

**ADDENDUM #5**

**Will County Health Department**  
**BID PACKAGE #2 – Misc. Steel/Structural/Enclosure**  
**November 15, 2018**

This addendum will be included in all future sets of drawings distributed and on the Leopardo Building Connected website.

**Division 1 – General Instructions**

**1.0 Bid Instructions**

**A. Bid Submission**

1. **There will be NO bid due date extension for this addendum. Final bids are due no later than 1:00PM on Tuesday, November 20, 2018.**

**1.1 Bid Documents**

**A. Schedule of Bid Documents**

The following documents are included as part of this bid addendum:

DATE	DESCRIPTION	By
11/15/18	Addendum Narrative (this document) - <b><u>FOLLOWS</u></b> – 1 Page	Leopardo Companies
11/15/18	Bid RFI Log Dated 11/15/18 – 8 Pages	Leopardo Companies
11/13/18	Revisions Narrative and Drawing Index – 3 Pages	Kluber
11/13/18	Specification Sections Revisions 11/13/18 ( <b><u>As Listed Below</u></b> ) – 2 Pages	Kluber
11/13/18	Drawing Revisions ( <b><u>As Listed Below</u></b> ) – 10 Pages	Kluber

**2.0 General Information**

**A. Revised Specification Sections – Dated 2018.11.13**

- 072500.02 Weather Barriers
- 078100.02 Applied Fireproofing

**B. Revised Drawings Sheets – Dated 2018.11.13**

- A330
- A501
- A600
- A1000
- A1001
- A1202
- A1203
- A1204
- S321
- S500

**END OF ADDENDUM #5**

RFI LOG  
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				R =	Resolved
				P =	Pending Response
				I =	Incomplete
RFI #	ADDENDUM #	Question	Response	Status	
BP2-001	Addendum #1	S311 states for top of footing elevations is to be at 96'-6" This is a 1' thick footing minimal which would put the bottom of footing an extra 1'-0" below what is required at 42". The note should read top of footing 2'-6" because our bottom of footing by code and their notes only needs to be 96'-6". The location for his coverage comment can be found pm S011 Note F9.	The note on S011 is in absent of other information. Other factors that drive this elevation are as follows: 1. The exterior grades typically are not flush with the interior slab on grade elevation. Variations occur and we do not run with the bare bones to avoid any frost coverage issues. This is our office standard and we will maintain as we are the EOR for the project. 2. We also have moment frames which have anchor rods that require correct embedment which is measure from the top of piers which are typically 8" below the finished floor. We maintain the embedment length of the bolts within the pier height so the bolts are not set in the footing.	R	
BP2-002	Addendum #1	What is note 5.531 on S600 depicting?	Will be addressed by addendum	R	
BP2-003	Addendum #1	On G301 there is a table with 0 hour rating for floors and roofs. Next to the 0 hour note it identifies Stairs and shafts, elevator equipment room, and boiler room with 1 hour rating. It appears the fireproofing will be limited to all shafts, and stairs plus a couple mechanical rooms. With a note on the structural drawing that states all roof decks that require fireproofing will be galvanized. Will the roof decking at the top of the stairs and shafts require fireproofing?	No. Roof decking does not require a rating.	R	
BP2-004	Addendum #1	Are Vehicle Restraints required with the Scissor Lift equipment? These are stated in specification section 111319.02.	No. Paragraph 1.01 B will be removed by Addendum.	R	
BP2-005	Addendum #1	Specification Reference 075300.02: Solar reflectance requirement of Elastomeric Membrane Roofing System is unattainable with a black membrane. Please advise.	Paragraph 2.02B1 will be eliminated by Addendum. SRI is not applicable with a black EPDM membrane.	R	

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BP2-006	Addendum #1	Membrane Roofing Scope of Work 4.e. states "All metal flashings and roof related sheet metal shall be prefinished per specs under this contract. Type and color of finish shall be as specified." What Flat Stock is the Metal Panel Subcontractor providing?	The Metal Panel Subcontractor is providing Flat stock for copings, metal fascia, soffits, gravel stops, downspouts, scuppers, conductor heads, and overflows to the Roofing subcontractor to furnish and install. All other metal flashings and roof related sheet metal for a complete roofing system must be provided by the Roofing Subcontractor.	R
BP2-007	Addendum #2	Please advise on the following Membrane Roofing questions: 1.) Is the vapor barrier being installed over the metal deck areas or just the concrete deck area. 2.) Is the insulation to be fastened into the vapor barrier or installed in adhesive so there is no penetration into the vapor barrier. 3.) It also states to run vapor barrier up parapet walls and underneath wood blocking, we cannot adhered directly to the vapor barrier so should we turn vapor barrier up a few inches to seal.	1) Metal and concrete areas. 2) Insulation shall be glued at the concrete roof deck areas and can be screwed at the metal deck areas through the vapor barrier. 3) Spec Section 07 53 00.02 Paragraph 3.03A will be revised by Addendum #2 to clarify this issue.	R
BP2-008	Addendum #2	Do all anchor bolts receive galvanizing? (Sheet S321, note 2.g in Column Schedule).	Yes	R
BP2-009	Addendum #2	The screenwall girts have cap channels of different depths (12" and 15"). Please verify this is correct.	Yes	R
BP2-010	Addendum #2	Please verify roof height of canopy. Roof plan sheet A330 lists height at 129'-8" while the architectural drawing shows canopy height at 116'-2".	Will be addressed by addendum #2.	R
BP2-011	Addendum #2	Please confirm/provide clarification for note 5.526, L3x3x1/4" galvanized angle and 3/A100... Please confirm what is needed at the loading dock/who is providing it.	It is a galvanized angle as indicated on Structural Sheet S312S per Keynote 5.526. The angle is at the full interior perimeter of the pit and on one edge where the depressed pit lift ramp is located. Also refer to Sheet 3/A100 for additional section cut detail. No addendum is needed for this item. Miscellaneous Metals Subcontractor to provide and install.	
BP2-012	Addendum #2	Please confirm all CMU clips per 4/S611 and similar are by the misc. metals contractor.	CMU clips are provided by the masonry subcontractor	R

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BP2-013	Addendum #2	What is the thickness of the ribbed metal pan from top of rib to bottom of rib on the 2nd floor pan deck for Slab S3?	See metal deck schedule on Sheet S322.	R
BP2-014	Addendum #2	Does this project have any DBE, WBE etc, requirements?	No it does not	R
BP2-015	Addendum #3	sections 7/8/S501 – please confirm we are to include the HSS/channel/angles shown in these sections.	The tubes depicted in those details are to be part of the Structural Steel scope. This does not apply to the steel stair stringer tubes. The tubes at the ornamental staircase are by the Misc. Metals.	R
BP2-016	Addendum #2	Confirm ALL work related prefab/light gauge canopies per sheet A1205 and similar is by others.	All non-structural canopies to be by the Miscellaneous Metals subcontractor.	R
BP2-017	Addendum #2	Confirm that no lintels are to be part of the Structural Steel Scope.	No loose lintels are to be by the Structural Steel Subcontractor.	R
BP2-018	Addendum #3	What miscellaneous metals will be required for millwork support? Please provide a drawing of these needed supports.	None. Prefabricated countertop supports will be specified to be provided by the architectural casework contractor.	R
BP2-019	Addendum #3	DRAWING 6/S 500 SHOWS WEB OPENINGS DETAIL .LOCATIONS NOT SHOWN ON S-DRAWINGS .PLEASE PROVIDE	See below for answer at BP2-030	R
BP2-020	Addendum #3	The specification's state to fasten all layers of insulation, including the cover board at the metal roof areas. Is this the desired application? The cover board should be installed in approved adhesive to eliminate the insulation fasteners coming in contact with the bottom of the EPDM membrane. This is the primary reason for using a cover board.	Coverboard is only required at the two canopy locations as shown on the drawings. The coverboard shall be mechanically fastened as specified.	R

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BP2-021	Addendum #3	07 53 00 3.03 C references a LiveRoof system. I do not see this on the plans. Is there a LiveRoof system on this project?	Will be covered in BP2 Addendum 3.	R
BP2-022	Addendum #3	The details for the canopy on page A1205 show a coverboard and membrane on the metal deck with tapered at the drains only. The roof plan shows this deck as flat(129'-8" at column Line A) Notes on the roof plan state 1/8" slope. Is this a fully tapered roof area or slope in the deck?	Slope in the deck. Roof elevations were corrected under BP #2 - Addendum 2.	R
BP2-023	Addendum #3	Will there be any posts required in low height gypsum wall as indicated in the Miscellaneous Metal scope?	Yes. Only at the half wall in room 1103A. Will be covered in BP2 Addendum 3.	R
BP2-024	Addendum #3	Specification Reference 072500 requires an air barrier material to be installed at 40 dry mils. The majority of the specified products are "low mil" products and are installed at 10 dry mils. Can the WR Meadows LMP "black" fluid applied vapor permeable air barrier membrane be utilized which is installed at 40 dry mils and can be exposed to UV rays for 6 months per the specification requirements.	Will be covered in BP2 Addendum 3.	R
BP2-025	Addendum #3	Multiple sections on S501/S510 – please confirm who is supposed to include the nuts and rods? Please confirm who is to furnish and/or install the nuts and rods.	Keynote 3.375 will be provided by Building Concrete subcontractor. Keynote 5.524 will be provided by the Structural Steel subcontractor.	R
BP2-026	Addendum #3	In the Misc. Metals Package there is an Alternate no.2 on the bid form. Where is the description on that alternate listed ?	Currently there is not an Alternate #2. Insert \$0 in this line	R
BP2-027	Addendum #3	Does Barrier One and the Spraylock sealer need to be added to the roof concrete as shown on page 331S & 332S?	No	R

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BP2-028	Addendum #3	Address Structural Steel Scope of Work Questions: 1. Please confirm that all touch up painting, if required, is to be the painting contractor. (Do iron workers really need to touch up paint?) 2. Please confirm structural steel contractor is to provide temp ladders or not. (if so, please provide quantities and any other information) 3. Please confirm paint compatibility of prime/finish paints is by others. (As a structural steel fabricator, we are not painters so we only have (1) standard prime paint, compatibility should be by others) 4. Please confirm who is providing the adjustable masonry ties. 5. Please confirm no infill decking is required, nothing is called out on the drawings as where infill decking would be required. 6. Please confirm that "all construction loads imposed by this scope of work do not exceed the capacity of the deck" is by others. 7. Please confirm that all seismic requirements is by others. We are a fabricator, not engineers.	1. Paint touch-up by painting subcontractor. 2. Temporary wood built ladders to be by the Building Concrete subcontractor 3. Structural Steel subcontractor to provide specified primer. Paint subcontractor to ensure final finish compatibility. 4. Per 6.g. in the Structural Steel scope adjustable masonry ties provided by the Masonry subcontractor. 5. Scope states at all framed openings. 00220.206-3, 7.d to remain in scope. Please review drawings for all locations with framed openings. . (stairs, elevator shaft, etc.). 6. 8.e. to remain in scope. 7. 00220.206-3, 9.a. to remain in scope. Structural drawings have addressed all the loading requirements.	R
BP2-029	Addendum #3	Does the slab on grade and 2nd floor needs to be wet cured after the installation of the Spraylock Sealer?... based on the 033 30 00.02 page 9, 3.07 Curing and Protection...	Conform to specifications; See specifications section 03 30 00.02; Paragraph 3.07. Spray lock is not required and has been removed from the concrete sub scope.	R
BP2-030	Addendum #3	Please advise on the following structural steel questions: 1. Who is to provide the galv. plates/epoxy anchors per 11/S500? 1a. Who is providing the galv plates per 9/10 on S510? 2. Who is providing the nuts/threaded rods per 6/S510 and similar? Who is to install the nuts/rods? 3. Please confirm no web openings (6/S500) are required as none are specifically called out on drawings. 4. No steel prime paint specs have been provided. Is our standard Sherwin Williams water based gray prime paint sufficient?	1 and 1a. By the miscellaneous metals subcontractor who is providing the canopy. 2. Keynote 3.375 will be provided by Building Concrete subcontractor. Keynote 5.524 will be provided by the Structural Steel subcontractor. 3. At time of BP #2, no web openings are known. 4. See answer in BP-028 above.	R
BP2-031	Addendum #3	Please address the following Building Concrete questions: 1. Can you point in of the direction of where spray lock is mentioned in the specs? 2. Can we use either a curing compound or a wet cure for curing the concrete?	1. Spray-Lock has been removed from concrete sub scope. 2. Conform to specifications; See specifications section 03 30 00.02; Paragraph 3.07. and provide whatever is more stringent.	R
BP2-032	Addendum #3	• Are there liquidated damages? o If yes, what is the daily amount?	No liquidated damages on this project	R

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BP2-033	Addendum #3	The Scissor Lift Platform seems to be a custom size. Can the size be changed to 72"x96" nominal?	The size specified is a standard size and all dimensional information was provided to Kluber by Blue Giant. You will not find the unit specified on the manufacturers web site. The unit size will remain the same.	R
BP2-034	Addendum #3	Can the electrical characteristics of the Sectional Overhead Doors specification change to 1/3 or 1/2 HP? Also can the safety edge be the pneumatic type?	No glazed lites are specified. (Is the bidder using the WRONG SPECS? This was in the DD Specs but not the ones issued with BP2). Specs will be revised to 1/2 HP motor. Safety edge will remain as specified.	R
BP2-035	Addendum #3	In the Structural Steel Package there is an Alternate no.2 on the bid form. Where is the description on that alternate listed ?	Currently there is not an Alternate #2. Insert \$0 in this line	R
BP2-036	Addendum #3	Can fly ash be utilized in the slab on grade concrete mix?	No concrete subcontractor to exclude the use of fly ash in the slab on grade and elevated concrete deck.	R
BP2-037	Addendum #3	Who is to provide permanent elevator pit ladder?	The Elevator subcontractor to provide the permanent elevator pit ladder.	R
BP2-038	Addendum #3	3.c. in the Metal Panel work scope states "Subcontractor shall engage a qualified testing agency to perform tests and inspections to conduct water-spray testing as specified." Does this have to be a third party?	Metal Panel subcontractor to provide quality control and testing per design specification requirements.	R
BP2-039	Addendum #3	Masonry scope item 5.i.viii. States "HM Door Frames in Masonry Wall (assist Carpentry Subcontractor)" to be installed by Mason. Is this the case?	Carpentry Subcontractor to install the HM Frames. Mason to assist in coordination.	R
BP2-040	Addendum #3	Per structural steel scope safety cabling should be "engineered". Who is responsible to "engineer" safety cables? Who is going to provide, maintain and remove toe board of guardrail?	Item 7.a. to remain in Structural Steel Scope. Per the Structural Steel Scope "Toe boards shall be furnished and installed by the Concrete contractor including toe board maintenance. Removal of toe board and attachment is to be by Miscellaneous Steel subcontractor."	R

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BP2-041	Addendum #5	Questions on winter/weather provisions for concrete: 1. Since the foundation work is planned for January-February. Who is responsible for keeping the open excavations from freezing? I.E. Blanketing and ground thaw machines 2. For the actual foundation working during this time is there anything other than winter blanketing required? Some areas will not let you pour in freezing temps without heating the formwork. This can be a huge expense and there is no way of knowing what the conditions may be. Normally we see an allowance set aside for this.	1. Foundations are to be poured immediately after foundation excavations. Building Concrete subcontractor to ensure bottom of footings must be dry prior to foundation pouring. 2. Include precautions needed for the time of year foundations will be poured.	R
BP2-042	Addendum #5	Can you confirm with the project is going to require ABAA tests and inspection costs on this project? (RE: spec section 072500 - 3.04 - B). The air barrier manufacturers rep can inspect and approve the application of the air barrier and submit written reports at no additional charge.	ABAA tests will not be required. The Specs will be revised by Addendum #5 to include manufacturer's representative inspection and approval only of a mock-up prior to full installation.	R
BP2-043	Addendum #5	Can you please clarify if we are supposed to include a bid bond with our proposals or just provide an add alternate amount for the bid bond?	A 10% bid bond is required, but a performance and payment bond is an alternate on the bid proposal forms.	R
BP2-044	Addendum #5	Details 2-4 on A1200 show gypsum board stopping at the bottom of the beam height and the space between the beam and wall system is completely filled with spray foam. Can the gypsum board go all the way to the bottom of the deck instead of stopping at the bottom of the beam height? If there is any foam not covered by gypsum board it would require a thermal barrier equivalent intumescent coating per code, but in this case it seems to be more cost effective to have the gypsum board installed all the way up than having the spray the intumescent coating.	Conform to the details on the construction documents. Intumescent is specified and anticipated at locations where the spray foam is installed and visible to view.	R
BP2-045	Addendum #5	In the Membrane Roofing Scope it states "A full-time manager/supervisor and full-time competent safety supervisor shall be present during all work. Start date and sequence to be at the direction of Leopardo superintendent." Can the foreman be the full-time competent safety supervisor as well the full-time manager during all work?	Yes the foreman can be the full time competent safety supervisor as well as the full-tiem manager during the work.	R
BP2-046	Addendum #5	Does the Barrier One Moisture Vapor Reduction Admixture need to be incorporated in the roof slabs?	No. Was answered already above.	R



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BP2-047	Addendum #5	What does the FP stands for on the structural drawings? Does the spray foam at the floor beam level need to provide an R value of 21 or are the intentions to fill the beam cavity?	The FP Beams on the Structural Drawings mean that member gets fireproofing. Those beams do not get any primer on them from the fabricator so the fireproofing will stick with no additional primer needed. The spray foam needs to fill the beam cavity as shown. It is also being used for sound control (in addition to the thermal requirements) between interior room wall that intersect these areas perpendicular to the outside wall behind the beam to avoid sound transfer between rooms.	R
BP2-048	Addendum #5	If a cashier's check is being provided in lieu of a bid bond who is the check made payable to?	Will County Treasurer	R
BP2-049	Addendum #5	If a subcontractor is bidding multiple packages can one bid bond be requested for a combined total amount with the original bid bond in the more costly bid category and a copy be placed in the less costly bid category?	One bid bond may be provided for multiple bid categories with the following stipulations: 1. The bid bond or copy of the bid bond MUST be included in all sealed bid category submissions. 2. The bid bond's description states either the bid bond is for Bid Package #2 (as a general statement) or the description has all the intended bid categories listed. 3. The 10% bid bond MUST be 10% of the COMBINED total of the bid categories.	R
BP2-050	Addendum #5	Please clarify if the floor deck gets sprayed with fireproofing since the current deck is 3" decking with 3" Normal Weight concrete which does not provide a 1 hr rating.	The floor decking locations as shown in Detail 1/G301 shall get fireproofing. (Note: This is the floor deck above a portion of the large multipurpose meeting room Number 1005A & 1005B that is indicated with cross hatching). Addendum #5 fireproofing specs under Article 3.06 Schedule will be corrected to include fireproofing for the decking in the cross hatched areas).	R
BP2-051	Addendum #5	If a subcontractor has completed all these pre-qualification forms to Leopard Companies Inc. for past projects. Does a subcontractor need to resubmit the requested qualification forms again for the Will County Health Department project?	Yes all subcontractors must fill out the pre-qualification forms with their sealed bid.	R

**SECTION 00 91 07  
BP #2 - ADDENDUM NUMBER 5**

**DATE:**                **NOVEMBER 13, 2018**

**PROJECT:**           **WILL COUNTY HEALTH DEPARTMENT - NEW HEALTH DEPARTMENT  
BUILDING  
501 ELLA AVENUE  
JOLIET, ILLINOIS 60433**

**PROJECT NO:**       **17-401-1124**

**OWNER:**            **THE COUNTY OF WILL  
302 NORTH CHICAGO STREET  
JOLIET, ILLINOIS 60432**

**TO:**                   **PROSPECTIVE BIDDERS / PLANHOLDERS OF RECORD**

**This Addendum forms a part of the Contract Documents and modifies the Bidding Documents For Bid Package #2 dated 10/23/2018, with amendments and additions noted below. Acknowledge receipt of this Addendum in the space provided in the Bid Form. Failure to do so may subject the Bidder to disqualification.**

**This Addendum consists of Three (3) pages and Drawings A330, A501, A600, A1000, A1001, A1202, A1203, A1204, S321 & S500.**

**CHANGES TO SPECIFICATIONS**

**1.01 SECTION 07 25 00.02 - WEATHER BARRIERS**

A. Under Article 1.05 SUBMITTALS:

1. Delete Paragraph E in its entirety.

B. Under Article 1.06 QUALITY ASSURANCE:

1. Delete Paragraph A and replace with the following:

"A. The air barrier factory trained representative shall conduct an inspection of the mock-up wall assembly system to review the weather barrier installation for approval and submit a written report accepting the weather barrier application on the mock-up panel prior to the contractor proceeding with the full building weather barrier installation."

C. Under Article 3.04 FIELD QUALITY CONTROL:

1. Delete Paragraph B in its entirety.

## **1.02 SECTION 07 81 00.02 - APPLIED FIREPROOFING**

### **A. Under Article 3.06 SCHEDULE:**

#### **1. Add to the bottom of the Schedule the following:**

"Area: \*As indicated on the drawings".

"Element/Assembly: Interior steel floor decking above Multipurpose Room 1005A & 1005B."

"Rating: 1 Hour."

"U.L. Design No.: D710."

## **CHANGES TO THE DRAWINGS**

### **2.01 DRAWING A330 - ROOF PLAN**

- A. Detail 1/A330: Revised ACC Unit quantity to three (3) as noted (ACC-1, ACC-2 & ACC-3), roof portal and roof curb extents east of RTU-1 as clouded.
- B. Detail 1/A330: Properly located all vents thru roof locations to coordinate with future Bid Package Release. Refer to revisions cloud 9.
- C. Detail 1/A330: Added roof drain tags.
- D. General Notes: Deleted General note #7.

### **2.02 DRAWING A501 - ENLARGED PLANS**

- A. Detail 8/A501: Added post location dimensions for the central handrail assembly at the ornamental staircase.

### **2.03 DRAWING A600 - BUILDING SECTIONS**

- A. Detail 2A/A501: Added ornamental staircase post locations and revised keynote 5.074.

### **2.04 DRAWING A1000 - PLAN DETAILS**

- A. Revisions to the weather barrier coating placement and termination points. Minor modifications to the details as noted. Refer to revision cloud 9 for specific changes.
- B. Added General Note #4.

### **2.05 DRAWING A1001 - PLAN DETAILS**

- A. Revisions to the weather barrier coating placement and termination points. Minor modifications to the details as noted. Refer to revision cloud 9 for specific changes.
- B. Added General Note #4.

### **2.06 DRAWING A1202 - WALL SECTIONS**

- A. Revisions to the weather barrier coating placement and termination points. Minor modifications to the details as noted. Refer to revision cloud 9 for specific changes.
- B. Added General Note #6.

## **2.07 DRAWING A1203 - WALL SECTIONS**

- A. Revisions to the weather barrier coating placement and termination points. Minor modifications to the details as noted. Refer to revision cloud 9 for specific changes.
- B. Added General Note #6.

## **2.08 DRAWING A1204 - WALL SECTIONS**

- A. Revisions to the weather barrier coating placement and termination points. Minor modifications to the details as noted. Refer to revision cloud 9 for specific changes.
- B. Added General Note #6.

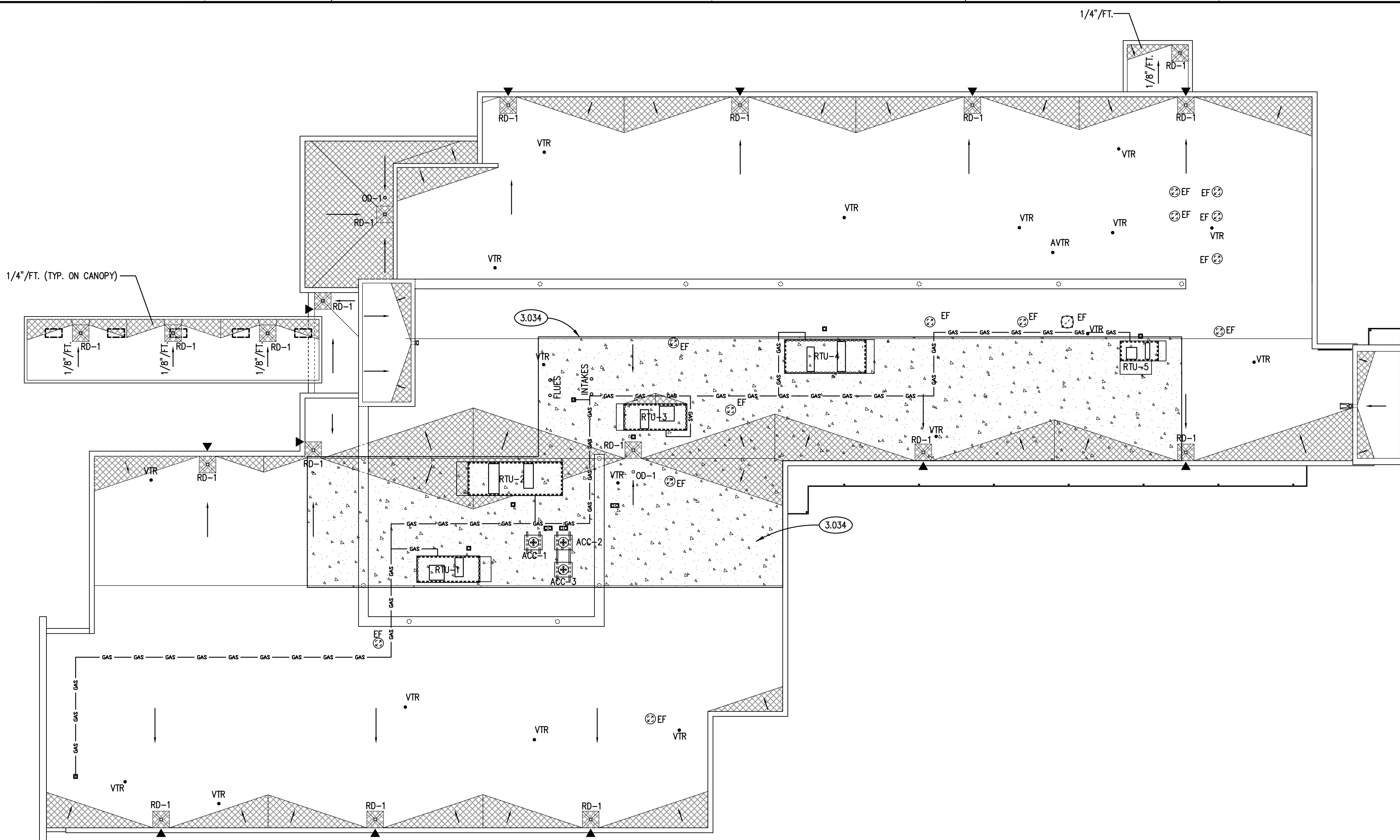
## **2.09 DRAWING S321 - PARTIAL SECOND FLOOR FRAMING PLAN - AREA 'A'**

- A. Delete drawing in its entirety and replace with drawing number S321 (attached). Refer to revision cloud 9 for specific changes.

## **2.10 DRAWING S500 - STANDARD FLOOR FRAMING SECTIONS AND DETAILS**

- A. Delete drawing in its entirety and replace with drawing number S500 (attached). Refer to revision cloud 9 for specific changes.

**END OF DOCUMENT**



**ROOF CONCRETE PLAN** ②  
SCALE: 1/16" = 1'-0"

## KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

- 3.034 CAST-IN-PLACE CONCRETE: ELEVATED TOPPING SLAB; REFER TO STRUCTURAL DRAWINGS; ADHERE ROOF INSULATION TO ROOF DECK IN THIS AREA.
- 4.720 CAST STONE MASONRY: COPING; SIZE AND CONFIGURATION AS INDICATED; PROVIDE CAST DRIP AT ALL OVERHANG EDGES. SLOPE TOP TO DRAIN WATER AS SHOWN. RAKE OUT MORTAR AND PROVIDE BOND BREAKER AND JOINT SEALANT AT ALL HEAD JOINTS.
- 5.061 METAL FABRICATION: STEEL GUARD RAIL ASSEMBLY; 1-1/2" NOM. DIA. STEEL PIPE POSTS AND TOP RAIL AND MID RAIL; GALVANIZED; REFER TO SPECIFICATIONS.
- 7.530 ELASTOMERIC MEMBRANE ROOFING SYSTEM; FULLY ADHERED.
- 7.535 ELASTOMERIC MEMBRANE ROOFING MATERIAL: ROOF INSULATION; TAPERED; 1/2" PER FOOT SLOPE U.N.O.
- 7.590 ROOFING ACCESSORY: RUBBER WALKWAY PADS.
- 7.596 ROOFING ASSEMBLY: FLASH SCREEN WALL POST THROUGH ROOF IN ACCORDANCE WITH ROOFING MANUFACTURER'S INSTRUCTIONS AND WITH NRCA LOW SLOPE ROOFING DETAIL EPDM-11 OR DETAIL EPDM-19.
- 7.620 METAL COPING FLASHING: THICKNESS AND FINISH AS SPECIFIED.
- 7.623 METAL ROOF EDGE FLASHING: MATERIAL, THICKNESS AND FINISH AS SPECIFIED.
- 7.625 OVERFLOW SCUPPER: 8"W X 6"H; CONSTRUCT IN ACCORDANCE WITH SMACNA ARCHITECTURAL SHEET METAL MANUAL FIGURE 1-30.
- 7.626 SCUPPER THROUGH WALL: 8"W X 8"H; CONSTRUCT IN ACCORDANCE WITH SMACNA ARCHITECTURAL SHEET METAL MANUAL FIGURE 1-26.
- 7.627 CONDUCTOR HEAD; CONSTRUCT IN ACCORDANCE WITH SMACNA ARCHITECTURAL SHEET METAL MANUAL FIGURE 1-25F.
- 7.632 METAL DOWNSPOUT: MATERIAL, THICKNESS AND FINISH AS SPECIFIED.
- 7.635 METAL DOWNSPOUT ACCESSORY: PRECAST CONCRETE SPLASH PAD.
- 7.711 ROOF SPECIALTY: SINGLE PORT ROOF PORTAL WITH RUBBER BOOT AND CLAMPING RING.
- 7.712 ROOF SPECIALTY: MULTIPLE PORT ROOF PORTAL WITH RUBBER BOOT AND CLAMPING RING.
- 7.720 ROOF SPECIALTY: PREFABRICATED EQUIPMENT RAIL; WITH 2X WOOD NAILER AND 20 GA. GALVANIZED SHEET STEEL CAP; 3/8" WIDTH X LENGTH PER EQUIPMENT REQUIREMENTS.
- 9.911 EXTERIOR PAINTING: ONE PRIME COAT AND TWO TOPCOATS ENAMEL PAINT ON ALL ROOF GAS PIPING AND VALVING - SAFETY YELLOW COLOR.
- 9.912 EXTERIOR PAINTING: ONE PRIME COAT AND TWO TOPCOATS ENAMEL PAINT ON GUARD RAIL; COLOR AS SELECTED BY OWNER.
- 10.732 METAL CANOPY: PREFINISHED WITH SUPPORT ROOFS. REFER TO SPECIFICATIONS.
- 10.734 METAL CANOPY ACCESSORY: SCUPPER OPENING FOR DRAINAGE AT SPACING LOCATIONS SHOWN ON THE ROOF PLAN.
- 22.110 PLUMBING PIPING SPECIALTY: ROOF DRAIN; REFER TO PLUMBING DRAWINGS.
- 22.111 PLUMBING PIPING SPECIALTY: OVERFLOW DRAIN; REFER TO PLUMBING DRAWINGS.
- 23.301 MECHANICAL EQUIPMENT: REFER TO MECHANICAL DRAWINGS.
- 23.302 MECHANICAL EQUIPMENT: EXHAUST HOOD; REFER TO MECHANICAL DRAWINGS.
- 23.510 MECHANICAL EQUIPMENT CHIMNEY: PREFABRICATED; REFER TO MECHANICAL DRAWINGS.
- 23.740 MECHANICAL ROOFTOP UNIT: REFER TO MECHANICAL DRAWINGS; COORDINATE STEEL SUPPORT WITH MANUFACTURER; MAX. WEIGHT TO BE AS NOTED IN M.E.P. SCHEDULES.
- 23.741 MECHANICAL ROOFTOP UNIT ACCESSORY: PREFABRICATED INSULATED ROOF CURB.

## ROOF PLAN LEGEND

- 7.530 (ALL ROOF AREAS)
- 7.535
- DIRECTION OF WATER FLOW:  
1/4" / FT. (MIN.) UNLESS NOTED OTHERWISE
- 22.110
- 7.590
- 7.625

## GENERAL NOTES

- REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
- REFER TO A700 SERIES DRAWINGS FOR COORDINATION OF HORIZONTAL LOCATIONS OF OVERFLOW SCUPPERS.
- PROVIDE PREFABRICATED CURBS AND RAILS FOR MECHANICAL UNITS AND DUCTWORK SHOWN ON THIS DRAWING AND ON MECHANICAL DRAWINGS. COORDINATE TYPE WITH ROOFING ACCESSORY AND MECHANICAL EQUIPMENT SPECIFICATIONS.
- ROOFING CONTRACTOR PROVIDE BOOTED ROOF PORTALS FOR ELECTRICAL CONDUIT, REFRIGERATION PIPING, GAS PIPING, CONDENSATE PIPING, AND HYDRONIC PIPING OUTSIDE ROOF CURBS TO MECHANICAL UNITS AND REMOTE CONDENSER UNITS. COORDINATE WITH MECHANICAL DRAWINGS.
- ROOFING CONTRACTOR TO PROVIDE STACK BOOTS ON MECHANICAL AND PLUMBING VENTS.
- PAINTING CONTRACTOR TO PRIME AND TWO COAT ENAMEL PAINT ON ALL EXPOSED GAS PIPING; SAFETY YELLOW FOR HORIZONTAL RUNS ON ROOFTOP.

**ROOF PLAN** ①  
SCALE: 1/16" = 1'-0"



KEYNOTES

- 1.410 30" X 48" CLEAR FLOOR SPACE FOR WHEELCHAIR.
- 1.415 DETECTABLE WARNING: 3'-0" LONG X WIDTH OF STAIRWAY. PORCELAIN TILE CUT TO 1 INCH STRIPS TO FORM DETECTABLE WARNING.
- 3.030 CAST-IN-PLACE CONCRETE: REFER TO STRUCTURAL DRAWINGS.
- 4.181 MASONRY ANCHORAGE AND REINFORCEMENT: CONTINUOUS JOINT REINFORCEMENT; CAVITY WALL; WITH ADJUSTABLE WALL TIES; 16" O.C. VERTICAL SPACING.
- 4.188 MASONRY ANCHORAGE AND REINFORCEMENT: ANCHOR BOLT; 1/2" DIA. X 12" LONG; HOOKED; 6'-0" O.C. (MAX); PROVIDE A MINIMUM OF 2 IN EACH BLOCKING PIECE.
- 4.191 MASONRY ACCESSORY: THROUGH-WALL FLASHING; RUBBERIZED ASPHALT SHEET WITH STAINLESS STEEL DRIP EDGE. HOLD BACK RUBBERIZED ASPHALT SHEET AT LEAST 1 INCH FROM EXTERIOR FACE OF WALL.
- 4.193 MASONRY ACCESSORY: WEEP VENT.
- 4.194 MASONRY ACCESSORY: MORTAR DROPPING CONTROL DEVICE.
- 4.210 BRICK MASONRY VENEER: MODULAR; RUNNING BOND; REFER TO SPECIFICATIONS.
- 4.308 CONCRETE BLOCK MASONRY: 8" (NOM) THK.; RUNNING BOND.
- 4.801 MASONRY ASSEMBLY: CONTINUOUS BOND BEAM WITH REINFORCING AND GROUT. PROVIDE (2)-#4 BARS U.O. COORDINATE ELEVATION WITH BEARING CONDITIONS AND ADJACENT WALL CONSTRUCTION; BOND BEAM LENGTH TO BE DISTANCE BETWEEN CONTROL JOINTS.
- 4.812 MASONRY ASSEMBLY: CONCRETE MASONRY CONTROL JOINT.
- 4.813 MASONRY ASSEMBLY: BRICK MASONRY EXPANSION JOINT (TYPICAL).
- 5.060 METAL FABRICATION: STEEL GUARD RAIL ASSEMBLY; 1-1/2" NOM. DIA. STEEL PIPE POSTS, TOP RAIL AND BOTTOM RAIL; 3/4" DIA. BAR PICKETS AT 4.5' O.C.; REFER TO SPECIFICATIONS.
- 5.070 METAL FABRICATION: STEEL HANDRAIL ASSEMBLY; 1 1/4" NOM. DIA. STEEL PIPE W/WALL BRACKETS OR FLOOR SUPPORTS @ 4'-0" O.C. MAX.
- 5.071 METAL FABRICATION: STEEL STAIR PAN; CONCRETE FILLED.
- 5.073 GLAZED DECORATIVE METAL RAILING SYSTEM COMPONENT: STAINLESS STEEL STANDOFFS DRILLED AND TAPPED TO STEEL TUBES. REFER TO SPECIFICATIONS.
- 5.074 GLAZED DECORATIVE METAL RAILING SYSTEM COMPONENT: STAINLESS STEEL HANDRAIL WITH VERTICAL SUPPORT POSTS SPACED AS INDICATED; WELD POSTS INTO PLAIN STEEL SLEEVES; WELD SLEEVES TO CHANNELS SPANNING BETWEEN STRINGERS BENEATH TREADS AT EACH POST LOCATION PRIOR TO CONCRETE BEING POURED FOR STAIR TREADS.
- 5.075 GLAZED DECORATIVE METAL RAILING SYSTEM COMPONENT: STAINLESS STEEL HANDRAIL WALL OR GLASS MOUNTED. REFER TO SPECIFICATIONS.
- 5.092 METAL FABRICATION: 1/4" THICK STEEL PLATE; SIZE TO FIT OPENING BETWEEN STAIR STRINGER AND BACK OF STOREFRONT FRAMING WITH GAPS OF NO MORE THAN 1/2" BETWEEN EDGE OF PLATE AND ADJACENT MASONRY OR STOREFRONT FRAMING; WELD TO UNDERSIDE OF TOP FLANGE OF STAIR STRINGER CHANNEL.
- 5.097 METAL FABRICATION: STEEL BOLLARD; 6" O.D.; CONCRETE FILLED. INSTALL 42 INCHES BELOW GRADE IN 16" DIA. CONCRETE PIER AND 34 INCHES ABOVE FINISHED GRADE. PRIME AND TWO COATS ENAMEL PAINT.
- 6.001 WOOD BLOCKING: DIMENSIONAL LUMBER; SIZE AS INDICATED; REFER TO SCHEDULE FOR TREATMENT.
- 7.620 METAL COPING FLASHING: THICKNESS AND FINISH AS SPECIFIED.
- 7.910 PREFORMED JOINT SEALER: REFER TO SPECIFICATIONS.
- 7.920 JOINT SEALANT: REFER TO SCHEDULE IN SPECIFICATION SECTION 07 92 00; PROVIDE BACKER ROD OR BOND BREAKER.
- 32.201 CAST-IN-PLACE CONCRETE: DUMPSTER PAD. PROVIDE  $f_c$  OF 4,500 PSI, 6X 8X 6 INCHES THICK WITH 6 X 6X W2.9 X W2.9 W.W.F. OVER 6 INCHES OF CRUSHED AND COMPACTED LIMESTONE BASE.
- 32.313 DECORATIVE METAL LOUVERED FENCING PANEL TO MATCH SWINGING GATES. 6 FEET HIGH WITH 6 X 6 POSTS SET INTO CONCRETE PIER MIN. 42 INCHES DEEP SPACED 7 FEET O.C. CENTER POSTS ADJACENT TO SCREENWALL 6" FROM FACE OF SCREENWALL FOUNDATION; REFER TO SPECIFICATIONS.
- 32.314 DECORATIVE METAL SWINGING LOUVERED GATES WITH GATE POSTS AND THROBOLT LATCHING SET INTO CONCRETE SLAB; GATE OPENING (2) 4'-3" WIDE GATES. TOTAL CLEAR OPENING WIDTH 9'-0"; REFER TO SPECIFICATIONS.
- 32.315 DECORATIVE METAL GATE POST: 6 X 6 FACTORY FINISHED TO MATCH GATE COLOR; CONCRETE CAST INTO GROUND MIN. 42 INCHES DEEP.

GENERAL NOTES

1. REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
2. COORDINATE FIRE RATED ASSEMBLIES INFORMATION CONTAINED ON DRAWING G301 & G302 WITH THE WORK OF ALL CONTRACTS.
3. IN METAL STUD/GYPSUM BOARD PARTITIONS AND WALLS, PROVIDE 2X FIRE RETARDANT TREATED WOOD BLOCKING FOR WALL-MOUNTED & CEILING-MOUNTED ITEMS REQUIRING MECHANICAL ANCHORAGE.

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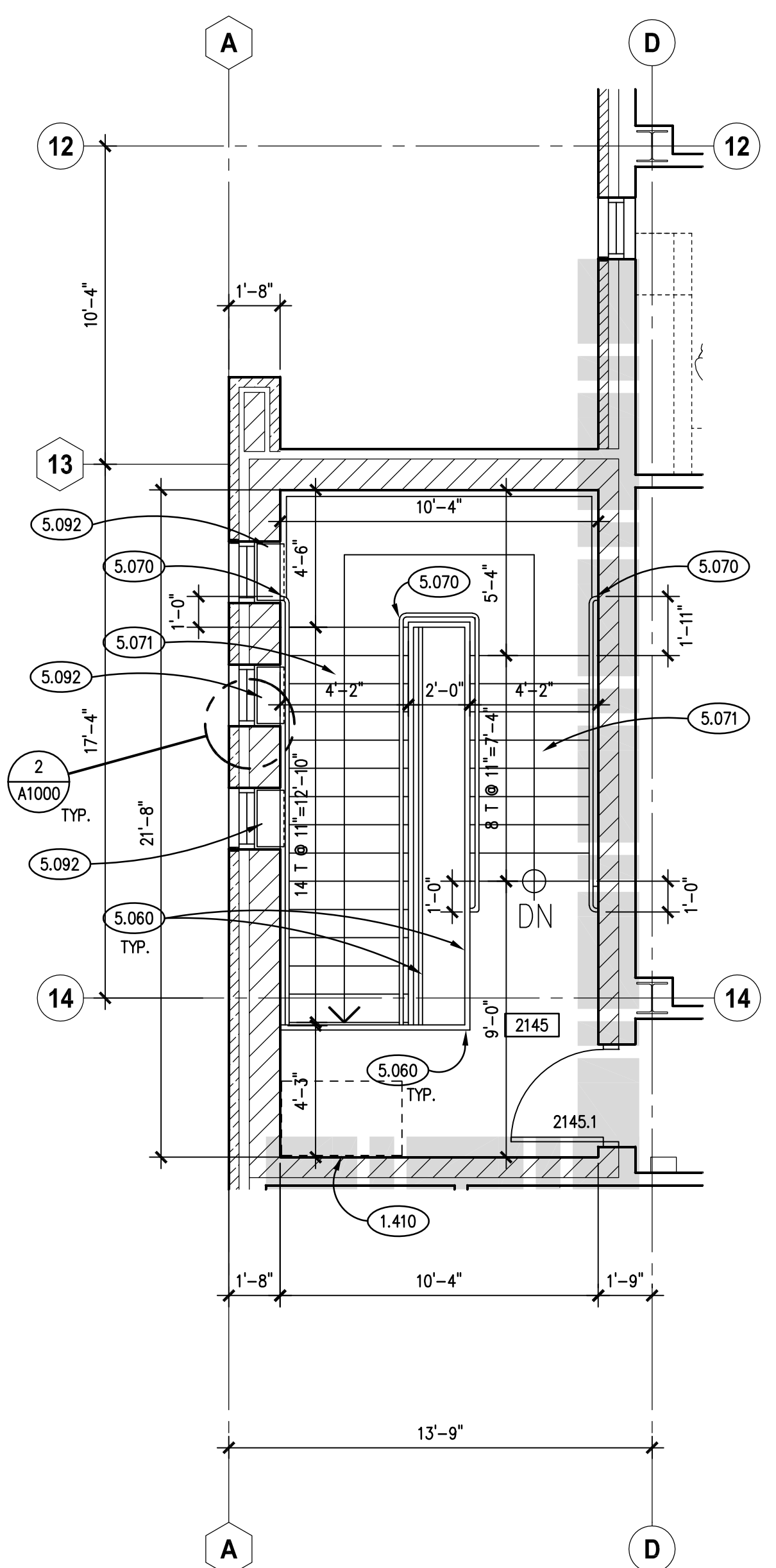
**WILL COUNTY HEALTH DEPARTMENT**  
THE COUNTY OF WILL  
501 ELLA AVENUE  
JOLIET, IL 60433

ISSUED		JOB NO.	
1	10/11/18 B.P.#1 - ADDENDUM #1	17-401-1124	HMA
2	10/11/18 B.P.#1 - ADDENDUM #1		CDH
3	10/23/18 B.P.#2 - MISC. ST./L. STRUCT. ENCL.		CJH
4	10/23/18 B.P.#2 - MISC. ST./L. STRUCT. ENCL.		
5	10/23/18 B.P.#2 - MISC. ST./L. STRUCT. ENCL.		
6	10/23/18 B.P.#2 - MISC. ST./L. STRUCT. ENCL.		
7	10/23/18 B.P.#2 - ADDENDUM #2		
8	11/09/18 B.P.#2 - ADDENDUM #2		
9	11/12/18 B.P.#2 - ADDENDUM #5		

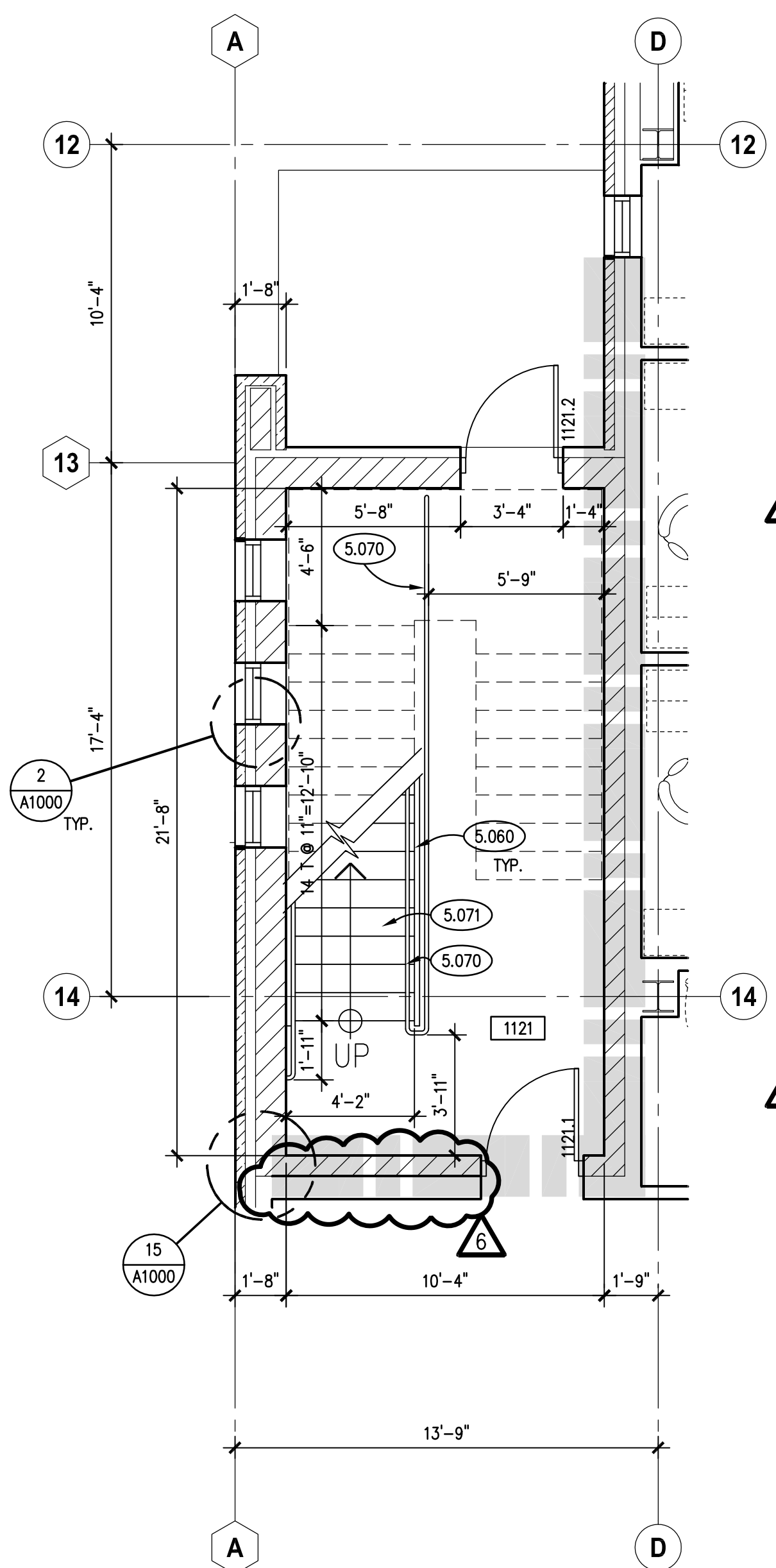
ENLARGED PLANS

SHEET NUMBER

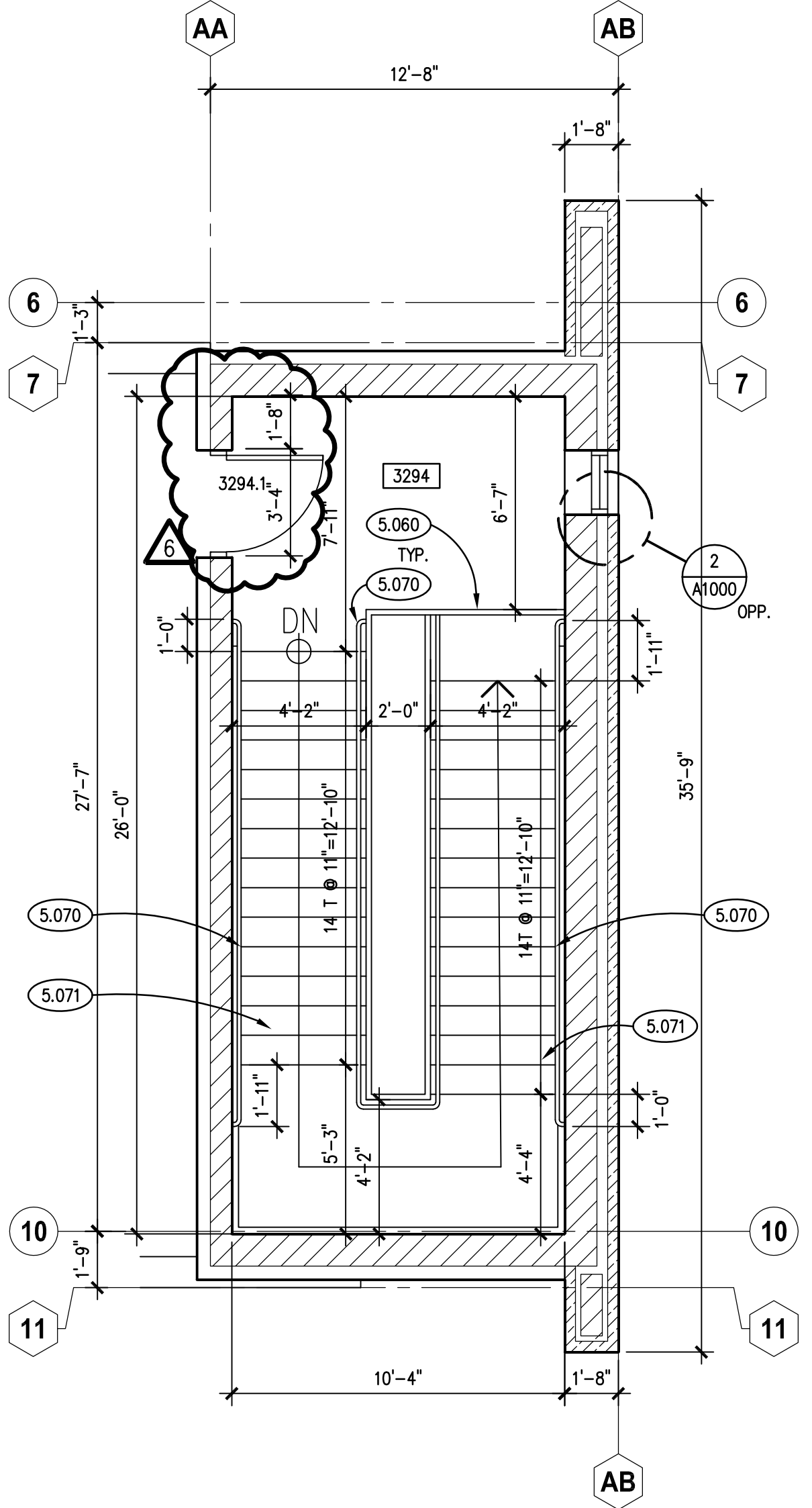
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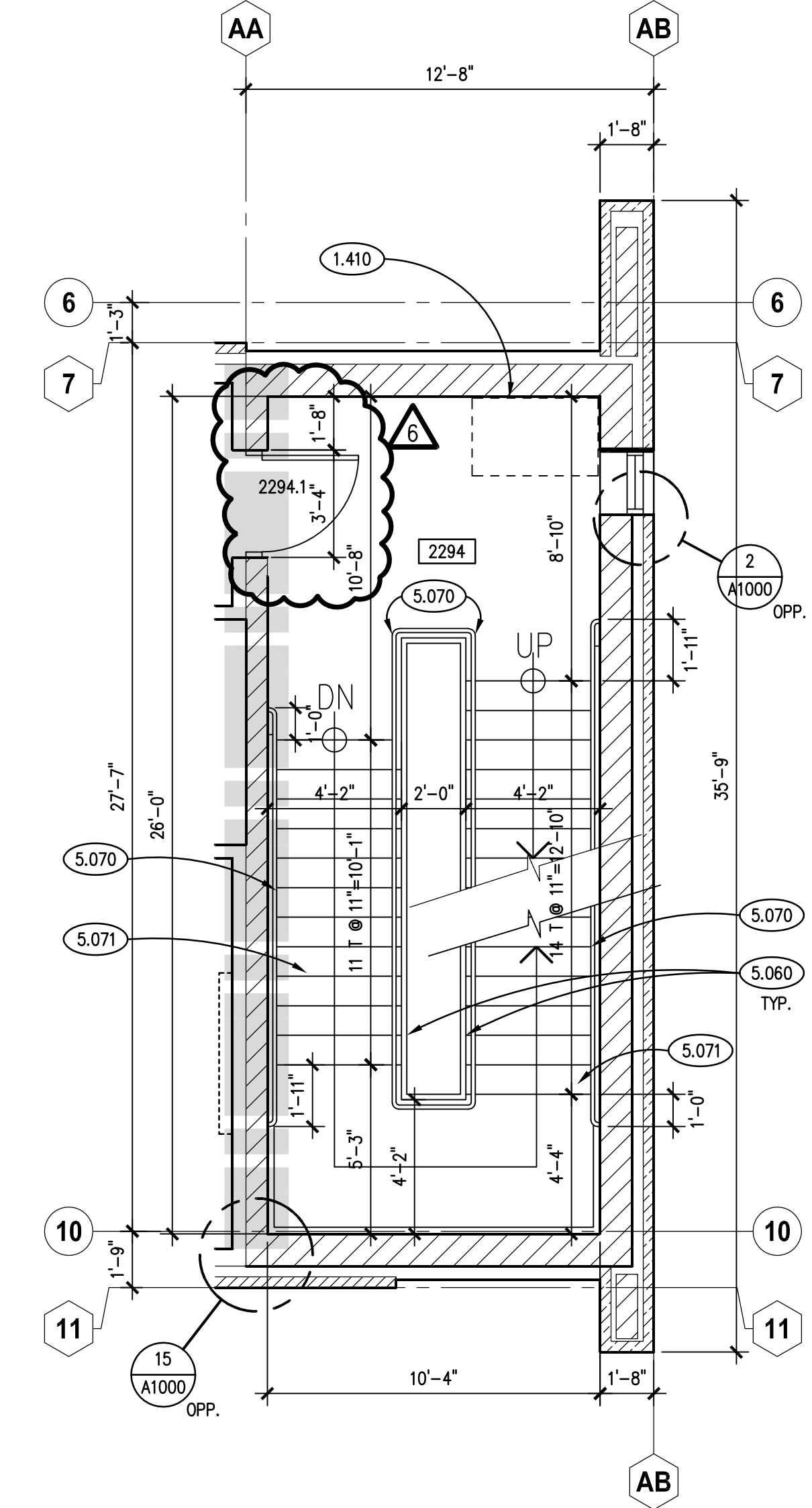
**WEST STAIR - SECOND FLOOR**  
SCALE: 1/4" = 1'-0"



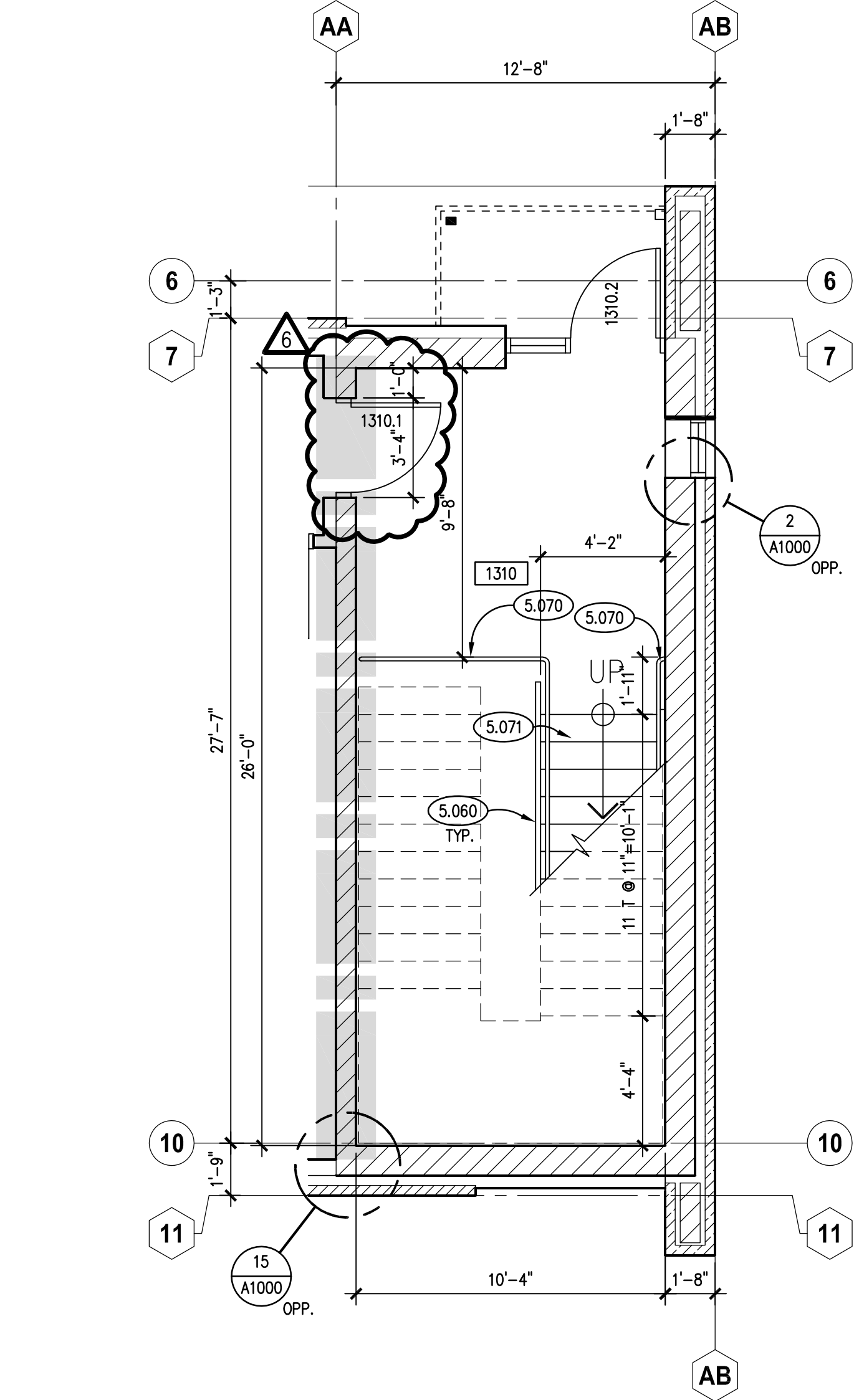
**WEST STAIR - FIRST FLOOR**  
SCALE: 1/4" = 1'-0"



**EAST STAIR - ROOF LEVEL**  
SCALE: 1/4" = 1'-0"

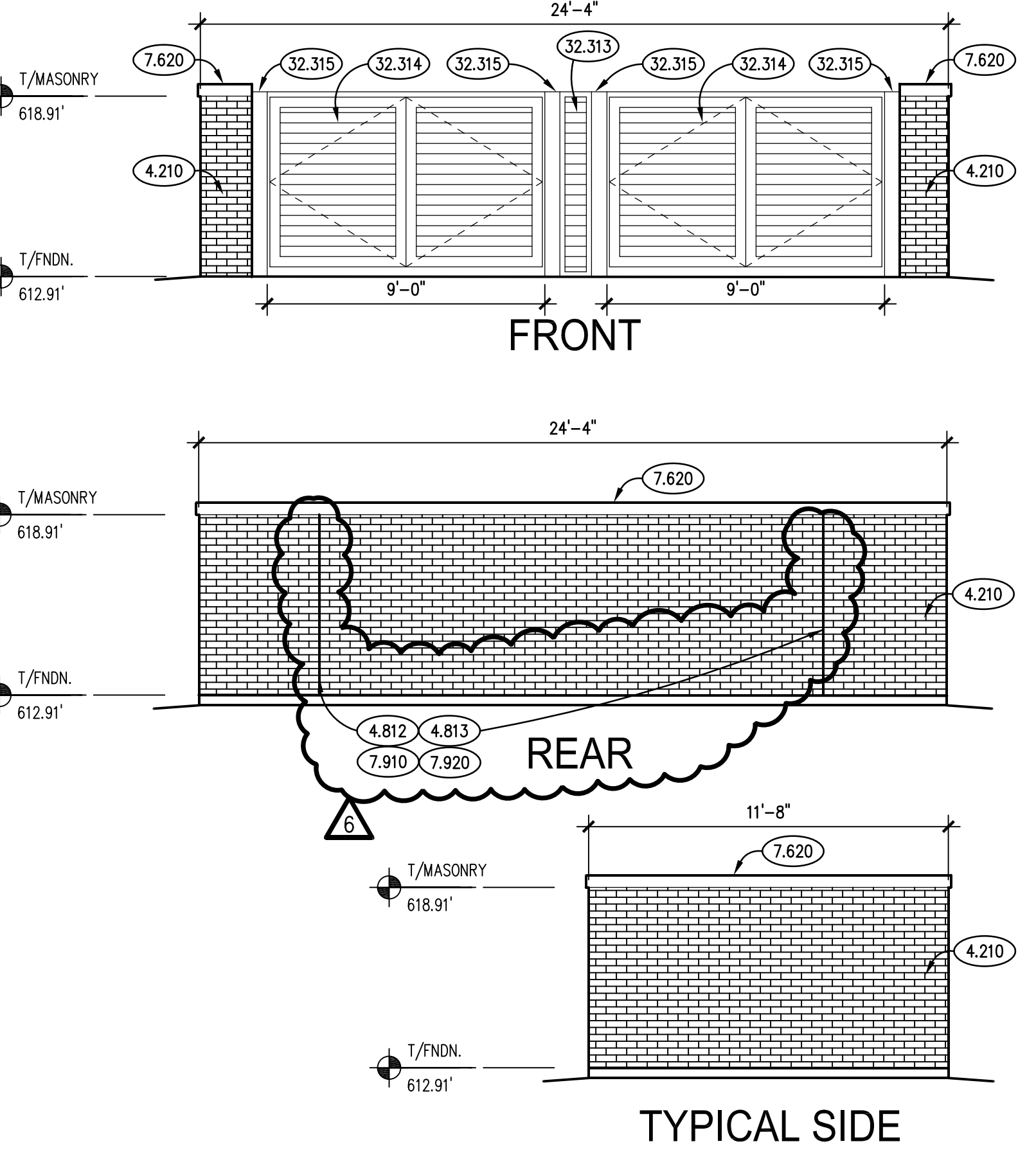


**EAST STAIR - SECOND FLOOR**  
SCALE: 1/4" = 1'-0"

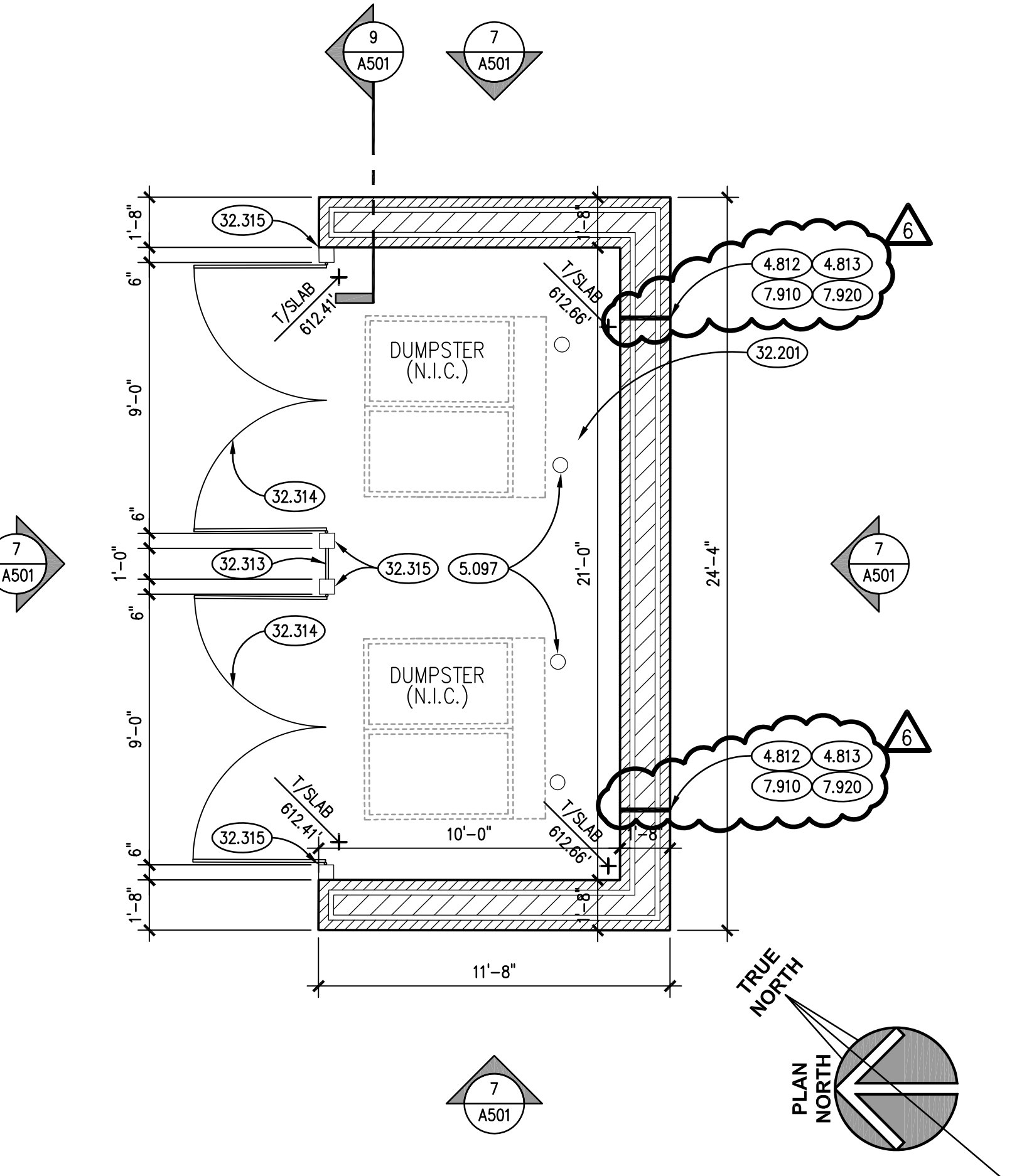


**EAST STAIR - FIRST FLOOR**  
SCALE: 1/4" = 1'-0"

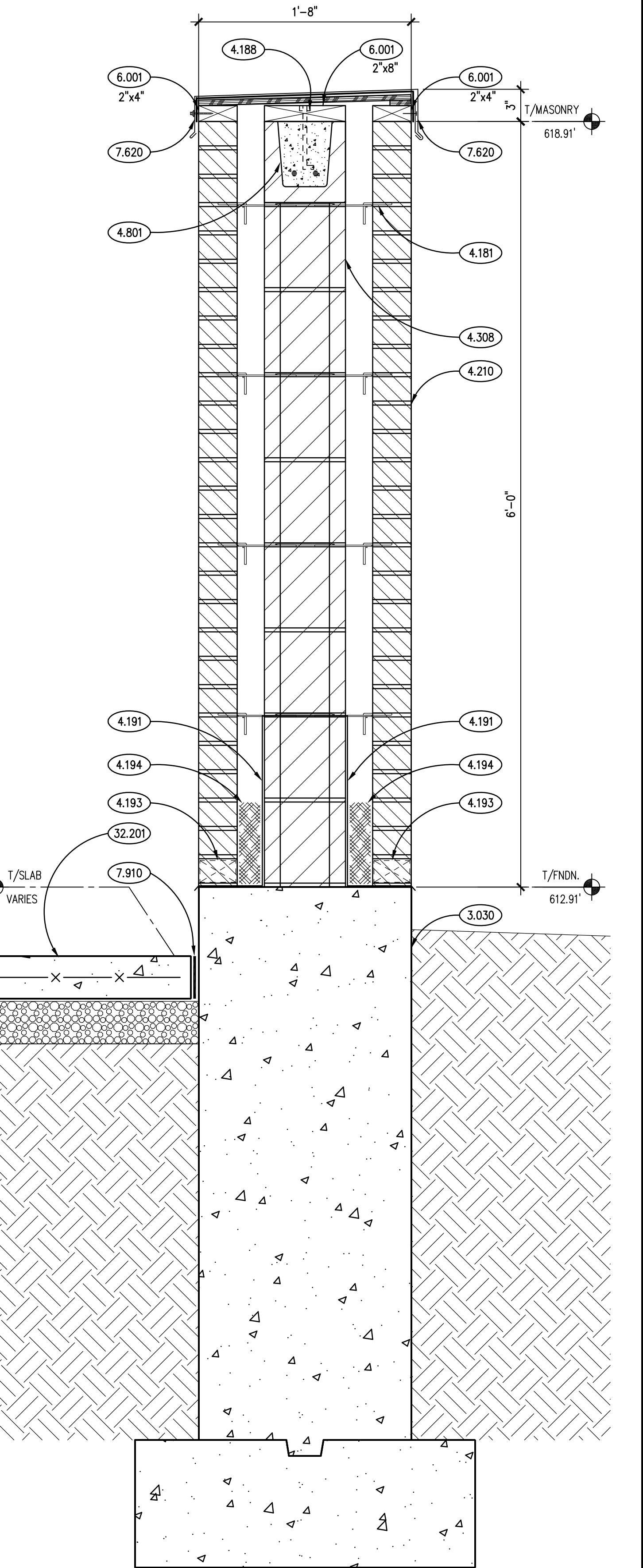
**ENLARGED PLAN DETAIL - INTERIOR STAIR**  
SCALE: 1/4" = 1'-0"



**TRASH ENCLOSURE ELEVATIONS**  
SCALE: 1/4" = 1'-0"



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

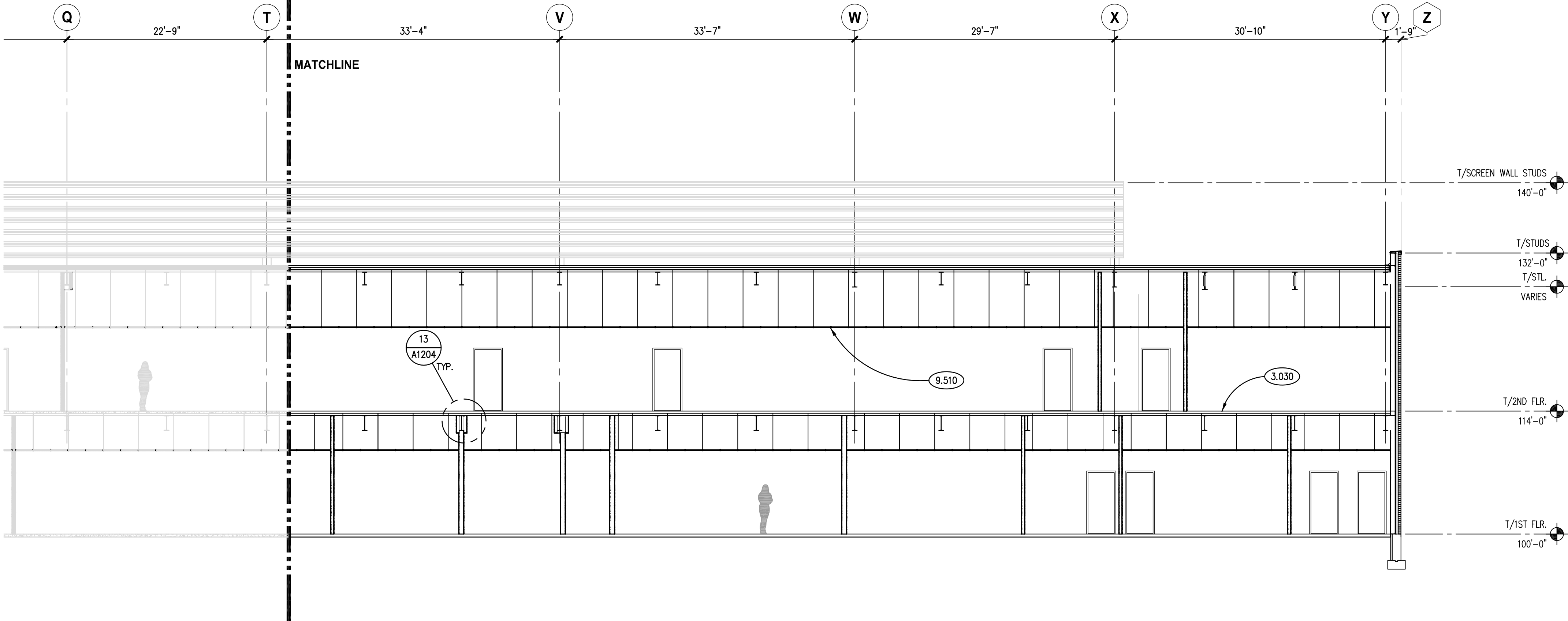


**TRASH ENCLOSURE WALL SECTION**  
SCALE: 1-1/2" = 1'-0"

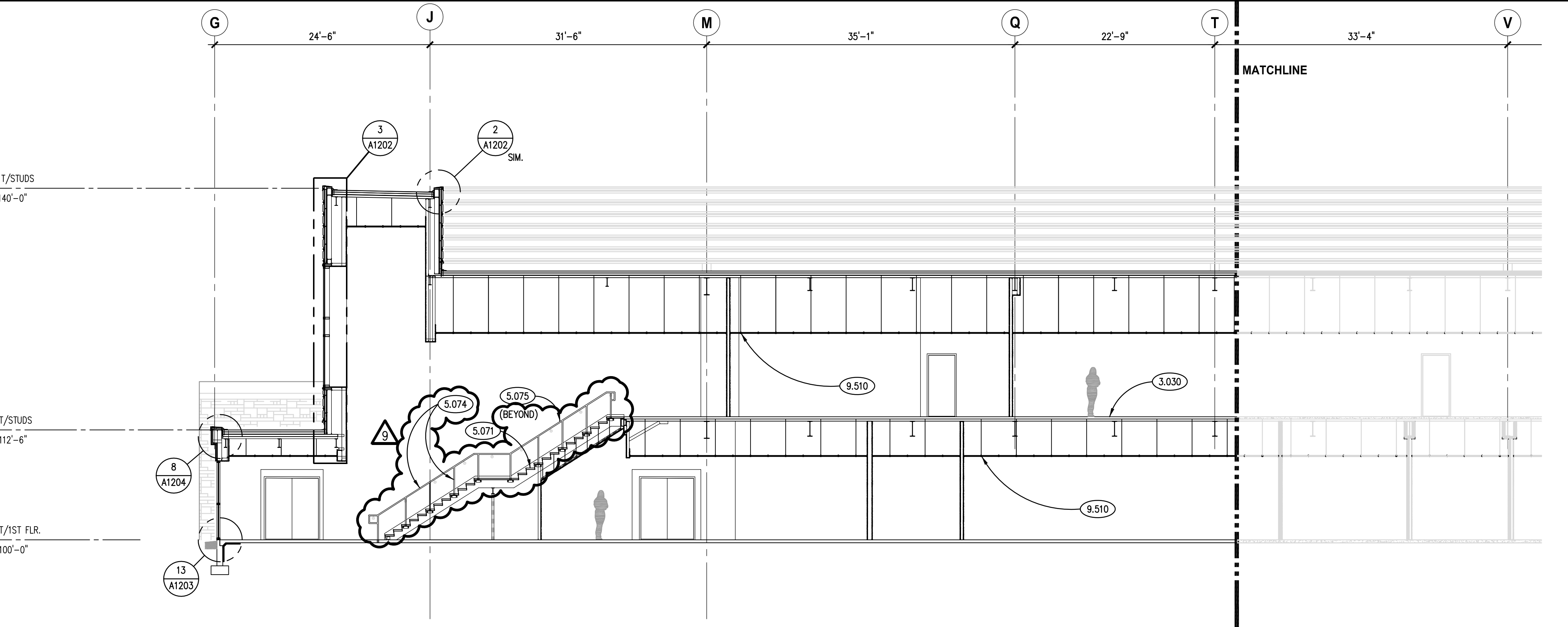
KEYNOTES

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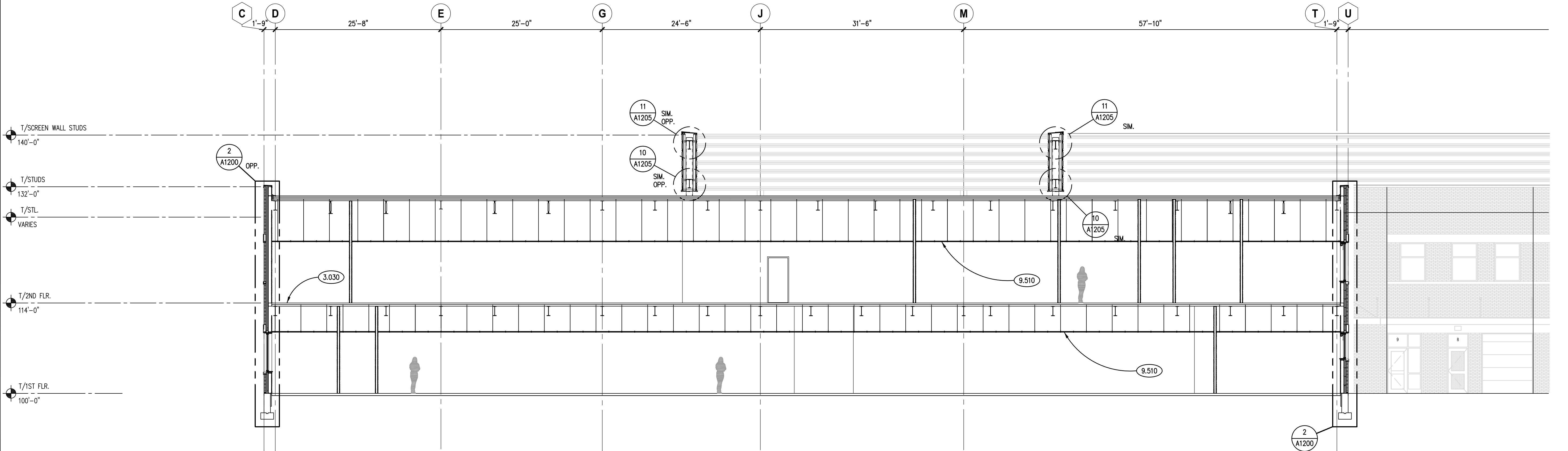
- 3.030 CAST-IN-PLACE CONCRETE: REFER TO STRUCTURAL DRAWINGS.
- 5.071 METAL FABRICATION: STEEL STAIR PAN; CONCRETE FILLED.
- 5.074 GLAZED DECORATIVE METAL RAILING SYSTEM COMPONENT: STAINLESS STEEL HANDRAIL WITH VERTICAL SUPPORT POSTS SPACED AS INDICATED; WELD POSTS INTO PLAIN STEEL SLEEVES; WELD SLEEVES TO CHANNELS SPANNING BETWEEN STRINGERS BENEATH TREADS AT EACH POST LOCATION PRIOR TO CONCRETE BEING POURED FOR STAIR TREADS.
- 5.075 GLAZED DECORATIVE METAL RAILING SYSTEM COMPONENT: STAINLESS STEEL HANDRAIL WALL OR GLASS MOUNTED. REFER TO SPECIFICATIONS.
- 9.510 ACOUSTICAL CEILING PANELS AND GRID. REFER TO A900 SERIES DRAWINGS AND SPECIFICATIONS.



**BUILDING SECTION 2B**  
SCALE: 1/8" = 1'-0"



**BUILDING SECTION 2A**  
SCALE: 1/8" = 1'-0"



**BUILDING SECTION 1**  
SCALE: 1/8" = 1'-0"

GENERAL NOTES

- REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
- COORDINATE FIRE RATED ASSEMBLIES INFORMATION CONTAINED ON DRAWING G301 & G302 WITH THE WORK OF ALL CONTRACTS.
- APPLY FIREPROOFING TO STRUCTURAL STEEL COLUMNS AND BEAMS SUPPORTING FIRE RESISTANCE RATED ASSEMBLIES. COORDINATE WITH FIREPROOFING SCHEDULE AND STRUCTURAL STEEL DRAWINGS.
- IN METAL STUD/GYPSUM BOARD PARTITIONS AND WALLS, PROVIDE 2X FIRE RETARDANT TREATED WOOD BLOCKING FOR WALL-MOUNTED & CEILING-MOUNTED ITEMS REQUIRING MECHANICAL ANCHORAGE.

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2	10/11/18 B.P. #1 - ADDENDUM #2		
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4	10/23/18 B.P. #2 - MISC. STL. STRUCT./ENCL.		
5	10/23/18 B.P. #2 - MISC. STL. STRUCT./ENCL.		
6	10/23/18 B.P. #2 - MISC. STL. STRUCT./ENCL.		
7	11/02/18 B.P. #2 - ADDENDUM #1		
8	11/02/18 B.P. #2 - ADDENDUM #2		
9	11/12/18 B.P. #2 - ADDENDUM #3		
DRAWN		HMA	
CHECKED		CDH	
APPROVED		CJH	
SHEET TITLE			
BUILDING SECTIONS			
SHEET NUMBER			

**A600**



## KEYNOTES

KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.

- 4.180 MASONRY ANCHORAGE AND REINFORCEMENT: CONTINUOUS JOINT REINFORCEMENT; SINGLE WYTHE; 16" O.C. VERTICAL SPACING.
- 4.181 MASONRY ANCHORAGE AND REINFORCEMENT: CONTINUOUS JOINT REINFORCEMENT; CAVITY WALL; WITH ADJUSTABLE WALL TIES; 16" O.C. VERTICAL SPACING.
- 4.182 MASONRY ANCHORAGE AND REINFORCEMENT: FLEXIBLE MASONRY ANCHOR; FOR ATTACHMENT TO STRUCTURAL STEEL MEMBERS.
- 4.183 MASONRY ANCHORAGE AND REINFORCEMENT: MASONRY VENEER ANCHOR; FOR ATTACHMENT TO COLD-FORMED METAL STUDS.
- 4.186 MASONRY ANCHORAGE AND REINFORCEMENT: CORRUGATED STRAP WALL TIE.
- 4.195 MASONRY ACCESSORY: CAVITY WALL INSULATION; 3" THK. EXTRUDED POLYSTYRENE (XPS) U.N.O.; MIN. R-5.4 PER INCH THICKNESS.
- 4.210 BRICK MASONRY VENEER: MODULAR; RUNNING BOND; REFER TO SPECIFICATIONS.
- 4.308 CONCRETE BLOCK MASONRY: 8" (NOM.) THK.; RUNNING BOND.
- 4.309 CONCRETE BLOCK MASONRY: 8" (NOM.) THK.; SOLID.
- 4.312 CONCRETE BLOCK MASONRY: 12" (NOM.) THK.; RUNNING BOND.
- 4.430 STONE MASONRY VENEER: REFER TO ARCHITECTURAL ELEVATION/SECTION DRAWINGS FOR COURSE AND TYPE.
- 4.721 CAST STONE MASONRY: SILL COURSE; SIZE AND CONFIGURATION AS INDICATED; PROVIDE CAST DRIP AT ALL OVERHANG EDGES. SLOPE TOP TO DRAIN AS SHOWN. RAKE OUT MORTAR AND PROVIDE BOND BREAKER AND JOINT SEALANT AT ALL HEAD JOINTS.
- 5.010 STRUCTURAL STEEL: FRAMING MEMBER; REFER TO STRUCTURAL DRAWINGS.
- 5.042 COLD-FORMED METAL FRAMING: 2" Z-FURRING; HORIZONTALLY @ 24" O.C.
- 5.043 COLD-FORMED METAL FRAMING: 3" Z-FURRING; HORIZONTALLY @ 24" O.C.
- 5.044 COLD-FORMED METAL FRAMING: 4" STUD; REFER TO STRUCTURAL DRAWINGS.
- 5.046 COLD-FORMED METAL FRAMING: 6" STUD; REFER TO STRUCTURAL DRAWINGS.
- 6.001 WOOD BLOCKING: DIMENSIONAL LUMBER; SIZE AS INDICATED; REFER TO SCHEDULE FOR TREATMENT.
- 6.002 WOOD BLOCKING: DIMENSIONAL LUMBER; SIZE AS REQUIRED; REFER TO SCHEDULE FOR TREATMENT.
- 6.006 PLYWOOD: 1/2" THICK; REFER TO SPECIFICATIONS FOR TREATMENT.
- 6.007 PLYWOOD: 3/4" THICK; REFER TO SPECIFICATIONS FOR TREATMENT.
- 7.210 INSULATION: BOARD; EXTRUDED POLYSTYRENE (XPS); MIN. R-5.4 PER INCH THICKNESS; 2" THICKNESS UNLESS INDICATED OTHERWISE.
- 7.214 INSULATION: MINERAL FIBER BOARD; MIN. R-4.2 PER INCH THICKNESS; 2" THICKNESS UNLESS INDICATED OTHERWISE.
- 7.219 FOAMED-IN-PLACE INSULATION: THICKNESS AS REQUIRED TO ACHIEVE A MINIMUM THERMAL RESISTANCE OF R-21 (UNLESS NOTED OTHERWISE); APPLY INTUMESCENT COATING TO ALL SURFACES NOT SEPARATED FROM THE BUILDING INTERIOR BY GYPSUM WALLBOARD.
- 7.251 WEATHER BARRIER COATING: SPRAY-APPLIED; REFER TO SPECIFICATIONS.
- 7.420 METAL WALL PANEL SYSTEM: PREFINISHED WITH CONCEALED FASTENERS. REFER TO SPECIFICATIONS.
- 7.421 METAL WALL PANEL SYSTEM COMPONENT: METAL WALL PANEL; PREFINISHED STEEL; REFER TO SPECIFICATIONS.
- 7.422 METAL WALL PANEL SYSTEM COMPONENT: SUBGRID.
- 7.423 METAL WALL PANEL SYSTEM COMPONENT: PANEL ATTACHMENT CLIP.
- 7.424 METAL WALL PANEL SYSTEM COMPONENT: SUPPLEMENTARY SUPPORT CLIP.
- 7.426 METAL WALL PANEL SYSTEM ACCESSORY: PREFINISHED EXTRUDED ALUMINUM HEAD/JAMB TRIM.
- 7.429 METAL WALL PANEL SYSTEM ACCESSORY: METAL-CLAD COMPOSITION CLOSURE; INSTALL IN CONTINUOUS BEAD OF NON-CURING BUTYL SEALANT.
- 7.430 METAL COMPOSITE PANEL SYSTEM: PREFINISHED WITH CONCEALED FASTENERS. REFER TO SPECIFICATIONS.
- 7.841 FIRESTOPPING: SEALANT; REFER TO SPECIFICATIONS.
- 7.920 JOINT SEALANT: REFER TO SCHEDULE IN SPECIFICATION SECTION 07 92 00; PROVIDE BACKER ROD OR BOND BREAKER.
- 8.110 STEEL DOOR FRAME: REFER TO DOOR, FRAME AND BORROWED LIGHT SCHEDULE.
- 8.422 AUTOMATIC ENTRANCE: POWERED SLIDING DOOR SYSTEM WITH BREAKAWAY FUNCTION.
- 8.430 ALUMINUM STOREFRONT FRAMING.
- 8.437 ALUMINUM STOREFRONT ACCESSORY: 0.032" SHEET ALUMINUM HEAD/JAMB FLASHING; FINISH TO MATCH STOREFRONT FRAMING.
- 9.209 GYPSUM BOARD: 5/8" THK.; EXTERIOR GRADE, GLASS MATT FACED.
- 9.210 GYPSUM BOARD: 5/8" THICK; TYPE "X".
- 9.215 GYPSUM BOARD ACCESSORY: ACOUSTICAL INSULATION: SOUND ATTENUATION BATTS; THICKNESS AS SPECIFIED.
- 9.216 GYPSUM BOARD ACCESSORY: CONTROL JOINT.
- 9.217 GYPSUM BOARD ACCESSORY: CORNER BEAD.
- 9.219 GYPSUM BOARD ACCESSORY: EDGE TRIM; 1" PROFILE.
- 9.221 METAL STUD FRAMING: 1-5/8" STUD; 16" O.C. SPACING; 20 GAUGE UNLESS NOTED OTHERWISE; ANCHORAGE TO SUIT APPLICATION.
- 9.223 METAL STUD FRAMING: 3-5/8" STUD; 16" O.C. SPACING; 20 GAUGE UNLESS NOTED OTHERWISE; ANCHORAGE TO SUIT APPLICATION.
- 12.368 SLOD SURFACE WINDOW SILL: 3/4" EDGE THICKNESS WITH 1 1/2" PROJECTION; 3/8" RADIUS TOP EDGE, AND 1/2" THICK X 2" HIGH APRON BENEATH, U.N.O.
- 22.101 PLUMBING PIPING: ROOF DRAIN DOWNCOMER; REFER TO PLUMBING DRAWINGS.
- 22.112 PLUMBING PIPING SPECIALTY: DOWNSPOUT NOZZLE; REFER TO PLUMBING DRAWINGS.

## GENERAL NOTES

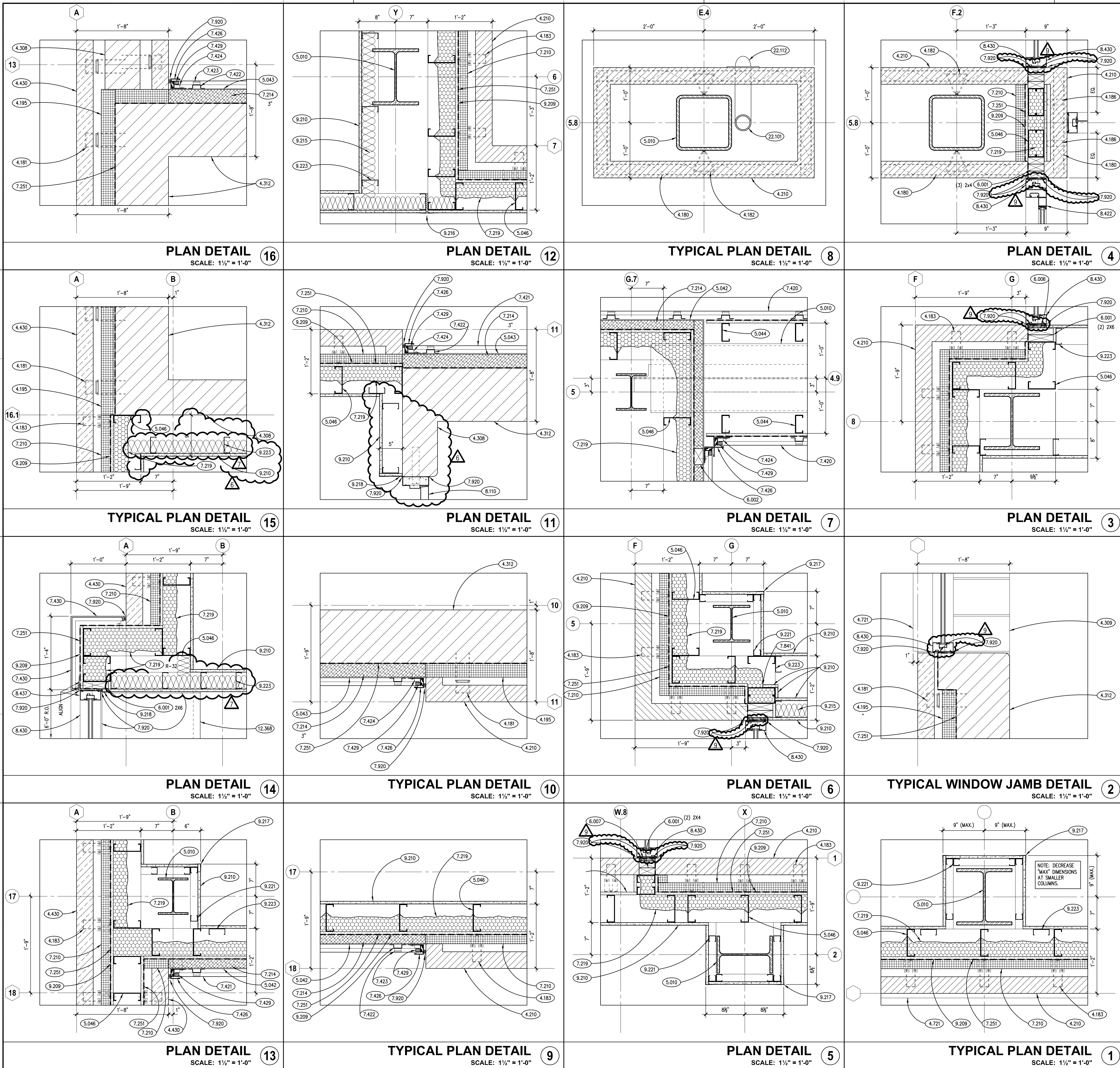
- REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
- COORDINATE FIRE RATED ASSEMBLIES INFORMATION CONTAINED ON DRAWING G301 & G302 WITH THE WORK OF ALL CONTRACTS.
- IN METAL STUD/GYPSUM BOARD PARTITIONS, WALLS & CEILINGS, PROVIDE 2X FIRE RETARDANT TREATED WOOD BLOCKING FOR WALL-MOUNTED AND CEILING MOUNTED ITEMS REQUIRING MECHANICAL ANCHORAGE.
- WHERE DETAILS REQUIRE JOINT SEALANT TO SEAL WEATHER BARRIER COATING TO ADJACENT CONSTRUCTION AT OPENINGS AND PENETRATIONS, PROVIDE BOND TESTING TO PROVE THAT JOINT SEALANT BONDS ADEQUATELY TO WEATHER BARRIER COATING, OR PROVIDE 0.032" ALUMINUM CORNER FLASHING, SEALED TO WEATHER BARRIER.

WILL COUNTY HEALTH DEPARTMENT

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5.040 STRUCTURED DECK: FRAMING MATERIALS, REFER TO STRUCTURAL DRAWINGS.  
5.042 COLD-FORMED METAL FRAMING: 2" Z-Furring; HORIZONTALLY @ 24" O.C.  
5.046 COLD-FORMED METAL FRAMING: 6" STUD; REFER TO STRUCTURAL DRAWINGS.

6.001 WOOD BLOCKING: DIMENSIONAL LUMBER; SIZE AS INDICATED; REFER TO SCHEDULE FOR TREATMENT.  
6.002 WOOD BLOCKING: DIMENSIONAL LUMBER; SIZE AS REQUIRED; REFER TO SCHEDULE FOR TREATMENT.  
6.007 PLYWOOD: 3/4" THICK; REFER TO SPECIFICATIONS FOR TREATMENT.

7.219 FOAMED-IN-PLACE INSULATION: THICKNESS AS REQUIRED TO ACHIEVE A MINIMUM THERMAL RESISTANCE OF R-21 (UNLESS NOTED OTHERWISE); APPLY INTUMESCENT COATING TO ALL SURFACES NOT SEPARATED FROM THE BUILDING INTERIOR BY GYPSUM WALLBOARD.

7.423 METAL WALL PANEL SYSTEM COMPONENT: PANEL ATTACHMENT CLIP.  
7.424 METAL WALL PANEL SYSTEM COMPONENT: SUPPLEMENTARY SUPPORT CLIP.  
7.425 METAL WALL PANEL SYSTEM ACCESSORY: PREFINISHED EXTRUDED ALUMINUM SILL TRIM.

7.629 METAL JAMB FLASHING AT OVERHEAD DOOR: PREFINISHED ALUMINUM; 0.040" THICK; COLOR TO MATCH

8.360 SECTIONAL OVERHEAD DOOR; 8'-0" WIDE X 9'-4" TALL.

8.437 ALUMINUM STOREFRONT ACCESSORY: 0.032" SHEET ALUMINUM HEAD/JAMB FLASHING; FINISH TO MATCH STOREFRONT FRAMING.

8.440 ALUMINUM CURTAIN WALL FRAMING.

9.213 GYPSUM BOARD ACCESSORY: ACoustICAL INSULATION: SOUND ATTENUATION BATTS; THICKNESS AS SPECIFIED.

9.223 METAL STUD FRAMING: 3-5/8" STUD; 16" O.C. SPACING; 20 GAUGE UNLESS NOTED OTHERWISE; ANCHORAGE TO SUIT APPLICATION.

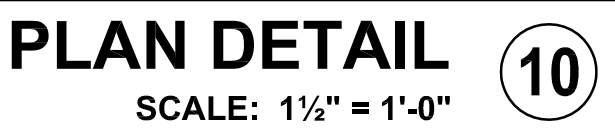
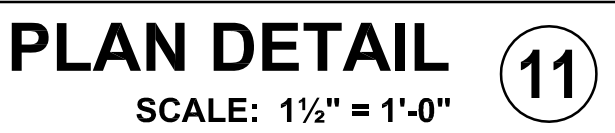
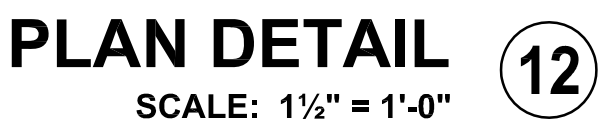
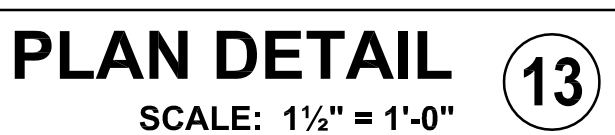
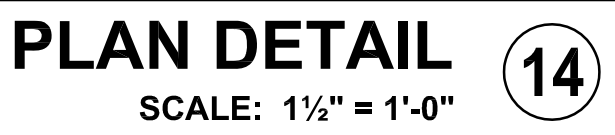
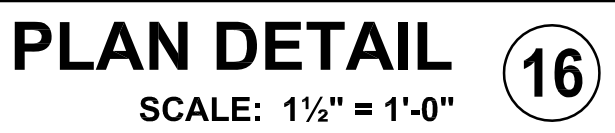
22.500 COUNTERTOP: SOLID SURFACE WINDOW SILL, 1/2" EDGE THICKNESS WITH 1/2" PROJECTION, 1/4" RADIUS TOP EDGE, AND 1/2" THICK X 2" HIGH APRON BENEATH, U.N.O.

22.101 PLUMBING PIPING: ROOF DRAIN DOWNCOMER: REFER TO PLUMBING DRAWINGS

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1. REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.

4. WHERE DETAILS REQUIRE JOINT SEALANT TO SEAL WEATHER BARRIER COATING TO ADJACENT CONSTRUCTION AT OPENINGS AND PENETRATIONS, PROVIDE BOND TESTING TO PROVE THAT JOINT SEALANT BONDS ADEQUATELY TO



# A1001



KEYNOTES

KEYNOTES ARE NOT ALWAYS REPEATED ACROSS ALL DRAWINGS ON THIS SHEET. AN UN-KEYNOTED ITEM ON THIS SHEET IS THE SAME AS A KEYNOTED ITEM ON THIS SHEET HAVING THE SAME GRAPHIC APPEARANCE.

- 3.030 CAST-IN-PLACE CONCRETE; REFER TO STRUCTURAL DRAWINGS.  
3.032 CAST-IN-PLACE CONCRETE; SLAB-ON-GRADE; REFER TO STRUCTURAL DRAWINGS FOR THICKNESS.  
3.038 CAST-IN-PLACE CONCRETE ACCESSORY: RIGID BOARD INSULATION; 2" THK. MIN. R-5.4 PER INCH THICKNESS. REFER TO SPECIFICATIONS.
- 4.183 MASONRY ANCHORAGE AND REINFORCEMENT: MASONRY VENEER ANCHOR; FOR ATTACHMENT TO COLD-FORMED METAL STUDS.  
4.431 STONE MASONRY VENEER: ASHLAR TYPE "SMV-1"; REFER TO SPECIFICATIONS.  
4.721 CAST STONE MASONRY: SILL COURSE; SIZE AND CONFIGURATION AS INDICATED; PROVIDE CAST DRIP AT ALL OVERHANG EDGES. SLOPE TOP TO DRAIN AS SHOWN. RAKE OUT MORTAR AND PROVIDE BOND BREAKER AND JOINT SEALANT AT ALL HEAD JOINTS.  
4.722 CAST STONE MASONRY: HEAD COURSE; SIZE AND CONFIGURATION AS INDICATED; PROVIDE CAST DRIP AT ALL OVERHANG EDGES. SLOPE TOP TO DRAIN AS SHOWN. RAKE OUT MORTAR AND PROVIDE BOND BREAKER AND JOINT SEALANT AT ALL HEAD JOINTS.
- 5.010 STRUCTURAL STEEL: FRAMING MEMBER; REFER TO STRUCTURAL DRAWINGS.  
5.030 STEEL DECK; REFER TO STRUCTURAL DRAWINGS.  
5.042 COLD-FORMED METAL FRAMING: 2" Z-FURRING; HORIZONTALLY @ 24" O.C.  
5.045 COLD-FORMED METAL FRAMING: STUD RUNNER; SIZE TO MATCH METAL STUDS.  
5.046 COLD-FORMED METAL FRAMING: 6" STUD; REFER TO STRUCTURAL DRAWINGS.
- 6.002 WOOD BLOCKING: DIMENSIONAL LUMBER; SIZE AS REQUIRED; REFER TO SCHEDULE FOR TREATMENT.
- 7.214 INSULATION: MINERAL FIBER BOARD; THICKNESS AS REQUIRED TO ACHIEVE A MINIMUM THERMAL RESISTANCE OF R-21 (UNLESS NOTED OTHERWISE); APPLY INTUMESCENT COATING TO ALL SURFACES NOT SEPARATED FROM THE BUILDING INTERIOR BY GYPSUM WALLBOARD.  
7.219 FOAMED-IN-PLACE INSULATION: THICKNESS AS REQUIRED TO ACHIEVE A MINIMUM THERMAL RESISTANCE OF R-21 (UNLESS NOTED OTHERWISE); REFER TO SPECIFICATIONS.  
7.251 WEATHER BARRIER COATING: SPRAY-APPLIED; REFER TO SPECIFICATIONS.  
7.255 WEATHER BARRIER ACCESSORY: BASE FLASHING; 0.032" ALUMINUM; REFER TO SPECIFICATIONS.  
7.420 METAL WALL PANEL SYSTEM: PREFINISHED WITH CONCEALED FASTENERS. REFER TO SPECIFICATIONS.  
7.425 METAL WALL PANEL SYSTEM ACCESSORY: PREFINISHED EXTRUDED ALUMINUM SILL TRIM.  
7.426 METAL WALL PANEL SYSTEM ACCESSORY: PREFINISHED EXTRUDED ALUMINUM HEAD/JAMB TRIM.  
7.427 METAL WALL PANEL SYSTEM ACCESSORY: PREFINISHED EXTRUDED ALUMINUM BASE TRIM.  
7.428 METAL WALL PANEL SYSTEM ACCESSORY: PREFINISHED BRASS METAL FLASHING; CONFIGURATION AS INDICATED; FINISH TO MATCH PANELS WHERE EXPOSED TO VIEW; SET IN CONTINUOUS SEALANT BEAD AND SEAL LIPS.  
7.530 ELASTOMERIC MEMBRANE ROOFING SYSTEM; FULLY ADHERED.  
7.534 ELASTOMERIC MEMBRANE ROOFING MATERIAL: RIGID INSULATION; 2 LAYERS; 3 INCH OVER 2 1/4 INCH; 5 1/2 INCHES TOTAL THICKNESS; R-30.8 (MIN).  
7.920 JOINT SEALANT: REFER TO SCHEDULE IN SPECIFICATION SECTION 07 92 00; PROVIDE BACKER ROD OR BOND BREAKER.
- 8.422 AUTOMATIC ENTRANCE: POWERED SLIDING DOOR SYSTEM WITH BREAKAWAY FUNCTION.  
8.430 ALUMINUM STOREFRONT FRAMING.  
8.437 ALUMINUM STOREFRONT ACCESSORY: 0.032" SHEET ALUMINUM HEAD/JAMB FLASHING; FINISH TO MATCH STOREFRONT FRAMING; SET IN CONTINUOUS SEALANT BEAD AND SEAL LIPS.  
8.440 ALUMINUM CURTAIN WALL FRAMING.  
8.445 ALUMINUM CURTAIN WALL ACCESSORY: 0.040" SHEET ALUMINUM SILL FLASHING; FINISH TO MATCH CURTAIN WALL FRAMING; SET IN CONTINUOUS SEALANT BEAD AND SEAL LIPS.  
8.447 ALUMINUM CURTAIN WALL ACCESSORY: 0.032" SHEET ALUMINUM HEAD/JAMB FLASHING; FINISH TO MATCH CURTAIN WALL FRAMING; SET IN CONTINUOUS SEALANT BEAD AND SEAL LIPS.
- 9.209 GYPSUM BOARD: 5/8" THK.; EXTERIOR GRADE, GLASS MAT FACED.  
9.210 GYPSUM BOARD: 5/8" THICK; TYPE "X".  
9.217 GYPSUM BOARD ACCESSORY: CORNER BEAD.  
9.223 METAL STUD FRAMING: 3-5/8" STUD; 16" O.C. SPACING; 20 GAUGE UNLESS NOTED OTHERWISE; ANCHORAGE TO SUIT APPLICATION.  
9.226 METAL STUD FRAMING: 6" STUD; 16" O.C. SPACING; 20 GAUGE UNLESS NOTED OTHERWISE; ANCHORAGE TO SUIT APPLICATION.  
9.510 ACoustICAL CEILING PANELS AND GRID. REFER TO A900 SERIES DRAWINGS AND SPECIFICATIONS.
- 12.368 COUNTERTOP: SOLID SURFACE WINDOW SILL; 1/2" EDGE THICKNESS WITH 1 1/2" PROJECTION; 1/4" RADIUS TOP EDGE, AND 1/2" THICK X 2" HIGH APRON BENEATH, U.N.O.

GENERAL NOTES

1. REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.  
2. COORDINATE FIRE RATED ASSEMBLIES INFORMATION CONTAINED ON DRAWING G301 & G302 WITH THE WORK OF ALL CONTRACTS.  
3. REFER TO A600 SERIES BUILDING SECTION DRAWINGS FOR TOP OF FLOOR AND TOP OF MASONRY ELEVATIONS.  
4. REFER TO STRUCTURAL LINTEL DRAWINGS FOR BOTTOM OF LINTEL ELEVATIONS.  
5. IN METAL STUD/GYPSUM BOARD PARTITIONS, WALLS AND CEILINGS, PROVIDE 2X FIRE RETARDANT TREATED WOOD BLOCKING FOR WALL-MOUNTED & CEILING-MOUNTED ITEMS REQUIRING MECHANICAL ANCHORAGE.  
6. WHERE DETAILS REQUIRE JOINT SEALANT TO SEAL WEATHER BARRIER COATING TO ADJACENT CONSTRUCTION AT OPENINGS AND PENETRATIONS, PROVIDE BOND TESTING TO PROVE THAT JOINT SEALANT BONDS ADEQUATELY TO WEATHER BARRIER COATING, OR PROVIDE 0.032" ALUMINUM CORNER FLASHING, SEALED TO WEATHER BARRIER.

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WILL COUNTY HEALTH DEPARTMENT

THE COUNTY OF WILL  
501 ELLA AVENUE  
JOLIET, IL 60433

ISSUED		JOB NO.	
1	10/10/18 B.P. #1 - PRELIMINARY	17-401-1124	
2	10/10/18 B.P. #1 - PRELIMINARY		
3	10/10/18 B.P. #1 - PRELIMINARY		
4	10/10/18 B.P. #1 - PRELIMINARY		
5	11/12/18 B.P. #1 - PLAN REVIEW COMMENTS		
6	10/27/18 B.P. #2 - ADDENDUM #1		
7	10/27/18 B.P. #2 - ADDENDUM #1		
8	11/08/18 B.P. #2 - ADDENDUM #2		
9	11/13/18 B.P. #2 - ADDENDUM #3		

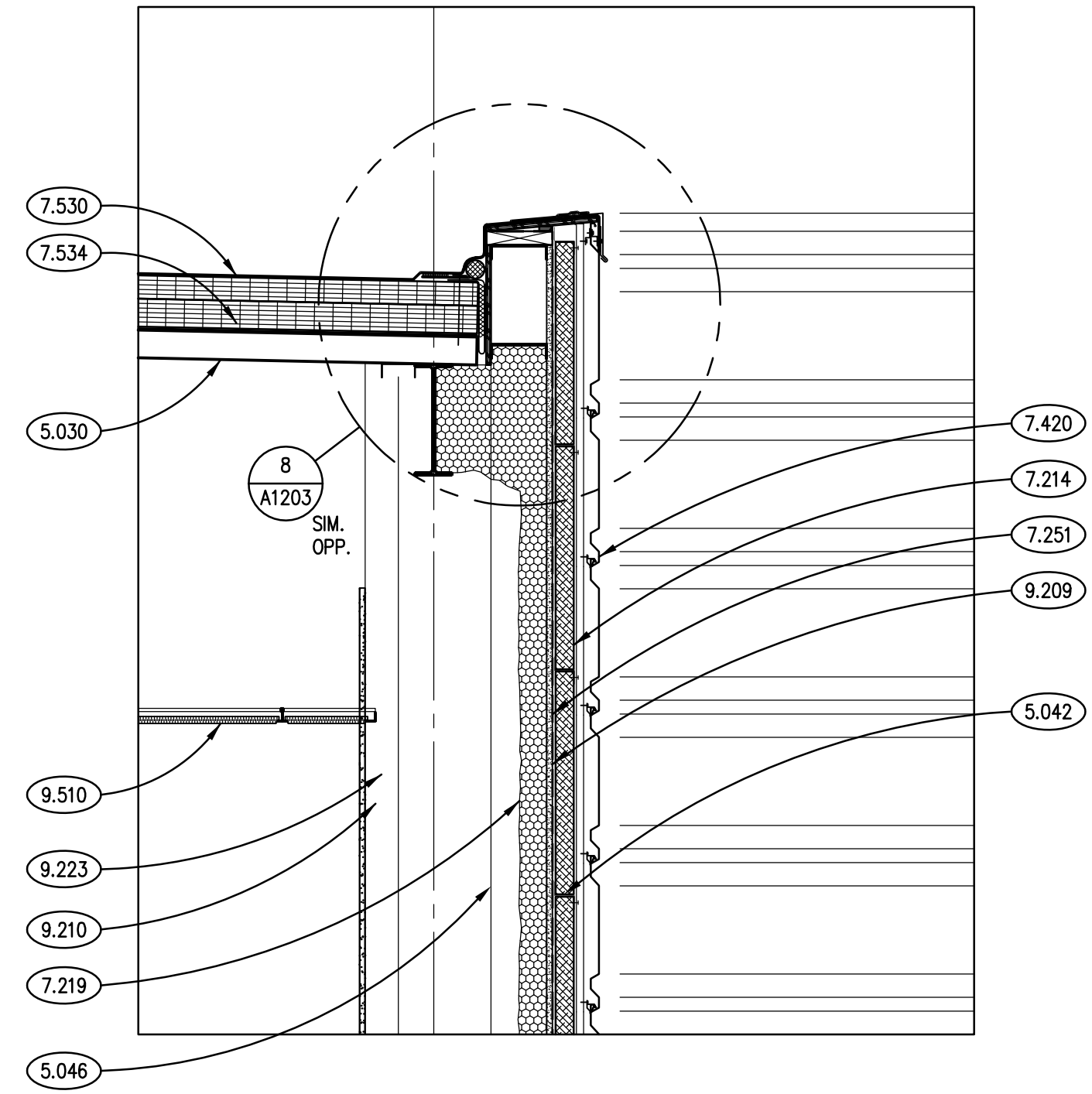
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CHECKED CDH  
APPROVED CJH

SHEET TITLE

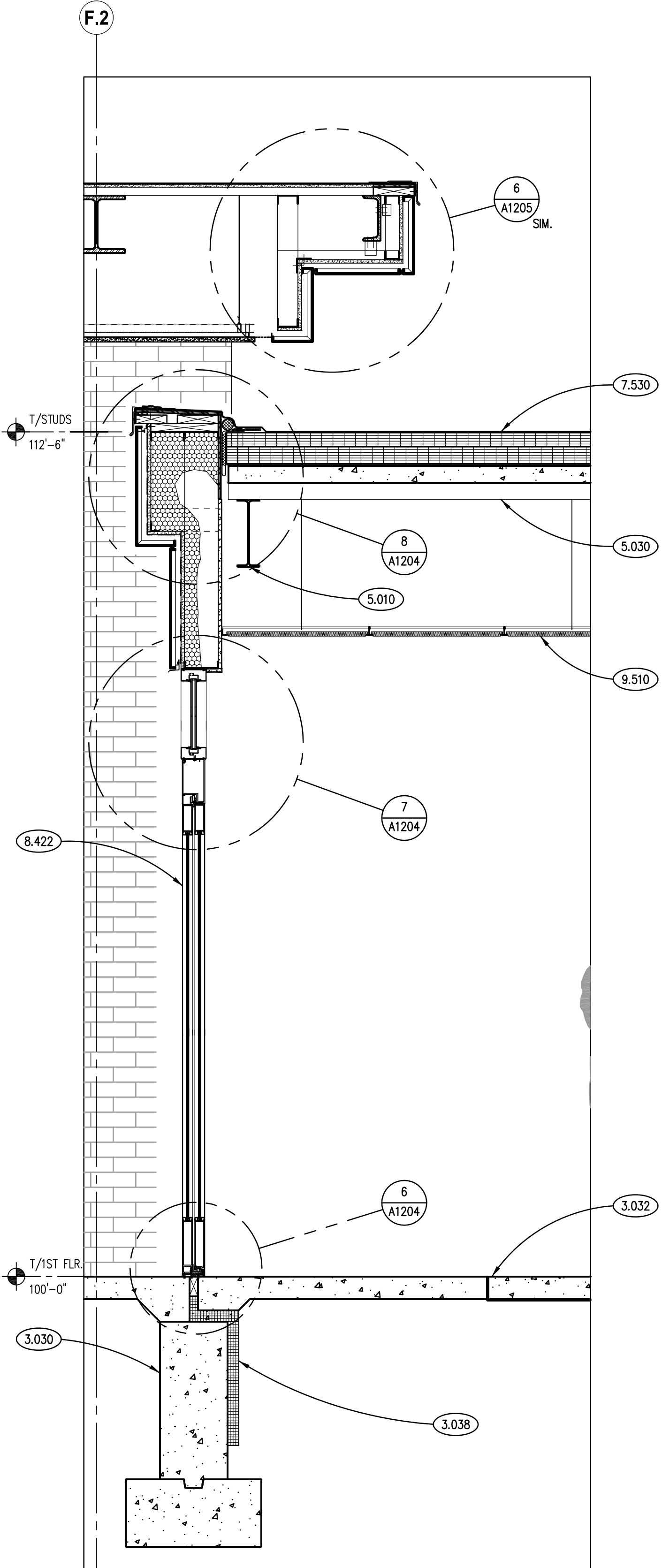
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SHEET NUMBER

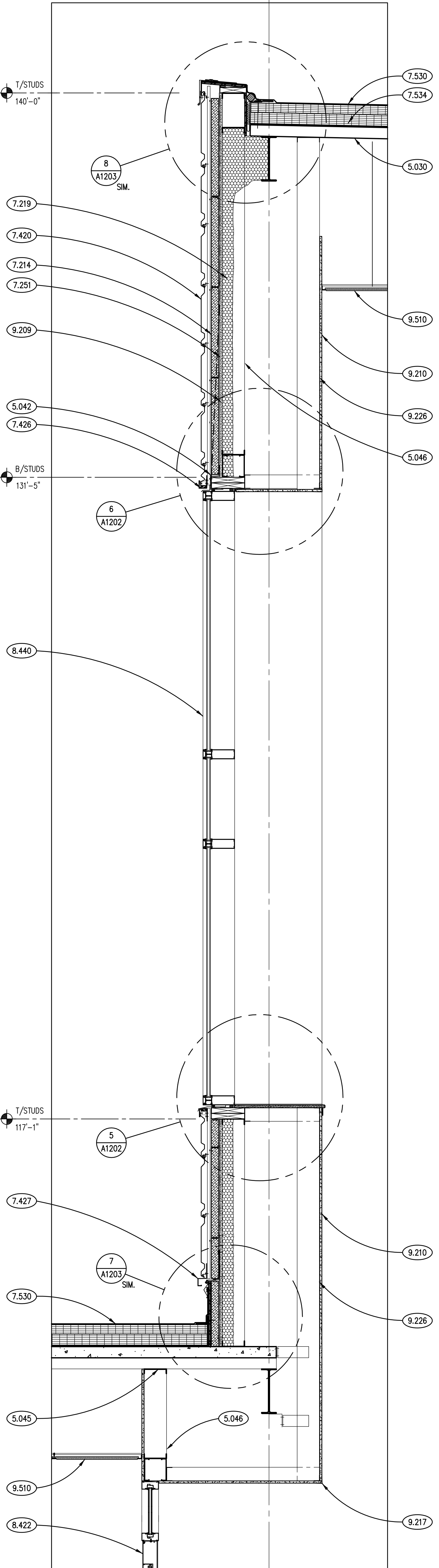
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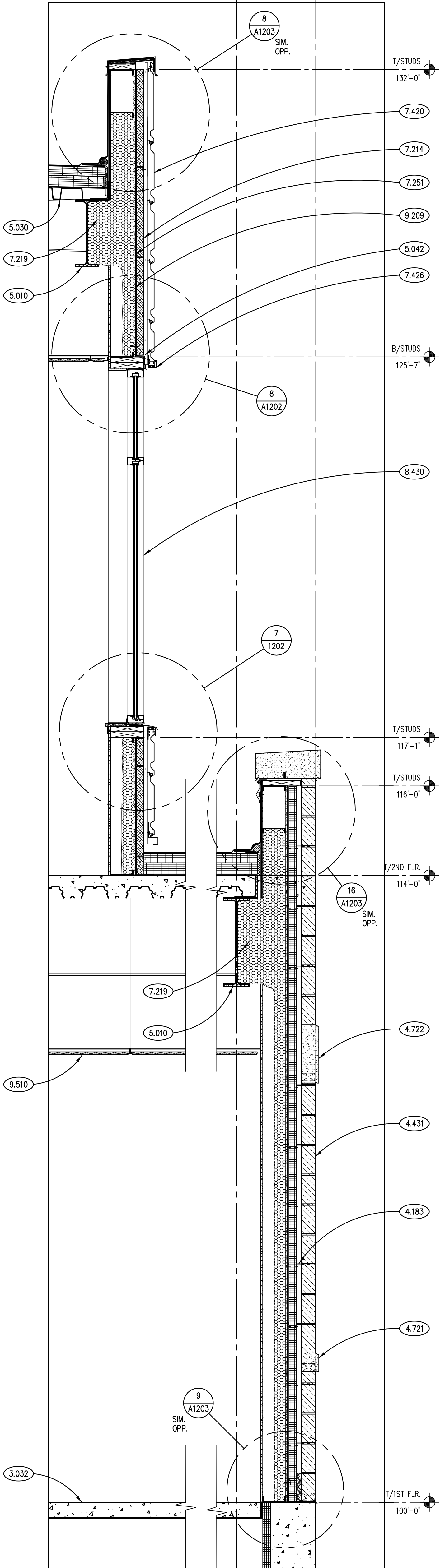
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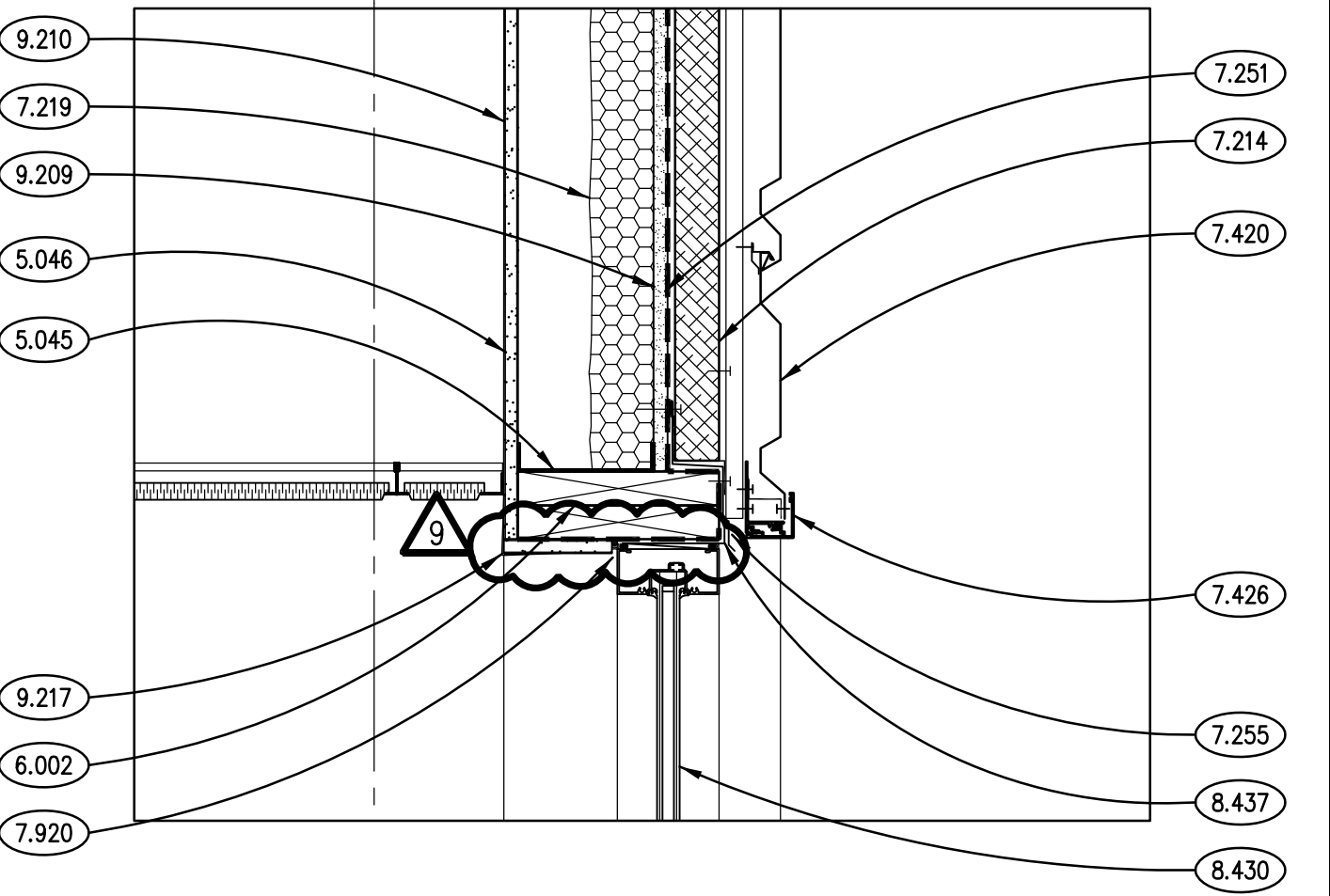
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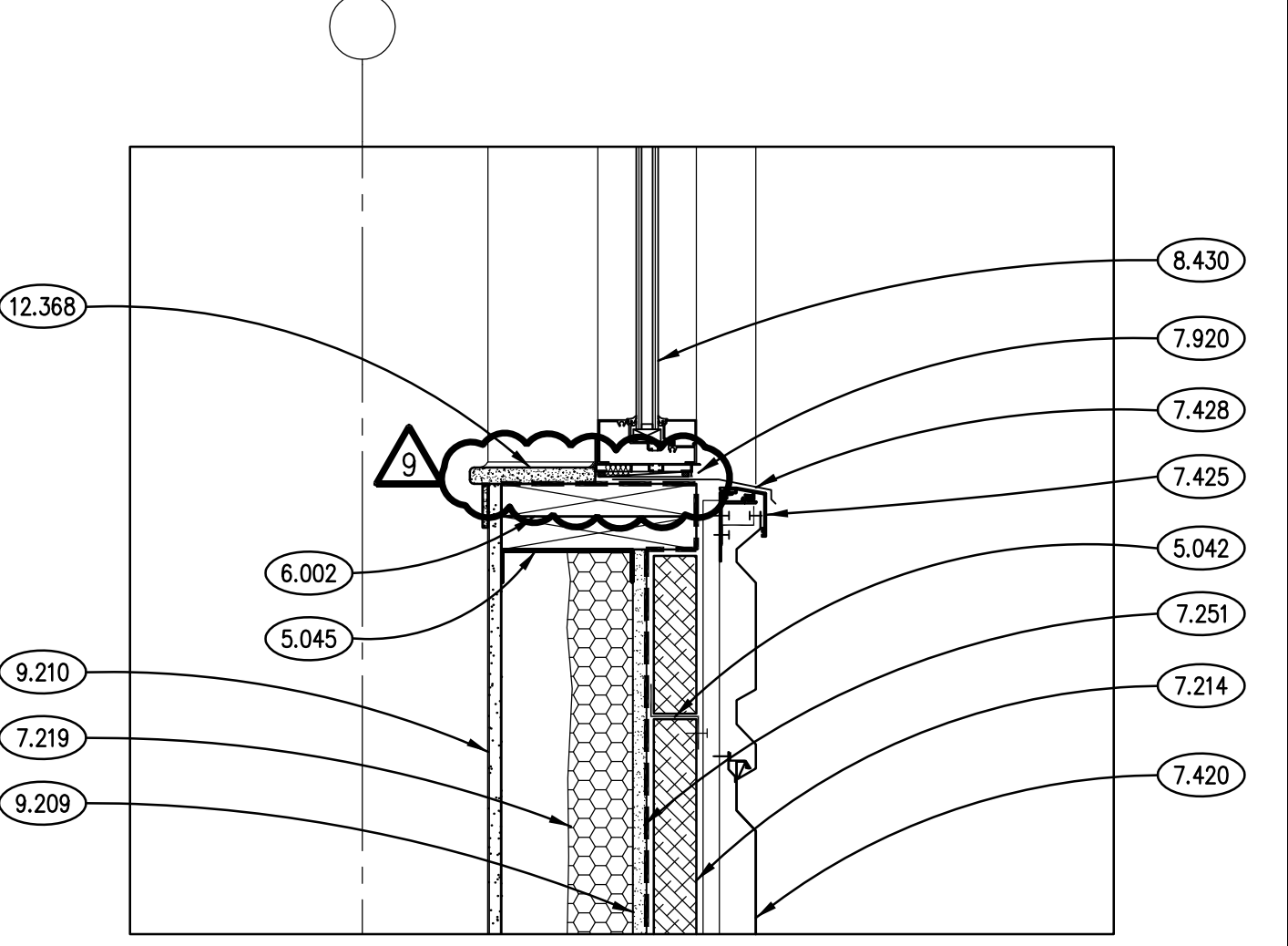
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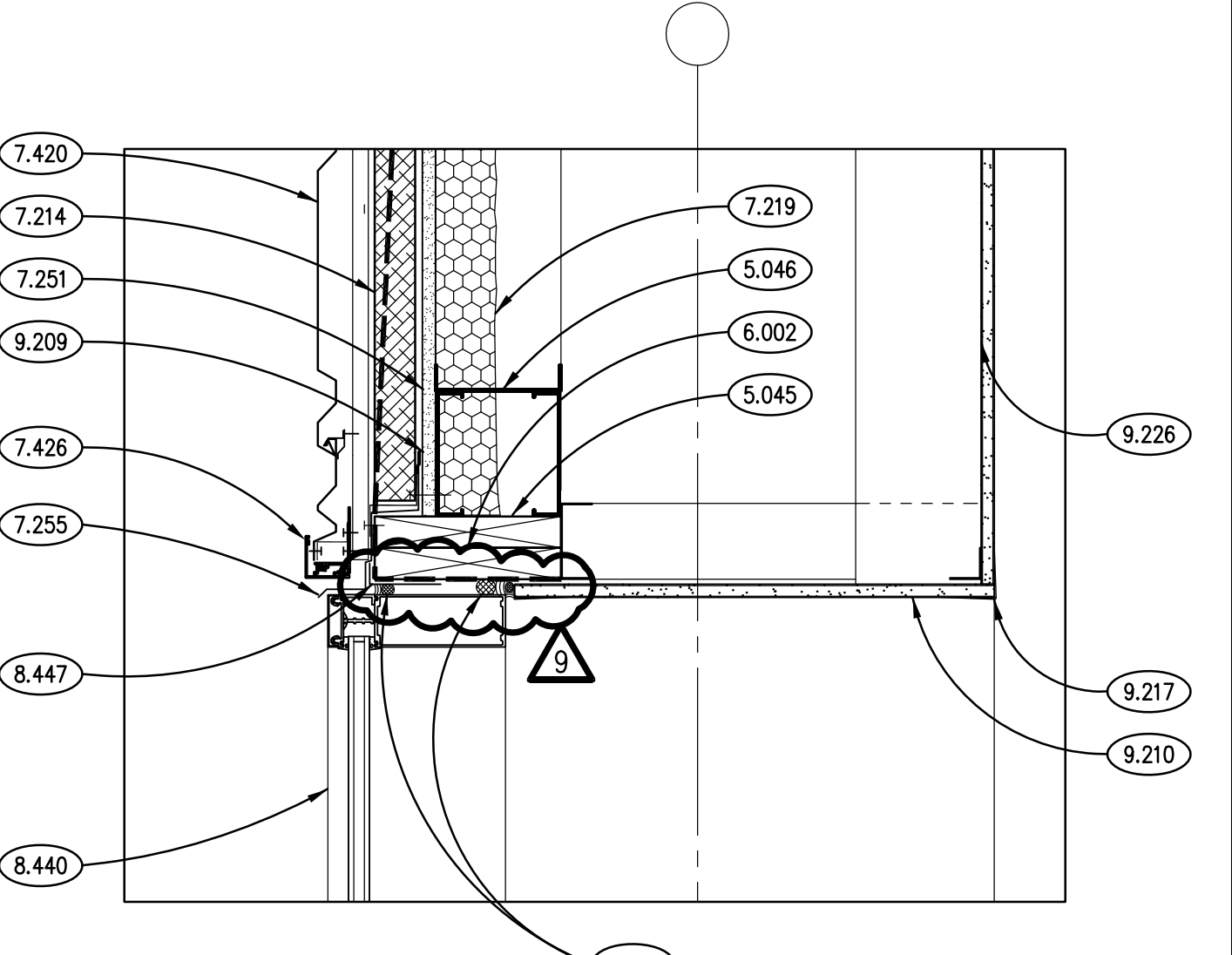
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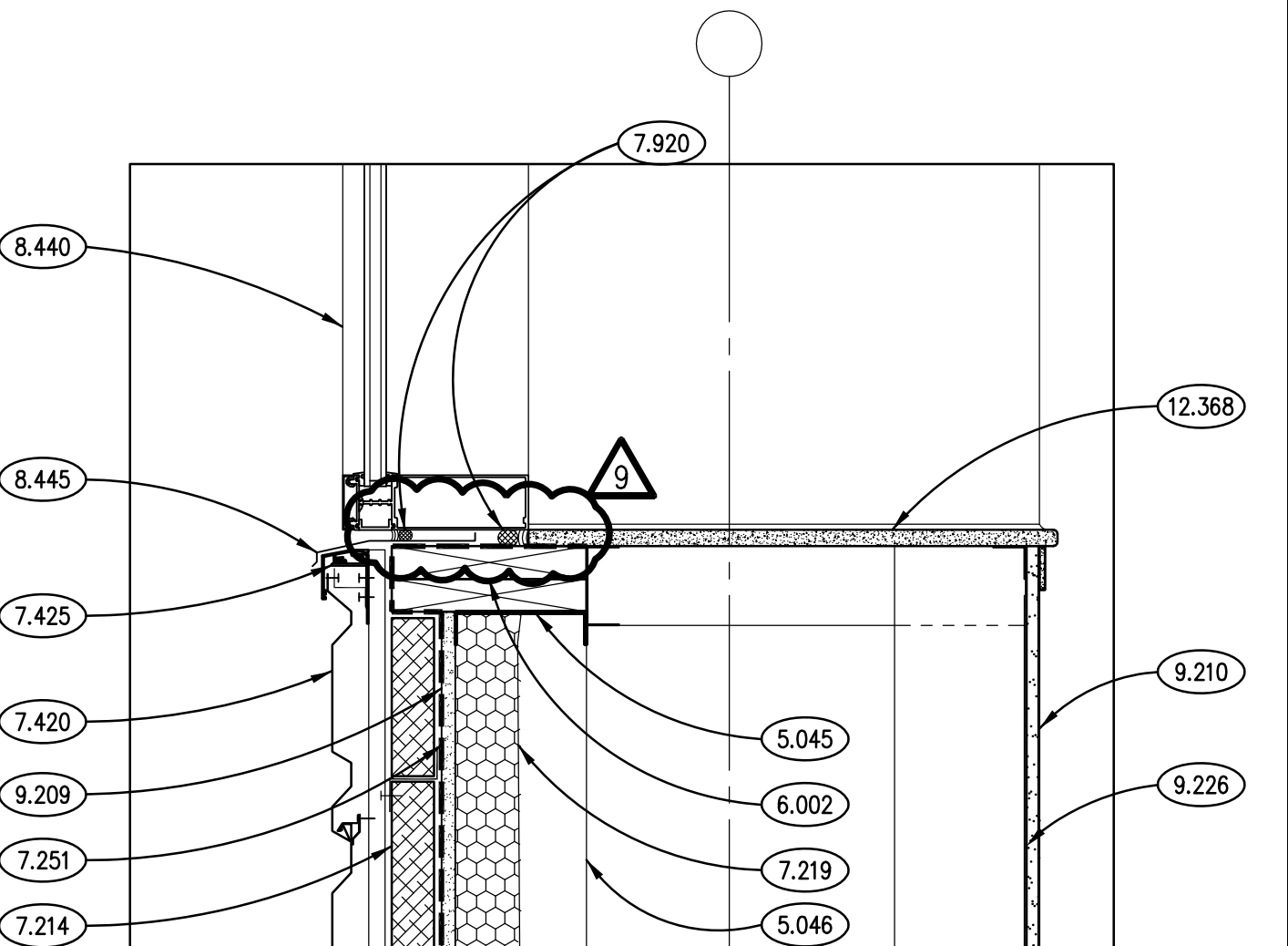
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SECTION DETAIL 7  
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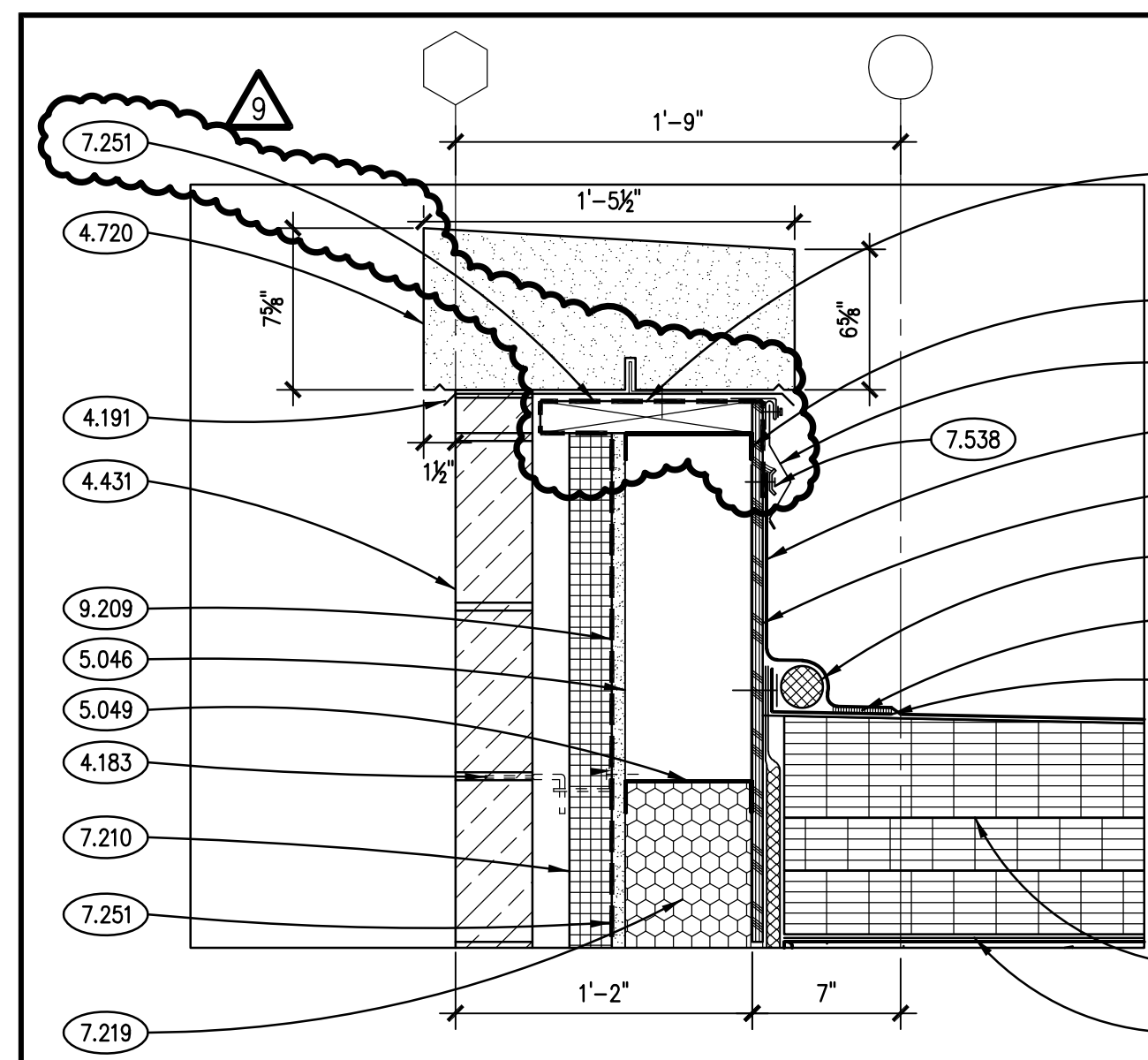


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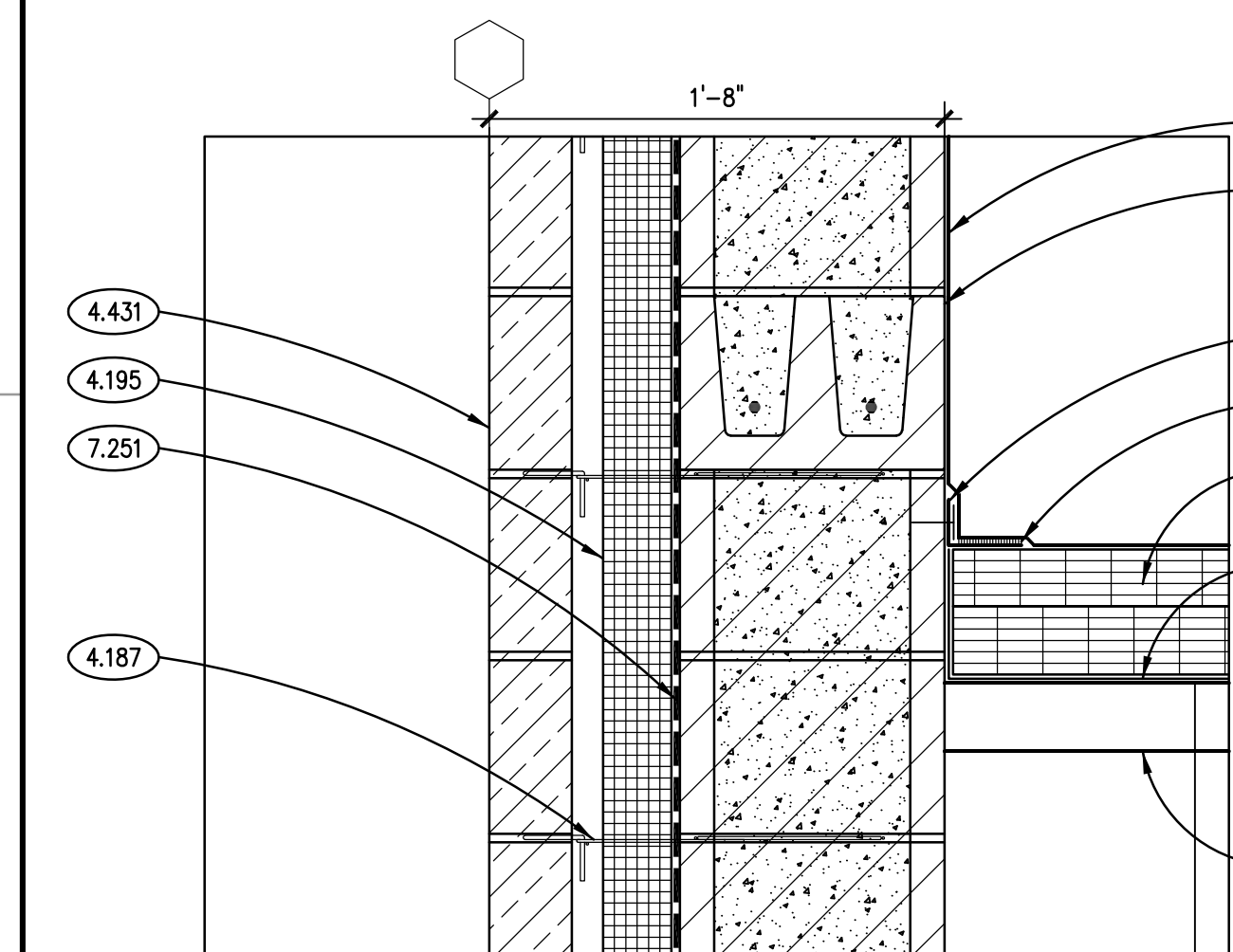


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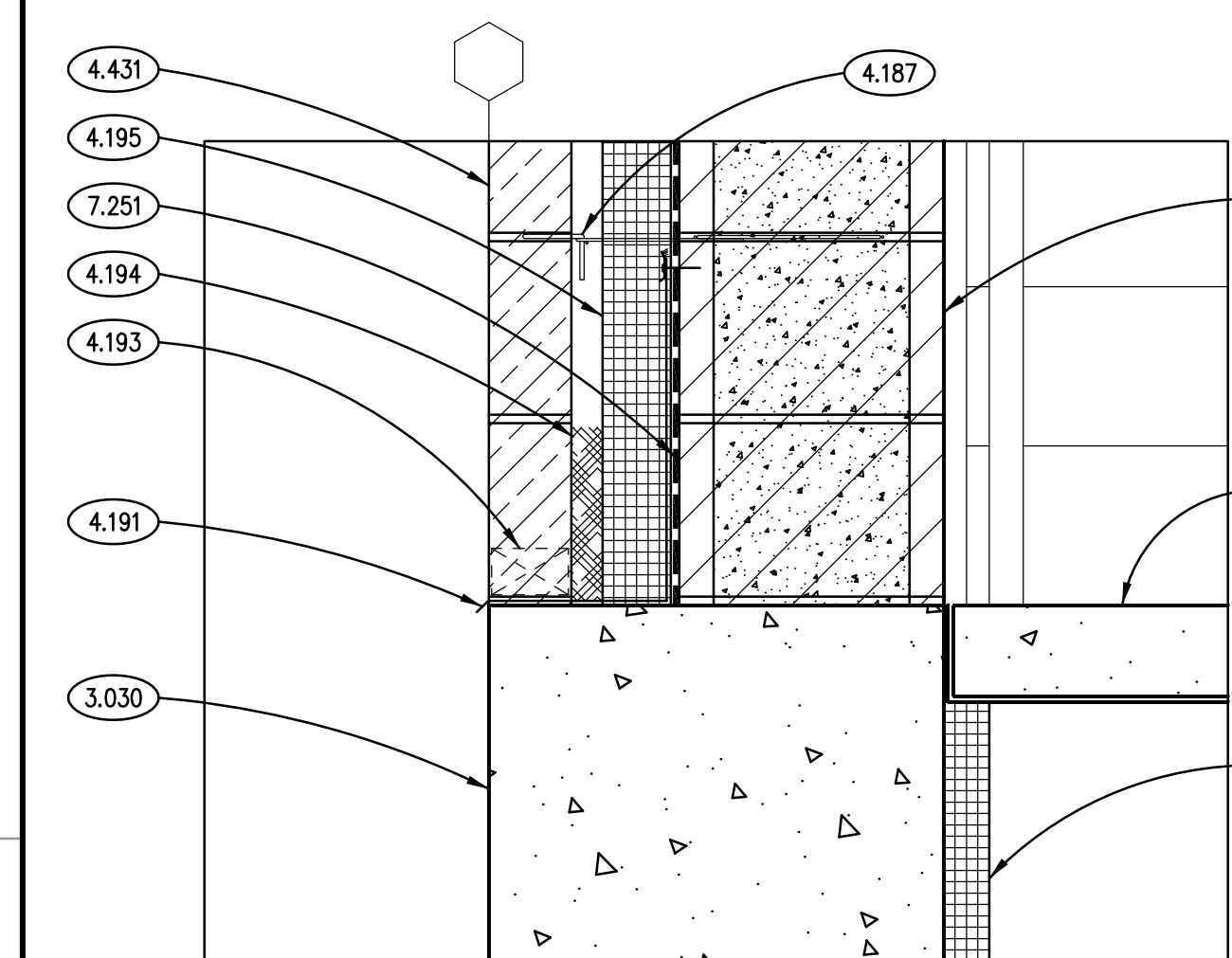




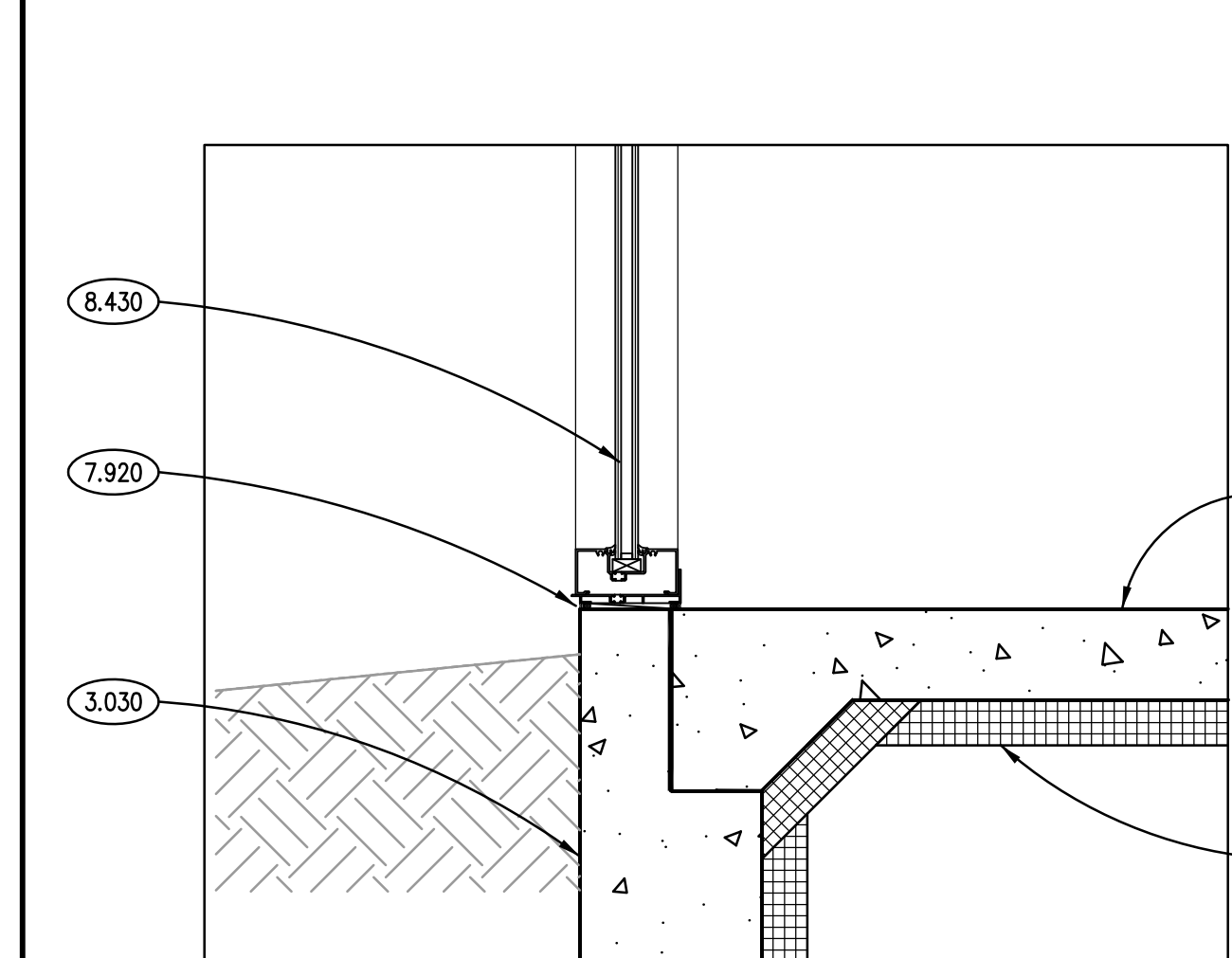
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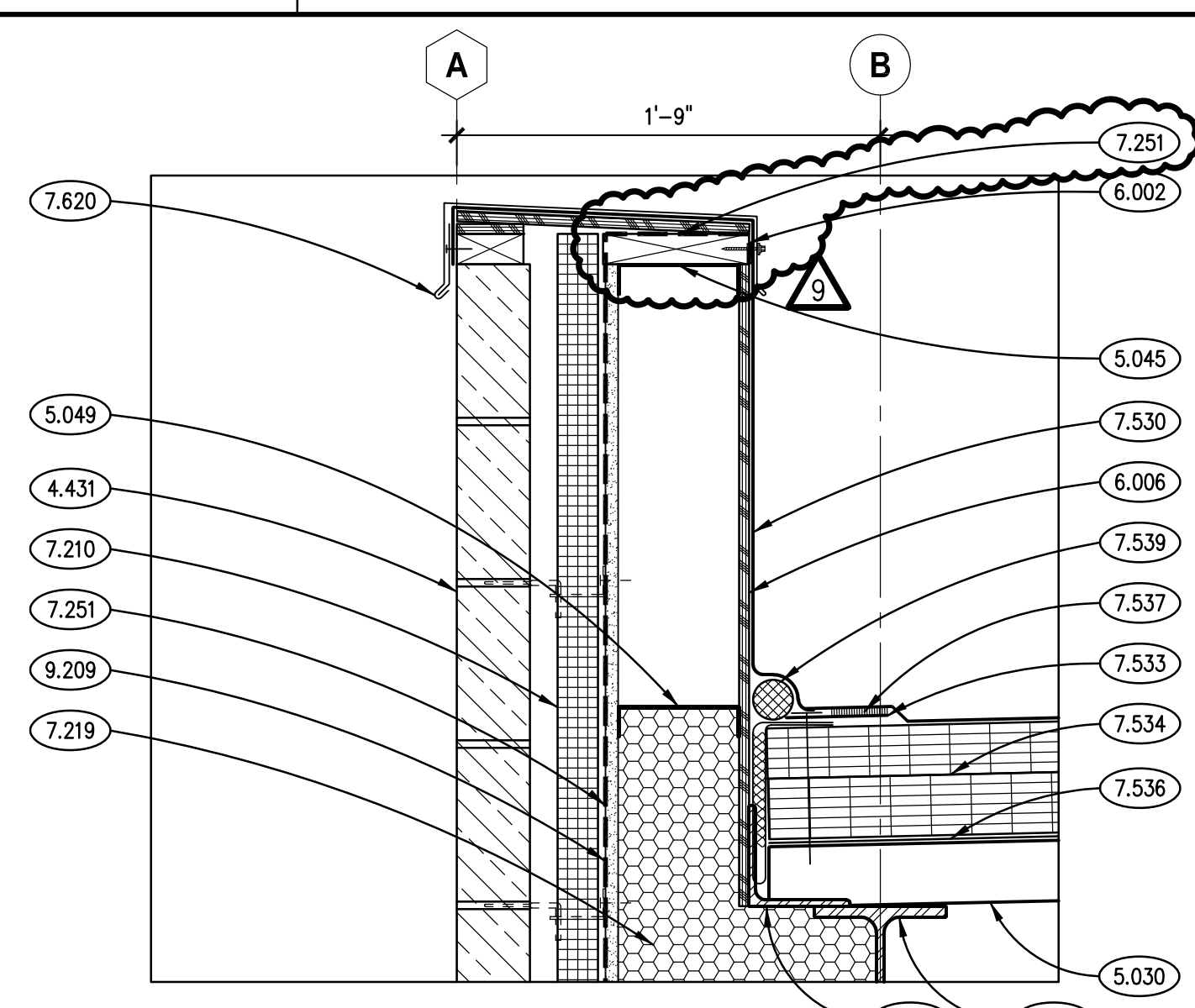
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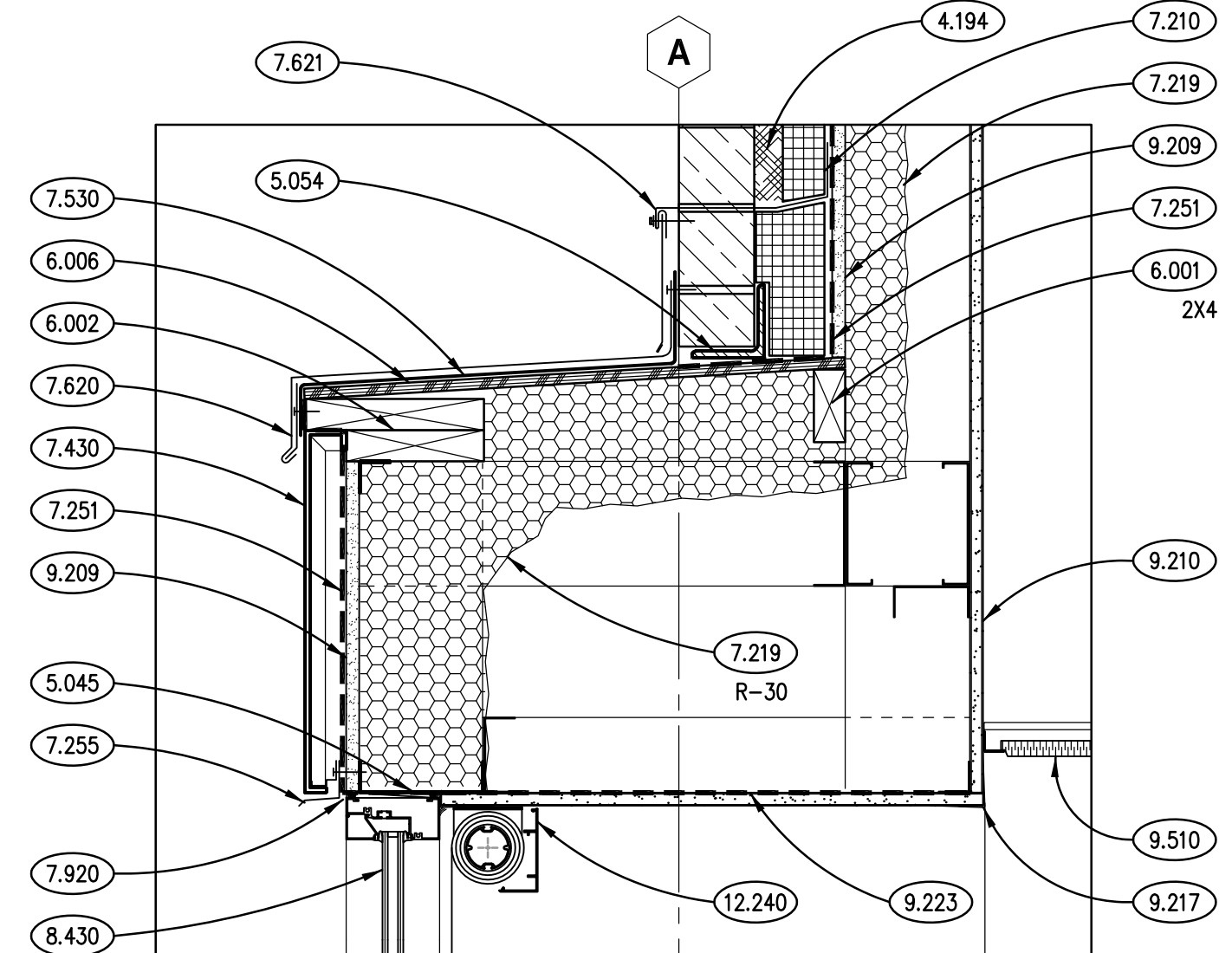
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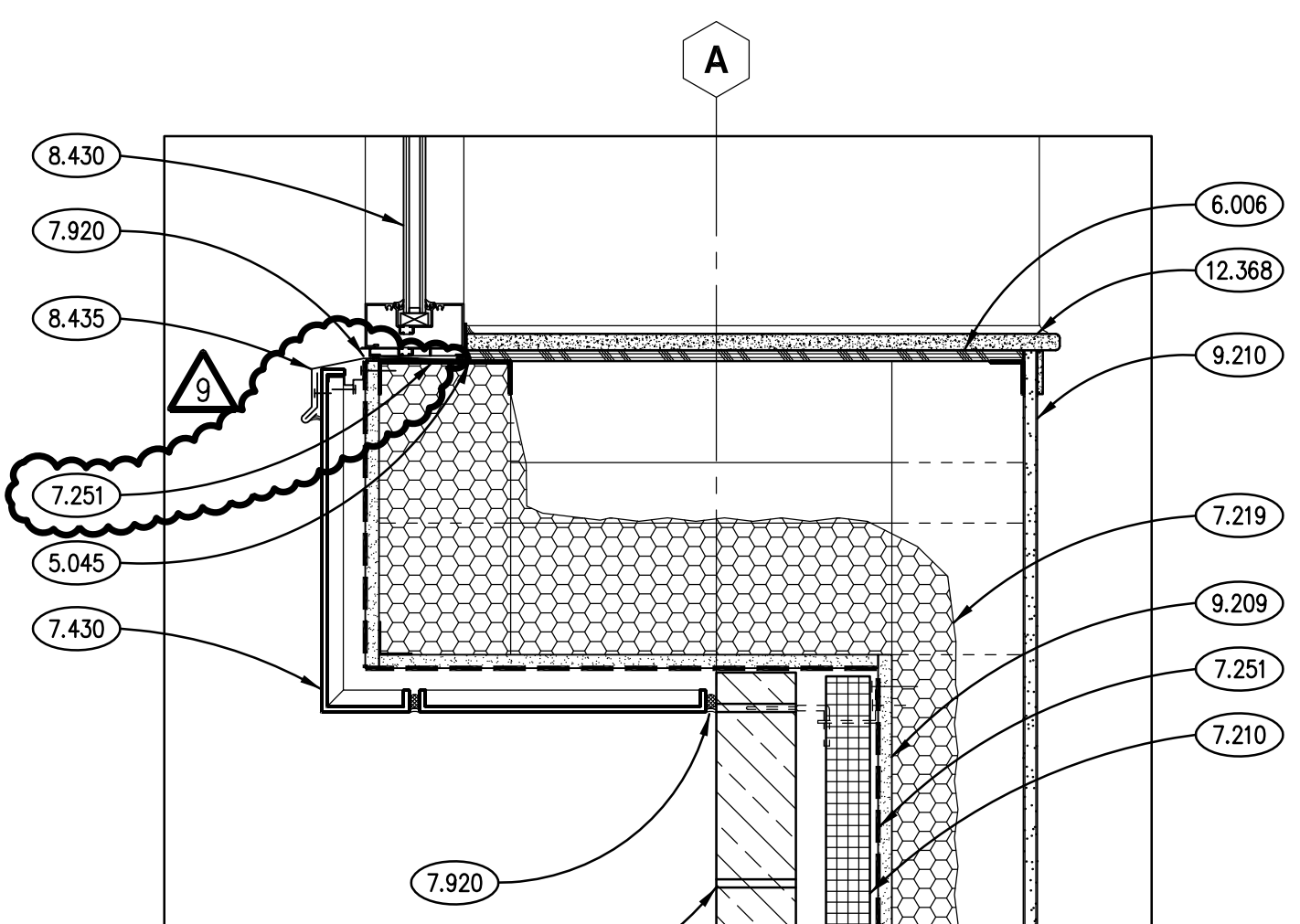
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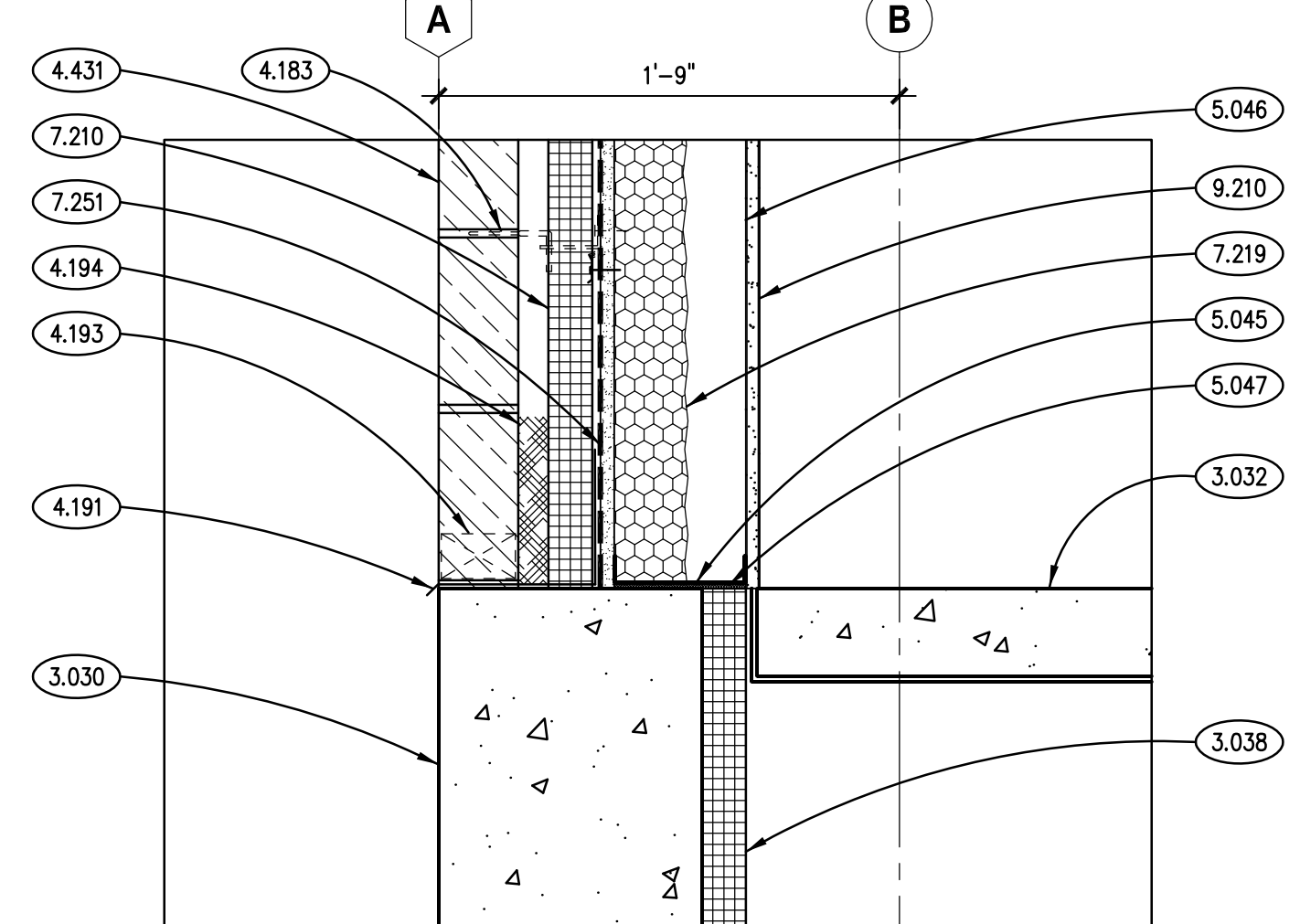
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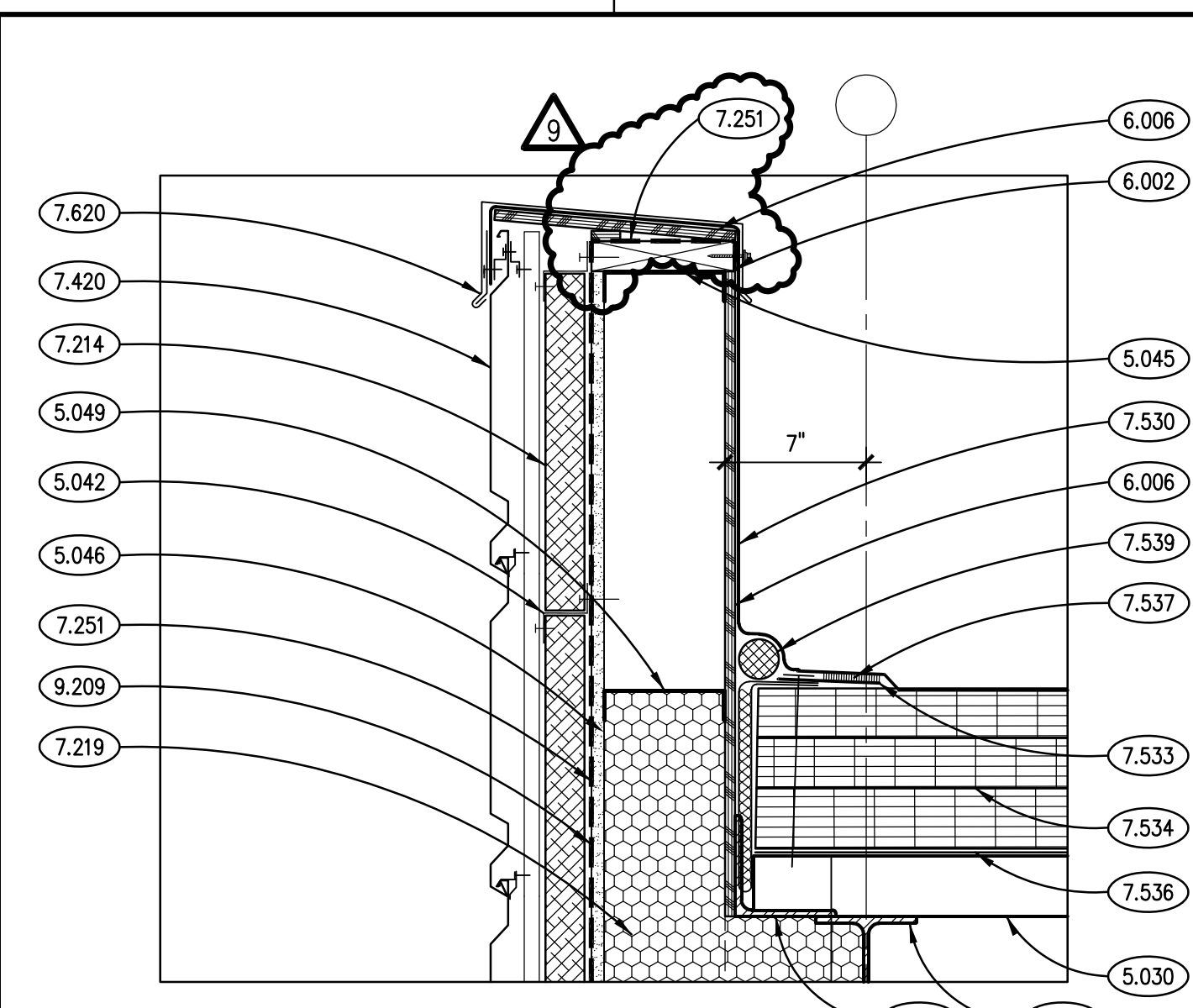
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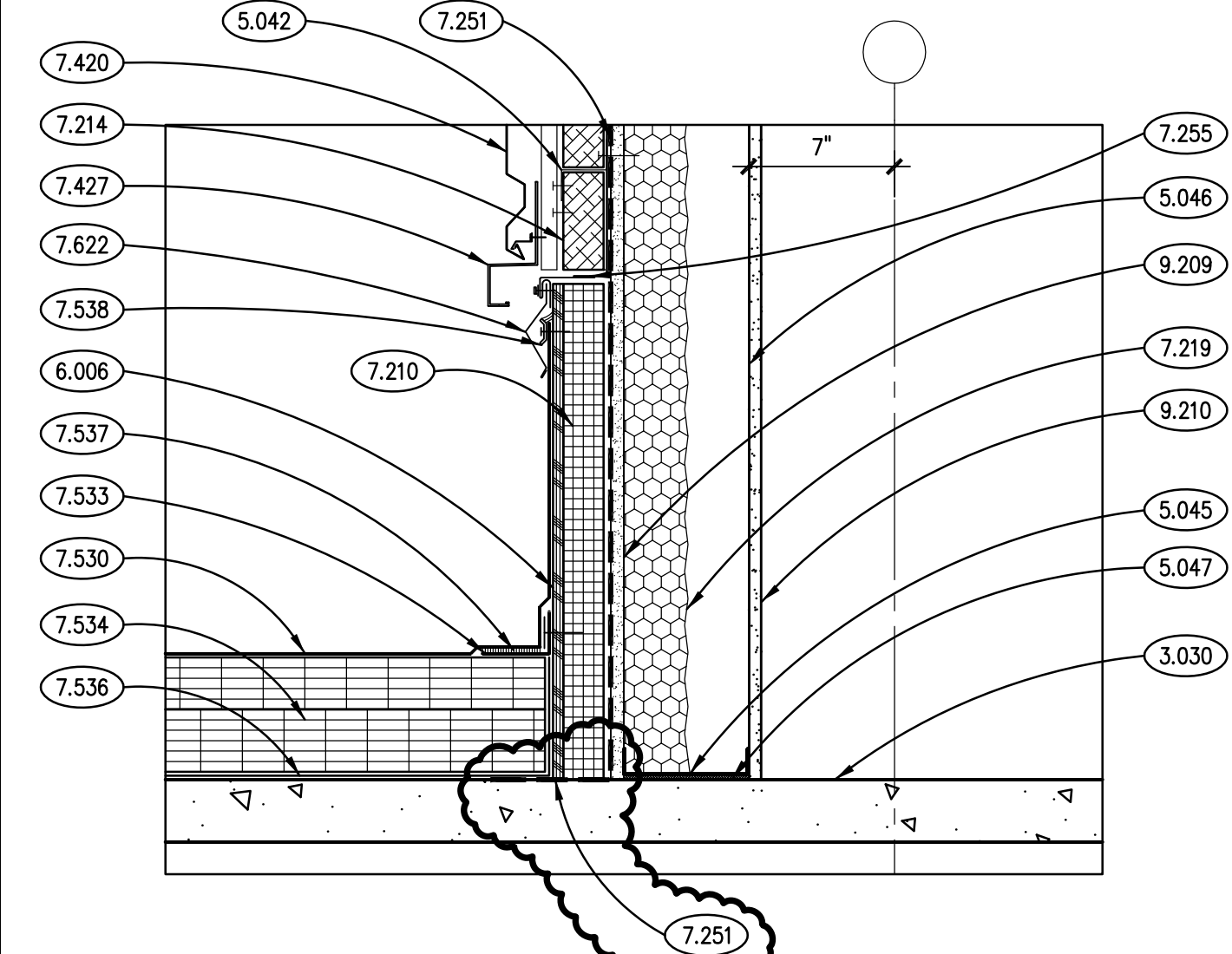
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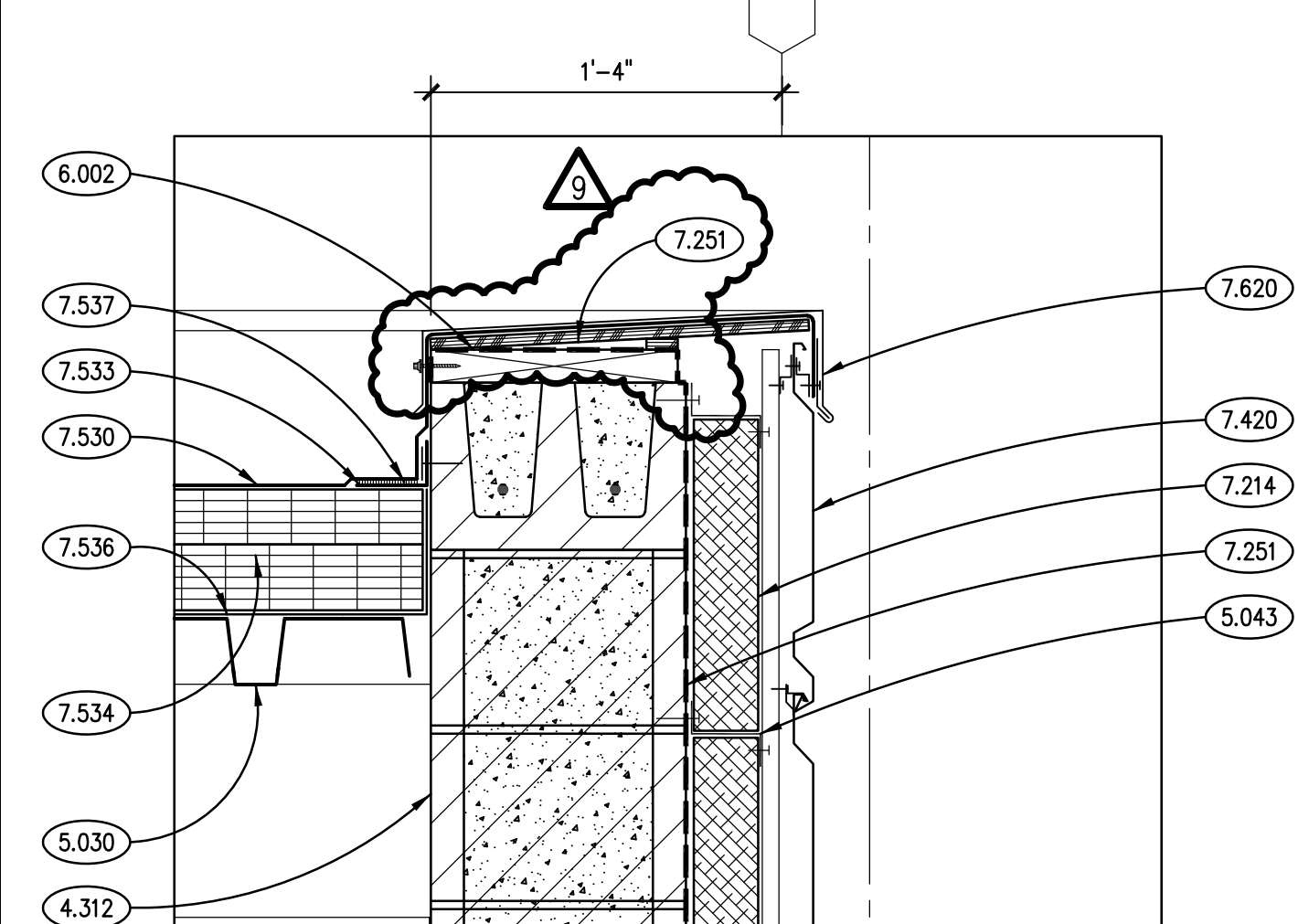
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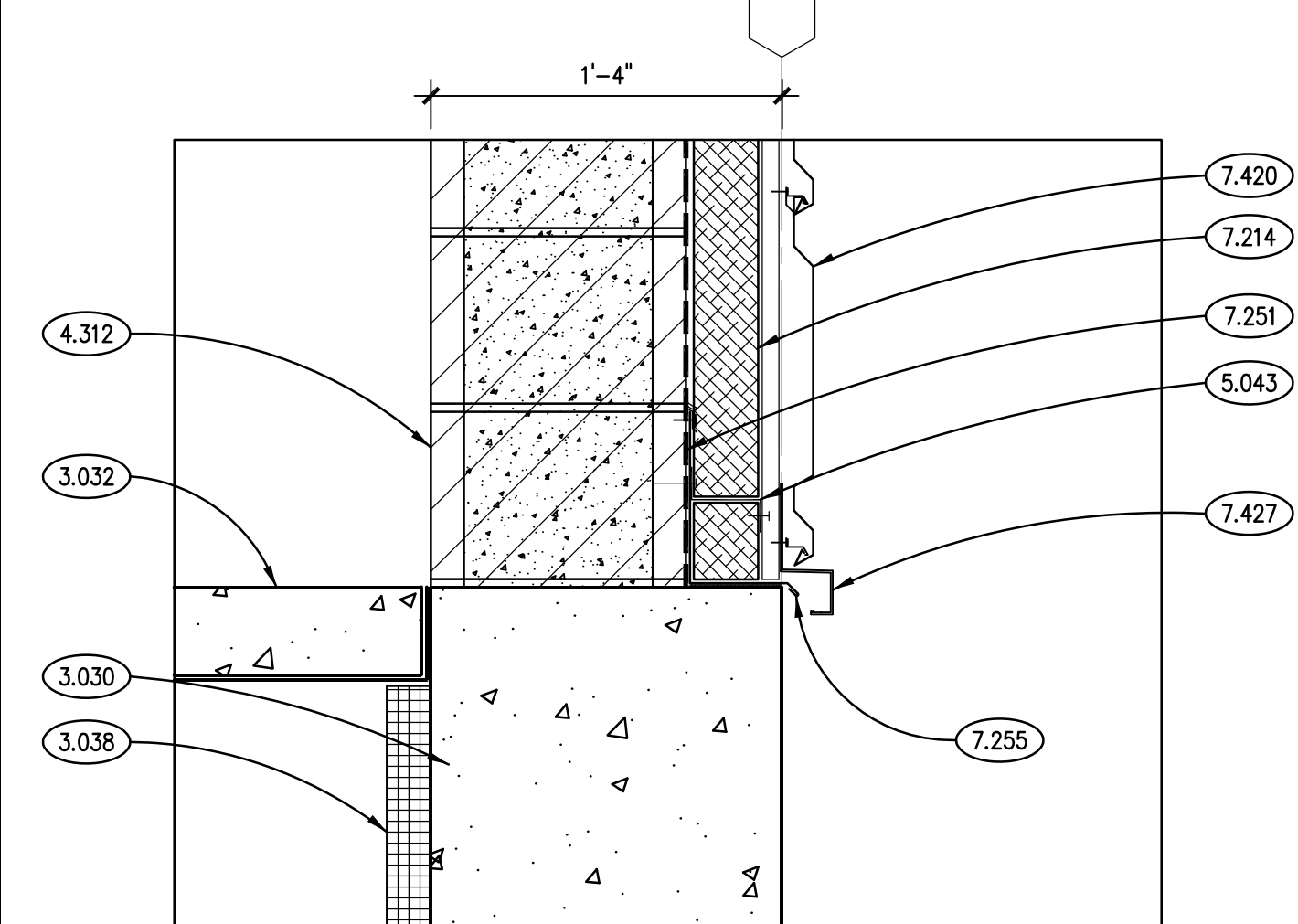
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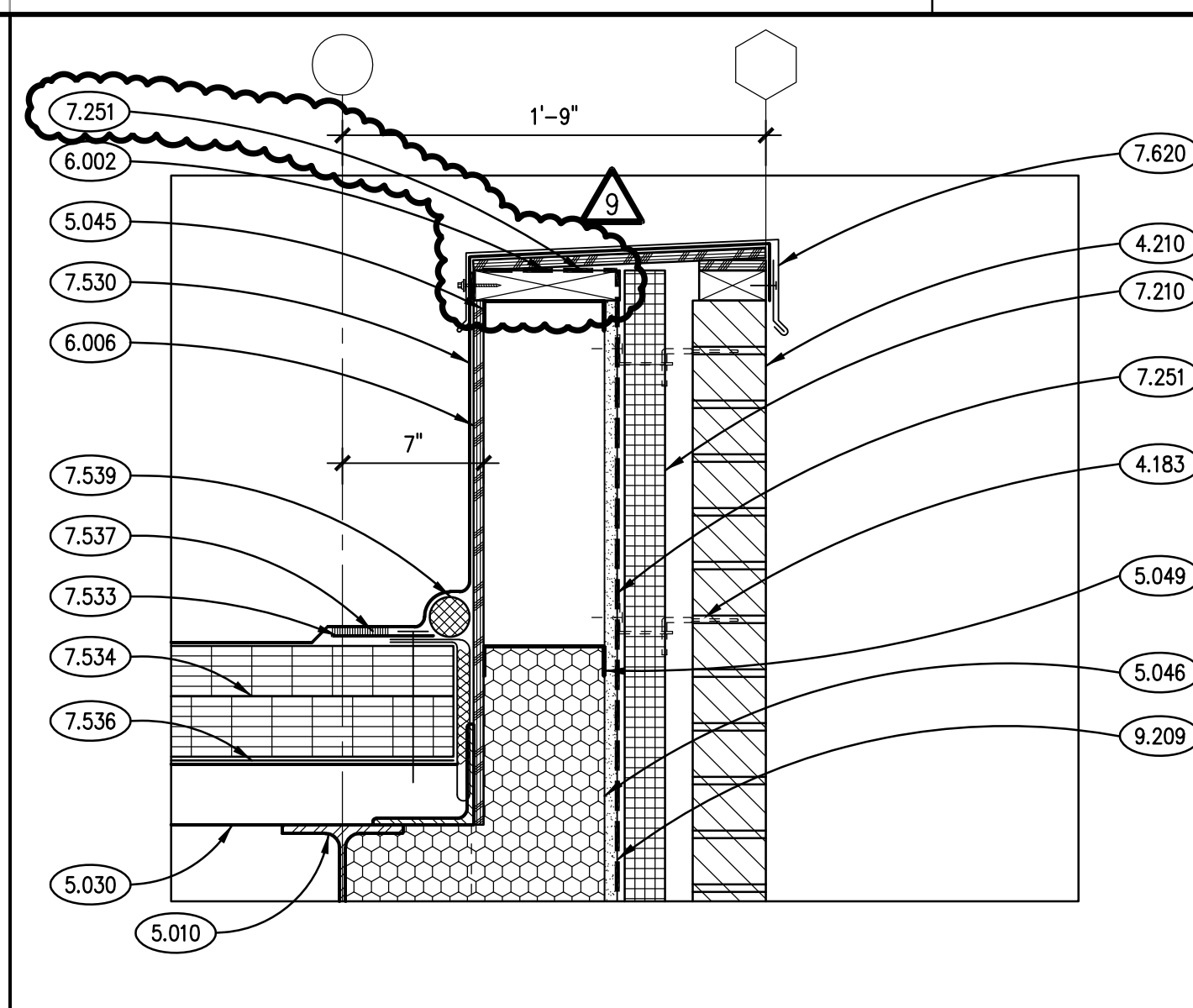
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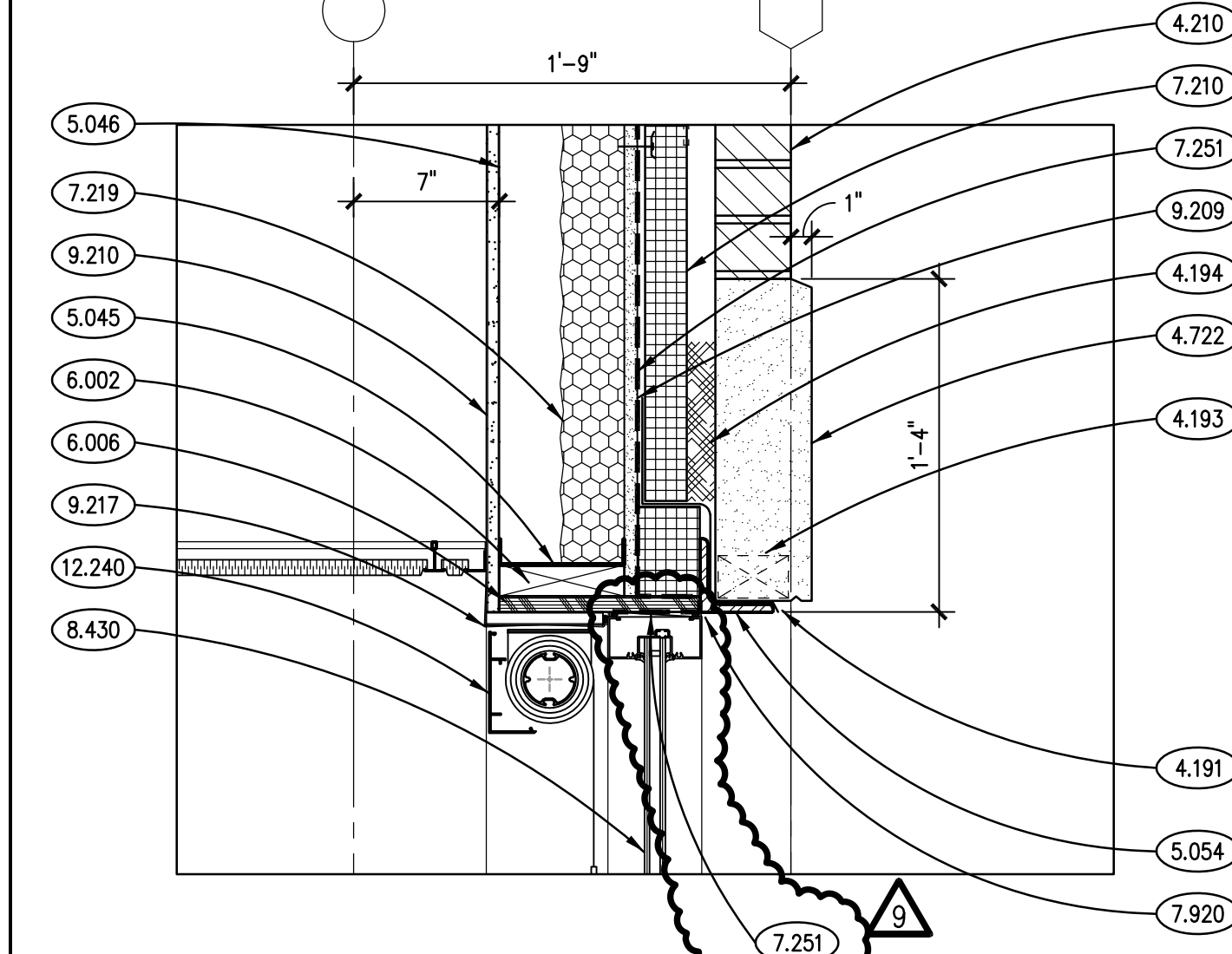
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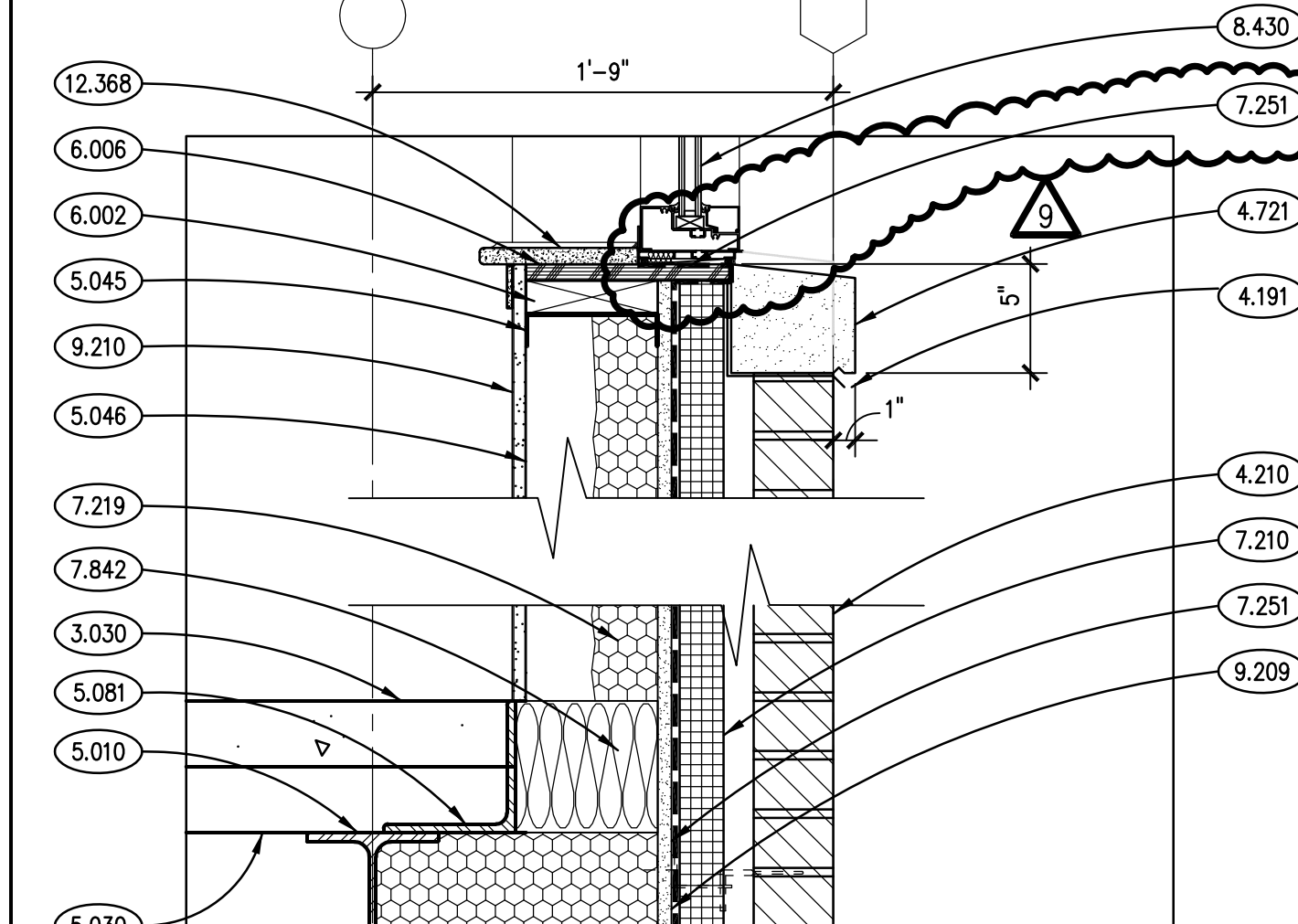
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SCALE: 1 1/2" = 1'-0" **5**



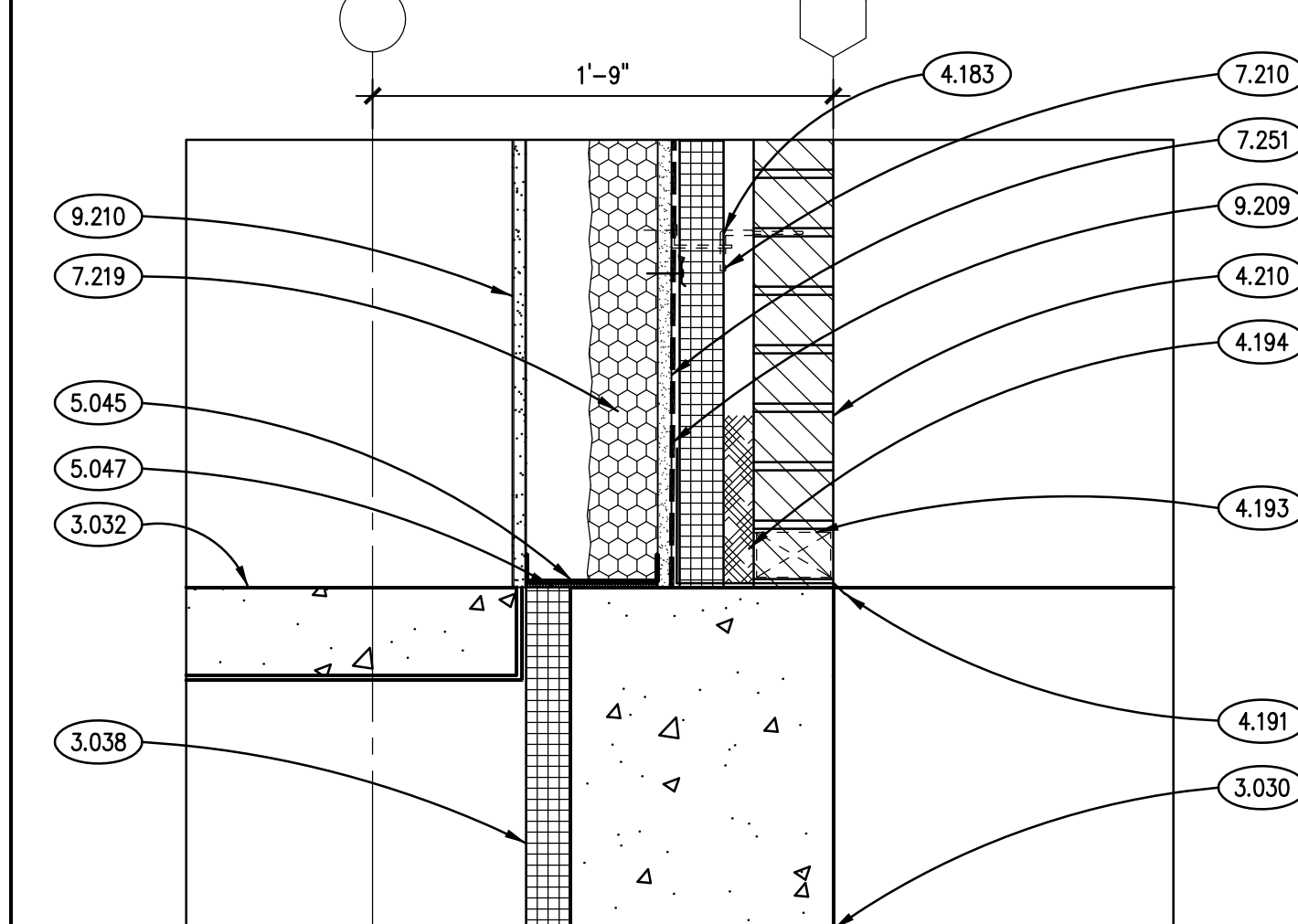
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SCALE: 1 1/2" = 1'-0" **4**



**TYPICAL SECTION DETAIL**  
SCALE: 1 1/2" = 1'-0" **3**



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



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

## KEYNOTES

KEYNOTES ARE NOT ALWAYS REPEATED ACROSS ALL DRAWINGS ON THIS SHEET. AN UN-KEYNOTED ITEM ON THIS SHEET IS THE SAME AS A KEYNOTED ITEM ON THIS SHEET HAVING THE SAME GRAPHIC APPEARANCE.

- 3.030 CAST-IN-PLACE CONCRETE; REFER TO STRUCTURAL DRAWINGS.
- 3.032 CAST-IN-PLACE CONCRETE; SLAB-ON-GRADE; REFER TO STRUCTURAL DRAWINGS FOR THICKNESS.
- 3.038 CAST-IN-PLACE CONCRETE ACCESSORY: RIGID BOARD INSULATION; 2" THK. MIN. R-5.4 PER INCH THICKNESS. REFER TO SPECIFICATIONS.
- 4.183 MASONRY ANCHORAGE AND REINFORCEMENT: MASONRY VENEER ANCHOR; FOR ATTACHMENT TO COLD-FORMED METAL STUDS.
- 4.187 MASONRY ANCHORAGE AND REINFORCEMENT: CONTINUOUS JOINT REINFORCEMENT; STONE VENEER CAVITY WALL; WITH ADJUSTABLE WALL TIES AND VERTICAL ANCHOR REINFORCING HOOKS; 16" O.C. VERTICAL SPACING.
- 4.188 MASONRY ANCHORAGE AND REINFORCEMENT: ANCHOR BOLT; 1/2" DIA. X 12" LONG; HOOKED; 6"-0" O.C. (MAX); PROVIDE A MINIMUM OF 2 IN EACH BLOCKING PIECE.
- 4.191 MASONRY ACCESSORY: THROUGH-WALL FLASHING; RUBBERIZED ASPHALT SHEET WITH STAINLESS STEEL DRIP EDGE; HOLD BACK RUBBERIZED ASPHALT SHEET AT LEAST 1 INCH FROM EXTERIOR FACE OF WALL.
- 4.193 MASONRY ACCESSORY: WEEP VENT.
- 4.194 MASONRY ACCESSORY: MORTAR DROPPING CONTROL DEVICE.
- 4.195 MASONRY ACCESSORY: CAVITY WALL INSULATION; 3" THK. EXTRUDED POLYSTYRENE (XPS) U.N.O.; MIN. R-5.4 PER INCH THICKNESS.
- 4.210 BRICK MASONRY VENEER; MODULAR; RUNNING BOND; REFER TO SPECIFICATIONS.
- 4.312 CONCRETE BLOCK MASONRY; 12" (NOM.) THK.; RUNNING BOND.
- 4.431 STONE MASONRY VENEER; ASHLAR TYPE "SM-1"; REFER TO SPECIFICATIONS.
- 4.720 CAST STONE MASONRY; COPING; SIZE AND CONFIGURATION AS INDICATED; PROVIDE CAST DRIP AT ALL OVERHANG EDGES. SLOPE TOP TO DRAIN WATER AS SHOWN. RAKE OUT MORTAR AND PROVIDE BOND BREAKER AND JOINT SEALANT AT ALL HEAD JOINTS.
- 4.721 CAST STONE MASONRY; SILL COURSE; SIZE AND CONFIGURATION AS INDICATED; PROVIDE CAST DRIP AT ALL OVERHANG EDGES. SLOPE TOP TO DRAIN AS SHOWN. RAKE OUT MORTAR AND PROVIDE BOND BREAKER AND JOINT SEALANT AT ALL HEAD JOINTS.
- 4.722 CAST STONE MASONRY; HEADER COURSE; SIZE AND CONFIGURATION AS INDICATED; PROVIDE CAST DRIP AT ALL OVERHANG EDGES. SLOPE TOP TO DRAIN AS SHOWN. RAKE OUT MORTAR AND PROVIDE BOND BREAKER AND JOINT SEALANT AT ALL HEAD JOINTS.
- 4.801 MASONRY ASSEMBLY: CONTINUOUS BOND BEAM WITH REINFORCING AND GROUT; PROVIDE (2)-#4 BARS U.N.O. COORDINATE ELEVATION WITH BEARING CONDITIONS AND ADJACENT WALL CONSTRUCTION; BOND BEAM LENGTH TO BE DISTANCE BETWEEN CONTROL JOINTS.
- 5.010 STRUCTURAL STEEL: FRAMING MEMBER; REFER TO STRUCTURAL DRAWINGS.
- 5.030 STEEL DECK; REFER TO STRUCTURAL DRAWINGS.
- 5.042 COLD-FORMED METAL FRAMING; 2" Z-FURRING; HORIZONTALLY @ 24" O.C.
- 5.043 COLD-FORMED METAL FRAMING; 3" Z-FURRING; HORIZONTALLY @ 24" O.C.
- 5.045 COLD FORMED METAL FRAMING: STUD RUNNER; SIZE TO MATCH METAL STUDS.
- 5.046 COLD-FORMED METAL FRAMING: 6" STUD; REFER TO STRUCTURAL DRAWINGS.
- 5.047 COLD-FORMED METAL FRAMING ACCESSORY: CONTINUOUS SILL GASKET; REFER TO SPECIFICATIONS.
- 5.049 COLD-FORMED METAL FRAMING: DISCONTINUOUS STUD RUNNER; SIZE TO MATCH METAL STUDS.
- 5.054 METAL FABRICATION: STEEL LINTEL; REFER TO STRUCTURAL DRAWINGS.
- 5.081 METAL FABRICATION: STEEL ANGLE; REFER TO STRUCTURAL DRAWINGS.
- 6.001 WOOD BLOCKING: DIMENSIONAL LUMBER; SIZE AS INDICATED; REFER TO SCHEDULE FOR TREATMENT.
- 6.002 WOOD BLOCKING: DIMENSIONAL LUMBER; SIZE AS REQUIRED; REFER TO SCHEDULE FOR TREATMENT.
- 6.008 PLYWOOD; 1/2" THICK; REFER TO SPECIFICATIONS FOR TREATMENT.
- 7.210 INSULATION: BOARD; EXTRUDED POLYSTYRENE (XPS); MIN. R-5.4 PER INCH THICKNESS; 2" THICKNESS UNLESS INDICATED OTHERWISE.
- 7.214 INSULATION: MINERAL FIBER BOARD; MIN. R-4.2 PER INCH THICKNESS; 2" THICKNESS UNLESS INDICATED OTHERWISE.
- 7.219 FOAMED-IN-PLACE INSULATION; THICKNESS AS REQUIRED TO ACHIEVE A MINIMUM THERMAL RESISTANCE OF R-21 (UNLESS NOTED OTHERWISE); APPLY INTUMESCENT COATING TO ALL SURFACES NOT SEPARATED FROM THE BUILDING INTERIOR BY GYPSUM WALLBOARD.
- 7.251 WEATHER BARRIER COATING: SPRAY-APPLIED; REFER TO SPECIFICATIONS.
- 7.255 WEATHER BARRIER ACCESSORY: BASE FLASHING; 0.032" ALUMINUM; REFER TO SPECIFICATIONS.
- 7.420 METAL WALL PANEL SYSTEM: PREFINISHED WITH CONCEALED FASTENERS; REFER TO SPECIFICATIONS.
- 7.427 METAL WALL PANEL SYSTEM ACCESSORY: PREFINISHED EXTRUDED ALUMINUM BASE TRIM.
- 7.430 METAL COMPOSITE PANEL SYSTEM: PREFINISHED WITH CONCEALED FASTENERS; REFER TO SPECIFICATIONS.
- 7.530 ELASTOMERIC MEMBRANE ROOFING SYSTEM: FULLY ADHERED.
- 7.533 ELASTOMERIC MEMBRANE ROOFING MATERIAL: FLEXIBLE EPDM FLASHING.
- 7.534 ELASTOMERIC MEMBRANE ROOFING MATERIAL: RIGID INSULATION; 2 LAYERS; 3 INCH OVER 2 1/2 INCH; 5/8 INCHES TOTAL THICKNESS; R-30.8 (MIN.).
- 7.536 ELASTOMERIC MEMBRANE ROOFING MATERIAL: VAPOR RETARDER.
- 7.537 ELASTOMERIC MEMBRANE ROOFING MATERIAL: ADHESIVE.
- 7.538 ELASTOMERIC MEMBRANE ROOFING ACCESSORY: TERMINATION BAR WITH SEALANT BEAD.
- 7.539 ELASTOMERIC MEMBRANE ROOFING ACCESSORY: FLEXIBLE FOAM ROD.
- 7.620 METAL COPING FLASHING; THICKNESS AND FINISH AS SPECIFIED.
- 7.621 METAL COUNTERFLASHING RECEIVER; EMBEDDED IN MASONRY; MATERIAL, THICKNESS AND FINISH AS SPECIFIED.
- 7.622 METAL COUNTERFLASHING: MATERIAL, THICKNESS AND FINISH AS SPECIFIED.
- 7.842 FIRESAFING; REFER TO SPECIFICATIONS.
- 7.920 JOINT SEALANT; REFER TO SCHEDULE IN SPECIFICATION SECTION 07 92 00; PROVIDE BACKER ROD OR BOND BREAKER.
- 8.430 ALUMINUM STOREFRONT FRAMING.
- 8.435 ALUMINUM STOREFRONT ACCESSORY: 0.040" SHEET ALUMINUM SILL FLASHING; FINISH TO MATCH STOREFRONT FRAMING.
- 9.209 GYPSUM BOARD; 5/8" THK.; EXTERIOR GRADE. GLASS MAT FACED.
- 9.210 GYPSUM BOARD; 5/8" THK.; TYPE "X".
- 9.217 GYPSUM BOARD ACCESSORY: CORNER BEAD.
- 9.223 METAL STUD FRAMING: 3-5/8" STUD; 16" O.C. SPACING; 20 GAUGE UNLESS NOTED OTHERWISE; ANCHORAGE TO SUIT APPLICATION.
- 9.510 ACOUSTICAL CEILING PANELS AND GRID. REFER TO A900 SERIES DRAWINGS AND SPECIFICATIONS.
- 12.240 ROLLER WINDOW SHADES: MANUALLY OPERATED.
- 12.368 COUNTERTOP: SOLID SURFACE WINDOW SILL; 1/2" EDGE THICKNESS WITH 1 1/2" PROJECTION; 1/4" RADIUS TOP EDGE, AND 1/2" THICK X 2" HIGH APRON BENEATH, U.N.O.

## GENERAL NOTES

- REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
- COORDINATE FIRE RATED ASSEMBLIES INFORMATION CONTAINED ON DRAWING G301 & G302 WITH THE WORK OF ALL CONTRACTS.
- REFER TO A600 SERIES BUILDING SECTION DRAWINGS FOR TOP OF FLOOR AND TOP OF MASONRY ELEVATIONS.
- REFER TO STRUCTURAL LINTEL DRAWINGS FOR BOTTOM OF LINTEL ELEVATIONS.
- IN METAL STUD/GYPSUM BOARD PARTITIONS, WALLS AND CEILINGS, PROVIDE 2X FIRE RETARDANT TREATED WOOD BLOCKING FOR WALL-MOUNTED & CEILING-MOUNTED ITEMS REQUIRING MECHANICAL ANCHORAGE.
- WHERE DETAILS REQUIRE JOINT SEALANT TO SEAL WEATHER BARRIER COATING TO ADJACENT CONSTRUCTION AT OPENINGS AND PENETRATIONS, PROVIDE BOND TESTING TO PROVE THAT JOINT SEALANT BONDS ADEQUATELY TO WEATHER BARRIER COATING, OR PROVIDE 0.032" ALUMINUM CORNER FLASHING, SEALED TO WEATHER BARRIER.



1	1001/18	B.P. #1 - ADDENDUM #1	
3	1010/18	B.P. #1 - ADDENDUM #3	
5	1112/18	B.P. #1 - PLAN REVIEW COMMENTS	
6	1031/18	B.P. #2 - ADDENDUM #1	
7	1002/18	B.P. #2 - ADDENDUM #2	
8	1108/18	B.P. #2 - ADDENDUM #3	
9	1113/18	B.P. #2 - ADDENDUM #5	
JOB NO.		17-401-1124	
DRAWN		PJT/HMA	
CHECKED		CDH	
APPROVED		CJH	
SHEET TITLE			

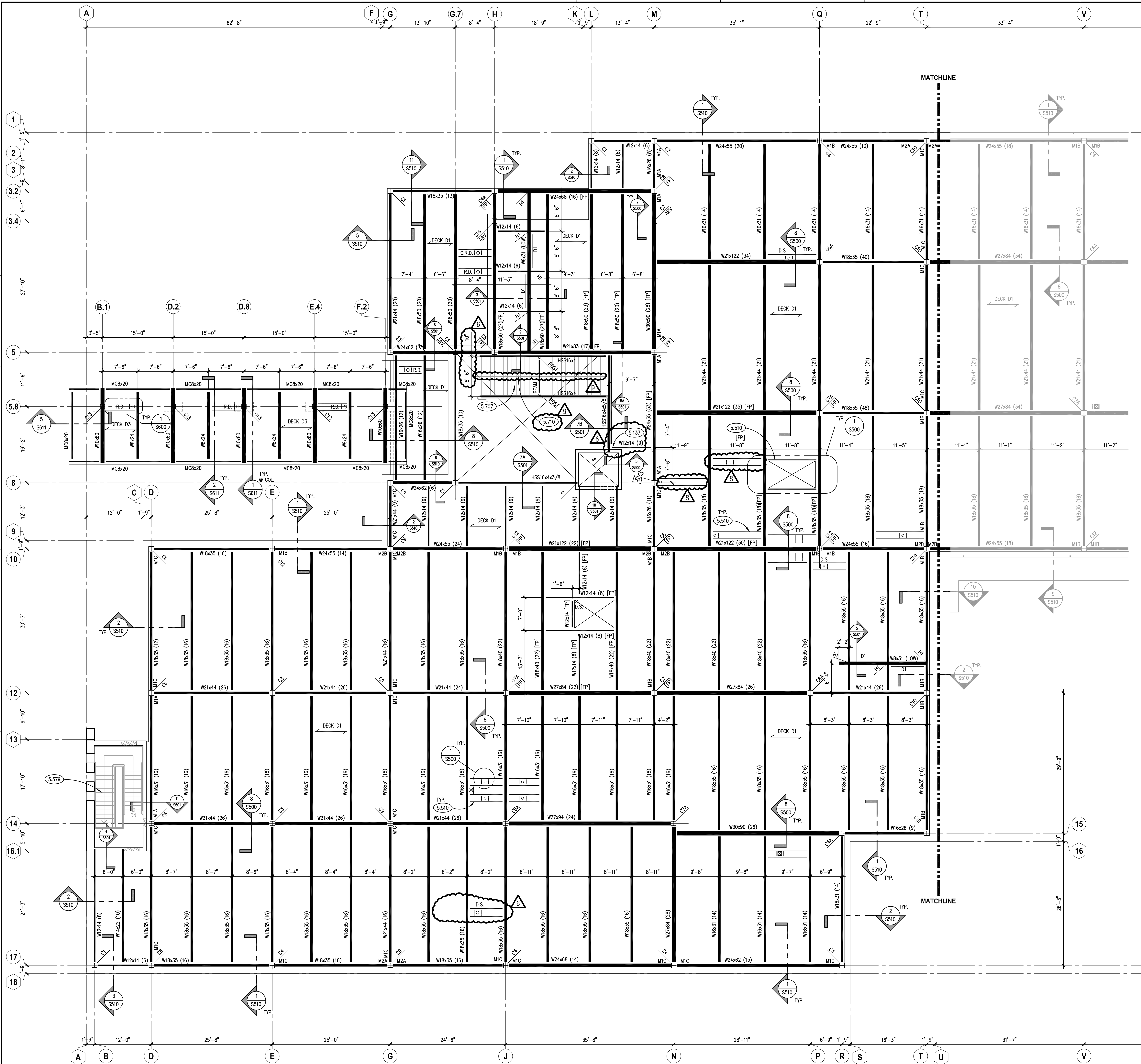
KEYNOTES ARE NOT ALWAYS REPEATED ACROSS ALL DRAWINGS ON THIS SHEET. AN UN-KEYNOTED ITEM ON THIS SHEET IS THE SAME AS A KEYNOTED ITEM ON THIS SHEET HAVING THE SAME GRAPHIC APPEARANCE.

- ## GENERAL NOTES

1. REFER TO DRAWING G200 FOR PROJECT GENERAL NOTES.
2. COORDINATE FIRE RATED ASSEMBLIES INFORMATION CONTAINED ON DRAWING G301 & G302 WITH THE WORK OF ALL CONTRACTS.
3. REFER TO A600 SERIES BUILDING SECTION DRAWINGS FOR TOP OF FLOOR AND TOP OF MASONRY ELEVATIONS.
4. REFER TO STRUCTURAL LINTEL DRAWINGS FOR BOTTOM OF LINTEL ELEVATIONS.
5. IN METAL STUD/CYSPERM BOARD PARTITIONS, WALLS AND CEILINGS, PROVIDE 2X FIRE RETARDANT TREATED WOOD BRACING FOR WALL-MOUNTED & CEILING-MOUNTED ITEMS REQUIRING MECHANICAL ANCHORAGE.
6. WHERE DETAILS REQUIRE JOINT SEALANT TO SEAL WEATHER BARRIER COATING TO ADJACENT CONSTRUCTION AT PENETRATIONS, PROVIDE BOND TESTING TO PROVE THAT JOINT SEALANT BONDS ADEQUATELY TO WEATHER BARRIER COATING, OR PROVIDE 0.032" ALUMINUM CORN FLAMING, SEALED TO WEATHER BARRIER.







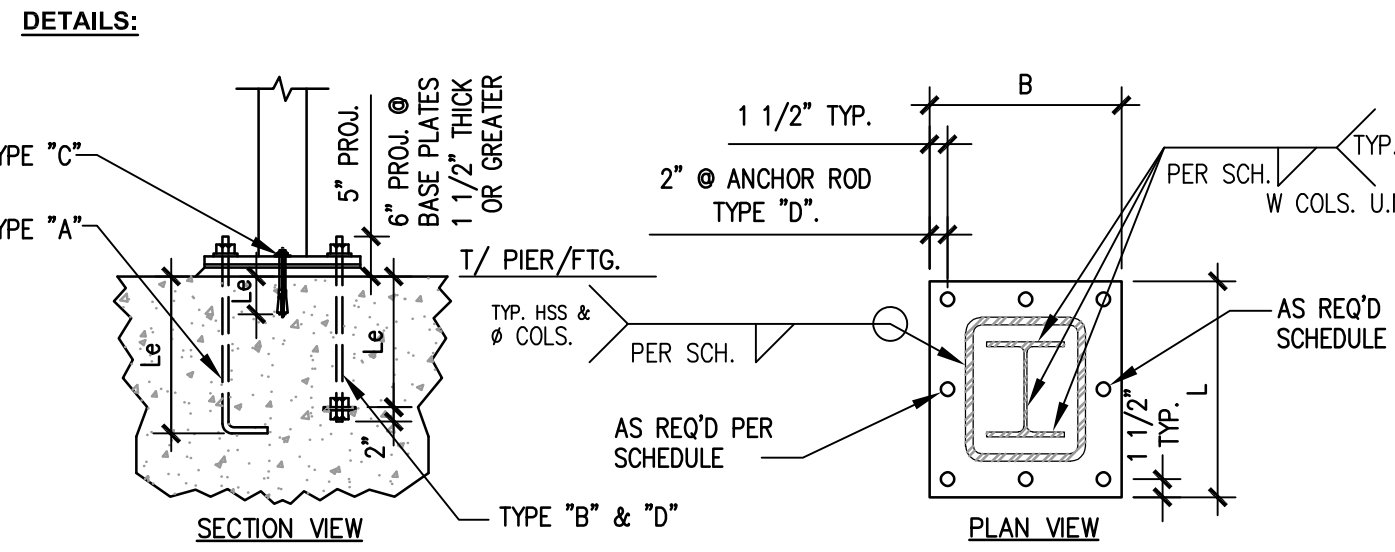
### KEYNOTES

- KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.
- 5.137 STRUCTURAL STEEL: STANDARD SINGLE SIDED CLIP ANGLE CONNECTION WITH 3/4" A325N BOLTS U.N.O.
- 5.510 METAL FABRICATION: ANGLE FRAME AS REQUIRED TO ACCOMMODATE ARCHITECTURAL AND M.E.P. OPENINGS. SEE DRAFTING LEGEND ON SHEET 5010 FOR FRAME TYPE DEPICTED. FRAMES REQUIRED FOR ALL OPENINGS 1'-0" AND LARGER AND WHEN MULTIPLE PENETRATIONS IN CLOSE PROXIMITY TO EACH OTHER CAUSE DECK TO BE UNSTABLE. TYPICAL APPLICATIONS INCLUDE, BUT NOT LIMITED TO FLOOR DRAINS, DOWNSPOUTS, PIPING, ROOF DRAINS, SKYLIGHTS, DUCT PENETRATIONS, CURBS OF MECHANICAL EQUIPMENT. COORDINATE SIZE, LOCATION AND QUANTITY WITH ARCHITECTURAL DRAWINGS, M.E.P. DRAWINGS AND CONTRACTORS. ANGLE SIZES AS NOTED.
- 5.579 METAL FABRICATION: COMMERCIAL CLASS STAIR AND LANDING (UPPER AND LOWER) CONSTRUCTION BY STAIR CONTRACTOR. CONTRACTOR TO PROVIDE ALL ASSOCIATED DESIGN AND DETAILING AS REQUIRED. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION. NOTE: ALL HEADER ELEMENTS AND STRINGERS SHALL EXTEND INTO WALLS AND BEAR ON BEARING PLATES. POST INSTALLED ANCHORS INTO SEAT ANGLES, ETC. WILL NOT BE PERMITTED STAIR DETAILER TO BE CONIZANT OF AESTHETICS ASSOCIATED WITH CONNECTIONS AND FRAMING ELEMENTS AT LOCATIONS THAT WILL BE EXPOSED TO VIEW (I.E. BEHIND GLAZING, NO CEILINGS, ETC.).
- 5.707 METAL FABRICATION: ARCHITECTURAL CLASS STAIR AND LANDING (UPPER AND LOWER) CONSTRUCTION BY STAIR CONTRACTOR. CONTRACTOR TO PROVIDE ALL ASSOCIATED DESIGN AND DETAILING AS REQUIRED. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION. NOTE: NOMINAL STAIR STRINGER SIZE AS NOTED. PROVIDE BEAM AND POSTS BELOW INTERMEDIATE LANDING CONCEALED IN WALL FRAMING. PROVIDE CLOSURE PLATES ON ENDS OF TUBE STRINGERS AT EXPOSED LOCATIONS.
- 5.710 METAL FABRICATION: STAINLESS STEEL RAILING SYSTEM. SEE 12/S500 FOR PROPOSED CONNECTION CONCEPT. SEE ARCHITECTURAL DRAWINGS FOR RAILING DETAILS.

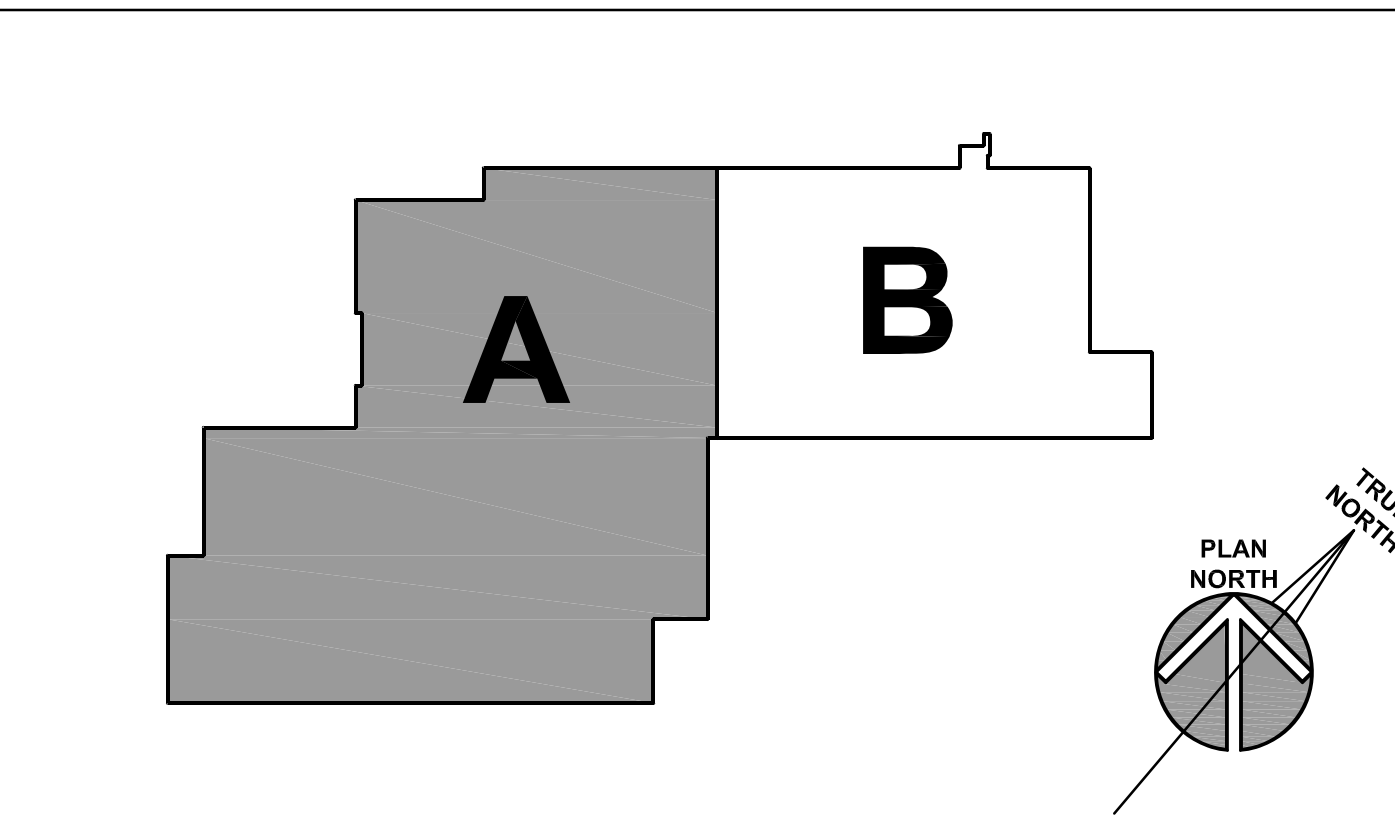
### COLUMN SCHEDULE, NOTES AND DETAILS

MARK	ELEMENT SIZE	BASEPLATE				ANCHOR ROD				SPECIAL COMMENTS
		THICK (t)	WIDTH (B)	LENGTH (L)	WELD	DIA.	TYPE	QTY.	L <sub>e</sub>	
C1	W8x24	3/4"	1'-2"	1'-2"	1/4"	3/4"	A	4	12"	
C2	W8x31	3/4"	1'-2"	1'-2"	1/4"	3/4"	A	4	12"	
C3	W12x40	1 1/2"	1'-6"	1'-6"	1/4"	1"	B	4	24"	
C4	W12x45	1 1/2"	1'-6"	1'-6"	1/4"	1"	B	8	24"	WELD ALL AROUND.
C4A	W12x45	1 1/2"	1'-6"	1'-6"	1/4"	1"	B	4	24"	
C5	W12x50	1 1/2"	1'-6"	1'-6"	1/4"	1"	B	8	24"	WELD ALL AROUND.
C5A	W12x50	1 1/2"	1'-6"	1'-6"	1/4"	1"	B	4	24"	
C6	W12x53	1 1/2"	1'-6"	1'-6"	1/4"	1"	B	8	24"	WELD ALL AROUND.
C6A	W12x53	1 1/2"	1'-6"	1'-6"	1/4"	1"	B	4	24"	
C7	W12x58	1 1/2"	1'-6"	1'-6"	1/4"	1"	B	8	24"	WELD ALL AROUND.
C7A	W12x58	1 1/2"	1'-6"	1'-6"	1/4"	1"	B	4	24"	
C8	W12x65	1 3/4"	1'-7"	1'-7"	5/16"	1 1/4"	D	8	30"	WELD ALL AROUND.
C9	W12x72	1 3/4"	1'-7"	1'-7"	5/16"	1 1/4"	D	8	30"	WELD ALL AROUND.
C10	W12x79	1 3/4"	1'-7"	1'-7"	5/16"	1 1/4"	D	8	30"	WELD ALL AROUND.
C11	W12x87	2"	1'-7"	1'-7"	5/16"	1 1/4"	D	8	30"	WELD ALL AROUND.
C12	W12x106	2"	1'-7"	1'-7"	5/16"	1 1/4"	D	8	30"	WELD ALL AROUND.
C13	HSS12x12x5/8	1 3/4"	1'-7"	1'-7"	5/16"	1 1/4"	D	8	30"	WELD ALL AROUND.
C14	HSS4x4x1/4	1/2"	10"	10"	1/4"	3/4"	A	4	12"	
C15	12x49.5x1/4	1"	1'-1"	1'-6"	5/16"	1 1/4"	D	8	30"	
C16	6x18.75x1/4	1/2"	7"	1'-0"	1/4"	3/4"	A	4	12"	GALVANIZE

- NOTES:**
- SEE PLAN FOR COLUMN LOCATIONS.
  - MATERIAL PROPERTIES:
    - PLATES=ASTM A36
    - W SHAPES=ASTM A992 (F<sub>y</sub>=50 KSI)
    - HSS SHAPES=ASTM A500, GRADE B (F<sub>y</sub>=46 KSI)
    - PIPE=ASTM A53, GRADE B (F<sub>y</sub>=36 KSI)
    - ANCHOR RODS: TYPE A=ASTM F1554, F<sub>y</sub>=36 KSI; TYPE B=A36, FULLY THREADED; TYPE C=POST INSTALLED. TYPE AS NOTED.
  - WELDING ELECTRODES=E70xx
  - ALL ANCHOR RODS, NUTS, WASHERS AND PLATES TO BE GALVANIZED.
  - PROVIDE MASONRY ANCHORS @ 16" O.C. VERTICALLY ON ALL FACES OF COLUMNS ADJACENT TO MASONRY CONSTRUCTION. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS.
  - ALL COLUMNS TO HAVE MINIMUM OF 1/2" CAP PLATE U.N.O. ON SECTIONS AND DETAILS. WELD OF CAP PLATE TO COLUMN TO MATCH WELD OF BASE PLATE TO COLUMN SHOWN BELOW.
  - PROVIDE ALL PLATES, ANGLES, ETC. WELDED TO COLUMNS TO SUPPORT METAL DECKING, PRECAST, ETC. FOR COLUMNS WHICH PENETRATE FLOORS.
  - ANCHOR ROD TYPE "A" REQUIRE 4" HOOK. ANCHOR ROD TYPE "B" REQUIRE 3/8"x3"x3" WASHER PLATES AT BOTTOM. ANCHOR ROD TYPE "D" REQUIRE 1/2"x5"x5" WASHER PLATES AT BOTTOM PROVIDE STANDARD NUTS AND WASHERS FOR ALL ANCHOR RODS. PROVIDE ANCHOR ROD TYPE "C" POST INSTALLED ANCHOR AS NOTED.
  - MINIMUM OF (4) ANCHOR RODS ARE REQUIRED AT EACH COLUMN AND LOCATED AT EACH CORNER U.N.O. ANCHOR ROD QUANTITIES GREATER THAN (4) ARE TO BE PLACED BETWEEN THE CORNER BOLTS AS NOTED.
  - 1/4" SETTING PLATE IS REQUIRED AT ALL LOCATIONS U.N.O. SETTING PLATE TO MATCH BASEPLATE FOOTPRINT.
  - BOTTOM OF BASEPLATE TO BE 1" (3/4" GROUT BED + 1/4" SETTING PLATE) ABOVE TOP OF PIER/FOOTING U.N.O.
  - PROVIDE ALL COLUMN SPLICES AS REQUIRED PER OSHA'S LATEST REGULATIONS. TYPE OF COLUMN SPLICE TO BE IMPLEMENTED SHALL BE AT THE FABRICATOR'S OPTION AND PER THE "AISC STEEL CONSTRUCTION MANUAL." THE FABRICATOR'S CONNECTION ENGINEER SHALL BE RESPONSIBLE FOR THE DESIGN AND DETAILING OF THE SPLICE. SUBMIT CALCULATIONS IN ACCORDANCE WITH THE PROJECT DRAWINGS AND SPECIFICATIONS. \* FOR ANY COLUMN THAT IS PART OF A MOMENT FRAME, A CLIP WELDED SPLICE IS REQUIRED. FOR COLUMNS THAT ARE NOT PART OF MOMENT FRAMES, BOLTED SPLICES ARE PERMITTED. MOMENT FRAME COLUMNS ARE DEFINED AS ANY COLUMNS WHICH HAVE BEAM CONNECTIONS TO THE COLUMN USING THE CONNECTIONS DEFINED ON SHEET S601.



### KEY PLAN



PARTIAL SECOND FLOOR FRAMING PLAN - AREA 'A'  
SCALE: 1/8" = 1'-0"

KLUBER

Architects + Engineers

Blauvelt, Illinois 60510  
Tel. 630.406.2113  
Gurnee, Illinois 60031  
Tel. 847.336.4428  
www.kluberinc.com

WILL COUNTY HEALTH DEPARTMENT

THE COUNTY OF WILL  
501 ELLA AVENUE  
JOLIET, IL 60433

ISSUED	17-401-1124
1. 10/01/18 B.P. #1 - ADDENDUM #1	
2. 10/01/18 B.P. #1 - ADDENDUM #1	
3. 10/01/18 B.P. #1 - ADDENDUM #1	
4. 10/01/18 B.P. #1 - ADDENDUM #1	
5. 10/01/18 B.P. #1 - ADDENDUM #1	
6. 10/01/18 B.P. #1 - ADDENDUM #1	
7. 10/01/18 B.P. #1 - ADDENDUM #1	
8. 10/01/18 B.P. #1 - ADDENDUM #1	
9. 10/01/18 B.P. #1 - ADDENDUM #1	
10. 10/01/18 B.P. #1 - ADDENDUM #1	

JOB NO.

DRAWN

CHECKED

APPROVED

VAD

JMB

JMB

SHEET TITLE

PARTIAL SECOND FLOOR FRAMING PLAN - AREA 'A'

SHEET NUMBER

S321



ISSUED	DATE	BY	FOR
1	10/10/18	B.P. #1 - ADDENDUM #1	17-401-1124
2	10/10/18	B.P. #2 - MISC. ST. L. STRUCT. ENCL.	17-401-1124
3	10/23/18	B.P. #2 - MISC. ST. L. STRUCT. ENCL.	17-401-1124
4	10/23/18	B.P. #2 - MISC. ST. L. STRUCT. ENCL.	17-401-1124
5	10/23/18	B.P. #2 - MISC. ST. L. STRUCT. ENCL.	17-401-1124
6	10/23/18	B.P. #2 - MISC. ST. L. STRUCT. ENCL.	17-401-1124
7	11/02/18	B.P. #2 - ADDENDUM #2	17-401-1124
8	11/08/18	B.P. #2 - ADDENDUM #2	17-401-1124
9	11/12/18	B.P. #2 - ADDENDUM #2	17-401-1124

JOB NO. 17-401-1124  
DRAWN VAD  
CHECKED JMB  
APPROVED JMB

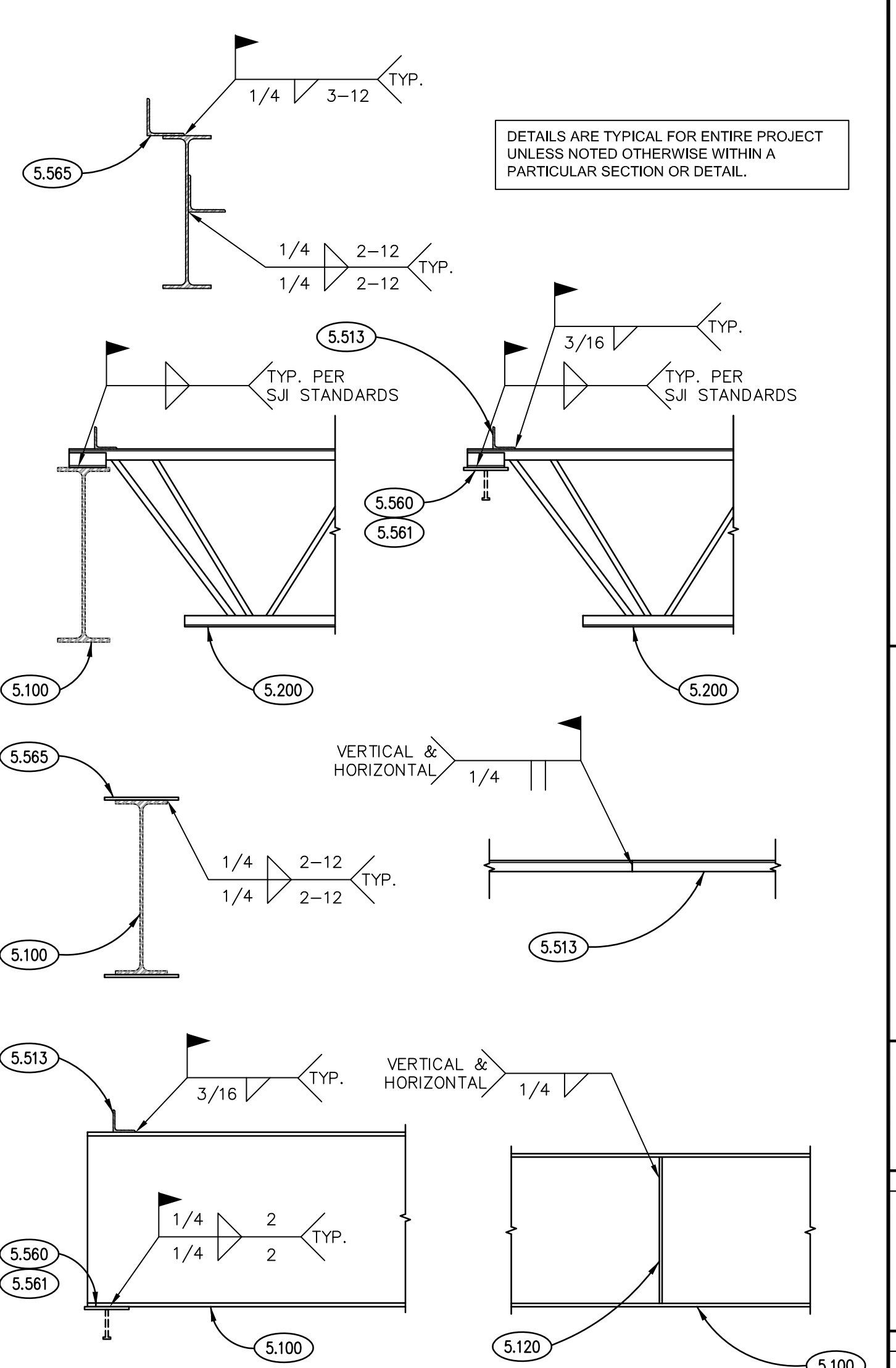
SHEET TITLE  
STANDARD  
FLOOR FRAMING  
SECTIONS  
AND DETAILS

SHEET NUMBER

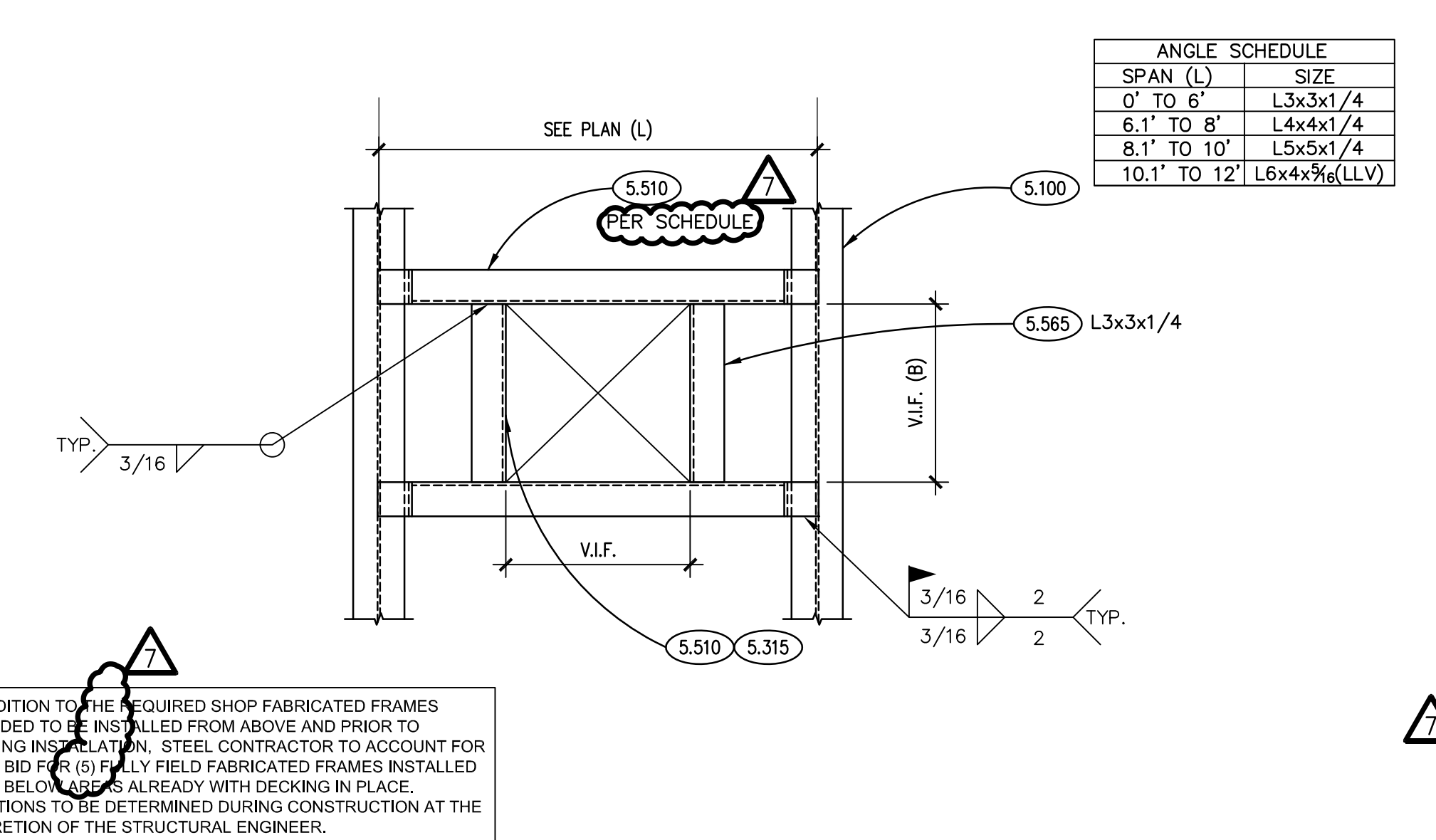
**S500**

## KEYNOTES

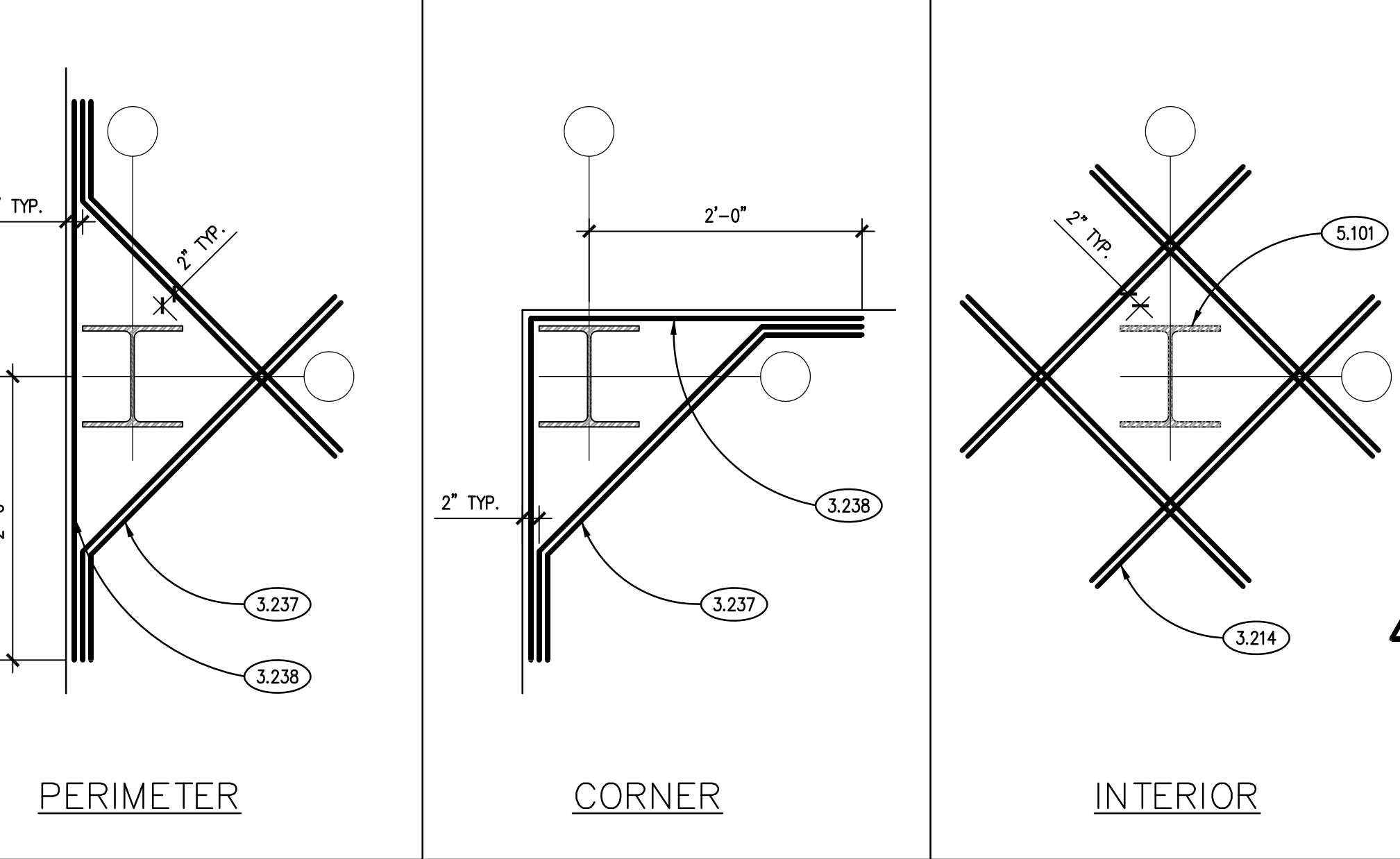
- KEYNOTES ARE TYPICALLY NOT DUPLICATED WITHIN A GIVEN DETAIL. AN UN-KEYNOTED ITEM IN A DETAIL IS THE SAME AS A KEYNOTED ITEM HAVING THE SAME APPEARANCE WITHIN THE SAME DETAIL.
- 3.120 CONCRETE FORMING AND ACCESSORIES: 1/4" DIAMOND DOWEL SYSTEM @ 1'-0" O.C.
  - 3.214 CONCRETE REINFORCING: (2)-#4x4'-0" LONG DOWELS CENTERED ON JOINT AND SLAB/WALL DEPTH.
  - 3.223 CONCRETE REINFORCING: #4x4'-0" LONG BARS AT 2'-0" O.C. PROVIDE AT ALL ORDER LINES, LOAD BEARING WALLS AND DECK TRANSITIONS U.N.O.
  - 3.227 CONCRETE REINFORCING: (1)-#4x1'-6" LONG BAR ON EACH SIDE OF HANGER ROD.
  - 3.237 CONCRETE REINFORCING: (2)-#4 BARS AS DEPICTED CENTERED IN SLAB DEPTH.
  - 3.238 CONCRETE REINFORCING: (1)-#5 DOWEL CENTERED IN SLAB DEPTH.
  - 3.250 CONCRETE REINFORCING: WMF REFER TO SLAB CALLOUT ON PLAN. PROVIDE WMF-6X6 W2.1 X W2.1 IN FLAT SHEETS U.N.O. PROVIDE PROPER SUPPORT AS REQUIRED TO MAINTAIN PLACEMENT AT NOTED ELEVATION. "PULL UP" METHOD DURING SLAB PLACEMENT NOT ACCEPTABLE. DISCONTINUE AT CONTRACTION AND CONSTRUCTION JOINTS.
  - 3.307 CAST-IN-PLACE CONCRETE: SLAB ON METAL DECK. REFER TO PLAN, SCHEDULES AND SPECIFICATIONS FOR THICKNESS, REINFORCING, MIX TYPE AND FINISH.
  - 3.361 CAST-IN-PLACE CONCRETE JOINT DEVICE/FILLER: SLAB CONSTRUCTION JOINT.
  - 3.363 CAST-IN-PLACE CONCRETE JOINT DEVICE/FILLER: SLAB JOINT SEALANT.
  - 4.200 UNIT MASONRY: REFER TO PLANS, SCHEDULES, ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR DETAILED INFORMATION INCLUDING BLOCK SIZE, COURSEING AND FACE BRICK/STONE.
  - 4.201 UNIT MASONRY: CONTINUOUS BOND BEAM WITH REINFORCING AND GROUT. PROVIDE (2)-#4 BARS U.N.O. COORDINATE ELEVATION WITH BEARING CONDITIONS AND ADJACENT WALL CONSTRUCTION. BOND BEAM ELEVATIONS MAY NOT LIKELY TO COINCIDE WITH BEARING PLATE/GRILLAGE BEAM ELEVATIONS. REINFORCING TO RUN CONTINUOUS THROUGH ALL CONTROL/JOINT JOINTS U.N.O.
  - 4.270 MASONRY GROUT: CONTINUOUS GROUTED MASONRY COURSES. REFER TO SPECIFICATIONS. ALL CMU CELLS CONTAINING REBAR/ANCHORS TO BE GROUTED SOLID.
  - 4.280 MASONRY ANCHORAGE AND REINFORCEMENT: CONTINUOUS JOINT REINFORCEMENT: 16" O.C. VERTICAL SPACING.
  - 4.284 MASONRY ANCHORAGE AND REINFORCEMENT: FULL HEIGHT REINFORCING BARS; SET WITH REBAR POSITIONERS. REFER TO PLANS AND SCHEDULES FOR SIZE, QUANTITY AND SPACING. GROUT SOLID INTO PLACE.
  - 5.074 GLAZED DECORATIVE METAL RAILING SYSTEM COMPONENT: STAINLESS STEEL HANDRAIL WITH VERTICAL SUPPORT POSTS SPACED AS INDICATED; WELD POSTS INTO PLAIN STEEL SLEEVES; WELD SLEEVES TO CHANNELS SPANNING BETWEEN STRINGERS BENEATH TREADS AT EACH POST LOCATION PRIOR TO CONCRETE BEING POURED FOR STAIR TREADS.
  - 5.100 STRUCTURAL STEEL: STEEL BEAM. REFER TO PLAN.
  - 5.101 STRUCTURAL STEEL: STEEL COLUMN. REFER TO PLAN AND SCHEDULE.
  - 5.122 STRUCTURAL STEEL: 3/8" STIFFENER PLATE NEAR SIDE AND FAR SIDE OF BEAM WEB U.N.O. OR DEPICTED.
  - 5.124 STRUCTURAL STEEL: STANDARD DOUBLE CLIP ANGLE CONNECTION WITH 3/4" A325N BOLTS U.N.O.
  - 5.200 STEEL JOISTS: STEEL JOIST. REFER TO PLAN.
  - 5.311 STEEL FLOOR DECK: COMPOSITE DECK. REFER TO PLAN AND SCHEDULES.
  - 5.315 STEEL FLOOR DECK: CONTINUOUS LIGHT GAUGE POUR STOP AROUND ENTIRE PERIMETER/EDGE. PROVIDE GAUGE BASED ON OVERHANG DIMENSION PER SDI POUR STOP TABLE. MINIMUM GAUGE TO BE 16 U.N.O.
  - 5.319 STEEL FLOOR DECK: WELDED HEADED SHEAR STUD. REFER TO PLAN FOR SIZE AND QUANTITY. STAGGER STUDS ON EACH SIDE OF CONSTRUCTION JOINTS WHERE APPLICABLE.
  - 5.510 METAL FABRICATION: ANGLE FRAME AS REQUIRED TO ACCOMMODATE ARCHITECTURAL AND M.E.P. OPENINGS. SEE DRAFTING LEGEND ON SHEET S010 FOR FRAME TYPE DEPICTED. FRAMES REQUIRED FOR ALL OPENINGS 1'-0" AND LARGER AND WHEN MULTIPLE PENETRATIONS IN CLOSE PROXIMITY TO EACH OTHER CAUSE DECK TO BE UNSTABLE. TYPICAL APPLICATIONS INCLUDE, BUT NOT LIMITED TO FLOOR DRAINS, DOWNSPOUTS, PIPING, ROOF DRAINS, SKYLIGHTS, DUCT PENETRATIONS AND CURBS OF MECHANICAL EQUIPMENT. COORDINATE SIZE, LOCATION AND QUANTITY WITH ARCHITECTURAL DRAWINGS, M.E.P. DRAWINGS AND CONTRACTORS. ANGLE SIZES AS NOTED.
  - 5.513 METAL FABRICATION: CONTINUOUS STEEL ANGLE. BEAR 4" INTO WALL/PIER AT EACH END OR PERIMETER SUPPORT ELEMENT WHERE APPLICABLE. ANGLE SIZE TO BE L3x3x1/4 U.N.O.
  - 5.516 METAL FABRICATION: CONTINUOUS STEEL ANGLE ANCHORED TO WALL USING POST INSTALLED ANCHORS. ANGLE ORIENTATION AS DEPICTED. ANGLE SIZE TO BE L6x4x3/8 U.N.O. ANCHORS TO BE 3/4" EXPANSION ANCHORS PER PROJECT SPECIFICATIONS. SPACING TO BE 2'-0" O.C. U.N.O. EMBEDMENT TO BE 4 3/4" U.N.O. AT BACK TO BACK LOCATIONS, OFFSET ANCHORS 1'-0" TO AVOID CONFLICTING ANCHORS.
  - 5.560 METAL FABRICATION: STEEL BEARING PLATE AS NOTED. REFER TO SCHEDULE AND PLANS.
  - 5.561 METAL FABRICATION: GRILLAGE BEAM AS NOTED. REFER TO SCHEDULE AND PLANS.
  - 5.565 METAL FABRICATION: MISCELLANEOUS STEEL ELEMENTS AS NOTED. CONNECT TO SUPPORTING ELEMENTS AS DEPICTED.
  - 5.571 METAL FABRICATION: METAL PAN TREADS AND RISERS. REFER TO PLAN AND SCHEDULE. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - 5.579 METAL FABRICATION: COMMERCIAL GLASS STAIR AND LANDING (UPPER AND LOWER) CONSTRUCTION BY STAIR CONTRACTOR. CONTRACTOR TO PROVIDE ALL ASSOCIATED DESIGN AND DETAILING: SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION. NOTE: ALL HEADER ELEMENTS AND STRINGERS SHALL EXTEND INTO WALLS AND BEAR ON BEARING PLATES. POST INSTALLED ANCHORS INTO SEAT ANGLES, ETC. WILL NOT BE PERMITTED. STAIR DETAILER TO BE COGNIZANT OF AESTHETICS ASSOCIATED WITH CONNECTIONS AND FRAMING ELEMENTS AT LOCATIONS THAT WILL BE EXPOSED TO VIEW (I.E. BEHIND GLAZING, NO CEILINGS, ETC.).
  - 5.711 METAL FABRICATION: PIPE SLEEVE WELDED TO MISCELLANEOUS STEEL ELEMENT TO ACCOMMODATE RAILING SYSTEM.
  - 5.712 METAL FABRICATION: CONT. STEEL CHANNEL WITH STIFFENER PLATE (OR AS SELECTED BY STAIR MFG.) TO ALLOW FOR RAILING POST ANCHORAGE. CONNECT TO STRINGERS AT EACH END.
  - 10.732 METAL CANOPY: PREFINISHED WITH SUPPORT RODS. REFER TO SPECIFICATIONS.
  - 23.002 M.E.P. ITEM: HANGER ROD BY TRADE CONTRACTOR.
  - 23.003 M.E.P. ITEM: NUTS AND 1/4"x3"x3" WASHER PLATE BY TRADE CONTRACTOR.
  - 23.004 M.E.P. ITEM: POST INSTALLED ANCHOR BY TRADE CONTRACTOR. TYPE AND SIZE TO BE AS REQUIRED FOR LOADING MAGNITUDE AND TYPE.
  - 23.076 M.E.P. ITEM: ELECTRICAL CONDUIT: MAXIMUM PERMITTED DIAMETER TO BE 3/4". SECURE TO METAL DECK AS REQUIRED TO PREVENT DISLODGING DURING CONCRETE POUR.



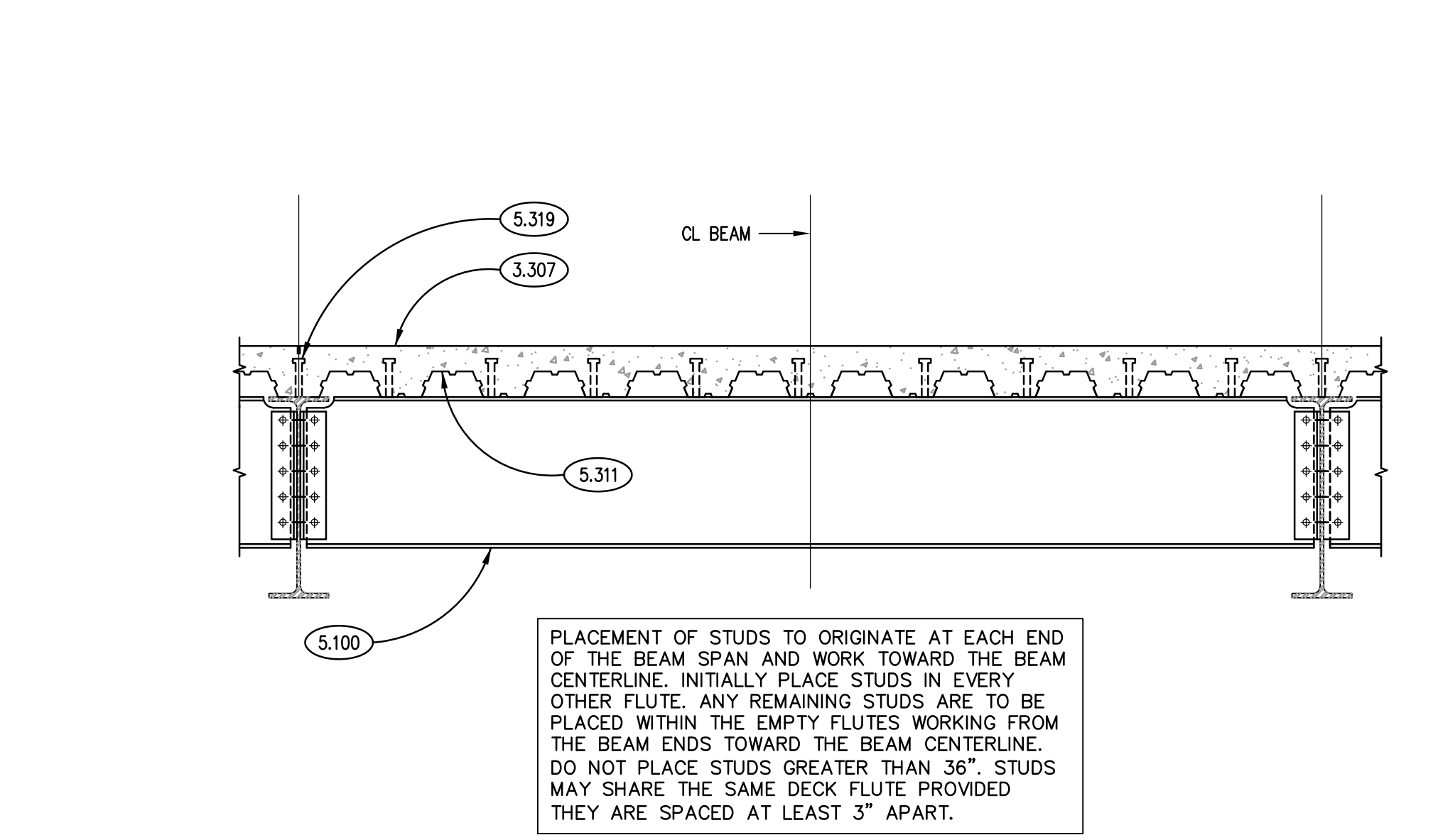
**TYP. WELDED CONNECTION DETAILS**  
SCALE: N.T.S.



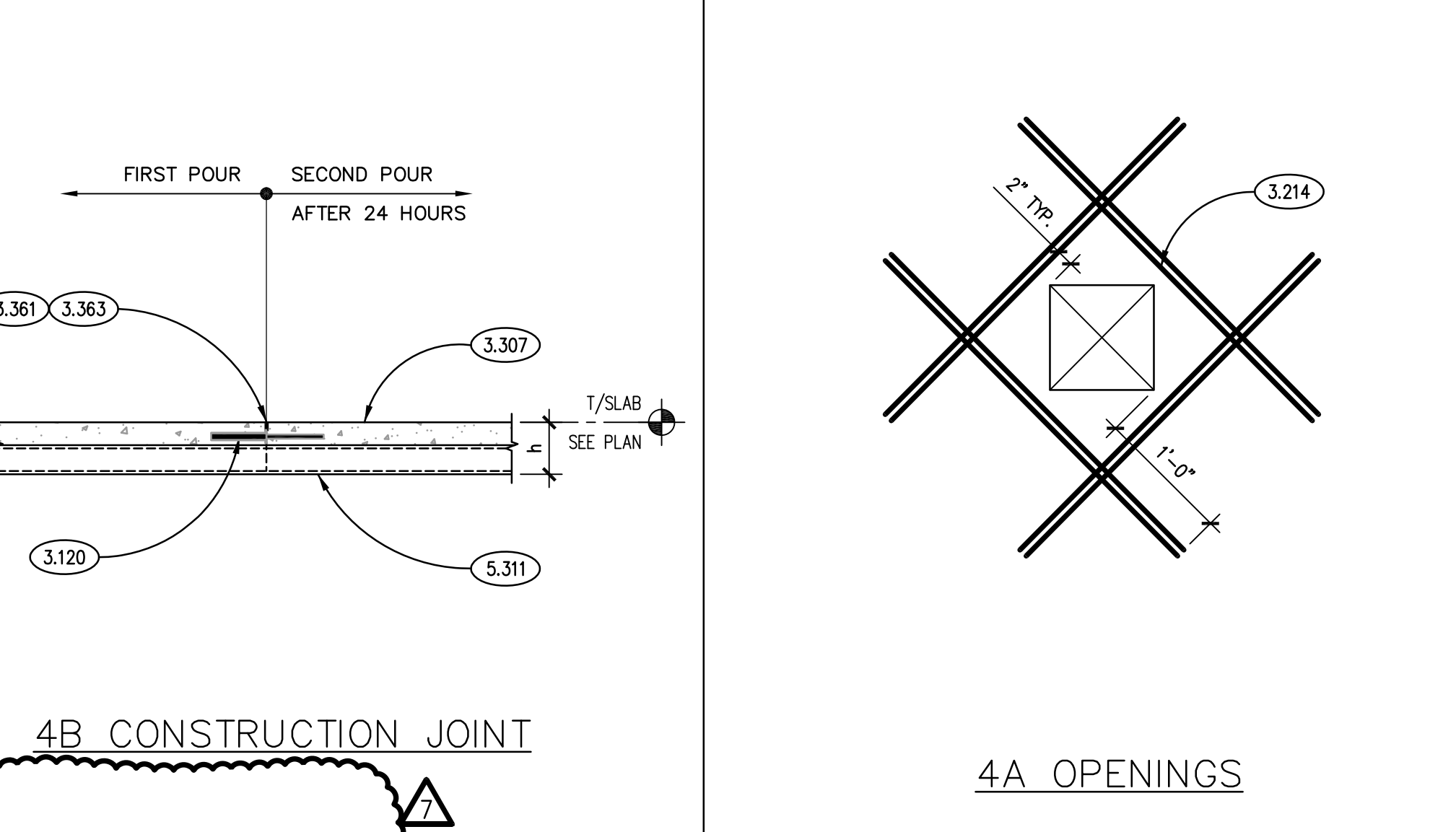
**TYPICAL FLOOR OPENING FRAMING DETAIL**  
SCALE: N.T.S.



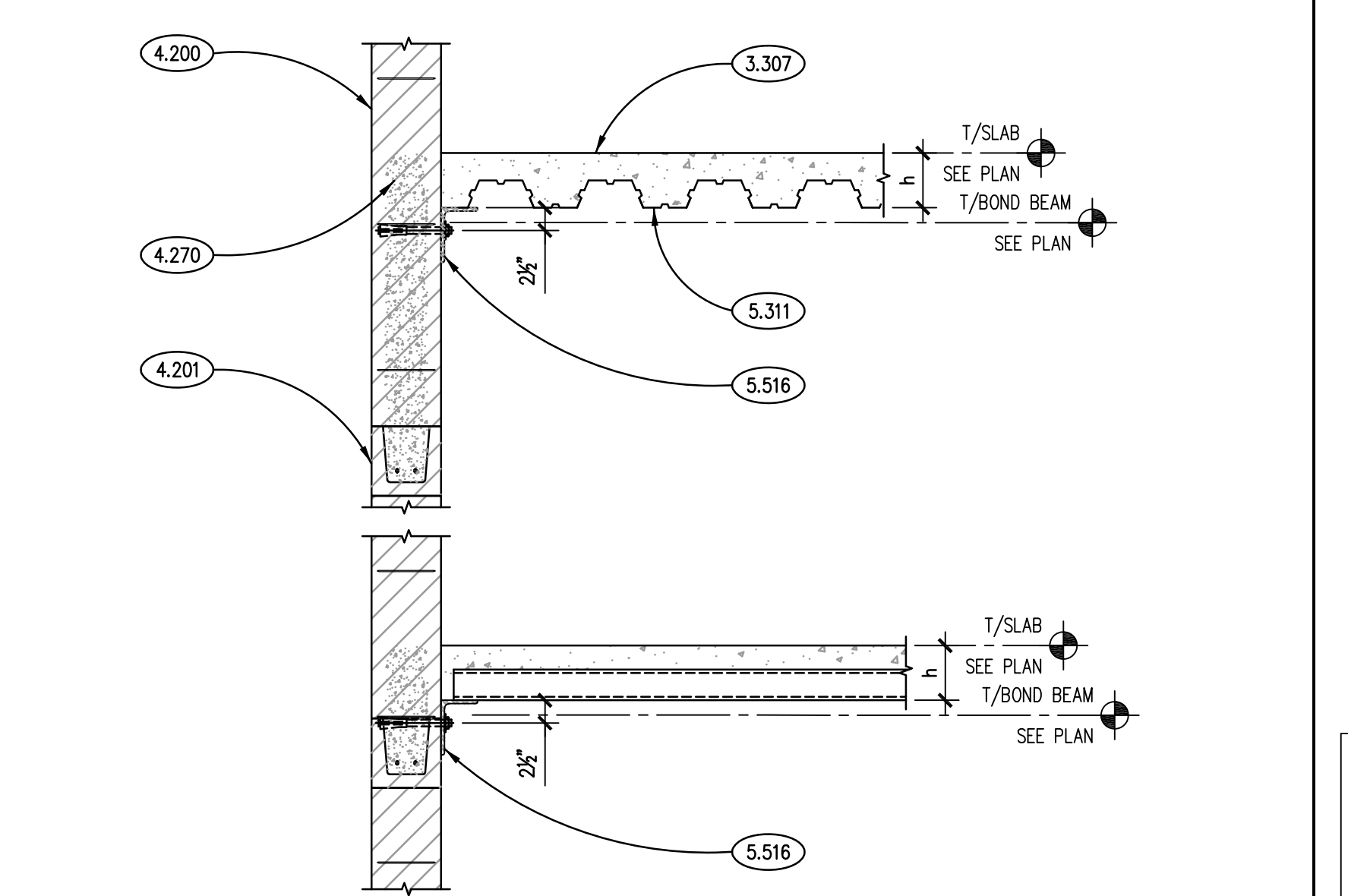
**TYPICAL SLAB REINFORCING AT COLUMNS**  
SCALE: N.T.S.



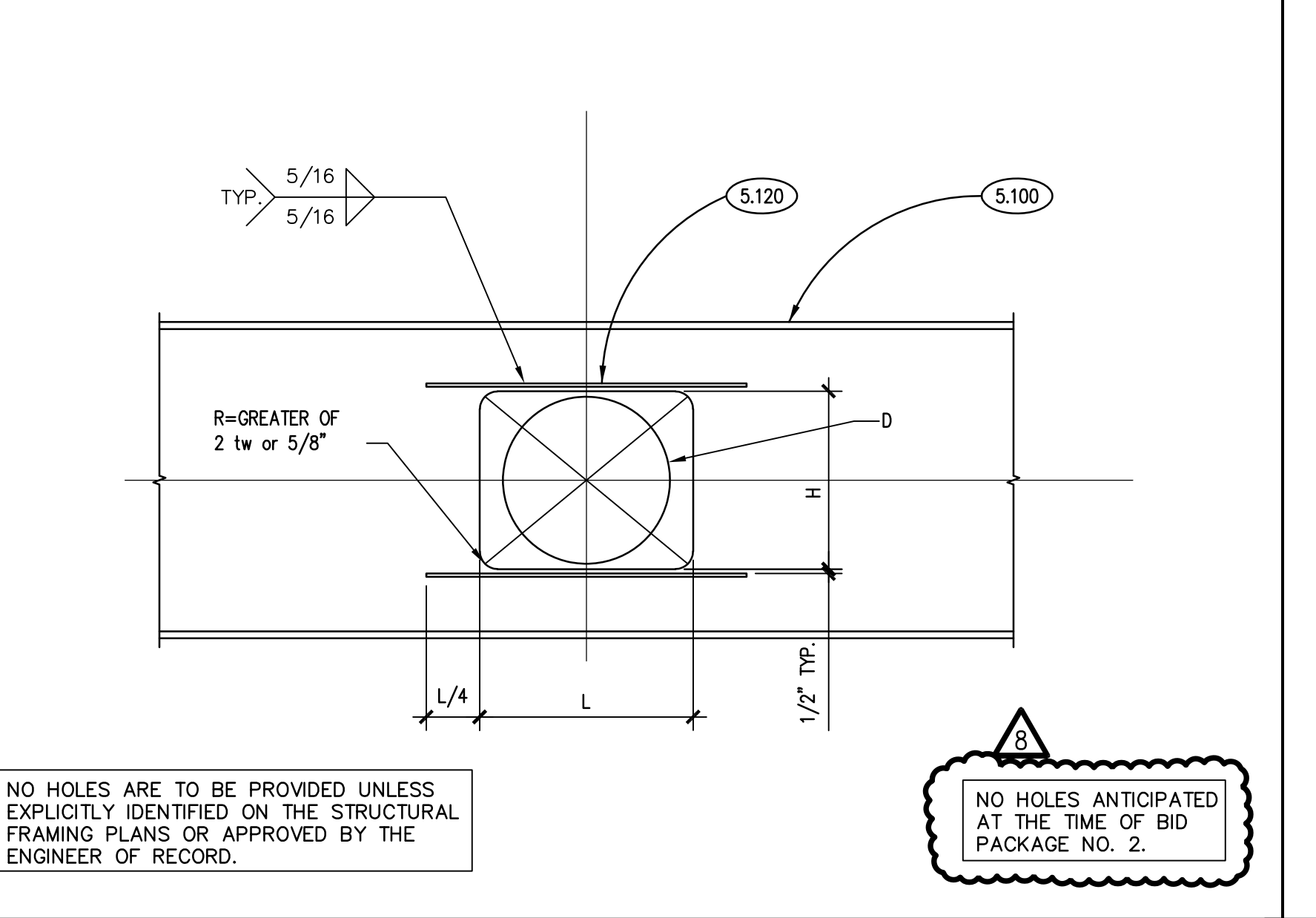
**TYPICAL HEADED STUD PLACEMENT DETAIL**  
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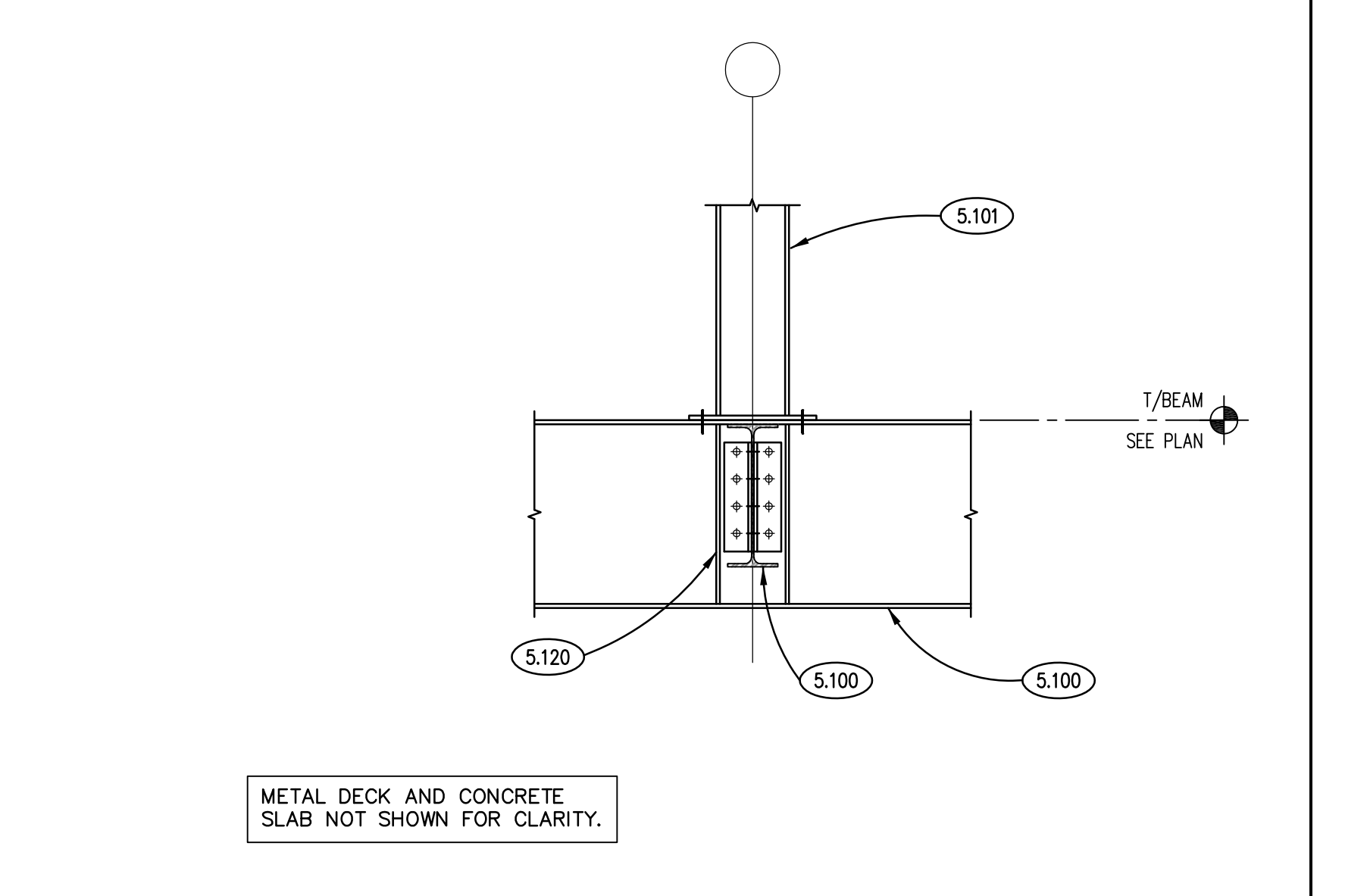
**TYPICAL SLAB ON DECK DETAILS**  
SCALE: N.T.S.



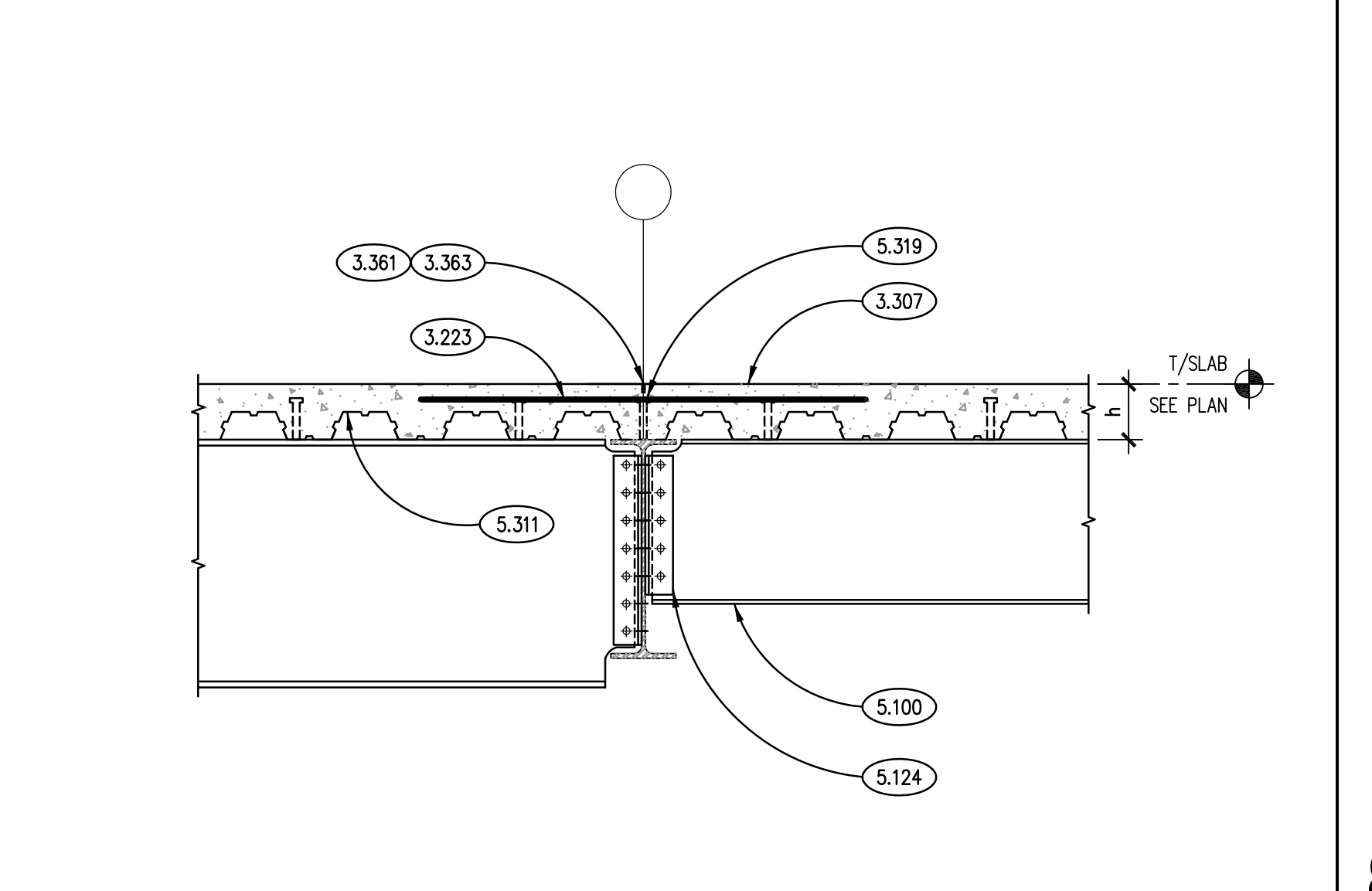
**TYPICAL DECK SUPPORT DETAIL @ WALLS**  
SCALE: 3/4"= 1'-0"



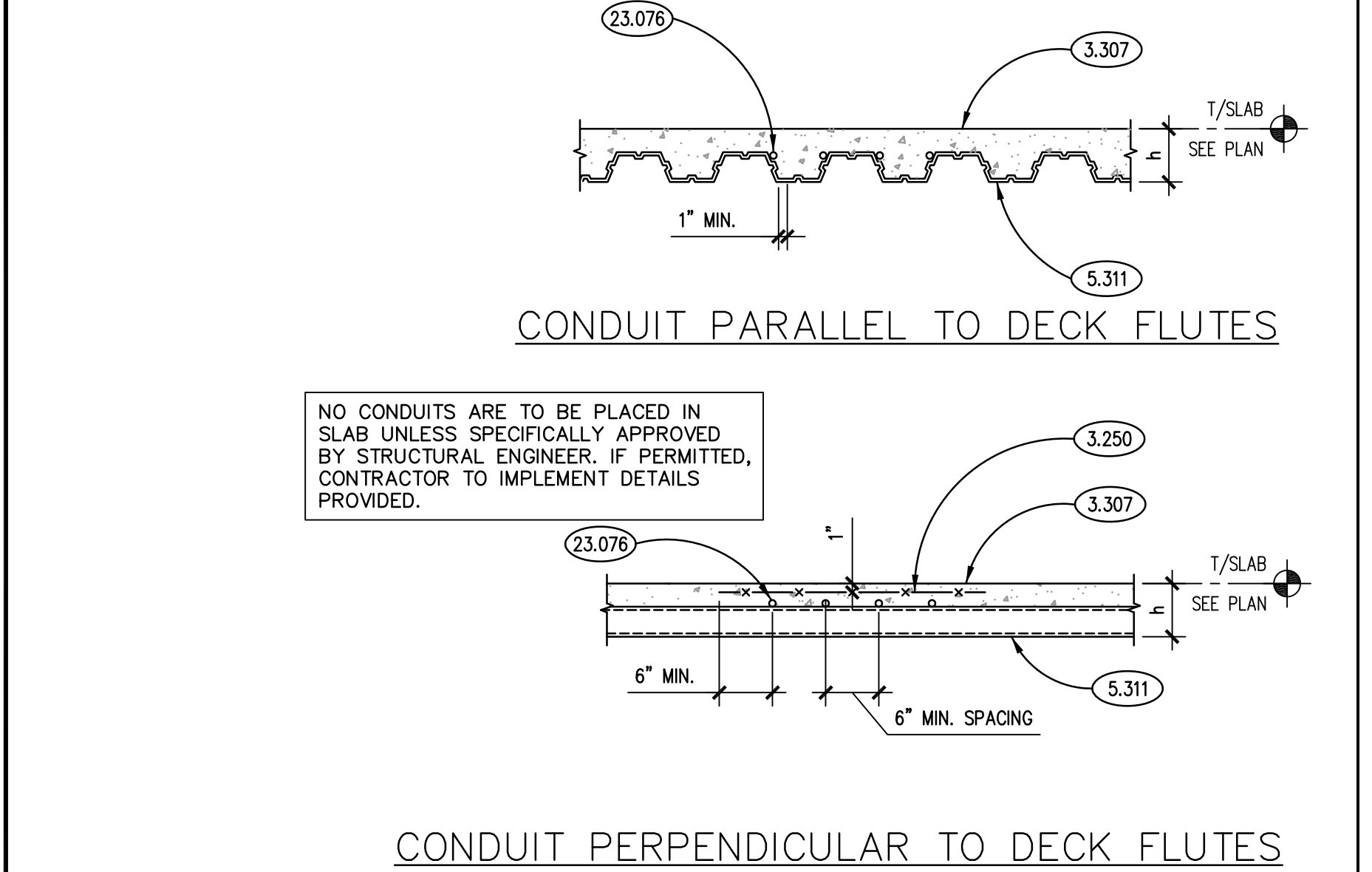
**TYPICAL WEB OPENING DETAIL**  
SCALE: N.T.S.



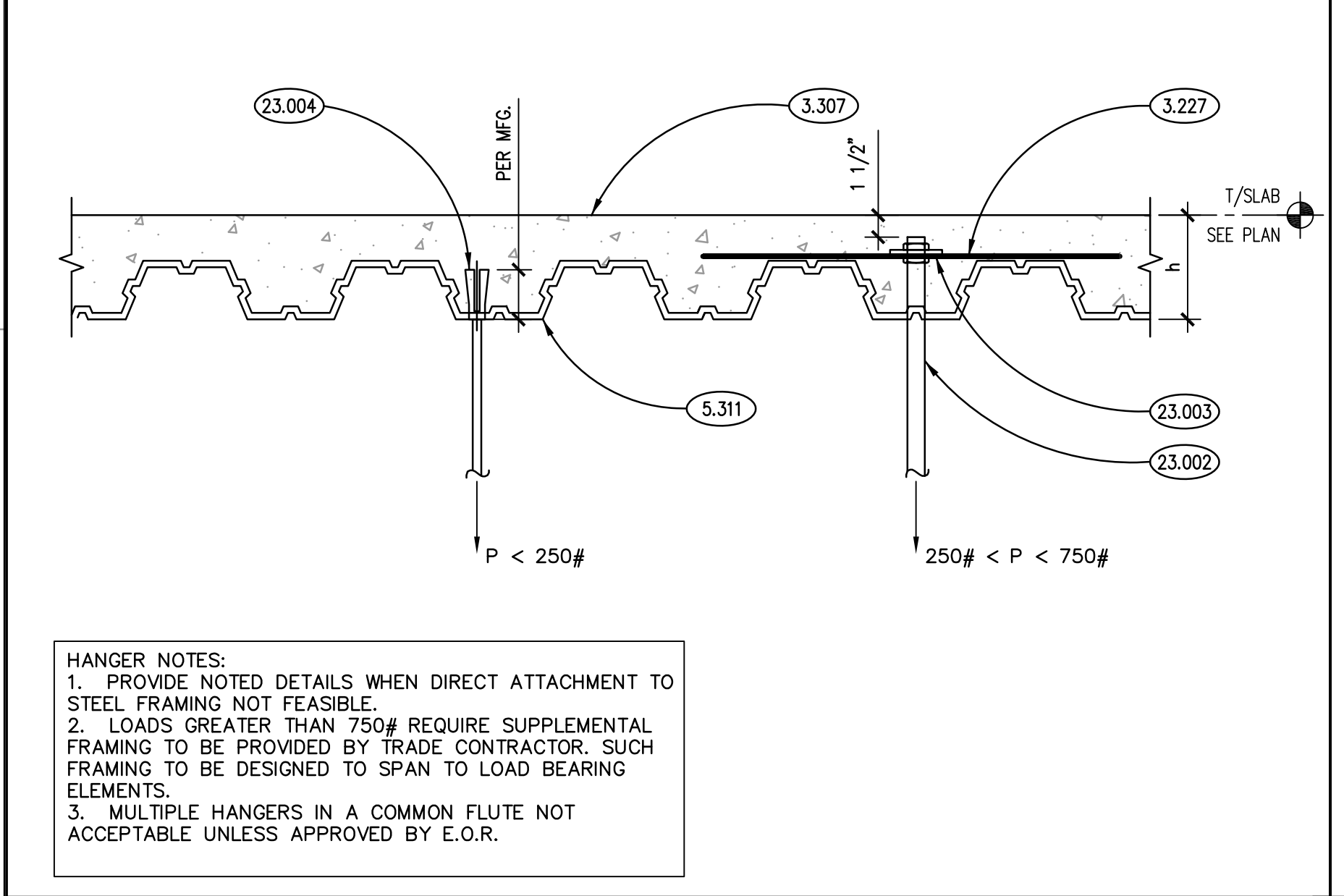
**TYP. BEAM SUPPORTED COL. DETAIL**  
SCALE: N.T.S.



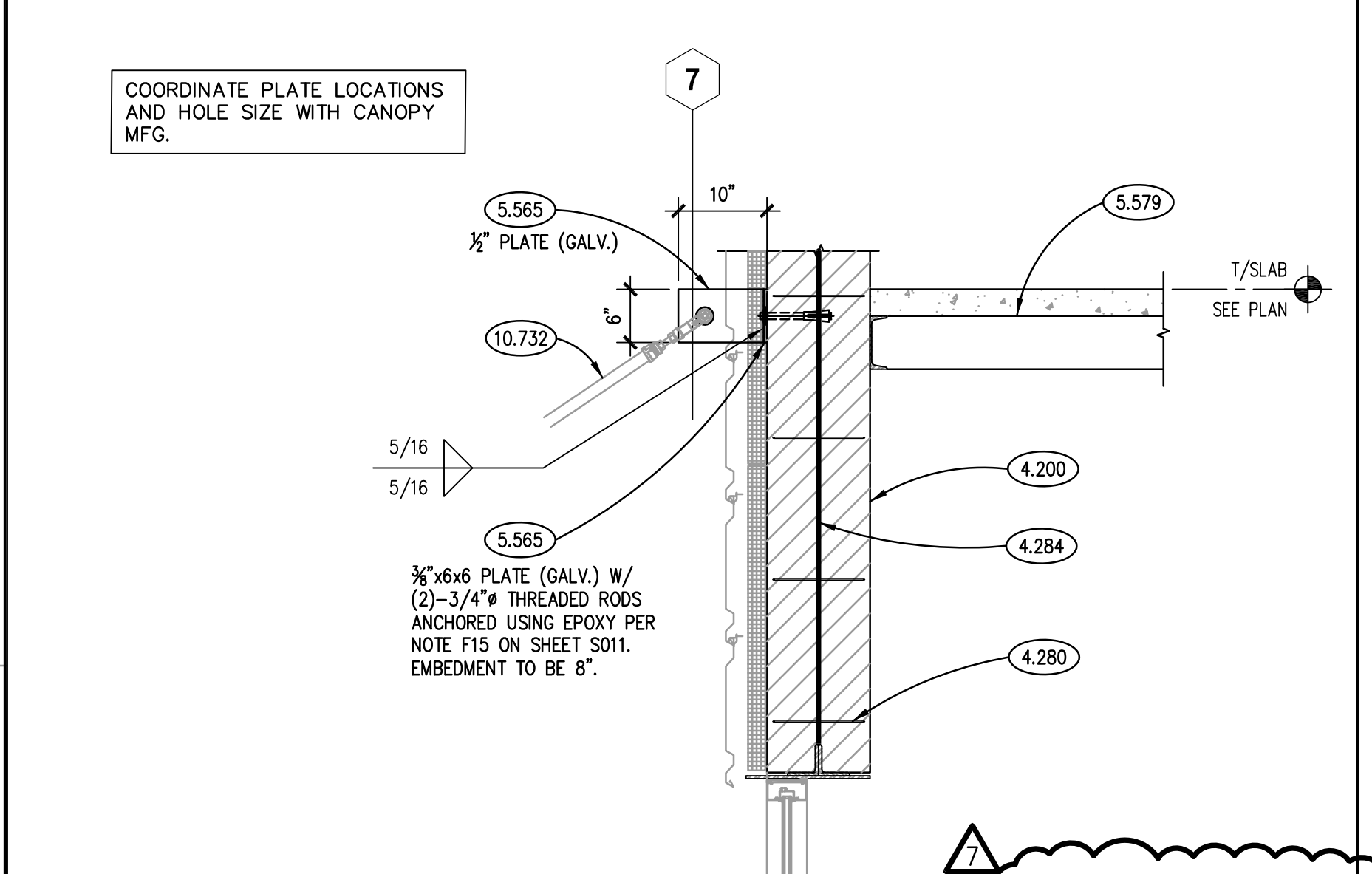
**TYPICAL BEAM/GIRDER CONNECTION DETAIL**  
SCALE: N.T.S.



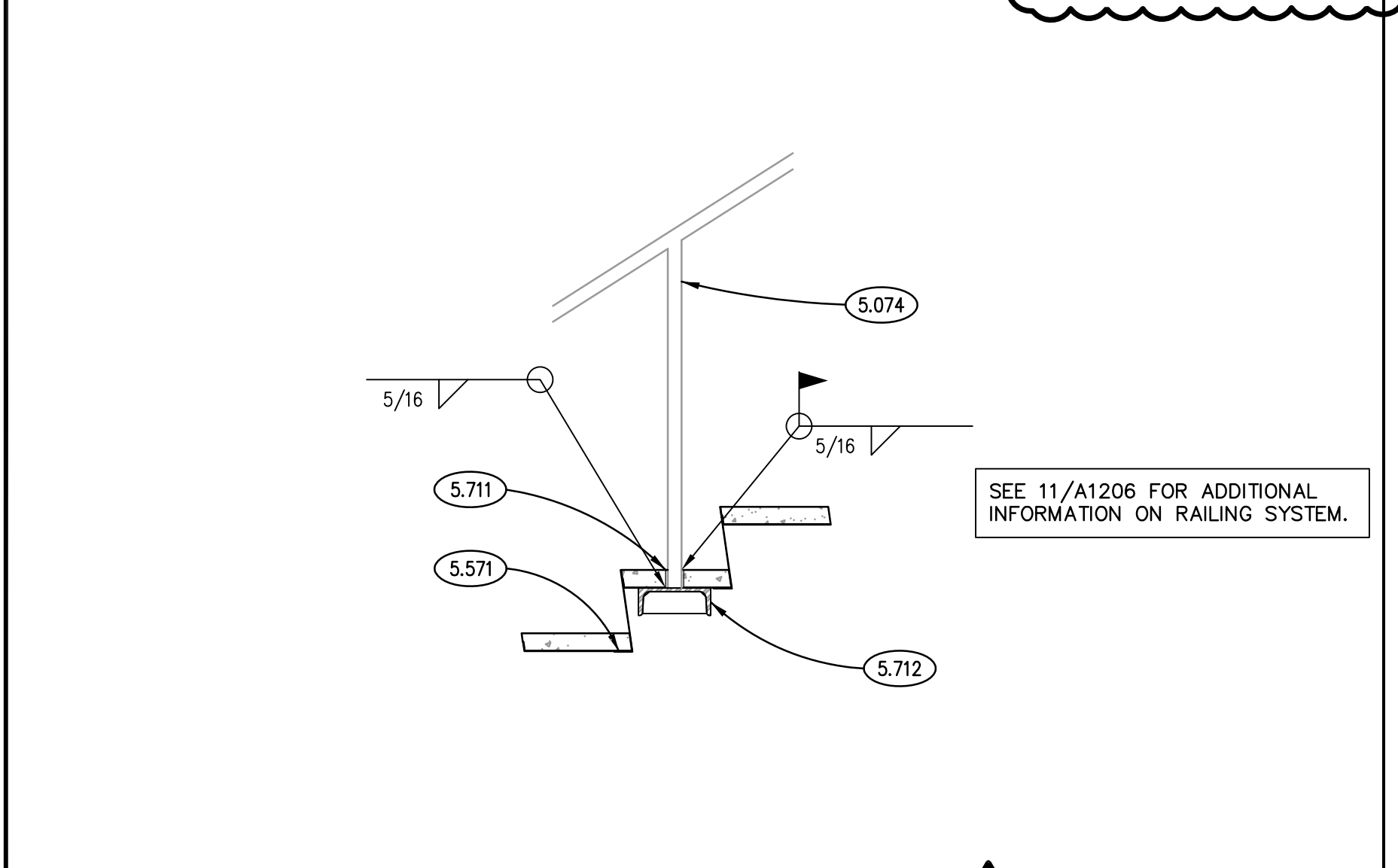
**TYP. DETAILS AT IN-SLAB CONDUIT**  
SCALE: N.T.S.



**TYPICAL METAL DECK SLAB HANGING DETAIL**  
SCALE: N.T.S.



**SECTION 11**  
SCALE: 3/4"= 1'-0"



**SECTION 12**  
SCALE: 3/4"= 1'-0"