

SECTION 00 91 15

ADDENDUM NUMBER 6

PARTICULARS

- 1.01 DATE: APRIL 6, 2021**
- 1.02 PROJECT: WELCOME CENTER**
- 1.03 PROJECT NUMBER: DCM NO. 2020604**
- 1.04 OWNER: ALABAMA A&M UNIVERSITY**
- 1.05 ARCHITECT: NOLA | VAN PEURSEM ARCHITECTS, PC**

TO PROSPECTIVE BIDDERS

- 2.01 THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS AND MODIFIES THE BIDDING DOCUMENTS DATED JANUARY 25, 2021, WITH AMENDMENTS AND ADDITIONS NOTED BELOW.**
- 2.02 ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE SPACE PROVIDED IN THE PROPOSAL FORM. FAILURE TO DO SO MAY DISQUALIFY THE BIDDER.**
- 2.03 THIS ADDENDUM CONSISTS OF 27 PAGES.**

CHANGES TO THE PROJECT MANUAL

- 3.01 APPROVED EQUALS, these approvals are based solely upon the manufacturers meeting all conditions of drawings and specifications presently set.**
 - A. Section 04 72 00 -Cast Stone Masonry: Olde World Cast Stone.
 - B. Section 07 90 05 – Joint Sealers:
 - 1. Sika USA, for Types 1, 4, 5, & 6.
 - 2. EMSEAL, for Type 2.
- 3.02 SECTION 00 10 00-BID DOCUMENTS AND FORMS:**
 - A. Advertisement for Bid: Revise Bid Date to read, “April 15, 2021”.
- 3.03 SECTION 00 22 00-OWNER’S SUPPLEMENTARY INSTRUCTIONS TO BIDDERS:**
 - A. Paragraph 1.03.B: Revise paragraph to read as follows, “All sealed bids will be received by 2:00 p.m. CDT on **April 15, 2021** at which time each bidder must submit a sealed envelope properly titled containing the Proposal form, the Bid Bond, Accounting of Sales Tax - DCM Form C-3A form, and Affidavit A. Upon receipt of these documents the bids will be publicly opened and read aloud. Supplement A – List of Subcontractors (section 00 43 21) and Affidavit C are to be hand delivered or emailed to the Architect within 24 hours after receipt of bids. No changes to the base bid will be allowed after 2:00 p.m.”

3.04 SECTION 01 21 00 – ALLOWANCES:

- A. Paragraph 1.05.F – Revise paragraph to read as follows, “Include the stipulated sum of \$36,000 for interactive displays and TVs including all replated parts, mounting hardware, labor and installation.”

3.05 SECTION 09 51 00 -ACCOUSTICAL CEILINGS:

- A Paragraph 2.02.D.6 – Revise paragraph to read as follows, “Product: Woodworks Tegular by Armstrong World Industries, Inc.”

3.06 SECTION 22 42 10 -PLUMBING FIXTURES:

- A. Paragraph 2.02.P-24 – Revise paragraph to read as follows, “Hydraulic Oil Interceptor: Zurn Fog-Cepton model Z250-MH single tank underground fiberglass assembly with 250 gallon liquid capacity with 100 GPM rated flow. Tank shall be provided with two factory access manways to grade, cast iron manhole frame with grate cover for H2O traffic loading and 4” inlet and outlet connections. Tank shall be installed in accordance with the factory installation procedures, including but not limited to an approved gravel base, 18” deep concrete anti-floatation pad, approved sand or pea gravel backfill, reinforced top concrete pad at the manways and manhole frame and lids as detailed on the drawings. Exterior edge of the pad shall extend a minimum of 12” past the overall edge of the tanks with the top of the pad flush with the floor. Vents to be connected and routed per manufacturer’s recommendations and as indicated on the drawings. The tank assembly shall be reinforced and rated for deep bury. The tank assembly shall be provided with a SmartPro RF wireless monitoring and alarm system to monitor the grease and solids level in the tank. See details on the drawing for additional information and installation requirements.”

3.07 SECTION 26 85 00 – VIDEO SURVEILLANCE SYSTEM:

- A. Clarification: All cameras, camera licenses, additional servers and/ or storage to be furnished and installed by allowance. Final camera integration into existing system to be by owner, N.I.C.
- B. No cameras, camera licenses, video management servers, video surveillance file storage are to be included in bid price (other than by the allowance noted above).

3.08 SECTION 26 96 10 – DINING AV SYSTEMS:

- A. Clarification: This section is mislabeled in the project manual as 26 77 00. Revise this number to read 26 96 10.
- B. Rename this section as follows: “Audio Visual System”.
- C. Section 2.3, Conference 108, Video: Delete two (2) each Vivitek 86” Novotouch interactive displays and two (2) each Chief XTM1U mounts. This display and its associated mount will be furnished and installed by allowance.
- D. Section 2.3, Conference 202, Video: Delete one (1) each Vivitek 86” Novotouch interactive display and one (1) each Chief XTM1U mount. This display and its associated mount will be furnished and installed by allowance.

CHANGES TO THE DRAWINGS

4.01 SHEET C501 – STORM DRAIN PLAN:

- A. Replace this Sheet in its Entirety. Revisions include the following:
1. Modified 12" HDPE invert in AI-31.
 2. Modified slope of 12" HDPE storm pipe P36-31.
 3. Modified inverts in AI-36.
 4. Modified length & slope of 12" HP storm pipe P37-36.
 5. Modified invert in AI-37.
 6. Added 6" PVC foundation drainpipe from elevator sump to connect to P37-36.
 7. Added 6" In line Check Valve in outfall end of 6" PVC foundation drain.
 8. Added Detail 1/C501 -In Line Storm Drain Cheek Valve.
 9. Modified top elevation of AI-33.

4.02 SHEET C701 – UTILITY PLAN:

- A. Replace this Sheet in its Entirety. Revisions include the following:
1. Changed to show that the public fire hydrant material & installation is by Huntsville Utilities.
 2. Change the connection point for the private fire hydrant line to be on the building side of the Fire Vault.
 3. Changed the route of the private fire hydrant line at the fire vault.

4.03 SHEET C803 – CONSTRUCTION DETAILS:

- A. Replace this Sheet in its Entirety. Revisions include the following:
1. Modified Detail 7/803-Fire Main Connection Detail to show the public fire hydrant material & installation is by Huntsville Utilities.
 2. Change the connection point for the private fire hydrant line.
 3. Clarified that the contractor shall provide and install all materials required for the private fire hydrant line and fire hydrant as shown on sheet C701.

4.04 SHEET C804 – CONSTRUCTION DETAILS:

- A. Replace this Sheet in its Entirety. Revisions include the following:
1. Modified Detail 13/804-Revise the fence to be shadowbox type.

4.05 SHEET L-1.1 – HARDSCAPE PLAN:

- A. Detail 3/L-1.1: Revise note on this detail to read as follows:
Bega 36-inch Bollard, 84016-71 125
System Bollard Tube with Drive-through protection
System Bollard Head, Non-illuminated cap
No wiring is needed.

4.06 ALL ARCHITECTURAL SHEETS:

- A. Clarification: Where weather barrier is shown over continuous rigid insulation, revise the weather barrier to be located over the exterior sheathing.

4.07 SHEET A-1.3 – FIRST FLOOR PLAN:

- A. Replace this sheet in its entirety. Revisions include the following:
1. Revise width of elevator shaft

4.08 SHEET A-1.4 – SECOND FLOOR PLAN:

- A. Replace this sheet in its entirety. Revisions include the following:
1. On Column Details 3/ A1.4: Change the note identifying the glass to read “1-inch insulated glass”.
 2. On Column Detail 7/ A-1.4: Change the note which reads “Weather barrier over cont. rigid insulation over 8” CMU” to read “Cont. Rigid Insulation over bituminous dampproofing over 8” CMU”.
 3. On Column Detail 8/ A-1.4: Revise the dimensions which read “8 ½ inches” to read “6 ½ inches”.
 4. Revise width of elevator shaft.

4.09 SHEET A-4.1 – ROOM FINISH SCHEDULE:

- A. Revise the Room Finish Schedule as follows:
1. At Rooms 106 MEN and 107 Women: Change the scheduled finish for all walls to be “PT-1/ GBEP”.
 2. At Rooms 106 MEN and 107 Women: Add the following note under Remarks: “See Sheet A-6.1 for extent of wall tile.”

4.10 SHEET A-5.3 – CURTAINWALL ELEVATIONS:

- A. Replace this sheet in its entirety. Revisions include the following:
1. Adjusted dimensions on curtain wall elevations.

4.11 SHEET A-5.4 – STOREFRONT ELEVATIONS & DETAILS:

- A. Replace this sheet in its entirety. Revisions include the following:
1. Revised details.

4.12 SHEET A-5.5 – CURTAINWALL DETAILS:

- A. Replace this sheet in its entirety. Revisions include the following:
1. Adjusted dimensions and notes on curtain wall details.
 2. Added EIFS details.

4.13 SHEET A-7.1 – WALL SECTIONS:

- A. Replace this sheet in its entirety. Revisions include the following:
1. Updated notes regarding weather barrier, mortar nets, and flashing.
 2. Updated exterior wall construction at second floor slab.

4.14 SHEET A-7.2 – WALL SECTIONS:

- A. Replace this sheet in its entirety. Revisions include the following:
1. Updated notes regarding weather barrier, EIFS.
 2. Updated exterior wall construction at second floor slab.

4.15 SHEET A-7.3 – WALL SECTIONS:

- A. Replace this sheet in its entirety. Revisions include the following:
1. Updated notes regarding weather barrier, mortar net, and vapor barrier.

4.16 SHEET A-7.4 – WALL SECTIONS:

- A. Replace this sheet in its entirety. Revisions include the following:
1. Updated notes regarding weather barrier, mortar net, and flashing.

4.17 SHEET A-9.1 – CANOPY DETAILS:

- A. Revise this sheet as follows:
1. On the canopy section 2/A-9.0, revise note reading “1/2” sheathing over 6” mtl studs @ 16” O.C” to read: “Weather barrier over 1/2” sheathing over 6” mtl studs @ 16” O.C.”.

4.18 SHEET S-1.0 – FOUNDATION PLAN:

- A. Replace this sheet in its entirety. Revisions include the following:
1. Added hatch denoting area of recessed slab.
 2. Revised dimensions at elevator pit.

4.19 SHEET S-1.0A – SLAB ON GRADE PLAN:

- A. Replace this sheet in its entirety. Revisions include the following:
1. Added hatch denoting area of recessed slab.
 2. Revised dimensions at elevator pit.

4.20 SHEET S-1.1 – FLOOR FRAMING AND LOW ROOF FRAMING PLAN:

- A. Replace this sheet in its entirety. Revisions include the following:
1. Added section marks for details J/S-3.1 and K/S-3.1.
 2. Added missing beam designation.

4.21 SHEET S-1.2 – ROOF FRAMING PLAN:

- A. Replace this sheet in its entirety. Revisions include the following:
1. Revised notes around the elevator shaft.

4.22 SHEET S-3.0 – FOUNDATION SECTIONS:

- A. Replace this sheet in its entirety. Revisions include the following:
1. Revised dimensions around the elevator pit on detail K/S-3.0
 2. Revised dimensions on details

4.23 SHEET S-3.1 – WALL SECTIONS:

- A. Replace this sheet in its entirety. Revisions include the following:
1. Added Sections J/S-3.1 & K/S-3.1.
 2. Revised dimensions on detail F/S-3.1
 3. Added contractor’s option to use beams at Section H/S-3.1

4.24 SHEET M-3.1 – MECHANICAL SCHEDULES:

- A. Revise this sheet as follows:
1. On RTU Schedule (DX/Gas) add accessory 14 as listed below.
 14. Provide factory fabricated 18" high roof curb with sound blanket, through the base electrical and thermal insulation. Unit and curb assembly shall be in compliance with IBC 1609 Wind Load. Submit factory installation details sealed and signature and date by the manufacturer's compliance engineer. See Mechanical Devices and Notes for additional requirements.

4.25 SHEET E-1.0 – WALL SECTIONS:

- A. Replace this sheet in its entirety. Revisions include the following:
1. Security legend has been revised. See attached revised drawings.
 2. Add descriptions for ceiling speaker and ceiling subwoofer. See attached revised drawings.
 3. New fire alarm system (fire alarm control panel, fire alarm devices, fire alarm cabling, fire alarm system set-up and programming) to be furnished and installed under base bid. See attached revised drawings.

4.26 SHEET E-3.0 – ELECTRICAL SINGLE LINE DIAGRAMS:

- A. Replace this sheet in its entirety. Revisions include the following:
1. Added note to show new utility transformer to be fed from new riser pole.

END OF ADDENDUM NUMBER 6



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JOB NUMBER
18994

ALSGR / ALS 02/12/2021
 DRAWN - CHECKED - DATE

NO.	REVISIONS	DATE
1	Addendum #2	03-08-2021
2	Addendum #6	04-01-2021

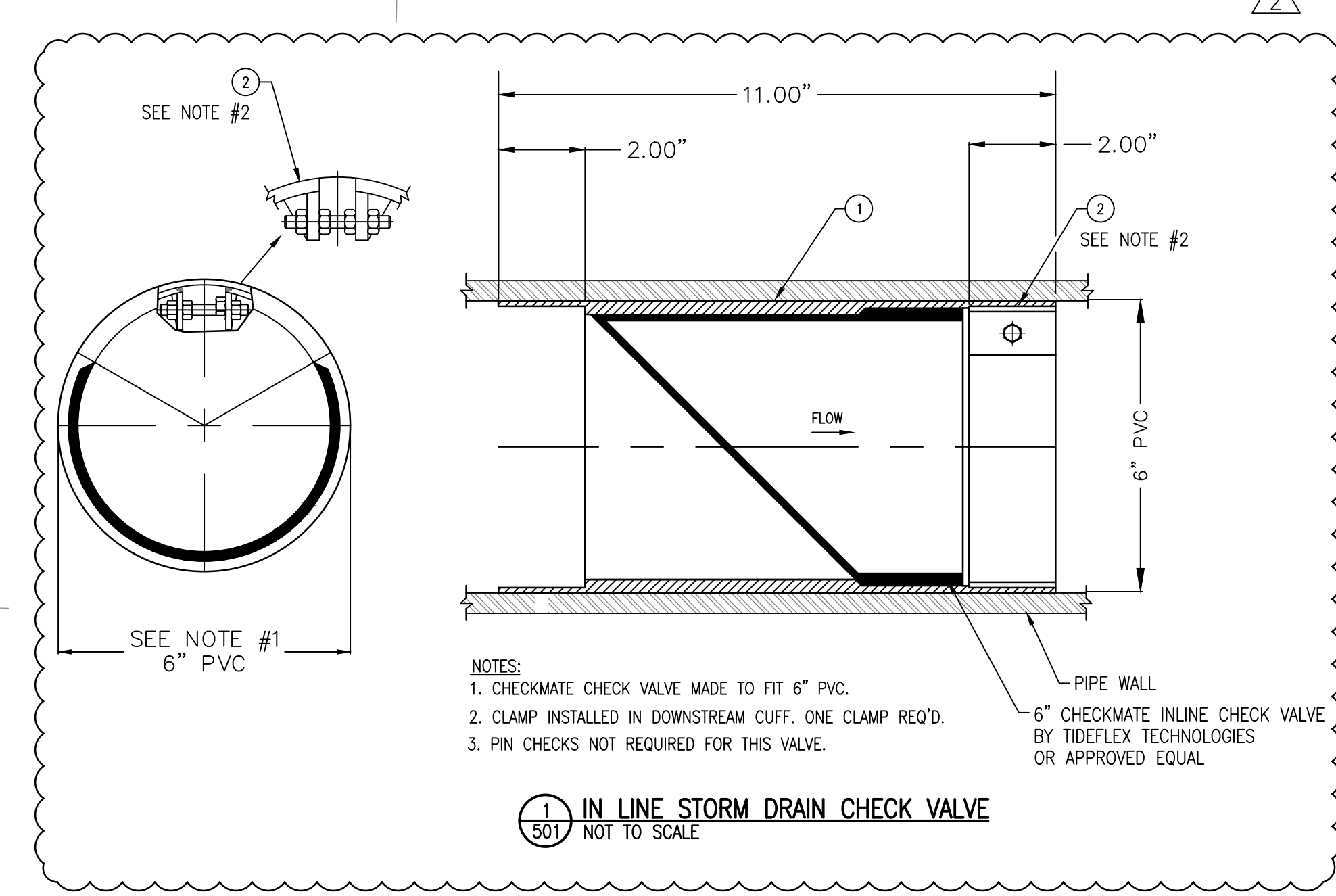
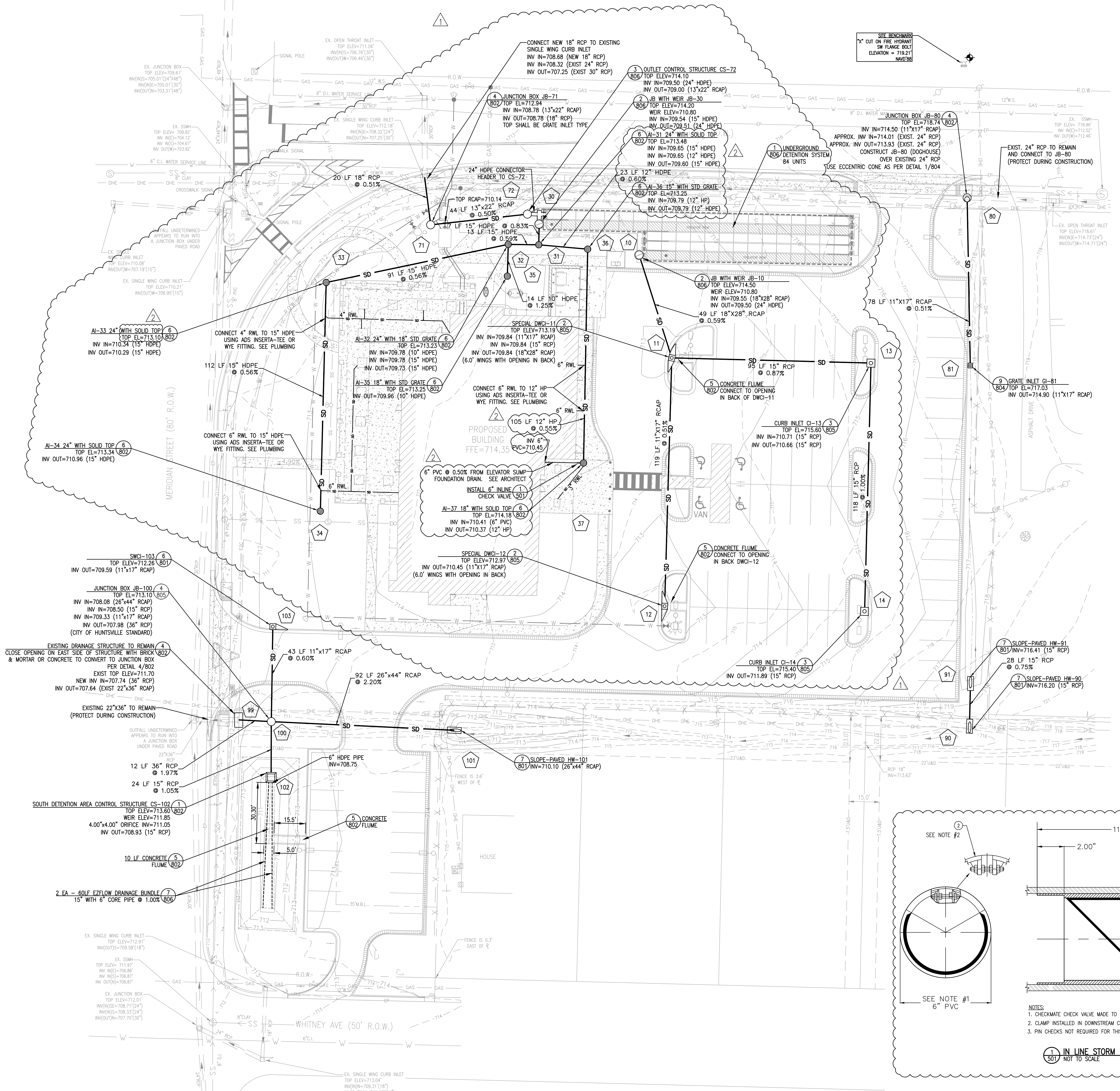
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SHEET TITLE
STORM DRAIN PLAN

SHEET NUMBER
C501

7 OF 17

STORM DRAIN STRUCTURE TABLE			
NAME	DESCRIPTION	STRUCTURE DETAILS	DETAIL
AI-31	24" WITH SOLID TOP	TOP ELEV=713.48 P32-31, 15" HDPE, INV IN=708.65, W P36-31, 12" HDPE, INV IN=709.65, E P31-30, 15" HDPE, INV OUT=709.60, N	6 802
AI-32	24" WITH 18" STD GRATE	TOP ELEV=713.23 P35-32, 10" HDPE, INV IN=709.78, S P33-32, 15" HDPE, INV IN=709.78, W P32-31, 15" HDPE, INV OUT=709.73, E	6 802
AI-33	24" WITH SOLID TOP	TOP ELEV=713.10 P34-33, 15" HDPE, INV IN=710.54, S P33-32, 15" HDPE, INV OUT=710.29, E	6 802
AI-34	24" WITH SOLID TOP	TOP ELEV=713.34 P34-33, 15" HDPE, INV OUT=710.96, N	6 802
AI-35	18" WITH STD GRATE	TOP ELEV=713.25 P35-32, 10" HDPE, INV OUT=709.96, N	6 802
AI-36	15" WITH STD GRATE	TOP ELEV=713.25 P37-36, 12" HP, INV IN=709.79, S P36-31, 12" HDPE, INV OUT=709.79, W	6 802
AI-37	18" WITH SOLID TOP	TOP ELEV=714.18 P37-36, 12" HP, INV OUT=710.37, N	6 802
CI-13	CURB INLET	TOP ELEV=715.80 P14-13, 15" RCP, INV IN=710.71, S P13-11, 15" RCP, INV OUT=710.66, W	3 805
CI-14	CURB INLET	TOP ELEV=715.40 P14-13, 15" RCP, INV OUT=711.89, N	3 805
CS-72	NORTH OUTLET CONTROL STRUCTURE	TOP ELEV=713.88 P72-71, 13"x22" RCP, INV OUT=709.00, W	3 806
CS-102	SOUTH OUTLET CONTROL STRUCTURE	TOP ELEV=710.90 P102-100, 15" RCP, INV OUT=708.75, N	1 802
GI-81	GRATE INLET	TOP ELEV=717.03 P82-81, 11"x17" RCP, INV OUT=714.90, N	9 804
JB-71	JUNCTION BOX	TOP ELEV=712.84 P72-71, 13"x22" RCP, INV IN=708.78, E P71-70, 18" RCP, INV OUT=708.78, N	4 802
JB-80	JUNCTION BOX (DOGHOUSE)	TOP ELEV=718.74 P82-81, 11"x17" RCP, INV IN=714.50, S	4 802
JB-99	JUNCTION BOX	TOP ELEV=712.37 P100-99, 36" RCP, INV IN=707.74, E	4 802
JB-100	JUNCTION BOX	TOP ELEV=713.10 P101-100, 26"x44" RCP, INV IN=708.08, E P102-100, 15" RCP, INV IN=708.50, S P103-100, 11"x17" RCP, INV IN=709.33, N P100-99, 36" RCP, INV OUT=707.98, W	4 802
SPECIAL DWCI-11	SPECIAL DOUBLE WING CURB INLET	TOP ELEV=713.19 P12-11, 11"x17" RCP, INV IN=709.84, S P13-11, 15" RCP, INV IN=709.84, S P11-10, 18"x28" RCP, INV OUT=709.84, N	3 805
SPECIAL DWCI-12	SPECIAL DOUBLE WING CURB INLET	TOP ELEV=712.97 P12-11, 11"x17" RCP, INV IN=710.45, E	2 805
SWCI-103	SINGLE WING CURB INLET	TOP ELEV=712.26 P103-100, 11"x17" RCP, INV OUT=709.59, S	6 801



LEGEND

- U & D UTILITY & DRAINAGE ESMT
- R.O.W. RIGHT-OF-WAY
- EP CENTERLINE ROAD
- EP EDGE OF PAVEMENT
- DHE OVERHEAD ELEC.
- CH ELECTRIC POLE
- JB JUNCTION BOX
- GI GRATE INLET
- RCP REINFORCED CONC. PIPE
- DRAINAGE FLOW ARROW
- 5 STORM STRUCTURE NUMBER
- BENCHMARK
- 795 PROPOSED CONTOURS
- X 728.35 SPOT ELEVATION
- FL FLOWLINE
- SWCI SINGLE WING CURB INLET (SWCI)
- DWCI DOUBLE WING CURB INLET (DWCI)
- AI SINGLE WING S-TYPE INLET
- AI DOUBLE WING S-TYPE INLET
- JB JUNCTION BOX
- OTI OPEN THROAT WEIR INLET
- HW SLOPED PAVED HEADWALL
- FES FLARED END SECTION
- RIFRIP RIPRAP

SITE BENCHMARK
 "X" CUT ON FIRE HYDRANT SW FLANGE BOLT
 ON NORTH SIDE OF CHASE ROAD
 ELEVATION=719.21'
 NAVD'88

NOTES:
 1. CHECKMATE CHECK VALVE MADE TO FIT 6" PVC.
 2. CLAMP INSTALLED IN DOWNSTREAM CURF. ONE CLAMP REQ'D.
 3. PIN CHECKS NOT REQUIRED FOR THIS VALVE.

1 IN LINE STORM DRAIN CHECK VALVE
 NOT TO SCALE

**THIS SHEET HAS BEEN REPLACED BY
 ADDENDUM #6, 04-02-2021**



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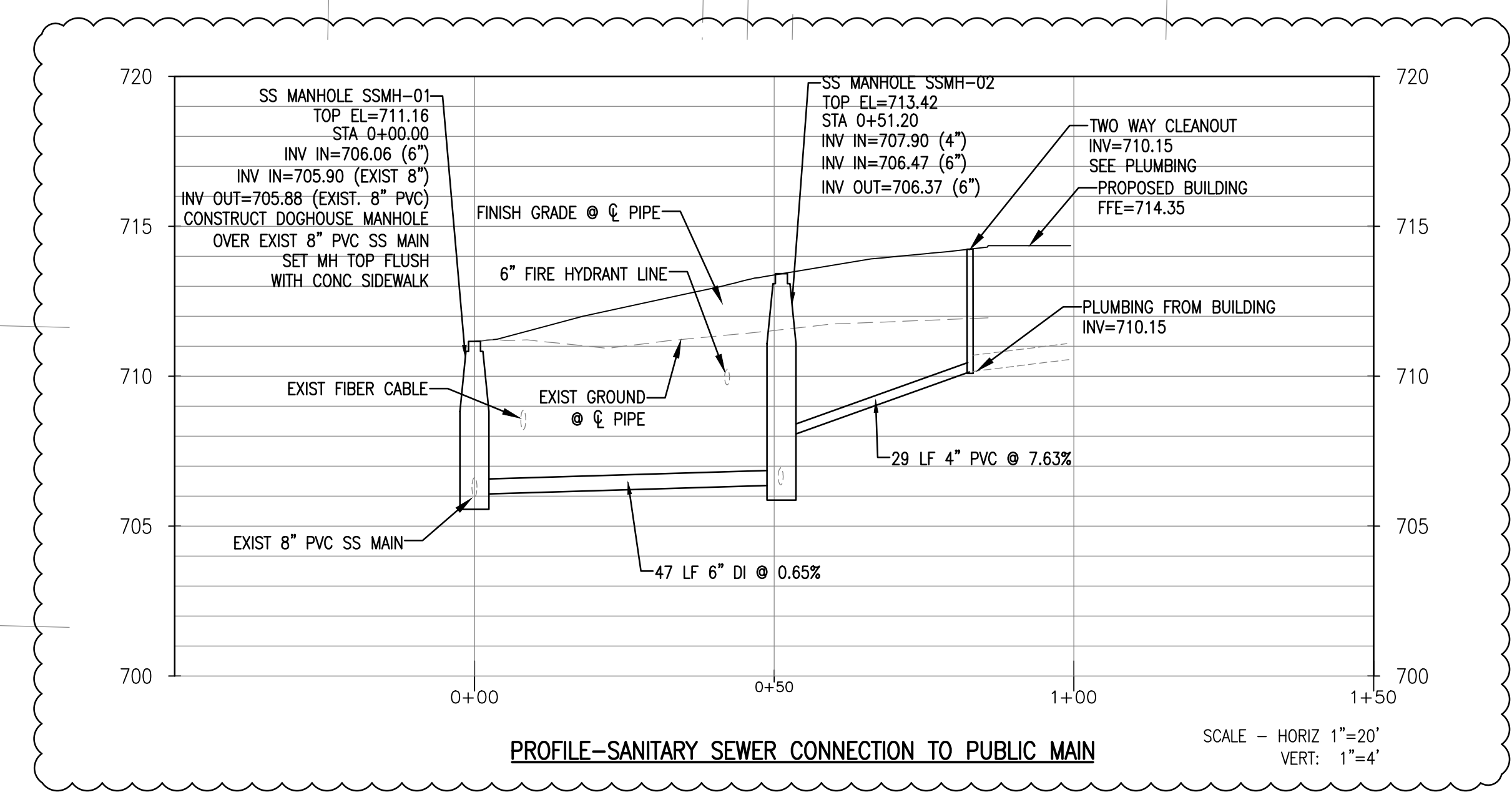
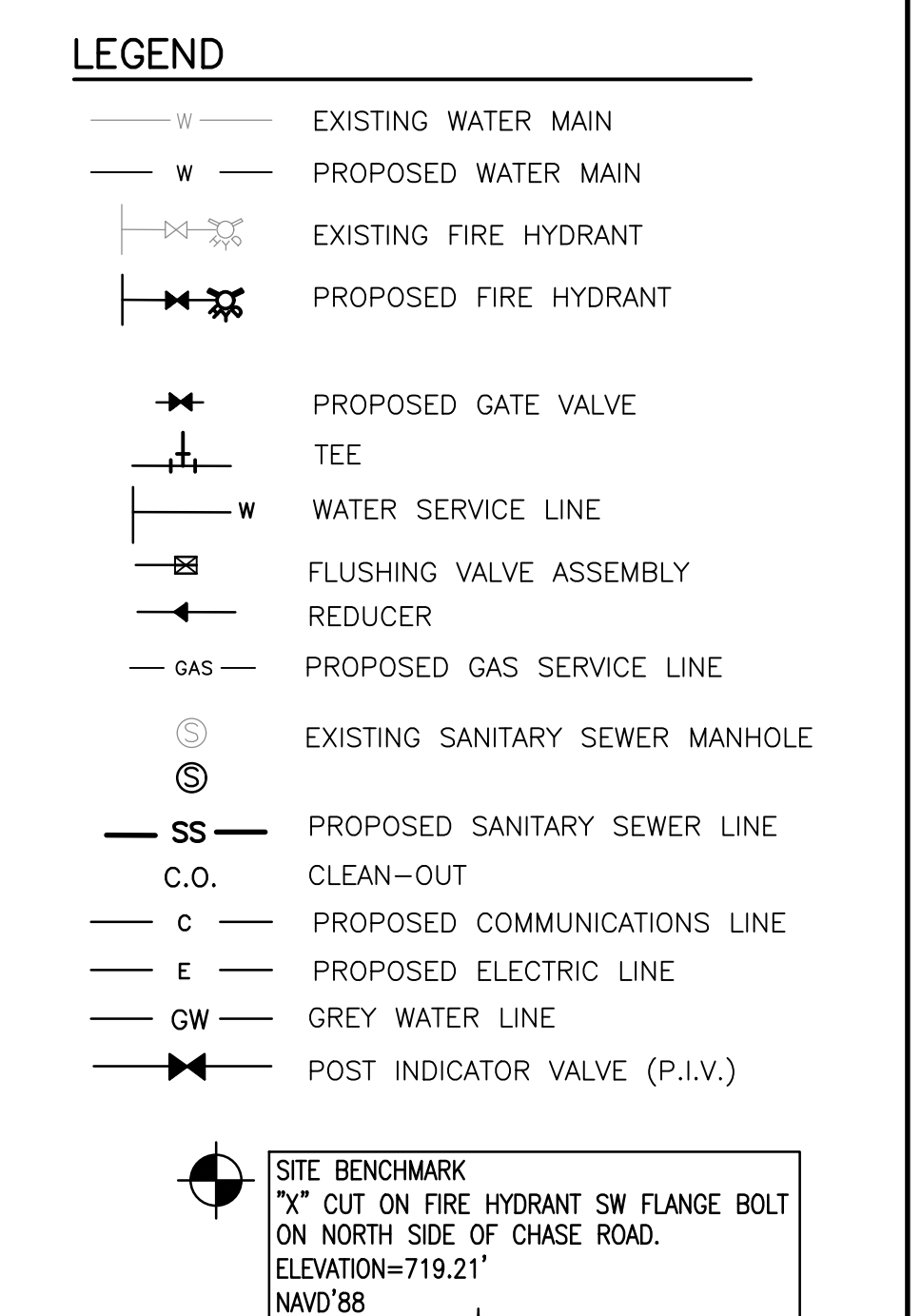
ALSGR / ALS 02/12/2021
DRAWN - CHECKED - DATE

REVISIONS	No.	Description	Date
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	2	Addendum #6	04-02-2021

SHEET TITLE
UTILITY PLAN

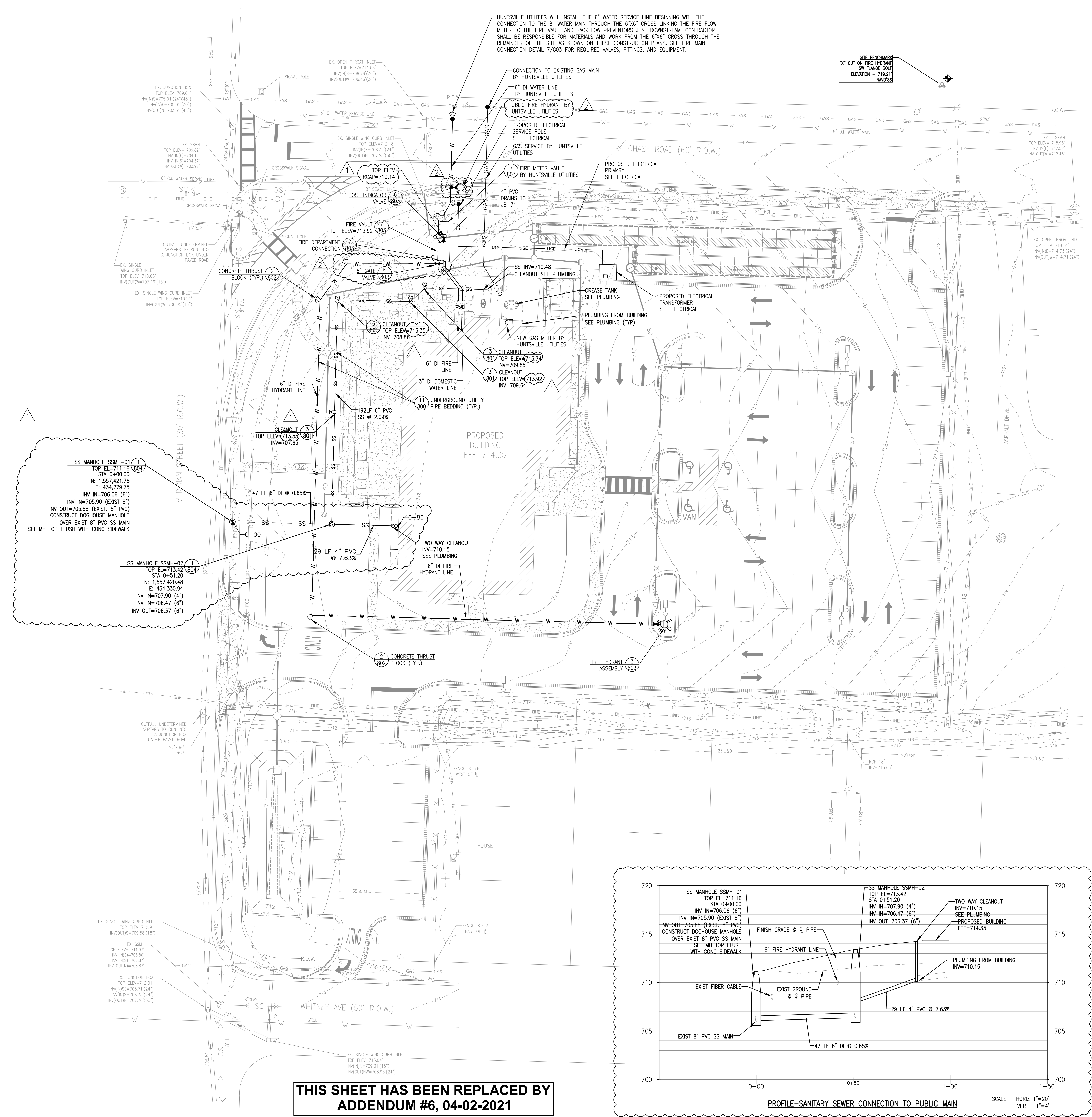
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C701
9 OF 17

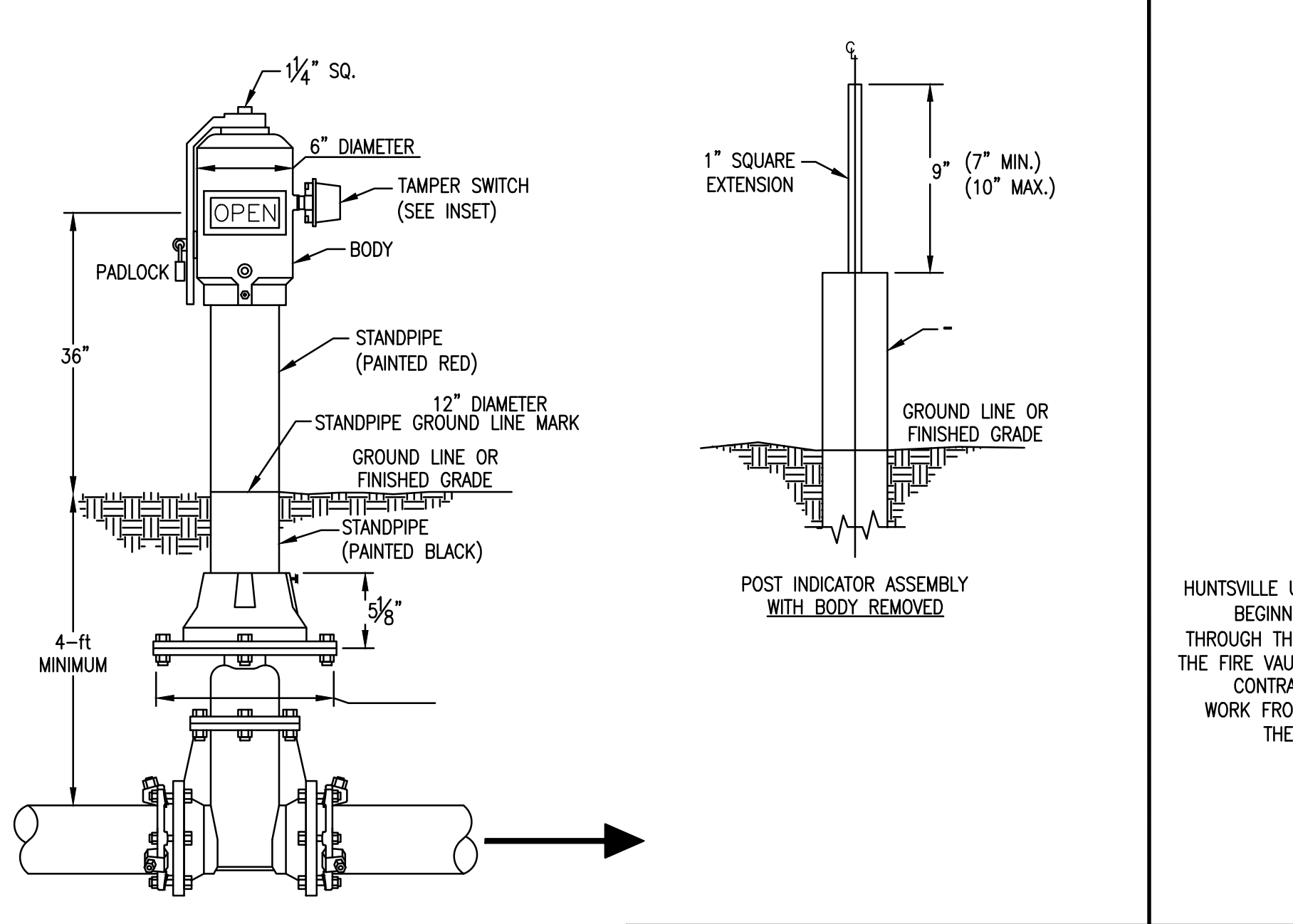
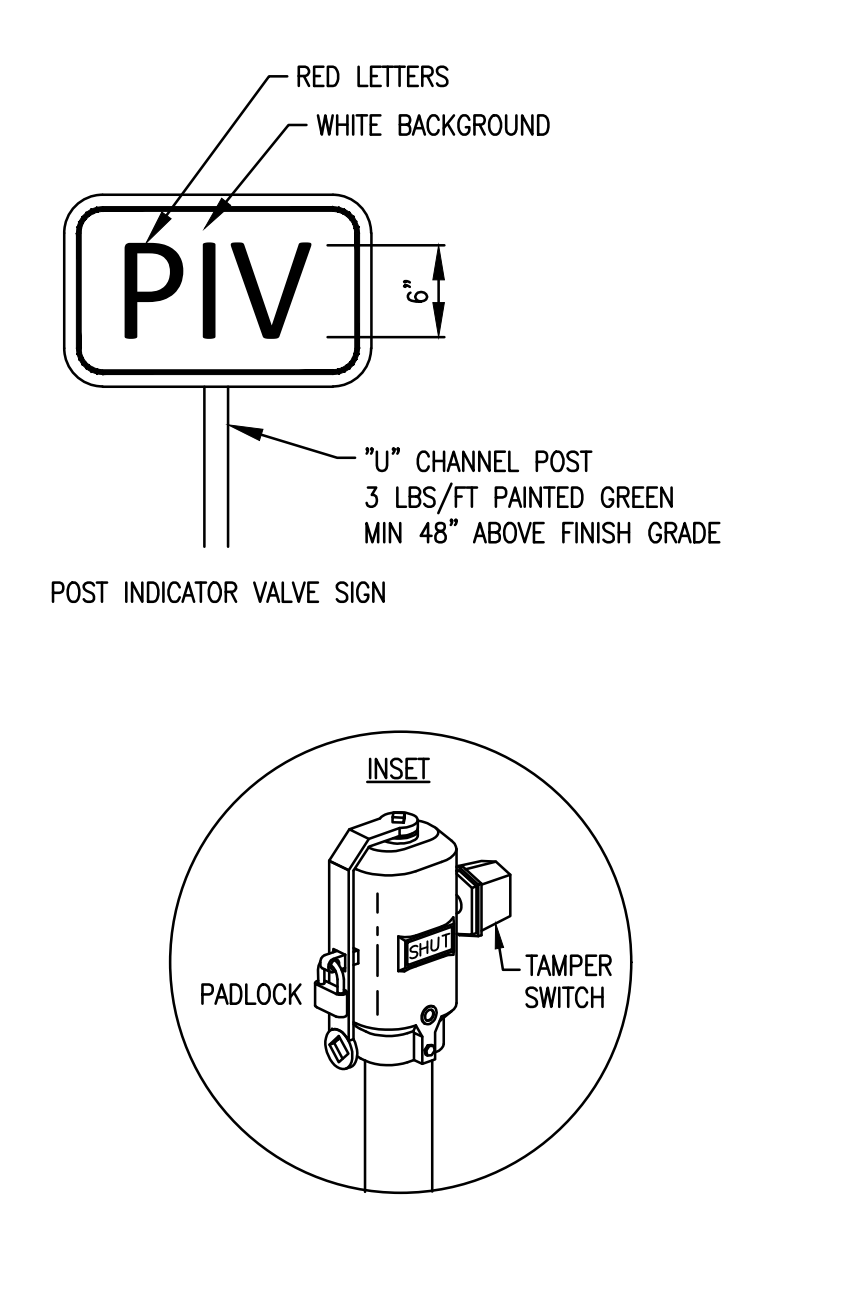
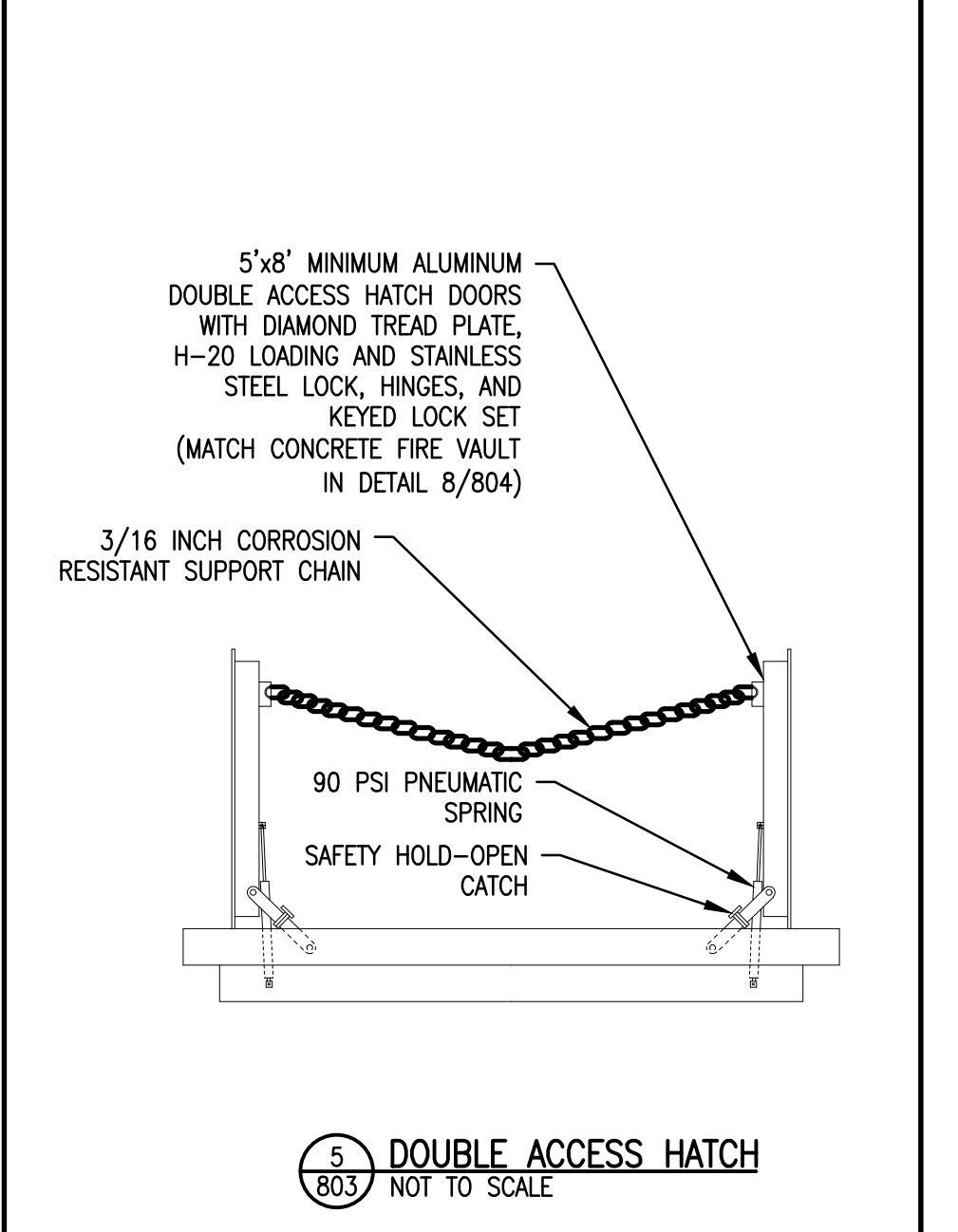
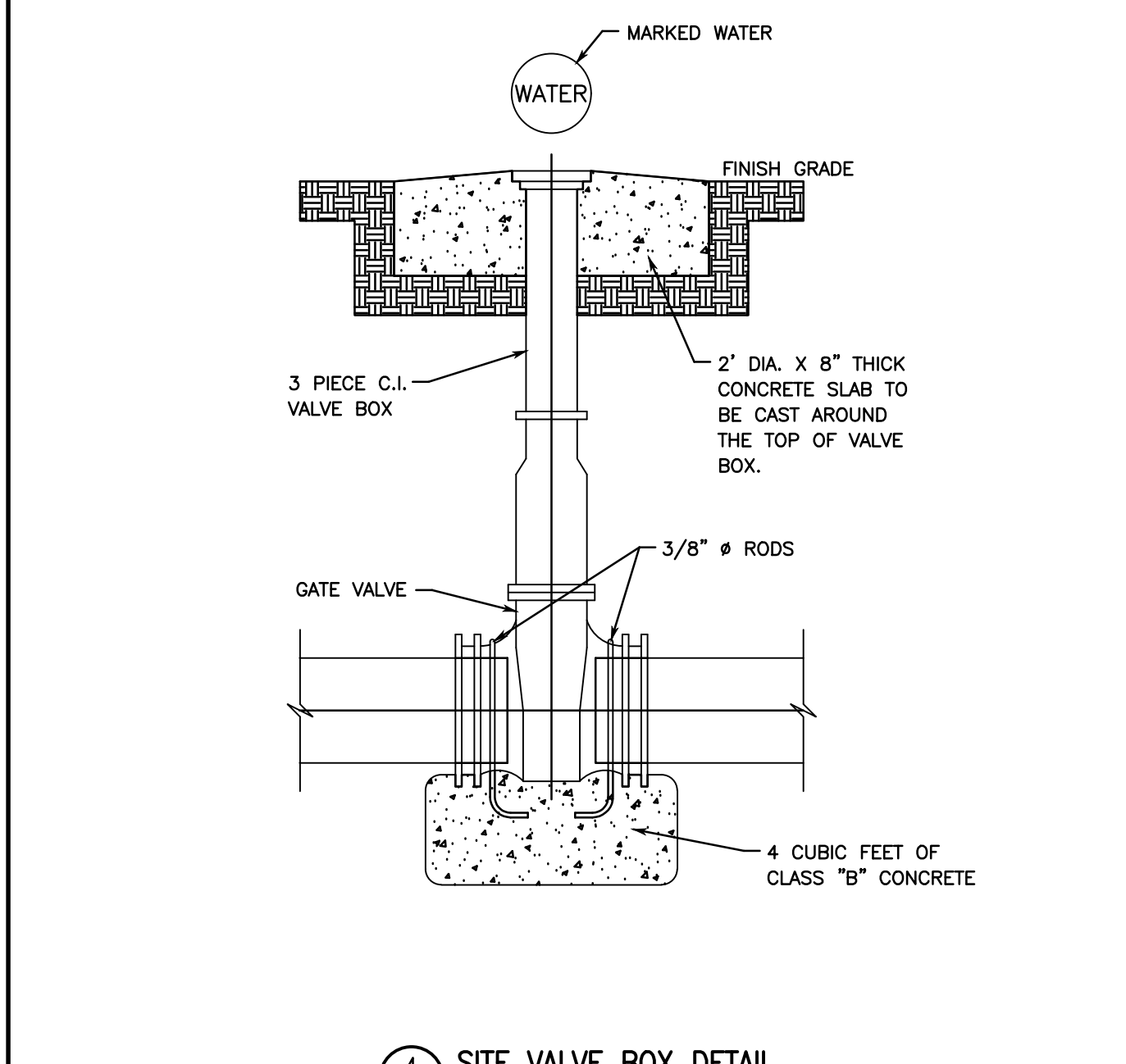
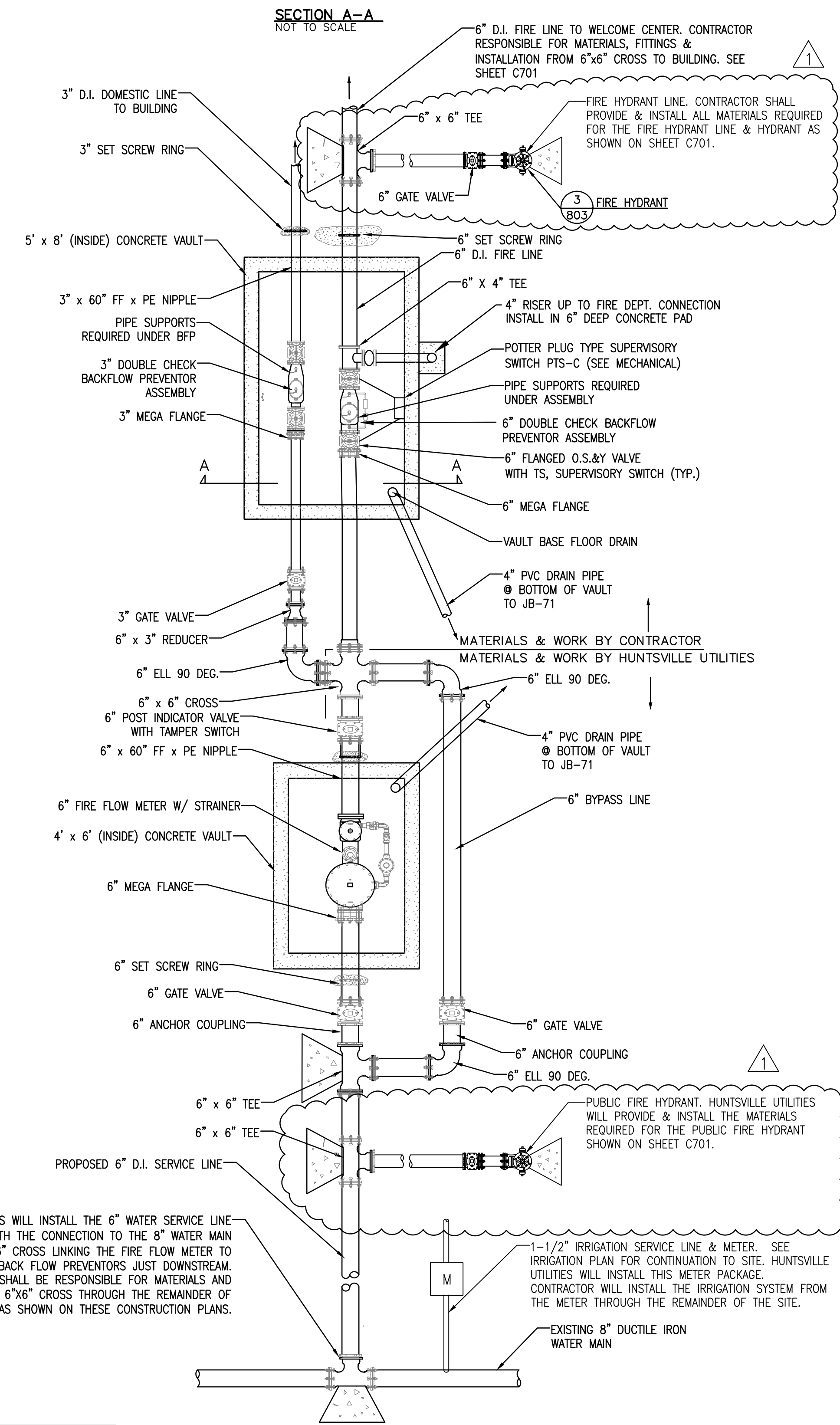
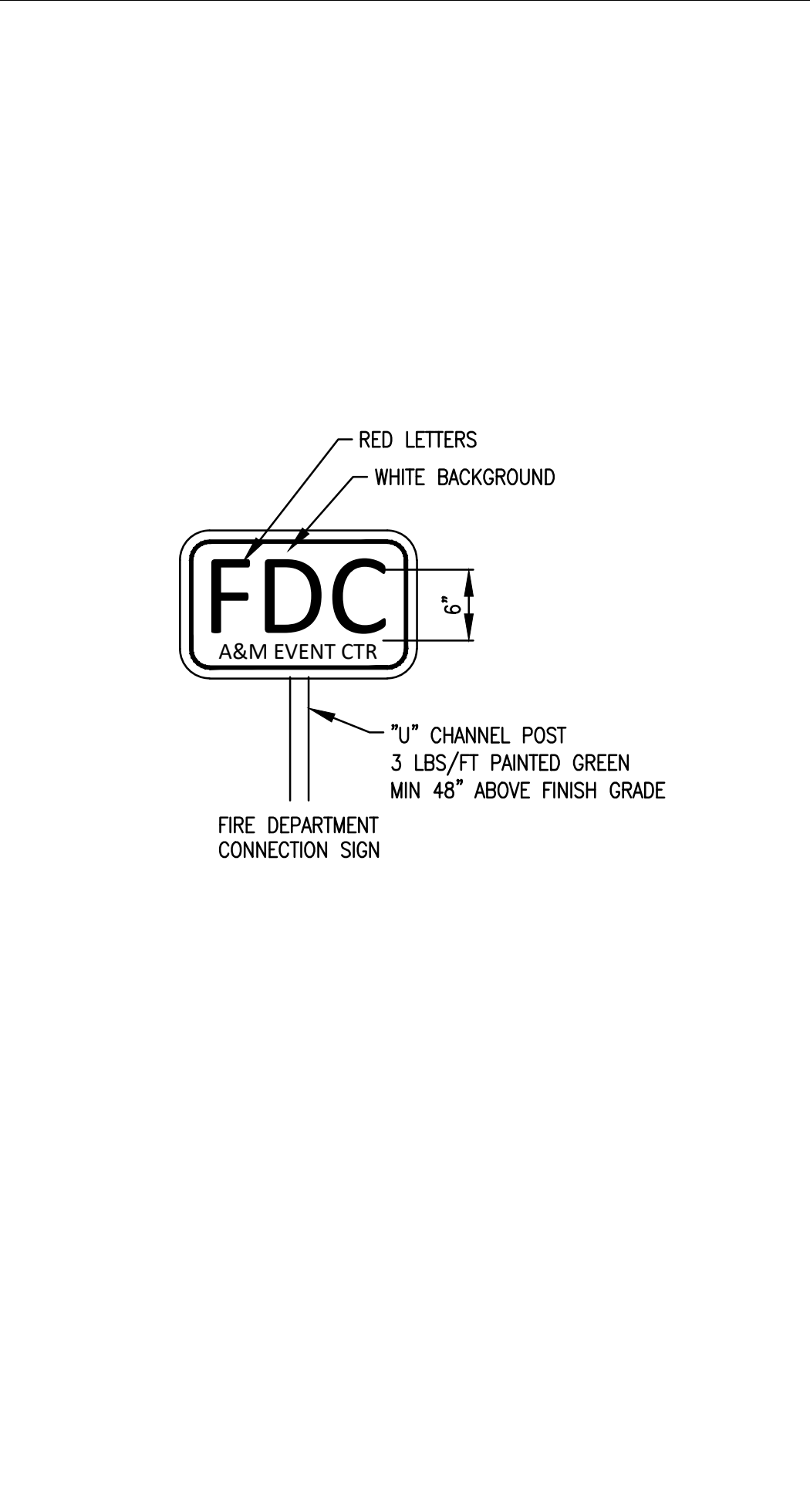
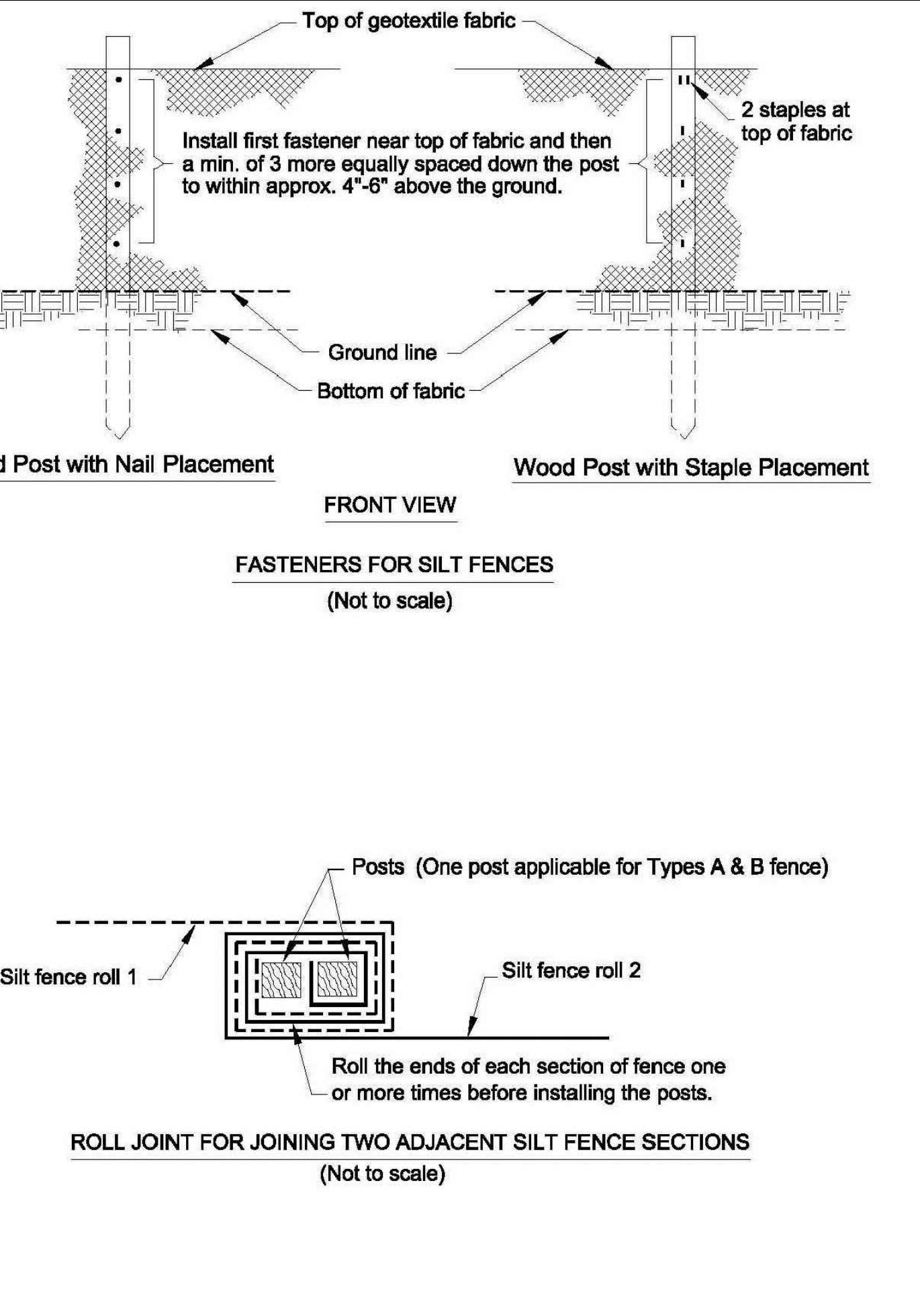
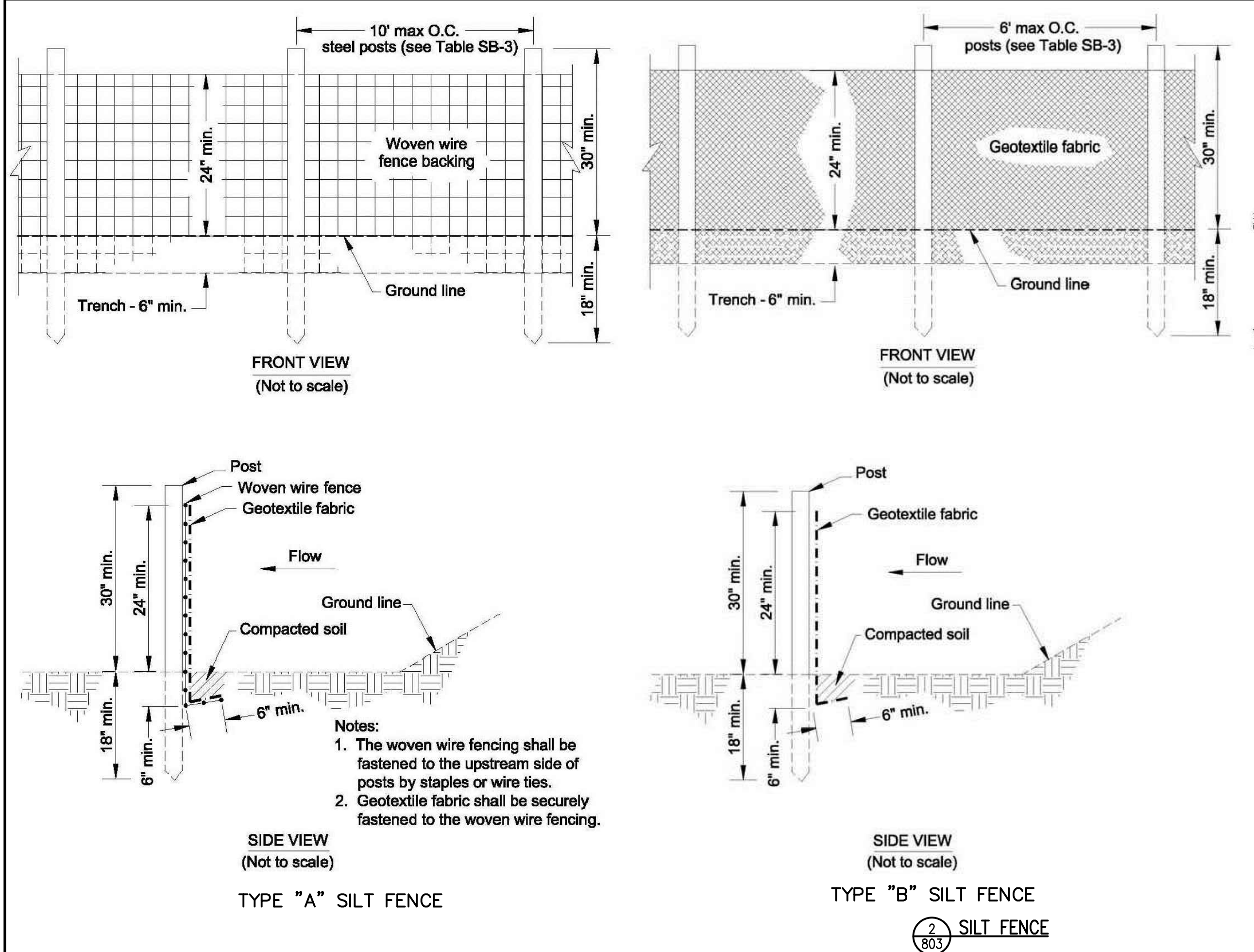
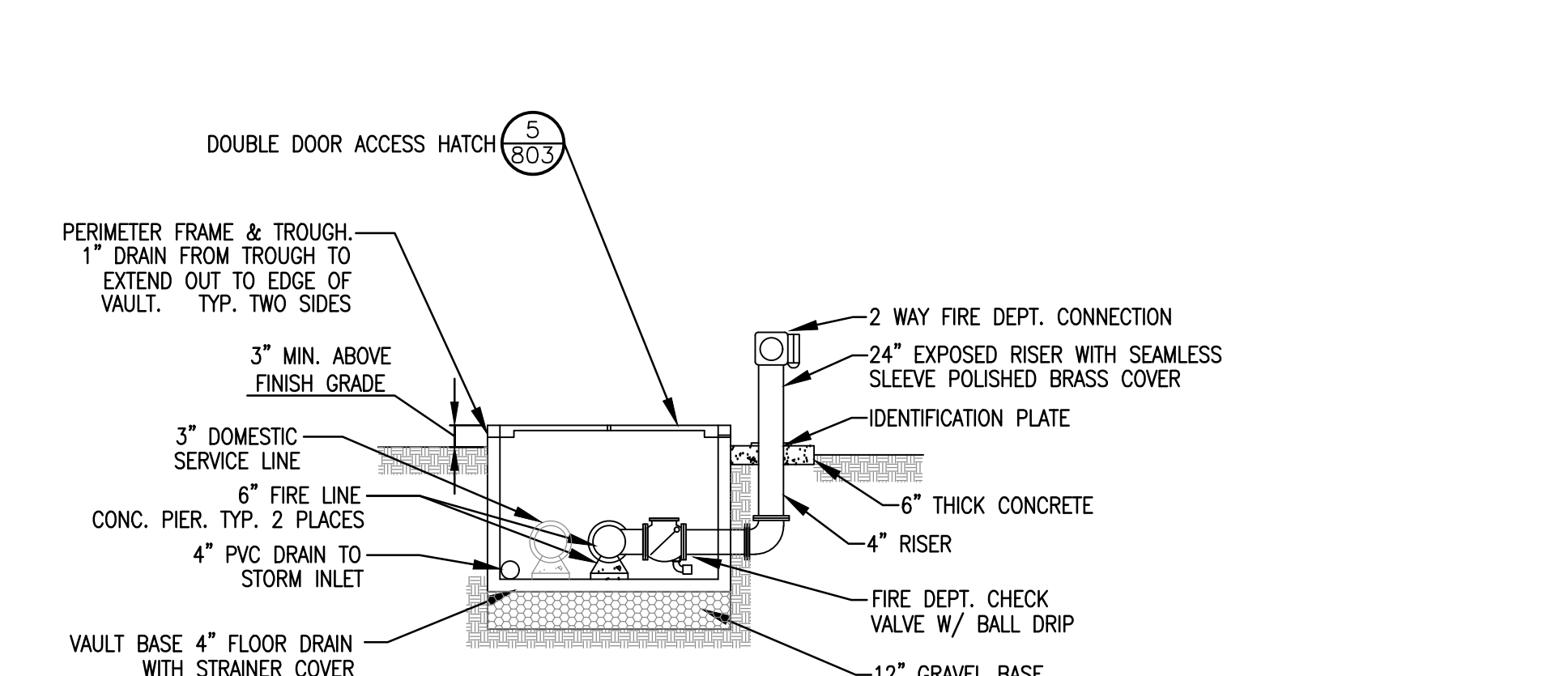
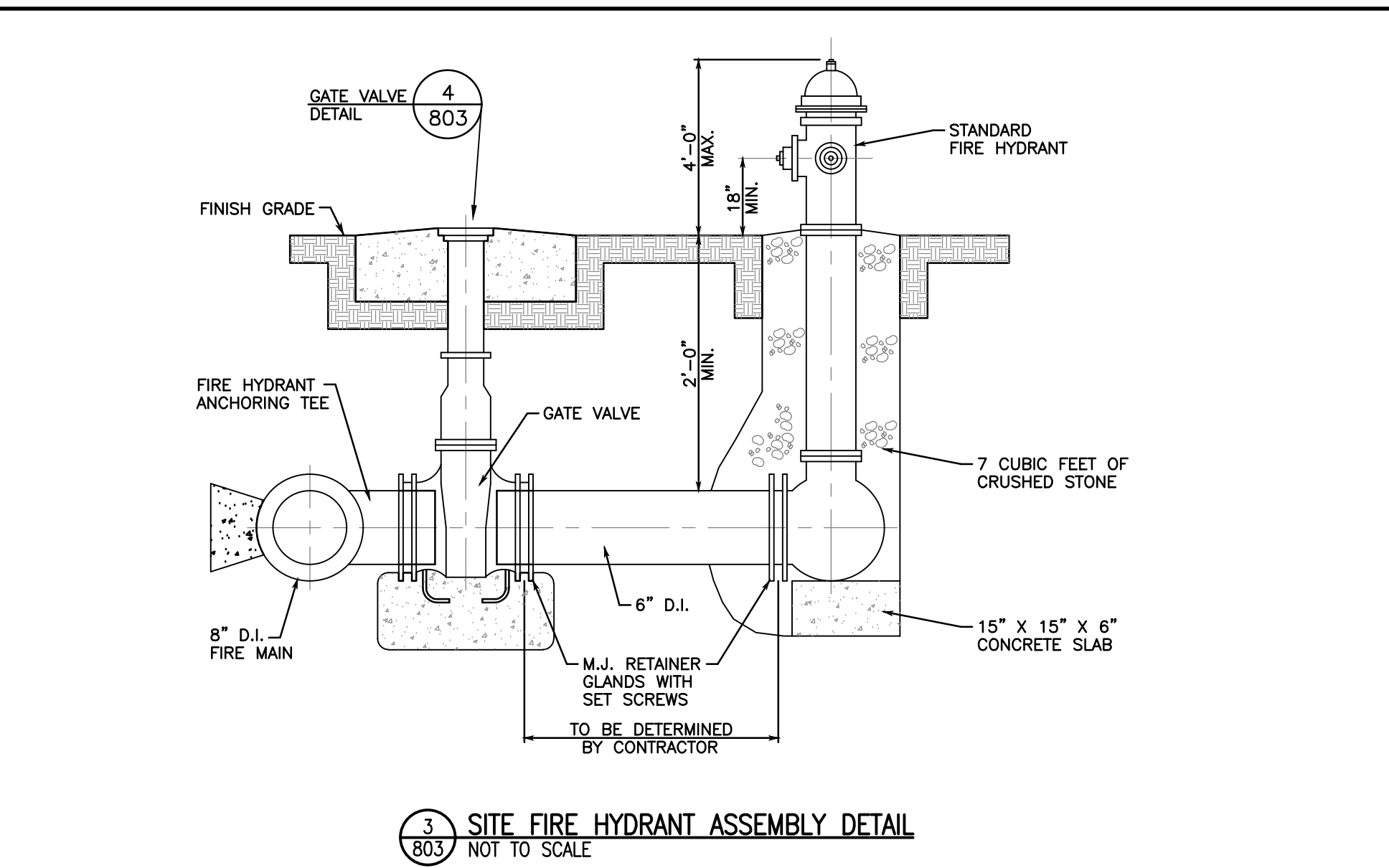
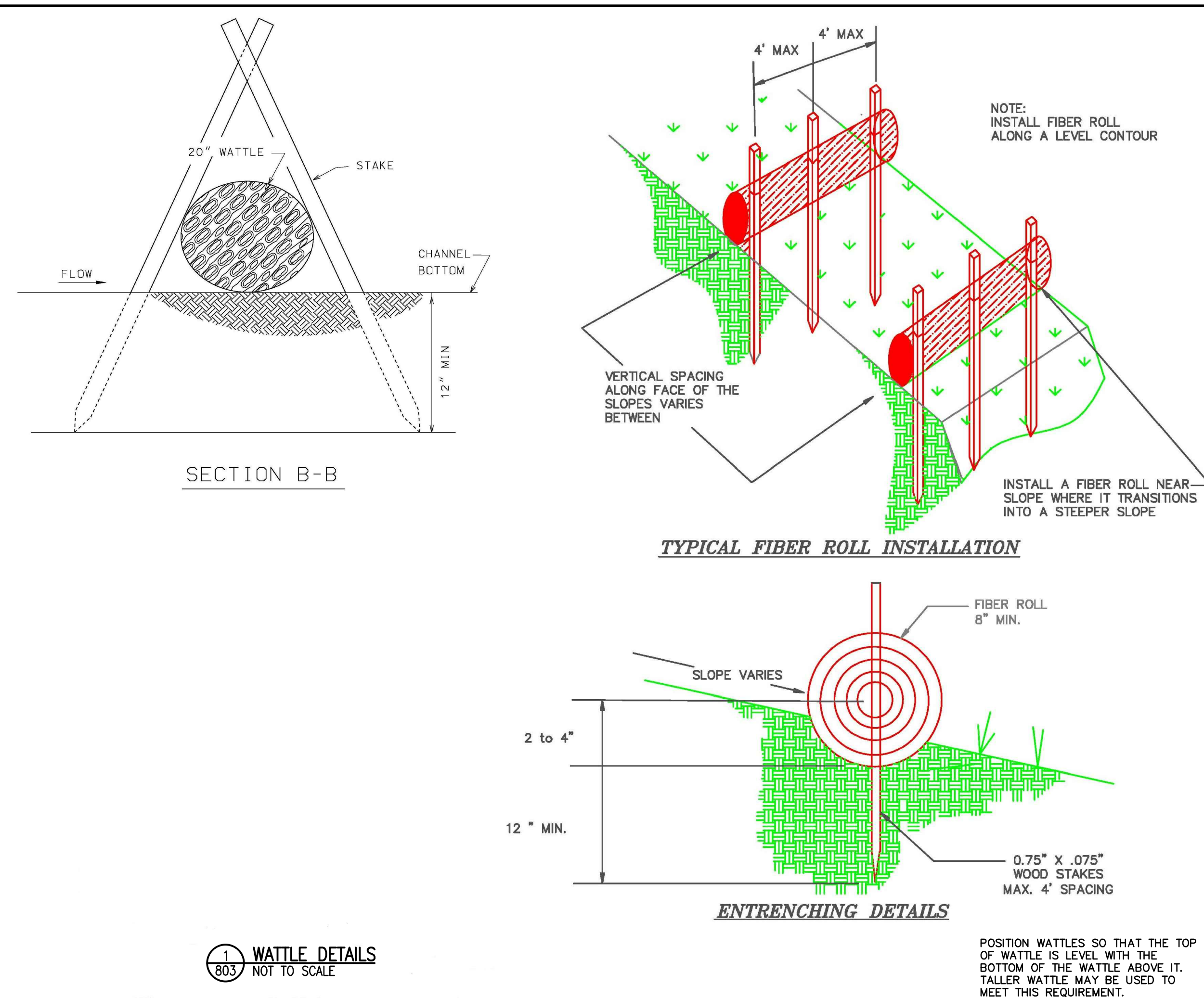
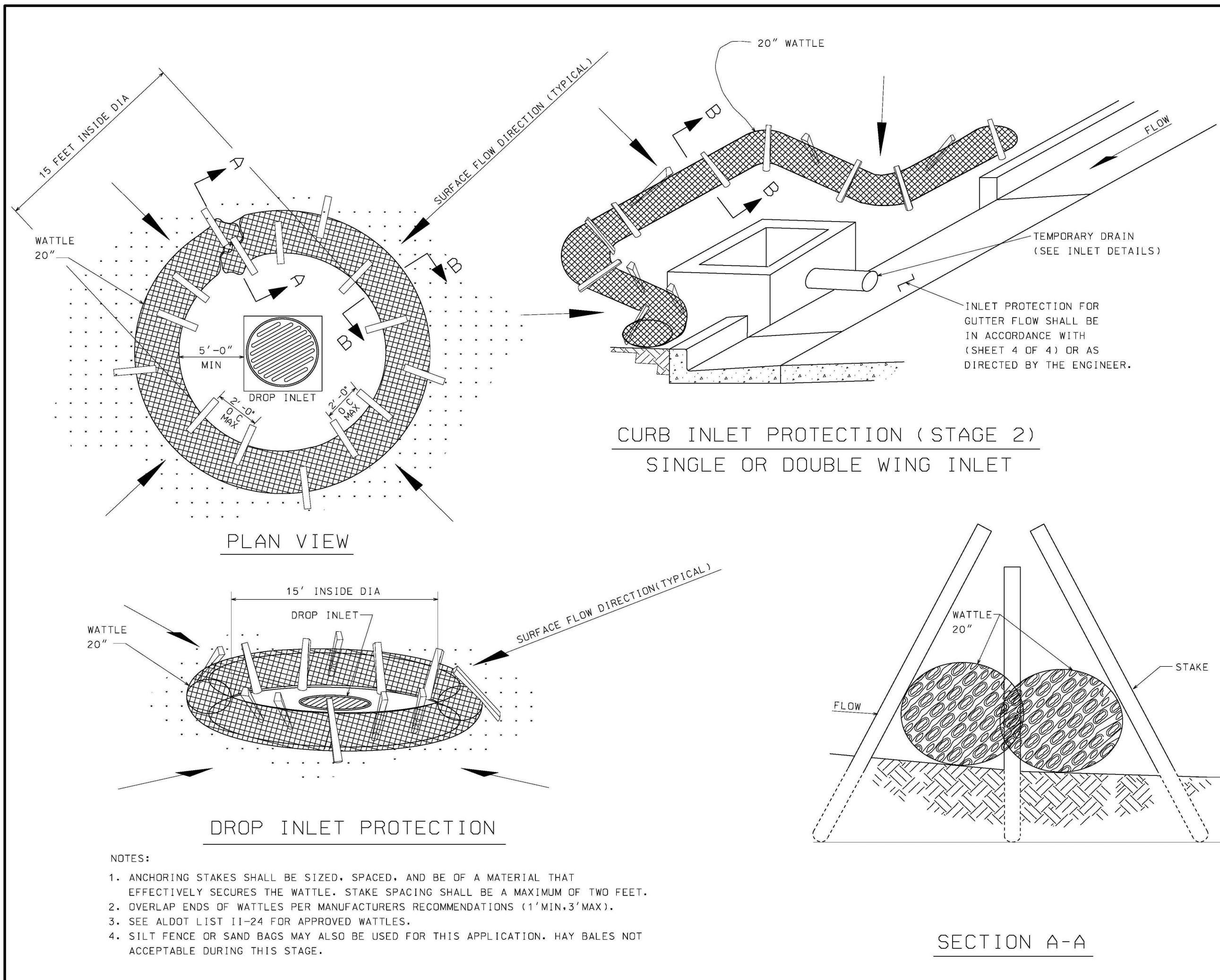
- GENERAL SITE UTILITY NOTES:
- CONTRACTOR TO COORDINATE WITH HUNTSVILLE UTILITIES AND THE CITY OF HUNTSVILLE ENGINEER FOR ALL ELECTRICAL, WATER, AND SEWER INSPECTION REQUIREMENTS, STANDARDS AND GUIDELINES.
 - PROPOSED INSTALLATION OF ALL SANITARY LINES TO MEET CITY OF HUNTSVILLE STANDARDS AND GUIDELINES.
 - ALL SLOPES ON SEWER 4" & 6" LATERALS MUST BE 1.05% MINIMUM (2% PREFERRED). CONTRACTOR TO VERIFY SLOPES FOR ADEQUATE FALL PRIOR TO CONSTRUCTION.
 - CONTRACTOR TO VERIFY ALL PROPOSED UTILITY LOCATIONS AT THE BUILDING WITH THE BUILDING PLANS.
 - MATCH RIM ELEVATIONS FOR SANITARY SEWER CLEANOUTS & RISERS TO FINISH GRADE (TYPICAL).
 - THRUST BLOCKING IS REQUIRED AT ALL CHANGES IN DIRECTION FOR NEW WATER LINES.
 - SITE CONTRACTOR SHALL COORDINATE WITH PLUMBING CONTRACTOR ON SEWER & ROOF DRAIN (RWL) INVERTS.
 - SITE CONTRACTOR SHALL SECURE COPIES OF ALL PROJECT MECHANICAL & ELECTRICAL DRAWINGS.
 - SANITARY SEWER PVC PIPE TO BE SDR-26. SANITARY SEWER DUCTILE IRON PIPE TO BE CLASS 350.
 - ALL WATER LINE WORK SHALL COMPLY WITH HUNTSVILLE UTILITIES STANDARD SPECIFICATIONS AND DETAILS.
 - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION OF EXISTING UTILITIES AND WATER CONNECTIONS PRIOR TO BID.
 - PRIOR TO THE BEGINNING OF CONSTRUCTION, IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CONTACT THE CITY OF HUNTSVILLE ENGINEER AND HUNTSVILLE UTILITIES TO SCHEDULE A PRE-CONSTRUCTION MEETING. THE PURPOSE OF THIS MEETING WILL BE TO ENSURE ALL REQUIRED PLANS HAVE BEEN SUBMITTED AND APPROVED BEFORE CONSTRUCTION BEGINS.
 - ALL UNDERGROUND FIRE MAINS REQUIRE A PRESSURE TEST AND INSPECTION BY THE LOCAL FIRE MARSHALL BEFORE BEING COVERED. IF CONTRACTOR COVERS FIRE MAIN BEFORE INSPECTION THEY WILL BE REQUIRED TO UNCOVER PIPING. CALL 256.464.8425 TO SET UP INSPECTION.
 - THIS STAMPED SET OF DRAWINGS SHALL BE ON SITE AT ALL TIMES DURING CONSTRUCTION AS WELL AS UPON FINAL INSPECTION.
 - SITE FIRE LINES OUTSIDE THE BUILDING SHALL NOT BE CONSTRUCTED UNTIL THE FIRE PROTECTION CONTRACTOR HAS COMPLETED THE BUILDING FIRE PROTECTION DESIGN AND THE REQUIRED FIRE LINE SIZE TO THE BUILDING HAS BEEN CONFIRMED WITH THE ENGINEER.
 - BEFORE MAKING A SERVICE CONNECTION TO EITHER A SANITARY SEWER LINE OR MANHOLE, THE DEVELOPER/CONTRACTOR MUST COORDINATE THE CONNECTION WITH THE CITY OF HUNTSVILLE WATER POLLUTION CONTROL DEPARTMENT. TO SCHEDULE YOUR INSPECTION, PLEASE CALL THE WATER POLLUTION CONTROL DEPARTMENT AT 256-883-3719. ALL CONNECTIONS MUST FOLLOW THE SERVICE LATERAL GUIDELINES AS DESCRIBED IN SECTION 5.0 OF THE CITY OF HUNTSVILLE'S DESIGN AND ACCEPTANCE MANUAL FOR SANITARY SEWERS. PLEASE ALLOW A MINIMUM OF 48 HOURS FOR EACH RESPONSE.
 - THE COST TO RELOCATE ANY HUNTSVILLE UTILITIES FACILITIES DUE TO THIS PROJECT MUST BE PAID BY THE DEVELOPER OR PROPERTY OWNER.
 - WATER PRESSURE REGULATORS ARE REQUIRED FOR ALL LOTS / UNITS.



**THIS SHEET HAS BEEN REPLACED BY
ADDENDUM #6, 04-02-2021**

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ALABAMA A&M UNIVERSITY
WELCOME CENTER
4800 MERIDIAN ST HUNTSVILLE, ALABAMA

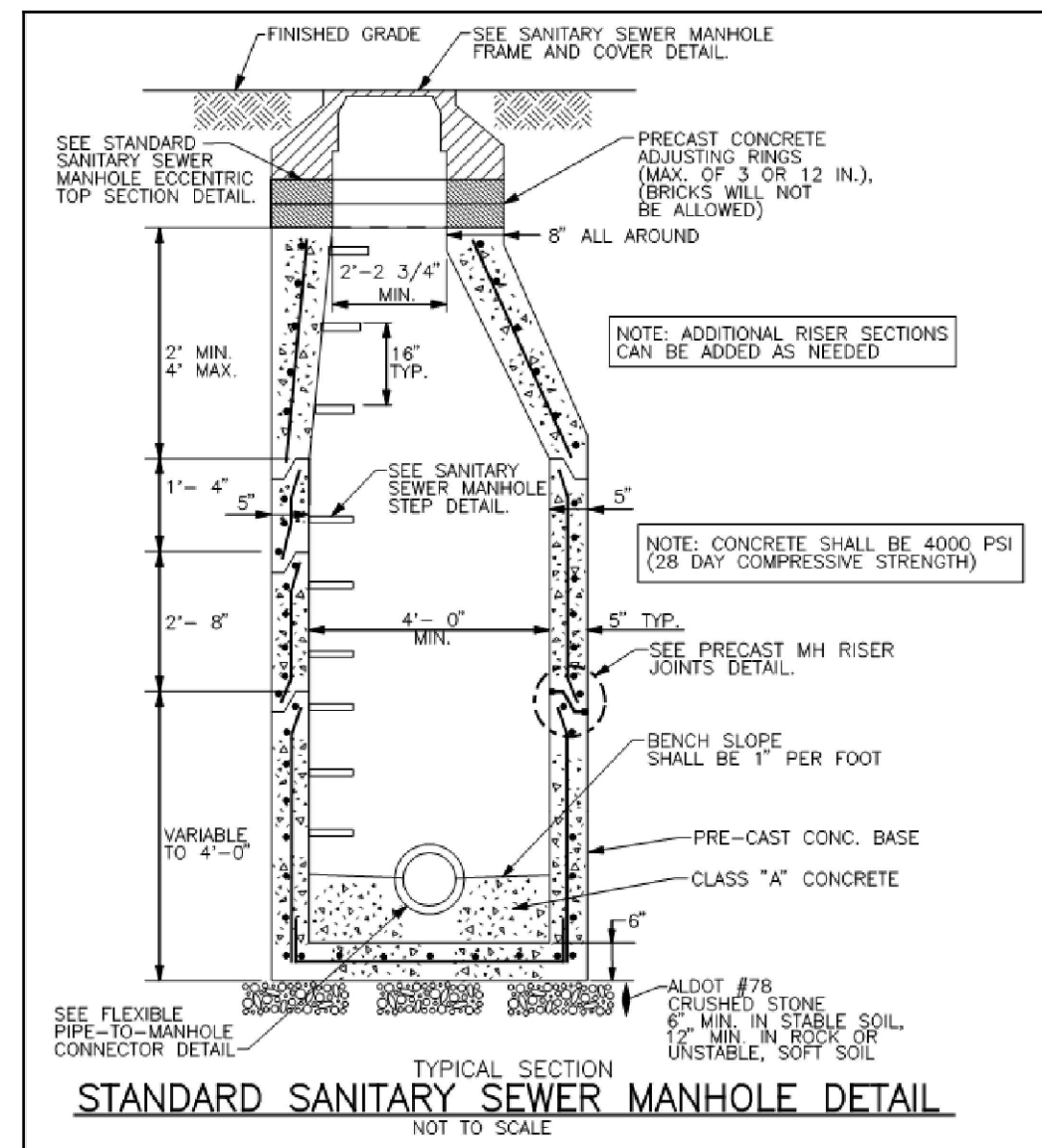
JOB NUMBER
18994

ALSGR/ ALS 02/12/2021
DRAWN - CHECKED - DATE

REVISIONS
No. Description Date
1 Addendum #6 04-02-2021

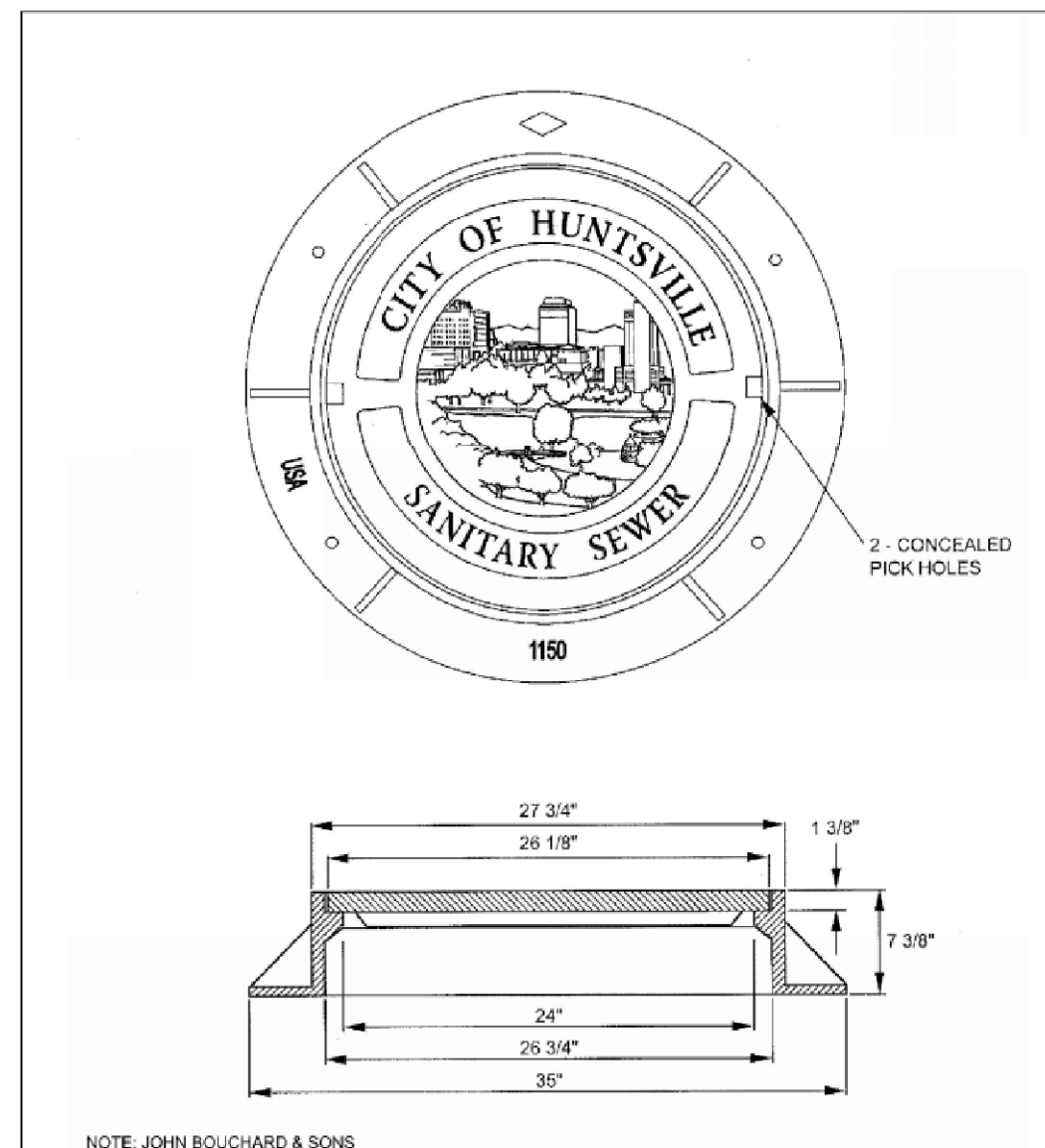
SHEET TITLE
CONSTRUCTION DETAILS

SHEET NUMBER
C803
13 OF 17



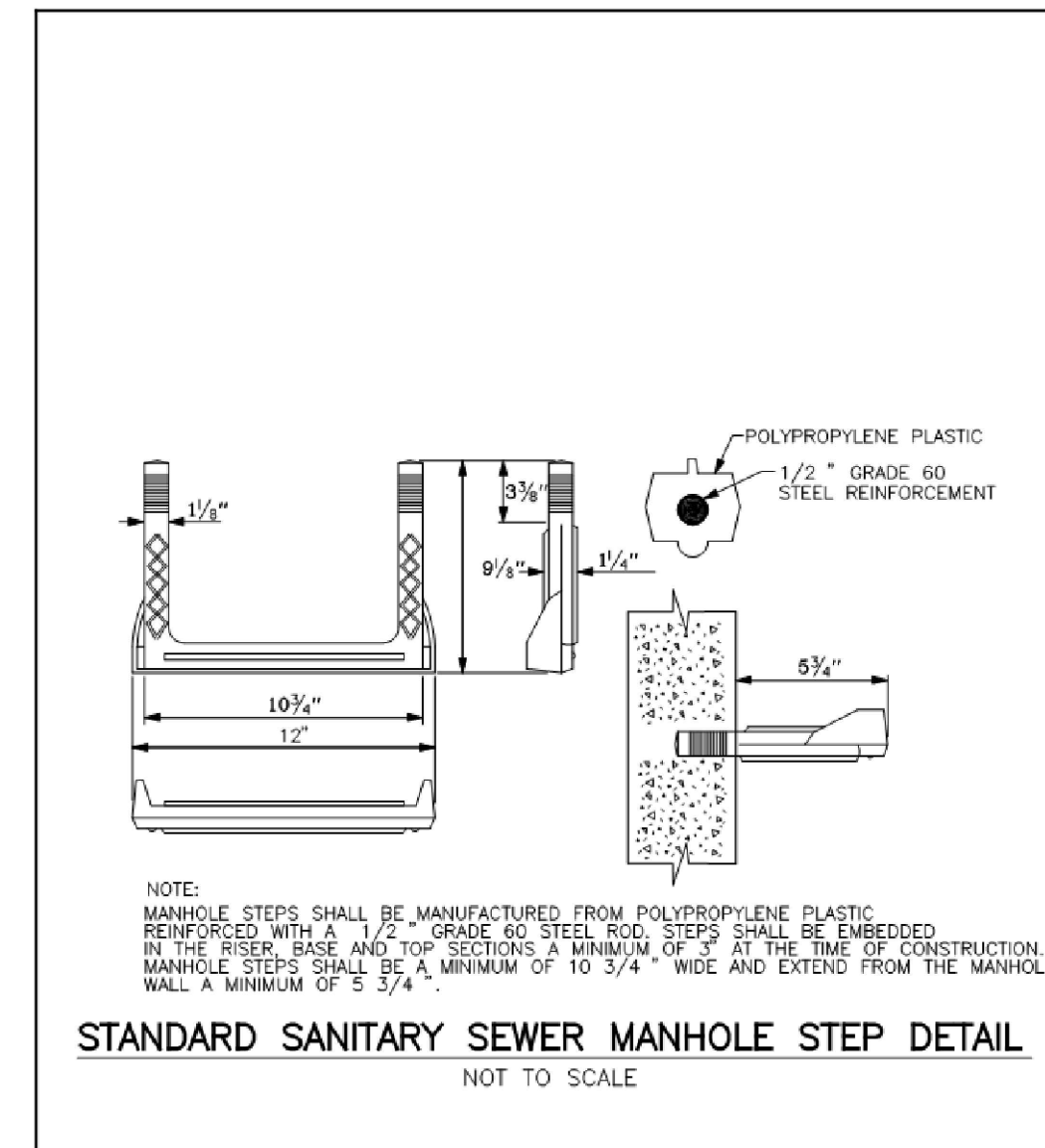
STANDARD SANITARY SEWER MANHOLE DETAIL
NOT TO SCALE

CITY OF HUNTSVILLE
STANDARD SANITARY SEWER
MANHOLE DETAIL
CITY ENGINEERING DIVISION
CITY OF HUNTSVILLE, ALABAMA SD-1
REVISED NOVEMBER 2005



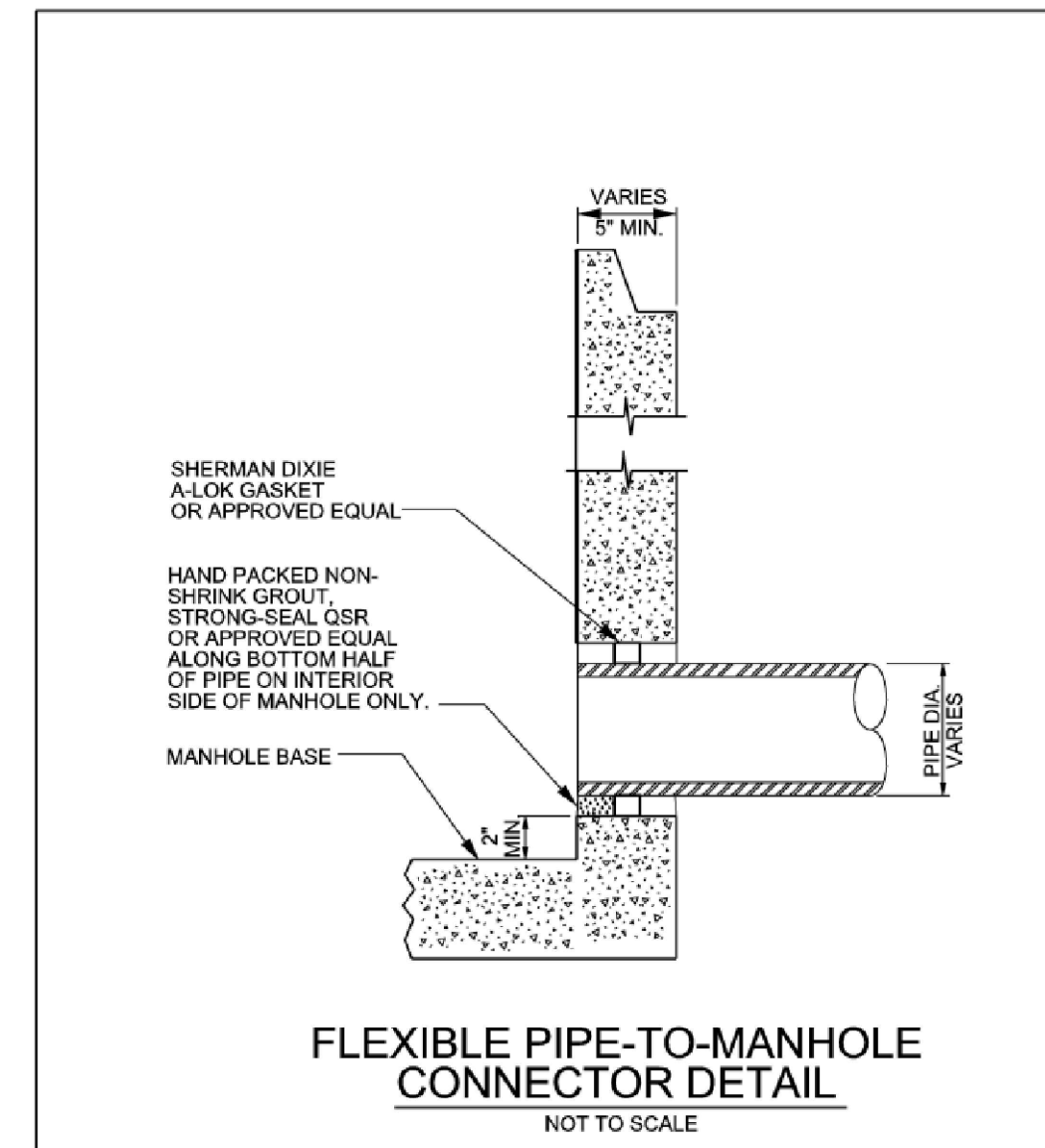
SANITARY SEWER MANHOLE FRAME AND COVER DETAIL
NOT TO SCALE

CITY OF HUNTSVILLE
SANITARY SEWER MANHOLE
FRAME AND COVER DETAIL
CITY ENGINEERING DIVISION
CITY OF HUNTSVILLE, ALABAMA SD-3
REVISED JAN 2006



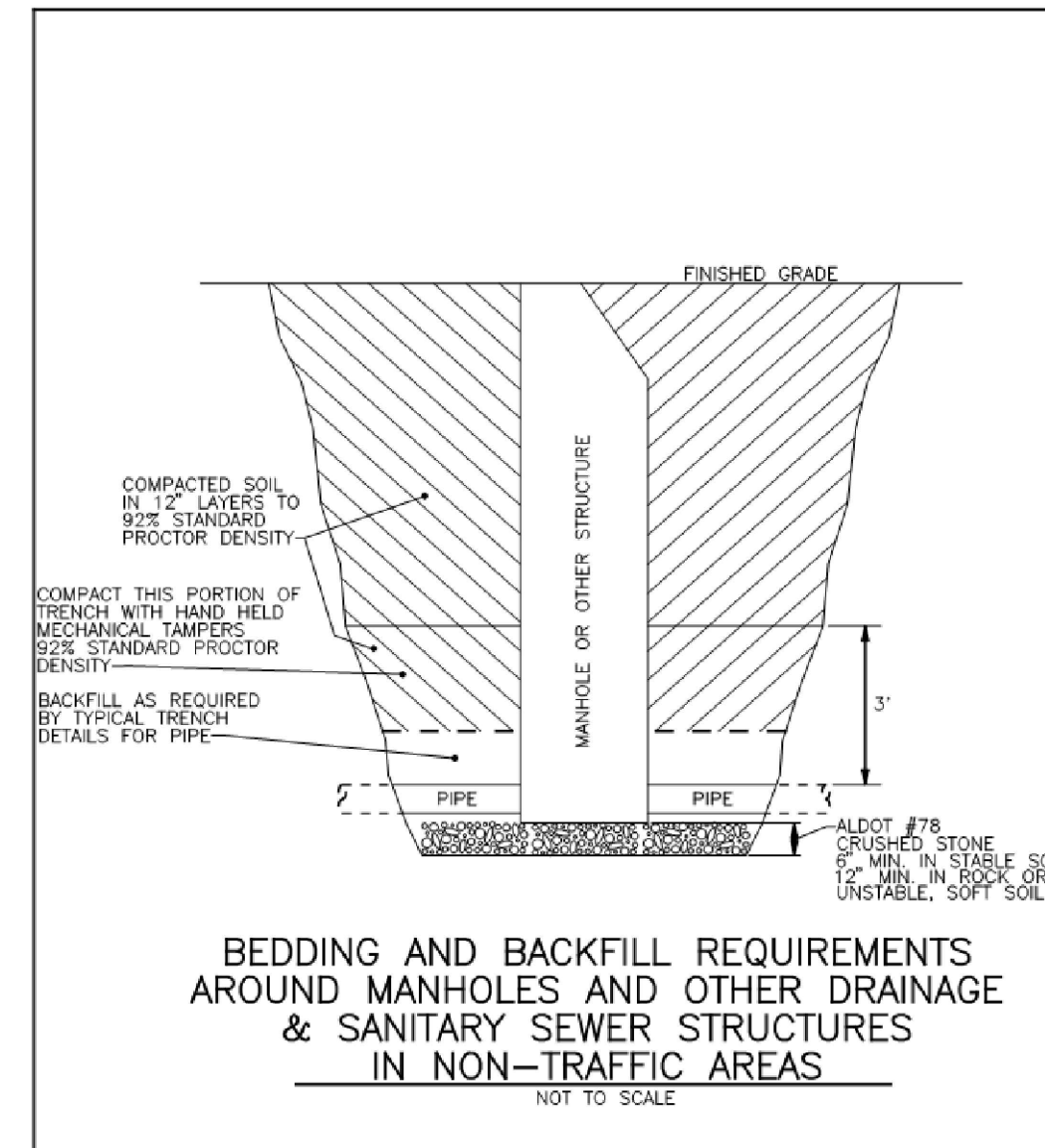
STANDARD SANITARY SEWER MANHOLE STEP DETAIL
NOT TO SCALE

CITY OF HUNTSVILLE
STANDARD SANITARY SEWER
MANHOLE STEP DETAIL
CITY ENGINEERING DIVISION
CITY OF HUNTSVILLE, ALABAMA SD-6
REVISED NOVEMBER 2005



FLEXIBLE PIPE-TO-MANHOLE CONNECTOR DETAIL
NOT TO SCALE

CITY OF HUNTSVILLE
FLEXIBLE PIPE-TO-MANHOLE
CONNECTOR DETAIL
CITY ENGINEERING DIVISION
CITY OF HUNTSVILLE, ALABAMA SD-7
REVISED APRIL 2009



BEDDING AND BACKFILL REQUIREMENTS AROUND MANHOLES AND OTHER DRAINAGE & SANITARY SEWER STRUCTURES IN NON-TRAFFIC AREAS
NOT TO SCALE

CITY OF HUNTSVILLE
BEDDING AND BACKFILL REQUIREMENTS
AROUND MANHOLES IN NON-TRAFFIC AREAS
CITY ENGINEERING DIVISION
CITY OF HUNTSVILLE, ALABAMA SD-9
REVISED NOVEMBER 2005

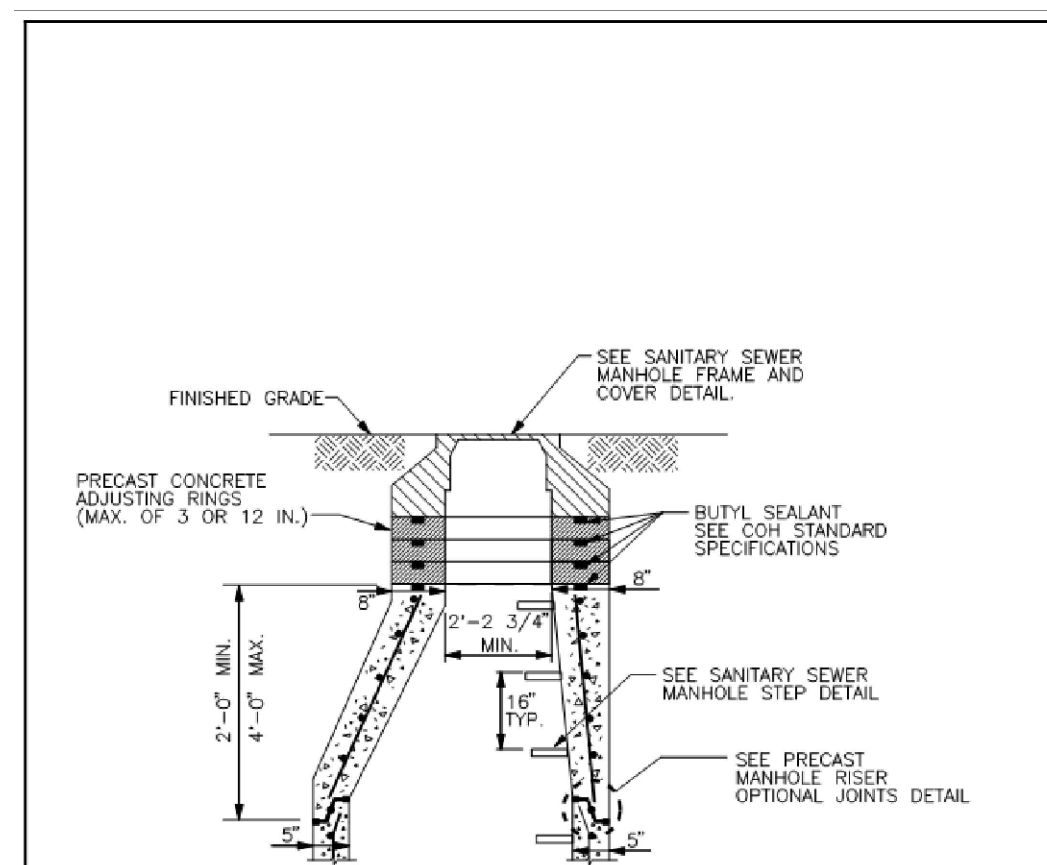
1 STANDARD SANITARY SEWER MANHOLE DETAIL
804 NOT TO SCALE

2 SANITARY SEWER MANHOLE FRAME & COVER DETAIL
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3 SANITARY SEWER MANHOLE STEP DETAIL
804 NOT TO SCALE

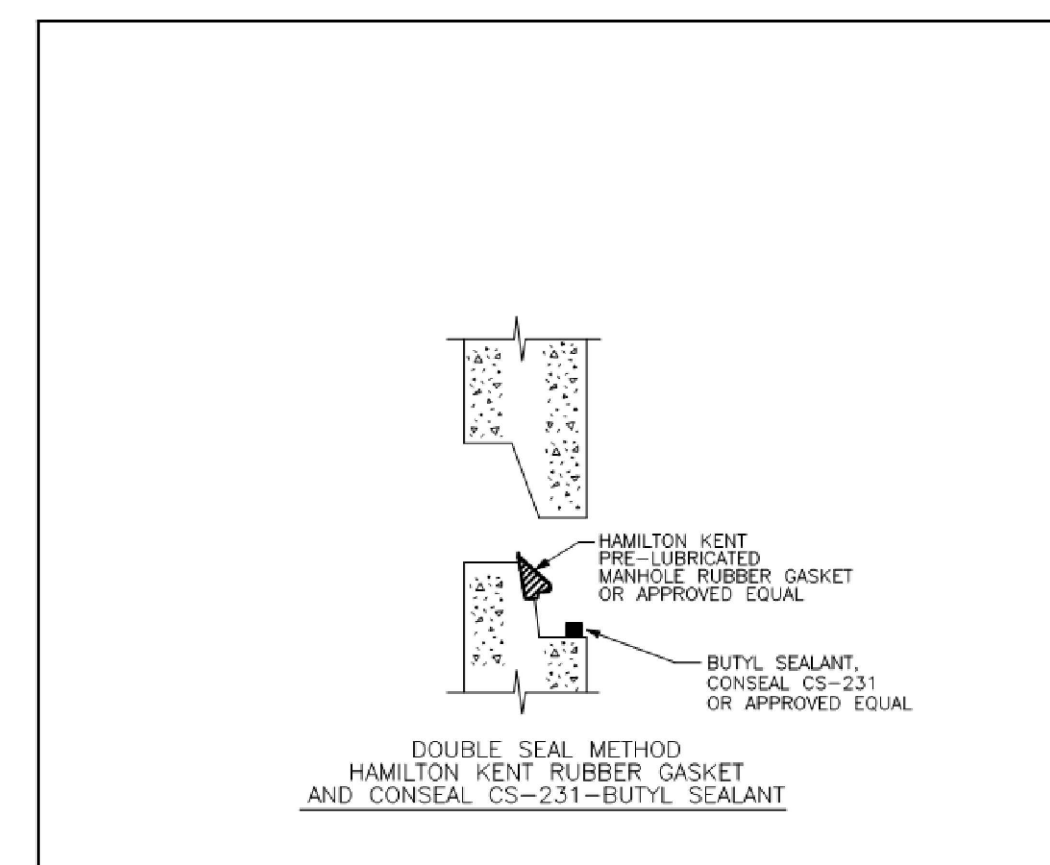
4 FLEXIBLE PIPE TO MANHOLE CONNECTOR DETAIL
804 NOT TO SCALE

5 MANHOLE NON-TRAFFIC BEDDING DETAIL
804 NOT TO SCALE



STANDARD SANITARY SEWER MANHOLE ECCENTRIC TOP SECTION DETAIL
NOT TO SCALE

CITY OF HUNTSVILLE
STANDARD SANITARY SEWER MANHOLE
ECCENTRIC TOP SECTION DETAIL
CITY ENGINEERING DIVISION
CITY OF HUNTSVILLE, ALABAMA SD-2
REVISED NOVEMBER 2005

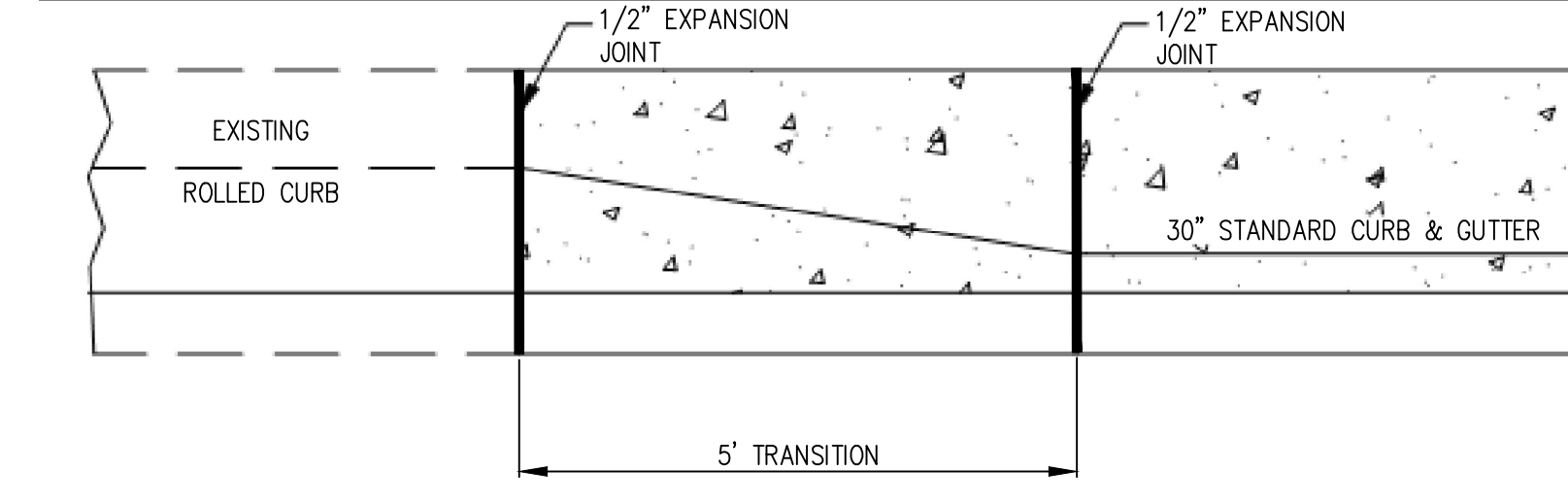


PRECAST MANHOLE RISER JOINT DETAIL
NOT TO SCALE

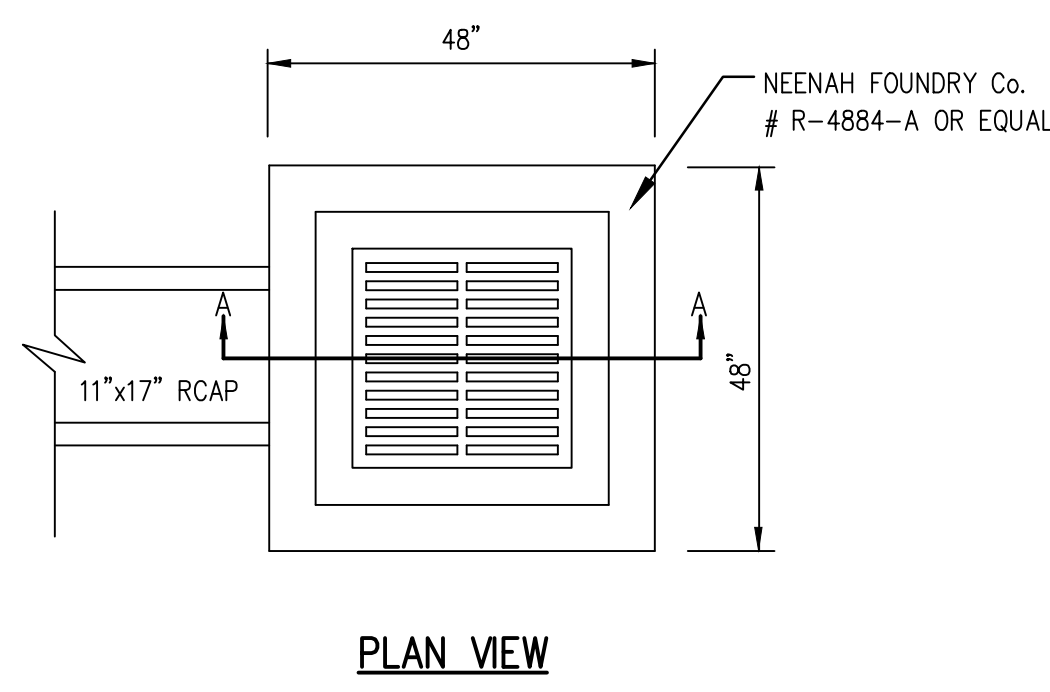
CITY OF HUNTSVILLE
PRECAST MANHOLE RISER JOINT
CITY ENGINEERING DIVISION
CITY OF HUNTSVILLE, ALABAMA SD-5
REVISED NOVEMBER 2005

ONLY

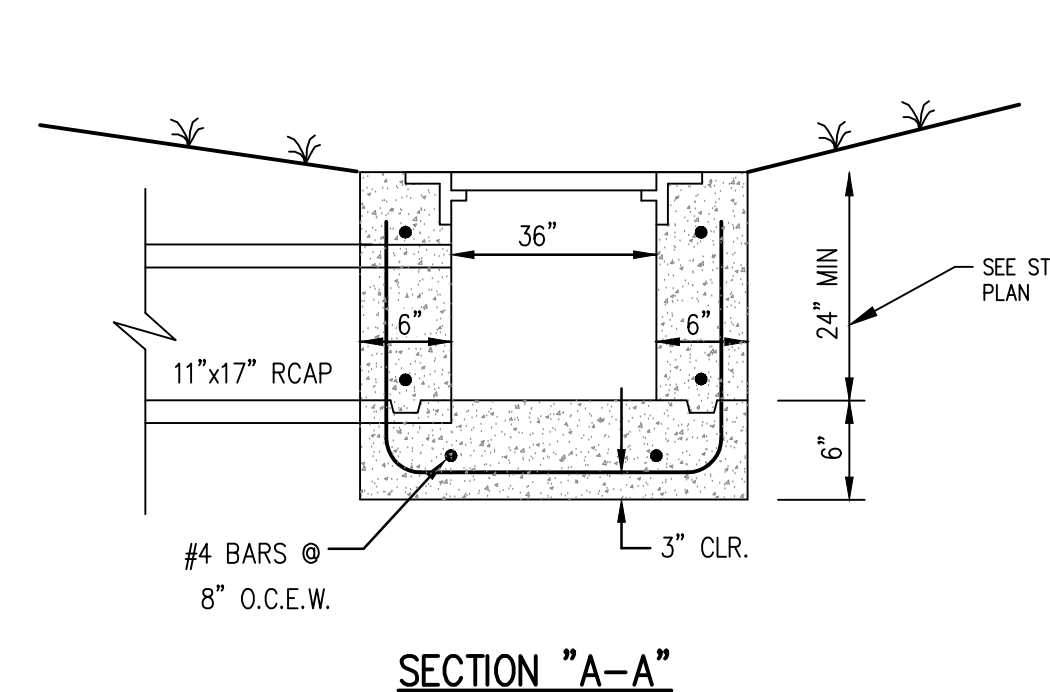
8 TRAFFIC CONTROL LEGEND
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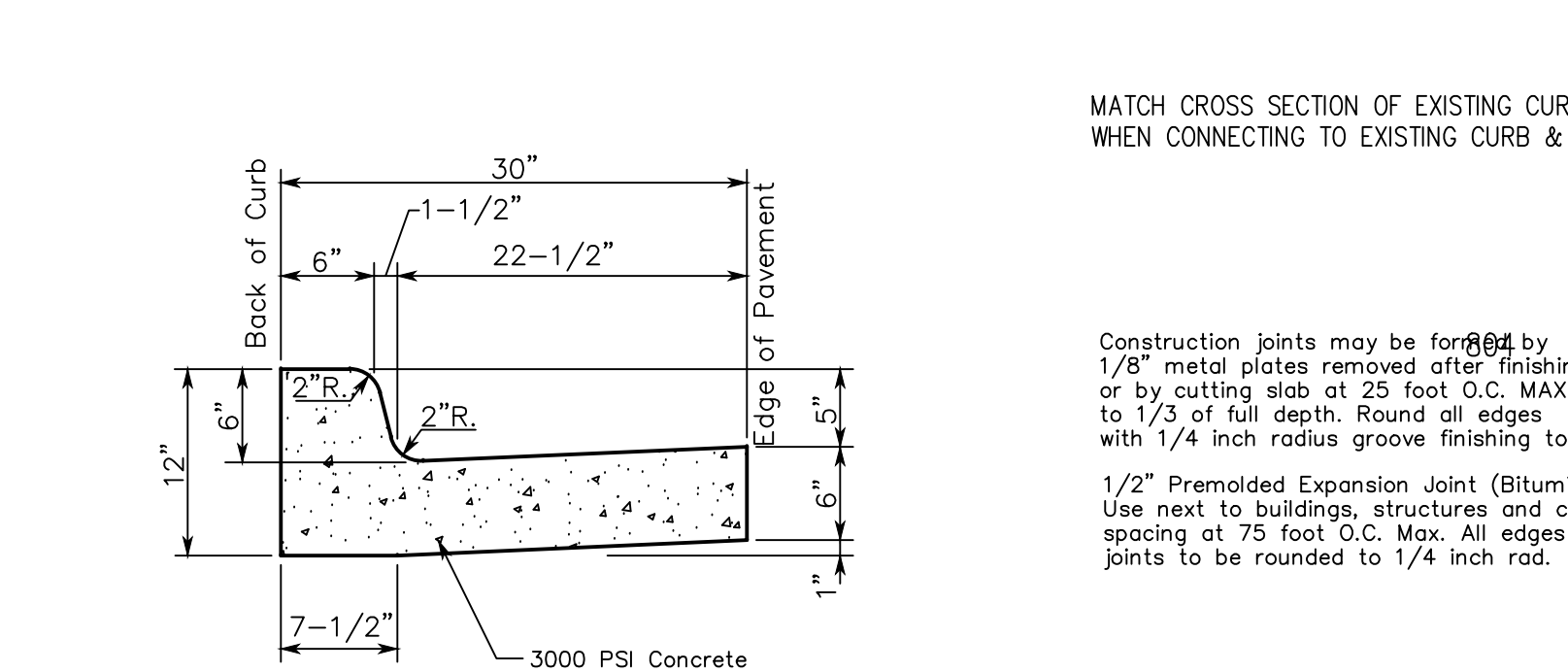
11 TRANSITION FROM EXISTING 30" ROLLED CURB TO 30" STANDARD CURB & GUTTER
NOT TO SCALE



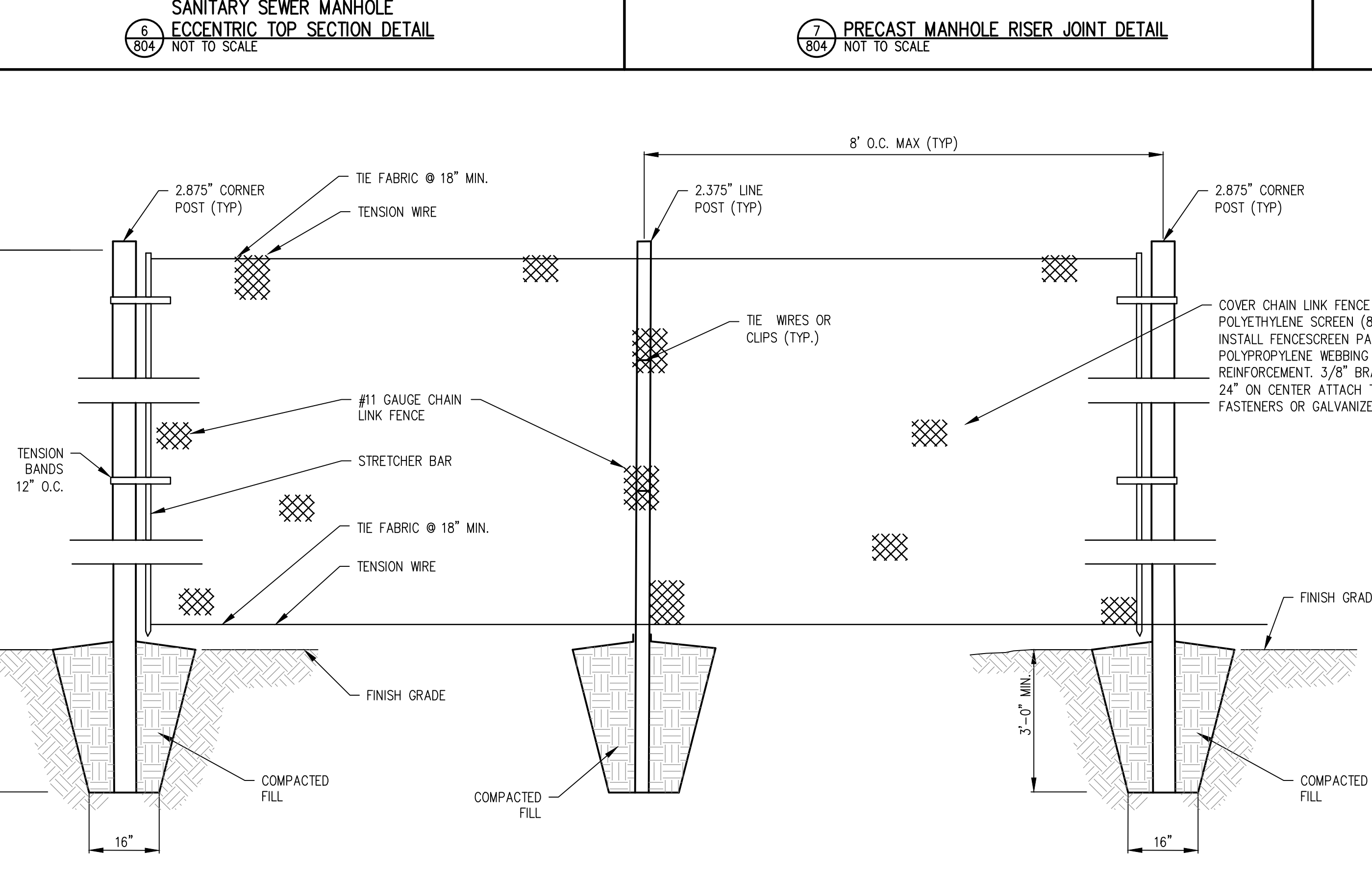
9 GRATE INLET
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SECTION "A-A"

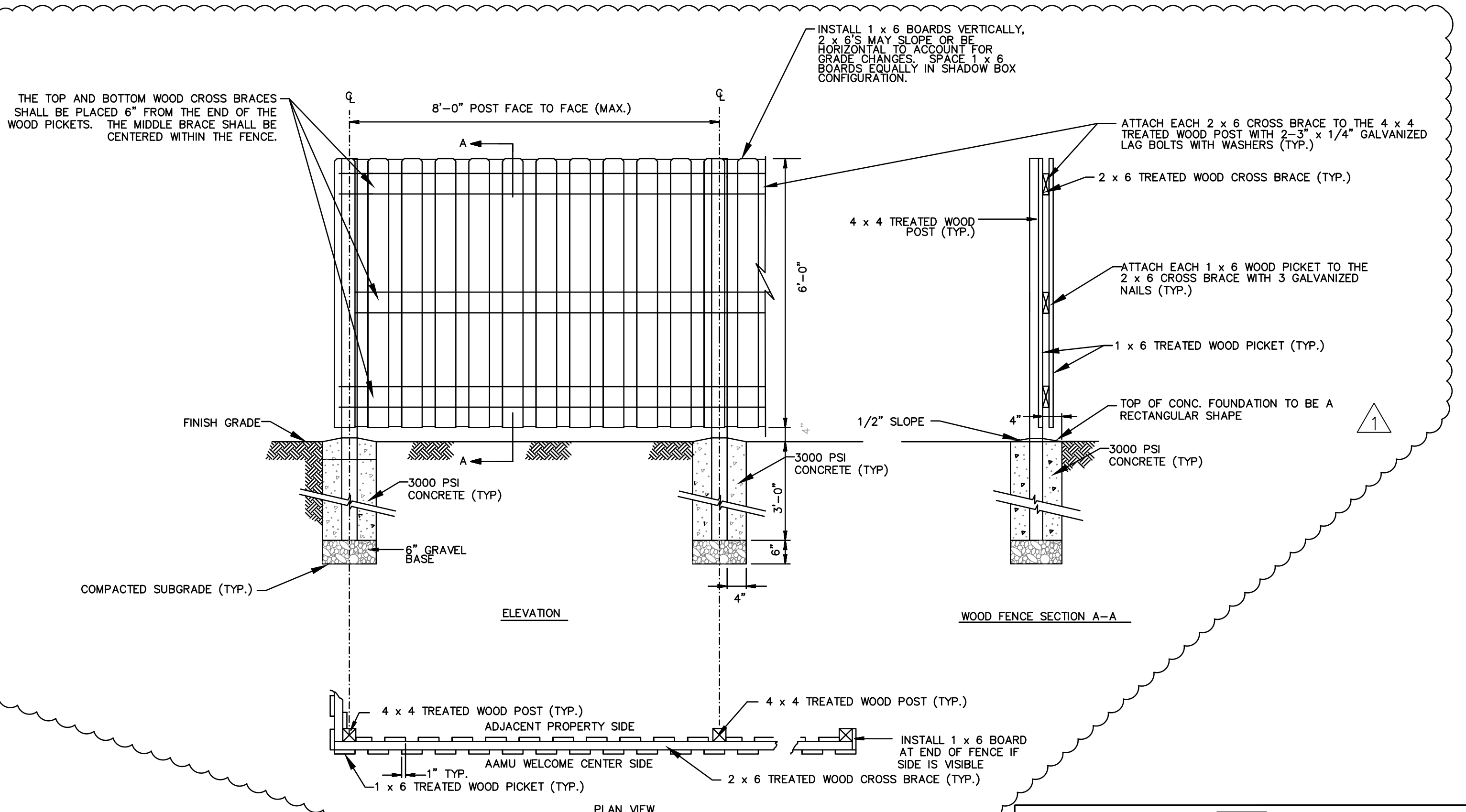


12 30" STANDARD CURB AND GUTTER
NOT TO SCALE



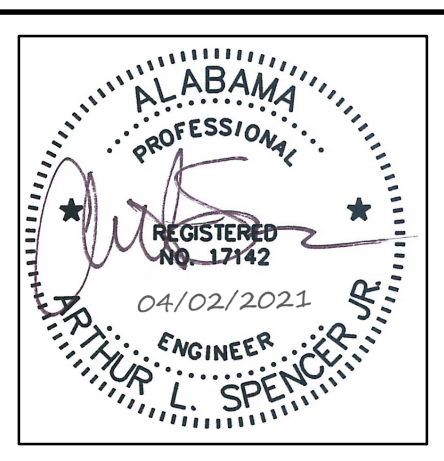
10 6-FOOT HIGH TEMPORARY CONSTRUCTION FENCE
804 NOT TO SCALE

- NOTES:
- GATES MUST REMAIN IN GOOD WORKING ORDER AND MUST BE CLOSED AND SECURED DURING NON-WORKING HOURS.
 - GATES SHALL BE CONSTRUCTED SO THAT THEY SWING IN TOWARDS THE CONSTRUCTION SITE.
 - GATES MUST BE CONSTRUCTED WITH THE SAME DESIGN CHARACTERISTICS AS THE TEMPORARY CONSTRUCTION FENCE. CONTRACTOR MAY REUSE PRE-USED MATERIAL IF APPROVED BY ARCHITECT.
 - INSTALL PER MANUFACTURER RECOMMENDATIONS.
 - COVER CHAIN LINK FENCE WITH KNITTED POLYETHYLENE SCREEN (85% BLOCKAGE).
 - INSTALL FENCESCREEN PANELS WITH 2" POLYPROPYLENE WEBBING FOR EDGE REINFORCEMENT. 3/8" BRASS GROMMETS AT 24" ON CENTER ATTACH TO FENCE WITH FASTENERS OR GALVANIZED HOG RINGS.



13 6-FOOT HIGH WOOD PRIVACY FENCE
804 NOT TO SCALE

THIS SHEET HAS BEEN REPLACED BY ADDENDUM #6, 04-02-2021



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18994

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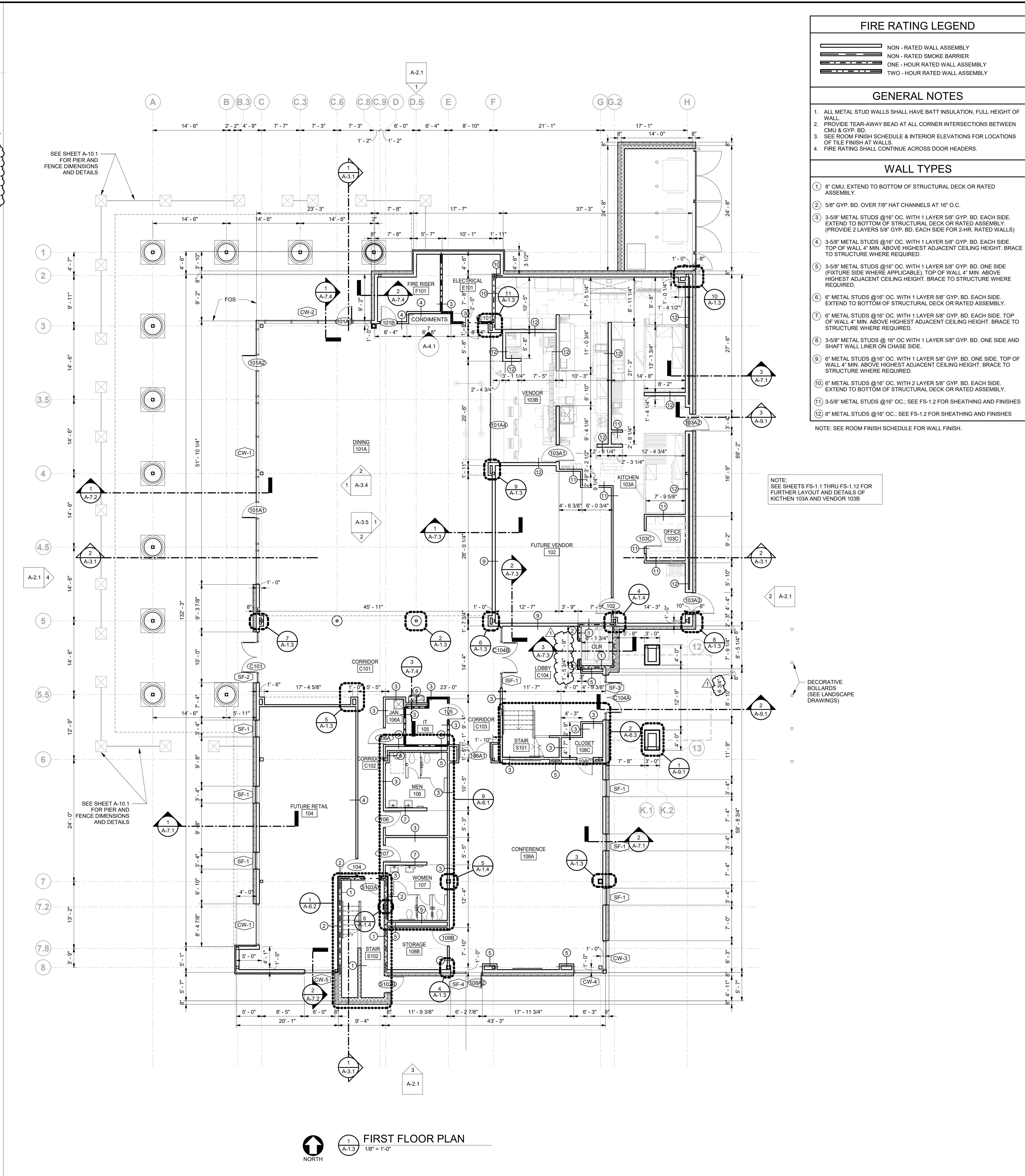
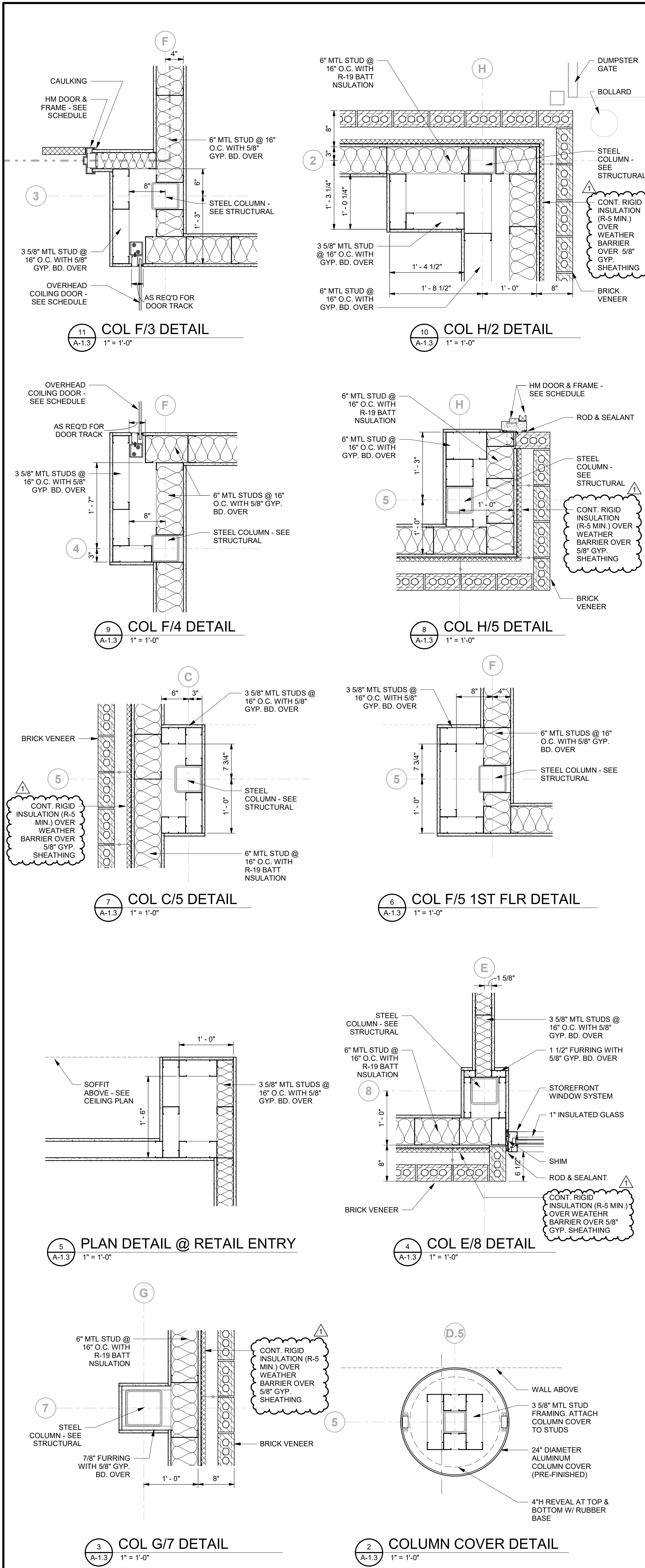
REVISIONS

No.	Description	Date
1	Addendum #6	04-02-2021

SHEET TITLE
CONSTRUCTION DETAILS

SHEET NUMBER
C804
14 OF 17





FIRE RATING LEGEND

	NON - RATED WALL ASSEMBLY
	NON - RATED SMOKE BARRIER
	ONE - HOUR RATED WALL ASSEMBLY
	TWO - HOUR RATED WALL ASSEMBLY

GENERAL NOTES

1. ALL METAL STUD WALLS SHALL HAVE BATT INSULATION, FULL HEIGHT OF WALL.
2. PROVIDE TEAR-AWAY BEAD AT ALL CORNER INTERSECTIONS BETWEEN CMU & GYP. BD.
3. SEE ROOM FINISH SCHEDULE & INTERIOR ELEVATIONS FOR LOCATIONS OF TILE FINISH AT WALLS.
4. FIRE RATING SHALL CONTINUE ACROSS DOOR HEADERS.

WALL TYPES

1. 6" CMU. EXTEND TO BOTTOM OF STRUCTURAL DECK OR RATED ASSEMBLY.
2. 5/8" GYP. BD. OVER 7/8" HAT CHANNELS AT 16" O.C.
3. 3-5/8" METAL STUDS @ 16" O.C. WITH 1 LAYER 5/8" GYP. BD. EACH SIDE. EXTEND TO BOTTOM OF STRUCTURAL DECK OR RATED ASSEMBLY. (PROVIDE 2 LAYERS 5/8" GYP. BD. EACH SIDE FOR 2-HR. RATED WALLS)
4. 3-5/8" METAL STUDS @ 16" O.C. WITH 1 LAYER 5/8" GYP. BD. EACH SIDE. TOP OF WALL 4" MIN. ABOVE HIGHEST ADJACENT CEILING HEIGHT. BRACE TO STRUCTURE WHERE REQUIRED.
5. 3-5/8" METAL STUDS @ 16" O.C. WITH 1 LAYER 5/8" GYP. BD. ONE SIDE (FIXTURE SIDE WHERE APPLICABLE). TOP OF WALL 4" MIN. ABOVE HIGHEST ADJACENT CEILING HEIGHT. BRACE TO STRUCTURE WHERE REQUIRED.
6. 6" METAL STUDS @ 16" O.C. WITH 1 LAYER 5/8" GYP. BD. EACH SIDE. EXTEND TO BOTTOM OF STRUCTURAL DECK OR RATED ASSEMBLY.
7. 6" METAL STUDS @ 16" O.C. WITH 1 LAYER 5/8" GYP. BD. EACH SIDE. TOP OF WALL 4" MIN. ABOVE HIGHEST ADJACENT CEILING HEIGHT. BRACE TO STRUCTURE WHERE REQUIRED.
8. 3-5/8" METAL STUDS @ 16" O.C. WITH 1 LAYER 5/8" GYP. BD. ONE SIDE AND SHAFT WALL LINER ON CHASE SIDE.
9. 6" METAL STUDS @ 16" O.C. WITH 1 LAYER 5/8" GYP. BD. ONE SIDE. TOP OF WALL 4" MIN. ABOVE HIGHEST ADJACENT CEILING HEIGHT. BRACE TO STRUCTURE WHERE REQUIRED.
10. 6" METAL STUDS @ 16" O.C. WITH 2 LAYER 5/8" GYP. BD. EACH SIDE. EXTEND TO BOTTOM OF STRUCTURAL DECK OR RATED ASSEMBLY.
11. 3-5/8" METAL STUDS @ 16" O.C. - SEE FS-1.2 FOR SHEATHING AND FINISHES
12. 6" METAL STUDS @ 16" O.C. - SEE FS-1.2 FOR SHEATHING AND FINISHES

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18994

1/25/2021
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REVISIONS
No. Description Date
1 ADDENDUM 6 4/1/2021

SHEET TITLE
FIRST FLOOR PLAN

SHEET NUMBER
A-1.3
OF

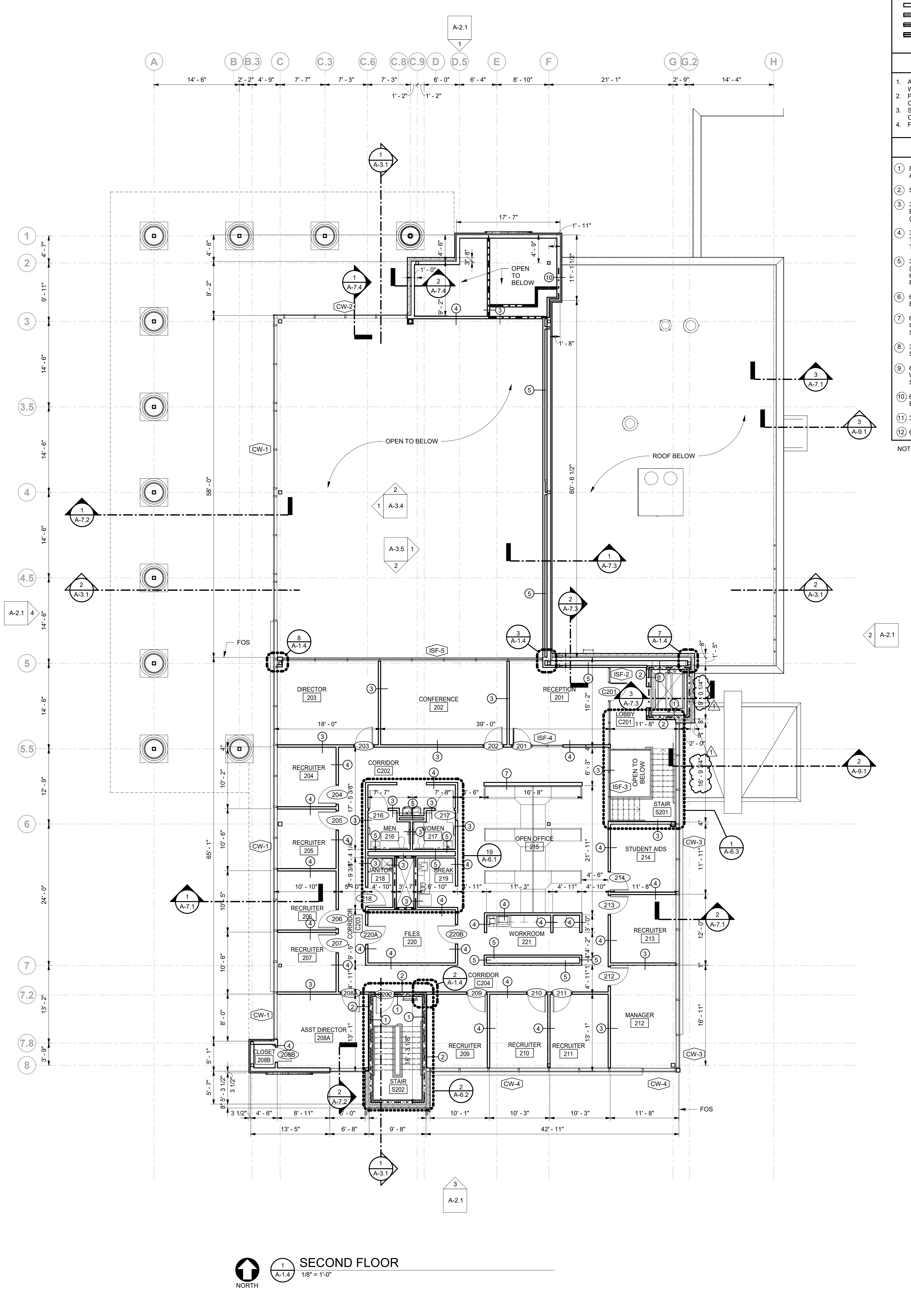
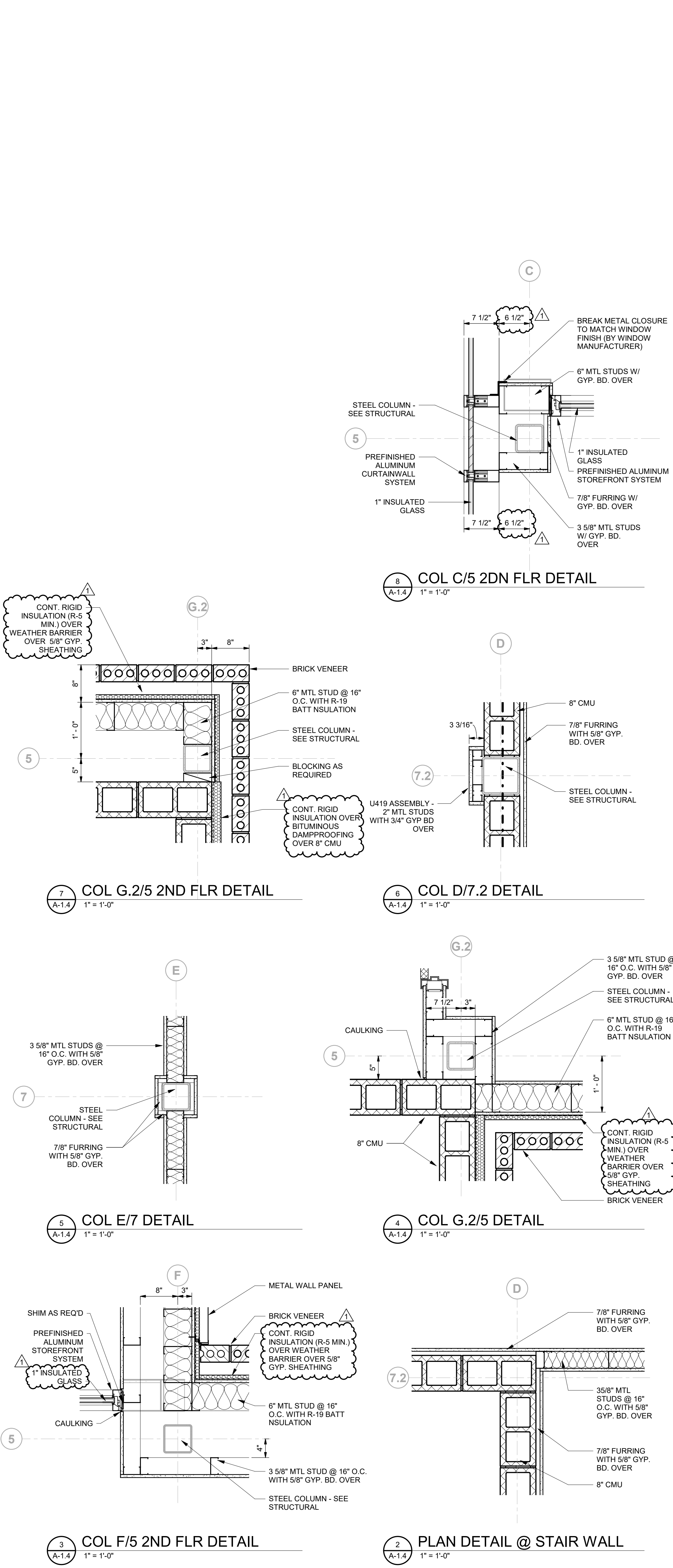
STATE OF ALABAMA
FRANK J. NOLA JR.
REG. 3871
3035
ROBERT VAN PEURSEM
REGISTERED ARCHITECT

NOLA VANPEURSEM ARCHITECTS, P.C.

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FIRE RATING LEGEND	
[Symbol]	NON - RATED WALL ASSEMBLY
[Symbol]	NON - RATED SMOKE BARRIER
[Symbol]	ONE - HOUR RATED WALL ASSEMBLY
[Symbol]	TWO - HOUR RATED WALL ASSEMBLY

GENERAL NOTES	
1.	ALL METAL STUD WALLS SHALL HAVE BATT INSULATION, FULL HEIGHT OF WALL
2.	PROVIDE TEAR-AWAY BEAD AT ALL CORNER INTERSECTIONS BETWEEN CMU & GYP. BD.
3.	SEE ROOM FINISH SCHEDULE & INTERIOR ELEVATIONS FOR LOCATIONS OF TILE FINISH AT WALLS.
4.	FIRE RATING SHALL CONTINUE ACROSS DOOR HEADERS.

WALL TYPES	
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7	6" METAL STUDS @16" O.C. WITH 1 LAYER 5/8" GYP. BD. EACH SIDE. TOP OF WALL 4" MIN. ABOVE HIGHEST ADJACENT CEILING HEIGHT. BRACE TO STRUCTURE WHERE REQUIRED.
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10	6" METAL STUDS @16" O.C. WITH 2 LAYER 5/8" GYP. BD. EACH SIDE. EXTEND TO BOTTOM OF STRUCTURAL DECK OR RATED ASSEMBLY.
11	3-5/8" METAL STUDS @16" O.C.; SEE FS-1.2 FOR SHEATHING AND FINISHES
12	6" METAL STUDS @16" O.C.; SEE FS-1.2 FOR SHEATHING AND FINISHES

NOTE: SEE ROOM FINISH SCHEDULE FOR WALL FINISH.

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JOB NUMBER
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1/25/2021
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No. Description Date
1 ADDENDUM 6 4/1/2021

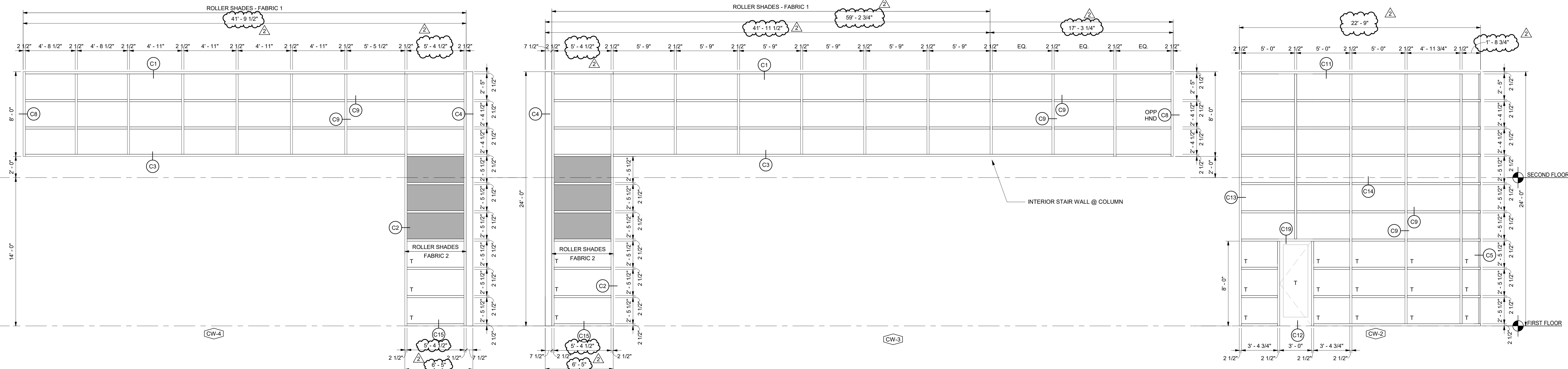
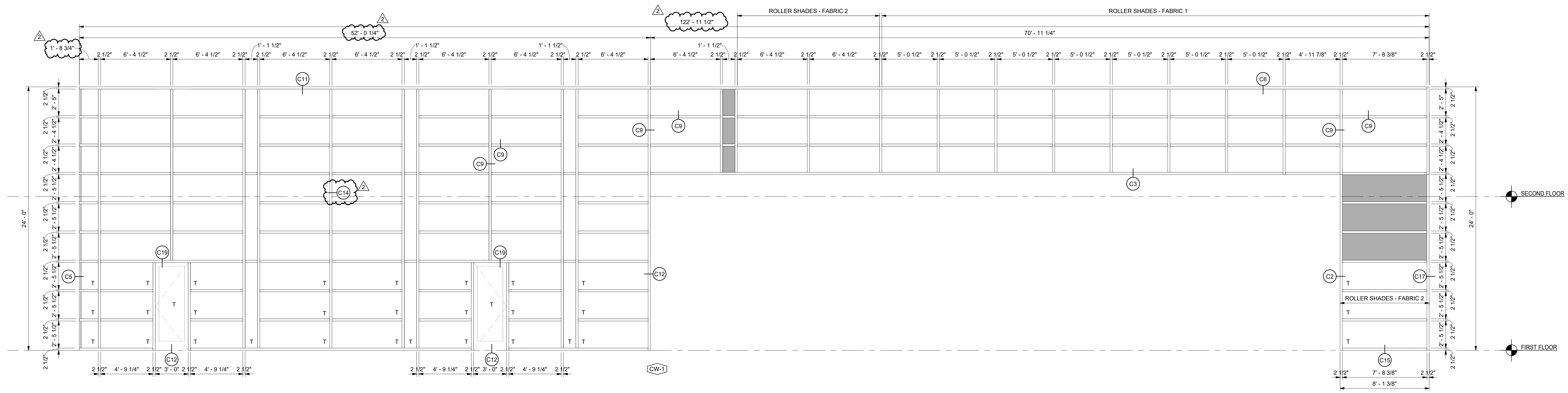
SHEET TITLE
SECOND FLOOR PLAN

SHEET NUMBER
A-1.4
OF

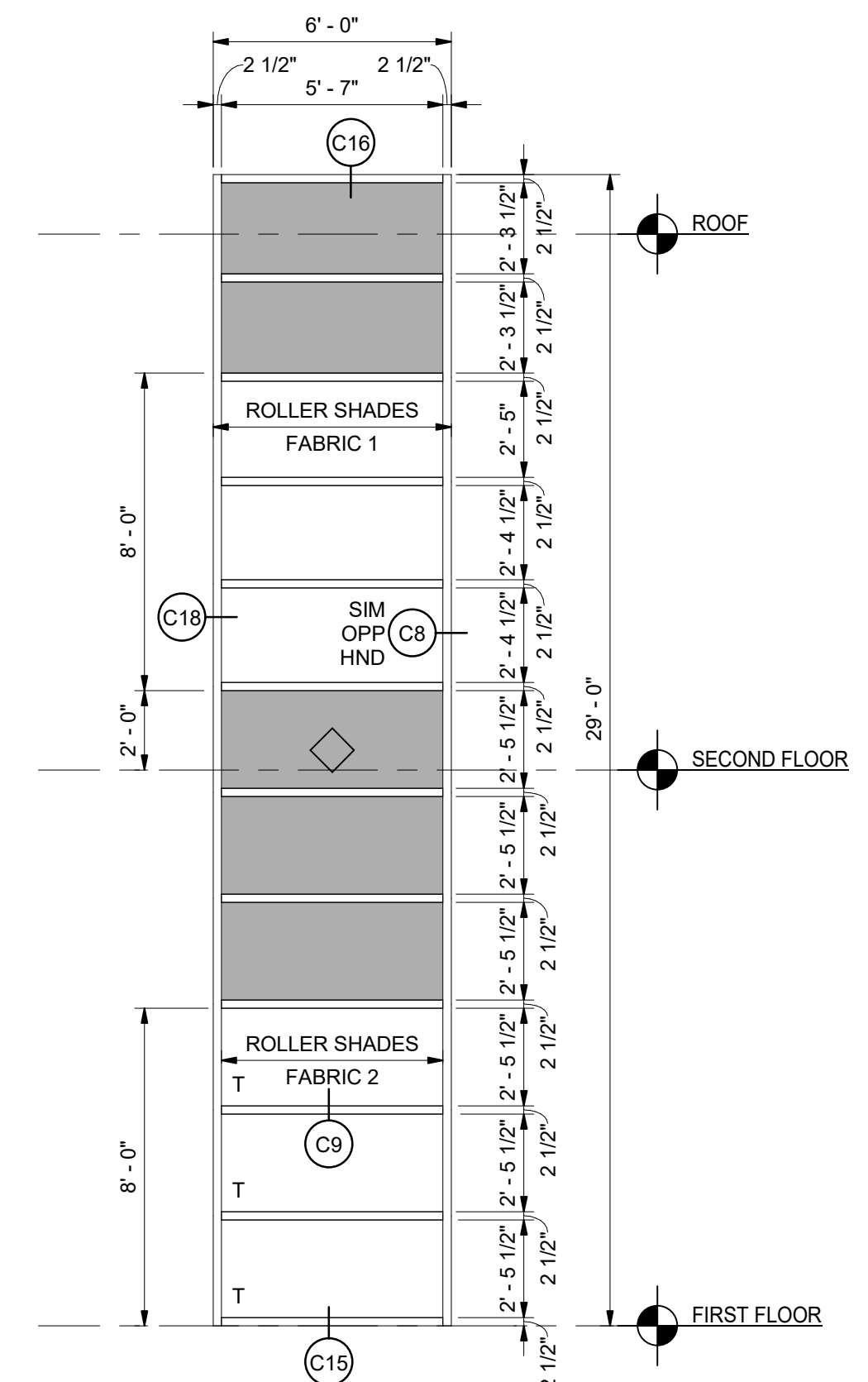
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FRANK J. NOLA JR.
3871
REG.
3035
ROBERT VAN PEURSEM
REGISTERED ARCHITECT

NOLA VANPEURSEM
ARCHITECTS, P.C.

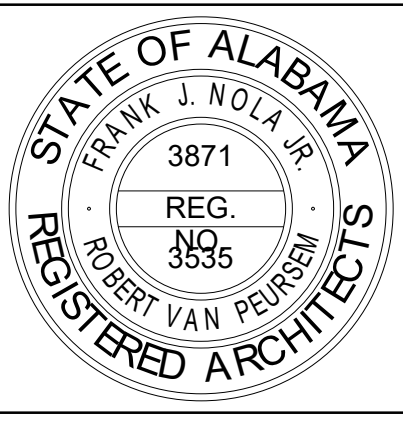
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GRAY HATCHED PANES INDICATE SPANDREL GLASS. SEE SPECIFICATIONS.



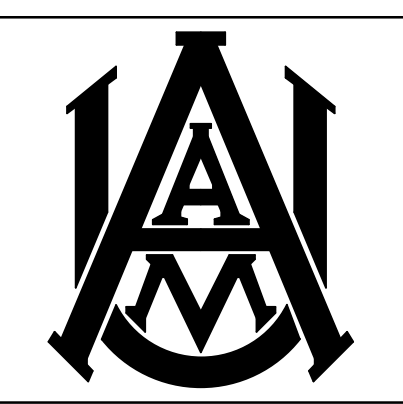
1 CW-5
A-5.3 1/4\"/>



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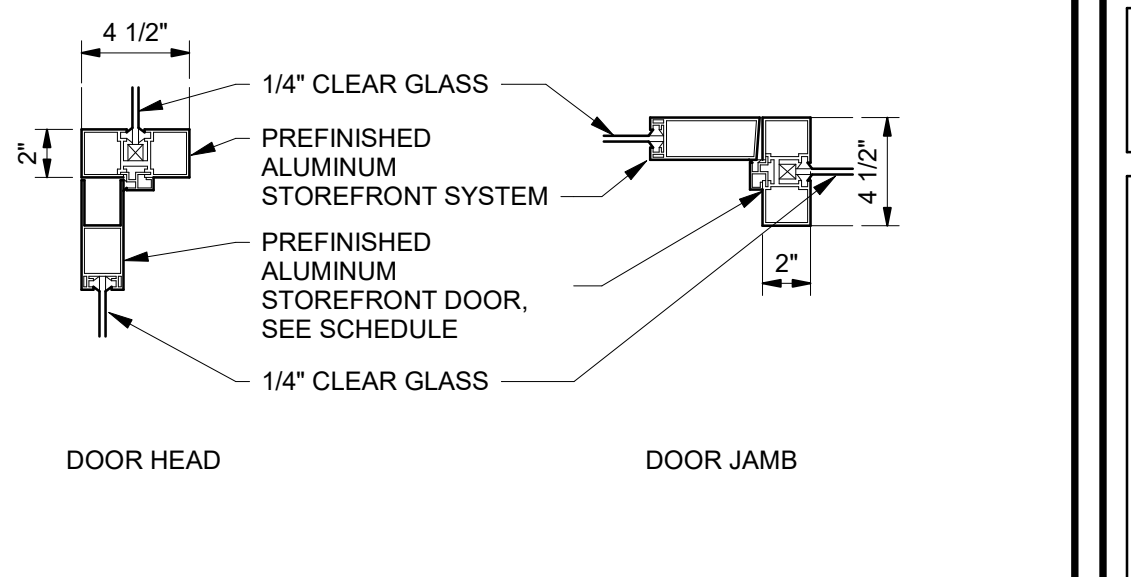
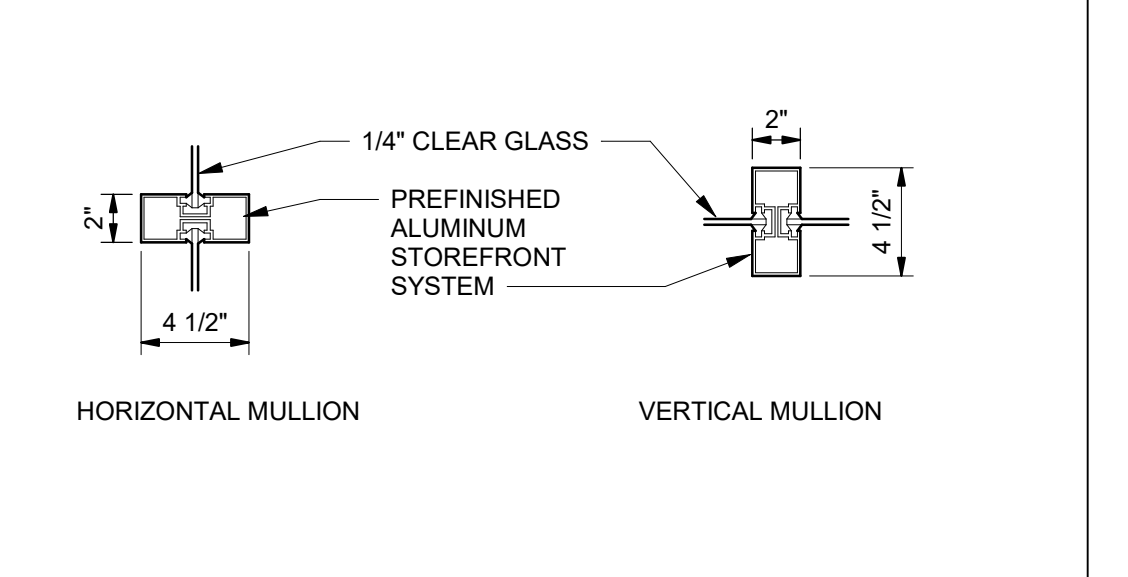
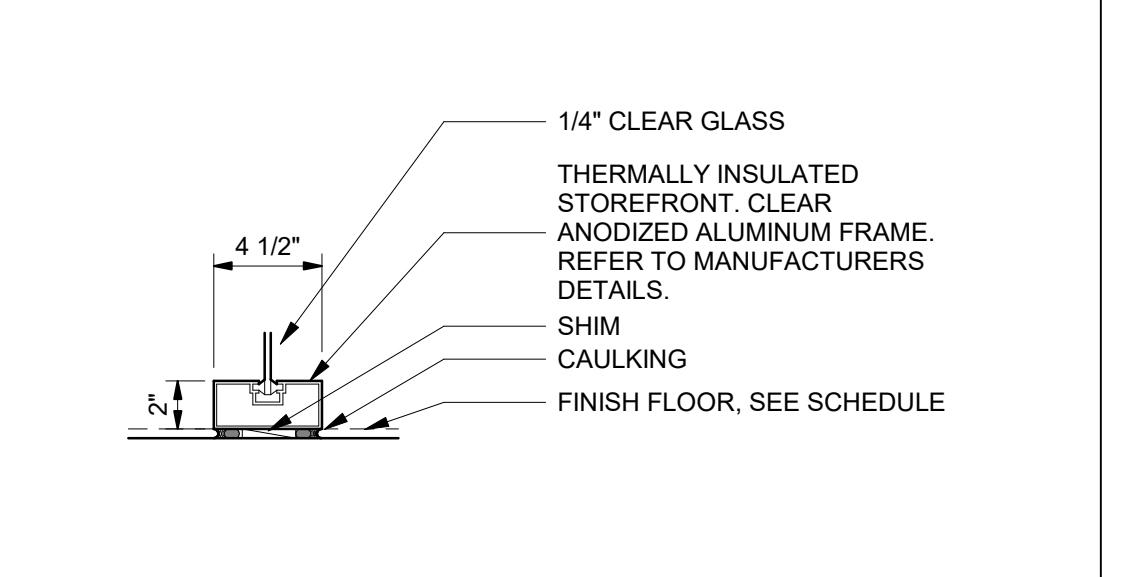
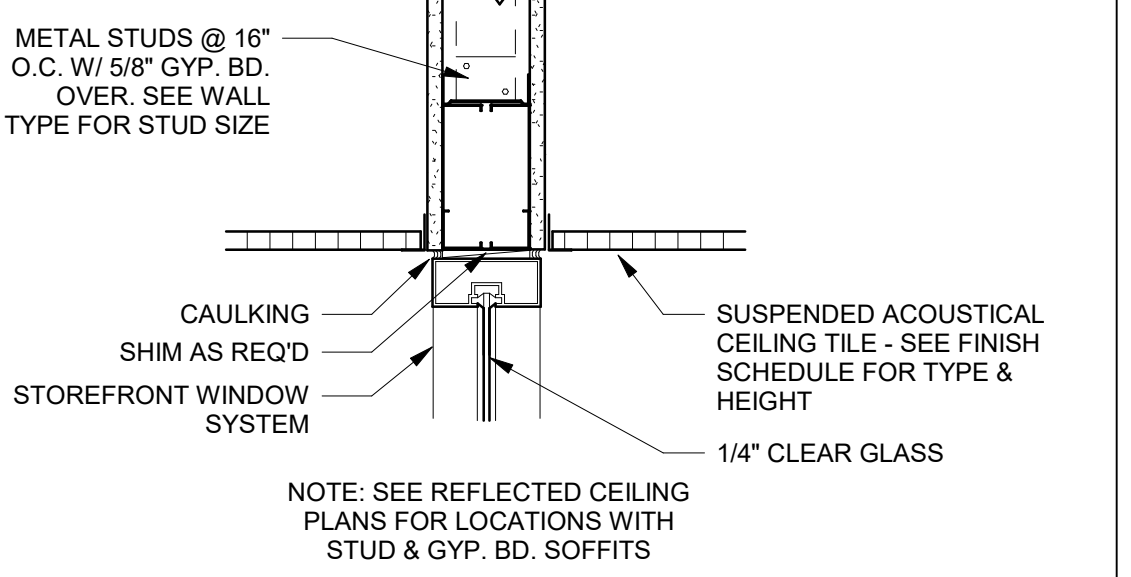
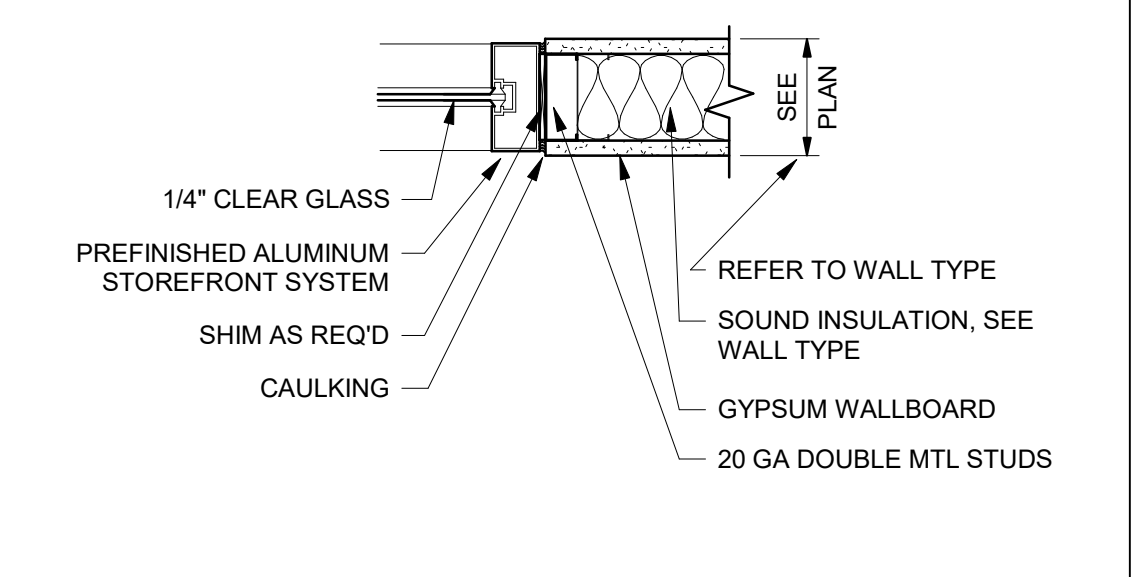
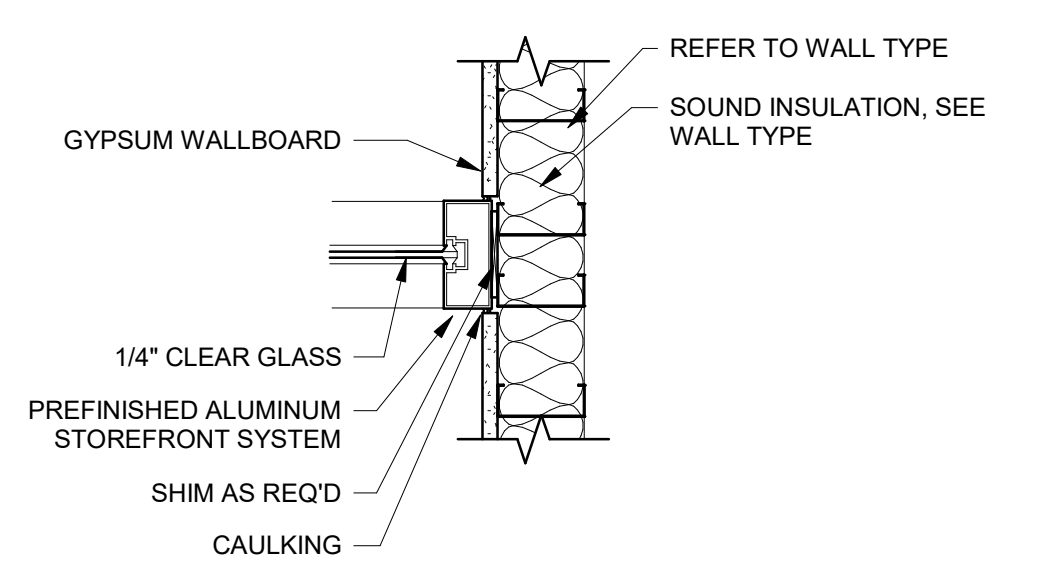
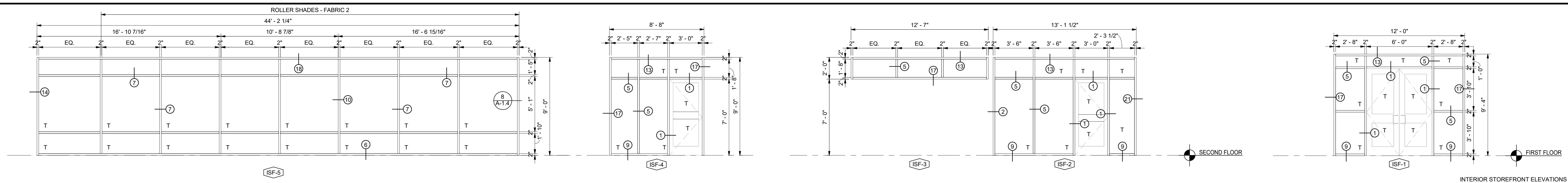
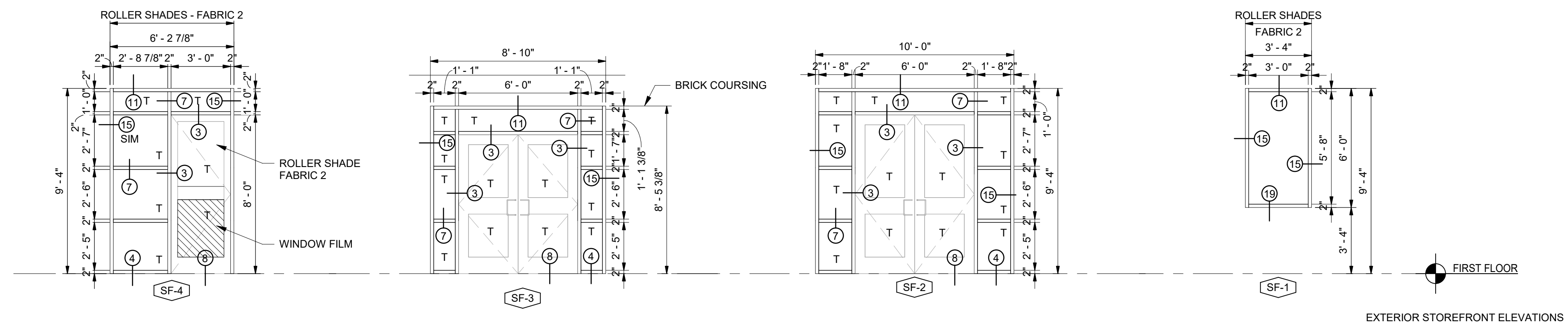
JOB NUMBER
18994

1/25/2021
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No.	Description	Date
1	ADDENDUM 5	3/31/2021
2	ADDENDUM 6	4/1/2021

SHEET TITLE
CURTAINWALL ELEVATIONS

SHEET NUMBER
A-5.3
OF



JAMB DETAIL INTERIOR 21

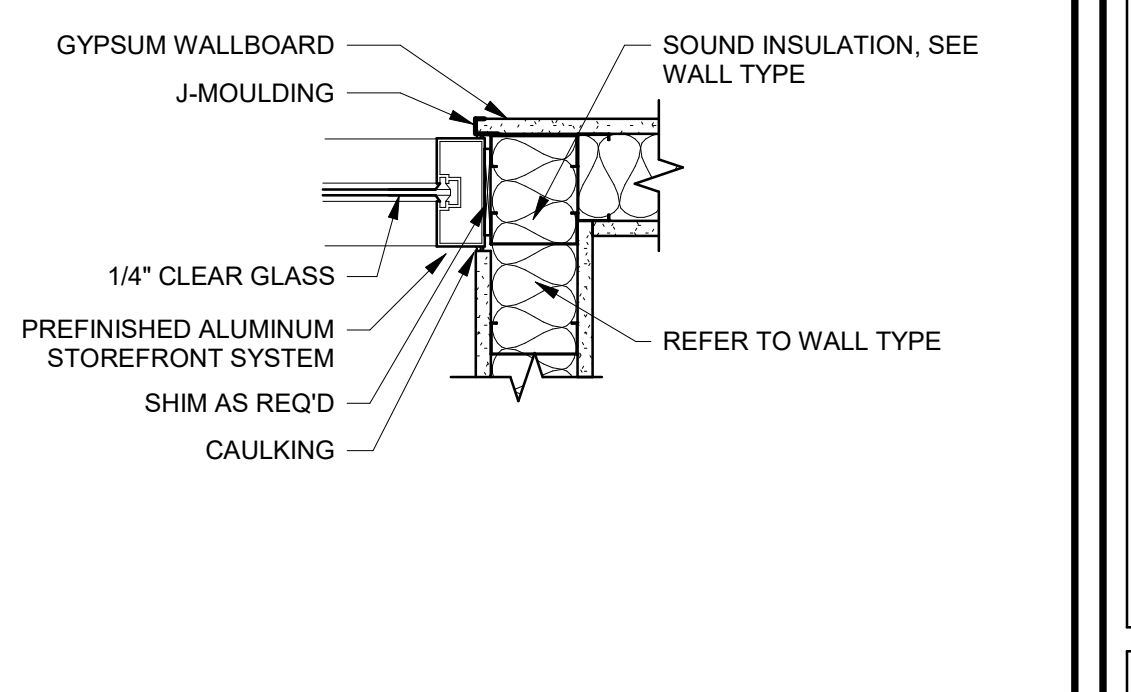
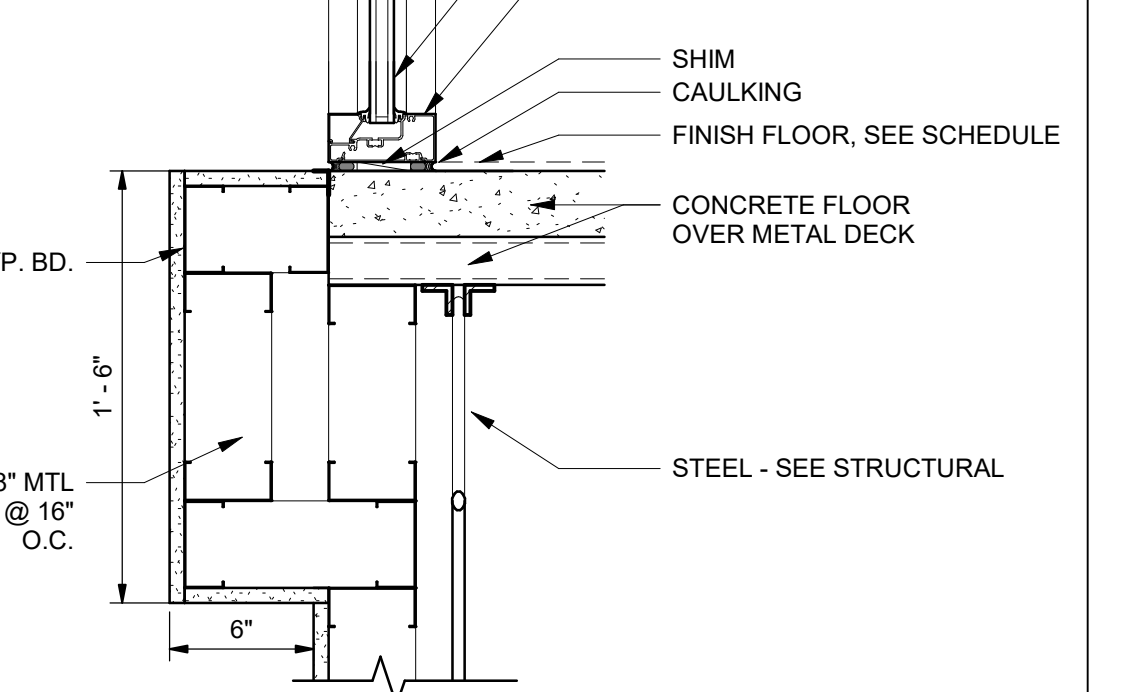
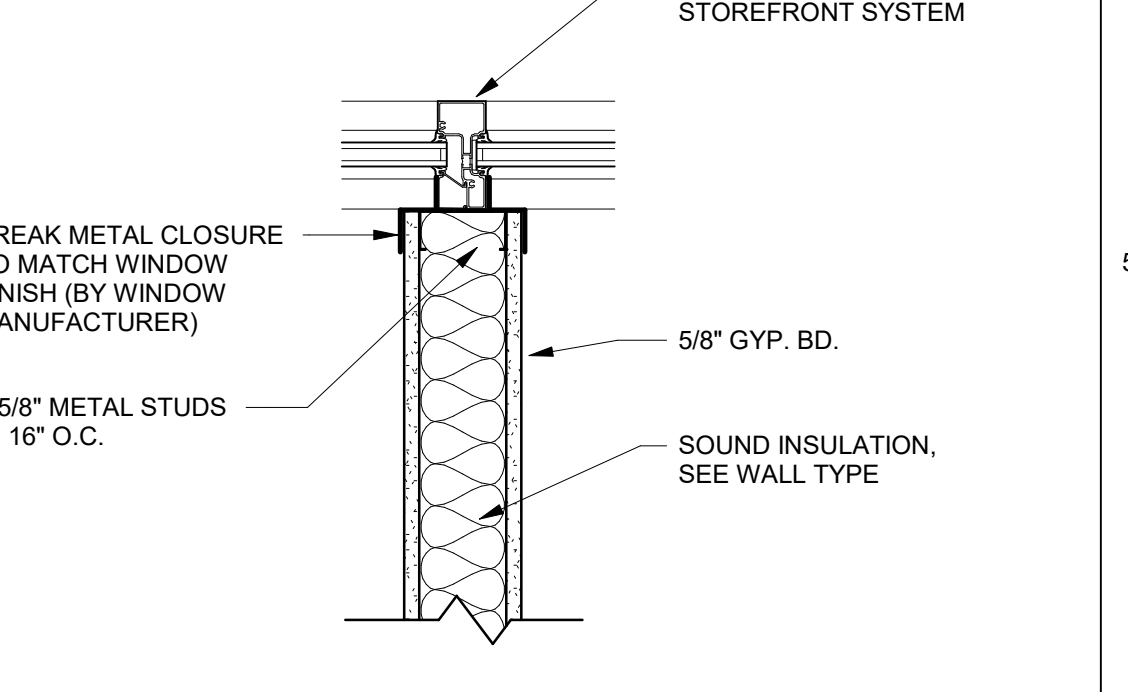
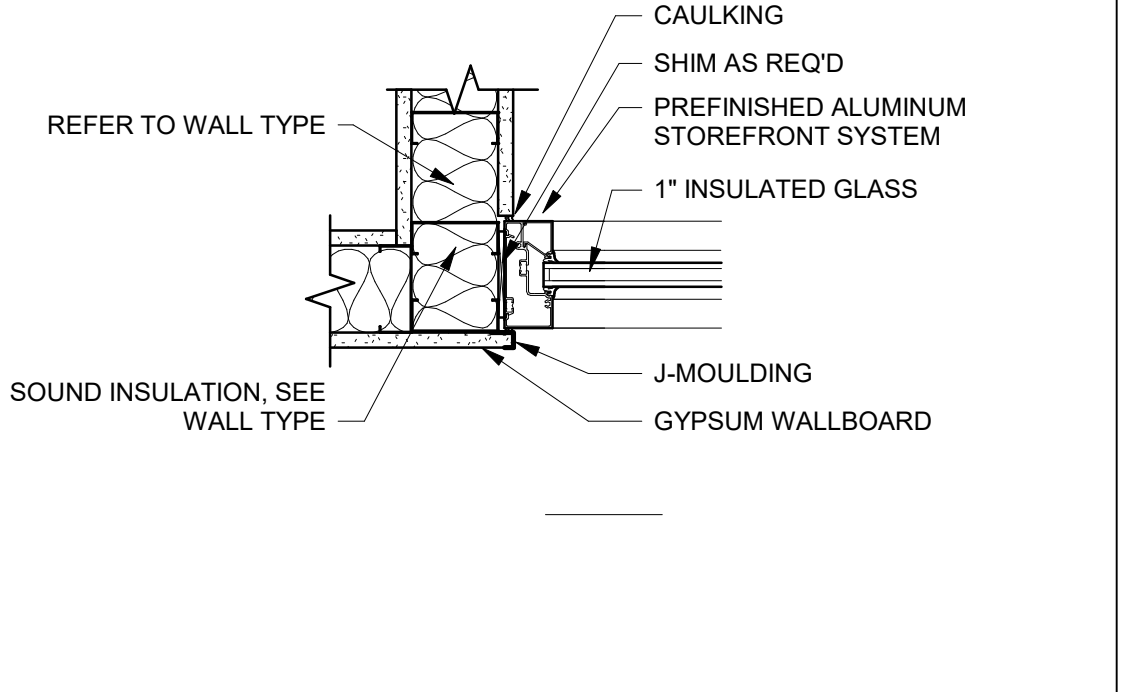
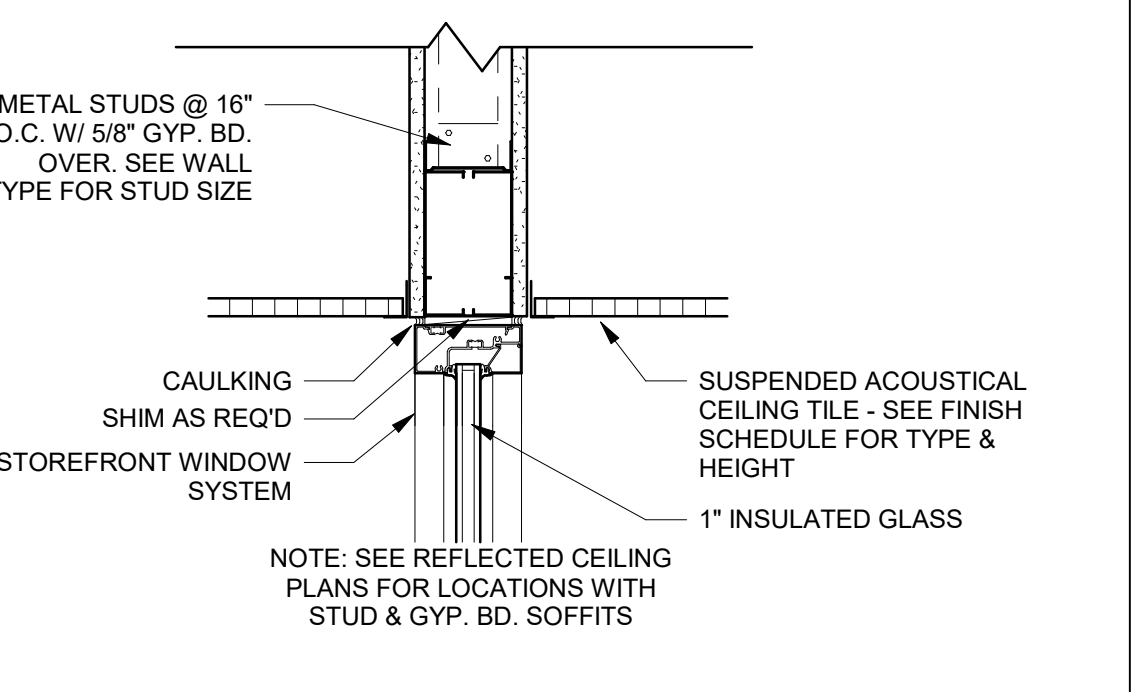
JAMB DETAIL INTERIOR 17

HEAD DETAIL INTERIOR 13

SILL DETAIL INTERIOR 9

MULLION DETAIL INTERIOR 5

HEAD / JAMB DETAIL INTERIOR 1



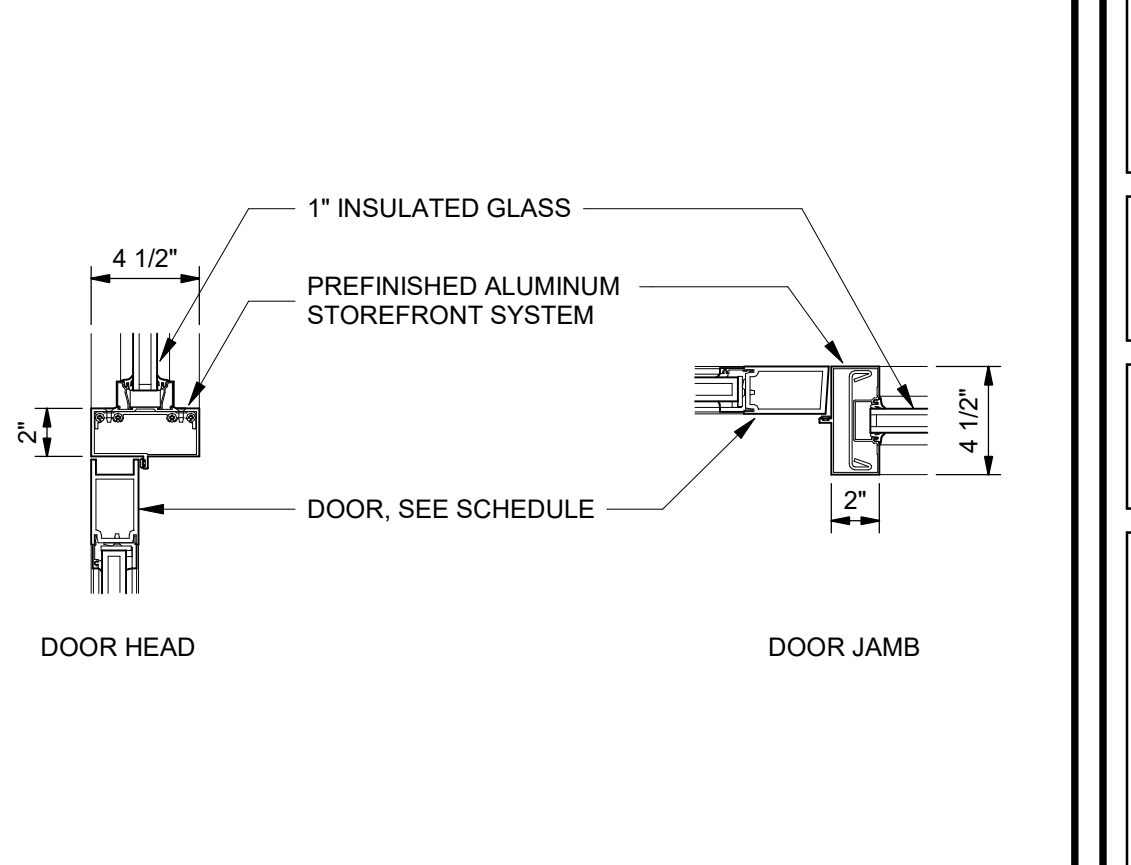
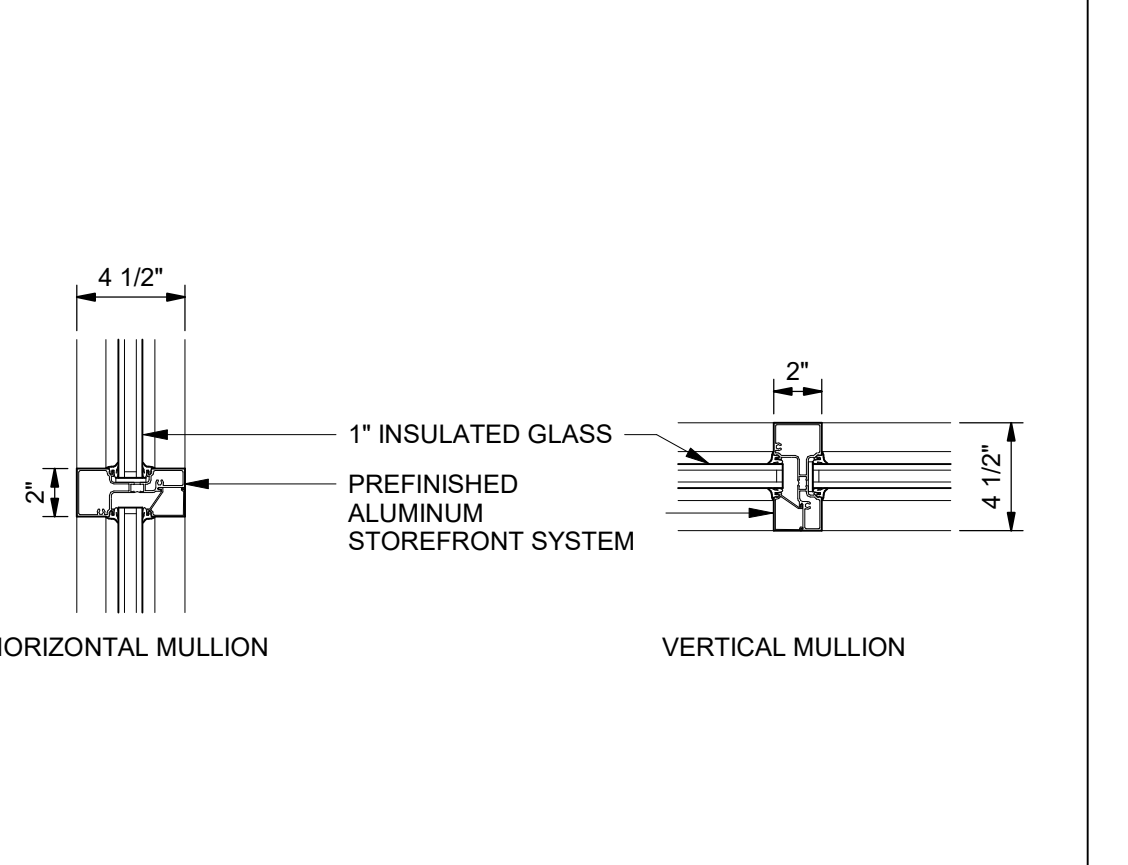
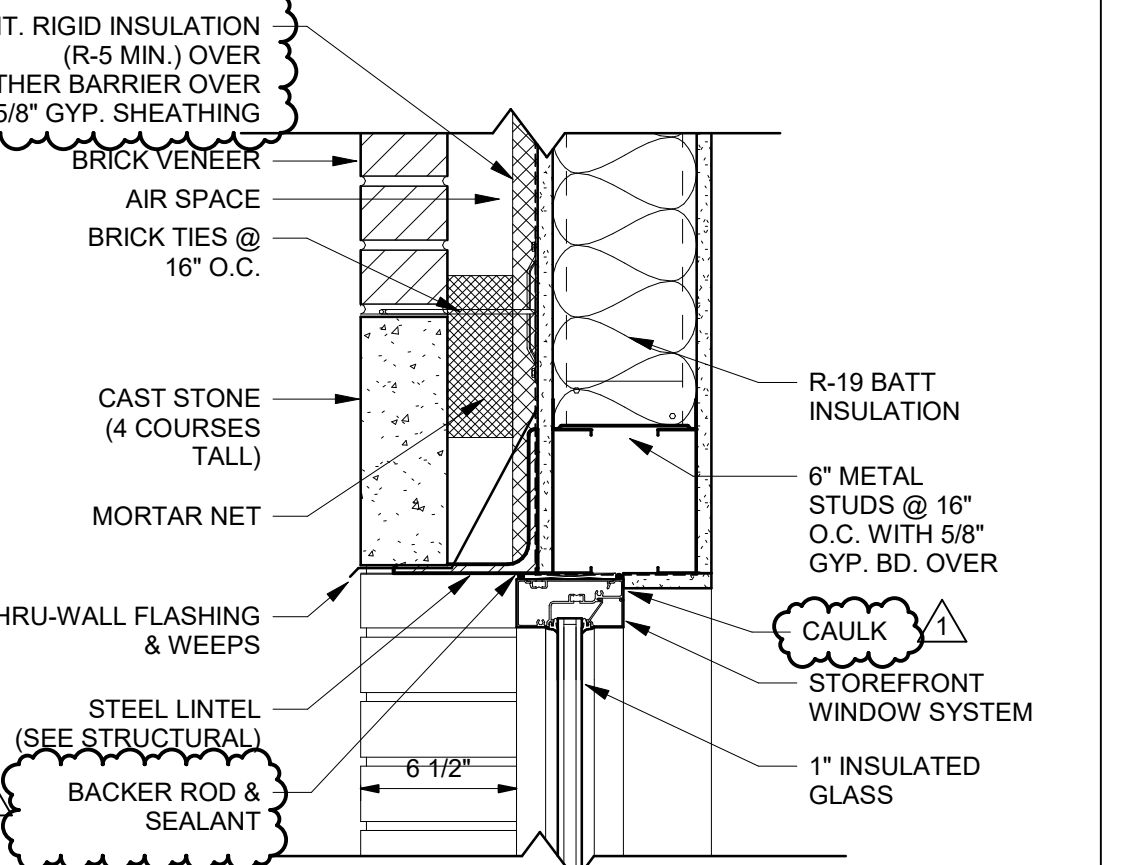
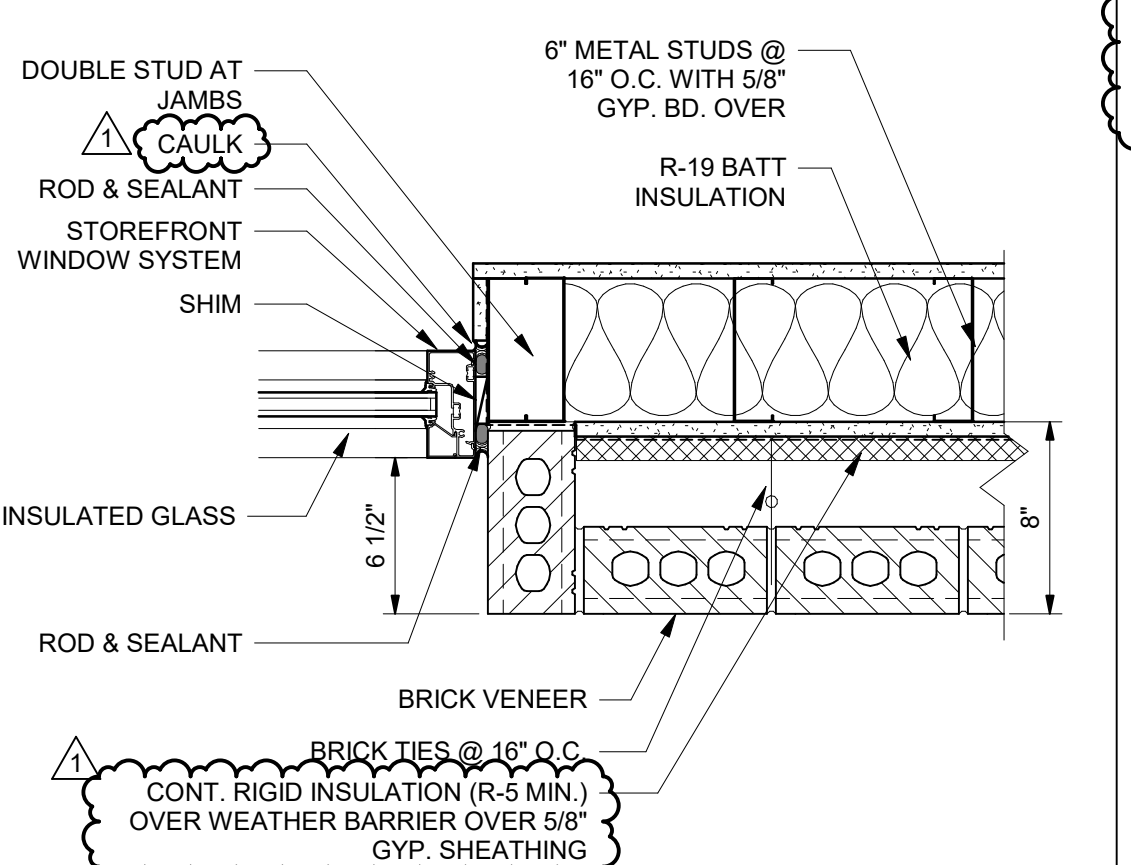
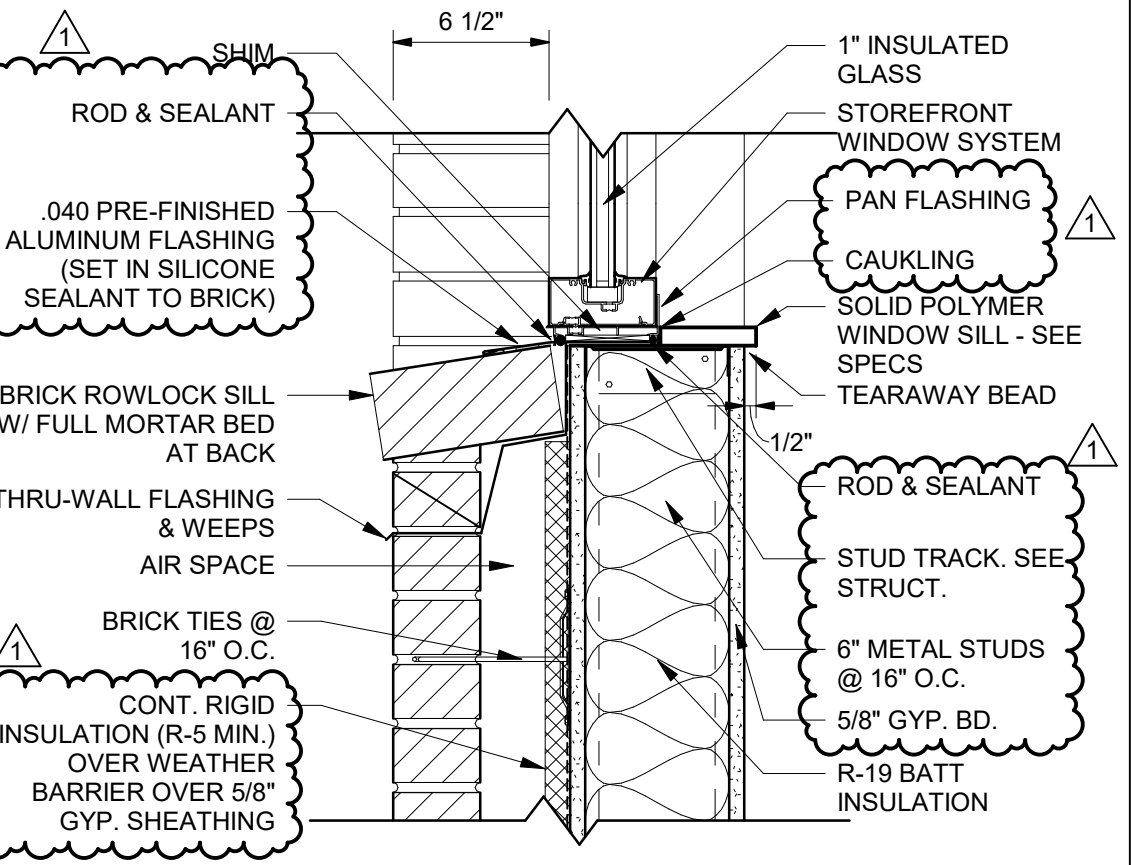
JAMB DETAIL INTERIOR 18

HEAD DETAIL INTERIOR 14

SILL DETAIL INTERIOR 10

SILL DETAIL INTERIOR 6

JAMB DETAIL INTERIOR 2



SILL DETAIL EXTERIOR 19

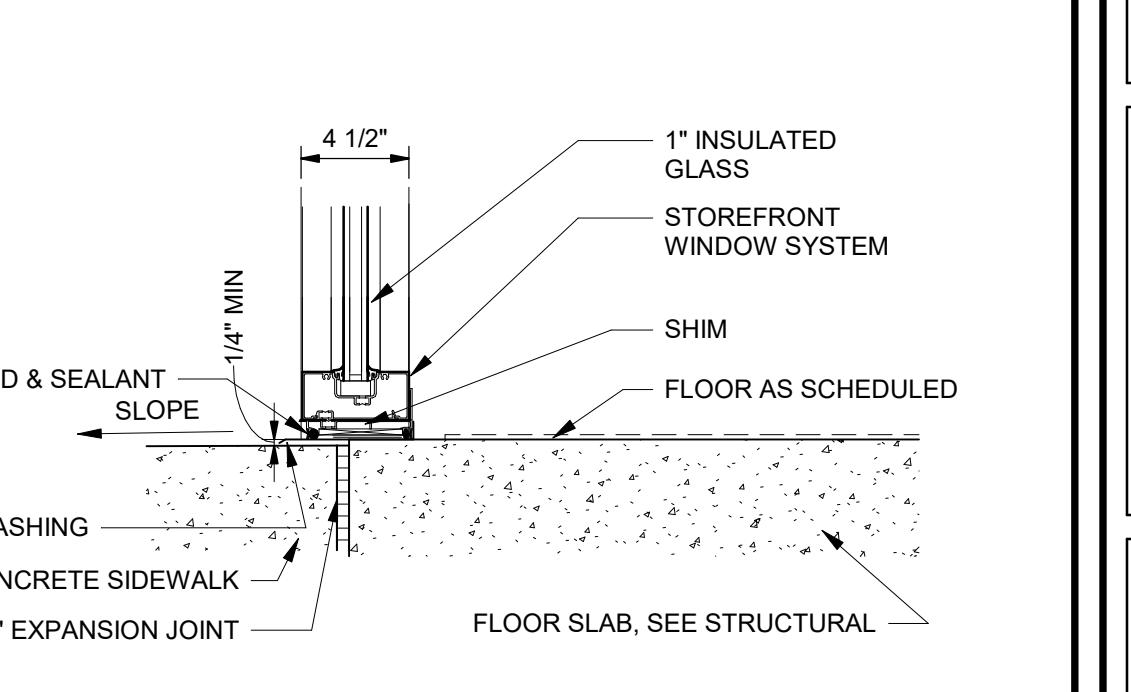
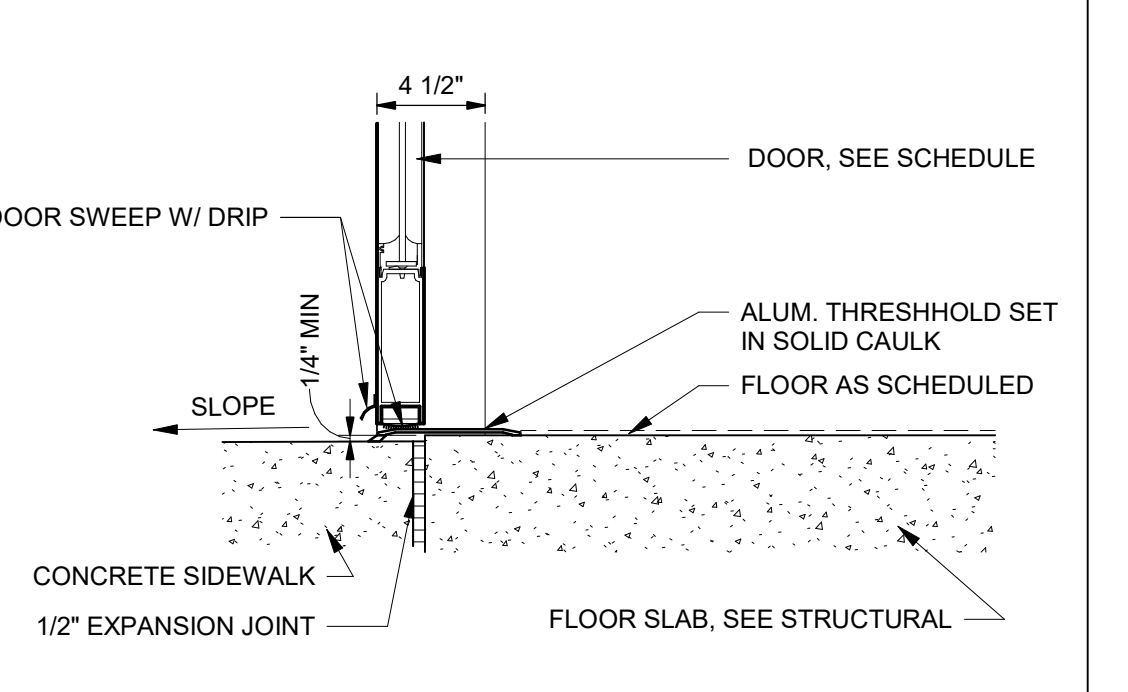
JAMB DETAIL EXTERIOR 15

HEAD DETAIL EXTERIOR 11

MULLION DETAIL EXTERIOR 7

HEAD / JAMB DETAIL EXTERIOR 3

GENERAL NOTE:
 WEATHER BARRIERS MUST BE SEALED BETWEEN SUBSTRATE, CURTAINWALL HEADS, JAMBS, AND SILLS. WRAP AT HEADS, JAMBS AND SILLS AND ADD FLASHING TAPE AS REQUIRED.



SILL DETAIL EXTERIOR 8

SILL DETAIL EXTERIOR 4

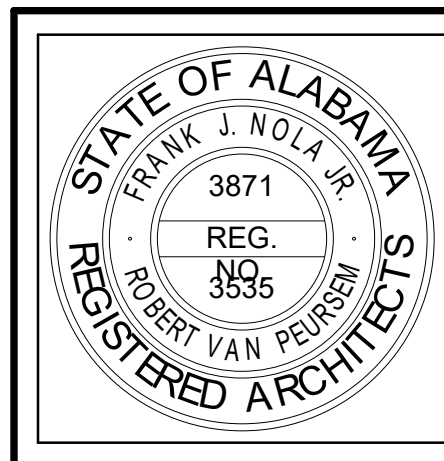
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 REG. 3871
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SHEET TITLE
 STOREFRONT ELEVATIONS @ DETAILS
 SHEET NUMBER
 A-5.4
 OF



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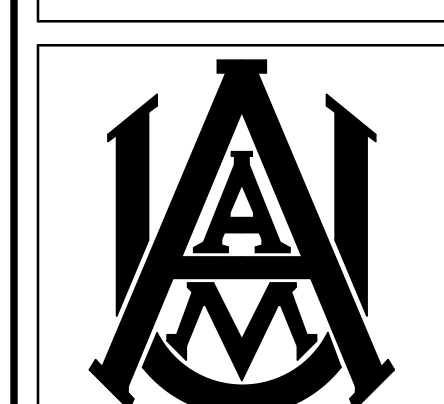
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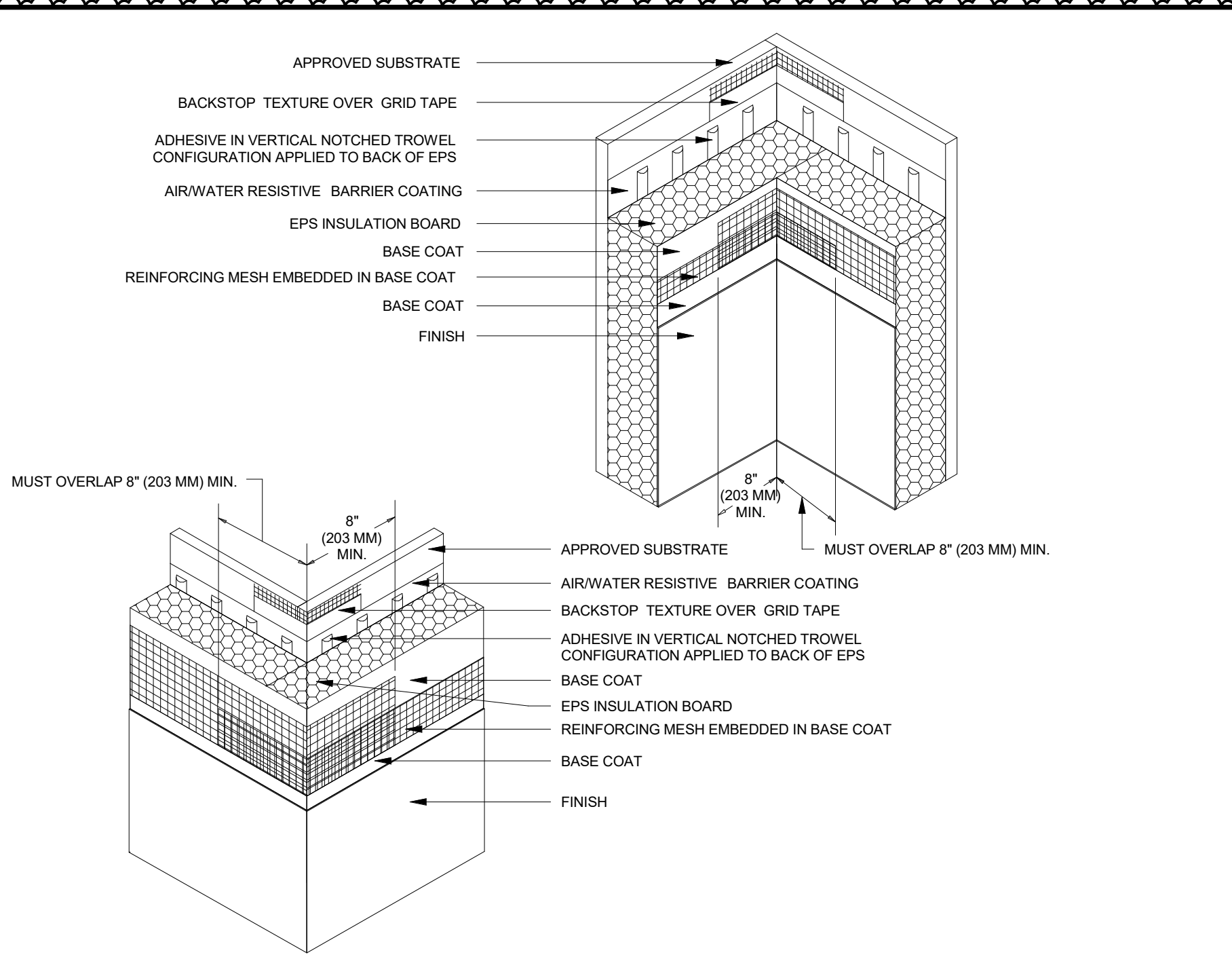
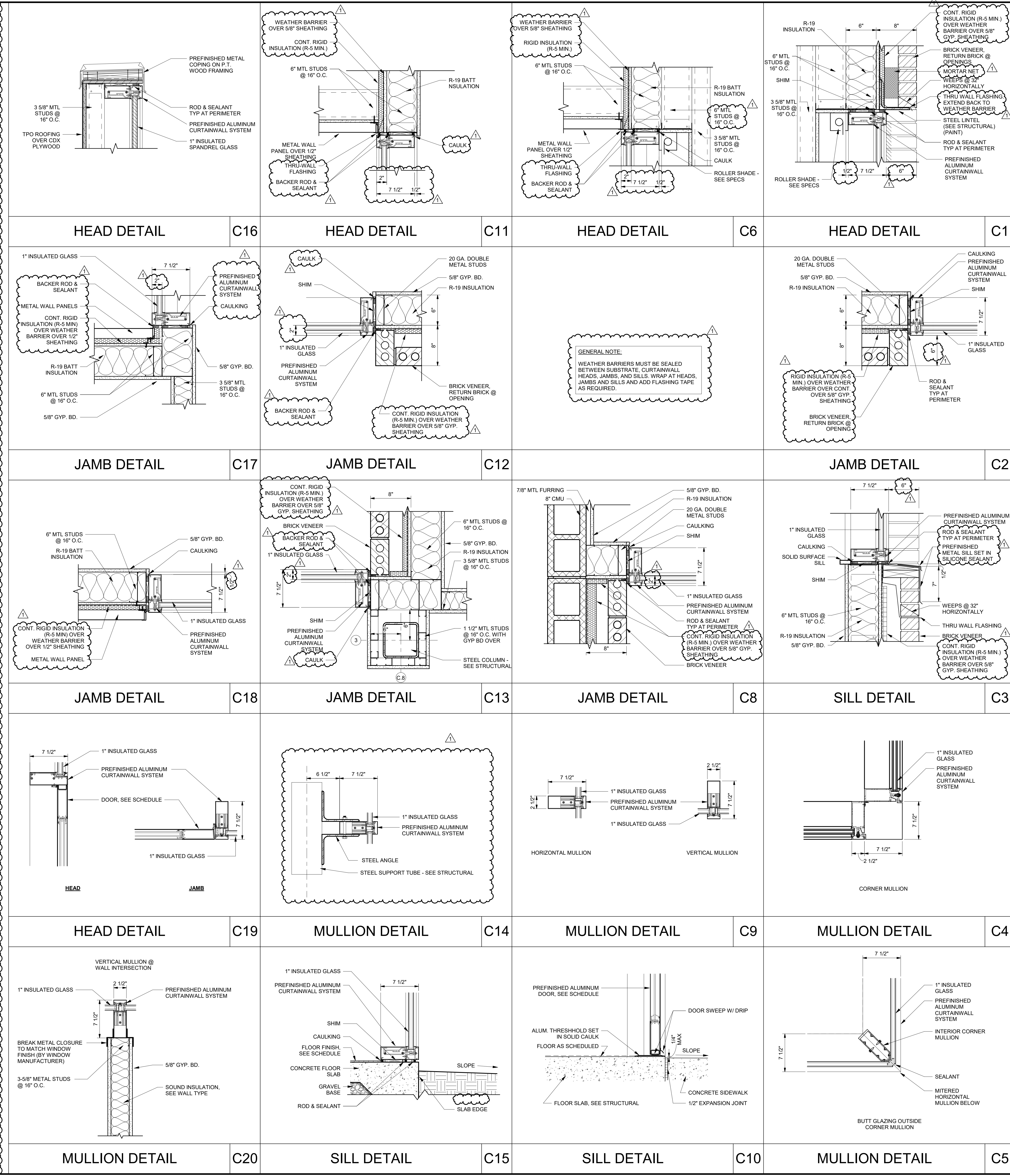
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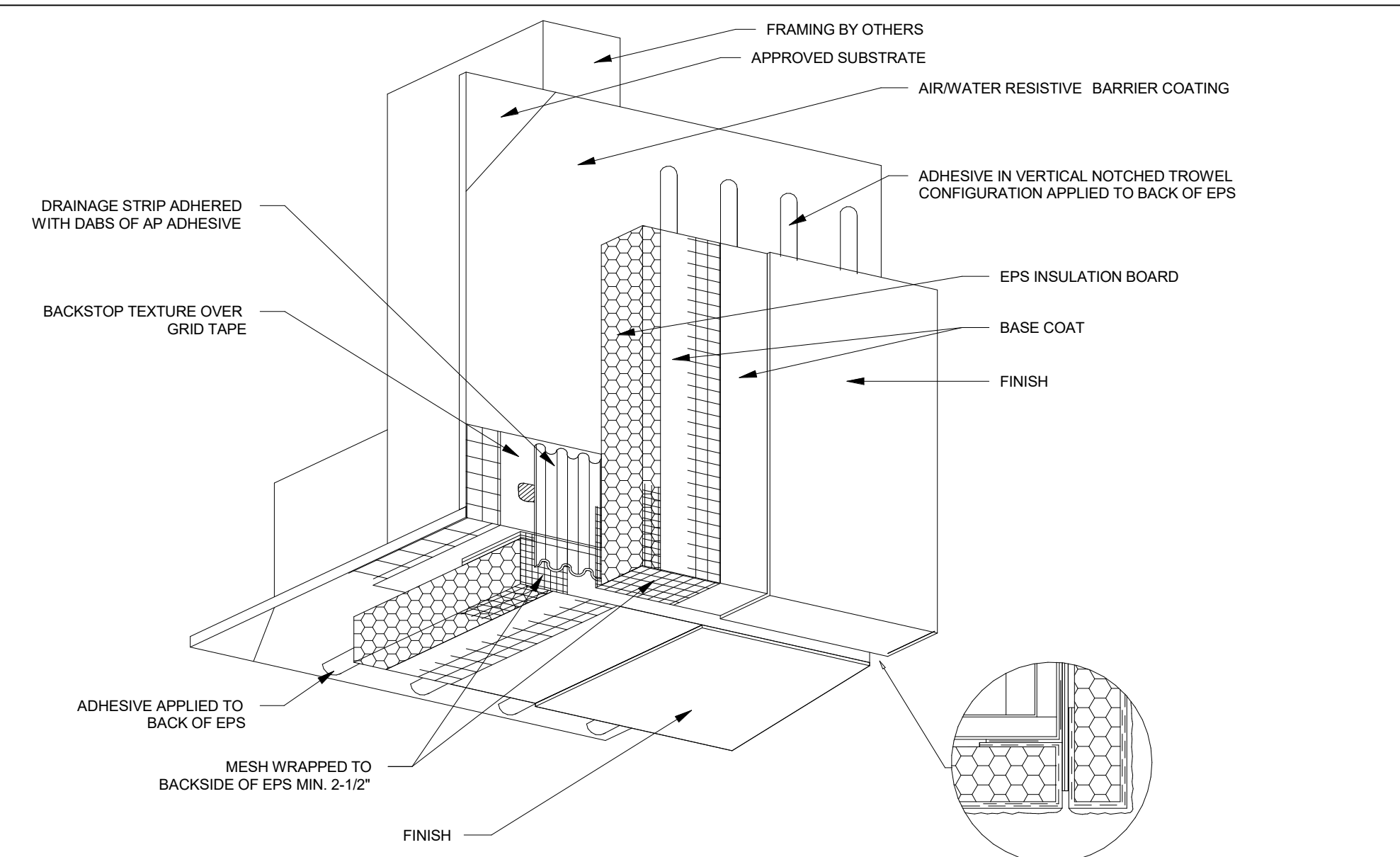
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SHEET TITLE
CURTAINWALL DETAILS

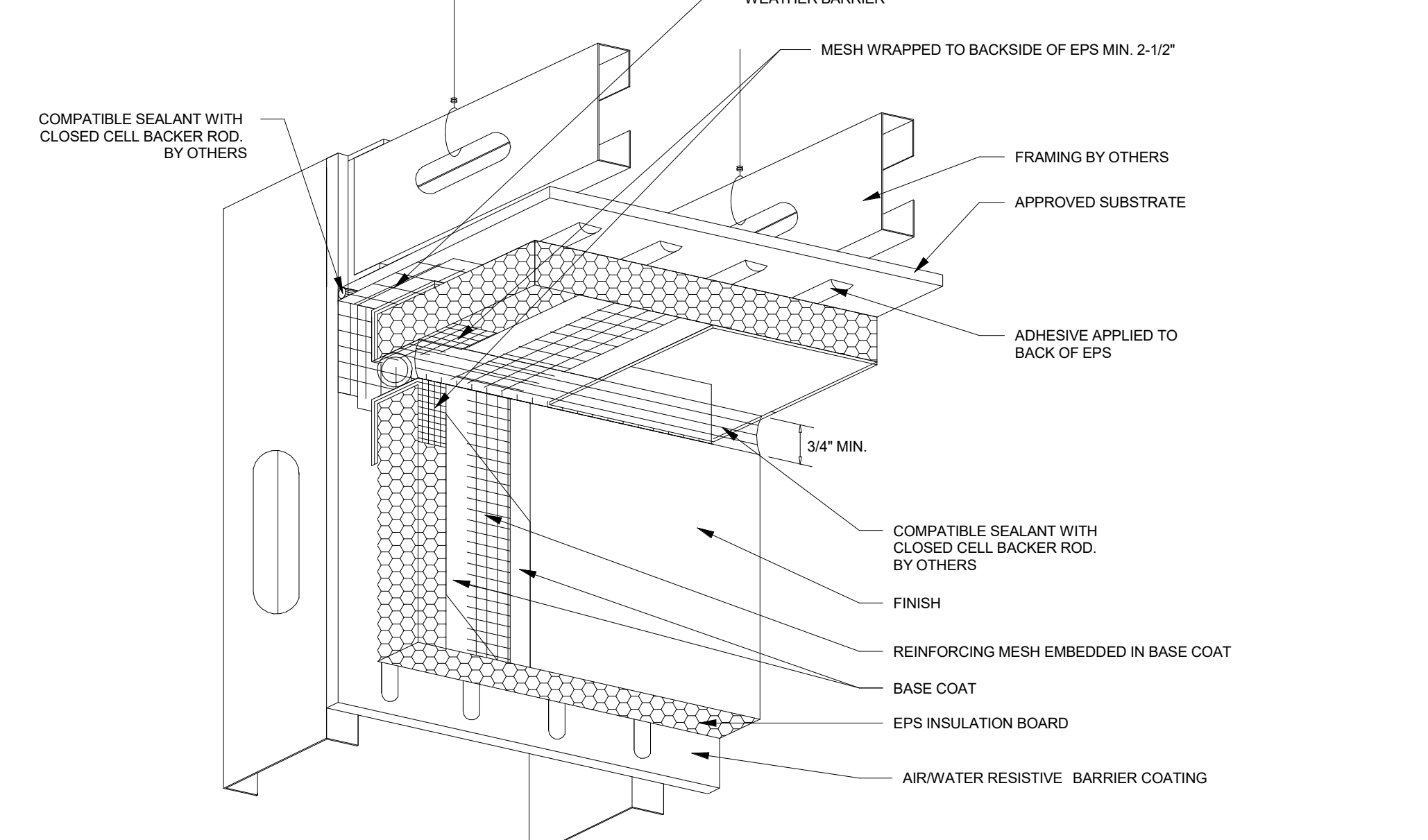
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A-5.5
OF



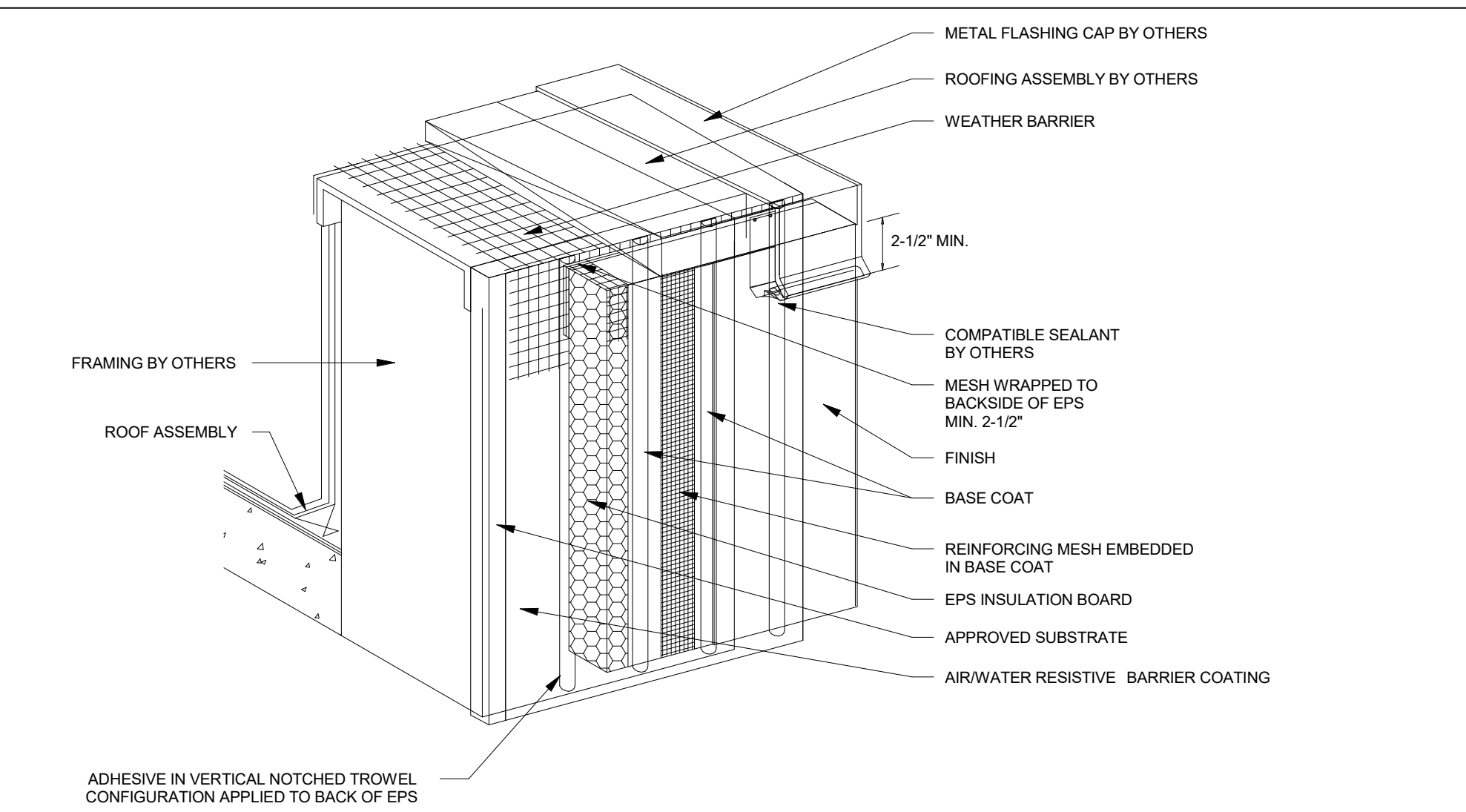
EIFS - INSIDE & OUTSIDE CORNER DETAILS
12\"/>



EIFS - TRANSITION AT FASCIA AND SOFFIT
12\"/>



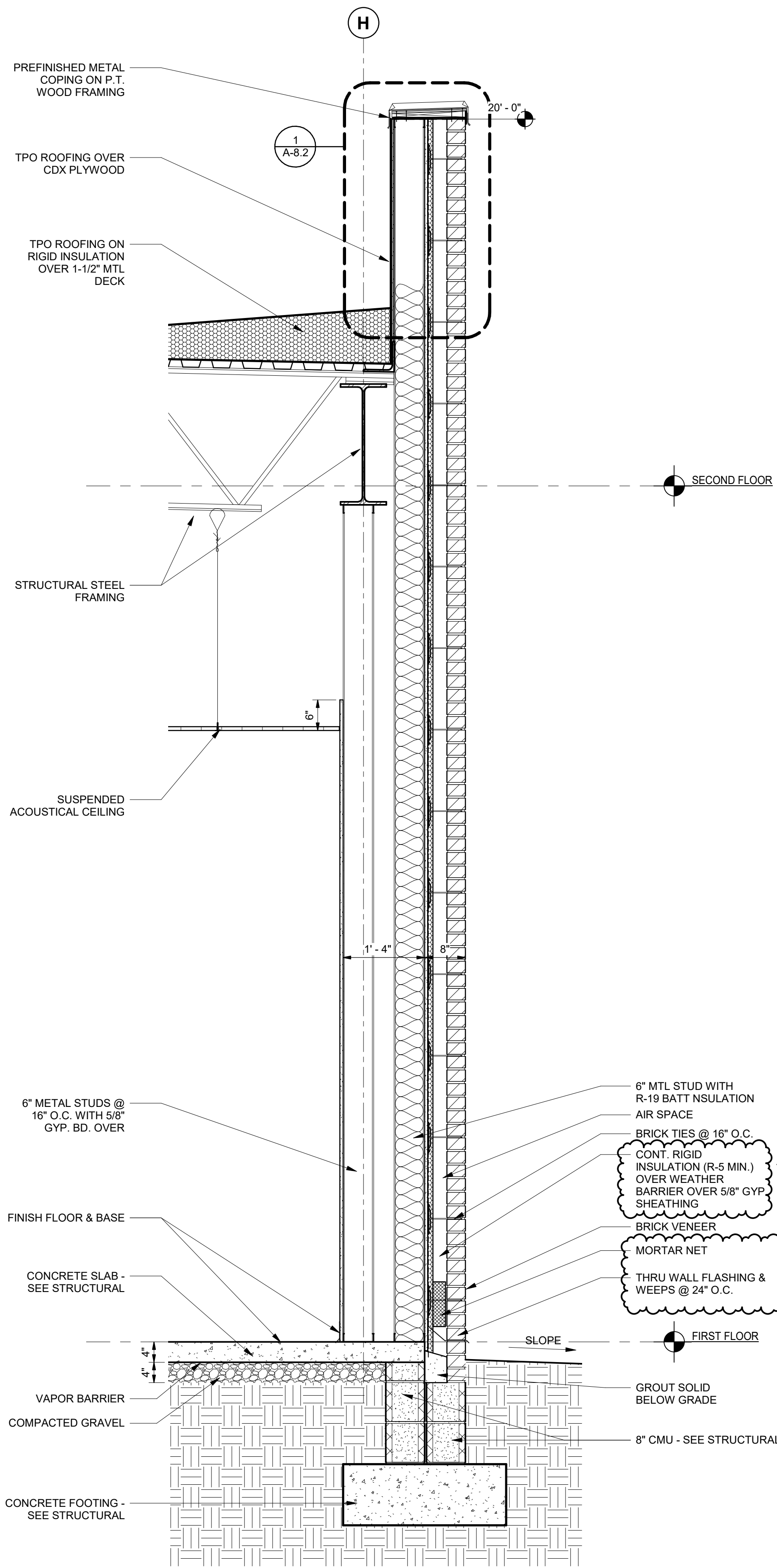
EIFS - VERTICAL WALL & SUSPENDED SOFFIT
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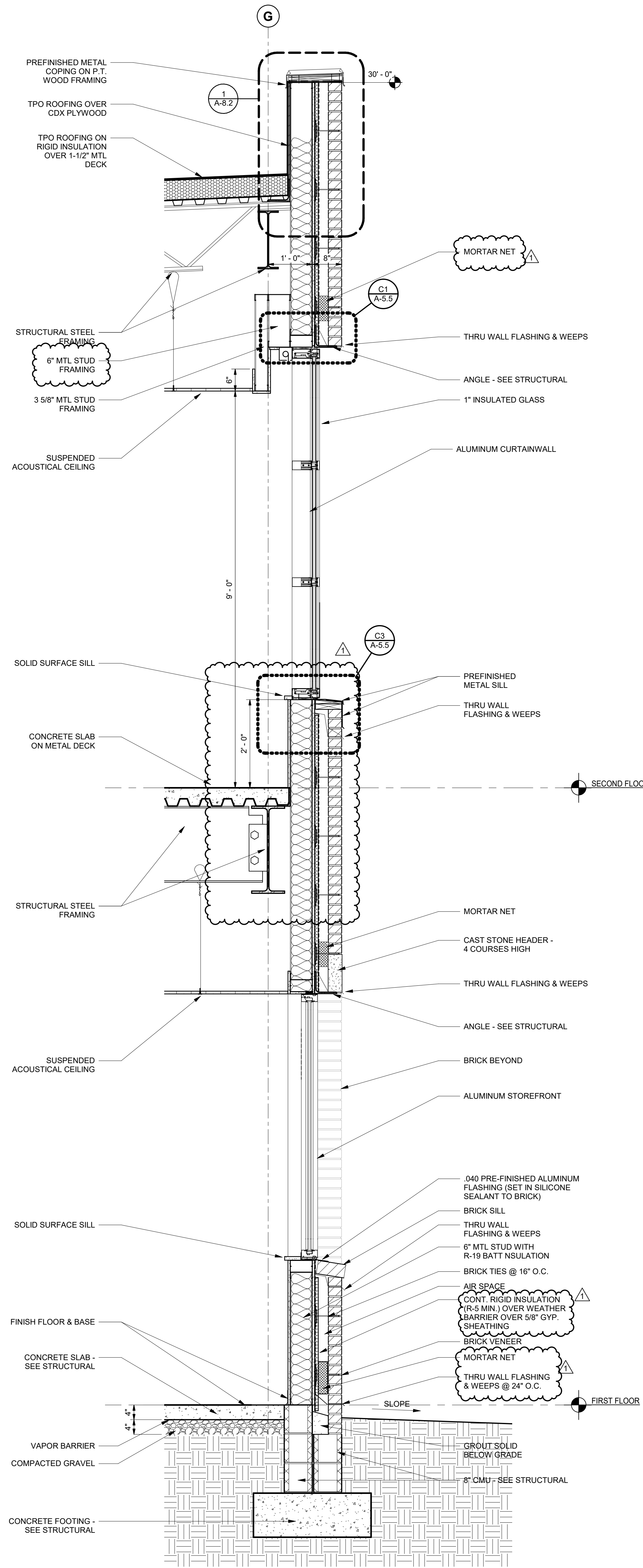
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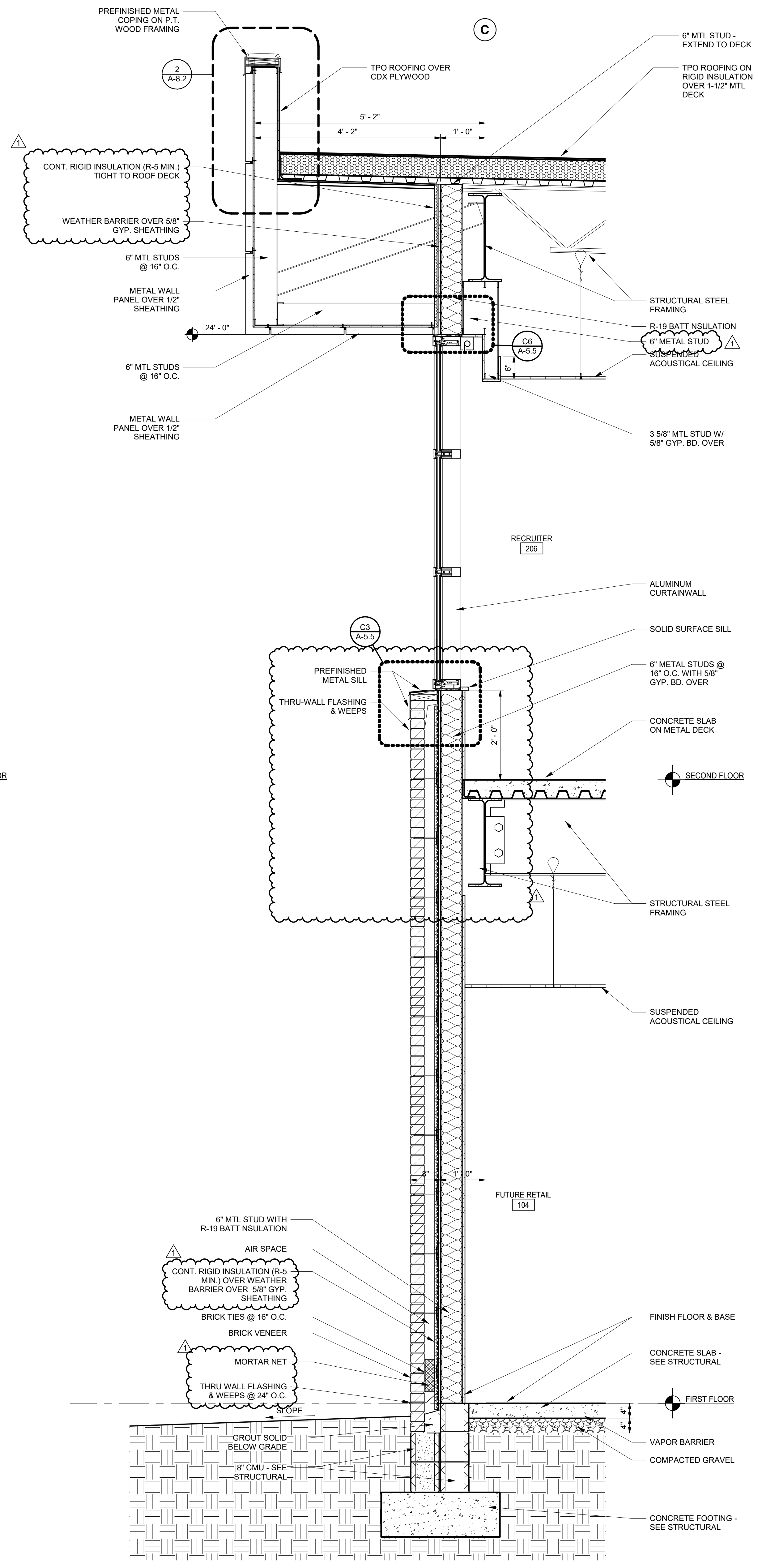
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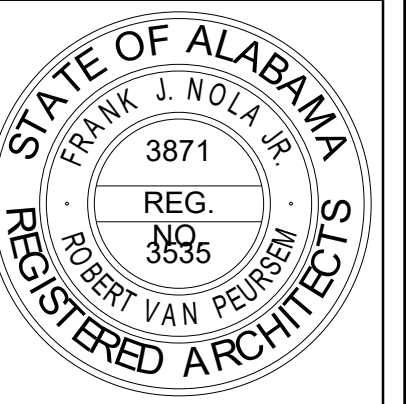
3 WALL SECTION
 3/4" = 1'-0"



2 WALL SECTION
 3/4" = 1'-0"



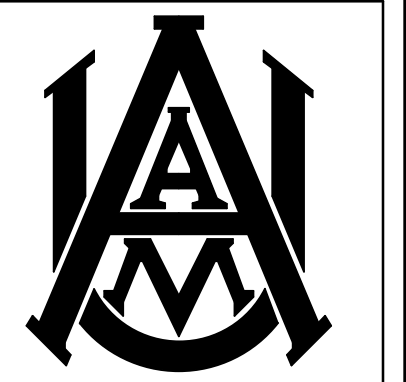
1 WALL SECTION
 3/4" = 1'-0"



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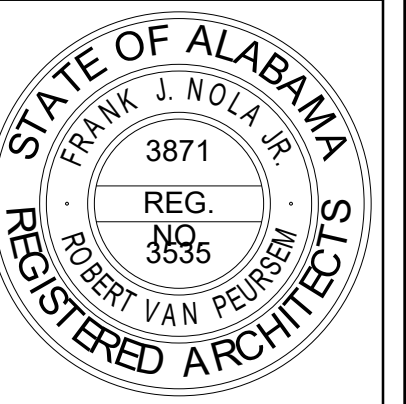
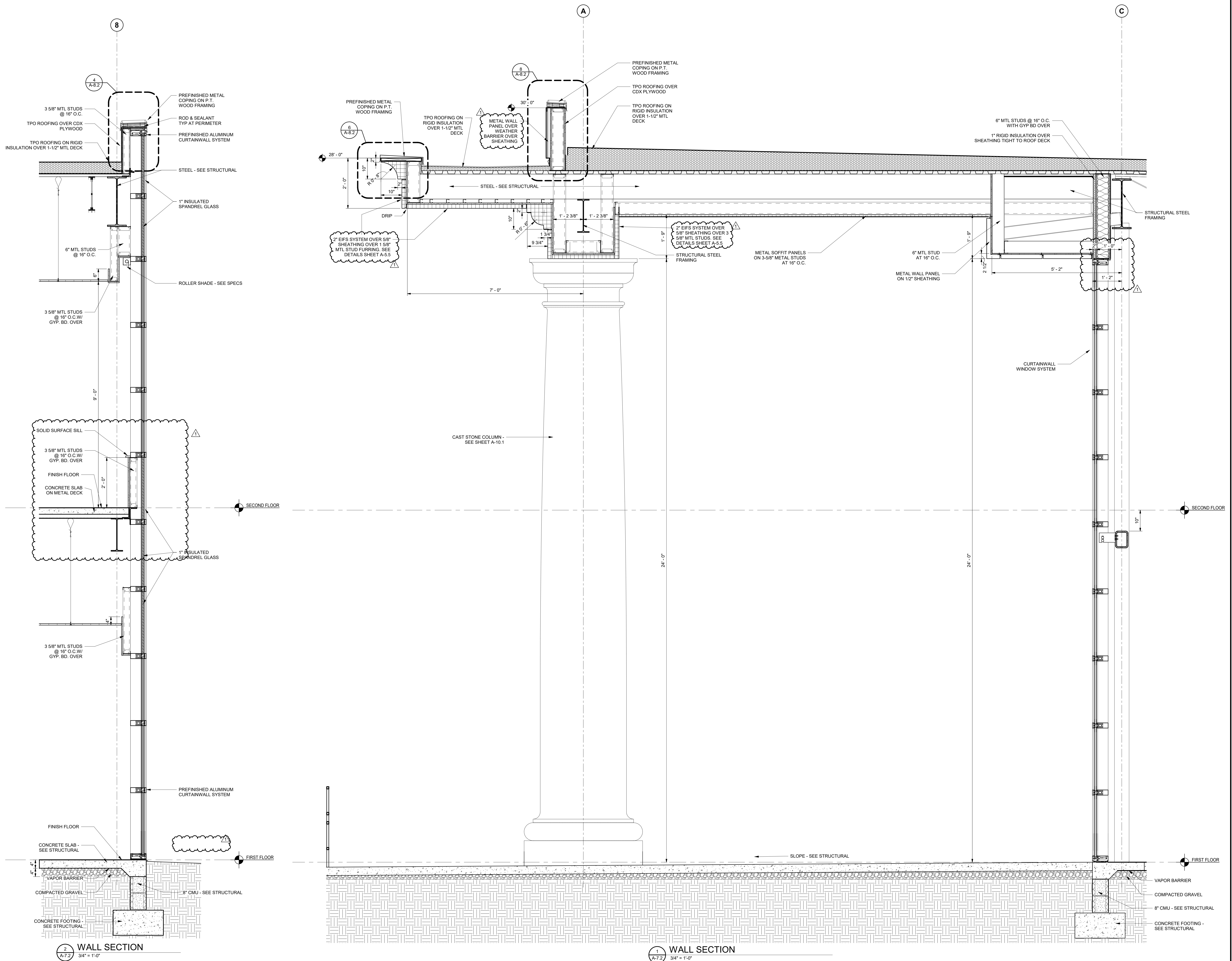
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WALL SECTIONS

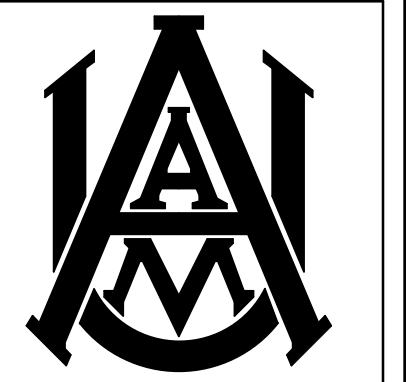
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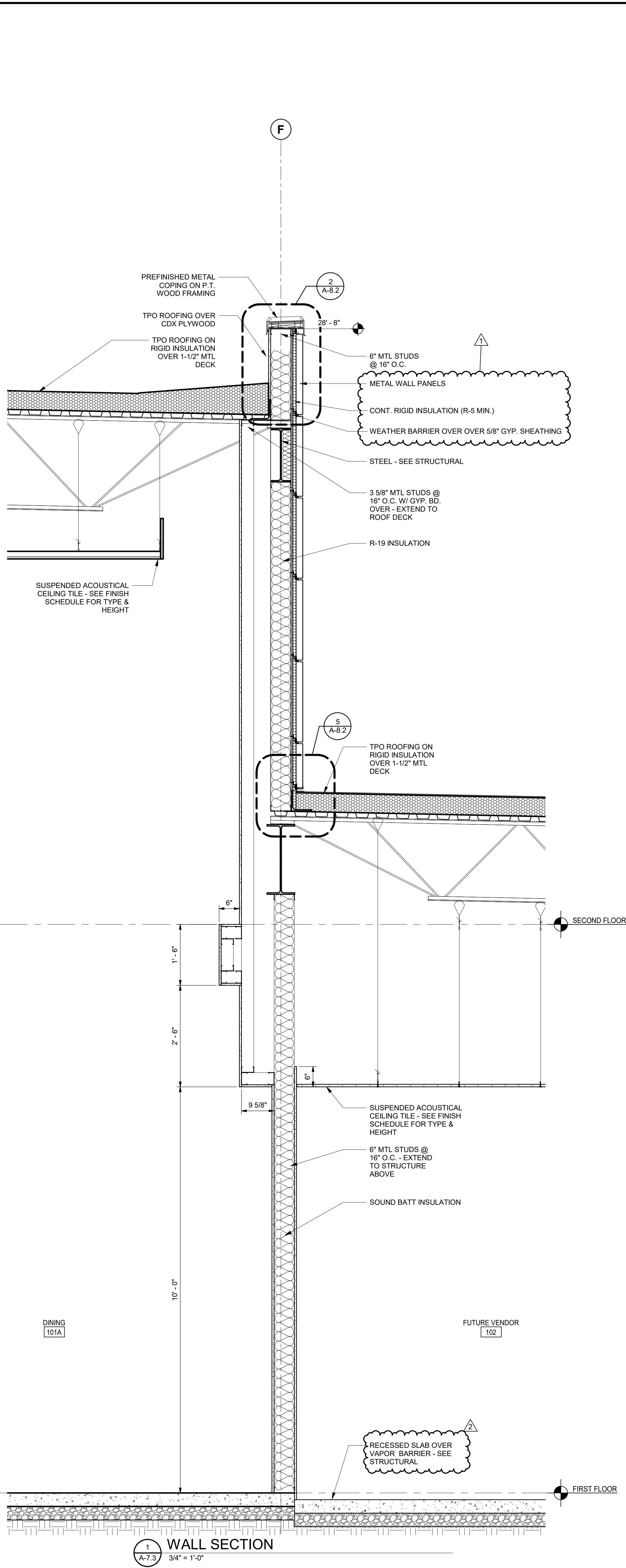
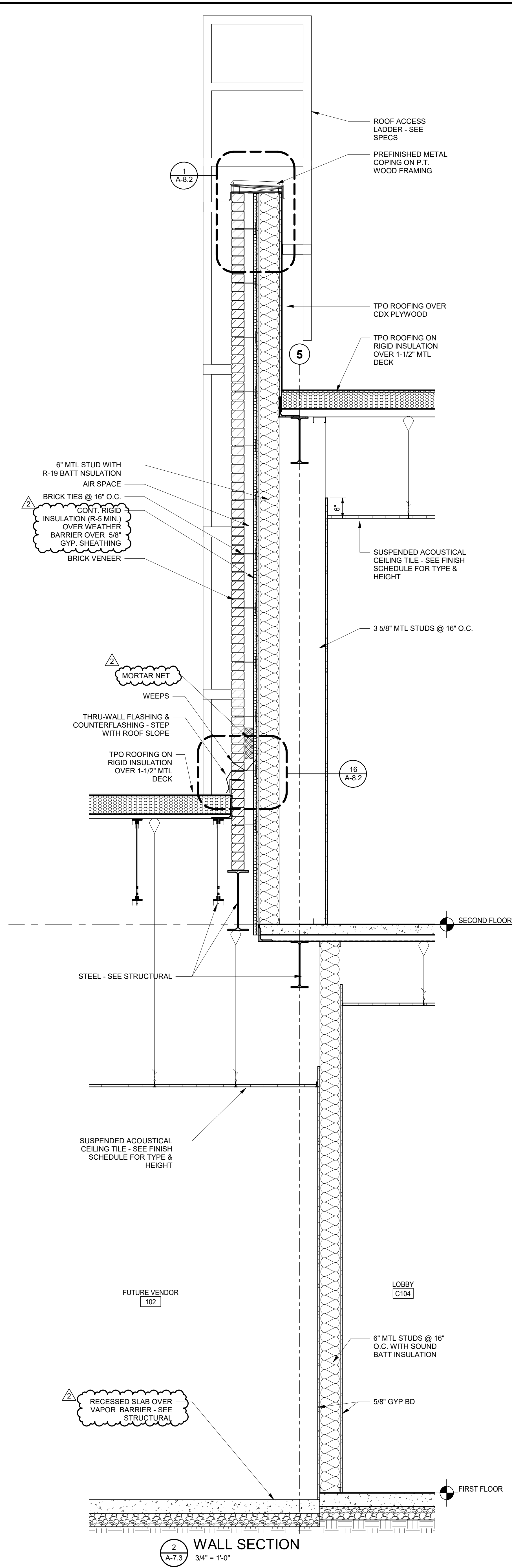
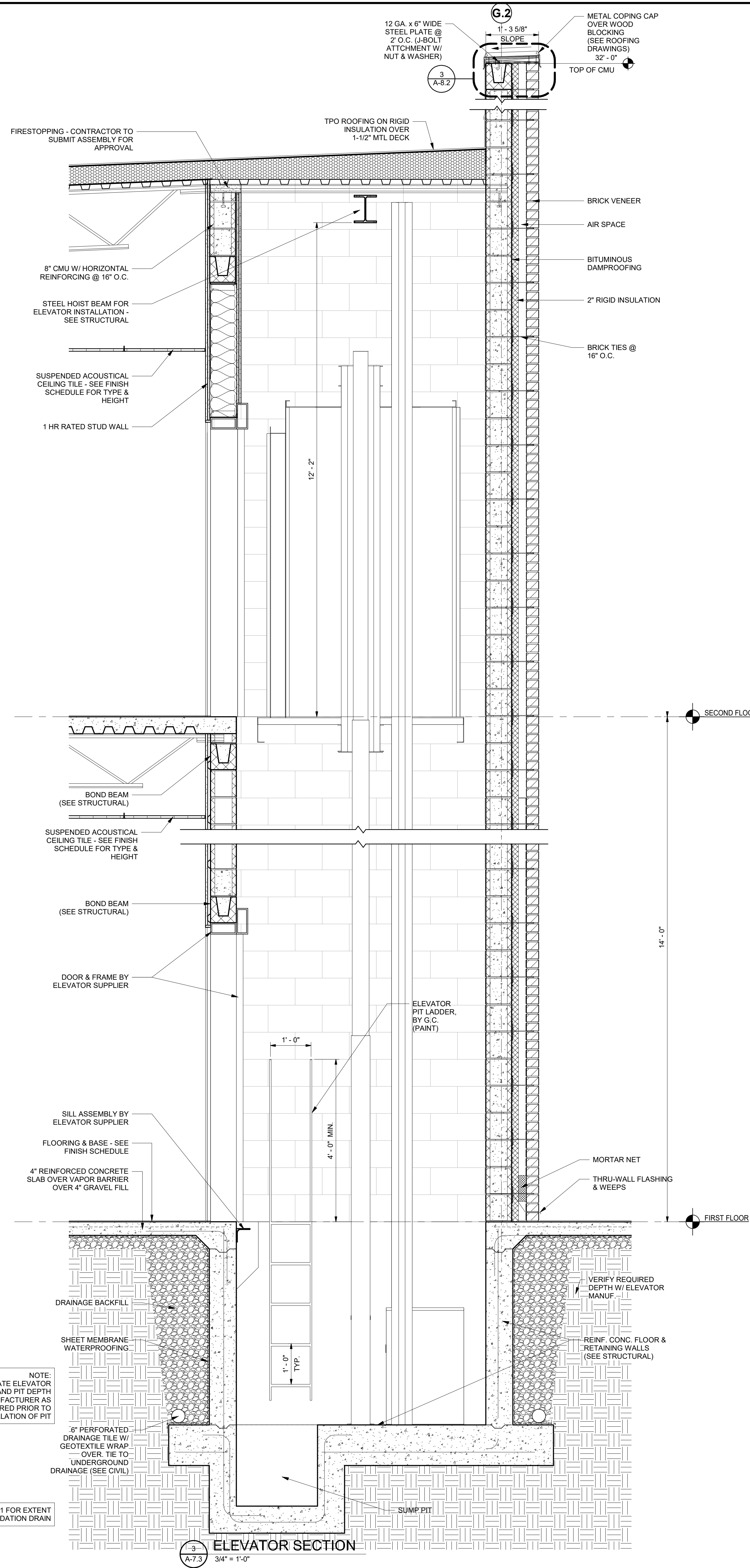
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SHEET TITLE
WALL SECTIONS

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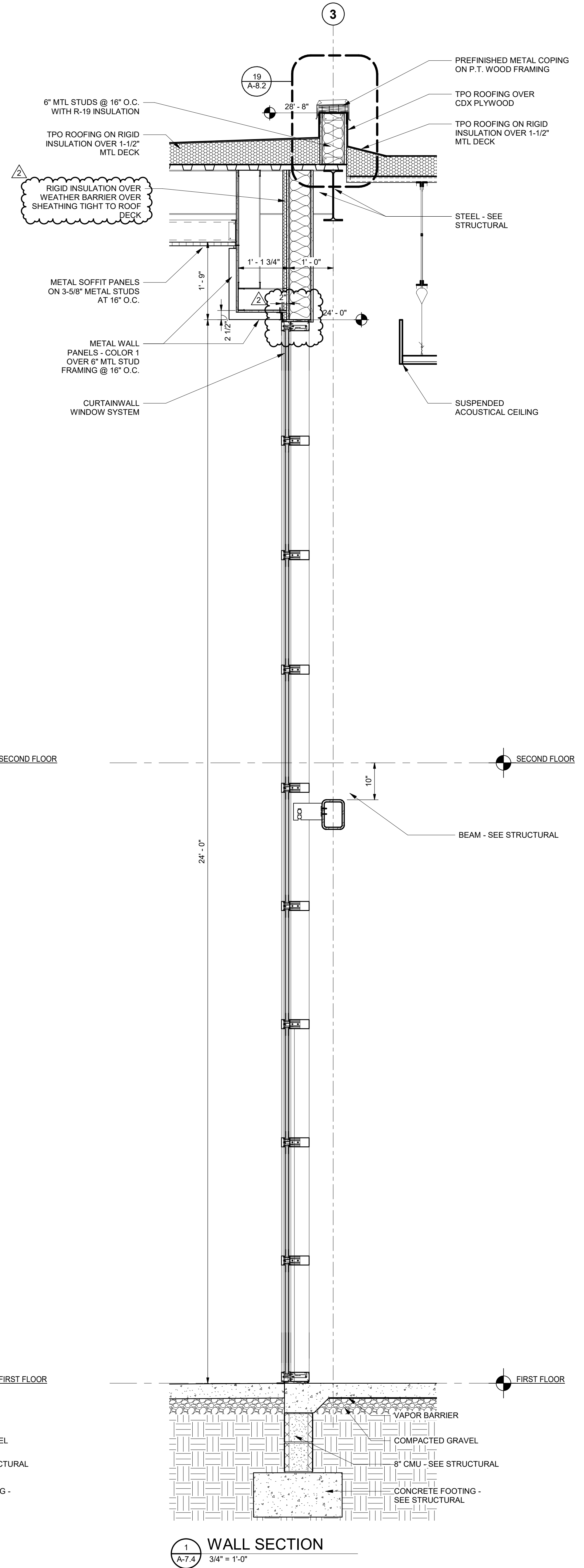
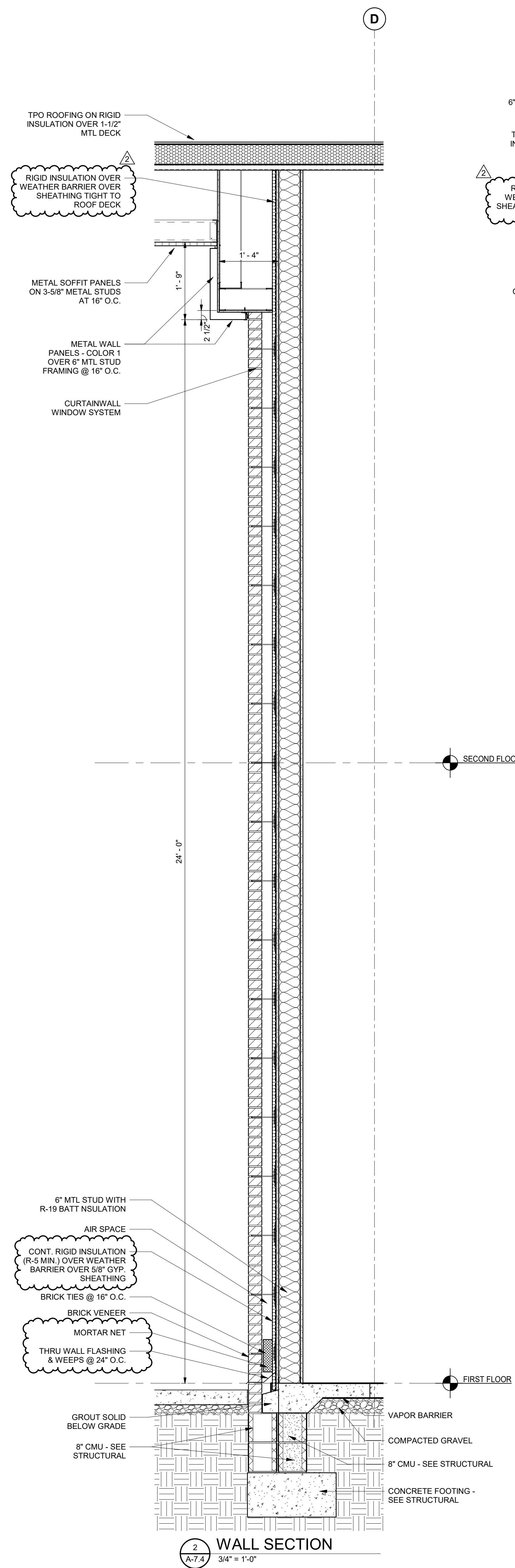
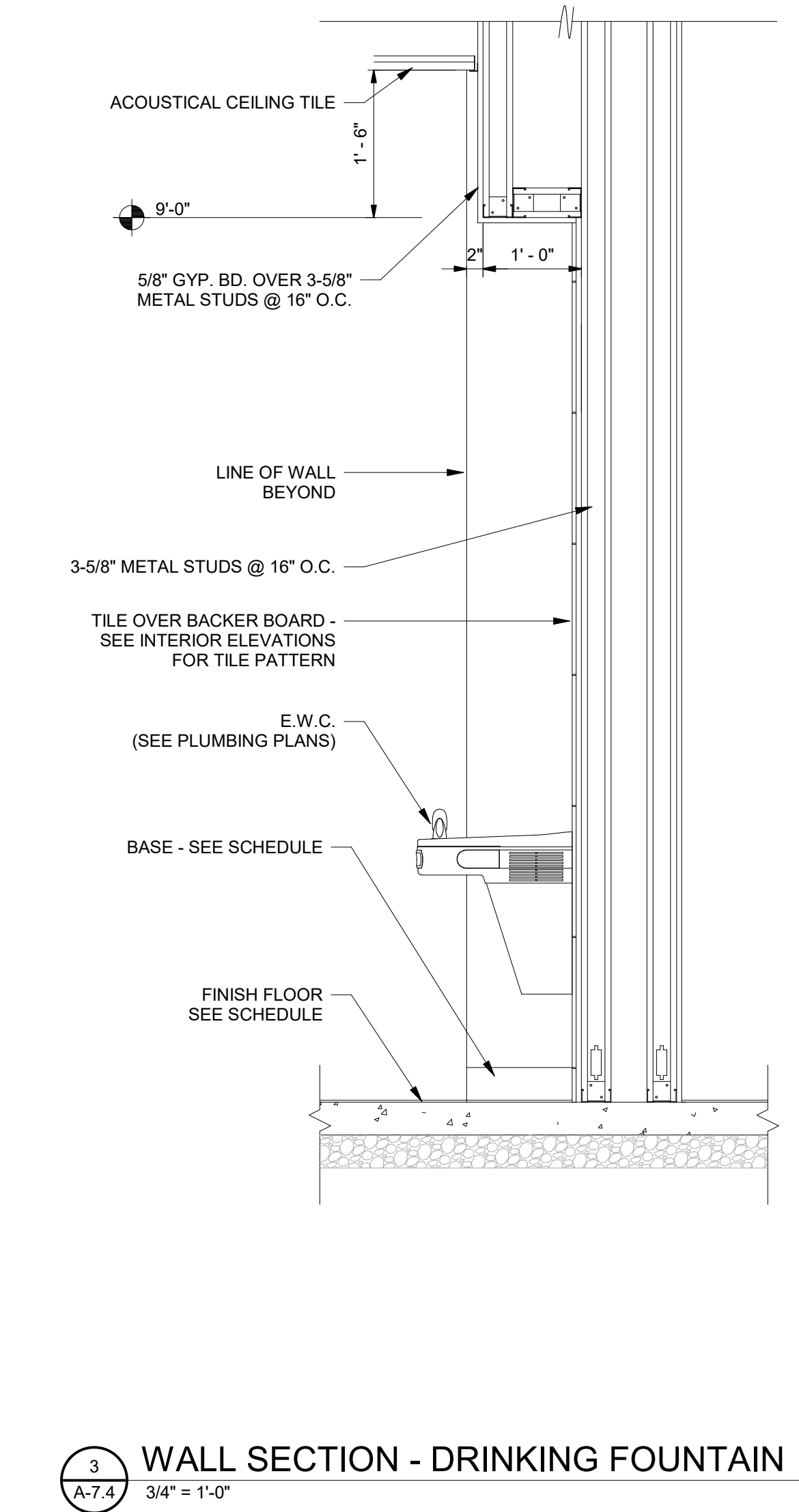
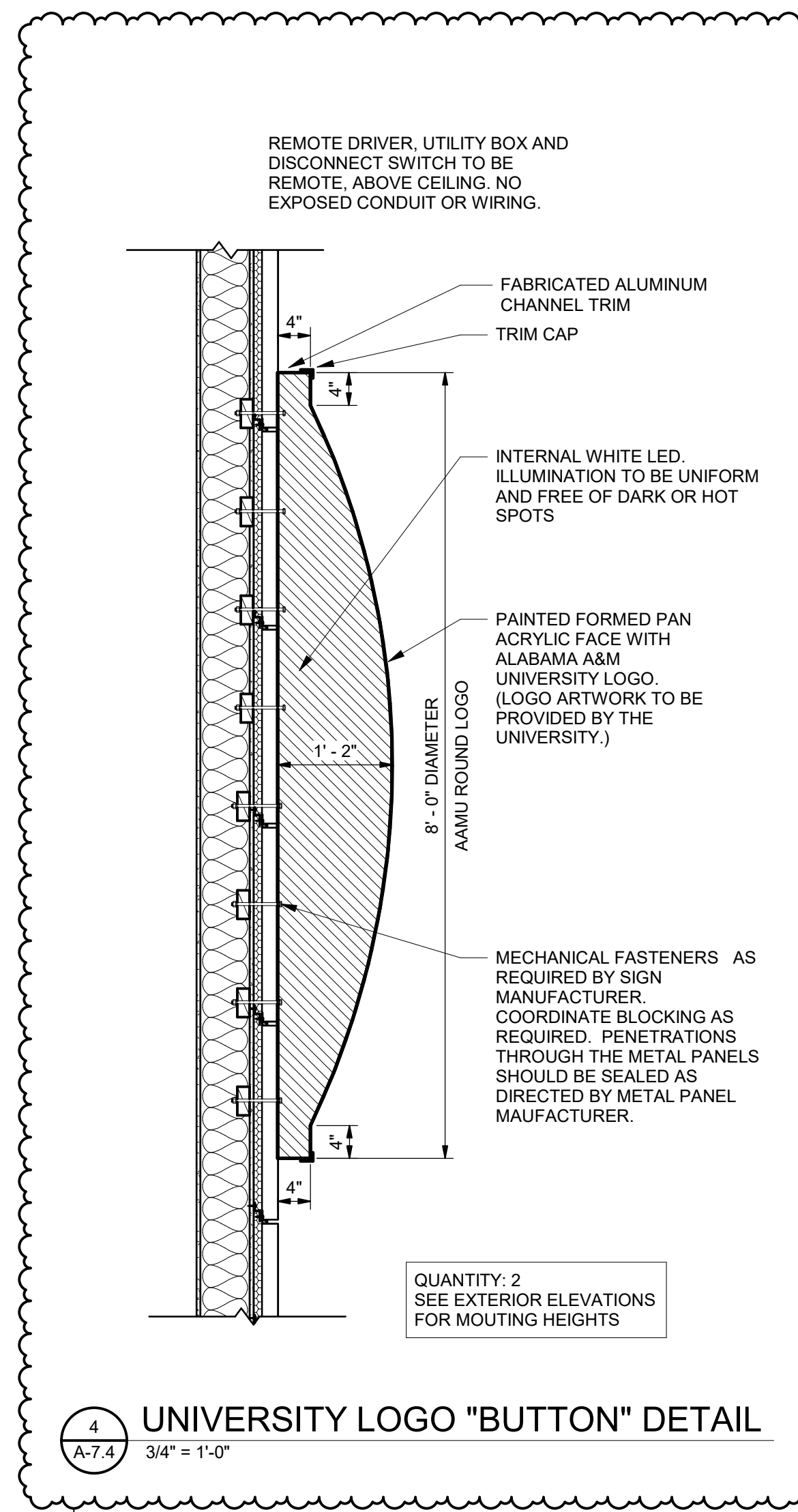
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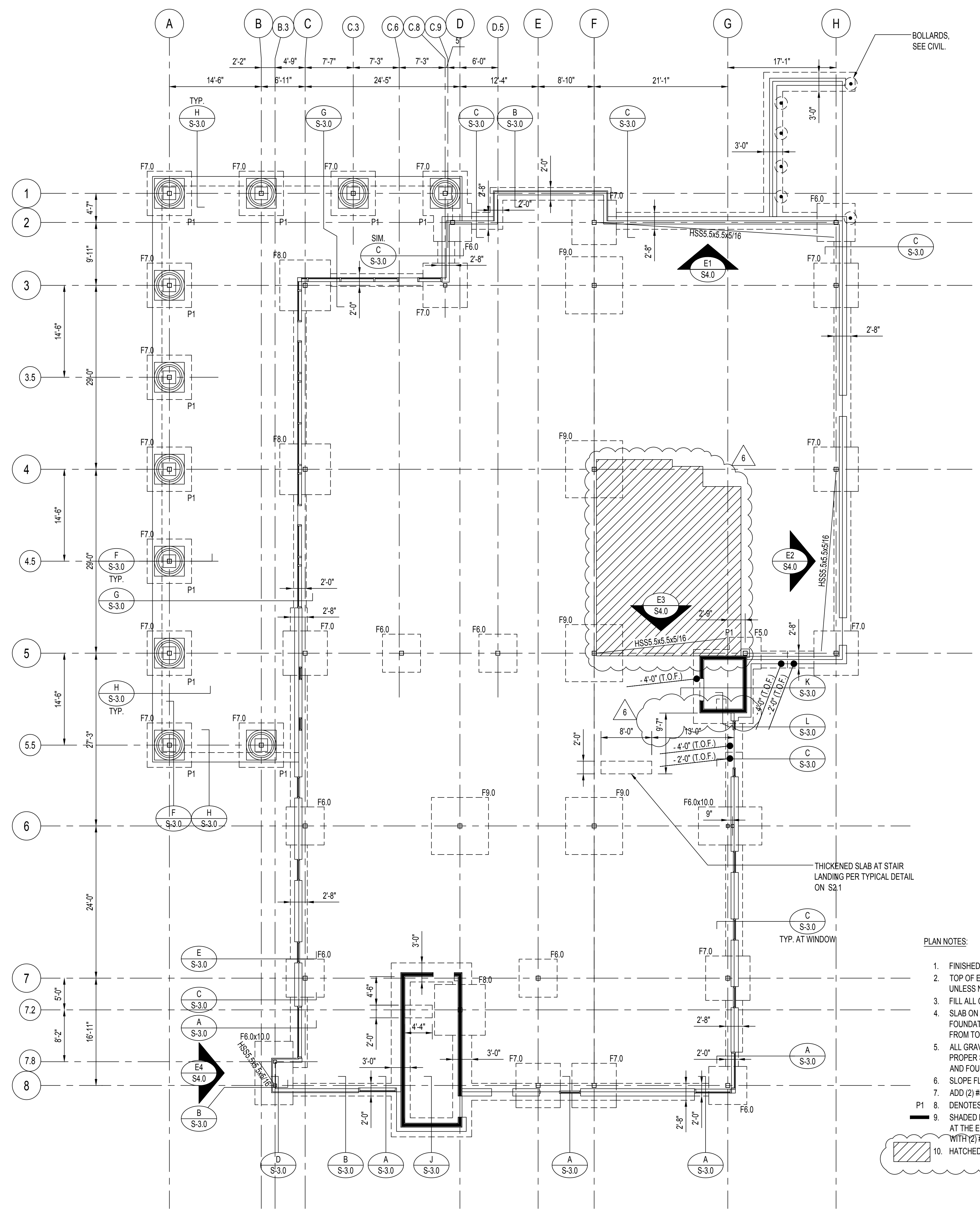
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1 ADDENDUM 5 3/31/2021
2 ADDENDUM 6 4/1/2021

SHEET TITLE
WALL SECTIONS

SHEET NUMBER
A-7.3
OF





MARK:	FOOTING SIZE: W x L x D	REINFORCING:
F4.0	4'-0"x4'-0"x16"	5 #5 EACH WAY, BOTTOM
F5.0	5'-0"x5'-0"x16"	6 #5 EACH WAY, BOTTOM
F6.0	6'-0"x6'-0"x18"	6 #6 EACH WAY, BOTTOM
F7.0	7'-0"x7'-0"x20"	7 #6 EACH WAY, BOTTOM
F8.0	8'-0"x8'-0"x24"	8 #7 EACH WAY, BOTTOM
F9.0	9'-0"x9'-0"x36"	8 #6 EACH WAY, TOP AND BOTTOM
F6.0x10.0	6'-0"x10'-0"x20"	6 #6 LONG WAY, BOTTOM 10 #6 SHORT WAY, BOTTOM

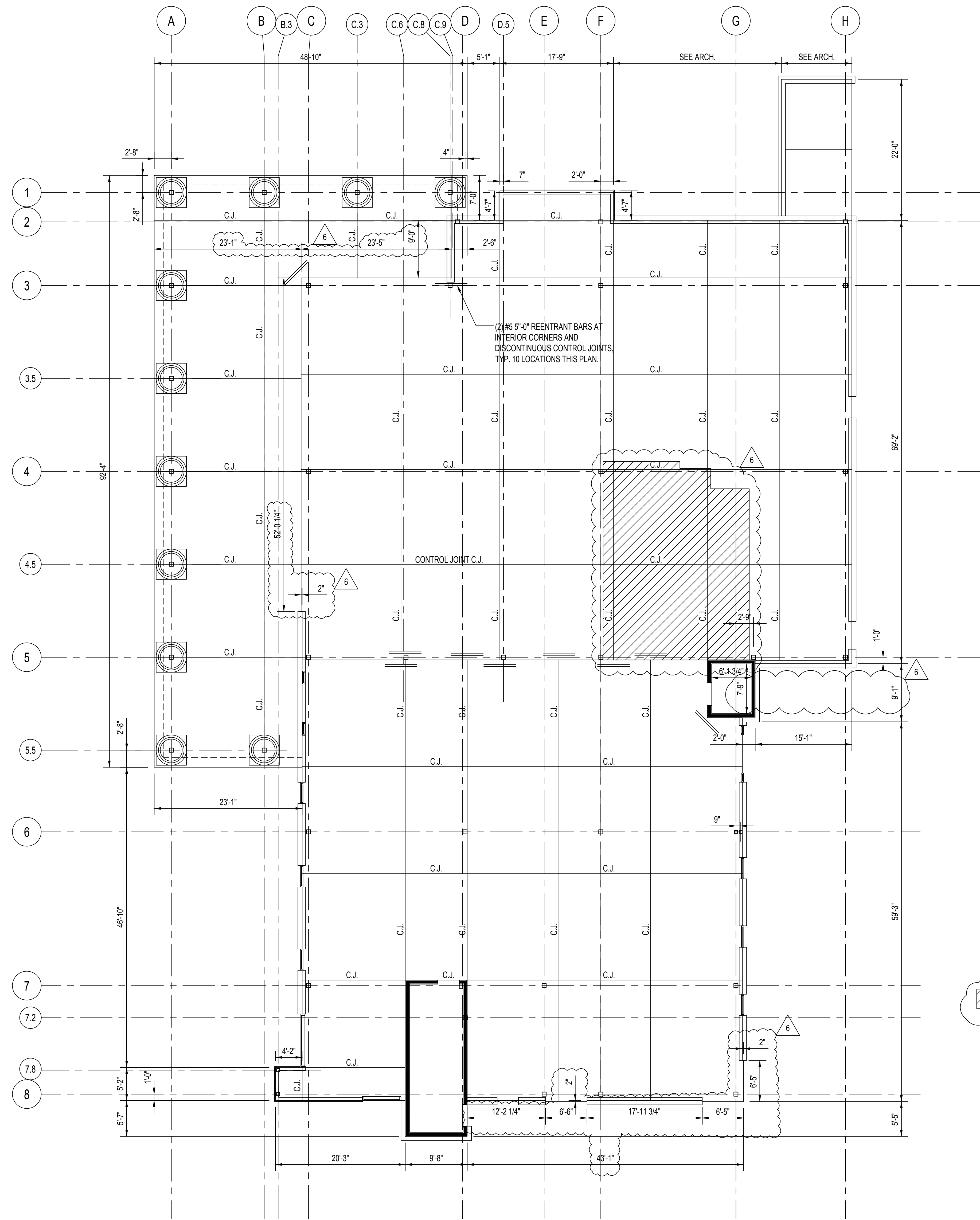
NORTH
FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

PLAN NOTES:

- FINISHED FLOOR ELEVATION (0'-0") (SEE CIVIL FOR DATUM).
- TOP OF EXTERIOR FOOTING ELEVATION (-2'-0") OR A MINIMUM OF 12" BELOW ADJACENT FINISHED GRADE, WHICHEVER IS LOWER, UNLESS NOTED OTHERWISE ON PLAN. TOP OF INTERIOR FOOTING ELEVATION (-2'-0" U.N.O.).
- FILL ALL CELLS OF MASONRY BELOW GRADE WITH 3000 PSI GROUT.
- SLAB ON GRADE IN 4" (MIN) CONCRETE SLAB ON 15 MIL VAPOR BARRIER AND 4" (MIN.) POROUS FILL COMPACTED PER SITE AND FOUNDATION GENERAL NOTES. REINFORCE CONCRETE SLAB WITH 6x6 W2.9/W2.9 W.W.F. **SUPPORTED ON CONTINUOUS CHAIRS** AT 2' FROM TOP OF SLAB. SEE CONTINUOUS CHAIR DETAIL ON S-2.2.
- ALL GRAVEL FILL MUST BE PLACED IN 8" (MAX.) LIFTS AND COMPACTED PER SITE AND FOUNDATION GENERAL NOTES TO ENSURE PROPER SUPPORT OF SLABS-ON GRADE. SPECIAL CARE MUST BE GIVEN TO COMPACTING BACKFILL IN TRENCHES (REFER TO SITE AND FOUNDATION GENERAL NOTES).
- SLOPE FLOOR SLAB TO DRAIN AS REQUIRED IN ARCHITECTURAL PLANS.
- ADD (2) #5 5'-0" REINFRANT BARS AT ALL INTERIOR CORNERS OF SLAB AND SLAB PENETRATIONS.
8. DENOTES PEDESTAL, SEE PEDESTAL REINFORCING DETAIL ON S-2.2.
- SHADED LINE INDICATES 8" CONCRETE MASONRY SHEAR WALL. REINFORCE WITH #5 VERTICAL AT 32" O.C. AND #6 VERTICAL AT THE END CELLS OF EACH SHEAR WALL, CENTERED AND BOND BEAMS AT 1'(14'-0") AND TOP OF WALL, REINFORCED WITH (2) #4 HORIZONTAL, CONTINUOUS.
- HATCHED REGION DENOTES 2" RECESSED SLAB.



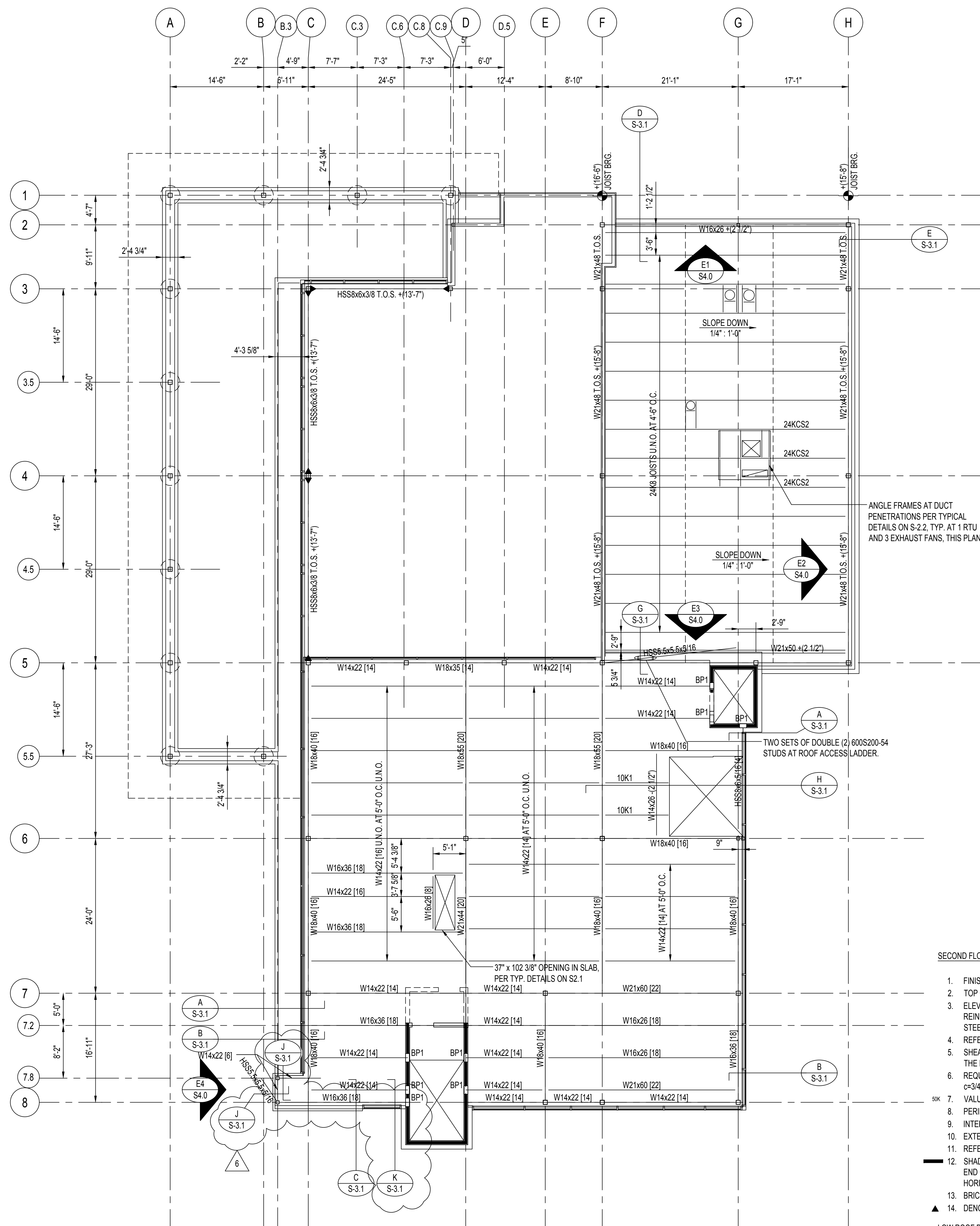
REVISIONS	No.	Description	Date
	2	Elevated Slab Con.	2/12/21
	6	Slabs	4/2/21



EDGE OF SLAB DIMENSION PLAN
 SCALE: 1/8" = 1'-0"

PLAN NOTES:

- THIS PLAN HAS BEEN PROVIDED TO SHOW THE EDGE OF SLAB DIMENSIONS OF THE BUILDING AND LOCATION OF CONTROL JOINTS.
- HATCHED REGION DENOTES 2" RECESSED SLAB.



ANGLE FRAMES AT DUCT PENETRATIONS PER TYPICAL DETAILS ON S-2.2. TYP. AT 1 RTU AND 3 EXHAUST FANS, THIS PLAN.

TWO SETS OF DOUBLE (2) 600S200-54 STUDS AT ROOF ACCESS LADDER.

NORTH

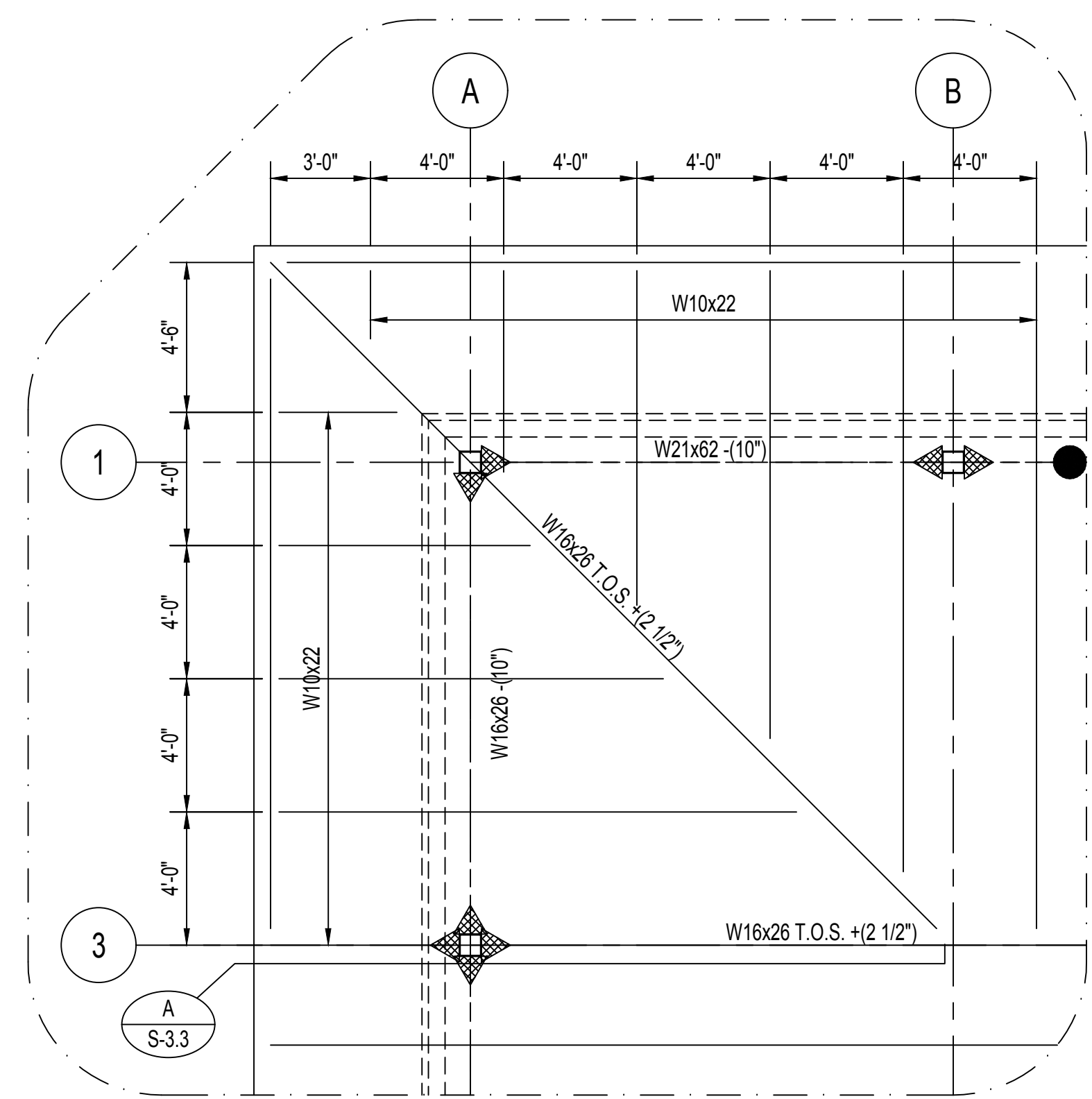
FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

SECOND FLOOR PLAN NOTES:

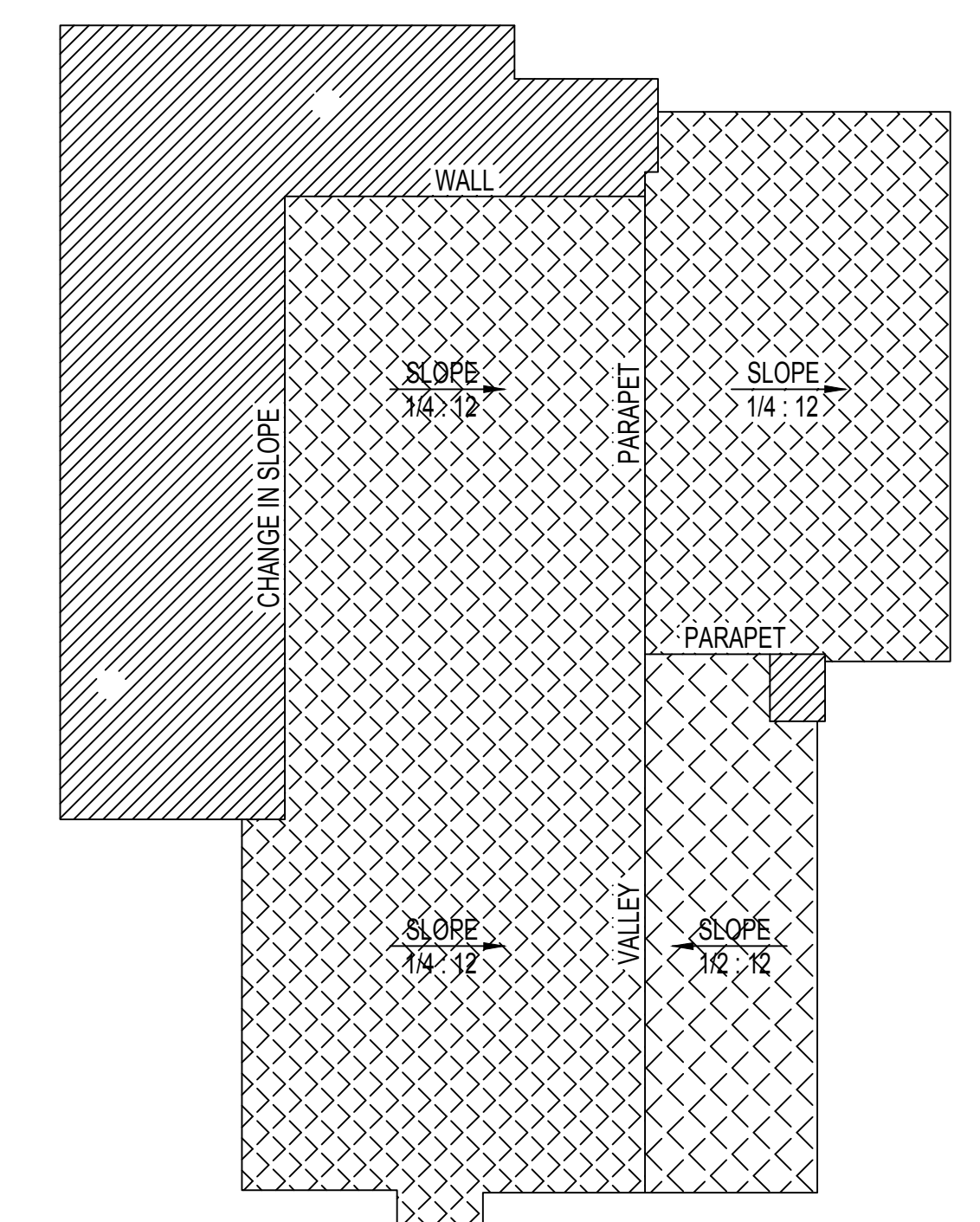
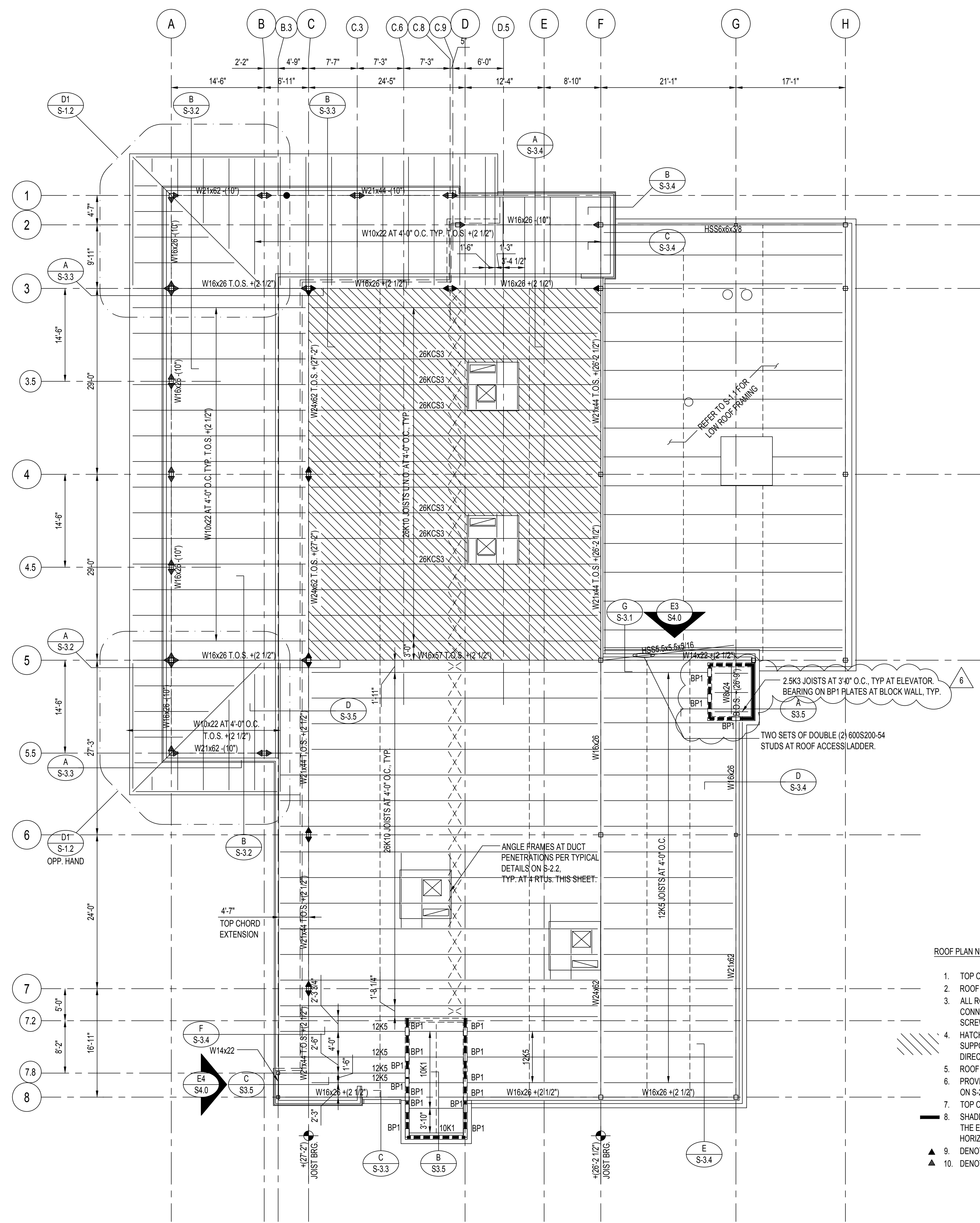
1. FINISHED FLOOR ELEVATION +14'-0".
2. TOP OF STEEL +13'-7", UNLESS NOTED OTHERWISE ON PLAN.
3. ELEVATED FLOOR FRAMING SYSTEM IS COMPOSITE STEEL BEAMS, AS SHOWN WITH 5" (TOTAL THICKNESS) CONCRETE SLAB REINFORCED WITH #6 W2.9/W2.9 W.W.F. ON CONT. CHAIRS 1 1/2" FROM TOP OF SLAB ON 1.5" VULCRAFT TYPE VL, 18 GA GALVANIZED STEEL DECK.
4. REFER TO THE GENERAL NOTES FOR COMPOSITE DECK CONNECTION.
5. SHEAR STUDS ARE TO BE 3/4" DIAM. X 3-1/2" LONG. THE NUMBER OF REQUIRED SHEAR STUDS IS NOTED IN BRACKETS FOLLOWING THE BEAM DESIGNATION. SHEAR STUDS ARE TO BE EQUALLY SPACED ALONG THE LENGTH OF THE BEAM UNLESS NOTED OTHERWISE.
6. REQUIRED CAMBER IS NOTED IMMEDIATELY FOLLOWING THE REQUIRED NUMBER OF SHEAR STUDS IN THE FOLLOWING MANNER, c=3/4".
7. VALUES AT END OF STEEL BEAMS DENOTE REACTIONS IN KIPS. DESIGN CONNECTION FOR 15K WHERE VALUES ARE OMITTED.
8. PERIMETER ANGLE TO BE 385S162-33 AT 16" O.C. UNLESS NOTED OTHERWISE.
9. INTERIOR PARTITIONS TO BE 385S162-33 AT 16" O.C. UNLESS NOTED OTHERWISE.
10. EXTERIOR WALL STUDS TO BE 600S200-54 AT 16" O.C. UNLESS NOTED OTHERWISE.
11. REFER TO SHEET S-2.1 FOR COLUMN SCHEDULE AND DETAILS.
12. SHADDED LINE INDICATES 8" CONCRETE MASONRY SHEAR WALL, REINFORCE WITH #5 VERTICAL AT 32" O.C. AND #6 HORIZONTAL AT THE END CELLS OF EACH SHEAR WALL, CENTERED AND BOND BEAMS AT 4(14'-0") AND TOP OF WALL, REINFORCED WITH (2) #4 HORIZONTAL CONTINUOUS.
13. BRICK RELIEF ANGLES FASTENED AS SHOWN IN ELEVATIONS AND DETAILS.
14. DENOTES MOMENT CONNECTION, REFER TO TYPICAL DETAILS SHEETS FOR SCHEDULE AND DETAILS.

LOW ROOF PLAN NOTES:

1. JOIST BEARING ELEVATION IS SHOWN ON NORTH END OF PLAN.
2. ROOF FRAMING TO BE STEEL JOISTS AS INDICATED AT 3'-0" O.C. UNLESS NOTED OTHERWISE.
3. ALL ROOF DECK TO BE 1 1/2" TYPE B, 22GA GALVANIZED STEEL DECK. CONNECT TO JOISTS WITH 5/8" PUDDLE WELDS IN A 3614 PATTERN. SIDE LAP FASTENERS TO BE #10 TEK SCREWS. PROVIDE (4) SIDE LAP FASTENERS PER SPAN.
4. ROOF JOIST BRIDGING PER S.I.I. SPECIFICATIONS. JOIST BRIDGING SHOWN IS APPROXIMATE.
5. PROVIDE ANGLE FRAMES AT ALL ROOF TOP MECHANICAL UNITS AND AT ALL ROOF PENETRATIONS. REFER TO TYPICAL DETAIL ON S-2.2.



DETAIL
SCALE 1/4" = 1'-0"
D1 S-1.2

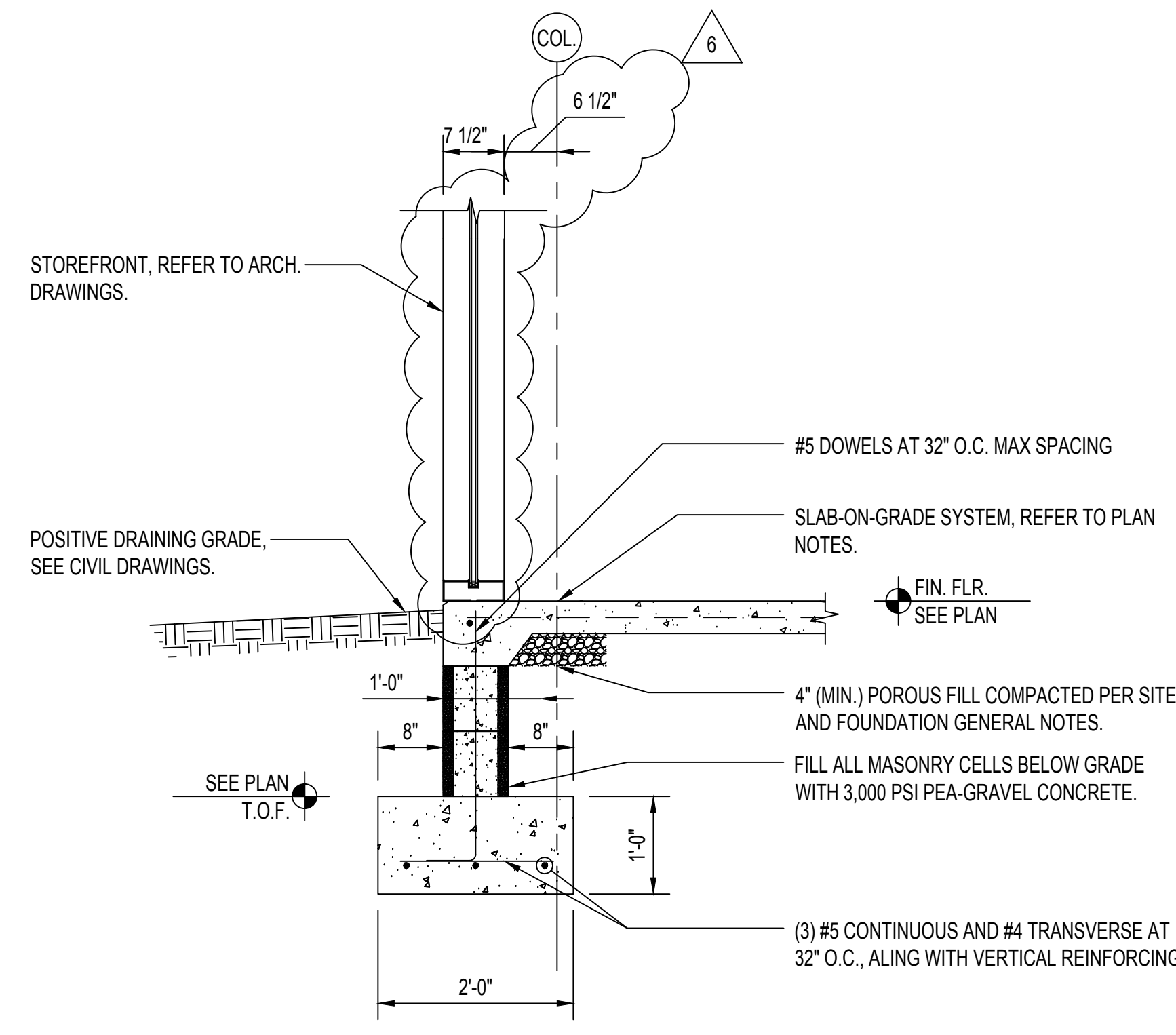


ROOF SLOPE FRAMING PLAN
N.T.S.

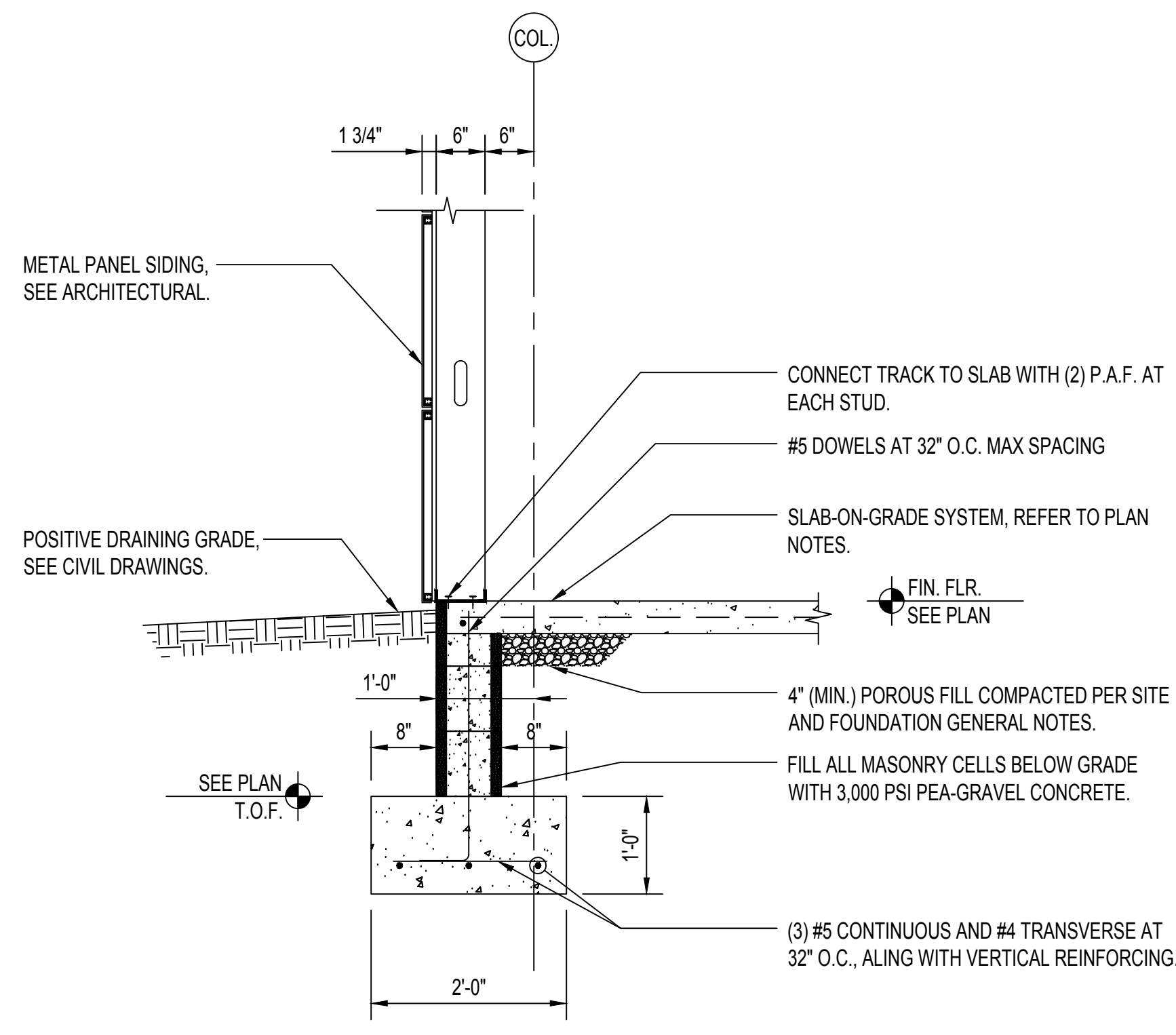
- ROOF SLOPE FRAMING PLAN NOTES:**
- THIS PLAN INDICATES WHERE THE ROOF STRUCTURE IS SLOPED OR LEVEL.
 - THIS PLAN DOES NOT SHOW TAPERED INSULATION, SEE ARCHITECTURAL ROOF DRAWINGS.
 - THIS PLAN DOES NOT SHOW CRICKETS NOR ROOF DRAINS, SEE MEP DRAWINGS.

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

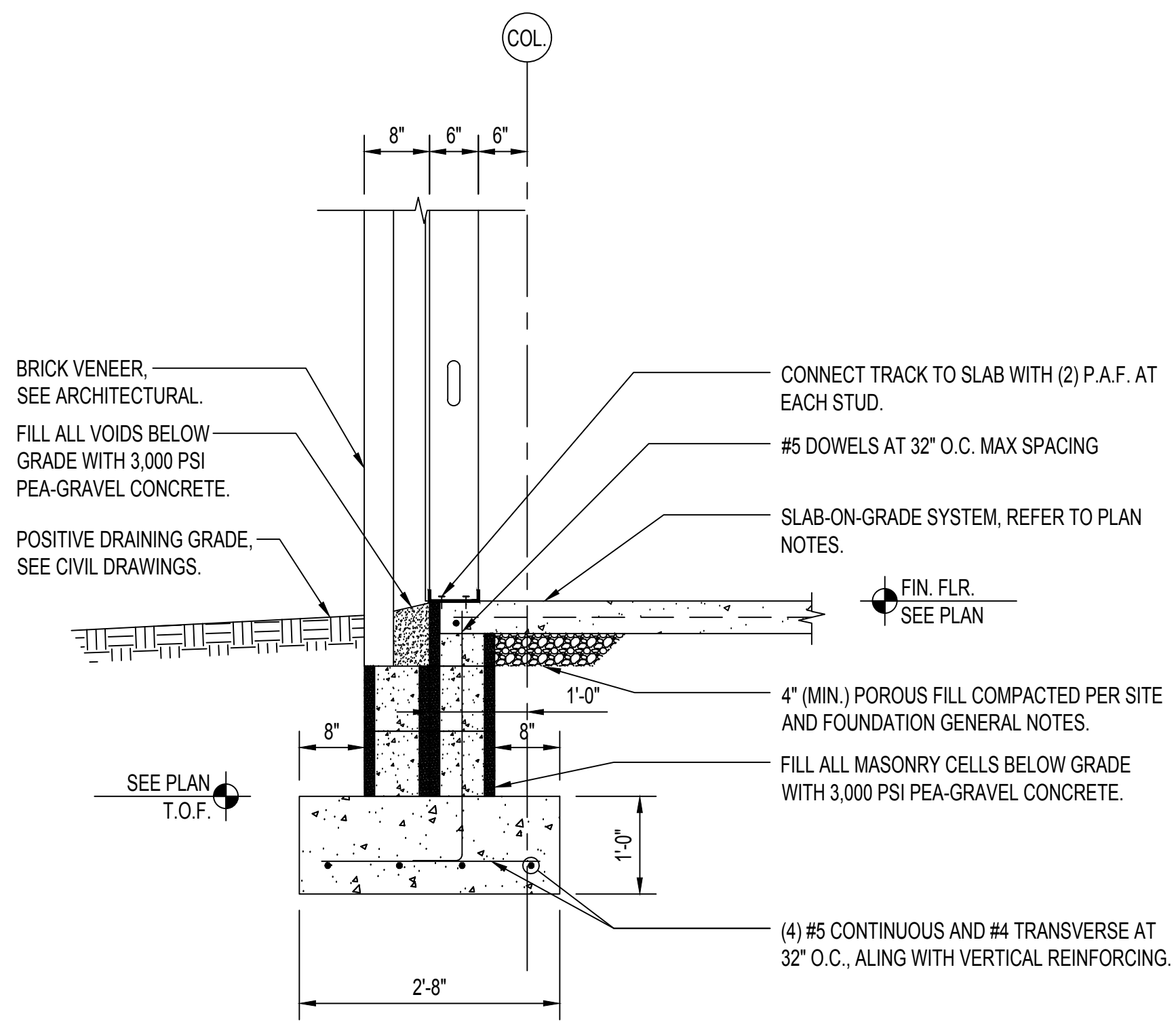
- ROOF PLAN NOTES:**
- TOP OF STEEL ELEVATION IS + (27'-2") UNLESS NOTED OTHERWISE.
 - ROOF FRAMING TO BE STEEL JOISTS AS INDICATED AT 5'-0" O.C., UNLESS NOTED OTHERWISE.
 - ALL ROOF DECK TO BE 1 1/2" TYPE B, 22GA GALVANIZED STEEL DECK, EXCEPT IN HATCHED REGION (SEE NOTE 4 BELOW). CONNECT TO SUPPORTING STRUCTURE WITH 5/8" PUDDLE WELDS IN A 36/4 PATTERN. SIDE LAP FASTENERS TO BE #10 TEK SCREWS. PROVIDE (4) SIDE LAP FASTENERS PER SPAN.
 - HATCHED REGION DENOTES ROOF DECK TO BE 1 1/2" TYPE B, 22GA GALVANIZED ACOUSTIC STEEL DECK. CONNECT TO SUPPORTING STRUCTURE AS DESCRIBED IN NOTE 3 ABOVE. HATCHED REGION IS BOUNDED BY COLUMN LINES 3 AND 5 (N-S DIRECTION) AND C AND F (E-W DIRECTION).
 - ROOF JOIST BRIDGING PER S.J.I. SPECIFICATIONS. JOIST BRIDGING SHOWN IS APPROXIMATE.
 - PROVIDE ANGLE FRAMES AT ALL ROOF TOP MECHANICAL UNITS AND AT ALL ROOF PENETRATIONS. REFER TO TYPICAL DETAIL ON S-2.2.
 - TOP OF MASONRY VENER, TOP OF STEEL TUBE AND TOP OF PARAPET TO BE +20'-0".
 - SHADED LINE INDICATES 8" CONCRETE MASONRY SHEAR WALL, REINFORCED WITH #5 VERTICAL AT 32" O.C. AND #6 VERTICAL AT THE END CELLS OF EACH SHEAR WALL, CENTERED AND BOND BEAMS AT + (14'-0") AND TOP OF WALL, REINFORCED WITH (2) #4 HORIZONTAL, CONTINUOUS.
 - ▲ DENOTES MOMENT CONNECTION, REFER TO TYPICAL DETAILS SHEETS FOR SCHEDULE AND DETAILS.
 - ▲ DENOTES MOMENT CONNECTION AT DROPPED GIRDER, SEE TYPICAL DETAILS SHEETS FOR SCHEDULE AND DETAILS.



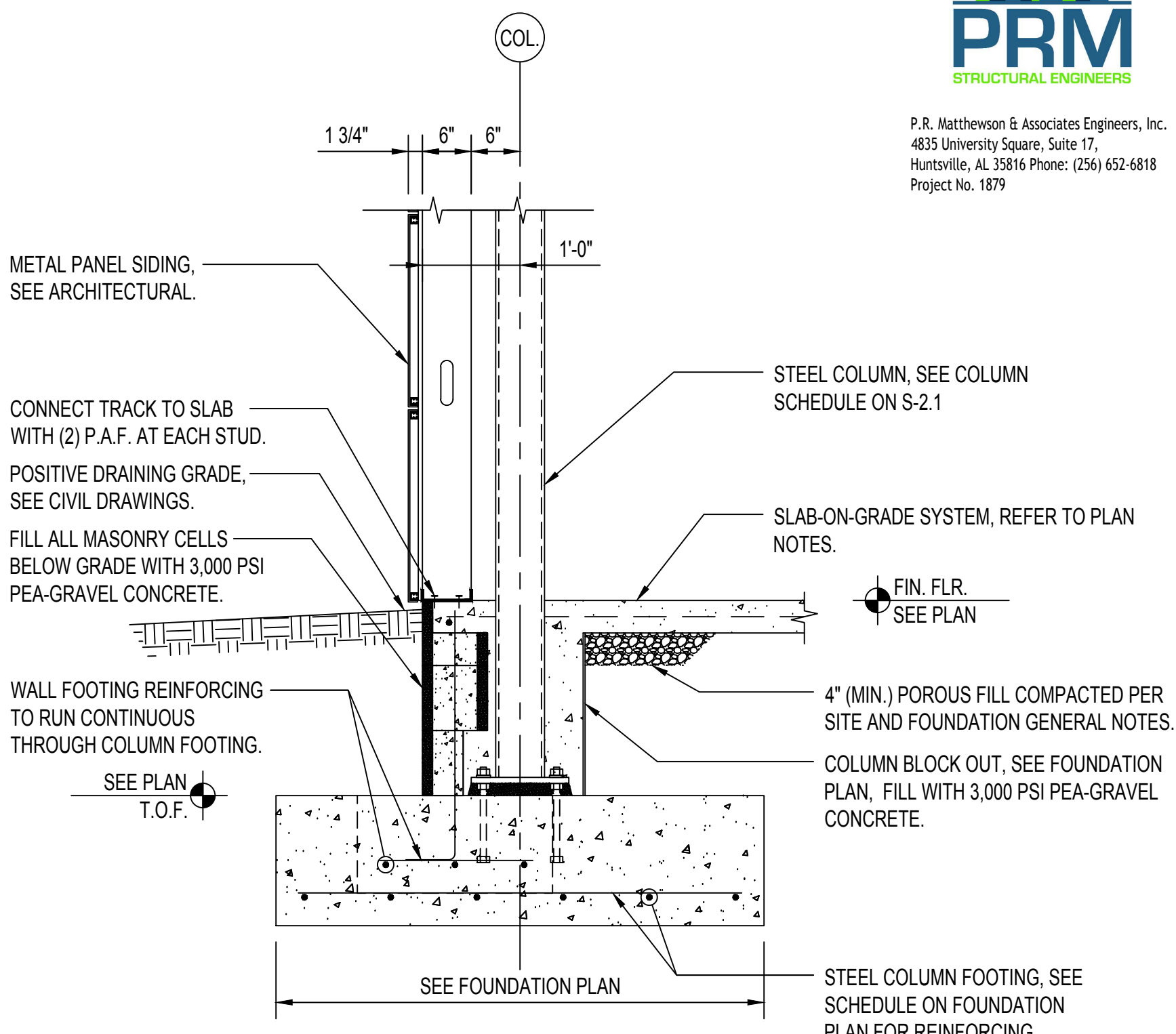
SECTION A
SCALE 3/4" = 1'-0"
TYP. AT CURTAIN WALL



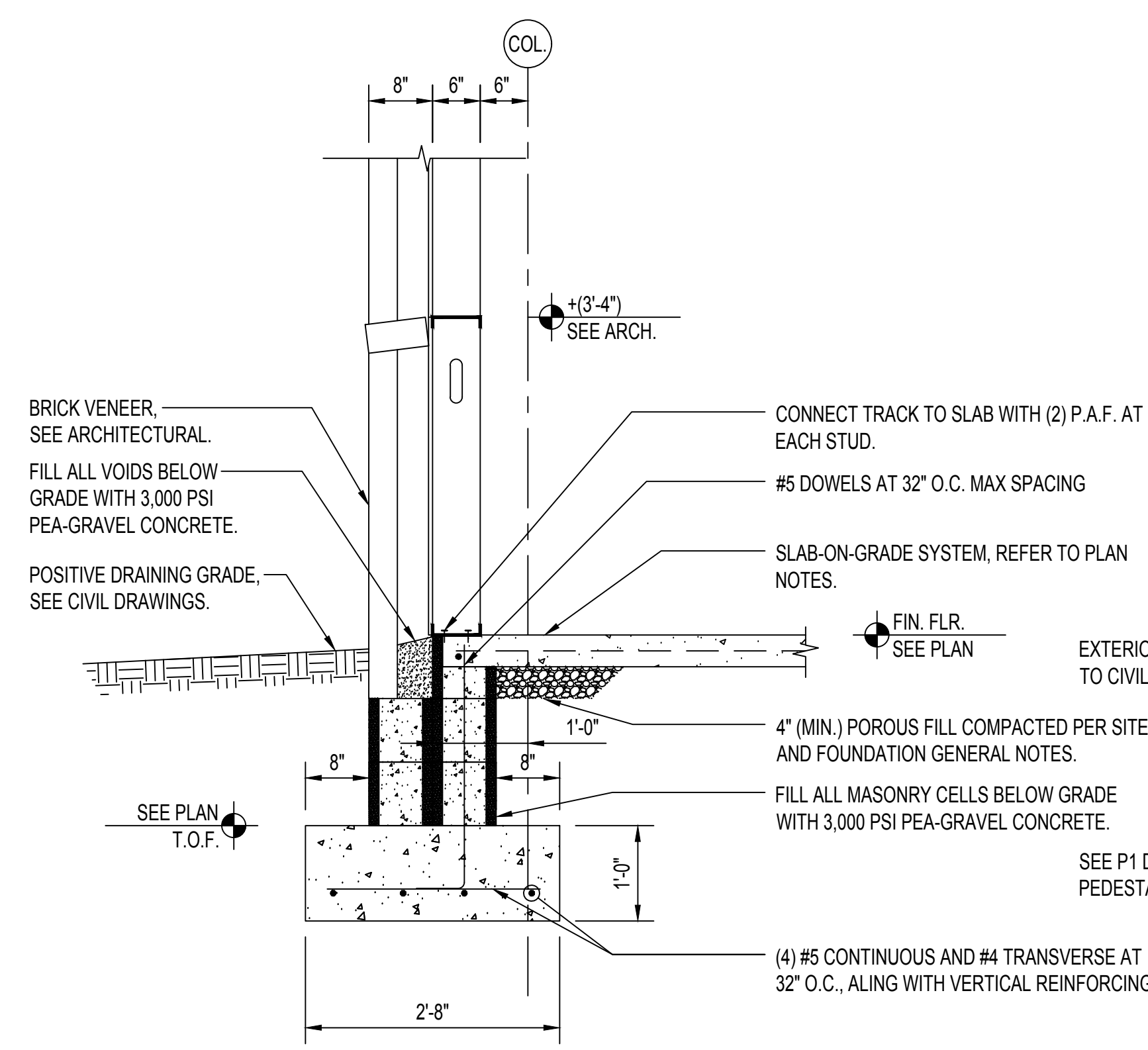
SECTION B
SCALE 3/4" = 1'-0"
TYP. AT METAL PANEL



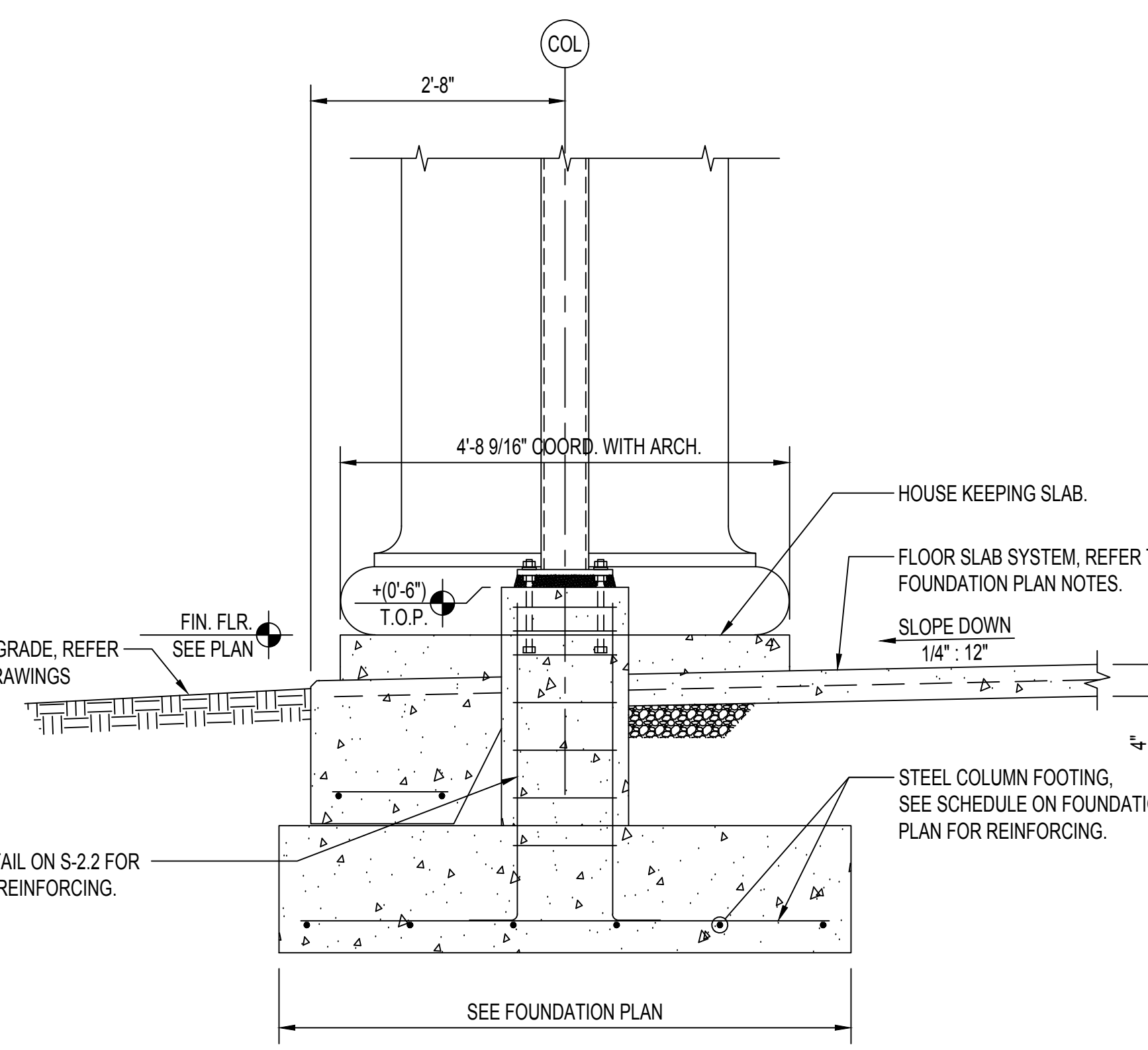
SECTION C
SCALE 3/4" = 1'-0"
TYP. AT BRICK VENEER



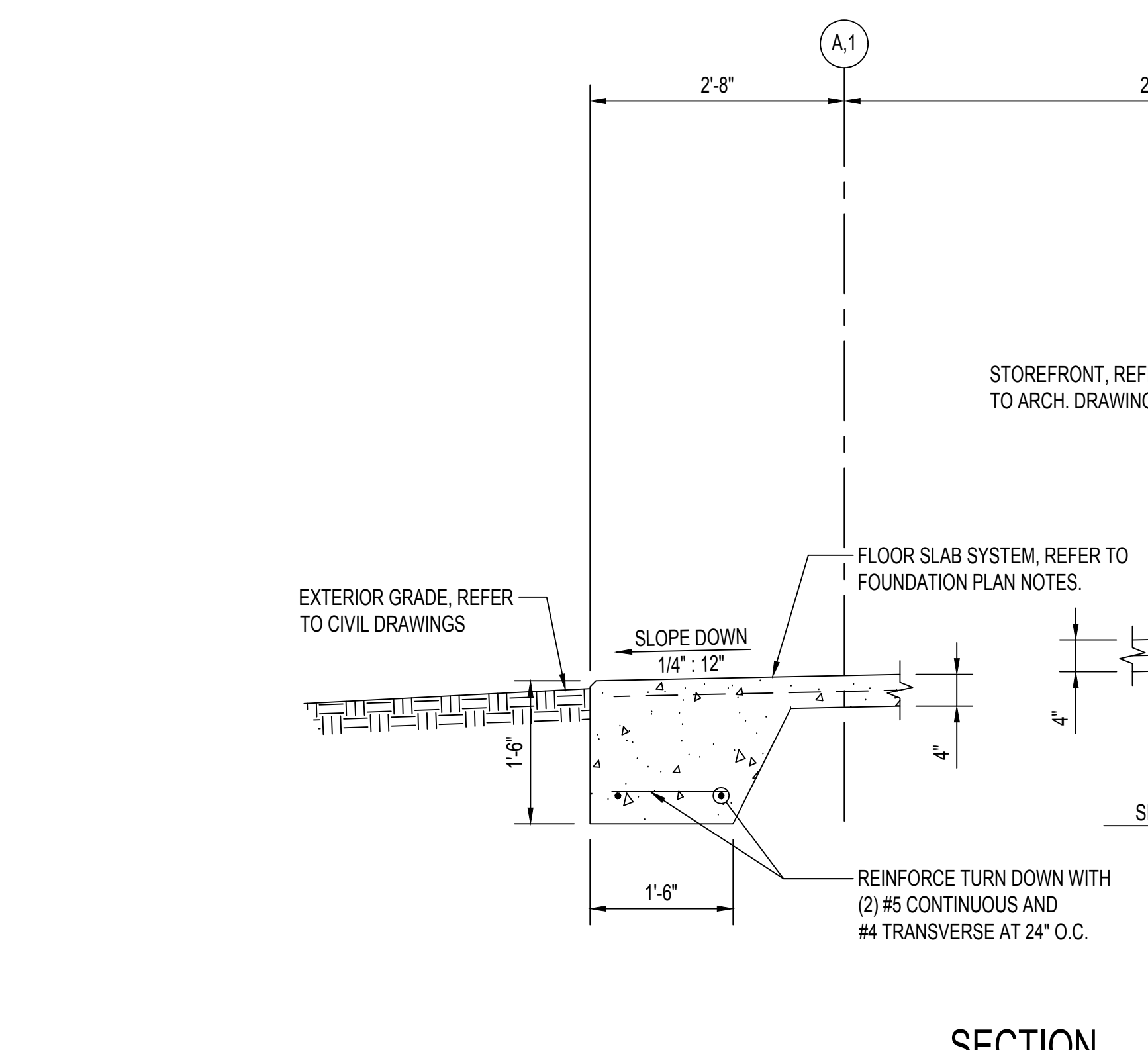
SECTION D
SCALE 3/4" = 1'-0"
TYP. AT STEEL COLUMN



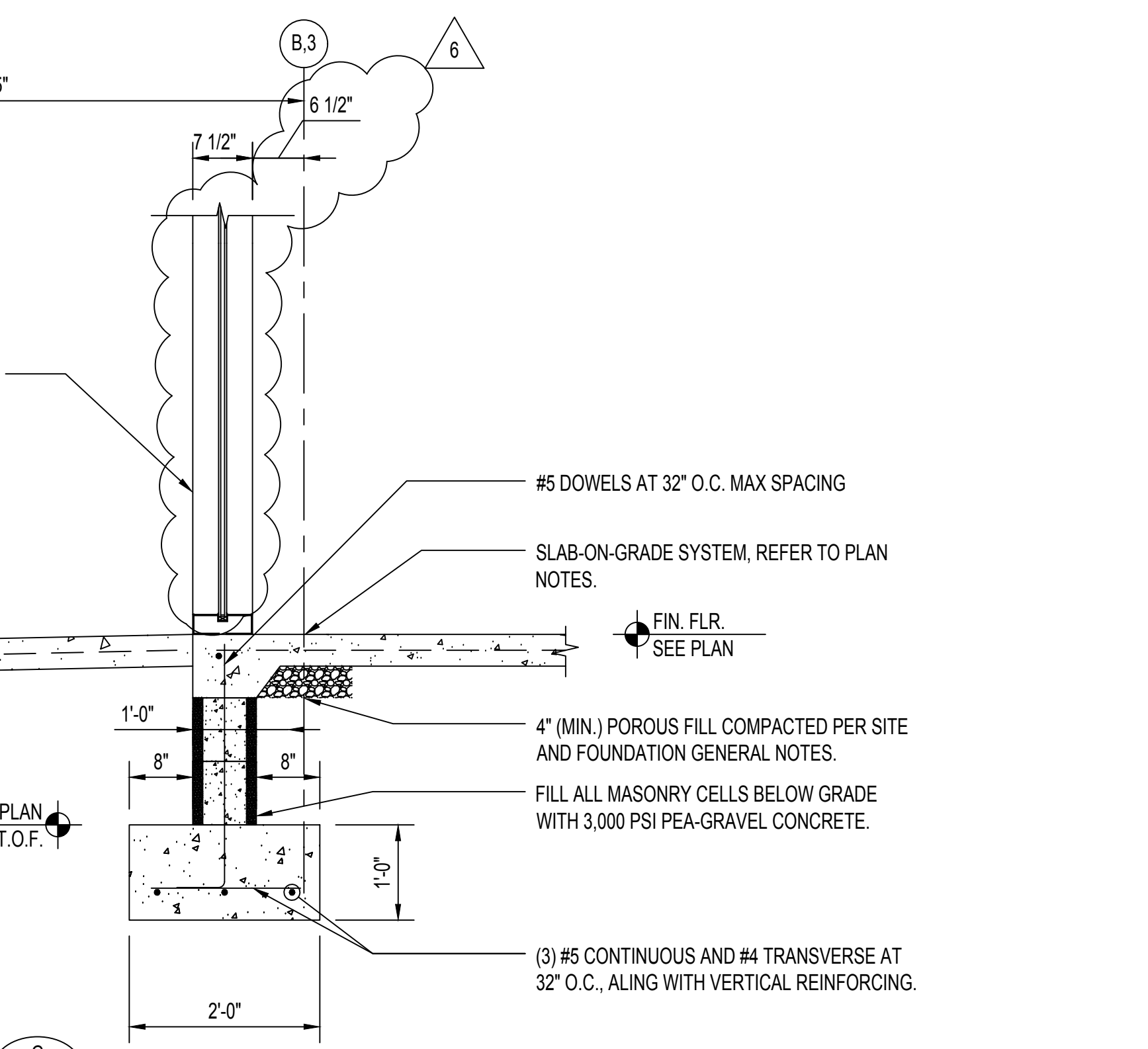
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SCALE 3/4" = 1'-0"
TYP. AT WINDOWS (APPROX. 3'-4" WIDE) IN BRICK



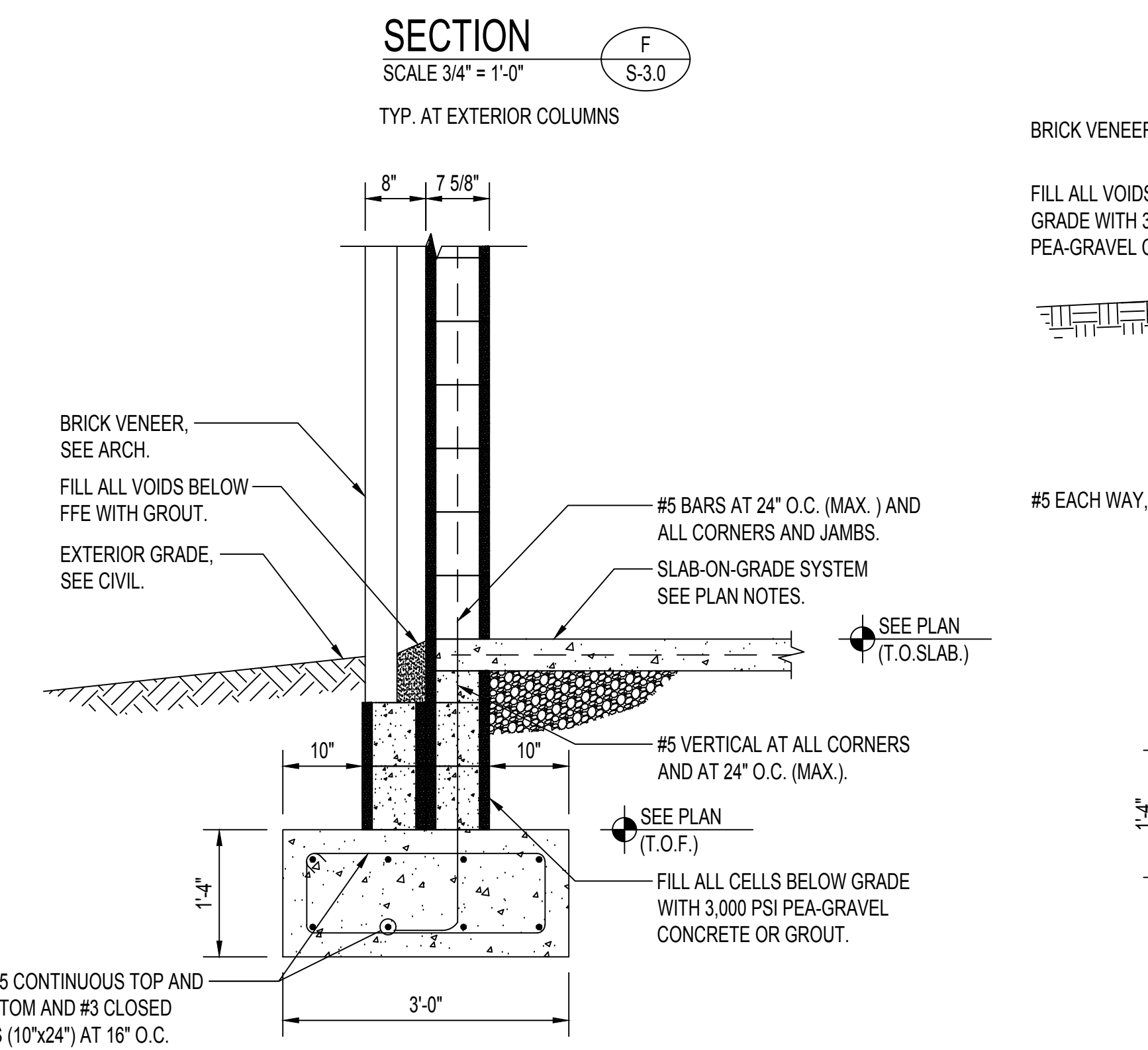
SECTION F
SCALE 3/4" = 1'-0"
TYP. AT EXTERIOR COLUMNS



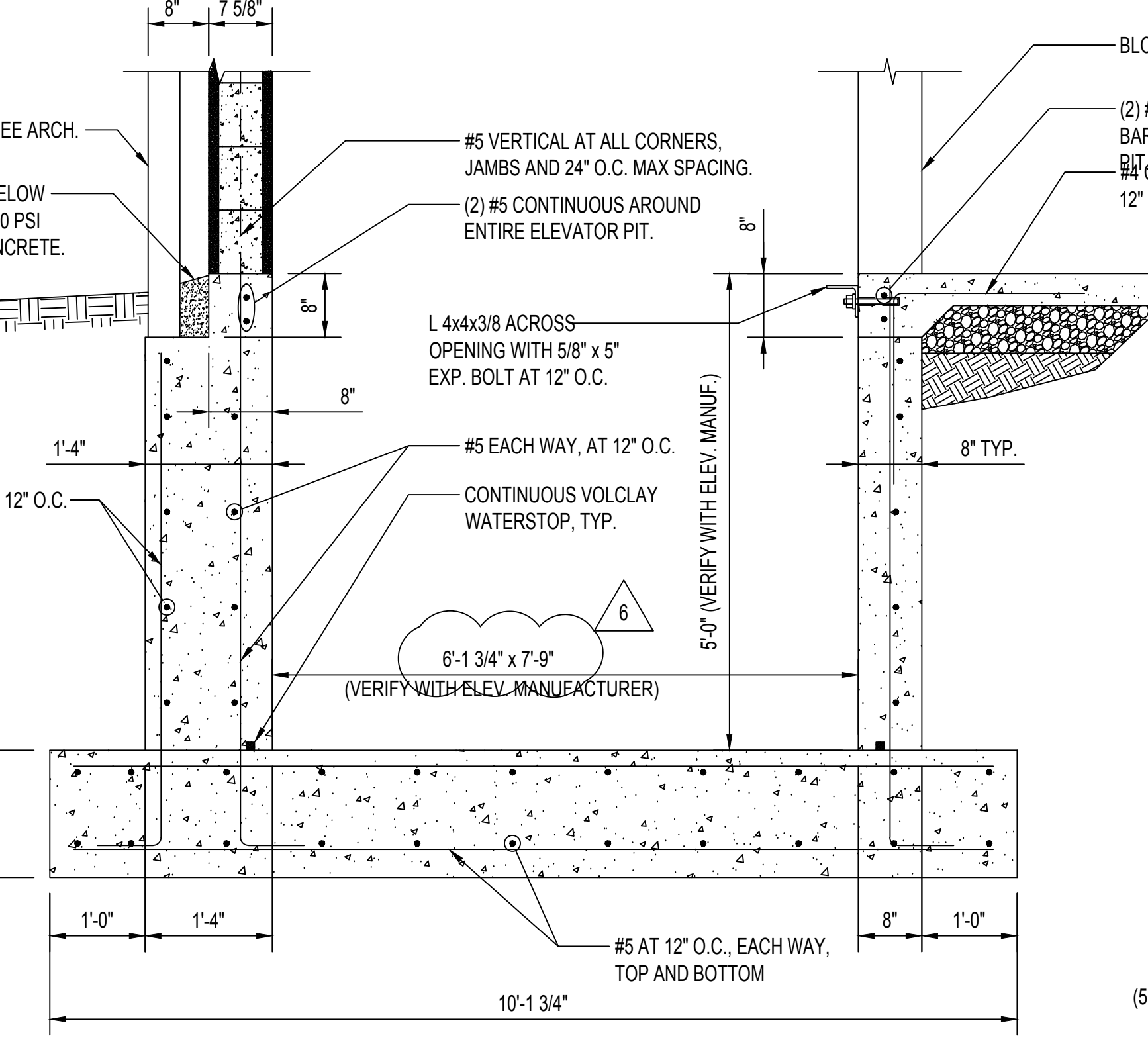
SECTION G
SCALE 3/4" = 1'-0"
S-3.0



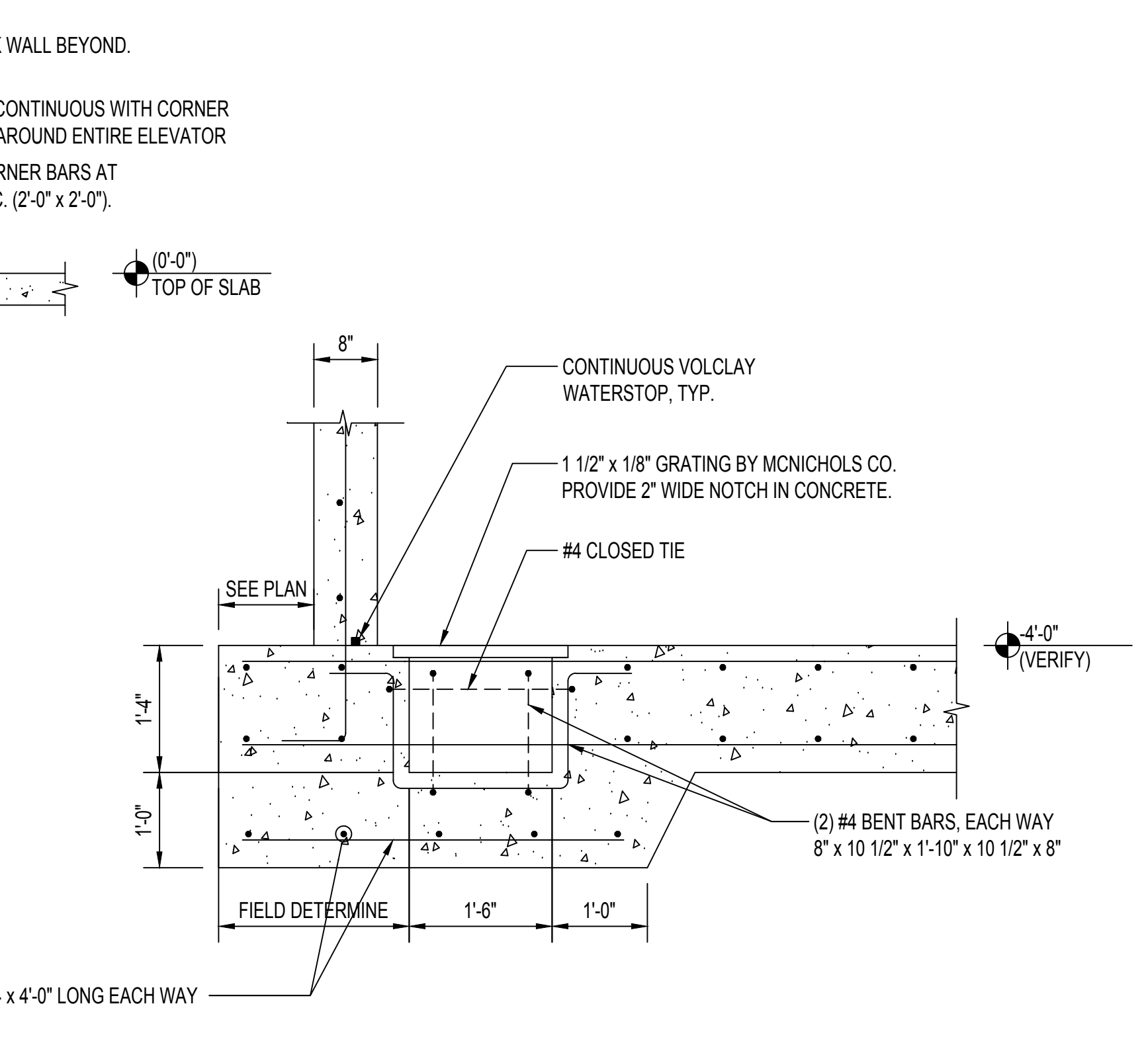
SECTION H
SCALE 3/4" = 1'-0"
TYP. AT EXTERIOR SLAB



SECTION I
SCALE 3/4" = 1'-0"
S-3.0



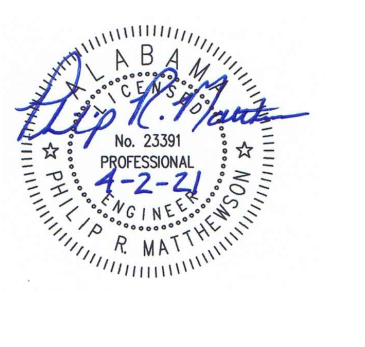
SECTION J
SCALE 3/4" = 1'-0"
ELEVATOR PIT - EXTERIOR WALL



SECTION K
SCALE 3/4" = 1'-0"
S-3.0



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HUNTSVILLE, ALABAMA



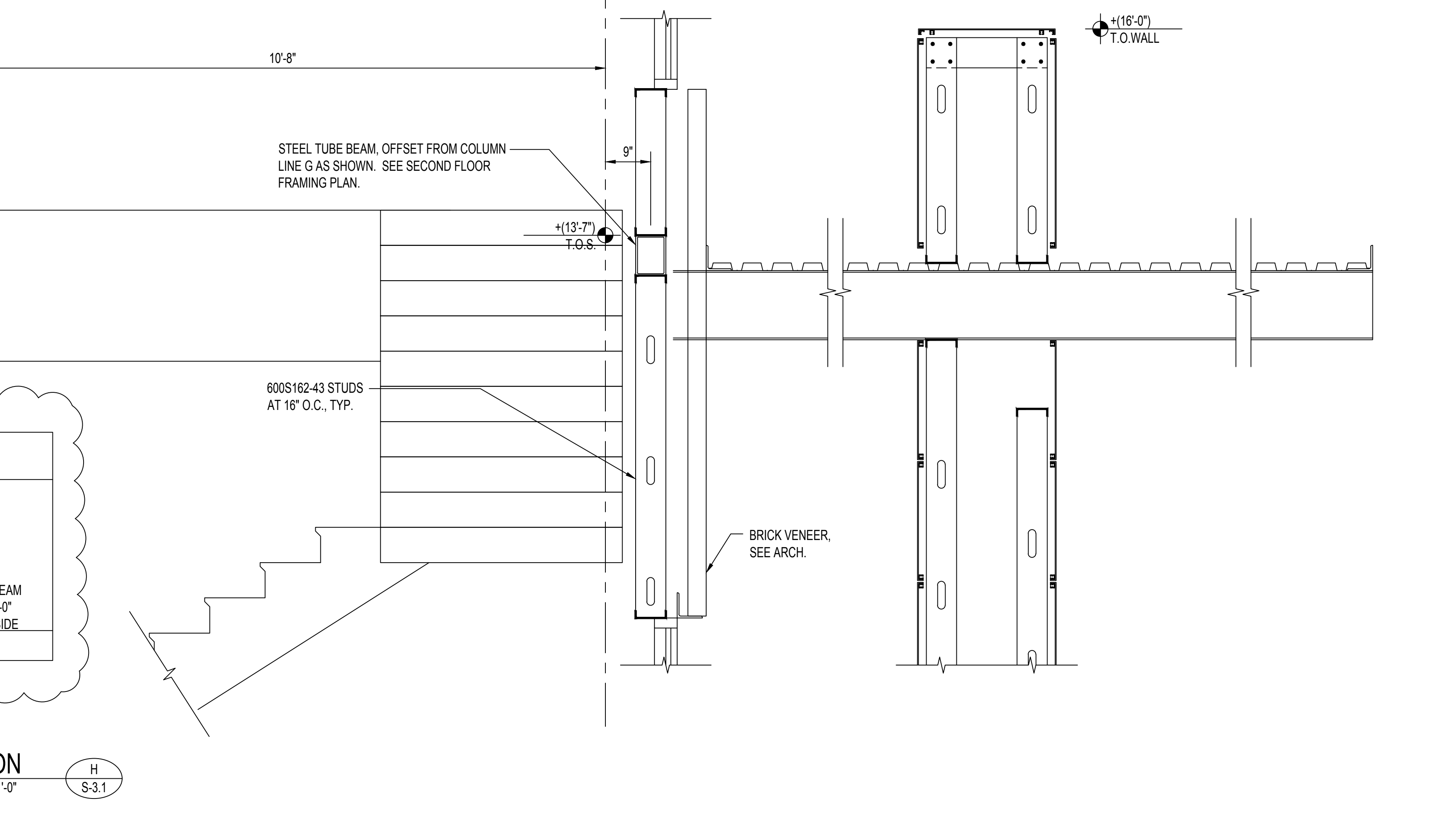
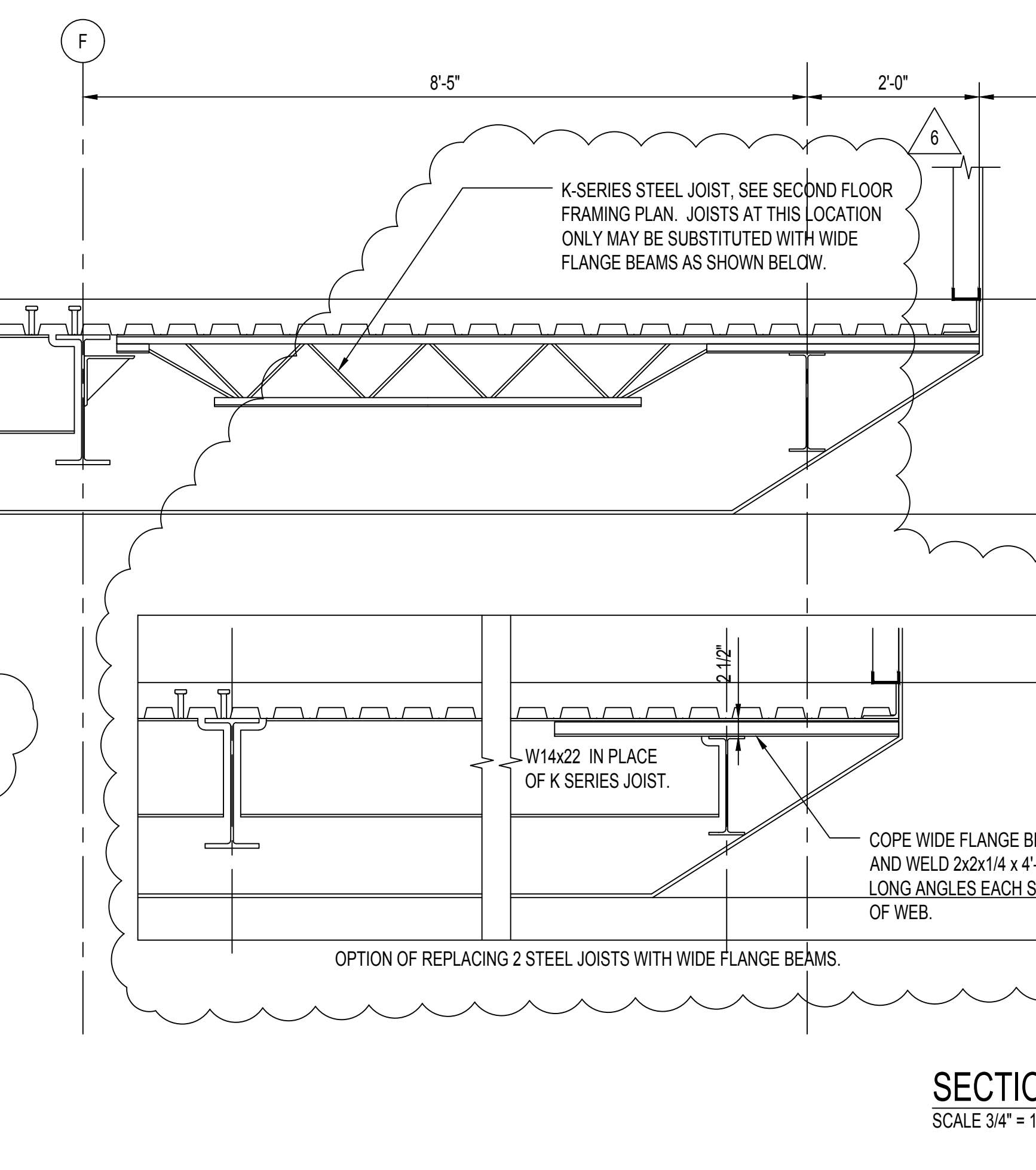
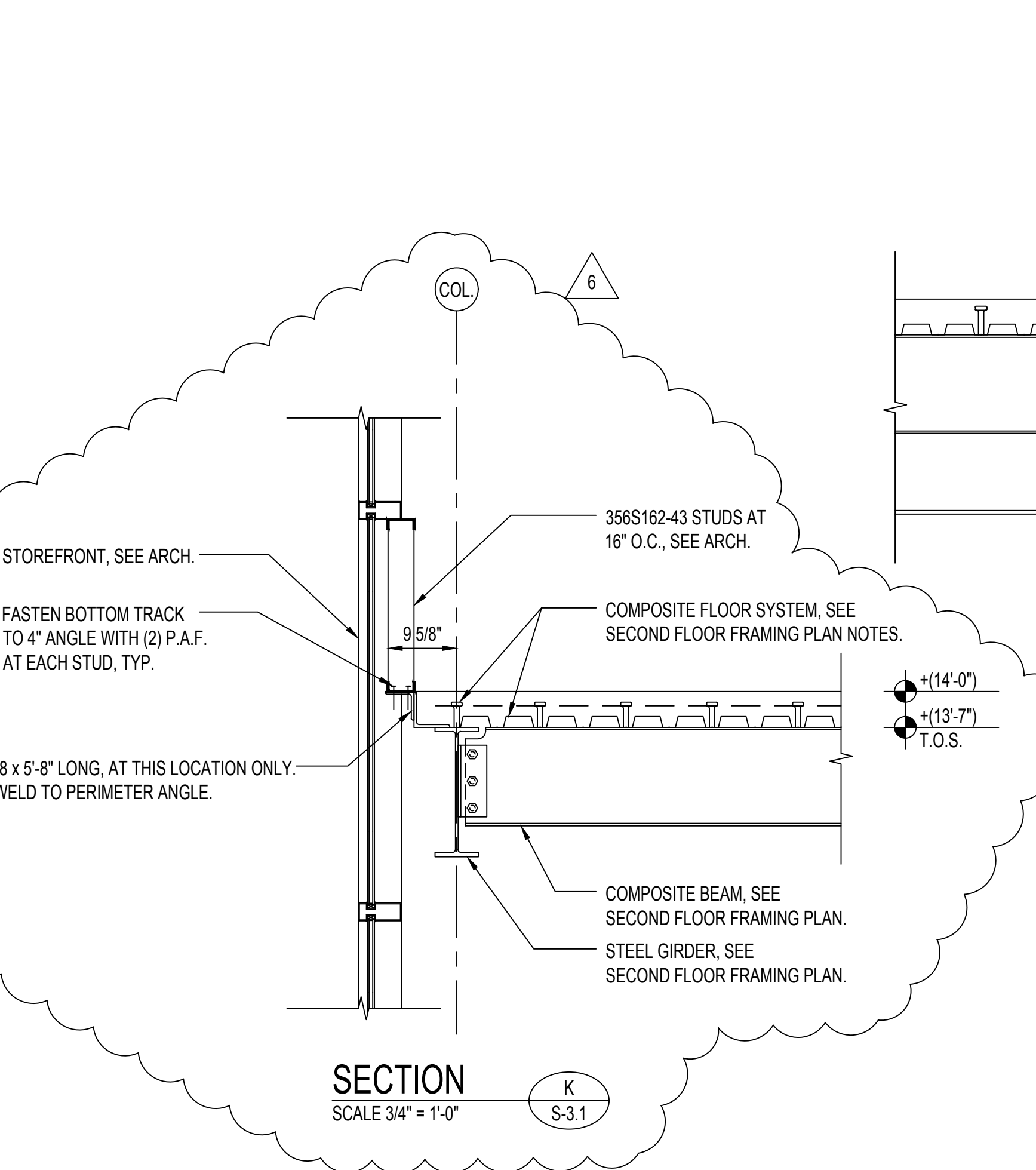
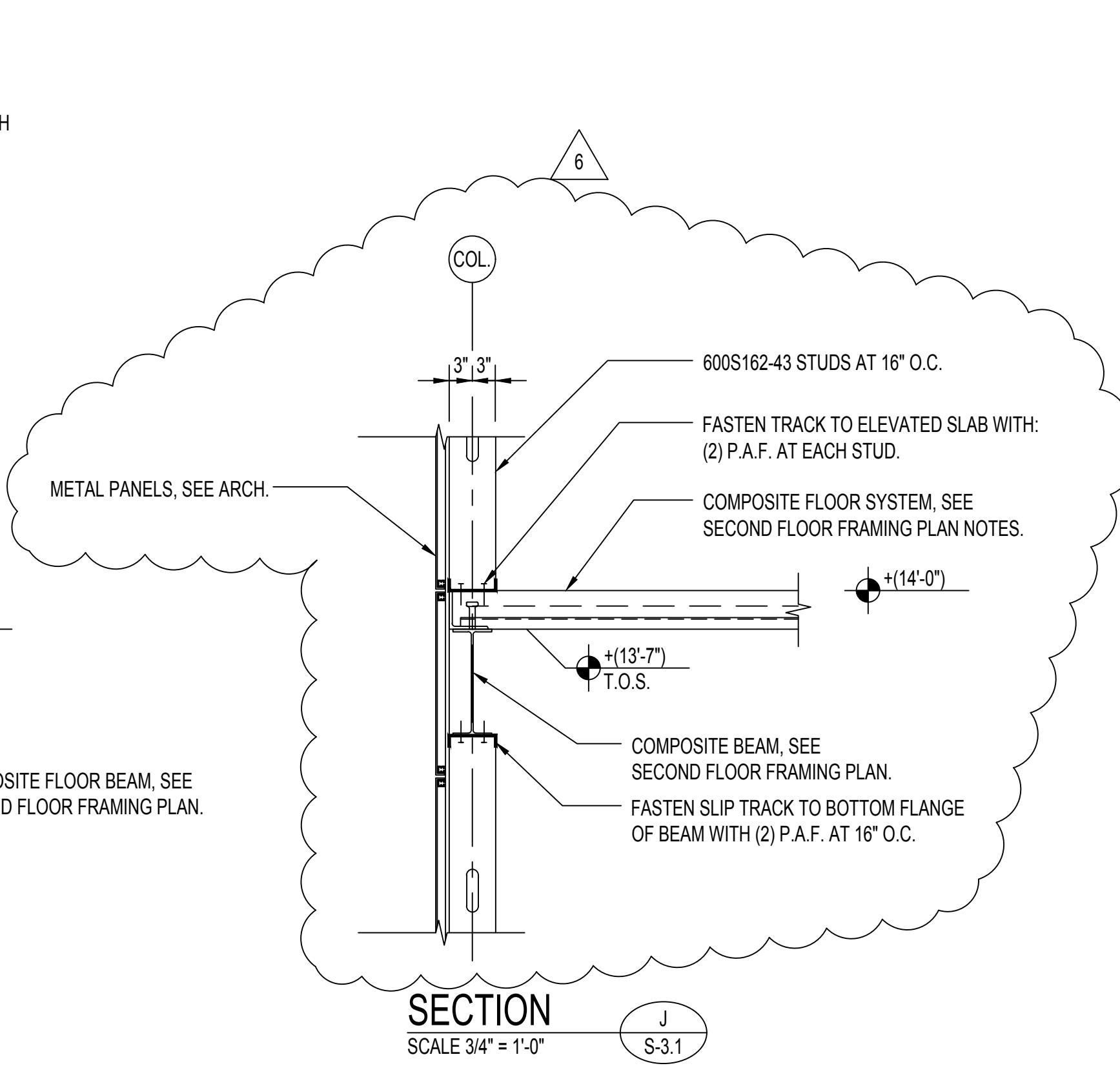
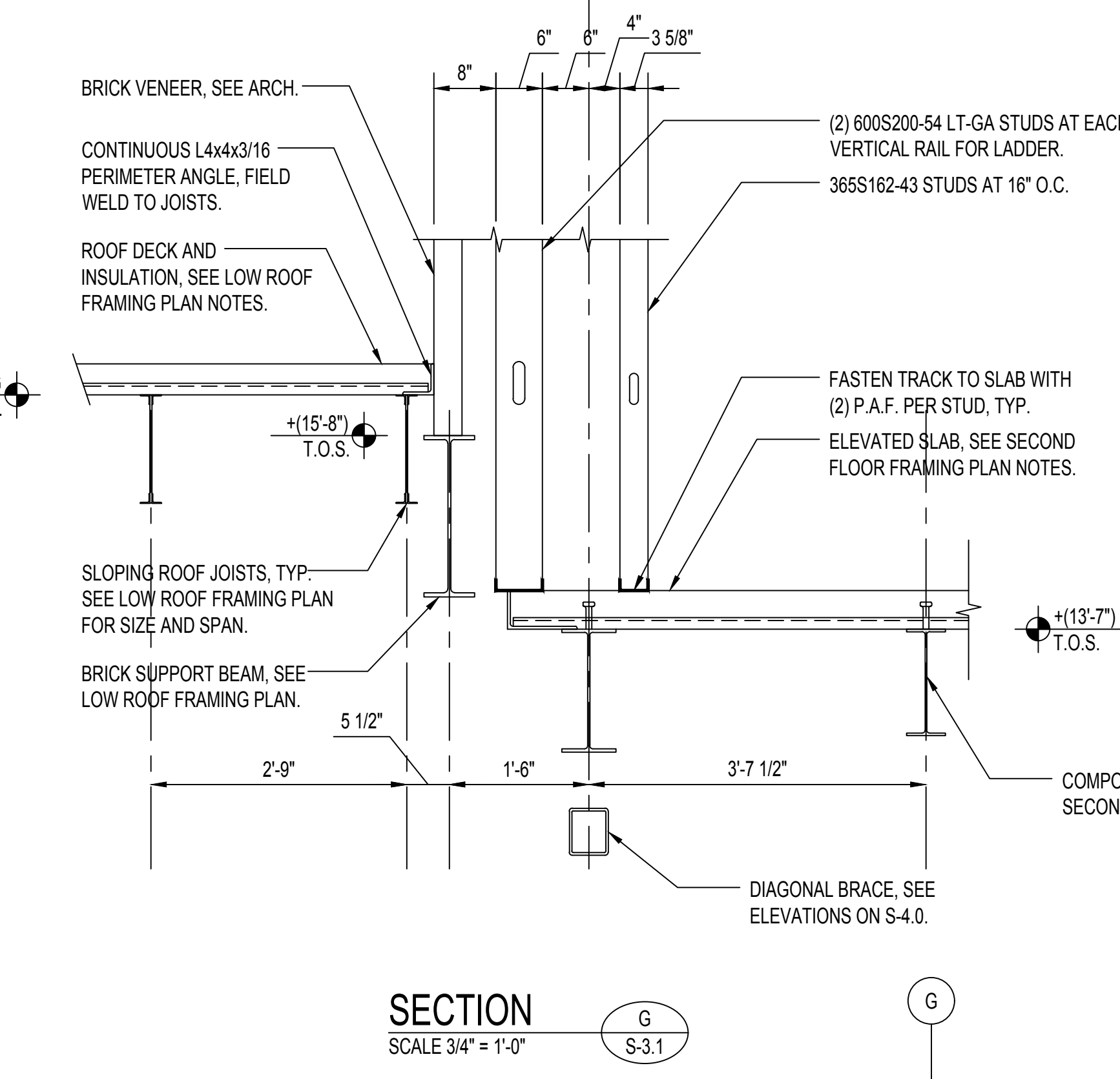
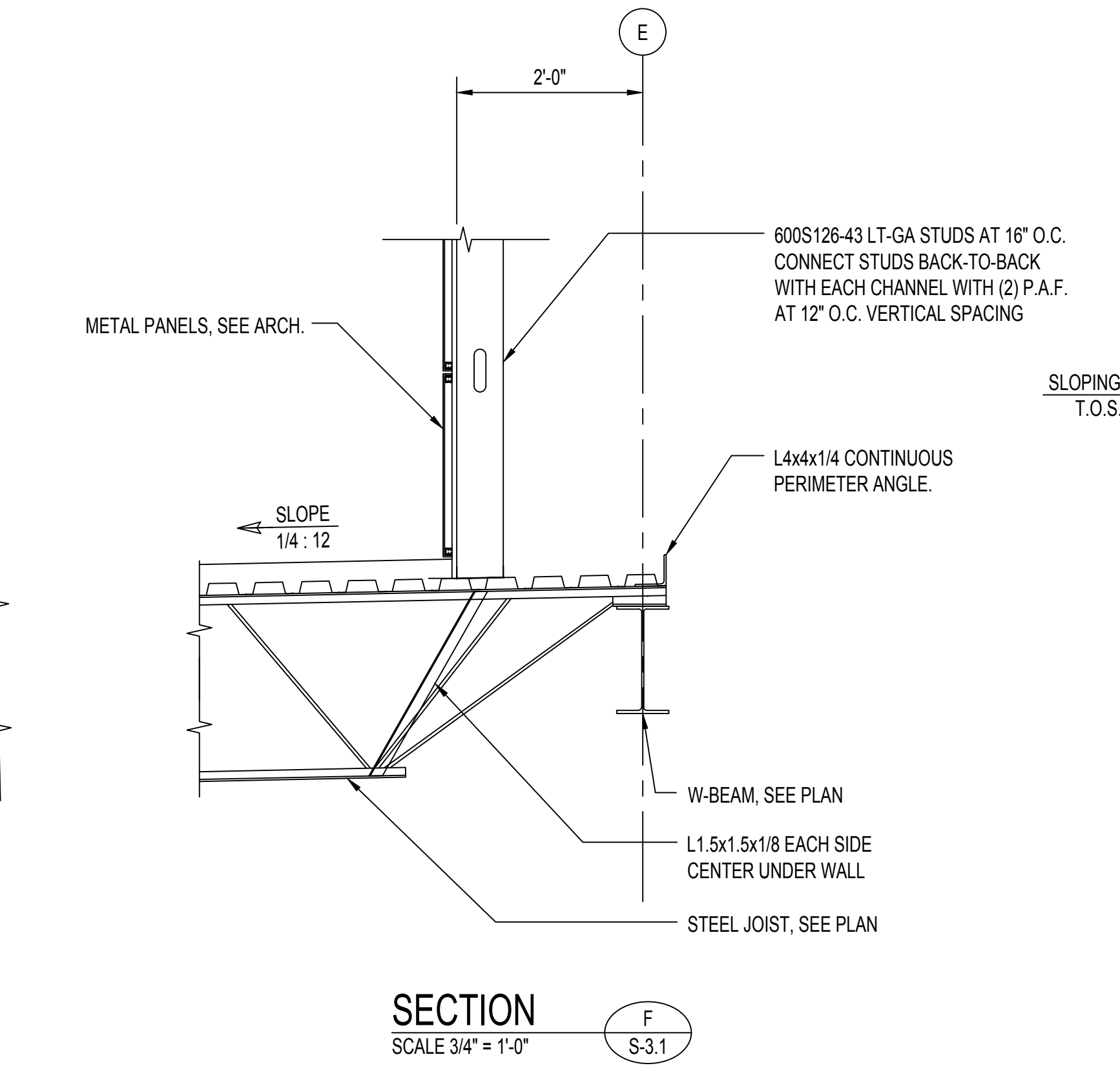
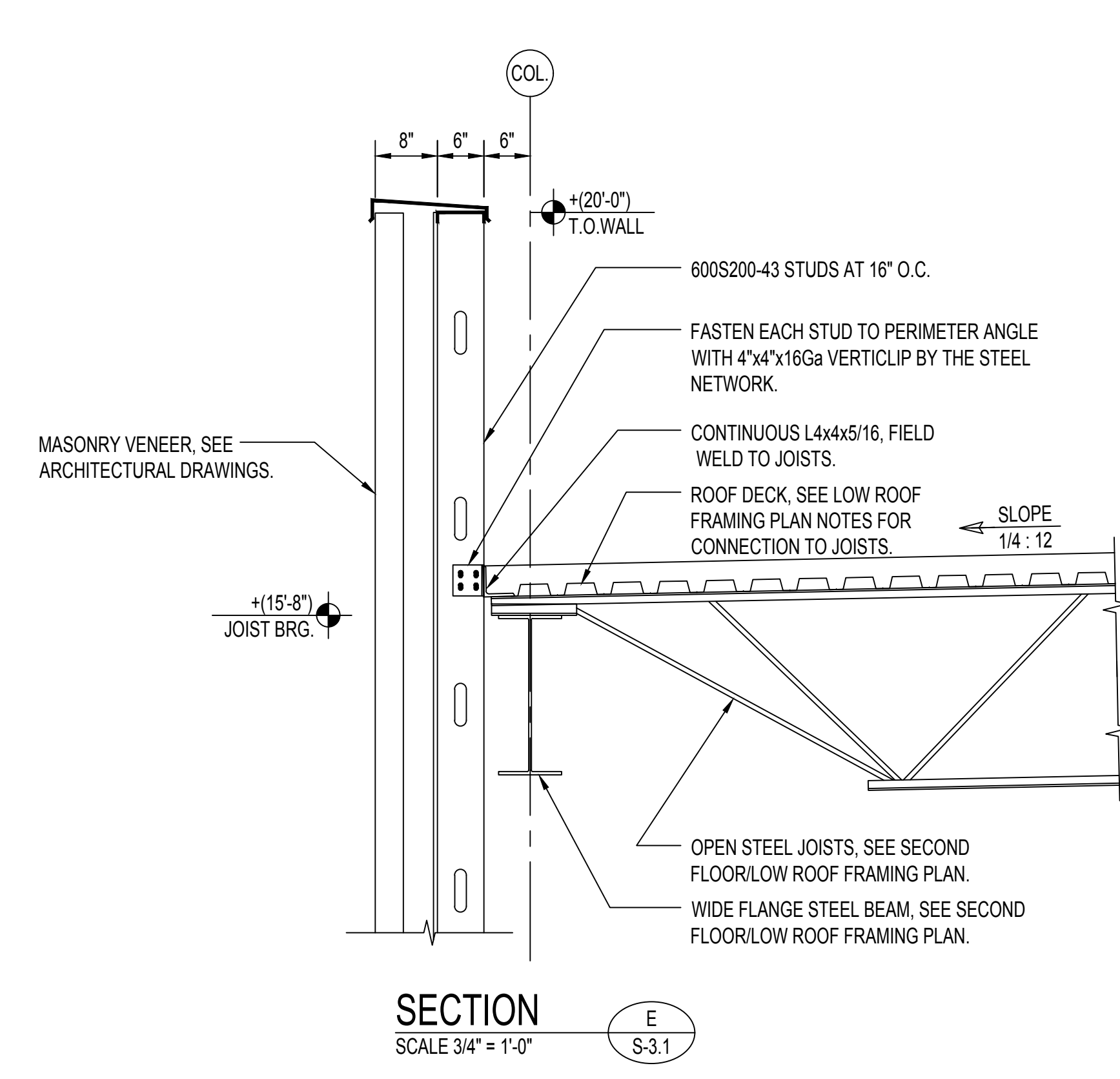
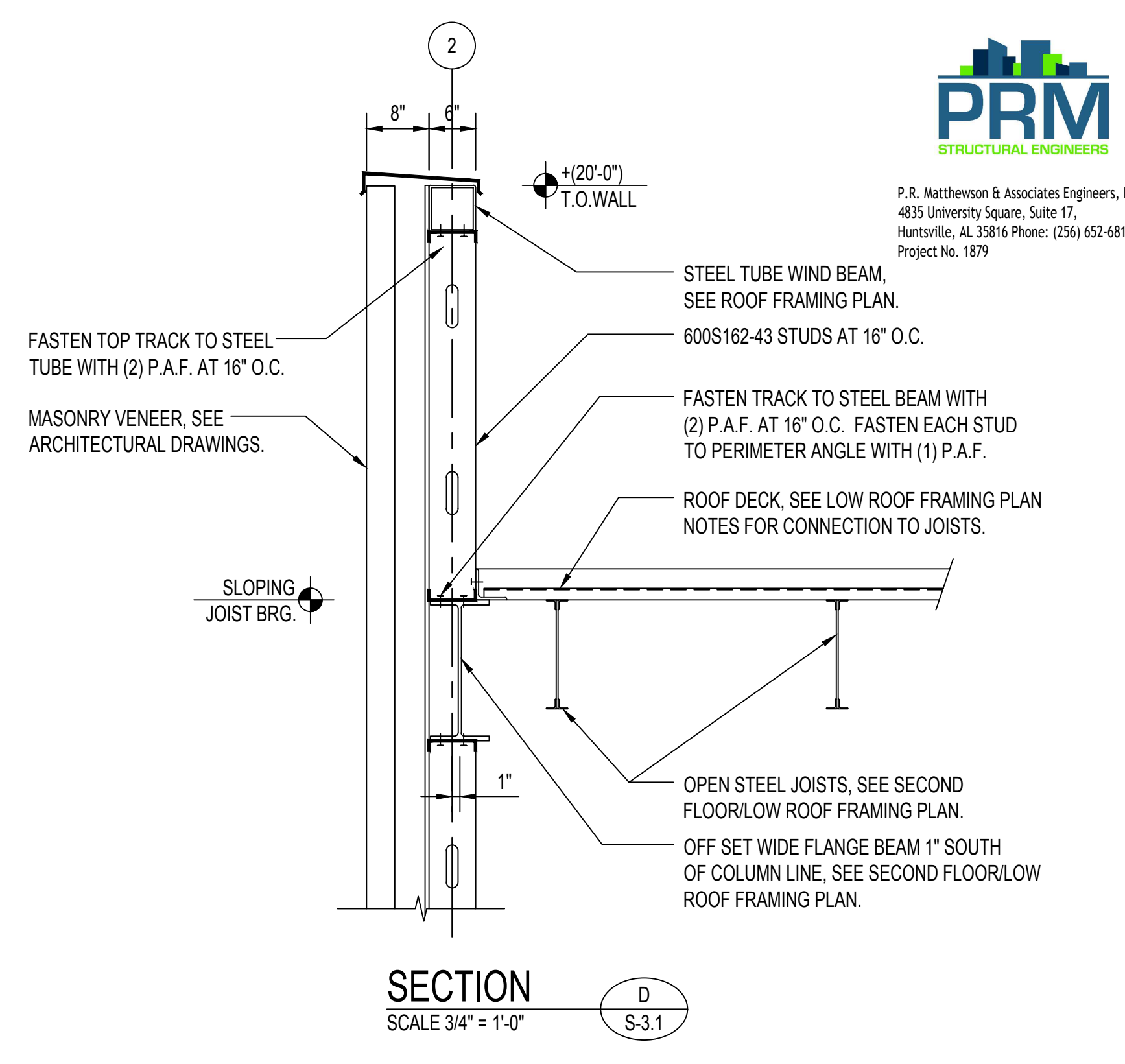
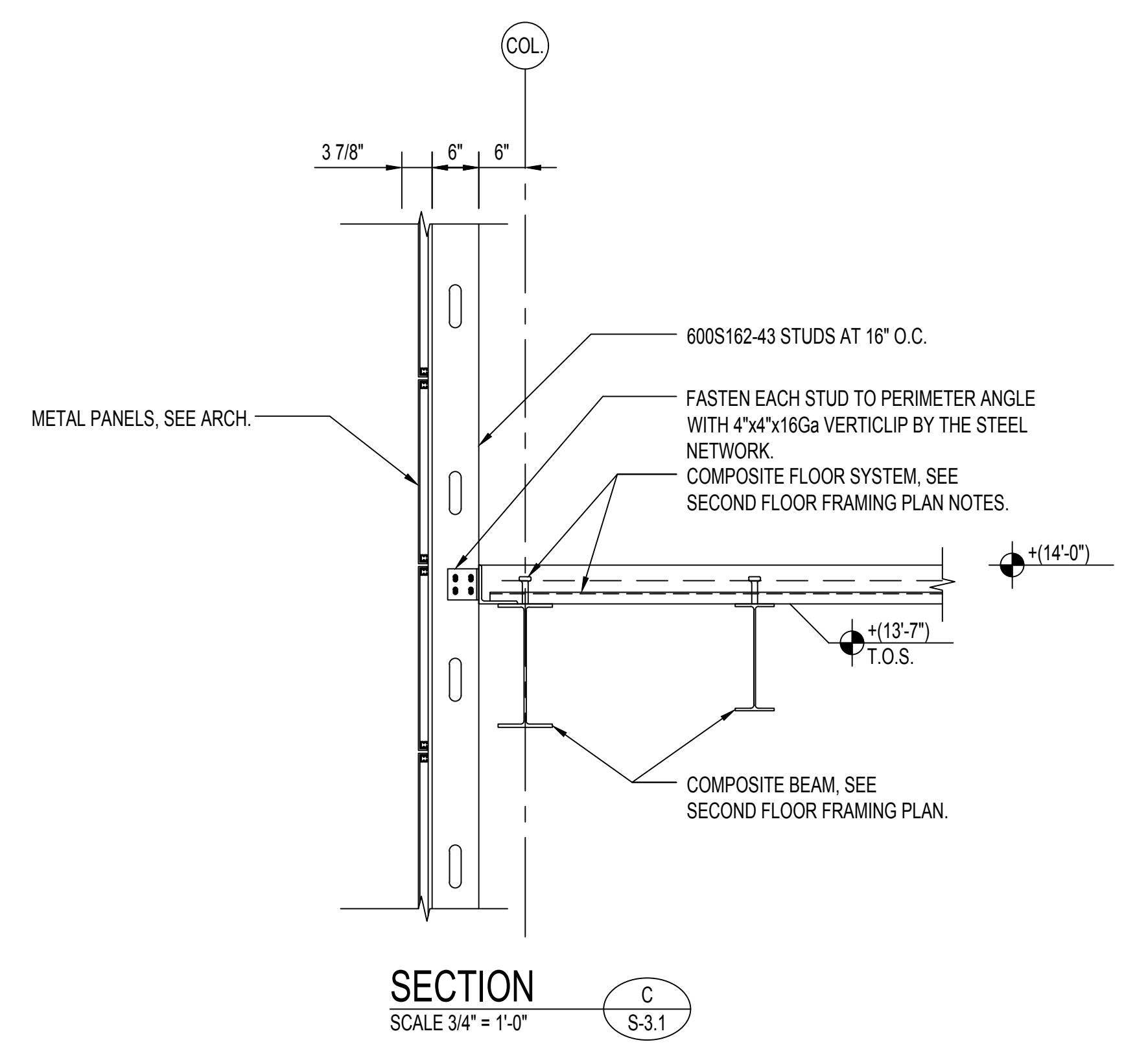
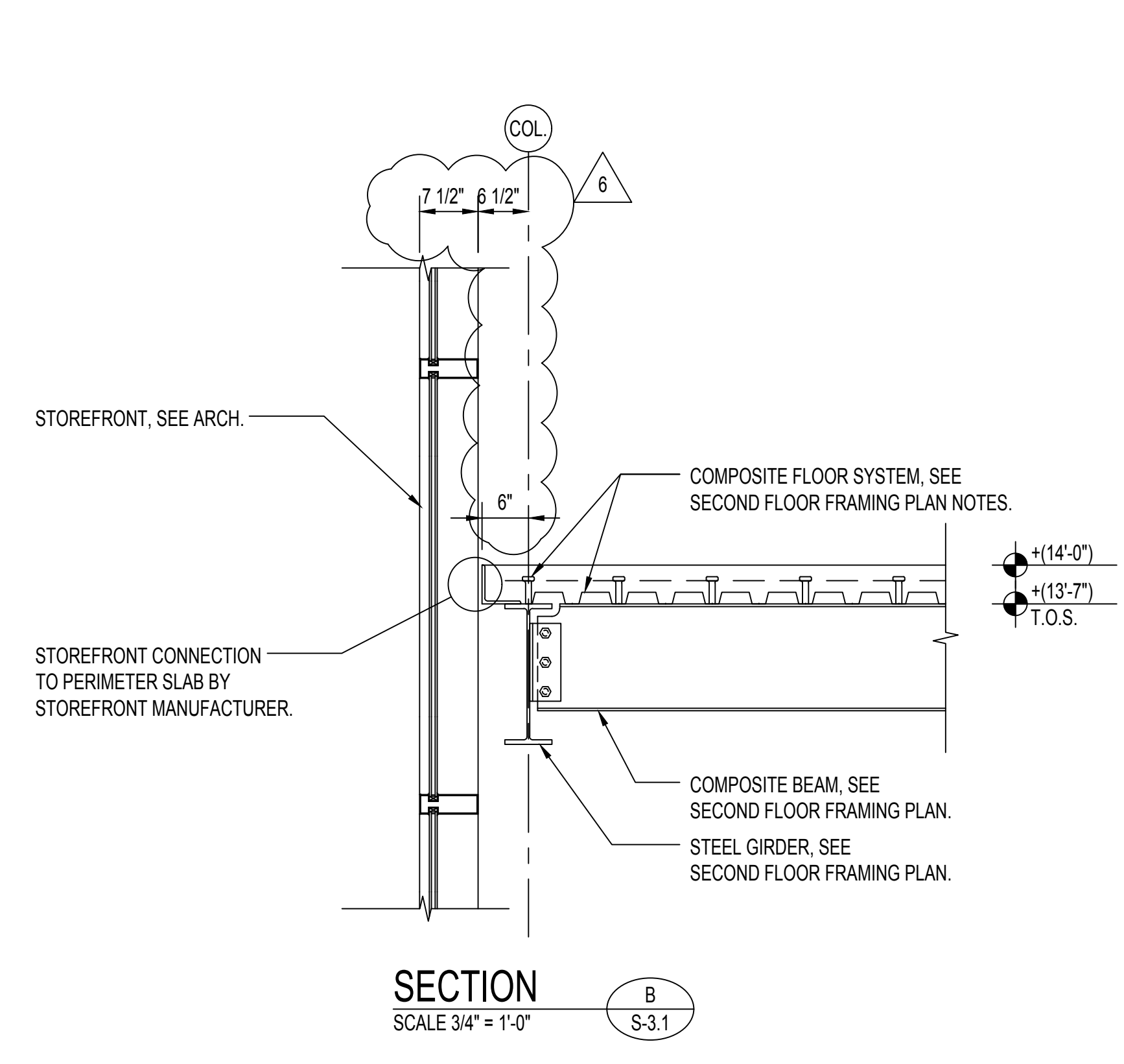
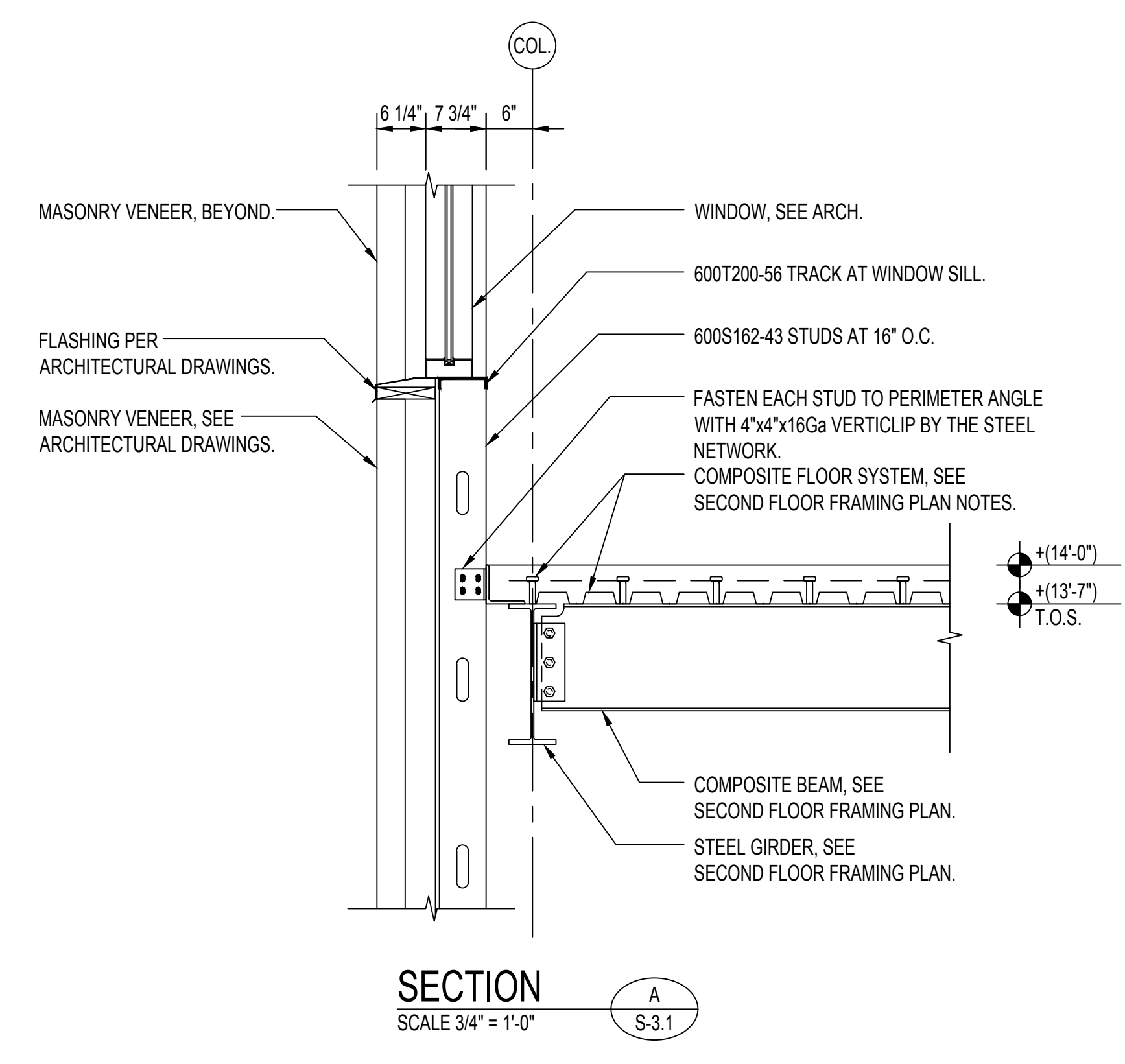
JOB NUMBER
18994

JEK / PRM / 01/25/2021
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REVISIONS	No.	Description	Date
	2	Elevated Slab Com.	2/12/21
	6	Sits	4/2/21

SHEET TITLE
WALL SECTIONS

SHEET NUMBER
S-3.1
OF
16



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ELECTRICAL LEGEND

- LIGHTING
SURFACE OR RECESSED CEILING OUTLET - FIXTURE TYPE 'F'
CEILING OUTLET - FIXTURE SINGLE OR CONTINUOUS LENGTHS
CEILING OUTLET - FIXTURE SINGLE OR CONTINUOUS LENGTHS CONNECTED TO EMERGENCY INVERTER OR INTEGRAL BATTERY.
CEILING OUTLET - FIXTURE SINGLE OR CONTINUOUS LENGTHS CONNECTED TO EMERGENCY INVERTER OR INTEGRAL BATTERY.

- POWER
POWER PANEL - SEE SCHEDULE AND SPECIFICATIONS
RECESSED MOUNTED POWER PANEL - SEE SCHEDULE AND SPECIFICATIONS, PROVIDE 4 EA. 1" EMPTY CONDUIT TO ABOVE CEILING FOR FUTURE USE.
LIGHTING PANEL - SEE SCHEDULE AND SPECIFICATIONS
RECESSED MOUNTED LIGHTING PANEL - SEE SCHEDULE AND SPECIFICATIONS, PROVIDE 4 EA. 1" EMPTY CONDUIT TO ABOVE CEILING FOR FUTURE USE.

- RECEPTACLES
DUPLEX RECEPTACLE, NEMA 5-20R, SEE SPECIFICATIONS.
DUPLEX RECEPTACLE, NEMA 5-20R, SEE SPECIFICATIONS. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS.
DUPLEX RECEPTACLE, NEMA 5-20R, GROUND FAULT INTERRUPTER, WEATHERPROOF. (IN USE TYPE WHERE REQUIRED.)
DUPLEX RECEPTACLE, 15A, 125V, 2 POLE, 3W, NEMA 5-15R, WITH TWO USB CHARGING PORTS, HUBBELL APPROX.
DUPLEX RECEPTACLE, WEATHER-RESISTANT, 15A, 125V, 2 POLE, 3W, NEMA 5-15R, WITH TWO USB CHARGING PORTS AND WEATHER-PROOF IN-USE COVER.

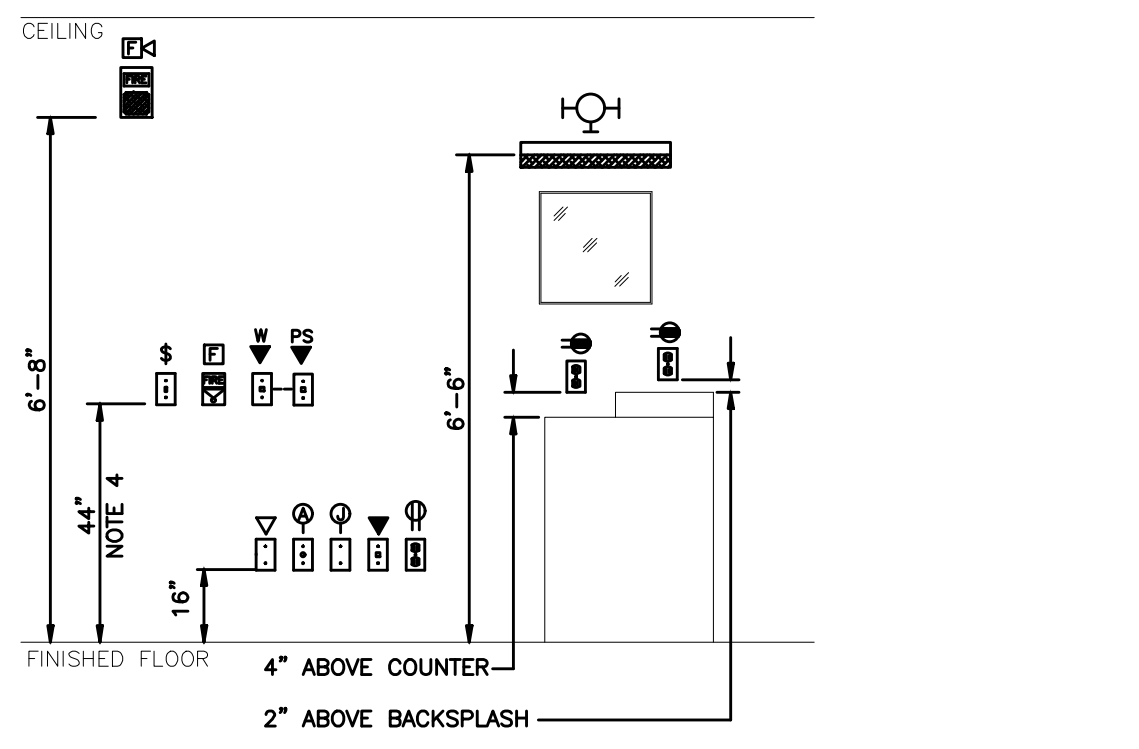
- AUXILIARY LEGEND
DATA DROP - SEE AUXILIARY OUTLET DETAIL - 16" ABOVE FINISHED FLOOR
DATA DROP - SEE AUXILIARY OUTLET DETAIL - ABOVE COUNTER OR OTHER DESIGNATED HEIGHT (HEIGHT TO BE NOTED AT DEVICE)
WAP DROP - SEE AUXILIARY OUTLET DETAIL
TV DROP - SEE AUXILIARY OUTLET DETAIL
EMPTY BOX FOR FUTURE USE - 1 EACH 1" TO ABOVE ACCESSIBLE CEILING

- SECURITY
CARD READER - SEE SPECIFICATIONS AND DETAILS. CONNECT TO ACCESS CONTROL SYSTEM AS REQUIRED
DOOR MONITOR / DOOR POSITION SWITCH - SEE SPECIFICATIONS AND DETAILS. CONNECT TO ACCESS CONTROL SYSTEM AS REQUIRED
VIDEO SURVEILLANCE CAMERA - SEE DETAILS
VIDEO SURVEILLANCE CAMERA - SEE DETAILS

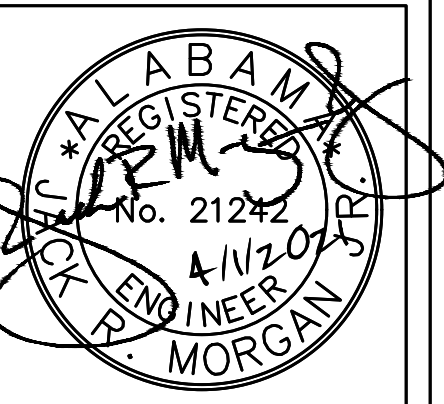
- FLOOR BOXES
FLOOR OUTLET - (POKE-THRU) - WIREMOLD (R404TC) SERIES POKE-THRU ASSEMBLY FOR POWER AND DATA CONNECTIONS, COMPLETE WITH 2 EACH FACTORY PREWIRED 20A DUPLEX RECEPTACLES (CONTROLLED DUPLEX RECEPTACLE, NEMA 5-20R WITH SINGLE PLATE, RECEPTACLE TO BE PERMANENTLY MARKED BY FACTORY (CONTROLLED), RECEPTACLE TO BE CONTROLLED BY BAS VIA TIME OF DAY SCHEDULING, CONTROL DEVICE TO COMPLY WITH ASHRAE 90.1, 2013, RECEPTACLE HALF SWITCHED.)
RECEPTACLE OF TRANSMITTER - LEGRAND #RRC-TV WITH POWER PAK AND OCCUPANCY SENSOR. COORDINATE WITH MANUFACTURER COVERAGE OF OCCUPANCY SENSORS AND PROVIDE AMOUNT PER MANUFACTURER SPECIFICATIONS. ALL NEW 120V, 20A, DUPLEX RECEPTACLES TO BE RF CONTROLLED PLUG-LOAD RECEPTACLES (WIREMOLD RECEPTACLE) COMPLETE WITH PLUG-LOAD SIGNAL PACKS (ONE PER EACH ROOM WITH CONTROLLED RECEPTACLES).

- RECEPTACLE CONTROL NARRATIVE
ALL OUTLETS/DEVICES MARKED WITH AN 'S' TO BE SWITCHED BY AN OCCUPANCY SENSOR PER (ASHRAE 90.1 2013, CHAPTER 8 SECTIONS 8.4.2), COORDINATE WITH THE AAI FOR THE PROGRAM SCHEDULE FOR CONTROLLED AREAS. PROVIDE MANUAL OVERRIDE FOR ALL OUTLETS/DEVICES PER A MAXIMUM OF 5,000 SQ FT. AND TO STAY ON FOR UP TO 2 HOURS MAXIMUM FOR ALL CONTROLLED AREAS. SEE PLANS AND LEGEND FOR MANUAL OVERRIDE DEVICE AND LOCATIONS.

- FIRE ALARM SYSTEM LEGEND
LOW-VOLTAGE RAISE LOWER STOP SWITCH FOR MOTORIZED PROJECTOR SCREEN CONTROL MOUNT SWITCH IN FLUSH BOX AND CONNECT TO MOTORIZED SCREEN - SEE PLANS AND DETAILS
AUDIO VIDEO INPUT LOCATION. SEE PLANS, DETAILS AND SPECIFICATIONS. PROVIDE TWO (2) EACH 1" TO ABOVE ACCESSIBLE CEILING WITH CABLING AS REQUIRED FOR AUDIO VIDEO (4K) CONNECTIONS TO AV SWITCHER. AV INPUT LOCATION TO BE SELECTABLE FROM WALL TOUCH PANEL. AV OUTPUT LOCATION (PROJECTOR AND/ OR WALL DISPLAY) TO BE SELECTABLE FROM WALL TOUCH PANEL.
INTERACTIVE TOUCH PANEL MOUNTED ON WALL. SEE PLANS, DETAILS AND SPECIFICATIONS
AUDIO/ VIDEO SYSTEM RACK. SEE PLANS, DETAILS AND SPECIFICATIONS
AV SYSTEM VACANCY SENSOR. SEE PLANS, DETAILS AND SPECIFICATIONS
ROOM CONTROLLER AND SCALER MOUNTED ABOVE CEILING NEAR PROJECTOR. SEE PLANS, DETAILS AND SPECIFICATIONS
CEILING MOUNT PROJECTOR WITH CEILING PLATE, ARM AND PROJECTOR MOUNT. PROJECTOR SHALL BE PANASONIC# PT-RZ770WJ. SEE PLANS, DETAILS AND SPECIFICATIONS. OPTIMUM THROW DISTANCE IS 23'-1", THROW RANGE IS 11'-4" TO 69'-7". SEE ARCHITECTURAL PLAN FOR SCREEN MOUNTING LOCATION. PROJECTOR SHALL BE MOUNTED AS NEAR TO THE OPTIMAL THROW RANGE, FROM THE SCREEN, AS POSSIBLE. PROVIDE TWO (2) EACH 1" TO ABOVE ACCESSIBLE CEILING WITH CABLING AS REQUIRED FOR AUDIO VIDEO (4K) CONNECTIONS TO AV SWITCHER. AV INPUT LOCATION TO BE SELECTABLE FROM WALL TOUCH PANEL. AV OUTPUT LOCATION (PROJECTOR AND/ OR WALL DISPLAY) TO BE SELECTABLE FROM WALL TOUCH PANEL.



- TYPICAL MOUNTING HEIGHTS
NOT TO SCALE
NOTES:
1. INDICATED MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO BOTTOM OF OUTLET BOX, UNLESS OTHERWISE NOTED.
2. REFER TO ARCHITECTURAL DETAILS FOR ADDITIONAL REQUIREMENTS.
3. INSTALL OUTLETS THAT ARE IN CLOSE PROXIMITY ON THE SAME CENTERLINE.
4. INDICATED DEVICES MOUNTED IN A BLOCK WALL SHALL BE 4'-0" TO TOP OF COVER PLATE.



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JOB NUMBER
18994
JRM / JRM 1/25/2021
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Table with 3 columns: No., Description, Date.
1. ADDENDUM#2 2/12/21
2. ADDENDUM#3 3/19/21
3. ADDENDUM#6 4/1/21

SHEET TITLE
ELECTRICAL LEGEND

SHEET NUMBER
E-1.0
OF

FIRE ALARM LEGEND

- FACP FIRE ALARM CONTROL PANEL - EDWARDS MODEL V52 SERIES INTELLIGENT ADDRESSABLE ANALOG FIRE DETECTION CONTROL PANEL WITH STAND-BY BATTERY MOUNTED AT 5'-0" TO CENTERLINE
FURNISH AND INSTALL INTEGRAL VOICE EVACUATION
PROVIDE FACTORY INSTALLED BATTERY BACKUP AND FACTORY INSTALLED SURGE SUPPRESSION DEVICE IN FACP.
CONTRACTOR SHALL PROVIDE COMPLETE, INDEPENDENT SEA, CATSE TELEPHONE LINE FROM AUXILIARY BACKBOARD/ MDF; BB1 TO FIRE ALARM CONTROL PANEL. CATSE SHALL BE ROUTED IN 3/4" EMT CONDUIT FROM POINT "A" TO POINT "B" AND TERMINATED AS REQUIRED BY FIRE ALARM TECHNICIAN.
FURNISH AND INSTALL INTEGRAL WEB SERVER ACCESS CARD.
FURNISH AND INSTALL POINT ID CELLULAR DIALER FOR PRIMARY AND BACK-UP AT FACP.
REMOTE FIRE ALARM ANNUNCIATOR PANEL - EDWARDS MODEL K-RLCD-C IN FLUSH MOUNTED SERIES BOX. PROVIDE REMOTE MICROPHONE ADJACENT TO ANNUNCIATOR IN SAME FLUSH MOUNTED BOX.
REMOTE FIRE ALARM NAC PANEL - EDWARDS MODEL AFS1DA SURFACE MOUNTED AT LOCATIONS SHOWN IN FACTORY BOX. SEE PLANS FOR O.K.T.#
MANUAL PULL STATION - EDWARDS MODEL E85001-0279 W/ FLUSH MOUNTED BACKBOX (4" SQUARE BOX WITH SINGLE GANG RAISED COVER) MOUNTED 4" + 4" A.F.F. TO BOTTOM.
FIRE ALARM STROBE - EDWARDS MODEL GCF-VM - CEILING MOUNTED ON FLUSH 4" SQUARE BOX WITH 1-1/2" EXTENSION RING
FIRE ALARM SPEAKER STROBE - EDWARDS MODEL GCF-52VM - CEILING MOUNTED ON FLUSH 4" SQUARE BOX WITH 1-1/2" EXTENSION RING
WEATHERPROOF FIRE ALARM HORN STROBE - EDWARDS MODEL 4W6WF-SVMC - WALL MOUNTED ON FLUSH 4" SQUARE BOX 4" +144 INCHES (12" AFG
SMOKE DETECTOR - EDWARDS MODEL E85001-0651 - WITH BASE/CEILING MOUNTED ON FLUSH 4" SQUARE BOX
SMOKE DETECTOR - EDWARDS MODEL E85001-0651 - WITH BASE/CEILING MOUNTED ON FLUSH 4" SQUARE BOX
HEAT DETECTOR - EDWARDS MODEL E85001-0620 - WITH BASE/CEILING MOUNTED ON FLUSH 4" SQUARE BOX
FLOW SWITCH MONITOR MODULE - EDWARDS MODEL GSA-CT1. FLOW SWITCH FURNISHED AND INSTALLED BY OTHERS, MODULE FURNISHED AND INSTALLED BY FIRE ALARM CONTRACTOR. CONNECT TO FACP AS REQUIRED.
TAMPER SWITCH MONITOR MODULE - EDWARDS MODEL GSA-CT1 TAMPER SWITCH FURNISHED AND INSTALLED BY OTHERS, MODULE FURNISHED AND INSTALLED BY FIRE ALARM CONTRACTOR. CONNECT TO FACP AS REQUIRED.
REMOTE TEST STATION (KEY OPERATED) - KEY BOX TYPE, FLUSH MOUNTED, HEIGHT CONDUIT AND WIRE TO DUCT DETECTOR AS REQUIRED. PROVIDE FINAL CONNECTIONS AS REQUIRED
WIRE GUARD W/ TAMPER PROOF SCREWS - REQUIRED IN GYM, AUXILIARY GYM, AND WHERE SHOWN
FIRE ALARM CONDUIT & WIRE - SEE FIRE SYSTEM NOTES.
ZAM - ZONE ADDRESSABLE MODULE, MONITOR (INPUT TO FIRE ALARM PANEL FROM A DEVICE OR SYSTEM)
ZAM - ZONE ADDRESSABLE MODULE, CONTROL (OUTPUT FROM FIRE ALARM PANEL TO A DEVICE OR SYSTEM)
INTERPOSING RELAY FOR USE WITH CONTROL ZAM, 20 AMP CONTACTS

FIRE ALARM SYSTEM NOTES

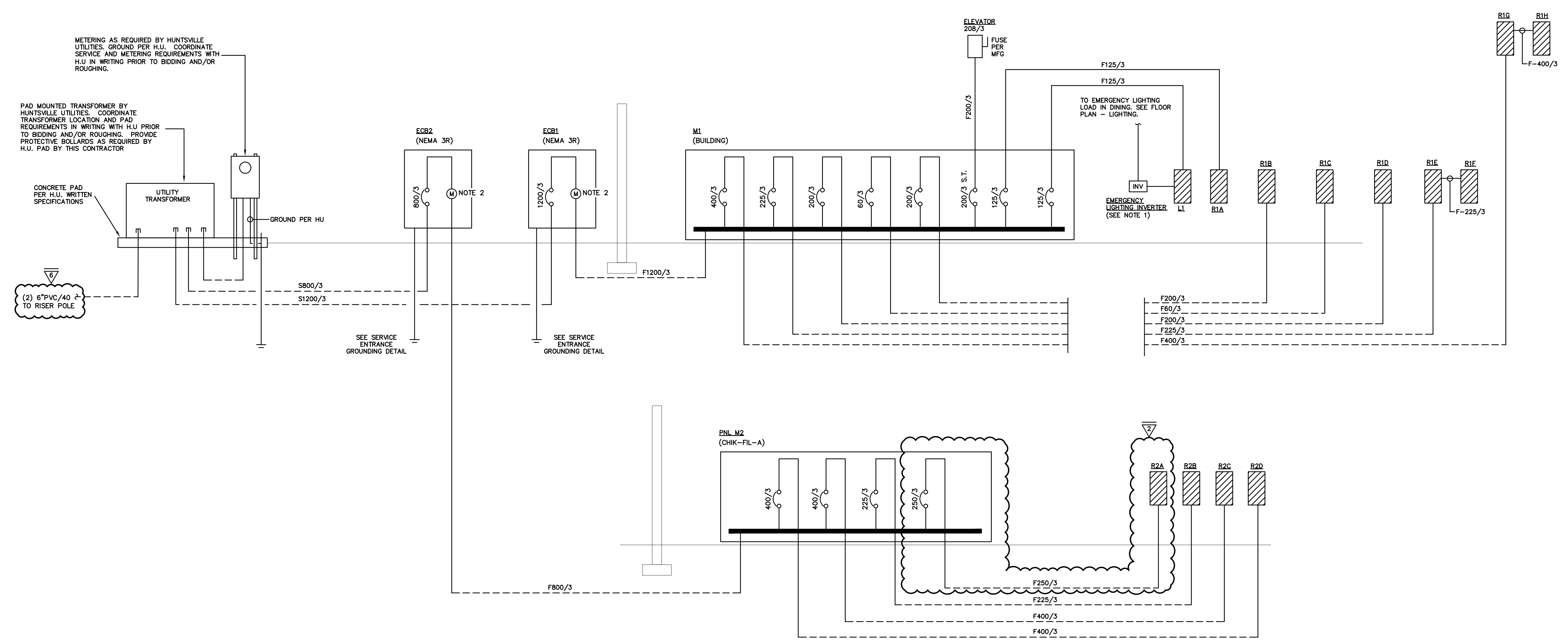
- 1. FIRE ALARM CONTRACTOR TO INCLUDE IN BID PRICE REQUIRED PROGRAMMING SERVICES SUCH THAT THE FINAL ROOM NUMBERS (PER THE APPROVED OWNERS STORAGE SCHEME) FOR EACH F.A. SYSTEM DEVICE SUCH THAT ALARMS AND DEVICE LOCATIONS MATCH BUILDING STORAGE.
2. FIRE ALARM SUB-CONTRACTOR TO FURNISH POINT TO POINT WIRING DIAGRAM BY THE FIRE ALARM MANUFACTURER WITH FIRE ALARM SYSTEM SUBMITTALS. POINT TO POINT WIRING DIAGRAMS SHALL INCLUDE ALL WIRING INFORMATION AND CONDUIT SIZES. REQUIRED WIRING DIAGRAMS SHALL BE FURNISHED WITH THE ELECTRICAL SUBMITTAL PACKAGE. SUBMITTAL PACKAGES WITHOUT THESE DRAWINGS AND THE REQUIRED MAINTENANCE AND EXPANSION INFORMATION (SEE SPECIFICATIONS) WILL NOT BE ACCEPTED.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL WIRING REQUIREMENTS WITH THE FIRE ALARM SYSTEM SUBCONTRACTOR PRIOR TO BIDDING AND/OR ROUGHING. FURNISH AND INSTALL ALL REQUIRED 120V, CIRCUITS FOR AMPLIFIERS, FIELD CHARGING PANELS, RELAY PANELS, ETC.
4. ALL FIRE ALARM CABLING SHALL BE INSTALLED CONCEALED IN CONDUIT, 3/4" MINIMUM (NO EXCEPTIONS). ALL FIRE ALARM CONDUITS SHALL BE RED TRUE COLOR EMT AS MANUFACTURED BY ALLED TUBE AND CONDUIT.
5. FIRE ALARM SYSTEM CONTRACTOR SHALL FURNISH AND INSTALL REMOTE TEST STATION(S) FOR ALL DUCT MOUNTED SMOKE DETECTORS. THESE STATIONS SHALL BE LABELED WITH THE DEVICE NUMBER AND THE UNIT NUMBER. THE REMOTE TEST STATION(S) SHALL BE LOCATED IN AN ACCESSIBLE LOCATION.
6. THE ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATIONS FOR ALL FIRE PROTECTION SYSTEM VALVES WITH THE FINAL FIRE PROTECTION SYSTEM PLANS PRIOR TO BIDDING AND/OR ROUGHING. AT EACH CONTROL VALVE, THE CONTRACTOR SHALL PROVIDE FIRE ALARM SYSTEM CONNECTIONS TO THE FLOW AND TAMPER SWITCHES (FURNISHED AND INSTALLED BY OTHERS).
7. DUCT MOUNTED SMOKE DETECTORS FURNISHED BY THE ELECTRICAL CONTRACTOR, AND INSTALLED BY THE MECHANICAL CONTRACTOR. FIRE ALARM CONTRACTOR, PROVIDE ALL EQUIPMENT REQUIRED FOR SHUTDOWN OF THE UNITS BY THE FIRE ALARM CONTROL PANEL AS REQUIRED.
8. CONTRACTOR SHALL PROVIDE WITH THE FIRE ALARM SUBMITTAL PACKAGE THE FOLLOWING INFORMATION PER IBC 2015:
COPY OF STATE OF ALABAMA FIRE ALARM CONTRACTOR LICENSE/PERMIT
LOCATION OF ALARM INITIATING DEVICES
CONDUCTOR TYPES AND SIZES AND TERMINATING EQUIPMENT
MODEL NUMBERS AND LISTING INFORMATION FOR EQUIPMENT DEVICES AND MATERIALS
9. THE NEW FIRE ALARM SYSTEMS WILL COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING CODES:
INTERNATIONAL BUILDING CODE 2015
INTERNATIONAL FIRE CODE 2015
NFPA 72 2013
ALL REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION
10. THE CERTIFIED FIRE ALARM ACT REQUIRES THAT EVERY BUSINESS WHO INSTALLS FIRE ALARM SYSTEMS IN COMMERCIAL OCCUPANCIES MUST BE LICENSED AS A CERTIFIED FIRE ALARM CONTRACTOR. THE CONTRACTOR MUST HAVE A NICET LEVEL III TECHNICIAN IN A POSITION OF RESPONSIBILITY, AND THE LICENSE WILL BE ISSUED IN THE NAME OF THE CERTIFICATE HOLDER AND THE CONTRACTOR. THE CERTIFIED FIRE ALARM ACT ALSO REQUIRES THAT TECHNICIANS WORKING FOR THE CERTIFIED CONTRACTOR MUST HOLD A CURRENT NICET LEVEL II, OR EQUIVALENT, CERTIFICATION. CONTRACTORS TO SHOW EVIDENCE WITH SUBMITTAL PACKAGE THAT HE/SHE MEETS THE CERTIFICATION REQUIREMENTS OF THE ACT AND HOLDS A PERMIT ISSUED BY THE STATE FIRE MARSHAL.
11. THE FIRE DETECTION AND ALARM SYSTEM CONTRACTOR SHALL HOLD A PERMIT FROM THE ALABAMA STATE FIRE MARSHAL. THE FIRE ALARM SYSTEM CONTRACTOR SHALL PROVIDE A COPY OF THE STATE FIRE MARSHAL'S PERMIT TO THE GENERAL CONTRACTOR SO THAT THE ENGINEER MAY REVIEW THE CONTRACTOR'S QUALIFICATIONS PRIOR TO ANY WORK TAKING PLACE. SEE SPECIFICATIONS SECTION 266520A APPENDIX FOR COPY OF STATE REQUIREMENTS FOR FIRE ALARM CONTRACTORS DESIRING TO BID THIS PROJECT.

SPECIAL FIRE ALARM NOTE:
NEW FIRE ALARM SYSTEM (FIRE ALARM CONTROL PANEL, FIRE ALARM DEVICES, FIRE ALARM CABLING, FIRE ALARM SYSTEM SET-UP AND PROGRAMMING) TO BE FURNISHED AND INSTALLED UNDER BASE BID.

AREA OF RESCUE ASSISTANCE SYSTEM LEGEND

- RAM AREA OF RESCUE ASSISTANCE MAIN CONTROL PANEL WITH POWER SUPPLY (+48" A.F.F. TO BOTTOM). SEE AREA OF RESCUE ASSISTANCE BLOCK DIAGRAM.
RAR AREA OF RESCUE ASSISTANCE REMOTE CONTROL PANEL WITH POWER SUPPLY. SEE AREA OF RESCUE ASSISTANCE BLOCK DIAGRAM.
RAC AREA OF RESCUE ASSISTANCE CALL STATION (+36" A.F.F. TO BOTTOM). SEE AREA OF RESCUE ASSISTANCE BLOCK DIAGRAM.
RAP AREA OF RESCUE ASSISTANCE POWER SUPPLY. SEE AREA OF RESCUE ASSISTANCE BLOCK DIAGRAM.

SPECIAL NOTE:
 1. ADDITIONAL METERING WAS NOT INCLUDED FOR ELECTRICAL ENERGY MONITORING BASED ON EXCEPTION TO ASHRAE 90.1 (2013) 8.4.3.1 AND 2 AS BUILDING IS LESS THAN 25,000 SQUARE FEET AT 15,916 SQUARE FEET TOTAL



SINGLE LINE DIAGRAM

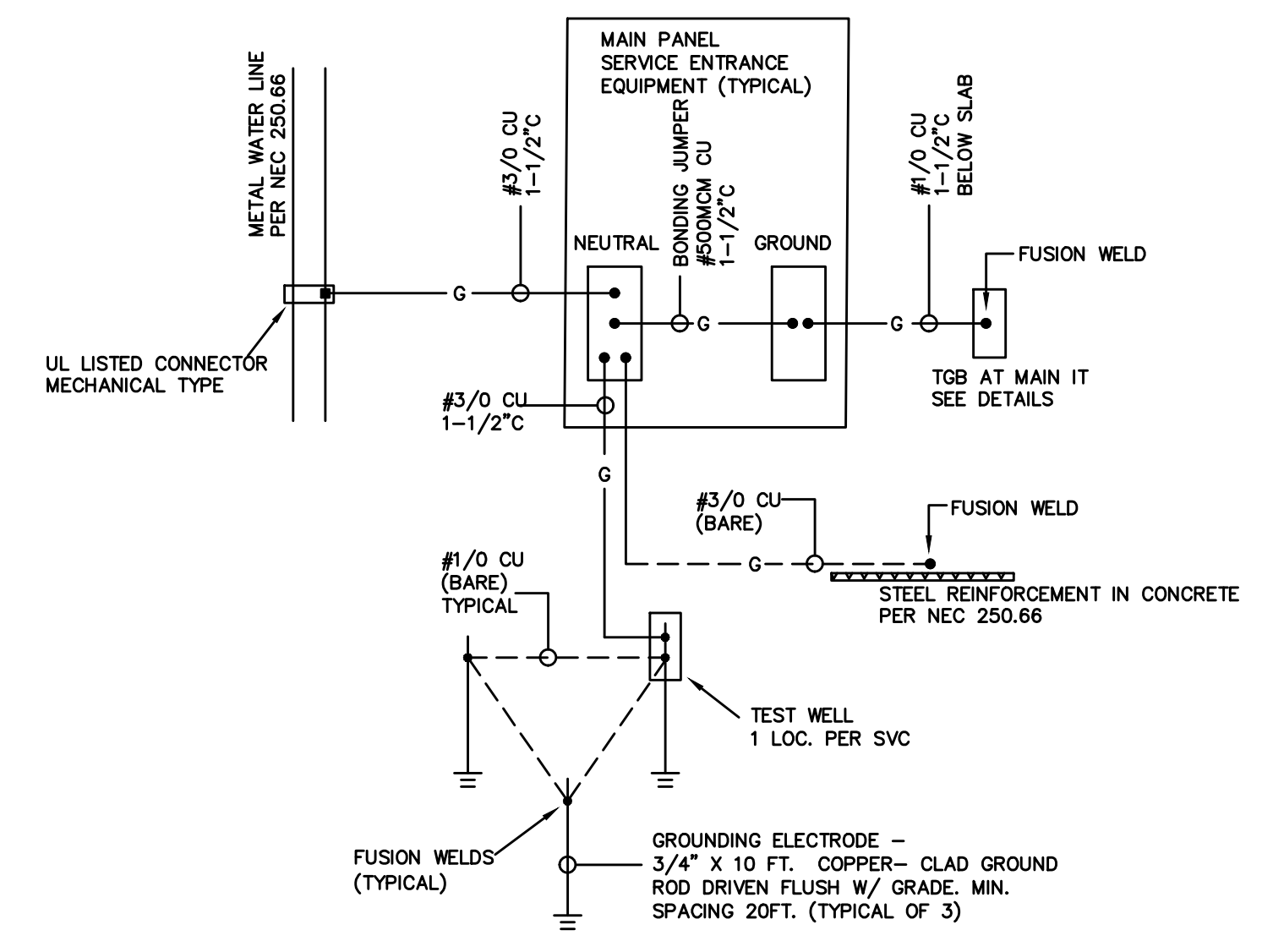
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SINGLE LINE DIAGRAM NOTES:

- FURNISH AND INSTALL EMERGENCY LIGHTING INVERTER (LVS# CEPS-A-500-120-1) COMPLETE WITH UL924 CONTROL FOR EMERGENCY LIGHTING. INVERTER SHALL BE IN ELECTRICAL ROOM ADJACENT TO PANEL. INSTALL, TEST AND COMMISSION PER MANUFACTURER'S RECOMMENDATIONS.
- FURNISH AND INSTALL 1 EACH CAT6 CABLE IN 1" FROM DIGITAL METER LOCATION TO IT 105 AND CONNECT TO LAN AS REQUIRED FOR METER MONITORING

CONDUCTOR SCHEDULE

FEEDER TAG	CONDUCTOR AND CONDUIT
S800/3	2 RUNS (4#600 MCM, 4" C)
S1200/3	4 RUNS (4#350 MCM, 3" C)
F60/3	4#6, 1#10G, 1-1/4" C
F100/3	4#3, 1#6G, 1-1/4" C
F125/3	4#1, 1#6G, 2" C
F200/3	4#3/0, 1#6G, 2-1/2" C
F225/3	4#4/0, 1#4G, 3" C
F400/3	4#600 MCM, 1#3G, 4" C
F800/3	2 RUNS (4#600 MCM, 1#1/0G, 4" C)
F1200/3	4 RUNS (4#350 MCM, 1#3/0, 3-1/2" C)
F250/3	4#250MCM, 1#4G, 3" C



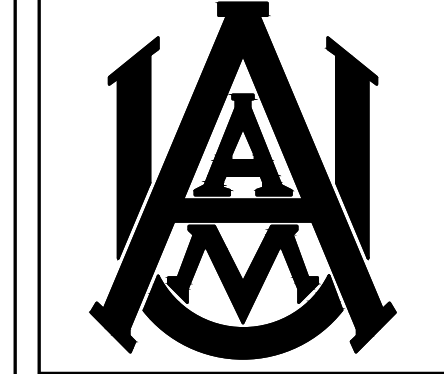
SERVICE ENTRANCE GROUNDING

NOT TO SCALE

NOTES:

- BOND METAL PIPING SYSTEMS INCLUDING GAS PIPING TO THE SERVICE EQUIPMENT ENCLOSURE PER NEC 250.104(B), SIZED PER 250.122 BASED ON THE SIZE OF THE CIRCUIT SUPPLYING THE EQUIPMENT.

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 2 ADDENDUM#3 3/19/21
 3 ADDENDUM#6 4/1/21

SHEET TITLE
ELECTRICAL SINGLE LINE DIAGRAM

SHEET NUMBER
E-3.0
 OF