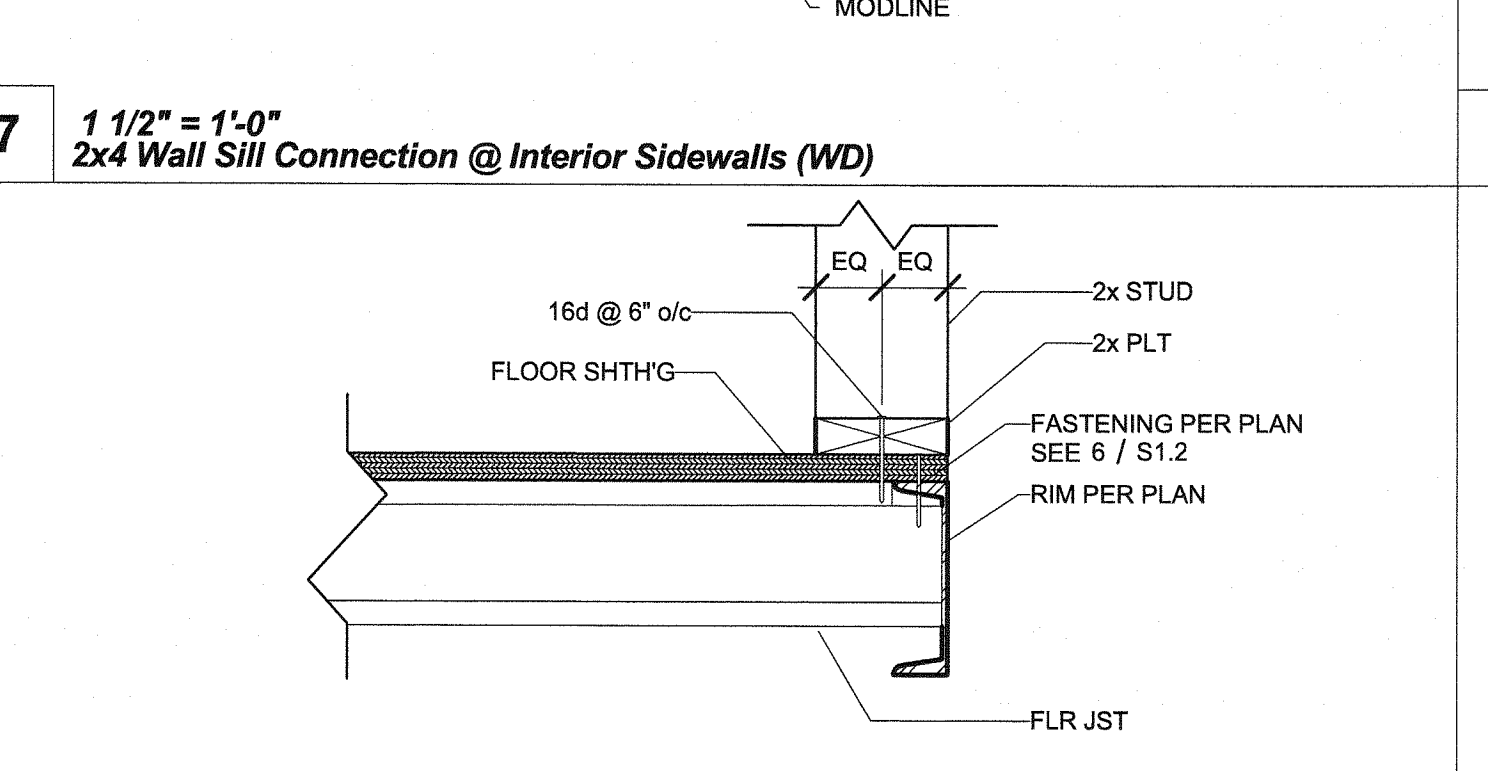
2 3" = 1'-0"
2x6 Framing @ Column (WD)



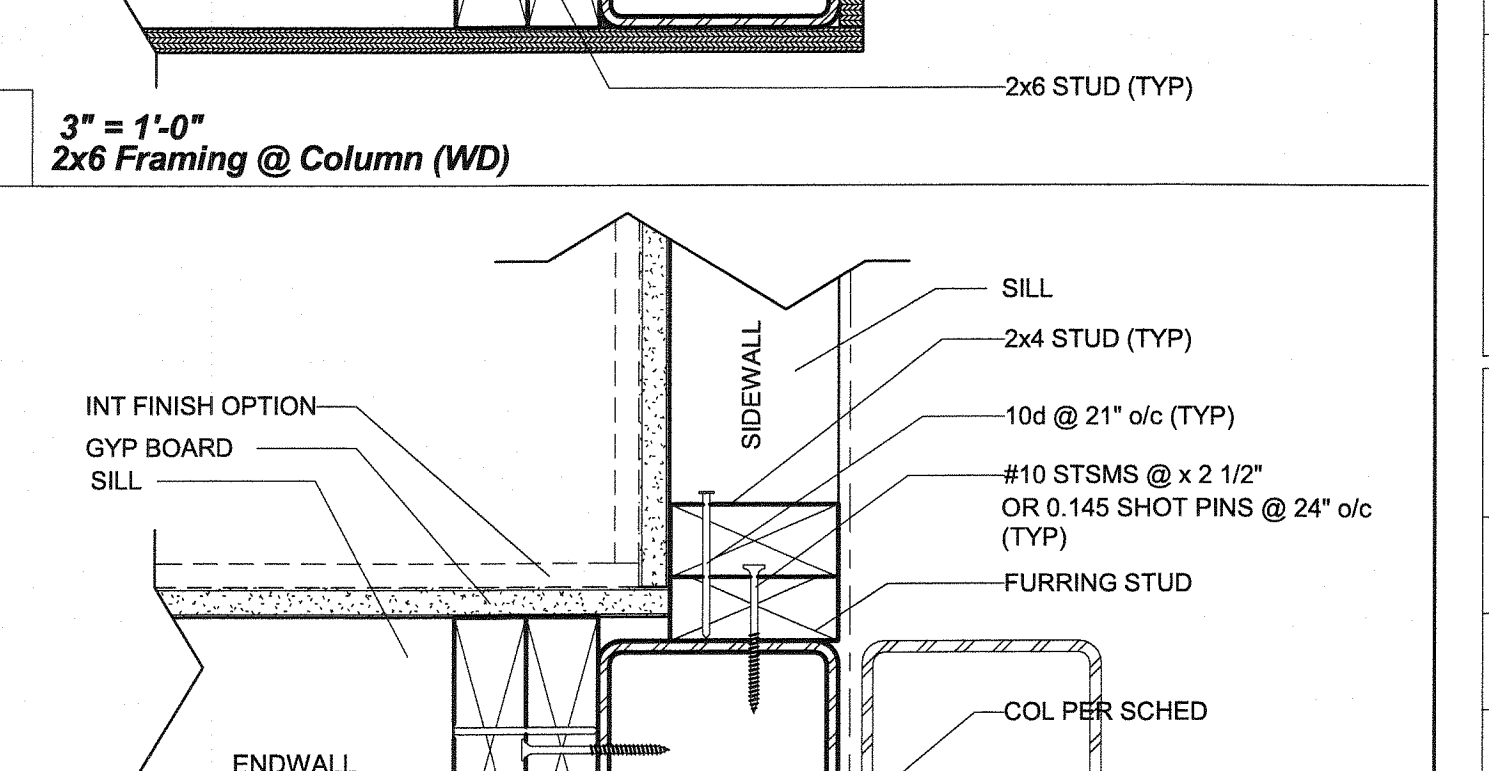
16 1 1/2" = 1'-0"
Wall Sill Pit Connection @ Exterior Rim (CONC)



12B 3" = 1'-0"
Shth'g @ Lap Jnt



6 1 1/2" = 1'-0"
Wall Sill Connection @ Exterior Rim (WD)



1 3" = 1'-0"
Interior Sidewall Framing @ Column (WD)

R&S TAVARES ASSOCIATES
DESIGN & CONSULTING PROJECT
11777 BERNARDS PLAZA COURT, SUITE 105
SAN DIEGO, CA 92126
WWW.R&STAVARES.COM

PROFESSIONAL STAMP
RECORDED PROFESSIONAL SEAL
MANNING D. FRIEDMAN
REGISTERED ARCHITECT
STATE OF CALIFORNIA
12/19/2017

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CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
FILE NUMBER: PC-128
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116504 INCR: 0
AC_RM_FLS_EA_SSR_KER
DATE 07/19/2018

PROJECT TITLE
24' x 40' EXPANDABLE TO 120' x 40'
PRE-CHECK (PC) DOCUMENT
Code: [2016] CBC
A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 119164
ACS FLS SS
DATE MAR 1 2 2017

Revision Schedule

#	Description	Date

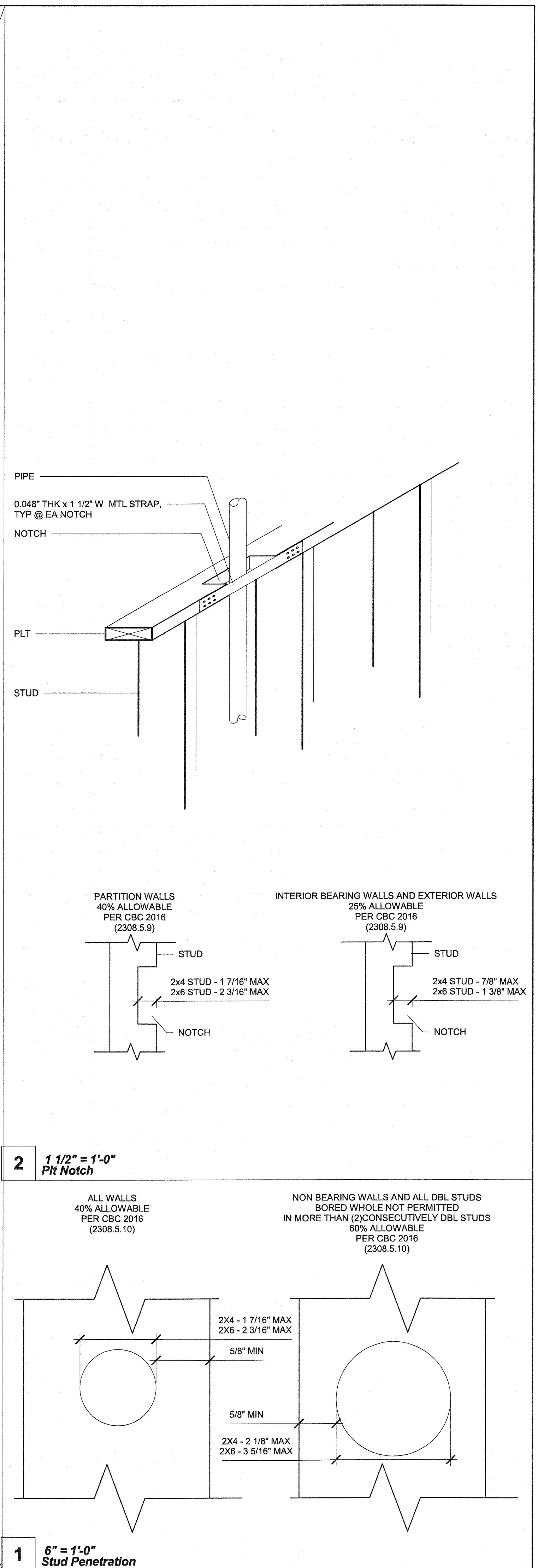
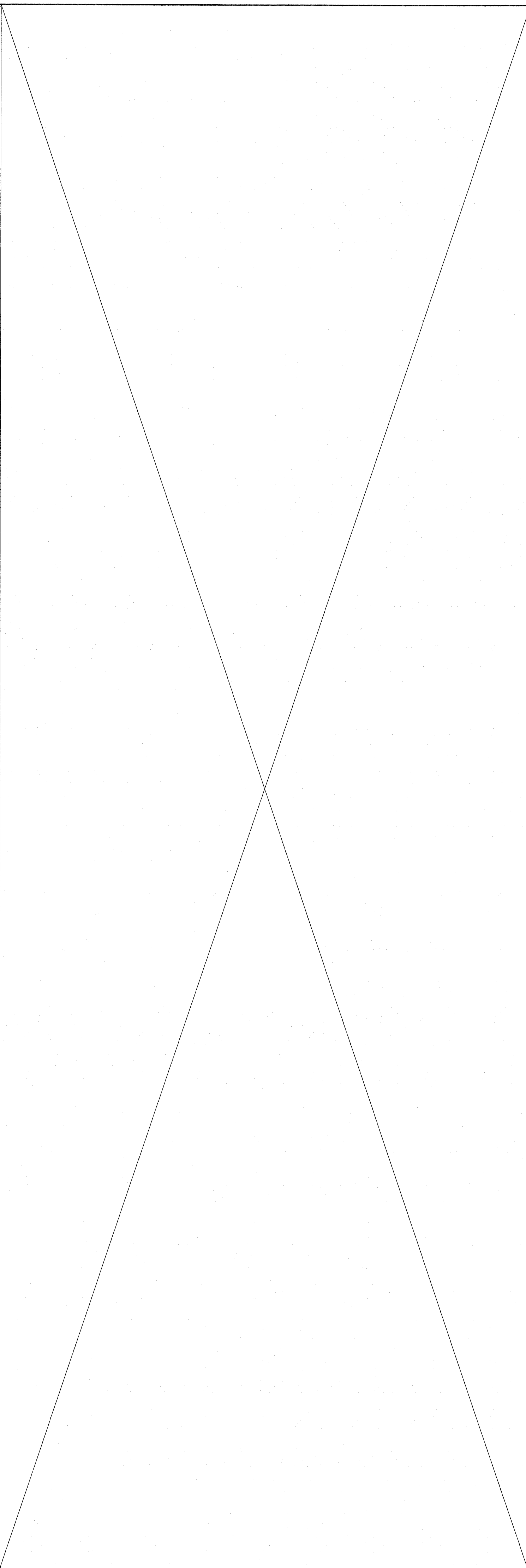
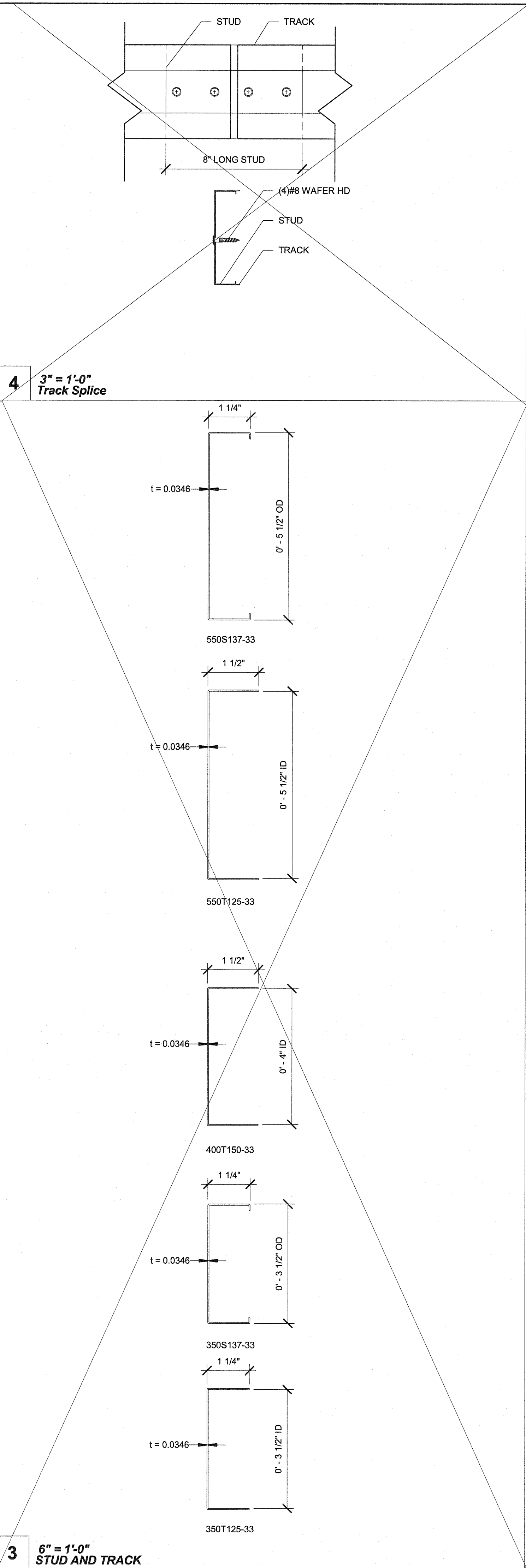
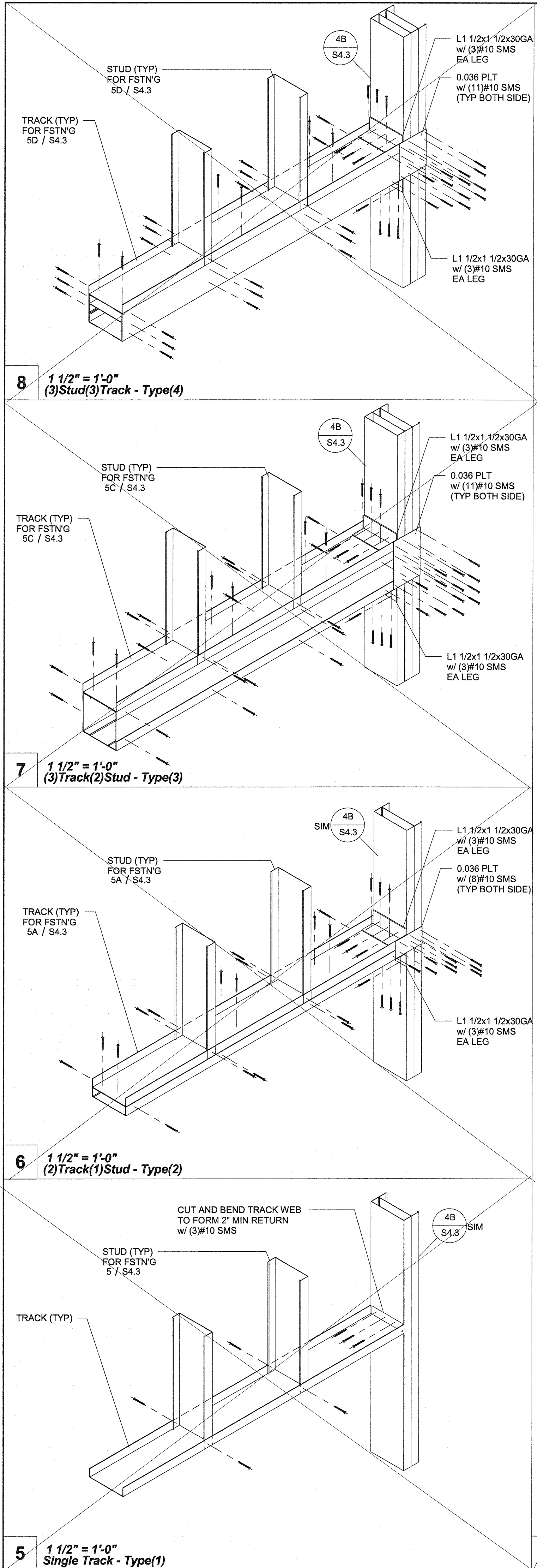
SHEET TITLE
WALL DETAILS (WOOD FRAMING)

PROJECT NUMBER
17016A
DRAWN BY
rMc/SC
CHECKED BY
JA/RT
DATE
2017/06/05

SHEET NO.
S4.2
SHEET OF SHEETS

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1/4/2018 2:45:41 PM

12/18/2017 6:02:34 PM C:\Users\Lee\Documents\17016 - Aries_2x4x10 PC - MainFile - Low Seismic_Lee.rvt



R&S TAVARES ASSOCIATES
DESIGN & CONSULTING PROJECT
11777 BERNARDS PLAZA COURT, SUITE 105
SAN DIEGO, CA 92126
WWW.RSTAVARES.COM

PROFESSIONAL STAMP

 12/19/2017

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CLIENT
CLASS LEASING LLC
 1221 Harley Knox Boulevard
 Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL
 FILE NUMBER: PC-128
 IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 04 - 116504 INCR: 0
 AC_RM_FL5_EA_SSR_KER
 DATE 07/19/2018

PROJECT TITLE
**24' x 40'
 EXPANDABLE TO
 120' x 40'**

PRE-CHECK (PC) DOCUMENT
 Code: | 2016 | CBC
 A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 04 119164
 ACS FL5 - SS
 DATE MAR 17 2019

Revision Schedule		
#	Description	Date

SHEET TITLE
TYP FRAMING

PROJECT NUMBER
 17016A

DRAWN BY
 rMc/SC

CHECKED BY
 JA/RT

DATE
 2017/06/05

SHEET NO.
S4.4

SHEET OF SHEETS

2x4 Interior Wall Opening Schedule										
COL HEIGHT	OPN'G SIZE	HDR			SILL			FULL HEIGHT KING STUD		
		Lumber	Number	Type	Lumber	Number	Type	Lumber	Number	Type
9FT	3070	HF	1	#2	-	-	-	HF	2	#2
		DF	1	#2	-	-	-	DF	2	#2
	4070	HF	1	#2	-	-	-	HF	2	#2
		DF	1	#2	-	-	-	DF	2	#2
	6040	HF	2	#2	DF	2	#2	HF	2	#2
		DF	2	#2	DF	2	#2	DF	2	#2
8040	HF	3	#2	HF	3	#2	HF	2	#2	
	DF	3	#2	DF	3	#2	DF	2	#2	
10FT	3070	HF	1	#2	-	-	-	HF	2	#2
		DF	1	#2	-	-	-	DF	2	#2
	4070	HF	1	#2	-	-	-	HF	2	#2
		DF	1	#2	-	-	-	DF	2	#2
	6040	HF	2	#2	HF	2	#2	HF	2	#2
		DF	2	#2	DF	2	#2	DF	2	#2
8040	HF	3	#2	HF	3	#2	HF	2	#2	
	DF	3	#2	DF	3	#2	DF	2	#2	

2x6 Exterior Wall Opening Schedule (SHTH'G FINISH)										
COL HEIGHT	OPN'G SIZE	HDR			SILL			FULL HEIGHT KING STUD		
		Lumber	Number	Type	Lumber	Number	Type	Lumber	Number	Type
9FT	3070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	4070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	6040	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
8040	HF	2	#2	HF	1	#2	HF	2	#2	
	DF	2	#2	DF	1	#2	DF	2	#2	
10FT	3070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	4070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	6040	HF	2	#2	HF	1	#2	HF	2	#2
		DF	2	#2	DF	1	#2	DF	2	#2
8040	HF	3	#2	HF	1	#2	HF	2	#2	
	DF	3	#2	DF	1	#2	DF	2	#2	

2x6 Exterior Wall Opening Schedule (PLASTER FINISH)										
COL HEIGHT	OPN'G SIZE	HDR			SILL			FULL HEIGHT KING STUD		
		Lumber	Number	Type	Lumber	Number	Type	Lumber	Number	Type
9FT	3070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	4070	HF	1	#2	HF	1	#2	HF	1	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	6040	HF	2	#2	HF	1	#2	HF	2	#2
		DF	2	#2	DF	1	#2	DF	1	#2
8040	HF	3	#2	HF	1	#2	HF	2	#2	
	DF	3	#2	DF	1	#2	DF	2	#2	
10FT	3070	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	4070	HF	1	#2	HF	1	#2	HF	2	#2
		DF	1	#2	DF	1	#2	DF	1	#2
	6040	HF	2	#2	HF	1	#2	HF	2	#2
		DF	2	#2	DF	1	#2	DF	2	#2
8040	HF	3	#2	HF	1	#2	HF	2	#2	
	DF	3	#2	DF	1	#2	DF	2	#2	

2x4 Interior Wall Framing Schedule								
COL HEIGHT	Typical Location				4ft From Building Corner			
	Lumber	Number	Type	Spacing	Lumber	Number	Type	Spacing
9	HF	1	#2	16" O.C.	-	-	-	-
	DF	1	#2	16" O.C.	-	-	-	-
10	HF	1	#2	16" O.C.	-	-	-	-
	DF	1	#2	16" O.C.	-	-	-	-

2x6 Exterior Wall Framing Schedule (SHTH'G FINISH)								
COL HEIGHT	Typical Location				4.8ft From Building Corner			
	Lumber	Number	Type	Spacing	Lumber	Number	Type	Spacing
9	HF	1	#2	16" O.C.	HF	1	#2	16" O.C.
	DF	1	#2	16" O.C.	DF	1	#2	16" O.C.
10	HF	1	#2	16" O.C.	HF	1	#2	16" O.C.
	DF	1	#2	16" O.C.	DF	1	#2	16" O.C.

2x6 Exterior Wall Framing Schedule (PLASTER FINISH)								
COL HEIGHT	Typical Location				4.8ft From Building Corner			
	Lumber	Number	Type	Spacing	Lumber	Number	Type	Spacing
9	HF	1	#2	16" O.C.	HF	1	#2	16" O.C.
	DF	1	#2	16" O.C.	DF	1	#2	16" O.C.
10	HF	1	#2	16" O.C.	HF	1	#2	16" O.C.
	DF	1	#2	16" O.C.	DF	1	#2	16" O.C.

NOTE: SEE DETAIL 1 ON SHEETS A2.1 - A2.8

350 Interior Wall Opening Schedule --Studs = 350S137-33 --Track = 350T125-33								
Col Ht	Opn'g Size	HDR		SILL		FULL HEIGHT KING STUD		
		Type	Reference	Type	Reference	Type	Num.	Size
9'-0"	3070	1	5	N/A	N/A	Stud	(2)	350S137-33
	4070	1	5	N/A	N/A	Stud	(2)	350S137-33
	6040	2	6	2	6	Stud	(3)	350S137-33
	8040	3	8	3	8	Stud	(3)	350S137-33
10'-0"	3070	1	5	N/A	N/A	Stud	(2)	350S137-33
	4070	2	5	N/A	N/A	Stud	(2)	350S137-33
	6040	2	6	2	6	Stud	(3)	350S137-33
	8040	4	8	4	8	Stud	(4)	350S137-33

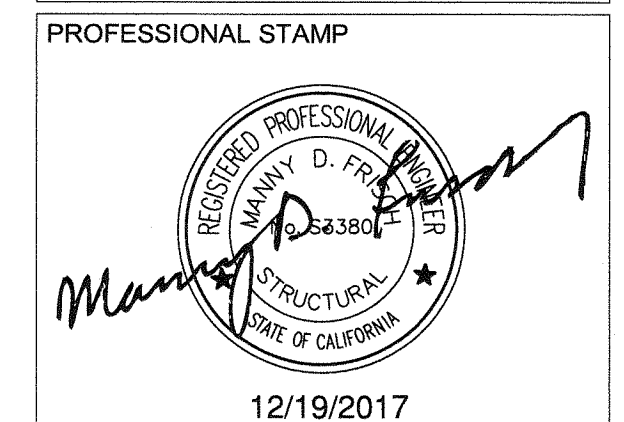
550 Exterior Wall Opening Schedule (SHTH'G FINISH) --Studs = 550S137-33 --Track = 550T125-33								
Col Ht	Opn'g Size	HDR		SILL		FULL HEIGHT KING STUD		
		Type	Reference	Type	Reference	Type	Num.	Size
9'-0"	3070	1	5	N/A	N/A	Stud	(2)	550S137-33
	4070	1	5	N/A	N/A	Stud	(2)	550S137-33
	6040	2	6	2	6	Stud	(3)	550S137-33
	8040	3	6	3	6	Stud	(3)	550S137-33
10'-0"	3070	1	5	N/A	N/A	Stud	(2)	550S137-33
	4070	2	5	N/A	N/A	Stud	(2)	550S137-33
	6040	2	6	2	6	Stud	(3)	550S137-33
	8040	4	6	4	6	Stud	(4)	550S137-33

550 Exterior Wall Opening Schedule (PLASTER FINISH) --Stud = 550S137-33 --Track = 550T125-33								
Col Ht	Opn'g Size	HDR		SILL		FULL HEIGHT KING STUD		
		Type	Reference	Type	Reference	Type	Num.	Size
9'-0"	3070	1	5	N/A	N/A	Stud	(2)	550S137-33
	4070	1	5	N/A	N/A	Stud	(2)	550S137-33
	6040	2	6	2	6	Stud	(3)	550S137-33
	8040	3	6	3	6	Stud	(3)	550S137-33
10'-0"	3070	1	5	N/A	N/A	Stud	(2)	550S137-33
	4070	2	5	N/A	N/A	Stud	(2)	550S137-33
	6040	2	6	2	6	Stud	(3)	550S137-33
	8040	4	6	4	6	Stud	(4)	550S137-33

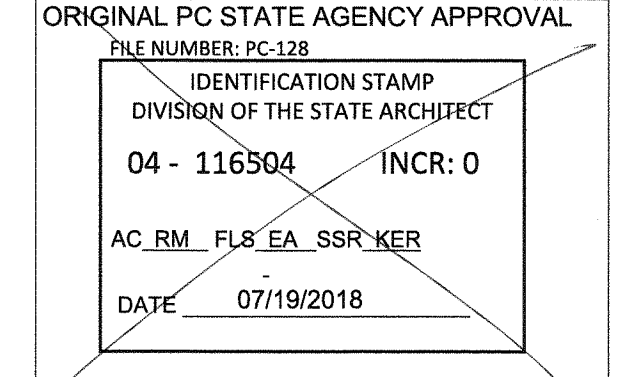
350 Interior Wall Framing Schedule								
Column Height	Typ Wall Framing				4' From Corner Stud			
	Size	Number	Type	Spacing	Lumber	Number	Type	Spacing
9'-0"	350S137-33	(1)	Stud	16" o/c	-	-	-	-
10'-0"	350S137-33	(1)	Stud	16" o/c	-	-	-	-

550 Exterior Wall Framing Schedule (SHTH'G FINISH)								
Column Height	Typ Wall Framing				4' From Corner Stud			
	Size	Number	Type	Spacing	Lumber	Number	Type	Spacing
9'-0"	550S137-33	(1)	Stud	16" o/c	550S137-33	(1)	Stud	16" o/c
10'-0"	550S137-33	(1)	Stud	16" o/c	550S137-33	(1)	Stud	16" o/c

550 Exterior Wall Framing Schedule (PLASTER FINISH)								
Column Height	Typ Wall Framing				4' From Corner Stud			
	Size	Number	Type	Spacing	Lumber	Number	Type	Spacing
9'-0"	550S137-33	(1)	Stud	16" o/c	550S137-33	(1)	Stud	16" o/c
10'-0"	550S137-33	(1)	Stud	16" o/c	550S137-33	(1)	Stud	16" o/c

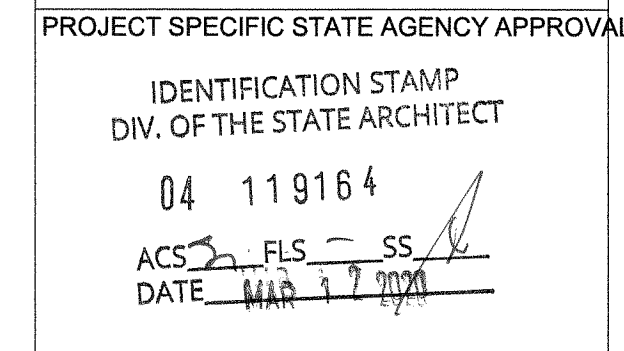


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PROJECT TITLE
24' x 40' EXPANDABLE TO 120' x 40'

PRE-CHECK (PC) DOCUMENT
Code: | 2016 | CBC
A separate project application for construction is required.



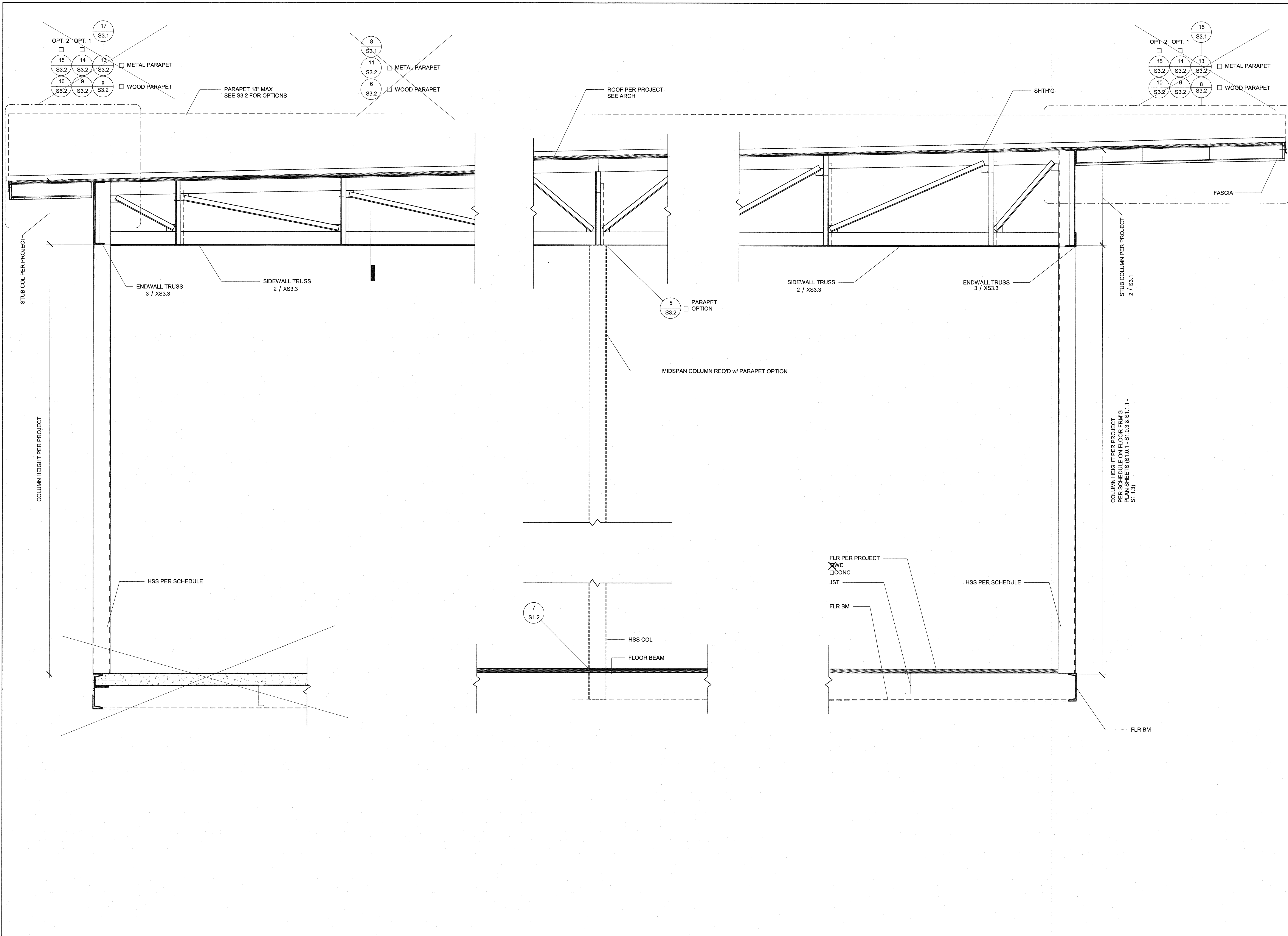
Revision Schedule		
#	Description	Date

SHEET TITLE
FRAMING SCHEDULES


PROJECT NUMBER: 17016A
DRAWN BY: rMc/SC
CHECKED BY: JA/RT
DATE: 2017/06/05
SHEET NO.: **S4.5**
SHEET OF SHEETS

C:\Users\luc\Documents\17016 - Aries_24x40 PC - MainFile - Low Seismic_Leve.rvt 12/18/2017 5:02:38 PM

C:\Users\lucel\Documents\17016 - Aries_24x40 PC - MainFile - Low Seismic_Lucel.rvt 1/5/2018 11:34:51 AM




1 1" = 1'-0" Structural Section (MONO)



R&S TAVARES ASSOCIATES
DESIGN & CONSULTING & PROJECT
11777 BERNARDO PLAZA COURT, SUITE 108
SAN DIEGO, CA 92128
WWW.R&STAVARES.COM


PROFESSIONAL STAMP



REGISTERED PROFESSIONAL ENGINEER
M. D. FREEMAN
No. 52380
STRUCTURAL
STATE OF CALIFORNIA
12/19/2017

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CLIENT



CLASS LEASING LLC
1221 Harley Knox Boulevard
Perris, CA 92571

ORIGINAL PC STATE AGENCY APPROVAL

FILE NUMBER: PC-128

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116504 INCR: 0

AC_RM_FLS_EA_SSR_KER
DATE 07/19/2018

PROJECT TITLE

**24' x 40'
EXPANDABLE TO
120' x 40'**

PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 119164

ACS FLS - SS
DATE MAR 17 2018

Revision Schedule		
#	Description	Date

SHEET TITLE

**LONG. SECTION -
(MONO)**

PROJECT NUMBER

17016A

DRAWN BY

rMc/SC

CHECKED BY

JA/RT

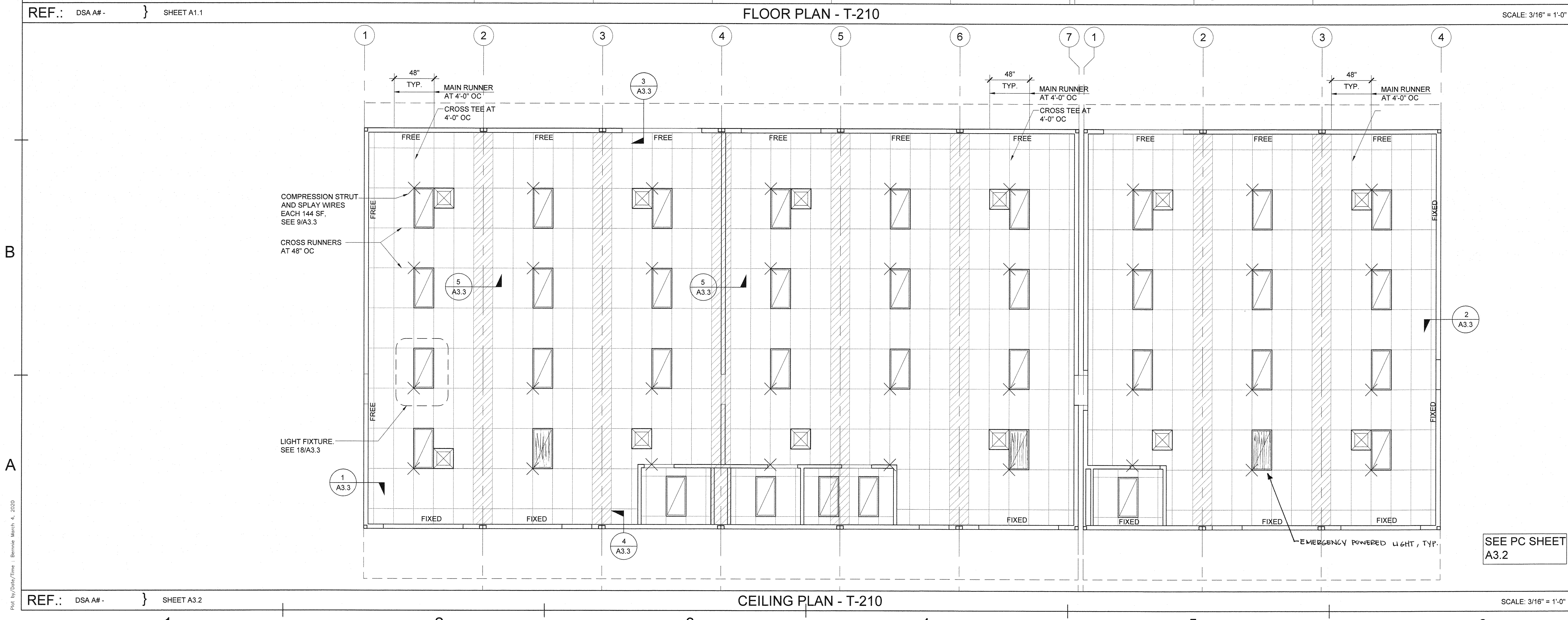
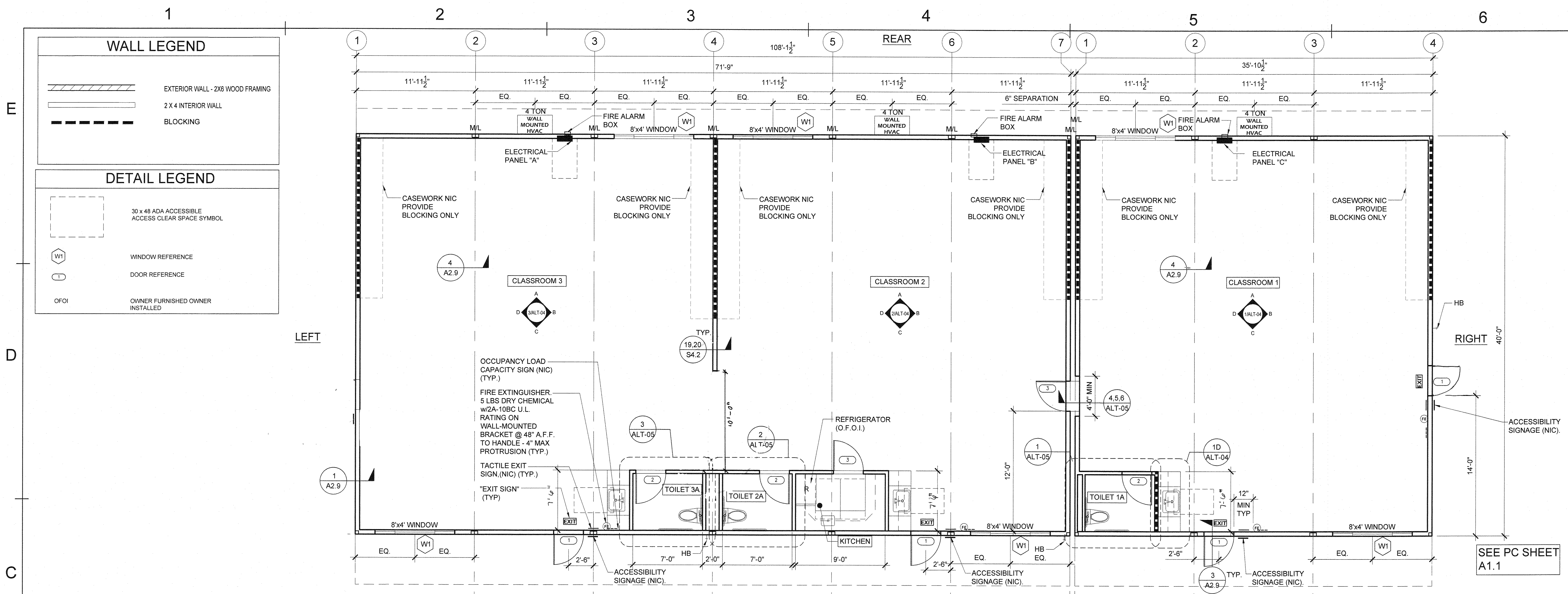
DATE

2017/06/05

SHEET NO.

S5.0

SHEET OF SHEETS




IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 119164
ACS FL SS
DATE MAR 12 2020

REVISIONS	BY

CLASS LEASING LLC

1320 W. Oleander Ave. Perris, CA 92571-7408
VOICE [951]943-1908 FAX [951]943-5768

ENGINEER

 03/09/2020

AOR

SHEET TITLE:

DATE: 03-04-2020

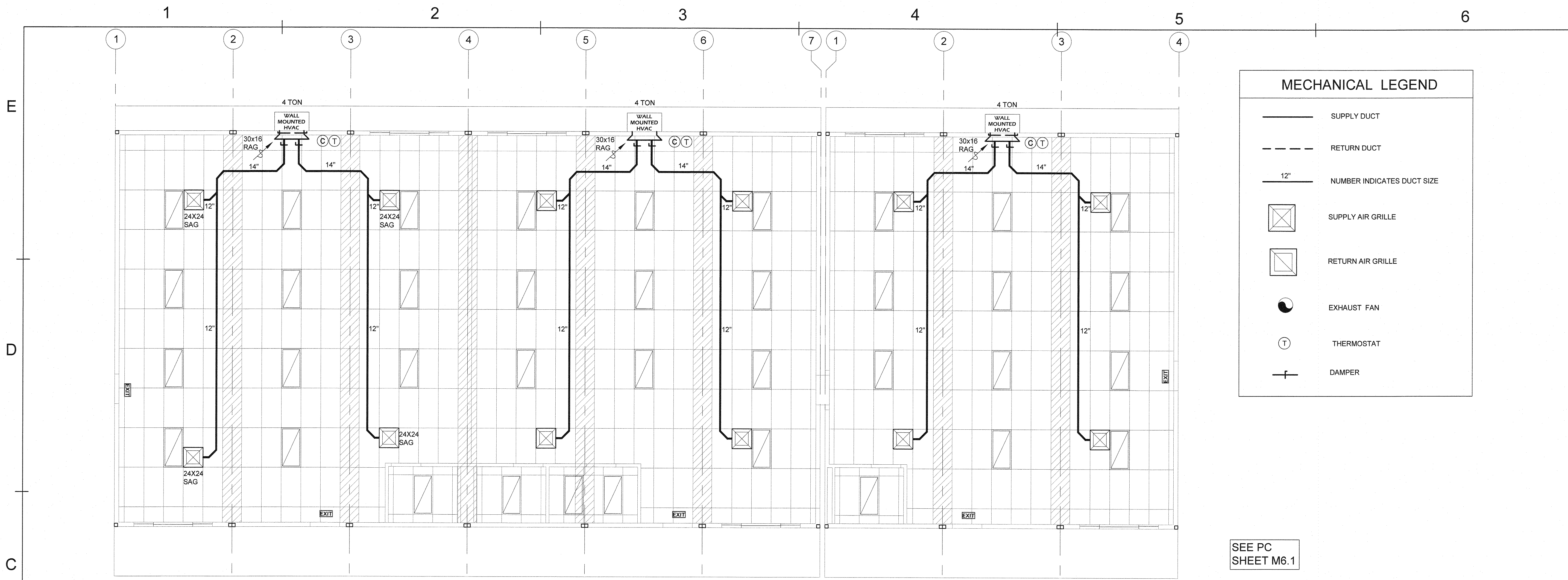
DRAWN BY: NATE / BERNNIE P.

SCALE: AS SHOWN

JOB:

SHEET NO: **ALT-01**

Plot by: D:\nate\Time - Bernnie March 4, 2020

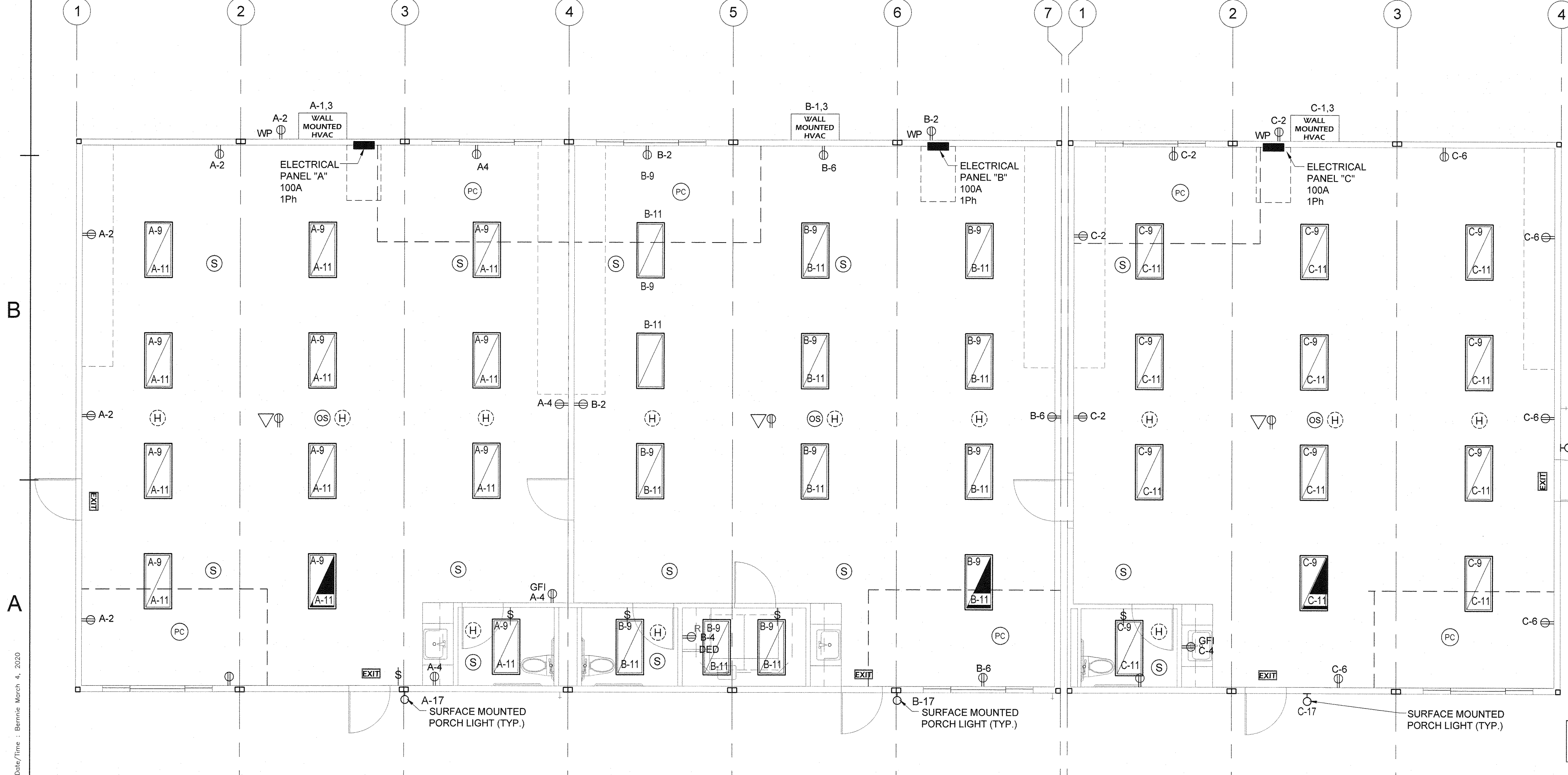


MECHANICAL LEGEND

- SUPPLY DUCT
- RETURN DUCT
- 12" NUMBER INDICATES DUCT SIZE
- SUPPLY AIR GRILLE
- RETURN AIR GRILLE
- EXHAUST FAN
- THERMOSTAT
- DAMPER

SEE PC SHEET M6.1

REF.: DSA A#- } SHEET M6.1 **MECHANICAL PLAN -T-210** SCALE: 3/16" = 1'-0" 1



ELECTRICAL LEGEND

- 24' CEILING LIGHT WITH (3) T-8 LAMPS, LAY-IN FLUORESCENT LIGHT FIXTURE WITH DIMMABLE BALLAST ORACLE LIGHTING MODEL.
- 1'4" CEILING LIGHT, LAY-IN FLUORESCENT LIGHT FIXTURE WITH ELECTRONIC BALLAST
- ELECTRICAL PANEL AT 48" AFF TO CENTERLINE OF PANEL WITH 1/2" DIA POWER STUDS OUT
- MOTION LIGHT SWITCH, MOUNT AT 48" AFF TO CENTERLINE OF DEVICE
- 4SD J-BOX FOR FUTURE DATA-1" CO STUB INTO ATTIC WITH PULLSTRING
- 4SD J-BOX FOR FIRE ALARM PULLSTATION (DEVICE BY OTHERS), MOUNT AT 48" AFF TO PULL HANDLE OF DEVICE WITH 3/4" CONDUIT TO FIRE ALARM STROBE, WITH PULLSTRING
- 4SD J-BOX FOR FIRE ALARM STROBEHORN (DEVICE BY OTHERS), MOUNT AT 48" AFF TO EXTERIOR DOOR- (OPTIONAL)
- RECESSED 4SD J-BOX W/ COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS, MOUNT AT 18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULLSTRING
- EXTERIOR LIGHT FIXTURE, MOUNT AT 48" AFF A.F.F. UON
- 4SD J-BOX FOR EXTERIOR FIRE ALARM HORN (DEVICE BY OTHERS), MOUNT AT 48" AFF TO CENTERLINE OF DEVICE WITH 3/4" CONDUIT TO FIRE ALARM BACKBOX WITH PULLSTRING
- SMOKE DETECTOR 4-SD J-BOX ONLY - IN CEILING
- HEAT DETECTOR 4-SD J-BOX ONLY
- CEILING MOUNTED SPEAKER
- CEILING MOUNTED DATA OUTLET
- WALL MOUNTED TELEPHONE OUTLET @ 18" A.F.F. UON
- WALL MOUNTED DATA OUTLET @ 18" A.F.F. UON
- CEILING MOUNTED PHOTOCELL, WATTS/STOPPER #LM-5-800 OR EQUAL
- CEILING MOUNTED OCCUPANCY SENSOR WATTS/STOPPER #LMPC-100 OR EQUAL
- 100 CFM CEILING MOUNTED EXHAUST FAN INTERLOCKED WITH LIGHT SWITCH, TYPE EF-D
- CLOCK OUTLET 48" AFF TO CENTERLINE OF DEVICE
- EXTERIOR LED LIGHT FIXTURE, 30W MAX W/ 90 MIN BATTERY BACKUP MOUNTED AT 48" AFF

SEE PC SHEET E1.2

REF.: DSA A#- } SHEET E1.2 & E1.3 **ELECTRICAL PLAN -T-210** SCALE: 3/16" = 1'-0" 2

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ACS FL 5 SS
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ENGINEER
Manoj D. Desai
REGISTERED PROFESSIONAL ENGINEER
No. 53580
STATE OF CALIFORNIA
03/09/2020

AOR

SHEET TITLE:

DATE: 03-04-2020

DRAWN BY: NATE / BERNNIE P.

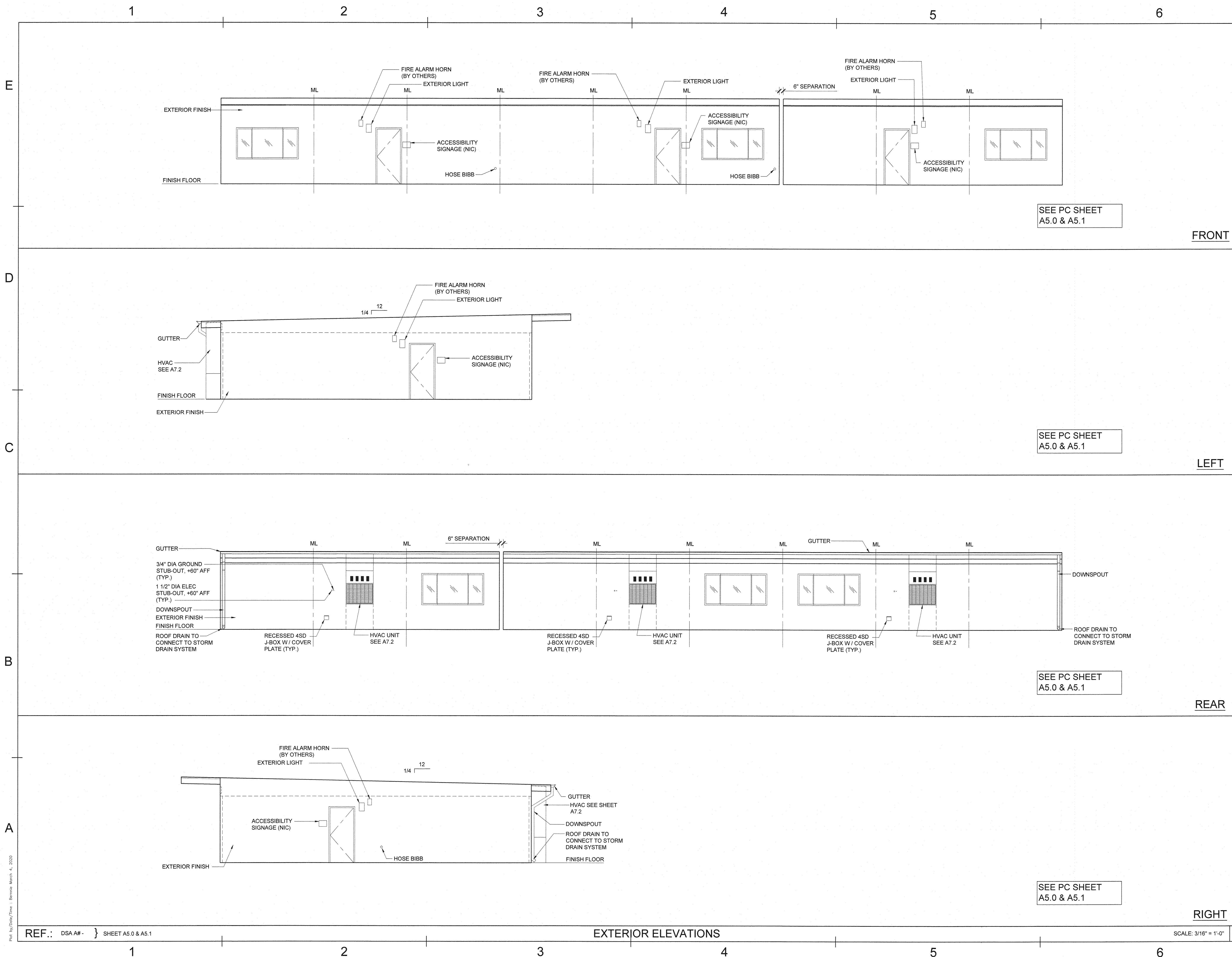
SCALE: AS SHOWN

JOB:

SHEET NO:

ALT-02


Plot By: Date/Time: E Bernnie March 4, 2020



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ENGINEER

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SHEET TITLE:

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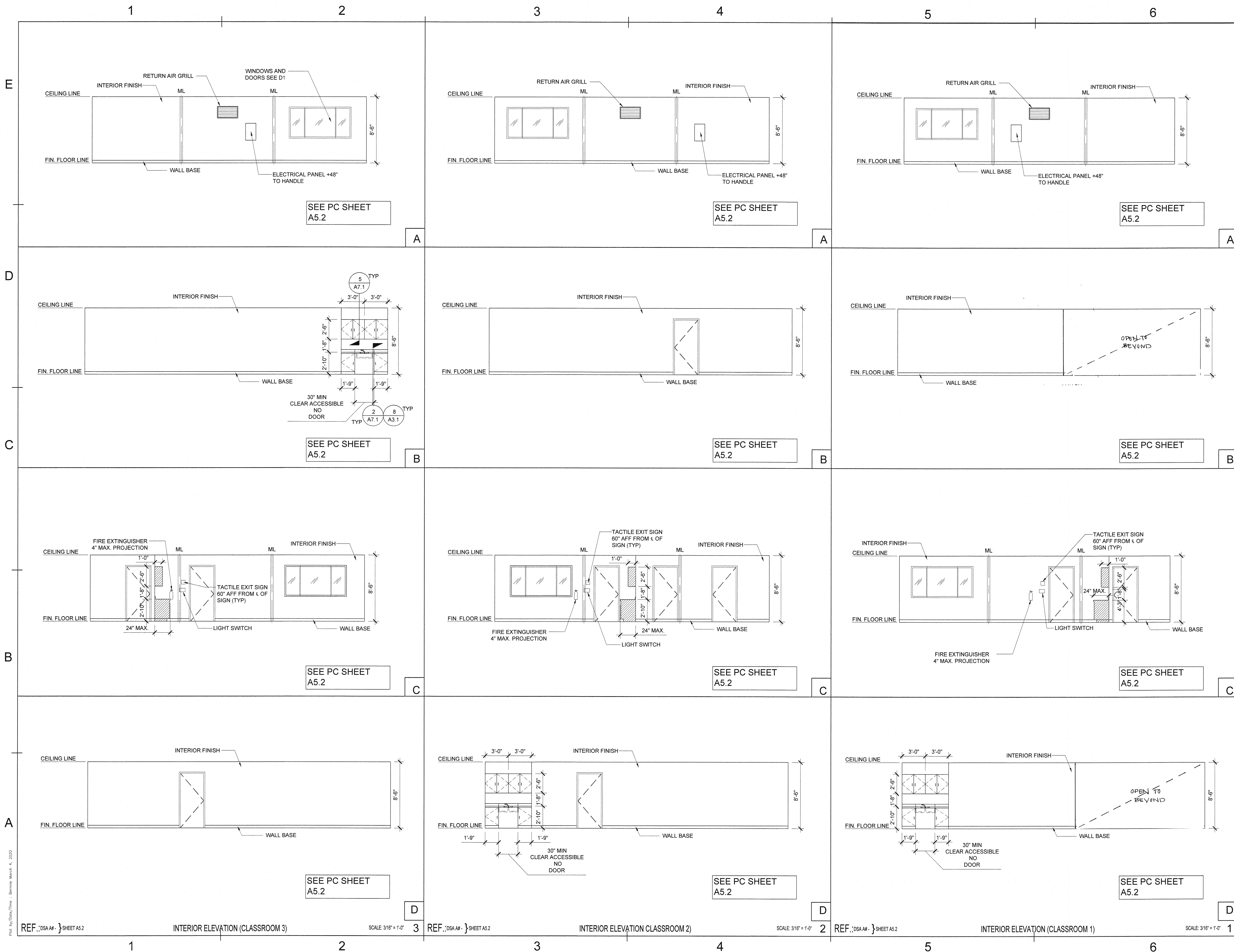
ALT-03

REF.: DSA A# } SHEET A5.0 & A5.1

EXTERIOR ELEVATIONS

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

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 ACS 2, FLS 16, SS
 DATE MAR 12 2022

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ENGINEER

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 DATE: 03-04-2020
 DRAWN BY: NATE / BERNNIE P.
 SCALE: AS SHOWN
 JOB:
 SHEET NO:

ALT-04

Plot By: Date/Time - Bernnie March 4, 2020

1

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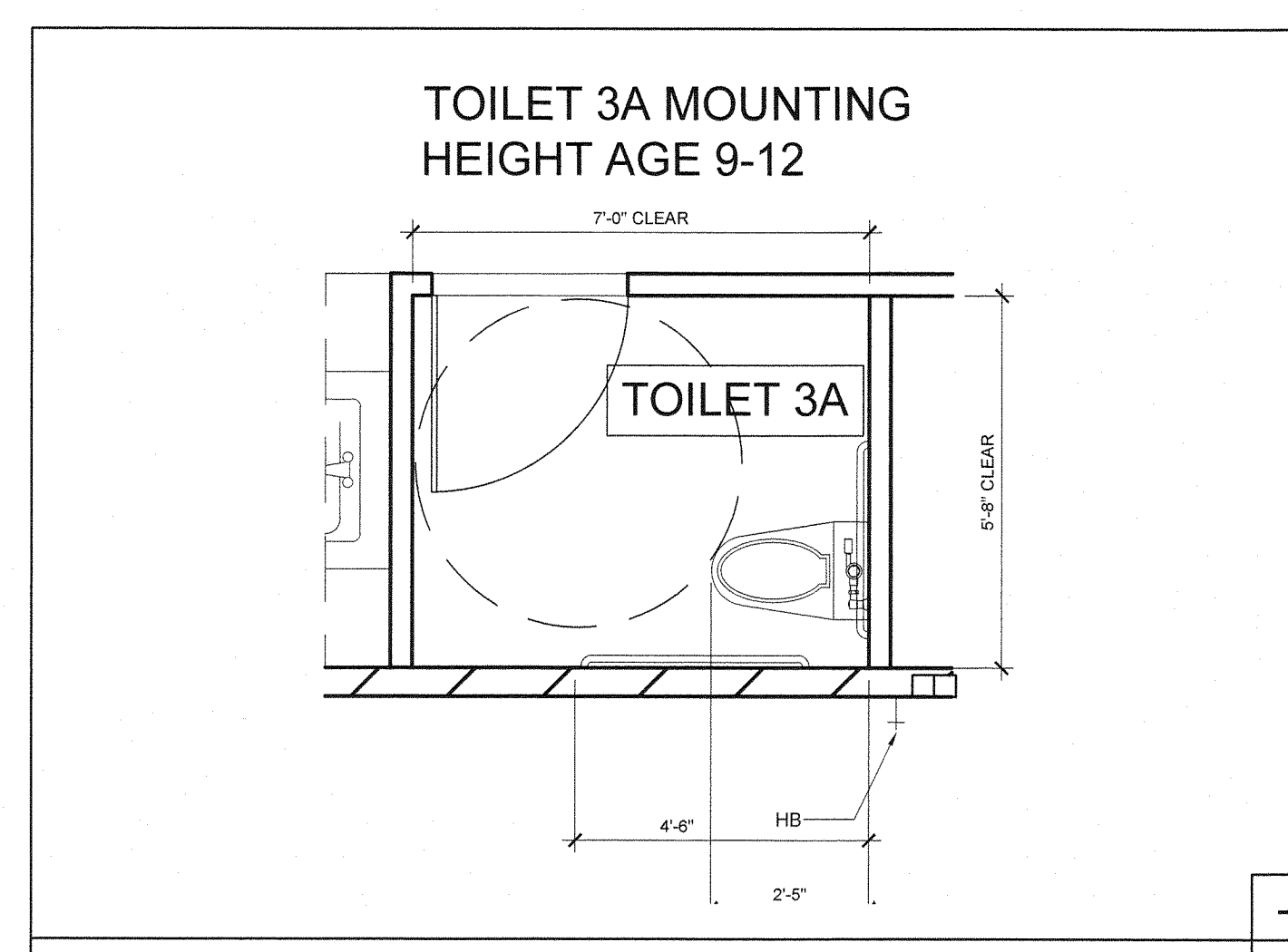
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 DATE MAR 1 2 2020

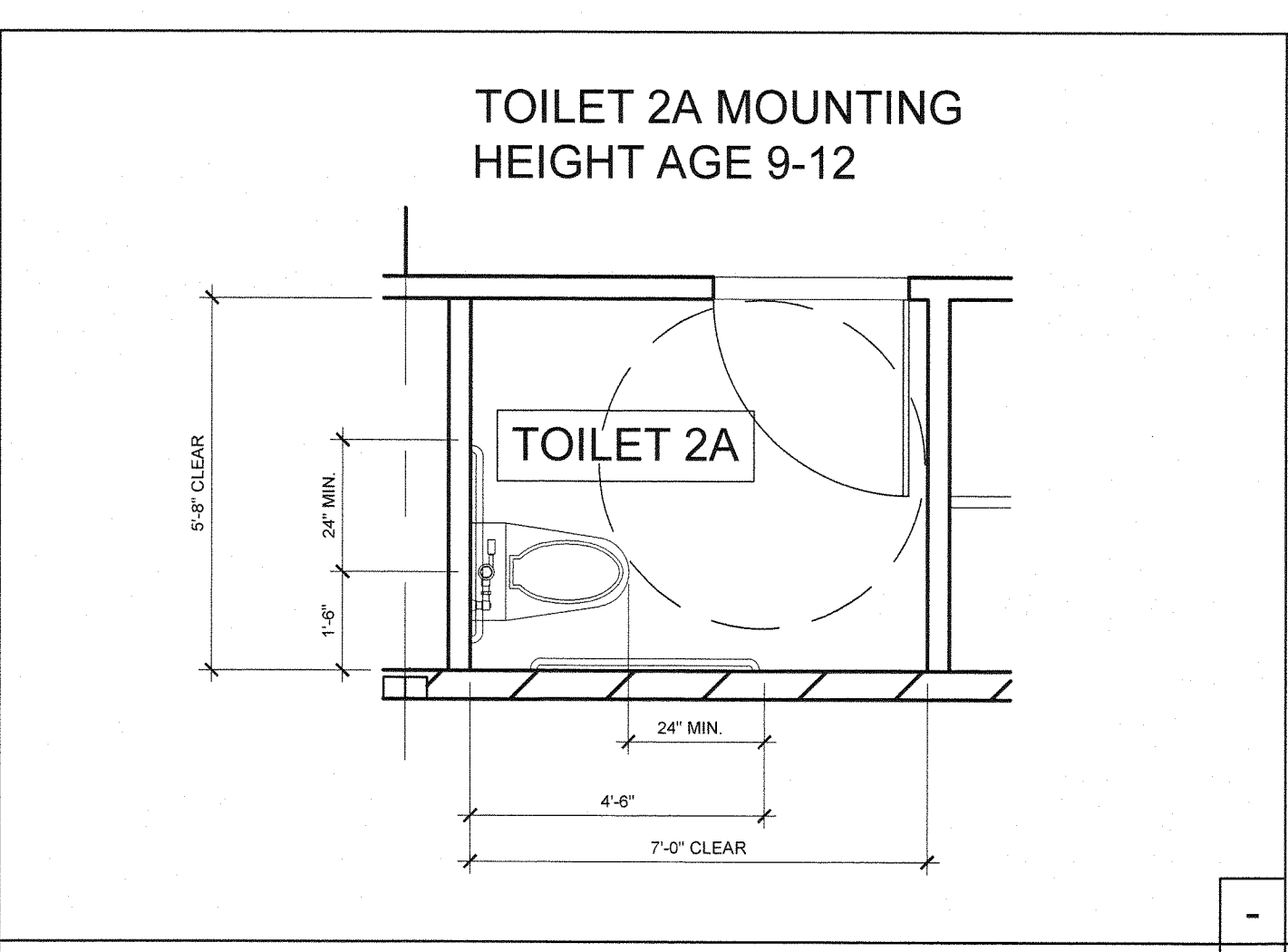
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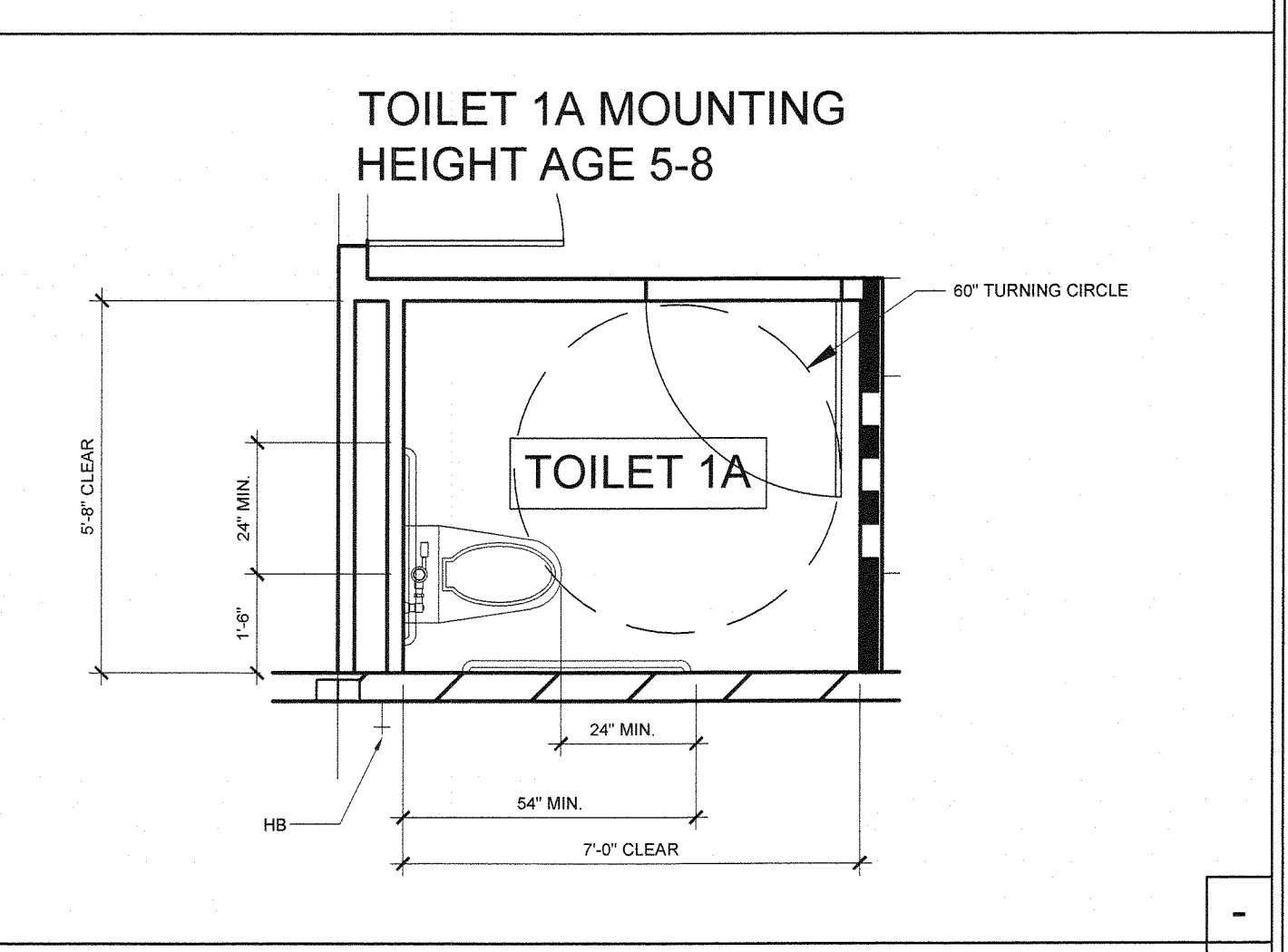
ENGINEER

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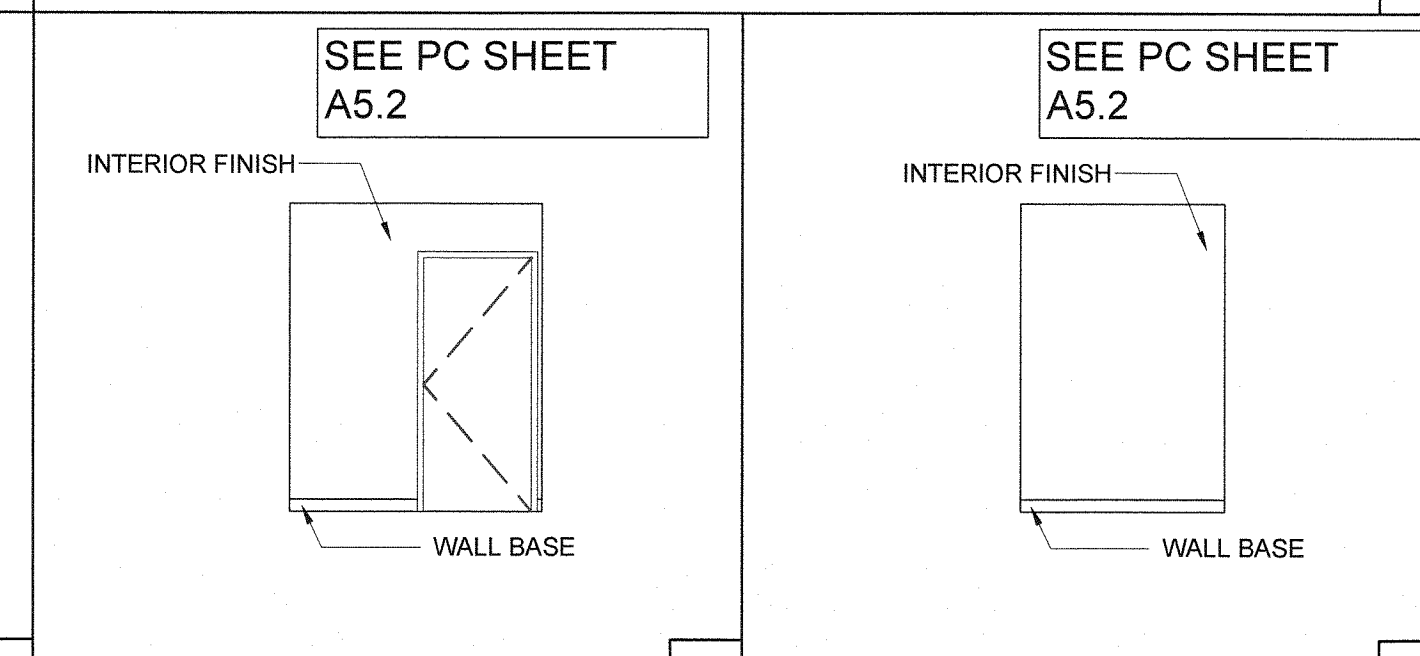
TOILET 3A - PLAN SCALE: 3/8" = 1'-0" 3



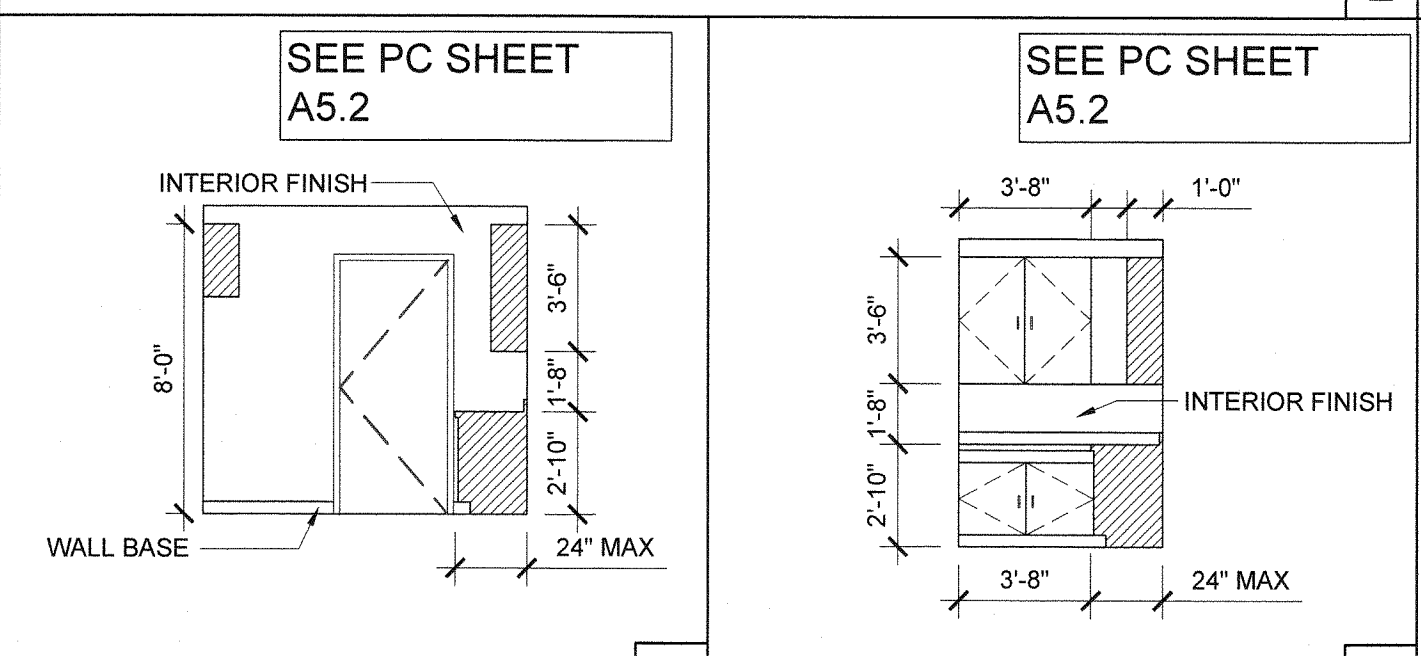
TOILET 2A - PLAN SCALE: 3/8" = 1'-0" 2



TOILET 1A - PLAN SCALE: 3/8" = 1'-0" 1



INTERIOR ELEVATION (TOILET 3A) SCALE: 3/16" = 1'-0" 4
 INTERIOR ELEVATION (TOILET 2A) SCALE: 3/16" = 1'-0" 3



INTERIOR ELEVATION (KITCHEN) SCALE: 3/16" = 1'-0" 2
 INTERIOR ELEVATION (TOILET 1A) SCALE: 3/16" = 1'-0" 1

REF., DSA # - SHEET A5.2

REF., DSA # - SHEET A5.2

REF., DSA # - SHEET A5.2

AOR

SHEET TITLE:

DATE: 03-04-2020

DRAWN BY: NATE / BERNNIE P.

SCALE: AS SHOWN

JOB:

SHEET NO: **ALT-05**

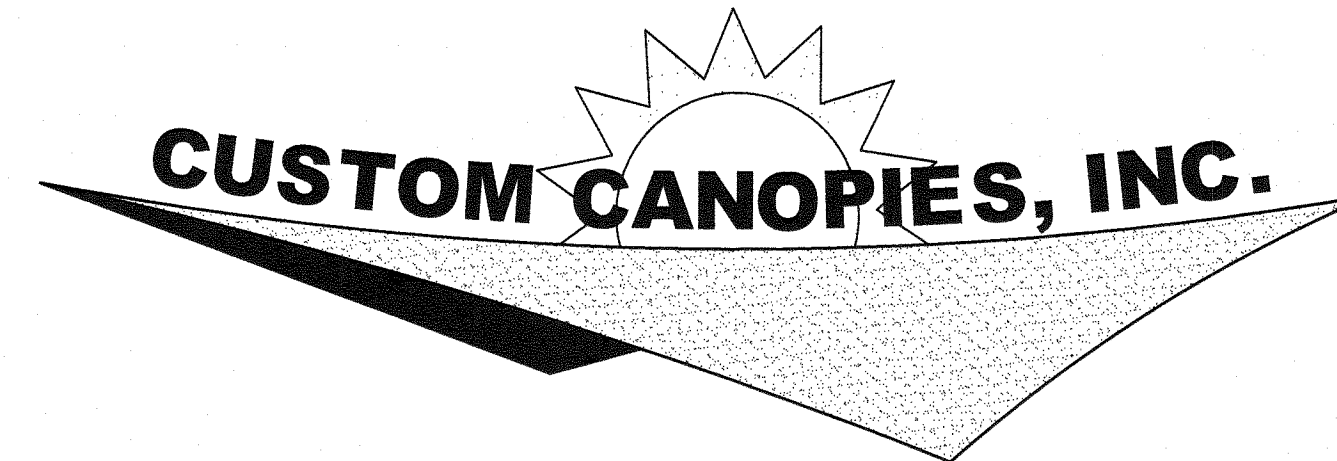
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FABRIC CANOPIES DSA PRE-CHECK

Most anywhere in

California

CANOPY DESIGN AND
INSTALLATION PROVIDED BY



19 Valeroso
Rancho Santa Margarita, CA 92688
www.customshadecanopies.com

SCHEDULE OF DRAWINGS

#	DRAWING TITLE
1	COVER SHEET & NOTES
2	CANOPY PLANS & TABLES
3	TYPICAL CANOPY BRACING DETAILS
4	TYPICAL CANOPY DETAILS & T&I GUIDELINE

DESIGN PARAMETER CHECKLIST FOR OVER-THE-COUNTER REVIEW

THE FOLLOWING CHECKLIST IS INTENDED TO ASSIST THE PLAN REVIEWER DETERMINE IF THIS PRE-CHECKED SUBMITTAL IS APPLICABLE TO THE SITE-SPECIFIC CONDITIONS IN WHICH IT IS INTENDING TO BE USED. IF THIS CHECKLIST CANNOT BE COMPLETED, ADDITIONAL ENGINEERING PROVING SITE-SPECIFIC COMPLIANCE IS REQUIRED.

THIS PRE-CHECKED SUBMITTAL IS APPLICABLE UNDER THE FOLLOWING CIRCUMSTANCES:

- THE RISK CATEGORY IS "II" OR LESS
- THE WIND EXPOSURE CATEGORY IS "C" OR LESS
- THE PROJECT SITE BASIC ULTIMATE WIND SPEED IS \leq 110 mph
- THE PROJECT SITE SEISMIC CATEGORY IS "D" OR LESS
- THE PROJECT SITE SEISMIC DESIGN CATEGORY IS "E" OR LESS
- THE PROJECT SITE IS NOT IN A FLOOD ZONE
- THE PROJECT SITE IS NOT IN AN AREA REQUIRING SNOW LOADING
- THE PROJECT SITE IS NOT IN AN AREA CLASSIFIED AS A WILD LAND URBAN INTERFACE FIRE AREA (A FIRE HAZARD SEVERITY ZONE)
- NONE OF THE MAXIMUM DESIGN CRITERIA ARE EXCEEDED
- ALLOWABLE SOIL COMPRESSIVE STRENGTH IS 1,500 psi OR GREATER
- IF THE CANOPY SIZE IS $<$ 1,600 ft² IN AREA (NO GEOTECHNICAL REPORT REQUIRED)
 - OR-
 - IF THE CANOPY SIZE IS $>$ 1,600 ft² AND $<$ 4,000 ft² AND THERE IS A GEOTECHNICAL REPORT PROVING THAT NO POTENTIAL FOR LIQUEFACTION EXISTS. A SITE-SPECIFIC GEOTECHNICAL REPORT IS REQUIRED FOR CANOPY SIZES GREATER THAN 4,000 ft²
- THE CANOPY SIZE PROVIDES THE MINIMUM REQUIRED AREA FOR THE SELECTED ASSEMBLY USE AND DESIRED OCCUPANCY LOAD (SEE ASSEMBLY USE SELECTION CHECKLIST)

ASSEMBLY USE SELECTION CHECKLIST

THE FOLLOWING CHECKLIST IS TO BE USED BY THE PARTY SUBMITTING THIS PRE-CHECK TO INDICATE THE INTENDED ASSEMBLY USE FOR THIS FABRIC CANOPY.

- ASSEMBLY USE A-2
- ASSEMBLY USE A-3

INTENDED OCCUPANCY LOAD _____ PERSONS

NOTE: THE LOCATION OF THESE CANOPIES ADJACENT TO OTHER BUILDINGS IS SUBJECT TO SITE SPECIFIC APPROVAL.

CANOPY SIZE SELECTION CHECKLIST

THE FOLLOWING CHECKLIST IS TO BE USED BY THE PARTY SUBMITTING THIS PRE-CHECK TO INDICATE THE INTENDED SIZES USED FOR THIS FABRIC CANOPY SUBMITTAL.

- | | | |
|------------------------------------|------------------------------------|--|
| <input type="checkbox"/> 20' x 10' | <input type="checkbox"/> 30' x 20' | <input type="checkbox"/> 30' x 30' |
| <input type="checkbox"/> 20' x 15' | <input type="checkbox"/> 30' x 25' | <input type="checkbox"/> 40' x 30' |
| <input type="checkbox"/> 20' x 20' | <input type="checkbox"/> 36' x 18' | <input type="checkbox"/> _____' x _____' (FOR INTERMEDIATE SIZE) |
| <input type="checkbox"/> 25' x 25' | <input type="checkbox"/> 40' x 20' | <input type="checkbox"/> _____' x _____' (FOR INTERMEDIATE SIZE) |

NOTES:

1. A SITE-SPECIFIC GEOTECHNICAL REPORT IS REQUIRED FOR CANOPY SIZES OVER 4,000 SQ. FT.
2. PLAN DIMENSIONS ARE REPEATABLE IN ANY ONE DIRECTION TO A TOTAL AREA OF 6,000 SQ. FT.
3. HEIGHT OPTIONS ARE FROM 8FT TO 12FT.
4. INTERMEDIATE SIZES MAY USE THE MEMBER SIZES OF THE NEXT LARGEST CANOPY WITH AN IDENTICAL WIDTH TO LENGTH RATIO.

SITE-SPECIFIC CODE ANALYSIS

THIS SECTION IS TO BE FILLED OUT BY THE ARCHITECT OF RECORD FOR SITE-SPECIFIC APPROVAL

OCCUPANCY GROUP: _____ (SEE ASSEMBLY USE CHECKLIST)
TYPE OF CONSTRUCTION: TYPE VB
FIRE SPRINKLER: NO

SHADE STRUCTURE AREA = _____ ft²
ALLOWABLE AREA = 6,000 ft²

MAXIMUM DESIGN CRITERIA

1. VERTICAL LOADS
 - 1.A. CANOPY LIVE LOAD = 5 psf (NON-REDUCIBLE)
 - 1.B. CANVAS DEAD LOAD = 0.069 psf
 - 1.C. SNOW LOAD = 0 psf
 - 1.D. ICE LOAD = 0 psf
2. ALLOWABLE SOIL PRESSURE
 - 2.A. DEAD + LIVE: 1,500 psf
 - 2.B. LATERAL: 100 psf/ft (CLASS 5) x 2ft (isolated footing) = 200 psf (PER CBC 1806A.3.4)
3. LATERAL LOADS
 - 3.A. WIND (ASCE/SEI 7-10 DIRECTIONAL PROCEDURE)
 - ULTIMATE DESIGN WIND SPEED: $V_{ULT} = 110$ mph
 - NOMINAL DESIGN WIND SPEED: $V_{ASD} = 85$ mph
 - EXPOSURE CATEGORY = "C"
 - RISK CATEGORY = II
 - CLASSIFICATION: OPEN STRUCTURE, $K_{zt} = 1.0$
 - VELOCITY PRESSURE: $q_s = 13.4$ psf (ASD)
 - DESIGN PRESSURES - SEE STRUCTURAL CALCULATIONS
 - 3.B. EARTHQUAKE (EQUIVALENT LATERAL FORCE PROCEDURE)
 - MAPPED SPECTRAL RESPONSE ACCELERATIONS, $S_s = 2.500$, $S_1 = 0.750$
 - SITE CLASS = "D"
 - SPECTRAL RESPONSE COEFFICIENTS, $S_{DS} = 1.667$, $S_{D1} = 0.750$
 - RISK CATEGORY = II
 - SEISMIC DESIGN CATEGORY (CRC), $SDC = "E"$
 - SEISMIC DESIGN CATEGORY (CBC), $SDC = "E"$
 - ORDINARY STEEL CANTILEVERED COLUMN SYSTEM
 - REDUNDANCY FACTOR: $\rho = 1.0$
 - IMPORTANCE FACTOR: $I_s = 1.25$
 - OVERSTRENGTH FACTOR: $\Omega_e = 1.25$
 - RESPONSE MODIFICATION FACTOR, $R = 1.25$
 - SEISMIC RESPONSE COEFFICIENT, $C_s = 1.333$
 - SEISMIC BASE SHEAR: $V = 0.933W$
 - SEE STRUCTURAL CALCULATIONS FOR ANY ADDITIONAL DESIGN PARAMETERS

APPLICABLE CODES AND STANDARDS

- 2016 CALIFORNIA ADMINISTRATION CODE, TITLE 24, PART 1, CCR
- 2016 CALIFORNIA BUILDING CODE, TITLE 24, PART 2, CCR
- 2016 CALIFORNIA FIRE CODE, TITLE 24, PART 9, CCR

ABBREVIATIONS & SYMBOLS

A	AREA
DIM.	DIMENSION
EA.	EACH
EXT.	EXTERIOR
FT.	FOOT OR FEET
GA.	GAGE
INSP.	INSPECTIONS
INT.	INTERIOR
KSI	KIPS PER SQUARE INCH
I	MOMENT OF INERTIA
LB	POUND
MIN.	MINIMUM
NA	NOT APPLICABLE
NO.	NUMBER
OZ.	OUNCES
PL	PLATE
PSF	POUND PER SQUARE FOOT
SECTION	SECTION MODULOUS
SHT.	SHEET
SIM.	SIMILAR
SQ.	SQUARE
Std.	STANDARD
STRUC.	STRUCTURAL
SYM.	SYMMETRICAL
T	THICKNESS
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
xS	EXTRA STRONG
Ø	DIAMETER
#	NUMBER
<	LESS THAN
>	GREATER THAN

GENERAL NOTES

1. MATERIAL SPECIFICATIONS
 - 1.A. CONCRETE: $f_c = 4,500$ psi @ 28 DAYS (SPECIAL INSPECTION REQUIRED). CONCRETE SHALL BE MADE WITH TYPE V CEMENT WITH A WATER TO CEMENT RATIO NOT LESS THAN 0.45. SITE-SPECIFIC GEOTECHNICAL REPORT MUST BE PROVIDED IF A LOWER f_c IS DESIRED.
 - 1.B. REINFORCING STEEL: ASTM A615, GRADE 40 MIN. (GRADE 60 IS ALLOWED)
 - 1.C. PLATE STEEL: ASTM A36, $F_y = 36$ ksi
 - 1.D. PIPE COLUMNS: ASTM A53 GRADE B, TYPE E OR S, $F_y = 35$ ksi
 - 1.E. STRUCTURAL TUBES: ASTM A500 GRADE B, $F_y = 42$ ksi OR ASTM A513 (NORMALIZED WITH A MIN. ELONGATION IN 2" OF 20%), $F_y = 50$ ksi MIN. CORROSION PROTECTION SHALL BE TRIPLE COATED IN LINE ZINC ELECTROPLATING
 - 1.F. MACHINED BOLTS: ASTM A-307 OR SAE GRADE 2 MIN. (LOCK WASHERS REQUIRED). BOLTS OF GREATER STRENGTH MAY BE USED SUCH AS ASTM F593C/304 OR F593D/304
 - 1.G. CABLE STEEL: ASTM A1023, 7x19 CLASS IWRC, (TYPICALLY REFERRED TO AS AIRCRAFT CABLE) CABLE SHALL BE GALVANIZED (CLASS A ZINC COATING) OR STAINLESS STEEL. NOMINAL CABLE STRENGTH FOR $\frac{1}{2}" \varnothing F_u = 6.4k$, $\frac{3}{8}" \varnothing F_u = 9k$, $\frac{1}{2}" \varnothing SS F_u = 12k$, $\frac{3}{8}" \varnothing Galv. F_u = 14.4k$ DESIGN STRENGTH FOR $\frac{1}{2}" \varnothing = 2.18k$, FOR $\frac{3}{8}" \varnothing = 3.07k$, FOR $\frac{1}{2}" \varnothing SS = 4.09k$, FOR $\frac{3}{8}" \varnothing Galv = 4.91k$. MIN. PRETENSION FORCE ON $\frac{1}{2}" \varnothing = 0.10k$, ON $\frac{3}{8}" \varnothing = 0.15k$, ON $\frac{1}{2}" \varnothing = 0.20k$. MAX. PRETENSION FORCE ON $\frac{1}{2}" \varnothing = 0.15k$, ON $\frac{3}{8}" \varnothing = 0.23k$, ON $\frac{1}{2}" \varnothing = 0.30k$.
 - 1.H. WELDING ELECTRODES SHALL BE "GMAW" / SEMI-AUTOMATIC, GRADE ER70S-6 PER AWS A-5.18" GROUT: COMMERCIAL GRADE QUICKRETE, NON-SHRINK PRECISION GROUT, NO. 1585-00 $f_c = 3,000$ psi @ 1 DAY, 10,000 psi @ 28 DAYS
 - 1.J. EXPOSED STEEL FASTENERS: ALL EXPOSED STEEL FASTENERS, INCLUDING CAST-IN-PLACE ANCHOR BOLTS/RODS, SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), HOT-DIP GALVANIZED (ASTM A153, CLASS D MINIMUM OR ASTM F2329), OR PROTECTED WITH CORROSION-PREVENTATIVE COATING THAT DEMONSTRATED NO MORE THAN 2% OF RED RUST IN MINIMUM 1,000 HOURS OF EXPOSURE IN SALT SPRAY TEST PER ASTM B117. ZINC-PLATED FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT. (EXAMPLE PROPRIETARY COATINGS THAT DO COMPLY WITH THE 1,000 HOUR REQUIREMENT INCLUDE BUT ARE NOT NECESSARILY LIMITED TO: QUICK GUARD BY SIMPSON, KWIK-COTE BY HILTI, STALGARD BY ELCO, VISTACORR BY SFS INTEC, ETC.)
2. WELDING
 - 2.A. WORKMANSHIP AND TECHNIQUE OF WELDING ARE TO CONFORM TO THE 2016 C.B.C. SECTION 2204A.1. ALL WELDS SHALL BE INSPECTED IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE 2016 C.B.C. CHAPTER 17A, SECTION 1705A.2.5
3. CABLE CLIPS
 - 3.A. CABLE CLIPS SHALL BE FORGED STEEL PER FEDERAL SPECIFICATION FF-C-40 TYPE 1, CLASS 2 INSTALLED WITH THE U-BOLT ON THE CABLE DEAD END (SEE SPECIFICATION SHEET ON FINAL SHEET OF THIS SUBMITTAL)
4. BOLT TORQUE FOR $\frac{1}{2}" \varnothing$ CABLE CLIPS = 15 lb-ft, FOR $\frac{3}{8}" \varnothing$ CABLE CLIPS = 30 lb-ft
4. BOLT HOLES
 - 4.A. BOLT HOLE DIAMETERS SHALL BE $\frac{1}{16}"$ LARGER THAN THE BOLT DIAMETER
 - 4.B. ALL BOLTS SHALL BE INSTALLED WITH LOCK WASHERS
5. CORROSION PROTECTION
 - 5.A. STEEL TUBE ROOF MEMBERS SHALL BE TRIPLE COATED USING IN-LINE ZINC ELECTROPLATING PER ASTM E-6 AND THEN POWDER COATED WITH A TGIC POLYESTER TOP COAT.
 - 5.B. STEEL PIPE COLUMNS SHALL BE POWDER COATED WITH A TGIC POLYESTER PRIMER AND TOP COAT.
 - 5.C. ZINC SPELTER CONFORMS TO ASTM B-6 HIGH GRADE ZINC
6. FABRIC MATERIAL
 - 6.A. FABRIC MATERIAL SHALL BE COMTEX, EXTRA BLOCK, OR SYNTHESIS SA FR FABRIC
 - 6.B. THE FABRIC SHALL BE MANUFACTURED FROM HIGH DENSITY POLYETHYLENE POLYMER
 - 6.C. MIN. WEIGHT = 8.3 oz/yd²
 - 6.D. MIN. BREAKING STRENGTH PER ASTM D 5034: WARP = 165 lbs, WEFT = 260 lbs
 - 6.E. MAX. ELONGATION: WARP = 115%, WEFT = 76%
 - 6.F. MIN. TEAR STRENGTH PER ASTM D 2261: WARP = 26 lbs, WEFT = 26 lbs
 - 6.G. FIRE RETARDANT RATING PER CFSM - TITLE 19, (REGISTRATION #: ALNET EXTRA BLOCK SHADECLOTH - F94911)
 - 6.H. THE FABRIC SHALL BE CAPABLE OF MAINTAINING 80% OF ITS TENSILE AND TEARING STRENGTH AFTER EXPOSURE TO A 313 nm LIGHT SOURCE APPLIED FOR 500 HOURS AND WHILE MOISTENED FOR 1 HOUR EVERY 12 HOURS PER ASTM G53. THE FABRIC SHALL REQUIRE ANNUAL INSPECTION AND MAINTENANCE. SAMPLES OF THE SAME MATERIAL SHALL BE MAINTAINED AT THE PROJECT SITE AND TESTED TO SHOW COMPLIANCE WITH ASTM D 5034 AND D 2261
 - 6.I. THE FABRIC SHALL MAINTAIN AT LEAST 50% OF ITS ORIGINAL BREAKING STRENGTH AFTER 5 YEARS OF EXPOSURE TO SUNLIGHT
7. STANDARD NOTES
 - 7.A. ALL WORK SHALL CONFORM TO 2016 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
 - 7.B. CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR
 - 7.C. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR
 - 7.D. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT
 - 7.E. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(c), PART 1, TITLE 24, CCR)
 - 7.F. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES



CALIFORNIA DEPARTMENT OF FORESTRY and FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL

REGISTERED FLAME RESISTANT PRODUCT

Product: EXTRA BLOCK SHADECLOTH Registration No. F-94501

Product Marketed By:
ALNET PTY (LTD)
MOORSOM AVENUE, EPPING, INDUSTRY II
CAPE TOWN, S. AFRICA

This product meets the minimum requirements of flame resistance established by the California State Fire Marshal for products identified in Section 13115, California Health and Safety Code.

The scope of the approved use of this product is provided in the current edition of the CALIFORNIA APPROVED LIST OF FLAME RETARDANT CHEMICALS AND FABRICS, GENERAL AND LIMITED APPLICATIONS CONCERNS published by the California State Fire Marshal.

Deputy State Fire Marshal

Expire: 6/30/2019

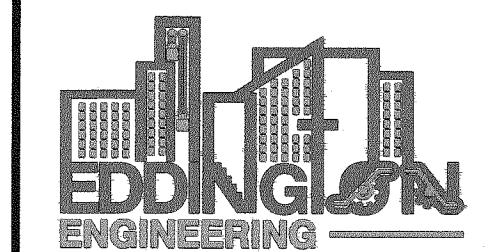
FR-8

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MANUFACTURER:

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PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
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FABRIC CANOPIES DSA PC
COVER SHEET & NOTES

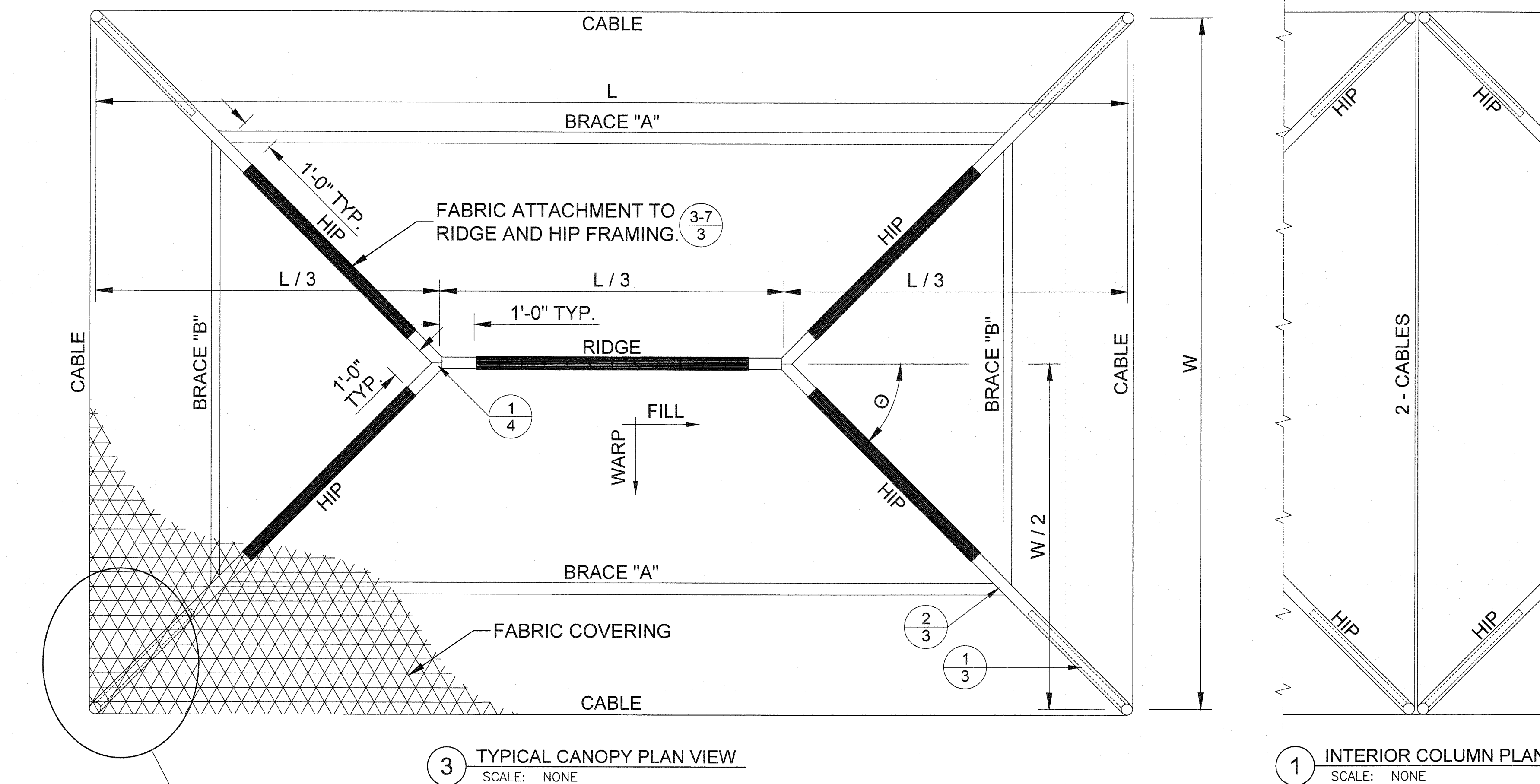
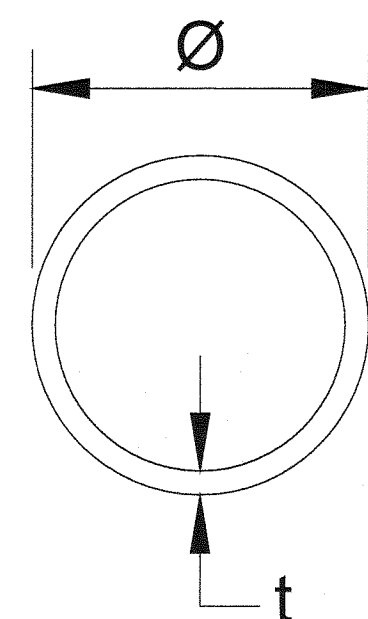
ISSUE INFORMATION

FILE NAME: Custom Canopies 2016 CBC (1)	JOB # #####
DRAWN BY: ISAAC EDDINGTON	DRAWING # 1 / OF 4
DATE: 4/9/19	

Canopy Base Shear Reactions			
Size	Max Base Shear (lbs)	Risa Load Case	Load Combination
20x15	210	11	DL + .7EQx1.25
20x20	262	11	DL + .7EQx1.25
30x20	350	11	DL + .7EQx1.25
30x25	499	9	.6DL + WB
30x30	650	11	DL + .7EQx1.25
40x20	551	9	.6DL + WB
40x30	751	9	.6DL + WB

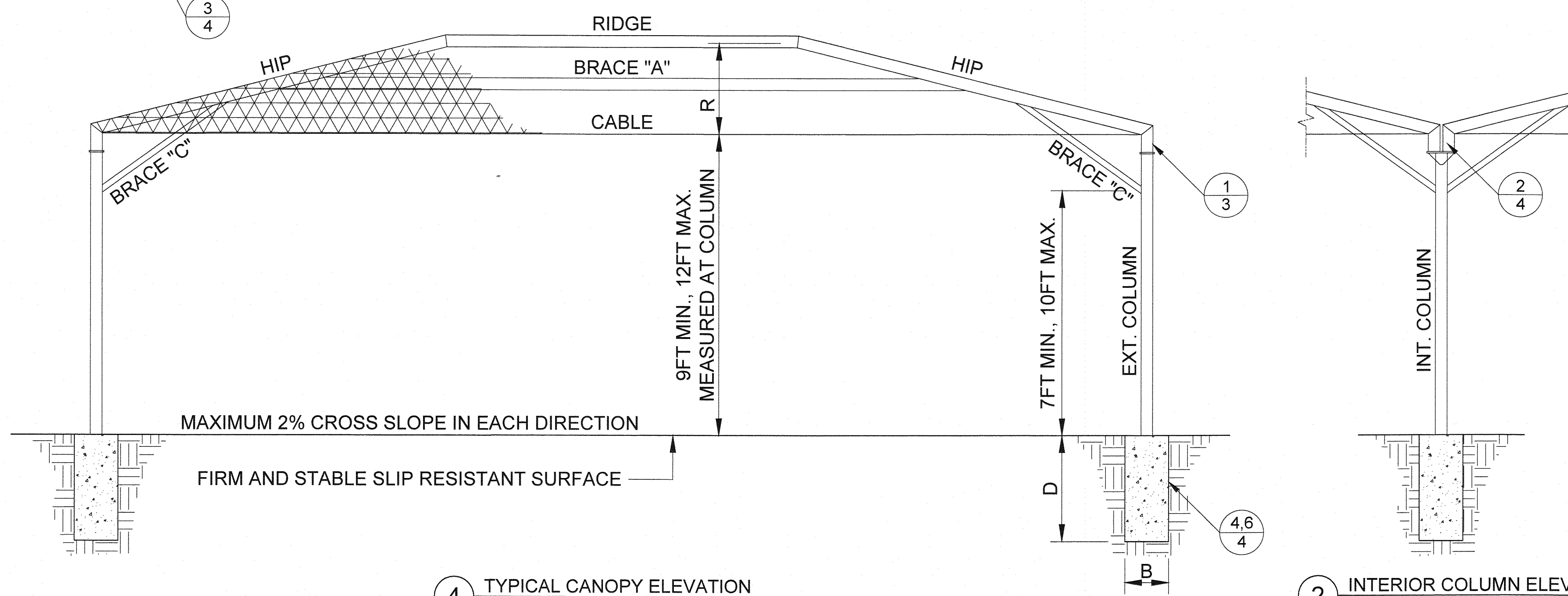
NOTE: BASE SHEAR REACTIONS ARE DOUBLED AT INTERIOR COLUMN LOCATIONS

STRUCTURAL TUBING PROPERTIES						
SIZE	Ø	t des.	A	I	S	GAGE REFERENCE
1 3/4"Øx.109	1.75"	.101"	.523in2	.179in4	.204in3	12GA
2"Øx.095	2"	.088"	.529in2	.242in4	.242in3	13GA
2 1/4"Øx.120	2.25"	.112"	.752in2	.431in4	.383in3	11GA
2 7/8"Øx.109	2.875"	.101"	.880in2	.848in4	.590in3	12GA
2 7/8"Øx.120	2.875"	.112"	.972in2	.929in4	.646in3	11GA
3"Øx.120	3"	.112"	1.016in2	1.061in4	.707in3	11GA
3 1/2"Øx.120	3.5"	.112"	1.192in2	1.712in4	.978in3	11GA
4"Øx.120	4"	.112"	1.368in2	2.587in4	1.294in3	11GA
4 1/2"Øx.120	4.5"	.112"	1.544in2	3.718in4	1.653in3	11GA
4 1/2"Øx.180	4.5"	.167"	2.273in2	5.343in4	2.375in3	7GA
5"Øx.120	5"	.112"	1.720in2	5.139in4	2.056in3	11GA
5"Øx.180	5"	.167"	2.536in2	7.412in4	2.965in3	7GA



3 TYPICAL CANOPY PLAN VIEW
SCALE: NONE

1 INTERIOR COLUMN PLAN
SCALE: NONE



4 TYPICAL CANOPY ELEVATION
SCALE: NONE

2 INTERIOR COLUMN ELEV.
SCALE: NONE

CANOPY OPTIONS																				
✓	L	W	R	Ø	Ext. Col.	D "n"	D "c"	B	Int. Col.	D "n"	D "c"	B	HIP	RIDGE	BRACE A	BRACE B	CABLE	BOLT A	BOLT B	BOLT C
□	20'	10'	1.77'	36.9°	3" Std.	3.6'	2.5'	1.5'	3" Std.	4.7'	3.2'	1.5'	2 7/8"Øx.109	2 7/8"Øx.109	2 7/8"Øx.109	2"Øx.095	1/4"Ø	1/2"Ø	3/8"Ø	1/2"Ø
□	20'	15'	2.13'	48.4°	3" Std.	3.6'	2.5'	1.5'	3" Std.	4.7'	3.2'	1.5'	2 7/8"Øx.109	2 7/8"Øx.109	2 7/8"Øx.109	2"Øx.095	1/4"Ø	1/2"Ø	3/8"Ø	1/2"Ø
□	20'	20'	2.55'	56.3°	3" Std.	4.1'	2.8'	1.5'	3" Std.	5.4'	3.6'	1.5'	3 1/2"Øx.120	3 1/2"Øx.120	2 7/8"Øx.109	2 7/8"Øx.109	1/4"Ø	1/2"Ø	3/8"Ø	1/2"Ø
□	25'	25'	3.19'	56.3°	4" Std.	4.3'	2.9'	2'	4" Std.	5.6'	3.7'	2'	4 1/2"Øx.120	4 1/2"Øx.120	4 1/2"Øx.120	3 1/2"Øx.120	5/16"Ø	3/4"Ø	(2) 3/8"Ø	5/8"Ø
□	30'	20'	3.01'	45.0°	3 1/2" Std.	4.2'	2.9'	2'	3 1/2" Std.	5.6'	3.7'	2'	4"Øx.120	4"Øx.120	4"Øx.120	2 7/8"Øx.120	5/16"Ø	5/8"Ø	3/8"Ø	5/8"Ø
□	30'	25'	3.40'	51.3°	4" Std.	4.3'	2.9'	2'	4" Std.	5.6'	3.7'	2'	4 1/2"Øx.120	4 1/2"Øx.120	4 1/2"Øx.120	3 1/2"Øx.120	3/8"Ø	3/4"Ø	(2) 3/8"Ø	5/8"Ø
□	36'	18'	3.19'	36.9°	4" Std.	4.4'	3.1'	2'	4" Std.	5.8'	3.9'	2'	4 1/2"Øx.120	4 1/2"Øx.120	4 1/2"Øx.120	2 7/8"Øx.120	5/16"Ø	5/8"Ø	3/8"Ø	5/8"Ø
□	40'	20'	3.54'	36.9°	4" Std.	4.9'	3.4'	2'	4" Std.	5.9'	4'	2.5'	4 1/2"Øx.180	4 1/2"Øx.120	4 1/2"Øx.180	2 7/8"Øx.120	3/8"Ø	3/4"Ø	(2) 3/8"Ø	3/4"Ø
□	30'	30'	3.83'	56.3°	5" Std.	5.4'	3.7'	2'	5" Std.	6.5'	4.3'	2.5'	5"Øx.180	5"Øx.120	4 1/2"Øx.120	3 1/2"Øx.120	3/8"Ø	3/4"Ø	(2) 3/8"Ø	3/4"Ø
□	40'	30'	4.27'	48.4°	5" Std.	5.8'	3.9'	2'	5" Std.	7'	4.6'	2.5'	5"Øx.180	5"Øx.120	5"Øx.180	4"Øx.120	3/8"Ø	3/4"Ø	(2) 3/8"Ø	3/4"Ø

TABLE NOTES:
n = NONCONSTRAINED CONDITION
(SEE DETAIL 4B ON SHEET 4)
c = CONSTRAINED CONDITION
(SEE DETAIL 4A ON SHEET 4)
DIMENSIONS "L" OR "W" MAY BE REPEATED IN ONE DIRECTION ONLY.

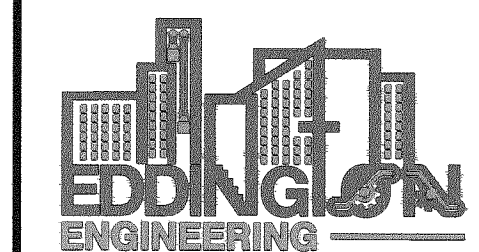
← CABLE FOR 40'X30 CANOPY MUST BE GALVANIZED TYPE NOT STAINLESS

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DATE: 04.09.19

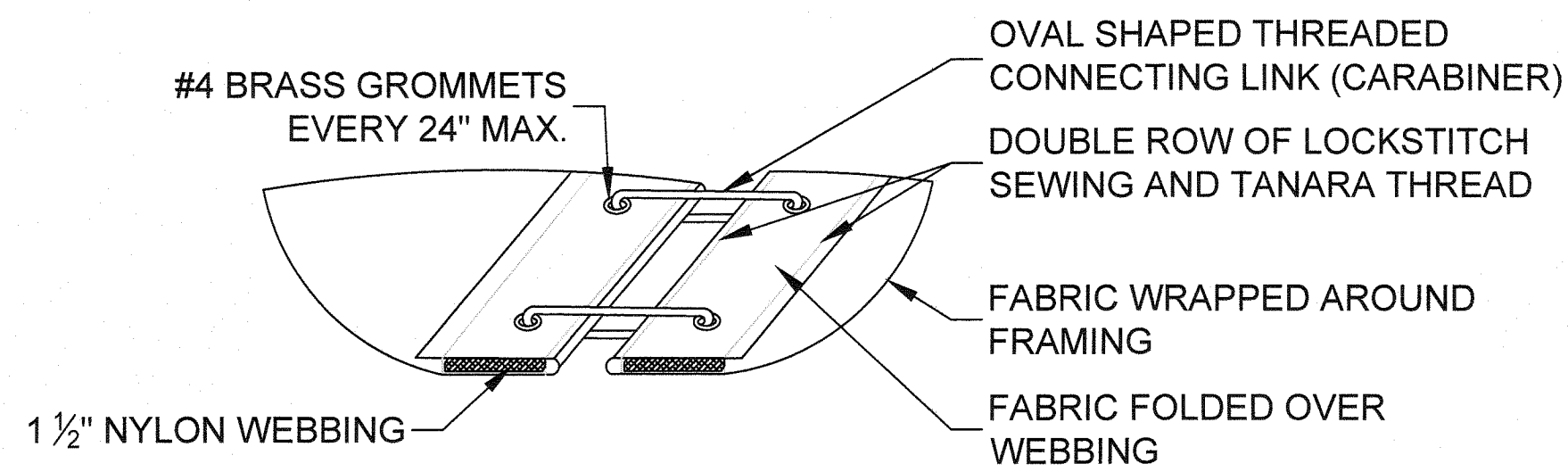
FABRIC CANOPIES DSA PC
CANOPY PLANS & TABLES

ISSUE INFORMATION

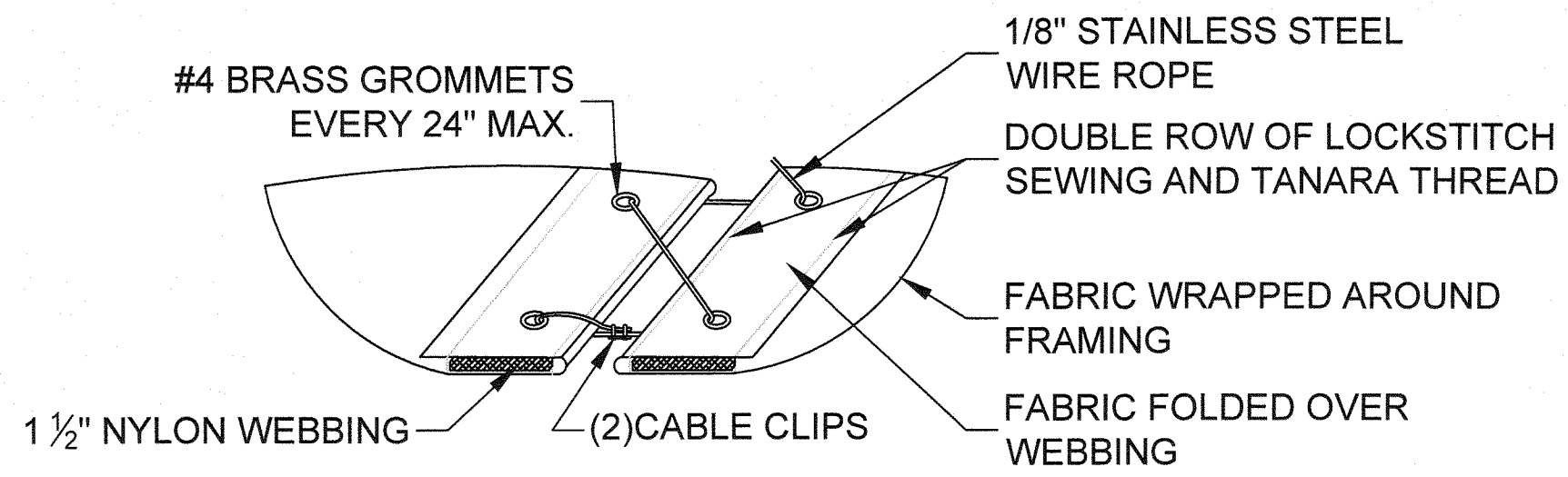
FILE NAME: Custom Canopies 2016 CBC (1) JOB # #####

DRAWN BY: ISAAC EDDINGTON DRAWING # 2 OF 4

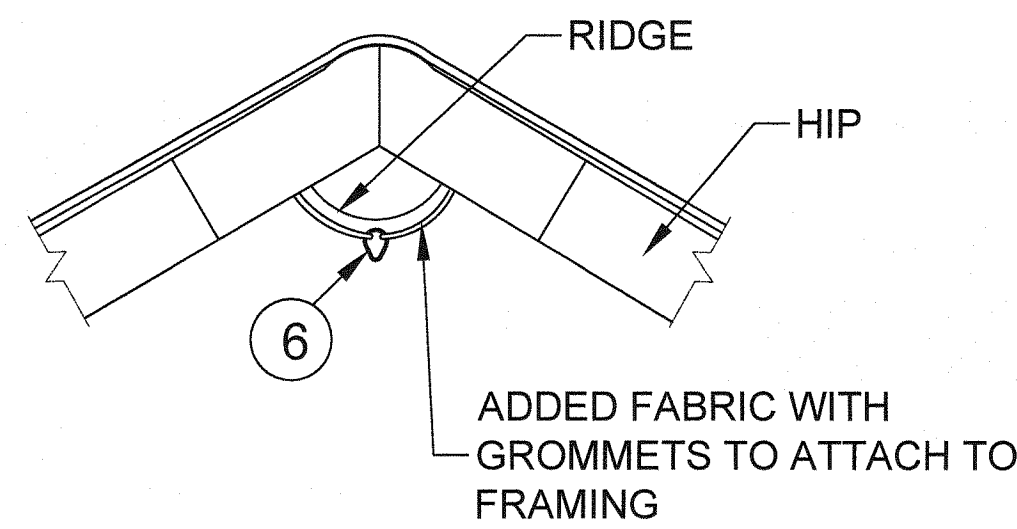
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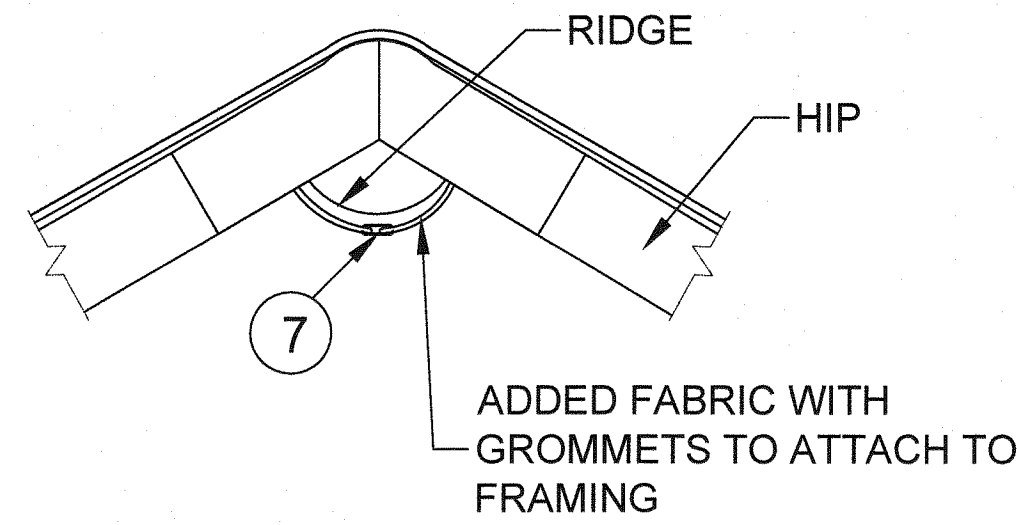
6 OPTION 1 FABRIC ATTACHMENT
SCALE: NONE



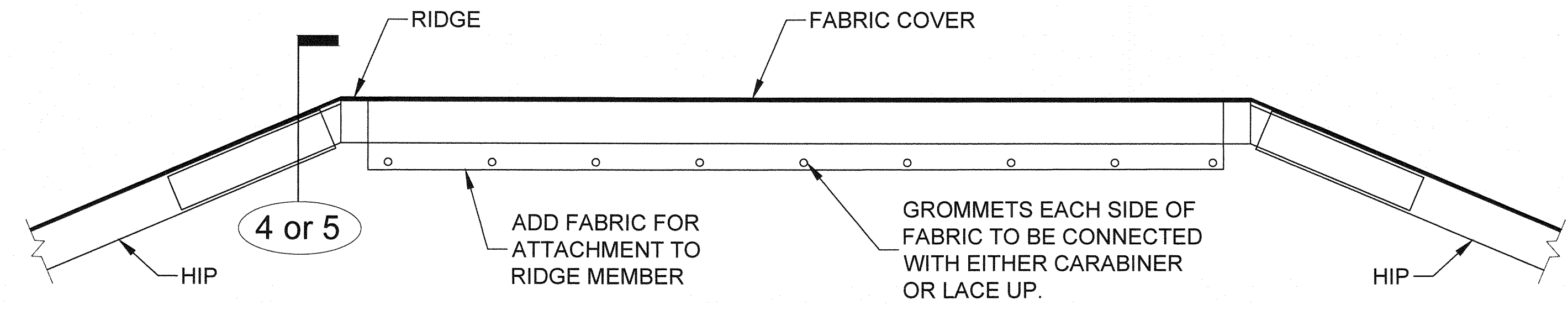
7 OPTION 2 FABRIC ATTACHMENT
SCALE: NONE



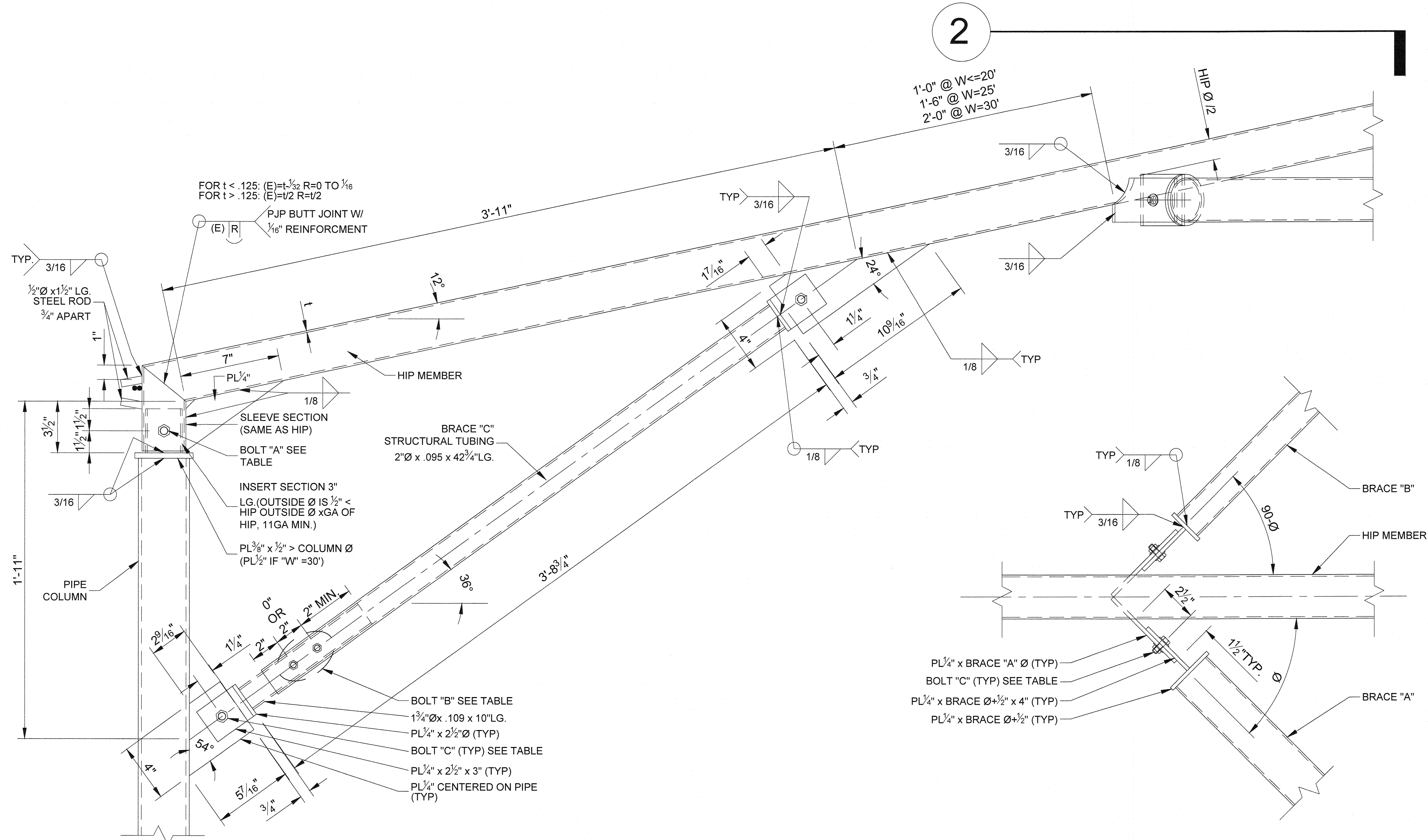
4 OPTION 1 FABRIC ATTACHMENT
SCALE: NONE



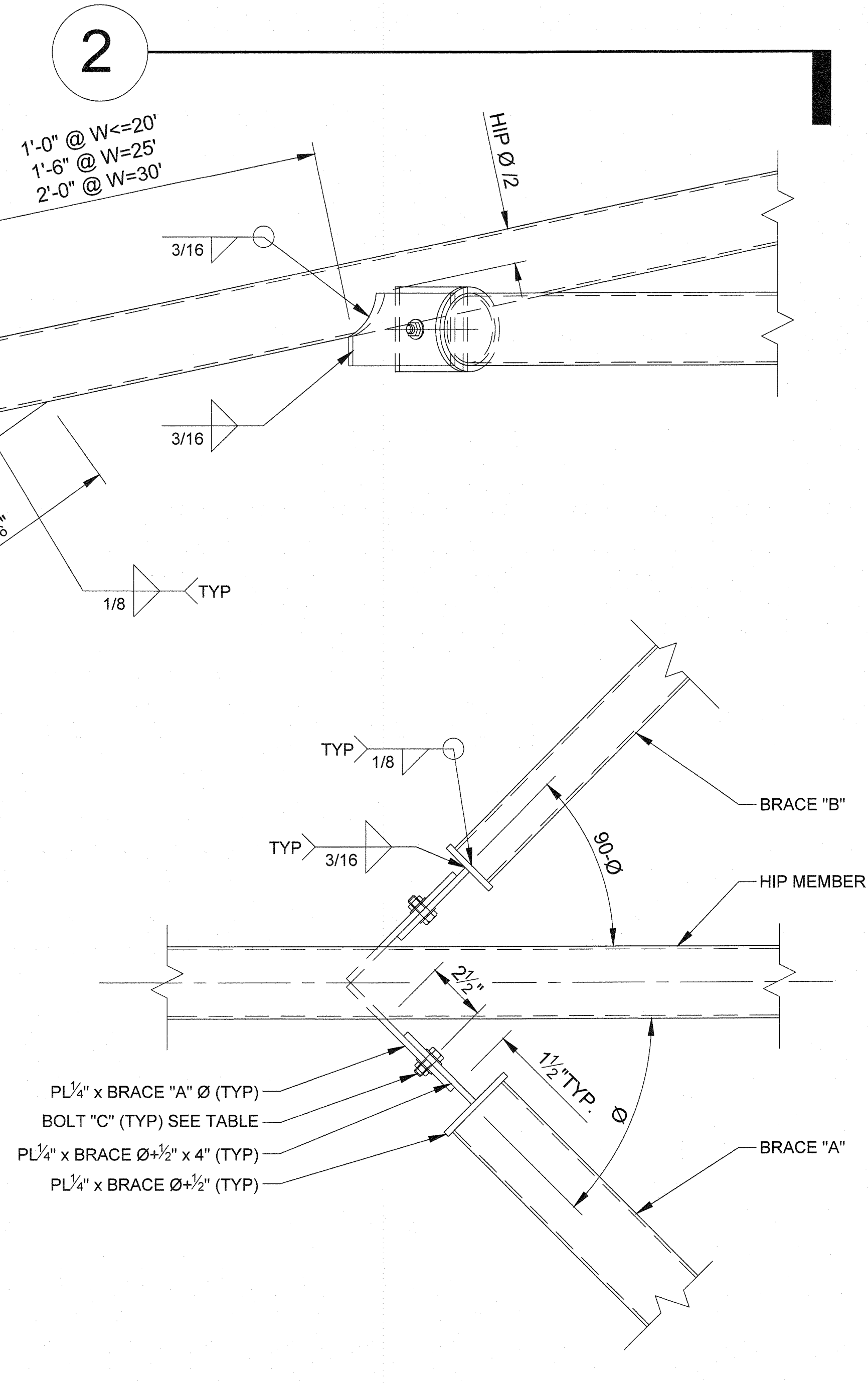
5 OPTION 2 FABRIC ATTACHMENT
SCALE: NONE



3 SECTION TO SHOW FABRIC ATTACHMENT TO FRAMING
SCALE: NONE



1 TYPICAL EXT. COL. - HIP CONNECTION
SCALE: 3\"/>

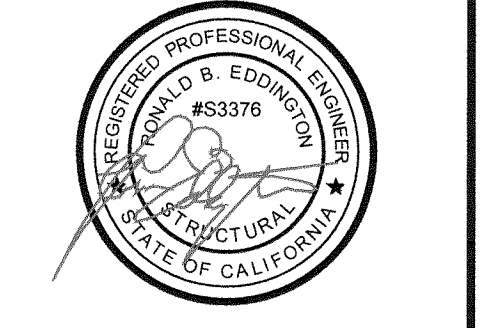


2 HORIZONTAL BRACE CONNECTION
SCALE: 3\"/>

PC IDENTIFICATION STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 119164
ACS FLS SS
DATE MAR 1 2 2019

EDDINGTON ENGINEERING
6001 Helva Lane
Carmichael, CA 95608
Phone: (916)359-5300
www.eddingtonengineering.com



MANUFACTURER:

CUSTOM CANOPIES, INC.
19 Valeroso
Rancho Santa Margarita, CA. 92688
(952) 464-4766 Fax: (952) 464-4770

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A separate project application
for construction is required

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 04-117970 INC.
REVIEWED FOR
SS FLS ACS
DATE: 04.09.19

FABRIC CANOPIES DSA PC
TYPICAL CANOPY BRACING
DETAILS

ISSUE INFORMATION

FILE NAME: Custom Canopies 2016 CBC (1)	JOB # #####
DRAWN BY: ISAAC EDDINGTON	DRAWING # 3 OF 4
DATE: 4/9/19	

File Location: G:\Team Drive\Eddington Engineering\CANOPIES\CUSTOM CANOPIES INC\2017 PC Submittal\Custom Canopy Submittal\Custom Canopies 2016 CBC (1) Plot Date: 4/9/2019 Last Saved: 4/9/2019 Last Saved By: Isaac Eddington

