

ADDENDUM NUMBER TWO

DATE: April 1, 2019

PROJECT: City of Myrtle
Renovations to 13th Ave. South for Facilities Maintenance

TO: All Bidders

Addendum 2 is being issued as a Supplement Addenda to ADDENDUM 1.

Addendum 1 inadvertently had duplicate files, therefore this is the correction to Addendum 1.

This Addendum forms part of the Contract Documents and modifies the original Project Manual dated March 2019 and Contract Documents dated March 19, 2019. Acknowledge receipt of this addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

- The addendum consists of 16 pages including attachments: Pre-Bid Sign In, Bid Schedule
- For access to the site, please contact Jay Hood 843-918-1186. Advance notice required.
- Please note, as per the pre-bid meeting, **all questions** are to be sent to Tina Causey, City of Myrtle Beach Purchasing department, at tcausey@cityofmyrtlebeach.com
- City of Myrtle Beach Business License will be required for anyone working on the job.
- As per Section 00200, 8.02-A, and Section 00300, Statement of Experience of the Bidder is a required form, to be submitted with the bid. The references of the lowest responsive bidder will be checked by the Owner/Architect.
- The exterior trees, on the eastern side of the existing building, near the existing transformer, will be trimmed by the Owner.
- The City will not charge the General Contractor for water service – however, any cost associated with temporary power is the responsibility of the General Contractor.

I. CHANGES TO THE PROJECT MANUAL:

A. GENERAL

Item No. 1 – Section 00300 – Proposal

REVISE TO READ

“Alternate #2 DELETE – Plywood materials and insulation at Room 121 Workshop, all walls.”

Item No. 2 – Section 00300 – List of Subcontractors

CLARIFICATION

Provide the list of subcontractors only for the classifications requested on the form.

Item No. 3 – Section 00650 – Proposal, 1.03 Scope of Work

REVISE TO READ

"Renovations and alterations to an existing approximately 5,000 sf metal building structure. Work will include removal of all existing siding and roofing, and converting the building to a maintenance facility for the City of Myrtle Beach. The new work will include new metal stud walls, new sheet membrane roofing, new fiber cement siding, and all associated plumbing/mechanical/electrical work."

Item No. 4 – Section 01500 – Temporary Facilities and Controls, 1.18 Enclosures and Fencing

DELETE THIS SECTION IN ITS ENTIRETY

The existing job site has a fence around the perimeter that will be maintained throughout the construction process.

B. ARCHITECTURAL**Item No. 1** – Section 09260 Gypsum Board Systems, 2.02 Framing Materials, A

ADD

1. Interior metal stud framing shall be 3-5/8", or 6", 20 gauge drywall metal studs.
2. The full height wall separating the offices from the workshop will be a 6" CSJ metal stud, 18 gauge.

Item No. 2 – Section 09651 Resilient Tile Flooring, 3.2A

ADD

1. Given the existing concrete slab condition, the General Contractor is required to scrape, clean, and prep the floor in accordance with manufacturer's recommendations. Prior to installation of the flooring, an inspection with the Owner/Architect present, will be required for acceptance of the existing condition.

Item No. 3 – Section 09651 Resilient Tile Flooring, 3.7 Schedule

REVISE TO READ

- A. Refer to the Room Finish Schedule on the architectural drawings.

II. CHANGES TO THE CONSTRUCTION DOCUMENTS:

A. ARCHITECTURAL

Item No. 1 - Sheet G0.0 Code Compliance

Revisions reflect Owner's Occupancy of 14 employees, and therefore, not requiring a drinking fountain.

Item No. 1 - Sheet AD1.0 Existing Floor Plan/Demo Plan

END OF ADDENDUM #1

BID SCHEDULE

Renovations to 13th Ave. South for Facilities Maintenance

LUMP SUM PRICE

TOTAL BID: _____ \$ _____
(in words)

ALTERNATE #1 DELETE Casework and Countertops

DELETE _____ \$ _____
(in words)

ALTERNATE #1 DELETE Plywood materials and insulation at Room 121 Workshop, All Walls

DELETE _____ \$ _____
(in words)

NOTE: Bids shall include sales tax and all other applicable taxes and fees.

Respectfully submitted:

Signature

Address

Title

Date

License Number (if applicable)

SEAL (if BID is by a corporation)

Attest: _____



City of Myrtle Beach
SOUTH CAROLINA

Mandatory Pre-Bid: March 28, 2019 at 10:00AM

RFP 19-B0097 Facilities Renovation


Bid Opening: April 16, 2019 at 2:00PM

Please Sign In:

Company Name

Representative

1) GRAND STRAND BLOR


Signature

Phone/Fax

Print

bethsisson@sc.rr.com

Email address

2) Marshall Eastorby

Signature

843-546-4491

Phone/Fax

Print

Marshall @ Coastal Structures . Com

Email address

3) BEC CONSTRUCTION


Signature

843-318-0120

Signature

RICK AMMONS

Phone/Fax

Print

RAMMONS@BECCONSTRUCTION.COM

Email address

Contractor

Company Name

Representative

4) Hanco of SC Inc

Clint Smith

Signature

843 236 7952 843 903 6268 F

Clint Smith

Phone/Fax

Print

clint@hancoconstruction.com

Email address

5) Sellers General Const.

Johnny E. Sellers

Signature

843-385-2026 843-3655147

Johnny E. Sellers

Phone/Fax

Print

SellersGeneralConstruction@yahoo.com

Email address

6) CHANCELL HRT

Joe Jumper

Signature

843-234-6510 / F 843-234-6501

JOE JUMPER

Phone/Fax

Print

McKENZIE@CHANCELLHRT.COM

Email address

7) Solid Structures

Jason Gauntt

Signature

803-926-0298

Jason Gauntt

Phone/Fax

Print

JGAUNTT@solidstructures.info

Email address

8) Gilbert & Fields

John Parker

Signature

843-669-3428

John Parker

Phone/Fax

Print

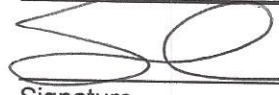
john@gilbertfields.com

Email address

Company Name

Representative

9 FBI CONSTRUCTION



843-374-4324

Signature

STEWART MCINTYRE

Phone/Fax

Print

ASHLEY.WORK@FBI.CONSTRUCTION.COM

Email address

Carolina Cool, Inc

10 ~~Allen Anderson~~



843 238 5805

Signature

Allen Anderson

Phone/Fax

Print

aanderson@carolinacool.com

Email address

11

Signature

Phone/Fax

Print

Email address

12

Signature

Phone/Fax

Print

Email address

13

Signature

Phone/Fax

Print

Email address

CODE COMPLIANCE REVIEW

CODES COMPLIANCE REVIEW AND RELATED INFORMATION

- A. PROJECTED DESIGNED IN ACCORDANCE WITH:
1. International Building Code - 2015 Edition
 2. International Plumbing Code - 2015 Edition
 3. International Mechanical Code - 2015 Edition
 4. International Fuel Gas Code - 2015 Edition
 5. International Fire Code - 2015 Edition
 6. National Electric Code - 2014 Edition
 7. National Electrical Safety Code ANSI-C2 - Latest Edition
 8. ICC/ANSI-A117.1 - American National Standard: Accessible and Usable Buildings and Facilities
 9. Americans with Disabilities Act (ADA)
 10. International Energy Conservation Code - 2009 Edition

B. BASIC REVIEW INFORMATION

1. Site Development: NA
 - a. Area of Site Developed (in acres): NA
 - b. Municipality and/or County Where Project is Located: City of Myrtle Beach
 - c. Jurisdiction for:
 - 1) Site Work: City of Myrtle Beach
 - 2) Water: City of Myrtle Beach
 - 3) Sewer: City of Myrtle Beach
 - 4) Zoning: City of Myrtle Beach
 - d. Is project in Flood Plain: No
 - e. Is project in Wetlands Area: No

2. Primary Occupancy Classification: B, S-1; Non-separated Occupancy

3. Type of Construction (IBC Chapter 6): Type III B
Sprinklered: No

Building Floor Area by Design:	Building Floor Area allowed by IBC:
B 2932 sf	19,000 sf
S-1 1665 sf	26,000 sf
Unheated 294 sf	
TOTAL: 4891 sf	

(*Unheated square footage is used for determination of occupant load only in Section 6 below)

5. Building Height: +/- 17'-3" * Building Height Allowed (IBC Table 503):
Number of Stories: 1 Allowable Height: Number of Stories Allowed:
S-1 = 55 ft S-1 = 3
B = 55 ft B = 3

*Building height is measured from the average grade plane to the top of the highest roof surface.

6. Required Separation of Occupancies (Table 508.4):
Fire Resistance Rating:

B to S-1 Occupancies = No separation required

7. Building Occupant Load: (IBC Section 1004 and Table 1004.1.2)
Occupant Load based on owner provided information: Number of employees = 14

8. Fire Resistance ratings required (IBC Table 601), A/E specified system and source of rated assembly/element selected (UL, FM, etc.)

	Required	Source UL
a. Party/Fire Walls:	Not Required	
b. Interior Bearing Walls:	Not Required	
c. Interior Nonbearing Partitions:	Not Required	
d. Columns:	Not Required	
e. Beams, Girders, Trusses & Arches:	Not Required	
f. Floor & Floor/Ceiling Construction:	Not Required	
g. Roof & Roof/Ceiling Construction:	Not Required	
h. Exterior Bearing Walls:	Not Required	
i. Corridors:	Not Required	

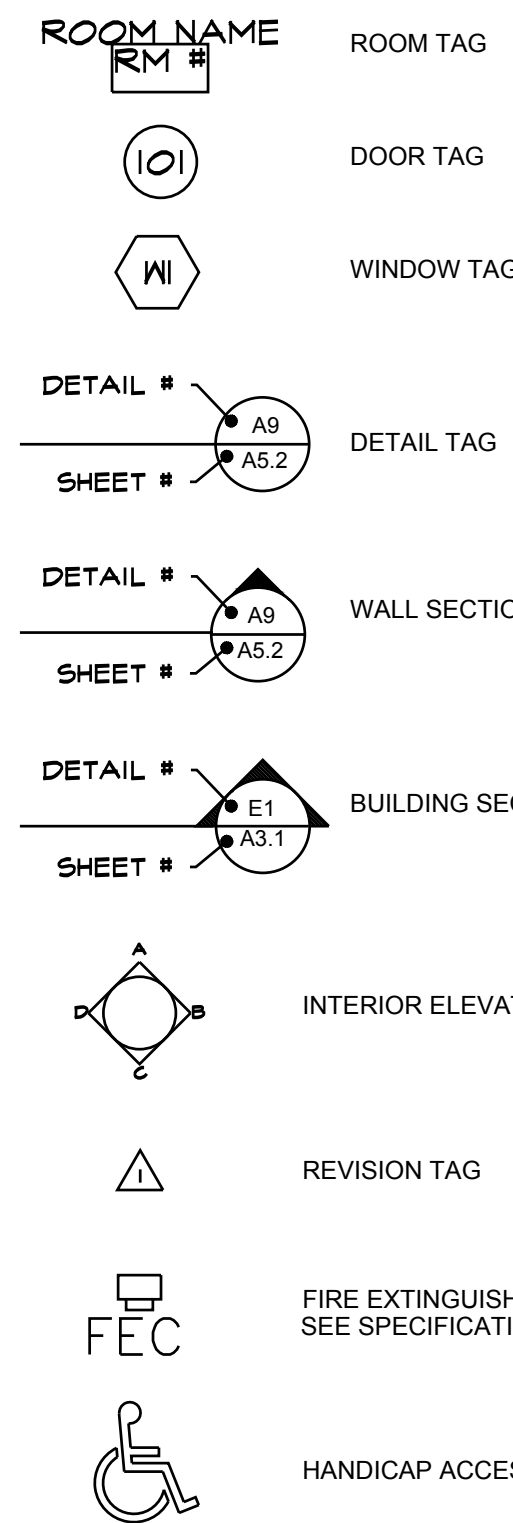
9. Other Fire Protection:

a. Mechanical Room Separation	Not Required
b. Shaft Enclosure (IBC 707.4):	"...shaft enclosures shall have a fire resistance ratings of not less...than 1 hour where connecting less than four stories."
c. Machine Rooms (IBC 3006.4):	"...machine rooms shall be enclosed with construction having a fire resistance rating of not less than the required rating of the hoistway enclosure..."
d. Fireblocking Required (IBC 718.2):	Not Required
e. Smoke Barrier Required (IBC 709):	Not Required
f. Sprinklers Required (IBC 903):	Not Required
g. Standpipes Required (IBC 905):	Not Required
h. Fire Alarms Required (IBC 907):	Not Required
i. Draftstopping (IBC 718.3):	Not Required
j. Draftstopping (IBC 718.4):	Not Required

10. Project in Fire District: City of Myrtle Beach

11. Plumbing Facilities: (IPC Chapter 4; Table 403.1)

	Required	Provided
Water Closets:	Male: 1; Female: 1	Male: 2; Female: 1
Lavatories:	Male: 1; Female: 1	Male: 1; Female: 1
Drinking Fountains:	2015-IBC, Section 2902.6: Small occupancies. Drinking fountains shall not be required for an occupant load of 15 or fewer.	
Other: Service Sinks	1	1
Unisex bathrooms (watercloset and lavatory)	-	1



THE FOLLOWING IS A LIST OF ABBREVIATIONS (BUT NOT LIMITED TO); FOR USE WITH ALL ARCHITECTURAL DRAWINGS.

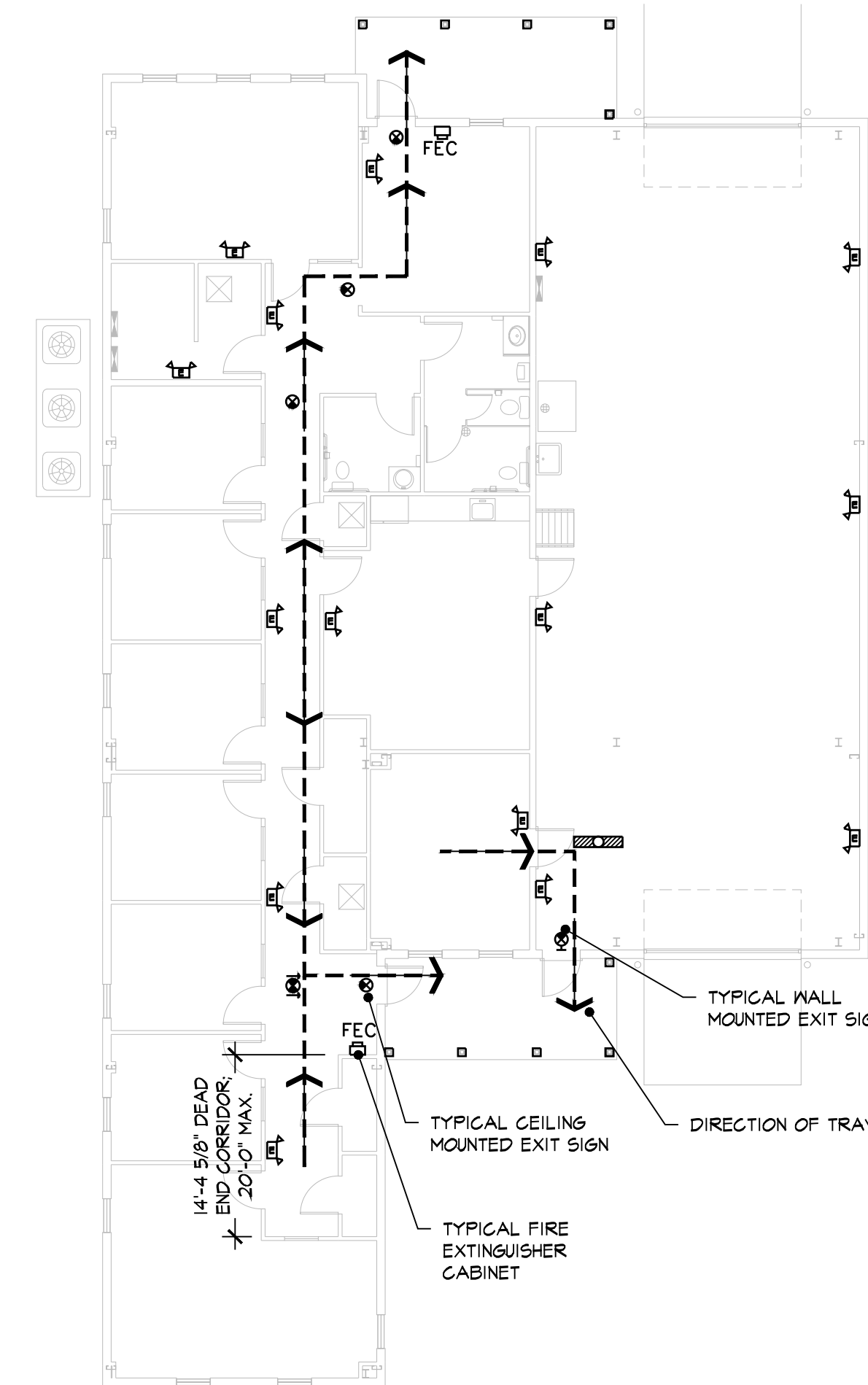
ACMU = ARCHITECTURAL CONCRETE MASONRY UNIT	PLY = PLYWOOD
ACT = ACOUSTICAL CEILING TILE	PLYND. = PLYWOOD
ADA = AMERICAN DISABILITIES ACT	PT = PASS THRU
APF = ABOVE FINISH FLOOR	PTD. = PAINTED
ALUM. = ALUMINUM	PWD = PLYWOOD
AP = ACCESS PANEL	RCP = REFLECTED CEILING PLAN
BM. = BEAM	RD. = ROOF DRAIN
BTM. = BOTTOM	RE = REFER TO / REFERENCE SHEET
CLG. = CEILING	RWB = RUBBER WALL BASE
CMU = CONCRETE MASONRY UNIT	SAP = SECURITY ACCESS PANEL
COORD. = COORDINATE	SCHED. = SCHEDULE
CPT = CARPET	SHLV. = SHELVES
CT = CERAMIC TILE	SHM = SECURITY HOLLOW METAL
CTB = CERAMIC BASE TILE	SIM. = SIMILAR
CTM = CERAMIC MALL TILE	SNL = SECURITY NARROW LITE
DR = DOOR	TYP. = TYPICAL
DTL. = DETAIL	UNO = UNLESS NOTED OTHERWISE
EA. = EACH	VCT = VINYL COMPOSITION TILE
ELEV. = ELEVATION	W. = WITH
EXT. = EXTERIOR	WGTs. = WEIGHTS
FD = FLOOR DRAIN	
FEC = FIRE EXTINGUISHER CABINET	
FFE = FINISH FLOOR ELEVATION	
FOM = FACE OF MASONRY	
FRFP = FIBERGLASS REINFORCED PANEL	
GALV. = GALVANIZED	
GYP. BD. = GYPSUM WALL BOARD	
GWB = GYPSUM WALL BOARD	
HDW. = HARDWARE	
HGT. = HEIGHT	
HM = HOLLOW METAL	
INFO. = INFORMATION	
INT. = INTERIOR	
LAV = LAVATORY	
MATL. = MATERIAL	
MTL. = METAL	
NA = NOT APPLICABLE	
NIG = NOT IN CONTRACT	
NL = NARROW LITE	
OC. = ON CENTER	
OFCC = OWNER FURNISHED CONTRACTOR INSTALLED	
OFCCO = OWNER FURNISHED OWNER INSTALLED	
ORD. = OVERFLOW ROOF DRAIN	

G10 SYMBOLS

G0.0 NO SCALE

H12 ABBREVIATIONS

G0.0 NO SCALE



- A. Exits required: 2; Egress width required: 41 x 0.2" = 8.2" (minimum clear door width required: 32")
- B. Exits provided: 3; Egress width provided: 108"; (3) 3'-0" wide doors.
- C. Dead End Corridor maximum length (IBC 1020.4): 20'-0"

GENERAL NOTES

- A. DIMENSIONS ARE TO FACE OF METAL STUDS, FACE OF MASONRY, CENTERLINE OF DOORS, OR CENTERLINE OF WINDOWS, UNLESS NOTED OTHERWISE.
- B. PLAN CUT IS TAKEN AT 4'-6" ABOVE FINISHED FLOOR.
- C. NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS.
- D. PROVIDE BLOCKING AT ALL WALL HUNG EQUIPMENT TO INCLUDE, BUT NOT LIMITED TO, GRAB BARS, CASEWORK AND TOILET ACCESSORIES.
- E. ALL HEIGHTS FOR HANDICAP ELEMENTS ARE TO BE IN ACCORDANCE WITH THE ADA FOR MAKING FACILITIES ACCESSIBLE AND USABLE FOR PHYSICALLY HANDICAPPED PEOPLE. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND PROPER INSTALLATION OF ALL RELATED ELEMENTS.
- F. PROVIDE MINIMUM OF 18" CLEAR ON THE FULL SIDE AND 12" CLEAR ON THE PUSH SIDE OF ALL ACCESSIBLE DOORS.
- G. COORDINATE AND ALIGN STUD FRAMING WITH THE THICKNESS OF FINISH WALL MATERIAL SO THAT THE FINISH WALL IS IN A CONTINUOUS SMOOTH PLANE.
- H. FEC = FIRE EXTINGUISHER CABINET. FINAL LOCATION TO BE APPROVED BY BOTH ARCHITECT AND LOCAL FIRE INSPECTOR.
- I. ALL NON-BEARING PARTITION WALLS SHALL EXTEND A MINIMUM OF 6" ABOVE THE CEILING HEIGHT. BRACE TO STRUCTURE ABOVE EVERY 48" O.C. WITH METAL STUDS.
- J. ALL STUD WALLS TO RECEIVE SOUND BATT INSULATION.

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REVISION DATE

1 03/28/19

AN RENOVATION TO THE
13TH AVENUE SOUTH FOR FACILITIES MAINTENANCE

MYRTLE BEACH, SOUTH CAROLINA

2019

03/19/2019

CODE COMPLIANCE

G0.0

A1

CODE COMPLIANCE

G0.0

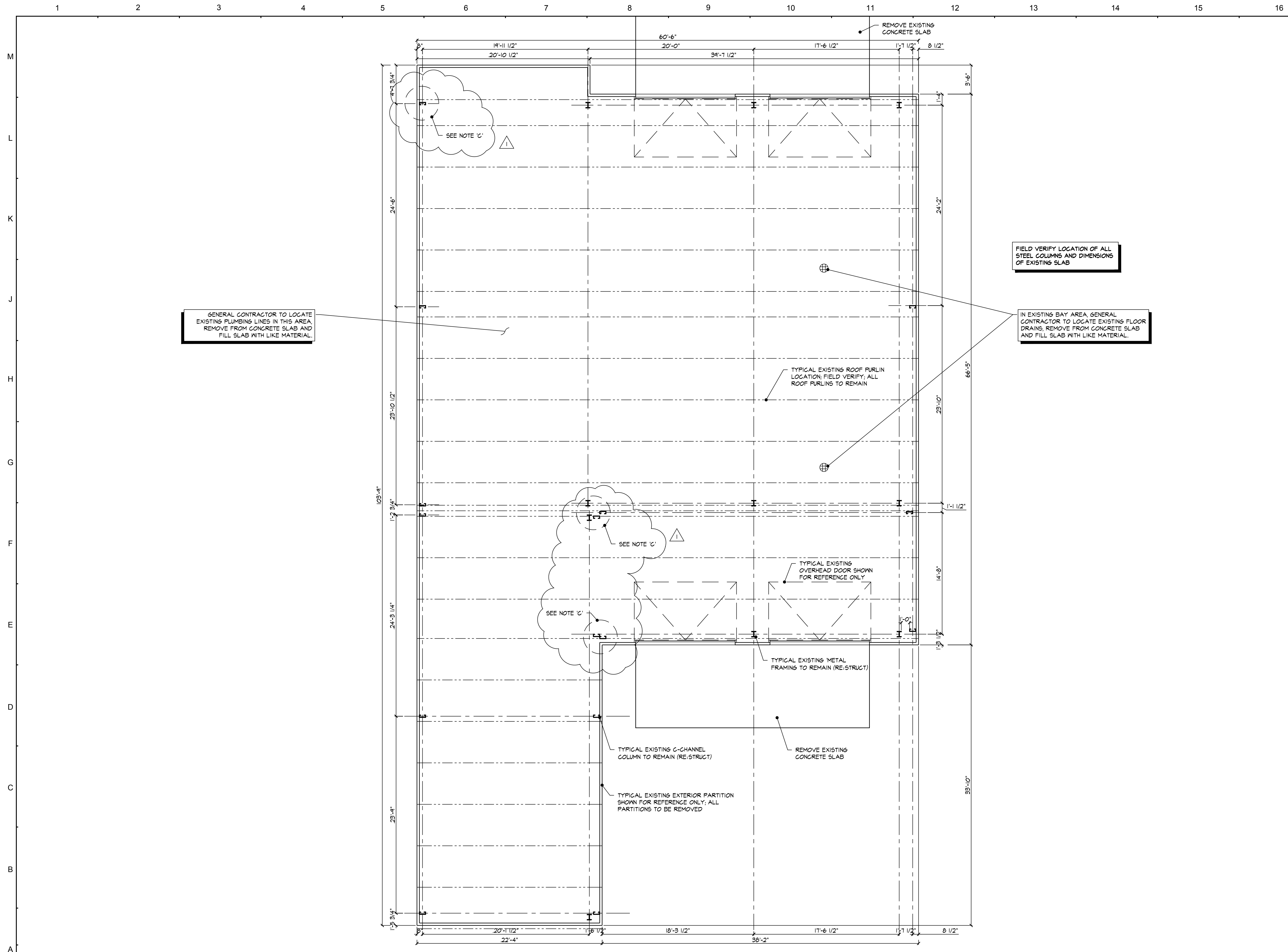
NO SCALE

A9

LIFE SAFETY PLAN

G0.0

NO SCALE



GENERAL NOTES

- A. DIMENSIONS ARE TO FACE OF METAL STUDS, CENTERLINE OF DOORS, OR CENTERLINE OF WINDOWS, UNLESS NOTED OTHERWISE.
- B. NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS.
- C. VISUALLY OBVIOUS STRUCTURAL STEEL THAT NEEDS TO BE REPLACED AND OR REPAIRED. REPLACE AND OR REPAIR, BUT NOT LIMITED TO THESE LOCATIONS, ANY EXISTING BENT AND OR TWISTED STEEL STRUCTURAL MEMBERS IN ACCORDANCE WITH SPECIFICATION SECTION 05120.

DEMO NOTES

- A. GENERAL CONTRACTOR SHALL REMOVE ALL BUILDING ELEMENTS AND ASSOCIATED COMPONENTS OF THE BUILDING EXCEPT STRUCTURAL STEEL FRAMING AND COLUMNS, ROOF PURLINS, STEEL GIRTS, AND EXISTING BUILDING SLAB.

GENERAL CONTRACTOR TO LOCATE EXISTING PLUMBING LINES IN THIS AREA, REMOVE FROM CONCRETE SLAB AND FILL SLAB WITH LIKE MATERIAL.

FIELD VERIFY LOCATION OF ALL STEEL COLUMNS AND DIMENSIONS OF EXISTING SLAB

IN EXISTING BAY AREA, GENERAL CONTRACTOR TO LOCATE EXISTING FLOOR DRAINS, REMOVE FROM CONCRETE SLAB AND FILL SLAB WITH LIKE MATERIAL.

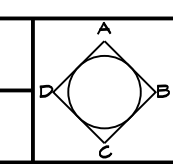
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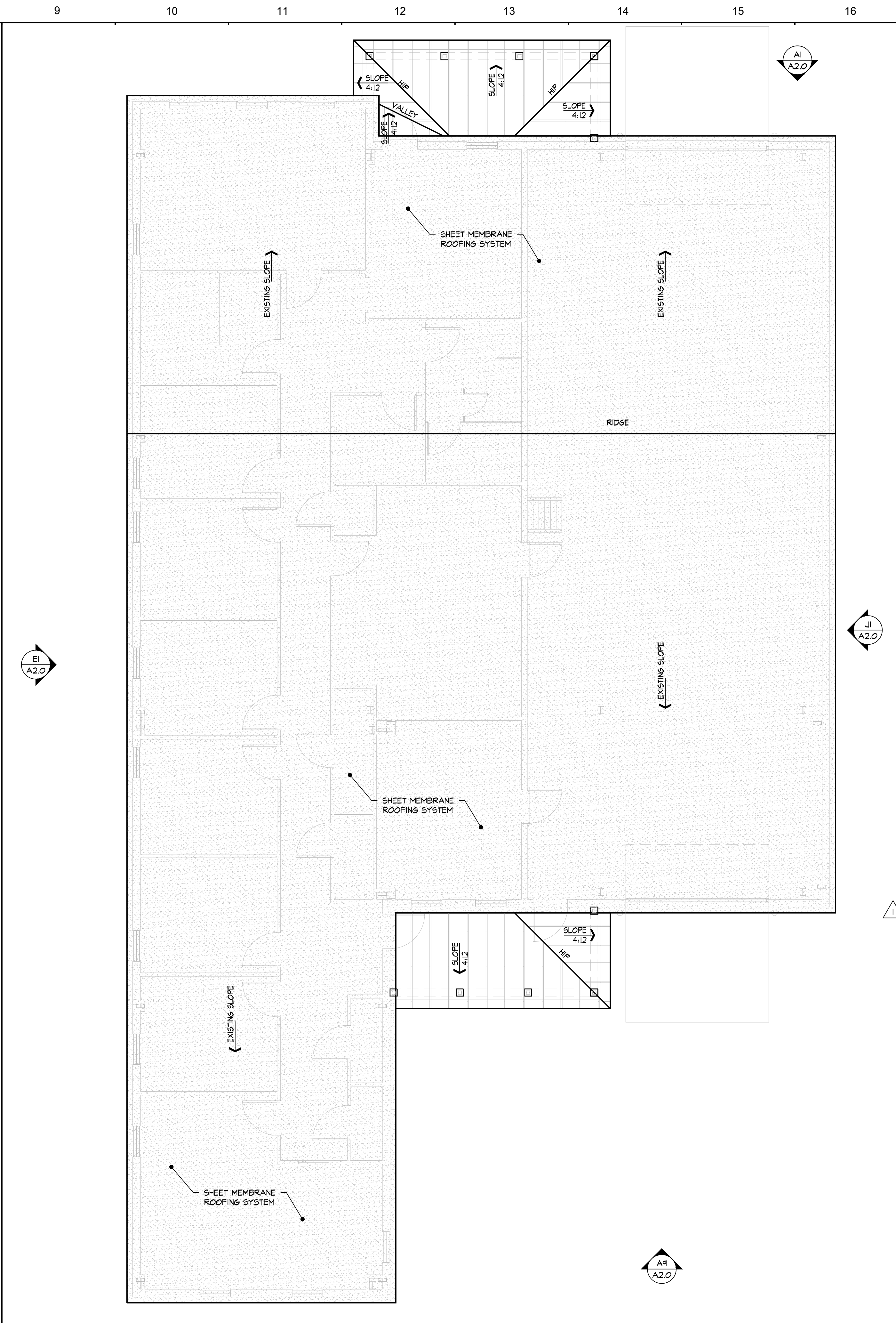
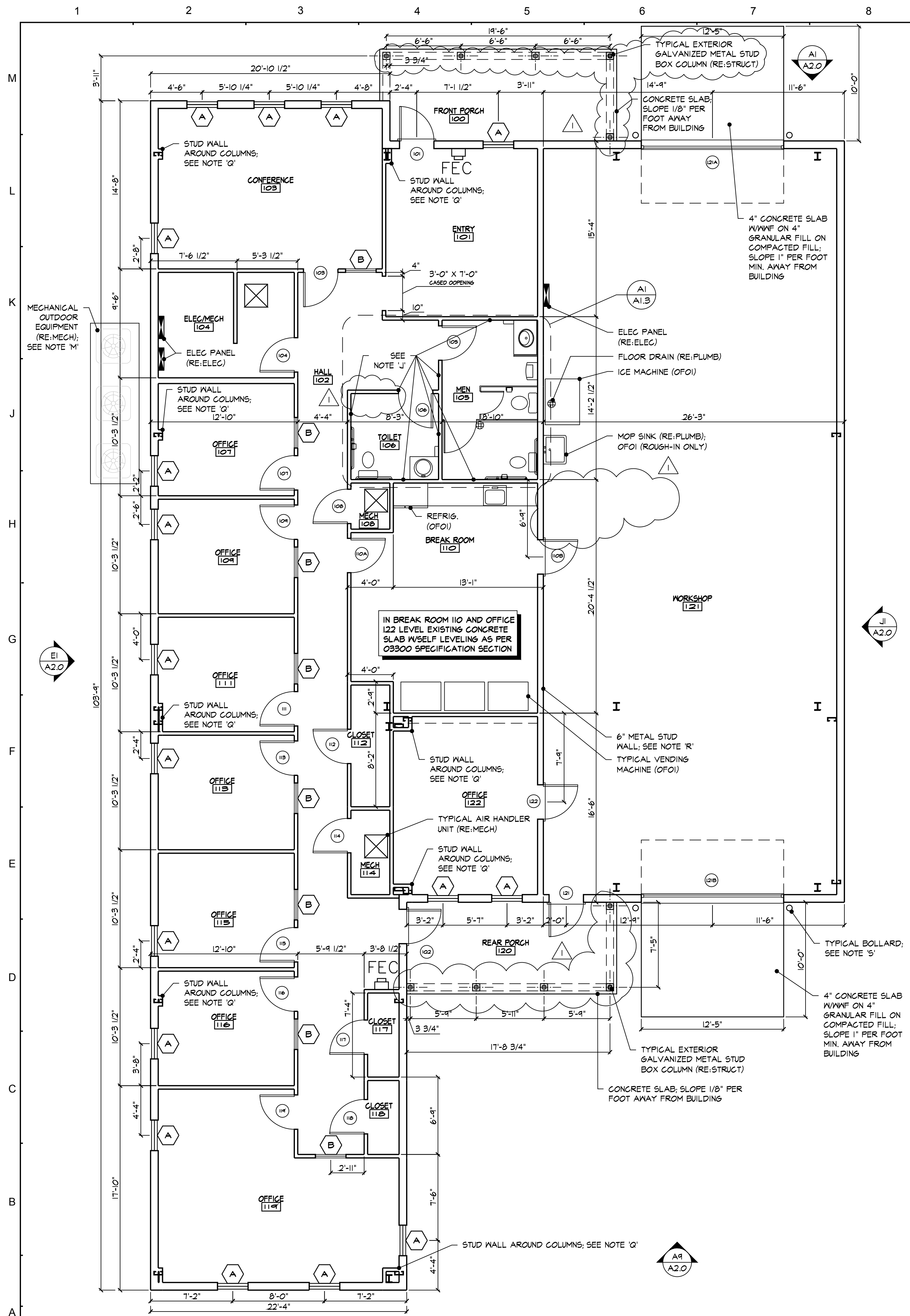
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AN RENOVATION TO THE
13TH AVENUE SOUTH FOR FACILITIES MAINTENANCE
MYRTLE BEACH, SOUTH CAROLINA

2019
03/19/2019
EXISTING FLOOR PLAN /
DEMO PLAN

AD1.0





- ### GENERAL NOTES
- A. DIMENSIONS ARE TO FACE OF METAL STUDS, CENTERLINE OF DOORS, OR CENTERLINE OF WINDOWS, UNLESS NOTED OTHERWISE.
 - B. NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS.
 - C. PROVIDE BLOCKING AT ALL WALL HUNG EQUIPMENT TO INCLUDE, BUT NOT LIMITED TO, GRAB BARS, CASEWORK AND TOILET ACCESSORIES.
 - D. EXTERIOR WALLS SHALL BE 8 INCH METAL STUD. THE WALL BETWEEN THE WORKSHOP AND THE OFFICE SHALL BE A 6 INCH METAL STUD WALL. REFER TO STRUCTURAL DRAWINGS FOR ALL BEARING WALL LOCATIONS.
 - E. ALL HEIGHTS FOR HANDICAP ELEMENTS ARE TO BE IN ACCORDANCE WITH THE ADA FOR MAKING FACILITIES ACCESSIBLE AND USABLE FOR PHYSICALLY HANDICAPPED PEOPLE. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND PROPER INSTALLATION OF ALL RELATED ELEMENTS.
 - F. THE PLAN CUT IS TAKEN AT 4'-6" AFF.
 - G. PROVIDE MINIMUM OF 18" CLEAR ON THE PULL SIDE AND 12" CLEAR ON THE PUSH SIDE OF ALL ACCESSIBLE DOORS.
 - H. COORDINATE AND ALIGN STUD FRAMING WITH THE THICKNESS OF FINISH WALL MATERIAL SO THAT THE FINISH WALL IS IN A CONTINUOUS SMOOTH PLANE.
 - I. THE TYPICAL LOCATION OF ALL INTERIOR DOORS SHALL BE 6" FROM THE ADJACENT WALL UNLESS OTHERWISE NOTED.
 - J. ALL WALLS AND GYPSUM WALL BOARD SURROUNDING MEN 105 AND TOILET 106 SHALL EXTEND FROM TOP OF SLAB TO UNDERSIDE OF ROOF DECK.
 - K. ALL INTERIOR WALLS SHALL BE 3-5/8 INCH METAL STUDS. INTERIOR WALLS SHALL EXTEND 6" ABOVE HEIGHT OF ACOUSTIC CEILING UNITS (ACT). BRACE ALL NEW WALLS WITH METAL STUDS FROM TOP OF WALL TO UNDERSIDE OF ROOF TRUSSES OR STRUCTURE ABOVE 48" O.C.; SEE F4/A1.3.
 - L. FE = FIRE EXTINGUISHER; SEMI-RECESSED. FINAL LOCATION TO BE APPROVED BY BOTH ARCHITECT AND LOCAL FIRE INSPECTOR.
 - M. PROVIDE 4" CONCRETE PAD ON COMPACTED SOIL FOR ALL MECHANICAL UNITS. THE PAD SHOULD EXTEND 6" BEYOND EACH EDGE OF THE OVERALL CONFIGURATION. THE PAD SHOULD BE 12" MIN. OFF EDGE OF BUILDING.
 - N. INSULATE ALL PIPE IN UNCONDITIONED SPACES.
 - O. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
 - P. FIELD VERIFY ALL EXISTING LOCATIONS OF WINDOWS, WALLS, AND DOORS.
 - Q. PROVIDE 3-5/8" STUD WALLS AROUND 'C' CHANNEL AND 'W' SHAPE COLUMNS IN LOCATIONS AS SHOWN. INSTALL WALLS AS CLOSE AS POSSIBLE TO COLUMNS TO MINIMIZE SIZE OF COLUMN ENCLOSURE.
 - R. 6" METAL STUD DIVIDING WALL SHALL EXTEND FROM TOP OF SLAB TO UNDERSIDE OF ROOF DECK WITH GYPSUM WALL BOARD ON EACH SIDE EXTENDING FROM TOP OF SLAB TO UNDERSIDE OF ROOF DECK. PROVIDE 3'-0" WIDE BY 7'-0" HIGH (FIELD VERIFY AVAILABLE HEIGHT) OPENINGS FOR ACCESS TO ATTIC STORAGE AREA. SHIPS LADDER, BY OWNER, TO BE INSTALLED AT OPENING LOCATION.
 - S. 6" STEEL TUBE BOLLARD FILLED WITH CONCRETE 48" OUT OF THE GROUND WITH ROUNDED TOP AND PAINTED SAFETY YELLOW. LOCATE ONE ON EACH SIDE OF DOOR; PROVIDE (2) FOR EACH OVERHEAD DOOR UNIT. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.

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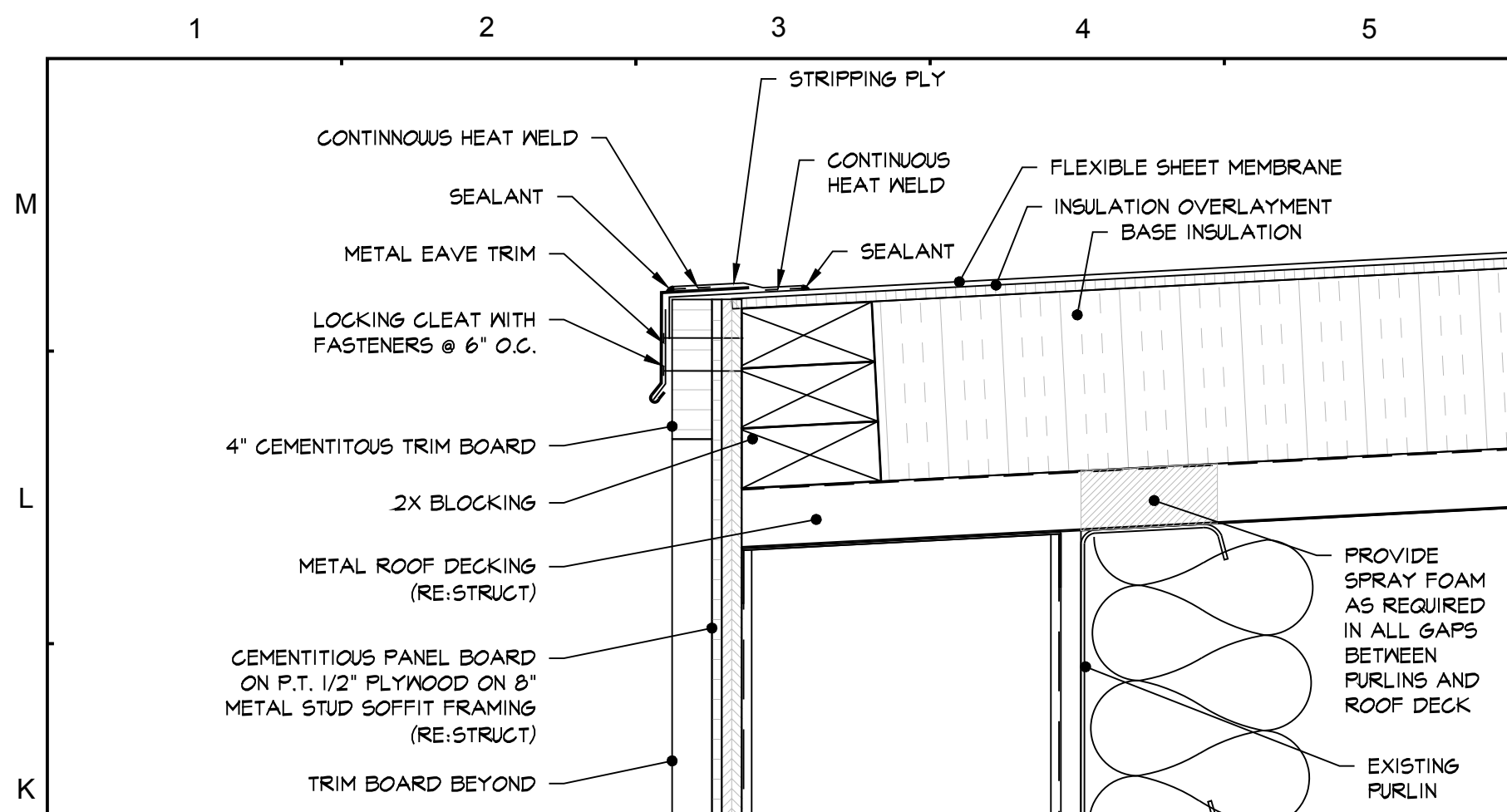
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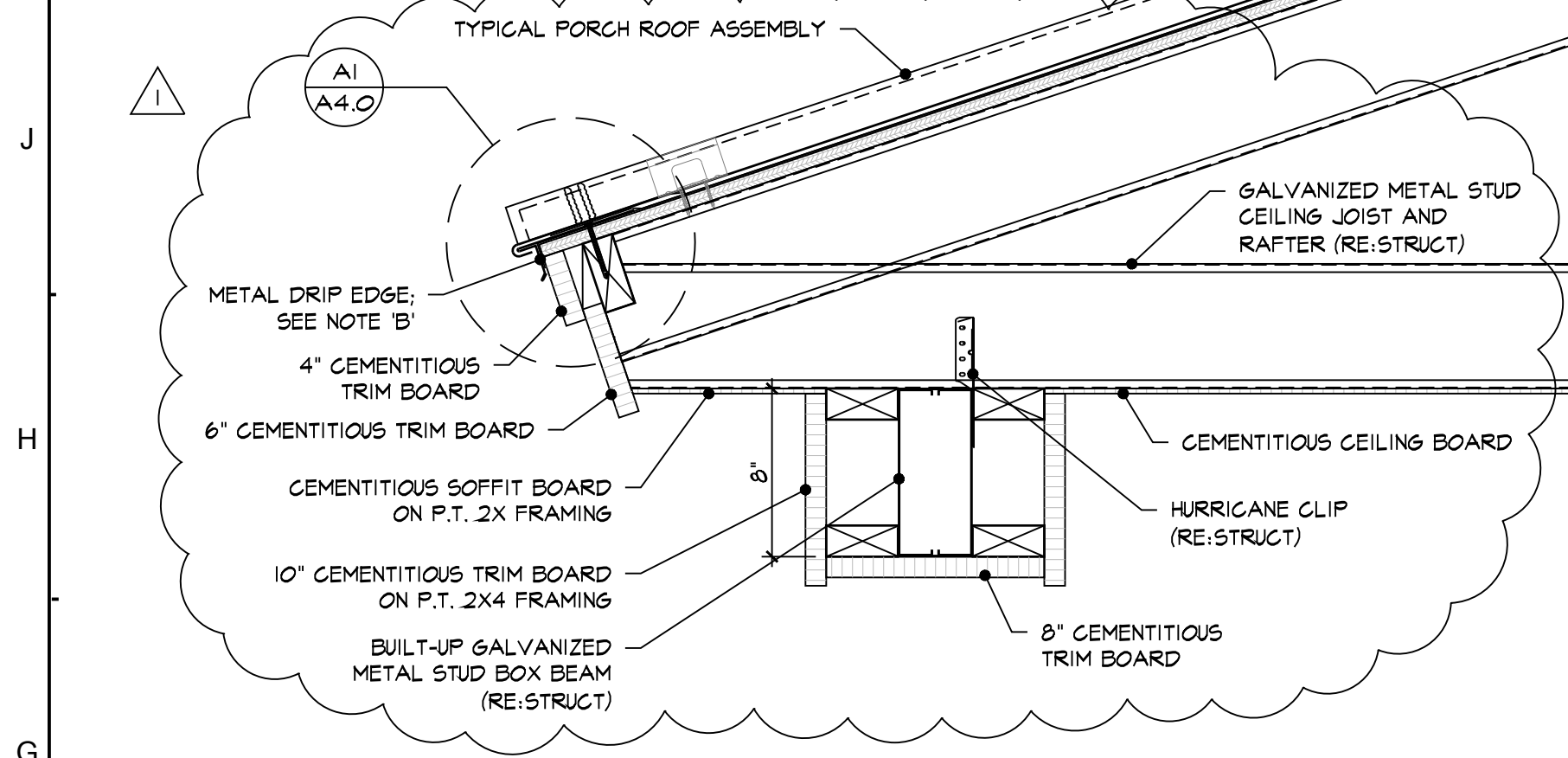
A1 FLOOR PLAN
SCALE: 3/16" = 1'-0"

A9 EXISTING FLOOR PLAN
SCALE: 3/16" = 1'-0"

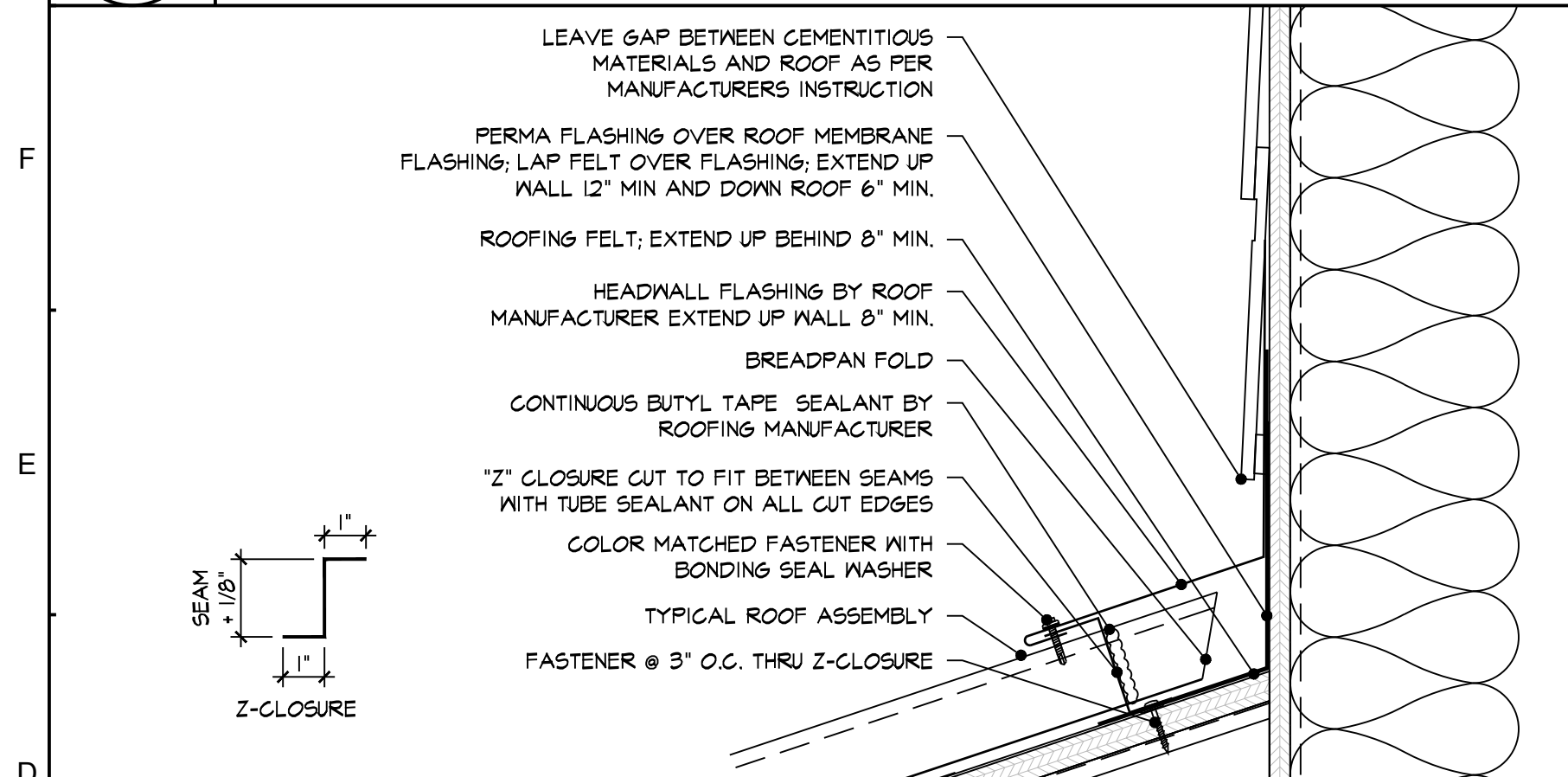
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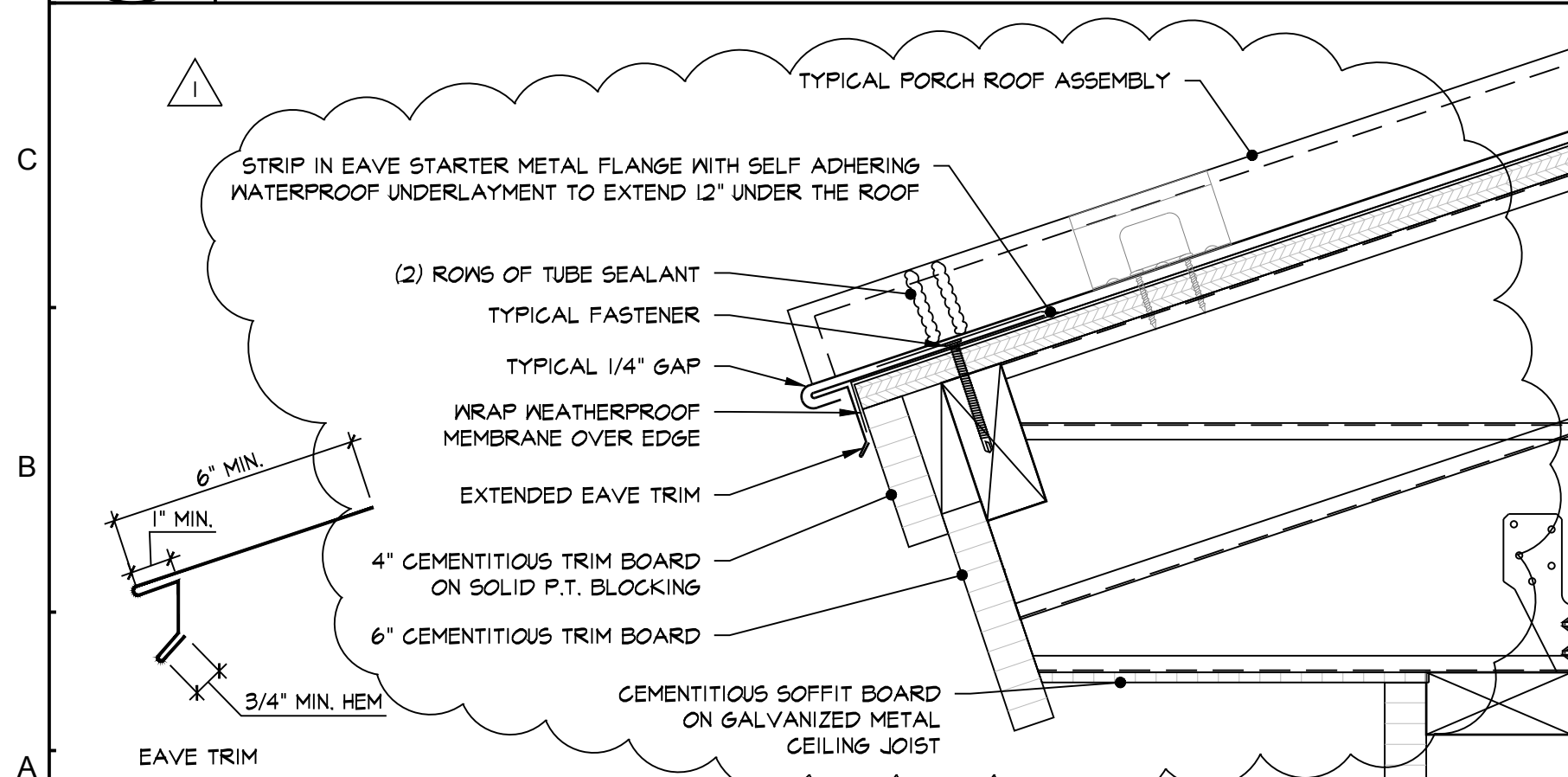
K1 **TYPICAL ROOF EDGE**
A4.0 SCALE: 3"=1'-0"



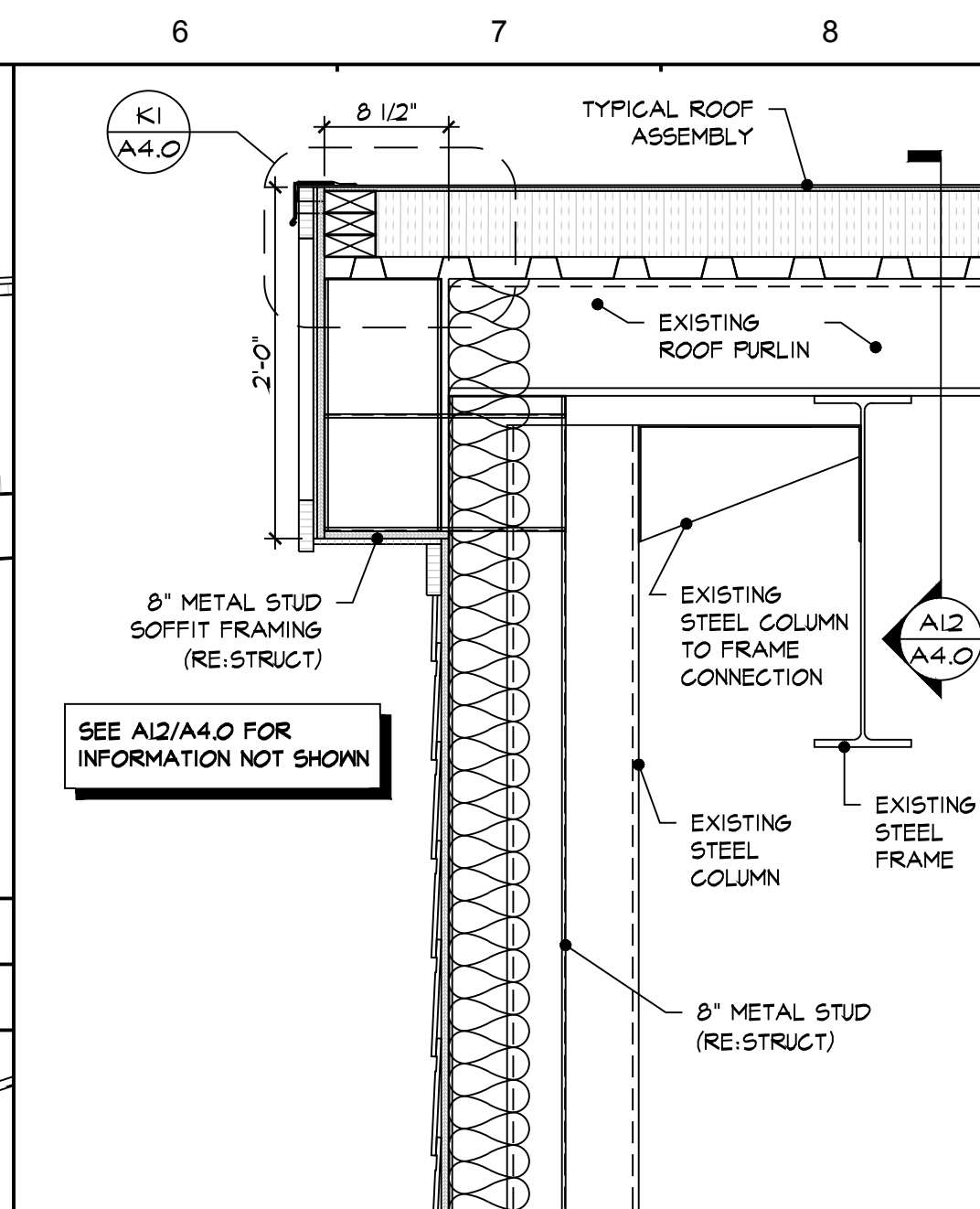
G1 **TYPICAL PORCH EAVE BETWEEN POSTS**
A4.0 SCALE: 1 1/2"=1'-0"



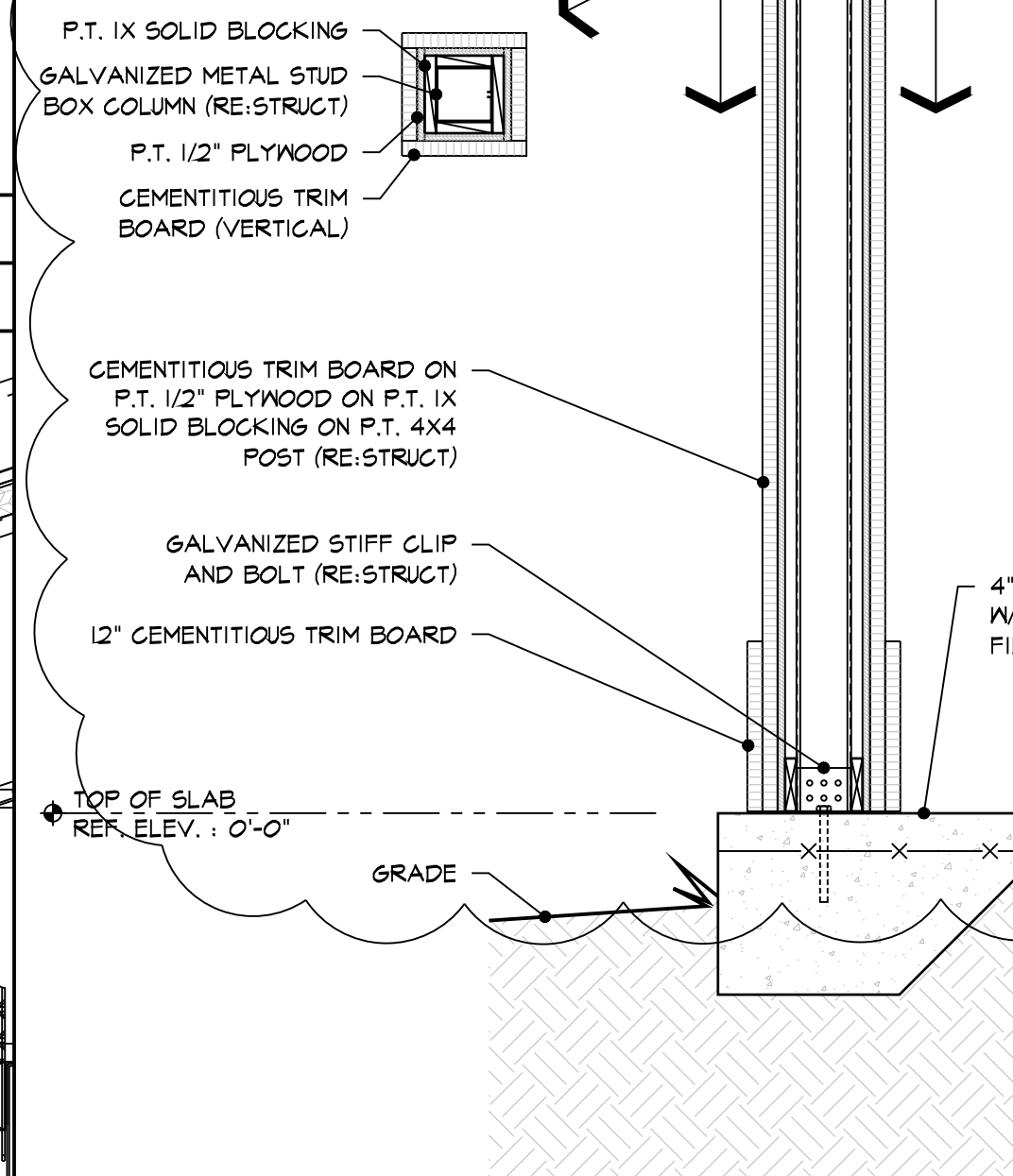
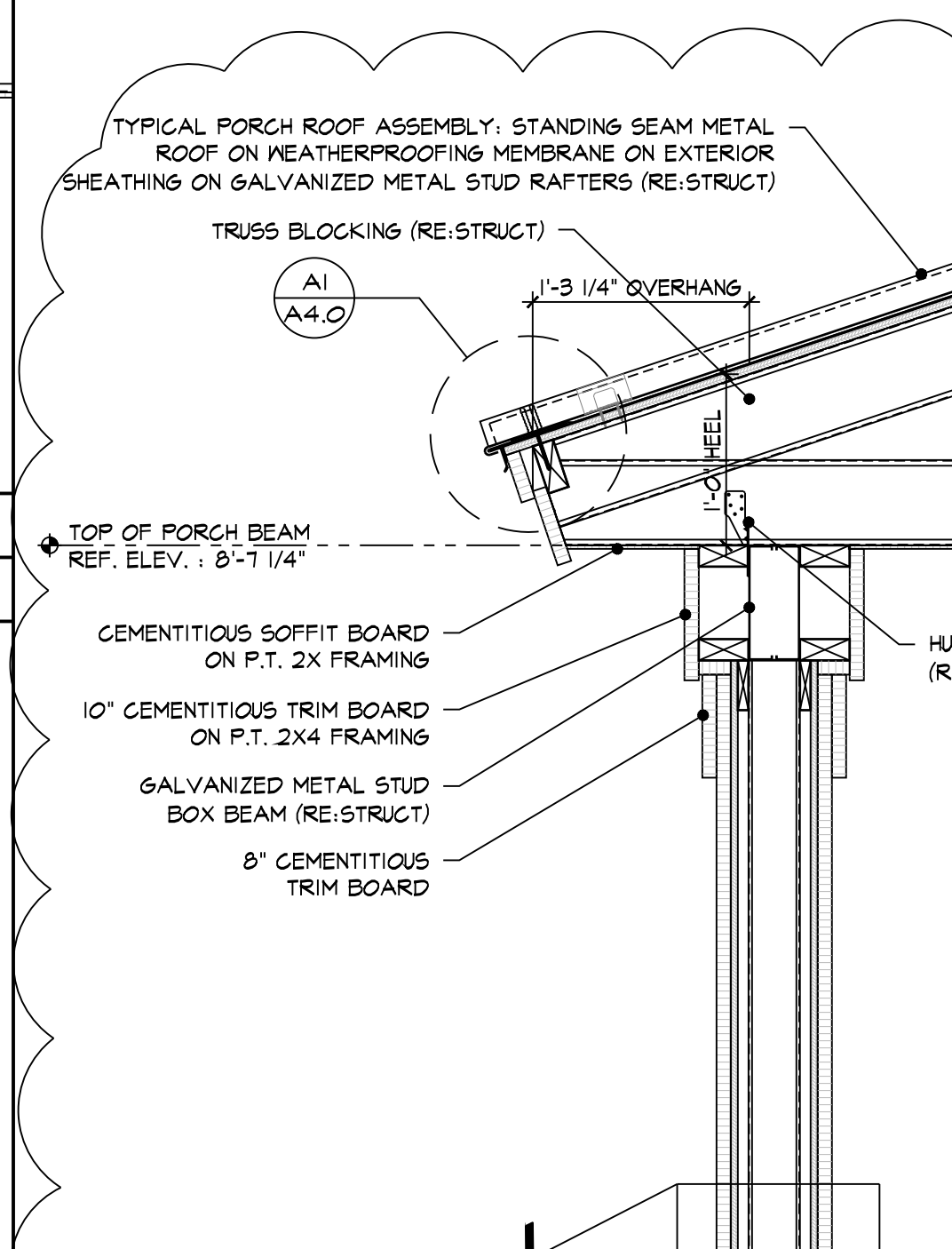
D1 **TYPICAL ROOF TO WALL CONNECTION**
A4.0 SCALE: 3"=1'-0"



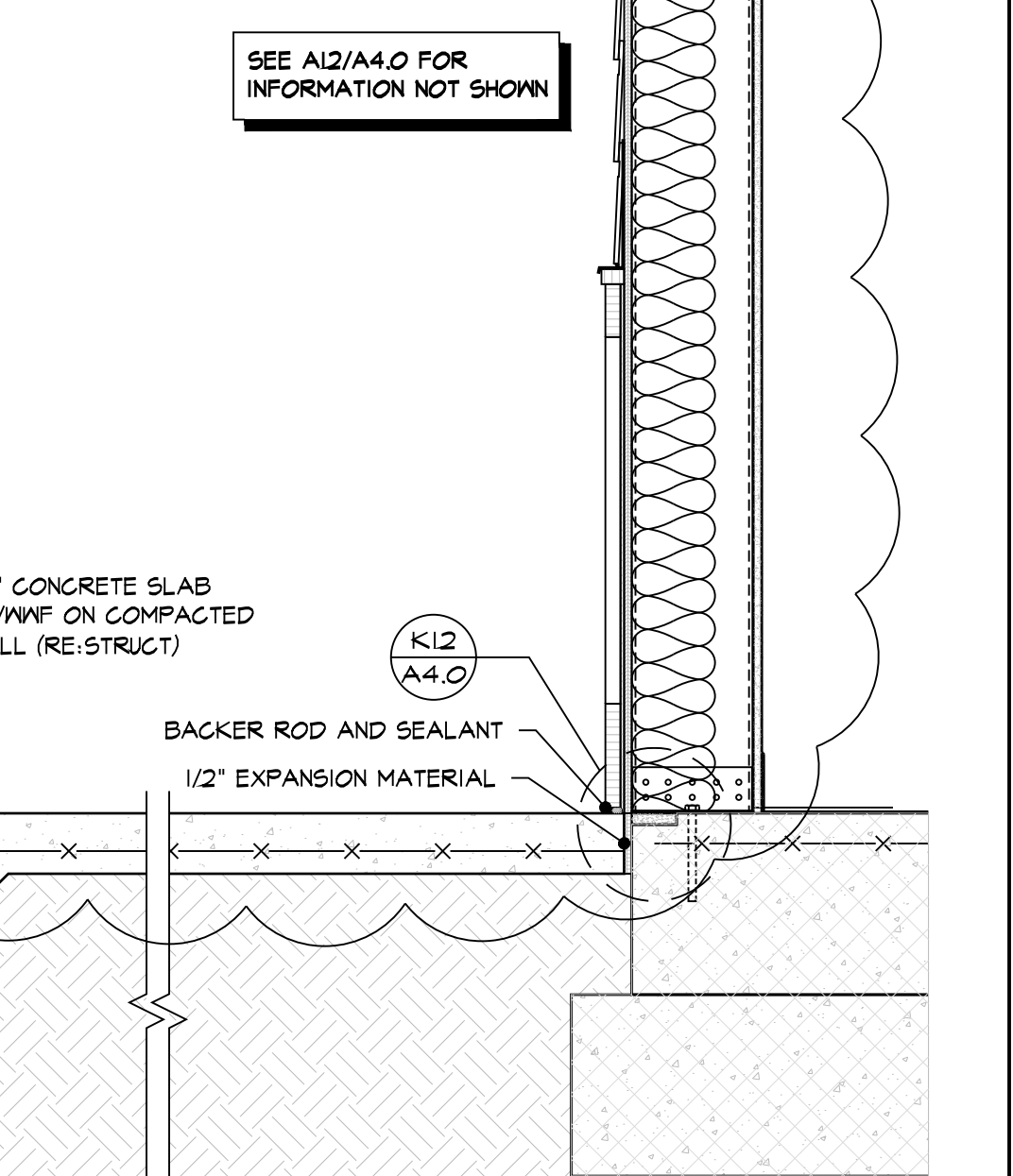
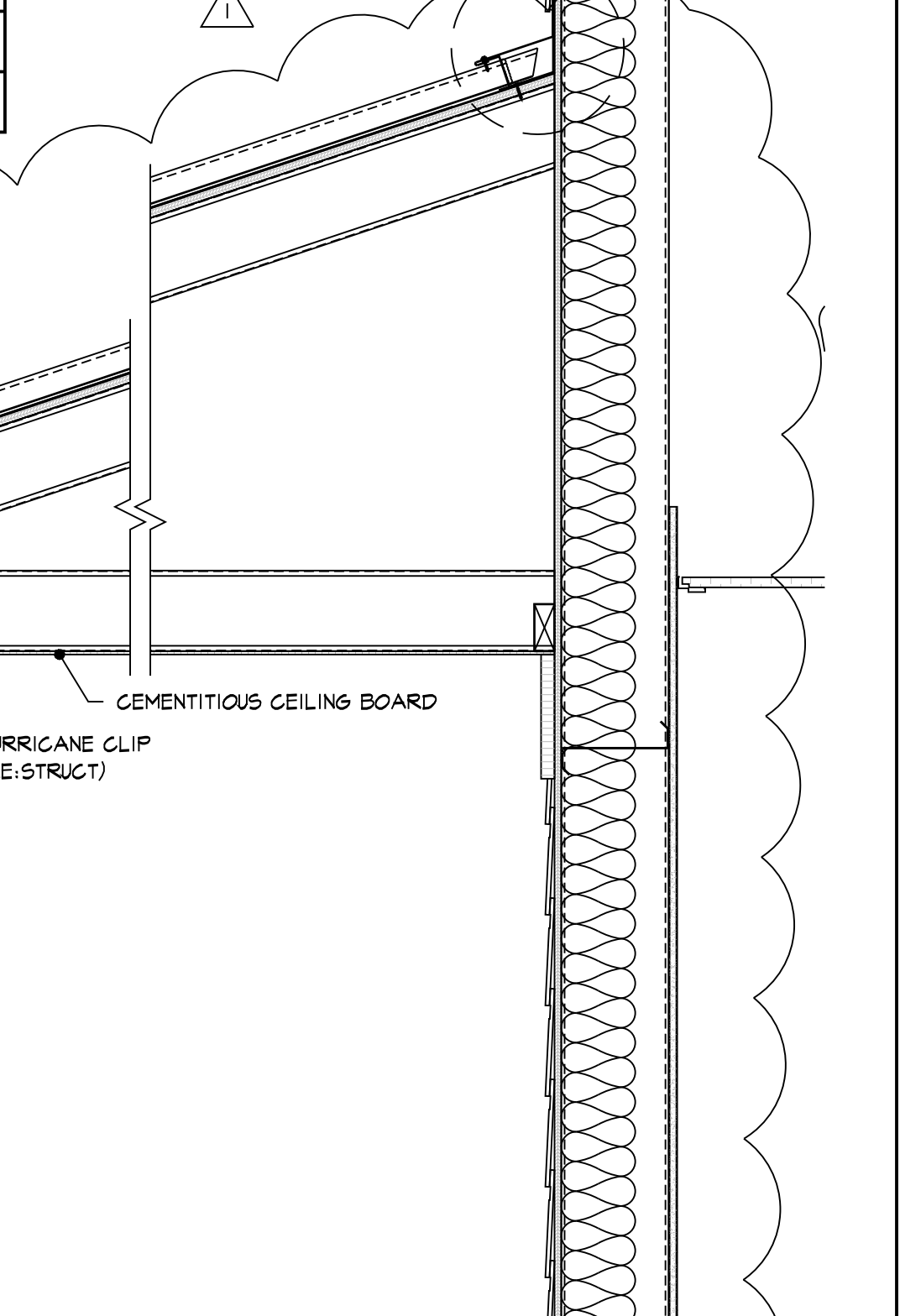
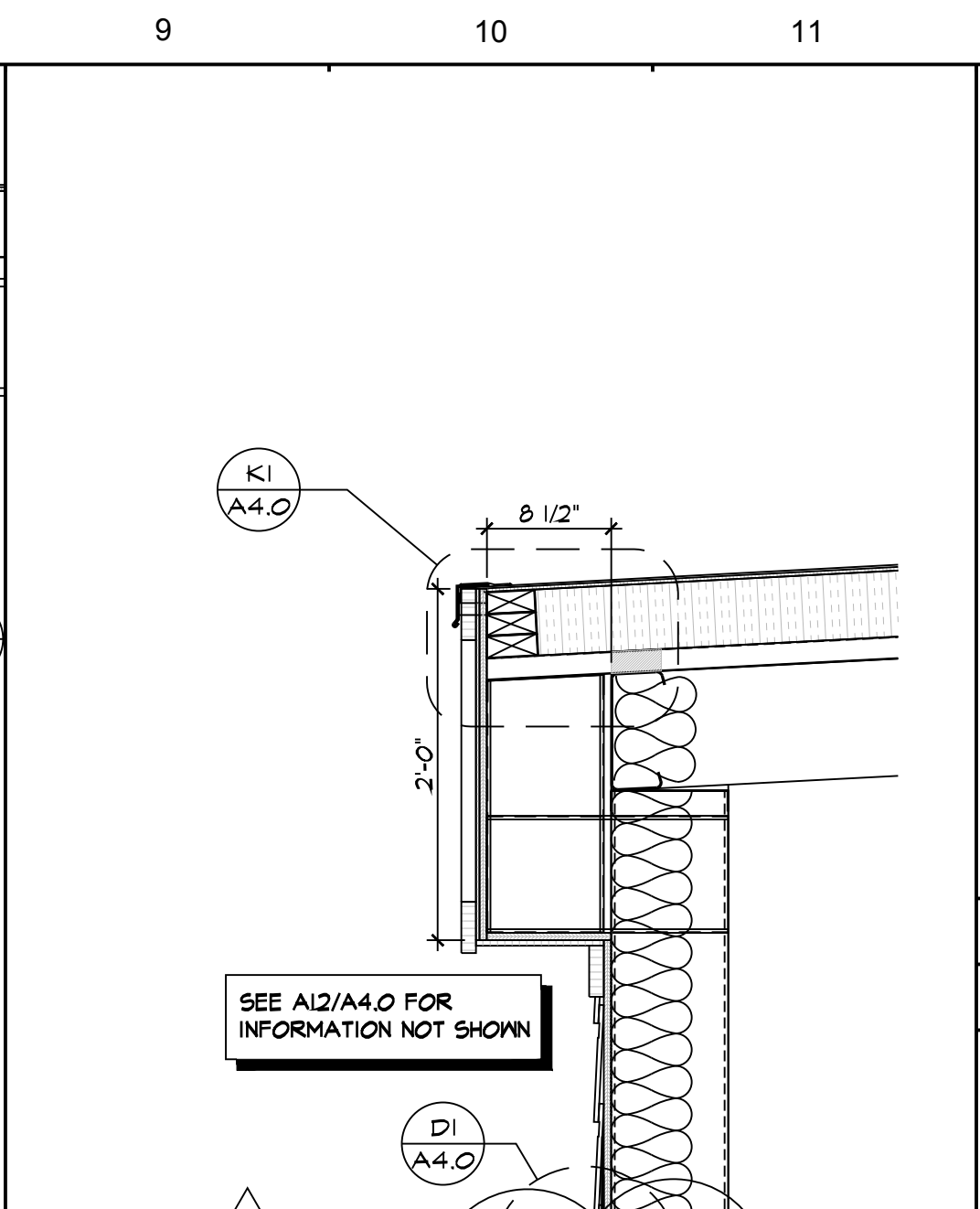
A1 **TYPICAL PORCH EAVE**
A4.0 SCALE: 3"=1'-0"



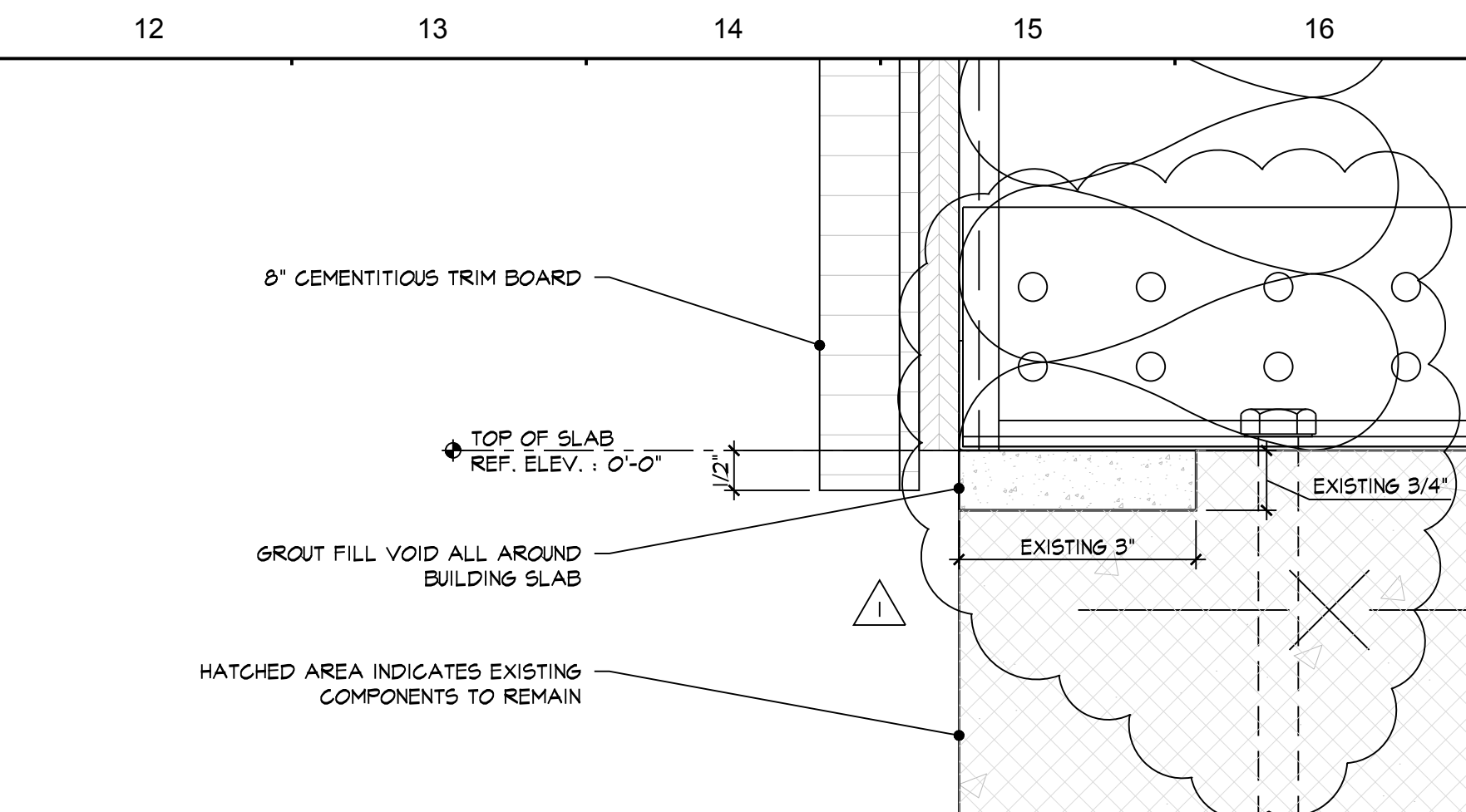
J5 **TYPICAL ROOF SOFFIT**
A4.0 SCALE: 3"=1'-0"



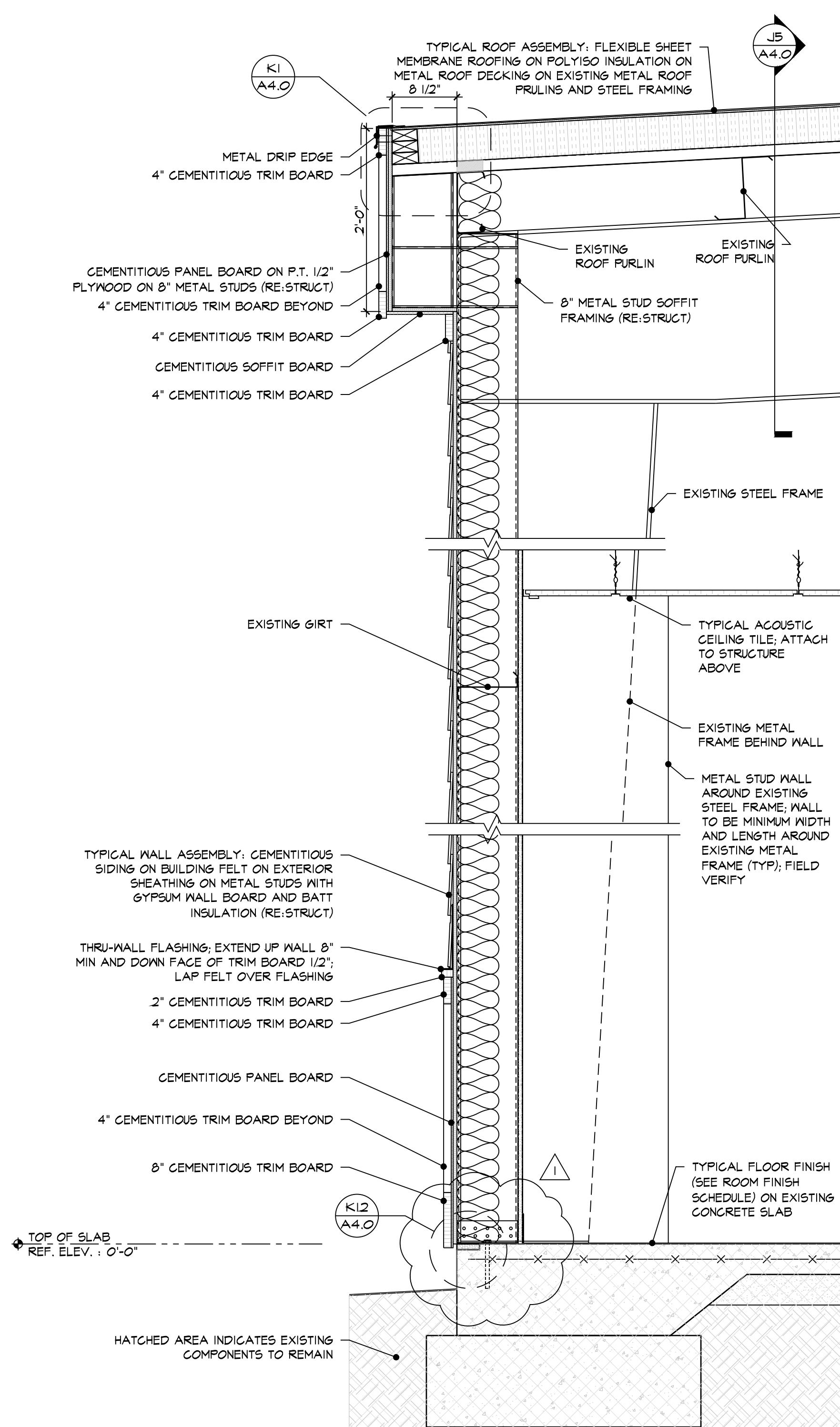
A5 **BUILDING ELEVATION**
A4.0 SCALE: 1"=1'-0"



A12 **BUILDING ELEVATION**
A4.0 SCALE: 1"=1'-0"



K12 **TYPICAL SLAB EDGE**
A4.0 SCALE: 3"=1'-0"



A12 **BUILDING ELEVATION**
A4.0 SCALE: 1"=1'-0"

GENERAL NOTES

- NOTIFY ARCHITECT IMMEDIATELY UPON DISCOVERY OF ANY CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS.
- METAL DRIP EDGE BY ROOFING MANUFACTURER; ATTACH W/2) FASTENERS INTO SOLID SURFACE EVERY 24" O.C. ALL ROOF T
- DISSIMILAR METAL ARE TO BE USED IN CONJUNCTION WITH STEEL SHELF ANGLES OR LINTELS TO NEGATE THE POTENTIAL FOR GALVANIC ACTION BETWEEN THE METALS.
- ALL METAL STUDS AND CHANNELS IN SOFFITS, EXTERIOR BEAMS, EXTERIOR COLUMNS, ETC. THAT ARE OUTSIDE OF THE BUILDING ENVELOPE SHALL BE GALVANIZED.

REVISION	DATE
1	03/28/19

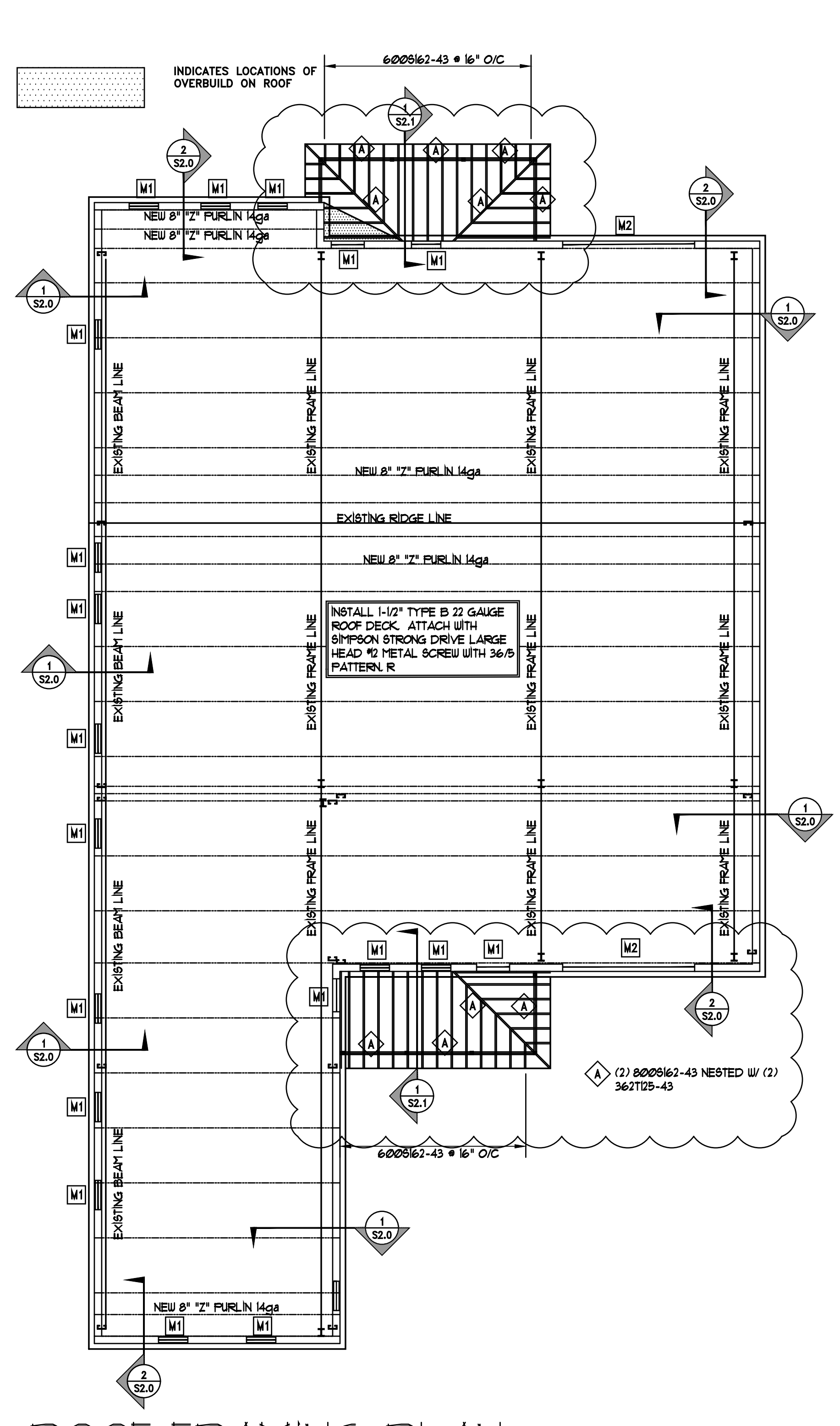
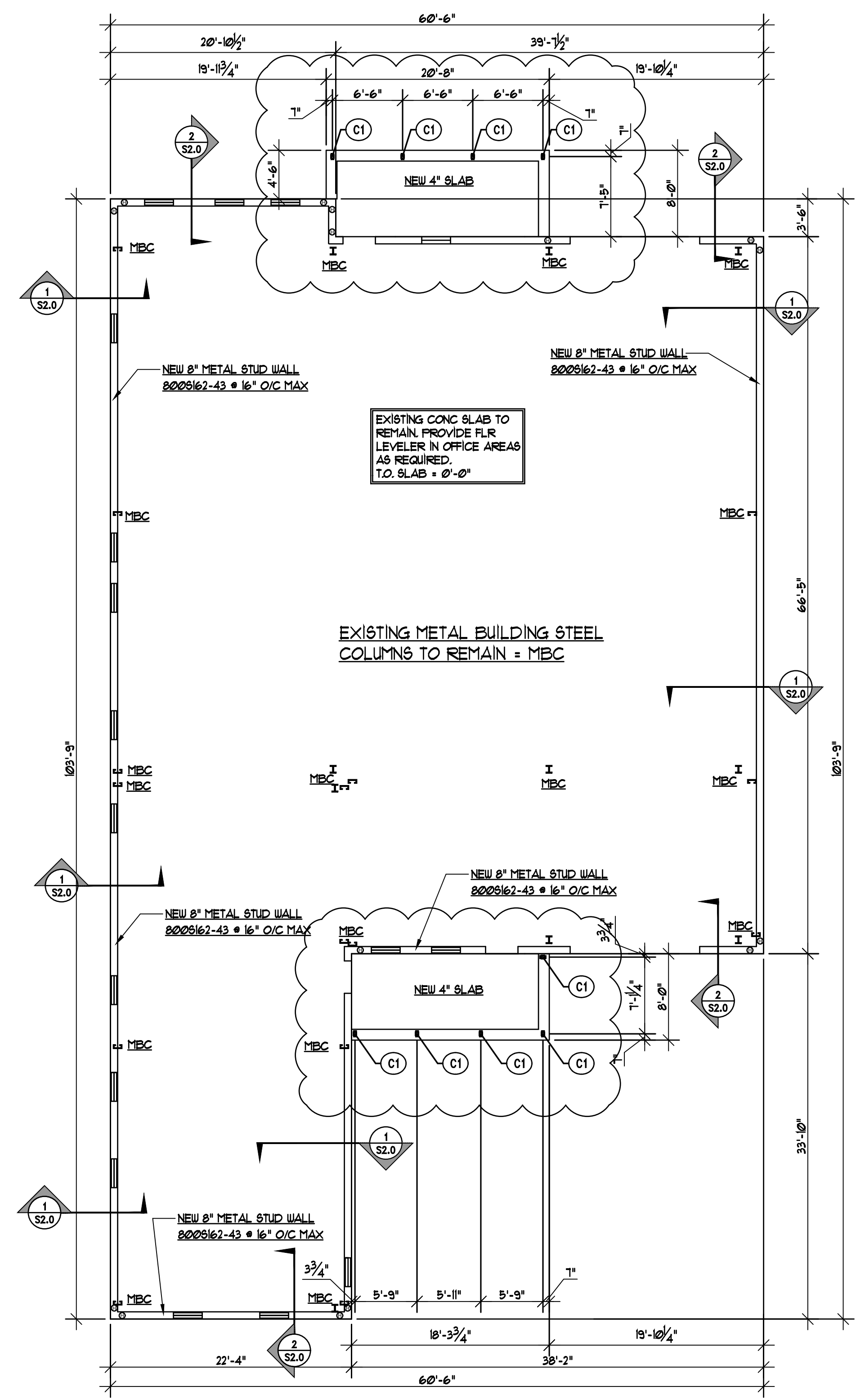
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AN RENOVATION TO THE
13TH AVENUE SOUTH FOR FACILITIES MAINTENANCE
MYRTLE BEACH, SOUTH CAROLINA

2019
03/19/2019
WALL SECTIONS
A4.0

GENERAL NOTES



LOAD TABLE

2015 INTERNATIONAL BUILDING CODE AND ASCE 7-10
RISK CATEGORY II

LIVE LOADS:

- FLOOR LOADS: (ASCE Table 4-1) 100 p.s.f.
- ROOF LOADS:
 - A. Basic roof live load = 20 p.s.f.
- PARTITIONS: (ASCE Section 4.22) 10 p.s.f.
 - A. Partition load =

DEAD LOADS:

- USE ACTUAL DEAD LOADS OF MATERIALS

SNOW LOADS:

GROUND SNOW LOAD - $P_g = 10$
 SNOW LOAD IMPORTANCE FACTOR - $I_s = 1.0$
 SNOW EXPOSURE FACTOR - $C_e = 1.0$
 THERMAL FACTOR - $C_t = 1.0$
 FLAT-ROOF SNOW LOAD - $P_f = 7.0$ p.s.f.

WIND LOADS:

BASIC WIND SPEED (ULT) = 150 (mph)
 BASIC WIND SPEED (ASD) = 116 (mph)
 WIND EXPOSURE = C
 INTERNAL PRESSURE COEFFICIENT
 Enclosed Building +/- 0.18

WIND BORNE DEBRIS REGION - ALL GLAZING TO MEET LARGE MISSILE IMPACT ASTM 1996

- DESIGN WIND PRESSURES:
 - A. Main Windforce Resisting System = $(q_h) = 32.8$
 - B. Components and Cladding

ZONE	PRESSURE	SUCTION
ROOF ZONE ①	12.72 PSF	-31.26 PSF
ROOF ZONE ②	12.72 PSF	-52.46 PSF
ROOF ZONE ③	12.72 PSF	-78.95 PSF
WALL ZONE ④	28.61 PSF	-31.00 PSF
WALL ZONE ⑤	28.61 PSF	-38.15 PSF

α = width of pressure coeff. zone = 6'-0"
 Roof Net Uplift = Zone Suction - 20 psf
 DP RATING - WALL ZONE 4 & 5 = 40 psf

WALL AND ROOF ZONE DIAGRAM (7° < HIP ROOF SLOPE ≤ 27°)

- Interior Zones: Roofs - Zone 1, Walls - Zone 4
- End Zones: Roofs - Zone 2, Walls - Zone 5
- Corner Zones: Roofs - Zone 3

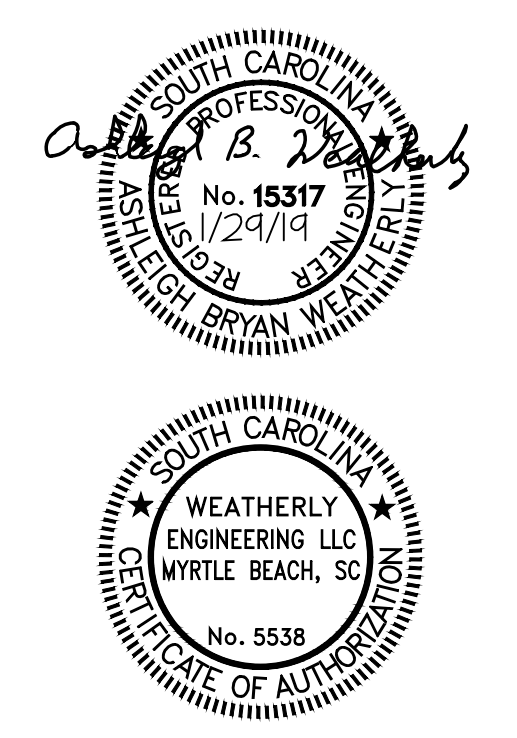
SEISMIC LOADS:

SITE CLASS - D (ASCE Chapter 20)
 SPECTRAL RESPONSE ACCELERATIONS (ASCE Figure 22-1 & 22-2)
 $S_a = 0.484$ $S_1 = 0.173$
 SPECTRAL RESPONSE COEFFICIENTS (ASCE Section 11.4.4)
 $S_{ds} = 0.456$ $S_{d1} = 0.243$
 SEISMIC IMPORTANCE FACTOR - $I_e = 1.00$ (ASCE Table 11.5-1)
 SEISMIC DESIGN CATEGORY = D (ASCE Table 11.6-1 & 11.6-2)
 BASIC SEISMIC-FORCE RESISTING SYSTEM = (ASCE Table 12.2-1)
 Light framed walls w/ plywood shear panels
 SEISMIC RESPONSE COEFFICIENT - $C_s = 0.070$ (ASCE Section 12.8.1.1)
 RESPONSE MODIFICATION FACTOR - $R = 6.5$ (ASCE Table 12.2-1)
 DESIGN BASE SHEAR - 17 kips (ASCE Section 12.8)
 ANALYSIS PROCEDURE - EQUIVALENT FORCE METHOD

NOTE: ALL DIM. ARE TO BE FIELD VERIFIED. EXTERIOR FACE OF NEW METAL STUD WALLS TO ALIGN W/ EDGE OF EXISTING SLAB.
 © - DENOTES HEAVY DUTY UPLIFT ANCHOR LOCATIONS (SEE DETAIL S/4/D8 ON SHEET S3.0)

MARK	COLUMN	BEARING PLATE			ANCHOR BOLTS
		THICK	WIDTH	LENGTH	
C1	GAUGE METAL BOX COLUMN (2) 3629162-54 W/ (2) 362150-54 SEE DETAIL SHEET S3.0				

©1 DENOTES COLUMN DESIGNATION ON PLAN



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MYRTLE BEACH, SOUTH CAROLINA



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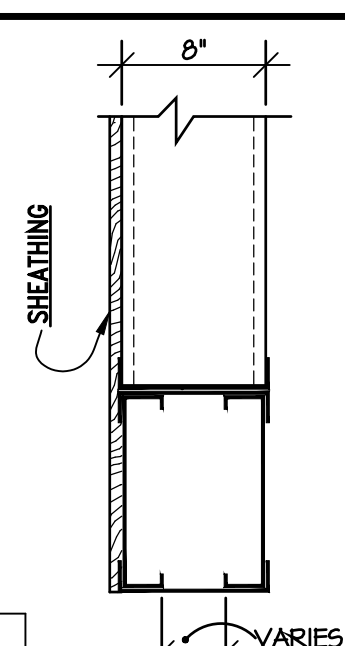
19-111
03/08/2019
FOUNDATION/ROOF PLAN

S1.0

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

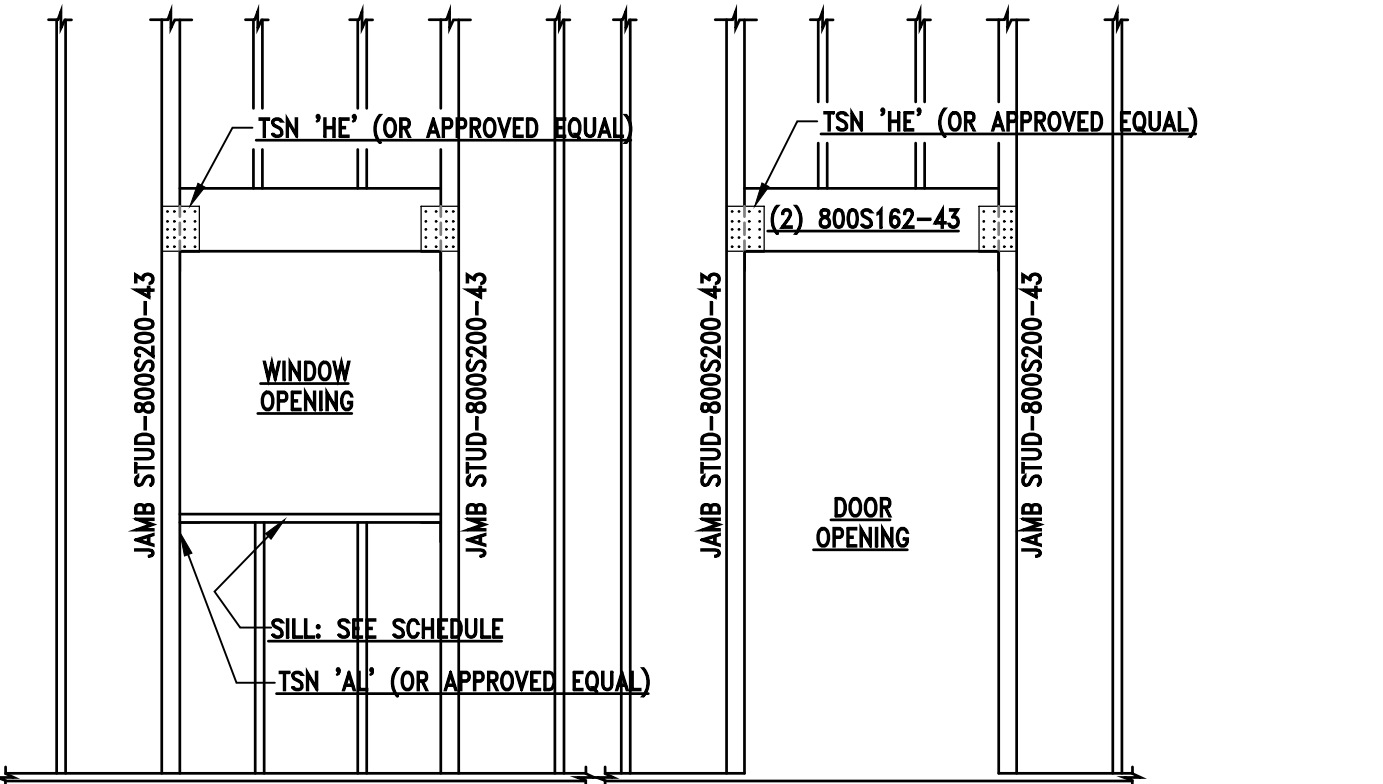
GENERAL NOTES

6" METAL STUD LINTEL SCHEDULE

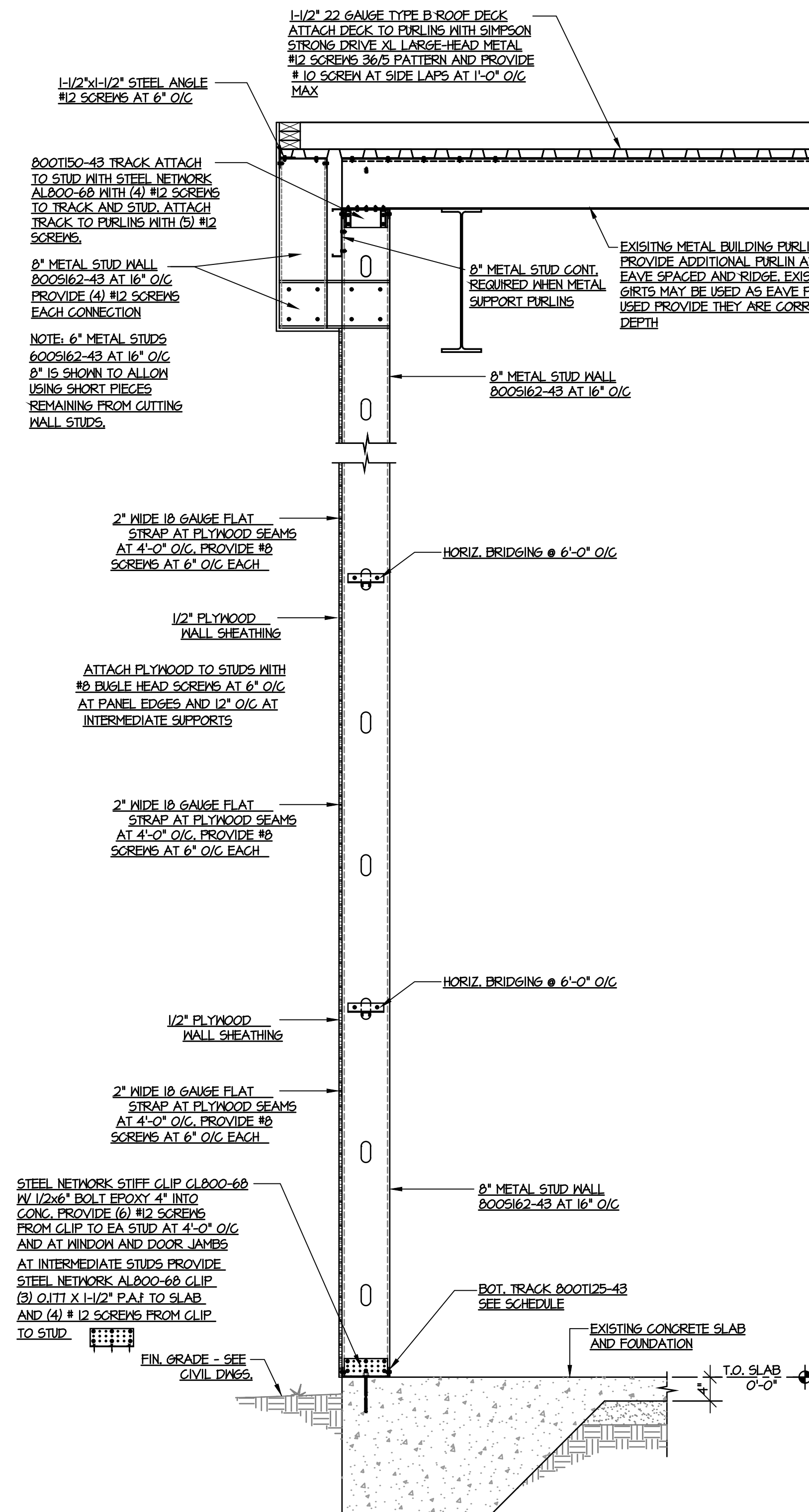
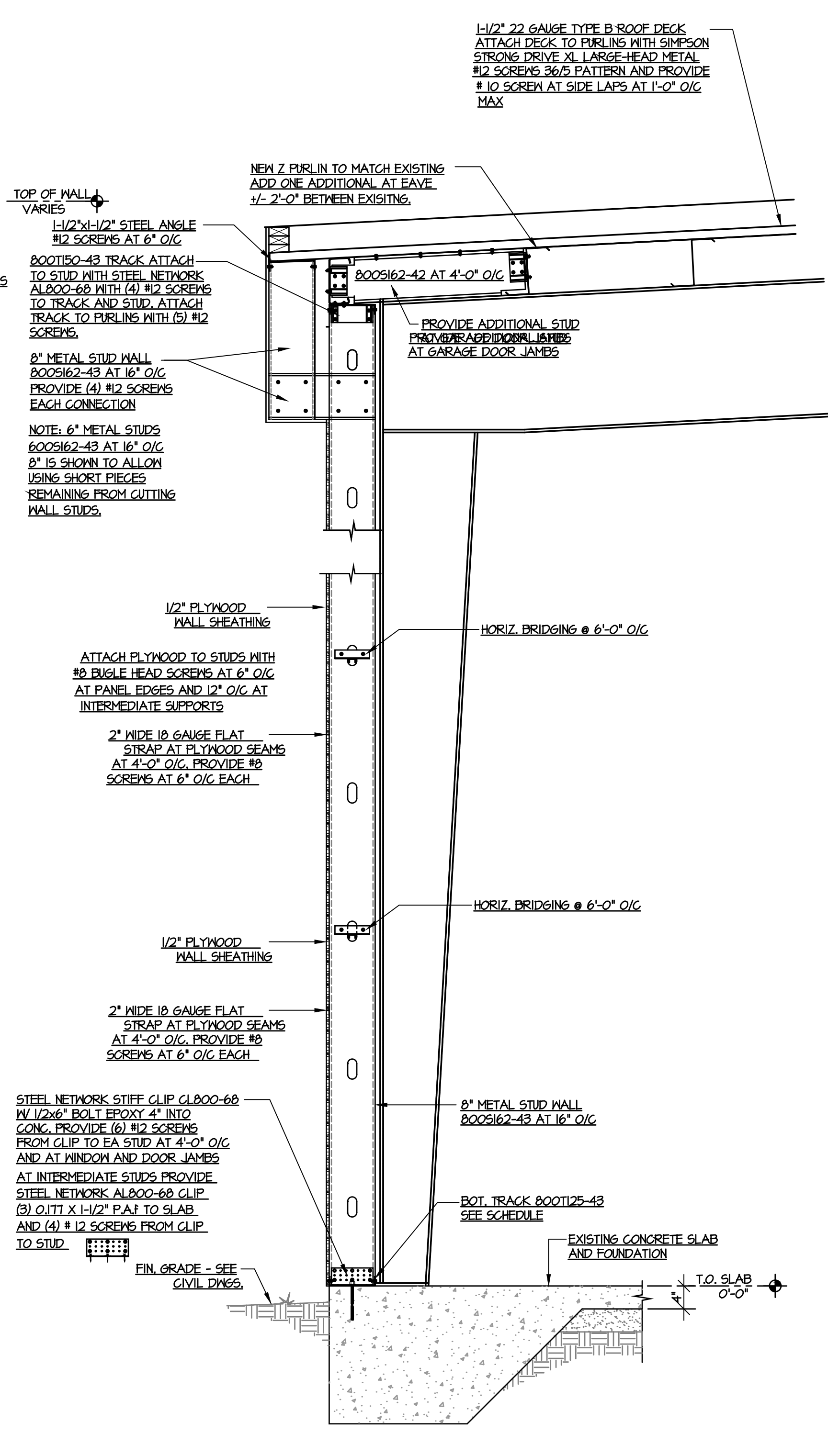
MARK	LINTEL DESCRIPTION	REFERENCE DIAGRAM	DIAGRAMS
M1	(2) 8" - 18 GAUGE METAL STUDS W/ TRACKS	DIAGRAM A	
M2	(2) 12" - 14 GAUGE METAL STUDS W/ TRACKS	DIAGRAM A	

CONTRACTOR'S NOTES:
 1. SEE ARCHITECTURAL DRAWINGS FOR WALL WIDTHS AND VENEER COURSING.

LINTEL BEARING DETAILS

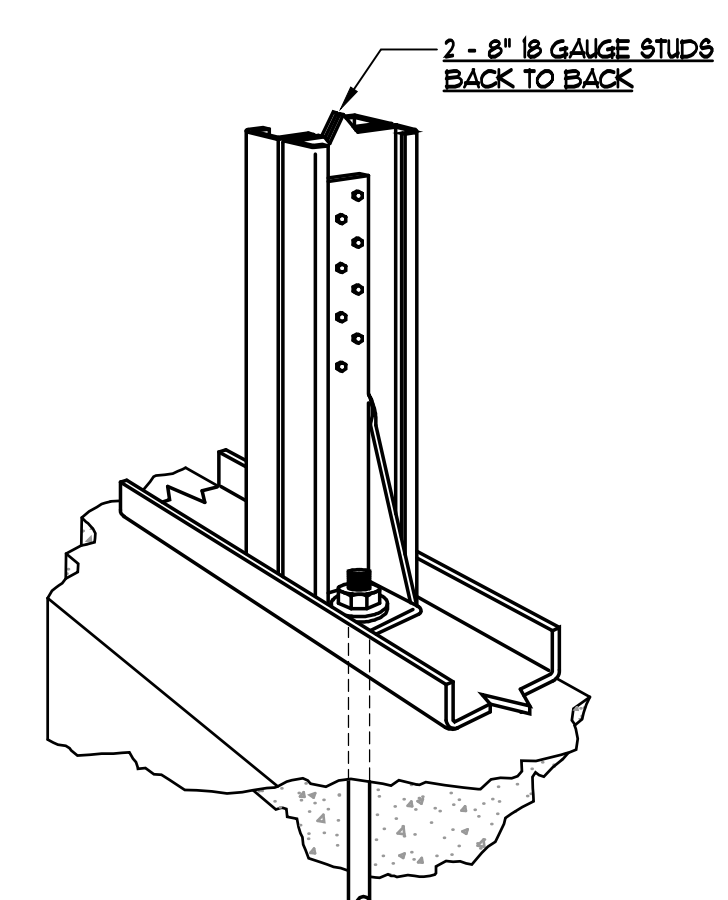


TYPICAL METAL STUD LINTEL BEARING DETAIL
NO SCALE

SECTION 1
SCALE: 3/4" = 1'-0" S2.0

SECTION 2
SCALE: 3/4" = 1'-0" S2.0



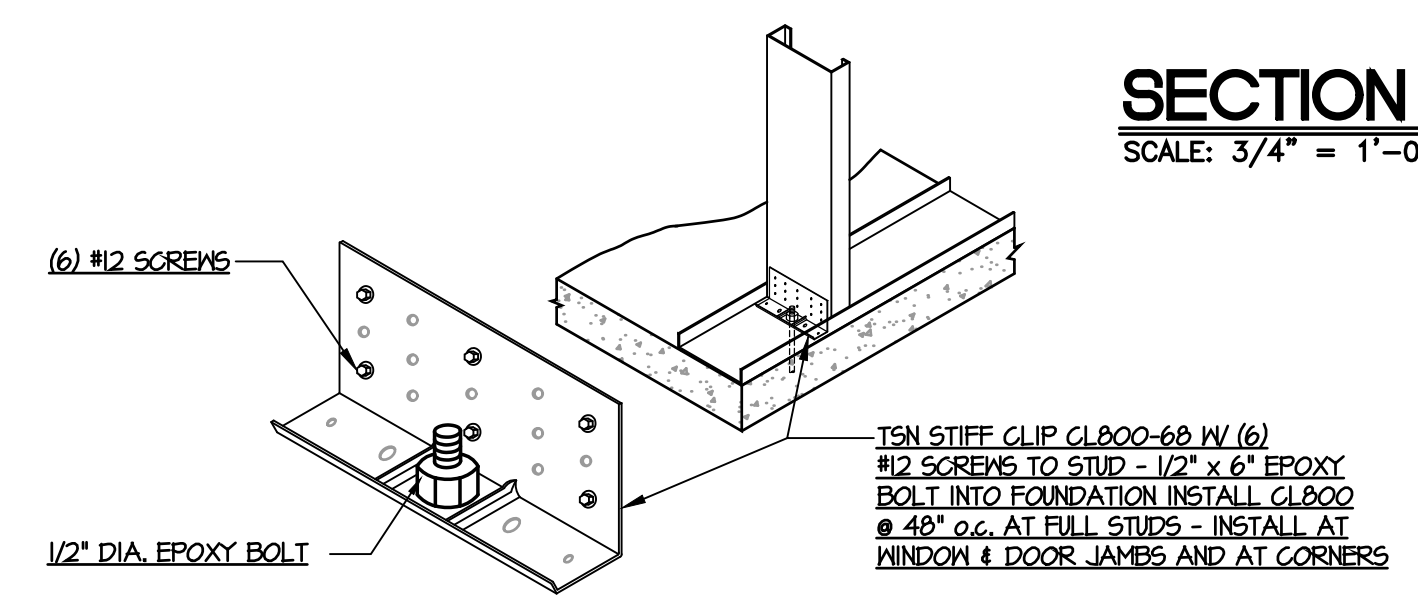
2 - 8" 18 GAUGE STUDS
BACK TO BACK

SEE FOUNDATION PLAN FOR LOCATIONS

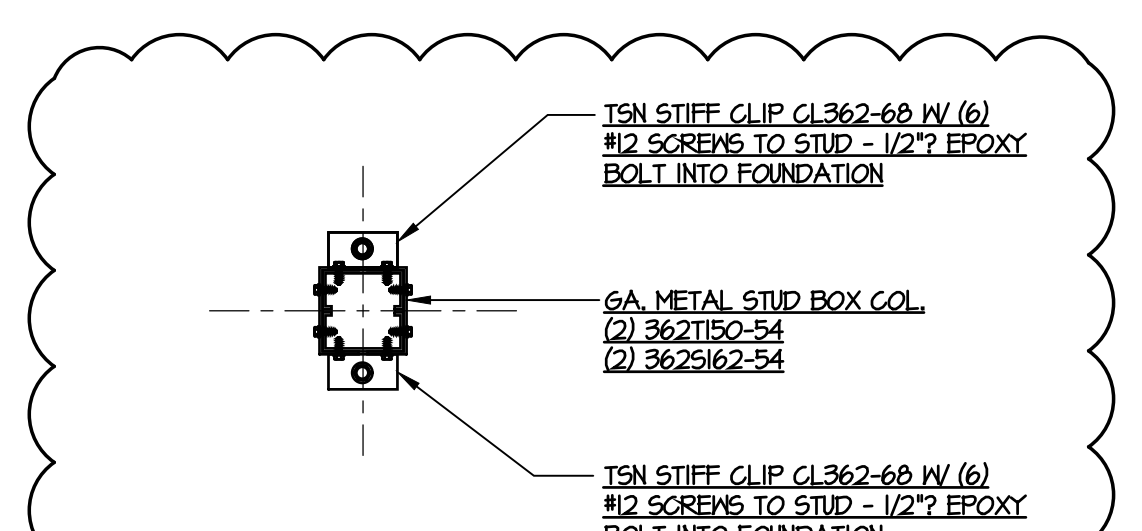
S/HD8
SIMPSON UPLIFT ANCHOR

MINIMUM CONCRETE COVER

(A) CONCRETE CAST AGAINST EARTH:	
1. ALL BARS	3" COVER
(B) CONCRETE EXPOSED TO EARTH OR WEATHER	
1. #6 THROUGH #18 BARS	2" COVER
2. #5 BAR AND SMALLER	1-1/2" COVER
(C) CONCRETE NOT EXPOSED TO EARTH OR WEATHER	
1. SLABS & WALLS #14 AND #18 BARS	1-1/2" COVER
2. SLABS & WALLS #11 BAR AND SMALLER	3/4" COVER
3. BEAMS & COLUMNS (ALL REINFORCEMENT)	1-1/2" COVER



METAL STUD-TO-SLAB CONNECTION
(8" METAL STUD WALL)
NO SCALE



TYP. COLUMN TYPE "C1"

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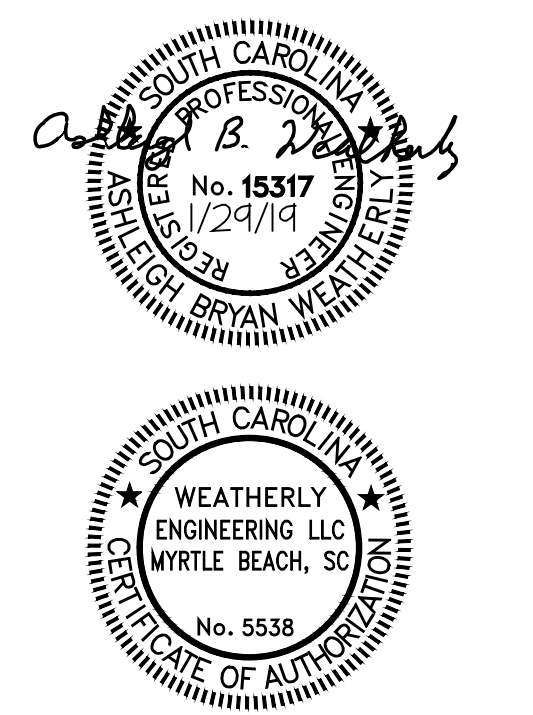
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REVISION 1 DATE 03/28/2019	19-111 03/08/2019 SECTIONS & DETAILS
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S2.0

GENERAL NOTES



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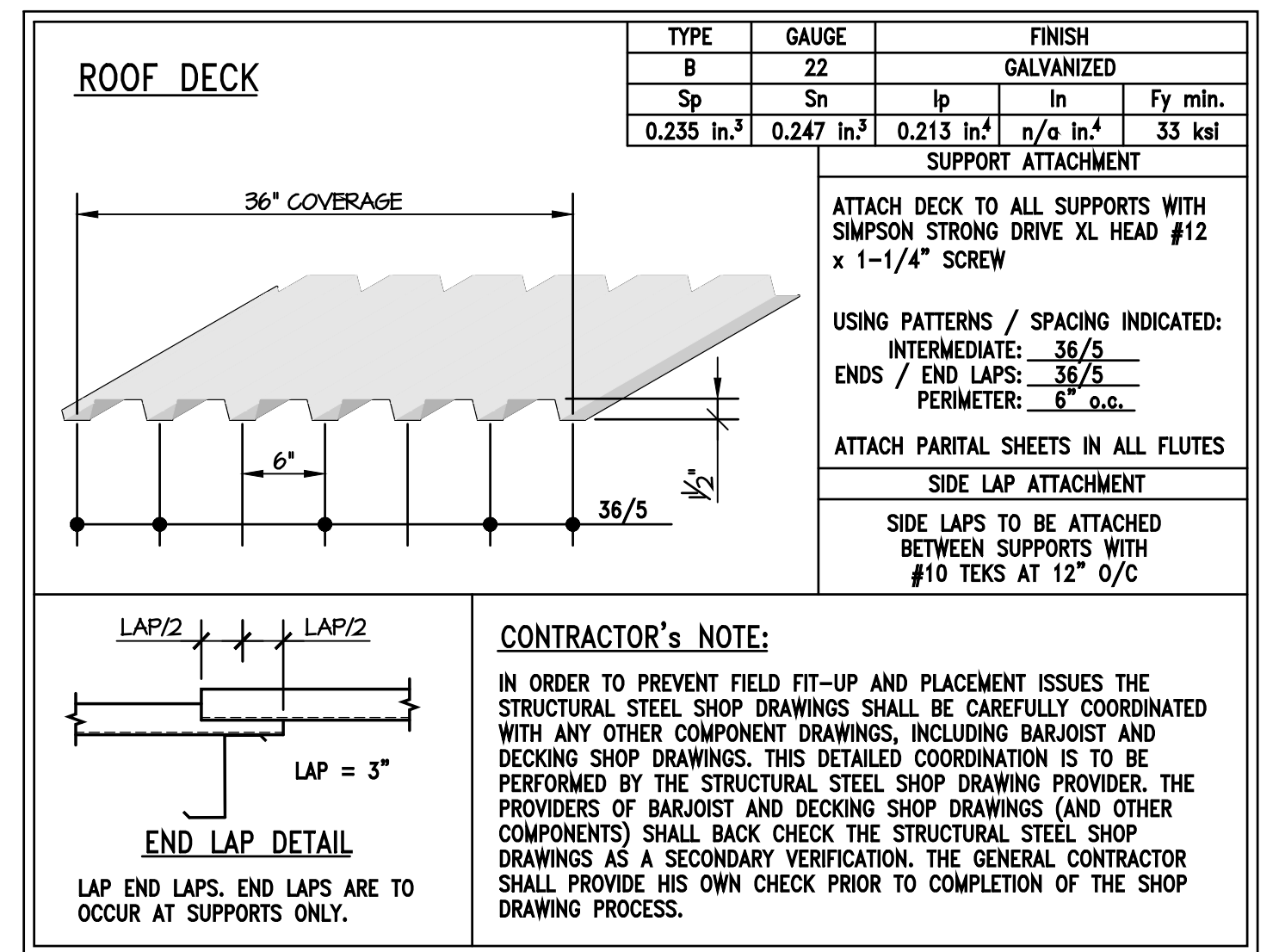
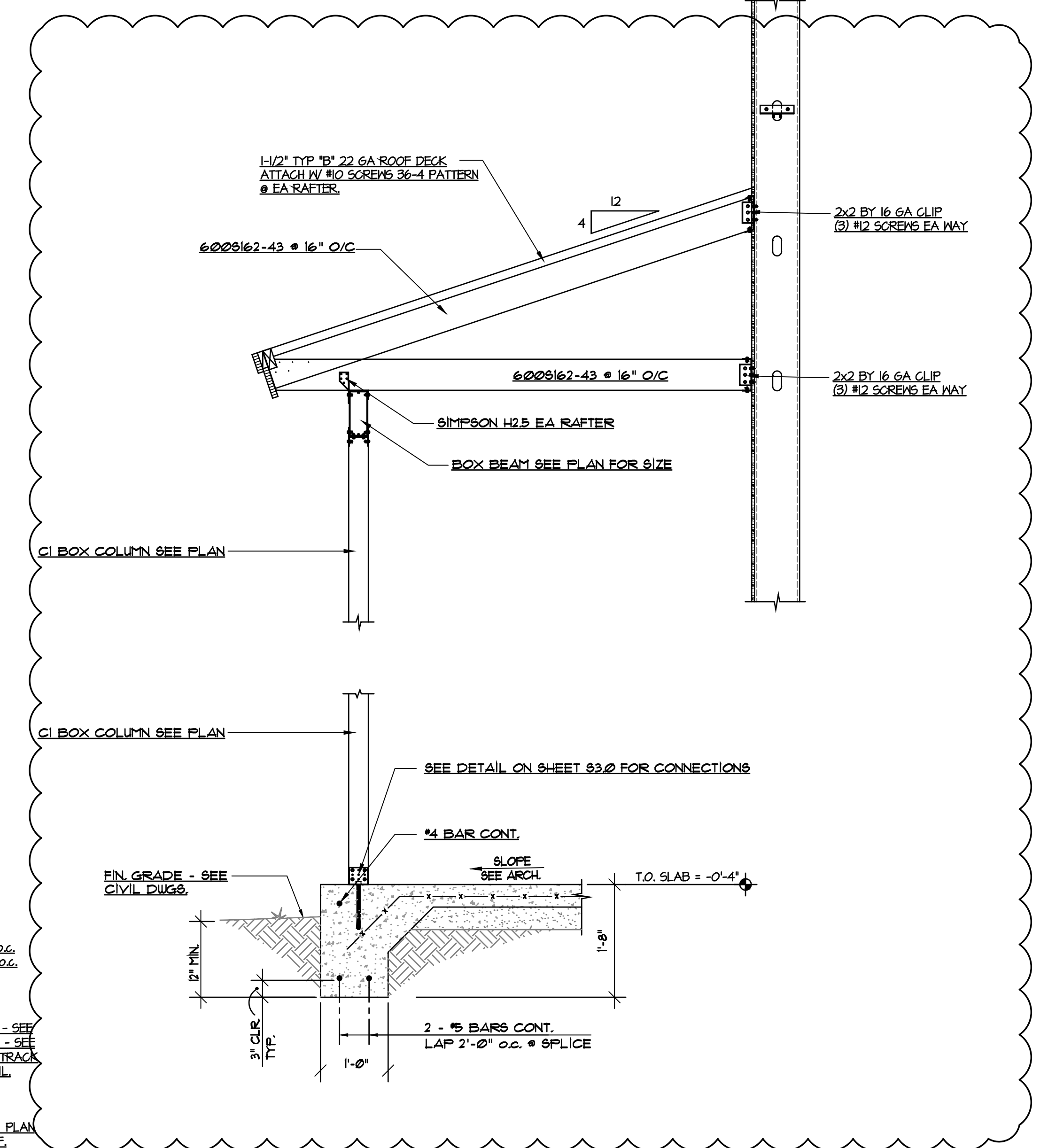
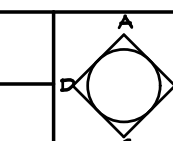
SECTIONS & DETAILS

S2.1

Weatherly
STRUCTURAL ENGINEERS

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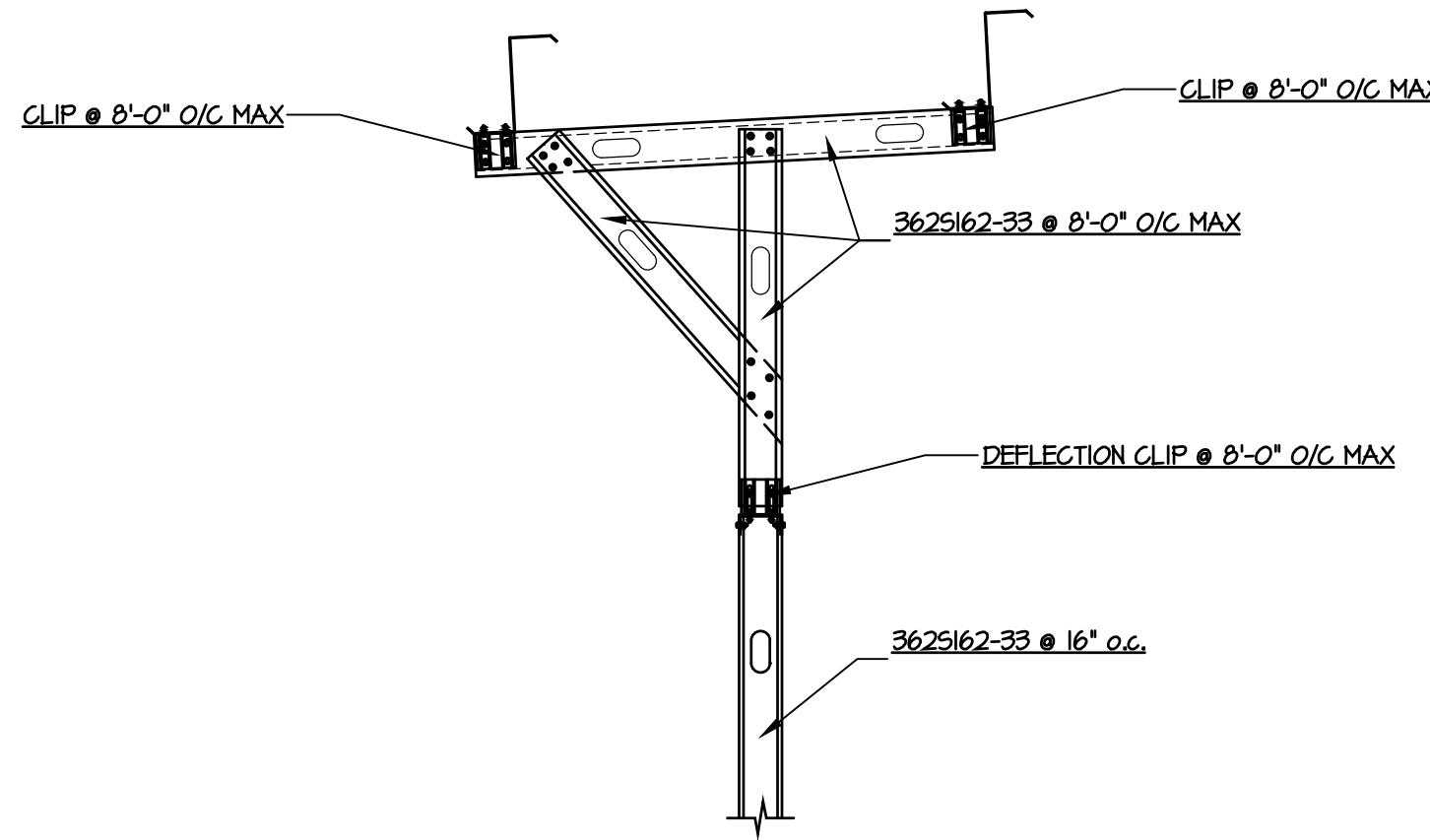
LIGHT STEEL FRAMING MATERIAL SIZING CHART

MEMBER SIZE	DESIGNATION	FLANGE WIDTH	DESIGNATION
1 5/8"	162	1 1/4"	125
2 1/2"	250	1 3/8"	137
3 1/2"	350	1 1/2"	150
3 5/8"	362	1 5/8"	162
4"	400	2"	200
5 1/2"	550	2 1/2"	250
6"	600		
7 1/4"	725		
8"	800		
9 1/4"	925		
10"	1000		
11 1/2"	1150		
12"	1200		

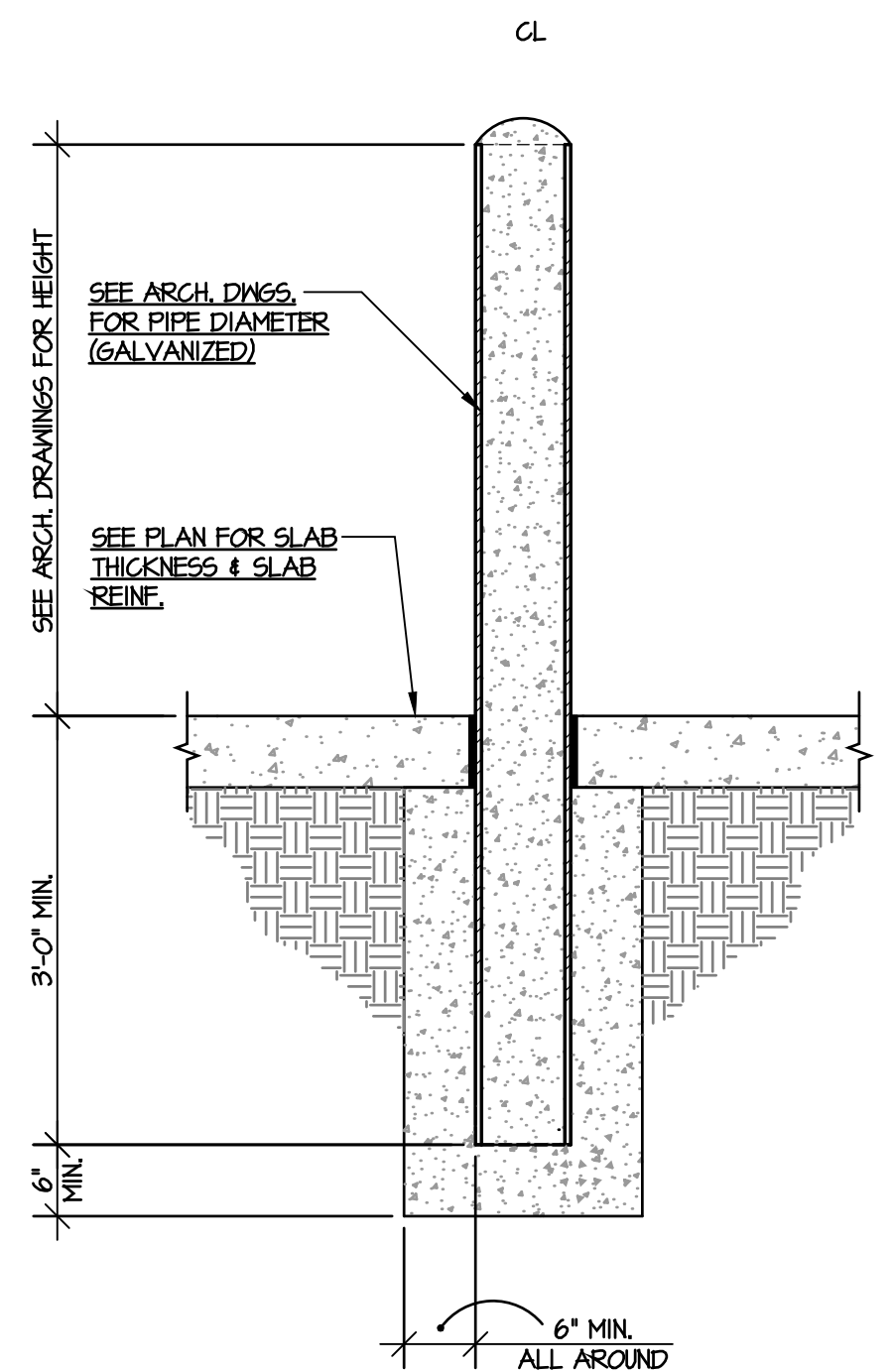
600S162-54

STYLE:
(EXAMPLE: STUD OR JOIST SECTION = S)
THE FOUR ALPHA CHARACTERS UTILIZED BY THE DESIGNATOR SYSTEM ARE:
S = STUD OR JOIST SECTIONS
T = TRACK SECTIONS
U = CHANNEL SECTIONS
F = FURRING CHANNEL SECTIONS

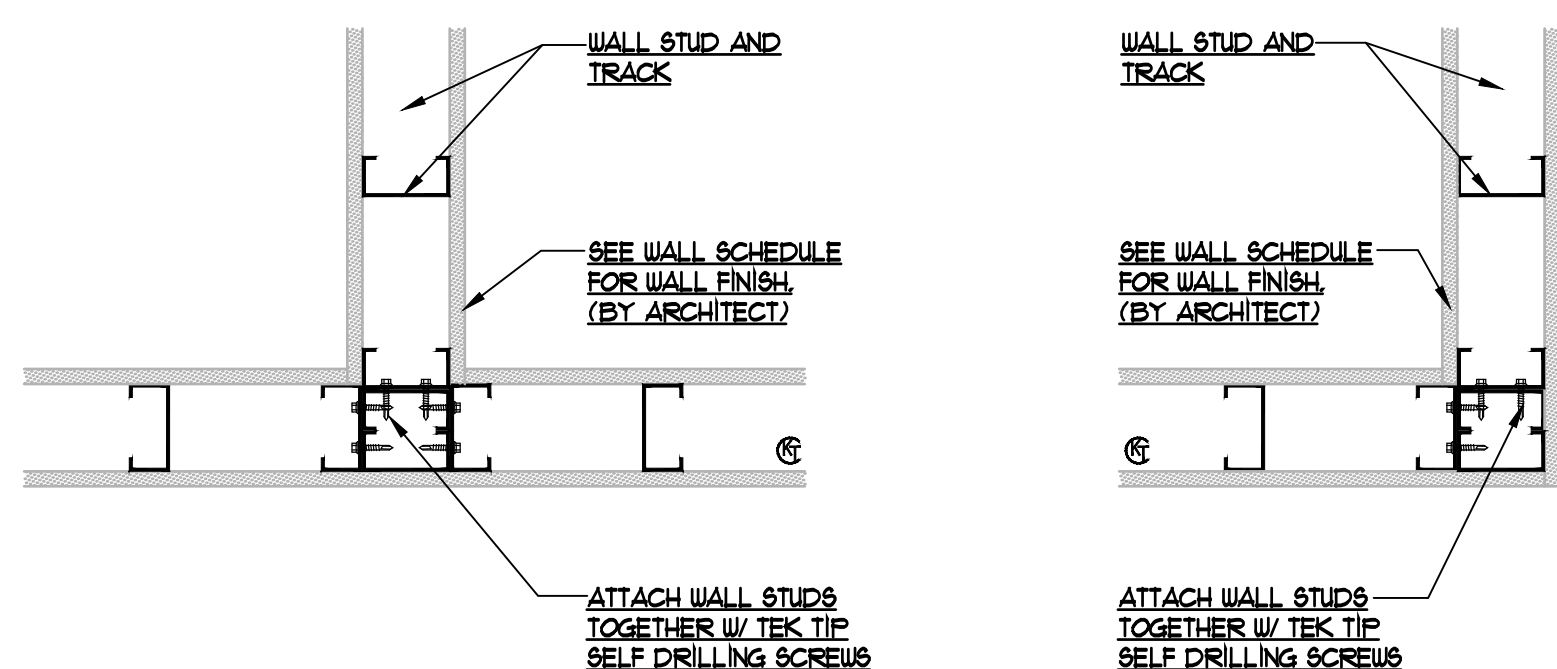
MATERIAL THICKNESS:
(EXAMPLE: 0.054" = 54 MILS. 1 MIL = 1/100 IN.)
MATERIAL THICKNESS IS THE MINIMUM BASE METAL THICKNESS IN MILS. MINIMUM BASE METAL THICKNESS REPRESENTS 95% OF THE DESIGN THICKNESS.



TYPICAL BRACING OF INTERIOR WALL

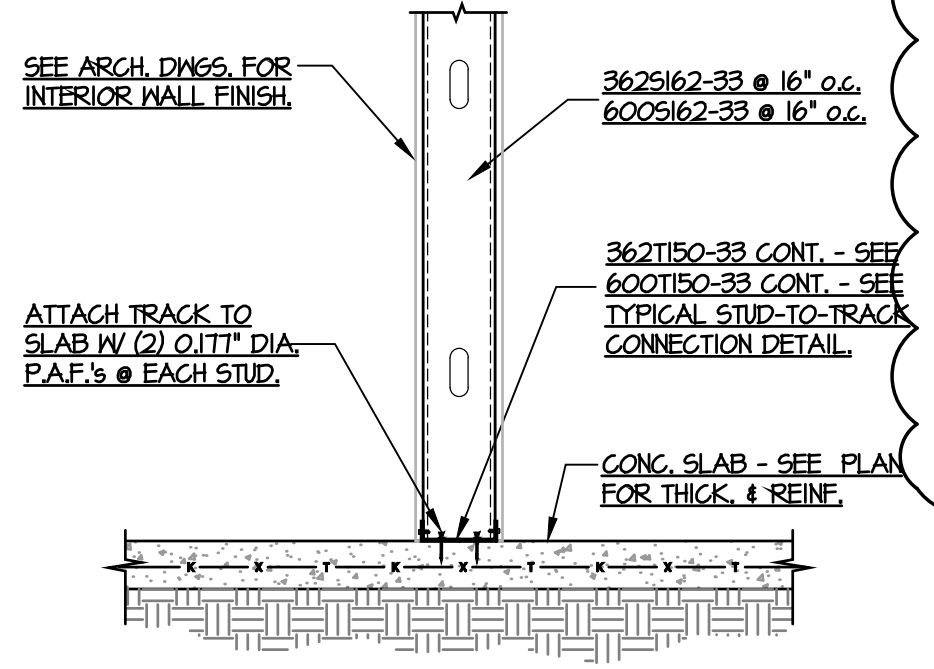


TYPICAL BOLLARD DETAIL



METAL STUD WALL INTERSECTION PERPENDICULAR TO WALL

METAL STUD WALL INTERSECTION @ CORNER



ATTACHMENT DETAIL FOR ALL INTERIOR NON-LOAD BEARING WALLS (6" & 3 5/8" METAL STUD WALL)

SECTIONS & DETAILS
S2.1

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

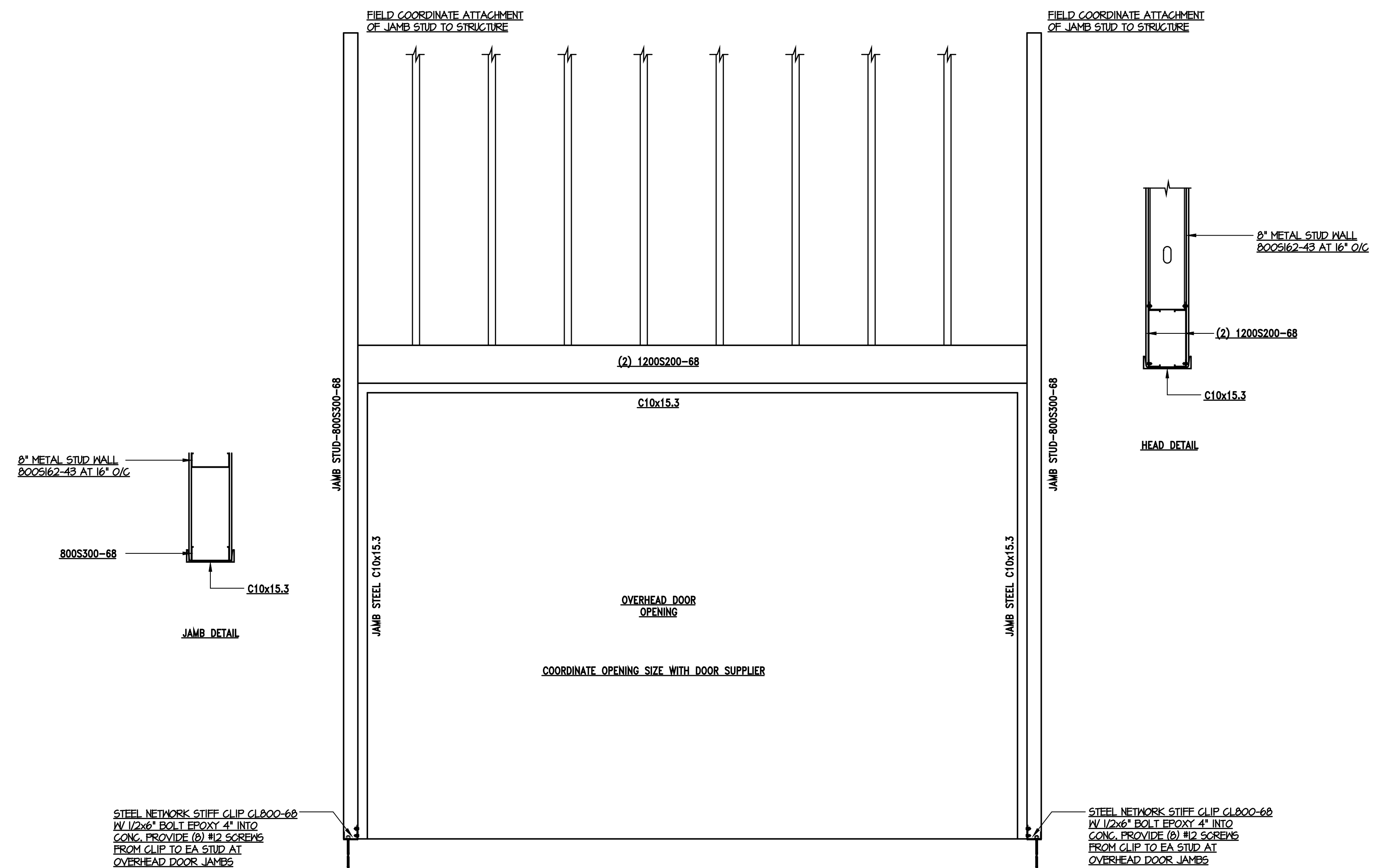
GENERAL NOTES

SPECIAL INSPECTION COORDINATOR - ASHLEIGH B. WEATHERLY P.E.
 NOTE: ALL TESTING & INSPECTION REPORTS TO BE SENT SPECIAL INSPECTION COORDINATOR ON A WEEKLY BASIS - ALL REPORTS TO BE IN AN ELECTRONIC FORMAT BY EMAIL.
 SPECIAL INSPECTION COORDINATOR WILL SUBMIT CONSOLIDATED REPORT TO BUILDING OFFICIAL ON A WEEKLY BASIS.

BUILDING COMPONENTS OR MATERIAL	MATERIAL SUBMITTAL	TESTING REQUIREMENTS	TESTING FREQUENCY	TESTING AGENCY	INSPECTION / MONITORING	INSPECTION FREQUENCY	INSPECTION AGENCY	PART OF WIND QUALITY ASSURANCE	PART OF SEISMIC QUALITY ASSURANCE
CONCRETE FOUNDATIONS	1. SUBMIT CONCRETE MIX DESIGN. 2. SUBMIT FOUNDATION REINFORCEMENT SHOP DRAWINGS. 3. VERIFY PROPER CONCRETE STRENGTH.	1. TEST CONCRETE STRENGTH	1. (1) SET OF CYLINDERS FOR EACH VERTICAL LIFT OR EACH 50 YARDS OF CONCRETE.	WEATHERLY ENGINEERING, LLC ASHLEIGH WEATHERLY PE 15317	1. VERIFY APPROPRIATE MIX (STRENGTH) PROVIDE: A. REBAR SIZE B. REBAR QUANTITY C. REBAR PLACEMENT	1. PERIODIC	WEATHERLY ENGINEERING, LLC ASHLEIGH WEATHERLY PE 15317	1. NO	1. NO
METAL STUD FRAMING	1. VERIFY FRAMING MEMBERS ARE SIZE & GAUGE AS SPECIFIED	1. NONE	1. NONE		1. VERIFY FRAMING PER PLAN		WEATHERLY ENGINEERING, LLC ASHLEIGH WEATHERLY PE 15317	1. YES	1. YES
PLYWOOD SHEARWALLS	1. VERIFY WOOD MEMBER GRADES.	1. NONE	1. NONE	1. NONE	1. EACH SHEARWALL WILL BE MONITORED FOR: A. MATERIAL DIMENSIONS AND SPACING B. ATTACHMENT VERIFICATION	1. PERIODIC	WEATHERLY ENGINEERING, LLC ASHLEIGH WEATHERLY PE 15317	1. YES	1. YES
METAL DECK ROOF DIAPHRAGM	1. VERIFY SCREW ATTACHMENT	1. NONE	1. NONE	1. NONE	1. EACH DIAPHRAGM WILL BE MONITORED FOR: A. MATERIAL DIMENSIONS B. ATTACHMENT VERIFICATION	1. PERIODIC	WEATHERLY ENGINEERING, LLC ASHLEIGH WEATHERLY PE 15317	1. YES	1. YES
CONNECTION HARDWARE	1. SUBMIT MANUF. DATA ON CONNECTION HARDWARE IF OTHER THAN SPECIFIED MATERIAL.	1. NONE	1. NONE	1. NONE	1. ALL HARDWARE TO BE MONITORED FOR: A. SPACING B. ATTACHMENT VERIFICATION	1. PERIODIC	WEATHERLY ENGINEERING, LLC ASHLEIGH WEATHERLY PE 15317	1. YES	1. YES

DEFINITIONS

1. PERIODIC - THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED, AND AT THE COMPLETION OF THE WORK
2. CONTINUOUS - THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.
3. SET OF CYLINDERS - (5) SPECIMENS MOLDED IN ACCORDANCE WITH ASTM REQUIREMENTS TO PROVIDE COMPRESSIVE STRENGTH TEST RESULTS. ***



SECTIONS & DETAILS

S2.2 SCALE: 3/4"=1'-0"



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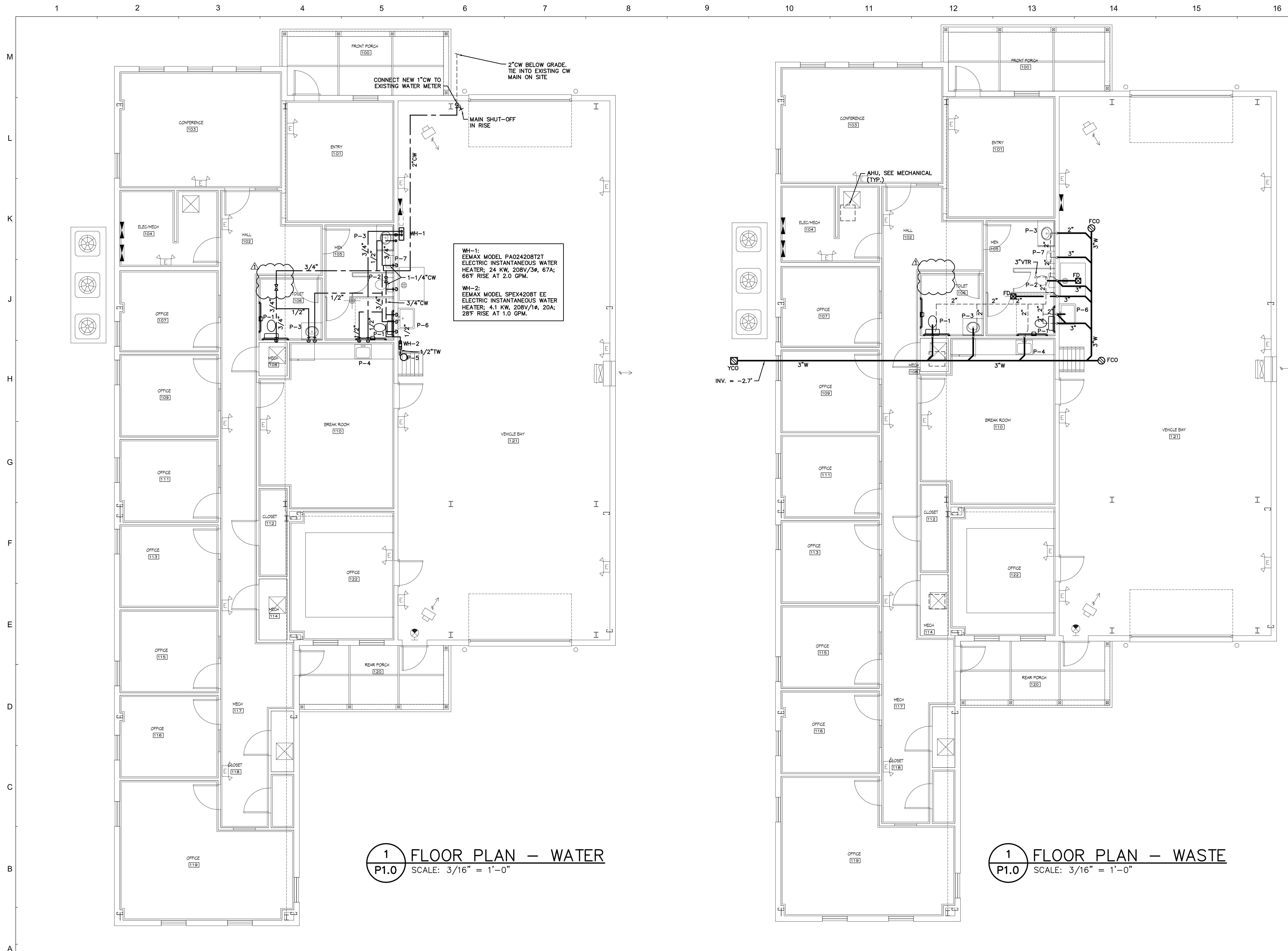
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 MYRTLE BEACH, SOUTH CAROLINA

19-111
 03/08/2019
 SECTIONS & DETAILS

S2.2



1 FLOOR PLAN - WATER
P1.0 SCALE: 3/16" = 1'-0"

1 FLOOR PLAN - WASTE
P1.0 SCALE: 3/16" = 1'-0"

GENERAL NOTES

FIRE RATED WALL LEGEND

1-HOUR FIRE RATED METAL STUD WALL
 ASSEMBLY: UL DESIGN UL-419

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 Charlotte, NC · 704/527-2112
 18-147



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REVISION	DATE
▲	3/29/19

AN ALTERATION TO THE
CITY OF MYRTLE BEACH
MAINTENANCE BUILDING

MYRTLE BEACH, SOUTH CAROLINA



2019
 03/08/2019
 FLOOR PLAN - PLUMBING

P1.0

A1 FLOOR PLAN - PLUMBING
P1.0 SCALE: 3/16"=1'-0"

