FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI

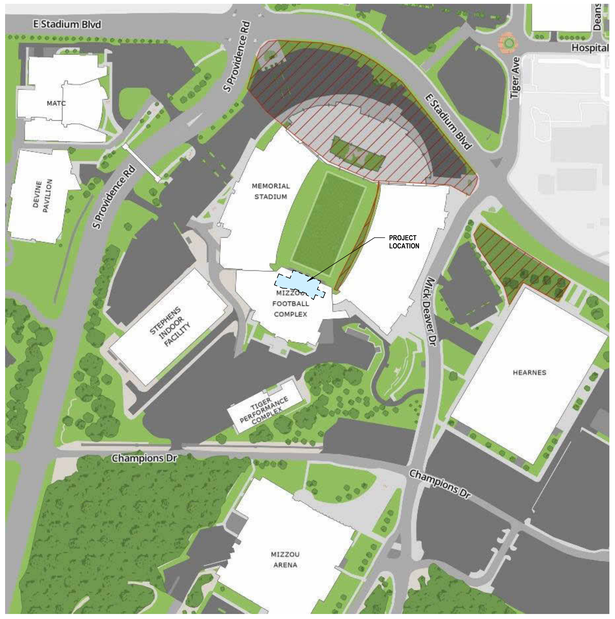
MEMORIAL STADIUM FACILITIES
SEZ RECRUITING ROOM FITOUT

CP241934

SOA PROJECT NUMBER: 25042

UNIVERSITY OF MISSOURI
600 STADIUM BLVD.
COLUMBIA, MO 65211

ISSUE FOR BID
OCTOBER 2, 2025



1 G0.1 PROJECT LOCATION PLAN
NO SCALE

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SIGNATURE: Robert Seece

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COVER SHEET
(CP241934)

G0.1

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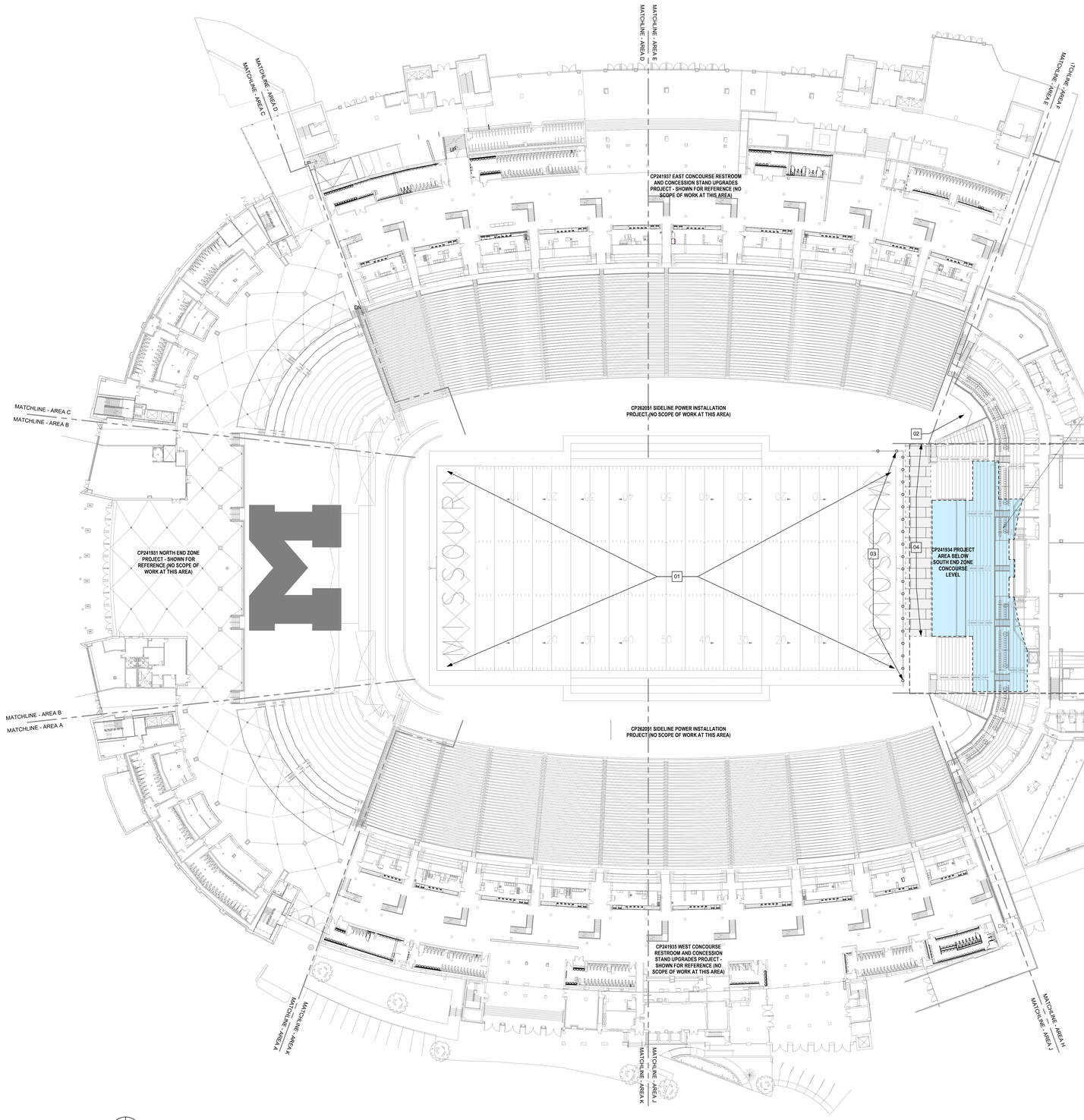
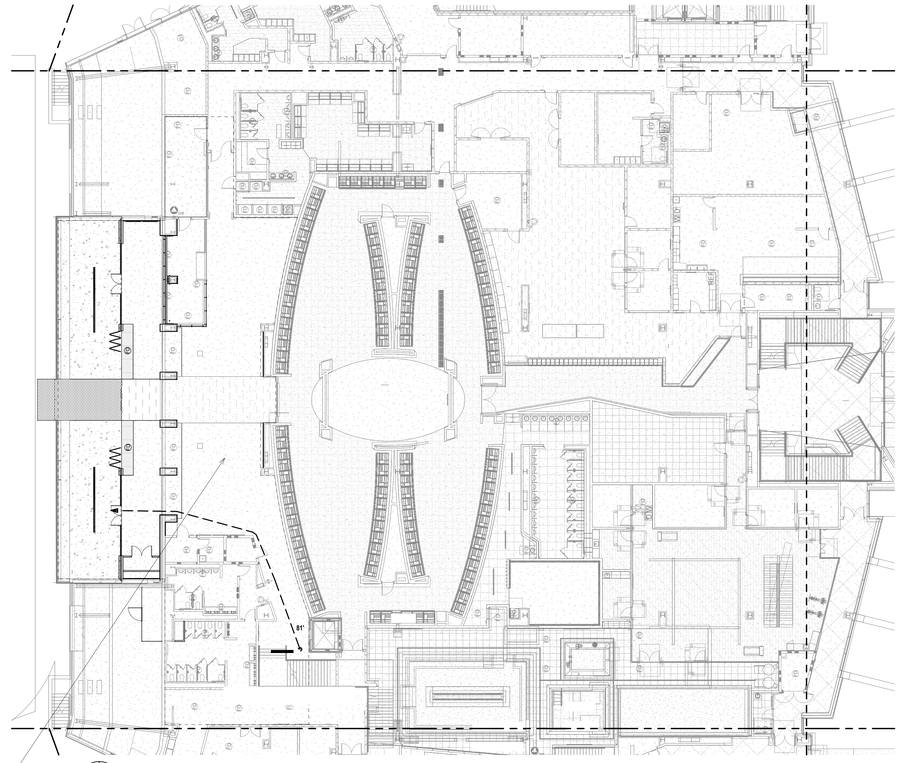


OVERALL - RECRUITING - USE OF PREMISES
SCALE: 1/32" = 1'-0"



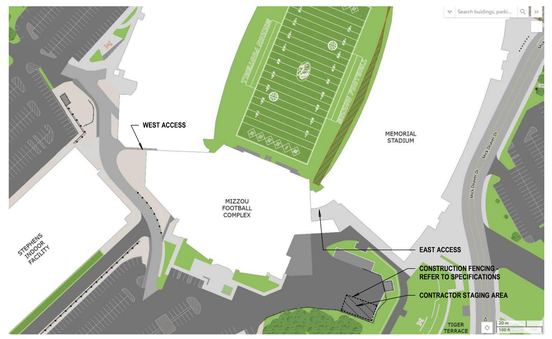
OVERALL - RECRUITING ROOM
SCALE: 1/16" = 1'-0"

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

GENERAL ARCHITECTURAL NOTES

1. ALL INTERIOR CMU WALLS SHALL BE 8 INCHES NOMINAL THICKNESS, UNLESS NOTED OTHERWISE.
2. PARTITION TYPES SHALL BE DESIGNATED ON FLOOR PLANS XX. X.XX; THUS: SEE SHEET XX.X FOR TYPES. ALL INTERIOR PARTITIONS ARE TYPE XX.X.XX UNLESS NOTED OTHERWISE.
3. ALL MASONRY WALLS AND INTERIOR STUD WALLS SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE, PER PARTITION TYPE.
4. 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 DETAILS ON SHEET XX.X.
5. SEE STRUCTURAL DRAWINGS FOR BRACING OF NON-LOAD BEARING MASONRY WALLS.
6. 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.
7. GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS WHERE SHOWN ON DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
8. MASONRY CONTROL JOINTS (CJ) AND CONTROL JOINTS ABOVE (CJA) 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.
9. "MBD" AND "TBD" INDICATE MARKER BOARDS AND TACK BOARDS ON PLANS. THE LENGTH PRECEDES THE DESIGNATION (EXAMPLE 16' MBD). ALL BOARDS ARE 4'-0" TALL. SEE WALL ELEVATIONS OR SPECIFICATIONS FOR MOUNTING HEIGHT.
10. EXTEND FURRING CHANNELS AND GYPSUM BOARD UP 4 INCHES ABOVE FINISHED CEILING ON CMU WALLS.
11. SCRIBE GYPSUM WALL BOARD OF WALLS AND PARTITIONS TO IRREGULARITIES OF DECK ABOVE. SEAL TIGHTLY AROUND ALL PENETRATIONS.
12. PROVIDE SEISMIC BRACING FOR SUSPENDED CEILINGS OR AS SHOWN ON THE DRAWINGS.



4 CONSTRUCTION ACCESS
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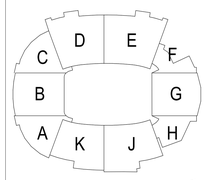

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USE OF PREMISES PLAN

G0.2

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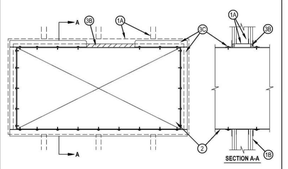
System No. W-L-7155 — WL 7155

ANSI/UL 1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Ratings — 0 Hr	FT Ratings — 0 Hr
L Rating at Ambient — Less Than 1 CFM/sq ft	FH Ratings — 1 and 2 Hr (See Item 1)
L Rating at 400 F — Less Than 1 CFM/sq ft	FTH Ratings — 0 Hr
	L Rating at Ambient — Less Than 1 CFM/sq ft
	L Rating at 400 F — Less Than 1 CFM/sq ft



1. Wall Assembly — The 1 or 2 Hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs — Wall framing shall consist of min 3-1/2 in. (89 mm) wide steel channel studs spaced max 24 in. (610 mm) OC. Additional steel studs shall be used to completely frame the opening.
   B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (1.22 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the Individual Wall and Partition Design in the UL Fire Resistance Directory.
   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
   The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Steel Duct — Max 100 in. by 100 in. (2.5 by 2.5 m) galv steel duct to be installed either concentrically or eccentrically within the firestop system. The duct shall be constructed and reinforced in accordance with SMACNA construction standards. The space between the steel duct and periphery of opening shall be min 0 in. (point contact) to max 2 in. (51 mm). Steel duct to be rigidly supported on both sides of the wall assembly.

System No. W-L-7155 — WL 7155

2A1. Through-Penetrating Product* — As an alternate to Item 2, Fiber cement with galvanized steel facing, 3/8 in (10 mm) thick composite metallic duct, with a max cross-sectional area of 432 sq ft. (4 m2) and a max individual dimension of 78 3/4 in. (2 m). Duct to be installed either concentrically or eccentrically within the firestop system such that the annular space is min 0 in. (point contact) to max 2 in. (51 mm). Duct to be rigidly supported on both sides of wall assembly and installed in accordance. Refer to Ventilation Duct Assemblies in Vol. 2 of the Fire Resistance Directory.
DURASYSTEMS BARRIERS INC — Type DuraDuct HP.

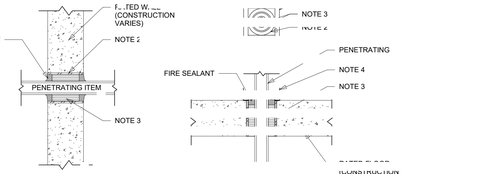
2A2. Through-Penetrating Product* — As an alternate to Item 2, Fiber cement with galvanized steel facing, 14 in. (6 mm) thick, with a max cross-sectional area of 1794 sq in. (1.14 m2), and a max individual dimension of 42 in. (1067 mm). Duct to be installed either concentrically or eccentrically within the firestop system such that the annular space is min 0 in. (point contact) to max 2 in. (51 mm). Duct to be rigidly supported on both sides of wall assembly and installed in accordance. Refer to Ventilation Duct Assemblies in Vol. 2 of the Fire Resistance Directory.
DURASYSTEMS BARRIERS INC — Type DuraDuct SD.

2A3. Through-Penetrating Product* — As an alternate to Item 2, Galvanized steel faced duct panel, with a max cross-sectional area of 2450 sq in. (1.58 m2), and a max individual dimension of 49-1/2 in. (1258 mm) Duct to be installed either concentrically or eccentrically within the firestop system such that the annular space is min 0 in. (point contact) to max 2 in. (51 mm). Duct to be rigidly supported on both sides wall assembly. Refer to Ventilation Duct Assemblies in Vol. 2 of the Fire Resistance Directory.
DURASYSTEMS BARRIERS INC — Type DuraDuct GNX.

3 Firestop System — The firestop system shall consist of the following:
   A. Packing Material — Optional min 4 pcf (64 kg/m3) mineral wool batt insulation or fiberglass batt insulation friction fitted into the annulus. Packing material is to be recessed from both surfaces of wall to accommodate the required thickness of fill material.
   A1. Packing Material — Required as specified in Table below. Min 3-3/4 in. (95 mm) or 5 in. (127 mm) thickness of min 4 pcf (64 kg/m3) mineral wool batt insulation firmly packed into opening as a permanent form for 1 and 2 Hr rated assemblies, respectively. Packing material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.
   B. Fill, Void or Cavity Material* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. Min 1/4 in. (6 mm) diam bead of fill material shall be applied at the point contact location between the steel duct and the gypsum board.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI, INC — CP 5.5SL SG Sealant, FS-ONE Sealant, FS-ONE MAX Intumescent Sealant or CP 606 Flexible Penetrating Caulk.
   C. Steel Retaining Angles — Min No. 16 gauge galv steel angles sized to lap steel duct a min of 2 in. (51 mm) and to lap wall surfaces a min of 1 in. (25 mm). When max duct dimension does not exceed 48 in. (122 cm) and duct area does not exceed 1300 in2 (8387 cm2), angles may be min No. 18 gauge galv steel. Angles attached to steel duct on both sides of wall with min No. 10 by 1/2 in. (13 mm) long steel sheet metal screws located a max of 1 in. (25 mm) from each end of steel duct and spaced a max of 6 in. (152 mm) OC. Steel angles are optional for those sides of duct that do not exceed the dimension specified in Table below, dependent on packing material, sealant and annular space as specified.

Max Duct Dimension	Duct Thickness	Annular Space	Packing Material	Angle (Item 3C) Required
24 in. (610 mm)	24 ga or heavier	1/2 in. min to 1 in. max (13 to 25 mm)	Item 3A1	No

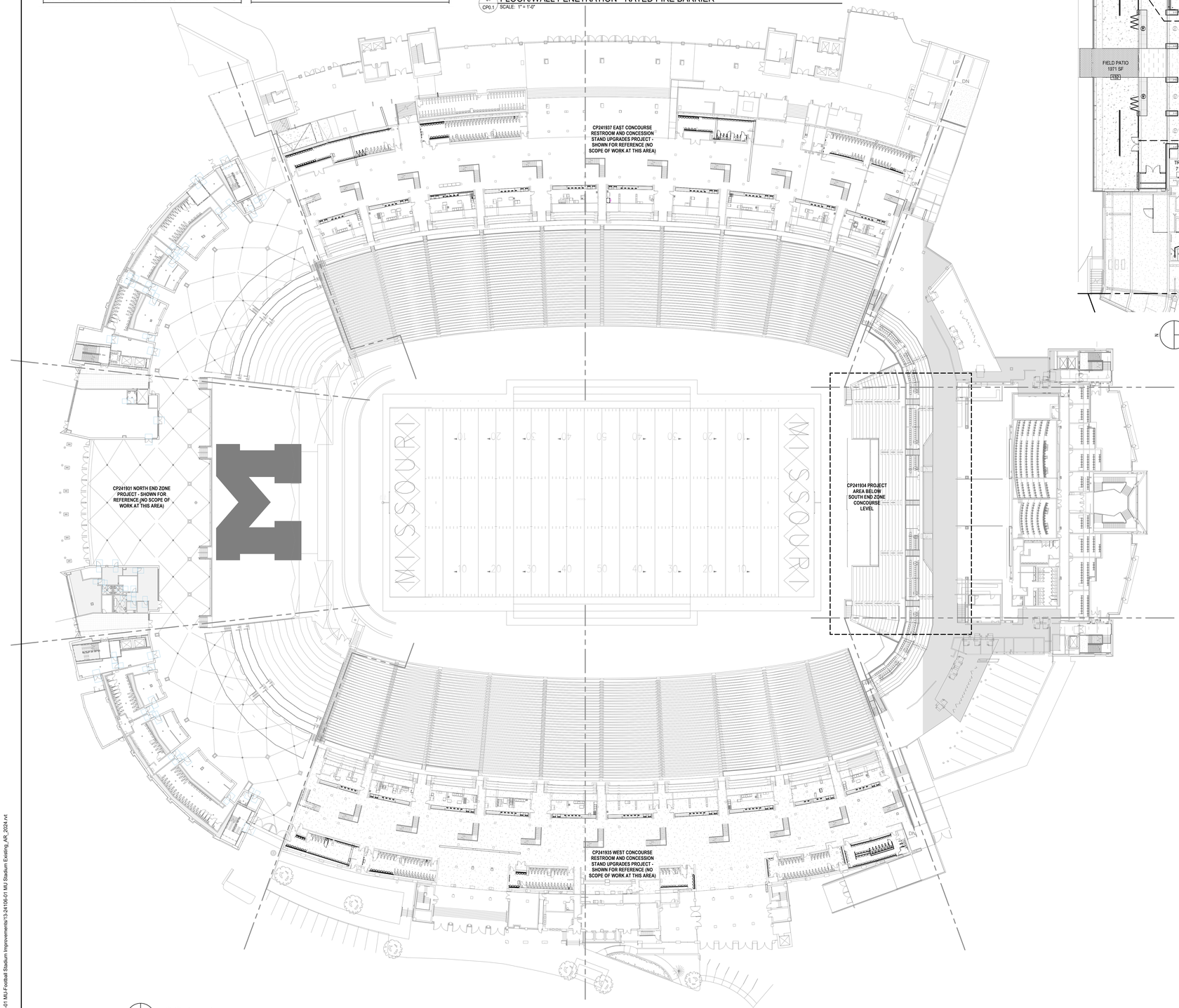
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



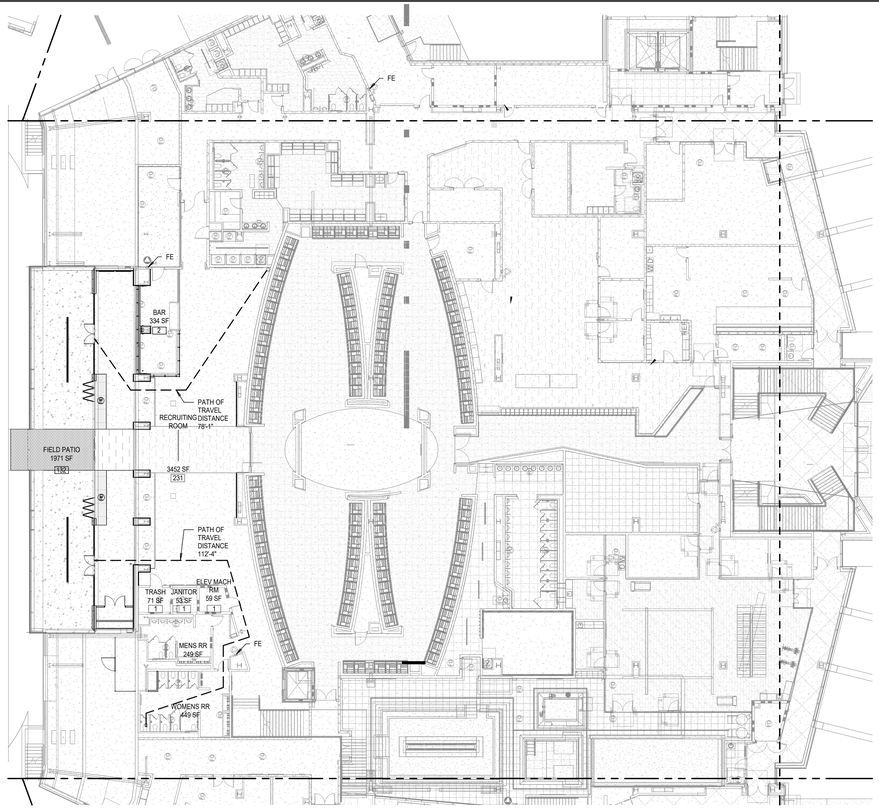
NOTES:

1. THIS GENERAL DETAIL MAY BE USED IN WALL ASSEMBLIES REQUIRED TO BE RATED FOR FIRE RESISTANCE. FIRE RATING AND THE MANUFACTURER'S INSTRUCTIONS SHALL BE USED TO DETERMINE THE ACTUAL FIRE RATING OF THE WALL ASSEMBLY. (SEE SPECIFICATION SECTION 07 84 00 - FIRESTOPPING, SECTION 07 84 13 - PENETRATION FIRESTOPPING, SECTION 22 05 03 - PLUMBING, SECTION 23 05 03 - HVAC) FOR SELECTION OF THROUGH PENETRATION FIRE STOPPING.
2. SCHEDULE 5 PIPE SLEEVE EMBEDDED IN WALL OR FLOOR, OR SMOOTH CORE DRILL. EACH CONTRACTOR FURNISHES SLEEVE TO G.C., COORDINATES SLEEVE LOCATIONS AND DEBURS SLEEVE. G.C. BUILDS SLEEVE INTO WALL OR FLOOR ALLOWING NO GAP AROUND SLEEVE. IF SLEEVE IS NOT PROVIDED WHEN WALL OR FLOOR IS BUILT, CONTRACTOR SHALL INSTALL SLEEVE. SLEEVE SIZE SHALL ALLOW ANNULAR SPACE REQUIRED BY THE SELECTED FIRE STOP SYSTEM.
3. INSTALL BACKING MATERIAL, SUCH AS MINERAL WOOL SAFING, AS REQUIRED FOR FIRE STOP SYSTEM. INSTALL IN ACCORDANCE WITH FIRE STOP SYSTEM APPLICATION LISTING. SECURE TO WALL OR FLOOR TO ALLOW LONGITUDINAL MOVEMENT OF PENETRATING ITEM WITHOUT MOVEMENT OF FIRE BARRIER.
4. WATERTIGHT WELDED 1"x1" 20 GAUGE MINIMUM GALVANIZED SHEET METAL ANGLE FRAME. BY CONTRACTOR IN EQUIPMENT ROOMS FOR WATER STOP. PLACE A BEAD OF WATERPROOF SEALANT BETWEEN FLOOR AND BOTTOM OF ANGLE FRAME. SECURE TO FLOOR WITH MASONRY ANCHORS IN CORNERS AND ON 12" MAXIMUM CENTERS. MULTIPLE PENETRATING ITEMS MAY BE ENCLOSED IN ONE FRAME

01 CP0.1 — FLOOR/WALL PENETRATION - RATED FIRE BARRIER
SCALE: 1" = 1'-0"



N — CODE PLAN
SCALE: 1/32" = 1'-0"



N — CODE PLAN - RECRUITING ROOM
SCALE: 1/16" = 1'-0"

1 AUTHORITY HAVING JURISDICTION (AHJ)

University of Missouri

2 APPLICABLE CODES

- 2024 INTERNATIONAL BUILDING CODE
- 2024 INTERNATIONAL EXISTING BUILDING CODE (LEVEL 2 ALTERATIONS ONLY WITH PREAPPROVAL FROM THE AHJ)
- 2024 INTERNATIONAL PLUMBING CODE
- 2024 INTERNATIONAL MECHANICAL CODE
- 2024 INTERNATIONAL FIRE CODE
- 2024 INTERNATIONAL FUEL GAS CODE
- 2017 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
- 2023 NATIONAL ELECTRICAL CODE / NFPA 70
- 2022 NFPA 110, STANDARD FOR EMERGENCY AND STANDBY POWER SYSTEMS
- 2024 NFPA 90A, INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS
- 2024 NFPA 75, STANDARD FOR THE FIRE PROTECTION OF INFORMATION TECHNOLOGY EQUIPMENT
- 2022 NFPA 72, NATIONAL FIRE ALARM CODE
- 2024 NFPA 45, STANDARD ON FIRE PROTECTION FOR LABORATORIES USING CHEMICALS
- 2024 NFPA 14, STANDARD FOR INSTALLATION OF STANDPIPE, PRIVATE HYDRANTS AND HOSE SYSTEMS
- 2022 NFPA 13, INSTALLATION OF FIRE SPRINKLER SYSTEMS
- 2022 ASHRAE 90.1, ENERGY STANDARD FOR BUILDINGS
- 2016 ASME A17.1, SAFETY CODE FOR ELEVATORS AND ESCALATORS
- 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

BUILDING CONSTRUCTION TYPE: I-B
OCCUPANCY CLASSIFICATIONS:
- A-5 (Stadium, Suites, Clubs, Locker Rooms, Conditioning, and Strength Training)
- A-3 (Interior portions of Clubs when hosting functions during non-game times)
- B (Administrative Offices)

LOCAL FIRE DEPARTMENT: City of Columbia Fire Department
LOCAL AGENCIES HAVING JURISDICTION: UM Director of Facilities Planning and Development, University of Missouri
SPECIAL INSPECTIONS (IBC 1705.17): * Refer to Structural Sheet S002 Inspection Schedules for specifics
- REINFORCEMENT INSPECTION *
- ANCHORS *
- CONCRETE TESTING *
- FIRESTOPPING

DEFERRED SUBMITTALS (IBC 107.3.4.1):
- 211313 - WET-PIPE SPRINKLER SYSTEMS
- 284621.11 - ADDRESSABLE-FIRE-ALARM SYSTEMS

Code sections cited in this report reference the 2024 IBC unless stated otherwise.

Disclaimer. This document summarizes key building code issues relevant to the project and is not intended to replicate all code details. Additional codes and standards may apply, as referenced in other applicable codes and as enforced by governmental authorities (county, state, federal) or other entities (insurance, owner, operator).

GENERAL CODE PLAN NOTES & SYMBOLS

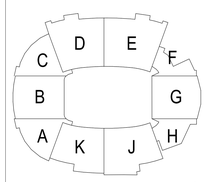
F.E. — FIRE EXTINGUISHER

PATH OF TRAVEL

123 / 160 — - COMBINED OCCUPANT LOAD AT A GIVEN DOOR OR STAIR / - TOTAL EXIT CAPACITY OF DOOR OR STAIR
(THE CAPACITY OF DOORS ARE DETERMINED AS FOLLOWS: CLEAR OPENING WIDTH IN INCHES DIVIDED BY 0.2
THE CAPACITY OF STAIRS ARE DETERMINED AS FOLLOWS: WIDTH IN INCHES DIVIDED BY 0.3)

A — 01 VIEW NAME — A201 A501 — 1/8" = 1'-0"
- DRAWING SHEET
- REFERENCING SHEET
- TRUE NORTH ARROW

KEY PLAN



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THE PROFESSIONAL ARCHITECT'S SEAL ON THIS DRAWING HAS BEEN AFFIXED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 327, RSMO. IN AFFIXING THIS SEAL, THE ARCHITECT TAKES RESPONSIBILITY FOR THE WORK SHOWN ON THIS DRAWING ONLY, AND HEREBY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR ANY ALTERATIONS MADE TO THIS DRAWING DIRECTLY BEARING THIS SEAL.

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(816) 221-7771
2320 Grand Blvd #800
Kansas City, MO 64108
MO Certificate of Authority: #

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

601 STADIUM BLVD.
COLUMBIA, MO 65211

ISSUE FOR BID
10/02/2025

SOA 25042

CODE PLAN

CP0.1

Autodesk Docs://13-24106-01 MU-Football Stadium Improvements/13-24106-01 MU Stadium Existing_AR_2024.rvt
9/24/2025 5:16:12 PM

1/32"=1'-0" 0" 16'-0" 32'-0" 64'-0" 96'-0"
1/16"=1'-0" 0" 8'-0" 16'-0" 32'-0" 48'-0"

Autodesk Docs://13-24106-01 MU-Football Stadium Improvements/T24014.00_MU Stadium South_STR_R24.rvt
9/24/2025 5:46:35 PM

PU PURPOSE OF ISSUANCE

PU-1 THESE DRAWINGS IDENTIFIED AS 100% 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, DETAIL TITLE OR NOTE.

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 PADS
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, 2021 EDITION

STRUCTURAL LOADINGS:
"MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES"
ASCE/SEI 7-16

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 360-16) CONFORMING TO THE PROVISIONS OF LOAD RESISTANCE FACTOR DESIGN, BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC-LRFD)

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 (Pf):	25 PSF
GROUND SNOW LOAD (Pg)	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 TRADES AND PROVIDE 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
051200 STRUCTURAL STEEL
316100 FOOTINGS

SU-2 SUBMIT 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 STATEWHERE 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, MAGNITUDE AND DIRECTION OF UNFACTORED IMPOSED 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 COMPRESSIVE STRENGTHS (f'c), UON:

CONCRETE ELEMENT	f'c / AGE	EXPOSURE CATEGORY
FOOTINGS	**4,500** PSI / **28**-DAY	**F2-S0-W0-C1**
NON-SHRINK GROUT	**8,000** PSI / **28**-DAY	N/A
INTERIOR SLAB ON GRADE	**4,000** PSI / **28**-DAY	**F0-S0-W0-C0**

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 NORMALWEIGHT 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+/-3 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 CONISDERED 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 AND REGULARLY MAINTAINED 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 SPLICED AT LOCATIONS DETERMINED BY CONTRACTOR USING TENSION LAP SPLICES (LTS). 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 A6 ROLLED W SHAPES AND CHANNELS:	ASTM A572 OR A992, MINIMUM YIELD STRENGTH 50 KSI
MISCELLANEOUS ANGLES:	ASTM A572 OR A529, MINIMUM YIELD STRENGTH 50 KSI UON
HOLLOW STRUCTURAL SECTIONS:	ASTM A500 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 F3125 GRADES A325 AND F1852
NUTS:	ASTM A563
WASHERS:	ASTM F436
ANCHOR RODS:	ASTM F1554 GRADE 55 WITH WELDABILITY SUPPLEMENT S1
WELD ELECTRODES:	MINIMUM TENSILE STRENGTH 70 KSI AT 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", AISC-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, ANSI/AWS D1.1, LATEST EDITION. ALL WELD SIZES SHALL BE THE LARGER OF THE SIZE REQUIRED BY CONNECTION FORCES, THE MINIMUM SIZE PER ANSI/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 UNOBSERVABLE 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 OF RECORD, AND MECHANICAL/ELECTRICAL/PLUMBING ENGINEER OF RECORD. SPECIAL INSPECTION REPORTING SHALL BE IN ACCORDANCE WITH SECTION 1704.2.4 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 DESIGNS 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:

HILTI KH-EZ

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 MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS (MPII).

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 COMPANY(S) 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 QUALIFED (LICENSED) PERSON WHO SHALL PROVDE 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 ENGINEER'S 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 INSPECTOR(S) 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 FABRICATOR'S OR ERECTOR'S 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 014500 - STUCTURAL TESTING AND INSPECTIONS FOR FURTHER DETAIL REGARDING STRUCTURAL TESTING AND SPECIAL INSPECTIONS.

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MEMORIAL STADIUM IMPROVEMENTS
FACILITIESG ROOM FITOUT
UNIVERSITY PROJECT NUMBER: CP241934
600 STADIUM BLVD
COLUMBIA, MO 65211

ISSUE FOR
95%
CONSTRUCTION
DOCUMENTS
10/02/2025

STATE OF MISSOURI
ROBERT A. TREECE
NUMBER E-24465
REGISTERED PROFESSIONAL ENGINEER
10/02/2025

SOA 25042

GENERAL NOTES

S001

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	CODE STANDARD(S)	TT & PMA SPECIFICATION
1. INSPECTION OF REINFORCING STEEL AND PLACEMENT	-	X	ACI 318: CH 20, 25.2, 25.3, 26.6.1-26.6.3	032000, 034110
2. VERIFYING USE OF REQUIRED DESIGN MIX	-	X	ACI 318: CH 19, 26.4.3, 26.4.4	033000
3. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X	-	ASTM C 172 ASTM C31 ACI 318: 26.5, 26.12	033000
4. INSPECTION OF CONCRETE AND PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X	-	ACI 318: 26.5	033000
5. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	-	X	ACI 318: 26.5.3-26.5.5	033000
6. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	-	X	ACI 318: 26.11.1.2(b)	031000

REFERENCE IBC 2021 TABLE 1705.3

a. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318 OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK

INSPECTION TASKS DURING WELDING

INSPECTION TASKS DURING TO WELDING	QUALITY CONTROL	QUALITY ASSURANCE	CODE STANDARD(S)	TT SPECIFICATION
CONTROL AND HANDLING OF WELDING CONSUMABLES: PACKAGING	O	O	-	051200
CONTROL AND HANDLING OF WELDING CONSUMABLES: EXPOSURE CONTROL	O	O	-	051200
NO WELDING OVER CRACKED TACK WELDS	O	O	-	-
ENVIRONMENTAL CONDITIONS: WIND SPEED WITHIN LIMITS	O	O	-	051200
ENVIRONMENTAL CONDITIONS: PRECIPITATION AND TEMPERATURE	O	O	-	051200
WPS FOLLOWED: SETTINGS ON WELDING EQUIPMENT	O	O	-	051200
WPS FOLLOWED: TRAVEL SPEED	O	O	-	051200
WPS FOLLOWED: SELECTED WELDING MATERIALS	O	O	-	051200
WPS FOLLOWED: SHIELDING GAS TYPE/FLOW RATE	O	O	-	051200
WPS FOLLOWED: PREHEAT APPLIED	O	O	-	051200
WPS FOLLOWED: INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.)	O	O	-	051200
WPS FOLLOWED: PROPER POSITION (F, V, H, OH)	O	O	-	051200
WELDING TECHNIQUES: INTERPASS AND FINAL CLEANING	O	O	-	051200
WELDING TECHNIQUES: EACH PASS WITHIN PROFILE LIMITATIONS	O	O	-	051200
WELDING TECHNIQUES: EACH PASS MEETS QUALITY REQUIREMENTS	O	O	-	051200
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	P	P	-	051200

REFERENCE AISC 360-16 TABLE N5.4-2

O - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.

P - PERFORM THESE TASKS FOR EACH WELDED JOINT OF MEMBER

INSPECTION TASKS AFTER WELDING

INSPECTION TASKS AFTER WELDING	QUALITY CONTROL	QUALITY ASSURANCE	CODE STANDARD(S)	TT SPECIFICATION
WELDS CLEANED	O	O	-	051200
SIZE, LENGTH AND LOCATION OF WELDS	P	P	-	051200
WELDS MEET VISUAL ACCEPTANCE CRITERIA: CRACK PROHIBITION	P	P	-	051200
WELDS MEET VISUAL ACCEPTANCE CRITERIA: WELD/BASE-METAL FUSION	P	P	-	051200
WELDS MEET VISUAL ACCEPTANCE CRITERIA: CRATER CROSS SECTION	P	P	-	051200
WELDS MEET VISUAL ACCEPTANCE CRITERIA: WELD PROFILES	P	P	-	051200
WELDS MEET VISUAL ACCEPTANCE CRITERIA: WELD SIZE	P	P	-	051200
WELDS MEET VISUAL ACCEPTANCE CRITERIA: UNDERCUT	P	P	-	051200
WELDS MEET VISUAL ACCEPTANCE CRITERIA: POROSITY	P	P	-	051200
ARC STRIKES	P	P	-	051200
K-AREA [1]	P	P	-	051200
WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES [2]	P	P	-	051200
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)	P	P	-	051200
REPAIR ACTIVITIES	P	P	-	051200
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT APPROVAL OF THE EOR	O	O	-	051200
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	P	-	051200
NON-DESTRUCTIVE TESTING OF COMPLETE AND PARTIAL JOINT PENETRATION WELDS: ALL FLAWS SHOULD BE REPAIRED AND RE-TESTED	P	P	-	051200
INSPECTION OF POST BASE WELDS FOR CANTILEVERED RAILING SYSTEMS (IBC 2021 SECTION 1705.2.1)	P	P	-	-

REFERENCE AISC 360-16 TABLE N5.4-3

1 WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 IN. (75 MM) THE WELD

2 AFTER ROLLED HEAVY SHAPES (SEE AISC 360 SECTION A3.1C) AND BUILT-UP HEAVY SHAPES (SEE AISC 360 SECTION A3.1D) ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS

O - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.

P - PERFORM THESE TASKS FOR EACH WELDED JOINT OF MEMBER

INSPECTION TASKS PRIOR TO BOLTING

INSPECTION TASKS PRIOR TO BOLTING	QUALITY CONTROL	QUALITY ASSURANCE	CODE STANDARD(S)	TT SPECIFICATION
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	O	P	-	051200
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS	O	O	-	-
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS	O	O	-	051200
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED	P	O	-	051200
PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS	O	O	-	051200

REFERENCE AISC 360-16 TABLE N5.6-1

O - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.

P - PERFORM THESE TASKS FOR EACH BOLTED CONNECTION

INSPECTION TASKS DURING BOLTING

INSPECTION TASKS DURING BOLTING	QUALITY CONTROL	QUALITY ASSURANCE	CODE STANDARD(S)	TT SPECIFICATION
FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS ARE POSITIONED AS REQUIRED	O	O	-	051200
JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION	O	O	-	051200
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING	O	O	-	051200
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES	O	O	-	051200

REFERENCE AISC 360-16 TABLE N5.6-2

O - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.

P - PERFORM THESE TASKS FOR EACH BOLTED CONNECTION

INSPECTION AFTER BOLTING

INSPECTION TASKS AFTER BOLTING	QUALITY CONTROL	QUALITY ASSURANCE	CODE STANDARD(S)	TT SPECIFICATION
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	P	P	-	051200

REFERENCE AISC 360-16 TABLE N5.6-3

O - OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.

P - PERFORM THESE TASKS FOR EACH BOLTED CONNECTION

REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	CBC REFERENCE
1.	MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:				
A.	IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	—	X	AISC 360, SECTION A3.3 AND APPLICABLE ASTM MATERIAL STANDARDS	—
B.	MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	—	X	—	—
2.	INSPECTION OF HIGH-STRENGTH BOLTING:				
A.	SNUG-TIGHT JOINTS	—	X	AISC 360, SECTION M2.5	—
B.	PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.	X	—		
3.	MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD-FORMED STEEL DECK:				
A.	FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360.	—	X	AISC 360, SECTION A3.1H	2203.1
B.	FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	—	X	APPLICABLE ASTM MATERIAL STANDARDS	—
C.	MANUFACTURER'S CERTIFIED MILL TEST REPORTS.	—	—	ASTM A 6 OR ASTM A 568	
4.	MATERIAL VERIFICATION OF WELD FILLER MATERIALS:				
A.	IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	—	—	AISC 360, SECTION A3.5 AND APPLICABLE AWS A5 DOCUMENTS	—
B.	MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	—	X	—	—
5.	INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:	—	X	—	1705.2.1
A.	DETAILS SUCH AS BRACING AND STIFFENING.	—	X		
B.	MEMBER LOCATIONS.	—	X		
C.	APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	—	X		

DEVELOPMENT LENGTH SCHEDULE (INCHES)

SEE NOTE 5

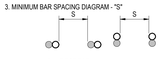
BAR SIZE	BAR GRADE (KSI)	MINIMUM BAR SPACING (INCHES) [MAX(1*.db) + db] NOTE 2		TENSION NOTED AS Ld ON DRAWINGS f'c (PSI)						TENSION NOTED AS Ldh ON DRAWINGS f'c (PSI)						COMPRESSION NOTED AS Ldc ON DRAWINGS f'c (PSI)					
		TENSION	COMPRESSION	3000	4000	5000	6000	7000	8000	9000	10,000	11,000	12,000	3000	4000	5000	6000	7000	8000	9000	10,000	11,000	12,000	3000	4000	5000	6000	7000	8000	9000	10,000	11,000	12,000
#4	60	1 1/2	2	22	19	17	16	15	14	13	12	12	11	6	6	6	6	6	6	6	6	6	6	11	10	9	8	8	8	8	8	8	8
#5	60	1 1/4	1 7/8	28	24	22	20	18	17	16	15	15	14	8	8	8	7	7	7	7	7	7	7	14	12	11	10	9	9	8	8	8	8
#6	60	1 1/2	2 1/4	33	29	26	24	22	21	19	18	18	17	13	12	11	10	9	8	8	8	7	7	17	15	13	12	11	11	10	9	9	9
#7	60	1 3/4	2 5/8	58	50	45	41	38	36	34	32	31	29	17	15	13	12	11	10	10	9	9	9	20	17	15	14	13	12	12	11	11	10
#8	60	2	3	66	57	51	47	44	41	38	36	35	33	20	18	16	15	14	13	12	11	11	10	22	19	17	16	15	14	13	12	12	11
#9	60	2 1/8	3 1/5	75	65	58	53	49	46	43	41	39	38	24	21	19	17	16	15	14	14	13	12	25	22	20	18	17	16	15	14	13	13
#10	60	2 1/4	3 2/5	84	73	65	60	55	52	49	46	44	42	29	25	23	21	19	18	17	16	15	15	28	25	22	20	19	18	17	16	15	14
#11	60	2 2/5	3 3/5	93	81	72	66	61	57	54	51	49	47	34	29	26	24	22	21	20	19	18	17	31	27	24	22	21	19	18	17	17	16

DEVELOPMENT LENGTH SCHEDULE NOTES:

1. WHERE MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BELOW THE DEVELOPMENT LENGTH, MULTIPLY Ld BY 1.3.
2. WHERE STIRRUPS OR TIES ARE NOT PRESENT THROUGHOUT Ld, MINIMUM BAR SPACING MUST BE INCREASED TO [MAX(1*, db) + 2db] FOR SCHEDULED VALUES TO BE APPLICABLE.
3. FOR HOOKED BARS SPACED MORE THAN 6 BAR DIAMETERS, OR WHEN RATIO OF TOTAL CROSS-SECTIONAL AREA OF STIRRUPS CONFINING HOOKED BARS TO TOTAL CROSS-SECTIONAL AREA OF HOOKED BARS BEING DEVELOPED IS MORE THAN 0.4, Ldh MAY BE REDUCED BY MULTIPLYING BY 0.625.
4. FOR HOOKED BARS ANCHORED WITHIN A COLUMN CORE WITH SIDE COVER MORE THAN 2.5 INCHES OR IN OTHER MEMBERS WITH SIDE COVER MORE THAN 6 AR DIAMETERS, Ldh MAY REDUCED BY MULTIPLYING BY 0.8.

LAP SPLICE NOTES:

1. TABULATED VALUES ARE PER ACI 318-19 REQUIREMENTS FOR NORMALWEIGHT CONCRETE. THE VALUES ON THIS SHEET DO NOT APPLY TO LIGHTWEIGHT CONCRETE
2. SEE TYPICAL DETAILS FOR CLEAR COVER
3. MINIMUM BAR SPACING DIAGRAM - "S"



4. WHERE ACTUAL CONDITIONS DIFFER FROM THE CLEAR COVER SHOWN ON THE TYPICAL DETAILS OR DIFFER FROM PROVIDED SCHEDULED BAR SIZE: MINIMUM SPACING AND/OR fc, LENGTHS SHALL BE ADJUSTED ONLY WITH THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.
5. TABULATED VALUES ARE FOR NON-EPOXY COATED GRADE 60 REINFORCEMENT IN NORMALWEIGHT CONCRETE

   FOR EPOXY COATED REINFORCEMENT:
   MULTIPLY Ld BY 1.5
   MULTIPLY Ldh BY 1.2
   Ldc IS NOT AFFECTED
   MULTIPLY LTS BY 1.3 FOR "TOP BARS"
   MULTIPLY LTS BY 1.5 FOR ALL OTHER REINFORCEMENT
6. WHERE BARS OF DIFFERENT SIZES ARE LAP SPLICED IN TENSION, THE TENSION LAP SPLICE LENGTH (LTS) SHALL BE THE LARGER OF THE TENSION DEVELOPMENT LENGTH (Ld) OF THE LARGER BAR AND THE TENSION LAP SPLICE LENGTH OF THE SMALLER BAR.
7. WHERE BARS OF DIFFERENT SIZES ARE LAP SPLICED IN COMPRESSION, THE COMPRESSION LAP LENGTH (LCS) SHALL BE THE LARGER OF THE COMPRESSION DEVELOPMENT LENGTH (Ldc) OF THE LARGER BAR OR THE COMPRESSION LAP SPLICE LENGTH OF THE SMALLER BAR.
8. "TOP BARS" ARE DEFINED AS HORIZONTAL REINFORCEMENT PLACED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BELOW THE DEVELOPMENT LENGTH OR SPLICE "OTHER BARS" ARE ALL BARS FOR WHICH THIS DOES NOT APPLY

SLAB/SLAB-ON-GRADE REINFORCEMENT LAP SPLICE LENGTH SCHEDULE (INCHES)

SEE NOTE 5

BAR SIZE	BAR GRADE (KSI)	MINIMUM BAR SPACING (INCHES)	TENSION (LTS)** f'c = 3 KSI	f'c = 4 KSI	f'c = 5 KSI	f'c = 6 KSI	f'c = 7 KSI	f'c = 8 KSI
#4	60	5 1/2	22	19	17	16	15	14
#5	60	5 3/8	28	24	22	20	18	17
#6	60	5 1/4	33	29	26	24	22	21
#7	60	5 1/8	58	50	45	41	38	36
#8	60	5	66	57	51	47	44	41

** WHERE MORE THAN 12" OF FRESH CONCRETE IS CAST BELOW THE SPLICE LOCATION, MULTIPLY LTS BY 1.3.

CAST-IN-PLACE NONPRESTRESSED CONCRETE COVER SCHEDULE (ACI 318)

CONCRETE EXPOSURE	MEMBER	BAR SIZE	CLEAR COVER (INCHES)
CAST AGAINST AND PERMANENTLY IN CONTACT WITH GROUND	ALL	ALL	3
EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	ALL	#6 THROUGH #18 BARS	2
		#5 BAR, W31 OR D31 WIRE, AND SMALLER	1 1/2
NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND	SLAB, JOISTS, AND WALLS	#14 AND #18 BARS	1 1/2
		#11 BAR AND SMALLER	3/4
	BEAMS, COLUMNS, PEDESTALS, AND TENSION TIES	PRIMARY REINFORCEMENT, STIRRUPS, TIES, SPIRALS, AND HOOPS	1 1/2

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

ISSUE FOR 95% CONSTRUCTION DOCUMENTS
10/02/2025

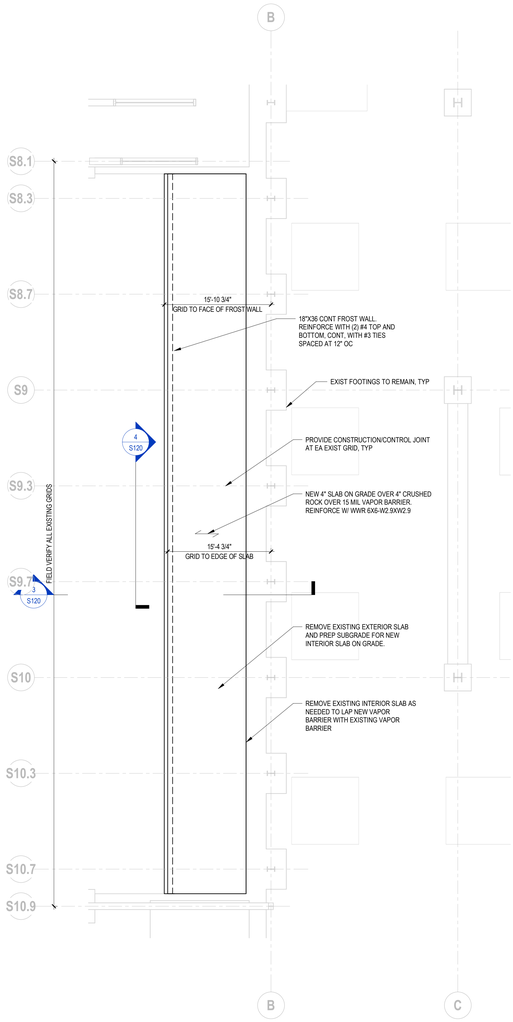
STATE OF MISSOURI
ROBERT A. TUCCI
E-24455
REGISTERED PROFESSIONAL ENGINEER
10/02/2025

SOA 25042

SPECIAL INSPECTIONS

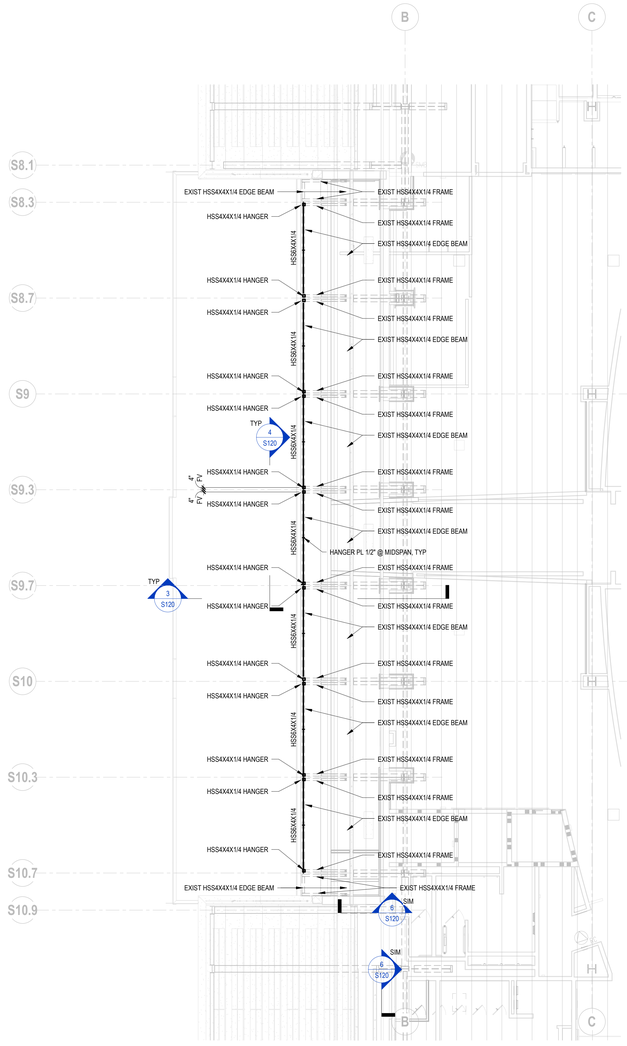
S002

Autodesk Docs://13-24106-01 MU-Football Stadium Improvements/T24014.00_MU Stadium South_STR_R24.rvt
9/24/2025 5:46:38 PM



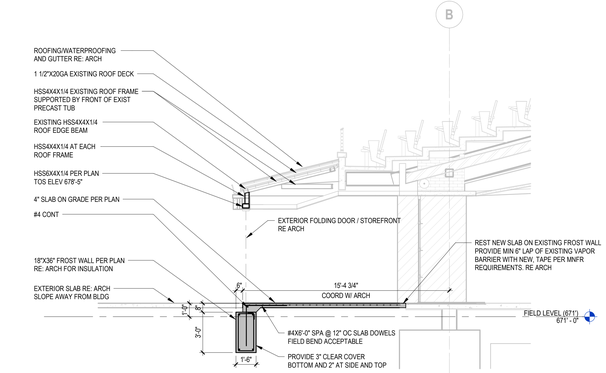
1 RECRUITMENT ROOM FOUNDATION

SCALE: 1/8" = 1'-0"



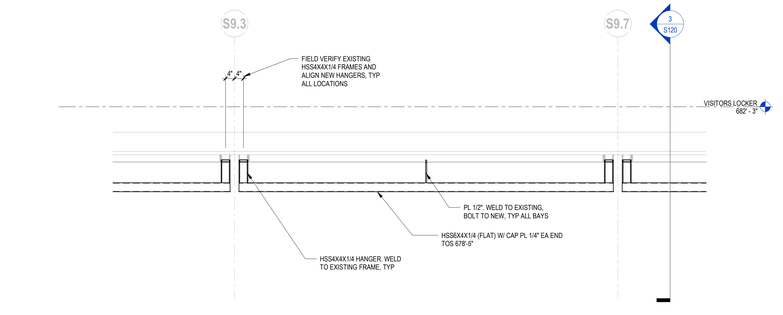
2 RECRUITMENT ROOM ROOF

SCALE: 1/8" = 1'-0"



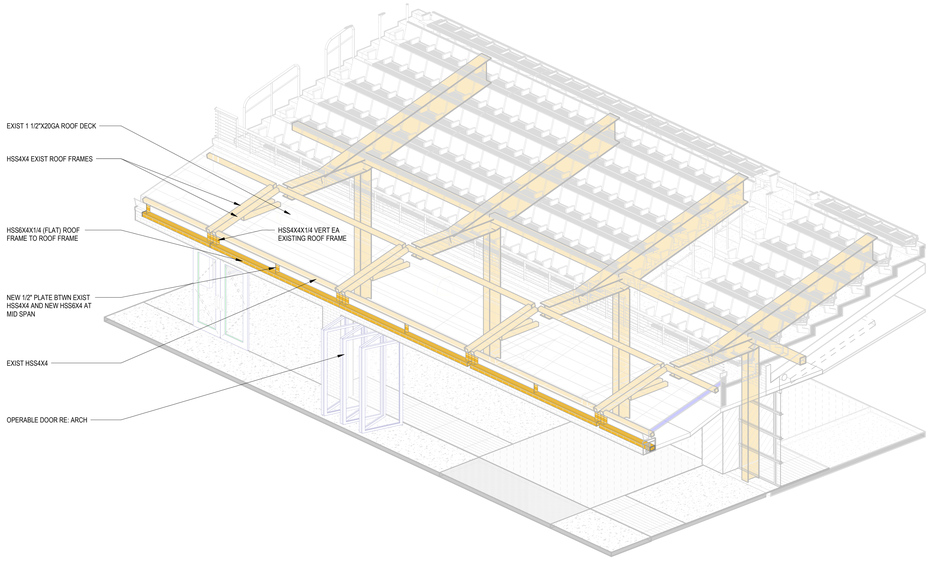
3 RECRUITMENT ROOM SECTION

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



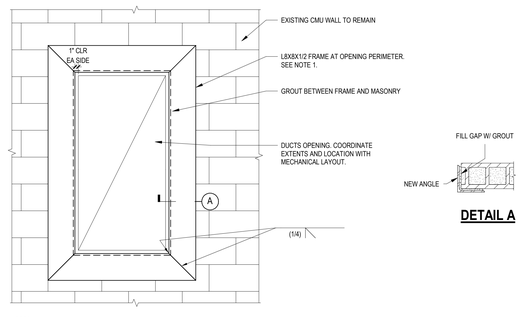
4 RECRUITMENT ROOM ELEVATION

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



5 RECRUITMENT ROOM ISO VIEW

SCALE:



NOTES
1. LOCATE OPENING MIN 1'-4" AWAY FROM CORNER OF MASONRY WALL.

6 DUCT PENETRATION AT CMU WALL

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

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

ISSUE FOR 95% CONSTRUCTION DOCUMENTS
10/02/2025

STATE OF MISSOURI
ROBERT A. TURNER
E-24455
REGISTERED PROFESSIONAL ENGINEER
10/02/2025

SOA 25042

RECRUITMENT ROOM RENOVATIONS

S120

Autodesk Docs://13-24106-01 MU-Football Stadium Improvements/T24014.00_MU Stadium South_STR_R24.rvt
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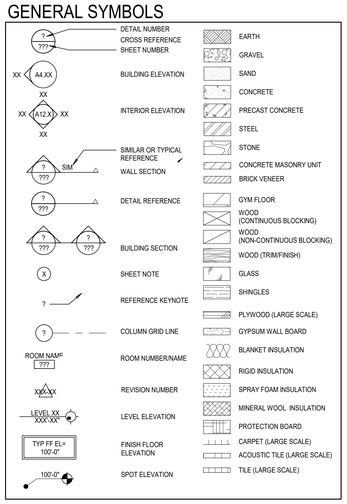
GENERAL ABBREVIATIONS

#	NUMBER
&	AND
@	AT
ADA	AMERICANS WITH DISABILITY ACT
ADDN	ADDITION OR ADDITIONAL
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
BLDG	BUILDING
BSMT	BASEMENT
CL	CENTER LINE
CLG	CEILING
CM	CENTIMETER
CONC	CONCRETE
CONN(S)	CONNECTION(S)
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR(
CTR	CENTER
D	DEPTH
DEG	DEGREE
DEMO	DEMOLISH OR DEMOLITION
DIA	DIAMETER
DIM	DIMENSION
DIV	SPECIFICATION DIVISION
DN	DOWN
DTL	DETAIL
DWG(S)	DRAWING(S)
E	EAST
EA	EACH
EC	ELECTRICAL CONTRACTOR
EL	ELEVATION
ELEC	ELECTRICAL
ENG	ENGINEER
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
EXIST	EXISTING
EXT	EXTERIOR
FIN	FINISHED
FL	FLOOR
FT	FEET
FUT	FUTURE
GC	GENERAL CONTRACTOR
GOVT	GOVERNMENT
H	HEIGHT
HORIZ	HORIZONTAL
HT	HEIGHT
i.e.	THAT IS
IBC	INTERNATIONAL BUILDING CODE
IN	INCH
INT	INTERIOR
LB(S)	POUND(S)
M	METER
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MM	MILLIMETER
N	NORTH
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OPP	OPPOSITE
OVHD	OVERHEAD
PAR	PARALLEL
PENT	PENTHOUSE
PLYWD	PLYWOOD
QTY	QUANTITY
REQ(D)	REQUIRE(D)
REV	REVISION(S)
RM	ROOM
RND	ROUND
S	SOUTH
SCHED	SCHEDULE
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION(S)
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SYM	SYMETRICAL
TEMP	TEMPORARY
TYP	TYPICAL
UNEX	UNEXCAVATED
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
W	WEST
W/	WITH
W/O	WITHOUT

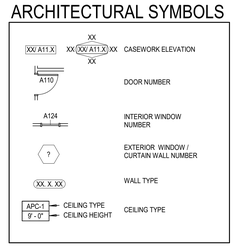
ARCHITECTURAL ABBREVIATIONS

A/E	ARCHITECT/ENGINEER
AB	AIR BARRIER
ABS	ASBESTOS
ACR	ACRYLIC
ACT	ACOUSTIC CEILING TILE
AD	ACCESS DOOR
ADJ	ADJUSTABLE
ADJT	ADJACENT
ADMIN	ADMINISTRATION
AED	AUTOMATED EXTERNAL DEFIBRILLATORS
AL	ALUMINUM
ALUM	ALUMINUM
AP	ACCESS PANEL
APC	ACOUSTIC PANEL CEILING
ASPH	ASPHALT
AUTO	AUTOMATIC
AVG	AVERAGE
AWP	ACOUSTIC WALL PANEL
B.O.	BOTTOM OF
BCS	BABY CHANGING STATION
BD	BOARD
BLK	BLOCK
BLKG	BLOCKING
BLKHD	BULKHEAD
BM(S)	BEAM(S)
BOT	BOTTOM
BRDG	BRIDGING
BRG	BEARING
BRKT	BRACKET
BT	BATHTUB
BTWN	BETWEEN
CAB	CABINET
CBD	CHALKBOARD
CER	CERAMIC
CF	CUBIC FEET
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFMF	COLD-FORMED METAL FRAMING
CG	CLEAR FLOAT GLASS
CGD	CORNER GUARD
CI	CAST IRON
CIG	CLEAR INSULATING GLASS
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CJA	CONTROL JOINT ABOVE
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COM	COMMON
COMB	COMBINATION
COMM	COMMUNICATIONS
COMPR	COMPRESSIBLE
CONF	CONFERENCE
CONFIG	CONFIGURATION
CORR	CORRIDOR
CP	COVER PLATE
CPT	CARPET
CR	CHAIR RAIL
CS	COUNTERSINK
CSTJ	CONSTRUCTION JOINT
CSWK	CASEWORK
CT	CERAMIC TILE
CTG	CLEAR TEMPERED FLOAT GLASS
CTIG	CLEAR TEMPERED INSULATING GLASS
CU	COPPER
CU	COMBINATION UNIT
CV	CONDOM VENDOR
CY	CUBIC YARD
CYL	CYLINDER
DB	DECIBEL
DBL	DOUBLE
DC	DUST COLLECTOR
DEPR	DEPRESS(ION)(ED)
DEPT	DEPARTMENT
DET	DETENTION
DF	DRINKING FOUNTAIN
DG	DOOR GRILLE
DIAG	DIAGONAL
DPFG	DAMPROOFING
DR	DOOR
DSN	DOWNSPOUT NOZZLE
DW	DISHWASHER
DWL(S)	DOWEL(S)
DWR	DRAWER
EB	EXPANSION BOLT
EE	EACH END
EEW	EMERGENCY EYE WASH
EEWS	EMERGENCY EYE WASH SHOWER
EFF	EFFICIENCY
EJ	EXPANSION JOINT
ELAS	ELASTOMERIC
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSURE
ENTR	ENTRANCE
ERF	EPOXY RESIN FLOORING
EUI	ENERGY USE INTENSITY
EW	EACH WAY
EXP	EXPANSION
EXP	EXPOSED
F	FABRIC
F.O.	FACE OF
FAB	FABRICATE(D)
FB	FACE BRICK
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FIG	FIGURE
FIX	FIXTURE
FLASH	FLASHING
FLEX	FLEXIBLE
FLG	FLOORING
FLM	FULL LENGTH MIRROR
FLUOR	FLUORESCENT
FO	FINISH OPENING
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FOW	FACE OF WALL
FP	FIREPROOFING
FR	FIRE RESISTANT
FRP	FIBERGLASS REINFORCED PANEL
FRT	FIRE RESISTANCE TREATED
FS	FLOOR SINK
FSS	FOLDING SHOWER SEAT
FTG	FOOTING
FVC	FIRE VALVE CABINET
FWC	FABRIC WALL COVERING
G	GROUT
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GD	GARBAGE DISPOSAL
GEN	GENERAL
GFA	GROSS FLOOR AREA
GL	GLUE LAMINATED
GL	GLASS
GMP	GUARANTEED MAXIMUM PRICE
GR	GUARD RAIL
GR	GRADE
GRS	GALVANIZED RIGID STEEL
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
HC	HOLLOW CORE
HD	HAND DRYER
HDF	HIGH DENSITY FIBERBOARD
HDR	HEADER
HDWD	HARDWOOD
HDWR	HARDWARE
HM	HOLLOW METAL
HR	HOUR
HR	HANDRAIL
HS	HARDWARE SET
HSS	HOLLOW STRUCTURAL SHAPE
HVAC	HEATING VENTILATING AND AIR CONDITIONING
IAW	IN ACCORDANCE WITH
ID	INSIDE DIAMETER
IF	INSIDE FACE
IIP	INSULATED INFILL PANEL GLASS
IJ	ISOLATION JOINT
IJS	IN JOIST SPACE
INC	INCLUDE(ING)
INSUL	INSULATION
JAN	JANITOR
JBE	JOIST BEARING ELEVATION
JBX	JUNCTION BOX
JCT	JUNCTION
JFB	JOINT FILLER BOARD
JST	JOIST
JT	JOINT
KCJ	KEYED CONSTRUCTION JOINT
KD	KNOCKDOWN
KH	KITCHEN HOOD
KIT	KITCHEN
L	ANGLE
LAB	LABORATORY
LAM	LAMINATED
LBR	LUMBER
LDG	LOADING
LF	LINEAR FOOT
LG	LENGTH (LONG)
LG	LAMINATED GLASS
LIN	LINEAR
LINO	LINOLEUM
LKR	LOCKER
LOC	LOCATION
LONG	LONGITUDINAL
LSC	LIFE SAFETY CODE
LTG	LIGHTING
LV	LOUVER
LVT	LUXURY VINYL TILE
MAG	MAGNETIC
MAINT	MAINTENANCE
MAN	MANUAL
MAS	MASONRY
MATL	MATERIAL
MB	MOP BASIN
MBD	MARKER BOARD
MBH	MOP/BROOM HOLDER
MC	MEDICINE CABINET
MEMB	MEMBRANE
MH	MANHOLE
MTD	MOUNTED
MTG	MOUNTING
MUL	MULLION
NC	NOISE CRITERIA
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NOM	NOMINAL
O to O	OUT TO OUT
OA	OVERALL
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFF	OFFICE
OFOI	OWNER FURNISHED OWNER INSTALLED
OH	OPPOSITE HAND
OPG(S)	OPENING(S)
OSHA	OPERATIONAL SAFETY AND HEALTH ADMINISTRATION
OTB	OPEN TO BELOW
OVFL	OVERFLOW
P	PAINT
PAN B	PANIC BOLT
PB	PARTICLE BOARD
PC	PRECAST CONCRETE
PCD	PAPER CUP DISPENSER
PCT	PORCELAIN CERAMIC TILE
PD	PANIC DEVICE
PERF	PERFORATED
PERP	PERPENDICULAR
PG	PATTERN GLASS
PIC	PORTABLE INSTRUMENT CONNECTION
PIG	PATTERN INSULATING GLASS
PL	PLATE
PL	PROPERTY LINE
PL	PLASTIC LAMINATE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PR	PAIR
PREFAB	PREFABRICATED
PROJ	PROJECT(OR) (ION)
PS	PROJECTION SCREEN
PT	POINT
PT	POINT OF TANGENCY
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
PWL	SOUND POWER LEVEL
QGV	QUAD GAS VALVE
QT	QUARRY TILE
QTR RND	QUARTER ROUND
R	RISER
RAD	RADIUS
RB	RUBBER BASE
RC	REMOTE CONTROL
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE
REFL	REFLECTED
REM	REMOVABLE
RESIL	RESILIENT
RF	RESILIENT FLOORING
RF	RUBBER FLOOR
RFM	RECESSED FLOOR MAT
RH	ROBE HOOK
RI&C	ROUGH IN AND CONNECT
S	SINK
SAT	SPRAYED ACOUSTIC TREATMENT
SAW	SOUND ABSORBING WALL UNITS
SB	SPLASH BLOCK
SC	SOLID CORE
SC	SHOWER CURTAIN
SCH	SHOWER CURTAIN HOOK
SCR	SHOWER CURTAIN ROD & CURTAIN
SCT	STRUCTURAL CLAY TILE
SD	SOAP DISPENSER
SECY	SECRETARY
SF	SQUARE FEET
SG	SPANDREL GLASS
SG	SPECIALTY GLASS
SGL	SINGLE
SGV	SINGLE GAS VALVE
SH	SHOWER
SHM	SECURITY HOLLOW METAL
SLNT	SEALANT
SM	SHEET METAL
SND	SANITARY NAPKIN DISPOSAL
SNV	SANITARY NAPKIN VENDOR
SO	SENSOR OPERATED
SPL	SOUND PRESSURE LEVEL
SQ	SQUARE
SR	SURFACE MOUNTED ELECTRICAL RACEWAY
SS	SOLID SURFACE
SSA	STORM SHELTER AREA
SSM	SOLID SURFACE
SST	STAINLESS STEEL
ST	STONE
ST	STAIR
STAGD	STAGGERED
STC	SOUND TRANSMISSION CLASS
STGR	STRINGER
SUBFL	SUBFLOOR
SUL	SULPHUR
SURF	SURFACE
SUSP	SUSPENDED
SVF	SHEET VINYL FLOORING
SVF	SERVICE FIXTURE
SVG	SERVICE FIXTURE GROUP
T	TREAD
T&G	TONGUE AND GROOVE
T.O.	TOP OF
TAN	TANGENT
TB	TOWEL BAR
TBD	TACK BOARD
TCP	TOILET COMPARTMENT PARTITION
TERR	TERRAZZO
TFG	TINTED FLOAT GLASS
TG	TEMPERED GLASS
TH	THRESHOLD
THK	THICK(NESS)
TI	TENANT IMPROVEMENT
TIG	TINTED INSULATING GLASS
TMR	TILT MIRROR UNIT
TOIL	TOILET
TOP	TOP OF PAVING
TRANS	TRANSVERSE
TT	TERRAZZO TILE
TTG	TINTED TEMPERED FLOAT GLASS
TTIG	TINTED TEMPERED INSULATING GLASS
TTP	TOILET TISSUE DISPENSER
TW	TACK WALL
UL	UNDERWRITERS LABORATORIES
UR	URINAL
UTIL	UTILITY
VB	VAPOR BARRIER
VB	VINYL BASE
VCB	VENTED COVE BASE
VF	VINYL FLOOR
VOC	VOLITILE ORGANIC COMPOUND
VOL	VOLUME
VP	VENEER PLASTER
VT	VINYL TILE
VWC	VINYL WALL COVERING
W	WIDE
WB	WALL BASE
WC	WALL COVERING
WCL	WATER CLOSET/LAVATORY COMBINATION
WD	WOOD
WDF	WOOD FLOORING
WDW	WINDOW
WG	POLISHED WIRE GLASS
WI	WROUGHT IRON
WOM	WALK OFF MAT
WRB	WEATHER RESISTANT BARRIER
WW	WARM WHITE
WWF	WELDED WIRE FABRIC
YD	YARD

GENERAL SYMBOLS



ARCHITECTURAL SYMBOLS



GENERAL ARCHITECTURAL NOTES

1. ALL INTERIOR CMU WALLS SHALL BE 8 INCHES NOMINAL THICKNESS, UNLESS NOTED OTHERWISE.
2. PARTITION TYPES SHALL BE DESIGNATED ON FLOOR PLANS XX, X, XX. THUS: SEE SHEET XX.X FOR TYPES. ALL INTERIOR PARTITIONS ARE TYPE XX.X.XX UNLESS NOTED OTHERWISE.
3. ALL MASONRY WALLS AND INTERIOR STUD WALLS SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE, PER PARTITION TYPE.
4. 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 DETAILS ON SHEET XX.X.
5. SEE STRUCTURAL DRAWINGS FOR BRACING OF NON-LOAD BEARING MASONRY WALLS.
6. 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.
7. GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS WHERE SHOWN ON DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
8. MASONRY CONTROL JOINTS (CJ) AND CONTROL JOINTS ABOVE (CJA) 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.
9. "MBD" AND "TBD" INDICATE MARKER BOARDS AND TACK BOARDS ON PLANS. THE LENGTH PRECEDES THE DESIGNATION (EXAMPLE 16' MBD). ALL BOARDS ARE 4'-0" TALL. SEE WALL ELEVATIONS OR SPECIFICATIONS FOR MOUNTING HEIGHT.
10. EXTEND FURRING CHANNELS AND GYPSUM BOARD UP 4 INCHES ABOVE FINISHED CEILING ON CMU WALLS.
11. SCRIBE GYPSUM WALL BOARD OF WALLS AND PARTITIONS TO IRREGULARITIES OF DECK ABOVE. SEAL TIGHTLY AROUND ALL PENETRATIONS.
12. PROVIDE SEISMIC BRACING FOR SUSPENDED CEILINGS OR AS SHOWN ON THE DRAWINGS.

PARTITION SCHEDULE

TYPE	WALL THICKNESS	PLAN DETAIL	HEAD DETAIL	SILL DETAIL	UL #
A	0'- 4 7/8"	3 5/8" 22 GAUGE METAL STUDS @ 16" O.C. REF WALL TAG FOR INSUL 5/8" TYPE "X" GYPSUM BOARD EA SIDE	STRUCTURAL DECK CONT SEALANT PER SPECBOTH SIDES	CONT SEALANT PER SPEC BOTH STRUCTURAL	N/A
A1	0'- 4 7/8"	3 5/8" 22 GAUGE METAL STUDS @ 16" O.C. REF WALL TAG FOR INSUL 5/8" TYPE "X" GYPSUM BOARD EA SIDE	STRUCTURAL DECK CONT FIRE CAULK PER SPEC BOTH SIDES	CONT FIRE CAULK PER SPEC BOTH SIDES STRUCTURAL	UL#263 U419
A2	0'- 6 1/8"	3 5/8" 22 GAUGE METAL STUDS @ 16" O.C. REF WALL TAG FOR INSUL (2x) LAYERS 5/8" TYPE "X" GYPSUM BOARD EA SIDE	STRUCTURAL DECK CONT FIRE CAULK PER SPEC BOTH SIDES	CONT FIRE CAULK PER SPEC BOTH SIDES STRUCTURAL FLOOR	UL#263 W440
B	0'- 7 1/4"	6" 22 GAUGE METAL STUDS @ 16" O.C. REF WALL TAG FOR INSUL 5/8" TYPE "X" GYPSUM BOARD EA SIDE	STRUCTURAL DECK CONT SEALANT PER SPEC BOTH SIDES	CONT SEALANT PER SPEC BOTH SIDES STRUCTURAL	N/A
B1	0'- 7 1/4"	6" 22 GAUGE METAL STUDS @ 16" O.C. REF WALL TAG FOR INSUL 5/8" TYPE "X" GYPSUM BOARD EA SIDE	STRUCTURAL DECK CONT FIRE CAULK PER SPEC BOTH SIDES	CONT FIRE CAULK PER SPEC BOTH SIDES STRUCTURAL FLOOR	UL#263 U419
B2	0'- 8 1/2"	6" 22 GAUGE METAL STUDS @ 16" O.C. REF WALL TAG FOR INSUL (2x) LAYERS 5/8" TYPE "X" GYPSUM BOARD EA SIDE	STRUCTURAL DECK CONT FIRE CAULK PER SPEC BOTH SIDES	CONT FIRE CAULK PER SPEC BOTH SIDES STRUCTURAL FLOOR	UL#263 W440
C	0'- 4 1/4"	3 5/8" 22 GAUGE METAL STUDS @ 16" O.C. 5/8" TYPE "X" GYPSUM BOARD ONE SIDE	STRUCTURAL DECK CONT SEALANT PER SPEC	CONT SEALANT PER SPEC STRUCTURAL FLOOR	N/A
C2	0'- 3 1/8"	2 1/2" 22 GAUGE METAL STUDS @ 16" O.C. 5/8" TYPE "X" GYPSUM BOARD ONE SIDE	STRUCTURAL DECK CONT SEALANT PER SPEC	CONT SEALANT PER SPEC STRUCTURAL FLOOR	N/A

TYPE	WALL THICKNESS	PLAN DETAIL	HEAD DETAIL	SILL DETAIL	UL #
D	0'- 2 1/4"	1 5/8" 22 GAUGE METAL STUDS @ 16" O.C. 5/8" TYPE "X" GYPSUM BOARD ONE SIDE	STRUCTURAL DECK CONT SEALANT PER SPEC	CONT SEALANT PER SPEC STRUCTURAL FLOOR	N/A
E	0'- 6 5/8"	6" 22 GAUGE METAL STUDS @ 16" O.C. 5/8" TYPE "X" GYPSUM BOARD ONE SIDE	STRUCTURAL DECK CONT FIRE CAULK PER SPEC	CONT SEALANT PER SPEC STRUCTURAL FLOOR	N/A
F	1'- 2 1/2"	3 5/8" 22 GAUGE METAL STUDS @ 16" O.C. 5/8" TYPE "X" GYPSUM BOARD EA SIDE SOUND BATTS	STRUCTURAL DECK CONT SEALANT PER SPEC BOTH SIDES	CONT SEALANT PER SPEC BOTH SIDES STRUCTURAL FLOOR	N/A
G	0'- 7 5/8"	8" REINFORCED CMU BLOCK	STRUCTURAL DECK	STRUCTURAL FLOOR	UL#263 U906
H	VARIES	7/8" METAL HAT CHANNEL @ 16" O.C. EXISTING WALL/SUBSTRATE 3/4" PLYWOOD	STRUCTURAL DECK CONT FIRE CAULK PER SPEC	CONT FIRE CAULK PER SPEC STRUCTURAL FLOOR	UL#263 U914
H1	0'- 9 7/8"	1 5/8" 22 GAUGE METAL STUDS @ 16" O.C. 8" REINFORCED CMU BLOCK 5/8" TYPE "X" GYPSUM BOARD EA SIDE	STRUCTURAL DECK CONT FIRE CAULK PER SPEC	CONT FIRE CAULK PER SPEC STRUCTURAL FLOOR	UL#263 U914
H2	0'- 10 3/4"	2 1/2" 22 GAUGE METAL STUDS @ 16" O.C. 8" REINFORCED CMU BLOCK 5/8" TYPE "X" GYPSUM BOARD EA SIDE	STRUCTURAL DECK CONT FIRE CAULK PER SPEC	CONT FIRE CAULK PER SPEC STRUCTURAL FLOOR	UL#263 U914
H3	0'- 9 7/8"	3 5/8" 22 GAUGE METAL STUDS @ 16" O.C. 8" REINFORCED CMU BLOCK 5/8" TYPE "X" GYPSUM BOARD EA SIDE	STRUCTURAL DECK CONT FIRE CAULK PER SPEC	CONT FIRE CAULK PER SPEC STRUCTURAL FLOOR	UL#263 U914

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ARCHITECT
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MO Certificate of Authority: #000239

THE PROFESSIONAL ARCHITECT'S SEAL ON THIS DRAWING HAS BEEN AFFIXED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 327, RSMO. IN AFFIXING THIS SEAL, THE ARCHITECT ASSUMES RESPONSIBILITY FOR THE WORK SHOWN ON THIS DRAWING ONLY, AND HEREBY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR ANY WORK NOT PREPARED BY OR DIRECTLY BEARING THIS SEAL.

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

ISSUE FOR BID
10/02/2025

SOA 25042

GENERAL NOTES, ARCHITECTURAL SYMBOLS , ABBREVIATIONS & PARTITION TYPES

A0.1

Autodesk Docs://13-24106-01 MU-Football Stadium Improvements/13-24106-01 MU Stadium Existing_AR_2024.rvt
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DEMOLITION GENERAL NOTES

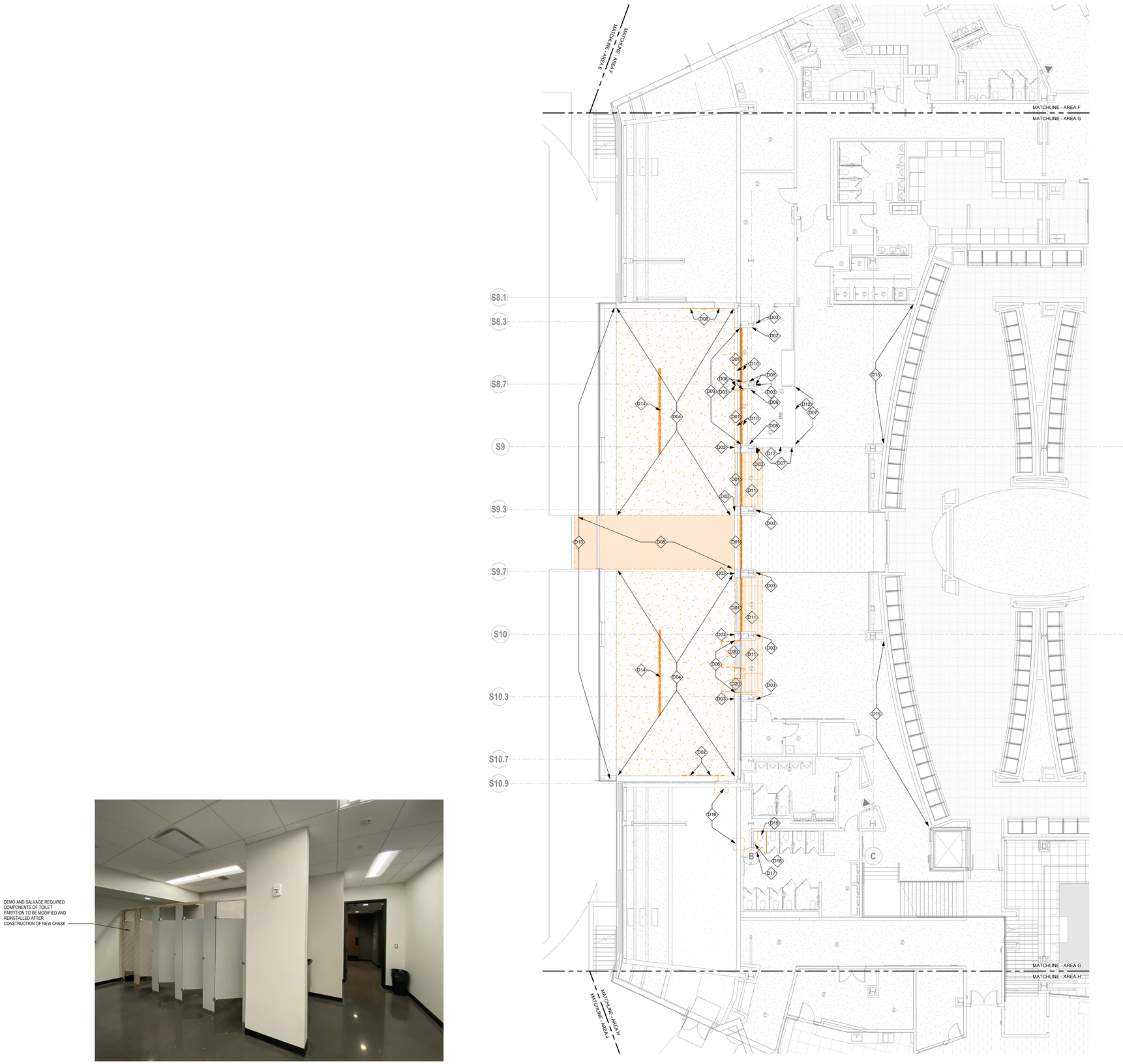
DEMOLITION NOTES APPLY TO ALL DEMOLITION SHEETS.

THE CONTRACTOR SHALL:

A. 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.
B. COORDINATE ANY DISRUPTION OF UTILITY SERVICES WITH THE OWNER AND AS SPECIFIED.
C. 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.
D. MAINTAIN A SECURE, WEATHER-TIGHT ENCLOSURE AT ALL TIMES.
E. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
F. REMOVE IN THEIR ENTIRETY ALL EXISTING WALLS, DOORS, MILLWORK, PLUMBING FIXTURES, CEILINGS, SOFFITS, MARKER BOARDS, AND OTHER ITEMS, AS REQUIRED TO EXECUTE THE DEMOLITION/CONSTRUCTION WORK DESCRIBED BY THE DRAWINGS.
G. THE OWNER SHALL RESERVE THE RIGHT TO SALVAGE ANY MATERIALS.
H. PROVIDE PROTECTION FOR ALL EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO ANY DEMOLITION OR CONSTRUCTION-RELATED INCIDENT PERFORMED UNDER THIS CONTRACT.
I. REPAIR OR REPLACE ITEMS THAT ARE DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISH AND/OR CONDITION.
J. EXISTING MATERIALS SHALL NOT BE REUSED UNLESS NOTED OTHERWISE OR AS AUTHORIZED BY ARCHITECT.
K. VERIFY AND MAINTAIN THE LOCATION OF EXISTING POWER, COMMUNICATION AND DATA CABLES TO PREVENT INTERRUPTION OF THEIR SERVICE.
L. 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-RESISTANCE-RATED SEPARATIONS. FINISH AS REQUIRED FOR NEW OR EXISTING ADJACENT SURFACES.
M. CAP ALL DISCONNECTED MECHANICAL PIPING LINES WITHIN THE WALL OR FLOOR. PATCH AND FINISH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACES.
N. SEE MECHANICAL AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.
O. AVOID ANY DISTURBANCE OF SOILS WITHIN THE ZONE OF INFLUENCE AROUND EXISTING FOOTINGS AND FLOOR SLABS AS DIRECTED BY GEOTECHNICAL ENGINEER.
P. WHERE CMU WALLS ARE INDICATED TO BE REMOVED, PREPARE ADJACENT WALLS TO RECEIVE NEW PATCH/FINISH BY REMOVING CMU IN TOOTH-IN PATTERN BOTH SIDES OF DEMOLITION FOR CONTRACTOR TO TOOTH-IN NEW CMU PATCHES.
Q. WHERE PLASTER/STUD WALLS ARE INDICATED TO BE REMOVED, PREPARE ADJACENT WALLS TO RECEIVE NEW PATCH/FINISH BY SAWCUTTING ADJACENT PLASTER FINISH A MINIMUM OF 1'-0" BEYOND DEMOLITION.
R. REMOVE WALLS INDICATED BY THE FOLLOWING LINETYPE (UNLESS NOTED OTHERWISE):

KEYNOTES - DEMOLITION PLAN - CP241934

D01	OVERHEAD DOOR AND ASSOCIATED TRACK ABOVE - REMOVE AND DISPOSE OF
D02	MONITOR - REMOVE AND SALVAGE TO OWNER
D03	WALL MOUNTED SPEAKER - REMOVE AND SALVAGE TO OWNER
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, AND EXTERIOR SHEATHING - REMOVE AND DISPOSE OF. EXISTING STUD FRAMING, BLACK FRP, AND SSTL 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 BAR 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 PLUMBING DRAWINGS
D20	DOOR - REMOVE AND DISPOSE OF

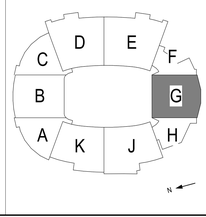


FIELD LEVEL - AREA G - RECRUITING ROOM - DEMO PLAN
SCALE: 1/8" = 1'-0"

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

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

KEY PLAN



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FIELD LEVEL - RECRUITING ROOM - DEMO

A102

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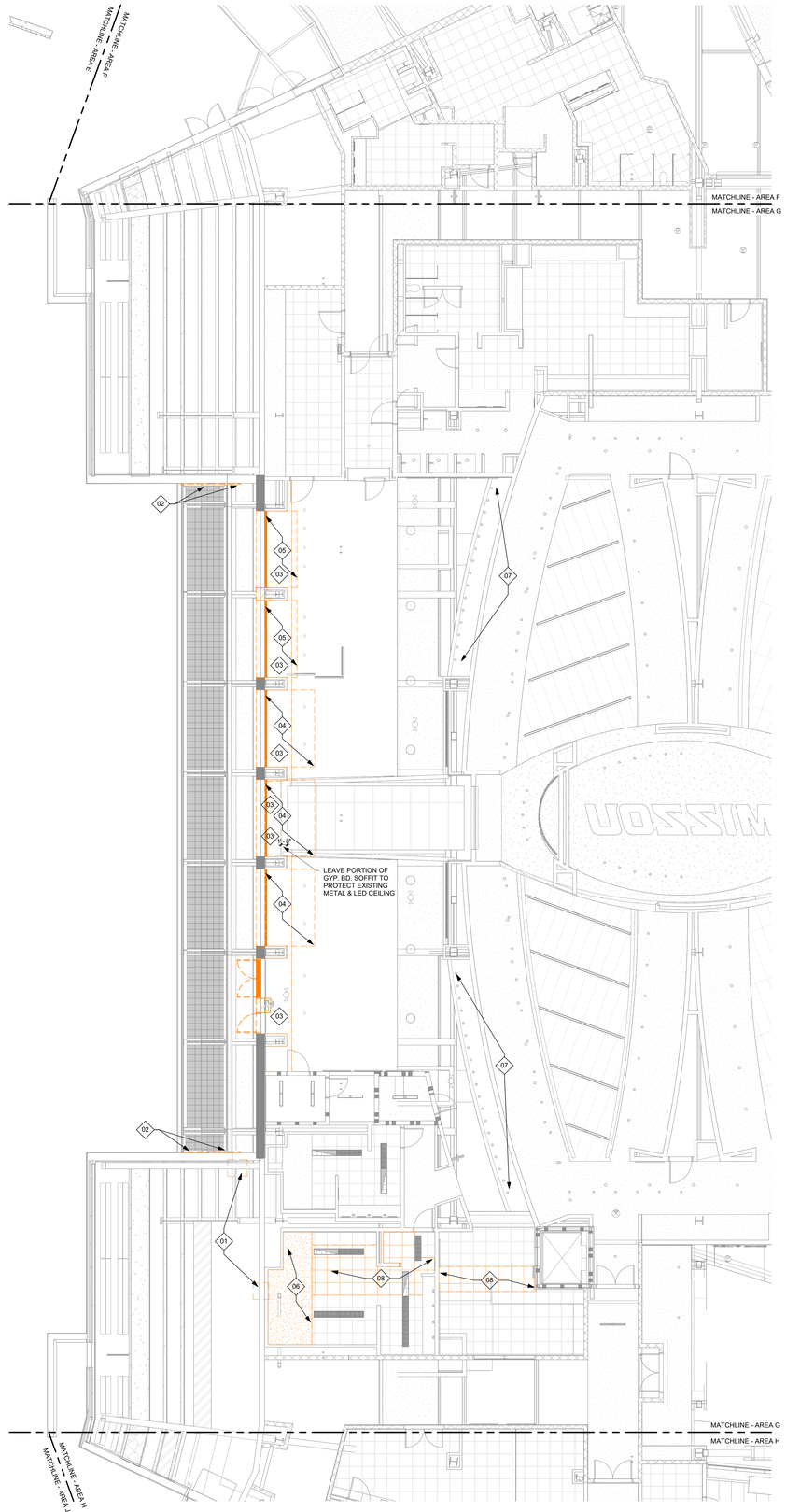

FIELD LEVEL - AREA G - RECRUITING ROOM - REFLECTED CEILING DEMO PLAN

SCALE: 1/8" = 1'-0"

DEMOLITION GENERAL NOTES

DEMOLITION NOTES APPLY TO ALL DEMOLITION SHEETS.

THE CONTRACTOR SHALL:

A. 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.
B. COORDINATE ANY DISRUPTION OF UTILITY SERVICES WITH THE OWNER AND AS SPECIFIED.
C. 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.
D. MAINTAIN A SECURE, WEATHER-TIGHT ENCLOSURE AT ALL TIMES.
E. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
F. REMOVE IN THEIR ENTIRETY ALL EXISTING WALLS, DOORS, MILLWORK, PLUMBING FIXTURES, CEILINGS, SOFFITS, MARKER BOARDS, AND OTHER ITEMS, AS REQUIRED TO EXECUTE THE DEMOLITION/CONSTRUCTION WORK DESCRIBED BY THE DRAWINGS.
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N. SEE MECHANICAL AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.
O. AVOID ANY DISTURBANCE OF SOILS WITHIN THE ZONE OF INFLUENCE AROUND EXISTING FOOTINGS AND FLOOR SLABS AS DIRECTED BY GEOTECHNICAL ENGINEER.
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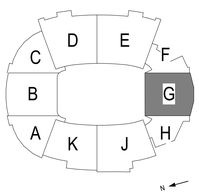
R. REMOVE WALLS INDICATED BY THE FOLLOWING LINETYPE (UNLESS NOTED OTHERWISE):

KEYNOTES - RCP DEMOLITION PLAN - CP241934

01	CMU BLOCK WALL - DEMO PORTION AS REQUIRED FOR MECHANICAL DAMPER INSTALLATION AS INDICATED ON MECHANICAL AND STRUCTURAL
02	MONITOR - REMOVE AND SALVAGE FOR REINSTALLATION
03	GYPSUM CEILING - REMOVE AND DISPOSE OF - REFER TO MEP DRAWINGS FOR EXTENT OF REMOVAL OF DEVICES WITHIN.
04	FULL HEIGHT OVERHEAD DOOR AND ASSOCIATED TRACK - REMOVE AND DISPOSE OF
05	COUNTERTOP HEIGHT OVERHEAD DOOR AND ASSOCIATED TRACK - REMOVE AND DISPOSE OF
06	GYPSUM CEILING - REMOVE PORTION AS REQUIRED FOR MECHANICAL DUCTWORK - REFER TO MEP DRAWINGS FOR EXTENT OF REQUIRED DEMOLITION
07	SOFFIT LIGHTING - EXISTING TO REMAIN
08	CEILING TILE & GRID - REMOVE AND SALVAGE AS REQUIRED FOR REINSTALLATION - REFER TO MEP DRAWINGS FOR EXTENT OF REMOVAL OF DEVICES WITHIN GRID.

KEY PLAN



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FIELD LEVEL - REFLECTED CEILING DEMOLITION PLAN - RECRUITING ROOM

A103

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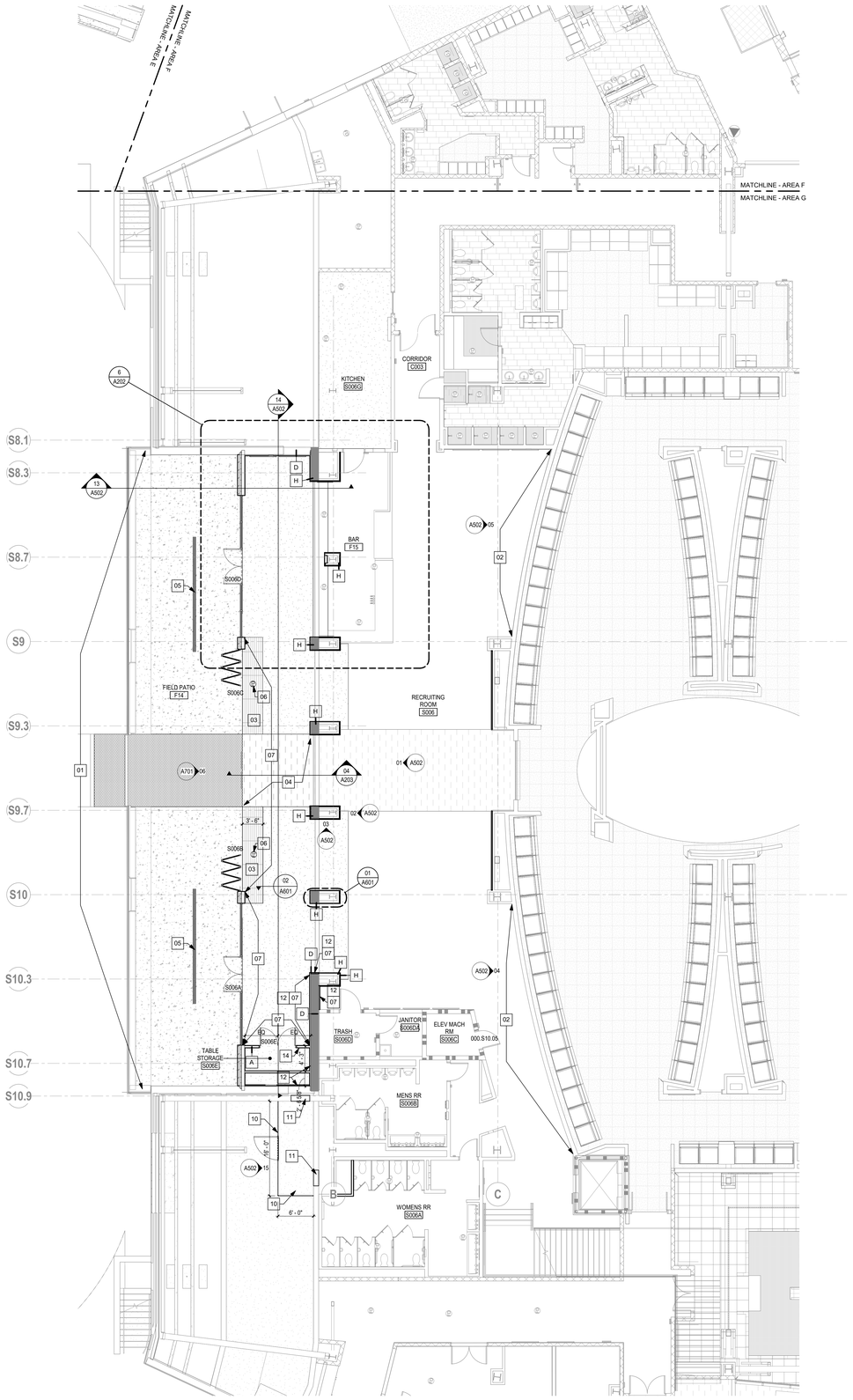
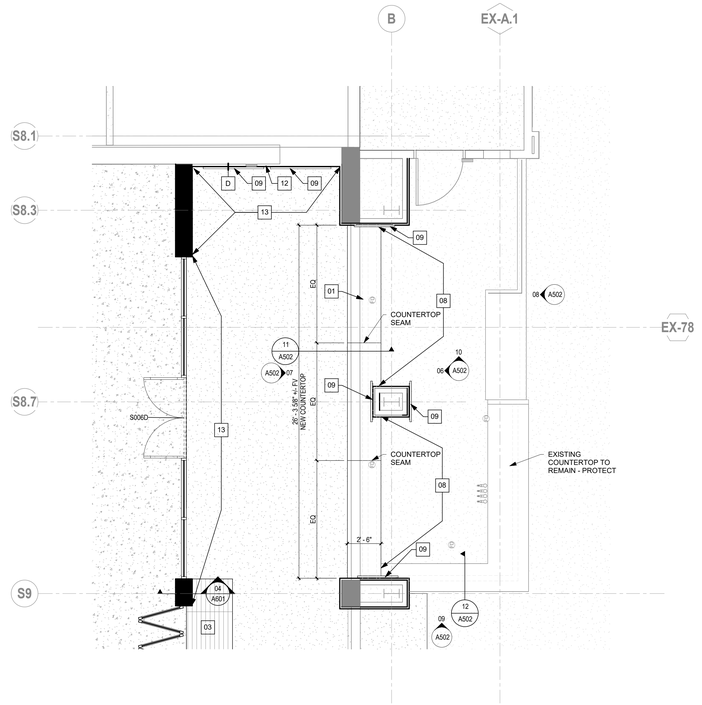
1/8"=1'-0" 0" 4'-0" 8'-0" 16'-0" 24'-0"

GENERAL ARCHITECTURAL NOTES

1. ALL INTERIOR CMU WALLS SHALL BE 8 INCHES NOMINAL THICKNESS, UNLESS NOTED OTHERWISE.
2. PARTITION TYPES SHALL BE DESIGNATED ON FLOOR PLANS (XX, X, XX). THUS: SEE SHEET XX.X FOR TYPES. ALL INTERIOR PARTITIONS ARE TYPE XX.X.XX UNLESS NOTED OTHERWISE.
3. ALL MASONRY WALLS AND INTERIOR STUD WALLS SHALL EXTEND TO UNDERSIDE OF FLOOR OR ROOF DECK ABOVE UNLESS NOTED OTHERWISE, PER PARTITION TYPE.
4. 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 DETAILS ON SHEET XX.X.
5. SEE STRUCTURAL DRAWINGS FOR BRACING OF NON-LOAD BEARING MASONRY WALLS.
6. 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.
7. GYPSUM BOARD SURFACES SHALL BE ISOLATED WITH CONTROL JOINTS WHERE SHOWN ON DRAWINGS AND AS DESCRIBED IN THE SPECIFICATIONS.
8. MASONRY CONTROL JOINTS (CJ) AND CONTROL JOINTS ABOVE (CJA) 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.
9. "MBD" AND "TBD" INDICATE MARKER BOARDS AND TACK BOARDS ON PLANS. THE LENGTH PRECEDES THE DESIGNATION (EXAMPLE: 16' MBD). ALL BOARDS ARE 4'-0" TALL. SEE WALL ELEVATIONS OR SPECIFICATIONS FOR MOUNTING HEIGHT.
10. EXTEND FURRING CHANNELS AND GYPSUM BOARD UP 4 INCHES ABOVE FINISHED CEILING ON CMU WALLS.
11. SCRIBE GYPSUM WALL BOARD OF WALLS AND PARTITIONS TO IRREGULARITIES OF DECK ABOVE. SEAL TIGHTLY AROUND ALL PENETRATIONS.
12. PROVIDE SEISMIC BRACING FOR SUSPENDED CEILINGS OR AS SHOWN ON THE DRAWINGS.





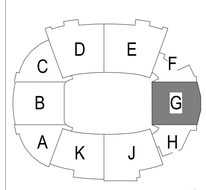
AREA G - RECRUITING ROOM - ENLARGED PLAN - BAR
SCALE: 1/4" = 1'-0"

AREA G - RECRUITING ROOM - NEW WORK PLAN
SCALE: 1/8" = 1'-0"

KEYNOTES - PLAN - CP241934

01	DRINK RAIL BARRIER WALL AND COUNTERTOP - REINSTALL IN SAME LOCATION AFTER CONCRETE WORK IS COMPLETE
02	NEW GRAPHIC WALLCOVERING - BY OWNER
03	RECESS FLOOR SLAB FOR FLOOR GRILLE INSTALLATION - REFER TO SPECIFICATIONS AND DETAIL FOR COORDINATION
04	RECESS FLOOR SLAB FOR RUBBER FLOORING INSTALLATION - REFER TO SPECIFICATIONS AND DETAIL FOR COORDINATION
05	TRENCH DRAIN - REFER TO MEP
06	FLOOR DRAIN - REFER TO MEP
07	ALL NEW DRYWALL IN RECRUITING ROOM TO HAVE LEVEL 5 FINISH
08	REINSTALL SALVAGED SSTL POST THAT SUPPORTS BAR COUNTERTOP
09	TV MONITOR - COORDINATE FINAL MOUNTING HEIGHT WITH OWNER (NIC)
10	CHAIN LINK FENCE: 6' TALL WITH 4' WIDE GATE ACCESS CENTERED ON VAV BOX. FENCE PROVIDED FOR DUCTWORK PROTECTION
11	FIRE DAMPER IN CMU OPENING - REFER TO MECHANICAL
12	1 5/8" MTL STUD FUR OUT WITH 5/8" TYP "X" GYP BD OVER EXTERIOR BRICK WALL
13	ALL NEW DRYWALL IN RECRUITING ROOM TO HAVE LEVEL 5 FINISH
14	FIRE EXTINGUISHER CABINET

KEY PLAN



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FIELD LEVEL - AREA G - RECRUITING ROOM - NEW WORK PLAN

A202

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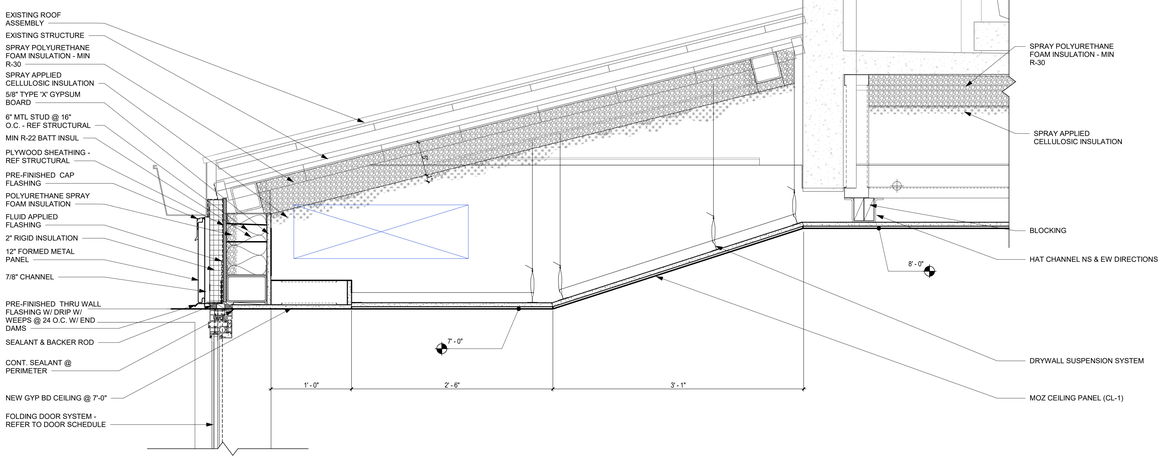
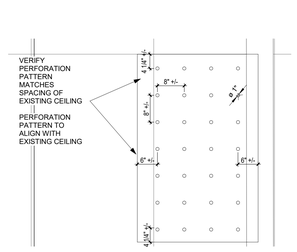
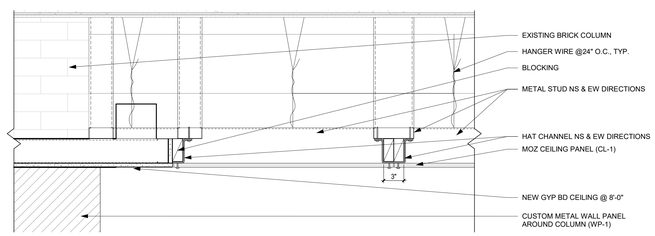


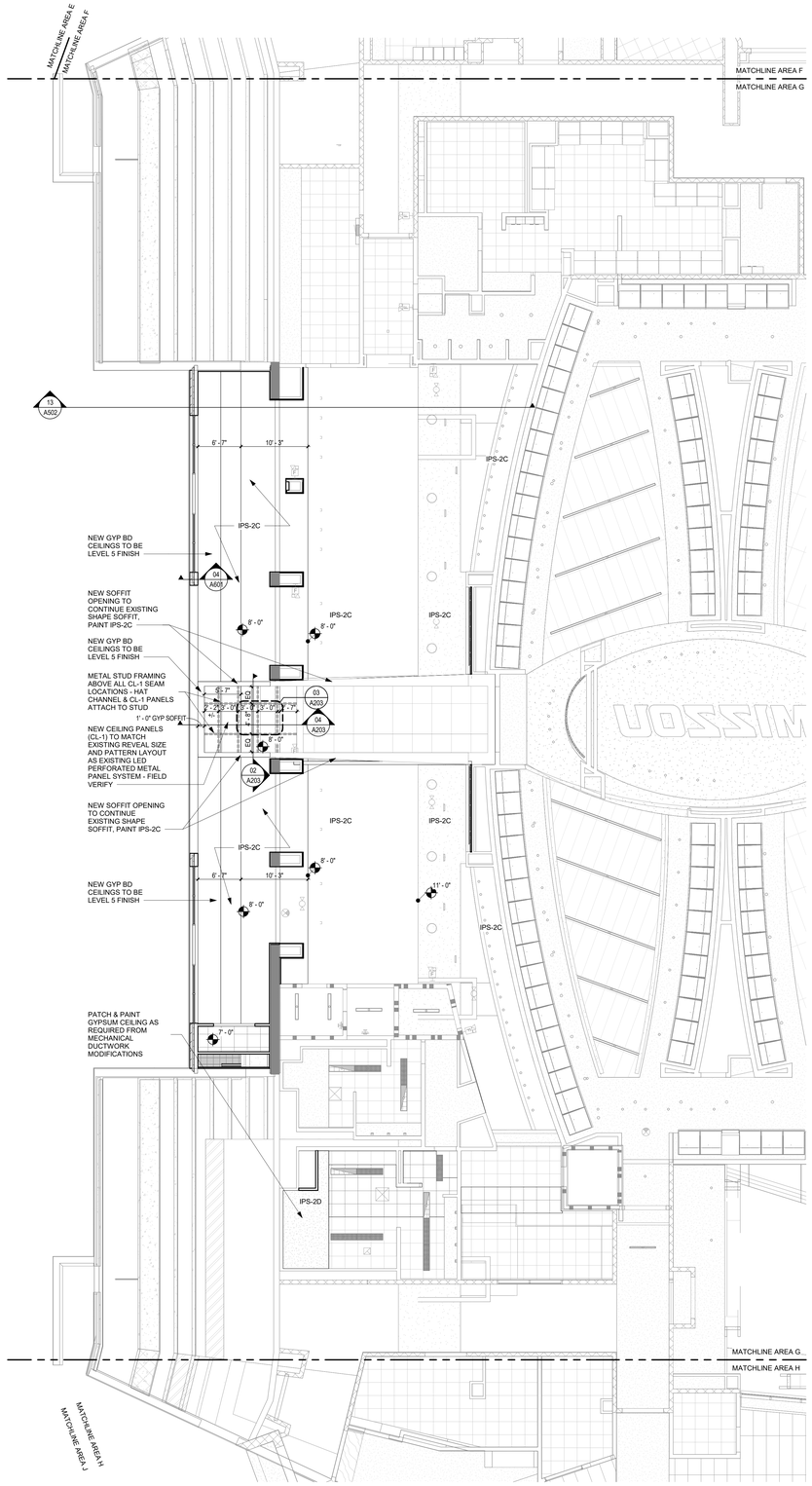
04 A203 DTL SECT @ MOZ CEILING - SLOPED SECTION
SCALE: 1 1/2" = 1'-0"



03 A203 MOZ CEILING PANEL - PATTERN (CL-1)
SCALE: 3/4" = 1'-0"

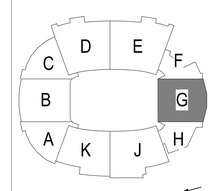


02 A203 DTL SECT @ MOZ CEILING PANELS
SCALE: 1 1/2" = 1'-0"



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

KEY PLAN



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FIELD LEVEL - AREA G - REFLECTED CEILING PLAN

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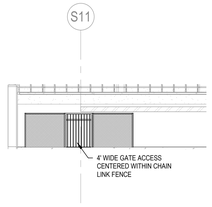
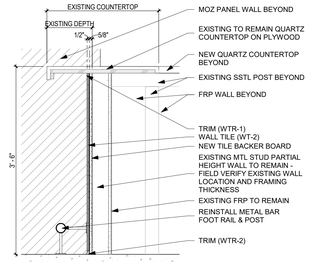
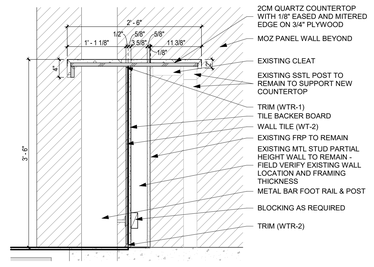
1/8"=1'-0" 0" 4'-0" 8'-0" 16'-0" 24'-0"
1/2"=1'-0" 0" 1'-0" 2'-0" 4'-0" 6'-0"
1 1/2"=1'-0" 0" 3" 6" 1'-0" 2'-0"



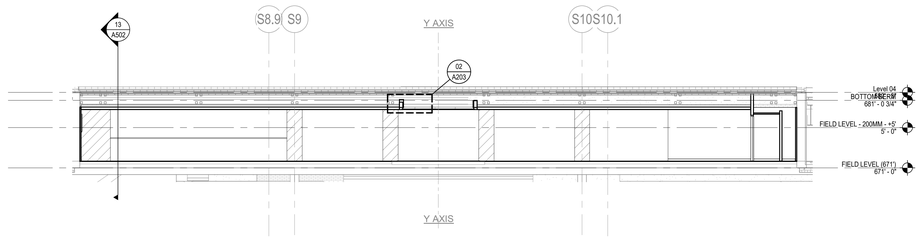
15 A502 RECRUITING ROOM - FENCE PROTECTING DUCTWORK
SCALE: 1/8" = 1'-0"



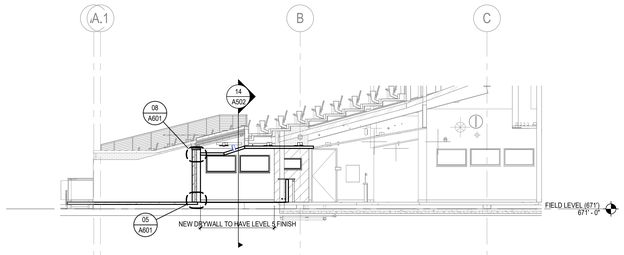
12 A502 SECTION @ RECRUITING ROOM BAR - NEW TILE FRONT
SCALE: 1" = 1'-0"



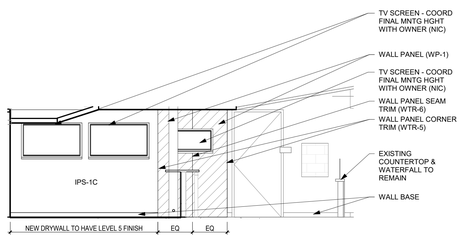
11 A502 SECTION @ RECRUITING ROOM BAR - NEW HIGH TOP
SCALE: 1" = 1'-0"



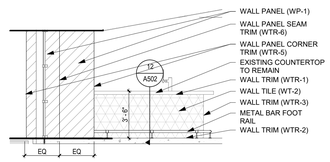
14 A502 RECRUITING ROOM SECTION 2
SCALE: 1/8" = 1'-0"



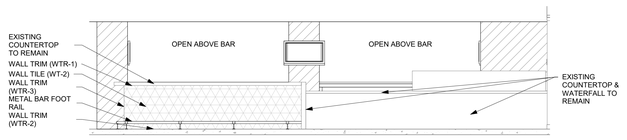
13 A502 RECRUITING ROOM SECTION 1
SCALE: 1/8" = 1'-0"



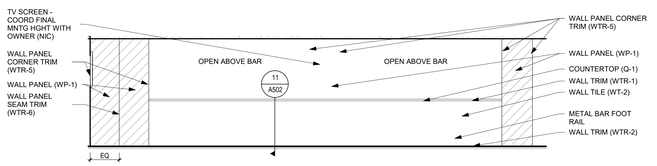
10 A502 RECRUITING BAR - EAST
SCALE: 1/4" = 1'-0"



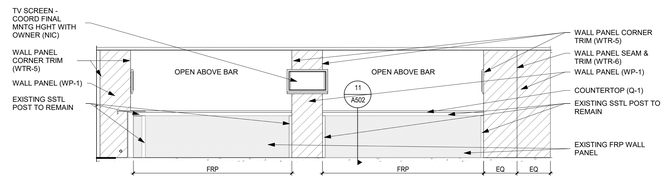
09 A502 RECRUITING BAR - PATRONS WEST
SCALE: 1/4" = 1'-0"



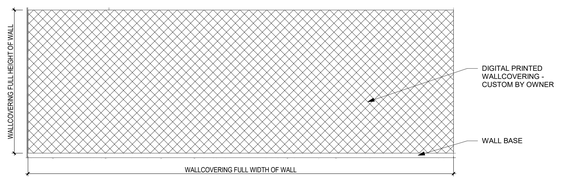
08 A502 RECRUITING BAR - PATRONS SOUTH
SCALE: 1/4" = 1'-0"



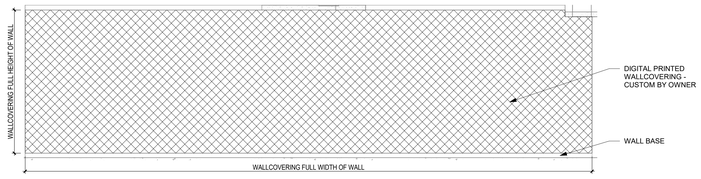
07 A502 RECRUITING BAR - PATRONS NORTH
SCALE: 1/4" = 1'-0"



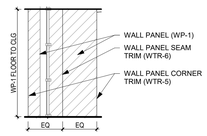
06 A502 RECRUITING BAR - INTERIOR NORTH
SCALE: 1/4" = 1'-0"



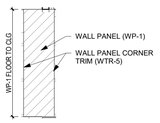
05 A502 RECRUITING GRAPHICS WALL - EAST
SCALE: 1/4" = 1'-0"



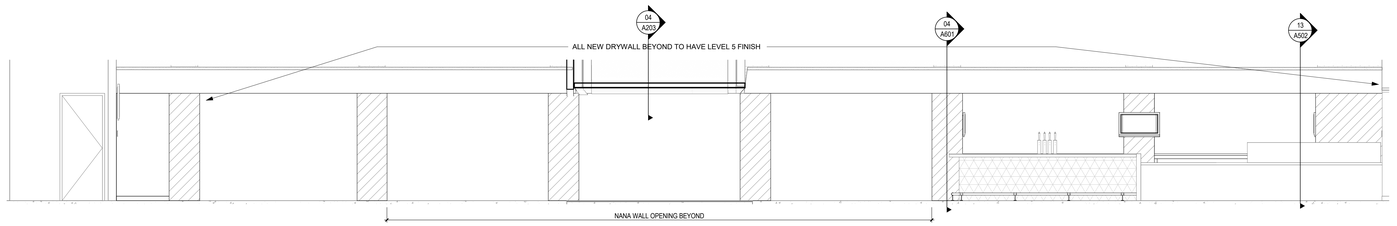
04 A502 RECRUITING GRAPHICS WALL - WEST
SCALE: 1/4" = 1'-0"



03 A502 TYPICAL COLUMN WRAP - LONG SIDES
SCALE: 1/4" = 1'-0"



02 A502 TYPICAL COLUMN WRAP - SHORT SIDES
SCALE: 1/4" = 1'-0"



01 A502 RECRUITMENT ROOM - NORTH
SCALE: 1/4" = 1'-0"

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

1/4"=1'-0" 0" 2'-0" 4'-0" 8'-0" 12'-0"

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ARCHITECT
NO. A-2008015243
REGISTERED ARCHITECT
10/02/2025
Bradley J. Stegemann - Architect
License No. A-2008015243

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

600 STADIUM BLVD
COLUMBIA, MO 65211

ISSUE FOR BID
10/02/2025

SOA 25042

INTERIOR ELEVATIONS - RECRUITING

A502

Autodesk Docs://13-24106-01 MU-Football Stadium Improvements/13-24106-01 MU Stadium Existing_AR_2024.rvt
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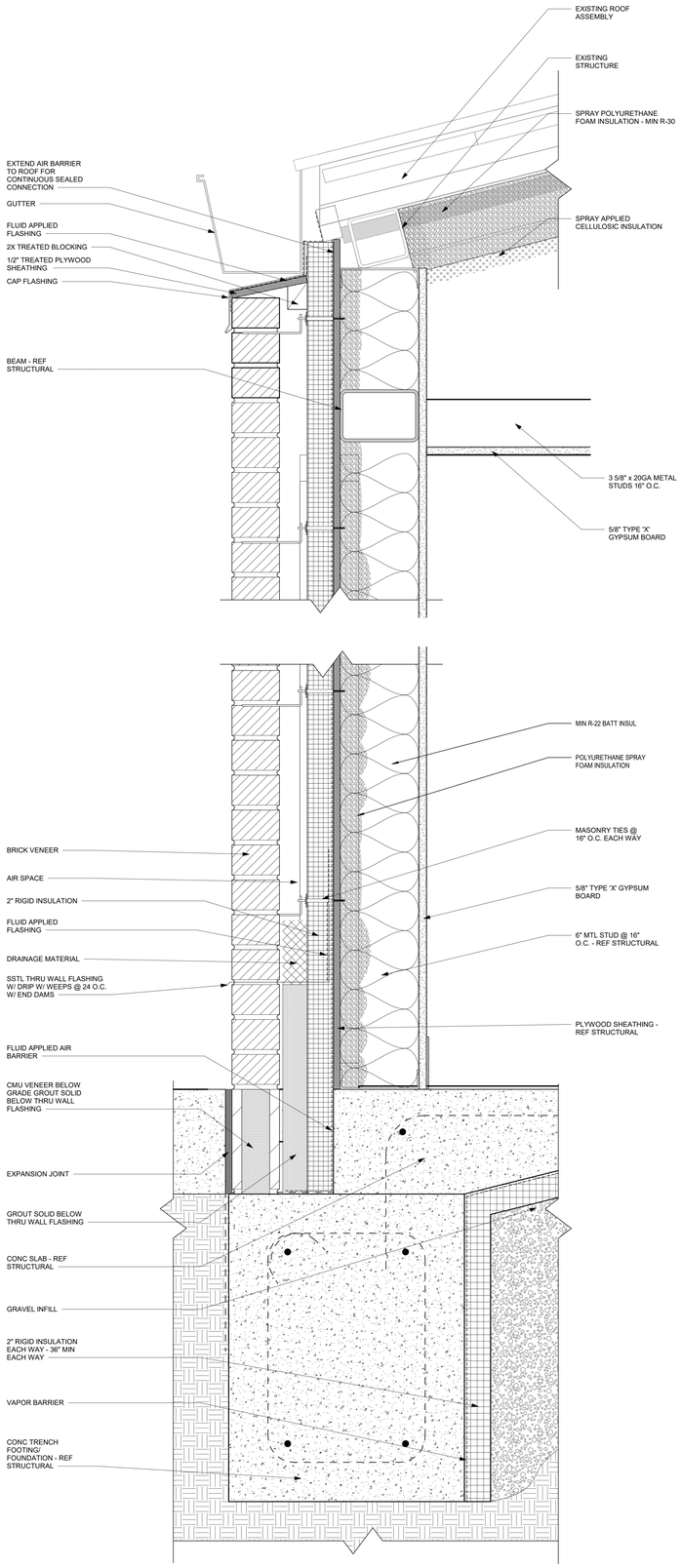
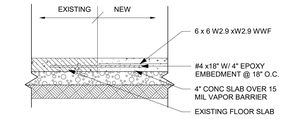
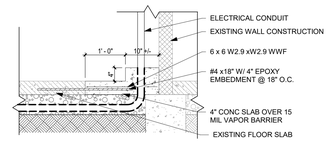


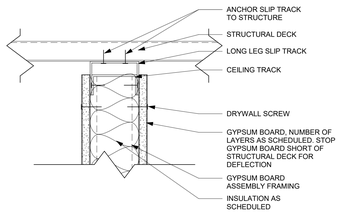
04 A601 WALL SECTION
SCALE: 3" = 1'-0"



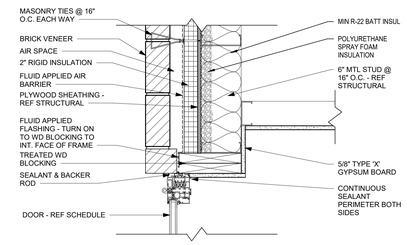
10 A601 TYP DTL SECT - CONC TRENCH INFILL
SCALE: 3/4" = 1'-0"



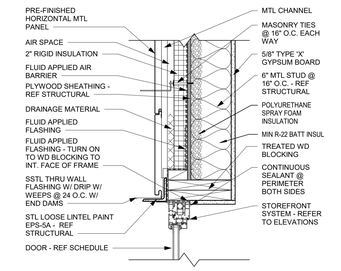
09 A601 TYP DTL SECT - ELECTRICAL CONDUIT CURB
SCALE: 3/4" = 1'-0"



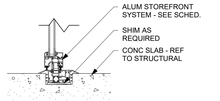
07 A601 WALL HEAD DEFLECTION JOINT - NON-RATED
SCALE: 3" = 1'-0"



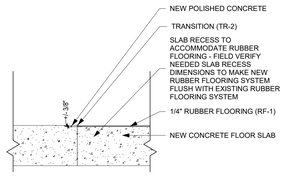
06 A601 JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



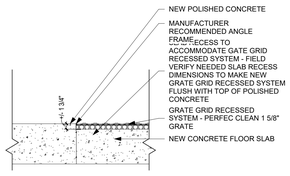
08 A601 HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



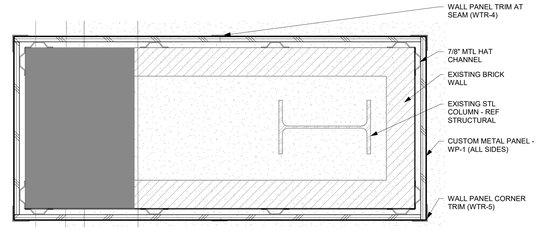
05 A601 SILL DETAIL
SCALE: 1 1/2" = 1'-0"



03 A601 CONC SLAB RECESS @ RUBBER FLOOR - RECRUITING
SCALE: 3/4" = 1'-0"



02 A601 CONC SLAB RECESS @ FLOOR GRILLES - RECRUITING
SCALE: 3/4" = 1'-0"



01 A601 TYP. COLUMN - RECRUITING ROOM
SCALE: 1 1/2" = 1'-0"

3/4"=1'-0" 0" 6" 1'-0" 2'-0" 4'-0"
1 1/2"=1'-0" 0" 3" 6" 1'-0" 2'-0"
3"=1'-0" 0" 2" 4" 8" 1'-0"

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BRADLEY J. STEGEMANN
NUMBER A-2008015243
REGISTERED ARCHITECT
10/02/2025

Bradley J. Stegemann - Architect
License No. A-2008015243

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

600 STADIUM BLVD
COLUMBIA, MO 65211

ISSUE FOR BID
10/02/2025

SOA 25042

DETAILS

A601

Autodesk Docs://13-24106-01 MU-Football Stadium Improvements/13-24106-01 MU Stadium Existing_AR_2024.rvt
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DOOR AND FRAME SCHEDULE GENERAL NOTES

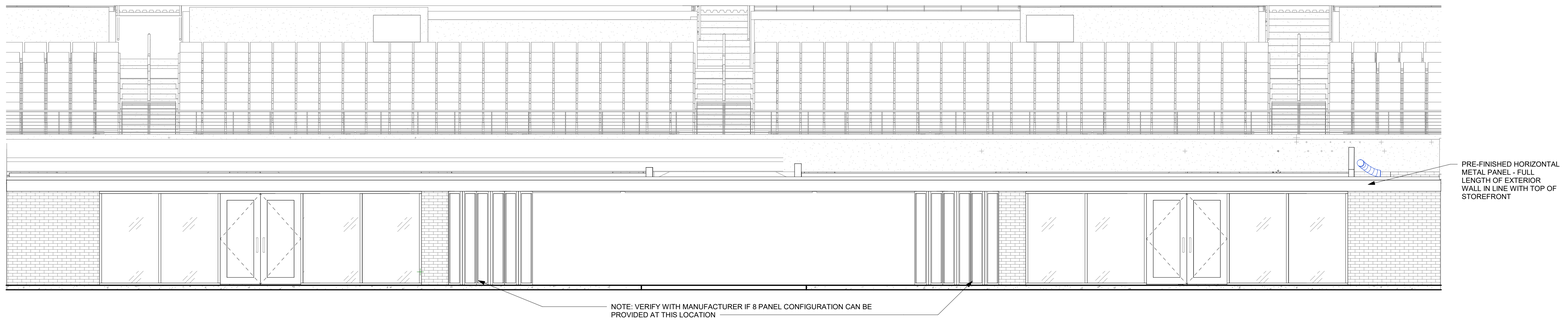
A. ALL EXTERIOR HOLLOW METAL FRAMES SHALL BE FILLED WITH INSULATION.
B. ALL INTERIOR HOLLOW METAL FRAMES SET IN MASONRY AND CONCRETE WALLS SHALL BE GROUTED SOLID.
C. ALL HOLLOW METAL FRAMES SET IN METAL STUD WALLS SHALL BE FILLED WITH MINERAL WOOL BLANKET INSULATION.
D. ALL EXTERIOR FRAMES SHALL BE INSTALLED WITH 1/4" SHIM AND SEALANT AROUND PERIMETER OF FRAME.
E. MASONRY LINTELS AND STEEL LINTELS ARE SHOWN ON STRUCTURAL DRAWINGS.
F. 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.
G. FOR COILING 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.
H. 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.
I. PROVIDE HEAD RECEIVERS AT ALUMINUM STOREFRONTS AND CURTAIN WALLS AS REQUIRED FOR STRUCTURAL DEFLECTION ALLOWANCE.
J. SEE SPECIFICATIONS HARDWARE SECTION FOR HARDWARE SETS NOTED IN DOOR AND FRAME SCHEDULE.

DOOR PANEL TYPE DESCRIPTIONS

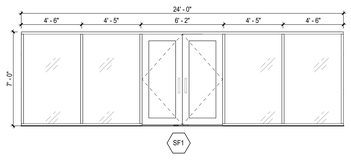
DG	DUAL LITE GLASS
F	FLUSH PANEL
FG	FULL LITE GLASS
FL	FULL LOUVERED
G	HALF LITE GLASS
GL	HALF LITE GLASS & LOUVERED
L	LOUVERED (BOTTOM)
LL	LOUVERED (TOP & BOTTOM)
N	NARROW LITE GLASS
NL	NARROW LITE GLASS & LOUVERED
TL	LOUVERED (TOP)
V	VISION LITE GLASS (10" SQUARE)
VL	VISION LITE GLASS & LOUVERED

GLAZING TYPE DESCRIPTIONS

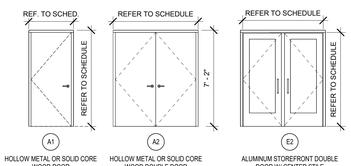
CG	CLEAR FLOAT GLASS
CIG	CLEAR INSULATING GLASS
CTG	CLEAR TEMPERED FLOAT GLASS
CTIG	CLEAR TEMPERED INSULATING GLASS
GL	GLASS
IIP	INSULATED INFILL PANEL GLASS
LG	LAMINATED GLASS
PG	PATTERN GLASS
PIG	PATTERN INSULATING GLASS
SG	SPANDREL GLASS
SG	SPECIALTY GLASS
TFG	TINTED FLOAT GLASS
TG	TEMPERED GLASS
TIG	TINTED INSULATING GLASS
TTG	TINTED TEMPERED FLOAT GLASS
TTIG	TINTED TEMPERED INSULATING GLASS
WG	POLISHED WIRE GLASS



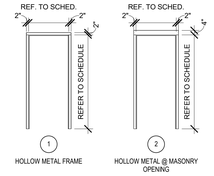
06 A701 RECRUITING PATIO - SOUTH
SCALE: 1/4" = 1'-0"



STOREFRONT ELEVATION TYPES
SCALE: 1/4" = 1'-0"



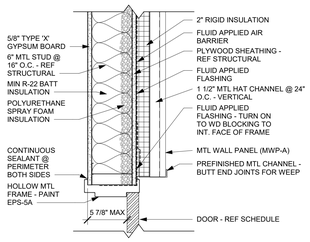
DOOR TYPES
SCALE: 1/4" = 1'-0"



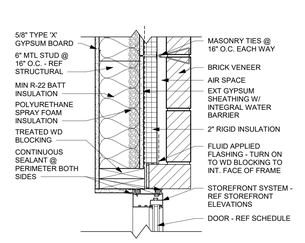
FRAME TYPES
SCALE: 1/4" = 1'-0"

DOOR AND FRAME SCHEDULE

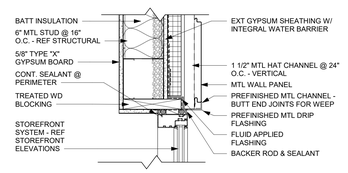
NUMBER	PANEL NO. OF PANELS	PANEL WIDTH	PANEL HEIGHT	PANEL THICKNESS	PANEL MATERIAL	PANEL GLASS	PANEL TYPE	FRAME MATERIAL	FRAME TYPE	FIRE RATING	HARDWARE SET	DETAILS HEAD	DETAILS JAMB LEFT	DETAILS JAMB RIGHT	DETAILS SILL	COMMENTS
S006A	2	6' - 0"	7' - 0"	1 3/4"	ALUM	CTIG	E2	ALUM	SF1		6	03	04	04		
S006B	6	3' - 5 3/256"	7' - 0"	2"	ALUM	CTIG	Stacking	ALUM			5	03	04	-	02/A.9.1	
S006C	6	3' - 5 3/256"	7' - 0"	2"	ALUM	CTIG	Stacking	ALUM			5	03	-	04	02/A.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		



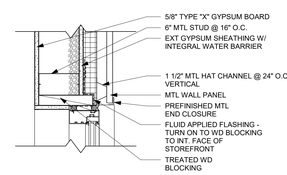
05 A701 EXT STUD - TYP DOOR JAMB @ MWP
SCALE: 1 1/2" = 1'-0"



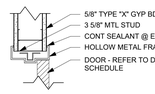
04 A701 EXT STUD - TYP DOOR JAMB @ BRICK
SCALE: 1 1/2" = 1'-0"



03 A701 EXT STUD - TYP STOREFRONT HEAD @ MWP
SCALE: 1 1/2" = 1'-0"



02 A701 EXT STUD - TYP STOREFRONT JAMB @ MWP
SCALE: 1 1/2" = 1'-0"



01 A701 INT STUD - DOOR HEAD/JAMB DETAIL, TYP
SCALE: 1 1/2" = 1'-0"

1/4"=1'-0" 0" 2'-0" 4'-0" 8'-0" 12'-0"

1 1/2"=1'-0" 0" 3" 6" 1'-0" 2'-0"

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BRADLEY J. STEGEMANN
LICENSED ARCHITECT
A-2008015243
10/02/2025
Bradley J. Stegemann - Architect
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MEMORIAL STADIUM FACILITIES
SEZ RECRUITING ROOM FITOUT
UNIVERSITY PROJECT NUMBER: CP241934
600 STADIUM BLVD
COLUMBIA, MO 65211

ISSUE FOR BID
10/02/2025

SOA 25042

DOOR & FRAME TYPE & SCHEDULE

A701

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GENERAL FINISH KEY:

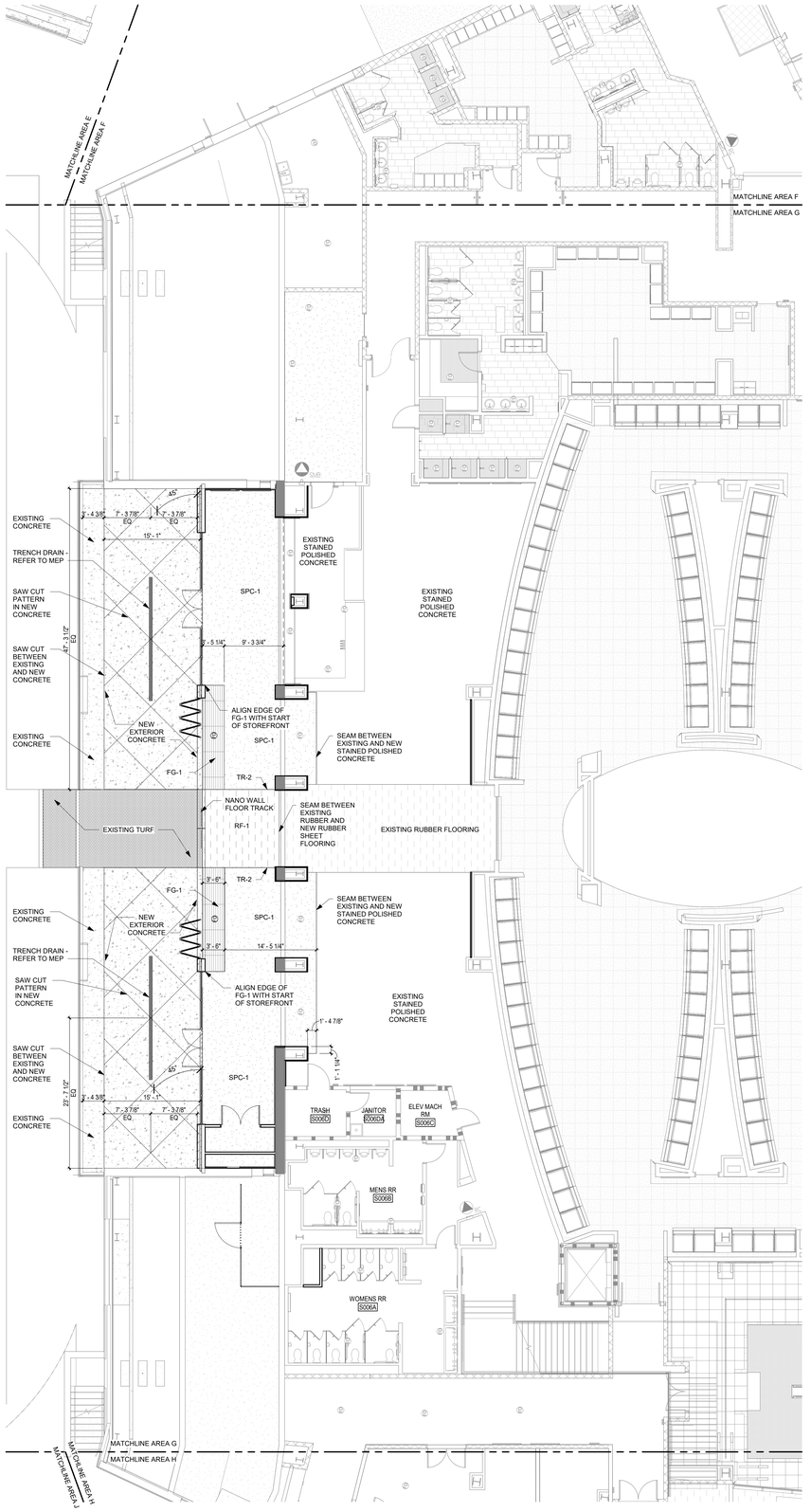
FLOORS:
- CT- CARPET TILE
- RF- RUBBER FLOORING
- SC- SEALED CONCRETE
- SPC- SEALED POLISHED CONCRETE
- FG- FLOOR GRILLES

BASE:
- RB- RESILIENT WALL BASE

WALLS:
- IPS-1 EGGSHELL EPOXY PAINT ON GYP
- IPS-3 EGGSHELL EPOXY PAINT ON CMU
- WC- WALLCOVERING - TYPE II VINYL
- WT- PORCELAIN OR CAST METAL WALL TILE
- WP- WALL PANEL - METAL
- FRP- FIBER-REINFORCED PLASTIC PANELS

CEILINGS:
- ACT- ACOUSTICAL CEILING TILE
- CL- CEILING PANELS - METAL
- IPS-2 DRYFALL PAINT OR EGGSHELL EPOXY ON GYP

MISC:
- IPS-5 SEMI-GLOSS ENAMEL ON METAL
- PL- PLASTIC LAMINATE
- SS- SOLID SURFACE COUNTERTOPS
- ST- STAINLESS STEEL COUNTERTOPS
- Q- QUARTZ COUNTERTOPS
- B- METAL SUPPORT BRACKET
- TP- TOILET PARTITION - SOLID PLASTIC PARTITION
- CG- CORNER GUARD
- TR- FLOOR TRANSITIONS
- WTR- WALL TRANSITIONS

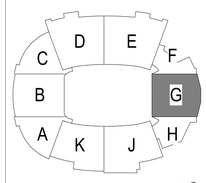


FIELD LEVEL - AREA G - RECRUTING ROOM - FINISH FLOOR PLAN
SCALE: 1/8" = 1'-0"

RENDERINGS FOR REFERENCE ONLY
A702 NO SCALE

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

KEY PLAN



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FINISH FLOOR PLANS - AREAS E & G

A702

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INTERIOR FINISH KEY

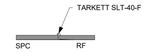
CODE	TYPE	MANUFACTURER	PATTERN	COLORWAY	SIZE	INSTALLATION METHOD	LOCATIONS
FLOORING:							
RF-1	RUBBER FLOORING	ALLIED INDUSTRIES	ECO-GRIP SLIP RESISTANT SAFETY FLOORING	CHARCOAL	SHEET SIZE 60"X96", 1/4" THICKNESS	REFER TO FLOOR PLAN FOR SLAB RECESS INFORMATION AND SPEC FOR INSTALLATION REQUIREMENTS. INSTALLED IN RECESSED PORTION OF FLOOR SLAB. REF FINISH FLOOR PLAN DWGS FOR FLOORING EXTENTS	RECRUITING ROOM
SC-1	SEALED CONCRETE		ADD TEXTURE FOR SLIP RESISTANCE	CLEAR SEALER, PREMIUM QUALITY, LOW VOC		NEW CONCRETE FLOORS	
SPC-1	STAINED POLISHED CONCRETE	PERFECT CC MIDWEST, INC.	SILEX POLISHING SYSTEM W/ AMERIPOLISH DYE	BLACK		TEXTURE AND COLOR TO MATCH EXISTING FLOOR	RECRUITING ROOM (NEW CONCRETE FLOOR)
FG-1	FLOOR GRILLES	MATS INC.	GRATE GRID RECESSED SYSTEM - PERFEC CLEAN 1-5/8" GRATE: 42A ALUMINUM RECESSED ANGLE FRAME	MAT INSERT: POLYPROPYLENE BRUSH, JET BLACK	1-15/16" DEEP CONCRETE RECESS TO RECEIVE THE PIT EMBEDED FRAME. RIGID GRATE SPACING 1-1/2" CENTER TO CENTER WITH POLY BRUSH INSERTS, 3/16" SPACING BETWEEN RIGID WELDED GRATES	REFER TO FLOOR PLAN FOR SLAB RECESS INFORMATION AND SPEC FOR INSTALLATION REQUIREMENTS. INSTALLED IN RECESSED PORTION OF FLOOR SLAB. REF FINISH FLOOR PLAN DWGS FOR FLOORING EXTENTS	RECRUITING ROOM FLOOR GRILLES (MATCH EXISTING GRILLES)
WALL BASE, FLOOR TRANSITIONS AND WALL TRANSITIONS:							
RB-1	RESILIENT WALL BASE	JOHNSONITE/ TARKETT	TRADITIONAL RUBBER WALL BASE, PROFILE: COVE BASE	40 BLACK	4" H, 1/8" INCH THICK, 75' COILED LENGTHS		GENERAL WALL BASE - CONCRETE FLOOR AREAS
RB-2 (NOT USED)	RESILIENT WALL BASE	JOHNSONITE/ TARKETT	TRADITIONAL RUBBER WALL BASE, PROFILE: STRAIGHT	40 BLACK	4" HEIGHT, 1/8" INCH THICK, 75' COILED LENGTHS		GENERAL WALL BASE - AREAS WITH NEW CARPET
TR-1 (NOT USED)	FLOOR TRANSITIONS	JOHNSONITE/ TARKETT	SLT-40-L or SLT-40-J	40 BLACK			CARPET TO SEALED CONCRETE
TR-2	FLOOR TRANSITIONS	JOHNSONITE/ TARKETT	SLT-40-F	40 BLACK			STAINED POLISHED CONCRETE TO RUBBER TILE
WTR-1	WALL TRANSITIONS	SCHLUTER	SCHIENE	BRUSHED NICKEL ANODIZED ALUMINUM (ATGB)			TOP CAP AT WALL TILE
WTR-2	WALL TRANSITIONS	SCHLUTER	DILEX-AHKA	BRUSHED NICKEL ANODIZED ALUMINUM (ATGB)	AHKA (tile height) ATGB	DILEX SYSTEM TO INCLUDE: OUTSIDE CORNER CONNECTOR, INSIDE CORNER CONNECTOR, INSIDE CORNER VERTICAL DILEX TRIM. OUTSIDE CORNER VERTICAL QUADEC TRIM (WTR-3) ***COMPLETE DILEX SYSTEM TO BE INCLUDED***	WALL TILE TO NEW OR EXISTING SEALED CONCRETE
WTR-3	WALL TRANSITIONS	SCHLUTER	QUADEC	BRUSHED NICKEL ANODIZED ALUMINUM (ATGB)			OUTSIDE CORNERS OF WALL TILE AT BAR FRONT
WTR-4 (NOT USED)	WALL TRANSITIONS	SCHLUTER	DILEX-AHK	BRUSHED NICKEL ANODIZED ALUMINUM (ATGB)	AHK 1S (tile height) ATGB	DILEX SYSTEM TO INCLUDE: OUTSIDE CORNER CONNECTOR, INSIDE CORNER CONNECTOR, INSIDE CORNER VERTICAL DILEX TRIM. OUTSIDE CORNER VERTICAL QUADEC TRIM (WTR-3) ***COMPLETE DILEX SYSTEM TO BE INCLUDED***	FLOOR TILE TO FLOOR TILE
WTR-5	WALL TRANSITIONS	MOZ PANEL TRIM		FINISH TO MATCH WP-1	ALUMINUM CORNER TRIM 1"X1"X0.125" THICKNESS		MOZ PANEL CORNER TRIM
WTR-6	WALL TRANSITIONS	MOZ PANEL TRIM		FINISH TO MATCH WP-1	ALUMINUM SEAM TRIM 1" WIDE X 0.125" THICKNESS		MOZ PANEL SEAM TRIM
CEILINGS:							
ACT-1	ACOUSTICAL CEILING TILE	ARMSTRONG	ULTIMA BEVELED TEGULAR #1902	WHITE	2' x 2'	GRID: WHITE OR SUPRAFINE 9/16"	NEW ACT CEILINGS
ACT-2 (NOT USED)	ACOUSTICAL CEILING TILE	AMSTRONG	*CERAMAGUARD UNPERFORATED #605*	WHITE	2' x 2'	GRID: WHITE OR PRELUDE 15/16"	SHOWER ROOM CEILINGS
CL-1	CEILING PANELS - METAL PANELS W/CIRCULAR PATTERN	MOZ - METAL PANELS ON HAT CHANNEL PANEL SYSTEM	CUSTOM PERFORATED WITH 1" DIAMETER ROUND HOLES (8" O.C.), PATTERN TO MATCH EXISTING CEILING. PREFINISHED ALUMINUM LASER CUT METAL PANELS	COLOR: SW6991, BLACK MAGIC TO MATCH BLACK GYP CEILINGS. POLYCOAT MATTE OR POWDER COAT MATTE.	CUSTOM SIZE PANELS: REFER TO RCP DRAWINGS AND DETAILS. 4'x8' SHEET SIZE CUT TO SIZE. 0.09" MINIMUM THICKNESS	COORDINATE SIZE OF PANELS - NEW PANELS TO MATCH EXISTING PANEL SIZES AND REVEAL. ADJUST REVEAL WIDTH OF NEW CEILING TO ALIGN WITH EXISTING CEILING	RECRUITING ROOM
IPS-2A (NOT USED)	CEILING DRYFALL PAINT	BENJAMIN MOORE		OC-54, WHITE WISP			EXPOSED PAINTED CEILINGS IN CONCESSIONS
IPS-2B (NOT USED)	CEILING DRYFALL PAINT	BENJAMIN MOORE		1596 NIGHTFALL			EXPOSED PAINTED CEILINGS IN CONCOURSE RESTROOMS
IPS-2C	CEILING DRYFALL PAINT	SHERWIN WILLIAMS		SW6991, BLACK MAGIC			EXPOSED PAINTED CEILINGS IN RECRUITING ROOM (BLACK)
IPS-2D (NOT USED)	EGGSHELL EPOXY ON GYP. BD.	SHERWIN WILLIAMS		NOT USED			SOFFITS IN RECRUITING ROOM RESTROOMS
WALLS:							
IPS-1A	EGGSHELL EPOXY ON GYP. BD.	BENJAMIN MOORE		OC-54, WHITE WISP			WHITE FIELD COLOR
IPS-1B (NOT USED)	EGGSHELL EPOXY ON GYP. BD.	SHERWIN WILLIAMS		SW6130, MANNERED GOLD			ACCENT COLOR (GOLD)
IPS-1C	EGGSHELL EPOXY ON GYP. BD.	SHERWIN WILLIAMS		SW6991, BLACK MAGIC			RECRUITING ROOM WALLS FIELD COLOR (BLACK)
IPS-3A (NOT USED)	EGGSHELL EPOXY ON CMU	BENJAMIN MOORE		OC-54, WHITE WISP			WHITE FIELD COLOR
IPS-3B (NOT USED)	EGGSHELL EPOXY ON CMU	BENJAMIN MOORE		1597 NIGHTFALL			CONCOURSE RESTROOM WALLS (DARK GRAY)
IPS-3C (NOT USED)	EGGSHELL EPOXY ON CMU	SHERWIN WILLIAMS		SW7669, SUMMIT GRAY			CONCOURSE RESTROOM WALLS (LIGHTER GRAY)
IPS-3D (NOT USED)	EGGSHELL EPOXY ON CMU	SHERWIN WILLIAMS		SW6130, MANNERED GOLD			CONCOURSE RESTROOM WALLS (GOLD)
WT-1 (NOT USED)	WALL TILE	TILEBAR	ERA	LINEN WHITE	12" X 24"	HORIZONTAL ALIGNED	RESTROOMS
	GROUT COLOR FOR WT-1: CHARCOAL GREY			EPOXY, EXACT COLOR TO BE SELECTED			
WT-2	WALL TILE	DALTILE	INDUSTRIAL METAL	IRON IM21	MIXED TRAPEZOID MOSAIC		RECRUITING ROOM BAR - ACCENT
	GROUT COLOR FOR WT-2: CHARCOAL GREY			EPOXY, EXACT COLOR TO BE SELECTED			
WP-1	WALL PANEL - METAL	MOZ - CUSTOM METAL PANELS	SOLID CORE ALUMINUM ASTM B209	MOZ: PATINA / BLENDZ COLLECTION: BLACK PATINA + PATINA 212 D	4' X 8' SHEET, 0.040" (1.016mm) THICKNESS, ADHERED TO 3/4" PLYWOOD PANELS	REFERENCE INTERIOR ELEVATIONS FOR SEAM AND LOCATION OF WTR-5 & WTR-6	RECRUITING - COLUMNS
CASEWORK:							
Q-1	QUARTZ COUNTERTOPS	DIRESCO	QUARTZ	COLOR: BEACH MEDIUM GREY, A600 FINISH: POLISHED (FIELD VERIFY FINISH MATCHES EXISTING COUNTERTOPS)	SLAB (125"X61") 2cm (0.79") Thickness		RECRUITING ROOM BAR TOP
MISC FINISHES							
IPS-5A	SEMI GLOSS ENAMEL ON METAL	MATCH EXISTING BLACK OR SHERWIN WILLIAMS		MATCH EXISTING BLACK OR SW6991, BLACK MAGIC			HOLLOW METAL DOORS AND FRAMES: MATCH EXISTING BLACK DOOR FRAME COLOR
DOOR FINISH	PRE-FINISHED WOOD DOORS	MATCH EXISTING	MATCH EXISTING	MATCH EXISTING			RECRUITING ROOM WOOD DOORS
FRP-1	FIBER REINFORCED PANEL	MARLITE	SMOOTH SURFACE	S 807N BLACK	4' X 8' SHEETS, 0.09" THICKNESS, ALL SEAM TREATMENTS AND MOLDINGS TO BE BLACK	REFER TO INTERIOR ELEVATIONS	RECRUITING ROOM BAR
CG-1	STAINLESS STEEL CORNER GUARD	INPRO	2" STAINLESS STEEL	STAINLESS STEEL, SATIN	48" HEIGHT	INSTALL ABOVE BASE	DRYWALL CORNERS
METAL BAR FOOT RAILS		OUTWATER INDUSTRIES	SKU: S83-200-KIT12-SC-PKIT COMPLETE BAR FOOT RAIL KIT	STAINLESS STEEL, SATIN	2" Dia. X Max lengths (4', 6', 8',12'L)		RECRUITING ROOM BAR

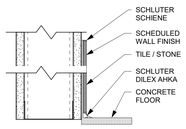
ROOM FINISH SCHEDULE CP241934

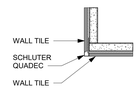
ROOM NUMBER	ROOM NAME	AREA	FLOOR FINISH	BASE FINISH	WALL NORTH	WALL EAST	WALL SOUTH	WALL WEST	CEILING FINISH	COMMENTS
C003	CORRIDOR	143 SF	EXIST SPC	RB-1	-	-	-	-	EXIST	
F14	FIELD PATIO	1971 SF	NEW EXTERIOR CONCRETE	-	-	BRICK	BRICK, MTL PANELS, GLAZING	BRICK	-	
F15	BAR	334 SF	EXIST SPC	RB-1	IPS-1C, WP-1	IPS-1C, WP-1	IPS-1C, WP-1	IPS-1C, WP-1	REFER TO RCP	
S006	RECRUITING ROOM	4965 SF	EXIST SPC, SPC-1, FG-1, RF-1	RB-1	IPS-1C, WP-1, GLAZING	IPS-1C, WP-1	IPS-1C, WP-1, EXIST WOOD, WC	IPS-1C, WP-1, EXIST WOOD TILE	REFER TO RCP	
S006A	WOMENS RR	449 SF	EXIST SPC	EXIST	IPS-1A	IPS-1A	-	-	EXIST	
S006B	MENS RR	249 SF	EXIST SPC	EXIST	-	-	-	-	EXIST	
S006D	TRASH	71 SF	EXIST	EXIST	-	-	-	-	EXIST	
S006DA	JANITOR	53 SF	EXIST	EXIST	-	-	-	-	EXIST	
S006E	TABLE STORAGE	43 SF	SPC-1	RB-1	IPS-1C	IPS-1C	IPS-1C	IPS-1C	ACT-1	
S006G	KITCHEN	365 SF	EXIST RESINOUS	EXIST	-	-	-	-	EXIST	

INTERIOR SYMBOLS LEGEND

- SHADED AREAS ARE NOT INCLUDED IN SCOPE OF WORK FOR INTERIOR RENOVATION
- 1 — KEYED NOTE
- FLOORING INSTALLATION DIRECTION. INSTALL PARALLEL WITH DIRECTION OF SYMBOL
- XX-# — LOCATION OF FLOORING MATERIAL TRANSITION
- XX-# — SPECIFIED FINISH, REFERENCE FINISH SCHEDULE IF NOT NOTED
- CG — CORNER GUARD LOCATION
- XX-# — EXTENTS OF WALL FINISH







GENERAL FINISH NOTES:

1. ANY PROPOSED FINISH SUBSTITUTIONS SHALL BE SUBMITTED TO INTERIOR DESIGNER FOR APPROVAL PRIOR TO BIDDING. ALL SUBMITTALS MUST INCLUDE ACTUAL SAMPLES AND COMPLETE SPECIFICATIONS. ALL SUBSTITUTIONS MUST BE APPROVED IN WRITING.
2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING AND CONFIRMING ALL SUBSTRATE CONDITIONS WHERE NEW MATERIALS ARE APPLIED. SUBSTRATE SHALL BE SMOOTH, FREE OF DEFECTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE FINISH MATERIAL MANUFACTURER RECOMMENDATIONS.
3. ALL FINISH MATERIALS SHALL BE INSTALLED PER THE MANUFACTURER'S WRITTEN INSTRUCTIONS TO COMPLY WITH WARRANTY INFORMATION AND LOCAL CODES.
4. THE CONTRACTOR SHALL PROVIDE THE BUILDING OWNER WITH WRITTEN INSTRUCTIONS ON THE CARE AND CLEANING OF ALL FINISH MATERIALS AN FIXTURES.
5. FLOORING CHANGES TO TRANSITION AT CENTER OF DOOR FRAME UNLESS OTHERWISE NOTED ON THE FINISH PLAN. GC TO PROVIDE MOCK UP OF EACH FLOORING TRANSITION TYPE FOR APPROVAL
6. ALL COUNTER BACKSPLASHES ARE TO BE 4" TALL AND SAME MATERIALS AS THE COUNTER, U.N.O.
7. FOR FLOOR AND WALL BASE TRANSITION DETAILS REFERENCE SHEET A703, DESIGNER SHALL SELECT AND APPROVE COLORS. ALL TRANSITIONS TO MEET ADA REQUIREMENTS. GC TO PROVIDE TRANSITION "MOCK UPS" TO BE APPROVED BY THE OWNER.
8. GENERAL CONTRACTOR TO VERIFY LEAD TIMES ON ALL SPECIFIED FINISH MATERIALS AND COORDINATE FINISH PROCUREMENT WITH THE PROJECT SCHEDULE. ADDITIONAL CHARGES DUE TO RESELECTIONS OF FINISH MATERIALS, EXPEDITED SHIPPING, ETC. DUE TO LEAD TIME ISSUES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. ADDITIONAL QUANTITY / STOCK OF SPECIFIED FINISH MATERIALS SHALL BE COORDINATED WITH THE OWNER AND PROVIDED BY THE GENERAL CONTRACTOR AND STORED IN AN ACCEPTABLE LOCATION TO THE OWNER.
10. PAINTED SURFACES SHALL BE SANDED, FILLED, OR PATCHED AS REQUIRED. ALL PAINTED SURFACES SHALL BE PRIMED AND RECEIVE 2 COATS OF PAINT. PAINT BEING APPLIED TO WALL SURFACES SHALL BE AN EGGSHELL FINISH. ALL PAINT BEING APPLIED ON GYPBOARD CEILINGS SHALL BE A FLAT FINISH. PAINT BEING APPLIED ON ALL DOORS, AND DOOR FRAMES SHALL BE A SEMI-GLOSS FINISH U.N.O. PAINTED CEILING STRUCTURE SHALL BE A DRYFALL PAINT.
11. ALL WALL TREATMENTS SHALL HAVE FINISHED TERMINATING EDGES. CERAMIC / PORCELAIN WALL TILE SHALL HAVE APPROPRIATE SCHLUTER BRUSHED BEAD AT ALL TILE TERMINATIONS AND TRANSITIONS. FINISH TO BE SATIN ANODIZED. WALL PROTECTION SYSTEMS SHALL USE MANUFACTURERS COORDINATING TRIM & TOP CAPS. IF FINISH TERMINATING EDGES ARE NOT SPECIFIED, COORDINATE WITH DESIGNER.
12. ALL FINISH MATERIALS TO MEET CLASS A FIRE & SMOKE RATINGS. IF GENERAL CONTRACTOR DISCOVERS SPECIFIED FINISH MATERIALS DO NOT MEET CLASS A RATINGS NOTIFY DESIGNER IMMEDIATELY. PROVIDE MANUFACTURERS FLAME SPREAD CERTIFICATES FOR OWNERS RECORDS. COPIES TO BE PROVIDED TO PROJECT ARCHITECT, INTERIOR DESIGNER AND OWNER.
13. PAINT ALL VISIBLE MECHANICAL UNITS AND GRILLS TO MATCH ADJACENT WALL OR CEILING SURFACE.
14. CONTRACTOR TO COORDINATE BETWEEN ARCHITECTURAL DRAWING SET AND INTERIOR DRAWING SET. IF DISCREPANCIES ARE IDENTIFIED WORK IS TO BE STOPPED IMMEDIATELY AND BROUGHT TO THE ATTENTION OF THE ARCHITECT AND DESIGNER FOR COORDINATION.
15. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS FOR ACCURACY TO CONFIRM THAT THE WORK IS BIDDABLE AS SHOWN BEFORE PROCEEDING WITH CONSTRUCTION OR ORDER PLACEMENT OF MATERIALS. SUB CONTRACTORS ARE RESPONSIBLE FOR COORDINATING WITH OTHER TRADES.
16. FINISH MATERIALS TO BE STORED IN DRY LOCATIONS WITH AMBIENT TEMPERATURE WITHIN RANGE OF MANUFACTURERS RECOMMENDATIONS. STORAGE CONDITIONS, ORIENTATION AND ACCLIMATION PERIODS SHOULD BE PER MANUFACTURERS RECOMMENDATIONS.
17. EPOXY PAINT TO BE USED IN ALL STORAGE ROOMS, JANITORS CLOSETS, MECHANICAL ROOMS AND IT.
18. ALL DOORS AND DOOR FRAMES TO BE PAINTED IPS-5A UNLESS OTHERWISE, REFER TO DOOR SCHEDULE FOR DOOR STAIN FINISH.
19. LOCATIONS OF CORNER GUARDS ARE NOTED ON ALL WALL FINISH PLANS WITH A "CG" AT SPECIFIED CORNERS. CORNER GUARDS TO HAVE A SPECIFIED FINISH AND GO UP TO THE CEILING.
20. THE ID DRAWINGS ARE NOT AN ARCHITECTURAL OR ENGINEERING DRAWINGS, SPECIFICATION, OR DESIGN AND IS NOT TO BE USED FOR CONSTRUCTION OR ANY LOAD-BEARING COLUMN, LOAD-BEARING FRAMING, OR LOAD-BEARING WALL OR STRUCTURE.
21. REFER TO ARCHITECTURAL DOCUMENTS FOR MILLWORK, PLUMBING, CEILING & LIGHTING DETAILS IF NOT NOTED ON INTERIORS DRAWINGS.
22. DO NOT USE A SECTION OF RESILIENT BASE LESS THAN 48" UNLESS WALL BEING APPLIED IS LESS THAN 48".

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FINISH SCHEDULES & INTERIOR FINISH KEY

A703

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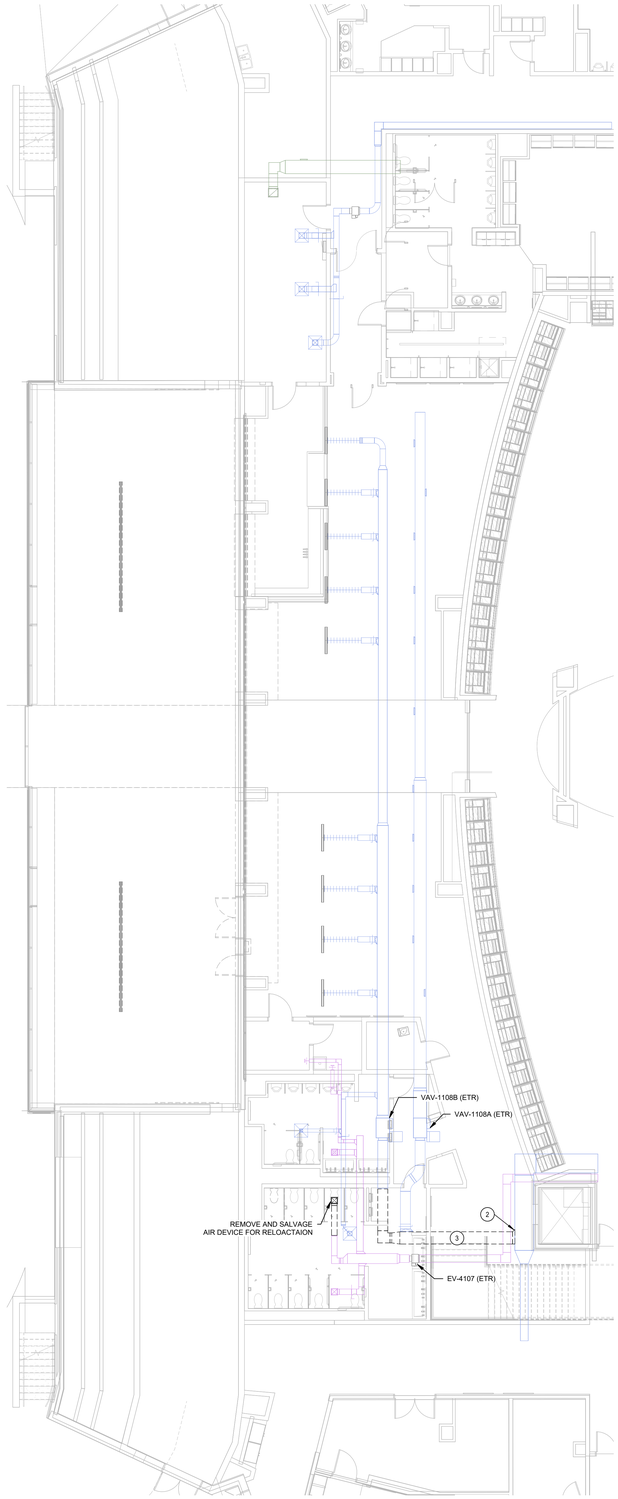

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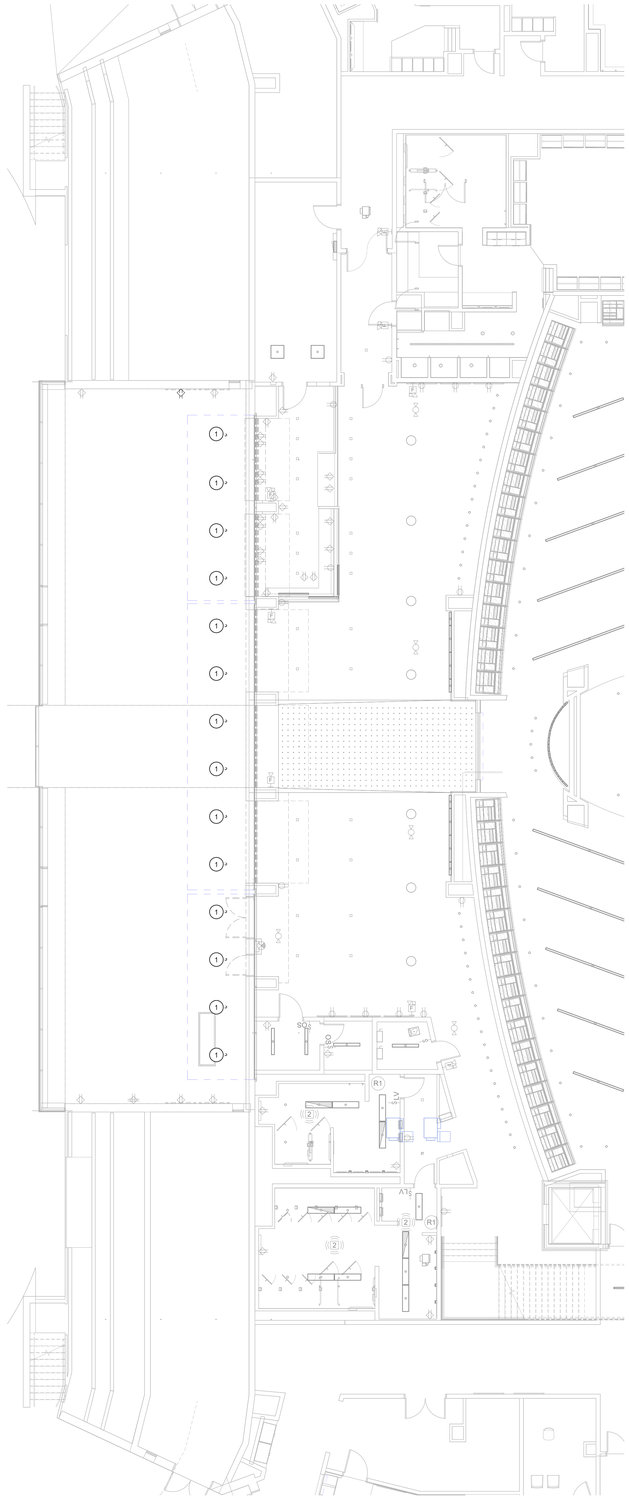
AREA G - RECRUITING ROOM - MECHANICAL DEMO PLAN

SCALE: 1/8" = 1'-0"



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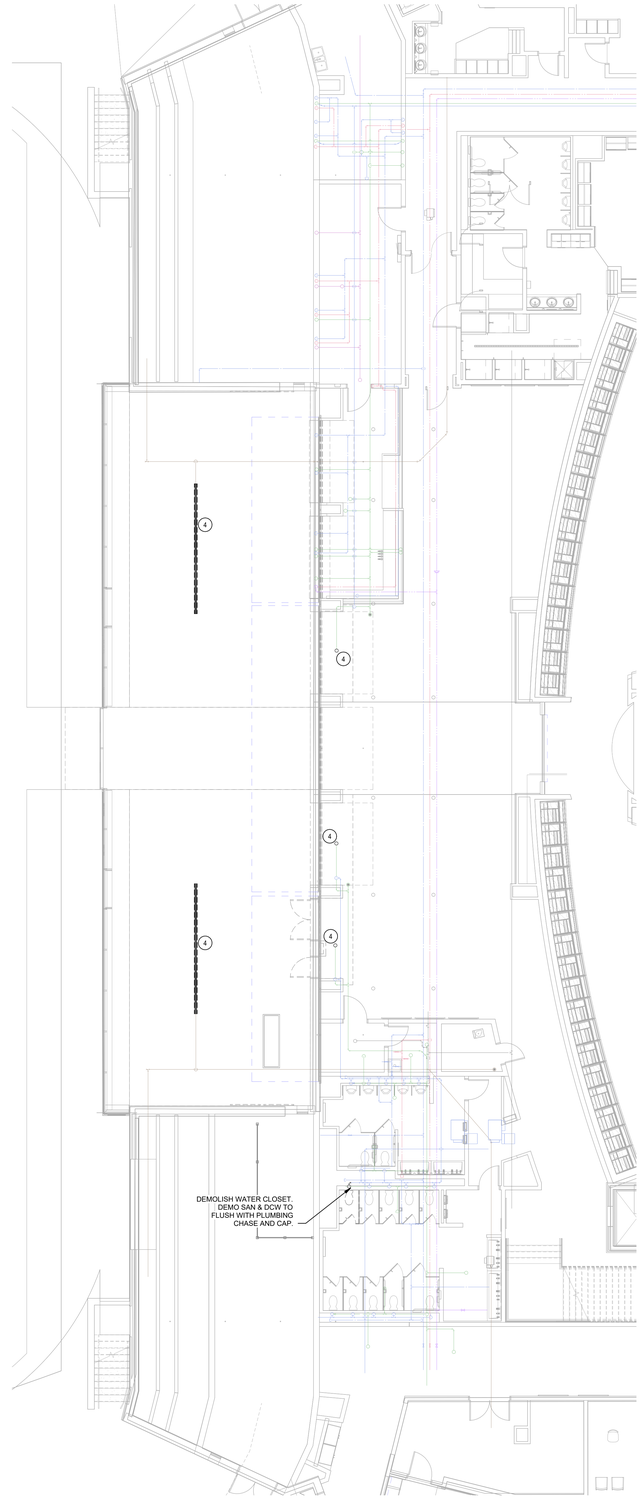
AREA G - RECRUITING ROOM - ELECTRICAL DEMO PLAN

SCALE: 1/8" = 1'-0"



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AREA G - RECRUITING ROOM - PLUMBING DEMO PLAN

SCALE: 1/8" = 1'-0"

DEMOLITION GENERAL NOTES

DEMOLITION NOTES APPLY TO ALL DEMOLITION SHEETS.

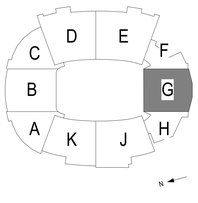
THE CONTRACTOR SHALL:

1. 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.
2. COORDINATE ANY DISRUPTION OF UTILITY SERVICES WITH THE OWNER AND AS SPECIFIED.
3. 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.
4. MAINTAIN A SECURE, WEATHER-TIGHT ENCLOSURE AT ALL TIMES.
5. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
6. REMOVE IN THEIR ENTIRETY ALL EXISTING WALLS, DOORS, MILLWORK, PLUMBING FIXTURES, CEILINGS, SOFFITS, MARKERBOARDS, AND OTHER ITEMS, AS REQUIRED TO EXECUTE THE DEMOLITION/CONSTRUCTION WORK DESCRIBED BY THE DRAWINGS.
7. THE OWNER SHALL RESERVE THE RIGHT TO SALVAGE ANY MATERIALS.
8. PROVIDE PROTECTION FOR ALL EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO ANY DEMOLITION OR CONSTRUCTION-RELATED INCIDENT PERFORMED UNDER THIS CONTRACT.
9. REPAIR OR REPLACE ITEMS THAT ARE DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISH AND/OR CONDITION.
10. EXISTING MATERIALS SHALL NOT BE REUSED UNLESS NOTED OTHERWISE OR AS AUTHORIZED BY ARCHITECT.
11. VERIFY AND MAINTAIN THE LOCATION OF EXISTING POWER, COMMUNICATION AND DATA CABLES TO PREVENT INTERRUPTION OF THEIR SERVICE.
12. 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-RESISTANCE-RATED SEPARATIONS. FINISH AS REQUIRED FOR NEW OR EXISTING ADJACENT SURFACES.
13. CAP ALL DISCONNECTED MECHANICAL PIPING LINES WITHIN THE WALL OR FLOOR. PATCH AND FINISH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACES.
14. SEE MECHANICAL AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.
15. AVOID ANY DISTURBANCE OF SOILS WITHIN THE ZONE OF INFLUENCE AROUND EXISTING FOOTINGS AND FLOOR SLABS AS DIRECTED BY GEOTECHNICAL ENGINEER.
16. E.C. SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOLLOWING THE REQUIREMENTS FOR DEMOLITION WORK WORK WITHIN THE GOVERNING MUNICIPALITY. E.C. SHALL BE TOTALLY RESPONSIBLE FOR SAFE PROCEDURES, PRACTICES, AND OPERATION. FOR ALL EXISTING ELECTRICAL DEVICES TO BE REMOVED. E.C. SHALL PROTECT ALL SURFACES, FURNISHINGS, EQUIPMENT, ETC. ADJACENT TO DEMOLITION AREAS FROM DAMAGE.
17. FOR ALL EXISTING ELECTRICAL DEVICES AND LIGHT FIXTURES TO BE REMOVED, E.C. SHALL VERIFY PANEL AND CIRCUIT NUMBERS IN THE EXISTING ELECTRICAL PANELS AND ISOLATE WIRING AT THE BREAKERS. CONTRACTOR SHALL REMOVE ALL CABLE AND ACCESSIBLE EXPOSED CONDUIT BETWEEN END DEVICE AND ITS UPSTREAM POWER SOURCE. REMOVE ALL ELECTRICAL APPURTENANCES (DISCONNECT, STARTER, WIRING, CONDUIT, CONDUIT STRAPS, ETC.) ASSOCIATED WITH THE DEVICE AND / OR EQUIPMENT THAT IS BEING REMOVED, PROVIDE BLANK METAL COVER PLATES FOR ALL JUNCTION BOXES NO LONGER IN USE THAT ARE EMBEDDED IN CONCRETE OR MASONRY WALLS. PROVIDE PLUGS FOR ALL PANELS WHERE CONDUIT HAS BEEN REMOVED. COVER PLATES SHALL BE PAINTED TO MATCH EXISTING CONDITIONS.
18. REFER TO SPECIFICATIONS FOR REMOVAL AND ABATEMENT REQUIREMENTS OF HAZARDOUS ENVIRONMENTAL CONDITIONS.
19. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS AND RELOCATION REQUIRED TO MAINTAIN ALL ELECTRICAL CIRCUITS TO AREAS OUTSIDE DEMOLITION.
20. PATCH HOLES AFTER REMOVAL OF ELECTRICAL EQUIPMENT IN AREAS OF DEMOLITION. NOT ALL EQUIPMENT MAY BE SHOWN. CONTRACTORS SHALL VISIT THE SITE BEFORE BIDDING AND BECOME FAMILIAR WITH THE SCOPE OF DEMOLITION.
21. EXISTING ELECTRICAL SYSTEMS LAYOUT, LOCATION AND SIZES ARE BASED ON AS-BUILT DOCUMENTS AND LIMITED FIELD SURVEYS. DUE TO HIDDEN CONDITIONS AT A TIME OF SURVEY, CONTRACTOR SHALL ADVISE ENGINEER OF RECORD OF ANY FIELD CONDITIONS OF AFFECTED SYSTEMS THAT ARE NOT REFLECTED IN SET OF DOCUMENTS PRIOR TO DEMOLITION OF THE SYSTEM AND BEFORE THE START OF NEW WORK TO THE SYSTEM. PROVIDE MATCHING BLANK COVER PLATES WHERE DEVICES ARE BEING REMOVED FROM EXISTING WALLS TO REMAIN.
22. EXISTING MEP SYSTEM ROUTINGS AND LOCATIONS SHOWN ARE AN APPROXIMATION BASED ON FIELD OBSERVATION AND EXISTING BUILDING MEP CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF EXISTING MEP SYSTEMS TO REMAIN AND BE DEMOLISHED PRIOR TO STARTING WORK.
23. REFER TO ASBESTOS SURVEY / REPORT DATED 11/25/2024 FOR AREAS CONTAINING ASBESTOS WHERE DEMOLITION WILL OCCUR. REFER TO ASBESTOS SURVEY CONTRACTOR RECOMMENDATIONS AND DETAILS FOR REMOVAL.
24. COORDINATE WITH OWNERS REP AT LEAST 72 HOURS IN ADVANCE OF ALL OUTAGES. ATHLETIC MAINTENANCE STAFF WILL PROBABLY BE INVOLVED IN ALL THE SHUTOFFS UNLESS IT IS PART OF THE UTILITIES SERVICE. THEN IT WILL BE ENERGY MANAGEMENT.

SHEET NOTES

1. DEMOLISH LIGHT FIXTURE. DEMO CONDUIT / CONDUCTORS BACK TO NEAREST J-BOX ABOVE CEILING.
2. REMOVE AND SALVAGE EXITING SUPPLY DUCT STATIC PRESSURE SENSOR. COIL UP WIRE FOR RE-INSTALLATION.
3. DEMOLISH DASHED DUCTWORK. SOFFIT TO BE DEMOLISHED AS REQUIRED. SEE ARCHITECTURAL PLANS FOR DETAILS.
4. DEMOLISH FLOOR DRAIN / TRENCH DRAIN AND CAP/ PREPARE FOR NEW CONNECTION. SEE P102

KEY PLAN



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SHANE L. FLOYD
NUMBER PE-2019017814
PROFESSIONAL ENGINEER

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

600 STADIUM BLVD
COLUMBIA, MO 65211

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SOA 25042

FIELD LEVEL - RECRUITING - MEP DEMOLITION PLAN

MED102

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GENERAL MECHANICAL SYMBOLS

A	REVISION NUMBER - SHOWN ON PLANS
	POINT WHERE NEW CONNECTS TO EXISTING OR EXISTING SEPARATES FROM DEMOLISHED
# XX/###	DETAIL NUMBER ON SHEET SHEET NUMBER WHERE DETAIL APPEARS
#	KEYNOTE
	CONTINUATION SYMBOL
	ITEMS TO DEMOLISHED
	PIPING TO BE DEMOLISHED
	AREA NOT IN CONTRACT
2" HWS	PIPE SIZE/SYSTEM TAG (DIAMETER)
	ABOVE GROUND PIPING
12"x8" ETR	EXISTING PIPE TAG
12"x8" SA	SQUARE DUCT/SYSTEM TAG (WIDTH X HEIGHT)
12"Ø SA	ROUND DUCT/SYSTEM TAG (DIAMETER)
DROP	RECTANGULAR SUPPLY/OUTSIDE AIR DUCT RISE
DROP	ROUND SUPPLY/OUTSIDE AIR DUCT RISE
DROP	RECTANGULAR RETURN/TRANSER AIR DUCT RISE
DROP	ROUND RETURN/TRANSER AIR DUCT RISE
DROP	RECTANGULAR EXHAUST DUCT AIR DUCT RISE
DROP	ROUND EXHAUST DUCT AIR DUCT RISE
DS	DUCT SMOKE DETECTOR
	BALANCE DAMPER
	FIRE RATED DAMPER

GRILLES, REGISTERS & DIFFUSERS TAG

SHADED REGION INDICATES NO FLOW IN THIS DIRECTION

GENERAL SPECIFICATIONS

1. ALL WORK SHALL BE DONE IN STRICT CONFORMANCE WITH THE LOCAL AND UM ENFORCED BUILDING CODES.
2. ALL SYSTEMS SHALL BE COMPLETE AND OPERABLE IN EVERY WAY.
3. INSPECT JOB SITE PRIOR TO BIDDING TO DETERMINE EXACT JOB REQUIREMENTS. SEE ARCHITECTURAL DRAWINGS FOR CONSTRUCTION DETAILS.
4. ARCHITECTURAL DRAWING DIMENSIONS SHALL GOVERN IN ALL CASES. COORDINATE ENGINEERING DRAWINGS WITH ARCHITECTURAL DRAWINGS FOR ALL EQUIPMENT LAYOUTS AND LOCATIONS.
5. LAYOUTS AND ROUTINGS SHOWN ON THE PLANS ARE APPROXIMATE AND GENERAL IN NATURE.
6. CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND UNDERSTANDING ALL DRAWINGS AND ASPECTS OF THE PROJECT SCOPE, AND FOR INCLUDING IN THE BID ALL WORK ASSOCIATED WITH EACH TRADE, REGARDLESS OF WHICH DRAWING OR SHEET IT IS SHOWN ON.
7. COORDINATE WORK WITH ALL OTHER TRADES. EACH SUBCONTRACTOR SHALL REVIEW ENTIRE DRAWING SET AND AVOID CONFLICTS WITH OTHER TRADES.
8. REPRESENTATIVES FROM APPLICABLE TRADES SHALL BE AVAILABLE FOR BAS, PLC, MECHANICAL AND FIRE ALARM SYSTEMS VALIDATION, COMMISSIONING AND TESTING.
9. REPRESENTATIVES FROM APPLICABLE TRADES SHALL ASSIST EQUIPMENT MANUFACTURERS WITH SET-UP, TESTING, AND CLEAN-UP ACTIVITIES.
10. REFER TO ARCHITECTURAL CONSTRUCTION DOCUMENTS FOR MORE INFORMATION.

ABBREVIATIONS

Ø	DIAMETER	LAT	LEAVING AIR TEMPERATURE
		LB	POUND
A	AMP	LB/HR	POUNDS PER HOUR
ABV	ABOVE	LP	LOW PRESSURE
AC	AIR CONDITIONING	LVR	LOUVER
AC/HR	AIR CHANGES PER HOUR	LWT	LEAVING WATER TEMPERATURE
ADD	ADDENDUM		
AFF	ABOVE FINISHED FLOOR	MA	MIXED AIR
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MAX	MAXIMUM
		MBH	ONE THOUSAND BTU PER HOUR
ALT	ALTERNATE	MCF	ONE THOUSAND CUBIC FEET
AP	ACCESS PANEL	MD	MOTORIZED DAMPER
ARCH	ARCHITECT/ARCHITECTURAL	MECH	MECHANICAL
		MFR	MANUFACTURER
BFF	BELOW FINISHED FLOOR	MIN	MINIMUM
BHP	BRAKE HORSE POWER	MISC	MISCELLANEOUS
BLW	BELOW	MTD	MOUNTED
BTU	BRITISH THERMAL UNITS	MTR	MOTOR
BTUH	BRITISH THERMAL UNITS PER HOUR	MUA	MAKE-UP AIR
CAP	CAPACITY	NC	NOISE CRITERIA
CD	CEILING DIFFUSER	N.C.	NORMALLY CLOSED
CFM	CUBIC FEET PER MINUTE	NIC	NOT IN CONTRACT
CLG	CEILING	NO	NUMBER
CONT	CONTINUED	N.O.	NORMALLY OPEN
		NTS	NOT TO SCALE
D	DEGREE		
DB	DRY BULB	O/A	OUTSIDE AIR
DIA	DIAMETER	OPER	OPERATOR
DIDW	DOUBLE INLET DOUBLE WIDTH		
DN	DOWN	PD	PRESSURE DROP
DX	DIRECT EXPANSION	PRESS	PRESSURE
DWG	DRAWING	PSI	POUNDS PER SQUARE INCH
		PSIG	POUNDS PER SQUARE INCH GAUGE
EA	EACH		
E/A	EXHAUST AIR	PWR	POWER
EAT	ENTERING AIR TEMPERATURE		
EFF	EFFICIENCY	R/A	RETURN AIR
ELEC	ELECTRICAL	RCP	RADIANT CEILING PANEL
EQUIP	EQUIPMENT	REC	RECESSED
ER	EXHAUST REGISTER	REV	REVISION
ESP	EXTERNAL STATIC PRESSURE	RG	RETURN GRILLE
EWT	ENTERING WATER TEMPERATURE	RH	RELATIVE HUMIDITY
EXIST	EXISTING	RL/A	RELIEF AIR
		RM	ROOM
F	DEGREES FAHRENHEIT	RPM	REVOLUTIONS PER MINUTE
FC	FORWARD CURVED		
FD	FIRE DAMPER	S/A	SUPPLY AIR
FL	FLOOR	SF	SQUARE FOOT
FPM	FEET PER MINUTE	SD	SMOKE DAMPER
FT	FOOT, FEET	SM	SURFACE MOUNT
FT/HD	FEET OF HEAD	SP	STATIC PRESSURE
FTR	FIN TUBE RADIATION	SPEC	SPECIFICATION
FTWG	FEET OF HEAD WATER GAUGE	SR	SUPPLY REGISTER
FRD	FIRE RATED DAMPER	STD	STANDARD
GA	GAUGE	T	TEMPERATURE SENSOR
GAL	GALLON	T/A	TRANSFER AIR
GALV	GALVANIZED	TD	TEMPERATURE DROP
GC	GENERAL CONTRACTOR	TEMP	TEMPERATURE
GPM	GALLONS PER MINUTE	TYP	TYPICAL
HP	HORSE POWER	VAC	VACUUM
HT	HEIGHT	VAV	VARIABLE AIR VOLUME
HTG	HEATING	VENT	VENTILATION
HTR	HEATER	VFD	VARIABLE FREQUENCY DRIVE
HUM	HUMIDITY	V	VOLTAGE
HWS	HEATING WATER SUPPLY		
HWR	HEATING WATER RETURN	W/	WITH
HZ	HERTZ	W/O	WITHOUT
		WB	WET BULB
IN	INCH		
INWC	INCHES WATER COLUMN	ZD	ZONE DAMPER
KW	KILOWATT		

ABBREVIATIONS - CONTROLS

AI	ANALOG INPUT	EC	ELECTRONICALLY COMMUTATED
AO	ANALOG OUTPUT	ENTH	ENTHALPY
AR	ANALOG REGISTER		
		FLA	FULL LOAD AMPS
BI	BINARY INPUT		
BO	BINARY OUTPUT	HR	HEATING WATER RETURN
		HS	HEATING WATER SUPPLY
CALC	CALCULATION	HW	HEATING WATER
CO2	CARBON DIOXIDE		
CRTL	CONTROL	P	PUMP
		PA	PRIMARY AIR
DA	DISCHARGE AIR	PH	PHASE
DDC	DIRECT DIGITAL CONTROL	PID	PROPORTIONAL-INTEGRAL-DERIVATIVE
DIFF	DIFFERENTIAL	POT	POTENTIOMETER
DO	DIGITAL OUTPUT	PPM	PARTS PER MILLION

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MECHANICAL LEGENDS AND SYMBOLS

M002

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MECHANICAL NEW WORK GENERAL NOTES

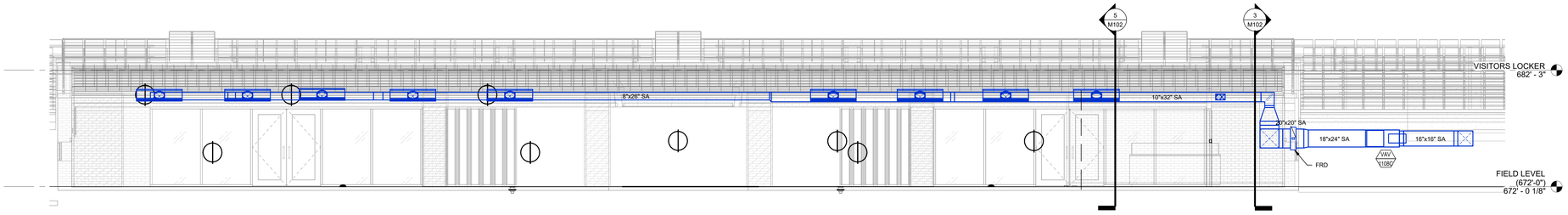
NOTES APPLY TO ALL MECHANICAL NEW WORK SHEETS.

THE CONTRACTOR SHALL:

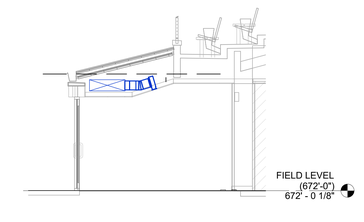
1. REFER TO M002 FOR REMAINING LIGHTING NOTES, LEGENDS, DETAILS & SCHEDULES.
2. WHERE SUSPENDED CEILINGS EXIST, ALL HVAC DUCTWORK SHALL ROUTE IN SPACE ABOVE DROP CEILING(S) UNLESS NOTED OTHERWISE.
3. ALL EXISTING MECHANICAL EQUIPMENT AND DUCTWORK ROUTING, SIZE AND LOCATIONS SHOWN ARE AN APPROXIMATION BASED ON FIELD OBSERVATION AND EXISTING BUILDING PLANS. CONTRACTOR SHALL VERIFY EXACT ROUTING AND LOCATION OF DUCTWORK / EQUIPMENT TO TIE INTO PRIOR TO ORDERING MATERIALS.
4. REFER TO SHEET M502 FOR EQUIPMENT CONTROLS DIAGRAMS

SHEET NOTES

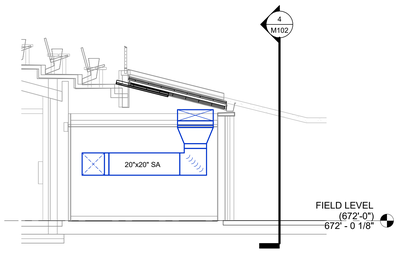
1. REMOTE POWERED BALANCING DAMPER SYSTEM. DAMPER SHALL BE SINGLE BLADE BALANCING DAMPER EQUAL TO POTTORFF RD-10R WITH A 5VDC ACTUATOR. DAMPER DRIVE SHALL BE WIRED TO CONNECTOR PLATE WALL LOCATED IN THE TRASH ROOM (SEE KEY NOTE 2) SYSTEM SHALL BE ORDERED AS A COMPLETE DAMPER SYSTEM WITH ALL NECESSARY COMPONENTS.
2. CONNECTOR WALL PLATE EQUAL TO POTTORFF RJ-11. LABEL WALL PLATE "DAMPER CONTROL" AND PROVIDE DIAGRAM FOR WHICH ROOM / AIR DEVICE / DAMPER IS CONTROLLED BY EACH CONNECTION. CONNECTOR WALL PLATE IS PART OF THE REMOTE POWERED DAMPER SYSTEM. SYSTEM SHALL BE ORDERED AS A COMPLETE DAMPER SYSTEM WITH ALL NECESSARY COMPONENTS FOR OPERATION.



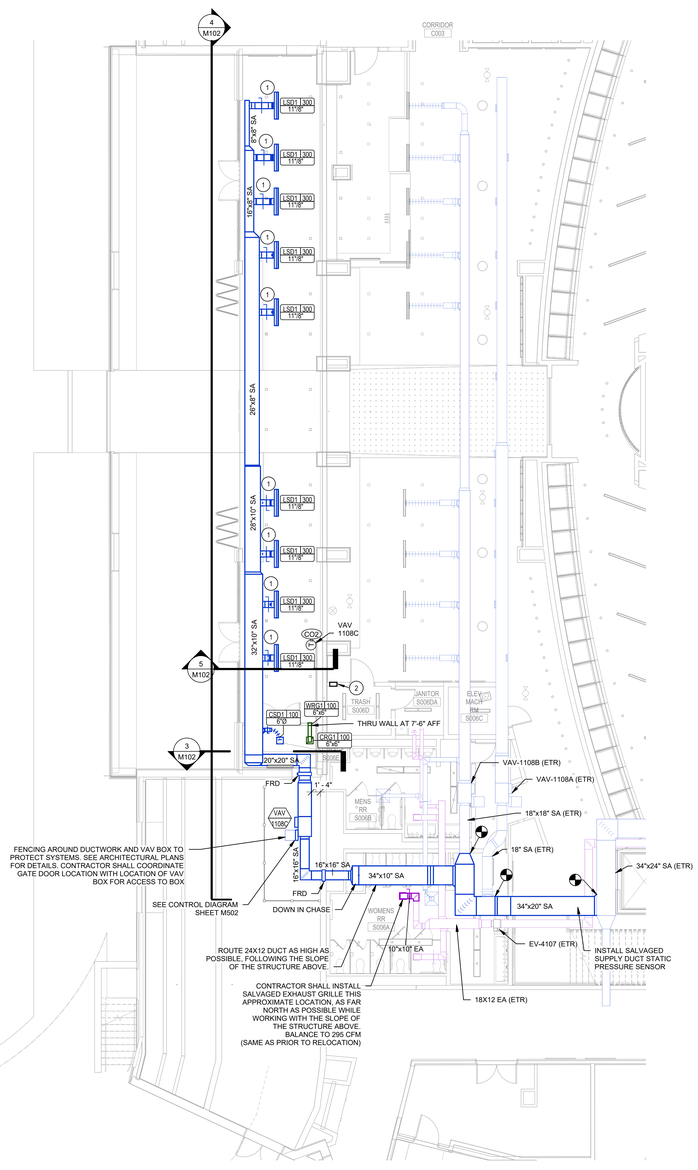
4 DUCTWORK LOOKNIG SOUTH SECTION
1/4" = 1'-0"



5 DUCTWORK LOOKING EAST SECTION
1/4" = 1'-0"



3 DUCTWORK IN CHASE SECTION
1/4" = 1'-0"



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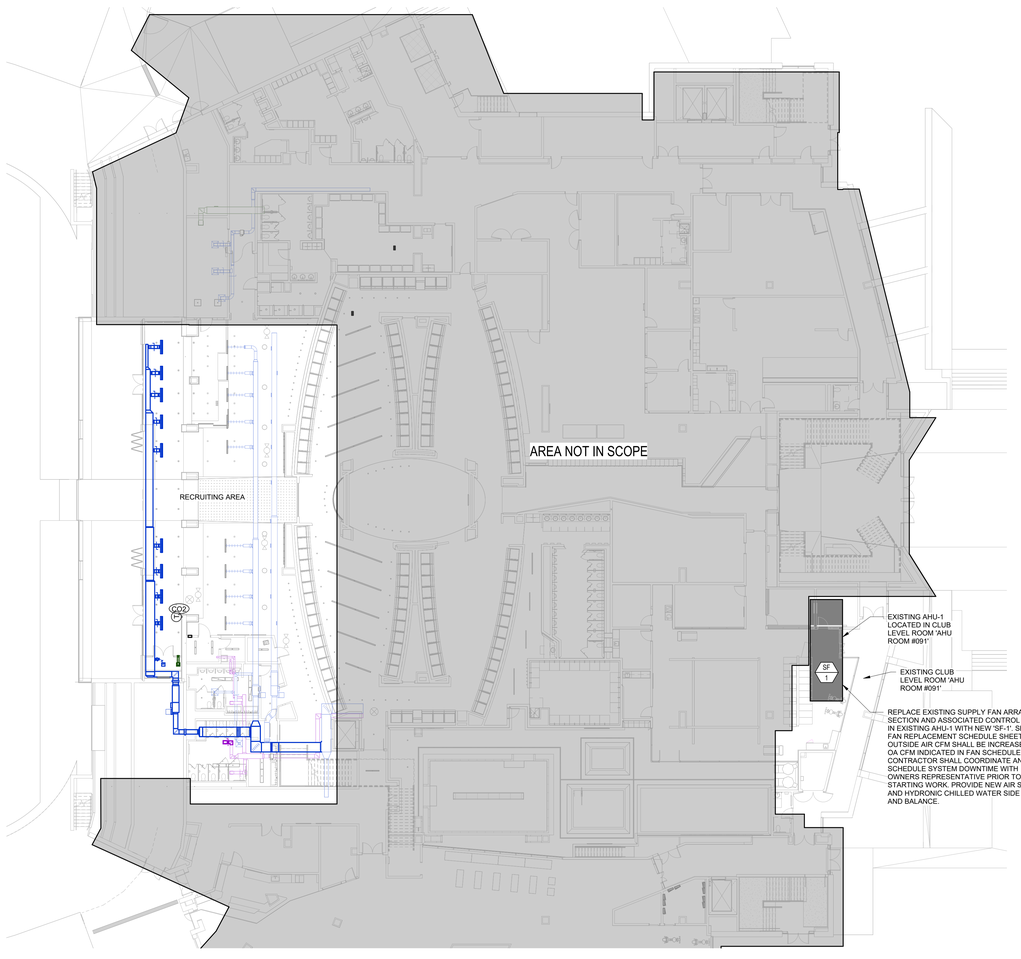
AREA G - RECRUITING ROOM - MECHANICAL PLAN
SCALE: 1/8" = 1'-0"



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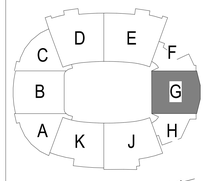
AREA G - OVERALL MECHANICAL PLAN
SCALE: 1/16" = 1'-0"

KEY PLAN



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FIELD LEVEL - RECRUITING - MECHANICAL PLAN

M102

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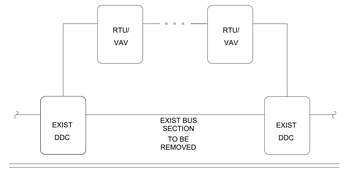
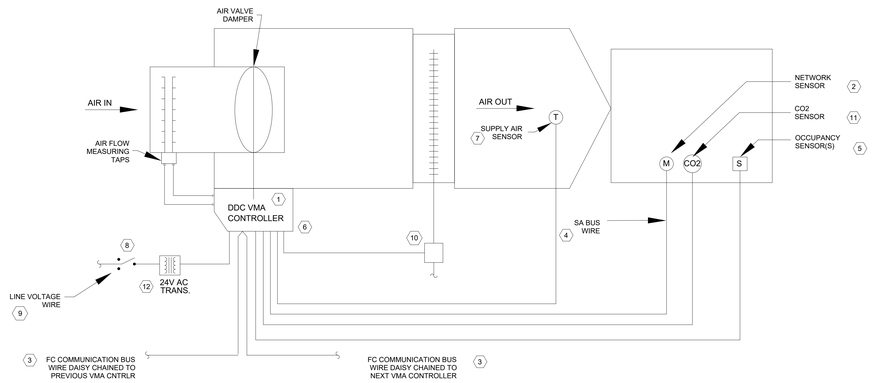


SOUTH-NAE176

NOTES:

1. FC BUS TO BE CONTINUOUS DAISY CHAIN WITHOUT SPLICES. CONNECTIONS CAN ONLY BE MADE AT CONTROLLERS. SEE PLANS FOR QUANTITY AND LOCATIONS OF CVM/VMA CONTROLLERS.
2. BREAK BUS BETWEEN TWO EXISTING CONNECTED CONTROLLERS AND REROUTE AS SHOWN. BUS CAN BE REROUTED IN MULTIPLE LOCATIONS TO KEEP OVERALL BUS LENGTH SHORT. COORDINATE FC BUS ROUTING AND OUTAGES WITH OWNERS REP.
3. FC COMMUNICATION BUS WIRE SHALL BE 22 AWG, PLENUM RATED, TWISTED SHIELDED, 3 CONDUCTOR, WITH BLUE OUTER CASING, DESCRIPTED AS 22-03 OAS STR PLNM NEON BLU JK DISTRIBUTED BY WINDY CITY WIRE, CONSTRUCTED BY
4. CABLE-TEK, OR APPROVED EQUIVALENT. CONNECT NEW POINTS TO EXISTING CONCOURSE A OR B CONTROLLERS ON EAST SIDE.

B FC BUS SCHEMATIC DIAGRAM
NO SCALE



B VAV BOX CONTROL DIAGRAM WITH REHEAT
NO SCALE

NOTES:

1. VMA TERMINAL INCLUDES CONSTANT VOLUME (CV) UNITS & VARIABLE AIR VOLUME (VAV) UNITS. UNLESS OTHERWISE NOTED, ALL CONTROL WORK SHALL BE BY CONTRACTOR.
2. CAPS FOR VAV DP TEST PORTS MUST BE NEOPREME CAPS OR 1/4" BRASS PLUGS. NO RUBBER CAPS ALLOWED.

KEYED NOTES:

1. CONTROLLER WILL BE FURNISHED AND INSTALLED BY OWNER. CONTROLLER WILL BE JCI MODEL MS-VMA-1620 SERIES OR M4-CVM-3050. PROGRAMMING AND COMMISSIONING WILL BE DONE BY OWNER.
2. NETWORK SENSOR WILL BE FURNISHED BY OWNER & INSTALLED BY CONTRACTOR. NETWORK SENSOR WILL BE JCI NS SERIES.
3. FC COMMUNICATION BUS WIRE SHALL BE 22 AWG, PLENUM RATED, TWISTED SHIELDED, 3 CONDUCTOR, WITH BLUE OUTER CASING, DESCRIPTED AS 22-03 OAS STR PLNM NEON BLU JK DISTRIBUTED BY WINDY CITY WIRE CONSTRUCTED BY CABLE-TEK, OR APPROVED EQUIVALENT.
4. SA BUS WIRE SHALL BE 22 AWG, PLENUM RATED, TWISTED SHIELDED, 4 CONDUCTOR.
5. INSTALLATION OF OCC SENSOR IS WORK OF DIVISION 26, SEE E-SERIES SHEETS FOR FINAL LOCATIONS. A CONTROL CIRCUIT SHALL BE CONNECTED TO ALL OCC SENSORS AS WORK OF DIVISION 23. A CONTROL SIGNAL SHALL BE RELAYED TO THE VAV TERMINAL UNIT THAT SERVES THAT SPACE. IN LOCATIONS WHERE MULTIPLE OCC SENSORS ARE PRESENT, ALL SENSORS SHALL BE MONITORED AND TRANSMIT A SIGNAL TO THE VAV TERMINAL UNIT WITHIN THAT SPACE. ALL SENSORS SHALL BE WIRED IN PARALLEL.
   OCCUPANCY SENSOR WIRING MUST BE RAN BACK TO VAV CONTROLLER FOR OWNER TERMINATION.
   PRIOR TO CEILING GRID INSTALLATION. OCC SENSOR INSTALLATION AND TERMINATIONS BY CONTRACTOR.
6. CONTROLLER MUST HAVE A MINIMUM OF 18 INCHES OF ACCESSIBLE CLEARANCE.
7. VAV SUPPLY TEMP SENSOR 1000 OHM PLATINUM RTD LOCATED APPROX. 8 FT. FROM VAV BOX DISCHARGE. PROVIDED, INSTALLED, & WIRED TO CONTROLLER BY CONTRACTOR.
8. SERVICE DISCONNECT/SWITCH. LOCATED WITHIN 6 FEET OF VMA CONTROLLER.
9. LINE VOLTAGE WIRE BY DIVISION 26.
10. ELECTRIC HEATING COIL SCR CONTROLLER.
11. CO2 SENSOR. SEE PLANS FOR LOCATIONS.
12. TRANSFORMER AND POWER TO TRANSFORMER PROVIDED BY DIV. 26. ALL OTHER WORK PROVIDED BY DIV. 23.
    RESETTABLE 50 VA TRANSFORMER MUST BE PROVIDED FOR EACH VAV AND LOCATED WITHIN 6 FEET OF VMA CONTROLLER.

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

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ISSUE FOR BID
08/14/2025

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MECHANICAL CONTROLS

M502

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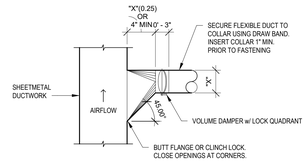
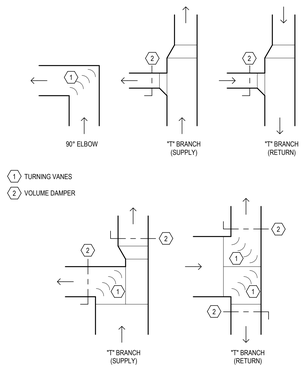
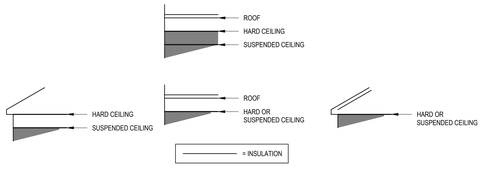


1 45° TAKEOFF DETAIL
NTS



NOTE: SEE FLOOR PLAN FOR DIMENSIONS

2 DUCTWORK FITTINGS DETAIL
NTS



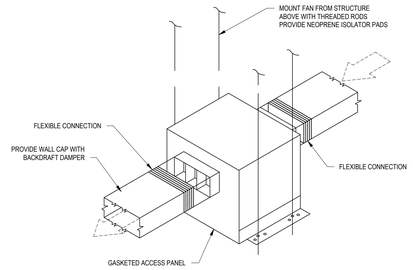
DUCTWORK INSIDE THERMAL ENVELOPE INSULATION SCHEDULE

TYPE OF DUCTWORK	INSULATION			
	½" LINER	1" LINER	1½" WRAP	2" WRAP
RECTANGULAR SUPPLY		X		
RECTANGULAR RETURN		X		
RECTANGULAR EXHAUST				
RECTANGULAR OUTSIDE AIR				X
ROUND SUPPLY			X	
ROUND RETURN				
ROUND EXHAUST				
ROUND OUTSIDE AIR				X
SPIRAL SUPPLY				
SPIRAL RETURN				
SPIRAL EXHAUST				
SPIRAL OUTSIDE AIR				X

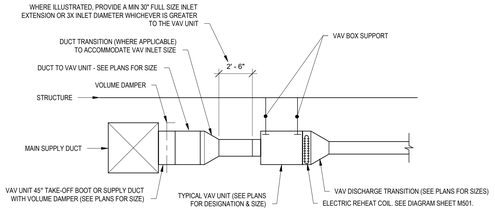
DUCTWORK OUTSIDE THERMAL ENVELOPE INSULATION SCHEDULE

TYPE OF DUCTWORK	INSULATION			
	½" LINER	1" LINER	1½" WRAP	2" WRAP
RECTANGULAR SUPPLY		X	X	
RECTANGULAR RETURN		X	X	
RECTANGULAR EXHAUST			X	
RECTANGULAR OUTSIDE AIR				
ROUND SUPPLY				X
ROUND RETURN				X
ROUND EXHAUST			X	
ROUND OUTSIDE AIR				
SPIRAL SUPPLY				X
SPIRAL RETURN				X
SPIRAL EXHAUST			X	
SPIRAL OUTSIDE AIR				

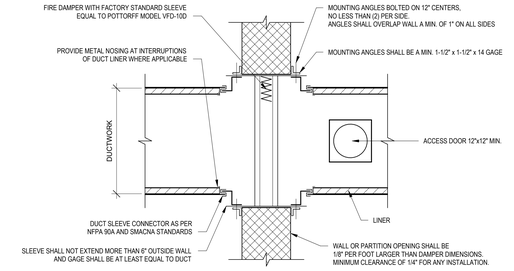
8 TYP. DUCT INSULATION DETAIL
NTS



4 IN-LINE CEILING EXHAUST FAN DETAIL
NTS



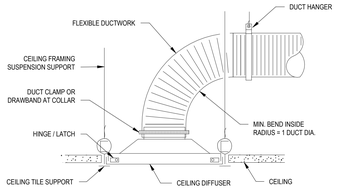
3 TYP. VAV UNIT INSTALLATION DETAIL
NTS



IN PARTITIONS W/ FIRE RESISTANCE RATINGS OF LESS THAN 3 HOURS USE A 1-1/2 HOUR RATED FIRE DAMPER.
IN PARTITIONS W/ FIRE RESISTANCE RATINGS OF 3 HOURS OR MORE USE A 3 HOUR RATED FIRE DAMPER.
RATINGS IN ACCORDANCE WITH UL555, STANDARD FOR SAFETY FIRE DAMPERS PER NFPA 90A CODE 3.4.1.2.

5 FIRE DAMPER DETAIL
3/4" = 1'-0"

9 TYP. DUCTWORK DETAIL
NTS



6 Ductwork_Lay-In Supply Diffuser
NTS

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ISSUE FOR BID
08/14/2025

SOA 25042

MECHANICAL DETAILS

M602

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AHU FAN REPLACEMENT SCHEDULE

MARK	DESCRIPTION	SUPPLY FAN							EXISTING COOLING COIL (CHILLED WATER) PERFORMANCE AT NEW AIRFLOW									
		MANUFACTURER	MODEL	FAN TYPE	QUANTITY	TOTAL CFM	ESP (IN WC)	TSP (IN WC)	HP EACH	EAT (°F DB)	EAT (°F WB)	LAT (°F DB)	LAT (°F WB)	EWT (°F)	LWT (°F)	OA (CFM)	MIN OA (CFM)	VOLTS / PH	MCA	MOCP	NOTES
SF-1	NEW SUPPLY FAN ARRAY TO REPLACE EXISTING FAN ARRAY IN EXISTING AHU-1	DAIKIN	1700083	ARRAY	12	38800	4.8	8.16	7.7	80.0	67.0	51.9	51.7	46	62.7	10600	3350	480 / 3	101	110	1,2,3,4

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:
1. CHILLED WATER COIL IS EXISTING. PERFORMANCE AT NEW TOTAL SUPPLY CFM SHOWN FOR REFERENCE ONLY.
2. PROVIDE ECM FAN ARRAYS WITH MINIMUM NUMBER OF FANS AS SCHEDULED. FAN ARRAY SHALL BE PRE-WIRED TO UNIT MOUNTED CONTROL PANEL. CONTROL PANEL SHALL BE EQUIPPED WITH A FUSED DISCONNECT AND SHALL INCLUD PRE-WIRED TERMINAL STRIP FOR 0-10VDC SIGNAL, ON/OFF, AND FAN FAULT FOR INDIVIDUAL FAN CONTROL.
3. MIN. OA IS THE ABSOLUTE MINIMUM OUTSIDE AIR CFM USING VENTILATION RESET OR DEMAND CONTROL VENTILLATION.
4. DISCONNECT SWITCHES FOR THE FAN ARRAYS SHALL BE INTEGRAL TO THE FAN ARRAY CONTROL PANEL.

VARIABLE AIR VOLUME TERMINAL SCHEDULE (ELECTRIC HEAT)

MARK	SERVED FROM	ZONE SERVED	MANUFACTURER	MODEL	INLET SIZE (IN)	PRIMARY CFM	MIN. PRIMARY CFM	MIN. HEATING CFM	HEATING COIL					SOUND POWER		NOTES
									EAT	LAT	KW	STEPS	VOLTS / PH	RADIATED	DISCHARGE	
VAV-1108C	AHU-1	RECRUITING ROOM	PRICE	SDV	16"	2800	840	1815	55	91	20.1	SCR	480/3	20	25	1,2,3,4,5,6,7

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:
1. INSTALL RIGID DUCT CONNECTOR AT INLET CONNECTION.
2. PROVIDE INTEGRAL DISCONNECT SWITCH.
3. PROVIDE CONTROL POWER (CP) TRANSFORMER FACTORY INSTALLED. COORDINATE PRIMARY POWER WITH ELECTRICAL DRAWINGS.
4. BOX NOT TO EXCEED SCHEDULED DISCHARGE OR RADIATED SOUND NC LEVEL USING 0.5 INCH PRESSURE DROP.
5. PROVIDE EMPTY CONTROL ENCLOSURE TO BE USED FOR OWNER INSTALLED CONTROLS. COORDINATE CONTROL ENCLOSURE SIZE WITH OWNER PRIOR TO PURCHASE.
6. PROVIDE BOX WITH LEFT HAND CONFIGURATION.
7. INLET SIZE SHOWN IS THE MINIMUM ALLOWABLE INLET SIZE. NO SMALLER SIZES SHALL BE ACCEPTED.

AIR DEVICES SCHEDULE - RECRUITING

MARK	SCHEDULE TYPE	MANUFACTURER	MODEL	SERVICE	FACE TYPE	MOUNTING LOCATION	FACE SIZE (IN)	MAX NC	MAX PRESS DROP (IN. W.C.)	NOTES
CRG1	ADS	PRICE	80	RETURN	EGG CRATE	CEILING	24X24	30	0.08	2,3,6,11
CSD1	ADS	PRICE	ASPD	SUPPLY	PLAQUE	CEILING	24X24	30	0.08	1,2,3,6,11
LSD1	ADS	PRICE	ASPD225	SUPPLY	SLOT	CEILING	4' LONG (1) 2.5" SLOT	30	0.08	2,3,6,7,8,11
WRG1	ADS	PRICE	630	RETURN	LOUVERED	WALL	6X6	30	0.08	2,4,6

* INDICATES 'OR APPROVED EQUAL'
** INDICATES DIFFUSER CONNECTION SIZE.

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION,
NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

NOTES:
1. 4 WAY THROW PATTERN UNLESS NOTED OTHERWISE, INDICATED BY FLOW ARROWS ON DRAWINGS.
2. NECK SIZE SHOWN ON DRAWINGS. PROVIDE BRANCH DUCT TO MATCH NECK SIZE UNLESS NOTED OTHERWISE.
3. ALL DEVICES SHALL BE WHITE WHEN LOCATED IN WHITE CEILINGS AND BLACK WHEN LOCATED IN GREY OR BLACK CEILINGS. PAINT WALL AND DUCT MOUNTED DEVICES TO MATCH PAINT AND DUCT COLOR. CONFIRM COLOR SELECTION WITH ARCHITECT PRIOR TO ORDERING MATERIALS.
4. FRONT BLADES SHALL BE PARALLEL TO HORIZONTAL FOR RETURN/EXHAUST. AND VERTICAL FOR SUPPLY / TRANSFER.
5. DOUBLE DEFLECTION BARS SHALL BE ADJUSTABLE FROM FACE OF DEVICE.
6. PROVIDE DIFFUSERS, LINEAR SLOTS, AND GRILLES WITH NO EXPOSED MOUNTING SCREWS.
7. PAINT ALL INTERIOR SURFACES OF SLOTS, GRILLES, AND PLENUMS FLAT BLACK.
8. INSTALL SLOT FULLY RECESSED IN GYP CEILING/WALL. REFER TO MANUFACTURERS DETAILS FOR ADDITIOANL INFORMATION. NO PART OF THE DEVICE SHALL BE EXPOSED TO THE SPACE.
9. PROVIDE SLOT WITH SIGHT BAFFLE.
10. PROVIDE FIELD FABRICATED INSULATED PLENUM FOR DIFFUSER. CONNECT SUPPLY DUCTWORK TO PLENUM AT ALL LOCATIONS INDICATED ON PLANS.
11. FRAME TYPE TO MATCH CEILING/WALL CONSTRUCTION. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING / WALL PLAN

1. Summary

Ventilation Sizing Method	ASHRAE Standard 62.1-2019	
Design Condition	Minimum flow (heating)	
Occupant Diversity (D)	1.000	
Uncorrected Outdoor Air Intake (Vou)	901	CFM
System Ventilation Efficiency (Ev)	1.000	
Outdoor Air Intake (Vot)	1126	CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Minimum Supply Air (CFM) (Vpz)	Space Floor Area (sqft) (Az)	Area Outdoor Air Rate (CFM/sqft) (Ra)	Time Averaged Occupancy (Occupants) (Pz)	People Outdoor Air Rate (CFM/person) (Rp)	Air Distribution Effectiveness (Ez)	Space Outdoor Air (CFM) (Voz)	Breathing Zone Outdoor Air (CFM) (Vbz)	Space Ventilation Efficiency (Evz)
Zone 3									
RECRUITING ADDN	1126	1278.5	0.18	89.4	7.50	0.80	**1126**	901	1.000
Totals	**1126**							**901**	**1.000**

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SOA 25042

MECHANICAL SCHEDULES

M702

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LIGHTING SYMBOLS

NL	HATCH AND 'E' DENOTES EMERGENCY FIXTURE NL DENOTES NIGHT LIGHT TO ALWAYS BE ON
	RECESSED CEILING MOUNTED LIGHT FIXTURES
	SURFACE CEILING MOUNTED LIGHT FIXTURES
	LED STRIP FIXTURE
H	WALL MOUNTED LIGHT FIXTURE
	CEILING MOUNTED EXIT LIGHT
H	WALL MOUNTED EXIT LIGHT
	EXIT LIGHT. ARROW INDICATES THE DIRECTION THE CHEVRON POINTS. IF WALL MOUNTED - CENTERLINE 90" AFF. UNO.
	EMERGENCY LIGHT FIXTURE WITH BATTERY BACKUP. MOUNT 90" AFF TO CENTERLINE U.N.O.
$	SINGLE POLE WALL SWITCH - 42" AFF U.N.O., "a" INDICATES ZONE.
$3	3-WAY WALL SWITCH - 42" AFF U.N.O.
$D	DIMMER WALL SWITCH - 42" AFF U.N.O.
$OC	WALL MOUNTED OCCUPANCY SENSOR SWITCH - 42" AFF U.N.O.
	CEILING MOUNTED SENSOR, "#" DESIGNATES TYPE
	DUPLEX CONVENIENCE RECEPTACLE - 18" AFF UNO "XX" DESIGNATES TYPE
	GFCI RECEPTACLE "XX" DESIGNATES TYPE
	ISOLATED GROUND RECEPTACLE "XX" DESIGNATES TYPE
	SPLIT RECEPTACLE "XX" DESIGNATES TYPE
	EMERGENCY RECEPTACLE "XX" DESIGNATES TYPE
WP	WEATHERPROOF RECEPTACLE "XX" DESIGNATES TYPE
	SINGLE RECEPTACLE - 18" AFF UNO
	FOURPLEX CONVENIENCE RECEPTACLE - 18" AFF UNO
AC	DUPLEX CONVENIENCE RECEPTACLE - ABOVE COUNTER
HC	DUPLEX RECEPTACLE - HOSPITAL COMPLIANT
	DUPLEX RECEPTACLE - CEILING MOUNTED
	DUPLEX RECEPTACLE - FLOOR MOUNTED
	RANGE RECEPTACLE
	SPECIAL PURPOSE RECEPTACLE
J	JUNCTION BOX
	TELEPHONE OUTLET - 18" AFF UNO
	DATA OUTLET - 18" AFF UNO
	CABLE TELEVISION OUTLET - 18" AFF UNO
	CARD READER
	FIRE ALARM HORN-STROBE
	FIRE ALARM STROBE
	POWER/LIGHTING PANELBOARD
	DISTRIBUTION PANEL OR MAIN SWITCH GEAR
	DISCONNECT SWITCH
	COMBINATION MAGNETIC MOTOR STARTER
	MOTOR
C	CONTACTOR
T	THERMOSTAT
TS	TIME SWITCH
CR	CARD READER (WALL MOUNTED WITH READER CENTERED AT 48" AFF). VERIFY MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
ST	POWERED DOOR STRIKE. ROUTE 1/2" CONDUIT FROM STRIKE IN DOOR FRAME TO ACCESSIBLE POINT ABOVE CEILING.
MS	EXISTING MOTION SENSOR DEVICE.
SD	EXISTING SECURITY DEVICE.
	CAMERA, CEILING MOUNT UNLESS NOTED OTHERWISE.
AP	WIRELESS ACCESS POINT
O	DOOR OPERATOR, ROUGH IN PER MANUFACTURER INSTALLATION REQUIREMENTS
P	PUSH BUTTON (WALL MOUNTED w/ BUTTON CENTERED @ 48" AFF)

ABBREVIATIONS

AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
DISP	DISPOSAL
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EXIST	EXISTING
FACP	FIRE ALARM CONTROL PANEL
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GND	GROUNDED
HC	HOSPITAL COMPLIANT
KVA	KILOVOLT
KW	KILOWATT
MDP	MAIN DISTRIBUTION PANEL
M.L.O.	MAIN LUGS ONLY
N.E.C.	NATIONAL ELECTRICAL CODE
NTS	NOT TO SCALE
PNL	PANELBOARD
S/E	SERVICE ENTRANCE LISTED LABELED
TYP	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
WP	WEATHERPROOF

GENERAL CONSTRUCTION NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM WITH LOCAL AND UM ADOPTED ELECTRICAL CODES, O.S.H.A., AND THE LATEST NATIONAL ELECTRICAL CODE AND ELECTRICAL SPECIFICATIONS.
2. E.C. SHALL FURNISH AND INSTALL, FOR WORK DESIGNATED AS HIS RESPONSIBILITY, ALL WIRE, WIREWAY, CONDUIT, CONNECTORS, OUTLETS, ETC. NECESSARY TO ACHIEVE A COMPLETE ELECTRICAL INSTALLATION. WHERE AN ELECTRICAL DEVICE IS REQUIRED BY CODE BUT NOT SHOWN, IT SHALL BE FURNISHED AND INSTALLED BY E.C. AS THOUGH FULLY SHOWN AND SPECIFIED.
3. THE TERM "E.C." IN THESE NOTES REFERS TO THE ELECTRICAL SUBCONTRACTOR.
4. ELECTRICAL CONTRACTOR SHALL COORDINATE THIS WORK WITH THE MECHANICAL CONTRACTOR.
5. ELECTRICAL CONNECTION TO ALL EQUIPMENT SUPPLIED BY OTHERS SHALL BE THE RESPONSIBILITY OF THE E.C. UNLESS OTHERWISE NOTED.

GENERAL ELECTRICAL NOTES

1. THIS IS A GENERAL LEGEND SHEET. SOME SYMBOLS AND ABBREVIATIONS MAY NOT BE USED ON THIS SPECIFIC PROJECT.
2. CAREFULLY REVIEW CONTRACT DOCUMENTS INCLUDING DRAWINGS & PROJECT MANUAL. INFORMATION REGARDING WORK OF THE VARIOUS TRADES & SUBCONTRACTORS ARE DISPERSED THROUGHOUT THE DOCUMENTS & CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE FULL SET OF DOCUMENTS. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES TO PROVIDE THE GREATEST POSSIBLE CLEARANCE FOR INSTALLATION OF THE MECHANICAL, PIPING, ETC. CONDUIT & PIPE TO BE RUN TO MAXIMUZE USE OF CEILING SPACE FOR USE BY OTHER TRADES.
3. CONDUIT ROUTES SHOWN ARE DIAGRAMMATIC ONLY. CONTRACTOR SHALL FIELD VERIFY AND PROVIDE CONDUIT ROUTES AS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR ROUTING ALL CONDUITS NOT SHOWN ON THE DRAWINGS, INCLUDING BUT NOT LIMITED TO CONDUITS SHOWN ON THE ONE-LINE AND CONTROL DIAGRAMS AS WELL AS HOME RUNS SHOWN ON THE PLAN DRAWINGS. CONDUITS SHALL BE ROUTED AS DEFINED IN THE SPECIFICATIONS.
4. WHERE EXISTING CIRCUITS, CONDUCTORS, CONDUITS, JUNCTION BOXES, PANELS, SWITCHES AND OTHER EQUIPMENT CONFLICTS WITH NEW CONSTRUCTION, EXISTING EQUIPMENT SHALL BE RELOCATED TO MAINTAIN FUNCTION AND SERVICE.
5. AT THE CONCLUSION OF THIS PROJECT PROVIDE AN UPDATED TYPEWRITTEN, AS-BUILT DIRECTORY INSIDE EACH PANELBOARD/SWITCHBOARD PROPERLY IDENTIFYING EACH CIRCUIT USED & THE SPECIFIC LOAD SERVED. ALSO PROVIDE SCHEDULES ON CD DISK.
6. FIELD VERIFY EXACT LOCATION OF ALL FLOOR PENETRATIONS PRIOR TO ROUGH-IN INSTALLATION.
7. OPENINGS SHALL BE CUT TO THE EXACT SIZE REQUIRED IN ORDER TO MAINTAIN ANY MATERIAL RATINGS AND SEALED TO MAINTAIN RATING. PROVIDE ALL NECESSARY FLOOR CUTTING/PENETRATIONS AND ALL OF THE RE-PATCHING FOR THE COMPLETE EXECUTION OF THIS WORK.
8. ALL EXIT AND EMERGENCY LIGHTS SHALL BE CONNECTED TO AN UN-SWITCHED CIRCUIT SERVING THIS AREA. THAT THE LIGHTS ARE LOCATED IN.
9. CONCEAL ALL ELECTRICAL WIRING AND RACEWAYS WHERE CONSTRUCTION PERMITS. EXPOSED RACEWAY SHALL BE MINIMIZED WHERE STRUCTURE IS EXPOSED TO VIEW. WHERE NECESSARY, CAREFULLY INSTALL RACEWAYS PARALLEL TO WALLS, BEAMS AND COLUMNS. EXPOSED RACEWAY SHALL BE HELD TIGHT TO STRUCTURE & LOCATED SO AS TO KEEP IT AS INCONSPICUOUS AS POSSIBLE.
10. PROVIDE FIRESTOPPING TO MAINTAIN FIRE RATINGS AT ALL PENETRATIONS OF RATED CONSTRUCTION.
11. COORDINATE ALL DEVICES AND WIRING WITH EQUIPMENT NAMEPLATE DATA. VERIFY THE ELECTRICAL LOADS, MOUNTING HEIGHTS AND NEMA CONFIGURATIONS WITH THE PLUMBING AND OTHER CONTRACTORS AND SUPPLIERS PRIOR TO ROUGH-IN.
12. PROVIDE FINAL CONNECTION, WIRING, HOOK-UP, ETC. FOR ALL EQUIPMENT AND CONTROLS REQUIRING ELECTRICAL POWER TO OPERATE.
13. FURNISH AND INSTALL ALL WIRE, WIREWAY, CONDUIT, CONNECTORS, OUTLETS, ETC, NECESSARY TO ACHIEVE A COMPLETE AND WORKING INSTALLATION.
14. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH A PULL WIRE OR STRING.
15. ALL EXTERIOR MOUNTED ELECTRICAL DEVICES AND EQUIPMENT SHALL BE IN WEATHERPROOF ENCLOSURE AND U.L. LISTED FOR WET LOCATION AND/OR ULNEMA 3R LISTED U.N.O.
16. CONTRACTOR SHALL REFER TO ARCHITECTS DETAILS AND ELEVATIONS FOR COORDINATION OF LOCATION OF ALL WIRING DEVICES BEFORE ROUGH-IN OF J-BOXES.
17. COLOR AND MATERIAL FOR ALL SWITCHES, AND COVER PLATES SHALL BE SELECTED BY ARCHITECT.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING ALL CONDUITS NOT SHOWN ON THE PLANS. THIS SHALL INCLUDE ALL CONDUITS SHOWN ON THE ONE-LINES AND HOMERUNS SHOWN ON THE PLAN DRAWINGS. CONDUITS SHALL BE ROUTED AS INDICATED ON THE DRAWINGS AND DEFINED IN THE SPECIFICATIONS.
19. IF EQUIPMENT SUPPLIED BY MANUFACTURER HAS A LARGER LOAD THAN VALUE SHOWN, THE CABLE CONDUIT AND ELECTRICAL EQUIPMENT SHALL BE ENLARGED, AS REQUIRED, TO ACCOMMODATE THE HIGHER VALUE

LOW VOLTAGE SYSTEMS

1. CONTRACTOR SHALL PROVIDE 1-1/4" CONDUIT AND JUNCTION BOXES AND PULL OWNER PROVIDED CATEGORY CABLE FOR LOW VOLTAGE SYSTEMS AS SHOWN ON THE PLANS. 1-INCH CONDUITS SHALL BE INSTALLED IN WALLS WITH THE INTENT THAT THE LOW VOLTAGE CABLINE WILL THEN RUN ABOVE CEILINGS EXPOSED TO THE IT ROOM COMMUNICATION RACKS OR TO OTHER DESIGNATED EQUIPMENT. LOW VOLTAGE SYSTEMS INCLUDE IT/DATA/PHONE SYSTEM, ACCESS CONTROL/SECURITY SYSTEM, AND A/V SYSTEM.
2. CONTRACTOR SHALL PROVIDE CONDUIT AND JUNCTION BOXES FOR DATA/PHONE. CONTRACTOR SHALL PULL CABLE FOR DATA/PHONE.
3. CONTRACTOR SHALL PROVIDE CONDUIT AND JUNCTION BOXES FOR ACCESS CONTROL. CONTRACTOR SHALL PULL CABLE FOR ACCESS CONTROL.
4. CONTRACTOR SHALL PROVIDE CONDUIT AND JUNCTION BOXES FOR A/V DEVICES. CONTRACTOR SHALL PULL CABLE FOR A/V DEVICES.
5. THE FOLLOWING ITEMS SHALL BE PROVIDED FOR AND INSTALLED BY MU DIVISION OF IT AND ARE NOT INCLUDED IN THIS CONTRACT FOR LOW VOLTAGE SYSTEMS:
   A. ALL LOW VOLTAGE CABLING
   B. DATA FACEPLATES AND WALL JACKS
   C. TERMINATIONS AND TESTING OF LOW VOLTAGE CABLING
   D. ALL IT EQUIPMENT INCLUDING RACKS, SWITCHES, PATCH PANELS, ETC.
   E. ALL A/V EQUIPMENT INCLUDING TVS, PROJECTORS, SPEAKERS, MICROPHONES, ETC.
   F. ALL ACCESS CONTROL/SECURITY EQUIPMENT INCLUDING CAMERAS, CARD READERS, MOTION DETECTORS, DOOR BELLS, ETC.

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UNIVERSITY PROJECT NUMBER: CP241934

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08/14/2025

SOA 25042

ELECTRICAL LEGENDS AND SYMBOLS

E002

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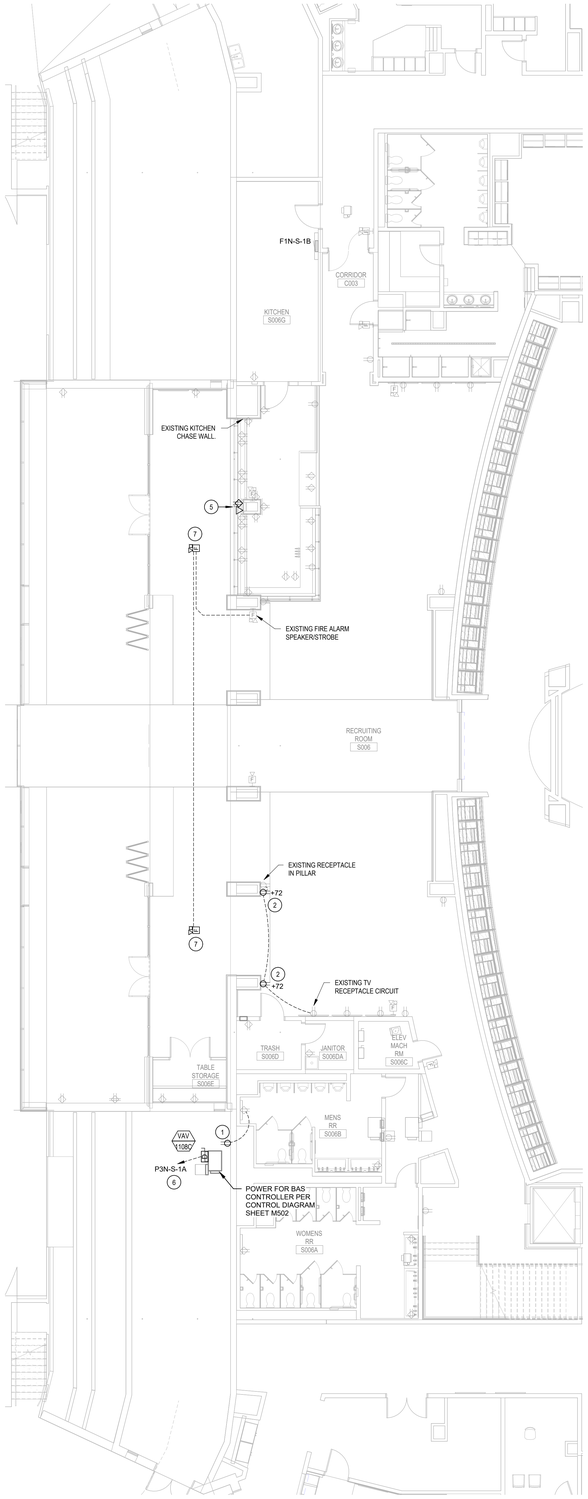
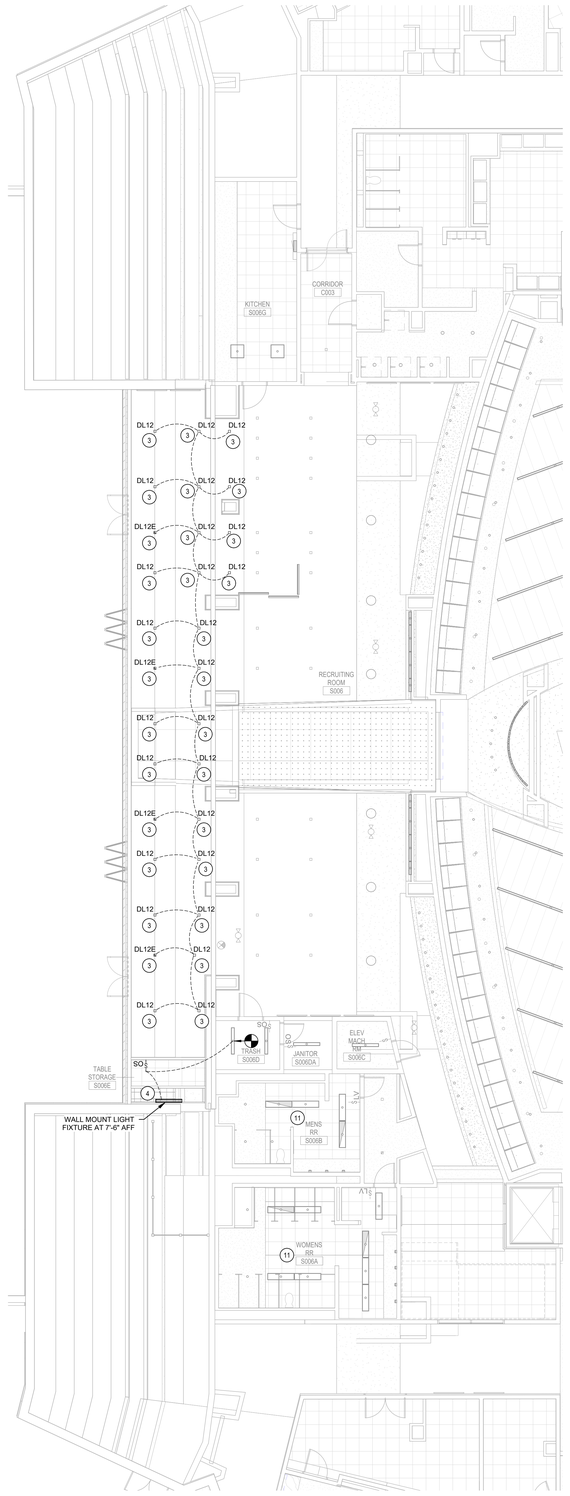
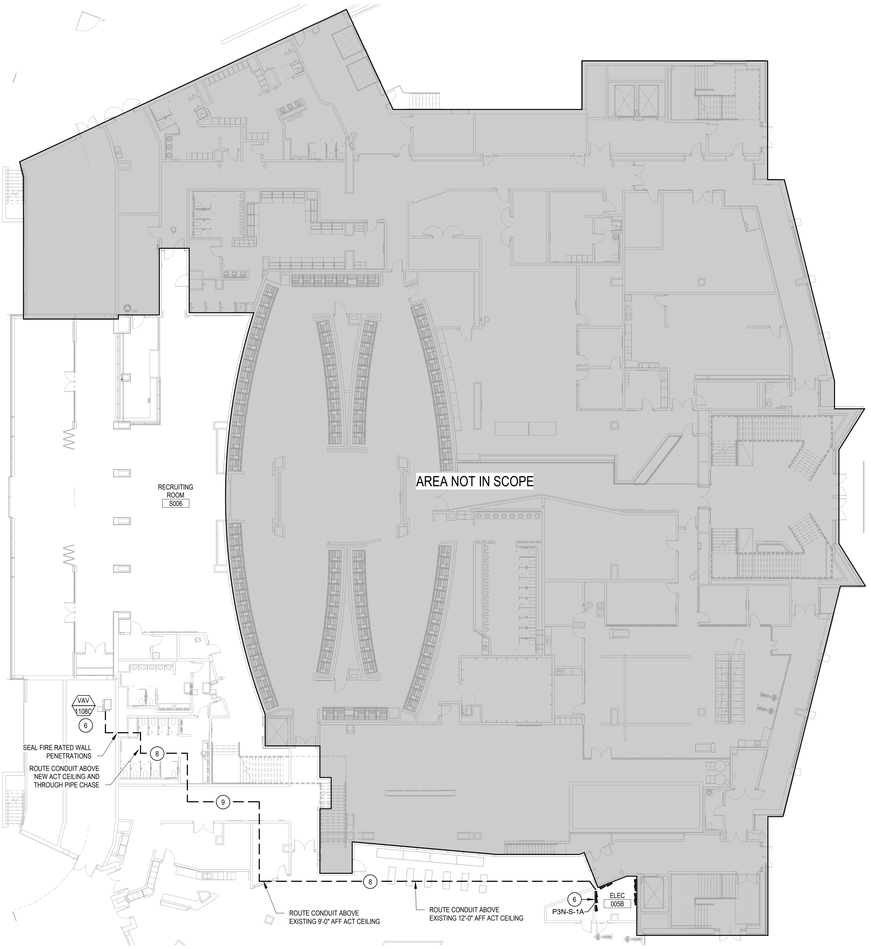


AREA G - RECRUITING ROOM - POWER PLAN
SCALE: 1/8" = 1'-0"



AREA G - RECRUITING ROOM - LIGHTING PLAN
SCALE: 1/8" = 1'-0"



AREA G - OVERALL ELECTRICAL PLAN
SCALE: 1/16" = 1'-0"

ELECTRICAL NEW WORK GENERAL NOTES

NOTES APPLY TO ALL ELECTRICAL NEW WORK SHEETS.

THE CONTRACTOR SHALL:

1. REFER TO E002 FOR REMAINING LIGHTING NOTES, LEGENDS, DETAILS & SCHEDULES.
2. 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.
3. EXISTING CEILING SYSTEMS AND HEIGHTS REFERENCED ARE BASED ON EXISTING RECORD DOCUMENTS OF THE SOUTH END ZONE. CONTRATOR SHALL FIELD VERIFY EXISTING HEIGHTS FOR CONTUIT ROUTINGS PRIOR TO ORDERING MATERIALS.
4. NEW CONDUIT AND CONDUCTORS SHALL BE ROUTED ABOVE EXISTING AND NEW CEILINGS UNLESS NOTED OTHERWISE. FIELD VERIFY ROUTING PRIOR TO ORDERING MATERIALS.

(#) SHEET NOTES

1. INSTALL NEW SURFACE MOUNTED RECEPTACLE AND CONNECT TO EXISTING RECEPTACLE CIRCUIT AS REQUIRED. SURFACE-MOUNT CONDUIT TO WALL.
2. INSTALL NEW RECEPTACLE AT 72" 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.
3. INSTALL NEW RECESSED LIGHT FIXTURE. TIE INTO EXISTING LIGHT FIXTURE CIRCUIT AND CONTROLS FOR THE OPEN RECRUITING ROOM AREA.
4. INSTALL NEW SURFACE MOUNTED LIGHT IN TABLE STORAGE ROOM. WIRE THRU EXISTING LIGHTING CIRCUIT SERVING ADJACENT TRASH ROOM.
5. 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.
6. ROUTE CIRCUIT FOR NEW VAV BOX TO NEW 30A-3B BREAKER IN EXISTING PANEL P3N-S-1A. SEE OVERALL PLAN FOR PANEL LOCATION AND ROUTING.
7. INSTALL NEW CEILING-MOUNTED FIRE ALARM SPEAKER/STROBE. EXTEND NOTIFICATION APPLIANCE STROBE AND SPEAKER CIRCUITS FROM EXISTING SPEAKER/STROBE AS REQUIRED.
8. CONDUIT AND CONDUCTORS FOR NEW VAV BOX ELECTRIC HEAT. ROUTING SHOWN IS APPROXIMATE AND SHOWN FOR REFERENCE ONLY IN COORDINATION WITH EXISTING CEILING SYSTEMS.
9. ROUTE EXPOSED CONDUIT AS HIGH AS POSSIBLE OR AT ELEVATIONS OF EXISTING ELECTRICAL CONDUITS, ABOVE DUCTWORK AND SPRINKLER PIPING. CONDUIT SHALL BE PAINTED BLACK. FIELD VERIFY EXISTING ROUTING THROUGH THIS CORRIDOR SPACE.
11. 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.

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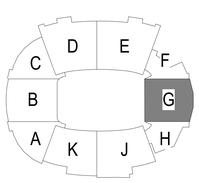
KEY PLAN



SOA 25042

RECRUITING ROOM - ELECTRICAL PLANS

E102

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LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	MODEL NO.	TYPE	VOLTS	AMPS	WATTS	LUMENS	CCT (°K)	CRI	LAMPS	REMARKS
DL12	TECH	E4SF-L083040AN010277 - E4SFB-OB	4" SQUARE DOWN LIGHT	277	0.06	17	1800	3000	80	LED	BLACK FLANGE
DL12E	TECH	E4SF-L083040AN010277 - E4SFB-OB	4" SQUARE DOWN LIGHT - EMERGENCY	277	0.09	23	2000	3000	80	LED	PROVIDE WITH 10W EMERGENCY LED DRIVER UL924 LISTED TO PROVIDE A MINIMUM OF 800 LUMENS FOR 90 MINUTES.
FL1	HE WILLIAMS	75-4-L50/835-WG-7514-LED-DRV-UNV	4' STRIP LIGHT	277	0.17	46	5000	3500	80	LED	

PANELBOARD: P3N-S-1A (EXISTING)

LOCATION: ELEC 005B
SUPPLY FROM: D3N-S-MSA
MOUNTING: SURFACE
ENCLOSURE: TYPE I SURFACE
VOLTS: 480Y/277 V
PHASES: 3
WIRES: 4
A.I.C. RATING: 22k
TYPE: MAIN LUG ONLY
RATING: 400 A

CKT	CIRCUIT DESCRIPTION	TRIP (A)	POLES	A		B		C		POLES	TRIP (A)	CIRCUIT DESCRIPTION	CKT
1	VAV 1106	20	1	0	0								2
3	VAV 1113	20	1			0	0			3	40	VAV 1101A	4
5	VAV 1114	20	1					0	0				6
7	VAV 1115	20	1	0	0								8
9	VAV 1116	20	1			0	0			3	40	VAV 1101B	10
11	VAV 1128	20	1					0	0				12
13	VAV 1130	20	1	0	0								14
15	BBH 1	20	1			0	0			3	15	VAV 1105	16
17	BBH 2	20	1					0	0				18
19	TF-4	20	1	0	0								20
21						0	0			3	15	VAV 1107	22
23	VAV 1108A	40	3					0	0				24
25				0	0								26
27						0	0			3	20	VAV 1111	28
29	VAV 1108B	40	3					0	0				30
31				0	0								32
33						24.2	0			3	20	VAV 1112	34
35	**NEW VAV-1108C**	30	3					24.2	0				36
37				24.2	0								38
39	EQUIPPED SPACE	--	1			--	0			3	15	VAV 1117	40
41	EQUIPPED SPACE	--	1					--	0				42
43	EQUIPPED SPACE	--	1	--	0								44
45	EQUIPPED SPACE	--	1			--	0			3	30	VAV 1118	46
47	EQUIPPED SPACE	--	1					--	0				48
49	EQUIPPED SPACE	--	1	--	0								50
51	EQUIPPED SPACE	--	1			--	0			3	20	FCU 2	52
53	EQUIPPED SPACE	--	1					--	0				54
55	EQUIPPED SPACE	--	1	--	0								56
57	EQUIPPED SPACE	--	1			--	0			3	15	SEP-2	58
59	EQUIPPED SPACE	--	1					--	0				60
61	EQUIPPED SPACE	--	1	--	0								62
63	EQUIPPED SPACE	--	1			--	0			3	15	EUH 14	64
65	EQUIPPED SPACE	--	1					--	0				66
67	EQUIPPED SPACE	--	1	--	0								68
69	EQUIPPED SPACE	--	1			--	0			3	50	CHILLER - RECOVERY POOL	70
71	EQUIPPED SPACE	--	1					--	0				72
73	EQUIPPED SPACE	--	1	--	0								74
75	EQUIPPED SPACE	--	1			--	0			3	25	REC POOL RECIRC PUMP	76
77	EQUIPPED SPACE	--	1					--	0				78
79	EQUIPPED SPACE	--	1	--	0								80
81	EQUIPPED SPACE	--	1			--	0			3	15	CUH 1	82
83	EQUIPPED SPACE	--	1					--	0				84
	TOTAL CONNECTED LOAD (AMPS):			24.2		24 A		24 A					
	TOTAL CONNECTED LOAD (VA):			6,700		6,700		6,700					
	CALCULATED DEMAND:			24.2 A				20.1 kVA					

NOTES:
BOLD TEXT INDICATES NEW BREAKER

LOAD CALCULATION

PANEL P3N-S-1A 400A MLO PANEL 480 VOLTS 3Ø	CONNECTED LOAD (kVA)	DEMAND FACTOR	CALCULATED DEMAND (kVA)
EXISTING LOAD PER 2018 PLANS	229	1.25	286.3
NEW LOAD	20.1	1	20.1
	0	1	0
	0	1	0
	0	1	0
	0	1	0
	0	1	0
	0	1	0
	0	1	0
TOTAL DEMAND LOAD (kVA)			306.4 kVA
TOTAL DEMAND CURRENT (@ 480V 3Ø)			368.5 AMPS

LOAD CALCULATION

TRANSFORMER D3N-S-SESA 1500 kVA UTILITY SERVICE 480 VOLTS 3Ø	CONNECTED LOAD (kVA)	DEMAND FACTOR	CALCULATED DEMAND (kVA)
EXISTING PEAK LOAD PER UTILITY	730	1.25	912.5
NEW LOAD	20.1	1	20.1
	0	1	0
	0	1	0
	0	1	0
	0	1	0
	0	1	0
	0	1	0
	0	1	0
TOTAL DEMAND LOAD (kVA)			932.6 kVA
TOTAL DEMAND CURRENT (@ 480V 3Ø)			1121.7 AMPS

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ELECTRICAL SCHEDULES & RISER

E502

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PLUMBING SYMBOLS

	CONNECT TO EXISTING
?	KEYNOTE
	ITEM TO BE DEMOLISHED
	PIPING TO BE DEMOLISHED
2"	AREA NOT IN CONTRACT
	PIPE SIZE TAG
E(XX)	EXISTING PIPE TAG
CW	DOMESTIC COLD WATER PIPING
SW	SOFTENED COLD WATER PIPING
FW	FILTERED COLD WATER PIPING
HW	HOT WATER PIPING
HWR	HOT WATER RECIRCULATION PIPING
SAN	SANITARY PIPING
V	VENT PIPING
CO	CONDENSATE DRAIN PIPING
GW	GREASE WASTE PIPING
D	INDIRECT WASTE PIPING
SD	STORM DRAIN PIPING
OD	OVERFLOW STORM DRAIN PIPING
G	STANDARD PRESSURE NATURAL GAS PIPING
MG	? PSI MEDIUM PRESSURE NATURAL GAS PIPING
	DOMESTIC WATER METER
	Y-STRAINER
	BALANCING VALVE
	CUT-OFF VALVE
	CHECK VALVE
	PRESSURE REGULATOR
	SOLENOID VALVE
	GAS VALVE
	FLOOR CLEANOUT
	WALL CLEANOUT
	FLOOR DRAIN
	FLOOR SINK
	VENT THRU ROOF
	ROOF DRAIN
	OVERFLOW DRAIN
	DOWNSPOUT NOZZLE
W	WATER CLOSET
U	URINAL
L	LAVATORY
SH	SHOWER
S/T	SHOWER/TUB
MS	MOP SINK
SK	KITCHEN SINK

EQUIPMENT ABBREVIATIONS

AC	AIR CONDITIONING UNIT	ET	EXPANSION TANK
ACC	AIR COOLED CONDENSER	EWH	ELECTRIC WALL HEATER
ACCU	AIR COOLING CONDENSING UNIT	FCU	FAN COIL UNIT
AHU	AIR HANDLING UNIT	FP	FIRE PUMP
AS	AIR SEPARATOR	GI	GREASE INTERCEPTOR
B	BOILER	GRV	GRAVITY ROOF VENTILATOR
CH	CHILLER	HWP	HEATING WATER PUMP
CT	COOLING TOWER	HX	HEAT EXCHANGER
CUH	CABINET UNIT HEATER	HRU	HEAT RECOVERY UNIT
CWP	CONDENSER WATER PUMP	PRV	POWER ROOF VENTILATOR
CHWP	CHILLED WATER PUMP	RE	RETURN/EXHAUST FAN
DBP	DOMESTIC WATER BOOSTER PUMP	RTU	ROOFTOP UNIT
DC	DUCT MOUNTED COIL	SEP	SEWAGE EJECTOR PUMP
DCP	DOMESTIC WATER CIRCULATING PUMP	SF	SUPPLY FAN
EF	EXHAUST FAN	SP	SUMP PUMP
EDC	ELECTRIC DUCT COIL	UH	UNIT HEATER
EUH	ELECTRIC UNIT HEATER	WH	WATER HEATER

ABBREVIATIONS

Ø	DIAMETER	HWR	HOT WATER RETURN
°	DEGREE	HYD	HYDRANT
ABV	ABOVE	ID	INDIRECT
AC	AIR CONDITIONING	IN	INCH
AD	AREA DRAIN	INV	INVERT
ADD	ADDENDUM	LB	POUND
AFF	ABOVE FINISHED FLOOR	LB/HR	POUNDS PER HOUR
ALT	ALTERNATE	LP	LOW PRESSURE
AP	ACCESS PANEL	MAX	MAXIMUM
ARCH	ARCHITECT/ARCHITECTURAL	MBH	ONE THOUSAND BTU PER HOUR
BFF	BELOW FINISHED FLOOR	MCF	ONE THOUSAND CUBIC FEET
BLW	BELOW	MECH	MECHANICAL
BTU	BRITISH THERMAL UNITS	MFR	MANUFACTURER
BTUH	BRITISH THERMAL UNITS PER HOUR	MIN	MINIMUM
CAP	CAPACITY	MISC	MISCELLANEOUS
CB	CATCH BASIN	MTR	MOTOR
CFM	CUBIC FEET PER MINUTE	NC	NORMALLY CLOSED
CLG	CEILING	NIC	NOT IN CONTRACT
CO	CLEAN OUT	NO	NORMALLY OPEN
CW	COLD WATER	NTS	NOT TO SCALE
DIA	DIAMETER	O	OXYGEN
DN	DOWN	OD	OVERFLOW ROOF DRAIN
DW	DISTILLED WATER	PD	PRESSURE DROP
EA	EACH	PIV	POST INDICATOR VALVE
EDF	ELECTRIC DRINKING FOUNTAIN	PLBG	PLUMBING
ELEC	ELECTRICAL	PRESS	PRESSURE
EQUIP	EQUIPMENT	PR	PRESSURE REGULATOR
E/A	EXHAUST AIR	PSI	POUNDS PER SQUARE INCH
EXIST	EXISTING	PSIG	POUNDS PER SQUARE INCH GAUGE
°F	DEGREES FAHRENHEIT	PWR	POWER
FCO	FLOOR CLEAN OUT	RD	ROOF DRAIN
FD	FLOOR DRAIN	REC	RECESSED
FL	FLOOR	RED	REDUCER
FO	FUEL OIL	RM	ROOM
FOV	FUEL OIL VENT	RPM	REVOLUTIONS PER MINUTE
FOR	FUEL OIL RETURN	RW	RAIN WATER
FOS	FUEL OIL SUPPLY	SF	SQUARE FOOT
FPHB	FROST-PROOF HOSE BIBB	SAN	SANITARY
FS	FLOOR SINK	SF	SQUARE FOOT
FT	FOOT/FEET	SP	STANDPIPE
G	GAS	STM	STEAM
GAL	GALLON	TDR	TRENCH DRAIN
GC	GENERAL CONTRACTOR	TEMP	TEMPERATURE
GPM	GALLONS PER MINUTE	TYP	TYPICAL
GW	GREASE WASTE	UG	UNDERGROUND
HB	HOSE BIBB	VAC	VACUUM
HP	HORSE POWER	V	VENT
HTG	HEATING	VTR	VENT THROUGH ROOF
HTR	HEATER	W	WASTE
HW	HOT WATER	WCO	WALL CLEAN OUT

GENERAL PLUMBING NOTES

1. COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS NECESSARY TO INSTALL ALL NEW PLUMBING SYSTEMS WITHIN THE CONFINES OF THE SPACES AVAILABLE AND WITHOUT INTERFERENCES.
2. PLANS ARE INTENDED TO INDICATE THE GENERAL SCOPE OF WORK. DETAILS OF INSTALLATION COVERED BY CODE AND OTHER MINOR ITEMS NOT SHOWN SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND ACCEPTABLE INDUSTRY STANDARDS. ALL MECHANICAL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND MANUFACTURER'S INSTRUCTIONS. CONTRACTOR SHALL SITE VERIFY EXISTING CONDITIONS.
3. DURING CONSTRUCTION, ALL FIXTURES, EQUIPMENT, PIPE, ETC. SHALL BE COVERED, PLUGGED, OR CAPPED AS REQUIRED TO KEEP CLEAN AND UNDAMAGED. ALL DAMAGED ITEMS SHALL BE RESTORED TO ORIGINAL CONDITION OR REPLACED. ALL PROTECTIVE COVERINGS SHALL BE REMOVED BEFORE FINAL ACCEPTANCE.
4. PROVIDE ALL CUTTING AND PATCHING OF WALLS, FLOORS, CEILINGS, AND ROOFS AS NEEDED TO INSTALL MECHANICAL SYSTEMS. PATCHING WORK SHALL INCLUDE METHODS AND MATERIALS NEEDED FOR AFFECTED SURFACES TO MATCH ADJACENT AREAS. SEAL AROUND ALL EXTERIOR WALL PENETRATIONS WEATHERTIGHT.
5. FIELD SUPPORT ALL MECHANICAL SYSTEM EQUIPMENT AND MATERIALS FROM STRUCTURE.
6. ARCHITECTURAL DRAWING DIMENSIONS SHALL GOVERN IN ALL CASES. COORDINATE ENGINEERING DRAWINGS WITH ARCHITECTURAL DRAWINGS FOR ALL EQUIPMENT LAYOUTS AND LOCATIONS.
7. ALL SYSTEMS SHALL BE COMPLETE AND OPERABLE IN EVERY WAY.
8. CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND UNDERSTANDING ALL DRAWINGS AND ASPECTS OF PROJECT SCOPE AND FOR INCLUDING IN HIS BID ALL WORK ASSOCIATED WITH HIS TRADE, REGARDLESS OF WHICH SHEET IT IS SHOWN ON.

FIRE PENETRATION NOTES

1. THIS PROJECT CONTAINS FIRE RATED ASSEMBLIES. LOCATIONS ARE INDICATED ON ARCHITECTURAL PLANS.
2. ALL CONTRACTORS SHALL PROVIDE PROTECTION FOR THEIR PENETRATIONS THRU THESE ASSEMBLIES AS FOLLOWS.
   A. FOR ALL PENETRATIONS THRU OR INTO FIRE RATED VERTICAL OR HORIZONTAL ASSEMBLIES:
      a. A UL LISTED PENETRATION FIRESTOP SYSTEM SHALL BE INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E814 OR UL 1479 (IBC 714.3)
      b. GENERAL CONTRACTOR TO PROVIDE AND MAINTAIN A BOOK WITH ALL FIRE PENETRATION PROTECTIVE SYSTEMS THAT WILL BE USED ON THIS PROJECT. THIS BOOK MUST REMAIN ON SITE AT ALL TIMES.

GENERAL FIRE PROTECTION NOTES

1. 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.
2. ALL FIRE PROTECTION SYSTEMS & COMPONENTS SHALL BE IN COMPLIANCE WITH NFPA SECTIONS 13, & 24 AS WELL AS LOCAL FIRE PREVENTION REQUIREMENTS.
3. FIRE SPRINKLER CONTRACTOR SHALL VERIFY WITH CURRENT NFPA THE SPRINKLER HEAD SPACING & DENSITY FOR ALL OCCUPANCY TYPES.
4. SUBCONTRACTOR SHALL DO ALL NECESSARY CUTTING & PATCHING, AS WELL AS ALL NECESSARY PIPE & EQUIPMENT SUPPORTS.
5. PRESSURE TEST MODIFICATIONS TO EXISTING SYSTEM & REPAIR ANY LEAKS. SUBCONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO PROPERTY & PERSONNEL CAUSED BY FAULTY INSTALLATION OR MATERIALS.
6. 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 HIS PIPING & 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.
7. AS REQUIRED, FIRE STOPPING SHALL BE DONE BY METHODS REQUIRED BY LOCAL AUTHORITIES. FIRE STOP MATERIALS SHALL BE HILTI SILICONE ELASTOMER OR EQUAL.
8. PROVIDE FIRE STOPPING AT ALL FLOOR & WALL PENETRATIONS.
9. 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.
10. 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.
11. PROVIDE FIRE DEPARTMENT CONNECTION THROUGH EXTERIOR BUILDING WALL WHERE SHOWN ON THE PLANS. COORDINATE THE EXACT LOCATION, PIPE THREADS AND FITTINGS WITH THE LOCAL FIRE DEPARTMENT TO ENSURE EXACT MATCH.
12. SPRINKLER HEAD TEMPERATURE RATINGS SHALL BE APPROPRIATE FOR THE AMBIENT CONDITIONS IN THE IMMEDIATE AREAS.
13. INSTALL HANGERS AND SUPPORTS FOR SPRINKLER PIPING ACCORDING TO NFPA 13. COMPLY WITH REQUIREMENTS FOR HANGER MATERIALS IN NFPA 13.
14. ALL SPRINKLER HEADS IN AREAS WITH CEILINGS SHALL BE THE FULL CONCEALED TYPE.
15. 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.

PLUMBING FIXTURE SCHEDULE - RECRUITING

MARK	DESCRIPTION	AREA SERVED	MANUFACTURER*	MODEL NO*	REMARKS
FD-2	EQUIPMENT FLOOR DRAIN	RECRUITING ROOM	JAY R. SMITH	#2110L (-B)	CAST IRON BODY, 8" ROUND, LOOSE, MEDIUM DUTY, CAST IRON GRATE, SEDIMENT BUCKET, BOTTOM OUTLET, SEEPAGE PAN, AND MEMBRANE FLASHING CLAMP. PROVIDE WITH TRAP SEAL EQUAL TO RECTORSEAL SURESEAL
TD-1	TRENCH DRAIN	RECRUITING ROOM	ZURN	Z-886-RPS-GL-PS	4" WIDE HIGH DENSITY POLYETHYLENE STRUCTURAL COMPOSITE TRENCH DRAIN WITH REINFORCED TYPE 304 STAINLESS STEEL CLASS B PERFERATED GRATE. CUT IN 20" SECTIONS FOR REQUIRED LENGTH AS SHOWN ON FLOOR PLAN. PROVIDE WITH END CAPS AND BOTTOM OUTLET WITH P-TRAP. INSTALL PER MANUFACTURERS RECOMMENDATIONS. PROVIDE WITH TRAP SEAL EQUAL TO RECTORSEAL SURESEAL.

NOTE:
ALL WORK SHALL COMPLY WITH THE INTERNATIONAL PLUMBING CODE

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Simon Oswald Associates, Inc.
MO Certificate of Authority: 000626

STATE OF MISSOURI
SHANE L. FLOYD
NUMBER PE-2019017814
PROFESSIONAL ENGINEER

Shane L. Floyd, P.E. OCT. 2, 2025
PE-2019017814

CUSTOM ENGINEERING
MECHANICAL & ELECTRICAL CONSULTANTS
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Thornton Tomasetti
(816) 221-7771
2345 Grand Blvd #900
Kansas City, MO 64108
MO Certificate of Authority: #

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

600 STADIUM BLVD
COLUMBIA, MO 65211

ISSUE FOR BID
08/14/2025

SOA 25042

PLUMBING & FIRE PROTECTION LEGENDS AND SYMBOLS

P002

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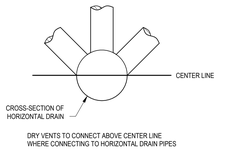
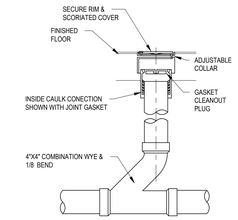


③ DRY VENT DETAIL
NTS



④ FLOOR CLEANOUT DETAIL
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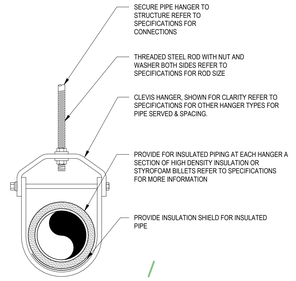

⑤ PIPE HANGER DETAIL
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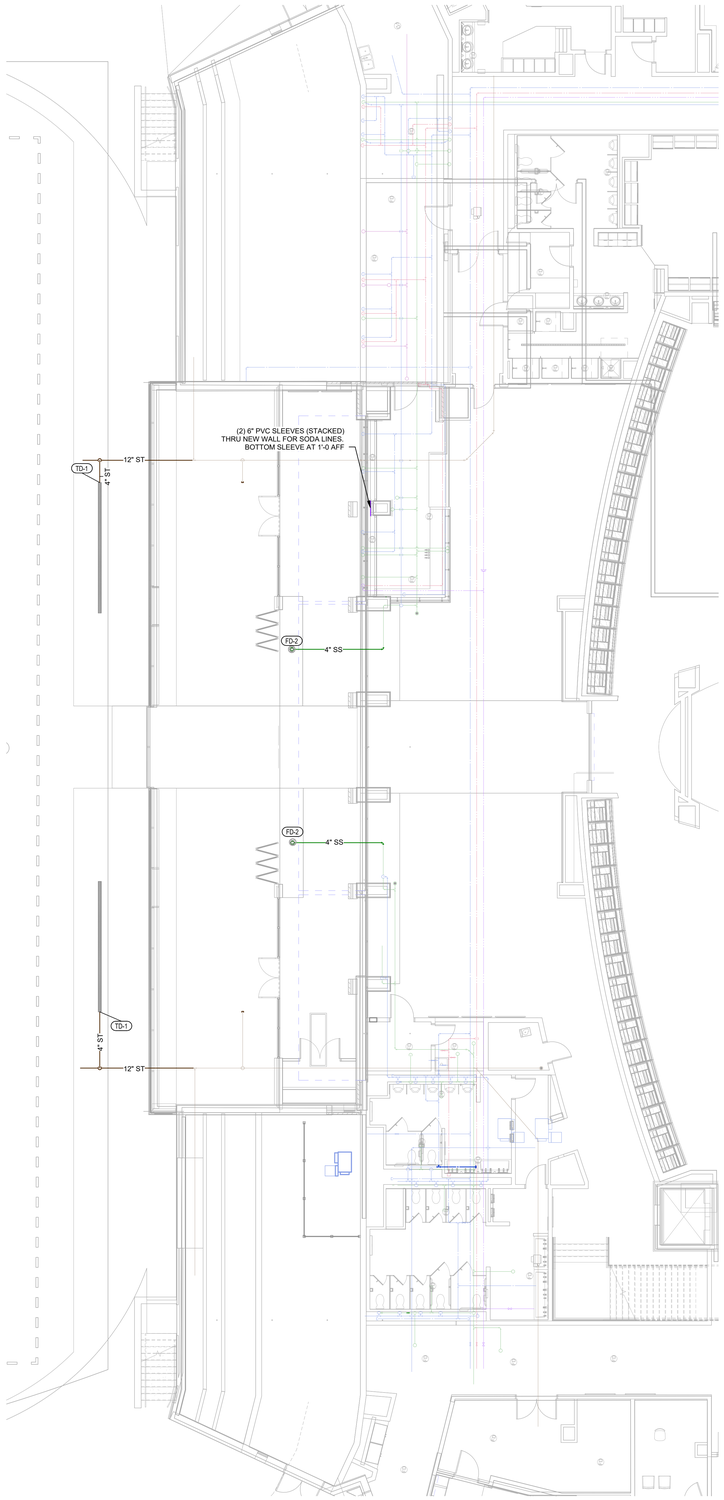

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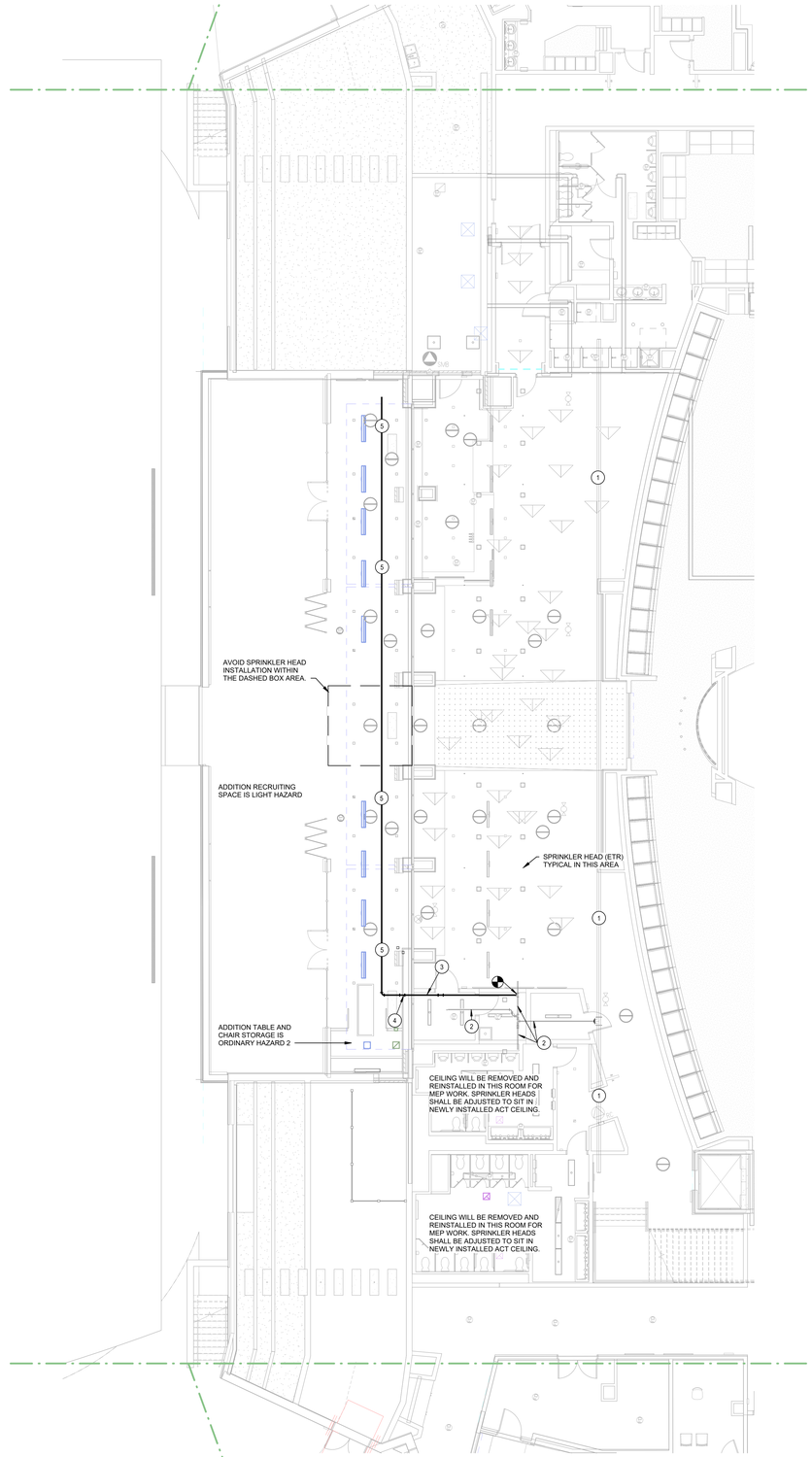
AREA G - RECRUITING ROOM - PLUMBING PLAN
SCALE: 1/8" = 1'-0"



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AREA G - RECRUITING ROOM - FIRE PROTECTION
SCALE: 1/8" = 1'-0"

PLUMBING NEW WORK GENERAL NOTES

NOTES APPLY TO ALL PLUMBING NEW WORK SHEETS.

THE CONTRACTOR SHALL:

A. REFER TO P002 FOR REMAINING LIGHTING NOTES, LEGENDS, DETAILS & SCHEDULES.
B. FIELD VERIFY ALL NEW WATER, WASTE, AND VENT PIPING CONNECTIONS AND PROVIDE NEW CONNECTIONS AS REQUIRED FOR PROPERLY OPERATING SYSTEMS.
C. 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.
D. FIELD VERIFY LOCATION AND INVERTS OF SITE UTILITIES PRIOR TO INSTALLATION. OTHERWISE, REFER TO CIVIL PLANS.
E. WASTE AND VENT PIPING BELOW FLOOR AND THROUGH FLOOR SHALL BE 3" MINIMUM.
F. PROVIDE CLEANOUT IN ACCESSABLE LOCATION AT THE BASE OF ALL PLUMBING RISERS.
G. 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 TIE INTO.
H. 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.
I. UPON DEMOLITION OF EXISTING PLUMBING CHASE WALLS, CONTRACTOR SHALL FIELD LOCATE EXTISTING SANITARY CLEANOUTS / END OF ABOVE GRADE SANITARY RUNS AND INFORM ARCHITECT AND ENGINEER OF PLACEMENTS FOR COORDINATION OF ACCESS PANELS.
J. ALL VALVES SHALL BE ACCESSIBLE FROM THE FLOOR

GENERAL FIRE PROTECTION NOTES

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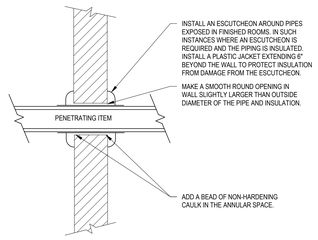
DEFERRED SUBMITTAL NOTES

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

SHEET NOTES

1 6" SPRINKLER PIPE (ETR) SHOWN FOR REFERENCE ONLY.
2 SPRINKLER PIPE (ETR) SHOWN FOR REFERENCE ONLY.
3 ROUTE NEW SPRINKLER PIPE ABOVE LIGHTS AND ROUTE TO FOLLOW TIGHT TO THE SLOPE OF STRUCTURE IN THIS ROOM.
4 CORE DRILL THRU BLOCK WALL TO ROUTE NEW SPRINKLER PIPE THRU WALL ABOVE ADDITION CEILING SPACE (MIN. 8'-4 AFF). COORDINATE LOCATION WITH EXISTING MEP AND LOW VOLTAGE SYSTEMS CURRENTLY INSTALLED.
5 ROUTE NEW SPRINKLER PIPING ABOVE CEILING OF NEW ADDITION SPACE (MIN. 8'-4 AFF). ROUTING IS SHOWN TO REPRESENT APPROXIMATE PATH AND ROUTING. FIRE SPRINKLER CONTRACTOR SHALL VERIFY EXACT ROUTING, HEIGHTS, AND SIZING AND SUBMIT VIA DEFERRED SUBMITTAL.

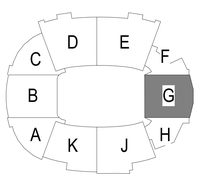


NOTES:

1. 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 AIRTIGHT AROUND INSULATED AND UNINSULATED PIPES FOR NOISE TRANSMISSION CONTROL.
2. FLOOR OPENINGS ARE SIMILAR SEE SPEC

⑥ WALL PENETRATION - NON-FIRE RATED
NTS

KEY PLAN



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STATE OF MISSOURI
SHANE L. FLOYD
NUMBER PE-2019017814
PROFESSIONAL ENGINEER
Shane L. Floyd, P.E. OCT. 2, 2025
PE-2019017814

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

600 STADIUM BLVD
COLUMBIA, MO 6211

ISSUE FOR BID
08/14/2025

SOA 25042

FIELD LEVEL - RECRUITING - PLUMBING & FIRE PROTECTION PLAN

P102

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