

ADDENDUM #01

October 29, 2025

TO CONTRACT DOCUMENTS FOR:Project #CP241934 – Memorial Stadium Facilities –
SEZ Recruiting Room Fitout**ADVERTISEMENT DATE:**

10/06/2025

PREPARED FOR:

The Curators of the University of Missouri

CONSULTANT:Simon Oswald Associates, Inc.
2801 Woodard Drive, Suite 103
Columbia, MO 65202
(573) 443-1407

The contract documents for the above noted project and the work covered thereby and herein modified.

GENERAL INFORMATION:

A non-mandatory prebid meeting was held on October 16, 2025. The sign-in sheet of attendees is attached for reference.

In response to a bidder question, an example graphic is attached to illustrate the concept of the black and gray tiger stripes for the construction fence referenced in the Special Conditions paragraph 8.b.2.

PROJECT MANUAL:

Revise the following specification sections as follows:

- 1) Specification Table of Contents: **CLARIFICATION** with the inclusion of the 1.E.6 Commissioning Plan, the section 1.E.6 in the Table of Contents shall be updated to reflect “COM 1/15” for clarifying the total number of pages in the specification.
- 2) Specification 1.E Special Conditions: **REVISE** Special Conditions paragraph 3.c.5 to read “Mechanical work shall consist of new ductwork and new VAV boxes for the additional enclosed building space. Additionally, the work includes a new supply fan array, SF-1, in existing AHU-1.”
- 3) Specification 1.E.6 Commissioning Plan: **REPLACE** 1.E.6 Commission Plan specification in its entirety as the original specification was a two-page placeholder until the final Commissioning Plan was received.
- 4) Specification 07 2100 Thermal Insulation: **REPLACE** 07 2100 Thermal Insulation specification in its entirety as the original paragraph 2.3 Spray Polyurethane Foam Insulation is removed from the specification since it is included in the 07 2119 Foamed-In-Place Insulation specification.
- 5) Specification 07 2119 Foamed-In-Place Insulation: **REPLACE** 07 2119 Foamed-In-Place Insulation specification in its entirety. Revise paragraph 2.1 Closed-Cell Spray Polyurethane Foam Insulation to reflect a list of manufacturers still producing the spray foam product.

DRAWINGS:

Revise the following Drawing Sheets as follows:

- 1) Drawing sheet G0.2: **REPLACE** sheet G0.2 dated 10/02/2025 in its entirety with revised sheet G0.2 dated 10/29/2025 attached. Revise Use of Premises Keyed Note 04 to clarify the Heavy Duty Protection Mats will be Owner Furnished Owner Installed. Revise Use of Premises Keyed Notes to add note 05 for plastic barrier to protect existing walls not receiving work. Revise Overall Recruiting Room Plan to add keyed note 05 for locations of plastic construction barrier to protect existing walls.
- 2) Drawing sheet S001: **REPLACE** sheet S001 dated 10/02/2025 in its entirety with revised sheet S001 dated 10/29/2025 attached. Revise Code References to reflect IBC 2024.
- 3) Drawing sheet S002: **REPLACE** sheet S002 dated 10/02/2025 in its entirety with revised sheet S002 dated 10/29/2025 attached. Revise Code References to reflect IBC 2024 and add Seismic Design Data.
- 4) Drawing sheet S120: **REPLACE** sheet S120 dated 10/02/2025 in its entirety with revised sheet S120 dated 10/29/2025 attached. Revise sheet to add detail 7 for Stepped Footing Detail if required for where the existing stormwater piping enters the South End Zone.
- 5) Drawing sheet A102: **REPLACE** sheet A102 dated 10/02/2025 in its entirety with revised sheet A102 dated 10/29/2025 attached. Revise Keyed Notes D01 and D20 to clarify the overhead doors and doors are to be salvaged and returned to the Owner.
- 6) Drawing sheet A601: **REPLACE** sheet A601 dated 10/02/2025 in its entirety with revised sheet A601 dated 10/29/2025 attached. Revise Wall Section 04 and Head Detail 08 to clarify metal wall panel at top of wall and site concrete at base of wall of Detail 04. Revise Detail 10 to clarify vapor barrier overlap requirements. Revise sheet to eliminate Detail 09 which does not apply.
- 7) Drawing sheet A701: **REPLACE** sheet A701 dated 10/02/2025 in its entirety with revised sheet A701 dated 10/29/2025 attached. Revise sheet to eliminate details 02 and 05 that are not applicable. Revise Detail 03 to clarify metal wall panel at top of wall. Revise Elevation 06 to provide dimensions of openings and panel configuration size.
- 8) Drawing sheet MED102: **REPLACE** sheet MED102 dated 10/02/2025 in its entirety with revised sheet MED102 dated 10/29/2025 attached. Revise Keyed Note 01 to clarify light fixtures are to be salvaged and returned to the Owner.
- 9) Drawing sheet E102: **REPLACE** sheet E102 dated 10/02/2025 in its entirety with revised sheet E102 dated 10/29/2025 attached. Revise Lighting Plan to clarify location of wall mounted light fixture in Table Storage S006E. Revise Overall Electrical Plan to update pathway for conduit, conductors and breakers for the new VAV boxes from the East side Electrical room and clarify scope for new speaker wiring.
- 10) Drawing sheet E502: **REPLACE** sheet E502 dated 10/02/2025 in its entirety with revised sheet E502 dated 10/29/2025 attached. Revise sheet to clarify the existing electrical Panelboard for the new breakers for the new VAV boxes.
- 11) Drawing sheet P102: **REPLACE** sheet P102 dated 10/02/2025 in its entirety with revised sheet P102 dated 10/29/2025 attached. Revise sheet to clarify the locations of trench drains, TD-1.

ATTACHMENTS:

The following attachments are to replace the original version included in the bid documents as described above:

- a. Pre-Bid Meeting Attendance Record (3 pages)
- b. Construction fence black and gray tiger stripes graphic for reference (1 page)
- c. Section 1.E.6 Commissioning Plan (15 pages)
- d. Section 07 2100 Thermal Insulation (6 pages)
- e. Section 07 2119 Foamed-In-Place Insulation (3 pages)
- f. Drawing Sheet G0.2 – Use of Premises Plan (sheet 36”x48”)
- g. Drawing Sheet S001 – General Notes (sheet 36”x48”)
- h. Drawing Sheet S002 – Special Inspections (sheet 36”x48”)
- i. Drawing Sheet S120 – Recruitment Room Renovations (sheet 36”x48”)
- j. Drawing Sheet A102 – Field Level – Recruiting Room – Demo (sheet 36”x48”)
- k. Drawing Sheet A601 – Details (sheet 36”x48”)
- l. Drawing Sheet A701 – Door & Frame Type & Schedule (sheet 36”x48”)
- m. Drawing Sheet MED102 – Field Level – Recruiting – MEP Demolition Plan (sheet 36”x48”)
- n. Drawing Sheet E102 – Recruiting Room – Electrical Plans (sheet 36”x48”)
- o. Drawing Sheet E502 – Electrical Schedules and Riser (sheet 36”x48”)
- p. Drawing Sheet P102 – Field Level – Recruiting Plumbing & Fire Protection Plan (sheet 36”x48”)

END OF ADDENDUM #1

October 16, 2025
CP241934 Memorial Stadium Facilities - SEZ Recruiting Room Fitout

UNIVERSITY OF MISSOURI
PREBID MEETING ATTENDANCE RECORD

**** The information on these pages will be posted publicly on a University of Missouri website ****

Name, Company, Address, Email and Phone Number	General Contractor Yes/No	Sub-Contract or Yes/No	Material Supplier Yes/No	MBE Yes/No	SDVE Yes/No	WBE Yes/No	DBE Yes/No
JOHN MOON MJPDC							
Zach Schulte Zach.schulte@unitedmechserv.com United Mechanical Services	no	yes	no	no	no	no	no
JEFF BENDLE TRONE JEFFBENDLE@TRONE.COM 314-402-8143	NO	NO	1/25	NO	NO	NO	NO
Curtis Tolson LVS	no	no	no	no	no	no	no
Justin Reynolds Sireal Contracting justin@sirealcontracting.com 573-303-7298	yes	no	no	no	no	no	no
Wyatt Ahart Kaiser Electric of Central MO wahart@kaisercentralmo.com 573-556-6188	no	yes	no	no	no	no	no

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KEVIN HARVEY - REINHARDT CONSTRUCTION (573) 682-5505 2401 BERNADETTE DRIVE COLUMBIA, MO 65203 Estimating@reinhardtconstructionllc.com	Y	N	N	N	N	N	N
SCOTT FEITZ (573) 443 2486 mailbox@jlcum.com JLCUM 1312 N CREEKY SPRINGS COLUMBIA MO 65202	N	Y	N	N	Y	N	N
KELLY HEQUENBOURG RAVER CFT KHEQUENBORG@RECALLLLC.COM 6646 AMERICAN SETFOX DR ASHTON MO 65010	X	N	N	N	N	N	N
KELLY HAWKINS admin@5oaksassociates.com 627 N. ROLLINS Centralia, MO	Y	N	N	N	N	Y	N
Kathy Ungles MU PD+C							
Nick Britton MU PD+C							
Eric Goodling MU PD+C							

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Brad Armstrong Harold G. Butzer, Inc. 721 Wicker Ln JCMO 65109 Brad A @HGButzer.com 573-636-4115	N	Y	N	N	N	N	N
BRAD STEGEMANN - SOA stegemann@soa-inc.com 573-443-1407	N	N	N	N	N	N	N
Shane Floyd - Timberlake Shane@timberlakeengineering.com (573)875-4365	N	N	N	Y	N	N	N

(19) 50ft x 5ft6



CONCEPT PROOF FOR APPROVAL ONLY
Apparant color will vary by individual monitor and printer settings
Final colors will print in Calibrated Process CMYK



CP241934 Memorial Stdium SEZ Rcruitg Rm Commissioning Check List

Verified by:		Date compl	Coord Initial	Documentation Required	Owner Witness Required
Commissioning Items by CSI Division	Name	Firm			
1					
Building System Commissioning					
Commissioning Agent - Conduct pre-installation meetings per specifications.					☒
24119					
Selective Demolition					
Hold Pre-Installation Meetings as specified				Meeting Minutes	☒
Protect walls, ceilings, floors and other existing finish work that are to remain during demolition					☐
33000					
Cast-in-Place Concrete					
Hold Pre-Concrete conference as specified				Meeting Minutes	☒
Provide a Copy Of Field Cured Concrete Cylinder Test Report to Owner's Rep Prior to Stripping Any Load Bearing Formwork				Test Report From Independent Testing Lab	☐
Submit concrete mix designs prepared by a qualified testing laboratory for approval prior to placement.				mix design reports	☐
33536					
Polished Concrete Floor Finishing					
Perform Field Quality Control section of specifications				Test Report	☒
51200					
Structural Steel					
Hold Structural Steel Pre-Erection Conference as specified				Meeting Minutes	☒

Verified by:		Date compl	Coord Initial	Documentation Required	Owner Witness Required
Commissioning Items by CSI Division	Name	Firm			
Provide welder qualification report for each welder on site				Welder Qualifications	☒
53000					
Steel Deck					
Provide welder qualification report for each welder on site				Welder Qualifications	☒
Verify welds have been coated with zinc-rich touch-up paint.					☐
54000					
Cold-Formed Metal Framing					
Hold Pre-Installation Meetings as specified				Meeting Minutes	☒
Perform Field Quality Control section of specifications				Test Report	☒
55000					
Metal Fabrications					
Provide welder qualification report for each welder on site				Welder Qualifications	☒
55213					
Pipe and Tube Railings					
Provide welder qualification report for each welder on site				Welder Qualifications	☒
57500					
Decorative Formed Metal (CL-1, WP-1)					
Provide welder qualification report for each welder on site				Welder Qualifications	☒

Commissioning Items by CSI Division		Verified by: Name	Firm	Date compl	Coord Initial	Documentation Required	Owner Witness Required
72726							
Fluid-Applied Membrane Air Barriers							
Perform Field Quality Control section of specifications						Test Report	☒
74213							
Formed Metal Wall Panels							
Perform Field Quality Control section of specifications.						field report	☒
75419							
Polyvinyl-Chloride (PVC) Roofing							
Hold Pre-Installation Meetings as specified						Meeting Minutes	☒
Perform Final Roof Inspection (Manufacturer's Rep) Per Field Quality Control section of Spec.						field report	☒
78413							
Penetration Firestopping							
Do not enclose firestopping with other construction until inspection has been completed.							☐
78443							
Joint Firestopping							
Hold preinstallation meetings as specified						Meeting Minutes	☒
Perform Field Quality Control section of specifications.						Test Report	☒
81113							
Hollow Metal Doors and Frames							
Inspect Fire Doors						itemized list of doors	☒

Verified by:		Date compl	Coord Initial	Documentation Required	Owner Witness Required
Commissioning Items by CSI Division	Name	Firm			
81416					
Flush Wood Doors					
Inspect Fire Doors				Door List	☒
83513					
Multipanel Folding Aluminum- Framed Glass Doors					
Perform Field Quality Control section of specifications				Test Report	☒
84113					
Aluminum-Framed Entrances and Storefronts					
Build Mockups as specified				Inspection Report	☒
Perform Field Quality Control section of specifications				Test Report	☒
87100					
Door Hardware					
Verify that all fire doors close and latch positively				test report	☒
88000					
Glazing					
Hold Pre-Installation Meetings as specified				Meeting Minutes	☒
Wash clear glass on both faces not more than 4 days prior to punch list inspection					☐

Commissioning Items by CSI Division		Verified by: Name	Firm	Date compl	Coord Initial	Documentation Required	Owner Witness Required
90561							
Topical Moisture Mitigation System							
Perform Field Quality Control section of specs						Test Report	☒
93013							
Ceramic Tiling							
Furnish Extra Material as specified						Transmittal	☒
Hold Pre-Installation Meetings as specified						Meeting Minutes	☒
95113							
Acoustical Panel Ceilings							
Ensure that all debris is removed from above ceiling tiles during final above ceiling inspection.							☒
Furnish Extra Material as specified						Transmittal	☒
Hold Pre-Installation Meetings as specified						Meeting Minutes	☒
96513							
Resilient Base and Accessories							
Construct mock-ups per specifications						Inspection Report	☒
Furnish Extra Material as specified						Transmittal	☒

Verified by:		Date compl	Coord Initial	Documentation Required	Owner Witness Required
Commissioning Items by CSI Division	Name	Firm			
96516					
Resilient Sheet Flooring					
After installation maintain ambient temperature of not less than 55 deg F or more than 95 deg F.					☐
Clean, seal and wax according to manufacturer's instructions. Document the processes and products used for initial sealing.					☒
Furnish Extra Material as specified				Transmittal	☒
Perform pH, Chloride (moisture) and bond tests per manufacturer. Do not proceed until all manufacturing requirements are met.				test reports	☒
99113					
Exterior Painting					
Periodically Check Wet Film Thickness To Assure Conformance With Manufacturer's Requirements To Achieve Dry Film Thickness				field report	☒
Periodically Check Wet Film Thickness To Assure Conformance With Manufacturer's Requirements To Achieve Dry Film Thickness				field report	☒
Touch up and restore damaged or defaced surfaces prior to substantial completion					☐
99123					
Interior Painting					
Furnish Extra Material as specified				Transmittal	☐
Periodically Check Wet Film Thickness To Assure Conformance With Manufacturer's Requirements To Achieve Dry Film Thickness per Field Quality Control section of spec				field report	☒

Commissioning Items by CSI Division		Verified by: Name	Firm	Date compl	Coord Initial	Documentation Required	Owner Witness Required
102600							
Wall and Door Protection							
Furnish Extra Material as specified						Transmittal	☒
102800							
Toilet, Bath, and Laundry Accessories							
Adjust and clean per specifications.							☐
211300							
Wet-Pipe Sprinkler Systems							
Coordinate operation with fire alarm test. Test per Field Quality Control						Test certification NFPA13	☒
Fill water system and flush system							☐
Provide extra material as required by code and specs						Transmittal	☒
Verify all temperature ratings							☐
230500							
Common Work Results for HVAC							
Hold MEP pre-installation meeting(s).						Meeting Minutes	☒
Perform Field Quality Control Section of specification						Test Report	☒

Verified by:		Date compl	Coord Initial	Documentation Required	Owner Witness Required
Commissioning Items by CSI Division	Name	Firm			
230553					
Identification for HVAC Piping and Equipment					
Install pipe markers per specifications					☐
230593					
Test-Adjust-Balance					
Ensure pre-test requirements as specified in paragraph 1.2C have been completed					☐
Hold Pre-Balancing Conference as specified				Meeting Minutes	☒
Mark equipment settings including central positions, value indicators, fan speed control levers, etc.					☐
Notify Owner's Representative 14 days prior to the scheduled date for balancing the system.				written notification	☐
230713					
Duct Insulation					
Perform Field Quality Control section of specifications				Test Report	☒
Verify required mechanical fasteners are installed per specifications.					☐
Verify that duct systems are tested prior to insulating					☐
230900					
Control Systems					
Ensure Control Transformer amps are within specifications				Test Report	☒

Verified by:		Date compl	Coord Initial	Documentation Required	Owner Witness Required
Commissioning Items by CSI Division	Name	Firm			
Ensure shipping material has been removed from thermostats and other control devices					☐
Post laminated control diagram in mechanical room					☐
Verify all field devices provided by contractor are terminated					☐
Verify all panel covers are installed					☐
232300					
Refrigerant Piping					
Leak test per Field Quality Control section of specifications				Test Report	☒
Provide start-up service per specifications					☐
233113					
Metal Ducts					
test for duct leakage per spec. To a leakage class of 4, at least. Ducts shall meet leakage requirement prior to testing and balancing				test report	☒
233300					
Air Duct Accessories					
Demonstrate Proper Operation of All Fire Dampers per NFPA-90A.				test report	☒
Perform Field Quality Control section of specifications				Test Report	☒

Verified by:		Date compl	Coord Initial	Documentation Required	Owner Witness Required
Commissioning Items by CSI Division	Name	Firm			
233423					
HVAC Power Ventilators					
Check Fan rotation and Amp Draw				Test Report	☒
233600					
Air Terminal Units					
Notify owner's rep after fully installing a representative unit (in-place mockup) for approval. Coordinate and cooperate with owner's commissioning of the boxes.					☐
Perform Field Quality Control section of spec				Test Report	☐
Perform Startup Service section of spec				Startp Report	☒
236200					
Packaged Compressor and Condenser Units					
Perform Field Quality Control section of spec				Test Report	☒
Perform Startup Service section of spec				Startup Report	☒
Provide factory training per Demonstration section of spec				Sign In Sheet	☒
237313					
Indoor, Semi-Custom Air-Handling Units					
Perform Demonstration section of spec				Sign-in Sheet	☒
Perform Field Quality Control section of spec				Test Report	☐

Verified by:		Date compl	Coord Initial	Documentation Required	Owner Witness Required
Commissioning Items by CSI Division	Name	Firm			
Perform Startup Service section of spec				Startup Report	☒
260519					
Low-Voltage Electrical Power Conductors and Cables					
Perform independent tests per spec, including megohm/high pot tests				test report	☒
260526					
Grounding and Bonding for Electrical Systems					
Perform resistance test as described in "Field Quality Control" section of spec				test report	☒
260553					
Identification for Electrical Systems					
Ensure identification devices are applied per specifications					☐
260573					
Arcflash Study					
Factory certified technician to set electronic overcurrent devices to approved coordination study setpoints				Inspection Report	☒
Perform 'Testing' section of specifications				Test Report	☒
Place arcflash labels on equipment as specified					☒
Train owners representatives in setting of overcurrent devices				Sign-up Sheet	☒

Commissioning Items by CSI Division		Verified by: Name	Firm	Date compl	Coord Initial	Documentation Required	Owner Witness Required
260923							
Lighting Control Devices							
Perform Field Quality Control section of specifications						field report	☒
Provide factory training per Demonstration section of spec						Sign In Sheet	☒
262213							
Low-Voltage Distribution Transformers							
Test transformer per Field Quality Control section of specifications						test results	☒
262416							
Panelboards							
Perform checks per "Field Quality Control" section of spec						Test Reports	☒
262726							
Wiring Devices							
Operate All Devices per "Field Quality Control" section of spec to verify correct operation						Test Report	☒
262816							
Enclosed Switches and Circuit Breakers							
Perform tests per "Field Quality Control" section of spec						Test Report	☒
265119							
LED Interior Lighting							
Perform Field Quality Control section of specifications						Test Report	☒

Commissioning Items by CSI Division		Verified by: Name	Firm	Date compl	Coord Initial	Documentation Required	Owner Witness Required
265213							
Emergency and Exit Lighting							
Perform 90 minute battery test or generator test						Test Report	☒
Perform Field Quality Control section of specifications						Test reports	☒
283111							
Digital, Addressable Fire-Alarm System							
Pretest system and work out all bugs. Final test should not have bugs to work through						PreTest Checklist	☐
Provide factory training Per demonstration section of specifications						Sign-up Sheet	☒
Test System Fully and provide certification						Test Report; NFPA72 Certification	☒

Please see following website for suggested commissioning forms:

<https://operations.missouri.edu/facilities/commissioning-forms>

Construction Management Checklist for Energizing Utilities

(Contractor to initial each item upon completion and provide completed form to the Owner's Representative prior to energizing utility)

AM #1

Water – turned on to the first valve past Energy Management's last valve.

- ☐ Review all piping and equipment being turned on for proper installation and completed testing.
- ☐ Insulation installed (preferred but not required)
- ☐ Meter properly installed, working, and in readable location.
- ☐ Contractor has swabbed out with chlorine all piping from the backflow preventer to the source while installing.
- ☐ All bacteriological tests have been completed and passed.
- ☐ Backflow preventer installed and tested. (will need water pressure to test)
- ☐ Pressure test completed in piping being turned on.
- ☐ Contractor has method to communicate "Services On" to other contractor personnel and Owner's personnel.
- ☐ Consultant has signed off

Steam – turned on to the first valve past Energy Management's last valve.

- ☐ Review all piping, equipment, valves, reducing stations, relief valves, etc. for proper installation and complete testing.
- ☐ Piping protected from the weather.
- ☐ Insulation must be installed.
- ☐ All hangers and bolts have been installed.
- ☐ Meter installed, working and in readable location. (Don't need metasys to turn on.)
- ☐ All needed traps are installed and able to be tested as they are turned on.
- ☐ Condensate system is installed and operating including the pumping system.
- ☐ Pressure test completed in piping being turned on.
- ☐ Contractor has method to communicate "Services On" to other contractor personnel and Owner's personnel.
- ☐ Consultant has signed off

Condensate – turned on to the first valve past Energy Management's last valve.

- ☐ Review all piping and equipment being turned on for proper installation and completed testing.
- ☐ Piping protected from the weather.
- ☐ Insulation installed (preferred but not required)
- ☐ Pressure test completed in piping being turned on.
- ☐ Contractor has method to communicate "Services On" to other contractor personnel and Owner's personnel.
- ☐ Consultant has signed off

Electric – turned on to the first breaker past 13.8kV transformer.

- ☐ Review all wiring and equipment being turned on for proper installation and completed testing
- ☐ GFCI set and tested.
- ☐ Breakers set and tested.
- ☐ All needed permanent grounds are installed.
- ☐ Meter installed, working and in readable location.
- ☐ Main switchgear protected from the weather.
- ☐ Contractor has method to communicate "Services On" to other contractor personnel and Owner's personnel.
- ☐ Consultant has signed off

Chilled Water – turned on to the first valve inside of building.

- ☐ Review all piping and equipment being turned on for proper installation and completed testing.
- ☐ Pressure test completed in piping being turned on.
- ☐ Insulation must be installed.
- ☐ Meter installed, working and connected to Metasys.
- ☐ Building pump and automatic isolation/control valve must be installed and under control.
- ☐ If chillers are installed, automatic loop pump isolation must be installed.
- ☐ Control valves must be installed and automatically controlled on all loads.
- ☐ Contractor has method to communicate "Services On" to other contractor personnel and Owner's personnel.
- ☐ Consultant has signed off

SECTION 07 2100 - THERMAL INSULATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Foundation wall insulation (supporting backfill).
 - 2. Foam plastic board insulation.
 - 3. Glass-fiber blanket insulation.
 - 4. Cladding attachment system.
- B. Related Sections:
 - 1. Section 04 2000 "Unit Masonry" for installation of insulation installed in cavity walls.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.

1.4 INFORMATIONAL SUBMITTALS

- A. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for each product.
- B. Research/Evaluation Reports: For foam-plastic insulation, from ICC-ES.
- C. NFPA 285 Testing Data for wall assemblies with cladding attachment system.

1.5 QUALITY ASSURANCE

- A. Surface-Burning Characteristics: As determined by testing identical products according to ASTM E 84 by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Protect insulation materials from physical damage and from deterioration due to moisture, soiling, and other sources. Store inside and in a dry location. Comply with manufacturer's written instructions for handling, storing, and protecting during installation.
- B. Protect foam-plastic board insulation as follows:

1. Do not expose to sunlight except to necessary extent for period of installation and concealment.
2. Protect against ignition at all times. Do not deliver foam-plastic board materials to Project site before installation time.
3. Quickly complete installation and concealment of foam-plastic board insulation in each area of construction.

PART 2 - PRODUCTS

2.1 FOUNDATION WALL INSULATION

- A. Extruded-Polystyrene Board Insulation: Rigid, cellular polystyrene thermal insulation formed from polystyrene base resin by an extrusion process using hydrochlorofluorocarbons as blowing agent to comply with ASTM C 578 for type and with other requirements indicated below:
 1. Type IV, 1.60-lb/cu. ft. minimum density, unless otherwise indicated.
 2. Surface-Burning Characteristics: Maximum flame-spread and smoke-developed indices of 75 and 450, respectively.
 3. Foundation wall perimeter insulation shall be 2-inches thick, unless noted otherwise.
- B. Molded Polystyrene Board, Type IX, at Contractor's Option: ASTM C578, Type IX, 25-psi minimum compressive strength.
 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. ACH Foam Technologies, Inc.
 - b. Atlas Molded Products; a Division of Atlas Roofing Corporation.
 - c. DiversiFoam Products.
 - d. Insulfoam; Carlisle Construction Products.
 - e. Plymouth Foam, Inc.
 2. Foundation wall perimeter insulation shall be 2-inches thick by 24 -inches depth, unless noted otherwise.

2.2 FOAM-PLASTIC BOARD INSULATION

- A. Polyisocyanurate Board Insulation: ASTM C 1289, foil faced, Type I, Class 1 or 2; with maximum flame-spread and smoke-developed indexes of 75 and 450, respectively, per ASTM E 84.
 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Atlas Molded Products.
 - b. Carlisle Coatings and Waterproofing.
 - c. Dow Chemical Company (The).
 - d. Firestone Building Products.
 - e. Hunter Panels.
 - f. Johns Manville.
 - g. R-Max, Inc.

2. Rigid insulation under wall panels shall be foil-faced polyisocyanurate board 2-1/2 inches thick, unless noted otherwise.
 3. Insulation shall have been tested with specified cladding attachment system to provide an NFPA 285 compliant assembly.
- B. Adhesive for Bonding Insulation: Product with demonstrated capability to bond insulation securely to substrates without damaging insulation and substrates.

2.3 GLASS-FIBER BLANKET INSULATION

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
1. CertainTeed Corporation.
 2. Guardian Fiberglass, Inc.
 3. Johns Manville.
 4. Knauf Fiber Glass.
 5. Owens Corning.
- B. Unfaced, Glass-Fiber Blanket Insulation: ASTM C 665, Type I (blankets without membrane facing); consisting of fibers; with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively; passing ASTM E 136 for combustion characteristics.
- C. Where glass-fiber blanket insulation is indicated by the following thicknesses or shown to fill entire stud cavity, provide blankets in batt or roll form with thermal resistances indicated:
1. 5-1/2 inches thick with a thermal resistance of 19 deg F x h x sq. ft./Btu at 75 deg F.

2.4 INSULATION FASTENERS

- A. Adhesively Attached, Spindle-Type Anchors: Plate welded to projecting spindle; capable of holding insulation of thickness indicated securely in position indicated with self-locking washer in place; and complying with the following requirements:
1. Products: Subject to compliance with requirements, provide one of the following:
 - a. AGM Industries, Inc.; Series T TACTOO Insul-Hangers.
 - b. Eckel Industries of Canada; Stic-Klip Type N Fasteners.
 - c. Gemco; Spindle Type.
 2. Plate: Perforated galvanized carbon-steel sheet, 0.030 inch thick by 2 inches square.
 3. Spindle: Copper-coated, low carbon steel; fully annealed; 0.105 inch in diameter; length to suit depth of insulation indicated.
- B. Anchor Adhesive: Product with demonstrated capability to bond insulation anchors securely to substrates indicated without damaging insulation, fasteners, and substrates.
1. Products: Subject to compliance with requirements, provide one of the following:
 - a. AGM Industries, Inc.; TACTOO Adhesive.
 - b. Eckel Industries of Canada; Stic-Klip Type S Adhesive.
 - c. Gemco; Tuff Bond Hanger Adhesive.

2.5 CLADDING ATTACHMENT SYSTEM

- A. Polyester and vinyl ester bioresin matrix with recycled materials, fire retardant additives and integral continuous metal inserts the length of profile. Reinforce girts with glass strand rovings used internally for longitudinal strength and continuous strand glass mats or stitched reinforcements used internally for transverse strength.
 - 1. Products: Subject to compliance with requirements, provide the following:
 - a. Advanced Architectural Products (A2P), SMART ci 2-in-1 System.
 - b. Armatherm; Z Girt.
 - 2. Girt Depth: To match rigid insulation thickness.
 - 3. Spacing: 24 inches on center, applied horizontally and secured to each framing stud.
 - 4. Provide manufacturer's standard continuous 16-gauge galvanized steel continuous insert for engagement of fasteners into metal framing.
 - 5. Install integral with foil-faced, polyisocyanurate board insulation.
 - 6. Provide manufacturer's standard integral three-point compression seal to prevent insulation panels from dislodging.
 - 7. Provide manufacturer's standard integral anti-siphon grooves on exterior and interior flanges of girt members.
 - 8. Provide manufacturer's standard spline seals for adjacent insulation units into profile of girt members.
 - 9. Cladding attachment system shall have passed NFPA 285 assembly testing in conjunction with foil-faced polyisocyanurate board insulation and cladding specified.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Clean substrates of substances that are harmful to insulation or that interfere with insulation attachment.

3.2 INSTALLATION OF BELOW-GRADE INSULATION

- A. On footing and foundation wall surfaces, set foundation wall insulation board units loosely laid according to manufacturer's written instructions.
 - 1. If not otherwise indicated, extend insulation a minimum of 24 inches below exterior grade line.

3.3 INSTALLATION, GENERAL

- A. Comply with insulation manufacturer's written instructions applicable to products and applications indicated.
- B. Install insulation that is undamaged, dry, and unsoiled and that has not been left exposed to ice, rain, or snow at any time.
- C. Extend insulation to envelop entire area to be insulated. Cut and fit tightly around obstructions and fill voids with insulation. Remove projections that interfere with placement.

- D. Provide sizes to fit applications indicated and selected from manufacturer's standard thicknesses, widths, and lengths. Apply single layer of insulation units to produce thickness indicated unless multiple layers are otherwise shown or required to make up total thickness.

3.4 INSTALLATION OF INSULATION FOR METAL-FRAMED CONSTRUCTION

- A. Apply insulation units to substrates by method indicated, complying with manufacturer's written instructions. If no specific method is indicated, bond units to substrate with adhesive or use mechanical anchorage to provide permanent placement and support of units.
- B. Glass Fiber: Install in cavities formed by framing members according to the following requirements:
 - 1. Use insulation widths and lengths that fill the cavities formed by framing members. Where more than one length is required to fill the cavities, provide lengths that will produce a snug fit between ends.
 - 2. Place insulation in cavities formed by framing members to produce a friction fit between edges of insulation and adjoining framing members.
- C. Miscellaneous Voids: Install insulation in miscellaneous voids and cavity spaces where required to prevent gaps in insulation using the following materials:
 - 1. Spray Polyurethane Insulation: Apply according to manufacturer's written instructions.

3.5 INSTALLATION OF CLADDING ATTACHMENT SYSTEM

- A. Install cladding attachment system framing in accordance with manufacturer's written installation instructions.
- B. Do not overtighten screw fasteners to avoid crushing sheathing and damaging air barrier membrane.
- C. Install cladding attachment system framing to fill in exterior continuous insulation spaces without gaps or voids. Do not compress insulation panels.
- D. Trim insulation neatly to fit spaces and insulate miscellaneous gaps and voids.
- E. Seal gaps, voids or penetrations with expandable foam sealant on exterior side of insulation.

3.6 PROTECTION

- A. Protect installed insulation from damage due to harmful weather exposures, physical abuse, and other causes. Provide temporary coverings or enclosures where insulation is subject to abuse and cannot be concealed and protected by permanent construction immediately after installation.

END OF SECTION 07 2100

SECTION 07 2119 - FOAMED-IN-PLACE INSULATION

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Closed-cell spray polyurethane foam insulation and ignition barrier.
 - 2. Accessories.
- B. Related Requirements:
 - 1. Section 07 2100 "Thermal Insulation" for foam-plastic board insulation.

1.2 ACTION SUBMITTALS

- A. Product Data:
 - 1. Closed-cell spray polyurethane foam insulation.
 - 2. Accessories.

1.3 INFORMATIONAL SUBMITTALS

- A. Product Test Reports: For each product, for tests performed by qualified testing agency.
- B. Qualification Statements: For Installer.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An authorized representative who is trained and approved by manufacturer.

PART 2 - PRODUCTS

2.1 CLOSED-CELL SPRAY POLYURETHANE FOAM INSULATION

- A. Closed-Cell Spray Polyurethane Foam: ASTM C1029, Type II, minimum density of 1.5 lb/cu. ft. and minimum aged R-value at 1-inch thickness of 6.2 deg F x h x sq. ft./Btu at 75 deg F.
 - 1. Basis-of-Design: Subject to compliance with requirements, provide SPRAYTITE 158 Series by BASF Corporation, other available manufacturers offering acceptable equivalent products that may be incorporated into the Work include the following:
 - a. Bayer MaterialScience LLC.
 - b. Henry Company.
 - c. Huntsman Building Solutions.
 - d. SWD Urethane Company.

2. Surface-Burning Characteristics: Comply with ASTM E84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - a. Flame-Spread Index: 25 or less.
 - b. Smoke-Developed Index: 450 or less.
3. Fire Propagation Characteristics: Passes NFPA 285 testing as part of an approved assembly.

2.2 ACCESSORIES

- A. Primer: Material recommended by insulation manufacturer where required for adhesion of insulation to substrates.
- B. Ignition Barrier: Material providing a 15-minute minimum fire-ignition barrier.

1. Ignition Barrier Coating: Fire-protective coating formulated for application over polyurethane foam plastics, compatible with insulation, and in compliance with ICC- ES AC377, Appendix X.
 - a. Basis-of-Design: Subject to compliance with requirements, provide Ure-K Spray-On-Systems by International Cellulose Corp., other available manufacturers offering acceptable equivalent products that may be incorporated into the Work include the following:
 - 1) Central Fiber LLC.
 - 2) GreenFiber.
 - 3) Hamilton Manufacturing Inc.
 - 4) Nu-Wool Co., Inc.
 - b. Color: Black, unless otherwise indicated.
2. Surface-Burning Characteristics: Comply with ASTM E84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - a. Flame-Spread Index: 25 or less.
 - b. Smoke-Developed Index: 50 or less.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Verify that substrates are clean, dry, and free of substances that are harmful to insulation.
- B. Priming: Prime substrates where recommended by insulation manufacturer. Apply primer to comply with insulation manufacturer's written instructions. Confine primers to areas to be insulated; do not allow spillage or migration onto adjoining surfaces.

3.2 INSTALLATION

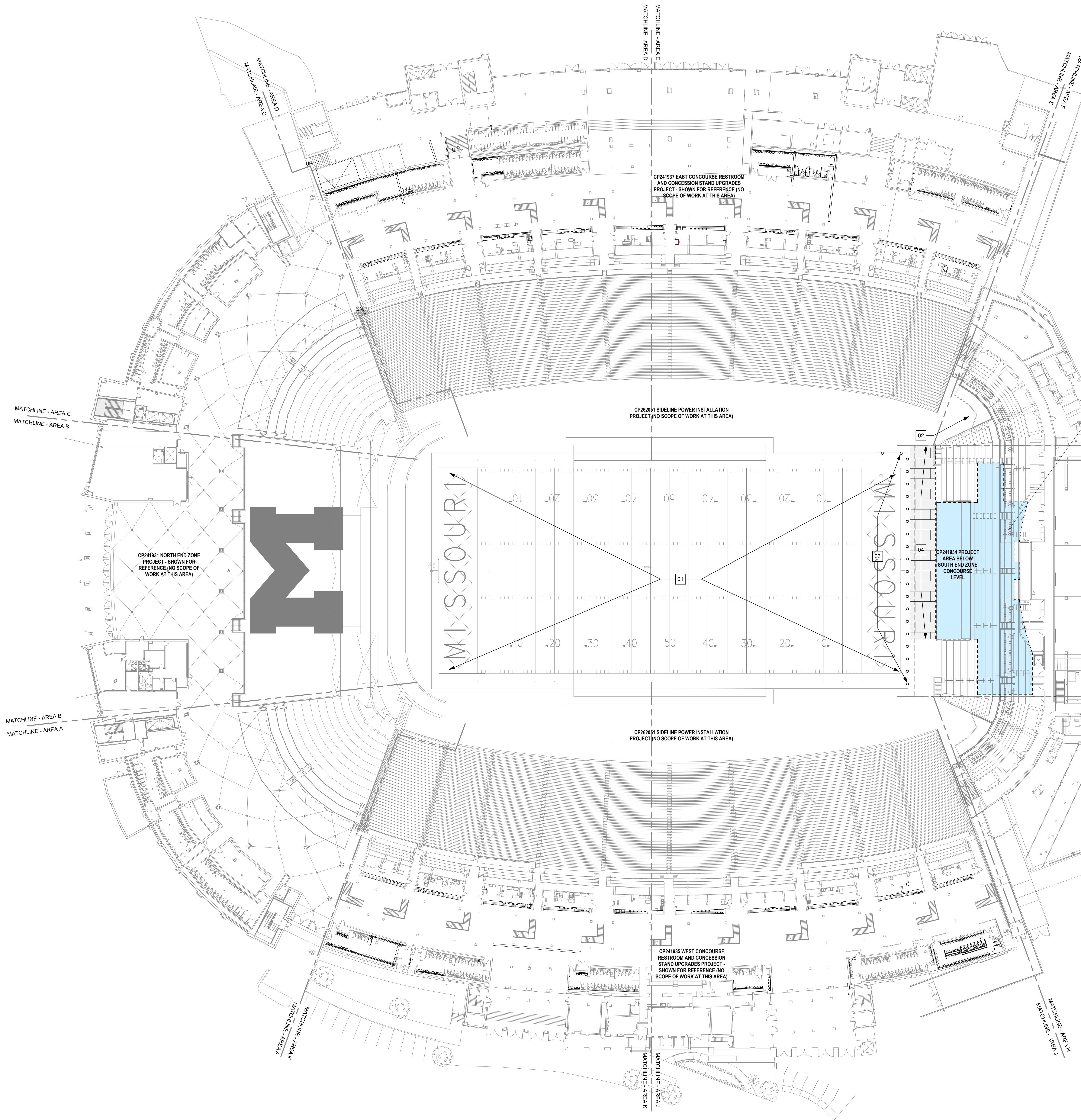
- A. Comply with insulation manufacturer's written instructions applicable to products and applications.
- B. Spray insulation to envelop entire area to be insulated and fill voids.
- C. Apply in multiple passes to not exceed maximum thicknesses recommended by manufacturer. Do not spray into rising foam.
- D. Miscellaneous Voids: Apply according to manufacturer's written instructions.
- E. Install ignition barrier material.
 - 1. Do not cover insulation prior to any required spray foam insulation inspections.
- F. Apply barrier coatings in accordance with manufacturer's written instructions and to comply with requirements for listing and labeling for fire-propagation characteristics and surface-burning characteristics specified.
 - 1. Use equipment and techniques best suited for substrate and type of material applied as recommended by coating manufacturer.
 - 2. Apply coatings to prepared surfaces as soon as practical after preparation and before subsequent surface soiling or deterioration.
 - 3. Apply coatings to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Produce sharp lines and color breaks.

3.3 PROTECTION

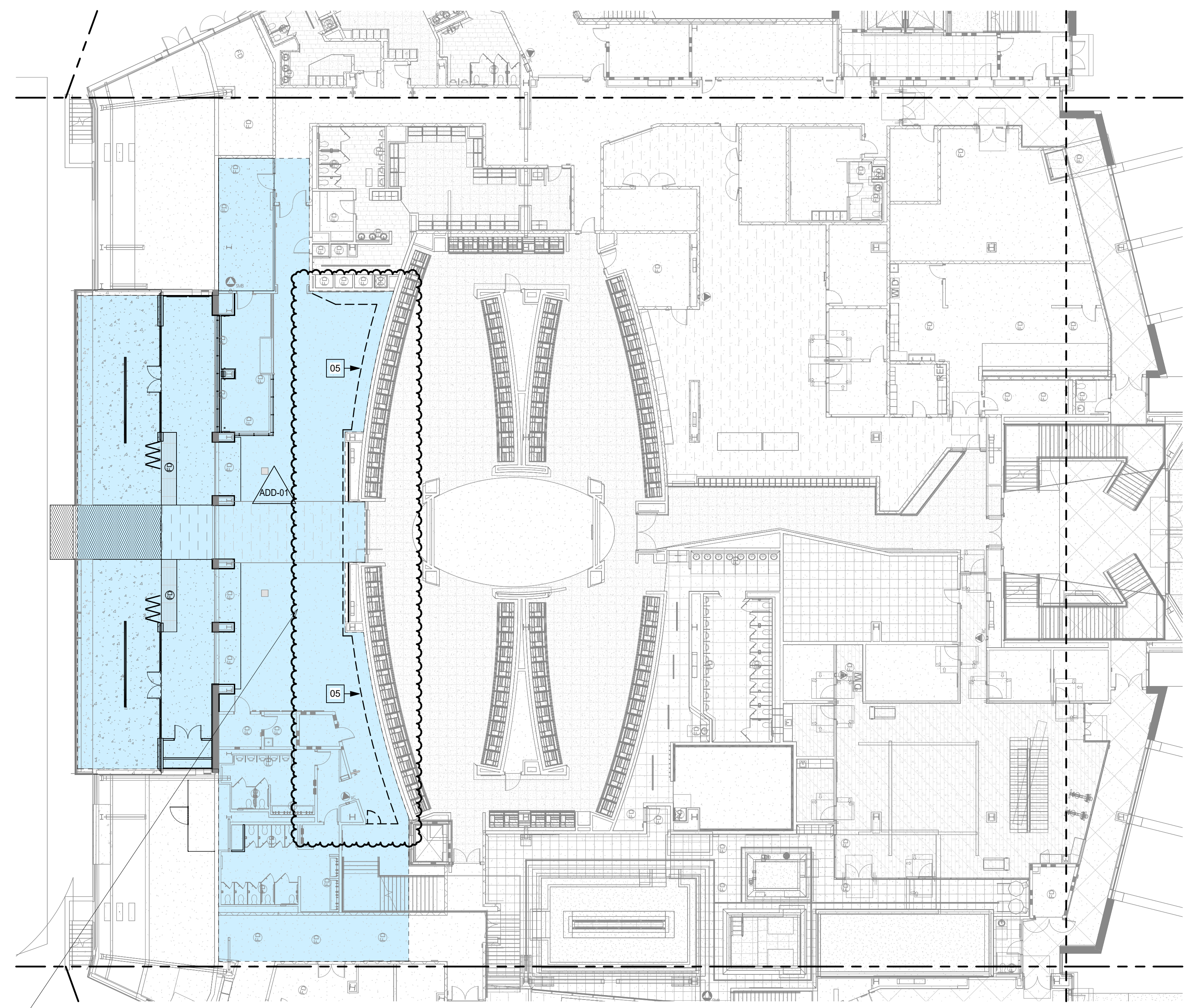
- A. Protect installed insulation from damage due to harmful weather exposures, physical abuse, and other causes.

END OF SECTION 07 2119

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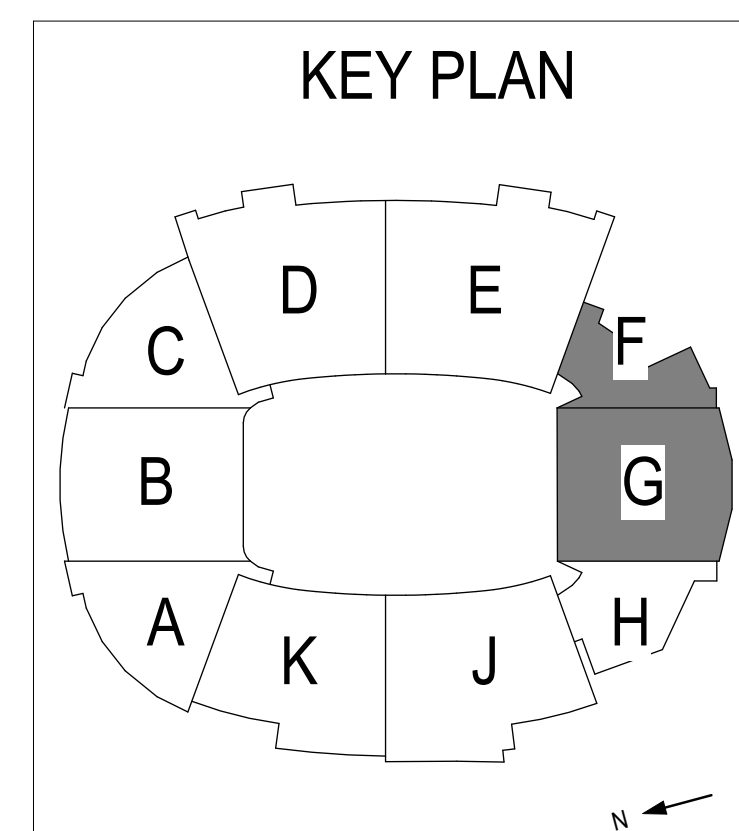
OVERALL PLAN - RECRUITING - USE OF PREMISES
SCALE: 1/32" = 1'-0"



OVERALL - RECRUITING ROOM
SCALE: 1/16" = 1'-0"

- KEYNOTES - USE OF PREMISES CP241934**
- 01 EXISTING TURF FIELD. PROTECT THROUGHOUT CONSTRUCTION - CONTRACTOR SHALL NOT USE FIELD FOR STORAGE OF MATERIALS, STAGING OF MATERIALS, OR FOR ANY CONSTRUCTION ACTIVITIES
 - 02 CONTRACTOR ACCESS VIA SOUTHEAST CORNER LOADING DOCK - VERIFY USE OF PREMISES WITH MU CONSTRUCTION PROJECT MANAGER PRIOR TO START OF CONSTRUCTION
 - 03 CONSTRUCTION FENCING TO PROTECT FIELD TURF
 - 04 HIGH-DENSITY POLYETHYLENE (HDPE) HEAVY DUTY GROUND PROTECTION MATS - OFOI
 - 05 CONTRACTOR PROVIDE PLASTIC CONSTRUCTION BARRIER TO PROTECT ALL WALLS NOT RECEIVING ANY WORK

- GENERAL ARCHITECTURAL NOTES**
- ALL INTERIOR CMU WALLS SHALL BE 8 INCHES NOMINAL THICKNESS, UNLESS NOTED OTHERWISE.
 - ALL MASONRY WALLS AND INTERIOR STUD WALLS SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE.
 - PROVISIONS SHALL BE MADE AT ALL FULL HEIGHT NON-BEARING WALLS FOR 1-INCH VERTICAL MOVEMENT OF THE BUILDING STRUCTURE WITHOUT TRANSFER OF COMPRESSIVE LOADS TO WALL. FILL IRREGULARITIES BETWEEN TOP OF WALL AND DECK ABOVE WITH MINERAL WOOL INSULATION OR FIRE STOPPING MATERIALS AS REQUIRED TO MEET FIRE RATING OF RESPECTIVE WALLS.
 - SEE STRUCTURAL DRAWINGS FOR BRACING OF NONLOAD-BEARING MASONRY WALLS.
 - FURNISH AND INSTALL FIRE-TREATED WOOD BLOCKING OR METAL BACKING PLATE IN METAL STUD PARTITIONS FOR THE PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS, I.E. TOILET ACCESSORIES, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, MARKER BOARDS, TACK BOARDS, DOOR STOPS, AUDIO VISUAL BRACKETS, AND OTHER WALL ATTACHED ITEMS.
 - GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS WHERE SHOWN ON DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
 - MASONRY CONTROL JOINTS (CJ) AND CONTROL JOINTS ABOVE (CAJ) SHALL BE LOCATED AS SHOWN ON THE FLOOR PLAN AND BUILDING ELEVATIONS, AND WHERE LARGE PLUMBING VENTS OR RISERS OCCUR IN SINGLE WYTHE MASONRY WALLS, AND WHERE MASONRY WALLS BEARING ON THE CONCRETE FLOOR SLAB ABUT MASONRY WALLS BEARING ON CONCRETE FOOTINGS OR AS INDICATED ON DRAWINGS.
 - EXTEND FURRING CHANNELS AND GYPSUM BOARD UP 4 INCHES ABOVE FINISHED CEILING ON CMU WALLS.
 - SCORE GYPSUM WALL BOARD OF WALLS AND PARTITIONS TO IRREGULARITIES OF DECK ABOVE. SEAL TIGHTLY AROUND ALL PENETRATIONS.
 - PROVIDE SEISMIC BRACING FOR SUSPENDED CEILINGS OR AS SHOWN ON THE DRAWINGS.



MEMORIAL STADIUM FACILITIES FACILITIES
SEZ RECRUITING ROOM FITOUT
UNIVERSITY PROJECT NUMBER: CP241934
600 STADIUM BLVD
COLUMBIA, MO 65211

ISSUE FOR BID
10/02/2025
A00-41 10/29/2025
SOA 25042
USE OF PREMISES PLAN
G0.2

SOA ARCHITECTURE
2801 Woodland Drive, Suite 103
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www.soa-inc.com
Simon Oswald Associates, Inc.
MO Certificate of Authority: 00826

BRADLEY J. STEGMANN
ARCHITECT
10/29/2025
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6701 075-5555
MO Certificate of Authority: #00039

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(816) 221-7771
2323 Grand Blvd #600
MO Certificate of Authority: #

THE PROFESSIONAL ARCHITECT'S SEAL ON THIS DRAWING HAS BEEN AFFIXED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 33, REVISION 1, MISSOURI STATE STATUTES. THE ARCHITECT ASSUMES RESPONSIBILITY FOR THE WORK SHOWN ON THE DRAWING. ONLY THE ARCHITECT OR AN EMPLOYEE OF THE ARCHITECT'S FIRM MAY AFFIX THIS SEAL. ANY AND ALL RESPONSIBILITY FOR DIRECTLY BEARING THIS SEAL.

PV PURPOSE OF ISSUANCE

PU-1 THESE DRAWINGS IDENTIFIED AS 10% CONSTRUCTION DOCUMENTS DATED 09/24/2025 ARE ISSUED FOR OWNER REVIEW AND PERMITTING.

GR GENERAL REQUIREMENTS

- GR-1 AS USED IN THESE GENERAL NOTES:
"DRAWINGS" MEANS THE LATEST STRUCTURAL DESIGN DRAWINGS, UON.
"SPECIFICATIONS" MEANS THE LATEST PROJECT SPECIFICATIONS, UON.
"CONTRACT DOCUMENTS" IS DEFINED AS THE DESIGN DRAWINGS AND THE SPECIFICATIONS.
"SER" IS DEFINED AS THE STRUCTURAL ENGINEER OF RECORD FOR THE STRUCTURE IN ITS FINAL CONDITION.
"DESIGN PROFESSIONALS" IS DEFINED AS THE OWNER'S ARCHITECT AND SER.
"MEP" INCLUDES, BUT IS NOT LIMITED TO MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION.
"CONTRACTOR" IS DEFINED TO INCLUDE ANY OF THE FOLLOWING: GENERAL CONTRACTOR AND THEIR SUBCONTRACTORS, CONSTRUCTION MANAGER AND THEIR SUBCONTRACTORS, STRUCTURAL STEEL FABRICATOR OR STRUCTURAL STEEL ERECTOR.
"BASE BUILDING STRUCTURE" IS DEFINED AS THE STRUCTURAL FRAME DESIGNED BY THORNTON TOMASETTI.
"STRUCTURE IN ITS FINAL CONDITION" MEANS ALL STRUCTURAL ELEMENTS SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS ARE INSTALLED AND COMPLETELY CONNECTED AND INSPECTED WITH NO OUTSTANDING NON-COMPLIANCE ISSUES.
"DELEGATED DESIGN" MEANS A SCOPE OF WORK THAT MEETS PERFORMANCE CRITERIA ESTABLISHED IN THE CONTRACT DOCUMENTS AND IS TO BE COMPLETED BY THE CONTRACTOR'S LICENSED ENGINEER.
"SERVICE LEVEL" LOADS ARE DEFINED AS NOMINAL, OR UNFACTORED LOADS TO BE COMBINED USING ALLOWABLE STRESS LOAD COMBINATIONS.
"STRENGTH LEVEL" LOADS ARE DEFINED AS FACTORED LOADS TO BE COMBINED USING STRENGTH DESIGN LOAD COMBINATIONS.
- GR-2 THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE STRUCTURAL WORK WITH THE ARCHITECTURAL, CIVIL, MEP, CONTRACT DOCUMENTS, AS WELL AS ANY OTHER APPLICABLE TRADES.
- GR-3 THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE UNTIL THE CONSTRUCTION OF THE STRUCTURE REACHES ITS FINAL CONDITION.
- GR-4 THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND REMOVAL OF TEMPORARY BRACING AND CONSTRUCTION SUPPORTS, FOR NEW AND EXISTING STRUCTURES, AS NECESSARY TO COMPLETE THE PROJECT. NO PORTION OF THE PROJECT WHILE UNDER CONSTRUCTION IS INTENDED TO BE STABLE IN THE ABSENCE OF THE CONTRACTOR'S TEMPORARY SUPPORTS AND BRACES. CONTRACTOR SHALL RETAIN A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED TO DESIGN TEMPORARY BRACING AND CONSTRUCTION SUPPORTS.
- GR-5 THE SPECIFICATIONS ARE AN INTEGRAL PART OF THE CONTRACT DOCUMENTS AND SHALL BE USED IN CONJUNCTION WITH THE STRUCTURAL DRAWINGS.
- GR-6 THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AND COORDINATE WITH THE STRUCTURAL DRAWINGS, ARCHITECTURAL DRAWINGS, DRAWINGS FROM OTHER CONSULTANTS, PROJECT SHOP DRAWINGS AND FIELD CONDITIONS.
- GR-7 IN CASES OF CONFLICT BETWEEN DRAWINGS AND/OR SPECIFICATIONS AND OTHER DISCIPLINES OR EXISTING CONDITIONS, CONTRACTOR SHALL NOTIFY THE DESIGN PROFESSIONALS AND OBTAIN CLARIFICATION PRIOR TO BIDDING AND PROCEEDING WITH WORK.
- GR-8 APPLY DETAILS, SECTIONS, AND NOTES ON THE DRAWINGS WHERE CONDITIONS ARE SIMILAR TO THOSE INDICATED BY DETAIL, TITLE, NOTE, OR SIGN.
- GR-9 ONLY USE DIMENSIONS INDICATED ON THE DRAWINGS. DO NOT SCALE DRAWINGS.
- GR-10 ASSUME EQUAL SPACING BETWEEN ESTABLISHED DIMENSIONS, IF NOT INDICATED ON DRAWINGS.
- GR-11 CENTERLINES OF COLUMNS AND FOUNDATIONS COINCIDE WITH GRID LINE INTERSECTIONS, UON.
- GR-12 CENTERLINES OF GRADE BEAMS AND WALLS COINCIDE WITH CENTERLINES OF FOUNDATIONS, UON.
- GR-13 CENTERLINES OF FRAMING MEMBERS COINCIDE WITH COLUMN CENTERLINES, UON.
- GR-14 THE CONTRACTOR SHALL PROTECT EXISTING FACILITIES, STRUCTURES AND UTILITIES FROM DAMAGE.
- GR-15 THE CONTRACTOR SHALL VERIFY THAT CONSTRUCTION LOADS DO NOT EXCEED THE CAPACITY OF THE STRUCTURE AT THE TIME THE LOAD IS APPLIED.
- GR-16 THE CONTRACTOR SHALL COORDINATE THE BOTTOM OF BASE PLATE ELEVATIONS WITH THE AS-BUILT TOP OF SUPPORT ELEVATIONS.
- GR-17 THE CONTRACTOR SHALL VERIFY ALL OPENING SIZES AND LOCATIONS WITH OTHER DISCIPLINES. THE DRAWINGS DO NOT SHOW ALL OPENINGS REQUIRED. ADDITIONAL OPENINGS, BLOCKOUTS AND SLEEVES MAY BE REQUIRED BY OTHER DISCIPLINES AND SHALL BE CONSTRUCTED USING THE TYPICAL DETAILS AND/OR THE CRITERIA INDICATED ON THE DRAWINGS. OPENINGS REQUIRED BUT NOT SHOWN ON THE STRUCTURAL DRAWINGS MUST BE APPROVED BY THE SER.
- GR-18 ELEVATIONS INDICATED ON STRUCTURAL DRAWINGS ARE BASED ON A PROJECT DATUM INDICATED ON THE ARCHITECTURAL DRAWINGS.
- GR-19 SEE ARCHITECTURAL, CIVIL, MEP, AND VERTICAL TRANSPORTATION CONTRACT DOCUMENTS FOR ADDITIONAL INFORMATION RELATING TO THE COORDINATION OF STRUCTURAL COMPONENTS INCLUDING, BUT NOT LIMITED TO:

ARCHITECTURAL:
PLAN DIMENSIONS AND PROJECT DATUM
SLAB EDGE DIMENSIONS
FINISH ELEVATIONS
WATERPROOFING AND DAMP-PROOFING DETAILS
RAMP GEOMETRY: PITS, SLAB SLOPES AND DEPRESSIONS
EMBEDMENTS, INSERTS, BLOCKOUTS, ETC.
EXACT OPENING SIZES FOR PIPES, DUCTS, ETC.
CONCRETE FINISHES AND TOPPING SLABS
CONCRETE CURBS AND HOUSEKEEPING AIDS
INTERIOR NON-STRUCTURAL MASONRY PARTITIONS
FIRE RATINGS
METAL PAN STAIRS AND SUPPORTS
OPERABLE PARTITIONS

MEP:
PIPE AND DUCT SIZES FOR OPENING AND SLEEVE COORDINATION
FLOOR DRAINS
UNDERFLOOR AND PERIMETER DRAINAGE SYSTEMS
EQUIPMENT CURBS
CONDUITS AND EMBEDMENTS IN WALLS AND SLABS

CD CODES AND DESIGN CRITERIA

CD-1 PERFORM ALL CONSTRUCTION IN CONFORMANCE WITH THE BUILDING AND DESIGN CODES REFERENCED WITHIN THESE DOCUMENTS. THE PROJECT DOCUMENTS REFER TO THE FOLLOWING CODES AND STANDARDS, UON.

INTERNATIONAL BUILDING CODE, 2024 EDITION
STRUCTURAL LOADS
"MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES"
ASCE 07-16

STRUCTURAL CONCRETE
"BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
THE AMERICAN CONCRETE INSTITUTE (ACI 318-19)

MASONRY
"BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES"
THE AMERICAN CONCRETE INSTITUTE (TMS 402-16)

"SPECIFICATION FOR MASONRY STRUCTURES"
THE AMERICAN CONCRETE INSTITUTE (TMS 602-16)

STRUCTURAL STEEL
"SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" (AISC 360-10) CONFORMING TO THE PROVISIONS OF LOAD RESISTANCE FACTOR DESIGN, BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC 360-10)

CD-2 SUPERIMPOSED DEAD LOADS (SERVICE LEVEL)

SEE DESIGN LOAD DIAGRAMS ON SHEET S-010 - S-011 FOR LOCATIONS AND EXTENT OF SUPERIMPOSED DEAD LOADS.

CD-3 OCCUPANCY OR RISK CATEGORY: III

CD-4 SNOW LOADS (SERVICE LEVEL)

FLAT ROOF SNOW LOAD (psf) 25 PSF
GROUND SNOW LOAD (psf) 20 PSF
SNOW EXPOSURE FACTOR (Ce) 1.0
SNOW LOAD IMPORTANCE FACTOR (Is) 1.25
THERMAL FACTOR (Ct) 1.0
SNOW DRIFTING PER CODE

CD-5 WIND LOAD DESIGN DATA (STRENGTH LEVEL)

MAIN WIND FORCE RESISTING SYSTEM
BASIC WIND SPEED, V 116 MPH
EXPOSURE C
INTERNAL PRESSURE COEFFICIENT ± 0.18

CD-6 IN CASES WHERE THE CONTRACTOR DETERMINES THAT SUSPENDED OR FLOOR MOUNTED EQUIPMENT LOADS EXIST WHICH EXCEED DESIGN LOADS INDICATED ON CONTRACT DOCUMENTS, CONTRACTOR SHALL SUBMIT LOAD DATA TO DESIGN PROFESSIONALS FOR REVIEW PRIOR TO PROCEEDING WITH WORK.

CD-7 DISTRIBUTE THE MAXIMUM LOAD HUNG FROM ANY STRUCTURAL MEMBER FOR DUCTWORK, PIPING, ETC. OVER THE MEMBER'S TRIBUTARY AREA IN A WAY THAT THE MEP DESIGN SUPERIMPOSED DEAD LOADS LISTED IN CONTRACT DOCUMENTS ARE NOT EXCEEDED. THE CONTRACTOR SHALL COORDINATE THE LOADS OF ALL TRUNKS AND BRANCHES WITH ADDITIONAL SUPPORT OR DISTRIBUTION FRAMING AS REQUIRED TO ACHIEVE THE ALLOWABLE LOAD DISTRIBUTION.

CD-8 STRUCTURAL COMPONENTS ARE NOT DESIGNED FOR VIBRATING EQUIPMENT. MOUNT VIBRATING EQUIPMENT ON VIBRATION ISOLATORS.

CD-9 SERVICEABILITY
LATERAL DRIFT DUE TO WIND LOADS IS LESS THAN OR EQUAL TO H/400 AT RECRUITING ROOM.

CD-10 CONNECTIONS OF SYSTEMS DESIGNED BY CONTRACTOR'S ENGINEER SUCH AS, BUT NOT LIMITED TO, CLADDING, STAIRS, ELEVATORS, ESCALATORS, PRECAST, AND MEP LOADS ARE ASSUMED TO IMPOSE VERTICAL AND/OR HORIZONTAL LOADS ON THE BASE BUILDING STRUCTURAL MEMBERS WITHOUT GENERATING TORSION IN THE SUPPORTING STRUCTURAL MEMBERS. CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING ALL SUPPLEMENTARY BRACING MEMBERS AS REQUIRED TO PREVENT TORSION ON THE BASE BUILDING STRUCTURE.

SU SUBMITTALS

SU-1 THE CONTRACTOR SHALL PROVIDE THE REQUIRED SUBMITTALS FOR STRUCTURAL REVIEW AS OUTLINED IN THE SPECIFICATIONS. THIS INCLUDES BOTH ITEMS FULLY DESIGNED ON THE CONTRACT DOCUMENTS AND ITEMS LISTED AS DELEGATED DESIGN. ITEMS INCLUDE, BUT ARE NOT LIMITED TO:

032000 CONCRETE REINFORCEMENT AND EMBEDDED ASSEMBLIES
033000 CAST-IN-PLACE CONCRETE
051000 STRUCTURAL STEEL
316000 FOOTINGS

SU-2 SUBMITTAL LOADS IMPOSED ONTO BASE BUILDING STRUCTURE BY THE FOLLOWING CONTRACTOR DESIGNED SYSTEMS:

EXTERIOR CLADDING SYSTEMS

WHERE CONTRACTOR LOADS IMPOSED DO NOT EXCEED AND/OR CONNECTION CONDITIONS DO NOT DIFFER FROM WHAT IS INDICATED IN THE STRUCTURAL DRAWINGS, SUBMIT FOR RECORD A LETTER SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED STATING THE FOLLOWING:

"THE CONTRACTOR DESIGNED SYSTEM HAS BEEN DESIGNED TO IMPOSE LOADS ON THE BASE BUILDING STRUCTURE THAT ARE WITHIN THE LOAD LIMITS AND AT THE LOCATIONS INDICATED ON THE STRUCTURAL DRAWINGS."

WHERE CONTRACTOR LOADS IMPOSED FOR THE ITEMS LISTED ABOVE EXCEED AND/OR CONNECTION CONDITIONS DIFFER FROM WHAT IS SHOWN IN THE STRUCTURAL DRAWINGS, SUBMIT FOR APPROVAL TO SER LOADS IMPOSED ON THE PRIMARY STRUCTURAL FRAME DUE TO THE DEAD, LIVE, AND WIND/SEISMIC LOADS INDICATED ON THE CONTRACT DOCUMENTS.

SUBMITTAL SHALL LIST THE DESIGN LOADS USED AND BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED. SUBMITTAL SHALL INCLUDE LOCATION, MONITORING AND DIRECTION OF UNIFORM AND POINT LOADS, GRAPHICALLY REPRESENTED IN THEIR APPROPRIATE LOCATIONS ON A COPY OF THE CONTRACT DOCUMENT STRUCTURAL FRAMING PLANS OR ELEVATIONS AS APPROPRIATE. DETAIL REFERENCES IN THE CONNECTIONS APPLICABLE AT EACH LOCATION SHALL BE NOTED ON THE SUBMITTAL DRAWINGS.

FOR EXTERIOR WALL ASSEMBLIES, THE LOADS IMPOSED SUBMITTAL SHALL BE COMPREHENSIVE INDICATING THE LOADS IMPOSED ON THE BASE BUILDING STRUCTURE AND SHALL INCLUDE THE REACTIONS BASED ON THE ACTUAL LOADS OF THE ENTIRE ASSEMBLY, INCLUDING BUT NOT LIMITED TO GLAZING, CLADDING, METAL STUD BACKUP, AND MULLIONS.

FOR MEP SYSTEMS, THE LOADS IMPOSED SUBMITTAL SHALL BE COMPREHENSIVE INDICATING THE LOADS IMPOSED ON THE BASE BUILDING STRUCTURE AND SHALL INCLUDE THE REACTIONS BASED ON THE ACTUAL LOADS OF THE ENTIRE MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION SYSTEM, INCLUDING BUT NOT LIMITED TO PIPING, DUCTS, ELECTRICAL RACEWAYS, AND EQUIPMENT WEIGHTS.

A SUBSTITUTION REQUEST MAY BE REQUIRED WHERE CONTRACTOR LOADS IMPOSED EXCEED AND/OR CONNECTION CONDITIONS DIFFER FROM THE BASIS OF DESIGN.

SU-3 THE SER'S REVIEW OF SUBMITTALS SHALL BE FOR GENERAL CONFORMANCE WITH THE DESIGN INTENT. NO WORK SHALL BE STARTED WITHOUT SUCH REVIEW.

SU-4 ALL SHOP DRAWINGS SHALL BE ORIGINAL DOCUMENTS AND NOT REPRODUCTIONS OF THESE CONTRACT DOCUMENTS.

CM CONCRETE MATERIALS

CM-1 CONCRETE STRENGTH SHALL MEET THE FOLLOWING 28-DAY COMPRESSION STRENGTHS (f'c), UON:

CONCRETE ELEMENT	f'c, AGE	EXPOSURE CATEGORY
FOOTINGS	4,000 PSI / 28 DAY	F2-SB-WB-C1
NON-SHOWN GROUT	4,000 PSI / 28 DAY	N/A
INTERIOR SLAB ON GRADE	4,000 PSI / 28 DAY	F6-SB-WB-C2

CONCRETE EARLY COMPRESSIVE STRENGTH REQUIREMENTS FOR CONSTRUCTION SHALL BE ESTABLISHED AND COORDINATED BY THE CONTRACTOR AND SUBMITTED TO THE SER FOR REVIEW.

CM-2 PROVIDE NORMAL WEIGHT CONCRETE WITH CURED DENSITY OF 145 +/- 5 PCF, AND AGGREGATE CONFORMING TO ASTM C33, UON. WHERE INDICATED, PROVIDE LIGHTWEIGHT CONCRETE WITH CURED DENSITY OF 112-13 PCF AND AGGREGATE CONFORMING TO ASTM C330.

CM-3 THE USE OF CALCIUM CHLORIDE AND OTHER CHLORIDE CONTAINING AGENTS IS PROHIBITED. THE USE OF RECYCLED CONCRETE IS PROHIBITED. PLACEMENT WITHIN AND CONTACT BETWEEN ALUMINUM ITEMS, INCLUDING ALUMINUM CONDUIT, AND CONCRETE IS PROHIBITED.

CM-4 THE CONCRETE SLABS-ON-GRADE HAS BEEN DESIGNED FOR THE FINAL USE AND NOT FOR CONSTRUCTION CONSIDERATIONS. CONTRACTOR SHALL COORDINATE SLAB DESIGN WITH CONSTRUCTION NEEDS. THE SLAB DESIGN INDICATED ON THESE DRAWINGS IS TO BE CONSIDERED A MINIMUM. SUBMIT CHANGES TO THE SLAB DESIGN TO SER FOR REVIEW.

CM-5 ALL CAST-IN-PLACE CONCRETE WILL EXPERIENCE DIFFERING VARIATIONS OF CRACKING. ANY ELEMENT EXPOSED TO DIRECT WEATHER AND/OR TEMPERATURE VARIATIONS DURING CONSTRUCTION OR IN THE FINAL CONDITION IS TO BE TREATED REGULARLY MAINTENANCE TO PREVENT PROPAGATION OF CRACKS AND WATER PENETRATION. THE CONTRACTOR SHALL DEVELOP A REGULAR MAINTENANCE PROGRAM AND SUBMIT IT TO THE OWNER.

CM-6 PRIOR TO PLACING CONCRETE IN ANY LOCATION, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE THOROUGHLY CHECKED AND COORDINATED ALL DIMENSIONS, ELEVATIONS, OPENINGS, RECESSES, AND BLOCKOUTS SHOWN ON THE ARCHITECTURAL, STRUCTURAL, AND MECHANICAL/ELECTRICAL/PLUMBING DRAWINGS. IN THE EVENT ERRORS, CONFLICTS, OR OMISSIONS EXIST, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE ARCHITECT OR SER FOR NECESSARY CORRECTIVE ACTION.

RE CONCRETE REINFORCEMENT

RE-1 ALL CONCRETE SHALL INCLUDE REINFORCEMENT. IF REINFORCEMENT IS NOT SPECIFICALLY INDICATED ON THE DRAWINGS VERIFY WITH THE SER.

RE-2 REINFORCEMENT SHALL CONFORM TO THE FOLLOWING STANDARDS AND MATERIAL PROPERTIES UON:

DEFORMED BARS: ASTM A615 GRADE 60
WELDABLE DEFORMED BARS: ASTM A706

RE-3 DETAIL REINFORCEMENT BASED ON THE PROJECT REQUIREMENTS, ACI-318 AND ACI 315, UON.

RE-4 WHERE A 90-DEG, 135-DEG OR 180-DEG HOOK IS GRAPHICALLY INDICATED, PROVIDE CORRESPONDING ACI STANDARD HOOKS, UON.

RE-5 DOWELS SHALL MATCH SIZE AND SPACING OF MAIN REINFORCEMENT UON.

RE-6 PROVIDE CORNER BARS AT THE EXTERIOR FACE OF ALL WALL AND FOOTING CORNERS EQUAL TO HORIZONTAL BARS, UON.

RE-7 REINFORCEMENT SHALL HAVE CONCRETE PROTECTION (CLEAR COVER) PER ACI 318 UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

RE-8 LAP REINFORCEMENT ONLY AT LOCATIONS AS SPECIFICALLY DETAILED ON THE DRAWINGS EXCEPT REINFORCEMENT MARKED AS CONTINUOUS CAN BE SPICED AT LOCATIONS DETERMINED BY CONTRACTOR USING TENSION LAP SPLICES (S-11). SEE LAP SPLICE AND EMBEDMENT SCHEDULE.

RE-9 UNLESS OTHERWISE NOTED ALL LAP SPLICES ARE TO BE TENSION LAP SPLICES PER LAP SPLICE AND EMBEDMENT SCHEDULE.

RE-10 ALL ACCESSORIES FOR SUPPORTING REINFORCING SHALL BE GALVANIZED OR HAVE PLASTIC COATED FEET.

SS STRUCTURAL STEEL

SS-1 STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING MINIMUM REQUIREMENTS UNLESS OTHERWISE NOTED ON THE CONTRACT DOCUMENTS. SEE ADDITIONAL MATERIAL REQUIREMENTS RELATED TO MATERIAL TOUGHNESS BELOW.

ASTM A672 OR A692, MINIMUM YIELD STRENGTH 50 KSI
MISCELLANEOUS ANGLES: ASTM A672 OR A692, MINIMUM YIELD STRENGTH 50 KSI UON
HOLLOW STRUCTURAL SECTIONS: ASTM A600 GRADE C, MINIMUM YIELD STRENGTH 50 KSI FOR RECTANGULAR HSS

SS-2 CONNECTION MATERIAL SHALL CONFORM TO THE FOLLOWING MINIMUM REQUIREMENTS OR AS NEEDED FOR CONNECTION DESIGN:

PLATES: ASTM A572 OR A529, MINIMUM YIELD STRENGTH 50 KSI UON
BOLTS: ASTM F1554 GRADES A325 AND F1552
NUTS: ASTM A662
WASHERS: ASTM F436
ANCHOR RODS: ASTM F1554 GRADE 55 WITH WELDABILITY SUPPLEMENT S1
WELD ELECTRODES: MINIMUM TENSILE STRENGTH 70 KSI TO 50 KSI STEEL MATERIALS

SS-3 FIELD MODIFICATION OF STRUCTURAL STEEL IS PROHIBITED WITHOUT PRIOR WRITTEN APPROVAL OF THE DESIGN PROFESSIONALS.

SC STRUCTURAL STEEL CONNECTIONS

SC-1 ALL STEEL DETAILS AND CONNECTIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS", AISI-LOAD AND RESISTANCE FACTOR DESIGN.

SC-2 ALL CONNECTIONS INDICATED ON STRUCTURAL DRAWINGS HAVE BEEN COMPLETELY DESIGNED.

SC-3 DETAILS INDICATED ON DRAWINGS DO NOT SHOW ERECTION AIDS. PROVIDE ERECTION AIDS AS REQUIRED AND REMOVE THEM AFTER WORK IS COMPLETE.

SC-4 ALTERNATE CONNECTIONS TO THOSE SHOWN ON DRAWINGS WILL BE CONSIDERED AS A SUBSTITUTION REQUEST. SEE PROJECT SPECIFICATIONS.

SC-5 ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE STRUCTURAL WELDING CODE, AWS/AWS D1.1, LATEST EDITION. ALL WELD SIZES SHALL BE THE LARGER OF THE SIZE REQUIRED BY CONNECTION FORCES, THE MINIMUM SIZE PER AWS/AWS D1.1, OR 3/16 INCH MINIMUM FILLET WELD UON. ANY WELD SIZES SHOWN ON THE DESIGN DRAWINGS ARE CONSIDERED EFFECTIVE. WELD SIZES AND SHALL BE INCREASED IN ACCORDANCE WITH AWS AS REQUIRED BY GAPS OR SKEWS BETWEEN COMPONENTS.

SI SPECIAL INSPECTIONS

SI-1 THE FOLLOWING STRUCTURAL ITEMS REQUIRE SPECIAL TESTING AND/OR INSPECTIONS:

REFER TO SHEET S-003 AND S-004 FOR SPECIAL INSPECTION REQUIREMENTS.

SI-2 THE OWNER IS RESPONSIBLE FOR EMPLOYING ONE OR MORE SPECIAL INSPECTORS TO PERFORM INSPECTIONS DURING CONSTRUCTION, BASED ON THE REQUIREMENTS OF ONE OR MORE DESIGN PROFESSIONALS.

SI-3 THE CONTRACTOR SHALL REQUEST SPECIAL INSPECTION OF THE ITEMS LISTED ABOVE PRIOR TO THOSE ITEMS BECOMING INACCESSIBLE AND UNDESIRABLE DUE TO PROGRESSION OF WORK. CONTRACTOR SHALL PROVIDE SAFE ACCESS TO THE JOB SITE AND ITEMS TO BE INSPECTED. SAFE ACCESS INCLUDES BUT IS NOT LIMITED TO LADDERS, SCAFFOLDING AND/OR CONTRACTOR OPERATED LIFTS AS REQUIRED FOR SITE OBSERVATION.

SI-4 SPECIAL INSPECTOR SHALL PROVIDE BI-WEEKLY SPECIAL INSPECTION REPORTS AND SHALL DISTRIBUTE THESE REPORTS TO THE BUILDING OFFICIAL, OWNER, CONTRACTOR, ARCHITECT, STRUCTURAL ENGINEER, OR RECORD AND MECHANICAL/ELECTRICAL/PLUMBING ENGINEER OF RECORD. SPECIAL INSPECTION REPORTING SHALL BE IN ACCORDANCE WITH SECTION T04.2.4 OF THE 2021 IBC.

SI-5 ALL DISCREPANCIES NOTED DURING INSPECTIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR. IF LEFT UNCORRECTED, THESE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE APPROPRIATE DESIGN PROFESSIONALS AND/OR BUILDING OFFICIAL. THE INSPECTOR IS NOT AUTHORIZED TO APPROVE DEVIATIONS FROM THE CONTRACT DRAWINGS.

SI-6 THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, AND EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCES.

SI-7 THE ENGINEER SHALL NOT HAVE CONTROL, NOR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSION OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

SI-8 PERIODIC SITE OBSERVATION BY FIELD REPRESENTATIVES OF THORNTON TOMASETTI AND PMA ENGINEERING IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN GENERAL ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHOULD NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK, BUT RATHER PERIODIC IN AN EFFORT TO GUARD THE OWNER AGAINST DEFECTS OR DEFICIENCIES IN THE WORK OF THE CONTRACTOR.

AC ARCHITECTURAL CLADDING

AC-1 TYPICAL DETAILS INDICATE GENERAL CRITERIA FOR ASSUMED CONNECTIONS OF ARCHITECTURAL CLADDING TO BASE BUILDING STRUCTURE. PROVIDE DETAILS THAT MEET INDICATED CRITERIA AND CONFORM TO LISTED CODES AND STANDARDS. REFER TO SUBMITTALS SECTION IN THESE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

PA POST-INSTALLED ANCHORS

PA-1 ADHESIVE ANCHOR SYSTEMS USED FOR DESIGN:

OVERHEAD AND/OR CONSTANT TENSION ADHESIVE ANCHOR INSTALLATIONS NOT SHOWN ON THE DRAWINGS SHALL NOT BE PERMITTED UNLESS EACH CONDITION IS REVIEWED AND APPROVED IN WRITING BY THE SER.

PA-2 PROOF TESTING OF ADHESIVE ANCHORS SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. UNLESS NOTED OTHERWISE, ADHESIVE ANCHOR PROOF TENSION LOADS SHALL BE PER THE ADHESIVE ANCHOR PROOF SCHEDULES.

PA-3 PROOF TESTING OF EXPANSION ANCHORS SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. UNLESS NOTED OTHERWISE, EXPANSION ANCHOR PROOF TORQUE LOADS SHALL BE PER THE EXPANSION ANCHOR PROOF SCHEDULES.

PA-4 FIELD DRILLED THREADED SCREW ANCHOR SYSTEMS USED FOR DESIGN:
HULTI-KHEZ

PA-5 ALTERNATIVE SYSTEM EQUIVALENT TO OR EXCEEDING THE PROPERTIES OF THE SYSTEMS ABOVE WILL BE CONSIDERED AS A SUBSTITUTION REQUEST. SEE PROJECT SPECIFICATIONS.

PA-6 INSTALL ANCHORS TO MEET THE REQUIREMENTS INDICATED IN THE CONTRACT DOCUMENTS AND THE CURRENT MANUFACTURERS PUBLISHED INSTALLATION INSTRUCTIONS (MPI).

PA-7 LOCATE, BY NON-DESTRUCTIVE MEANS, AND AVOID ALL EXISTING REINFORCEMENT PRIOR TO INSTALLATION OF ANCHORS. IF EXISTING REINFORCING LAYOUT PROHIBITS THE INSTALLATION OF ANCHORS AS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN PROFESSIONALS.

PA-8 INSTALL ANCHORS IN SOLID MASONRY OR IN HOLLOW MASONRY THAT HAS BEEN GROUTED SOLID AT LEAST ONE COURSE ABOVE TO ONE COURSE BELOW THE ANCHOR, UON.

PA-9 SEE PROJECT SPECIFICATIONS FOR POST-INSTALLED ANCHOR INSPECTION REQUIREMENTS.

SI SPECIAL INSPECTIONS

SI-1 THE STRUCTURAL ITEMS LISTED IN THE INSPECTION TABLES ON SHEET S-002 REQUIRE SPECIAL INSPECTIONS.

SI-2 SPECIAL INSPECTIONS TO BE PERFORMED IN ACCORDANCE WITH THE IBC 2021 BUILDING CODE.

SI-3 CONTRACTOR TO COORDINATE ALL CONSTRUCTION ACTIVITY WITH THE SELECTED SPECIAL INSPECTION COMPANIES TO ALLOW ADEQUATE NOTIFICATION OF IMPENDING CONSTRUCTION ACTIVITY. UON, 24 HOURS NOTICE SHOULD BE GIVEN AT A MINIMUM.

SI-4 THE SPECIAL INSPECTOR SHALL BE EMPLOYED BY THE OWNER AND NOT BY THE CONTRACTOR OR ANY OTHER PERSON RESPONSIBLE FOR THE WORK.

SI-5 THE SPECIAL INSPECTOR SHALL BE A QUALIFIED (LICENSED) PERSON WHO SHALL PROVIDE WRITTEN DOCUMENTATION TO THE BUILDING OFFICIAL DEMONSTRATING HIS OR HER COMPETENCE AND RELEVANT TRAINING OR EXPERIENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL. EXPERIENCE SHALL BE FOR SPECIAL INSPECTIONS OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

SI-6 DISCREPANCY LOGS ARE TO BE MAINTAINED AND PROVIDED TO OWNER, ARCHITECT, ENGINEER, AND CONTRACTOR. ALL DISCREPANCIES SHOULD BE IMMEDIATELY BE BROUGHT TO THE CONTRACTOR AND ENGINEERS ATTENTION.

SI-7 REPORTS SHOULD BE SUBMITTED IN A TIMELY MANNER, NO GREATER THAN 2 WEEK INTERVALS. DISCREPANCIES MUST BE COMMUNICATED IMMEDIATELY.

SI-8 DISCREPANCY ITEMS FOUND BY THE SPECIAL INSPECTORS AND BROUGHT INTO COMPLIANCE WITH THE CONTRACT DOCUMENTS IN THE FIELD SHOULD BE NOTED IN THE DAILY REPORTS. THIS INCLUDES, BUT IS NOT LIMITED TO, INCORRECT REINFORCING SIZES OR INCORRECT SPACING OF REINFORCING. MODIFICATIONS OUTSIDE THE DIRECTION OF THE CONTRACT DOCUMENTS WILL REQUIRE A DISCREPANCY REPORT.

SI-9 PERIODIC OBSERVATIONS PERFORMED BY THE ENGINEER OF RECORD AND THEIR REPRESENTATIVES DO NOT REPLACE THE REQUIREMENT FOR SPECIAL INSPECTIONS.

SI-10 REGARDING STEEL INSPECTIONS, QUALITY CONTROL (QC) SHALL BE PERFORMED BY THE FABRICATORS OR ERECTORS QUALITY CONTROL INSPECTOR AND QUALITY ASSURANCE (QA) SHALL BE PERFORMED BY THE SELECTED SPECIAL INSPECTION COMPANY.

SI-11 FOR MORE INFORMATION, REFER TO THE TT SPECIFICATION SECTIONS FOR THE INDIVIDUAL STRUCTURAL MATERIALS AS LISTED IN THE INSPECTION TABLES. ALSO REFER TO SPECIFICATION SECTION 044000 - STRUCTURAL TESTING AND INSPECTIONS FOR FURTHER DETAIL REGARDING STRUCTURAL TESTING AND SPECIAL INSPECTIONS.



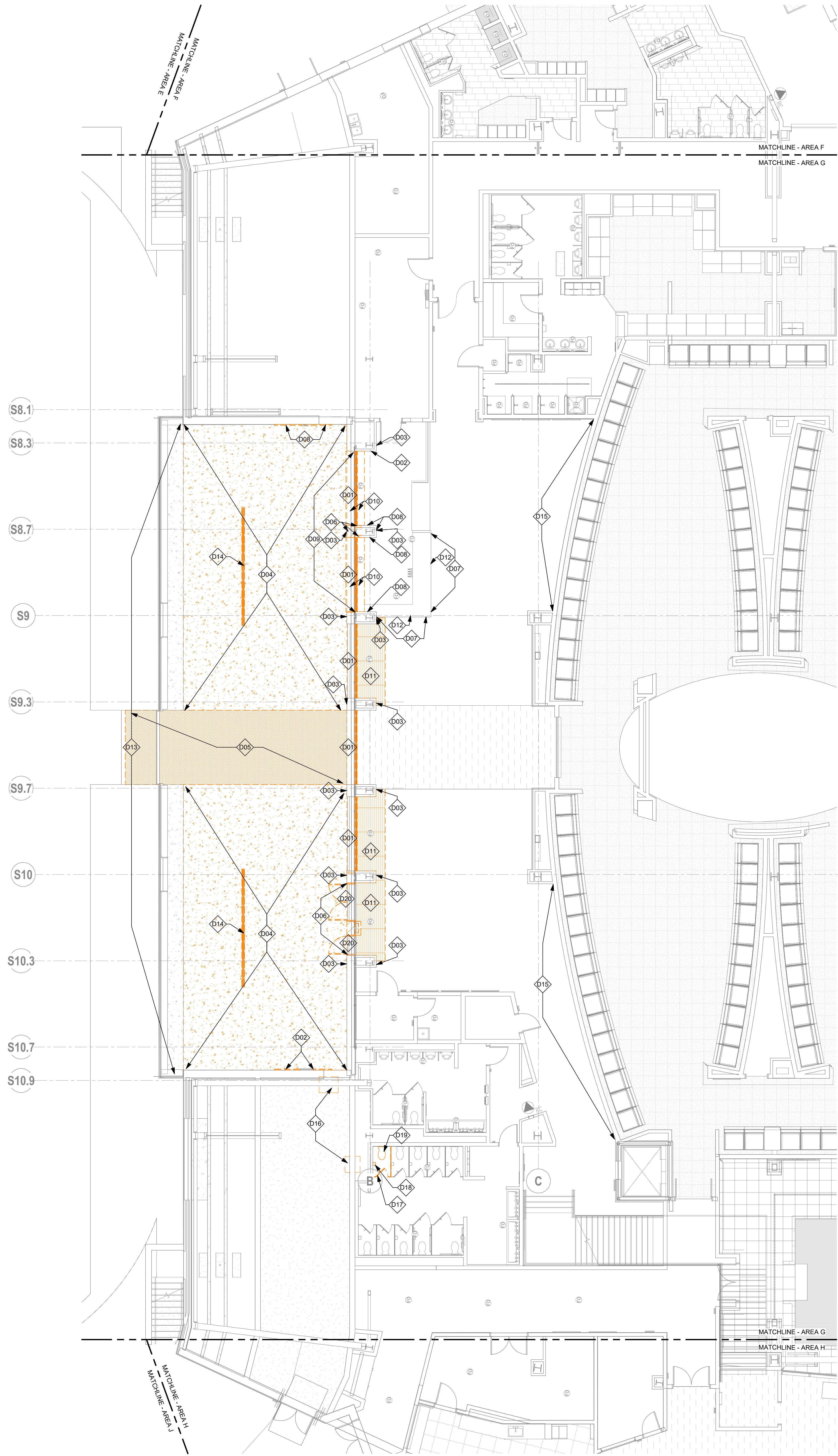
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1/8"=1'-0" 0' 4'-0" 8'-0" 16'-0" 24'-0"

DEMO AND SALVAGE REQUIRED
COMPONENTS OF TOILET
PARTITION TO BE MODIFIED AND
REINSTALLED AFTER
CONSTRUCTION OF NEW CHASE



02 TOILET PARTITION DEMO & SALVAGE
A102 SCALE: 1/4" = 1'-0"



FIELD LEVEL - AREA G - RECRUITING ROOM - DEMO PLAN
SCALE: 1/8" = 1'-0"

DEMOLITION GENERAL NOTES

DEMOLITION NOTES APPLY TO ALL DEMOLITION SHEETS.

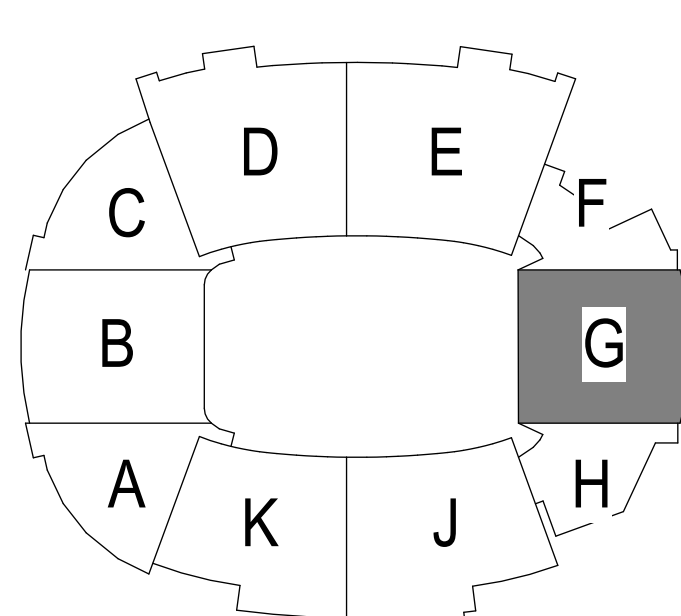
THE CONTRACTOR SHALL:

- COORDINATE ALL DEMOLITION AND PHASING EFFORTS WITH THE ARCHITECT AND OWNER'S REPRESENTATIVE. EVERY EFFORT SHALL BE MADE TO MINIMIZE DISRUPTION OF OWNER'S OPERATIONS. EXCESSIVE NOISE OR VIBRATION SHALL BE PRE-APPROVED AND COORDINATED WITH THE OWNER'S REPRESENTATIVE. IN ALL CASES, PROVISIONS SHALL BE MADE FOR USER'S SAFETY.
- COORDINATE ANY DISRUPTION OF UTILITY SERVICES WITH THE OWNER AND AS SPECIFIED.
- CONSTRUCT TEMPORARY CONSTRUCTION PARTITIONS WITHIN THE EXISTING BUILDING WHICH OFFER A ONE-HOUR ENCLOSURE TO ISOLATE ANY DEMOLITION/CONSTRUCTION WORK FROM THE GENERAL PUBLIC AND AS DEEMED NECESSARY BY THE OWNER AND CODE OFFICIAL HAVING JURISDICTION. COORDINATE LOCATIONS WITH THE OWNER AND MAINTAIN MEANS OF EGRESS THROUGHOUT THE WORK.
- MAINTAIN A SECURE, WEATHER-TIGHT ENCLOSURE AT ALL TIMES.
- VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- REMOVE IN THEIR ENTIRETY ALL EXISTING WALLS, DOORS, MILLWORK, PLUMBING FIXTURES, CEILING, SOFFITS, MARKER BOARDS, AND OTHER ITEMS AS REQUIRED TO EXECUTE THE DEMOLITION/CONSTRUCTION WORK DESCRIBED BY THE DRAWINGS.
- THE OWNER SHALL RESERVE THE RIGHT TO SALVAGE ANY MATERIALS.
- PROVIDE PROTECTION FOR ALL EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO ANY DEMOLITION OR CONSTRUCTION-RELATED INCIDENT PERFORMED UNDER THIS CONTRACT.
- REPAIR OR REPLACE ITEMS THAT ARE DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISH AND/OR CONDITION.
- EXISTING MATERIALS SHALL NOT BE REUSED UNLESS NOTED OTHERWISE OR AS AUTHORIZED BY ARCHITECT.
- VERIFY AND MAINTAIN THE LOCATION OF EXISTING POWER, COMMUNICATION AND DATA CABLES TO PREVENT INTERRUPTION OF THEIR SERVICE.
- PATCH FLOOR, WALL AND CEILING PENETRATIONS RESULTING FROM REMOVAL OR RE-ROUTING OF NEW OR EXISTING PIPING, DUCTWORK, CONDUIT, AND OTHER ITEMS, AS REQUIRED TO MAINTAIN FIRE-RESISTANT RATED SEPARATIONS. FINISH AS REQUIRED FOR NEW OR EXISTING ADJACENT SURFACES.
- CAP ALL DISCONNECTED MECHANICAL PIPING LINES WITHIN THE WALL OR FLOOR. PATCH AND FINISH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACES.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.
- AVOID ANY DISTURBANCE OF SOILS WITHIN THE ZONE OF INFLUENCE AROUND EXISTING FOOTINGS AND FLOOR SLABS AS DIRECTED BY GEOTECHNICAL ENGINEER.
- WHERE CMU WALLS ARE INDICATED TO BE REMOVED, PREPARE ADJACENT WALLS TO RECEIVE NEW PATCHFINISH BY REMOVING CHAIR IN TOOTH-IN PATTERN BOTH SIDES OF DEMOLITION FOR CONTRACTOR TO TOOTH-IN NEW CMU PATCHES.
- WHERE PLASTER/STUCCO WALLS ARE INDICATED TO BE REMOVED, PREPARE ADJACENT WALLS TO RECEIVE NEW PATCHFINISH BY SAWCUTTING ADJACENT PLASTER FINISH A MINIMUM OF 1'-0" BEYOND DEMOLITION.
- REMOVE WALLS INDICATED BY THE FOLLOWING LUNETYP (UNLESS NOTED OTHERWISE):

KEYNOTES - DEMOLITION PLAN - CP241934

- ADD-01 OVERHEAD DOOR AND ASSOCIATED TRACK ABOVE - REMOVE AND SALVAGE TO OWNER
- D01 OVERHEAD DOOR AND ASSOCIATED TRACK ABOVE - REMOVE AND SALVAGE TO OWNER
- D02 BRICK VENEER, EXTERIOR INSULATION, EXTERIOR SHEATHING AND COLD FORMED METAL FRAMING - REMOVE AND DISPOSE OF
- D03 MONITOR - REMOVE AND SALVAGE FOR REINSTALLATION
- D04 SAW CUT AND REMOVE CONCRETE SLAB AND SUBGRADE AS REQUIRED FOR NEW FOOTINGS
- D05 REMOVE EXISTING TURF AND SALVAGE FOR REINSTALLATION UPON COMPLETION OF CONCRETE SLAB
- D06 BRICK VENEER, EXTERIOR INSULATION, EXTERIOR SHEATHING AND COLD FORMED METAL FRAMING - REMOVE AND DISPOSE OF
- D07 DECORATIVE WALL TILE & SUBSTRATE - REMOVE AND DISPOSE OF
- D08 MONITOR - REMOVE AND SALVAGE FOR REINSTALLATION
- D09 BRICK VENEER, EXTERIOR INSULATION, EXTERIOR SHEATHING - REMOVE AND DISPOSE OF. EXISTING STUD FRAMING, BLACK FRP, AND BEST POST TO REMAIN - PROTECT DURING CONSTRUCTION
- D10 EXISTING QUARTZ COUNTERTOP - REMOVE AND DISPOSE OF
- D11 RECESSED FLOOR GRILLE SYSTEM - REMOVE AND DISPOSE OF
- D12 METAL BAN FOOT RAIL AND POSTS - REMOVE AND SALVAGE FOR REINSTALLATION
- D13 DRINK RAIL, BARRIER WALL AND COUNTERTOP - REMOVE AND SALVAGE FOR REINSTALLATION
- D14 TRENCH DRAIN - REMOVE PER MEP
- D15 GRAPHIC WALLCOVERING - REMOVE FOR INSTALLATION OF NEW
- D16 CMU BLOCK WALL - DEMO PORTION AS REQUIRED FOR MECHANICAL DAMPER INSTALLATION AS INDICATED ON MECHANICAL AND STRUCTURAL
- D17 METAL TOILET PARTITION AND ASSOCIATED HARDWARE - REMOVE AND SALVAGE FOR REINSTALLATION
- D18 TOILET ACCESSORIES - REMOVE AND DISPOSE OF
- D19 PLUMBING FIXTURE - REMOVE AND DISPOSE OF AS INDICATED ON
- ADD-02 TOILET ACCESSORIES - REMOVE AND DISPOSE OF

KEY PLAN



MEMORIAL STADIUM FACILITIES FACILITIES
SEZ RECRUITING ROOM FITOUT
UNIVERSITY PROJECT NUMBER: CP241934

ISSUE FOR BID

10/02/2025

A102-01 10/29/2025

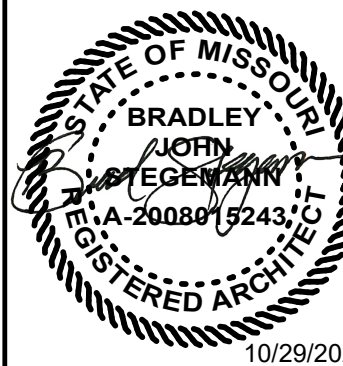
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FIELD LEVEL -
RECRUITING
ROOM - DEMO

A102

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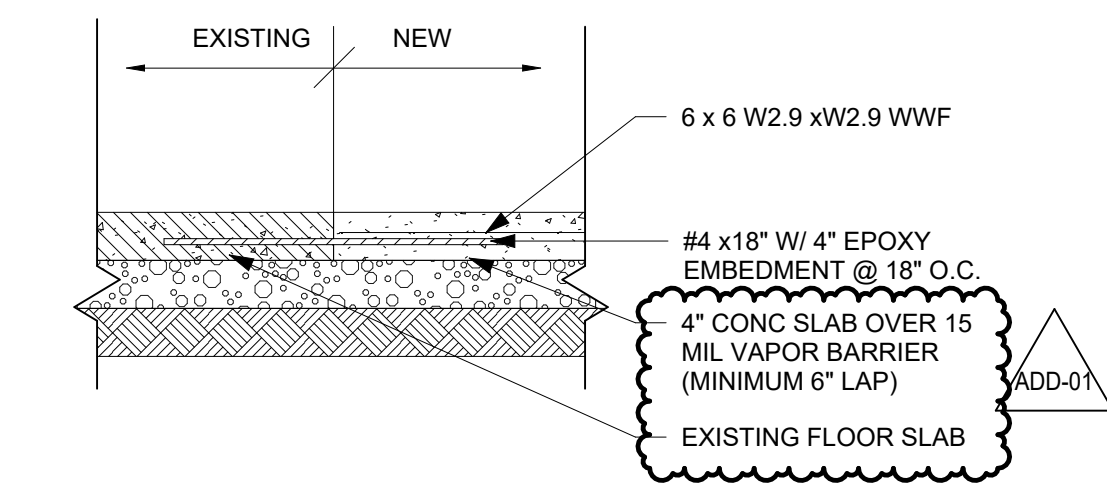
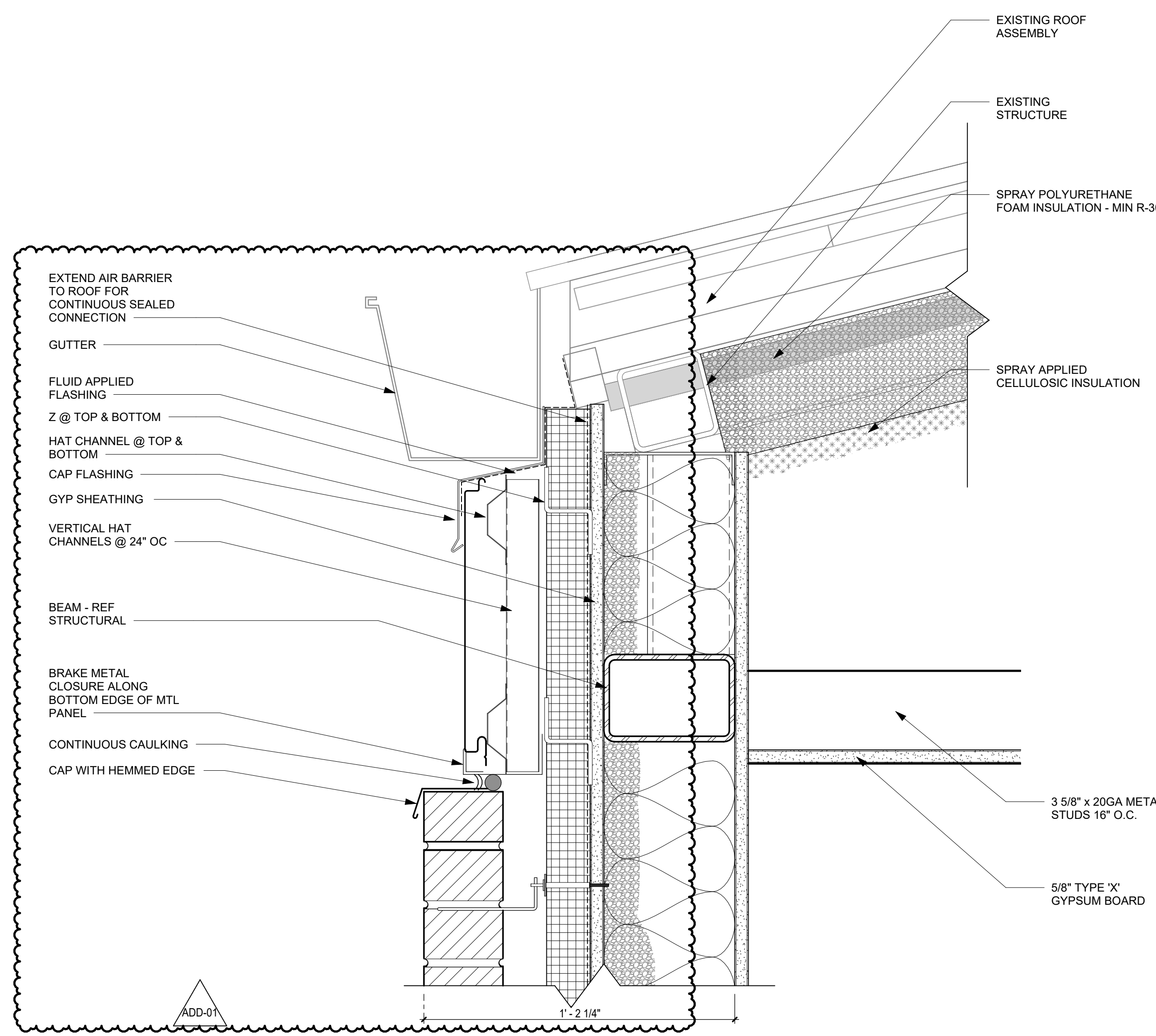


Bradley J. Stagemann - Architect
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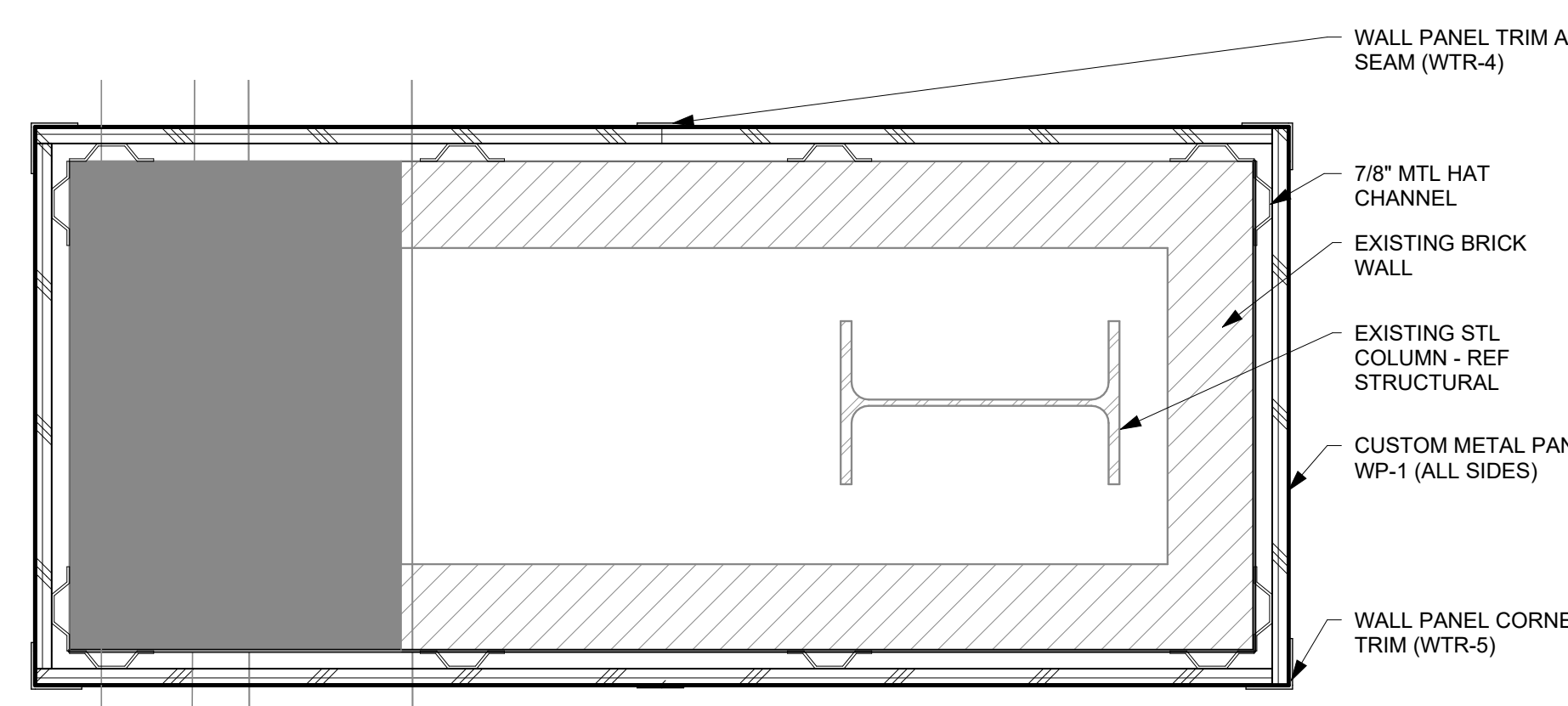
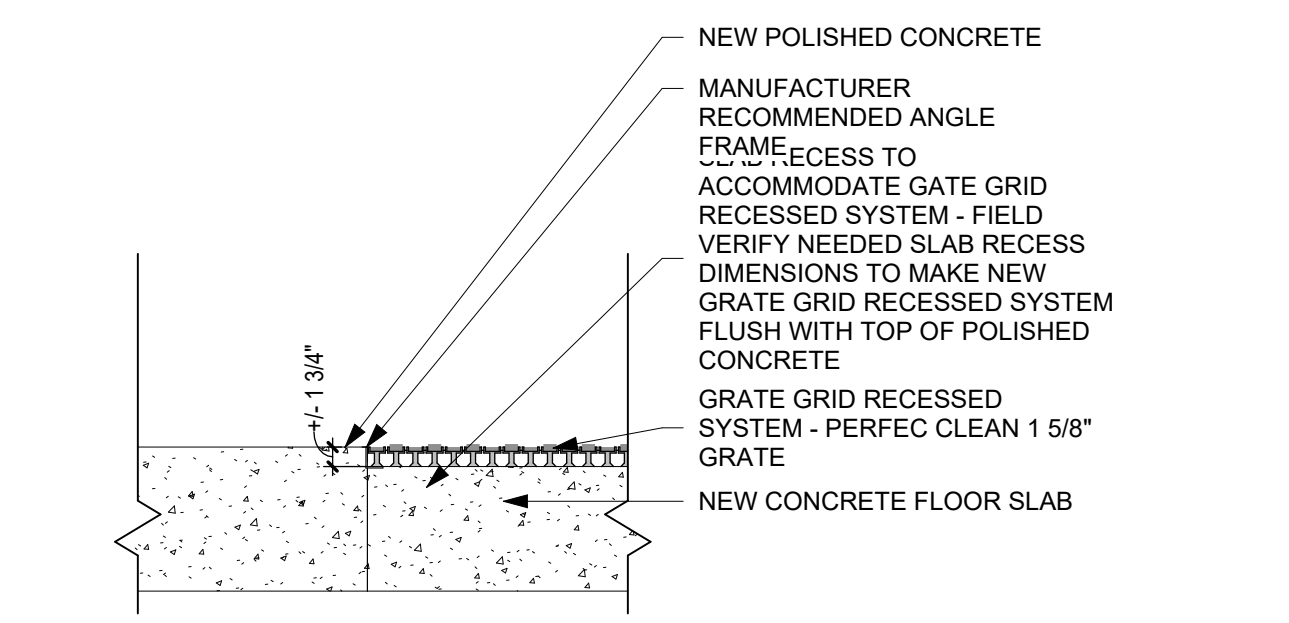
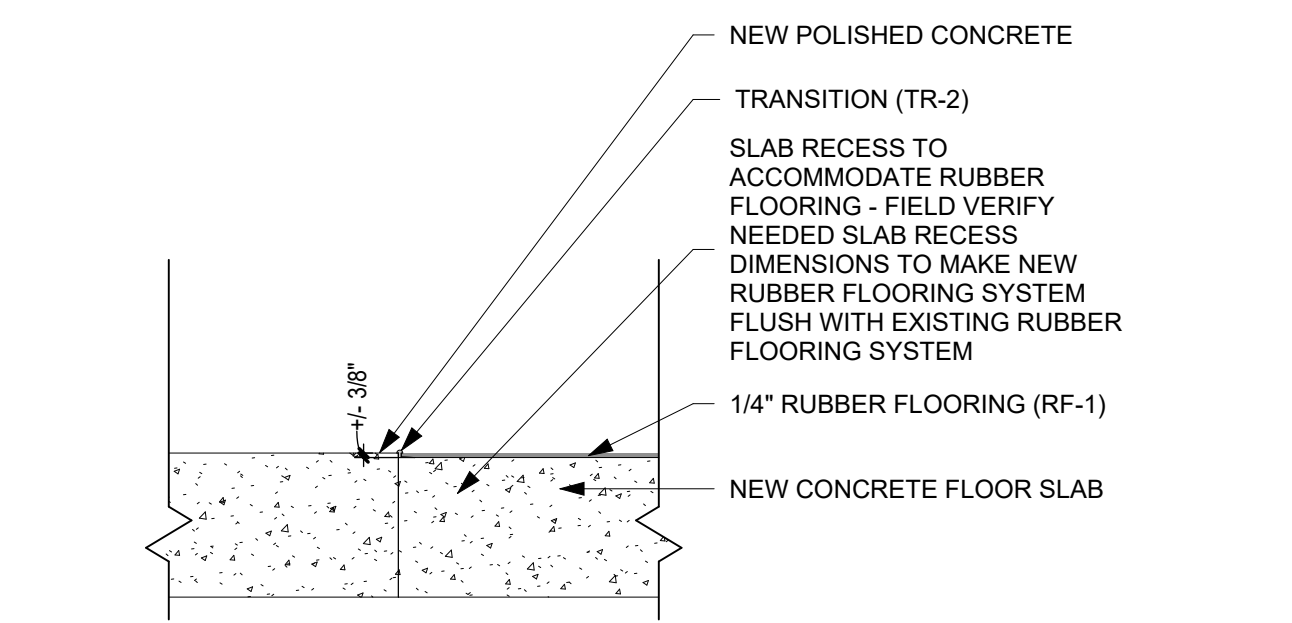
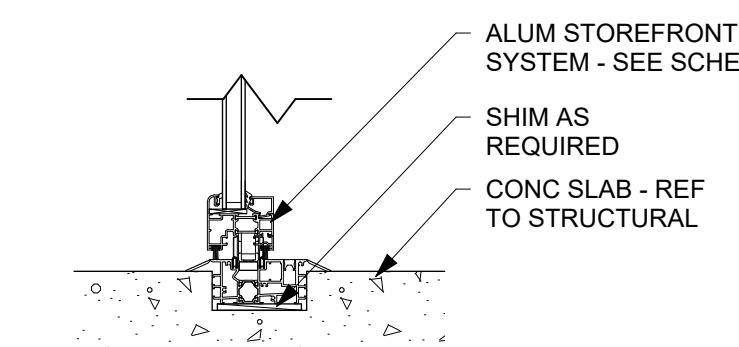
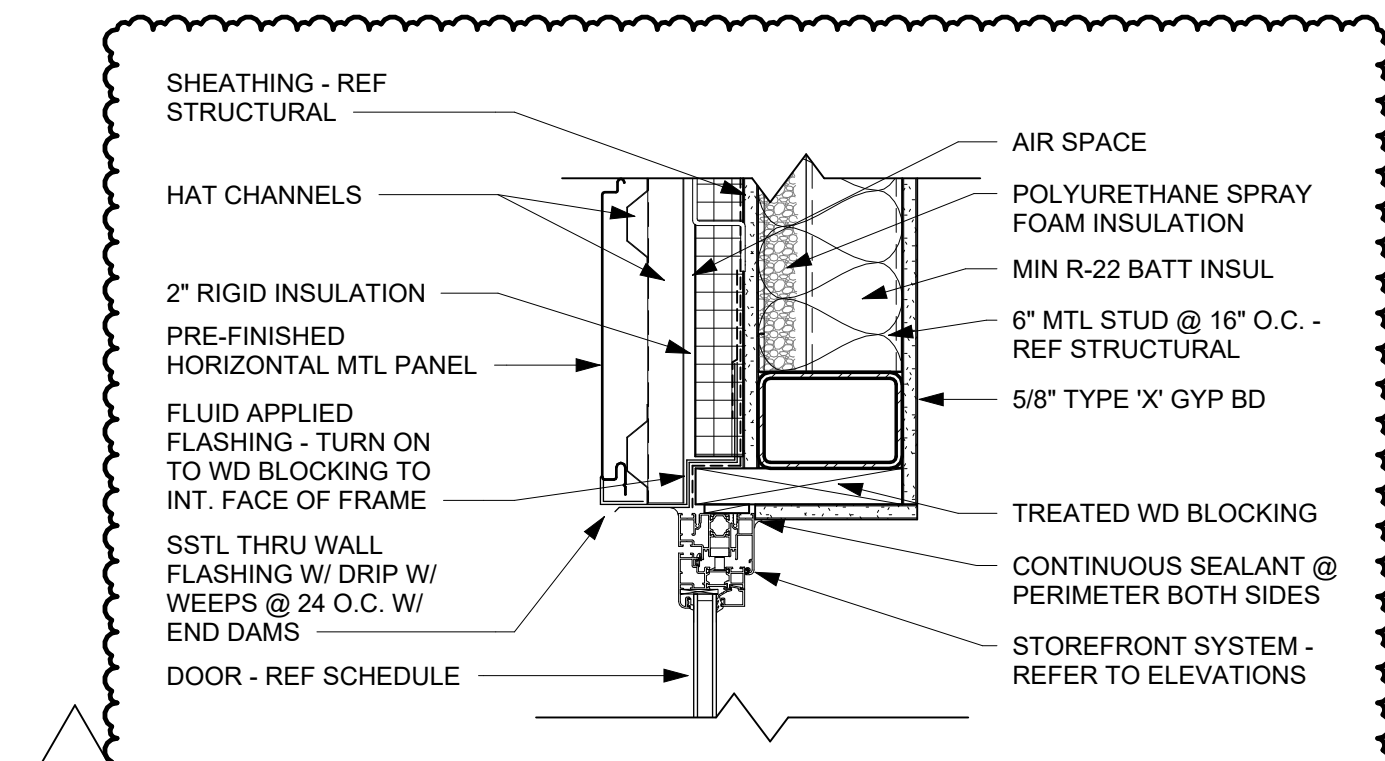
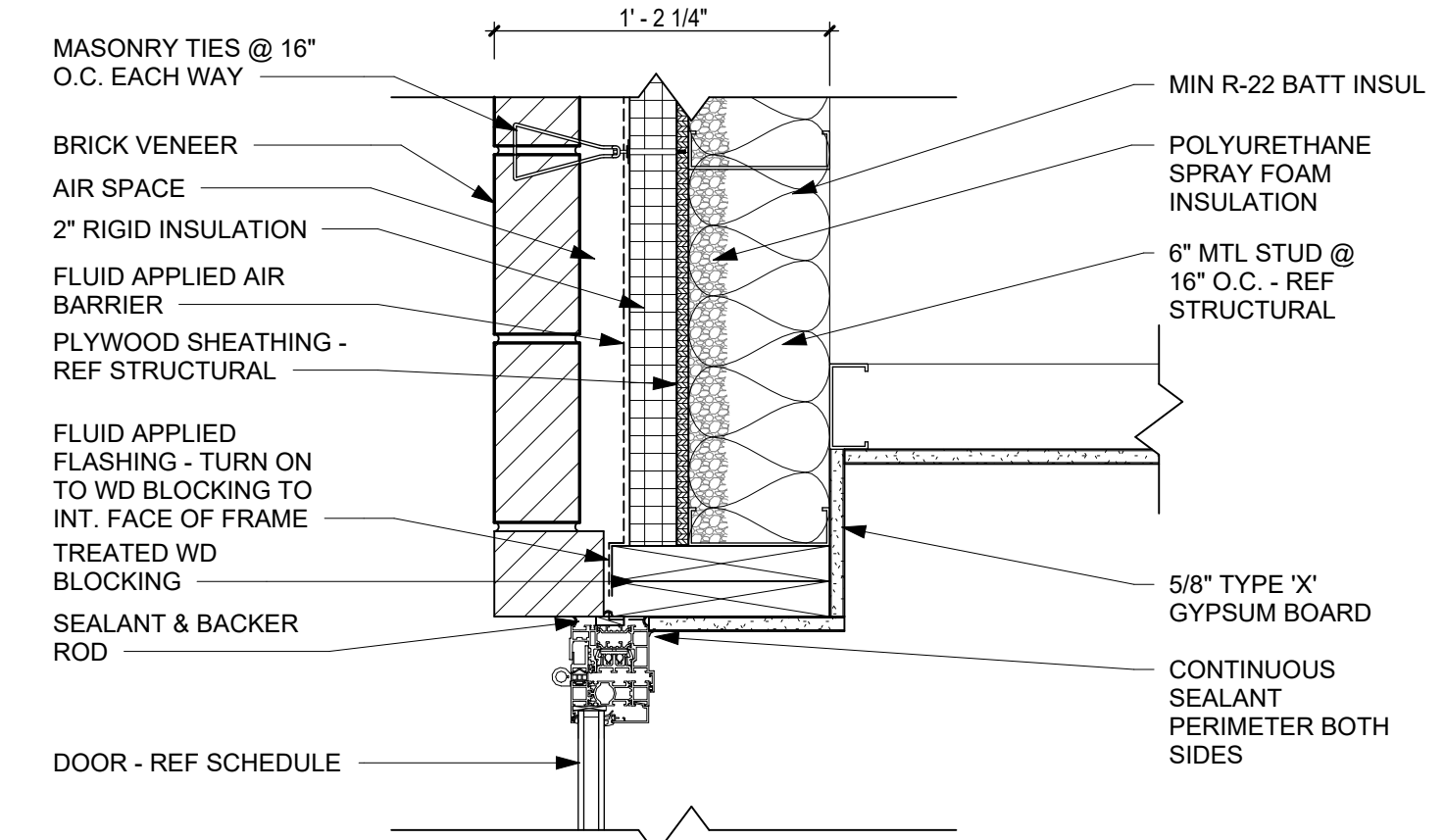
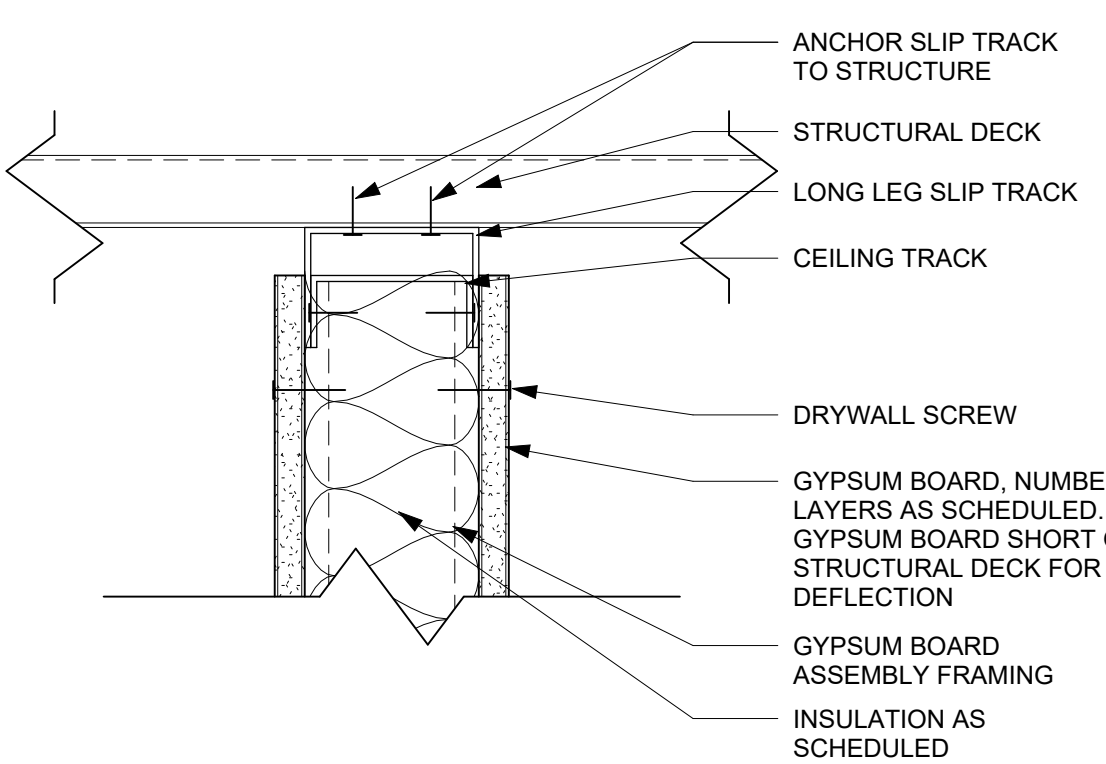
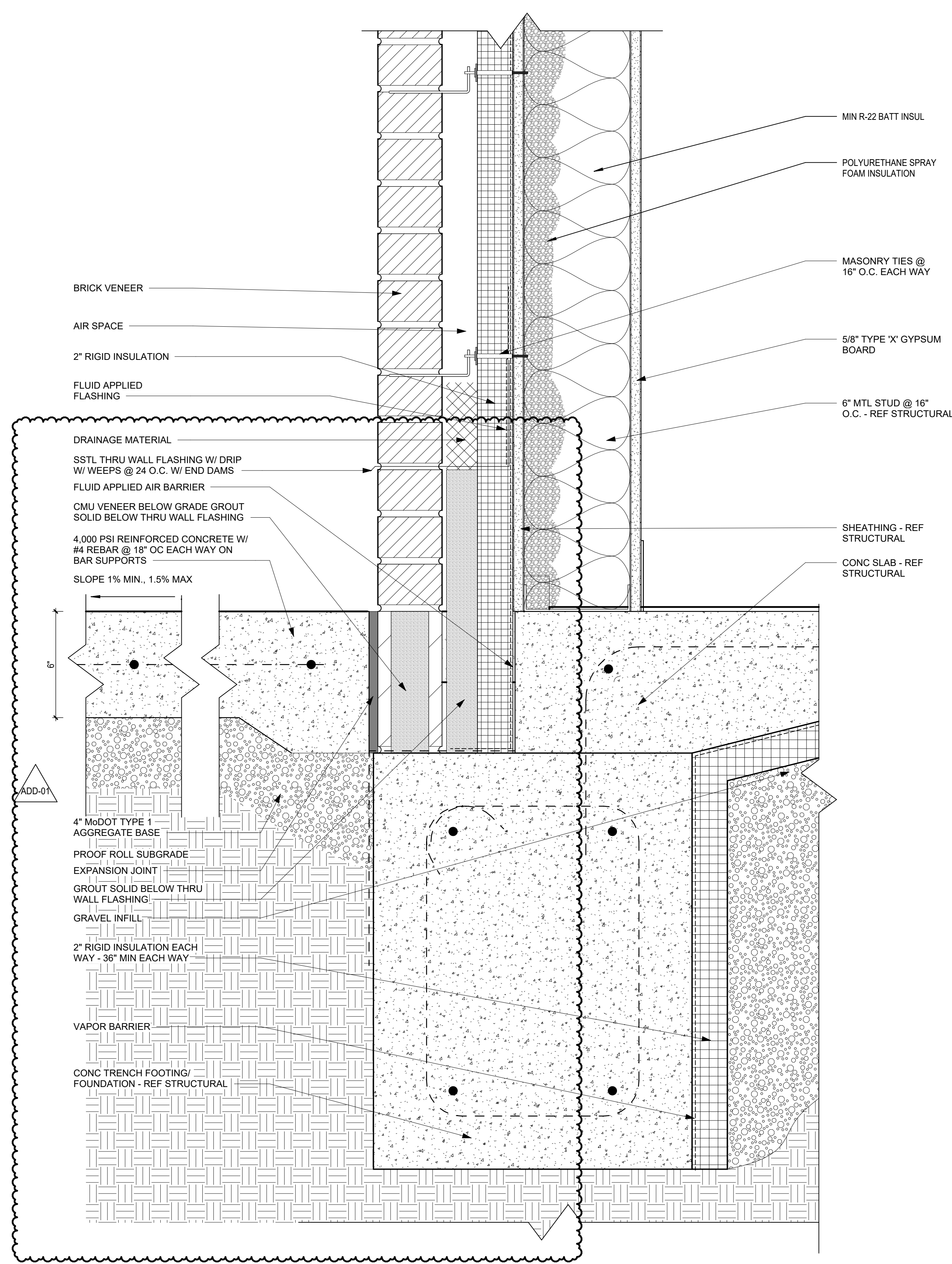


Custom Engineering
MECHANICAL & ELECTRICAL ENGINEERING
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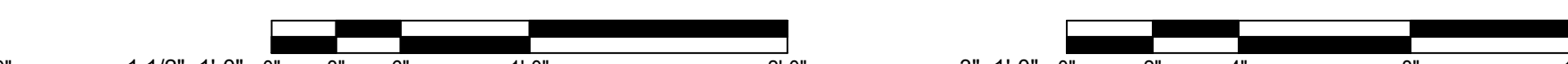
Thornton
Tomasetti
ARCHITECTS
(816) 231-7771
2325 Grand Blvd #400
Columbia, MO 65201



DETAIL 09/A601 NOT USED



04 WALL SECTION
A601 SCALE: 3" = 1'-0"



DOOR AND FRAME SCHEDULE GENERAL NOTES

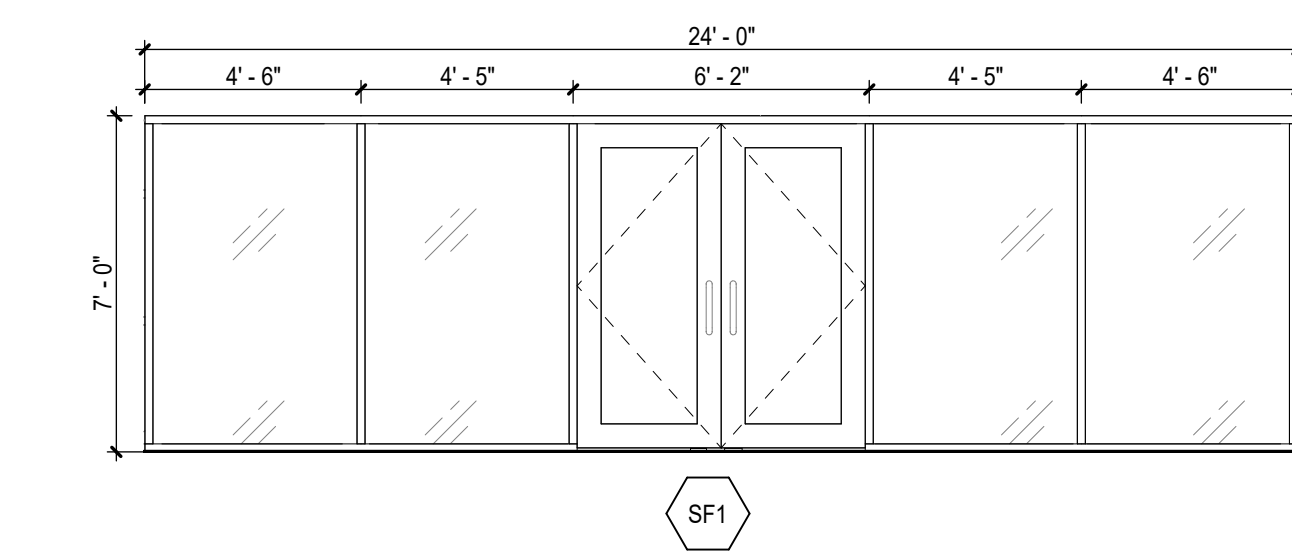
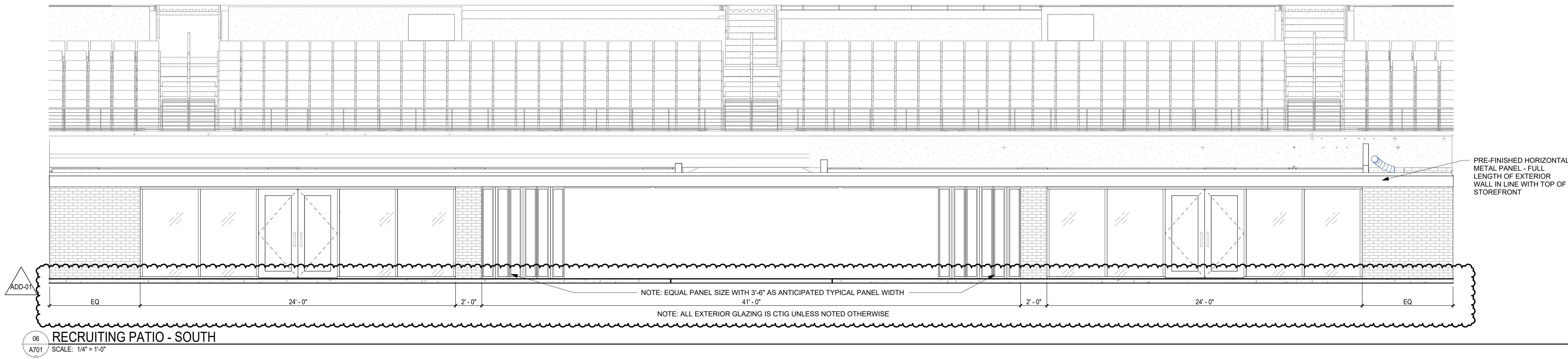
- ALL EXTERIOR HOLLOW METAL FRAMES SHALL BE FILLED WITH INSULATION.
- ALL INTERIOR HOLLOW METAL FRAMES SET IN MASONRY AND CONCRETE WALLS SHALL BE GROUTED SOLID.
- ALL HOLLOW METAL FRAMES SET IN METAL STUD WALLS SHALL BE FILLED WITH MINERAL WOOL BLANKET INSULATION.
- ALL EXTERIOR FRAMES SHALL BE INSTALLED WITH 1/4" SHIM AND SEALANT AROUND PERIMETER OF FRAME.
- MASONRY UNITS AND STEEL UNITS ARE SHOWN ON STRUCTURAL DRAWINGS.
- GLASS TYPES FOR DOORS ARE INDICATED IN THE DOOR GLAZING COLUMN OF THE DOOR AND FRAME SCHEDULE. GLASS TYPES FOR FRAMES ARE INDICATED ON THE FRAME ELEVATIONS.
- FOR COLING DOORS, GRILLES AND SECTIONAL DOORS, WIDTH AND HEIGHT DIMENSIONS SHOWN IN DOOR AND FRAME SCHEDULE REPRESENT FINISHED OPENING SIZE. CONTRACTOR TO COORDINATE EXACT SIZE OF DOOR WITH MANUFACTURER.
- FRAME MANUFACTURER SHALL COORDINATE LOCATIONS OF ALL CONCEALED CONDUIT AND J-BOXES REQUIRED FOR SECURITY SYSTEM HARDWARE PRIOR TO MANUFACTURING OF HOLLOW METAL FRAMES AND COORDINATE WITH SECURITY HARDWARE AND DEVICES.
- PROVIDE HEAD RECOILERS AT ALUMINUM STOREFRONTS AND CURTAIN WALLS AS REQUIRED FOR STRUCTURAL DEFLECTION ALLOWANCE.
- SEE SPECIFICATIONS HARDWARE SECTION FOR HARDWARE SETS NOTED IN DOOR AND FRAME SCHEDULE.

DOOR PANEL TYPE DESCRIPTIONS

- DG DUAL LITE GLASS
- F FLUSH FRAME
- FG FULL LITE GLASS
- RL FULL LOUVERED
- GL HALF LITE GLASS
- GL HALF LITE GLASS & LOUVERED
- L LOUVERED (BOTTOM)
- LL LOUVERED (TOP & BOTTOM)
- N NARROW LITE GLASS
- NL NARROW LITE GLASS & LOUVERED
- TL LOUVERED (TOP)
- V VISION LITE GLASS (10" SQUARE)
- VL VISION LITE GLASS & LOUVERED

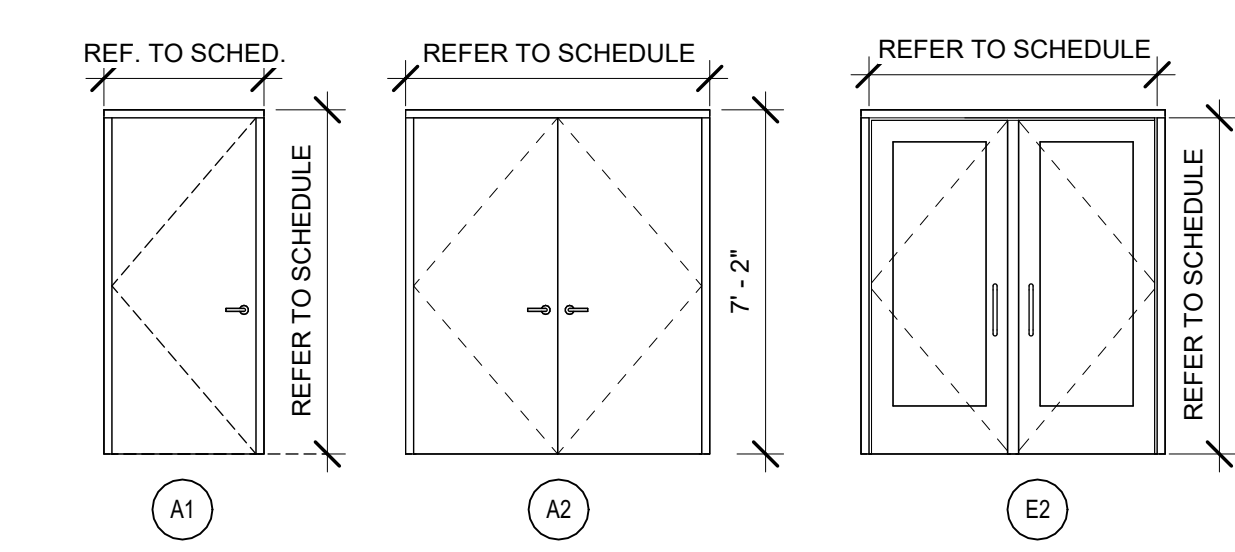
GLAZING TYPE DESCRIPTIONS

- CG CLEAR FLOAT GLASS
- CG CLEAR INSULATING GLASS
- CTG CLEAR TEMPERED FLOAT GLASS
- CTIG CLEAR TEMPERED INSULATING GLASS
- GL GLASS
- IP INSULATED INFILL PANEL GLASS
- LG LAMINATED GLASS
- PG PATTERN GLASS
- PG PATTERN INSULATING GLASS
- SG SPANDREL GLASS
- SG SPECIALTY GLASS
- TTG TINTED FLOAT GLASS
- TG TEMPERED GLASS
- TTG TINTED INSULATING GLASS
- TTIG TINTED TEMPERED FLOAT GLASS
- TTIG TINTED TEMPERED INSULATING GLASS
- WG POLISHED WIRE GLASS



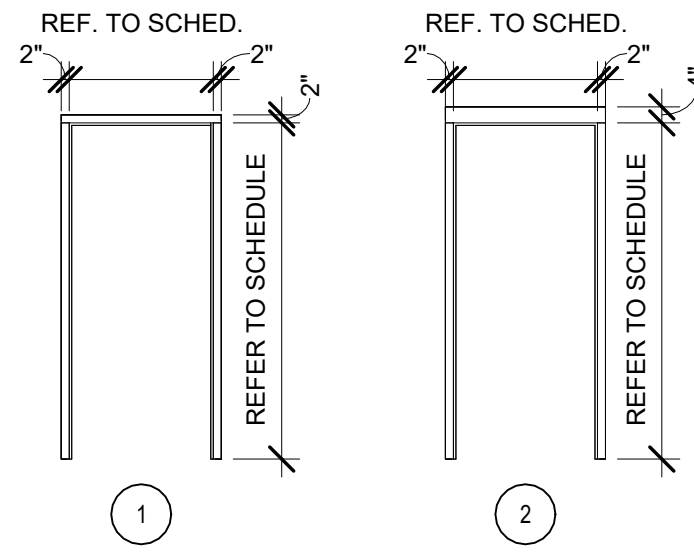
STOREFRONT ELEVATION TYPES

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



DOOR TYPES

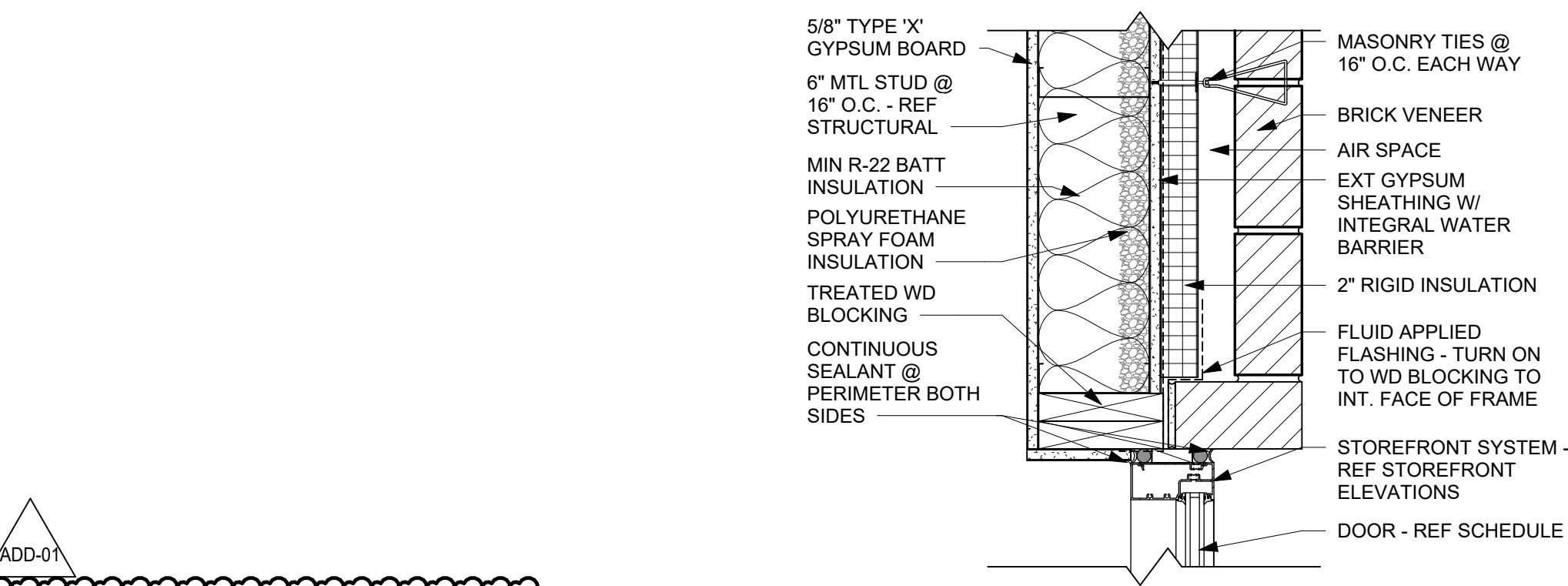
SCALE: 1/4" = 1'-0"



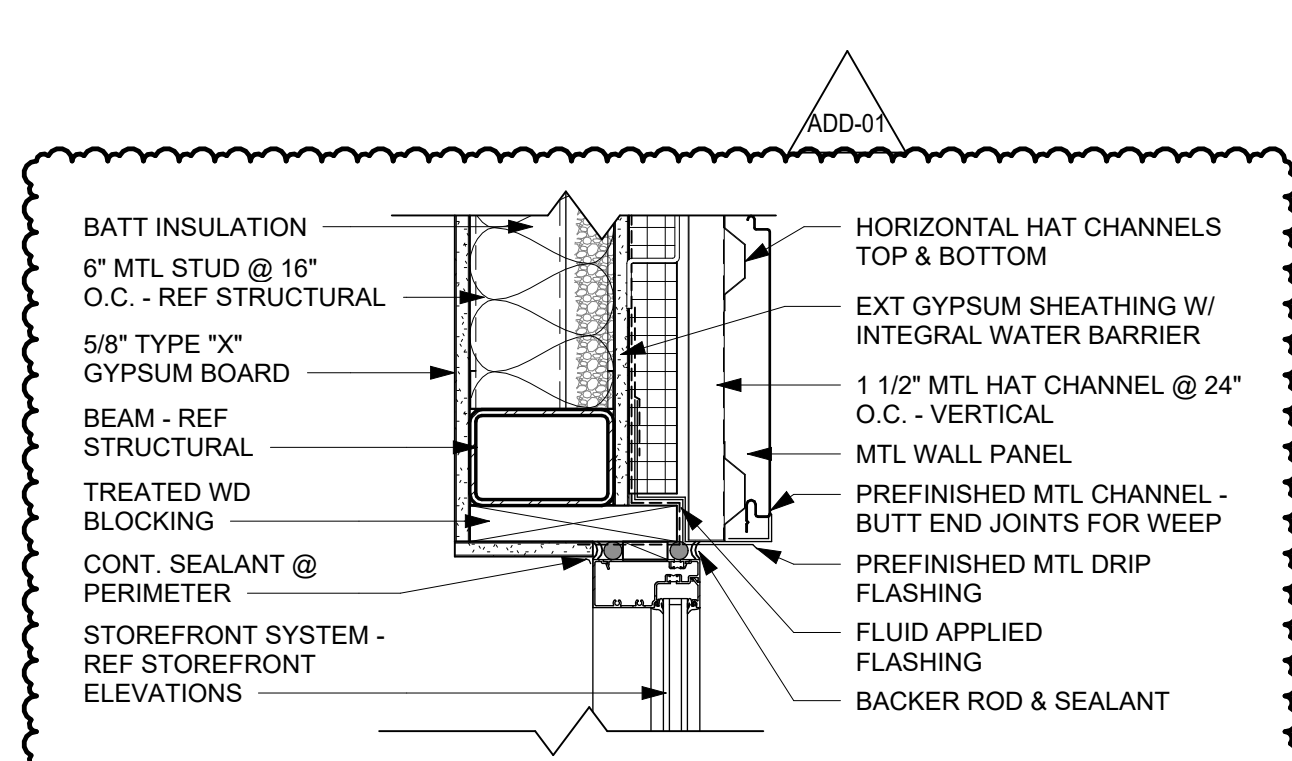
FRAME TYPES

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

DOOR AND FRAME SCHEDULE																
NUMBER	NO. OF PANELS	WIDTH	HEIGHT	PANEL				FRAME		FIRE RATING	HARDWARE SET	DETAILS				COMMENTS
				THICKNESS	MATERIAL	GLASS	TYPE	MATERIAL	TYPE			HEAD	JAMB LEFT	JAMB RIGHT	SILL	
S006A	2	6'-0"	7'-0"	1 3/4"	ALUM	CTIG	E2	ALUM	SF1	6	03	04	04			
S006B	6	3'-5 3/8"	7'-0"	2"	ALUM	CTIG	Stacking	ALUM		5	03	04	04		02A.9.1	
S006C	6	3'-5 3/8"	7'-0"	2"	ALUM	CTIG	Stacking	ALUM		5	03	04	04		02A.9.1	
S006D	2	6'-0"	7'-0"	1 3/4"	ALUM	CTIG	E2	ALUM	SF1	6	03	04	04			
S006E	2	6'-0"	7'-0"	1 3/4"	WD		A2	HM	1	3	01	01	01			

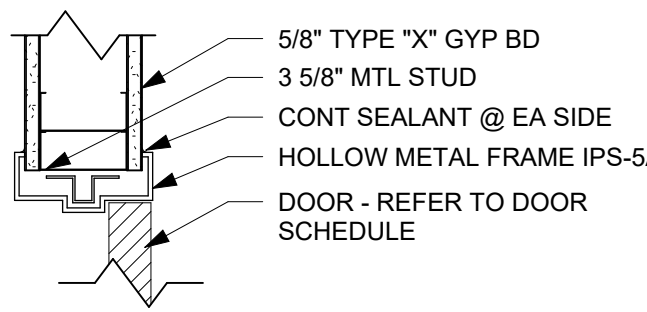


DETAIL 05/A701 NOT USED



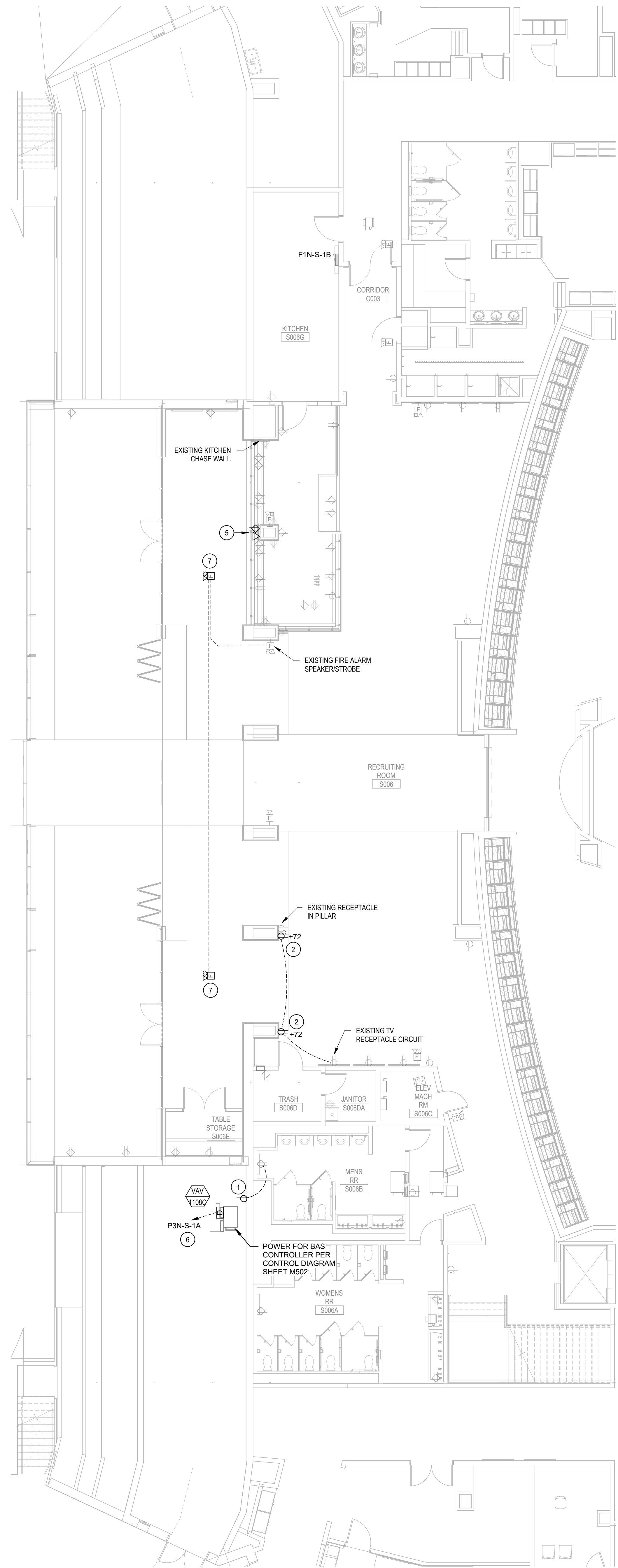
EXT STUD - TYP STOREFRONT HEAD @ MWP

DETAIL 02/A701 NOT USED

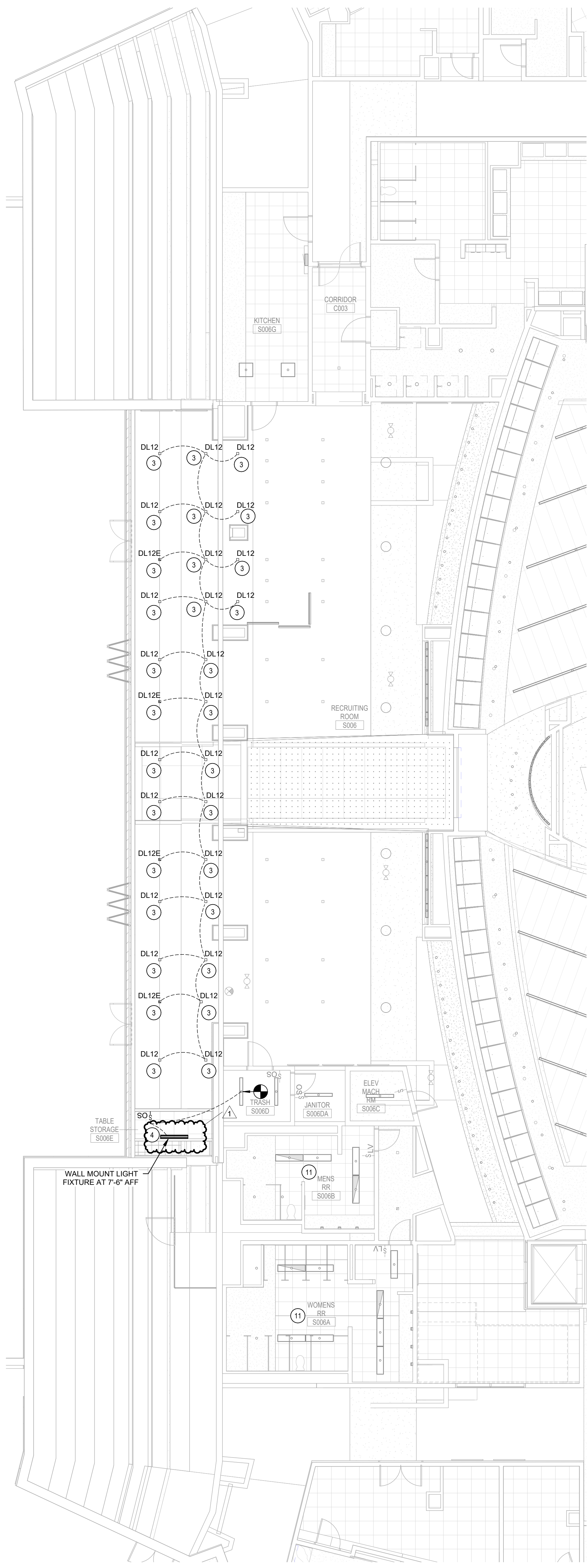


INT STUD - DOOR HEAD/JAMB DETAIL, TYP

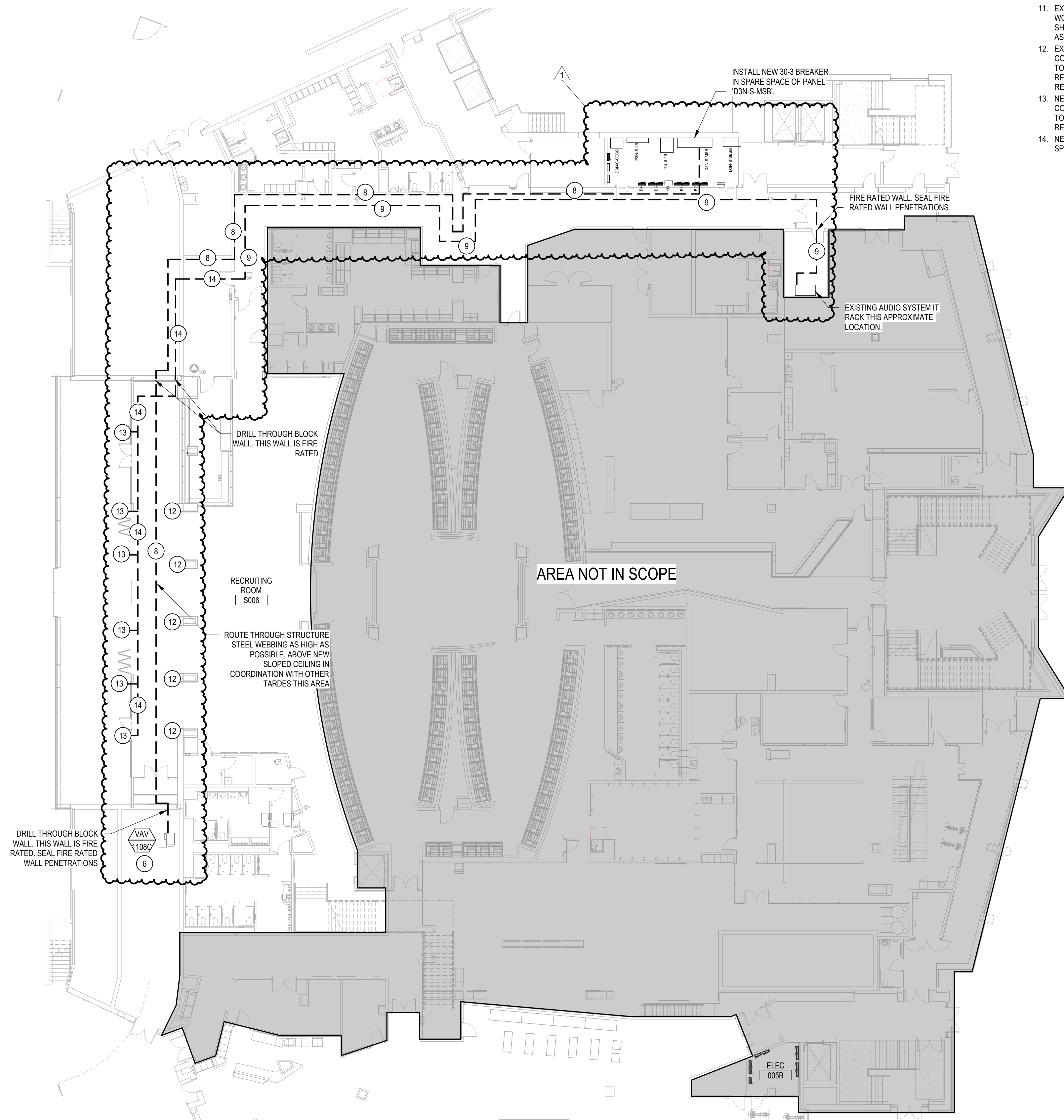
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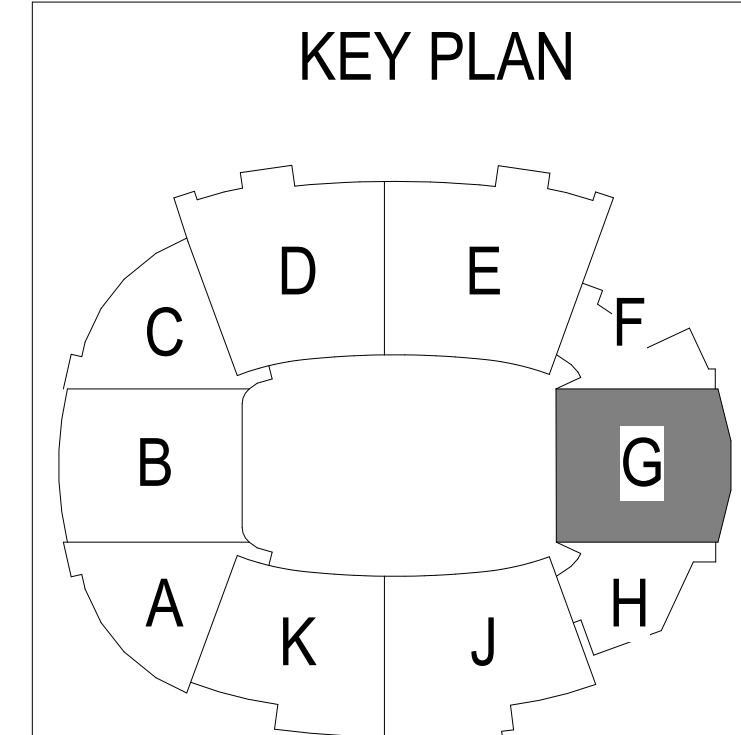
AREA G - RECRUITING ROOM - POWER PLAN



AREA G - RECRUITING ROOM - LIGHTING PLAN



AREA G - OVERALL ELECTRICAL PLAN



ELECTRICAL NEW WORK GENERAL NOTES

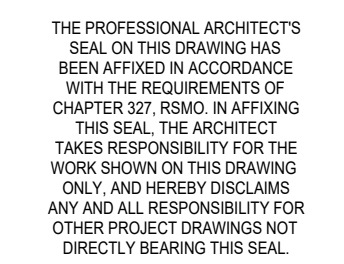
NOTES APPLY TO ALL ELECTRICAL NEW WORK SHEETS.

THE CONTRACTOR SHALL:

- REFER TO E002 FOR REMAINING LIGHTING NOTES, LEGENDS, DETAILS & SCHEDULES.
- CONDUIT ROUTINGS ARE SHOWN FOR REFERENCE ONLY AND TO ESTABLISH INTENT AND A POTENTIAL ROUTING IN COORDINATION WITH EXISTING CEILING SYSTEMS. CONTRACTOR SHALL FIELD VERIFY EXACT ROUTINGS NECESSARY.
- EXISTING CEILING SYSTEMS AND HEIGHTS REFERENCED ARE BASED ON EXISTING RECORD DOCUMENTS OF THE SOUTH END ZONE. CONTRACTOR SHALL FIELD VERIFY EXISTING HEIGHTS FOR CONDUIT ROUTINGS PRIOR TO ORDERING MATERIALS.
- NEW CONDUIT AND CONDUCTORS SHALL BE ROUTED ABOVE EXISTING AND NEW CEILINGS UNLESS NOTED OTHERWISE. FIELD VERIFY ROUTING PRIOR TO ORDERING MATERIALS.

SHEET NOTES

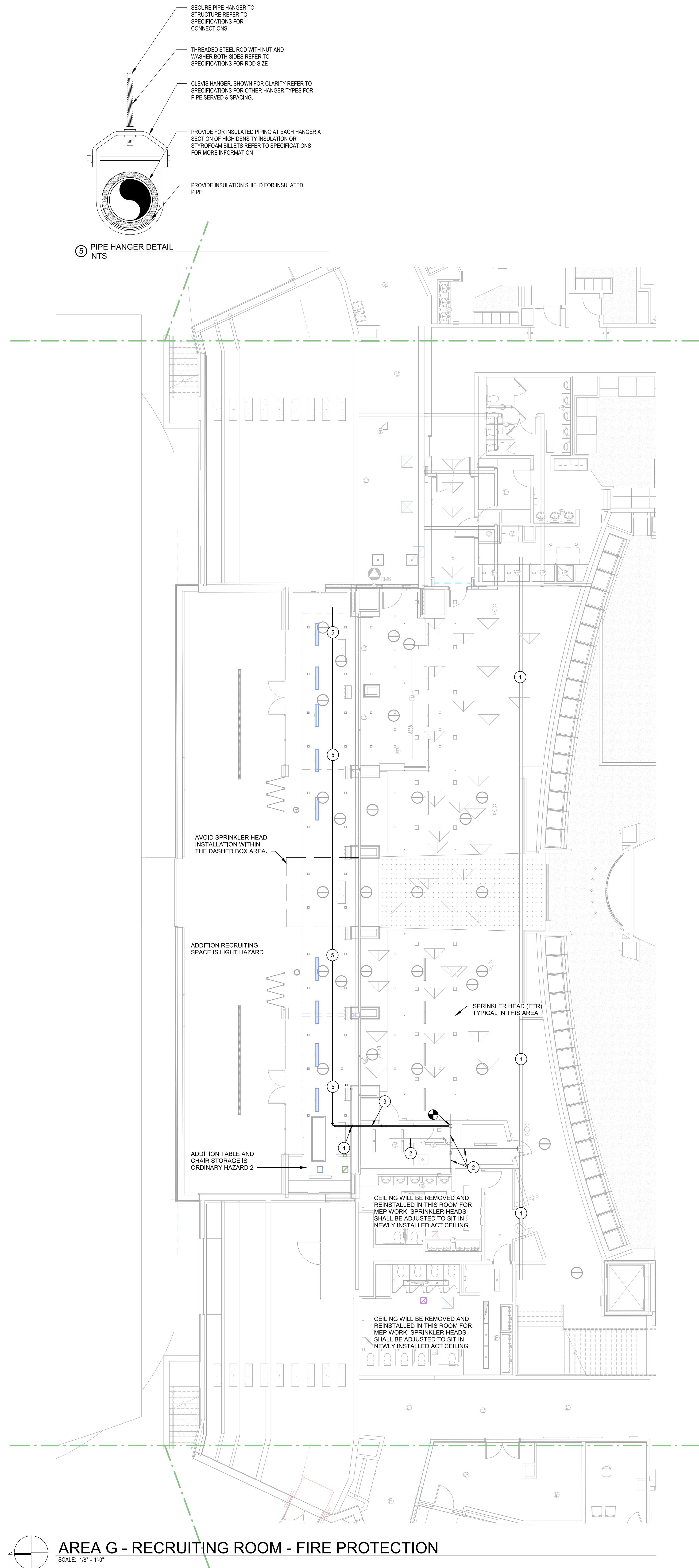
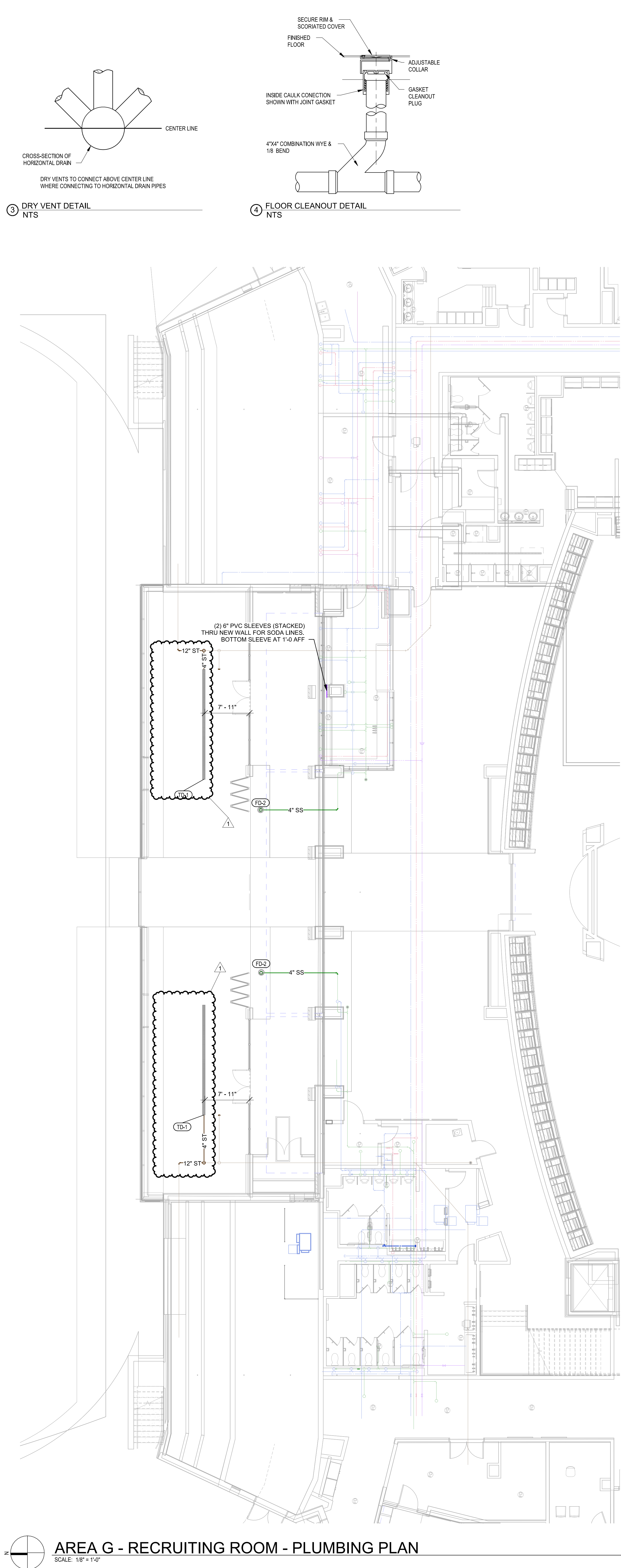
- INSTALL NEW SURFACE MOUNTED RECEPTACLE AND CONNECT TO EXISTING RECEPTACLE CIRCUIT AS REQUIRED. SURFACE MOUNT CONDUIT TO WALL.
- INSTALL NEW RECEPTACLE AT 12" AFF FOR WALL MOUNTED TELEVISION. SURFACE MOUNT BOX AND CONDUIT TO BRICK PILLAR. CONNECT TO EXISTING 120V RECEPTACLE CIRCUIT IN THE PILLAR OR SERVING TV OUTLETS IN THE ADJACENT WALL.
- INSTALL NEW RECESSED LIGHT FIXTURE. TIE INTO EXISTING LIGHT FIXTURE CIRCUIT AND CONTROLS FOR THE OPEN RECRUITING ROOM AREA.
- INSTALL NEW SURFACE MOUNTED LIGHT IN TABLE STORAGE ROOM. WIRE THRU EXISTING LIGHTING CIRCUIT SERVING ADJACENT TRASH ROOM.
- NEW GFI RECEPTACLE AND DATA OUTLET FOR TELEVISION MOUNTED TO COLUMN. COORDINATE MOUNTING HEIGHT WITH TELEVISION INSTALLER. POWER THRU NEARBY CIRCUIT SERVING BAR WALL RECEPTACLES.
- ROUTE CIRCUIT FOR NEW VAV BOX TO NEW 30-A BREAKER IN EXISTING PANEL. CON-S-MISE. SEE OVERALL PLAN FOR PANEL LOCATION AND ROUTING.
- INSTALL NEW CEILING MOUNTED FIRE ALARM SPEAKER/STROBE. EXTEND NOTIFICATION APPLIANCE STROBE AND SPEAKER CIRCUITS FROM EXISTING SPEAKER/STROBE AS REQUIRED.
- CONDUIT AND CONDUCTORS FOR NEW VAV BOX ELECTRIC HEAT. ROUTE SURFACE MOUNTED TO WALL AS HIGH AS POSSIBLE. FOLLOWING THE CHANGE IN STRUCTURE ELEVATION. CONDUIT SHALL BE PAINTED TO MATCH THE WALL SURFACE. COLOR THAT THE CONDUIT IS MOUNTED TO. ROUTING SHOWN IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY PRIOR TO ORDERING MATERIALS. COORDINATE WITH EXISTING MECHANICAL, SPRINKLER, PLUMBING, FIRE ALARMS AND ELECTRICAL SYSTEMS.
- ROUTE NEW 12 GA. SPEAKER WIRE ON EXISTING CABLE TRAY THAT FOLLOWS THE APPROXIMATE ROUTING SHOWN. ROUTING SHOWN IS APPROXIMATE AND CONTRACTOR SHALL FIELD VERIFY LOCATION OF CABLE TRAY AND ROUTING PRIOR TO ORDERING MATERIALS. CONTRACTOR SHALL FIELD VERIFY EXISTING SPEAKER WIRE CABLE TYPE AND PROVIDE NEW SAME TYPE AND GAGE WIRE.
- EXISTING CEILING THIS ROOM IS BEING REMOVED FOR HVAC WORK. LIGHT FIXTURES AND LIGHTING CONTROL DEVICES SHALL SUSPEND IN PLACE AND BE INSTALLED IN NEW CEILING AS SAME APPROXIMATE LOCATION.
- EXISTING SPEAKER LOCATION COORDINATE WITH AUDIO COMPANY REPRESENTATIVE AND MU AUDIO REPRESENTATIVE TO REPROGRAM THIS SPEAKER TO BE ON THE INTERIOR RECRUITING SPACE AUDIO ZONE. COORDINATE SPEAKER REPLACEMENT WITH AUDIO REPRESENTATIVE.
- NEW EXTERIOR SPEAKER LOCATION. COORDINATE WITH AUDIO COMPANY REPRESENTATIVE AND MU AUDIO REPRESENTATIVE TO PROGRAM THIS SPEAKER TO BE ON THE EXTERIOR RECRUITING SPACE AUDIO ZONE. SPEAKER BY OWNER AUDIO COMPANY.
- NEW 1" CONDUIT WITH NEW 12 GA. SPEAKER WIRE. (1) NEW SPEAKER WIRE PER NEW SPEAKER LOCATION.



ADO #1 10/29/2025

E502

LIGHTING FIXTURE SCHEDULE											
TYPE	MANUFACTURER	MODEL NO.	TYPE	VOLTS	WATTS	LUMENS	CGT [hrs]	CRI	LAMPS	REMARKS	
D12	TECH	E4SF-L03D04G010277	E4SF-B0	4" SQUARE DOWN LIGHT	277	0.66	17	1800	300	LED	BLACK FLANGE
D12.1E	TECH	E4SF-L03D04G010277	E4SF-B0	4" SQUARE DOWN LIGHT - EMERGENCY	277	0.69	23	2000	300	LED	PROVIDE WITH 90 LUMENS/LC DRIVER UL624 LISTED TO PROVIDE A MINIMUM OF 90 LUMENS FOR 90 MINUTES.
FL1	HE WILLIAMS	75-4L50R85-WG-7514-LED-E0RV-LVNY	4 STRIP LIGHT	277	0.17	46	5000	3500	80	LED	



PLUMBING NEW WORK GENERAL NOTES

NOTES APPLY TO ALL PLUMBING NEW WORK SHEETS.

THE CONTRACTOR SHALL:

- REFER TO P002 FOR REMAINING LIGHTING NOTES, LEGENDS, DETAILS & SCHEDULES.
- FIELD VERIFY ALL NEW WATER, WASTE, AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.
- PITCH UNDERFLOOR SANITARY WASTE PIPING 4" AND GREATER AT 1/8" PER FOOT, UNLESS NOTED OTHERWISE. PITCH ALL OTHER SANITARY WASTE PIPING AT 1/4" PER FOOT UNLESS OTHERWISE NOTED.
- FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION, OTHERWISE, REFER TO CIVIL PLANS.
- WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR SHALL BE 3" MINIMUM.
- PROVIDE CLEANOUT IN ACCESSIBLE LOCATION AT THE BASE OF ALL PLUMBING RISERS.
- ALL EXISTING PLUMBING ROUTING AND LOCATIONS SHOWN (HALF TONE) ARE AN APPROXIMATION BASED ON FIELD OBSERVATIONS AND EXISTING BUILDING PLANS. CONTRACTOR SHALL CAMERA SANITARY SEWER AND VERIFY EXISTING ROUTING, LOCATION, DEPTH, HEIGHT, AND PIPE SIZE TO THE INFO.
- ALL EXISTING WALLS ARE BLOCK AND PIPE PENETRATIONS SHALL BE CORE DRILLED UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DEMOLITION PLANS FOR WALLS TO REMAIN AND TO BE DEMOLISHED.
- UPON DEMOLITION OF EXISTING PLUMBING CHASE WALLS, CONTRACTOR SHALL FIELD LOCATE EXISTING SANITARY CLEANOUTS' END OF ABOVE GRADE SANITARY RUNS AND INFORM ARCHITECT AND ENGINEER OF PLACEMENTS FOR COORDINATION OF ACCESS PANELS.
- ALL VALVES SHALL BE ACCESSIBLE FROM THE FLOOR.

GENERAL FIRE PROTECTION NOTES

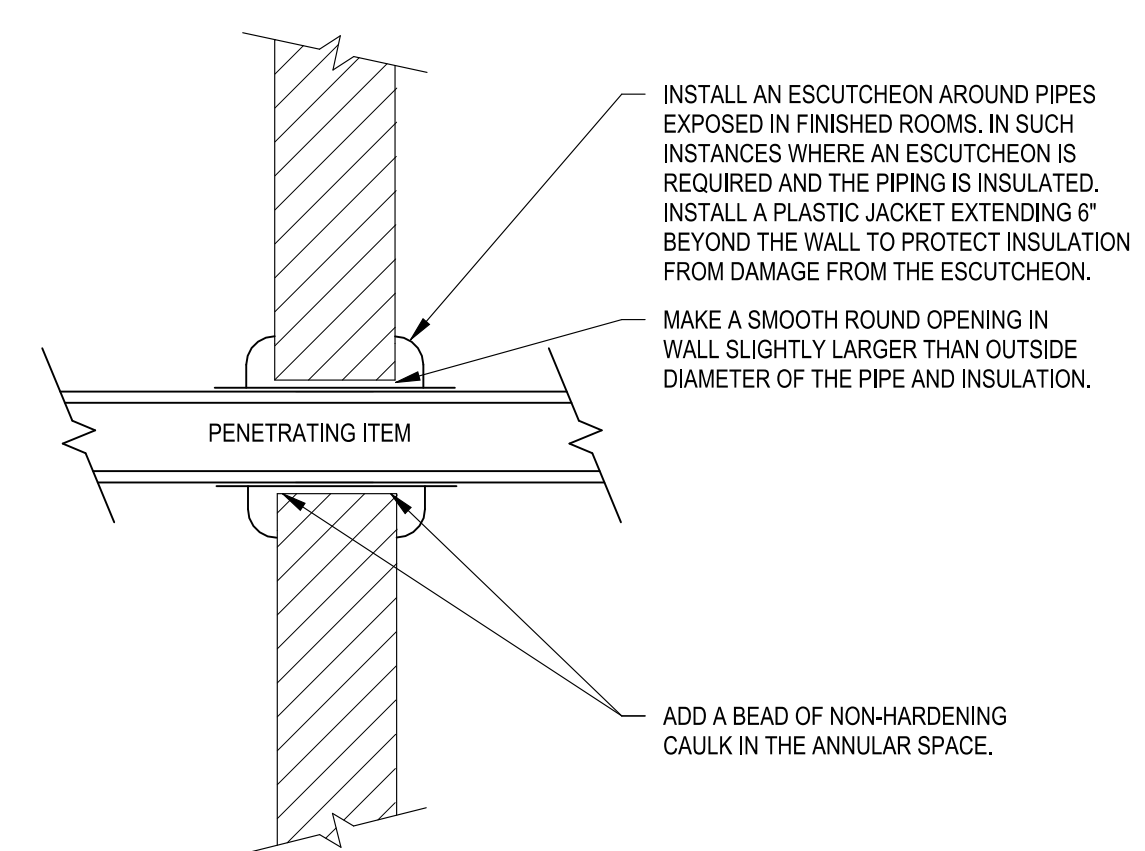
- ALL WORK & MATERIALS SHALL BE IN COMPLIANCE WITH STATE & LOCAL CODE REQUIREMENTS. SUBCONTRACTOR SHALL OBTAIN & PAY FOR ALL PERMITS & INSPECTION FEES AS NECESSARY FOR CONSTRUCTION.
- FIRE PROTECTION SYSTEMS & COMPONENTS SHALL BE IN COMPLIANCE WITH NFPA SECTIONS 13, & 24 AS WELL AS LOCAL FIRE PREVENTION REQUIREMENTS.
- FIRE SPRINKLER CONTRACTOR SHALL VERIFY WITH CURRENT NFPA THE SPRINKLER HEAD SPACING & DENSITY FOR ALL OCCUPANCY TYPES.
- SUBCONTRACTOR SHALL DO ALL NECESSARY CUTTING & PATCHING, AS WELL AS ALL NECESSARY PIPE & EQUIPMENT SUPPORTS.
- PRESSURE TEST MODIFICATIONS TO EXISTING SYSTEM & REPAIR ANY LEAKS. SUBCONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO PROPERTY & PERSONNEL CAUSED BY FAULTY INSTALLATION OR MATERIALS.
- THE SPRINKLER SUBCONTRACTOR SHALL REFER TO PLANS & MAKE ADJUSTMENTS TO NUMBER, TYPE, LOCATION OF HEADS, TO COMPLY WITH LOCAL CODES & NEW CONSTRUCTION. HE SHALL ALSO COORDINATE HIS FINAL SHOP DRAWINGS WITH THE OTHER TRADES TO AVOID CONFLICT WITH THE LIGHTS, PIPING, CONDUITS, & DUCTWORK OF OTHER RESPECTIVE SUBCONTRACTORS ON THIS PROJECT. SHOP DRAWINGS APPLICABLE HYDRAULIC CALCULATIONS THAT ARE SEALED BY A FIRE PROTECTION CONSULTANT & PROFESSIONAL ENGINEER SHALL BE SUBMITTED FOR OWNER'S APPROVAL FOR ALL SPRINKLER SYSTEM MODIFICATIONS.
- AS REQUIRED, FIRE STOPPING SHALL BE DONE BY METHODS REQUIRED BY LOCAL AUTHORITIES. FIRE STOP MATERIALS SHALL BE SILTICONE ELASTOMER OR EQUAL.
- PROVIDE FIRE STOPPING AT ALL FLOOR & WALL PENETRATIONS.
- SUBMIT CERTIFICATION UPON COMPLETION OF FIRE PROTECTION PIPING WORK WHICH INDICATES THAT WORK HAS BEEN TESTED IN ACCORDANCE WITH NFPA 13, AND ALSO THAT THE SYSTEM IS OPERATIONAL, COMPLETE, AND WITHOUT DEFECTS.
- PROVIDE REQUIRED UNDERGROUND WATER SERVICE LINE AT THE LOCATION(S) INDICATED ON THE DRAWING. CONSULT WITH THE CITY WATER DEPARTMENT AND LOCAL AUTHORITIES WITH RESPECT TO NECESSARY MATERIALS AND LABOR TO CONFORM WITH ALL LOCAL REQUIREMENTS.
- PROVIDE FIRE DEPARTMENT CONNECTION THROUGH EXTERIOR BUILDING WALL WHERE SHOWN ON THE PLANS. COORDINATE THE EXACT LOCATION, PIPE HEADS AND FITTINGS WITH THE LOCAL FIRE DEPARTMENT TO ENSURE EXACT MATCH.
- SPRINKLER HEAD TEMPERATURE RATINGS SHALL BE APPROPRIATE FOR THE AMBIENT CONDITIONS IN THE IMMEDIATE AREAS.
- INSTALL HANGERS AND SUPPORTS FOR SPRINKLER PIPING ACCORDING TO NFPA 13. COMPLY WITH REQUIREMENTS FOR HANGER MATERIALS IN NFPA 13.
- ALL SPRINKLER HEADS IN AREAS WITH CEILINGS SHALL BE THE FULL CONCEALED TYPE.
- FIRE SPRINKLER PIPE ROUTING IS SHOWN TO REPRESENT APPROXIMATE PATH AND ROUTING. FIRE SPRINKLER CONTRACTOR SHALL VERIFY EXACT ROUTING, HEIGHTS, AND SIZING AND SUBMIT VIA DEFERRED SUBMITTAL.

DEFERRED SUBMITTAL NOTES

- FIRE SPRINKLER SYSTEM SHALL BE A DEFERRED SUBMITTAL BY FIRE SPRINKLER CONTRACTOR. INFORMATION REQUIRED TO BE TURNED INTO THE AH INCLUDES THE FOLLOWING TWO SETS HYDRAULIC CALCULATIONS, AND SPRINKLER DRAWINGS, SEALED BY A LICENSED PROFESSIONAL ENGINEER OF THE STATE OF MISSOURI.

SHEET NOTES

- 6\"/>
- SPRINKLER PIPE (ETR) SHOWN FOR REFERENCE ONLY.
- ROUTE NEW SPRINKLER PIPE ABOVE LIGHTS AND ROUTE TO FOLLOW TIGHT TO THE SLOPE OF STRUCTURE IN THIS ROOM.
- CORE DRILL THRU BLOCK WALL TO ROUTE NEW SPRINKLER PIPE THRU WALL ABOVE ADDITION CEILING SPACE (MIN. 8-4\"/>
- ROUTE NEW SPRINKLER PIPING ABOVE CEILING OF NEW ADDITION SPACE (MIN. 8-4\"/>

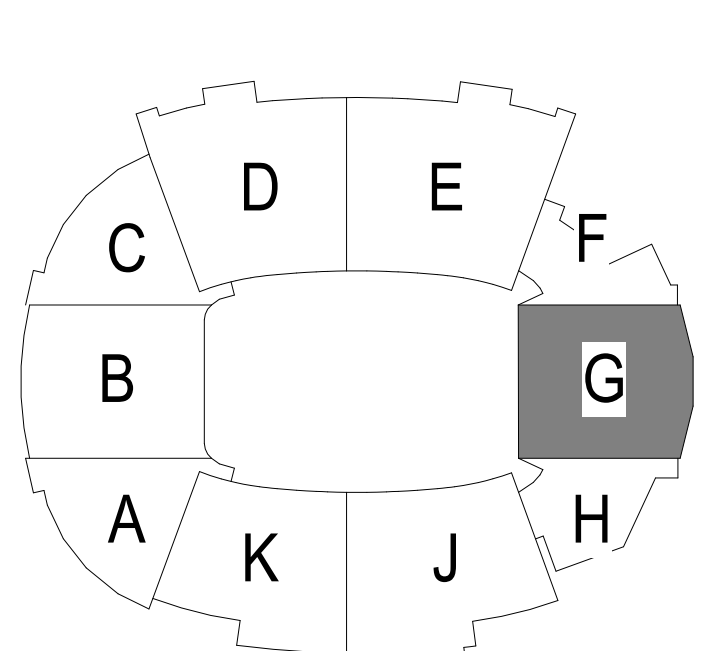


NOTES:

- THIS DETAIL APPLIES TO ALL PIPES. THE INTENTION IS TO CONTINUE THE INSULATION AND VAPOR BARRIER THROUGH ALL PENETRATIONS, PERMIT THERMAL EXPANSION WITHOUT DAMAGING INSULATION, AND TO SEAL AROUND PENETRATING PIPES FOR NOISE TRANSMISSION CONTROL.
- FLOOR OPENINGS ARE SIMILAR SEE SPEC.

WALL PENETRATION - NON-FIRE RATED NTS

KEY PLAN



MEMORIAL STADIUM FACILITIES
SEZ RECRUITING ROOM FITOUT
UNIVERSITY PROJECT NUMBER: CP241934

ISSUE FOR BID
10/02/2025

ADD #1 10/29/2025

SCA 25042

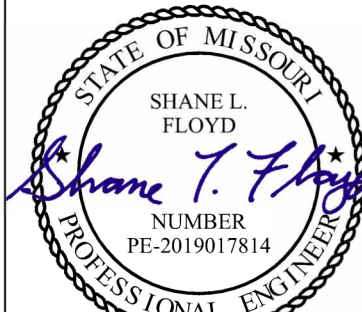
FIELD LEVEL -
RECRUITING -
PLUMBING & FIRE
PROTECTION PLAN

P102

soal
ARCHITECTURE

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Columbia, MO 65202
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Simon Oswald Associates, Inc.
MO Certificate of Authority: 00826



SHANEL FLOYD OCT. 29, 2025
PE-20191714



THE PROFESSIONAL ARCHITECT'S
SEAL ON THIS DRAWING HAS
BEEN APPLIED IN ACCORDANCE
WITH THE REQUIREMENTS OF
CHAPTER 33, REVISION 10/1/2019
OF THE MISSOURI
UNIFORM
STATUTE BOOK. THE PROJECT
STATE RESPONSIBILITY FOR THE
WORK SHOWN ON THE DRAWING
ONLY, AND HEREBY DECLARING
ANY AND ALL RESPONSIBILITY FOR
OTHER PROJECT DRAWINGS NOT
DIRECTLY BEARING THIS SEAL.

Thornton
Tomasetti
(816) 221-7771
2323 Cedar Bluff #600
COLUMBIA, MO 65211
MO Certificate of Authority: #