

FEBRUARY 29, 2024

OWNER:
O'FALLON PARKS & RECREATION
308 EAST 5TH STREET
O'FALLON, ILLINOIS 62269

ARCHITECT:
FGM ARCHITECTS INC.
475 REGENCY PARK, SUITE 325
O'FALLON, ILLINOIS 62269

CONSTRUCTION MANAGER:
HOLLAND CONSTRUCTION SERVICES
4495 N. ILLINOIS STREET
SWANSEA, ILLINOIS 62226

TO: PROSPECTIVE BIDDERS

SUBJECT: O'FALLON COMMUNITY PARK ENHANCEMENTS
NEW POOL AND AMPHITHEATER (PHASE 1)
411 EAST 5TH STREET
O'FALLON, IL 62269

FGM Project No.: 23-3773.01

This Addendum forms a part of the Bidding and Contract Documents and modifies the original bidding documents dated February 14, 2024, and project Addendum #1 documents dated February 26, 2024. Acknowledge receipt of this Addendum in space provided on Bid Form. **Failure to acknowledge addenda may subject bidders to disqualification.**

GENERAL

1. Due to a received Review Comment by the State of IL, Department of Public Health (IDPH), Division of Environmental Health – Swimming Facilities Program, who will perform a State Permit Review of the Swimming Facilities, the Plan South Doors and Egress out of the main Men's and Women's Locker/Toilet Areas (B103 & B133 spaces) is being omitted as part of this Addendum. There will remain only one egress exit out of these spaces. The footprint geometry of Building B is unaffected, however there are slight wall and door revisions resulting. Likewise, Room B135 and Door B135.1 and any prior reference to are eliminated in full from the project. Room B105 remains, modifies in size (essentially the full space of previously B135 and B105 rooms) is relabeled as "Pool Storage B105" and Door B105.1 modifies from a single door to a Double Door with revisions to its hardware type. Revisions to this area are most notable in included ARCH Sheet Revisions shown on A1.1 and A1.2 and resulting additional Revised ARCH Sheets are included in this Addendum for clarification.
2. There is to not be any use of a base sheet or vapor barrier under the project EPDM Membrane Roofing in any use or building area. That product listing in the 07 53 23 EPDM SINGLE PLY MEMBRANE ROOFING Specification is being removed/deleted formally as part of this Addendum.
3. In the Construction Document Sheet G0.1 Index of Drawings, one sheet listed was in error and should be deleted (C4.2) and one sheet listing was omitted in the Index ONLY (PDF set of Drawings did include) and is ADDED by this Addendum (S05.1), further full clarification is listed under Drawings descriptions in this Addendum written descriptions.
4. Clarifications are included in this Addendum on the operable, single-hung type window units shown in two project Storefront types and to be installed.
5. The remaining replies to Bidding RFI/RFCs received prior to deadline cut-off are included as attachments to this Addenda.

MANUAL

Volume 1

1. Section TOC
 - A. Division 26, ADD the following:
"26 09 50 Sound Reinforcement 26 09 50-1 – 7"

2. SECTION 01 10 00 – PROJECT SUMMARY – BID PACKAGES - SCHEDULE
 - A. 01 10 00, Bid Package No. 04 – Masonry, **REPLACE in its ENTIRETY** with **NEW** Bid Package No. 04 – Masonry, attached to this Addenda (3 sheets total).
 - B. 01 10 00, Bid Package No. 7.2 – Sheet Metal and Aluminum Siding, **REPLACE in its ENTIRETY** with **NEW** Bid Package No. 7.2 – Sheet Metal and Aluminum Siding, attached to this Addenda (2 sheets total).
 - C. 01 10 00, Bid Package No. 9.1 – Metal Studs/ Drywall/ Acoustical Ceilings, **REPLACE in its ENTIRETY** with **NEW** Bid Package No. 9.1 – Metal Studs/ Drywall/ Acoustical Ceilings, attached to this Addenda (4 sheets total).

Volume 2

3. SECTION 07 53 23 – EPDM SINGLE PLY MEMBRANE ROOFING (Section not Re-Issued)
 - A. 07 53 23-6, **DELETE in its ENTIRETY** Article 2.3 BASE SHEET & FASTENERS and Paragraphs, 2.3, A and B. There is not to be a base sheet or vapor barrier under the project EPDM Membrane Roofing in any use area.
4. SECTION 08 41 13 – ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS
 - A. 08 41 13-7, Article 2.3, Paragraph A, **ADD:**
“8. Operable Window Insert: Where Operable Window Inserts shown, Product shall be consistent with Basis-of-Design Manufacturer Kawneer, product type 8430 Single Hung Thermal Window. Product unit to be 4” Deep and should be made to accommodate 1” insulated glazing. Product will install inside of the storefront 451T framing system.”
5. SECTION 08 71 00 – DOOR HARDWARE
 - A. 08 71 00-26, **ELIMINATE in its ENTIRETY** Hardware Group No. 01.03 – Door B135.1 is eliminated from the project in this Addendum.
 - B. 08 71 00-30, **REVISE** Hardware Group No. 01.06 **to READ** “For use on Door #(s) : B100.1, B130.1”. Door B105.1 is **ELIMINATED/REMOVED** from this Hardware Group.
 - C. 08 71 00-39, **REVISE** Hardware Group No. 03.03 **to READ/ADD** “For use on Door #(s) : **B105.1**, C154.1.

Volume 3

6. SECTION 26 07 21 – FIRE ALARM SYSTEM - ADDRESSABLE
 - A. **FULL Section RE-ISSUED** as part of this Addendum.
7. SECTION 26 09 50 – SOUND REINFORCEMENT
 - A. **NEW Section ISSUED** as part of this Addendum.

DRAWINGS

Architectural

1. SHEET G0.1 – Architectural Symbols, Abbreviations & General Notes (Sheet not Reissued)
 - A. Index of Drawings, **OMIT and REMOVE** under CIVIL, **C4.2 “Storm Sewer Profiles”**. This Sheet listing was in error and does not exist in the Construction Document Drawing Set.
 - B. Index of Drawings, **ADD** to STRUCTURAL, **S05.1 “Strap Bracing Details”**. This Sheet was omitted from the Index and is in fact included in the Construction Document Drawing Set.
2. SHEET G1.1 – Code Compliance Plan (Sheet Reissued)
 - A. 1 Code Compliance Plan, **REVISE** Building B paths of travel and door calculations for doors B130.1 and B100.1 **as SHOWN** in attached Drawing. Revisions resulting from elimination of South Egress Exit and Doors out of Rooms B133 and B103 Locker Room areas as described in Clarification #1.
3. SHEET A1.1 – Annotation Floor Plan (Sheet Reissued)
 - A. 1 Annotation Floor Plan, **REVISE** “SF-1” Tag designation (adjacent Entry A100 and SF100.1) **to READ “CW-1”**.
 - B. 1 Annotation Floor Plan, **REVISE** Room area B105 and relabel as “**Pool Storage**” and **REVISE** Door B105.1 to be a Double Door **as SHOWN** in attached Drawing. Additionally, **DELETE in its ENTIRETY** Room B135 and Door B135.1 **as SHOWN**.
4. SHEET A1.2 – Dimension Floor Plan (Sheet Reissued)
 - A. 1 Dimension Floor Plan, **REVISIONS as SHOWN** to Room area B105 as described in Clarification #1, and **REVISE as SHOWN** dimension string Plan South of Building B.
5. SHEET A1.4 – Reflected Ceiling Plan (Sheet Reissued)
 - A. 1 Reflected Ceiling Plan, **REVISE** Alcove Ceiling Tag – Alcove off Passage A116 where Drinking Fountain is recessed and located – **to READ**, “GYP/ PT-6 / **8’-3”+/-**”.
 - B. 1 Reflected Ceiling Plan, **REVISIONS as SHOWN** to Room area B105 as described in Clarification #1.

- C. 1 Reflected Ceiling Plan, **ADDED** clarification Ceiling Detail Tags "**5/A6.3 Sim.**" In three (3) locations at Building B **as SHOWN**. Only to clarify construction intent at these areas, not added ceiling or work.
6. SHEET A1.6 – Finish Plan (Sheet Reissued)
- 1 Overall Finish Plan, **REVISE** Room area B105 **as SHOWN** in attached Drawing as described in Clarification #1.
 - 1 Overall Finish Plan, **CLARIFIED** Keyed Note "F3" leaders at West side of Front Open Office A104.
 - Finish Plan Keyed Notes, **REVISE** "F3" Keyed Note Description **to READ as SHOWN** in attached Drawing. Clarification that F3 relates to CG-1 Corner Guards and Size revision/clarification.
 - Finish Materials, CG-1 Corner Guard, **REVISE** "Size:" note **to READ as SHOWN** in attached Drawing. Size of CG-1 revises.
 - Finish Materials, ARP-1 Acrylic Resin Panel (Plastic Fabrications), **REVISE** "Install Type:" note **to READ as SHOWN**. Basis-of-Design Manuf. to remain but another product collection mounting would be an acceptable substitute if thought better for the application as shown. Panel corner clarification also noted.
7. SHEET A2.0 – Exterior Elevations (Sheet Reissued)
- 8 Exterior Elevation, **REVISED to DELETE** two (2) thru-wall louvers and Keyed note "L5", Door Change to B105.1 door **as SHOWN** in attached Drawing.
8. SHEET A3.0 – Building Sections (Sheet NOT Reissued)
- Detail 12 Building Section, Wall area in Section Callout 4/A3.6, **DELETE** wall louver in wall.
9. SHEET A3.6 – Wall Sections (Sheet Reissued)
- Detail 4 Wall Section, **REVISE as SHOWN** in attached Drawing. Thru-Wall louver is **DELETED** and wall section cut now through new Door B105.1 which is shown.
10. SHEET A3.9 – Arch Site Details & Bather County Plans (Sheet Reissued)
- Detail 2, **REVISE** sheathing product at rear (roof) side of parapet to Plywood **as SHOWN** in Attached Drawing and **REVISE** "Fiberglass-Faced Gypsum Sheathing" **to READ "Plywood Sheathing"**.
 - Detail 4, **REVISE** sheathing product at rear (roof) side of parapet to Plywood **as SHOWN** in Attached Drawing and **ADD** note to **READ** "Plywood Sheathing".
 - Detail 5, **REVISE** sheathing product at rear (roof) side of parapet to Plywood **as SHOWN** in Attached Drawing and **REVISE** "Fiberglass-Faced Gypsum Sheathing" **to READ** "Plywood Sheathing".
 - Detail 7, **REVISE** sheathing product at rear (roof) side of parapet to Plywood **as SHOWN** in Attached Drawing and **ADD** note to **READ** "Plywood Sheathing".
 - Detail 8, **REVISE** sheathing product at rear (roof) side of parapet to Plywood **as SHOWN** in Attached Drawing and **REVISE** "Fiberglass-Faced Gypsum Sheathing" **to READ "Plywood Sheathing"**.
 - Detail 11, **REVISE** sheathing product at rear (roof) side of parapet to Plywood **as SHOWN** in Attached Drawing and **REVISE** "Fiberglass-Faced Gypsum Sheathing" **to READ "Plywood Sheathing"**.
 - Detail 14, **REVISE** sheathing product at rear (roof) side of parapet to Plywood **as SHOWN** in Attached Drawing and **REVISE** "Fiberglass-Faced Gypsum Sheathing" **to READ "Plywood Sheathing"**.
11. SHEET A4.1 – Enlarged Plan Area 'B' & 'C' (Sheet Reissued)
- 1 Enlarged Plan Area 'B', **REVISE** Room area B105 and Door B105.1 **as SHOWN** and as described in Clarification #1.
12. SHEET A4.2 – Enlarged Plan Area 'B' & 'C' – Floor Drain Slope Plans (Sheet Reissued)
- 1 Enlarged Plan Area 'B', **REVISE** Room area B105 and Door B105.1 **as SHOWN** and as described in Clarification #1. Floor drains remain as previous, new slope accounted for with removal/deletion of room separating partition.
13. SHEET A4.5 – Enlarged Plans and Interior Elevations (Sheet Reissued)
- 1 Enlarged Floor Plan, **ADDED** interior elevation tag as shown indicating **NEW** Interior elevations 22, 23 and 24 on Sheet A4.5.
 - ADDED NEW** Interior Elevation Details 22, 23 and 24 **as SHOWN** in attached Drawing.
14. SHEET A4.7 – Enlarged Plans and Interior Elevations (Sheet Reissued)
- 1 Floor Plan, **REVISES** Room area B105 and Door B105.1 **as SHOWN** in attached Drawing and as described in Clarification #1. **DELETE** Elevation tag 10/A4.7 **as SHOWN**.
 - DELETE** from Project Detail 10 Int. Elevation. No longer used or required.
 - 19 Int. Elev., **REVISE as SHOWN** to coordinate to new Room area B105 condition. Masonry opening is **DELETED** and elevation view extended to show full room. Accent EPT-3 now **REVISED to READ "EPT-1"**.

15. SHEET A5.2 – Storefront Types (Sheet Reissued)

- A. SF-1, **REVISED** To **NEW TITLE** "**CW-1**", Additionally, Dimensions (mullion size only, NOT overall opening dimensions) **REVISED** as **SHOWN** in attached Drawing. This system should represent as a Curtainwall framing system with a standard mullion size of 2.5" x 6" (depth) mullion per related Specification Section.
- B. SF-9 and SF-10, **REVISED** to clarify operable window type unit and **ADD Note** regarding the product type for these Operable window unit inserts, **as SHOWN** in the attached Drawing.
- C. SF-12 and SF-13, **ADD Note** clarifying window film locations, **as SHOWN** in attached Drawing.

Structural

16. SHEET S0.1 – General Notes (Sheet Reissued)

- A. **REVISE** plan Note 2. of **FOUNDATIONS**: - Change allowable soil bearing pressure from 1500 psf to "**2250 psf**".

17. SHEET S1.0 – Foundation Plan Area A-D (Sheet Reissued)

- A. **REVISE** plan note 5 of **FOUNDATION PLAN AREA A**: - Change allowable soil bearing pressure from 1500 psf to "**2250 psf**".

18. SHEET S1.1 – Foundation Plan Area B-C (Sheet Reissued)

- A. **REVISE** plan Note 5 of **FOUNDATION PLAN AREA B**: - Change allowable soil bearing pressure from 1500 psf to "**2250 psf**".
- B. **REVISE** plan Note 5 of **FOUNDATION PLAN AREA C**: - Change allowable soil bearing pressure from 1500 psf to "**2250 psf**".
- C. **ADD** dimension string **27'-4"** on East side of building.
- D. **ADD** dimension string **7'-4¼"** on South side of building.
- E. **ADD** wall footing dimension callout along South wall to **WF24-12/TF-98'-0"**.
- F. **ADD** Top of Concrete callout along East wall of the connector link building.
- G. **REMOVE** Masonry opening between Rm. B134 and Rm. B135.
- H. **REMOVE** Masonry opening between Rm. B104 and Rm. B105.
- I. **REMOVE** Door opening @ Door B135.1 and Door B105.1.
- J. **REMOVE** Masonry wall and Footing between Rm. B135 and Rm. B105.
- K. **ADD** Door opening for new 6'-0" door in South wall of Bldg. B.

19. SHEET S1.3 – Roof Framing Area A-D (Sheet Reissued)

- A. **REVISE** overhang dimension of the open canopy along Grid Line A.5 from 3'-0 5/8" to **READ 3'-1¾"** and 5'-0" to **READ 5'-0 ¼"**.

20. SHEET S1.4 – Roof Framing Area B-C (Sheet Reissued)

- A. **REVISE** dimension of C10x15.3 of the open canopy along at North wall from 3'-10" to **READ 3'-8"** and 5 5/8" to **READ 7 5/8"**.
- B. **ADD** Section Cut **7-S4.1 @ LOW/SIM** along the South wall at the low roof area.
- C. **REMOVE** Masonry opening and Masonry lintel between Rm. B134 and Rm. B135.
- D. **REMOVE** Masonry opening and Masonry lintel between Rm. B104 and Rm. B105.
- E. **REMOVE** Door opening masonry lintel @ Door B135 and Door B105.
- F. **REMOVE** Masonry lintel for louver above Door B135 and Door B105.
- G. **REMOVE** Masonry wall between Rm. B135 and Rm. B105.
- H. **ADD NEW** Masonry lintel '**L2b**' above new door opening for new 6'-0" door in South Wall of Bldg. B.
- I. **ADD NEW** Steel Beam **W8x18** and bearing plates at each end of beam above removed wall between Rm. B135 and Rm. B105.

21. SHEET S2.0 – Foundation Details and Sections (Sheet Reissued)

- A. **REVISE** Detail **2-S2.0** - **ADD** dimension **8"** from outside edge of Foundation to outside face of CMU Bond Beam.
- B. **REVISE** Detail **2-S2.0** – **ADD** an additional bond beam elevation **EL=116'-0"**

22. SHEET S4.0 – Roof Framing Details and Sections (Sheet Reissued)

- A. **REVISE** Detail **7-S4.0** - **CHANGE** Fillet weld dimension from 1" to **SHOW/READ As a stitch weld 1" - 6"**.
- B. **REVISE** Detail **8-S4.0** - **CHANGE** Fillet weld dimension from 1" to **SHOW/READ As a stitch weld 1" - 6"**.

23. SHEET S4.1 – Roof Framing Details and Sections (Sheet Reissued)

- A. **REVISE** Detail **1-S4.1** - **CHANGE** overhang dimension from 3'-1 ½" to **READ 3'-1¾"**.
- B. **REVISE** Detail **2-S4.1** - **ADD** overhang dimension **2'-1½"**.
- C. **REVISE** Detail **2-S4.1** - **CHANGE** joist extension dimension from 3 ½" to **READ 2"**.
- D. **REVISE** Detail **12-S4.1** - **CHANGE** C10 location to align with inside face of CMU wall.

Mechanical

24. SHEET M0.2 – Mechanical Schedules (Sheet Reissued)

- A. **REMOVED** louvers L3 and L4 from Louver Schedule.

25. SHEET M1.1 – Mechanical Floor Plan (Sheet Reissued)

- A. **REMOVED** louvers L3 and L4 from new Pool Storage B105.

Plumbing – No Revisions

Electrical

26. SHEET E0.3 – Electrical Site Plan (Sheet Reissued)

- A. **ADDED** electrical primary conduit run and associated keyed notes 11 and 12.
- B. **REVISED** keyed note 7 to clarify number of low voltage conduits.
- C. **REVISED** underground low voltage conduits for utility provider along East 5th St.
- D. **ADDED** underground primary conduit run outside footprint of existing pool building.
- E. **REVISED** route of underground low voltage conduit to future gym to avoid footprint of existing pool building.

27. SHEET E0.6 – Electrical Panel Schedules (Sheet Reissued)

- A. **REVISED** branch circuits to pool lighting from Panel B to Panel SP and updated panel schedules.

28. SHEET E1.1 – Electrical Lighting Plan (Sheet Reissued)

- A. **REVISED** lighting in Pool Storage B105 to **DELETE** 1 occupancy sensor and 1 type Y Emergency light.

29. SHEET E2.1 – Electrical Power & Data Plan (Sheet Reissued)

- A. **REVISED** power in Pool Storage B105 to **DELETE** access control hardware circuit.

30. SHEET 3.1 – Electrical Fire Alarm & Security Plan (Sheet Reissued)

- A. **REVISED** keyed note to 6 at microphone in Manager’s Office & First Aid A120.
- B. **ADDED** microphone and keyed note 6 in Concession A117.
- C. **ADDED** keyed note 6 to clarify microphones and connections to A/V rack.
- D. **REMOVED** two (2) access control and one (1) fire alarm horn/strobe from Pool Storage B105.

31. SHEET E4.2 – Electrical Equipment Enlarged Plan (Sheet Reissued)

- A. **REVISED** branch circuits to pool lighting transformer from Panel B to Panel SP in Pool Mech./Equip. C154.

Respectfully,



Brennan Hartin, AIA, NCARB
Senior Associate

This Addendum consists of 6 pages.

Attachments: Holland Construction Services Closed Bidding RFI Log (w/ Responses)
 Current through 02.29.2024 (8 pages)
Specification 01 10 00 – Project Summary – Bid Packages – Schedule
 Replacement Pages as noted and with “Revised by Addendum #2” in
 Footer (9 total replacement pages)
Specification Section 26 07 21 Fire Alarm System – Addressable
 Full Section Reissued
Specification Section 26 09 50 Sound Reinforcement
 NEW Specification Section Issued

Drawings: Architectural (Full Size Sheets – 30"x42")
 G1.1
 A1.1
 A1.2
 A1.4
 A1.6
 A2.0

A3.6
A3.9
A4.1
A4.2
A4.5
A4.7
A5.2
Structural (Full Size Sheets – 30"x42")
S0.1
S1.0
S1.1
S1.3
S1.4
S2.0
S4.0
S4.1
Mechanical (Full Size Sheets – 30"x42")
M0.2
M1.1
Electrical (Full Size Sheets – 30"x42")
E0.3
E0.6
E1.1
E2.1
E3.1
E4.2

Substitution Request: Sub #001 – Ace Sign Co.
Approved by FGMA on 02.27.2024
Sub #002 – B.P. Brilliant Stone
Rejected by FGMA on 02.29.2024



RFI LOG

#	Subject	Status	Responsible Contractor	Received From	Assignee	Date Initiated	RFI Manager	Due Date	Closed Date	Ball In Court	Location	Schedule Impact	Cost Code	Cost Impact
Bid-22	Owner Provided Electrical Gear Shop Drawings	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Kennedy, Terry (H...	02/28/2024	Terry Kennedy	03/06/2024	02/28/24					
	<p>Q: Terry Kennedy Sent Wed Feb 28, 2024 at 08:49 pm CST Holland Note: This Electrical Gear is on order. The Electrical contractor that is awarded the contract will take over the responsibility of said Gear. Please see the attached shop drawings for reference. ABB Electrical Gear Pre-Order.pdf</p>													
	<p>A: Terry Kennedy (Holland Construction Services) Responded Wed Feb 28, 2024 at 08:50 pm CST FOR RECORD: Electrical Gear Shop Drawings. ABB Electrical Gear Pre-Order.pdf</p>													
Bid-21	Metal Stud Scope Clarification	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Goette, Greg (Hol... William, Laura (H...	02/28/2024	Terry Kennedy	03/06/2024	02/29/24					
	<p>Terry Kennedy Sent Wed Feb 28, 2024 at 07:59 am CST Our work package still has rigid board cavity insulation at metal stud walls per scope item 4. This is not included in our scope, right? Subframing and insulation per wall type W-4 is by aluminum siding work package and any insulation behind mason is by mason work package. RE_O'Fallon Pool.msg</p>													
	<p>If we are supposed to include this, please let me know where this occurs.</p>													
	<p>A: Terry Kennedy (Holland Construction Services) Responded Thu Feb 29, 2024 at 03:33 pm CST Holland Note: All scopes of work pertaining to this question have been revised.</p>													
Bid-20	Electrical Clarifications	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Matchett, Danny (... Hartin, Brennan (...	02/28/2024	Terry Kennedy	03/06/2024	02/29/24					
	<p>Terry Kennedy Sent Wed Feb 28, 2024 at 07:55 am CST We need clarification on the following:</p>													
	<p>Q:</p> <ul style="list-style-type: none"> • Sheet E0.3, Keyed Note #7 - Please clarify the number of conduits, size and location. Are these conduits to be capped and staked? • Sheet E0.3, Keyed Note #5 - Please provide property line. • Sheet E0.3, Keyed Note #10 - Please provide specification section 260950 • Sheet E1.1 - Are the speakers shown apart of Bid Package # 26tk • Sheet E3.1, "W" symbol in A120 <p>O'Fallon Pool.msg</p>													
	<p>A: Brennan Hartin (GGM Architects Engineers, Inc.) Responded Thu Feb 29, 2024 at 10:01 am CST FGMA Response: From our project team Electrical Engineer:</p>													

#	Subject	Status	Responsible Contractor	Received From	Assignee	Date Initiated	RFI Manager	Due Date	Closed Date	Ball In Court	Location	Schedule Impact	Cost Code	Cost Impact
Bid-19	Masonry Substitution Request	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Matchett, Danny (... Hartin, Brennan (...	02/28/2024	Terry Kennedy	03/06/2024	02/29/24					
<p>Terry Kennedy Sent Wed Feb 28, 2024 at 07:52 am CST Please submit the attached product substitution request for the project please. Building Products is a local supplier with a more cost-effective product. Please let me know if you need further information. I am sure FGMA is familiar with Building Products materials. Attached is a link to the same information attached in the scanned document. https://buildingproductscorp.com/wp-content/uploads/2020/05/Brilliant-Stone.pdf 20240227162536612.pdf O'Fallon Pool and Amphitheatre Masonry Material Substitution Request.msg</p> <p>A: Terry Kennedy (Holland Construction Services) Responded Thu Feb 29, 2024 at 11:42 am CST For Record Response. See Attached Email. Substitution was Denied. RE_O'Fallon Pool AISC Certification RFC.msg</p>														
Bid-18	Flooring Protection Scope of Work	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Willman, Laura (H... Goette, Greg (Ho...	02/27/2024	Terry Kennedy	03/05/2024	02/27/24					
<p>Terry Kennedy Sent Tue Feb 27, 2024 at 12:58 pm CST Quick question, on Addendum #1 I noticed on Pg. 34 Line 16 it states "Provide flooring protection at all carpet tile areas, main walkways and bathrooms using ram board fully taping all joints and edges." Will this be an item that Holland provides or would we need to incorporate this in our bid? RE_RFI #1 O'Fallon Pool and Amphitheater.msg</p> <p>A: Terry Kennedy (Holland Construction Services) Responded Tue Feb 27, 2024 at 03:05 pm CST Holland Note: This is to be covered in the Flooring Contractors Scope.</p>														
Bid-17	Roofing Spec/Design Clarification	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Matchett, Danny (... Hartin, Brennan (...	02/27/2024	Terry Kennedy	03/05/2024	02/28/24					
<p>Terry Kennedy Sent Tue Feb 27, 2024 at 12:53 pm CST I just downloaded the plans and specs for this one and read something interesting in the specifications. Below are some RFI questions.</p> <p>Q:</p> <ul style="list-style-type: none"> The specs call out a base sheet of SureWB 90 fastened with dual prong fasteners. That product is only to be used over gypsum or lightweight concrete roof decks. Is there a different underlayment wanted? More like Carlise 725TR MD vapor barrier? Buildings A,B and the connector to building C will not be allowed to have mechanical fasteners through the metal roof decking? The entire building A high roofs and lower roofs will all have exposed roof decking from below? 														

#	Subject	Status	Responsible Contractor	Received From	Assignee	Date Initiated	RFI Manager	Due Date	Closed Date	Ball In Court	Location	Schedule Impact	Cost Code	Cost Impact	
	<p>Double checking the base sheet as that is not to be used over metal roof decking and also where mechanical fasteners are not allowed to penetrate the roof decking and where they are allowed. Building C has an overhang that extends past the building walls. Will fasteners not be allowed past the walls? FW_O'Fallon Pool and Amphitheater - RFI.msg</p> <p>Brennan Hartin (FGM Architects Engineers, Inc.) Responded Tue Feb 27, 2024 at 01:57 pm CST</p> <p>FGMA Response: The indication for any Base Sheet or Vapor Barrier that would be below our EDM Roofing Membrane and its inclusion in the 07 53 23 Specification was in error. This product listing and Base Sheet Fasteners will be omitted in its entirety. There is no Base Sheet or Vapor Barrier under any of the project EDM use areas. Clarification of such will be included in the next Addendum. Brennan Hartin - FGM Architects.</p>														
Bid-16	Addendum #1 Follow Up - Scopes of Work Roofing and Sheet Metal	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Willman, Laura (H...), Goette, Greg (Hol...)	02/27/2024	Terry Kennedy	03/05/2024	02/28/24						
	<p>Terry Kennedy Sent Tue Feb 27, 2024 at 12:48 pm CST The Addendum 1 Corrections doesn't clarify completely on Bid Package 7.1 - Membrane roofing. Premanufactured Expansion Joints and Counter flashing. That usually goes to Sheet metal Package. Roofing and sheet metal are not combined in one Package. They are separate Bid Packages. Re_O'Fallon Community Park Enhancements.msg</p> <p>Holland Note: This project will follow typical construction applications. Please plan on providing the correct flashings, expansion joints, and sealants that the roofing Trade Partner should typically supply in a roofing application. Holland does not plan on separating specifics on flashing. Please verify your scope and assume responsibility for those flashings you typically install.</p>														
Bid-15	Scope Clarifications - Metal Studs, Parapet Sheathing, Rigid Insulation	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Willman, Laura (H...), Goette, Greg (Hol...), Hartin, Brennan (...)	02/26/2024	Terry Kennedy	03/04/2024	02/26/24						
	<p>Terry Kennedy Sent Mon Feb 26, 2024 at 09:10 am CST What work package is responsibly for metal stud wall layout? This is included in General Trades package item 10 and also Drywall package item 12.</p> <p>Q: What work package is responsible for back of parapet sheathing 5/A.3.11</p> <p>A: Mason responsible for rigid insulation behind masonry 5/A.3.11. Please confirm RE_O'Fallon Pool.msg</p> <p>Terry Kennedy (Holland Construction Services) Responded Mon Feb 26, 2024 at 12:46 pm CST Holland Note: Scopes of work pertaining to this RFI have been updated and adjusted.</p>														
Bid-14	Signage Request to Substitute	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Matchett, Danny (...), Hartin, Brennan (...)	02/26/2024	Terry Kennedy	03/04/2024	02/28/24						
	<p>Terry Kennedy Sent Mon Feb 26, 2024 at 09:04 am CST Will the alternative Signage Manufacturer be accepted? Please see the attached. CSI Substitution Request: CSI Substitution Request -- Ace Sign.pdf</p>														

#	Subject	Status	Responsible Contractor	Received From	Assignee	Date Initiated	RFI Manager	Due Date	Closed Date	Ball In Court	Location	Schedule Impact	Cost Code	Cost Impact	
	Request for Substitution - Signage.msg														
	Brennan Hartin (FGM Architects Engineers, Inc.) Responded Tue Feb 27, 2024 at 01:44 pm CST FGMA Response: A: We will approve of this submitted Sub Request for the Signage types listed as long as products, production and installation still conform to the related Specification Section requirements. Approval will be part of the next Addendum. Brennan Hartin - FGM Architects														
Bid-13	General Trades Package Signage Clarification	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Hartin, Brennan (... Matchett, Dan (FG...	02/26/2024	Terry Kennedy	03/04/2024	02/29/24						
	Terry Kennedy Sent Mon Feb 26, 2024 at 07:23 am CST 1) I see Pool Depth signage at Sheets AQ2.0 & AQ3.0. Is this signage to be provided by Bid Package 13? Details at 9/AQ2.2 suggest that these are tiles, but there is no detail on the desired material, etc. Please advise. 2) There is a Park District logo at 1/A2.0. Key Note L1 directs to the specifications for details. I do not see any details on what they are seeking at Section 10.1419. Would a 1/4" aluminum panel that's masked & painted with the (3) Park District colors be acceptable? Proposed mounting would be mechanical using studs welded to the back of the panel. 3) The specifications for the plaque (Section 10.1416) call for an anodized finish. That is not available for cast aluminum plaques. We offer raised, brushed text/graphics with a protective clear coat (background can be painted & textured as specified). Is that acceptable? RE_Additional O'Fallon Pool and Amphitheater RFC.msg Brennan Hartin (FGM Architects Engineers, Inc.) Responded Thu Feb 29, 2024 at 09:49 am CST FGMA Response: Item # 1 - Bid Package scoping would be decided per Project CM/ Holland Construction Services. We feel the 9/AQ2.2 detail makes clear the signage intent, further information on the tile is found in Spec. Section 13.11.03 and the depth marker tile is described in Spec. Section 13.11.03. 2.1G. Item # 2 - The proposed Sign Panel type would be acceptable, any post or stud type mounting maybe problematic given the backup finish material. This is OVER an aluminum siding veneer and any post type mounting would take careful and planned blocking backup within the outboard insulation or be capable to recess fully back to the CMU wall substrate behind the aluminum siding and outboard continuous insulation. To be clear the siding itself is NOT a structural back-up material to mount to, therefore a best adhered system - exterior rated would be the recommendation or be capable to maintain mounting through the siding system if possible, to an approved substrate all penetrations, waterproofing of (sealing) and engineering of post install would be the responsibility of the Signage manuf./supplier. Item # 3 - That would be an acceptable submission for the project plaque.														
Bid-12	Life Guard Chairs	Closed	Holland Construct...	Goette, Greg (Holland Construction Services)	Hartin, Brennan (...)	02/23/2024	Terry Kennedy	03/01/2024	02/28/24						
	Terry Kennedy Sent Fri Feb 23, 2024 at 10:56 am CST Q: The lap pool does not seem to have any lifeguard chairs, are any required? O'Fallon.msg Brennan Hartin (FGM Architects Engineers, Inc.) Responded Tue Feb 27, 2024 at 01:01 pm CST FGMA Response: From input from our Aquatic Consultant, the following is our design team response: Lifeguard chairs are required. AQ0.0 shows two lifeguard chairs on the lap pool and 3 on the leisure pool. 13.11.00.2.10.A.6, a calls for five total. A: The lifeguard chair locations are approximate. Note 19 on AQ0.0 says "LIFEGUARD CHAIR LOCATIONS ARE APPROXIMATE AND ARE SHOWN FOR GENERAL GUIDANCE. IT IS RECOMMENDED THAT ZONE EVALUATIONS ACCORDING TO THE AMERICAN RED CROSS OR A SIMILAR APPLICABLE LIFEGUARD AGENCY ARE CONDUCTED PRIOR TO OPERATING THE FACILITY AND REGULARLY ACCORDING TO AGENCY GUIDELINES." To clarify, for now, these are in the Bid Documents to be provided, NOT owner provided (that could revise if so decided by the Owner). Brennan Hartin - FGM Architects														
Bid-11	Flooring Clarifications	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Hartin, Brennan (...)	02/23/2024	Terry Kennedy	03/01/2024	02/28/24						
	Q: Terry Kennedy Sent Fri Feb 23, 2024 at 10:49 am CST														

#	Subject	Status	Responsible Contractor	Received From	Assignee	Date Initiated	RFI Manager	Due Date	Closed Date	Ball In Court	Location	Schedule Impact	Cost Code	Cost Impact	
	<p>A1.6 - Plan states Rotary Closet A122B to receive LVT-1 but shows Sealed Concrete according to the Legend. Please advise.</p> <p>A1.6 - Passage A116 - States CT-2 on the wetwall, but I am not finding an elevation on the height of this. Am I to assume the entire wall 8' up?</p> <p>A1.6 - Passage A116 - States CT-2 on the wetwall, is this to receive tile base as well?</p> <p>FW_RFI #1 Ofallon Pool and Amphitheater.msg</p>														
	<p>Brennan Hartin (FGM Architects Engineers, Inc.) Responded Tue Feb 27, 2024 at 04:41 pm CST FGMA Response:</p> <p>Item #1: Rotary Closet A122B should be Sealed Concrete flooring, any further adjustment and clarification will be done so at the next Addendum issuance.</p> <p>Item #2: CT-2 will be utilized at the wet wall only of the EWC/Drinking Fountain alcove, an Int. Elevation clarification will be issued as well as part of the next Addendum issuance. Note the height of this alcove will be revising to 8'-3" - to best work to full size tile heights (alcove ceiling height will also be revised in Addendum).</p> <p>Item #3: Yes, where CT-2 is utilized at the EWC/DF Wet Wall this wall length only will have CTB-2 tile base. The other walls of Passage A116, including even the return walls into that alcove will be RCB-1.</p> <p>Brennan Hartin - FGM Architects</p>														
Bid-10	Audio System Missing Spec Section	Closed	Holland Construct...	Goette, Greg (Holland Construction Services)	Hartin, Brennan (...)	02/23/2024	Terry Kennedy	03/01/2024	02/28/24						
	<p>Terry Kennedy Sent Fri Feb 23, 2024 at 10:21 am CST It appears the electrician is to supply the audio system for the project. The plans reference spec section 260950 for the equipment, but that section is not in the bid documents, please clarify.</p> <p>Ofallon.msg</p>														
	<p>Brennan Hartin (FGM Architects Engineers, Inc.) Responded Tue Feb 27, 2024 at 04:42 pm CST FGMA Response:</p> <p>This Spec Section was in fact omitted by the Electrical Engineer and will be included in the next Addendum issuance formally.</p> <p>Brennan Hartin - FGM Architects</p>														
Bid-9	Steel Package AISC Specifications	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Hartin, Brennan (...)	02/23/2024	Terry Kennedy	03/01/2024	02/28/24						
	<p>Terry Kennedy Sent Fri Feb 23, 2024 at 09:33 am CST I am working on a steel bid for the O'Fallon Pool and Amphitheater Project. Would it be possible for you to waive the AISC specification if my company can demonstrate that we follow AISC requirements? Please let me know if this is a possibility and what I can do to expedite our approval.</p> <p>Ofallon Pool and Amphitheater Project.msg</p>														
	<p>Brennan Hartin (FGM Architects Engineers, Inc.) Responded Tue Feb 27, 2024 at 01:04 pm CST FGMA Response:</p> <p>With input from our Structural Engineer of Record (Kreher Engineering): Project Fabricators and Erectors need to be AISC Certified. Brennan Hartin - FGM Architects</p>														
	<p>A: Terry Kennedy (Holland Construction Services) Responded Mon Feb 26, 2024 at 12:37 pm CST Holland has no comment pertaining to this RFI. This is a decision for FGM and the Owner.</p>														
Bid-8	Bid Package #4 Masonry/Bid Package # 9.1 Metal Studs Scope of Work Clarification	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Hartin, Brennan (...)	02/23/2024	Terry Kennedy	03/01/2024	02/26/24						
	<p>Terry Kennedy Sent Fri Feb 23, 2024 at 09:26 am CST Can you change the air barrier scope to be by 1 package, #4 Masonry or #9.1 Metal Studs? And then the ridged would be by whomever puts the skin on.</p> <p>rfi-02202024142325.pdf</p>														

#	Subject	Status	Responsible Contractor	Received From	Assignee	Date Initiated	RFI Manager	Due Date	Closed Date	Ball In Court	Location	Schedule Impact	Cost Code	Cost Impact
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A: Terry Kennedy (Holland Construction Services) Responded Mon Feb 26, 2024 at 12:33 pm CST
Holland Note: Masonry and Metal Stud Scopes have been revised to clarify the concern/RFI.

Bid-7	General Trades Package Questions	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Hartin, Brennan (...)	02/23/2024	Terry Kennedy	03/01/2024	02/29/24					
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Terry Kennedy Sent Fri Feb 23, 2024 at 09:10 am CST

- Under Bid Package NO.06 #21.B, it states "This Contractor to furnish all door hardware including hardware for aluminum door system and battery powered 4-digit lockets. This Contractor to distribute aluminum door hardware to Bid Package No. 10 Contractor for installation. Auto door operators are to be provided by this contractor." I assume the reference to Bid Package No.10 is an error, as this package does not exist. Please provide clarification.
- Under Bid Package NO.06 #24, it states "Include final cleanup for the entire footprint of the project site. This will include cleaning of all exterior windows, storefronts, casework, flooring, and curtain walls. This also includes power washing of sidewalks." However, # 18 states "Final clean by others." Can you clear this contradiction up?
- On drawing A1.6 and A4.3, ARP-1 (Acrylic Resin Panel) is shown as an "L-Shaped 2 Panel Partition", but the finish plan does not specify the exact product from the Iluvo collection. Please confirm that the configuration shows is 2'-200.57" panels butted up to create an L shape.
- On drawing A1.6, corner guards (CG-1) are referenced to and located by a F3 project Finish Plan Keyed Note. We feel this properly covers location. There will be modifications to this note and the CG-1 description to revise noted height of Corner Guard CG-1 product to be 4" total length (not full height) to match to the related Project Specification.
- The posts that are not in the decorative rock area in the plan(A0.1A) for the 8' and 3.5' fencing, are they to be plate mounted or plan for core drilling?
- The gate sizes specified in the callouts for the gates 6' double swing gate. The minimum size gates for the Aegis Plus and the Echelon Plus has a minimum gate size of 3.5'.

Brennan Hartin (FGM Architects Engineers, Inc.) Responded Thu Feb 29, 2024 at 09:26 am CST

FGMA Response:

Items #1 & #2 - Involve Bid Package Scoping and are the responsibility of the Project CM/Holland Construction Services to answer.
Item #3 - The intent was in fact to have two panels just butted together to form/create an 'L' Shape (it seems this would be a mitered corner in the Iluvo collection), which would be an acceptable corner connection. We have had further communication with 3- Form Rep and they suggested for the installation showing that their Versa product collection type may work better for this situation (see attached files) than their Iluvo collection. As long as the Basis-of-Design maintains as 3-Form for this installation and panel use, we will defer to the manufacturer for best product framing type/collection and will be accepting at the time of product shop submission to the manufacturer thought best solution. We will alter the ARP-1 note to allow for Versa collection as well in the next Addendum.
Item #4 - On A1.6, 1 Overall Finish Plan, these Corner Guards are referred to and located by a F3 project Finish Plan Keyed Note. We feel this properly covers location. There will be modifications to this note and the CG-1 description to revise noted height of Corner Guard CG-1 product to be 4" total length (not full height) to match to the related Project Specification.
Item #5 - Assume the best install at pavement locations as per the manufacturer recommendations. Note pavement at these areas are to be 4" total thickness. Plate mounted can be an acceptable install assuming that all IBC guard railing overturning forces are compliant and met for the 3.5' fencing when used in guardrail applications at top of changes in pavement grade.
Item #6 - We have confirmed with Ameristar that sizes beyond 3.5' minimum (smaller widths) are possible for production - just not listed in publications. The pool, including fencing & gates is subjected to a State of IL, Dept. of Public Health (IDPH) Permit review and for the matter of bidding shall remain consistent so as not to interfere with that Permitting review process. If during construction and shop submission, there is found a more economical standard gate size approach to use and it is deemed acceptable by all permitting AHJs we could entertain a submitted substituted to a standard size but for now the sizes listed should be bid and are confirmed possible for production by the Basis-of-Design Manuf.
[ILIUO vs Versa - Related to RFI #Bid-7.pdf](#)
[ILIUO vs Versa - Related to RFI #Bid-7.pdf](#)
[Email Communication_3-Form-RI #Bid-7_2024.02.28.pdf](#)

Terry Kennedy (Holland Construction Services) Responded Mon Feb 26, 2024 at 12:32 pm CST
Holland Note: Scopes effecting question #1 and #2 have been adjusted accordingly.

A: FGM Response needed on questions #3,#4,#5 and #6.

Bid-6	ICC-500 FEMA Doors	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Hartin, Brennan (...)	02/23/2024	Terry Kennedy	03/01/2024	02/23/24					
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Q: Terry Kennedy Sent Fri Feb 23, 2024 at 08:09 am CST
It looks like there are going to be ICC-500 FEMA doors on this project. The plans are lacking enough information for me to figure out what doors these will be. Can you tell me what room they plan on making the FEMA shelter?

#	Subject	Status	Responsible Contractor	Received From	Assignee	Date Initiated	RFI Manager	Due Date	Closed Date	Ball In Court	Location	Schedule Impact	Cost Code	Cost Impact	
	RE_O'Fallon IL Community Park Gym.msg														
	Terry Kennedy (Holland Construction Services) Responded Fri Feb 23, 2024 at 11:08 am CST														
	A: This was pertaining to the Gym not the Pool. Closing the loop. RE_O'Fallon IL Community Park Gym.msg														
Bid-5	Missing Sheets in Construction Documents	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Hartin, Brennan (...)	02/18/2024	Terry Kennedy	03/25/2024	02/23/24						
	Terry Kennedy Sent Sun Feb 18, 2024 at 01:59 pm CST														
	Upon entering the plans in Procore, I noticed the following discrepancies:														
	Q: C4.2 not received S0.5.1 not listed on the index														
	Brennan Hartin (FGM Architects Engineers, Inc.) Responded Wed Feb 21, 2024 at 04:06 pm CST														
	C4.2 Sheet does not exist, it was listed in error on the Sheet Index on G0.1. That same index as stated does in fact miss listing S0.5.1 "Strap Bracing Details" Sheet. The Specification 00 01 15 "Schedule of Drawings" does list the drawings correctly. The G0.1 Sheet can be updated in the next Addenda as needed.														
	A: Brennan Hartin - FGM Architects														
Bid-4	Parapet Wall Scope Clarification	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Hartin, Brennan (...)	02/18/2024	Terry Kennedy	03/25/2024	02/26/24						
	Terry Kennedy Sent Sun Feb 18, 2024 at 01:51 pm CST														
	Q: Our Package 7.1 Membrane Roofing. Under Scope and Specifics, line 6- Specifies to supply and install on the back of the PARAPET wall recovery board and insulation. My question is: Who supplies and installs the material for the INNER walls from lower to higher structure on the roof type R-1 ?														
	A: Terry Kennedy (Holland Construction Services) Responded Mon Feb 26, 2024 at 12:26 pm CST Holland Note: Review revised scopes Carpentry, Metal Studs, and Roofing. These scopes have been revised to cover this conflict of sheathing. FGM - To provide a new detail in the addendum.														
	Brennan Hartin (FGM Architects Engineers, Inc.) Responded Thu Feb 22, 2024 at 04:24 pm CST														
	FGMA Response: We will defer to Holland CS for all scoping and bid package work related questions (whose install and coverage). In regards to the back of Parapet installation, there will be at times rigid insulation as shown in the Bid Documents, however notation and areas showing sheathing at the Back or Roof side of stud framed parapets shall be Plywood sheathing as called for in the 06 16 00 "Sheathing" Specification. Likewise, some Architectural Enlarged Details did not properly reflect this Plywood sheathing and will be revised and updated in the next Addenda.														
	A: Brennan Hartin - FGM Architects														
Bid-3	Sheet Metal in Roofing Scope Clarification	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Hartin, Brennan (...)	02/18/2024	Terry Kennedy	03/25/2024	02/26/24						
	Terry Kennedy Sent Sun Feb 18, 2024 at 01:48 pm CST														
	Q: Bid Package 7.1, Scope and Specific Items- line 3 SHEET METAL EXCLUDED FROM THIS PACKAGE. The Line 4 reads - Premanufactured Expansion Joints, Metal counter flashings, it contradicts with line 3. Clarify, please														
	A: Terry Kennedy (Holland Construction Services) Responded Mon Feb 26, 2024 at 12:25 pm CST Holland Note: Please review the revised scopes of work in Addendum #1.														
	A: Brennan Hartin (FGM Architects Engineers, Inc.) Responded Thu Feb 22, 2024 at 04:26 pm CST FGMA Response: We feel this is a scoping and Bid Package related question and therefore best for Holland CS to resolve and answer completely.														

#	Subject	Status	Responsible Contractor	Received From	Assignee	Date Initiated	RFI Manager	Due Date	Closed Date	Ball In Court	Location	Schedule Impact	Cost Code	Cost Impact
Brennan Hartin - FGM Architects														
Bid-2	Membrane Roofing at Parapet Wall	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Hartin, Brennan (...)	02/18/2024	Terry Kennedy	03/25/2024	02/26/24					
	<p>Terry Kennedy Sent Sun Feb 18, 2024 at 01:45 pm CST</p> <p>Bid Package 7.1 Membrane roofing:</p> <p>On the parapet walls the field material must be terminated at least 12' O.C., by the Manufacturer specification.</p> <p>Q: The Drawings are showing ISO- board and gypsum cover board. With all that bean said, are only option to terminate the field material is to screw trough the wall insulation and cover board to the wall metal studs, and they are 16" O.C., which is not warranted by the Manufacturer specifics.</p> <p>Also, we are a not allowed to be mechanically attached to the metal deck, according to the job specifications.</p> <p>So, You guys might have to install a plywood on the walls instead cover board, which is probably has to go to the carpenters bid package.</p> <p>Terry Kennedy (Holland Construction Services) Responded Mon Feb 26, 2024 at 12:21 pm CST</p> <p>Holland Note: Review revised scopes Carpentry, Metal Studs, and Roofing. These scopes have been revised to cover this conflict of sheathing.</p> <p>A: FGM - To provide a new detail in the addendum.</p>													
	<p>Brennan Hartin (FGM Architects Engineers, Inc.) Responded Wed Feb 21, 2024 at 04:54 pm CST</p> <p>I will defer to Holland CS on all scoping and bid package coverage questions. In relation to Plywood at the rear (roofing side) parapet of Stud Framed Wall Types, the intent was in fact for plywood to be on these parapet back or rear sides. I think many of the Wall Section Sheets were updated as such but that the components as shown and called out in A3.9 Wall Section Details (14, 11, 8, 5 on that Sheet) did not get updated. The Specification Section 06 16 00 "Sheathing" does in fact refer to Exterior Plywood Wall and Parapet & Coping Sheathing and states to be typical at rear-side of parapet vertical sheathing. The A3.9 Wall Section Details will be corrected per Addenda.</p> <p>Brennan Hartin - FGM Architects</p>													
Bid-1	Food Service Equipment	Closed	Holland Construct...	Kennedy, Terry (Holland Construction Services)	Hartin, Brennan (...)	02/18/2024	Terry Kennedy	03/25/2024	02/26/24					
	<p>Q: Terry Kennedy Sent Sun Feb 18, 2024 at 01:41 pm CST</p> <p>Is there a detailed spec doc for the foodservice equipment bid that details the manufacturer, model numbers etc that have been specified please?</p> <p>A: Terry Kennedy (Holland Construction Services) Responded Mon Feb 26, 2024 at 12:19 pm CST</p> <p>Holland Note : Please review revised scopes, Primarily Electrical, Plumbing and Carpentry in regards to the install and of items provided by the owner noted in this RFI.</p> <p>Brennan Hartin (FGM Architects Engineers, Inc.) Responded Wed Feb 21, 2024 at 03:57 pm CST</p> <p>Food Service equipment is to be an Owner purchased item and separate from this project Bid Scope and Not in this project Bid. The Concession space was designed around a planned equipment layout and items that was used for our Utility rough-ins and layout but essentially the Room is a "White Box" with utility roughs for this Project Bid. The only provided items within for this Bid are a handsink and Three Compartment sink (and all related components) which should be specified through the Plumbing Sheets and Spec Divisions.</p> <p>Brennan Hartin - FGM Architects</p>													

BID PACKAGE NO. 04 – MASONRY**Holland Construction Services Standard Scope Items**

1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, as well as the Special Conditions above, apply to this Section. Technical Specifications, which relate to this Bid Category, include, but are not limited to the following sections:
 - A. Spec 04 22 00 – Concrete Unit Masonry
 - B. Spec 04 72 00 – Cast Stone Masonry
 - C. Spec 07 27 26 – Fluid Applied Membrane Air Barriers
2. Each contractor is responsible for the complete contents of the general notes for this project as shown on the Drawings.
3. Each contractor shall provide bid security in the amount of 5% of the bid as a Bid Bond or a Cashier's check. Any bid submitted without a bid security will not be accepted.
4. Each contractor shall provide a performance and payment bond. Bonds shall be obtained and presented to the Construction Manager prior to execution of the contract with Owner.
5. This contractor shall pay at a minimum the current Prevailing wage rates listed for the county for which the work is being performed. Please contact IDOL at 217-782-1710 for wage rates or clarifications. Each Contractor and Subcontractor shall submit, on a monthly basis, a certified payroll to the Owner, evidencing the Contractor's and Subcontractor's compliance with the Prevailing Wage Act.
6. This Contractor shall coordinate the work of this package with all other trades performing adjacent/concurrent work to ensure proper, timely, and adequate interface.
7. This contractor shall include all traffic control measures necessary to perform, protect this work and to protect the public.
8. All construction traffic to utilize the parking/laydown areas.
9. All rubbish and debris generated by this contractor shall be placed in dumpsters provided by this contractor.
10. This contractor will be directed to proceed with submittals, shop drawings based upon the base bid amount, immediately after contract is awarded.
11. Contractor to assist in coordination of testing (by Owner) required by this scope of work.
12. This Contractor shall be responsible for keeping surrounding streets clean from all mud and debris as a result of this scope of work.
13. Prior to availability of temporary electric service, this Contractor shall be responsible for its own temporary power requirements to complete the work of this Bid Package.

Scope Specific Items

1. This Contractor is responsible for delivery of all materials necessary to perform this scope of work. All deliveries must be coordinated with Holland Construction Services.
2. This Contractor shall provide all labor, materials, tools, and equipment to furnish and install all items described in this Bid Package along with all additional components and accessories needed for a complete and finished system and installation in accordance with the Contract Documents.
3. This bid package includes all labor, material, tools and equipment to furnish and install all concrete masonry units, veneer block units, cast stone veneers, cavity wall insulation, mortar, masonry joint reinforcement, ties and anchors, reinforcing steel, embedded metal flashing, compressible fillers, wicks, cavity drainage, temporary wind bracing and cold weather protection to provide a complete exterior masonry system, structural masonry and interior masonry in accordance with the plans and specifications.
4. Furnish and install all thru-wall flashing and weeps.

5. Provide all washing and cleaning of masonry. Includes all temporary protection of masonry work.
6. Provide all miscellaneous masonry accessories.
7. Provide all masonry expansion joints as required and/or indicated on the drawings.
8. Provide necessary labor and material to patch masonry around all wall penetrations.
9. ~~Provide and install all rigid board cavity insulation, thermal and air barrier membrane at masonry walls where indicated. It is the intent that this contractor installs the fluid applied moisture/air barrier and rigid cavity insulation that attaches to masonry.~~
10. *This contractor shall provide the fluid applied air barrier for the entire project as specified. Multiple mobilizations will be required.*
11. *This contractor is responsible for the rigid board cavity insulation that is applied to masonry only.*
12. This contractor to ensure top of wall bracing indicated on the structural drawings is completed. This contractor to set embedded items provided by others. Structural steel contractor to furnish and weld.
13. All lintels in masonry openings and not welded to framing will be furnished by the Structural Steel Contractor and installed by the Masonry Contractor. Structural Steel Contractor will furnish and install all lintels welded to framing.
14. Provide mock-ups as indicated to demonstrate full-size qualities of materials, workmanship, and aesthetic effects. The on-site location for the mock-up panels shall be as directed by the Construction Manager.
15. Install all sleeves, embeds, reglets, and shelf angles furnished by others.
16. This contractor to furnish, drill and epoxy all dowels into foundations as required for this work.
17. Provide caulking of all masonry joints, masonry to steel joints, and at all locations where masonry abuts other material. This includes any backer rod.
18. Provide all required scaffolding and planking and other means to access the work to be performed in this Bid Category.
19. Supply and install stone cap at retaining walls as shown on the contract documents.
20. All visible corners shall be ground/sealed at production facility, not in the field.
21. Furnish and install all temporary bracing of masonry construction in accordance with OSHA and the masonry institute.
22. It is this Contractor's responsibility to verify masonry quantities and place Contractor's purchase order.
23. This contractor is responsible for all bucks/temporary bracing required at all openings as needed to temporarily support masonry at openings.
24. This Contractor shall receive, unload, inventory, store, and install all embeds, sleeves, shelf angles, hoist beams, access doors, and all other items furnished by another trade for installation by this Contractor.
25. This Contractor shall include all grouting of masonry to adjacent surfaces, including but not limited to beam pockets, existing finishes, etc.
26. This Contractor shall provide clean-up for this work, including broom clean areas, and dispose of all debris daily into dumpsters or trucks provided by this Contractor.
27. Once scaffolding system is removed from an area, remove all masonry debris from grade and redress grades to their original elevation and condition. Includes all temporary roads, grades and building structures affected by mortar mixers, lulls, scaffolding and any other masonry equipment.
28. Include labor and material to patch masonry around all mechanical, electrical, plumbing and fire protection items.
29. ~~Grout and/or insulate all hollow metal frames adjacent to masonry.~~
30. This contractor understands that sequencing of steel erection and other trades will dictate work areas. Areas of the building will need to be left out for access.
31. This contractor is responsible for daily protection of its walls to prevent rain or any water from entering the wall system or cavity.
32. The masonry contractor shall provide all layout for this work. Includes layout for wall openings, penetrations, and coordination of other trades.
33. Provide all grouting of block in accordance with the construction documents.
34. This contractor understands multiple sequences may be involved at each building due to masonry bearing conditions.
35. This contractor shall provide dumpsters for their waste
36. *Provide mock up as shown on the contract documents*

37. *All penetrations through fluid applied air barrier shall be sealed per manufacturer's recommendations.*
38. *Exterior insulation at the sheet metal siding that is infilled at the sub framing system is excluded in this contract.*

BID PACKAGE NO. 7.2 – Sheet Metal and Aluminum Siding**Holland Construction Services Standard Scope Items**

1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, as well as the Special Conditions above, apply to this Section. Technical Specifications, which relate to this Bid Category, include, but are not limited to the following sections:
 - A. Spec 07 42 10.11 – Composite Metal Hybrid (CMH) Sub Framing System
 - B. Spec 07 46 16 – Aluminum Siding and Soffit Panels
 - C. Spec 07 62 00 – Sheet Metal Flashing and Trim
 - D. Spec 07 71 23.13 - Manufactured Downspout Boots
 - E. Spec 07 92 00 – Joint Sealants (Exterior/Roof)
2. Each contractor is responsible for the complete contents of the general notes for this project as shown on the Drawings.
3. Each contractor shall provide bid security in the amount of 5% of the bid as a Bid Bond or a Cashier's check. Any bid submitted without a bid security will not be accepted.
4. Each contractor shall provide a performance and payment bond. Bonds shall be obtained and presented to the Construction Manager prior to execution of the contract with Owner.
5. This contractor shall pay at a minimum the current Prevailing wage rates listed for the county for which the work is being performed. Please contact IDOL at 217-782-1710 for wage rates or clarifications. Each Contractor and Subcontractor shall submit, on a monthly basis, a certified payroll to the Owner, evidencing the Contractor's and Subcontractor's compliance with the Prevailing Wage Act.
6. This Contractor shall coordinate the work of this package with all other trades performing adjacent/concurrent work to ensure proper, timely, and adequate interface.
7. This Contractor shall include all traffic control measures necessary to perform, protect this work and to protect the public.
8. All construction traffic to utilize the parking/laydown areas.
9. All rubbish and debris generated by this contractor shall be placed in dumpsters by this contractor. Dumpsters to be provided by Holland.
10. This contractor will be directed to proceed with submittals, shop drawings based upon the base bid amount, immediately after contract is awarded.
11. This Contractor shall be responsible for keeping surrounding streets clean from all mud and debris as a result of this scope of work.
12. Prior to availability of temporary electric service, this Contractor shall be responsible for its own temporary power requirements to complete the work of this Bid Package.

Scope Specific Items

1. This Contractor is responsible for delivery of all materials necessary to perform this scope of work. All deliveries must be coordinated with Holland Construction Services.
2. This Contractor shall provide all labor, materials, tools, and equipment to furnish and install sheet metal fascia, soffit, gutters, scuppers, downspout, and pre-finished break metal in accordance with the Contract Documents.
3. This Contractor shall provide all labor, materials, tools, and equipment to furnish and install all aluminum panel siding and soffit in accordance with the Contract Documents, including any and all sub-framing and *insulation systems that integrate with the sub framing systems*.
4. Furnish and install downspout connection components per the documents in coordination with Storm Sewer Contractor. The intent for this contractor is to include the cast transition boots at the PVC to the

- downspout, as it needs to be coordinated with the shape of the downspouts.
5. Furnish and install all splash blocks, precast at ground level and pre-finished metal on roof.
 6. Provide any component required to obtain the specified warranties shall be included in this Contractor's base bid.
 7. This Contractor shall be prepared to provide sufficient manpower, equipment, and material to install sheet metal, gutter, scupper, and downspouts systems in multiple areas simultaneously as required by the Construction Manager. The Contractor agrees to install multiple systems in multiple building areas at the same time as dictated by the schedule.
 8. Provide for a smooth transition at all tie-in locations as it relates to this Bid Package. Include any and all caulking at areas where finished products of this scope abut previously finished items.
 9. Provide all necessary weather protection as required to guard all work under this Bid Package work from any damage during installation.
 10. *Provide mock up as shown on the contract documents.*
 11. *All penetrations through fluid applied air barrier shall be sealed per manufacturer's recommendations.*

BID PACKAGE NO. 9.1 – Metal Studs / Drywall/ Acoustical Ceilings**Holland Construction Services Standard Scope Items**

1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, as well as the Special Conditions above, apply to this Section. Technical Specifications, which relate to this Bid Category, include, but are not limited to the following sections:
 - A. Spec 05 40 00 – Cold Formed Metal Framing
 - B. Spec 07 21 00 – Thermal Insulation
 - C. Spec 07 24 19 – Water-Drainage Exterior Insulation and Finish System (EIFS)
 - D. Spec 07 24 21 – Direct Applied Exterior Finish System (DEFS)
 - E. Spec 07 27 26 – Fluid-Applied Membrane Air Barriers
 - F. Spec 07 92 00 – Joint Sealants
 - G. Spec 07 95 00 – Expansion Control
 - H. Spec 09 22 16 – Non-Structural Metal Framing
 - I. Spec 09 29 00 – Gypsum Board
 - J. Spec 09 51 13 – Acoustical Panel Ceilings
 - K. Spec 09 84 36 – Ceiling Sound Diffuser Units
2. Each contractor is responsible for the complete contents of the general notes for this project as shown on the Drawings.
3. Each contractor shall provide bid security in the amount of 5% of the bid as a Bid Bond or a Cashier's check. Any bid submitted without a bid security will not be accepted.
4. Each contractor shall provide a performance and payment bond. Bonds shall be obtained and presented to the Construction Manager prior to execution of the contract with Owner.
5. This contractor shall pay at a minimum the current Prevailing wage rates listed for the county for which the work is being performed. Please contact IDOL at 217-782-1710 for wage rates or clarifications. Each Contractor and Subcontractor shall submit, on a monthly basis, a certified payroll to the Owner, evidencing the Contractor's and Subcontractor's compliance with the Prevailing Wage Act.
6. Engineered layout will be the responsibility of the Owner.
7. This Contractor shall coordinate the work of this package with all other trades performing adjacent/concurrent work to ensure proper, timely, and adequate interface.
8. This Contractor shall include all traffic control measures necessary to perform, protect this work and to protect the public.
9. All construction traffic to utilize the parking/laydown areas.
10. All rubbish and debris generated by this contractor shall be placed in dumpsters by this contractor. Dumpsters to be provided by Holland.
11. This contractor will be directed to proceed with submittals, shop drawings based upon the base bid amount, immediately after contract is awarded.
12. Contractor to assist in coordination of testing (by Owner) required by this scope of work. Provide all layout required for this package, beyond the scope of work as outlined in contract documents. The Owner will provide control lines and elevation benchmarks one time only. If additional layout is required, this contractor will be responsible for payment for said services.
13. This Contractor shall be responsible for keeping surrounding streets clean from all mud and debris as a result of this scope of work.
14. Prior to availability of temporary electric service, this Contractor shall be responsible for its own temporary power requirements to complete the work of this Bid Package.
15. This Contractor shall include time and materials for any BIM coordination and/or 3D modeling as required for this project.

Scope Specific Items

1. This Contractor is responsible for delivery of all materials necessary to perform this scope of work. All deliveries must be coordinated with Holland Construction Services.
2. This Contractor shall provide all labor, materials, tools, and equipment to furnish and install all items described in this Bid Package along with all additional components and accessories needed for a complete and finished system and installation in accordance with the Contract Documents.
3. Furnish and install all exterior metal studs, structural metal studs, clips, angles, layout, bracing, furring channels, exterior sheathing, shaft wall assemblies, anchors, seismic reinforcing, sealants, insulation, expansion joints, vapor/air barrier, drywall, glass mat, exterior wall sheathing, metal trim, and all other components required for a complete exterior wall framing system in accordance with the construction documents and compatible with all other building components.
 - A. This scope of work shall include the horizontal glass mat sheathing at the exterior vertical parapet walls whether it is below the EIFS system or the membrane roofing.
4. Provide and install all rigid board cavity insulation, ~~thermal and air barrier wall system~~ at metal stud walls where indicated. It is the intent that this contractor installs the ~~fluid applied moisture/air barrier and rigid~~ cavity insulation that attaches to the metal studs, *excluding an d mineral wool insulation at the metal siding subframing system.*
5. *The fluid applied air barrier is provided by others, this contractor shall coordinate the work with the mason.*
6. *All penetrations through fluid applied air barrier shall be sealed per manufacturer's recommendations.*
7. This contractor shall include any welding of metal studs as required as noted on the contract documents.
8. Furnish and install all interior metal studs, clips, bracing, layout, gypsum board, control joints, slip track, seismic reinforcing, vapor barrier, sound batts, insulation, taping, finishing, anchors, plaster, caulking, metal trims and all other components required for a complete interior partition and ceiling system in accordance with the construction documents and compatible with all other building components.
9. Furnish and install all acoustical ceiling grid, pad, splay wires, layout, structural supports, expansion joints, seismic reinforcing, caulking, and all other components required for a complete and total acoustical ceiling system in accordance with the construction documents and compatible with all other building components.
10. Furnish and install acoustical ceiling baffles ACB-1, ACB-2.
11. Furnish and install all exterior insulation finish systems and direct applied exterior finish systems as noted in the construction documents.
 - A. All flashings and subflashings as required by the contract documents shall be included with this scope of work.
12. Furnish and install all caulking of adjacent drywall and acoustical surfaces. Where drywall interfaces with masonry, the drywall contractor will be responsible for caulking.
13. This Contractor to provide layout of work in this package including, but not limited to ~~partitions,~~ acoustical ceilings, ~~interior and exterior door opening framing,~~ soffit/bulkhead framing and interior and exterior window opening framing as required.
14. Furnish and Install all required access panels in building components included in this scope of work.
15. Furnish and install all insulation for all items with this package including, but not limited to all insulation between metal deck and partitions.
16. Temporary lighting will be available per the construction documents; any additional lighting required for this work would be this Contractor's responsibility.
17. Includes all wall, floor and roof sleeves as required for work included in this Bid Package.
18. Furnish and install thermal and air barrier wall system to metal stud framing systems per contract documents. It is the intent that this contractor installs the rigid insulation that attaches to metal stud framing and Bid Package No. 5 will provide and install where it attaches to masonry, regardless of exterior material finish. All spray foam is by this contractor, including top of metal studs, soffit areas and top of CMU walls.
19. ~~Furnish and install grout/insulation in all hollow metal frames located in metal stud partitions per contract documents. See hollow metal frame details. Grouting of frames in masonry openings is by the masonry~~

- ~~contractor.~~
20. *This contractor to grout all hollow metal frame with closed cell insulation per the contract documents.*
 21. Furnish and install structural bracing in metal stud walls per contract documents. Any welding of metal studs is the responsibility of this contractor.
 22. This contractor is responsible for the glass mat gypsum sheathing at the backside of the parapets, above the roof as shown on the contract documents.
 23. Prior to installation of ceiling grid and/or ceiling framing, coordinate with all trades the layout of above ceiling items to avoid interference and to confirm location of all ceiling items. Review all drawings including MEP and FP. Includes layout necessary for mechanical ceiling cassettes.
 24. Includes all mold and moisture resistant, type-x, and all other specialty gypsum board as indicated in the Contract Documents for all interior partitions.
 25. Includes wall and ceilings of all header walls, hanging walls, light coves, and all other features constructed of light gauge metal studs or wood framing as indicated in the Contract Documents.
 26. Includes all specialty furring and framed openings required by the documents for recessed equipment, aluminum framed openings, operable partitions, and difference in finish thicknesses. Coordinate with all applicable trades to maintain STC rated assemblies.
 27. Includes building a section of exterior sheathing system as an in-place mockup, working mockup for review 2 weeks prior to proceeding with exterior wall work.
 28. This Contractor to provide frame penetrations for other trades from trades layout prior to framing commencing, as coordinated.
 29. Install all fire extinguisher cabinet framing to ensure wall system fire rated integrity where applicable.
 30. All cold formed metal framing, as indicated under division 054000, shall have shop drawings designed by a licensed Structural Engineer registered in the State of Illinois. This is primarily exterior wall framing but could include some limited interior framing that exceeds height or span limitations of the Division 09 non-structural framing or gyp assembly spec sections.
 31. Includes walls and ceilings of all specialty furring and framed openings required by the documents for recessed equipment, operable partitions, and difference in finish thicknesses. Coordinate with all applicable trades to maintain STC rated assemblies.
 32. Includes all drywall reveals and other trim accessories associated with the drywall system as indicated in the Contract documents. Drywall trim includes but is not limited to corner beads, L-bead, J-mold.
 33. Provide all gypsum board around the perimeter of penetrations and behind boxes containing wiring devices, elevator call buttons, elevator floor indicators, and similar items in shaft wall and other light gauge metal framed partitions as indicated in the Contract Documents.
 34. Provide all control joints as indicated in the Contract Documents and the Gypsum Association's "The Standard Specification of Applying and Finishing of Gypsum Board GA-216." As part of the submittal package for this Bid Package a submittal showing how expansion and control joints will be placed is required.
 35. Drywall will be held 1/4 inches above concrete and gypcrete slabs. Void filled with fire or acoustical caulking as appropriate.
 36. Include coordination with other trades as applicable for this scope of work.
 37. *Provide mockup as shown on the contract documents.*
 38. *This contractor is responsible for the long leg runner system and any other ceiling transition as identified in the construction documents.*
 39. *This contractor shall be responsible for any in wall metal blocking. Wood blocking is by others.*
 40. *This contractor shall be responsible for all fiberglass sheathing at the parapet walls as detailed in the construction documents.*

SECTION 260721 – FIRE ALARM SYSTEMS - ADDRESSABLE

PART 1 - GENERAL

1.1 SUMMARY

- A. This section includes addressable fire alarm systems.

1.2 RELATED DOCUMENTS

- A. Applicable provisions of the General Conditions, Supplementary General Conditions and Special Conditions shall govern work performed under this section.
- B. Section 260000 Basic Electrical Requirements
- C. Section 260010 Basic Electrical Materials and Methods
- D. Section 260025 Seismic Restraints

1.3 QUALITY ASSURANCE

- A. The equipment and installation shall comply with the current applicable provisions of the following standards:
 - 1. National Electrical Code, NFPA 70
 - 2. National Fire Alarm Code, NFPA 72
 - 3. International Building Code, IBC
 - 4. Life Safety Code, NFPA 101
 - 5. UL 864, 9th Edition Listed and Factory Mutual Approved
 - 6. ADA and ANSI A117.1
 - 7. NECA 305, "Standard for Fire Alarm System Job Practices"
 - 8. Applicable Local and State Building codes
 - 9. Requirements of the Local Authority Having Jurisdiction.
- B. Equipment Supplier Qualifications
 - 1. The fire alarm equipment supplier shall have a NICET level 4 certified individual on staff responsible for overseeing the technical design and engineering functions related to the fire alarm system. The current NICET level 4 certificate number must be submitted to the engineer with shop drawings submittals.
 - 2. The fire alarm equipment supplier shall have on staff NICET level 2 technicians supervising the final connections and programming of the system.
 - 3. The equipment supplier must be an authorized distributor/dealer of the equipment being provided. The supplier must be factory authorized to service under warranty the components furnished. Two stepping of equipment from a "box house" or out of area distributor is not allowed.
 - 4. Fire Alarm Contractor shall be capable of providing signed and sealed shop drawings for the fire alarm system, by a Professional Engineer of the State in which the project is located.

1.4 SUBMITTALS

A. Shop Drawings

1. The Contractor shall provide complete fire alarm system documents signed and sealed documents by a Professional Engineer of the State in which the project is located as follows:
 - a. Battery calculations
 - b. Voltage drop calculations
 - c. Wiring details and diagrams including types and sizes
 - d. Location of FACP, power supplies, DACT, annunciators, power connections, etc.
 - e. Floor plan indicating use of each room, ceiling heights and construction
 - f. Fire alarm matrix and interface of the fire safety controls functions
 - g. Equipment, device and material cutsheets and technical details including but not limited to the model number, listing info, type, rating, size, style, for all items.
 - h. Complete list of deviations, exceptions and variations from the Contract Documents related to the fire alarm system and associated equipment and systems.
2. The fire alarm shop drawings will be returned incomplete if signed and sealed documents as outlined above are not submitted. Engineer will provide a preliminary shop drawing review for general conformance prior to submitting final signed and sealed drawings upon request.
3. In the event a separate fire alarm permit/review is required, the signed and sealed Contractor shop drawings are to be submitted to SSC Engineering for review prior to SSC Engineering providing any signed and sealed fire alarm Contract Documents.
4. It is the responsibility of the Contractor to provide the above information in a timely fashion to accommodate the construction schedule.
5. Provide proof of authorization from equipment manufacturer for being a dealer and NICET certificates. The current NICET level 4 certificate number must be submitted to the engineer with shop drawings submittals. Shop drawing will be rejected if a current NICET certificate is not submitted.
6. Provide proof of authorization from equipment manufacturer for being a true authorized distributor/dealer for service and warranty as well as NICET certificates.

B. Record Drawings

1. Provide one complete set of as-built record drawings following project completion. The drawings shall include:
 - a. Routing of conduit and all wiring from each device, i.e. smoke detector, signaling appliance, etc. to the control panel, or remote power supply.
 - b. Clearly identify each indicating appliance circuit, initiating or SLC circuit, control circuit, etc. and quantity of conductors.

- c. Device location and identification number, control panel, circuit breaker and end-of-line resistor locations.
- 2. Provide one complete set of Operations and Maintenance Manuals, including completed Initial Acceptance Test form, Record of Completion form, and final submittal documents.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. The FACP shall be a **Simplex 4007ES (#4007-9102)** and shall contain a microprocessor based Central Processing Unit (CPU). The CPU shall communicate with and control the following types of equipment used to make up the system: intelligent detectors, addressable modules, annunciators and other system controlled devices. The panel shall be UL listed as a Fire Alarm Control Panel per UL 864, 10th Edition.

2.2 SYSTEM GENERAL OPERATION

A. System Alarm Detection

- 1. When a fire alarm condition is detected and reported by one of the system initiating devices, the following functions shall immediately occur:
 - a. The System Alarm LED shall flash.
 - b. A local signal in the control panel shall sound.
 - c. The 80-character LCD display shall indicate all information associated with the Fire Alarm condition, including: type of alarm point, its location within the protected premises and the time and date of that activation.
 - d. All system output programs assigned via control-by-event equations to be activated by the particular point in alarm shall be executed including:
 - 1) Alarm Indicating appliances.
 - 2) Control relays for general air handler shutdown.
 - 3) Control relays to recall and shut down power to the elevators per ASME A17.1 requirements.
 - 4) Central station outputs for connection digital communicator:
 - a) Alarm
 - b) Trouble
 - c) Supervisory
- 2. The Microprocessor unit shall contain and execute all control by event programs for specific action to be taken if an alarm condition is detected by the system. Such control by event programs shall be held in nonvolatile programmable memory and shall not be lost even if system primary and secondary power failure occurs.
- 3. All programming of the system may be achieved without special equipment or lap top computers and without interrupting the alarm monitoring functions of the Fire Alarm Control Panel. If special hardware or software is required to program the system it must

be included in this contract and be provided to the owner at time of delivery and the owner must be trained on the programming of the system.

4. Program edit shall not interfere with normal operation and fire protection. If a fire condition is detected during programming operation, the system shall exit programming and perform fire protection functions as programmed.
5. Provide a battery back-up and charging system for 24 hours of standby and 5 minutes of alarm for the entire fire alarm system.
6. Provide batteries sized as required per the battery calculations and include a remote battery cabinet if required. Provide seismic rated battery hold down kit and mounting kit.

B. Special FACP Features

1. The FACP shall provide the following features:
 - a. Drift Compensation to extend detector accuracy over life.
 - b. Sensitivity Test, meeting requirements of NFPA 72.
 - c. Maintenance Alert to warn of excessive compensation.
 - d. System Status Reports to display or printer.
 - e. Alarm Verification, with verification counters.
 - f. Non-Alarm points for general (non-fire) control.
 - g. Periodic Detector Test, conducted automatically by software.
 - h. Walk Test, with check for two detectors set to same address.
 - i. Control by Time for non-fire operations, with holidays.
 - j. Day/Night automatic adjustment of detector sensitivity.

C. Control Panel Switches

1. Acknowledge Switch
 - a. Activation of the control panel Acknowledge switch in response to new Alarms and/or Troubles shall silence the local panel piezo electric signal and change the Alarm and Trouble LEDs from flashing mode to steady ON mode. If multiple Alarm or Trouble conditions exist, depression of this switch shall advance the 80 character LCD display to the next Alarm or Trouble condition. Depression of the Acknowledge switch shall also silence all remote annunciator piezo sounders.
2. Signal Silence Switch
 - a. Activation of the Signal Silence Switch shall cause all programmed Alarm Indicating Appliances and relays to return to the normal condition after an alarm condition. The selection of indicating circuits and relays that are silence able by this switch shall be fully field programmable within the confines of all applicable standards. The FACP software shall include silence inhibit and auto-silence timers.
3. System Reset Switch

- a. Activation of the System Reset Switch shall cause all electronically latched initiating devices, appliances or software zones, as well as all associated output devices and circuits, to return to their normal condition. Holding the RESET switch shall perform a Lamp Test function.
4. Drill (Evacuate) Switch
 - a. Press and hold of the Drill switch shall activate all Indicating Appliance circuits. The Drill function shall latch until press of Signal Silence or Reset.
- D. SLC Loop Interface
 1. The SLC Interface shall provide power to, and communicate with, all of the Intelligent/Addressable Detectors and Addressable Modules over a single pair of wires.
 2. The Loop Interface Board shall receive analog information from all Intelligent Detectors that shall be processed to determine whether normal, alarm or trouble conditions exist for each detector. The software shall automatically maintain the detector's desired sensitivity level by adjusting for the effects of environmental factors, including the accumulation of dust in each detector. The analog information may also be used for automatic detector testing and for the automatic determination of detector maintenance requirements.
 3. The detector software shall meet NFPA 72 requirements and be certified by UL as a calibrated sensitivity test instrument.
 4. Provide dedicated loops as required to accommodate design requirements.
- E. System History Recording and Reporting
 1. The Fire Alarm Control Panel shall contain a History Buffer that will be capable of storing up to 400 system alarms/troubles/operator actions. Each of these activation's will be stored and time and date stamped with the actual time of the activation. The contents of the History Buffer may be manually reviewed, one event at a time.
 2. The History Buffer shall use non-volatile memory. Systems that use volatile memory for history storage are not acceptable.
- F. The Fire Alarm Control Panel shall include a full featured operator interface control and annunciation panel which shall include a backlit 80 character Liquid Crystal Display, individual, color coded system status LEDs and an alpha-numeric keypad for the Field Programming and Control of the Fire Alarm System.
- G. The remote fire alarm annunciator shall include a full featured operator interface control and annunciator panel which shall include a backlit 80-character liquid crystal display; individual color coded system status LEDs and an alpha-numeric keypad for the field programming and control of the fire alarm system. **Simplex #4606-9205.**
- H. Maintenance Functions
 1. Smoke Detector Sensitivity Adjust

- a. Means shall be provided for adjusting the sensitivity of any or all analog intelligent detectors in the system from the System keypad. Sensitivity range be will be within the allowed UL window and shall be HIGH/MEDIUM/LOW selection.
2. Alarm Verification
- a. Each of the Intelligent/Addressable Smoke Detectors in the system shall be alarm verified. The Alarm Verification Function shall be from 5-50 seconds and each detector shall be able to be enabled/disabled during the field programming of the system, or any time after system turn-on.
3. Automatic Detector Maintenance Alert
- a. The Fire Alarm Control Panel shall automatically interrogate each Intelligent Smoke Detector and shall analyze the detector responses over a period of time. If any Intelligent Smoke Detector in the system responds with a reading that is below or above normal limits, then the system will enter the Trouble Mode and the particular Detector will be annunciated on the System Display. This feature shall in no way inhibit the receipt of Alarm conditions in the system, nor shall it require any special hardware, special tools or computer expertise to perform.

2.3 FIELD DEVICES

A. Addressable Manual Stations

- 1. Addressable Manual Stations shall be provided to connect one addressable, supervised Manual Station to one of the Fire Alarm Control Panel Signaling Line Circuit (SLC) Loops. The Manual Station shall, on command from the Control Panel, send data to the panel representing the state of the manual switch. Manual Fire Alarm Stations shall be crush tube type with a key operated test-reset lock. **Simplex #4099-9006** as required.

B. Automatic Fire Detectors

1. Analog Addressable Photoelectric Type Smoke Detectors

- a. The Photoelectric-Type Smoke Detectors shall be Intelligent and Addressable and shall connect with two wires to one of the Fire Alarm Control Panel Signaling Line Circuit Loops. The detectors shall use the light obscuration principal to measure products of combustion and shall, on command from the control panel, send data to the panel representing the analog level of products of combustion.
- b. The detectors shall be ceiling-mount and shall include a twist-lock base. The detectors shall provide address-setting means on the detector head using rotary decimal switch and shall also store an internal identifying code which the control panel shall use to identify the type of detector. An output connection shall also be provided in the base to connect an external remote alarm LED. The detector sensitivity shall be set through the Fire Alarm Control Panel and shall be adjustable in the field through the field programming of the system. **Simplex #4098-9714 with #4098-9792 standard base.**

2. Analog Addressable Duct Smoke Detectors

- a. Duct Smoke Detectors shall be addressable and analog photoelectric type devices enclosed in a duct type housing and supplied with sampling tubes sized for the duct. The detectors shall be Intelligent and Addressable and shall connect with two wires to the Fire Alarm Control Panel Signaling Line Circuit. The detector sensitivity shall be set through the Fire Alarm Control Panel and shall be adjustable in the field through the field programming of the system. **Simplex #4098-9756 with weatherproof housing, sampling tubes, and #2098-9806 remote test switch station with indicator.**
3. Analog Addressable Heat Detectors
 - a. The Intelligent Heat Detectors shall be Intelligent and Addressable and shall connect with two wires to one of the Fire Alarm Control Panel Signaling Line Circuit Loops. The detectors shall use an electronic sensor to measure thermal conditions caused by a fire and shall, on command from the control panel, send data to the panel representing the analog level of such thermal measurements.
 - b. The detectors shall be ceiling-mount and shall include a twist-lock base. The detectors shall provide address-setting means on the detector head using rotary decimal switch and shall also store an internal identifying code, which the control panel shall use to identify the type of detector. **Simplex #4098-9733 with #4098-9792 standard base.**
- C. Remote Fire Alarm Annunciator Panel (FAAP):
1. The remote fire alarm annunciator shall include a full featured operator interface control and annunciator panel which shall include a backlit 80-character liquid crystal display; individual color coded system status LEDs and an alpha-numeric keypad for the field programming and control of the fire alarm system. **Simplex #4606-9205.**
- D. Control Module
1. Control Modules shall be provided to supervise and control the operation of one signal circuit or as an addressable Dry Contact (Form C) Relay for elevator and air handler control. The Control Module shall provide address-setting means using rotary decimal switches and shall also store an internal identifying code which the Control Panel shall use to identify the type of device. **Simplex #4090-9010.**
- E. Monitor Module
1. Monitor modules shall be provided to connect any N.O. dry contact device (water flow, tamper switches and kitchen hood) to the Fire Alarm Control Panel Signaling Line Circuit Loop. The Monitor module shall provide address-setting means using rotary decimal switches and shall also store an internal identifying code which the Fire Alarm Control Panel shall use to identify the type of device. **Simplex #4090-9001.**
- F. Horn Strobes
1. Audible signals shall be all-electronic and shall not require vibrating solenoids or contacts. They shall be 24 VDC polarized and meet UL 1971. Mounting shall be semi-

flush using standard back boxes. The visual section shall be 24 VDC polarized Xenon strobe with FIRE lettering clearly visible. The horn shall include a high/low switch to provide 100 dBA (high) or 94 dBA (low) sound pressure based on anechoic chamber measurements. Set on low volume setting in small rooms, stairwells and restrooms. The horn output shall be switch selectable between a continuous tone or Temporal Code 3 tone. Set tone to Temporal Code 3 pattern. Provide signals based on the following types (verify white housing is acceptable with AHJs prior to ordering.):

- a. Horn/ strobe with multi-candela output: **Simplex #4906-9129 for wall mounted. #4906-9130 for ceiling mounted.**
 - b. Strobe light with multi-candela output: **Simplex #4906-9103 for wall mounted. #4906-9104 for ceiling mounted.**
2. Provide weatherproof appliance and back box when installed exterior to the building, within wet locations or wherever located outside the listed environment of the "standard" notification appliance. Simplex #4906-9131 horn/strobe with 49WPBB-AWWOWR back box.
- G. Magnetic Door Holders
1. Magnetic door holders shall be 120 VAC and 24 VAC/DC models with 35 to 40 pounds holding power. Magnet protected against transients and surges up to 600 volts (AC models). Magnetic field intensity of 5.6 oersteds and 1 meter. Fail-safe operation; power failure releases door to close. Floor and wall models and two year warranty. Holder shall be floor mounted or flush wall mounted by Sentrol or equivalent.
- H. Remote Power Supplies
1. Signaling appliance remote power supplies shall be UL listed for fire alarm signaling and provide 6 amps of 24 VDC power. The power supply shall include 4 style Y notification appliance circuits. Provide two (2) 7.0 amp hour batteries with each power supply. Remote power supply shall be **Simplex #4009-9201**. Provide as required for audible/visual signals.
 2. Provide with seismic restraint of batteries.
- I. Surge Protection Devices
1. Where metallic fire alarm cabling leaves the building above or below grade to an exterior device, provide surge protection where the cabling exits the building. Where devices are mounted to an exterior wall and cabling does not extend past the building façade, surge protection may be omitted. Surge device shall be equivalent to Ditek.
- J. Central Monitoring Equipment shall be UL listed and include a commercial fire digital communicator complete with the following features:
1. Meet NFPA 72 requirements for Digital Alarm Communicator Transmitter.
 2. Capable of seizing the proper communication method at the protected premises, disconnecting an outgoing or incoming call and preventing its use until signal transmission has been completed.

3. Contain a minimum of 4 channels.
4. Connected to two separate communication methods at protected premises.
5. Capable of selecting the operable communication method in the event of a failure on either method.
6. Programmed to utilize the alternate method should the signal transmission be unsuccessful.
7. Equipped with battery pack, charger, telephone jack and dedicated 120 VAC receptacle.
8. The digital communicator shall be connected to the fire alarm system to receive and transmit alarm signals, trouble conditions and supervisory conditions. Monitoring service and communicator programming shall be furnished by owners monitoring company.
9. Provide a dual path communicator module/device that utilizes IP communication and cellular (GSM or CDMA) communication. Provide programming, cables and connectors as required. Owner to provide active data port.

PART 3 - EXECUTION

3.1 POWER SOURCE

- A. The Fire Alarm Control Panel shall be connected to a separate dedicated 120 volt, 20 Amp branch circuit. This circuit shall be labeled at the Electrical Panel as FIRE ALARM.
- B. The fire alarm remote power supplies shall be connected to a dedicated 120 volt, 20 amp branch circuit labeled as FIRE ALARM. Provide required quantities of power supplies and circuits as required.

3.2 WIRING

- A. Wiring will be as required by the Equipment Supplier. Wire color coding and the color shall remain the same throughout the system. In general, all initiating devices such as manual stations, thermal detectors and smoke detectors shall be installed across a common #18 AWG twisted shielded pair. The signal circuits shall require #14 AWG. All system wiring shall be plenum rated wire. The ground will be minimum one #6 AWG insulated copper. Provide conduit with insulated bushing in wall from device up to accessible ceiling.
- B. Provide surge protection devices on all circuits that enter the building from the exterior. Surge suppression shall be equivalent to Ditek.

3.3 TESTING

- A. The operation of the Fire Alarm System shall be checked by a representative of the equipment supplier. At the final inspection, a factory-trained representative of the manufacturer of the equipment shall demonstrate that the system functions properly in every respect. A report describing the test results shall be submitted to the Engineer.
- B. The system will not be accepted until final testing and receipt of the NFPA 72 Inspection and Testing Form has been obtained and approved.
- C. System shall be tested and installed to maintain the UL "UUFX" listing as required by the AHJ, Fire Protection District or Fire Department.

3.4 INSTRUCTION

- A. Instruction shall be provided as required for operating the system. Hands-on demonstrations of the operation of all system including changes and functions shall be provided.
- B. The contractor and/or the systems manufacture's representatives shall provide a type written "sequence of operation" to allow the owner to silence reset and acknowledge the fire alarm control panel.
- C. Provide a minimum of eight (8) hours training for staff personnel in the operation and maintenance of the system.

3.5 INSTALLATION

- A. In order to assure compliance with the NFPA Standards and manufacturers requirements the fire alarm equipment supplier to the electrical contractor must perform the following functions:
 - 1. Install and connect each and every detector, signaling appliance, pull station, control/monitor module, annunciator etc., excluding the rough-in and cabling between the devices.
 - 2. The electrical contractor shall install rough-in and cable between rough-in points as required by the fire alarm system supplier. Rough-in includes control panel back boxes, remote power supply back boxes and digital communicator back boxes.
 - 3. The electrical contractor shall provide any conduit, all required back boxes, 120 volt power and connections of the 120 volt power as required by the fire alarm equipment supplier to meet the functionality specified herein.
 - 4. Subcontracting by the fire alarm equipment provider to perform the field device installation and connections is not acceptable.
 - 5. Open conductors and conduits shall be supported in a manner and at intervals compliant with NEC requirements. Conductors and conduits installed above lay-in ceilings shall be supported from the building structure and shall not be permitted less than 9-inches above or behind removable panels or ceiling tiles.
 - 6. All wires shall be tagged at all junction points and shall test free from grounds or crosses between conductors.
 - 7. No other conductors shall be installed in conduits with conductors for the fire alarm system.
 - 8. Smoke detectors shall be protected from construction dust until after the construction clean-up of all trades is complete and final. Detectors that have not been protected prior to final clean-up by all trades shall be cleaned or replaced.
 - 9. A UL Certificate or FM Placard, per NFPA 72, shall be issued by the UL Listed or FM Approved contractor for all newly installed, required fire alarm systems.

B. Equipment Mounting

1. The control panel shall be flush mounted with no operational parts which may require maintenance mounted greater than 72-inches above the finished floor. The control panel annunciator shall be mounted so that no switch, manually operated device, display or LED is greater than 60-inches above the finished floor.
2. Duct detectors shall be provided under this section and will be mounted by the HVAC contractor at the supply side of all HVAC units of 2,000 cfm or greater and at the return side of all HVAC units of 2,000 cfm or greater per NFPA 90A and IMC, or as shown on the drawings. Supervise and coordinate placement by HVAC contractor and connect all circuits. Duct detectors shall be mounted in such a way as to obtain a representative sample of the airstream. The duct detectors shall be located in the zone between 6 and 10 duct widths from any duct bends or inlets. When located at duct openings, use spot detectors mounted as required by NFPA 72 for duct openings. Detectors shall be accessible for cleaning and shall be mounted in accordance with the manufacturer's instructions and NFPA standards.
3. At each smoke or fire smoke damper provide a spot detector pendant mounted in the duct with an access panel for maintenance and testing.
4. All HVAC equipment shutdown and smoke control functions shall be initiated by addressable control module interface with the EMS system. Relays shall be mounted within three (3) feet of the EMS interface equipment.
5. The remote annunciator shall be mounted so that no switch, manually operated device, display, or LED is greater than 60-inches above the finished floor.
6. The manual pull station(s) shall be securely mounted with the operable part of the manual pull station at 46-inches above the finished floor.
7. Wall mounted audible/visual, audible and/or visual devices shall be mounted with their bottoms at 80-inches above the finished floor or 6-inches below the ceiling, whichever is lower.
8. Ceiling mounted audible/visual, audible and/or visual devices shall be mounted where shown on the drawings with their visual lenses having an unobstructed line of site in all directions. Exact locations of devices shall be sufficiently distant from vertical surfaces and hanging items to permit maximum viewing from all directions.
9. Weatherproof audible/visual notification device shall be mounted at the fire department connection on the building exterior and with the final location as acceptable to the AHJ.
10. Devices shall not be supported by ceiling tiles. Devices must be attached to a back-box supported by the ceiling grid.
11. At each door (man, overhead, counter, etc.) with magnetic hold opens, provide smoke detector(s) located in accordance with NFPA 72, whether shown on plans or not.
12. Provide seismic restraints of equipment and batteries per the criteria in section 260025.

C. Painting and Patching

1. All fire alarm conduit shall be thoroughly cleaned, removing all dirt, oil, etc. and made ready to receive paint.
2. Holes in walls or floors cut during the performance of this work shall be patched or covered with standard escutcheon plates so as to completely conceal the cuts where they would otherwise be exposed to view.
3. Firestop all penetrations of fire rated assemblies.

END OF SECTION 260721

SECTION 26 09 50 – SOUND REINFORCEMENT

PART 1 - GENERAL

1.1 CONTRACT DOCUMENTS

- A. It is the purpose of this specification to require the contractor to provide the highest quality materials, equipment, and workmanship. The work shall be completed in accordance with this specification and in conformance with the layouts, descriptions, and details shown on the contract drawings. It shall be the responsibility of each bidder to verify all conditions and dimensions which pertain to this work. It is the intention of these specifications to provide complete and properly operating Sound Reinforcement System. The major items of equipment shall be furnished in the quantity shown, whether the item is shown on the schematic drawings, floor plans, or listed in the specification. Any minor item of equipment or hardware not specifically shown but required for the safe and proper operation of the Sound Reinforcement system shall be provided by the Contractor. All substitutions (including substitutions caused because a specified item has become obsolete or does not meet the project schedule) shall be approved by the Engineer at least 10 days prior to the date that bids are due.
- B. Work under this contract includes all labor, materials, tools, transportation services, field coordination, etc., necessary to complete the installation of the Sound Reinforcement systems as described in this specification and as illustrated on the drawings.

1.2 CONTRACTOR QUALIFICATION

- A. The Sound Contractor shall be a contractor who has regularly furnished and installed commercial Sound Reinforcement systems of the type specified for a minimum of the last 5 years.
- B. The Sound Contractor shall maintain a suitably staffed and equipped service organization and shall regularly offer maintenance services for systems of this type and size. The Sound Contractor shall have local service representatives within a 100-mile radius of the project site.
- C. The Sound Contractor shall be an authorized dealer of all equipment provided with this system. Given the inherent warranty difficulties which occur when products are provided from contractors who participate in trans-shipping or two-stepped equipment sales, this dealership requirement will be strictly adhered to. At the request of the Owner or Architect, any contractor responding to this bid proposal shall provide proof of dealership status for all listed system components or approved alternates. Failure to comply with this request will be grounds for bid rejection.
- D. At the request of the Owner or Architect, an inspection of the Sound/AV contractor's place of business shall be scheduled to demonstrate that the contractor possesses adequate plant and equipment to complete the work properly and in a timely manner, adequate staff with sufficient technical experience, and suitable financial status to meet the obligations of the contract.

- E. The Sound Contractor shall have a programmer on staff who has received factory training from the manufacturer to program the digital signal processing system provided, and who has received factory certification of same. At the request of the Owner or Architect, any contractor responding to this bid proposal shall provide proof of certified factory programming training for listed control equipment. A factory authorized independent programmer (i.e., Crestron Master CAIP) will also be accepted. Failure to comply with this request will be grounds for bid rejection.
- F. An Electrical Contractor or any other contractor who does not meet the requirements listed above who intends to bid on this work will be required to employ the services of a qualified "Sound System/AV Sub-Contractor". The "Sound System/AV Sub-Contractor" shall be named in the shop drawing submittal information along with written documentation verifying that the sub-contractor fulfills all requirements listed in 1.2 A through E.

1.3 PERMITS AND CODES

- A. All materials and equipment are to be installed in accordance with all applicable standards of the National Electrical Code, the electrical code of the governing local municipality, all other applicable local codes, and all safety codes and ordinances.
- B. All equipment supplied for this system shall be UL listed.
- C. All bidders will be required to provide all required local electrical permits.

1.4 SOUND CONTRACTOR'S SCOPE OF WORK

- A. Included in this contract the Sound/AV contractor shall provide:
 - 1. All major items of Sound Reinforcement equipment as specified.
 - 2. All miscellaneous items required for a complete and operating system.
 - 3. Shop fabrication of all equipment cabinets, outlet plates and panels, and subassemblies.
 - 4. All low voltage control equipment.
 - 5. All cables and outlet plates.
 - 6. Preparation of drawings & documentation required by the specification.
 - 7. Initial tests and adjustment.
 - 8. Instruction of owner's operating personnel.
 - 9. Preparation of the owner's manuals.
 - 10. Maintenance services and warranty.
- B. The Sound/AV contractor is responsible for the following related work:
 - 1. Supply accessories and minor equipment items needed for a complete system, even if not specifically mentioned herein or on the drawings, without claim for additional payment.
 - 2. Cooperate with all trades present in the building, so lost time, work stoppages, interference, and work inefficiencies do not occur. Assure labor "harmony" among personnel and subcontractors, and with other trades associated with construction, delivery, installation, and testing of the facility.

3. Provide detailed drawings sealed by a professional structural engineer for proposed loudspeaker mounting including hardware, method of attachment, weights, suspension locations and load calculations. Complete detailed drawings will be provided for evaluation by the owner prior to the installation of any speakers.

1.5 SUBMITTALS

- A. Shop drawings and submittal data shall contain sufficient information to describe the work to be performed. Prepare drawings at an appropriate scale and submit with the material submittal package. The required information shall include but not be limited to:
 1. Written verification of the "Sound System/AV Sub-Contractor" qualifications as required in PART 1 section 1.2, F.
 2. Wiring diagrams for each system including wire types.
 3. Rack drawings showing proposed rack layout.
 4. Rough-in information including power requirements.
 5. Layout of all custom plates outlet plates/panels.
 6. Layout of all custom engraved labels.
 7. A material list of all equipment to be furnished (arranged in specification order).
 8. Manufacturer's specification sheets of all equipment proposed to be provided.

1.6 RECORD DOCUMENTATION

- A. Submit as-built drawings as described below:
 1. The Sound/AV contractor shall maintain one complete set of drawings at the job site at all times throughout this project. Submit 1 corrected as-built set of drawings showing the work as installed to the architect at the completion of the project.

1.7 OWNER'S MANUALS

- A. Submit 2 sets of owner's manuals to the owner's representative during customer training. Each set shall contain the following:
 1. A list of major equipment items contained in the system.
 2. The manufacturer's instruction manual for each piece of major equipment.

1.8 WARRANTY

- A. The Sound/AV contractor shall warrant this system to be free from defects in material and workmanship for not less than one year after the date of substantial completion.
- B. This warranty shall be in addition to any manufacturer's warranties which may stay in effect for greater than one year.

1.9 SITE CONDITIONS

- A. This specification and the contract drawings show equipment fitting in the space available without interference based upon the preliminary architectural information available. If conditions exist at the job site which makes it impossible to install the work as shown,

recommend alternatives and or solutions to the conflict in writing to the architect for approval before installation.

PART 2 - PRODUCTS

2.1 INSTALLATION TECHNIQUES

A. Suspended Equipment

1. Mount equipment and enclosures plumb and square. Permanently installed equipment to be firmly and safely held in place with an extra safety cable used where possible. Design equipment supports with a safety factor of at least five for any overhead loudspeakers or other suspended equipment.
2. Comply with seismic restraints as required per 260025.

B. AC Power and Grounding

1. Equipment racks shall be grounded only to the feeding electrical panel via a #6 insulated green ground cable. (ground cable provided and installed by the electrical contractor) Racks shall not otherwise connect to the building structural steel. Insulated bushings shall be used to assure that there is no electrical connection between the racks and the building conduit system.

C. Equipment Racks

1. Cable within the equipment racks shall be separated and routed in groups according to function (mic cables, line level cables, control cables, speaker level cables, and 120 volt AC power circuits). Cable shall be neatly arranged using plastic cable ties or plastic wiring duct with covers. Tight bundling (making modifications difficult) shall be avoided.
2. Provide ventilation adequate to keep temperature within the equipment racks below 90 degrees with power on for 8 continuous hours. (Assuming proper building air conditioning and normal room temperatures).

D. Cable Marking

1. Each cable shall be properly identified at each end using suitable wrap-around or other permanent labeling method. All cable numbers shall be marked on the record drawings for future reference.

E. Cable Installation

1. Unless otherwise noted, all Sound/AV system cable shall be installed in conduit.
2. Take precautions to prevent electromagnetic and electrostatic hum pickup in the system wiring. For line level audio signals, float cable shields at the output of the source device. Shields not connected are to be folded back over the cable jacket and covered with heat shrink tubing for future use. Do not cut off unused shields.
3. Isolate cable of different signal levels in different bundles or different conduits such as mic level, line level, control, speaker level, AC power, and video.

4. Use plenum rated cable in plenum spaces, and direct burial cable in underground conduit.
5. Make joints and connections using rosin-core solder or mechanical connectors. Tape splices will not be acceptable. Spade lugs mounted on 22 gauge or smaller mic or line level cables are to be soldered after crimping. Any splice in line level cables is to be made with soldered spade lugs on Cinch 140 or 142 series barrier strips. No splices are acceptable in mic level cables. Barrier strips are to be mounted on 3/4 inch plywood painted flat black. All barrier strips are to be well marked as to the function of the connecting cables.

2.2 SYSTEM TESTING PROCEDURE

- A. Check all cables to make sure that no conductor in any cable is shorted to shield or to ground.
- B. Verify that all mic or balanced line level cables are free from shorts from pin #2 to pin #3 (high conductor to low conductor); or pin #2 or pin #3 to pin #1 (high or low conductor to shield).
- C. Using a 1KHz impedance meter, check the impedance of all speaker lines at the point they would connect to the power amplifier. Use 400Hz for low frequency speakers in biamplified or triamplified systems, and 100Hz for subwoofers. (Take these readings with all speakers connected and all speaker volume controls turned all the way up) Verify that the impedance on each line does not indicate a condition under which the power amplifier would be overloaded.
- D. Check all AC receptacles feeding the Sound Reinforcement systems to make sure the voltage of each is 110 VAC or greater, that the hot, neutral, and ground appear at the correct pins. Check to see that the system is truly grounded with an isolated ground through the ground isolated duplex receptacles to the local panel. Make sure that the equipment rack is receiving no other grounds through conduit or other building structural steel.
- E. Verify that all input and output jacks are labeled with the specified labels.
- F. Verify that all active equipment in the racks has been labeled on the front and rear. Verify that all user operated controls have been labeled so that an operator unfamiliar with the system can identify the proper controls for user adjustment.

2.3 SYSTEM TRAINING/DEMONSTRATION

- A. Train owner's operating personnel in the proper set up, operating and maintenance procedures for the systems installed under this contract, by providing a minimum of two (2) four-hour training sessions. Contractor shall include at least two (2) system inspections, one at 6 months after acceptance and the other at 12 months after acceptance, during the warranty period, for service or instructions as required by the Owner, at a time mutually agreeable to the Owner and Contractor

2.4 SYSTEM DESCRIPTIONS

- A. Paging/BGM System:

1. A Sound System main equipment rack for sound equipment. Rack to have fully vented front door, 8-outlet surge suppressor power strip dedicated for sound equipment and 1RU vents between pieces of sound equipment.
2. A wireless microphone system with receiver located in the rack and wireless handheld microphone transmitter to initiate pages to specific or all zones. Connect the wireless microphone receiver into input 2 on the mixer and connect the audio player into input 3 on the mixer. Ensure that the antennas of the wireless microphone receiver are positioned to ensure reliable reception of microphone transmitters throughout the pool area, including any antenna extensions and antenna amplifiers required.
3. A multi-format audio player
4. An 8 x 2 audio matrix mixer
5. A 2 x 800W power amplifier
6. A push-to-talk desktop microphone (total of 2 – one in Manager Office A120 and one in Concession A117) plugged into a 4-pin XLR microphone jack in each room. These microphones have contact closure circuits and shall be wired (microphone circuit and priority relay circuit) into input 1 and input 5 on the mixer.
7. Furnish and install on the outside of the main building a total of four (4) outdoor rated 8-inch two-way loudspeakers with wall mounts. The speakers shall be located on the east side of the buildings as indicated on the building plan. Provide four lightning arrestors, one where each speaker cable enters the building. Provide also 100W rack-mounted volume controls for the speakers.
8. All the outdoor speakers shall be on output 1 of the amplifier.
9. The volume controls shall be installed into a rack plate for volume control inserts.
10. Furnish and install all microphone cabling, speaker cabling, and miscellaneous other low voltage cabling as needed for a fully functional system.
11. All equipment shall be the manufacturer and model numbers included in these specifications. Any requests for exceptions must be approved by the specifying engineer.

BILL OF MATERIAL:

Qty.	MFG/Part Number	Description
1	Middle Atlantic/WRK-37SA-32	Floor mounted, seismic rated 37RU, 24"Wx32"D, open rear
1	Middle Atlantic/VFD-37	Vented front door,25% open, 37RU, black, 1 pair rails
1	Middle Atlantic/MW-VT	Vented top panel
1	Wiremold/R8BZ-15	Power Strip, 8x 15A, 1RU, Surge Suppressor , 15' Cord
1	Shure/QLXD24/SM58	Wireless Handheld Microphone System, SM58
1	Denon/DN-500CB	Audio Player, CD, USB, 1/8" Aux, Bluetooth, Balanced, RS232, Pitch Control
1	JBL/NCSM28-U-US	Mixer with 8 Inputs and 2 Outputs, 1RU Full rack
1	Crown/CDI2000	Amplifier, Dual Channel, 475W/Ch @ 8 ohms, 800W/Ch @ 4 ohms or 70 Volts
2	Astatic/878HL-2	Omnidirectional Dynamic Desktop Microphone with PTT Switch. Provide with male 4-pin XLR connector
2	Liberty/T00050-WQ531396	Plate, 1 gang, XLR4-F Jack to Solder, Anodized Aluminum

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ADDED IN ADDENDUM 2

FGMA # 23-3773.01

SOUND REINFORCEMENT

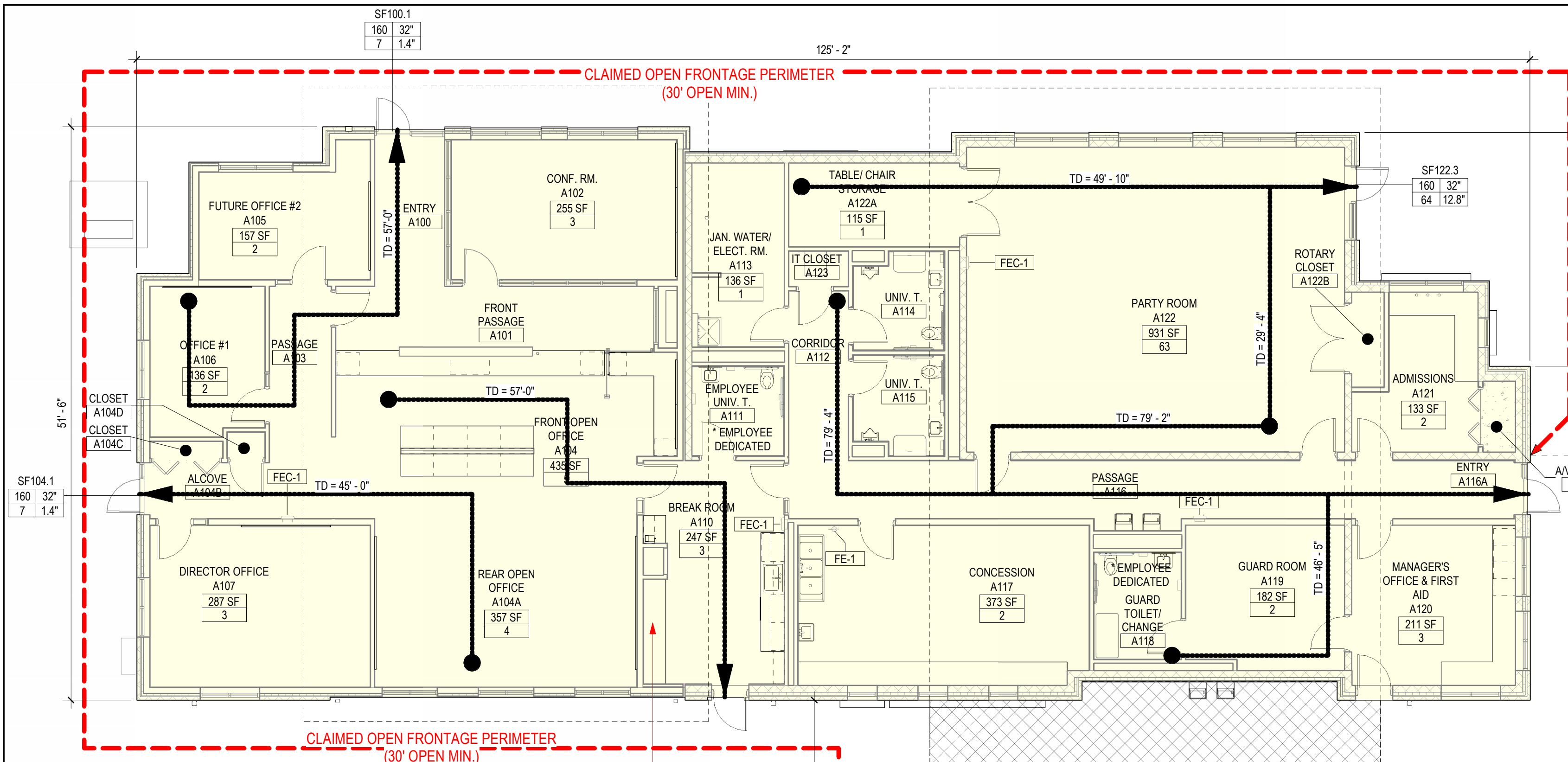
26 09 50 - 6

4	Community/R.35-3896	Loudspeaker, Full-range3-way, 8-inch, 90x60, grey, weather-resistant
4	Grommes-Precision /SLS	Speaker Lightning Suppressor, 10A
4	Atlas/AT100-RM	Deluxe Rack Mounted 100W Attenuator, 3dB steps
1	Atlas/ATPLATE-052	2RU Plate, Pre-punched for 6 Attenuators
As Req'd	Various	Cables for speakers, microphones, data, RS232, Low Voltage devices/equipment, etc.

Verify all quantities listed and provide the higher quantity between plans, specs and those required.

END OF SECTION 260950

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BUILDING PLUMBING FIXTURE COUNT/OCCUPANCY (SECTION 890.810) - FOR BLDG. 'A'. Includes tables for IDPH requirements and fixture counts for various fixtures like toilets, urinals, and showers.

PLUMBING CODE FIXTURE CALCULATIONS. Includes a table for bather load calculations based on room area and fixture counts.

BUILDING BATHER LOAD PLUMBING FIXTURE COUNT/OCCUPANCY (SECTION 820) - FOR BLDG. 'B'. Includes tables for project bather load and plumbing fixtures provided for men's and women's locker rooms.

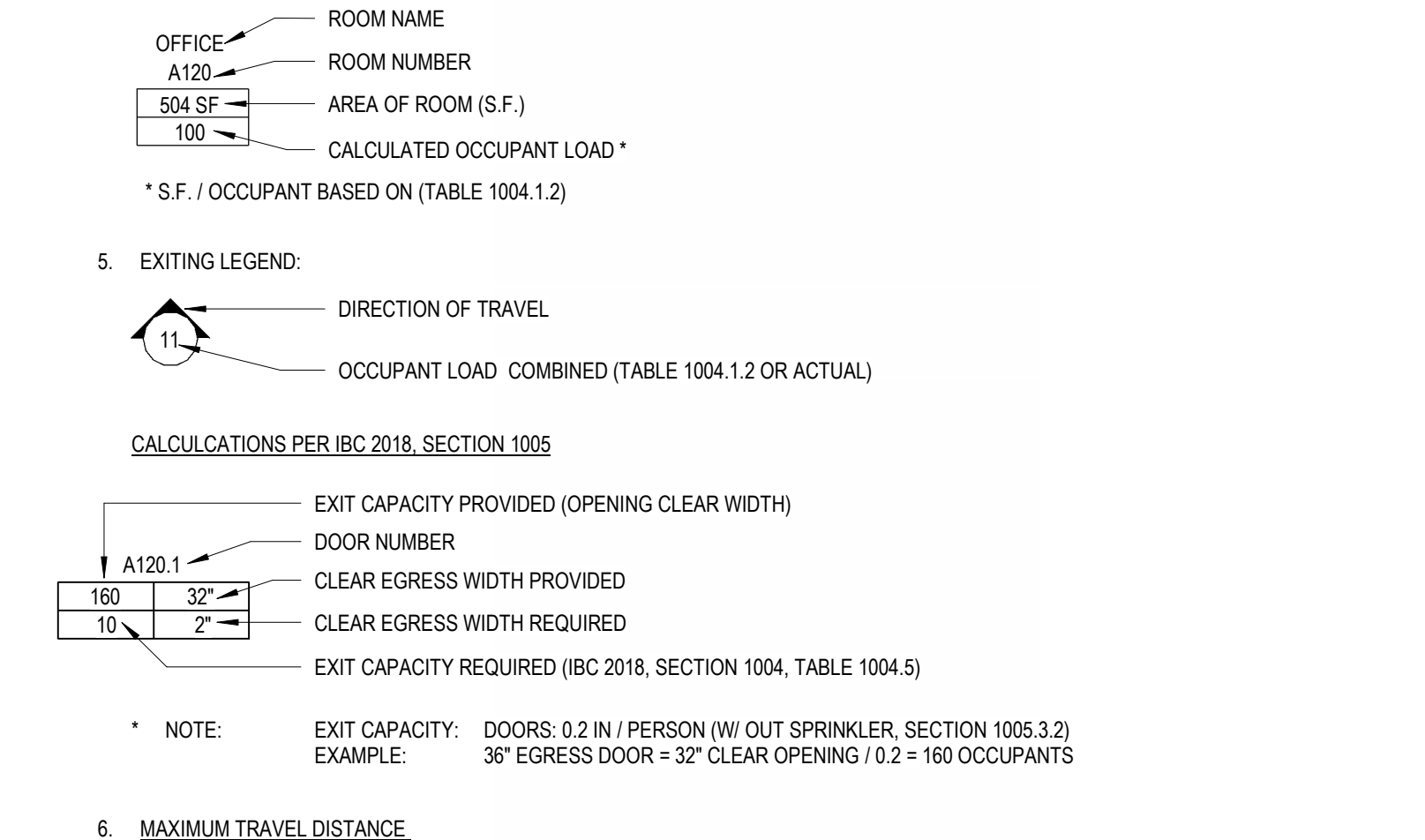
PLUMBING IDPH FIXTURE CALCULATIONS. Includes a table for occupancy room schedule for Building B, detailing room names, areas, and occupancies.

Occupancy Room Schedule table for Building B, listing rooms from A100 to C158, including room names, net areas, occupancy types, and calculated occupant loads.

Code Compliance Notes section listing applicable codes for O'Fallon, IL (AHJ - City) including International Building Code, International Fire Code, and various plumbing codes.

Building Areas table showing ground floor gross enclosed area, footprint area, and other metrics for various building components.

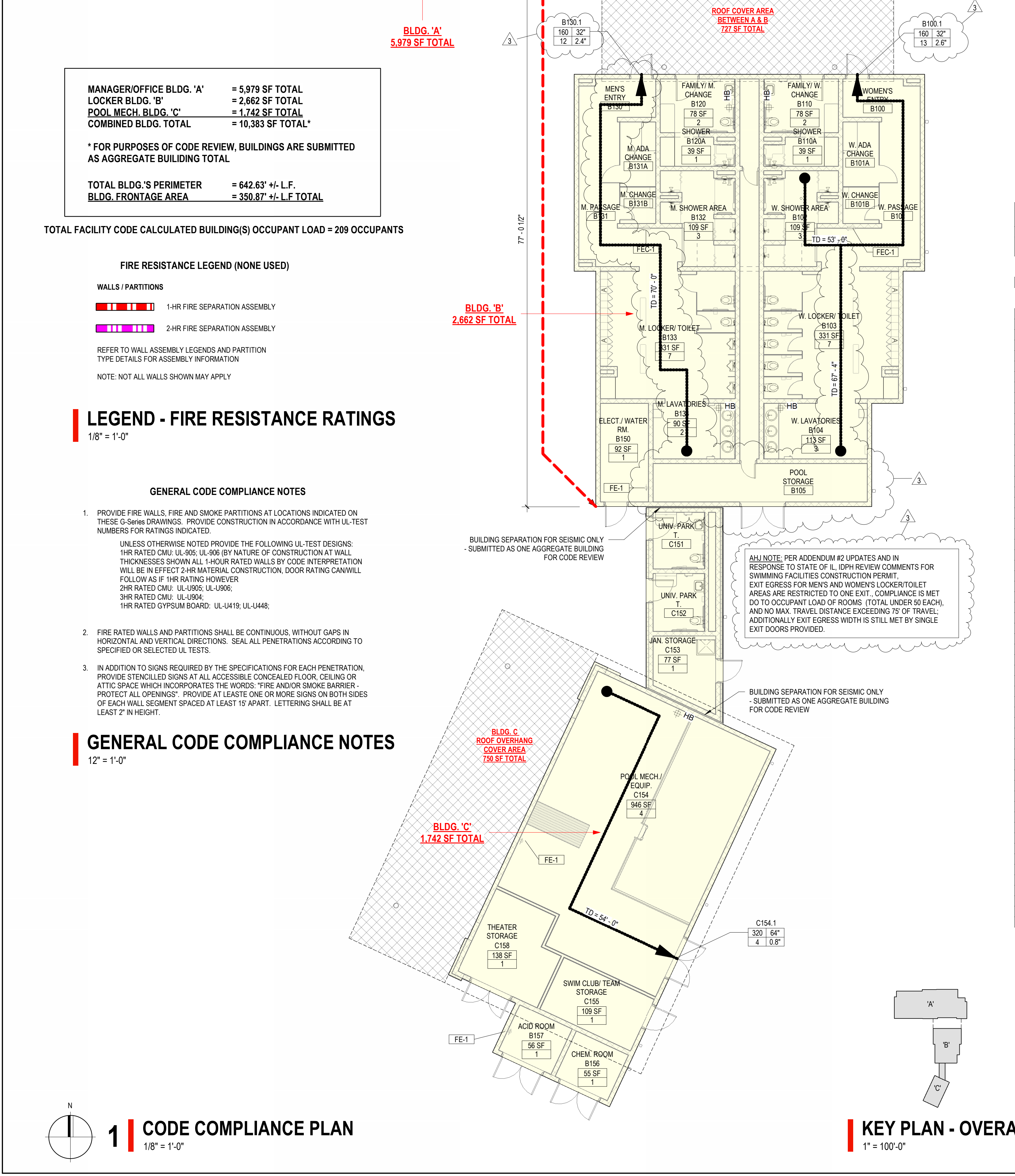
Code Compliance Notes detailing primary building occupancy group (A-3), fire protection systems (no automatic sprinkler system), and other regulatory requirements.



IBC 2018, TABLE 1006.2.1 table showing maximum travel distance and maximum height for different occupancy types (A, B, S-1).

Fire Resistive Requirements table listing fire resistance ratings for structural frame, exterior walls, interior walls, and roof construction.

Code Compliance Matrix table listing various code requirements (e.g., exit access corridors, fire partitions) and their compliance status.



1 CODE COMPLIANCE PLAN. Includes a north arrow and scale of 1/8" = 1'-0".

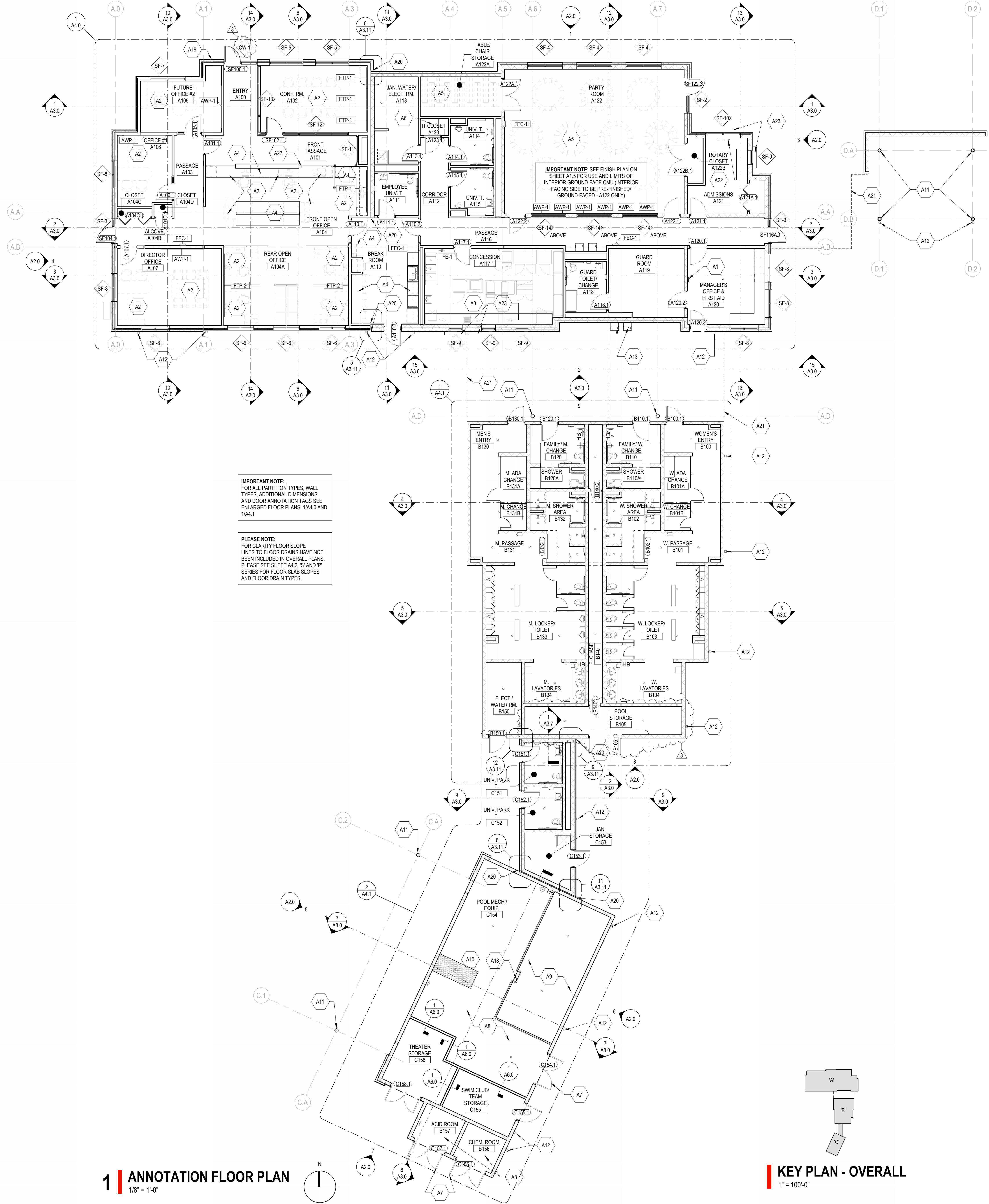
KEY PLAN - OVERALL. Includes a scale of 1" = 100'-0".

Professional seals and logos for FGM Architects Inc., MLENNIA PROFESSIONAL SERVICES, STRUCKER KREHER ENGINEERING, INC., M.E.P. ENGINEERING, INC., and AQUATIC CONSULTING-HUNSAKER & ASSOCIATES.

ISSUANCE table with columns for NO., DATE, and DESCRIPTION, listing revisions to the IDPH SUBMISSION #1 and ADDENDUM #2.

Project title block: O'FALLON COMMUNITY PARK ENHANCEMENTS - NEW POOL AND AMPHITHEATER (PHASE 1). Includes location (O'Fallon, IL 62269) and 'ISSUED FOR BID/ PERMIT' status.

Code Compliance Plan SHEET NO. G1.1. Includes project number (JOB NO. 23-3773.01) and date (© 2024 FGM Architects Inc.).



1 | ANNOTATION FLOOR PLAN
 1/8" = 1'-0"

KEY PLAN - OVERALL
 1" = 100'-0"

FLOOR PLAN KEYED NOTES	
TAG	DESCRIPTION
A1	IDPH MANDATED EMERGENCY TELEPHONE - SEE 'E' SERIES. MOUNT 48" AFF MAX.
A2	FURNITURE/EQUIPMENT (NIC) - COORDINATE WITH OWNER/ARCHITECT TO PROVIDE ALL NECESSARY POWER/DATA TO RECD LOCATIONS.
A3	FOOD SERVICE EQUIPMENT AND CONCESSIONS ACCESSORIES - SEE SHEET FS-1.0 AND MEP SERIES FOR MORE INFORMATION. PROVIDE ALL NECESSARY UTILITIES AS REQ'D.
A4	BUILT IN CASEWORK AND/OR COUNTERTOP - SEE CASEWORK TYPES/DETAILS AND ENLARGED PLANS/INTERIOR ELEVATIONS FOR MORE INFORMATION.
A5	TABLE AND CHAIRS (NIC)
A6	I.T. CABINET
A7	PER IDPH CONFORMANCE, DOOR HARDWARE TO INCLUDE ELECTRONIC CREDENTIAL CONTROLLED ACCESS LOCKSET. ENTRANCE BY GARD, CODE OR KEY OVERRIDE (TYP. ALL POOL MECH. CHEMICAL OR ACID STORAGE AREA DOORS).
A8	PER IDPH CONFORMANCE, POOL MECH. CHEM. & ACID STORAGE, AND TREATMENT AREAS ARE ALL TO BE PROPERLY LIT AND VENTILATED SPACES. SEE 'E' SERIES AND RCP FOR ROOM LIGHTING LAYOUTS AND SEE DOOR TYPES & EXT. ELEVATIONS FOR LOCATIONS OF ROOM DOOR/SLIVERS AND THRESHOLLS ALLOWING NATURAL VENTILATION - ROOMS TO BE MECH. EXHAUSTED PULLING CONSTANT OUTSIDE FRESH AIR.
A9	POOL MECH. PUMP PIT. SEE 'A2' SERIES FOR FULL INFO AND EQUIP. PIT FLOOR FIN. AT 95'-0" WITH SLOPES TO DRAIN AS INDICATED.
A10	POOL BACKWASH PIT - INTERIOR WATERPROOF LINED & ADA COMPLIANT TREAD GRATE LID. SEE 'A2' SERIES FOR FULL INFO AND EQUIP. PIT FLOOR FIN. AT 95'-0" WITH SLOPES TO DRAIN AS INDICATED.
A11	EXTERIOR BLDG. COLUMN - GALV. & PAINTED. SEE 'S' SERIES FOR INFO. SEE SPEC. FOR PAINT TYPE - ARCH. TO SELECT FINAL COLOR.
A12	DOWNSPOUT: TO BE COLLECTED U/GROUND W/ COLLECTOR BOOT BASIS OF DESIGN. PRECAST METAL DOWNSPOUT BOOT. SEE SPECIFICATION MANUAL FOR MORE INFORMATION - SEE 'C' SERIES AND ROOF PLAN & DETAILS FOR INFO.
A13	EXTERIOR GRADE WALL MTD. HI-LOW ADA COMPLIANT DRINKING FOUNTAIN - SEE 'P' SERIES FOR FULL INFO.
A14	GLASS FRONT DISPLAY CASE WITH PLASTIC LAMINATE SHELVES. SEE CASEWORK DETAILS FOR MORE INFORMATION.
A15	1/2" TH. ACRYLIC RESIN PANEL ATTACHED TO METAL BASE. ANCHOR ASSEMBLY TO CASEWORK. BASIS OF DESIGN: 3" FORM CHROMA FIN PARTITION. 96" L X 6" H. FINISH: GHOST (DIP TRANSLUCENT WHITE). SILVER BASE FINISH.
A16	PIPE AND TUBE RAILING, GALV. & PAINTED, WELD POSTS TO EMBEDDED ANGLE.
A17	POOL BACKWASH PIT EMBEDDED LADDER RUNGS. SEE A0 SERIES.
A18	PUMP PIT LADDER SEE DETAIL 4A6.7
A19	RECESSED KNOX BOX - EXACT PRODUCT AND MOUNT (HEIGHT) TO BE COORDINATED W/ O'FALLON FD.
A20	2" EXPANSION JOINT
A21	SITE FENCING/GATES - SEE A0 AND 'C' SERIES FOR MORE INFORMATION.
A22	PROVIDE (3) 3" DIA. GROMMETS IN COUNTERTOP. COLOR: BLACK. COORDINATE ALL FINAL GROMMET LOCATIONS IN FIELD WITH OWNER/ARCHITECT PRIOR TO INSTALLATION.
A23	STAINLESS STEEL METAL COUNTER, SEE SPEC. FOR INFO.

SPECIALTY EQUIPMENT SCHEDULE			
TAG	DESCRIPTION	TAG	DESCRIPTION
FE-1	FIRE EXTINGUISHER & MOUNTING BRACKET	RA-1	RESIDENTIAL APPLIANCE (SEE RA LEGEND)
FEC-1	FIRE EXTINGUISHER CABINET (SEMI-RECESSED)	TB-A-#	TOILET AND BATH ACCESSORY (SEE A4 SERIES DRAWINGS)
AED-1	AED CABINET (SEMI-RECESSED)	FTP-#	FABRIC-WRAPPED TACK PANEL (SEE MATERIAL LEGEND)
LKR-#	LOCKER (SEE LOCKER TYPES)	AWP-#	ACOUSTIC WALL PANEL (SEE MATERIAL LEGEND)
SGN-#	SIGNAGE (SEE SIGNAGE TYPES)		

OWNER PROVIDED EQUIPMENT - N.I.C.	
TAG	DESCRIPTION
RA-1	ELECTRIC DOUBLE WALL OVEN
RA-2	MICROWAVE OVEN
RA-3	COMBO REFRIG / FREEZER
RA-4	WATER LINE
RA-5	DISH WASHER
RA-6	UNDER COUNTER ICE MAKER
RA-6	COFFEE MAKER, WATER LINE

IMPORTANT NOTE:
 FOR ALL PARTITION TYPES, WALL TYPES, ADDITIONAL DIMENSIONS AND DOOR ANNOTATION TAGS SEE ENLARGED FLOOR PLANS, 1/4"=0 AND 1/4"=1.

PLEASE NOTE:
 FOR CLARITY FLOOR SLOPE LINES TO FLOOR DRAINS HAVE NOT BEEN INCLUDED IN OVERALL PLANS. PLEASE SEE SHEET A4.2, 'S' AND 'P' SERIES FOR FLOOR SLAB SLOPES AND FLOOR DRAIN TYPES.

- GENERAL FLOOR PLAN NOTES**
- REFER TO G-SERIES SHEETS FOR TYPICAL ABBREVIATIONS, SYMBOLS & TAGS.
 - REFER TO WALL AND PARTITION TYPES FOR THICKNESS OF WALLS AND PARTITIONS.
 - WALL AND PARTITION DIMENSIONS ARE SHOWN TO FINISHED FACE OF WALL.
 - DIMENSIONS FOR INTERIOR AREAS DRAWN AT A LARGER SCALE ARE SHOWN ON ENLARGED SCALE PLANS. SEE A4 SERIES DRAWINGS.
 - UNLESS OTHERWISE NOTED, WALLS AND PARTITIONS WHICH ARE SHOWN TO BE ON A GRID LINE OR IMMEDIATELY NEXT TO A GRID LINE SHALL BE LOCATED PARALLEL WITH THE GRID LINE WITH THE FACE OF THE WALL 1" AWAY FROM THE LEG OF THE STEEL JOIST. (SEE A4 SERIES).
 - WALLS AND PARTITIONS WHICH ARE NOT INTENDED TO BE LAID OUT ON A RADIUS, ARE SHOWN TO BE PERPENDICULAR OR AT SOME ANGLE TO THE ADJOINING WALLS OR PERPENDICULAR TO A GRID LINE.
 - FOR PARTITION TYPES, SEE A6 SERIES DRAWINGS.
 - FOR TYPICAL COLUMN ENCLOSURE DETAILS. SEE SHEET A6.5.
 - FOR FINISH PLAN, SEE A1 SERIES DRAWINGS.
 - FOR DOOR AND FRAME INFORMATION, SEE A5 SERIES DRAWINGS.
 - FOR WINDOW AND STOREFRONT TYPES, SEE ELEVATIONS ON A5 SERIES DRAWINGS.
 - FOR EXTERIOR ENVELOPE DETAILS, SEE A3 SERIES DRAWINGS.
 - FOR LARGE SCALE PLANS, SEE A4 SERIES DRAWINGS.
 - FOR INTERIOR ELEVATIONS, SEE A4 SERIES DRAWINGS.
 - FOR CEILING INFORMATION, SEE A1 SERIES DRAWINGS.
 - FOR SPECIAL FINISHES, PATTERNS, ETC., SEE A1 SERIES DRAWINGS.
 - FOR TYPICAL ROOM SIGNS AND FIRE EXTINGUISHER CABINET DETAILS, SEE A6 AND A7 SERIES DRAWINGS.
 - FURNITURE AND EQUIPMENT SHOWN DOTTED IS NOT IN CONTRACT AND IS SHOWN FOR COORDINATION PURPOSES.
 - SEE SPECIFICATION SECTION 01100 - "PROJECT SUMMARY" FOR RESPONSIBILITY FOR WORK UNDER OTHER CONTRACTS AND FOR OWNER FURNISHED - CONTRACTOR INSTALLED WORK.

- GENERAL FLOOR PLAN - IDPH COMPLIANCE NOTES**
- BATHER PREPARATION FACILITIES ARE DIVIDED INTO SEPARATE AREAS DESIGNATED FOR EACH SEX AS SHOWN, INCLUDING DESIGNATED SINGLE OR FAMILY USE BATHER ROOMS (INDICATED FOR USE OF COMPLAINT FUTURE COUNTY).
 - ALL FLOORS OF BATHER PREPARATION AREAS & ROOMS SHALL BE ON A GRID LINE OR IMMEDIATELY NEXT TO A GRID LINE. THE FACE OF THE WALL SHALL BE PARALLEL WITH THE FACE OF THE WALL 1" AWAY FROM THE LEG OF THE STEEL JOIST. (SEE A4 SERIES).
 - HOSE BIBBS PROVIDED IN EACH BATHER PREPARATION ROOMSPACE AND IN THE POOL MECH./EQUIPMENT ROOM SPACE. SHALL HAVE A FINAL FLOOR FINISH OF EXPOSED SEALED CONCRETE WITH BROOM FINISH TO BE SLIP-RESISTANT. FLOOR OF THIS AREA SHALL SLOPE TOWARDS DRAINS AS SHOWN.
 - ALL LAVATORIES AND SHOWER ENCLOSURES TO HAVE ADJACENT, WALL-MOUNTED (ADA HEIGHT), LIQUID SOAP DISPENSERS AS SHOWN.
 - POOL MECH./EQUIPMENT ROOM SPACE SHALL HAVE A FINAL FLOOR FINISH OF EXPOSED SEALED CONCRETE WITH BROOM FINISH TO BE SLIP-RESISTANT. FLOOR OF THIS AREA SHALL SLOPE TOWARDS DRAINS AS SHOWN.
 - NOTE DEDICATED STORAGE AREA SPACE IN POOL MECH./EQUIPMENT ROOM FOR THE STORAGE OF ALL RELATED POOL CHEMICALS IN ENCLOSED, LIGHTED AND VENTILATED ROOM. DOORS INTO ALL SPACES ARE PROVIDED WITH LOCKED KEYS TO PREVENT UNAUTHORIZED ACCESS.

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 DATE 02/14/2024

ISSUANCE	
NO.	DATE DESCRIPTION
0	12.22.2023 IDPH SUBMISSION #1
1	02.14.2024 ISSUED FOR BID/ PERMIT
3	02.29.2024 ADDENDUM #2

**O'FALLON COMMUNITY PARK ENHANCEMENTS
 - NEW POOL AND AMPHITHEATER (PHASE 1)**
 O'FALLON PARKS & RECREATION
 411 E. 5TH STREET, O'FALLON, IL 62269
 ISSUED FOR BID/ PERMIT

ANNOTATION FLOOR PLAN
 SHEET NO.
A1.1
 JOB NO. 23-3773.01
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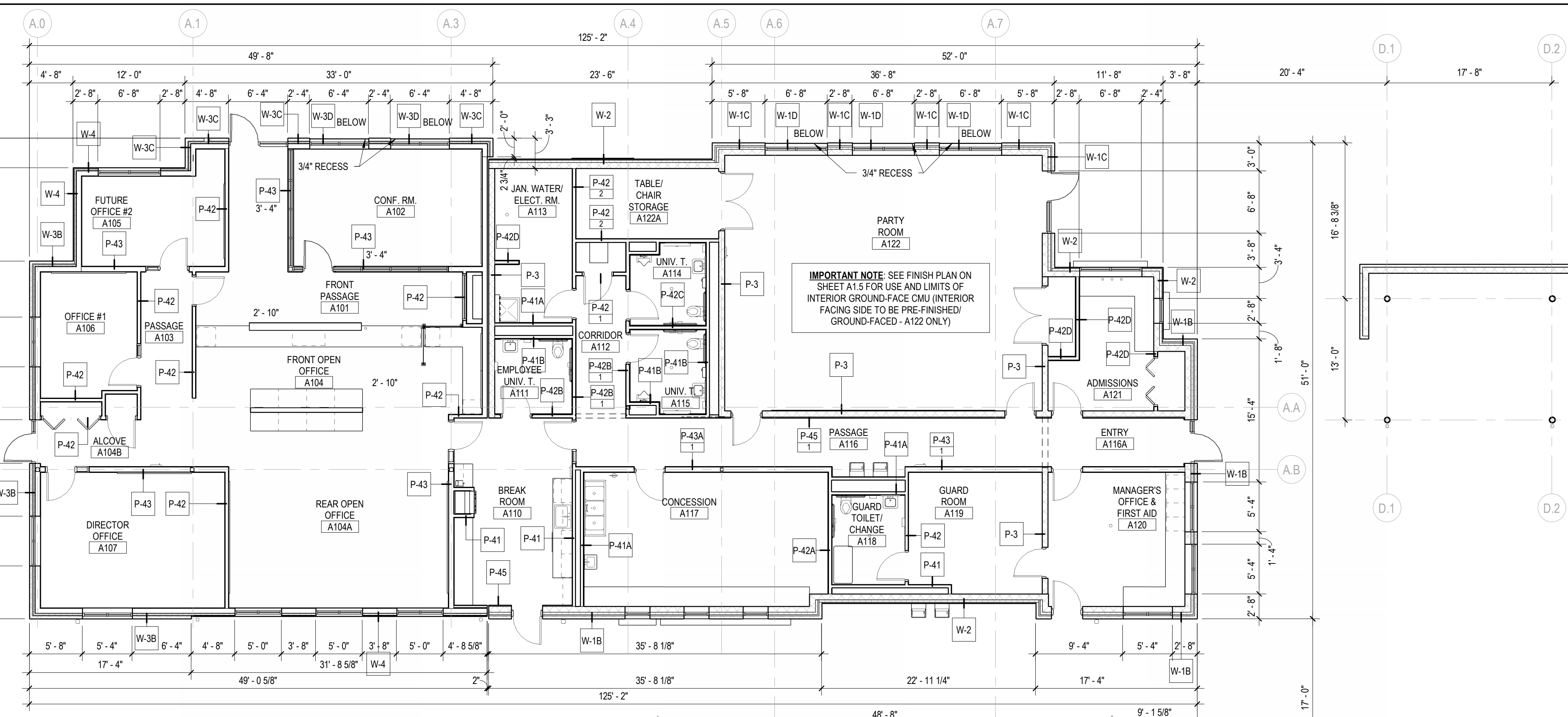


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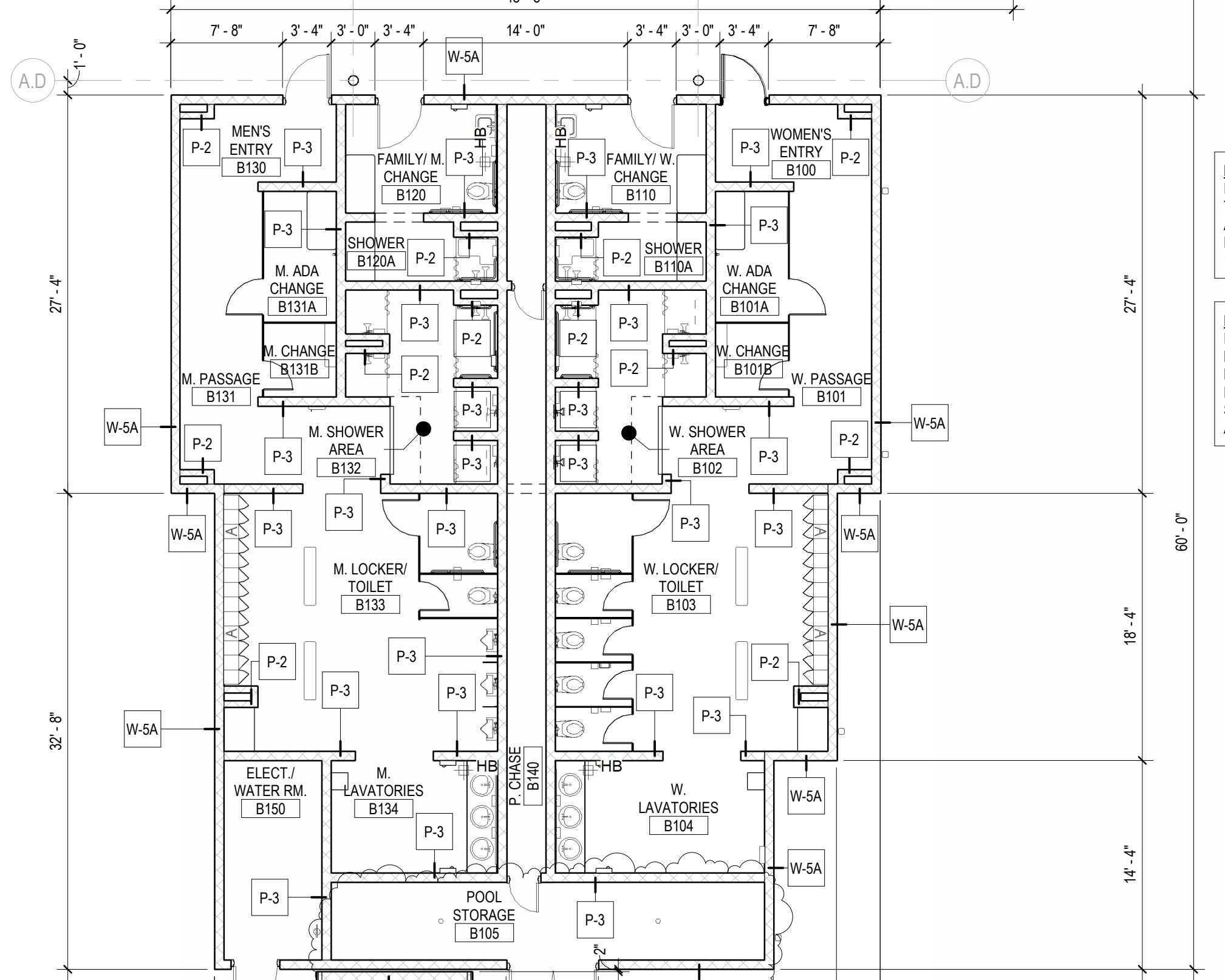
NO	DATE	ISSUANCE DESCRIPTION
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**O'FALLON COMMUNITY PARK ENHANCEMENTS
- NEW POOL AND AMPHITHEATER (PHASE 1)**
O'FALLON PARKS & RECREATION
411 E. 5TH STREET, O'FALLON, IL 62269
ISSUED FOR BID/ PERMIT

DIMENSION FLOOR PLAN
SHEET NO.
A1.2
JOB NO. 23-3773.01
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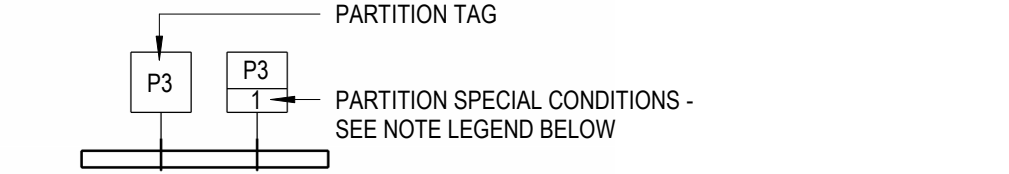


- GENERAL PARTITION NOTES**
- PROVIDE HORIZONTAL JOINT REINFORCING AT ALL MASONRY PARTITIONS. PROVIDE JOINT REINFORCING @ EACH SECOND COURSE AND ONE COURSE BELOW AND ABOVE OPENINGS UNLESS NOTED OTHERWISE. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REINFORCING.
 - FOR WALL FINISHES SEE FINISH PLANS.
 - FOR EXTERIOR WALLS SEE WALL SECTIONS ON A3-SERIES DRAWINGS.
 - ALL PARTITION FRAMING AND FINISH SHALL EXTEND TO FLOOR OR ROOF STRUCTURE ABOVE AND SHALL BE TAPED AND FINISHED, UNLESS NOTED OTHERWISE.
 - PROVIDE 3" SOUND ATTENUATING INSULATION AT ALL STUD WALL PARTITIONS, UNLESS NOTED OTHERWISE.
 - FOR LOCATION AND RATINGS OF FIRE RESISTIVE PARTITIONS, SEE G-SERIES CODE COMPLIANCE PLANS, IN ADDITION TO INFORMATION GIVEN ON INDIVIDUAL PARTITION TYPES.
 - PROVIDE IMPACT RESISTANT GYPSUM BOARD PANELS WHERE SCHEDULED UP TO 6' ABOVE CEILINGS.
 - PROVIDE DOUBLE STUDS AT ALL JAMBS AND EXTEND TO STRUCTURE ABOVE AND TIE TOGETHER.
 - PROVIDE CMU BULLNOSE SHAPE AT ALL EXPOSED CORNERS WHICH ARE NOT COVERED BY ANOTHER MATERIAL OR FINISH.
 - PROVIDE CEMENT BACKING BOARD AT ALL WALL TILE LOCATIONS, UNLESS NOTED OTHERWISE.
 - PROVIDE WATER RESISTANT GYPSUM BOARD PANELS AT WET AREAS.



- IMPORTANT NOTE:**
FOR ALL PARTITION TYPES, WALL TYPES, ADDITIONAL DIMENSIONS AND DOOR ANNOTATION TAGS SEE ENLARGED FLOOR PLANS, 1/4"=1'-0" AND 1/4"=1'-0".
- PLEASE NOTE:**
FOR CLARITY FLOOR SLOPE LINES TO FLOOR DRAINS HAVE NOT BEEN INCLUDED IN OVERALL PLANS. PLEASE SEE SHEET A4.2, 5" AND 7" SERIES FOR FLOOR SLAB SLOPES AND FLOOR DRAIN TYPES.

PARTITION
NOTE: PARTITIONS SHALL EXTEND TO DECK OR STRUCTURE ABOVE UNLESS INDICATED BY SPECIAL CONDITIONS BELOW.



- PROVIDE IMPACT RESISTANT GYPSUM BOARD PANELS ON CORRIDOR SIDE OF WALL WHERE SCHEDULED UP TO 6' ABOVE CEILINGS.
- PROVIDE IMPACT RESISTANT GYPSUM BOARD PANELS IN TABLE AND CHAIR STORAGE ROOM UP TO 6' ABOVE CEILINGS.
- PROVIDE 4" TALL 4" WIDE HOUSE KEEPING CURB UNDER PARTITION. SEE DETAIL 11A.0.

PARTITION SPECIAL CONDITIONS
12" = 1'-0"

- GENERAL FLOOR PLAN NOTES**
- REFER TO G-SERIES SHEETS FOR TYPICAL ABBREVIATIONS, SYMBOLS & TAGS.
 - REFER TO WALL AND PARTITION TYPES FOR THICKNESS OF WALLS AND PARTITIONS.
 - WALL AND PARTITION DIMENSIONS ARE SHOWN TO FINISHED FACE OF WALL. DIMENSIONS FOR INTERIOR AREAS DRAWN AT A LARGER SCALE ARE SHOWN ON ENLARGED SCALE PLANS. SEE A4 SERIES DRAWINGS.
 - UNLESS OTHERWISE NOTED, WALLS AND PARTITIONS WHICH ARE SHOWN TO BE ON A GRID LINE OR IMMEDIATELY NEXT TO A GRID LINE, SHALL BE LOCATED PARALLEL WITH THE GRID LINE WITH THE FACE OF THE WALL 1" AWAY FROM THE LEG OF THE STEEL JOIST. (SEE A-X SERIES)
 - WALLS AND PARTITIONS WHICH ARE NOT INTENDED TO BE LAID OUT ON A RADIIUS, ARE SHOWN TO BE PERPENDICULAR OR AT SOME ANGLE TO THE ADJOINING WALLS OR PERPENDICULAR TO A GRID LINE.
 - FOR PARTITION TYPES, SEE A5 SERIES DRAWINGS.
 - FOR TYPICAL COLUMN ENCLOSURE DETAILS, SEE SHEET A6.5.
 - FOR FINISH PLAN, SEE A1 SERIES DRAWINGS.
 - FOR DOOR AND FRAME INFORMATION, SEE A5 SERIES DRAWINGS.
 - FOR WINDOW AND STOREFRONT TYPES, SEE ELEVATIONS ON A4-SERIES DRAWINGS.
 - FOR EXTERIOR ENVELOPE DETAILS, SEE A3 SERIES DRAWINGS.
 - FOR LARGE SCALE PLANS, SEE A4 SERIES DRAWINGS.
 - FOR INTERIOR ELEVATIONS, SEE A4 SERIES DRAWINGS.
 - FOR CEILING INFORMATION, SEE A1 SERIES DRAWINGS.
 - FOR SPECIAL FINISHES, PATTERNS, ETC., SEE A1 SERIES DRAWINGS.
 - FOR TYPICAL ROOM SIGNS AND FIRE EXTINGUISHER CABINET DETAILS, SEE A6 AND A7 SERIES DRAWINGS.
 - FURNITURE AND EQUIPMENT SHOWN DOTTED IS NOT IN CONTRACT AND IS SHOWN FOR COORDINATION PURPOSES.
 - SEE SPECIFICATION SECTION 011000 - "PROJECT SUMMARY" FOR RESPONSIBILITY FOR WORK UNDER OTHER CONTRACTS AND FOR OWNER FURNISHED - CONTRACTOR INSTALLED WORK.

- GENERAL FLOOR PLAN - IDPH COMPLIANCE NOTES**
- BATHER PREPARATION FACILITIES ARE DIVIDED INTO SEPARATE AREAS DESIGNATED FOR EACH SEX AS SHOWN, INCLUDING DESIGNATED SINGLE OR FAMILY USE BATHER ROOMS (INDICATED FOR USE OF COMPLIANT FIXTURE COUNT).
 - ALL FLOORS OF BATHER PREPARATION AREAS & ROOMS SHALL BE SLIP-RESISTANT, IMPERVIOUS TO MOISTURE AND SLOPED TO DRAIN AT LEAST 1" IN 10 FEET WHERE EXPOSED SEALED CONCRETE IS UTILIZED AS FINAL FLOORING. PROVIDE BROOM FINISH WITH SLIP-RESISTANT FINAL TEXTURE.
 - HOSE BIBBS PROVIDED IN EACH BATHER PREPARATION ROOMSPACE AND IN THE POOL MECH/ EQUIPMENT ROOM SPACE. SEE "P" SERIES FOR FULL INFO.
 - DRESSING ROOM SPACES (ONE MN.) ARE INCLUDED IN EACH SEX BATHER PREPARATION ROOM AS SHOWN.
 - ALL LAVATORIES AND SHOWER ENCLOSURES TO HAVE ADJACENT, WALL-MOUNTED (ADA HEIGHT), LIQUID SOAP DISPENSERS AS SHOWN.
 - POOL MECH/ EQUIPMENT ROOM SPACE SHALL HAVE A FINAL FLOOR FINISH OF EXPOSED SEALED CONCRETE WITH BROOM FINISH TO BE SLIP-RESISTANT. FLOOR OF THIS AREA SHALL SLOPE TOWARDS DRAINS AS SHOWN.
 - NOTE DEDICATED STORAGE AREA SPACE IN POOL MECH/ EQUIPMENT ROOM FOR THE STORAGE OF ALL RELATED POOL CHEMICALS (IN ENCLOSED, LIGHTED AND VENTILATED ROOM). DOORS INTO ALL SPACES ARE PROVIDED WITH LOCKED KEYSETS TO PREVENT UNAUTHORIZED ACCESS.

WALL TYPES LEGEND

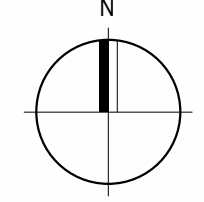
- W-1X** 7.5" CONCRETE MASONRY UNIT (INTERIOR FINISH VARIES SEE INTERIOR ELEVATIONS FOR FINISH TYPES)
FLUID APPLIED AIR/VAPOR BARRIER (CAVITY WALL SIDE)
3" Z-GIRT INFILLED W/ 3" RIGID INSULATION
1.34" AIR SPACE (1" AIRSPACE @ W-1D 3/4" RECESS)
3.5" CAST STONE/MASONRY VENEER (VENEER VARIES SEE EXTERIOR BUILDING ELEVATION FOR FINISH TYPES)
- W-2** 7.5" CONCRETE MASONRY UNIT (INTERIOR FINISH VARIES SEE INTERIOR ELEVATIONS FOR FINISH TYPES)
FLUID APPLIED AIR/VAPOR BARRIER (CAVITY WALL SIDE)
3" Z-GIRT INFILLED W/ 3" RIGID INSULATION
7/8" HAT SHAPED RIGID FURRING
3/4" ALUMINUM WOODLOOK SIDING (SEE SPECIFICATIONS)
- W-3X** 5/8" GYPSUM BOARD (SEE INTERIOR ELEVATIONS FOR FINISH TYPES)
6" STUD (FILL STUD CAVITY WITH MINERAL WOOL INSULATION)
5/8" GLASS-MAT WALL SHEATHING
FLUID APPLIED AIR/VAPOR BARRIER (CAVITY WALL SIDE)
2" RIGID INSULATION
1.18" AIR SPACE
3.5" CAST STONE/MASONRY VENEER (2" THICKNESS @ W-3D 3/4" RECESS)
(VENEER VARIES SEE EXTERIOR BUILDING ELEVATION FOR FINISH TYPES)
- W-4** 5/8" GYPSUM BOARD (SEE INTERIOR ELEVATIONS FOR FINISH TYPES)
6" STUD (FILL STUD CAVITY WITH MINERAL WOOL INSULATION)
5/8" GLASS-MAT WALL SHEATHING
FLUID APPLIED AIR/VAPOR BARRIER (CAVITY WALL SIDE)
2" RIGID INSULATION
7/8" HAT SHAPED RIGID FURRING
3/4" ALUMINUM WOODLOOK SIDING (SEE SPECIFICATIONS)
- W-5X** 7.5" CONCRETE MASONRY UNIT (GROUND FACE FINISH ON EXTERIOR SIDE)
SEE EXTERIOR BUILDING ELEVATIONS AND INTERIOR ELEVATIONS FOR FINISH TYPE
- W-6** 7.5" CONCRETE MASONRY UNIT
3/4" AIR SPACE
3.5" CAST STONE/MASONRY VENEER (SEE BUILDING ELEVATIONS FOR FINISH TYPE)
- W-7** 7.5" CONCRETE MASONRY UNIT
3" POLYMER-BASED EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)
(SEE SPECS BUILDING ELEVATIONS FOR FINISH TYPE)
- W-8** 5/8" GYPSUM BOARD (SEE INTERIOR ELEVATIONS FOR FINISH TYPES)
6" STUD (FILL STUD CAVITY WITH MINERAL WOOL INSULATION)
5/8" GLASS-MAT WALL SHEATHING
FLUID APPLIED AIR/VAPOR BARRIER (CAVITY WALL SIDE)
3" POLYMER-BASED EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)
(SEE SPECS BUILDING ELEVATIONS FOR FINISH TYPE)

PARTITION TYPES LEGEND

- P-2** 5.5" CONCRETE MASONRY UNIT (FINISH VARIES SEE INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULE FOR FINISH TYPES)
- P-3** 7.5" CONCRETE MASONRY UNIT (FINISH VARIES SEE INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULE FOR FINISH TYPES)
- P-41** 6" STUD
5/8" GYPSUM WALL BOARD @ 5/8" TILE BACKER AT TILE LOCATIONS (SEE INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULE FOR FINISH REQ'S)
- P-42** 5/8" GYPSUM WALL BOARD @ 5/8" TILE BACKER AT TILE LOCATIONS
3.5" STUD
5/8" GYPSUM WALL BOARD @ 5/8" TILE BACKER AT TILE LOCATIONS (SEE INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULE FOR FINISH REQ'S)
- P-43** 5/8" GYPSUM WALL BOARD @ 5/8" TILE BACKER AT TILE LOCATIONS
6" STUD
5/8" GYPSUM WALL BOARD @ 5/8" TILE BACKER AT TILE LOCATIONS (SEE INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULE FOR FINISH REQ'S)
- P-45** 7/8" FURRING HAT CHANNEL
5/8" GYPSUM WALL BOARD @ 5/8" TILE BACKER AT TILE LOCATIONS (SEE INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULE FOR FINISH REQ'S)

* FINISH VARIES SEE BUILDING ELEVATIONS
A - TRENDSSTONE ALMOND BARK (GROUNDFACE)
B - TRENDSSTONE COUNTY GRAY (GROUNDFACE)
C - CAST STONE 'SS' WHITE
D - CAST STONE 'SLATE'

1 DIMENSION FLOOR PLAN
1/8" = 1'-0"



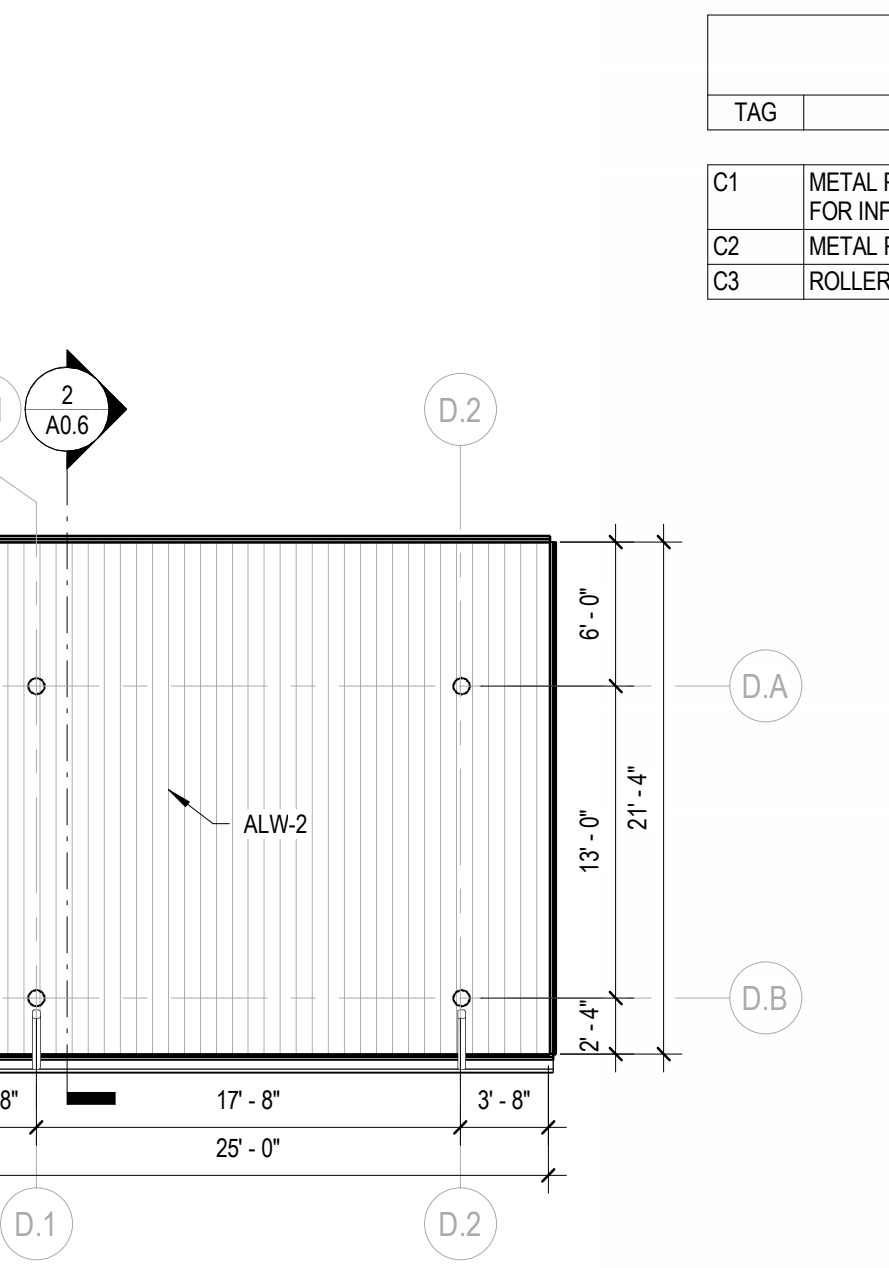
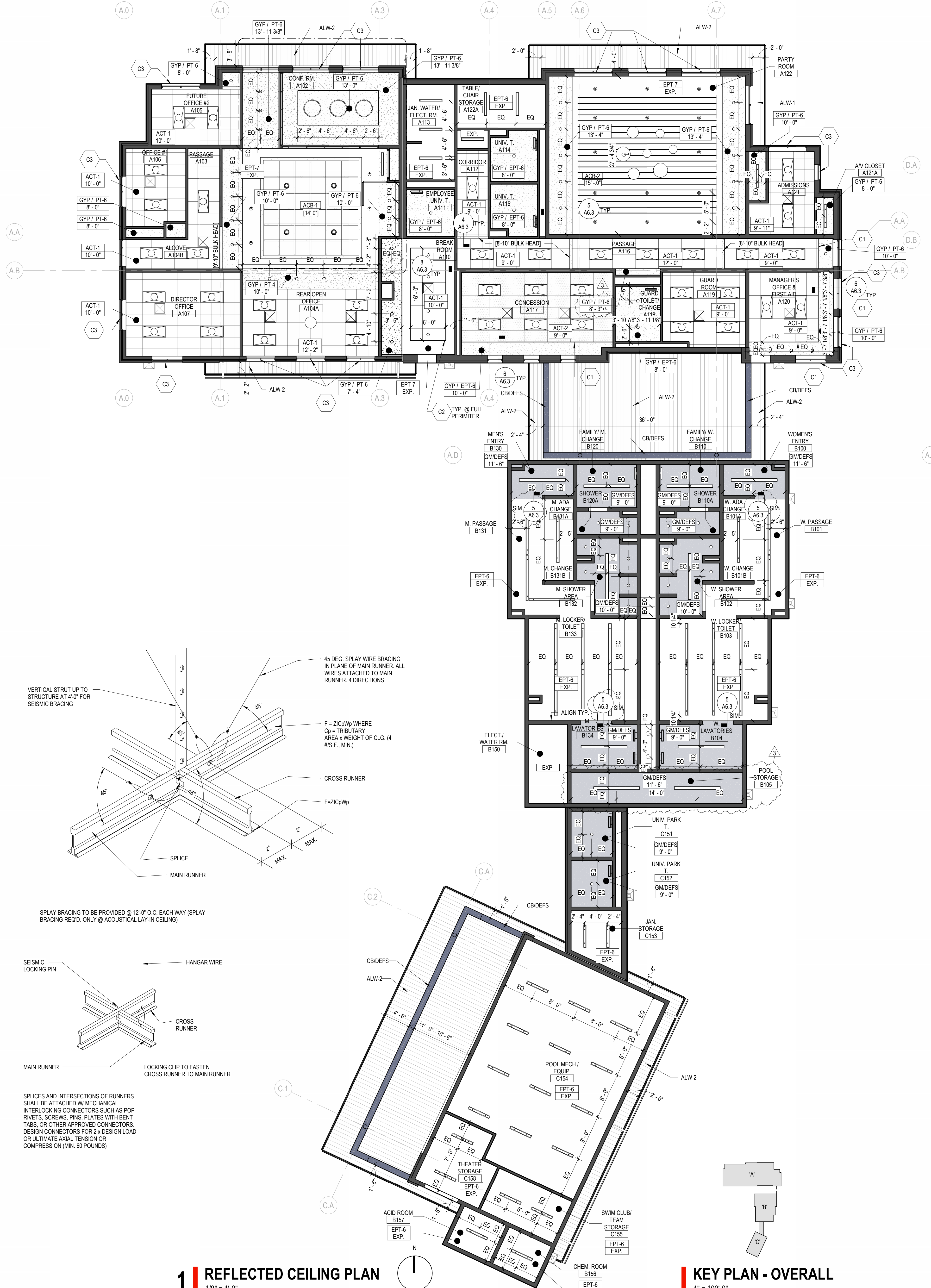
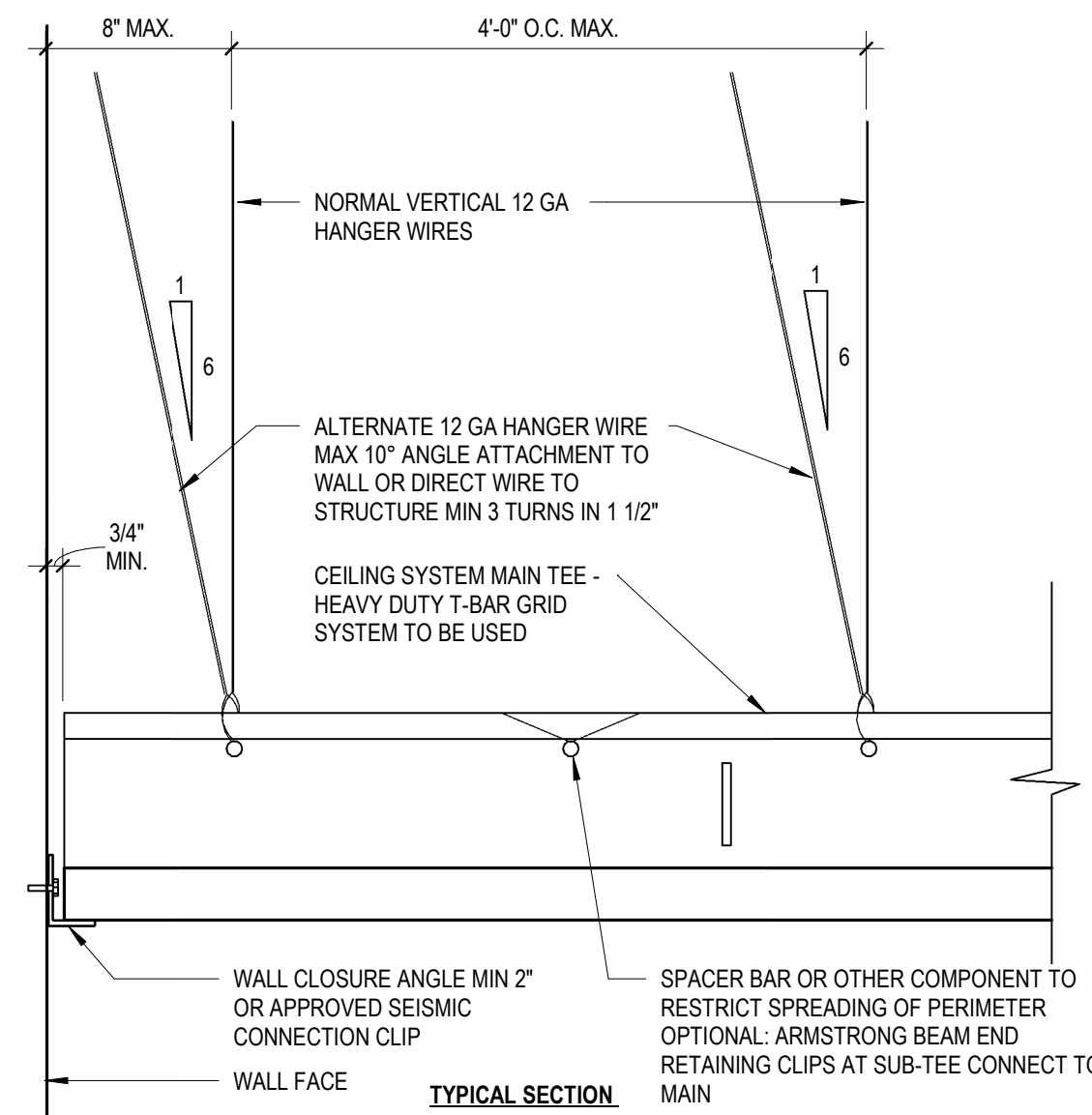
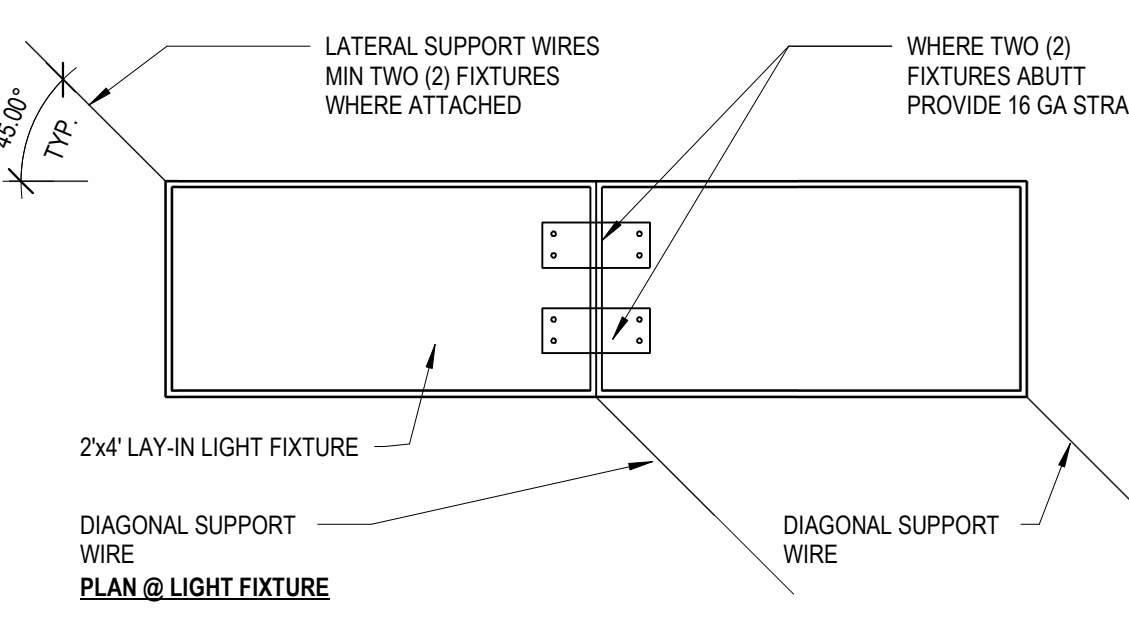
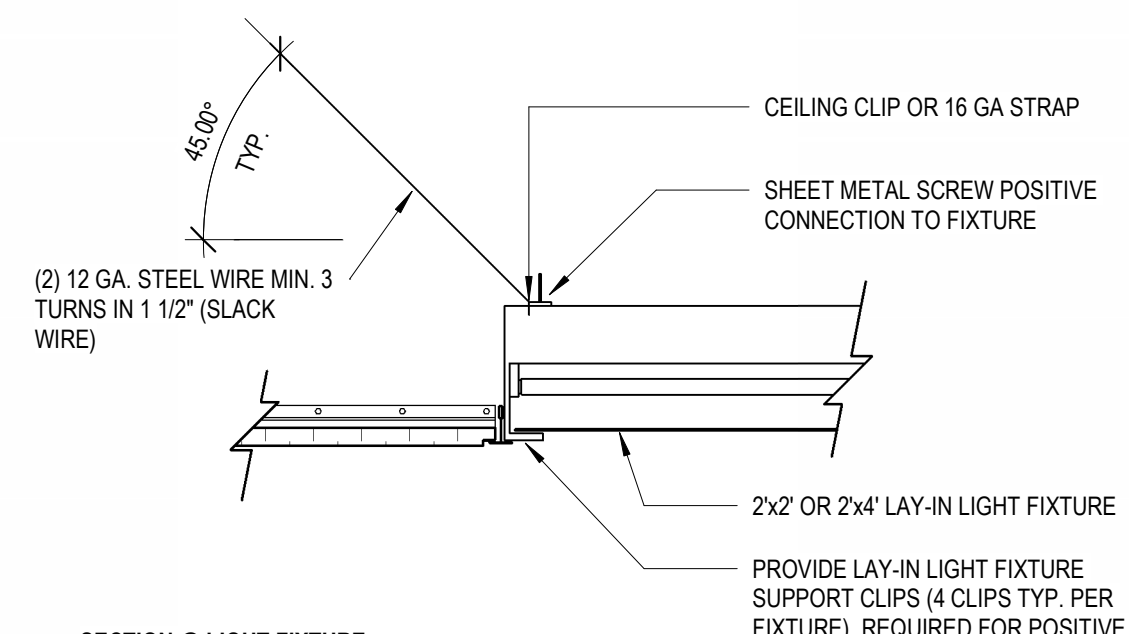
KEY PLAN - OVERALL
1" = 100'-0"

GENERAL REFLECTED CEILING PLAN NOTES

- FOR FLOOR PLAN DIMENSIONS, SEE FLOOR PLANS.
- REFER TO G SERIES SHEETS FOR TYPICAL ABBREVIATIONS, SYMBOLS & TAGS.
- REFLECTED CEILING PLANS AND MEP DRAWINGS ARE COMPLEMENTARY. GENERALLY SEE REFLECTED CEILING PLAN FOR LOCATION AND ARRANGEMENT OF FIXTURES AND DEVICES. SEE MEP DRAWINGS FOR MEP REQUIREMENTS. PROVIDE COORDINATED DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION.
- CONTRACTOR IS TO LOCATE MECHANICAL ITEMS AROUND LIGHTING LAYOUT AND IN THE APPROXIMATE LOCATION OF THE MECHANICAL DRAWINGS.
- DO NOT ATTACH CEILING HANGERS TO ROOF DECKS. ATTACH CEILING HANGERS TO STRUCTURAL BEAMS AND JOISTS ONLY. ATTACH CEILING HANGERS TO FLOOR DECKS USING SPECIFIED INSERTS ONLY.
- SUPPORT CONDUIT, BOXES AND OTHER EQUIPMENT WITH UNISTRUT HANGERS ATTACHED TO STRUCTURAL ELEMENTS.
- START POINT FOR CEILING GRIDS TO BE CENTER OF ROOM UNLESS NOTED BY A START POINT.
- PROVIDE NON-SAG TYPE GYPSUM BOARD PANELS AT CEILING OF ALL VET AREAS SUCH AS TOILET ROOMS AND LOCKER ROOMS, UNLESS NOTED OTHERWISE.
- REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING SOFFIT HEIGHTS AND LOCATIONS.
- COORDINATE LOCATION OF EXIT SIGNS WITH ELECTRICAL DRAWINGS.
- ROUTE ALL CONDUITS ON EXPOSED CEILING SQUARE TO BUILDING WALLS AND GROUP TOGETHER.
- ALL PARTITION AND SOFFIT FRAMING SHALL EXTEND TO UNDERSIDE OF STRUCTURE, UNLESS NOTED OTHERWISE.
- PROVIDE RADIUS FITTED CEILING TRACK ACCESSORY AT ALL BULBNOSED WALL CORNERS.

SEISMIC BRACING GENERAL NOTES:

- CEILING SYSTEM TO BE A HEAVY DUTY T-BAR SYSTEM.
- IN EACH ORTHOGONAL HORIZONTAL DIRECTION, ONE END OF THE CEILING GRID SHALL BE ATTACHED TO THE CLOSURE ANGLE. THE OTHER END IN EACH HORIZONTAL DIRECTION SHALL HAVE 3/4" CLEARANCE FROM THE WALL AND SHALL REST UPON AND BE FREE TO SLIDE ON THE 2" CLOSURE ANGLE. THE MAIN AND CROSS RUNNERS SHALL BE TIED TOGETHER TO PREVENT TWISTING.
- PROVIDE ADDITIONAL VERTICAL SUPPORT WIRES AT THE FOLLOWING LOCATIONS:
A) 4' ON CENTER SPACING ALONG MAIN RUNNER.
B) LIGHT FIXTURES MUST BE POSITIVELY ATTACHED TO THE CEILING GRID WITH AN ATTACHMENT CAPABLE OF CARRYING 100% OF THE WEIGHT OF THE LIGHT FIXTURE. LIGHT FIXTURES WEIGHING UP TO 56 POUNDS REQUIRE TWO VERTICAL SUPPORT WIRES. THESE WIRES MAY BE SLACK. LIGHT FIXTURES WEIGHING MORE THAN 56 POUNDS SHALL REQUIRE INDEPENDENT SUPPORT FROM THE SHELL BUILDING STRUCTURE ABOVE THE CEILING.
C) MECHANICAL AIR TERMINALS WEIGHING LESS THAN 20 POUNDS SHALL BE POSITIVELY ATTACHED TO THE CEILING GRID. AIR TERMINALS WEIGHING 20 POUNDS BUT NOT MORE THAN 56 POUNDS SHALL BE SECURED TO THE SHELL BUILDING STRUCTURE ABOVE THE CEILING IN ADDITION TO ATTACHING THE AIR TERMINAL TO THE CEILING GRID. THESE TWO NO. 12 GA WIRES MAY BE SLACK. AIR TERMINALS WEIGHING MORE THAN 56 POUNDS SHALL REQUIRE INDEPENDENT SUPPORT FROM THE SHELL BUILDING STRUCTURE ABOVE THE CEILING.
- SPRINKLER HEADS AND OTHER PENETRATIONS OF THE SUSPENDED CEILING SHALL HAVE A 2" FERRISSE RING, SLEEVE, OR ADAPTOR TO ALLOW 1" HORIZONTAL MOVEMENT IN ALL DIRECTIONS.
- SUSPENDED CEILING EXCEEDING 1,000 SQ. FT. IN AREA REQUIRE FOUR NO. 12 GAUGE SPLAY WIRES AND A RIGID VERTICAL COMPRESSION STRUT EVERY 4 FEET ON CENTER STARTING A MAXIMUM OF 4 FEET FROM EACH WALL. THE SPLAY WIRES SHALL BE SECURED TO THE MAIN RUNNER WITHIN 2 INCHES OF THE CROSS RUNNER INTERSECTION AND SPLAYED 90 DEGREES FROM EACH OTHER AT AN ANGLE NOT EXCEEDING 45 DEGREES FROM THE PLANE OF THE CEILING.
- ALL WALL PARTITIONS GREATER THAN 6 FEET IN HEIGHT SHALL BE INDEPENDENTLY BRACED TO THE BUILDING SHELL STRUCTURE. WALL PARTITIONS MAY NOT BE SUPPORTED BY THE BRACED SUSPENDED CEILING ALONE.



CEILING PLAN KEYED NOTES	
TAG	DESCRIPTION
C1	METAL PERIMETER TRIM - TRANSITION TYPE, CLG. ELEVATION CHANGE (SEE SPEC FOR INFO)
C2	METAL PERIMETER TRIM - PERIMETER EDGE TYPE (SEE SPEC FOR INFO)
C3	ROLLER SHADE LOCATION (SEE SPEC FOR INFORMATION)

CEILING TAG LEGEND

- CEILING TYPE - SEE LEGEND BELOW
- APPLIED FINISH (WHERE APPLICABLE)
- CEILING HEIGHT AFF
- APPLIED FINISH TO EXPOSED STRUCTURE, CONDUITS, DUCTWORK, PIPING, ETC.
- EXPOSED CEILING
- EXPOSED CEILING FOR TAGS WITH NO FINISH INDICATED. REFER TO GENERAL RCP NOTES FOR TYPICAL APPLIED FINISH TO STRUCTURE, CONDUITS, DUCTWORK, PIPING, ETC.

CEILING TYPES LEGEND

- INDICATES TYPE PER TAG OR RCP
- GB SUSPENDED GYPSUM BOARD CEILING: 1/2" GYPSUM BOARD ON 7/8" MTL. FURRING AT 24" O.C. ON 1 1/2" CHANNELS W/ HANGERS AT 4'-0" O.C. MAX UNO. SEE DETAILS.
- GMDEF (INTERIOR) SKIM COAT FINISH CEILING: 1/2" GLAS-MAT SHEATHING WITH SKIM COAT FINISH ON 7/8" MTL. FURRING AT 24" O.C. ON 1 1/2" CHANNELS W/ HANGERS AT 4'-0" O.C. MAX UNO. SEE DETAILS.
- CBDEF (EXTERIOR) SKIM COAT FINISH CEILING: 1/2" CONCRETE BOARD WITH SKIM COAT FINISH ON COLD FORMED METAL FRAMEWORK SEE WALL SECTION DETAILS.

BASIS OF DESIGN FOR ACOUSTIC CEILING BAFFLES

- REF: MATL. LEGEND FOR MORE INFO.)
- ACB-1 SOELBERG - GRIGLIA/AMBER ASH
- ACB-2 SOELBERG - GESTO BAFFLES / BLUEBERRY

CEILING FIXTURES LEGEND

- 2x4 FIXTURE
- RECESSED LINEAR FIXTURE
- SUSPENDED LINEAR FIXTURE
- RECESSED DIRECTIONAL CAN LIGHT
- PENDANT-HUNG CAN LIGHT FIXTURE
- PENDANT-HUNG FIXTURE
- WALL MOUNTED VANITY FIXTURE (CENTER OVER MIRROR)
- AIR DIFFUSER
- RETURN AIR GRILLE
- ALW-2 ALUMINUM WOODLOOK SOFFIT PANELS 8" WIDE. PROVIDE ALL NECESSARY TRIM, FURRING CLIP SYSTEM, AND BLOCKING REQUIRED - SEE SPECIFICATIONS FOR MORE INFORMATION.
- EXP. EXPOSED CEILING. PAINT ALL EXPOSED STRUCTURE, CONDUITS, DUCTWORK, PIPING, ETC. U.N.O.

2 | CEILING SEISMIC BRACING DETAILS
1 1/2" = 1'-0"

1 | REFLECTED CEILING PLAN
1/8" = 1'-0"

KEY PLAN - OVERALL
1" = 100'-0"



FGM Architects Inc.
475 Regency Park, Suite 325
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618.624.3364 OFFICE
618.624.3369 FAX
ILLINOIS PROFESSIONAL DESIGN
FIRM #184-000350

CIVIL
MILLENNIA PROFESSIONAL SERVICES
12 DEWEY DRIVE, SUITE 102
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618.840.8000 (TEL) 618.840.8121 (FX)
ILL. STATE CERTIFICATE OF AUTHORITY
NO. 158-0480370-00

LANDSCAPE
PLANNING DESIGN STUDIO
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314.241.3600 (O) 314.241.3603 (F)

STRUCTURAL
KREHER ENGINEERING, INC.
2000 W. BROAD STREET
COLUMBIA, ILLINOIS 62202
618.282.8000 (O) 618.282.8555 (F)
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M.E.P.
SSC ENGINEERING, INC.
12077 TOWNHARBOR DRIVE
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1326 S. MANCHESTER ROAD, SUITE 120
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1	02.14.2024	ISSUED FOR BID/ PERMIT
3	02.29.2024	ADDENDUM #2

**O'FALLON COMMUNITY PARK ENHANCEMENTS
- NEW POOL AND AMPHITHEATER (PHASE 1)**
O'FALLON PARKS & RECREATION
411 E. 5TH STREET, O'FALLON, IL 62269
ISSUED FOR BID/ PERMIT

REFLECTED CEILING PLAN

SHEET NO. **A1.4**

JOB NO. 23-3773.01
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KEVIN W. MEYER - ARCHITECT ILL. #A-202000289 1807 E. HIGHWAY 100 SUITE 120 CHESTERFIELD, MISSOURI 63005 636.352.7700 (O) 636.358.8777 (F) ILLINOIS CERTIFICATE OF AUTHORITY NO. 184-00470-0006 DATE 02/14/2024

Table with columns: NO, DATE, DESCRIPTION. Row 0: 12.22.2023 IDPH SUBMISSION #1. Row 1: 02.14.2024 ISSUED FOR BID/ PERMIT. Row 3: 02.29.2024 ADDENDUM #2.

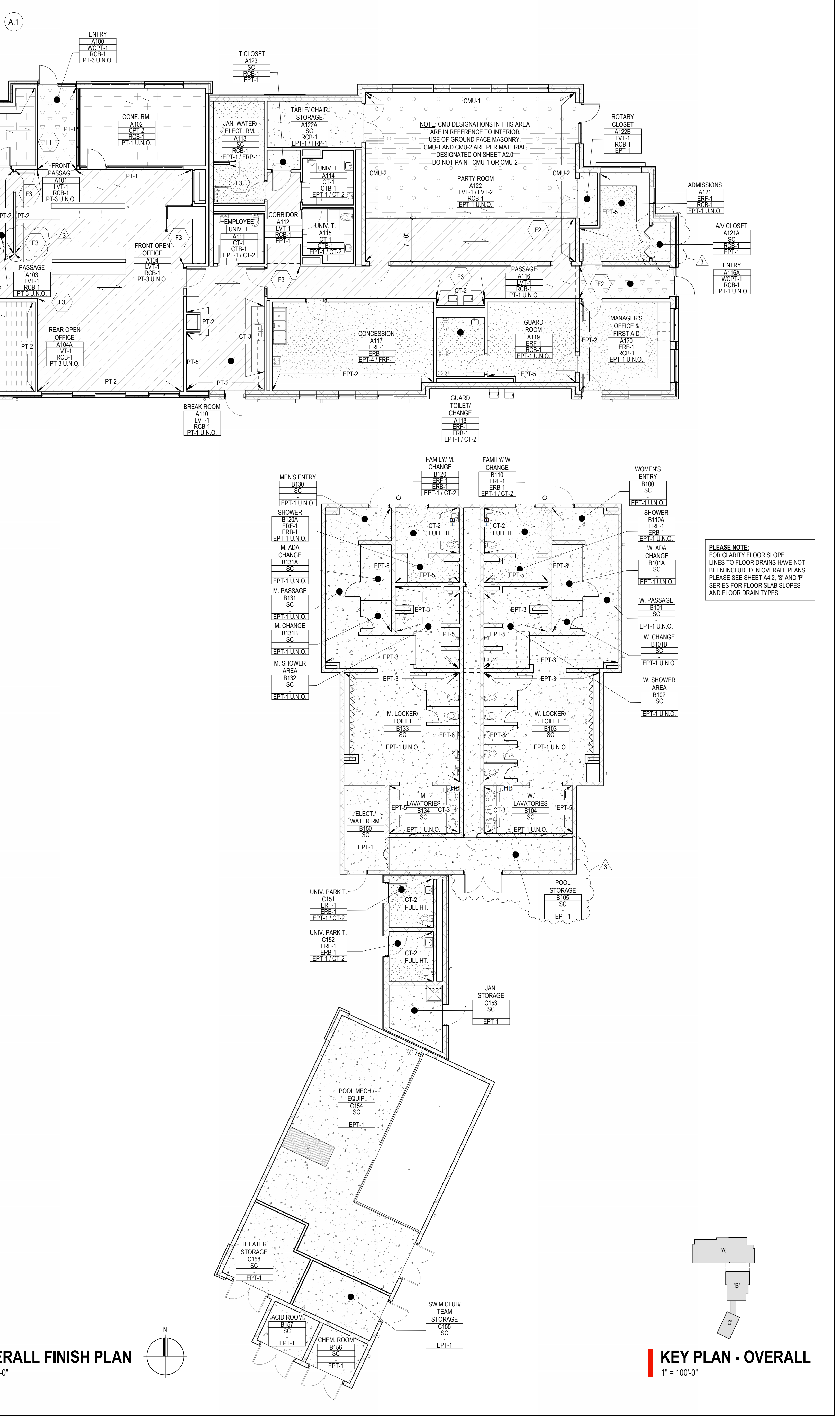
O'FALLON COMMUNITY PARK ENHANCEMENTS - NEW POOL AND AMPHITHEATER (PHASE 1) O'FALLON PARKS & RECREATION 411 E. 5TH STREET, O'FALLON, IL 62269 ISSUED FOR BID/ PERMIT

PAINTS table with columns: ACT-1, ACT-2, ACB-1, ACB-2, AWP-1, AWP-2, ARP-1, CB-1, CPT-1, CPT-2, CPT-3. Includes manufacturer, product, color, size, and install method details.

CERAMIC OR PORCELAIN TILE table with columns: CT-1, CT-2, CT-3, CTB-1, CTB-2, FRP-1, FRP-2, CB-1, CPT-1, CPT-2, CPT-3. Includes manufacturer, pattern, color, size, and install method details.

PLASTIC LAMINATE table with columns: PL-1, PL-2, RCB-1, RCB-2, RCB-3, RSB-1, RSB-2, SC-1, SSF-1, SSF-2, WD-1, WCPT-1, WF-1. Includes manufacturer, pattern, color, size, and remarks.

GENERAL ROOM FINISH NOTES table with columns: FINISH PLAN KEYED NOTES, FINISH FLOOR TYPES LEGEND, ROOM FINISH TAG LEGEND. Includes numbered notes and material legends.



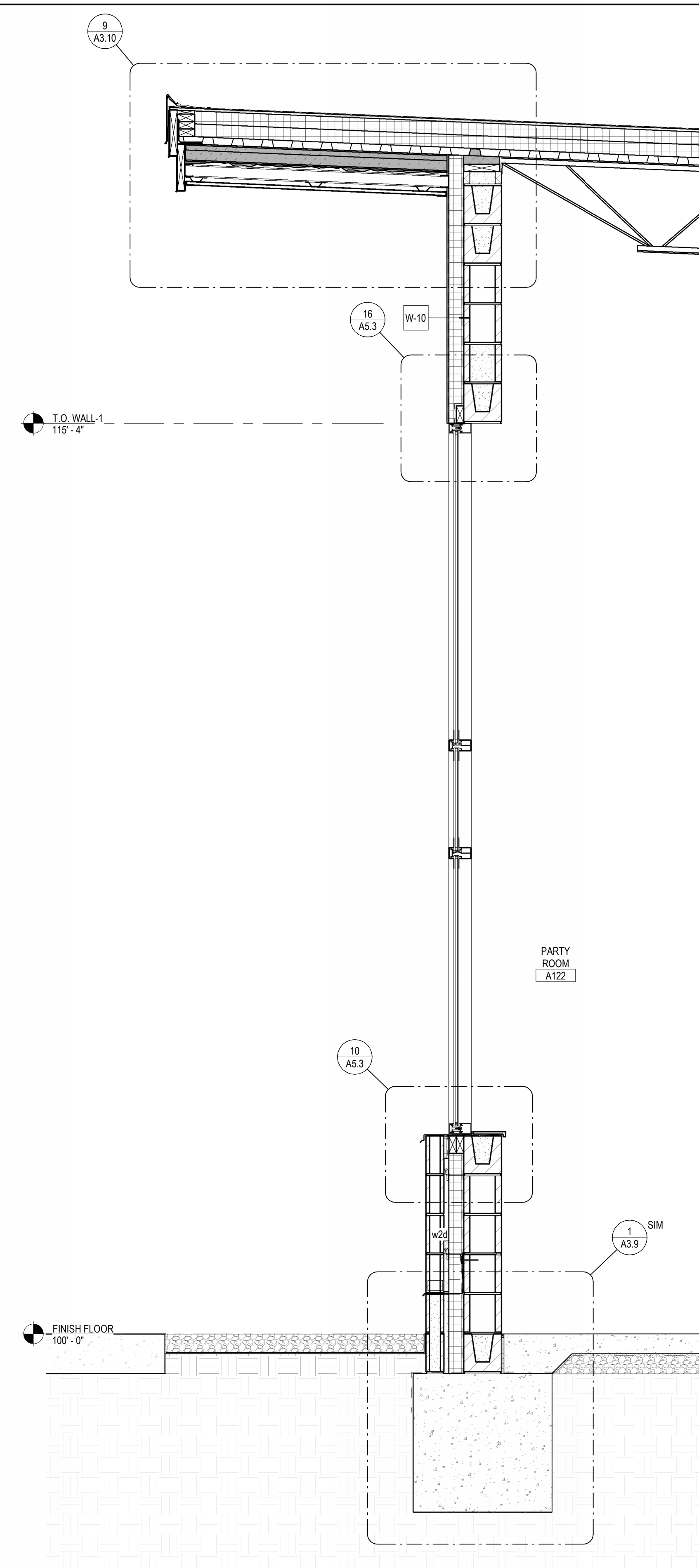


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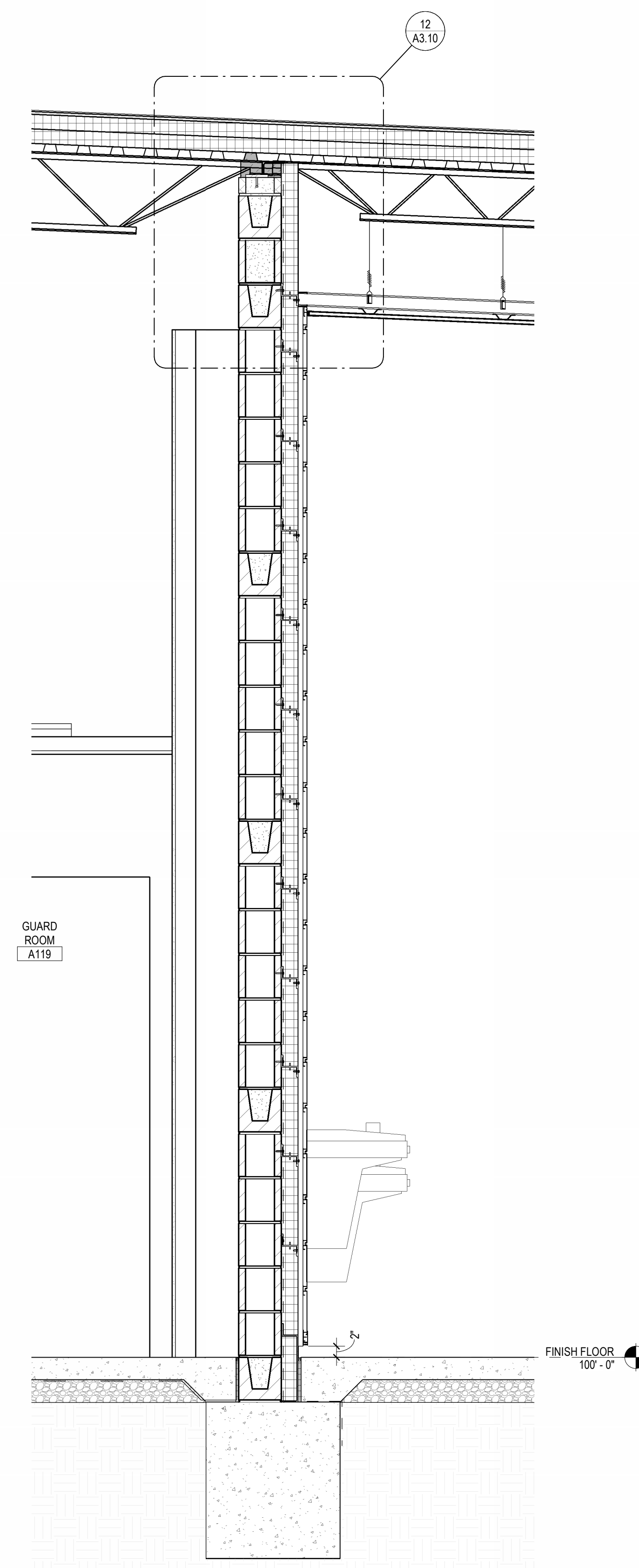
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NO	DESCRIPTION
0	12.22.2023 IDPH SUBMISSION #1
1	02.14.2024 ISSUED FOR BID/ PERMIT
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- NEW POOL AND AMPHITHEATER (PHASE 1)**
O'FALLON PARKS & RECREATION
411 E. 5TH STREET, O'FALLON, IL 62269
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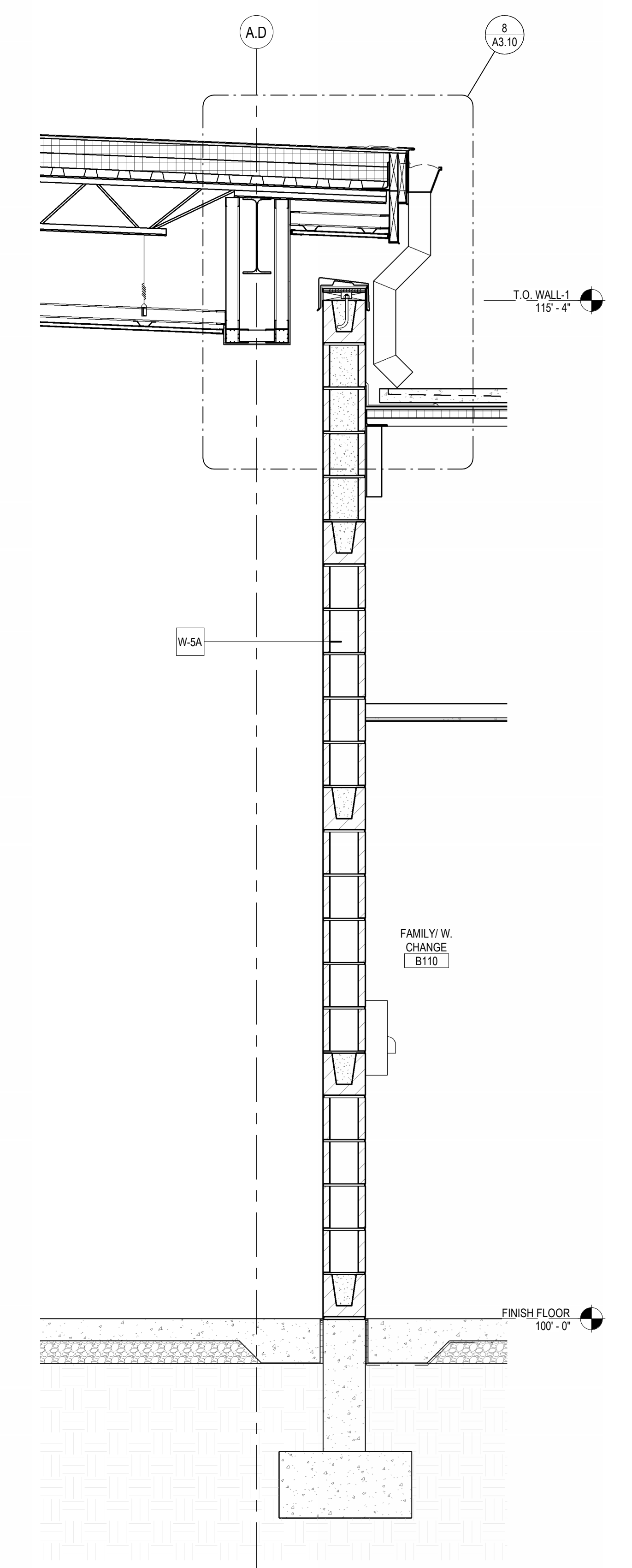
WALL SECTIONS
SHEET NO.
A3.6
JOB NO. 23-3773.01
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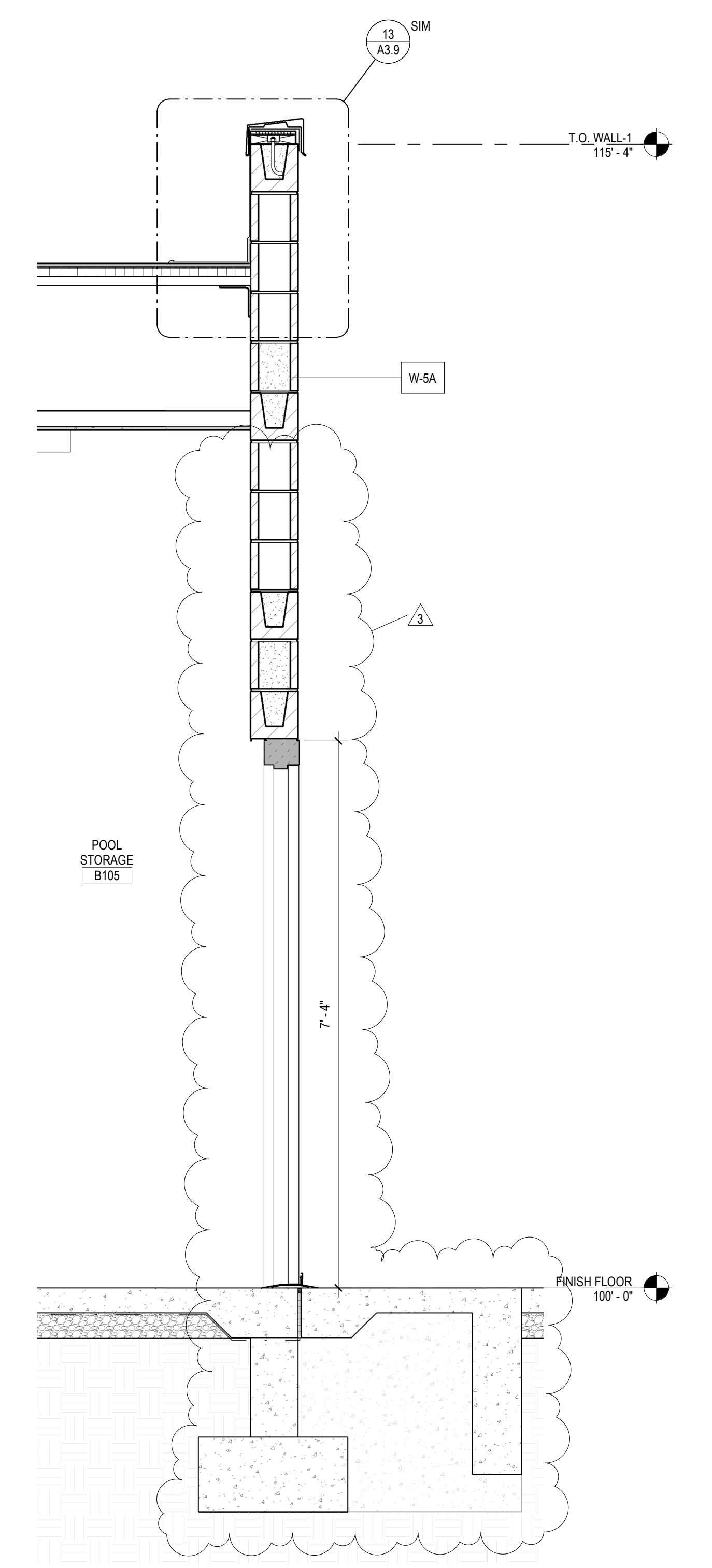
1 | WALL SECTION
3/4" = 1'-0"



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



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



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

WALL TYPES LEGEND

<p>W-1X</p> <p>TOTAL WALL THICKNESS: 1'-4"</p> <p>W-1A,B,C: 1'-4"</p> <p>W-1D: 1'-3 3/4"</p> <p>7.5" CONCRETE MASONRY UNIT (INTERIOR FINISH VARIES SEE INTERIOR ELEVATIONS FOR FINISH TYPES) FLUID APPLIED AIR/VAPOR BARRIER (CAVITY WALL SIDE) 3" Z-GRT INFILLED W/ 3" RIGID INSULATION 1 3/4" AIR SPACE 1" AIRSPACE @ W-1D 3/4" REVEAL 3.5" CAST STONE/MASONRY VENEER (VENEER VARIES SEE EXTERIOR BUILDING ELEVATION FOR FINISH TYPES)</p>	<p>W-4</p> <p>TOTAL WALL THICKNESS: 10 7/8"</p> <p>5/8" GYPSUM BOARD (SEE INTERIOR ELEVATIONS FOR FINISH TYPES) 6" STUD (FILL STUD CAVITY WITH MINERAL WOOL INSULATION) 5/8" GLASS-MAT WALL SHEATHING FLUID APPLIED AIR/VAPOR BARRIER (CAVITY WALL SIDE) 2" RIGID INSULATION 7/8" HAT SHAPED RIGID FURRING 3/4" ALUMINUM WOODLOOK SIDING (SEE SPECIFICATIONS)</p>
<p>W-2</p> <p>TOTAL WALL THICKNESS: 1'-0 1/4"</p> <p>7.5" CONCRETE MASONRY UNIT (INTERIOR FINISH VARIES SEE INTERIOR ELEVATIONS FOR FINISH TYPES) FLUID APPLIED AIR/VAPOR BARRIER (CAVITY WALL SIDE) 3" Z-GRT INFILLED W/ 3" RIGID INSULATION 7/8" HAT SHAPED RIGID FURRING 3/4" ALUMINUM WOODLOOK SIDING (SEE SPECIFICATIONS)</p>	<p>W-5X</p> <p>TOTAL WALL THICKNESS: 7 5/8"</p> <p>7.5" CONCRETE MASONRY UNIT (GROUND FACE FINISH ON EXTERIOR SIDE) SEE EXTERIOR BUILDING ELEVATIONS AND INTERIOR ELEVATIONS FOR FINISH TYPE</p>
<p>W-3X</p> <p>TOTAL WALL THICKNESS: W-3A,B,C: 1'-2"</p> <p>5/8" GYPSUM BOARD (SEE INTERIOR ELEVATIONS FOR FINISH TYPES) 6" STUD (FILL STUD CAVITY WITH MINERAL WOOL INSULATION) 5/8" GLASS-MAT WALL SHEATHING FLUID APPLIED AIR/VAPOR BARRIER (CAVITY WALL SIDE) 2" RIGID INSULATION 1 1/8" AIR SPACE 3.5" CAST STONE/MASONRY VENEER (VENEER VARIES SEE EXTERIOR BUILDING ELEVATION FOR FINISH TYPES)</p>	<p>W-6</p> <p>TOTAL WALL THICKNESS: 1'-0"</p> <p>7.5" CONCRETE MASONRY UNIT 3/4" AIR SPACE 3.5" CAST STONE/MASONRY VENEER (SEE BUILDING ELEVATIONS FOR FINISH TYPE)</p>
<p>W-3D</p> <p>TOTAL WALL THICKNESS: W-3D: 1'-1 1/4"</p> <p>5/8" GYPSUM BOARD (SEE INTERIOR ELEVATIONS FOR FINISH TYPES) 6" STUD (FILL STUD CAVITY WITH MINERAL WOOL INSULATION) 5/8" GLASS-MAT WALL SHEATHING FLUID APPLIED AIR/VAPOR BARRIER (CAVITY WALL SIDE) 2" RIGID INSULATION 2 3/4" AIR SPACE 3.5" CAST STONE/MASONRY VENEER (VENEER VARIES SEE EXTERIOR BUILDING ELEVATION FOR FINISH TYPES)</p>	<p>W-7</p> <p>TOTAL WALL THICKNESS: 10 5/8"</p> <p>7.5" CONCRETE MASONRY UNIT 3" POLYMER-BASED EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) (SEE SPECS BUILDING ELEVATIONS FOR FINISH TYPE)</p>
	<p>W-8</p> <p>TOTAL WALL THICKNESS: 10 1/4"</p> <p>5/8" GYPSUM BOARD (SEE INTERIOR ELEVATIONS FOR FINISH TYPES) 6" STUD (FILL STUD CAVITY WITH MINERAL WOOL INSULATION) 5/8" GLASS-MAT WALL SHEATHING FLUID APPLIED AIR/VAPOR BARRIER (CAVITY WALL SIDE) 3" POLYMER-BASED EXTERIOR INSULATION AND FINISH SYSTEM (EIFS) (SEE SPECS BUILDING ELEVATIONS FOR FINISH TYPE)</p>

X* FINISH VARIES SEE BUILDING ELEVATIONS
A - TRENDSSTONE ALMOND BARK (GROUNDFACE)
B - TRENDSSTONE COUNTY GRAY (GROUNDFACE)
C - CAST STONE 'SS WHITE'
D - CAST STONE 'SLATE'

GENERAL WALL SECTION NOTES

1. ALL MASONRY WALLS TO BE REINFORCED. JOINT REINFORCEMENT @ EACH SECOND COURSE & 1 COURSE ABOVE & BELOW ALL OPENINGS.
2. FOR WALL FINISHES SEE FINISH PLANS AND INT. & EXT. ELEVATIONS.
3. REFER TO MISCELLANEOUS DETAILS AND SPECIFICATIONS FOR EXPANSION JOINT DETAILS AND INFORMATION.
4. REFER TO ROOF PLAN FOR LOCATIONS AND SPECIFICATIONS FOR DESCRIPTION OF INSULATION AND ROOF ASSEMBLY.
5. ALL PARTITIONS EXTEND TO UNDERSIDE OF DECK, UNLESS NOTED OTHERWISE.
6. SEE CODE COMPLIANCE PLANS G SERIES DRAWINGS FOR LOCATION OF RATED PARTITIONS. PROVIDE UL DESIGN TO ACHIEVE RATINGS INDICATED.

GENERAL WALL DETAIL NOTES

1. ALL MASONRY WALLS TO BE REINFORCED. JOINT REINFORCEMENT @ EACH SECOND COURSE & 1 COURSE ABOVE & BELOW ALL OPENINGS.
2. FOR WALL FINISHES SEE FINISH PLANS AND INT. & EXT. ELEVATIONS.
3. REFER TO MISCELLANEOUS DETAILS AND SPECIFICATIONS FOR EXPANSION JOINT DETAILS AND INFORMATION.
4. REFER TO ROOF PLAN FOR LOCATIONS AND SPECIFICATIONS FOR DESCRIPTION OF INSULATION AND ROOF ASSEMBLY.
5. ALL PARTITIONS EXTEND TO UNDERSIDE OF DECK, UNLESS NOTED OTHERWISE.
6. SEE CODE COMPLIANCE PLANS G SERIES DRAWINGS FOR LOCATION OF RATED PARTITIONS. PROVIDE UL DESIGN TO ACHIEVE RATINGS INDICATED.



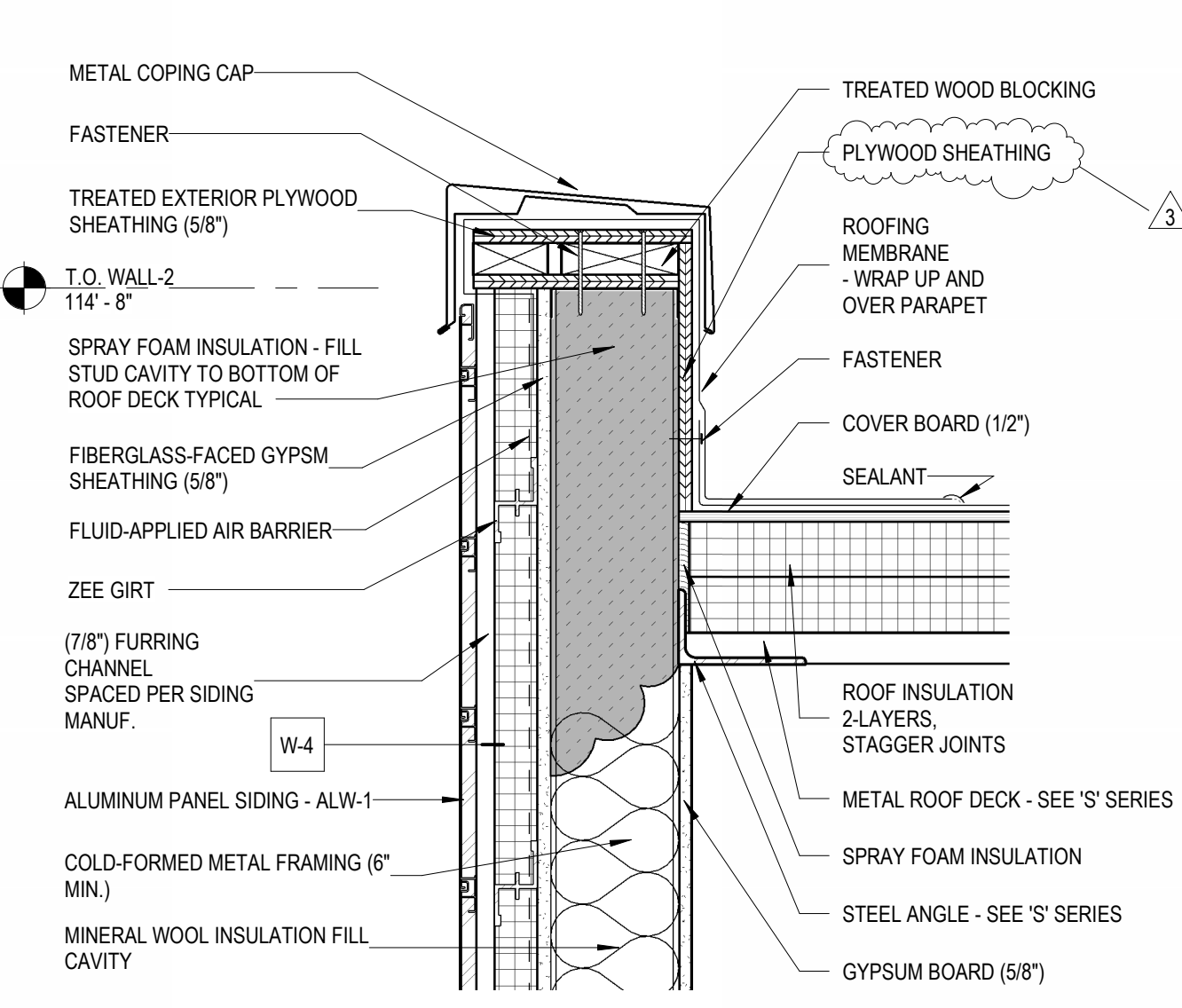
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1	02.14.2024	ISSUED FOR BID/ PERMIT	
3	02.29.2024	ADDENDUM #2	

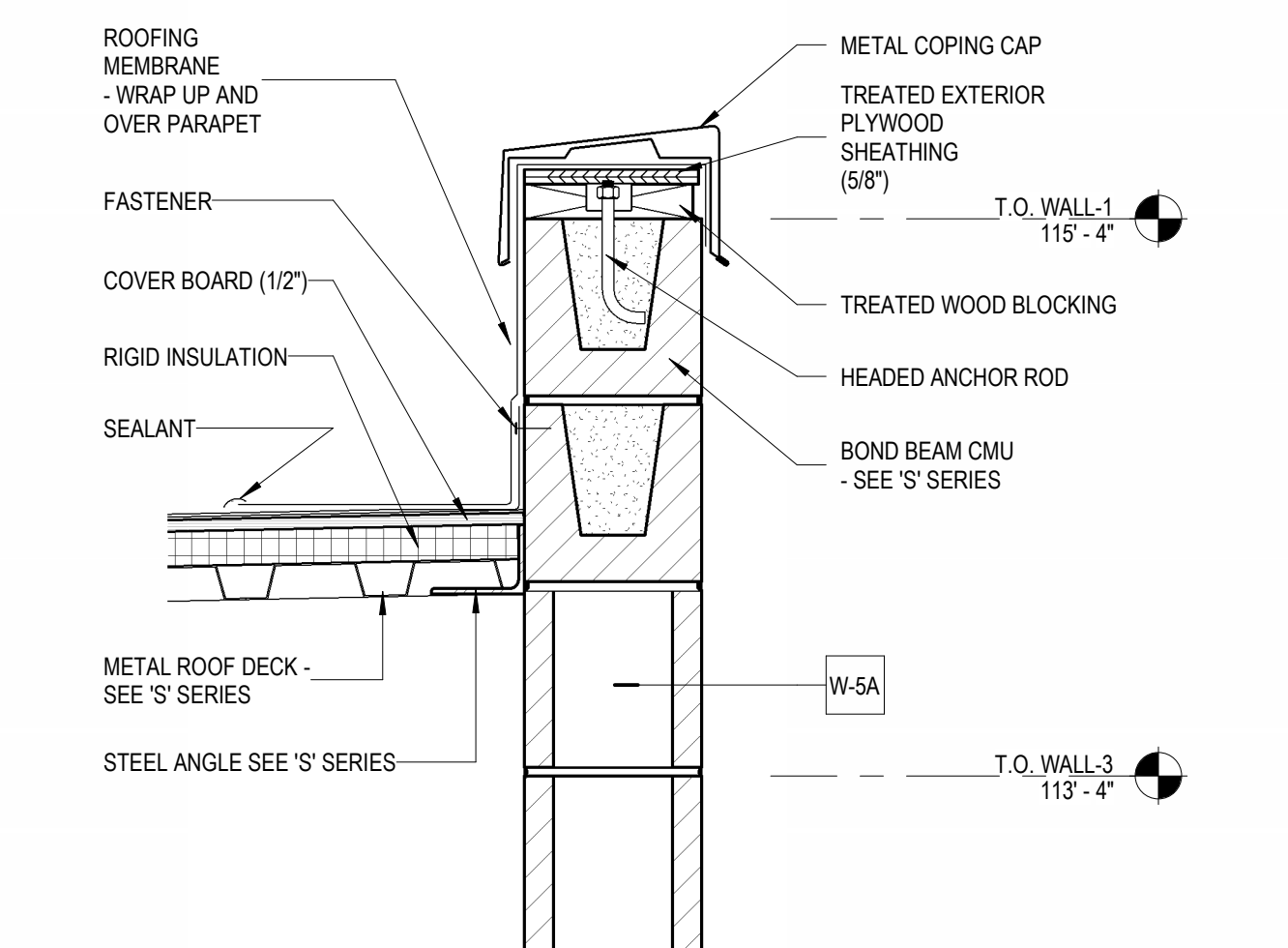
**O'FALLON COMMUNITY PARK ENHANCEMENTS
- NEW POOL AND AMPHITHEATER (PHASE 1)**
O'FALLON PARKS & RECREATION
411 E. 5TH STREET, O'FALLON, IL 62269
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WALL SECTION DETAILS

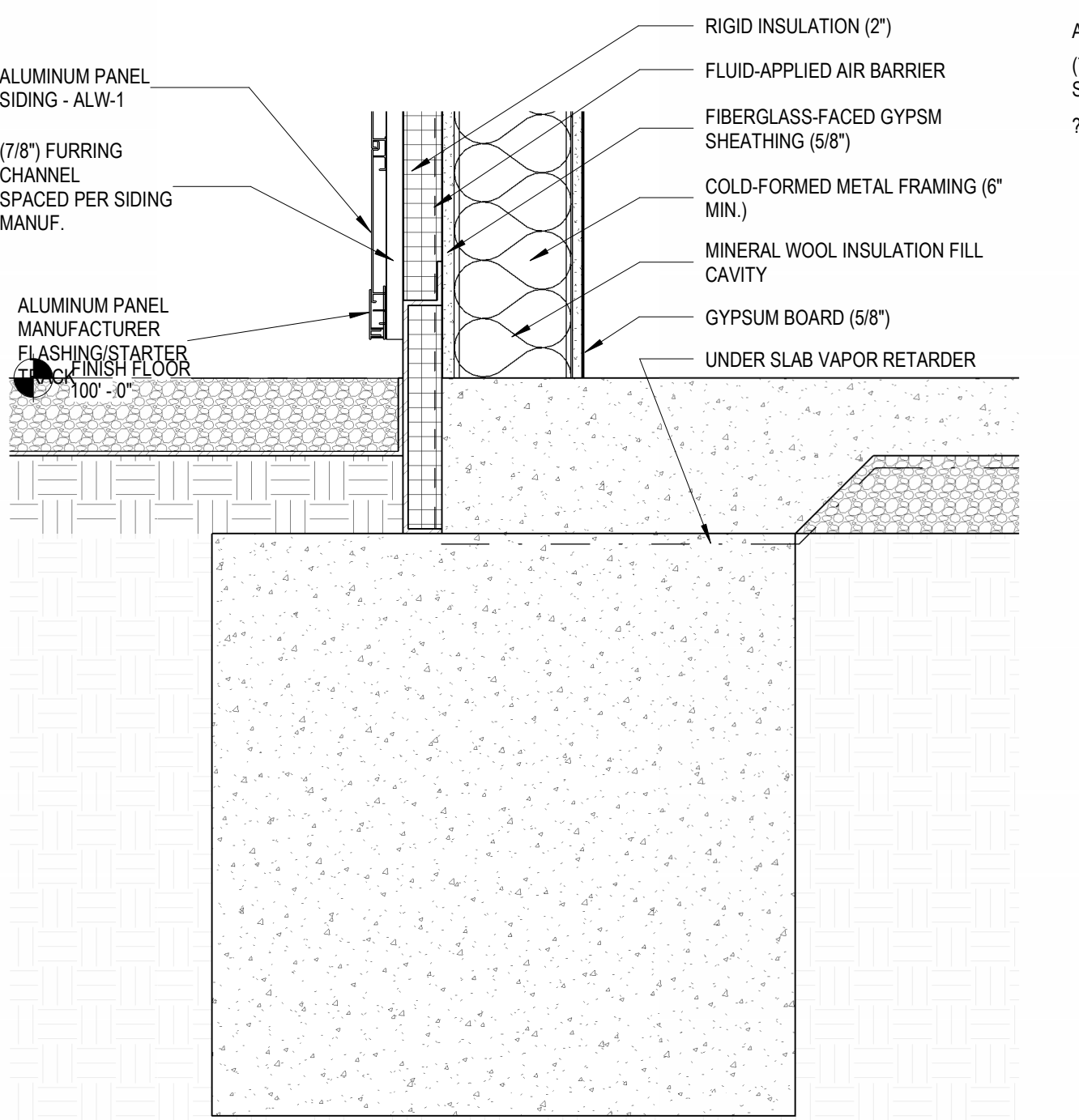
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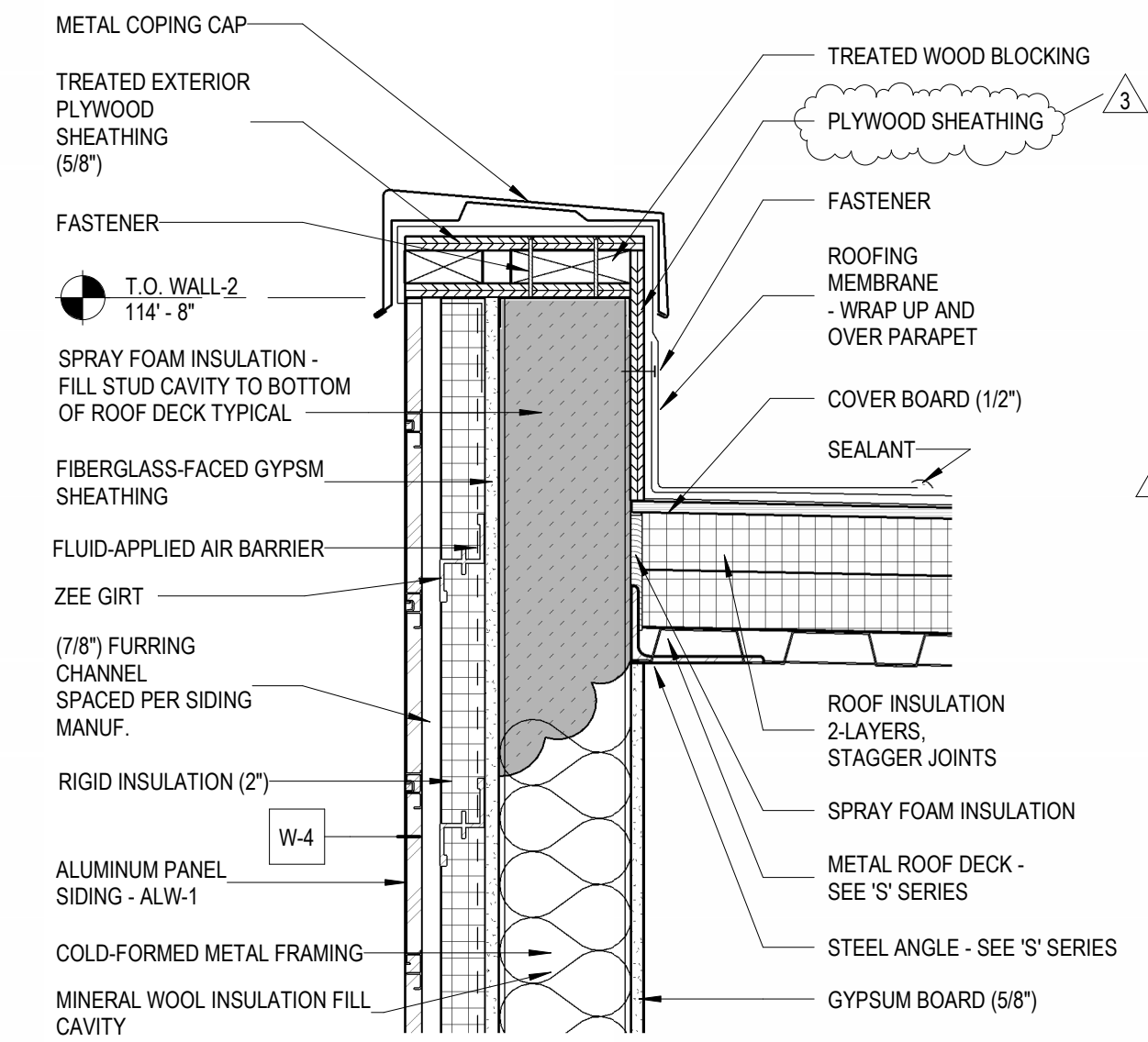
14 | WALL SECTION DETAIL
1 1/2" = 1'-0"



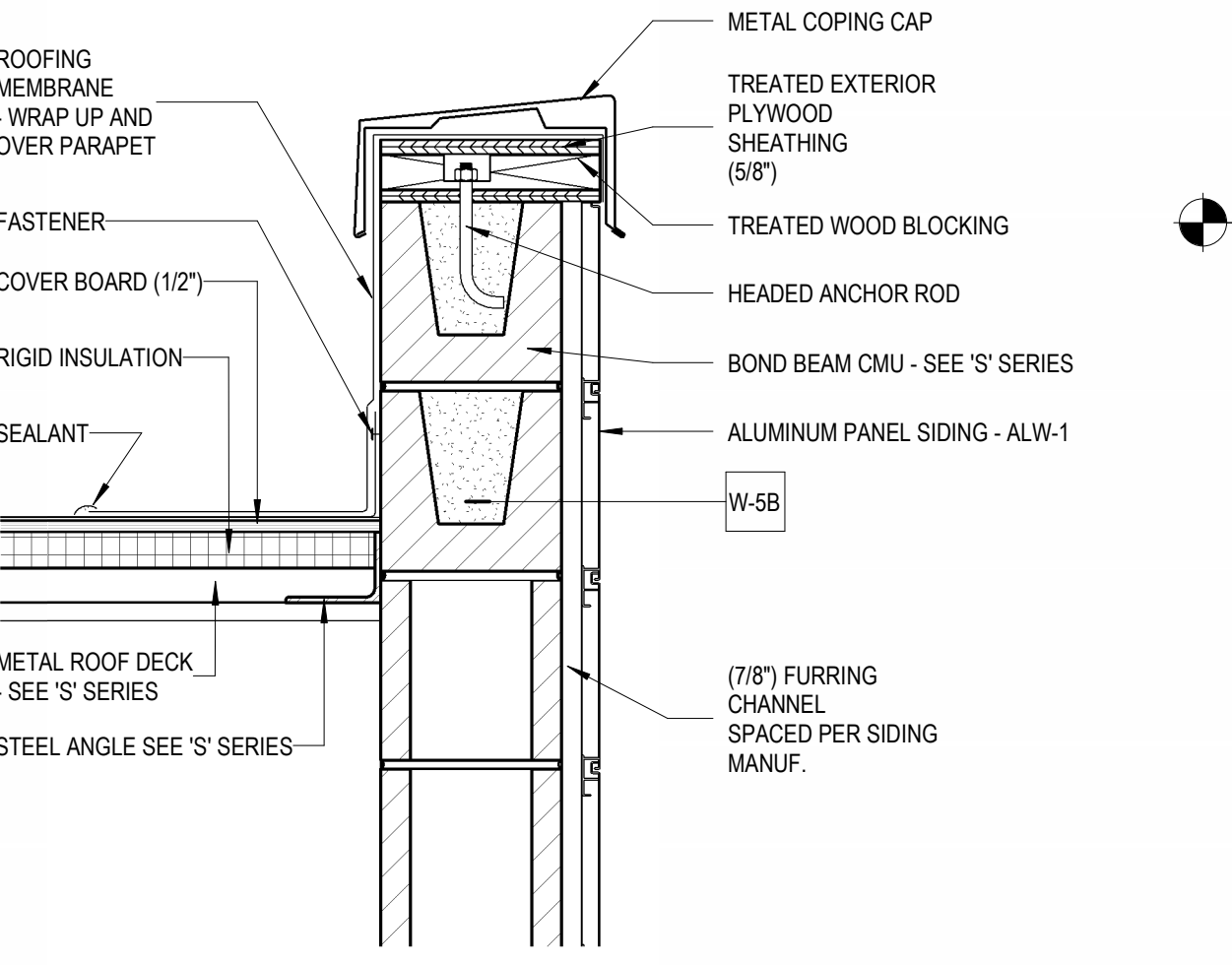
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1 1/2" = 1'-0"



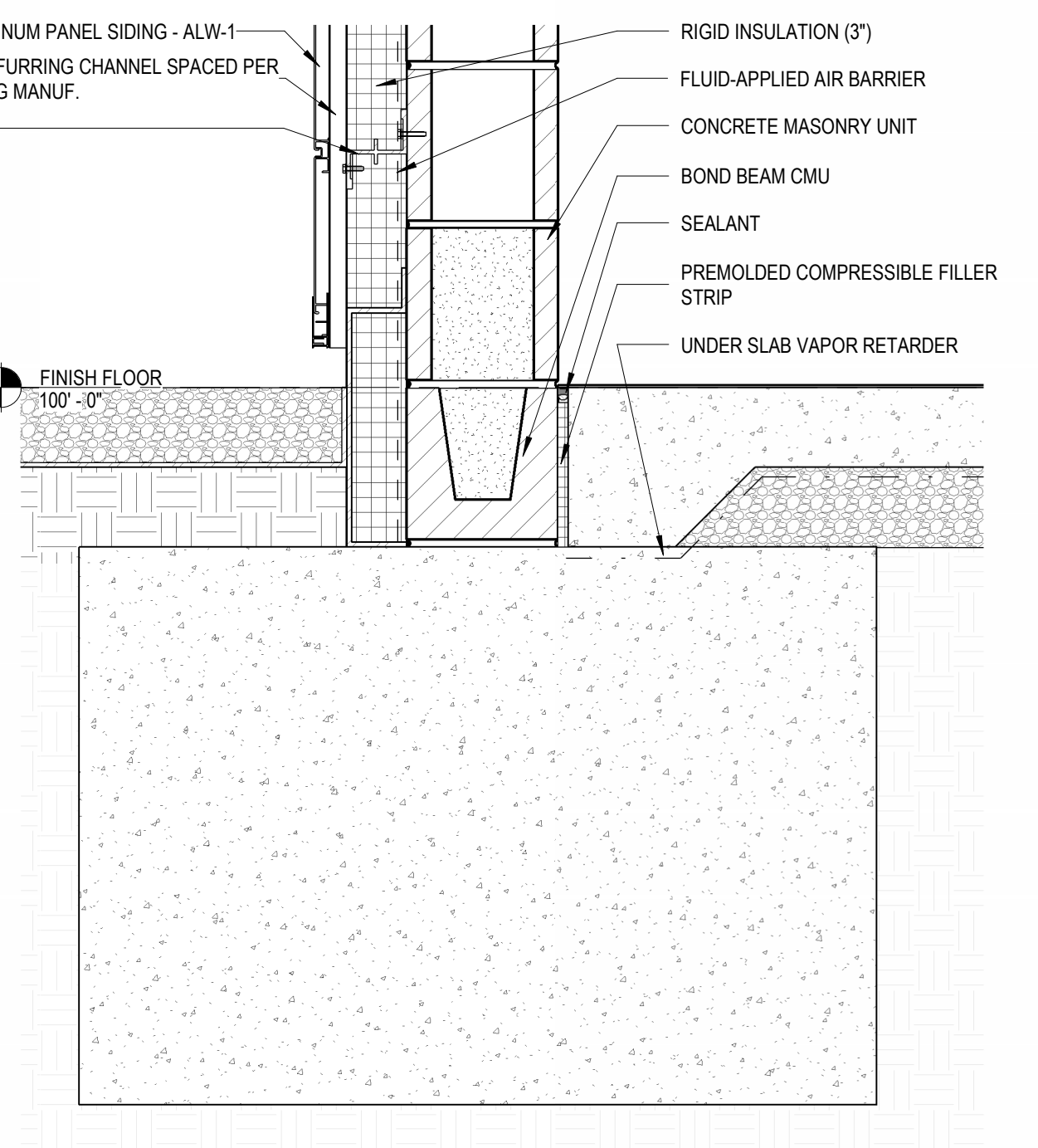
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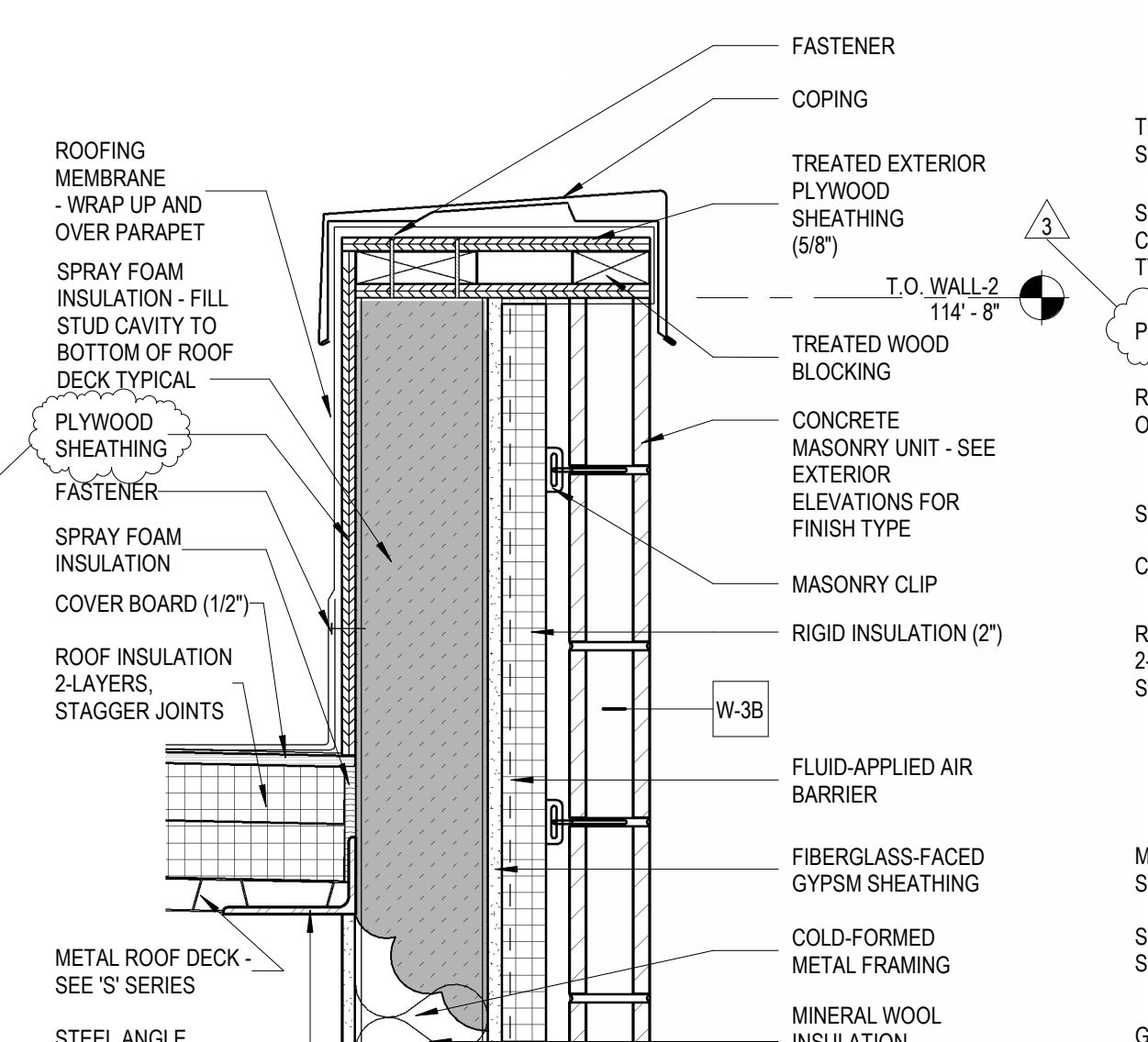
11 | WALL SECTION DETAIL
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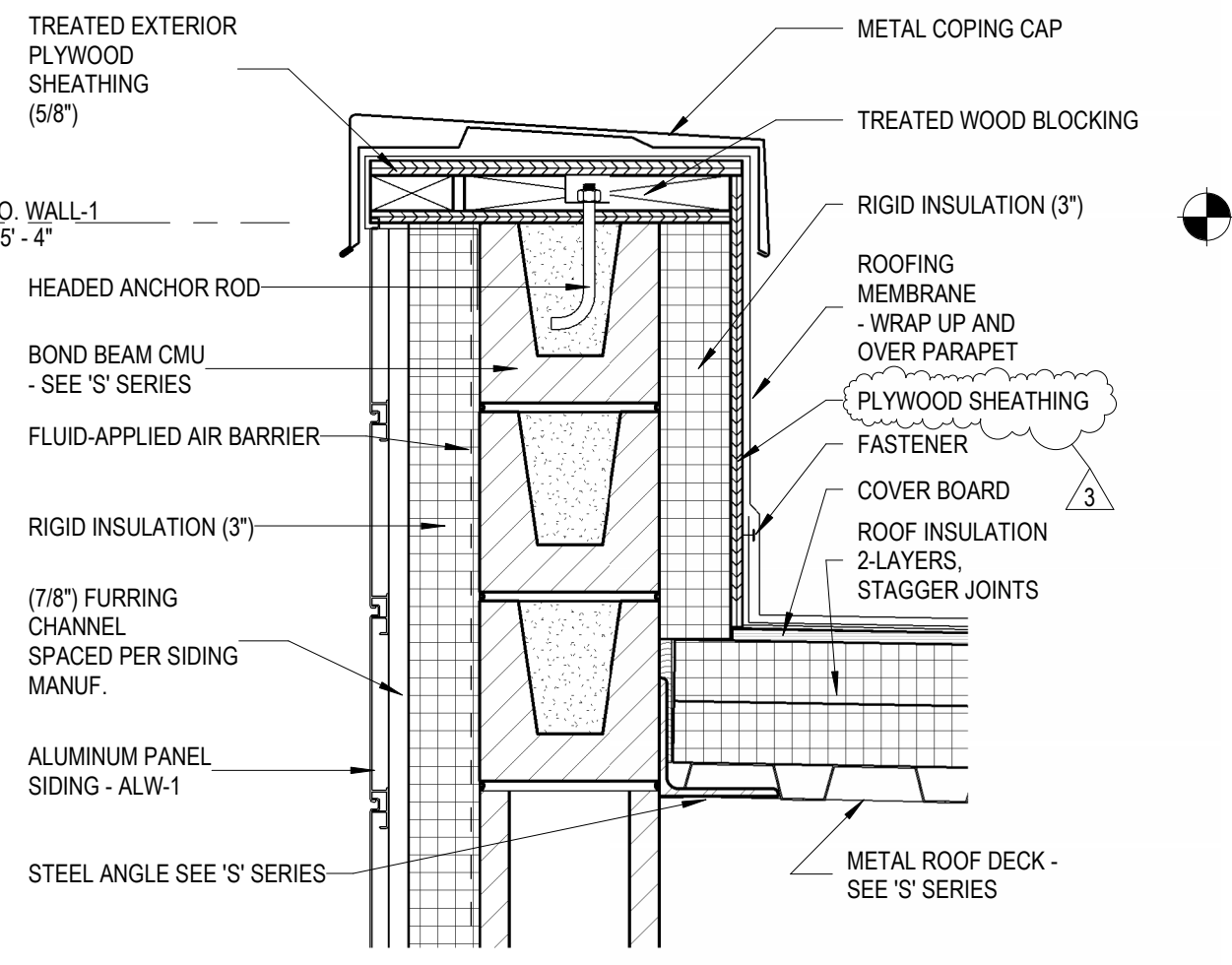
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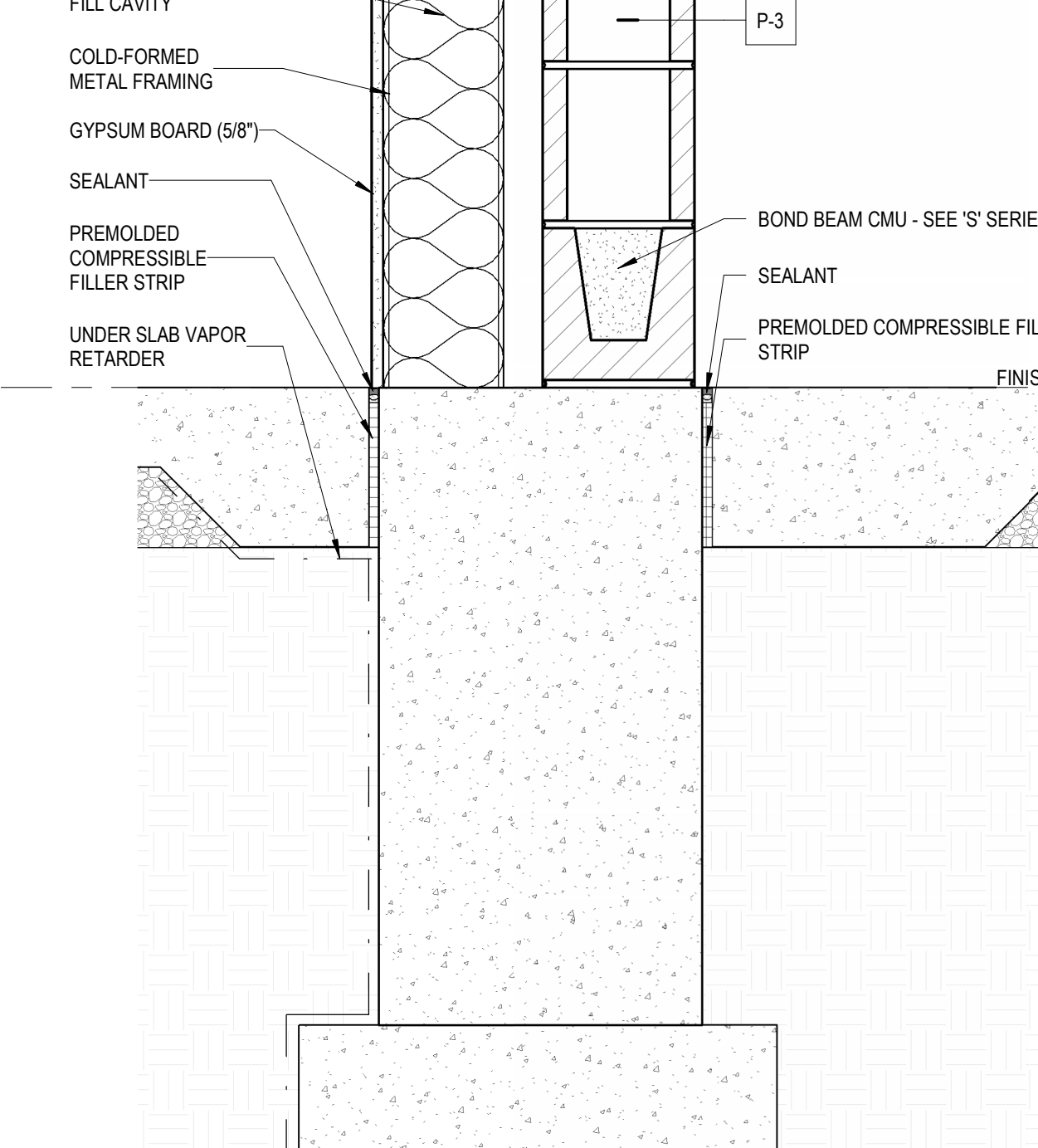
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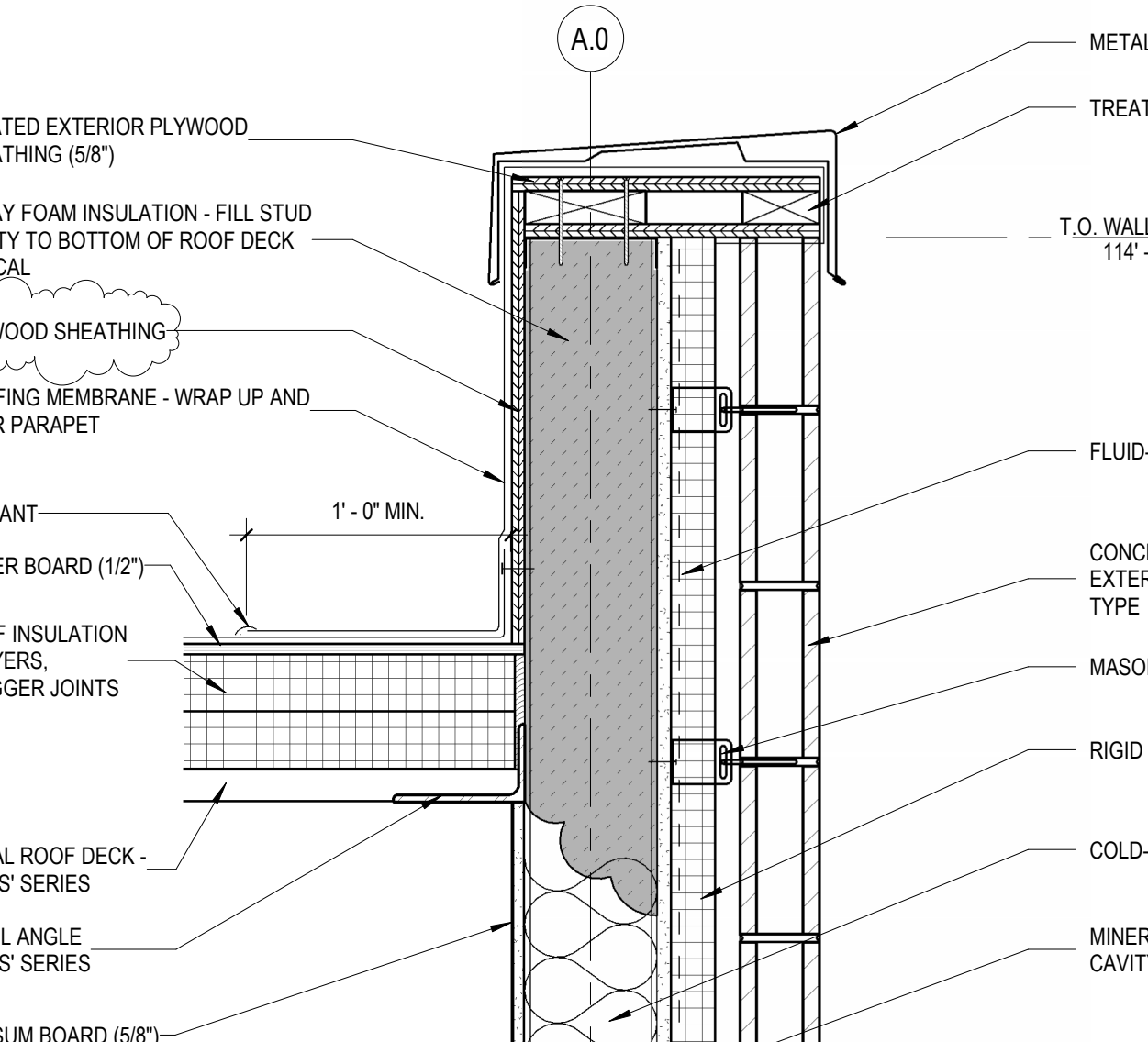
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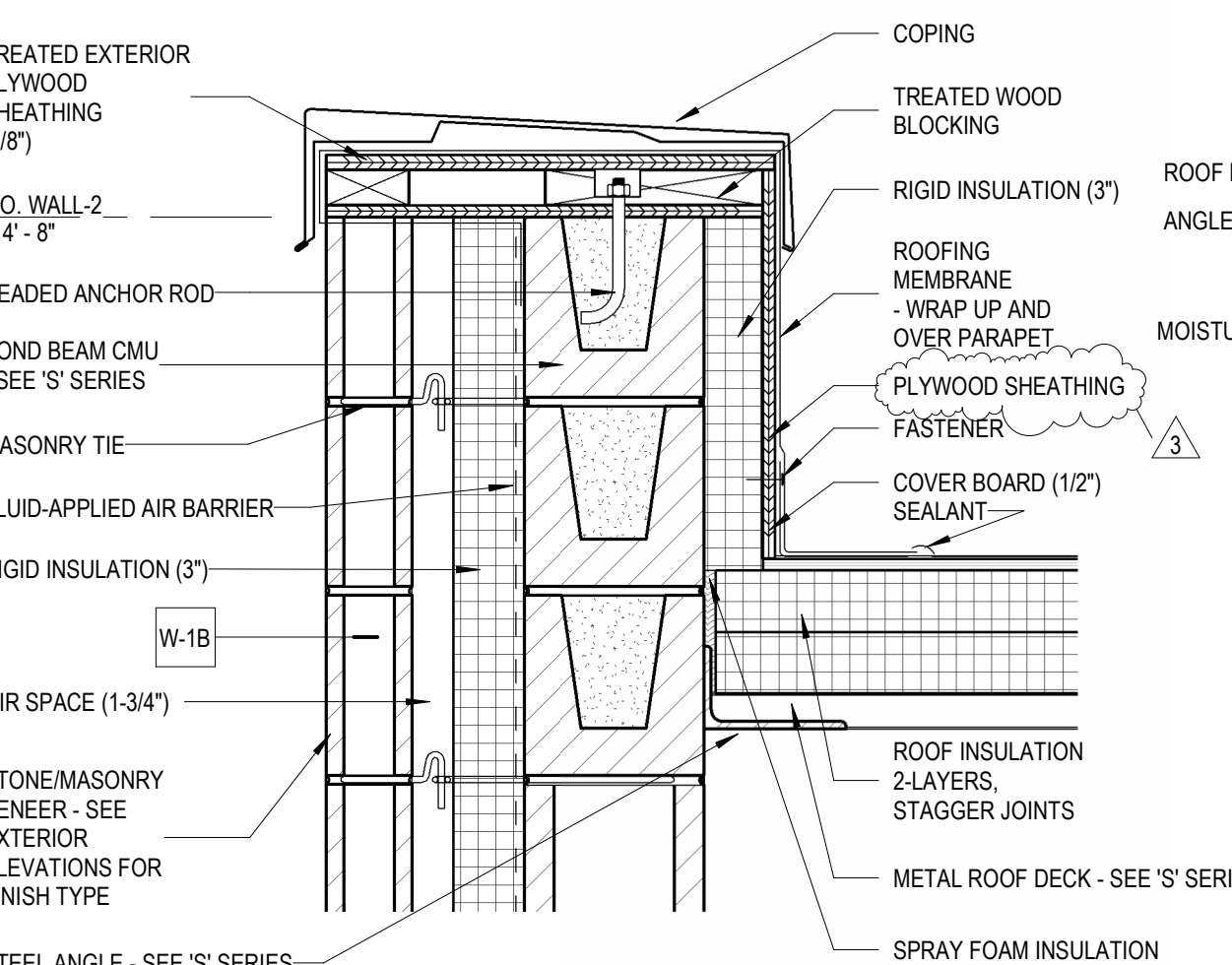
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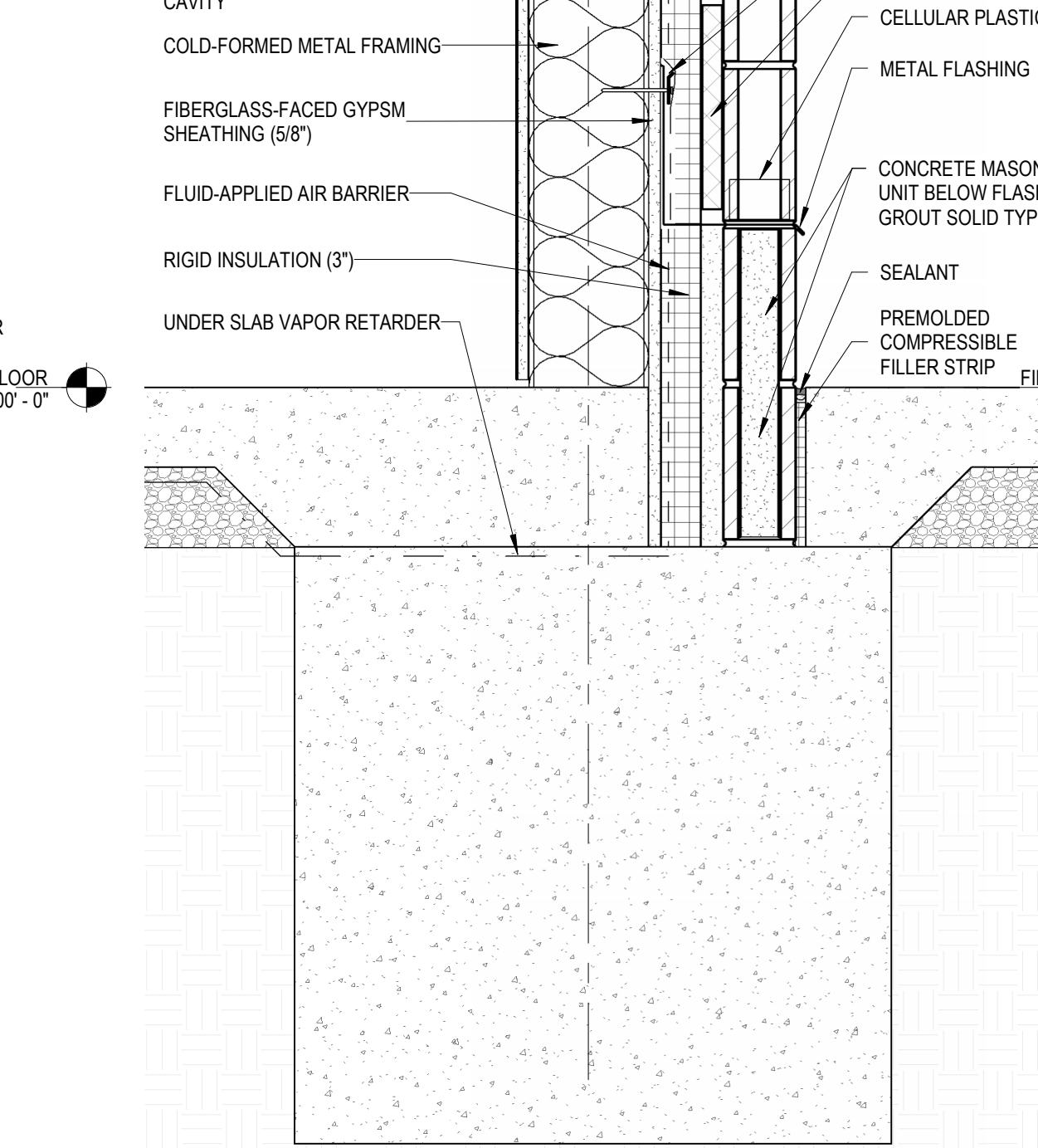
6 | WALL SECTION DETAIL
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5 | WALL SECTION DETAIL
1 1/2" = 1'-0"



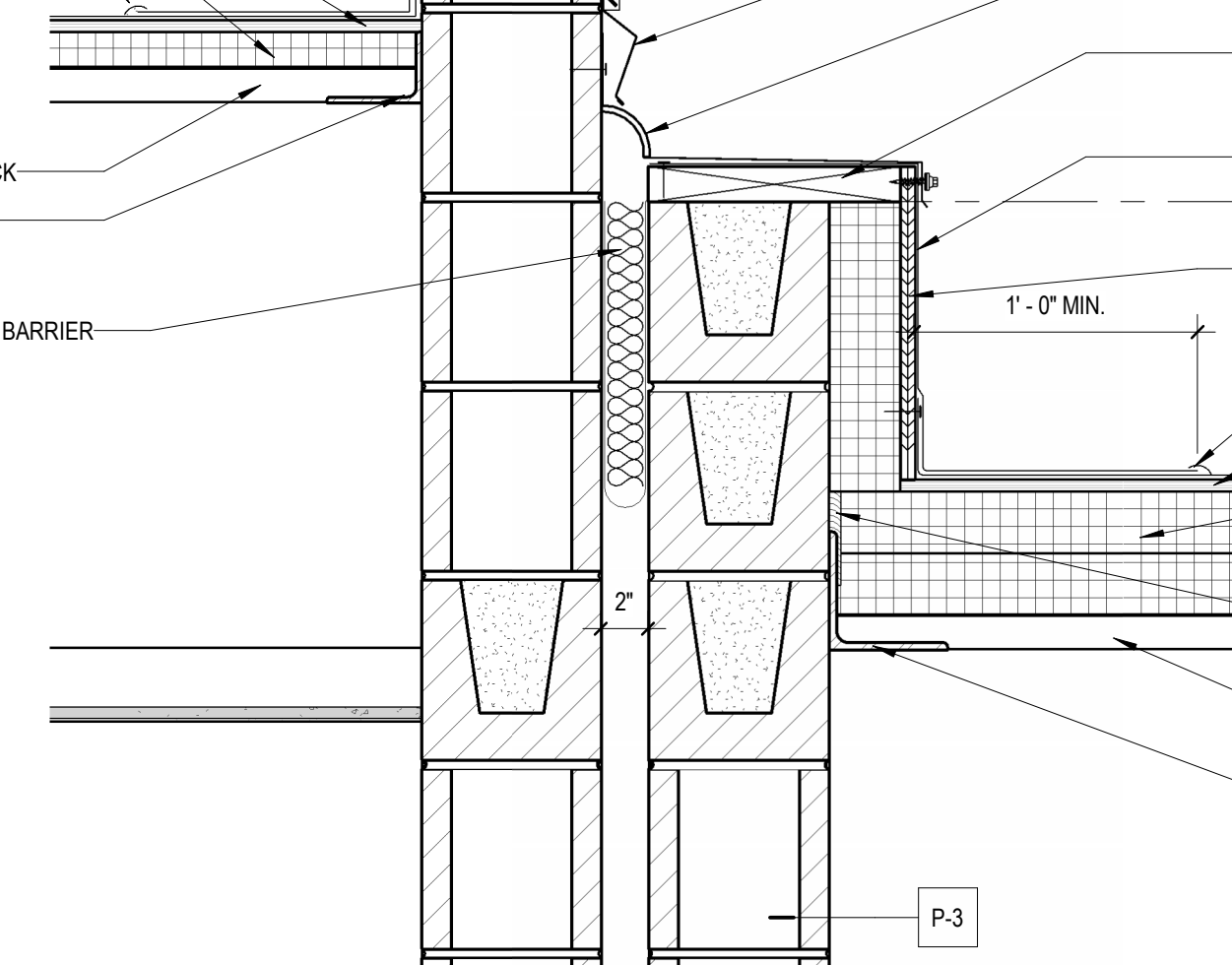
4 | WALL SECTION DETAIL
1 1/2" = 1'-0"



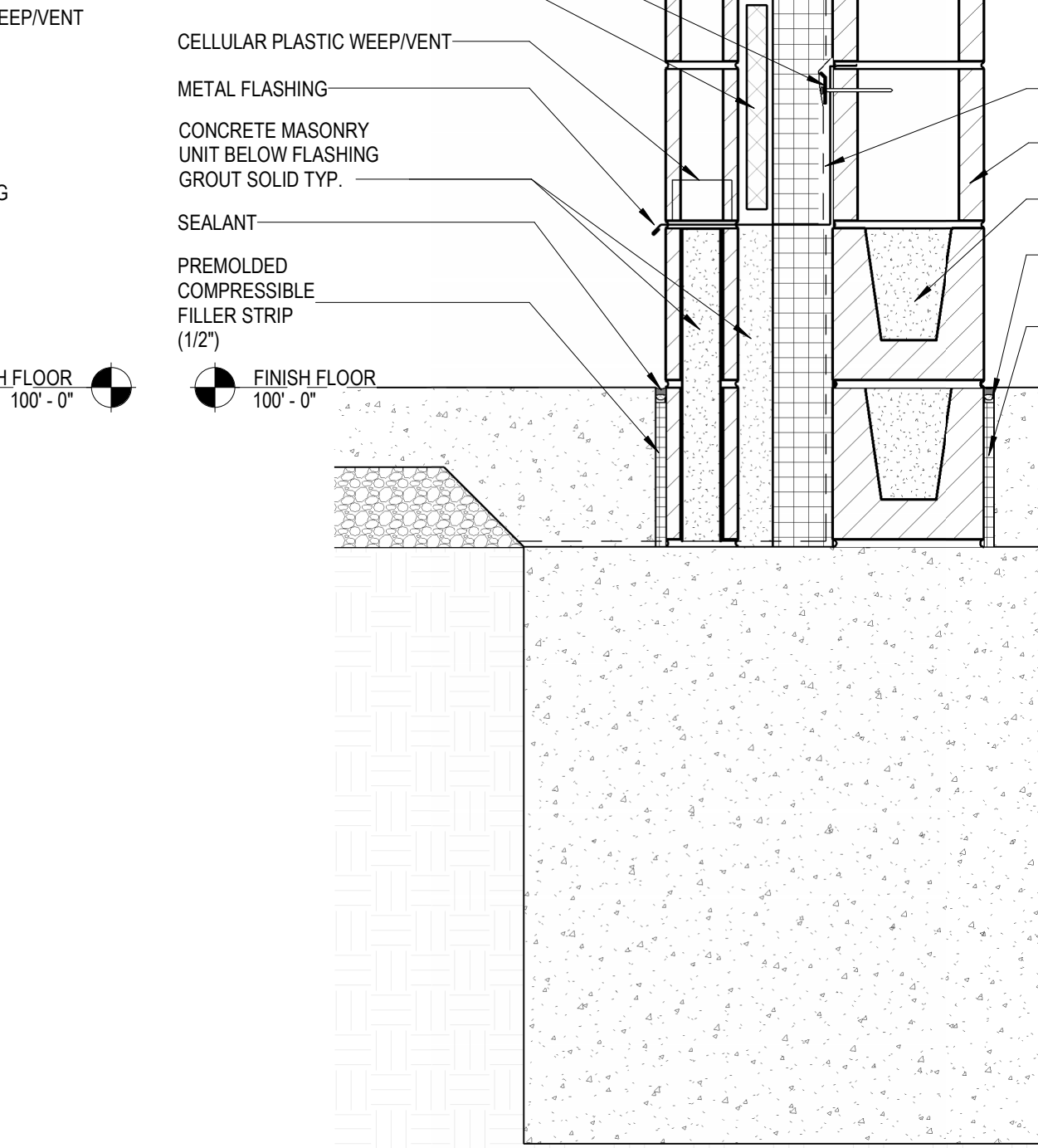
3 | WALL SECTION DETAIL
1 1/2" = 1'-0"



2 | WALL SECTION DETAIL
1 1/2" = 1'-0"



1 | WALL SECTION DETAIL
1 1/2" = 1'-0"



1 | WALL SECTION DETAIL
1 1/2" = 1'-0"



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O'FALLON COMMUNITY PARK ENHANCEMENTS - NEW POOL AND AMPHITHEATER (PHASE 1) O'FALLON PARKS & RECREATION 411 E. 5TH STREET, O'FALLON, IL 62269 ISSUED FOR BID/ PERMIT

ENLARGED PLAN AREA 'B' & 'C'

A4.1

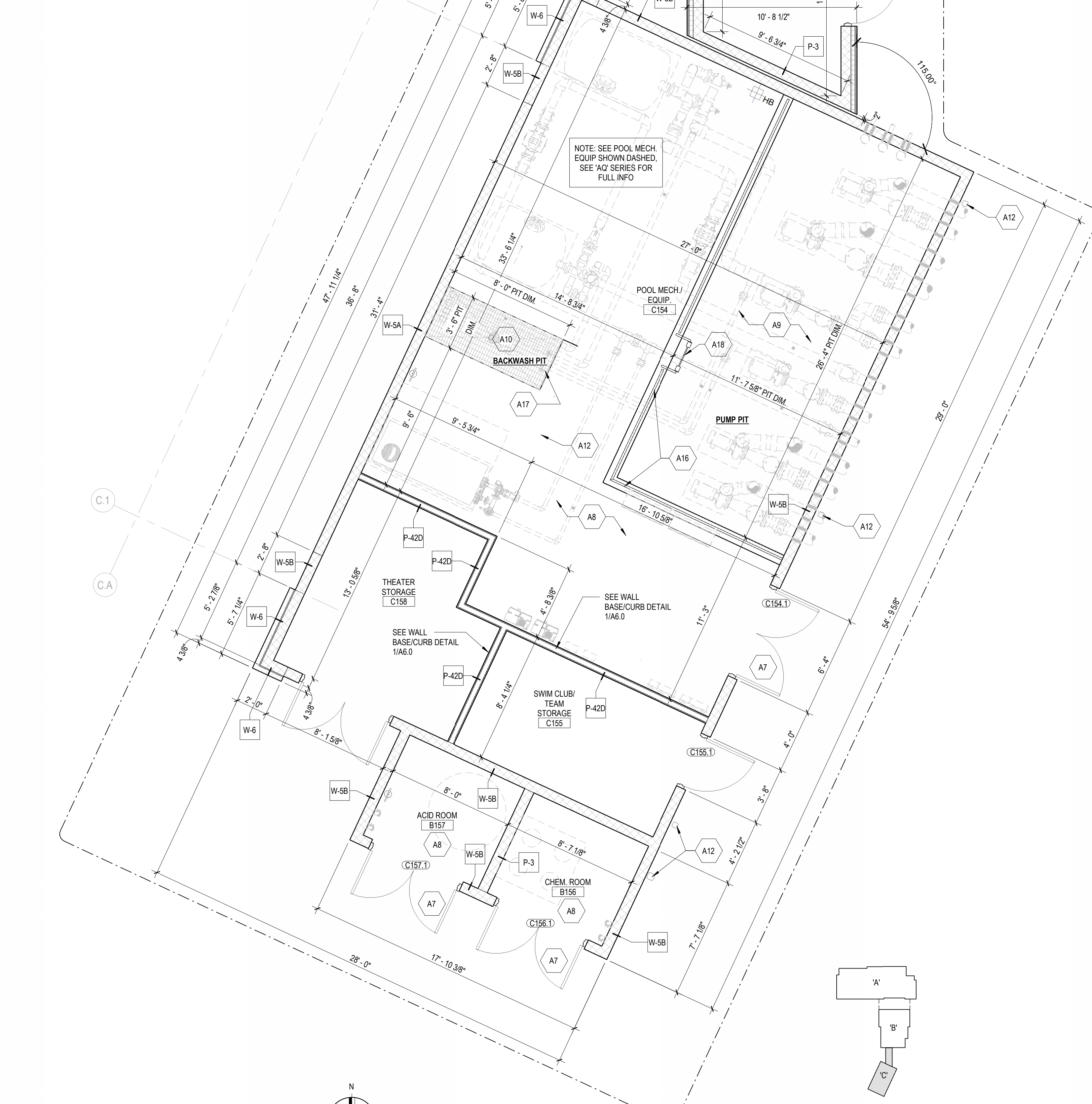
FLOOR PLAN KEYED NOTES table with columns: TAG, DESCRIPTION. Rows A1 through A8 detailing IDPH mandates, furniture equipment, food service, casework, tables, cabinets, and pool compliance.

FLOOR PLAN KEYED NOTES table with columns: TAG, DESCRIPTION. Rows A9 through A23 detailing pool equipment, backwash pits, exterior columns, downspouts, pump pits, ladders, expansion joints, site fencing, and steel counters.

- GENERAL FLOOR PLAN NOTES: 1. REFER TO G-SERIES SHEETS FOR TYPICAL ABBREVIATIONS, SYMBOLS & TAGS. 2. REFER TO WALL AND PARTITION TYPES FOR THICKNESS OF WALLS AND PARTITIONS. 3. WALL AND PARTITION DIMENSIONS ARE SHOWN TO FINISHED FACE OF WALL. 4. DIMENSIONS FOR INTERIOR AREAS DRAWN AT A LARGER SCALE ARE SHOWN ON ENLARGED SCALE PLANS. SEE A4 SERIES DRAWINGS. 5. UNLESS OTHERWISE NOTED, WALLS AND PARTITIONS WHICH ARE SHOWN TO BE ON A GRID LINE OR IMMEDIATELY NEXT TO A GRID LINE SHALL BE LOCATED PARALLEL TO THE GRID LINE WITH THE FACE OF THE WALL 1' AWAY FROM THE LEG OF THE STEEL JOIST. (SEE A-X SERIES)

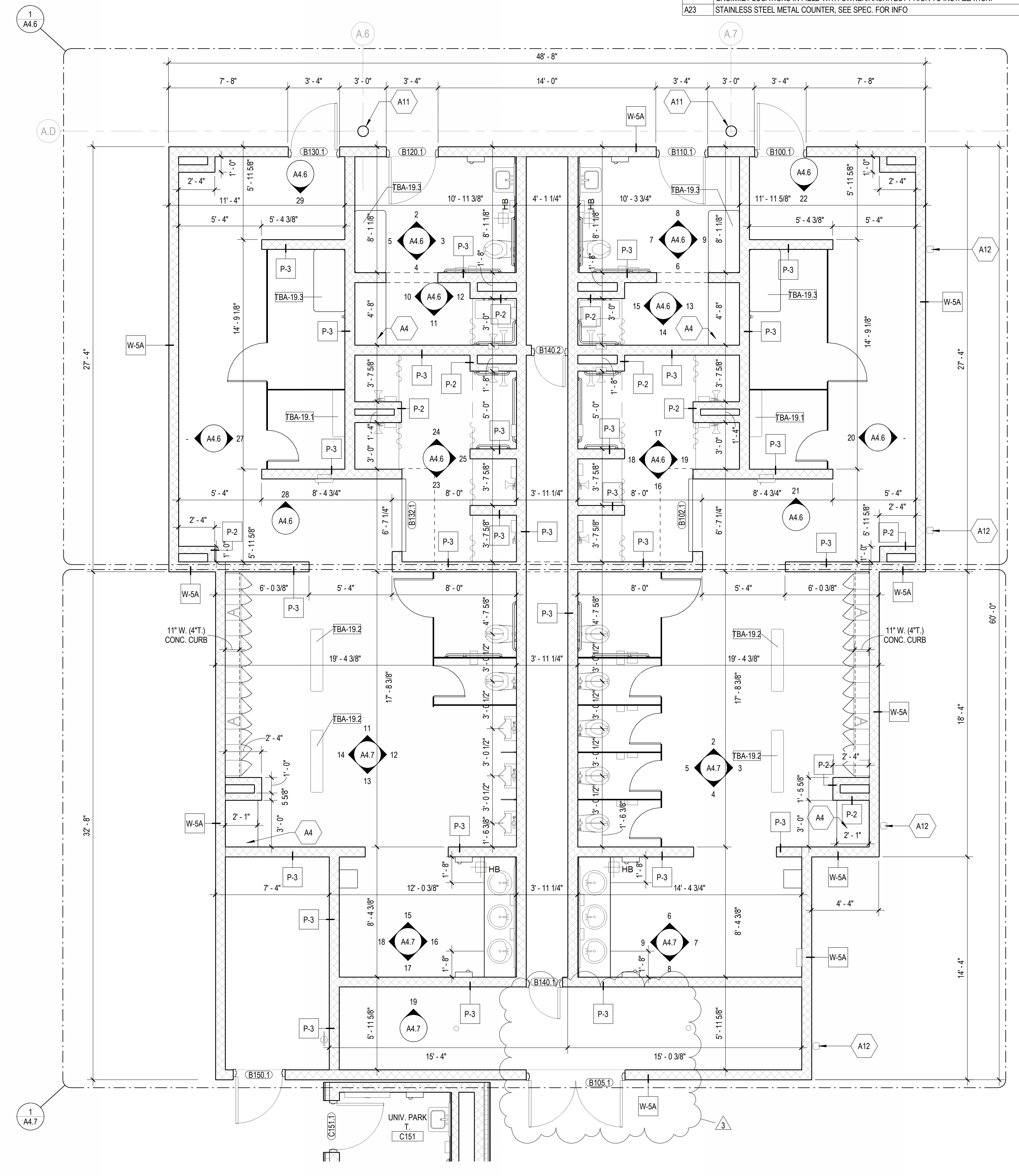
- GENERAL FLOOR PLAN - IDPH COMPLIANCE NOTES: 1. BATHER PREPARATION FACILITIES ARE DIVIDED INTO SEPARATE AREAS DESIGNATED FOR EACH SEX AS SHOWN, INCLUDING DESIGNATED SINGLE OR FAMILY USE BATHING ROOMS (INDICATED FOR USE OF COMPLIANT FIXTURE COUNT). 2. ALL FLOORS OF BATHER PREPARATION AREAS & ROOMS SHALL BE SLIP-RESISTANT, IMPERVIOUS TO MOISTURE AND SLOPED TO DRAIN AT LEAST 1" IN 10' (TEN FEET) WHERE EXPOSED SEALED CONCRETE IS UTILIZED AS FINAL FLOORING. PROVIDE BROOM FINISH WITH SLIP-RESISTANT FINAL TEXTURE.

GENERAL FLOOR PLAN NOTES 1/4" = 1'-0"



2 ENLARGED PLAN AREA 'C' 1/4" = 1'-0"

KEY PLAN - AREA 'C' 1" = 100'-0"



1 ENLARGED PLAN AREA 'B' 1/4" = 1'-0"

KEY PLAN - AREA 'B' 1" = 100'-0"



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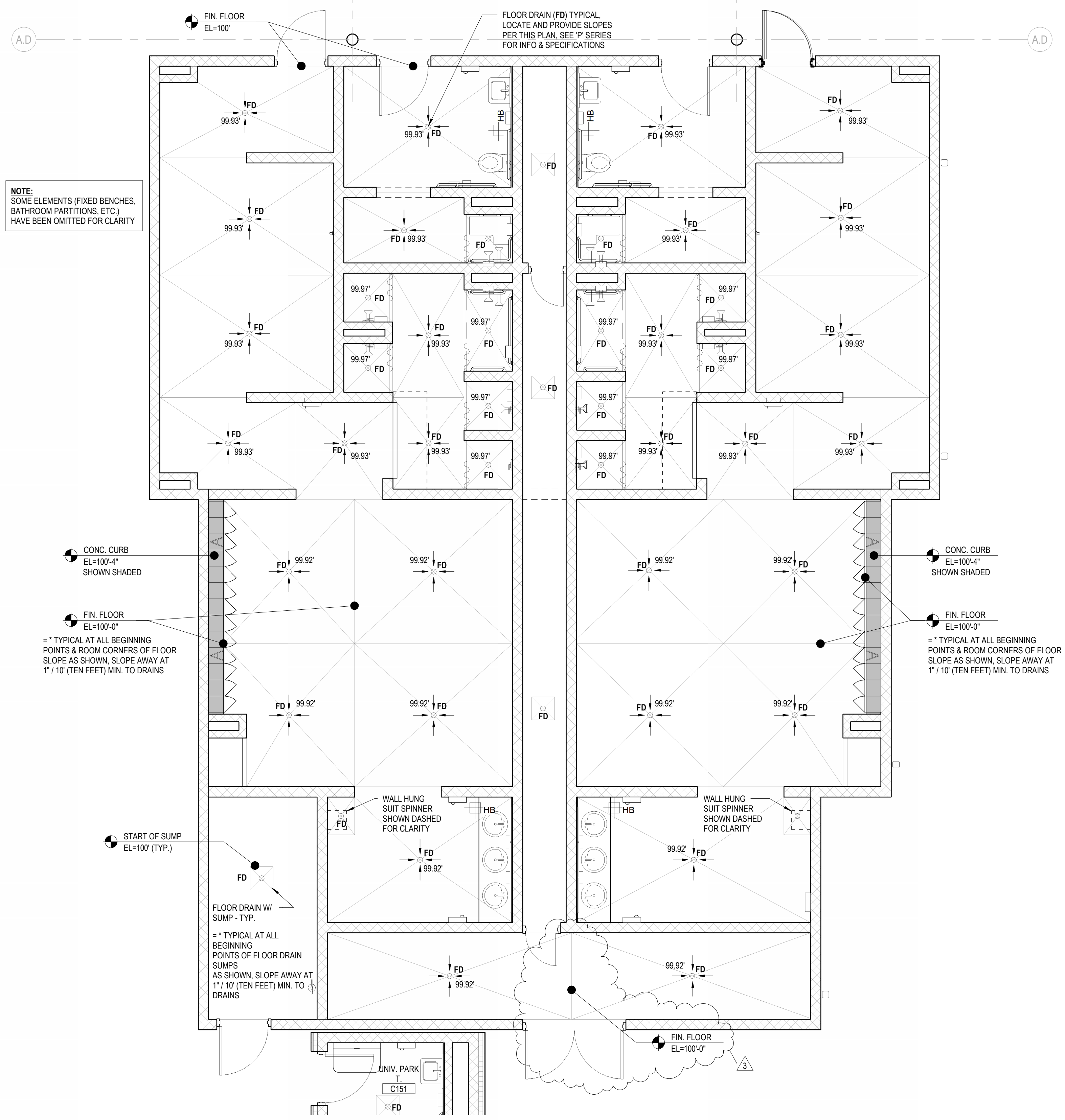
**O'FALLON COMMUNITY PARK ENHANCEMENTS
- NEW POOL AND AMPHITHEATER (PHASE 1)**
O'FALLON PARKS & RECREATION
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ENLARGED PLAN AREA 'B' & 'C' - FLOOR DRAIN SLOPE PLANS

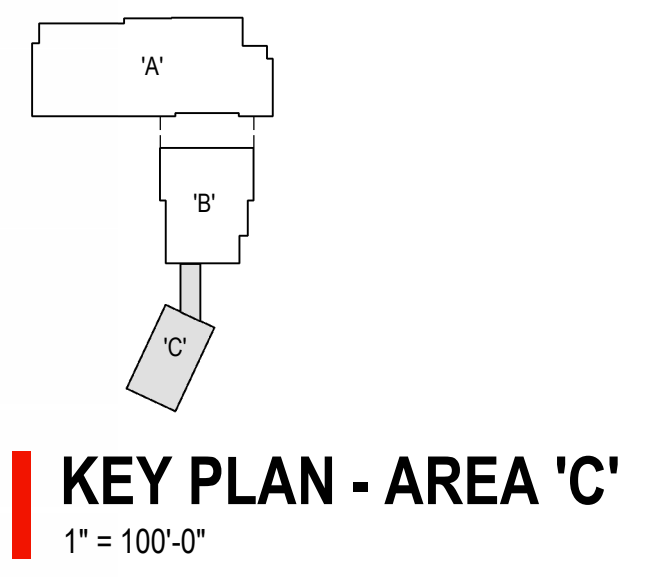
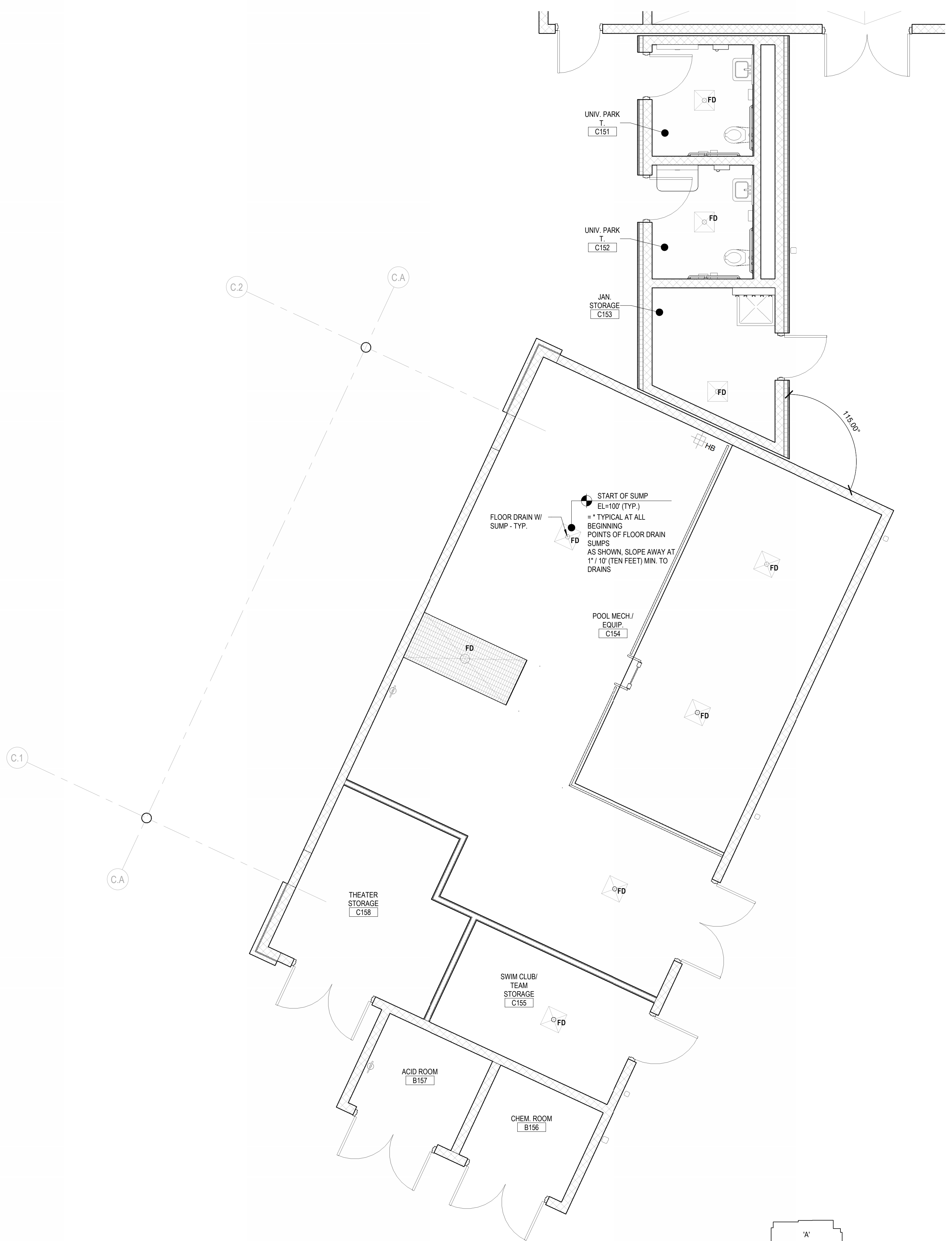
SHEET NO. **A4.2**

IMPORTANT NOTES IN REGARD TO FLOORING AND IDPH COMPLIANCE:
ALL BATHING PREPARATION AREAS AND ROOMS, ALL POOL, MECHANICAL AND EQUIPMENT ROOMS AND SPACES SHALL HAVE A FINAL FLOOR FINISH TO BE IMPERVIOUS TO MOISTURE AND SLIP-RESISTANT. WHERE FINAL FLOORING IN THESE SPACES IS TO BE SEALED CONCRETE, PERFORM BROOM FINISH TEXTURE (REVIEWED AND APPROVED PRIOR IN SAMPLE BY ARCH. AND OWNER) FOR FINAL SLIP-RESISTANT FLOOR TEXTURE.
ALL FLOOR SLOPES SHOWN SHALL BE SLOPED TO DRAINS AT LEAST 1" IN 10' (TEN FEET). SLOPE FROM ROOM CORNERS OR HIGH FLOOR FINISH LEVELS AS SHOWN OR SUMP AT DRAIN ACCORDINGLY. ANY DEVIATION FROM REQUIRED FLOOR SLOPE OR NON-COMPLIANT INSTALLED SLOPES WILL BE SUBJECT TO IDPH INSPECTION REVIEW AND APPROVAL AND THE RESPONSIBILITY WITH DEMOREPLACEMENT AND CONFORMANCE WILL BE WITH THE CONTRACTOR.

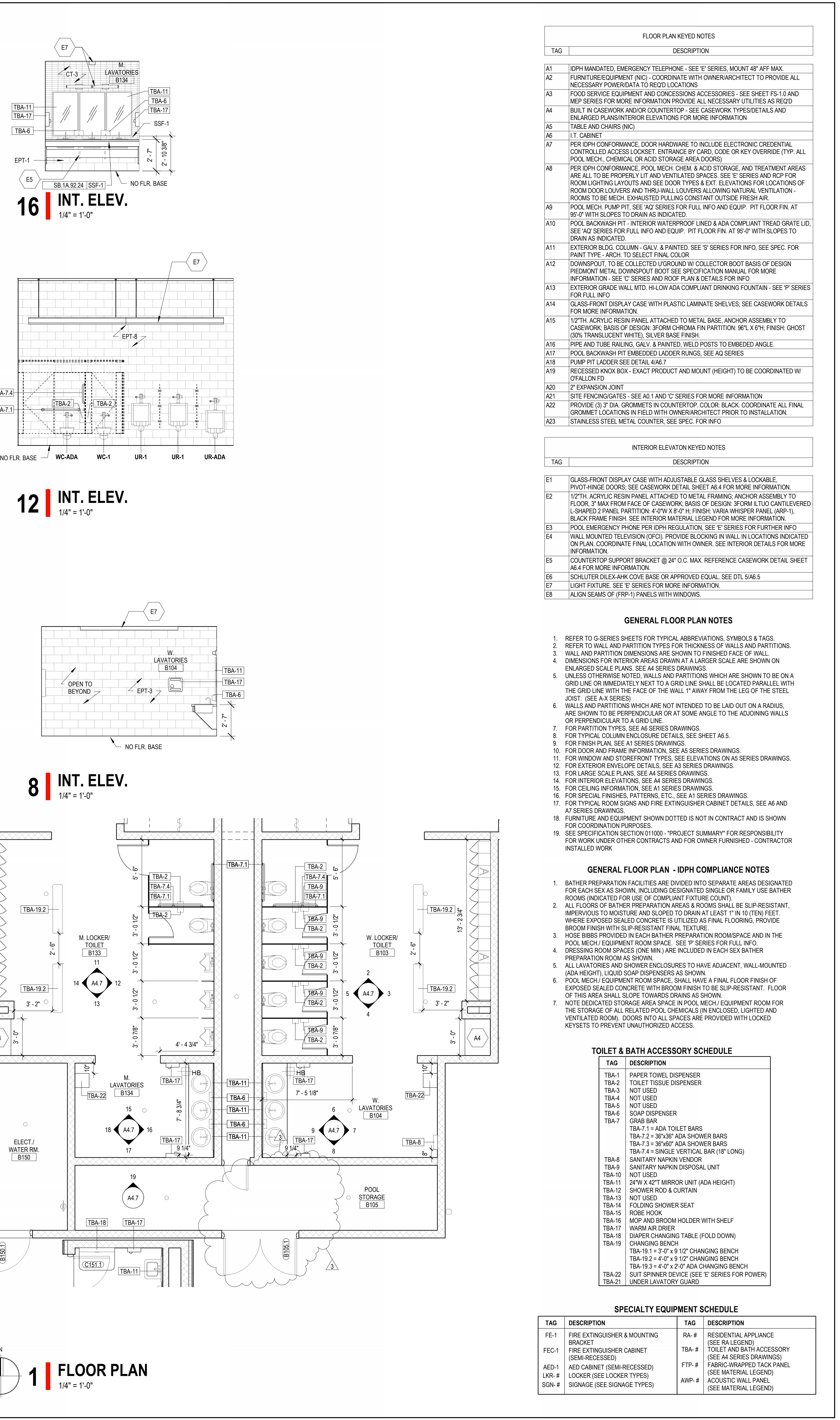
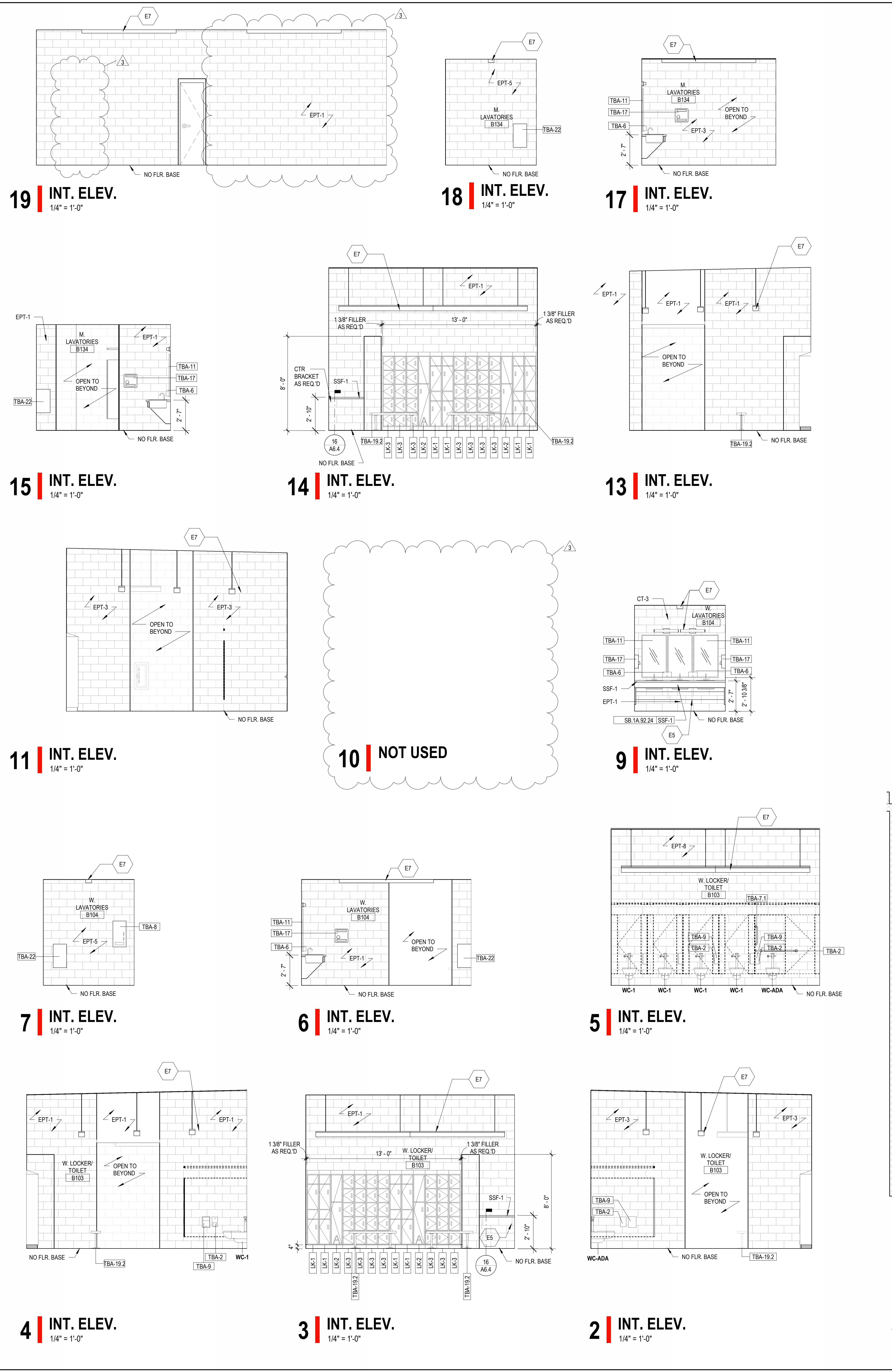
IMPORTANT NOTE:
ALL FLOOR DRAIN ELEVATIONS SHOWN ARE FOR BEGINNING REFERENCE ONLY. IT IS STILL THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO FIELD VERIFY CONDITIONS AND SET DRAIN ELEVATIONS TO A COMPLIANT FINAL ELEVATION TO BOTH IDPH AND ADA SLOPE REGULATIONS



NOTE:
SOME ELEMENTS (FIXED BENCHES, BATHROOM PARTITIONS, ETC.) HAVE BEEN OMITTED FOR CLARITY



2 | ENLARGED PLAN AREA 'C'
1/4" = 1'-0"



FLOOR PLAN KEYED NOTES	
TAG	DESCRIPTION
A1	IDPH MANDATED, EMERGENCY TELEPHONE - SEE 'E' SERIES, MOUNT 48\"/>

INTERIOR ELEVATION KEYED NOTES	
TAG	DESCRIPTION
E1	GLASS FRONT DISPLAY CASE WITH ADJUSTABLE GLASS SHELVES & LOCKABLE PIVOT HINGE DOORS. SEE CASEWORK DETAIL SHEET A6.4 FOR MORE INFORMATION.

GENERAL FLOOR PLAN - IDPH COMPLIANCE NOTES	
1.	BATHER PREPARATION FACILITIES ARE DIVIDED INTO SEPARATE AREAS DESIGNATED FOR EACH SEX AS SHOWN, INCLUDING DESIGNATED SINGLE OR FAMILY USE BATHING ROOMS (INDICATED FOR USE OF COMPLIANT FIXTURE COUNT).

TOILET & BATH ACCESSORY SCHEDULE	
TAG	DESCRIPTION
TBA-1	PAPER TOWEL DISPENSER

SPECIALTY EQUIPMENT SCHEDULE			
TAG	DESCRIPTION	TAG	DESCRIPTION
FE-1	FIRE EXTINGUISHER & MOUNTING BRACKET	RA-#	RESIDENTIAL APPLIANCE (SEE RA LEGEND)

FGM Architects Inc.
 475 Regency Park, Suite 325
 O'Fallon, Illinois 62269

618.624.3364 OFFICE
 618.624.3369 FAX

ILLINOIS PROFESSIONAL DESIGN
 FIRM #184-000350

CIVIL
 MILLENNIA PROFESSIONAL SERVICES
12 DECATUR DRIVE, SUITE 107
 FAIRVIEW HEIGHTS, ILLINOIS 62038
 618.282.8500 (918.282.8515 (F))
 IL STATE CERTIFICATE OF AUTHORITY
 NO. 184-000191-010

LANDSCAPE
 PLANNING DESIGN STUDIO
286 SUTTON BOULEVARD, SUITE 1
 ST. LOUIS, MISSOURI 63144
 314.241.3600 (918.241.3603 (F))

STRUCTURAL
 KREHER ENGINEERING, INC.
206 NORTH MAIN STREET
 COLUMBIA, ILLINOIS 62202
 618.282.8500 (918.282.8515 (F))
 IL STATE CERTIFICATE OF AUTHORITY
 NO. 184-00419-0001

M.E.P.
 SSC ENGINEERING, INC.
12015 TOLON AVENUE
 CHESTERFIELD, MISSOURI 63005
 636.282.7700 (918.282.8515 (F))
 IL STATE CERTIFICATE OF AUTHORITY
 NO. 184004678-0006

AQUATIC
 COUNSLMAN-HUNSAKER & ASSOCIATES
1206 S. MANAHOCHSTER ROAD, SUITE 120
 ST. LOUIS, MISSOURI 63105
 314.884.1245 (918.314.884.0109 (F))
 IL STATE CERTIFICATE OF AUTHORITY
 NO. 184-004704-002

KEVIN W. MEYER - ARCHITECT
 IL BA-2020000289
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DATE 02/14/2024

NO	DATE	ISSUANCE DESCRIPTION
0	12.22.2023	IDPH SUBMISSION #1
1	02.14.2024	ISSUED FOR BID / PERMIT
3	02.29.2024	ADDENDUM #2

**O'FALLON COMMUNITY PARK ENHANCEMENTS
 - NEW POOL AND AMPHITHEATER (PHASE 1)**

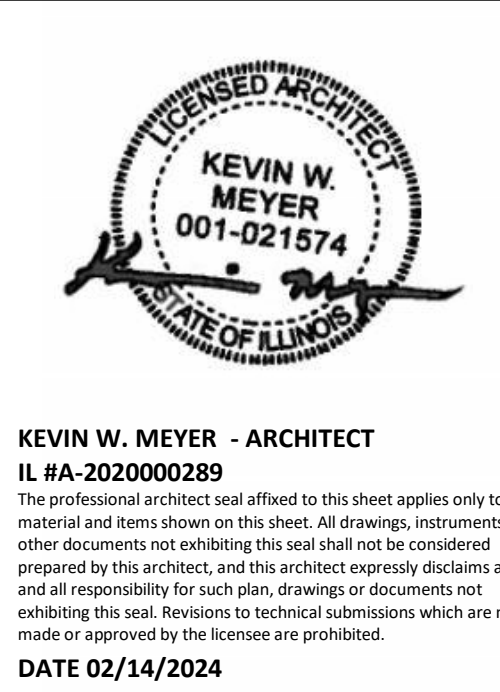
O'FALLON PARKS & RECREATION
 411 E. 5TH STREET, O'FALLON, IL 62269

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**ENLARGED PLANS AND
 INTERIOR ELEVATIONS**

SHEET NO. **A4.7**

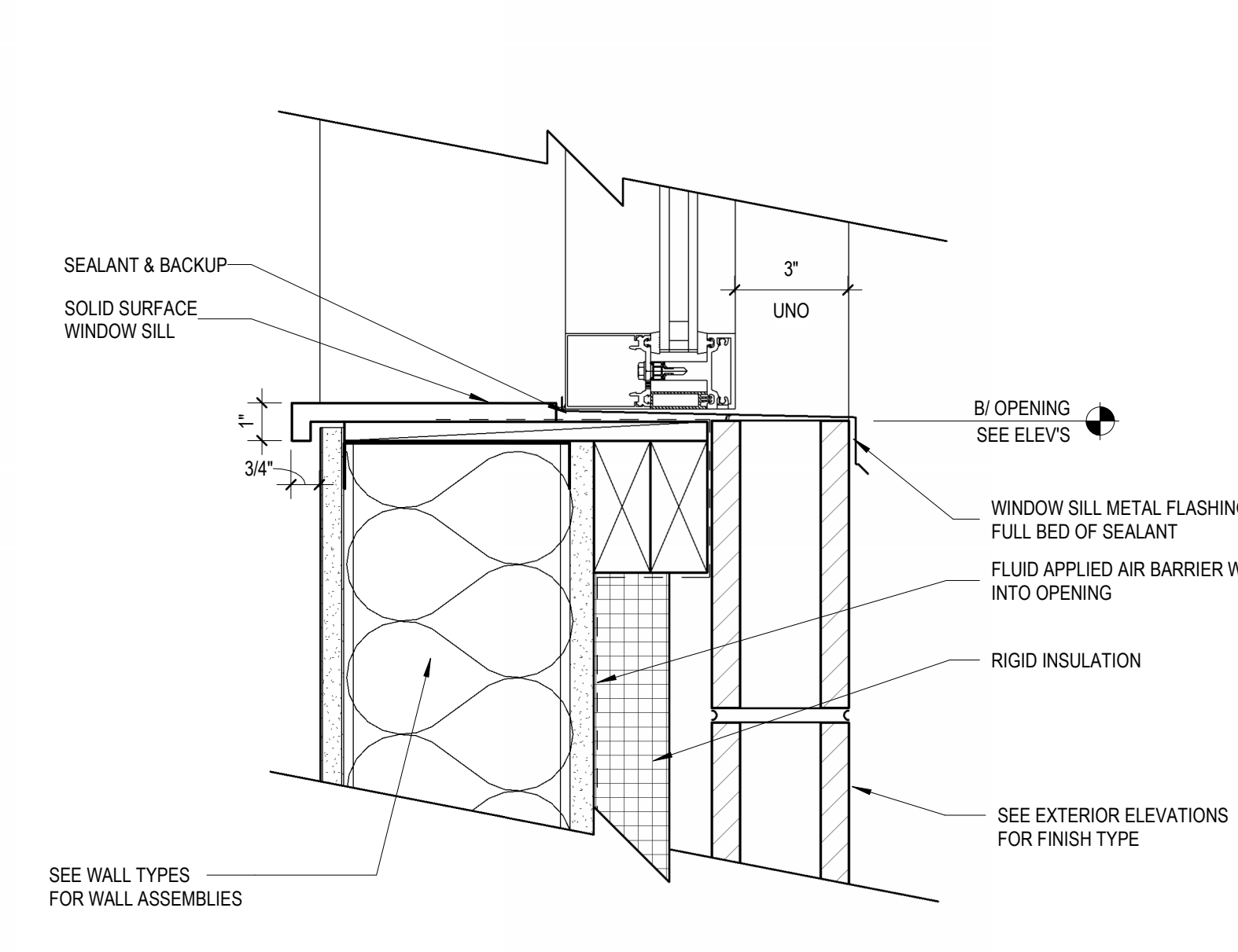
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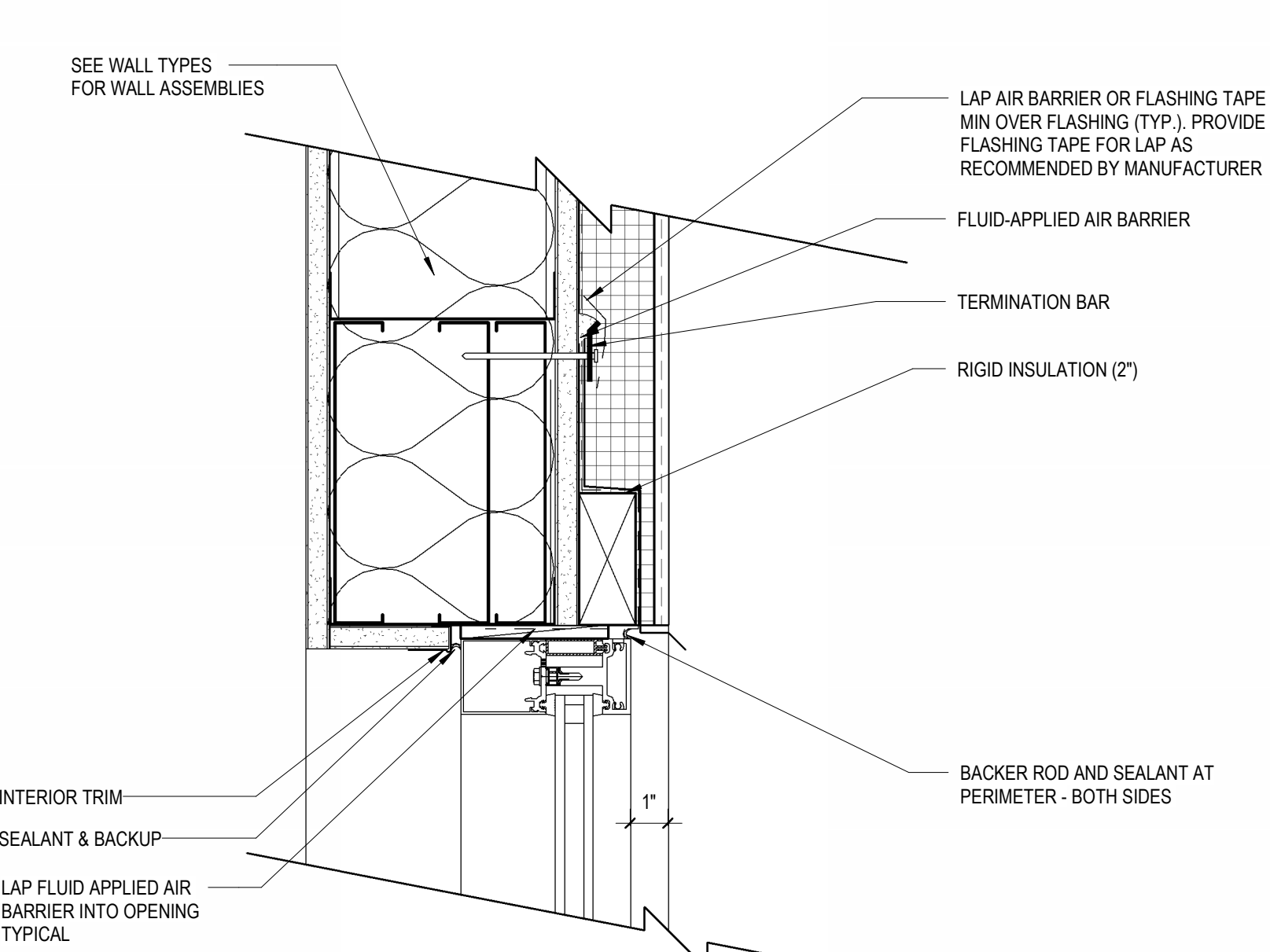
KEVIN W. MEYER - ARCHITECT ILL. RA-202000289 The professional architect seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments or other documents not exhibiting this seal shall not be considered prepared by this architect, and this architect expressly disclaims any and all responsibility for such plans, drawings or documents not exhibiting this seal. Revisions to technical submissions which are not made or approved by this licensee are prohibited. DATE 02/14/2024

Table with columns: NO, DATE, ISSUANCE, DESCRIPTION. Row 0: 12.22.2023 IDPH SUBMISSION #1. Row 1: 02.14.2024 ISSUED FOR BID/ PERMIT. Row 2: 02.29.2024 ADDENDUM #2.

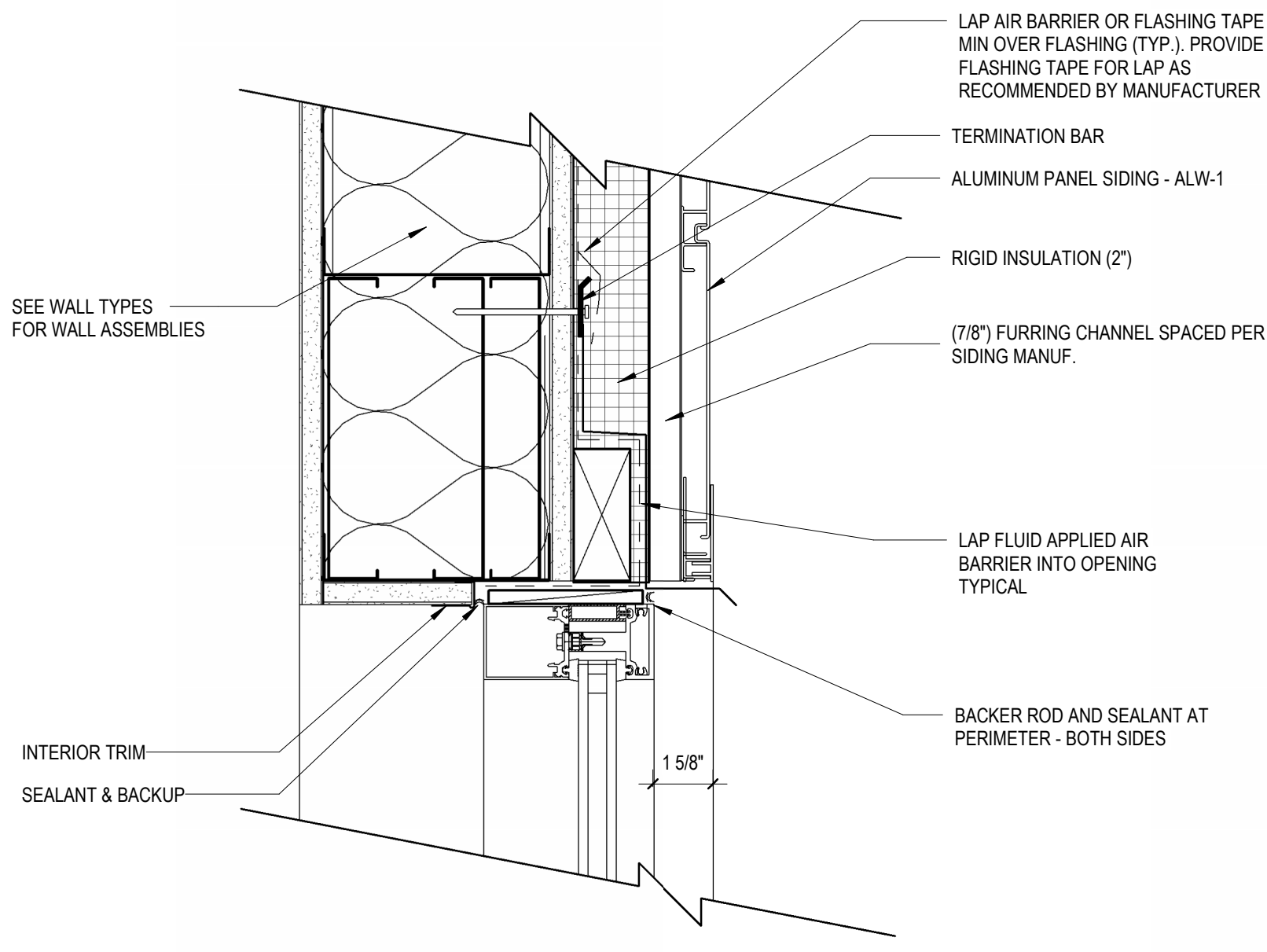
O'FALLON COMMUNITY PARK ENHANCEMENTS - NEW POOL AND AMPHITHEATER (PHASE 1) O'FALLON PARKS & RECREATION 411 E. 5TH STREET, O'FALLON, IL 62269 ISSUED FOR BID/ PERMIT



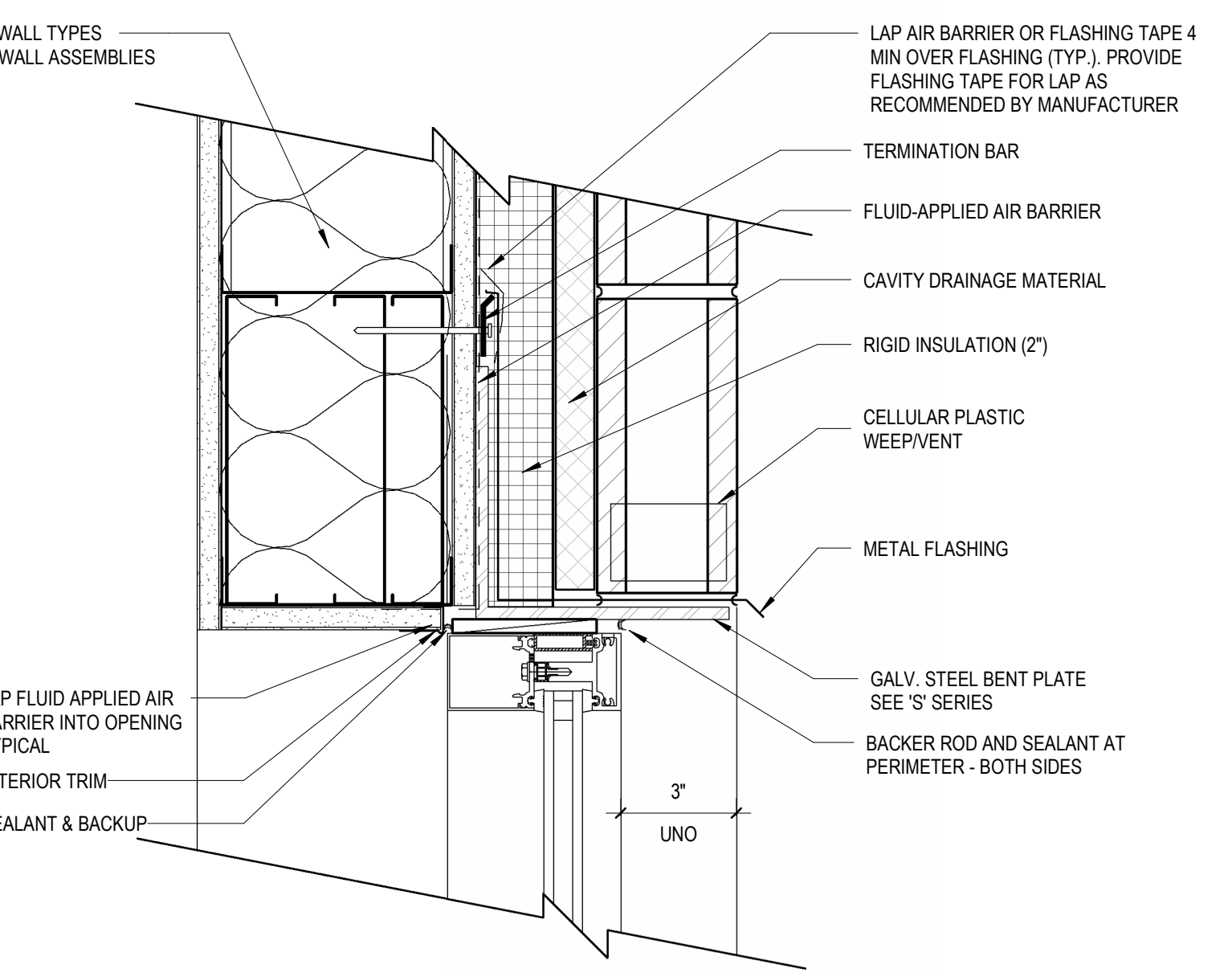
SF-S1 STOREFRONT SILL DETAIL - EXTERIOR MASONRY 3" = 1'-0"



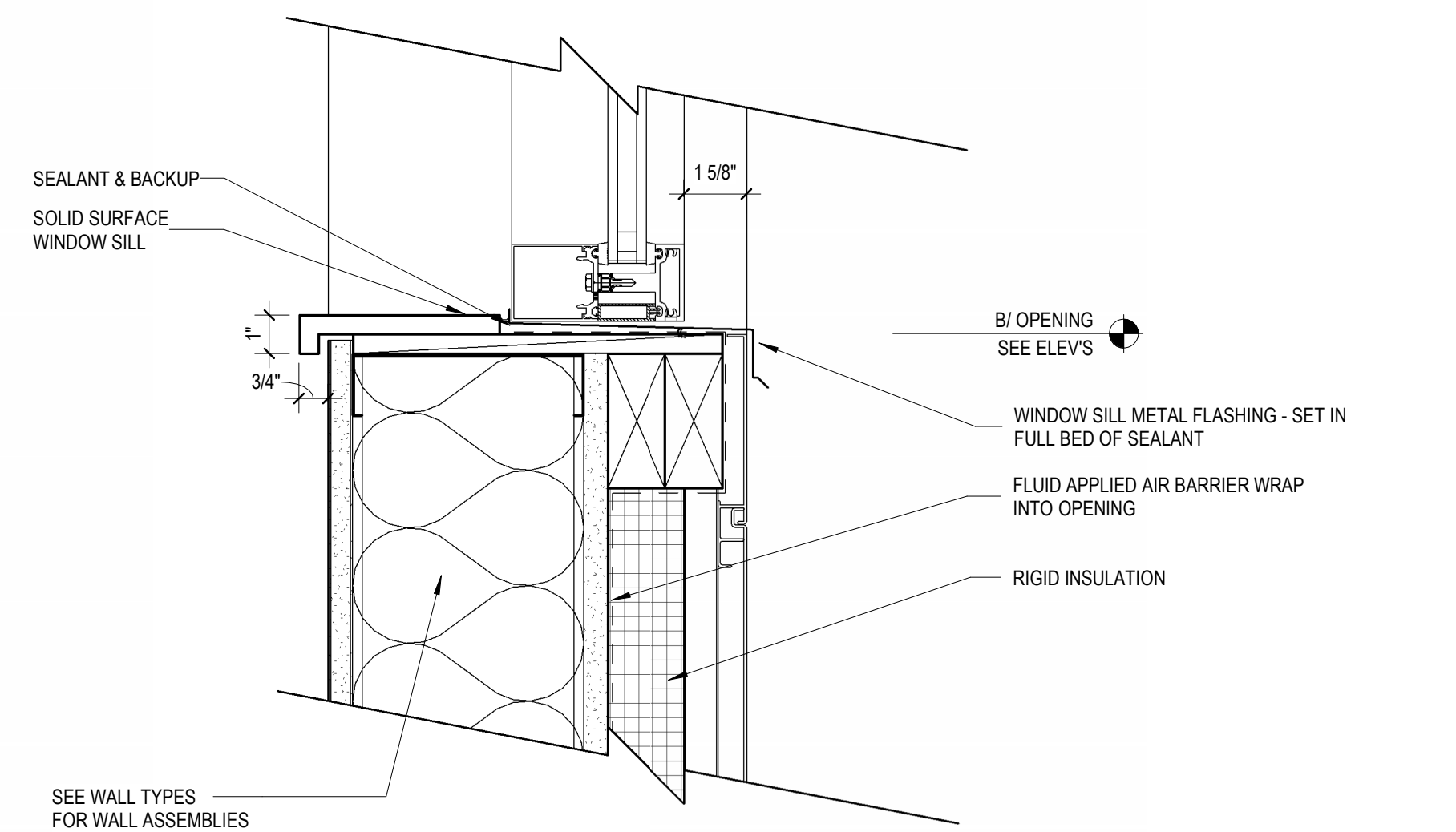
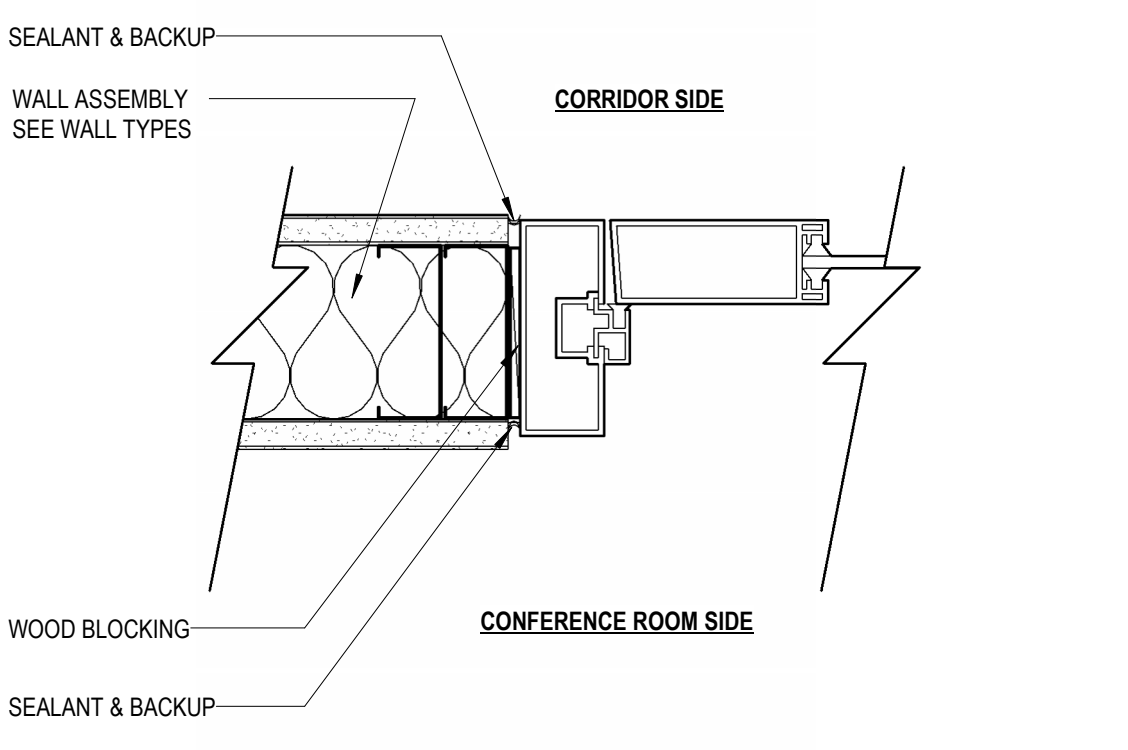
SF-H3 STOREFRONT HEAD DETAIL - EIFS-1 3" = 1'-0"



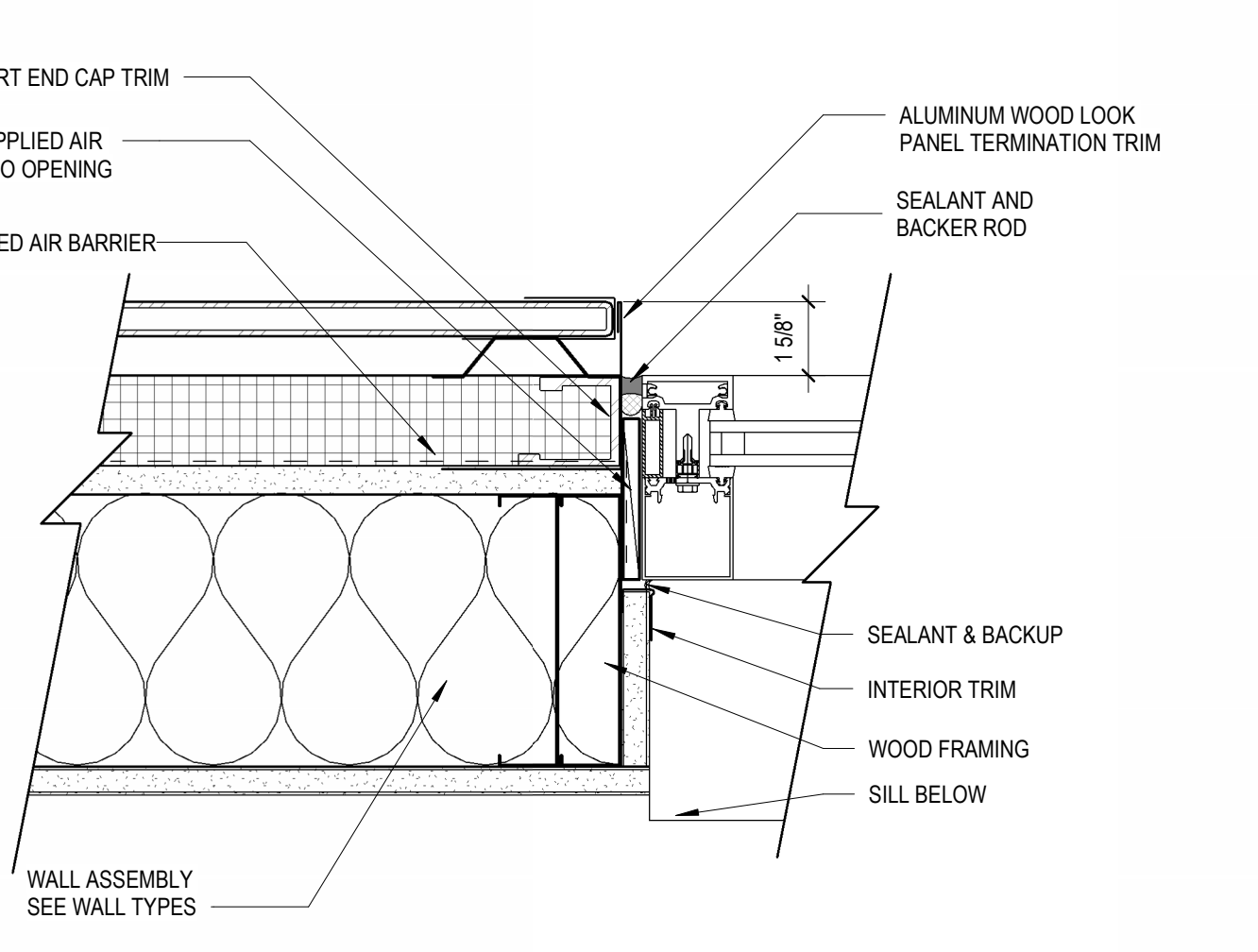
SF-H2 STOREFRONT HEAD DETAIL - ALW-1 PANELS 3" = 1'-0"



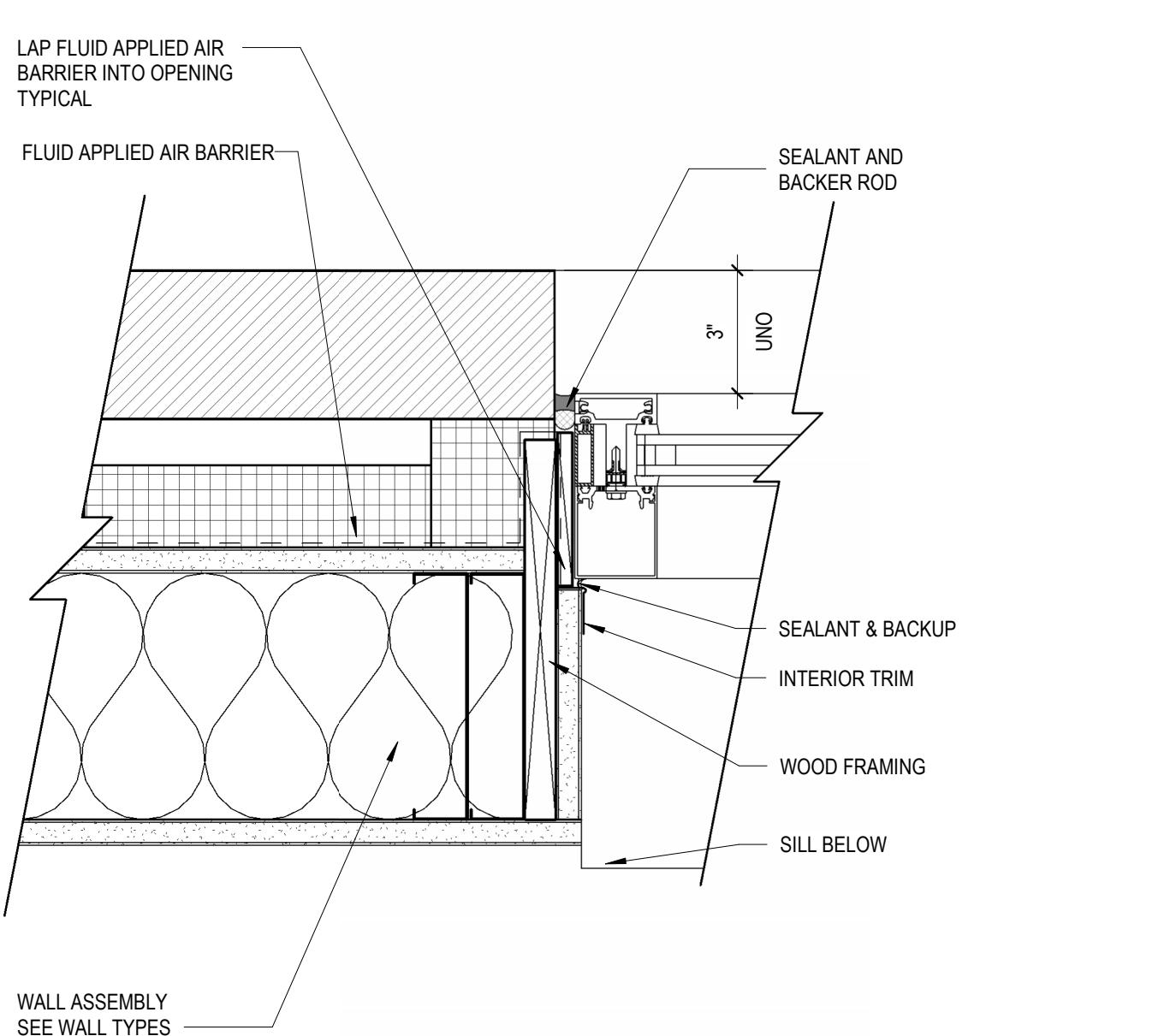
SF-H1 STOREFRONT HEAD DETAIL - EXTERIOR MASONRY 3" = 1'-0"



SF-S1 STOREFRONT SILL DETAIL - EXTERIOR MASONRY 3" = 1'-0"

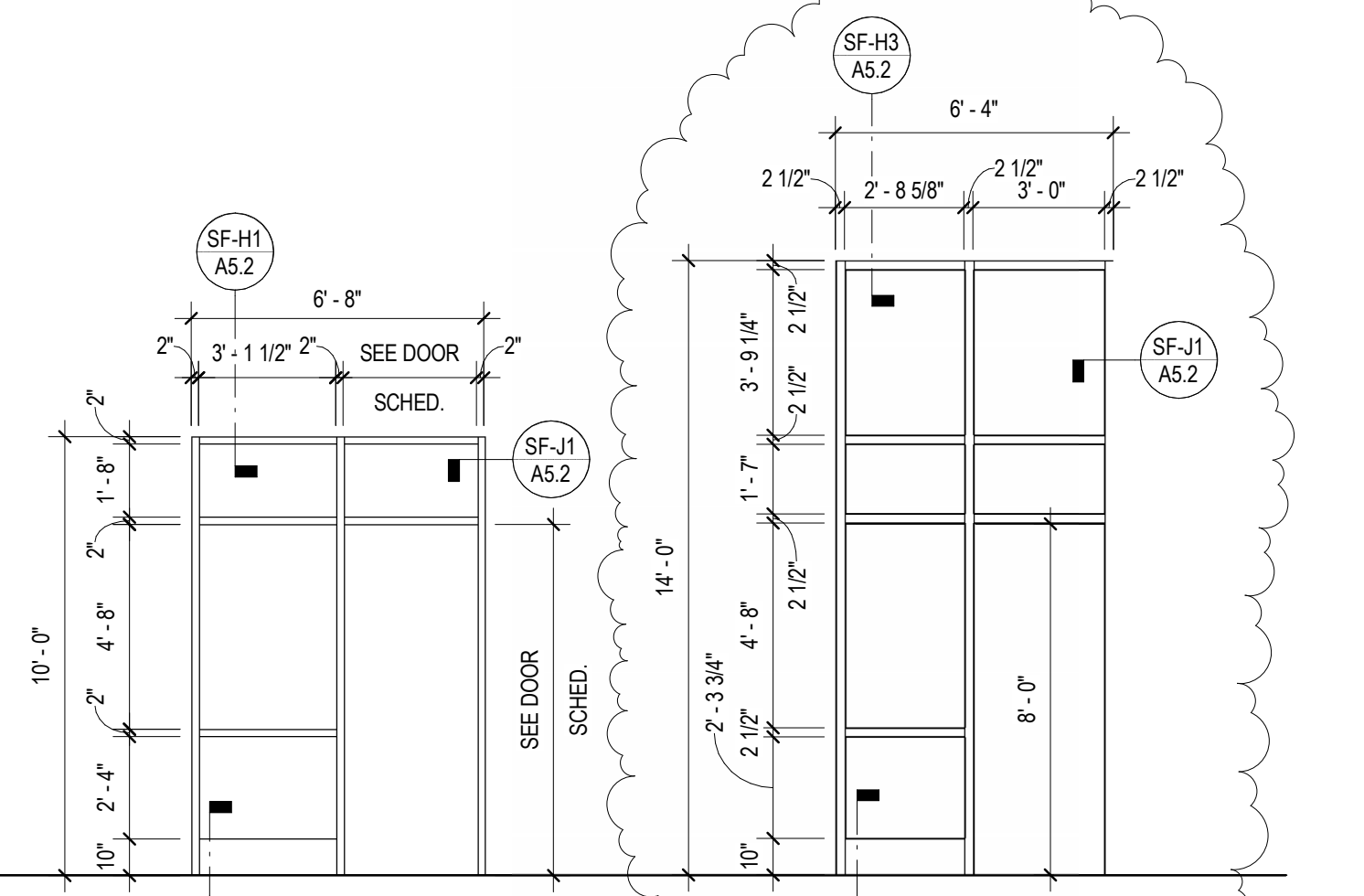


SF-H2 STOREFRONT HEAD DETAIL - ALW-1 PANELS 3" = 1'-0"

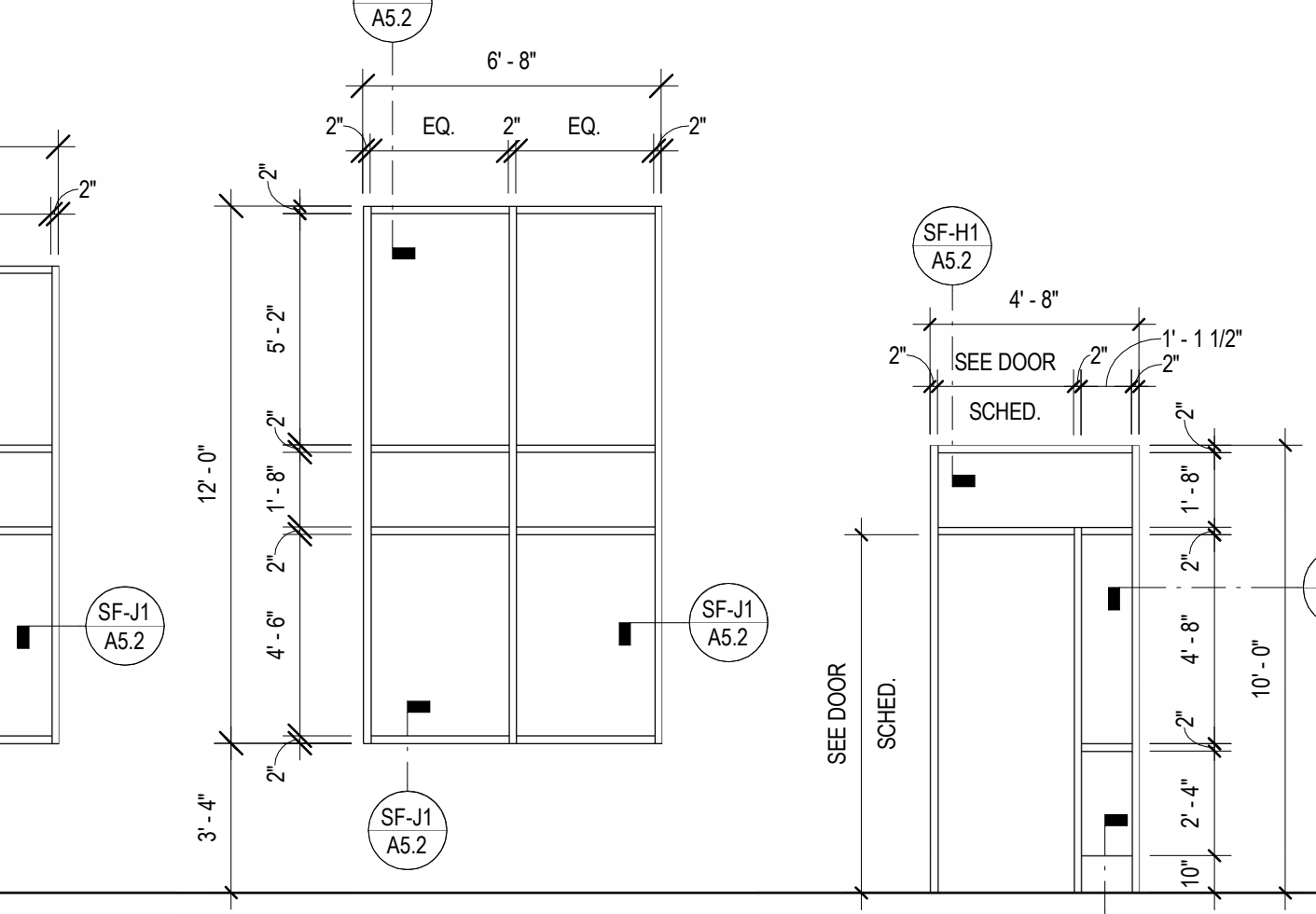


SF-H1 STOREFRONT HEAD DETAIL - EXTERIOR MASONRY 3" = 1'-0"

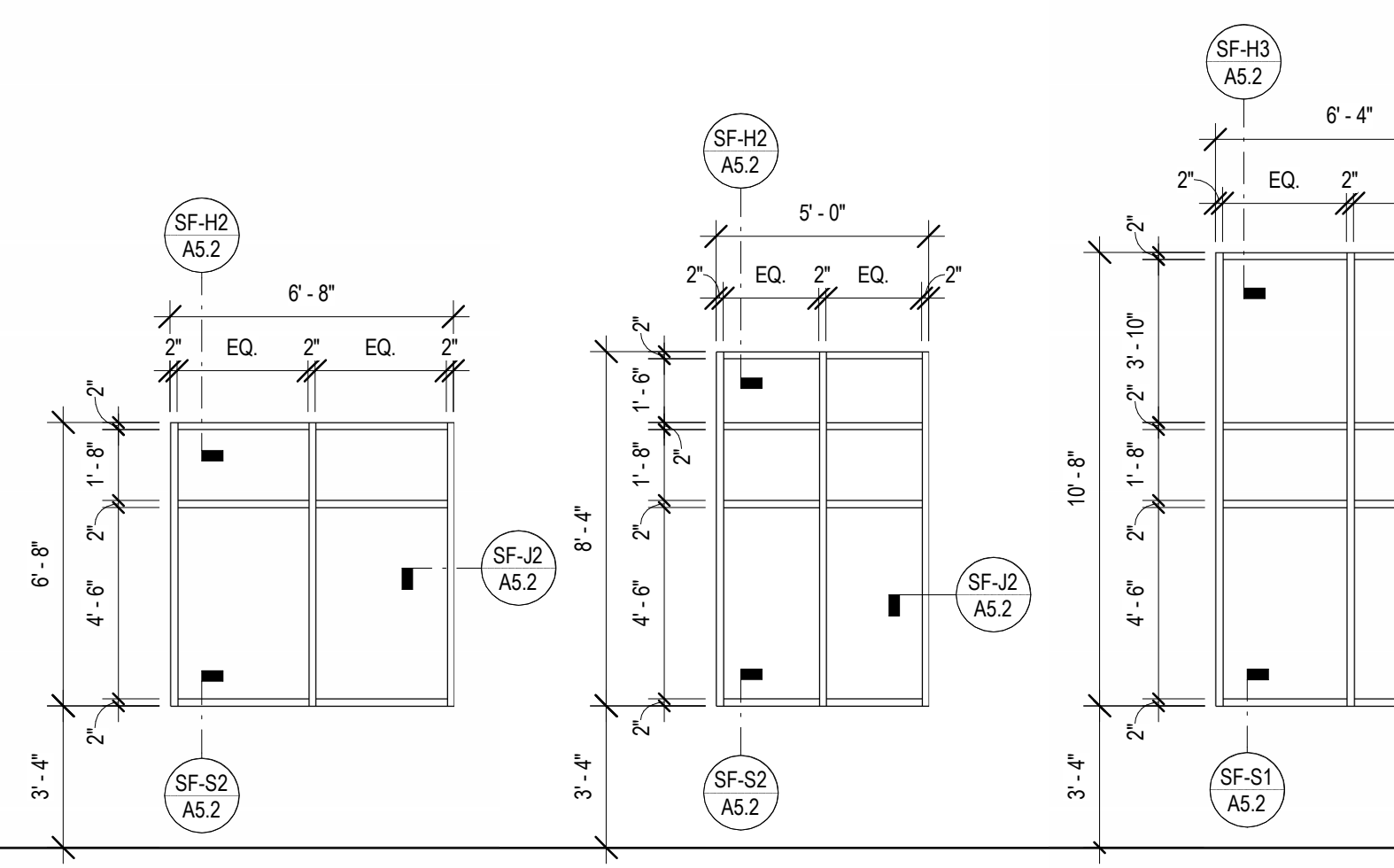
3 SF DETAIL - TYPICAL INT STUD/GYP DOOR JAMB 3" = 1'-0"



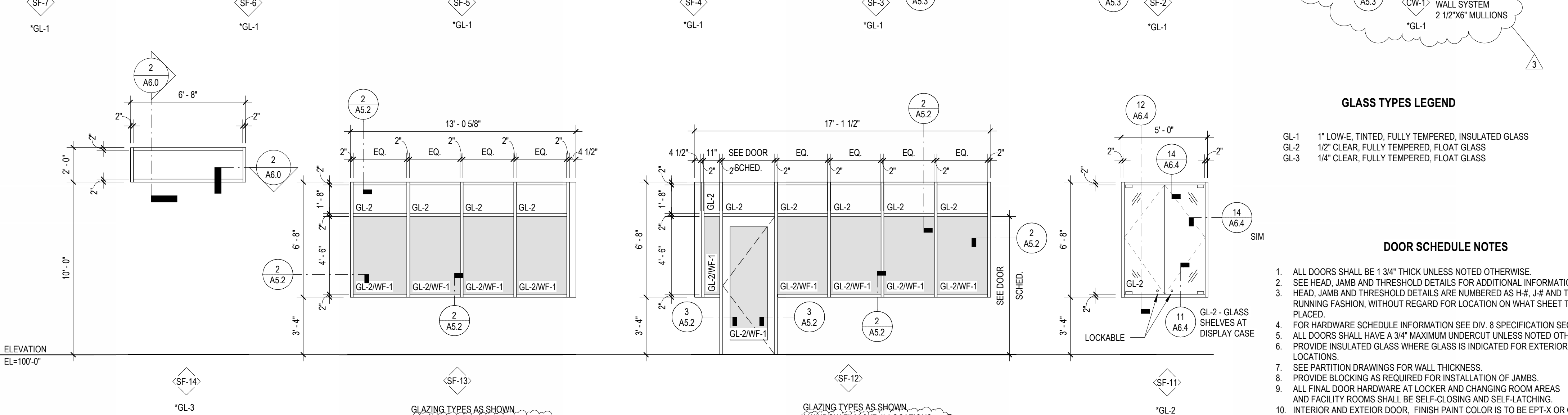
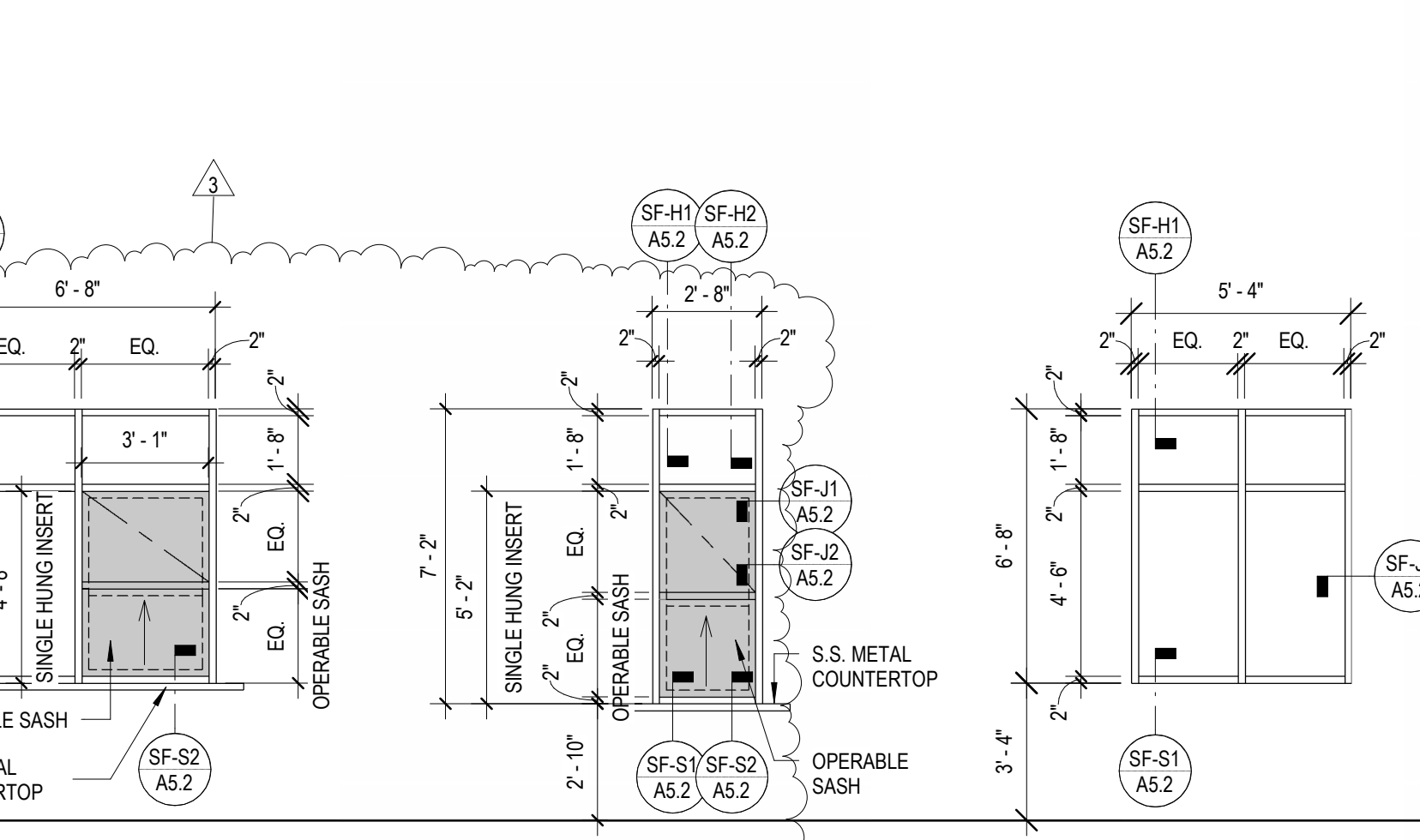
SF-S2 STOREFRONT SILL DETAIL - ALW-1 3" = 1'-0"



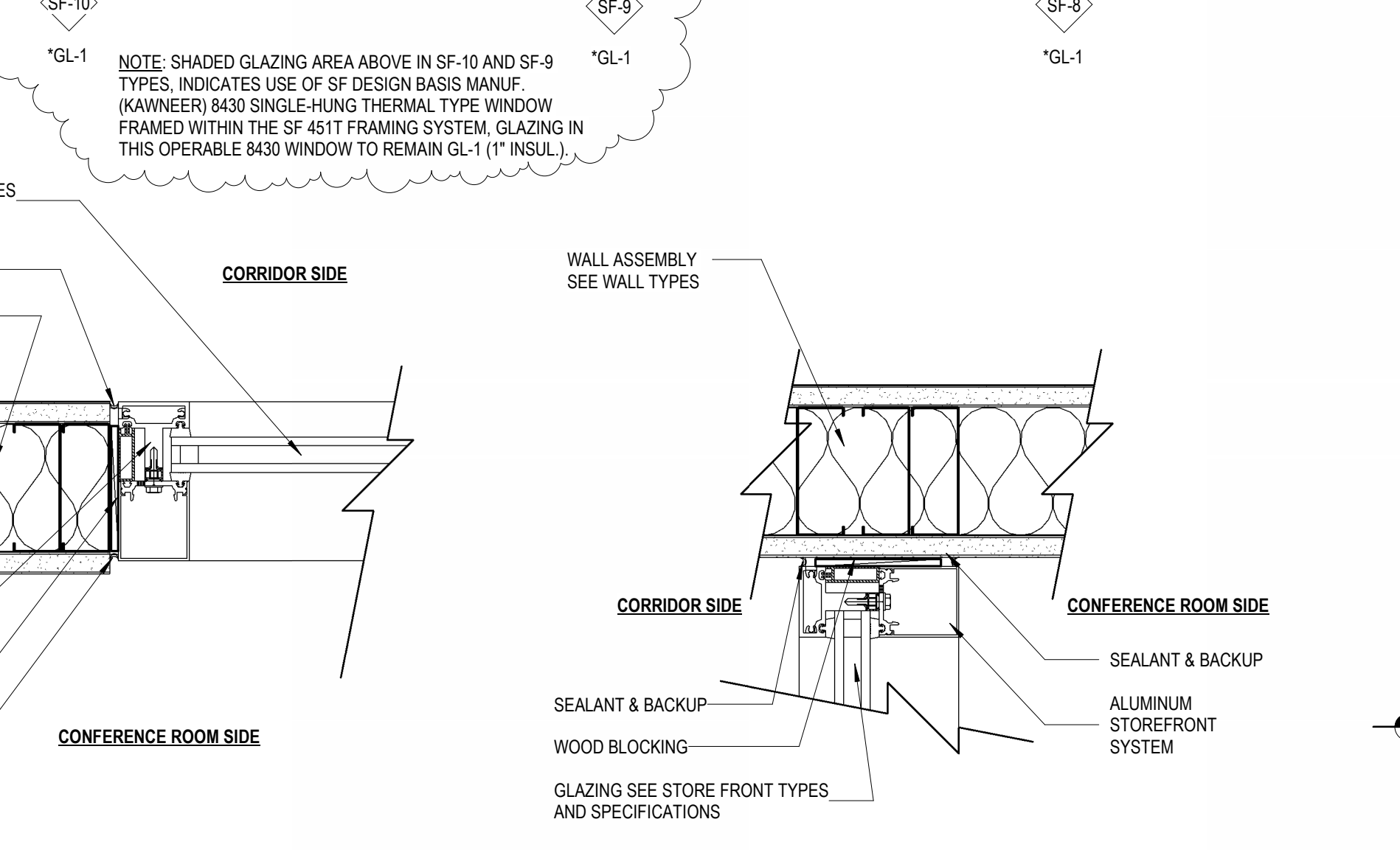
SF-J2 STOREFRONT JAMB DETAIL - ALW-1 PANELS 3" = 1'-0"



SF-J1 STOREFRONT JAMB DETAIL - EXTERIOR MASONRY 3" = 1'-0"



1 STOREFRONT TYPES 1/4" = 1'-0"



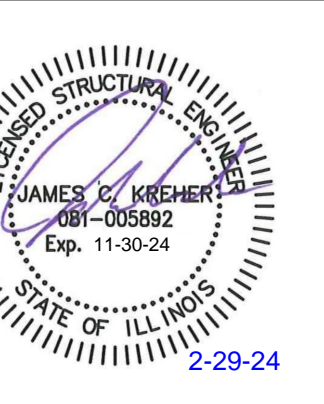
2 SF DETAIL - TYPICAL INT STUD/GYP 3" = 1'-0"

GLAZING SEE STORE FRONT TYPES AND SPECIFICATIONS

GLAZING TYPES AS SHOWN - WINDOW FILM (WF-1) LOCATIONS NOTED AND WHERE SHOWN SHADED

GLAZING TYPES AS SHOWN - WINDOW FILM (WF-1) LOCATIONS NOTED AND WHERE SHOWN SHADED

GLAZING TYPES AS SHOWN - WINDOW FILM (WF-1) LOCATIONS NOTED AND WHERE SHOWN SHADED

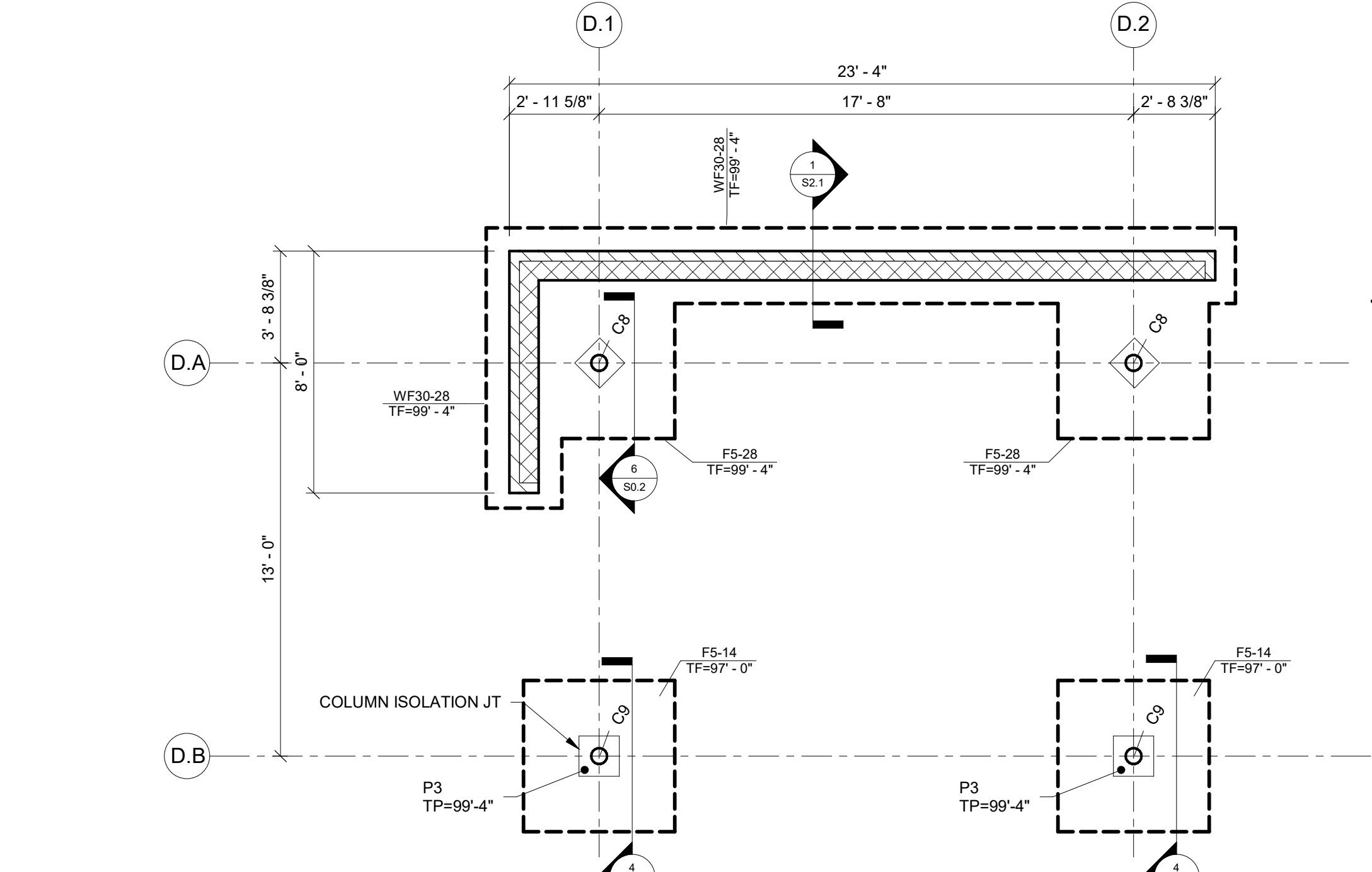
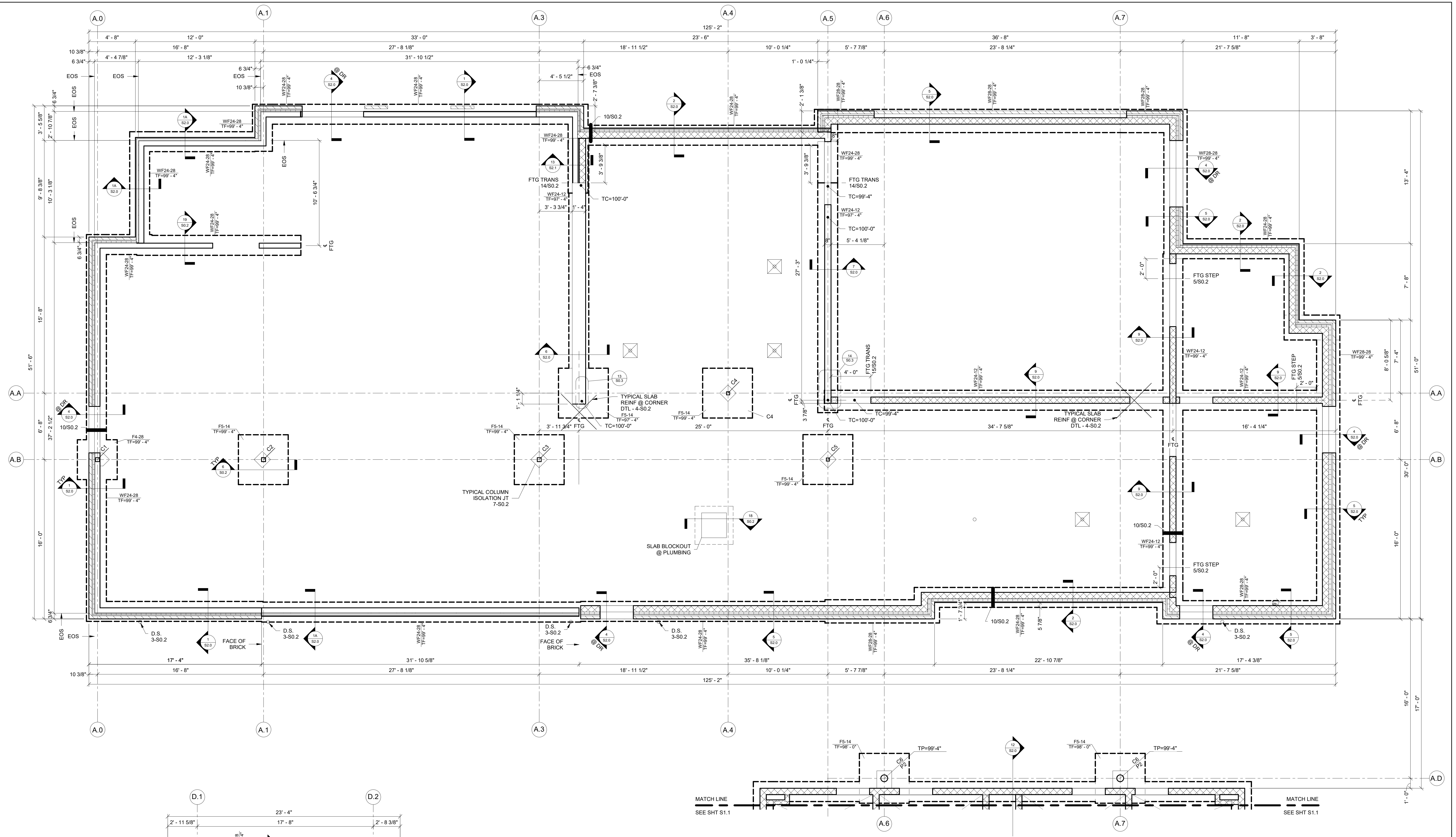


JAMES C. KREHER - ENGINEER
081.005892
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NO	DESCRIPTION
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**O'FALLON COMMUNITY PARK ENHANCEMENTS
- NEW POOL AND AMPHITEATER (PHASE 1)**
O'FALLON PARKS & RECREATION
411 E. 5TH STREET, O'FALLON, IL 62269
ISSUED FOR BID/ PERMIT

**FOUNDATION PLAN AREA
A-D**
SHEET NO.
S1.0
JOB NO. 23-3773.01
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FOUNDATION PLAN AREA D

- 1/4" = 1'-0"
- SLAB CONSTRUCTION: SEE CIVIL DRAWINGS
 - ELEVATIONS ARE REFERENCED FROM FINISH FLOOR SLAB ELEVATION OF 100'-0". SEE ARCHITECTURAL OR SITE DRAWINGS FOR ACTUAL SITE ELEVATIONS.
 - ALL FOOTINGS ARE TO BE CENTERED UNDER WALLS AND/OR COLUMNS.
 - CONTINUOUS FOOTINGS HAVE BEEN PROPORTIONED FOR A NET ALLOWABLE BEARING PRESSURE OF 2250 PSF. ISOLATED FOOTING HAVE BEEN PROPORTIONED FOR A NET ALLOWABLE BEARING PRESSURE OF 2250 PSF. BEARING PRESSURE SHALL BE VERIFIED BY A GEOTECHNICAL ENGINEER BEFORE FOOTINGS ARE PLACED. CONTRACTOR SHALL REMOVE AND REPLACE UNACCEPTABLE SOILS IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. ALL SOILS WHICH "PUMP" SHALL BE REMOVED.
 - FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATION AND CONDITIONS. NOTIFY ARCHITECT/ENGINEER IF ACTUAL EXISTING CONDITIONS CONFLICT WITH THE INFORMATION SHOWN OR IMPLIED ON THE DRAWINGS.

SUNSHADE FOUNDATION DETAIL
SEE SECTION 12-S2.1

FOOTING SCHEDULE

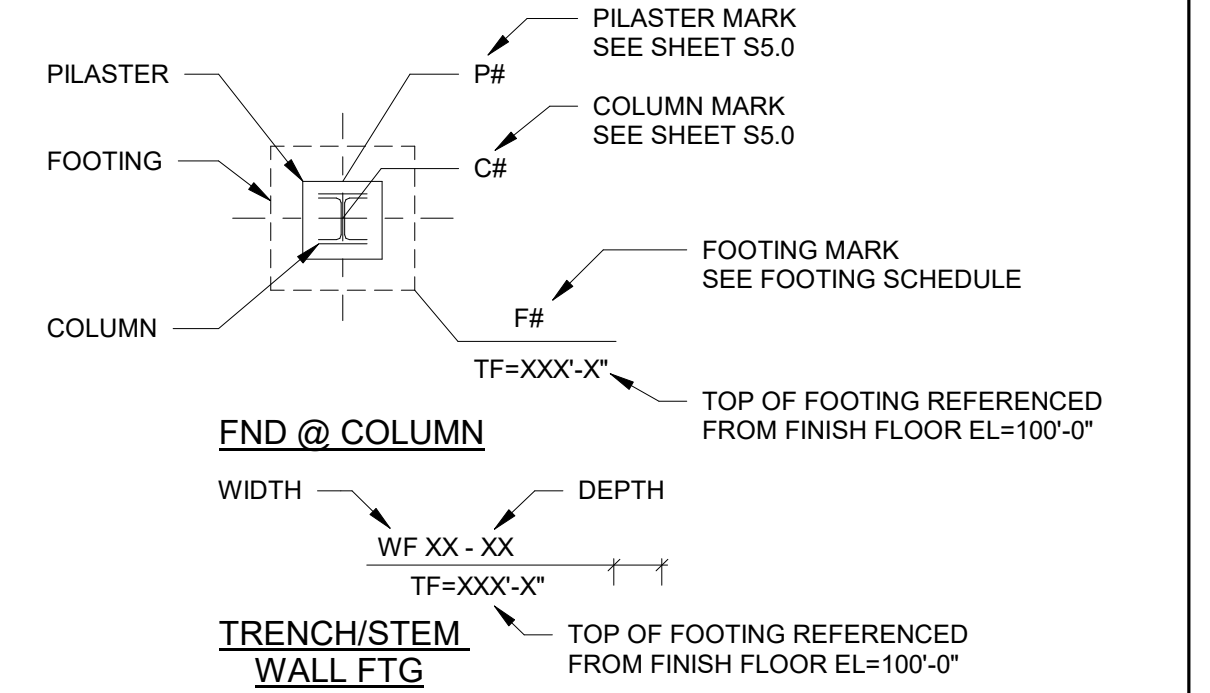
MARK	LENGTH	WIDTH	THICK	LONGITUDINAL REINFORCING	TRANSVERSE REINFORCING
F4-28	4'-0"	4'-0"	2'-4"	5) #5 x 3'-6" LG @ TOP/BOTT	5) #5 x 3'-6" LG @ TOP/BOTT
F5-14	5'-0"	5'-0"	1'-2"	6) #5 x 4'-6" LG E.W. @ TOP	6) #5 x 4'-6" LG E.W. @ BOTT
F5-28	5'-0"	5'-0"	2'-4"	6) #5 x 4'-6" LG E.W. @ TOP/BOTT	6) #5 x 4'-6" LG E.W. @ TOP/BOTT

FOUNDATION PLAN AREA A

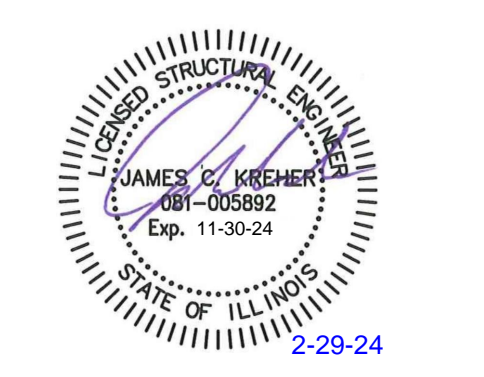
- 1/4" = 1'-0"
- SLAB CONSTRUCTION: 4" CONCRETE SLAB ON GRADE REINFORCED W/ 6X6-W1.4XW1.4 WWF FABRIC OVER MINIMUM 15 MIL VAPOR BARRIER (ASTM E 1745 CLASS A) AND 4" COMPACTED GRANULAR FILL (< 5% FINES). VAPOR BARRIER SHALL BE PLACED BETWEEN THE CONCRETE SLAB AND GRAVEL UNLESS OTHERWISE NOTED. CONTRACTOR SHALL TAKE NECESSARY ACTIONS TO AVOID SLAB CURLING. REFER TO THE PROJECT SPECIFICATION MANUAL FOR REQUIRED PERFORMANCE FOR VAPOR BARRIER.
 - ELEVATIONS ARE REFERENCED FROM FINISH FLOOR SLAB ELEVATION OF 100'-0". SEE ARCHITECTURAL OR SITE DRAWINGS FOR ACTUAL SITE ELEVATIONS.
 - ALL FOOTINGS ARE TO BE CENTERED UNDER WALLS AND/OR COLUMNS.
 - SLAB CONTROL AND CONSTRUCTION JOINTS MAY BE INTERCHANGED AT CONTRACTOR'S OPTION, UNLESS OTHERWISE NOTED: SEE SECTION 1-S0.2.
 - CONTINUOUS FOOTINGS HAVE BEEN PROPORTIONED FOR A NET ALLOWABLE BEARING PRESSURE OF 2250 PSF. ISOLATED FOOTING HAVE BEEN PROPORTIONED FOR A NET ALLOWABLE BEARING PRESSURE OF 2250 PSF. BEARING PRESSURE SHALL BE VERIFIED BY A GEOTECHNICAL ENGINEER BEFORE FOOTINGS ARE PLACED. CONTRACTOR SHALL REMOVE AND REPLACE UNACCEPTABLE SOILS IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. ALL SOILS WHICH "PUMP" SHALL BE REMOVED.
 - FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATION AND CONDITIONS. NOTIFY ARCHITECT/ENGINEER IF ACTUAL EXISTING CONDITIONS CONFLICT WITH THE INFORMATION SHOWN OR IMPLIED ON THE DRAWINGS.

WALL FOOTING SCHEDULE

MARK	WIDTH	DEPTH	LONGITUDINAL REINFORCING	TRANSVERSE REINFORCING
WF24-12	2'-0"	1'-0"	2) #5s CONT @ BOTT	#3 TIES @ 72" o.c.
WF24-28	2'-0"	2'-4"	2) #5s CONT @ TOP/BOTT	#3 TIES @ 72" o.c.
WF28-28	2'-4"	2'-4"	3) #5s CONT @ TOP/BOTT	#3 TIES @ 72" o.c.
WF30-12	2'-6"	1'-0"	3) #5s CONT @ BOTT	#3 TIES @ 72" o.c.
WF30-28	2'-6"	2'-4"	3) #5s CONT @ TOP/BOTT	#3 TIES @ 72" o.c.
WF34-12	2'-10"	1'-0"	3) #5s CONT @ BOTT	#3 TIES @ 72" o.c.
WF34-24	2'-10"	2'-0"	3) #5s CONT @ TOP/BOTT	#3 TIES @ 72" o.c.
WF42-12	3'-6"	1'-0"	3) #5s CONT @ BOTT	#3 TIES @ 72" o.c.



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081.005892

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**O'FALLON COMMUNITY PARK ENHANCEMENTS
- NEW POOL AND AMPHITHEATER (PHASE 1)**

O'FALLON PARKS & RECREATION
411 E. 5TH STREET, O'FALLON, IL 62269

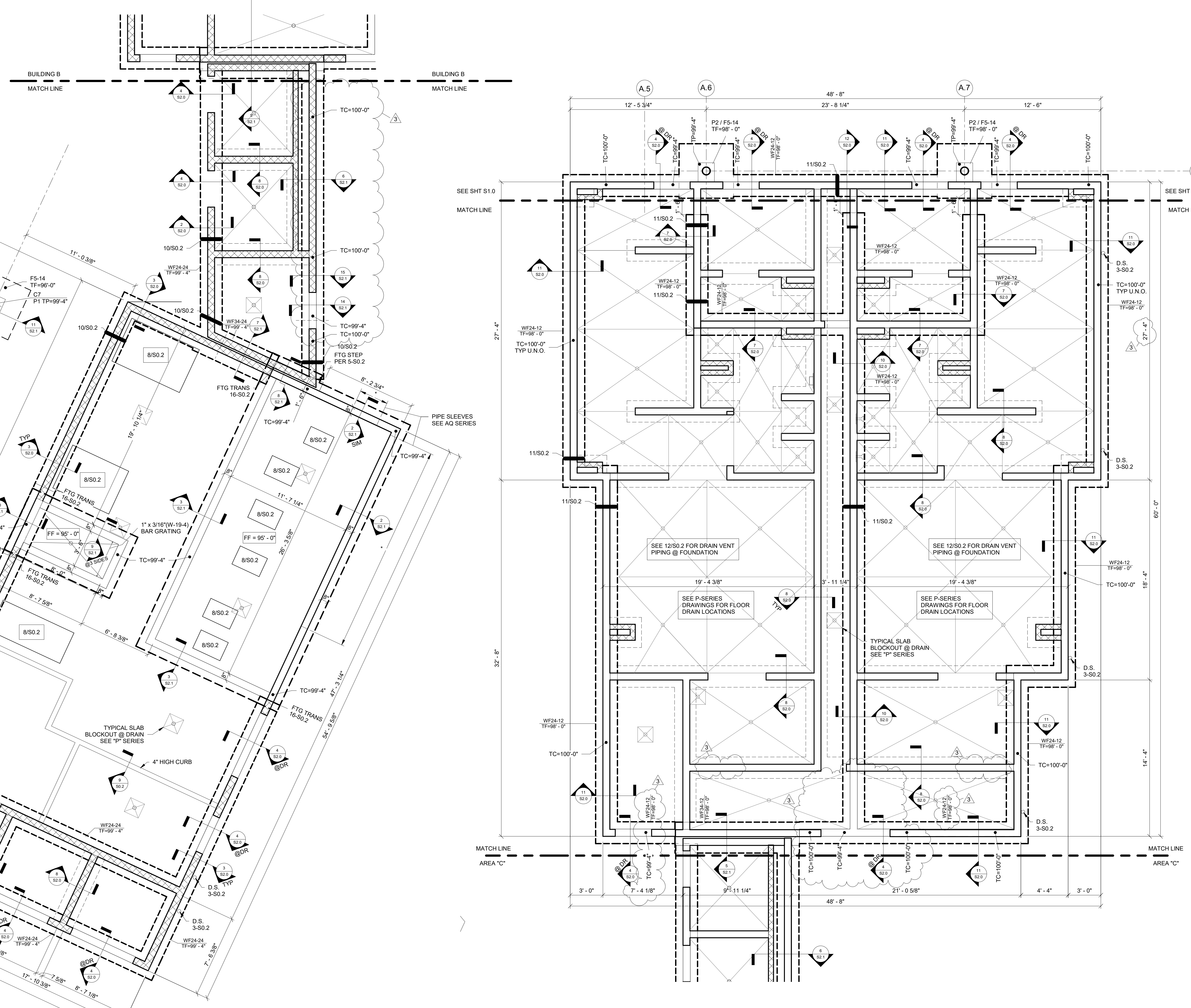
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**FOUNDATION PLAN AREA
B-C**

SHEET NO.
S1.1

MARK	LENGTH	WIDTH	THICK	LONGITUDINAL REINFORCING	TRANSVERSE REINFORCING
F4-28	4'-0"	4'-0"	2'-4"	5) #5 x 3'-6" LG @ TOP/BOTT	5) #5 x 3'-6" LG @ TOP/BOTT
F5-14	5'-0"	5'-0"	1'-2"	6) #5 x 4'-6" LG E.W. @ TOP	6) #5 x 4'-6" LG E.W. @ TOP/BOTT
F5-28	5'-0"	5'-0"	2'-4"	6) #5 x 4'-6" LG E.W. @ TOP/BOTT	6) #5 x 4'-6" LG E.W. @ TOP/BOTT

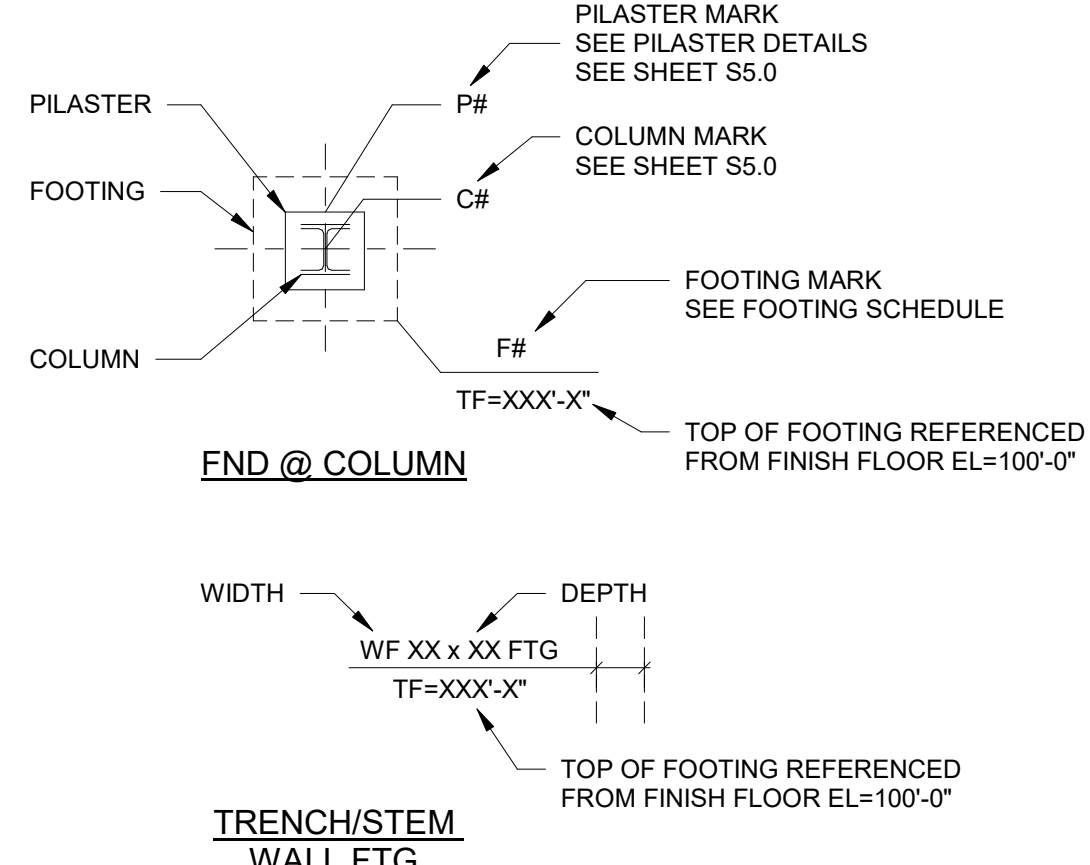
MARK	WIDTH	DEPTH	LONGITUDINAL REINFORCING	TRANSVERSE REINFORCING
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WF24-28	2'-0"	2'-4"	2) #5s CONT @ TOP/BOTT	#3 TIES @ 72" o.c.
WF28-28	2'-4"	2'-4"	3) #5s CONT @ TOP/BOTT	#3 TIES @ 72" o.c.
WF30-12	2'-6"	1'-0"	3) #5s CONT @ BOTT	#3 TIES @ 72" o.c.
WF30-28	2'-6"	2'-4"	3) #5s CONT @ TOP/BOTT	#3 TIES @ 72" o.c.
WF34-12	2'-10"	1'-0"	3) #5s CONT @ BOTT	#3 TIES @ 72" o.c.
WF34-24	2'-10"	2'-0"	3) #5s CONT @ TOP/BOTT	#3 TIES @ 72" o.c.
WF42-12	3'-6"	1'-0"	3) #5s CONT @ BOTT	#3 TIES @ 72" o.c.



FOUNDATION PLAN AREA C

1/4" = 1'-0"

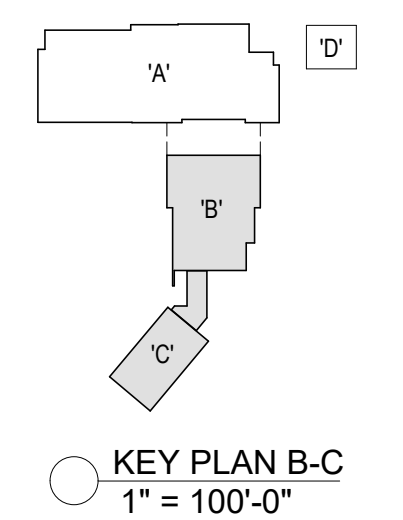
- SLAB CONSTRUCTION: 4" CONCRETE SLAB ON GRADE REINFORCED w/ 6x6-W1.4xW1.4 WWF FABRIC OVER MINIMUM 15 MIL VAPOR BARRIER (ASTM E 1745 CLASS A) AND 4" COMPACTED GRANULAR FILL (< 5% FINES). VAPOR BARRIER SHALL BE PLACED BETWEEN THE CONCRETE SLAB AND GRAVEL UNLESS OTHERWISE NOTED. CONTRACTOR SHALL TAKE NECESSARY ACTIONS TO AVOID SLAB CURLING. REFER TO THE PROJECT SPECIFICATION MANUAL FOR REQUIRED PERFORMANCE FOR VAPOR BARRIER.
- ELEVATIONS ARE REFERENCED FROM FINISH FLOOR SLAB ELEVATION OF 100'-0". SEE ARCHITECTURAL OR SITE DRAWINGS FOR ACTUAL SITE ELEVATIONS.
- ALL FOOTINGS ARE TO BE CENTERED UNDER WALLS AND/OR COLUMNS.
- SLAB CONTROL AND CONSTRUCTION JOINTS MAY BE INTERCHANGED AT CONTRACTOR'S OPTION, UNLESS OTHERWISE NOTED. SEE SECTION 1-SO.2.
- CONTINUOUS FOOTINGS HAVE BEEN PROPORTIONED FOR A NET ALLOWABLE BEARING PRESSURE OF 2250 PSF. ISOLATED FOOTINGS HAVE BEEN PROPORTIONED FOR A NET ALLOWABLE BEARING PRESSURE OF 2250 PSF. BEARING PRESSURE SHALL BE VERIFIED BY A GEOTECHNICAL ENGINEER BEFORE FOOTINGS ARE PLACED. CONTRACTOR SHALL REMOVE AND REPLACE UNACCEPTABLE SOILS IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. ALL SOILS WHICH "PUMP" SHALL BE REMOVED.
- FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATION AND CONDITIONS. NOTIFY ARCHITECT/ENGINEER IF ACTUAL EXISTING CONDITIONS CONFLICT WITH THE INFORMATION SHOWN OR IMPLIED ON THE DRAWINGS.



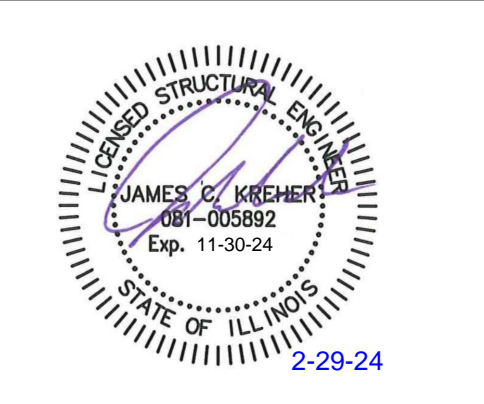
FOUNDATION PLAN AREA B

1/4" = 1'-0"

- SLAB CONSTRUCTION: 4" CONCRETE SLAB ON GRADE REINFORCED w/ 6x6-W1.4xW1.4 WWF FABRIC OVER MINIMUM 15 MIL VAPOR BARRIER (ASTM E 1745 CLASS A) AND 4" COMPACTED GRANULAR FILL (< 5% FINES). VAPOR BARRIER SHALL BE PLACED BETWEEN THE CONCRETE SLAB AND GRAVEL UNLESS OTHERWISE NOTED. CONTRACTOR SHALL TAKE NECESSARY ACTIONS TO AVOID SLAB CURLING. REFER TO THE PROJECT SPECIFICATION MANUAL FOR REQUIRED PERFORMANCE FOR VAPOR BARRIER.
- ELEVATIONS ARE REFERENCED FROM FINISH FLOOR SLAB ELEVATION OF 100'-0". SEE ARCHITECTURAL OR SITE DRAWINGS FOR ACTUAL SITE ELEVATIONS.
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- CONTINUOUS FOOTINGS HAVE BEEN PROPORTIONED FOR A NET ALLOWABLE BEARING PRESSURE OF 2250 PSF. ISOLATED FOOTINGS HAVE BEEN PROPORTIONED FOR A NET ALLOWABLE BEARING PRESSURE OF 2250 PSF. BEARING PRESSURE SHALL BE VERIFIED BY A GEOTECHNICAL ENGINEER BEFORE FOOTINGS ARE PLACED. CONTRACTOR SHALL REMOVE AND REPLACE UNACCEPTABLE SOILS IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. ALL SOILS WHICH "PUMP" SHALL BE REMOVED.
- FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATION AND CONDITIONS. NOTIFY ARCHITECT/ENGINEER IF ACTUAL EXISTING CONDITIONS CONFLICT WITH THE INFORMATION SHOWN OR IMPLIED ON THE DRAWINGS.



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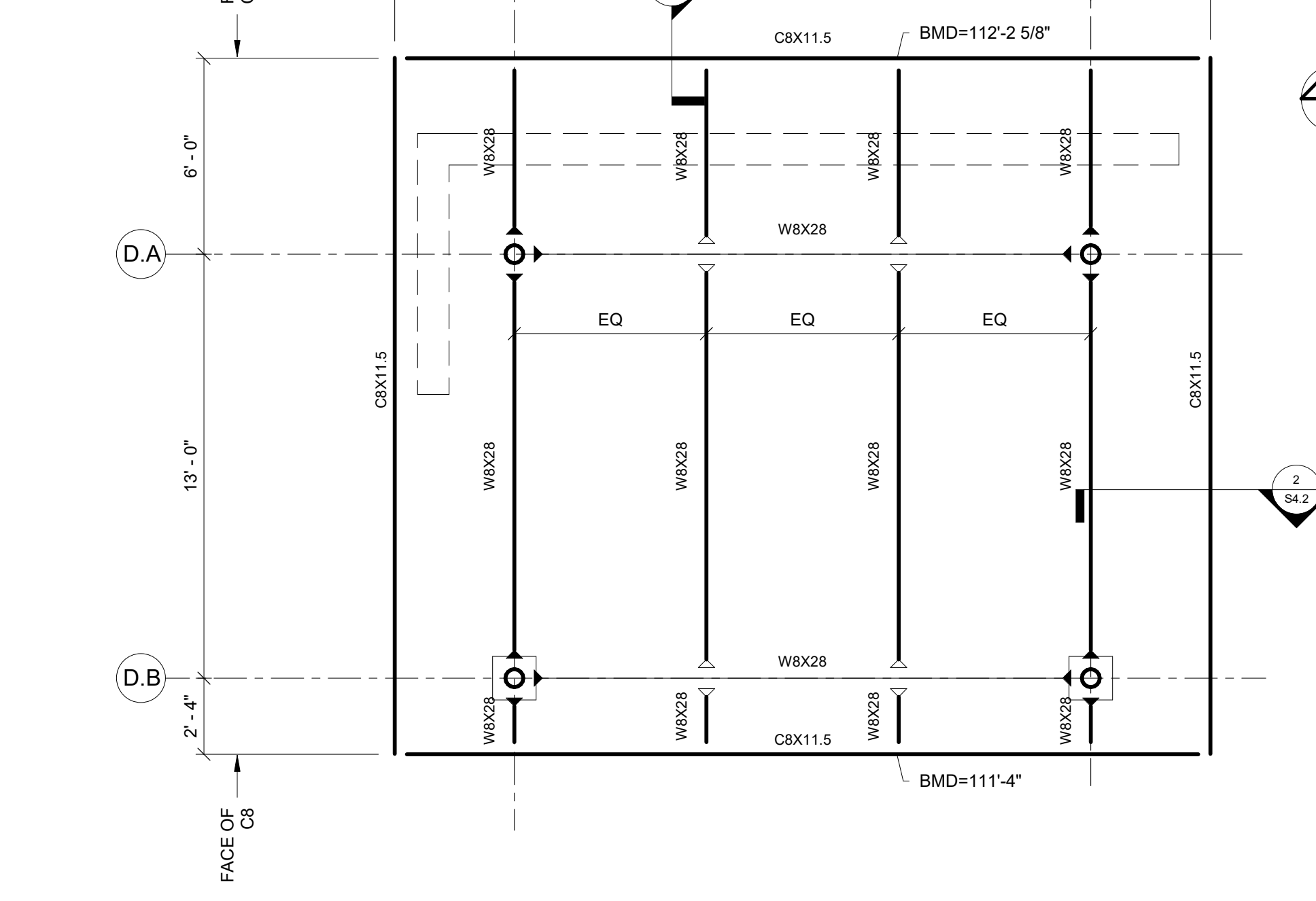
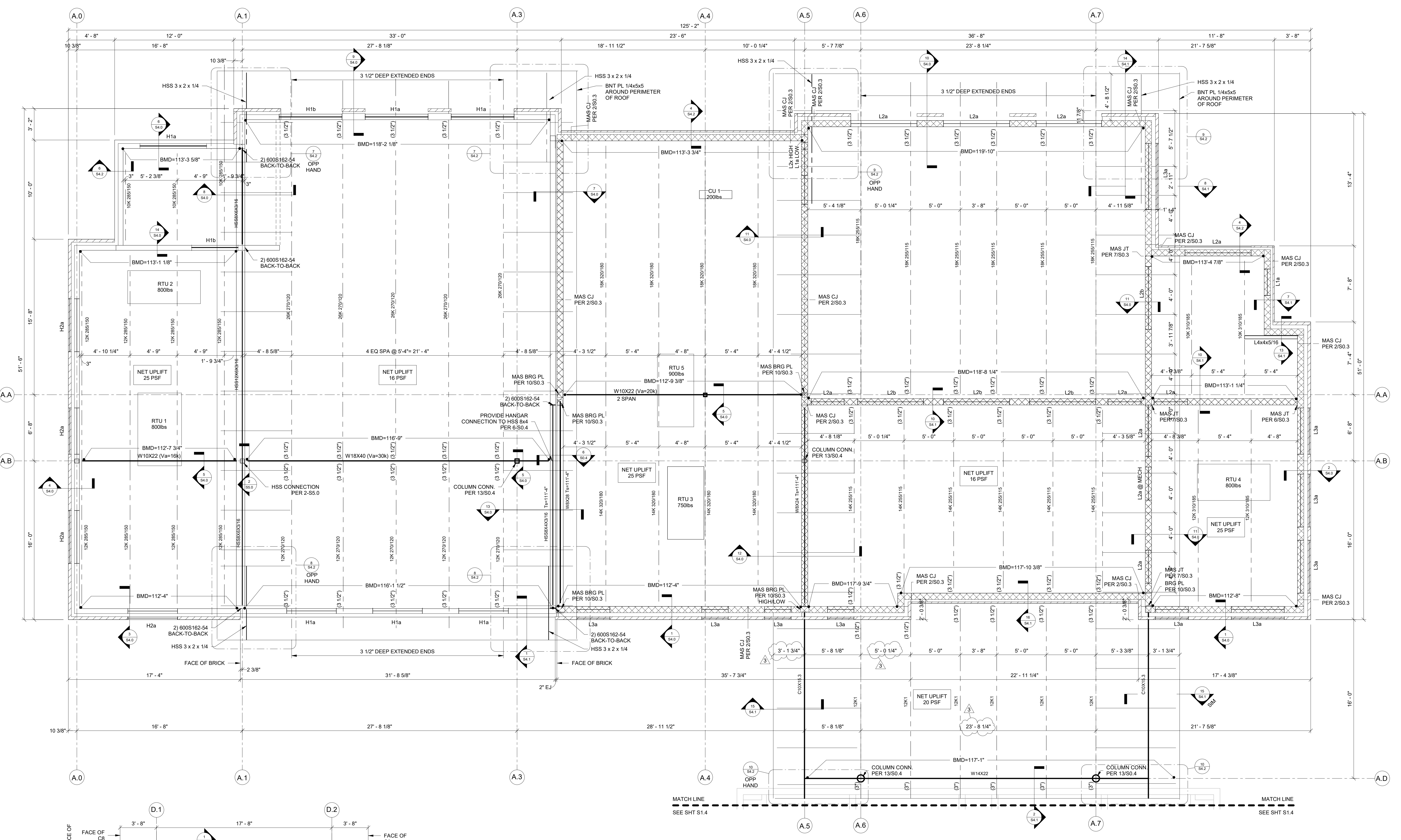


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3	02.29.2024	ADDENDUM #2

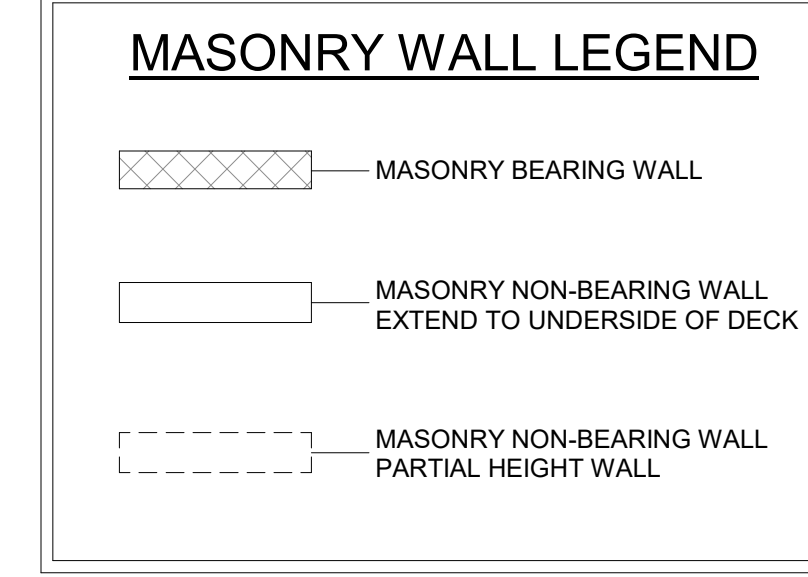
**O'FALLON COMMUNITY PARK ENHANCEMENTS
- NEW POOL AND AMPHITHEATER (PHASE 1)**
O'FALLON PARKS & RECREATION
411 E. 5TH STREET, O'FALLON, IL 62269
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ROOF FRAMING AREA A-D
SHEET NO.
S1.3
JOB NO. 23-3773.01
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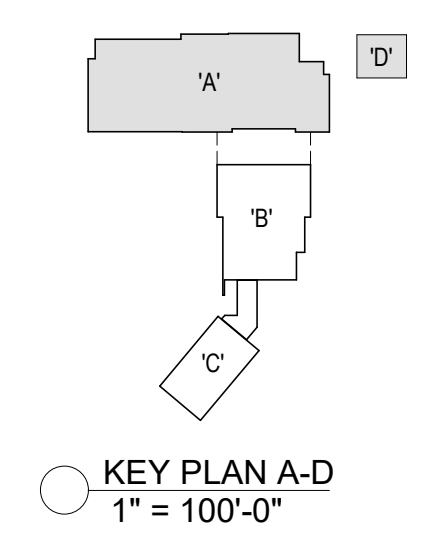
ROOF FRAMING PLAN AREA D

- 1/4" = 1'-0"
- ROOF CONSTRUCTION: 1 1/2" DEEP BY 22 GA WIDE RIB PAINTED METAL DECK INSTALLED AND FABRICATED IN ACCORDANCE WITH SDI SPECIFICATIONS, UNLESS NOTED OTHERWISE. ATTACH DECK PER SECTION 1/50.4
 - BOTTOM OF METAL DECK ELEVATIONS IS REFERENCED FROM FINISH FLOOR ELEVATION EL = 100'-0" AND NOTED THUS (BMD = XXX'-XX")
 - FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS AND CONDITIONS. NOTIFY ARCHITECT/ENGINEER IF ACTUAL EXISTING CONDITIONS CONFLICT WITH THE INFORMATION SHOWN OF IMPLIED ON THE DRAWINGS.
 - DESIGN ROOF LOAD: 51 PSF (DEAD LOAD = 20 PSF + LIVE/SNOW LOAD = 20 PSF + WIND LOAD=10 PSF + FUTURE SOLAR = 8PSF)

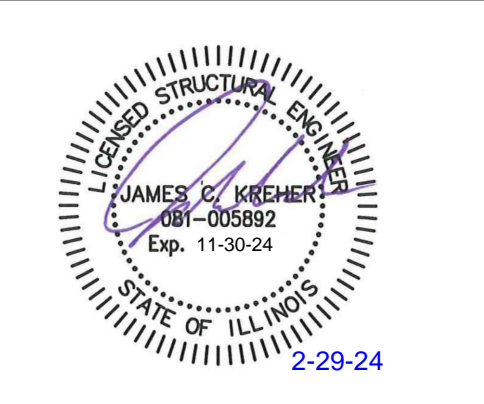


ROOF FRAMING PLAN AREA A

- 1/4" = 1'-0"
- ROOF CONSTRUCTION: 1 1/2" DEEP BY 22 GA WIDE RIB PAINTED METAL DECK INSTALLED AND FABRICATED IN ACCORDANCE WITH SDI SPECIFICATIONS, UNLESS NOTED OTHERWISE. ATTACH DECK PER SECTION 1/50.4
 - BOTTOM OF METAL DECK ELEVATIONS IS REFERENCED FROM FINISH FLOOR ELEVATION EL = 100'-0" AND NOTED THUS (BMD = XXX'-XX")
 - COORDINATE ROOF OPENINGS AND ANGLE FRAMING LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. OPENINGS LARGER THAN 12' x 12' AND RTU CURBS REQUIRE ANGLE FRAMES PER 2/50.4
 - PROVIDE JOIST REINFORCING ANGLE FOR MISCELLANEOUS JOIST LOADS APPLIED TO TOP AND BOTTOM CHORDS PER DETAIL 4/50.4
 - K-SERIES JOIST SEAT DEPTH 2 1/2" UNLESS NOTED (X'X'X") ON PLAN
LH-SERIES JOIST SEAT DEPTH 5" UNLESS NOTED (X'X'X") ON PLAN.
 - JOIST SUPPLIER SHALL DESIGN AND PROVIDE HORIZONTAL JOIST BRIDGING AT TOP AND BOTTOM CHORDS AS PER S/J RECOMMENDATION AND OSHA REQUIREMENTS
 - FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS AND CONDITIONS. NOTIFY ARCHITECT/ENGINEER IF ACTUAL EXISTING CONDITIONS CONFLICT WITH THE INFORMATION SHOWN OF IMPLIED ON THE DRAWINGS.
 - DESIGN ROOF LOAD: 51 PSF (DEAD LOAD = 20 PSF + LIVE/SNOW LOAD = 20 PSF + WIND LOAD=10 PSF + FUTURE SOLAR = 8PSF) SEE PLAN (WIND LOAD NET UPLIFT @ JOIST)



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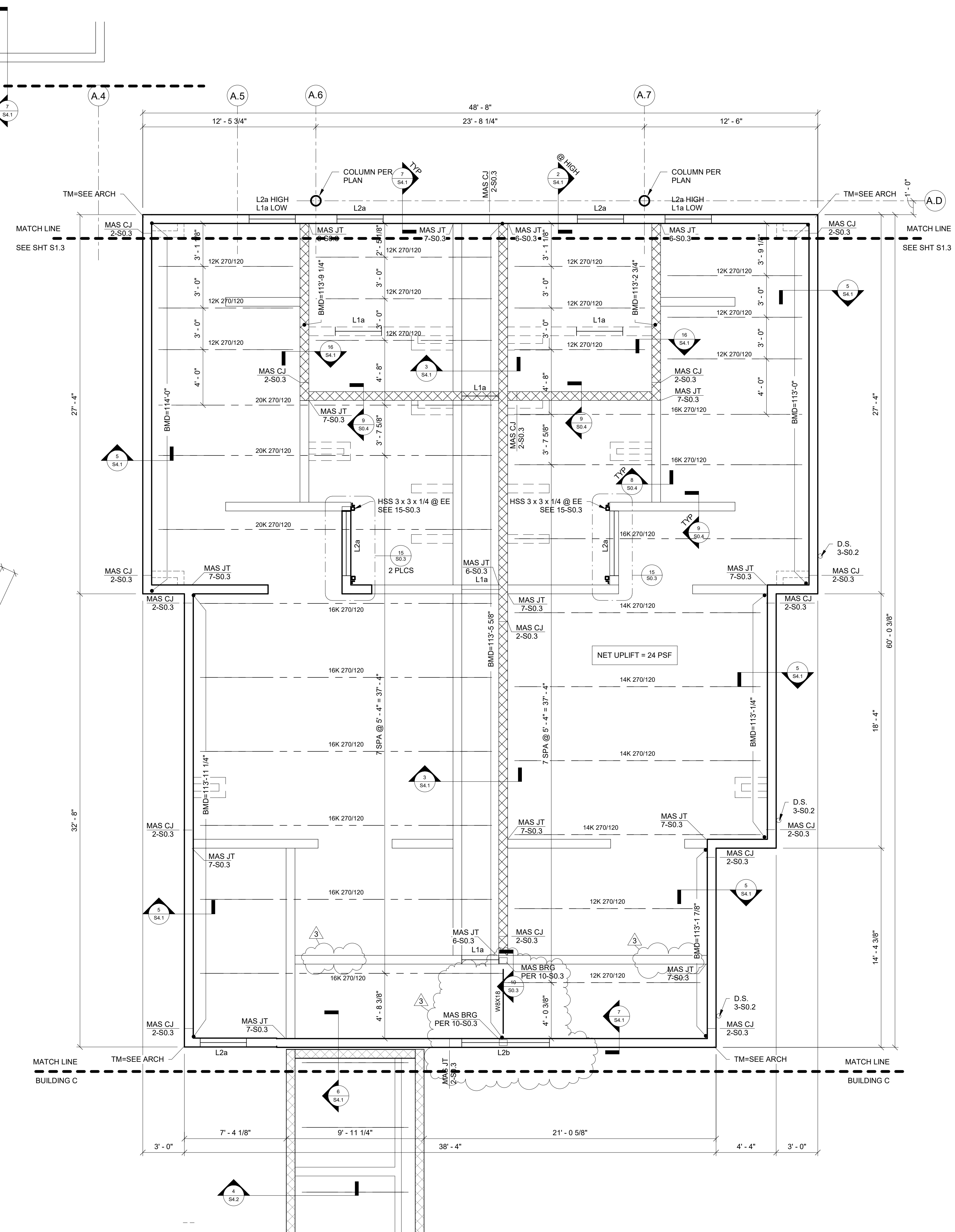


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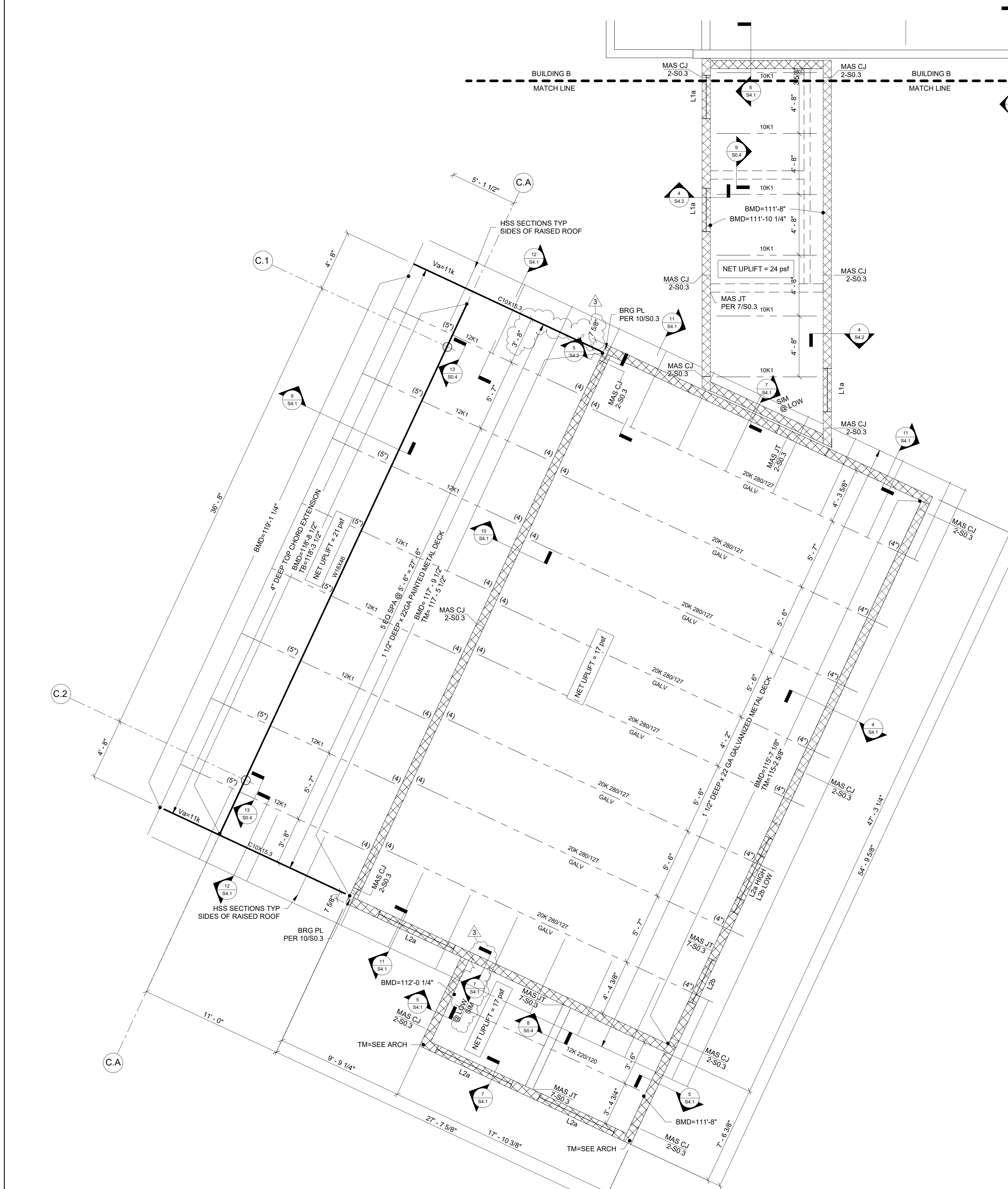
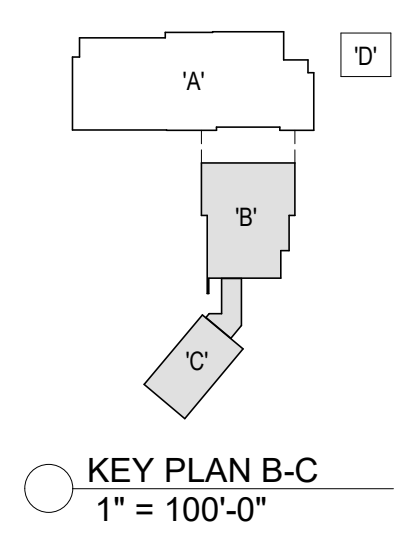
**O'FALLON COMMUNITY PARK ENHANCEMENTS
- NEW POOL AND AMPHITHEATER (PHASE 1)**
O'FALLON PARKS & RECREATION
411 E. 5TH STREET, O'FALLON, IL 62269
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ROOF FRAMING AREA B-C
SHEET NO.
S1.4
JOB NO. 23-3773.01
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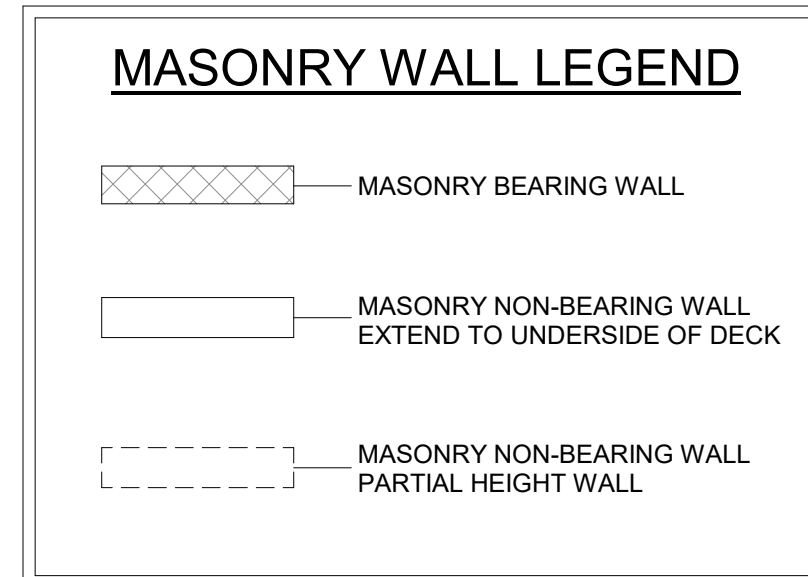
ROOF FRAMING PLAN AREA B

- 1/4" = 1'-0"
- ROOF CONSTRUCTION: 1 1/2" DEEP BY 22 GA WIDE RIB PAINTED METAL DECK INSTALLED AND FABRICATED IN ACCORDANCE WITH SDI SPECIFICATIONS, UNLESS NOTED OTHERWISE. ATTACH DECK PER SECTION 1/50.4
 - BOTTOM OF METAL DECK ELEVATIONS IS REFERENCED FROM FINISH FLOOR ELEVATION EL = 100'-0" AND NOTED THUS (BMD = XXX'-XX")
 - COORDINATE ROOF OPENINGS AND ANGLE FRAMING LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. OPENINGS LARGER THAN 12" x 12" AND RTU CURBS REQUIRE ANGLE FRAMES PER 2/50.4
 - PROVIDE JOIST REINFORCING ANGLE FOR MISCELLANEOUS JOIST LOADS APPLIED TO TOP AND BOTTOM CHORDS PER DETAIL 4/50.4
 - K-SERIES JOIST SEAT DEPTH 2 1/2" UNLESS NOTED (X XX") ON PLAN
LH-SERIES JOIST SEAT DEPTH 5" UNLESS NOTED (X XX") ON PLAN.
 - JOIST SUPPLIER SHALL DESIGN AND PROVIDE HORIZONTAL JOIST BRIDGING AT TOP AND BOTTOM CHORDS AS PER SJI RECOMMENDATION AND OSHA REQUIREMENTS
 - FIELD VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS AND CONDITIONS. NOTIFY ARCHITECT/ENGINEER IF ACTUAL EXISTING CONDITIONS CONFLICT WITH THE INFORMATION SHOWN OF IMPLIED ON THE DRAWINGS.
 - DESIGN ROOF LOAD: 51 PSF (DEAD LOAD = 20 PSF + LIVE/SNOW LOAD = 20 PSF + WIND LOAD=10 PSF + FUTURE SOLAR = 8PSF) SEE PLAN (WIND LOAD NET UPLIFT @ JOIST)

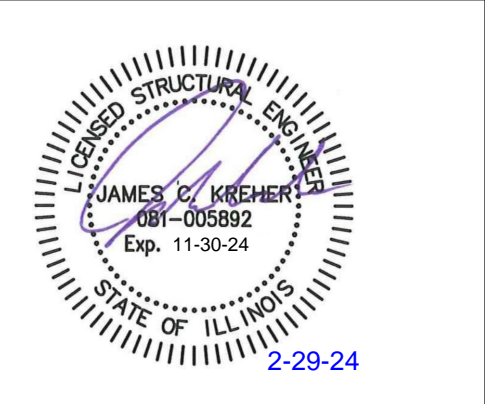


ROOF FRAMING PLAN AREA C

- 1/4" = 1'-0"
- ROOF CONSTRUCTION: 1 1/2" DEEP BY 22 GA WIDE RIB PAINTED METAL DECK U.N.O. INSTALLED AND FABRICATED IN ACCORDANCE WITH SDI SPECIFICATIONS, UNLESS NOTED OTHERWISE. ATTACH DECK PER SECTION 1/50.4
 - BOTTOM OF METAL DECK ELEVATIONS IS REFERENCED FROM FINISH FLOOR ELEVATION EL = 100'-0" AND NOTED THUS (BMD = XXX'-XX")
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LH-SERIES JOIST SEAT DEPTH 5" UNLESS NOTED (X XX") ON PLAN.
 - JOIST SUPPLIER SHALL DESIGN AND PROVIDE HORIZONTAL JOIST BRIDGING AT TOP AND BOTTOM CHORDS AS PER SJI RECOMMENDATION AND OSHA REQUIREMENTS
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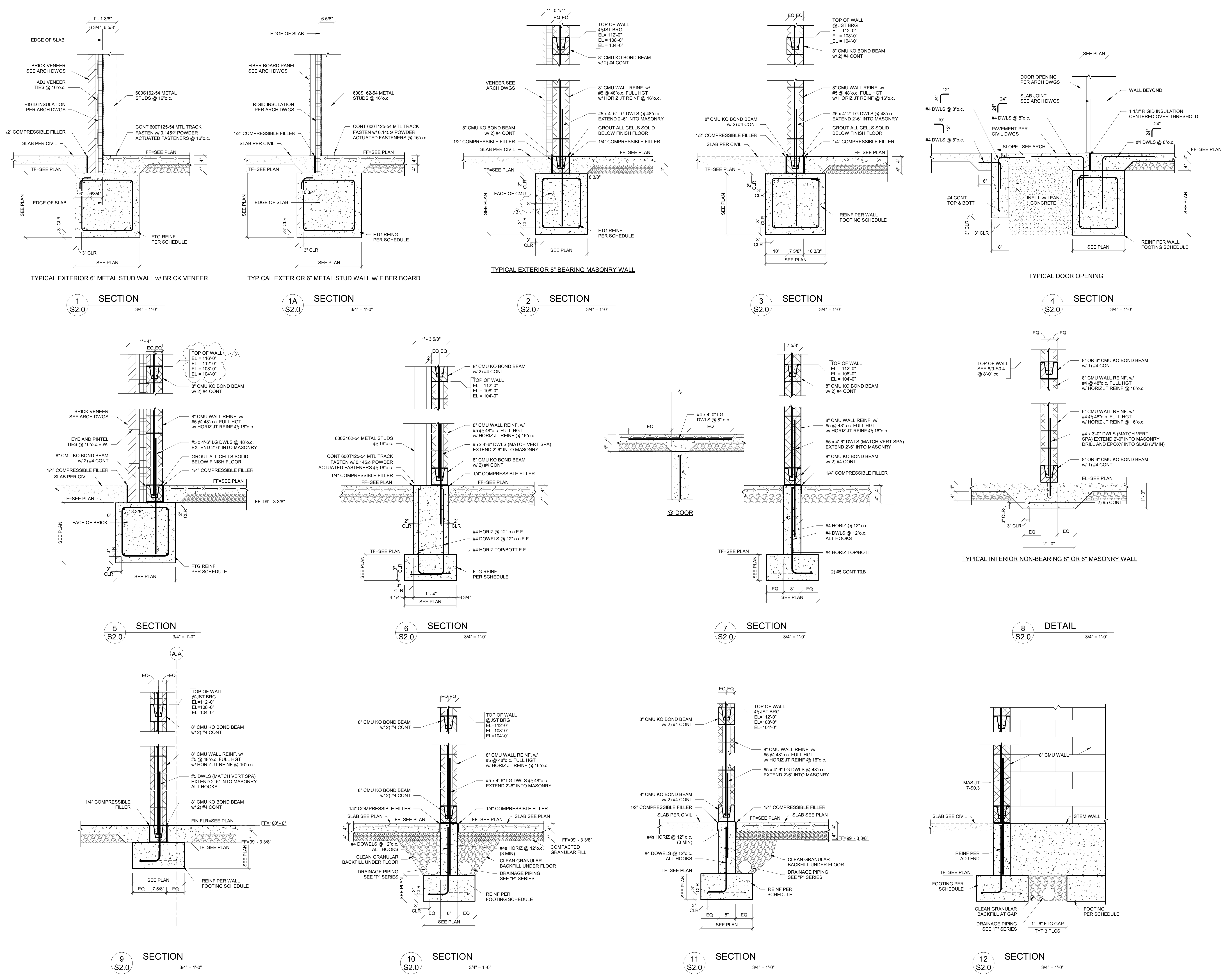


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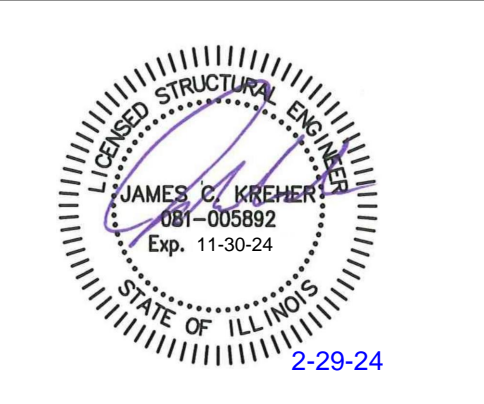
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O'FALLON COMMUNITY PARK ENHANCEMENTS - NEW POOL AND AMPHITHEATER (PHASE 1)
 O'FALLON PARKS & RECREATION
 411 E. 5TH STREET, O'FALLON, IL 62269
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FOUNDATION DETAILS AND SECTIONS
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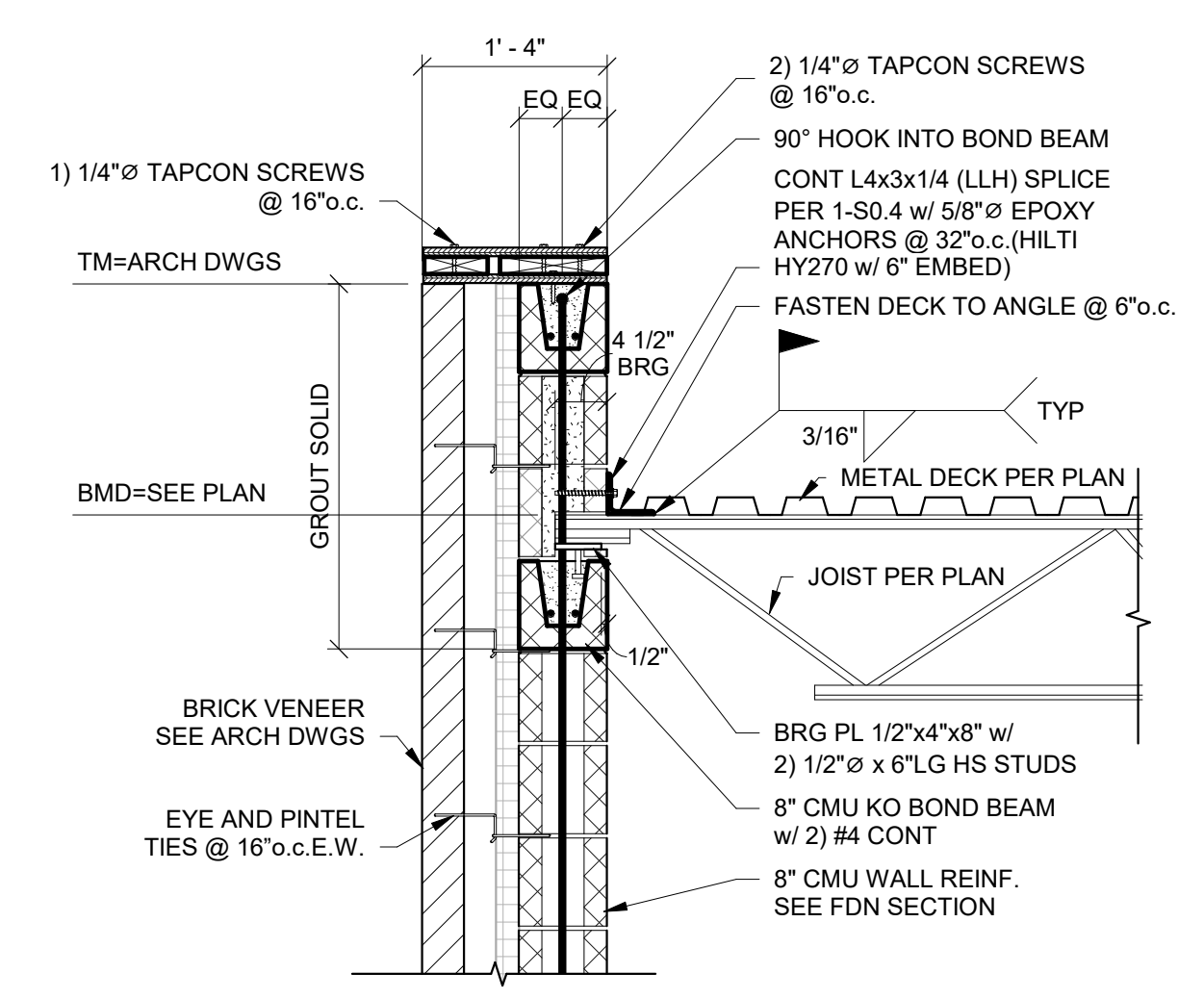
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- NEW POOL AND AMPHITHEATER (PHASE 1)**
O'FALLON PARKS & RECREATION
411 E. 5TH STREET, O'FALLON, IL 62269
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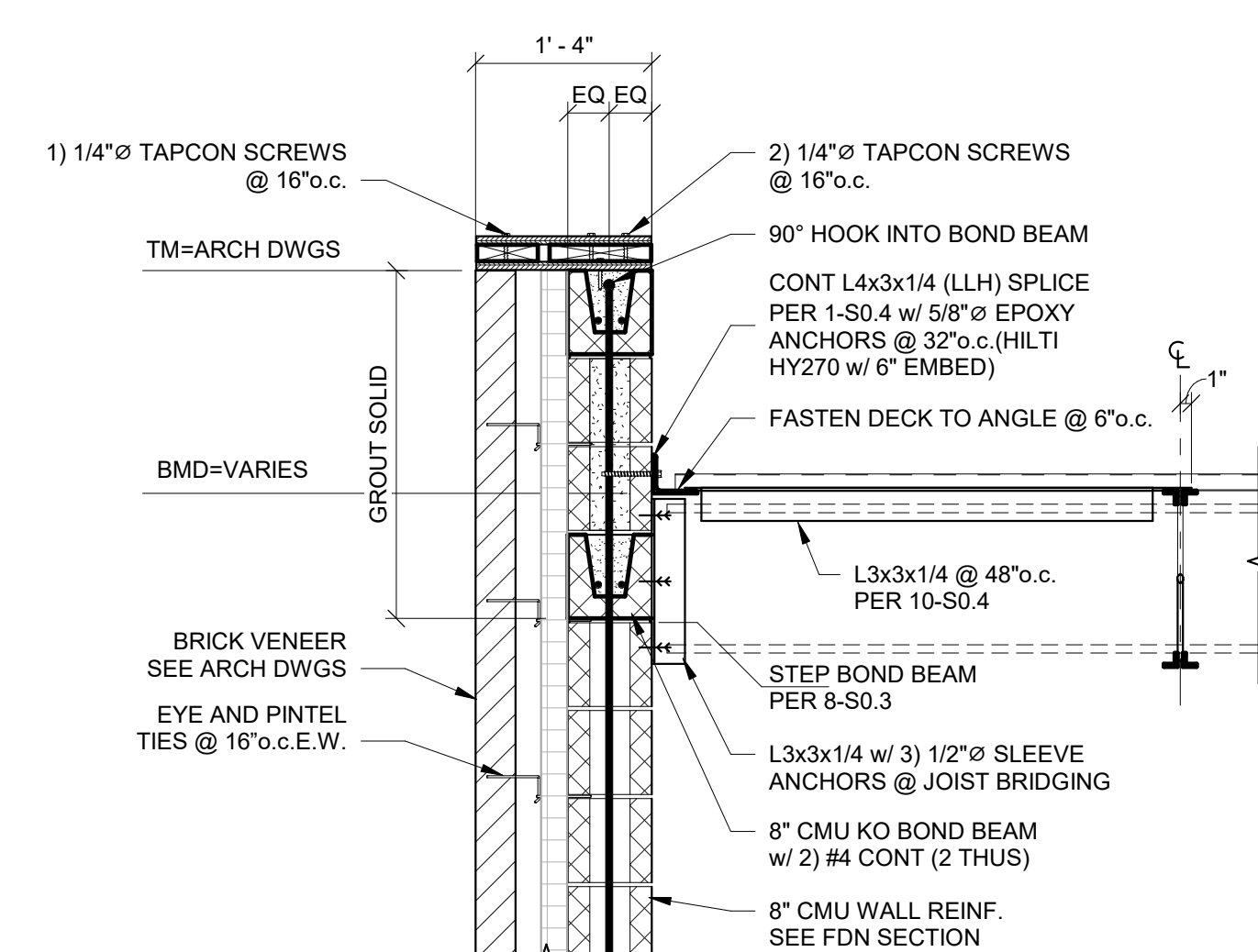
**ROOF FRAMING DETAILS
AND SECTIONS**

SHEET NO. **S4.0**

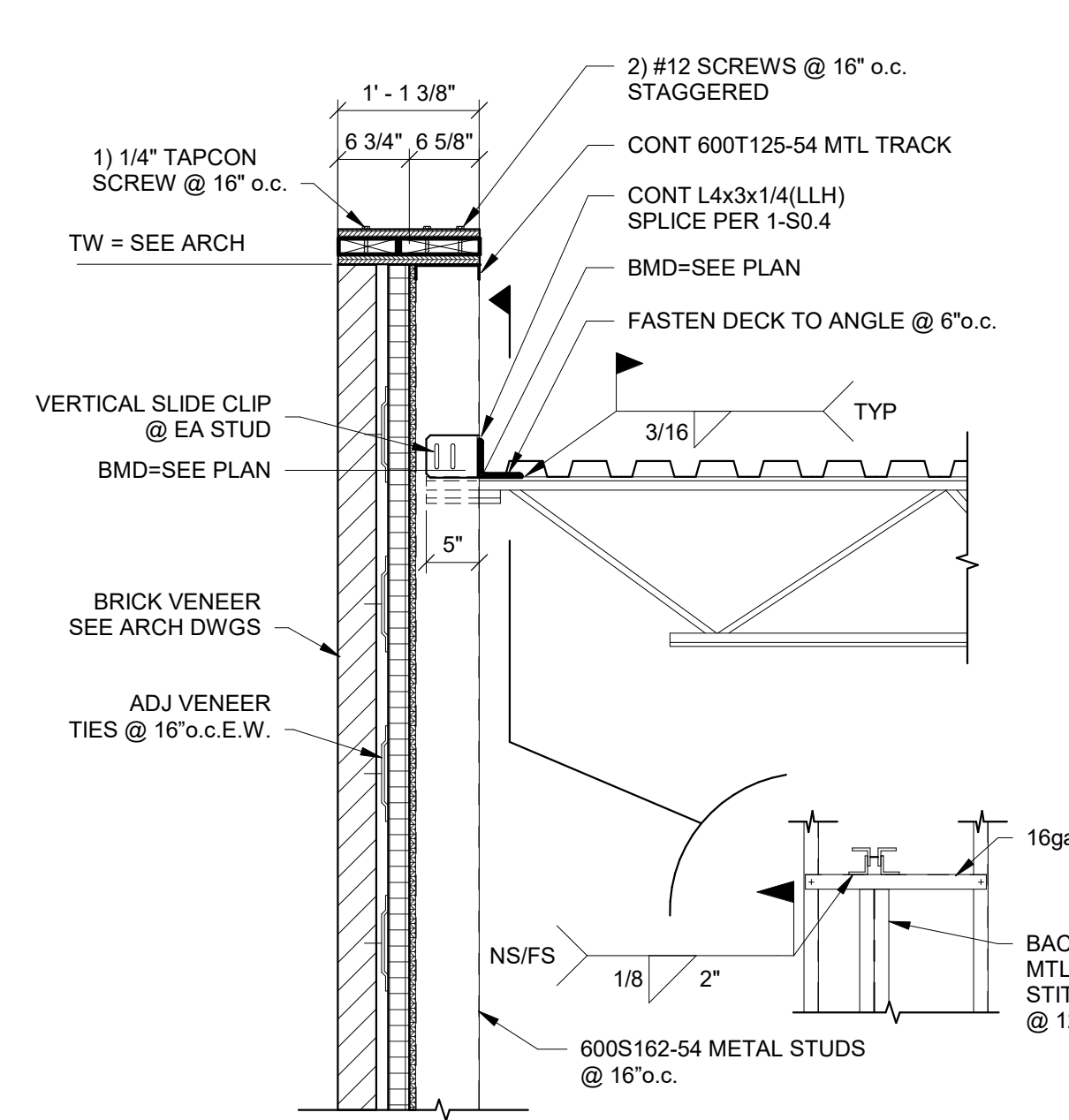
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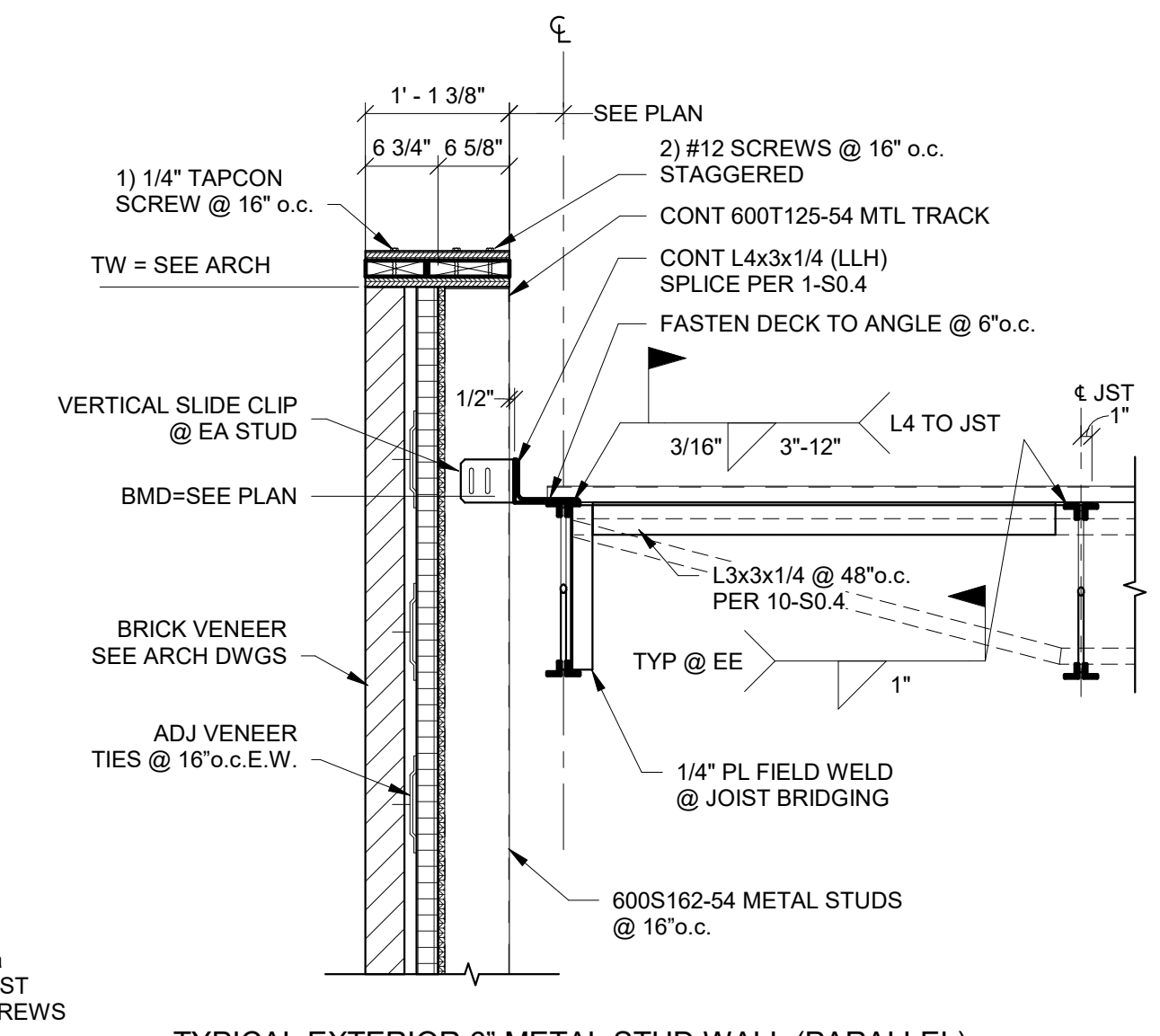
TYPICAL JOIST BEARING @ EXTERIOR 8" MASONRY WALL



TYPICAL JOIST (PARALLEL) @ EXTERIOR 8" MASONRY WALL



TYPICAL EXTERIOR 6" METAL STUD WALL



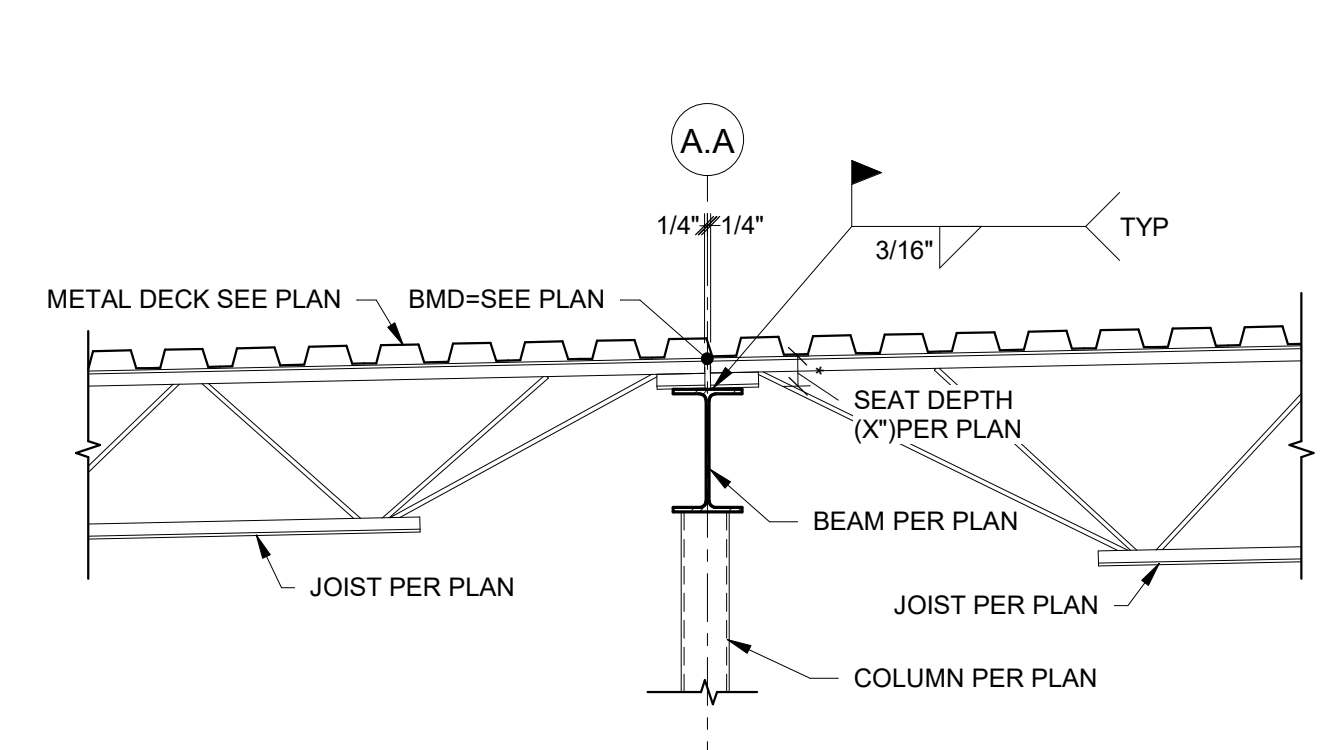
TYPICAL EXTERIOR 6" METAL STUD WALL (PARALLEL)

1 SECTION
S4.0 3/4" = 1'-0"

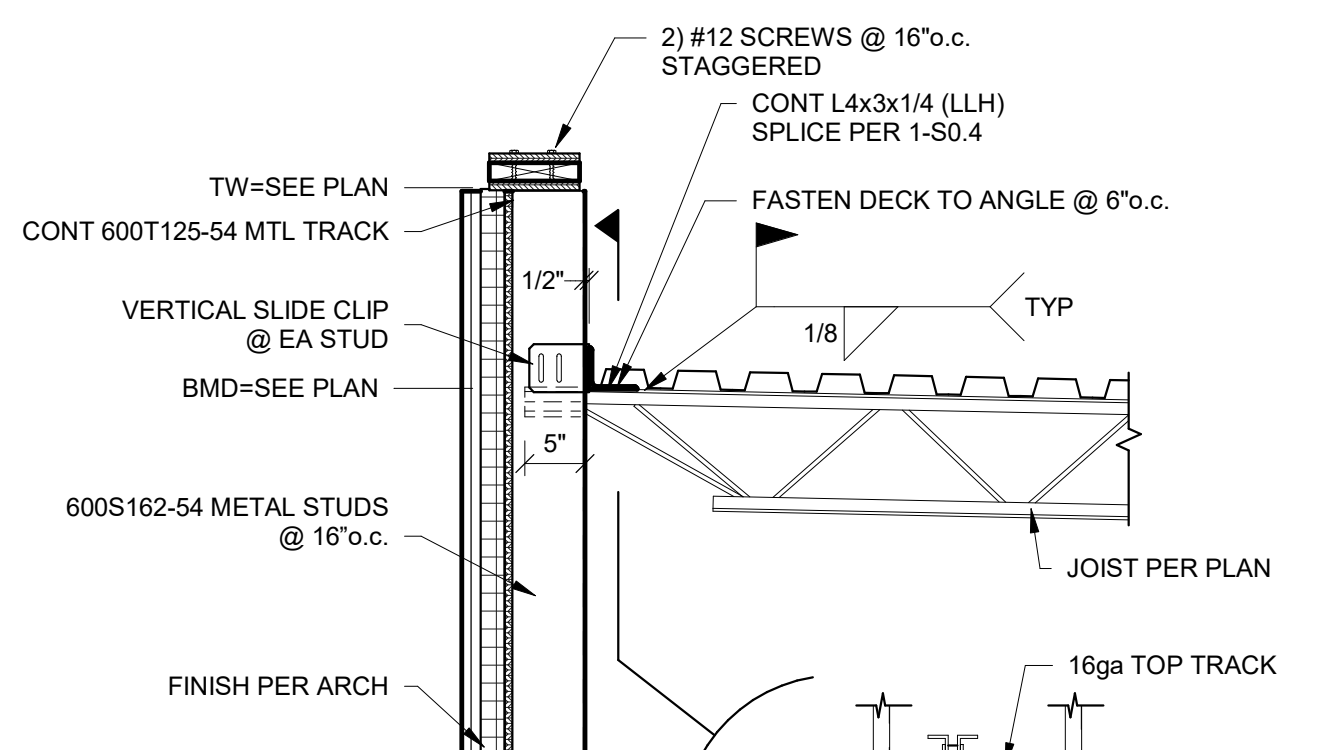
2 SECTION
S4.0 3/4" = 1'-0"

3 SECTION
S4.0 3/4" = 1'-0"

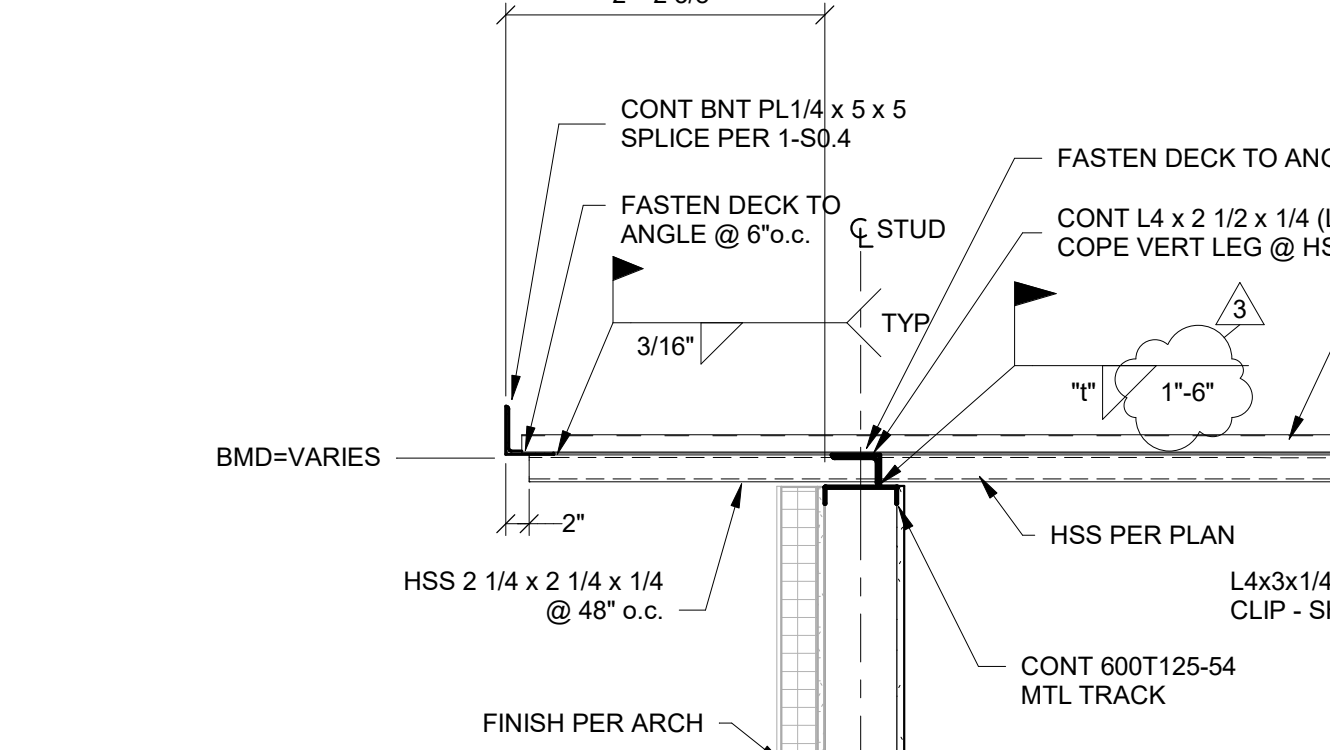
4 SECTION
S4.0 3/4" = 1'-0"



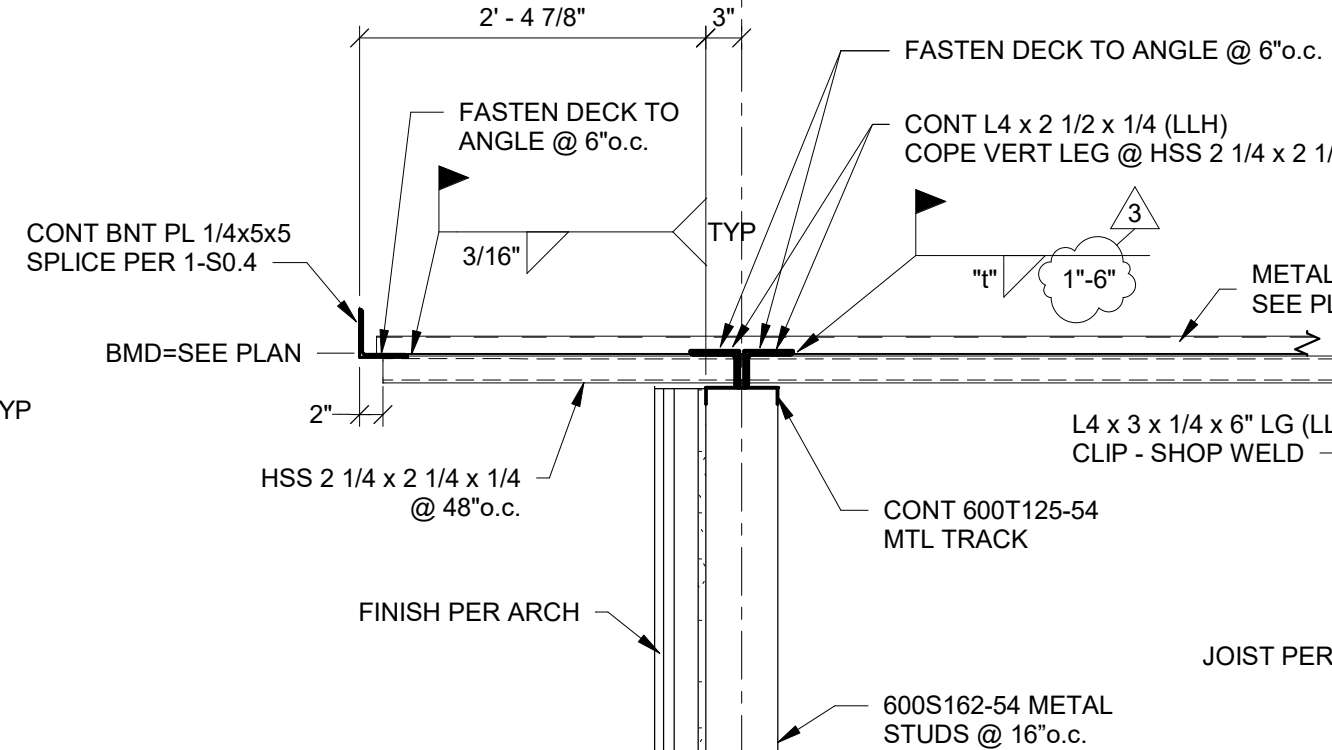
5 SECTION
S4.0 3/4" = 1'-0"



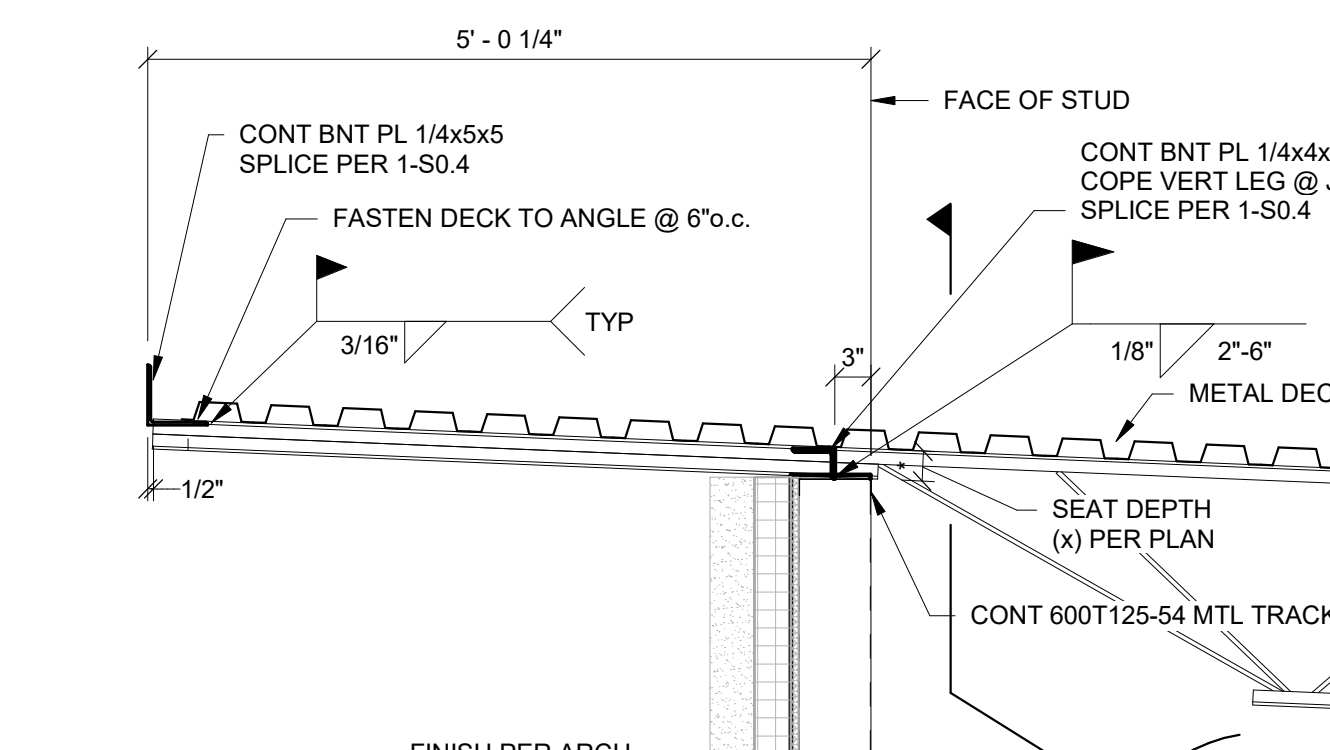
6 SECTION
S4.0 3/4" = 1'-0"



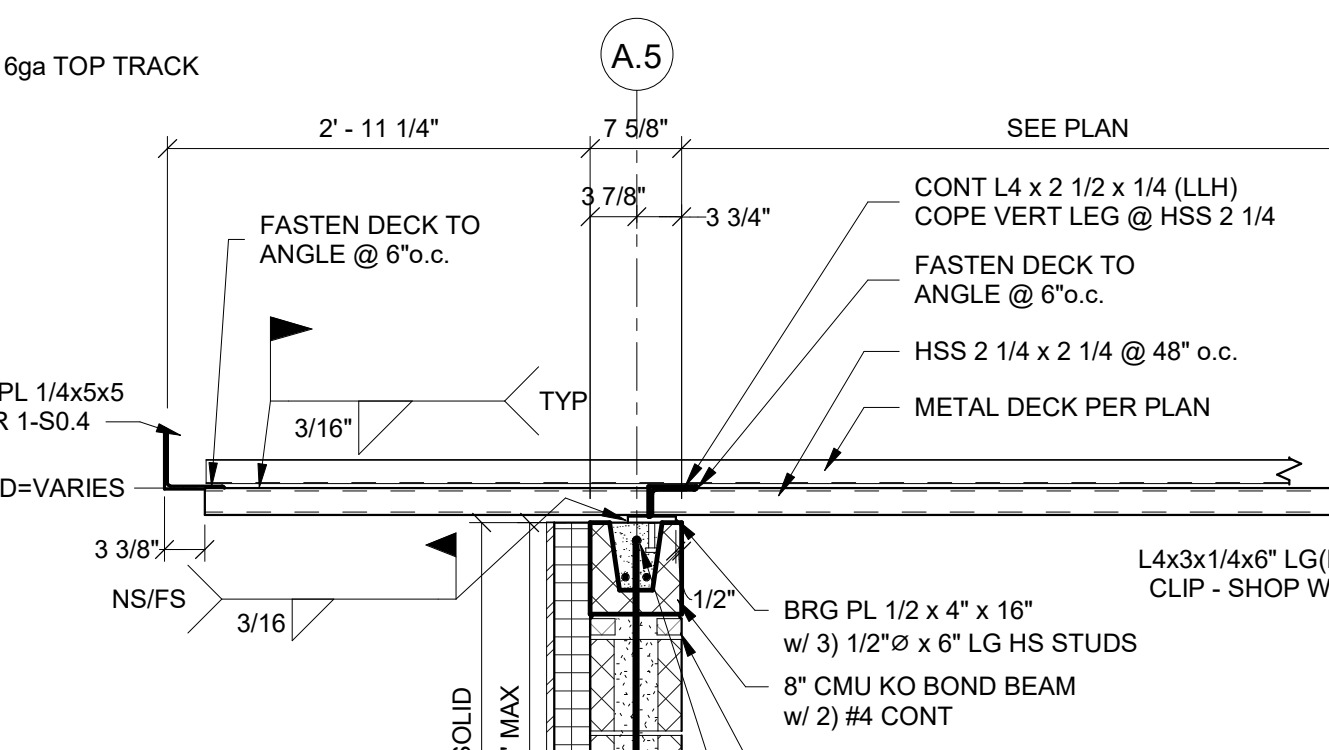
7 SECTION
S4.0 3/4" = 1'-0"



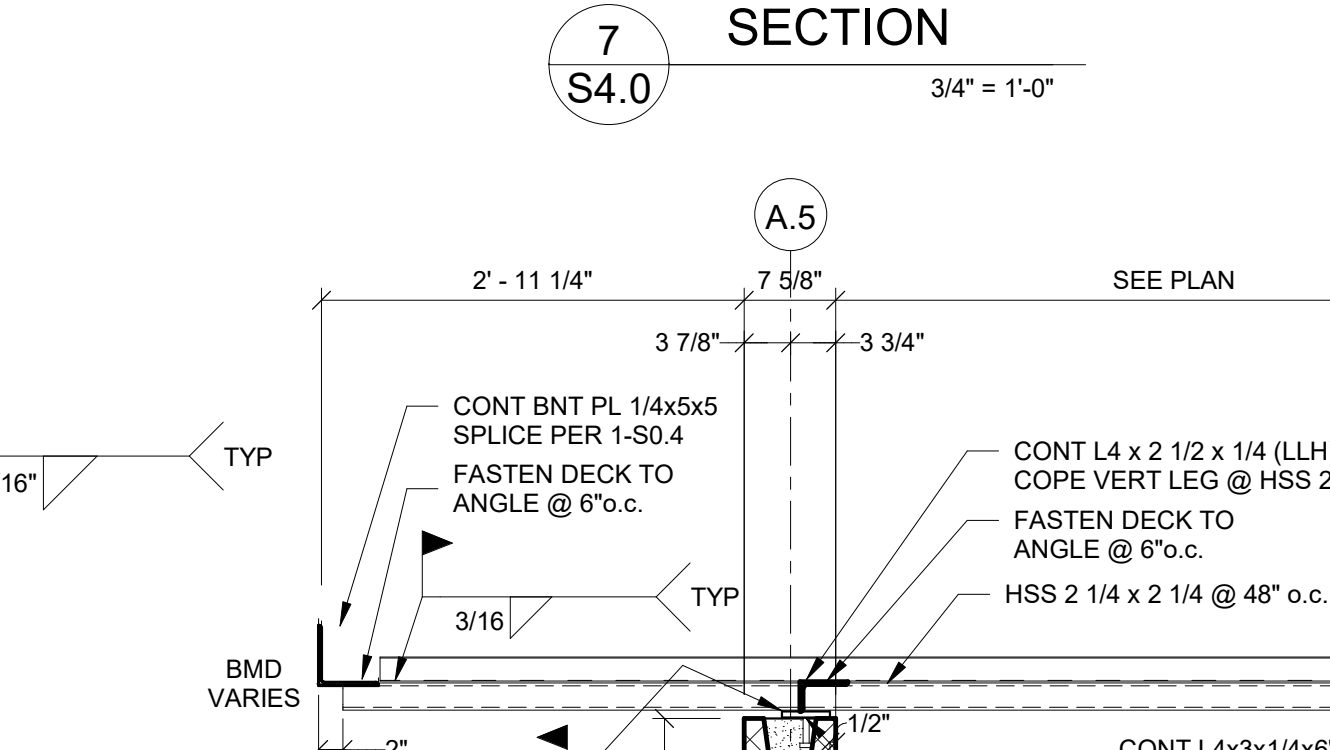
8 SECTION
S4.0 3/4" = 1'-0"



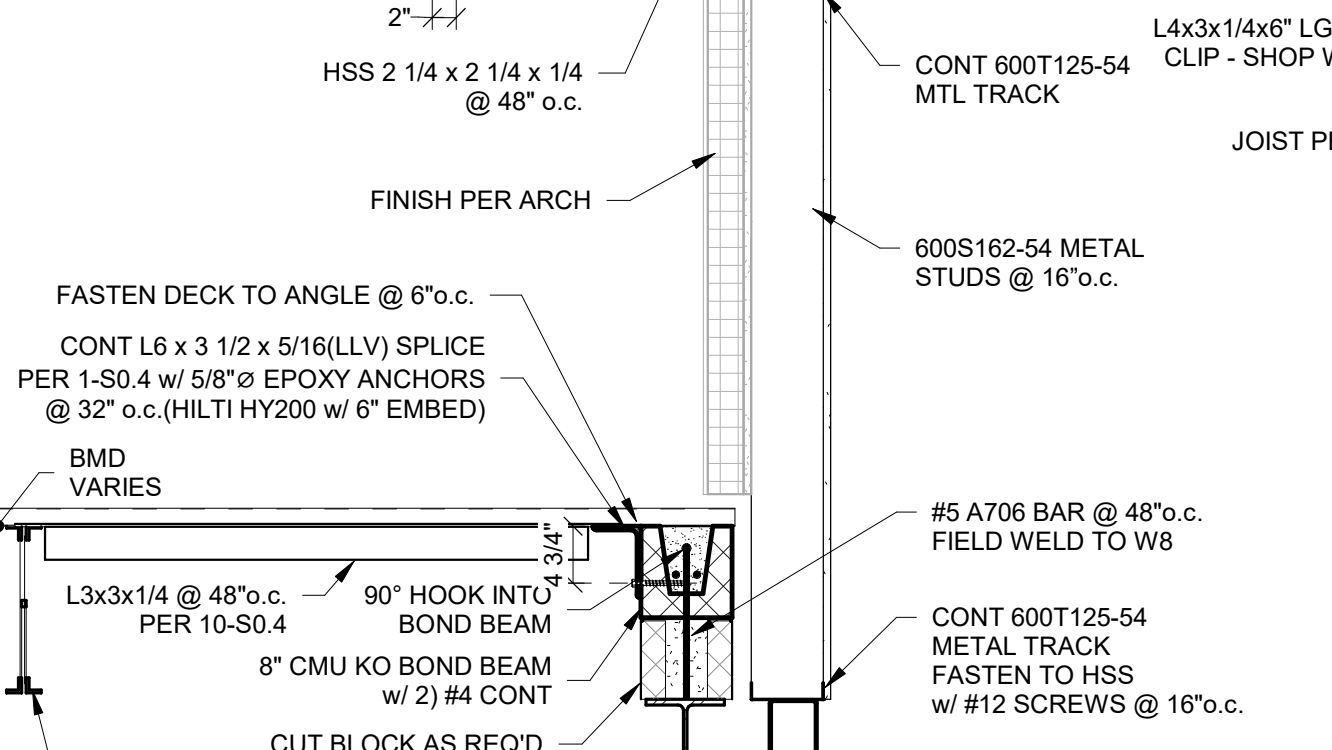
9 SECTION
S4.0 3/4" = 1'-0"



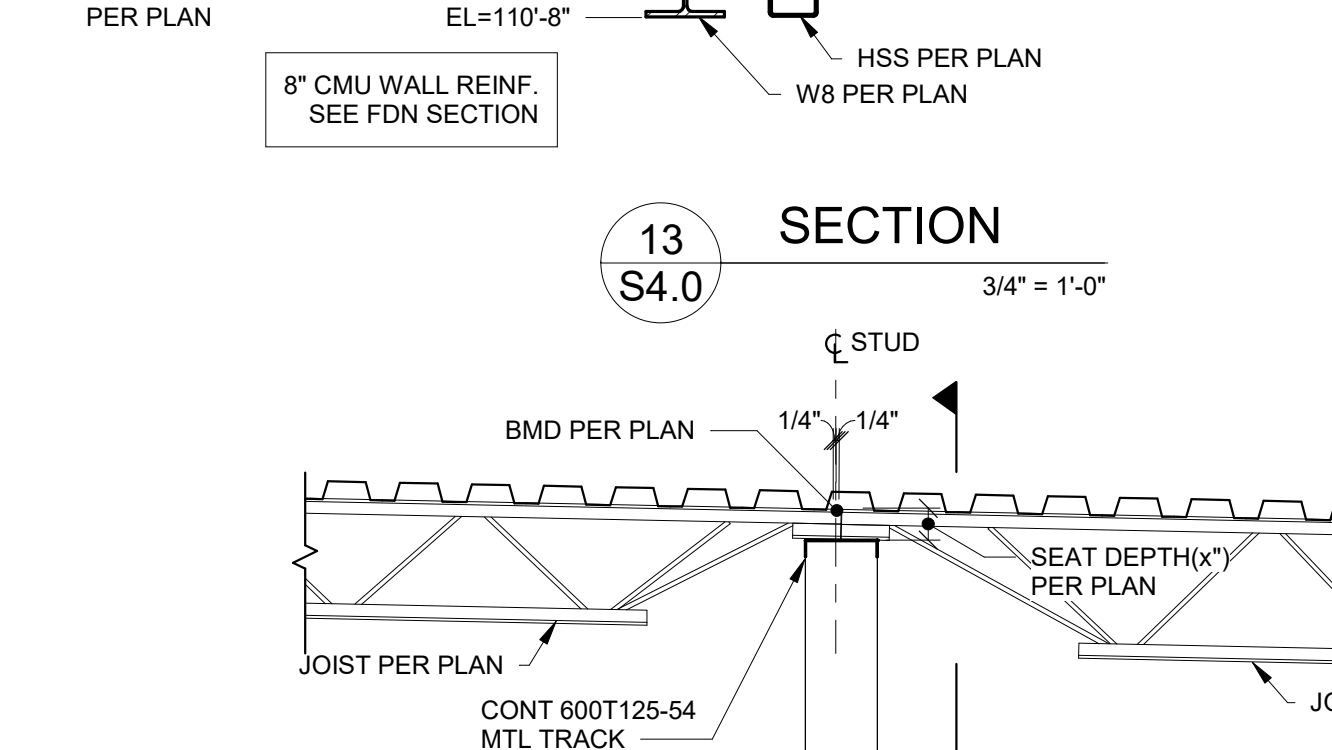
10 SECTION
S4.0 3/4" = 1'-0"



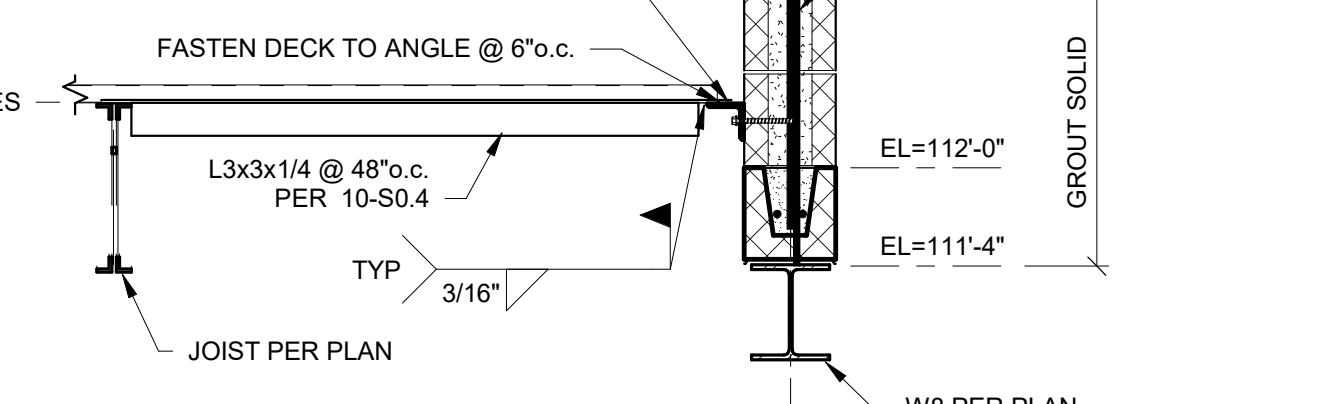
11 SECTION
S4.0 3/4" = 1'-0"



12 SECTION
S4.0 3/4" = 1'-0"

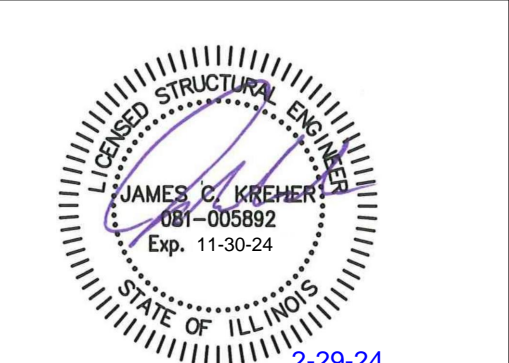


13 SECTION
S4.0 3/4" = 1'-0"



14 SECTION
S4.0 3/4" = 1'-0"

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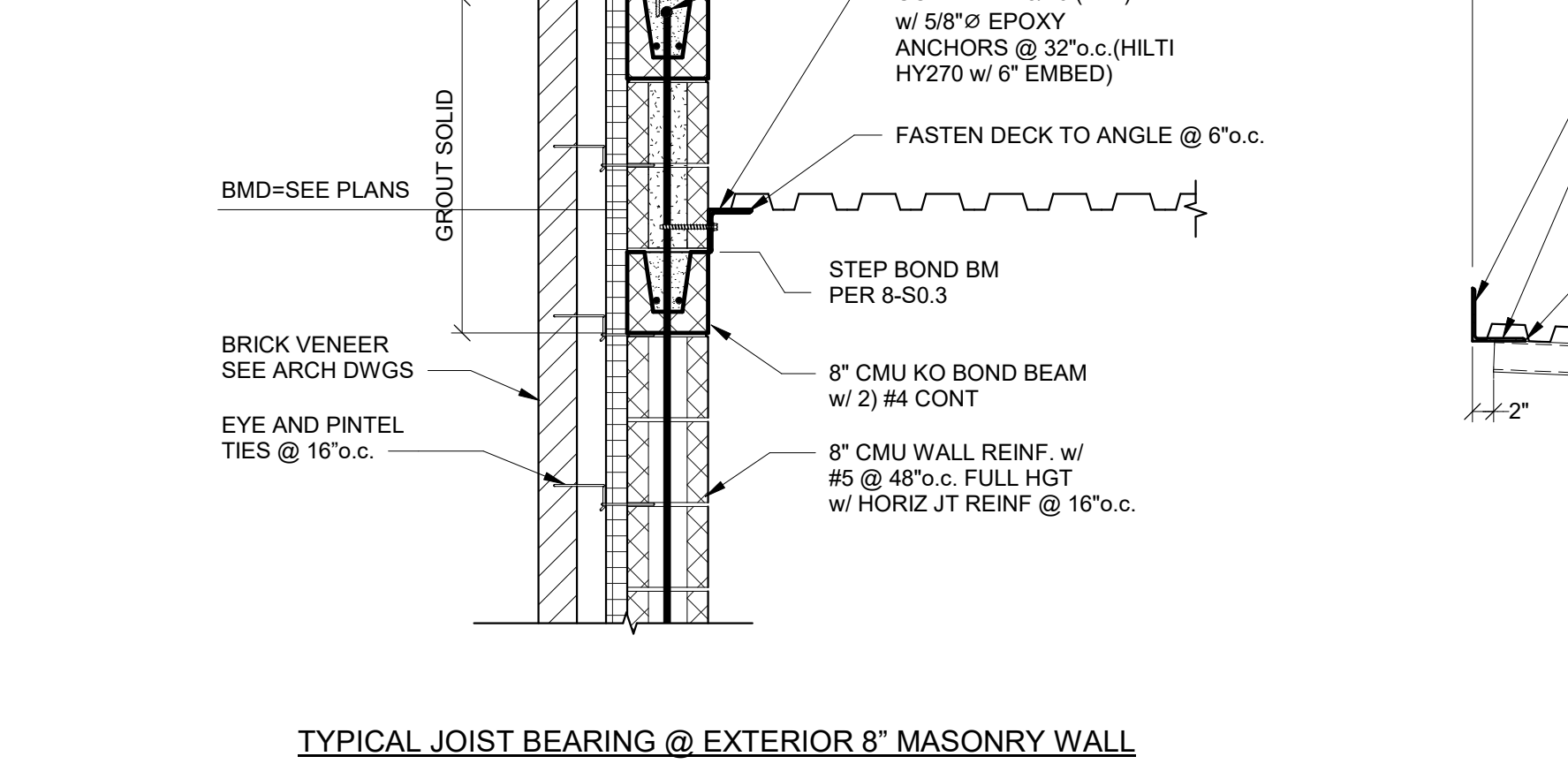
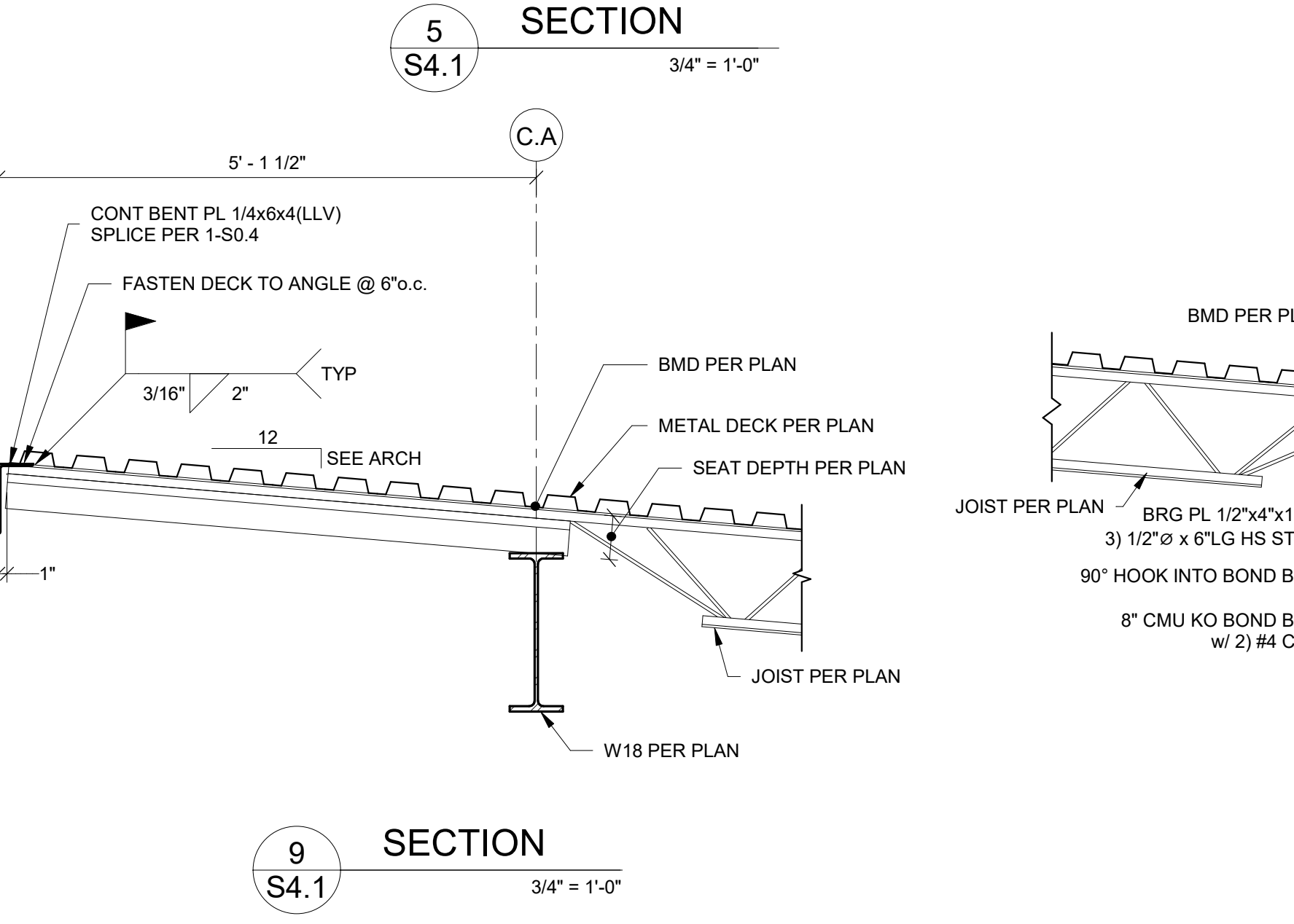
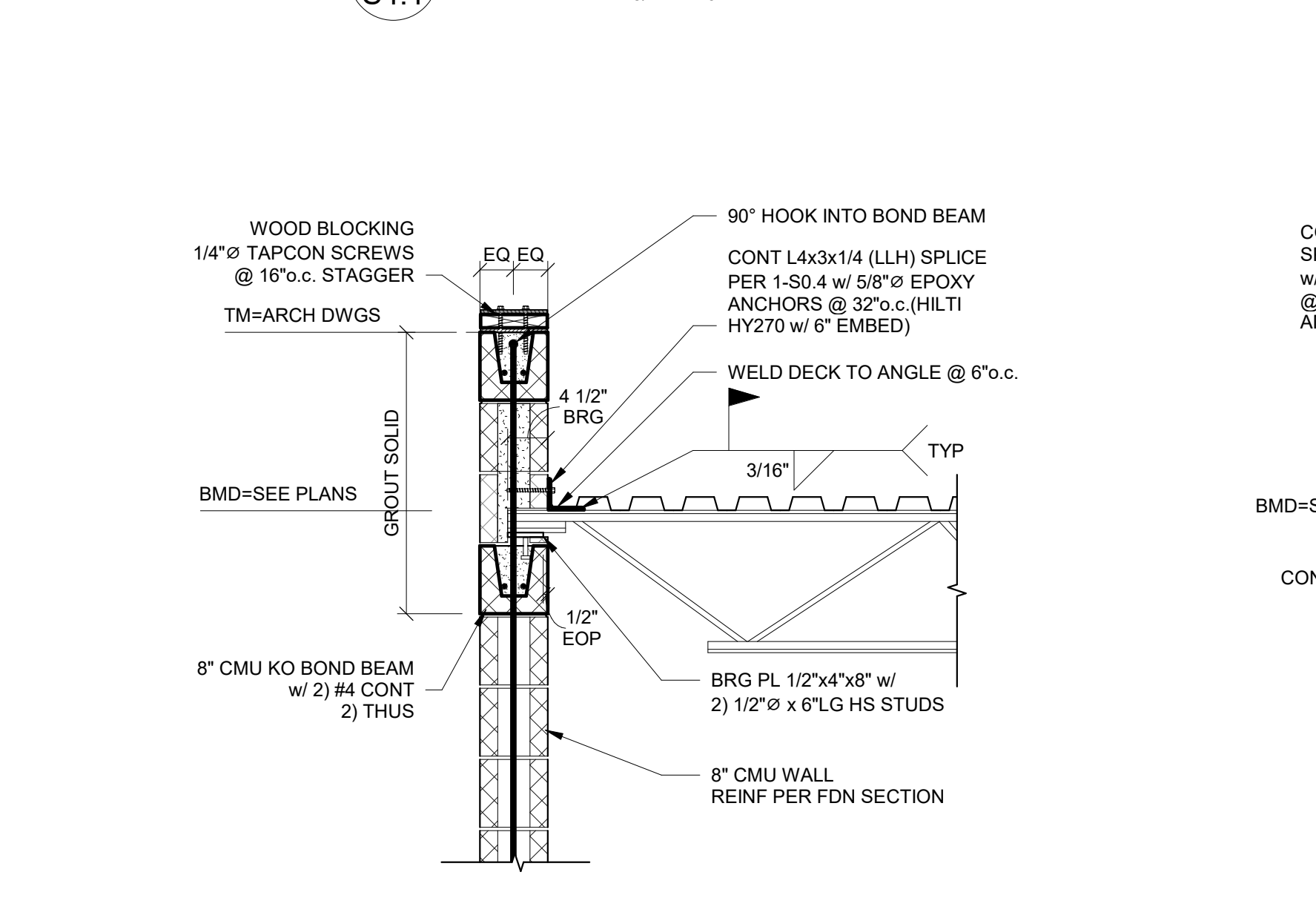
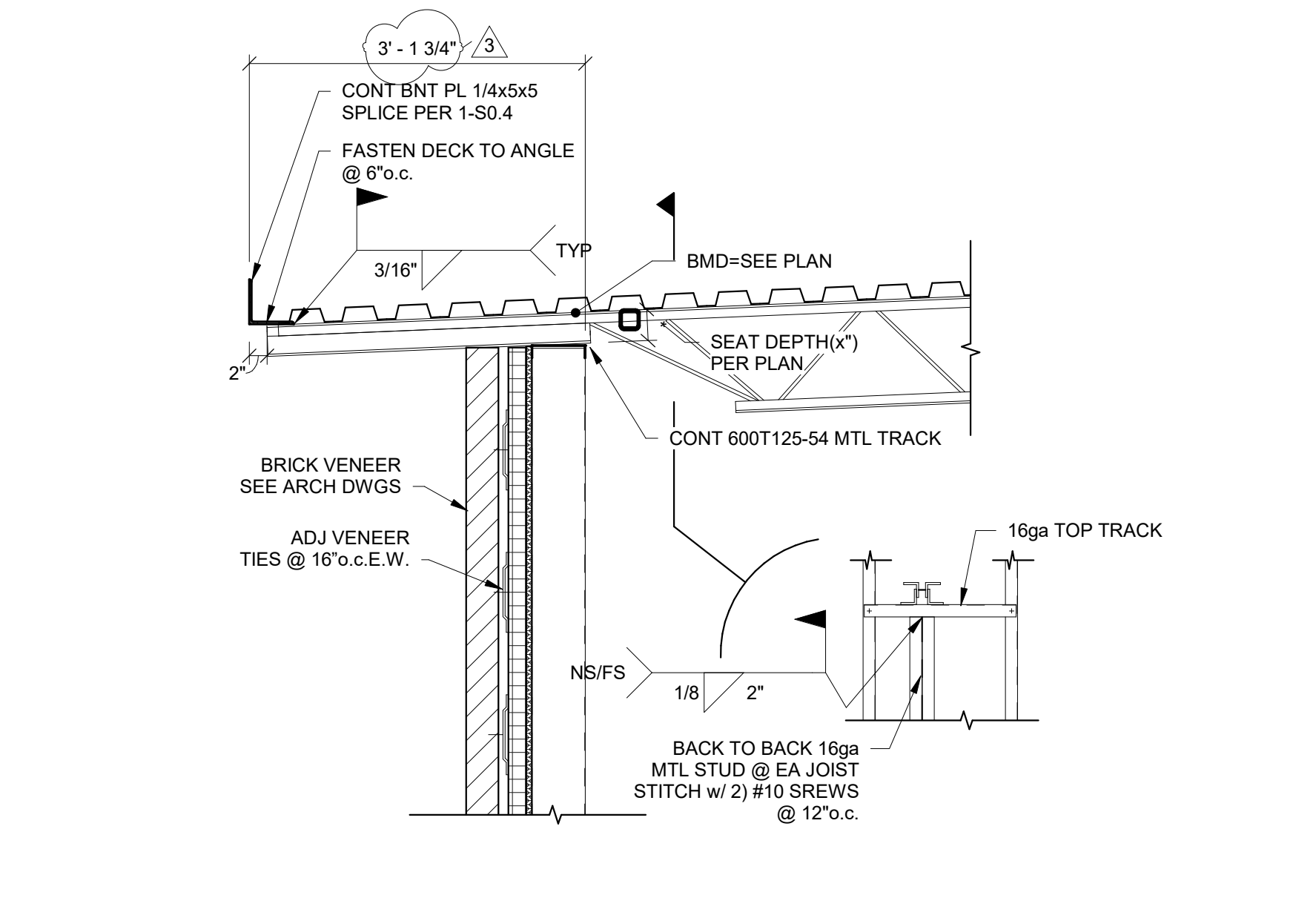
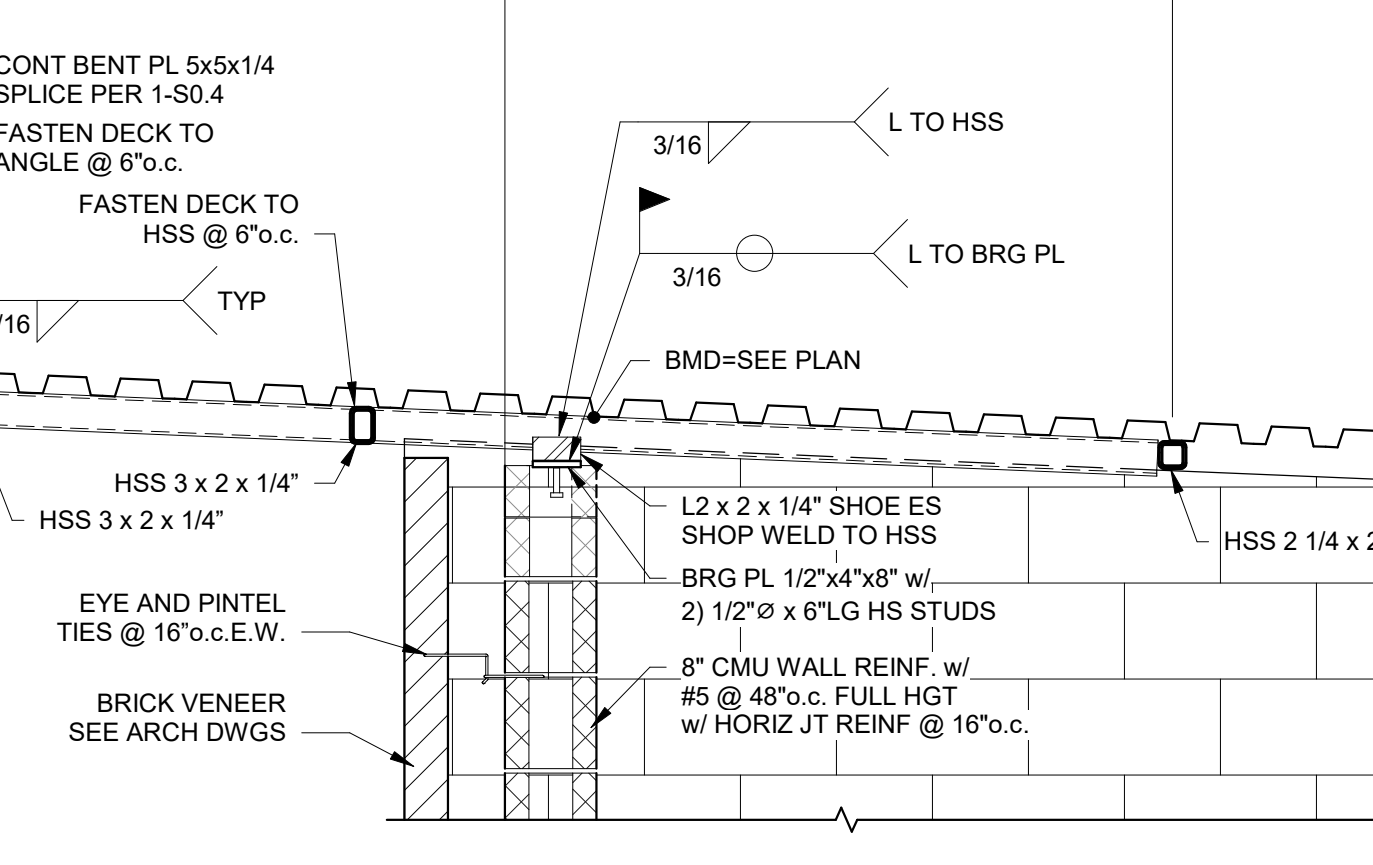
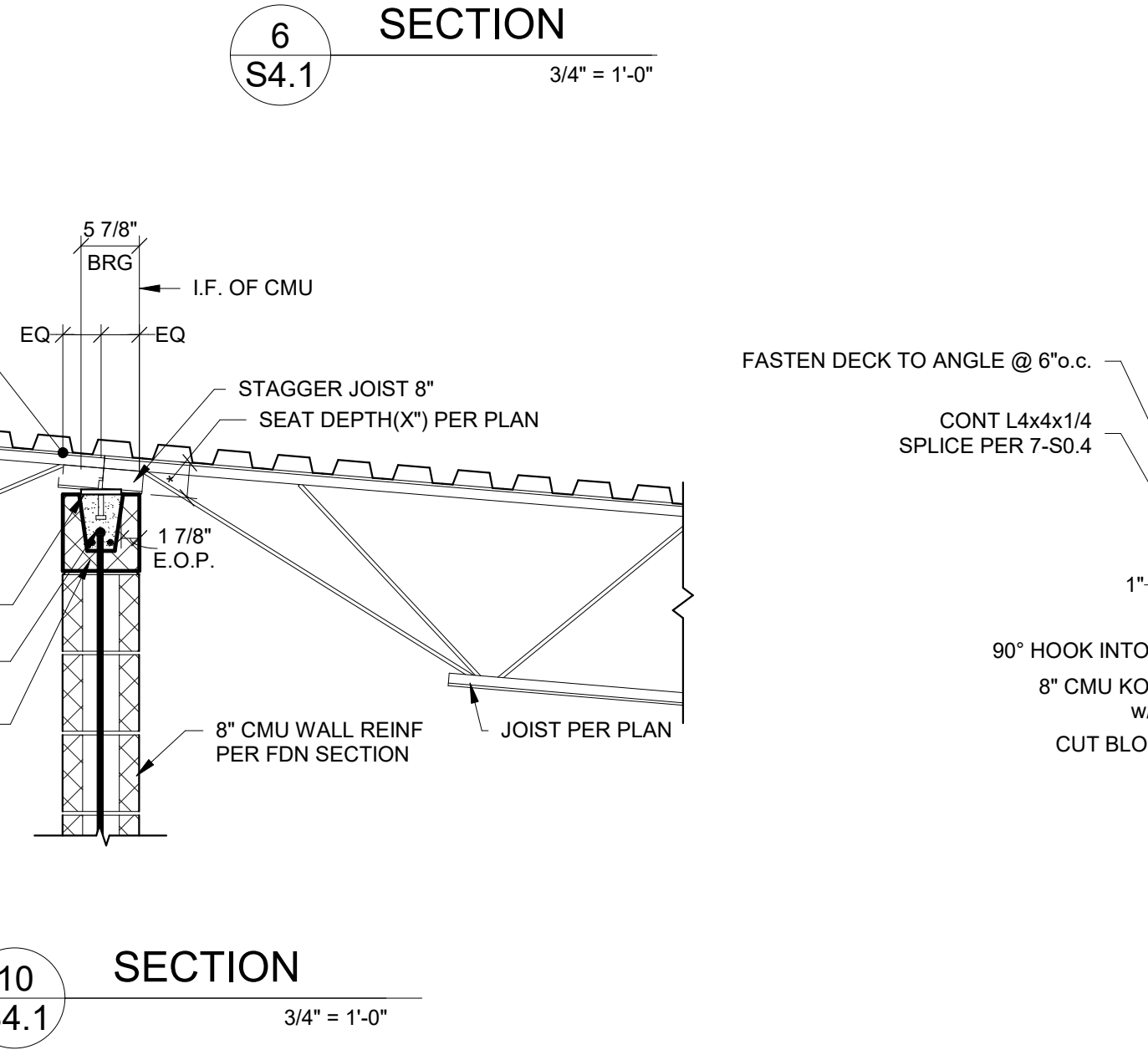
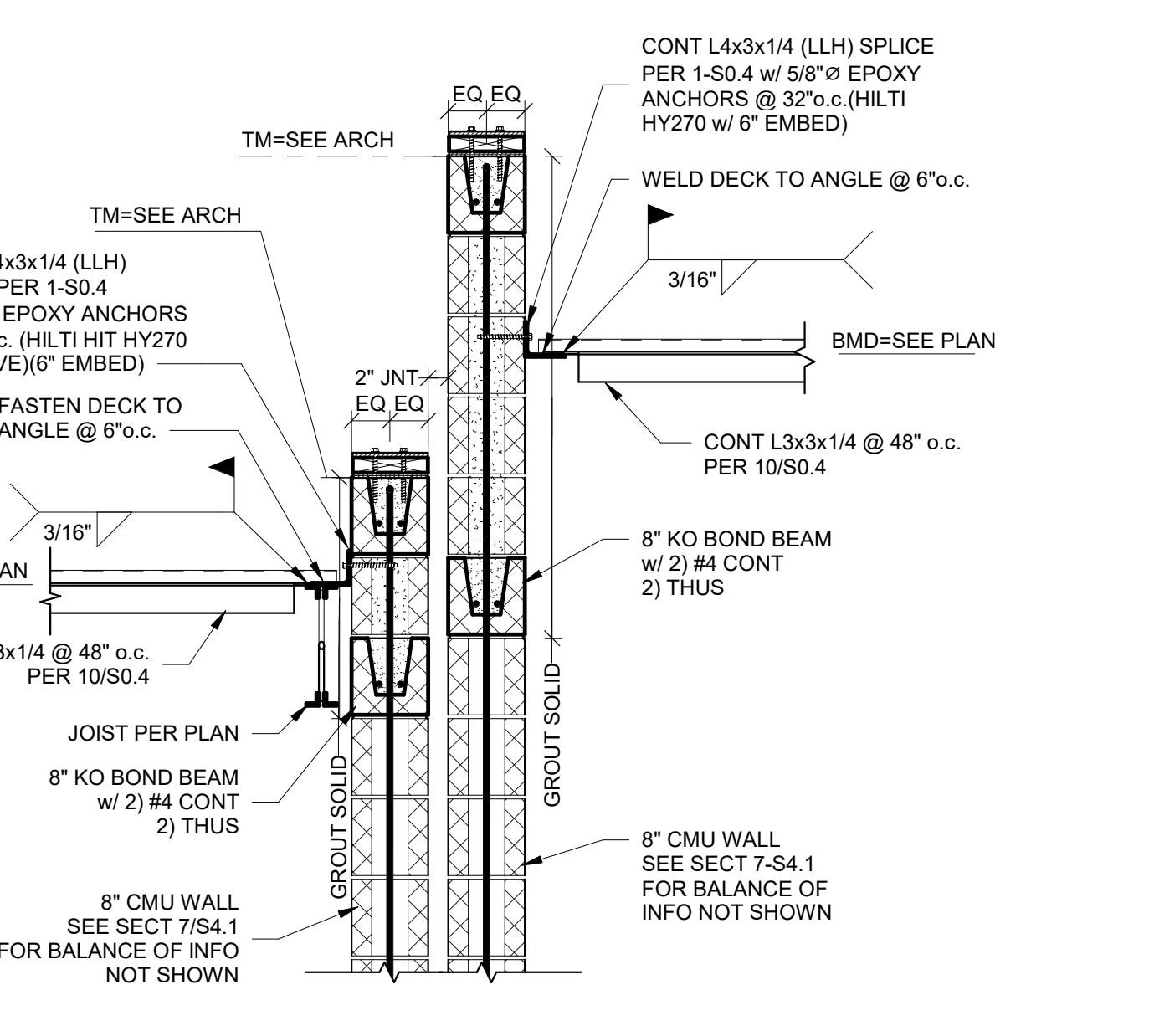
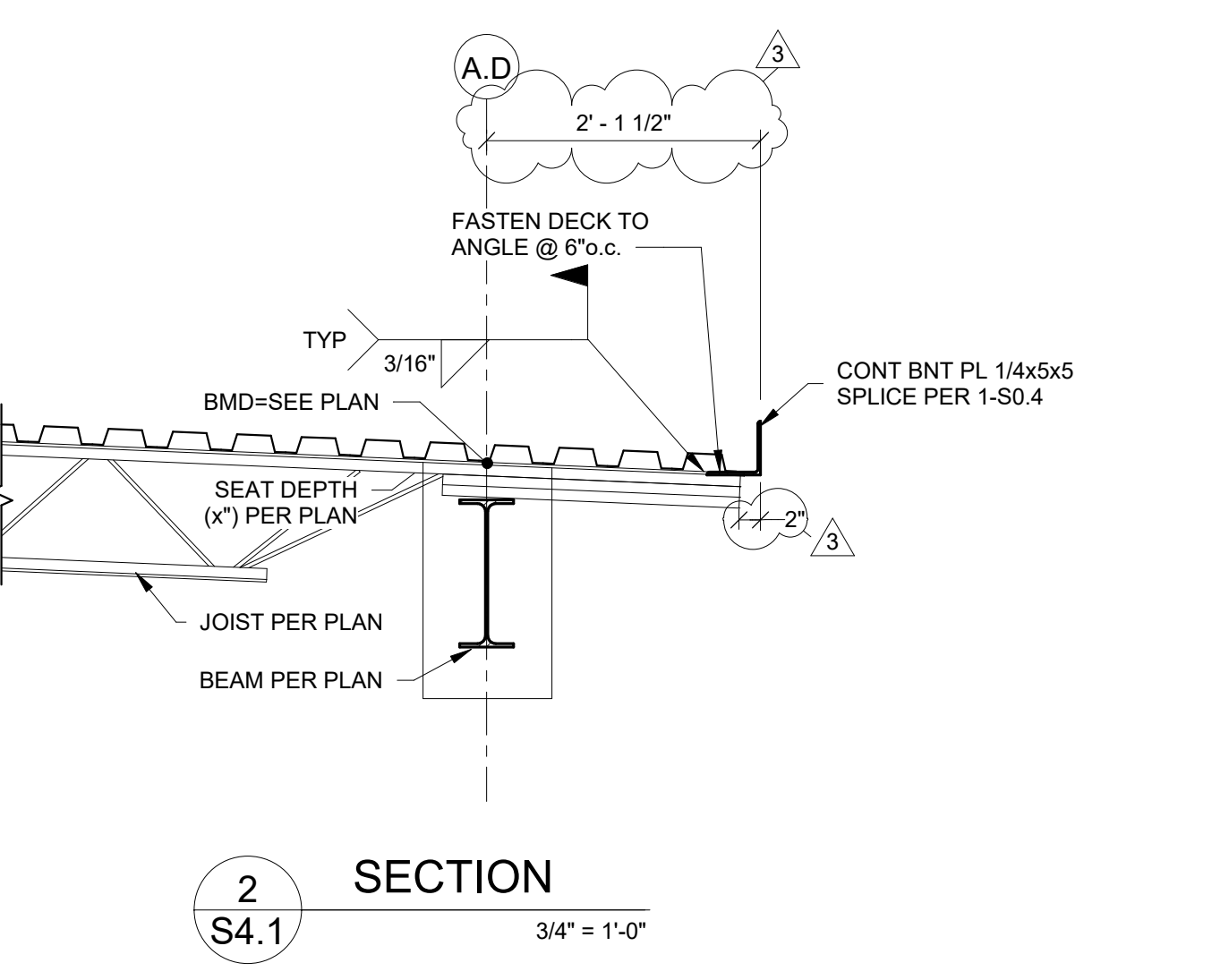
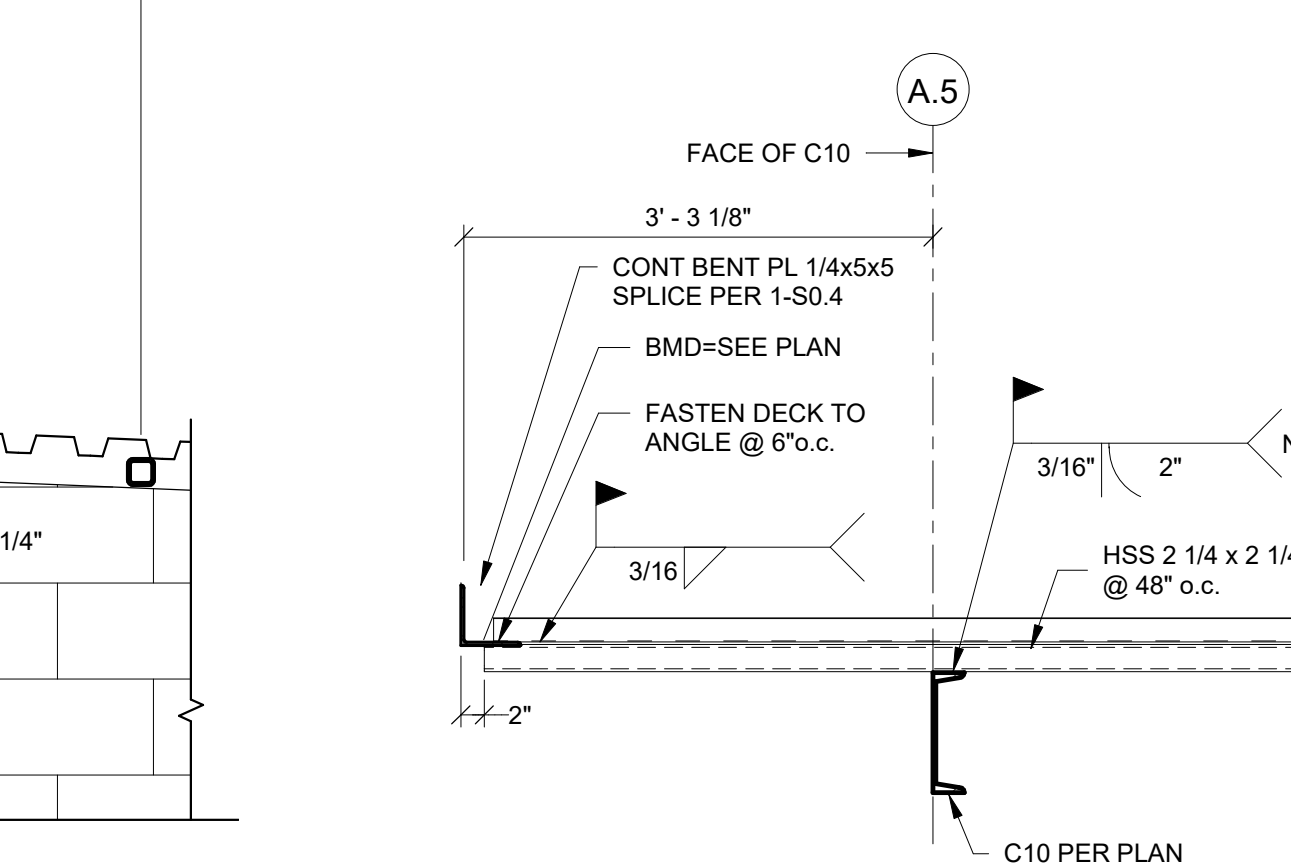
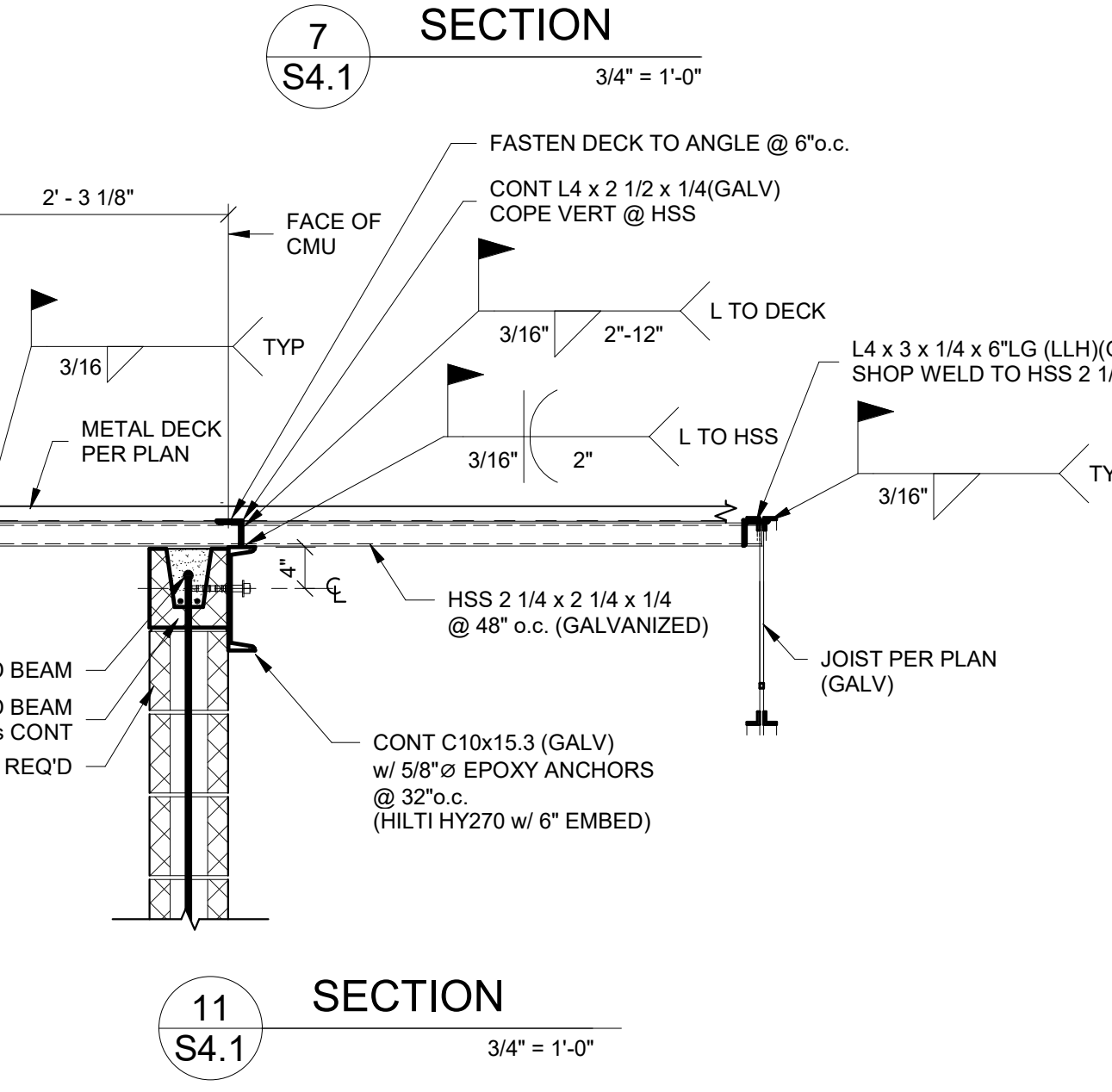
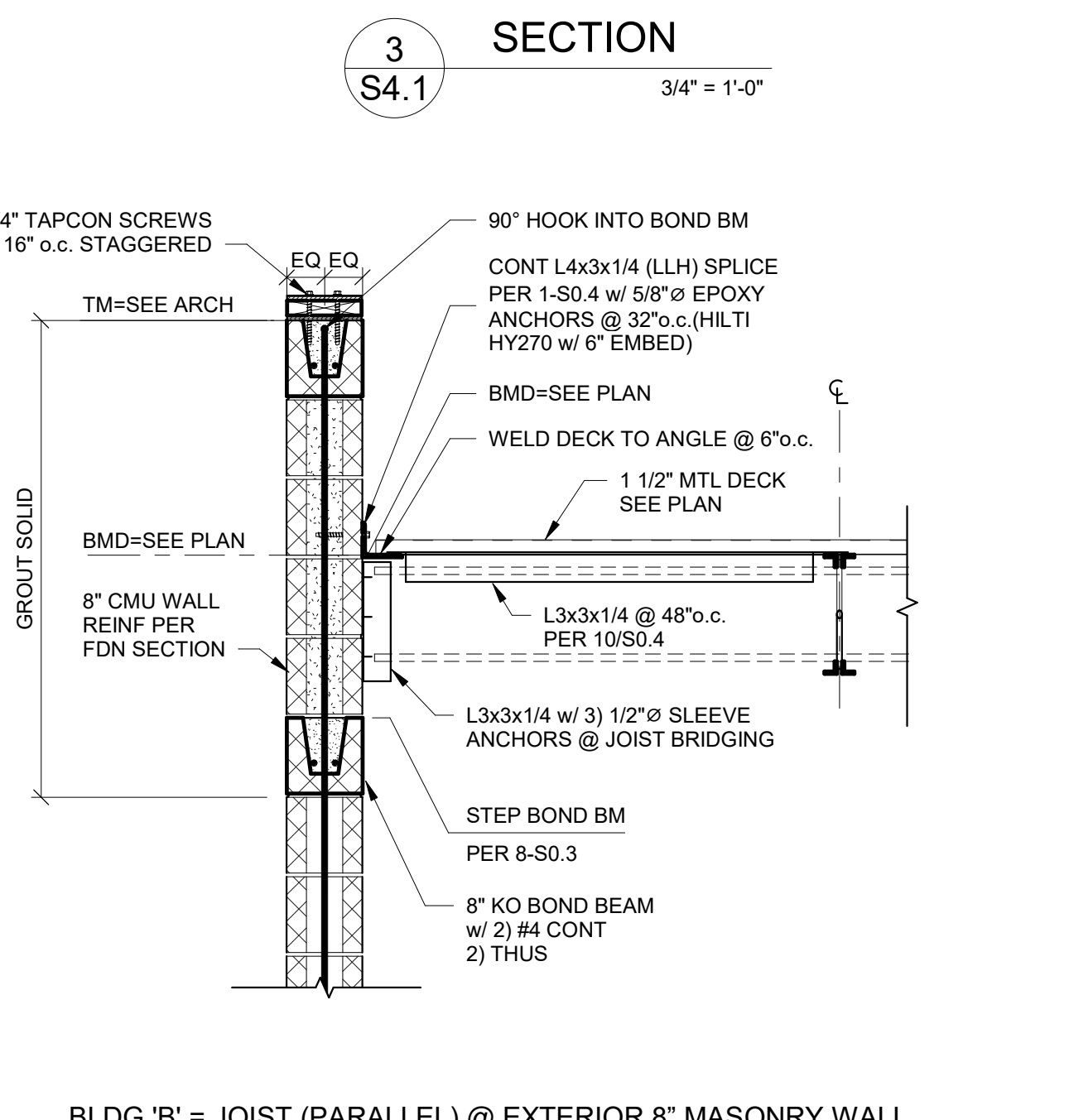
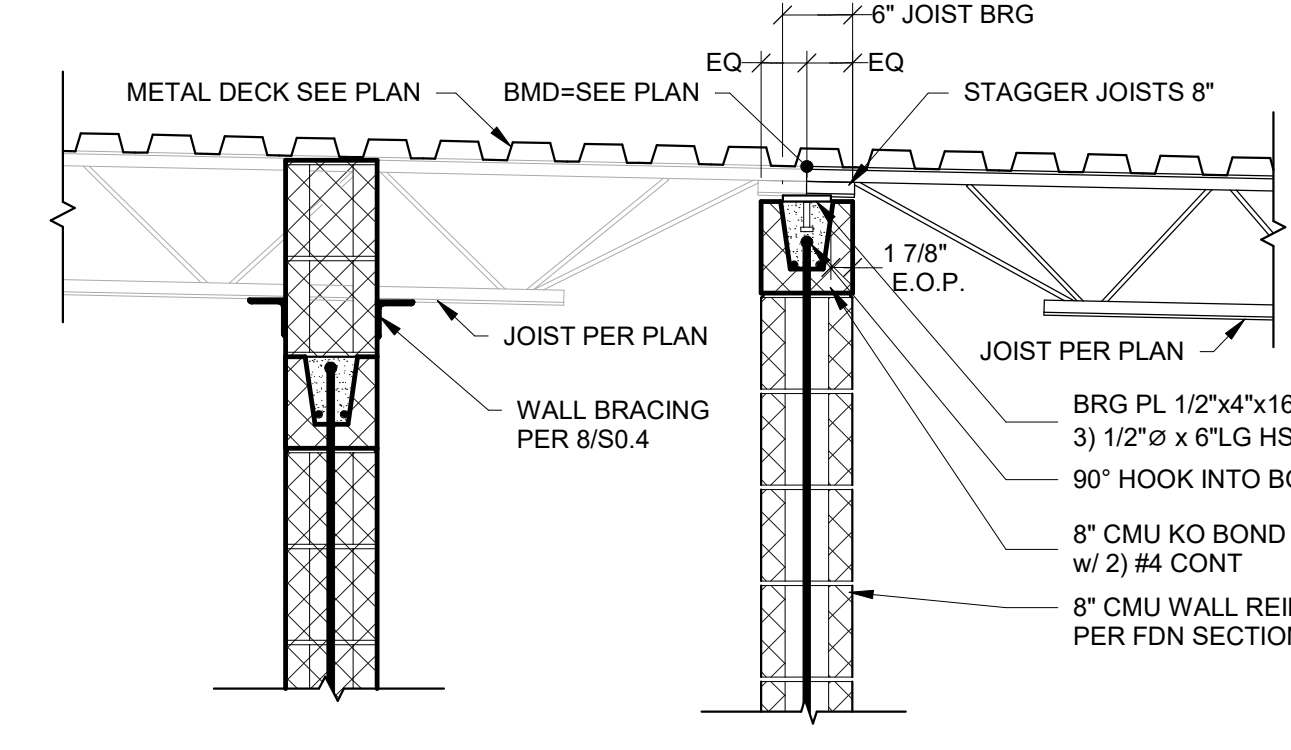
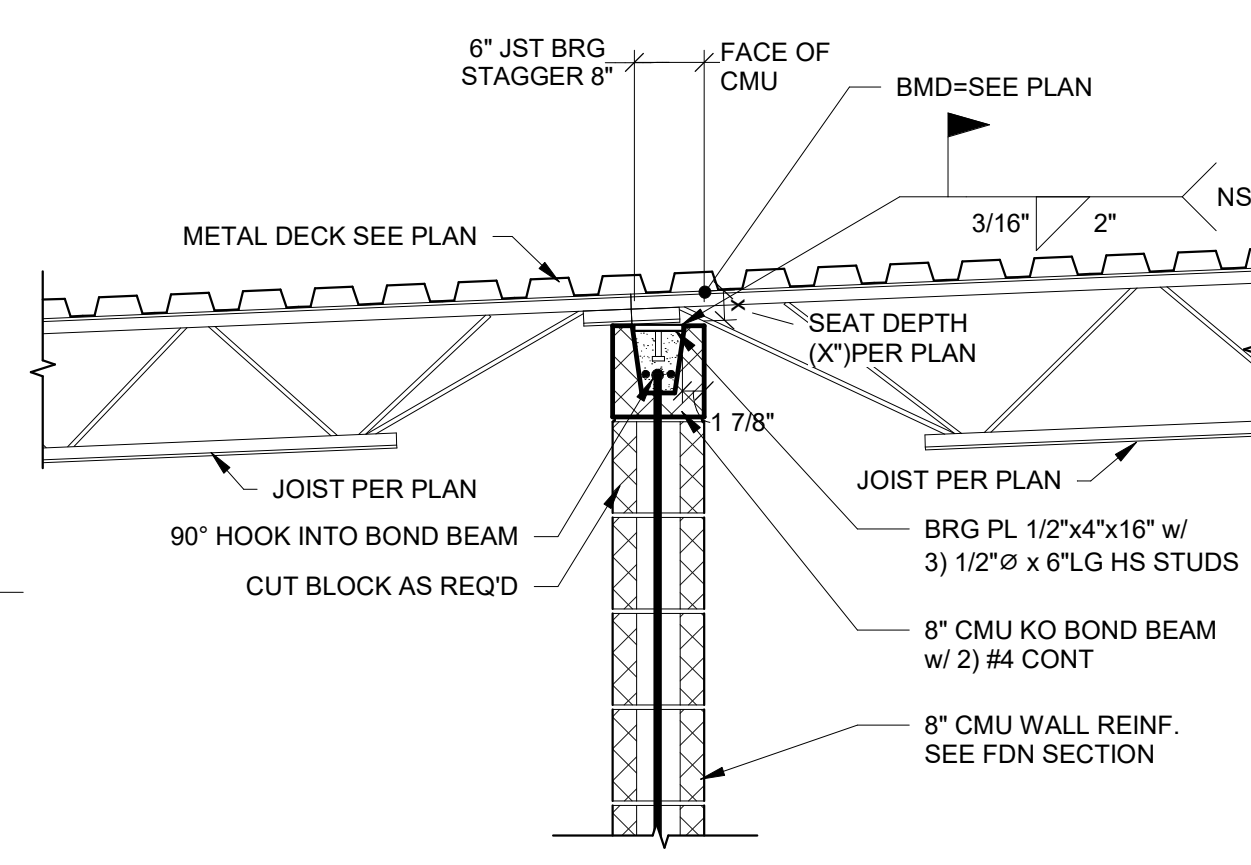
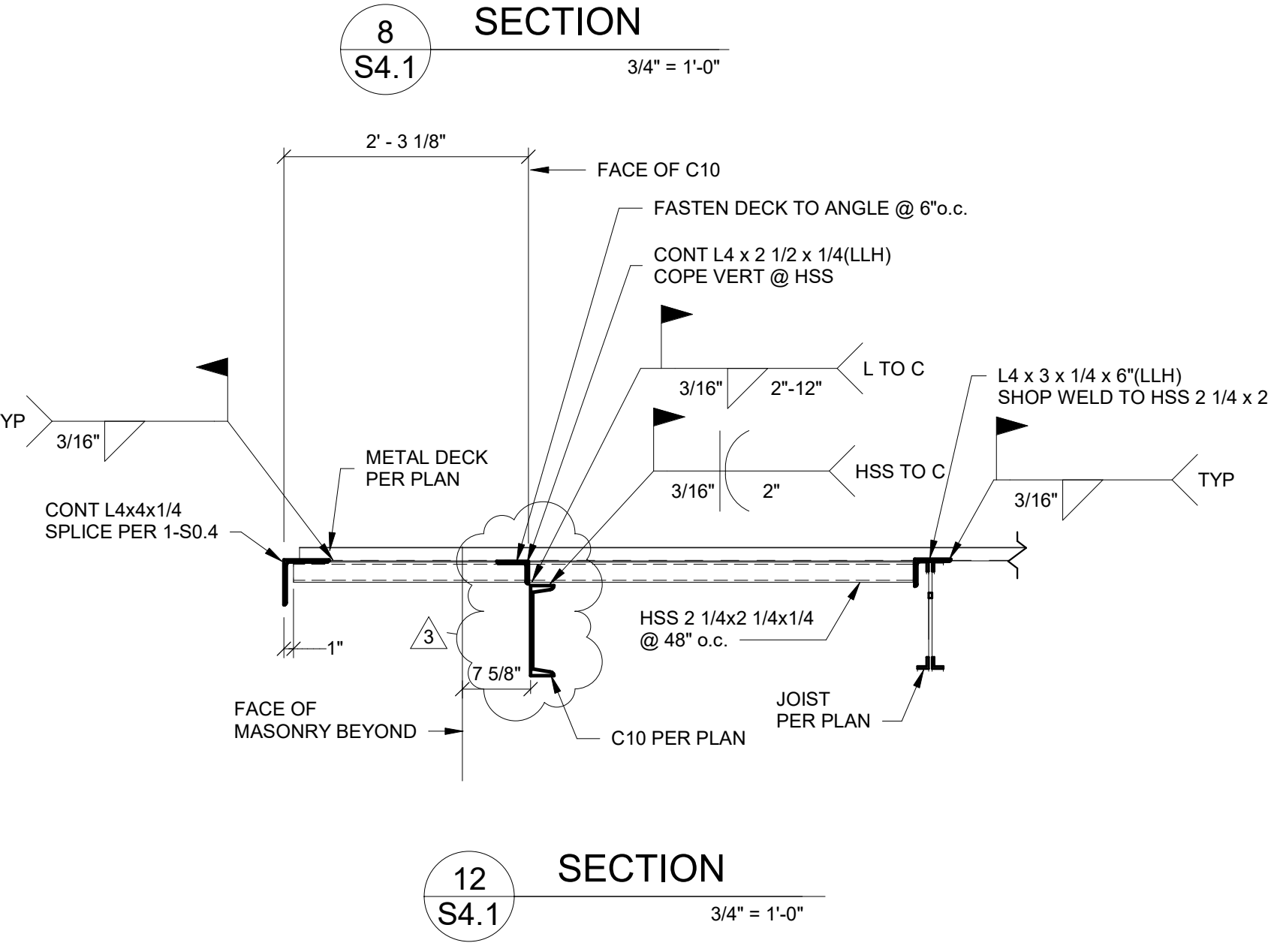
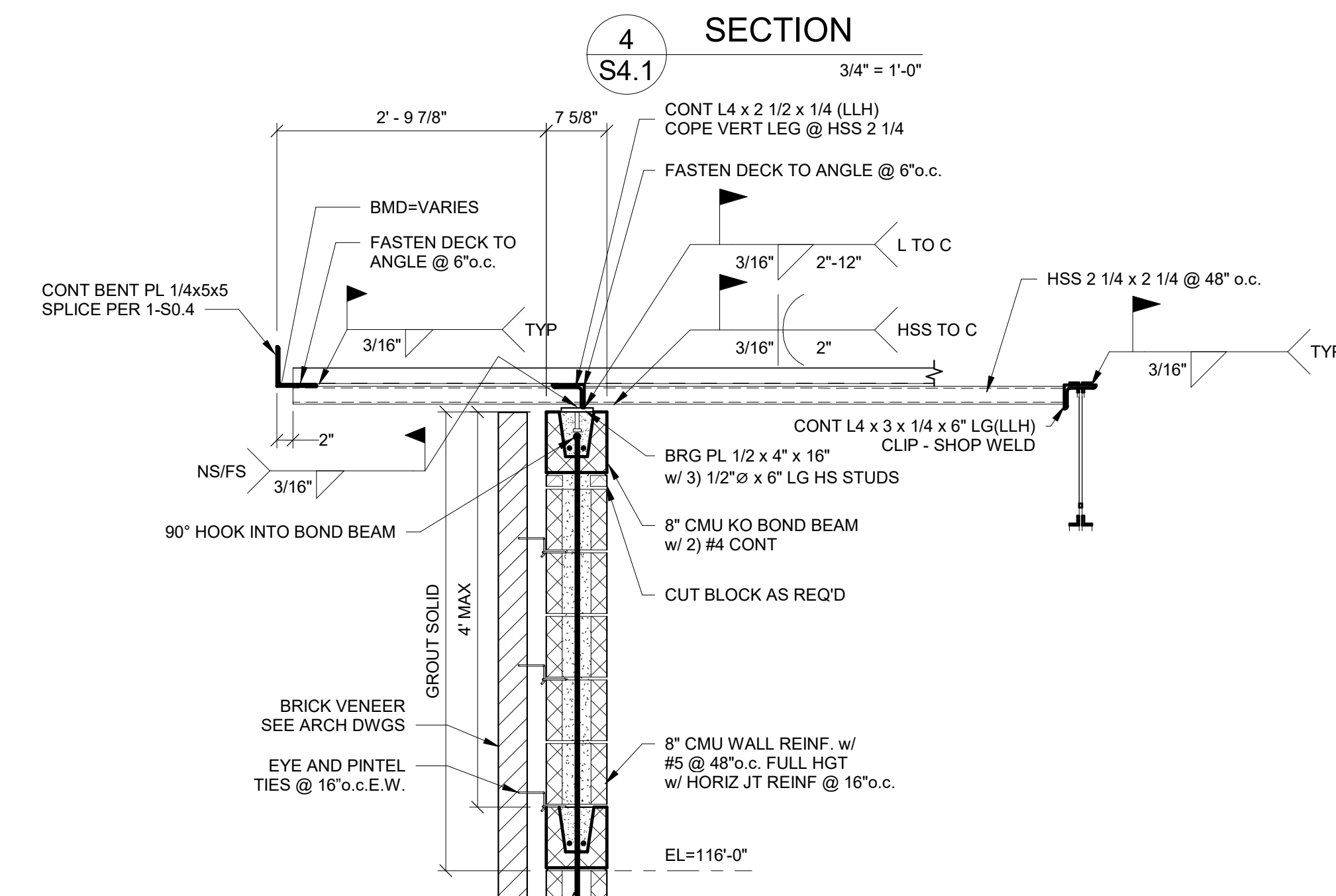
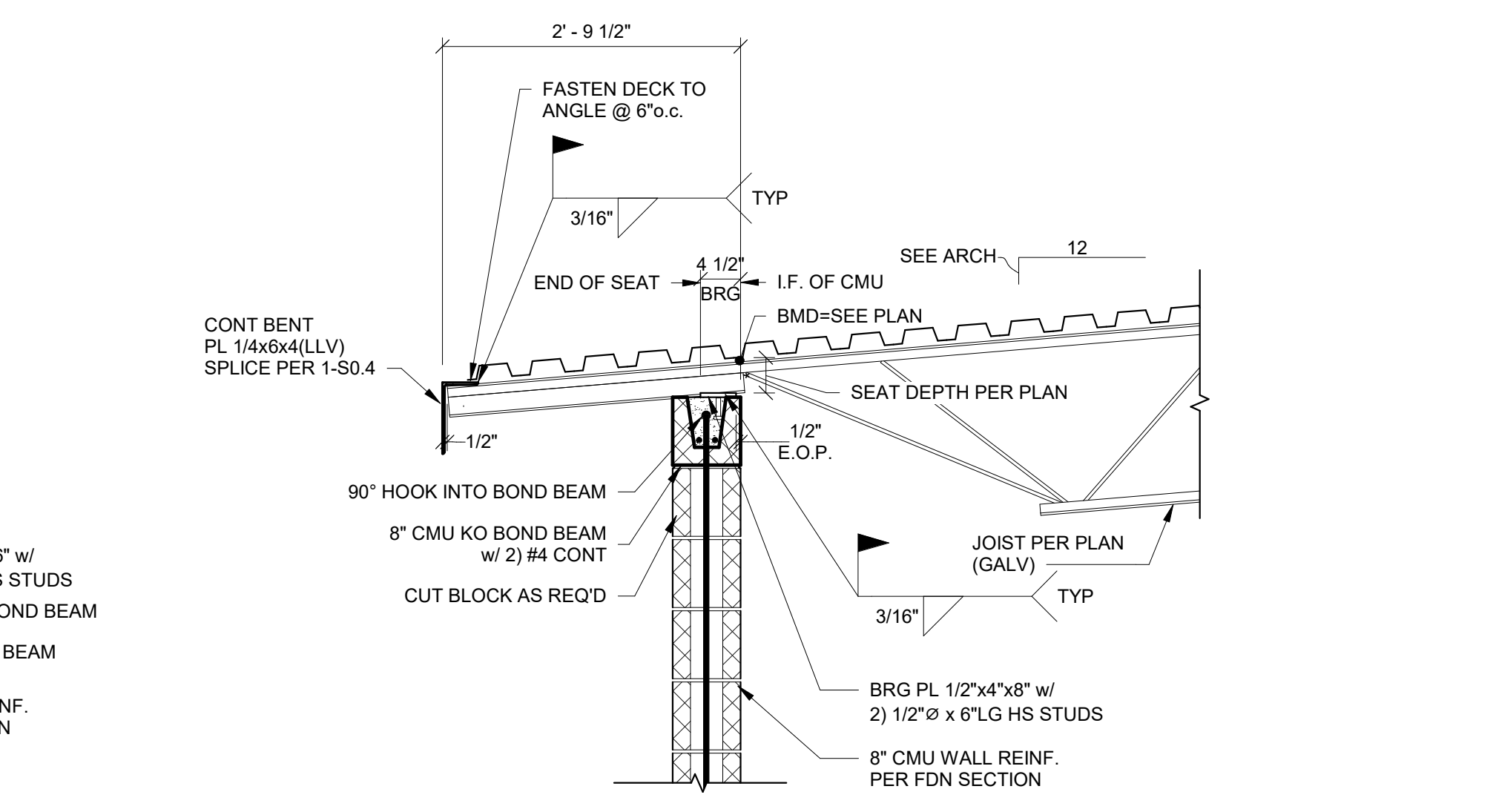
O'FALLON COMMUNITY PARK ENHANCEMENTS
- NEW POOL AND AMPHITHEATER (PHASE 1)

O'FALLON PARKS & RECREATION
411 E. 5TH STREET, O'FALLON, IL 62269

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ROOF FRAMING DETAILS
AND SECTIONS

SHEET NO. **S4.1**

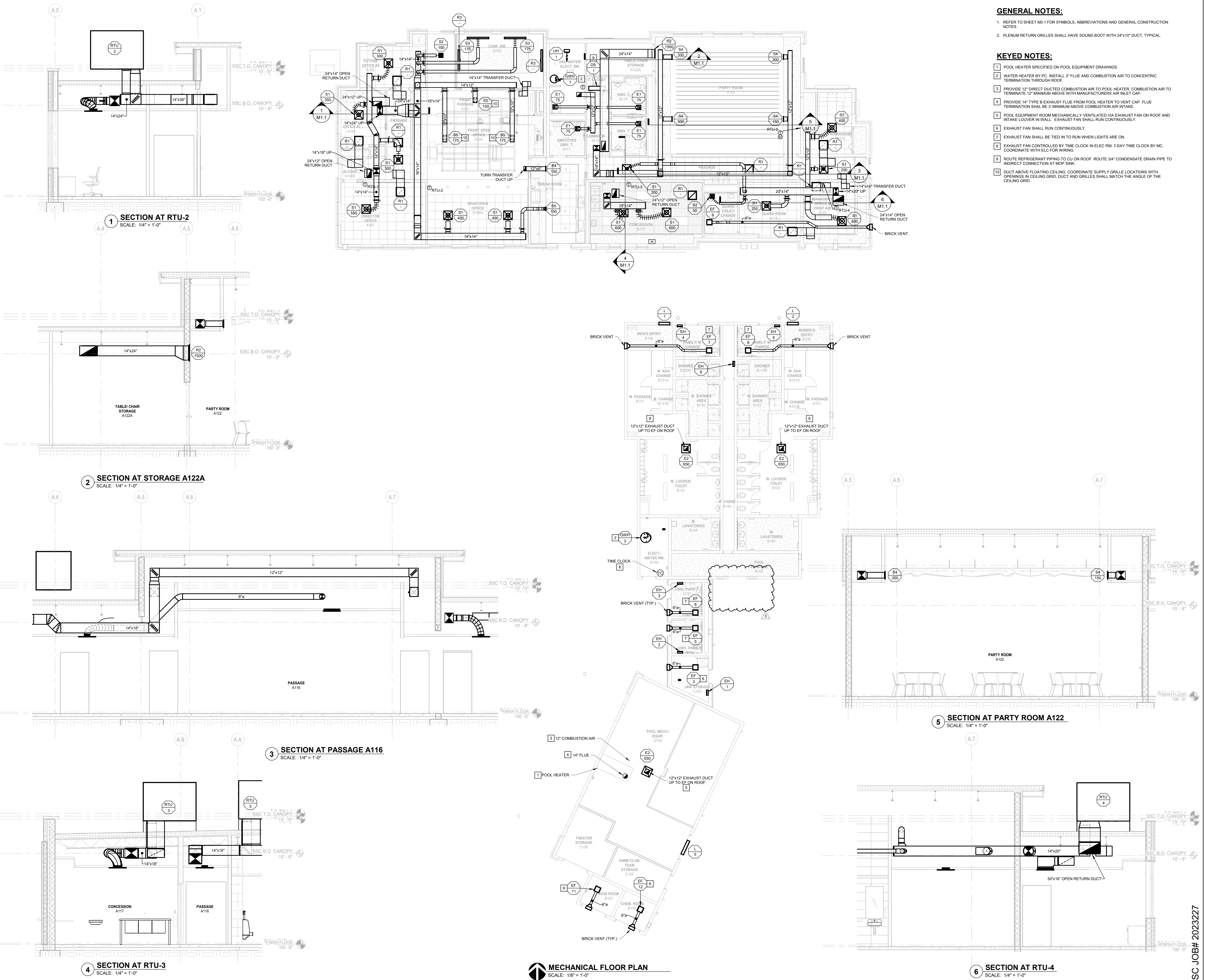


REVISIONS
NO. 1
NO. 2
NO. 3

TYPICAL JOIST BEARING @ EXTERIOR 8" MASONRY WALL

BLDG 'B' = JOIST (PARALLEL) @ EXTERIOR 8" MASONRY WALL

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GENERAL NOTES:

1. REFER TO SHEET M0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. PLENUM RETURN GRILLES SHALL HAVE SOUND BOOT WITH 24"x10" DUCT, TYPICAL.

KEYED NOTES:

1. POOL HEATER SPECIFIED ON POOL EQUIPMENT DRAWINGS.
2. WATER HEATER BY PC. INSTALL 3" FLUE AND COMBUSTION AIR TO CONCENTRIC TERMINATION THROUGH ROOF.
3. PROVIDE 12" DIRECT DUCTED COMBUSTION AIR TO POOL HEATER. COMBUSTION AIR TO TERMINATE 12" MINIMUM ABOVE WITH MANUFACTURERS AIR INLET CAP.
4. PROVIDE 14" TYPE B EXHAUST FLUE FROM POOL HEATER TO VENT CAP. FLUE TERMINATION SHALL BE 3" MINIMUM ABOVE COMBUSTION AIR INTAKE.
5. POOL EQUIPMENT ROOM MECHANICALLY VENTILATED VIA EXHAUST FAN ON ROOF AND INTAKE LOUVER IN WALL. EXHAUST FAN SHALL RUN CONTINUOUSLY.
6. EXHAUST FAN SHALL RUN CONTINUOUSLY.
7. EXHAUST FAN SHALL BE TIED IN TO RUN WHEN LIGHTS ARE ON.
8. EXHAUST FAN CONTROLLED BY TIME CLOCK IN ELEC RM. 7-DAY TIME CLOCK BY MC. COORDINATE WITH ELC FOR WIRING.
9. ROUTE REFRIGERANT PIPING TO CU ON ROOF. ROUTE 3/4" CONDENSATE DRAIN PIPE TO INDIRECT CONNECTION AT ROOF SINK.
10. DUCT ABOVE FLOATING CEILING. COORDINATE SUPPLY GRILLE LOCATIONS WITH OPENINGS IN CEILING GRID. DUCT AND GRILLES SHALL MATCH THE ANGLE OF THE CEILING GRID.



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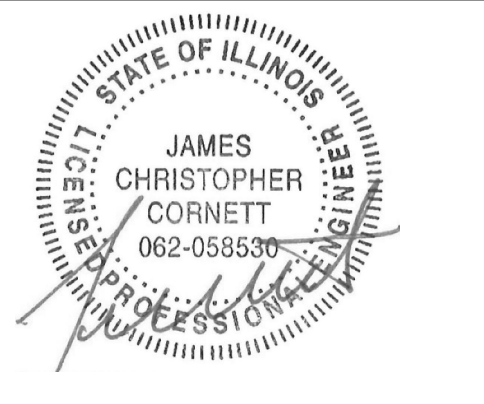
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1	02.14.2024 ISSUED FOR BID/PERMIT
3	02.29.2024 ADDENDUM #2

**O'FALLON COMMUNITY PARK ENHANCEMENTS -
NEW POOL AND AMPHITHEATER (PHASE 1)**

O'FALLON PARKS & RECREATION
411 E. 5TH STREET, O'FALLON, IL 62269

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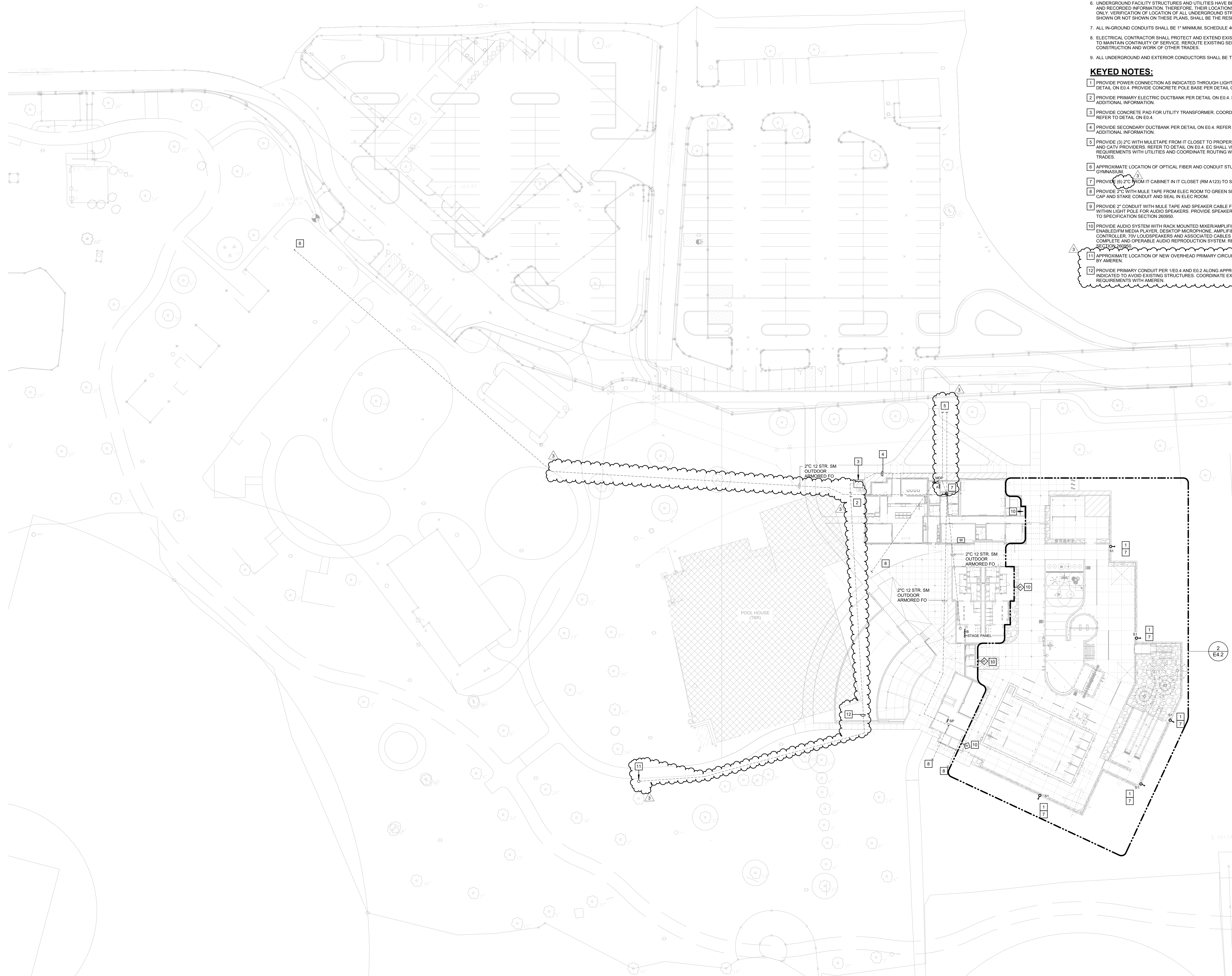
MECHANICAL FLOOR PLAN

SHEET NO.

M1.1

JOB NO. 23-3773.01
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SSC JOB# 2023227



ELECTRICAL GENERAL NOTES:

1. REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. EC SHALL FIELD VERIFY EXISTING POLES, MANHOLES, SPARE CONDUIT, RIGHTS-OF-WAY, UTILITIES, BUILDING LOCATIONS PRIOR TO STARTING WORK. NOTIFY ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST.
3. PROVIDE 180# MULETAPE IN ALL NEW CONDUITS, INNERDUCTS AND IN ALL CONDUITS FOR NEW CABLE RUNS.
4. EC SHALL COORDINATE EXACT LOCATIONS, REQUIREMENTS, METERING AND TERMINATIONS WITH UTILITY PROVIDERS PRIOR TO BID.
5. COORDINATE ALL UNDERGROUND ELECTRICAL WORK AND UTILITY TIE-INS WITH UTILITY PROVIDERS AND WORK OF OTHER TRADES.
6. UNDERGROUND FACILITY STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDED INFORMATION. THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF LOCATION OF ALL UNDERGROUND STRUCTURES AND FACILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. ALL IN-GROUND CONDUITS SHALL BE 1" MINIMUM, SCHEDULE 40 PVC, UNLESS NOTED OTHERWISE.
8. ELECTRICAL CONTRACTOR SHALL PROTECT AND EXTEND EXISTING SERVICES TO EXISTING BUILDINGS TO MAINTAIN CONTINUITY OF SERVICE. REROUTE EXISTING SERVICES AS REQUIRED TO AVOID CONSTRUCTION AND WORK OF OTHER TRADES.
9. ALL UNDERGROUND AND EXTERIOR CONDUCTORS SHALL BE TYPE "XHHW-2".

KEYED NOTES:

- 1 PROVIDE POWER CONNECTION AS INDICATED THROUGH LIGHTING CONTACTOR PER DETAIL ON E0.4. PROVIDE CONCRETE POLE BASE PER DETAIL ON E0.4.
- 2 PROVIDE PRIMARY ELECTRIC DUCTBANK PER DETAIL ON E0.4. REFER TO ONE-LINE FOR ADDITIONAL INFORMATION.
- 3 PROVIDE CONCRETE PAD FOR UTILITY TRANSFORMER. COORDINATE WITH UTILITY AND REFER TO DETAIL ON E0.4.
- 4 PROVIDE SECONDARY DUCTBANK PER DETAIL ON E0.4. REFER TO ONE-LINE FOR ADDITIONAL INFORMATION.
- 5 PROVIDE (3) 2" C WITH MULETAPE FROM IT CLOSET TO PROPERTY LINE FOR PHONE/ISP AND CATV PROVIDERS. REFER TO DETAIL ON E0.4. EC SHALL VERIFY ALL REQUIREMENTS WITH UTILITIES AND COORDINATE ROUTING WITH WORK OF OTHER TRADES.
- 6 APPROXIMATE LOCATION OF OPTICAL FIBER AND CONDUIT STUB UP AT FUTURE SYMNASIUM.
- 7 PROVIDE (8) 2" C FROM IT CLOSET (RM A123) TO SITE AS INDICATED.
- 8 PROVIDE 2" C WITH MULE TAPE FROM ELEC. ROOM TO GREEN SPACE FOR FUTURE USE. CAP AND STAKE CONDUIT AND SEAL IN ELEC. ROOM.
- 9 PROVIDE 2" CONDUIT WITH MULE TAPE AND SPEAKER CABLE FROM AUDIO RACK TO WITHIN LIGHT POLE FOR AUDIO SPEAKERS. PROVIDE SPEAKERS AND MOUNTS. REFER TO SPECIFICATION SECTION 200950.
- 10 PROVIDE AUDIO SYSTEM WITH RACK MOUNTED MIXER/AMPLIFIER, BLUETOOTH ENABLED MP3 MEDIA PLAYER, DESKTOP MICROPHONE, AMPLIFIED LOUDSPEAKER CONTROLLER, TV LOUDSPEAKERS AND ASSOCIATED CABLES AND SUPPORTS FOR A COMPLETE AND OPERABLE AUDIO REPRODUCTION SYSTEM. REFER TO SPECIFICATION SECTION 200950.
- 11 APPROXIMATE LOCATION OF NEW OVERHEAD PRIMARY CIRCUIT POLE TO BE PROVIDED BY AMEREN.
- 12 PROVIDE PRIMARY CONDUIT PER 1.E0.4 AND E0.2 ALONG APPROXIMATE ROUTE INDICATED TO AVOID EXISTING STRUCTURES. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH AMEREN.

ELECTRICAL SITE PLAN
SCALE: 1" = 30'-0"
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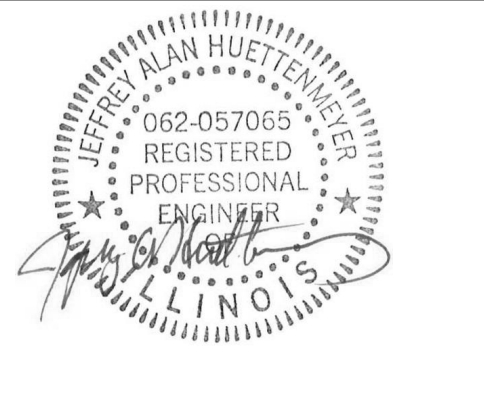
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**O'FALLON COMMUNITY PARK ENHANCEMENTS -
NEW POOL AND AMPHITHEATER (PHASE 1)**
O'FALLON PARKS & RECREATION
411 E. 5TH STREET, O'FALLON, IL 62269
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ELECTRICAL SITE PLAN

SHEET NO.
E0.3

JOB NO. 23-3773.01
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Branch Panel: B

Location: ELECT./ WATER RM. B150
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225

Notes:

Table with columns: CKT NOTE S, CKT, Circuit Description, Trip, Poles, A, B, C, A, B, C, Poles, Trip, Circuit Description, CKT, CKT NOTE S. Includes items like RM B134 HAND DRYER, RM B104 HAND DRYER, RM B104 SUIT SPINNER, etc.

Legend: G=GFCI 5mA CIRCUIT BREAKER

Table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes categories like Lighting, Power, Motor, Receptacle, etc.

Notes:

Branch Panel: SP

Location: POOL MECH/ EQUIP. C154
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22000
Mains Type: MCB
Mains Rating: 400 A
MCB Rating:

Notes:

Table with columns: CKT NOTE S, CKT, Circuit Description, Trip, Poles, A, B, C, A, B, C, Poles, Trip, Circuit Description, CKT, CKT NOTE S. Includes items like SPD (Surge Protective Device), PP1, PP2, LEISURE POOL LGT, etc.

Legend: ST=SHUNT TRIP CB G=GFCI CB 5mA TYPE

Table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes categories like Receptacle, Lighting - Exterior, Heating, etc.

Notes:

Branch Panel: A

Location: JAN. WATER ELECT. RM. A113
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 22000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating:

Notes: SINGLE SECTION PANEL

Table with columns: CKT NOTE S, CKT, Circuit Description, Trip, Poles, A, B, C, A, B, C, Poles, Trip, Circuit Description, CKT, CKT NOTE S. Includes items like SPD (Surge Protective Device), RM A102, A113 RECP, RM A123 DATA RACK RECP A, etc.

Legend: G=GFCI 5mA CIRCUIT BREAKER

Table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes categories like Lighting, Power, Motor, HVAC, Receptacle, Heating, etc.

Notes:

Branch Panel: STAGE PANEL

Location: ELECT./ WATER RM. B150
Supply From: B
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10000
Mains Type: MLO
Mains Rating: 60 A
MCB Rating:

Notes:

Table with columns: CKT NOTE S, CKT, Circuit Description, Trip, Poles, A, B, C, A, B, C, Poles, Trip, Circuit Description, CKT, CKT NOTE S. Includes items like SPD (Surge Protective Device), STAGE RECP A, STAGE RECP B, etc.

Legend: G=GFCI 5mA CIRCUIT BREAKER

Table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes categories like Lighting, Receptacle, etc.

Notes:

Switchboard: MDP

Location: JAN. WATER/ ELECT. RM. A113
Supply From: MDP
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35000
Mains Type: MCB
Mains Rating: 1200 A
MCB Rating: 1000 A

Notes:

Table with columns: CKT, Circuit Description, # of Poles, Frame Size, Trip Rating, Load, Remarks. Includes items like SPD (Surge Protective Device), PANEL A, PANEL SP, etc.

Legend:

Table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes categories like Lighting, Power, Motor, HVAC, Receptacle, Lighting - Exterior, Heating, etc.

Notes:

GENERAL NOTES:

- 1. VERIFY AND COORDINATE ALL CIRCUIT BREAKER FOR MECHANICAL, PLUMBING, CONCESSIONS AND POOL EQUIPMENT WITH APPLICABLE TRADES PRIOR TO ORDERING PANELS.
2. AIC RATINGS ARE MINIMUM PERMISSIBLE TO MAINTAIN A FULLY RATED SYSTEM.
3. PROVIDE TYPEWRITTEN, FINAL ACCURATE PANEL SCHEDULES IN EACH PANEL.



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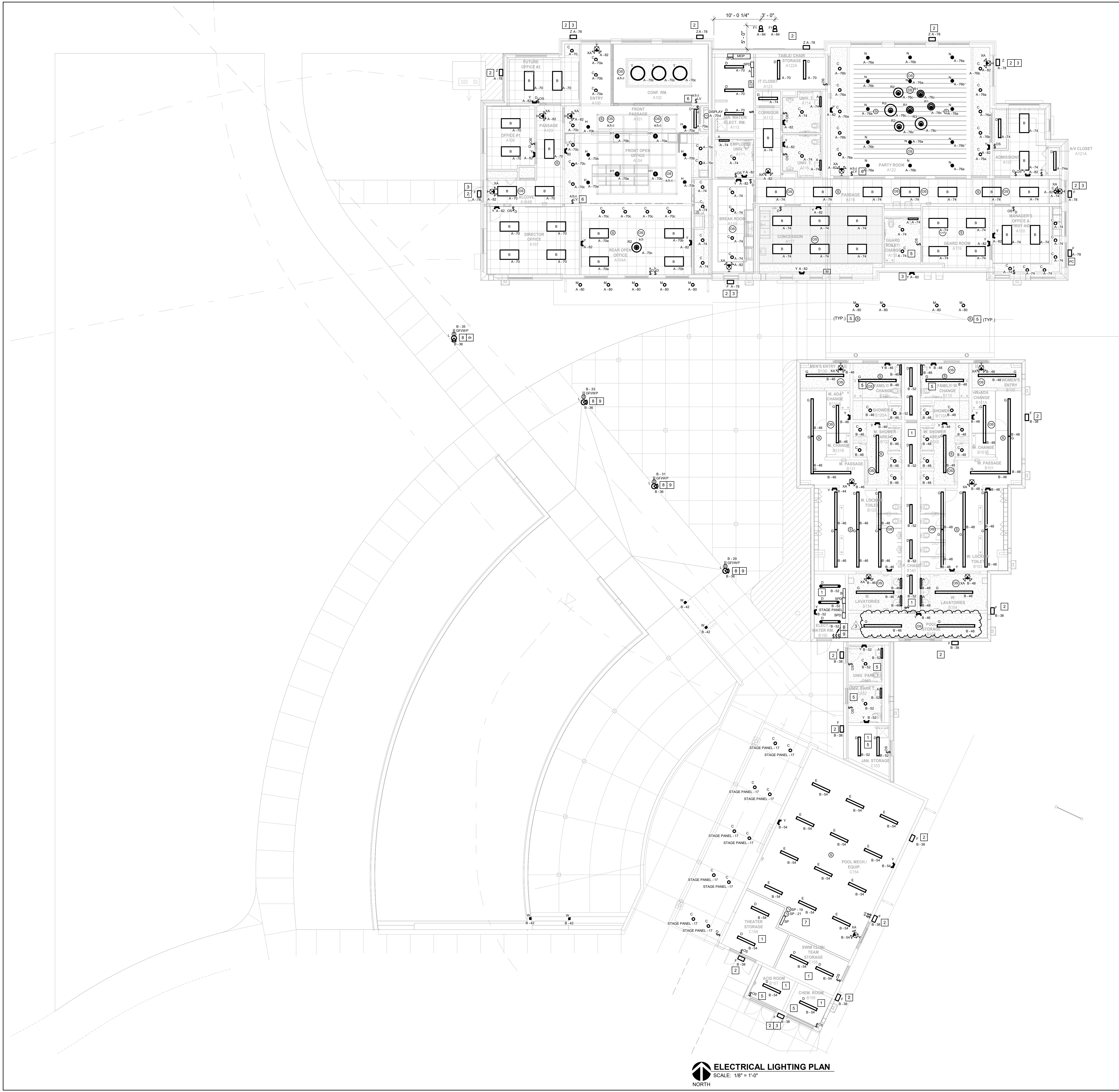
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O'FALLON PARKS & RECREATION
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ELECTRICAL PANEL SCHEDULES

SHEET NO. E0.6

JOB NO. 23-3773.01
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ELECTRICAL LIGHTING PLAN
 SCALE: 1/8" = 1'-0"
 NORTH

ELECTRICAL GENERAL NOTES:

1. REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. REFER TO THE ELECTRICAL DETAILS SHEET(S) FOR LIGHTING CONTROL SCHEMATIC.
3. REFER TO THE ELECTRICAL DETAILS SHEET(S) FOR SEISMIC SUPPORTS OF LIGHTING FIXTURES.
4. SUSPENDED CEILING SYSTEMS ARE DESIGNED TO SUPPORT THE WEIGHT OF ALL LIGHTING FIXTURES. THE STRUCTURAL FRAMING SHALL SUPPORT ALL CONDUITS, JUNCTION BOXES, ETC ABOVE CEILINGS.
5. EMERGENCY LIGHTING SHALL BE SWITCHED AND NOT BE USED AS A NIGHT LIGHT. CONNECT EMERGENCY BALLAST VOLTAGE SENSING LEADS AHEAD OF SWITCH LEG OR OTHER CONTROL DEVICE.

KEYED NOTES:

1. INSTALL LUMINAIRE 10' AFF FROM THE BOTTOM OF FIXTURE.
2. PROVIDE BRANCH CIRCUIT THROUGH LIGHTING CONTACTOR. REFER TO DETAIL 18/E0.4
3. PROVIDE UNSWITCHED HOT LEG FOR VOLTAGE SENSING TO EMERGENCY BATTERY DRIVER.
4. PROVIDE POWER CONNECTION TO BUILDING MOUNTED BACKLIT SIGN THROUGH WALL MOUNTED DISCONNECT SWITCH HIGH ON WALL. REFER TO ARCHITECTURAL PLAN.
5. PROVIDE POWER TO EE THROUGH OCCUPANCY SENSOR ALSO CONTROLLING THE LIGHTS IN THIS AREA. REFER TO E4.1.
6. PROVIDE LOW VOLTAGE LIGHTING CONTROL SYSTEM EQUIVALENT TO WATSTOPPER DIAL 3 ZONE DIMMING CONTROLLER WITH WALL SWITCH OCCUPANCY SENSORS. PHOTOCELL, AND RELAY FOR A COMPLETE AND OPERABLE SYSTEM.
7. PROVIDE 120V POWER CONNECTION TO LOW VOLTAGE TRANSFORMER WIRE (#12 AWG) FROM THE (12V) SECONDARY SIDE OF THE TRANSFORMER (INTERMATIC PX505) TO THE JUNCTION BOX (INTERMATIC PJB2175). EXTEND WIRE TO 12V POOL LIGHTING FIXTURES. ADJUST THE TRANSFORMER TAP SETTING ACCORDING TO THE MANUFACTURER'S GUIDELINES.
8. PROVIDE PEDESTRIAN SCALE LUMINAIRE, CONCRETE BASE AND RECEPTACLE IN POLE AS INDICATED REFER TO DETAIL 20/E0.4. PROVIDE SWITCH IN ELEC RIBB FOR LOCAL CONTROL OF TYPE "L" LIGHTS DOWN STREAM FROM LIGHTING CONTACTOR. PROVIDE SIGN INDICATING USE OF SWITCH.
9. PROVIDE 4-POLE 120, 20A LIGHTING CONTACTOR WITH 120V COIL WIRE CIRCUITS TO GFI RECEPTACLES MOUNTED TO TYPE "L" POLES THROUGH CONTACTORS. PROVIDE SWITCH AND RUN 120V CONTROL COIL THROUGH CONTACTOR TO CONTACTOR CIRCUIT FOR LOCAL CONTROL. PROVIDE SIGN INDICATING USE OF SWITCH.



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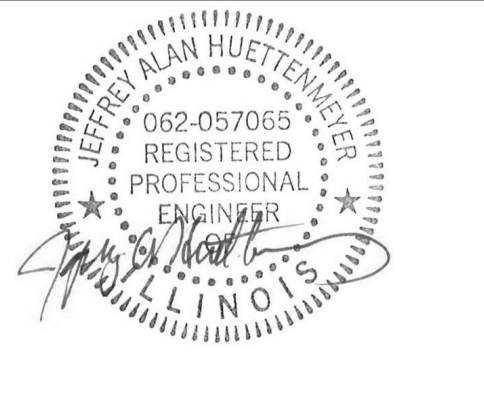
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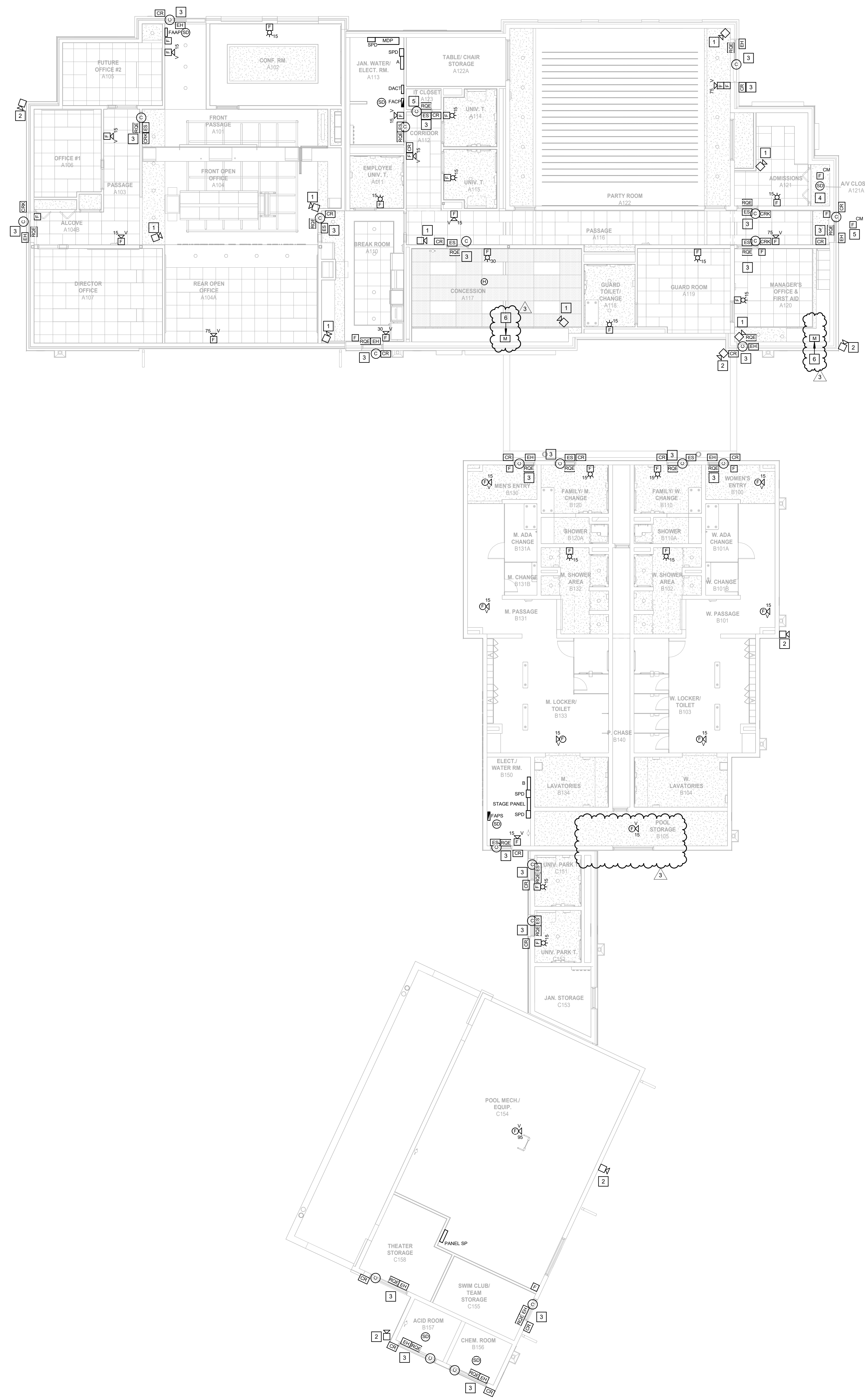
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NO	DESCRIPTION
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**O'FALLON COMMUNITY PARK ENHANCEMENTS -
 NEW POOL AND AMPHITHEATER (PHASE 1)**
 O'FALLON PARKS & RECREATION
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ELECTRICAL LIGHTING PLAN
 SHEET NO.
E1.1
 JOB NO. 23-3773.01
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VOICE/DATA, ACCESS CONTROL, AND VIDEO SURVEILLANCE INCLUDES ROUGH-IN BOXES, PATHWAYS, CONDUIT TO ABOVE CEILING AND ACCESSIBLE CEILING, CAT 6 CABLE, JACKS, TERMINATIONS, PULL STRINGS, AND COVERPLATES. OWNER'S VENDOR WILL FURNISH AND INSTALL BACK PATCH PANELS, EQUIPMENT, ELECTRONICS, CAMERAS, AND HEAD END.

ELECTRICAL GENERAL NOTES:

- REFER TO SHEET ED.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
- ALL MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND HVAC WORK SHALL BE COORDINATED BY THE CONTRACTOR DOING THE WORK. ANY CORRECTIONS SHALL BE AT THAT CONTRACTOR'S EXPENSE.
- REFER TO ELECTRICAL DETAILS SHEET(S) FOR ADDITIONAL ACCESS CONTROL, SECURITY & VIDEO SURVEILLANCE REQUIREMENTS.
- PROVIDE 120V POWER AND LOW VOLTAGE ROUGH-INS FOR DOOR ACCESS CONTROL AND SECURITY DEVICES AS REQUIRED. COORDINATE WITH APPLICABLE TRADES. REFER TO DOOR HARDWARE SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- REFER TO DETAILS 7 AND 8 ON ED.5 FOR ADDITIONAL FIRE ALARM REQUIREMENTS.

KEYED NOTES:

- PROVIDE ROUGH-IN FOR CAMERA WITH CABLE AND JACK. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER AND APPLICABLE TRADES.
- PROVIDE WEATHER PROOF WHILE IN USE WALL MOUNTED DATA OUTLET FOR EXTERIOR RATED CAMERA. COORDINATE WITH ARCHITECT AND C.C. FOR EXACT MOUNTING HEIGHT.
- PROVIDE ACCESS CONTROL SYSTEM COMPLETE WITH CARD READER, DOOR CONTACT, REQUEST TO EXIT SENSOR AND ALL CABLING FOR ELECTRIC STRIKE FURNISHED BY DIV 8 AND WIRED BY E.C.
- NOTED FIRE ALARM CONTROL MODULE WILL SUPERVISE AUDIO SYSTEM POWER. IN THE EVENT OF A ALARM POWER IS TO BE SWITCHED OFF TO THE AUDIO SYSTEM.
- PROVIDE FIRE CONTROL MODULE FOR RELEASE OF ACCESS CONTROL LOCK UPON FIRE ALARM CONDITION.
- PROVIDE DUAL XLR MICROPHONE JACKS FLUSH MOUNTED IN WALL BOX AND CONNECTED TO AV RACK IN AV CLOSET A121A.

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JEFFREY ALAN HUETTENMEYER - P.E.
 ST #062-057065 EXP: 11/30/2025
 The seal and signature apply only to the Documents to which they are Affixed, and I expressly Disclaim any Responsibility for all other Plans, Specifications, Estimates, Reports, or other Documents or Instruments relating to or intended to be used for any part or parts of the Architectural or Engineering Project.
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 DATE 02/29/2024

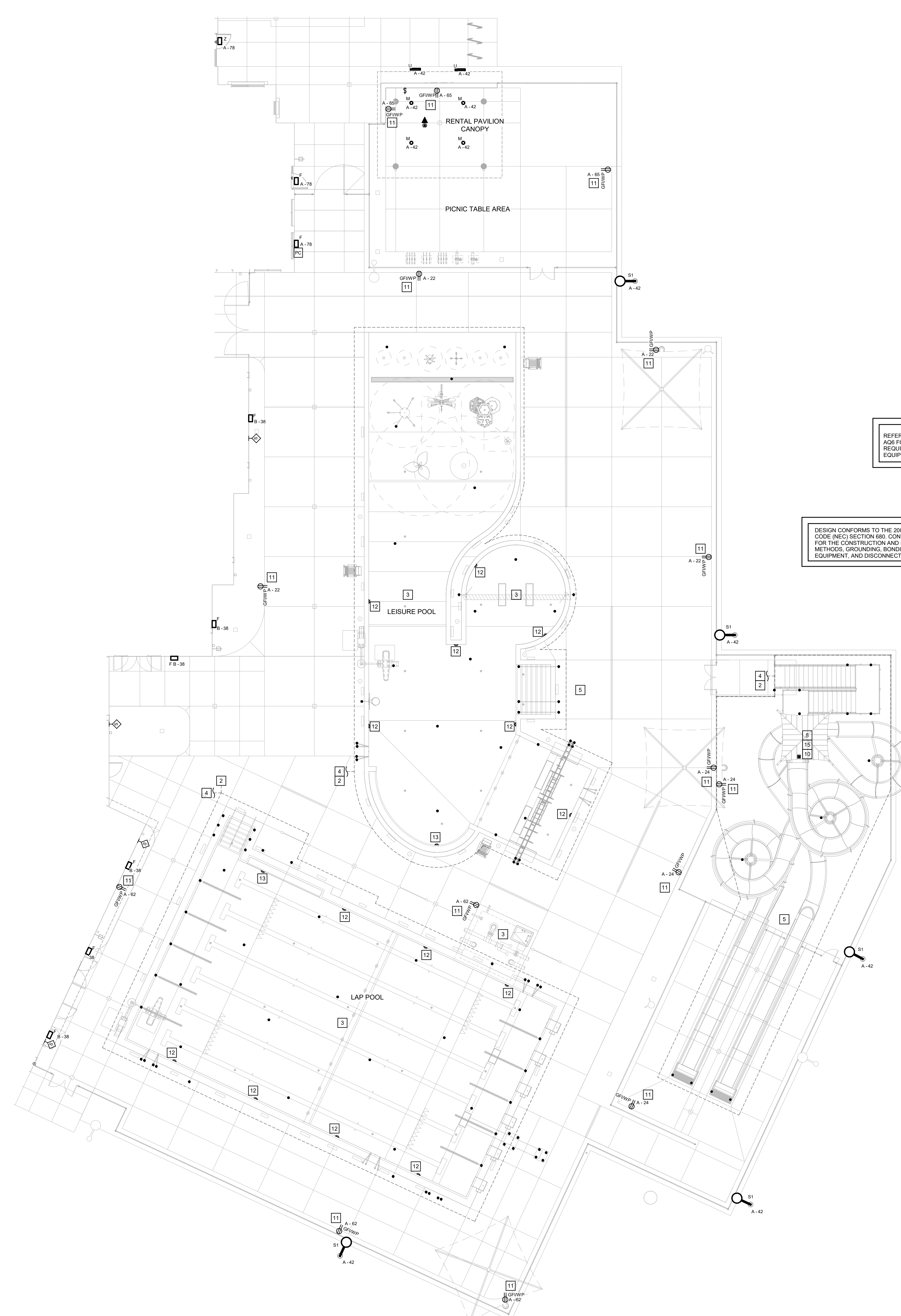
ISSUANCE		
NO	DATE	DESCRIPTION
0	12.22.2023	IDPH SUBMISSION #1
1	02.14.2024	ISSUED FOR BID/PERMIT
3	02.29.2024	ADDENDUM #2

**O'FALLON COMMUNITY PARK ENHANCEMENTS -
 NEW POOL AND AMPHITHEATER (PHASE 1)**
 O'FALLON PARKS & RECREATION
 411 E. 5TH STREET, O'FALLON, IL 62269
ISSUED FOR BID / PERMIT

**ELECTRICAL FIRE ALARM &
 SECURITY PLAN**
 SHEET NO.
E3.1
 JOB NO. 23-3773.01
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ELECTRICAL FIRE ALARM & SECURITY PLAN
 SCALE: 1/8" = 1'-0"
 NORTH

SSC JOB# 2023227



ELECTRICAL SITE PLAN - POOL EXTENTS
SCALE: 1" = 10'-0"
NORTH

REFER TO AQUATIC PLANS A6 FOR DETAILS AND REQUIRED POOL EQUIPMENT

DESIGN CONFORMS TO THE 2008 VERSION OF NFPA 70 NATIONAL ELECTRICAL CODE (NEC) SECTION 680. CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS FOR THE CONSTRUCTION AND INSTALLATION, INCLUDING GFCIS, WIRING METHODS, GROUNDING, BONDING, BOXES, MOTORS, LIGHTING, RECEPTACLES, EQUIPMENT, AND DISCONNECTS AS REFERENCED IN THE NEC.

ELECTRICAL GENERAL NOTES:

1. REFER TO SHEET E0.1 FOR SYMBOLS, ABBREVIATIONS AND GENERAL CONSTRUCTION NOTES.
2. ALL MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND HVAC WORK SHALL BE COORDINATED BY THE CONTRACTOR DOING THE WORK. ANY CORRECTIONS TO ANY OF THE ABOVE SHALL BE AT THAT CONTRACTOR'S EXPENSE.
3. ALL DISCONNECTS REQUIRED SHALL BE PROVIDED BY THE E.C. U.N.O. SEE MECHANICAL & PLUMBING EQUIPMENT SCHEDULE(S) FOR EQUIPMENT DETAILS AND FOR DISCONNECTS FURNISHED BY OTHERS. REFER TO MANUFACTURER'S SPECIFICATIONS FOR MECHANICAL & PLUMBING EQUIPMENT CONNECTION DETAILS. COORDINATE WITH APPLICABLE TRADES.
4. PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDERS, SIZED IN ACCORDANCE WITH NEC ARTICLE 250.122. SEE SPECIFICATIONS.
5. ALL EXTERIOR ELECTRICAL EQUIPMENT AND DISCONNECT SWITCHES SHALL BE IN RATED NEMA 3R OR 4X ENCLOSURES. FINAL CONDUIT CONNECTIONS TO MECHANICAL EQUIPMENT SHALL BE MADE WITH LFMC.
6. NO OVERHEAD ELECTRICAL WIRING, EXCEPT WHEN SECURED WITHIN A CEILING, SHALL PASS WITHIN 20 FEET OF THE POOL ENCLOSURE.
7. ELECTRICAL INSPECTOR SHALL APPROVE BONDING OF REINFORCING POOL FITTINGS AND CONDUIT PRIOR TO THE APPROVAL OF REINFORCING STEEL FOR POURING OF CONCRETE OR GUNITE.
8. PROVIDE ALL BONDING CONNECTIONS USING UL LISTED COMPONENTS.

KEYED NOTES:

1. CONNECT POOL BONDING CONDUCTOR TO POOL PUMP, WATERSLIDE PUMP, CONTROLLER, FEED PUMPS, ETC. AND PANEL BOARD SP GROUND BUS. REFER TO POOL AND ELECTRICAL DRAWINGS.
2. PROVIDE BONDING MAT BELOW POOL DECK FROM INSIDE FACE OF POOL WALL TO 36" OUTSIDE POOL WALL AND BOND TO SWIMMING POOL GROUNDING SYSTEM AS DETAILED. REFER ALSO TO TREAT AND 1.2/AD.6.
3. PROVIDE POOL SHELLED BONDING OF REINFORCING STEEL, LADDER, RAILINGS, SIGHT SUMP, LID, ANCHORS, INSERTS, PUMPS, DRAINS, EQUIPMENT, LIGHTS AND ELECTRICAL SYSTEM PER BONDING DETAIL ON E0.4. COORDINATE INSTALLATION OF BONDING WITH BUILDING AND POOL CONSTRUCTION AND APPLICABLE TRADES. REFER TO POOL AND ELECTRICAL DRAWINGS.
4. CONNECT POOL BONDING CONDUCTOR TO MECHANICAL AND ELECTRICAL EQUIPMENT.
5. CONNECT WATER SLIDE FOUNDATION TO POOL BONDING GRID.
6. INTERLOCK POOL RECIRCULATION PUMP(S) WITH ITS CORRESPONDING VFD, WATER CHEMISTRY CONTROLLER AND CHEMICAL FEED PUMPS. REFER TO 1/AQ6.3, 2/AQ6.3, 1.2/AQ7.0.
7. PROVIDE COMBINATION SWITCH/ RECEPTACLE WIRING DEVICE FOR CHEMICAL PUMP CONTROLLER. SWITCH SHALL CONTROL RECEPTACLE POWER. REFER TO 2/AQ6.3.
8. PROVIDE COMBINATION SWITCH/ RECEPTACLE WIRING DEVICE FOR ACID FEED PUMP. SWITCH SHALL CONTROL RECEPTACLE POWER. REFER TO 2/AQ6.3.
9. CONDUIT SHALL BE ROUTED OVERHEAD AND BE SCHED 40 PVC IN POOL EQUIPMENT ROOM, U.N.O.
10. PROVIDE EMERGENCY POWER OFF PUSH BUTTON TO OPERATE SHUNT TRIP BREAKERS IN PANEL SP FOR POOL PUMPS PP-5 AND PP-6.
11. PROVIDE GFCI RECEPTACLE IN WEATHER RESISTANT BOX AND COVER. MAINTAIN AT LEAST 1/4" CLEAR FROM INSIDE WALL OF POOL. MOUNT RECEPTACLE AT 18" A.F.F.
12. PROVIDE 120V POWER CONNECTION TO UNDERWATER LIGHT FIXTURE PER NEC REQUIREMENTS, ROUTE CONDUIT ABOVE POOL WATER LEVEL. REFER TO 10/AQ2.2 AND 11/AQ2.1 FOR DETAIL.
13. PROVIDE 12V POWER CONNECTION TO UNDERWATER LIGHT FIXTURE PER NEC REQUIREMENTS, ROUTE CONDUIT ABOVE POOL WATER LEVEL. REFER TO 11/AQ2.2 FOR DETAIL.
14. PROVIDE INTERMATIC PX905 120V/12 V TRANSFORMER FOR POWERING SWIMMING POOL SHELLED LIGHTS. WIRE WITH #12 COPPER CONDUCTORS THROUGH POOL L.T.G. BOX EQUIVALENT TO INTERMATIC #PB4175 WITH MOUNTING BRACKET #PA114. INSTALL J-BOX AT LEAST 4" FROM INSIDE WALL OF POOL, AT LEAST 8" ABOVE MAXIMUM WATER LEVEL AND AT LEAST 4" ABOVE POOL DECK. BOND TO POOL EQUIPMENT BONDING GRID.
15. PROVIDE EMERGENCY POWER OFF PUSHBUTTONS AT MANAGERS' OFFICE AND AT TOP OF SLIDE TO OPERATE SHUNT TRIP BREAKERS FOR PP-5 AND PP-6 TO SHUT DOWN PUMPS.
16. PROVIDE POWER CONNECTIONS TO POOL HEATER.
17. PROVIDE POWER TO WATER LEVEL CONTROLLER. REFER TO 5 AND 6/AQ6.6.
18. PROVIDE POWER CONNECTION TO LIV CONTROL PANEL, LIV LIGHTS AND CHEMICAL CONTROLLER PER 3/AQ6.3 AND 3/AQ6.3. LATER LOCK LIV SYSTEM WITH CORRESPONDING CHEMICAL CONTROLLER AND RECIRCULATION PUMP.
19. CONTROL PANELS FOR LEISURE AND LAP POOLS. REFER TO AQX.X DRAWINGS.
20. POOL PUMP DISCONNECTS SHALL BE NEMA 4X SS AND HAVE AUXILIARY CONTACTS T SHUT DOWN VFD WHEN SWITCH IS OPEN. PROVIDE POWER AND CONTROL WIRING BETWEEN DISCONNECT AND VFD.



ELECTRICAL ENLARGED EQUIPMENT PLAN
SCALE: 1/4" = 1'-0"
NORTH

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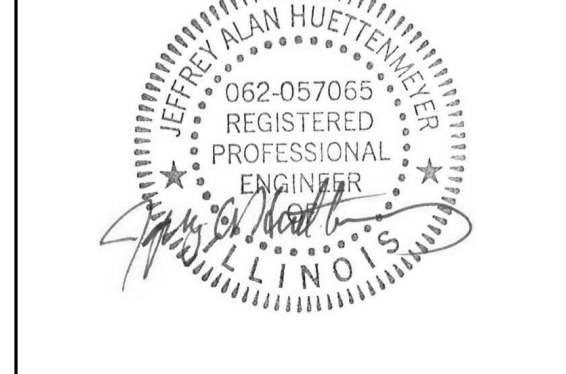
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NO. 184-050478-0002



JEFFREY ALAN HUETTENMEYER - P.E.
ST #062-057065 EXP: 11/30/2025
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DATE 02/29/2024

ISSUANCE	
NO	DESCRIPTION
0	12.22.2023 IDPH SUBMISSION #1
1	02.14.2024 ISSUED FOR BID/PERMIT
3	02.29.2024 ADDENDUM #2

O'FALLON COMMUNITY PARK ENHANCEMENTS - NEW POOL AND AMPHITHEATER (PHASE 1)
O'FALLON PARKS & RECREATION
411 E. 5TH STREET, O'FALLON, IL 62269
ISSUED FOR BID / PERMIT

ELECTRICAL EQUIPMENT ENLARGED PLAN
SHEET NO.
E4.2
JOB NO. 23-3773.01
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SSC JOB# 2023227



SUBSTITUTION REQUEST (During the Bidding Phase)

Project NEW POOL AND AMPHITHEATER (PHASE 1) Substitution Request Number:
O'FALLON PARKS AND RECREATION
From: Ace Sign Co.
To: Date: 2/23/2024
A/E Project Number: 23-3773.01
Re: Contract For: Signage

Specification Title: Signage (Interior & Exterior) Description: Panel, Dimensional Signage
Section: 10 1419 Page: 3 & 5 Article/Paragraph: 2.2A(2) and 2.3C(1)

Proposed Substitution: Panel signage & acrylic dimensional letter set made by Ace
Manufacturer: Ace Sign Co. Address: 2540 S. First Street, Springfield, IL 62704 Phone: 217-522-8417
Trade Name: Fill in Series Model No.:

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

- The Undersigned certifies:
- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Jane E. Mosey-Nicoletta
Signed by: Jane E. Mosey-Nicoletta Signature required
Firm: Ace Sign Co.
Address: 2540 S. First Street Springfield, IL 62704
Telephone: 217-522-8417 (Jane's Direct # 217-717-1610)

A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 013300.
Substitution approved as noted - Make submittals in accordance with Specification Section 013300.
Substitution rejected - Use specified materials.
Substitution Request received too late - Use specified materials.

Signed by: Brennan Hartin - FGM Architects Date: 2.27.2024

Supporting Data Attached: Drawings Product Data Samples Tests Reports



SUBSTITUTION REQUEST (During the Bidding Phase)

Project NEW POOL AND AMPHITHEATER (PHASE 1) O'FALLON PARKS AND RECREATION
Substitution Request Number: 01
From: Michael Mueth - Toenjes Brick Contracting
To: FGMA
Date: February 27, 2024
A/E Project Number: 23-3773.01
Re: Ground Face Masonry Units
Contract For: Masonry

Specification Title: Concrete Unit Masonry Description: Prefaced Ground Face CMU Units
Section: 04-22-00 Page: 6 Article/Paragraph: 2.3 D

Proposed Substitution: B.P. "Brilliant Stone" in lieu of "Basis of Design" Colors
Manufacturer: Building Products Address: 494 W. 33rd St. East St Louis, IL Phone: 800-427-6282
Trade Name: Fill in Series Model No.:

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
Same warranty will be furnished for proposed substitution as for specified product.
Same maintenance service and source of replacement parts, as applicable, is available.
Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
Proposed substitution does not affect dimensions and functional clearances.
Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Michael Mueth
Signed by: [Signature] Signature required
Firm: Toenjes Brick Contracting
Address: 714 DD Rd Columbia, IL 62236
Telephone: 618-281-9292

A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 013300.
Substitution approved as noted - Make submittals in accordance with Specification Section 013300.
[X] Substitution rejected - Use specified materials.
Substitution Request received too late - Use specified materials.

Signed by: [Signature] Date: 02.29.2024

Supporting Data Attached: [] Drawings [] Product Data [] Samples [] Tests [] Reports []