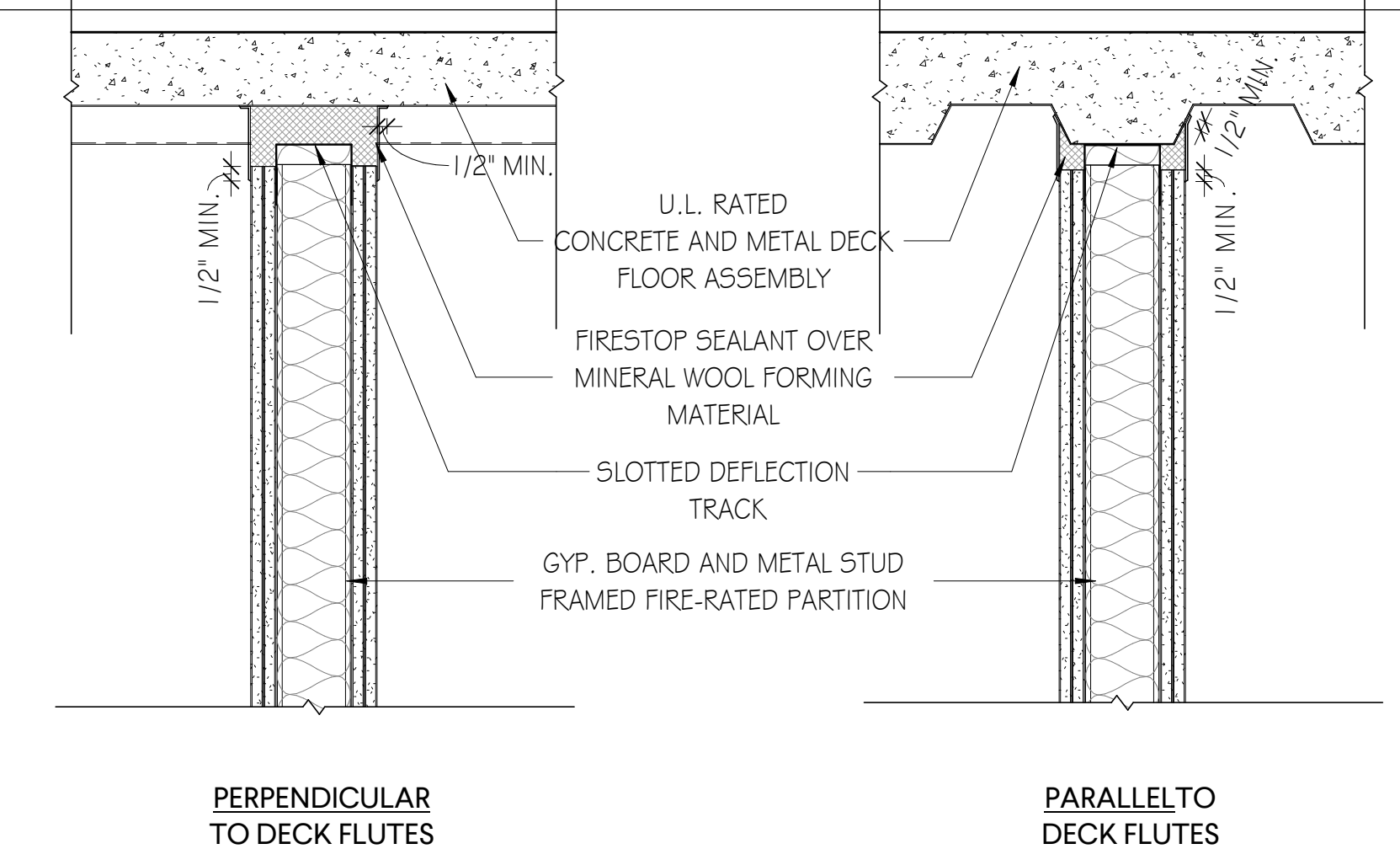


GENERAL NOTES

THE GENERAL NOTES BELOW ARE INTENDED TO COMPLEMENT, RATHER THAN REPLACE, REQUIREMENTS PUT FORTH BY THE PROJECT SPECIFICATIONS. SHOULD A DISCREPANCY BE FOUND BETWEEN THESE GENERAL NOTES AND THE PROJECT SPECIFICATIONS THE GC SHALL NOTIFY THE ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING.

A	DIVISION 1 - GENERAL REQUIREMENTS	B	DIVISION 2 - EXISTING CONDITIONS	I	DIVISION 9 - FINISHES	M	DIVISION 13 - SPECIAL CONSTRUCTION		
K	<p>1.01. COMPLETE CONTRACT DOCUMENTS: COMPLETE DRAWINGS, SPECIFICATIONS, ADDENDA, AND CLARIFICATIONS ISSUED BY FIELD ORDER OR SIMILAR INSTRUMENTS CONSTITUTE THE CONTRACT DOCUMENTS AND SHALL REMAIN INTACT. GENERAL CONTRACTOR IS FULLY RESPONSIBLE FOR COMPLIANCE WITH THE REQUIREMENTS INCLUDED, OR REASONABLY INFERRED THEREIN. CONSTRUCTION MANAGER OR GENERAL CONTRACTOR (AS APPLICABLE) MUST NOT ISSUE PARTIAL SETS OR OTHERWISE CAUSE INCOMPLETE CONTRACT INFORMATION TO BE PROVIDED TO PARTIES TO THE CONTRACT, INCLUDING ASSOCIATED SUB-CONTRACTORS, OR SUB-SUB-CONTRACTORS.</p> <p>1.02. MULTI-TRADE COORDINATION: ALL WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES TO AVOID INTERFERENCES AND CONFLICTS. NO ALLOWANCES WILL BE MADE FOR CONTRACTORS FAILURE TO COORDINATE BETWEEN MULTIPLE DISCIPLINES, SYSTEMS OR EQUIPMENT. UNCOORDINATED WORK THAT RESULTS IN THE INEFFICIENT USE OF AVAILABLE SPACE AND/OR ENCROACHES ON THE WORK OF OTHER TRADES WILL BE SUBJECT TO REJECTION AND RE-INSTALLATION.</p> <p>1.03. VERIFICATION: GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, CONSTRUCTION, MATERIALS, METHODS OF CONSTRUCTION, GRADES AND ELEVATIONS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR CONFLICTS WITHIN THE DOCUMENTS PRIOR TO BID. CONSTRUCTION, AND/OR INSTALLATION OF ASSOCIATED WORK. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE THAT THE EXISTING CONDITIONS ARE CONSISTENT WITH THOSE OF THE CONTRACT DOCUMENTS. ANY CHANGE ORDER REQUEST ASSOCIATED WITH AN IDENTIFIABLE EXISTING CONDITION, WHETHER IN CONFLICT OR COMPLIANCE WITH THE CONTRACT DOCUMENTS, WILL NOT BE ACCEPTED. THIS PROVISION SHALL NOT APPLY TO WORK PERFORMED UNDER UNIT PRICE OR ALLOWANCE FEE STRUCTURES.</p> <p>1.04. DISCREPANCIES: GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT PROMPTLY UPON IDENTIFICATION OF ANY DISCREPANCIES OR CONFLICTS IN THE CONTRACT DOCUMENTS, WITH THE OBJECTIVE OF RESOLVING THE CONFLICT OR DISCREPANCY IN A TIMELY MANNER AND PRIOR TO ANY IMPACT TO CONTRACT TIME OR CONTRACT COST. GENERAL CONTRACTOR SHALL INCLUDE THE MORE EXPENSIVE, COMPLEX, AND TIME CONSUMING COMPONENTS OF ANY DISCREPANCIES IN THE BASE BID PRICE. FAILURE TO NOTIFY THE ARCHITECT PROMPTLY OF A KNOWN DISCREPANCY CONSTITUTES ACCEPTANCE OF FULL RESPONSIBILITY FOR THE ASSOCIATED COST AND SCHEDULE IMPACT.</p> <p>1.05. DRAWING SCALE: REPROGRAPHIC TECHNIQUES MAY RENDER DRAWINGS DIFFERENTLY THAN THE INTENDED PRINTED SCALE. THEREFORE, DO NOT RELY UPON THE SCALE OF ANY PRINTED DRAWINGS. CONTACT THE ARCHITECT FOR REQUIRED DIMENSIONS THAT ARE NOT PROVIDED CLEARLY IN NUMERIC FORM HEREIN. FAILURE TO REQUEST CRITICAL DIMENSIONAL INFORMATION FROM THE ARCHITECT MAY RESULT IN THE REJECTION OF INSTALLED WORK.</p> <p>1.06. DIMENSIONAL STANDARDS: STANDARD DIMENSION CONVENTIONS UTILIZED HEREIN CALL FOR DIMENSIONS TO FACE OF STUD (MASONRY) OF FINISHED PARTITION, FACE OF FINISH, OR CENTERLINE OF COLUMN LINE OR OTHER REFERENCE LINE, UNLESS OTHERWISE NOTED OR GRAPHICALLY ILLUSTRATED. DIMENSIONS NOTED AS "CLEAR", "MIN", OR "MAX" SHALL BE STRICTLY ENFORCED.</p> <p>1.07. PM SOFTWARE: PROCURE AS REFERENCED IN SPECIFICATIONS</p> <p>1.08. PERMITTING: THE GENERAL CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY AND REQUIRED PERMITS AND APPROVALS FROM JURISDICTIONAL AUTHORITIES, PRIOR TO COMMENCING THE WORK. THIS REQUIREMENT SHALL APPLY TO ON-SITE AND OFF-SITE WORK REQUIRED BY THE CONTRACT DOCUMENTS.</p> <p>1.09. CODE COMPLIANCE: THE WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH ALL APPLICABLE LAWS, CODES, AND ORDINANCE. THE GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL PERFORM THEIR WORK IN COMPLIANCE WITH ALL APPLICABLE BUILDING CODES, LAWS, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL CAREFULLY READ AND FAMILIARIZE THEMSELVES WITH THE CODE COMPLIANCE DATA INCLUDED IN THE DRAWINGS AND SPECIFICATIONS.</p> <p>1.10. NON-COMBUSTIBLE CONSTRUCTION TYPES: THE PROPOSED BUILDING STRUCTURE IS NON-COMBUSTIBLE IN ACCORDANCE WITH APPLICABLE CODES, AND THEREFORE REQUIRES NON-COMBUSTIBLE CONSTRUCTION TECHNIQUES. ALL NEW CONSTRUCTION SHALL BE IN COMPLIANCE WITH APPLICABLE REQUIREMENTS, INCLUDING WOOD BLOCKING, FURRING, FRAMING, SHEATHING, BACK-BOARDS, AND RELATED WORK. FIRE RETARDANT TREATED (FRT) IS PERMITTED WHERE ALLOWED BY CODE. SEE CODE COMPLIANCE DRAWINGS FOR DETAILED INFORMATION AND REQUIREMENTS.</p> <p>1.11. TEMPORARY GUARDS: THE GENERAL CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY GUARDS AT ALL SLAB EDGES, PIT EDGES, ELEVATED PLATFORM EDGES, AND SIMILAR CONDITIONS WHERE REQUIRED BY OSHA, ANY APPLICABLE CODE OR ORDINANCE, AND AT MINIMUM ALL CHANGES IN ELEVATION IN EXCESS OF THIRTY INCHES (30") INCLUDING BOTH SIDES OF STAIRS AND LADDERS. TEMPORARY GUARDS MUST BE MAINTAINED UNTIL THE PERMANENT GUARDS ARE INSTALLED.</p> <p>1.12. LIFE-SAFETY MEASURES DURING CONSTRUCTION: THE GENERAL CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS REQUIRED BY OSHA, CODE, AND OTHER APPLICABLE REGULATORY AUTHORITIES.</p> <p>1.13. MEANS OF EGRESS: THE GENERAL CONTRACTOR SHALL MAINTAIN CLEAR AND UNOBSTRUCTED MEANS OF EGRESS AT ALL TIMES DURING CONSTRUCTION, WITHOUT EXCEPTION.</p> <p>1.14. CONSTRUCTION LOADS: THE GENERAL CONTRACTOR SHALL NEVER LOAD NEW OR EXISTING CONSTRUCTION BEYOND ITS DESIGN CAPACITY WITH STORED MATERIAL, CONSTRUCTION EQUIPMENT, TEMPORARY LOADS ASSOCIATED WITH MATERIAL MOVEMENT, HOISTING, STORAGE, OR SIMILAR CONDITIONS.</p> <p>1.15. GENERAL CLEAN-UP: THE GENERAL CONTRACTOR SHALL INCLUDE ONGOING CLEAN-UP OF THE PROPERTY AND BUILDING, INCLUDING REMOVAL OF TRASH AND WASTE MATERIALS, ON A REGULAR BASIS DURING CONSTRUCTION. RECYCLING OF CONSTRUCTION WASTE IS ENCOURAGED.</p> <p>1.16. OWNER FURNISHED EQUIPMENT: LOOSE FURNISHINGS, WORKSTATIONS, OFFICE EQUIPMENT, COPIERS, VENDING MACHINES, KITCHEN EQUIPMENT, AND SIMILAR ITEMS THAT ARE BOTH LABELED "OWNER FURNISHED" OR "OF/OI", AND SHOWN DASHED OR IN GRAY-TONE SHALL BE CONSIDERED OWNER-FURNISHED EQUIPMENT. OWNER-FURNISHED EQUIPMENT IS SHOWN FOR THE GENERAL CONTRACTOR'S KNOWLEDGE AND UNDERSTANDING TO FACILITATE COORDINATION WITH THE OWNER'S WORK. THE GENERAL CONTRACTOR SHALL CAREFULLY REVIEW THE SCOPE OF WORK, AND REQUEST CLARIFICATION FROM THE ARCHITECT IN THE EVENT OF ANY UNCERTAINTY ABOUT THE DEFINITION OF OWNER FURNISHED WORK.</p> <p>1.17. TEMPORARY BRACING: PRIOR TO REMOVAL OF ANY EXISTING STRUCTURAL ELEMENTS, THE GENERAL CONTRACTOR SHALL TEMPORARILY SHORE AND/OR BRACE EXISTING CONSTRUCTION TO REMAIN AS REQUIRED TO SUPPORT EXISTING LOADS AND/OR LOADS IMPOSED DURING CONSTRUCTION. FURTHER, THE GENERAL CONTRACTOR SHALL DESIGN, INSTALL AND MAINTAIN ANY TEMPORARY BRACING OR SUPPORT FRAMING REQUIRED TO SUPPORT NEW CONSTRUCTION COMPONENTS WHICH ARE NOT FULLY SECURED IN A COMPLETE STRUCTURAL ASSEMBLY, OR ARE OTHERWISE SUBJECTED TO LOADS IN EXCESS OF THE POST-CONSTRUCTION LOADS FOR WHICH THE ELEMENT IS DESIGNED.</p>	<p>2.01. POSITIVE DRAINAGE AT BUILDING: SLOPE EXTERIOR GRADE AWAY FROM THE BUILDING IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE.</p> <p>2.02. SITE PAVING EXPANSION AND CONTROL JOINTS: WHETHER SPECIFICALLY INDICATED OR NOT, PROVIDE CONTROL JOINTS IN ALL SITE CONCRETE PAVING FOR PEDESTRIAN TRAFFIC AT AN INTERVAL OF NO MORE THAN FIVE FEET (5') EACH WAY. IN ADDITION, PROVIDE CONTROL JOINTS AT NO MORE THAN THIRTY FOOT (30') INTERVAL, EACH WAY. ALL EXPANSION JOINTS, INCLUDING THOSE BETWEEN HORIZONTAL PAVING AND VERTICAL ABUTMENTS, SHALL RECEIVE SPECIFIED JOINT FILLER, AS SPECIFIED IN SECTION 079000.</p>	<p>3.01. SLAB-ON-GRADE: SEE SPECIFICATION SECTION 033000 FOR DETAILED REQUIREMENTS OF SLAB-ON-GRADE CONSTRUCTION, INCLUDING REQUIREMENTS FOR REINFORCING, CONCRETE ADMIXTURES, VAPOR BARRIER, AND SURFACE TREATMENTS (IF ANY). ALL SLAB-ON-GRADE CONSTRUCTION SHALL BE INSTALLED OVER MINIMUM FOUR INCH (4") THICK COMPACTED POROUS DRAINAGE LAYER UNLESS NOTED OTHERWISE.</p> <p>3.02. SLAB EXPANSION AND CONTROL JOINTS: SEE STRUCTURAL DRAWINGS FOR REQUIRED SLAB EXPANSION AND CONTROL JOINTS. ALL EXPANSION JOINTS AND CONTROL JOINTS IN FLOOR SLABS, AND BETWEEN FLOOR SLABS AND VERTICAL ABUTMENTS SHALL RECEIVE TRAFFIC BEARING SEALANT JOINT MATERIAL.</p> <p>3.03. CORE DRILLING - FLOOR SLABS: THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF THE LOCATION AND DIMENSION OF ANY PROPOSED CORES THROUGH STRUCTURAL FLOOR SLABS, PRIOR TO COMMENCING CORING ACTIVITIES. CORE DRILLING IS STRICTLY PROHIBITED (SLEEVES ONLY) IN ANY POST-TENSIONED STRUCTURED FLOOR SLAB ASSEMBLIES.</p> <p>3.04. FLOOR LOADING DURING CONSTRUCTION: NO LOADS EXCEEDING THE SPECIFIED FLOOR LIVE LOAD INCLUDING CONSTRUCTION EQUIPMENT OR LIFTS SHALL BE PLACED ON THE ELEVATED SLABS WITHOUT REVIEW AND APPROVAL OF THE STRUCTURAL ENGINEER. ANY REQUESTS SHALL BE MADE IN WRITING BY THE GENERAL CONTRACTOR INCLUDING CUT SHEETS AND PROPOSED LOADING CRITERIA. DO NOT PROCEED UNTIL WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER HAS BEEN PROVIDED.</p>	<p>4.01. SEAL VENEER ANCHORS: ALL EXTERIOR VENEER SYSTEM ANCHORS SHALL BE SET IN FULL, FRESH BED OF TROWEL GRADE AIRMOISTURE BARRIER COATING, OR DOW 795 OR EQUIVALENT AT THE PLANE OF THE AIR MOISTURE BARRIER.</p>	<p>5.01. EMBEDDED STEEL: ALL MISCELLANEOUS STEEL ITEMS INCLUDING STEEL EDGE ANGLES, EMBEDDED PLATE, AND SIMILAR WORK SHALL BE HOT-DIPPED GALVANIZED. THIS PROVISION DOES NOT APPLY TO REINFORCING STEEL, WHICH SHALL COMPLY WITH SPECIFICATION DIVISION 033000.</p>	<p>6.01. WOOD IN CONTACT WITH CONCRETE/ MASONRY: ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY CONSTRUCTION SHALL BE PRESSURE TREATED (PT) UNLESS OTHERWISE NOTED TO BE FIRE RETARDANT TREATED (FRT).</p> <p>6.02. FIELD VERIFICATION: THE CASEWORK OR MILLWORK CONTRACTOR SHALL OBTAIN AND VERIFY ALL FIELD MEASUREMENTS AND CONDITIONS AFFECTING HIS WORK AND SHALL BE RESPONSIBLE FOR ALL DETAILS AND DIMENSIONS ASSURING PRECISION AND PROPER ASSEMBLY OF HIS PRODUCTS.</p> <p>6.03. MILLWORK BASE: PROVIDE FINISHED BASE TO MATCH MATERIAL AND FINISH OF ADJACENT SCHEDULED WALL BASE, AT TOE-KICK AT ALL EXPOSED FRONT, SIDE, AND REAR FACES OF MILLWORK OR CASEWORK.</p> <p>6.04. MILLWORK SPLASH: PROVIDE BACKSPASH AT ALL COUNTERTOPS UNLESS OTHERWISE INDICATED ON PLAN. PROVIDE SIDESPLASH OF SAME MATERIAL, DIMENSION, AND FINISH EVERYWHERE A COUNTERTOP BACKSPASH ABUTS A VERTICAL WALL SURFACE AT ONE OR MORE OF ITS SIDES UNLESS OTHERWISE INDICATED ON PLAN.</p>	<p>7.01. GENERAL SEALANTS: CONTINUOUSLY SEAL PERIMETER OF ALL DOOR AND WINDOW FRAMES, MILLWORK AND CASEWORK, TRIM, CABINETS, AND SIMILAR FIXED CONSTRUCTION WITH PAINTABLE, SILICONIZED LATEX SEALANT. ALL VERTICAL SURFACE CONTROL AND EXPANSION JOINTS AT MASONRY WALLS SHALL BE CONTINUOUSLY SEALED, BOTH SIDES OF JOINT.</p> <p>7.02. SLOPE TO DRAIN: ALL ROOF SURFACES SHALL BE SLOPED TO DRAIN, WITH MINIMUM PITCH OF 1/4" PER LINEAR FOOT. PROVIDE TAPERED INSULATION, CRICKETS AS NECESSARY TO ASSURE THE MINIMUM SLOPE IS ACHIEVED.</p> <p>7.03. WALK-PADS: FURNISH AND INSTALL COMPATIBLE ROOF WALK-PADS AT ALL MEMBRANE ROOF SURFACES THAT ARE TRAVELED TO ACCESS SERVICEABLE ROOFTOP EQUIPMENT SUCH AS HVAC UNITS, FANS, ELECTRICAL EQUIPMENT, AND SIMILAR EQUIPMENT REQUIRING SERVICE ACCESS.</p>	<p>9.01. INDOOR ENVIRONMENTAL CONDITIONS: NO INTERIOR SOFT CONSTRUCTION (IE. DRYWALL, CEILINGS, CARPET, MILLWORK, OR SIMILAR WORK THAT IS SUBJECT TO TEMPERATURE AND HUMIDITY INSTABILITY) SHALL COMMENCE, NOR SHALL MATERIALS BE STORED ON SITE, UNTIL STABLE INTERIOR ENVIRONMENTAL CONDITIONS ACCEPTABLE TO THE PRODUCT MANUFACTURER ARE PROVIDED AND IN PLACE FOR A DURATION SUFFICIENT TO ESTABLISH CONSISTENT AND ACCEPTABLE INDOOR TEMPERATURE AND HUMIDITY LEVELS. FAILURE TO PROVIDE AN INDOOR ENVIRONMENT IN STRICT COMPLIANCE WITH THE PRODUCT MANUFACTURERS PRINTED REQUIREMENTS WILL SUBJECT THE INSTALLING CONTRACTOR TO FULL RESPONSIBILITY FOR ANY COSTS ASSOCIATED WITH RE-WORK DUE TO MOLD OR MILDEW GROWTH, WARPING, CUPPING, DE-LAMINATION, OR SIMILAR DETERIORATION OF THE STORED OR INSTALLED CONSTRUCTION.</p> <p>9.02. FLOOR & WALL TILE: INSTALL FLOOR AND WALL TILE IN ALL SCHEDULED AREAS IN ACCORDANCE WITH APPLICABLE TILE COUNCIL OF AMERICA (TCA) METHOD.</p> <p>9.03. FLOOR FINISH TRANSITIONS: UNLESS OTHERWISE INDICATED, TRANSITION FLOOR FINISHES AT CENTERLINE OF DOOR IN CLOSED LOCATION. TRANSITION FLOOR MATERIAL UNDER CENTER OF DOORS & WHERE NOTED. PROVIDE SCHEDULED TRANSITION MATERIALS AT CHANGES IN FLOOR MATERIAL TYPE.</p> <p>9.04. PARTITIONS: SEE PARTITION NOTES AND SPECIFICATIONS FOR REQUIREMENTS OF PARTITION CONSTRUCTION.</p> <p>9.05. EQUIPMENT ACCESS DOORS: THE GENERAL CONTRACTOR SHALL PROVIDE PROPOSED LOCATION OF CEILING ACCESS DOORS TO THE ARCHITECT FOR APPROVAL. ACCESS DOORS SHALL BE PAINTED TO MATCH ADJACENT FINISH.</p> <p>9.06. CASEWORK AND MILLWORK ANCHORAGE: COORDINATE INSTALLATION OF IN-WALL STEEL ANCHORAGE, GROUNDING, AND REQUIRED BLOCKING WITH OTHER TRADES FOR PRECISE LOCATION.</p> <p>9.07. PARTITION COORDINATION WITH OTHER TRADES: (A) COORDINATE BETWEEN TRAPING, CONDUITS, AND DUCTWORK WITH A MINIMUM OF CUTTING BY OTHER TRADES. (B) EXCEPT FOR PIPING LOCATED IN EQUIPMENT ROOMS, ALL PIPING INSIDE THE BUILDING SHALL BE CONCEALED WITHIN PARTITIONS AND FURRED SPACES. WHERE IT OCCURS THAT PIPING CANNOT BE EASILY CONCEALED, NOTIFY THE ARCHITECT IN WRITING FOR CLARIFICATION. IN ANY CASE, SUCH PIPING SHALL BE CONCEALED AT NO ADDITIONAL COST. (C) COORDINATE WITH OTHER TRADES AND OWNERS' SCHEDULED EQUIPMENT VENDORS FOR SUPPORT REQUIREMENTS OF WALL-MOUNTED AND SUSPENDED ITEMS. SIZE STUD GAUGE AND SPACING MUST BE ABLE TO SUPPORT ANY ADDITIONAL LOADS IMPOSED BY THESE ITEMS. MAX. DEFLECTION 1/360 @ 5 PSF HORIZ. LOAD. (D) PROVIDE AND INSTALL ALL BLOCKING, STIFFENERS, BRACES, BACK-UP PLATES, AND SUPPORTING BRACKETS AS REQUIRED FOR THE INSTALLATION OF WALL-MOUNTED OR SUSPENDED MECHANICAL ELECTRICAL, CASEWORK, MILLWORK AND ANY OTHER MISCELLANEOUS EQUIPMENT OR WALL-MOUNTED ACCESSORIES. (E) ANY ADDITIONAL WORK OR, RE-WORK, AS A RESULT OF A FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL NOT BE GIVEN CONSIDERATION FOR CHANGE ORDER.</p> <p>9.08. FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIER IDENTIFICATION (A) FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIERS SHALL BE PERMANENTLY LABELED IN RED STENCILED LETTERING ABOVE FINISHED CEILING AT 1'-0" ABOVE CEILING. 1. EACH NEW FIRE WALL, FIRE BARRIER, FIRE PARTITION, SMOKE BARRIER, SMOKE PARTITION, OR ANY OTHER NEW WALL REQUIRED TO HAVE PROTECTED OPENINGS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING ABOVE ANY DECORATIVE CEILING AND IN CONCEALED SPACES WITH THE WORDING, "FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS", OR SIMILAR LANGUAGE. SUCH SIGNS OR STENCILING SHALL BE IN 4 INCH HIGH LETTERS, 1/2 INCH STROKE, AND NOT MORE THAN 1 5 FEET ON-CENTER. (B) UNLESS OTHERWISE REQUIRED OTHERWISE BY LOCAL JURISDICTION IDENTIFY RATED PARTITIONS AND WALLS AS FOLLOWS (G.C. MUST CONFIRM VERBIAGE WITH LOCAL AHA) : 1-HOUR FIRE BARRIER - PROTECT ALL OPENINGS 1-HOUR FIRE & SMOKE BARRIER - PROTECT ALL OPENINGS 2-HOUR FIRE BARRIER - PROTECT ALL OPENINGS 2-HOUR FIRE & SMOKE BARRIER - PROTECT ALL OPENINGS 3-HOUR FIRE WALL - PROTECT ALL OPENINGS 4-HOUR FIRE WALL - PROTECT ALL OPENINGS</p>	<p>14.01. STRUCTURAL FOUNDATION COORDINATION: COORDINATE EXACT BOTTOM OF ELEVATOR SHAFT WITH PIT DEPTH REQUIREMENTS OF SELECTED ELEVATOR MANUFACTURER. EXACT LOCATION OF SLUMP PUMP AS DICTATED BY SELECTED ELEVATOR MANUFACTURER. AREA BETWEEN BOTTOM OF SLAB OF ELEVATOR SHAFT & STRUCTURAL CONCRETE MAT FOOTING TO BE POROUS FILL.</p> <p>14.03. STRUCTURAL CMU WALL COORDINATION: COORDINATE ALL REQUIRED ELEVATOR SHAFT WALL PENETRATIONS, EMBED LOCATIONS, SPECIAL HOISTWAY INFILL BRACKETS (IF REQUIRED FOR INSTALLATION IN SHAFT PROVIDED), ROUGH OPENINGS FOR DOORS, ETC. WITH SELECTED ELEVATOR MANUFACTURER.</p> <p>14.04. ELECTRICAL COORDINATION: COORDINATE A MINIMUM QUANTITY (2) PER CAB, ELEVATOR DISCONNECTS WITH SELECTED ELEVATOR MANUFACTURER.</p>
H		<p>D</p> <p>DIVISION 4 - MASONRY</p>		<p>E</p> <p>DIVISION 5 - METALS</p>		<p>N</p> <p>DIVISION 14 - CONVEYING SYSTEMS</p>			
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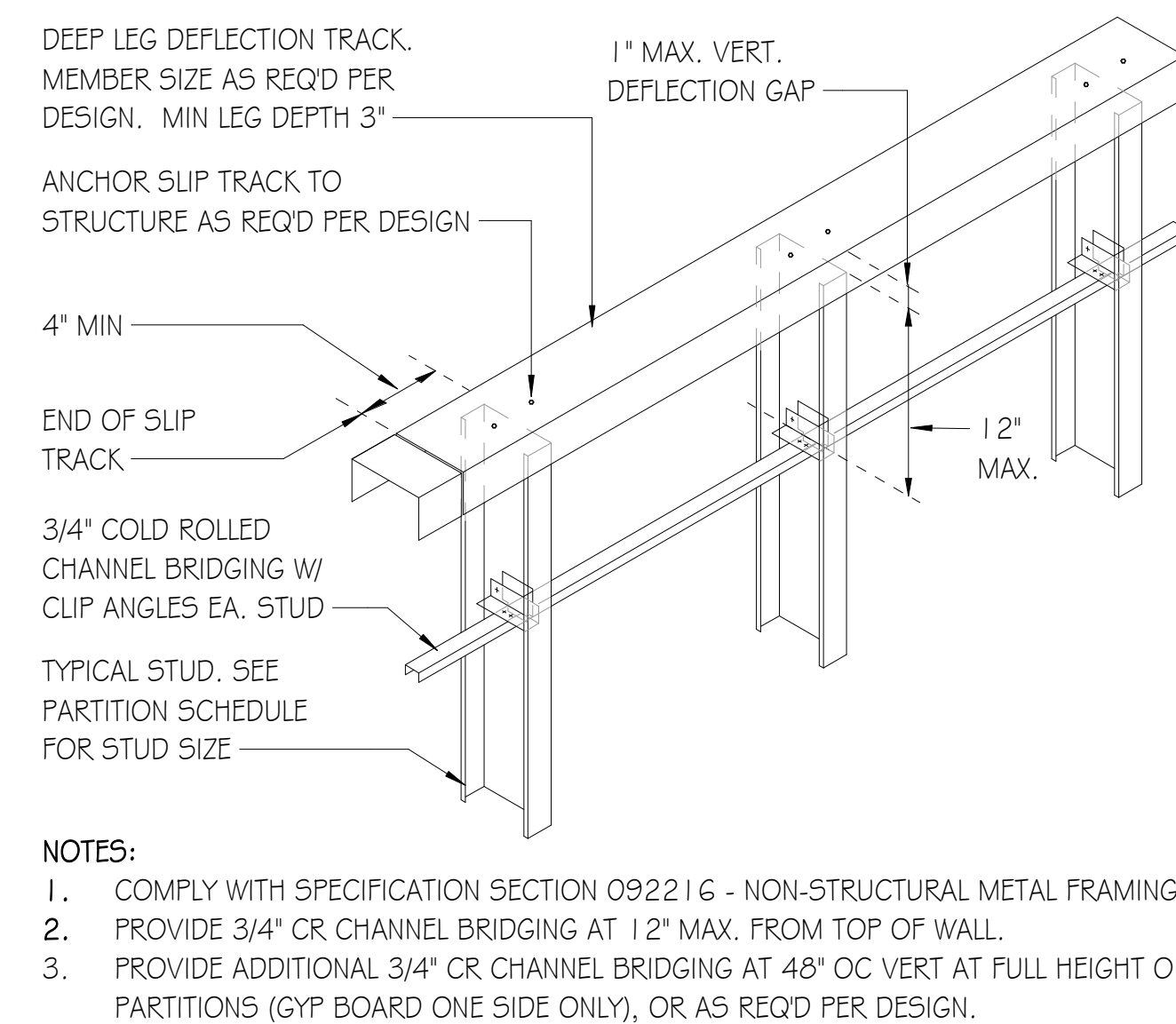


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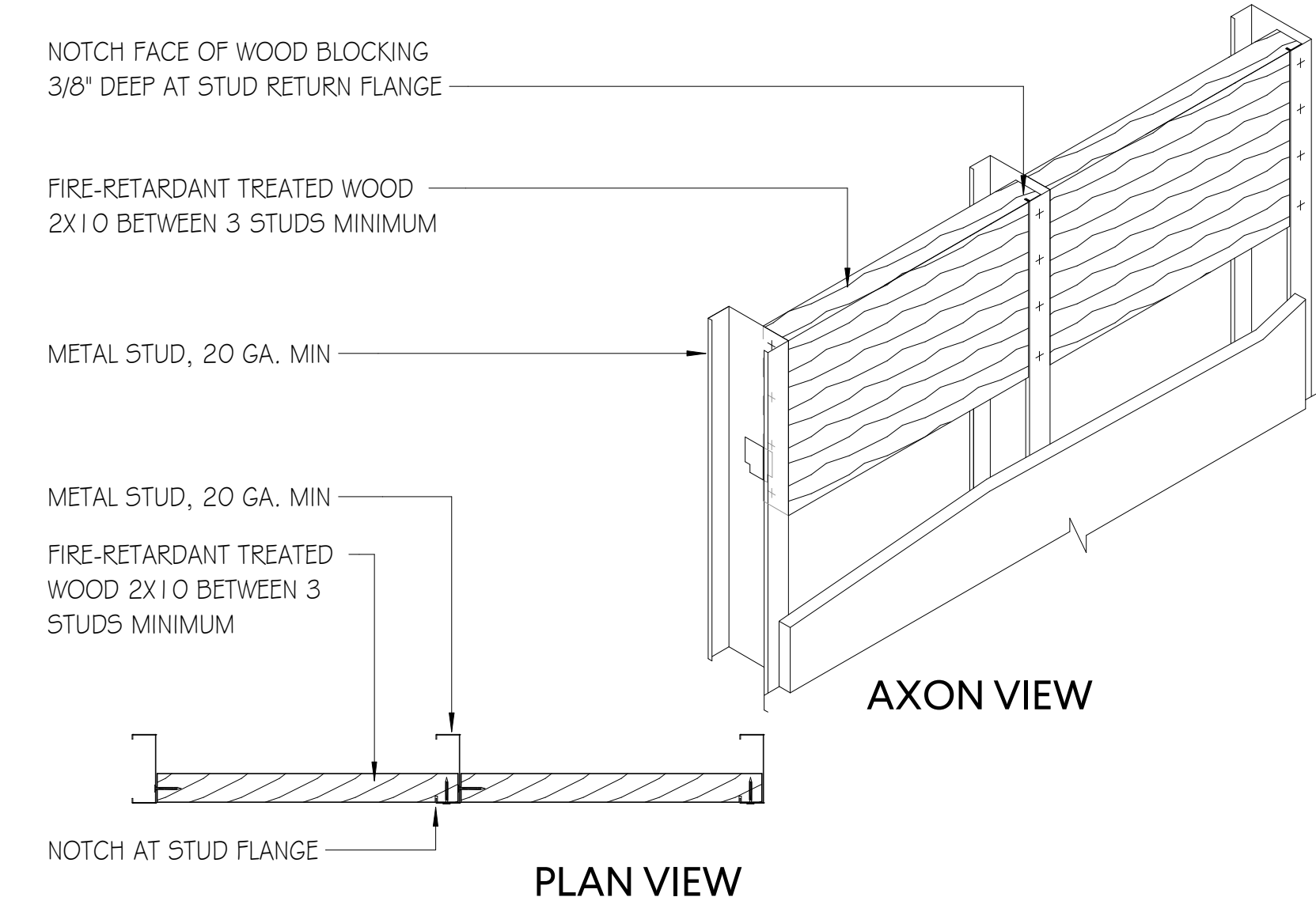
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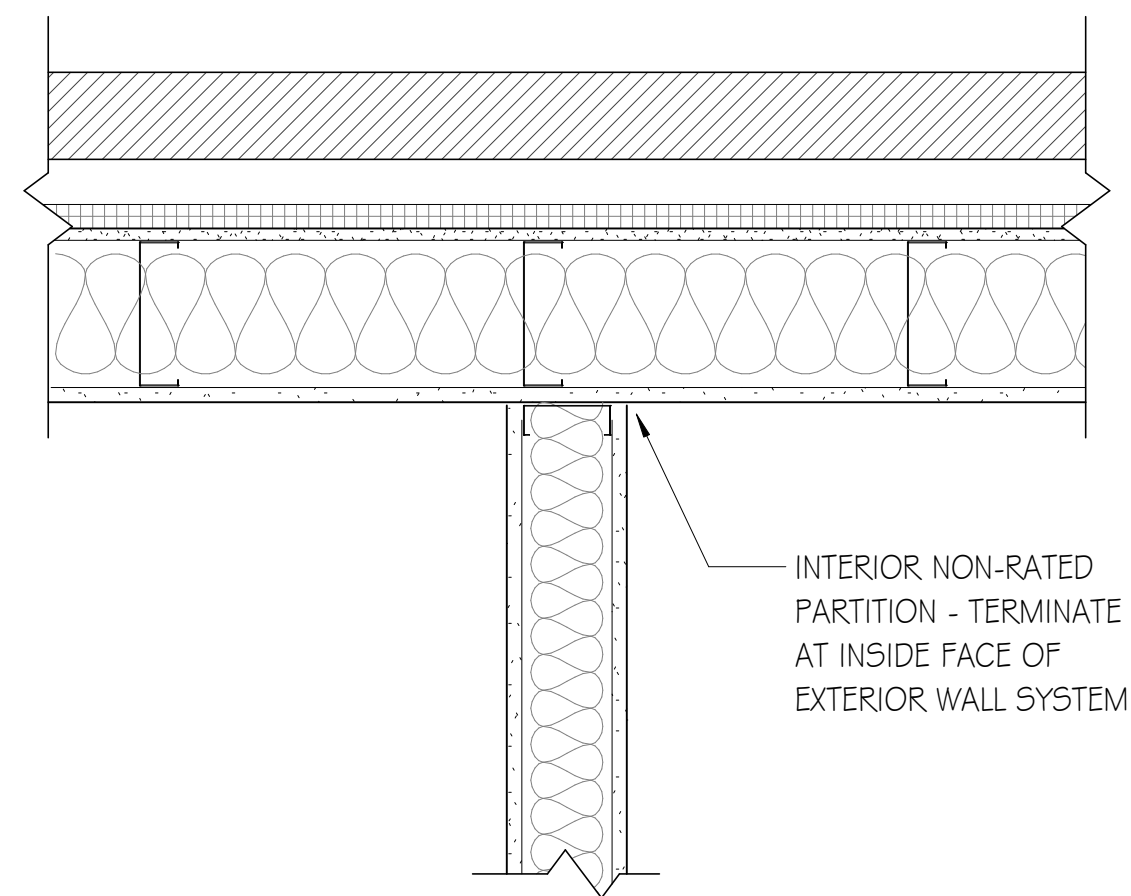


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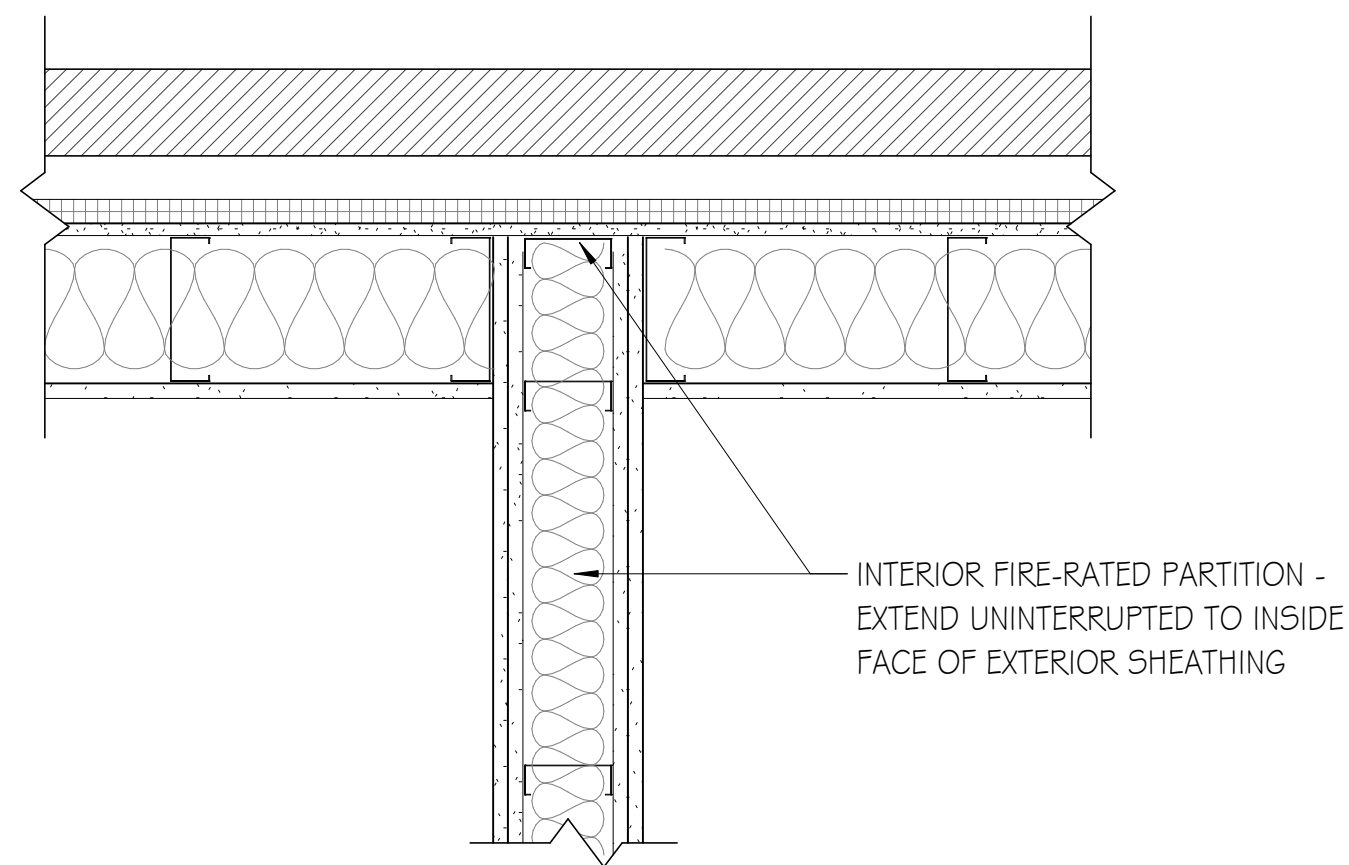


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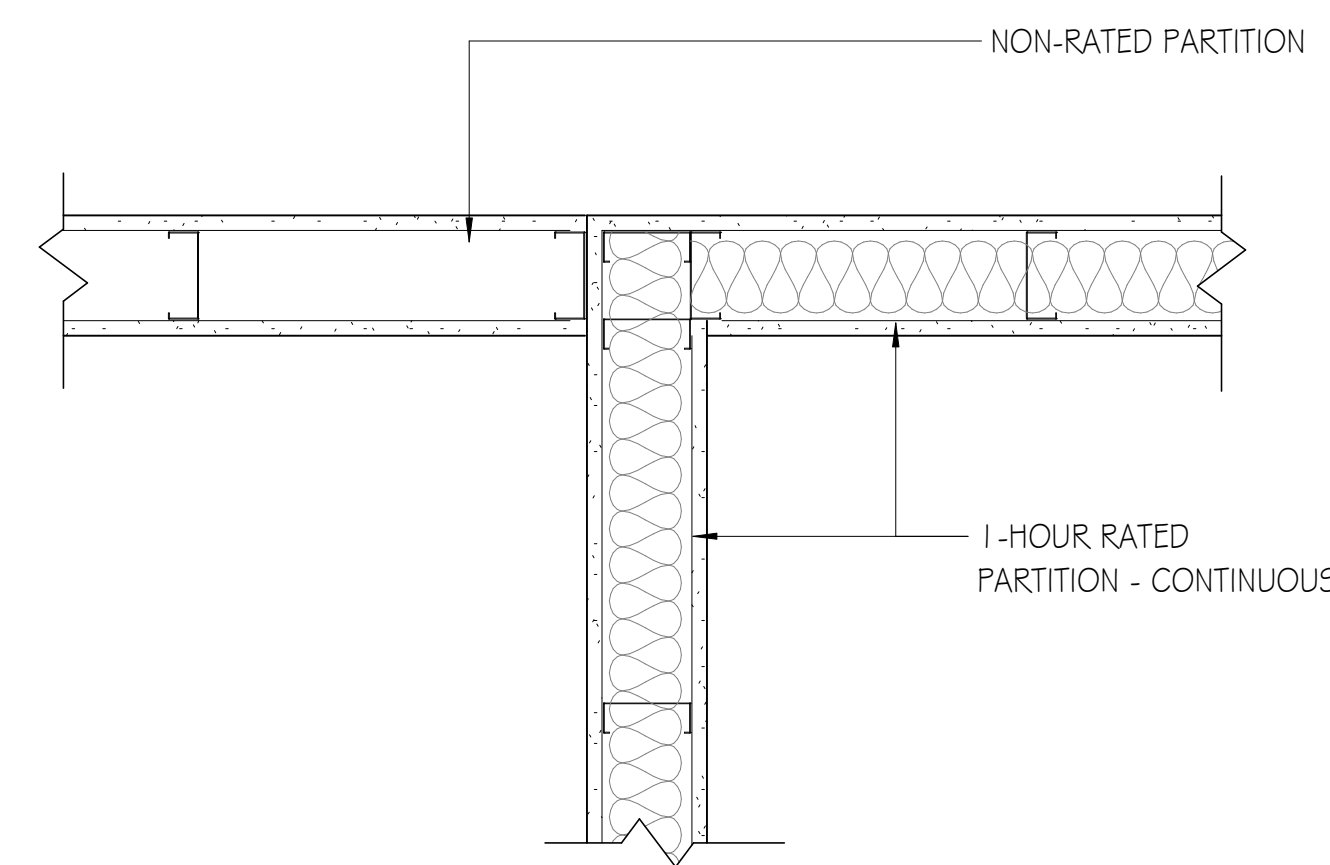
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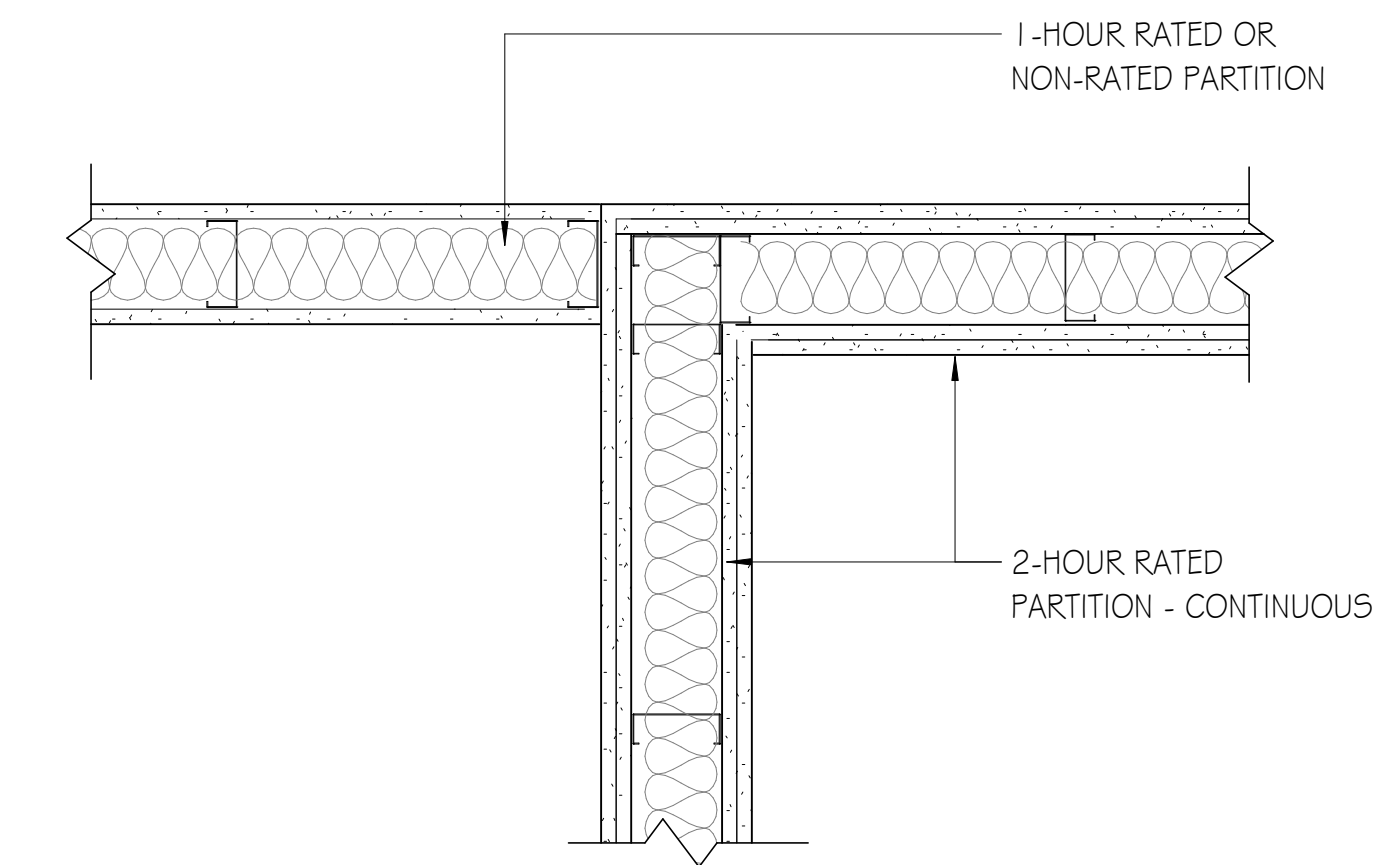
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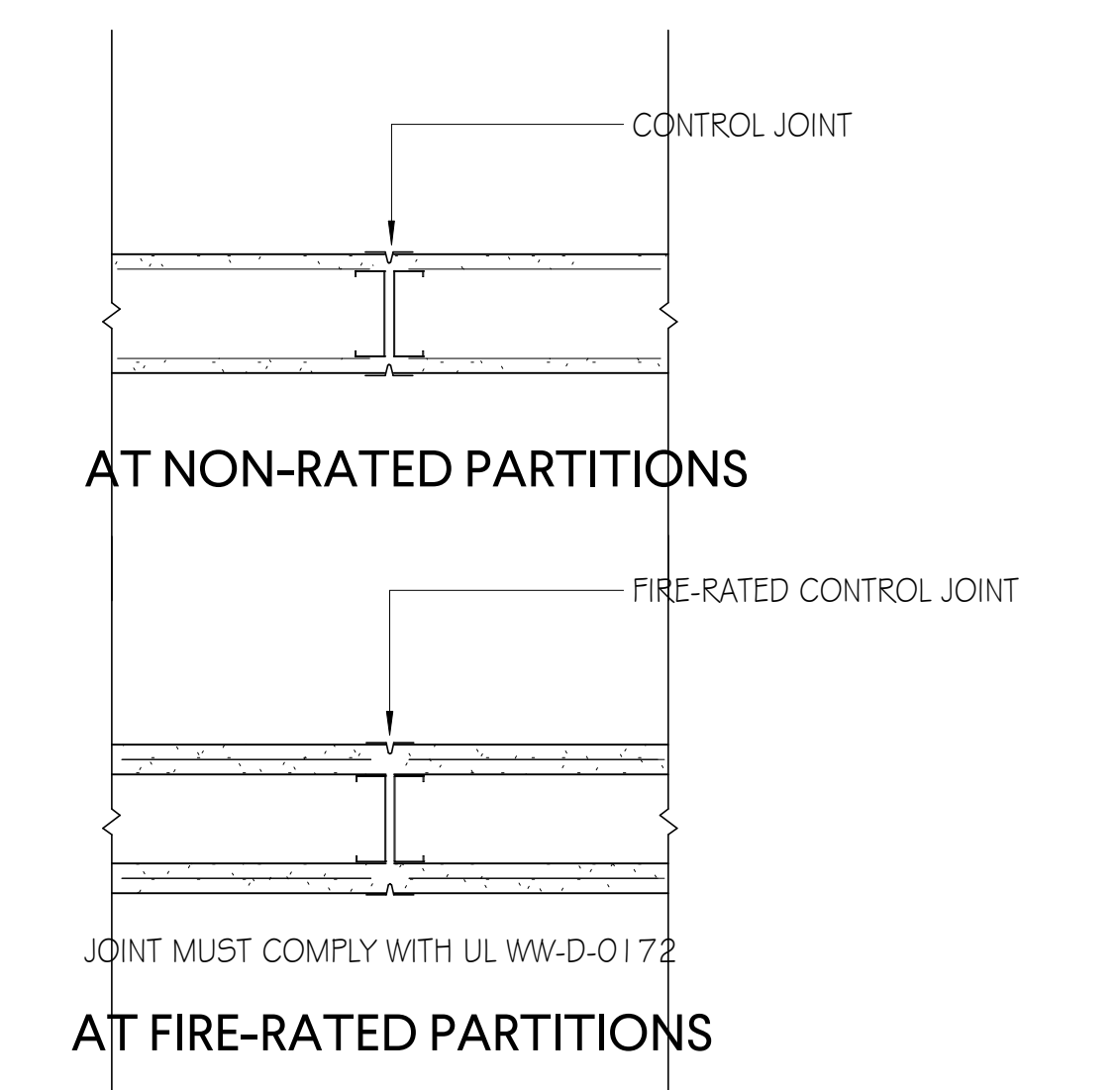
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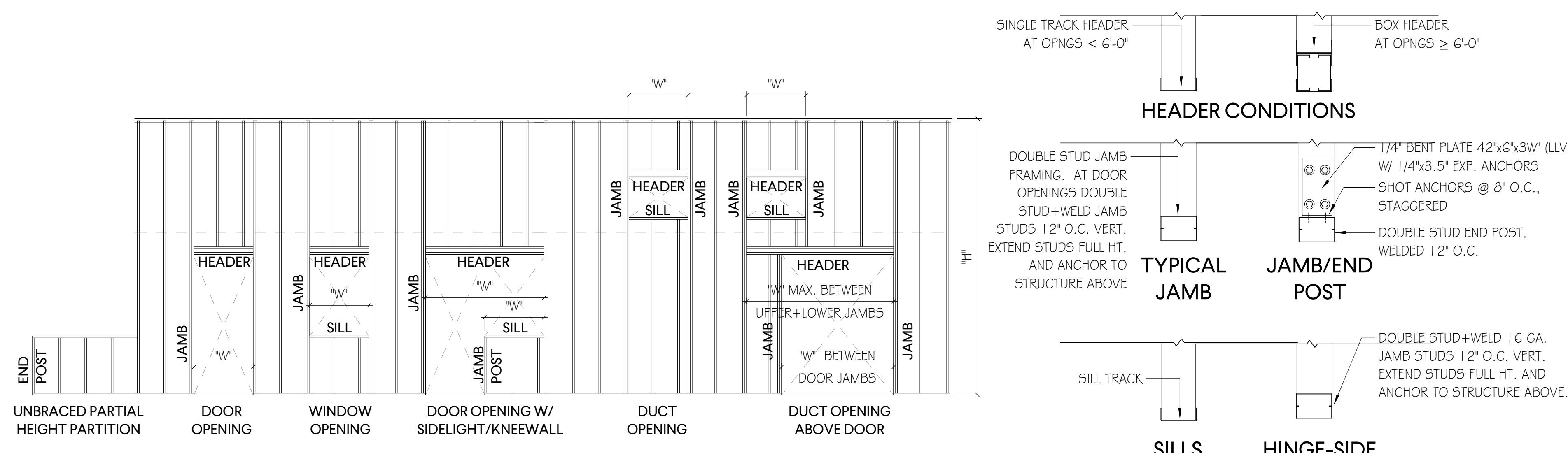
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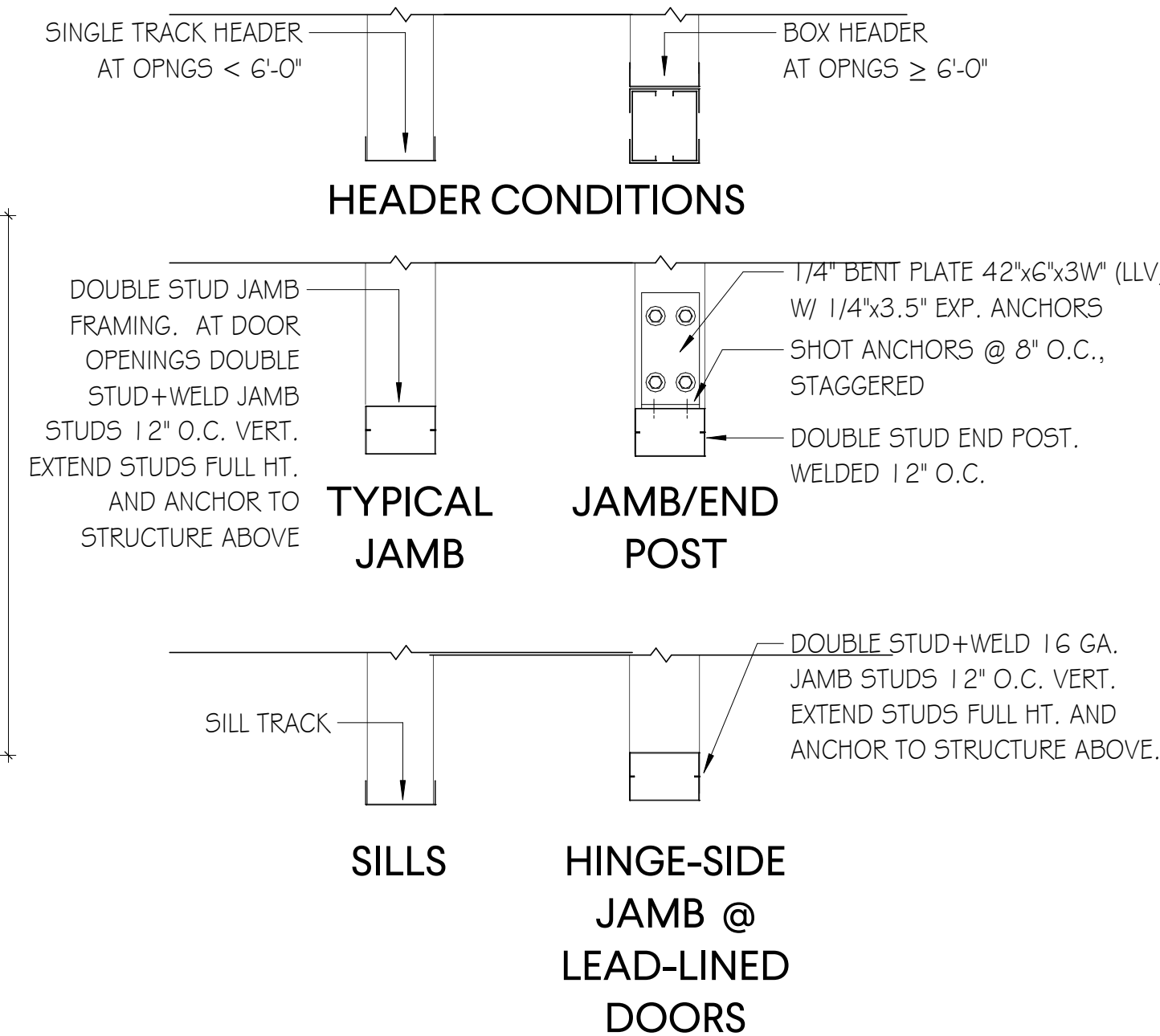
C10 PARTITION INTERSECTION 2
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A1 CONTROL JOINT DETAILS
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A4 STUD FRAMING DETAILS
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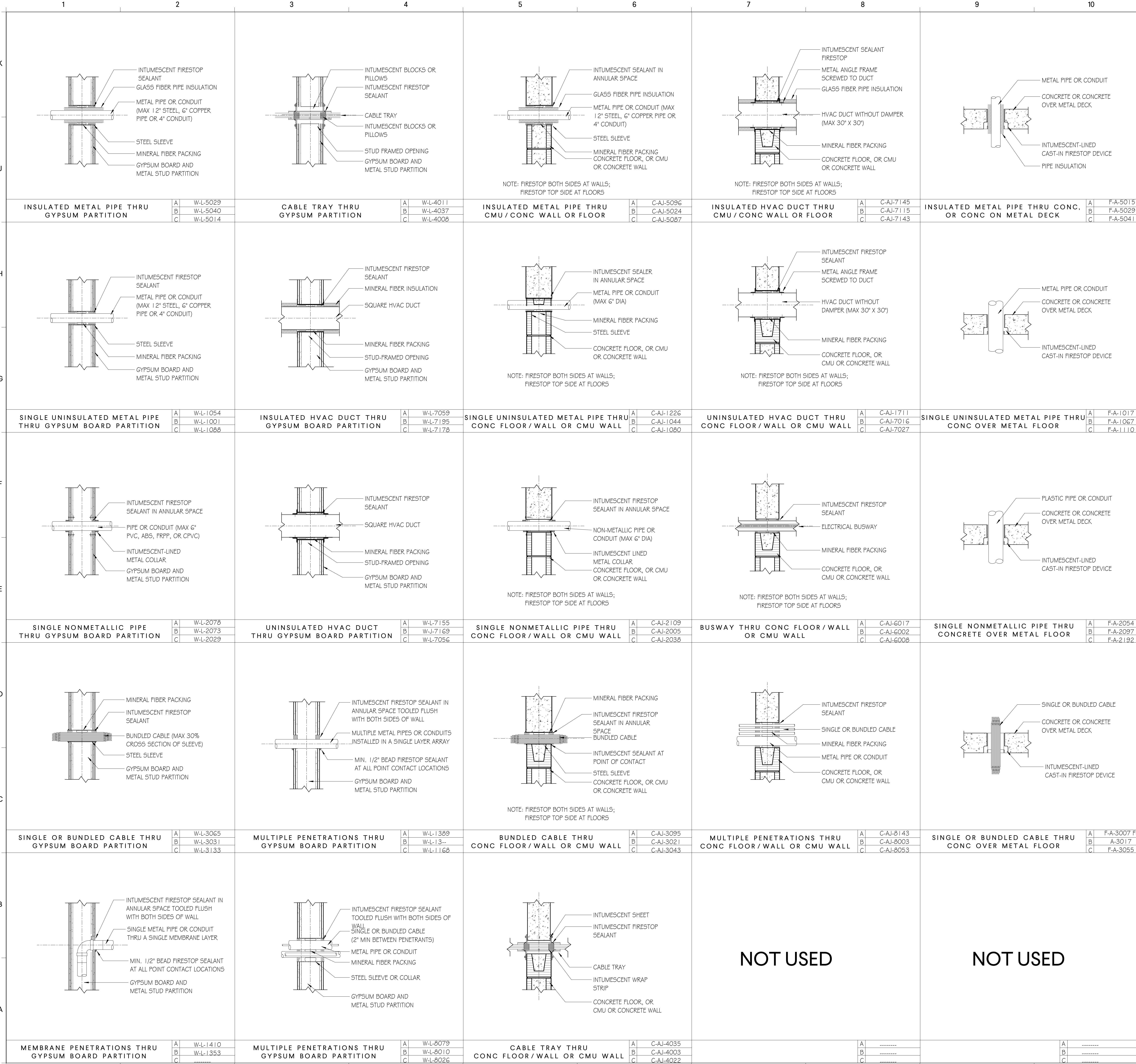
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1FB SET	05/28/2024

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30-May-24 11:46:53 TEMPLATE VERSION: 2023.1

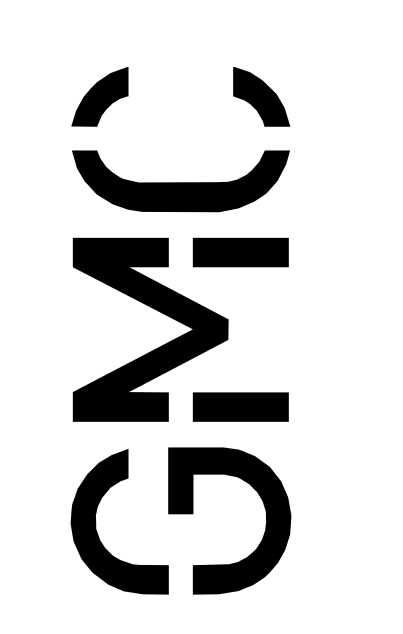


GENERAL THRU - PENETRATION NOTES

- GENERAL**
 - ALL THROUGH-PENETRATION FIRESTOP WORK SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 078413 - PENETRATION FIRESTOP SYSTEMS.
 - THE DETAILS SHOWN HEREIN ILLUSTRATE FREQUENTLY ENCOUNTERED THROUGH-PENETRATION FIRESTOP CONDITIONS. THEY ARE GENERIC REPRESENTATIONS OF SYSTEMS AVAILABLE FROM SEVERAL MANUFACTURERS.
 - SELECTION OF APPROPRIATE SYSTEMS SHALL BE THE RESPONSIBILITY OF THE FIRESTOP CONTRACTOR, AND MUST BE SUBMITTED FOR ARCHITECT'S APPROVAL. EACH SELECTION SHALL BE APPROPRIATE FOR THE PENETRATING ITEM AND SUBSTRATE, AND SHALL COMPLY WITH THE SPECIFIC REQUIREMENTS OF A UL LISTED SYSTEM DESIGN.
 - WHERE NO APPLICABLE UL DESIGN IS AVAILABLE FOR A PARTICULAR FIRESTOP CONFIGURATION, SUBMIT AN ENGINEERING JUDGMENT (EJ), OR EQUIVALENT FIRE RESISTANCE RATED ASSEMBLY (EPPRA), PREPARED BY THE FIRESTOP MANUFACTURER.
- APPLICABILITY**
 - PROVIDE THROUGH-PENETRATION FIRESTOP SYSTEMS FOR ALL PENETRATIONS (INCLUDING SINGLE-SIDED MEMBRANE PENETRATIONS) OF FIRE RESISTANCE RATED CONSTRUCTION, WHETHER OR NOT SPECIFICALLY DETAILED ON THE DRAWINGS (APPLICABLE TO BOTH EMPTY OPENINGS AND OPENINGS CONTAINING PENETRATING ITEMS).
 - ALL PIPING AND DUCTWORK SUBJECT TO MOVEMENT SHALL BE FIRESTOPPED WITH FLEXIBLE FIRE RATED SEALANT.
 - TO EXTENT THAT APPROPRIATE UL DESIGNS ARE AVAILABLE FOR SUBSTRATE REQUIRED, USE THE FOLLOWING APPROACH TO SELECTION OF SYSTEMS:
 - FOR SIMPLE PENETRATIONS: ONE-PART FIRESTOP SEALANT
 - FOR COMPLEX PENETRATIONS: FOAMED-IN-PLACE FIRESTOP SEALANT
 - FOR INSULATED METAL PIPE: INTUMESCENT WRAP STRIP AND ONE-PART FIRESTOP SEALANT.
 - FOR DUCTS OR VENTS:
 - FOR CABLE TRAYS OR RACEWAYS:
- SLEEVING**
 - THE FOLLOWING PENETRATIONS MUST BE SLEEVED:
 - SINGLE ROUND PENETRATIONS IN RATED CMU WALLS
 - INSULATED PIPE PENETRATIONS IN RATED GYPSUM BOARD WALLS
 - BUNDLED CABLE PENETRATIONS IN RATED GYPSUM BOARD WALLS
 - ALL PENETRATIONS IN ELEVATED CONCRETE SLABS.
 - ALL SLEEVES SHALL BE METAL. PLASTIC IS NOT PERMITTED. THE JUNCTURE OF STEEL SLEEVES AND WALL SHALL BE SEALED WITH FLEXIBLE FIRE RATED SEALANT.
- QUALITY ASSURANCE**
 - COMPLY WITH "INSTALLER QUALIFICATIONS" AND "ON-SITE RESPONSIBLE PARTY" PROVISIONS OF SPECIFICATION SECTION 078413 - THROUGH-PENETRATION FIRESTOP SYSTEMS.
 - OBTAIN THROUGH-PENETRATION FIRESTOP SYSTEMS THROUGH ONE SOURCE FROM A SINGLE MANUFACTURER.
 - COMMENCE FIRESTOPPING WORK ONLY AFTER SUBMITTALS (INCLUDING MOCKUPS WHERE APPLICABLE) ARE APPROVED, AND PRE-INSTALLATION CONFERENCE IS SUCCESSFULLY CONCLUDED.
- INSTALLATION - GENERAL**
 - COMPLY WITH UL SYSTEM REQUIREMENTS AND FIRESTOPPING MANUFACTURERS' PRINTED INSTALLATION INSTRUCTIONS.
 - INSTALL FORMING/DAMMING/BACKING MATERIALS AND OTHER ACCESSORIES OF TYPES REQUIRED TO SUPPORT FILL MATERIALS DURING THEIR APPLICATION AND IN THE POSITION NEEDED TO PRODUCE CROSS-SECTIONAL SHAPES AND DEPTHS REQUIRED TO ACHIEVE FIRE RATINGS INDICATED.
 - INSTALL FILL MATERIALS BY PROVEN TECHNIQUES TO PRODUCE THE FOLLOWING RESULTS:
 - FILL VOIDS AND CAVITIES FORMED BY OPENINGS, FORMING MATERIALS, ACCESSORIES, AND PENETRATING ITEMS AS REQUIRED TO ACHIEVE FIRE-RESISTANCE RATINGS INDICATED.
 - APPLY MATERIALS SO THEY CONTACT AND ADHERE TO SUBSTRATES FORMED BY OPENINGS AND PENETRATING ITEMS.
 - FOR FILL MATERIALS THAT WILL REMAIN EXPOSED AFTER COMPLETING WORK, FINISH TO PRODUCE SMOOTH UNIFORM SURFACES THAT ARE FLUSH WITH ADJOINING FINISHES.
 - REMOVE COMBUSTIBLE FORMING MATERIALS, AND OTHER ACCESSORIES, THAT ARE NOT INDICATED AS PERMANENT COMPONENTS OF FIRESTOP SYSTEMS. REMOVE EXCESS SEALANT FROM ADJOINING SURFACES.
 - IDENTIFY THROUGH PENETRATION FIRESTOP SYSTEMS WITH PERMANENTLY ATTACHED, PREPRINTED METAL OR PLASTIC LABELS, AS SPECIFIED.
 - INSPECT FILL MATERIALS AFTER 48 HOURS FOR COMPLETE ADHESION AND SEAL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. CORRECT DEFICIENCIES AND RE-INSPECT.

PRODUCT /MANUFACTURER LEGEND

- THE ILLUSTRATIONS ON THIS DRAWING REPRESENT FREQUENTLY ENCOUNTERED FIRESTOPPING PENETRATION CONDITIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES.
 - THE NUMBERS SHOWN BELOW ARE MANUFACTURERS' UL-TEST NUMBERS FOR EACH CONDITION.
 - THE KEY TO MANUFACTURERS (A, B, OR C) IS AS INDICATED BELOW.
- | Key | Manufacturer |
|-----|--------------|
| A | FILTI |
| B | 3M |
| C | STI |



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RAINBOW CITY RECREATION CENTER

RAINBOW CITY, ALABAMA

GMC # ABHM230021



PENETRATION FIRESTOPPING SYSTEMS

G1.31

OCCUPANT LOAD BY FLOOR AREA

Table with columns: Level, ROOM NAME, ROOM/OCCUPANCY USE, SF/ PERSON, AREA, OCCUPANT LOAD, Comment. Includes Level 1 and Level 2 data.

Table with columns: Level, ROOM NAME, ROOM/OCCUPANCY USE, SF/ PERSON, AREA, OCCUPANT LOAD, Comment. Includes Level 2 data and TOTAL GROSS AREA AND OCCUPANT LOAD.

CLARIFICATION: NON SIMULTANEOUS OCCUPANCY

THE NOTATION "NON SIMULTANEOUS OCCUPANCY" INDICATES AREAS IN WHICH THE OCCUPANT LOAD HAS ALREADY BEEN ACCOUNTED FOR ELSEWHERE.

OVERALL BUILDING AREA

Table with columns: LEVEL, AREA (GROSS SQUARE FEET). Shows levels 1, 2, and TOTAL.

APPLICABLE CODES & REGULATIONS

Table listing applicable codes and regulations such as 2015 INTERNATIONAL BUILDING CODE (IBC), 2015 INTERNATIONAL FUEL GAS CODE (IFGC), etc.

OCCUPANCY CLASSIFICATION

Table with columns: OCCUPANCY, ASSEMBLY A-3. Reference to IBC CH 3.

CONSTRUCTION CLASSIFICATION

Table with columns: CONSTRUCTION TYPE, HEIGHT, # OF STORIES, AREA PER FLOOR, AREA MODIFICATIONS, FRONTAGE INCREASE (IF), AUTOMATIC SPRINKLER INCREASE (AA). Reference to IBC CH 5.

FIRE RESISTANCE - STRUCT. ELEMENTS

Table detailing fire resistance requirements and provided ratings for structural elements like primary structural frame, bearing walls, and floor construction. Reference to IBC CH 6.

FIRE RESISTANCE - WALLS / PARTITIONS

Table for fire resistance - walls / partitions. Reference to IBC CH 7.

FIRE RESISTANCE - WALLS & PARTITIONS

Table with columns: WALLS AND PARTITIONS, IBC TBL., OPENING PROTECTION, RESISTANCE PROVIDED, RATING, ACHIEVED BY. Reference to IBC CH 7.

MEANS OF EGRESS

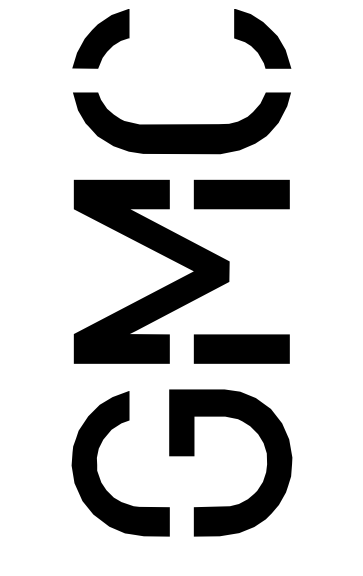
Table detailing egress requirements and provided conditions for travel distance to exit, common path of travel, dead end length, and aggregate occupant load. Reference to IBC CH 10.

PLUMBING FIXTURE TABULATIONS

Table showing plumbing fixture tabulations for occupancy types like ASSEMBLY - A3, BUSINESS - B, and POOL - D6*. Reference to IBC CH 11.

NOTE PER IBC SECTION 609.2.1: FACILITIES THAT HAVE LESS THAN 7500 SQUARE FEET OF WATER AREA AVAILABLE FOR BATHER ACCESS SHALL HAVE NOT LESS THAN ONE WATER CLOSET FOR MALES, ONE URINAL FOR MALES, ONE LAVATORY FOR MALES, ONE SHOWER FOR MALES, TWO WATER CLOSETS FOR FEMALES, ONE LAVATORY FOR FEMALES, AND ONE SHOWER FOR FEMALES.

FOR MULTI-USE SPACES UTILIZED BY THE PUBLIC, THE ARCHITECT MUST USE REASONABLE JUDGMENT IN LOCATING RESTROOM FACILITIES SO THAT THEY ARE ADEQUATE IN NUMBER AND READILY ACCESSIBLE DURING OUTSIDE ACTIVITIES.



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Table with columns: ISSUE DATE, DATE SET, and a series of vertical lines representing a schedule or timeline.

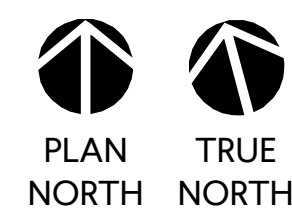
Table with columns: DRAWN BY: Author, CHECKED BY: Checker.

RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA









LIFE SAFETY - CODE ANALYSIS
G2.00
GMC # ABHM230021

C1 LIFE SAFETY - LEVEL 1
SCALE: 3/32" = 1'-0"











OCCUPANCY LEGEND

-  ACCESSORY STORAGE, MECHANICAL EQUIP ROOM
-  ASSEMBLY W/O FIXED SEATS - CONCENTRATED, CHAIRS ONLY
-  BUSINESS AREAS - IBC 2015
-  EXERCISE ROOMS
-  LOCKER ROOMS
-  NON-SIMULTANEOUS OCCUPANCY

LIFE SAFETY SIGNAGE LEGEND

 OCCUPANCY COUNT SIGNAGE

PLAN LEGEND

-  FIRE EXTINGUISHER
-  FIRE EXTINGUISHER CABINET
-  ILLUMINATED EXIT SIGN
-  EXIT DISCHARGE W/ CLEAR EXIT WIDTH (EXIT AND EXIT ACCESS SYMBOLS SIMILAR)
-  ADA ACCESSIBLE ROUTE
-  DISTANCE OF TRAVEL
-  1 - HR FIRE BARRIER
-  2 - HR FIRE BARRIER

LIFE SAFETY PLAN - LEVEL 1

RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA

ISSUE DATE: 05/28/2024

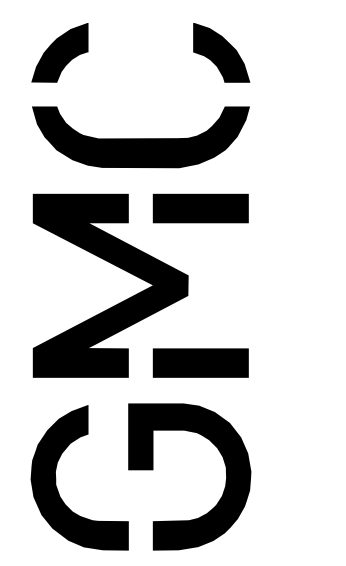
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G2.01

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ISSUE DATE	DATE
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30-May-24 11:47:00 TEMPLATE VERSION: 2023.1

229' 0"

TRACK
6065 SF

OPEN TO BELOW

MECHANICAL
1809 SF

FITNESS ROOM
1040 SF

OPEN TO BELOW

OPEN TO BELOW

STORAGE & DATA ROOM
306 SF

2HR FLOOR

C1 LIFE STUDY - LEVEL 2
SCALE: 3/32" = 1'-0"

OCCUPANCY LEGEND

- ACCESSORY STORAGE, MECHANICAL EQUIP ROOM
- EXERCISE ROOMS
- NON-SIMULTANEOUS OCCUPANCY

LIFE SAFETY SIGNAGE LEGEND

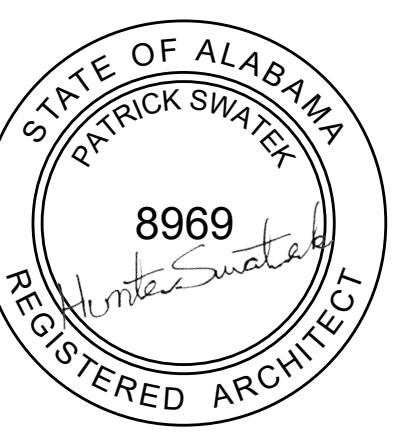
- OCCUPANCY COUNT SIGNAGE

PLAN LEGEND

- FIRE EXTINGUISHER
- FIRE EXTINGUISHER CABINET
- ILLUMINATED EXIT SIGN
- EXIT DISCHARGE W/ CLEAR EXIT WIDTH (EXIT AND EXIT ACCESS SYMBOLS SIMILAR)
- ADA ACCESSIBLE ROUTE
- DISTANCE OF TRAVEL
- 1 - HR FIRE BARRIER
- 2 - HR FIRE BARRIER

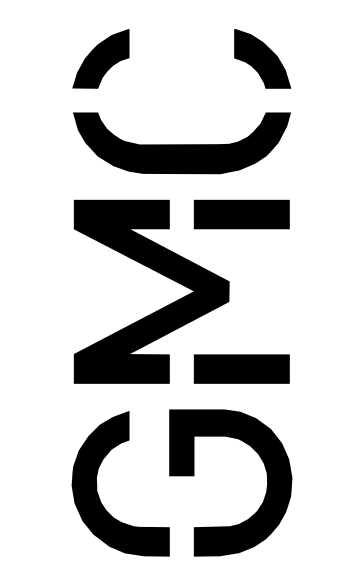
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RAINBOW CITY, ALABAMA

LIFE SAFETY PLAN - LEVEL 2



GMC # ABHM230021

G2.02



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ISSUE	DATE
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BEST MANAGEMENT PRACTICES NOTES

- 1. ALL BEST MANAGEMENT PRACTICES SHALL BE DEVELOPED AND MAINTAINED BY THE CONTRACTOR ACCORDING TO THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORM WATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS (MARCH 2009 ed. OR MOST CURRENT) BY THE ALABAMA SOIL AND WATER CONSERVATION COMMITTEE...
2. THE MAINTENANCE OF ALL BEST MANAGEMENT PRACTICES, SO AS TO BE AN EFFECTIVE BARRIER TO EROSION AND SEDIMENTATION...
3. OTHER THAN LAND-CLEARING ACTIVITIES REQUIRED TO INSTALL THE APPROPRIATE BMP IN ACCORDANCE WITH THE BMP PLANS...
4. THE ANGLE FOR GRADED SLOPES AND FILLS SHALL BE NO GREATER THAN THE ANGLE WHICH CAN BE RETAINED BY VEGETATIVE COVER...
5. ALL HAZARDOUS SUBSTANCES USED FOR THIS PROJECT (PAINT, OIL, GREASE, AND OTHER PETROLEUM PRODUCTS) SHALL BE STORED IN ACCORDANCE WITH SPCC REGULATIONS...
6. ALL CONTROL MEASURES SHALL BE CHECKED, AND REPAIRED AS NECESSARY, MONTHLY IN DRY PERIODS, AND WITHIN 24 HOURS AFTER ANY RAINFALL AT THE SITE OF 0.75 INCH WITHIN A 24 HOUR PERIOD...
7. DISTURBED AREA = 5.53+/- Acres
8. APPROXIMATE START DATE: JUNE 2024, APPROXIMATE END DATE: AUGUST 2025.
9. EXISTING SITE CONDITIONS: UNDEVELOPED LOT WITH ASSOCIATED UTILITIES.
10. ALL MATERIALS SHALL BE PROPERLY STORED, NOT EXPOSED TO RAIN, AND STOCKPILED...
11. THERE SHALL BE NO DISTINCTLY VISIBLE FLOATING SCUM, OIL, OR OTHER MATTER CONTAINED IN THE STORM WATER DISCHARGE...
12. WHEN THE LAND-DISTURBING ACTIVITY IS FINISHED AND STABLE VEGETATION OR OTHER PERMANENT CONTROLS HAVE BEEN ESTABLISHED ON ALL REMAINING EXPOSED SOIL...
13. THE CONTRACTOR SHALL MINIMIZE THE TRACKING OF MUD AND DEBRIS ONTO PAVED ROADWAYS FROM CONSTRUCTION AREAS...
14. ALL EXISTING AND NEW STORM DRAINAGE INLETS, STRUCTURES, AND PIPES SHALL BE CLEANED OF TRASH AND SEDIMENTS ON A REGULAR BASIS...
15. TEMPORARY DIVERSION BERMS AND/OR DITCHES SHALL BE PROVIDED AS REQUIRED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF...
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING DUST TO A MINIMUM THROUGH THE USE OF WATER TRUCKS OR OTHER DUST CONTROLLING METHODS...
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING EROSION AND SILTATION OFF OF ADJACENT AND DOWNSTREAM PROPERTIES AND/OR ADJOINING SITES...
18. ALL DISTURBED AND REGRADED AREAS NOT TO BE PAVED SHALL RECEIVE TOPSOIL AND BE SEEDED AND MULCHED ACCORDING TO A.L.D.O.T. PERMANENT SEEDING SCHEDULES...

GENERAL NOTES

- 1. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND CONDITIONS OF ALL UTILITIES TO BE UTILIZED FOR CONSTRUCTION SERVICE HOOK UPS, STORM SEWERS AND SANITARY SEWERS PRIOR TO PROCEEDING WITH THE LAYING OF PIPE...
2. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES CONCERNING CONFLICTS, RELOCATION, REMOVAL, AND INTERRUPTIONS OF SERVICE.
3. THE WORK REQUIRED TO RELOCATE, REMOVE, INSTALL, REPLACE, ETC. UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, WITHIN THE LIMITS OF WORK.
4. THE CONTRACTOR SHALL BE IN POSSESSION OF ALL REQUIRED PERMITS PRIOR TO ANY CONSTRUCTION EFFORTS.
5. ANY CHANGES OR REVISIONS MADE TO THE SITE PLANS SHALL BE SUBMITTED FOR APPROVAL TO CITY OF RAINBOW CITY AND ALL OTHER PERTINENT AGENCIES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXTENT, LOCATION AND ELEVATION OF THE EXISTING IMPROVEMENTS...
7. UNSTABLE AND PUMPING SUB GRADE CONDITIONS MAY OCCUR DURING SITE PREPARATION AND UNDERCUTTING OPERATIONS...
8. SEE THE GEOTECHNICAL INVESTIGATION PERFORMED BY GOODWYN MILLS CAWOOD, DATED OCTOBER 20, 2023 FOR GENERAL EARTHWORK AND PAVEMENT EVALUATIONS...
9. ALL GRADING OPERATIONS SHALL BE MONITORED BY A QUALIFIED GEOTECHNICAL CONSULTANT AS CHOSEN AND PAID FOR BY THE OWNER...
10. ALL EXCESS EXCAVATION CREATED BY GRADING OPERATIONS SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF SITE.
11. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB, CENTER OF STRIPE, FACE OF BUILDING OR AS SPECIFIED IN THE PLANS.
12. ALL SPOT ELEVATIONS SHOWN REFLECT ELEVATIONS AT GUTTER LINE, ASPHALT, OR FINISHED GROUND ELEVATION...
13. ALL STORM DRAINAGE PIPE SHALL BE CLASS 3 MINIMUM REINFORCED CONCRETE PIPE WITH TYPE 1, 2 OR 3 BEDDING...
14. THE CONTRACTOR SHALL COORDINATE THE ELECTRICAL CONNECTION POINT, SERVICE, SIZE, POLE LOCATIONS, AND TRANSFORMER LOCATIONS WITH THE SERVICE PROVIDER...
15. THE CONTRACTOR SHALL PAY ALL CONNECTION COSTS AND FEES, INCLUDING BUT NOT LIMITED TO TAPPING FEES, METER COSTS, SETTING CHARGES, AND CONNECTION CHARGES.
16. ALL DRAINAGE STRUCTURES, INLETS BOXES, MANHOLES, ETC. SHALL BE POURED IN PLACE OR PRE CAST CONCRETE AS REQUIRED.
17. BRICK WILL ONLY BE ALLOWED TO ADJUST GRADE ON STORM MANHOLES...
18. ALL DRAINAGE STRUCTURES, INLET BOXES, AND CATCH BASINS SHALL HAVE 2" WEEP HOLES FORMED, OR DRILLED, ON ALL SIDES...
19. THE CONTRACTOR SHALL USE SPILL OUT CURB AND GUTTER AS REQUIRED TO ENSURE POSITIVE DRAINAGE...
20. THE CONTRACTOR SHALL INSURE THAT ALL SIDEWALKS, RAMPS, AND ACCESSIBLE PARKING AREAS ARE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT AMERICANS WITH DISABILITIES ACT...

PERMANENT SEEDING SPECIFICATION

Table with columns: DATE OF PLANTING, ANNUAL RYEGRASS, HULLED BERMUDAGRASS, UNHULLED BERMUDAGRASS, ANNUAL LESPEDEZA (KOBÉ), WHITE DUTCH CLOVER, REED. PERMANENT PLANT. Includes sub-tables for Zone 1 - Areas Subject to Frequent Mowing and Zone 1 - Areas Not Subject to Frequent Mowing.

Table with columns: TYPE, NITROGEN (N), PHOSPHORUS (P2O5), POTASH (K2O). Lists various manufactured fertilizers and their nutrient content.

3. GENERAL NOTES AND MAINTENANCE
AFTER SEEDING, THE AREA IS TO BE ROLLED OR CULPACKED TO INSURE THAT THE SEED IS PRESSED INTO CONTACT WITH SOIL SURFACE...
THE ABOVE DESCRIBED SEEDING RECOMMENDATIONS AND RATES HAVE BEEN PREPARED FOR SELECTION OF A VEGETABLE COVER SUITABLE FOR SOIL EROSION CONTROL IN PLANTING ZONE 1...

MAINTENANCE
REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

SEEDING AND GRASSING NOTES

- 1. SCOPE OF WORK
GENERAL REQUIREMENTS: PROVIDE SEEDED PREPARATION, TOPSOILING, LIMING, FERTILIZING, SEEDING AND MULCHING OF ALL NEWLY GRADED FINISH EARTH SURFACES...
2. MATERIALS
LIME: DELIVER MATERIALS TO THE SITE IN ORIGINAL, UNOPENED CONTAINERS BEARING THE MANUFACTURER'S CHEMICAL ANALYSIS...
FERTILIZER: COMMERCIAL GRADE, FREE FLOWING, SLOW-RELEASE, UNIFORM IN COMPOSITION...
SEED: DELIVER SEED TO THE SITE IN ORIGINAL SEALED PACKAGES BEARING THE PRODUCER'S GUARANTEED ANALYSIS...
MULCH: FREE FROM NOXIOUS WEEDS, MOLD, OR OTHER DELETERIOUS MATERIAL...
3. SEEDING
STORAGE AND HANDLING: STORE LIME, FERTILIZER, AND SEED IN DRY LOCATIONS AWAY FROM CONTAMINANTS...
SOIL PREPARATION: AT THE COMPLETION OF ROUGH GRADING, SPREAD TOPSOIL OVER AREAS TO BE SEEDED...
SEEDING: SEED SHALL BE SOWN WITHIN 24 HOURS FOLLOWING THE APPLICATION OF FERTILIZER AND LIME...
DRILL SEEDING: USE CULPACKER SEEDERS OR GRASS SEED DRILLS...
BROADCAST SEEDING AND DROP SEEDING: USE BROADCAST OR DROP SEEDERS...
HYDROSEEDING: MIX SEED, FERTILIZER, AND WOOD CELLULOSE FIBER IN REQUIRED AMOUNT OF WATER...
MULCH: EXCEPT WHEN HYDROSEEDING, SPREAD STRAW MULCH EVENLY AT THE RATE OF 2 TONS PER ACRE...
4. RESTORATION, ESTABLISHMENT, AND FINAL INSPECTION
RESTORATION: RESTORE TO ORIGINAL CONDITION EXISTING LAWN AREAS WHICH WERE DAMAGED DURING GRASSING OPERATIONS...
ESTABLISHMENT PERIOD: THE ESTABLISHMENT PERIOD WILL BE IN EFFECT UNTIL THE SEEDED AND SODDED AREAS ARE MOWED THREE TIMES...
FINAL INSPECTION AND ACCEPTANCE: AT THE END OF THE ESTABLISHMENT PERIOD, FINAL INSPECTION WILL BE MADE UPON WRITTEN REQUEST AT LEAST 10 DAYS PRIOR TO THE ANTICIPATED DATE...
RESEEDING AND REPAIR: ANY AREAS THAT REQUIRE RESEEDING AND/OR REFERTILIZATION WILL BE DESIGNATED BY THE OWNER/ENGINEER...

TEMPORARY SEEDING SPECIFICATION

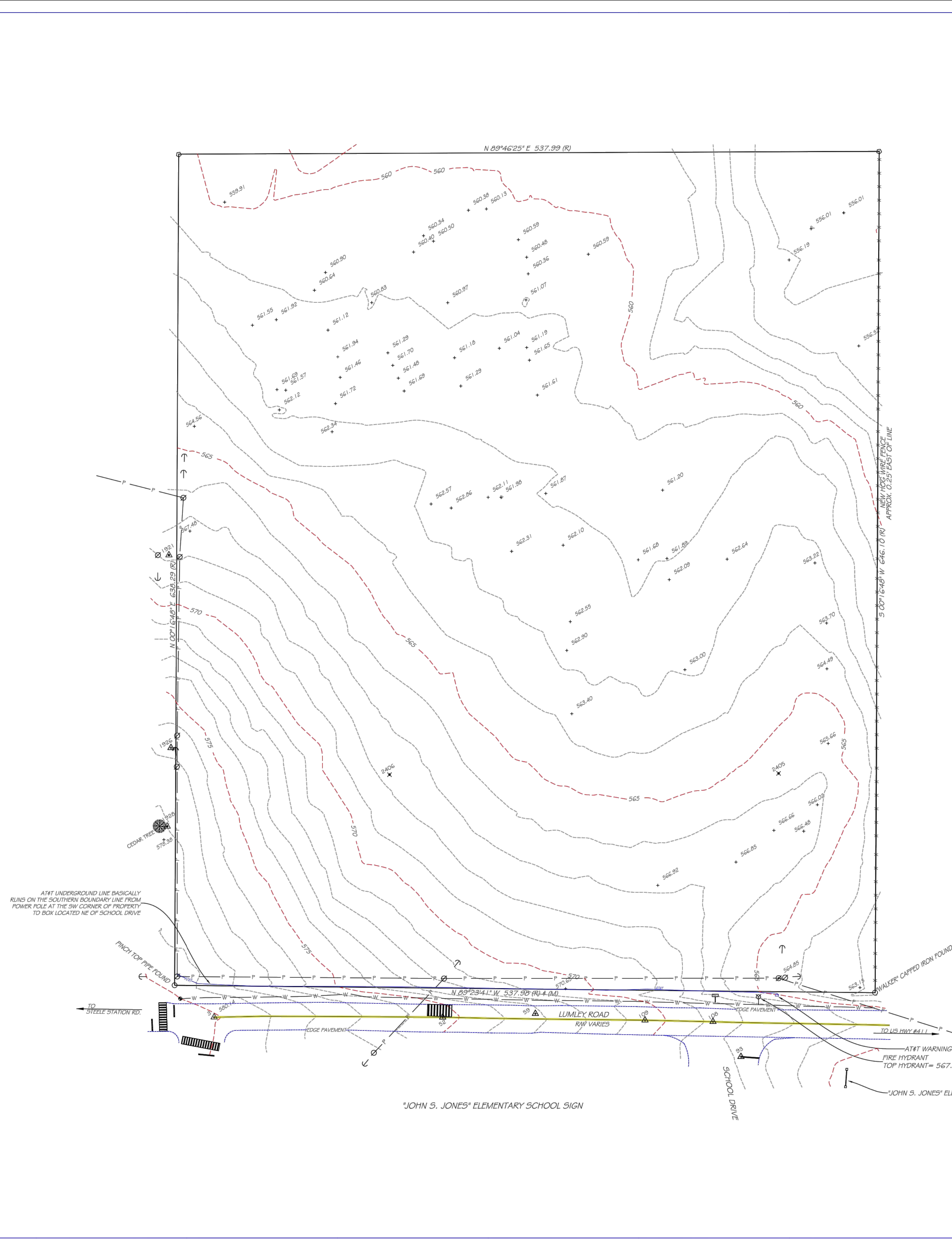
Table with columns: MONTH, SEED TYPE, RATES. Lists seeding specifications for September-December, January-April, and April-August.

AFTER SEEDING, THE AREA IS TO BE ROLLED OR CULPACKED TO INSURE THAT THE SEED IS PRESSED INTO CONTACT WITH SOIL SURFACE. ALL SEEDED AREAS ARE TO BE MULCHED WITH STRAW MULCH AT THE RATE OF 150 GALLONS PER ACRE.

PROJECT NOTES, RAINBOW CITY RECREATION CENTER, Rainbom City, AL, CBHM230091, PROJECT NO. 2023-01-29-2024, C-001, SHEET OF, GMC logo, 2400 5th Avenue S, Suite 200 Birmingham, AL 35233 T 205.879.4462 GCMNETWORK.COM

DRAWING FILE: T:\Projects\Rainbom City\City of CBHM230091 Rainbom City Recreation Center\DWG\C-C01 Project Notes.dwg PLOTTED: May 29, 2024 10:52 AM

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PLOTTED: May 29, 2024



ALABAMA EAST STATE PLANE
N
PROJECT 23014
SCALE 1" = 40'

STATE OF ALABAMA
COUNTY OF ETOWAH

I, Scott Skipper, a Registered Engineer and Land Surveyor of Alabama, hereby certify to The City of Rainbow City that all parts of this topographic and location survey and drawing of the following described property have been completed in accordance with the current requirements of the Standards of Practice for Surveying in the State of Alabama to the best of my knowledge, information, and belief:

Commence at the SW corner of the SW 1/4 - NW 1/4 in Section 31, T-12-S, R-G-E, thence N 00° 14' 58" E 35.69' along the West line of said forty to a pinch top pipe on the Northern RW of Lumley Road (RW varies), said point being the point of beginning, thence leaving said RW and along said forty line N 00° 14' 58" E 630.29' to a 1/2" rebar (cap destroyed) at a 2" pipe, thence leaving said forty line N 29° 44' 33" E 537.09' to a pinched pipe, thence S 00° 14' 58" W 646.10' to a 3/4" rebar capped (CA-497.43) on the Northern RW of Lumley Road (RW varies), thence N 89° 25' 31" W 537.98' along said RW to the point of beginning.

I further certify that I have consulted the Federal Emergency Management Agency Flood Insurance Rate Map for the City of Rainbow City, Alabama, Community-Panel No. 01055C0333E, dated 3-16-2019, and found that the property is not located in a special flood hazard area.

According to my survey this the 28th day of June, 2023.

Scott Skipper
Scott Skipper PE / LS
Al. License #20141



GENERAL NOTES:

- 1.) This survey was done without the benefit of a title search/opinion, and the surveyor makes no warranty that all easements, restrictions or encumbrances of record are shown.
- 2.) Boundaries shown based on previous boundary survey by Larry Walker Land Surveying, Inc., dated 3/10/21 being supplied by owner.
- 3.) Handwood trees located in the Northeast and Northwest corners of the property are not shown.
- 4.) Legal description of property taken from Walker survey. Bearings of legal description / Walker survey differ slightly from those reflected on this mapping due to a difference in coordinate North of the of the two surveys.

GPS CONTROL POINTS WERE OBTAINED BY STATIC POST REDUCTION OBSERVATIONS W/ SOLUTIONS BY OPUS (ON-LINE POSITIONING USER SERVICE) PROVIDED BY NGS (NATIONAL GEODETIC SURVEY)

CHARACTERISTICS OF MOST ACCURATE OPUS SOLUTIONS:

OBSERVATIONS EXCEEDING 2 HOURS	GPS 1 4 HRS. 3 MIN.	GPS2 6 HRS. 40 MIN.
> 90% OF OBSERVATIONS USED	97%	94%
> 50% OF AMBIGUITIES ARE FIXED	91%	93%
OVERALL RMS < 3cm	1.7cm	1.4cm.

NAD83	LAT 33°56'47.75140"	LAT 33°56'47.73359"
W/LON 86°03'34.40266"	W/LON 86°03'37.95476"	
NAVD83	565.59	567.62

CONTROL / REFERENCE POINTS

POINT	NORTH	EAST	ELEV	DESCRIPTOR
3	123760.332	567124.746	560.14	"K" NAIL SET @ END DBL YELLOW STRIPING
52	123760.305	567300.027	575.37	"K" NAIL SET MIDDLE MATCHING ADJACENT TO CENTERLINE
59	123765.022	567371.314	573.30	"K" NAIL SET IN DASH OF ROADWAY TEXT
93	123779.363	56729.155	567.75	"K" NAIL SET END OF STOP BAR
109	123776.264	56707.735	568.76	"K" NAIL SET CENTERLINE ROAD ADJACENT TO "CROSSING AHEAD" SIGN
109	123758.046	567455.582	570.57	"K" NAIL SET CENTERLINE ROADWAY
192	1254115.233	567089.917	567.76	60 PENNY NAIL SET BETWEEN POLES
1926	123387.217	567091.460	576.71	60 PENNY NAIL SET BETWEEN POLES, SLIGHTLY WEST OF
1926	1233806.880	567086.566	577.80	60 PENNY NAIL SET EAST OF CEDAR TREE
2405	1233947.561	567557.888	565.59	GPS 1
2406	1233946.623	567259.245	567.62	GPS 2

COORDINATES: STATE PLANE AL EAST

LEGEND

○	IRON PIN FOUND	○	CALCULATED POINT
⊗	POWER POLE	⊗	FENCE
⊖	WATER VALVE	—	POWER OR OTHER ADJL LINE
⊕	FIRE HYDRANT	- - -	UNDERGROUND LINE
		—	WATER
		⊗	GPS CONTROL POINT
		⊕	"K" OR 60 PENNY REFERENCE NAIL SET

PROJECT #23014

SKIPPER ENGINEERING, INC.
CIVIL ENGINEERING & SURVEYING
171 WOODLAND DR. RAINBOW CITY, AL 35906
256-390-9494
scott@skipperengineering.com

TOPOGRAPHIC & LOCATION SURVEY
SW 1/4 - NW 1/4, SECTION 31, T-12-S, R-G-E, HUNTSVILLE MERIDIAN
RAINBOW CITY, ETOWAH COUNTY, ALABAMA

FOR:
THE CITY OF RAINBOW CITY

DRAWN: _____ APPROVED: S.S. SCALE: 1" = 40' DATE: _____

GMC

2400 5th Avenue S, Suite 200
Birmingham, AL 35233
T 205.879.4462
GMCNETWORK.COM

ISSUE	DATE
100% CD SET	05/29/2024

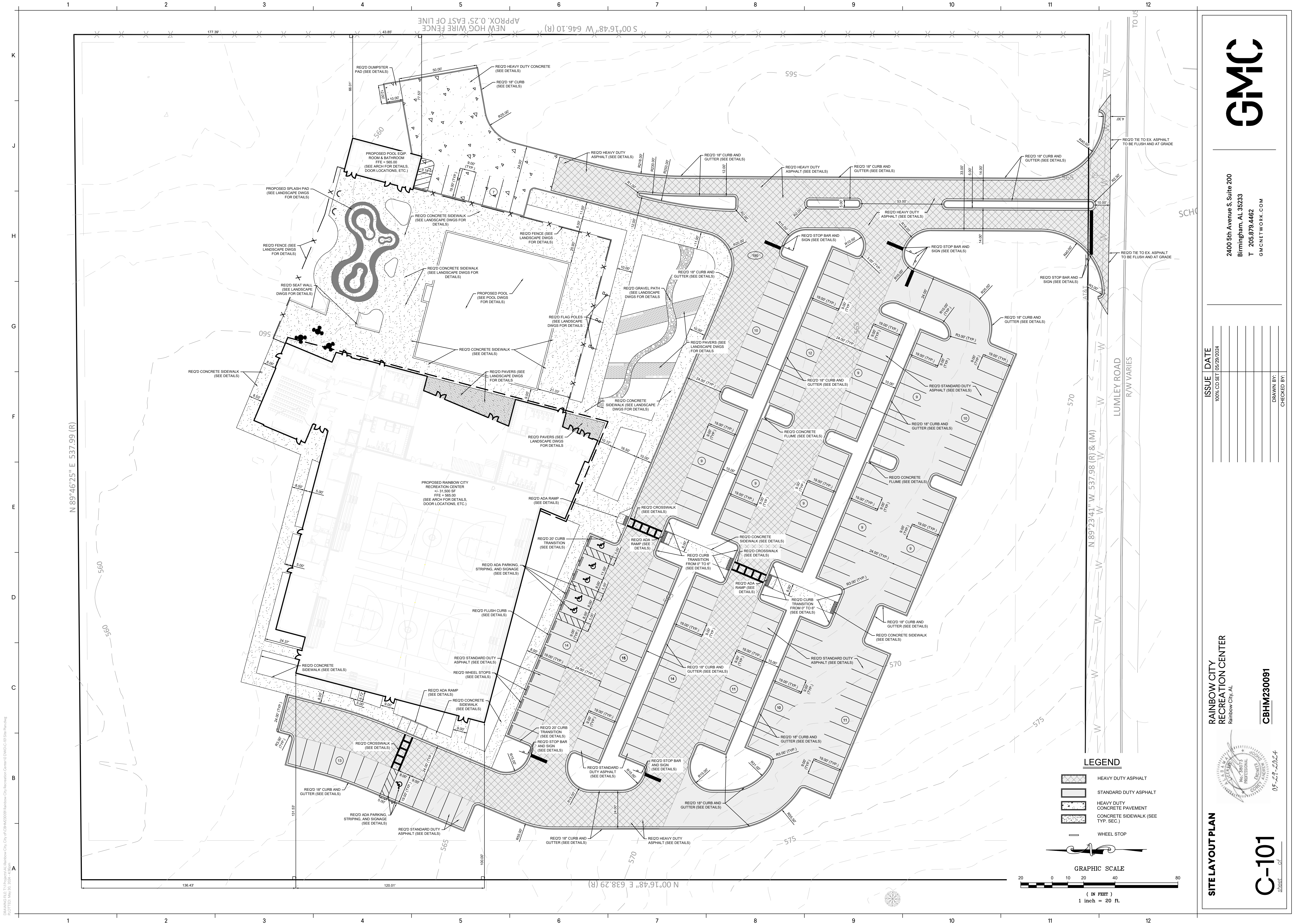
DRAWN BY: _____
CHECKED BY: _____

RAINBOW CITY RECREATION CENTER
Rainbow City, AL

CBHM230091

EXISTING CONDITIONS AND DEMOLITION PLAN

C-002
Sheet _____ of _____



ISSUE	DATE
100% CD SET	05/29/2024

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 CHECKED BY:

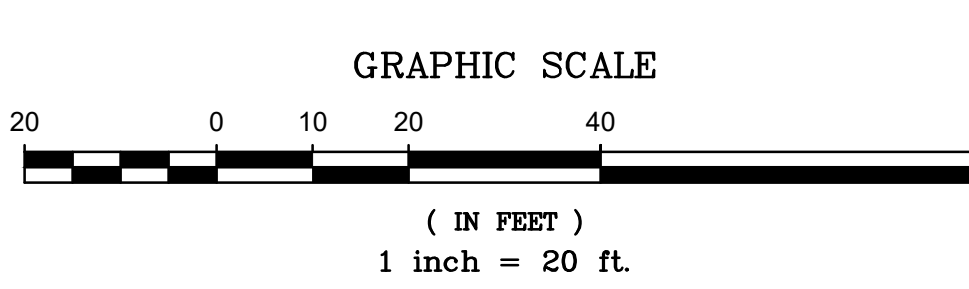
RAINBOW CITY
 RECREATION CENTER
 Rainbow City, AL
 CBHM230091



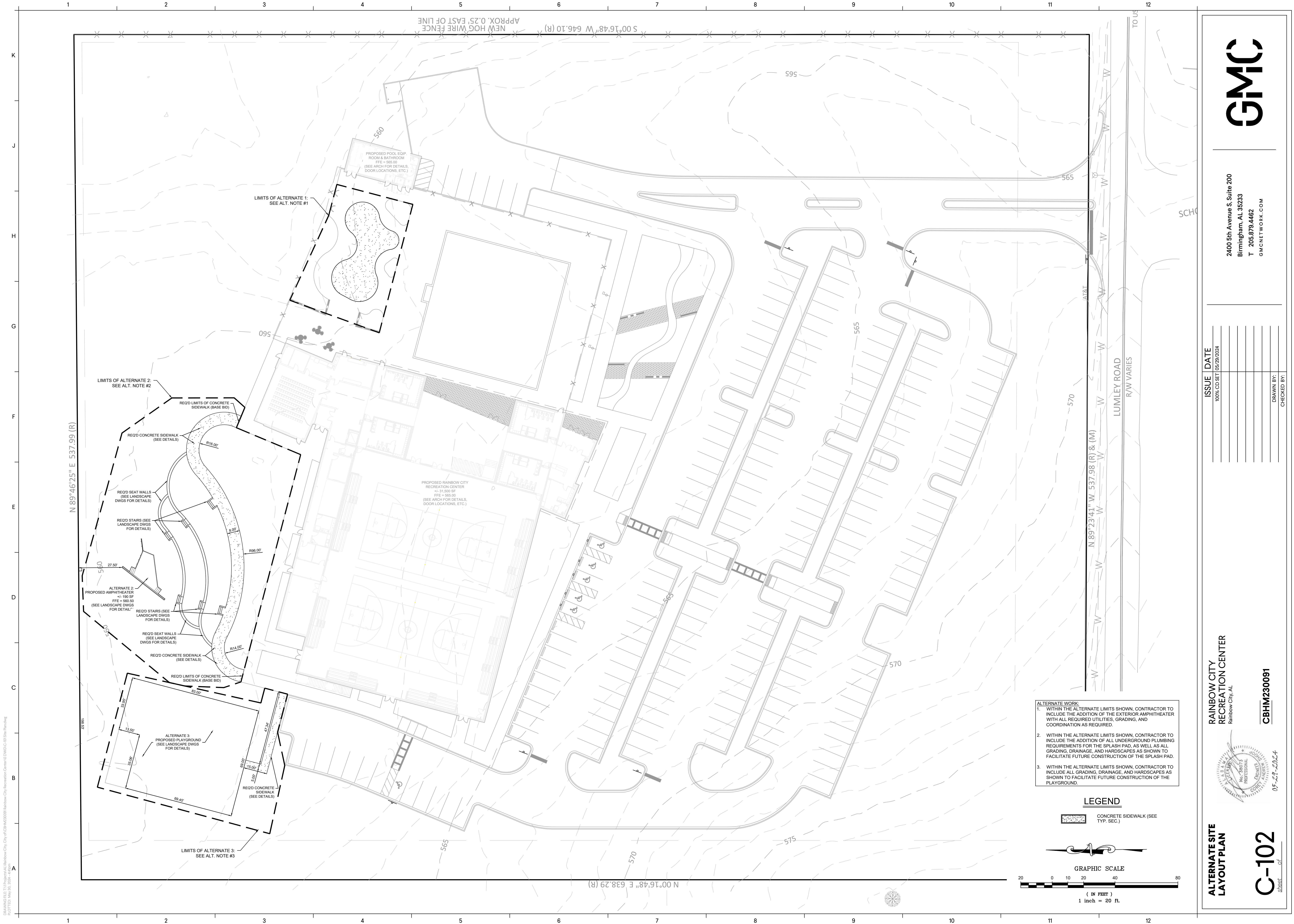
SITE LAYOUT PLAN
C-101
 SHEET OF

LEGEND

- HEAVY DUTY ASPHALT
- STANDARD DUTY ASPHALT
- HEAVY DUTY CONCRETE PAVEMENT
- CONCRETE SIDEWALK (SEE TYP. SEC.)
- WHEEL STOP

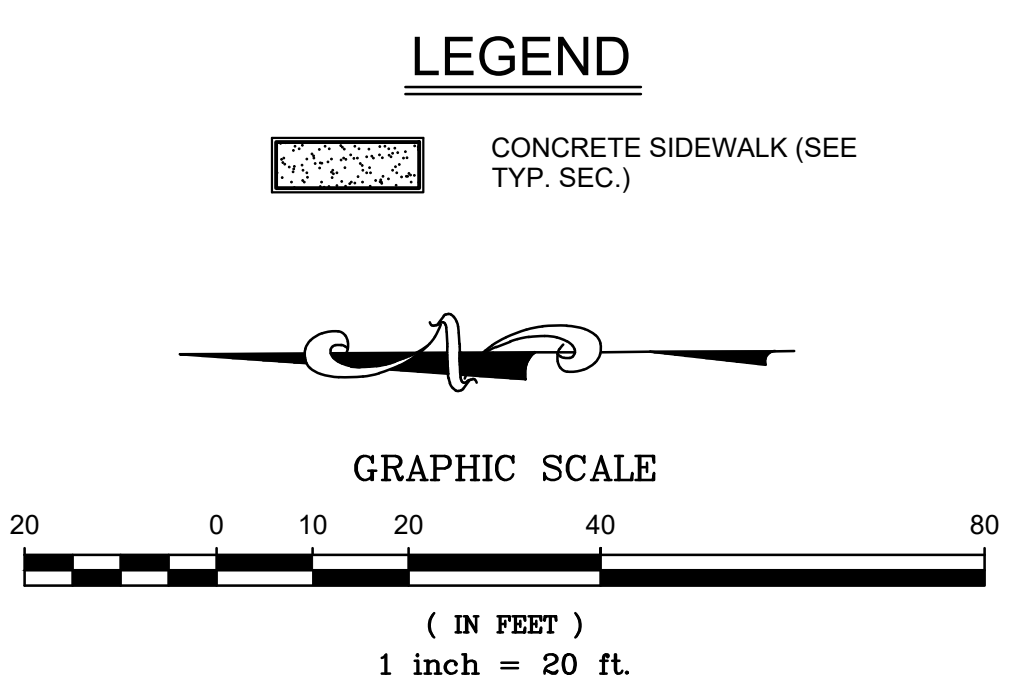


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 PLOTTED: May 20, 2024 10:45 AM



ALTERNATE WORK:

1. WITHIN THE ALTERNATE LIMITS SHOWN, CONTRACTOR TO INCLUDE THE ADDITION OF THE EXTERIOR AMPHITHEATER WITH ALL REQUIRED UTILITIES, GRADING, AND COORDINATION AS REQUIRED.
2. WITHIN THE ALTERNATE LIMITS SHOWN, CONTRACTOR TO INCLUDE THE ADDITION OF ALL UNDERGROUND PLUMBING REQUIREMENTS FOR THE SPLASH PAD, AS WELL AS ALL GRADING, DRAINAGE, AND HARDSCAPES AS SHOWN TO FACILITATE FUTURE CONSTRUCTION OF THE SPLASH PAD.
3. WITHIN THE ALTERNATE LIMITS SHOWN, CONTRACTOR TO INCLUDE ALL GRADING, DRAINAGE, AND HARDSCAPES AS SHOWN TO FACILITATE FUTURE CONSTRUCTION OF THE PLAYGROUND.



ALTERNATE SITE LAYOUT PLAN

C-102

Sheet of

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Rainbow City, AL

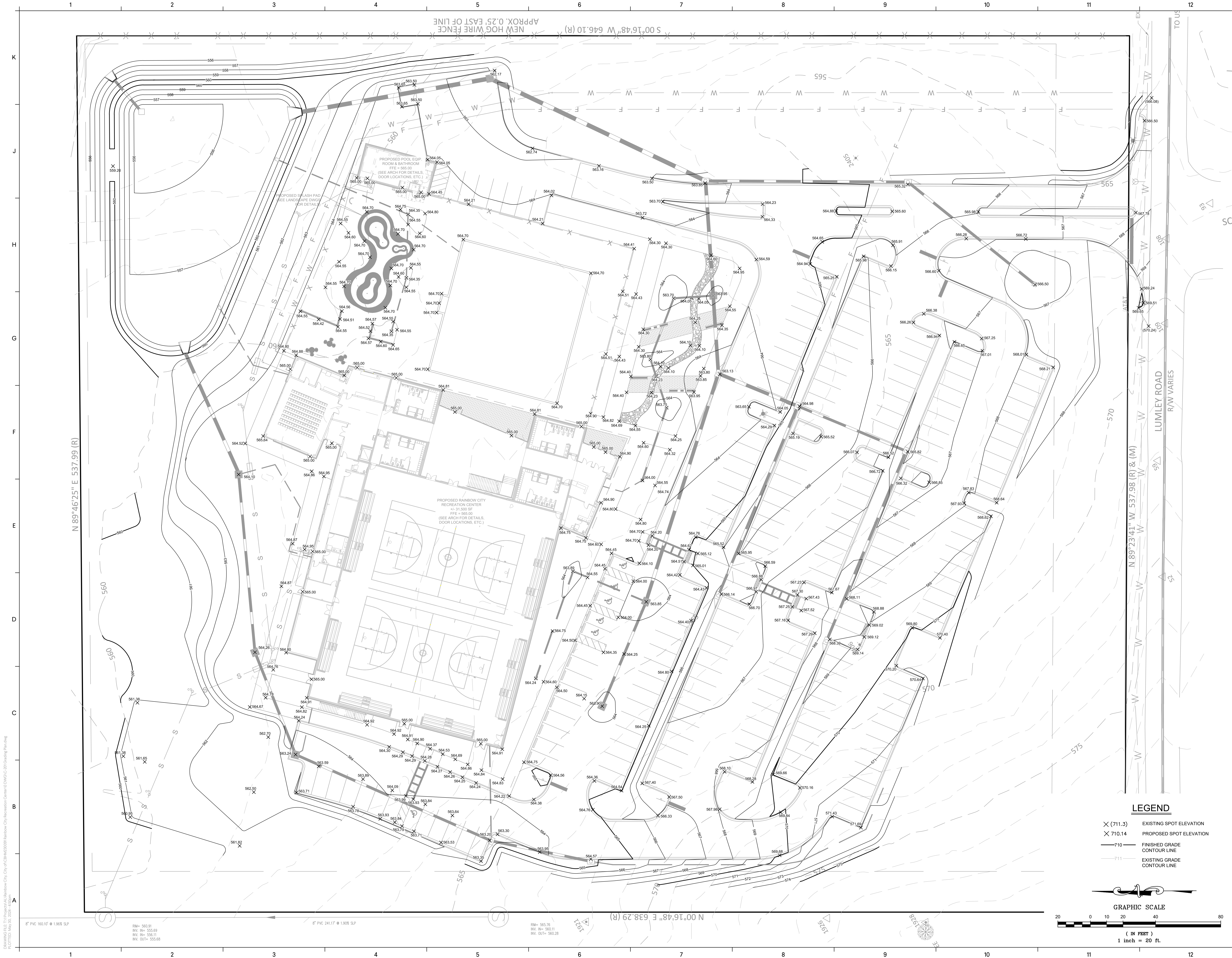
CBHM230091

Professional Engineer
No. 78073
Alabama State Board of Engineers
05-27-2024

ISSUE	DATE
100% CD SET	05/29/2024

DRAWN BY: _____

CHECKED BY: _____



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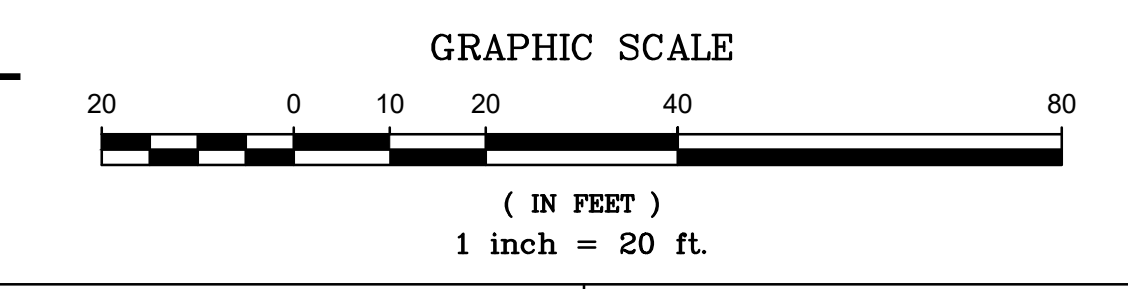
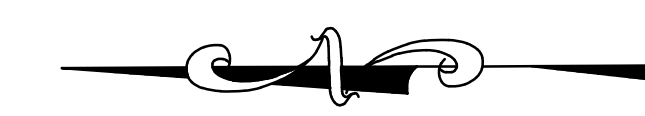
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 INV. IN= 555.69
 INV. IN= 556.11
 INV. OUT= 555.68

1" PVC 241.17' @ 1.00% SLP

RM= 565.76
 INV. IN= 560.11
 INV. OUT= 560.28

LEGEND

- ✕ (711.3) EXISTING SPOT ELEVATION
- ✕ (710.14) PROPOSED SPOT ELEVATION
- 710 — FINISHED GRADE CONTOUR LINE
- 711 — EXISTING GRADE CONTOUR LINE



GRADING PLAN

RAINBOW CITY RECREATION CENTER
 Rainbow City, AL

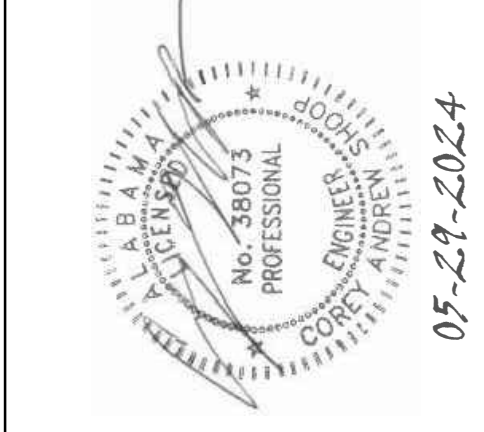
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 Rainbow City, AL

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C-201

Sheet of

05-29-2024

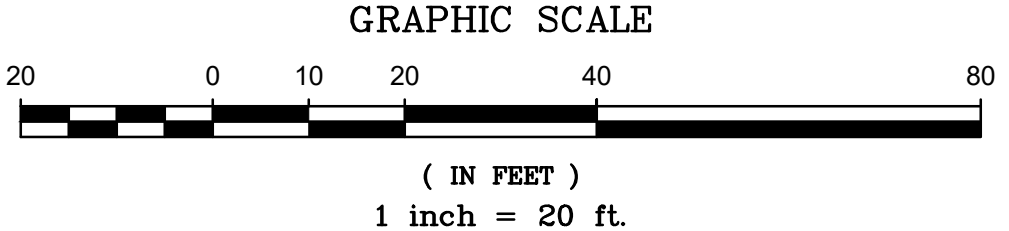


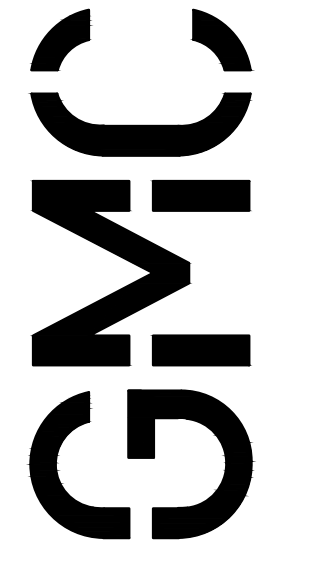
ALTERNATE WORK:

- WITHIN THE ALTERNATE LIMITS SHOWN, CONTRACTOR TO INCLUDE THE ADDITION OF THE EXTERIOR AMPHITHEATER WITH ALL REQUIRED UTILITIES, GRADING, AND COORDINATION AS REQUIRED.
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- WITHIN THE ALTERNATE LIMITS SHOWN, CONTRACTOR TO INCLUDE ALL GRADING, DRAINAGE, AND HARDSCAPES AS SHOWN TO FACILITATE FUTURE CONSTRUCTION OF THE PLAYGROUND.

LEGEND

- X (711.3) EXISTING SPOT ELEVATION
- X 710.14 PROPOSED SPOT ELEVATION
- 710 — FINISHED GRADE CONTOUR LINE
- - - 711 - - - EXISTING GRADE CONTOUR LINE





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ISSUE	DATE
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Rainbow City, AL

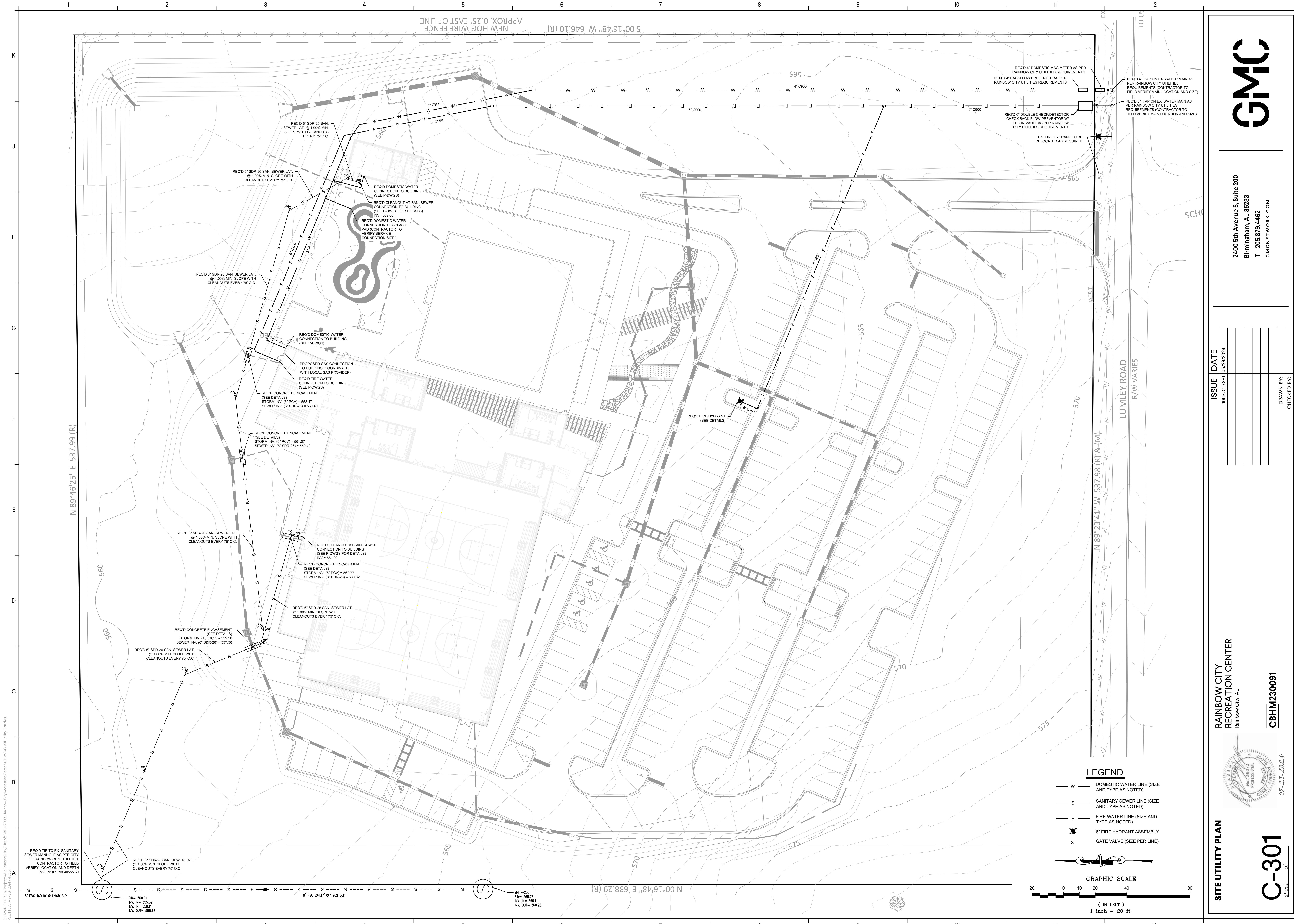
ALTERNATE GRADING PLAN

CBHM230091

C-202

05-29-2024

PROFESSIONAL ENGINEER
No. 78073
STATE OF ALABAMA
CIVIL ENGINEER



DRAWING FILE: D:\Projects\2024\Rainbow City Recreation Center\DWG\C-301 Utility Plan.dwg
 PLOTTED: May 29, 2024

GMC

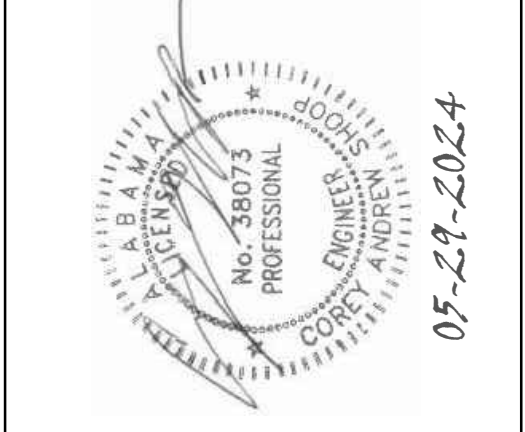
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 GMCTECHNOLOGY.COM

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100% CD SET	05/29/2024

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 Rainbow City, AL

CBHM230091

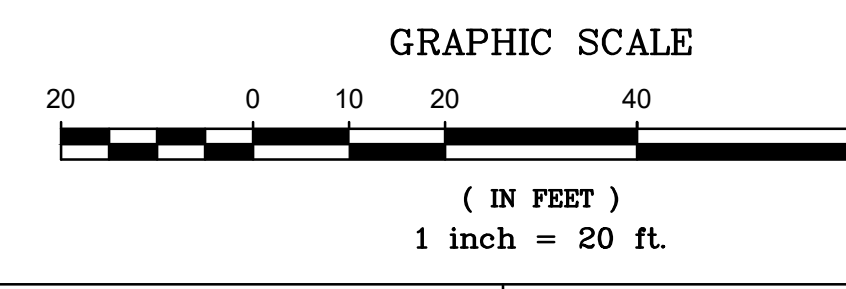


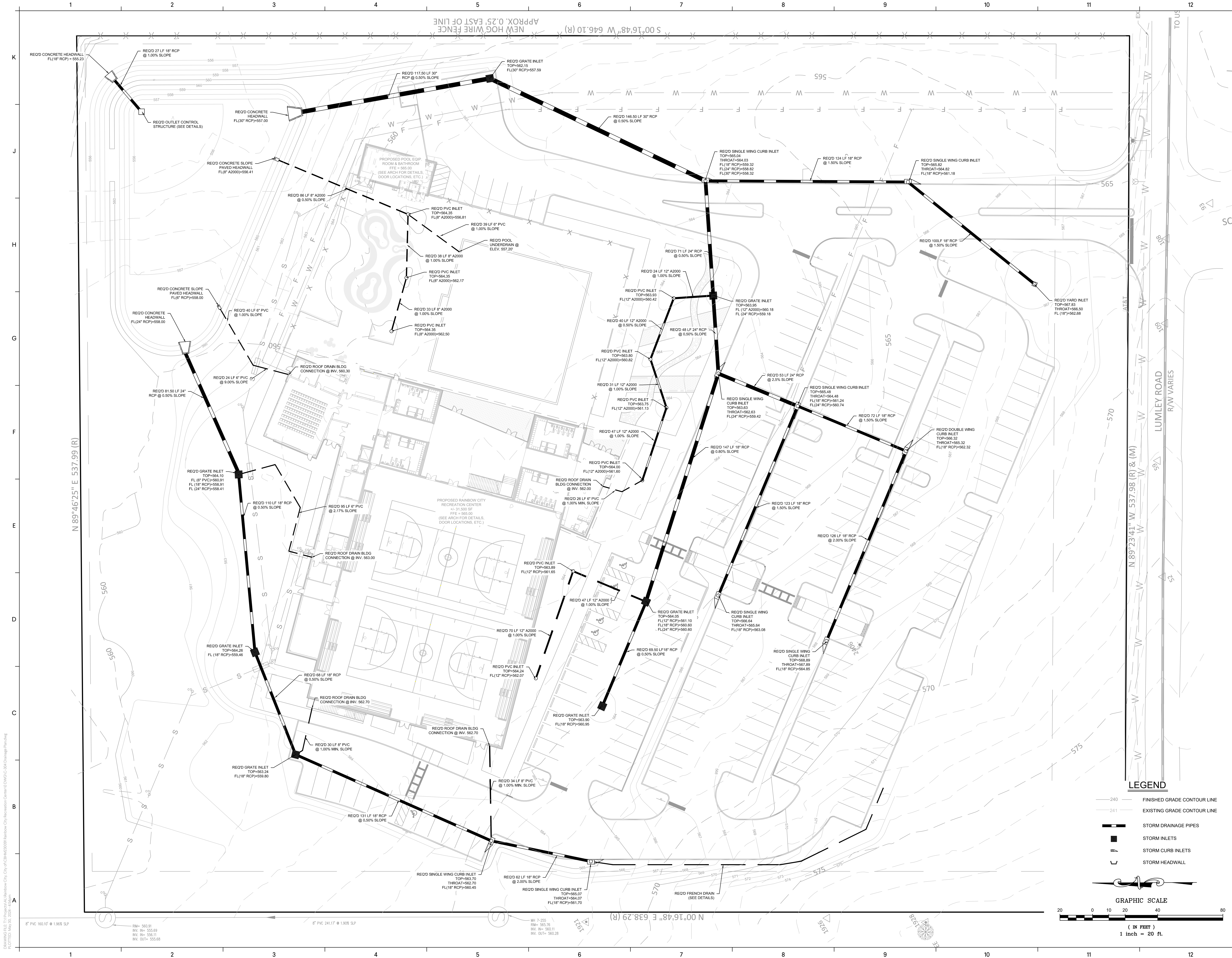
SITE UTILITY PLAN

C-301

LEGEND

- W — DOMESTIC WATER LINE (SIZE AND TYPE AS NOTED)
- S — SANITARY SEWER LINE (SIZE AND TYPE AS NOTED)
- F — FIRE WATER LINE (SIZE AND TYPE AS NOTED)
- * — 6" FIRE HYDRANT ASSEMBLY
- ◻ — GATE VALVE (SIZE PER LINE)





GMC

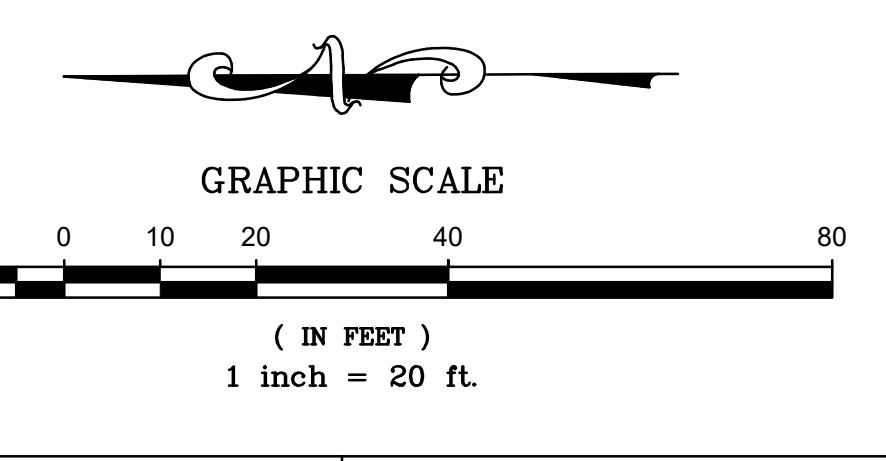
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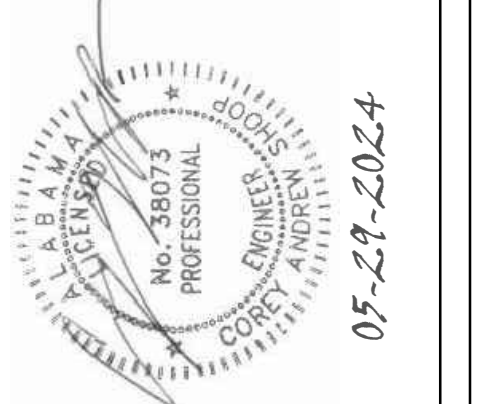
DRAWN BY:
 CHECKED BY:

LEGEND

- 240 — FINISHED GRADE CONTOUR LINE
- 241 — EXISTING GRADE CONTOUR LINE
- — STORM DRAINAGE PIPES
- STORM INLETS
- ▣ STORM CURB INLETS
- ▤ STORM HEADWALL



RAINBOW CITY RECREATION CENTER
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CBHM230091



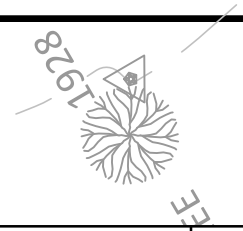
DRAINAGE PLAN
C-304
 SHEET OF

DRAWING FILE: T:\Projects\AL\Rainbow City Recreation Center\DWG\C-304 Drainage\Rainbow City Recreation Center.dwg
 PLOTTED: May 29, 2024
 PLOTTER: HP DesignJet T1200

8" PVC 160.10' @ 1.95% SLP
 8" PVC 561.91
 INV. IN= 555.69
 INV. IN= 556.11
 INV. OUT= 555.68

8" PVC 241.17' @ 1.90% SLP
 MH 7-255
 RM= 565.76
 INV. IN= 560.11
 INV. OUT= 560.28

MH 7-255
 RM= 565.76
 INV. IN= 560.11
 INV. OUT= 560.28

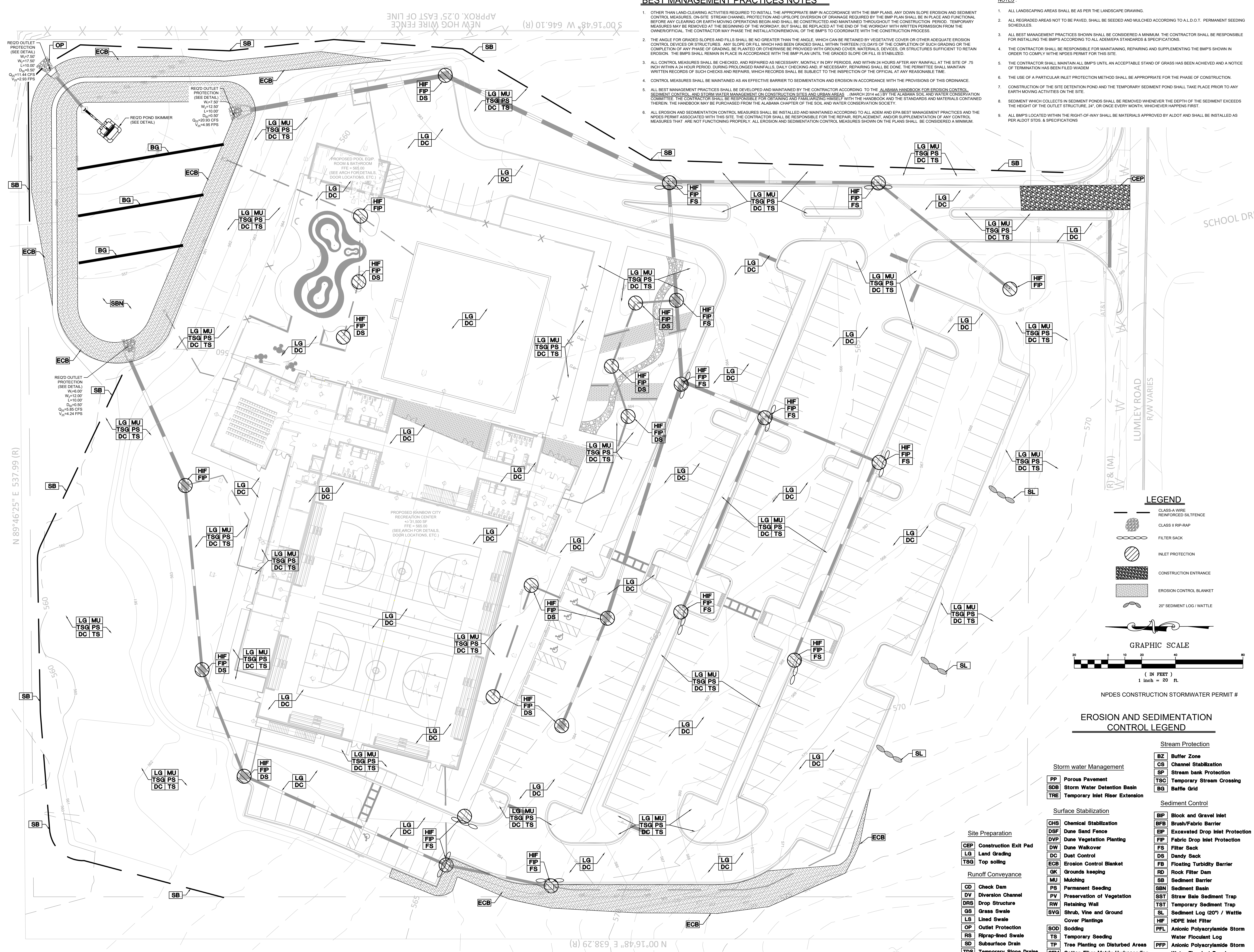


BEST MANAGEMENT PRACTICES NOTES

- 1. OTHER THAN LAND-CLEARING ACTIVITIES REQUIRED TO INSTALL THE APPROPRIATE BMP IN ACCORDANCE WITH THE BMP PLANS, ANY DOWN SLOPE EROSION AND SEDIMENT CONTROL MEASURES, ON-SITE STREAM CHANNEL PROTECTION AND UP-SLOPE DIVERSION OF DRAINAGE REQUIRED BY THE BMP PLAN SHALL BE IN PLACE AND FUNCTIONAL BEFORE ANY CLEARING OR EARTH MOVING OPERATIONS BEGIN AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY, BUT SHALL BE REPLACED AT THE END OF THE WORKDAY WITH WRITTEN PERMISSION FROM THE OWNER/OFFICIAL. THE CONTRACTOR MAY PHASE THE INSTALLATION/REMOVAL OF THE BMP'S TO COORDINATE WITH THE CONSTRUCTION PROCESS.
2. THE ANGLE FOR GRADED SLOPES AND FILLS SHALL BE NO GREATER THAN THE ANGLE, WHICH CAN BE RETAINED BY VEGETATIVE COVER OR OTHER ADEQUATE EROSION CONTROL DEVICES OR STRUCTURES. ANY SLOPE OR FILL WHICH HAS BEEN GRADED SHALL WITHIN THIRTEEN (13) DAYS OF THE COMPLETION OF SUCH GRADING OR THE COMPLETION OF ANY PHASE OF GRADING, BE PLANTED OR OTHERWISE BE PROVIDED WITH GROUND COVER, MATERIALS, DEVICES, OR STRUCTURES SUFFICIENT TO RETAIN EROSION. THE BMP'S SHALL REMAIN IN PLACE IN ACCORDANCE WITH THE BMP PLAN UNTIL THE GRADED SLOPE/FILL IS STABILIZED.
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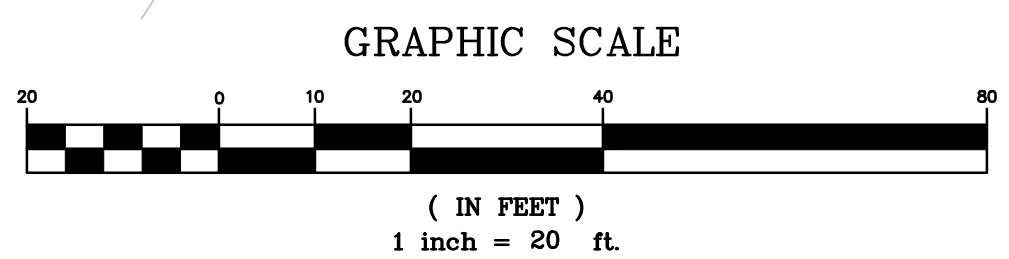
NOTES:

- 1. ALL LANDSCAPING AREAS SHALL BE AS PER THE LANDSCAPE DRAWING.
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8. SEDIMENT WHICH COLLECTS IN SEDIMENT PONDS SHALL BE REMOVED WHENEVER THE DEPTH OF THE SEDIMENT EXCEEDS THE HEIGHT OF THE OUTLET STRUCTURE 24" OR ONCE EVERY MONTH, WHICHEVER HAPPENS FIRST.
9. ALL BMP'S LOCATED WITHIN THE RIGHT-OF-WAY SHALL BE MATERIALS APPROVED BY ALDOT AND SHALL BE INSTALLED AS PER ALDOT STD'S. & SPECIFICATIONS.



LEGEND

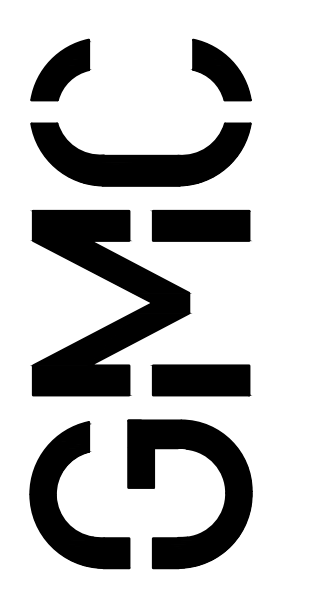
- CLASS-A WIRE REINFORCED SILT-FENCE
CLASS II RIP-RAP
FILTER SACK
INLET PROTECTION
CONSTRUCTION ENTRANCE
EROSION CONTROL BLANKET
20" SEDIMENT LOG / WATTLE



NPDES CONSTRUCTION STORMWATER PERMIT #

EROSION AND SEDIMENTATION CONTROL LEGEND

- Storm water Management: PP Porous Pavement, SDB Storm Water Detention Basin, TRE Temporary Inlet Riser Extension
Surface Stabilization: CHS Chemical Stabilization, DSF Dune Sand Fence, DVP Dune Vegetation Planting, DW Dune Walkover, DC Dust Control, ECB Erosion Control Blanket, GK Grounds Keeping, MU Mulching, PS Permanent Seeding, PV Preservation of Vegetation, RW Retaining Wall, SVG Shrub, Vine and Ground Cover Plantings, LS Lined Swale, SOD Sodding, TS Temporary Seeding, TP Tree Planting on Disturbed Areas, CFM Cotton Fiber Matrix Hydroseeding
Site Preparation: CEP Construction Exit Pad, LG Land Grading, TSG Top soiling
Runoff Conveyance: CD Check Dam, DV Diversion Channel, DRS Drop Structure, GS Grass Swale, LS Lined Swale, OP Outlet Protection, RS Riprap-lined Swale, SD Subsurface Drain, TDS Temporary Slope Drains
Stream Protection: BZ Buffer Zone, CS Channel Stabilization, SP Stream bank Protection, TSC Temporary Stream Crossing, BG Baffle Grid
Sediment Control: BIP Block and Gravel Inlet, BFB Brush/Fabric Barrier, EIP Excavated Drop Inlet Protection, FIP Fabric Drop Inlet Protection, FS Filter Sack, DS Dandy Sack, FB Floating Turbidity Barrier, RD Rock Filter Dam, SB Sediment Barrier, SBN Sediment Basin, SST Straw Bale Sediment Trap, TST Temporary Sediment Trap, SL Sediment Log (20") / Wattle, HIF HDPE Inlet Filter, PPL Anionic Polycrylamide Storm Water Flocculant Log, PFP Anionic Polycrylamide Storm Water Flocculant Powder



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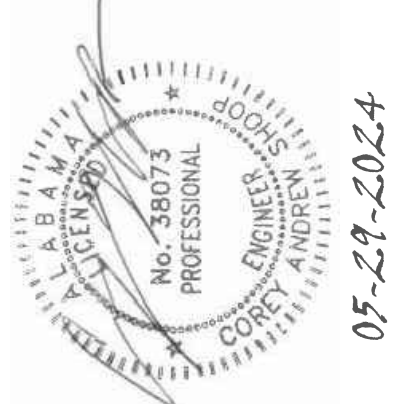
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Rainbow City, AL

CBHM230091

EROSION AND SEDIMENT CONTROL PLAN

C-601



DRAWING FILE: T:\Projects\Rainbow City\City of Rainbow City\Recreation Center\DWG\C-601.RCP.dwg
PLOTTED: May 20, 2024

BEST MANAGEMENT PRACTICES NOTES

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NEW HOG WIRE FENCE
APPROX. 0.25' EAST OF LINE
S 00°16'48" W 646.10 (R)

N 89°46'25" E 537.99 (R)

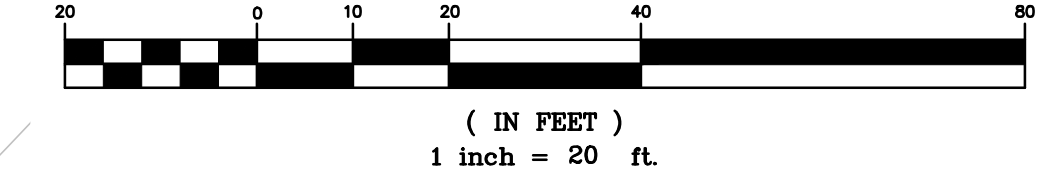
N 00°16'48" E 638.29 (R)

ALTERNATE WORK:
 1. WITHIN THE ALTERNATE LIMITS SHOWN, CONTRACTOR TO INCLUDE THE ADDITION OF THE EXTERIOR AMPHITHEATER WITH ALL REQUIRED UTILITIES, GRADING, AND COORDINATION AS REQUIRED.
 2. WITHIN THE ALTERNATE LIMITS SHOWN, CONTRACTOR TO INCLUDE THE ADDITION OF ALL UNDERGROUND PLUMBING REQUIREMENTS FOR THE SPLASH PAD, AS WELL AS ALL GRADING, DRAINAGE, AND HARDSCAPES AS SHOWN TO FACILITATE FUTURE CONSTRUCTION OF THE SPLASH PAD.
 3. WITHIN THE ALTERNATE LIMITS SHOWN, CONTRACTOR TO INCLUDE ALL GRADING, DRAINAGE, AND HARDSCAPES AS SHOWN TO FACILITATE FUTURE CONSTRUCTION OF THE PLAYGROUND.

LEGEND

- CLASS-A WIRE REINFORCED SILT-FENCE
- CLASS II RIP-RAP
- FILTER SACK
- INLET PROTECTION
- CONSTRUCTION ENTRANCE
- EROSION CONTROL BLANKET
- 20" SEDIMENT LOG / WATTLE

GRAPHIC SCALE



NPDES CONSTRUCTION STORMWATER PERMIT #

EROSION AND SEDIMENTATION CONTROL LEGEND

- | | |
|---|--|
| Storm water Management | Stream Protection |
| PP Porous Pavement | BZ Buffer Zone |
| SDB Storm Water Detention Basin | CS Channel Stabilization |
| TRE Temporary Inlet Riser Extension | SP Stream bank Protection |
| | TSC Temporary Stream Crossing |
| Surface Stabilization | BG Baffle Grid |
| CHS Chemical Stabilization | BIP Block and Gravel Inlet |
| DSF Dune Sand Fence | FBF Brush/Fabric Barrier |
| DVP Dune Vegetation Planting | EP Excavated Drop Inlet Protection |
| DW Dune Walkover | FP Fabric Drop Inlet Protection |
| LG Land Grading | FS Filter Sack |
| TSG Top soiling | DS Dandy Sack |
| ECB Erosion Control Blanket | FB Floating Turbidity Barrier |
| GK Grounds keeping | RD Rock Filter Dam |
| MU Mulching | SB Sediment Barrier |
| PS Permanent Seeding | SBN Sediment Basin |
| PV Preservation of Vegetation | SST Straw Bale Sediment Trap |
| RW Retaining Wall | TST Temporary Sediment Trap |
| SVG Shrub, Vine and Ground Cover Plantings | SL Sediment Log (20") / Wattle |
| SOD Sodding | HL HDPE Inlet Filter |
| TS Temporary Seeding | PPL Anionic Polycrylamide Storm Water Flocculant Log |
| TP Tree Planting on Disturbed Areas | PPP Anionic Polycrylamide Storm Water Flocculant Powder |
| CFM Cotton Fiber Matrix Hydroseeding | |

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ALTERNATE EROSION AND SEDIMENTATION CONTROL PLAN

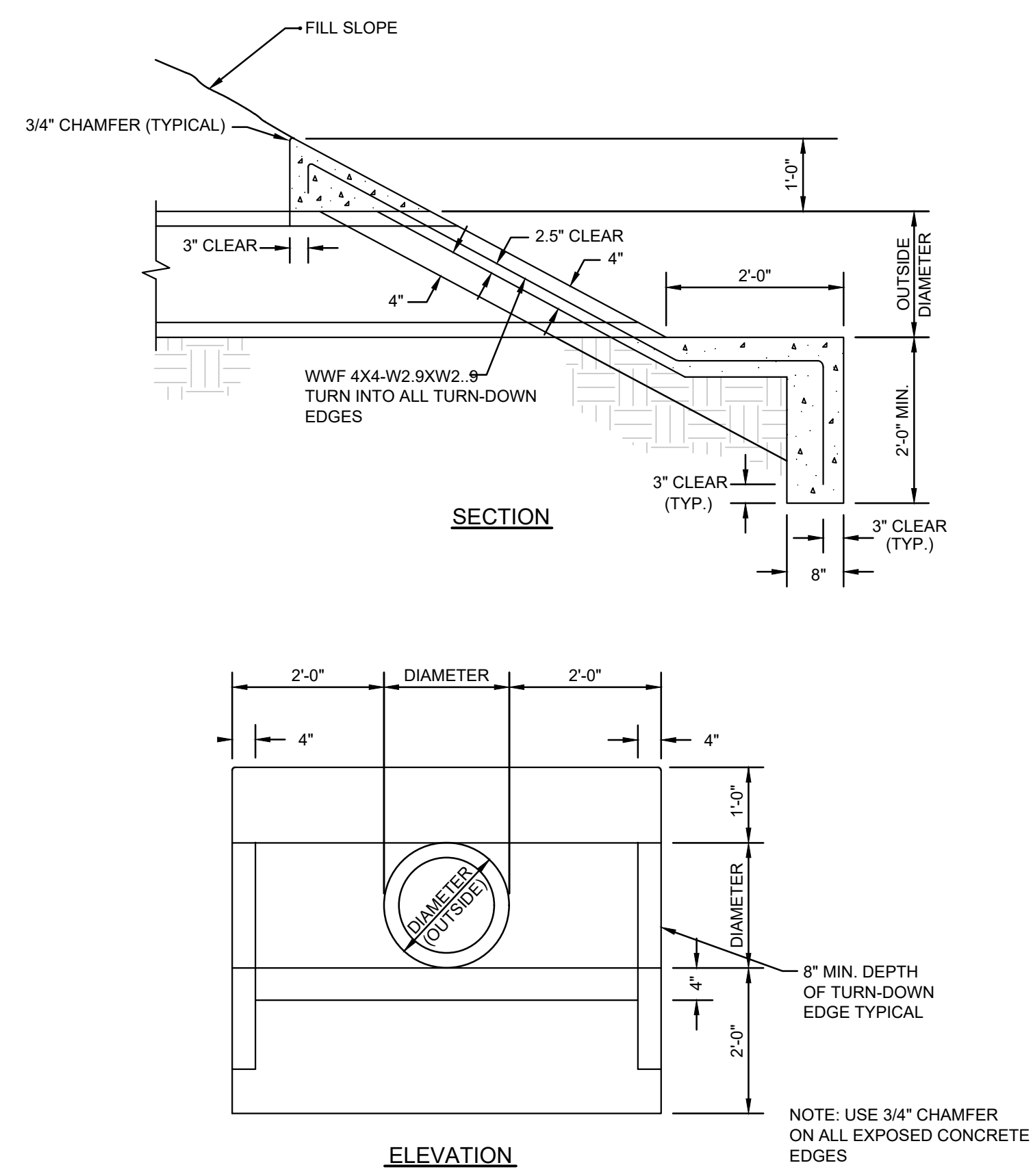
C-602

PROFESSIONAL ENGINEER
No. 78073
STATE OF ALABAMA

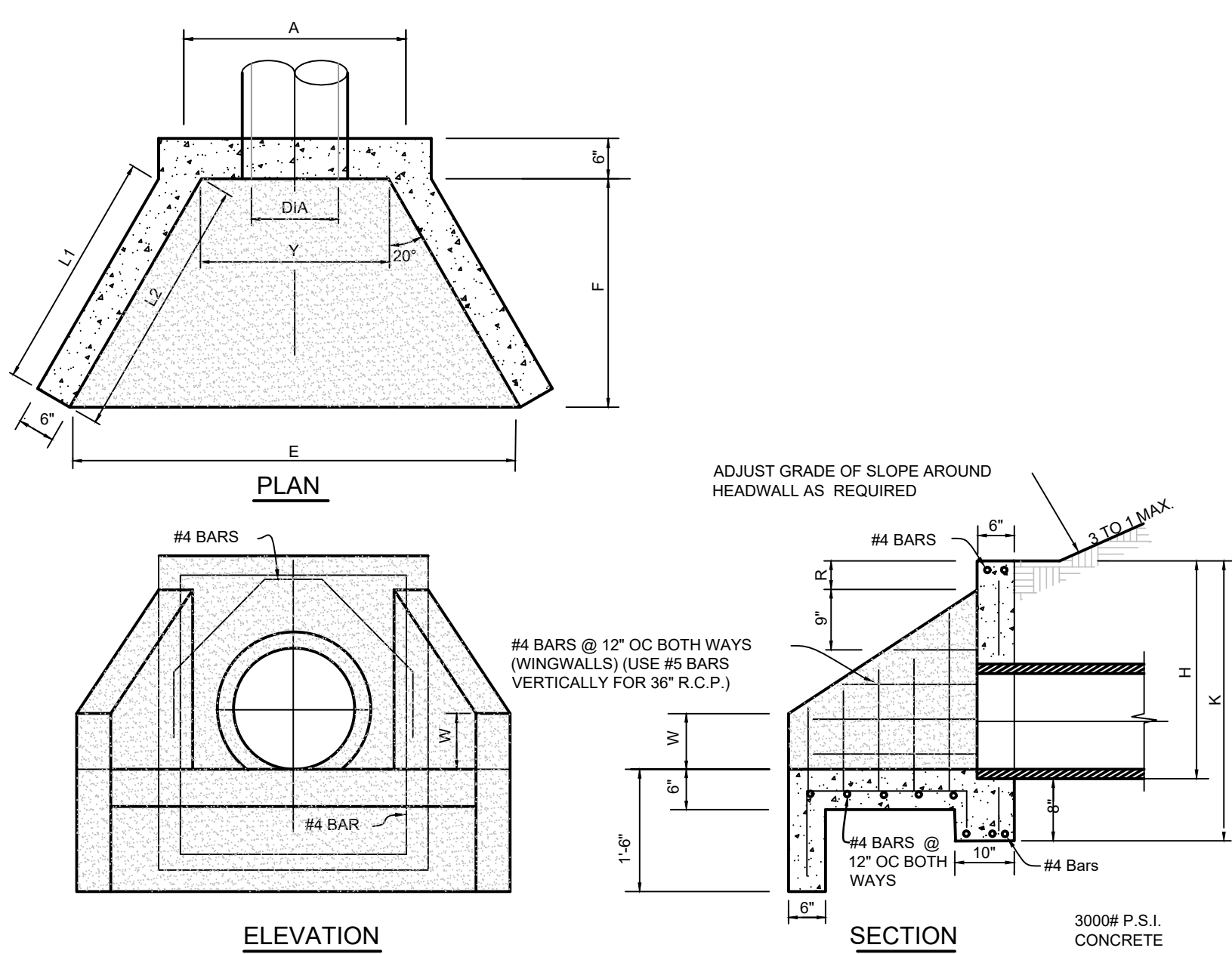
05-29-2024

CBHM230091

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PLOT FILE: May 29, 2024 10:58 AM



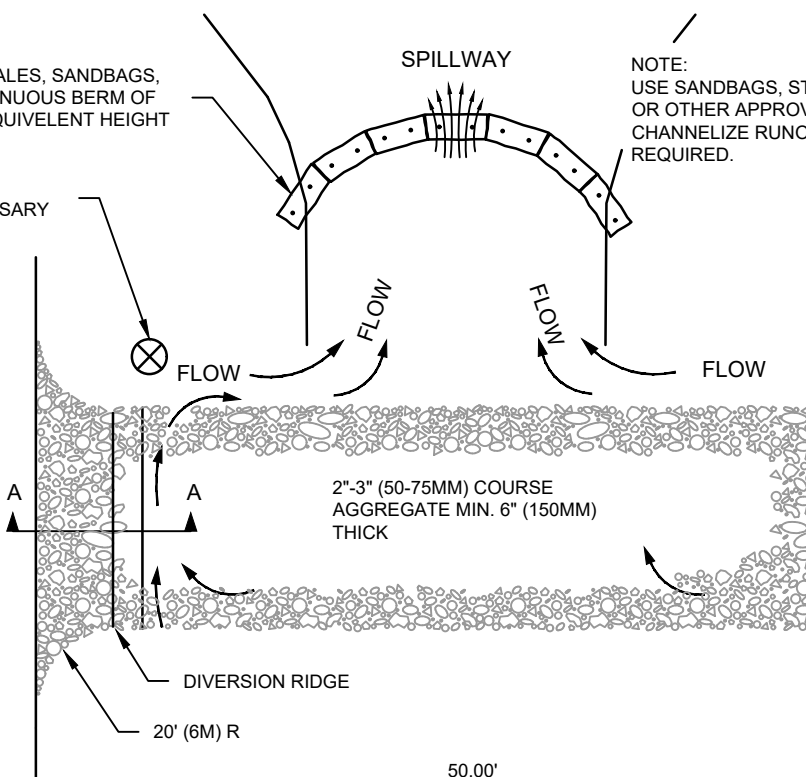
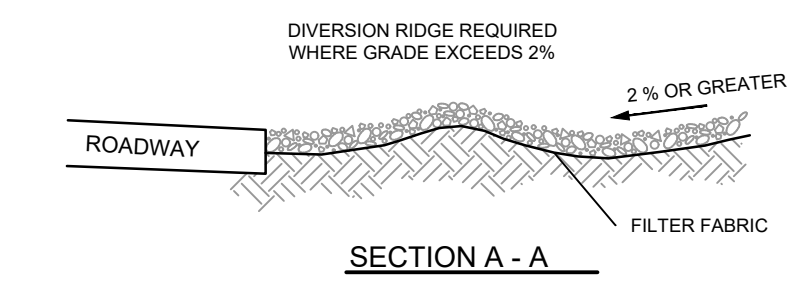
CONCRETE SLOPED PAVED HEADWALL
N.T.S.



STANDARD HEADWALL DETAIL
N.T.S.

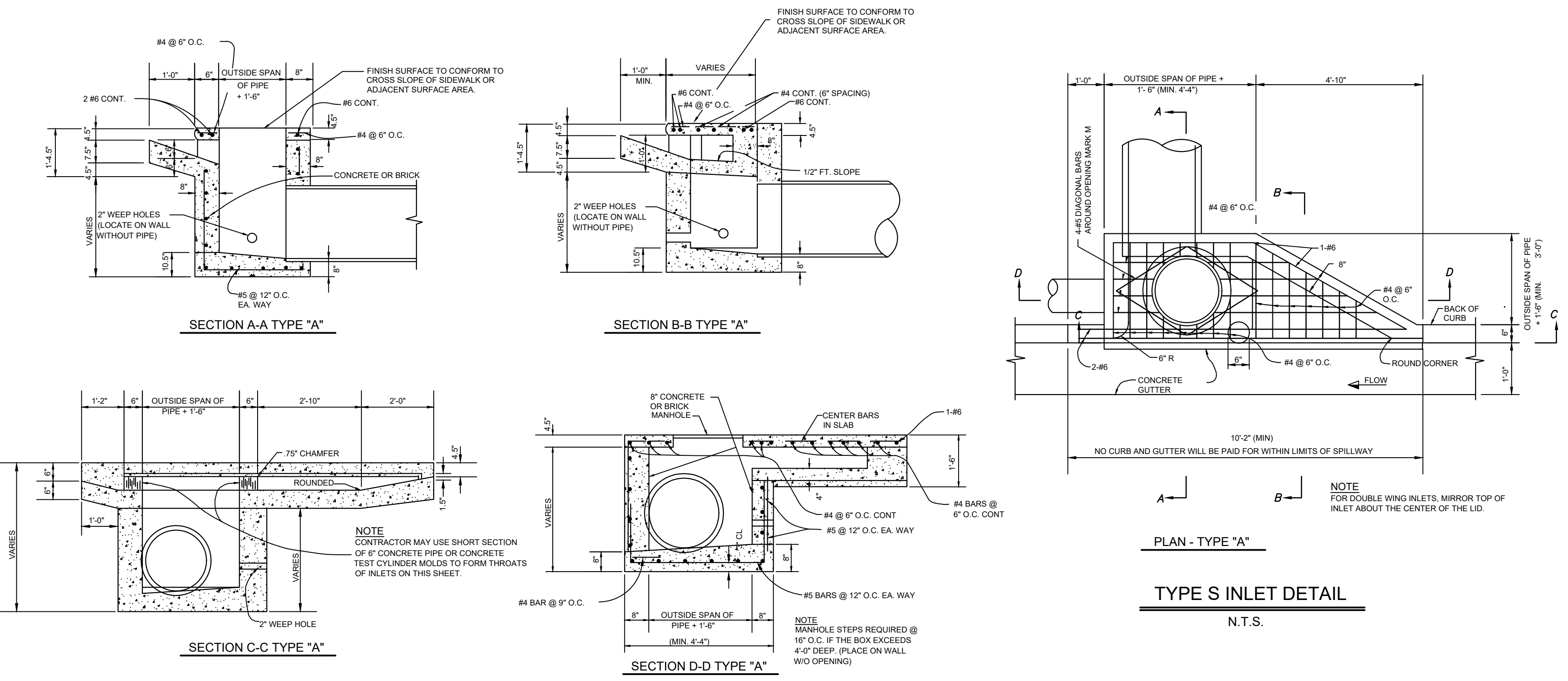
*Refer to ALDOT Special Drawing No. H.W. - 620-36

Pipe Size Inside Diameter	Min Thick Of Shell	A	E	F	H	R	L1	W	Y	K
18"	2"	3'-6 3/4"	5'-3 7/8"	8'-2"	2'-8 1/2"	7"	8'-3 3/4"	0'-8"	2'-6"	3'-4 1/2"
24"	2 1/2"	4'-1 3/4"	6'-9"	8'-10"	3'-3 1/2"	7"	7'-1 1/8"	0'-9 1/2"	3'-1"	3'-11 1/2"
30"	3 1/4"	4'-9 1/4"	8'-2"	8'-2"	3'-10 1/2"	7"	8'-4 1/8"	0'-11 3/4"	3'-8 1/2"	4'-8 1/2"
36"	3 1/2"	5'-3 3/4"	9'-6 3/8"	9'-8"	4'-5 1/2"	7 1/2"	10'-1 1/4"	1'-1 1/2"	4'-3"	5'-1 1/2"
42"	4"	5'-10 3/4"	11'-0"	11'-0"	5'-0 1/2"	7 1/2"	11'-6 1/4"	1'-4"	4'-10"	5'-8 1/2"
48"	4 1/2"	6'-5 3/4"	12'-6"	12'-6"	5'-7 1/2"	7 1/2"	13'-1 1/2"	1'-6"	5'-5"	6'-3 1/2"
54"	5 1/2"	7'-1 3/4"	13'-10"	13'-10"	5'-2 1/2"	8"	14'-6 1/2"	1'-7 1/2"	6'-1"	6'-10 1/2"
60"	6"	7'-8 3/4"	15'-6"	15'-6"	5'-9 1/2"	8"	16'-3 3/4"	1'-9"	6'-8"	7'-5 1/2"
66"	6 1/2"	8'-3 3/4"	16'-8"	16'-8"	7'-5"	8 1/2"	17'-6 3/4"	2'-0"	7'-3"	8'-1"

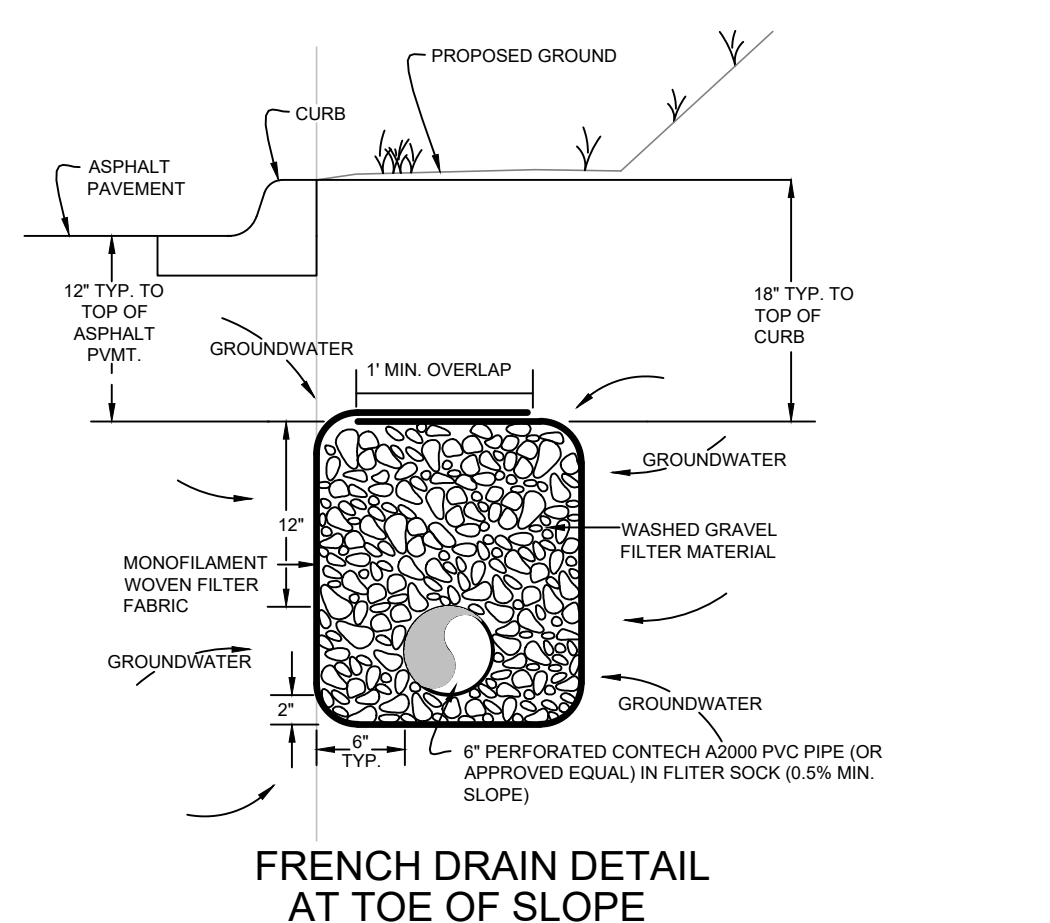


TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT DETAIL
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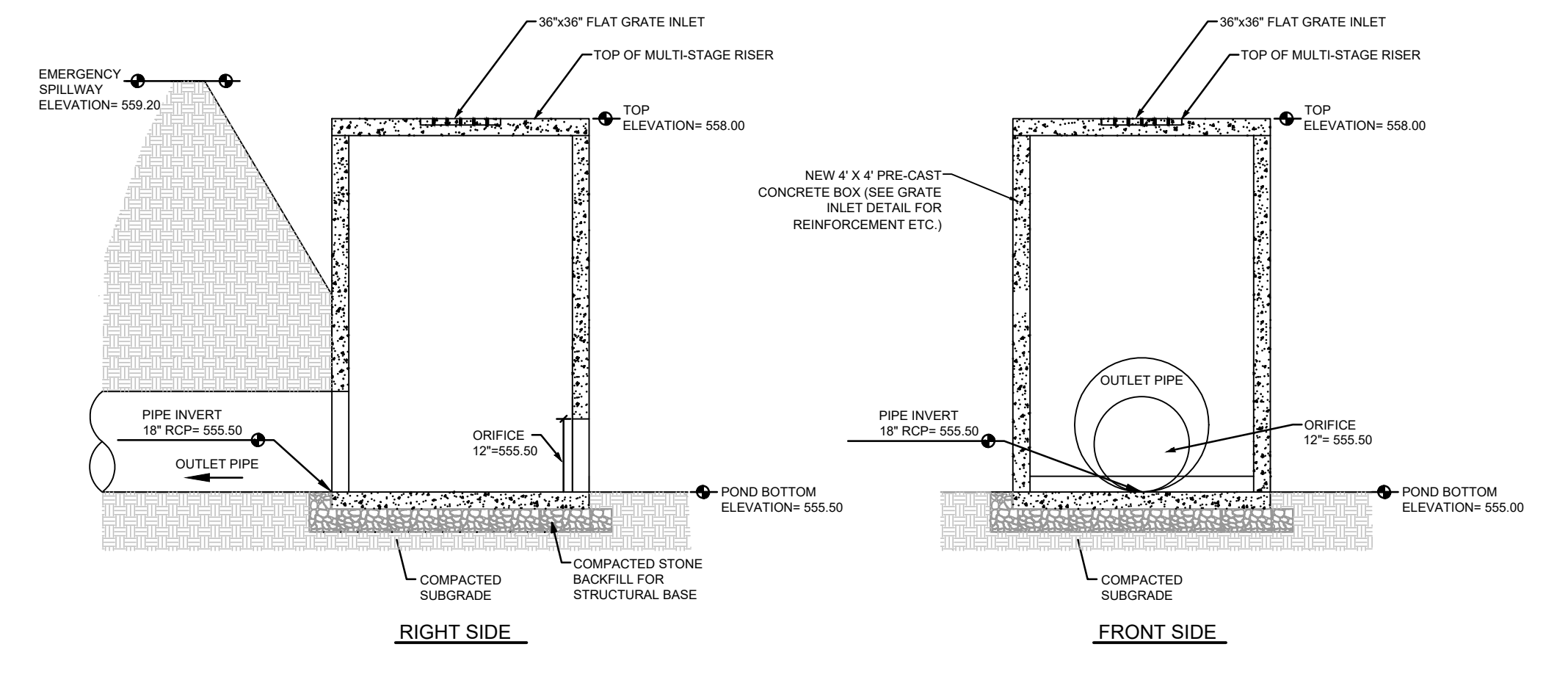
NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP CRASSING, REPAIR AND CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.



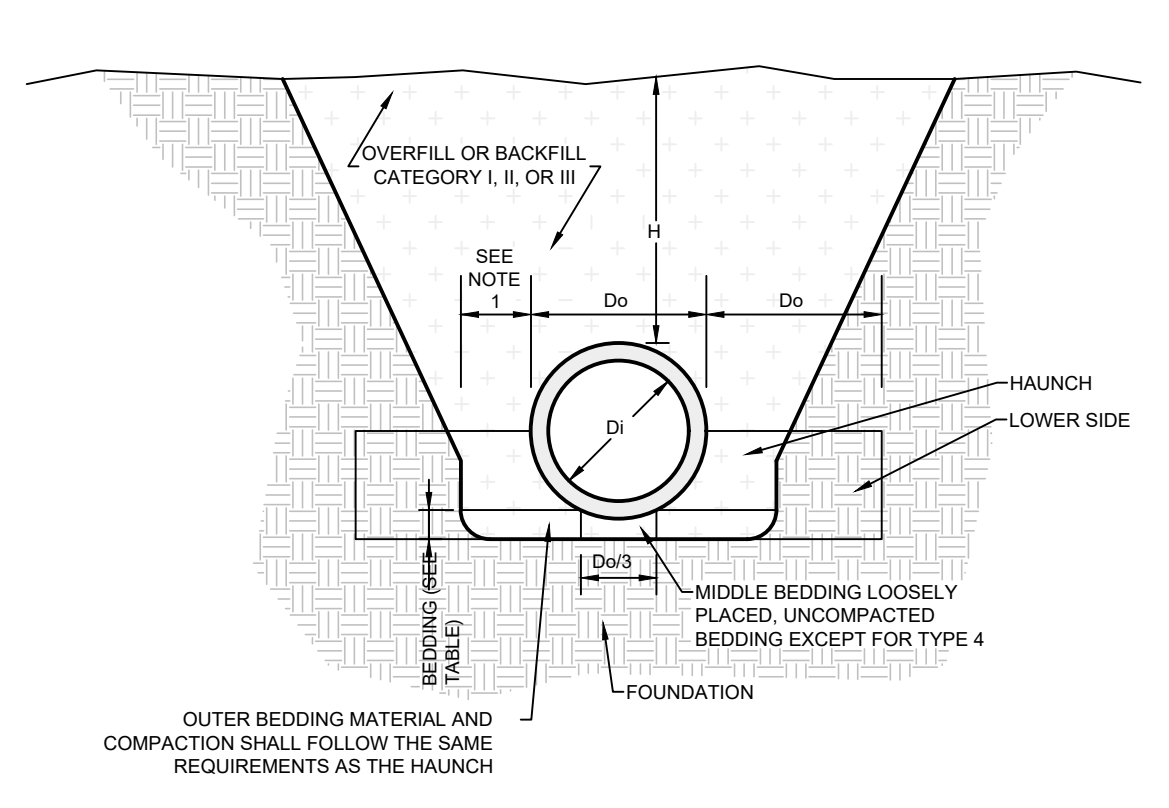
TYPE S INLET DETAIL
N.T.S.



FRENCH DRAIN DETAIL AT TOE OF SLOPE
N.T.S.



DETENTION POND OUTLET STRUCTURE
N.T.S.



NOTES:
1. CLEARANCE BETWEEN PIPE AND TRENCH WALL SHALL BE EQUAL TO D₂₀ OR 12" MINIMUM.
2. COMPACTION AND SOIL SYMBOLS, IE 90% CATEGORY I, REFER TO A SOIL MATERIAL CATEGORY WITH A MINIMUM STANDARD PROCTOR DENSITY.
3. WHEN THE TRENCH WIDTH SPECIFIED MUST BE EXCEEDED, THE ENGINEER SHALL BE NOTIFIED.
4. THE TRENCH WIDTH SHALL BE WIDER THAN SHOWN IF REQUIRED FOR ADEQUATE SPACE TO ATTAIN THE SPECIFIED COMPACTION IN THE HAUNCH AND BEDDING ZONES.
5. EMBANKMENT LOADING SHALL BE USED WHEN TRENCH WALLS CONSIST OF EMBANKMENT UNLESS THE GEOTECH REPORT STATES THAT THE SOIL IN THE TRENCH WALLS IS COMPACTED TO A HIGHER LEVEL THAN THE SOIL IN THE BACKFILL ZONE.
6. REQUIRED BEDDING THICKNESS IS THE THICKNESS OF THE BEDDING PRIOR TO THE PLACEMENT OF PIPE.
7. "QUAMPE" MATERIAL WITHOUT ADDITIONAL COMPACTION EFFORT WILL NOT PROVIDE THE DESIGN HAUNCH SUPPORT REQUIRED FOR TYPE 1 AND TYPE 2 INSTALLATIONS AND IT SHOULD BE CHECKED FOR TYPE 3 INSTALLATIONS.
8. SOIL CLASSIFICATION AND COMPACTION REQUIREMENTS SHALL FOLLOW THE PROVIDED TABLES UNLESS OTHERWISE NOTED IN THE PROJECT GEOTECH REPORT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH THE GEOTECH REPORT FOR ANY DISCREPANCIES.
9. PIPE BEDDING DETAILS ARE FOR RCP PIPES ONLY. THE INSTALLATIONS OF ANY OTHER TYPES OF PIPES (SUCH AS ULTRAFLO, HDPE, PVC, ETC.) SHALL BE INSTALLED AS PER THE MANUFACTURER'S STANDARDS AND SPECIFICATIONS.

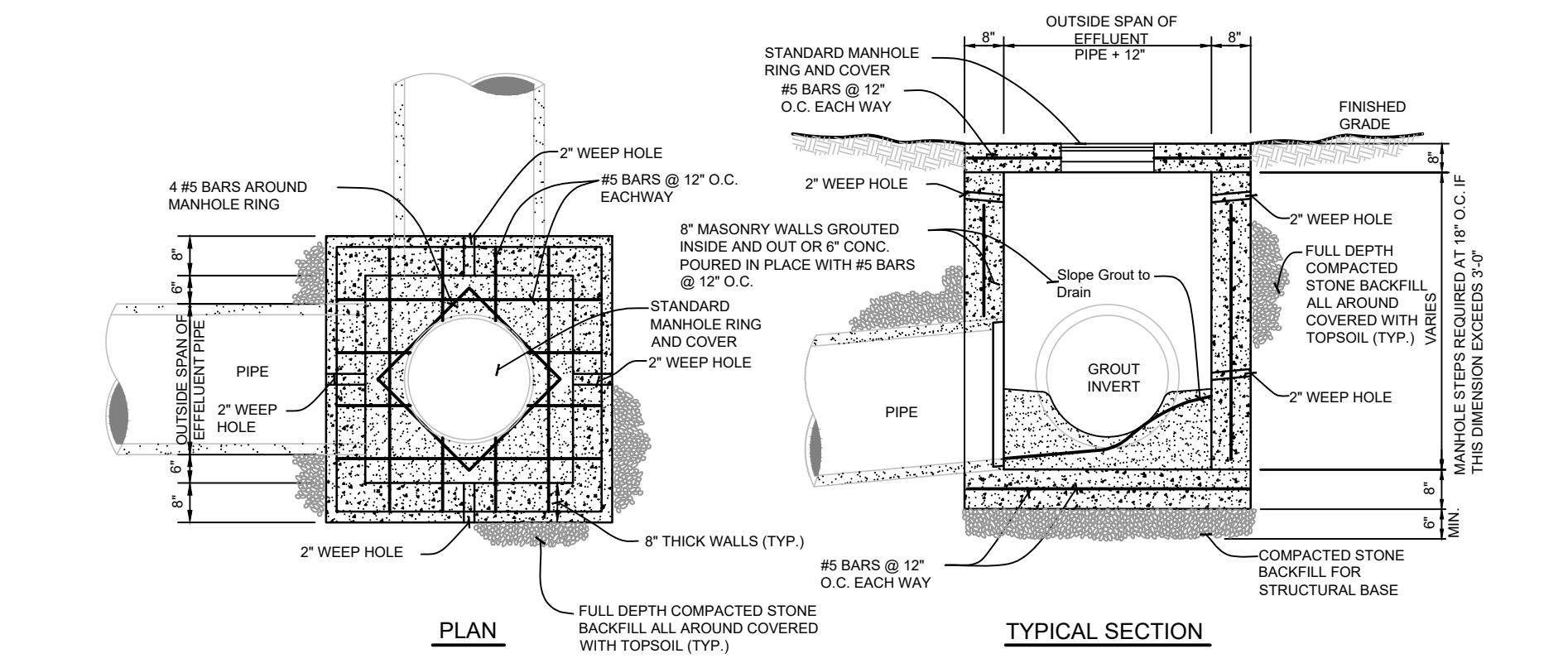
EQUIVALENT USCS AND AASHTO SOIL CLASSIFICATIONS FOR SOIL DESIGNATIONS

SOIL	REPRESENTATIVE SOIL TYPES		PERCENT COMPACTION	
	USCS ASTM D 2487	AASHTO M 145	STANDARD PROCTOR	MODIFIED PROCTOR
CATEGORY I	CLEAN, COURSE GRAINED SOILS, SW, SP, GP, OR ANY SOIL BEGINNING WITH ONE OF THOSE SYMBOLS WITH 1% OR LESS PASSING A #200 SIEVE	A-1, A-3	100	95
			90	85
CATEGORY II	COURSE GRAINED SOILS WITH FINES: ON GC, SM, SC OR ANY SOIL BEGINNING WITH ONE OF THOSE SYMBOLS CONTAINING MORE THAN 12% PASSING A #200 SIEVE, SANDY OR GRAVELLY FINE-GRAINED SOILS, CL, ML, (OR CL-ML, CL-ML, ML, CL) WITH 30% OR MORE RETAINED ON A #200 SIEVE	A-2, A-2-6, A-2-6 OR A-4, OR A-4 SOILS WITH 30% OR MORE RETAINED ON A #200 SIEVE	100	95
			90	85
CATEGORY III	FINE-GRAINED SOILS, CL, ML, (OR CL-ML, CL-ML, ML, CL) WITH LESS THAN 30% RETAINED ON A #200 SIEVE	A-2-7, OR A-4, OR A-6	100	90
			90	80
CATEGORY IV BUT NOT ALLOWED FOR HAUNCH OR BEDDING	MH, CH, CL, OH, PT	A-5, A-7	100	90
			90	80

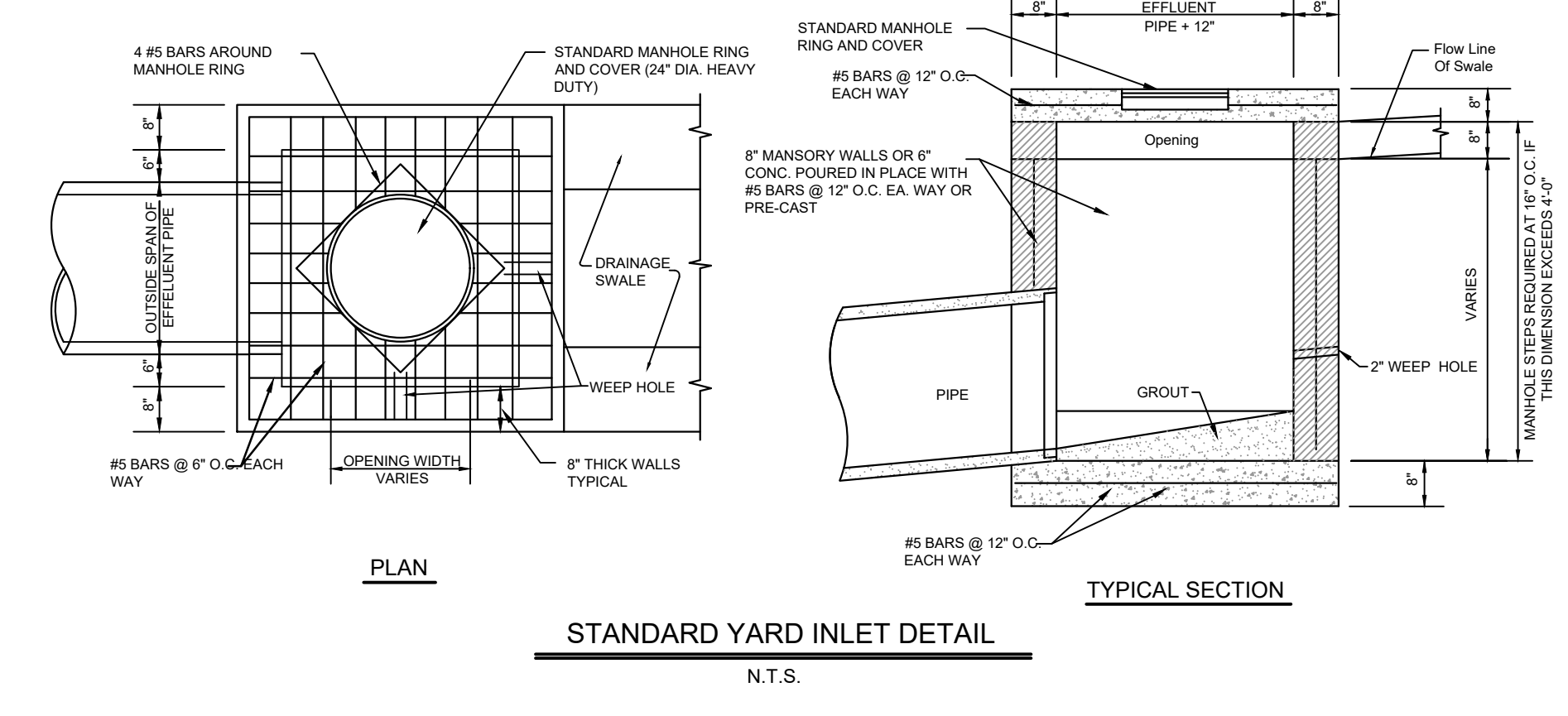
SOIL AND MINIMUM COMPACTION REQUIREMENTS

INSTALLATION TYPE	BEDDING THICKNESS	HAUNCH AND OUTER BEDDING	LOWER SIDE
TYPE 1	D ₂₀ MINIMUM, NOT LESS THAN 3 IN. IF ROCK FOUNDATION, USE D ₁₂ MINIMUM, NOT LESS THAN 6 IN.	95% CATEGORY I	UNDISTURBED NATURAL SOIL WITH FIRMNESS EQUIVALENT TO THE FOLLOWING PLACED SOILS: 90% CATEGORY I, 95% CATEGORY II, OR 100% CATEGORY III, OR EMBANKMENT TO THE SAME REQUIREMENTS.
TYPE 2	D ₂₀ MINIMUM, NOT LESS THAN 3 IN. IF ROCK FOUNDATION, USE D ₁₂ MINIMUM, NOT LESS THAN 6 IN.	90% CATEGORY I OR 95% CATEGORY II	UNDISTURBED NATURAL SOIL WITH FIRMNESS EQUIVALENT TO THE FOLLOWING PLACED SOILS: 85% CATEGORY I, 90% CATEGORY II, OR 95% CATEGORY III, OR EMBANKMENT TO THE SAME REQUIREMENTS.
TYPE 3	D ₂₀ MINIMUM, NOT LESS THAN 3 IN. IF ROCK FOUNDATION, USE D ₁₂ MINIMUM, NOT LESS THAN 6 IN.	85% CATEGORY I OR 90% CATEGORY II	UNDISTURBED NATURAL SOIL WITH FIRMNESS EQUIVALENT TO THE FOLLOWING PLACED SOILS: 85% CATEGORY I, 90% CATEGORY II, OR 95% CATEGORY III, OR EMBANKMENT TO THE SAME REQUIREMENTS.
TYPE 4	NO BEDDING REQUIRED, EXCEPT IF ROCK FOUNDATION, USE D ₁₂ MINIMUM, NOT LESS THAN 6 IN.	NO COMPACTION REQUIRED, EXCEPT IF CATEGORY III, USE 85% CATEGORY III	NO COMPACTION REQUIRED, EXCEPT IF CATEGORY III, USE 85% CATEGORY III.

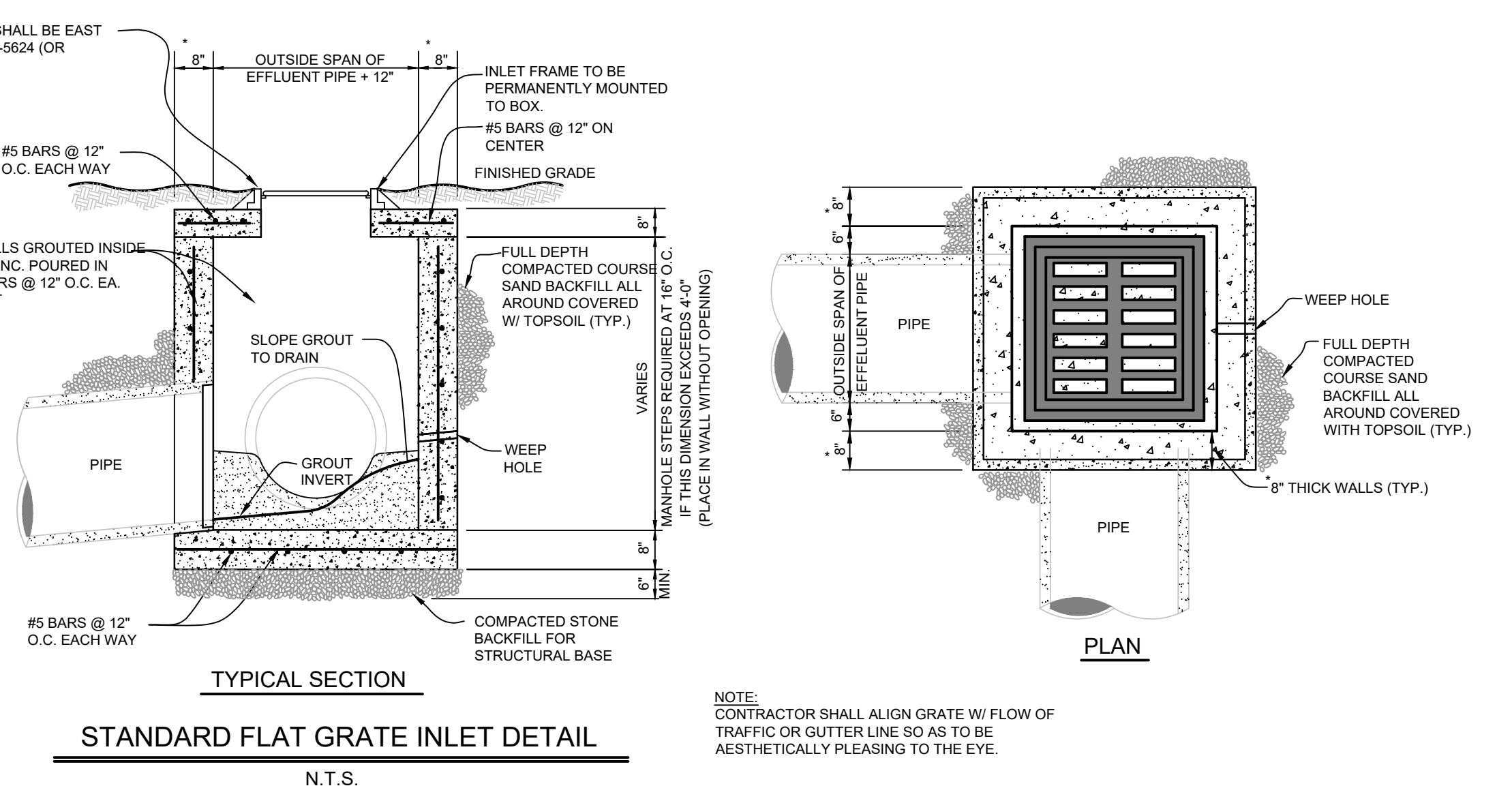
PIPE BEDDING DETAIL
N.T.S.



STANDARD JUNCTION BOX DETAIL
N.T.S.



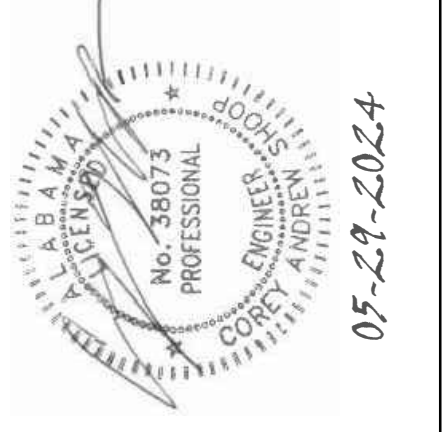
STANDARD YARD INLET DETAIL
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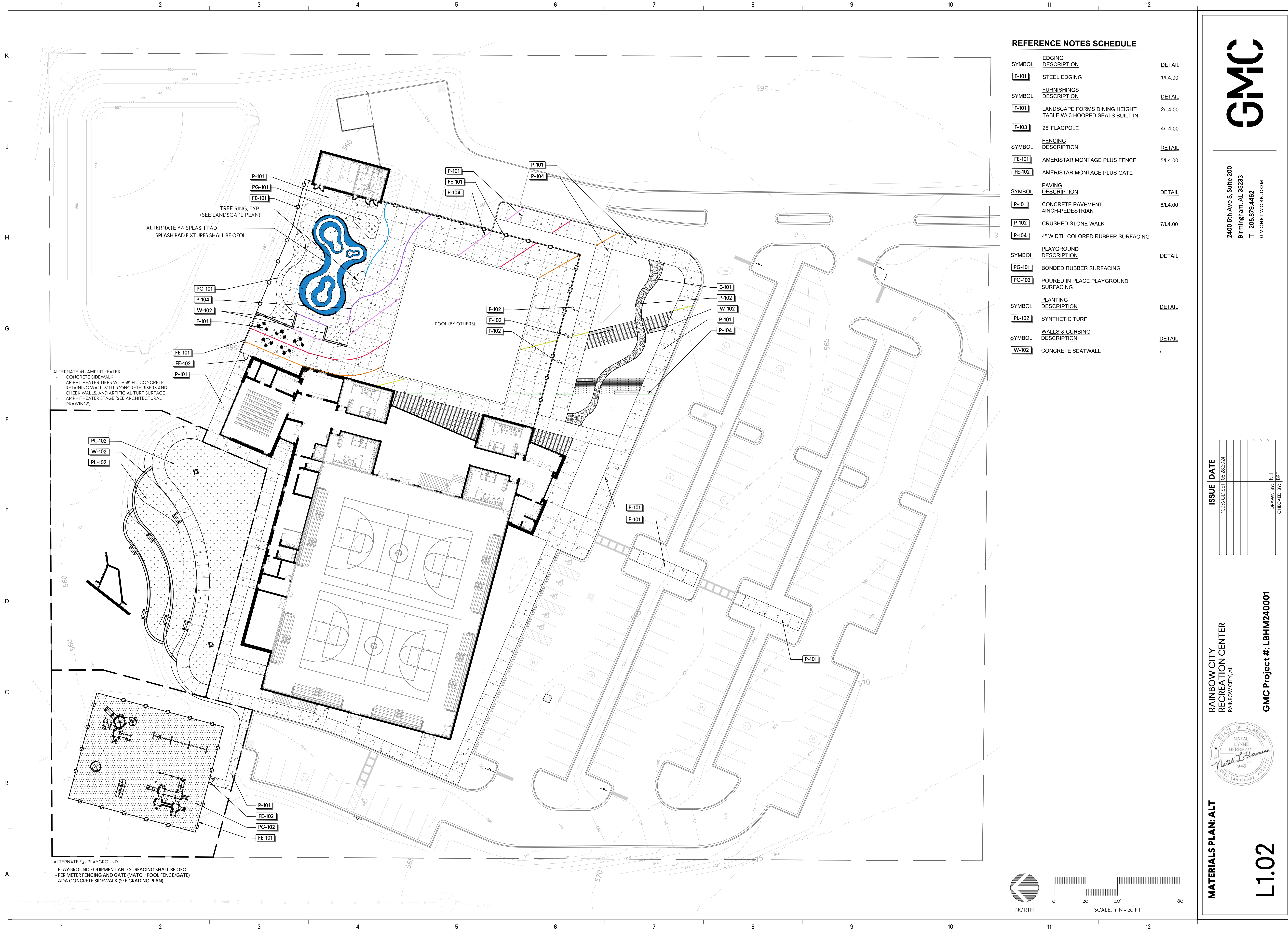


STANDARD FLAT GRATE INLET DETAIL
N.T.S.

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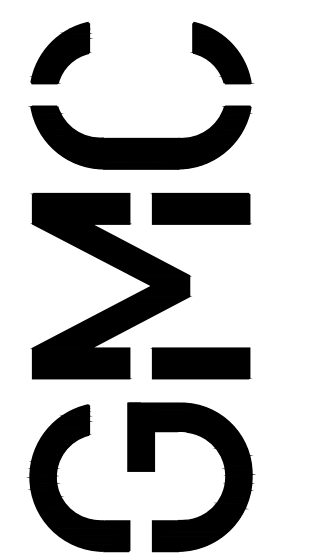
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REFERENCE NOTES SCHEDULE

SYMBOL	EDGING DESCRIPTION	DETAIL
E-101	STEEL EDGING	1/L4.00
SYMBOL	FURNISHINGS DESCRIPTION	DETAIL
F-101	LANDSCAPE FORMS DINING HEIGHT TABLE W/ 3 HOOPED SEATS BUILT IN	2/L4.00
F-103	25' FLAGPOLE	4/L4.00
SYMBOL	FENCING DESCRIPTION	DETAIL
FE-101	AMERISTAR MONTAGE PLUS FENCE	5/L4.00
FE-102	AMERISTAR MONTAGE PLUS GATE	
SYMBOL	PAVING DESCRIPTION	DETAIL
P-101	CONCRETE PAVEMENT, 4INCH-PEDESTRIAN	6/L4.00
P-102	CRUSHED STONE WALK	7/L4.00
P-104	4" WIDTH COLORED RUBBER SURFACING	
SYMBOL	PLAYGROUND DESCRIPTION	DETAIL
PG-101	BONDED RUBBER SURFACING	
PG-102	POURED IN PLACE PLAYGROUND SURFACING	
SYMBOL	PLANTING DESCRIPTION	DETAIL
PL-102	SYNTHETIC TURF	
SYMBOL	WALLS & CURBING DESCRIPTION	DETAIL
W-102	CONCRETE SEATWALL	/



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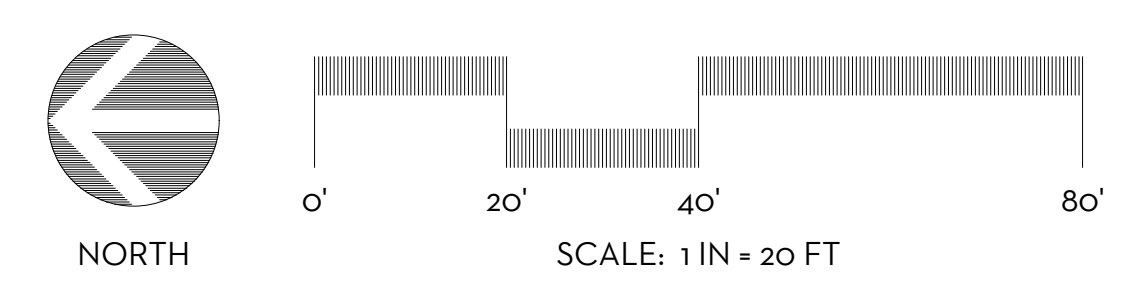
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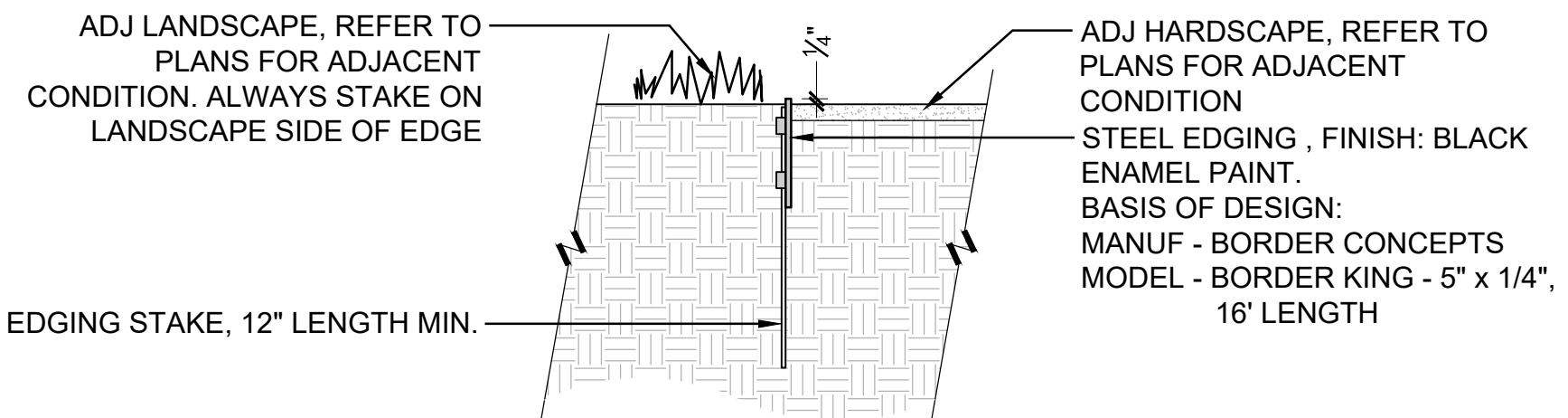
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 CHECKED BY: BRP

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 RAINBOW CITY, AL
 GMC Project #: LBHM240001

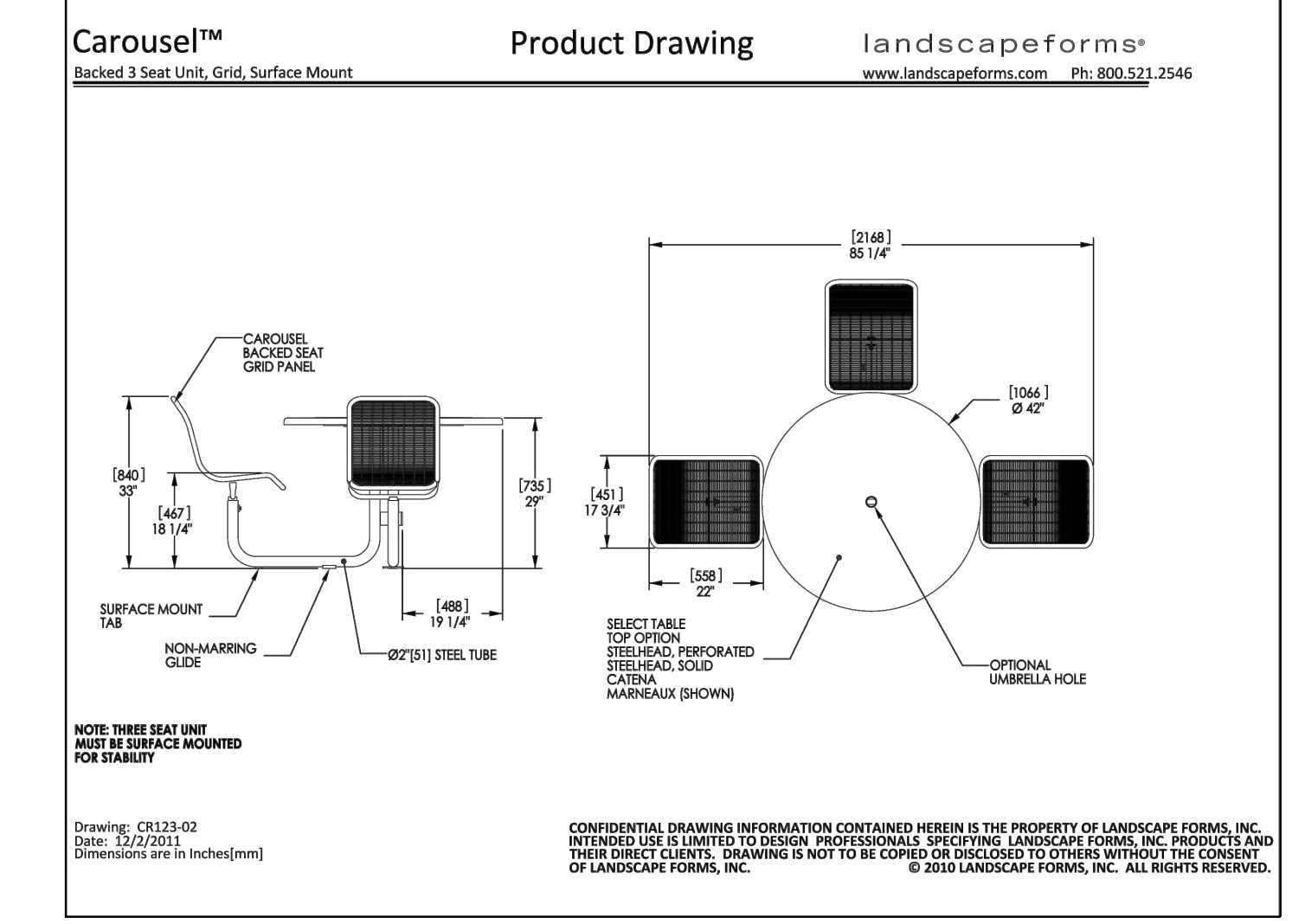


MATERIALS PLAN: ALT
L1.02

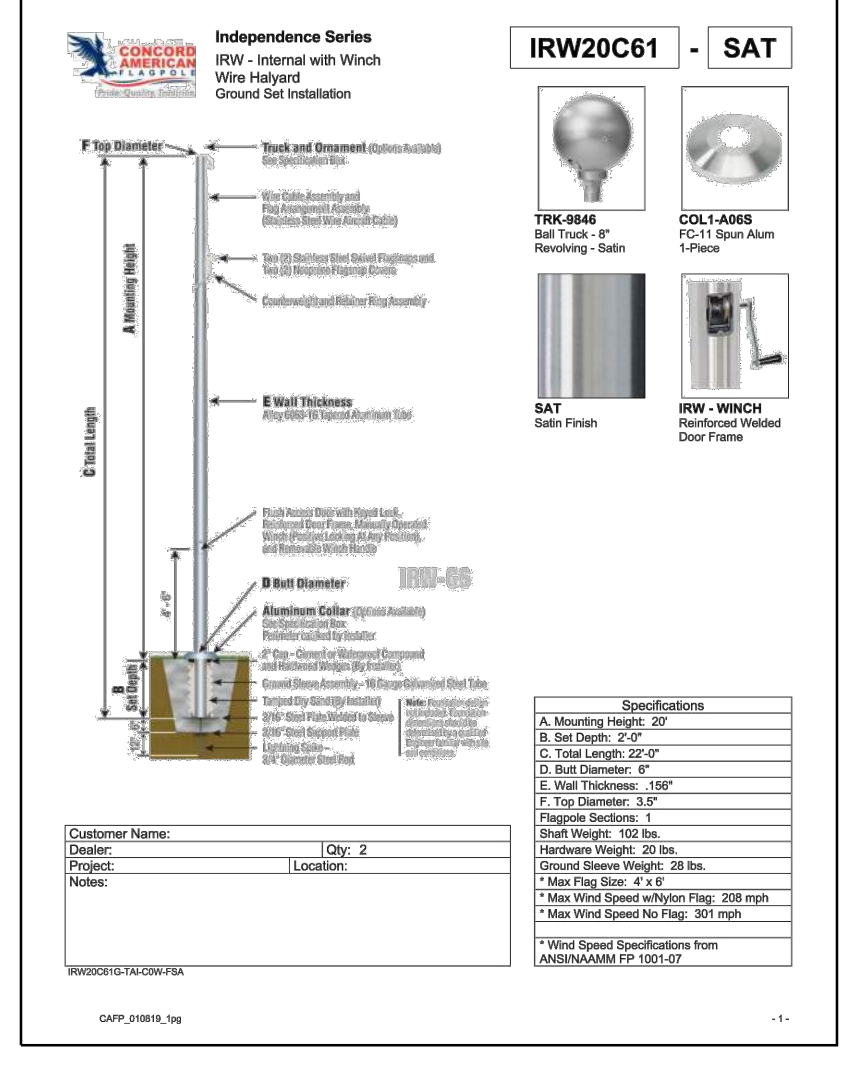




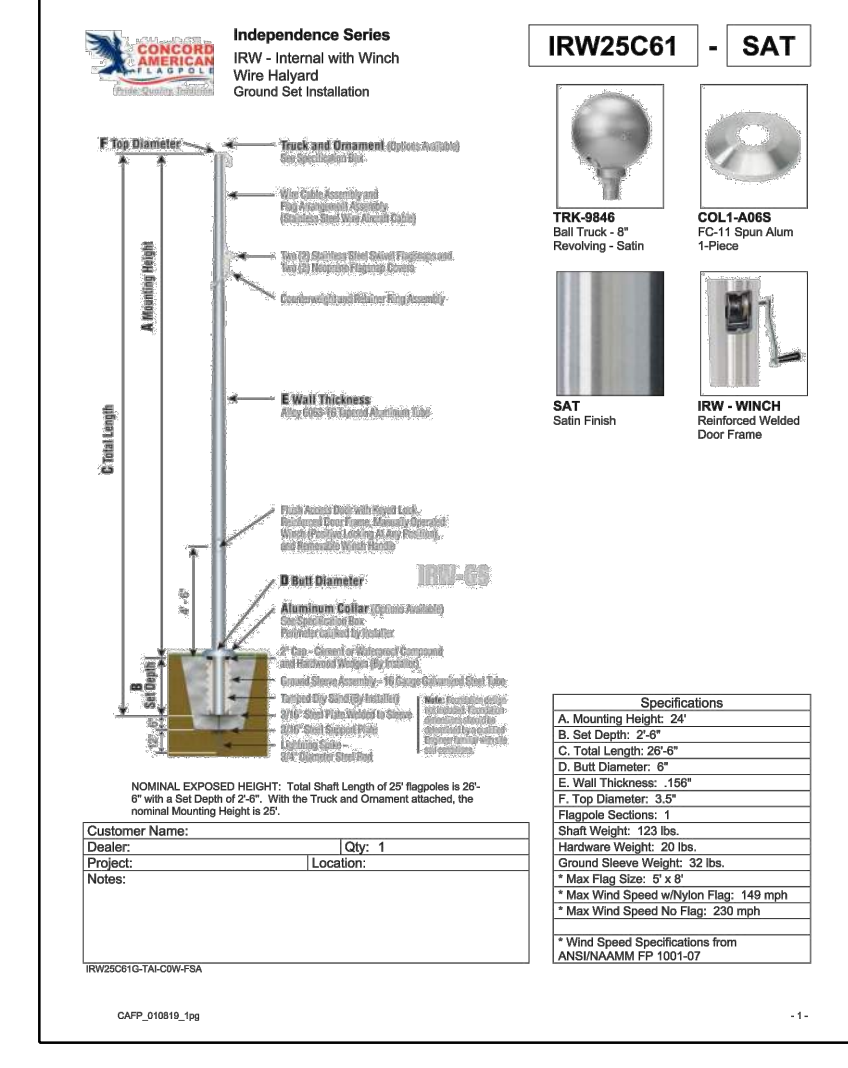
1 STEEL EDGING
1 1/2" = 1'-0"



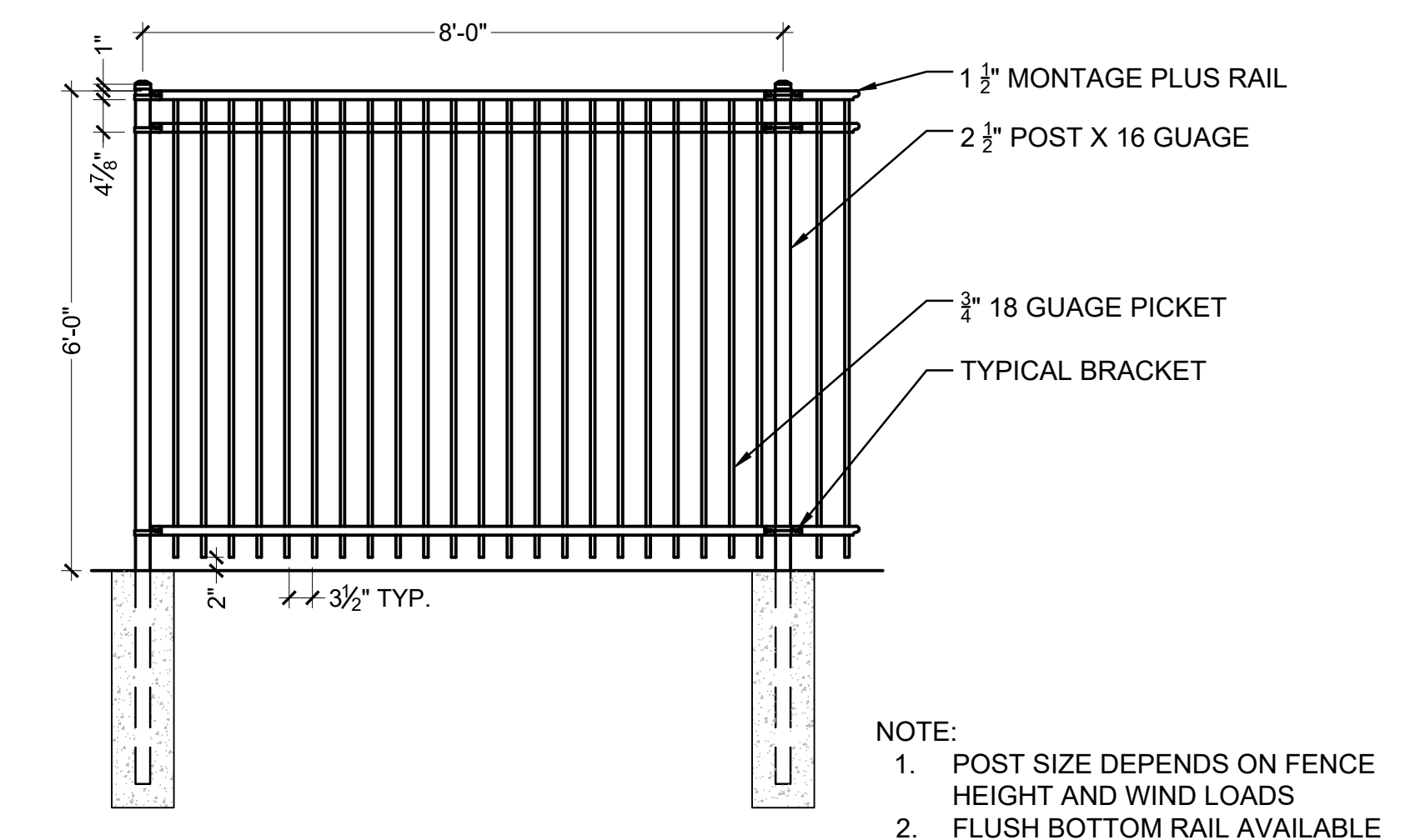
2 LANDSCAPE FORMS CAROUSEL TABLE
3/8" = 1'-0"



3 20' FLAGPOLE
NOT TO SCALE



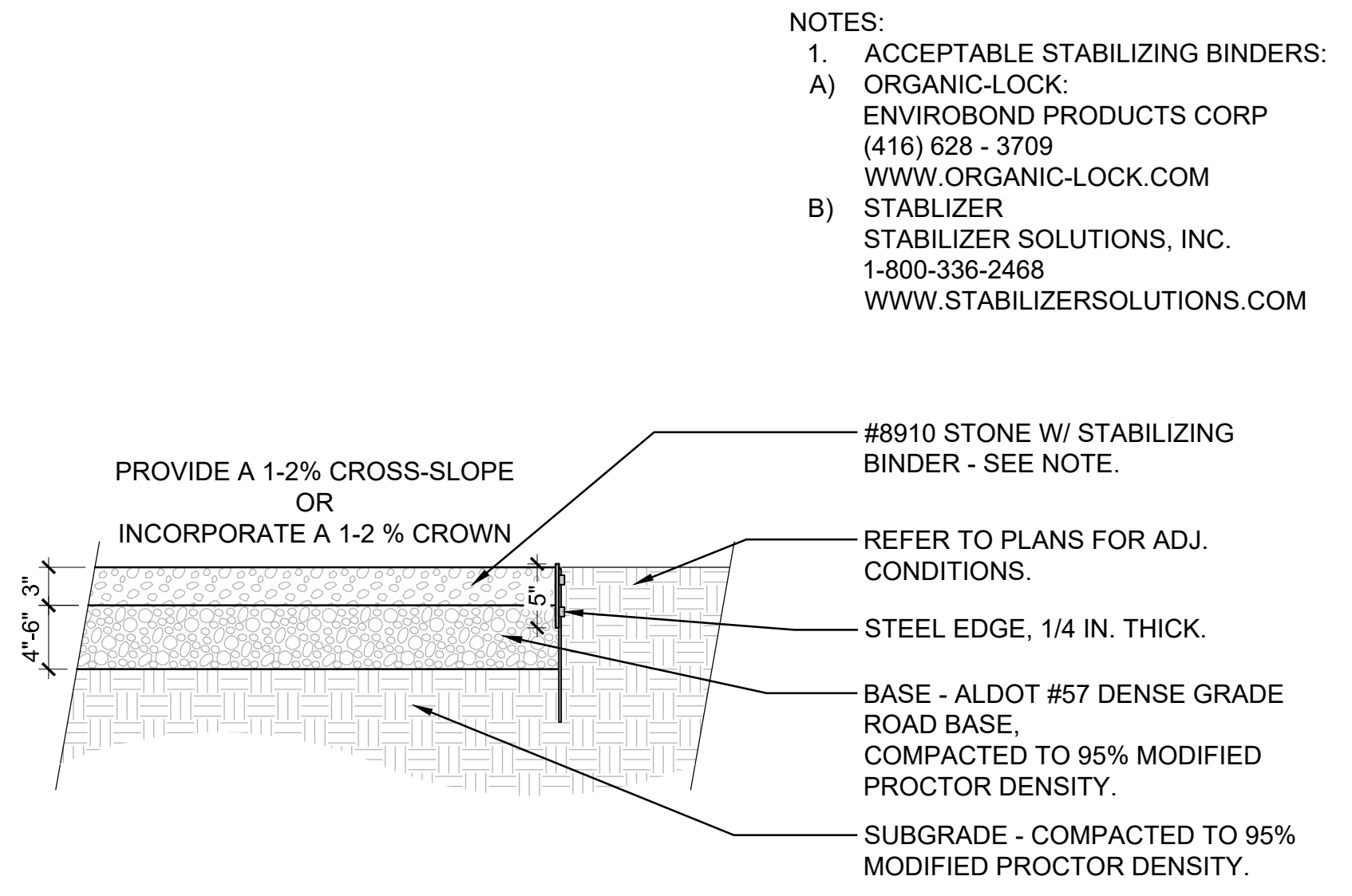
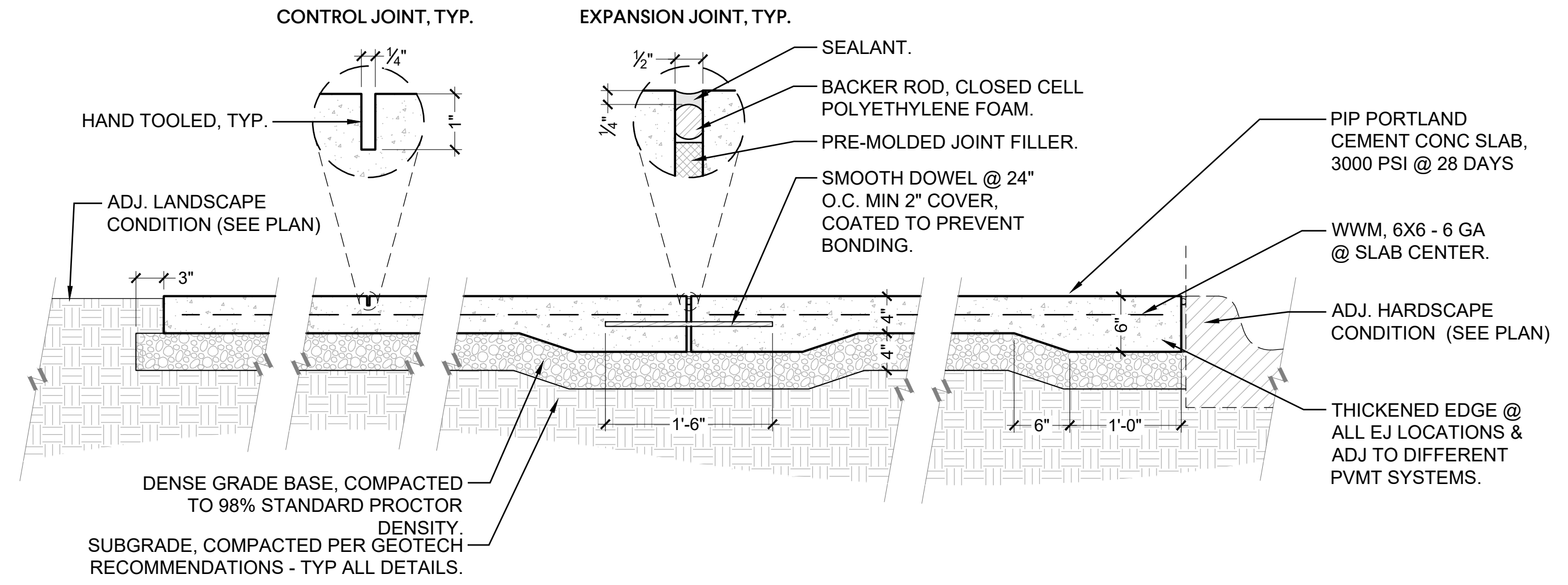
4 25' FLAGPOLE
NOT TO SCALE



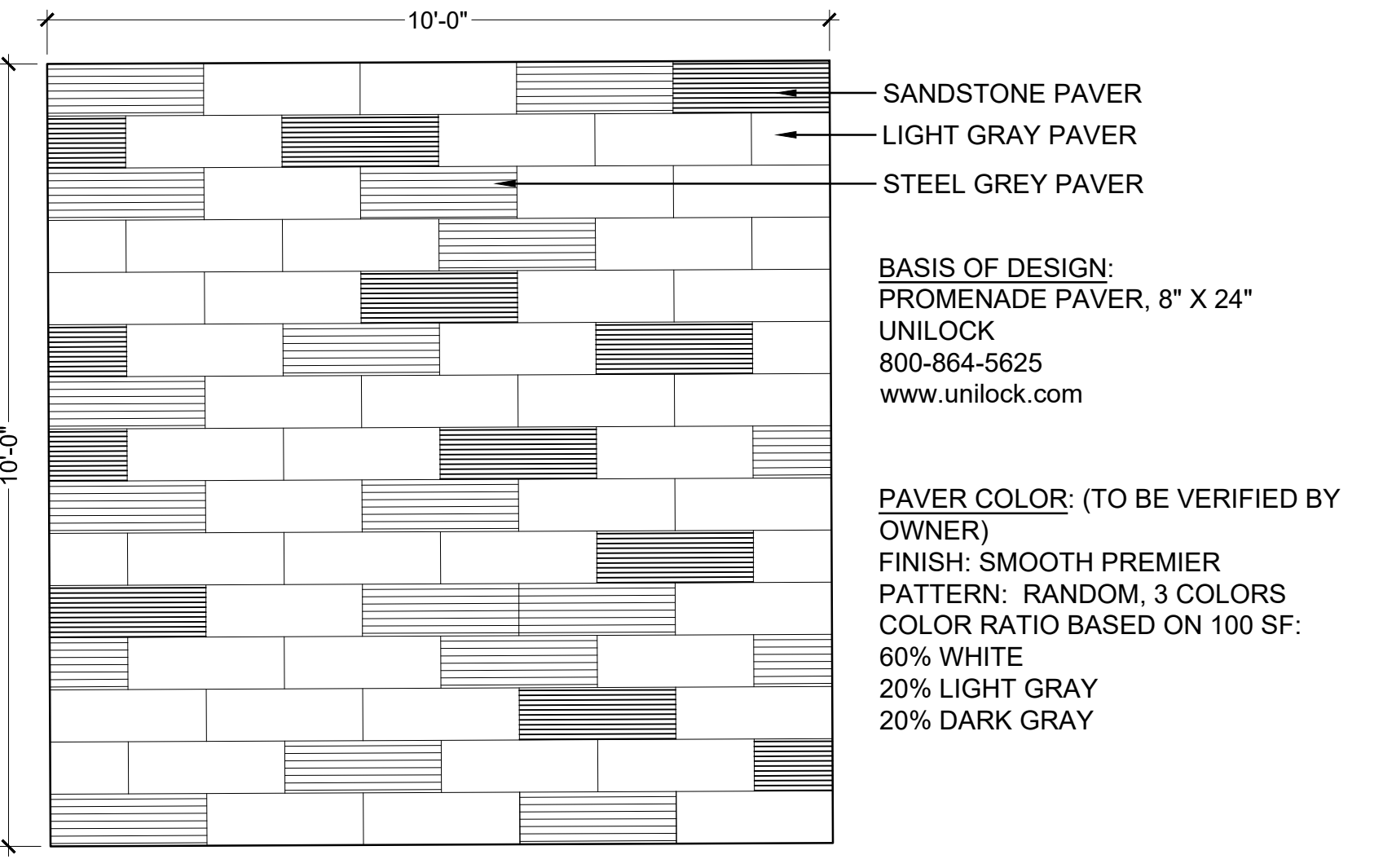
5 AMERISTAR MONTAGE PLUS FENCE
1/2" = 1'-0"

- DECORATIVE CONCRETE PAVING NOTES:**
- BROOM FINISH ALL CONCRETE PERPENDICULAR TO TRAFFIC FLOW UNLESS OTHERWISE NOTED.
 - SEAL ALL BROOM FINISHED CONCRETE W/ SILANE OR SILOXANE BASED SEALER.
 - SEAL ANY EXPOSED AGGREGATE SURFACES W/ LM SCOFIELD REPELLO AS BASIS OF DESIGN.
 - EXPANSION JOINTS (EJ) TO OCCUR ADJACENT TO ALL COLD POURS, VERTICAL SURFACES, AND AS SHOWN ON PLANS.
 - SPACE EJ MAX. 30 FT O.C. UNLESS SHOWN OTHERWISE ON PLANS.
 - CONTROL JOINTS (CJ) TO OCCUR IN ALL CONCRETE SLABS AND BANDS AS SHOWN ON PLANS. WHERE NOT SHOWN ON PLANS, SPACE JOINTS EQUAL TO SLAB WIDTH - 12 FT MAX.
 - ALTERNATE: ALL CONCRETE SHALL HAVE INTEGRAL COLOR - OCHRE.

6 CONCRETE PAVEMENT, 4 INCH - PEDESTRIAN
1" = 1'-0"



7 STABILIZED CRUSHED STONE
1" = 1'-0"



8 PROMENADE PLANK PAVER
1/2" = 1'-0"

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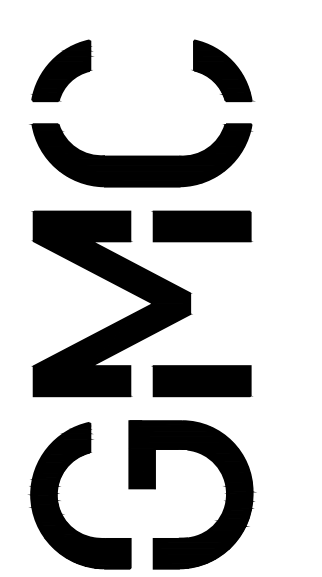
GMC Project #: LBHM240001

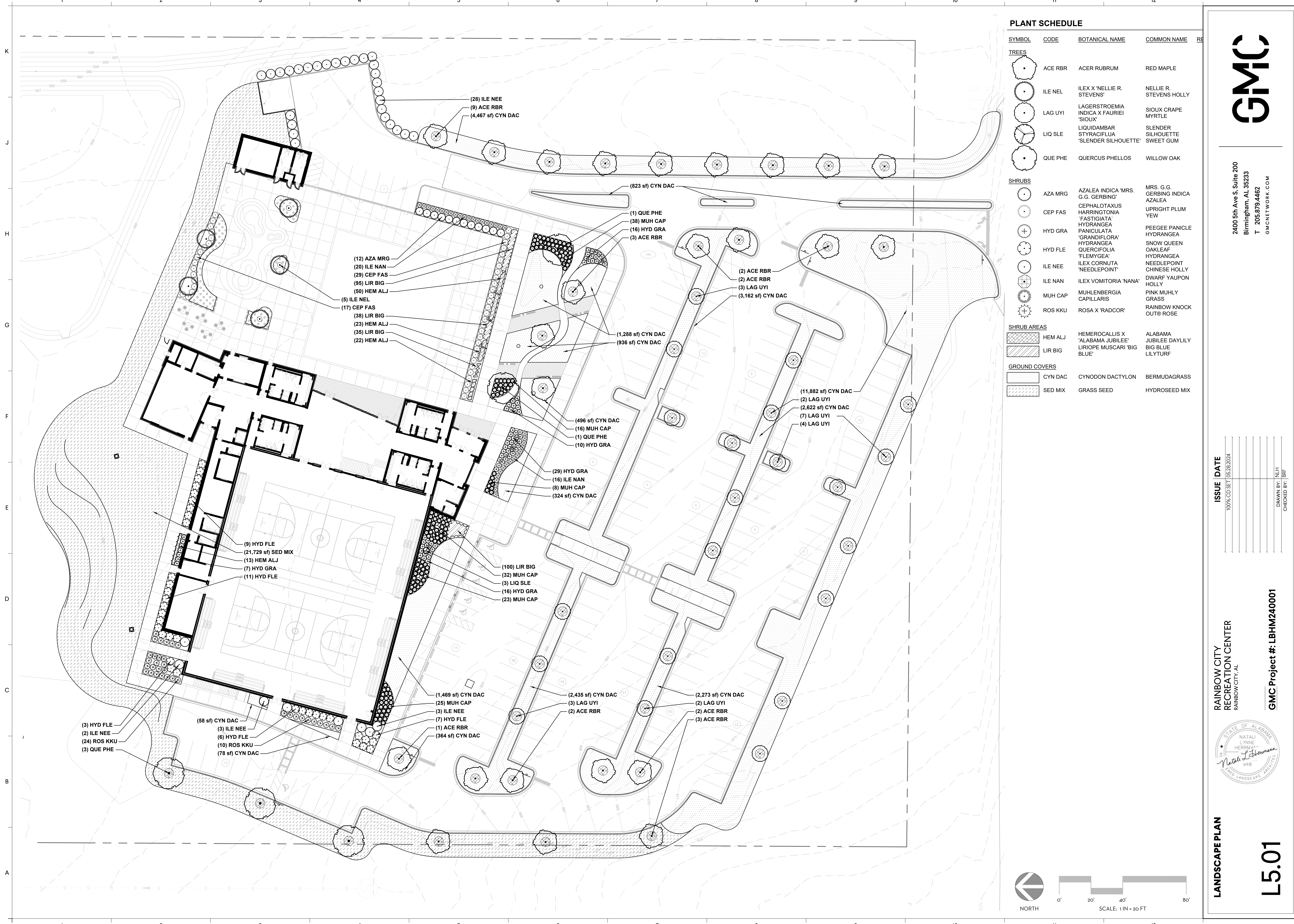


HARDSCAPE DETAILS

L4.01

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PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME
TREES			
	ACE RBR	ACER RUBRUM	RED MAPLE
	ILE NEL	ILEX X 'NELLIE R. STEVENS'	NELLIE R. STEVENS HOLLY
	LAG UYI	LAGERSTROEMIA INDICA X FAURIEI 'SIOUX'	SIOUX CRAPE MYRTLE
	LIQ SLE	LIQUIDAMBAR STYRACIFLUA 'SLENDER SILHOUETTE'	SLENDER SILHOUETTE SWEET GUM
	QUE PHE	QUERCUS PHELLOS	WILLOW OAK
SHRUBS			
	AZA MRG	AZALEA INDICA 'MRS. G. G. GERBING'	MRS. G. G. GERBING INDICA AZALEA
	CEP FAS	CEPHALOTAXUS HARRINGTONIA 'FASTIGIATA'	UPRIGHT PLUM YEW
	HYD GRA	HYDRANGEA PANICULATA 'GRANDIFLORA'	PEEGEE PANICLE HYDRANGEA
	HYD FLE	QUERCIFOLIA 'FLEMINGEA'	SNOW QUEEN OAKLEAF HYDRANGEA
	ILE NEE	ILEX CORNUTA 'NEEDLEPOINT'	NEEDLEPOINT CHINESE HOLLY
	ILE NAN	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY
	MUH CAP	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS
	ROS KKU	ROSA X 'RADCOR'	RAINBOW KNOCK OUT® ROSE
SHRUB AREAS			
	HEM ALJ	HEMEROCALLIS X 'ALABAMA JUBILEE'	ALABAMA JUBILEE DAYLILY
	LIR BIG	LIRIOPE MUSCARI 'BIG BLUE'	BIG BLUE LILYTURF
GROUND COVERS			
	CYN DAC	CYNODON DACTYLON	BERMUDAGRASS
	SED MIX	GRASS SEED	HYDROSEED MIX



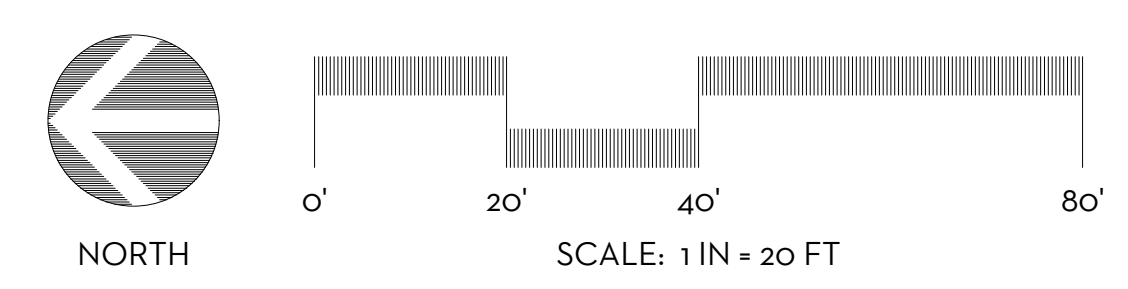
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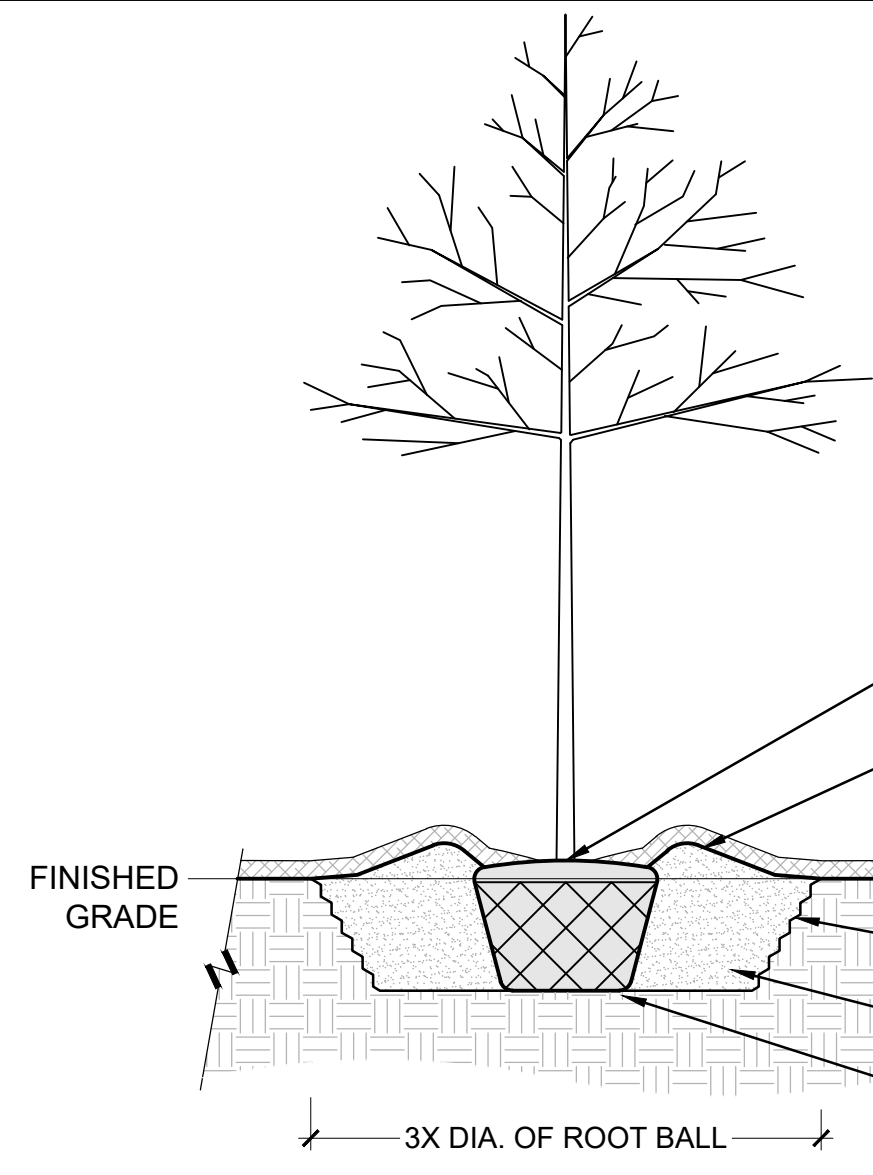
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 RAINBOW CITY, AL
 GMC Project #: LBHM240001



LANDSCAPE PLAN
L5.01

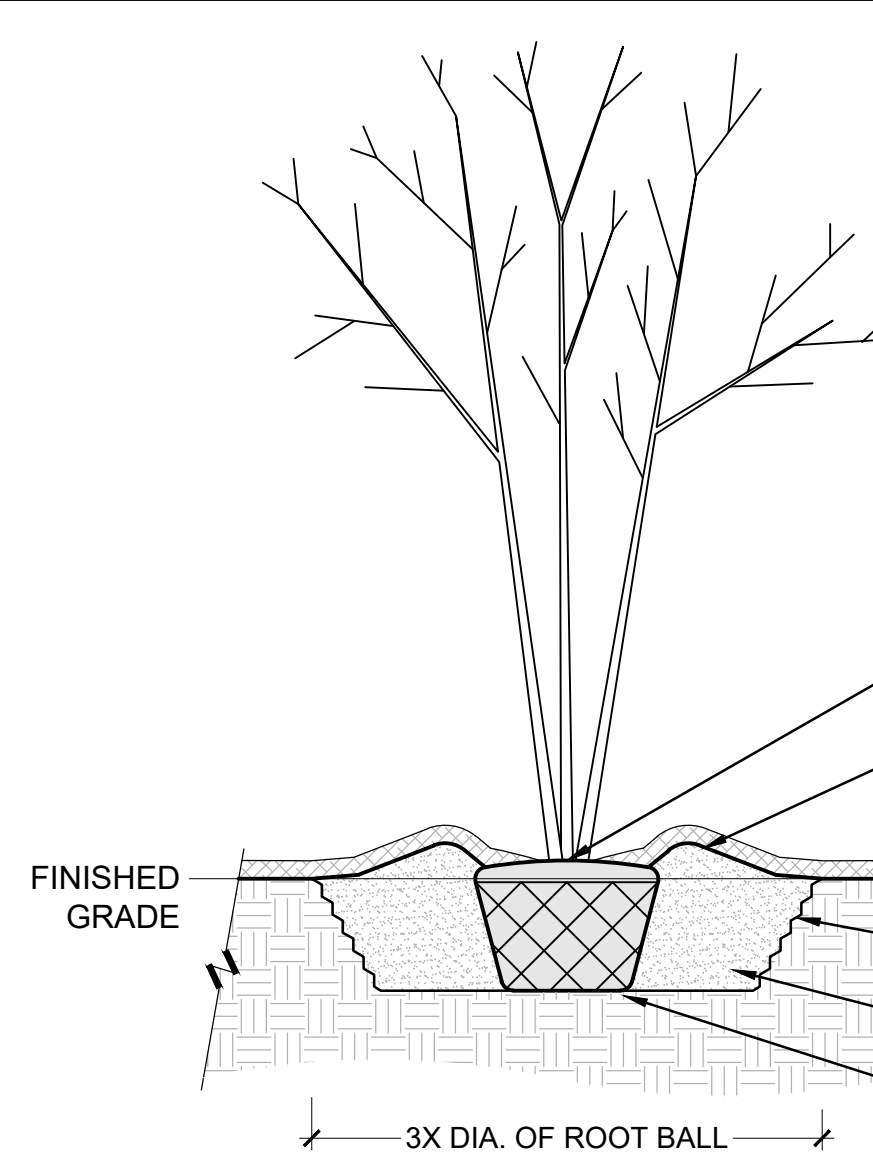




- NOTES:
1. REMOVE ALL NON-BIODEGRADABLE ROOT BALL PACKAGING.
 2. REMOVE BURLAP AND STRAPS FROM TOP 1/3 OF ROOT BALL. REMOVE OR BEND TOP 1/3 OF WIRE BASKET DOWN INTO SOIL.
 3. TREES POSITIONED IN LAWNS TO HAVE MULCH RING, 8 FT DIA.

- ROOT FLARE TO BE 2-3 IN ABOVE FINISHED GRADE.
- SOIL BERM BEGINNING @ EDGE OF ROOTBALL, 4 IN HIGH FOR FULL CIRCUMFERENCE.
- MULCH, REFER TO NOTES FOR TYPE/DEPTH. DO NOT PLACE AGAINST BASE OF TREE.
- SLOPED & SCARIFIED SIDES OF PLANT PIT.
- PLANTING SOIL MIX.
- ROOT BALL RESTING ON EXISTING OR RECOMPACTED SUBGRADE.

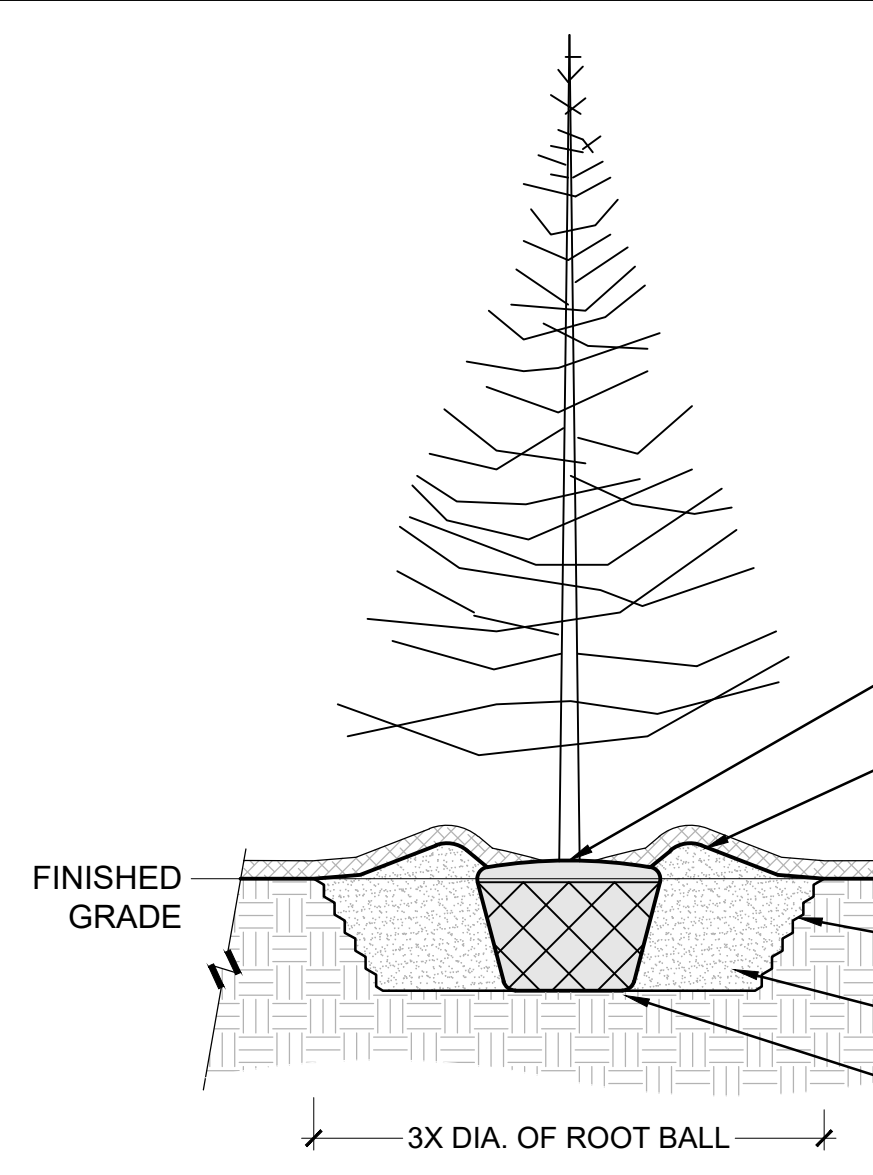
1 TREE PLANTING
3/8" = 1'-0"



- NOTES:
1. REMOVE ALL NON-BIODEGRADABLE ROOT BALL PACKAGING.
 2. REMOVE BURLAP AND STRAPS FROM TOP 1/3 OF ROOT BALL. REMOVE OR BEND TOP 1/3 OF WIRE BASKET DOWN INTO SOIL.
 3. TREES POSITIONED IN LAWNS TO HAVE MULCH RING, 8 FT DIA.

- ROOT FLARE TO BE 2-3 IN ABOVE FINISHED GRADE.
- SOIL BERM BEGINNING @ EDGE OF ROOTBALL, 4 IN HIGH FOR FULL CIRCUMFERENCE.
- MULCH, REFER TO NOTES FOR TYPE/DEPTH. DO NOT PLACE AGAINST BASE OF TREE.
- SLOPED & SCARIFIED SIDES OF PLANT PIT.
- PLANTING SOIL MIX.
- ROOT BALL RESTING ON EXISTING OR RECOMPACTED SUBGRADE.

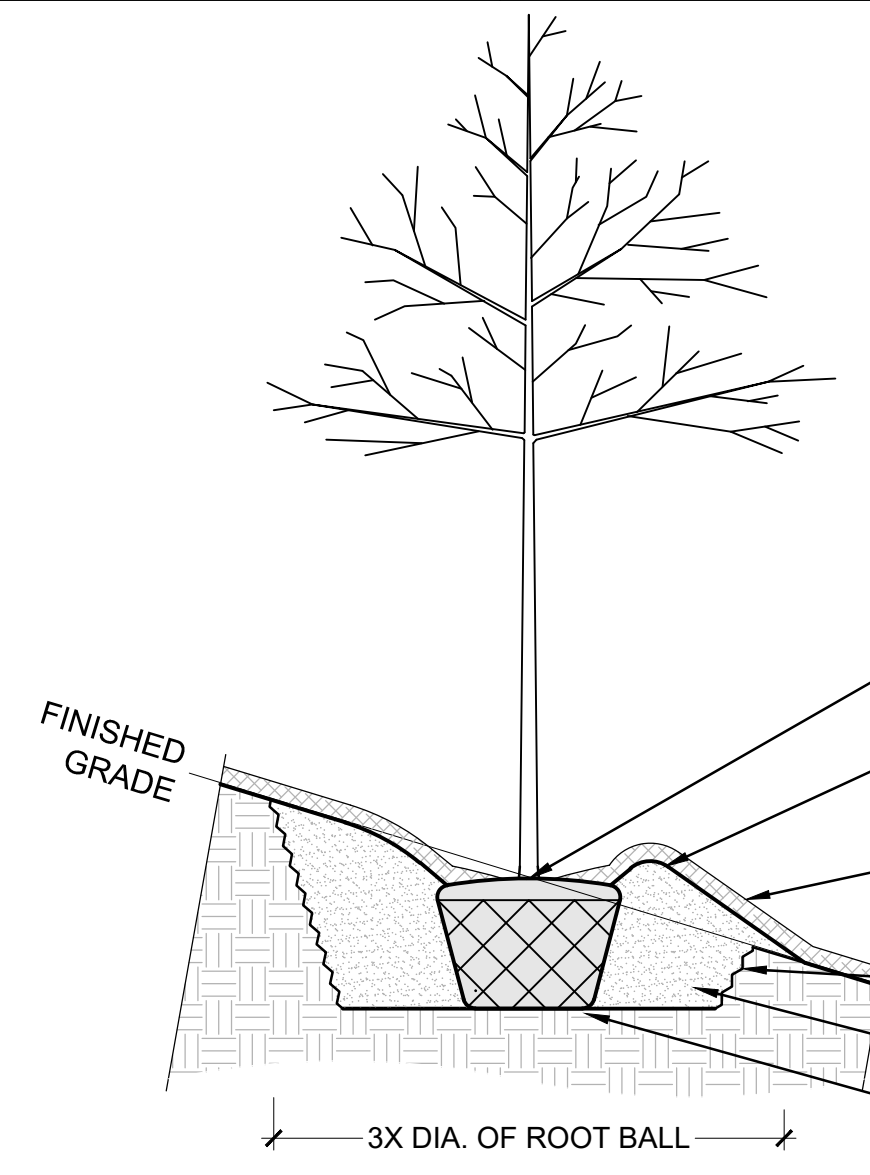
2 TREE PLANTING, MULTI-TRUNK
3/8" = 1'-0"



- NOTES:
1. REMOVE ALL NON-BIODEGRADABLE ROOT BALL PACKAGING.
 2. REMOVE BURLAP AND STRAPS FROM TOP 1/3 OF ROOT BALL. REMOVE OR BEND TOP 1/3 OF WIRE BASKET DOWN INTO SOIL.
 3. TREES POSITIONED IN LAWNS TO HAVE MULCH RING, 8 FT DIA.

- ROOT FLARE TO BE 2-3 IN ABOVE FINISHED GRADE.
- SOIL BERM BEGINNING @ EDGE OF ROOTBALL, 4 IN HIGH FOR FULL CIRCUMFERENCE.
- MULCH, REFER TO NOTES FOR TYPE/DEPTH. DO NOT PLACE AGAINST BASE OF TREE.
- SLOPED & SCARIFIED SIDES OF PLANT PIT.
- PLANTING SOIL MIX.
- ROOT BALL RESTING ON EXISTING OR RECOMPACTED SUBGRADE.

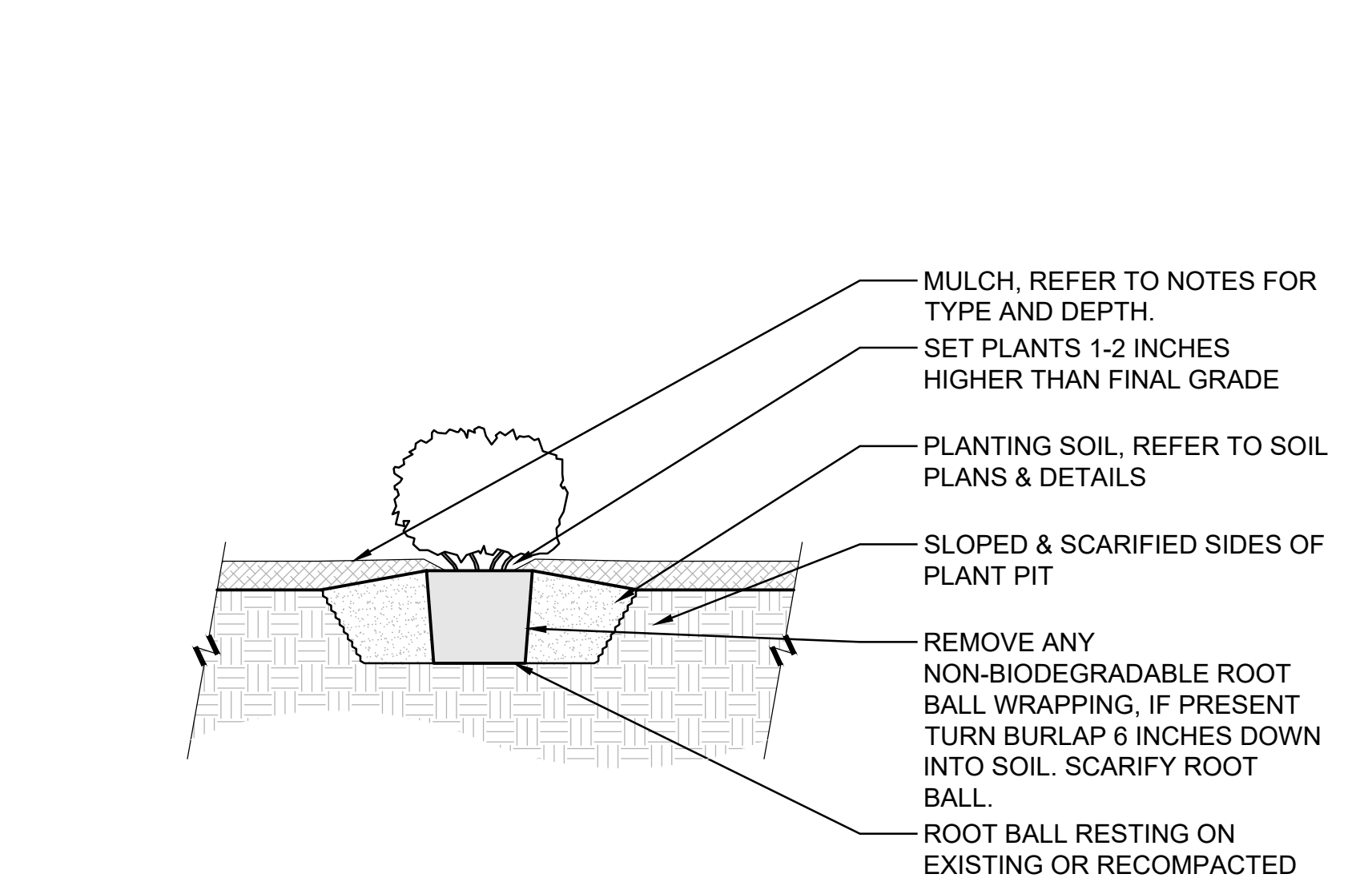
3 TREE PLANTING, EVERGREEN
3/8" = 1'-0"



- NOTES:
1. REMOVE ALL NON-BIODEGRADABLE ROOT BALL PACKAGING.
 2. REMOVE BURLAP AND STRAPS FROM TOP 1/3 OF ROOT BALL. REMOVE OR BEND TOP 1/3 OF WIRE BASKET DOWN INTO SOIL.
 3. TREES POSITIONED IN LAWNS TO HAVE MULCH RING, 8 FT DIA.

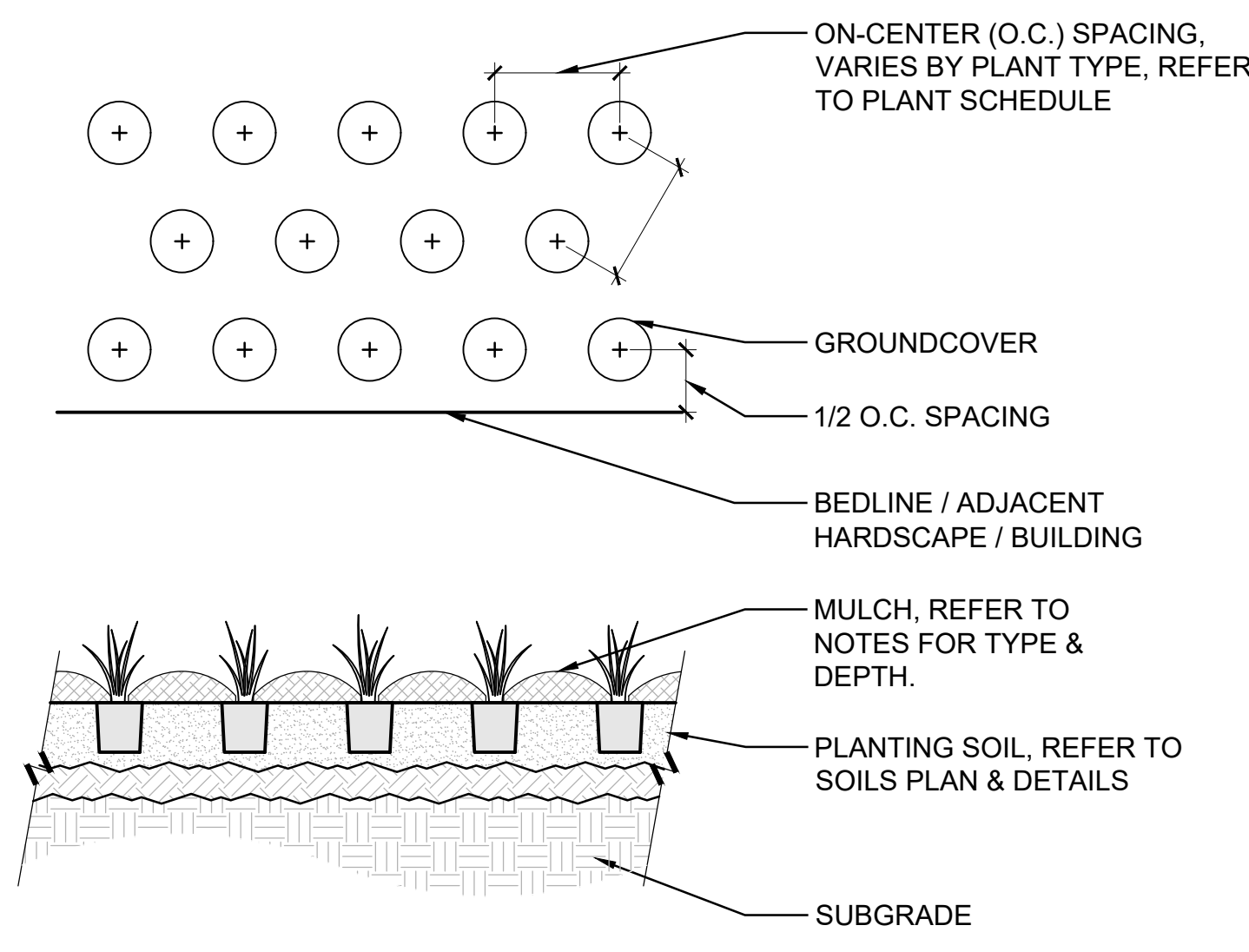
- ROOT FLARE TO BE AT OR SLIGHTLY ABOVE ADJ FINISHED GRADE.
- SOIL BERM BEGINNING @ EDGE OF ROOTBALL, 4 IN HIGH FOR FULL CIRCUMFERENCE.
- MULCH, REFER TO NOTES FOR TYPE/DEPTH. DO NOT PLACE AGAINST BASE OF TREE.
- SLOPED & SCARIFIED SIDES OF PLANT PIT.
- PLANTING SOIL MIX.
- ROOT BALL RESTING ON EXISTING OR RECOMPACTED SUBGRADE.

4 TREE PLANTING ON SLOPE
3/8" = 1'-0"



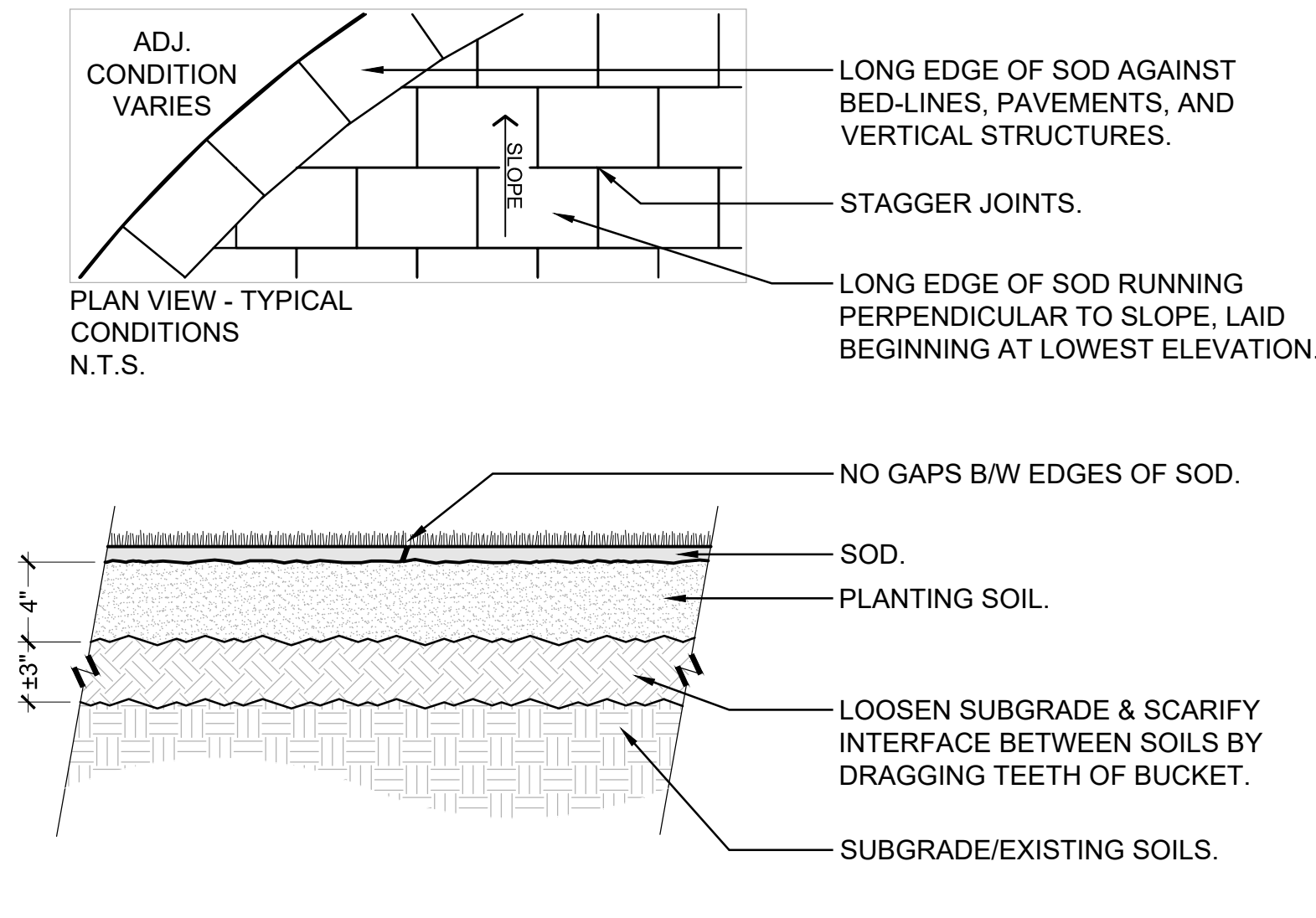
- MULCH, REFER TO NOTES FOR TYPE AND DEPTH.
- SET PLANTS 1-2 INCHES HIGHER THAN FINAL GRADE.
- PLANTING SOIL, REFER TO SOIL PLANS & DETAILS.
- SLOPED & SCARIFIED SIDES OF PLANT PIT.
- REMOVE ANY NON-BIODEGRADABLE ROOT BALL WRAPPING, IF PRESENT TURN BURLAP 6 INCHES DOWN INTO SOIL. SCARIFY ROOT BALL.
- ROOT BALL RESTING ON EXISTING OR RECOMPACTED SUBGRADE.

5 SHRUB PLANTING
3/4" = 1'-0"



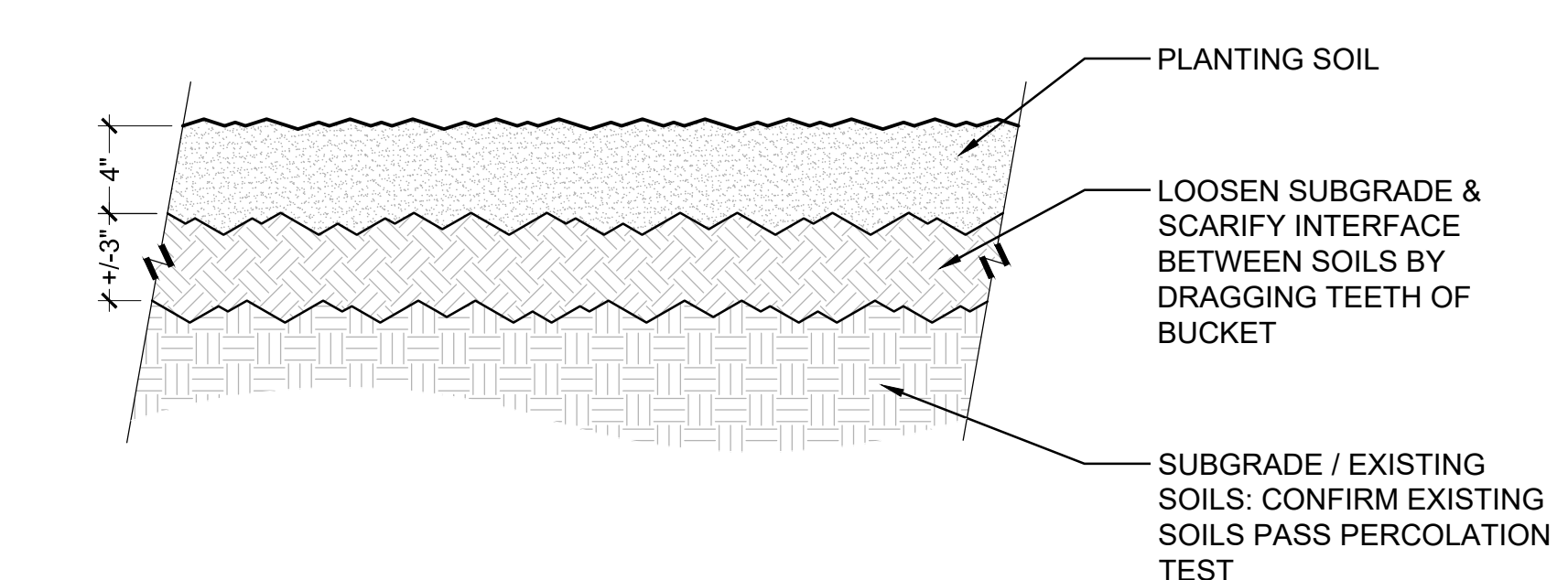
- ON-CENTER (O.C.) SPACING, VARIES BY PLANT TYPE, REFER TO PLANT SCHEDULE.
- GROUND COVER.
- 1/2 O.C. SPACING.
- BEDLINE / ADJACENT HARDSCAPE / BUILDING.
- MULCH, REFER TO NOTES FOR TYPE & DEPTH.
- PLANTING SOIL, REFER TO SOILS PLAN & DETAILS.
- SUBGRADE.

6 GROUND COVER & PERENNIAL PLANTING
3/4" = 1'-0"



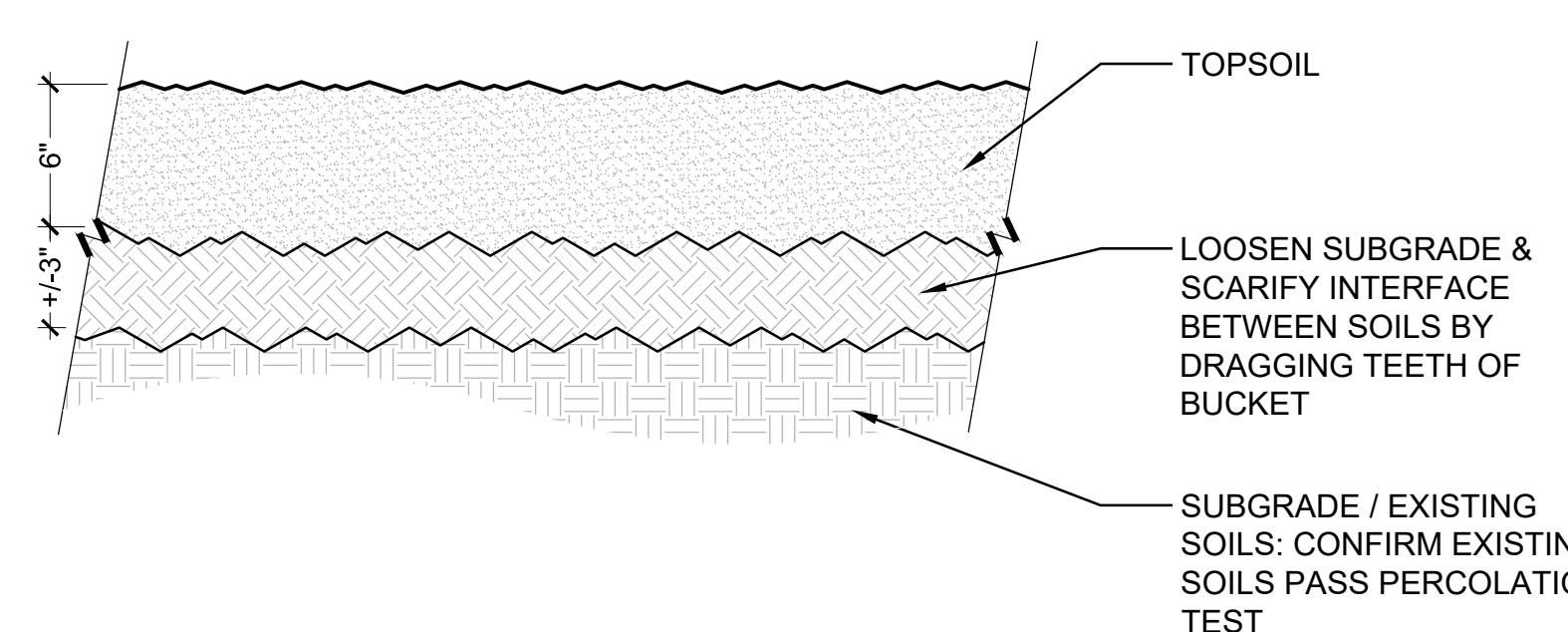
- LONG EDGE OF SOD AGAINST BED-LINES, PAVEMENTS, AND VERTICAL STRUCTURES.
- STAGGER JOINTS.
- LONG EDGE OF SOD RUNNING PERPENDICULAR TO SLOPE, LAID BEGINNING AT LOWEST ELEVATION.
- NO GAPS B/W EDGES OF SOD.
- SOD.
- PLANTING SOIL.
- LOOSEN SUBGRADE & SCARIFY INTERFACE BETWEEN SOILS BY DRAGGING TEETH OF BUCKET.
- SUBGRADE/EXISTING SOILS.

7 SOD INSTALLATION
1/2" = 1'-0"



- PLANTING SOIL.
- LOOSEN SUBGRADE & SCARIFY INTERFACE BETWEEN SOILS BY DRAGGING TEETH OF BUCKET.
- SUBGRADE / EXISTING SOILS. CONFIRM EXISTING SOILS PASS PERCOLATION TEST.

9 SOD SOIL PREPARATION
1 1/2" = 1'-0"



- TOPSOIL.
- LOOSEN SUBGRADE & SCARIFY INTERFACE BETWEEN SOILS BY DRAGGING TEETH OF BUCKET.
- SUBGRADE / EXISTING SOILS. CONFIRM EXISTING SOILS PASS PERCOLATION TEST.

10 PLANT BED SOIL PREPARATION
1 1/2" = 1'-0"

PLANT SCHEDULE

CODE	QTY	BOTANICAL NAME	COMMON NAME	CAL. / HT.	FORM	REMARKS
TREES						
ACE RBR	24	ACER RUBRUM	RED MAPLE	2.0" CAL.		
ILE NEL	5	ILEX X 'NELLIE R. STEVENS'	NELLIE R. STEVENS HOLLY	2.0" CAL.		
LAG UYI	21	LAGERSTROEMIA INDICA X FAURIEI 'SIOUX'	SIOUX CRAPE MYRTLE	2.0" CAL.	SINGLE TRUNK	
LIQ SLE	3	LIQUIDAMBAR STYRACIFLUA 'SLENDER SILHOUETTE'	SLENDER SILHOUETTE SWEET GUM	2.0" CAL.		
QUE PHE	5	QUERCUS PHELLOS	WILLOW OAK	2.0" CAL.		
SHRUBS						
AZA MRG	12	AZALEA INDICA 'MRS. G.G. GERBING'	MRS. G.G. GERBING INDICA AZALEA	3 GAL	60" o.c.	
CEP FAS	46	CEPHALOTAXUS HARRINGTONIA 'FASTIGIATA'	UPRIGHT PLUM YEW	3 GAL	48" o.c.	
HYD GRA	78	HYDRANGEA PANICULATA 'GRANDIFLORA'	PEEGEE PANICLE HYDRANGEA	3 GAL	36" o.c.	
HYD FLE	36	HYDRANGEA QUERCIFOLIA 'FLEMINGEA'	SNOW QUEEN OAKLEAF HYDRANGEA	5 GAL	60" o.c.	
ILE NEE	36	ILEX CORNUTA 'NEEDLEPOINT'	NEEDLEPOINT CHINESE HOLLY	7 GAL	72" o.c.	
ILE NAN	36	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY	3 GAL	36" o.c.	
MUH CAP	142	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	3 GAL	36" o.c.	
ROS KKU	34	ROSA X 'RADCOR'	RAINBOW KNOCK OUT® ROSE	3 GAL	48" o.c.	
SHRUB AREAS						
HEM ALJ	108	HEMEROCALLIS X 'ALABAMA JUBILEE'	ALABAMA JUBILEE DAYLILY	1 GAL	18" o.c.	
LIR BIG	268	LIRIOPE MUSCARI 'BIG BLUE'	BIG BLUE LILYTURF	1 GAL	12" o.c.	
GROUND COVERS						
CYN DAC	32,678 SF	CYNODON DACTYLON	BERMUDAGRASS		SOD	
SED MIX	21,729 SF	GRASS SEED	HYDROSEED MIX		HYDROSEED	

GENERAL LANDSCAPE NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CONTRACT DOCUMENTS & RELATED EXISTING CONDITIONS, UTILITIES, STRUCTURES, ETC. PRIOR TO BIDDING AND CONSTRUCTION.
2. CONTRACTOR'S BASE BID TO INCLUDE ALL MATERIALS, LABOR, PERMITS, EQUIPMENT, TOOLS, INSURANCE, ETC. TO PERFORM THE WORK AS DESCRIBED IN THE CONTRACT DOCUMENTS.
3. PERFORM ALL WORK IN COMPLIANCE WITH ALL APPLICABLE LAWS, CODES, & REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK & PROVIDE PERMITS REQUIRED BY LOCAL AUTHORITIES.
4. CONTRACTOR TO COMPLETE ALL WORK WITHIN SCHEDULE ESTABLISHED BY OWNER.
5. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL WORK DISTURBED BY CONSTRUCTION TO A CONDITION BETTER THAN OR EQUAL TO THE CONDITIONS THAT EXISTED PRIOR TO THE BEGINNING OF CONSTRUCTION AT NO ADDITIONAL COST TO OWNER.
6. SEE CIVIL DRAWINGS FOR INFORMATION REGARDING EROSION/SEDIMENT CONTROL, LOCATION OF EXISTING & PROPOSED STRUCTURES, PAVING, DRIVEWAYS, CUT & FILL AREAS, LIMITS OF CONSTRUCTION, EXISTING & PROPOSED UTILITIES OR EASEMENTS.

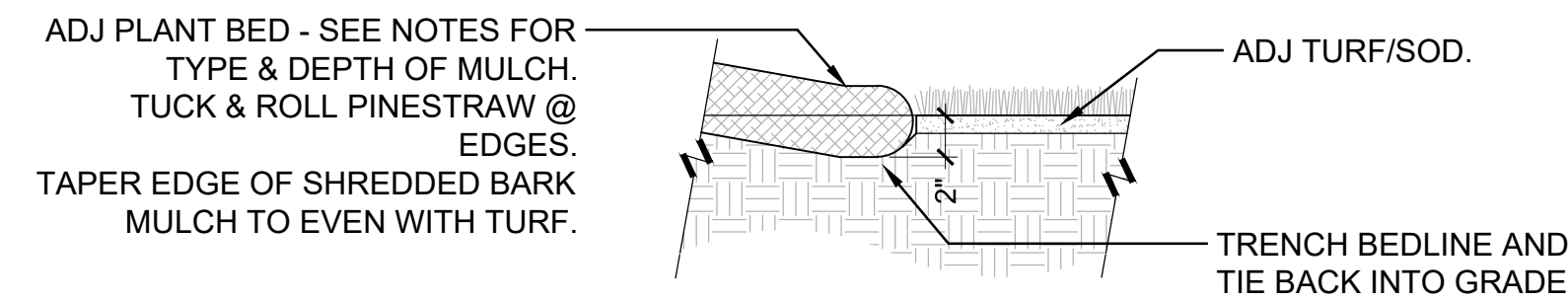
PLANTING SOIL & PREPARATION NOTES

1. PLANTING SOIL SHALL BE PROVIDED MIXED AND READY FOR INSTALLATION. ON-SITE MIXING OF PLANTING SOIL IS NOT ACCEPTABLE.
2. CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE FOR LOCATION OF STOCKPILE AREAS FOR STRIPPED TOPSOIL AND PLANTING SOIL PRODUCTS. CONTRACTOR SHALL ENSURE AREA IS PROTECTED AND CONTAMINATION OR DISTURBANCE OF STORED PRODUCT IS NOT ALLOWED.
3. FINAL GRADES DEPICTED ON THE GRADING PLAN (REFER TO CIVIL DRAWINGS) ARE TO ACCOUNT FOR PLANTING SOIL DEPTHS INDICATED IN THE PLANTING SOIL & PREPARATION DRAWINGS.
4. CONTRACTOR SHALL ENSURE SUBGRADE IS SCARIFIED PRIOR TO INSTALLING PLANTING SOIL.
5. ALL TRASH, DEBRIS LARGER THAN 2 INCHES IN ANY DIRECTION, ROCK, COBBLE, EXCAVATION SPOILS, & GRAVEL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF-SITE PRIOR TO THE INSTALLATION OF TOPSOIL/PLANTING SOIL.
6. COORDINATE PLACEMENT OF PLANTING SOIL WITH OTHER WORK, ESPECIALLY UTILITIES. PLACEMENT SHOULD OCCUR AFTER INSTALLATION OF HARDSCAPE IMPROVEMENTS, IRRIGATION SYSTEMS, UTILITIES, ETC. AND BEFORE PLANT INSTALLATION.

PLANT INSTALLATION NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL RELATED EXISTING CONDITIONS, UTILITIES, STRUCTURES, ETC. PRIOR TO BIDDING AND CONSTRUCTION.
2. REMOVE FROM SITE ANY & ALL EXISTING VEGETATION INCLUDING STUMPS & ROOTS IN CONFLICT WITH PLANTING PLAN UNLESS EXPLICITLY DESIGNATED FOR PROTECTION.
3. SEE SPECIFICATIONS & DETAILS FOR PLANTING METHODS, REQUIREMENTS, SOIL TESTING, MATERIALS, EXECUTION, AND PLANT PROTECTION.
4. PLANT NAMES MAY BE ABBREVIATED ON DRAWINGS. REFER TO PLANT SCHEDULE FOR ABBREVIATIONS, BOTANICAL & COMMON NAMES, SIZES, ESTIMATED QUANTITIES AND OTHER REMARKS.
5. CONTRACTOR SHALL VERIFY THE TOTAL QUANTITIES INDICATED IN THE PLANT LIST WITH THE QUANTITIES SHOWN ON THE PLAN. CONTRACTOR SHALL PROVIDE QUANTITIES REQUIRED TO COMPLETE PROPOSED PLANTING AS INDICATED ON THE PLAN.
6. ALL PLANTING BEDS AND TREES SHALL BE MULCHED WITH 3-4 IN. OF SETTLED PINE STRAW THAT IS FREE FROM DEBRIS, LEAVES, TWIGS, INSECTS, GRASSES, WEEDS, PLANTS AND THEIR SEEDS, AND ANY SUBSTANCE HARMFUL TO PLANT GROWTH. PINE STRAW MULCH SHALL BE TUCKED & ROLLED AT ALL EDGES.
 - A. TREES PLACED IN SODDED/TURF/GRASS AREAS SHALL BE MULCHED WITH AN 8 FT. DIAMETER MULCH RING UNLESS OTHERWISE NOTED ON PLANS.
7. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL WORK DISTURBED BY CONSTRUCTION TO A CONDITION BETTER THAN OR EQUAL TO THE CONDITIONS THAT EXISTED PRIOR TO THE BEGINNING OF CONSTRUCTION AT NO ADDITIONAL COST TO OWNER.

8 BEDLINE, TYPICAL
1 1/2" = 1'-0"



IRRIGATION NOTES

1. IRRIGATION DRAWINGS ARE DIAGRAMMATIC IN GENERAL & SUBJECT TO THE REQUIREMENTS OF THE PLANTING PLAN. THE IRRIGATION DRAWINGS INDICATE THE GENERAL LOCATION OF THE COMPONENT PARTS OF THE SYSTEM, BUT ARE NOT INTENDED TO SHOW ALL FITTINGS OR ALL DETAILS OF THE IRRIGATION WORK.
2. ALL IRRIGATION WORK WILL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE CODES & STANDARDS INCLUDING CITY CODES, ORDINANCES, & REGULATIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, FEES, & APPROVALS FROM GOVERNING AUTHORITIES.
4. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH SITE CONTRACTOR THE INSTALLATION OF THE IRRIGATION WATER METER & BACKFLOW PREVENTER & CONNECTION TO NEW IRRIGATION SYSTEM.
5. TEST WATER PRESSURE DOWNSTREAM OF THE IRRIGATION WATER METER OR PUMP STATION DISCHARGE TO CONFIRM AVAILABILITY OF PROPER OPERATING PRESSURE. NOTIFY LANDSCAPE ARCHITECT IF AVAILABLE PRESSURE IS INSUFFICIENT OR EXCESSIVE.
6. PIPING FOR MAIN LINES SHALL BE PVC SCHEDULE 40 & ALL LATERAL LINES SHALL BE PVC CLASS 200. FITTINGS WILL BE PVC FOR CORRESPONDING SERVICE. PIPE DEPTH WILL BE A MINIMUM OF 12 IN. TO 18 IN. FOR ALL MAIN & LATERAL LINES. PIPE DEPTH MAY VARY DEPENDING ON LOCAL FROST DEPTH AND/OR REQUIREMENTS OF LOCAL GOVERNING AUTHORITIES AT SITE'S LOCATION.
7. ACCEPTABLE MANUFACTURER FOR IRRIGATION PRODUCTS IS SPECIFIED IN THE IRRIGATION SCHEDULE UNLESS OTHERWISE INDICATED. ALTERNATE IRRIGATION MANUFACTURER'S EQUIPMENT MAY BE SUBSTITUTED WITH APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO BID. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING HEAD LAYOUT & LOCATIONS, VALVE LOCATIONS, PERFORMANCE DATA, ETC. SHOULD ALTERNATE MANUFACTURER BE USED.
8. INSTALL ALL IRRIGATION COMPONENTS AS PER MANUFACTURER'S RECOMMENDATIONS OR INSTRUCTIONS.
9. REMOTE CONTROL VALVES & OTHER UNDERGROUND DEVICES WILL BE INSTALLED IN PLASTIC BOXES WITH PLASTIC COVERS OF THE SIZE REQUIRED TO ENSURE ADJUSTMENT OF THE DEVICE. GROUP DEVICES IN SINGLE BOXES WHERE POSSIBLE.
10. IRRIGATION HEADS TO BE LOCATED A MINIMUM OF 4 IN. OFF SIDEWALKS/CURBS & 6 IN. FROM BUILDINGS OR WALLS.
11. ADJUST IRRIGATION AS NECESSARY TO AVOID EXISTING UTILITIES, LIGHT POLES, BUILDINGS, AND/OR OTHER UNFORSEEN OBSTRUCTIONS.
12. IRRIGATION CONTROLLER LOCATION SHOWN ON DRAWINGS IS APPROXIMATE & ONLY A PLACEHOLDER. LANDSCAPE CONTRACTOR TO VERIFY EXACT LOCATION OF IRRIGATION CONTROLLER WITH OWNER PRIOR TO CONSTRUCTION. CONTRACTOR TO PROVIDE CONTROLLER WITH APPROPRIATE ENCLOSURE FOR SPECIFIC LOCATION WHETHER INTERIOR, EXTERIOR, WALL MOUNT, OR PEDESTAL ENCLOSURE APPLICATION.
13. CONTRACTOR SHALL INSTALL GROUNDING, SURGE, & LIGHTNING PROTECTION AS PER IRRIGATION MANUFACTURER'S RECOMMENDATIONS.
14. VALVES, CONTROLLERS, & ALL IRRIGATION EQUIPMENT TO HAVE PROPER GROUNDING PROTECTION AS PER IRRIGATION MANUFACTURER'S RECOMMENDATIONS.
15. CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS OF THE SYSTEM AT THE COMPLETION OF THE PROJECT.

WARRANTY & SUBSTANTIAL/FINAL COMPLETION NOTES

1. CONTRACTOR TO PROVIDE ONE YEAR WARRANTY FOR ALL MATERIAL & WORKMANSHIP BEYOND DATE OF SUBSTANTIAL COMPLETION. WARRANTY DOES NOT INCLUDE LOSS RESULTING FROM ACTS OF NATURE, VANDALISM, OR OWNER NEGLIGENCE AS DETERMINED BY THE LANDSCAPE ARCHITECT.
2. CONTRACTOR TO SUBMIT WRITTEN REQUEST MIN 7 DAYS PRIOR TO ANTICIPATED REVIEW DATE FOR SUBSTANTIAL COMPLETION.
 - A. THE LANDSCAPE ARCHITECT SHALL DEVELOP A PUNCH-LIST OF ITEMS TO BE COMPLETED PRIOR TO THE GRANTING OF SUBSTANTIAL COMPLETION. AFTER COMPLETING THE PUNCH-LIST, THE CONTRACTOR SHALL REQUEST ANOTHER REVIEW BY THE LANDSCAPE ARCHITECT.
 - A. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE LANDSCAPE ARCHITECT AT THE END OF THE WARRANTY PERIOD TO SCHEDULE FINAL INSPECTION. SHOULD THE CONTRACTOR FAIL TO CONTACT THE LANDSCAPE ARCHITECT, THE WARRANTY PERIOD IS AUTOMATICALLY EXTENDED UNTIL HE/SHE DOES SO.
3. FINAL COMPLETION SHALL BE GIVEN AT END OF WARRANTY PERIOD IF ALL ITEMS ARE COMPLETED TO THE OWNERS SATISFACTION.
 - A. CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE LANDSCAPE ARCHITECT AT THE END OF THE WARRANTY PERIOD TO SCHEDULE FINAL INSPECTION. SHOULD THE CONTRACTOR FAIL TO CONTACT THE LANDSCAPE ARCHITECT, THE WARRANTY PERIOD IS AUTOMATICALLY EXTENDED UNTIL HE/SHE DOES SO.

PRE-APPROVED NURSERIES & TREE TAGGING

THE CONTRACTOR IS TO SOURCE THE TREES SPECIFIED ON THESE DRAWINGS AT THE FOLLOWING NURSERIES OR PRE-APPROVED EQUAL NURSERIES. NURSERIES OF EQUAL QUALITY TREES MUST BE APPROVED PRIOR TO BIDDING. THE CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE ARCHITECT TO SCHEDULE TREE TAGGING.

ALABAMA

HUNTER TREES, LLC 700 INDIAN VALLEY ROAD ALPINE, AL 35014 (866) 348-4837	GREEN VALLEY TREE FARM 12975 COUNTY ROAD 17 MONTVALLO, AL 35115 (205) 665-1355	PLANTATION TREE COMPANY 120 COUNTY ROAD 15 SOUTH SELMA, AL 36703 1 (800) 948-5064
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GEORGIA

SELECT TREES 1900 COLE SPRINGS RD. BISHOP, GA 30621 (706) 743-5124	BOLD SPRINGS NURSERY 1366 COLUMBUS HWY HAWKINSVILLE, GA 31036 (478) 783-4975	SOUTHEASTERN GROWERS, INC. 2240 MACON HIGHWAY WATKINSVILLE, GA 30677 (706) 310-1110	MOON'S TREE FARM, INC. 175 HAPPY HOLLOW ROAD WASHINGTON, GA 30673 (770) 554-8849
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PERENNIALS AND PLUGS

NORTHCREEK NURSERIES 388 NORTH CREEK ROAD LANDENBERG, PA 19350 T: (610) 255-0100 F: (610) 255-4762	HOFFMAN NURSERY 5520 BAHAMA ROAD ROUJEMONT, NC T: (919) 471-3100
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ISSUE	DATE
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RAINBOW CITY RECREATION CENTER
RAINBOW CITY, AL

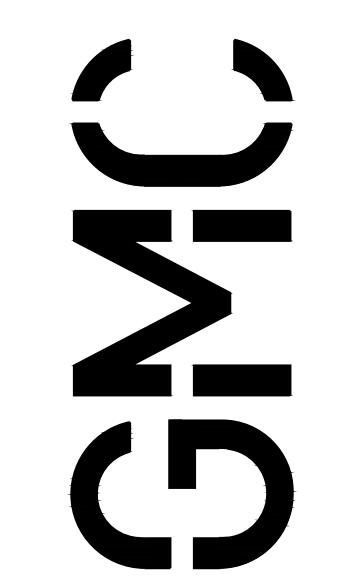


LANDSCAPE DETAILS

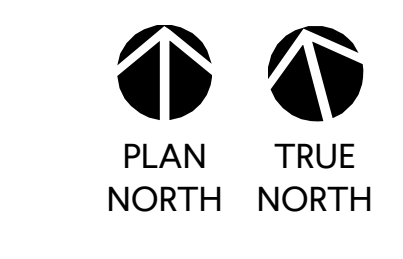
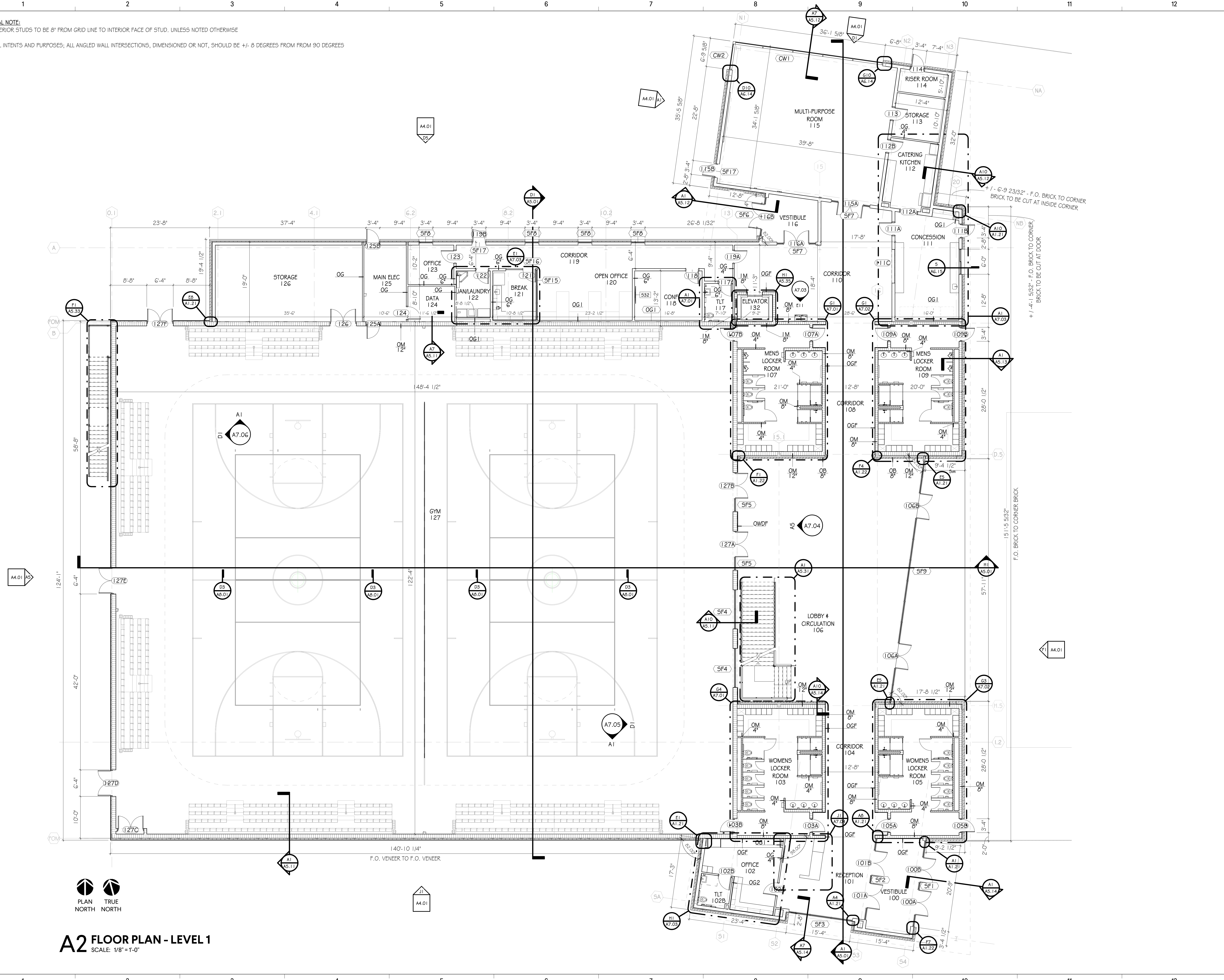
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Birmingham, AL 35233
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GENERAL NOTE:
 ALL EXTERIOR STUDS TO BE 8" FROM GRID LINE TO INTERIOR FACE OF STUD, UNLESS NOTED OTHERWISE
 FOR ALL INTENTS AND PURPOSES; ALL ANGLED WALL INTERSECTIONS, DIMENSIONED OR NOT, SHOULD BE +/- 8 DEGREES FROM FROM 90 DEGREES



A2 FLOOR PLAN - LEVEL 1
 SCALE: 1/8" = 1'-0"

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 RAINBOW CITY, ALABAMA

FLOOR PLAN - LEVEL 1

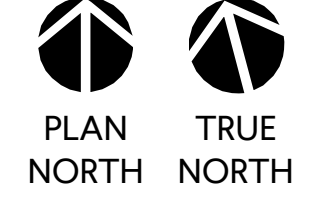
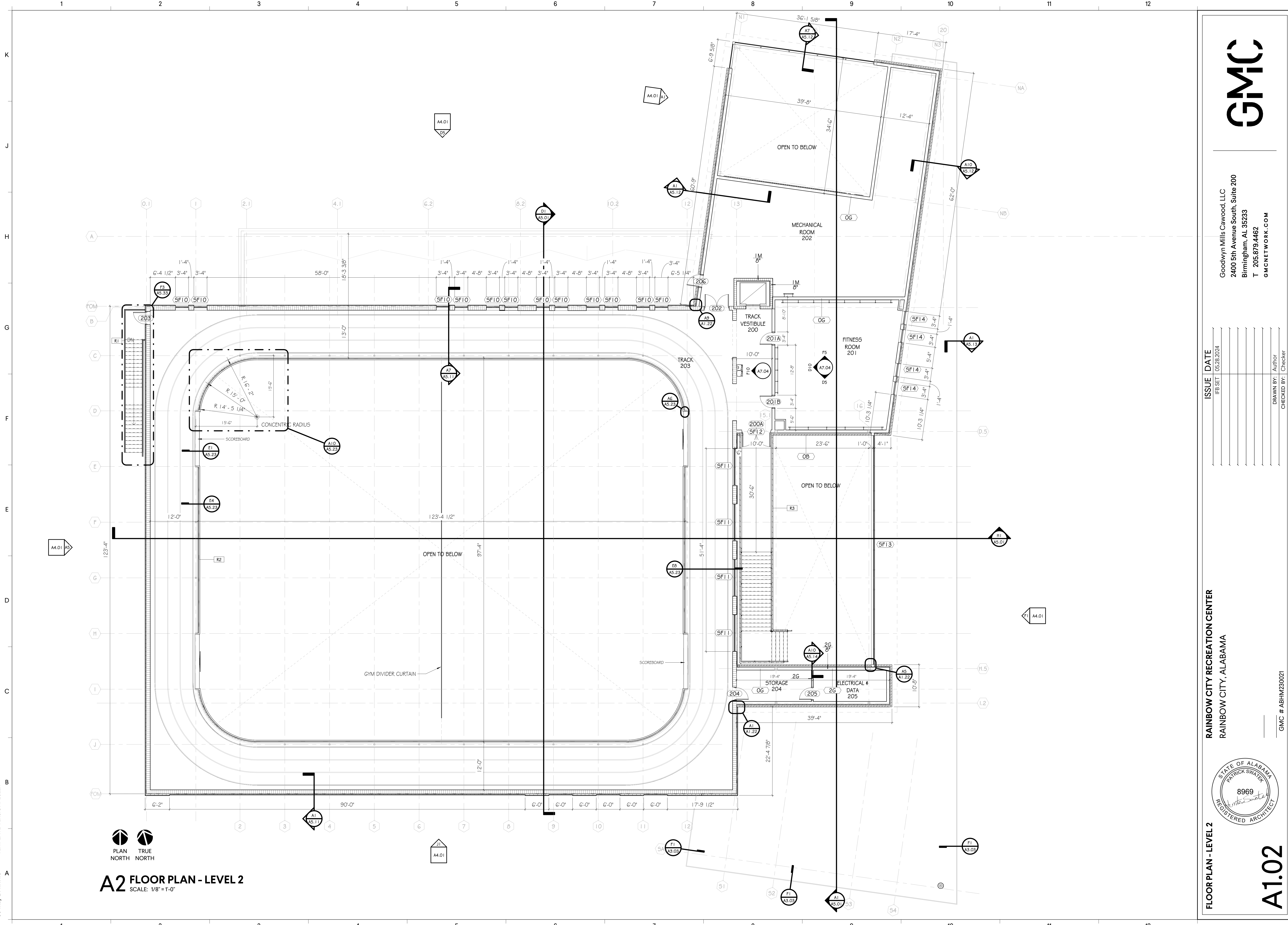
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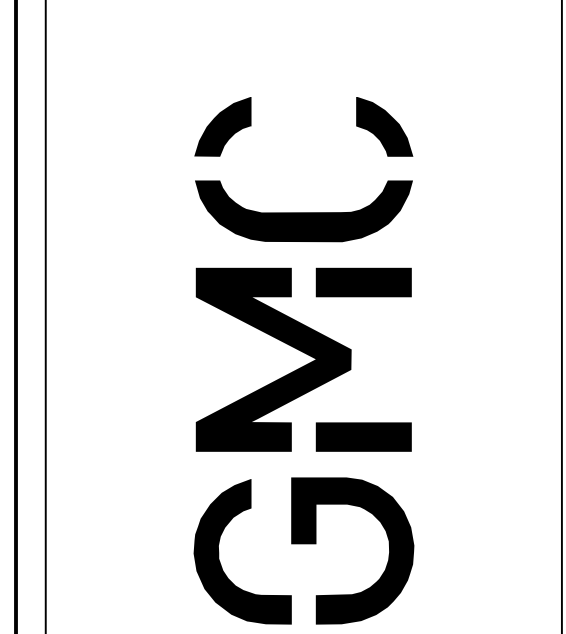
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A2 FLOOR PLAN - LEVEL 2

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



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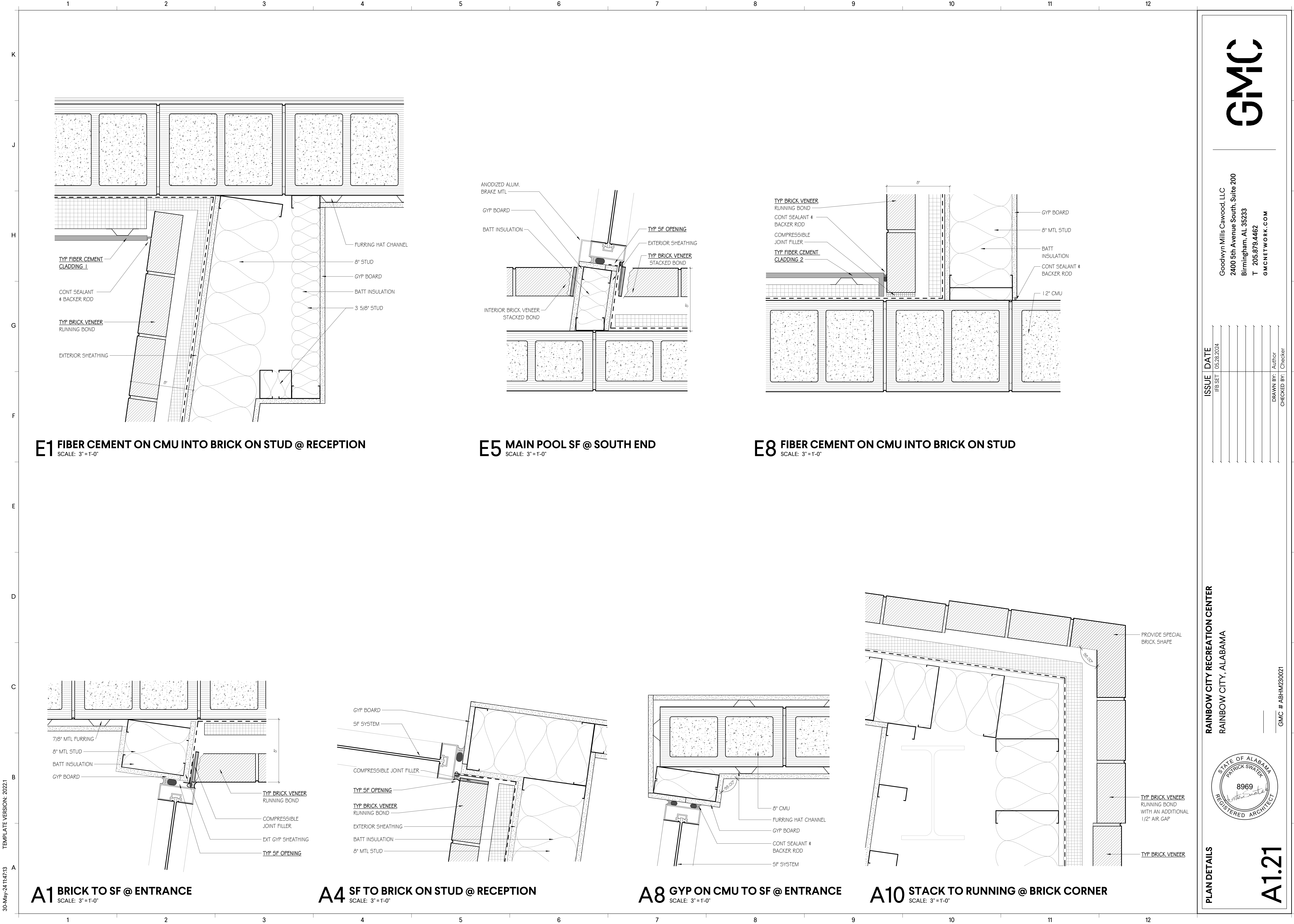
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FLOOR PLAN - LEVEL 2

A1.02



E1 FIBER CEMENT ON CMU INTO BRICK ON STUD @ RECEPTION
SCALE: 3"=1'-0"

E5 MAIN POOL SF @ SOUTH END
SCALE: 3"=1'-0"

E8 FIBER CEMENT ON CMU INTO BRICK ON STUD
SCALE: 3"=1'-0"

A1 BRICK TO SF @ ENTRANCE
SCALE: 3"=1'-0"

A4 SF TO BRICK ON STUD @ RECEPTION
SCALE: 3"=1'-0"

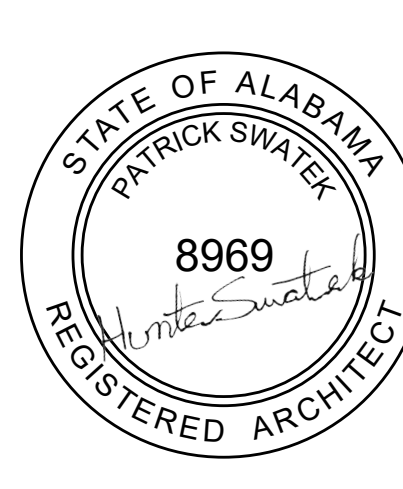
A8 GYP ON CMU TO SF @ ENTRANCE
SCALE: 3"=1'-0"

A10 STACK TO RUNNING @ BRICK CORNER
SCALE: 3"=1'-0"

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PLAN DETAILS

A1.21

GMC # ABHM230021

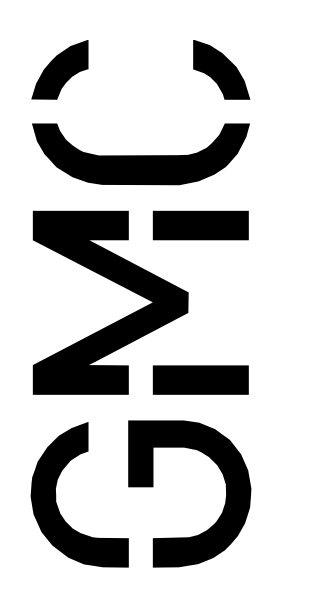
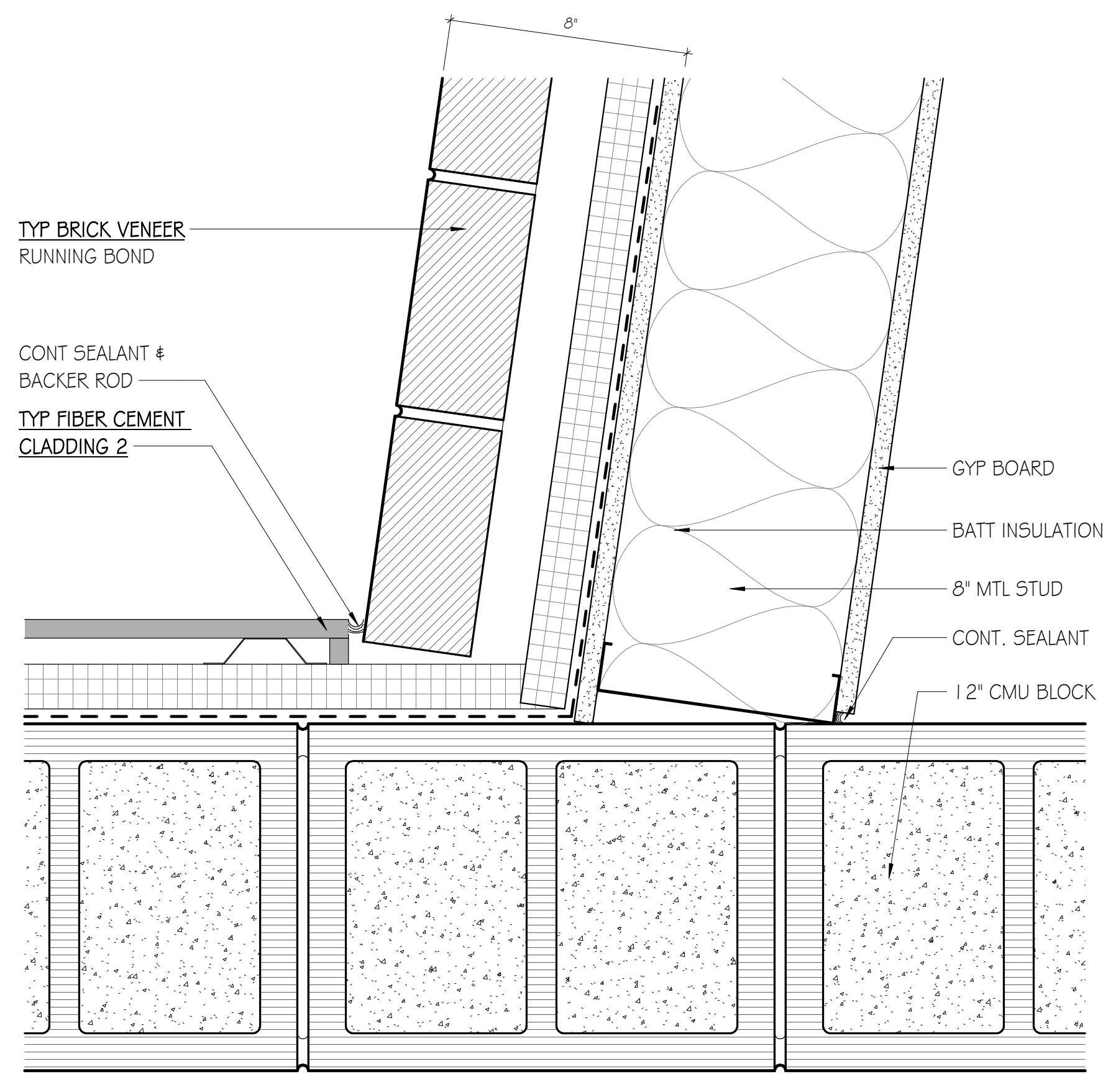
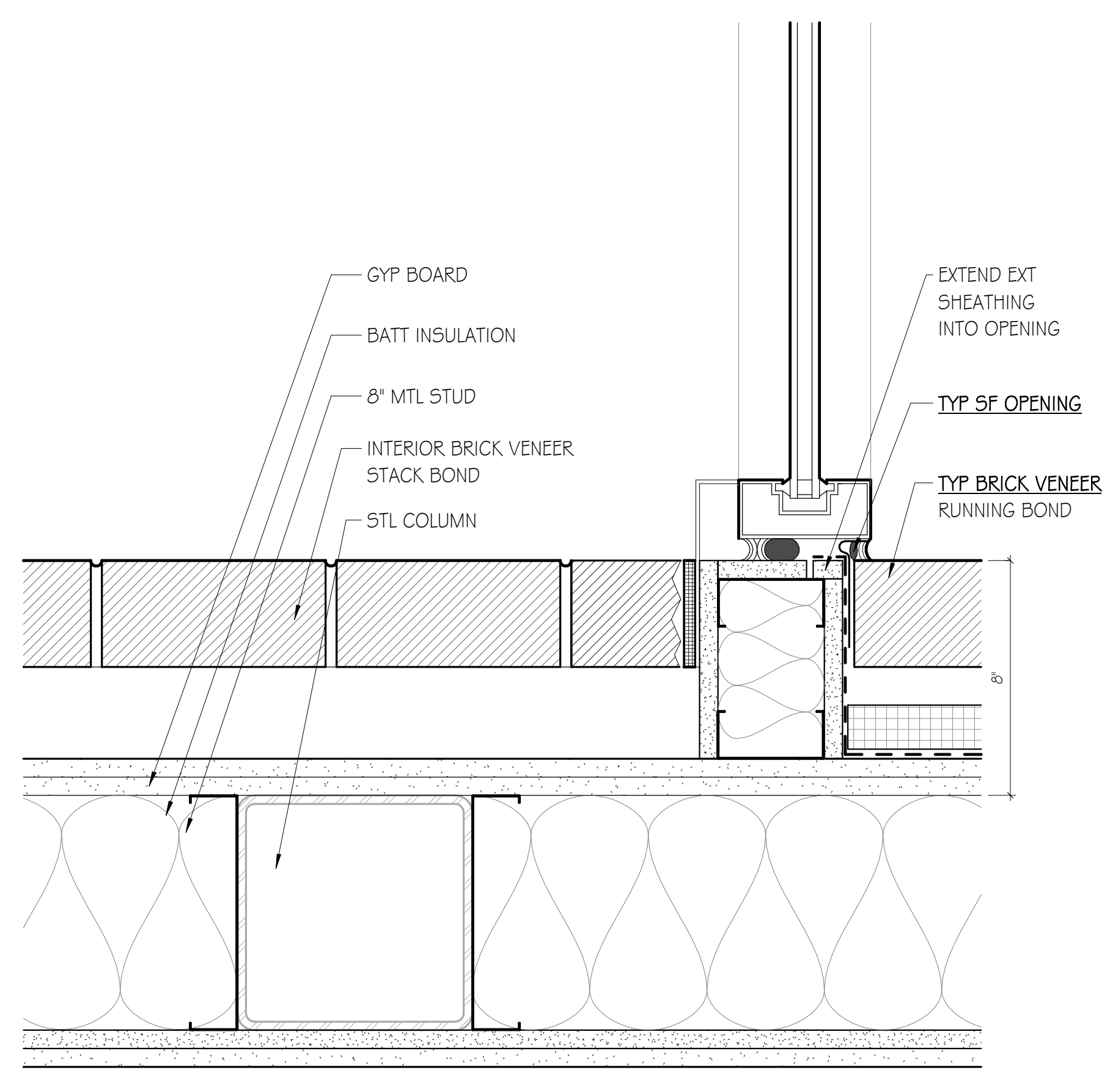
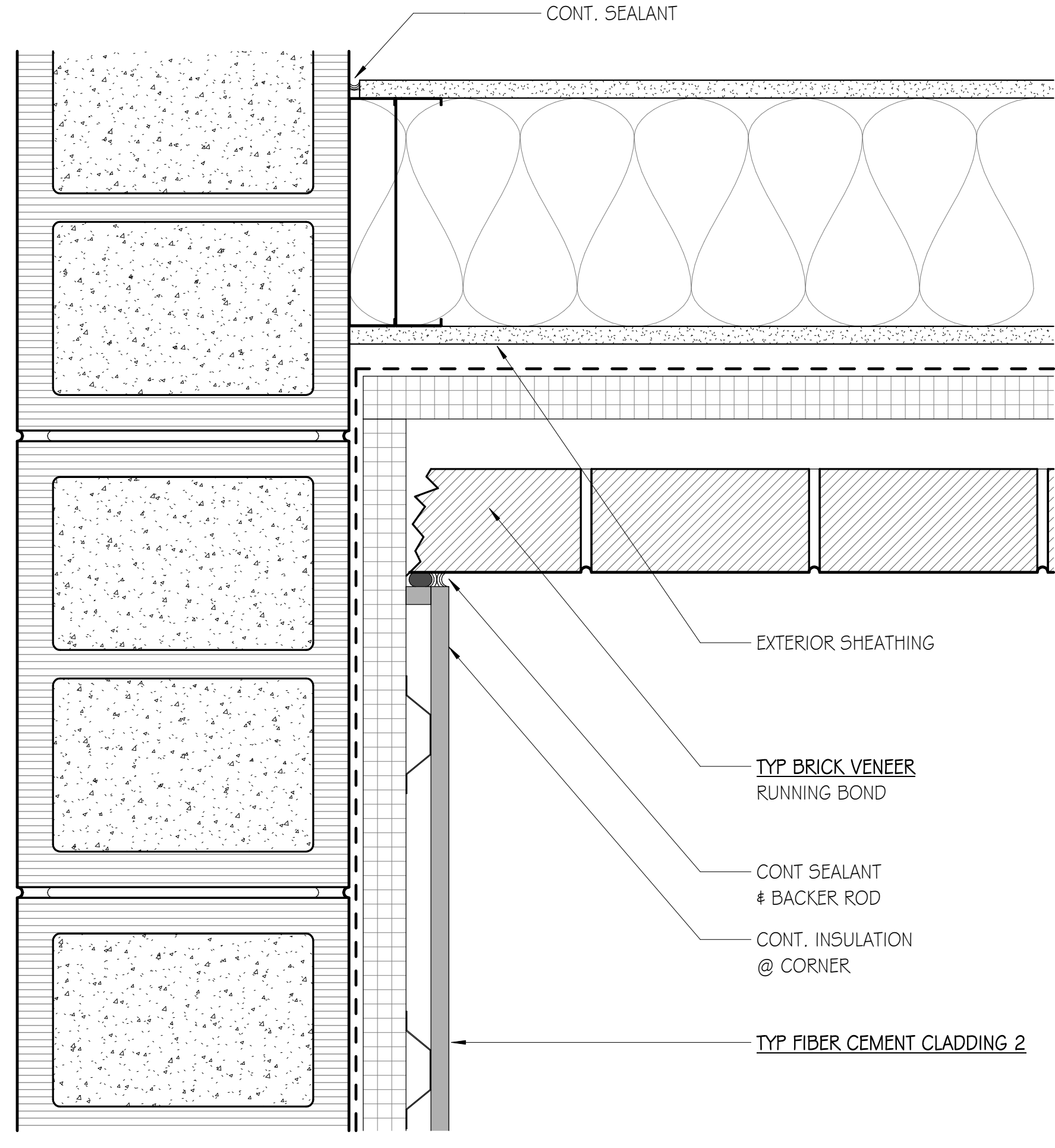
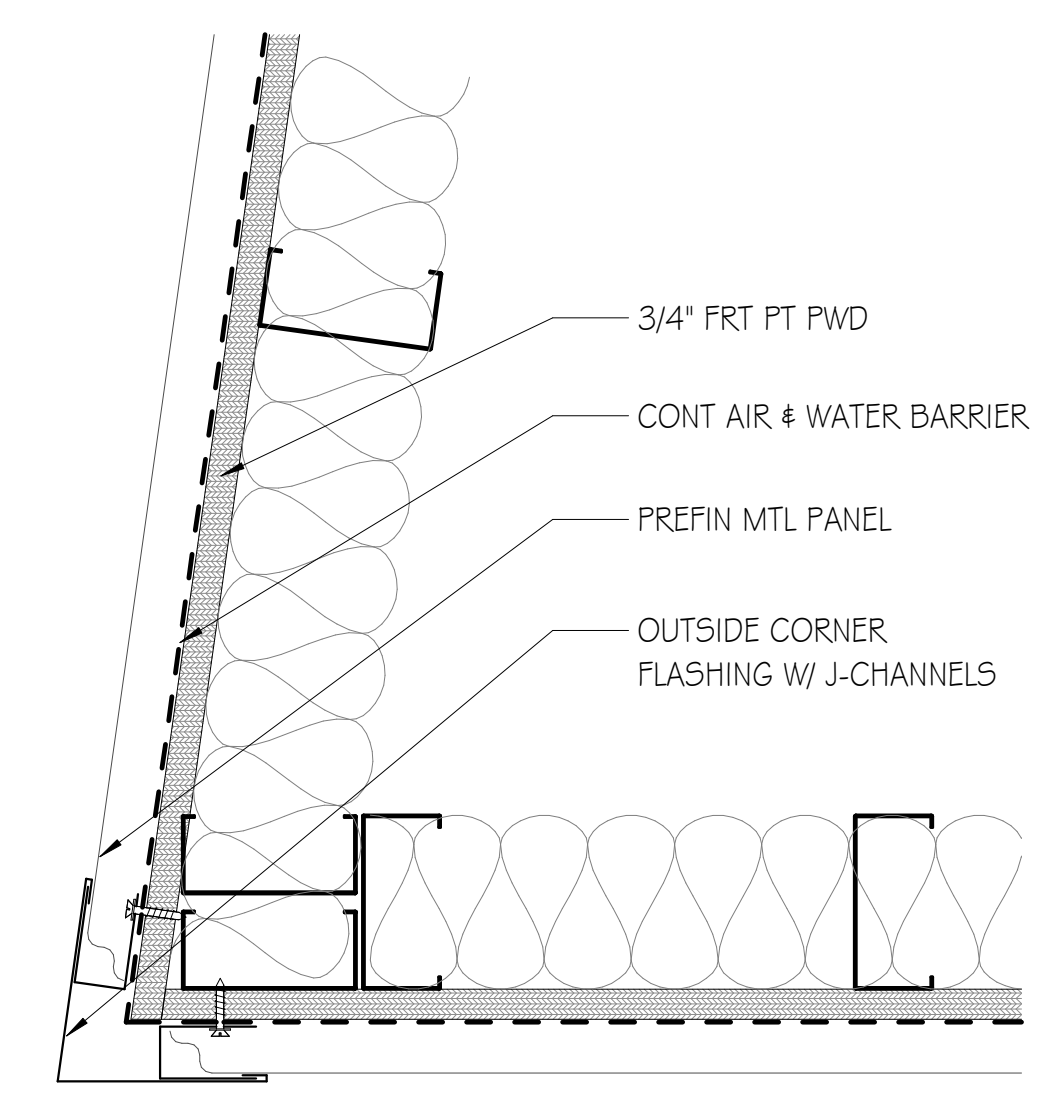
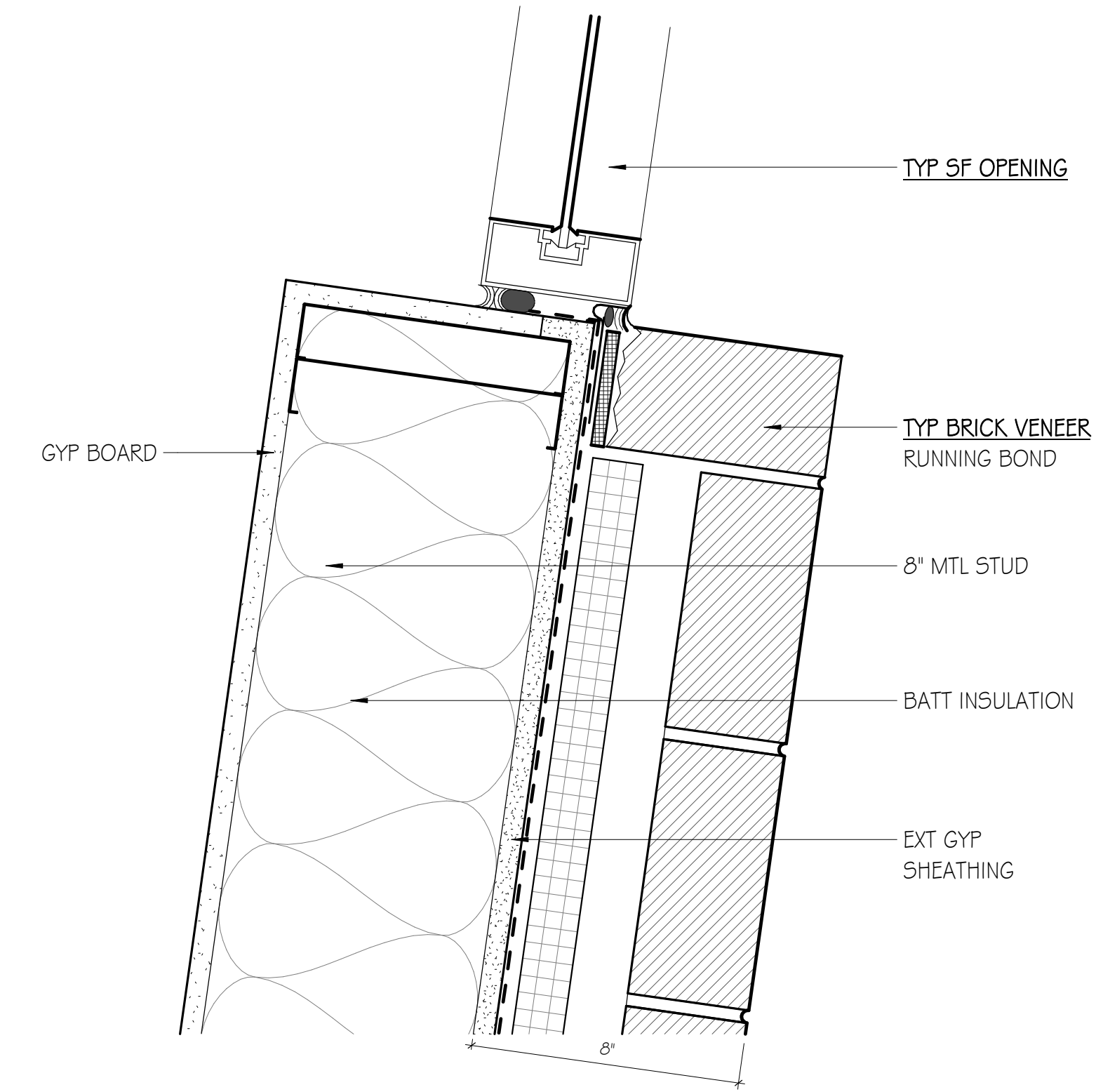
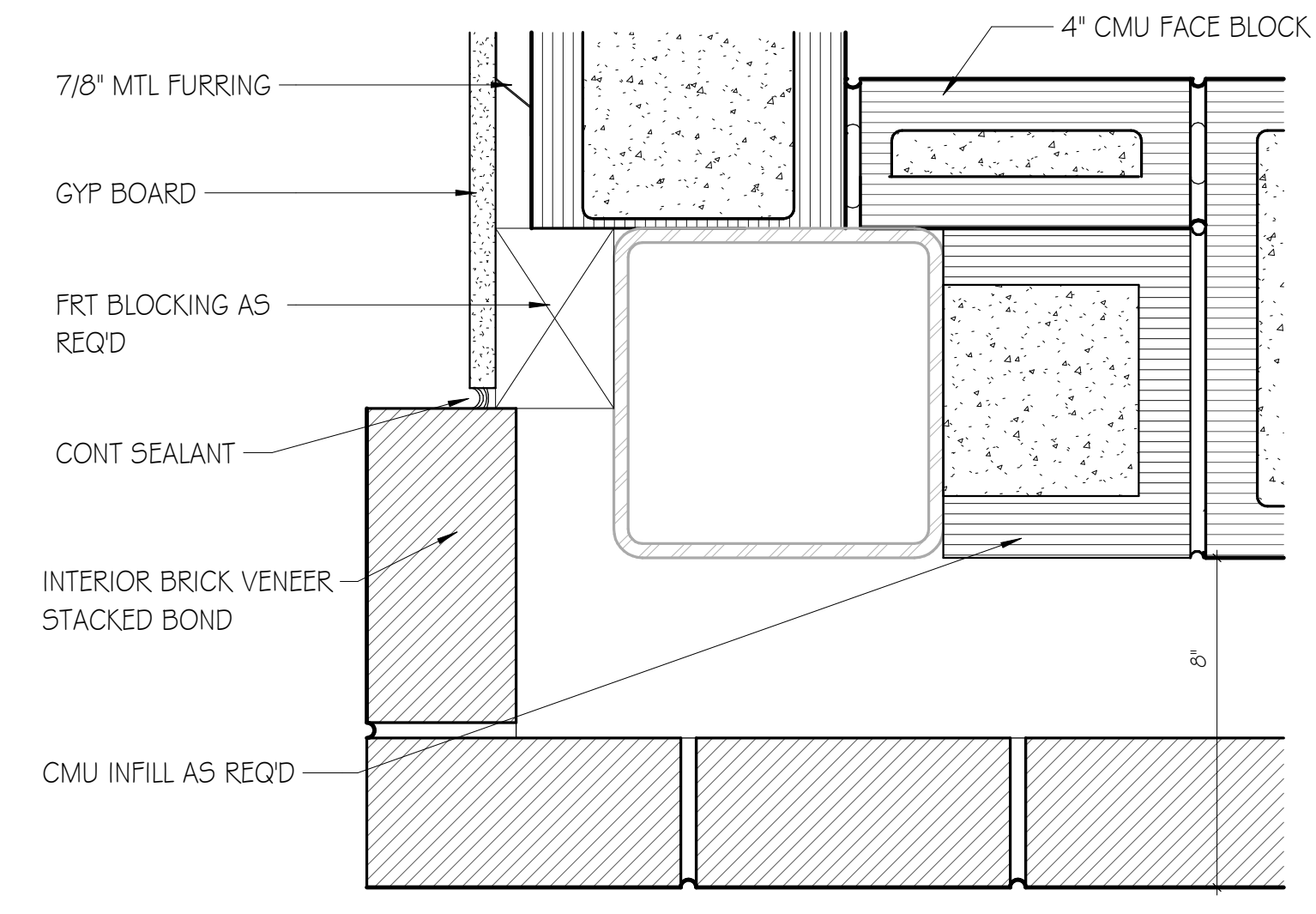
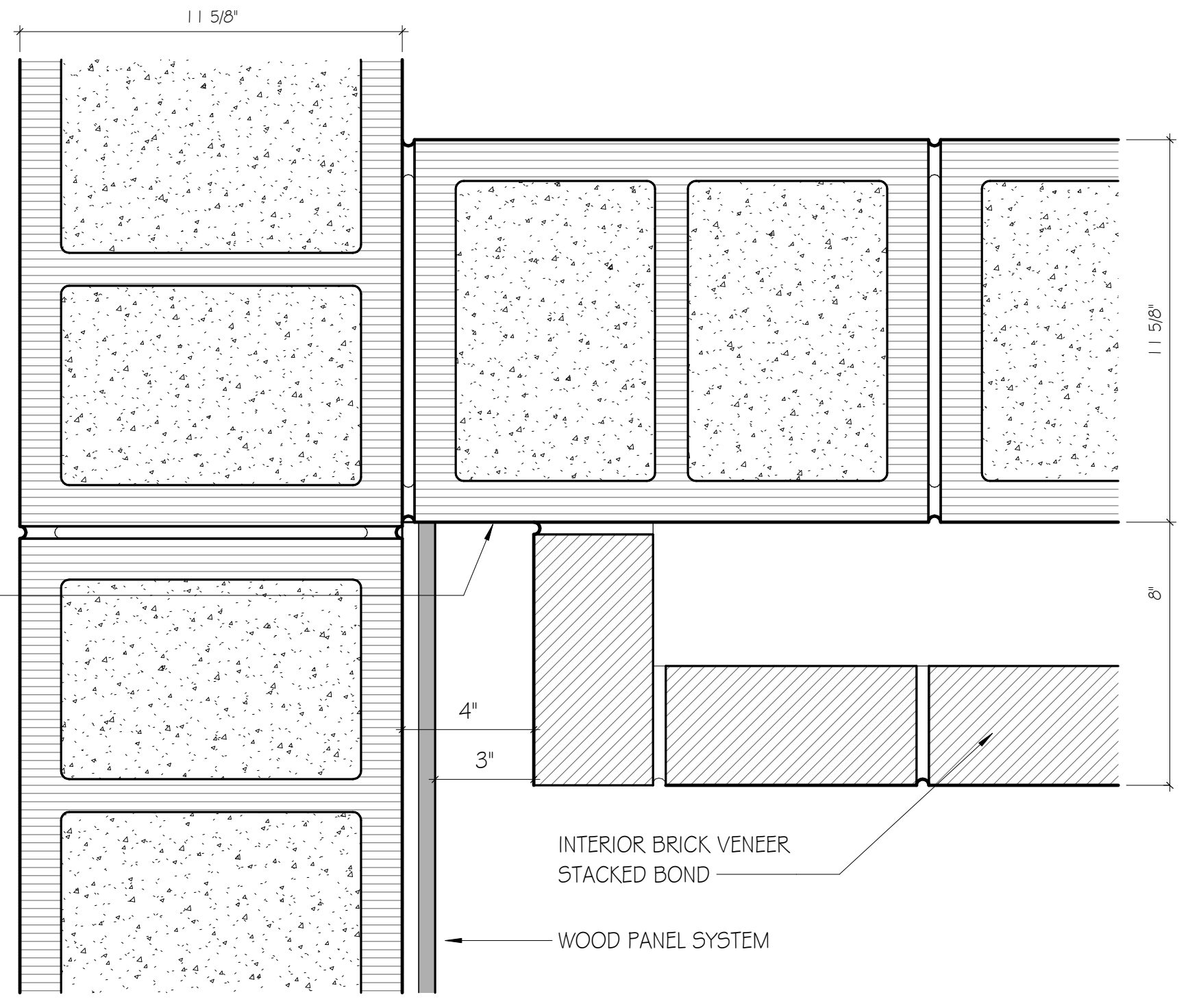
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RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA



PLAN DETAILS

A1.22

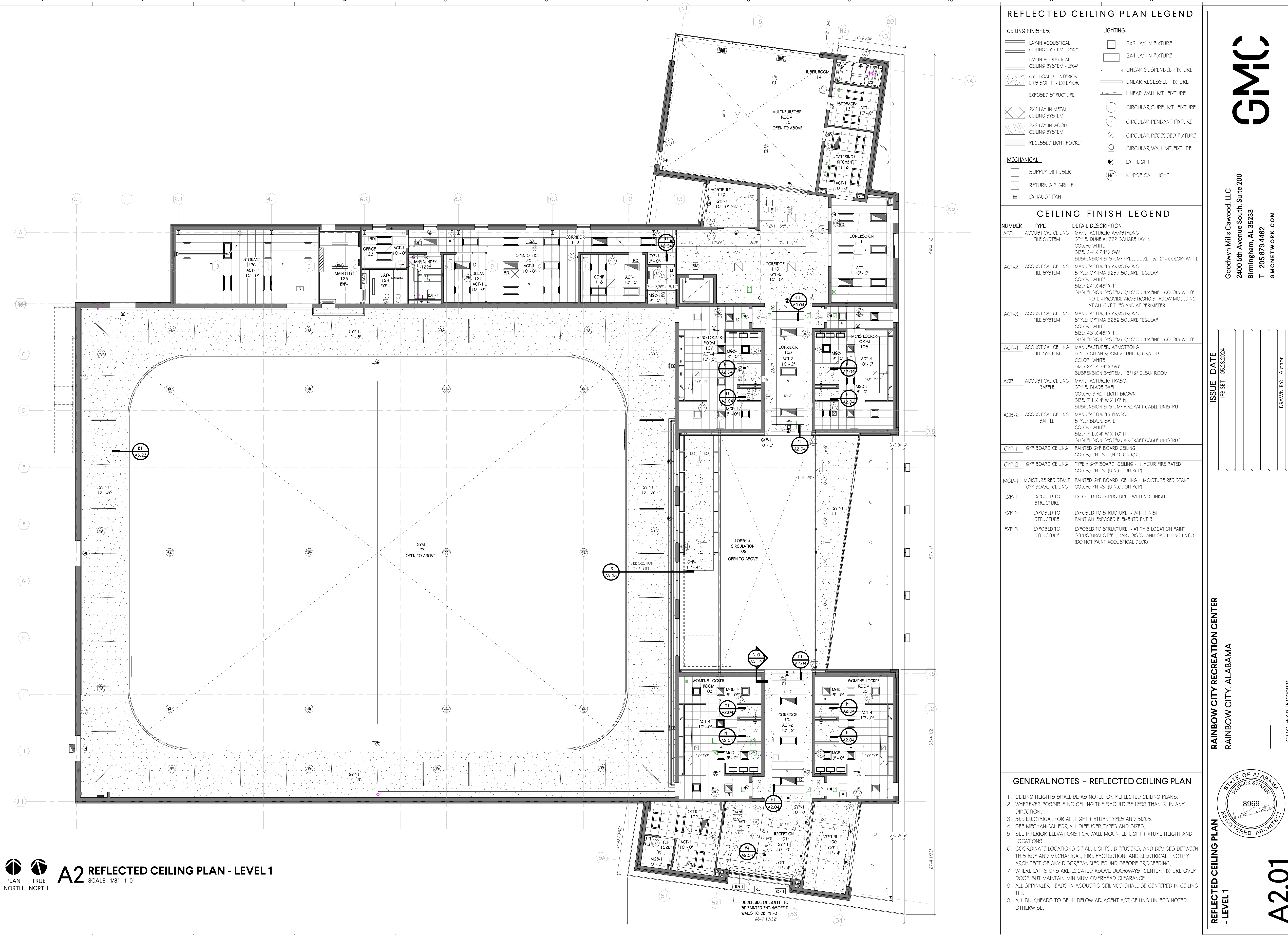
30-May-24 11:47:15 TEMPLATE VERSION: 2023.1

1 2 3 4 5 6 7 8 9 10 11 12



A2 REFLECTED CEILING PLAN - LEVEL 1

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



REFLECTED CEILING PLAN LEGEND

CEILING FINISHES:	LIGHTING:

CEILING FINISH LEGEND

NUMBER:	TYPE	DETAIL DESCRIPTION
ACT-1	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG STYLE: DUNE #1772 SQUARE LAY-IN COLOR: WHITE SIZE: 24" X 24" X 5/8" SUSPENSION SYSTEM: PRELUDE XL 1 5/16" - COLOR: WHITE
ACT-2	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG STYLE: OPTIMA 3257 SQUARE REGULAR COLOR: WHITE SIZE: 24" X 48" X 1" SUSPENSION SYSTEM: 9/16" SUPRAFINE - COLOR: WHITE NOTE - PROVIDE ARMSTRONG SHADOW MOULDING AT ALL CUT TILES AND AT PERIMETER
ACT-3	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG STYLE: OPTIMA 3256 SQUARE REGULAR COLOR: WHITE SIZE: 48" X 48" X 1" SUSPENSION SYSTEM: 9/16" SUPRAFINE - COLOR: WHITE
ACT-4	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG STYLE: CLEAN ROOM VL UNPERFORATED COLOR: WHITE SIZE: 24" X 24" X 5/8" SUSPENSION SYSTEM: 15/16" CLEAN ROOM
ACB-1	ACOUSTICAL CEILING BAFFLE	MANUFACTURER: FRASCH STYLE: BLADE BAFL COLOR: BIRCH LIGHT BROWN SIZE: 7' L X 4' W X 1'0" H SUSPENSION SYSTEM: AIRCRAFT CABLE UNISTRUT
ACB-2	ACOUSTICAL CEILING BAFFLE	MANUFACTURER: FRASCH STYLE: BLADE BAFL COLOR: WHITE SIZE: 7' L X 4' W X 1'0" H SUSPENSION SYSTEM: AIRCRAFT CABLE UNISTRUT
GYP-1	GYP BOARD CEILING	PAINTED GYP BOARD CEILING COLOR: PNT-3 (U.N.O. ON RCP)
GYP-2	GYP BOARD CEILING	TYPE X GYP BOARD CEILING - 1 HOUR FIRE RATED COLOR: PNT-3 (U.N.O. ON RCP)
MGB-1	MOISTURE RESISTANT GYP BOARD CEILING	PAINTED GYP BOARD CEILING - MOISTURE RESISTANT COLOR: PNT-3 (U.N.O. ON RCP)
EXP-1	EXPOSED TO STRUCTURE	EXPOSED TO STRUCTURE - WITH NO FINISH
EXP-2	EXPOSED TO STRUCTURE	EXPOSED TO STRUCTURE - WITH FINISH PAINT ALL EXPOSED ELEMENTS PNT-3
EXP-3	EXPOSED TO STRUCTURE	EXPOSED TO STRUCTURE - AT THIS LOCATION PAINT STRUCTURAL STEEL, BAR JOISTS, AND GAS PIPING PNT-3 (DO NOT PAINT ACOUSTICAL DECK)

GENERAL NOTES - REFLECTED CEILING PLAN

1. CEILING HEIGHTS SHALL BE AS NOTED ON REFLECTED CEILING PLANS.
2. WHEREVER POSSIBLE NO CEILING TILE SHOULD BE LESS THAN 6" IN ANY DIRECTION.
3. SEE ELECTRICAL FOR ALL LIGHT FIXTURE TYPES AND SIZES.
4. SEE MECHANICAL FOR ALL DIFFUSER TYPES AND SIZES.
5. SEE INTERIOR ELEVATIONS FOR WALL MOUNTED LIGHT FIXTURE HEIGHT AND LOCATIONS.
6. COORDINATE LOCATIONS OF ALL LIGHTS, DIFFUSERS, AND DEVICES BETWEEN THIS RCP AND MECHANICAL, FIRE PROTECTION, AND ELECTRICAL. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOUND BEFORE PROCEEDING.
7. WHERE EXIT SIGNS ARE LOCATED ABOVE DOORWAYS, CENTER FIXTURE OVER DOOR BUT MAINTAIN MINIMUM OVERHEAD CLEARANCE.
8. ALL SPRINKLER HEADS IN ACOUSTIC CEILINGS SHALL BE CENTERED IN CEILING TILE.
9. ALL BULKHEADS TO BE 4' BELOW ADJACENT ACT CEILING UNLESS NOTED OTHERWISE.



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REFLECTED CEILING PLAN - LEVEL 1

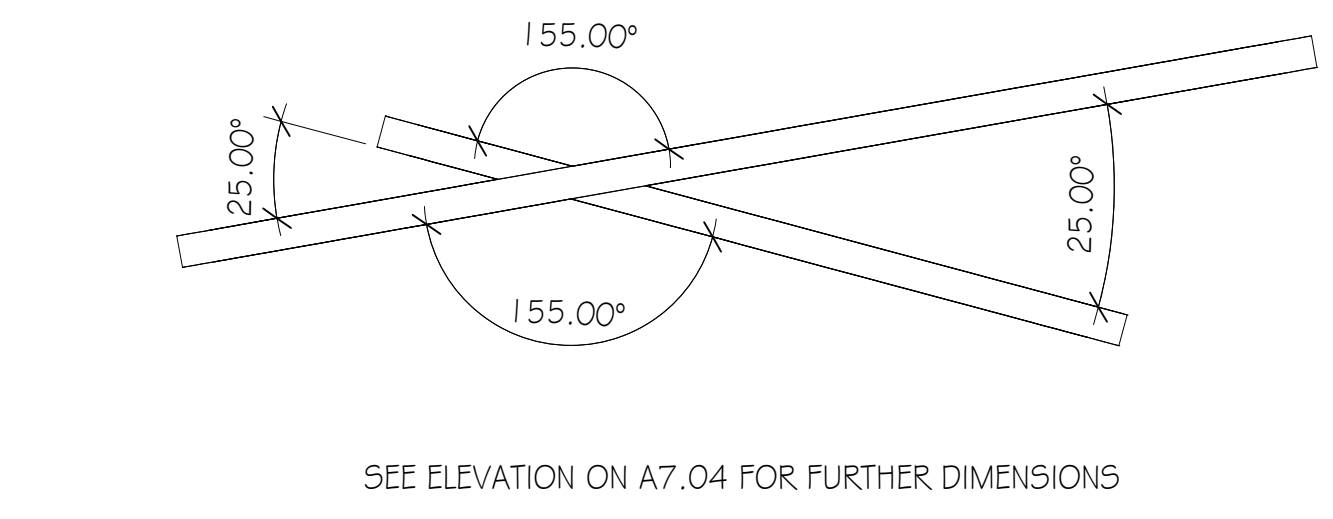
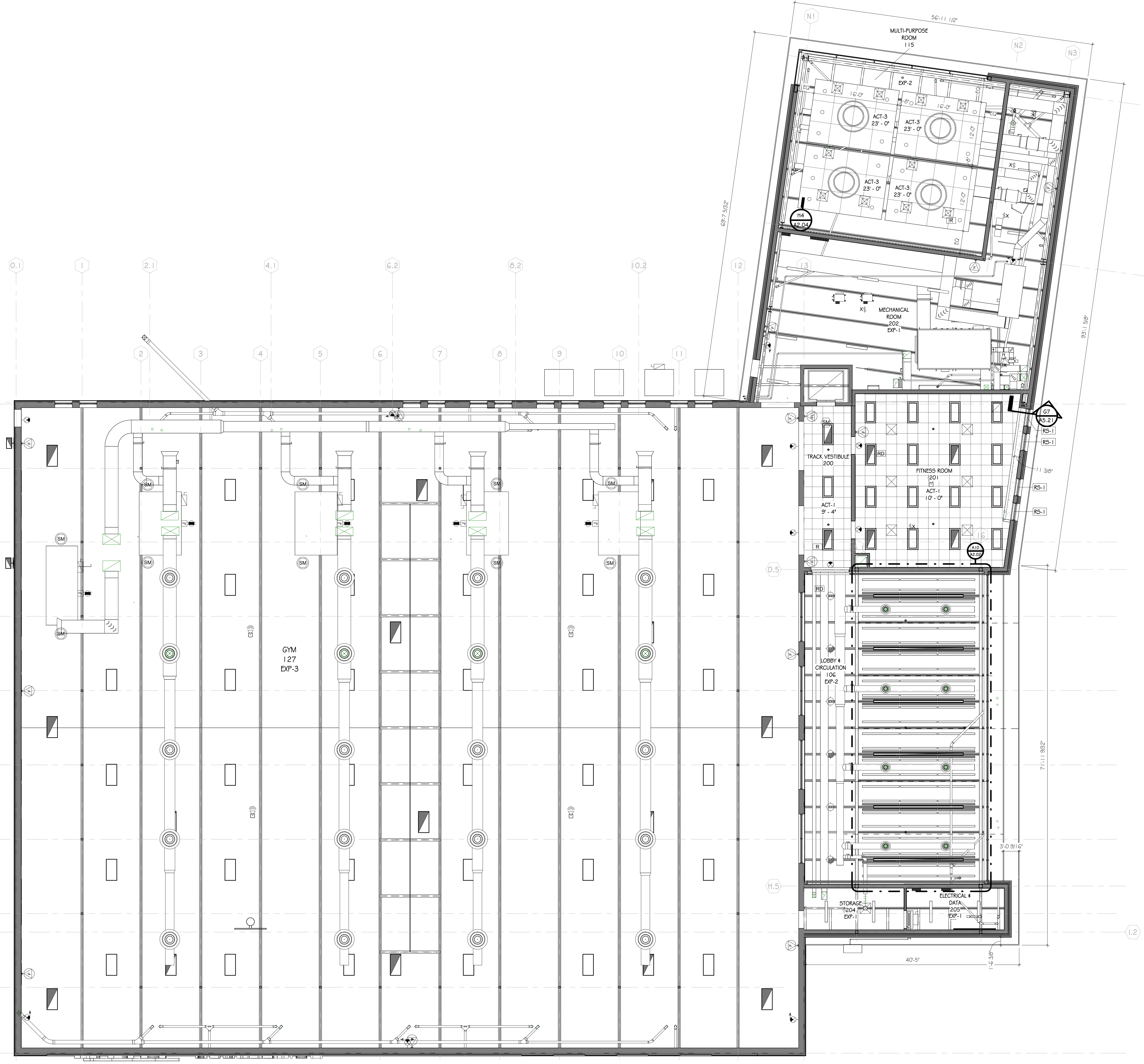
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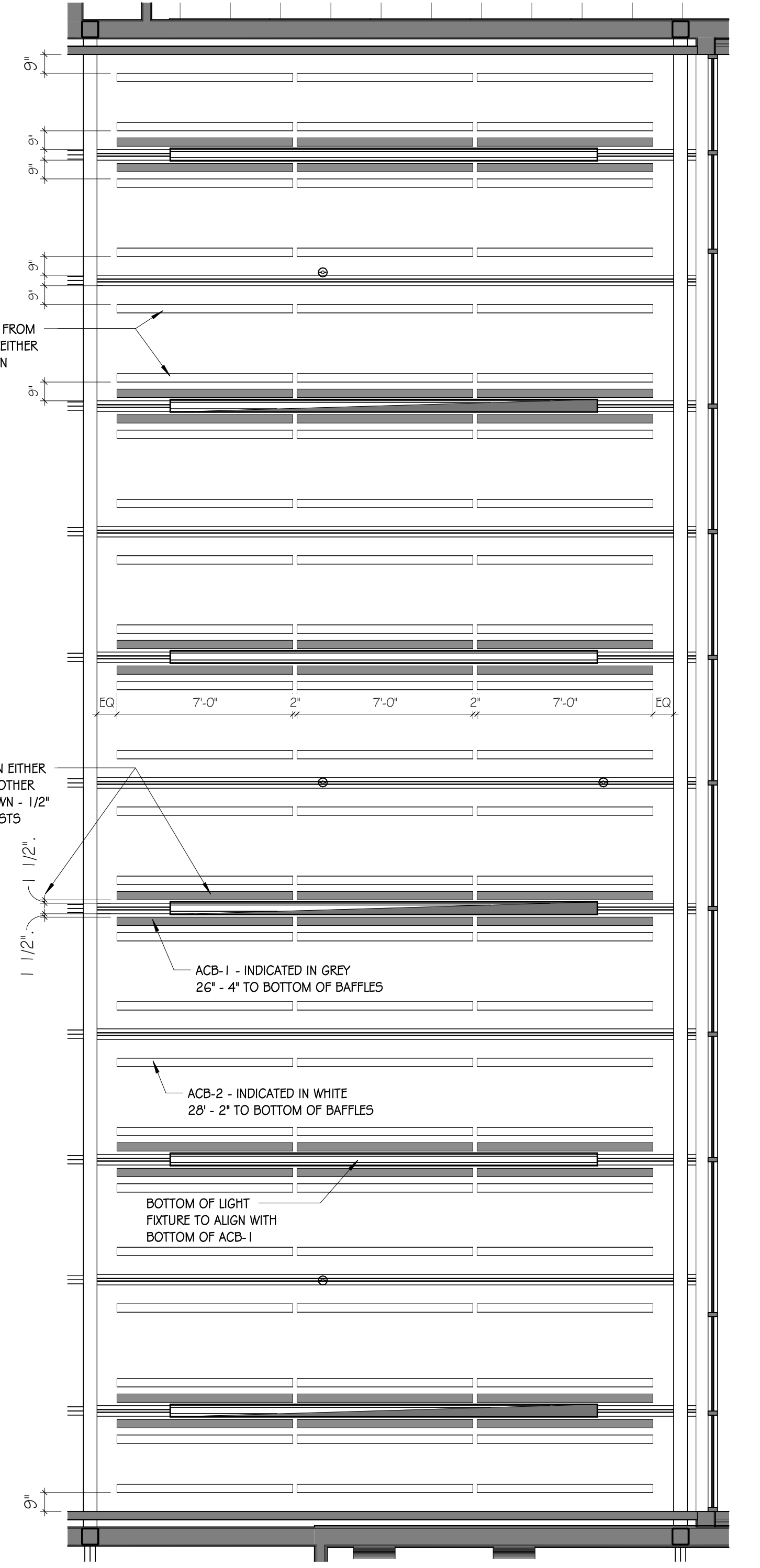
1 2 3 4 5 6 7 8 9 10 11 12

K J H G F E D C B A

30-May-24 11:47:23 TEMPLATE VERSION: 2023.1
PLAN TRUE NORTH
REFLECTED CEILING PLAN - LEVEL 2
SCALE: 1/8" = 1'-0"
A2
REFLECTED CEILING PLAN - LEVEL 2
SCALE: 1/4" = 1'-0"
A10
LOBBY ACOUSTIC CEILING BAFFLES
SCALE: 1/4" = 1'-0"
A2.02



G10 MULTI-PURPOSE 115 - LIGHT FIXTURE
SCALE: 1" = 1'-0"



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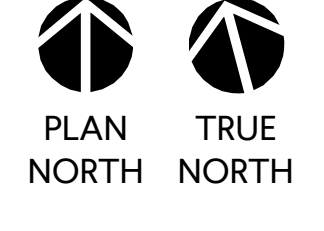
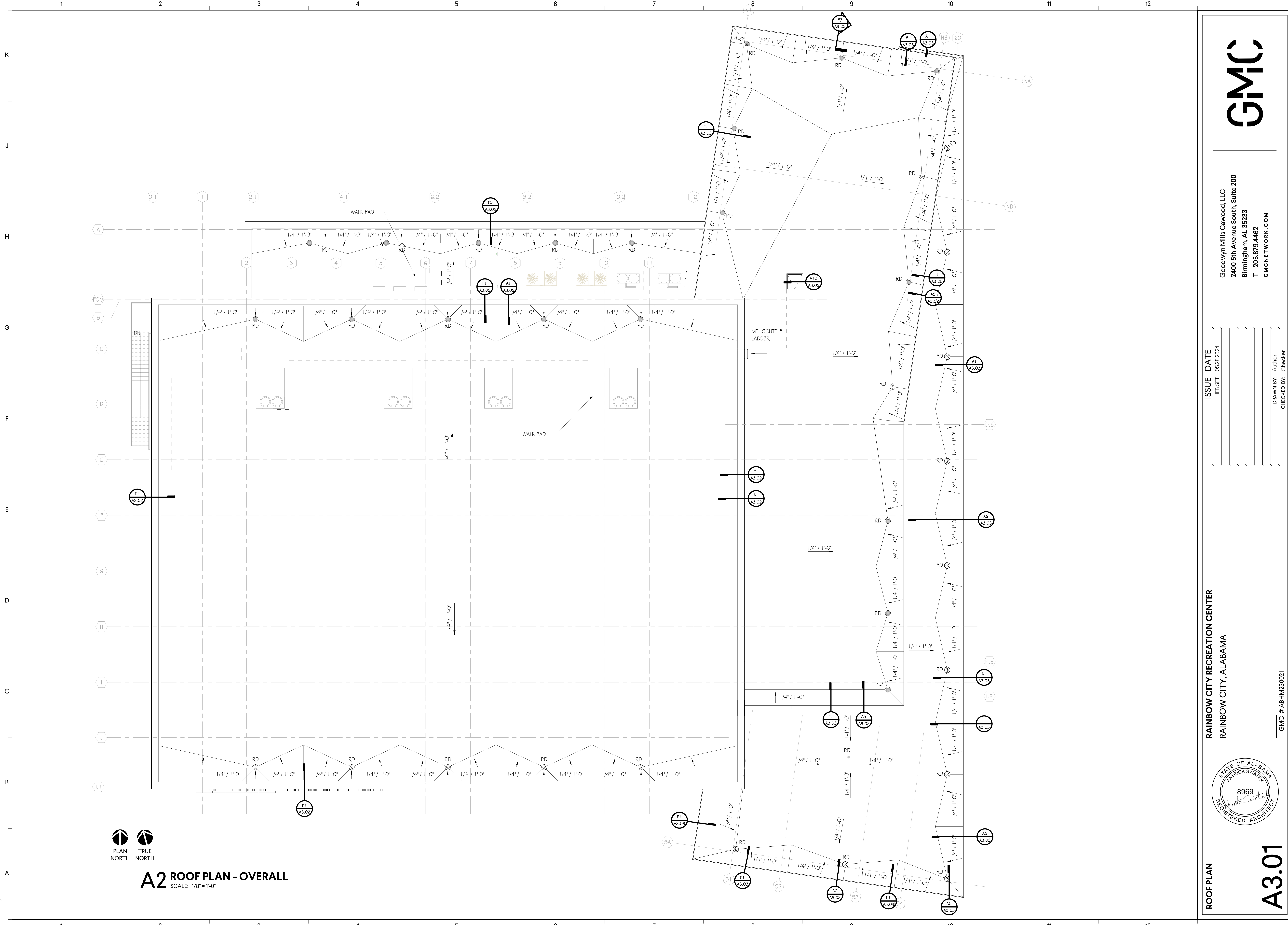
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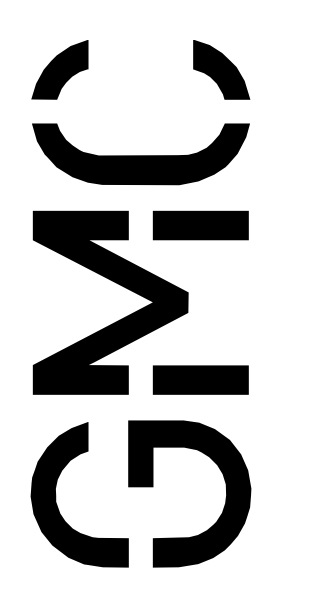
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STATE OF ALABAMA
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8969
REGISTERED ARCHITECT

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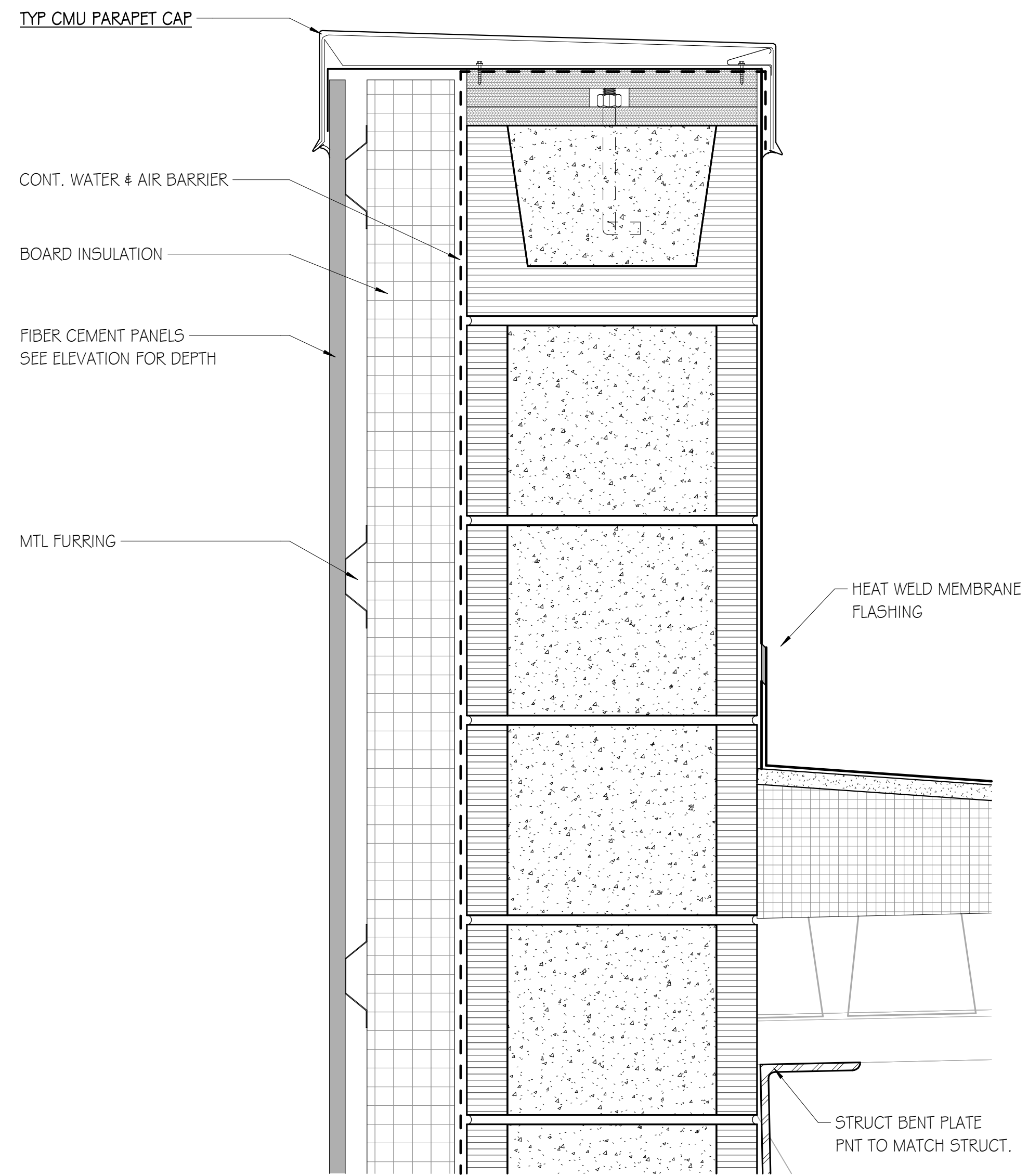


A2 ROOF PLAN - OVERALL
SCALE: 1/8" = 1'-0"

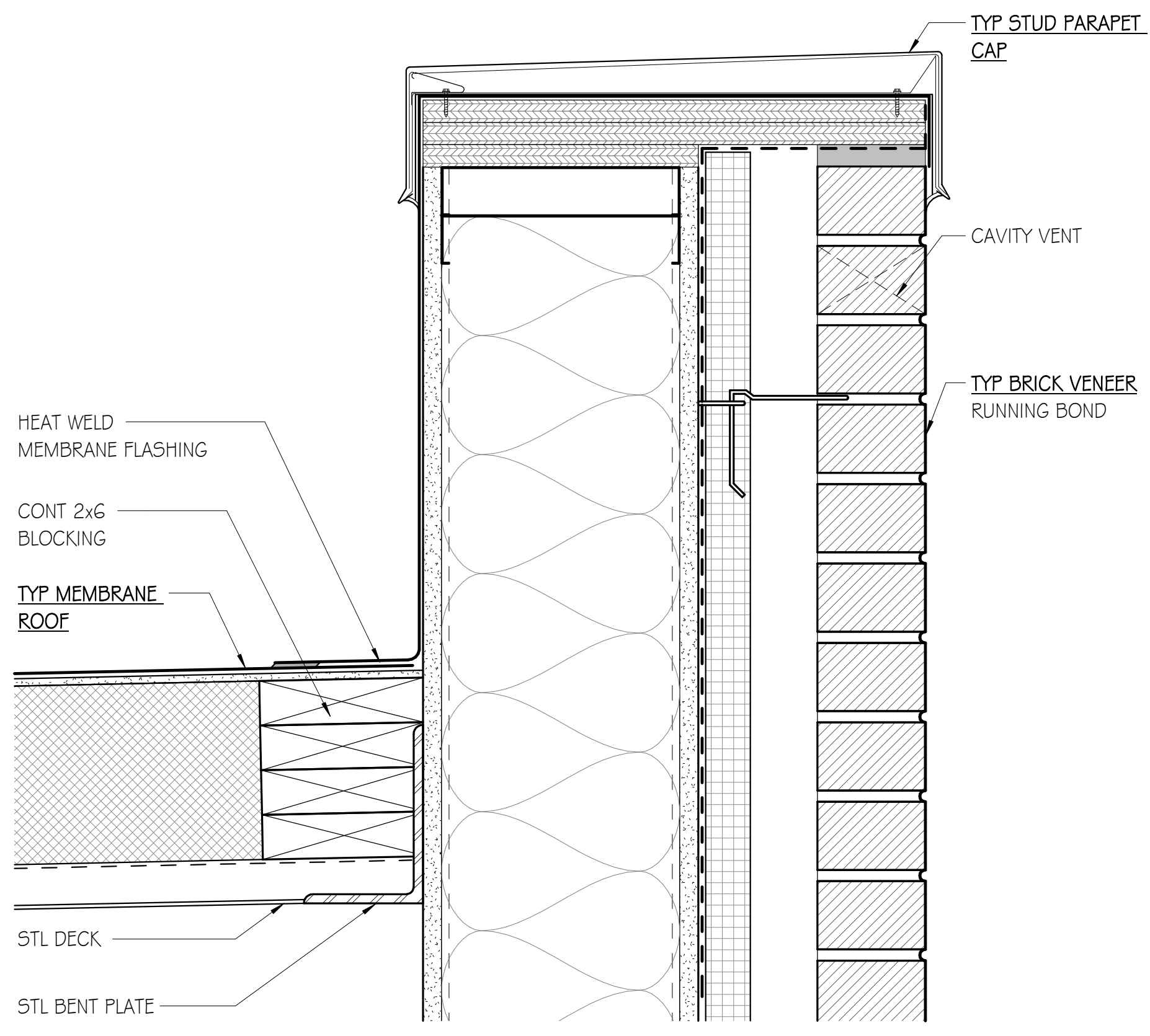


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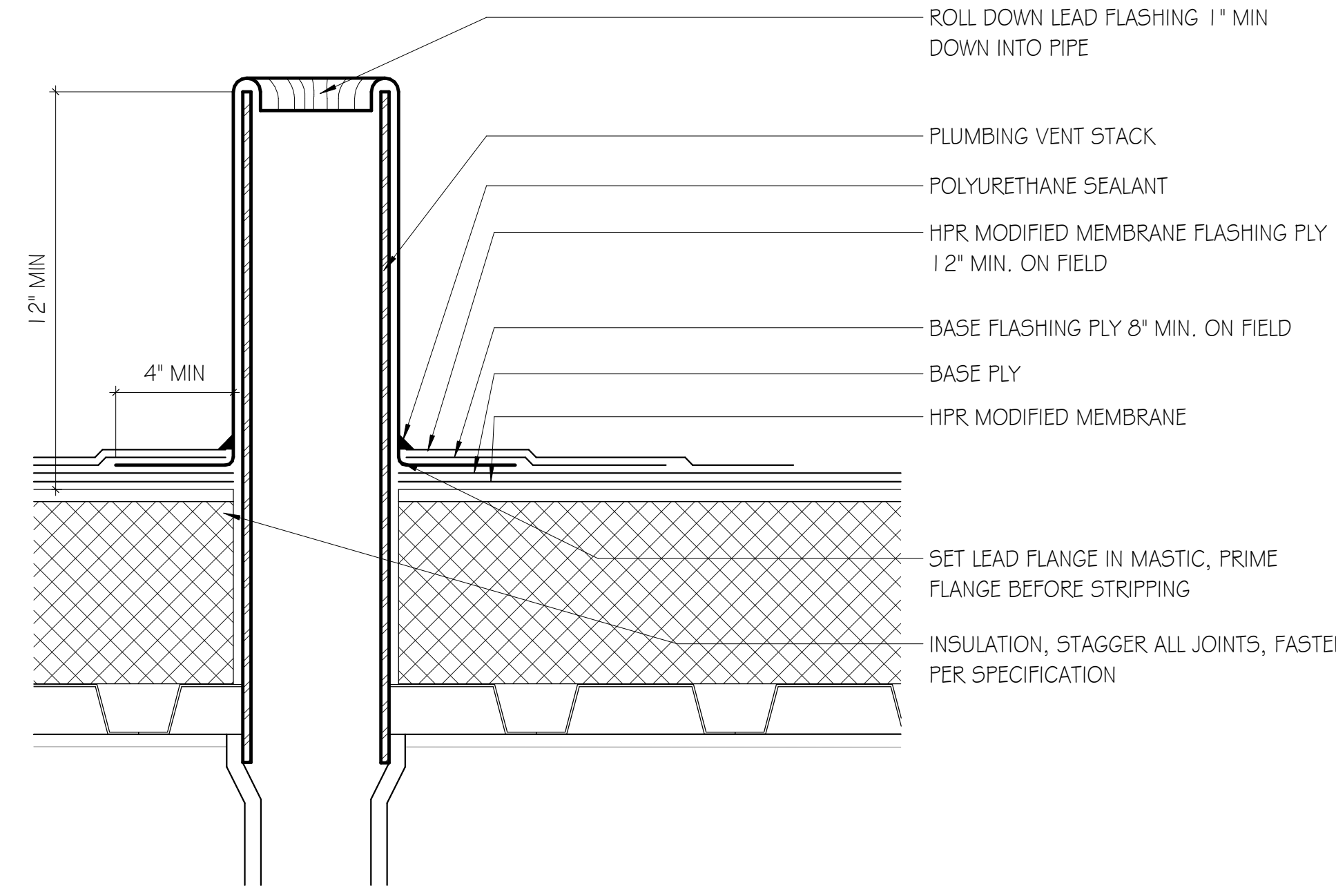
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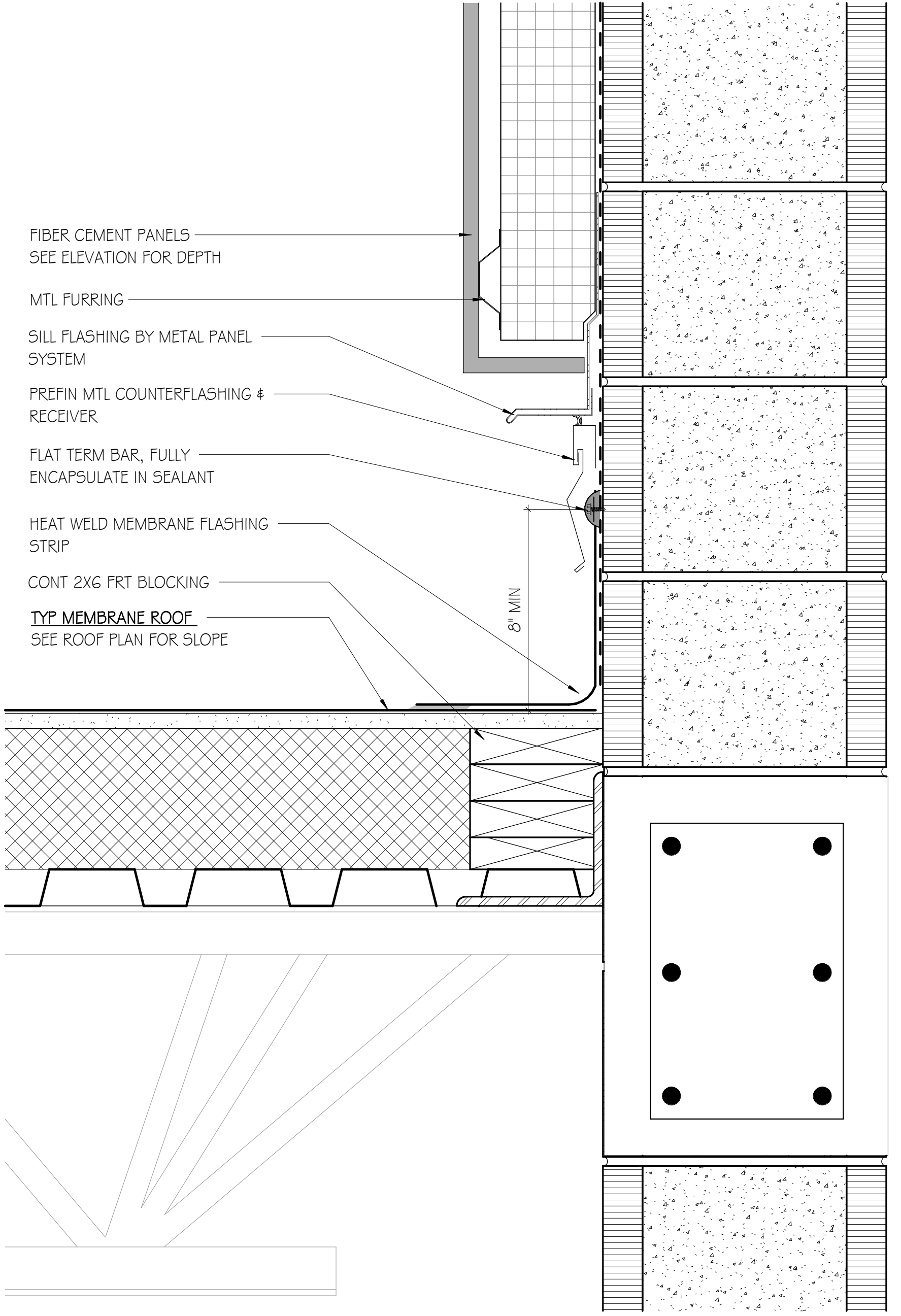
F1 GYM ROOF AND PARAPET
SCALE: 3"=1'-0"



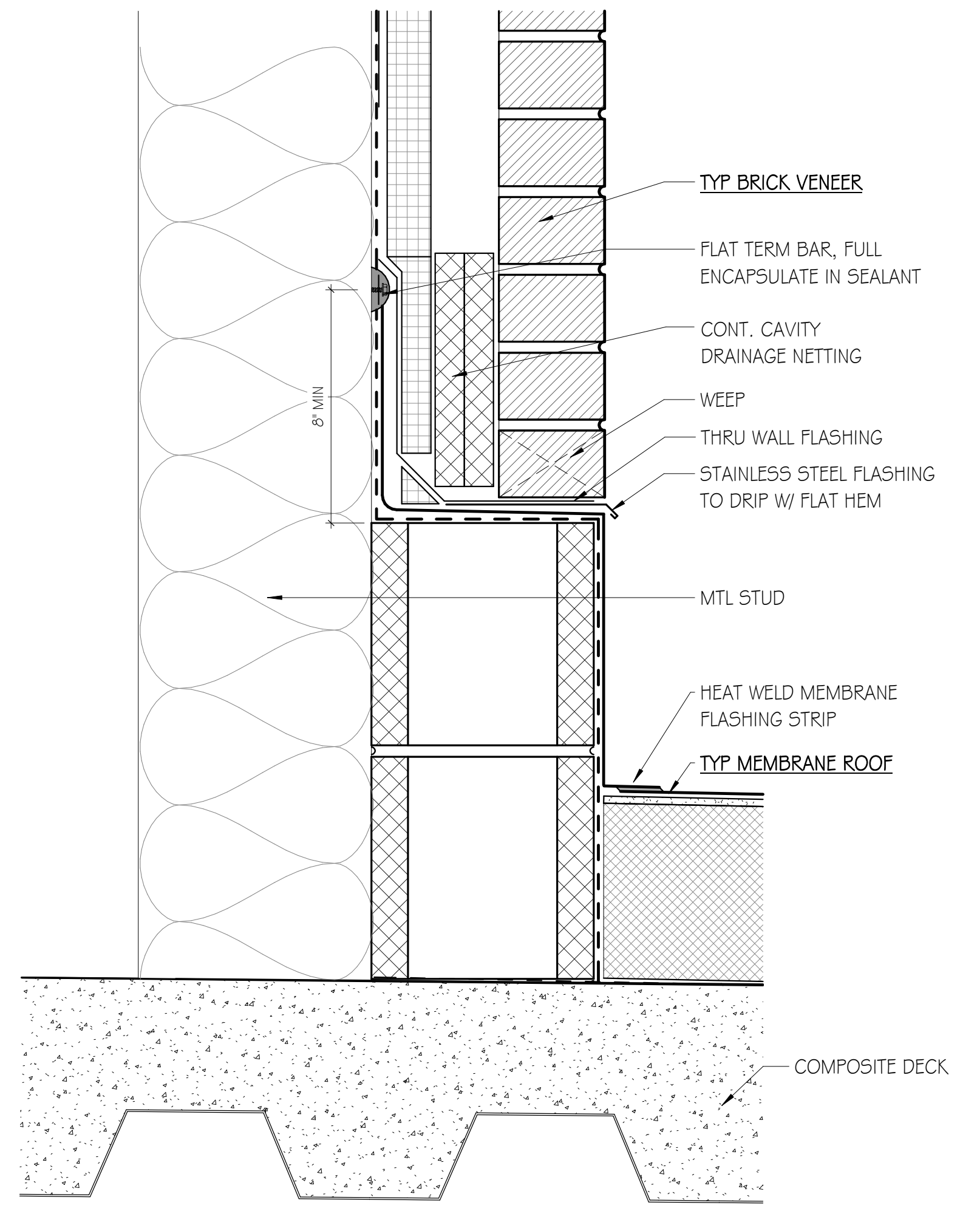
F5 BRICK VENEER @ PARAPET
SCALE: 3"=1'-0"



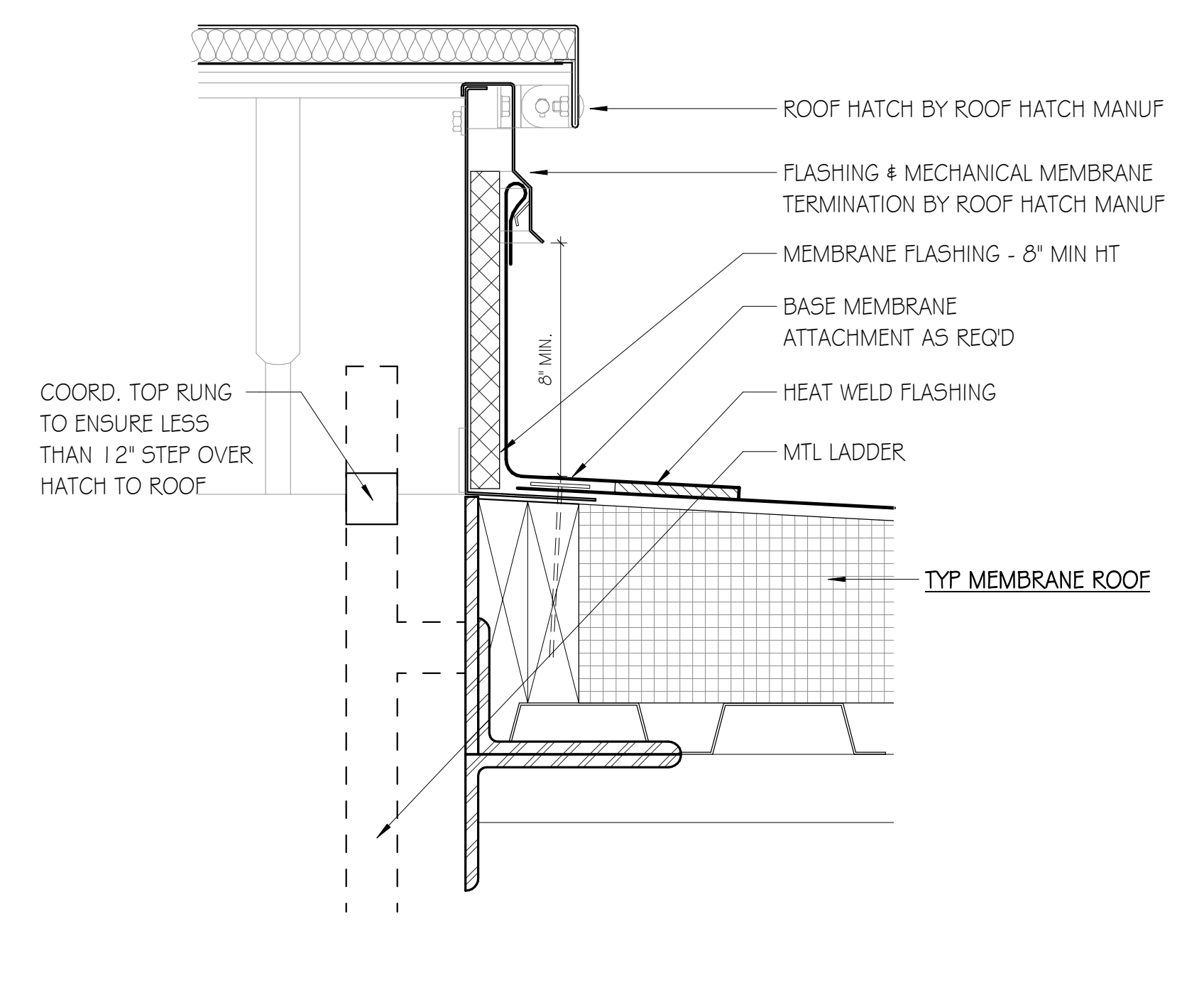
F9 TYP STACK ROOF PENETRATION
SCALE: 3"=1'-0"



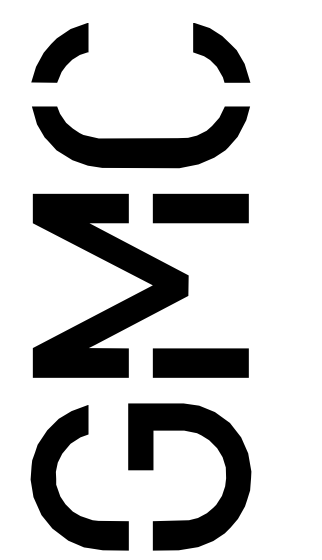
A1 ROOF TERMINATION @ HIGH WALL
SCALE: 3"=1'-0"



A5 BRICK @ MEMBRANE ROOF - COMPOSITE
SCALE: 3"=1'-0"



A10 ROOF HATCH @ LADDER
SCALE: 3"=1'-0"



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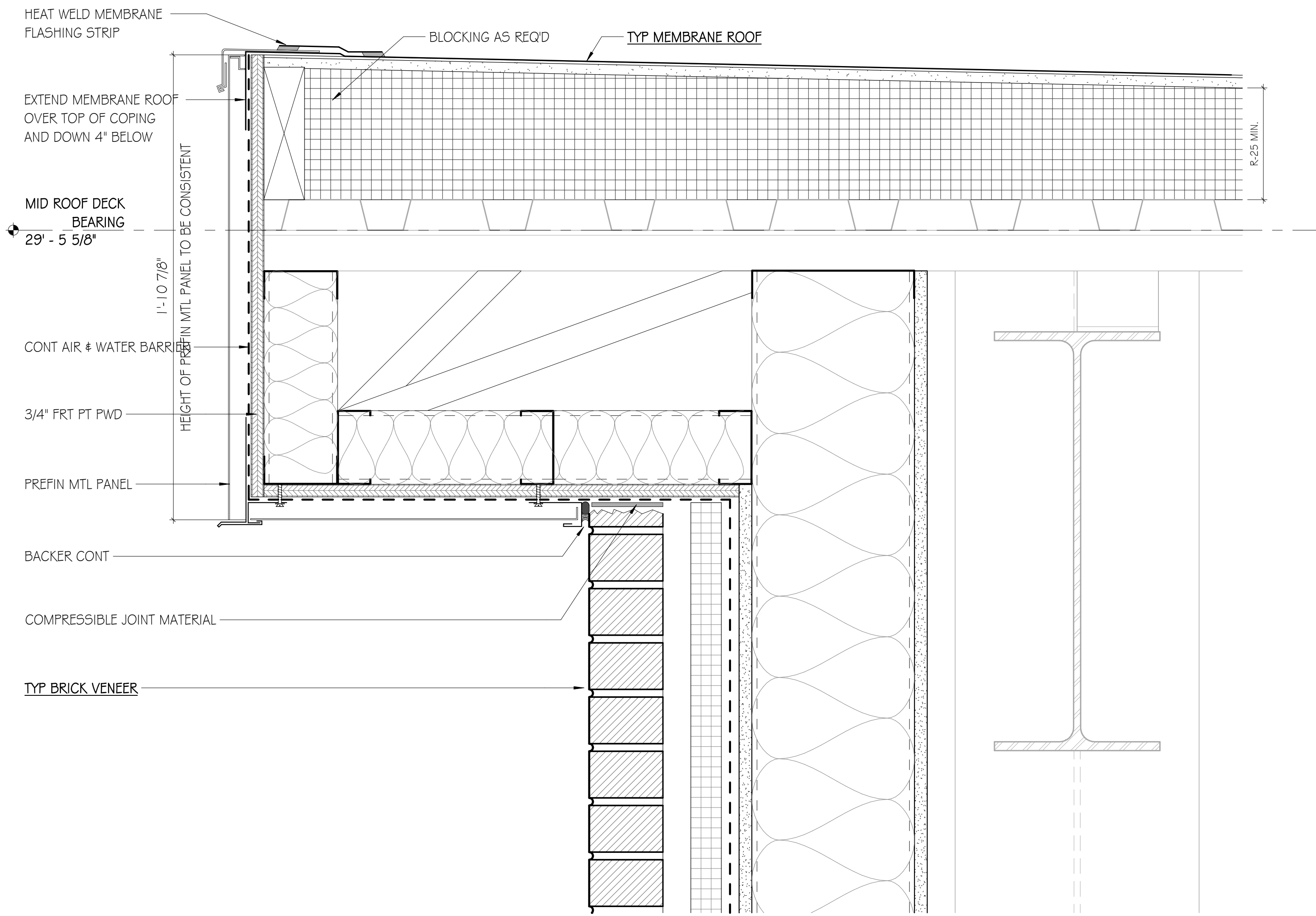
ROOF DETAILS
A3.02
GMC # ABHM230021

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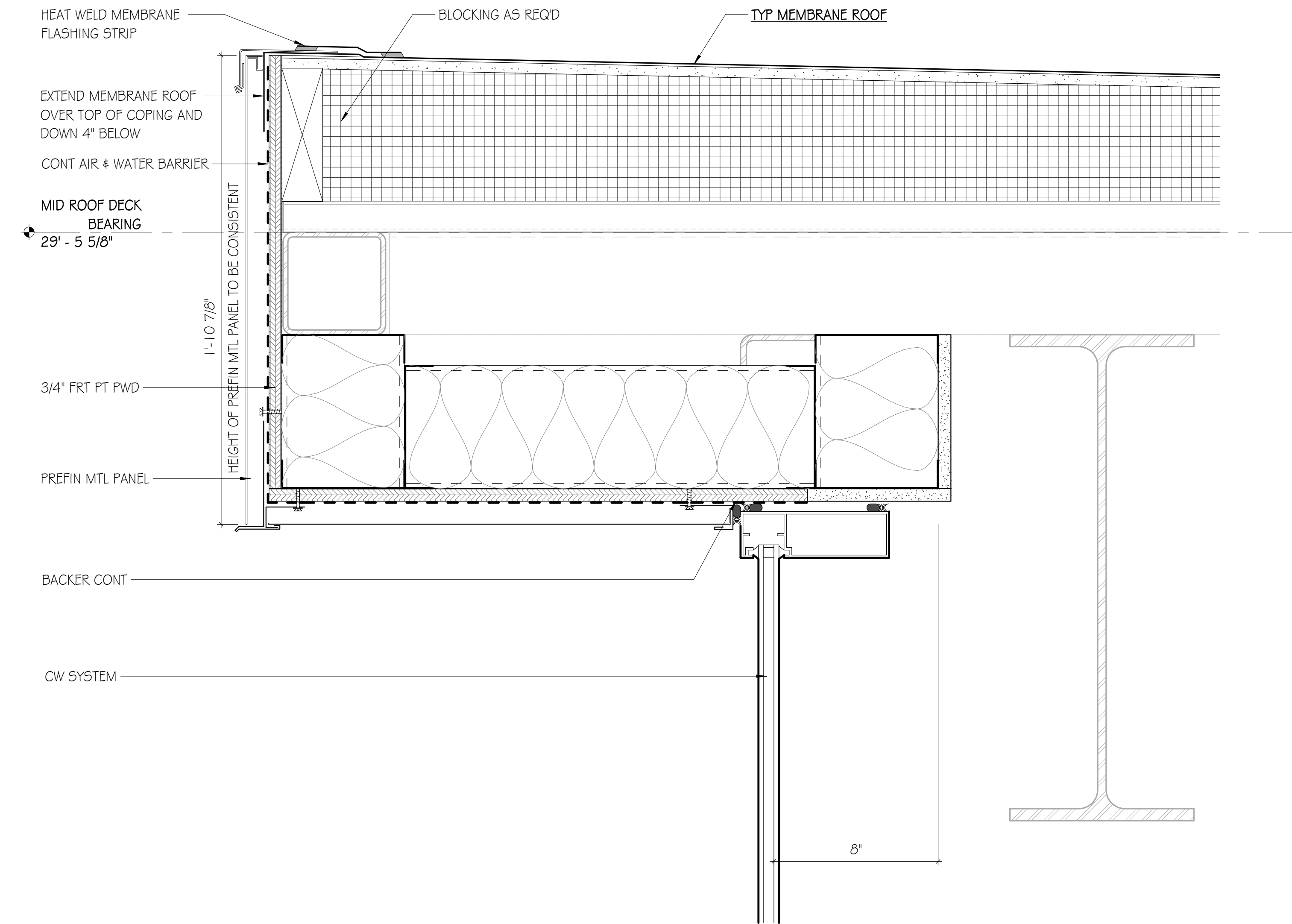
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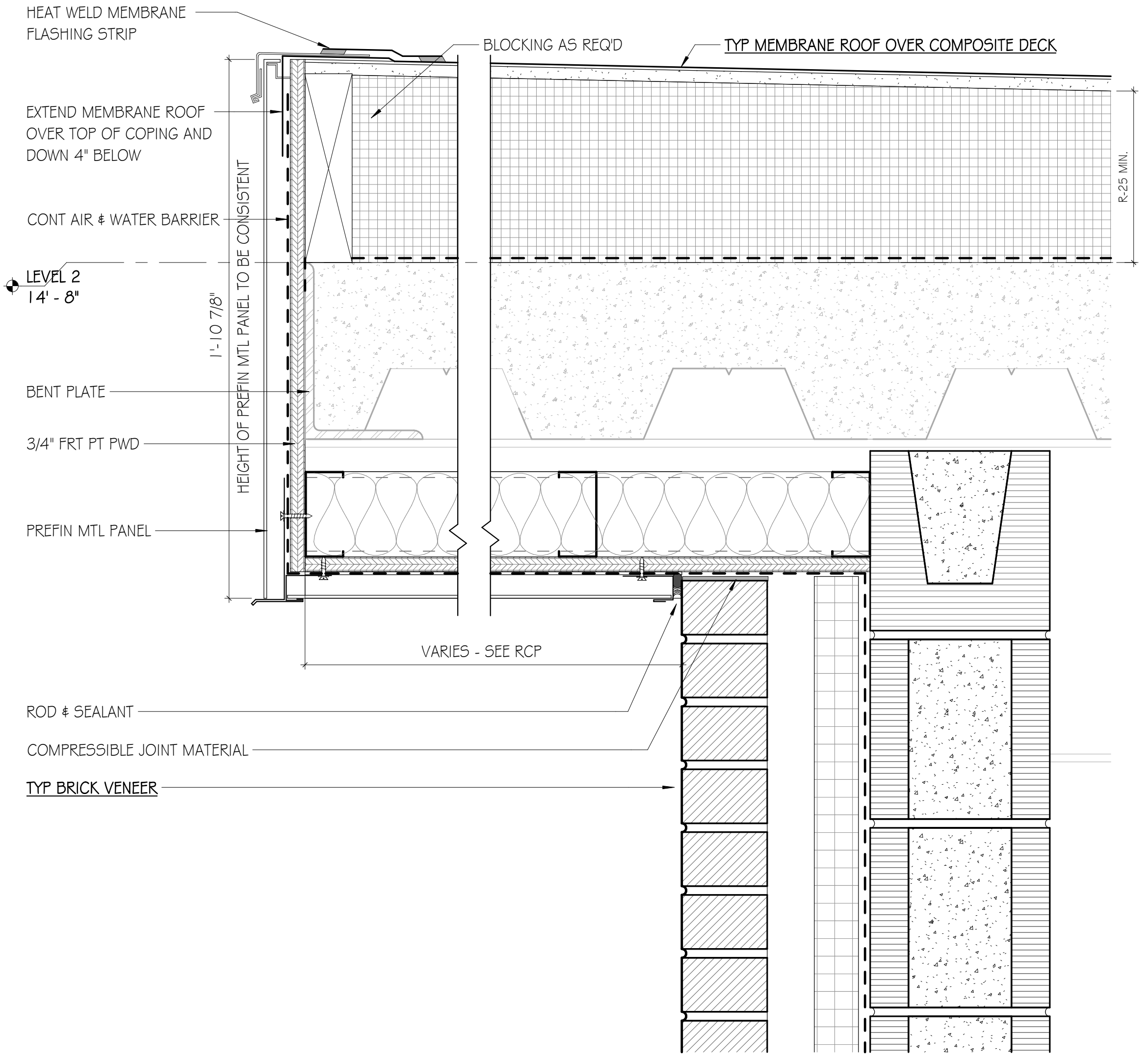
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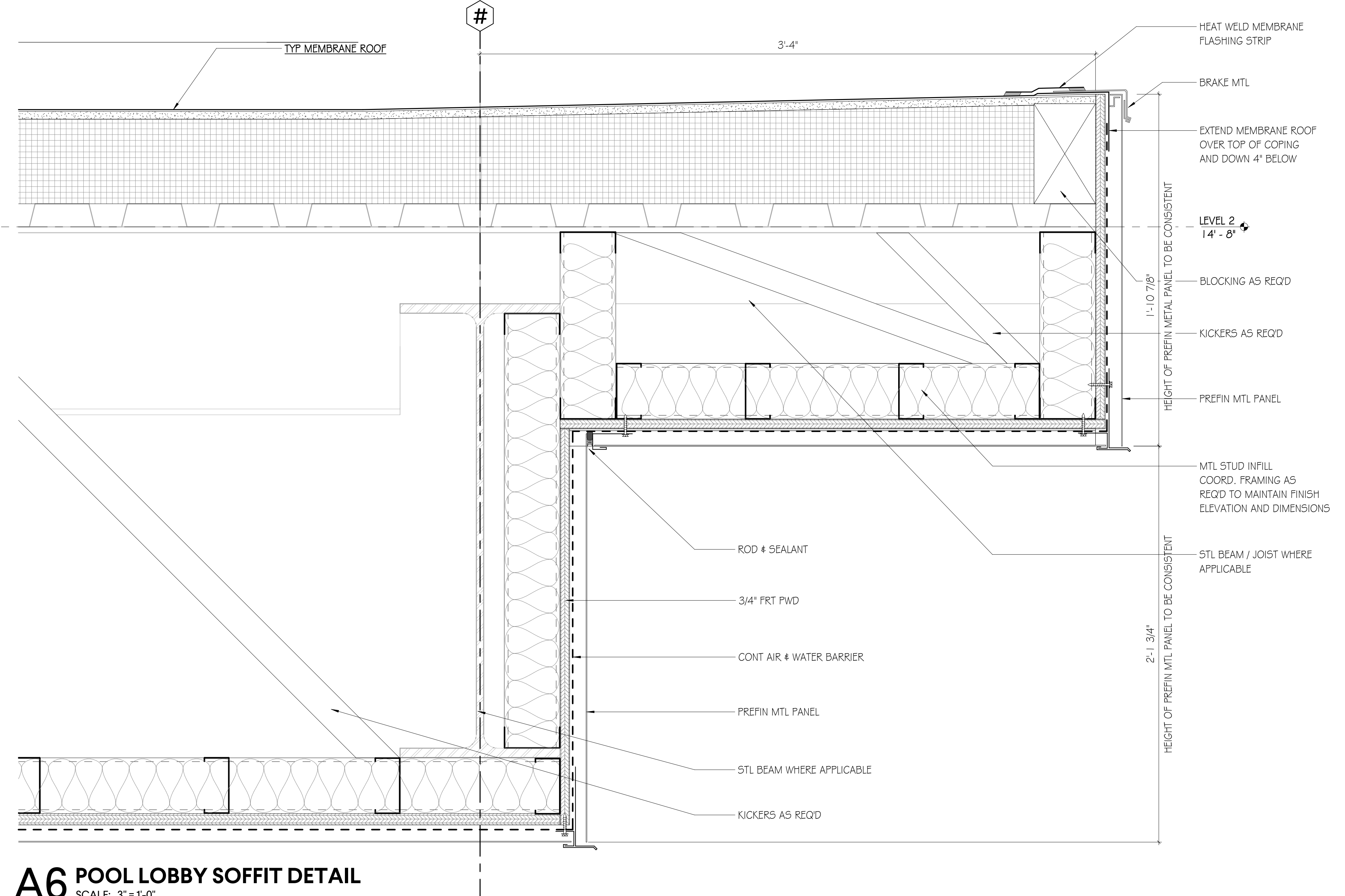
F1 ROOF TO BRICK ON DECKING
SCALE: 3"=1'-0"



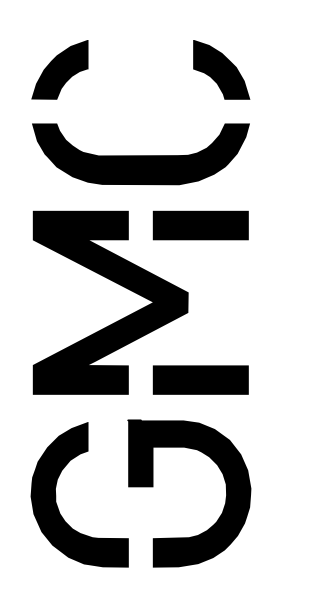
F7 ROOF TO CW @ MULTI PURPOSE
SCALE: 3"=1'-0"



A1 ROOF TO BRICK ON COMPOSITE DECK
SCALE: 3"=1'-0"



A6 POOL LOBBY SOFFIT DETAIL
SCALE: 3"=1'-0"



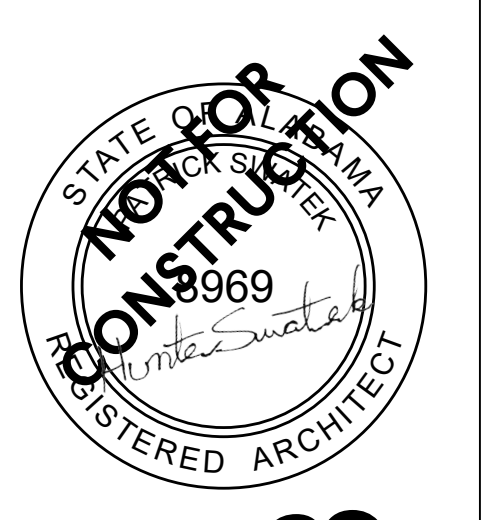
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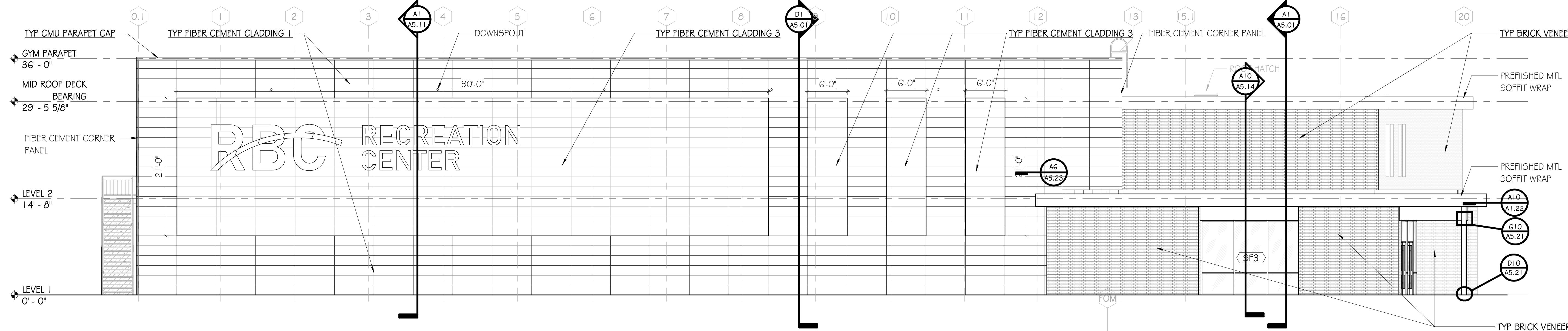
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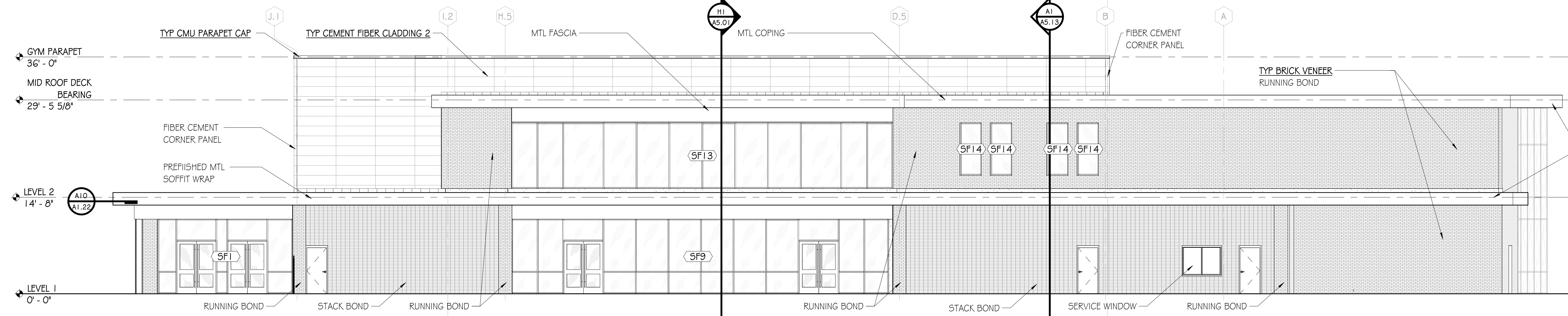
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sheet of

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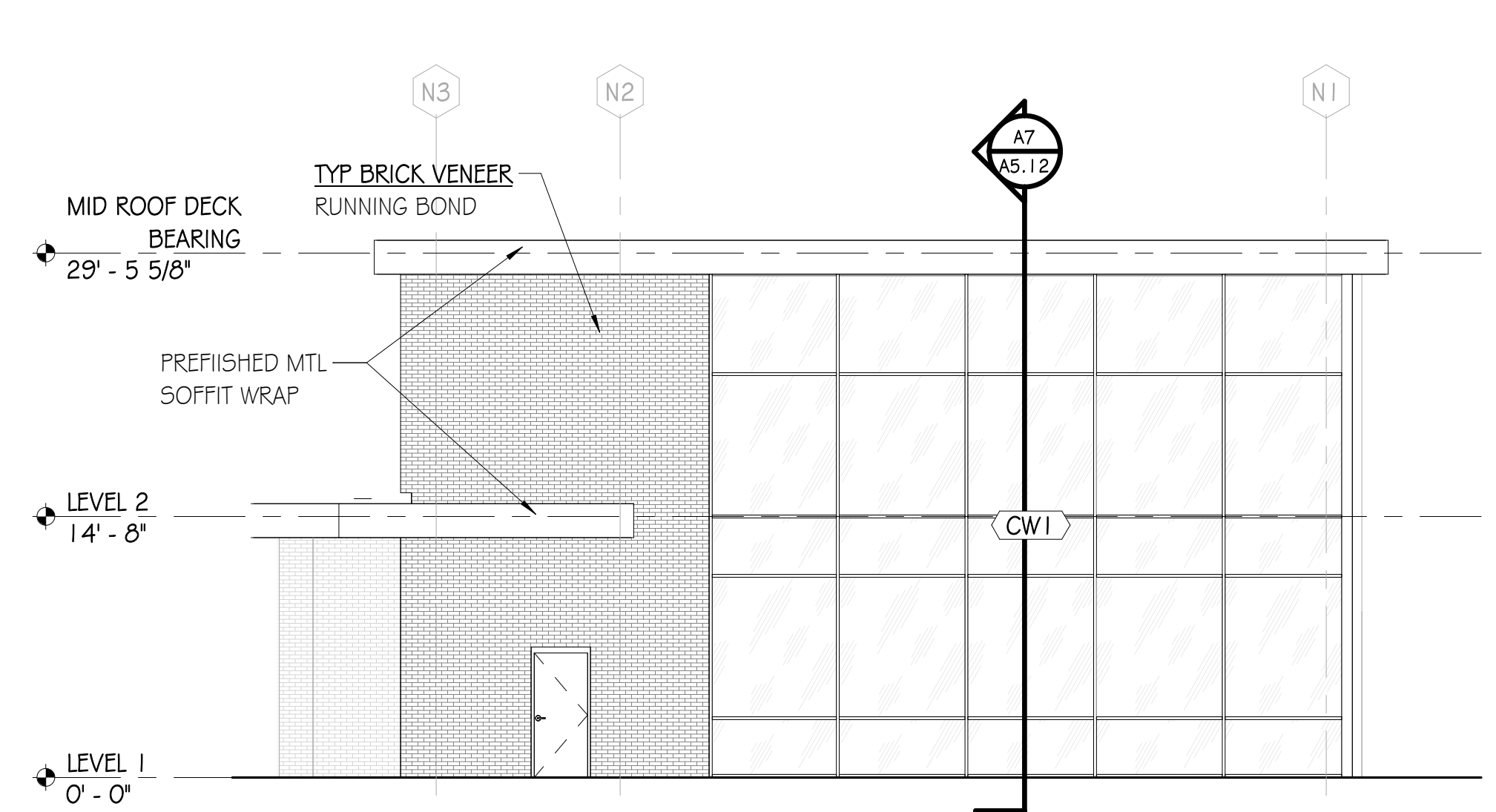
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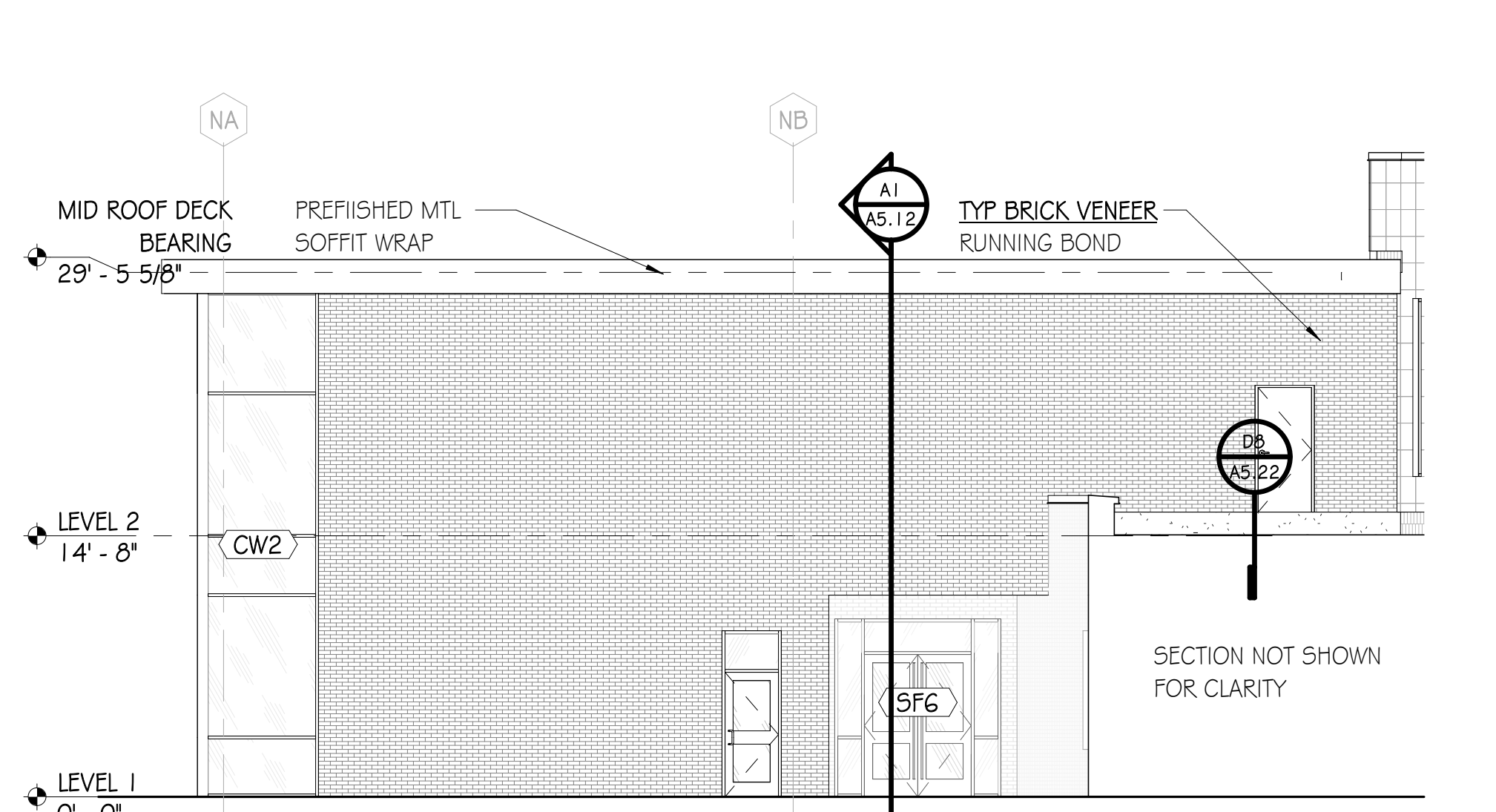
J1 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



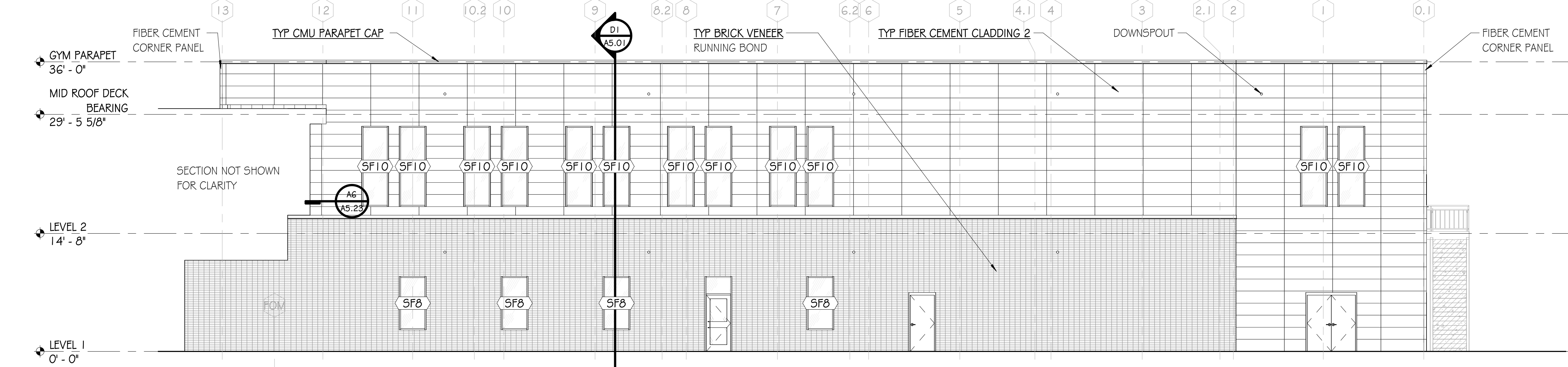
F1 EAST ELEVATION
SCALE: 1/8" = 1'-0"



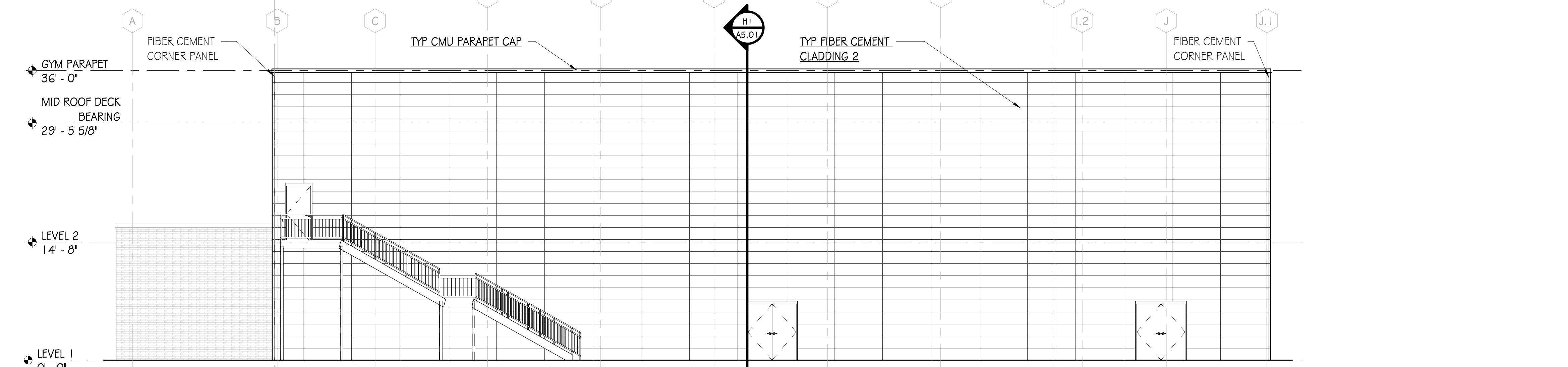
D1 NORTH ELEVATION - MULTI-PURPOSE
SCALE: 1/8" = 1'-0"



A1 WEST ELEVATION - MULTI-PURPOSE
SCALE: 1/8" = 1'-0"



D5 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



A5 WEST ELEVATION
SCALE: 1/8" = 1'-0"

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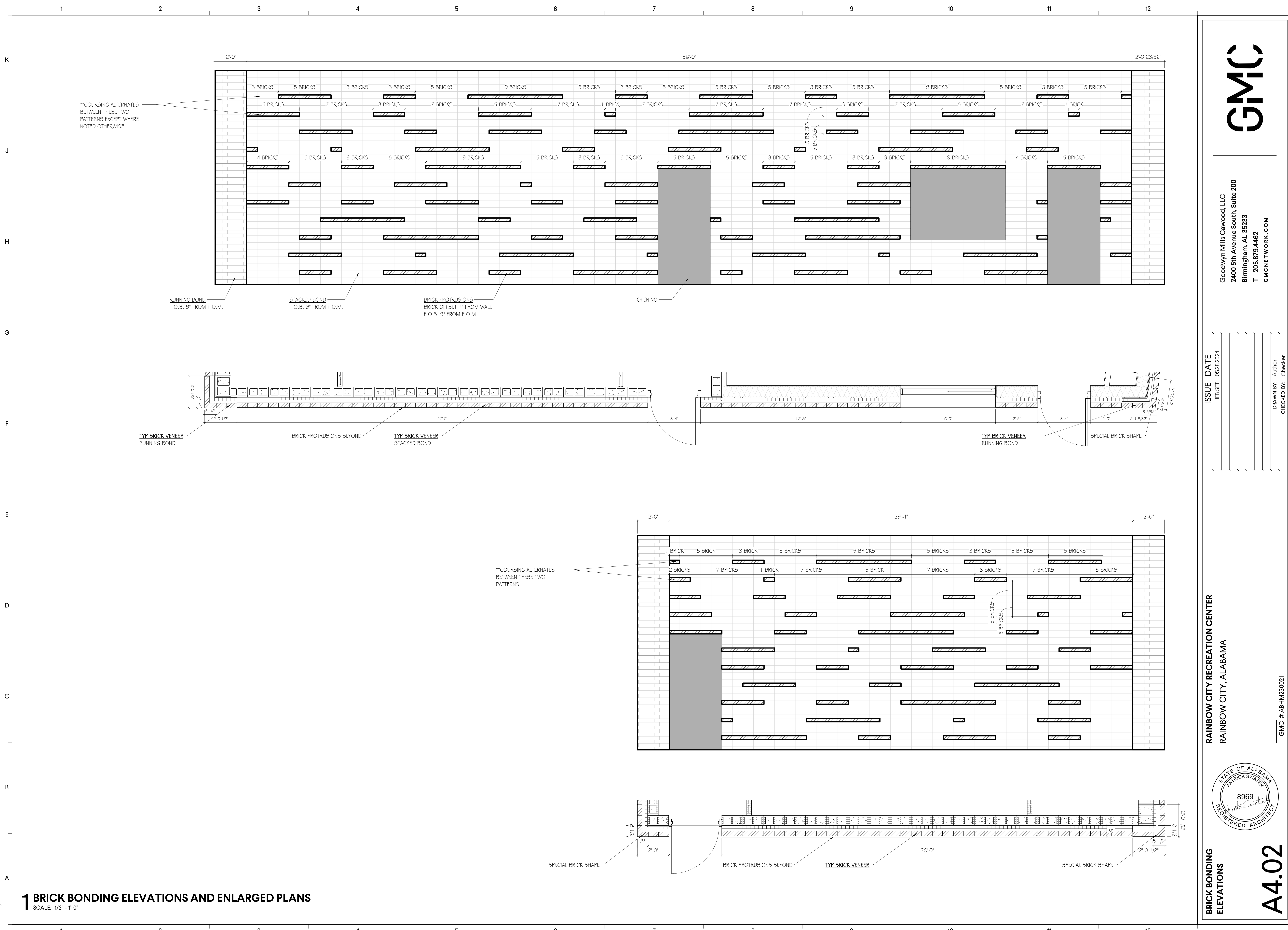
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EXTERIOR ELEVATIONS

STATE OF ALABAMA
PATRICK SHATKER
8969
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A4.01

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**COURSING ALTERNATES BETWEEN THESE TWO PATTERNS EXCEPT WHERE NOTED OTHERWISE

RUNNING BOND
F.O.B. 9" FROM F.O.M.

STACKED BOND
F.O.B. 8" FROM F.O.M.

BRICK PROTRUSIONS
BRICK OFFSET 1" FROM WALL
F.O.B. 9" FROM F.O.M.

OPENING

TYP. BRICK VENEER
RUNNING BOND

BRICK PROTRUSIONS BEYOND

TYP. BRICK VENEER
STACKED BOND

TYP. BRICK VENEER
RUNNING BOND

SPECIAL BRICK SHAPE

**COURSING ALTERNATES BETWEEN THESE TWO PATTERNS

SPECIAL BRICK SHAPE

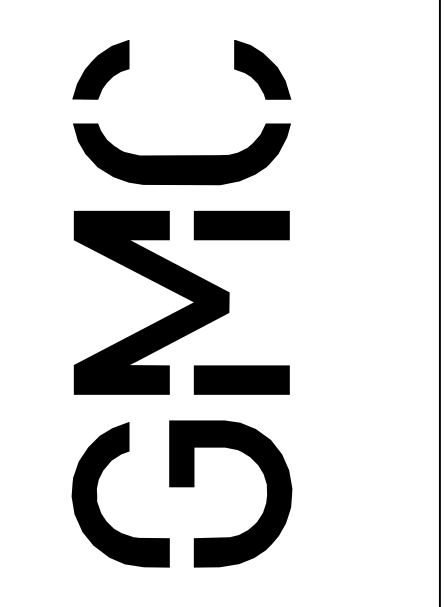
BRICK PROTRUSIONS BEYOND

TYP. BRICK VENEER

SPECIAL BRICK SHAPE

1 BRICK BONDING ELEVATIONS AND ENLARGED PLANS

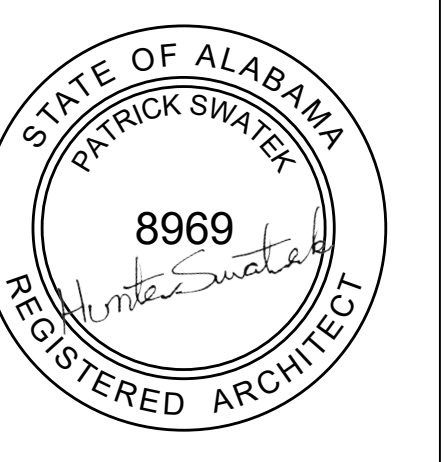
SCALE: 1/2" = 1'-0"



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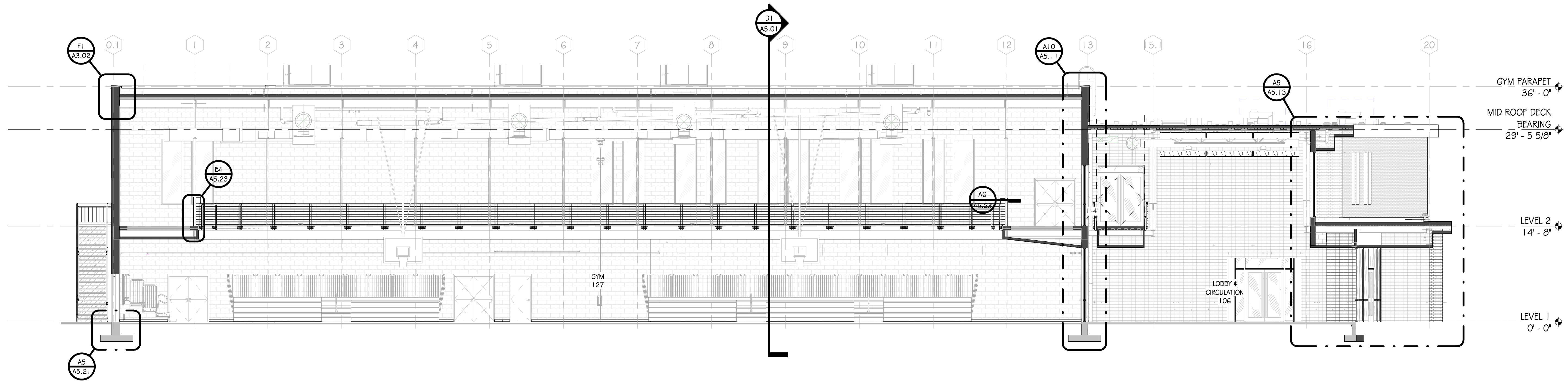
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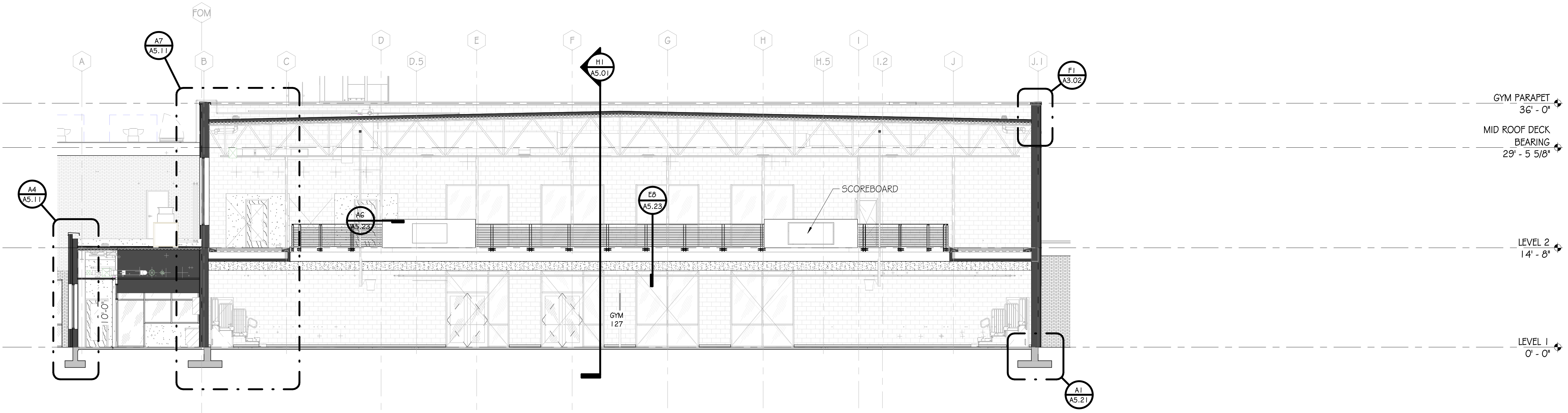


BRICK BONDING ELEVATIONS
A4.02

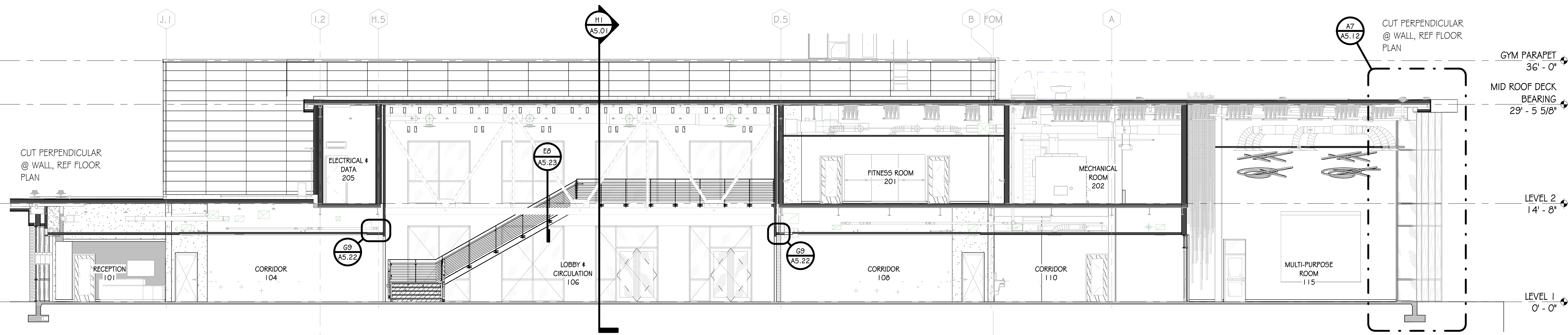
GMC # ABHM230021



H1 BUILDING - CENTRAL GYM
SCALE: 1/8" = 1'-0"



D1 BUILDING - GYM TRANSVERSAL
SCALE: 1/8" = 1'-0"



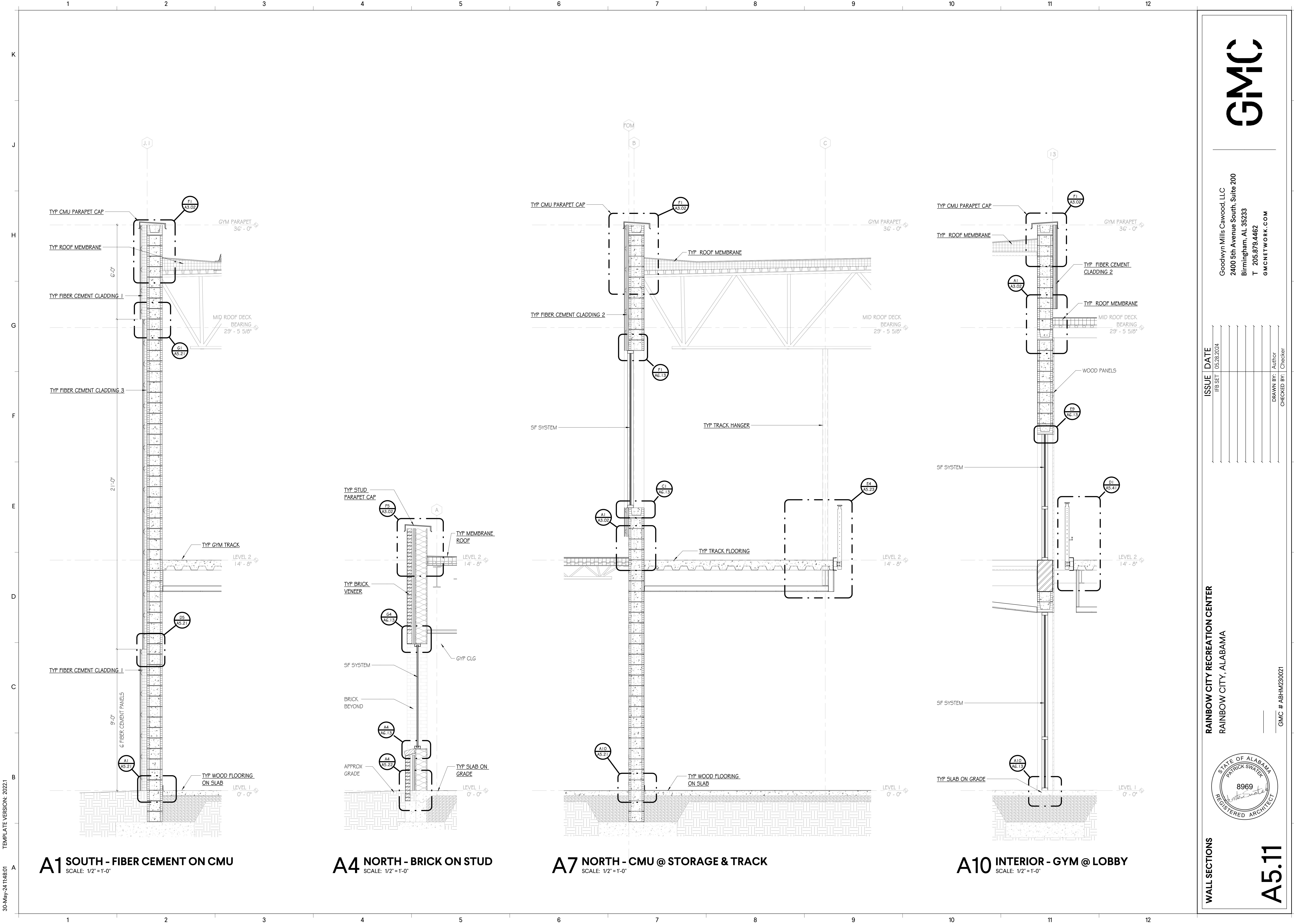
A1 BUILDING - LOBBY & MULTI PURPOSE
SCALE: 1/8" = 1'-0"

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A1 SOUTH - FIBER CEMENT ON CMU
SCALE: 1/2"=1'-0"

A4 NORTH - BRICK ON STUD
SCALE: 1/2"=1'-0"

A7 NORTH - CMU @ STORAGE & TRACK
SCALE: 1/2"=1'-0"

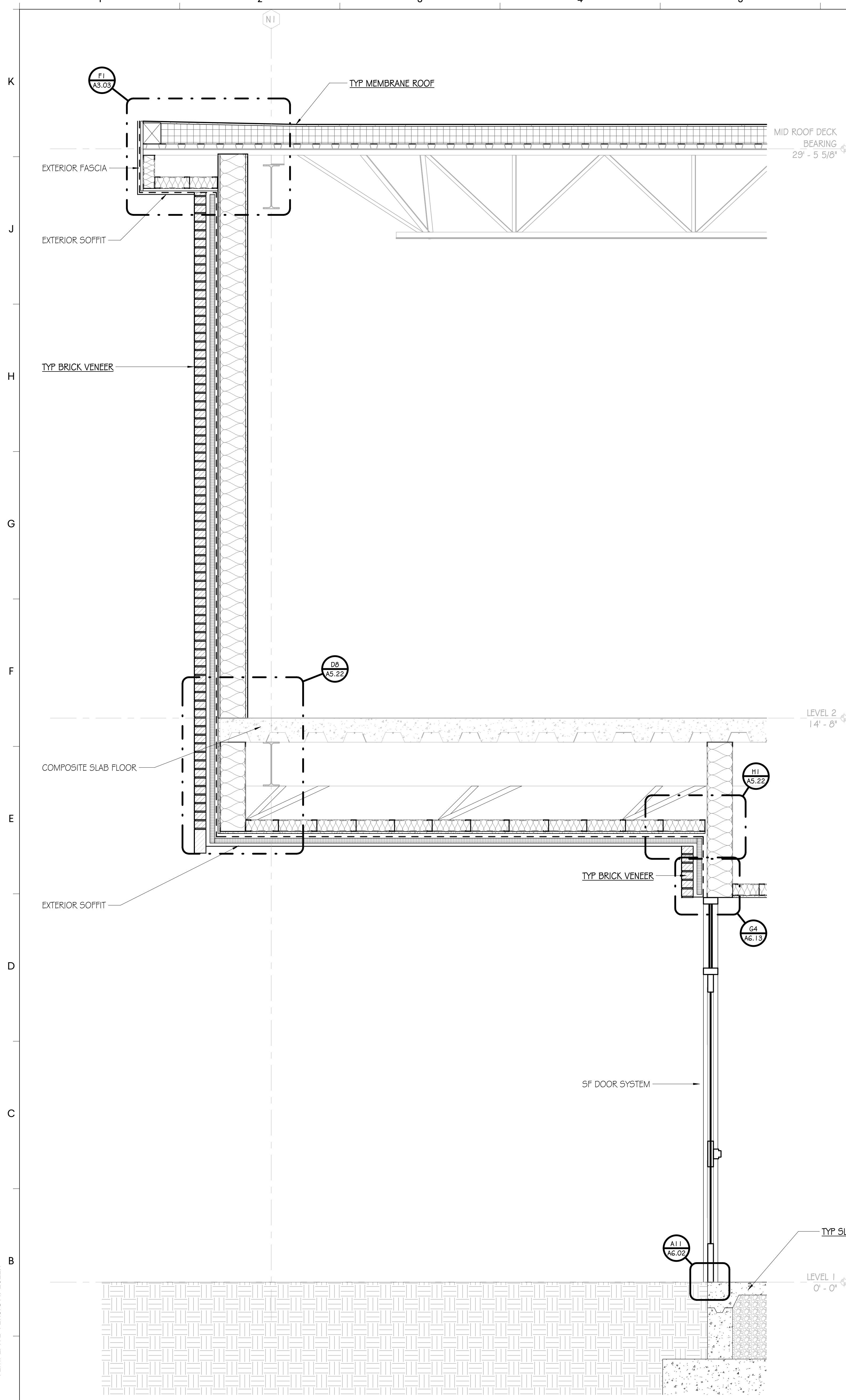
A10 INTERIOR - GYM @ LOBBY
SCALE: 1/2"=1'-0"

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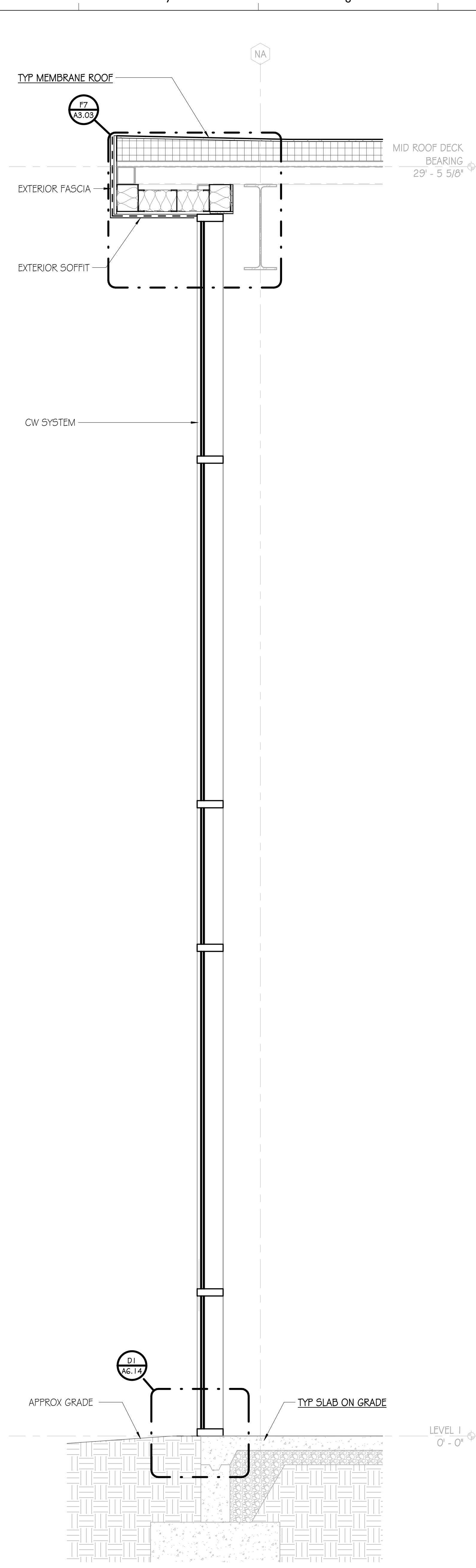
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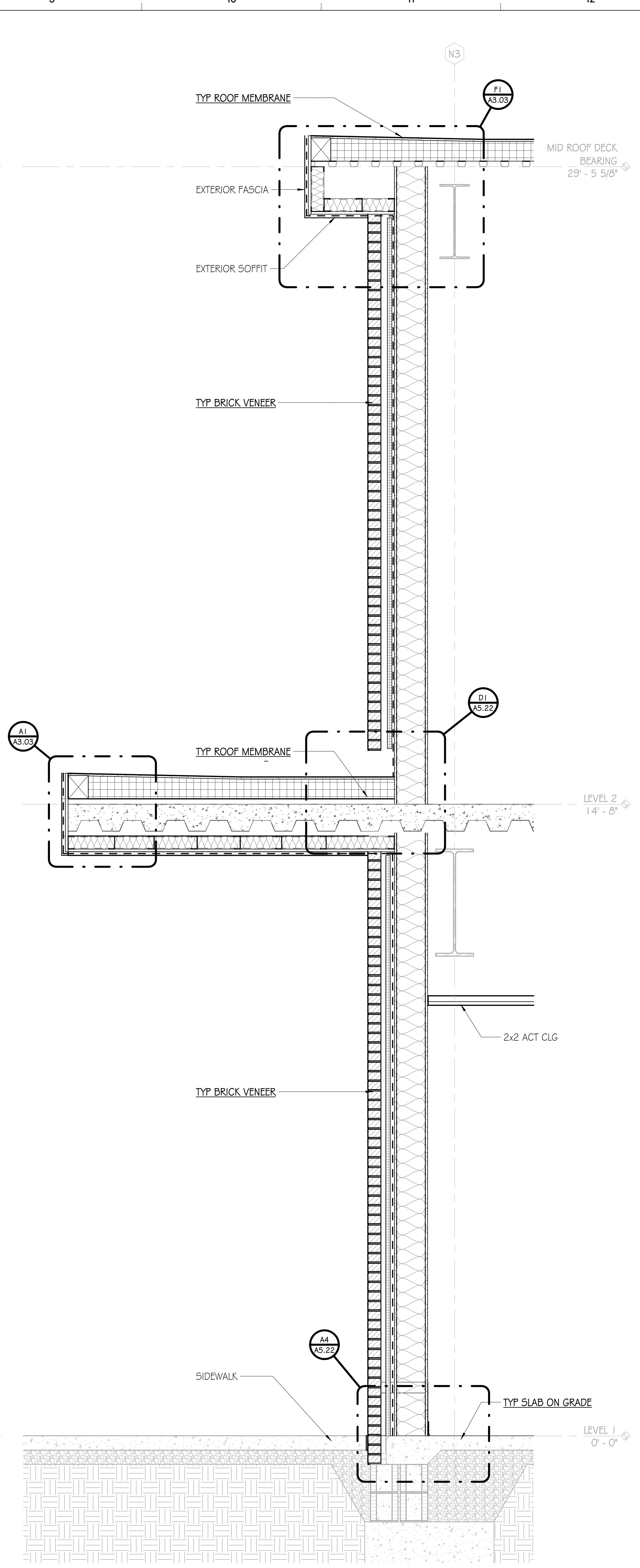
30-May-24 11:48:03 TEMPLATE VERSION: 2023.1



A1 ENTRY @ VESTIBULE
SCALE: 3/4"=1'-0"



A7 CURTAIN WALL @ MULTI PURPOSE
SCALE: 3/4"=1'-0"



A10 BRICK STUD @ CATERING KITCHEN
SCALE: 3/4"=1'-0"

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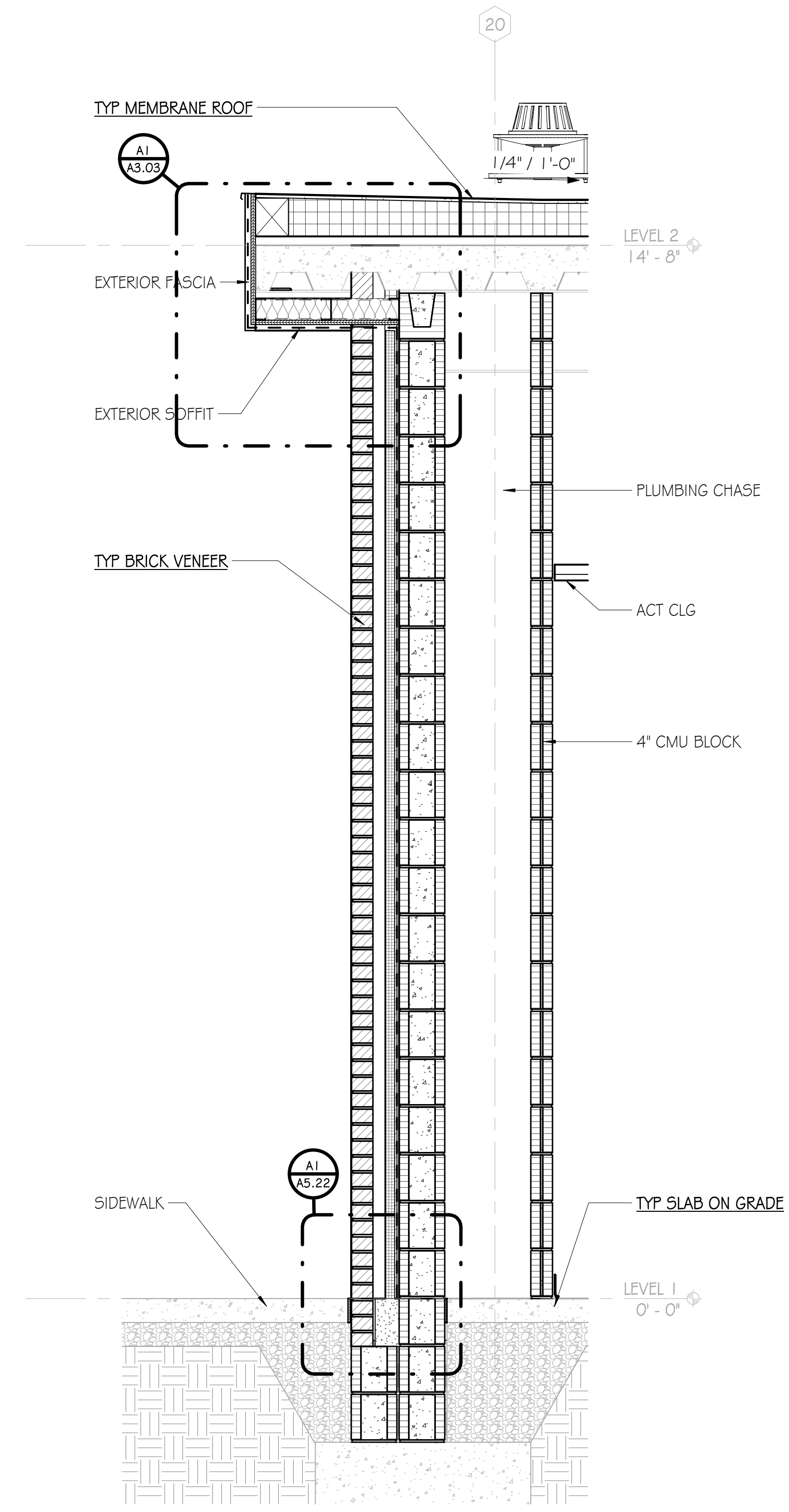
STATE OF ALABAMA
PATRICK SHAWDER
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REGISTERED ARCHITECT

GMC # ABHM230021

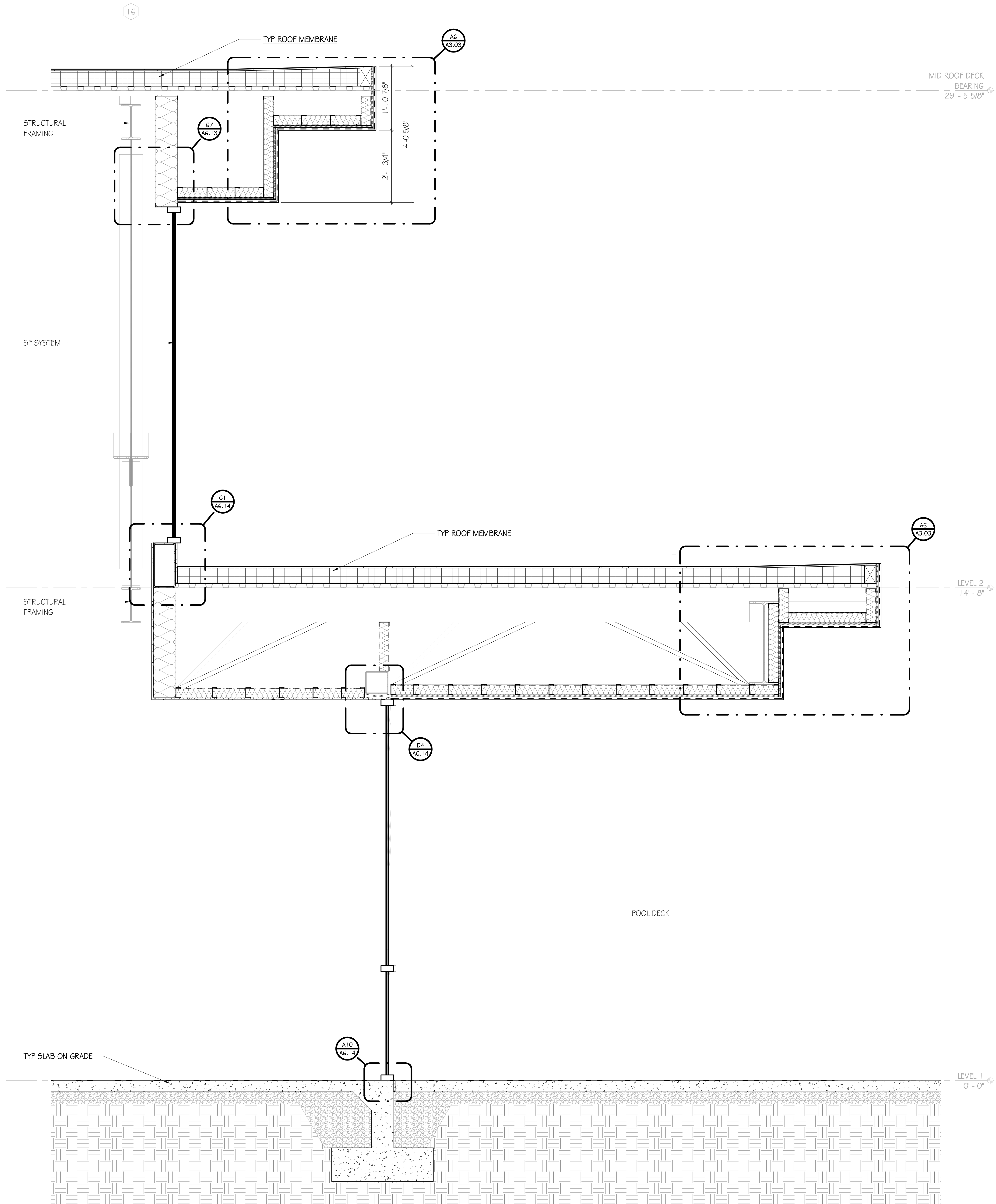
A5.12

WALL SECTIONS

30-May-24 11:48:05 TEMPLATE VERSION: 2022.1



A1 BRICK ON CMU @ LOCKER ROOM
SCALE: 3/4"=1'-0"



A5 EAST - SF ON STUD @ POOL
SCALE: 3/4"=1'-0"

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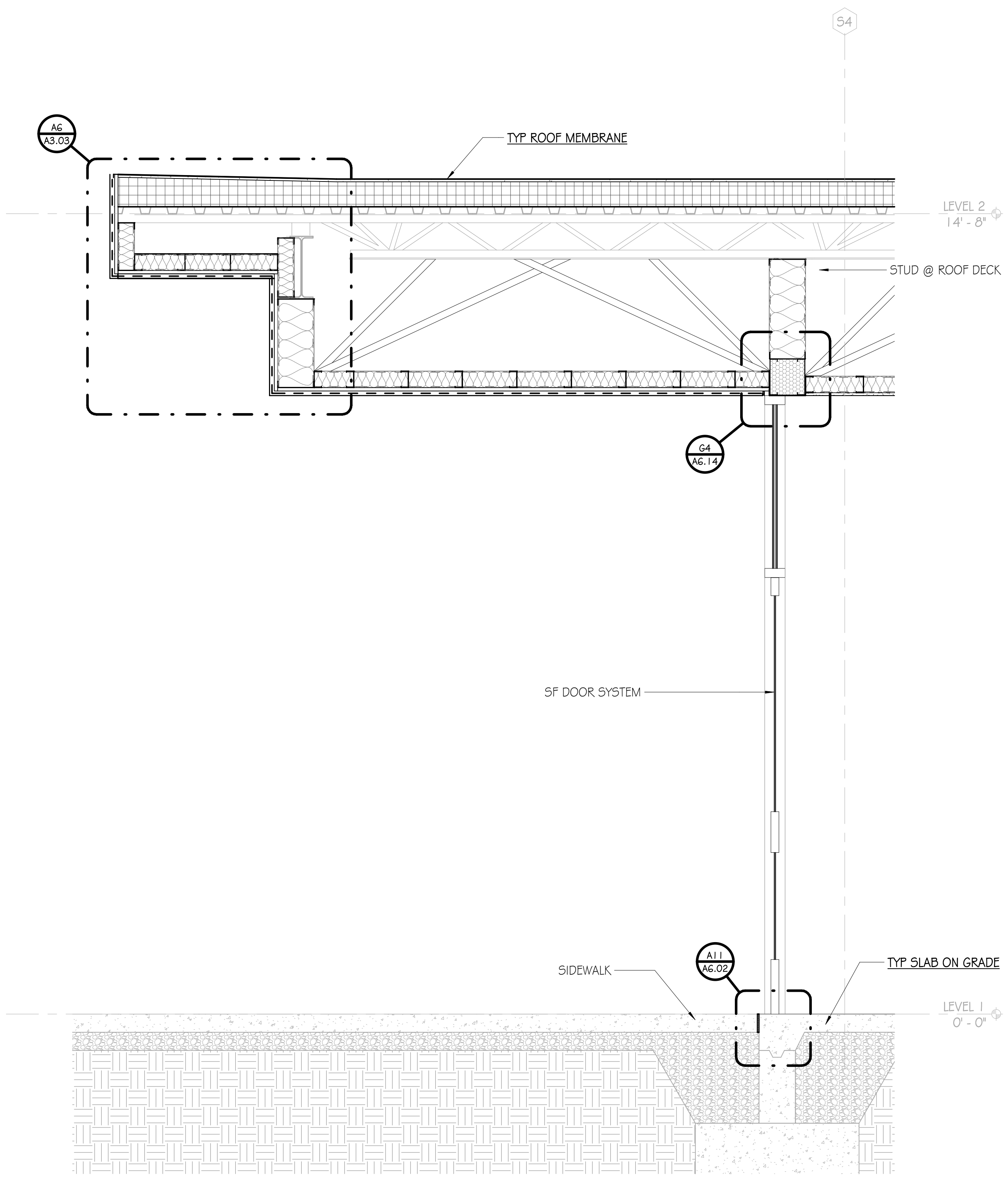
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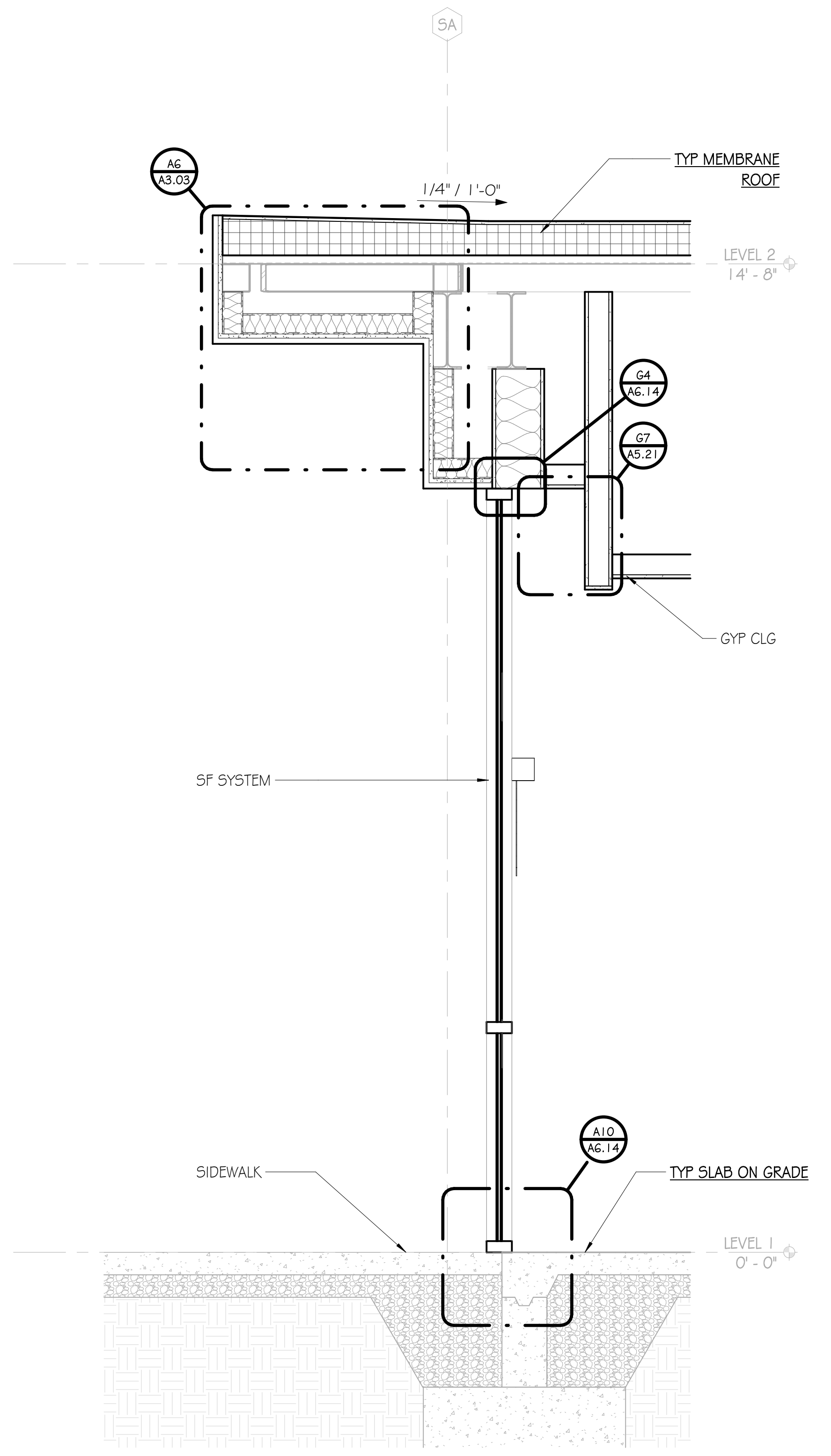
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A5.13

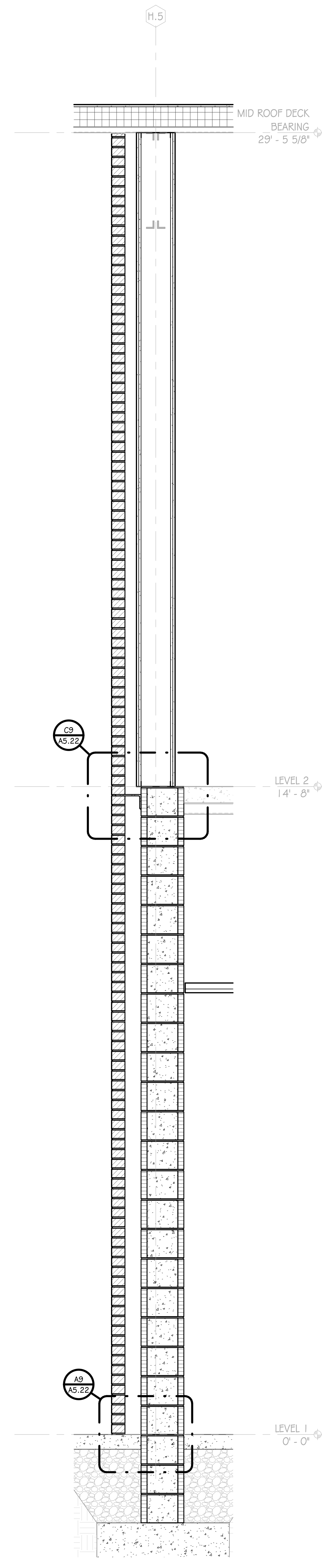
30-May-24 11:48:06 TEMPLATE VERSION: 2022.1



A1 STOREFRONT @ ENTRY VESTIBULE
SCALE: 3/4" = 1'-0"



A7 STOREFRONT @ ENTRY CORRIDOR
SCALE: 3/4" = 1'-0"



A10 INTERIOR BRICK WALL
SCALE: 3/4" = 1'-0"

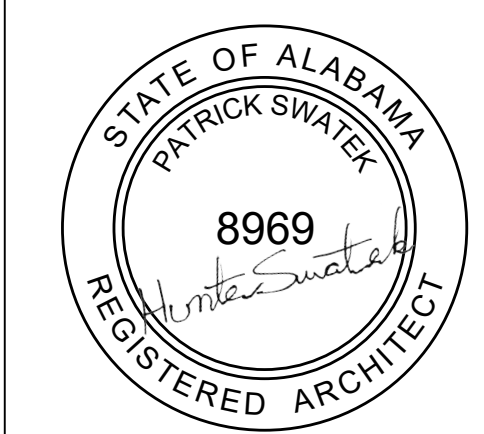
WALL SECTIONS

RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA

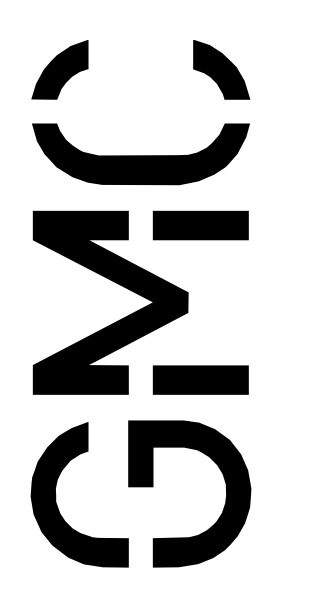
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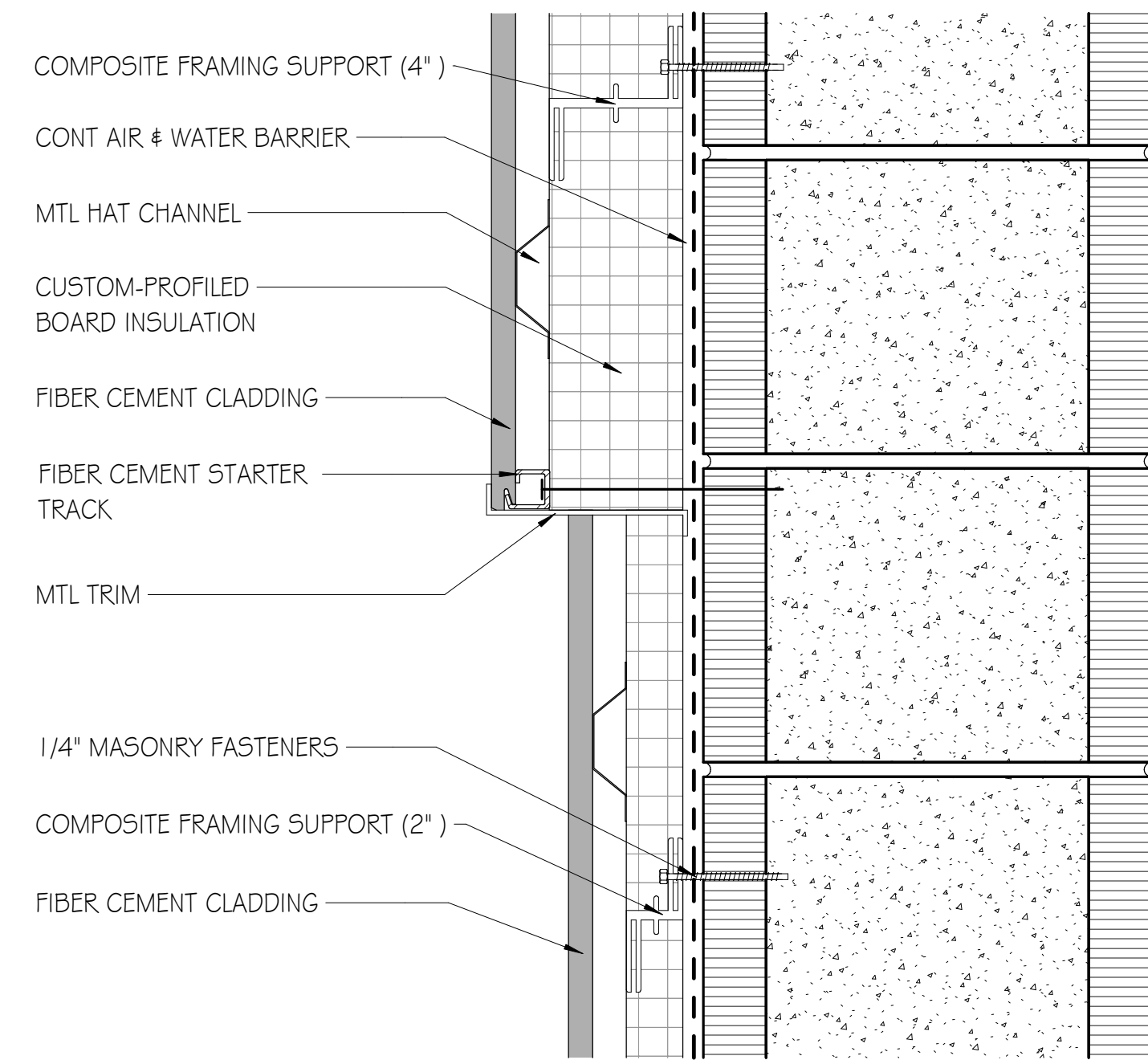


A5.14

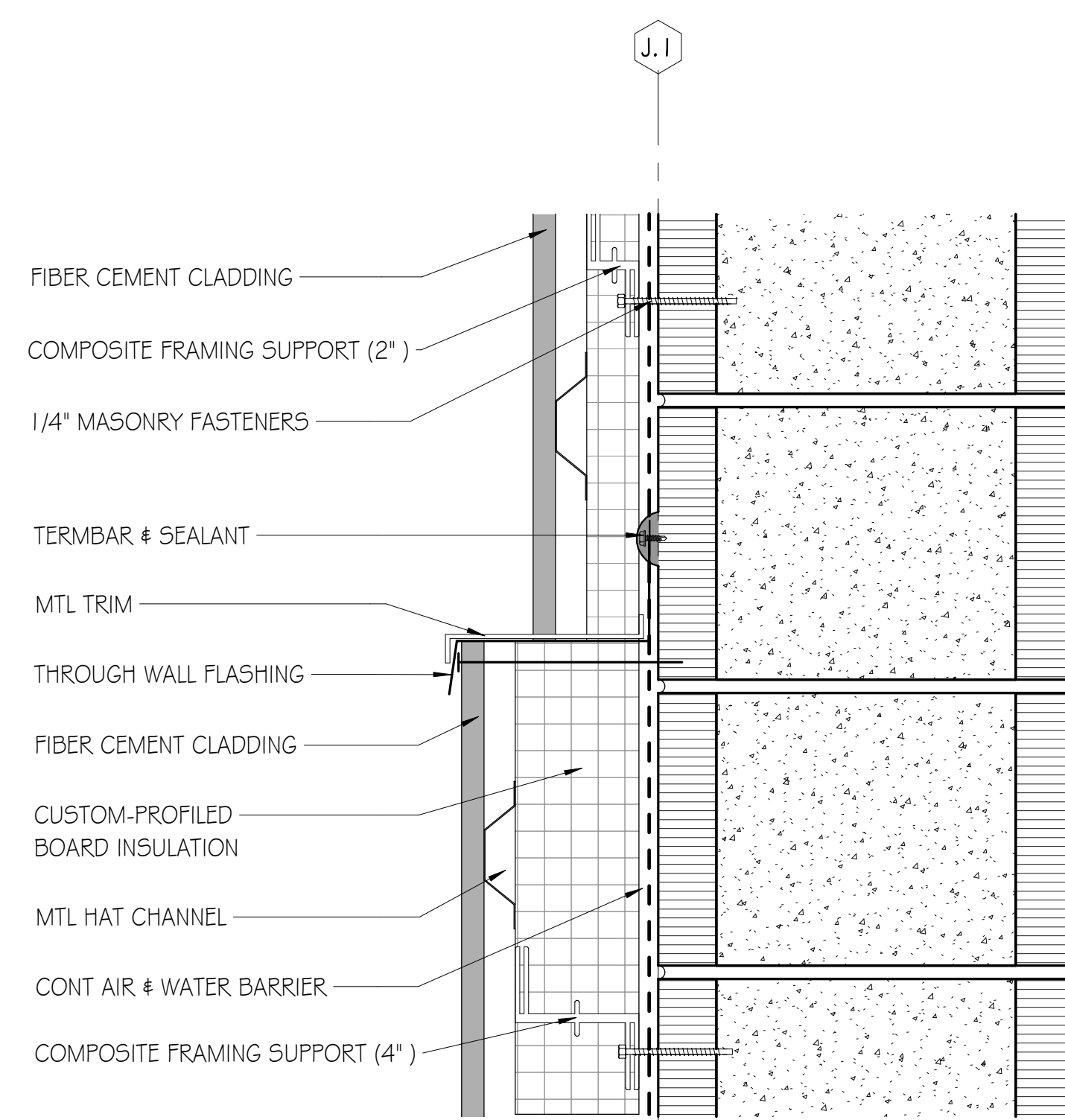


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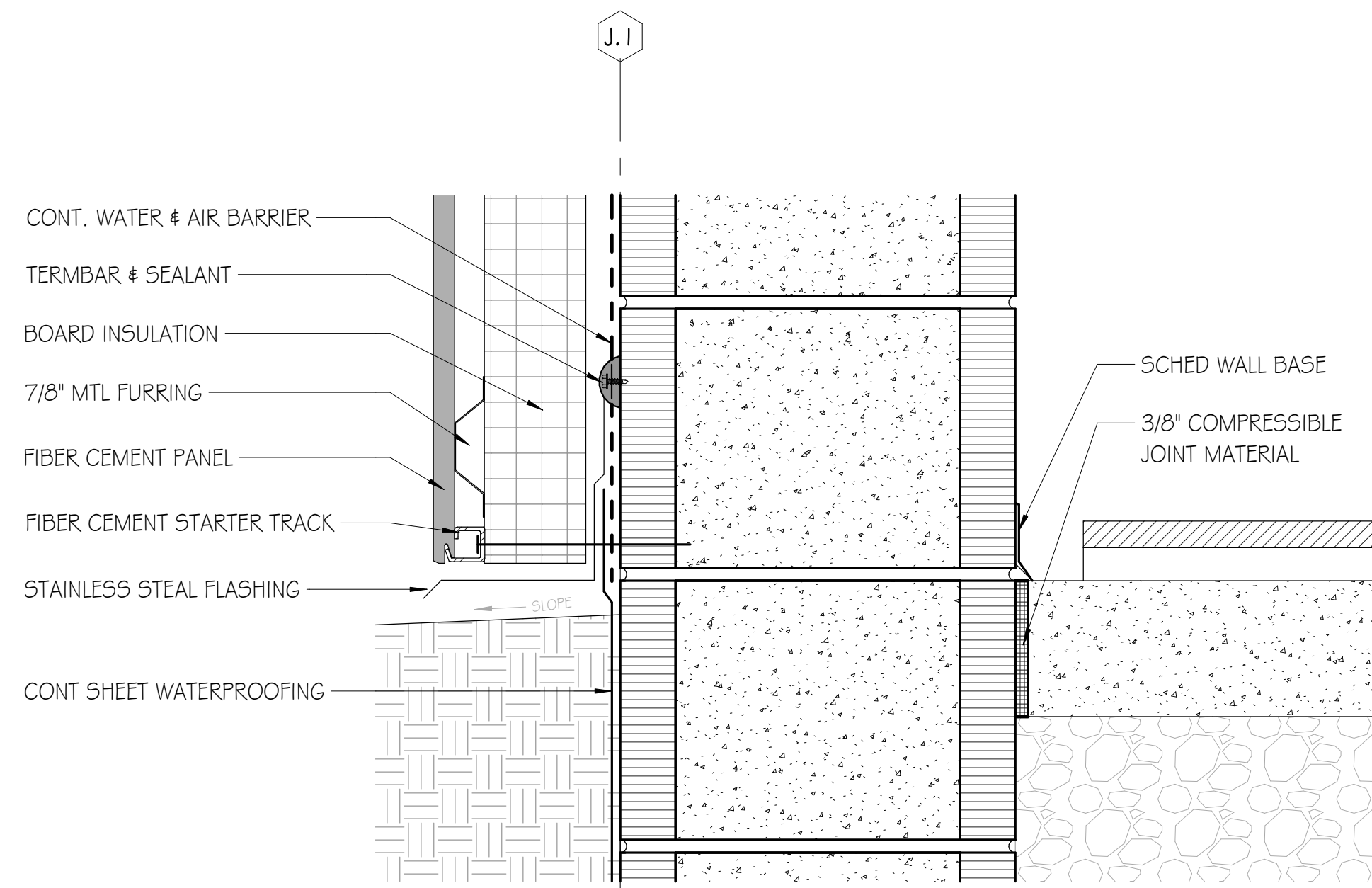
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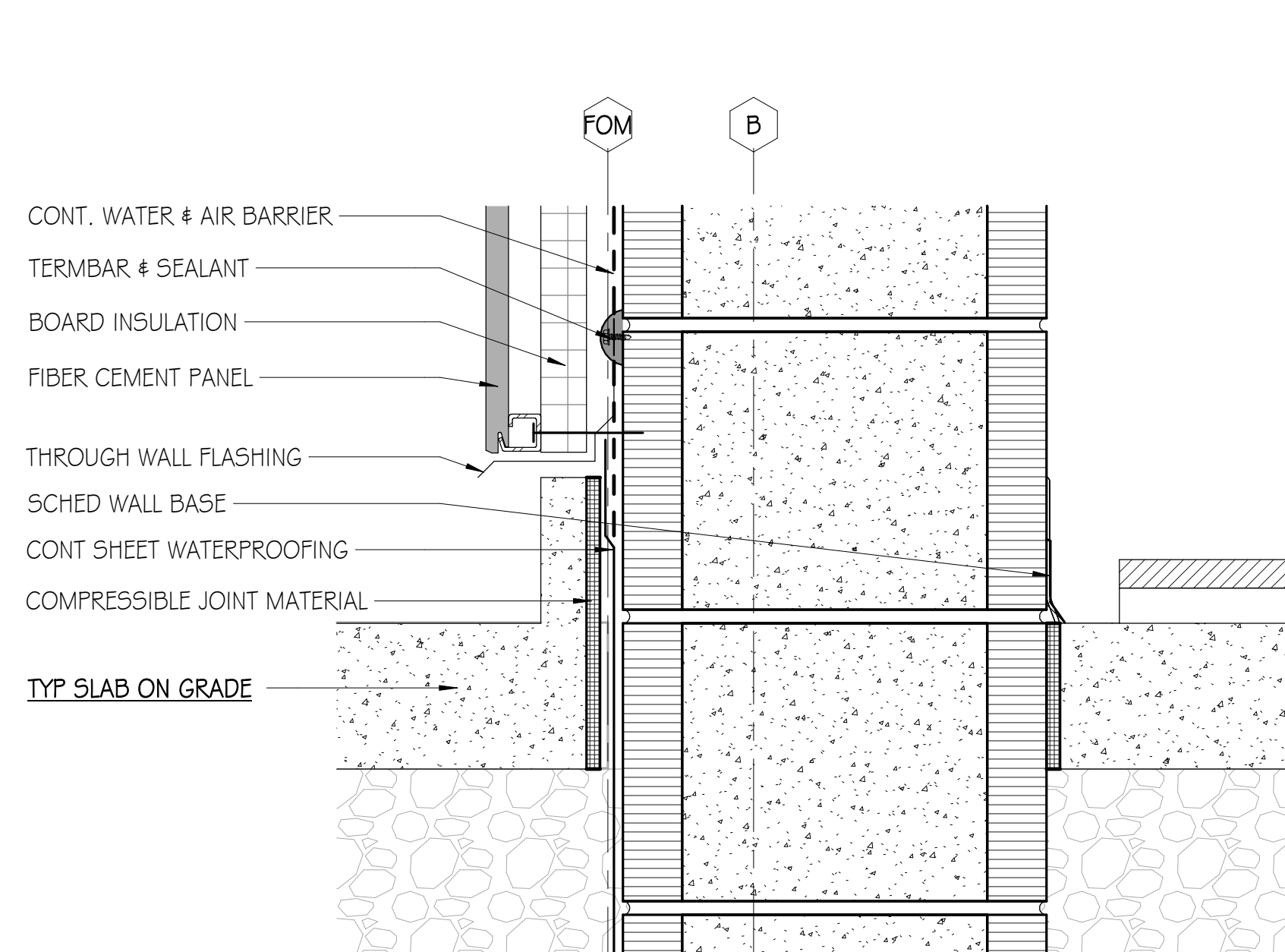
G1 CEMENT FIBER W/ GREENGIRT
SCALE: 3"=1'-0"



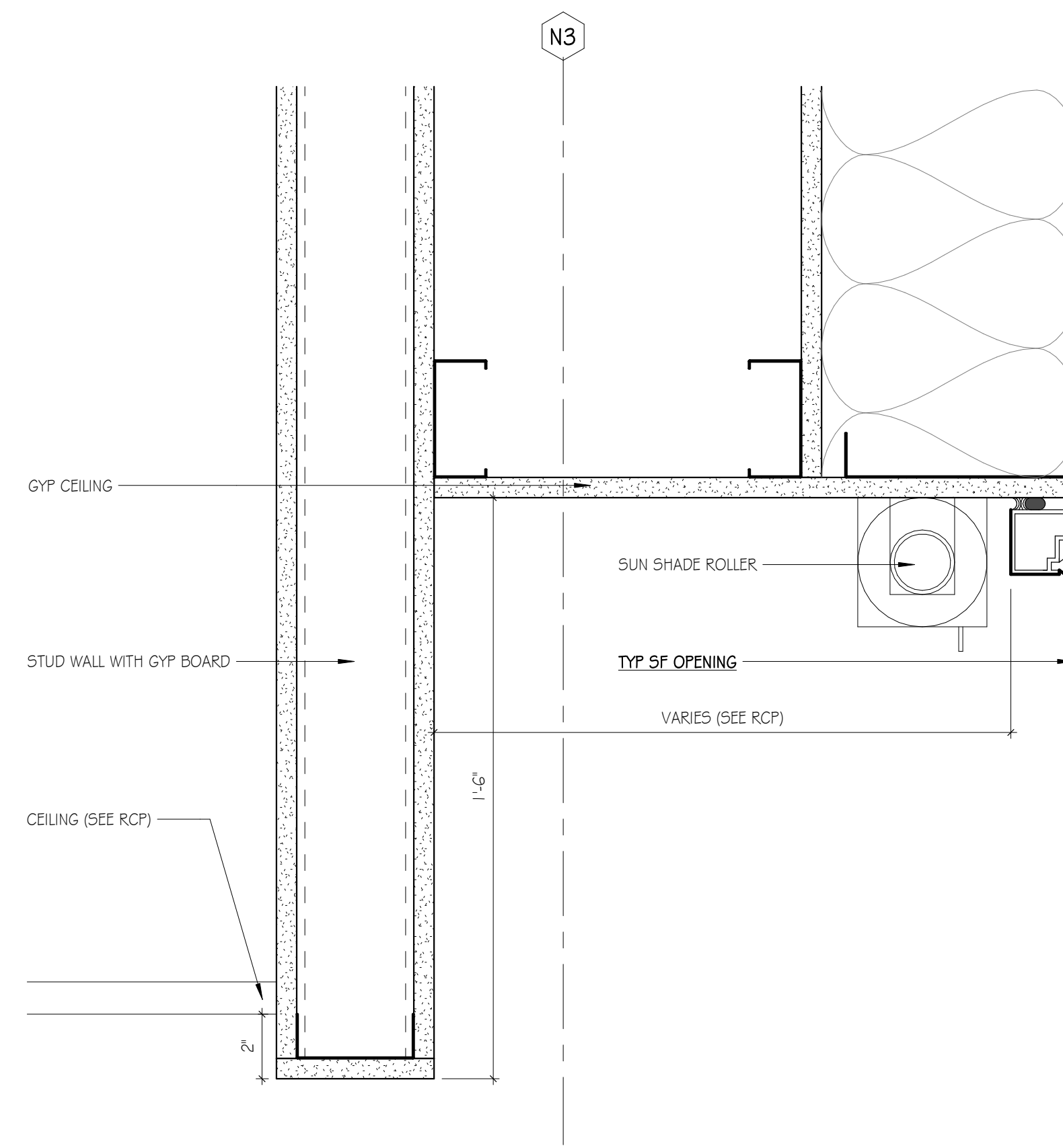
D5 CEMENT FIBER W/GIRT
SCALE: 3"=1'-0"



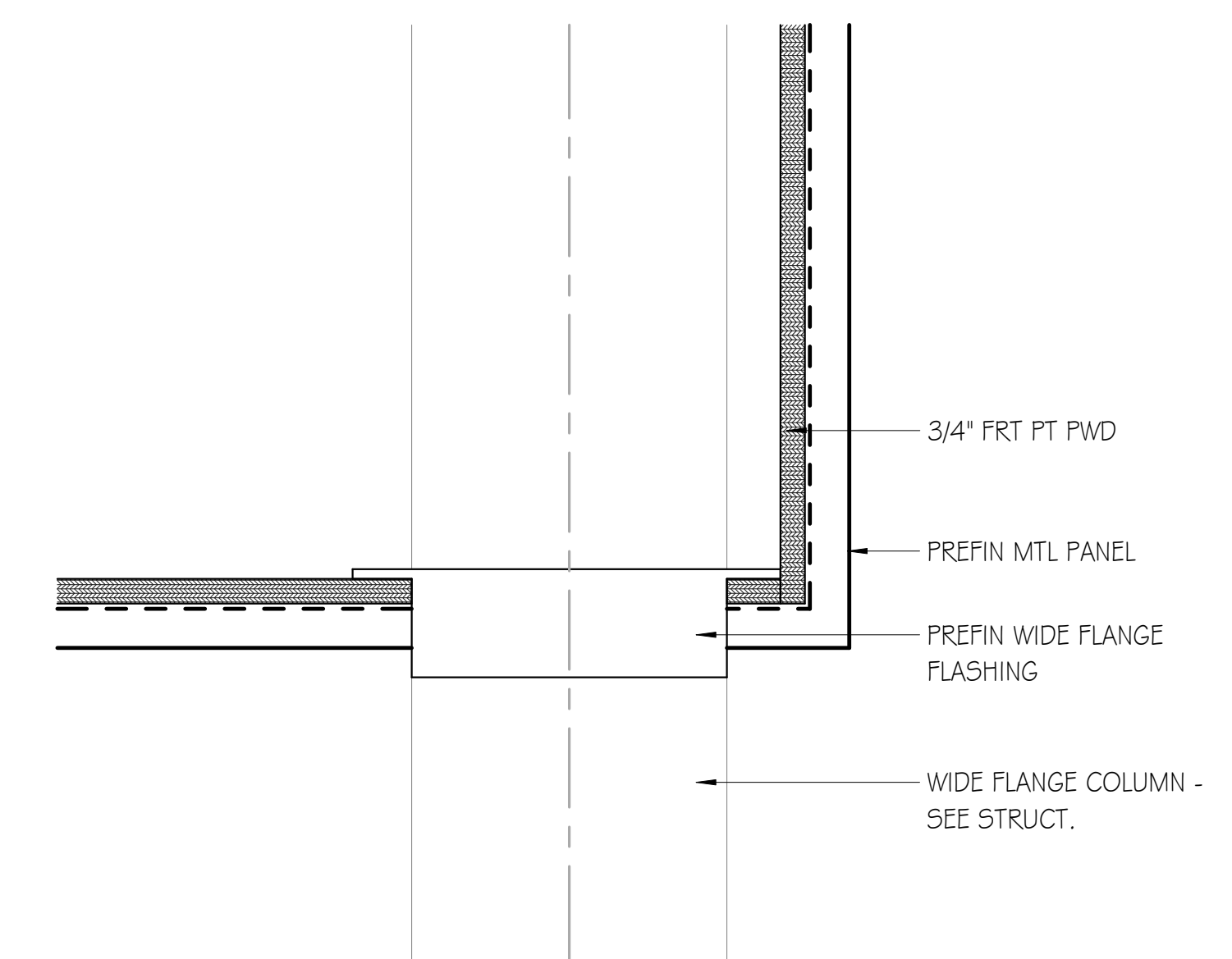
A1 FIBER CEMENT TO GROUND
SCALE: 3"=1'-0"



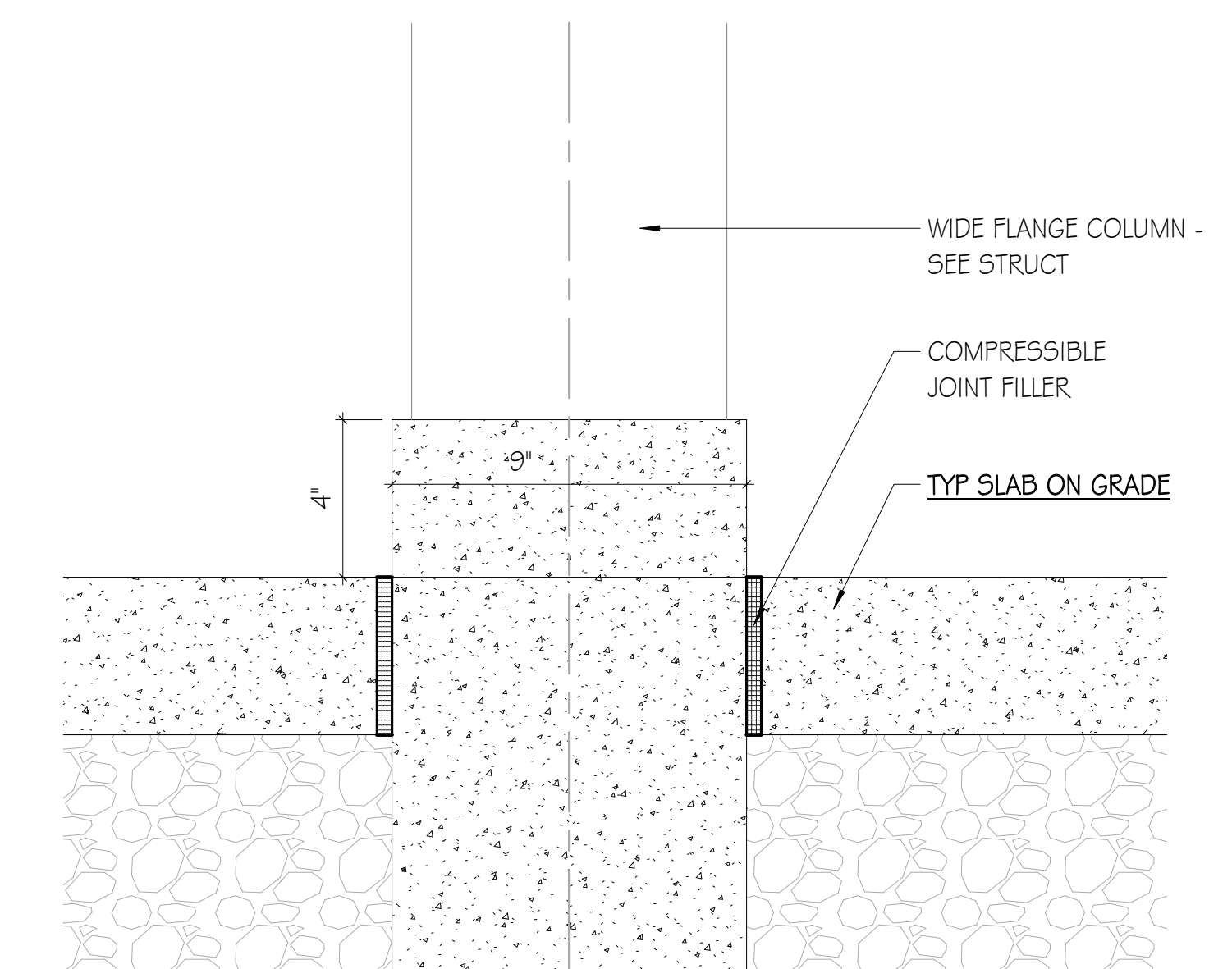
A5 FIBER CEMENT TO SLAB
SCALE: 3"=1'-0"



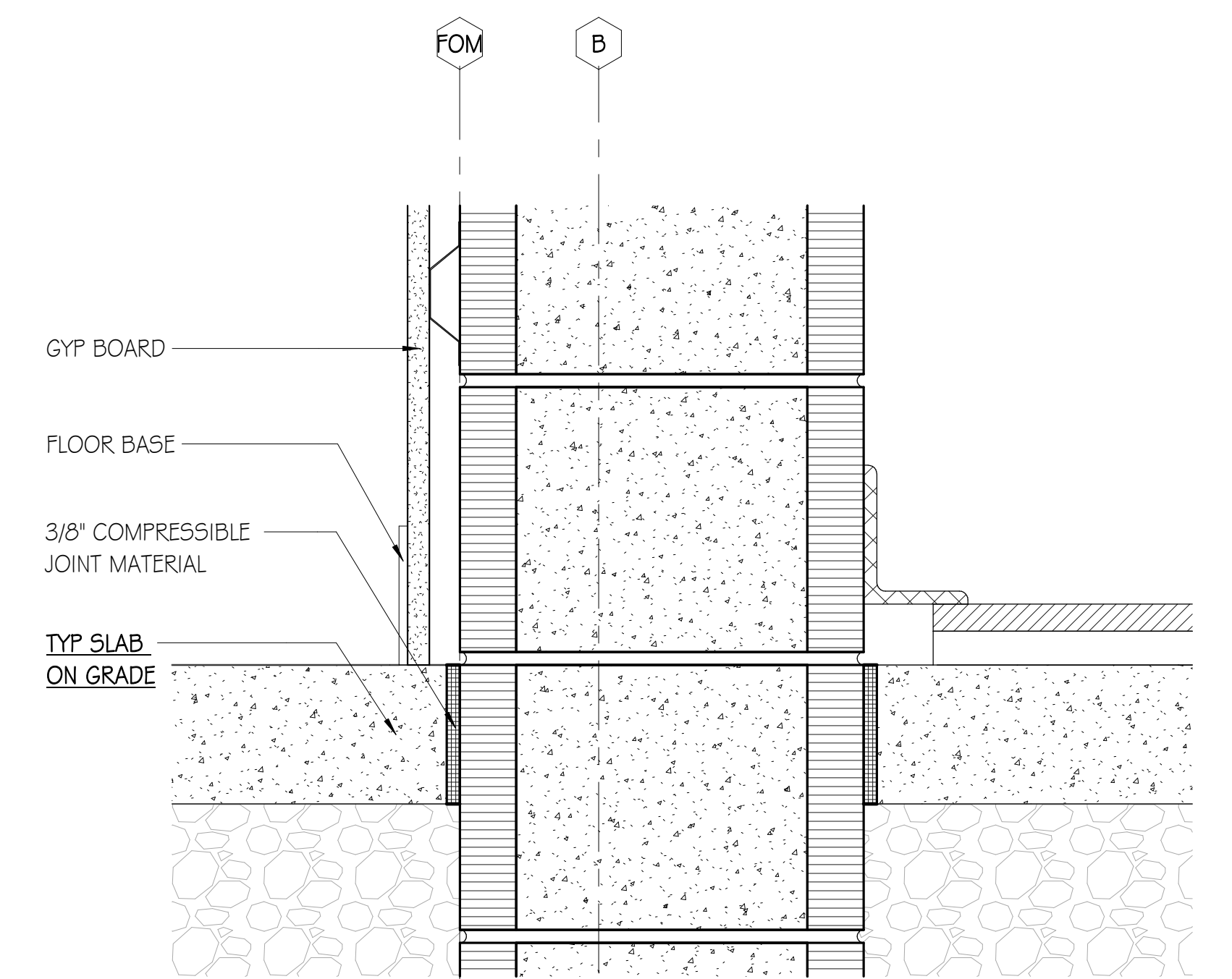
G7 CEILING POCKET @ FITNESS ROOM
SCALE: 3"=1'-0"



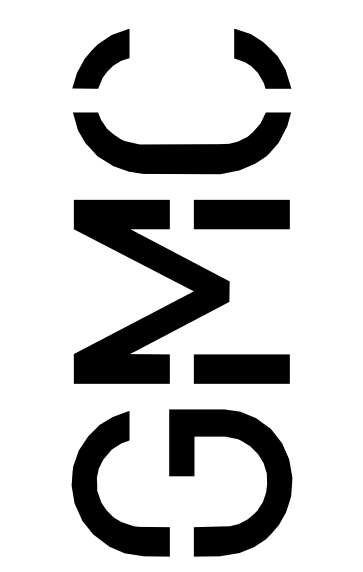
G10 ENTRY COLUMN HEAD
SCALE: 3"=1'-0"



D10 ENTRY COLUMN SILL
SCALE: 3"=1'-0"



A10 GYM CMU TO SLAB
SCALE: 3"=1'-0"



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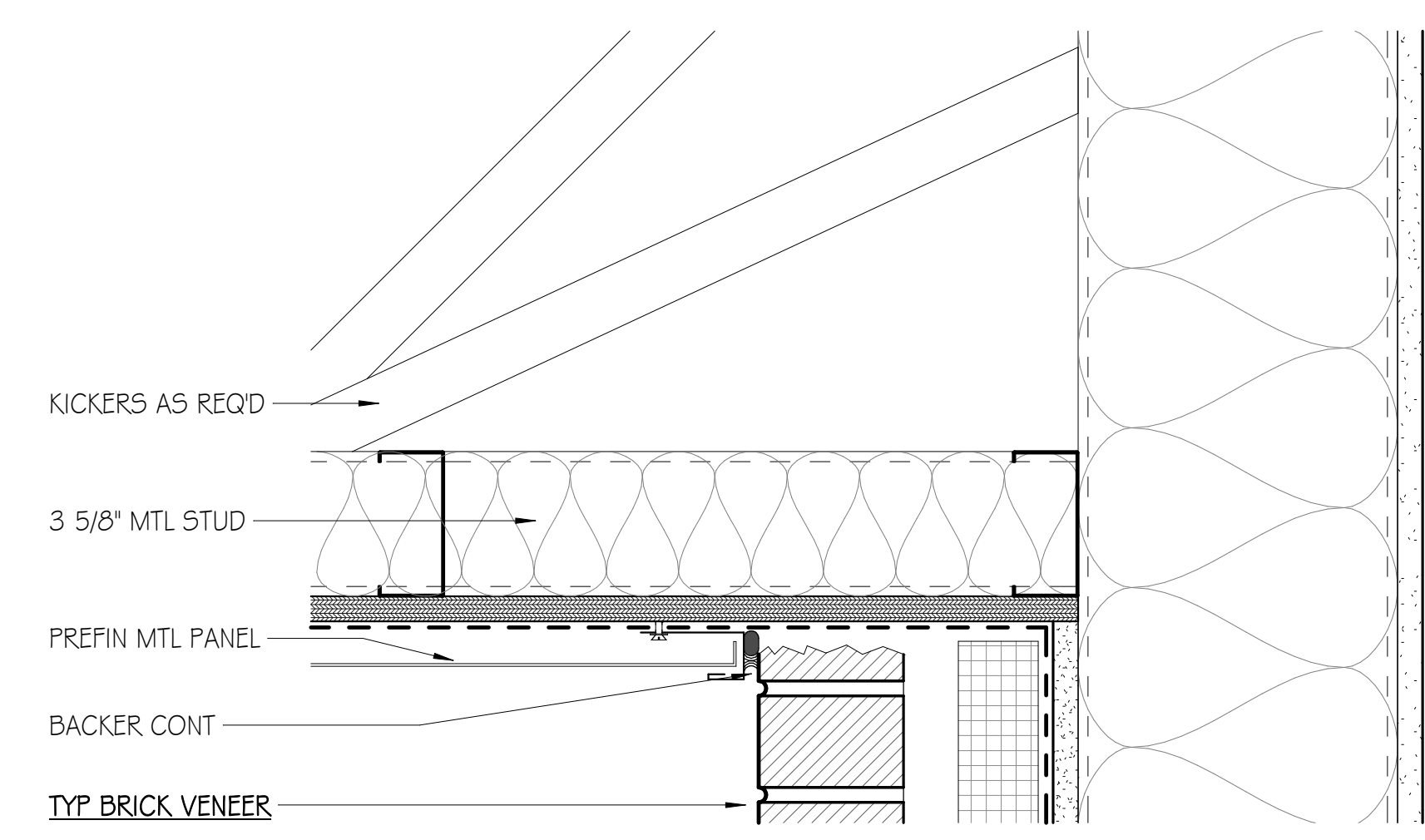
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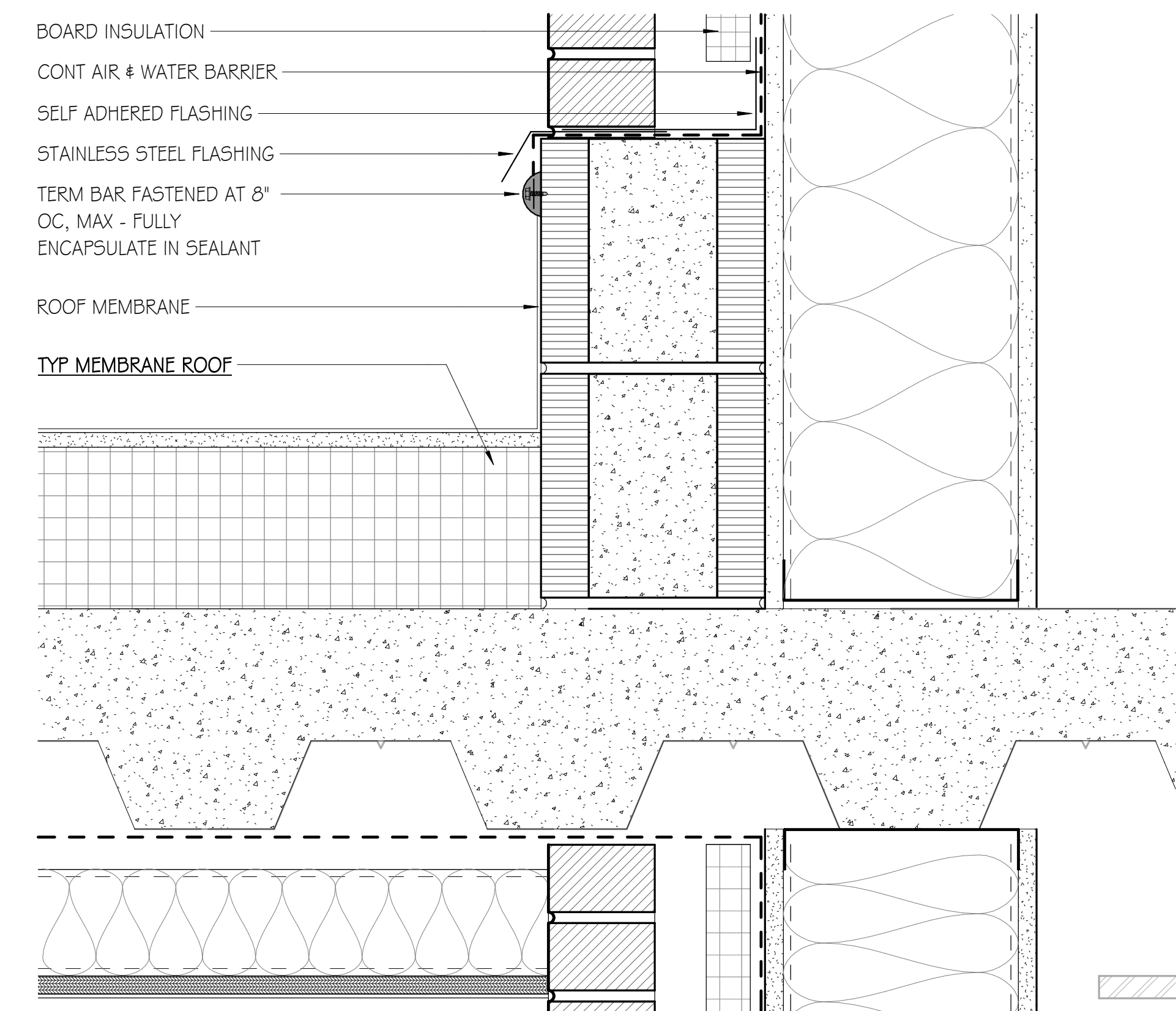


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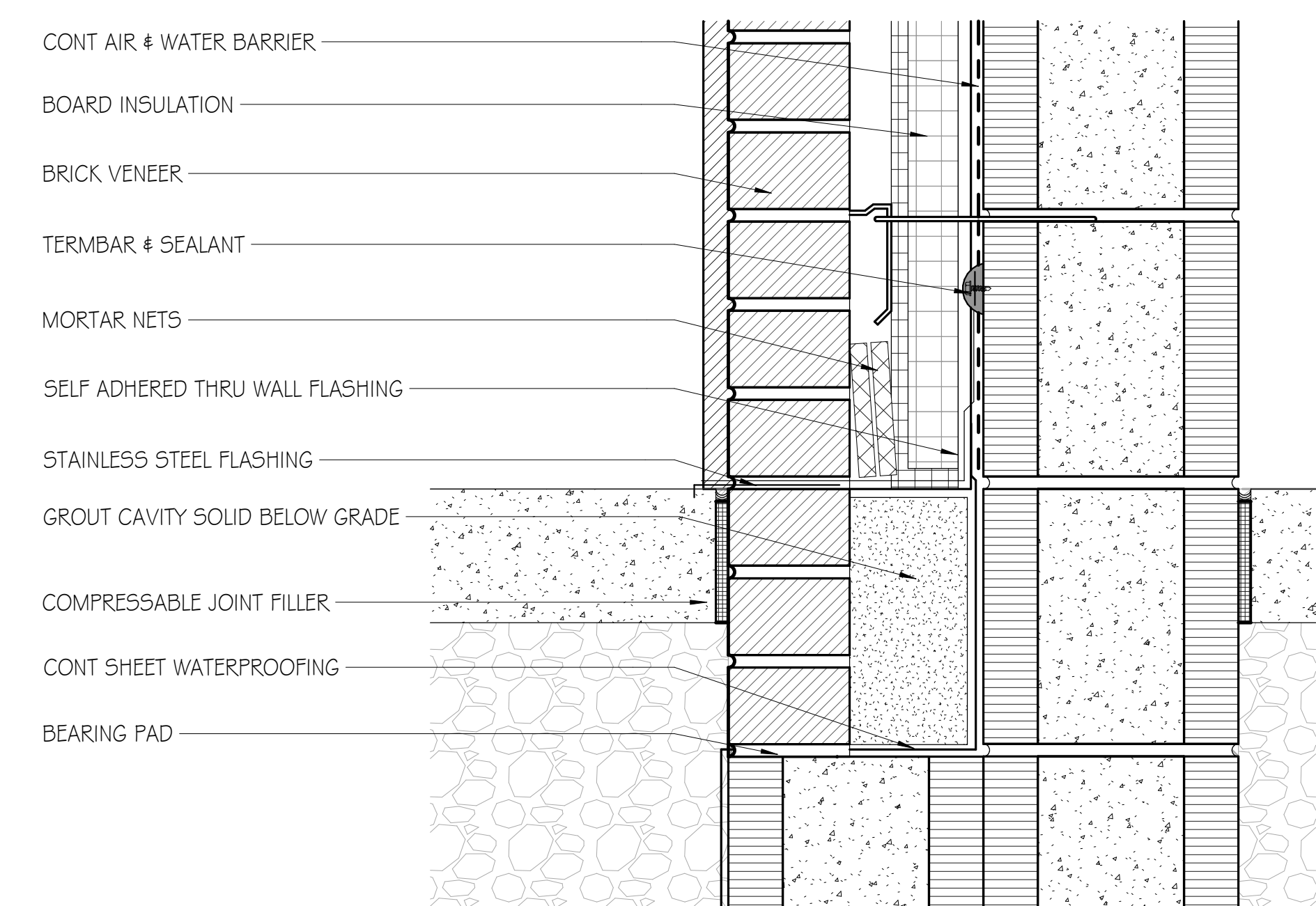
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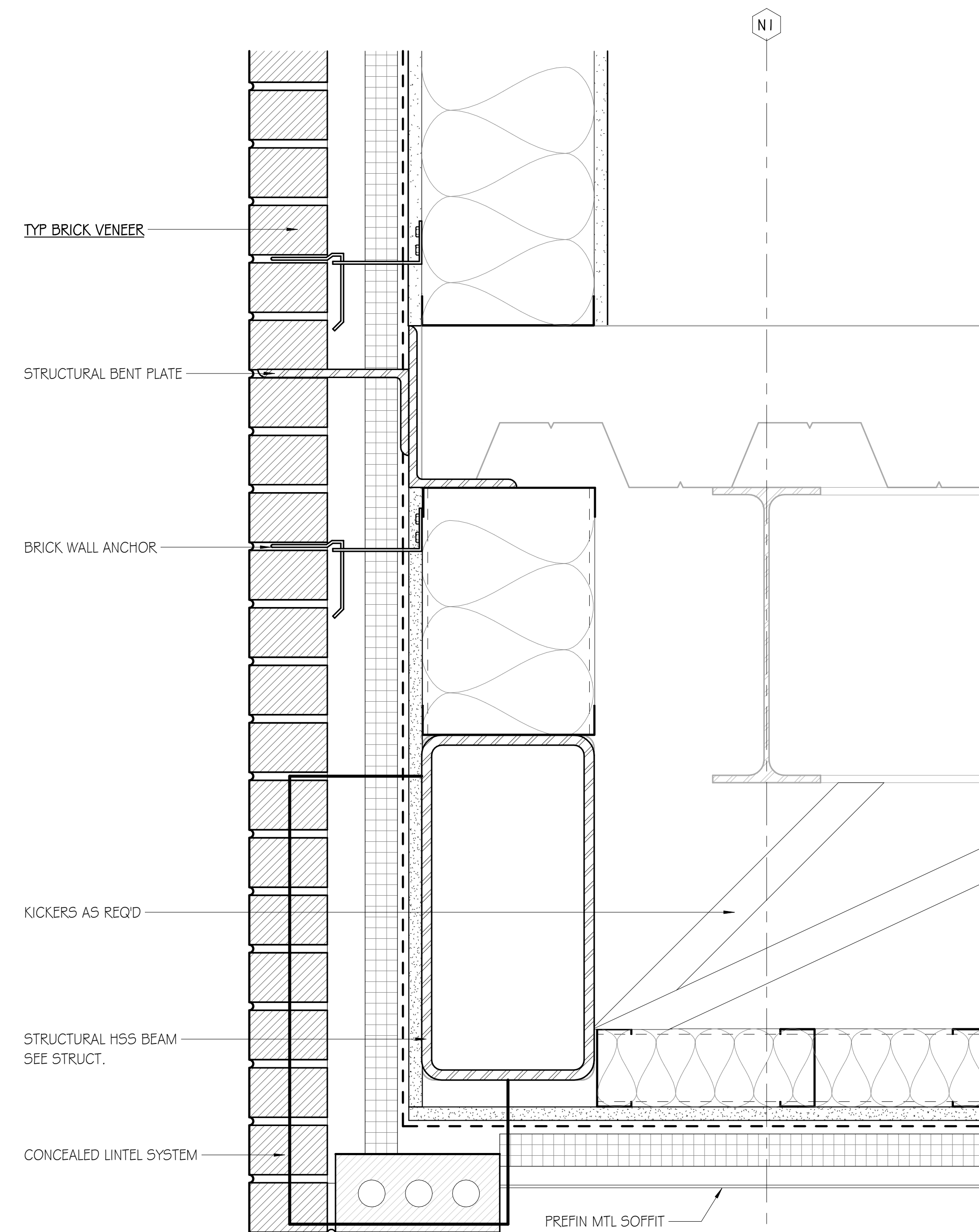
H1 MTL SOFFIT TO BRICK ON STUD
SCALE: 3"=1'-0"



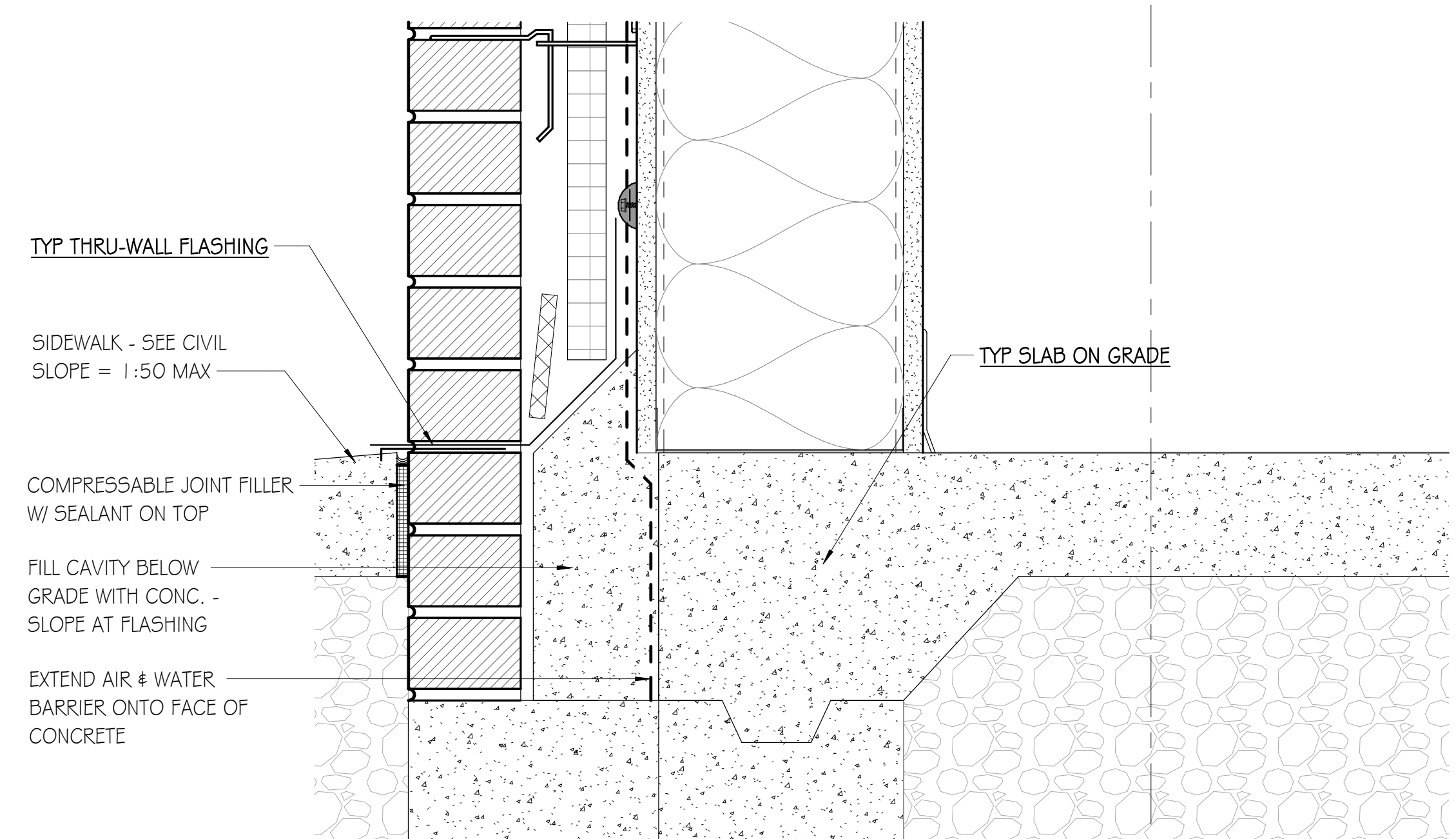
D1 ROOF TO BRICK ON STUD
SCALE: 3"=1'-0"



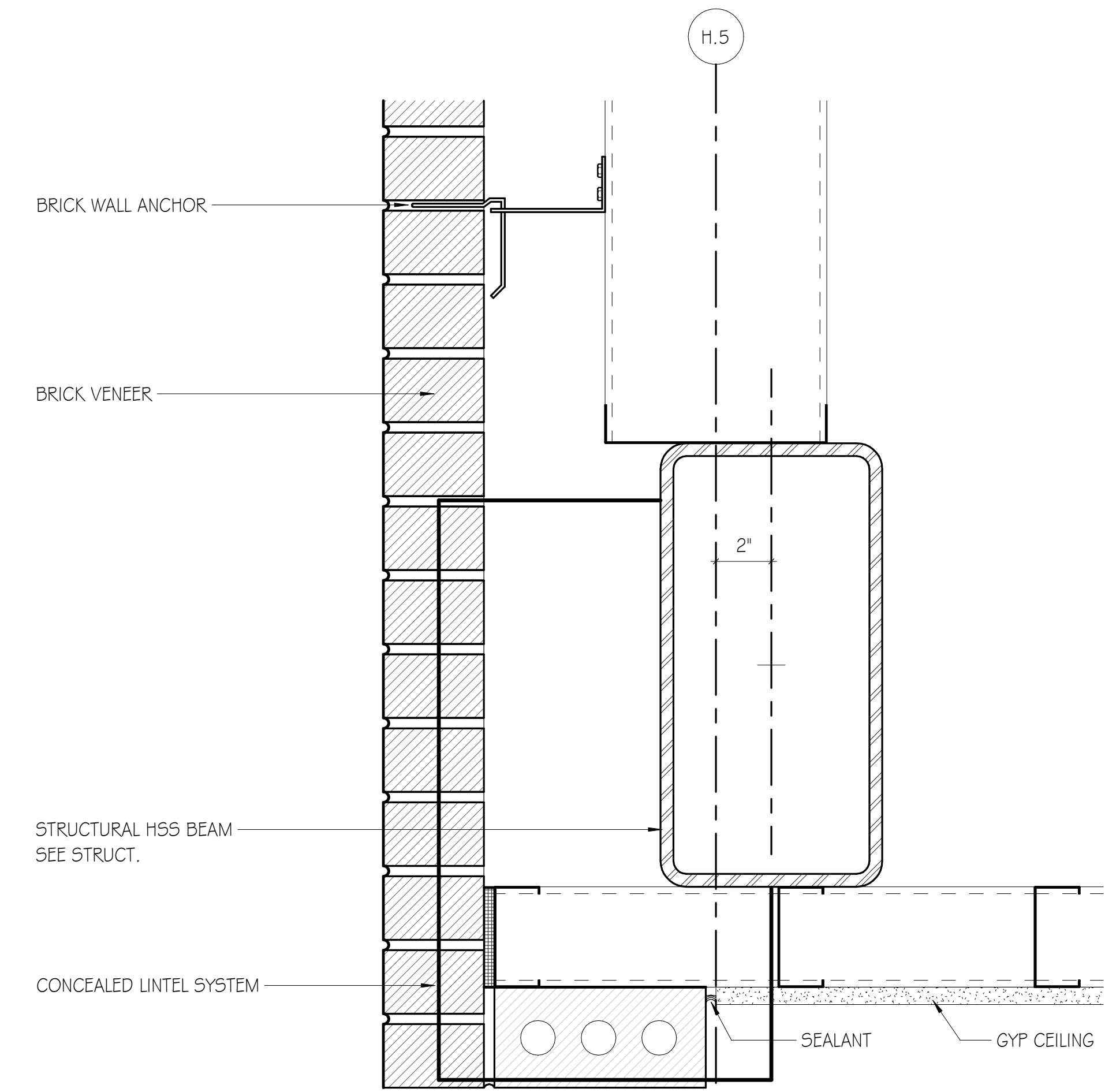
A1 BRICK ON CMU TO GROUND @ LOCKER ROOMS
SCALE: 3"=1'-0"



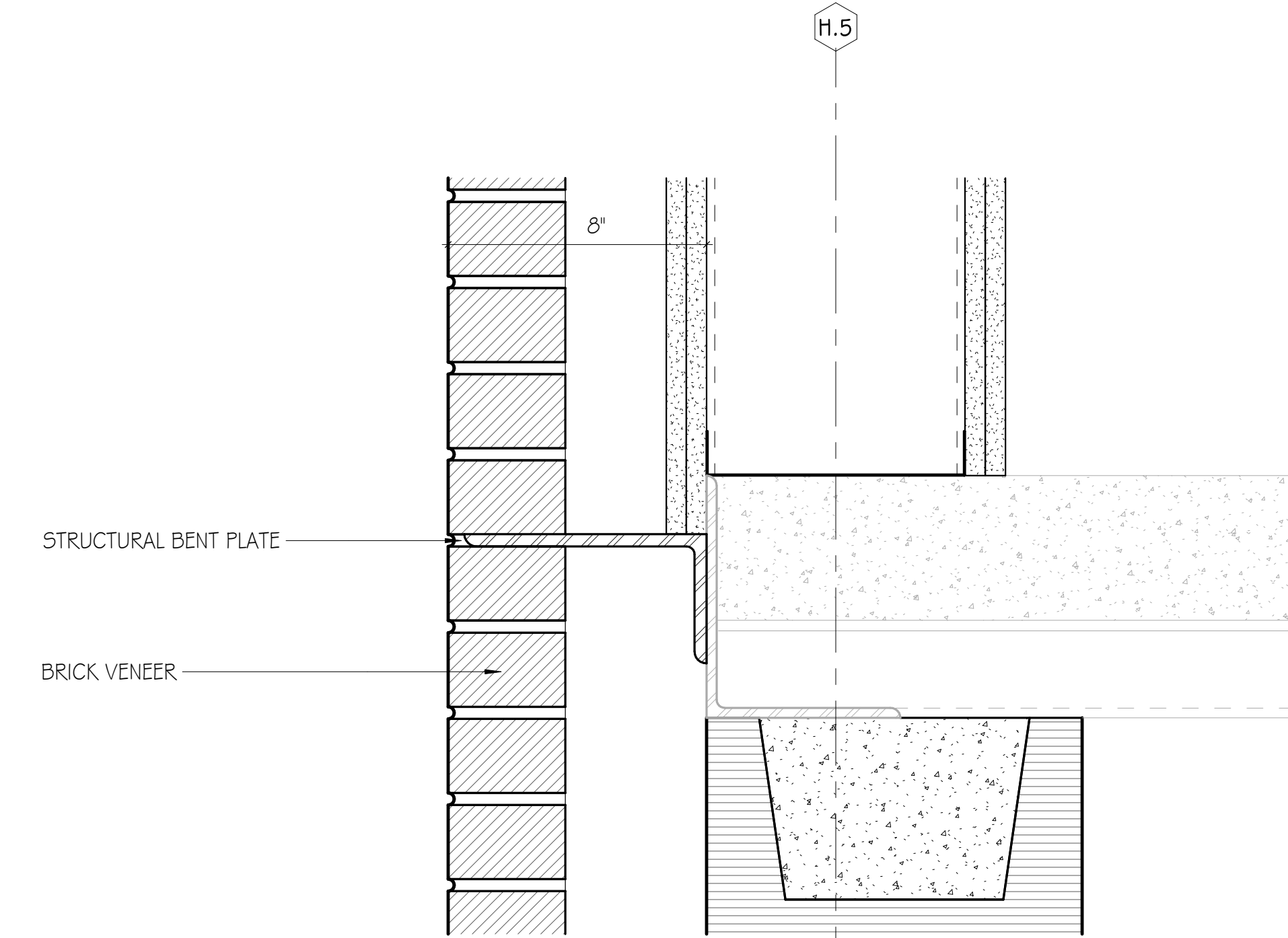
D8 EXT HANGING BRICK DETAIL
SCALE: 3"=1'-0"



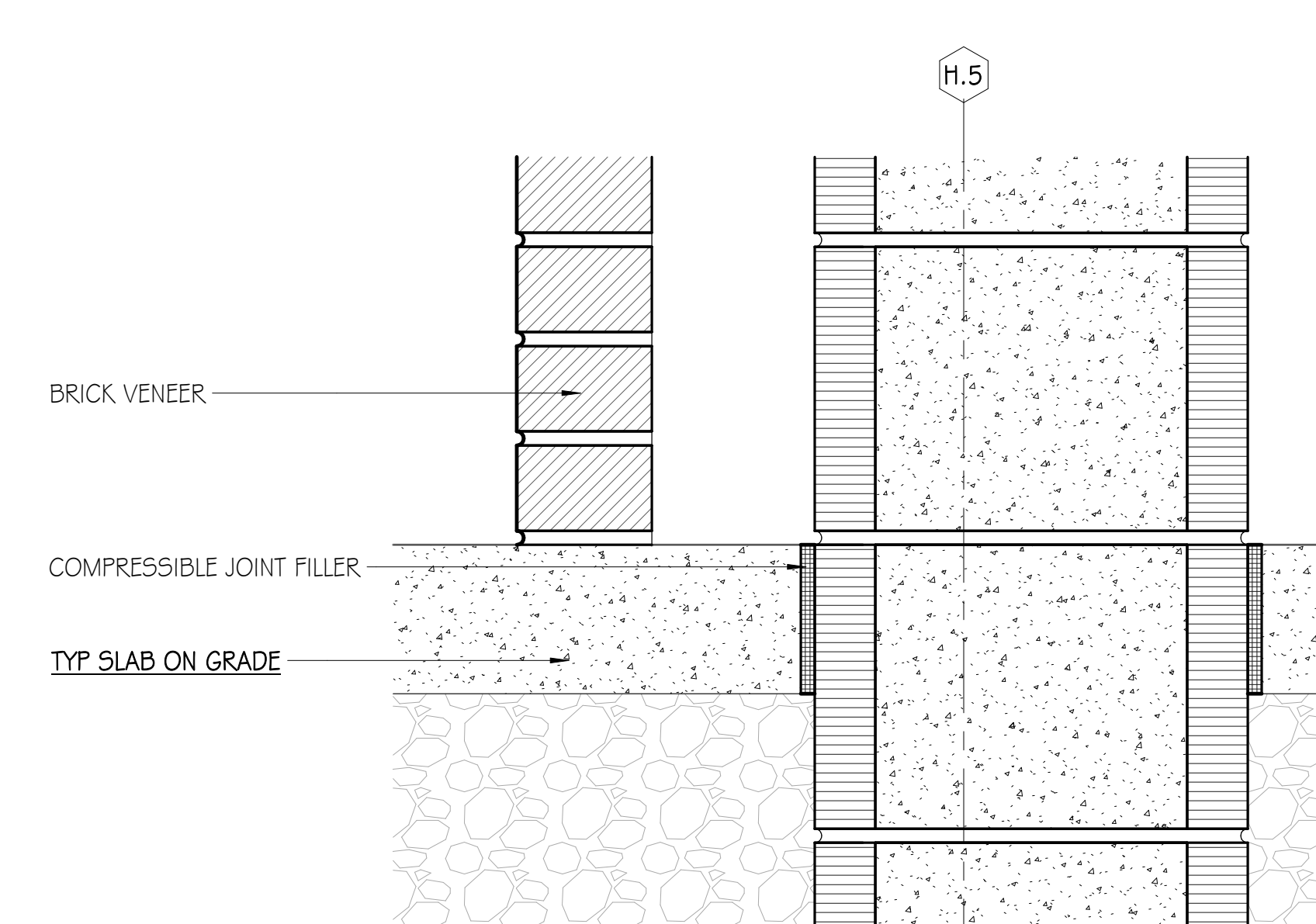
A4 BRICK ON STUD TO SLAB
SCALE: 3"=1'-0"



G9 INTERIOR BRICK LINTEL DETAIL
SCALE: 3"=1'-0"



C9 INTERIOR BRICK RELIEF DETAIL
SCALE: 3"=1'-0"



A9 INTERIOR BRICK TO SLAB
SCALE: 3"=1'-0"

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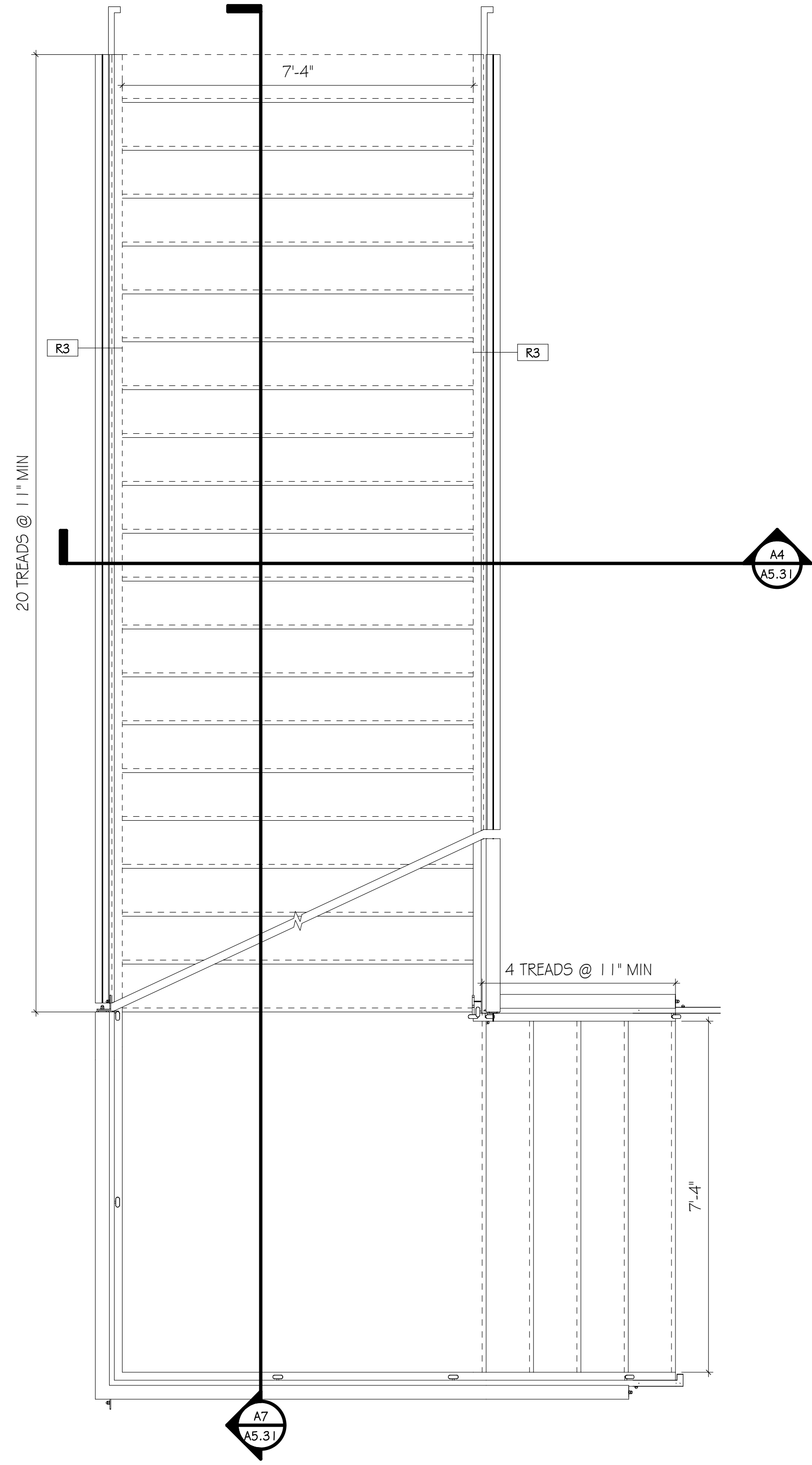
SECTION DETAILS

A5.22

30-May-24 11:48:16 TEMPLATE VERSION: 2023.1

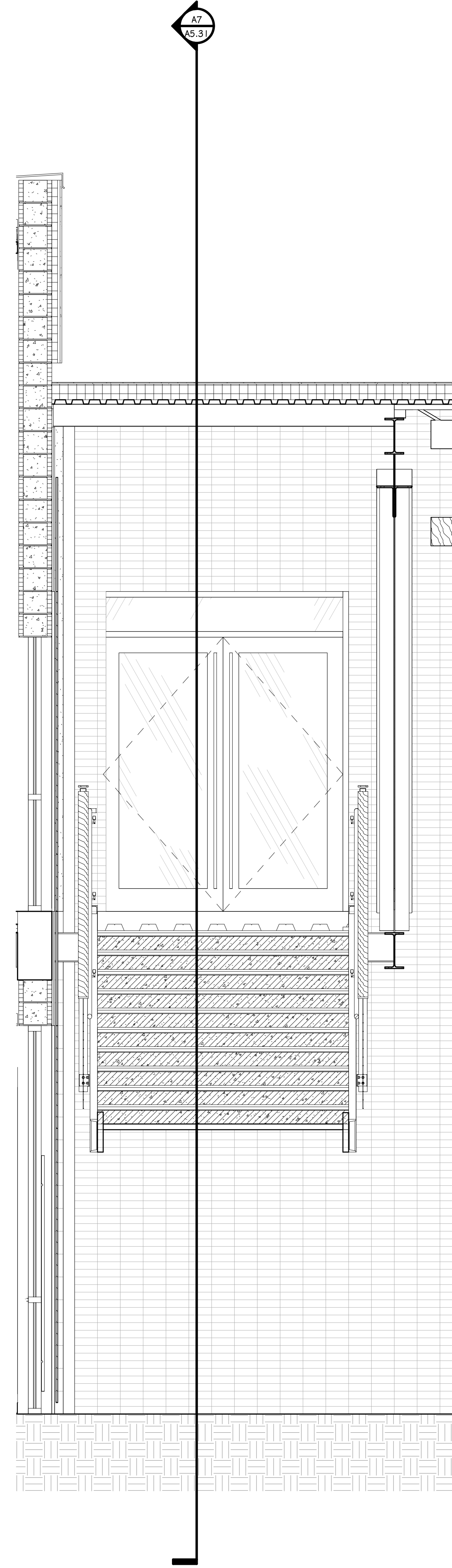
A1 GRAND STAIR - PLAN

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



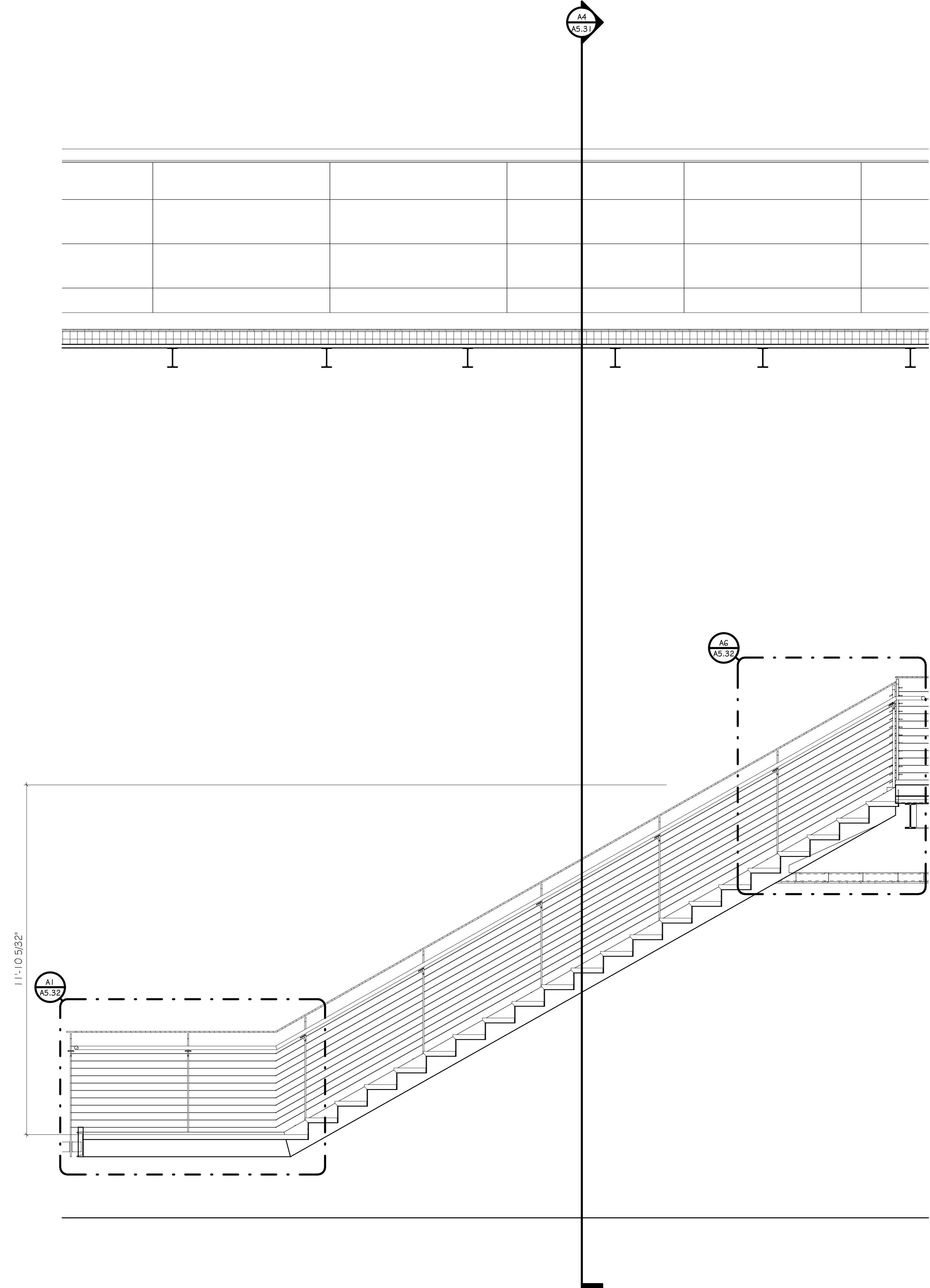
A4 GRAND STAIR - SECTION

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



A7 GRAND STAIR - SECTION 2

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



VERTICAL CIRCULATION - GRAND STAIRS

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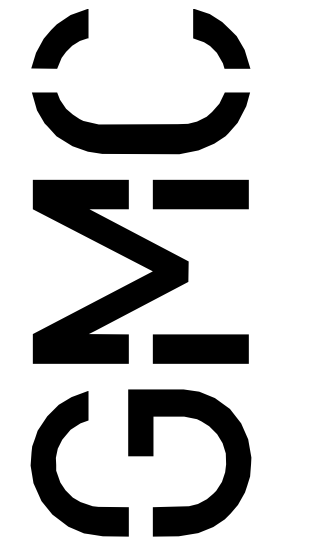
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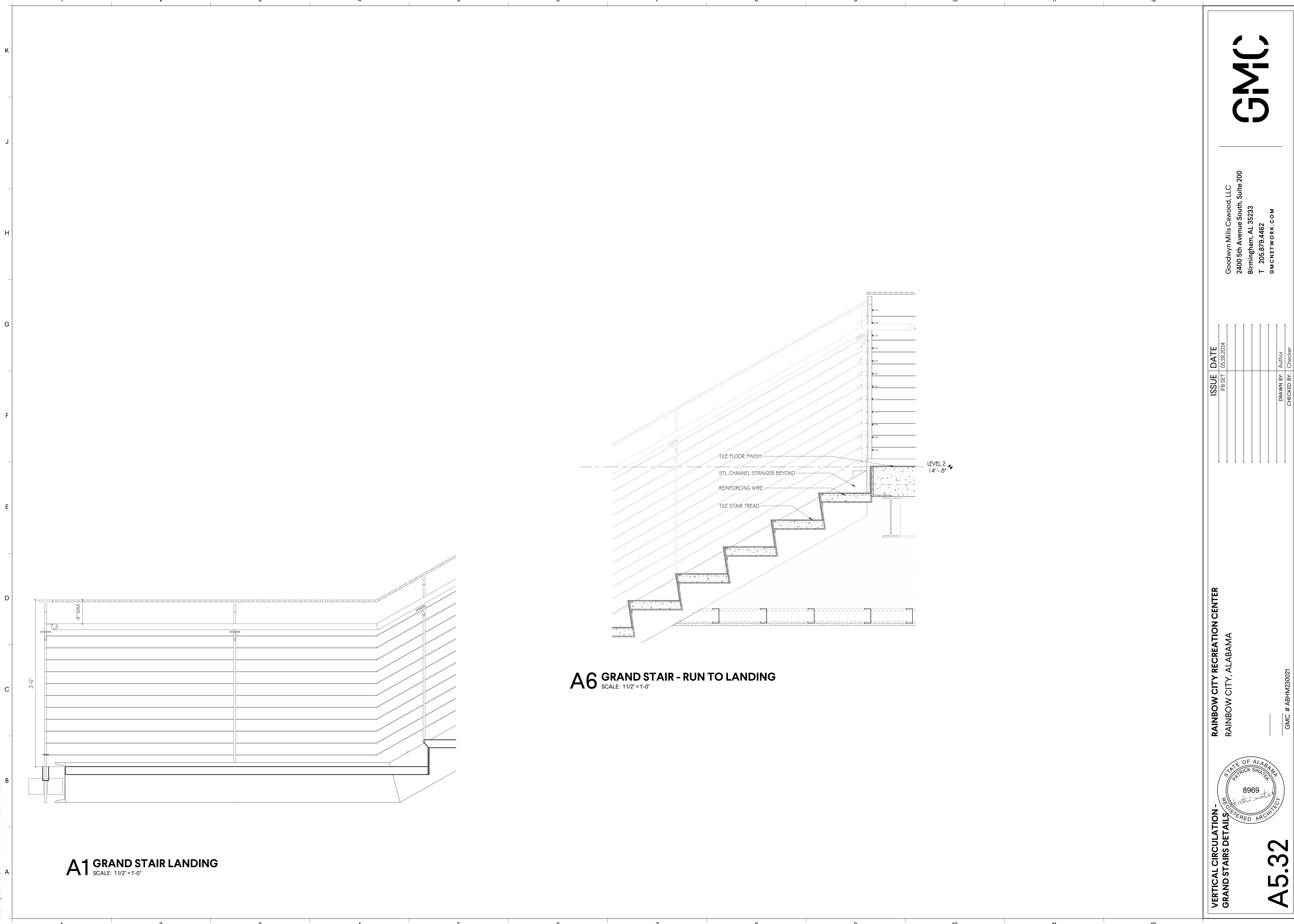
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A5.31





A1 GRAND STAIR LANDING
SCALE: 1 1/2" = 1'-0"

A6 GRAND STAIR - RUN TO LANDING
SCALE: 1 1/2" = 1'-0"



VERTICAL CIRCULATION -
GRAND STAIRS DETAILS

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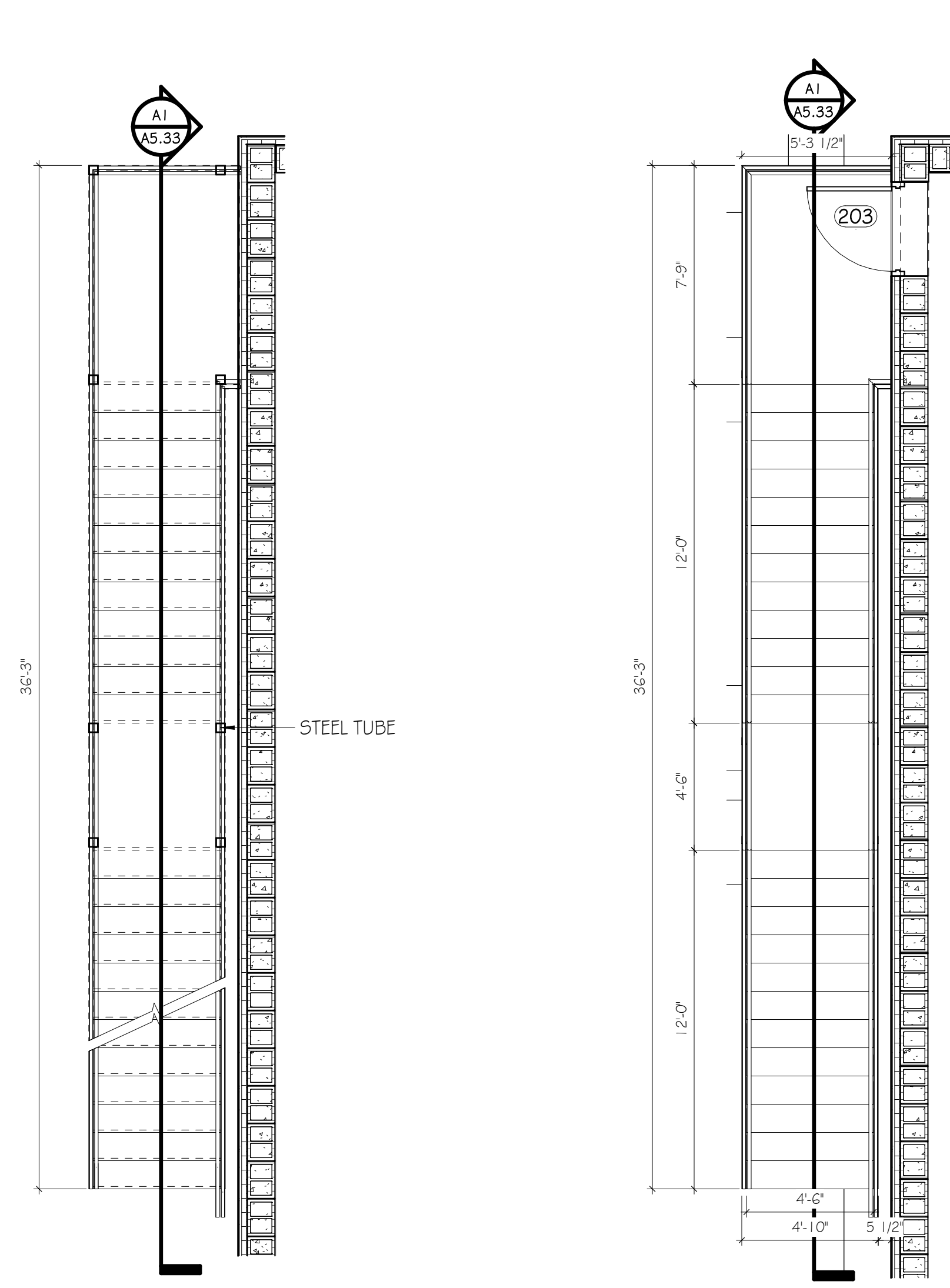
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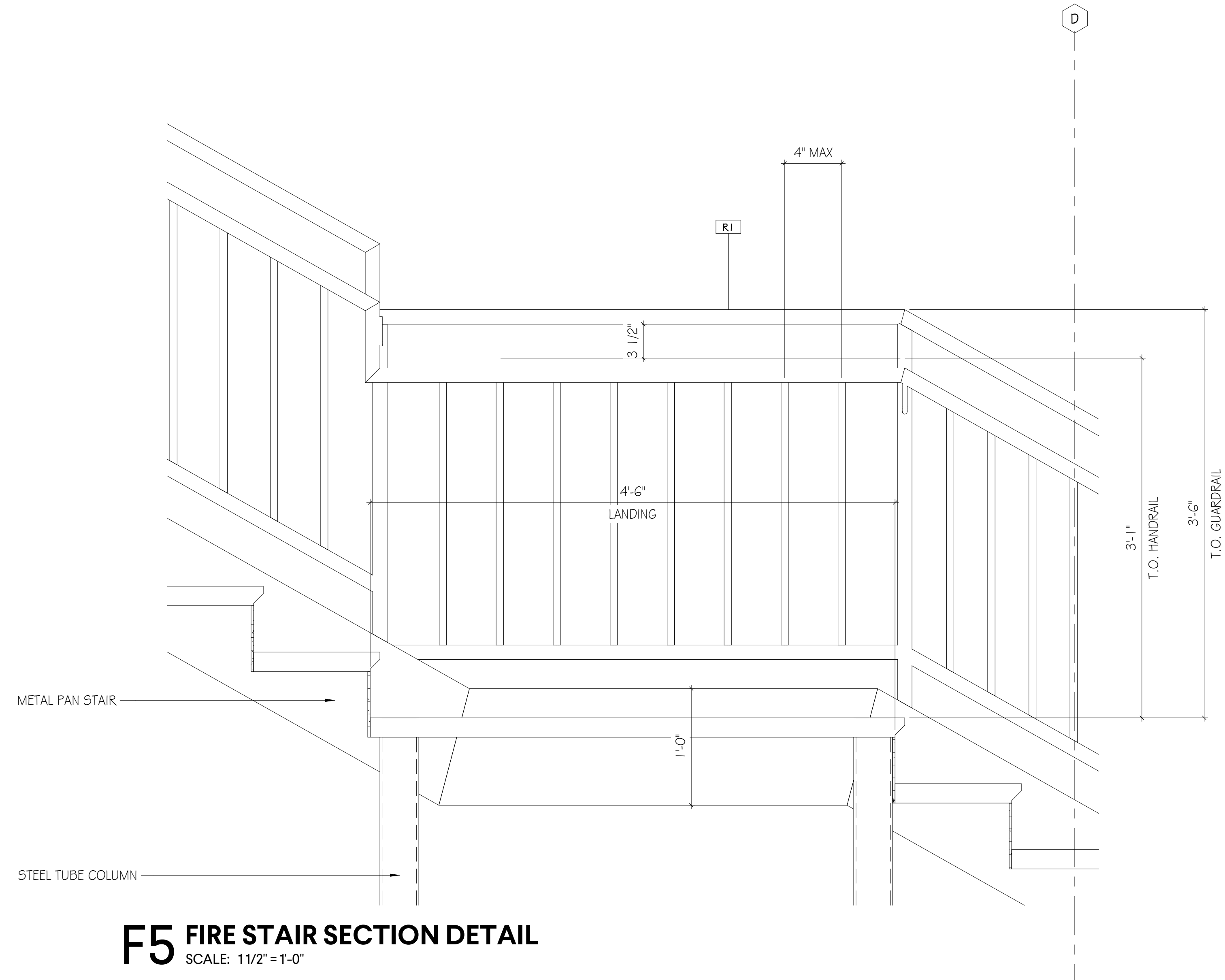
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GMC # ABHM230021

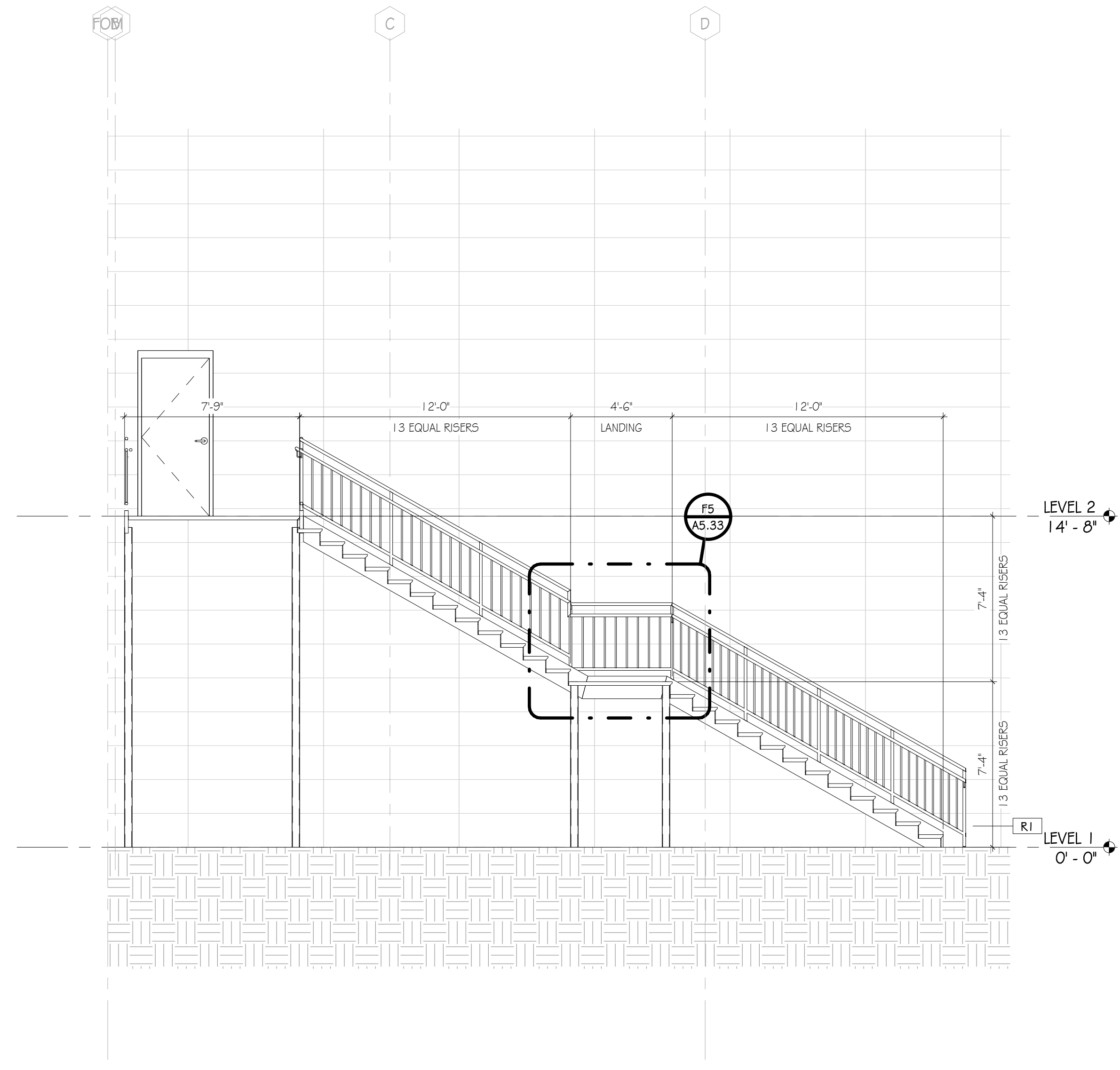


F1 FIRE STAIR FIRST FLOOR
SCALE: 1/4" = 1'-0"

F3 FIRE STAIR SECOND FLOOR
SCALE: 1/4" = 1'-0"



F5 FIRE STAIR SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



A1 FIRE STAIR SECTION
SCALE: 1/4" = 1'-0"

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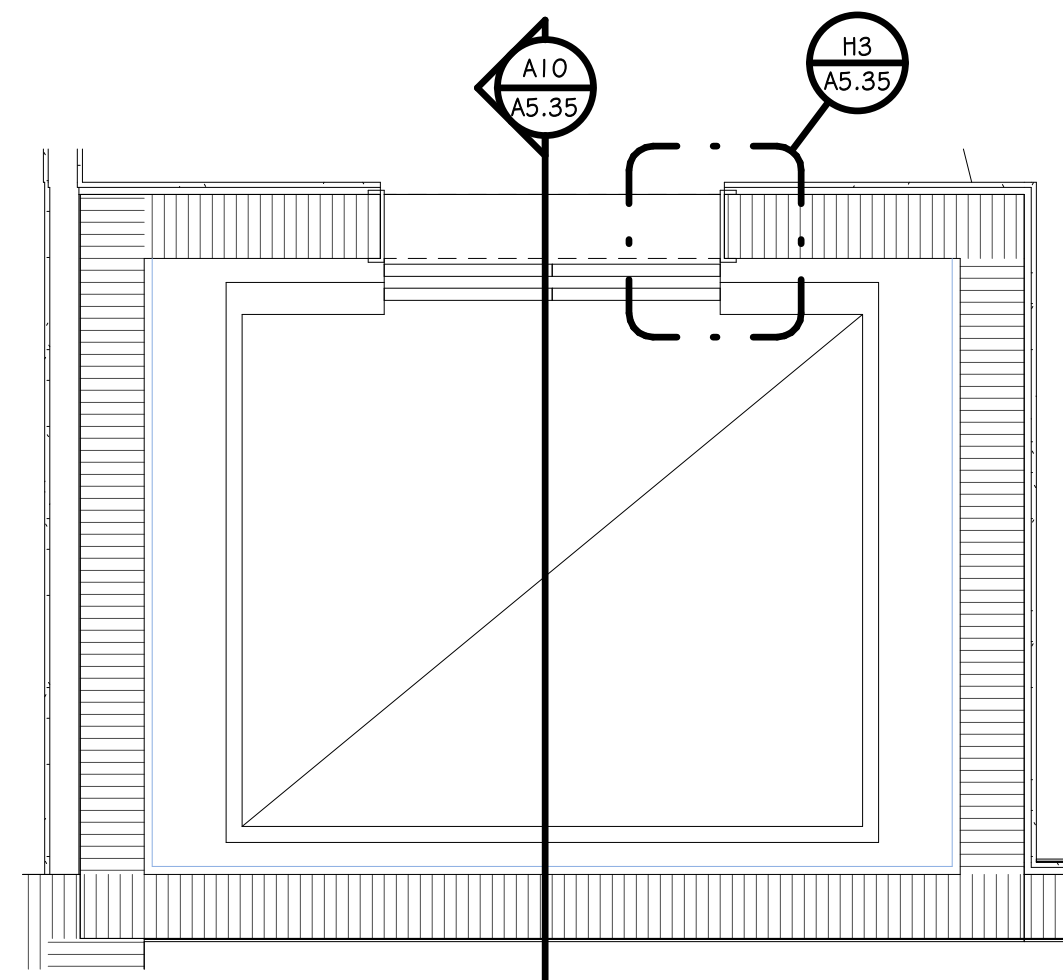
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STATE OF ALABAMA
PATRICK SWATEK
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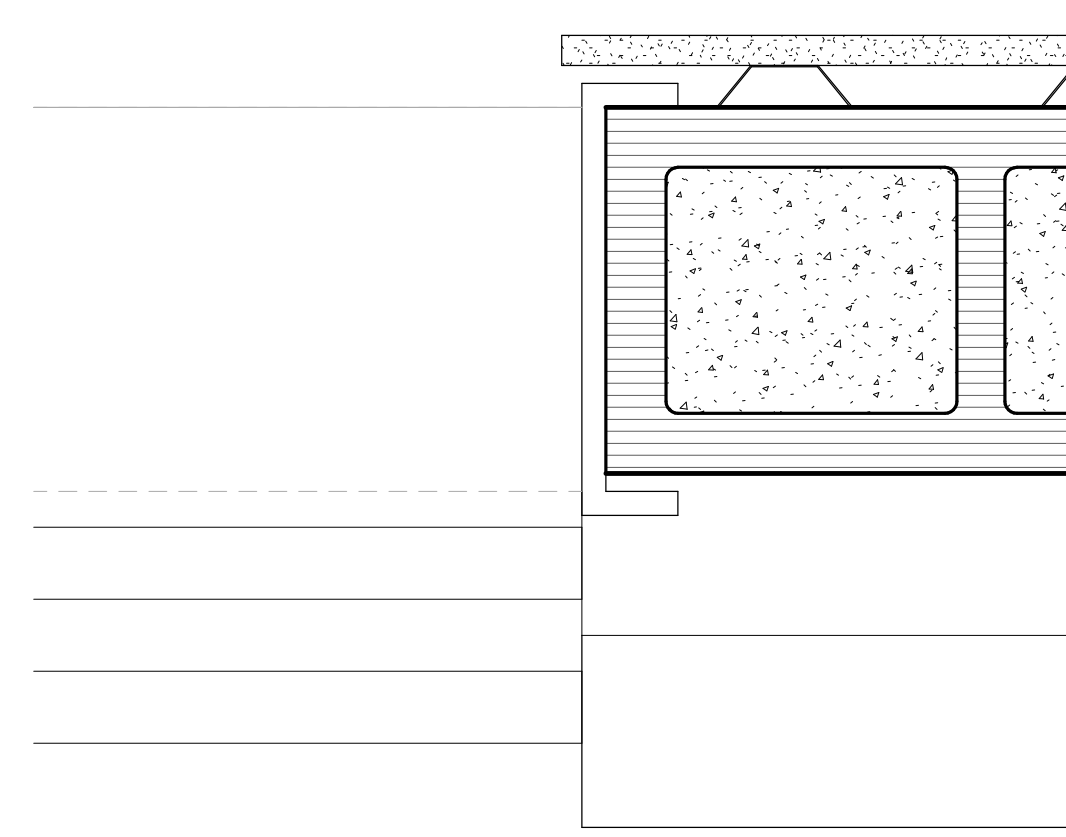
GMC # ABHM230021

A5.33

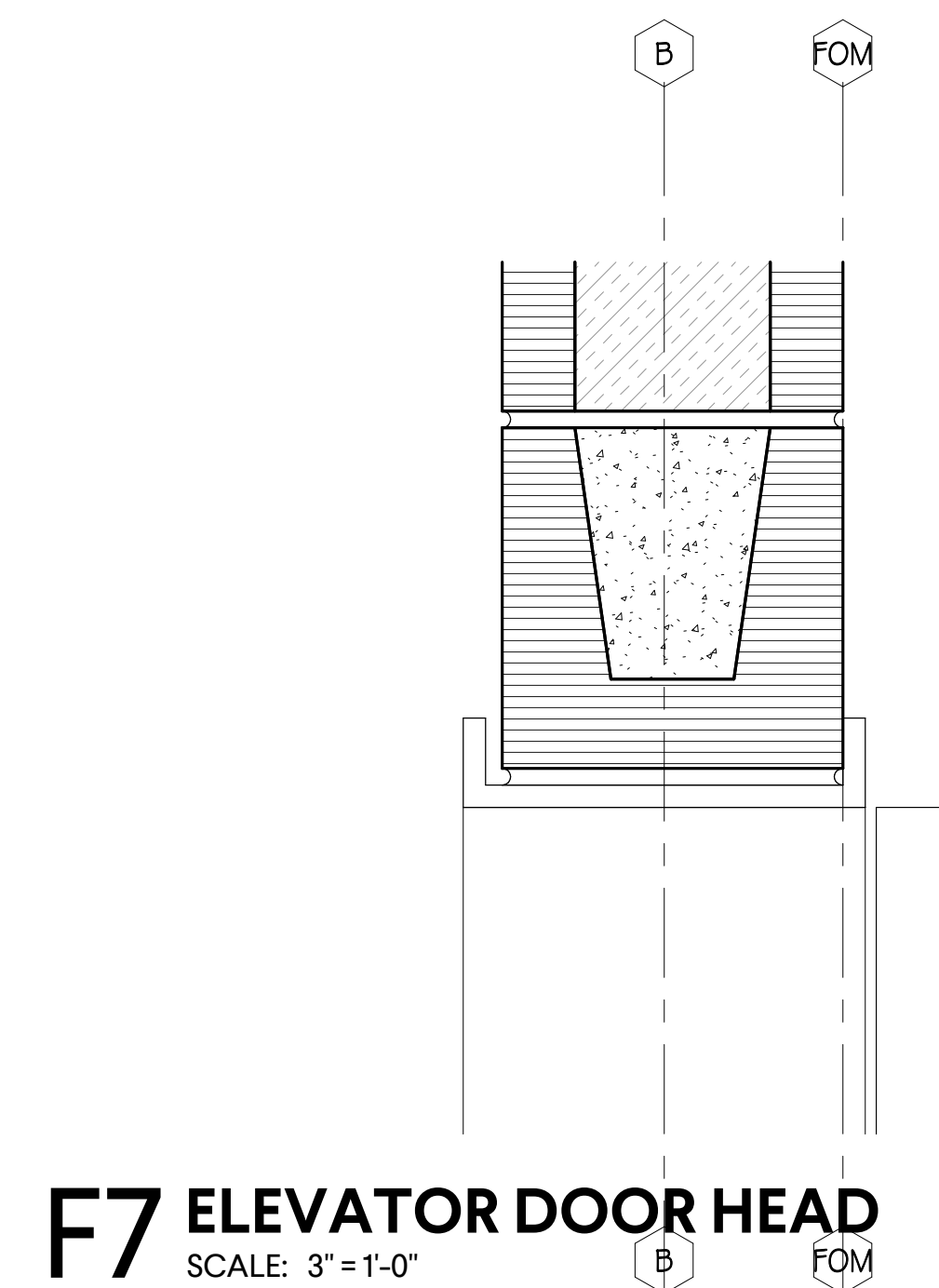
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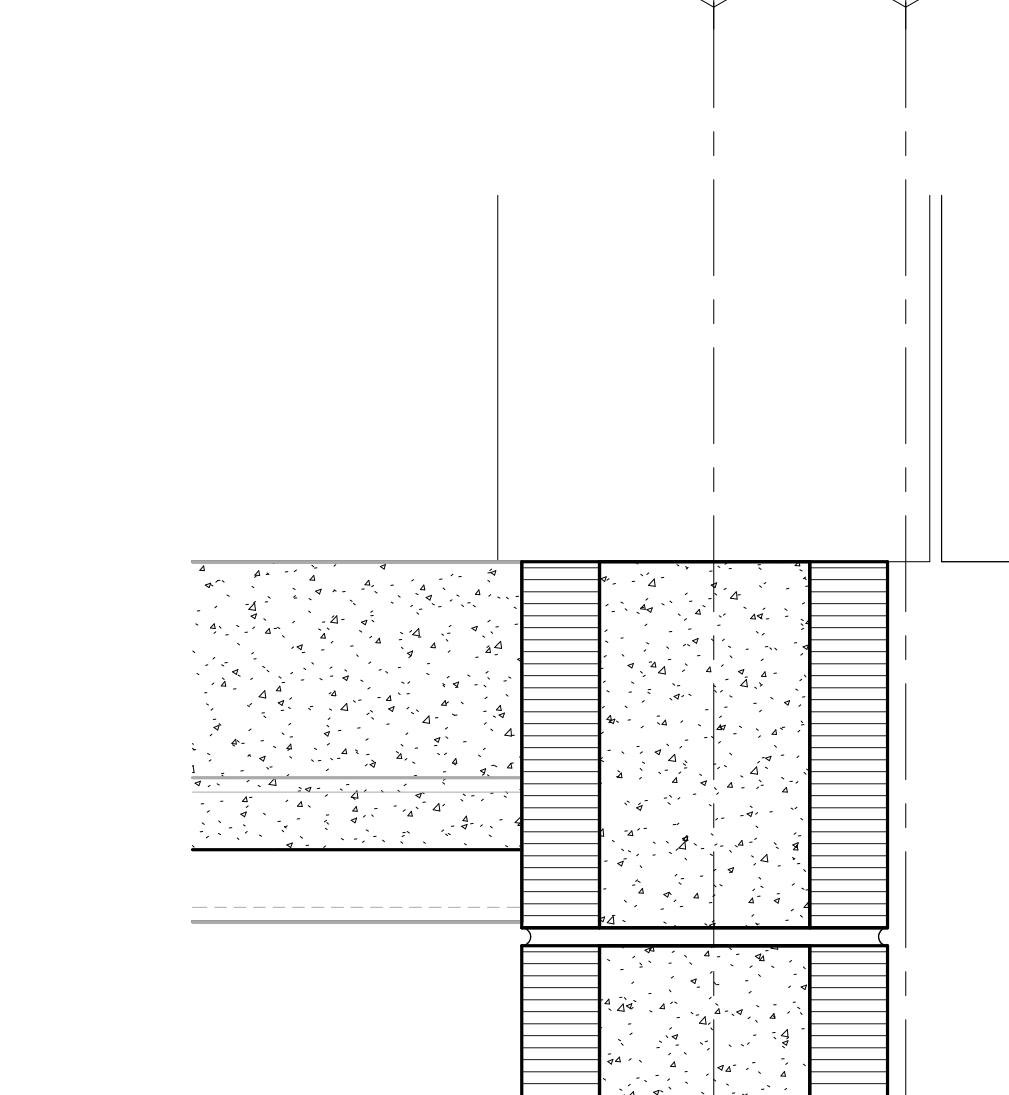
H1 ENLARGED PLAN - ELEVATOR
SCALE: 1/2" = 1'-0"



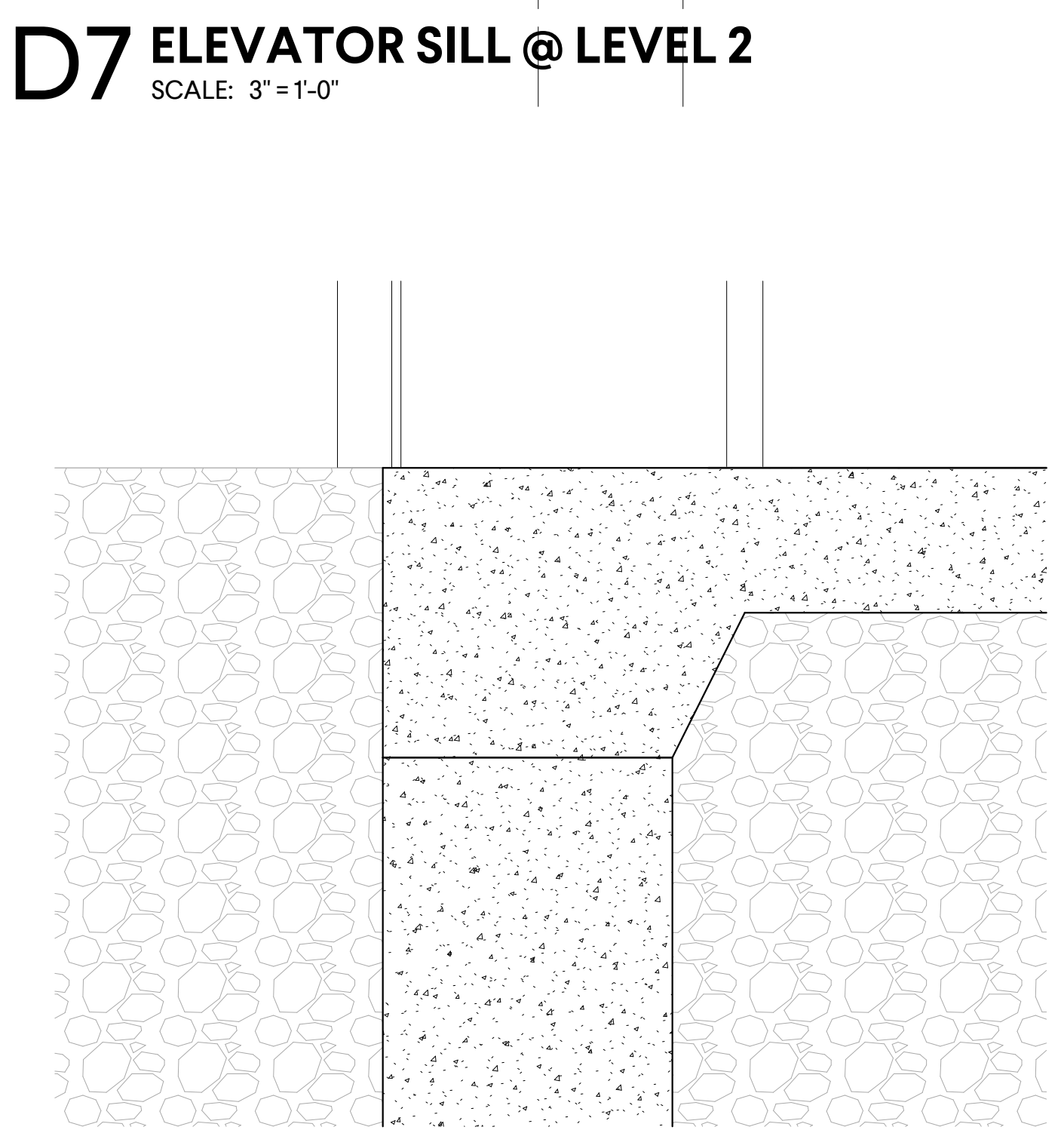
H3 ELEVATOR DOOR JAMB
SCALE: 3" = 1'-0"



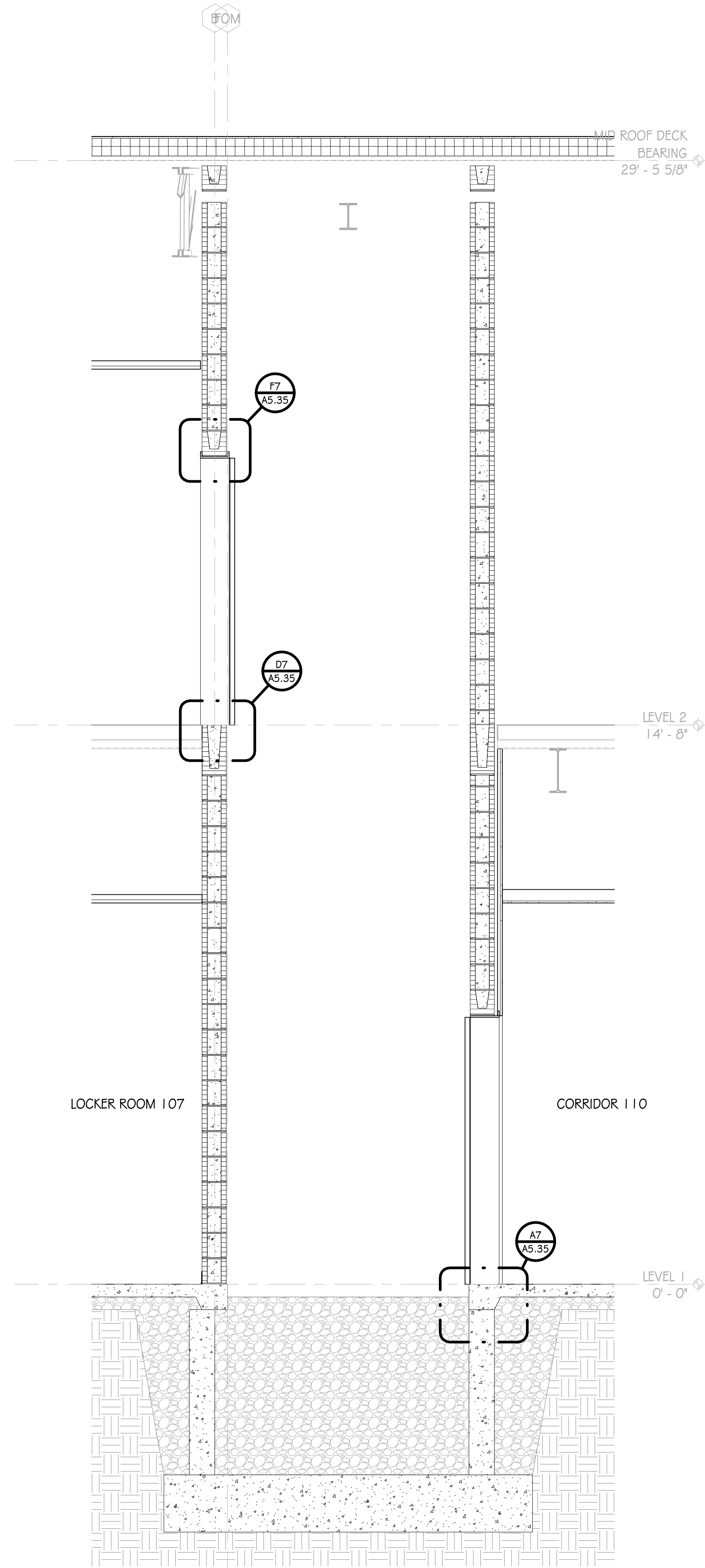
F7 ELEVATOR DOOR HEAD
SCALE: 3" = 1'-0"



D7 ELEVATOR SILL @ LEVEL 2
SCALE: 3" = 1'-0"



A7 ELEVATOR SILL @ GRADE
SCALE: 3" = 1'-0"



A10 ELEVATOR SECTION
SCALE: 1/2" = 1'-0"

VERTICAL CIRCULATION -
ELEVATOR

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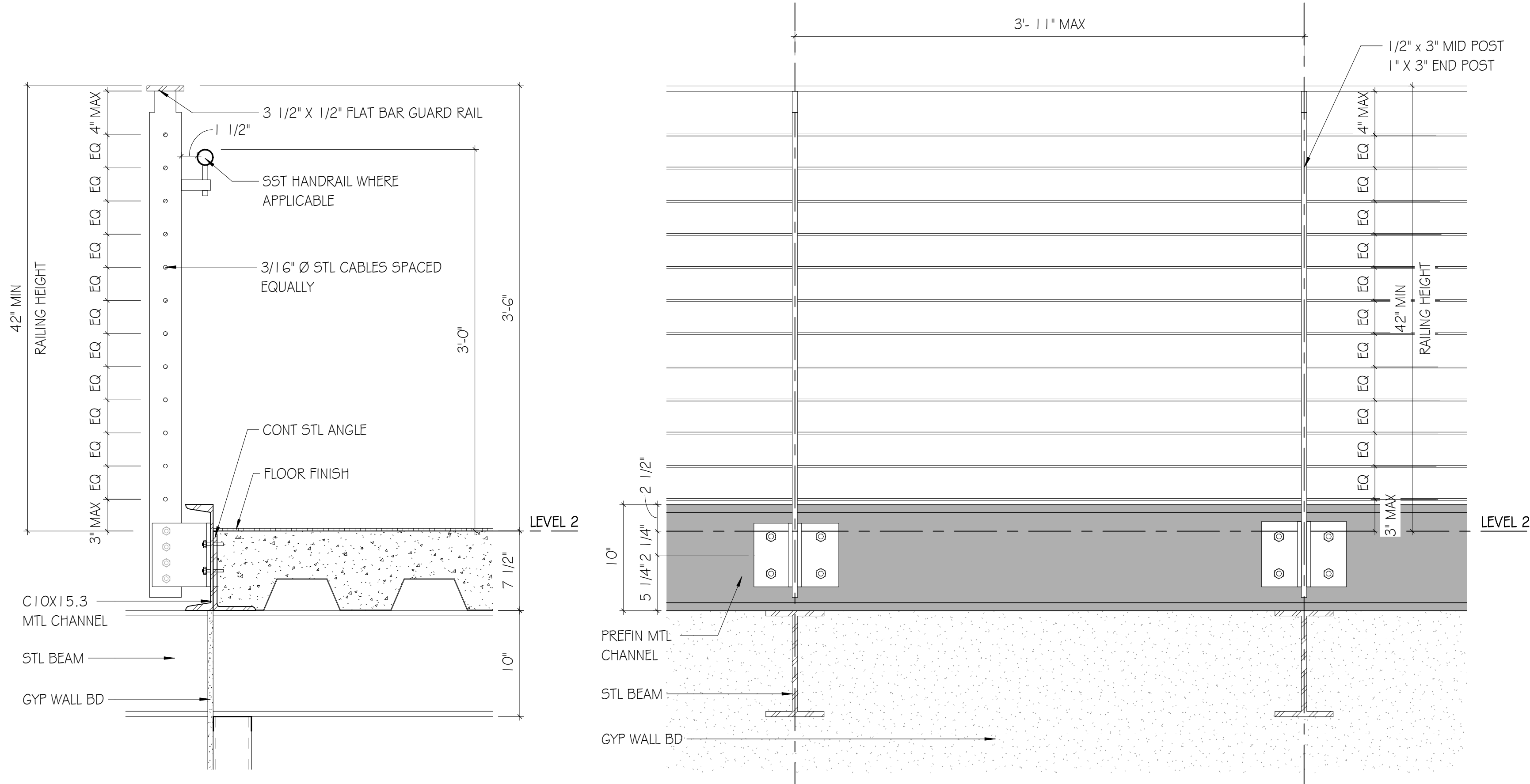
RAILING GENERAL NOTES

- R.01. **CODE COMPLIANCE:** SEE GENERAL NOTES DIVISION 1 GENERAL REQUIREMENTS ITEM 1.09 FOR CODE COMPLIANCE.
- R.02. **MULTI-TRADE COORDINATION:** SEE GENERAL NOTES DIVISION 1 GENERAL REQUIREMENTS ITEM 1.02 FOR MULTI-TRADE COORDINATION.
- R.03. **HANDRAIL DIMENSIONS:** DIMENSIONS FOR HAND RAILINGS AS INDICATED IN CONTRACT DOCUMENTS. WIDTH BETWEEN HANDRAILS AT STAIRS AS INDICATED IN CONTRACT DOCUMENTS BUT SHALL NOT BE LESS THAN 44 INCHES CLEAR. WIDTH BETWEEN HANDRAILS AT RAMP AS INDICATED IN CONTRACT DOCUMENTS BUT SHALL NOT BE LESS THAN 36 INCHES. HEIGHT OF HANDRAILS ABOVE STAIR TREAD NOSING OR FINISH SURFACES OF RAMP AS INDICATED IN CONTRACT DOCUMENTS BUT SHALL BE UNIFORM AND NOT LESS THAN 24 INCHES AND NOT MORE THAN 38 INCHES. DIAMETER OF HANDRAILS AS INDICATED IN CONTRACT DOCUMENTS BUT SHALL NOT HAVE AN OUTSIDE DIAMETER OF LESS THAN 1-1/4 INCHES AND NOT GREATER THAN 2 INCHES. NON CIRCULAR HANDRAILS AS INDICATED IN CONTRACT DOCUMENTS BUT SHALL HAVE A PERIMETER DIMENSION OF AT LEAST 4 INCHES AND NOT GREATER THAN 6-1/4 INCHES WITH A MAXIMUM CROSS-SECTION DIMENSION OF 2-1/4 INCHES. EDGES SHALL HAVE A MINIMUM RADIUS OF 0.01 INCHES. HANDRAIL EXTENSIONS AS INDICATED IN CONTRACT DOCUMENTS, BUT WHERE HANDRAILS ARE NOT CONTINUOUS BETWEEN FLIGHTS, THE HANDRAILS SHALL EXTEND HORIZONTALLY AT LEAST 12 INCHES BEYOND THE TOP RISER AND CONTINUE TO SLOPE FOR THE DEPTH OF ONE TREAD BEYOND THE BOTTOM RISER. AT RAMP WHERE HANDRAILS ARE NOT CONTINUOUS BETWEEN RUNS, THE HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING 12 INCHES MINIMUM BEYOND THE TOP AND BOTTOM OF RAMP RUNS. THE EXTENSIONS OF HANDRAILS SHALL BE IN THE SAME DIRECTION OF THE STAIR FLIGHT AS STAIRWAYS AND RAMP RUNS AT RAMP. CLEAR SPACE BETWEEN HANDRAIL AND WALL OR OTHER SURFACE AS INDICATED IN CONTRACT DOCUMENTS BUT SHALL BE A MINIMUM OF 1-1/2 INCHES.
- R.04. **GUARDRAIL DIMENSIONS:** DIMENSIONS FOR GUARDRAILS AS INDICATED IN CONTRACT DOCUMENTS. HEIGHT OF GUARDRAILS ABOVE ADJACENT WALKING SURFACES, ADJACENT FIXED SEATING, OR THE LINE CONNECTING THE LEADING EDGE OF TREADS AS INDICATED IN CONTRACT DOCUMENTS BUT SHALL NOT BE LESS THAN 42 INCHES. OPENINGS IN GUARDRAILS AS INDICATED IN CONTRACT DOCUMENTS BUT SHALL NOT ALLOW THE PASSAGE OF A SPHERE 4 INCHES IN DIAMETER FROM THE WALKING SURFACE TO THE REQUIRED GUARD HEIGHT (FOR ROOF ACCESS SHALL PREVENT THE PASSAGE OF A SPHERE 21 INCHES IN DIAMETER). FROM A HEIGHT OF 36 INCHES TO 42 INCHES GUARDS SHALL NOT HAVE OPENINGS WHICH ALLOW PASSAGE OF A SPHERE 4-3/8 INCHES IN DIAMETER. THE TRIANGULAR OPENINGS AT THE OPEN SIDES OF A STAIR FORMED BY THE RISER, TREAD, AND BOTTOM RAIL SHALL NOT ALLOW PASSAGE OF A SPHERE 6 INCHES IN DIAMETER.

RAILING SCHEDULE

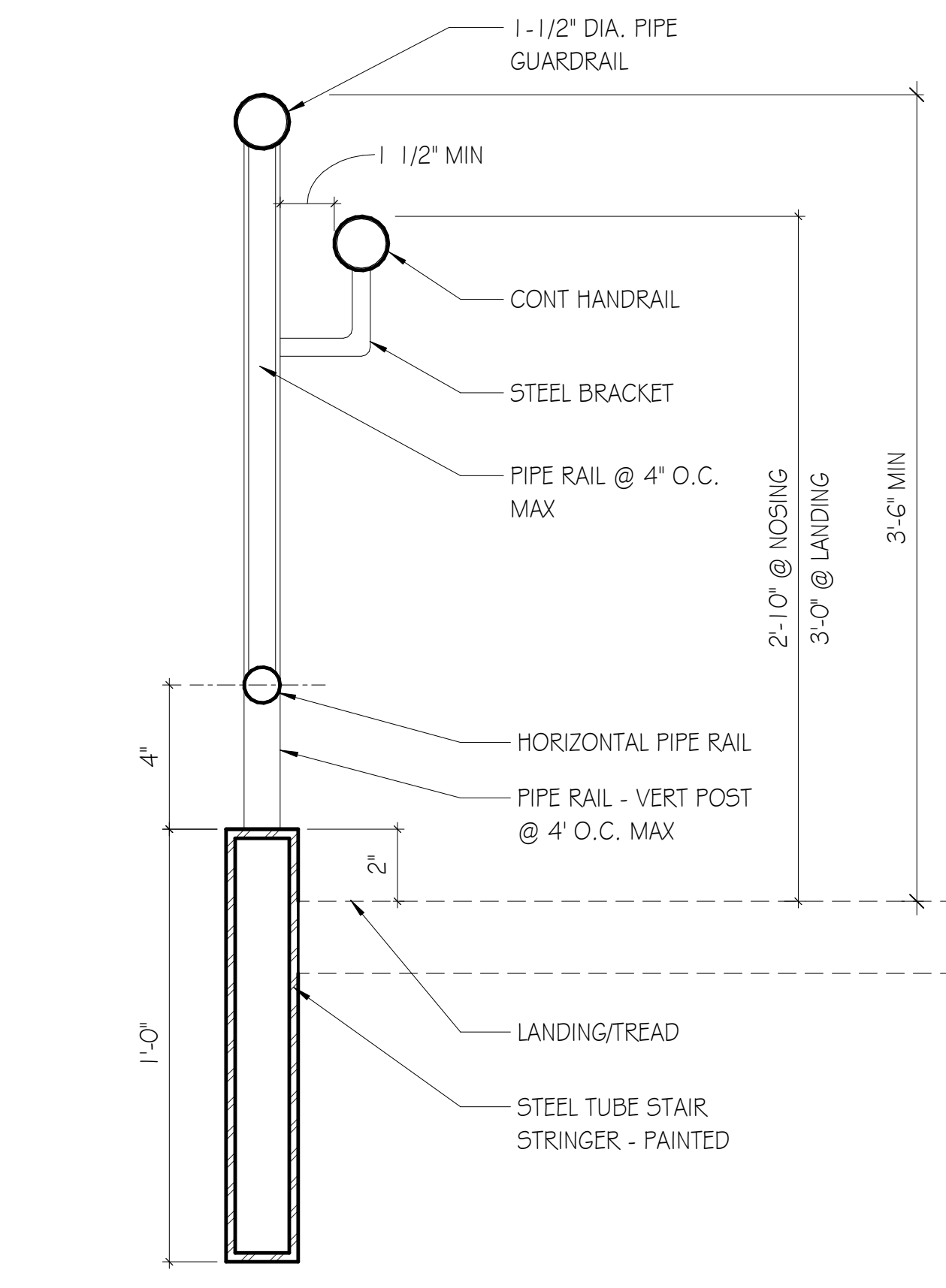
RAIL TYPE	DESCRIPTION	LOCATION	MOUNT	PARTS	MATERIAL	FINISH	COMMENTS
R1	BALUSTER GUARDRAIL WITH HANDRAIL	FIRE EGRESS STAIRS	SMW	GR / HR -1	STL	GALVANIZED	MANUFACTURED
R1	BALUSTER GUARDRAIL WITH HANDRAIL	FIRE EGRESS STAIRS	SMW	GR / HR -1	STL	GALVANIZED	MANUFACTURED
R2	CABLE GUARDRAIL	GYM TRACK	SSM	GR	STL	PNT	MANUFACTURED
R3	CABLE GUARDRAIL	LOBBY BRIDGE	SSM	GR / HR -1	SSS	SATIN	
R3	CABLE GUARDRAIL WITH HANDRAIL						
R3	CABLE GUARDRAIL WITH HANDRAIL						
R3	CABLE GUARDRAIL	LOBBY BRIDGE	SSM	GR / HR -1	SSS	SATIN	

* FOR R2 ELEVATIONS AND SECTIONS, SEE A5.23

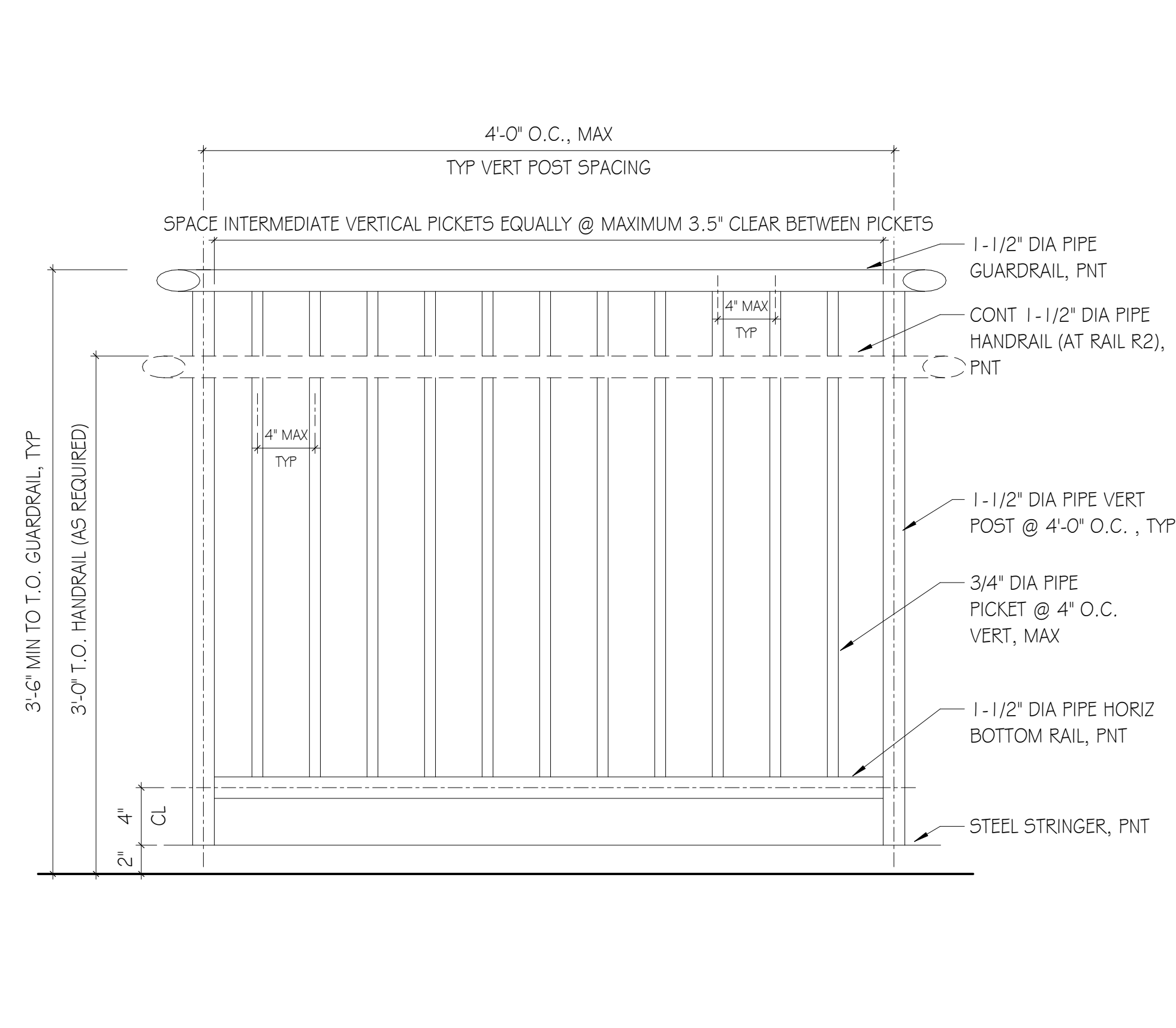


D1 CABLE RAIL SECTION - R3
SCALE: 1 1/2" = 1'-0"

D4 CABLE RAIL ELEVATION - R3
SCALE: 1 1/2" = 1'-0"



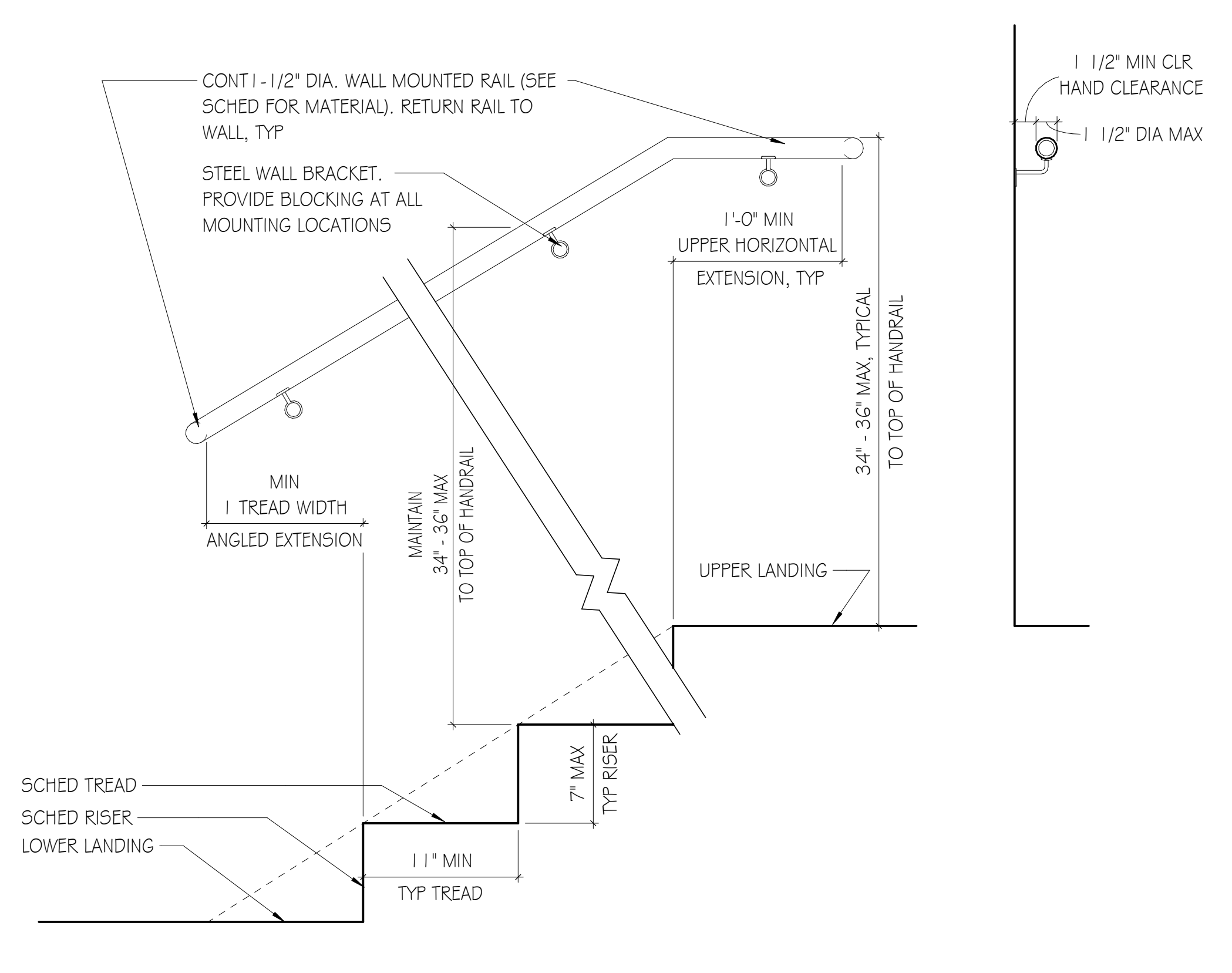
A1 TYPICAL RAIL MOUNT - R1
SCALE: 3" = 1'-0"



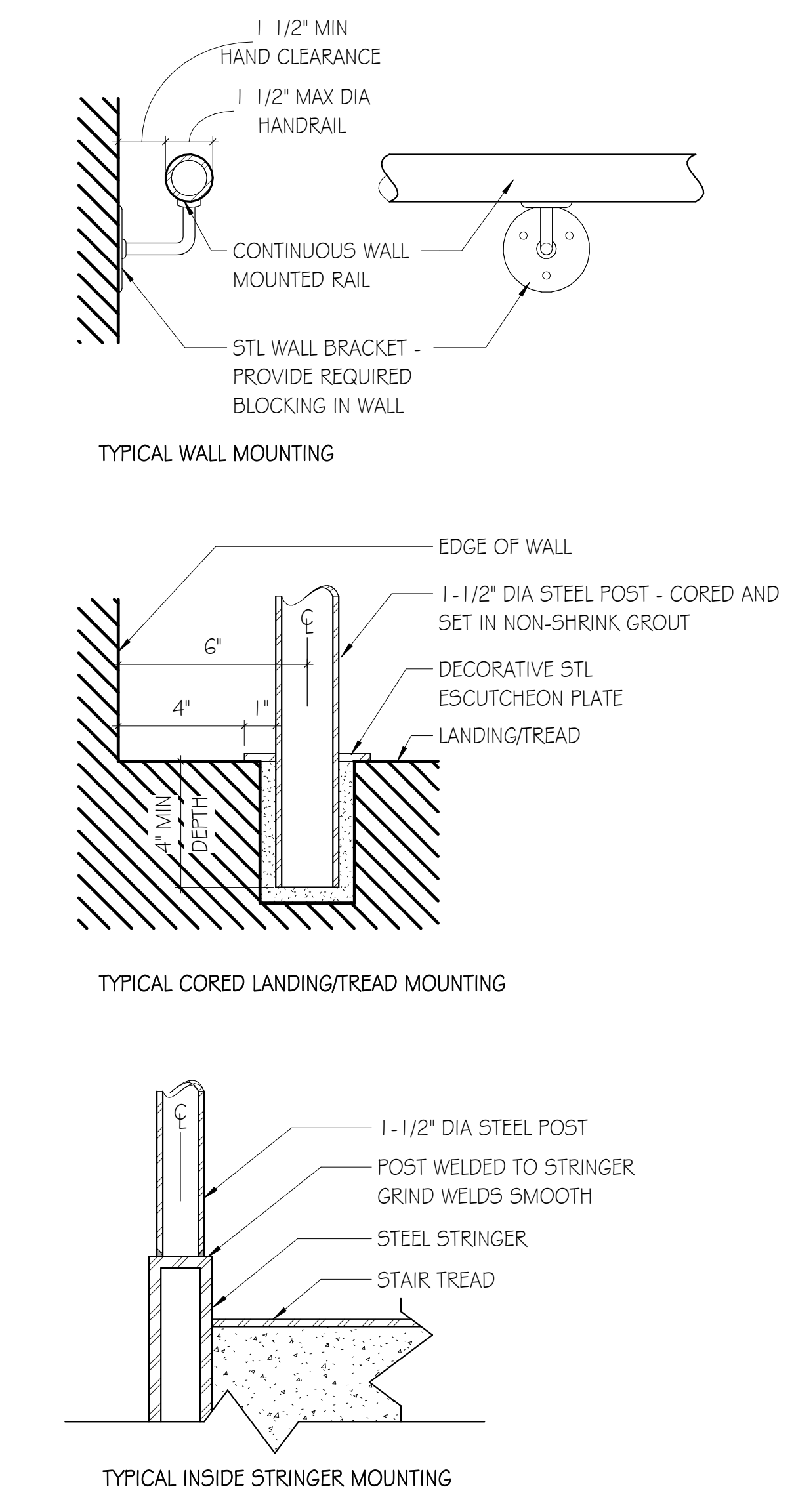
A4 TYPICAL GUARDRAIL ELEVATION - R1
SCALE: 1 1/2" = 1'-0"

RAILING ABBREVIATIONS

- WM - WALL MOUNTED
- FMW - FLOOR MOUNTED/WELDED TO EMBED
- FMC - FLOOR (TREAD/LANDING) MOUNTED/WELDED
- PF - PREFINISHED
- PNT - PAINTED FINISH
- SSS - STAINLESS STEEL
- STL - STEEL
- G - GLASS RAILING INFILL
- HR-1 - HANDRAIL
- HR-2 - DOUBLE SIDED HANDRAIL
- GR - GUARDRAIL
- SMW - STRINGER MOUNTED/WELDED
- ALUM - ALUMINUM
- CBL - CABLE RAILING INFILL
- WD - WOOD
- STN - STAINED FINISH
- SL - SEALED FINISH
- WI - WROUGHT IRON
- SSM - SIDE STRINGER MOUNTED



A7 TYPICAL WALL MOUNTED HANDRAIL - SLOPED EXTENSION
SCALE: 1 1/2" = 1'-0"



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RAILING SCHEDULE & DETAILS

A5.41

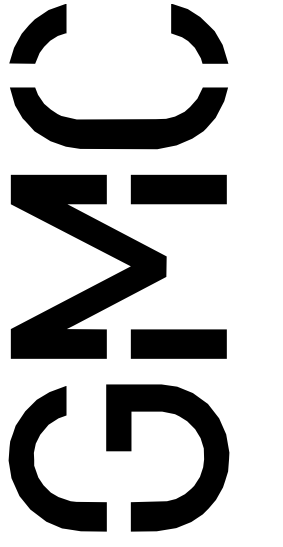
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DOOR SCHEDULE

Table with columns: LOCATION, SIZE, DOOR, FRAME, HARDWARE, DETAILS, and NUMBERED NOTES. Rows include 100A VESTIBULE, 100B VESTIBULE, 101A RECEPTION, etc.

DOOR NUMBERED NOTES

- 01 ROLLING COUNTER DOOR
02 CASED OPENING
03 CARD READER ACCESS
04 FULL HEIGHT VERTICAL PULL BAR
05 EXTERIOR PULL HANDLE
06 FULL WIDTH HORIZONTAL PUSH BAR
07 EXIT DEVICE - PUSH BAR
08 90° DOOR SWING LIMITER
09 CLOSER ARM HOLD OPEN - PUSH SIDE
10 CENTER MULLION
11 REMOVABLE CENTER MULLION



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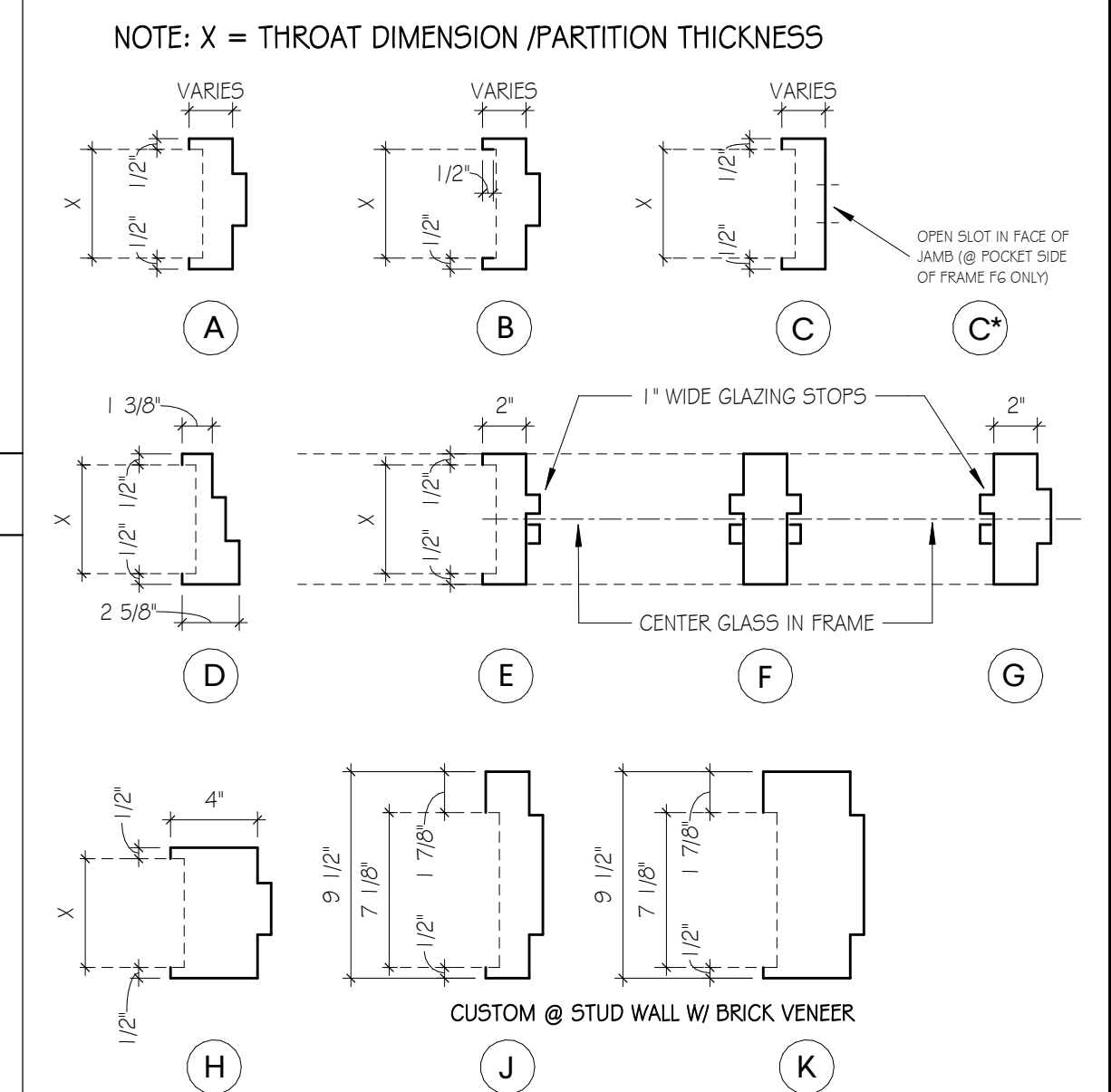
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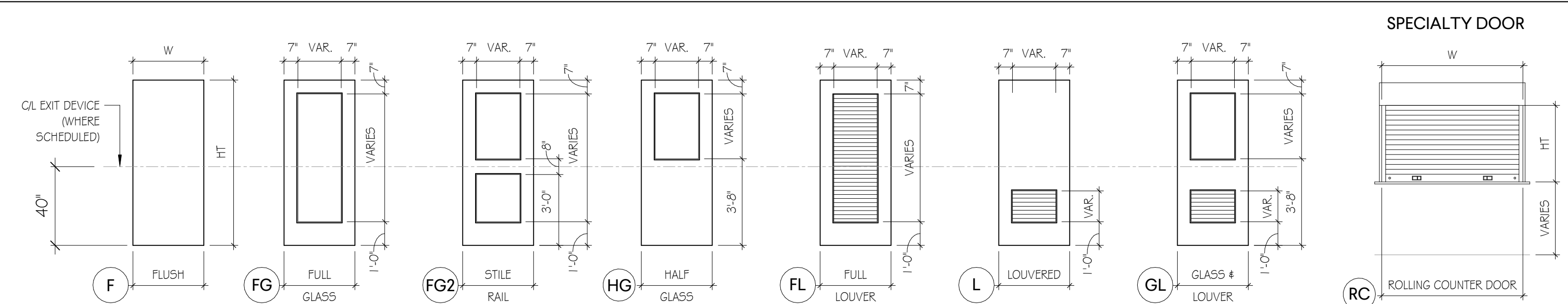
DOOR GENERAL NOTES

- 1) GENERAL:
A. DOOR AND/OR FRAME CONSTRUCTION SHALL BE AS SPECIFIED UNLESS NOTED OTHERWISE.
B. ALL TYPES OF DOORS ARE REPRESENTED IN THIS SCHEDULE FOR CONVENIENCE.
2) MATERIAL AND FINISH:
A. MATERIALS AND FINISHES INDICATED ON THE SCHEDULE ARE AS FOLLOWS:
3) GLASS:
A. GLASS TYPES INDICATED ON THE SCHEDULE ARE AS FOLLOWS (SEE SPECIFICATION SECTIONS 08 0000 "GLAZING" & 13 4900 "RADIATION PROTECTION"):
4) LOUVERS:
A. DOOR LOUVER TYPES INDICATION ON THE SCHEDULE ARE AS FOLLOWS:
5) DOOR HARDWARE:
A. "HARDWARE SET NUMBER" REFERS TO HARDWARE SETS SPECIFIED IN SPECIFICATION SECTION 08 7100 "DOOR HARDWARE".

FRAME TYPES - HOLLOW METAL



DOOR TYPES - WOOD + HOLLOW METAL SWING DOORS



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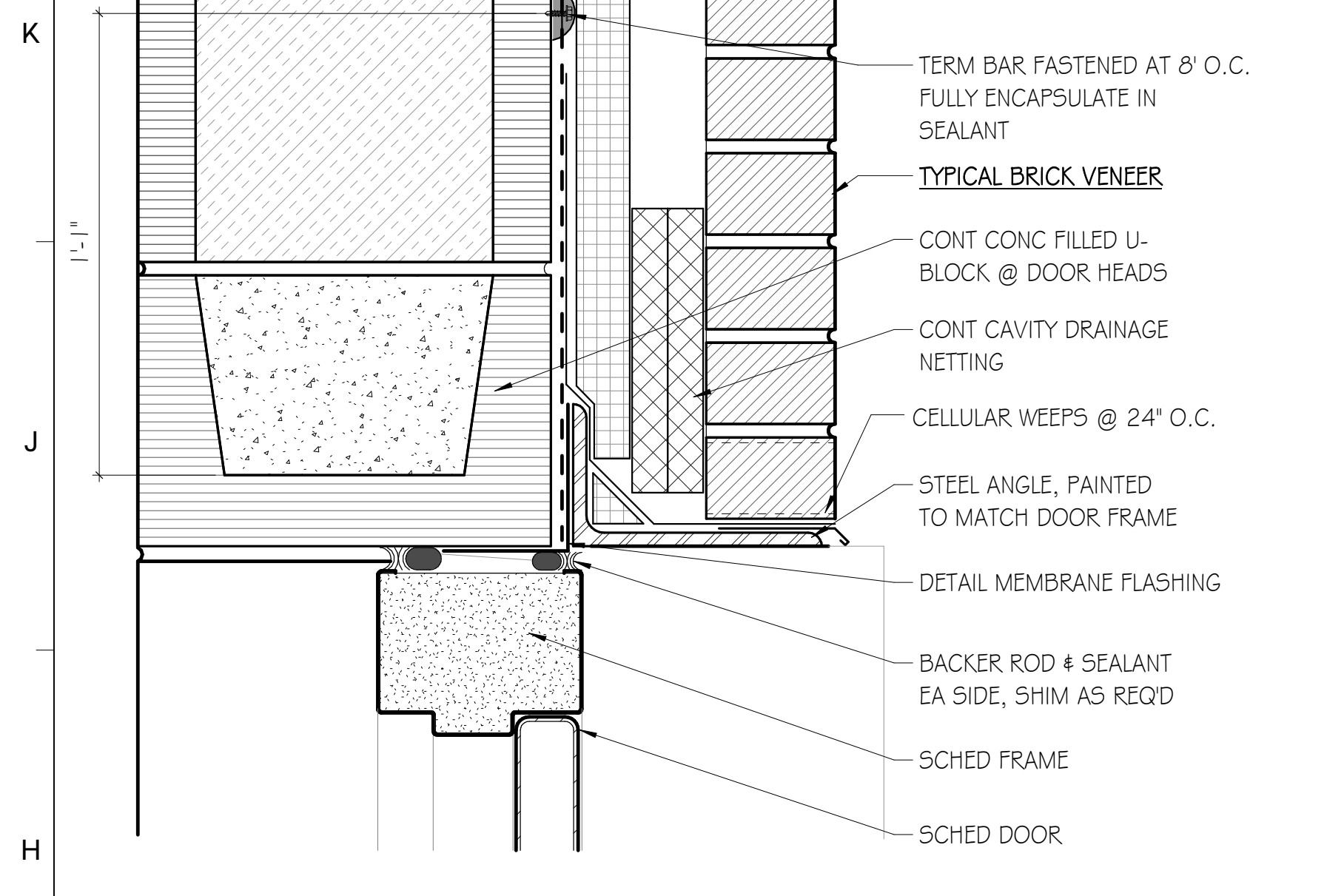


DOOR SCHEDULE, LEGEND, & NOTES

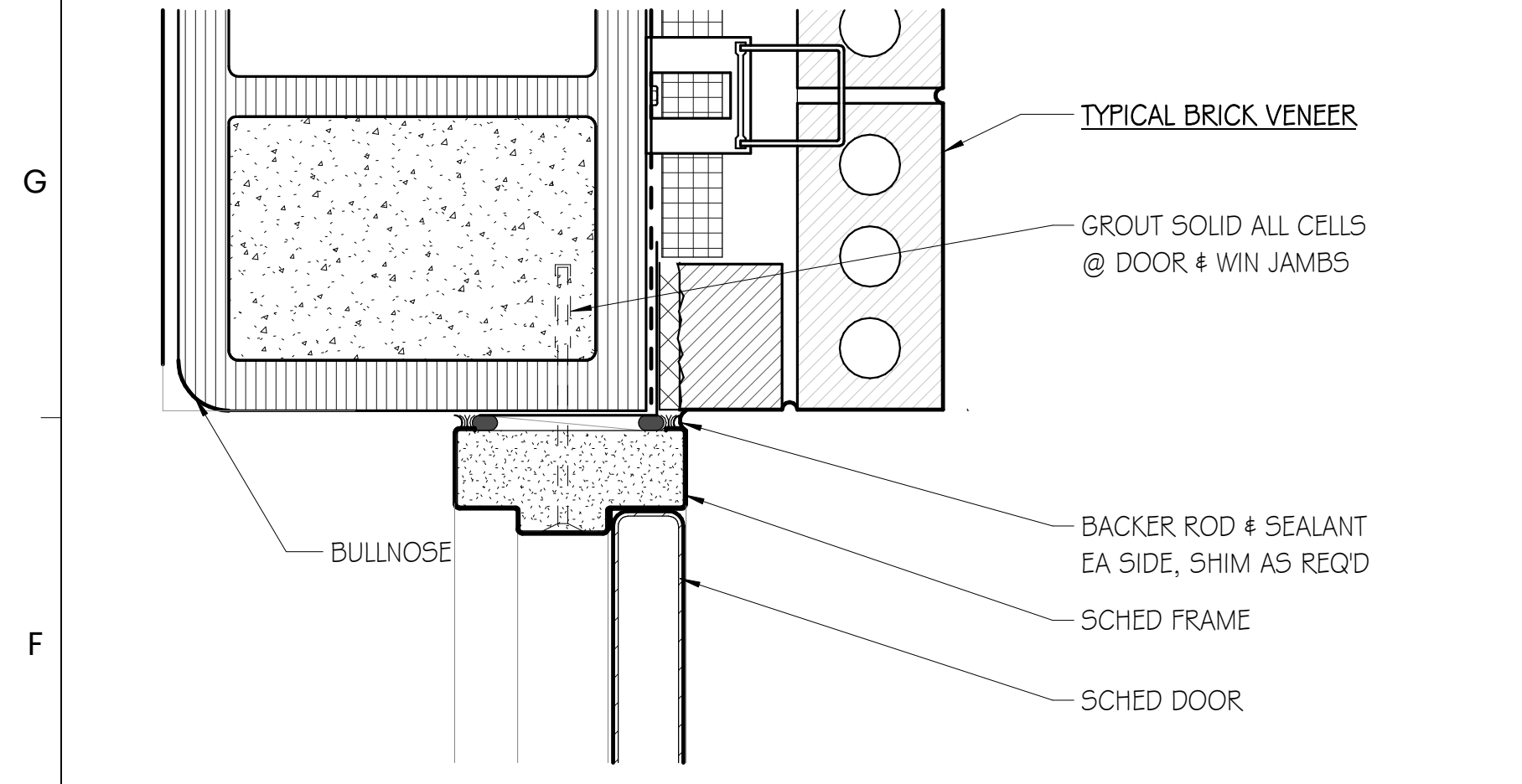
A6.01

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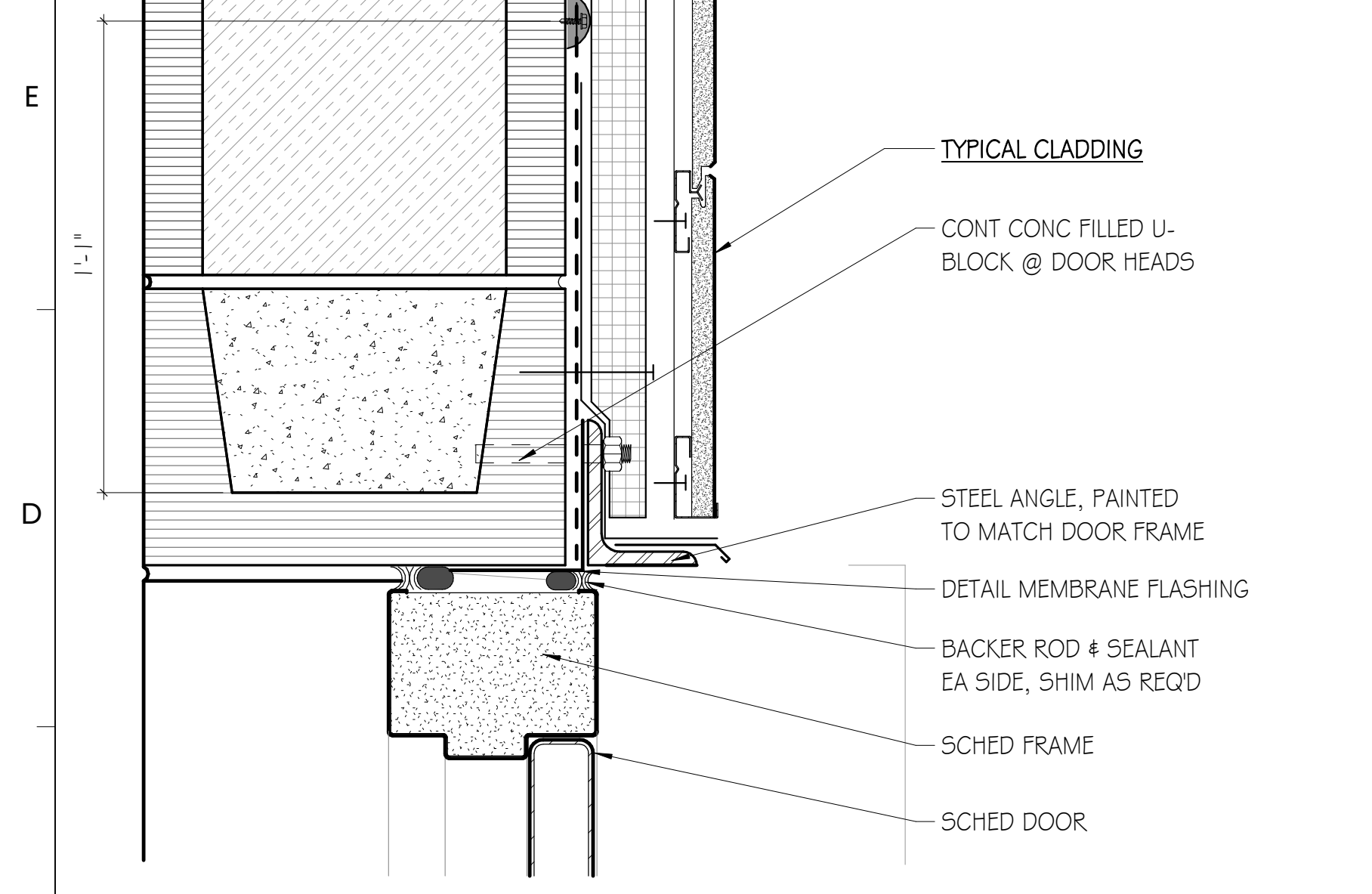
GENERAL NOTE:
ALL INTERIOR GYP OPENINGS TO BE LINED WITH CORNER BEAD



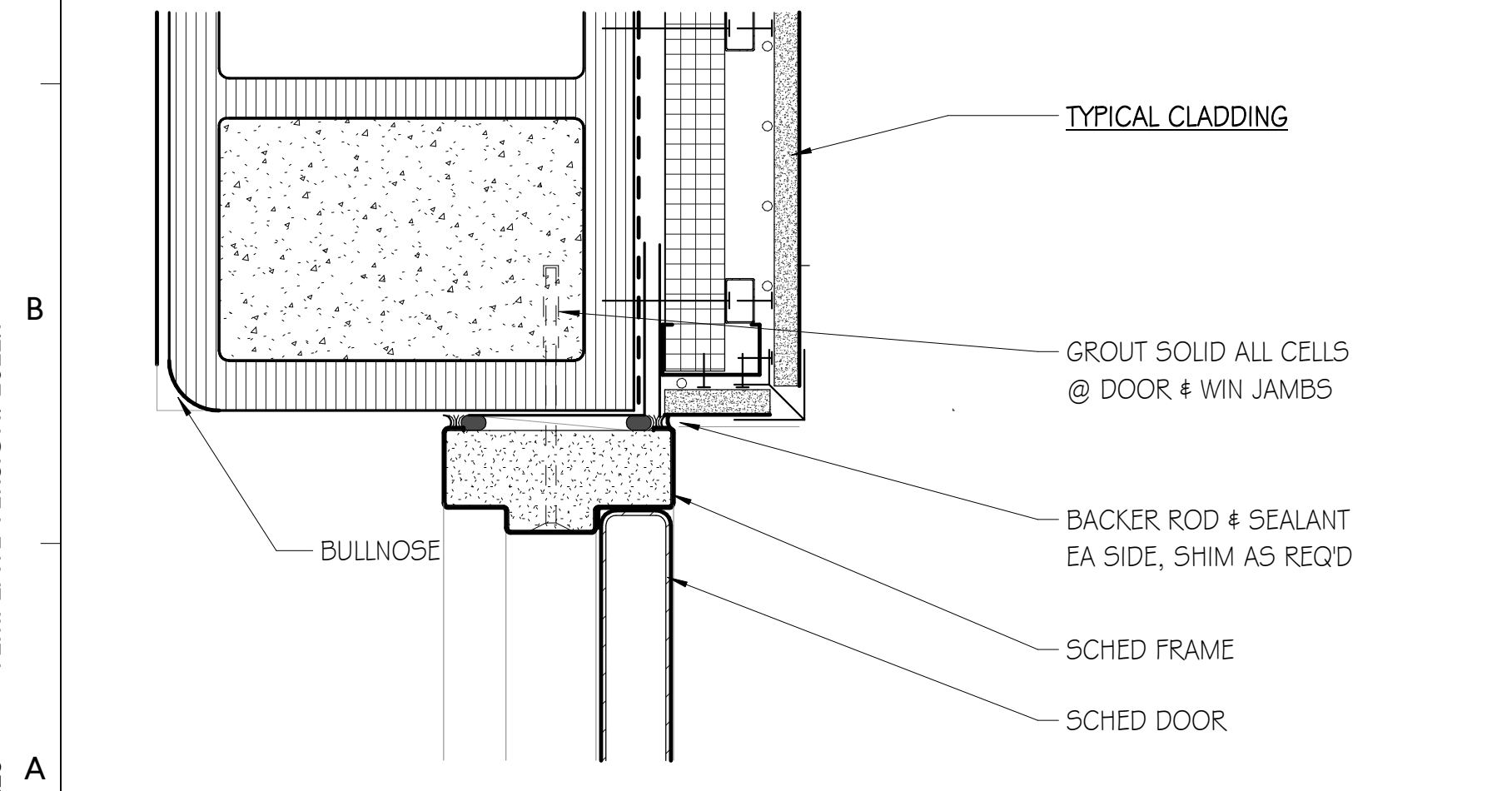
H1 EXT HM DOOR HEAD - CMU/BRICK
SCALE: 3"=1'-0"



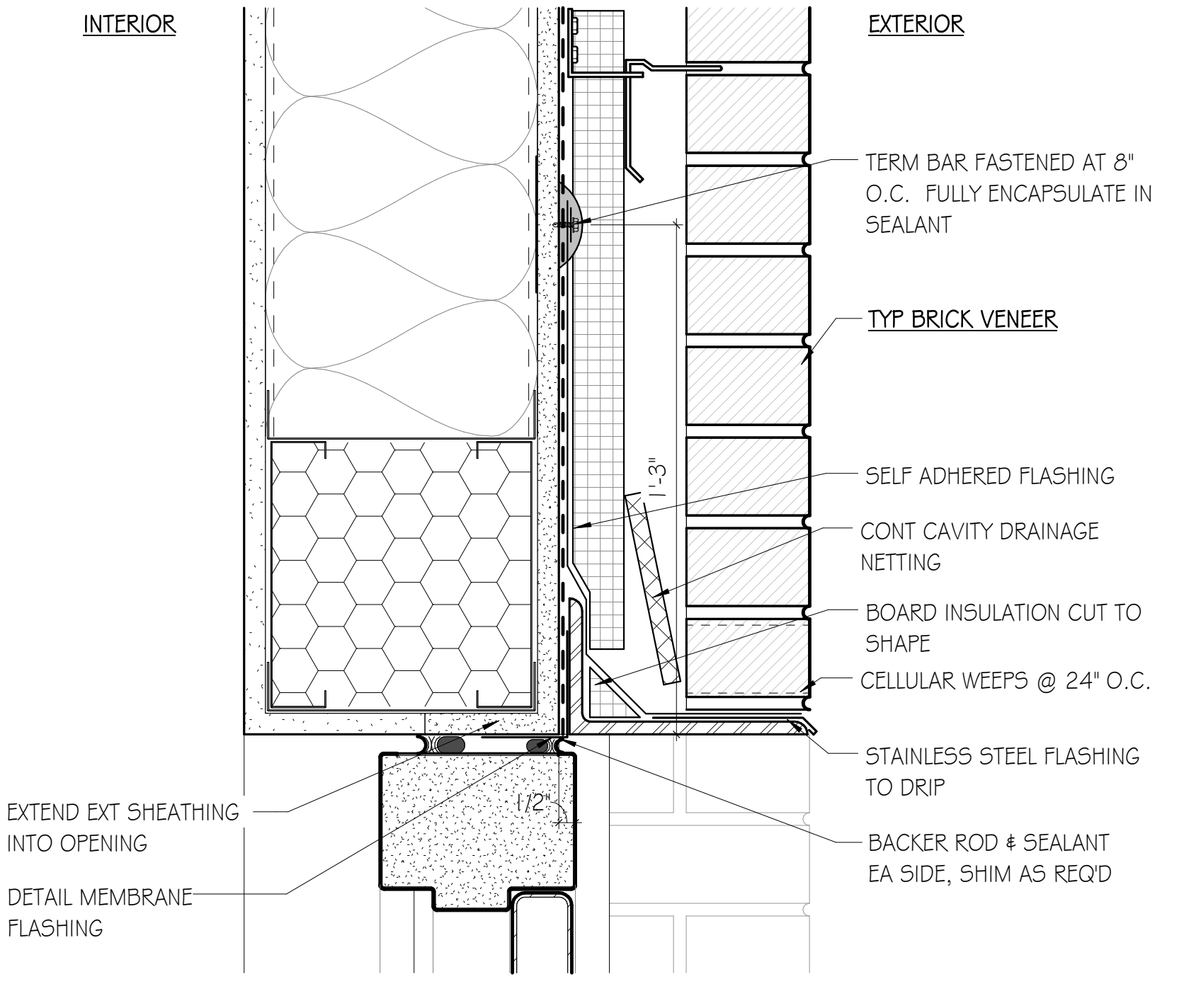
F1 EXT HM DOOR JAMB - CMU/BRICK
SCALE: 3"=1'-0"



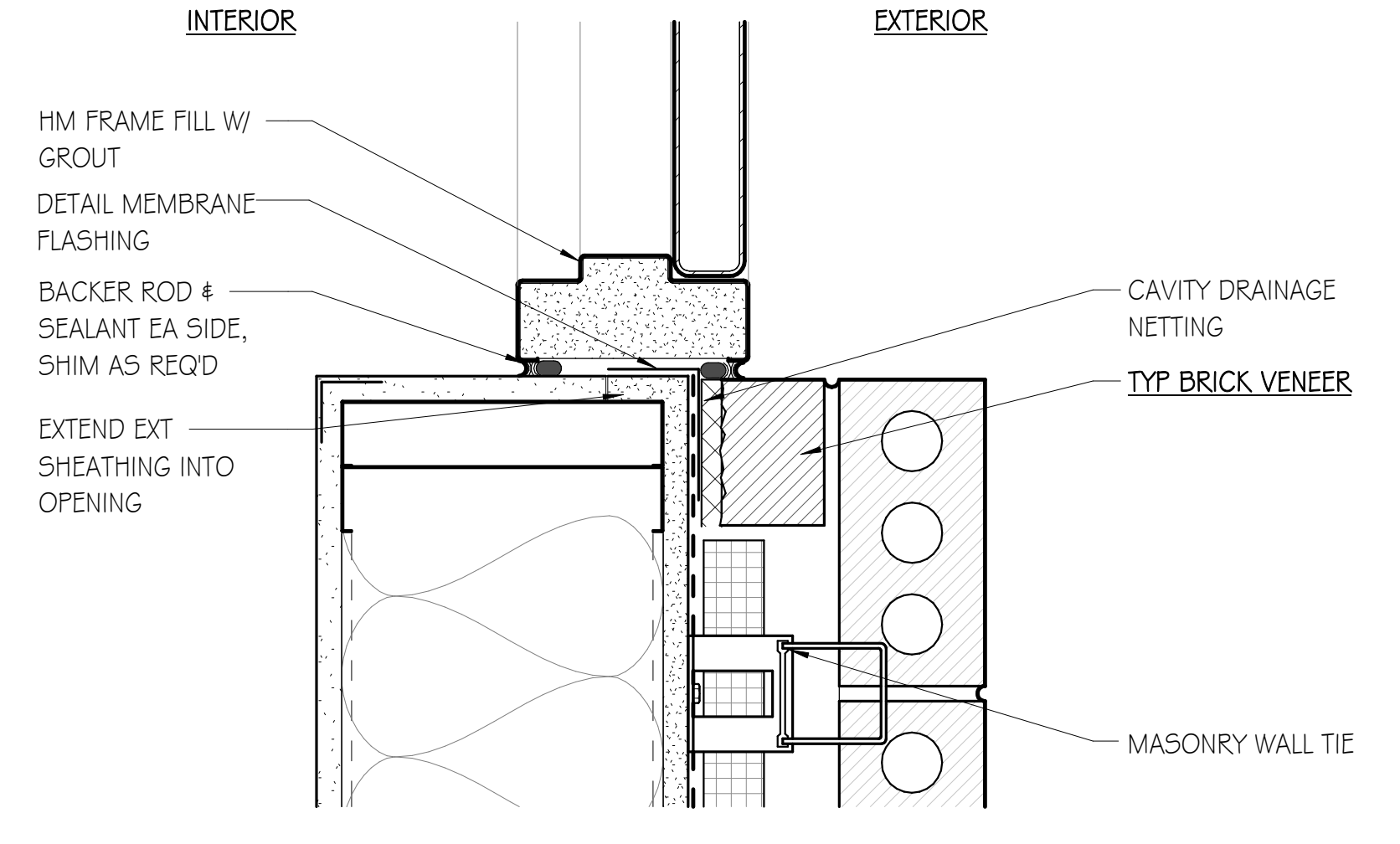
C1 EXT HM DOOR HEAD - CMU/CLADDING
SCALE: 3"=1'-0"



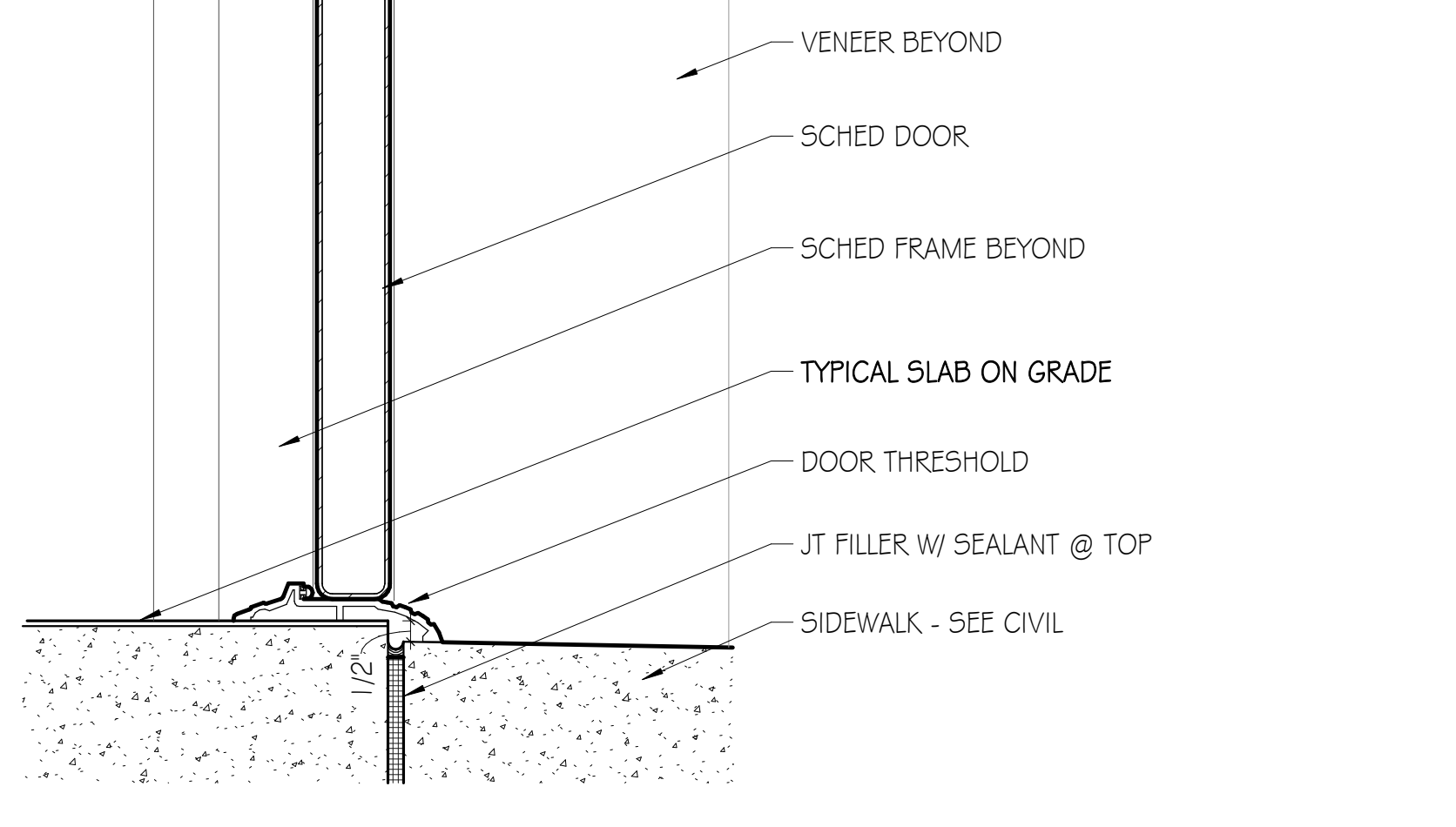
A1 EXT HM DOOR JAMB - CMU/CLADDING
SCALE: 3"=1'-0"



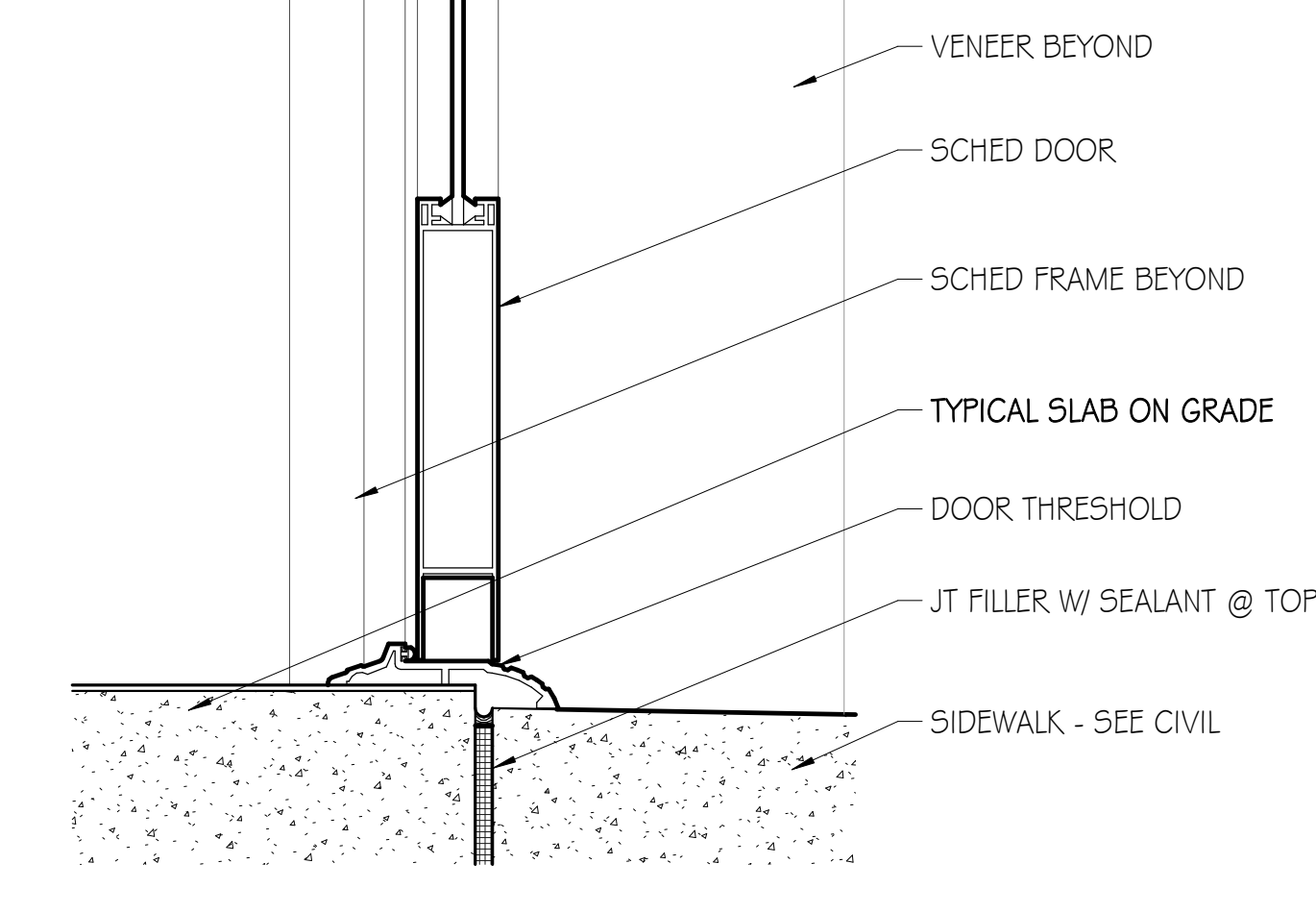
H4 EXT HM DOOR HEAD - STUD/BRICK
SCALE: 3"=1'-0"



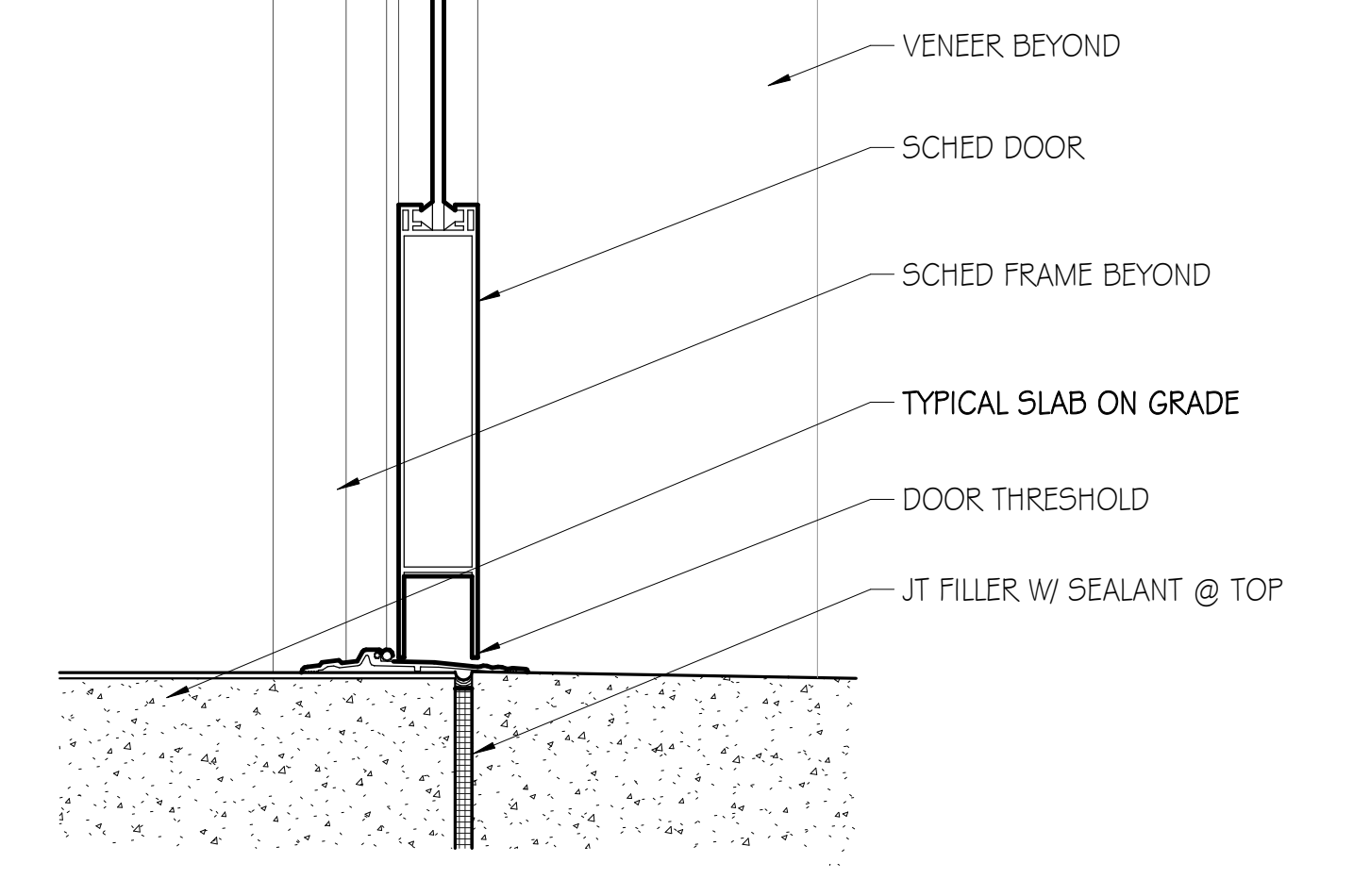
E4 EXT HM DOOR JAMB - STUD/BRICK
SCALE: 3"=1'-0"



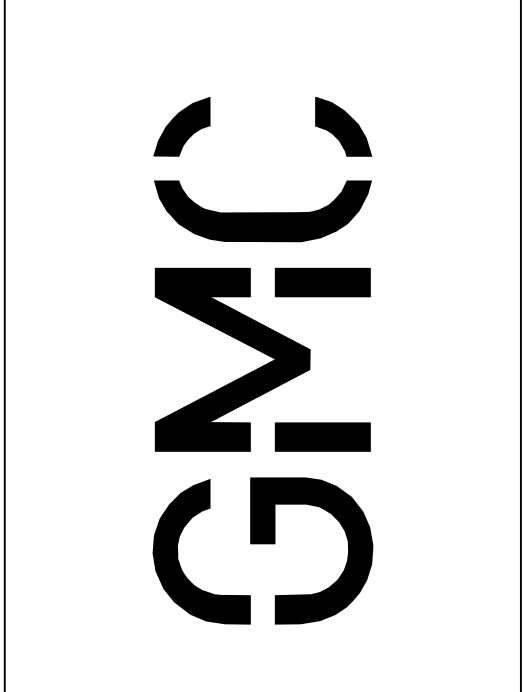
A4 EXT HM DOOR THRESHOLD
SCALE: 3"=1'-0"



A8 EXT AL DOOR THRESHOLD
SCALE: 3"=1'-0"



A11 EXT AL DOOR THRESHOLD - ADA
SCALE: 3"=1'-0"



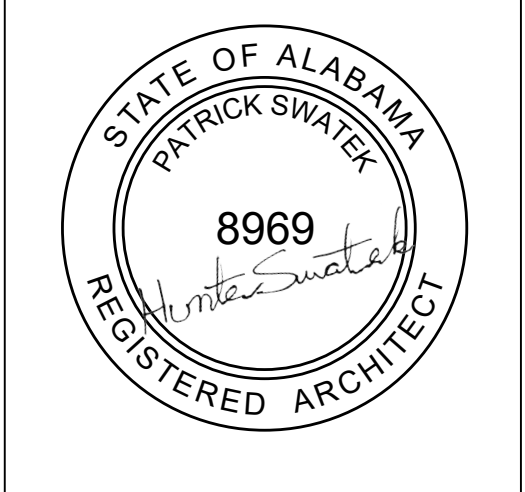
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Birmingham, AL 35233
T 205.879.4462
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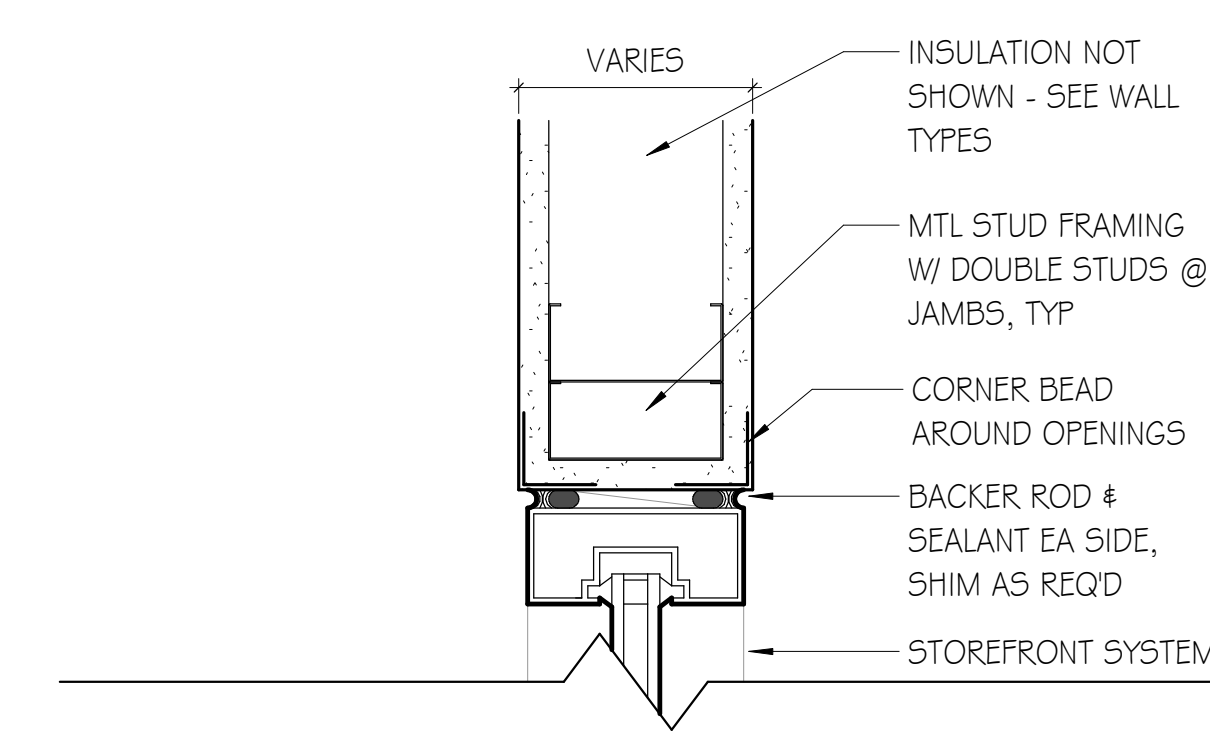
GMC # ABHM230021



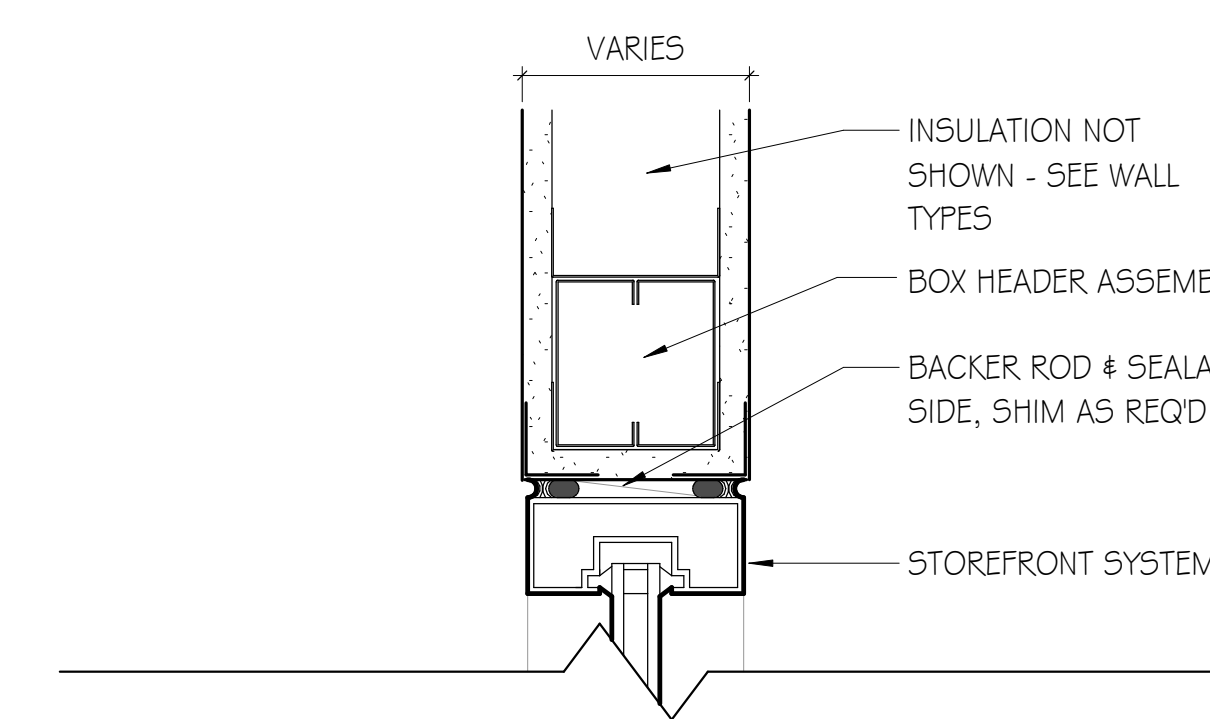
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30-May-24 11:48:29 TEMPLATE VERSION: 2022.1

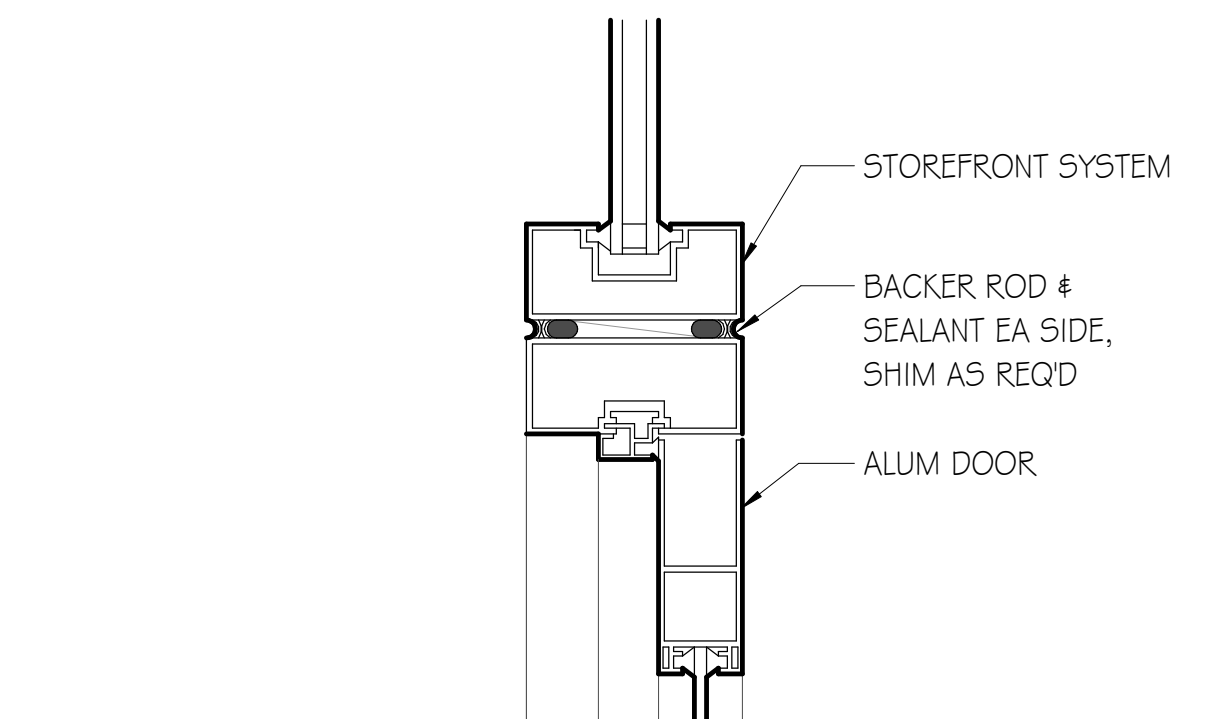
GENERAL NOTE:
ALL INTERIOR GYP OPENINGS TO BE LINED WITH CORNER BEAD



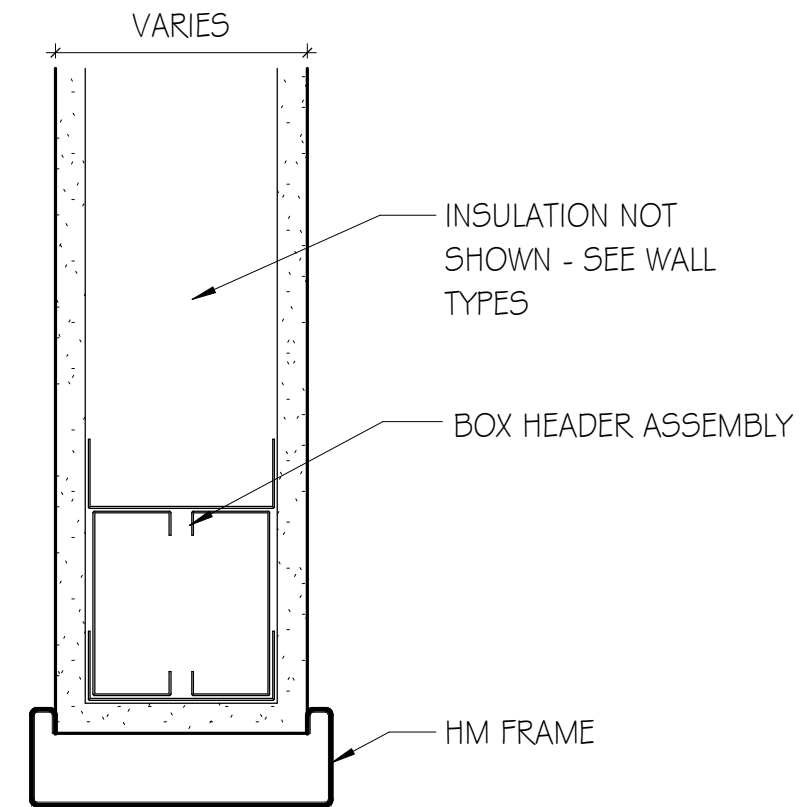
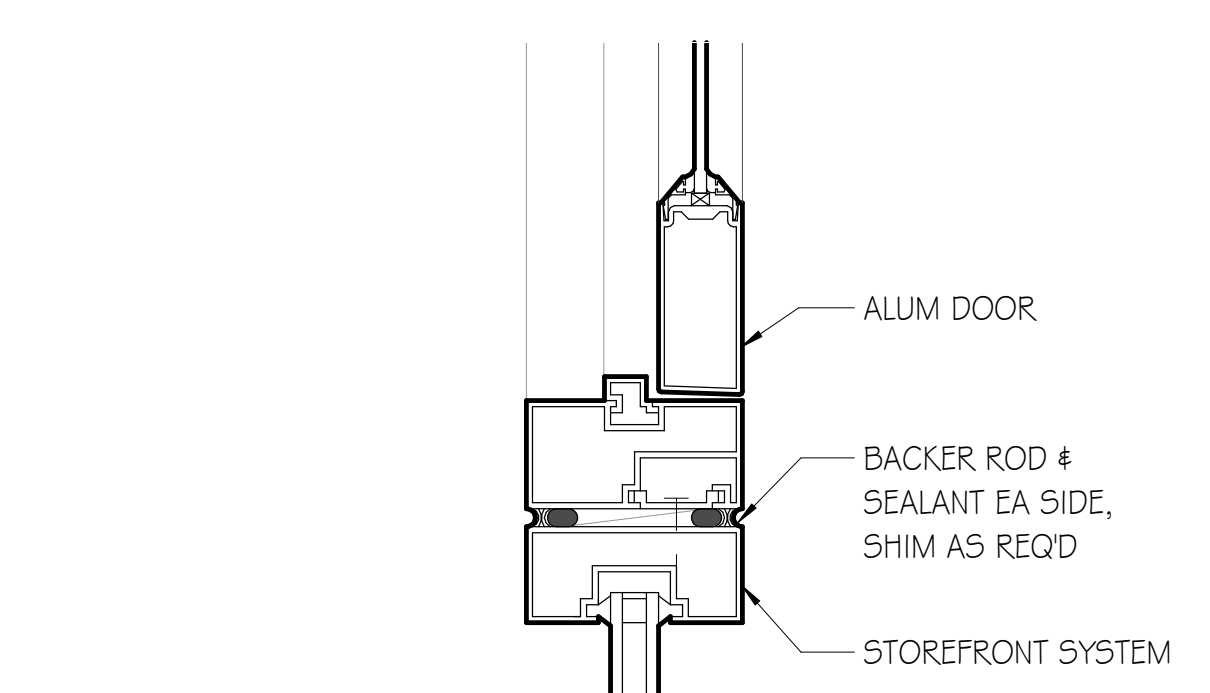
H1 INT GYP-ALUM DOOR HEAD @ SF
SCALE: 3"=1'-0"



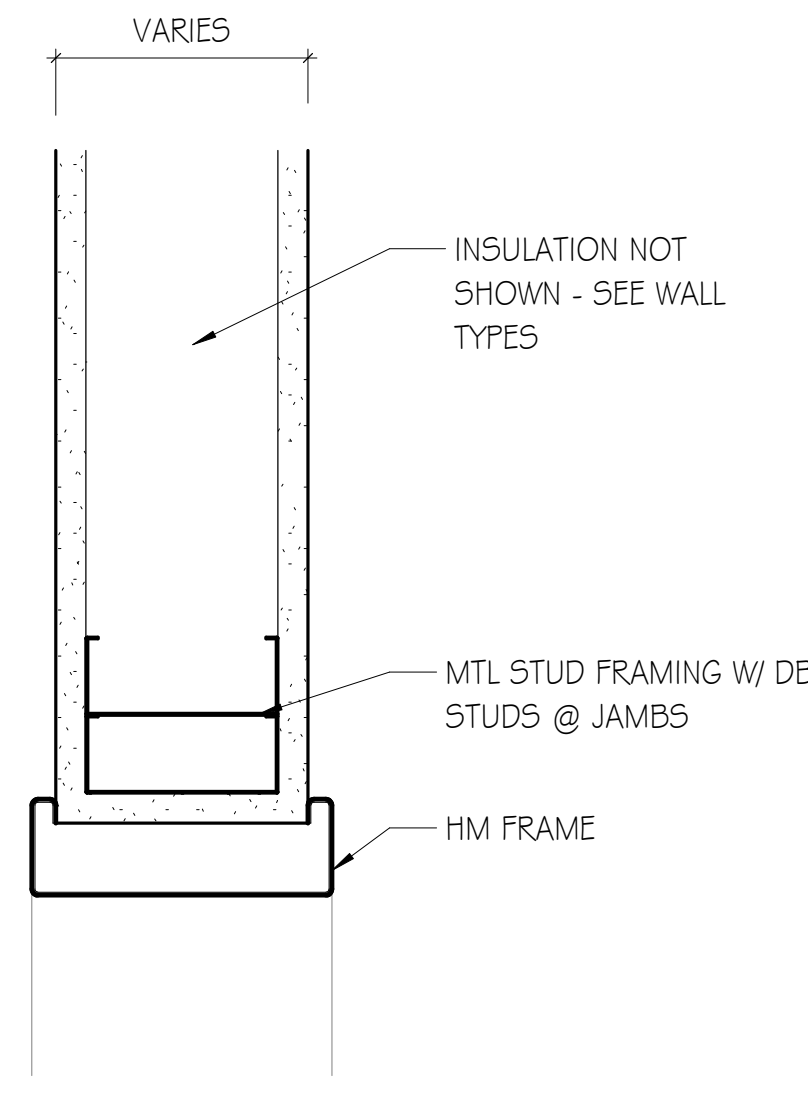
F4 INT STUD CASD DOOR JAMB @ SF
SCALE: 3"=1'-0"



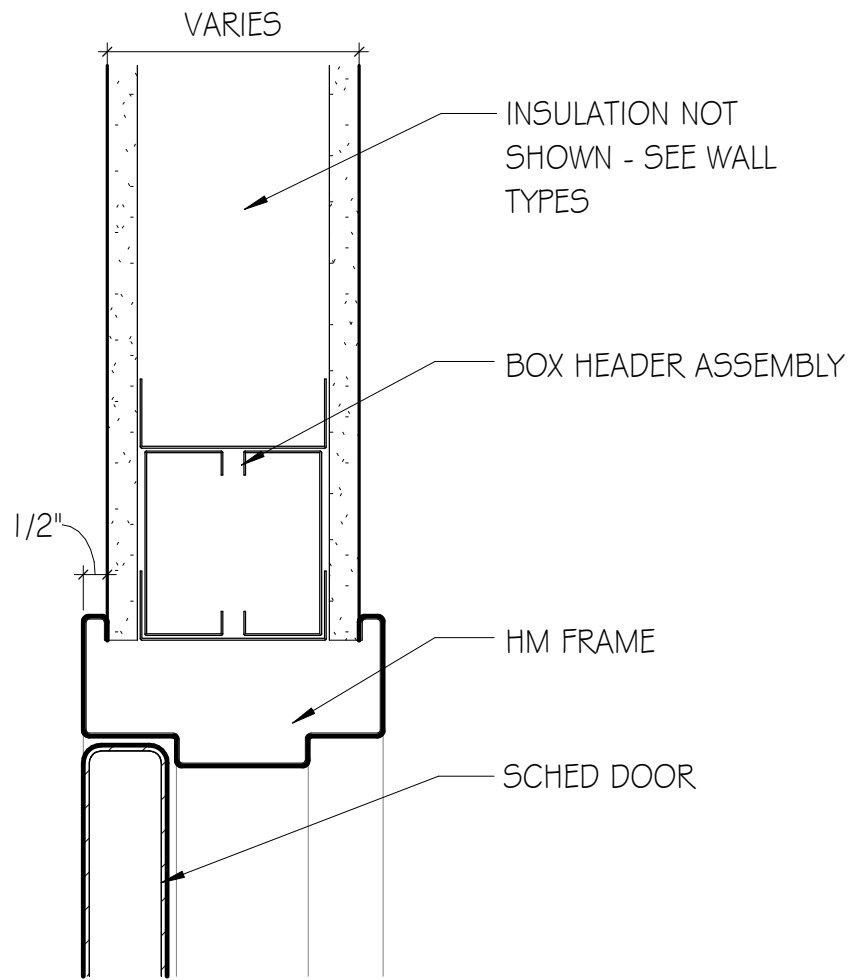
A1 EXT AL DOOR HEAD & JAMB @ SF
SCALE: 3"=1'-0"



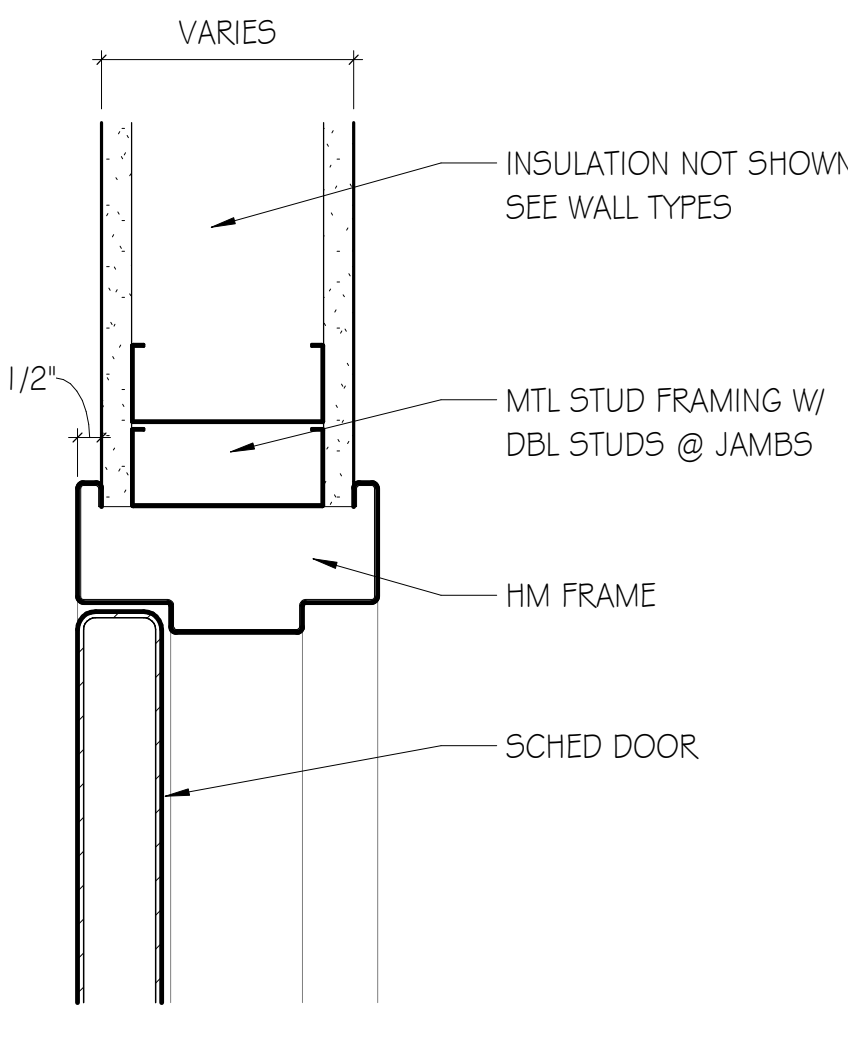
J4 INT STUD CASD DOOR HEAD
SCALE: 3"=1'-0"



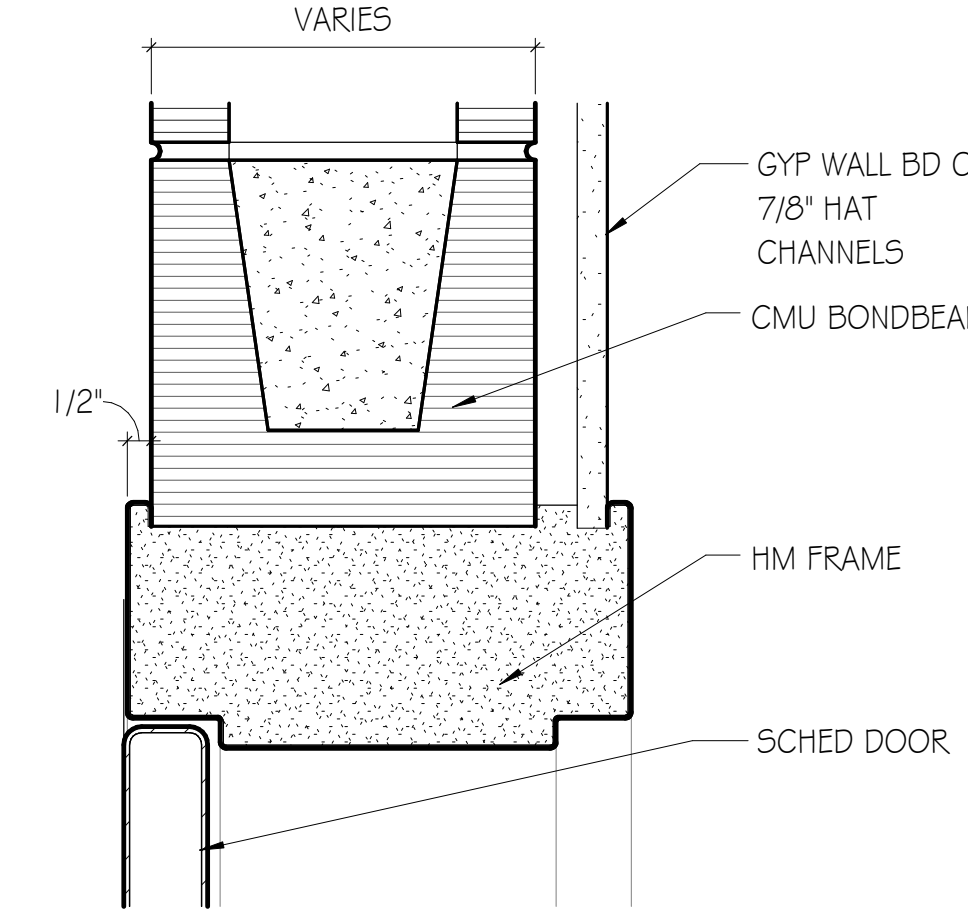
F6 INT HM JAMB - MTL STUD
SCALE: 3"=1'-0"



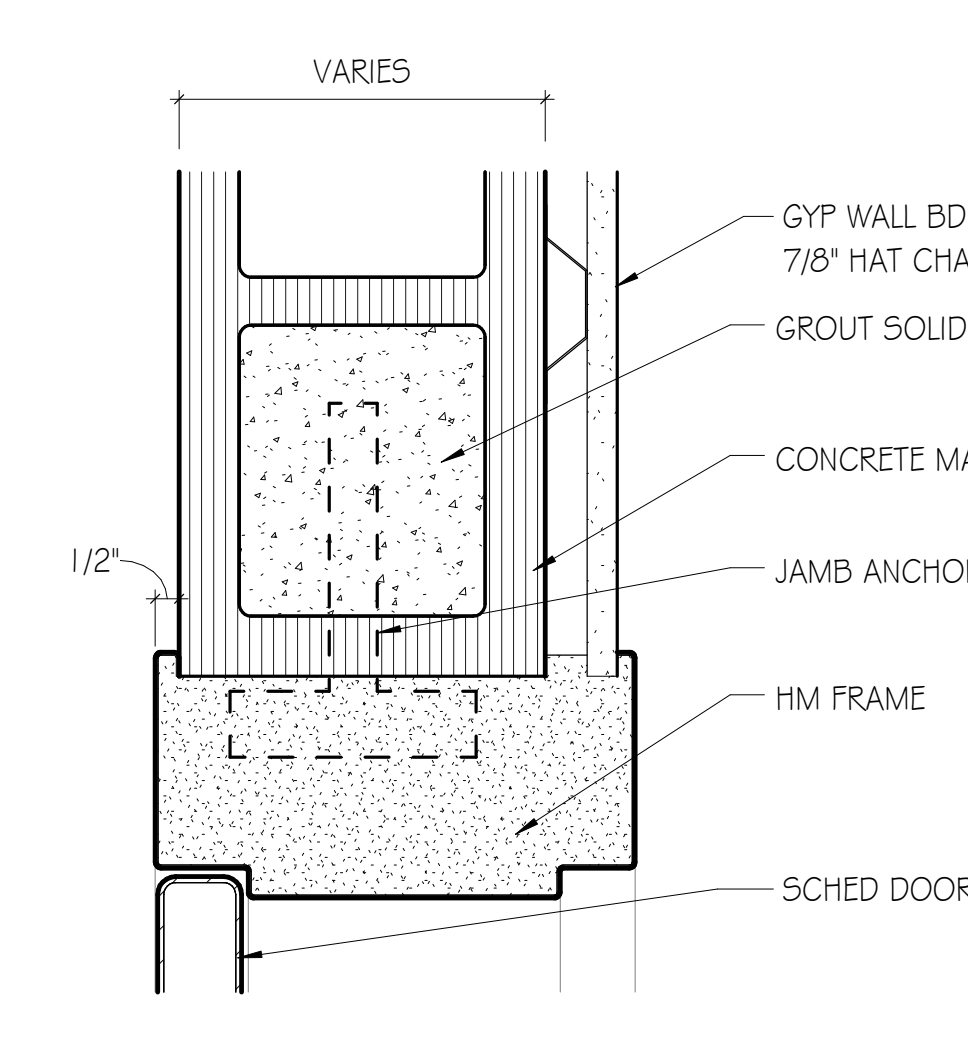
J6 INT HM HEAD - MTL STUD
SCALE: 3"=1'-0"



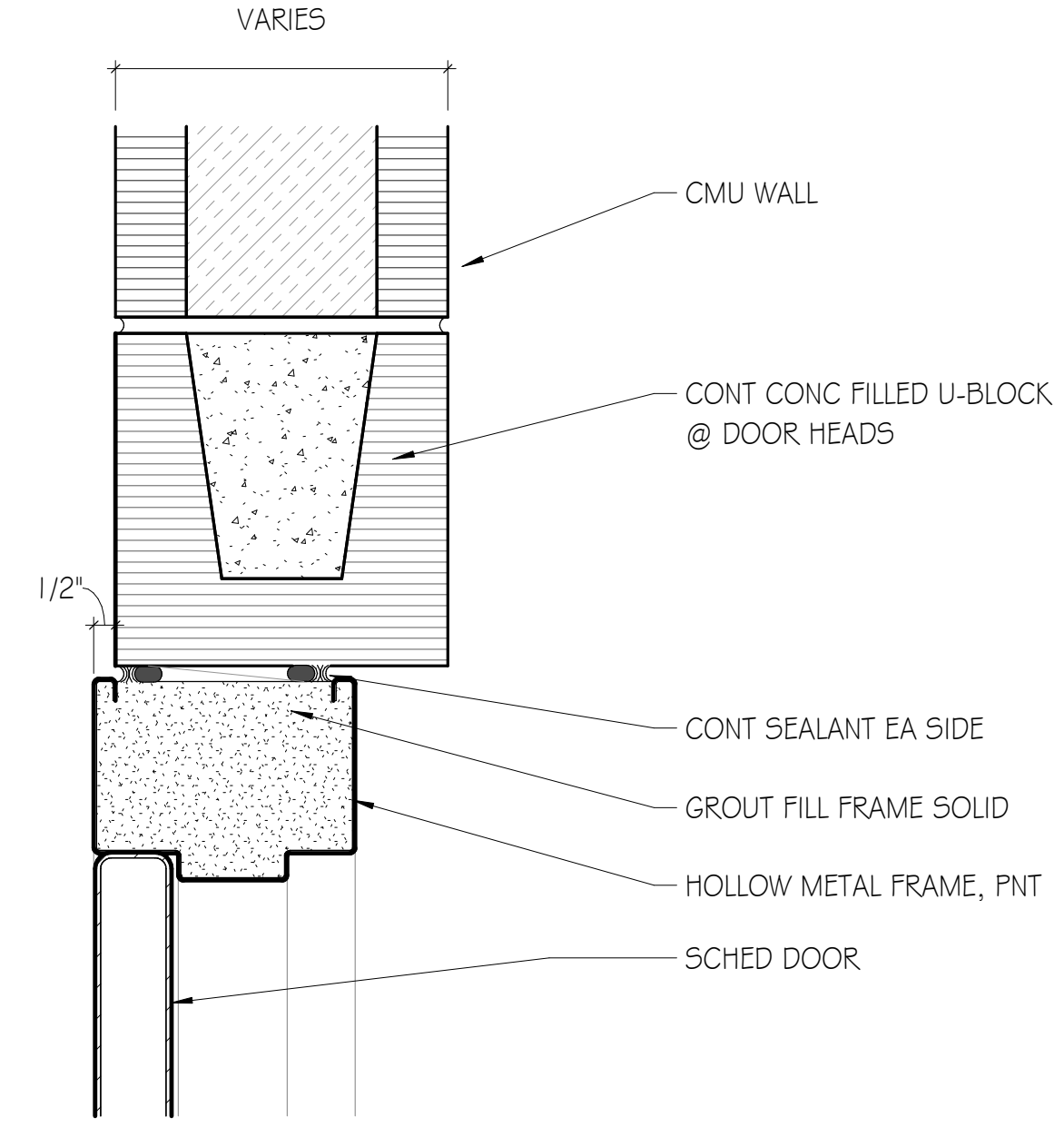
F8 INT HM JAMB - CMU
SCALE: 3"=1'-0"



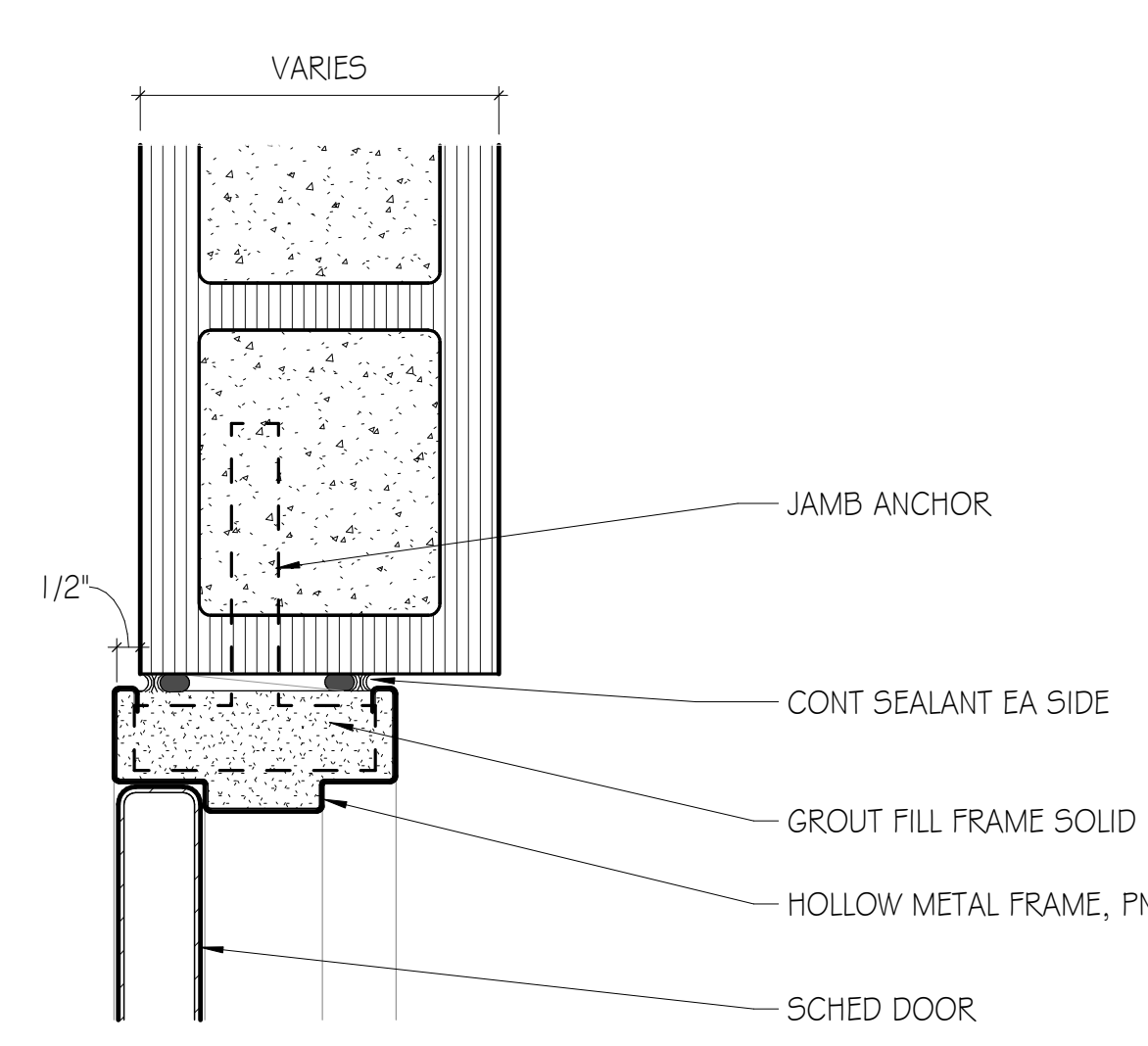
J8 INT HM HEAD - CMU
SCALE: 3"=1'-0"



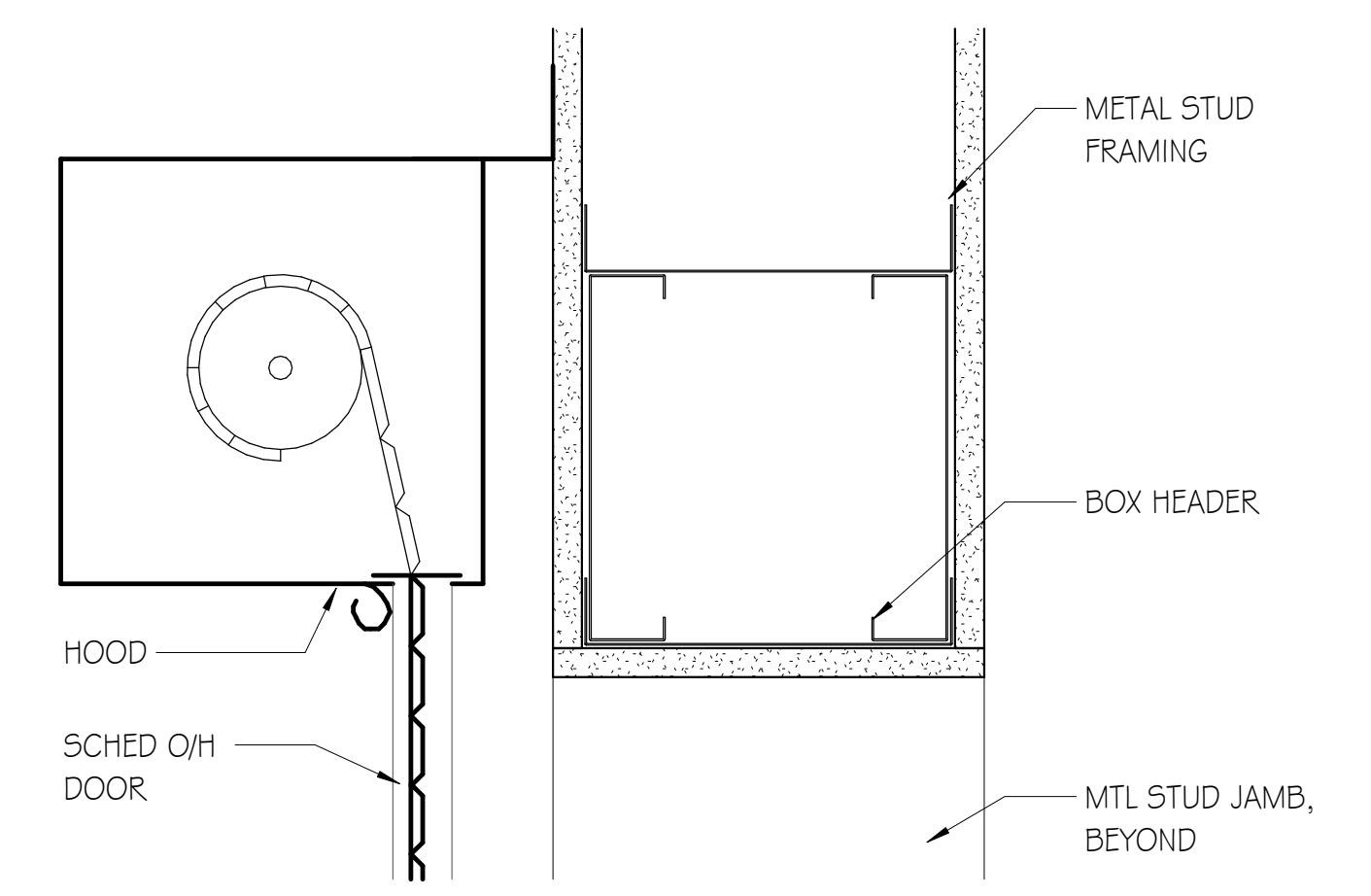
F10 INT HM JAMB INSET - CMU
SCALE: 3"=1'-0"



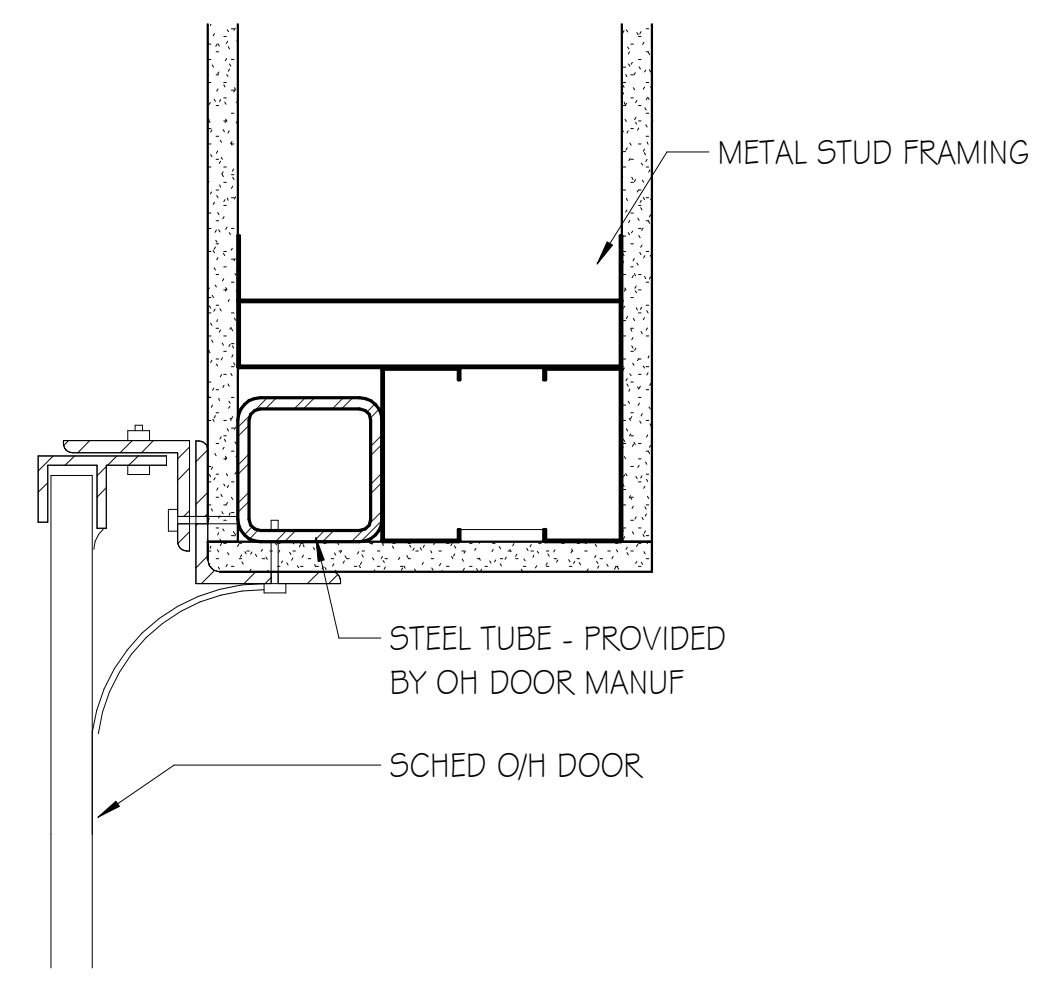
J10 INT HM HEAD INSET - CMU
SCALE: 3"=1'-0"



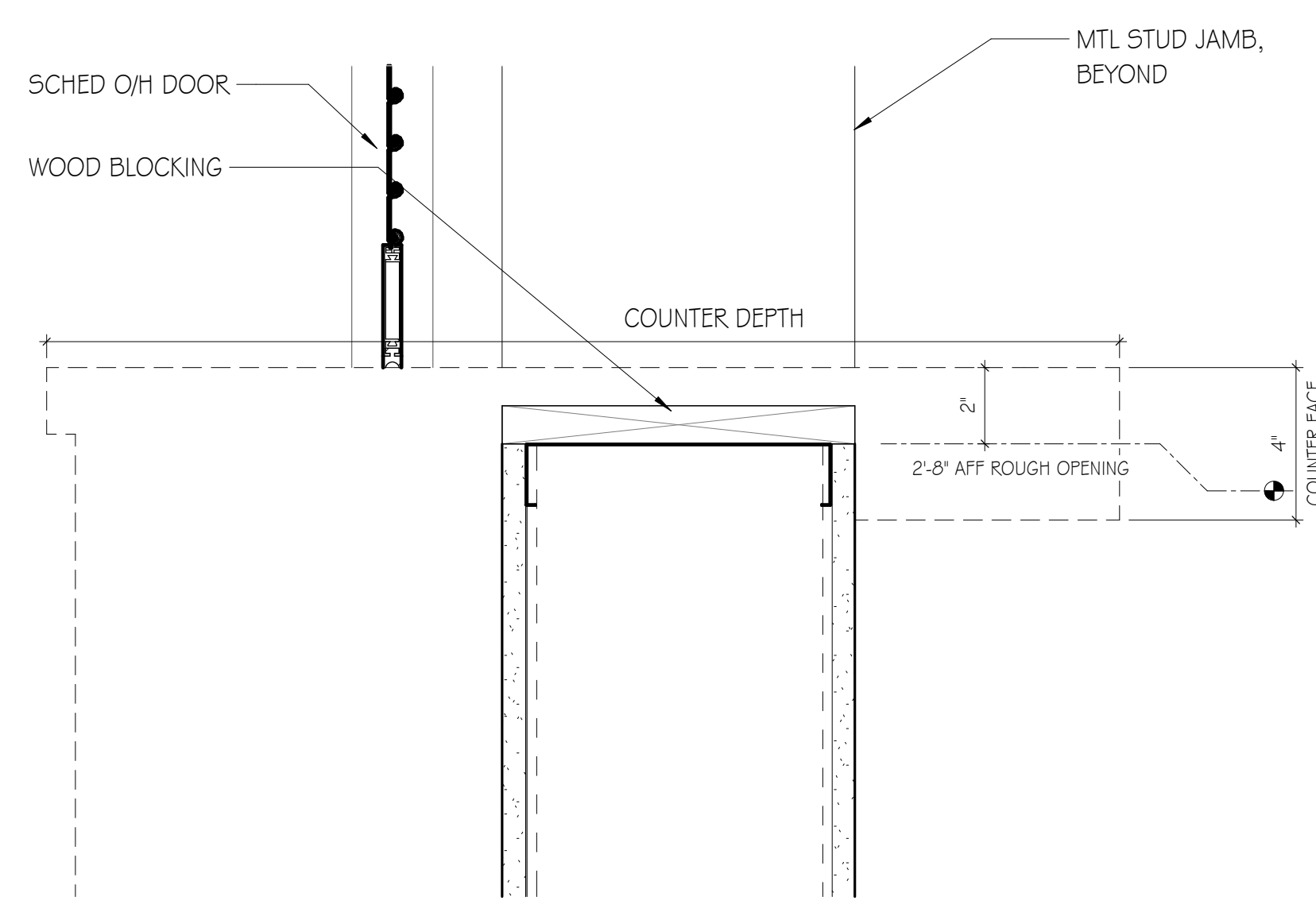
F10 INT HM JAMB INSET - CMU
SCALE: 3"=1'-0"



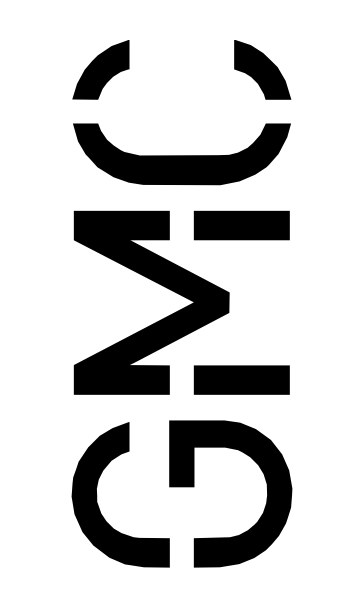
D10 INT O/H DOOR HEAD - STUD
SCALE: 3"=1'-0"



A10 INT O/H DOOR JAMB - STUD
SCALE: 3"=1'-0"



A7 INT O/H DOOR SILL - COUNTER
SCALE: 3"=1'-0"



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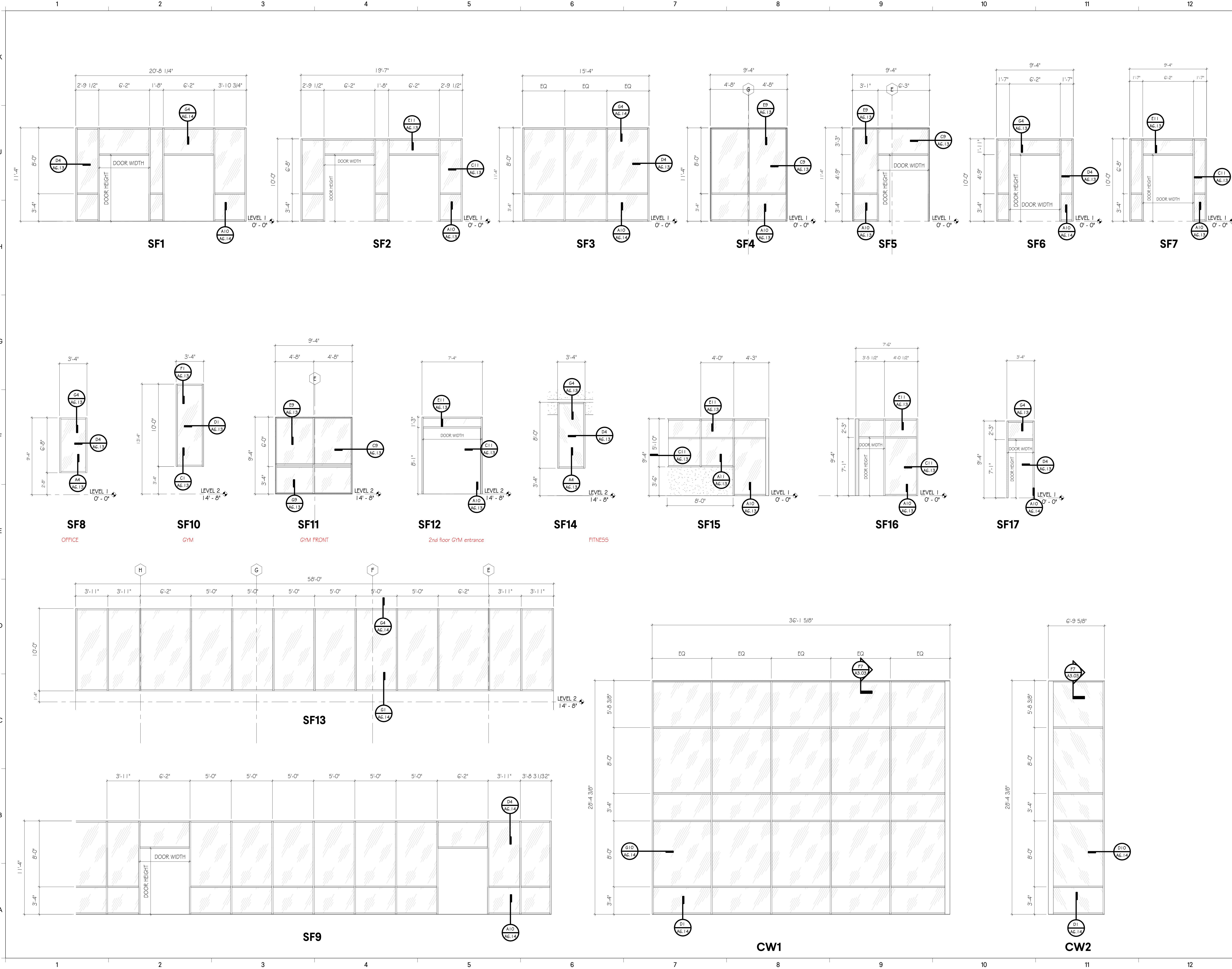
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GMC # ABHM230021
A6.03

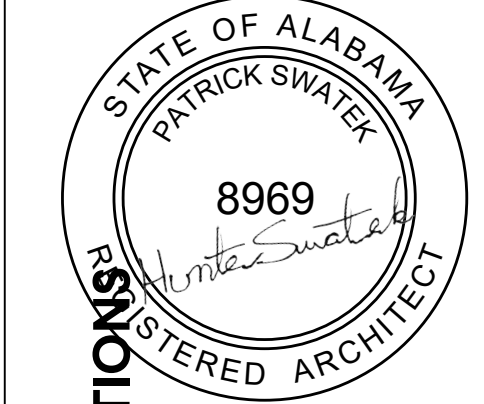
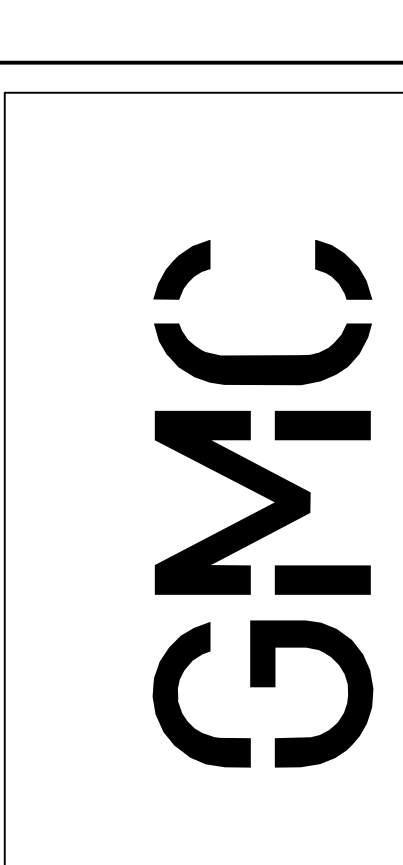


CURTAIN WALL & STOREFRONT ELEVATIONS

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RAINBOW CITY, ALABAMA

ISSUE DATE
IFB SET 05/28/2024

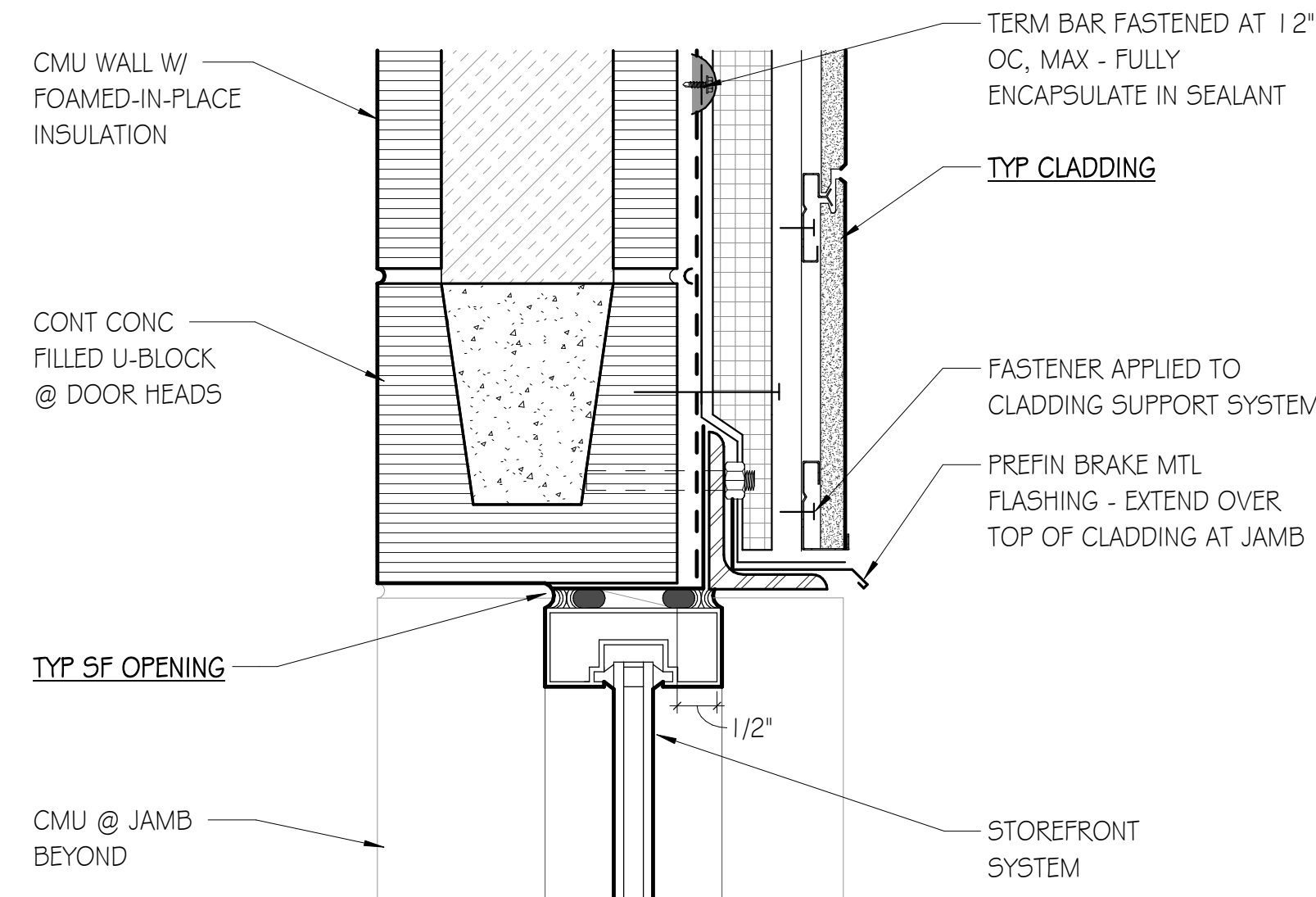
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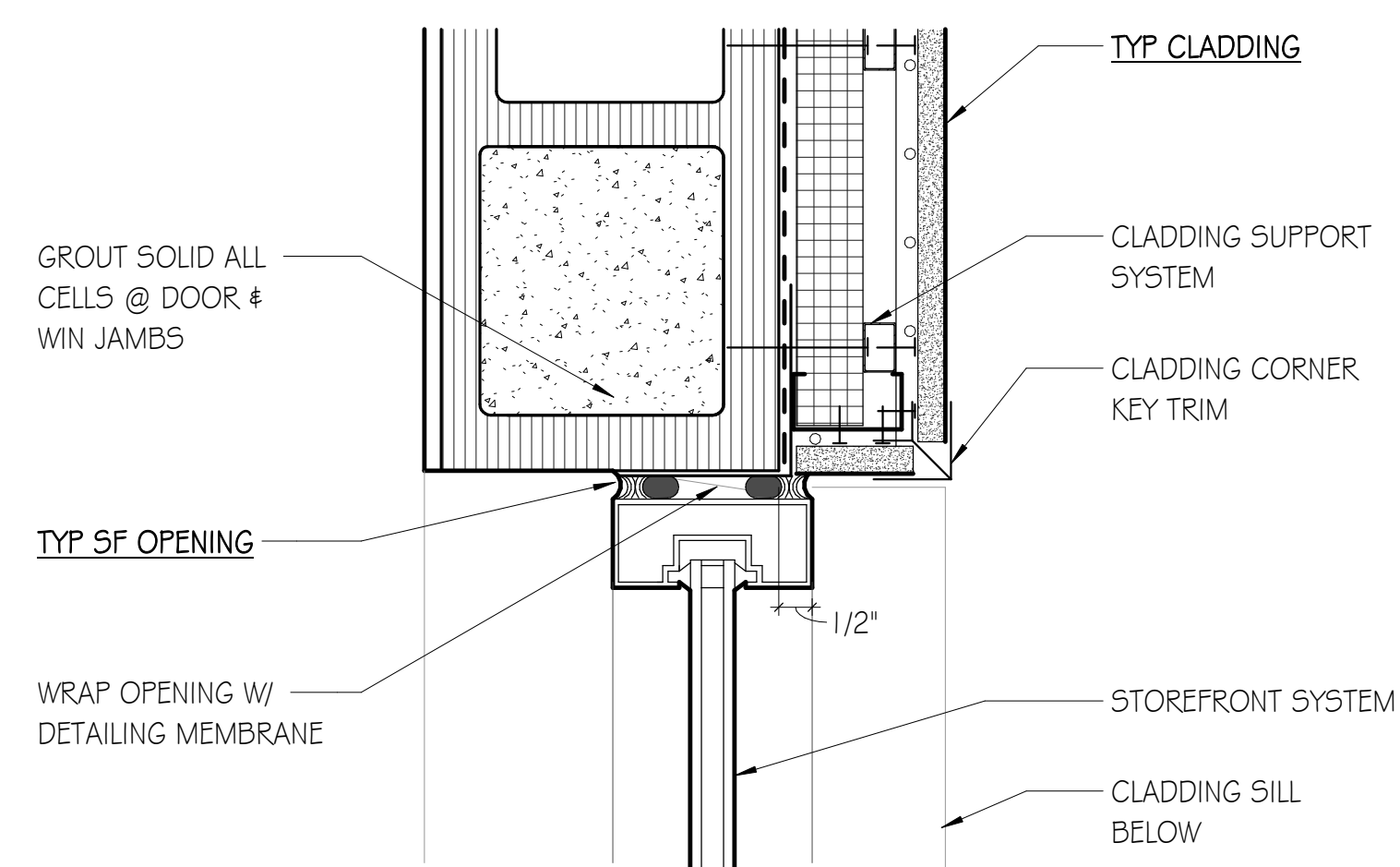
GMC # ABHM230021

A6.12

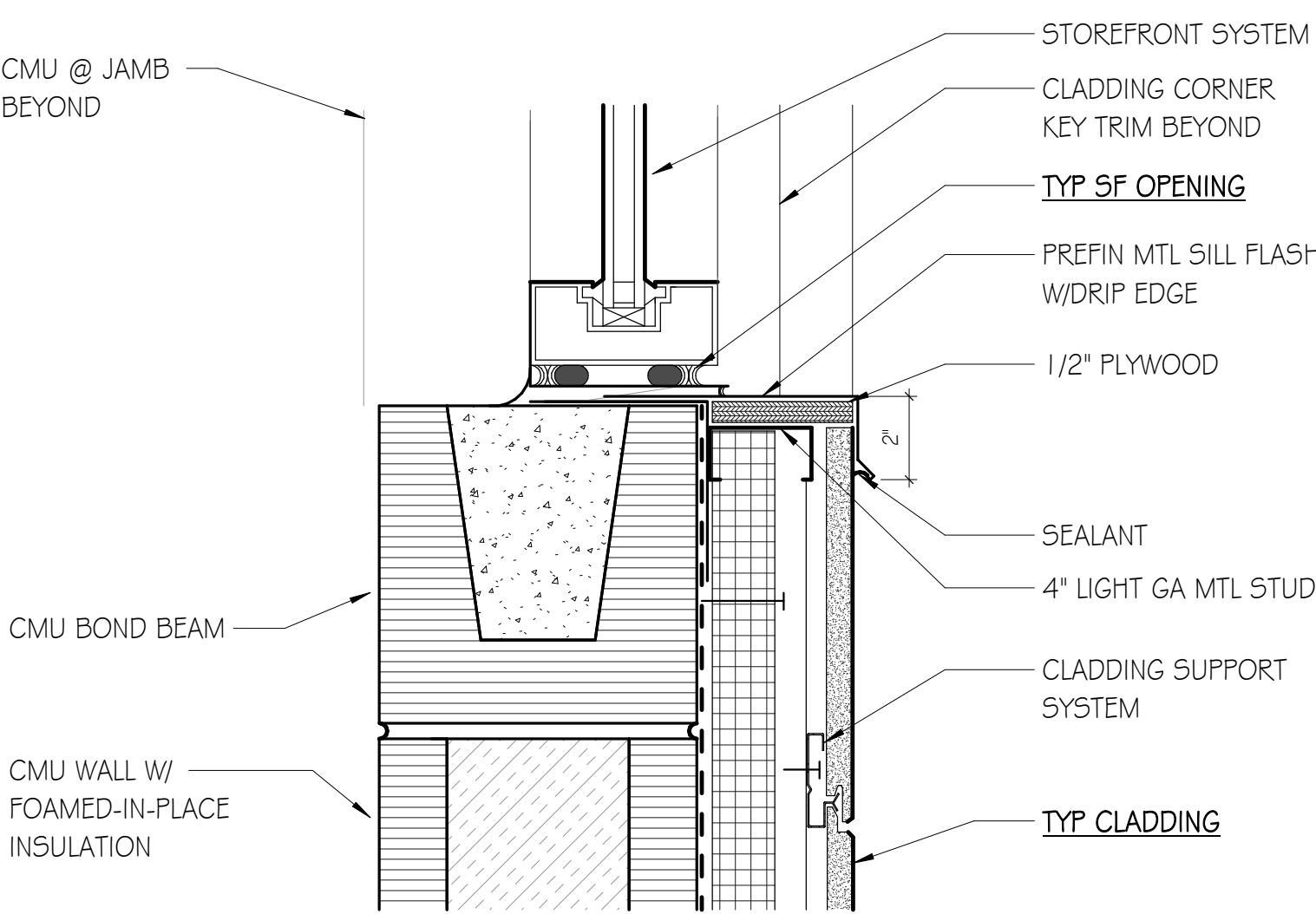
GENERAL NOTE:
ALL INTERIOR GYP OPENINGS TO BE LINED WITH CORNER BEAD



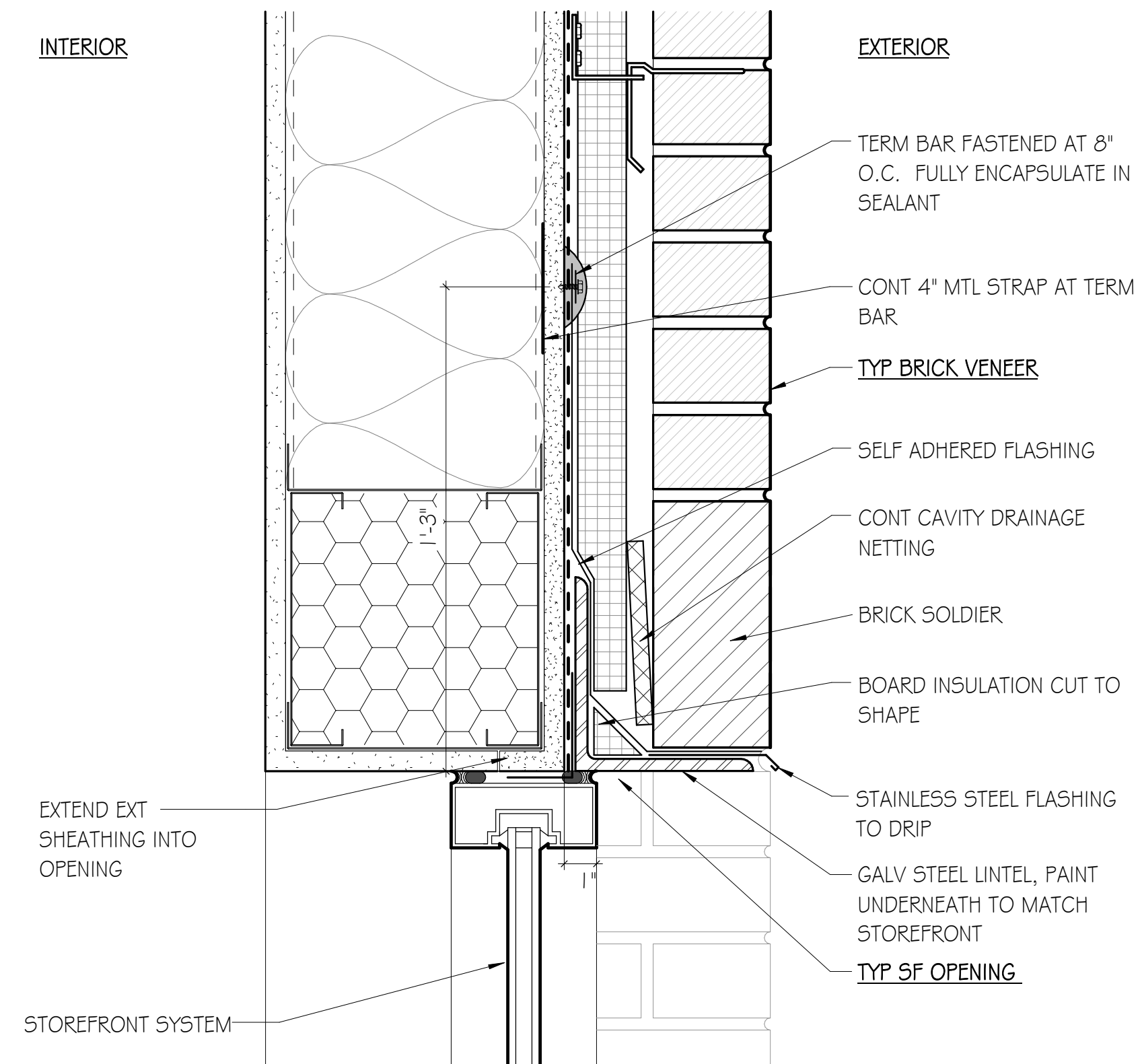
F1 EXT SF HEAD - CMU/CLADDING
SCALE: 3"=1'-0"



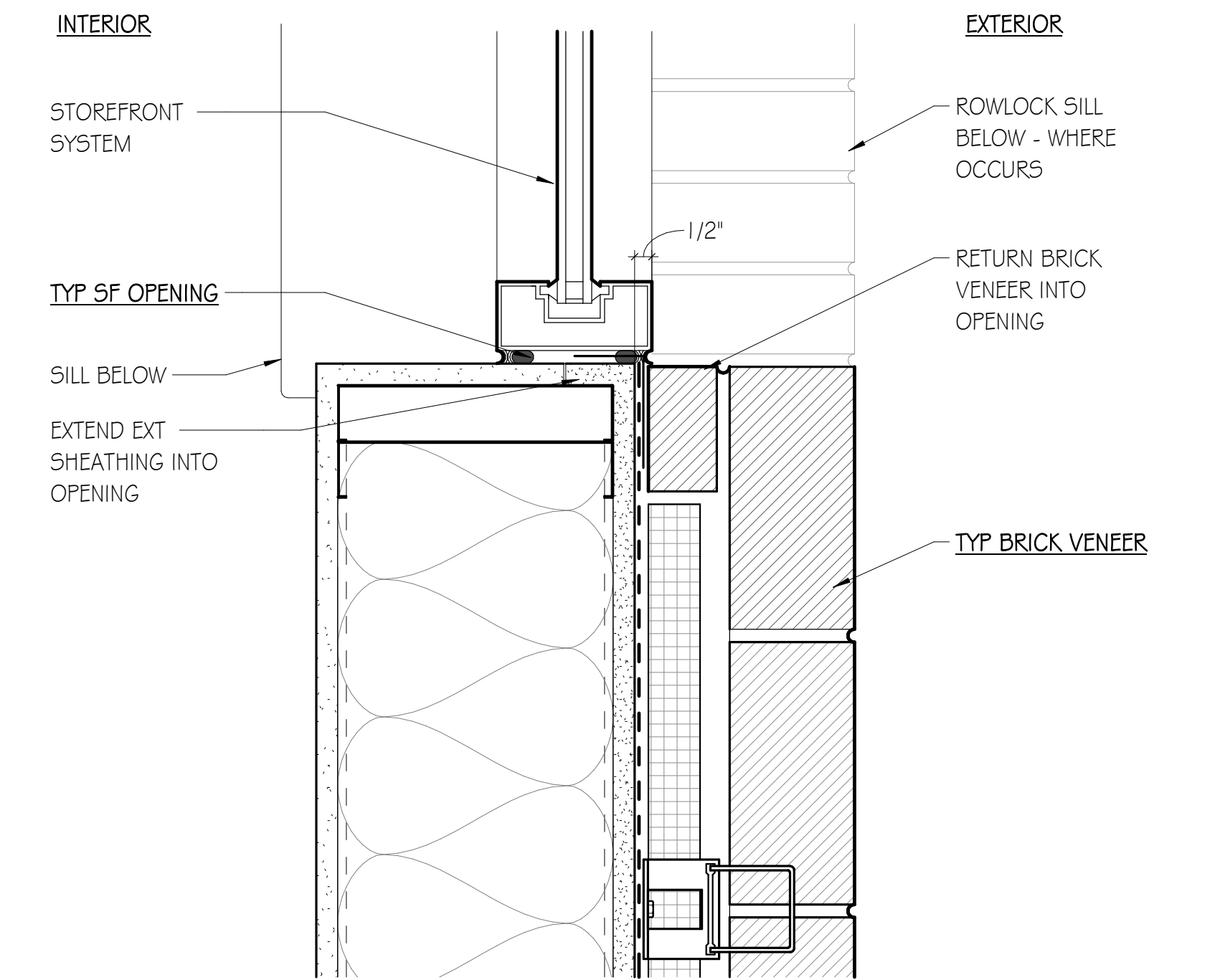
D1 EXT SF JAMB - CMU/CLADDING
SCALE: 3"=1'-0"



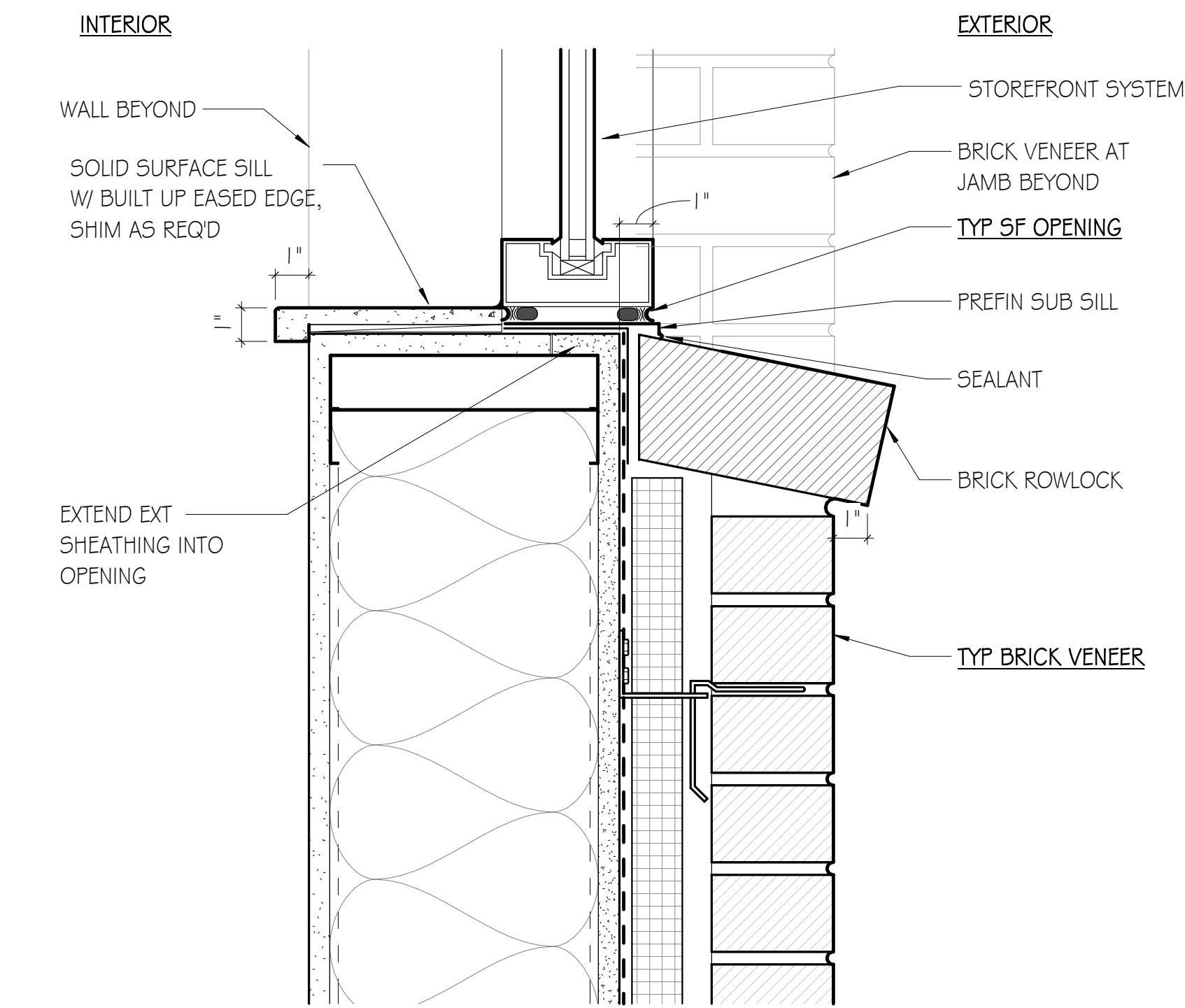
C1 EXT SF SILL - CMU/CLADDING
SCALE: 3"=1'-0"



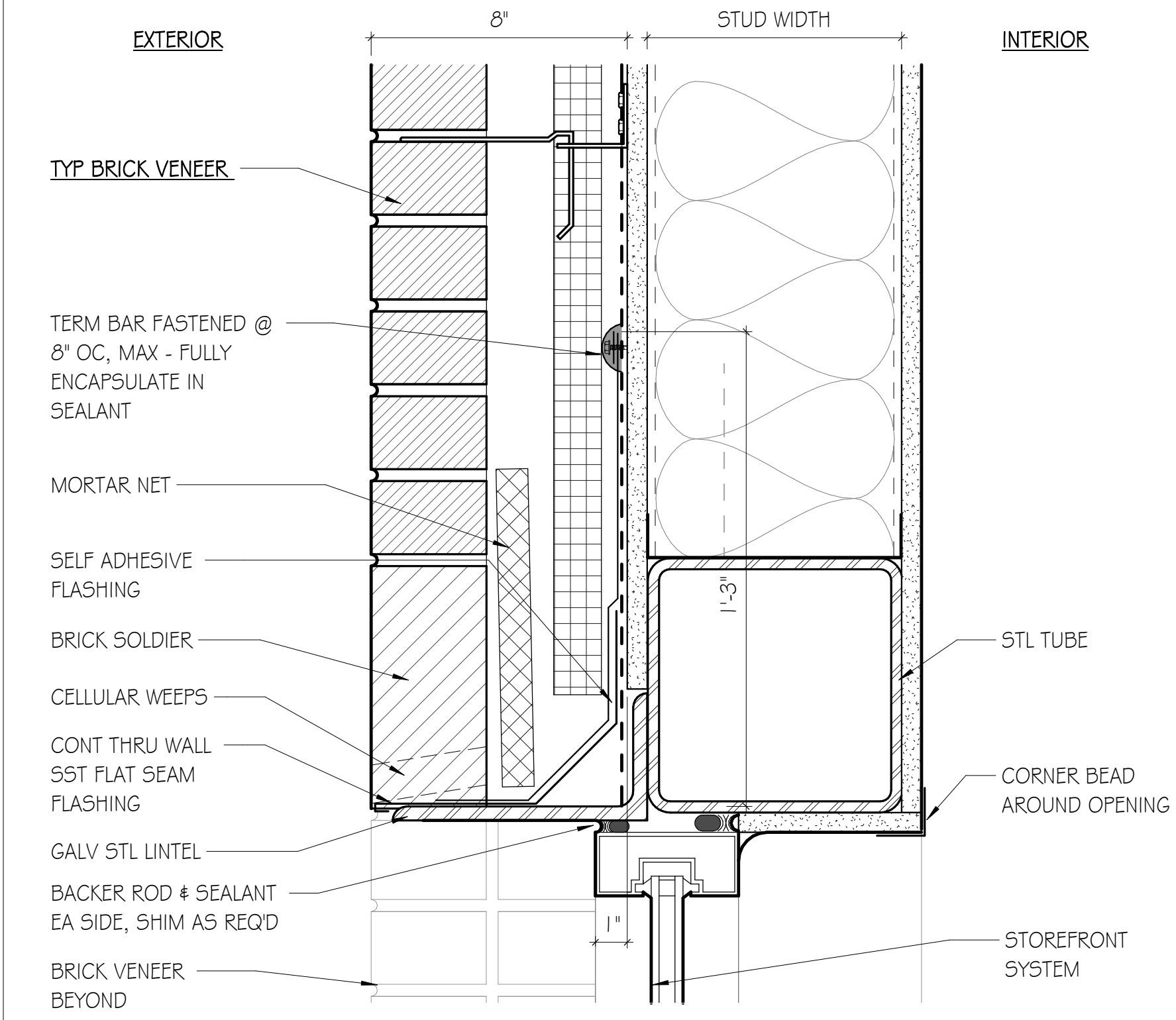
G4 EXT SF HEAD - BRICK
SCALE: 3"=1'-0"



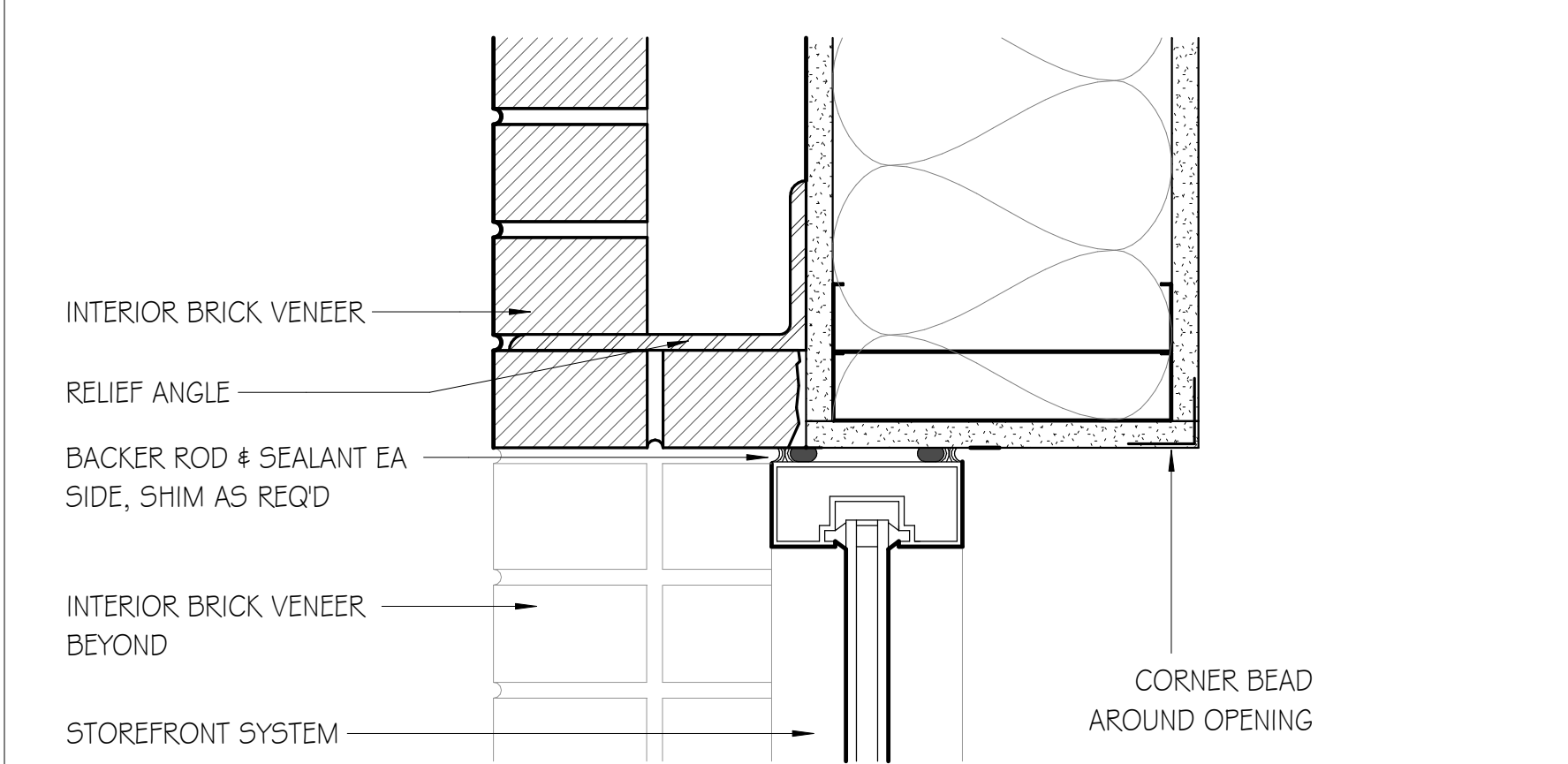
D4 EXT SF JAMB - BRICK
SCALE: 3"=1'-0"



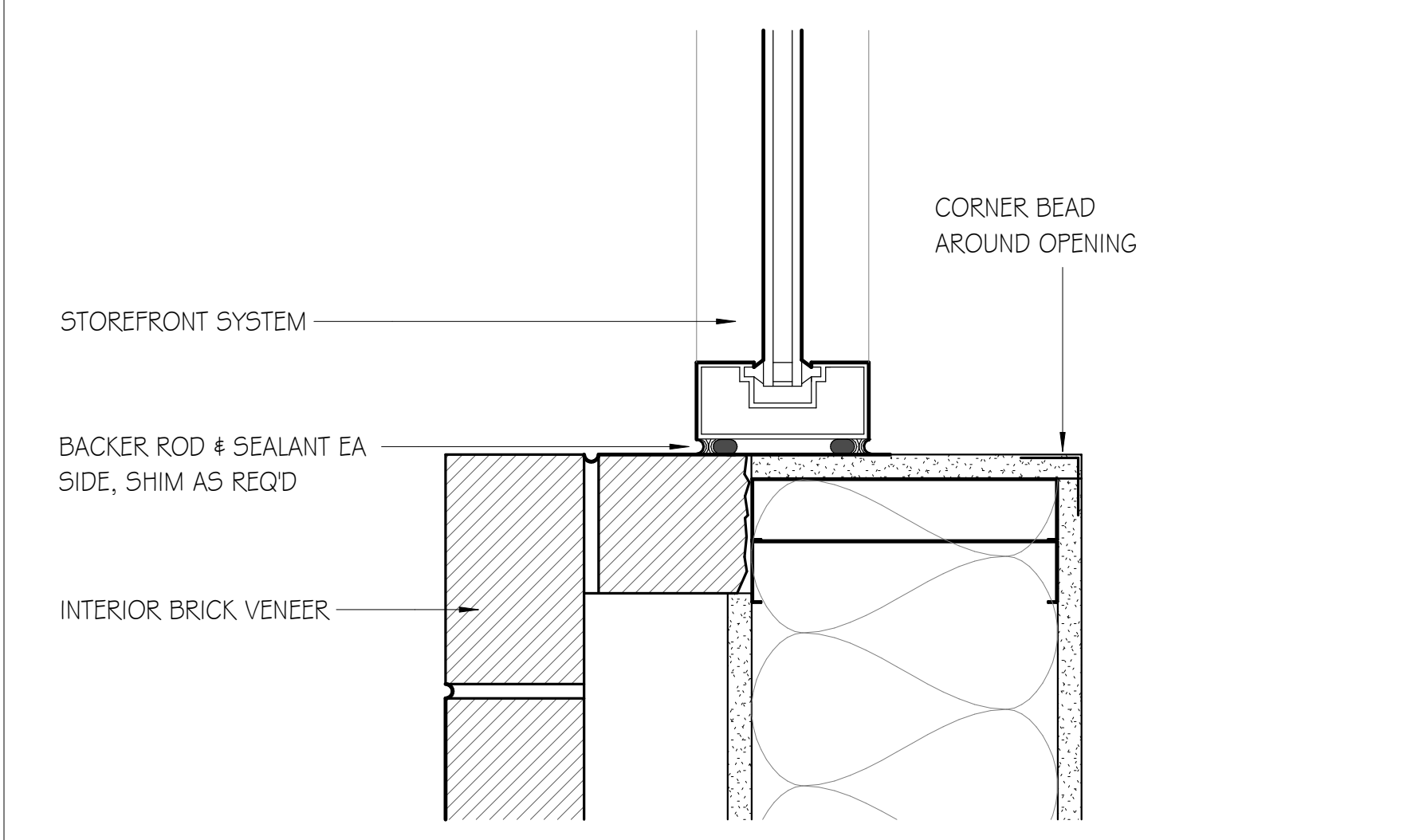
A4 EXT SF SILL - BRICK
SCALE: 3"=1'-0"



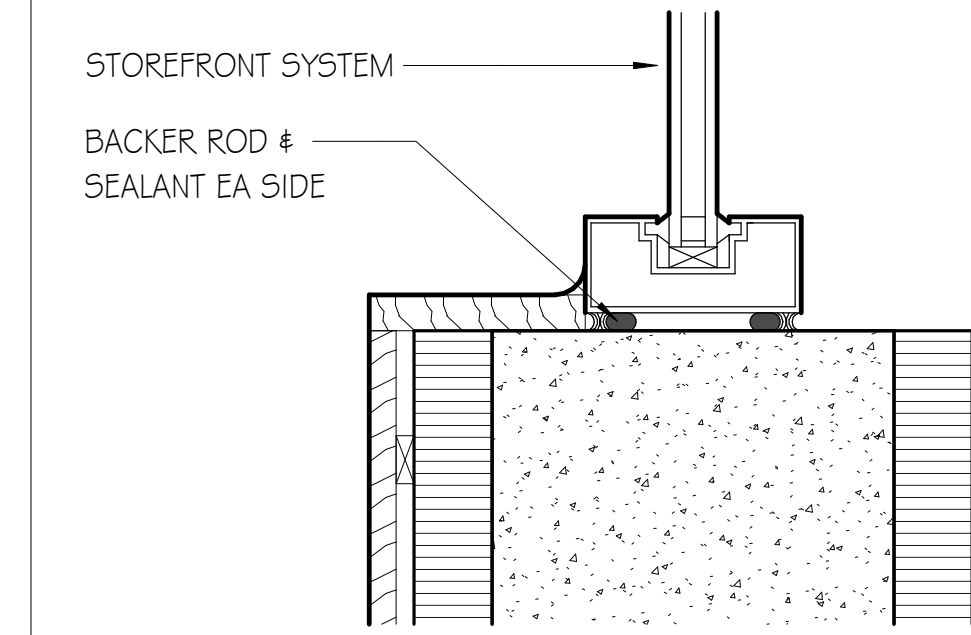
G7 EXT SF HEAD - SF RIBBON
SCALE: 3"=1'-0"



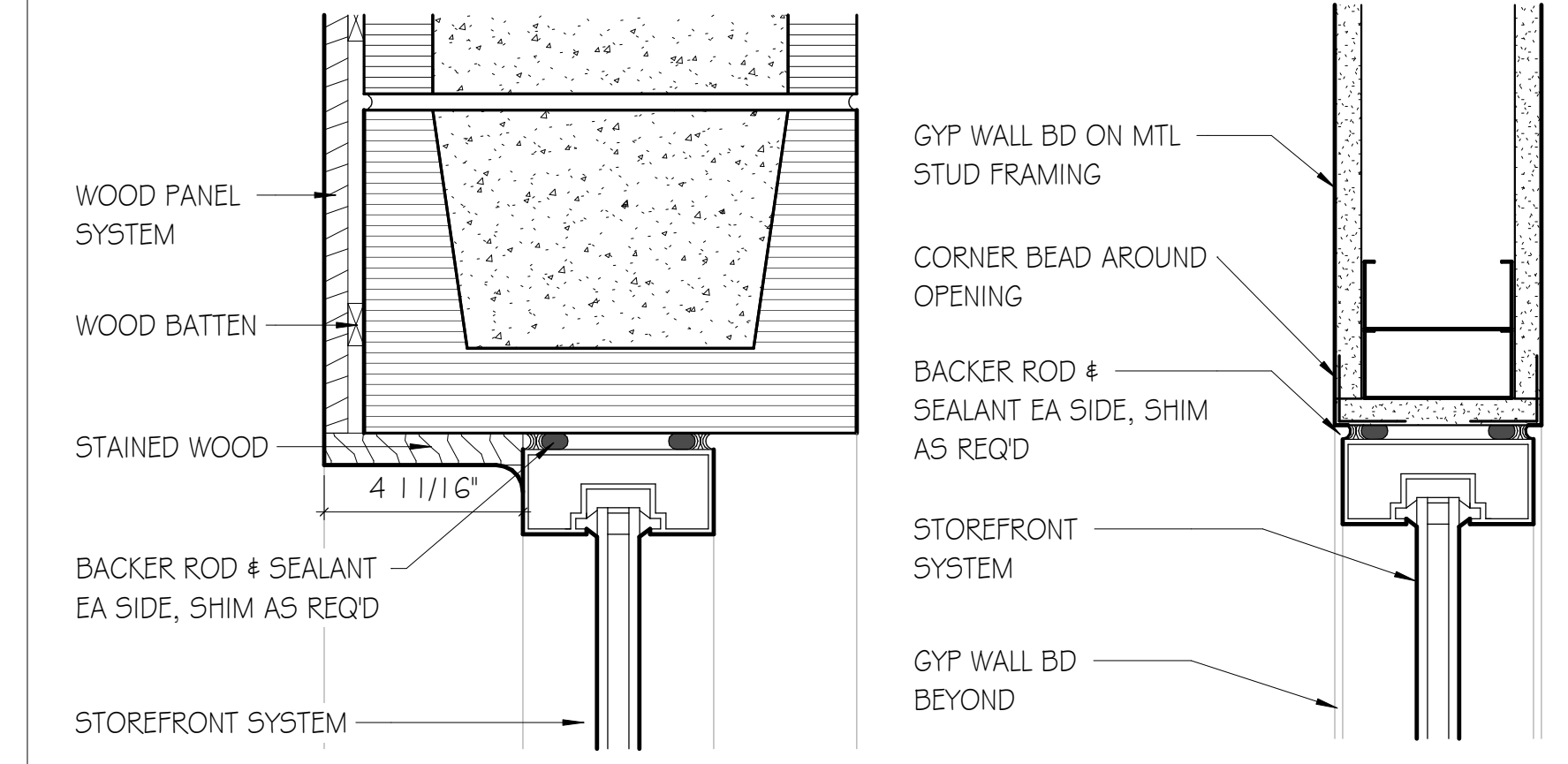
D7 INT SF HEAD - LOBBY BRICK
SCALE: 3"=1'-0"



A7 INT SF JAMB - LOBBY BRICK
SCALE: 3"=1'-0"

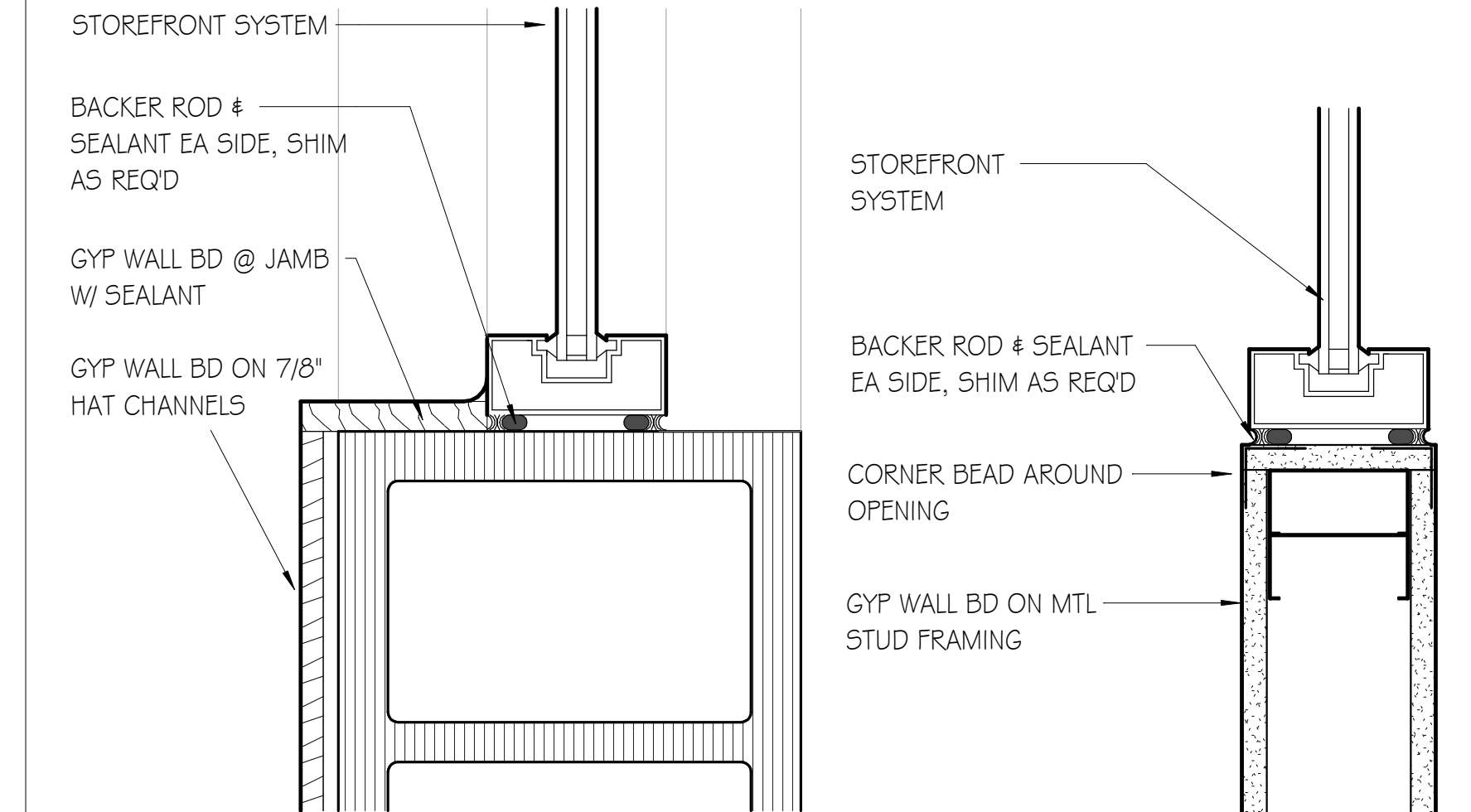


G9 INT SF SILL @ TRACK
SCALE: 3"=1'-0"



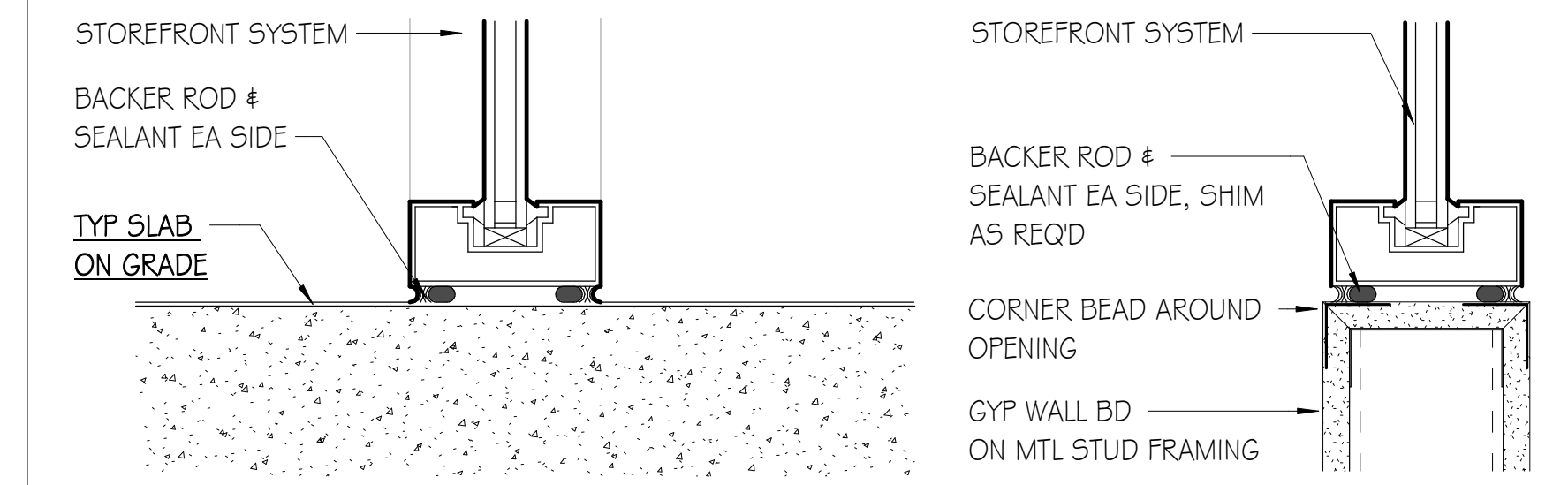
E9 INT SF HEAD - CMU
SCALE: 3"=1'-0"

E11 INT SF HEAD - STUD
SCALE: 3"=1'-0"



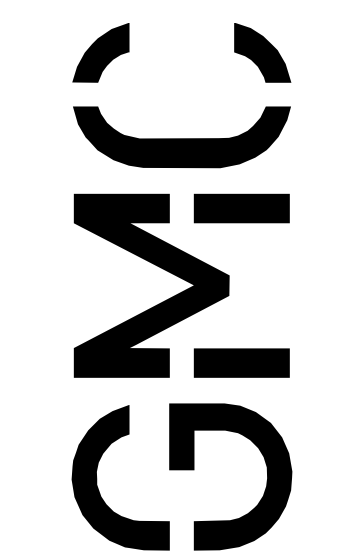
C9 INT SF JAMB - CMU
SCALE: 3"=1'-0"

C11 INT SF JAMB - STUD
SCALE: 3"=1'-0"



A10 INT SF SILL @ SLAB
SCALE: 3"=1'-0"

A11 INT SF SILL @ STUD
SCALE: 3"=1'-0"



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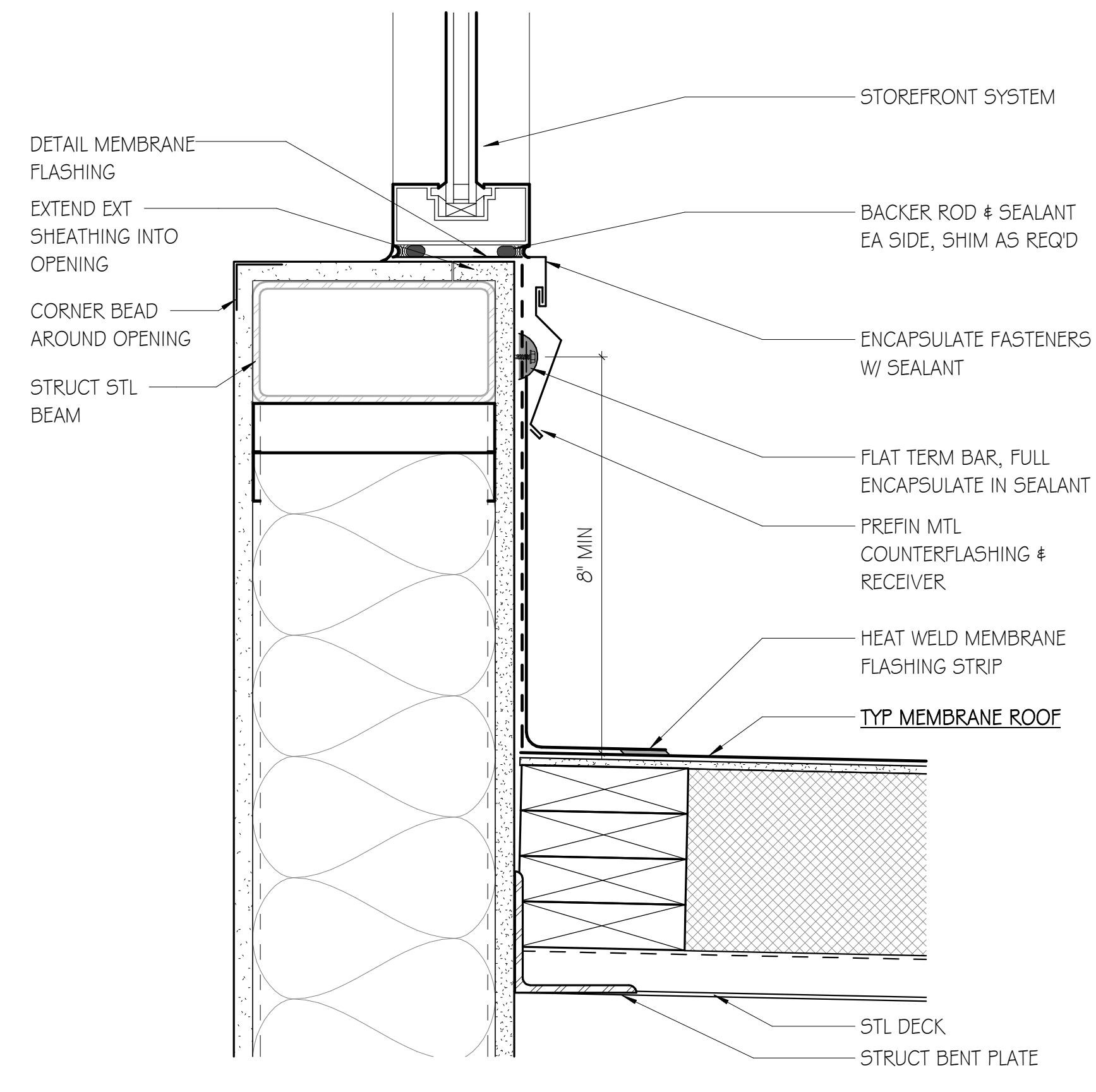


CURTAIN WALL &
STOREFRONT DETAILS

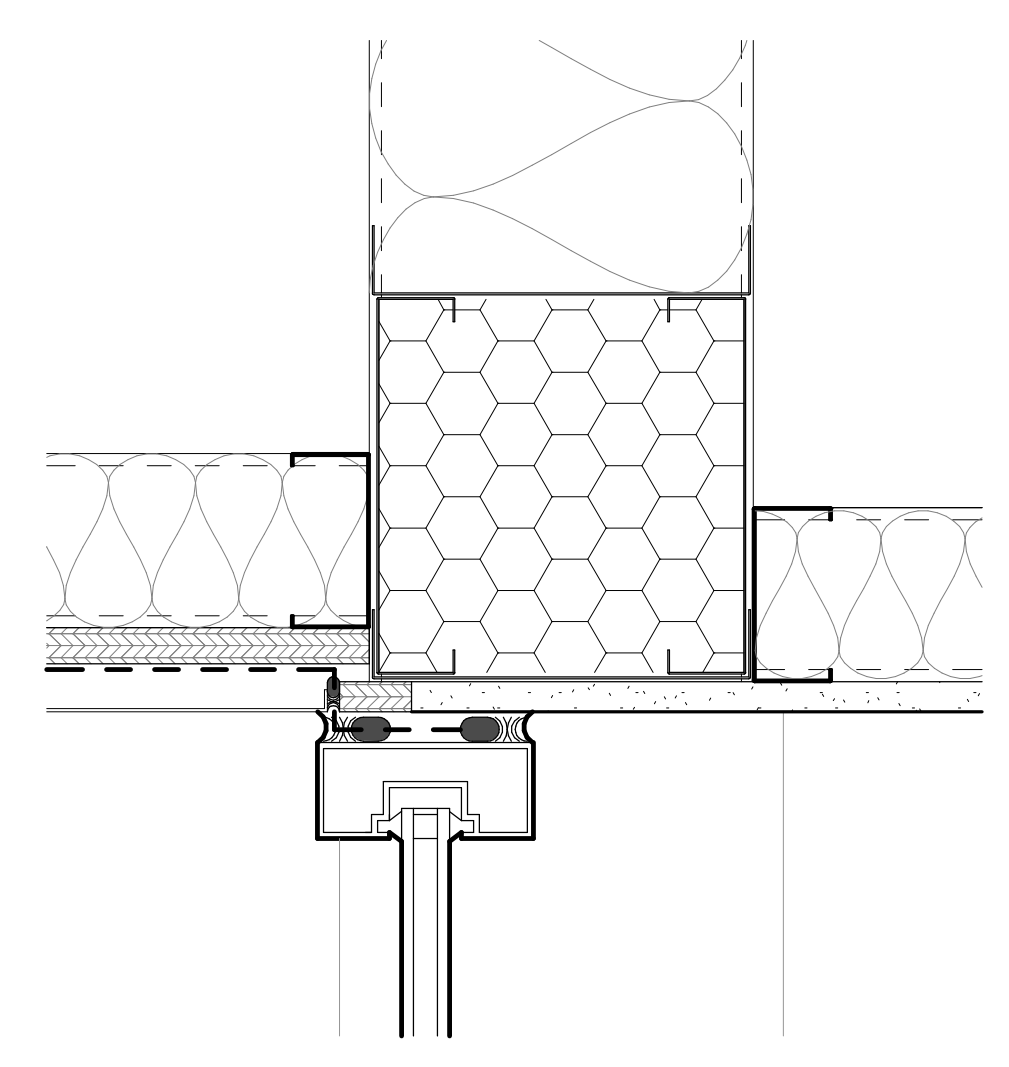
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30-May-24 11:48:40 TEMPLATE VERSION: 2023.1

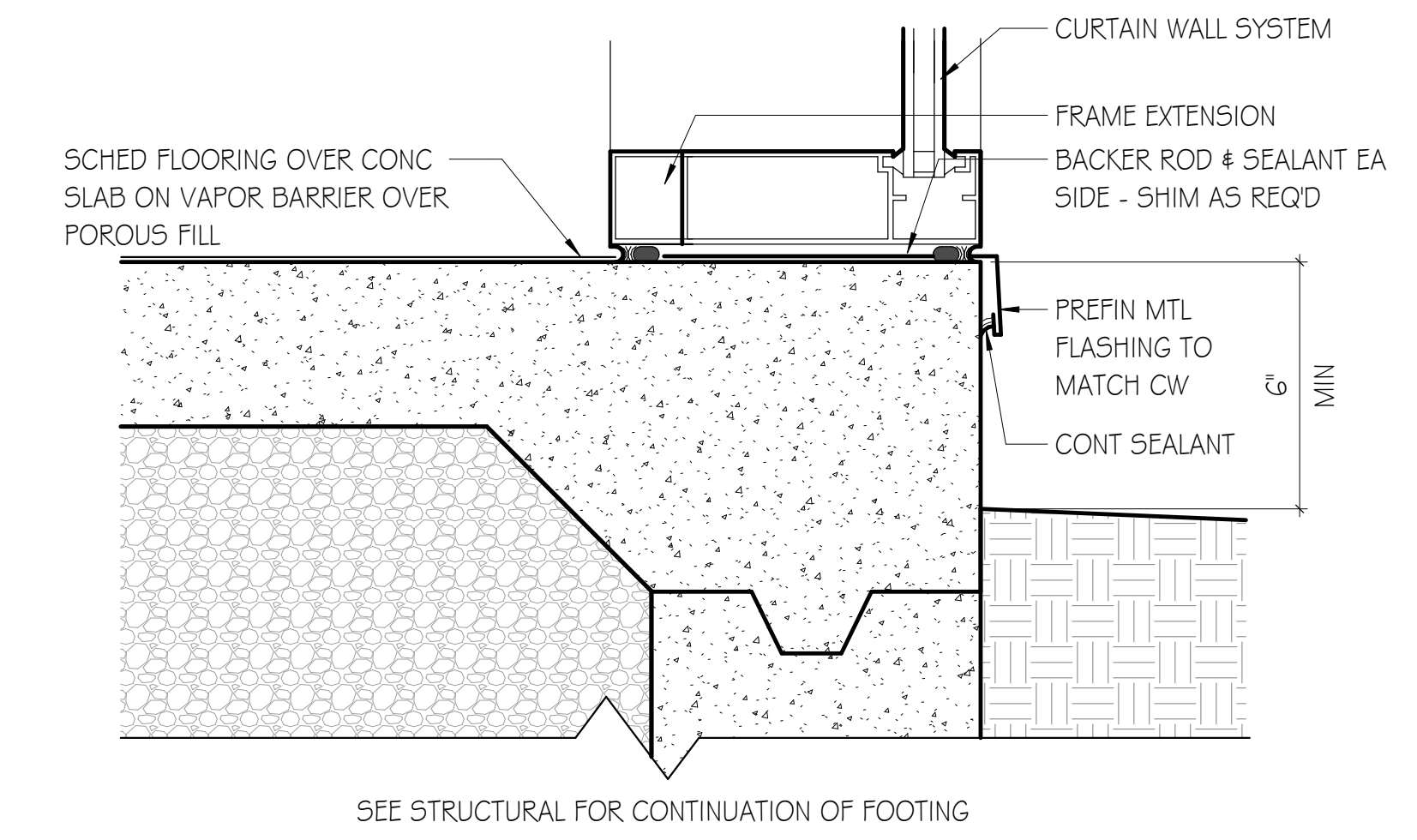
GENERAL NOTE:
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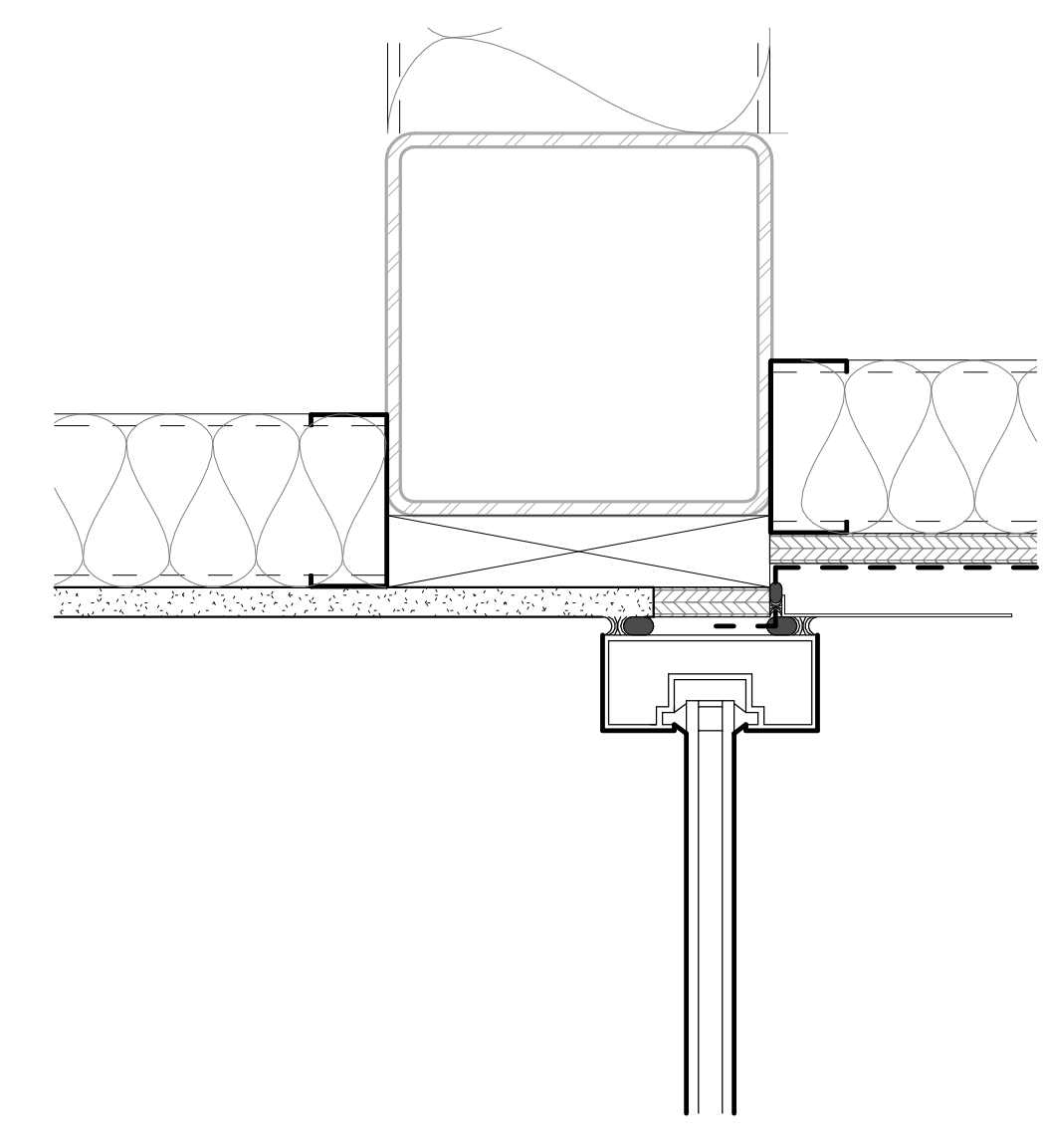
G4 SF HEAD @ ENTRANCE VESTIBULE
SCALE: 3"=1'-0"



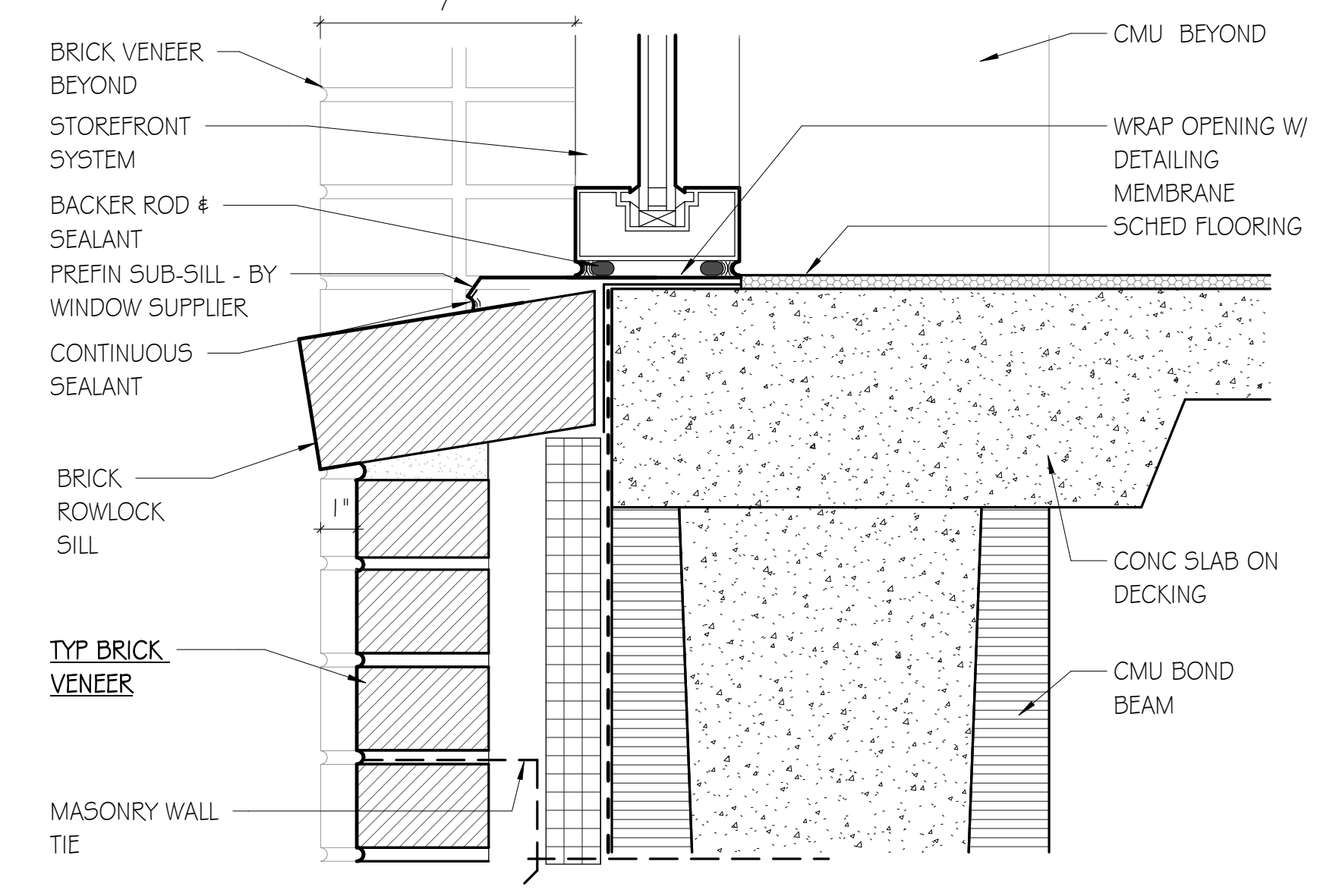
G1 EXT SF SILL @ MEMBRANE ROOF
SCALE: 3"=1'-0"



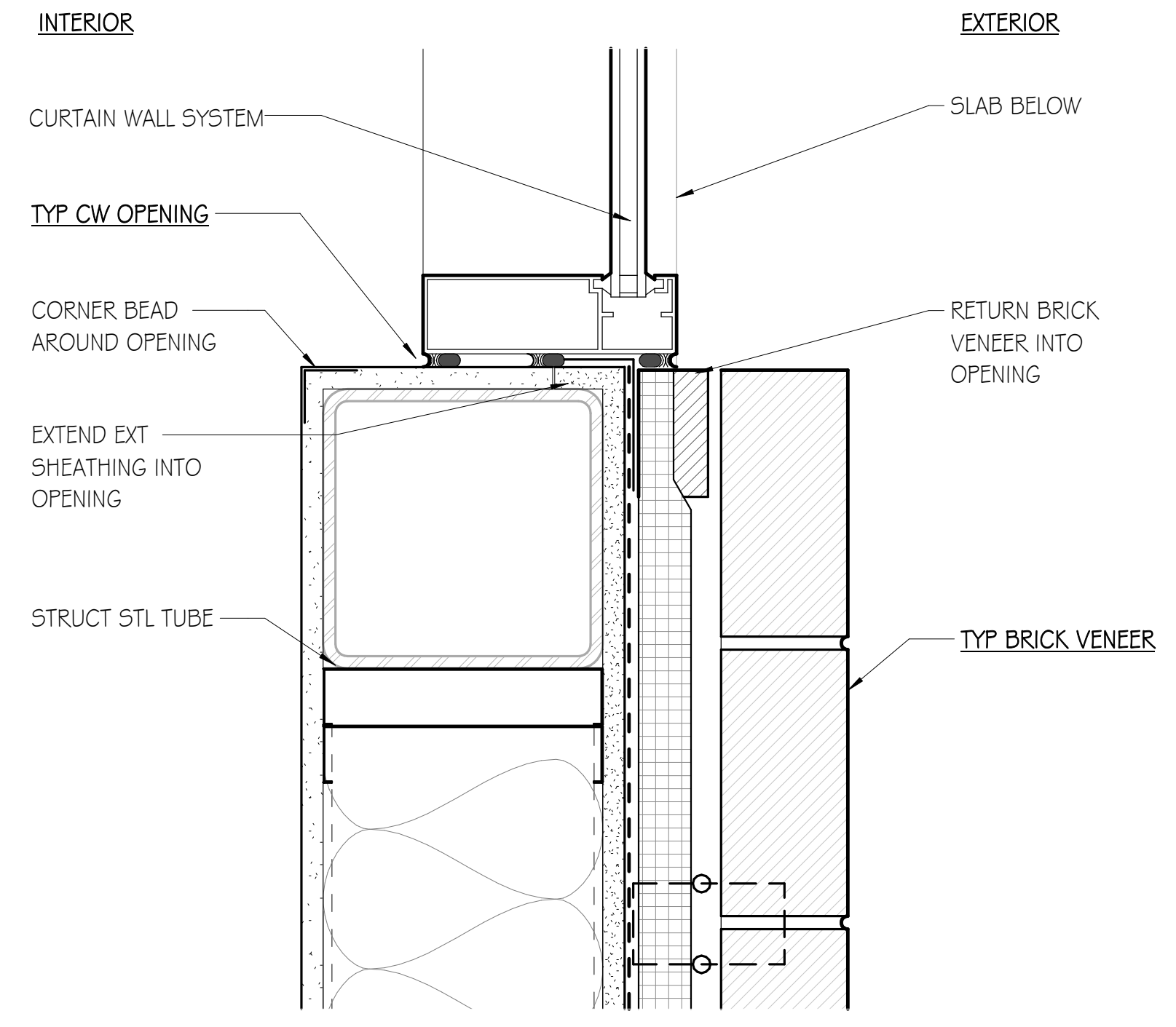
D4 ROOF TO SF @ POOL ENTRANCE
SCALE: 3"=1'-0"



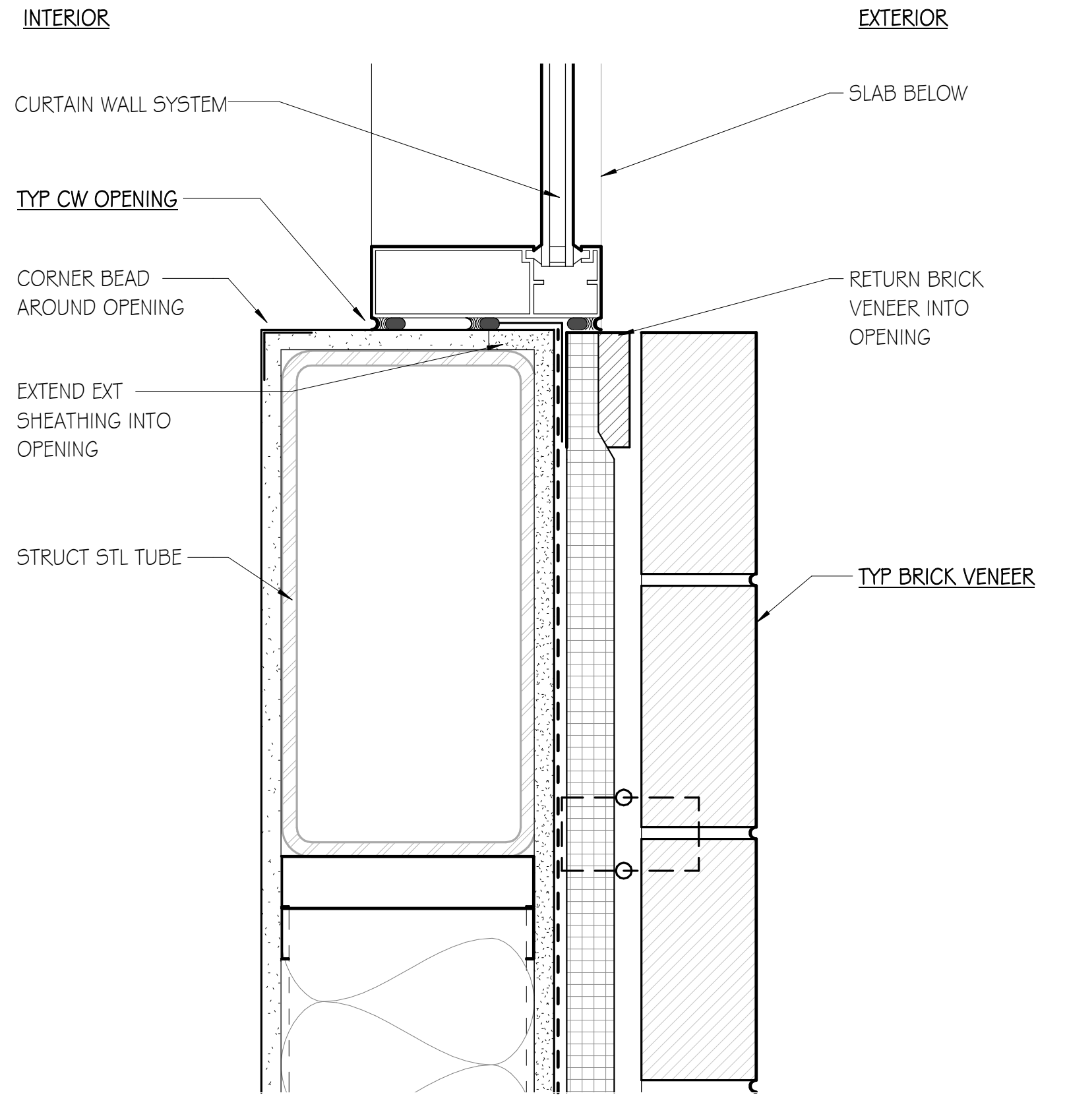
D1 FOUNDATION DETAIL - CW @ GRADE
SCALE: 3"=1'-0"



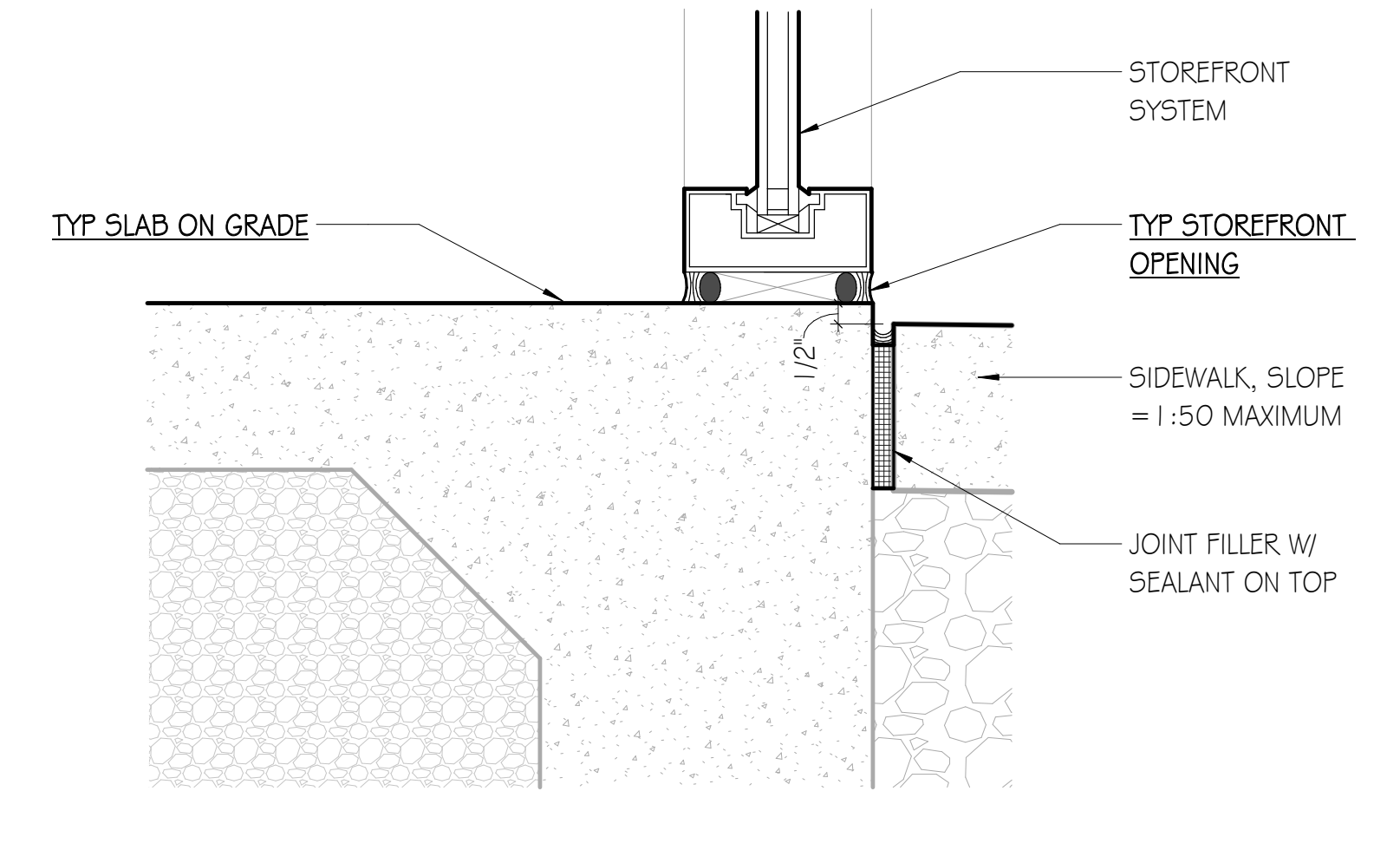
A1 EXT SF SILL - CMU - BRICK INSET @ TRACK
SCALE: 3"=1'-0"



G10 EXT STUD - BRICK CW JAMB
SCALE: 3"=1'-0"



D10 EXT STUD - BRICK CW JAMB
SCALE: 3"=1'-0"



A10 EXT SF SILL @ SIDEWALK
SCALE: 3"=1'-0"

GMC

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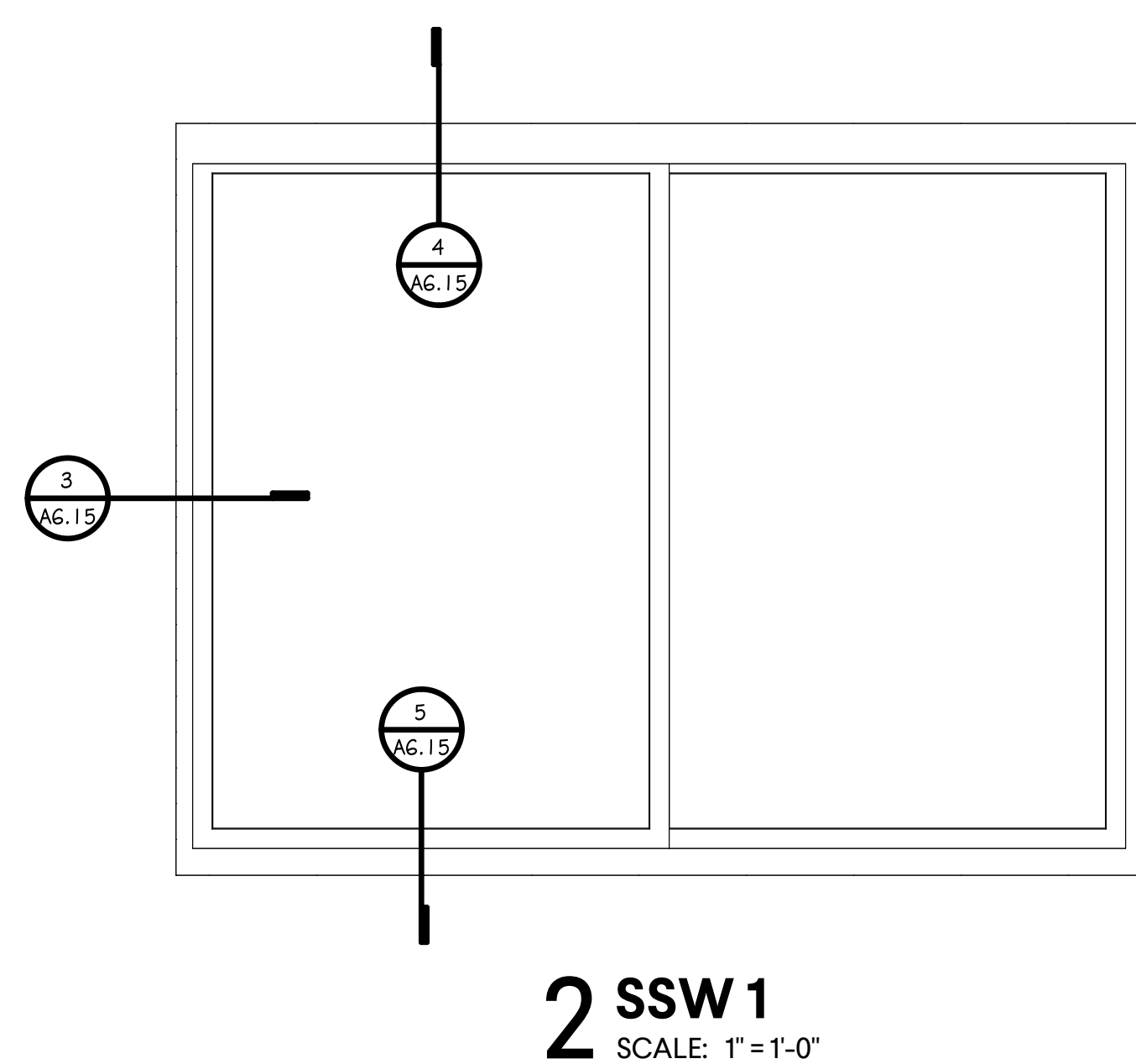
RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA

GMC # ABHM230021

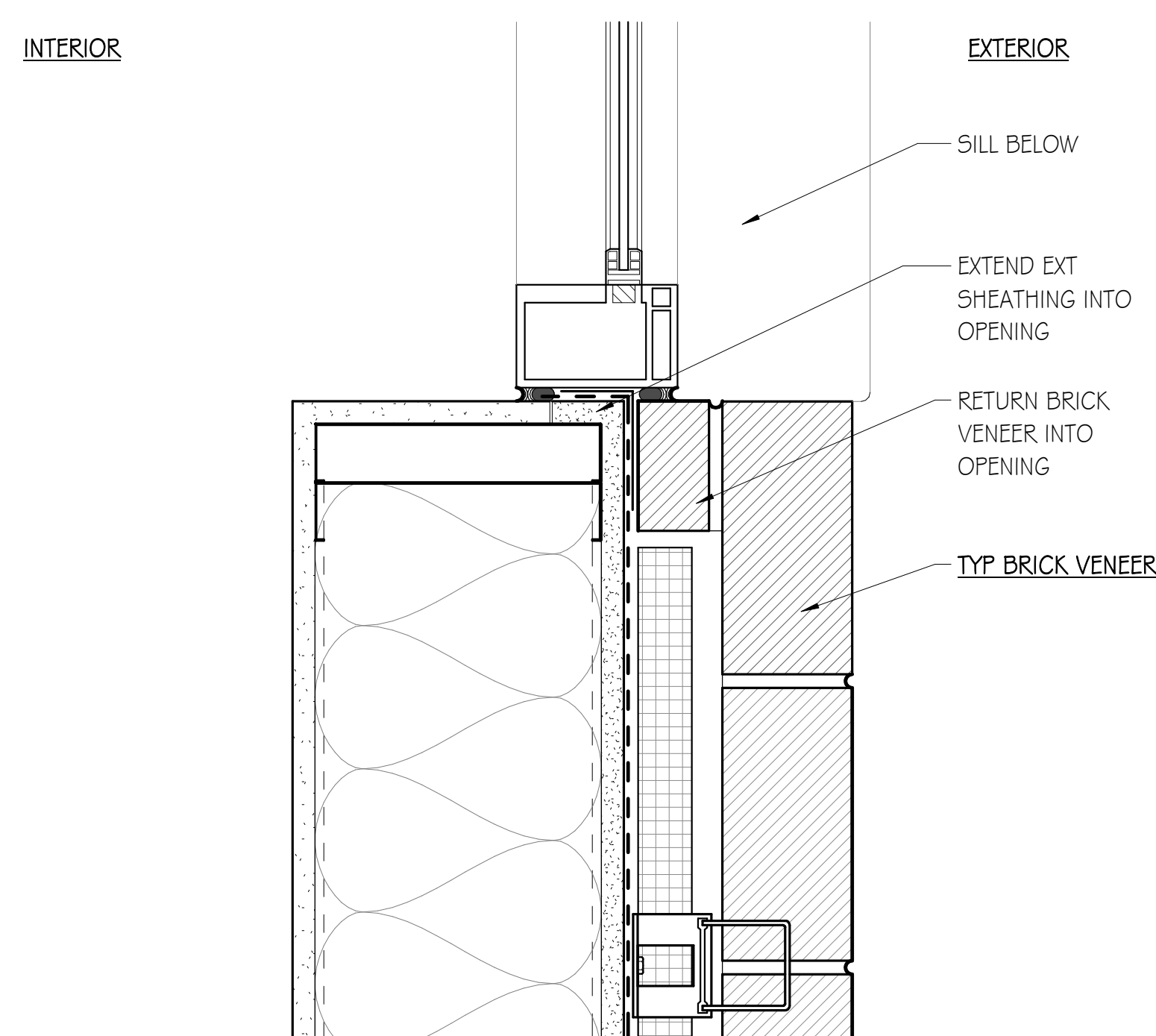
STATE OF ALABAMA
PATRICK SWATER
8969
REGISTERED ARCHITECT

CURTAIN WALL &
STOREFRONT DETAILS

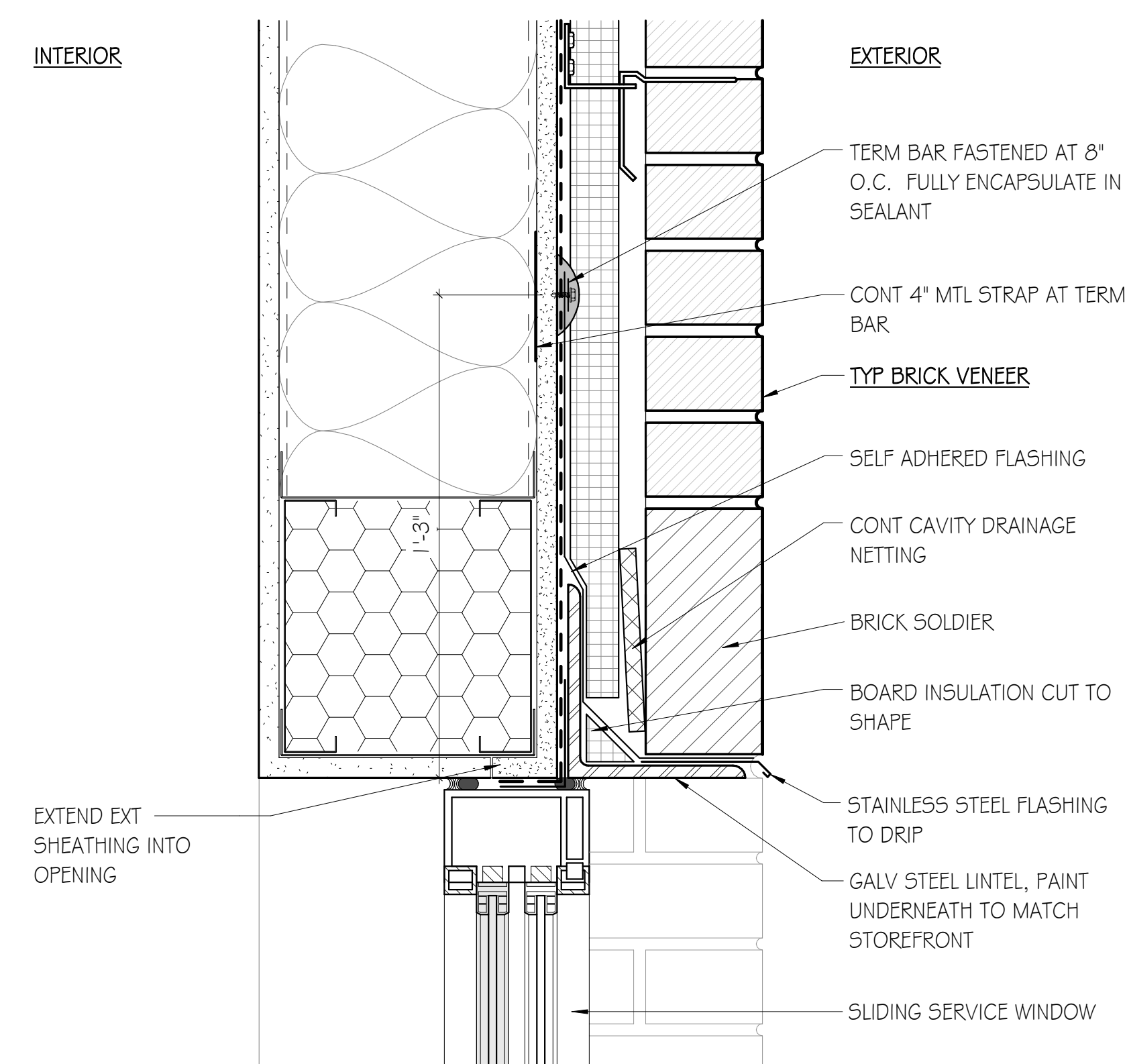
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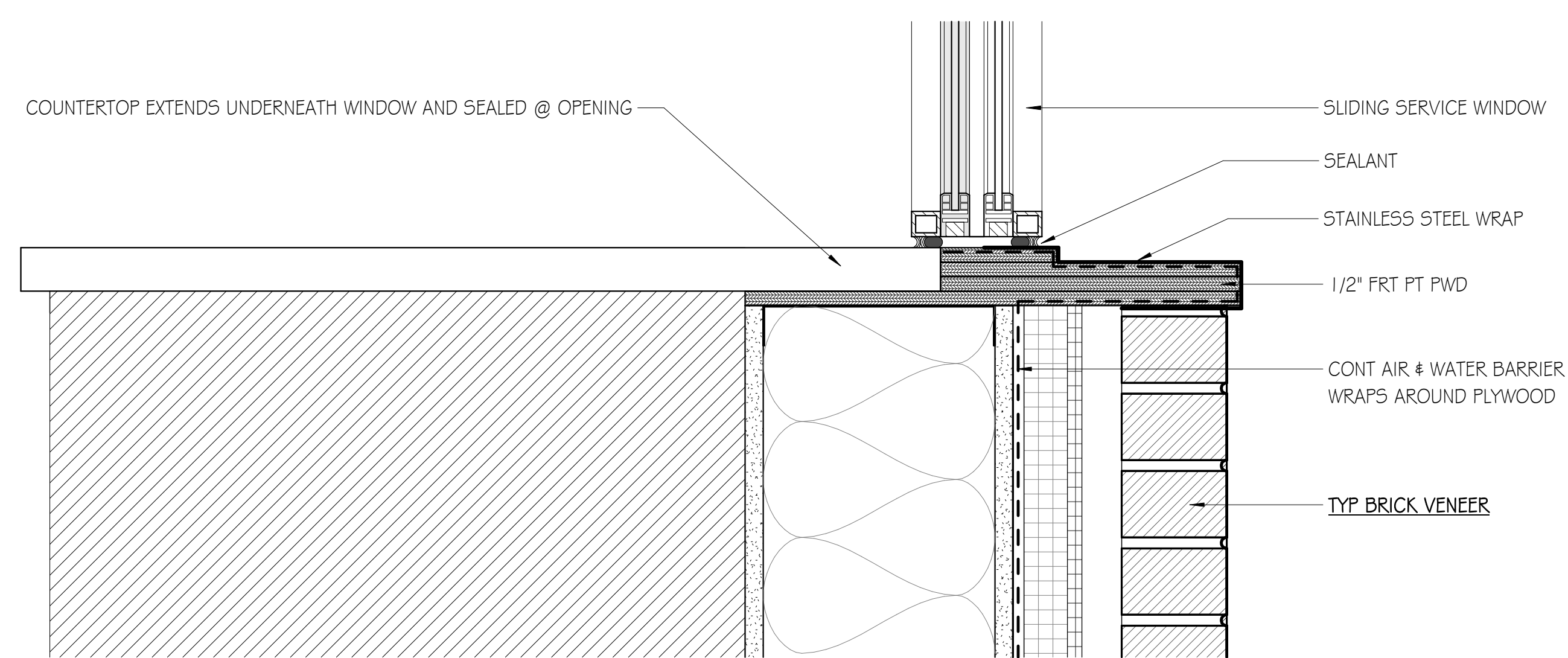
2 SSW 1
SCALE: 1"=1'-0"



3 Sliding Service Window Jamb
SCALE: 3"=1'-0"



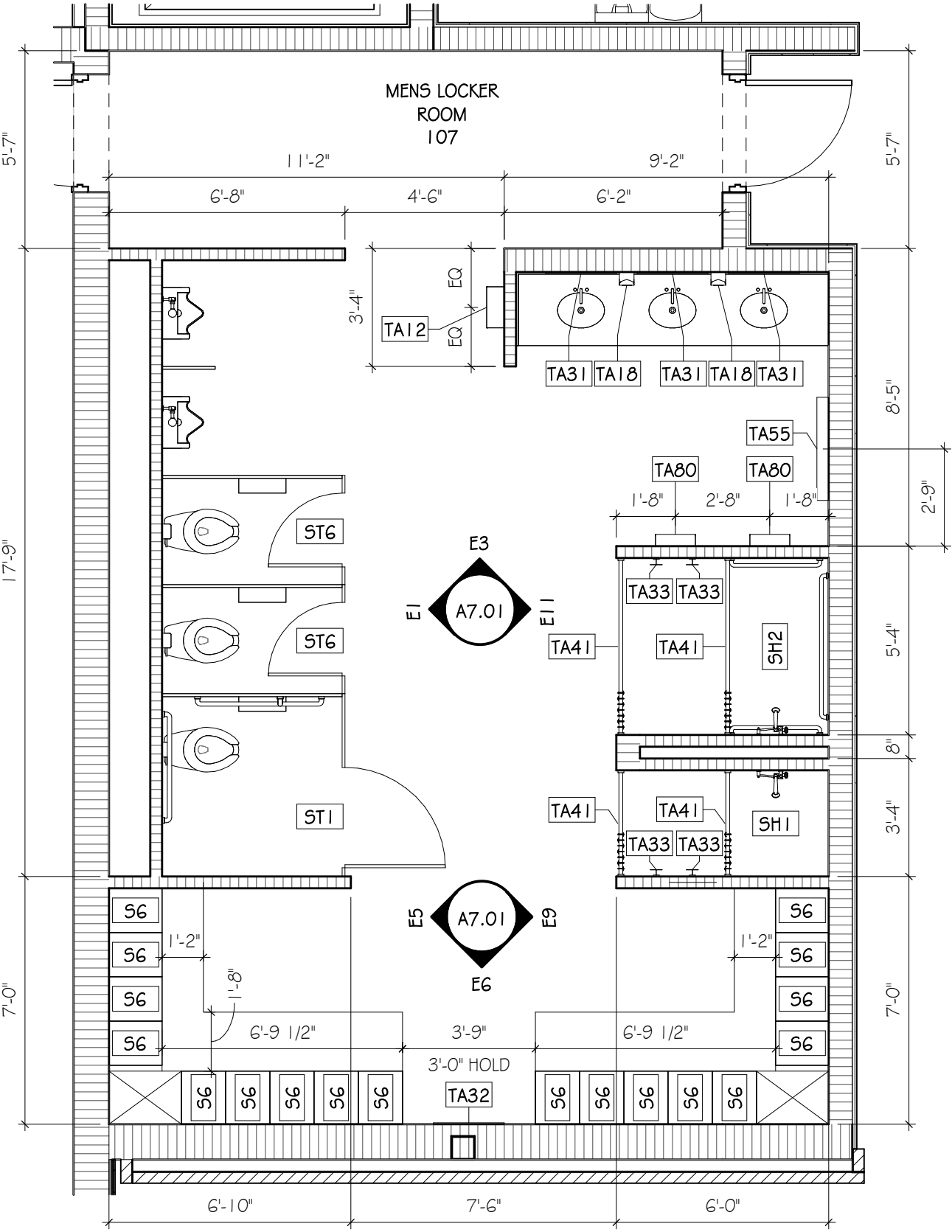
4 Sliding Service Window Head
SCALE: 3"=1'-0"



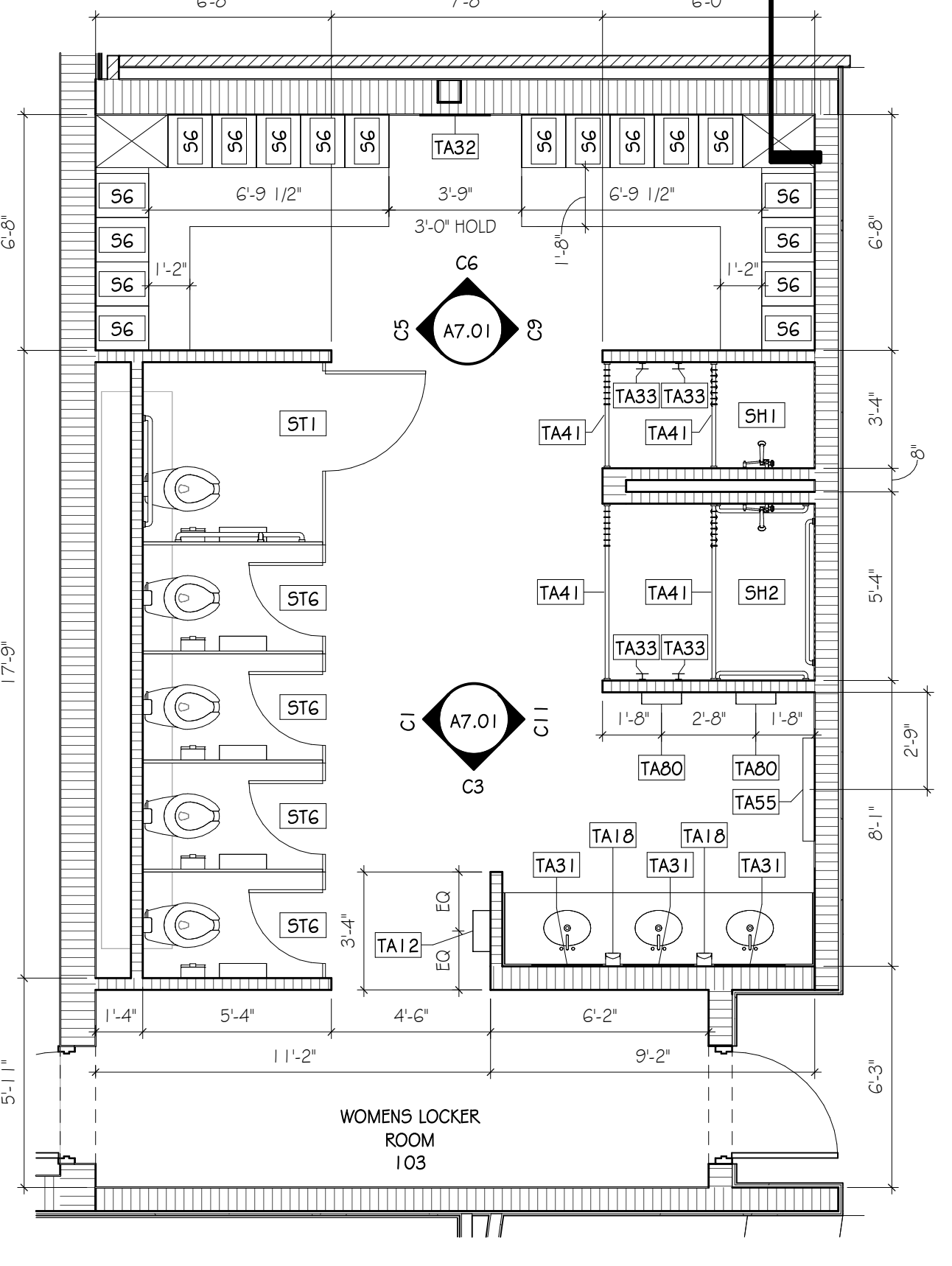
5 SLIDING SERVICE WINDOW SILL
SCALE: 3"=1'-0"

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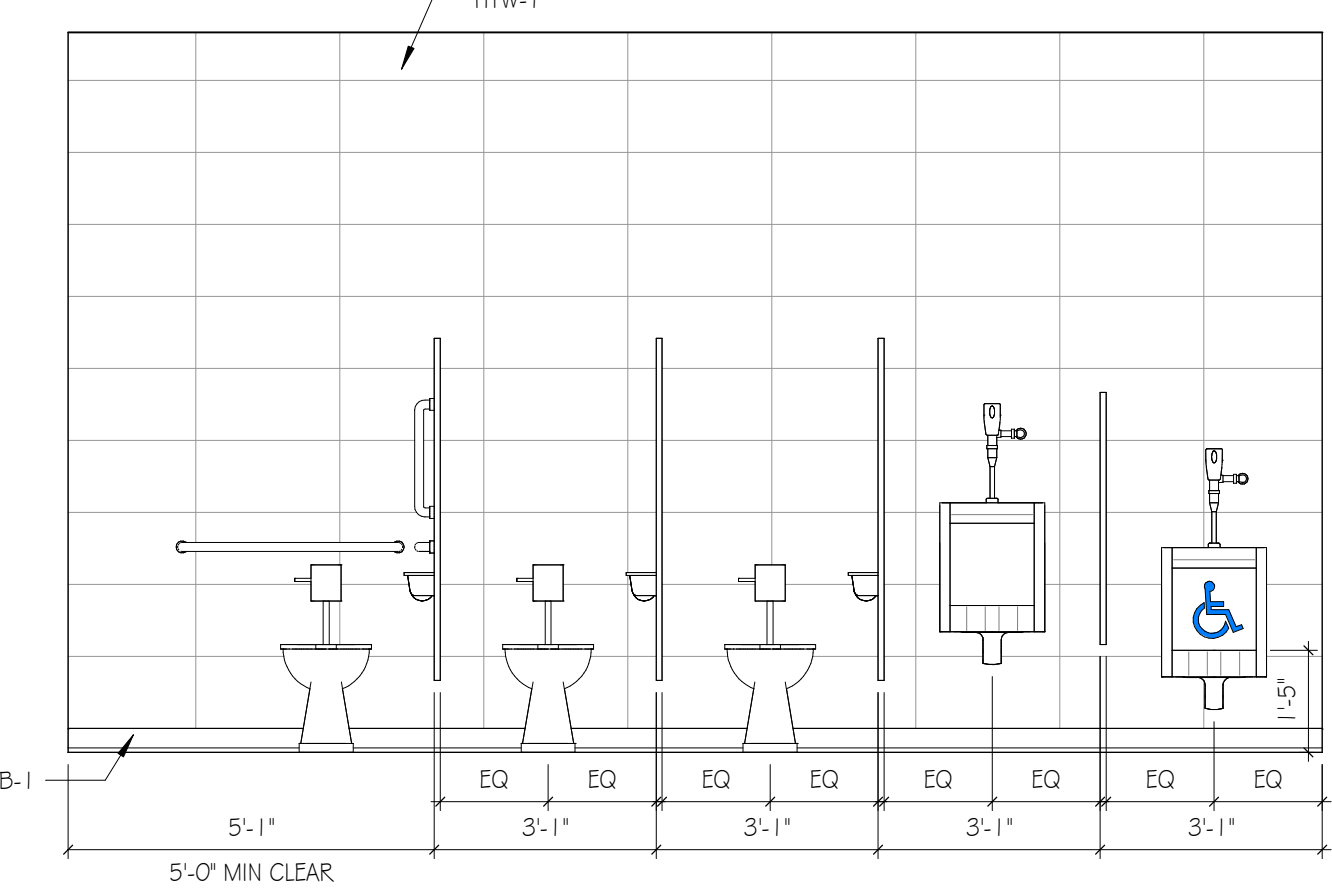
G1 MENS DRY LOCKER ROOM 107
SCALE: 1/4" = 1'-0"



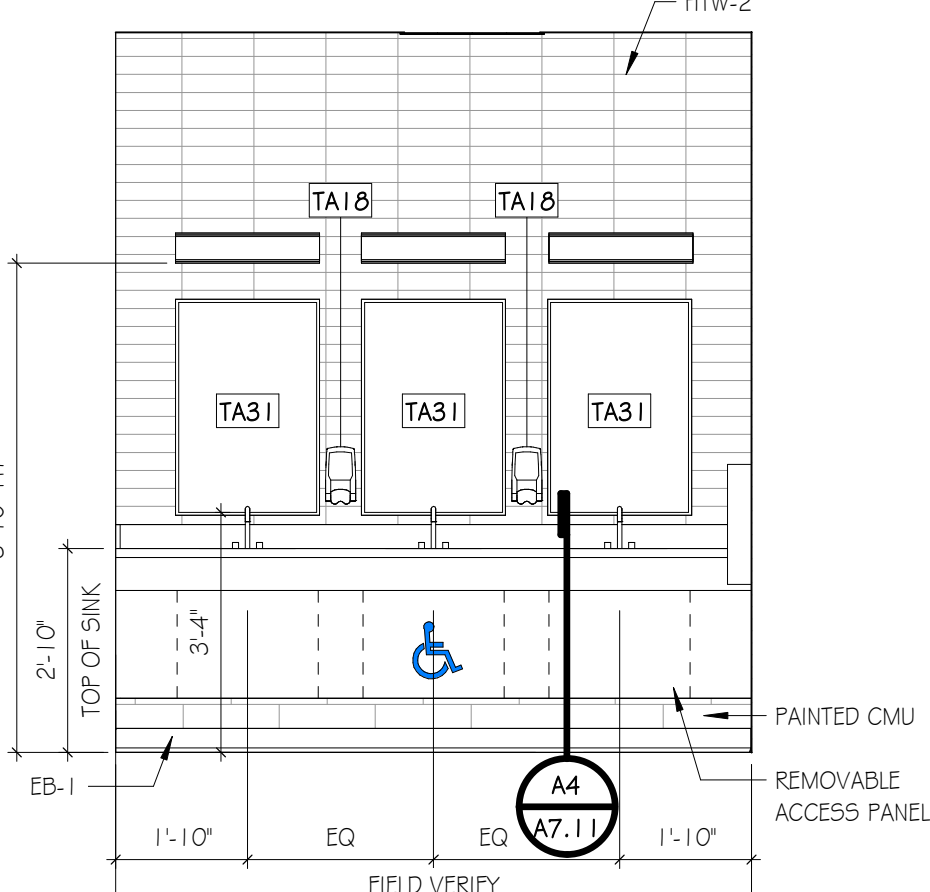
G4 WOMENS DRY LOCKER ROOM 103
SCALE: 1/4" = 1'-0"

SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	COMMENTS
S1	RESIDENTIAL WASHER	OFOI
S2	RESIDENTIAL DRYER	OFOI
S3	KEURIG COFFEE MAKER	OFOI
S4	SIDE BY SIDE REFRIGERATOR	OFOI
S6	2 TIER METAL LOCKER - 15" W x 18" D x 66" H	CFCI
S7	3 TIER PHENOLIC LOCKER - 15" W x 18" D x 56 1/2" H	CFCI
S8	SUMMIT BIM44GADA UNDERCOUNTER ICE MACHINE	CFCI
S9	MICROWAVE - UNDERCOUNTER CABINET INSTALL	OFOI
S10	WALL MOUNTED PROJECTION SCREEN - MANUAL	CFCI
S11	3 TIER PHENOLIC LOCKER - 15" W x 18" D x 76" H	CFCI
S12	ICE MACHINE - LARGE	OFOI
S13	STAINLESS STEEL SHELF - ULINE H7500 - 60" W x 12" D x 10" H	CFCI
S21	SQUARE ACOUSTICAL PANEL	CFCI
S23	MIRROR - 4' W x 7' H	CFCI
S24	MOUNTED BALLET BAR	CFCI
S25	SCOREBOARD	CFCI
S32	TV - 55"	OFOI
S33	TV - 70"	CFCI

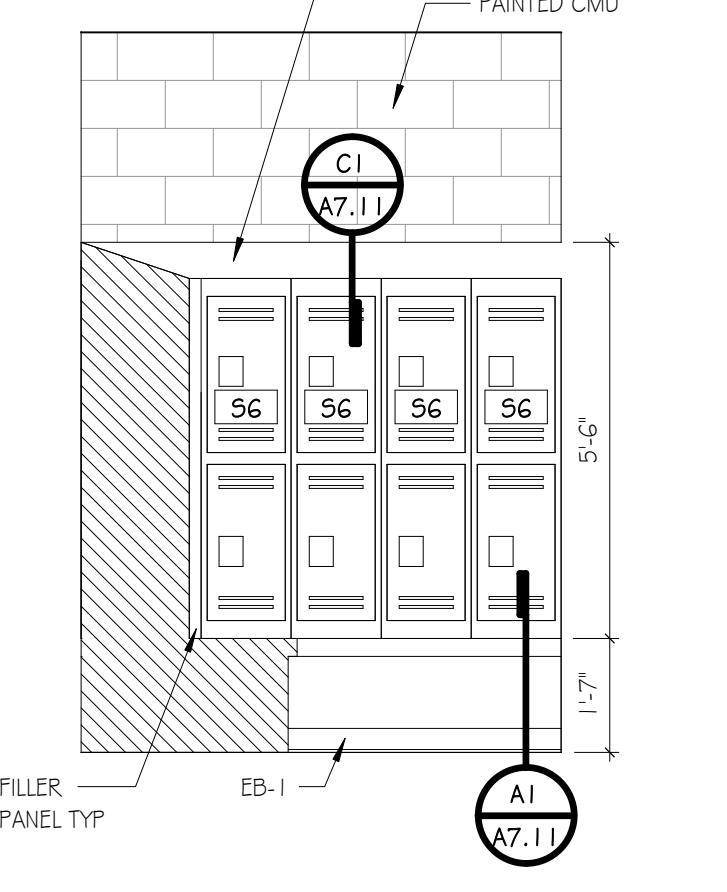
TOILET ACCESSORIES SCHEDULE		
TAG	DESCRIPTION	COMMENTS
TA02	TOILET TISSUE DISP - SGL. JUMBO ROLL	OFOI
TA12	WASTE RECEPTACLE, SURFACE MOUNT, SMALL	CFCI
TA18	SOAP DISPENSER, SURFACE-MOUNT, MANUAL (LIQUID TYPE)	OFOI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA26	30" HORIZONTAL GRAB BAR	CFCI
TA27	48" HORIZONTAL GRAB BAR	CFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	CFCI
TA32	MIRROR, CHANNEL FRAMED (24 x 60 INCHES)	CFCI
TA33	ROBE HOOK	CFCI
TA36	SANITARY NAPKIN DISPOSAL - SURF-MT, BOTTOM HINGED	CFCI
TA41	HEAVY DUTY SHOWER ROD	CFCI
TA42	SHOWER CURTAIN	CFCI
TA55	DIAPER CHANGING STATION, SURFACE-MOUNT	CFCI
TA80	WARM AIR HAND DRYER	CFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI



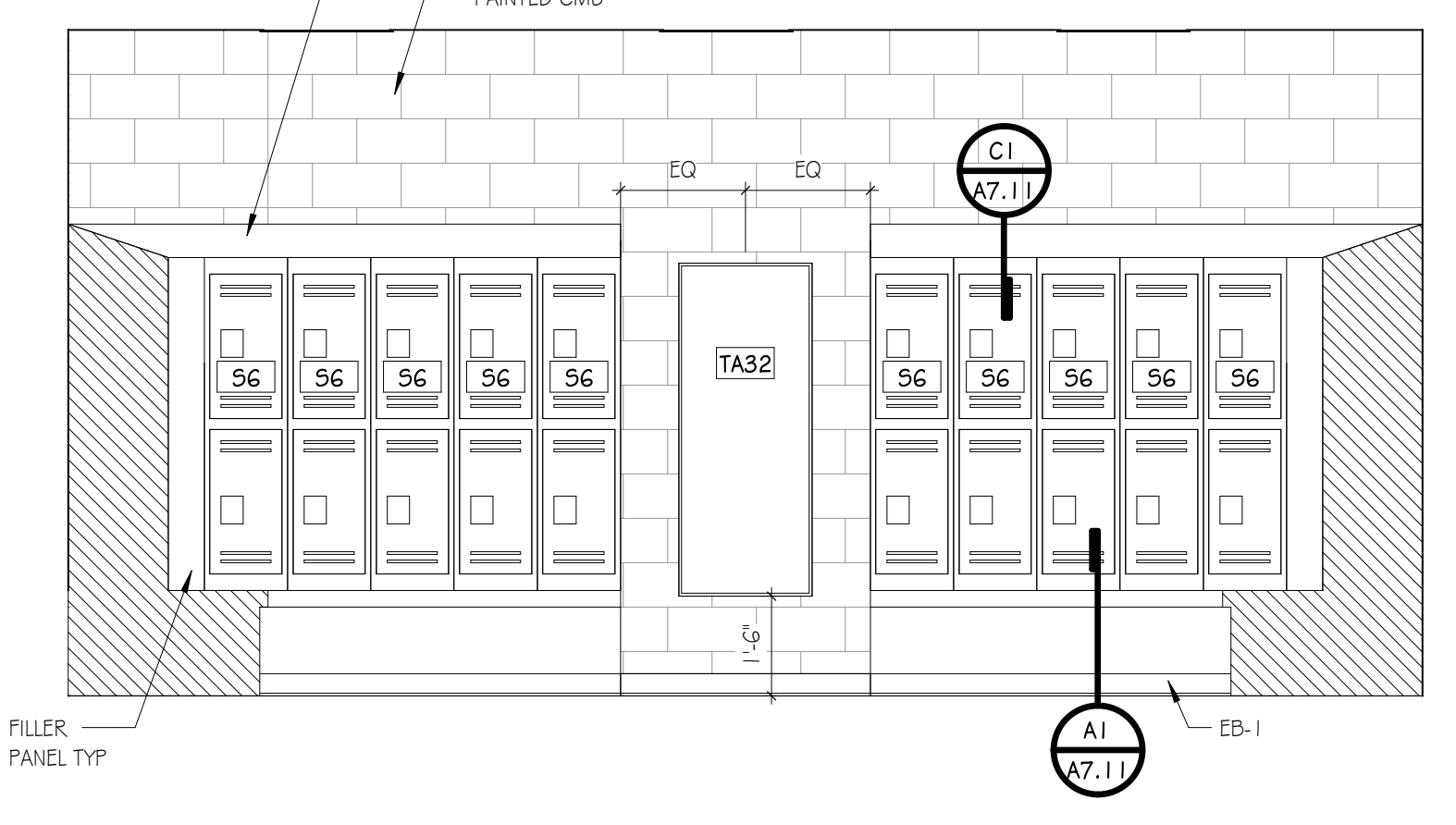
E1 MENS 107 - TOILETS
SCALE: 3/8" = 1'-0"



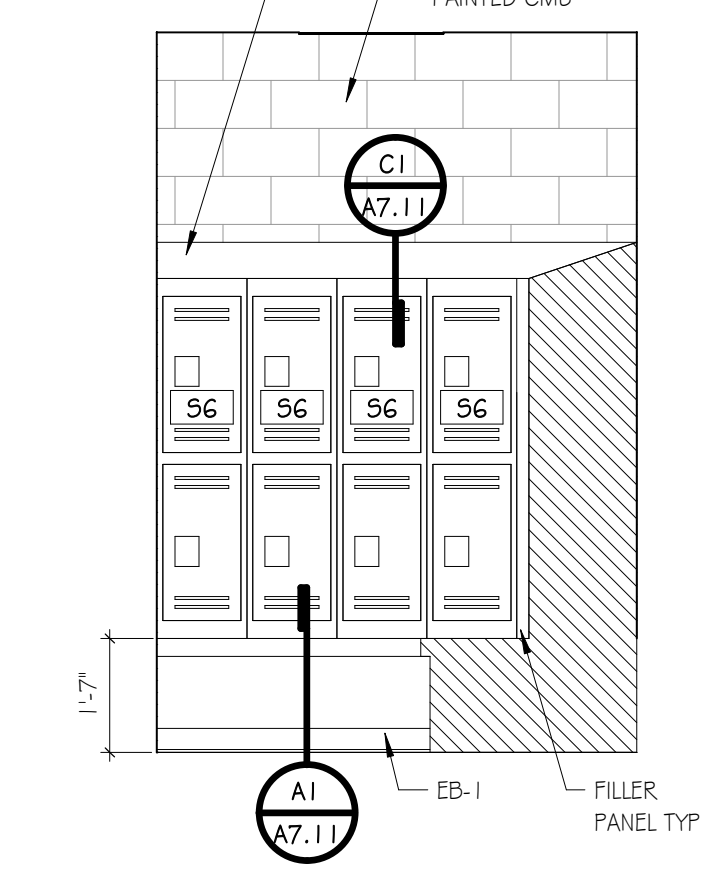
E3 MENS 107 - SINKS
SCALE: 3/8" = 1'-0"



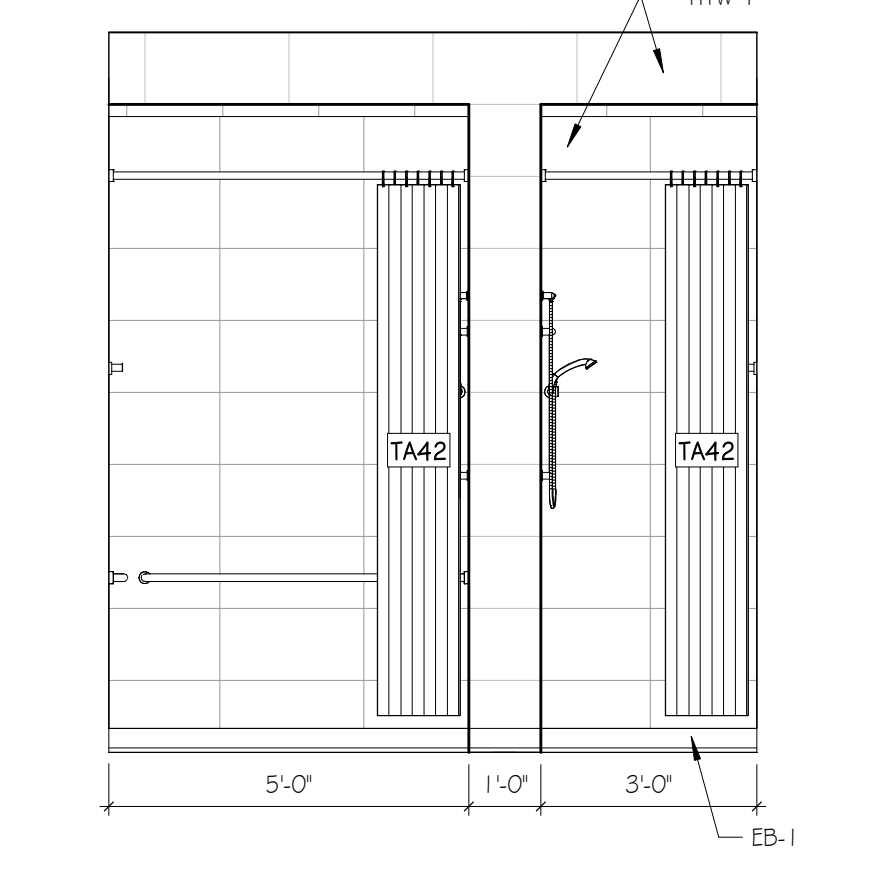
E5 M 107 LOCKERS - 1
SCALE: 3/8" = 1'-0"



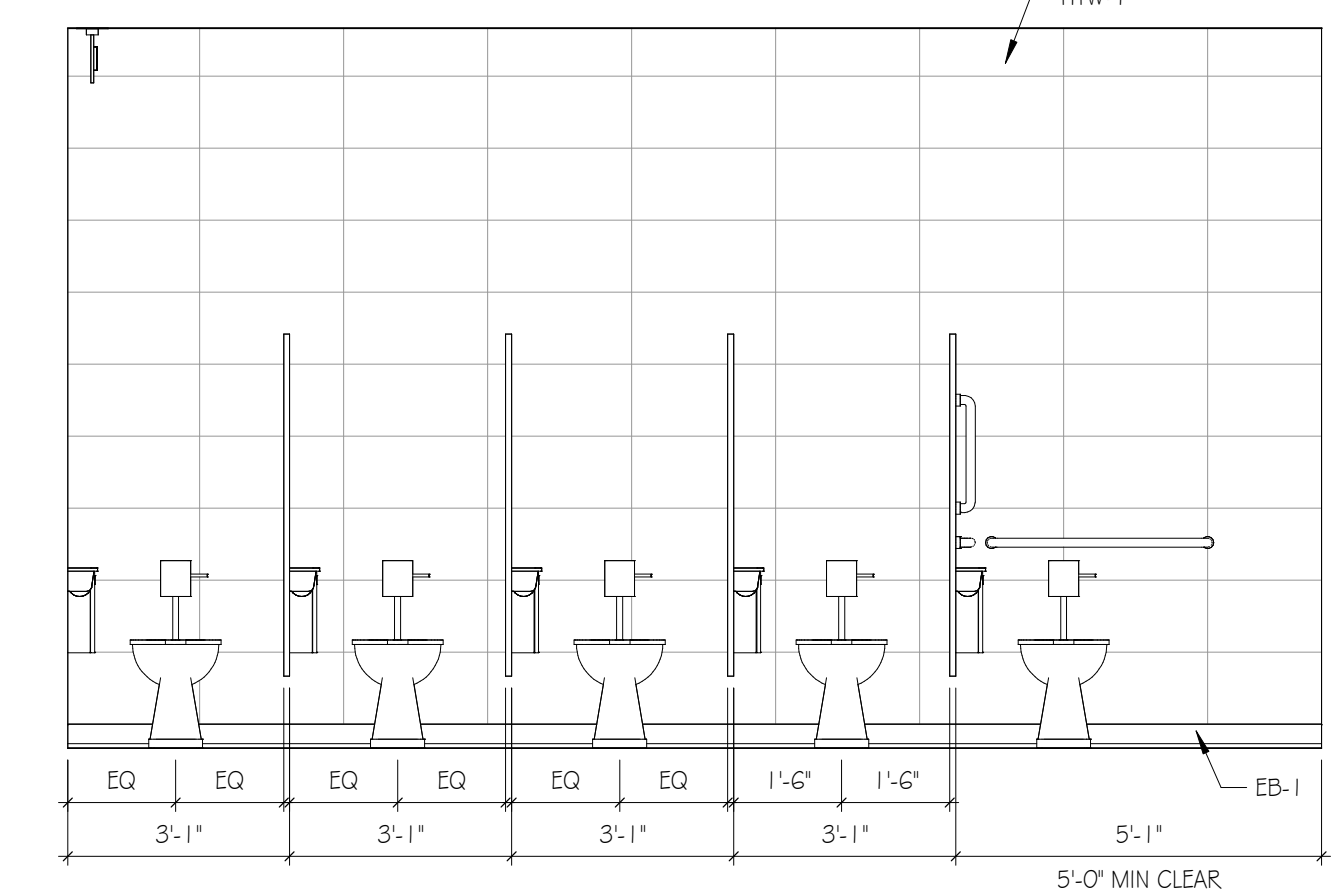
E6 M 107 LOCKERS - 2
SCALE: 3/8" = 1'-0"



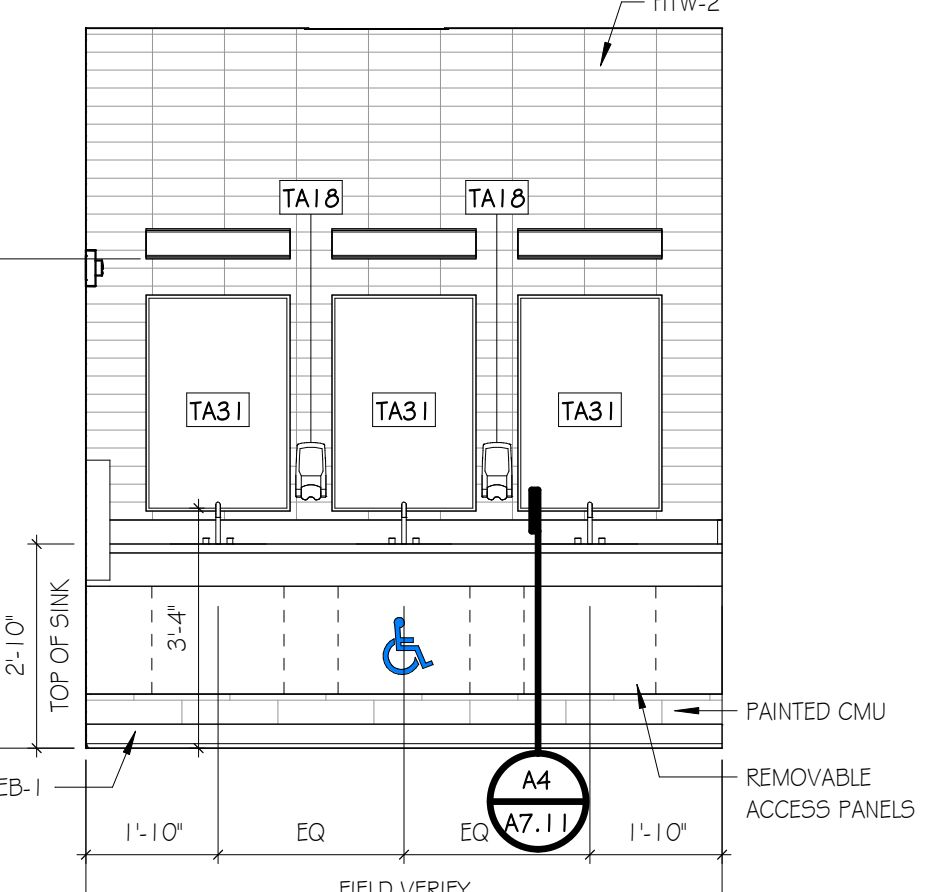
E9 M 107 LOCKERS - 3
SCALE: 3/8" = 1'-0"



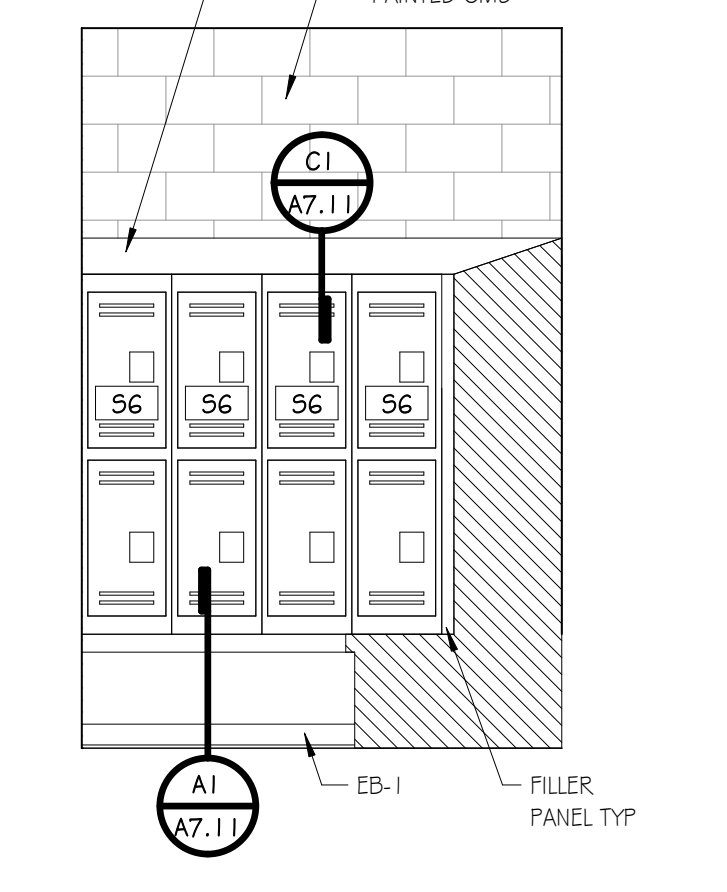
E11 MENS 107 - SHOWERS
SCALE: 3/8" = 1'-0"



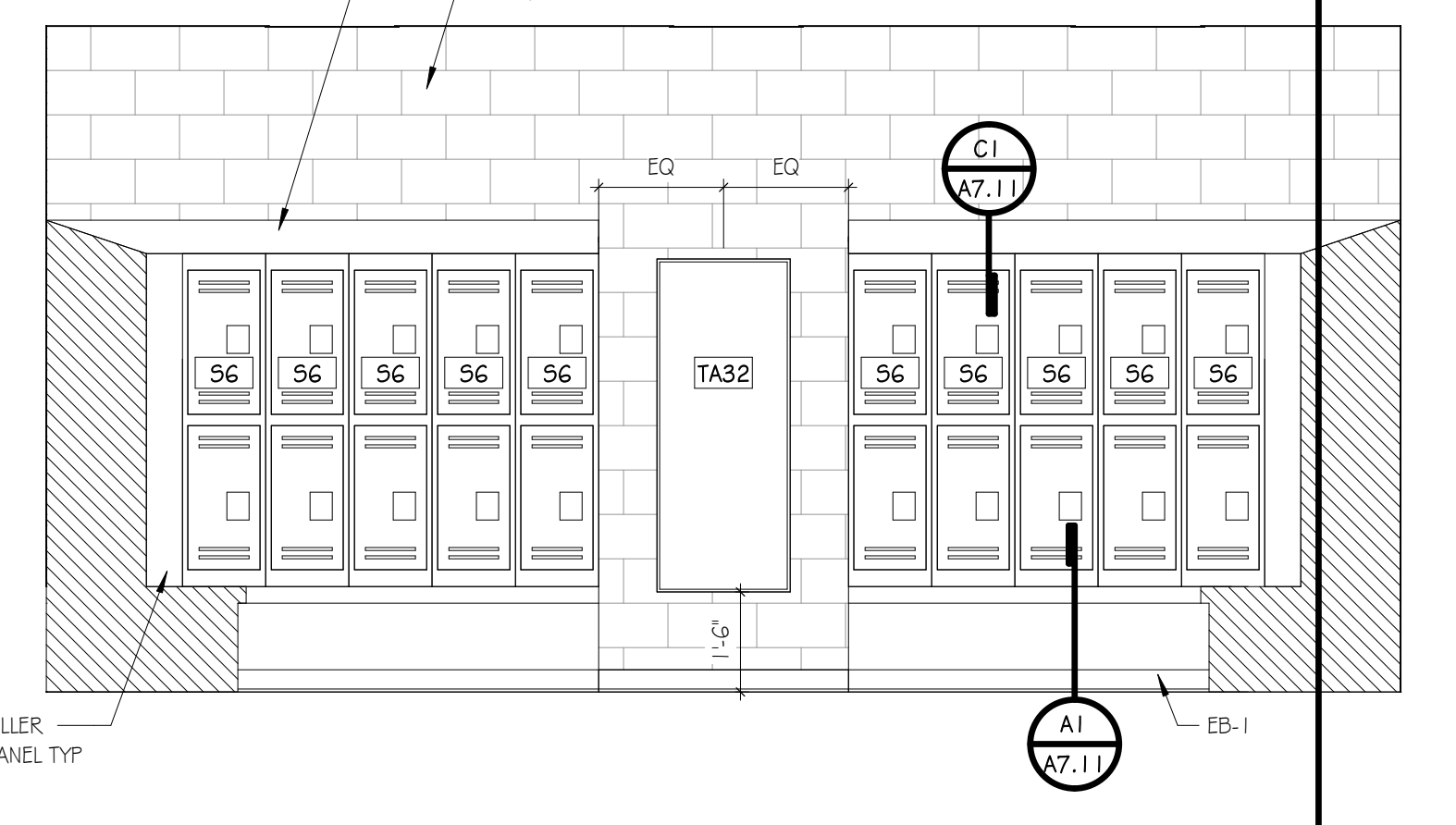
C1 WOMENS 103 - TOILETS
SCALE: 3/8" = 1'-0"



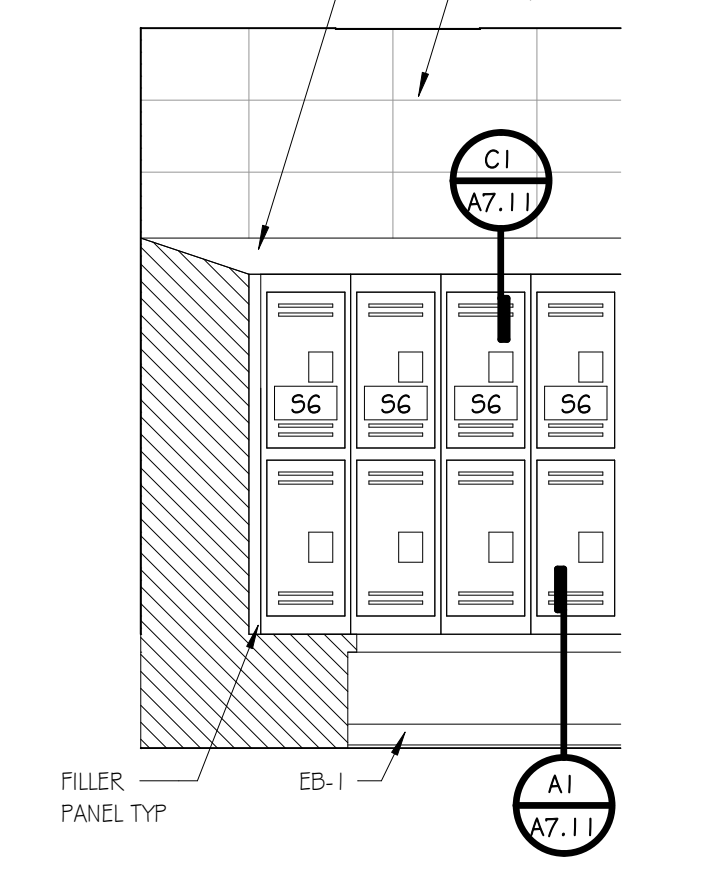
C3 WOMENS 103 - SINKS
SCALE: 3/8" = 1'-0"



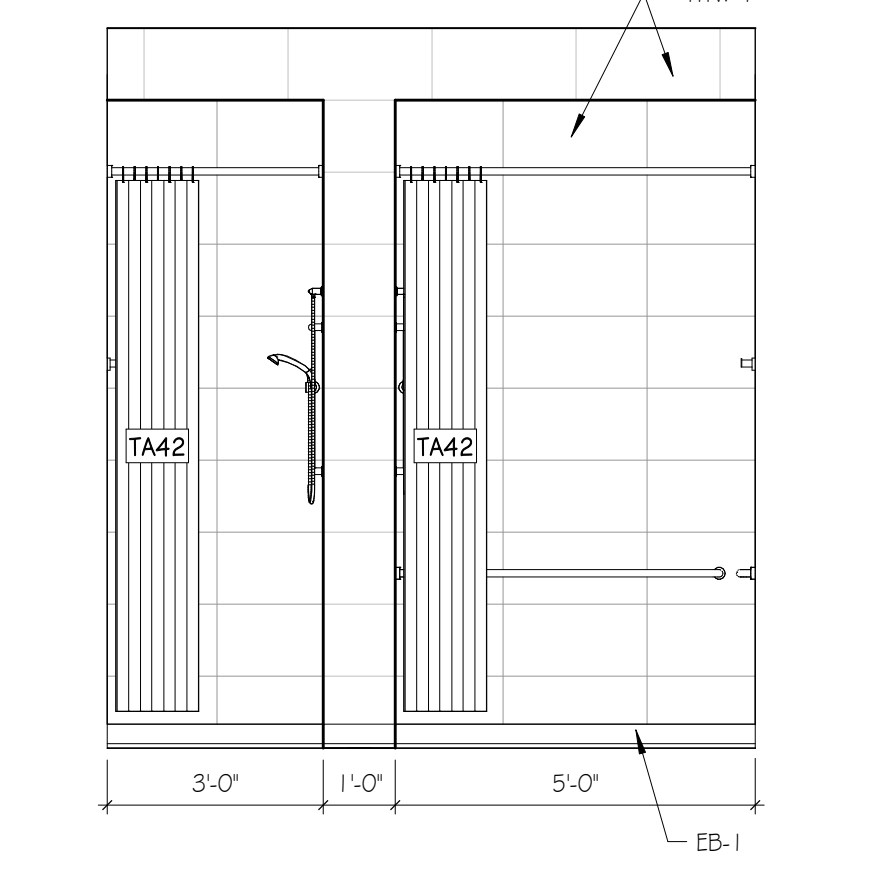
C5 W LOCKERS 103 - 1
SCALE: 3/8" = 1'-0"



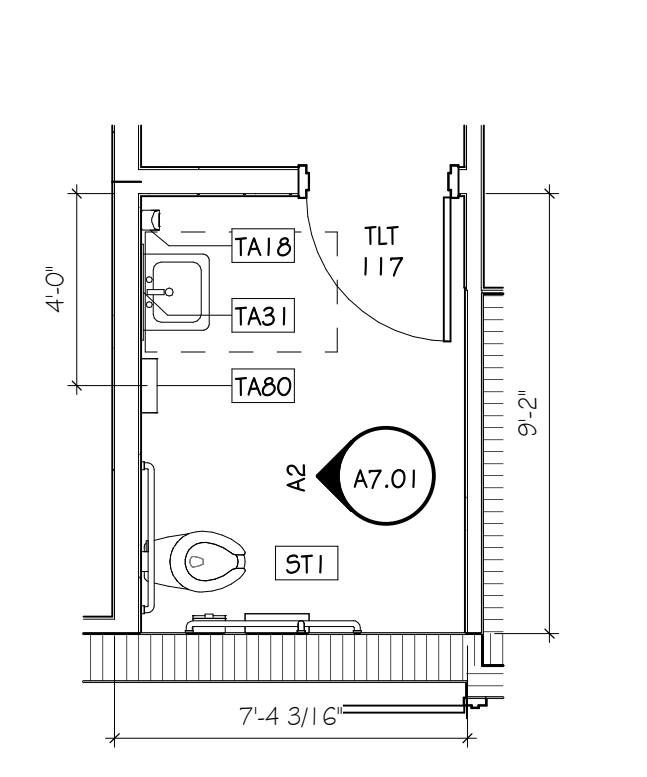
C6 W LOCKERS 103 - 2
SCALE: 3/8" = 1'-0"



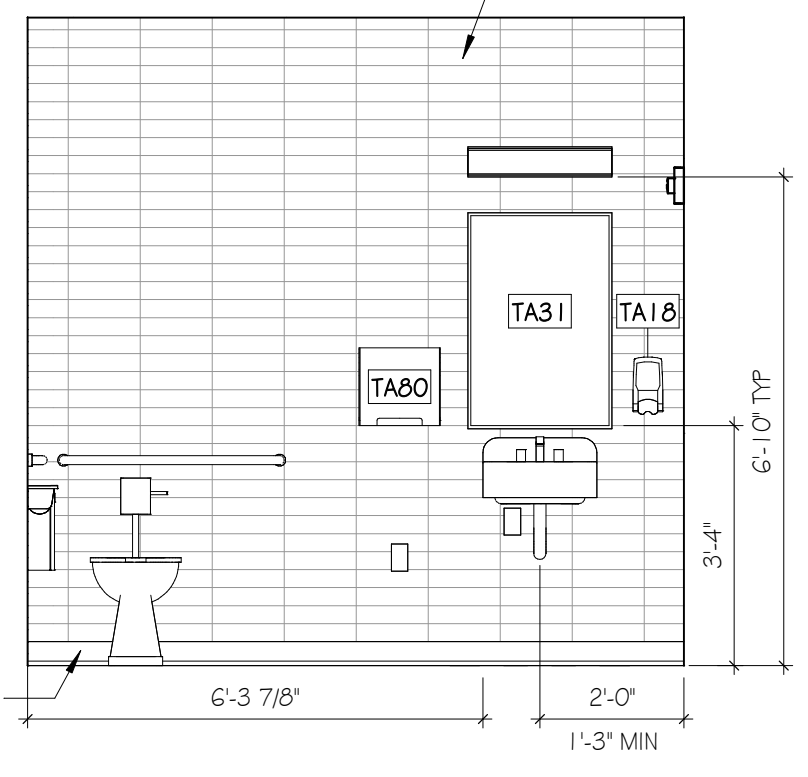
C9 W LOCKERS 103 - 3
SCALE: 3/8" = 1'-0"



C11 WOMENS 103 - SHOWERS
SCALE: 3/8" = 1'-0"



A1 TLT 117
SCALE: 1/4" = 1'-0"



A2 TLT 117
SCALE: 3/8" = 1'-0"

GMC

Goodwyn Mills Caswood, LLC
2400 5th Avenue South, Suite 200
Birmingham, AL 35233
T 205.879.4462
GMCNETWORK.COM

ISSUE	DATE
IFB SET	05/28/2024

DRAWN BY: Author
CHECKED BY: Checker

RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA

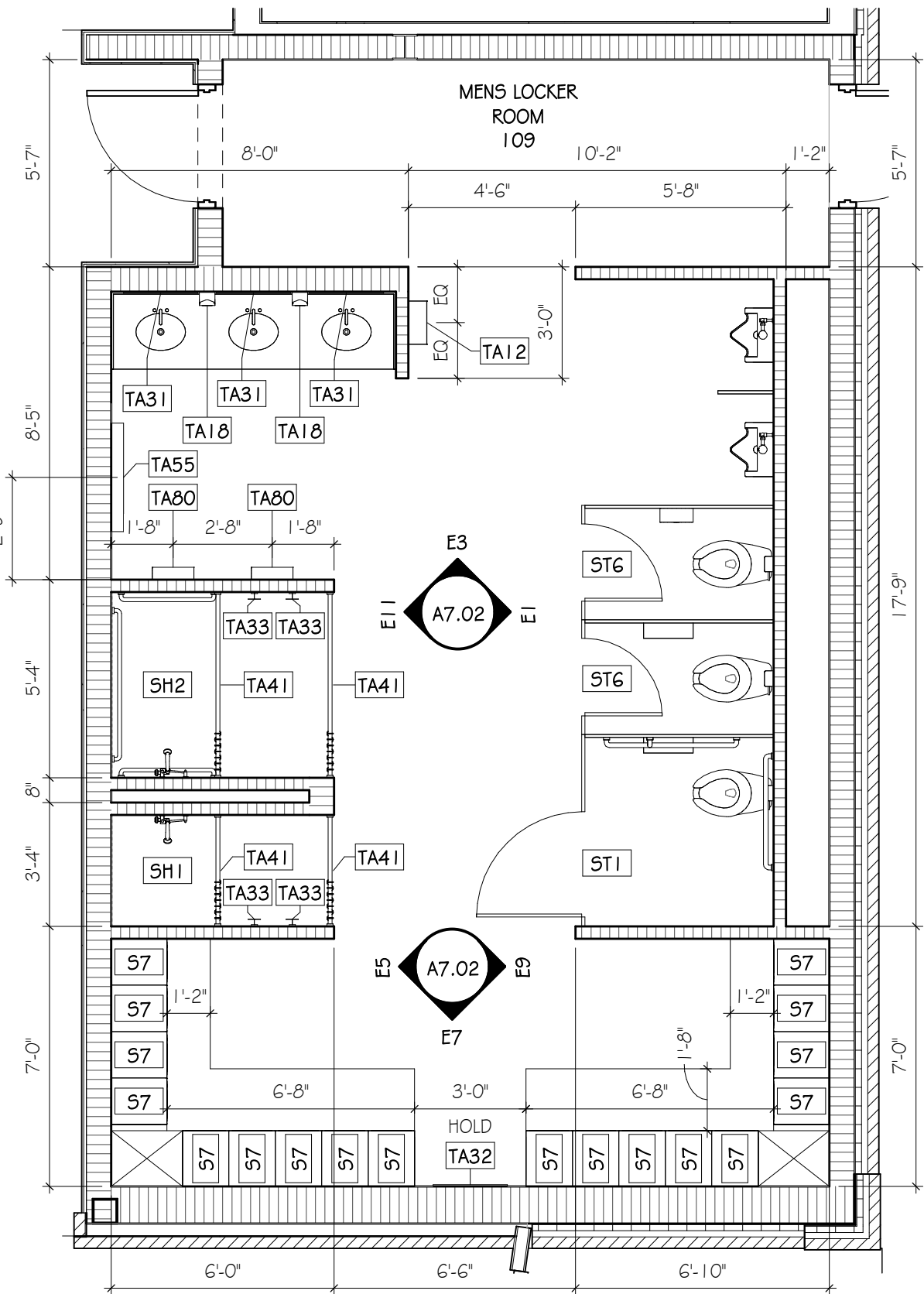
STATE OF ALABAMA
PATRICK SWATER
8969
REGISTERED ARCHITECT

A7.01

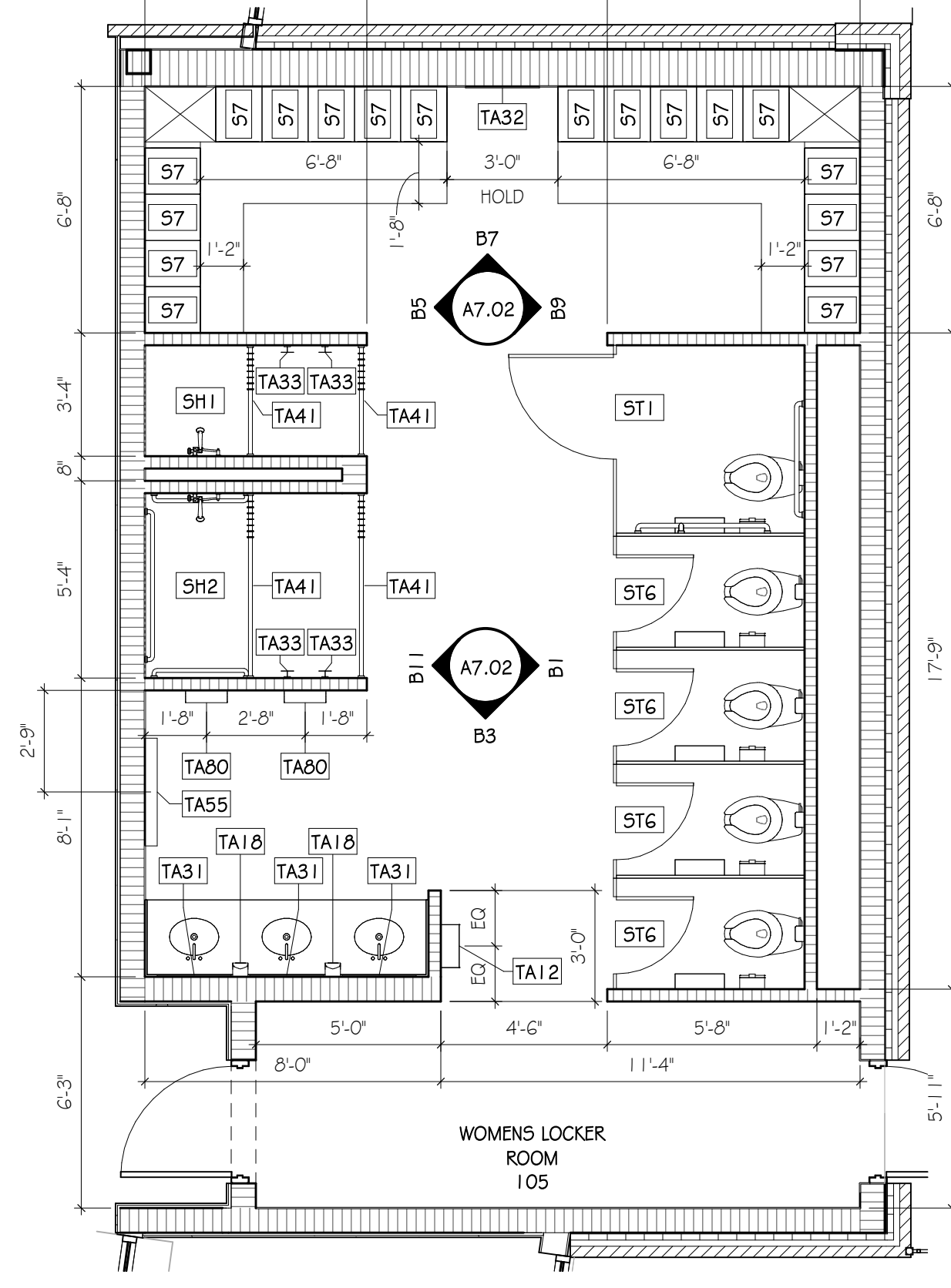
INTERIORS - LOCKER ROOMS

GMC # ABHM230021

30-May-24 11:46:48 TEMPLATE VERSION: 2023.1



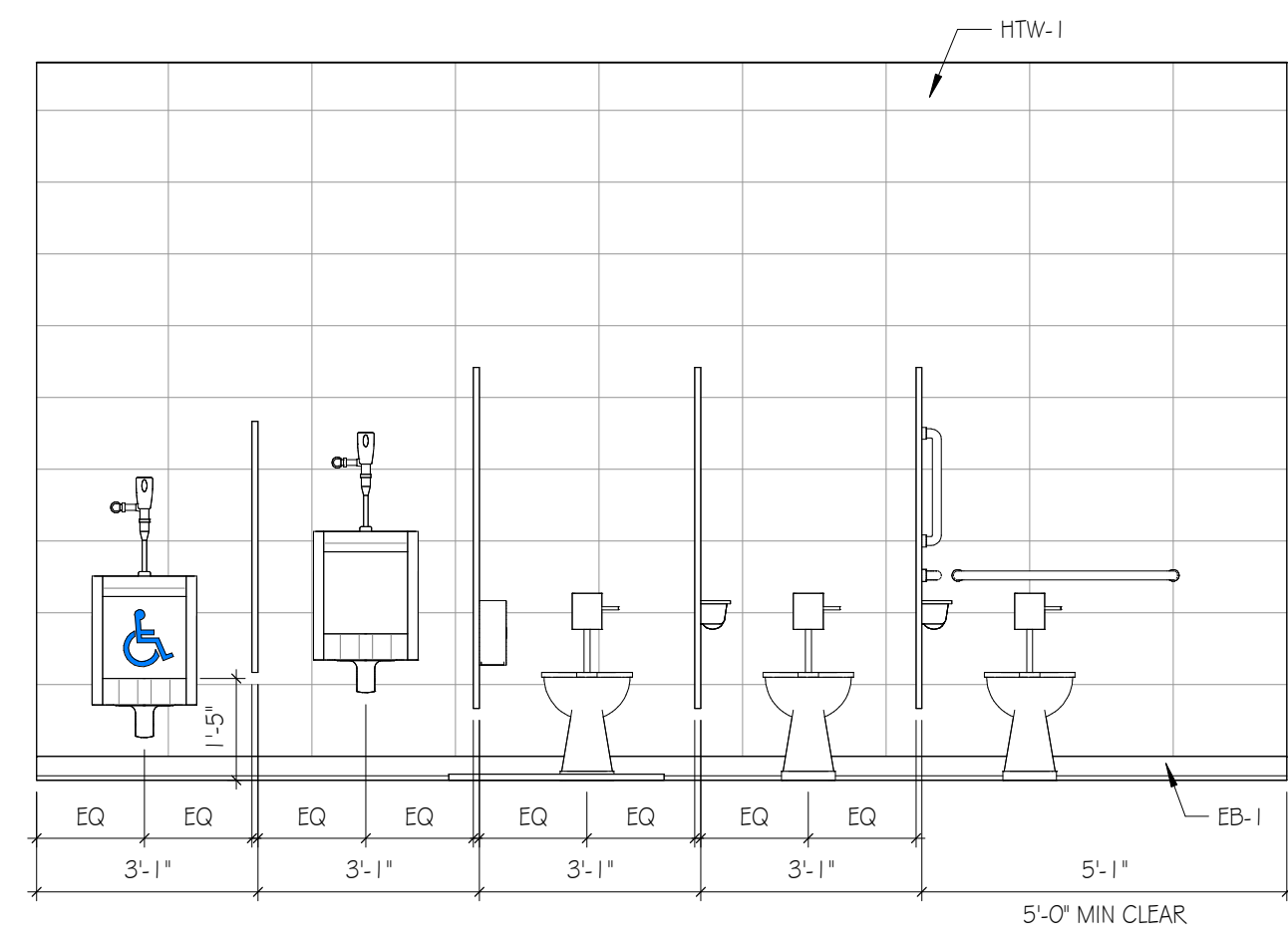
G1 MENS WET LOCKER ROOM 109
SCALE: 1/4"=1'-0"



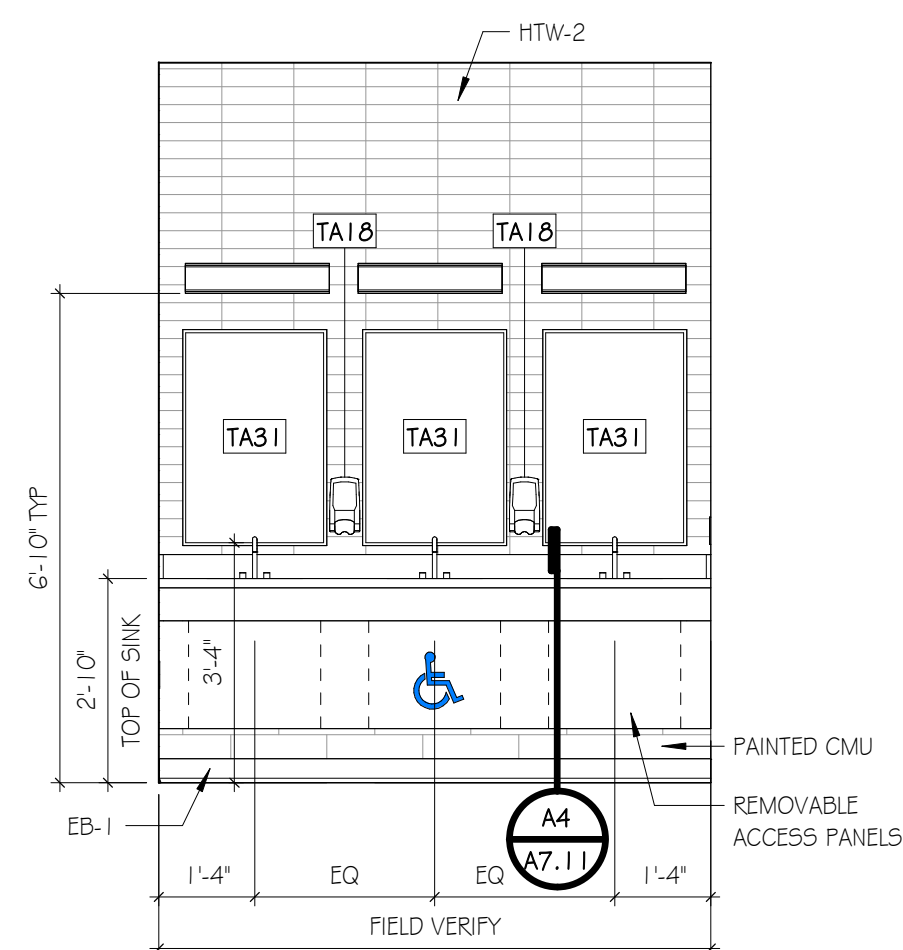
G3 WOMENS WET LOCKER ROOM 135
SCALE: 1/4"=1'-0"

SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	COMMENTS
S1	RESIDENTIAL WASHER	OFOI
S2	RESIDENTIAL DRYER	OFOI
S3	KEURIG COFFEE MAKER	OFOI
S4	SIDE BY SIDE REFRIGERATOR	OFOI
S6	2 TIER METAL LOCKER - 15" W x 18" D x 66" H	CFCI
S7	3 TIER PHENOLIC LOCKER - 15" W x 18" D x 56 1/2" H	CFCI
S8	SUMMIT BIM4GADA UNDERCOUNTER ICE MACHINE	CFCI
S9	MICROWAVE - UNDERCOUNTER CABINET INSTALL	OFOI
S10	WALL MOUNTED PROJECTION SCREEN - MANUAL	CFCI
S11	3 TIER PHENOLIC LOCKER - 15" W x 18" D x 76" H	CFCI
S12	ICE MACHINE - LARGE	OFOI
S13	STAINLESS STEEL SHELF - ULINE H7500 - 60" W x 12" D x 10" H	CFCI
S21	SQUARE ACOUSTICAL PANEL	CFCI
S23	MIRROR - 4' W x 7' H	CFCI
S24	MOUNTED BALLET BAR	CFCI
S25	SCOREBOARD	CFCI
S32	TV - 55"	OFOI
S33	TV - 70"	CFCI

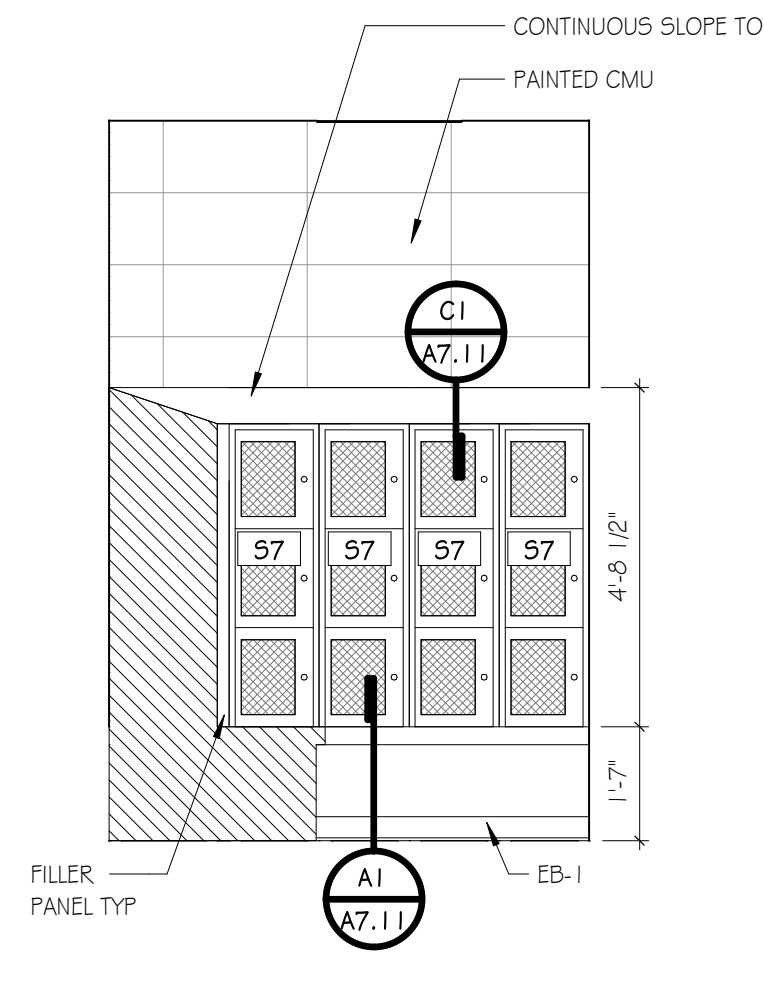
TOILET ACCESSORIES SCHEDULE		
TAG	DESCRIPTION	COMMENTS
TA02	TOILET TISSUE DISP - SGL JUMBO ROLL	OFCI
TA12	WASTE RECEPTACLE, SURFACE MOUNT, SMALL	CFCI
TA18	SOAP DISPENSER, SURFACE-MOUNT, MANUAL (LIQUID TYPE)	OFCI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA26	30" HORIZONTAL GRAB BAR	CFCI
TA27	48" HORIZONTAL GRAB BAR	CFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	CFCI
TA32	MIRROR, CHANNEL FRAMED (24 x 60 INCHES)	CFCI
TA33	ROBE HOOK	CFCI
TA36	SANITARY NAPKIN DISPOSAL - SURF-MT, BOTTOM HINGED	CFCI
TA41	HEAVY DUTY SHOWER ROD	CFCI
TA42	SHOWER CURTAIN	CFCI
TA55	DIAPER CHANGING STATION, SURFACE-MOUNT	CFCI
TA80	WARM AIR HAND DRYER	CFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI



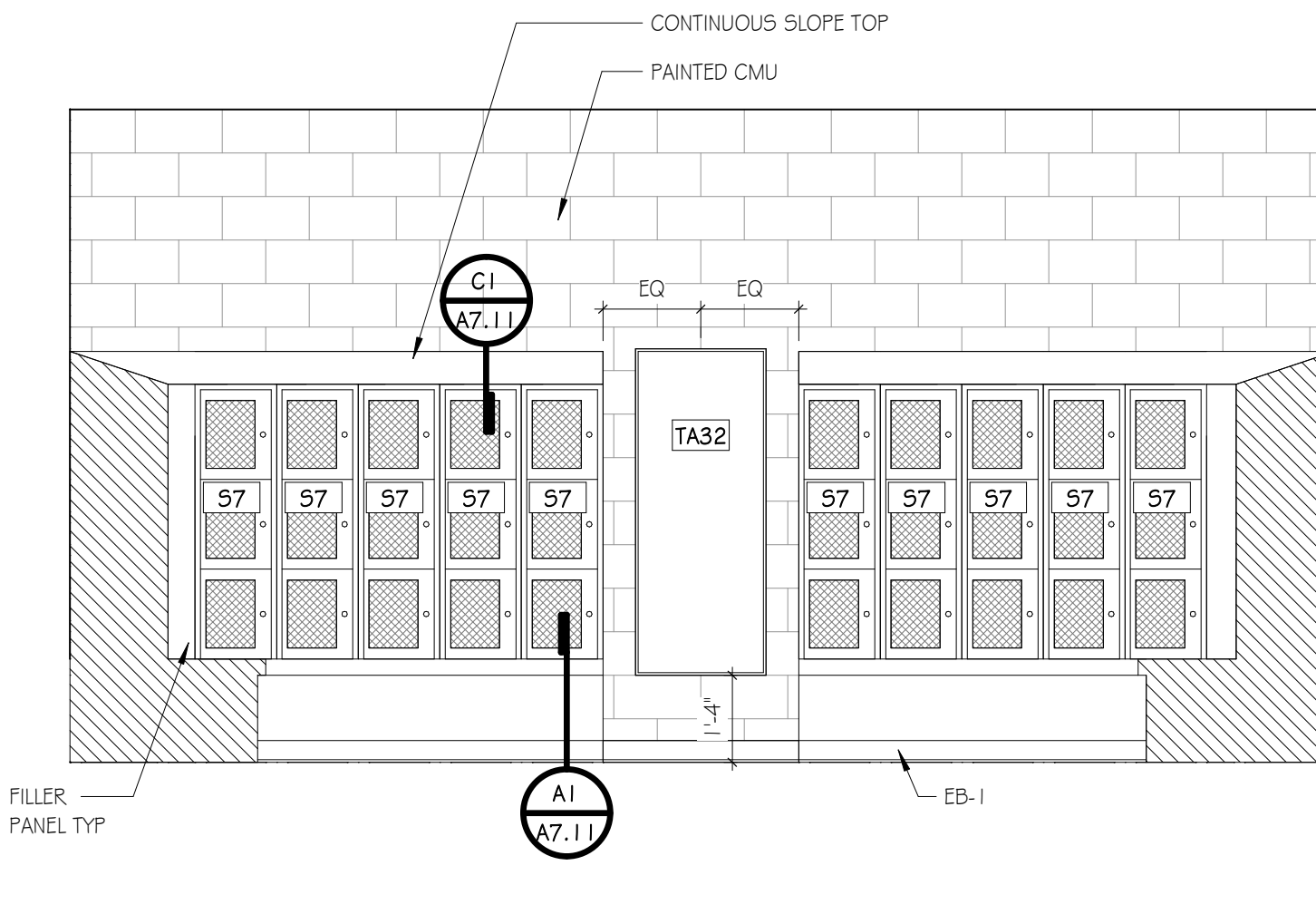
E1 MENS 109 TOILETS
SCALE: 3/8"=1'-0"



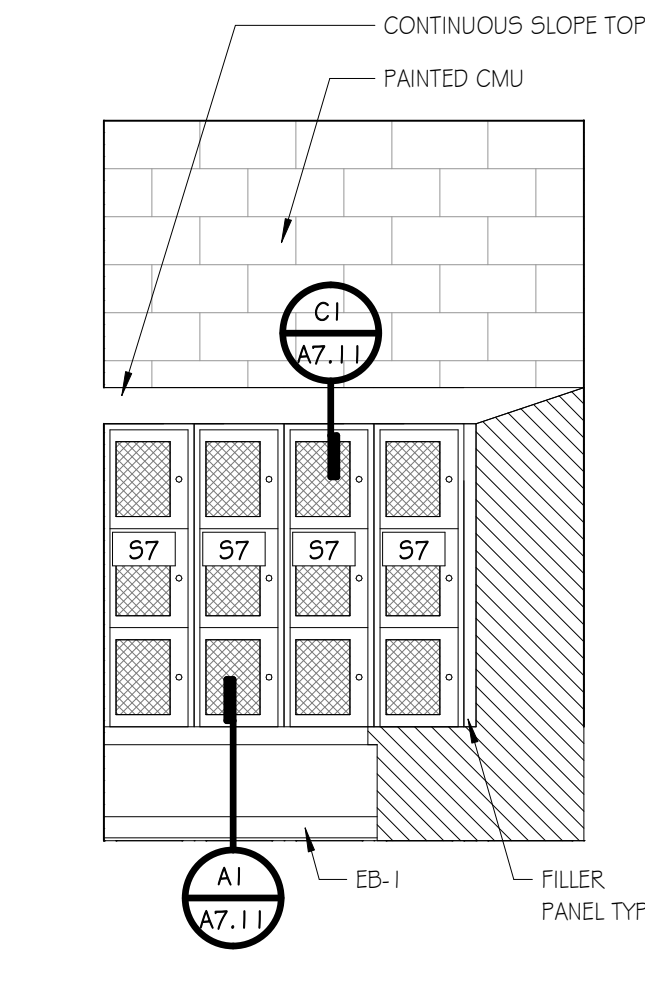
E3 MENS 109 SINKS
SCALE: 3/8"=1'-0"



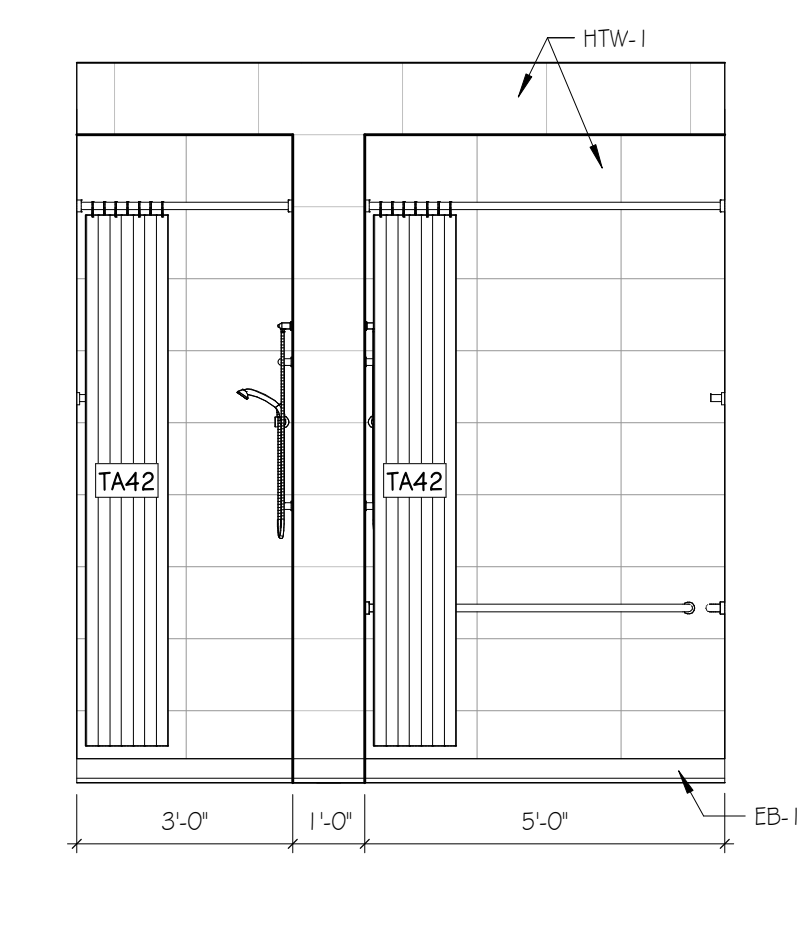
E5 M 109 LOCKERS - 1
SCALE: 3/8"=1'-0"



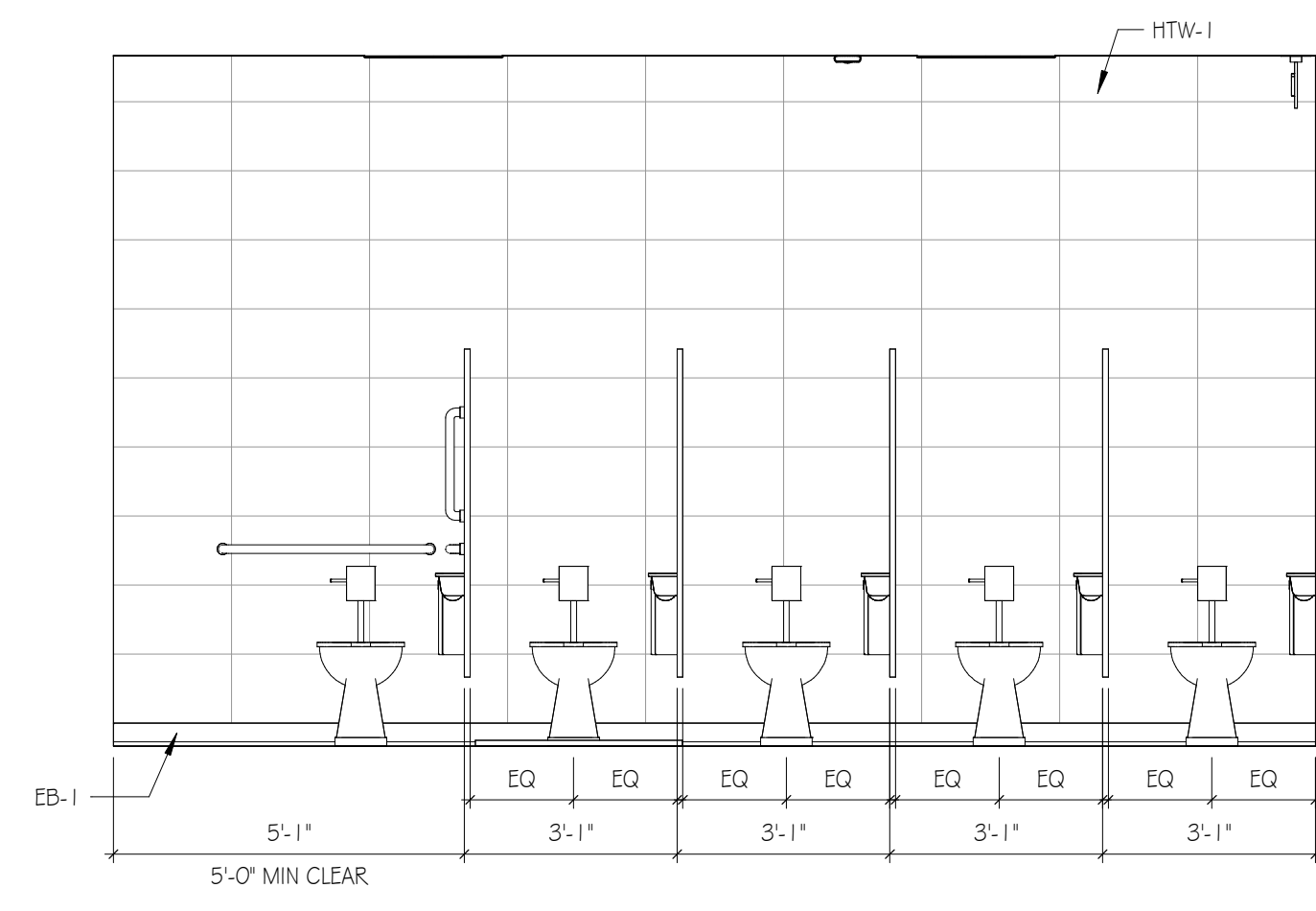
E7 M 109 LOCKERS - 2
SCALE: 3/8"=1'-0"



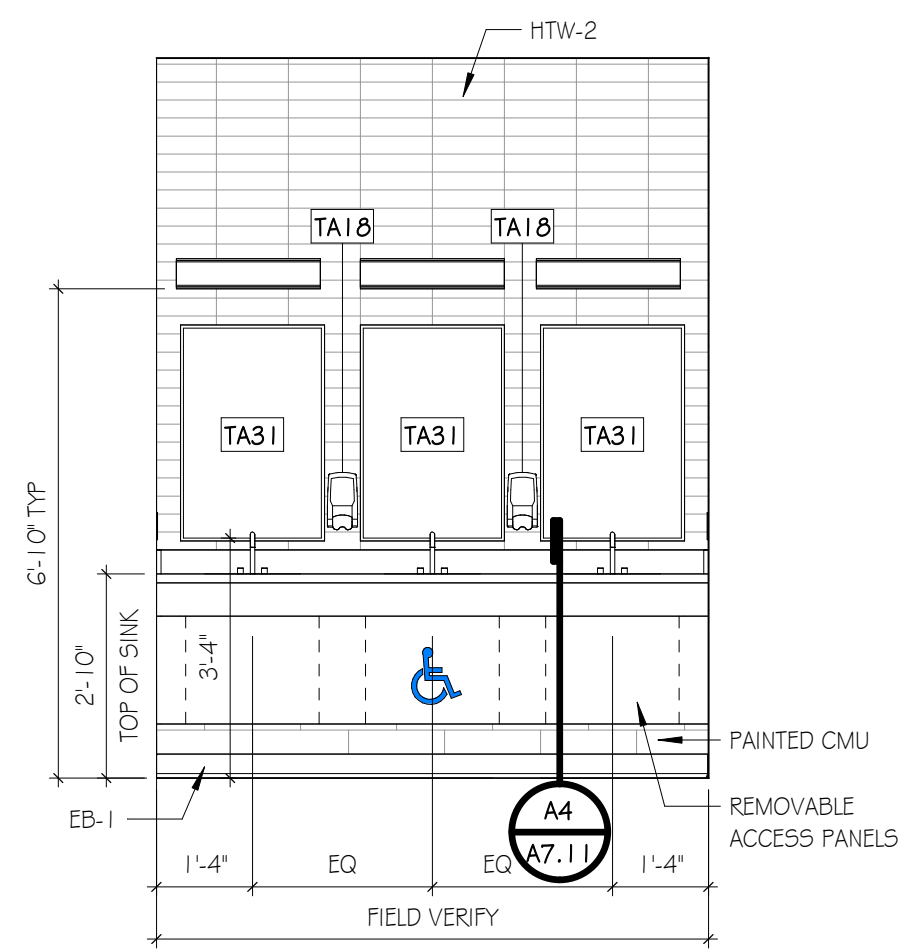
E9 M 109 LOCKERS - 3
SCALE: 3/8"=1'-0"



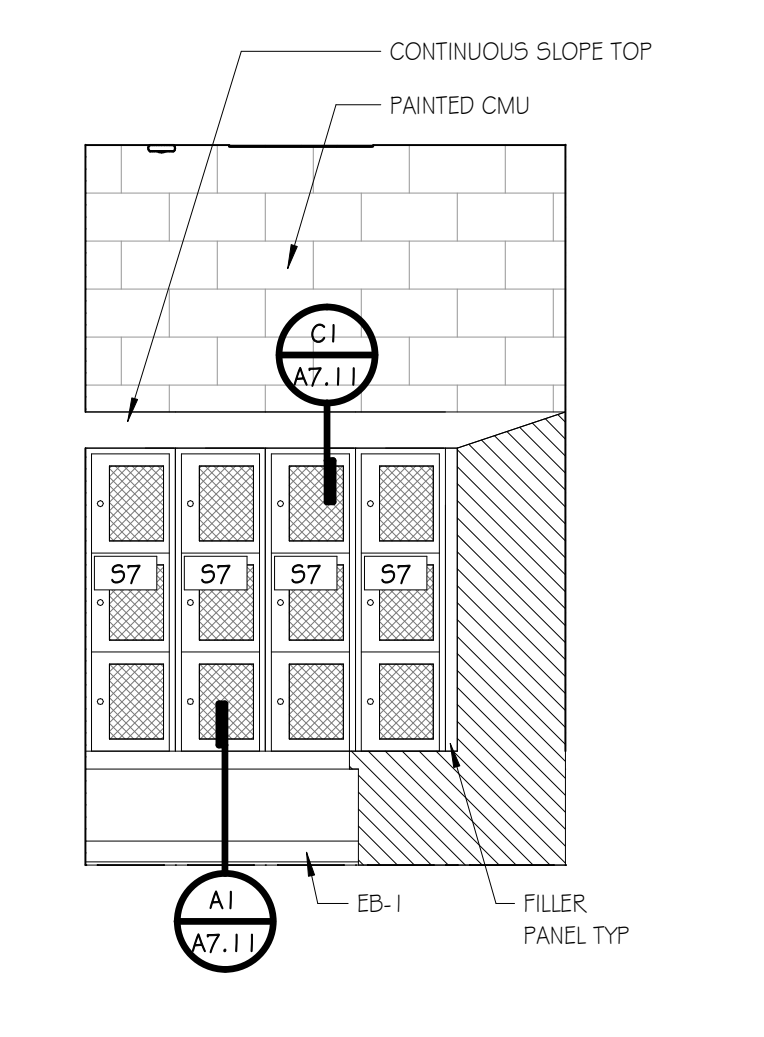
E11 MENS 109 SHOWERS
SCALE: 3/8"=1'-0"



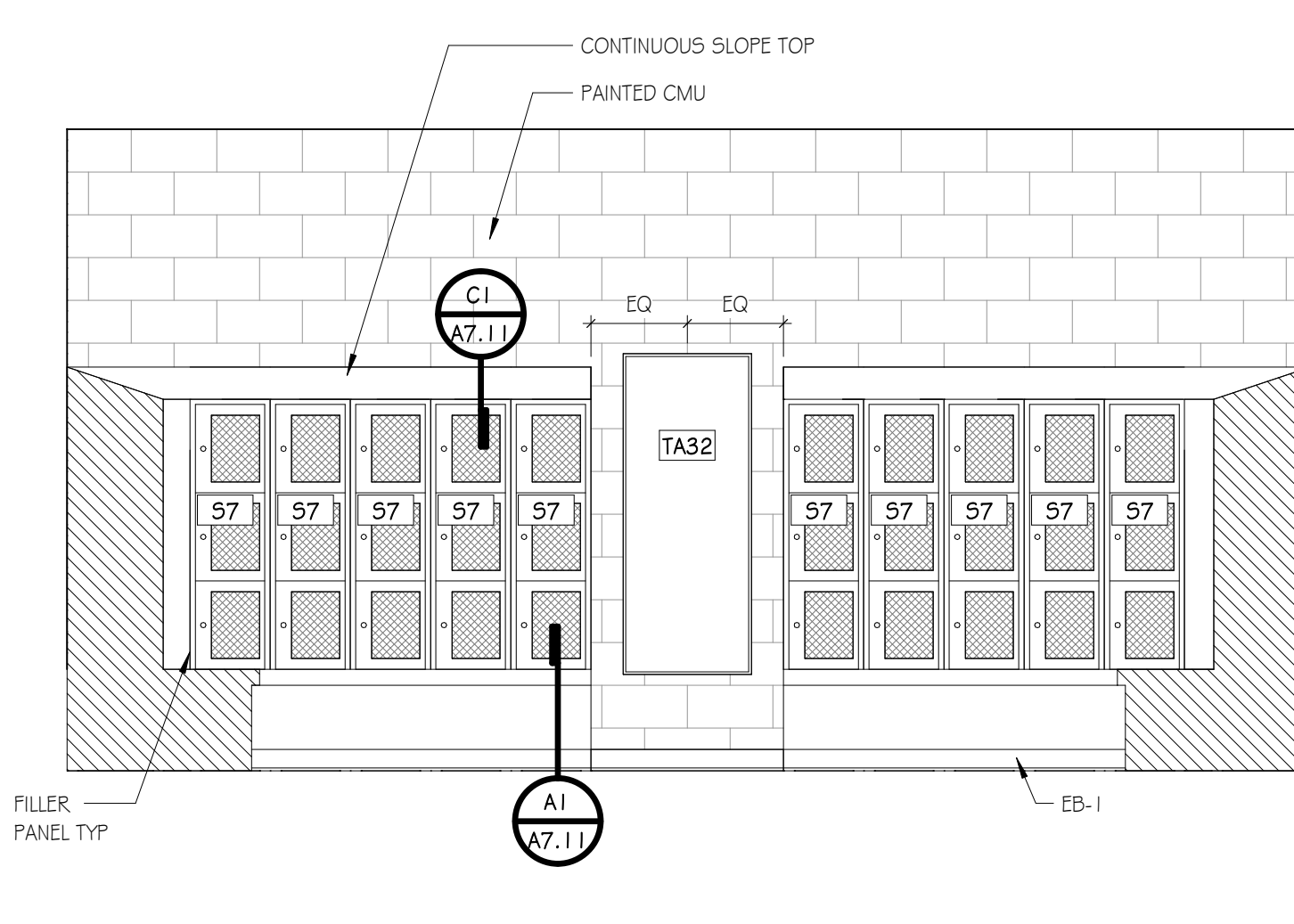
B1 WOMENS 135 TOILETS
SCALE: 3/8"=1'-0"



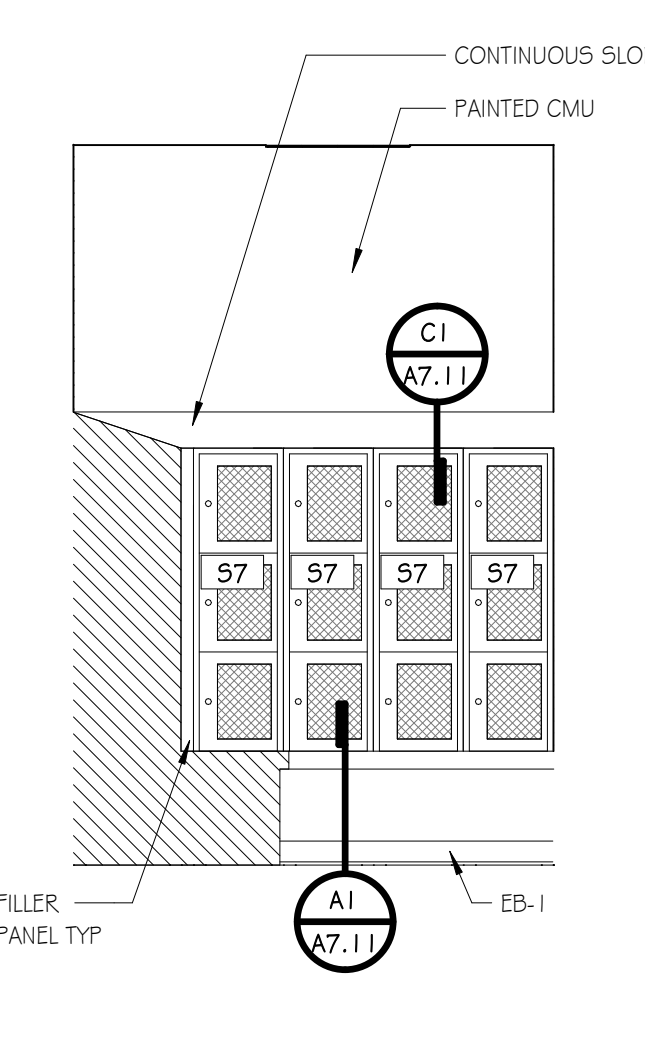
B3 WOMENS 135 SINKS
SCALE: 3/8"=1'-0"



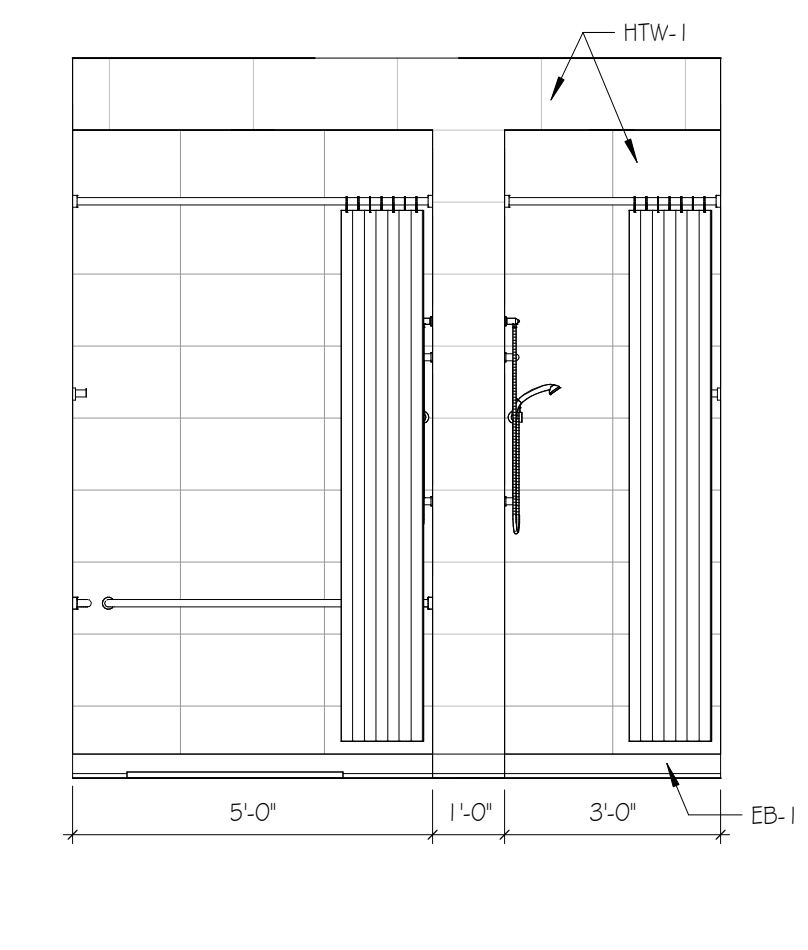
B5 W 135 LOCKERS - 1
SCALE: 3/8"=1'-0"



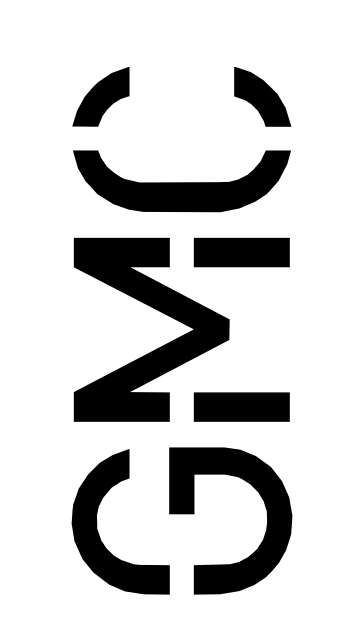
B7 W 135 LOCKERS - 2
SCALE: 3/8"=1'-0"



B9 W 135 LOCKERS - 3
SCALE: 3/8"=1'-0"



B11 WOMENS 135 SHOWERS
SCALE: 3/8"=1'-0"



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ISSUE DATE	DATE
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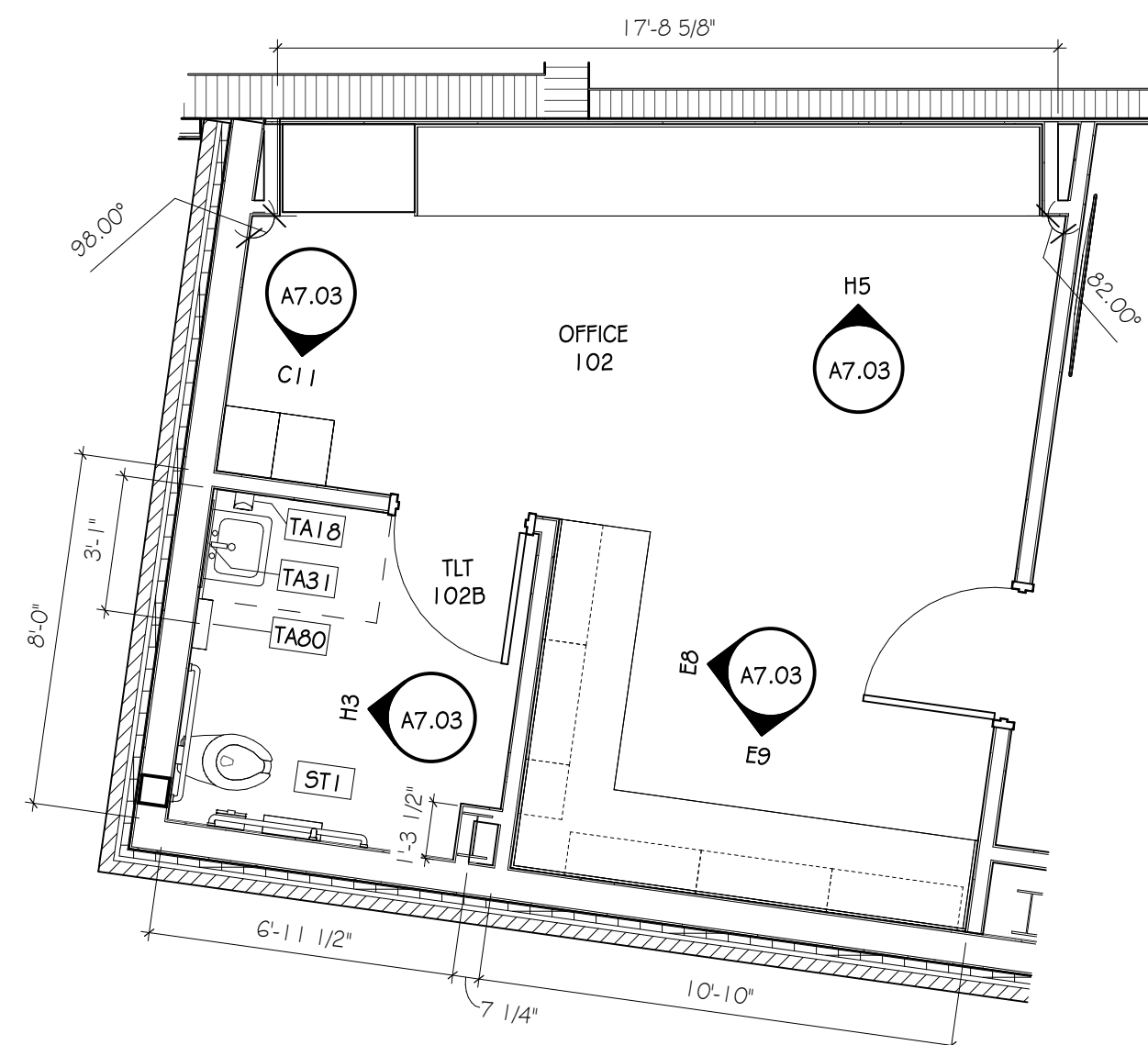
DRAWN BY: Author
CHECKED BY: Checker

RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA

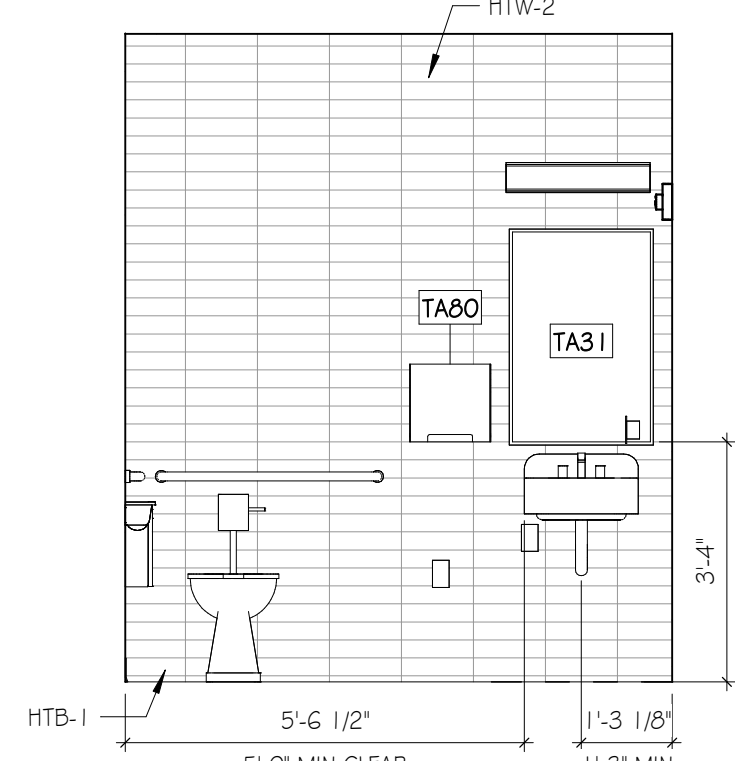


INTERIORS - LOCKER ROOMS
A7.02

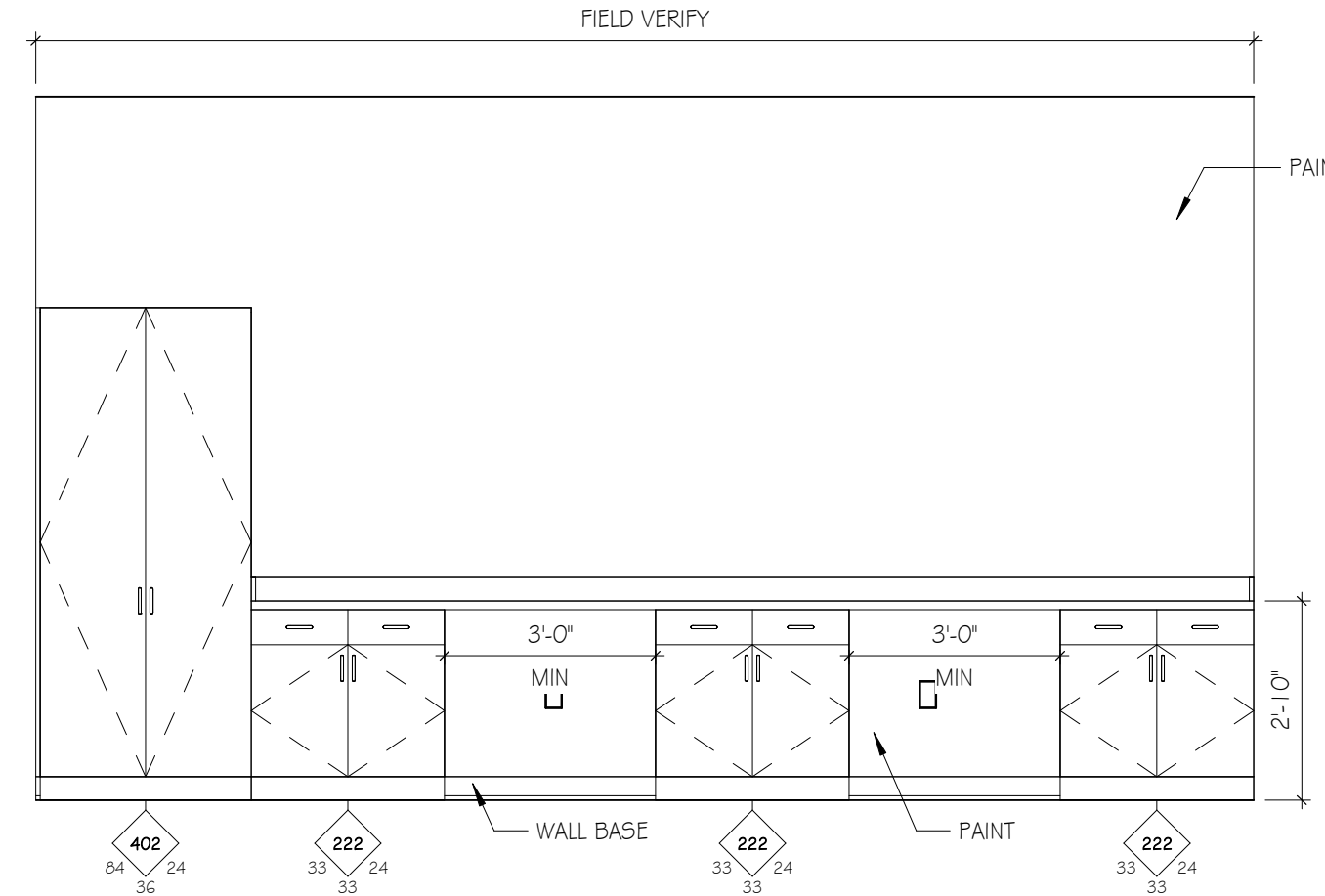
GMC # ABHM230021



H1 FRONT OFFICE SPACE
SCALE: 1/4"=1'-0"



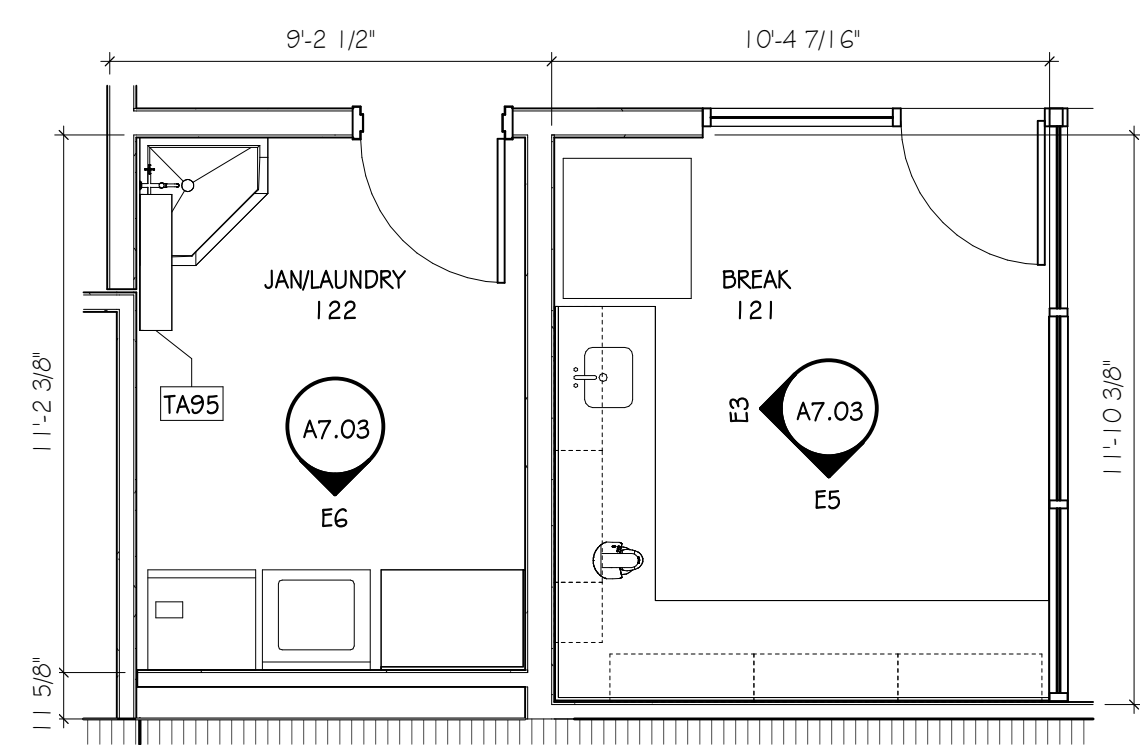
H3 TLT 102
SCALE: 3/8"=1'-0"



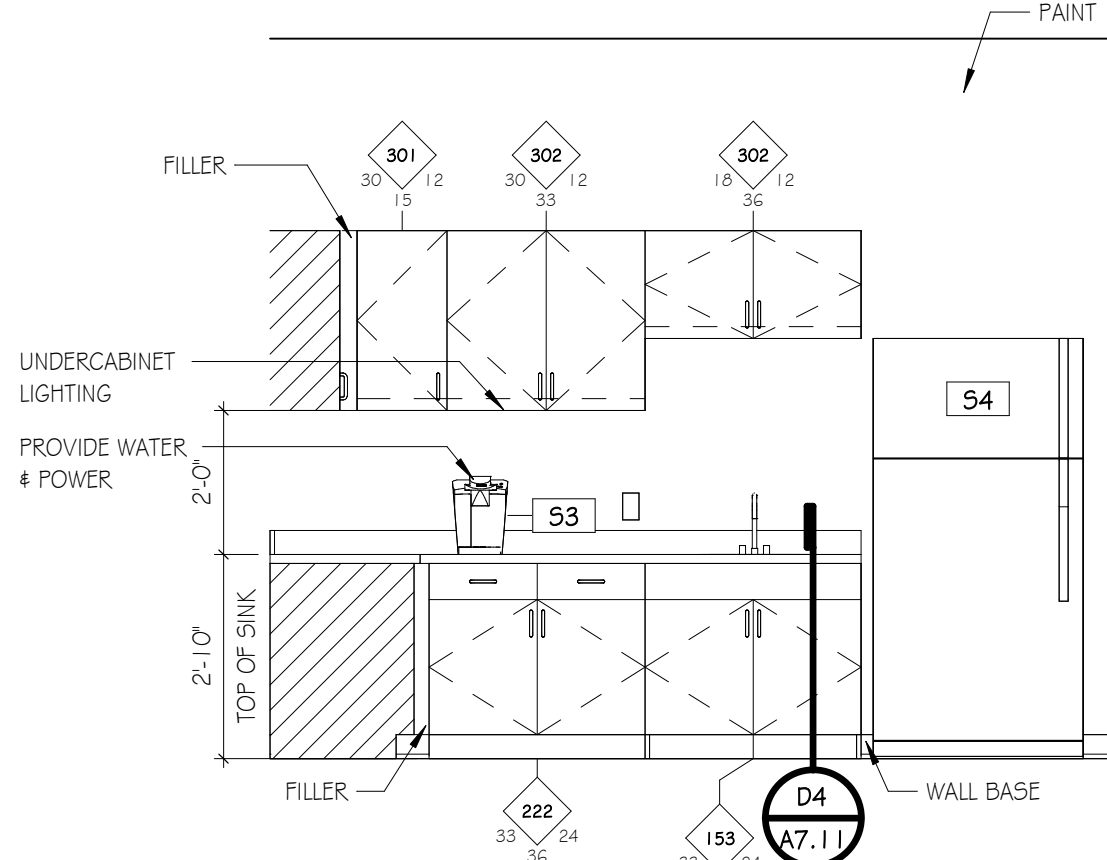
H5 OFFICE 136 - 1
SCALE: 3/8"=1'-0"

SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	COMMENTS
S1	RESIDENTIAL WASHER	OFOI
S2	RESIDENTIAL DRYER	OFOI
S3	KEURIG COFFEE MAKER	OFOI
S4	SIDE BY SIDE REFRIGERATOR	OFOI
S6	2 TIER METAL LOCKER - 15" W x 18" D x 66" H	CFCI
S7	3 TIER PHENOLIC LOCKER - 15" W x 18" D x 56 1/2" H	CFCI
S8	SUMMIT BIM44GADA UNDERCOUNTER ICE MACHINE	CFCI
S9	MICROWAVE - UNDERCOUNTER CABINET INSTALL	OFOI
S10	WALL MOUNTED PROJECTION SCREEN - MANUAL	CFCI
S11	3 TIER PHENOLIC LOCKER - 15" W x 18" D x 76" H	CFCI
S12	ICE MACHINE - LARGE	OFOI
S13	STAINLESS STEEL SHELF - ULINE H7500 - 60" W x 12" D x 10" H	CFCI
S21	SQUARE ACOUSTICAL PANEL	CFCI
S23	MIRROR - 4' W x 7' H	CFCI
S24	MOUNTED BALLET BAR	CFCI
S25	SCOREBOARD	CFCI
S32	TV - 55"	OFOI
S33	TV - 70"	CFCI

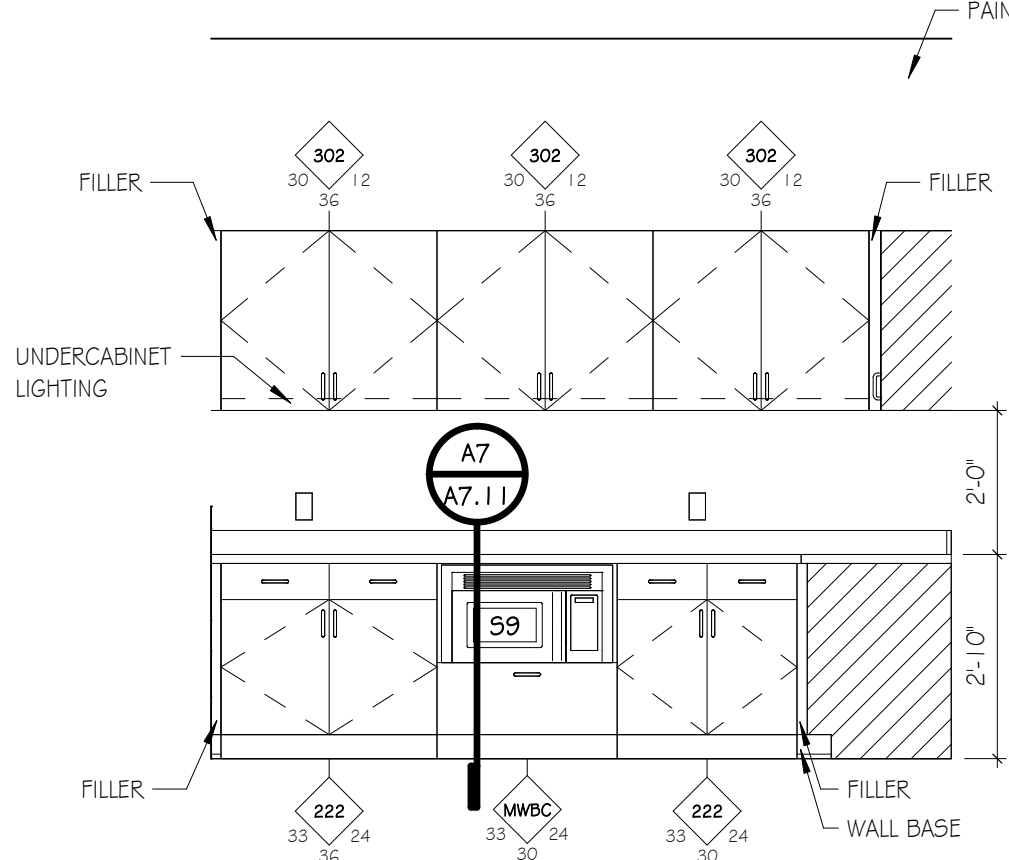
TOILET ACCESSORIES SCHEDULE		
TAG	DESCRIPTION	COMMENTS
TA02	TOILET TISSUE DISP - 5GL JUMBO ROLL	OFCI
TA12	WASTE RECEPTACLE, SURFACE MOUNT, SMALL	CFCI
TA18	SOAP DISPENSER, SURFACE-MOUNT, MANUAL (LIQUID TYPE)	OFCI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA26	30" HORIZONTAL GRAB BAR	CFCI
TA27	48" HORIZONTAL GRAB BAR	CFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	CFCI
TA32	MIRROR, CHANNEL FRAMED (24 x 60 INCHES)	CFCI
TA33	ROBE HOOK	CFCI
TA36	SANITARY NAPKIN DISPOSAL - SURF-MT, BOTTOM HINGED	CFCI
TA41	HEAVY DUTY SHOWER ROD	CFCI
TA42	SHOWER CURTAIN	CFCI
TA55	DIAPER CHANGING STATION, SURFACE-MOUNT	CFCI
TA80	WARM AIR HAND DRYER	CFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI



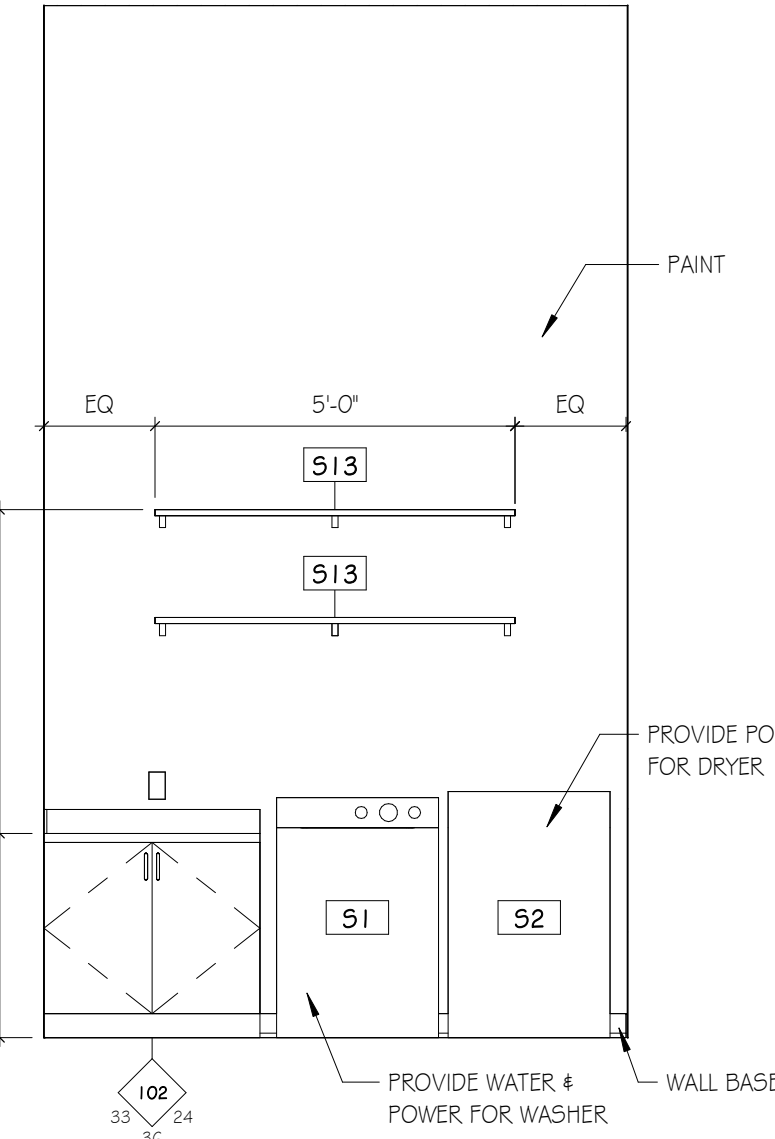
E1 BREAK ROOM 121
SCALE: 1/4"=1'-0"



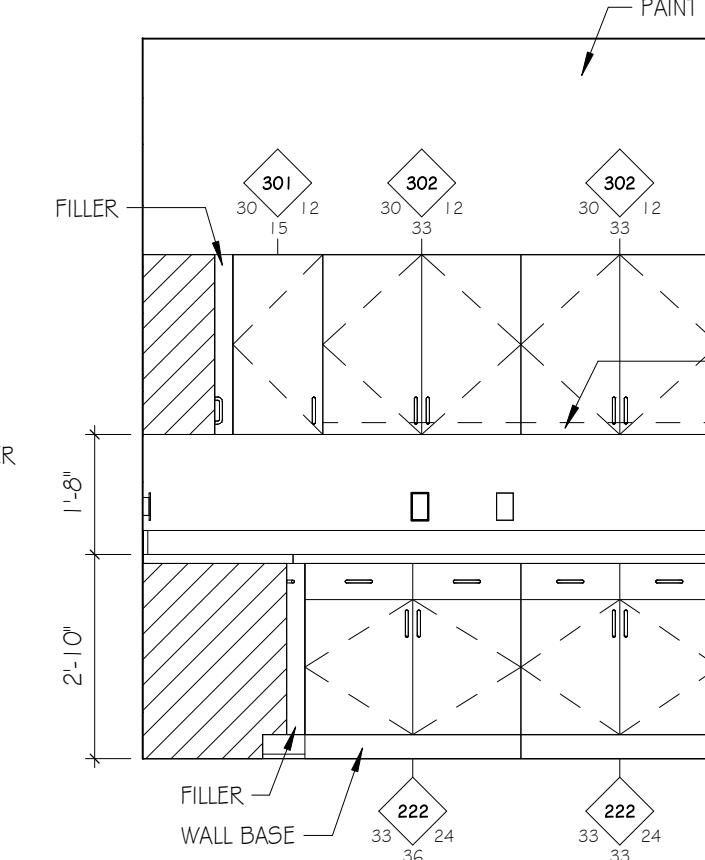
E3 BREAK 121 - 1
SCALE: 3/8"=1'-0"



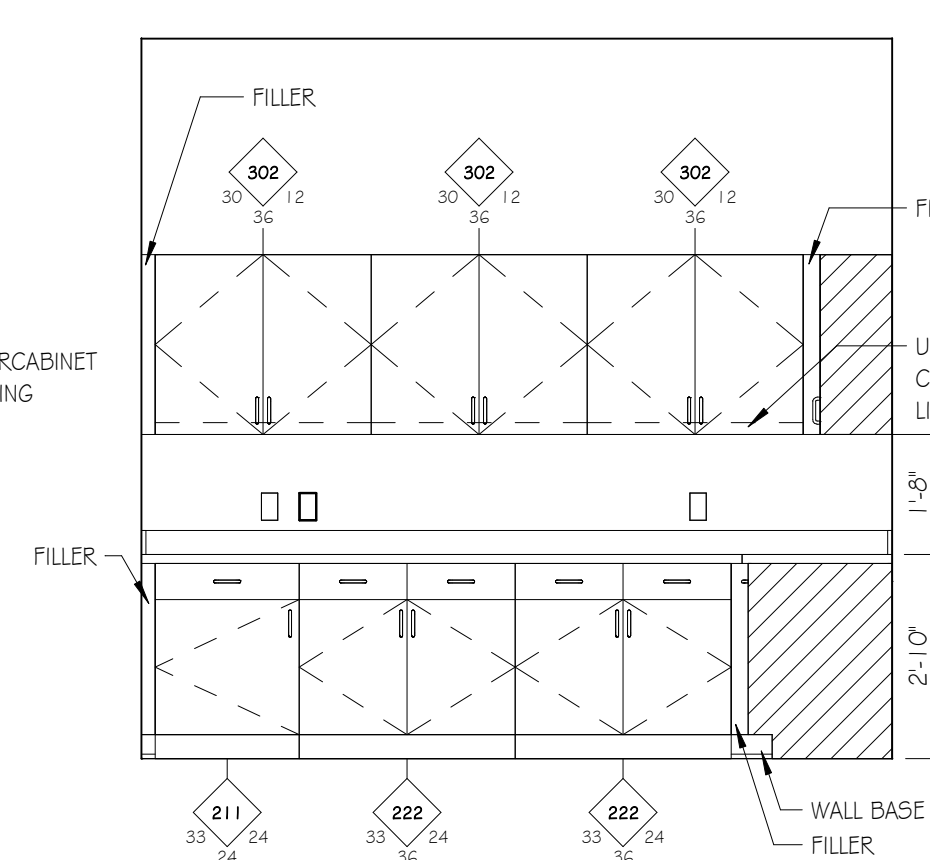
E5 BREAK 121 - 2
SCALE: 3/8"=1'-0"



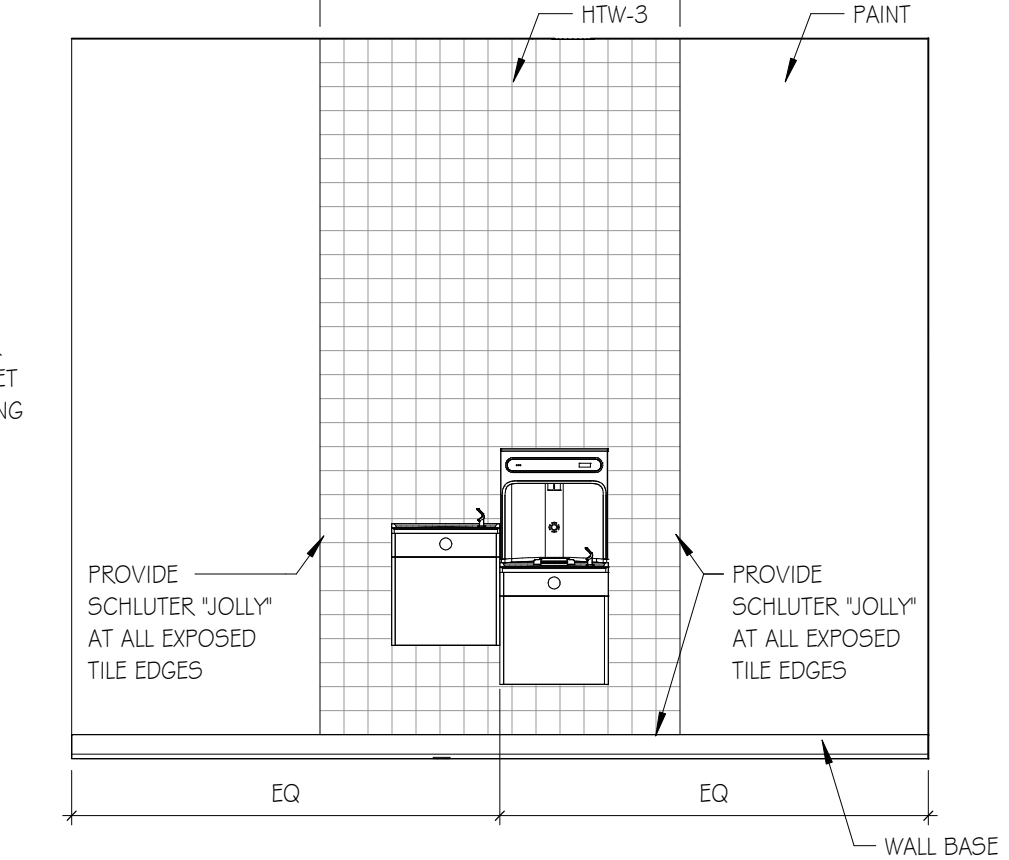
E6 LAUNDRY 122
SCALE: 3/8"=1'-0"



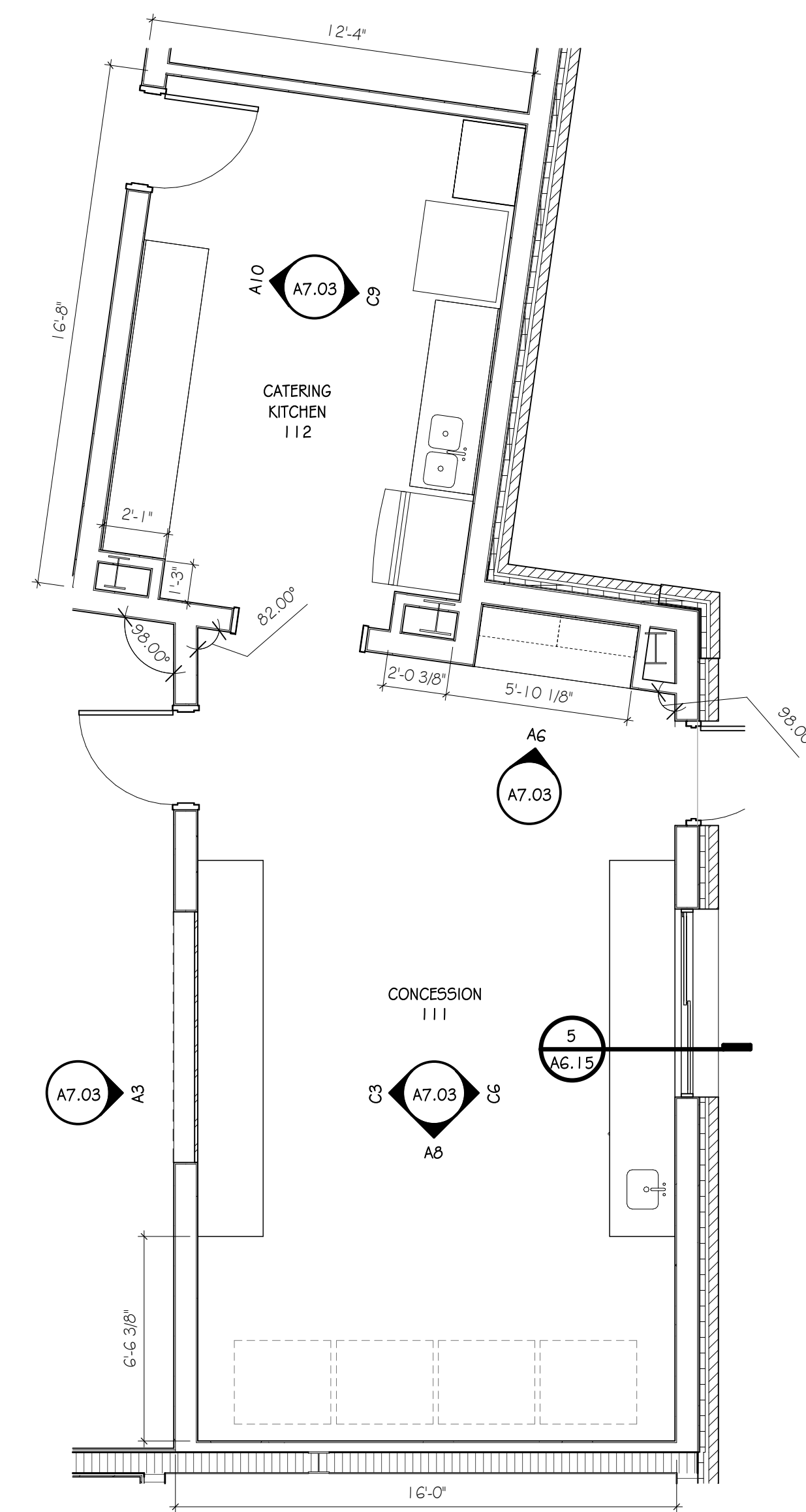
E8 OFFICE 136 - 2
SCALE: 3/8"=1'-0"



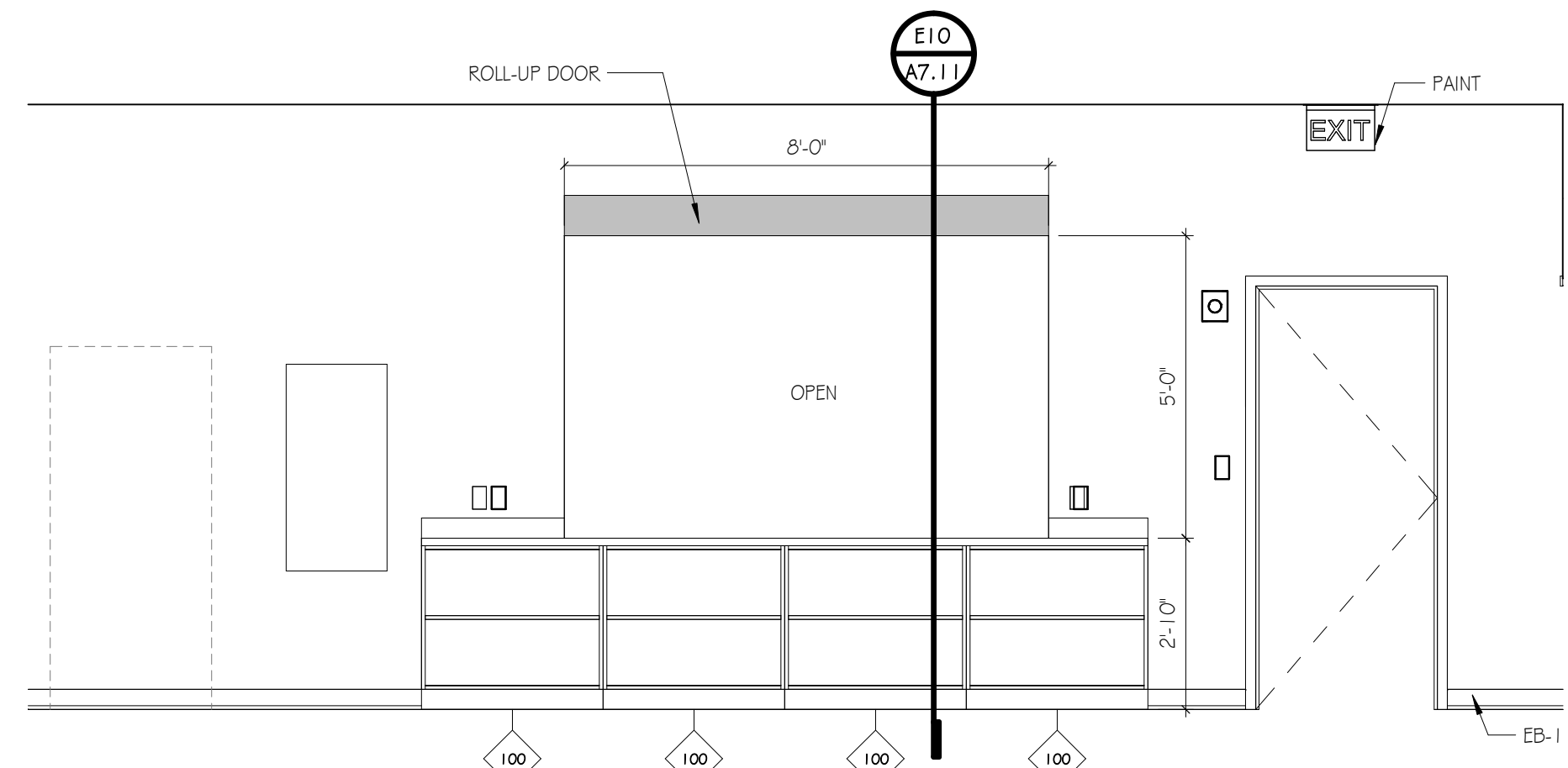
E9 OFFICE 136 - 3
SCALE: 3/8"=1'-0"



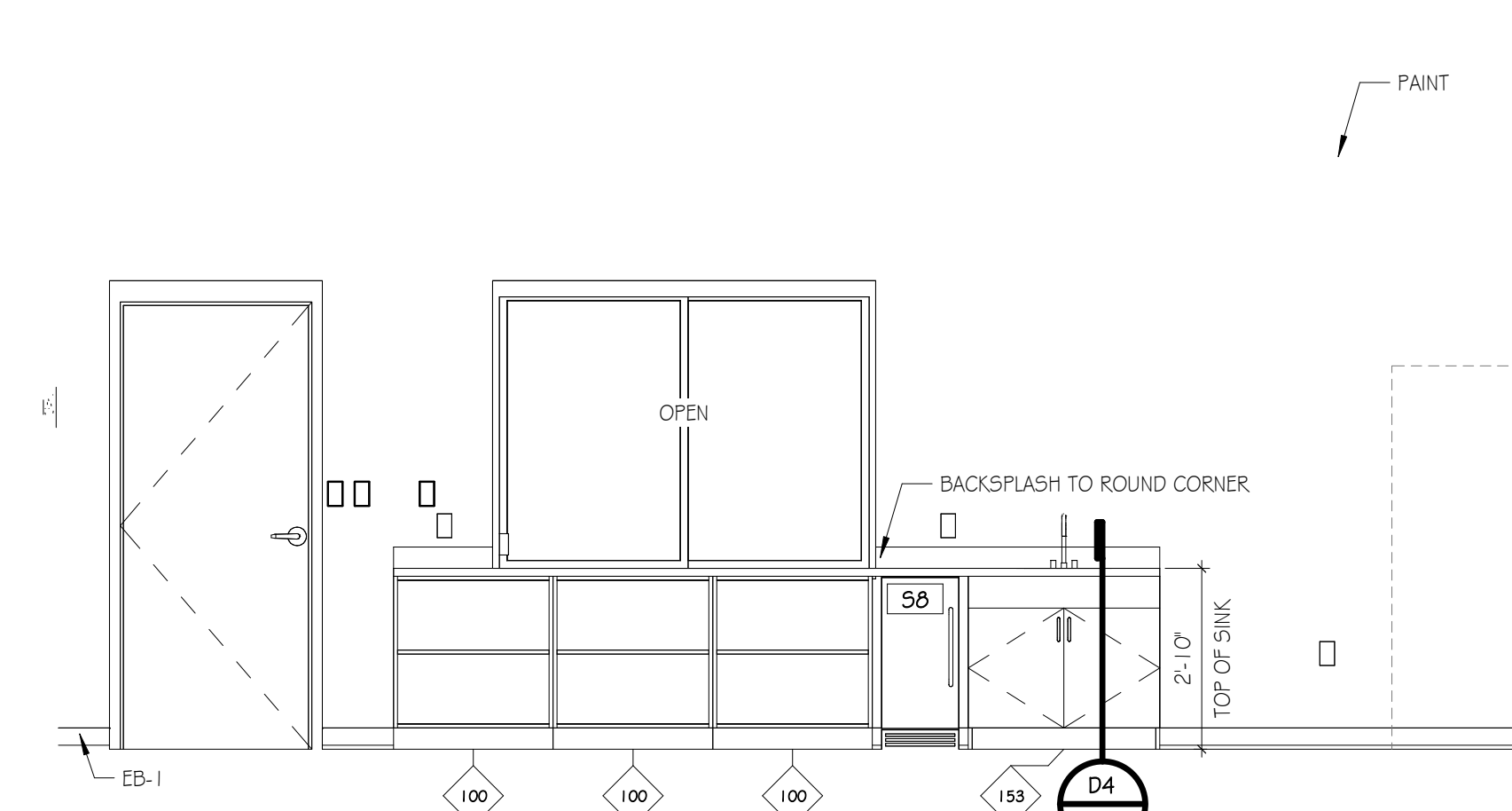
E11 WATERCOOLER 110
SCALE: 3/8"=1'-0"



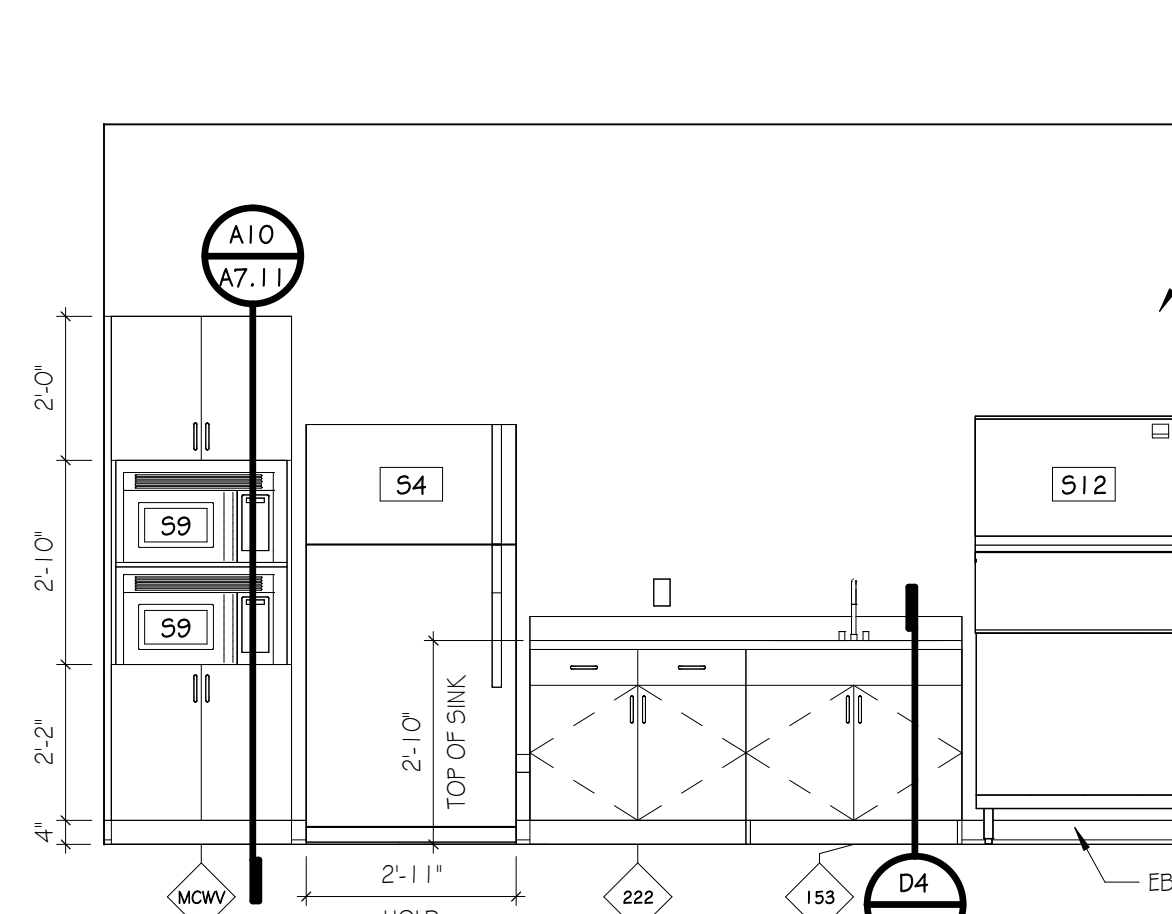
A1 CONCESSION 111 & CATERING 112
SCALE: 1/4"=1'-0"



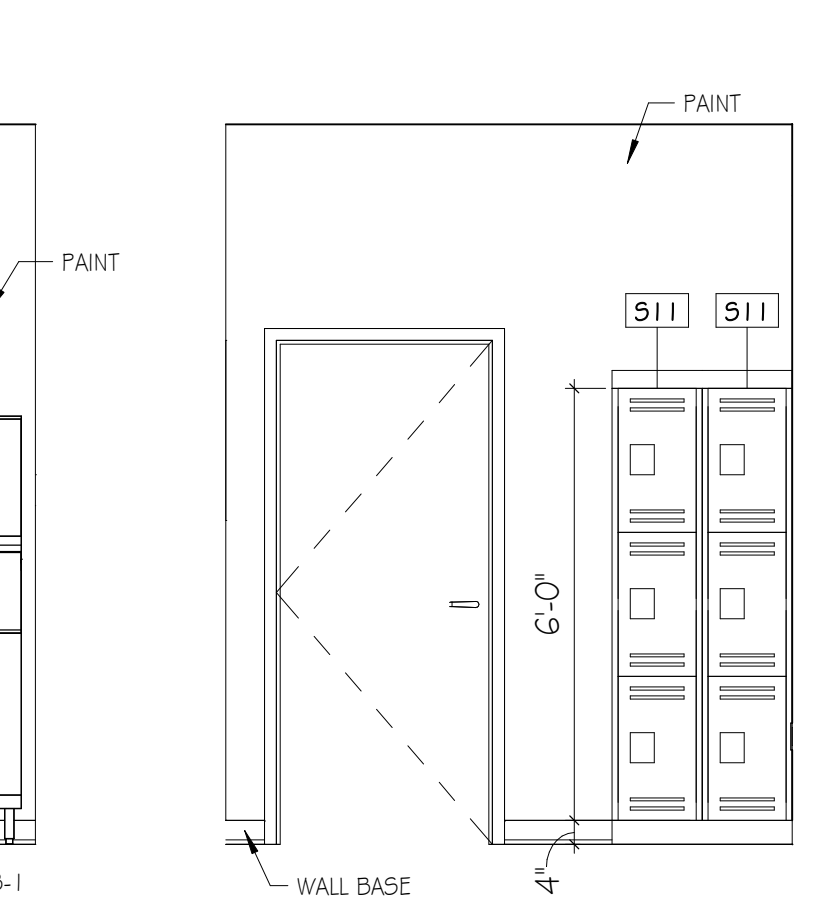
C3 CONCESSION 111 - INTERIOR SIDE
SCALE: 3/8"=1'-0"



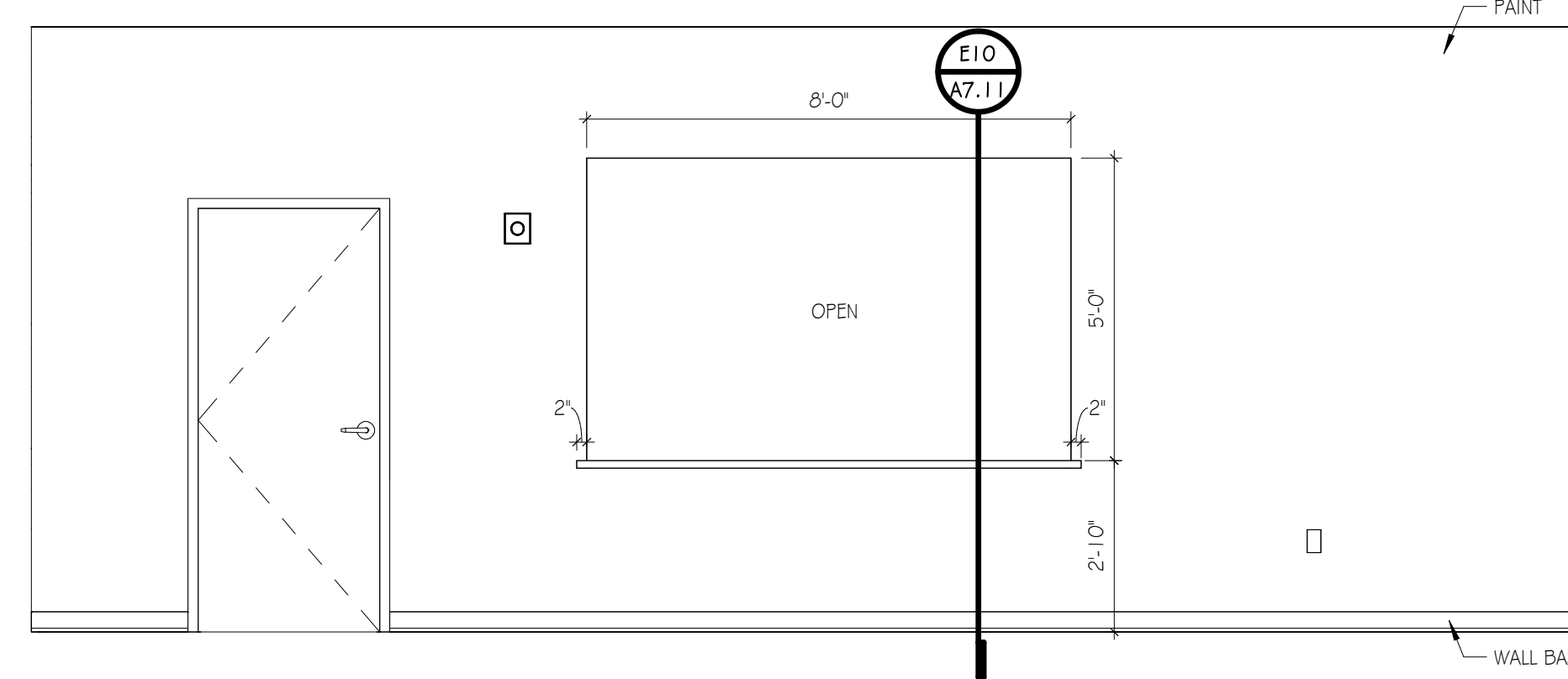
C6 CONCESSION 111 - POOL SIDE
SCALE: 3/8"=1'-0"



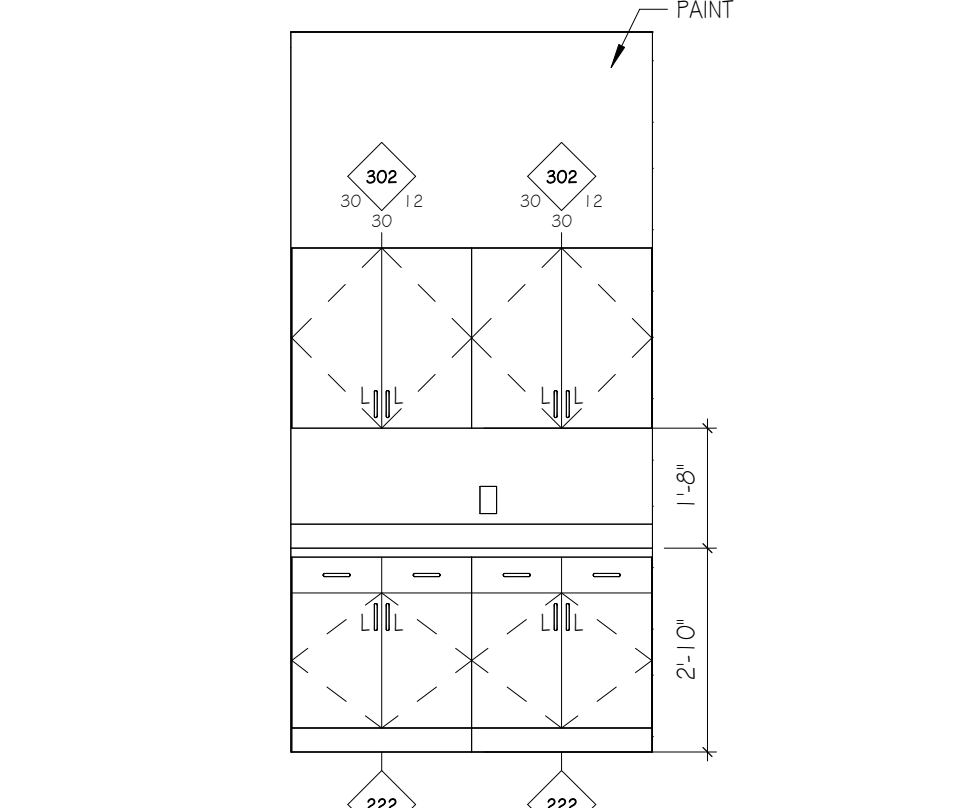
C9 CATERING KITCHEN 112 - 1
SCALE: 3/8"=1'-0"



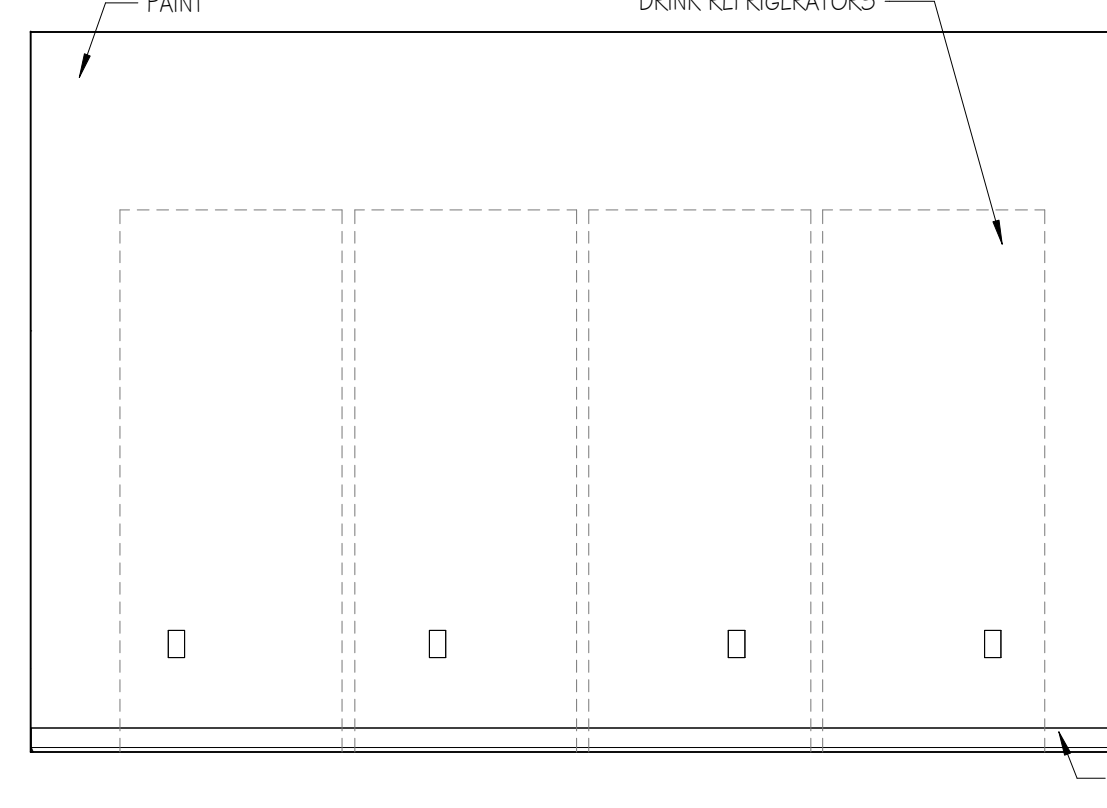
C11 OFFICE LOCKERS 102
SCALE: 3/8"=1'-0"



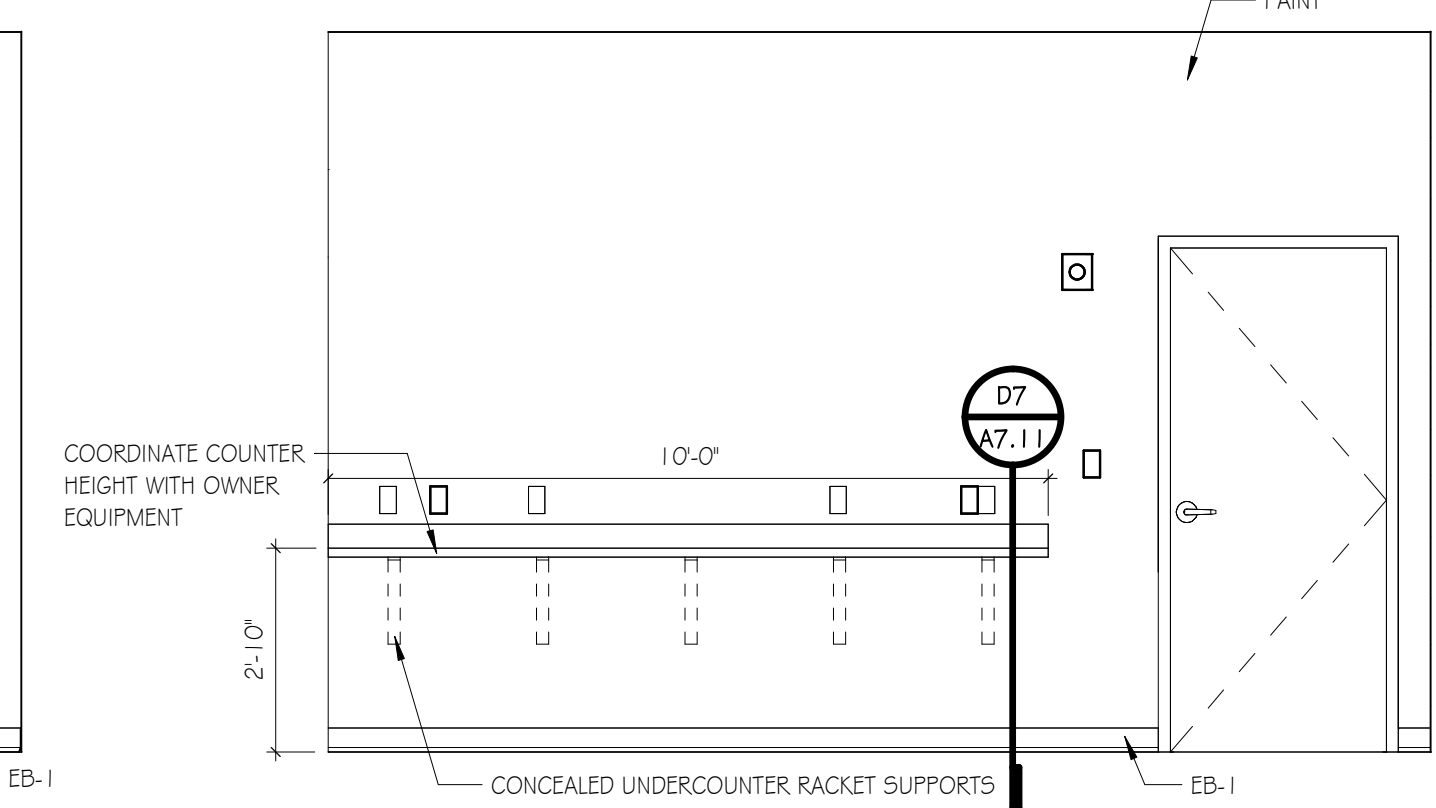
A3 CONCESSION 111 - WINDOW
SCALE: 3/8"=1'-0"



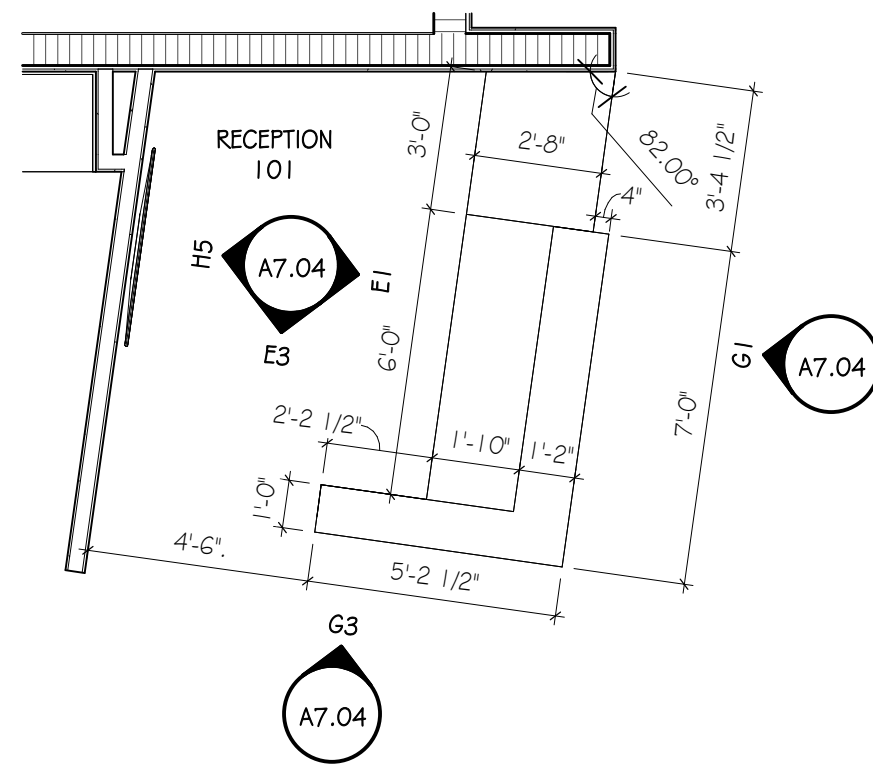
A6 CONCESSION 111 - 4
SCALE: 3/8"=1'-0"



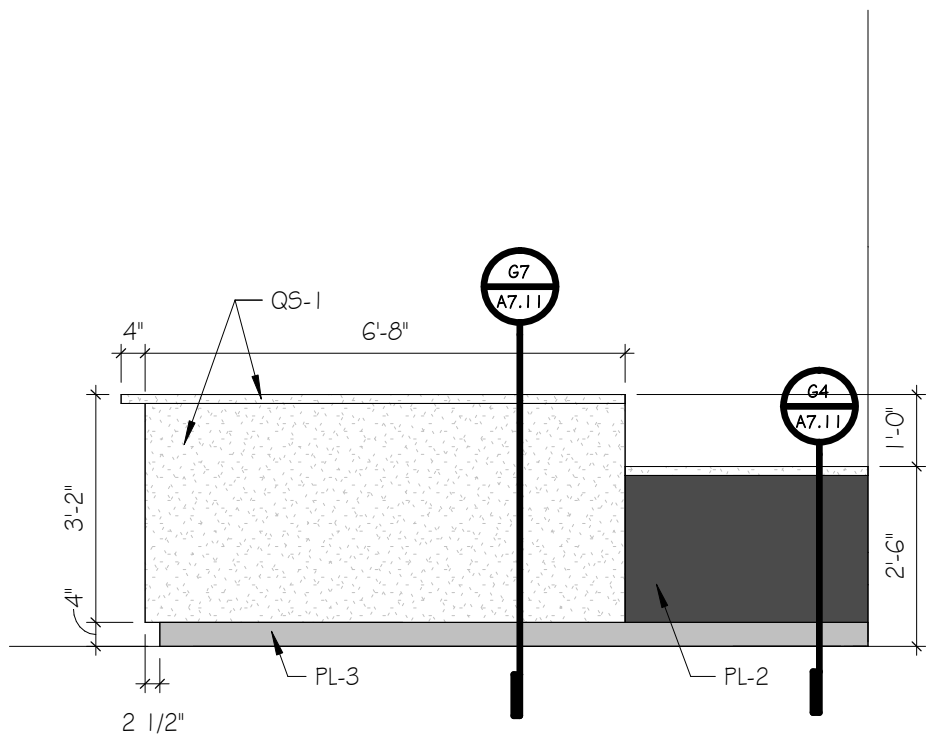
A8 CONCESSION 111 - 3
SCALE: 3/8"=1'-0"



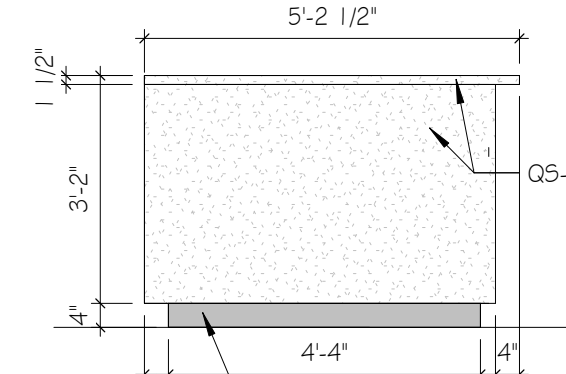
A10 CATERING KITCHEN 112 - 2
SCALE: 3/8"=1'-0"



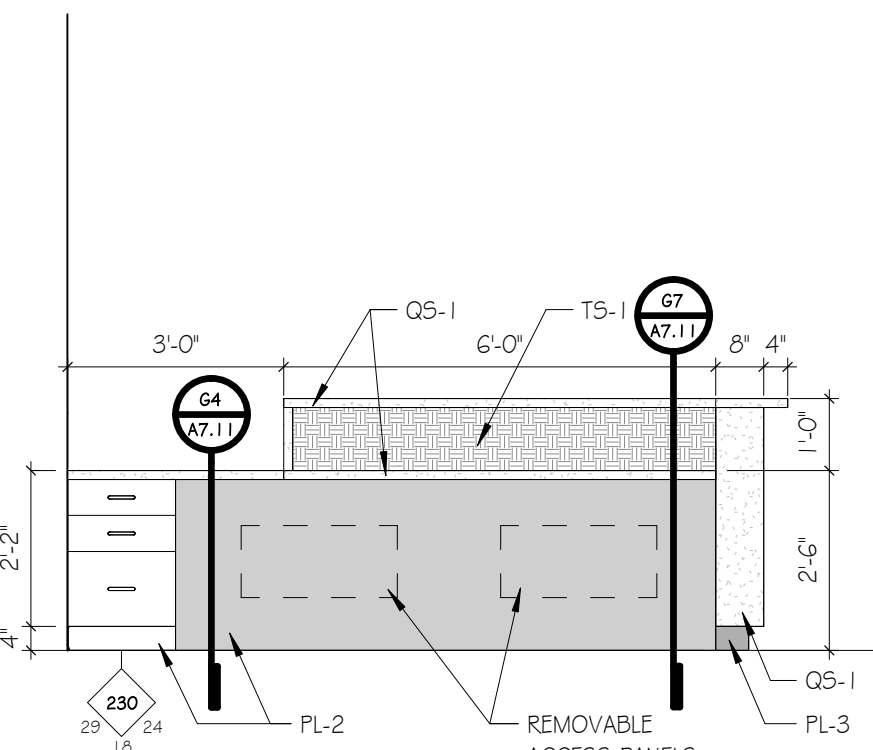
J1 RECEPTION DESK 101
SCALE: 1/4" = 1'-0"



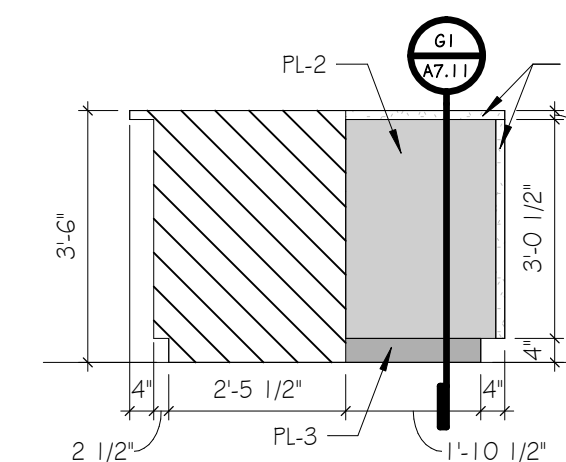
G1 RECEPTION DESK - 1
SCALE: 3/8" = 1'-0"



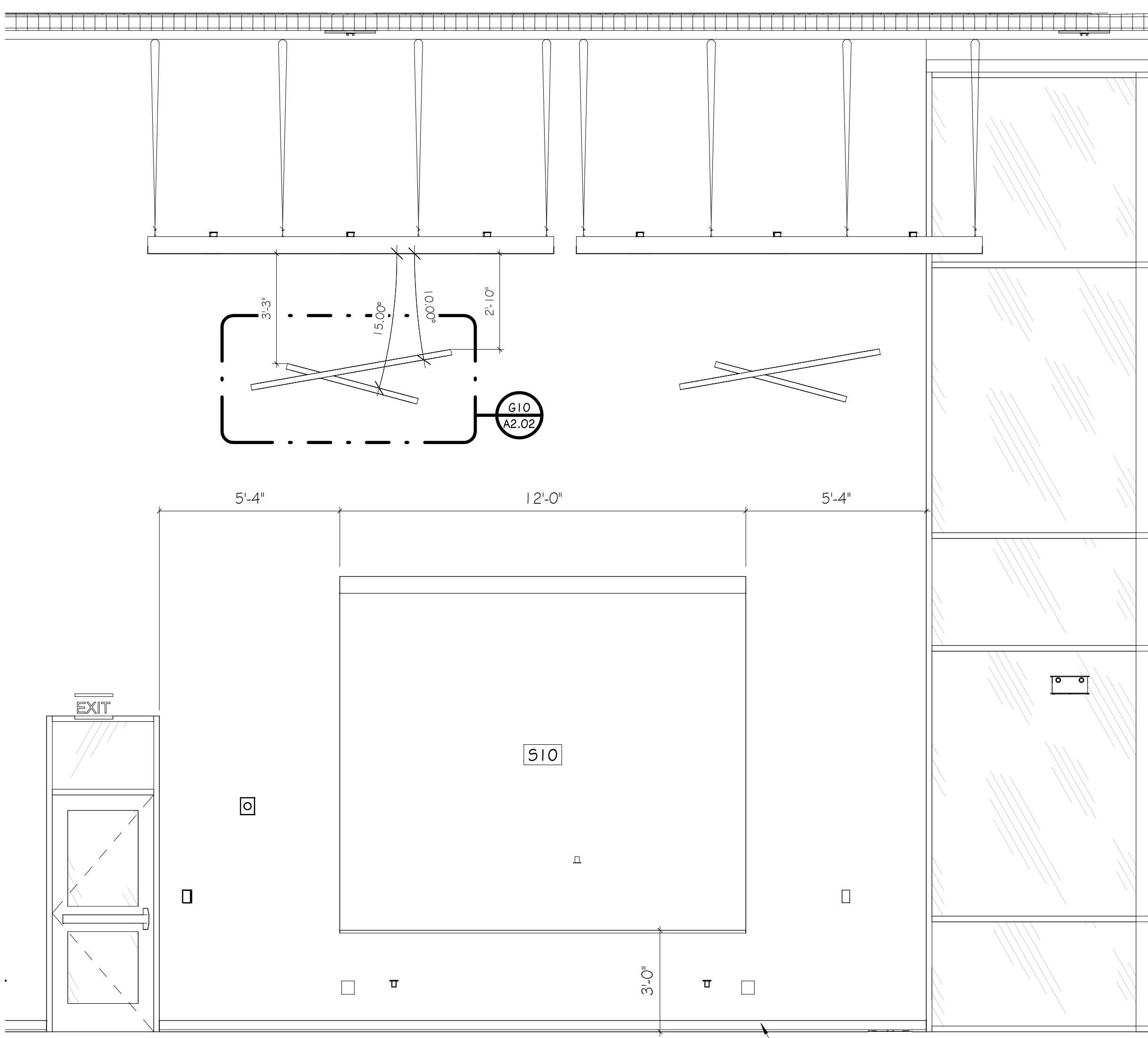
G3 RECEPTION DESK - 2
SCALE: 3/8" = 1'-0"



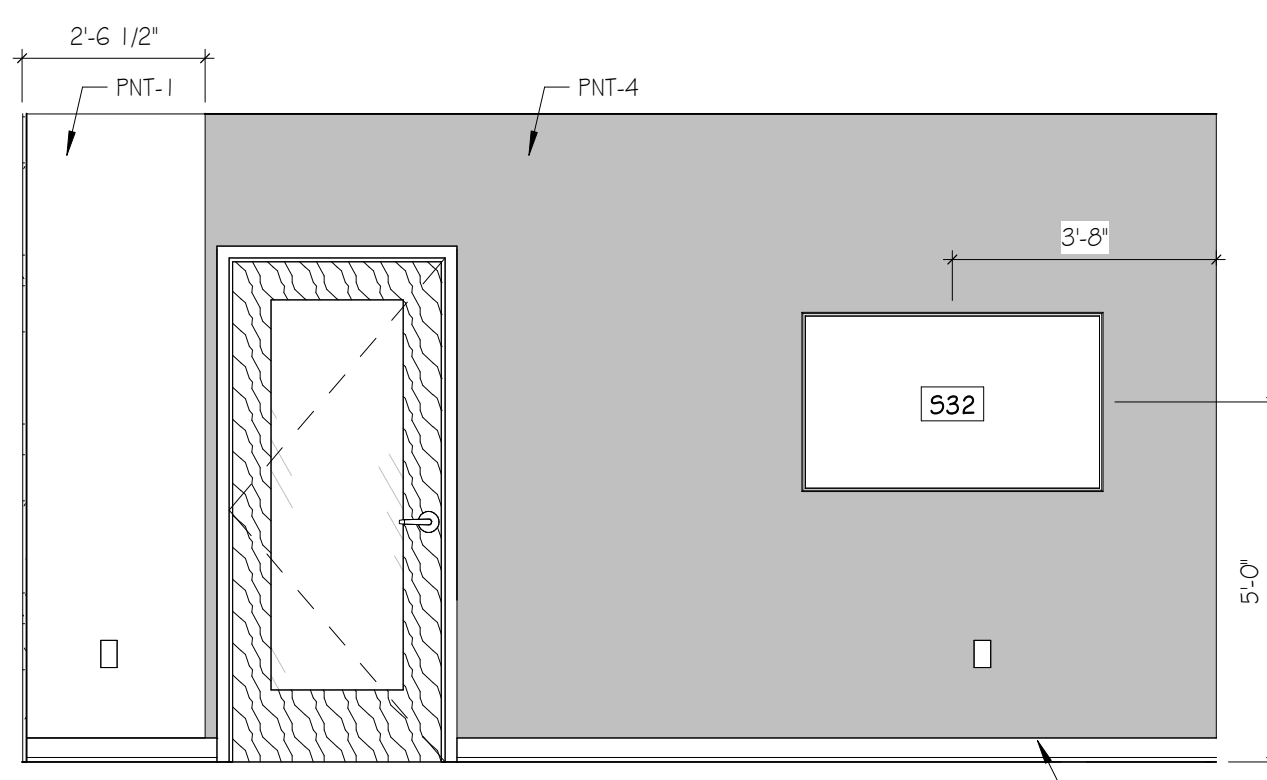
E1 RECEPTION DESK - 3
SCALE: 3/8" = 1'-0"



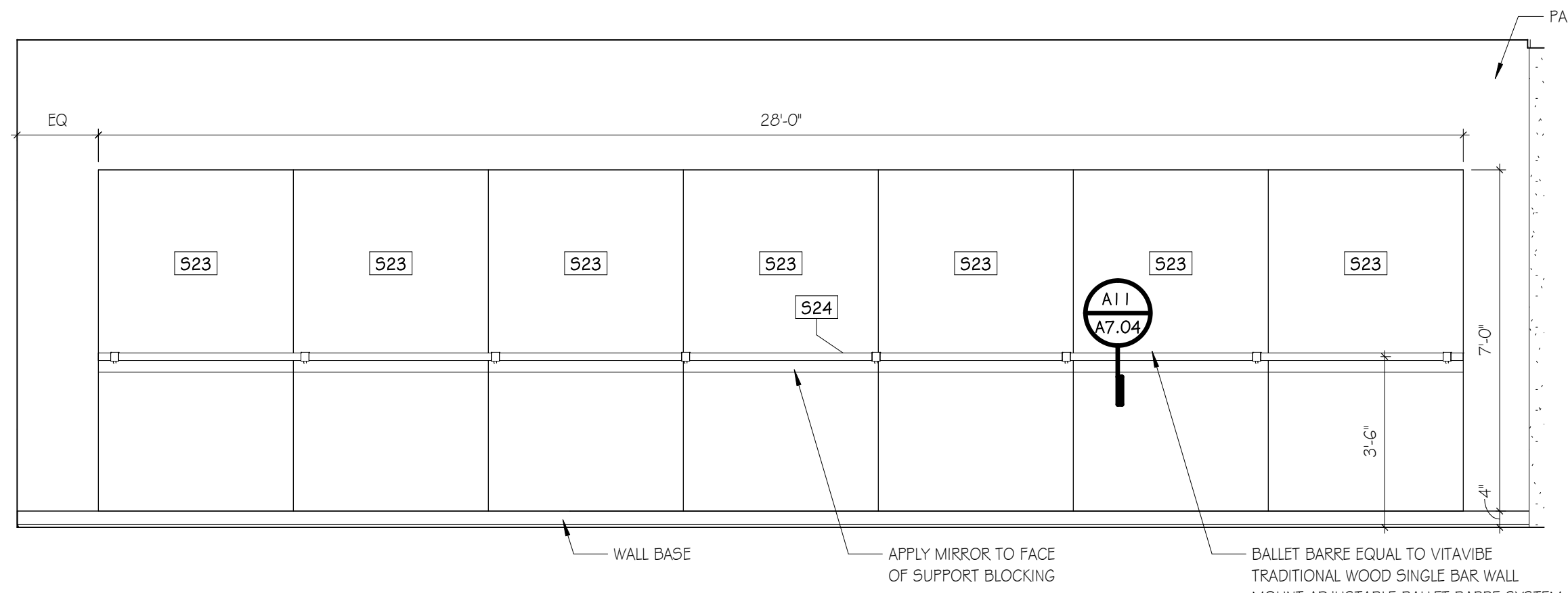
E3 RECEPTION DESK - 4
SCALE: 3/8" = 1'-0"



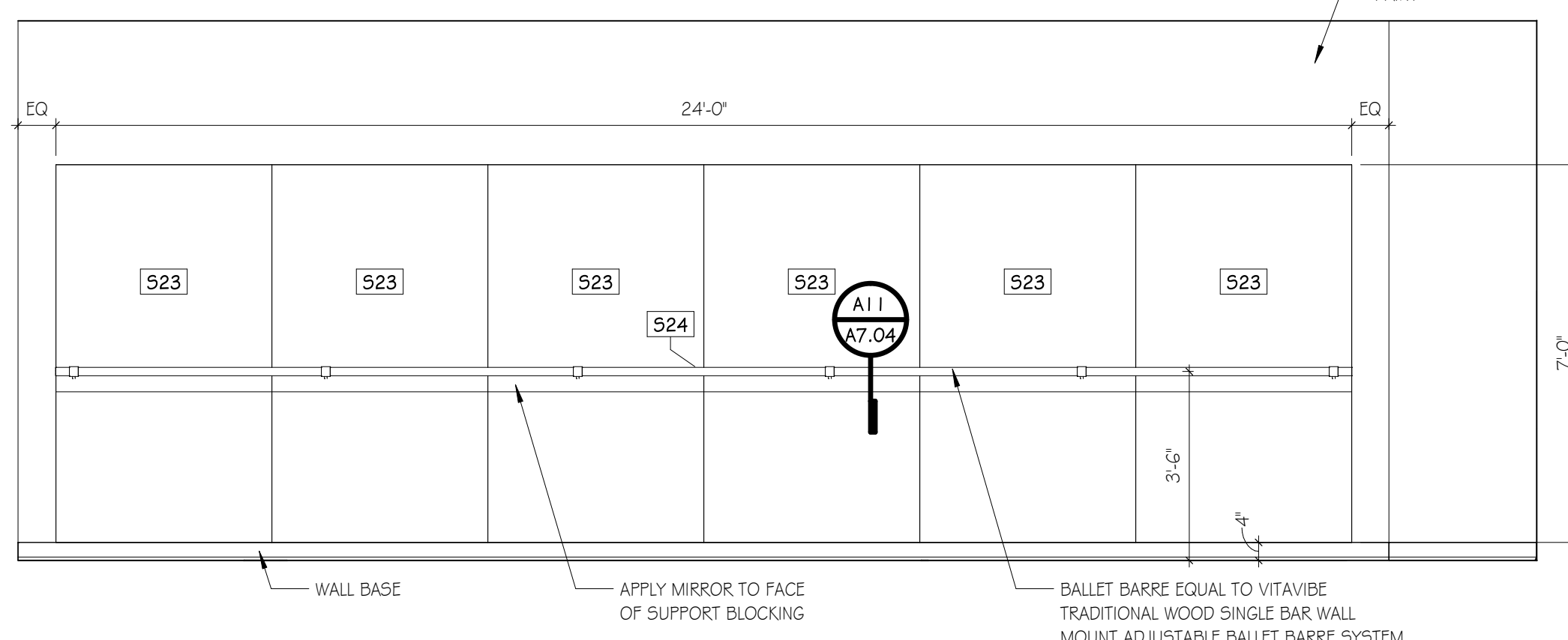
A1 MULTI-PURPOSE 115
SCALE: 3/8" = 1'-0"



H5 RECEPTION DISPLAY WALL
SCALE: 3/8" = 1'-0"

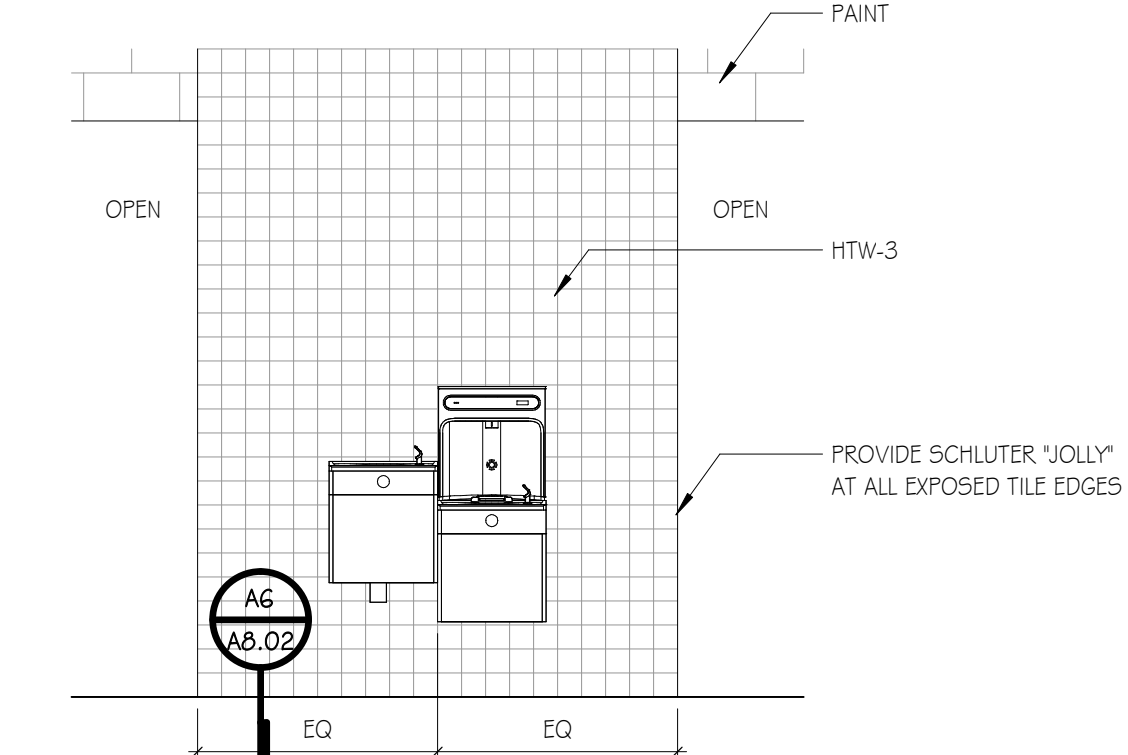


F5 FITNESS ROOM - 1
SCALE: 3/8" = 1'-0"

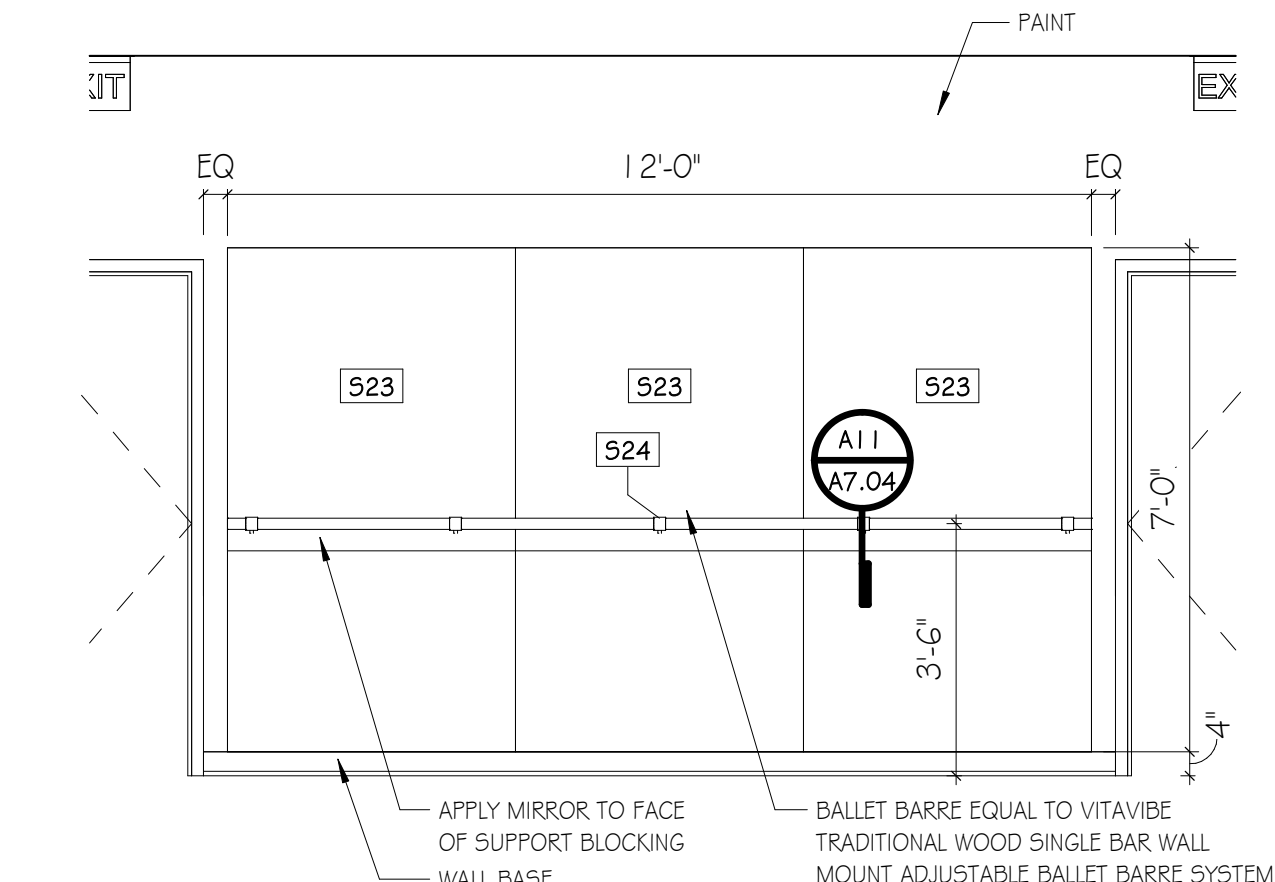


D5 FITNESS ROOM - 3
SCALE: 3/8" = 1'-0"

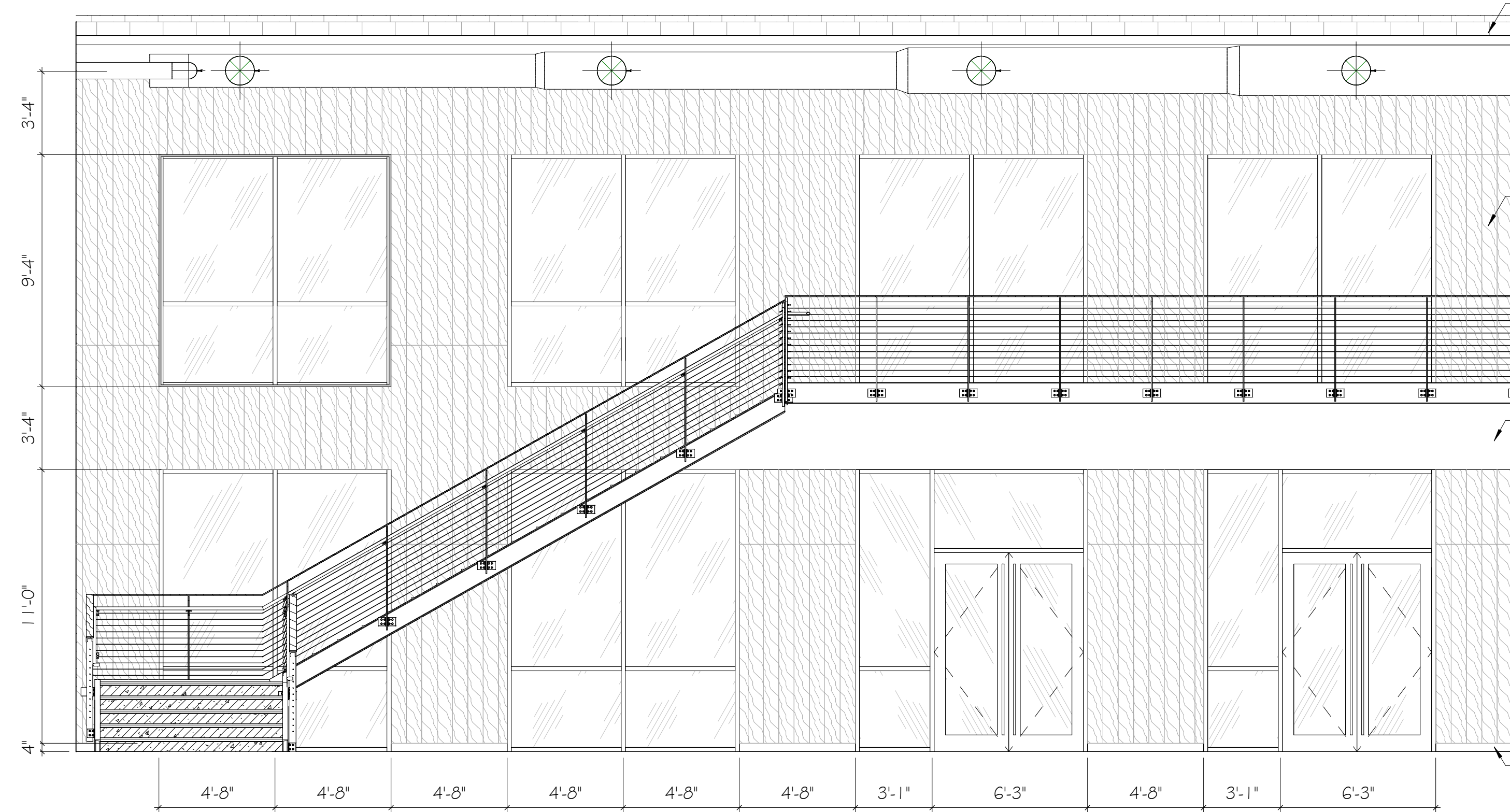
SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	COMMENTS
S1	RESIDENTIAL WASHER	OFOI
S2	RESIDENTIAL DRYER	OFOI
S3	KEURIG COFFEE MAKER	OFOI
S4	SIDE BY SIDE REFRIGERATOR	OFOI
S5	2 TIER METAL LOCKER - 15' W x 18' D x 66" H	CFCI
S7	3 TIER PHENOLIC LOCKER - 15' W x 18' D x 56' 1/2" H	CFCI
S8	SUMMIT BIM44GADA UNDERCOUNTER ICE MACHINE	CFCI
S9	MICROWAVE - UNDERCOUNTER CABINET INSTALL	OFOI
S10	WALL MOUNTED PROJECTION SCREEN - MANUAL	CFCI
S11	3 TIER PHENOLIC LOCKER - 15' W x 18' D x 76" H	CFCI
S12	ICE MACHINE - LARGE	OFOI
S13	STAINLESS STEEL SHELF - ULINE H7500 - 60" W x 12" D x 10" H	CFCI
S21	SQUARE ACOUSTICAL PANEL	CFCI
S23	MIRROR - 4' W x 7' H	CFCI
S24	MOUNTED BALLET BAR	CFCI
S25	SCOREBOARD	CFCI
S32	TV - 55"	OFOI
S33	TV - 70"	CFCI



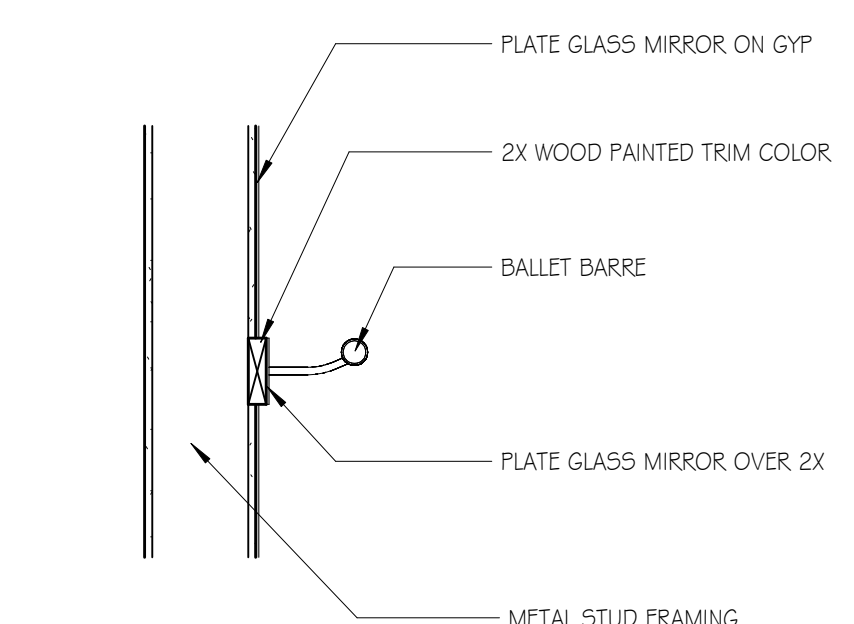
F10 WATERCOOLER - 200
SCALE: 3/8" = 1'-0"



D10 FITNESS ROOM - 2
SCALE: 3/8" = 1'-0"



A5 LOBBY WOOD PANELING
SCALE: 1/4" = 1'-0"



A11 BALLET BAR MIRROR
SCALE: 3/4" = 1'-0"

GMC

Goodwyn Mills Cawood, LLC
2400 5th Avenue South, Suite 200
Birmingham, AL 35233
T 205.879.4462
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ISSUE	DATE
IFB SET	05/28/2024

DRAWN BY: Author
CHECKED BY: Checker

GMC # ABHM230021

STATE OF ALABAMA
PATRICK SHATKIN
8969
REGISTERED ARCHITECT

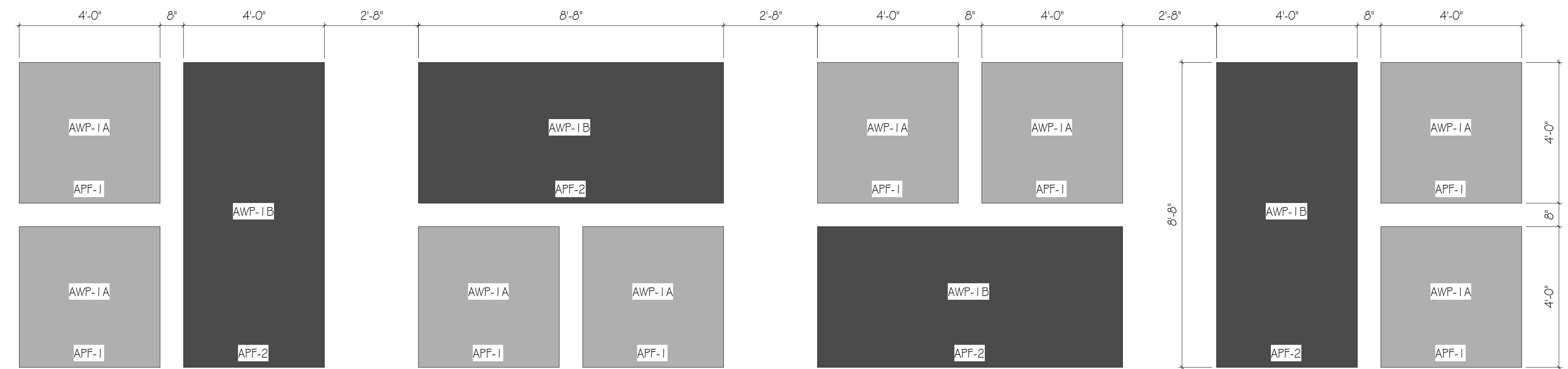
A7.04

INTERIOR ELEVATIONS

RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA

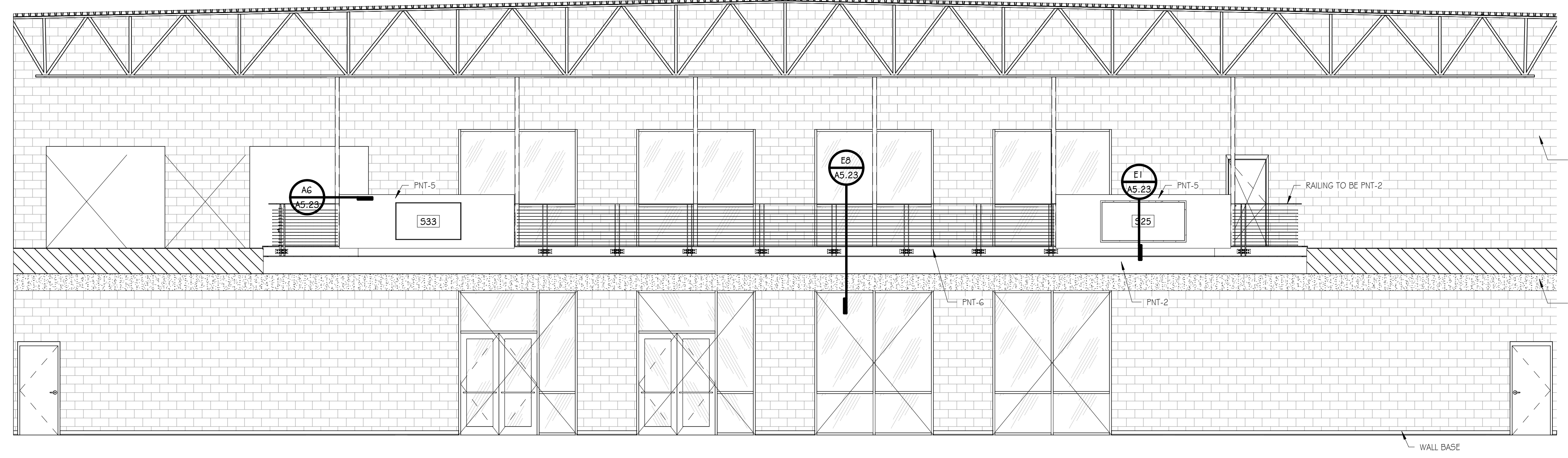
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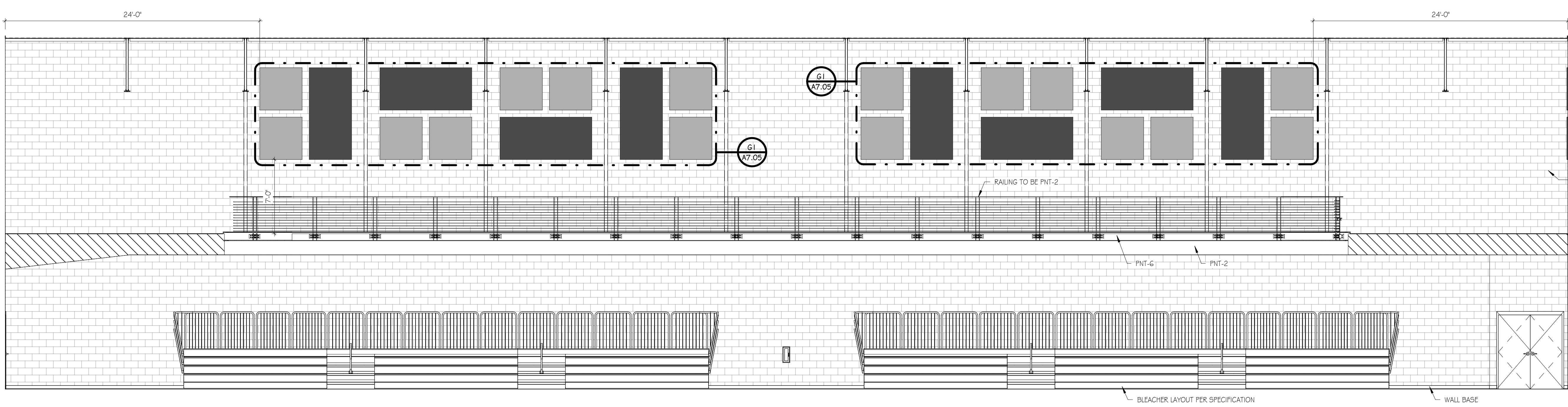


G1 GYM ACOUSTIC PANEL REPEAT
SCALE: 1/2" = 1'-0"

SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	COMMENTS
S1	RESIDENTIAL WASHER	OFOI
S2	RESIDENTIAL DRYER	OFOI
S3	KEURIG COFFEE MAKER	OFOI
S4	SIDE BY SIDE REFRIGERATOR	OFOI
S6	2 TIER METAL LOCKER - 15' W x 18' D x 66" H	CFCI
S7	3 TIER PHENOLIC LOCKER - 15' W x 18' D x 56' 1/2" H	CFCI
S8	SUMMIT BIM44GADA UNDERCOUNTER ICE MACHINE	CFCI
S9	MICROWAVE - UNDERCOUNTER CABINET INSTALL	OFOI
S10	WALL MOUNTED PROJECTION SCREEN - MANUAL	CFCI
S11	3 TIER PHENOLIC LOCKER - 15' W x 18' D x 76" H	CFCI
S12	ICE MACHINE - LARGE	OFOI
S13	STAINLESS STEEL SHELF - ULINE H7500 - 60" W x 12" D x 10" H	CFCI
S21	SQUARE ACOUSTICAL PANEL	CFCI
S23	MIRROR - 4' W x 7' H	CFCI
S24	MOUNTED BALLET BAR	CFCI
S25	SCOREBOARD	CFCI
S32	TV - 55"	OFOI
S33	TV - 70"	CFCI



D1 GYM ELEVATION - EAST
SCALE: 3/16" = 1'-0"



A1 GYM ELEVATION - SOUTH
SCALE: 3/16" = 1'-0"

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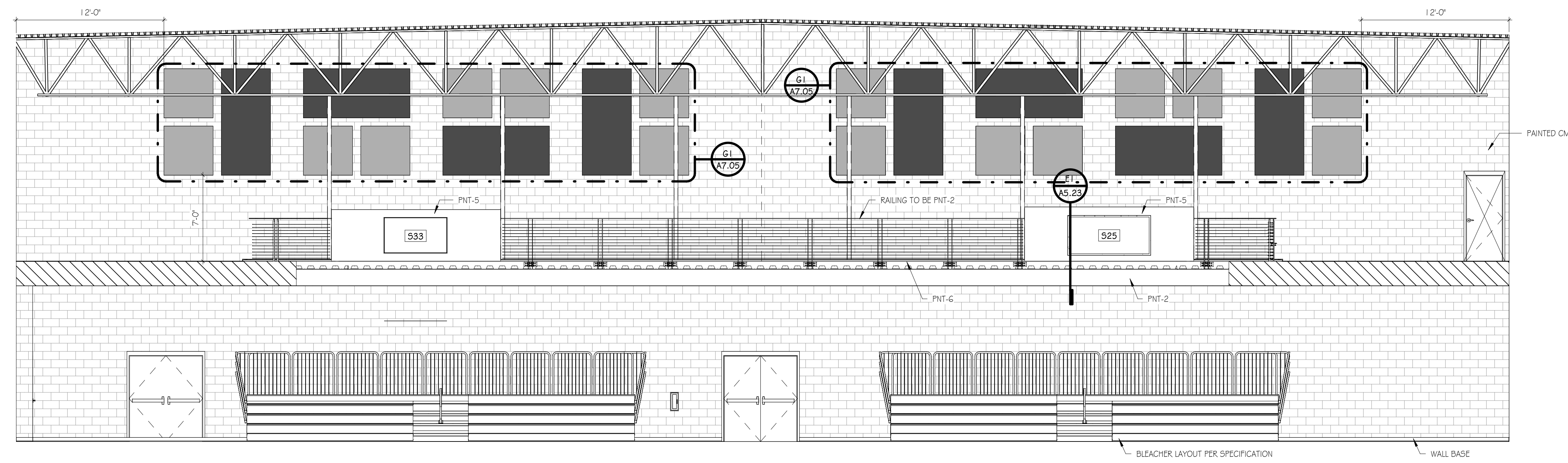
STATE OF ALABAMA
PATRICK SHAWVER
8969
REGISTERED ARCHITECT

A7.05

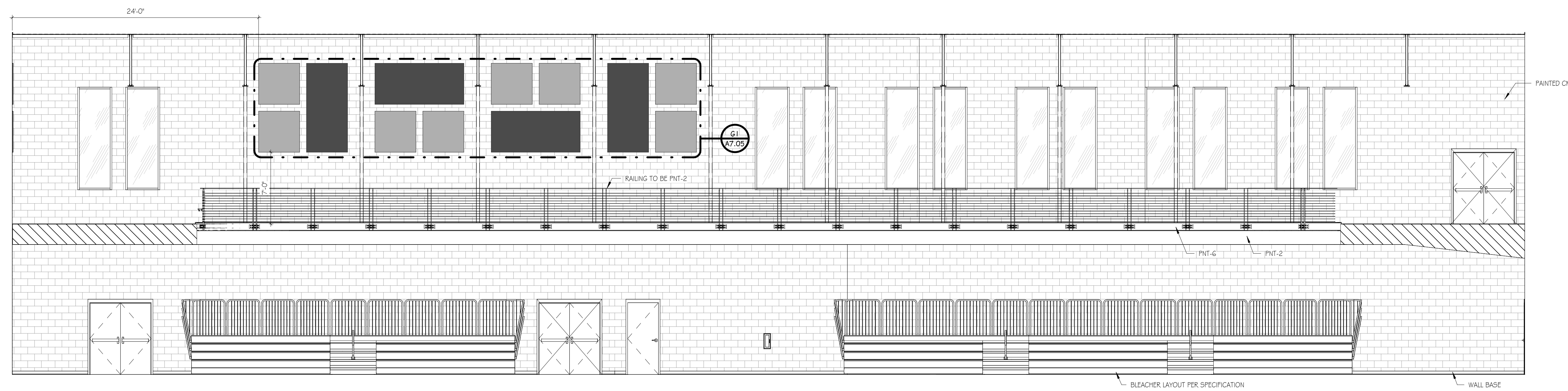
INTERIORS - GYM

RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA

SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	COMMENTS
S1	RESIDENTIAL WASHER	OFOI
S2	RESIDENTIAL DRYER	OFOI
S3	KEURIG COFFEE MAKER	OFOI
S4	SIDE BY SIDE REFRIGERATOR	OFOI
S6	2 TIER METAL LOCKER - 15' W x 18' D x 66" H	CFCI
S7	3 TIER PHENOLIC LOCKER - 15' W x 18' D x 56 1/2" H	CFCI
S8	SUMMIT BIM44GADA UNDERCOUNTER ICE MACHINE	CFCI
S9	MICROWAVE - UNDERCOUNTER CABINET INSTALL	OFOI
S10	WALL MOUNTED PROJECTION SCREEN - MANUAL	CFCI
S11	3 TIER PHENOLIC LOCKER - 15' W x 18' D x 76" H	CFCI
S12	ICE MACHINE - LARGE	OFOI
S13	STAINLESS STEEL SHELF - ULINE H7500 - 60" W x 12' D x 10" H	CFCI
S21	SQUARE ACOUSTICAL PANEL	CFCI
S23	MIRROR - 4' W x 7' H	CFCI
S24	MOUNTED BALLET BAR	CFCI
S25	SCOREBOARD	CFCI
S32	TV - 55"	OFOI
S33	TV - 70"	CFCI



D1 GYM ELEVATION - WEST
SCALE: 3/16" = 1'-0"



A1 GYM ELEVATION - NORTH
SCALE: 3/16" = 1'-0"

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INTERIORS - GYM

RAINBOW CITY RECREATION CENTER

RAINBOW CITY, ALABAMA

A7.06

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30-May-24 11:49:19 TEMPLATE VERSION: 2023.1

30-May-24 11:49:21 TEMPLATE VERSION: 2023.1

ALIGN PAINT EDGE WITH ACOUSTIC PANELS
PNT-2 ABOVE ACOUSTIC WALL PANELS

AWP-2 COLOR LEGEND

	11 STEEL
	34 PURE GRAY

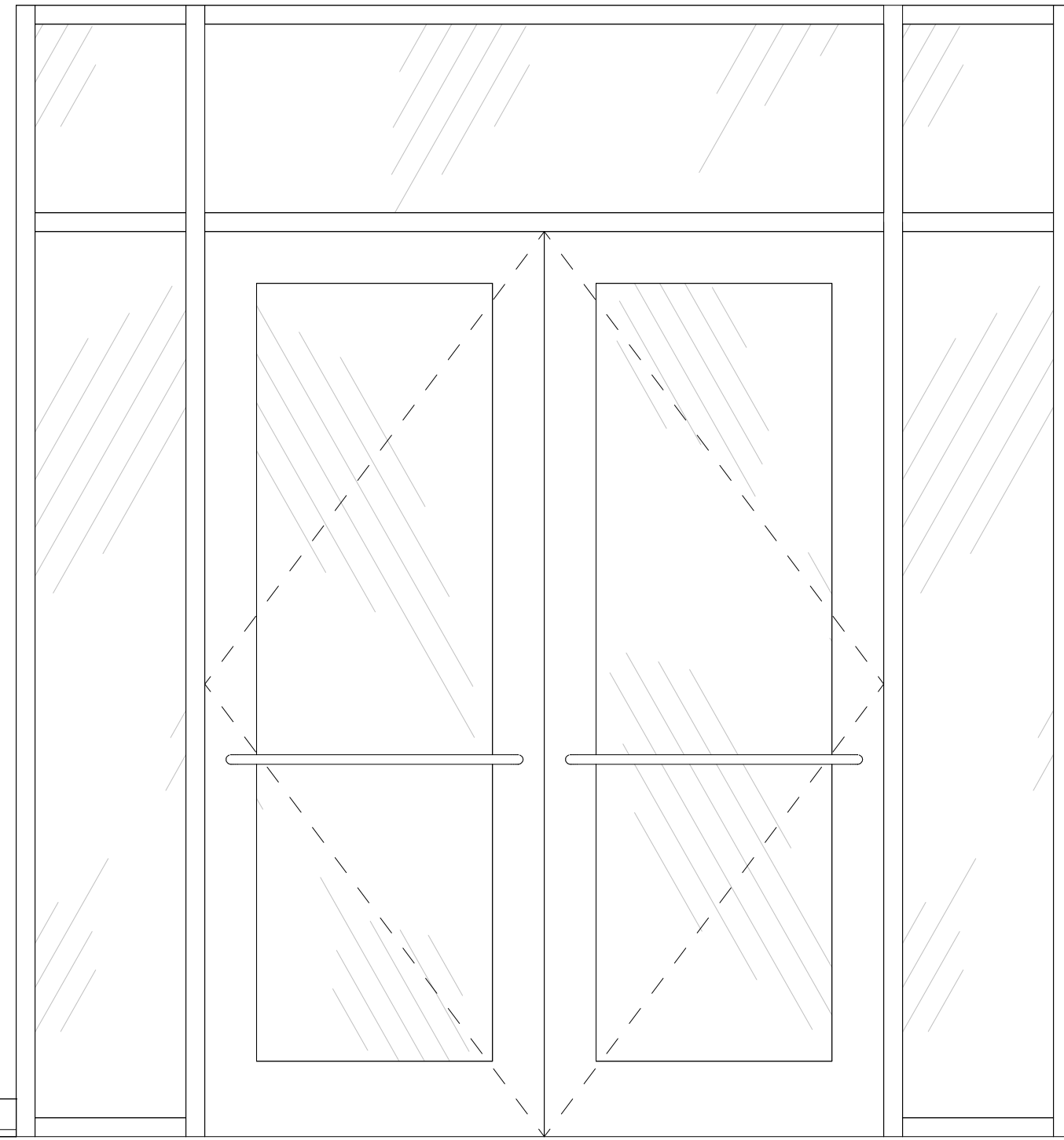
66 COLUMNS OF ACOUSTIC PANELS
31 COLUMNS OF 1A + 35 COLUMNS OF 1B

TOP ROW OF PANELS TO BE HORIZONTALLY CUT TO SIZE SHOWN ON ELEVATION
REST OF PANELS NOT SHOWING A VERTICAL DIMENSION WILL BE A STANDARD SIZE
SHOWN IN THE FINISH LEGEND

AWP-2
REFER TO FINISH LEGEND FOR LENGTH OF EACH PANEL

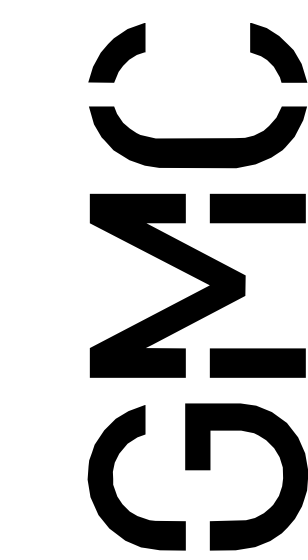
PAINT

WALL BASE



A1 MULTI-PURPOSE 115 - ACOUSTIC WALL

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

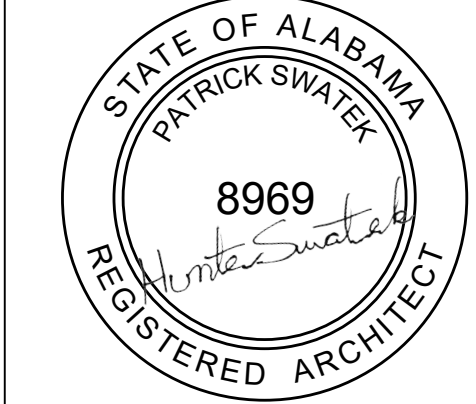


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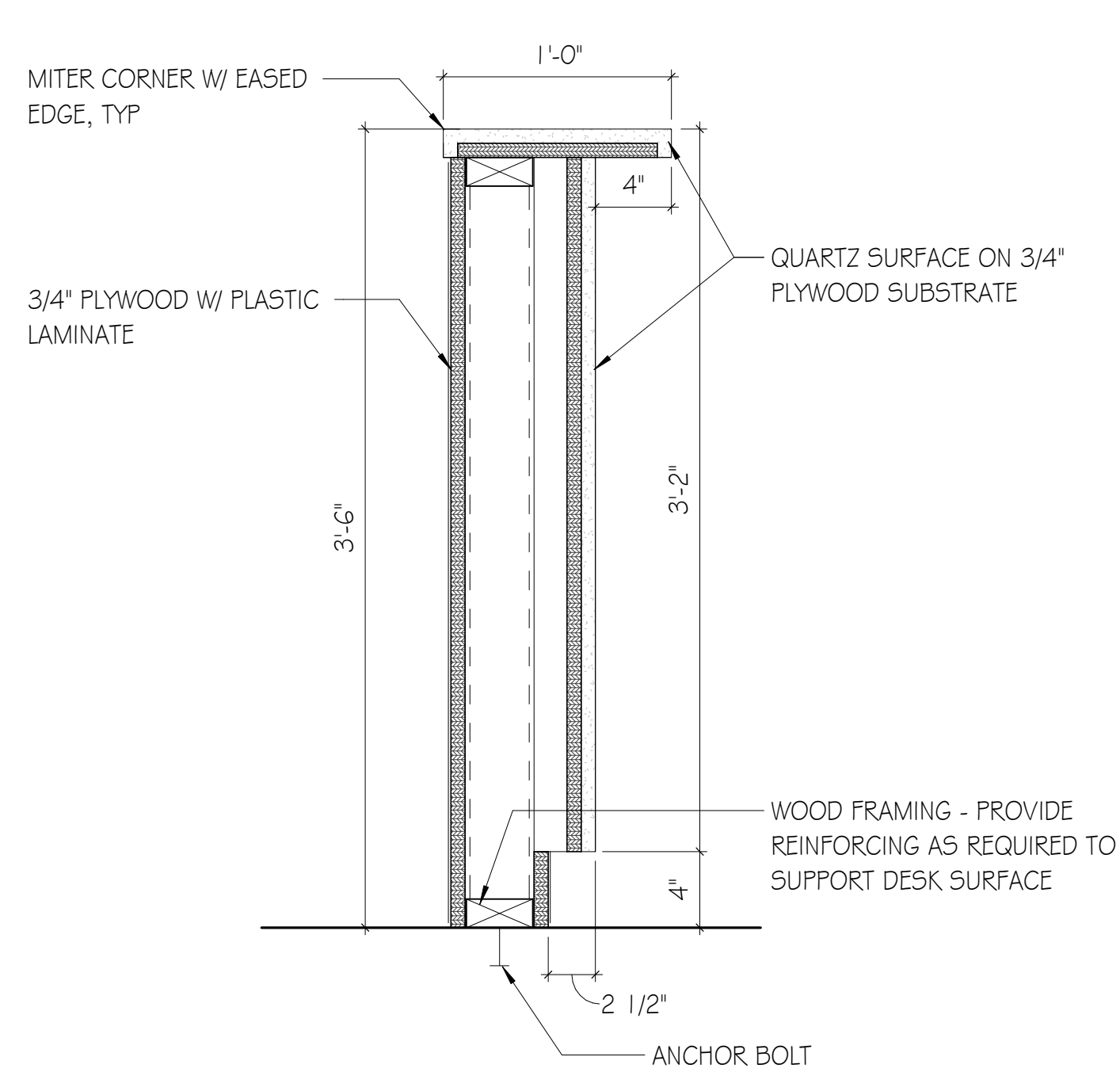


INTERIORS - MULTI PURPOSE

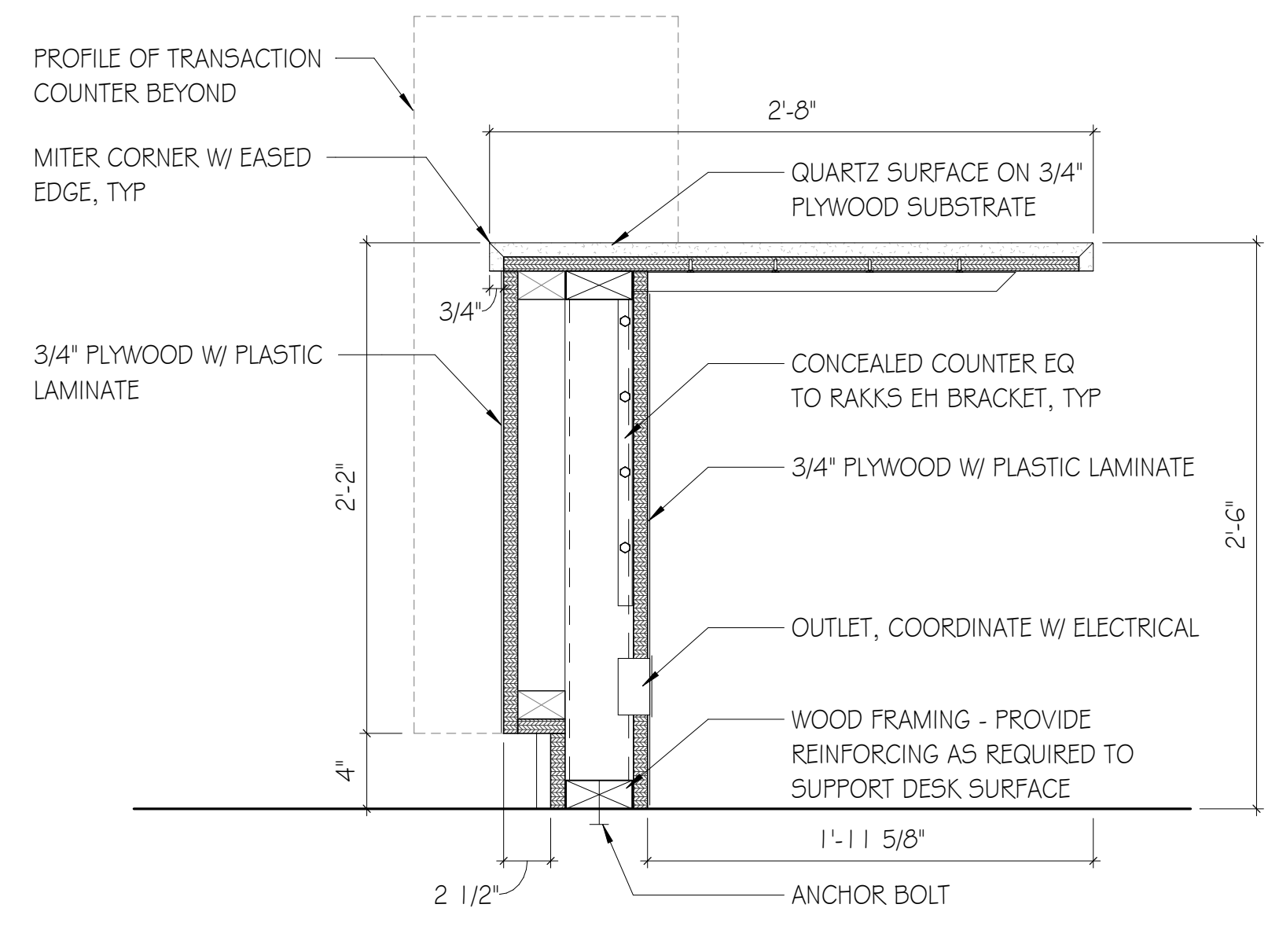
A7.07

GMC # ABHM230021

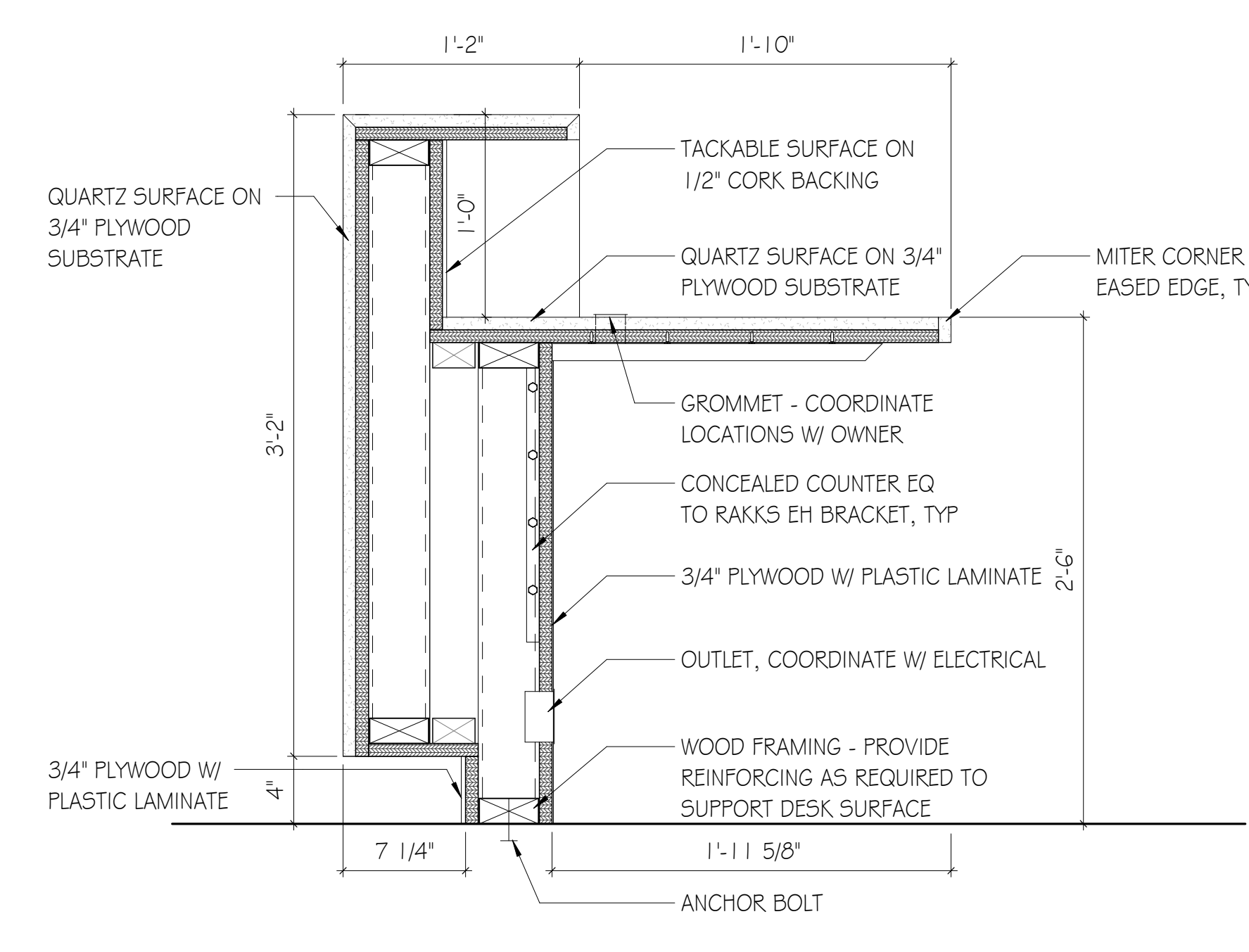
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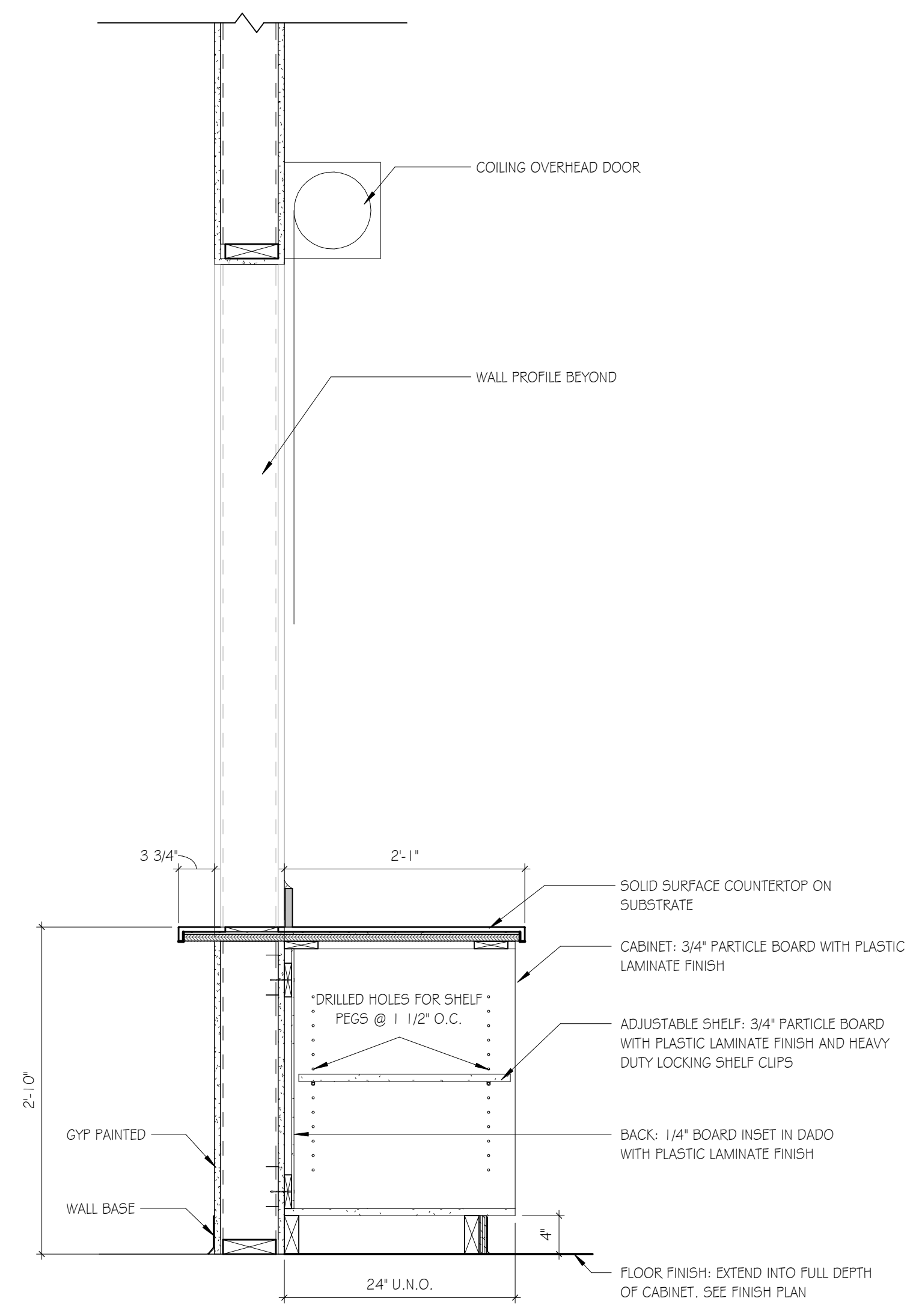
G1 RECEPTION DESK RETURN WALL
SCALE: 1/2" = 1'-0"



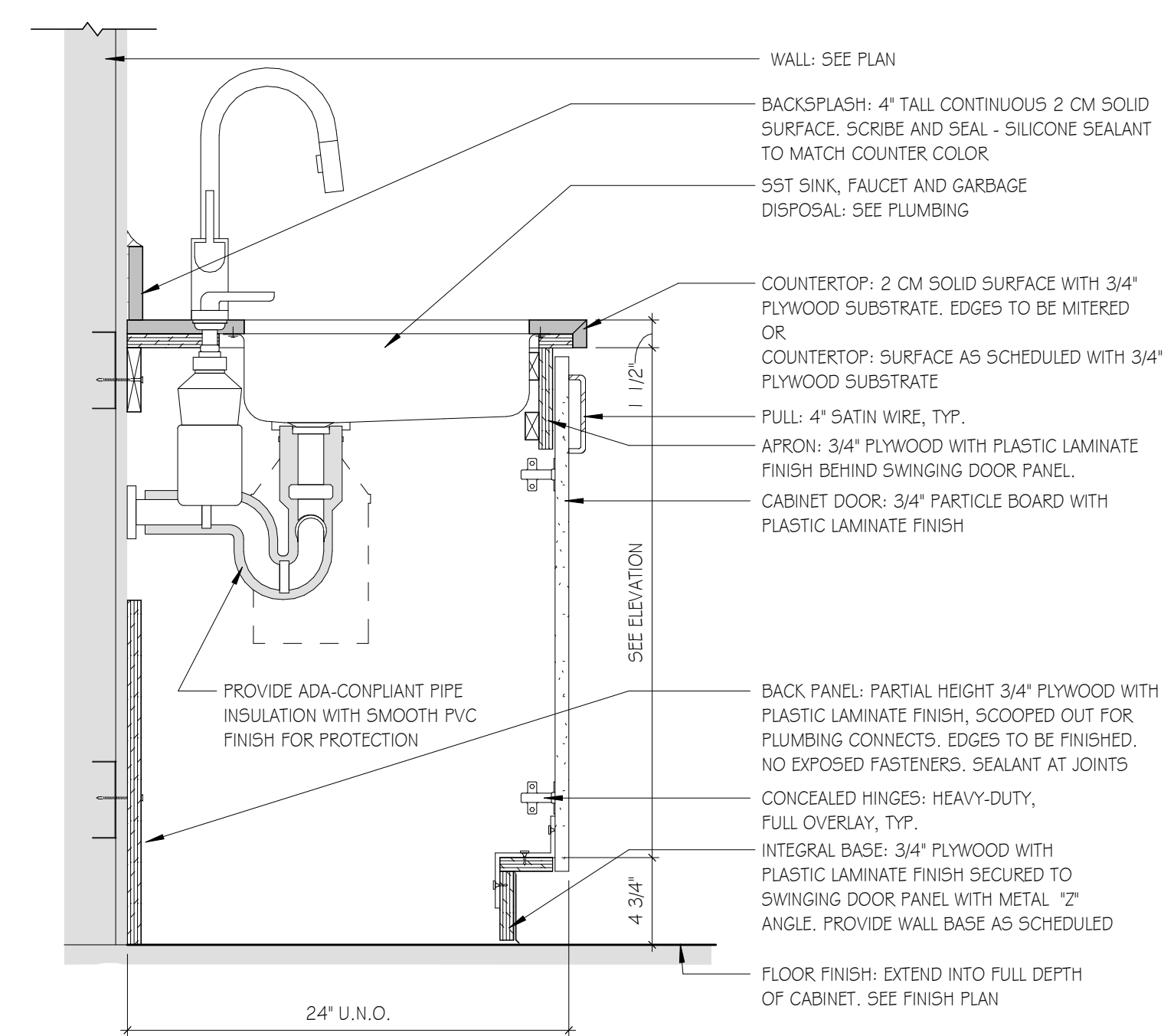
G4 RECEPTION DESK DETAIL ADA
SCALE: 1/2" = 1'-0"



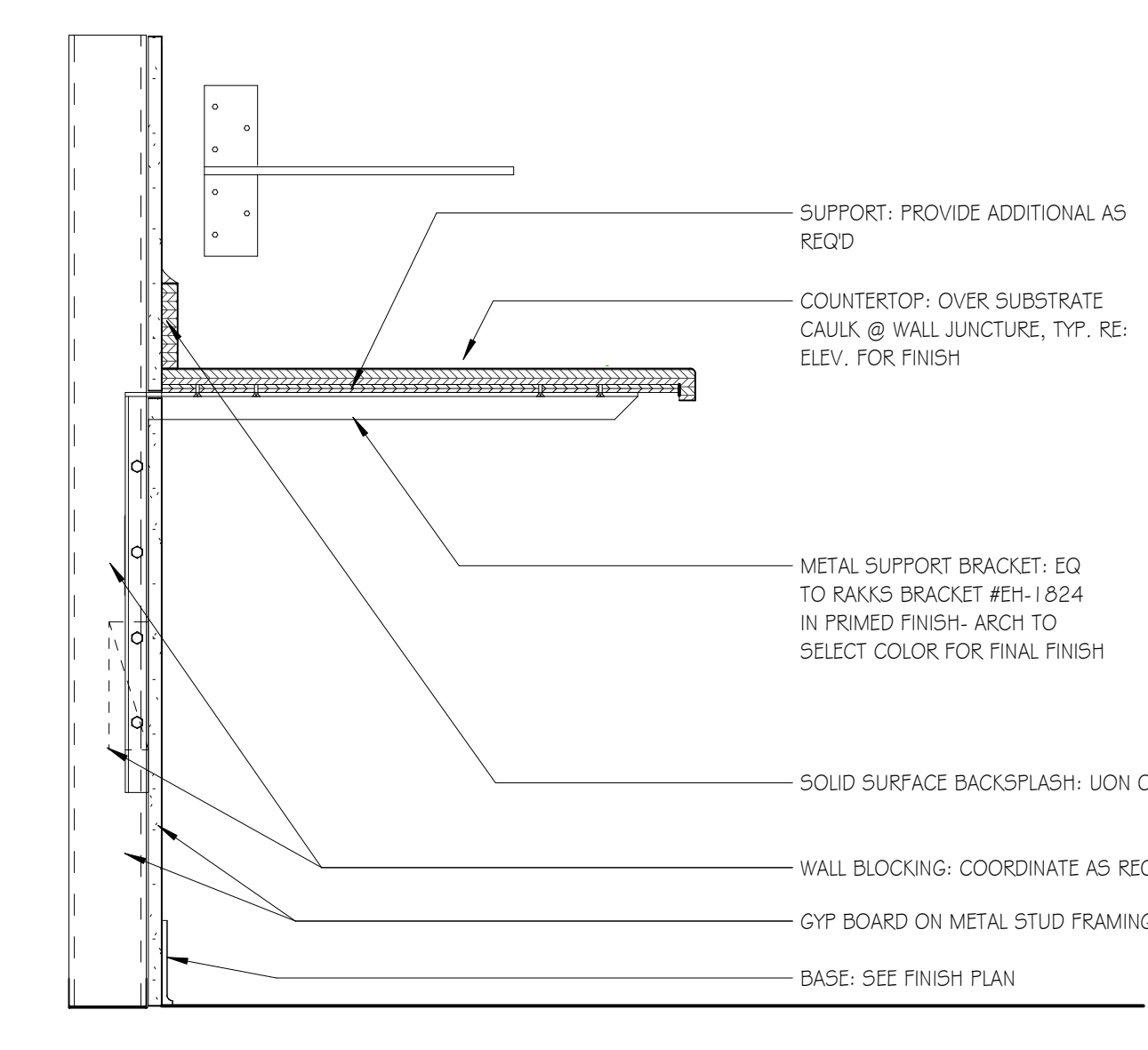
G7 RECEPTION DESK DETAIL
SCALE: 1/2" = 1'-0"



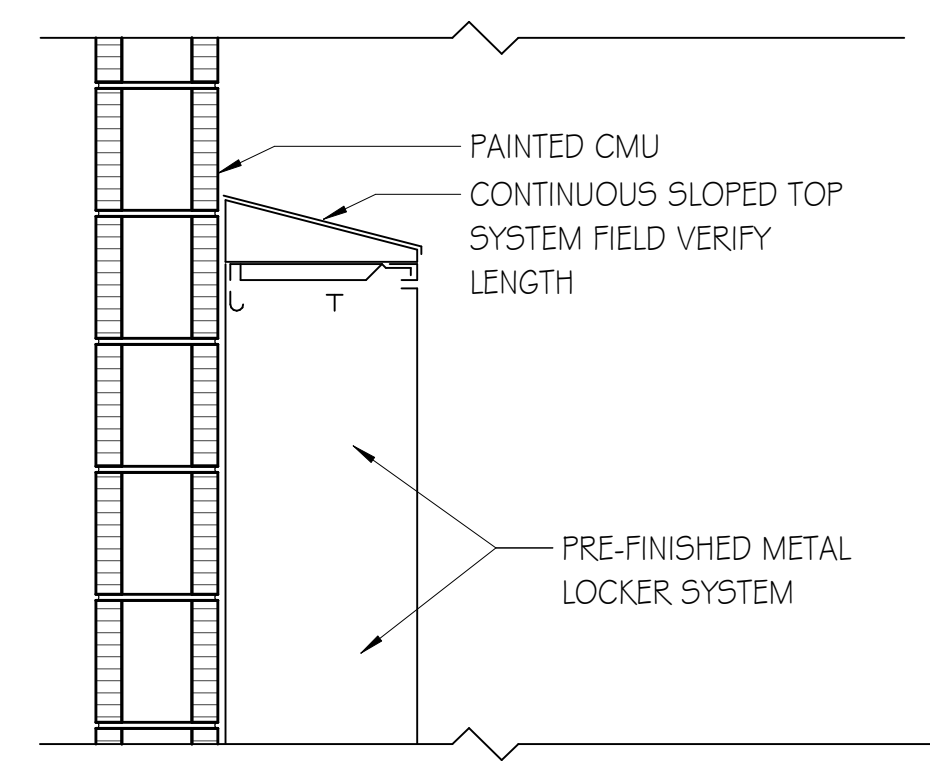
E10 ROLL UP DOOR - DETAIL VIEW
SCALE: 1" = 1'-0"



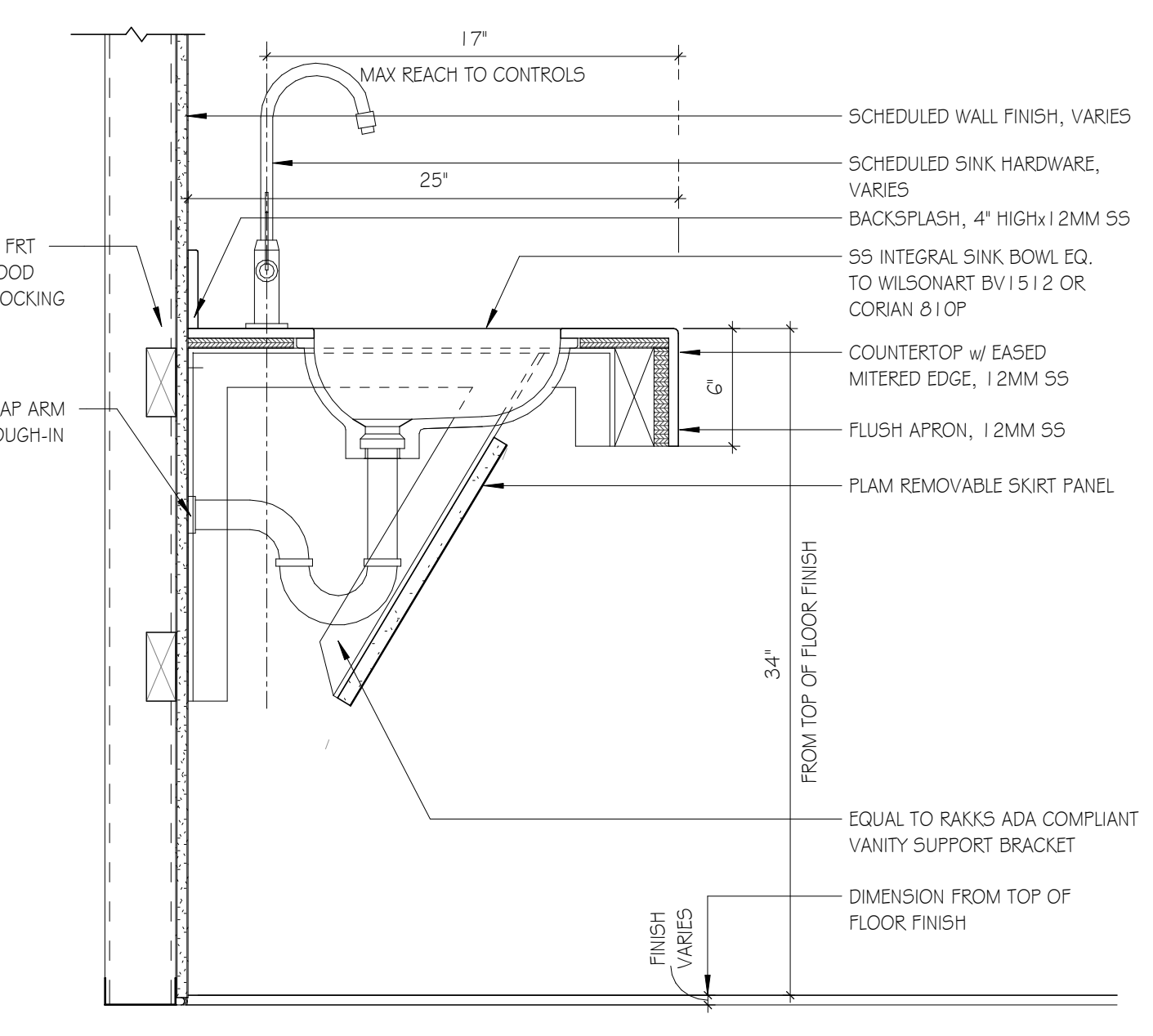
D4 ADA SINK CABINET W/ DOORS
SCALE: 1/2" = 1'-0"



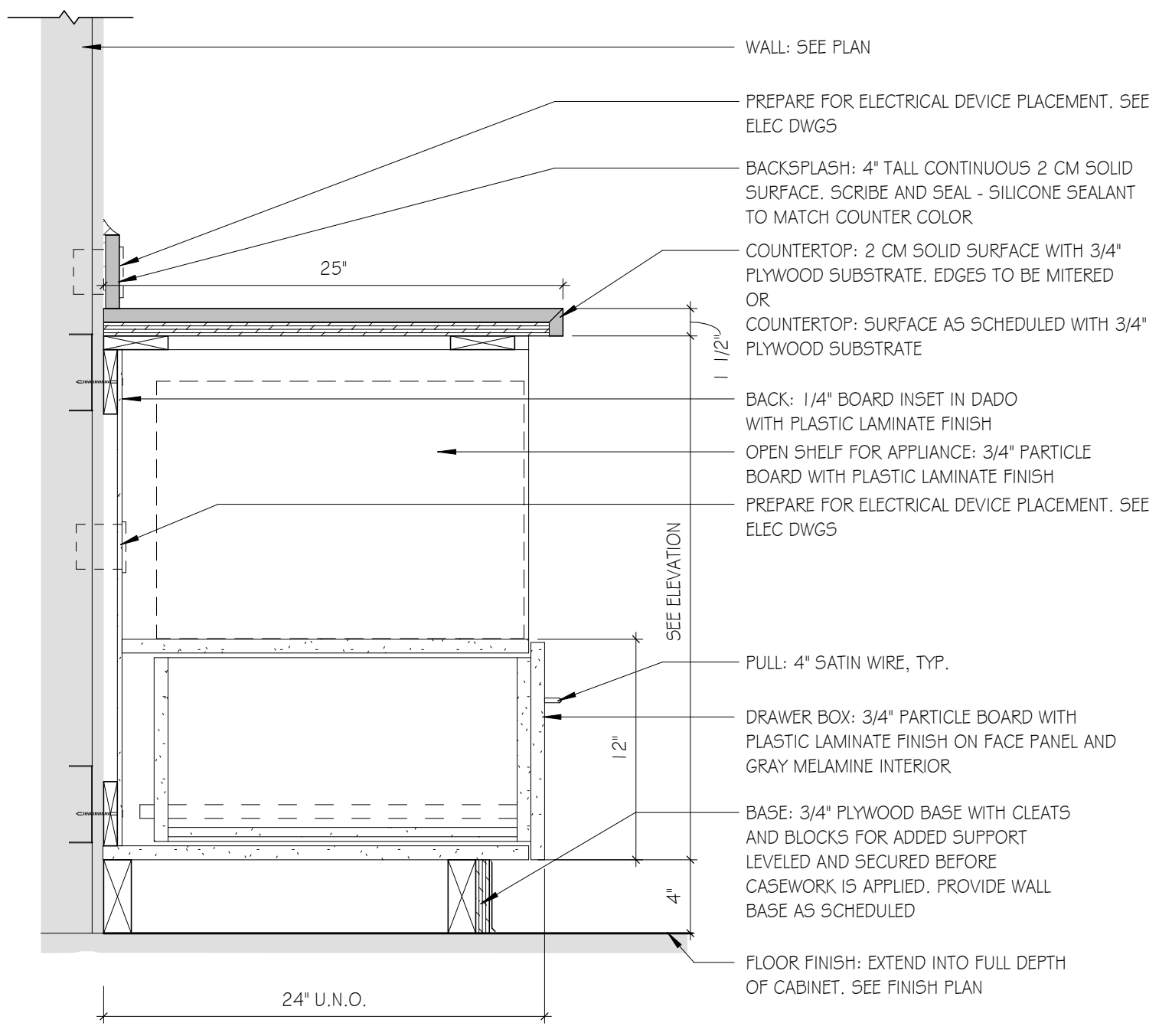
D7 CONCEALED COUNTERTOP
SCALE: 1/2" = 1'-0"



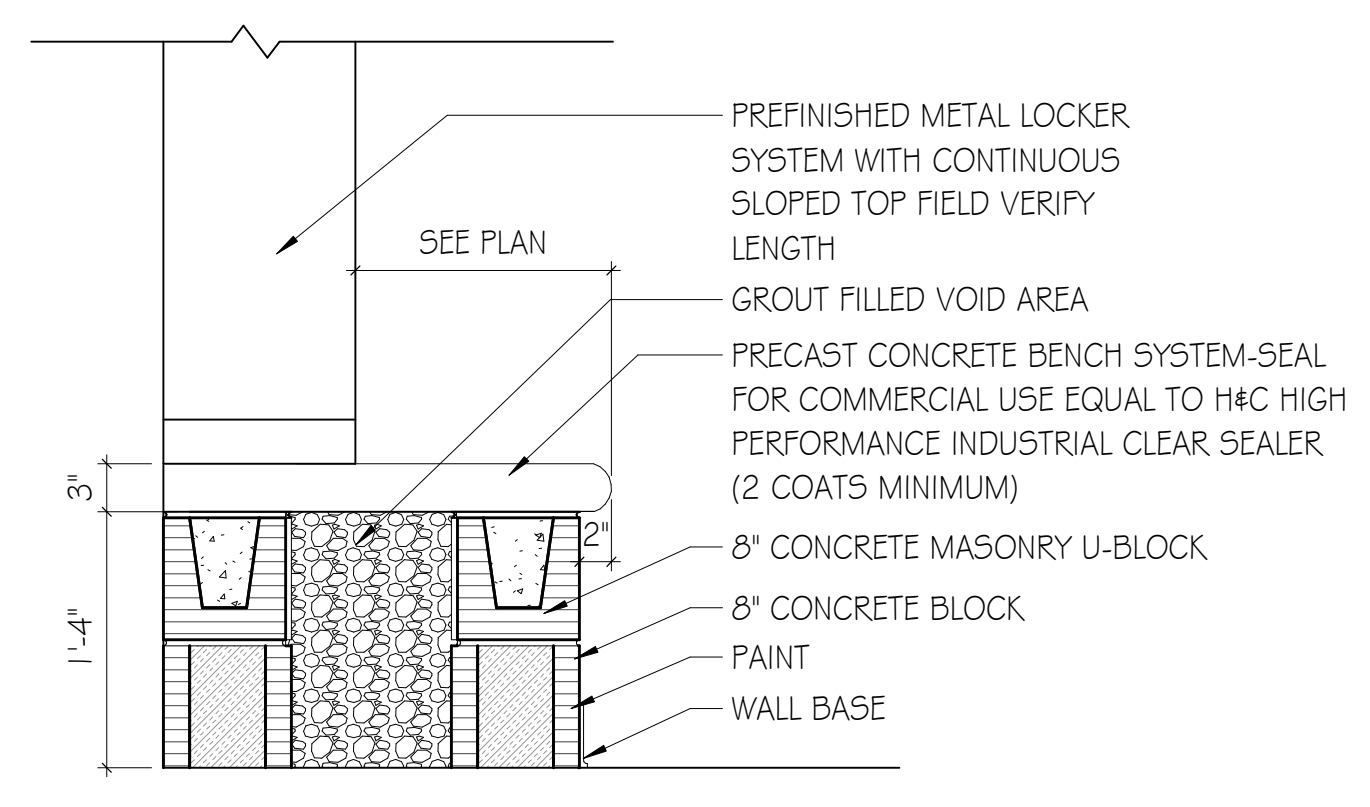
C1 CONTINUOUS SLOPE TOP
SCALE: 1" = 1'-0"



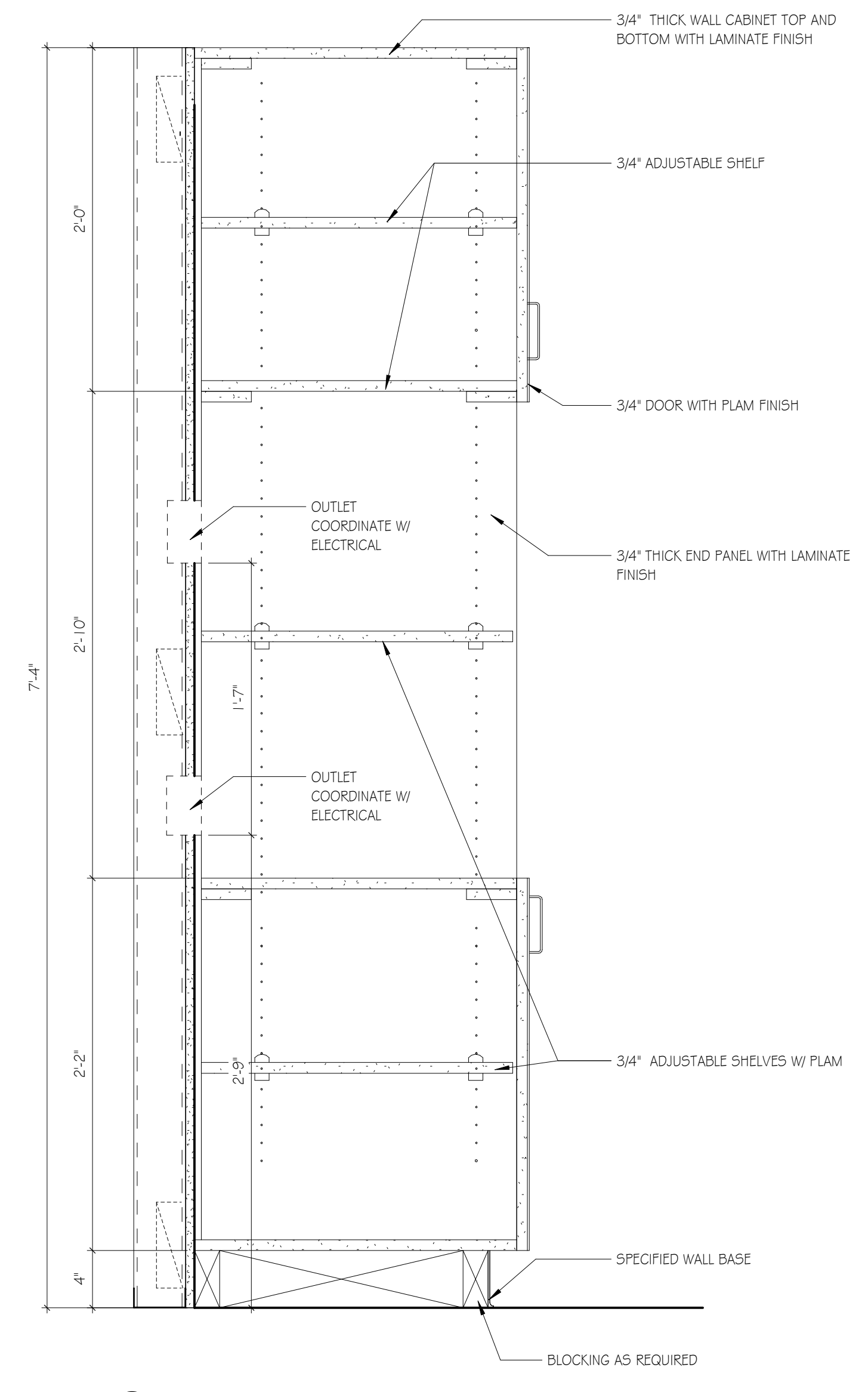
A4 06- ADA SINKBASE-TYPE SS-I-SS-C1
SCALE: 1/2" = 1'-0"



A7 MICROWAVE BASE CABINET
SCALE: 1/2" = 1'-0"



A1 LOCKER BASE & BENCH
SCALE: 1" = 1'-0"



A10 MICROWAVE CABINET
SCALE: 1/2" = 1'-0"

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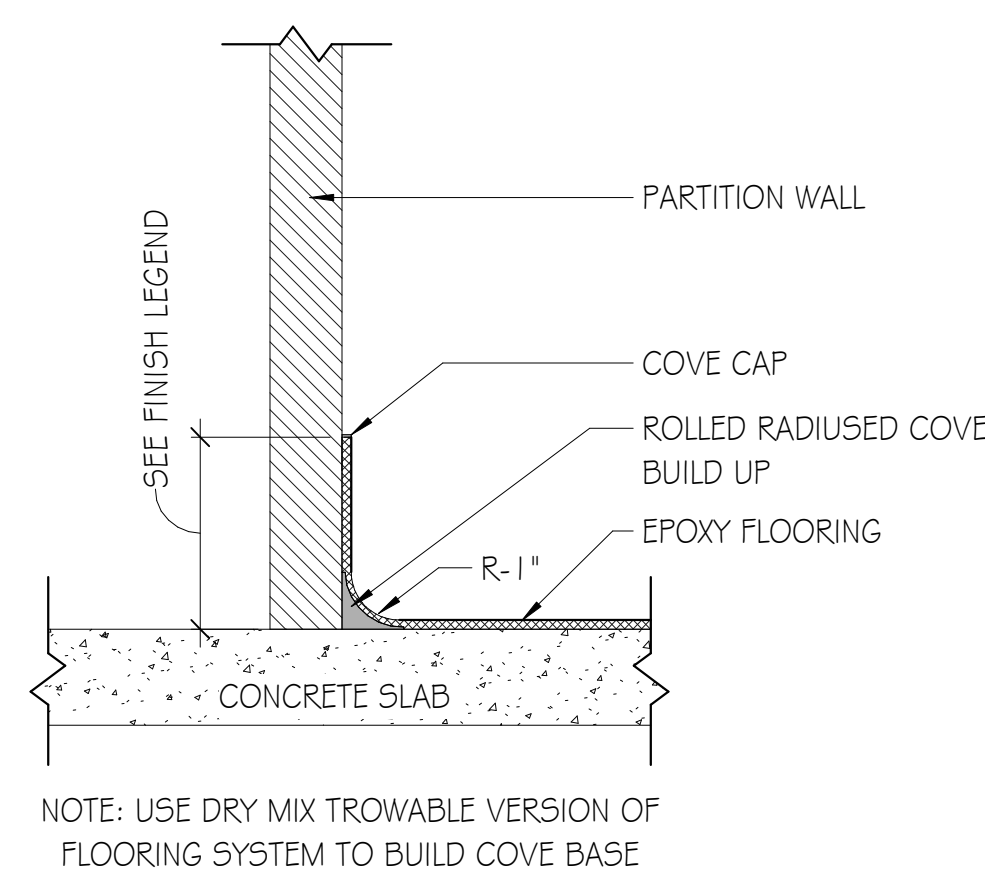
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RAINBOW CITY, ALABAMA

STATE OF ALABAMA
PATRICK SHATKIN
REGISTERED ARCHITECT
8969

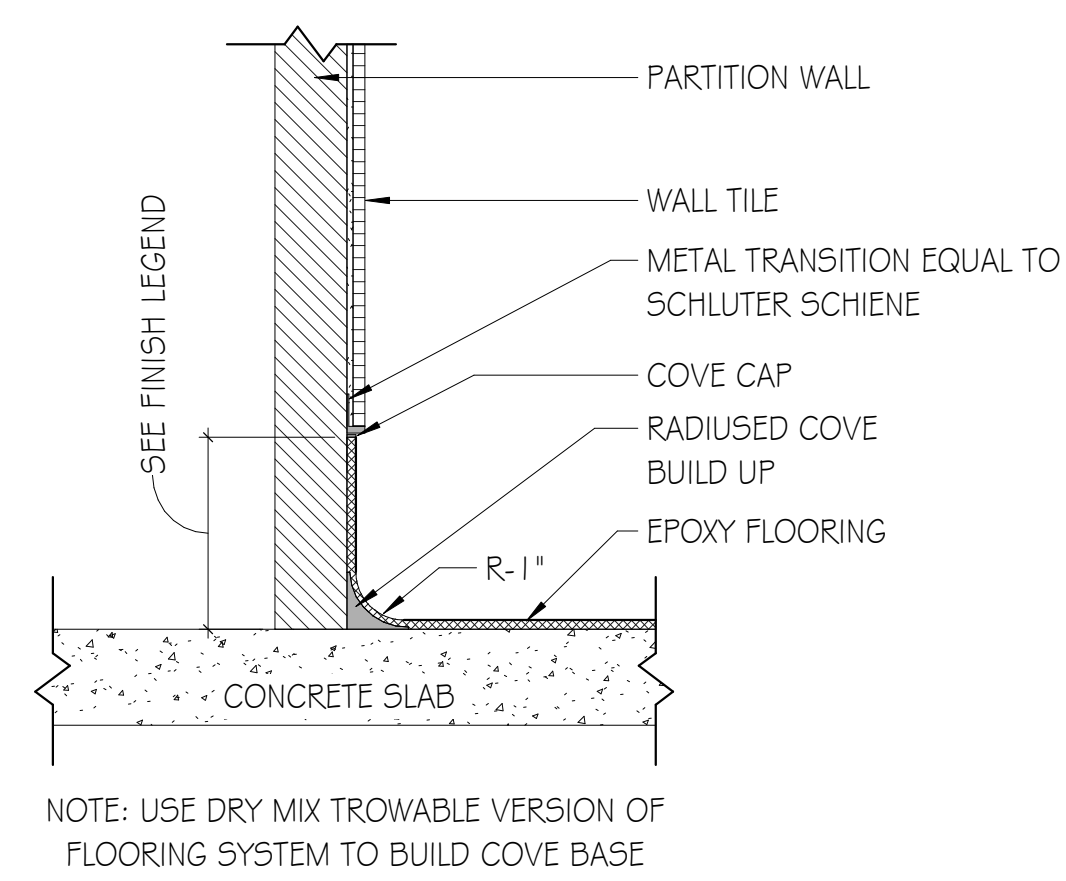
MILLWORK DETAILS
A7.11

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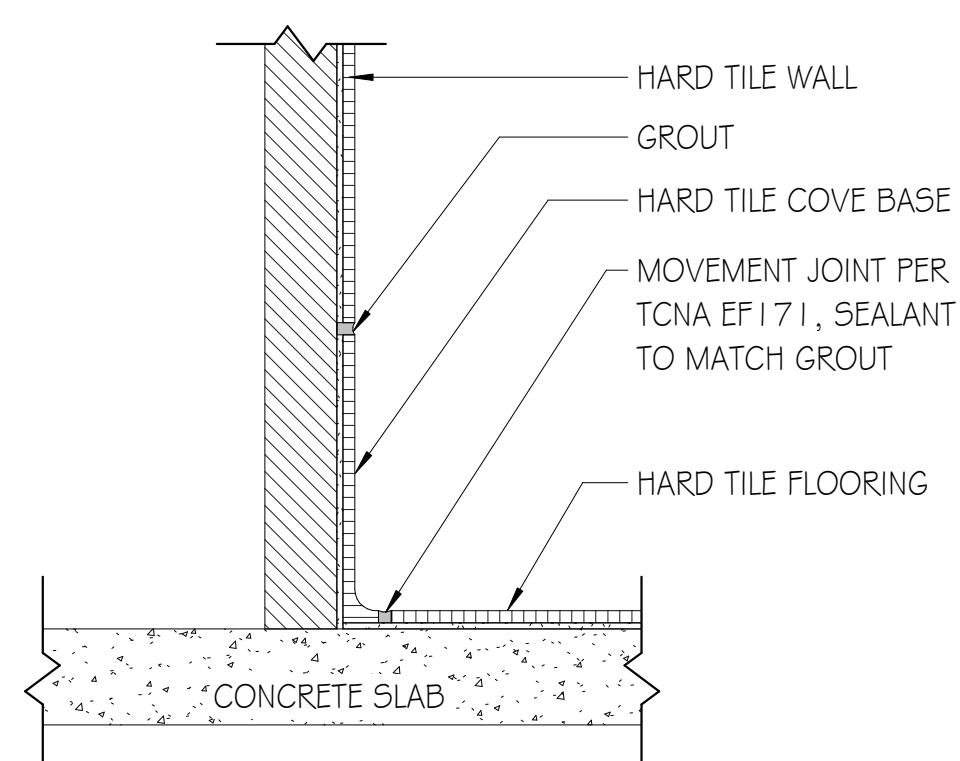
ROOM FINISH SCHEDULE							
ROOM #	ROOM NAME	FLOOR	BASE	WALL	MILLWORK/CASEWORK		COMMENTS
					CABINET	COUNTERTOP	
100	VESTIBULE	WOM-1	RB-1	PNT-1			
101	RECEPTION	PC-1	RB-1	PNT-1	PL-2/PL-3	QS-1	
102	OFFICE	LVT-1	RB-1	PNT-1	PL-1	SS-1	
102B	TLT	HTF-1	HTB-1	HTW-2			
103	WOMENS LOCKER ROOM	EF-1	EB-1	HTW-1/HTW-2/PNT-1	PL-2	SS-2	
104	CORRIDOR	PC-1	RB-1	PNT-1			
105	WOMENS LOCKER ROOM	EF-1	EB-1	HTW-1/HTW-2/PNT-1	PL-2	SS-2	
106	LOBBY # CIRCULATION	PC-1/TS1-1	WB-1/MB-1	WDP-1/PNT-1			
107	MENS LOCKER ROOM	EF-1	EB-1	HTW-1/HTW-2/PNT-1	PL-2	SS-2	
108	CORRIDOR	PC-1	RB-1	PNT-1			
109	MENS LOCKER ROOM	EF-1	EB-1	HTW-1/HTW-2/PNT-1	PL-2	SS-2	
110	CORRIDOR	PC-1	RB-1	HTW-3/PNT-1			
111	CONCESSION	EF-1	EB-1	PNT-1	PL-1	SS-1	
112	CATERING KITCHEN	EF-1	EB-1	PNT-1	PL-1	SS-1	
113	STORAGE	SC-1	RB-1	PNT-1			
114	RISER ROOM	SC-1	RB-1	PNT-1			
115	MULTI-PURPOSE ROOM	LVT-1	RB-1	PNT-1/AWP-2			
116	VESTIBULE	WOM-1	RB-1	PNT-1			
117	TLT	HTF-1	HTB-1	HTW-1/HTW-2			HTW-2 ON WET WALL/HTW-1 ALL OTHER WALLS
118	CONF	CPT-1	RB-1	PNT-1			
119	CORRIDOR	PC-1	RB-1	PNT-1			
120	OPEN OFFICE	CPT-1	RB-1	PNT-1			
121	BREAK	LVT-1	RB-1	PNT-1	PL-1	SS-1	
122	JAN/LAUNDRY	SC-1	RB-1	PNT-1	PL-2	PL-1	
123	OFFICE	CPT-1	RB-1	PNT-1			
124	DATA	SC-1	RB-1	PNT-1			
125	MAIN ELEC	SC-1	RB-1	PNT-1			
126	STORAGE	SC-1	RB-1	PNT-1			
127	GYM	WFS-1	RB-1	PNT-5/AWP-1			
128	MENS POOL RESTROOM	HTF-1	HTB-1	PNT-1			
129	WOMENS POOL RESTROOM	HTF-1	HTB-1	PNT-1			
130	POOL EQUIPMENT & SERVICES	SC-1	RB-1	PNT-1			
131	POOL ELECTRICAL	SC-1	RB-1	PNT-1			
132	ELEVATOR	LVT-1					
200	TRACK VESTIBULE	RF-1	RB-1	HTW-3/PNT-5			
201	FITNESS ROOM	RF-3	RB-1	PNT-1			
202	MECHANICAL ROOM	SC-1	RB-1	PNT-1			
203	TRACK	RF-1/RF-2	RB-1	PNT-5/PNT-2/PNT-6			
204	STORAGE	SC-1	RB-1	PNT-1			
205	ELECTRICAL & DATA	SC-1	RB-1	PNT-1			



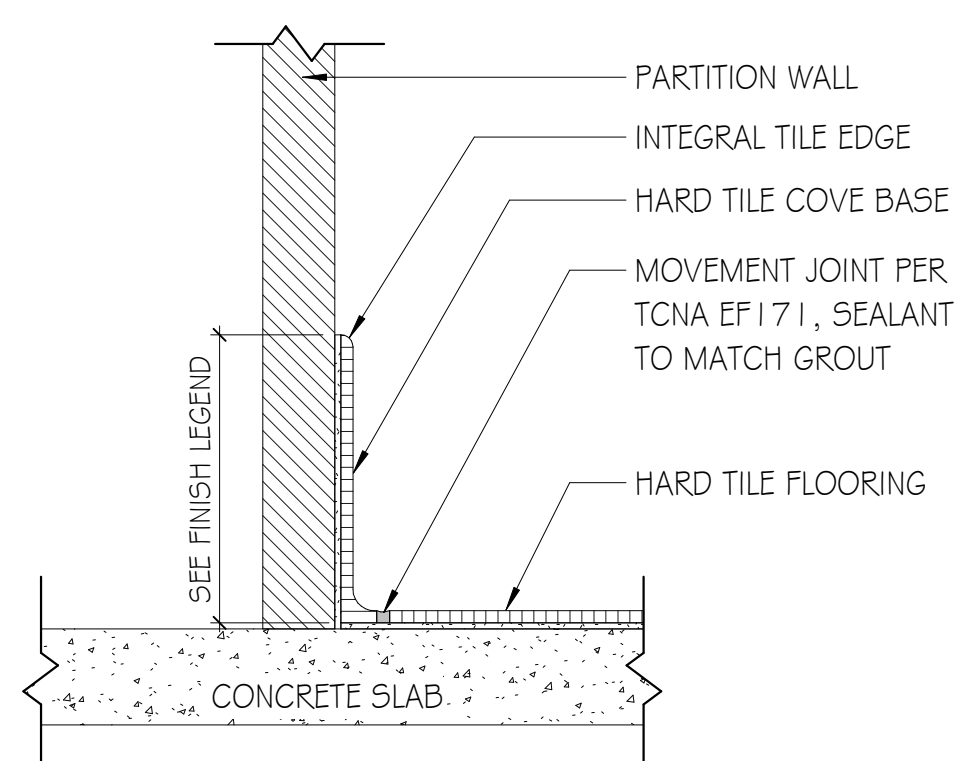
C1 COVE BASE - EPOXY
SCALE: 3" = 1'-0"



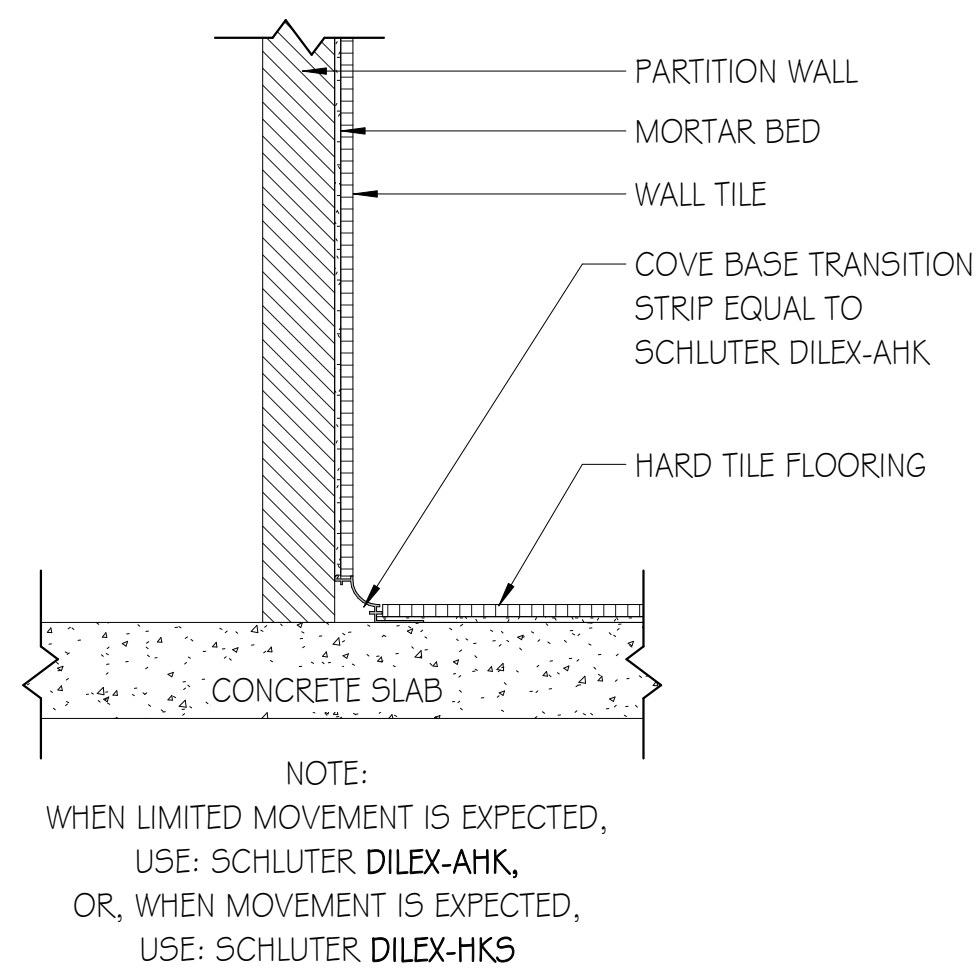
C3 COVE BASE - EPOXY TO WALL TILE
SCALE: 3" = 1'-0"



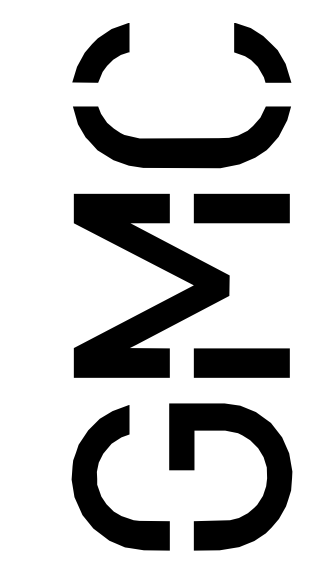
A1 COVE BASE - HTF TO HTW
SCALE: 3" = 1'-0"



A3 COVE BASE - HARD TILE FLOOR
SCALE: 3" = 1'-0"



A6 METAL COVE - HTW TO HTF
SCALE: 3" = 1'-0"

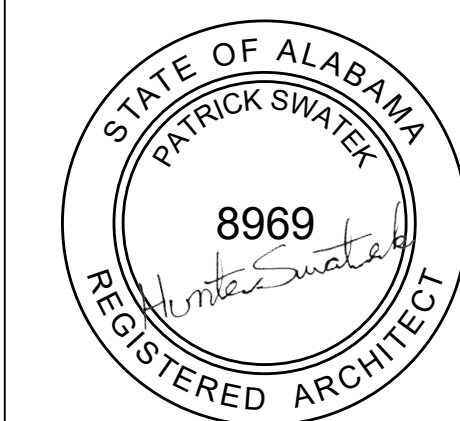


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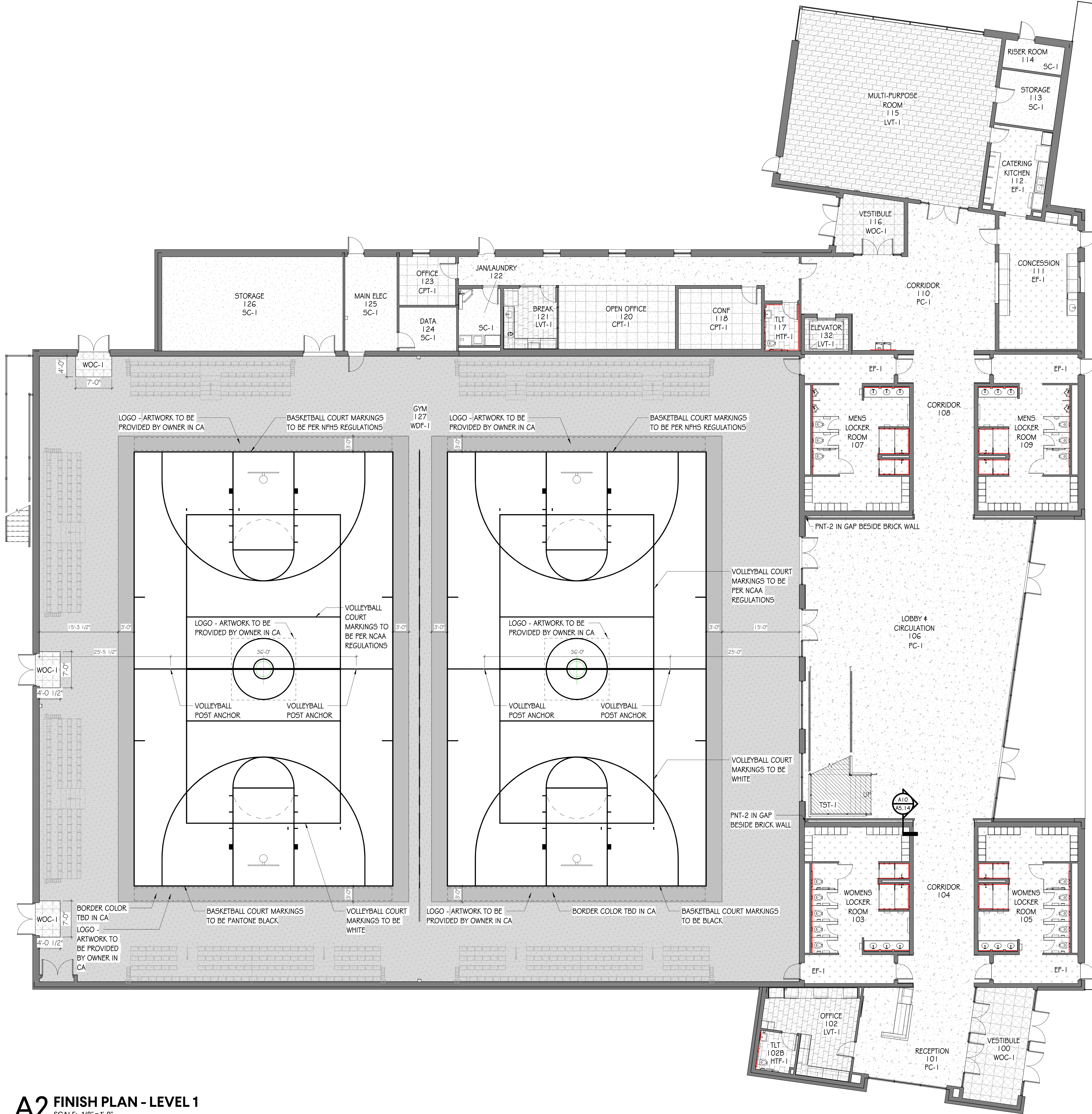
RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA



FINISH SCHEDULE

A8.02

GMC # ABHM230021



A2 FINISH PLAN - LEVEL 1
SCALE: 1/8" = 1'-0"

GENERAL NOTES
 ——— RED LINE INDICATES TILE TO CEILING

GENERAL NOTES - FINISH PLAN

- FURNITURE SHOWN FOR REFERENCE ONLY. NOT IN CONTRACT.
- REFER TO FINISH LEGEND FOR PAINT COLORS CALLED OUT ON REFLECTED CEILING PLANS AND FINISH PLANS.
- UNLESS OTHERWISE NOTED, ALL FLOOR TILE SHALL BE CENTERED IN ROOM.
- UNLESS OTHERWISE NOTED, ALL CEILING GRID AND LIGHT FIXTURES SHALL BE CENTERED IN ROOM/OPENING.
- CONTRACTOR TO REVIEW WITH ARCHITECT, ON SITE, AREAS WITH MULTIPLE CEILING, WALL, AND FLOOR FINISHES BEFORE FINISH WORK BEGINS.
- REFER TO RCP LEGEND ON OVERALL REFLECTED CEILING PLANS FOR RCP ABBREVIATIONS AND FINISHES.
- WALL TILE AND BASE GROUT LINES SHALL ALIGN WITH FLOOR TILE.
- PROVIDE BLOCKING FOR GRAB BARS AND TOILET ACCESSORIES IN RESTROOMS.



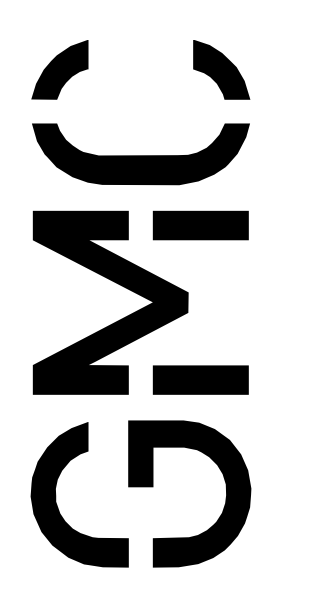
FINISH PLAN - LEVEL 1
A8.03

RAINBOW CITY RECREATION CENTER
 RAINBOW CITY, ALABAMA

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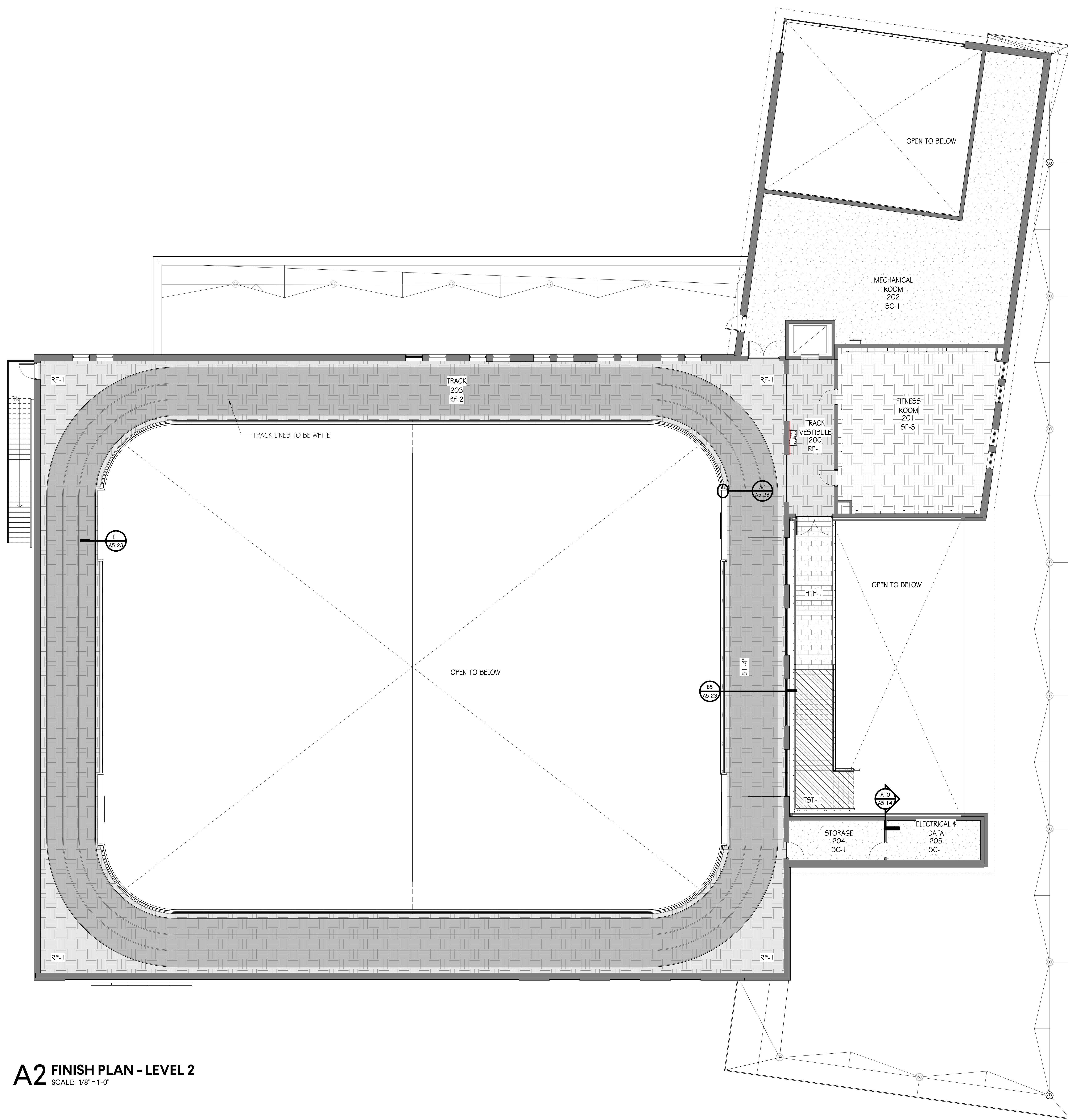
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A2 FINISH PLAN - LEVEL 2
SCALE: 1/8" = 1'-0"

FINISH PLAN - LEVEL 2

RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA

ISSUE DATE

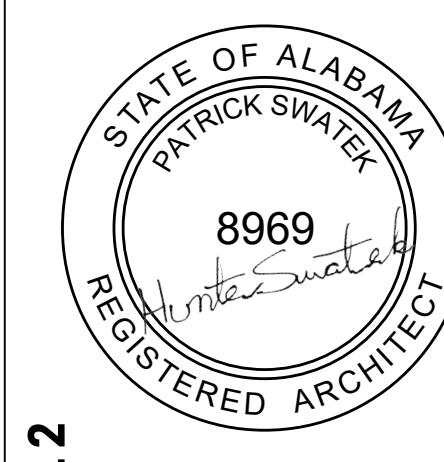
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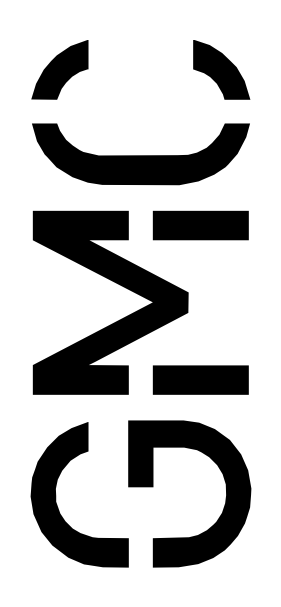
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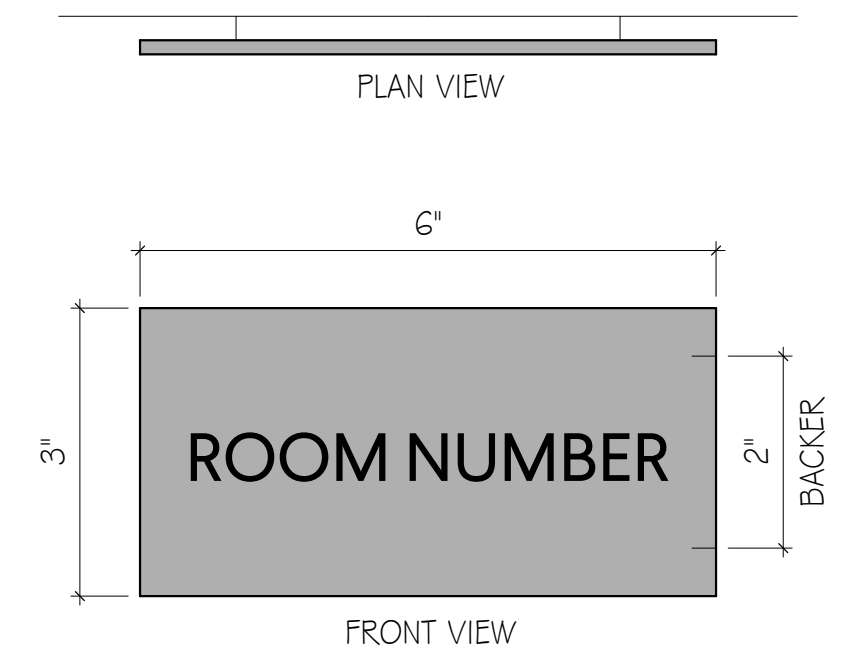
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GMC # ABHM230021

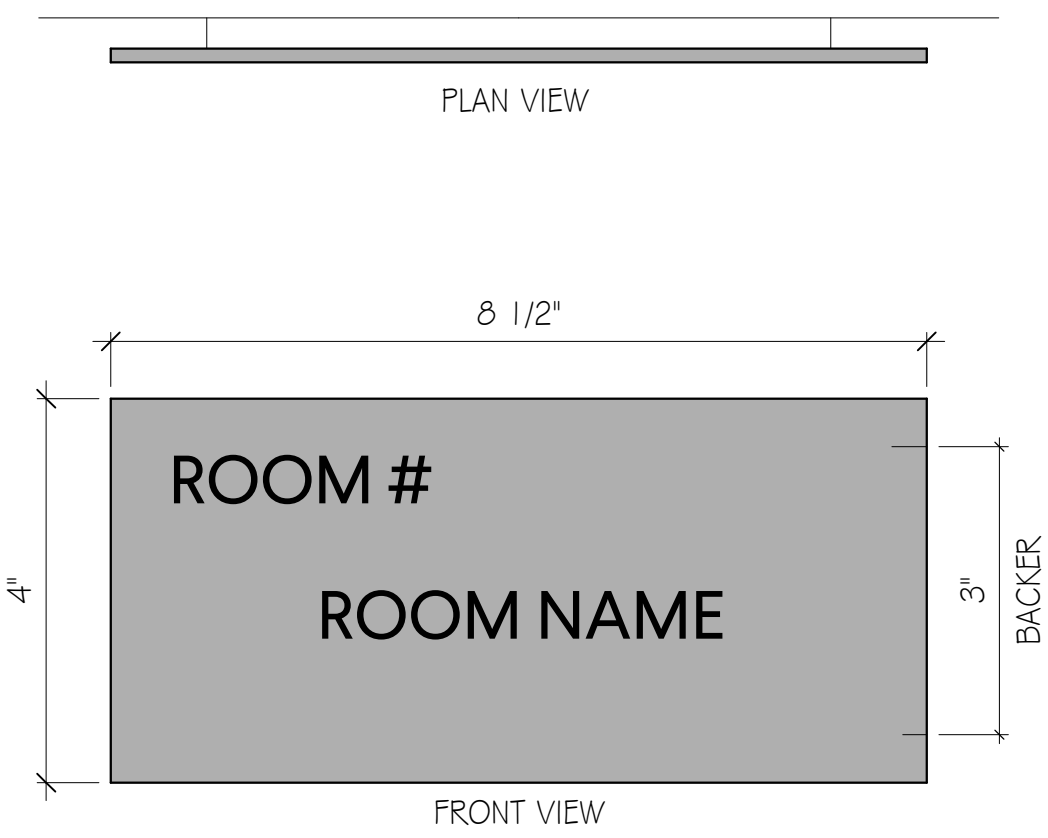


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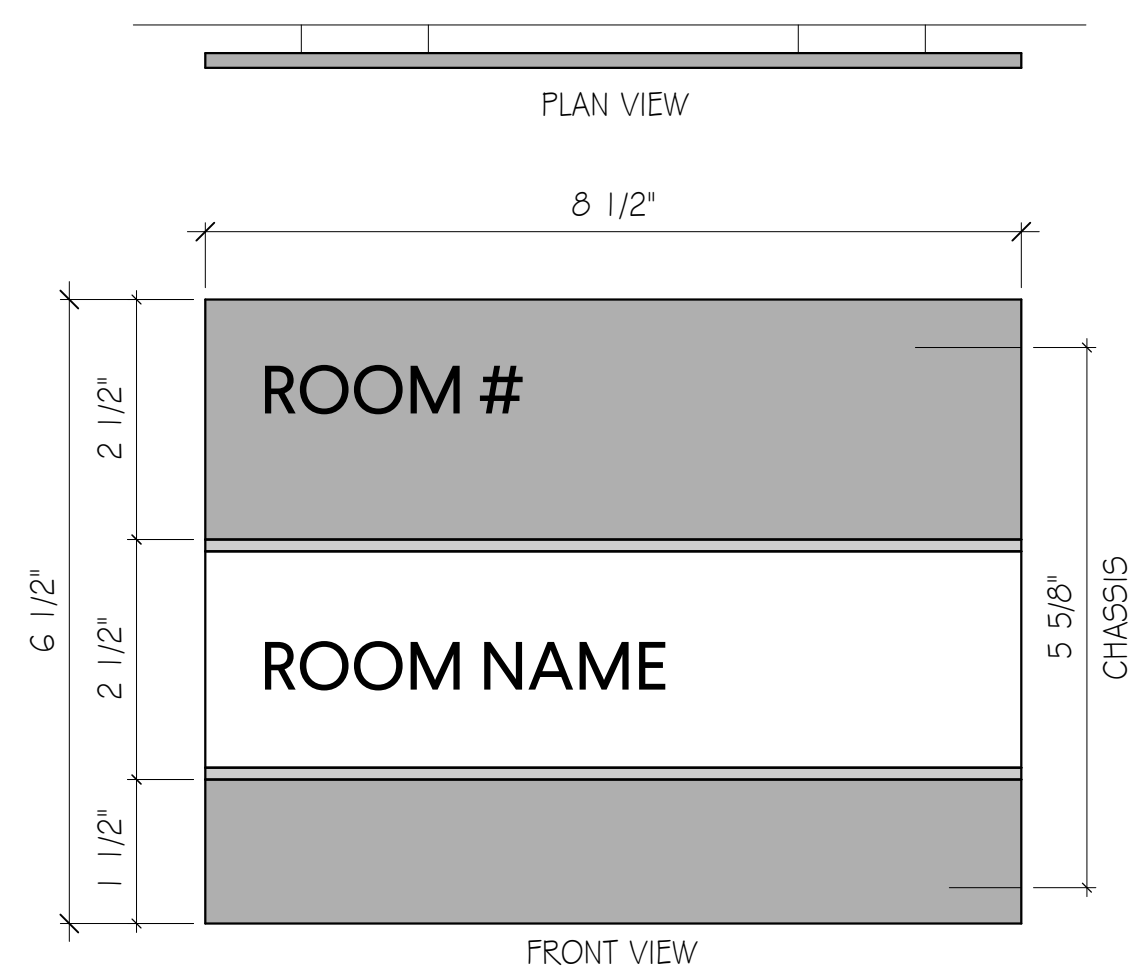




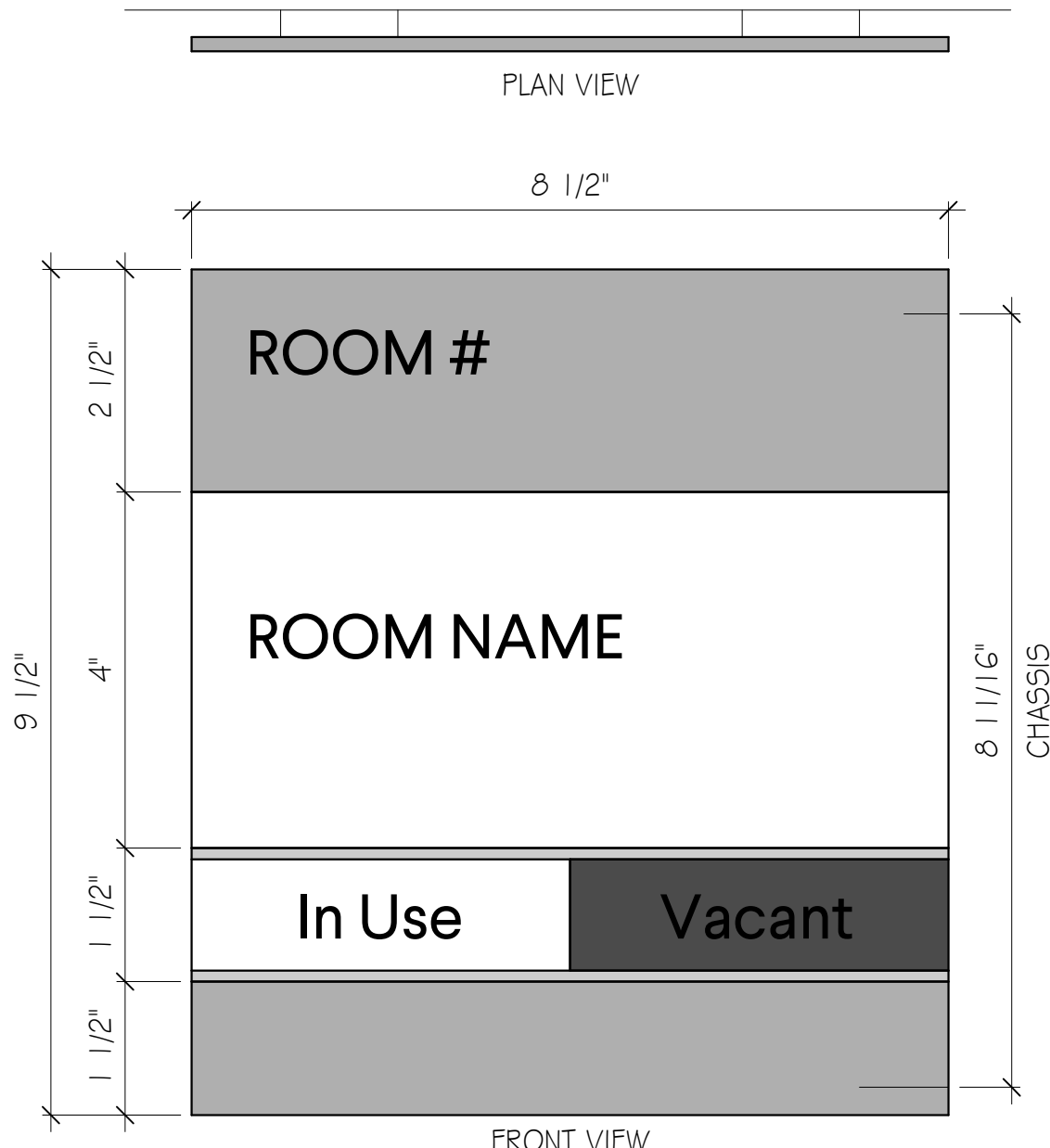
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 SIZE: 3' X 6'
 MOUNTING: VT
 QUANTITY: SEE SCHEDULE



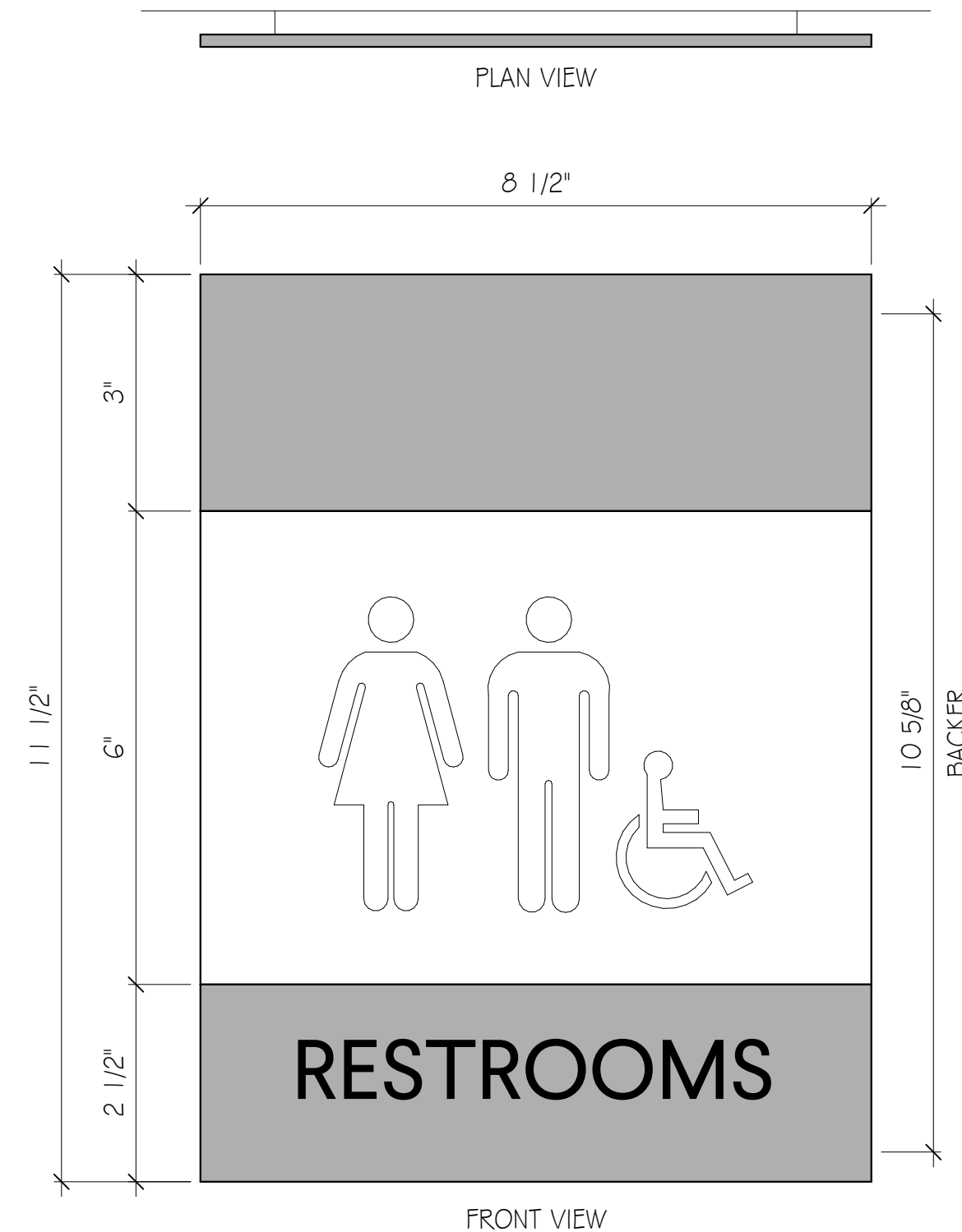
TYPE: A2 (EV85)
 SIZE: 4' X 8.5'
 MOUNTING: VT
 QUANTITY: SEE SCHEDULE



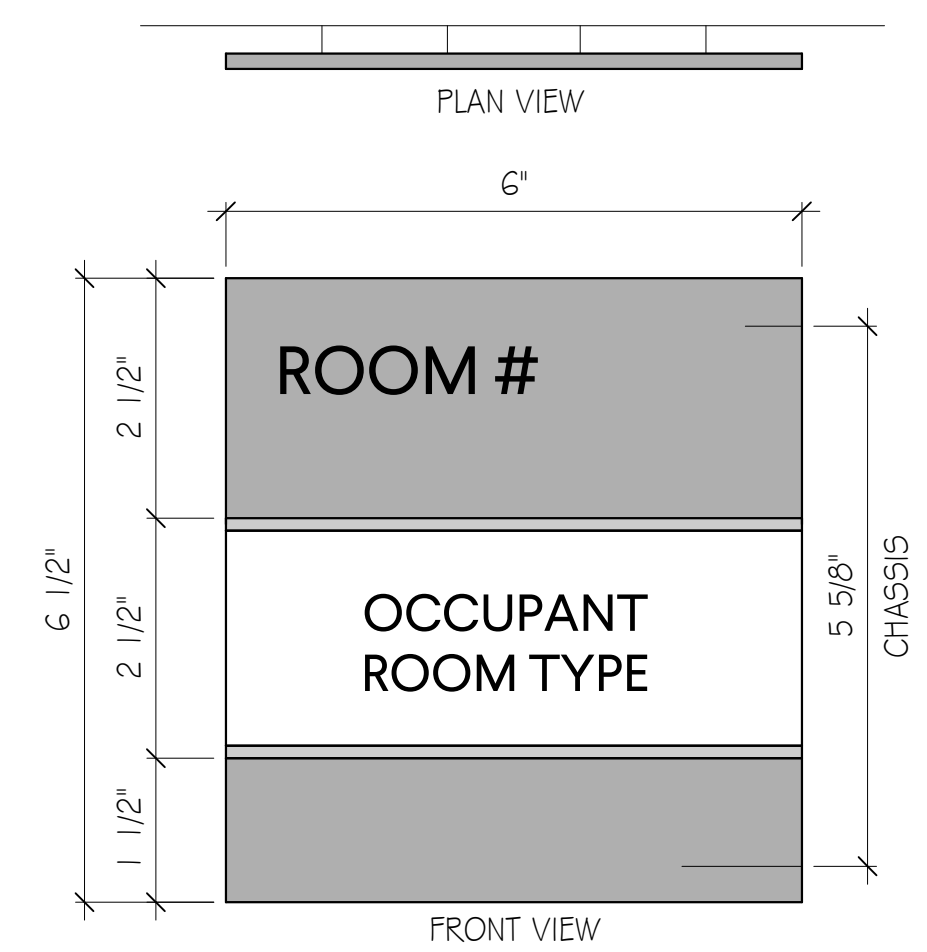
TYPE: A3 (EV85)
 SIZE: 8.5' X 6.5'
 MOUNTING: VT
 QUANTITY: SEE SCHEDULE



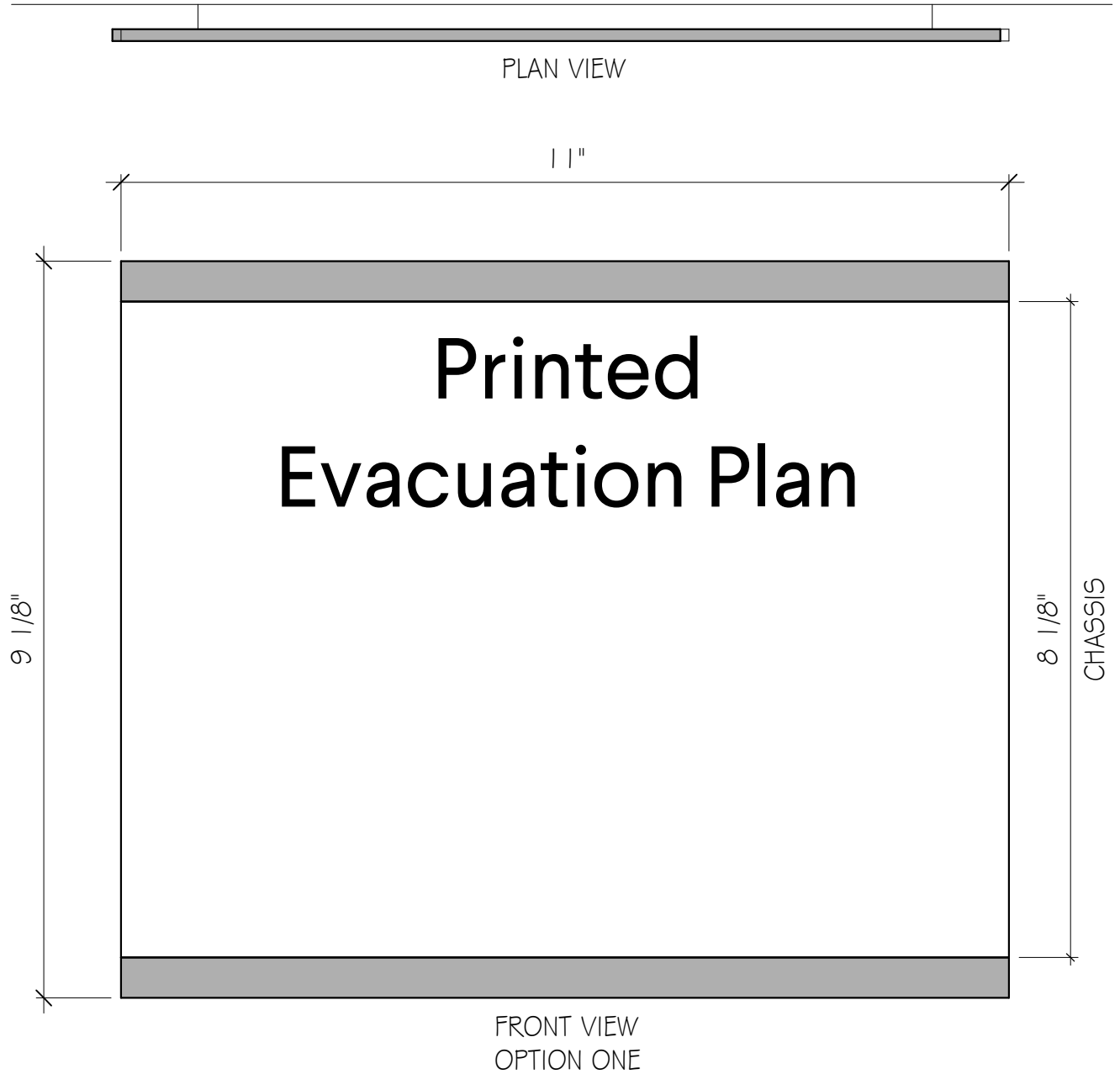
TYPE: A5 (EV85)
 SIZE: 8.5' X 9.1'
 MOUNTING: VT
 QUANTITY: SEE SCHEDULE



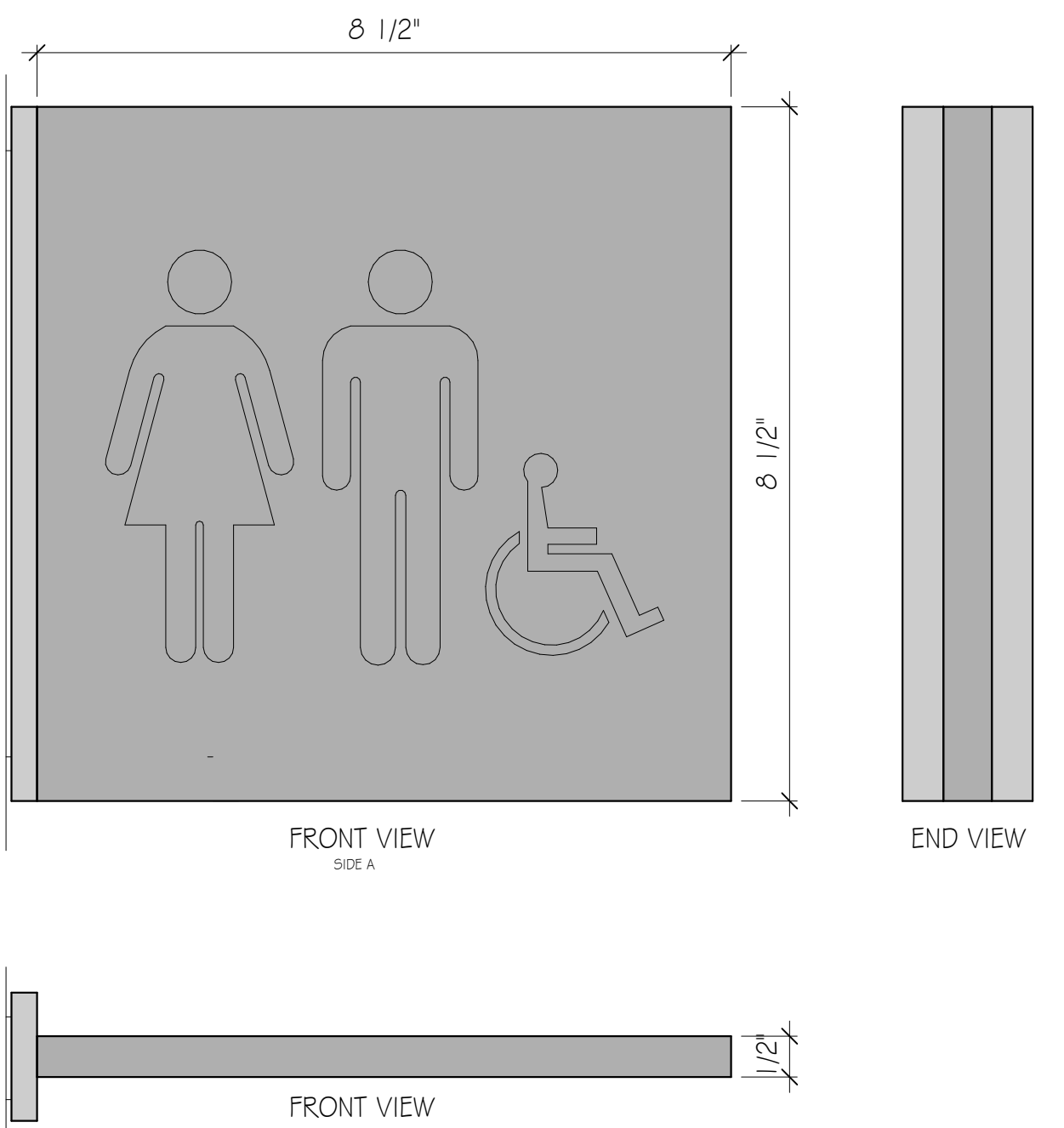
TYPE: A6 (EV85)
 SIZE: 8.5' X 11.5'
 SYMBOL: AS REQUIRED
 MOUNTING: VT
 QUANTITY: SEE SCHEDULE



TYPE: A4 (EVO6)
 SIZE: 6' X 5.5'
 MOUNTING: VT
 QUANTITY: SEE SCHEDULE



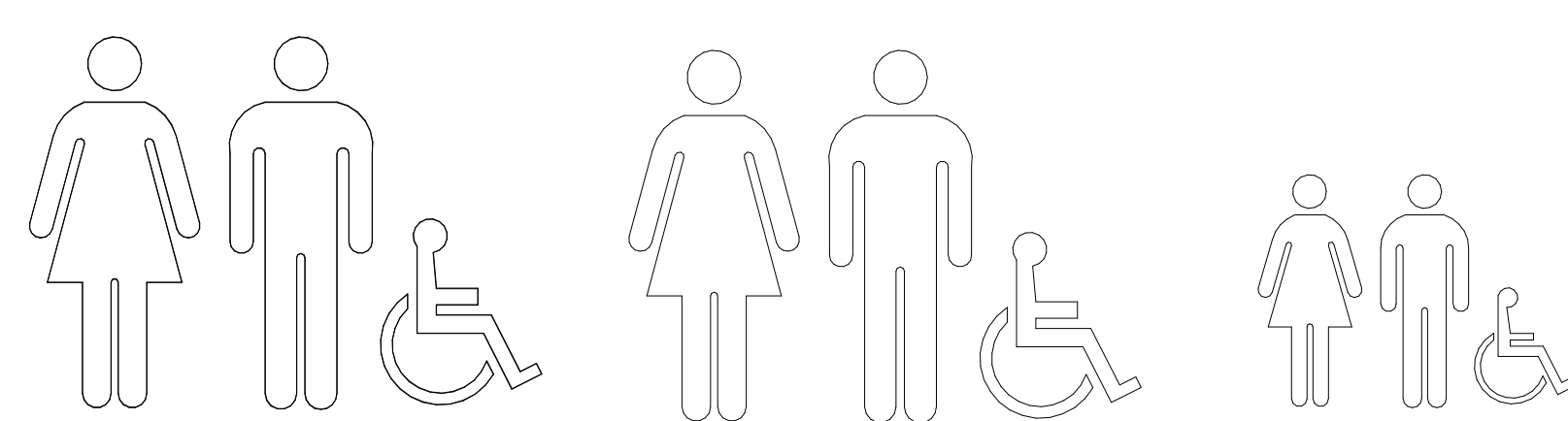
TYPE: A8 (EV11)
 SIZE: 11' X 9.1'
 MOUNTING: VT
 QUANTITY: SEE LIFE SAFETY PLANS



TYPE: A10 (EXPANDED PVC PROJECTION WALL MOUNT)
 DOUBLE SIDED GRAPHICS
 SIZE: 8.5' X 8.5' X 1/2" THICK
 SYMBOL: AS REQUIRED
 MOUNTING: CMT-M
 QUANTITY: 3

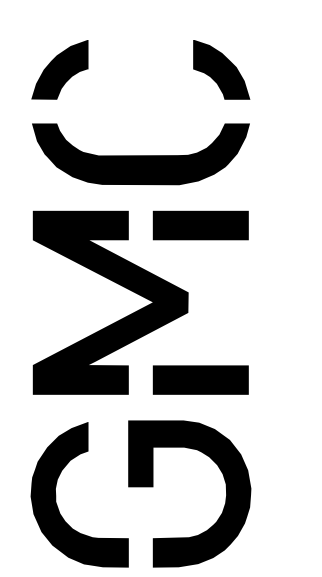


RESTROOM GROUPINGS



SIGNAGE TYPES:

BASED ON APCO SIGNS ELEVATE SERIES



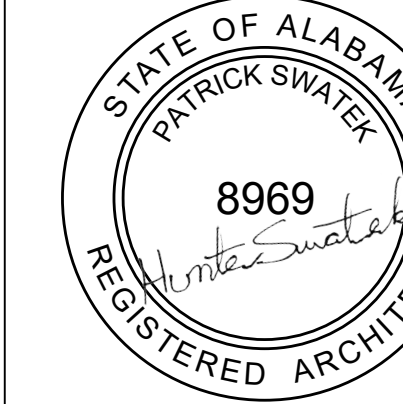
SIGNAGE SCHEDULE						
PLAN NUMBER	PLAN NAME	SIGN TYPE	SIGN NUMBER	SIGN NAME	SIGNAGE COMMENTS	QUANTITY
100	VESTIBULE	-				
101	RECEPTION	-				
102	OFFICE	A3				
102B	TLT	A6				
103	WOMENS LOCKER ROOM	A6				
104	CORRIDOR	-				
105	WOMENS LOCKER ROOM	A6				
106	LOBBY # CIRCULATION	-				
107	MENS LOCKER ROOM	A6				
108	CORRIDOR	-				
109	MENS LOCKER ROOM	A6				
110	CORRIDOR	-				
111	CONCESSION	A3				
112	CATERING KITCHEN	A3				
113	STORAGE	A2				
114	RISER ROOM	A2				
115	MULTI-PURPOSE ROOM	A5				
116	VESTIBULE	-				
117	TLT	A6				
118	CONF	A5				
119	CORRIDOR	-				
120	OPEN OFFICE	-				
121	BREAK	A3				
122	JANLAUNDRY	A2				
123	OFFICE	A4				
124	DATA	A2				
125	MAIN ELEC	A2				
126	STORAGE	A2				
127	GYM	A3				
128	MENS POOL RESTROOM	A6				
129	WOMENS POOL RESTROOM	A6				
130	POOL EQUIPMENT # SERVICES	A2				
131	POOL ELECTRICAL	A2				
132	ELEVATOR	A6				
200	TRACK VESTIBULE	-				
201	FITNESS ROOM	A5				
202	MECHANICAL ROOM	A2				
203	TRACK	A3				
204	STORAGE	A2				
205	ELECTRICAL # DATA	A2				

SIGNAGE SCHEDULE

RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA

ISSUE DATE
1FB SET 05/28/2024

Goodwyn Mills Cawood, LLC
2400 5th Avenue South, Suite 200
Birmingham, AL 35233
T 205.879.4462
GMCNETWORK.COM



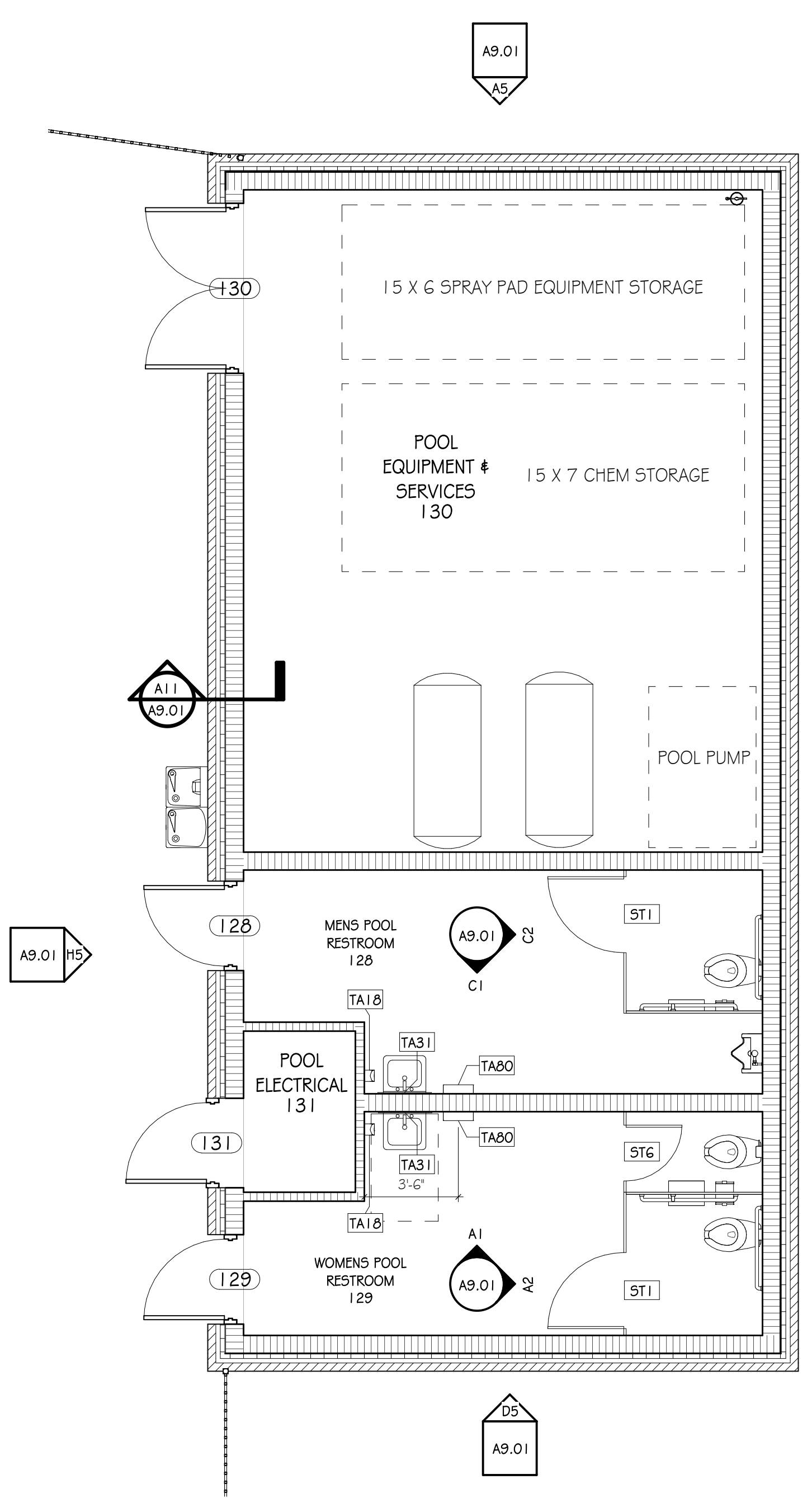
A8.52

GMC # ABHM230021

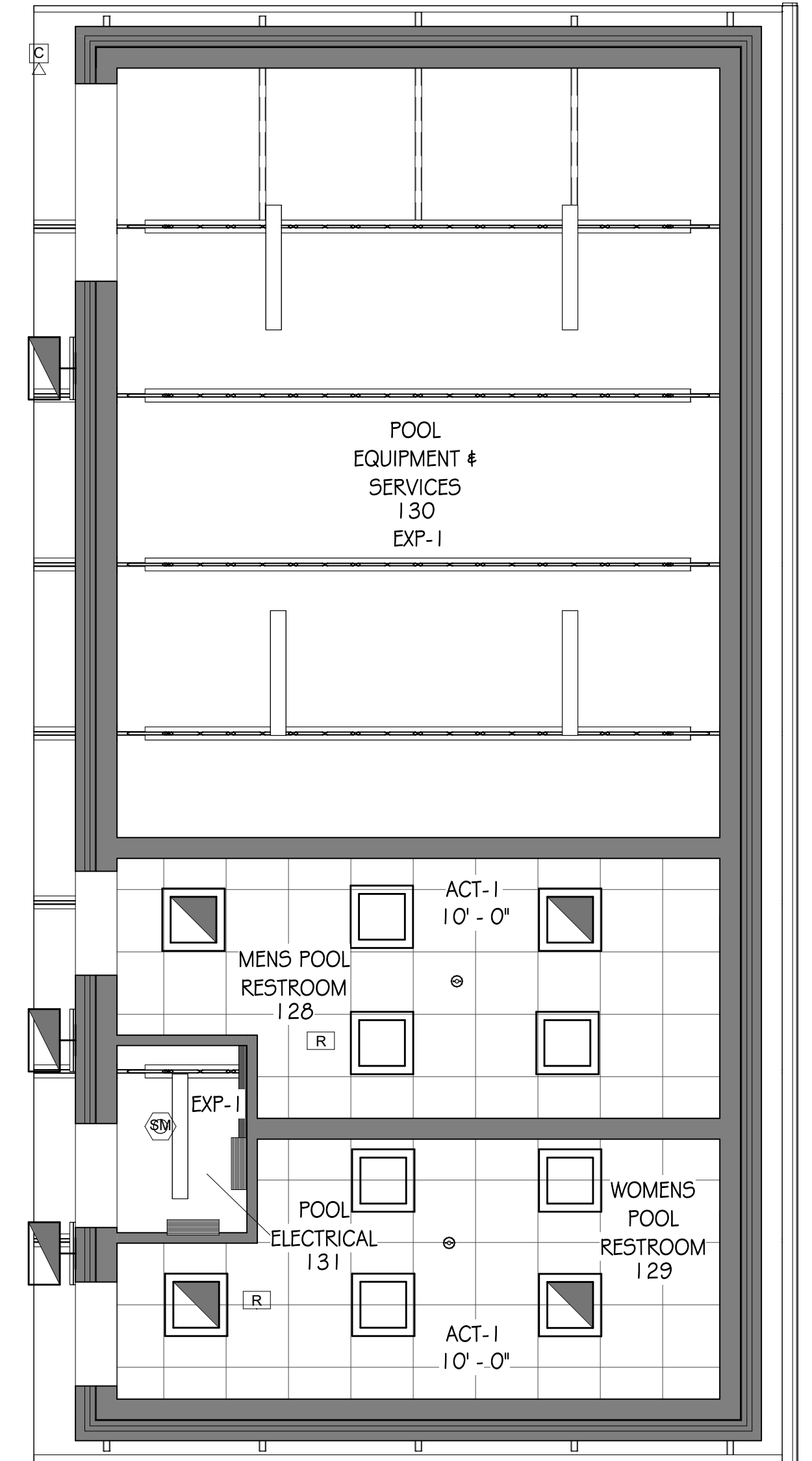
DRAWN BY: Author
CHECKED BY: Checker

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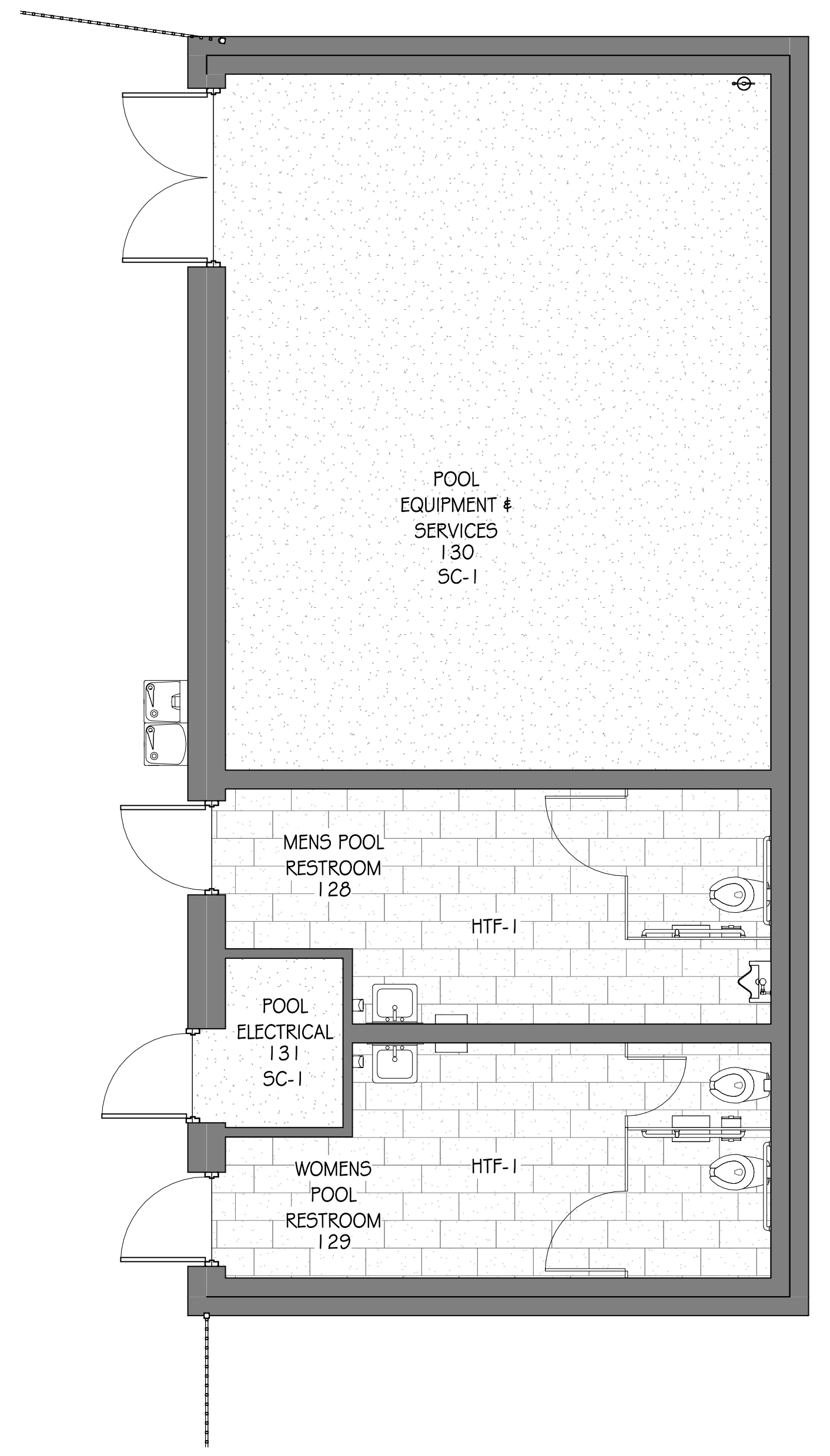
K J H G F E D C B A



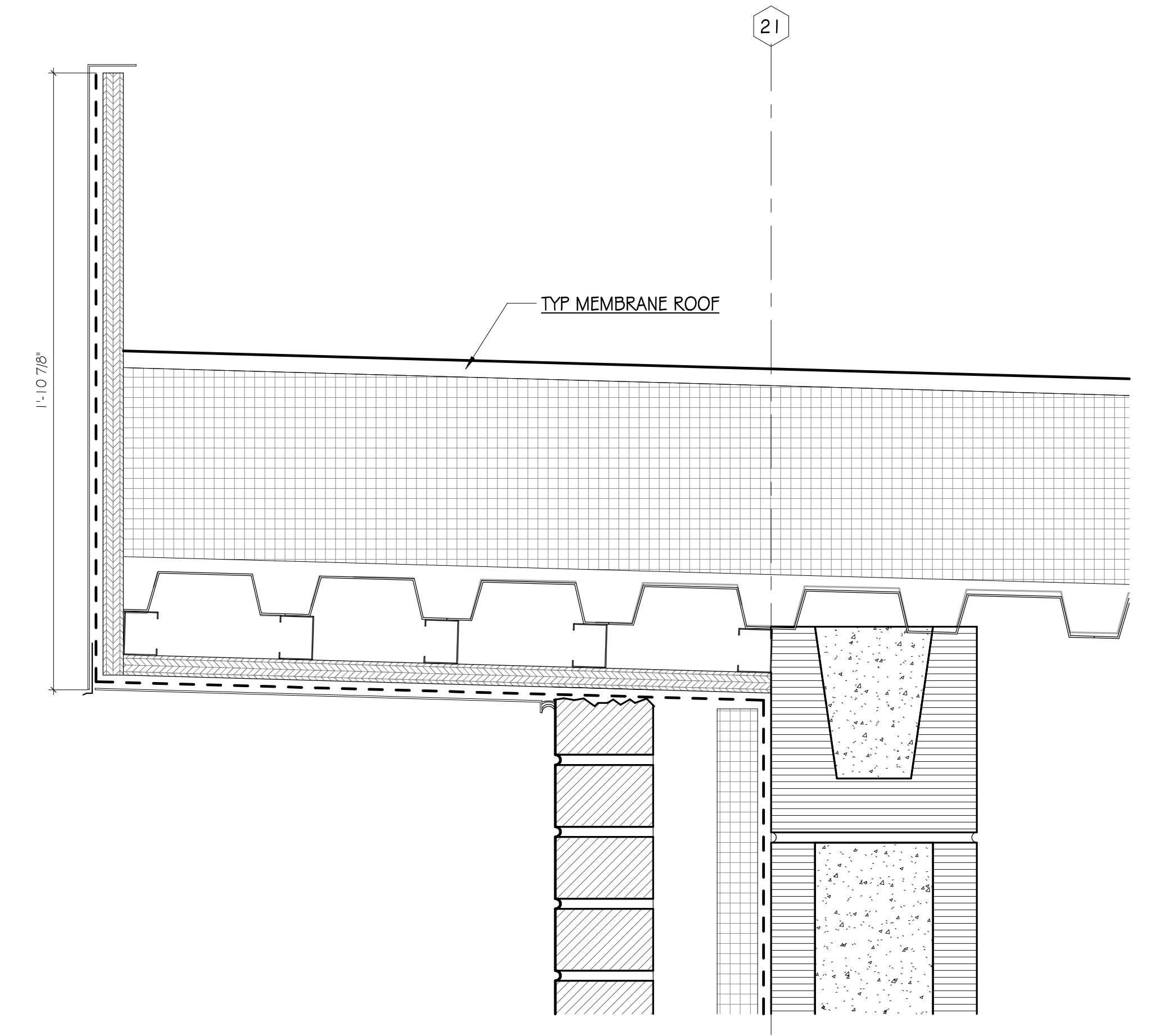
D1 POOL EQUIPMENT BLDG PLAN
SCALE: 1/4"=1'-0"



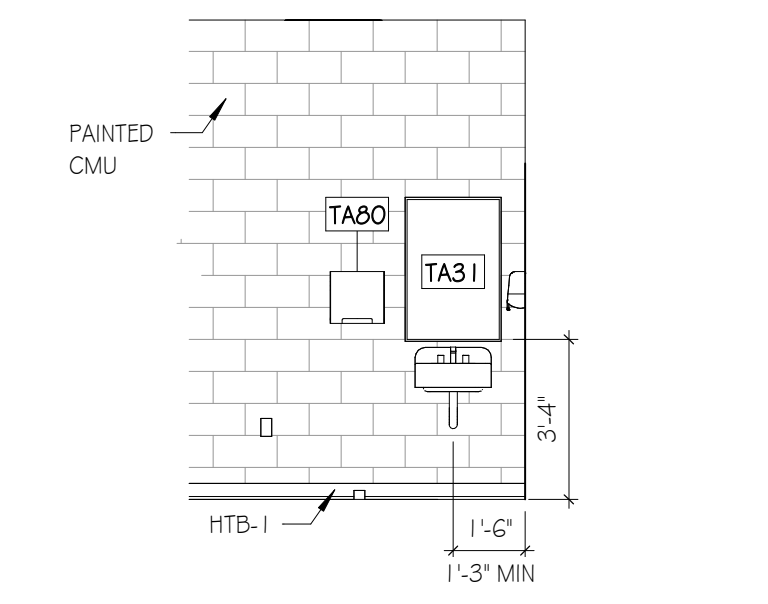
1 POOL EQUIPMENT RCP
SCALE: 1/4"=1'-0"



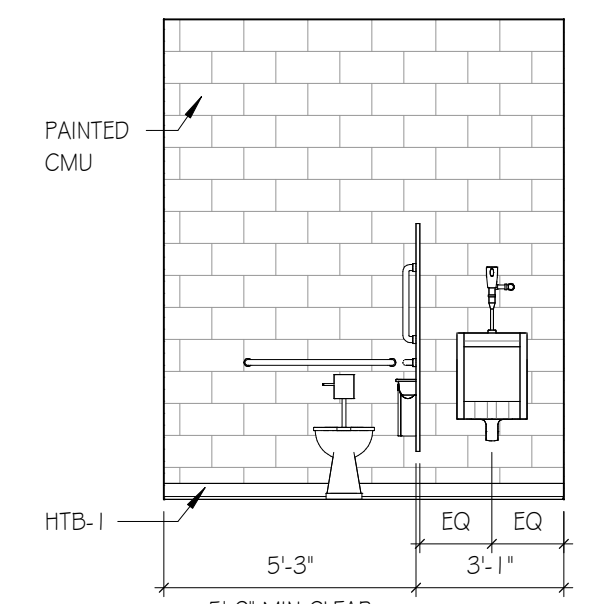
4 POOL EQUIPMENT BLDG - FINISH PLAN
SCALE: 1/4"=1'-0"



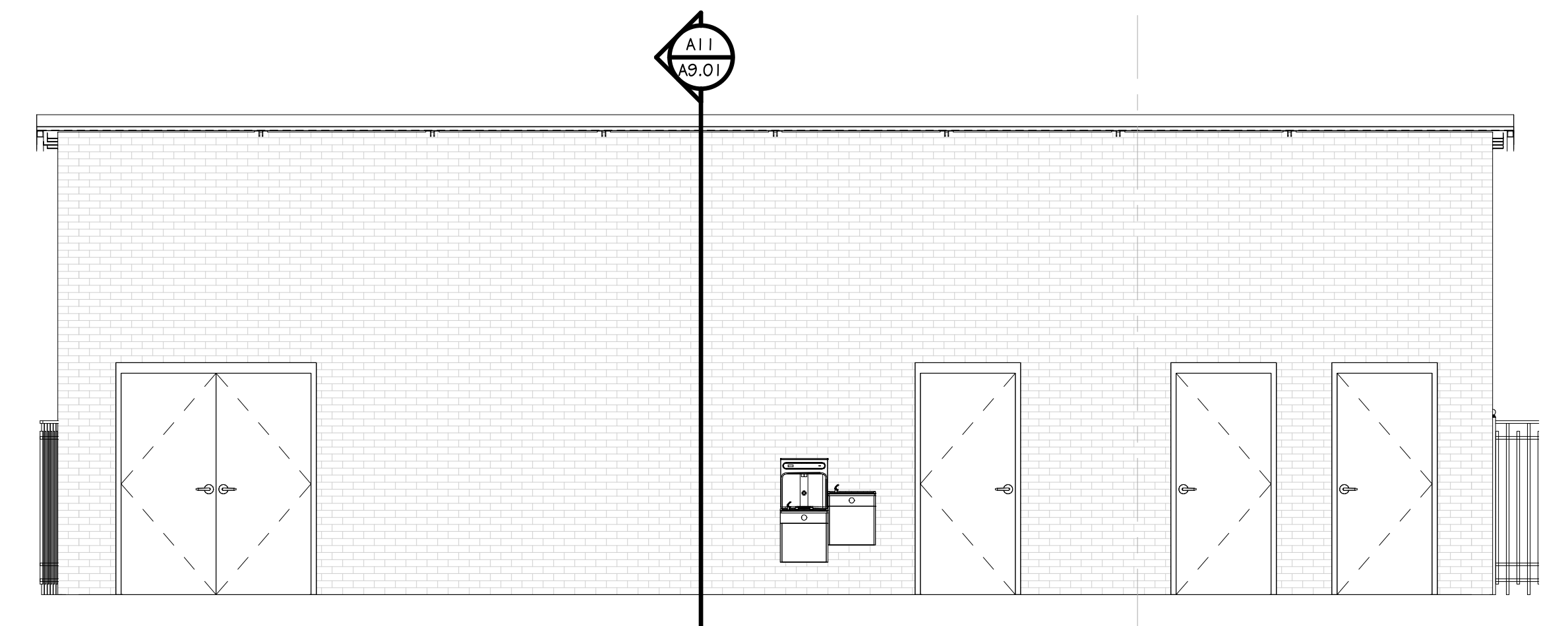
7 POOL EQUIP. BLDG. - ROOF DETAIL
SCALE: 3"=1'-0"



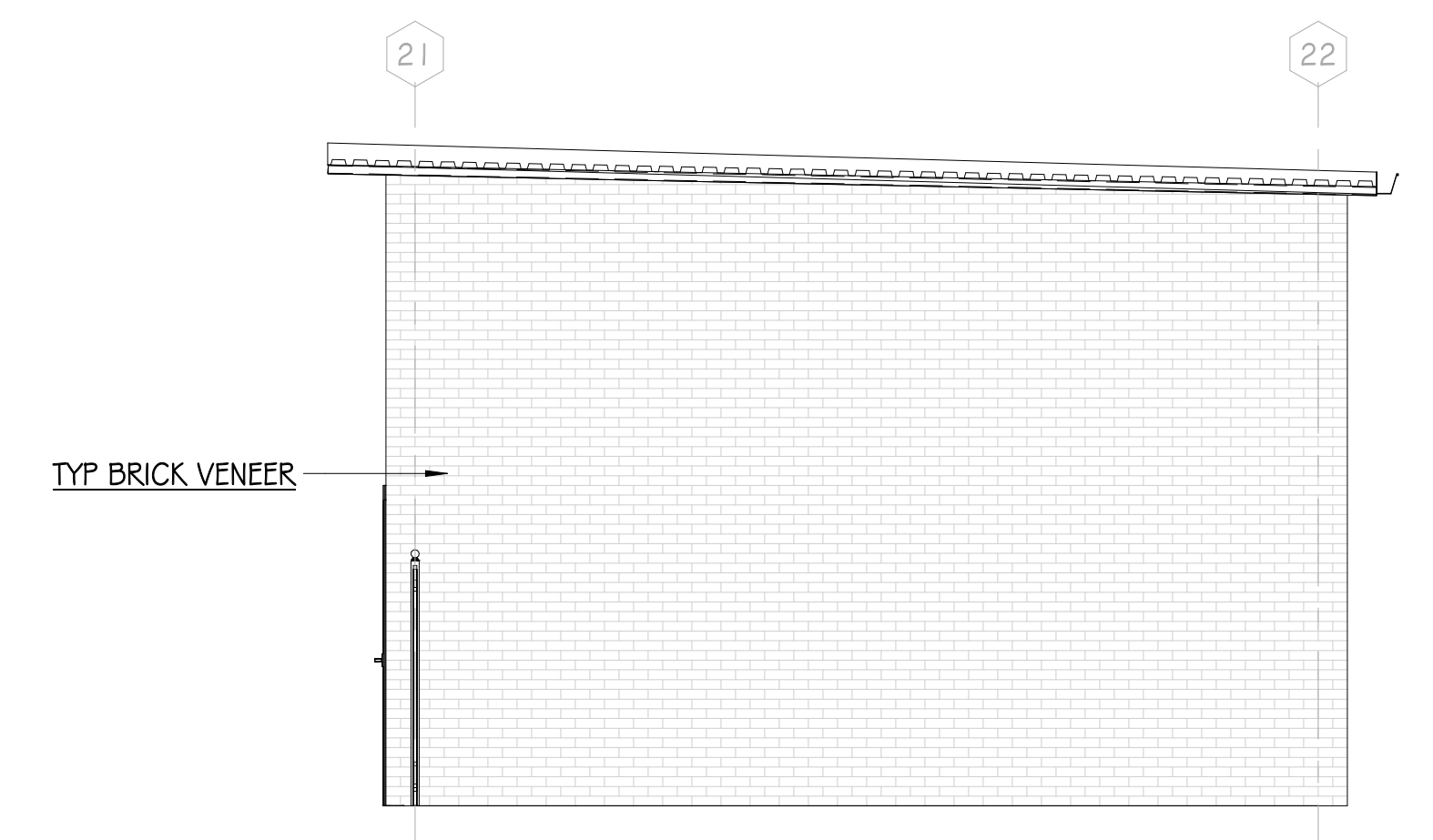
C1 MENS POOL RR - 1
SCALE: 1/4"=1'-0"



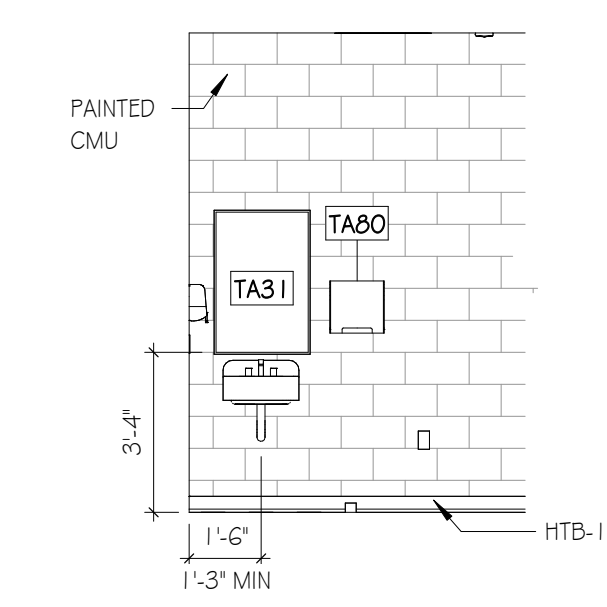
C2 MENS POOL RR - 2
SCALE: 1/4"=1'-0"



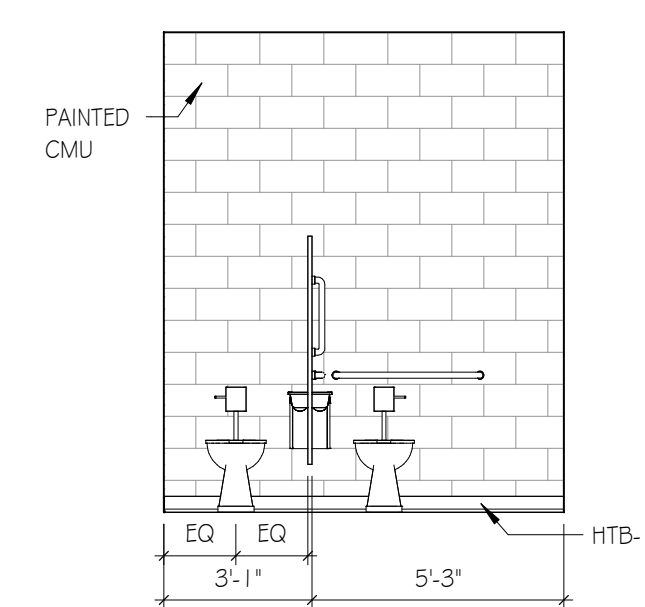
H5 WEST
SCALE: 1/4"=1'-0"



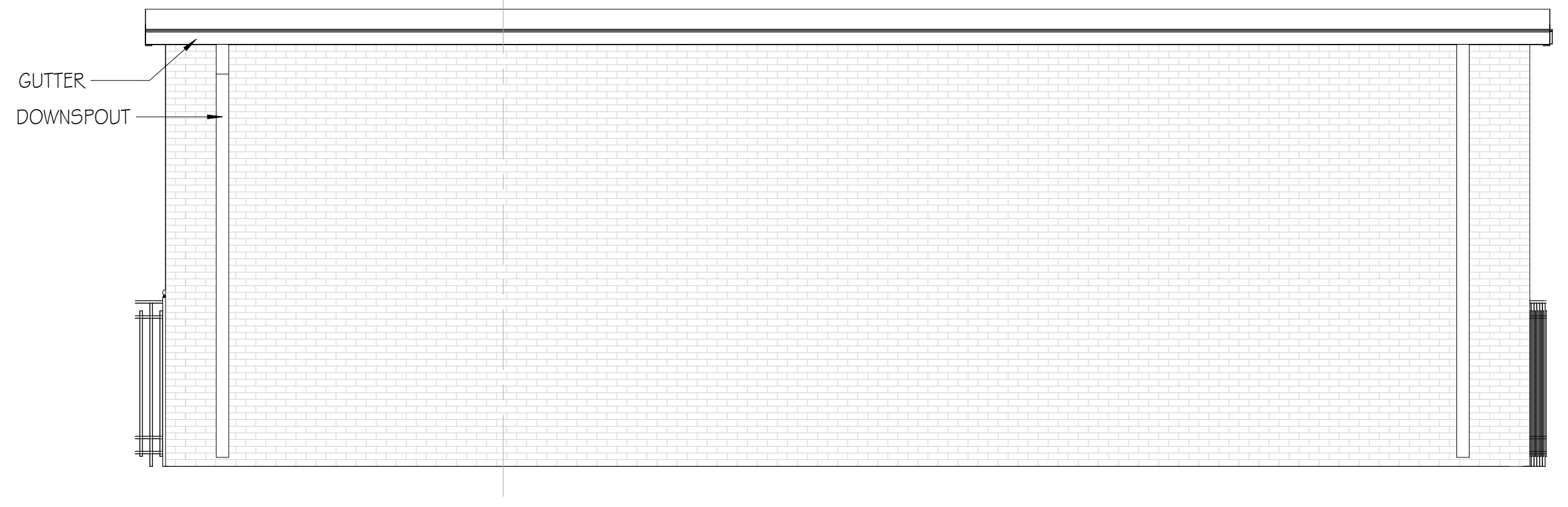
D5 SOUTH
SCALE: 1/4"=1'-0"



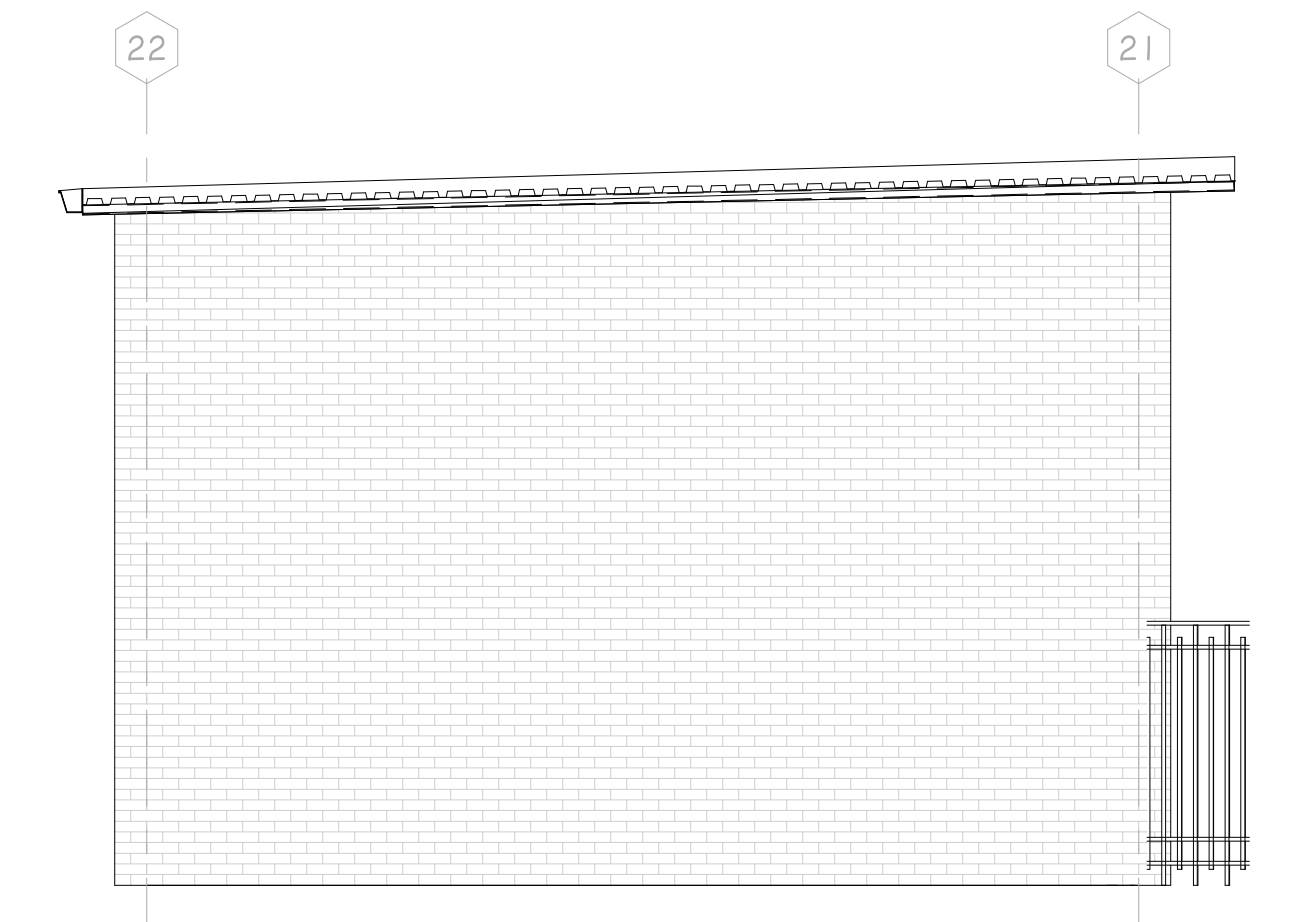
A1 WOMENS POOL RR - 1
SCALE: 1/4"=1'-0"



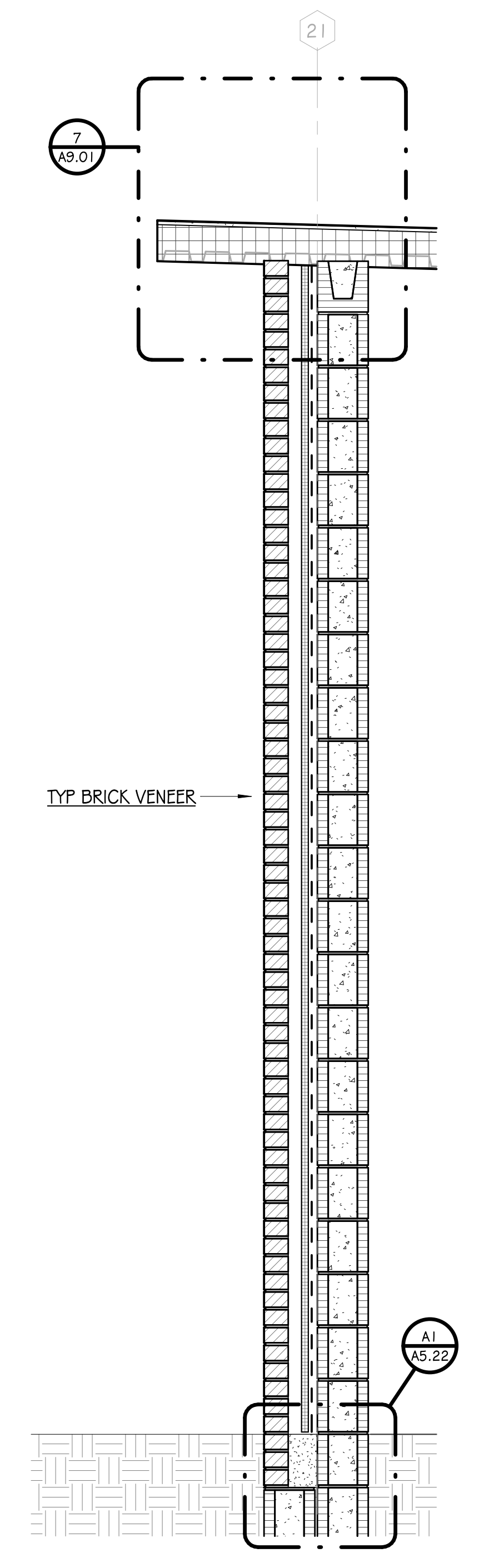
A2 WOMENS POOL RR - 2
SCALE: 1/4"=1'-0"



F5 EAST
SCALE: 1/4"=1'-0"

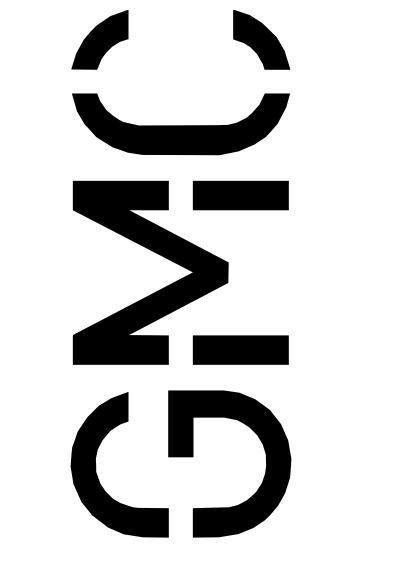


A5 NORTH
SCALE: 1/4"=1'-0"



A11 WEST - POOL EQUIP. BLDG.
SCALE: 3/4"=1'-0"

30-May-24 11:49:45 TEMPLATE VERSION: 2023.1




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RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA

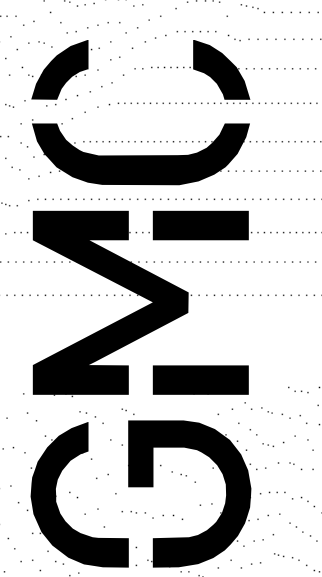
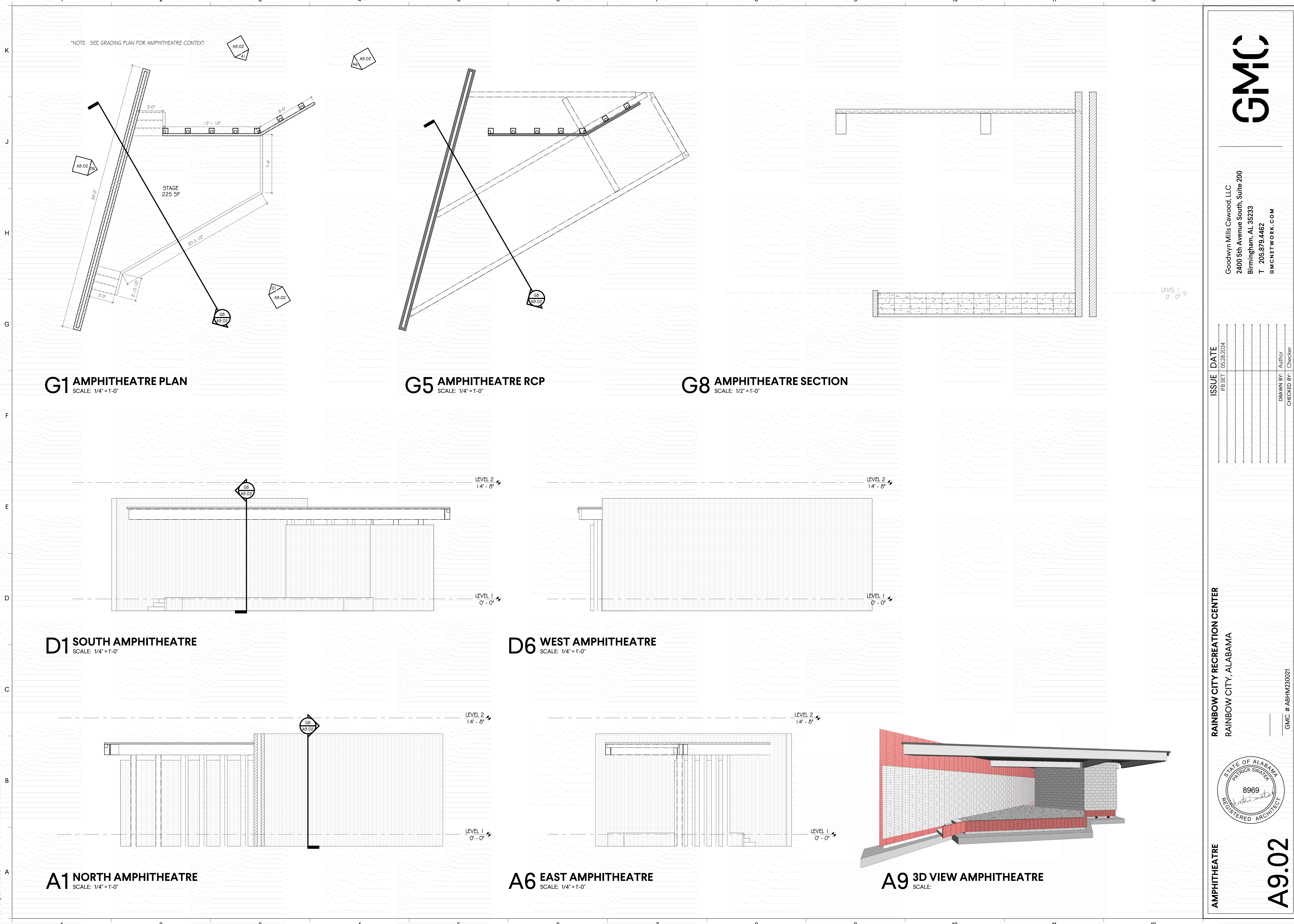


POOL EQUIPMENT BUILDING

A9.01

GMC # ABHM230021

*NOTE: SEE GRADING PLAN FOR AMPHITHEATRE CONTEXT



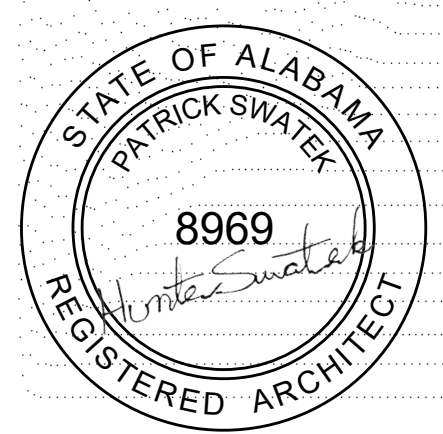
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RAINBOW CITY RECREATION CENTER
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GMC # ABHM230021



AMPHITHEATRE

A9.02

30-May-24 11:49:50 TEMPLATE VERSION: 2023.1

2018 IBC - SCHEDULE OF SPECIAL INSPECTIONS. Table with columns: MATERIALS/ACTIVITY, EXTENT, INSTRUCTIONS/FREQUENCY. Includes sections for Fabrication, Steel Construction, Welding, Masonry, and Concrete.

2018 IBC - SCHEDULE OF SPECIAL INSPECTIONS. Table with columns: MATERIALS/ACTIVITY, EXTENT, INSTRUCTIONS/FREQUENCY. Includes sections for Steel Deck, Steel Joists, Cold-Formed Steel, and Reinforcing Steel.

2018 IBC - SCHEDULE OF SPECIAL INSPECTIONS. Table with columns: MATERIALS/ACTIVITY, EXTENT, INSTRUCTIONS/FREQUENCY. Includes sections for Prestressing, Masonry, and Concrete.

2018 IBC - SCHEDULE OF SPECIAL INSPECTIONS. Table with columns: MATERIALS/ACTIVITY, EXTENT, INSTRUCTIONS/FREQUENCY. Includes sections for Masonry, Concrete, and Steel Deck.

Vertical sidebar containing GMC logo, address (Goodwyn Mills Caewood, LLC), contact information, and a circular professional seal for a structural engineer.

FOOTING TENSION LAP SPLICE LENGTH

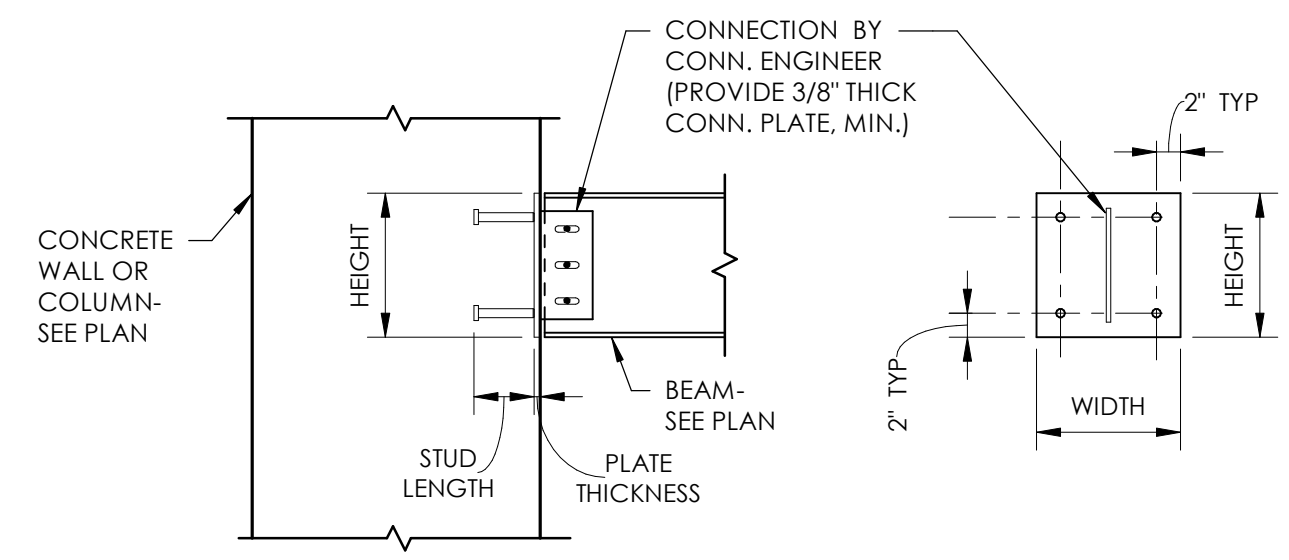
BAR SIZE	f _c = 3000 PSI	
	TOP BARS	OTHER BARS
#3	28"	22"
#4	37"	29"
#5	47"	36"
#6	56"	43"
#7	81"	63"
#8	93"	72"
#9	105"	81"
#10	118"	91"
#11	131"	101"

TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW THE REINF.

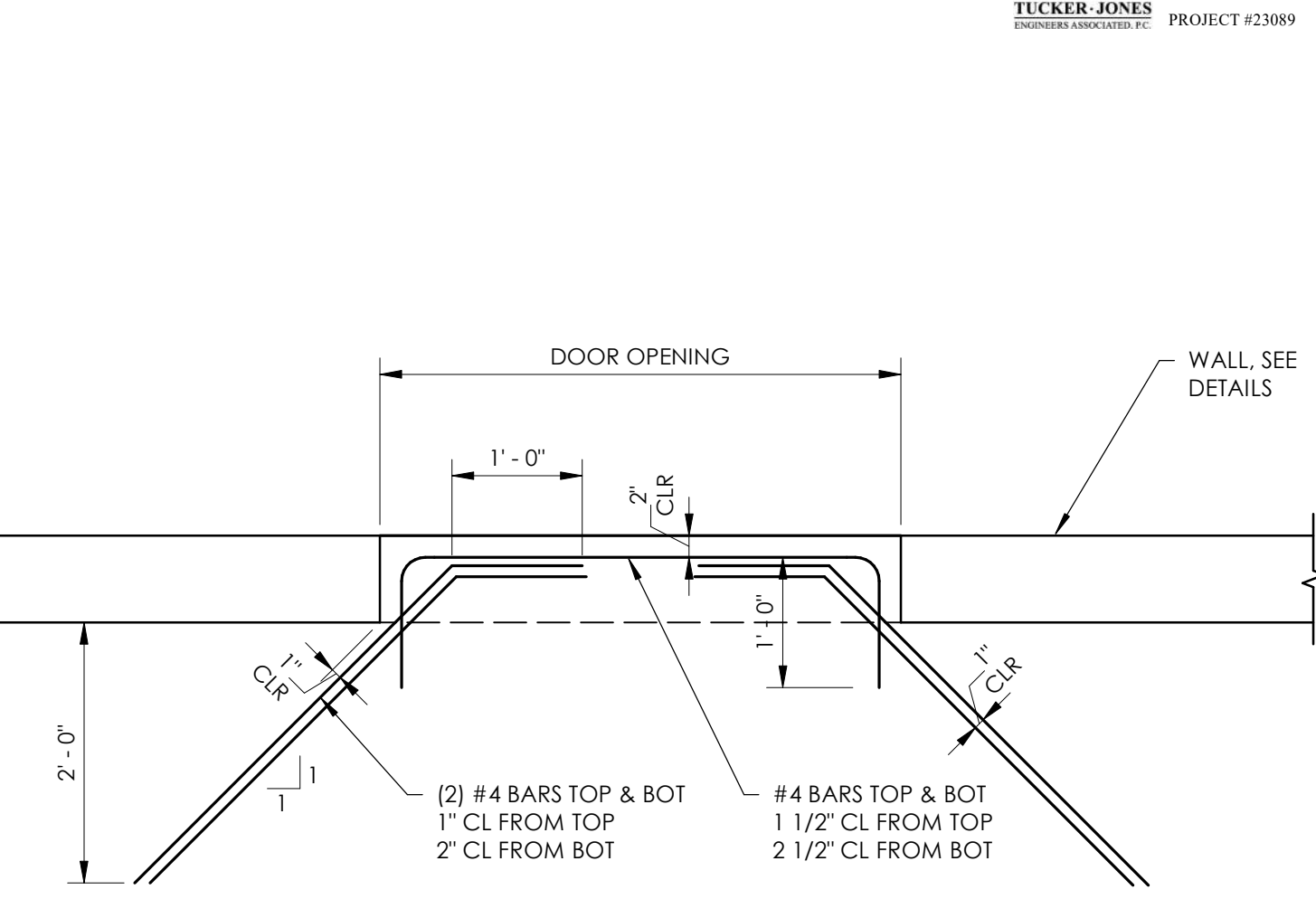
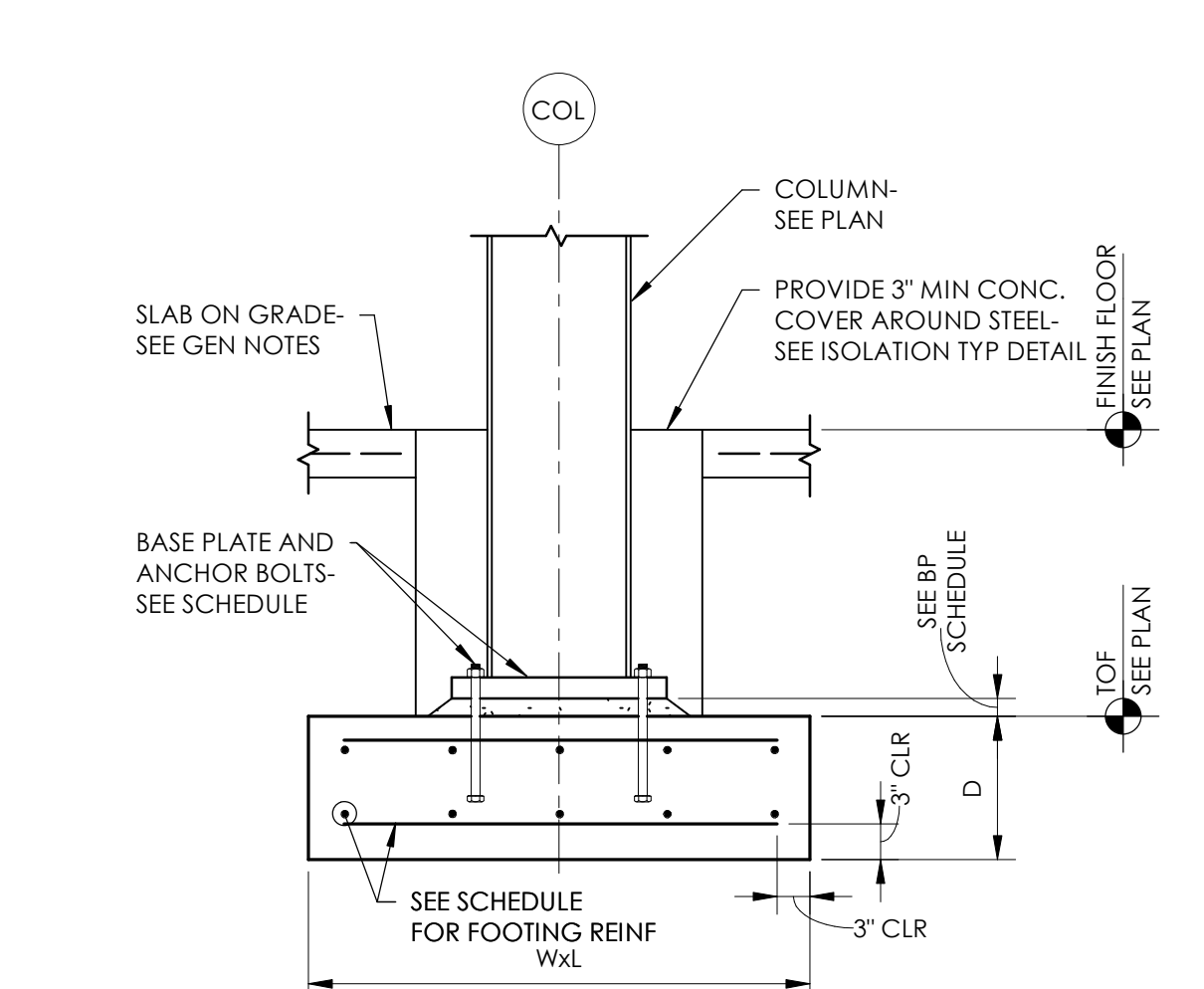
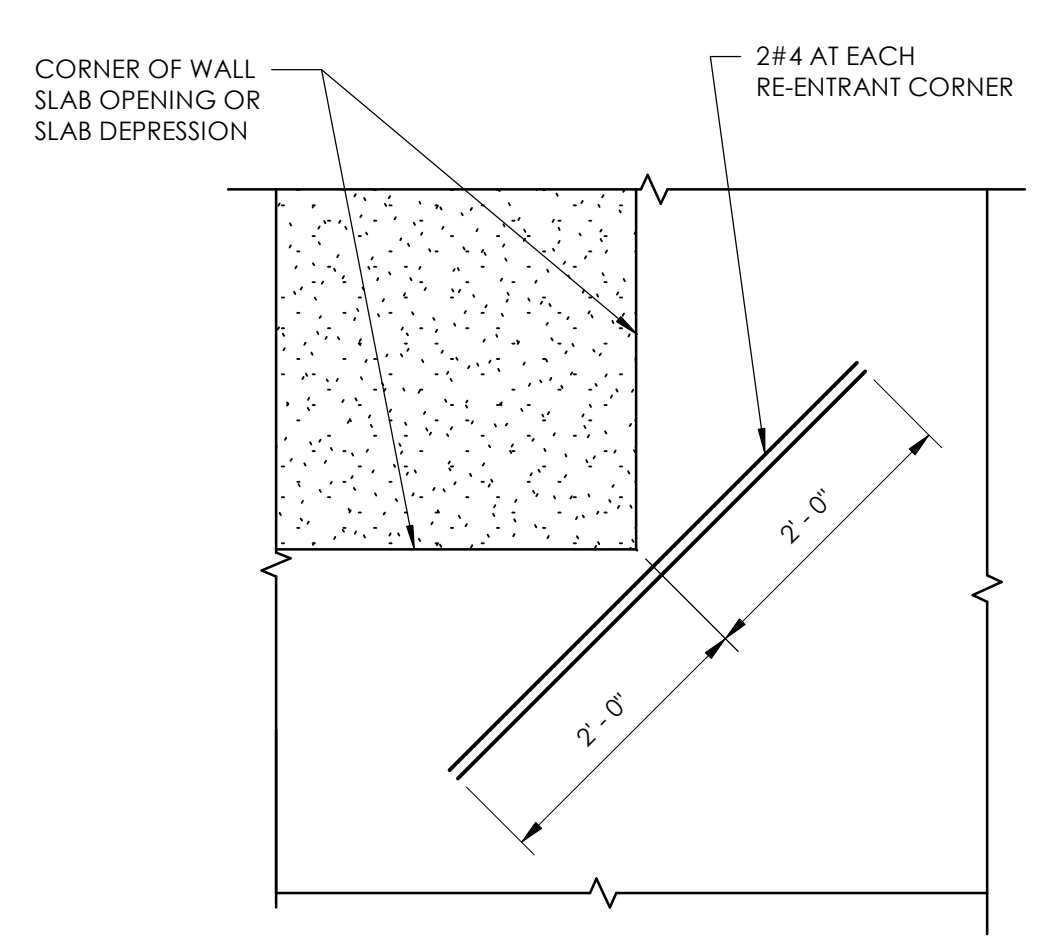
SLAB/WALL TENSION LAP SPLICE LENGTH

BAR SIZE	f _c = 3000 PSI		f _c = 4000 PSI	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
#3	17"	13"	15"	12"
#4	28"	22"	24"	19"
#5	41"	32"	36"	28"
#6	56"	43"	48"	37"
#7	90"	69"	78"	60"
#8	111"	86"	96"	74"
#9	135"	104"	117"	90"
#10	162"	125"	140"	108"
#11	190"	146"	165"	127"

TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW THE REINF.



BEAM SIZE	PLATE DIMENSIONS			HEADED STUDS			
	HEIGHT	WIDTH	THICKNESS	DIAMETER	LENGTH	STUD TOTAL	
W10X19	1'-0"	1'-0"	1/2"	3/4"Ø	6"	3	4
W12X19	1'-6"	1'-4"	1/2"	3/4"Ø	6"	4	4
W16X31	1'-6"	1'-4"	1/2"	3/4"Ø	6"	4	4

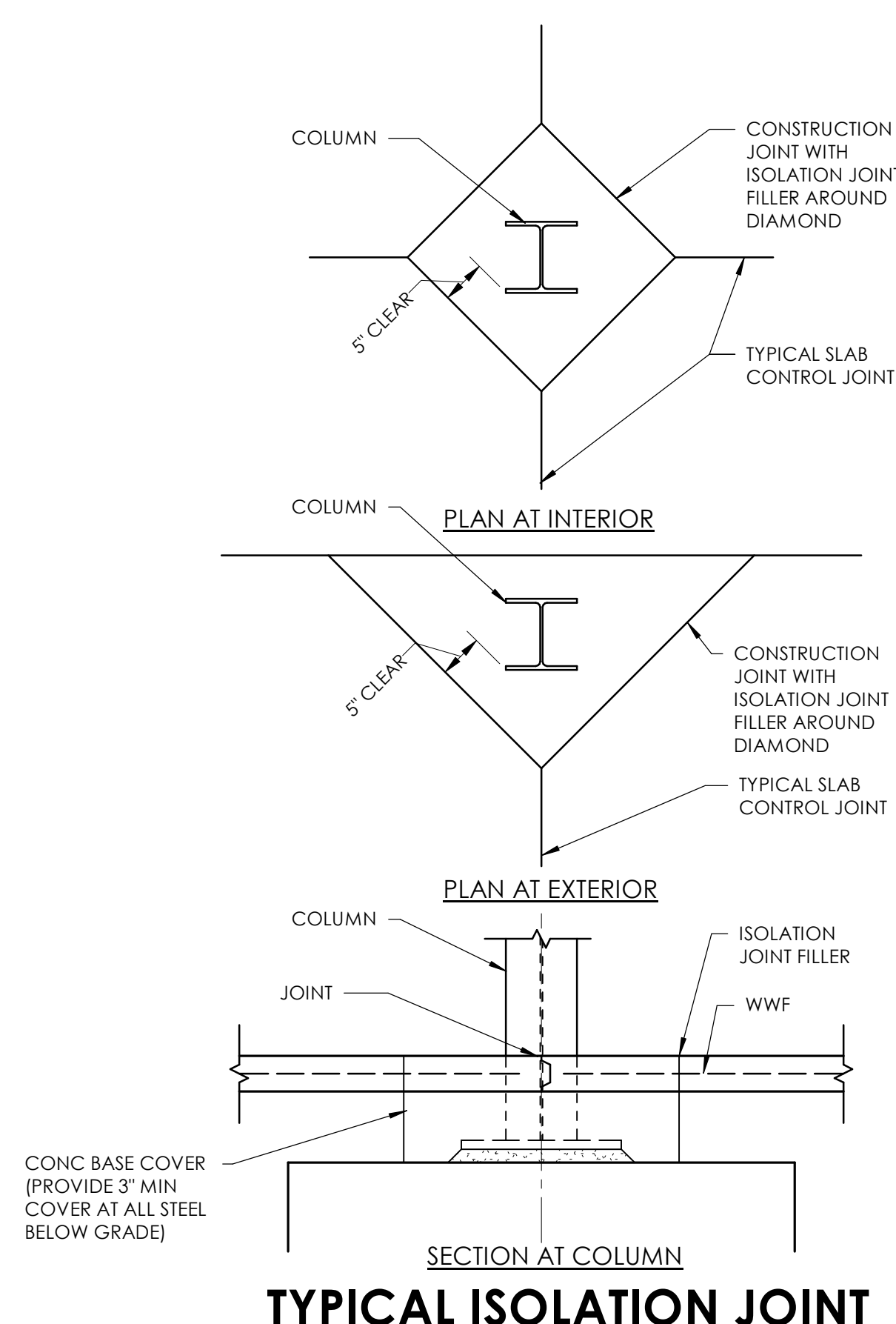


BEAM EMBED PLATE TYPICAL DETAIL

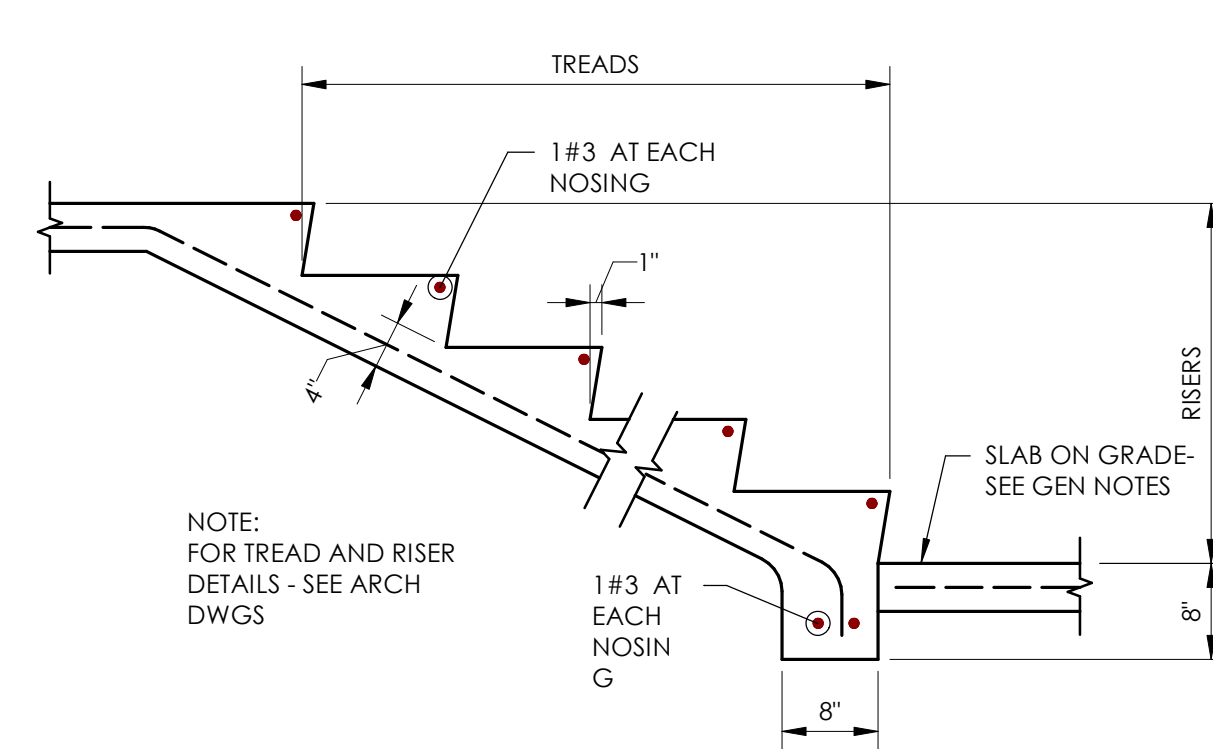
TYPICAL RE-ENTRANT SLAB CORNER REINFORCING DETAIL

TYPICAL COLUMN BASE & FOOTING DETAIL

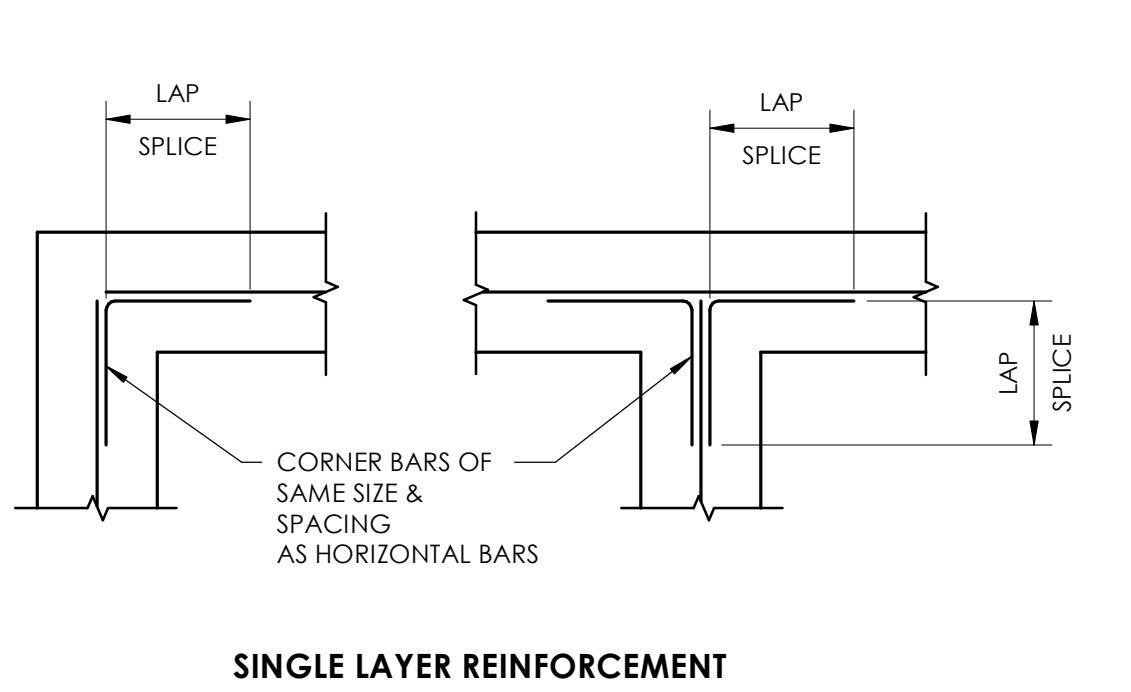
TYPICAL SLAB REINFORCEMENT AT DOOR DETAIL



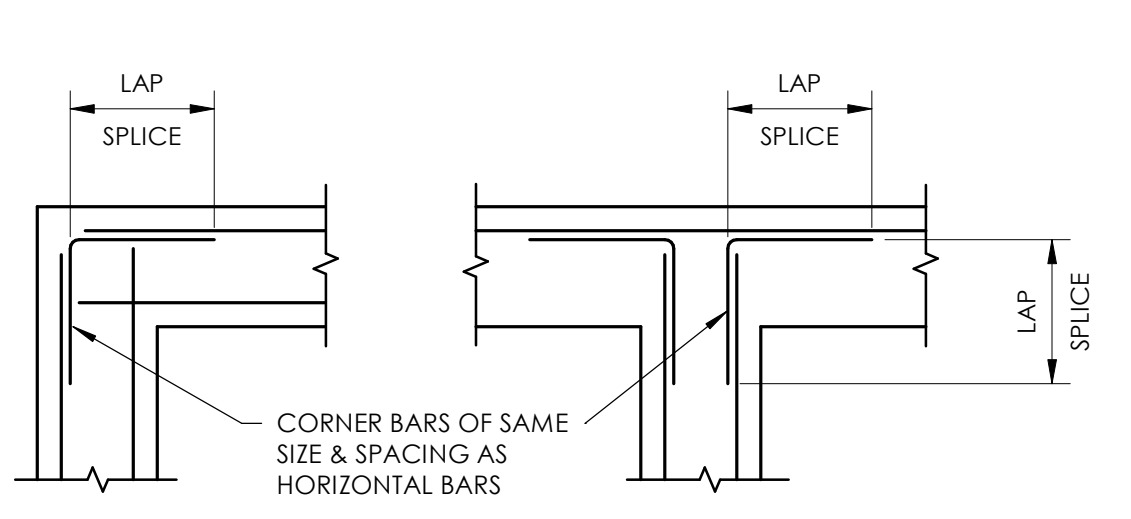
TYPICAL ISOLATION JOINT



TYPICAL STAIR ON GRADE

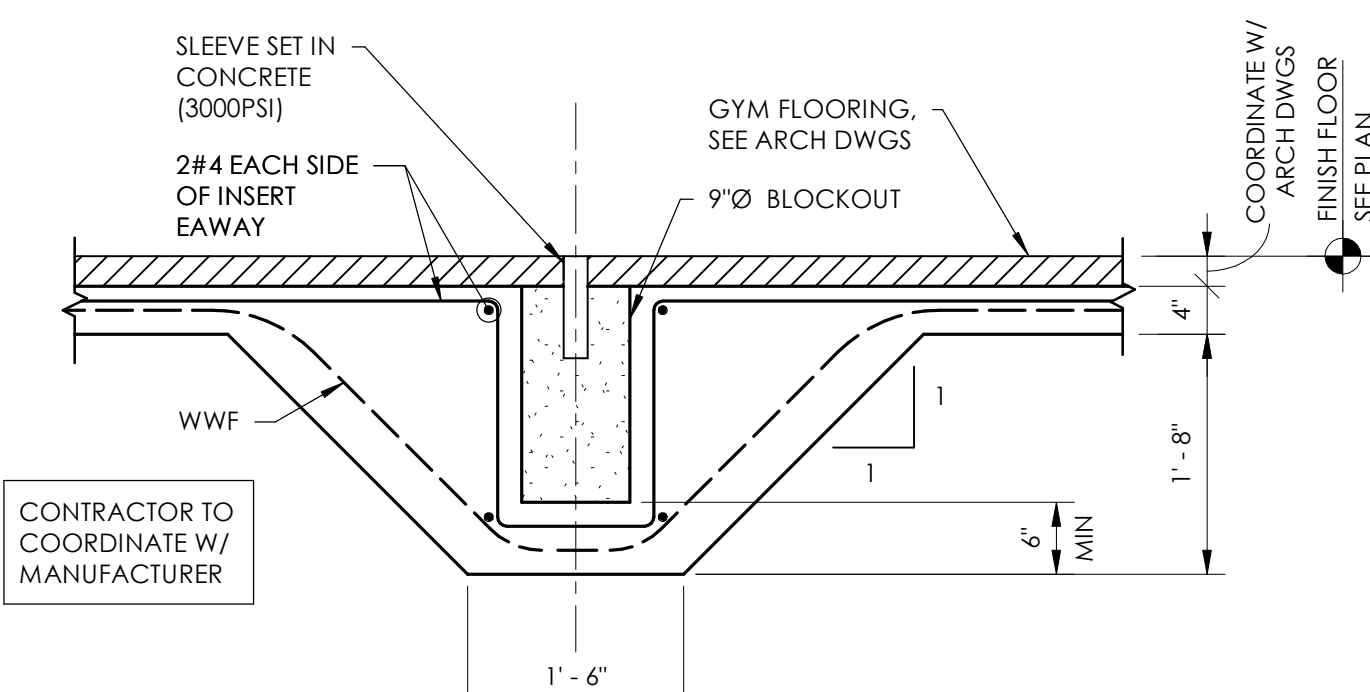


SINGLE LAYER REINFORCEMENT

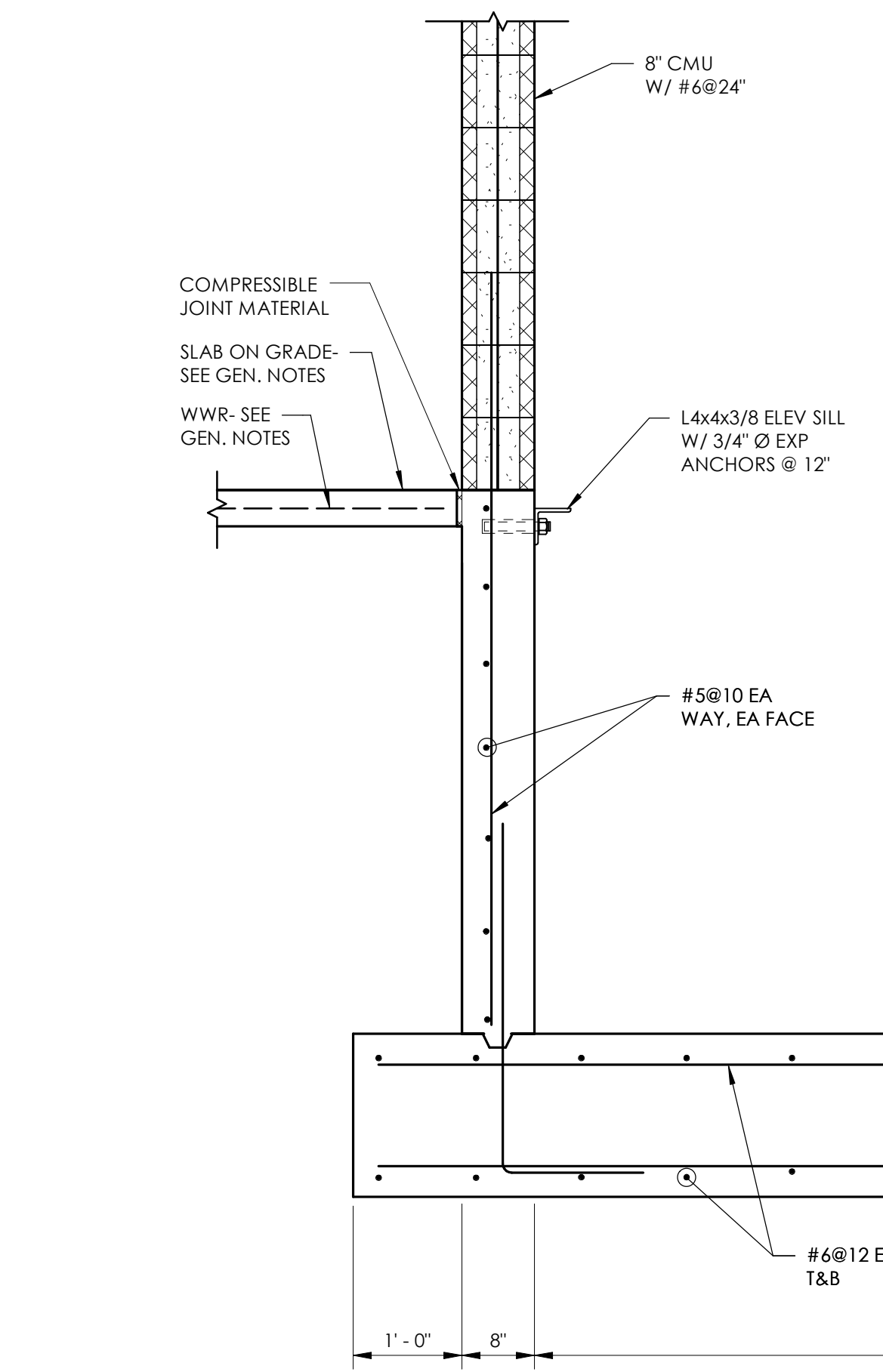
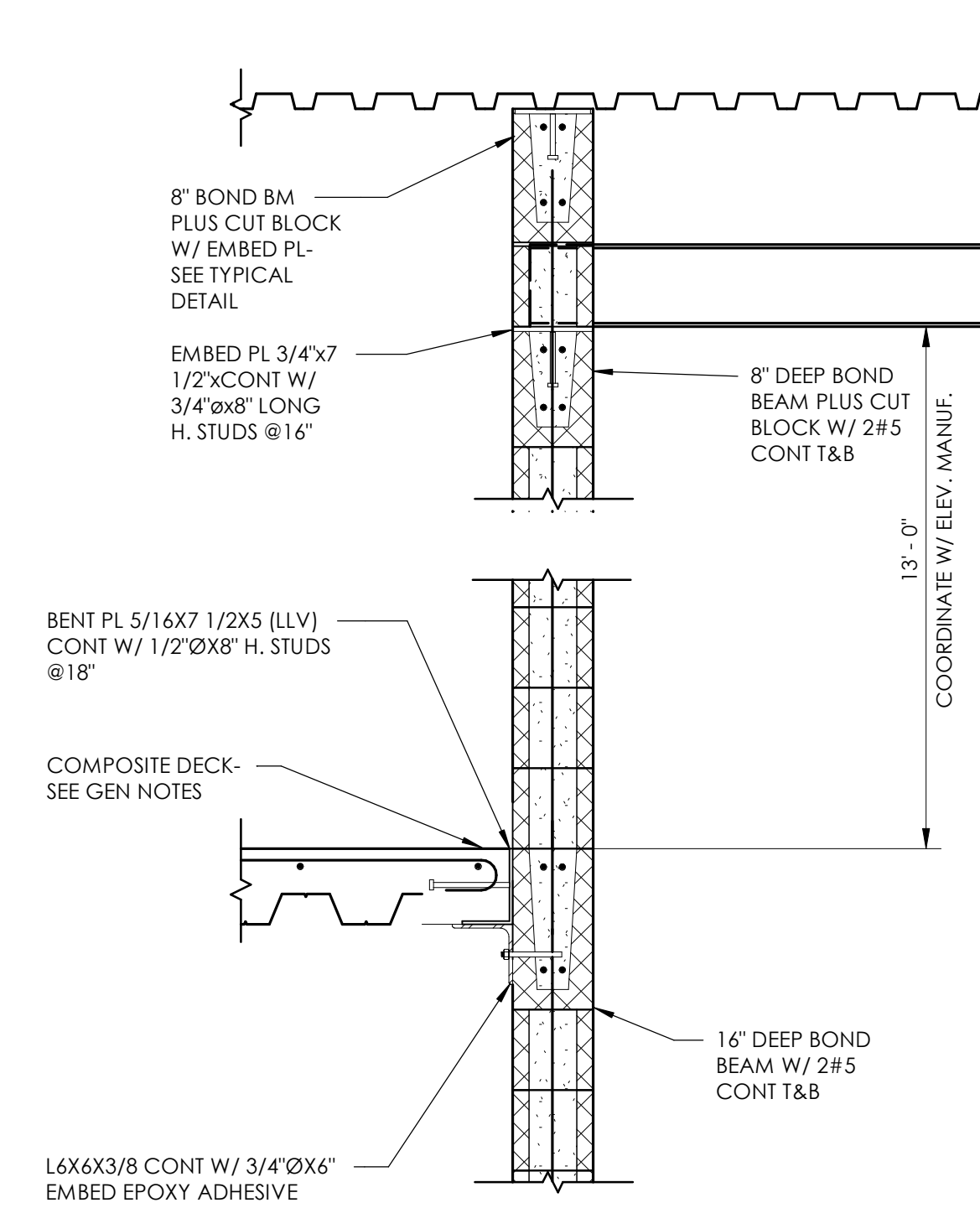


DOUBLE LAYER REINFORCEMENT

TYPICAL WALL CORNER REINFORCING DETAIL

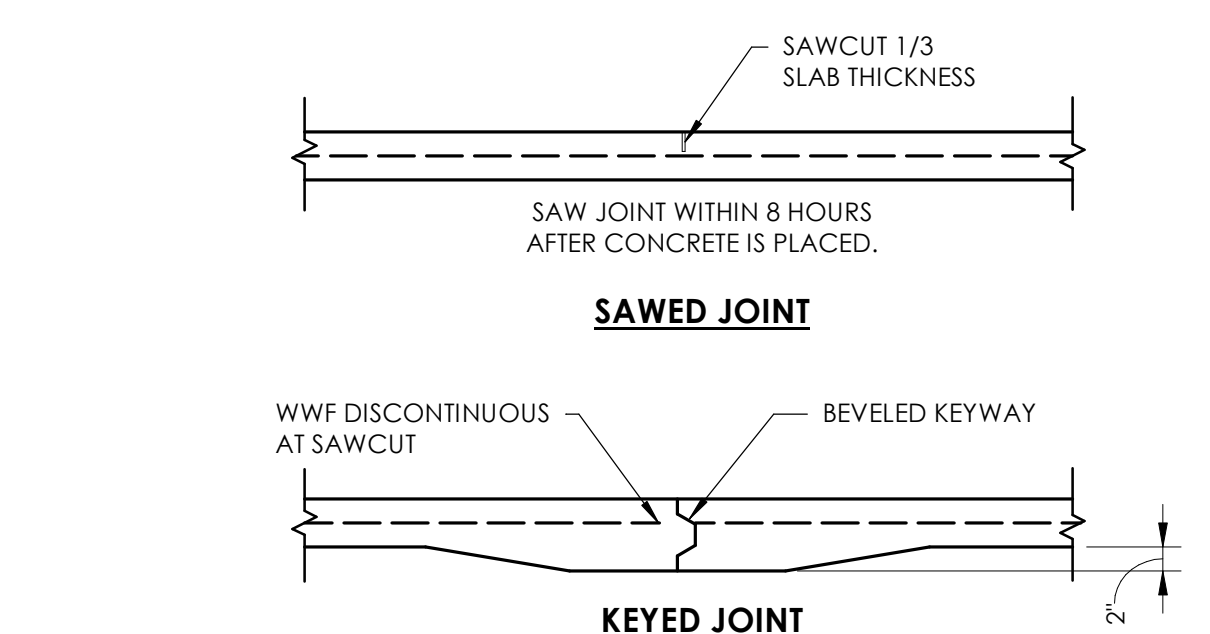


TYPICAL GYM FLOOR VOLLEYBALL SLEEVE DETAIL

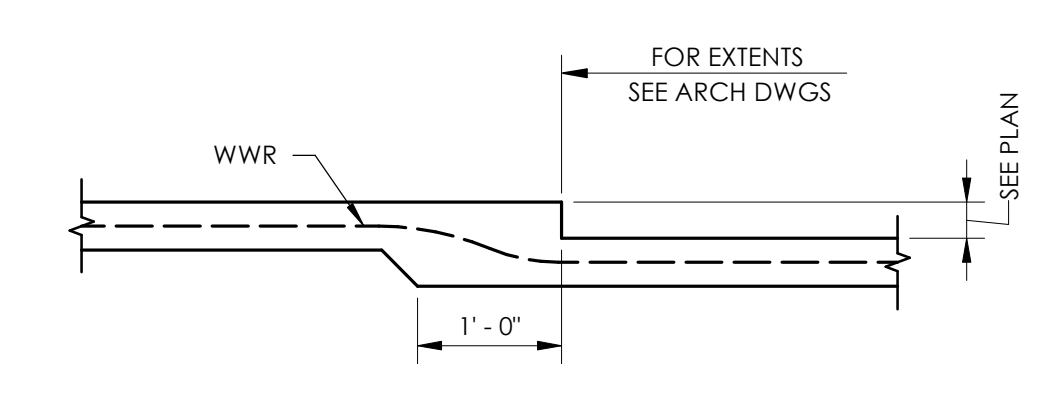


TYPICAL ELEVATOR PIT

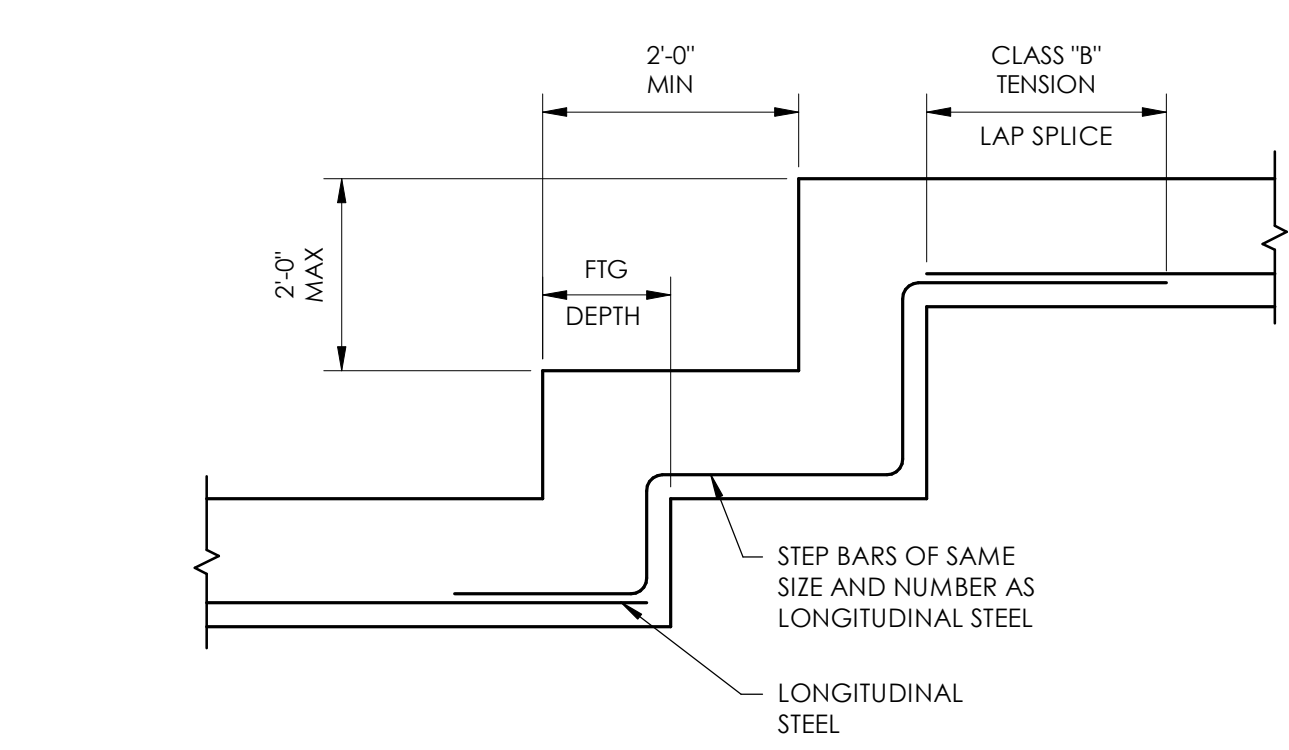
NOTE: 1. ALL CMU AT ELEVATOR SHAFT SHALL BE FULLY GROUTED



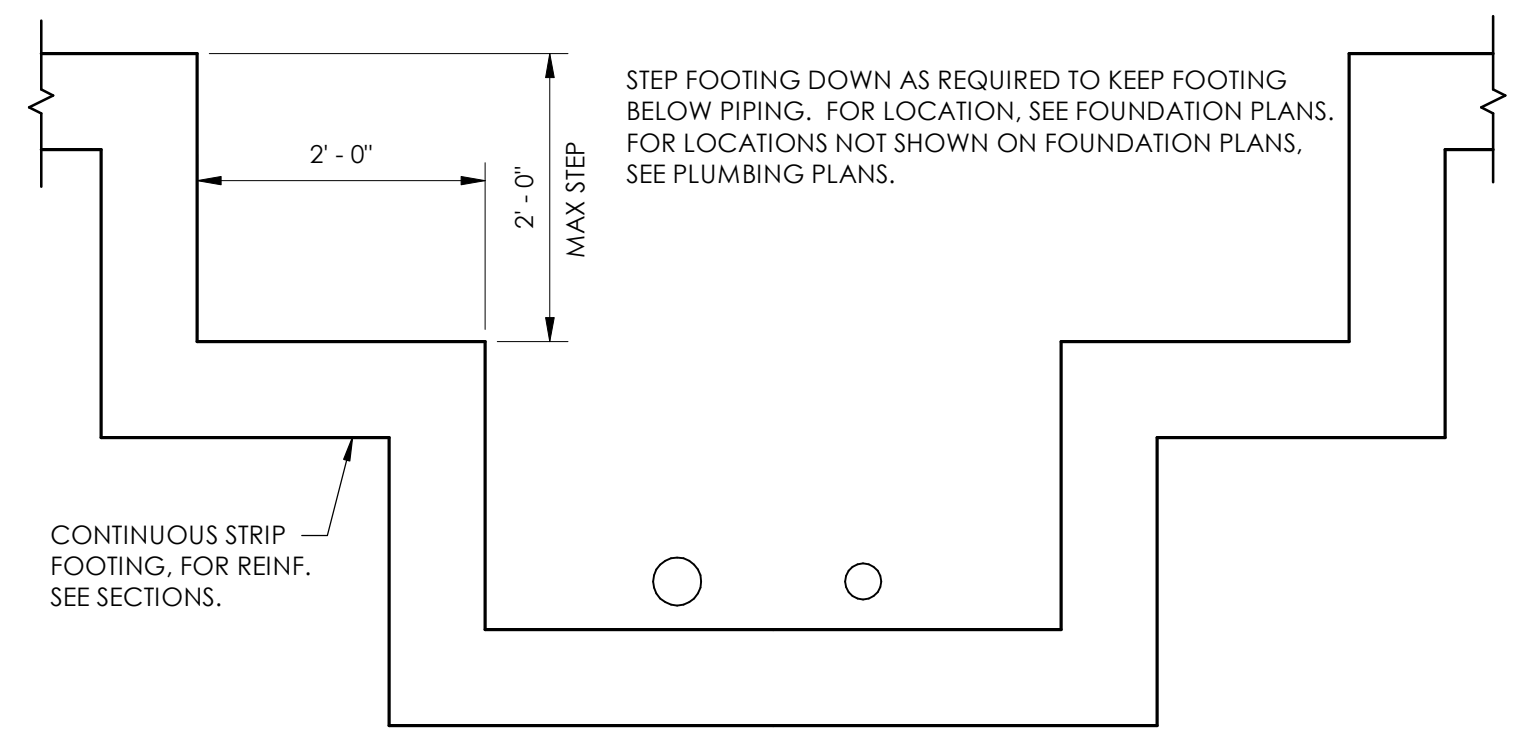
TYPICAL 4" SLAB CONTROL JOINT
JOINT TYPE IS OPTIONAL



TYPICAL DEPRESSED SLAB ON GRADE



TYPICAL FOOTING STEP



TYPICAL FOUNDATION WALL AT PIPING

GMC

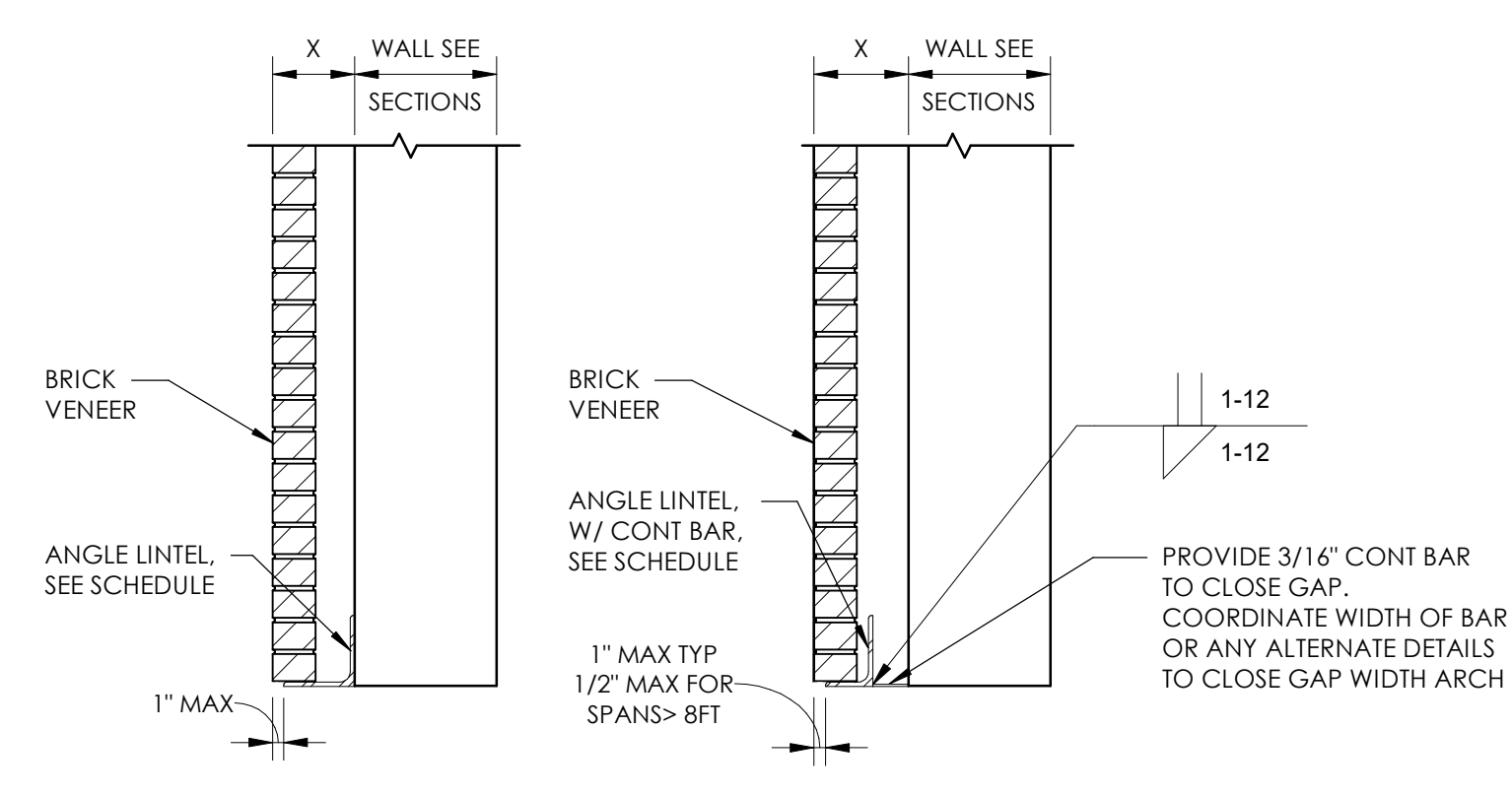
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RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA



S1.03



BRICK LOOSE LINTEL SCHEDULE	
CLEAR SPAN	X = 8"
UP TO 6'-0"	L7X4X3/8 (LH)

- NOTES:
- DO NOT USE THIS SCHEDULE IF A CONCENTRATED LOAD IS APPLIED TO THE LINTEL AT A HEIGHT LESS THAN HALF THE SPAN ABOVE THE LINTEL.
 - PROVIDE 8" MINIMUM BEARING FOR ALL LINTELS.
 - ALL EXPOSED LINTELS SHALL BE GALVANIZED.
 - VERTICAL CONTROL JOINTS IN THE BRICK WITHIN DISTANCE OF CLEAR SPAN/2 FROM THE ROUGH OPENING ARE NOT ALLOWED.

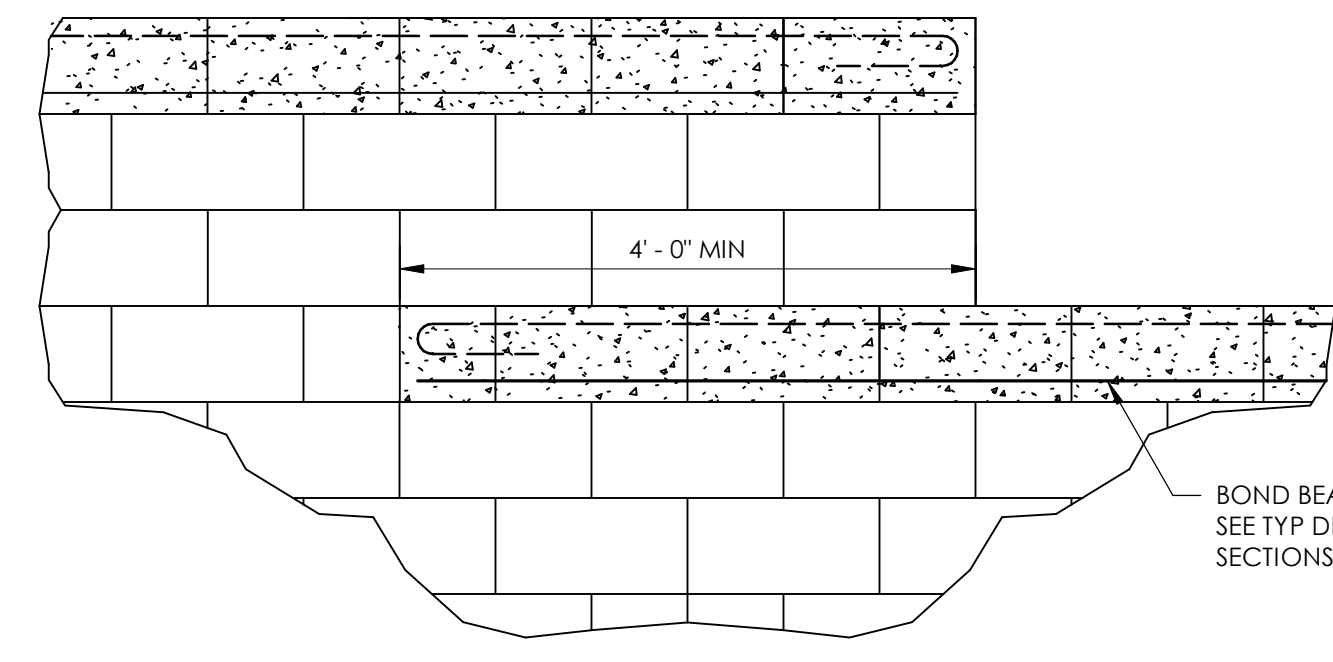
MASONRY WALL LAP SPLICE SCHEDULE

BAR Ø	8" WIDE WALLS		12" WIDE WALLS	
	f _m = 2000psi			
#4	15"	12"		
#5	24"	15"		
#6	44"	28"		
#7	61"	38"		
#8	91"	57"		

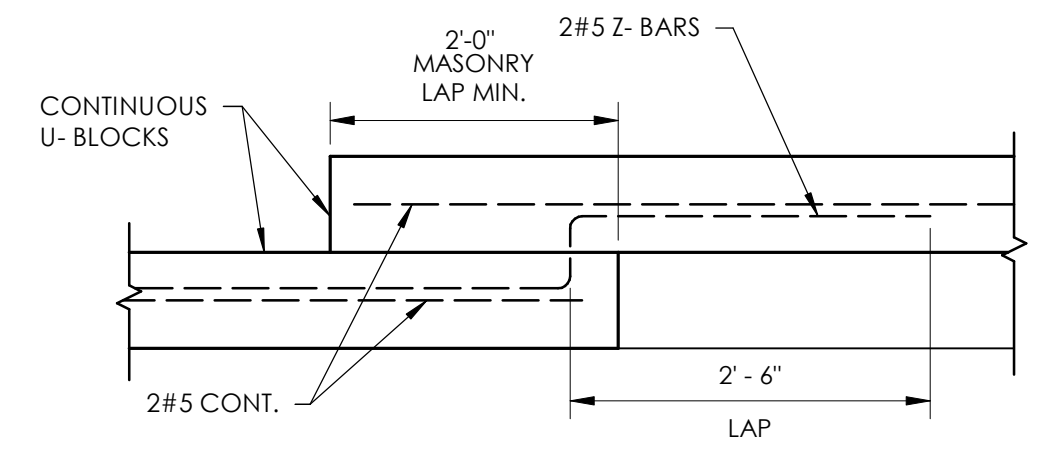
MASONRY LINTEL SCHEDULE

MAXIMUM OPENING WIDTH	LINTEL DIMENSIONS & REINFORCING	
	DEPTH	12" WALL
2'-0"	8	1#4 BOT
4'-0"	8	2#4 BOT
6'-0"	8	2#5 BOT & 2#4 TOP
8'-0"	16	2#5 BOT & 2#5 TOP
10'-0"	16	2#6 BOT & 2#5 TOP

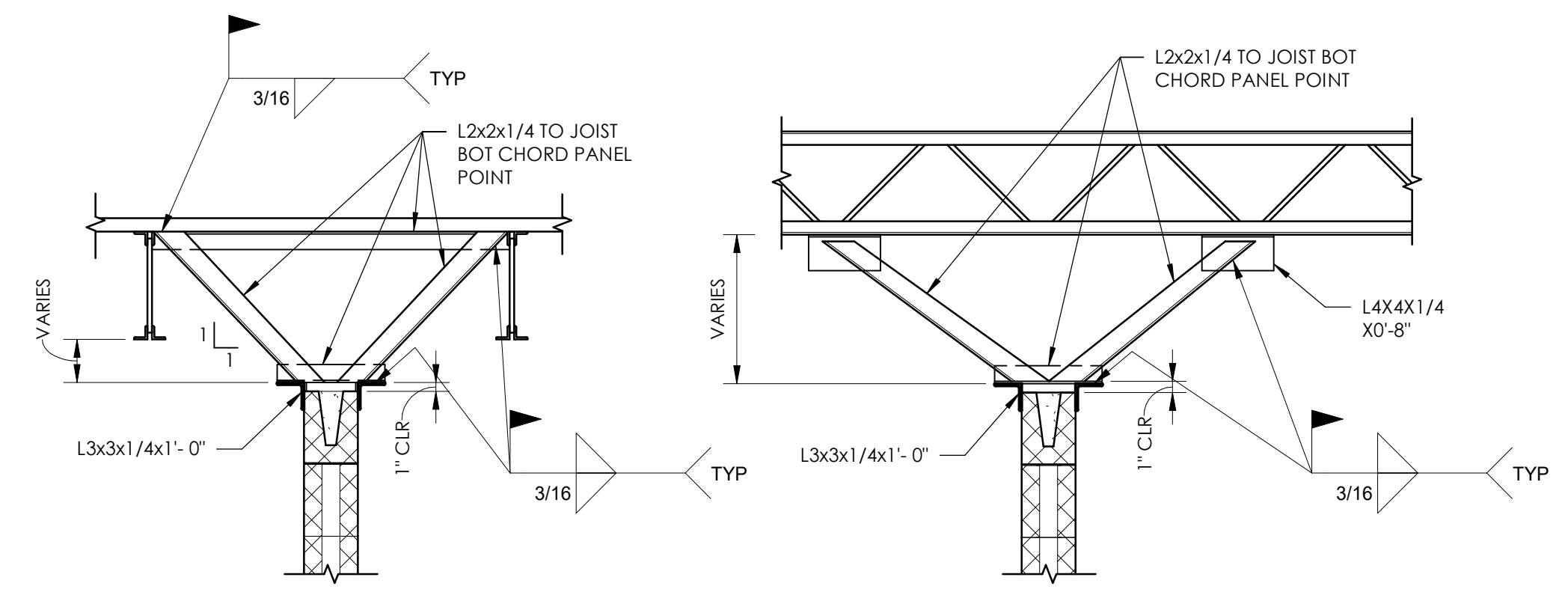
- DO NOT USE THIS SCHEDULE IF CONCENTRATED LOAD IS APPLIED TO THE LINTEL AT A HEIGHT LESS THAN HALF THE SPAN ABOVE THE LINTEL.
- PROVIDE 8" MINIMUM BEARING FOR ALL LINTELS.
- HOOK VERTICAL BARS INTO BOND BEAMS TO ACHIEVE ADEQUATE DEVELOPMENT LENGTH.



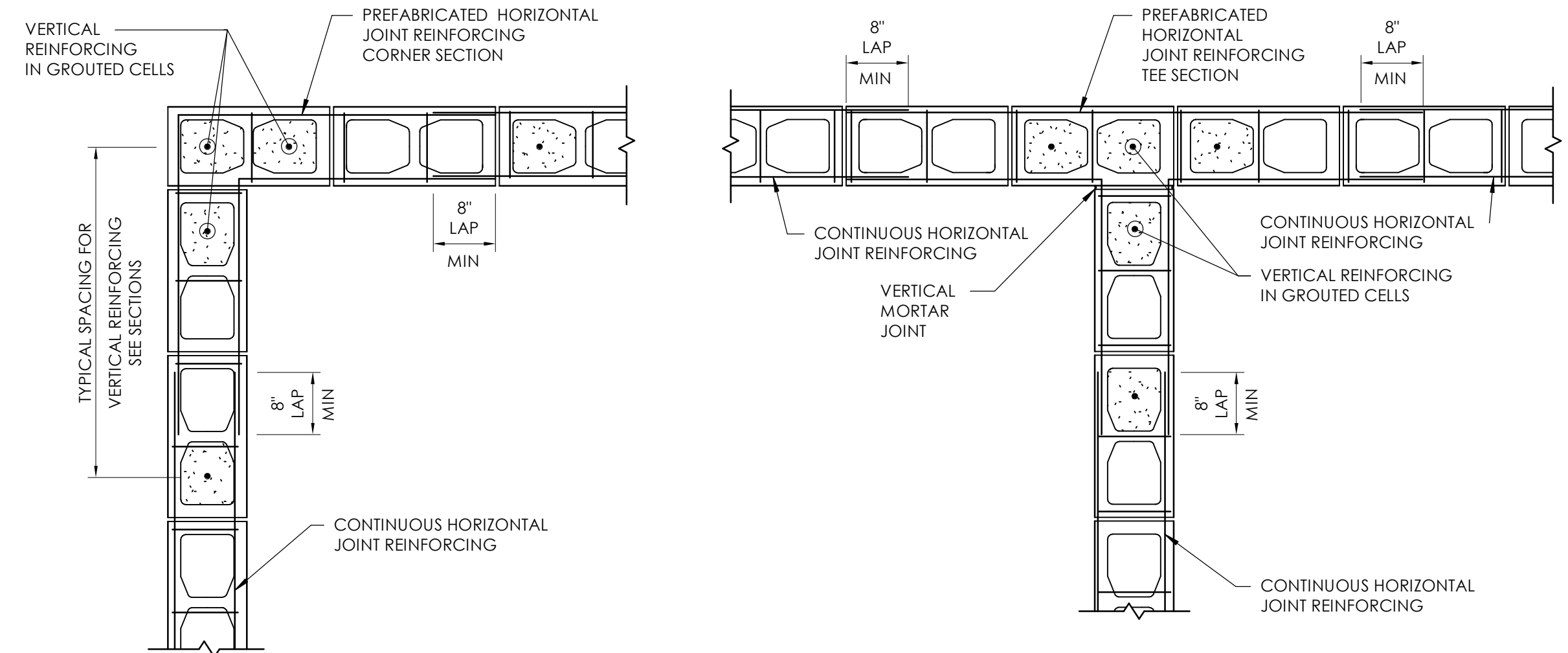
TYPICAL BOND BEAM AT WALL STEP DETAIL



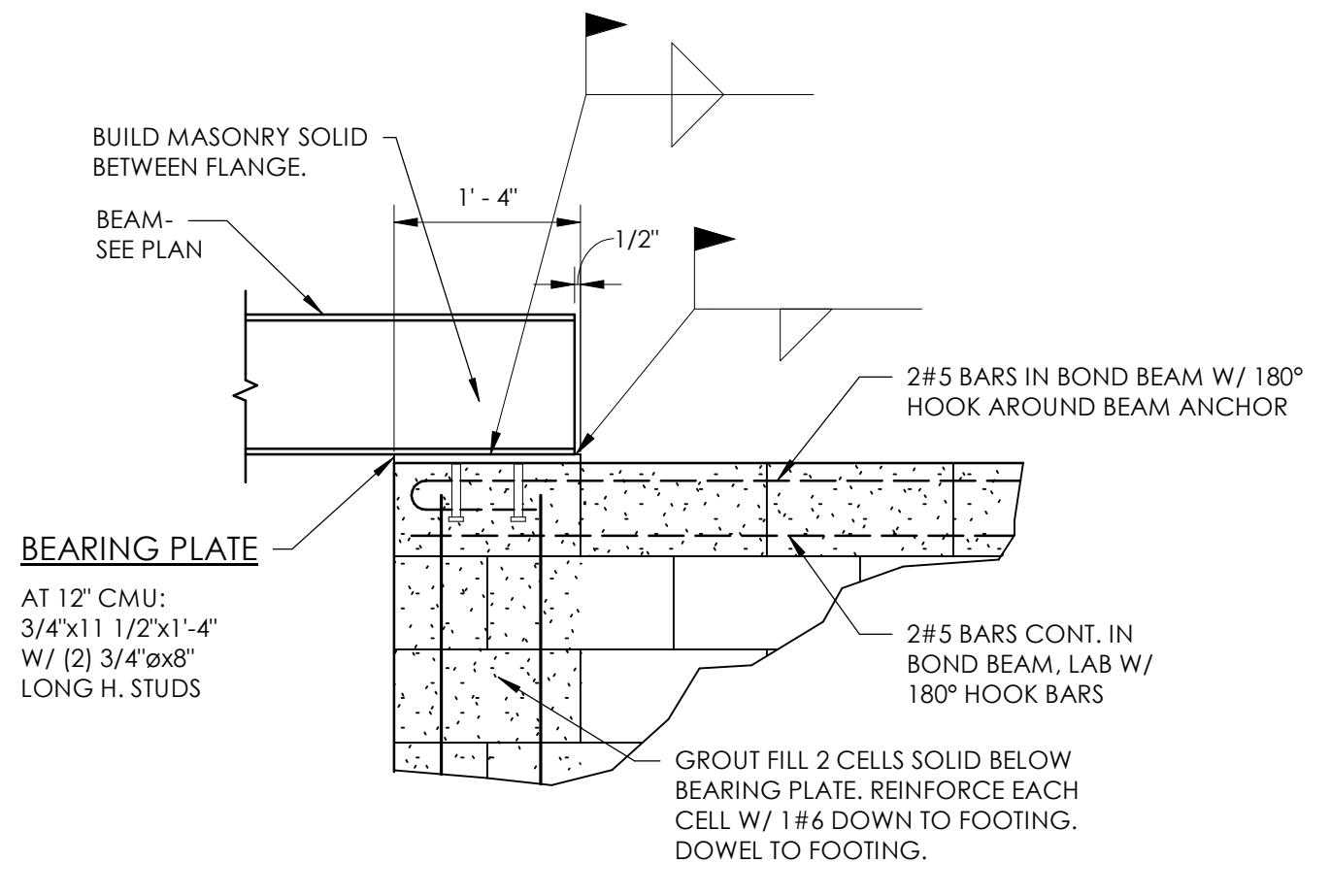
TYPICAL BOND BEAM STEP DETAIL



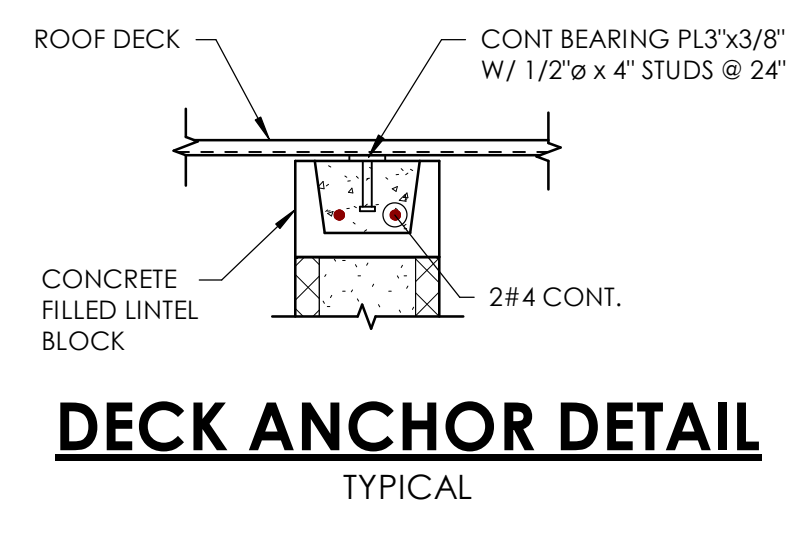
TYPICAL PARTITION ANCHORAGE DETAILS
(FOR UNBRACED MASONRY PARTITIONS EXCEEDING 24'-0" IN LENGTH)



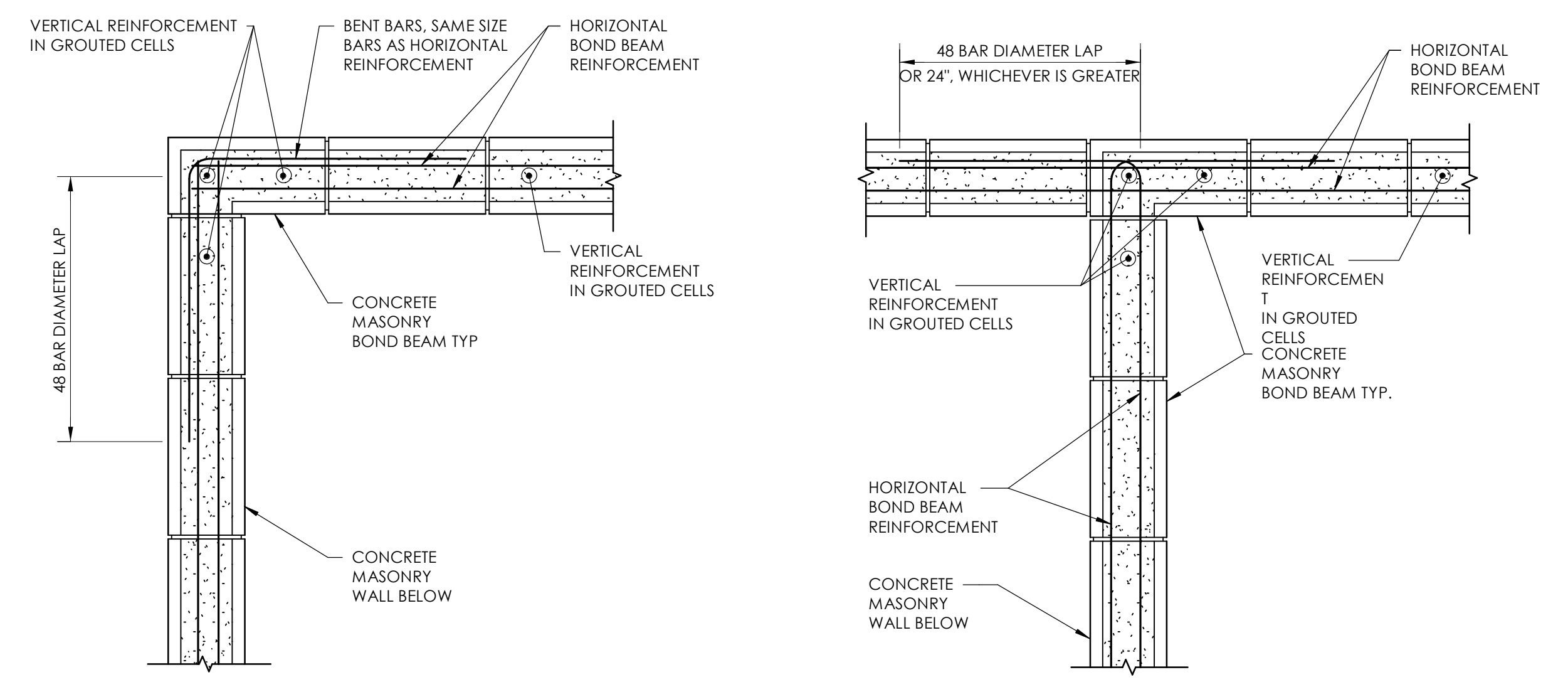
TYPICAL WALL CORNER REINFORCING DETAILS



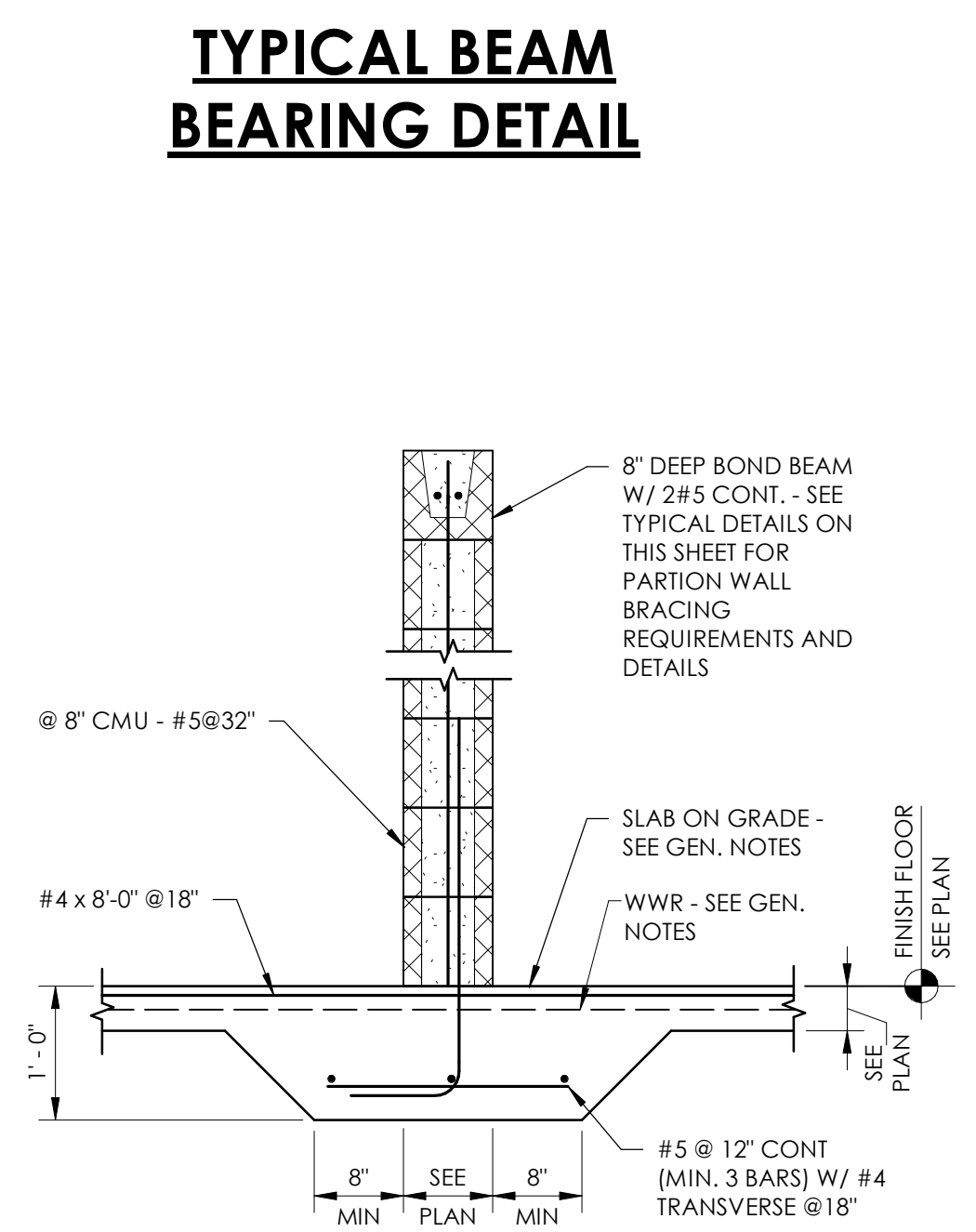
TYPICAL BEAM/TUBE BEARING DETAIL



DECK ANCHOR DETAIL



TYPICAL BOND BEAM CORNER REINFORCING DETAILS



TYPICAL CMU PARTITION WALL DETAILS

ISSUE	DATE
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DRAWN BY: JCF
CHECKED BY: GLT

RAINBOW CITY RECREATION CENTER
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S1.04

TYPICAL DETAILS

ISSUE	DATE
1	05.15.2024
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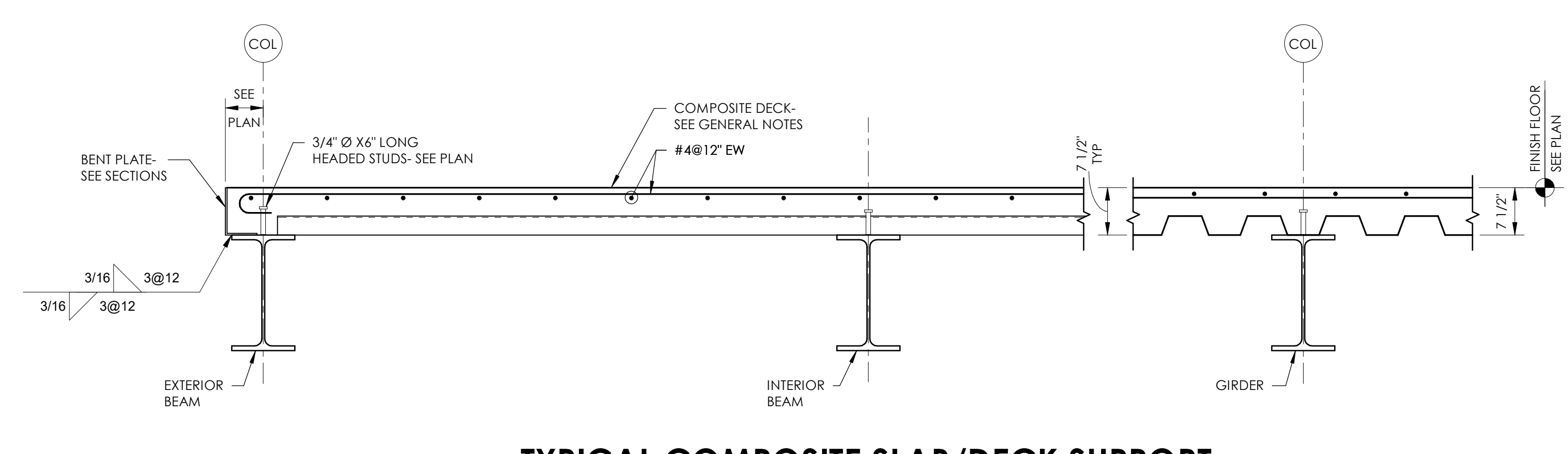
DRAWN BY: JCF
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 RAINBOW CITY, ALABAMA

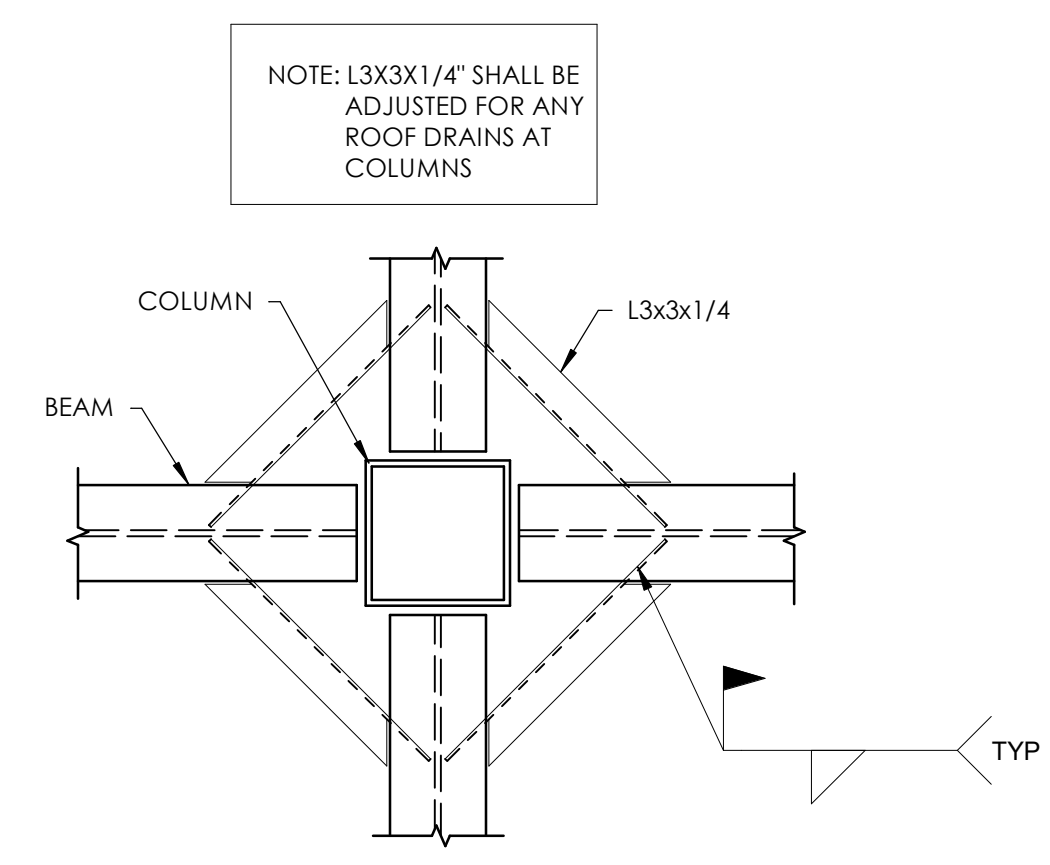


TYPICAL DETAILS

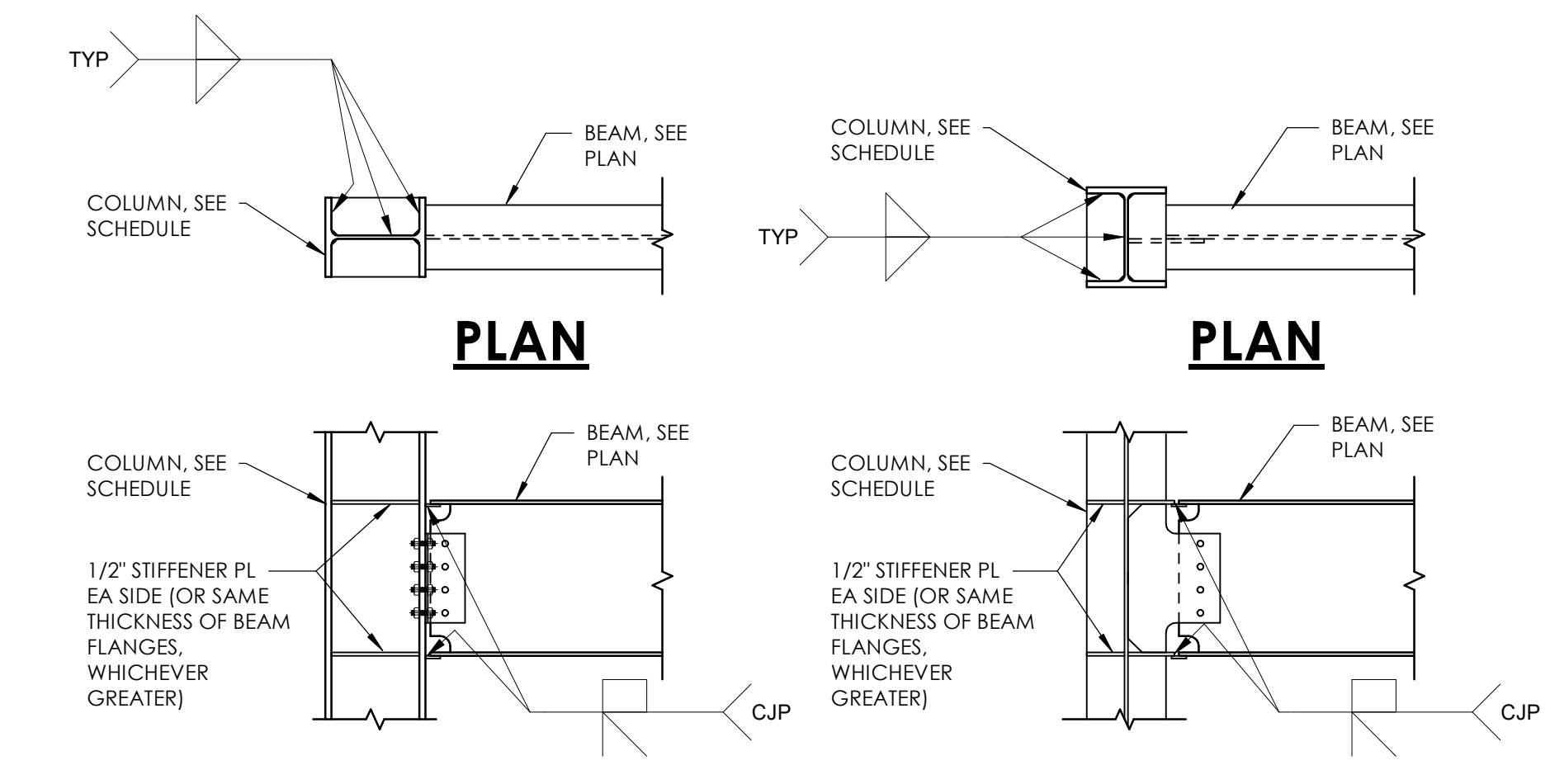
S1.05



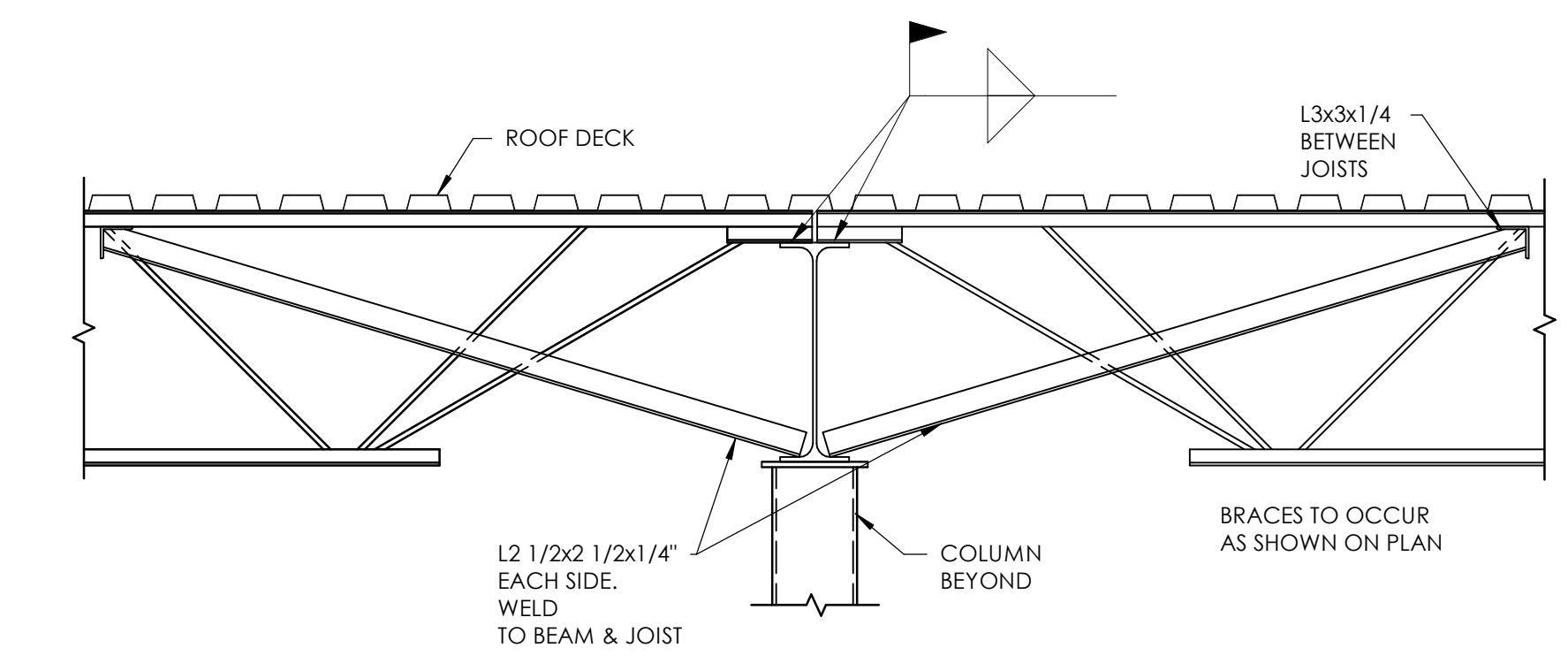
TYPICAL COMPOSITE SLAB/DECK SUPPORT



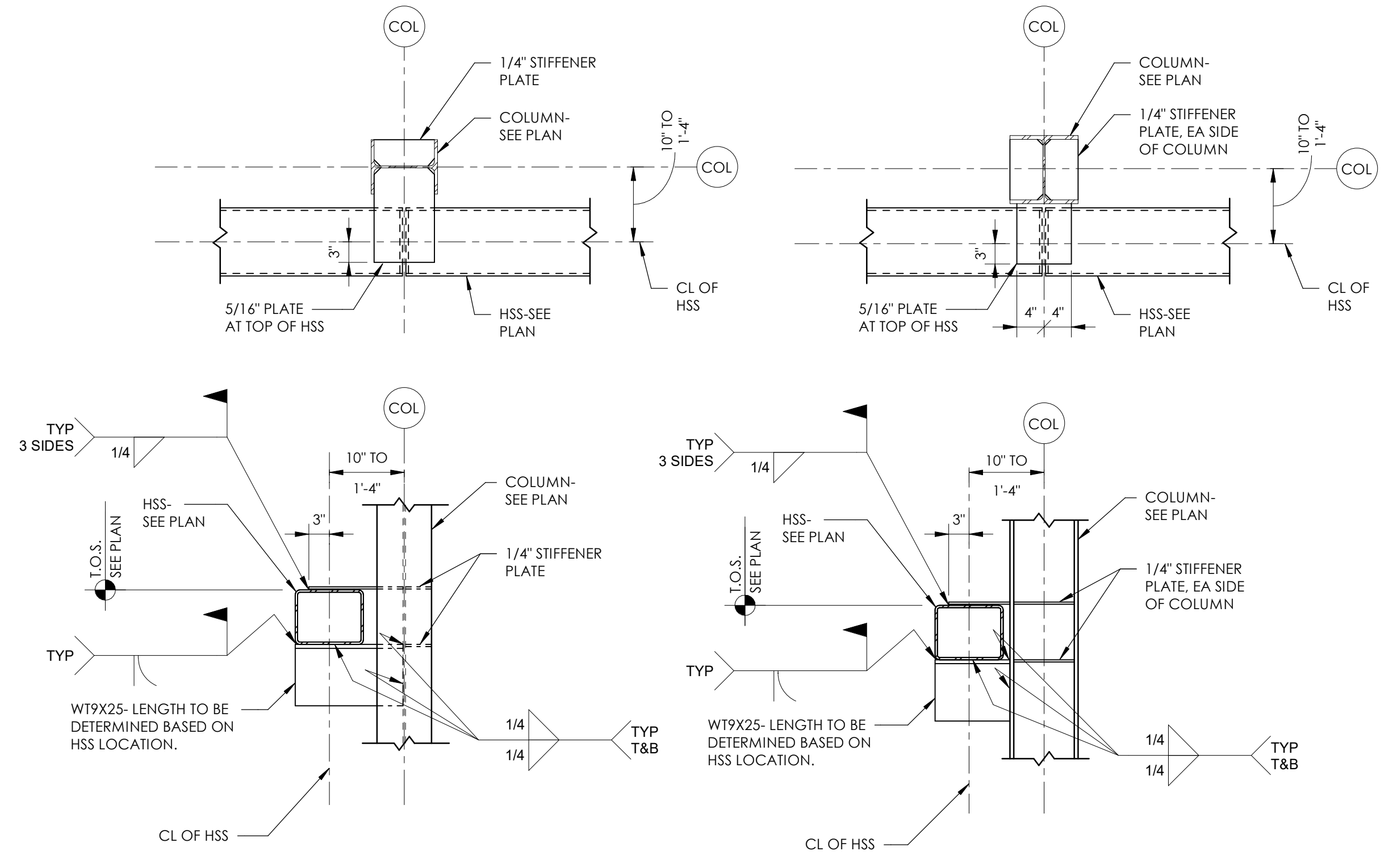
TYPICAL COMPOSITE DECK SUPPORT



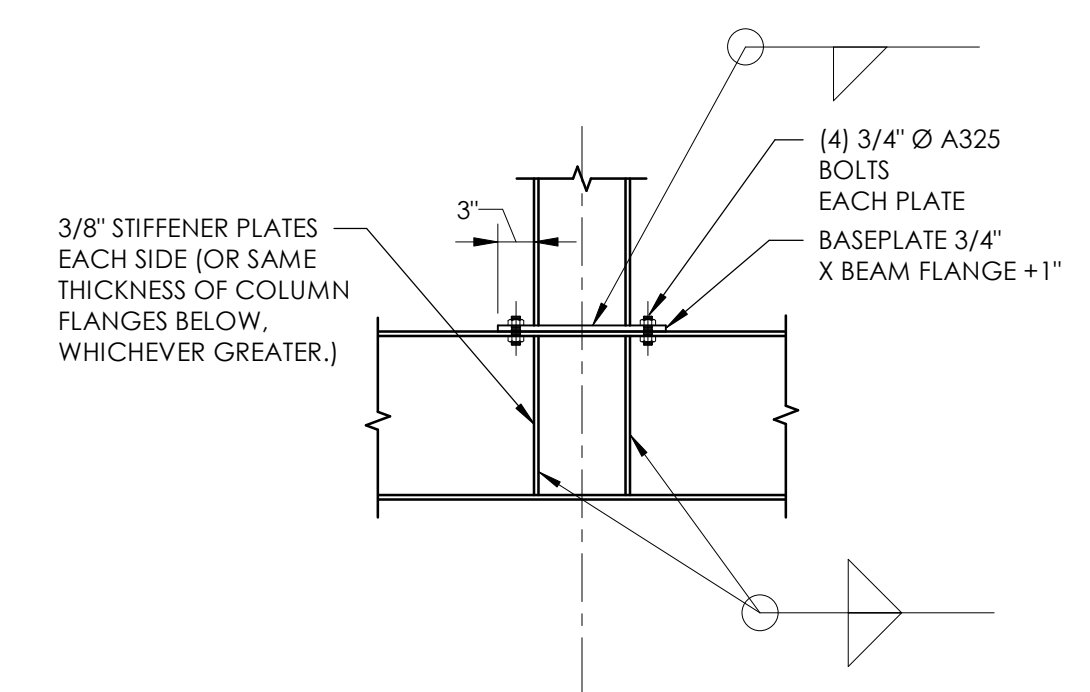
ELEVATION MOMENT CONNECTION DETAIL



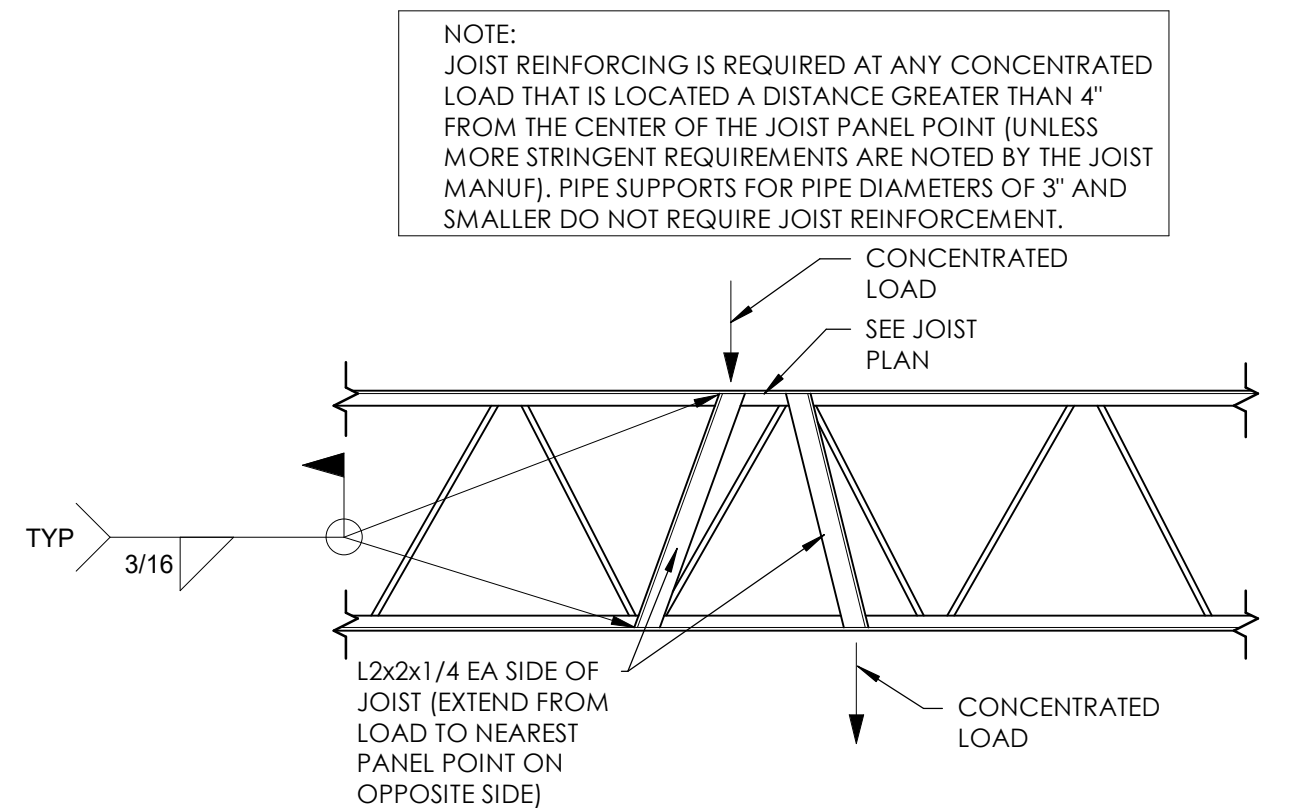
TYPICAL JOIST CONNECTION DETAIL



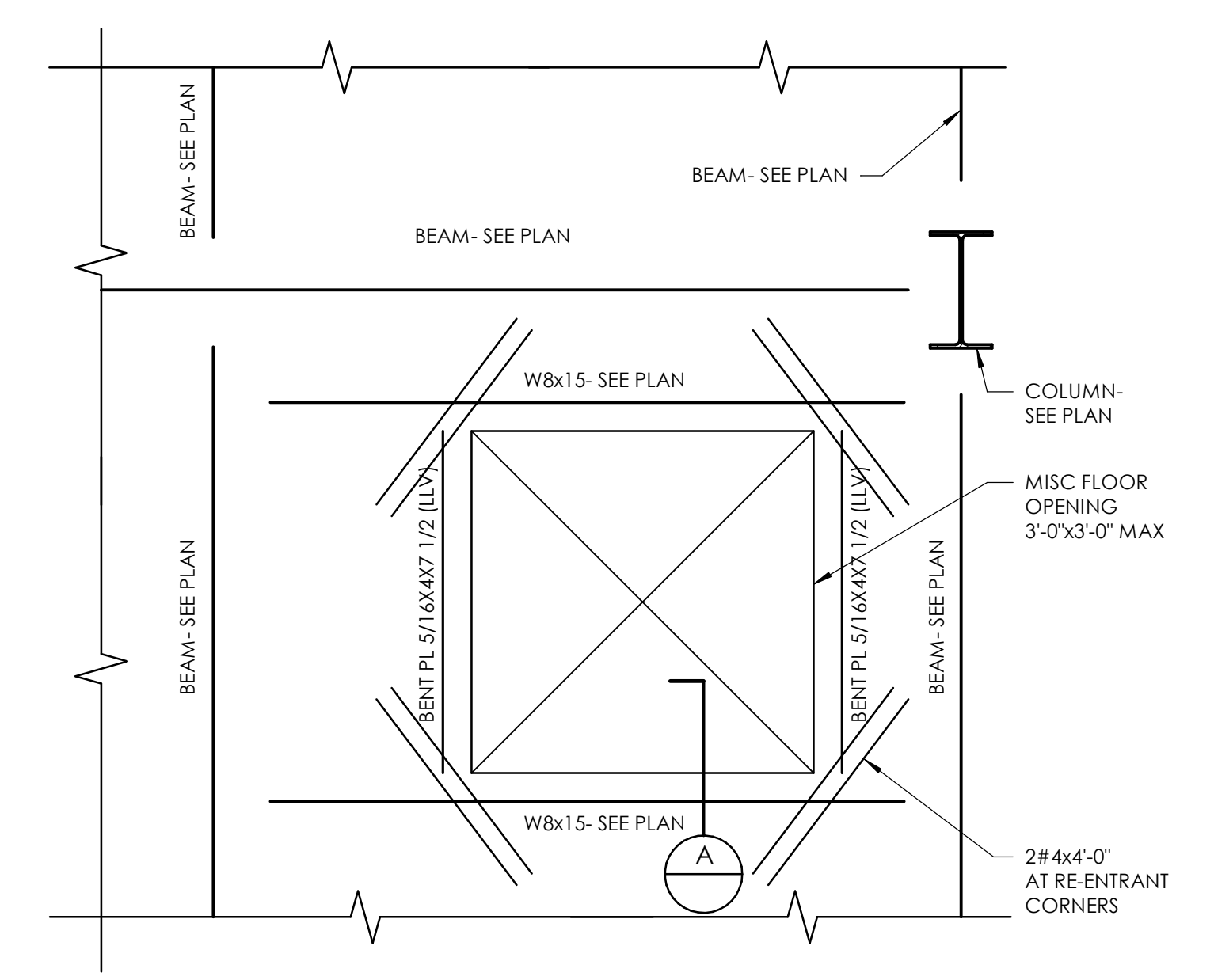
HSS TO COLUMN CONNECTION



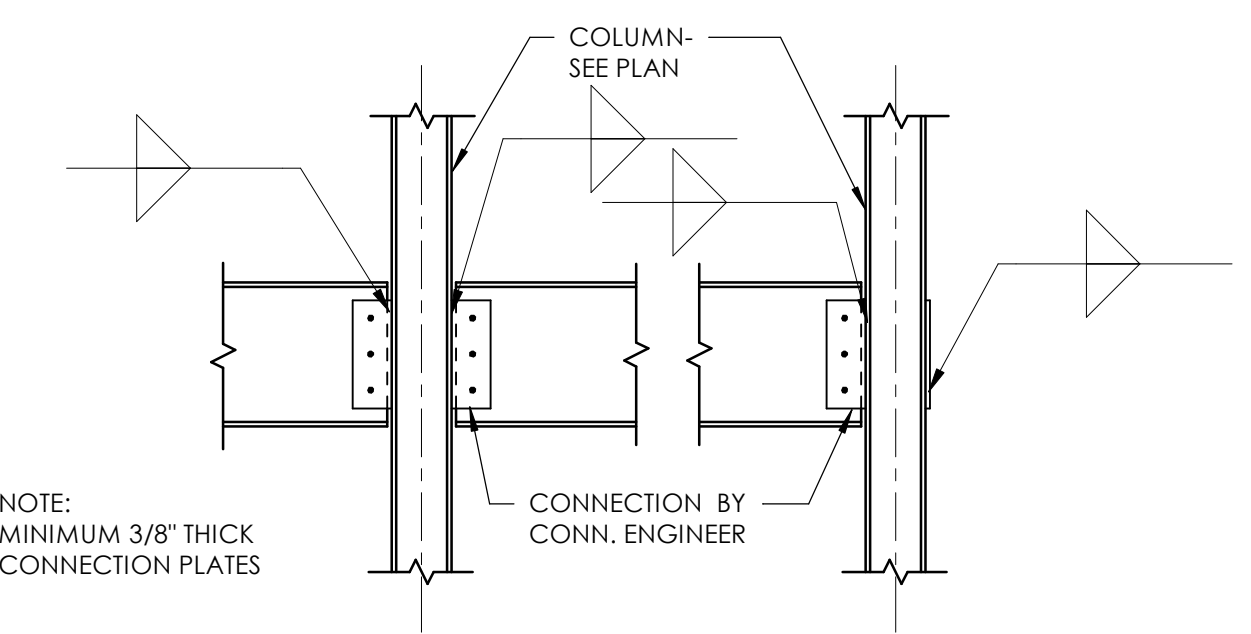
TYPICAL COLUMN TRANSFER DETAIL



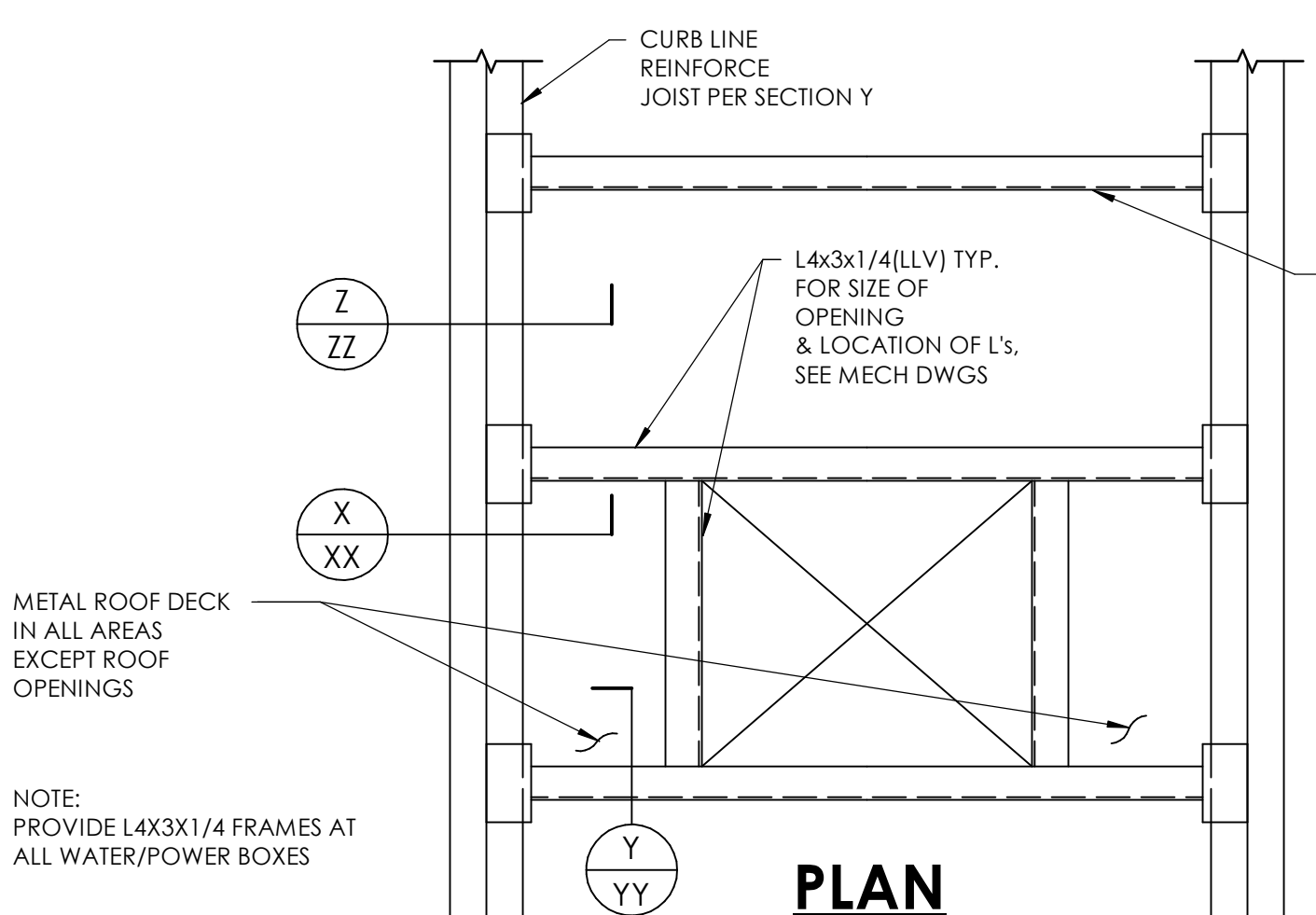
TYPICAL JOIST REINFORCEMENT DETAIL



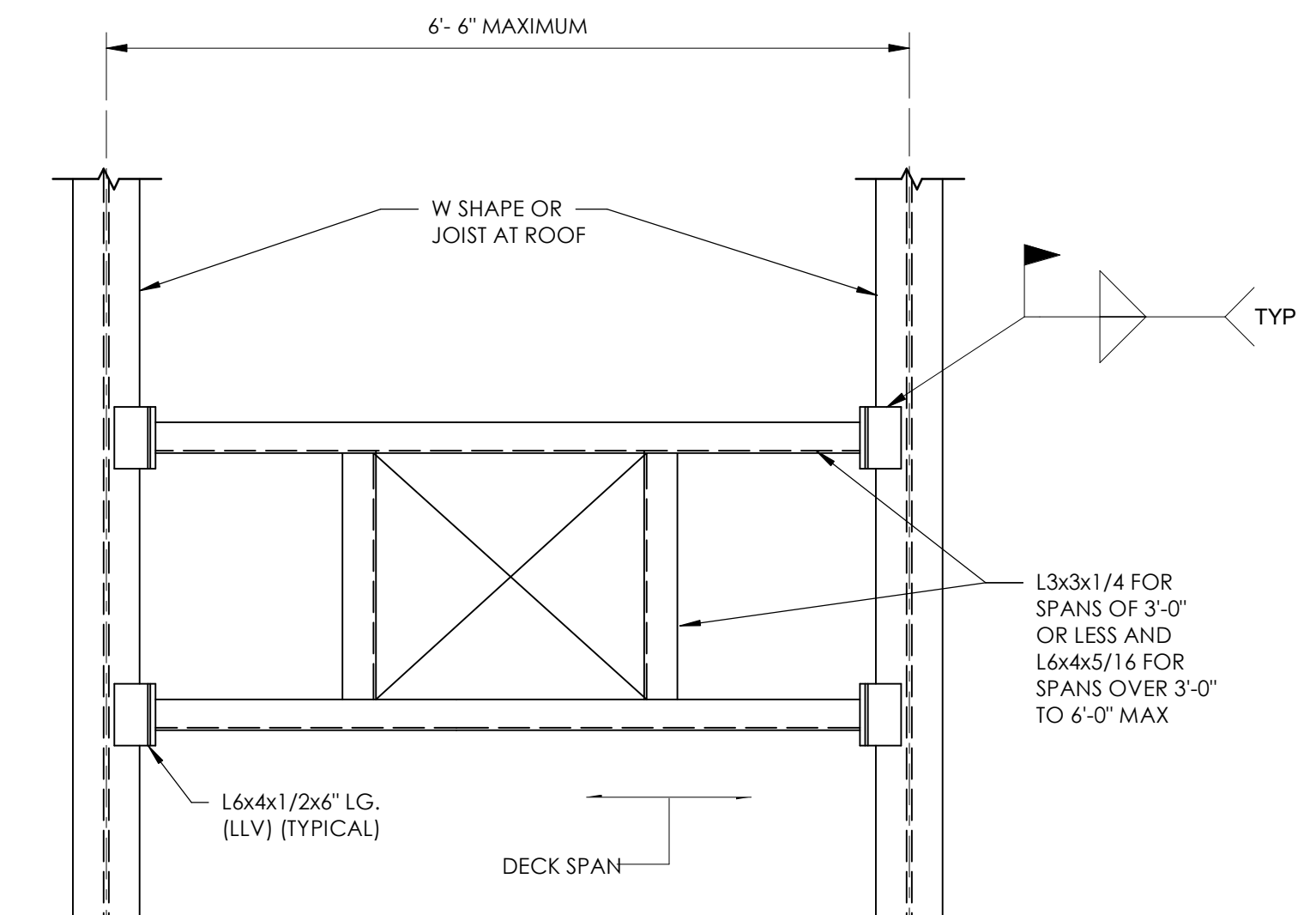
TYPICAL COMPOSITE FLOOR OPENING DETAIL



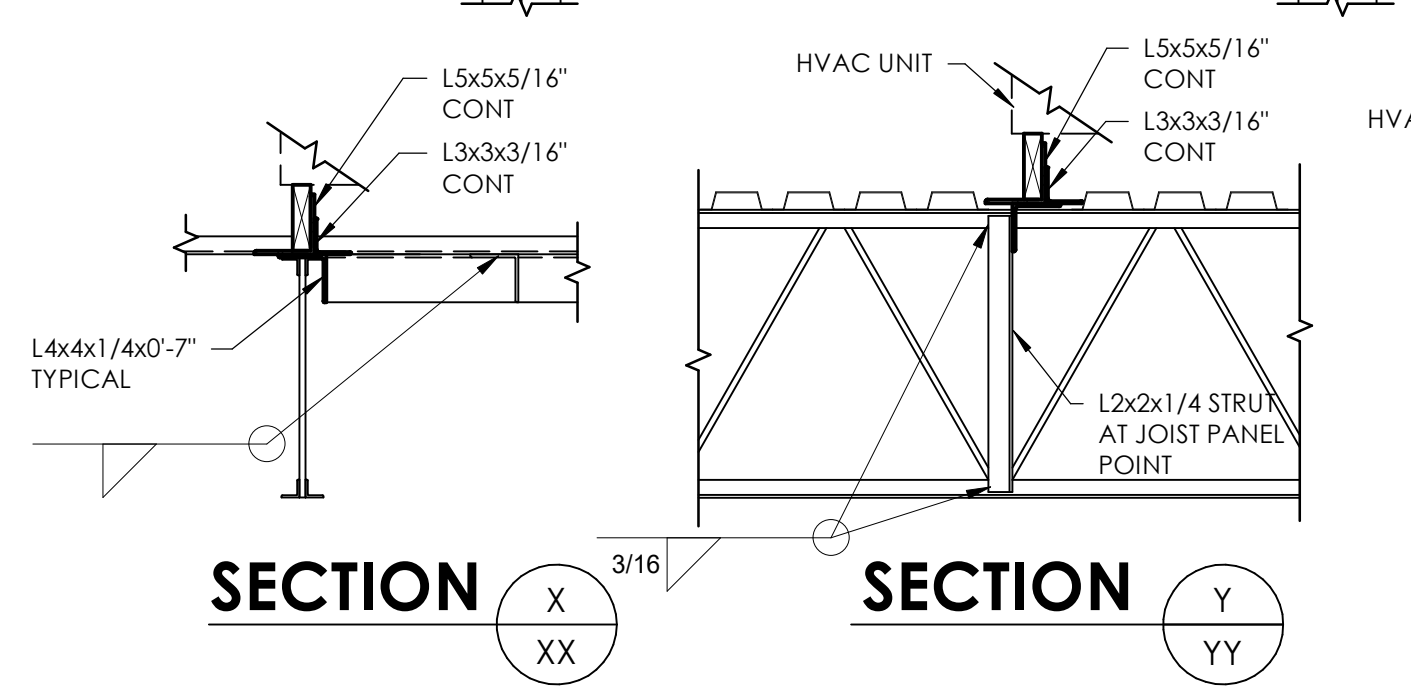
TYPICAL BEAM/COLUMN CONNECTION



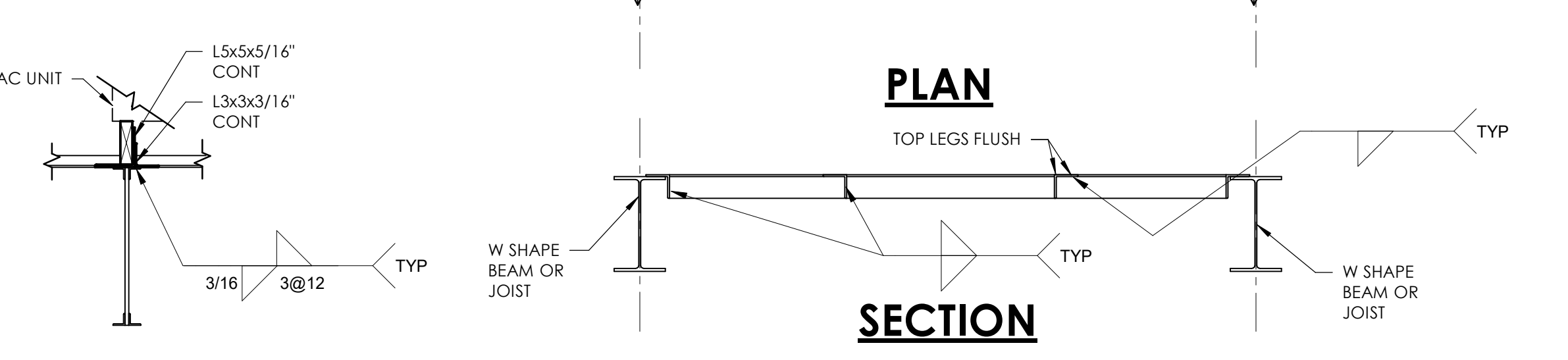
ROOF EQUIPMENT & OPENING FRAME DETAIL



TYPICAL DROP-IN FRAME AT MISCELLANEOUS ROOF OPENINGS FOR EXHAUST FANS, ETC.



SECTION



SECTION

ISSUE	DATE
1	05/28/2024
2	
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 RAINBOW CITY, ALABAMA

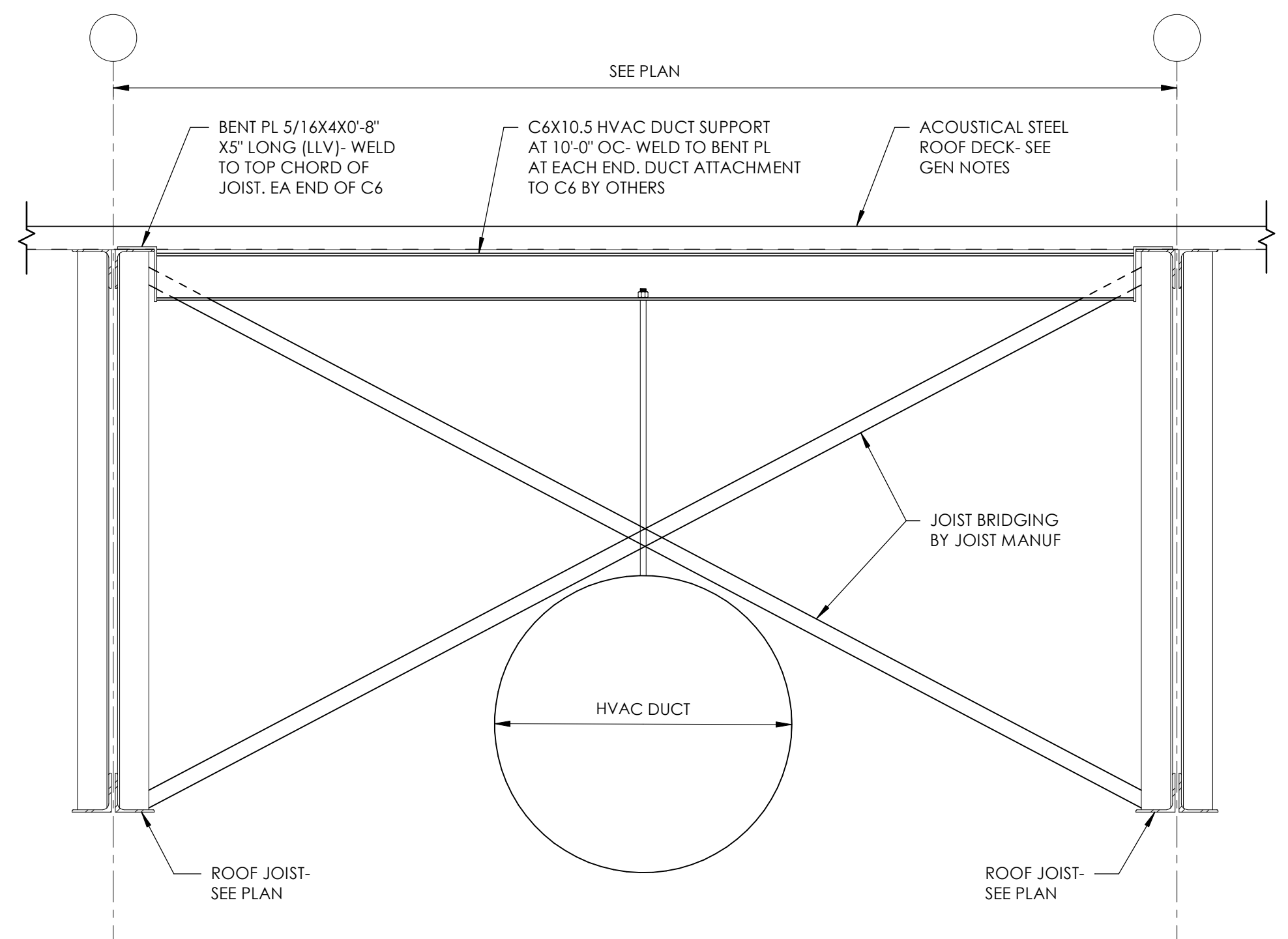


JOIST LOADING
 DIAGRAMS

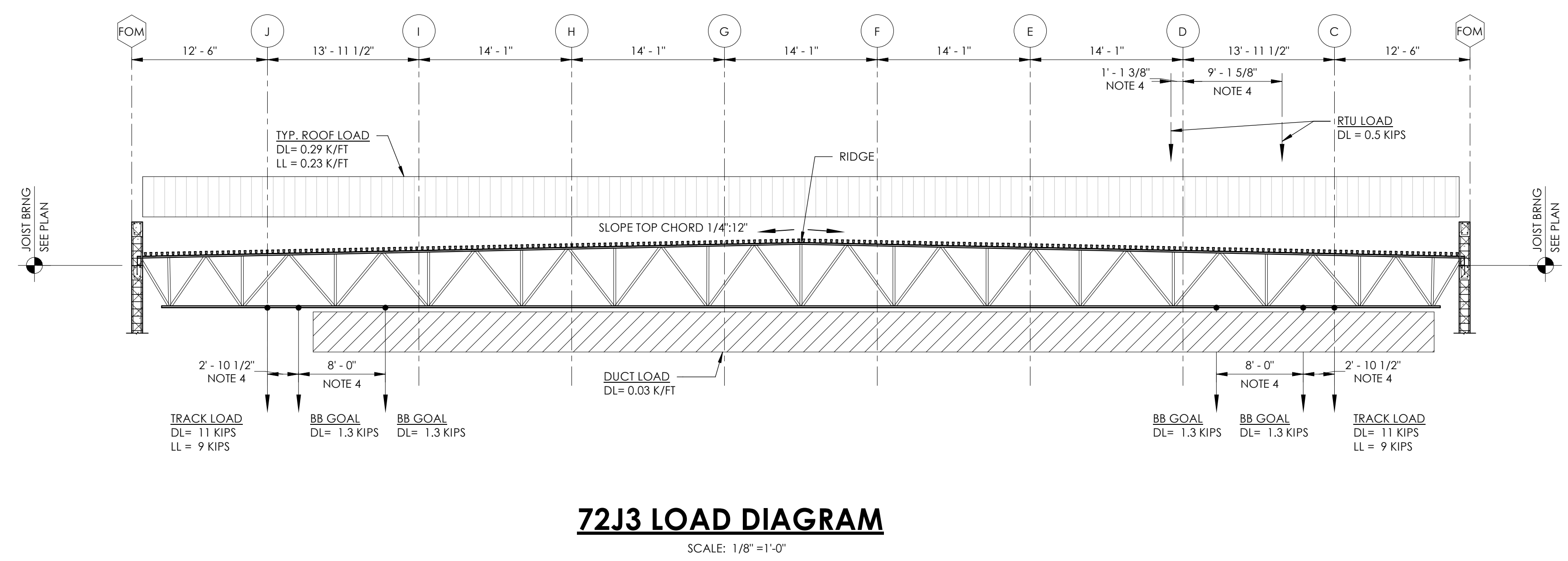
S1.07

GMC ABHM230021

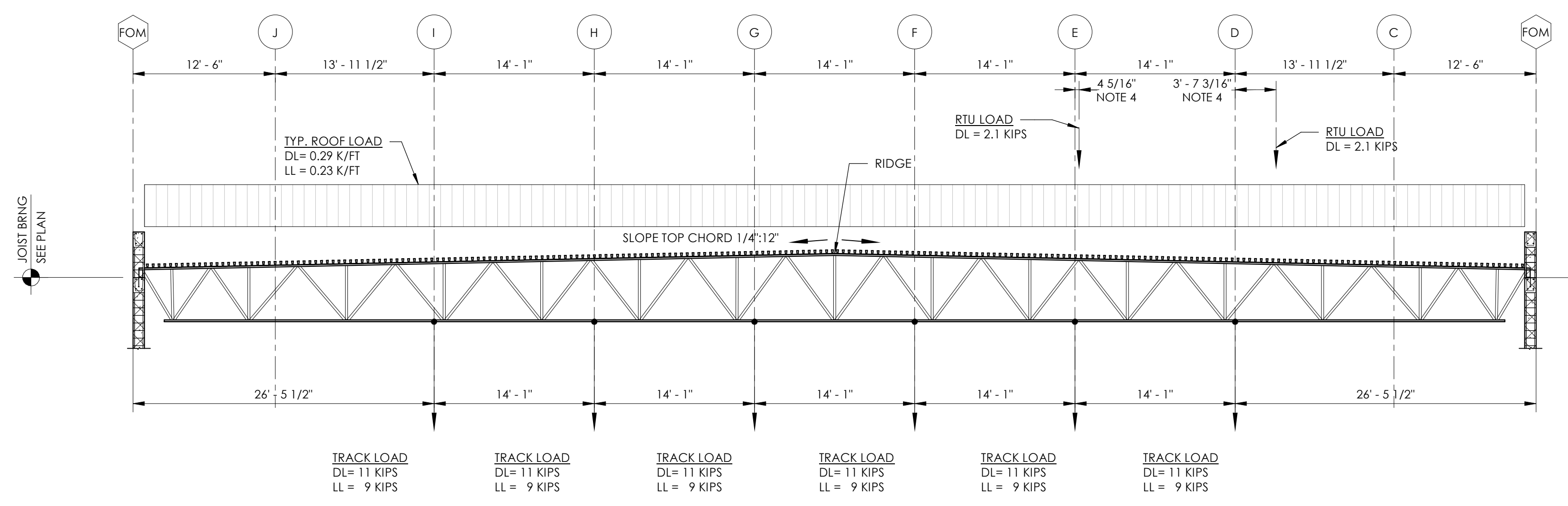
DRAWN BY: JCF
 CHECKED BY: GLT



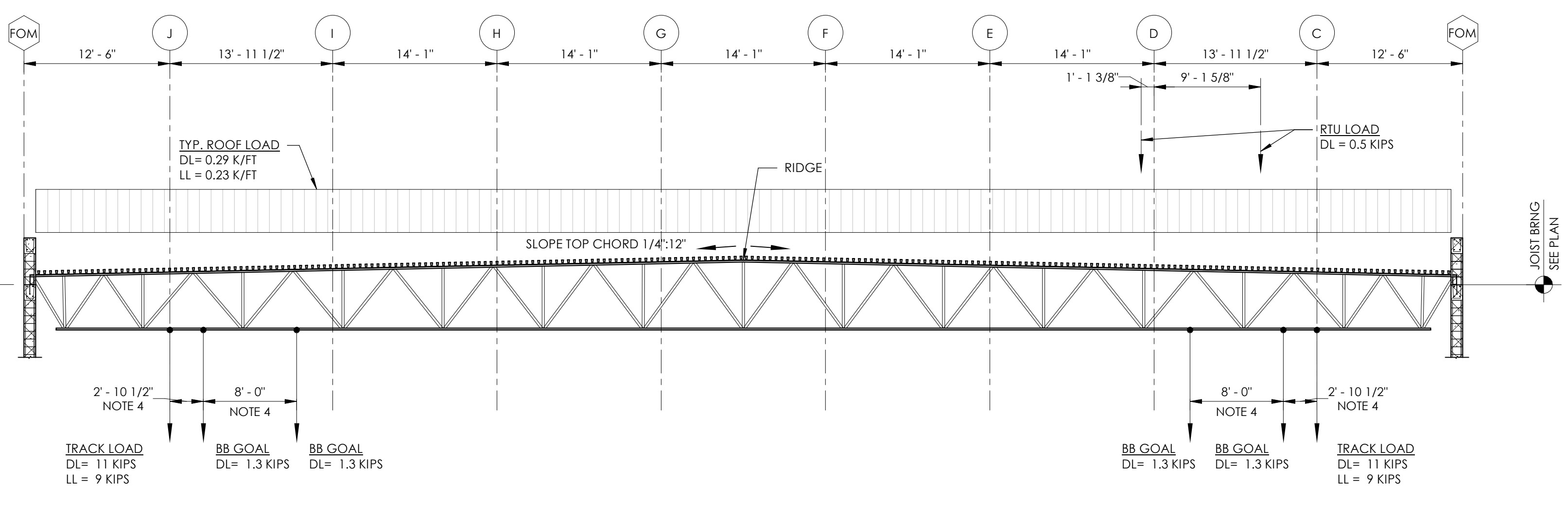
HVAC DUCT SUPPORT TYPICAL DETAIL



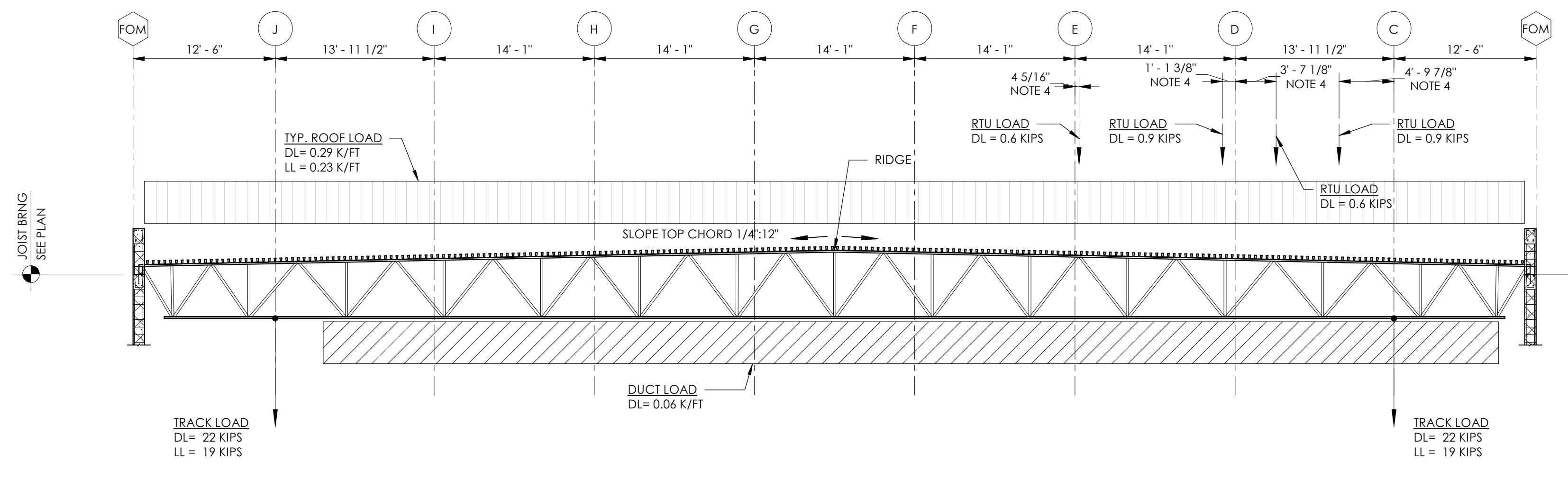
72J3 LOAD DIAGRAM
 SCALE: 1/8"=1'-0"



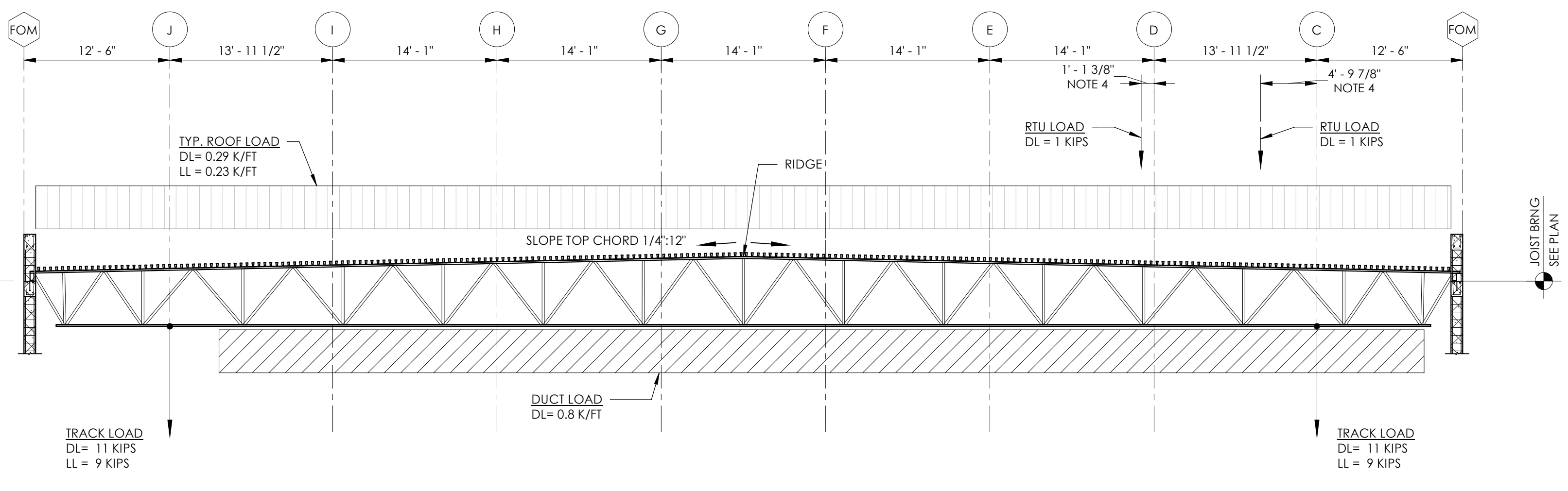
72J1 LOAD DIAGRAM
 SCALE: 1/8"=1'-0"



72J4 LOAD DIAGRAM
 SCALE: 1/8"=1'-0"



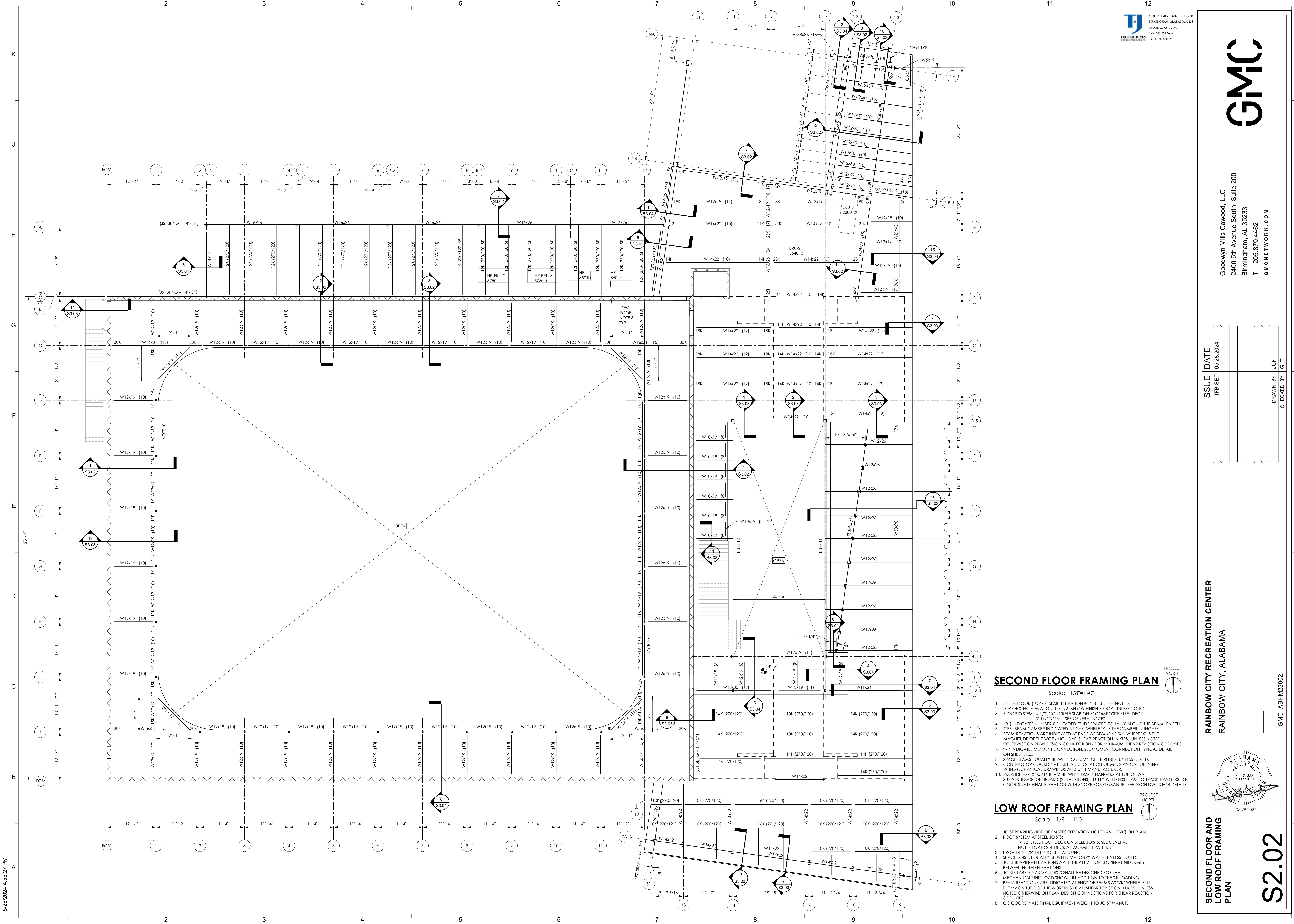
72J2 LOAD DIAGRAM
 SCALE: 1/8"=1'-0"



72J5 LOAD DIAGRAM
 SCALE: 1/8"=1'-0"

"72JX" JOIST GENERAL NOTES

1. MAXIMUM JOIST DEPTH SHALL BE 6'-0"
2. MINIMUM JOIST SEAT DEPTH SHALL BE 10"
3. CONTRACTOR SHALL COORDINATE FINAL LOCATIONS OF ALL LOADS PRIOR TO FABRICATION.
4. ITEMS REQUIRING LOAD COORDINATION INCLUDE ROOFTOP MECH EQUIPMENT, BASKETBALL GOALS, DIVIDER CURTAIN, HSS HANGERS, AND HVAC DUCTWORK.
5. JOISTS SHALL BE DESIGNED WITH CAMBER EQUAL TO THE DEAD LOAD DEFLECTION. LIVE LOAD DEFLECTION SHALL BE LIMITED TO 1" MAXIMUM.
6. ALL LOADS INDICATED ARE SERVICE LOADS. DEAD LOADS DO NOT INCLUDE JOIST SELF WEIGHT. SEE SHEET S1.06 FOR REQUIRED UPLIFT PRESSURES.
7. JOISTS SHALL BE REINFORCED AT ANY CONCENTRATED LOAD AT WHICH THE LOAD FALLS MORE THAN 6" FROM A PANEL POINT. SEE TYPICAL DETAILS.



SECOND FLOOR FRAMING PLAN

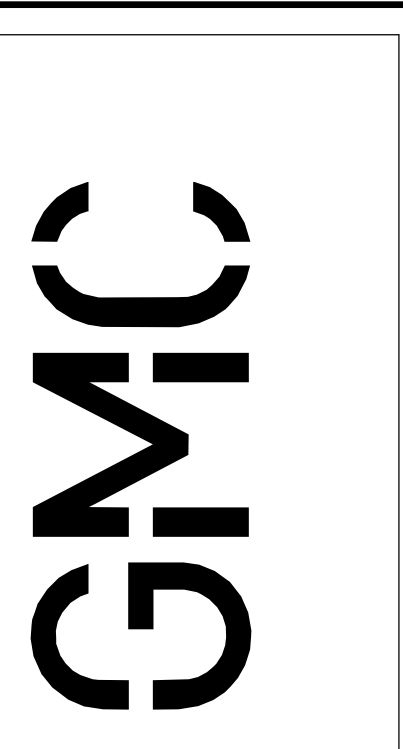
Scale: 1/8" = 1'-0"

1. FINISH FLOOR (TOP OF SLAB) ELEVATION +14'-8". UNLESS NOTED.
2. TOP OF STEEL ELEVATION 0'-7 1/2" BELOW FINISH FLOOR, UNLESS NOTED.
3. FLOOR SYSTEM: 4 1/2" CONCRETE SLAB ON 3" COMPOSITE STEEL DECK (7 1/2" TOTAL). SEE GENERAL NOTES.
4. (*) INDICATES NUMBER OF HEADED STUDS SPACED EQUALLY ALONG THE BEAM LENGTH.
5. STEEL BEAM CAMBER INDICATED AS C+X, WHERE "X" IS THE CAMBER IN INCHES.
6. BEAM REACTIONS ARE INDICATED AT ENDS OF BEAMS AS "R" WHERE "X" IS THE MAGNITUDE OF THE WORKING LOAD SHEAR REACTION IN KIPS. UNLESS NOTED OTHERWISE ON PLAN DESIGN CONNECTIONS FOR MINIMUM SHEAR REACTION OF 10 KIPS.
7. "M" INDICATES MOMENT CONNECTION. SEE MOMENT CONNECTION TYPICAL DETAIL ON SHEET S1.05.
8. SPACE BEAMS EQUALLY BETWEEN COLUMN CENTERLINES, UNLESS NOTED.
9. CONTRACTOR COORDINATE SIZE AND LOCATION OF MECHANICAL OPENINGS WITH MECHANICAL DRAWINGS AND UNIT MANUFACTURER.
10. PROVIDE HSS 4X4X5/16 BEAM BETWEEN TRACK HANGERS AT TOP OF WALL SUPPORTING SCOREBOARD (2 LOCATIONS). FULLY WELD HSS BEAM TO TRACK HANGERS. GC COORDINATE FINAL ELEVATION WITH SCORE BOARD MANUF. SEE ARCH DWGS FOR DETAILS.

LOW ROOF FRAMING PLAN

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

1. JOIST BEARING (TOP OF EMBED) ELEVATION NOTED AS (+X-X") ON PLAN.
2. ROOF SYSTEM AT STEEL JOISTS: 1-1/2" STEEL ROOF DECK ON STEEL JOISTS. SEE GENERAL NOTES FOR ROOF DECK ATTACHMENT PATTERN.
3. PROVIDE 2-1/2" DEEP JOIST SEATS. UNO.
4. SPACE JOISTS EQUALLY BETWEEN MASONRY WALLS, UNLESS NOTED.
5. JOIST BEARING ELEVATIONS ARE EITHER LEVEL OR SLOPING UNIFORMLY BETWEEN NOTED ELEVATIONS.
6. JOISTS LABELED AS "SP" JOISTS SHALL BE DESIGNED FOR THE MECHANICAL UNIT LOAD SHOWN IN ADDITION TO THE SJ LOADING.
7. BEAM REACTIONS ARE INDICATED AT ENDS OF BEAMS AS "R" WHERE "X" IS THE MAGNITUDE OF THE WORKING LOAD SHEAR REACTION IN KIPS. UNLESS NOTED OTHERWISE ON PLAN DESIGN CONNECTIONS FOR SHEAR REACTION OF 10 KIPS.
8. GC COORDINATE FINAL EQUIPMENT WEIGHT TO JOIST MANUF.



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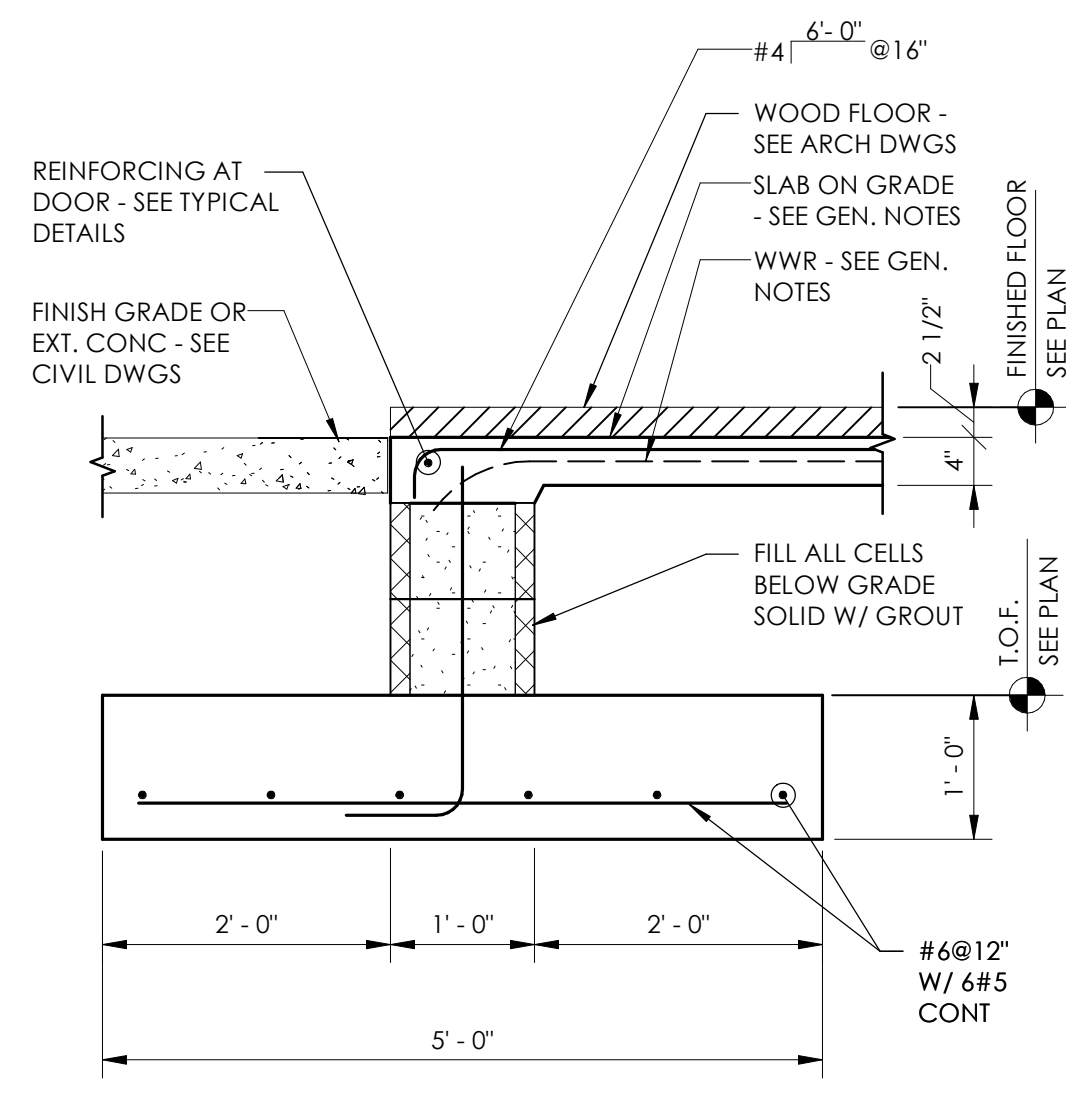
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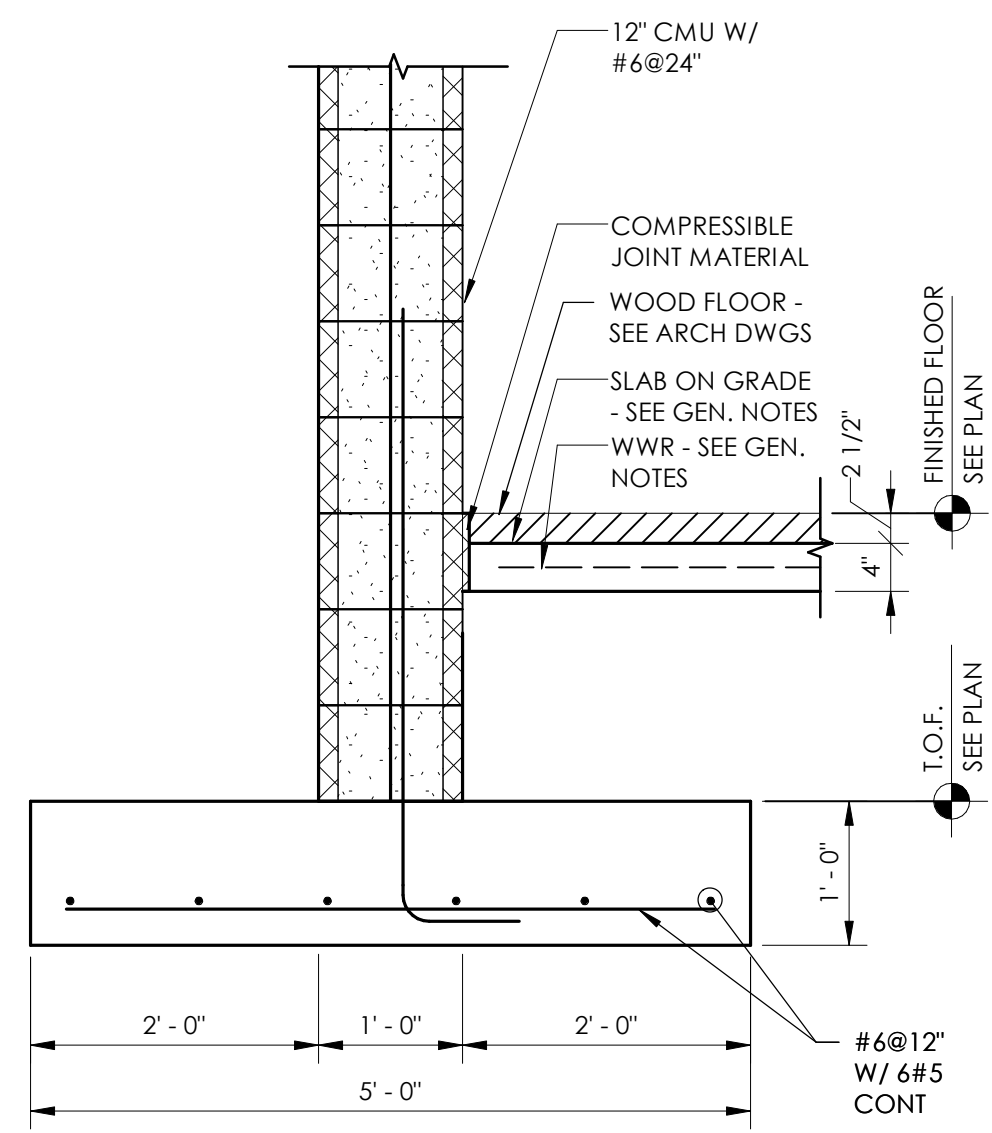
SECOND FLOOR AND
 LOW ROOF FRAMING
 PLAN

S2.02

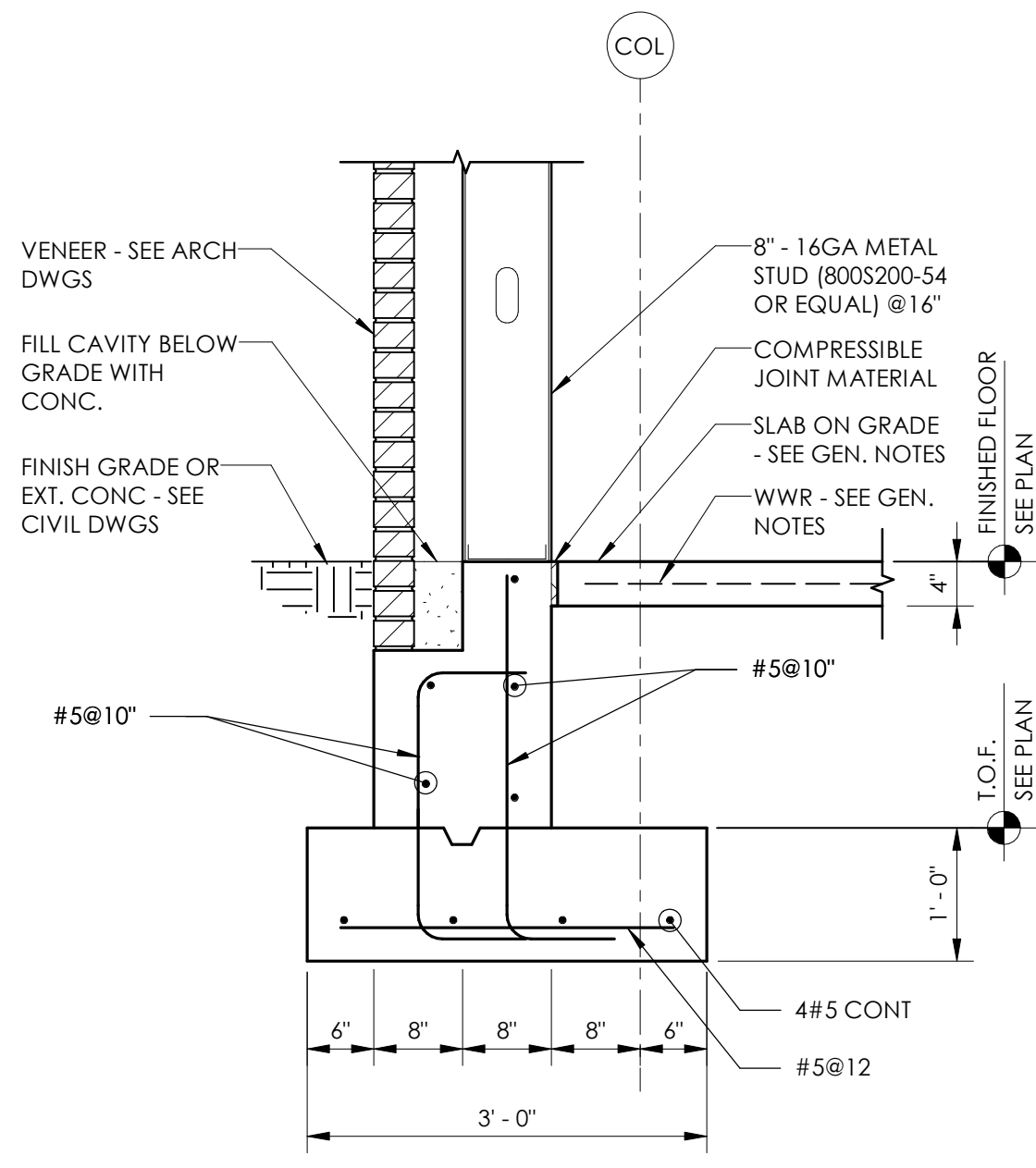
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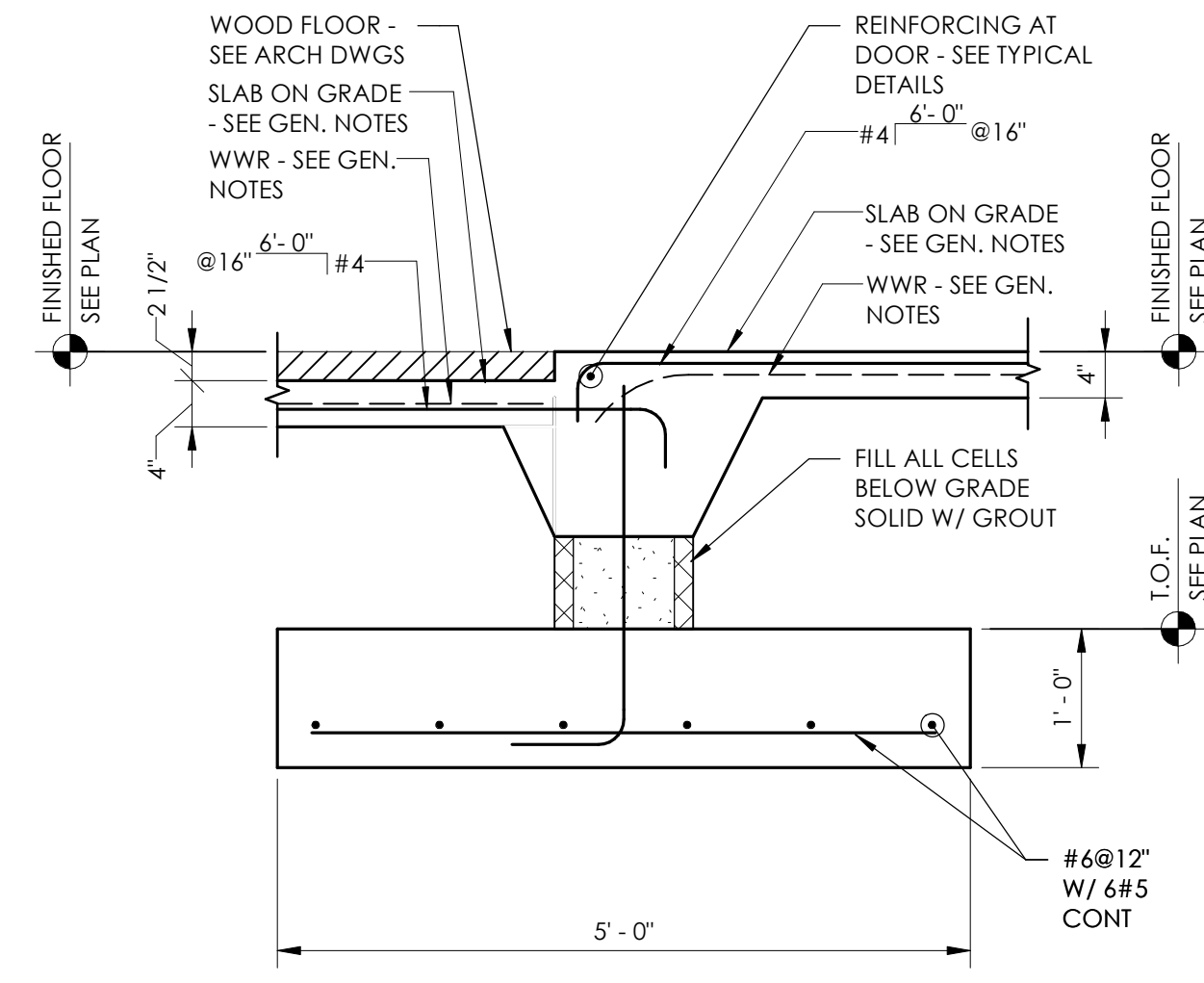
SECTION 1
S3.01 3/4" = 1'-0"



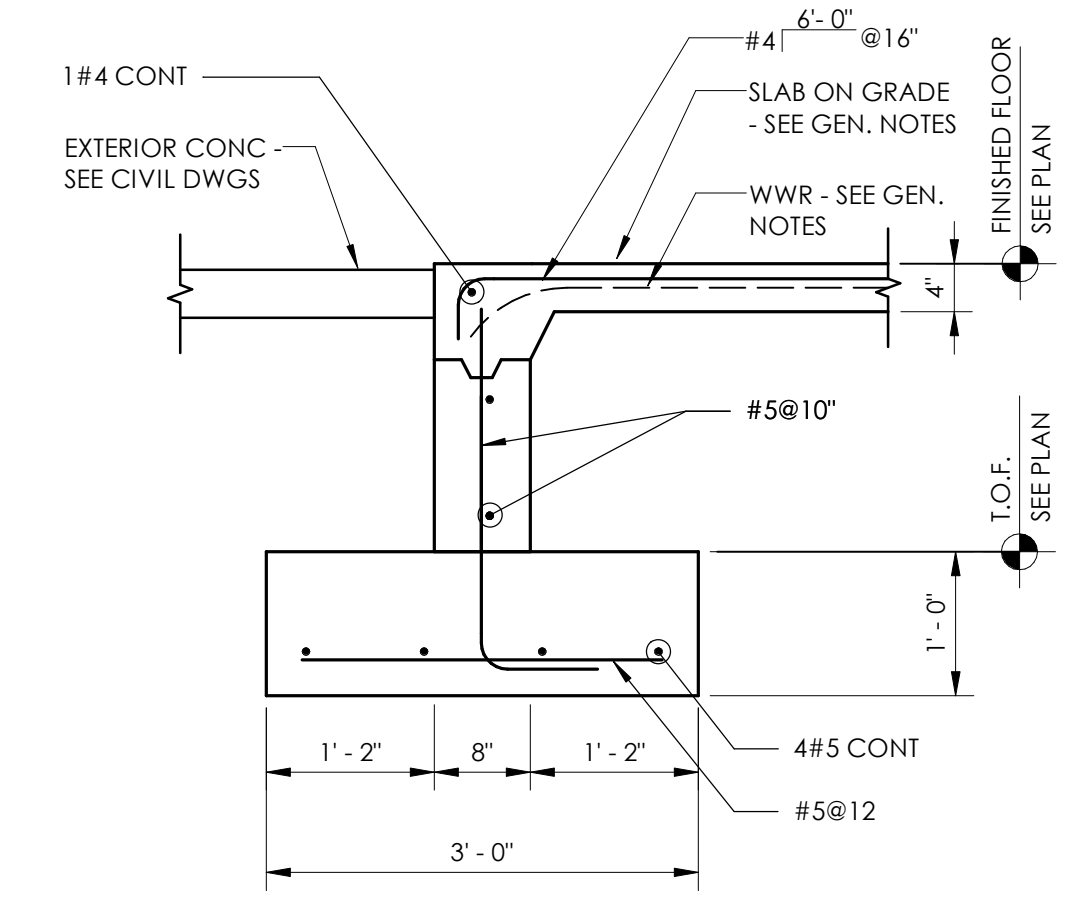
SECTION 2
S3.01 3/4" = 1'-0"



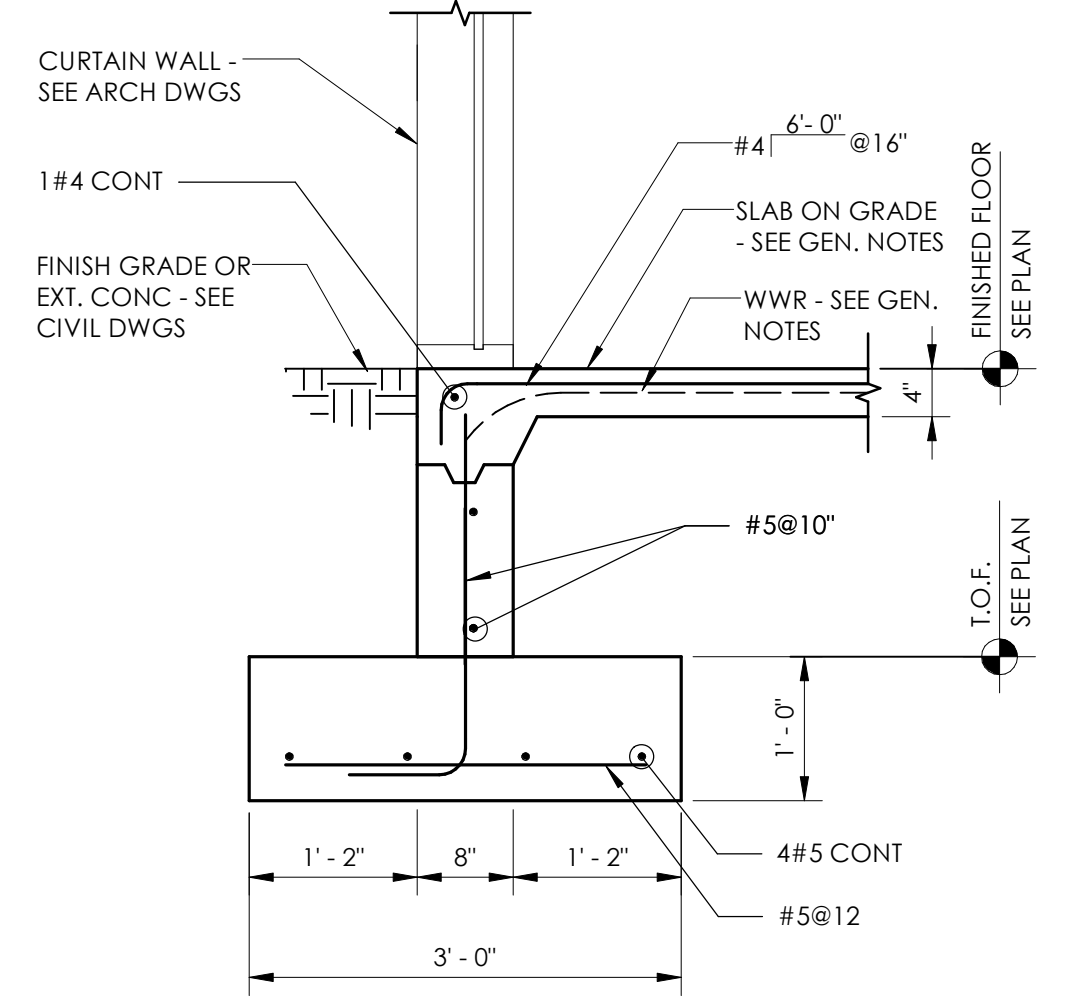
SECTION 3
S3.01 3/4" = 1'-0"



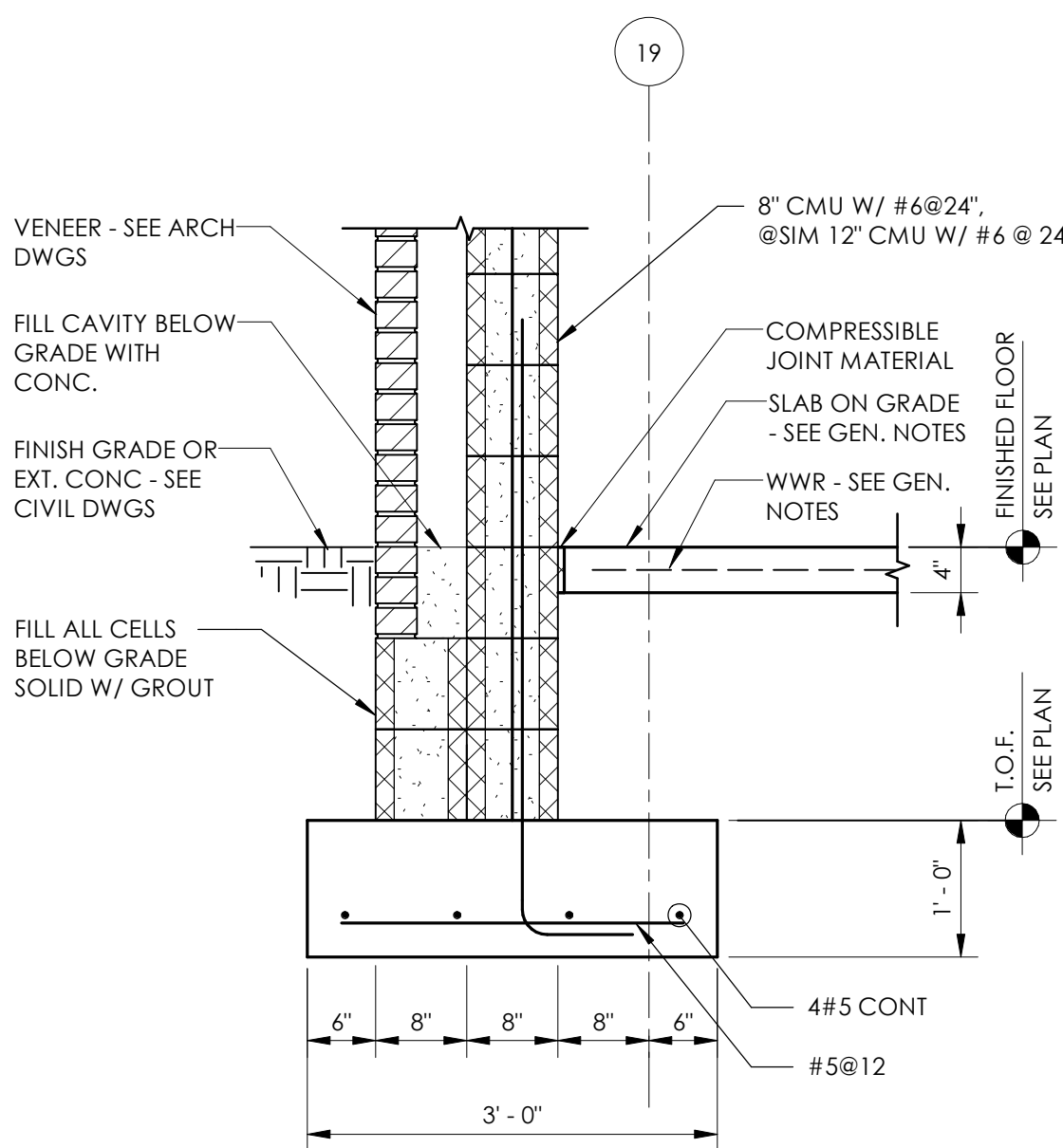
SECTION 4
S3.01 3/4" = 1'-0"



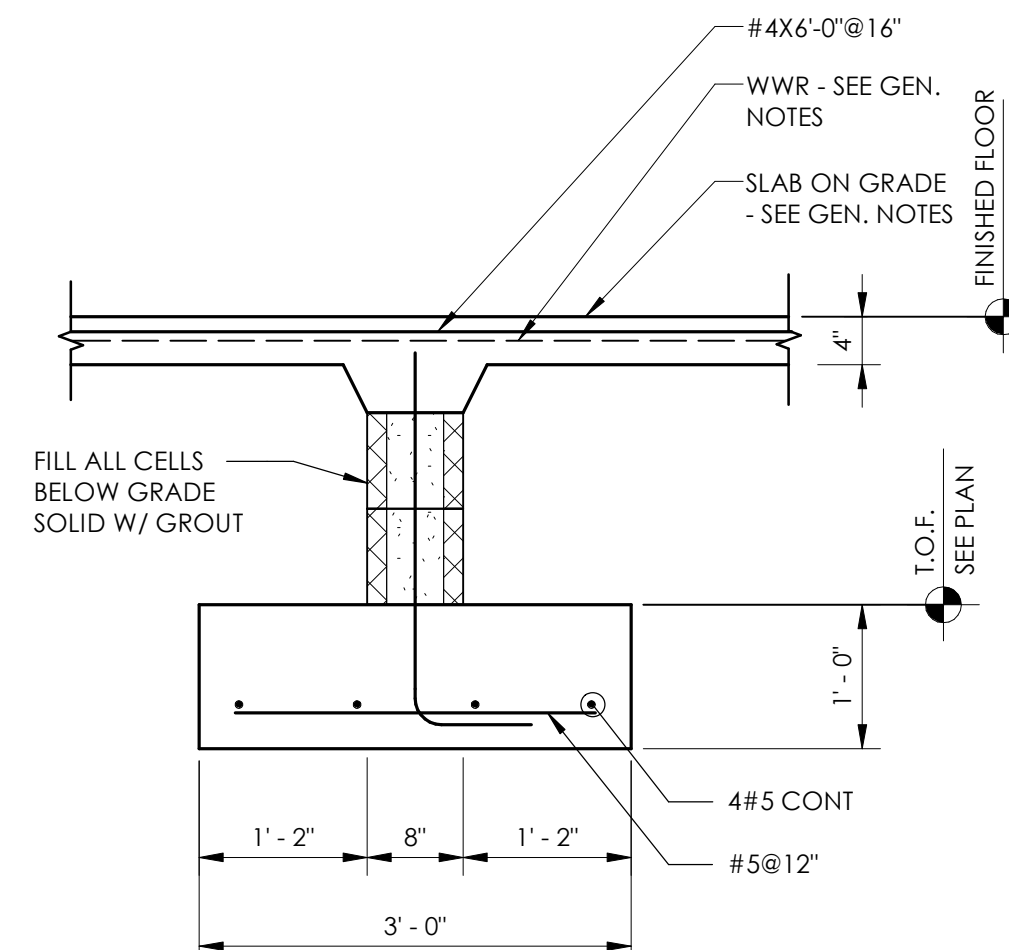
SECTION 5
S3.01 3/4" = 1'-0"



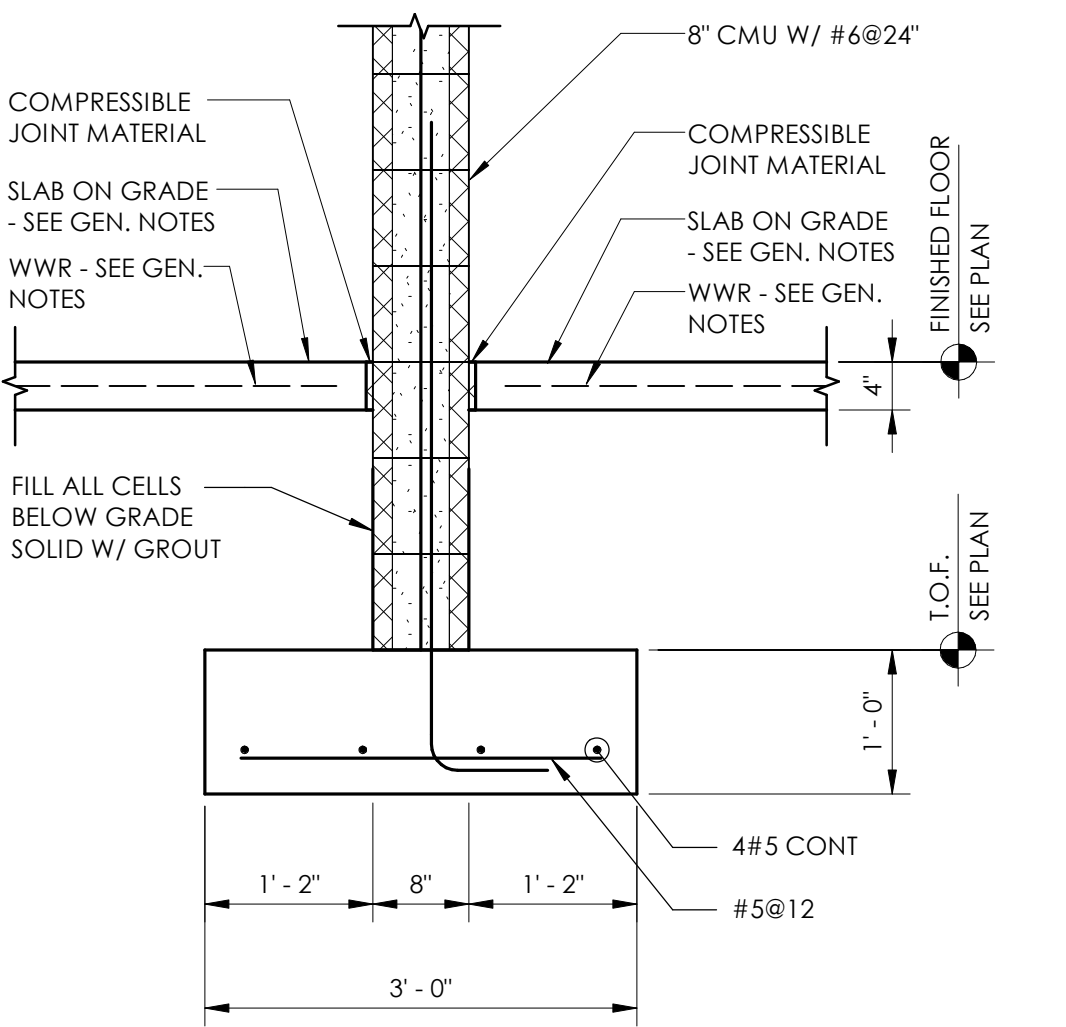
SECTION 6
S3.01 3/4" = 1'-0"



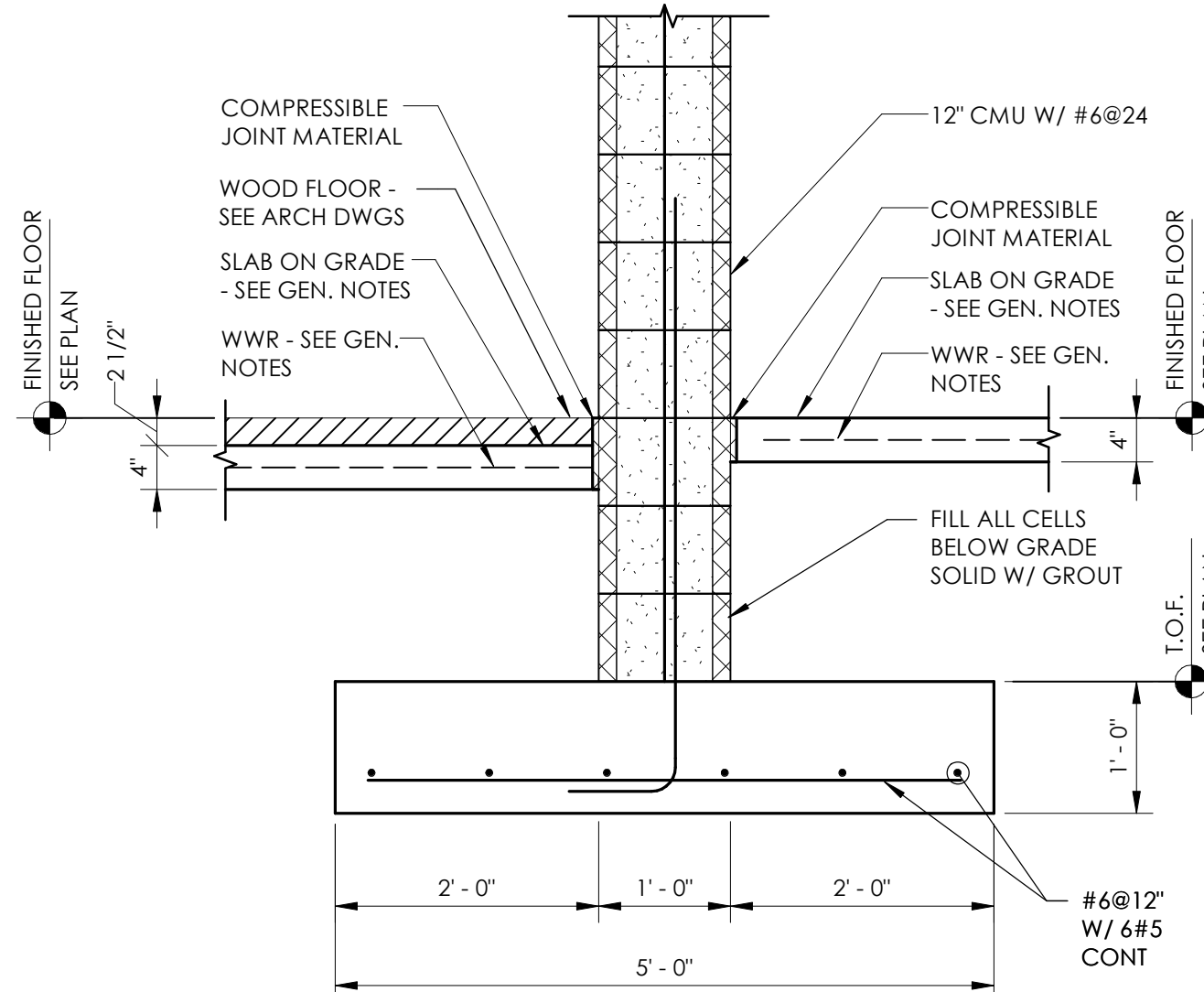
SECTION 7
S3.01 3/4" = 1'-0"



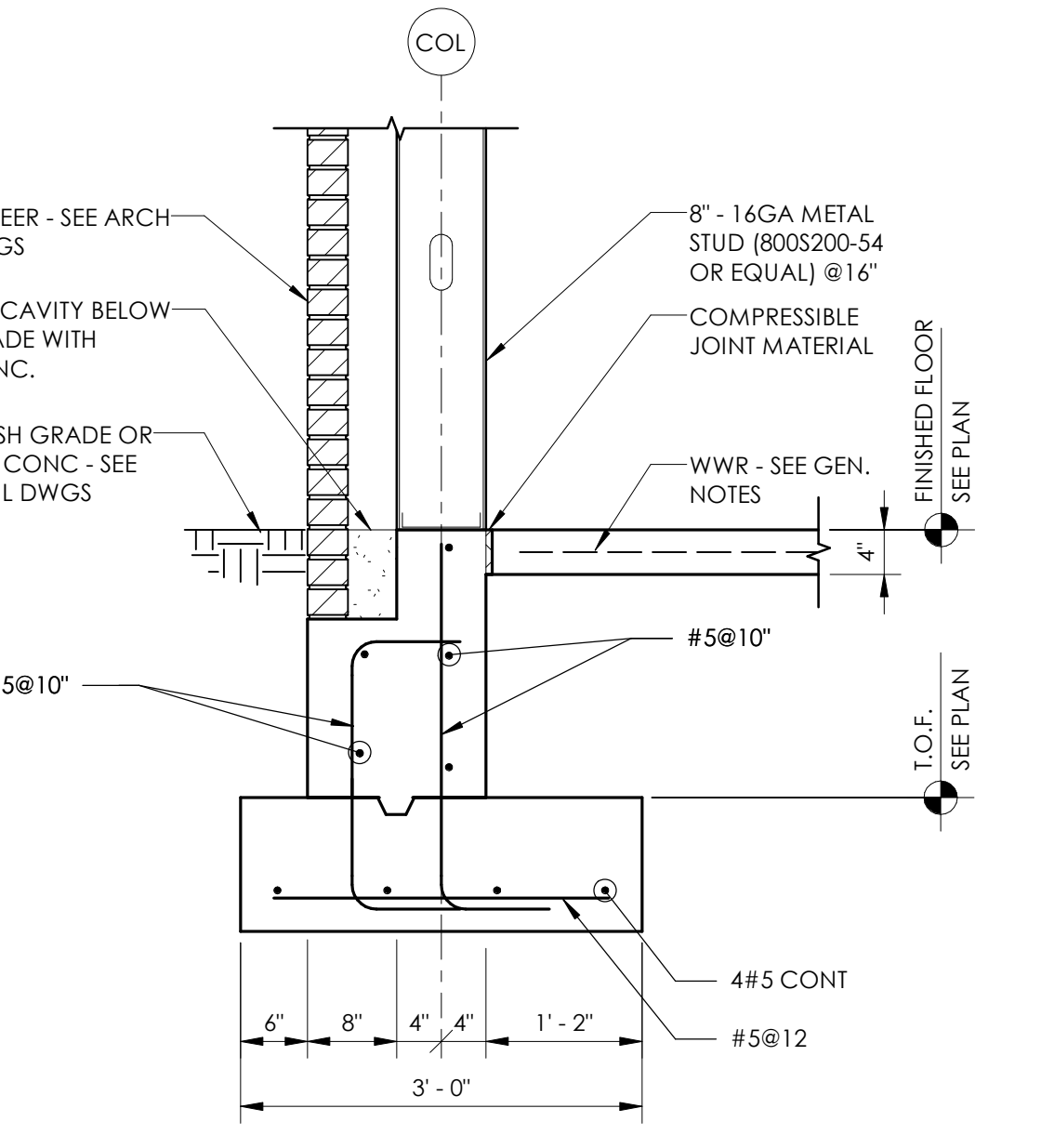
SECTION 8
S3.01 3/4" = 1'-0"



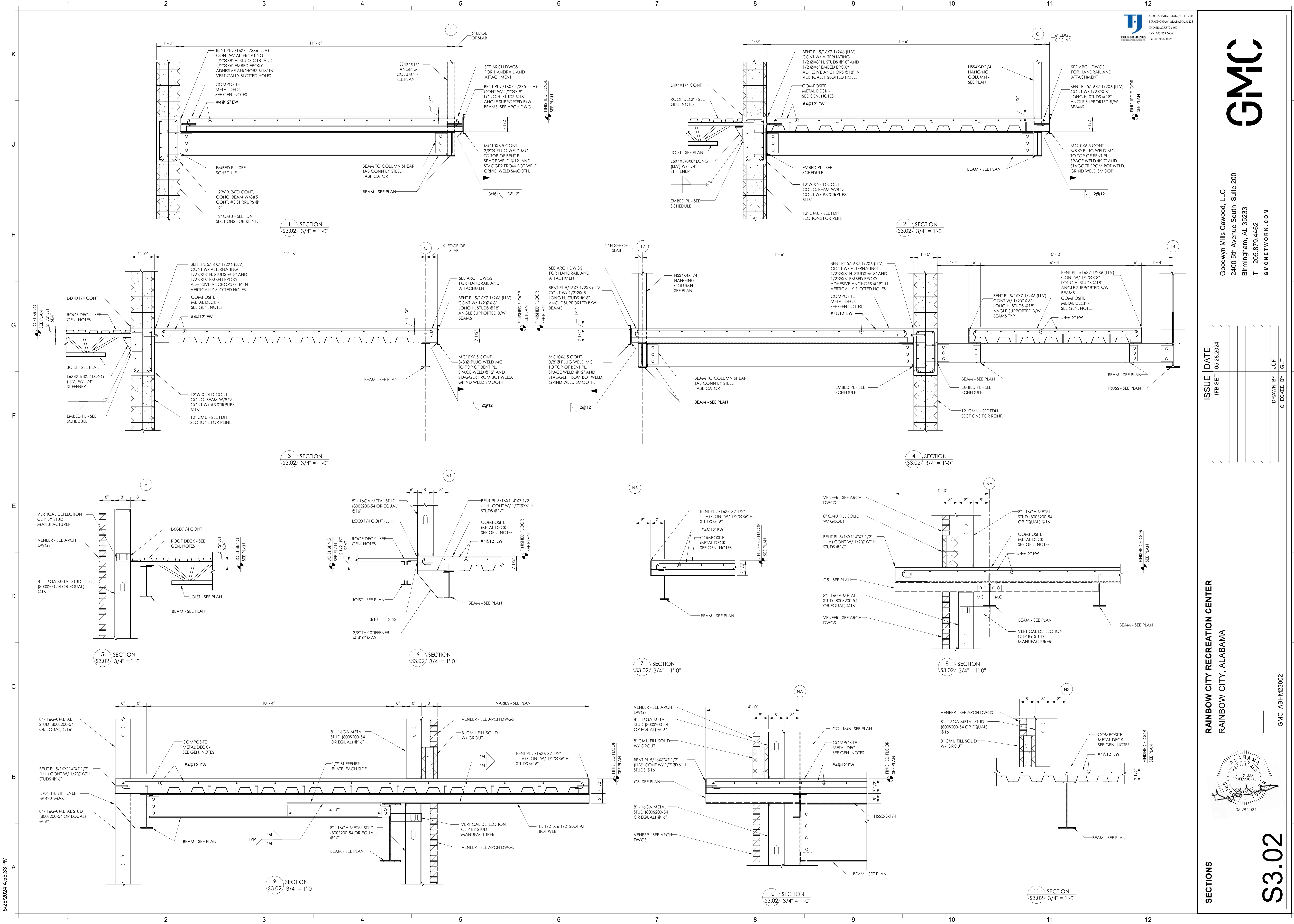
SECTION 9
S3.01 3/4" = 1'-0"



SECTION 10
S3.01 3/4" = 1'-0"



SECTION 11
S3.01 3/4" = 1'-0"



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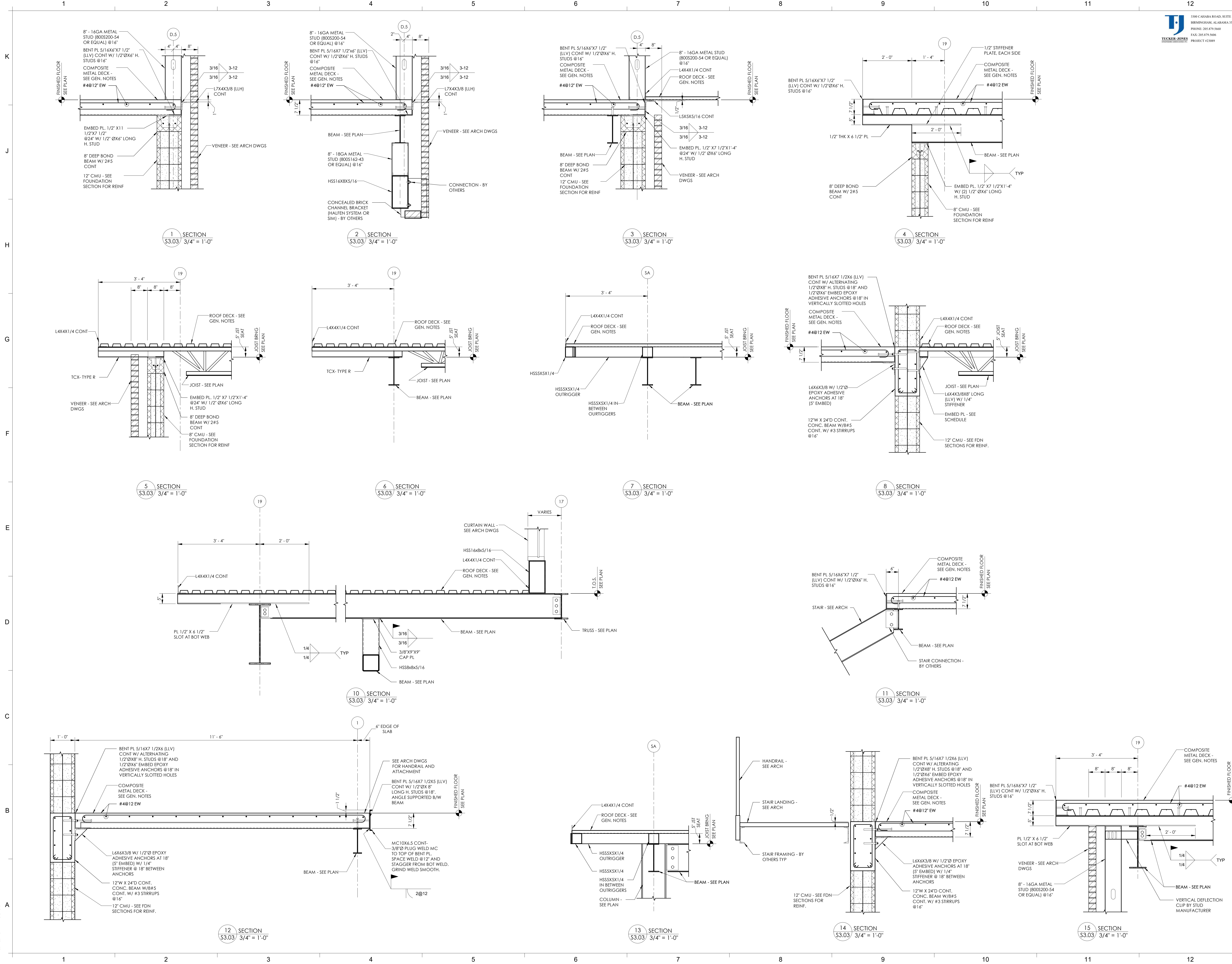
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ALABAMA REGISTERED PROFESSIONAL ENGINEER
 No. 21338
 T. J. GILBERT
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S3.03

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PROJECT 23089

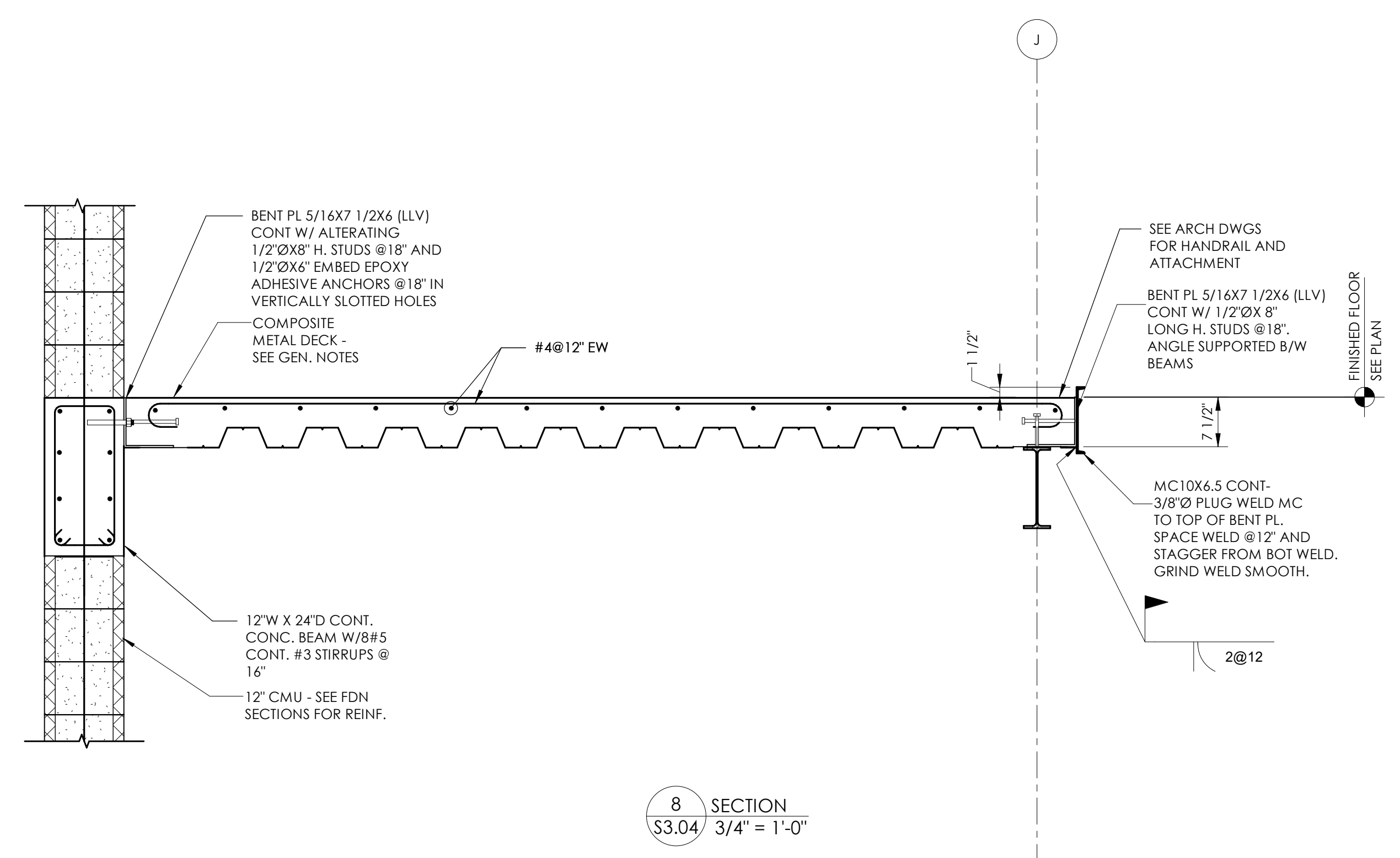
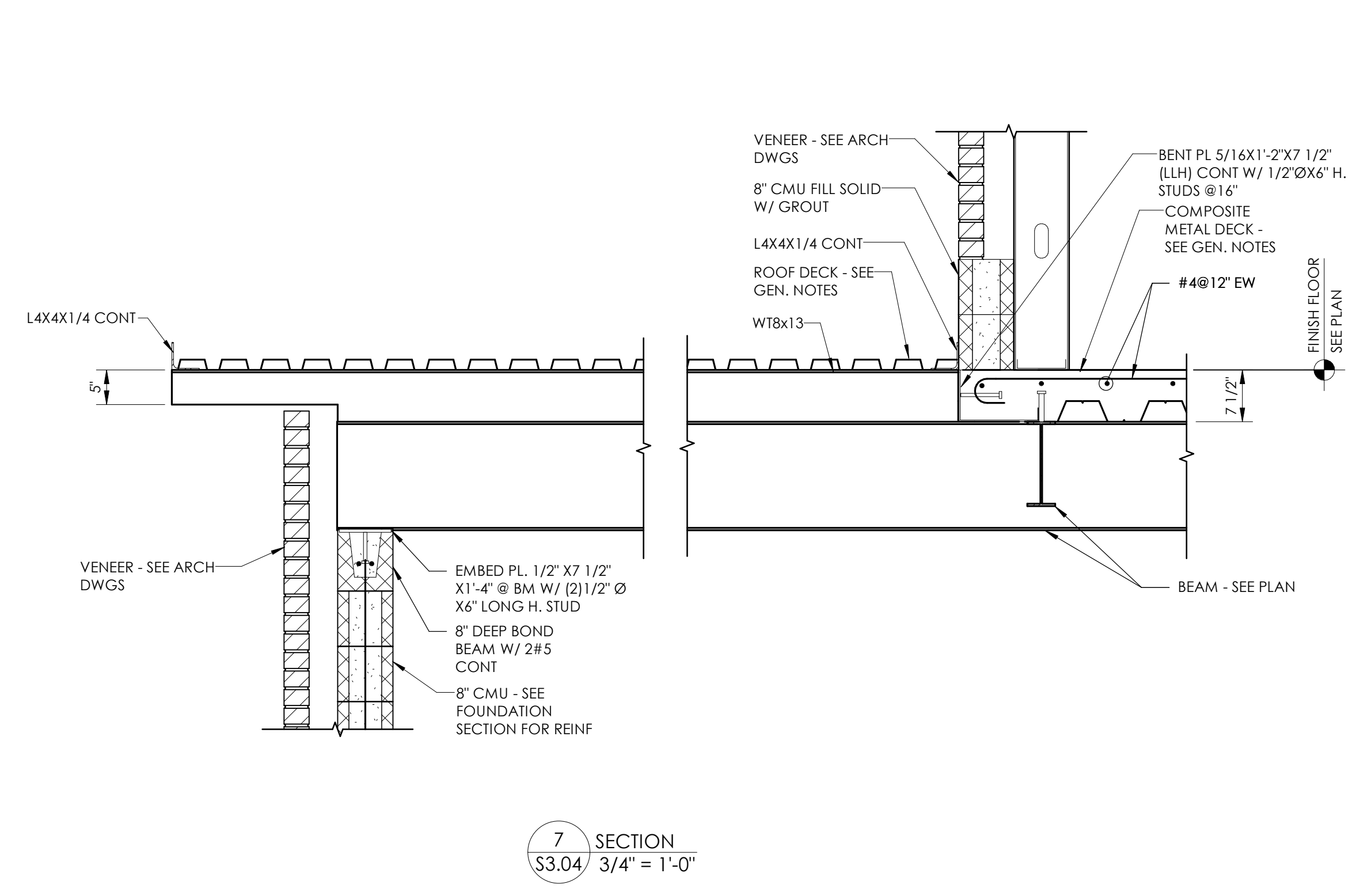
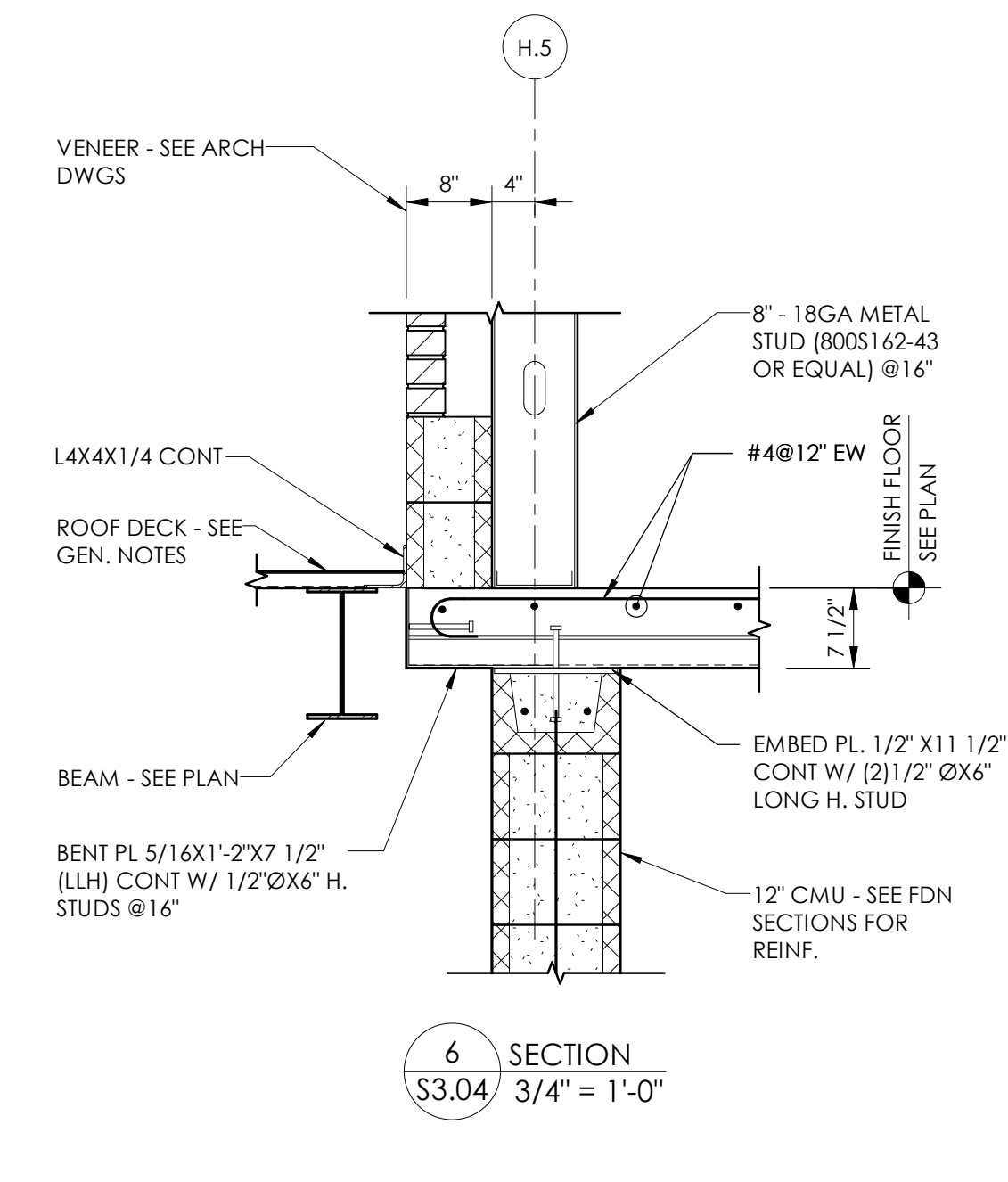
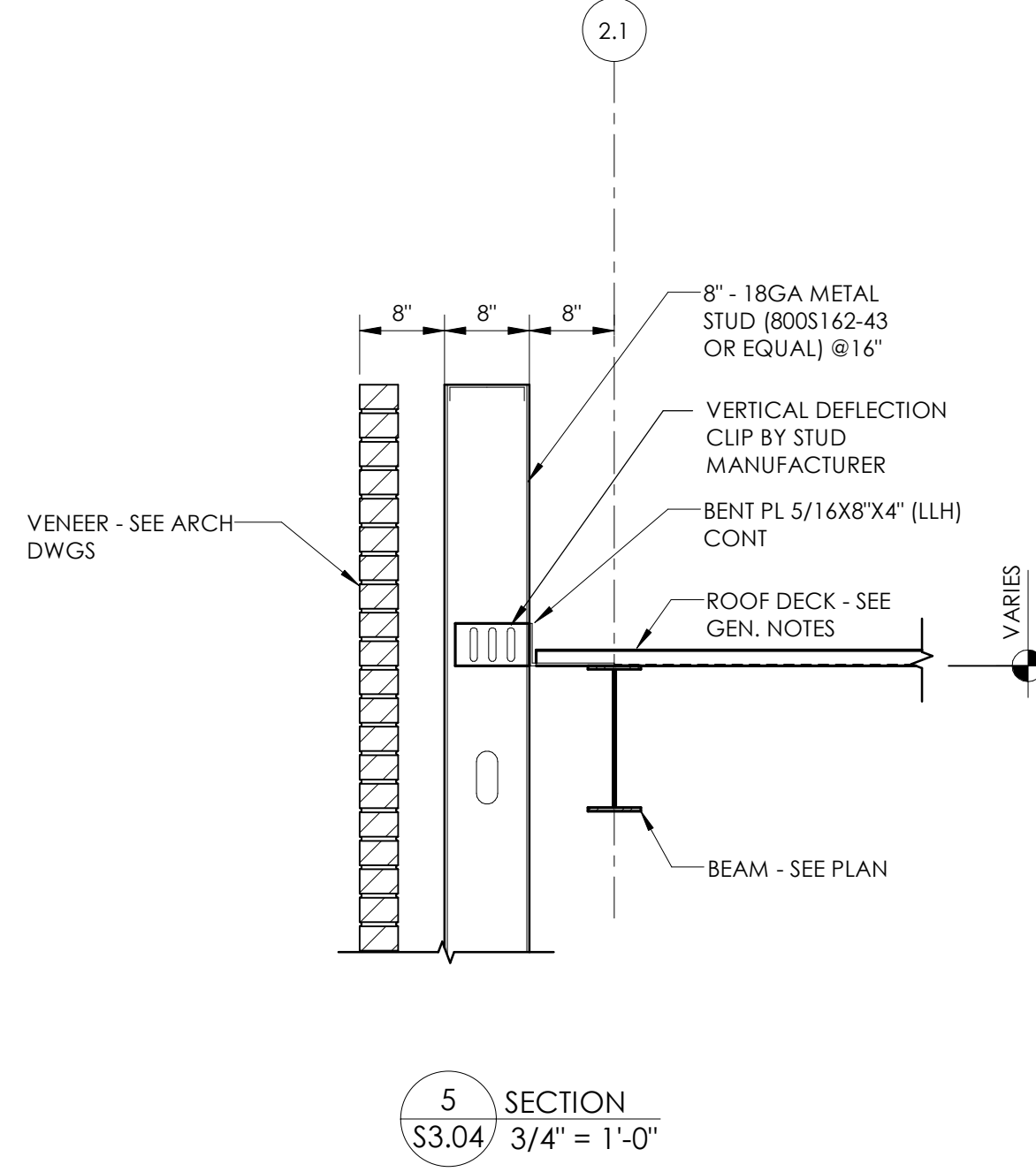
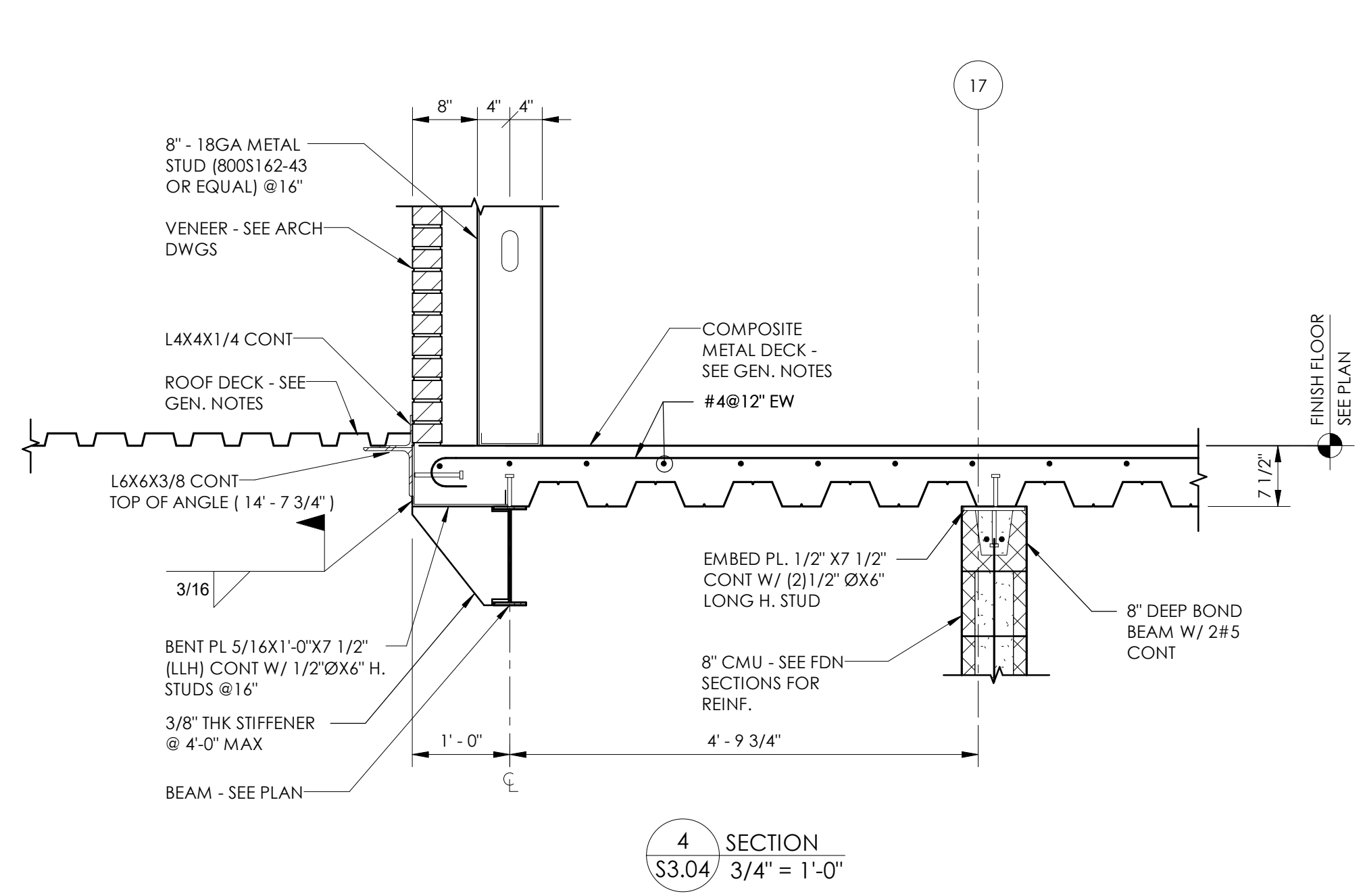
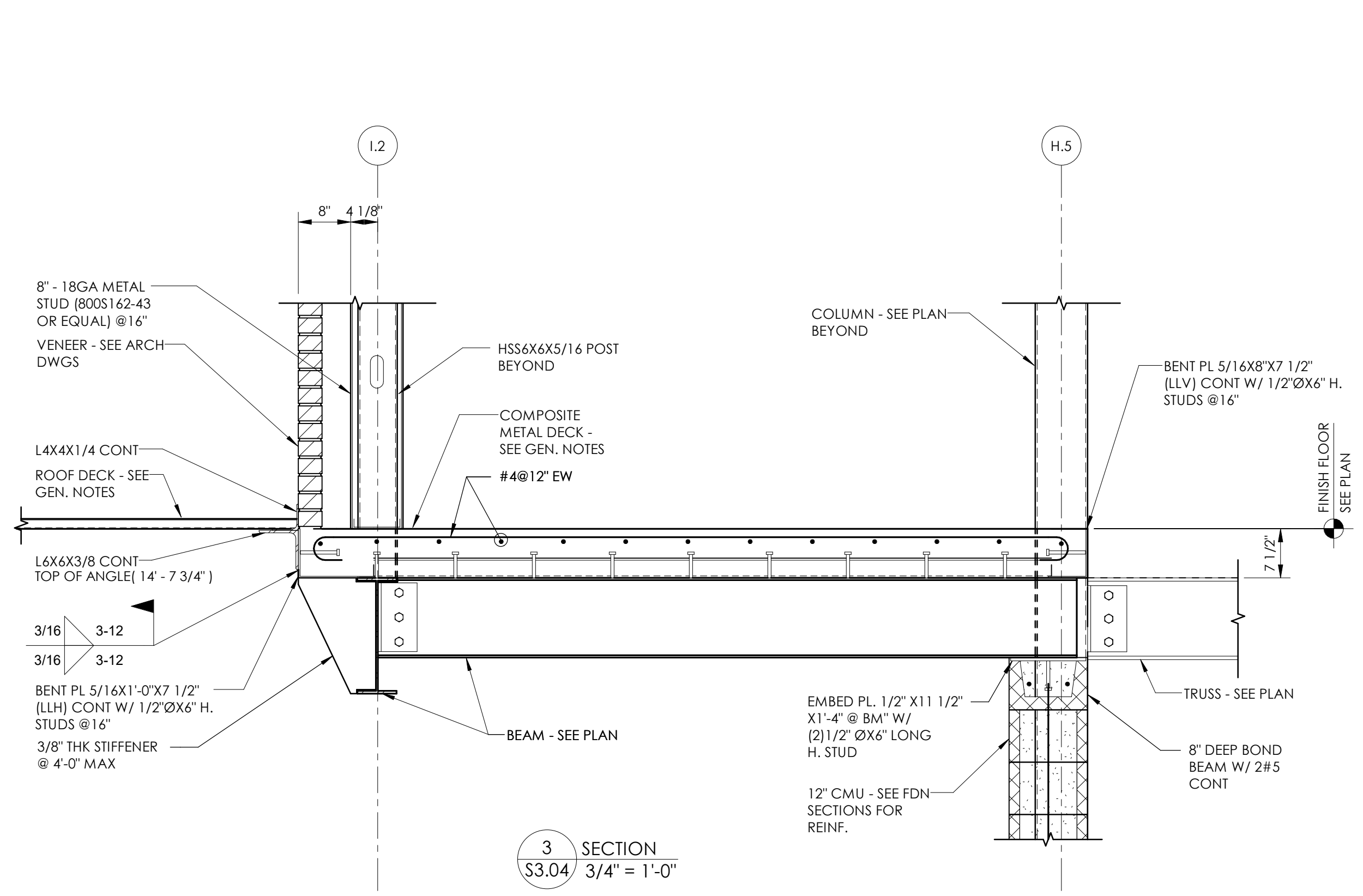
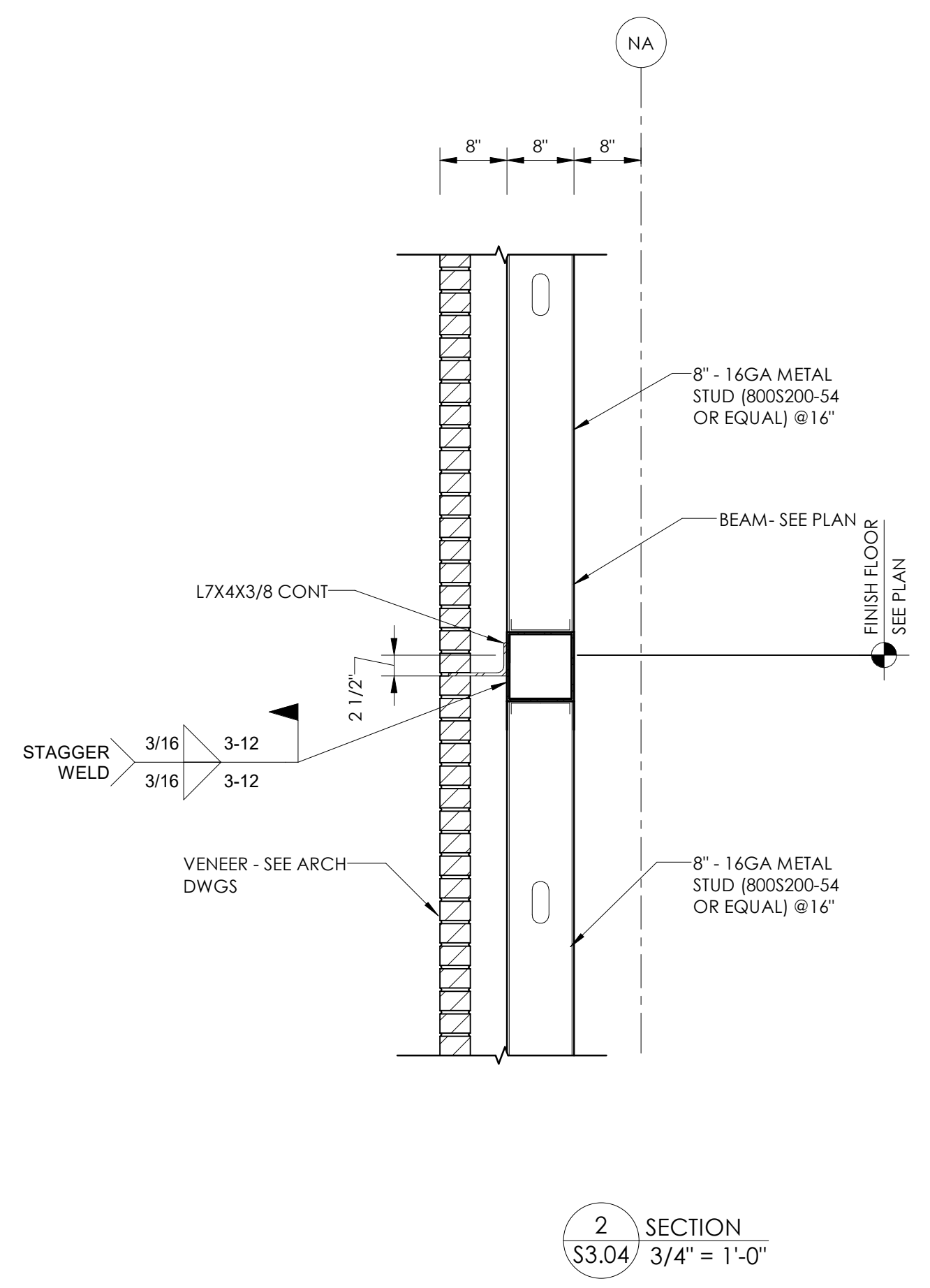
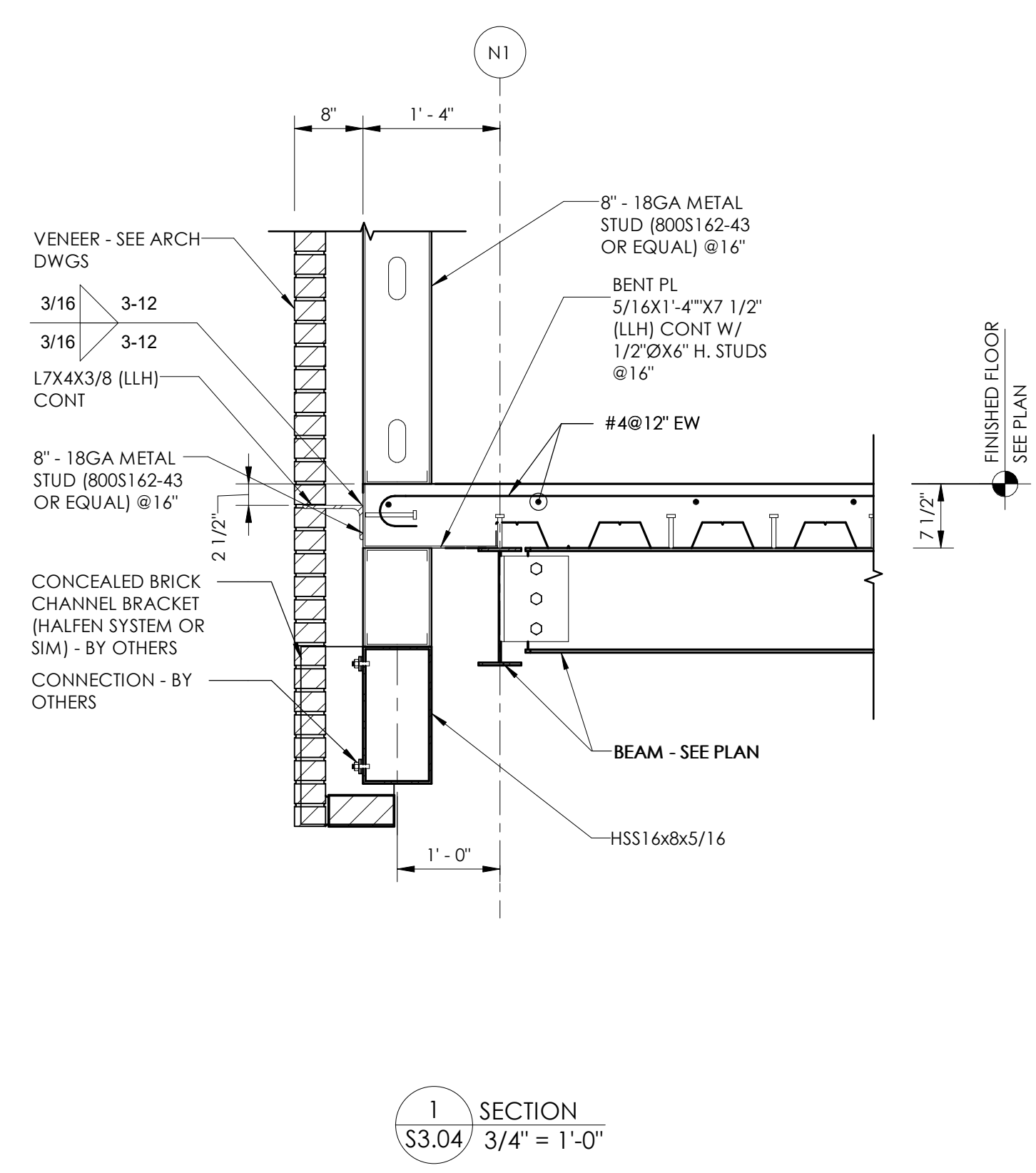
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S3.04

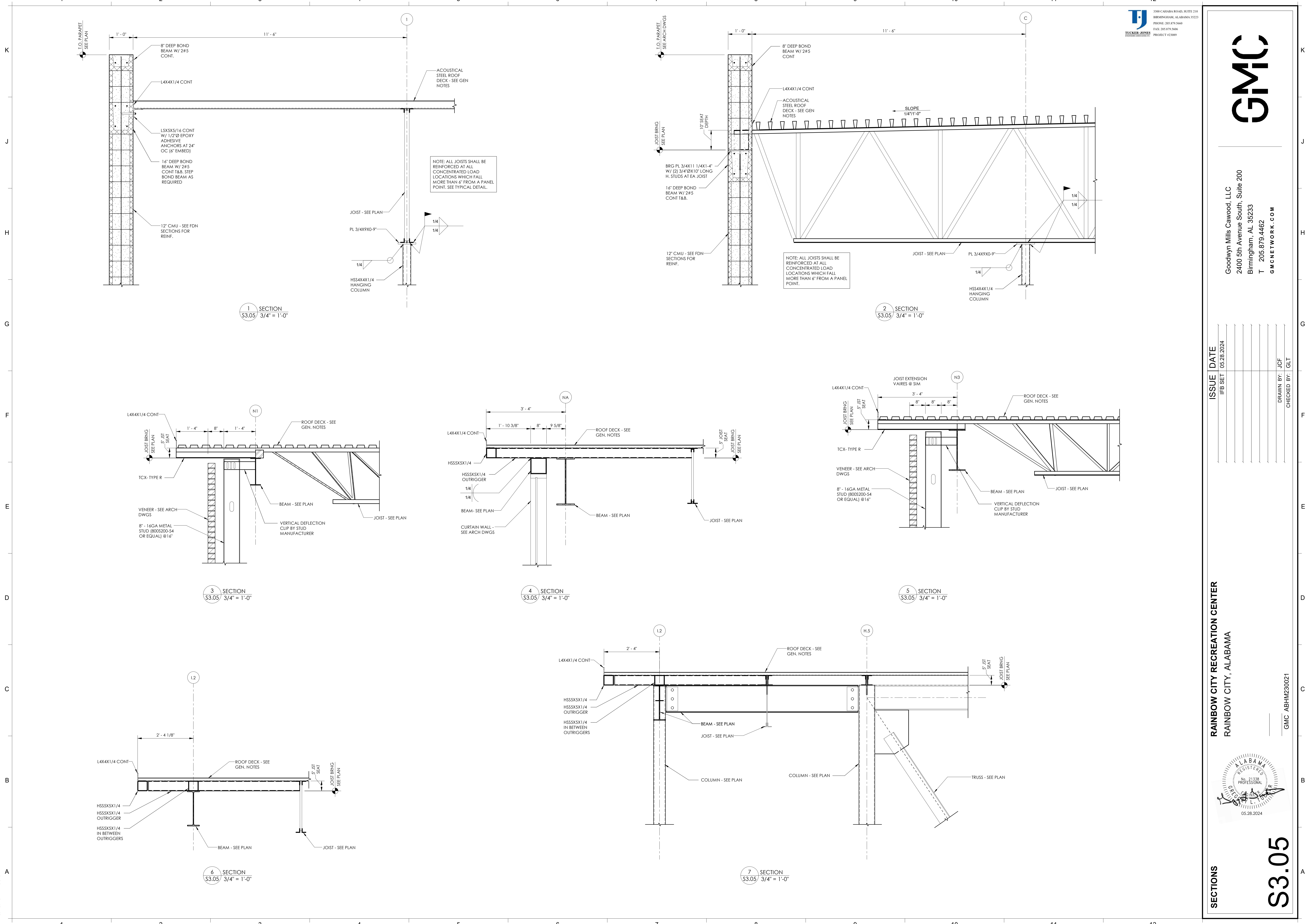


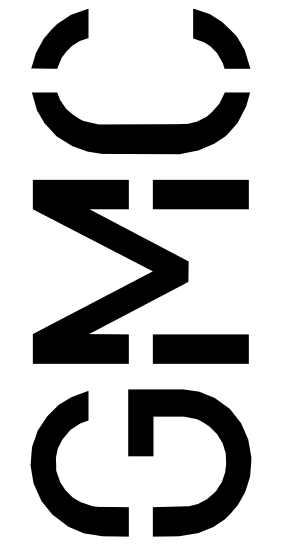
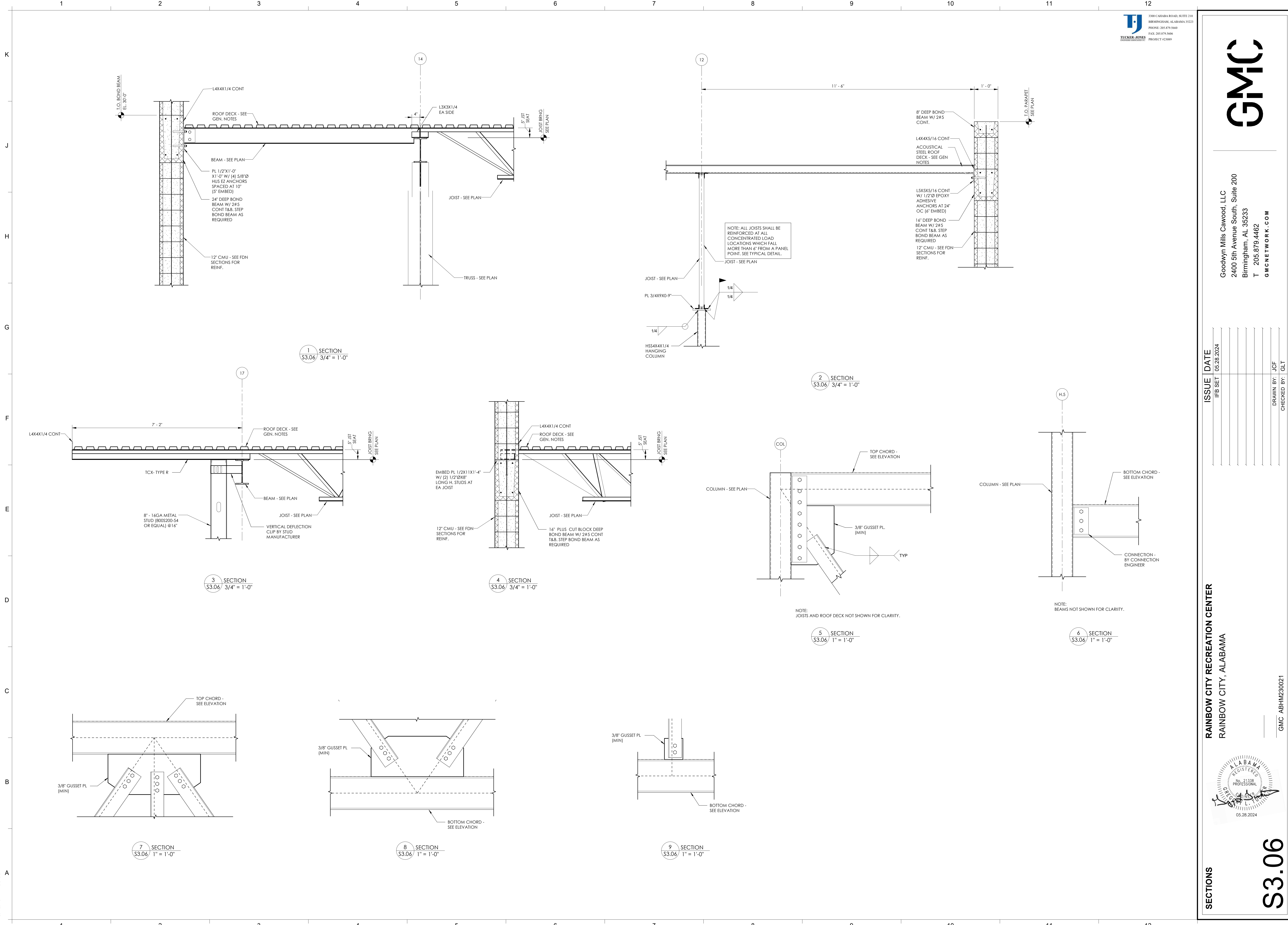
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S3.06

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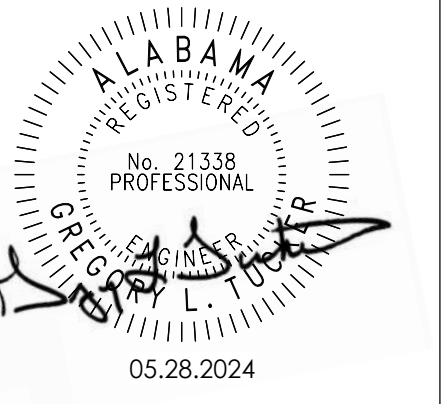
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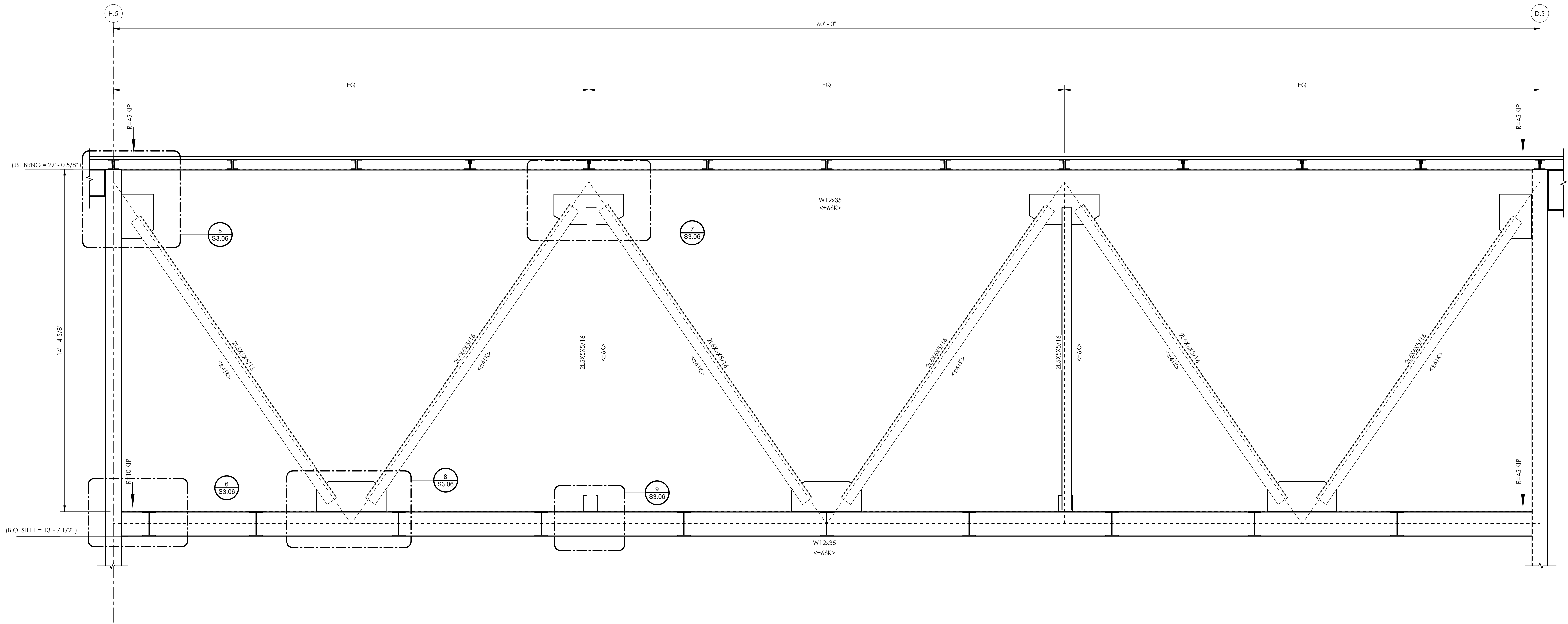
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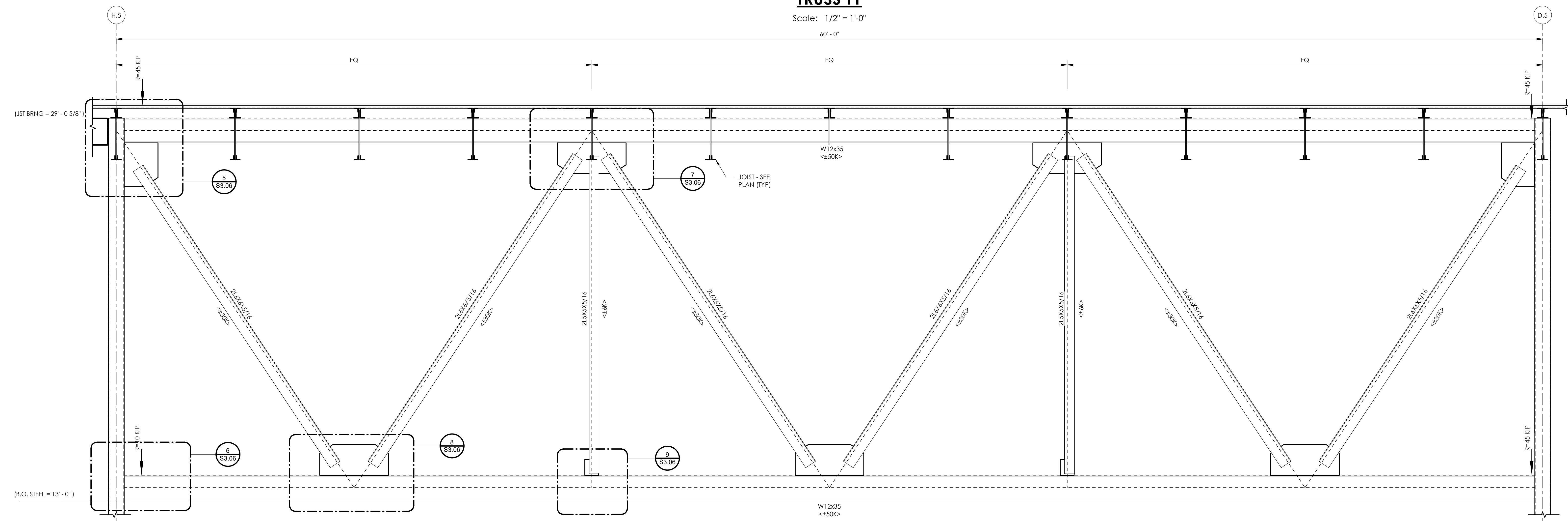
TRUSS ELEVATIONS

S4.01



TRUSS T1

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



TRUSS T2

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

- NOTES:
1. ALL DIMENSIONS ARE TO NODAL "WORKING POINTS", UNLESS NOTED.
 2. GUSSET PLATES SHALL BE A MINIMUM OF 3/8" THICK, DESIGN BY CONNECTION ENGINEER.
 3. ALL STEEL SHALL BE AISC ARCHITECTURALLY EXPOSED STRUCTURAL STEEL.

ROOFTOP AC UNIT SCHEDULE - GAS HEAT

Table with columns: MARK, SERVES, SUPPLY FAN (CFM, OSA, E.S.P. IN. W.G., HP), COOLING CAPACITY (SENSIBLE MBH, TOTAL MBH), HEATING CAPACITY (ENT. AIR Fdb, L.V.G. AIR Fdb, INPUT MBH, OUTPUT MBH, ENT. AIR F, L.V.G. AIR Fdb/Fwb), REHEAT COIL (ENT. AIR Fdb/Fwb, L.V.G. AIR Fdb/Fwb), ACCESSORIES, MIN SEER/EEER, NOMINAL TONS, ELECTRICAL (VOLT V/Ø, MCA, RECOMMENDED FUSE), BASIS OF DESIGN (TRANE).

FAN SCHEDULE

Table with columns: MARK, SERVES, LOCATION, TYPE, CFM, E.S.P. IN. W.G., LIMIT, MOTOR (WATTS, V/Ø), ACCESSORIES, INTERLOCK, BASIS OF DESIGN (GREENHECK).

GRAVITY VENT SCHEDULE

Table with columns: MARK, SERVICE, TYPE, AIR FLOW CFM, MAX. AP IN. W.G., ACCESSORIES, BASIS OF DESIGN (GREENHECK).

HEAT PUMP UNIT SCHEDULE - AIR COOLED (ERU)

Table with columns: MARK, SERVES, ACCESSORIES, NOMINAL TON, MIN. SEER/EEER, ELEC. (VOLT V/Ø, MCA, RECOMMENDED FUSE), BASIS OF DESIGN (TRANE).

VARIABLE REFRIGERANT FLOW ZONING SYSTEM BRANCH CONTROLLER SCHEDULE

Table with columns: MARK, SERVES, ELEC. V/Ø, NUMBER OF BRANCH CONNECTIONS, BASIS OF DESIGN (TRANE).

VARIABLE REFRIGERANT FLOW ZONING SYSTEM INDOOR UNIT SCHEDULE

Table with columns: MARK, SERVES, TYPE, SUPPLY FAN (CFM, (kW)), OSA (CFM), COOLING CAPACITY (TOTAL MBH, ENT. AIR *Fdb, *Fwb), HEATING CAPACITY (MBH, ENT. AIR *F), ACCESSORIES, ELECTRICAL V/Ø, NOMINAL TONS, MCA/MOP, BASIS OF DESIGN (MITSUBISHI).

Table with columns: TYPE, ACCESSORIES, NOTES.

VARIABLE REFRIGERANT FLOW ZONING SYSTEM OUTDOOR UNIT SCHEDULE

Table with columns: MARK, SERVES, ACCESSORIES, ELEC. V/Ø, NOMINAL COOLING CAPACITY (MBH), NOMINAL HEATING CAPACITY (MBH), BASIS OF DESIGN (TRANE).

ELECTRIC HEATER SCHEDULE

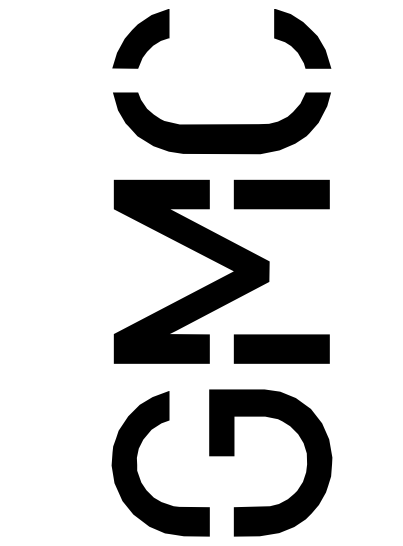
Table with columns: MARK, SERVES, TYPE, CAPACITY, ELECTRICAL V/Ø, ACCESSORIES, BASIS OF DESIGN (MARKEL).

ONE LINE PIPE SYMBOLS

Table of pipe symbols including Elbow, Tee, Reducer, Direction of Pitch, etc.

DUCTWORK SYMBOLS

Table of ductwork symbols including Thermostat, Humidistat, Temperature Sensor, Supply Air Duct, etc.



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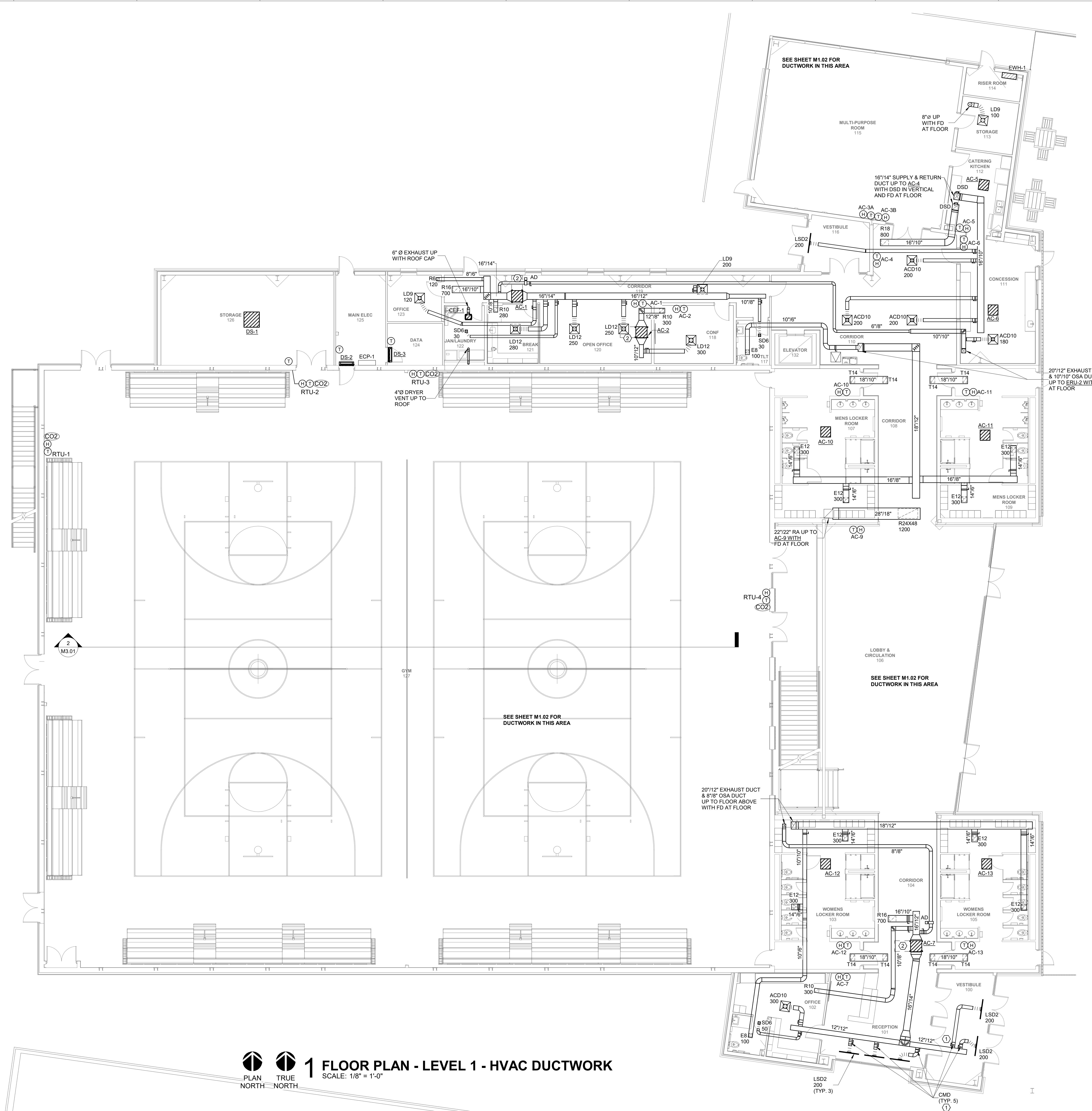


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Vestavia Hills, AL 35216
Phone: (205) 224-0550

M0.01

1 2 3 4 5 6 7 8 9 10 11 12

K J I H G F E D C B A



SEE SHEET M1.02 FOR DUCTWORK IN THIS AREA

SEE SHEET M1.02 FOR DUCTWORK IN THIS AREA

SEE SHEET M1.02 FOR DUCTWORK IN THIS AREA

KEYED NOTES:

- ① CMD REMOTE DAMPER ACTUATOR MOUNTED IN GYP. CEILING. COORDINATE LOCATION FOR ACTUATOR/COVER PLATE WITH ARCHITECTURAL RCP AND ALL TRADES.
- ② MAINTAIN 3'-0" CLEARANCE FOR MAINTENANCE ACCESS AND ELECTRICAL CLEARANCE

PLAN TRUE NORTH
1 FLOOR PLAN - LEVEL 1 - HVAC DUCTWORK
 SCALE: 1/8" = 1'-0"

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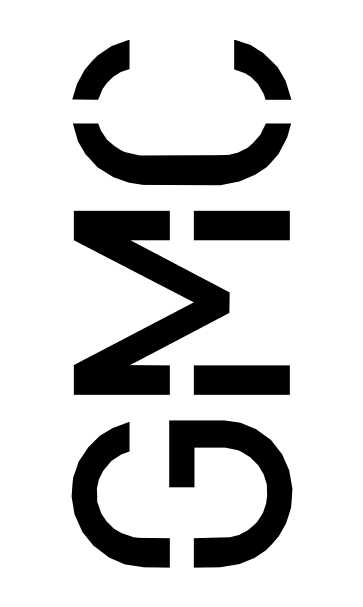
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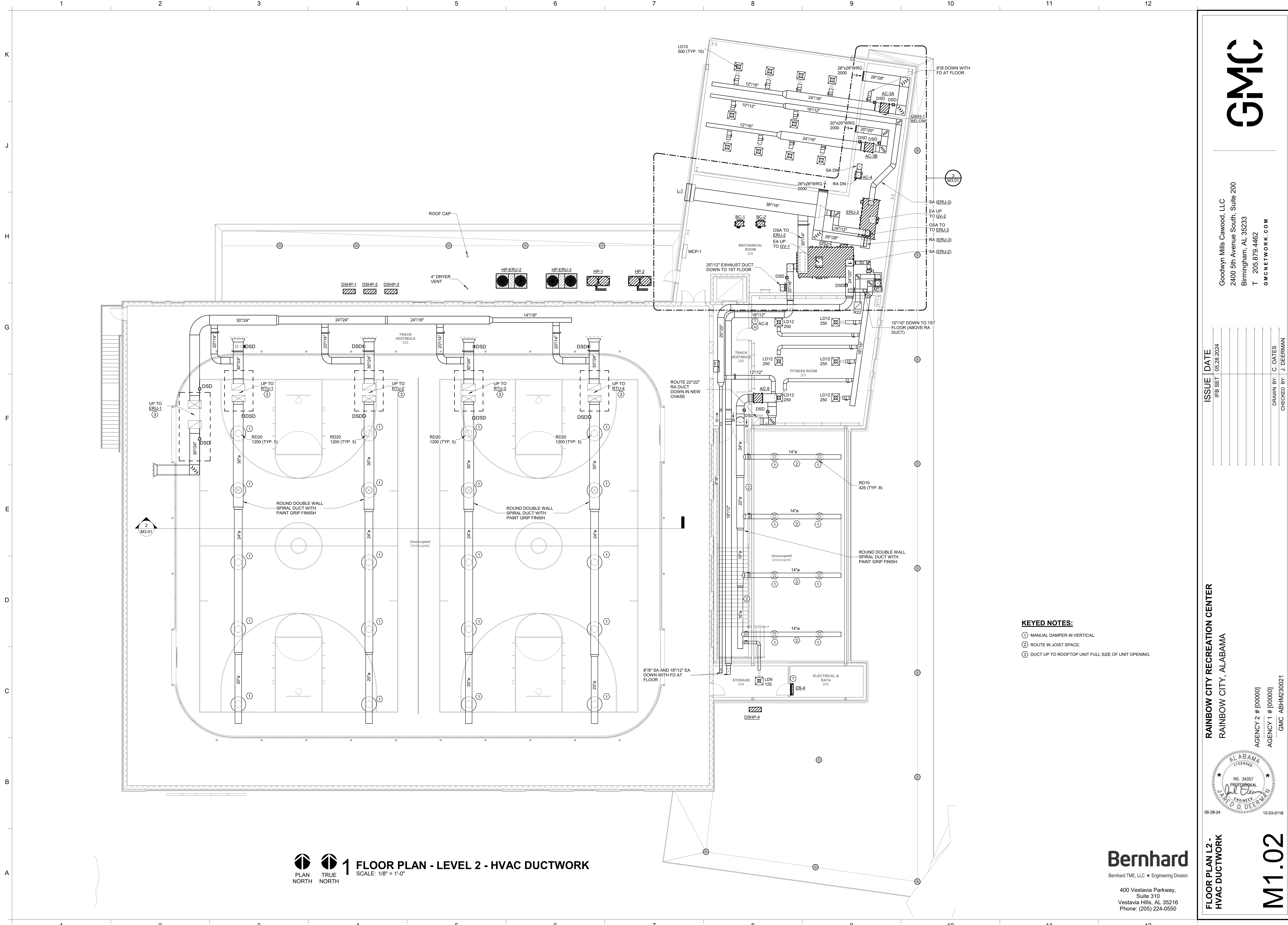
FLOOR PLAN L1 - HVAC DUCTWORK
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1 FLOOR PLAN - LEVEL 2 - HVAC DUCTWORK
PLAN NORTH TRUE NORTH
SCALE: 1/8" = 1'-0"

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FLOOR PLAN L2 -
HVAC DUCTWORK

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J. Fred D. Deetman
ENGINEER
ALABAMA LICENSED
NO. 34357
05-28-24 12-23-018

M1.02

- KEYED NOTES:**
- ① MANUAL DAMPER IN VERTICAL.
 - ② ROUTE IN JOIST SPACE.
 - ③ DUCT UP TO ROOFTOP UNIT FULL SIZE OF UNIT OPENING.

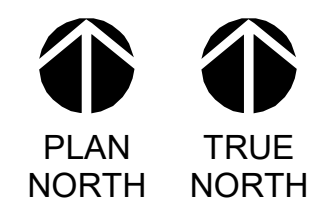
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1 FLOOR PLAN - ROOF - HVAC DUCTWORK
SCALE: 1/8" = 1'-0"

KEYED NOTES:

- ① MAINTAIN A MINIMUM DISTANCE OF 10'-0" BETWEEN OUTSIDE AIR INTAKES AND EXHAUST TERMINATIONS.
- ② ROUTE CONDENSATE DRAIN TO NEAREST ROOF DRAIN. SUPPORT PIPING PER THE SPECIFICATIONS.



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ROOF PLAN - HVAC

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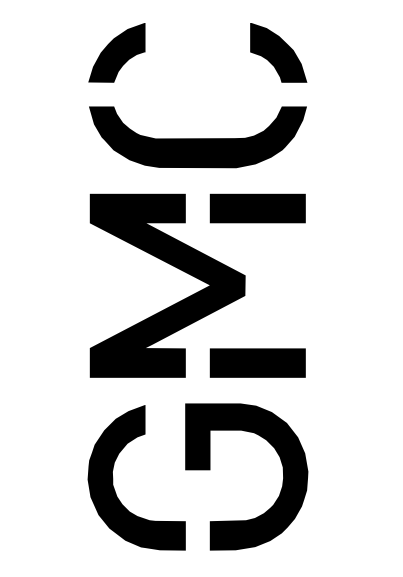
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ROOF PLAN - HVAC

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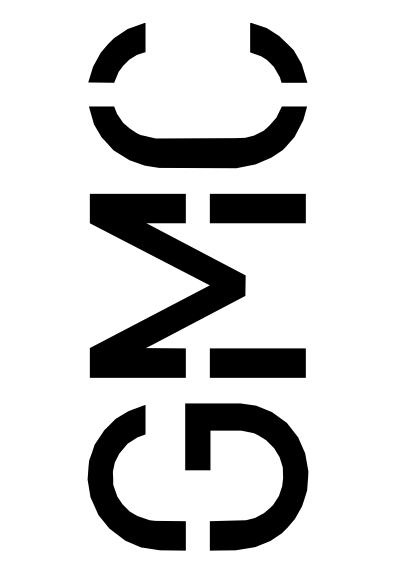
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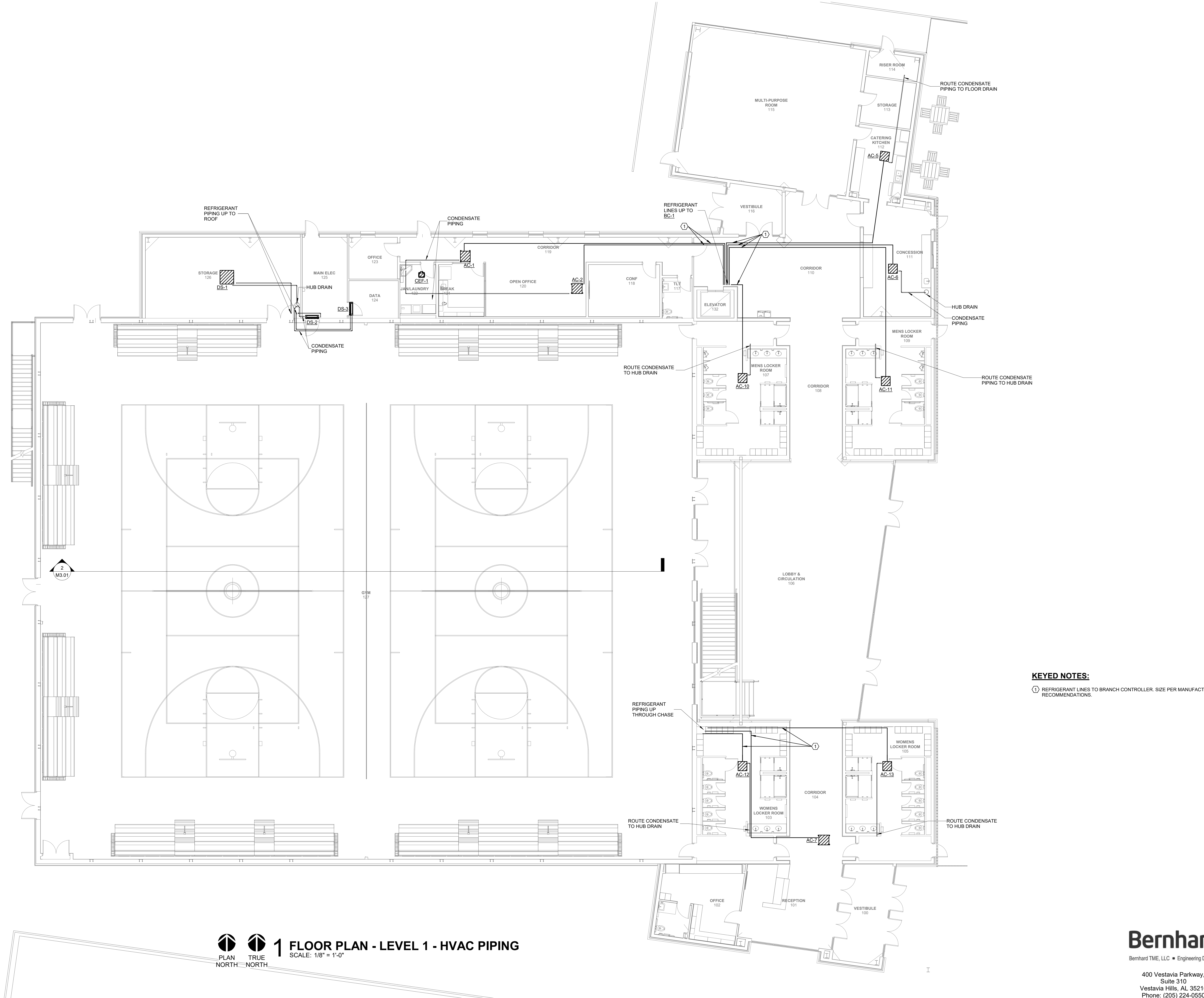
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1 FLOOR PLAN - LEVEL 1 - HVAC PIPING
SCALE: 1/8" = 1'-0"
PLAN TRUE NORTH
TRUE NORTH

KEYED NOTES:
① REFRIGERANT LINES TO BRANCH CONTROLLER. SIZE PER MANUFACTURER'S RECOMMENDATIONS.

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ISSUE DATE	DATE
IFB SET	05/28/2024

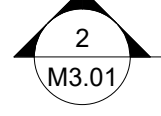
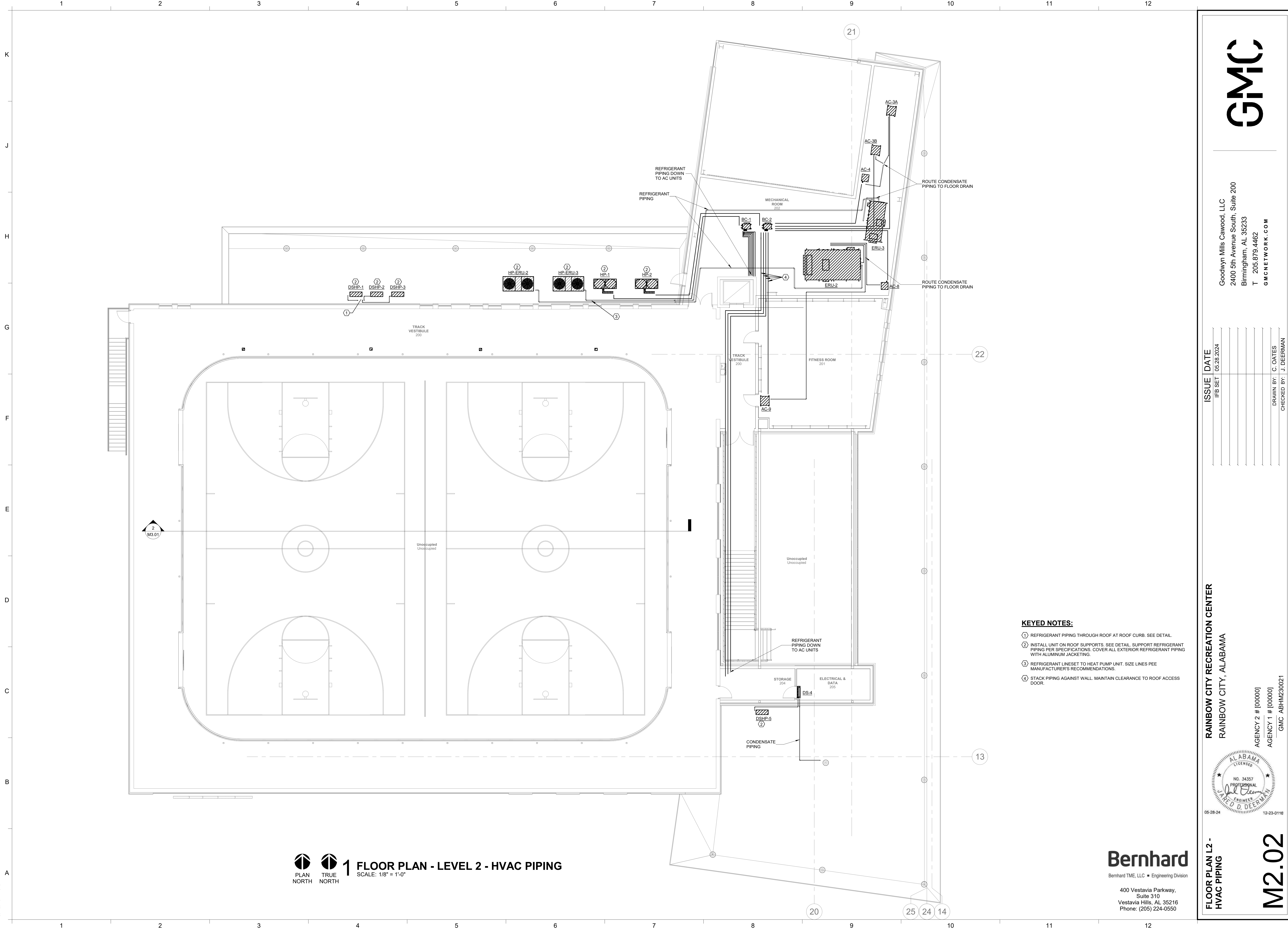
DRAWN BY: C. OATES
CHECKED BY: J. DEERMAN

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FLOOR PLAN L1 - HVAC PIPING
M2.01

AGENCY 2 # [00000]
AGENCY 1 # [00000]
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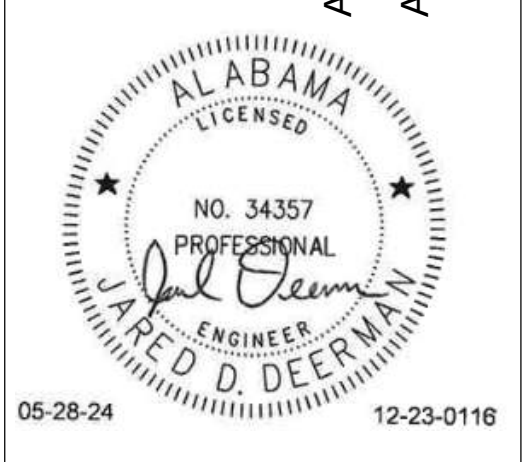
1 FLOOR PLAN - LEVEL 2 - HVAC PIPING
SCALE: 1/8" = 1'-0"

KEYED NOTES:

- 1 REFRIGERANT PIPING THROUGH ROOF AT ROOF CURB. SEE DETAIL.
- 2 INSTALL UNIT ON ROOF SUPPORTS. SEE DETAIL. SUPPORT REFRIGERANT PIPING PER SPECIFICATIONS. COVER ALL EXTERIOR REFRIGERANT PIPING WITH ALUMINUM JACKETING.
- 3 REFRIGERANT LINESET TO HEAT PUMP UNIT. SIZE LINES PER MANUFACTURER'S RECOMMENDATIONS.
- 4 STACK PIPING AGAINST WALL. MAINTAIN CLEARANCE TO ROOF ACCESS DOOR.

FLOOR PLAN L2 - HVAC PIPING

RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA

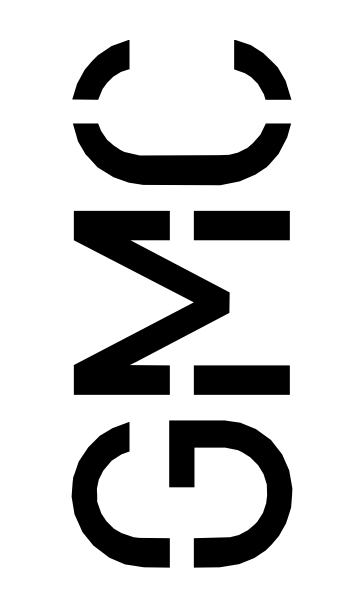


M2.02

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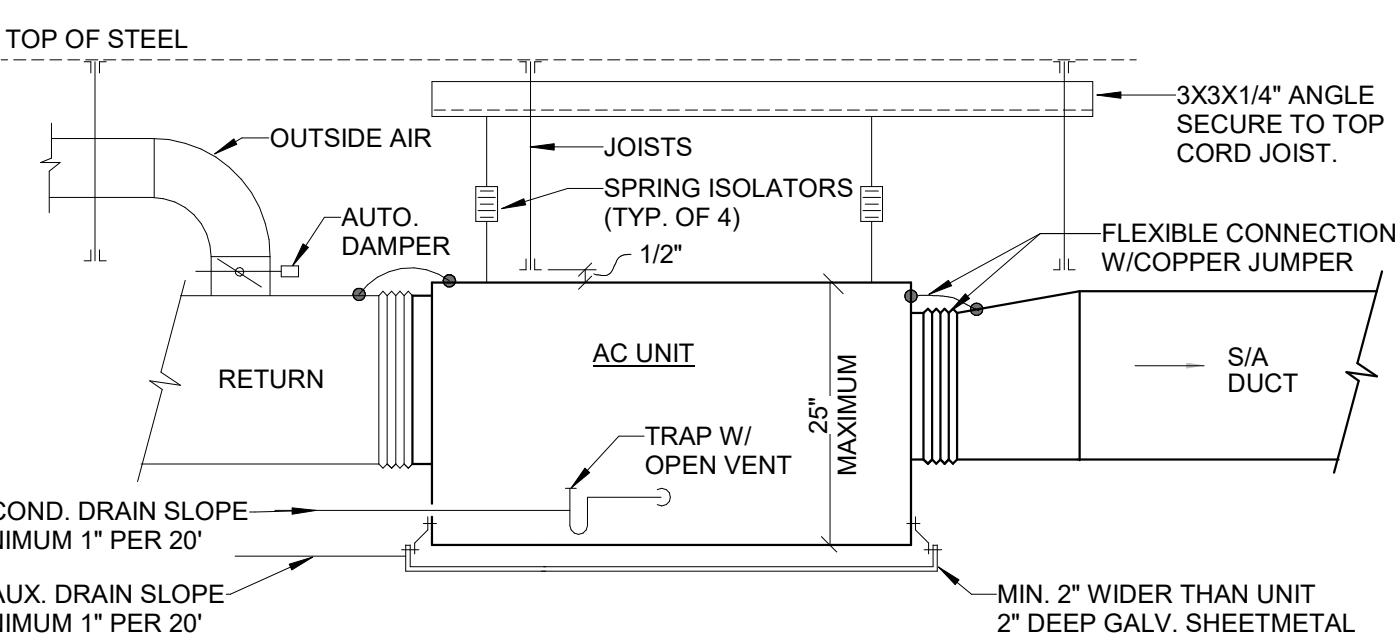
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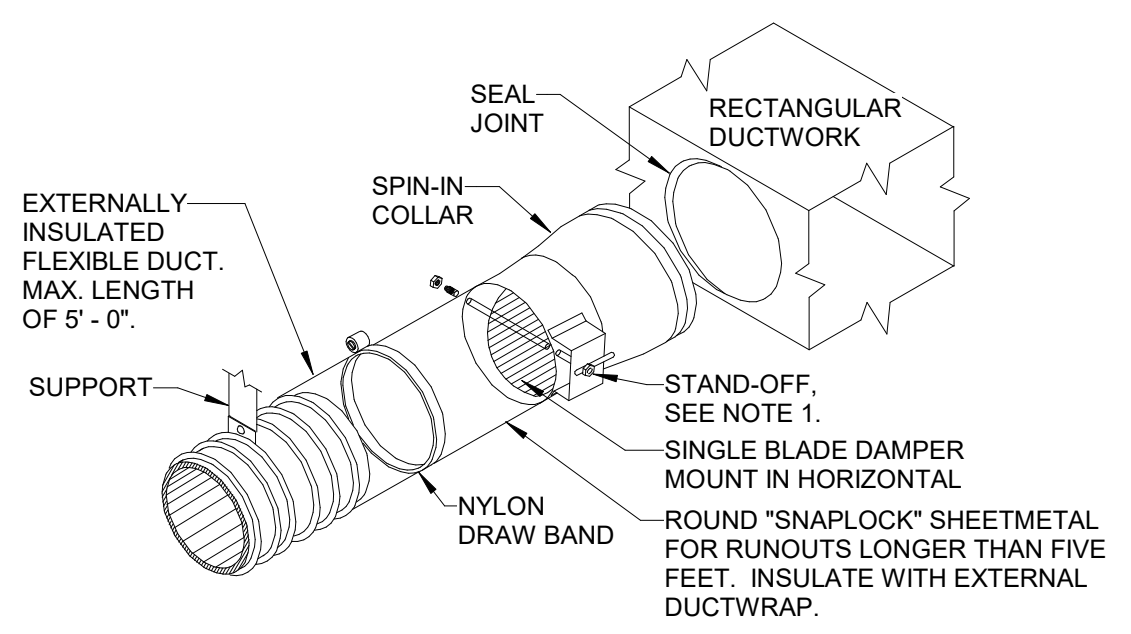
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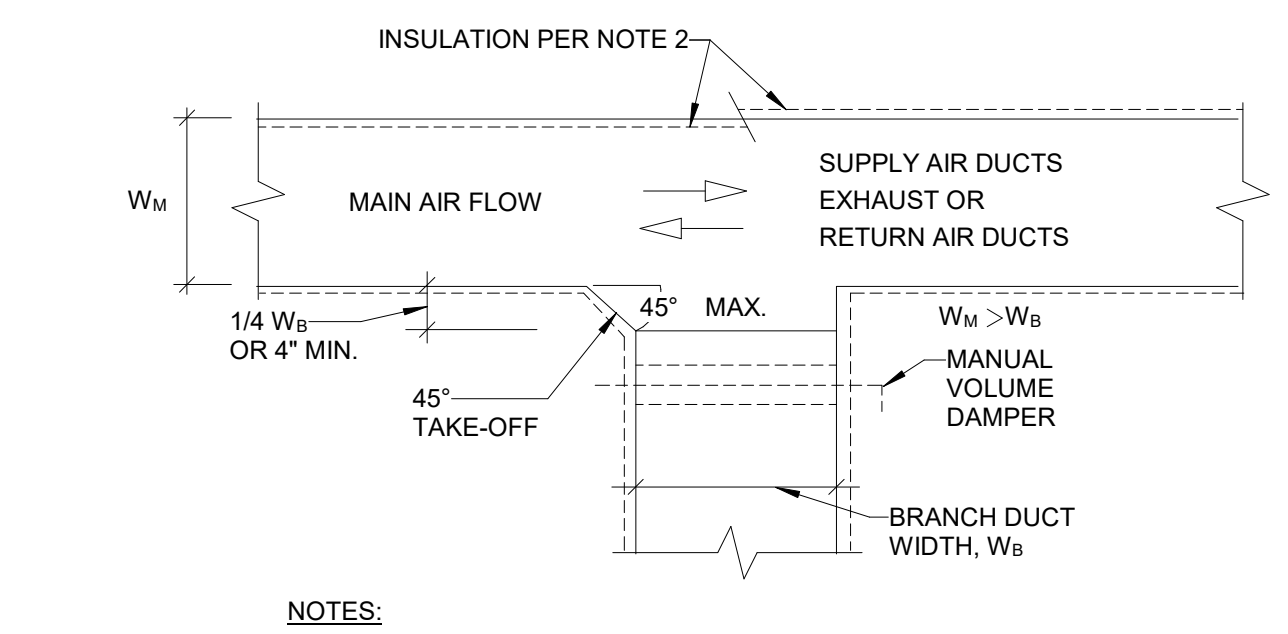
DRAWN BY: C. OATES
CHECKED BY: J. DEERMAN



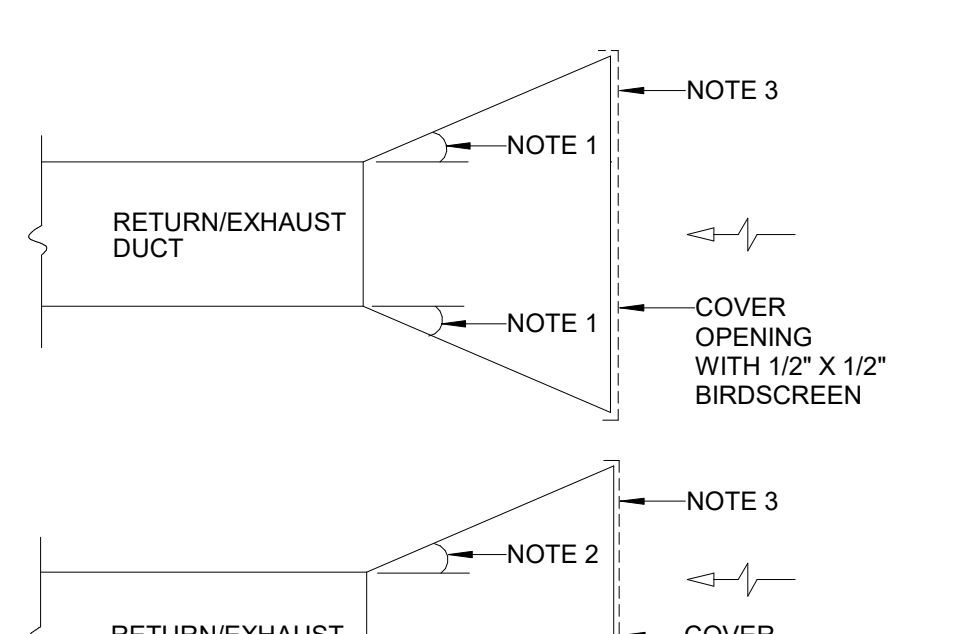
1 TYPICAL HORIZONTAL AC UNIT DETAIL
SCALE: NOT TO SCALE:



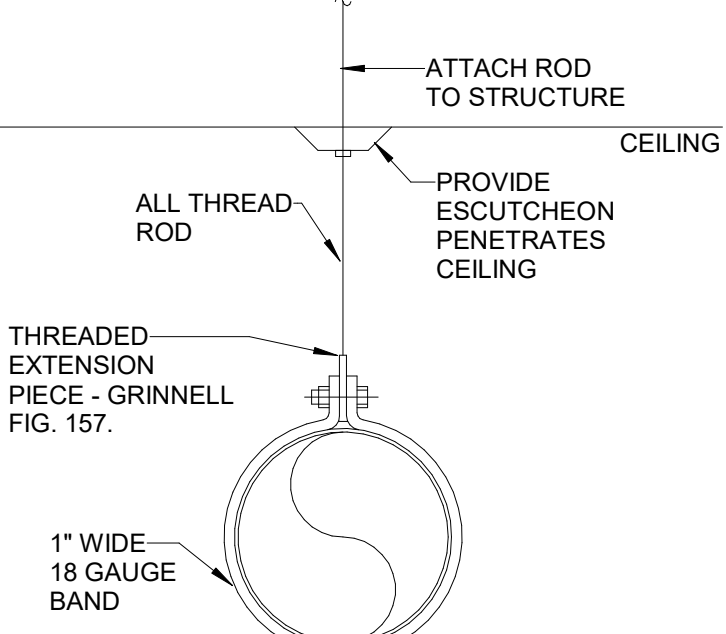
2 LOW PRESSURE ROUND BRANCH DUCT CONNECTOR DETAIL
SCALE: NOT TO SCALE:



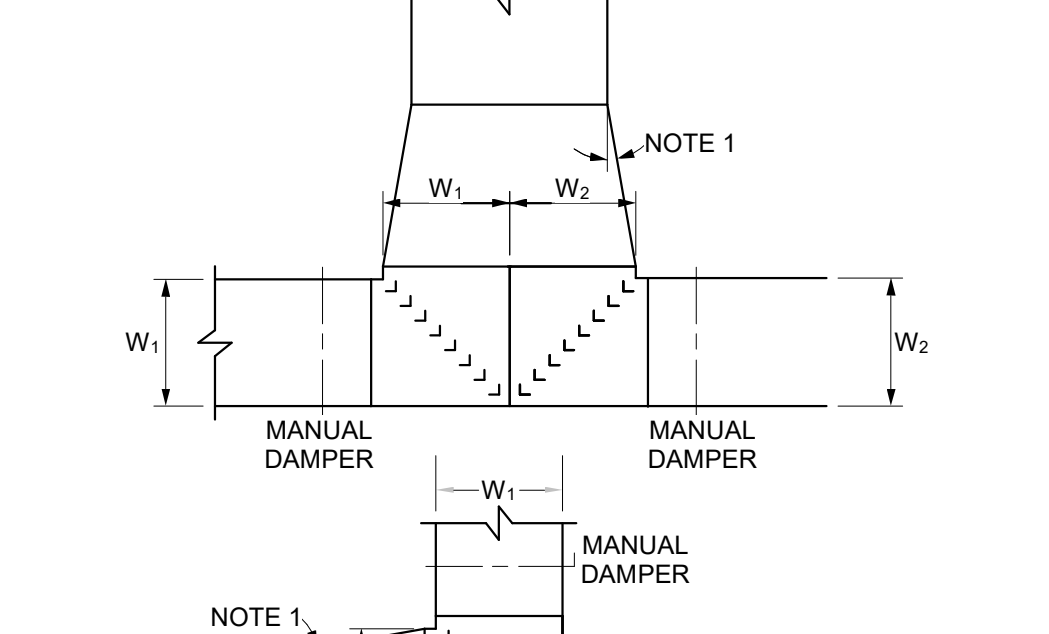
3 DUCT BRANCH TAKE-OFF DETAIL
SCALE: NOT TO SCALE:



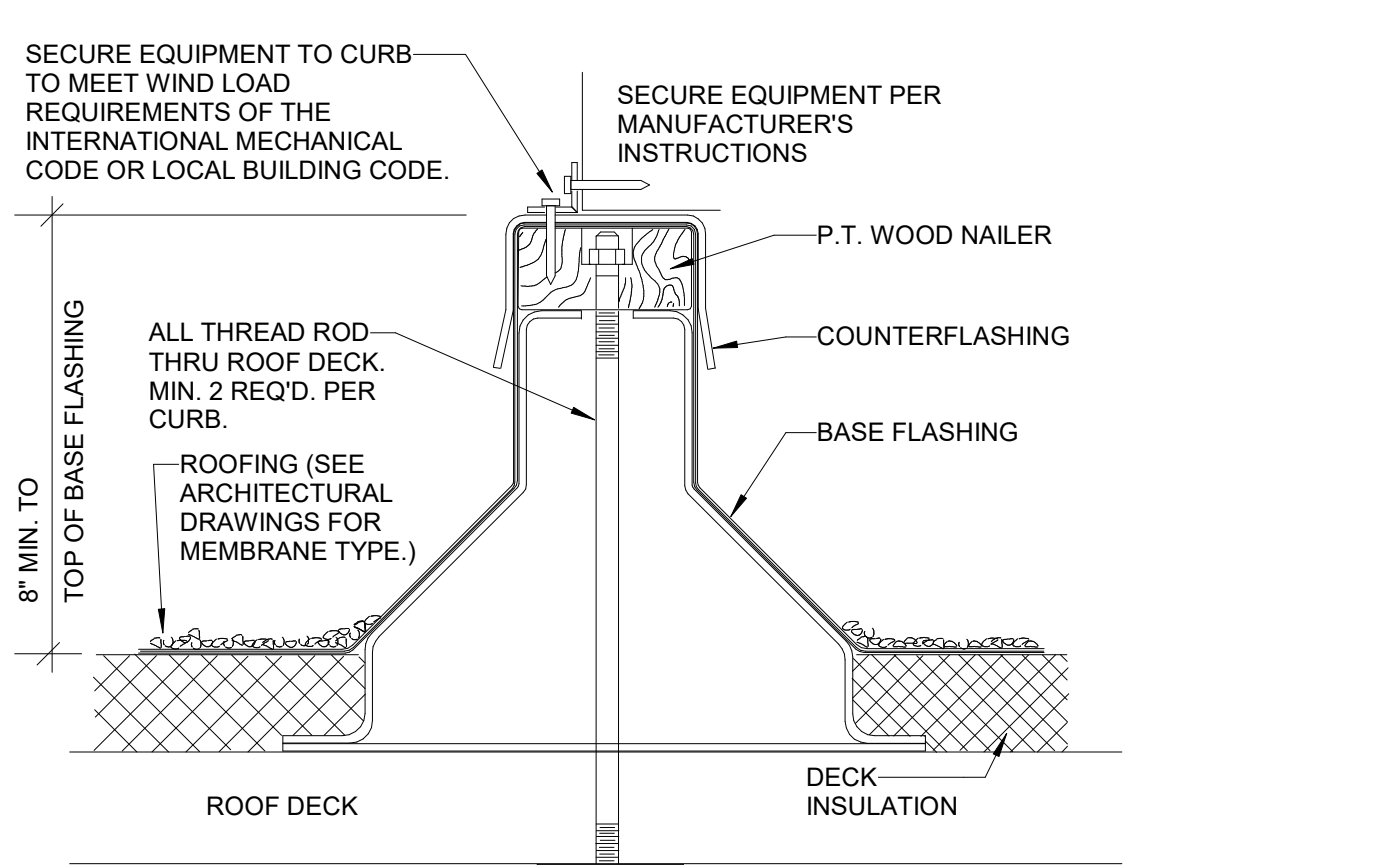
4 RETURN/EXHAUST DUCT OPENING DETAIL
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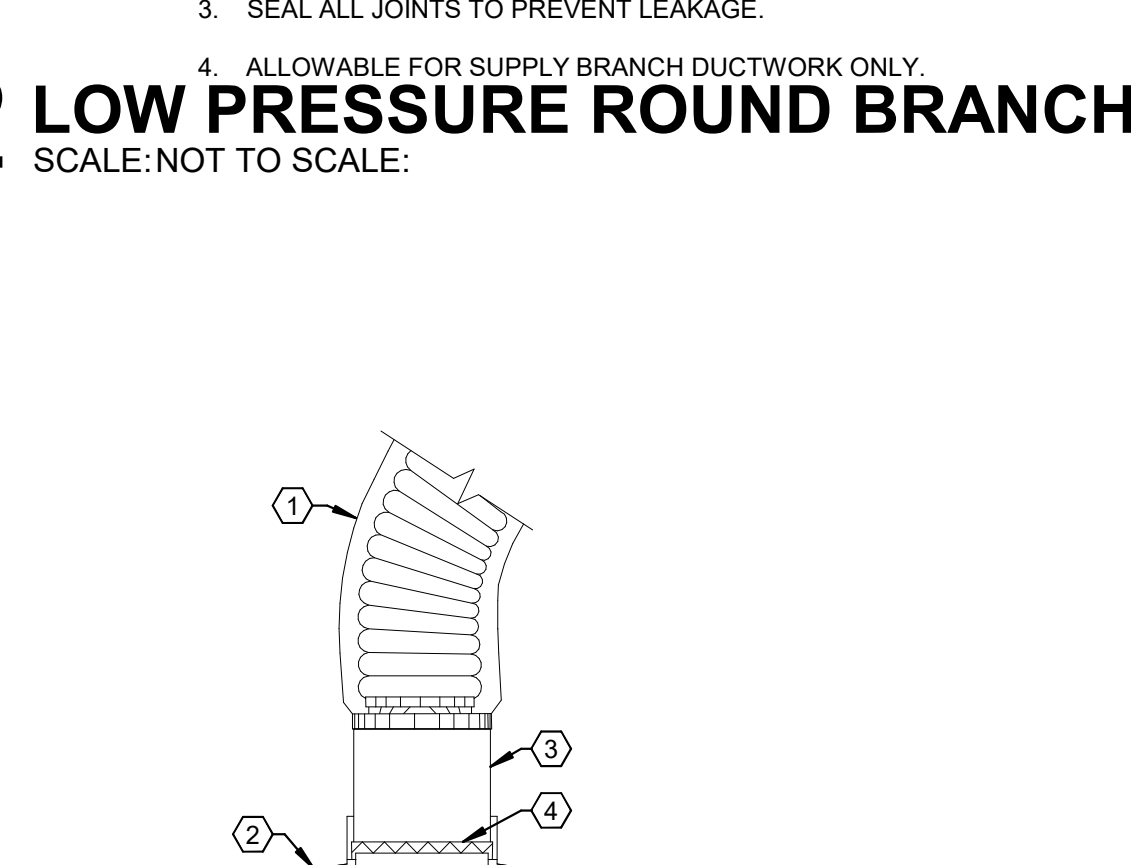
5 EXPOSED DUCT SUPPORT DETAIL
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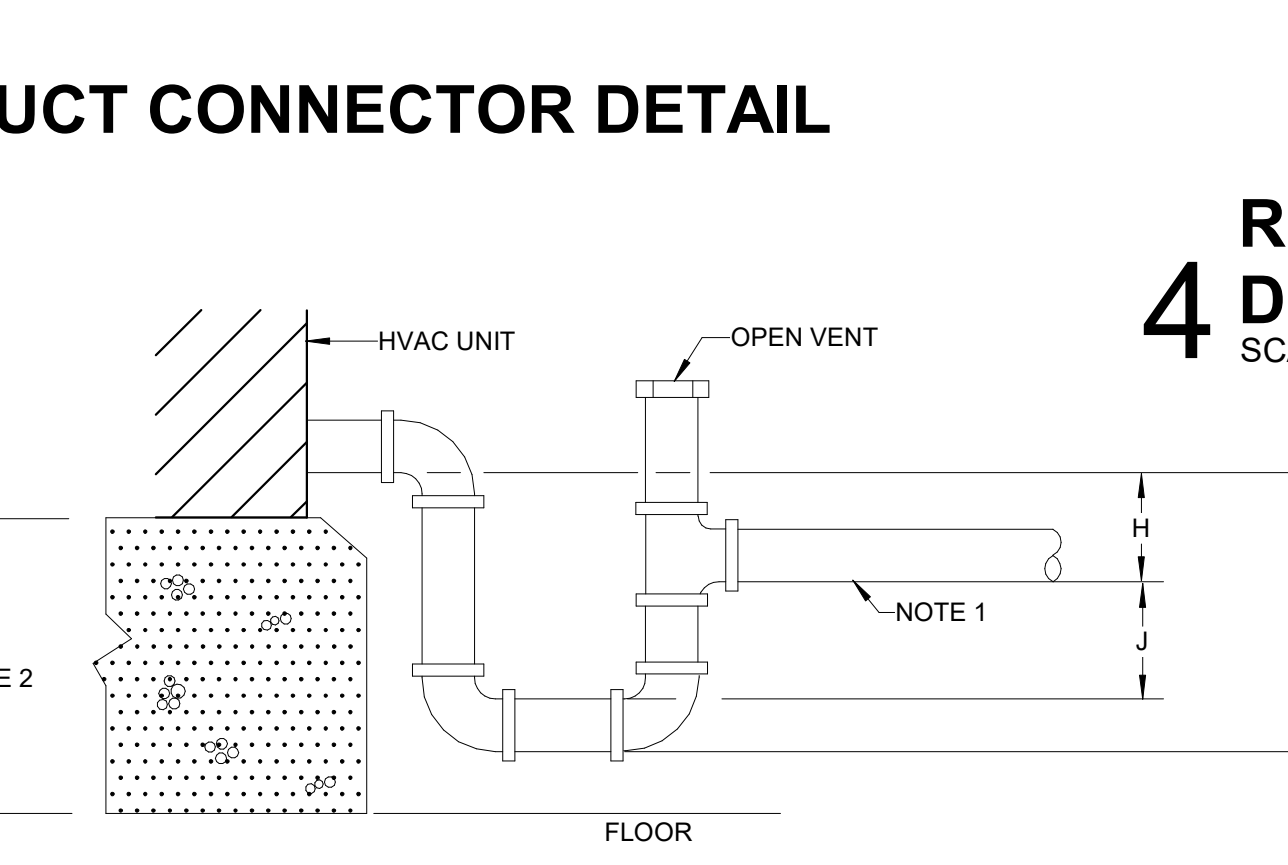
6 EQUAL AREA SPLITTER DETAIL
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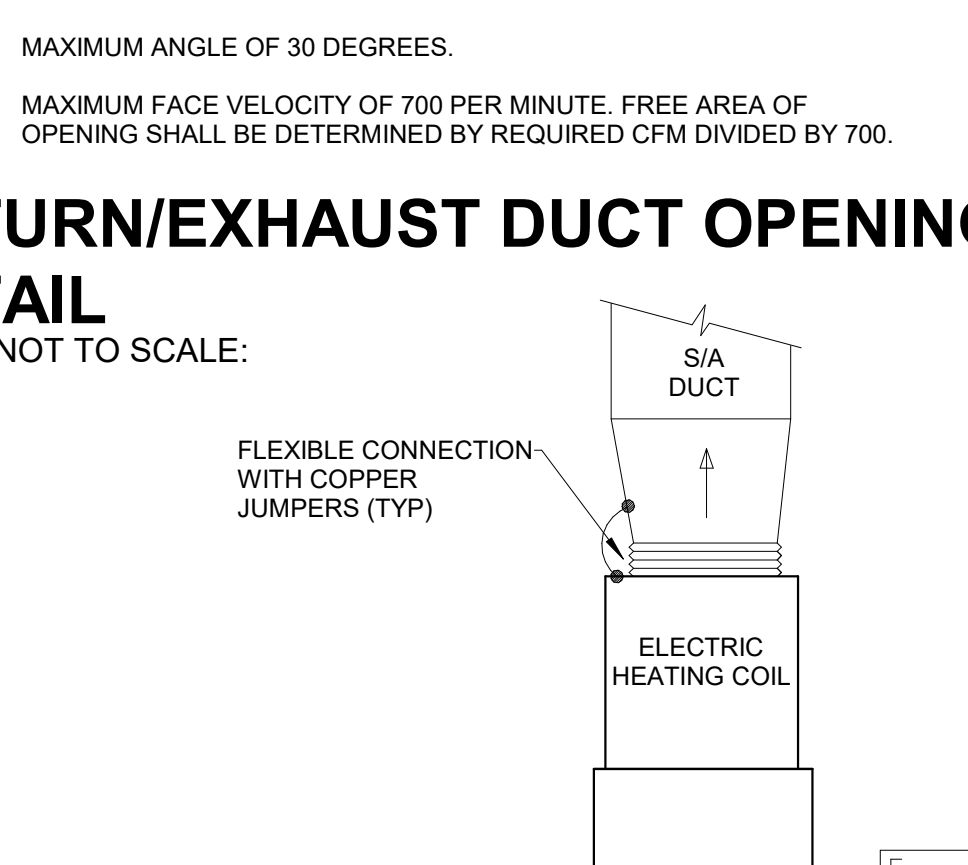
7 EQUIPMENT ROOF SUPPORT DETAIL
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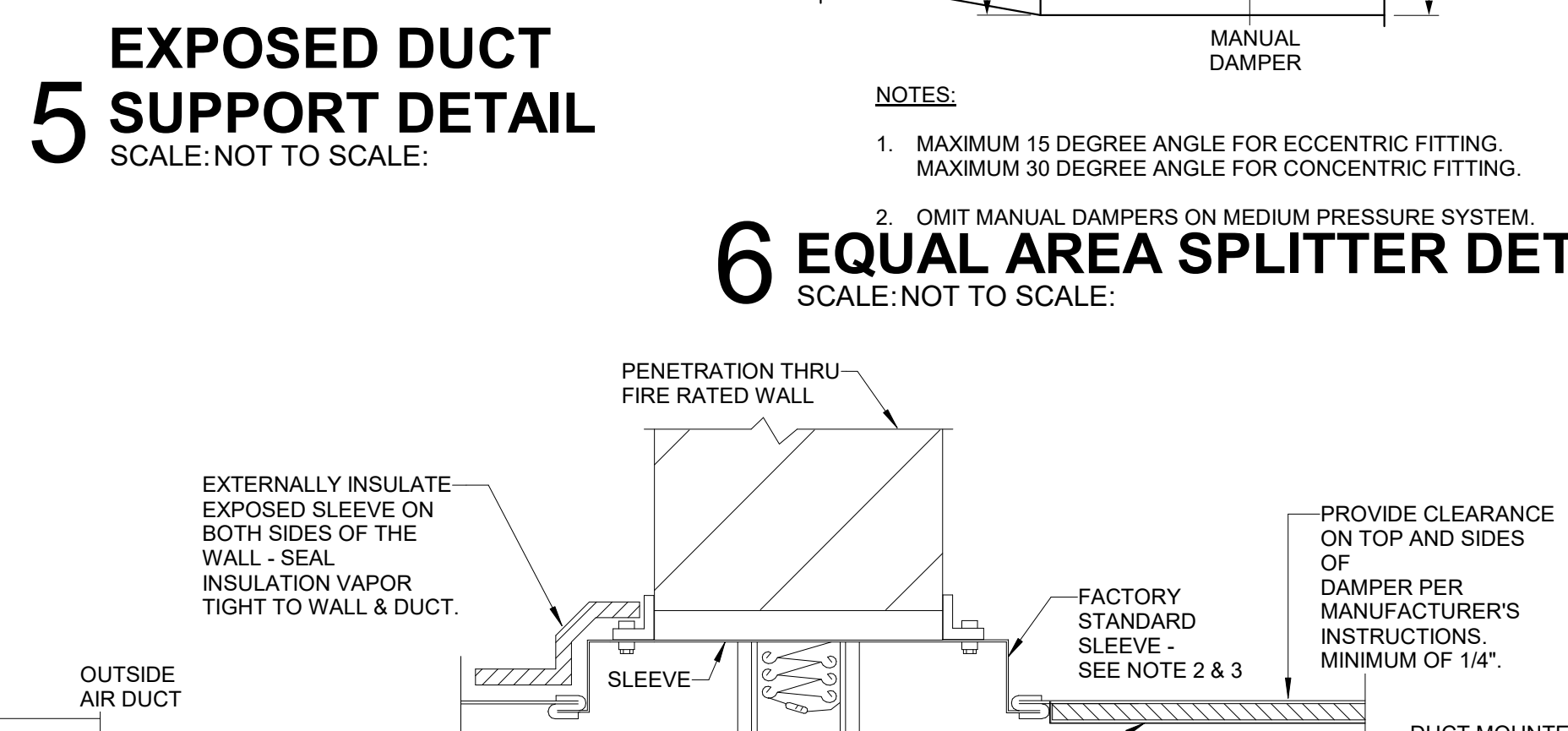
8 CEILING DIFFUSER DUCT DETAIL
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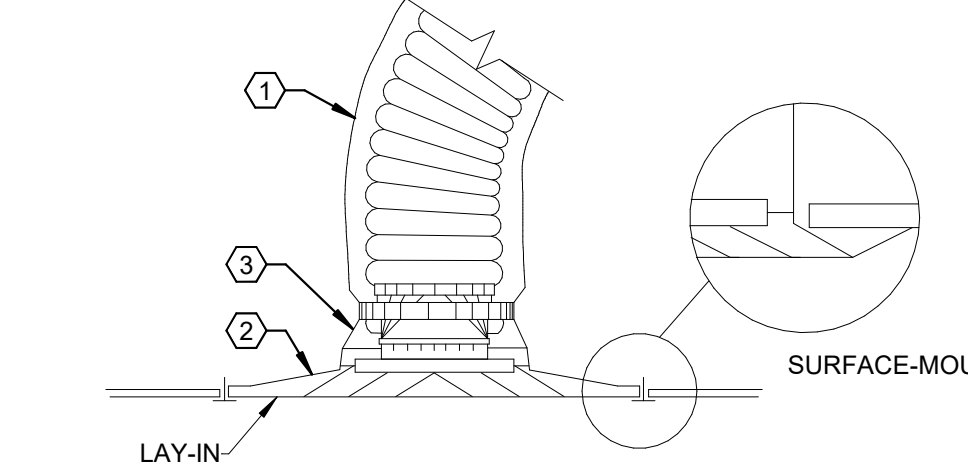
9 CONDENSATE DRAIN TRAP DETAIL
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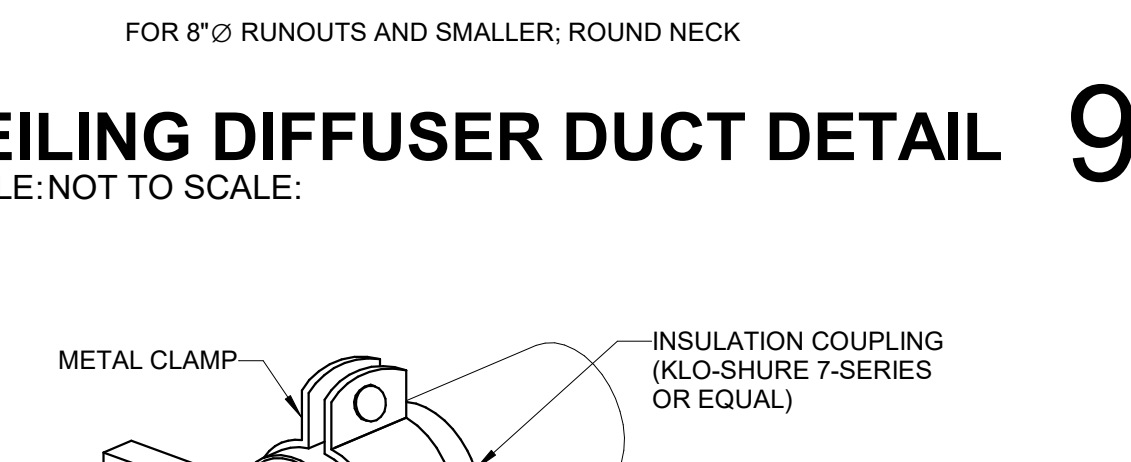
10 TYPICAL VERTICAL AC UNIT DETAIL
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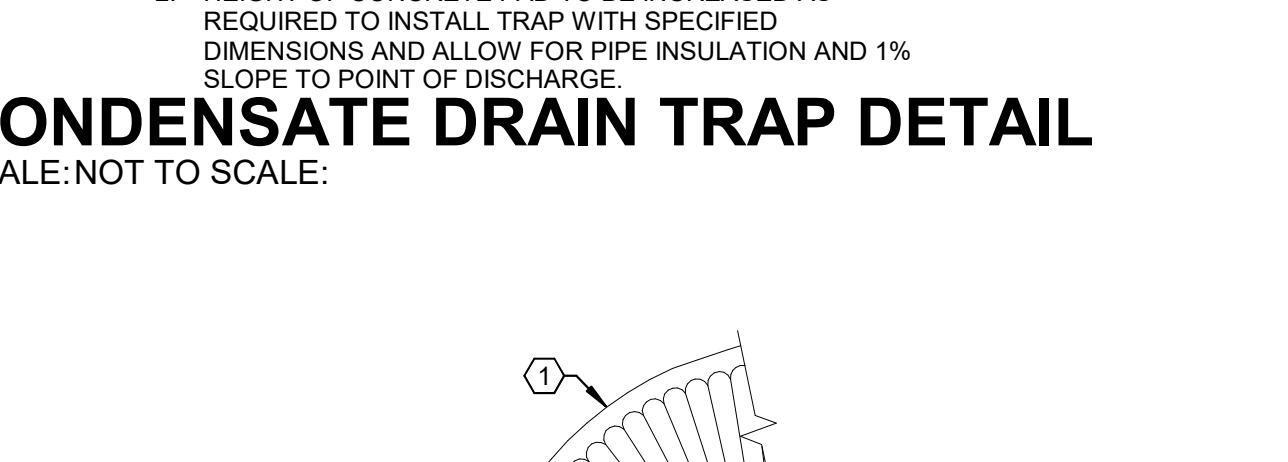
11 CURTAIN TYPE FIRE DAMPER DETAIL
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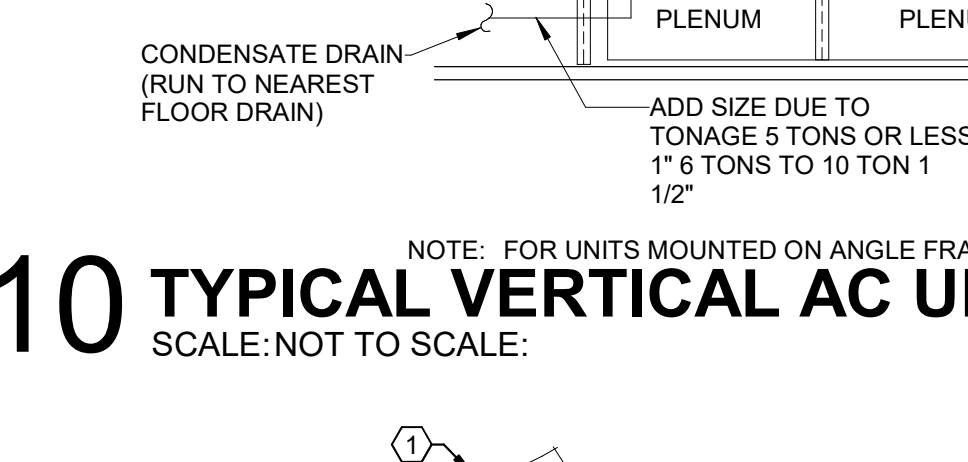
12 CEILING DIFFUSER DUCT DETAIL
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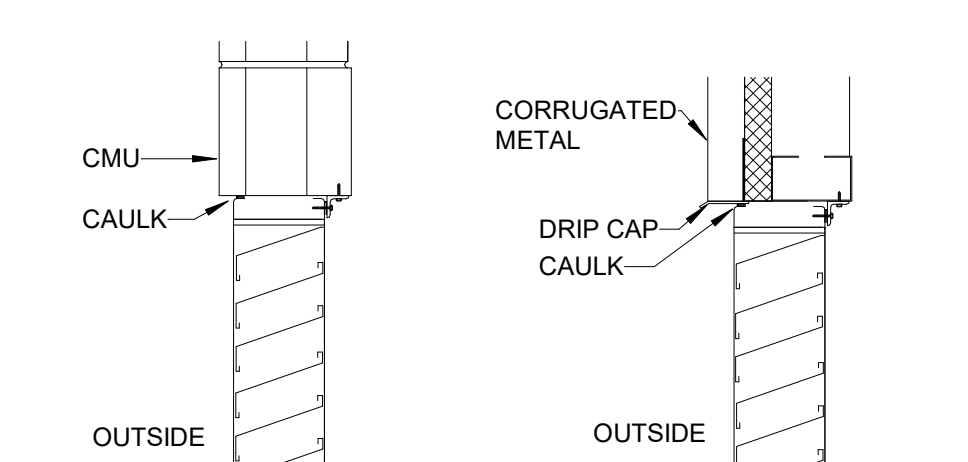
13 STRUT-MOUNTED PIPING SUPPORT INSULATION COUPLING DETAIL
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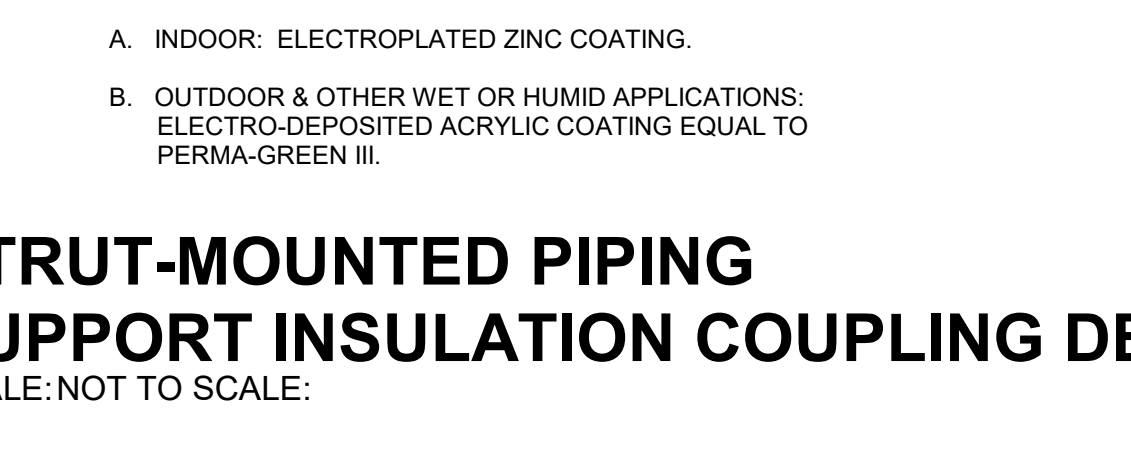
14 CEILING DIFFUSER DUCT DETAIL
SCALE: NOT TO SCALE:



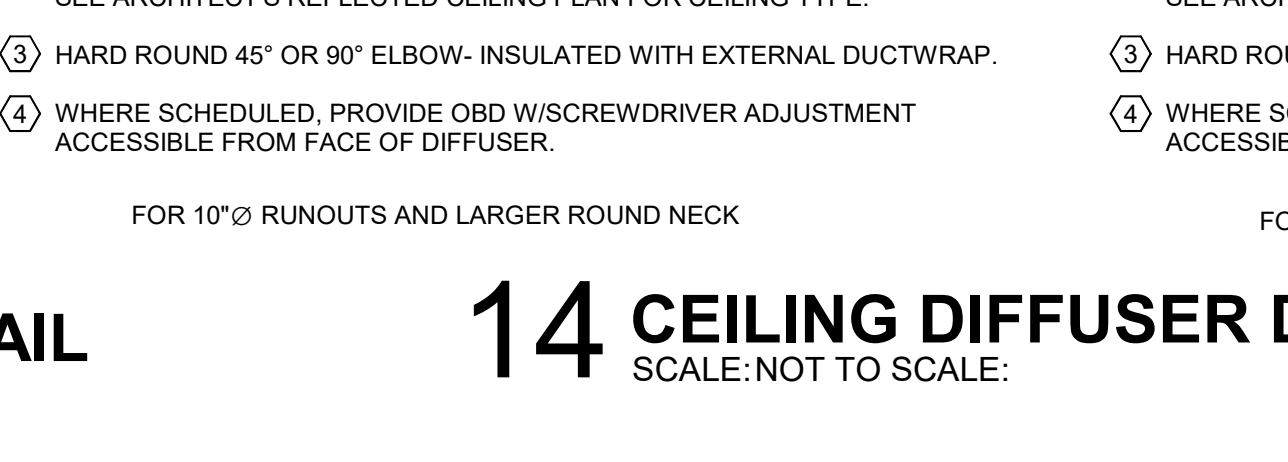
15 RETURN/EXHAUST AIR PLENUM DETAIL
SCALE: NOT TO SCALE:



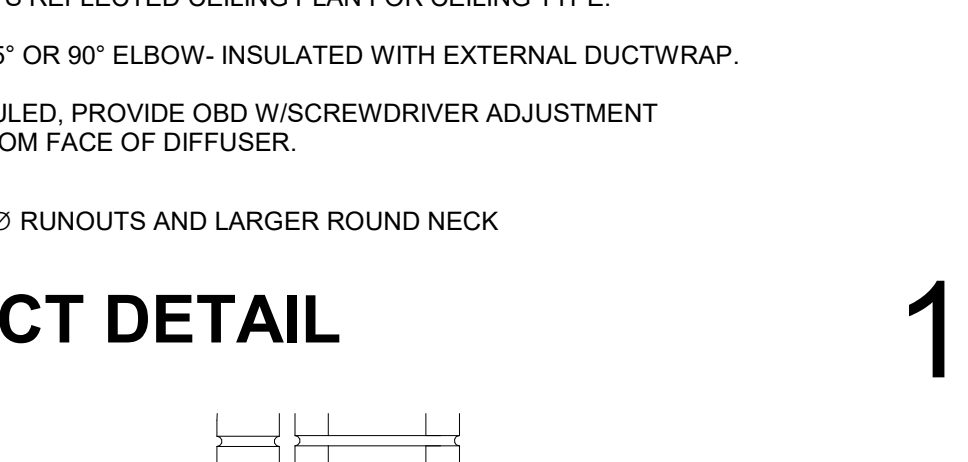
16 FIXED BLADE LOUVER DETAIL
SCALE: NOT TO SCALE:



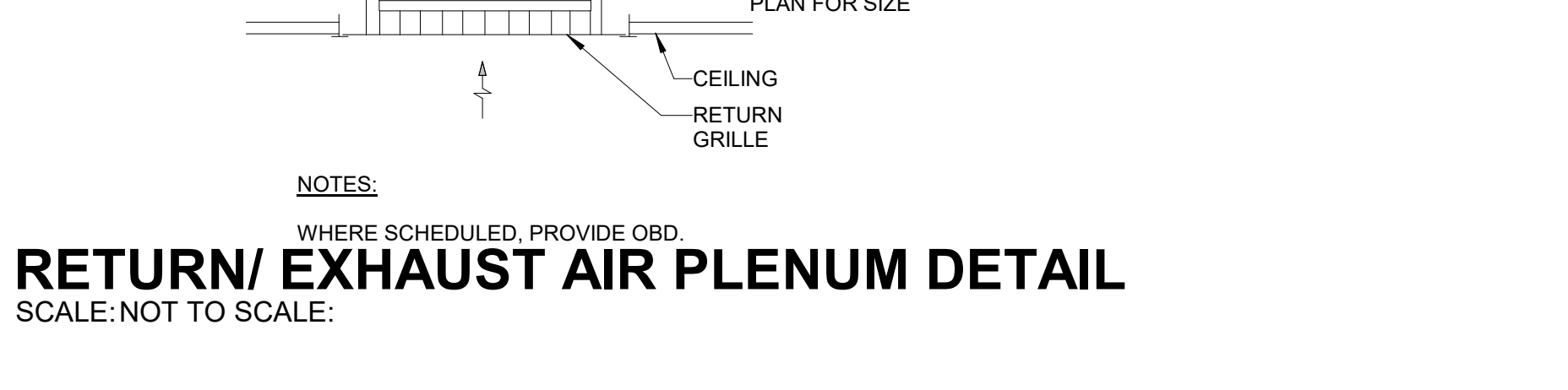
17 LINEAR SLOT DIFFUSER DETAIL
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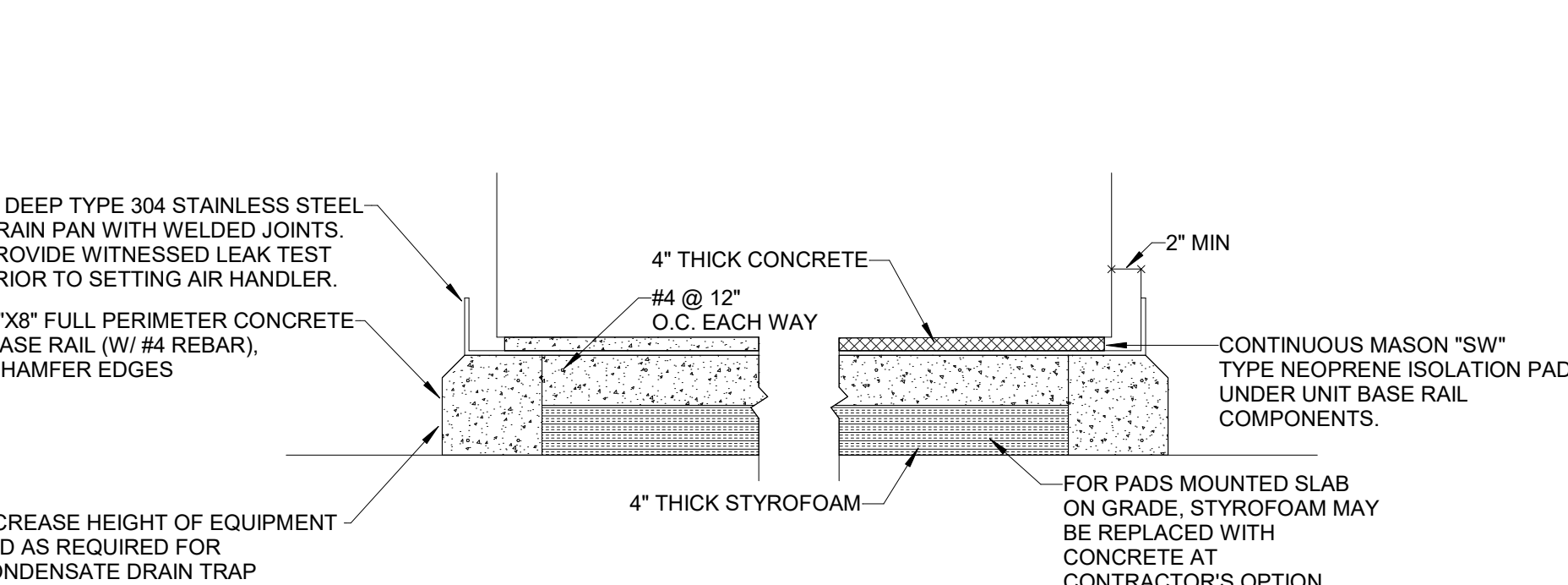
18 CEILING MOUNTED EXHAUST FAN DETAIL
SCALE: NOT TO SCALE:



19 RESIDENTIAL DRYER EXHAUST DETAIL
SCALE: NOT TO SCALE:



20 COMBINATION LOUVER DAMPER WITH INTERIOR WALL GRILLE DETAIL
SCALE: NOT TO SCALE:



21 AHU BASE SUPPORT PAD DETAIL
SCALE: NOT TO SCALE:

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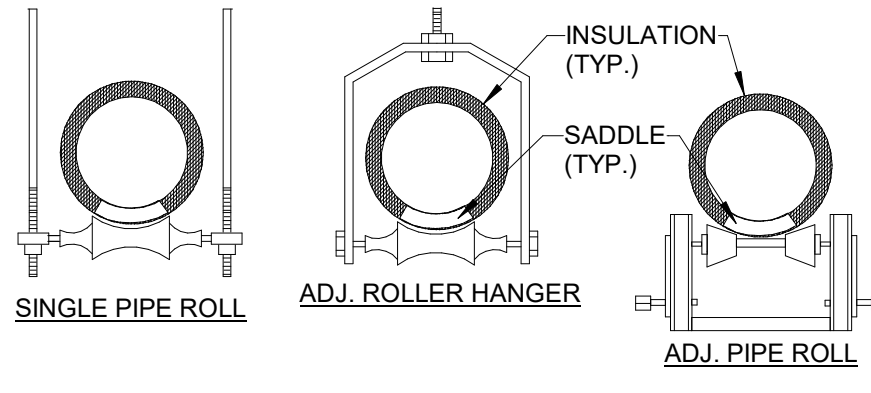
ALABAMA
LICENSED
NO. 34357
PROFESSIONAL ENGINEER
J. FRED D. DEERMAN

05-28-24 12-23-018

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M5.01

DETAILS - HVAC



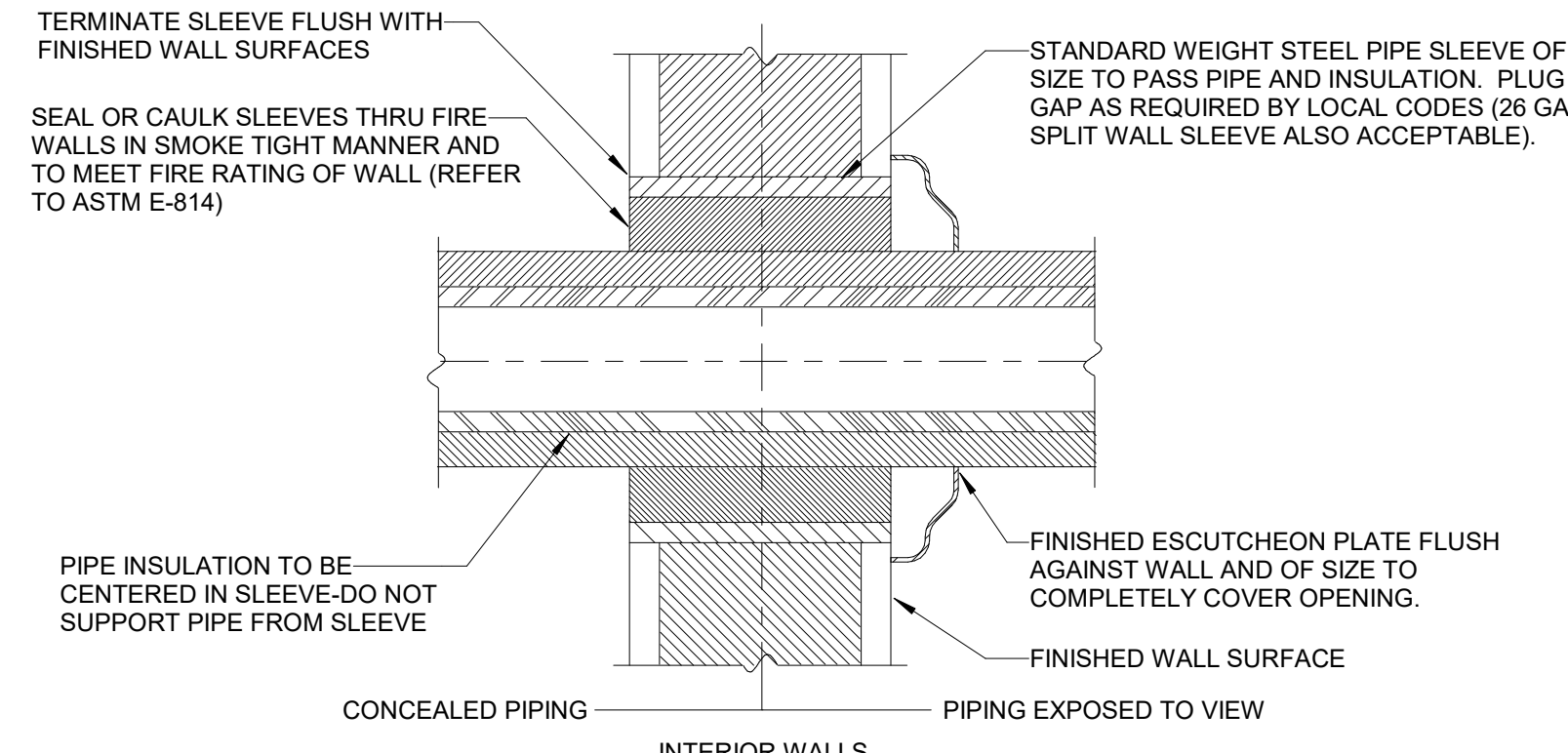
HANGER ROD SIZES AND MAXIMUM HANGER SPACING																			
PIPE SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
ROD DIA.	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	5/8"	5/8"	3/4"	7/8"	7/8"	7/8"	1"	1 1/8"	1 1/4"	1 1/4"		
MAXIMUM SPACING	6"	8"	8"	8"	10"	10"	10"	12"	14"	14"	14"	16"	18"	20"	24"	26"	28"	30"	32"

NOTES:

1. LOCATE ADDITIONAL HANGERS AT VALVES AND AT CHANGES IN DIRECTION.
2. LOCATE HANGERS AT SHORTER SPACING WHERE NOTED ON MECHANICAL OR STRUCTURAL PLANS.

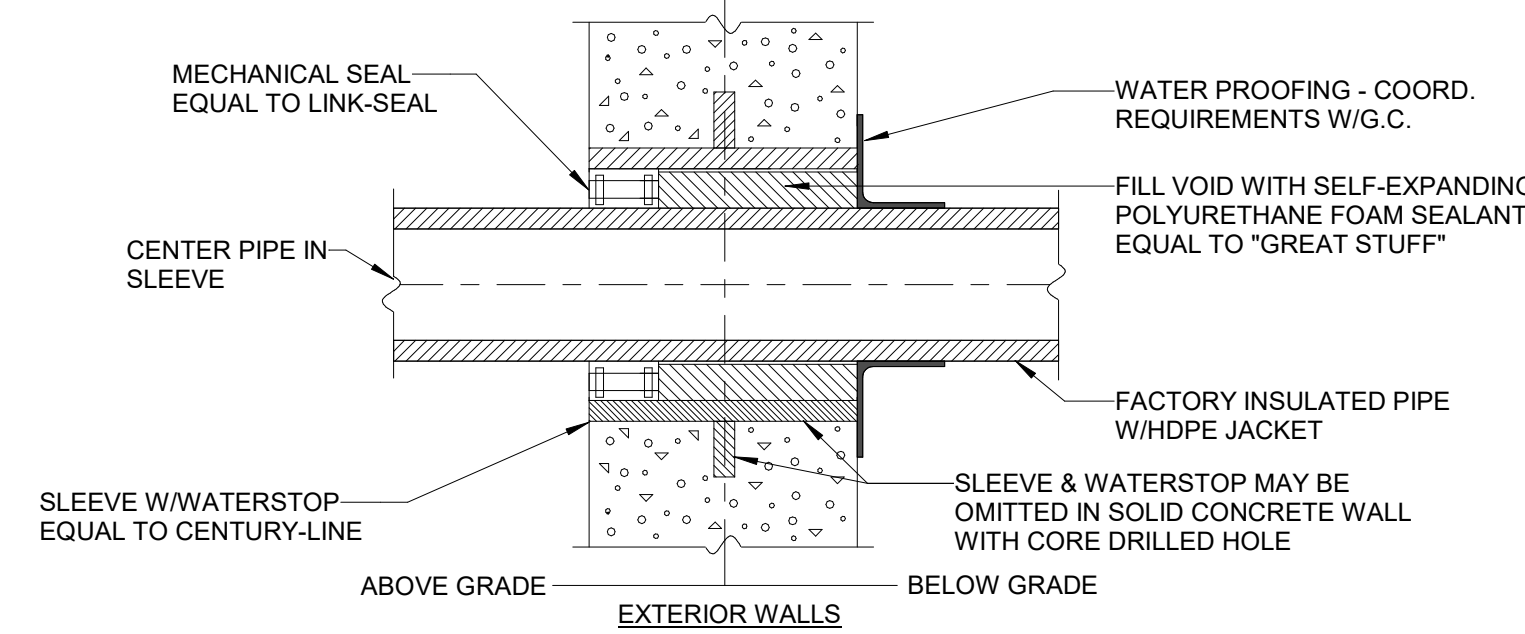
1 SINGLE PIPE ROLLER HANGER (STEAM SUPPLY AND RETURN LINES)

SCALE: NOT TO SCALE:



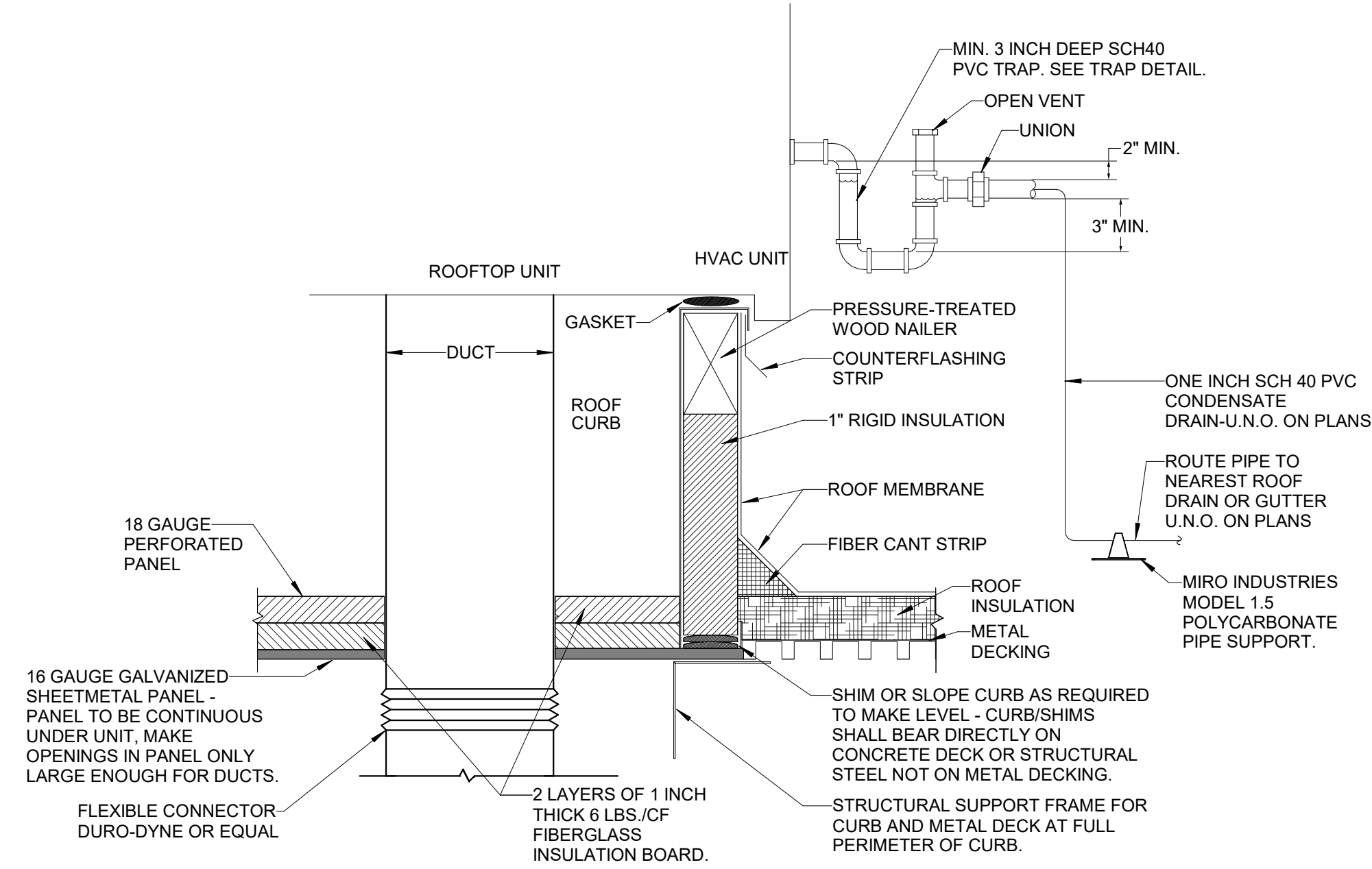
2 PIPE SLEEVE THRU WALL DETAIL

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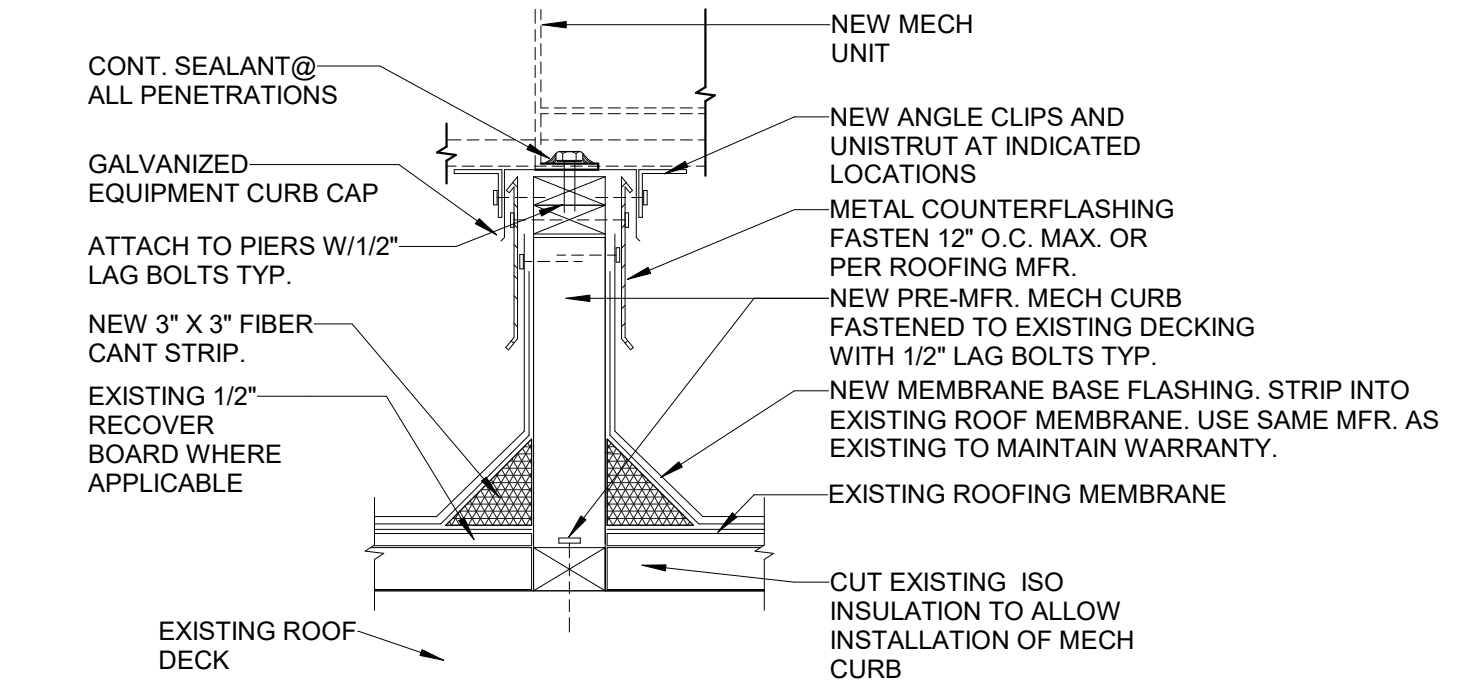
3 ROOF PIPE PENETRATION DETAIL

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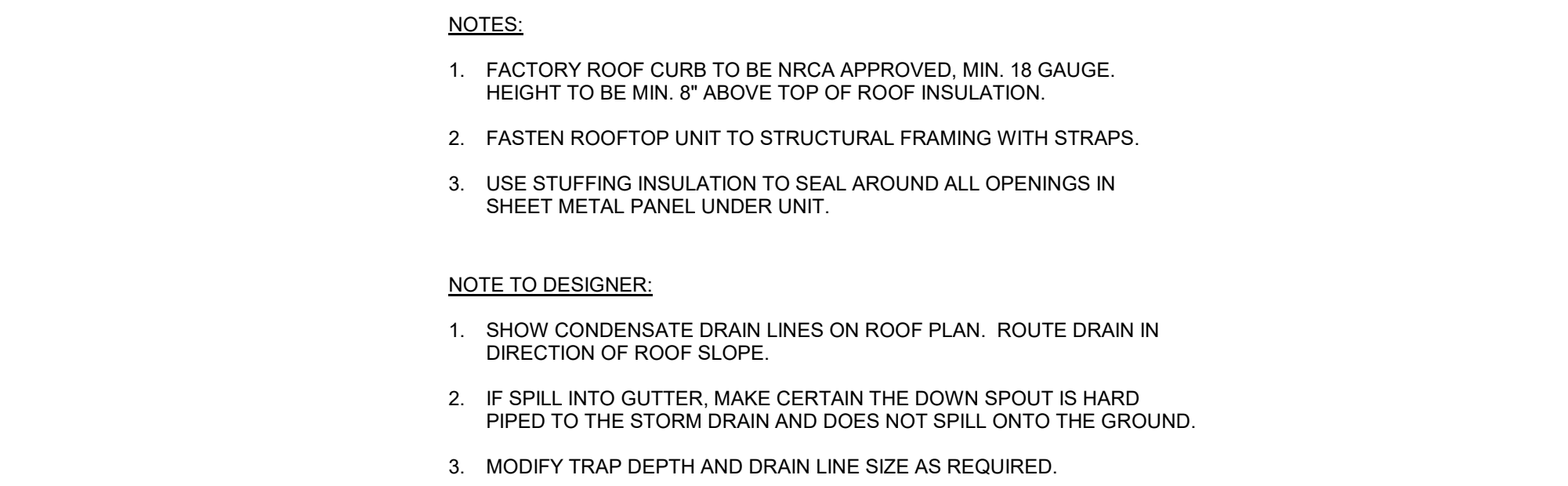
4 PIPE SEAL AT ROOF PENETRATION DETAIL

SCALE: NOT TO SCALE:



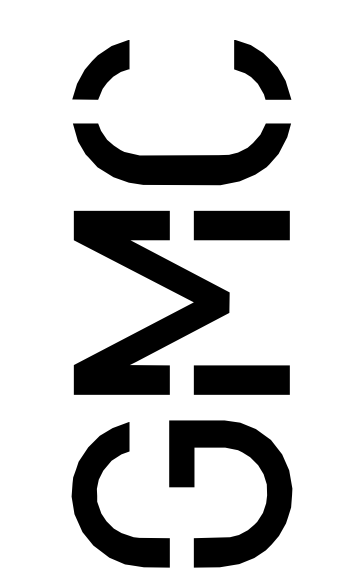
5 MINI SPLIT ROOF DETAIL

SCALE: NOT TO SCALE:



6 ROOFTOP AC UNIT CURB DETAIL

SCALE: NOT TO SCALE:



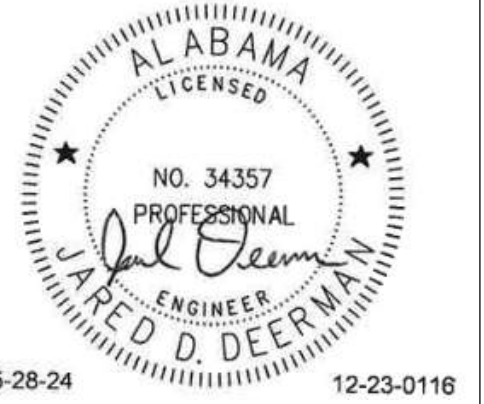
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CHECKED BY: Checker

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05-28-24 12-23-0118

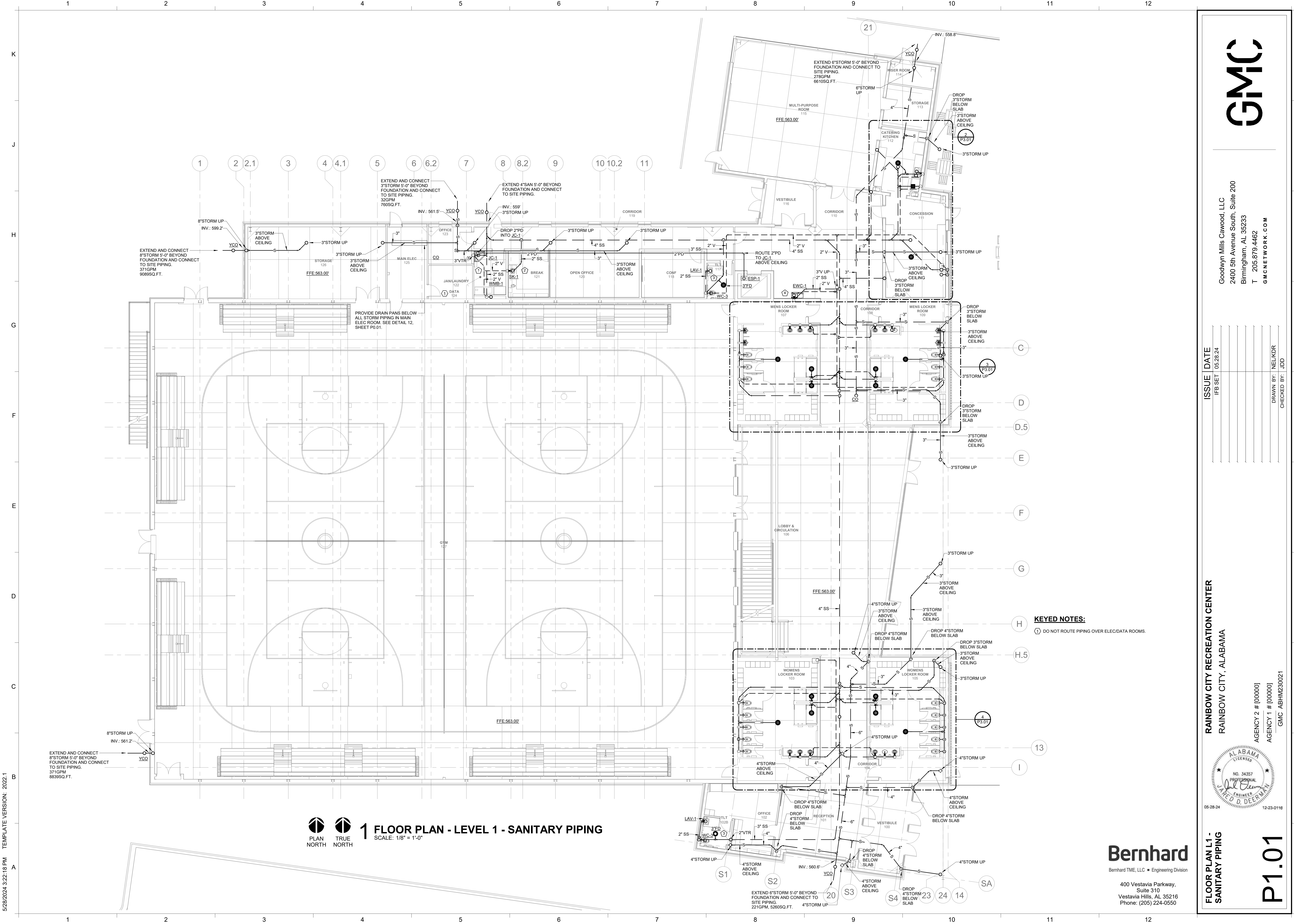
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M5.02

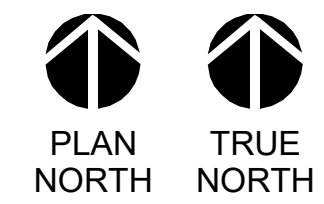
DETAILS - HVAC

5/28/2024 3:22:18 PM TEMPLATE VERSION: 2022.1



1 2 3 4 5 6 7 8 9 10 11 12

K J H G F E D C B A



1 FLOOR PLAN - LEVEL 1 - SANITARY PIPING
 SCALE: 1/8" = 1'-0"

ISSUE DATE	IFB SET	DATE
		05.28.24

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FLOOR PLAN L1 - SANITARY PIPING
P1.01

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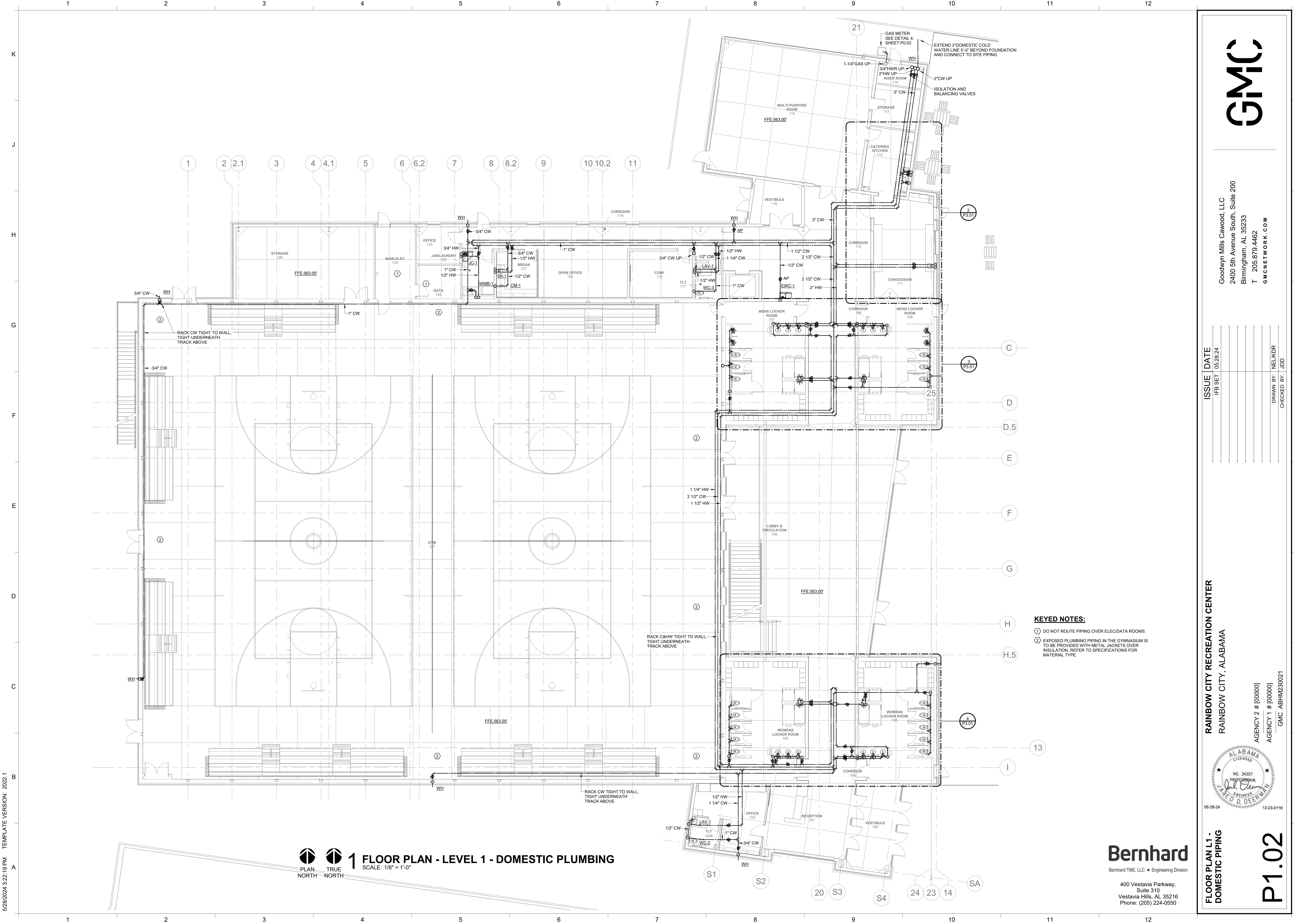
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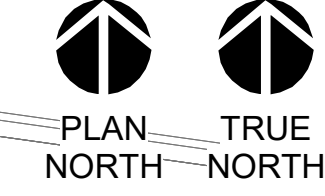
KEYED NOTES:
 Ⓢ DO NOT ROUTE PIPING OVER ELEC/DATA ROOMS.

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5/28/2024 3:22:19 PM TEMPLATE VERSION: 2022.1



1 FLOOR PLAN - LEVEL 1 - DOMESTIC PLUMBING
SCALE: 1/8" = 1'-0"



KEYED NOTES:

- ① DO NOT ROUTE PIPING OVER ELEC/DATA ROOMS.
- ② EXPOSED PLUMBING PIPING IN THE GYMNASIUM IS TO BE PROVIDED WITH METAL JACKETS OVER INSULATION. REFER TO SPECIFICATIONS FOR MATERIAL TYPE.

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FLOOR PLAN L1 -
DOMESTIC PLUMBING

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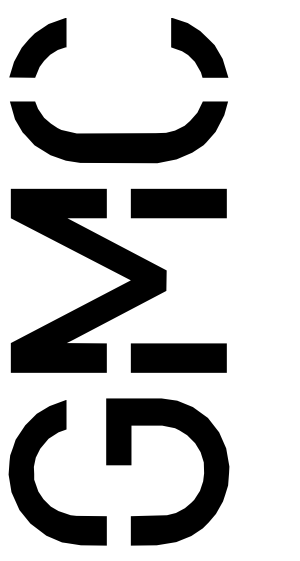
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DRAWN BY: NELIKDR
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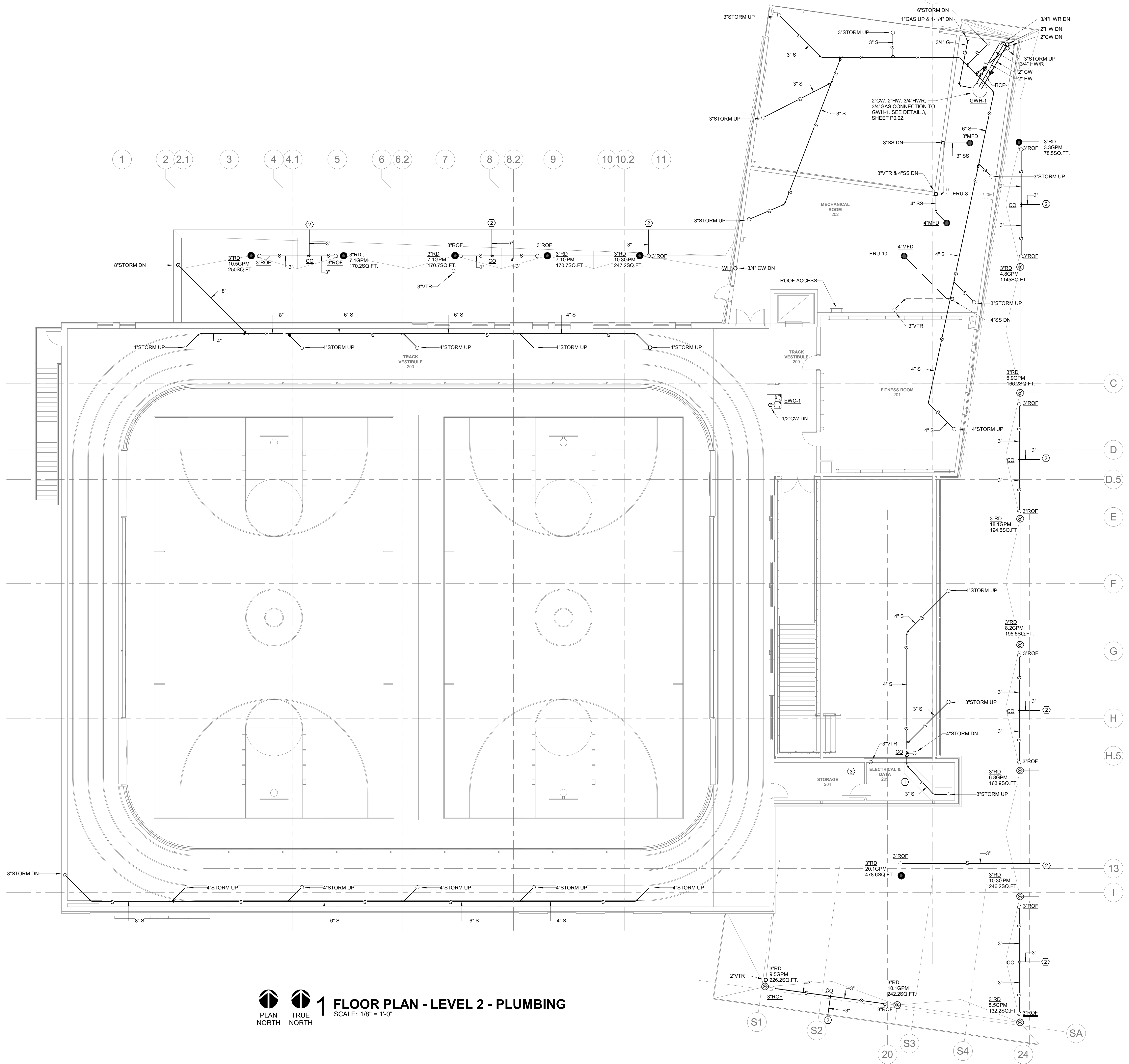
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P1.02

5/28/2024 3:22:21 PM TEMPLATE VERSION: 2022.1



- KEYED NOTES:**
- ① PROVIDE DRAIN PANS BELOW ALL STORM PIPING IN DATA AND ELECTRICAL ROOMS. SEE DETAIL 12, SHEET P0.01.
 - ② 3"ROF TO DISCHARGE AS HIGH AS POSSIBLE THROUGH FLAP COVER. SEE ARCHITECTURAL DRAWINGS.
 - ③ DO NOT ROUTE PIPING ABOVE ELECTRICAL ROOM.

1 FLOOR PLAN - LEVEL 2 - PLUMBING
 SCALE: 1/8" = 1'-0"

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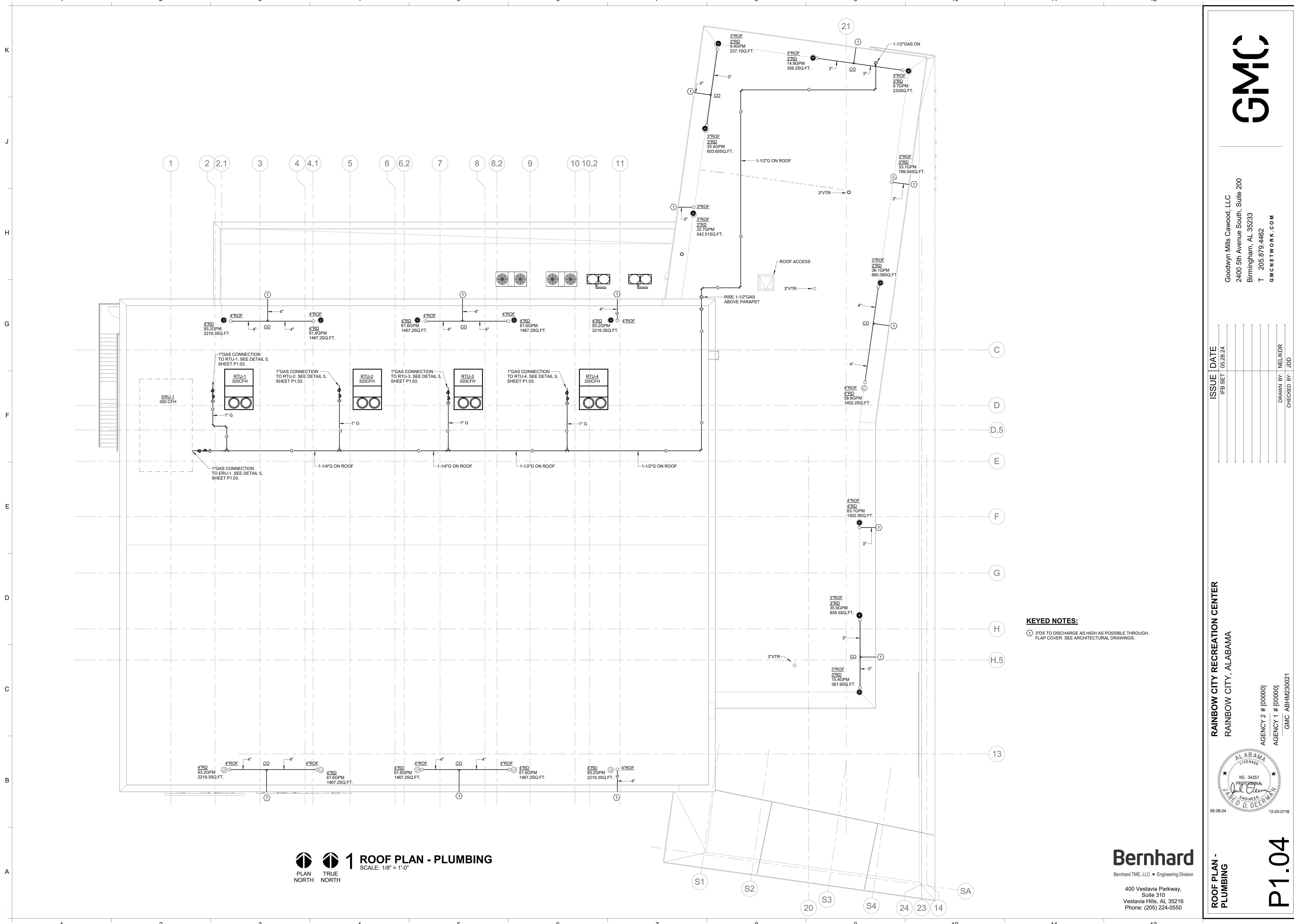
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 AGENCY 1 # [00000]
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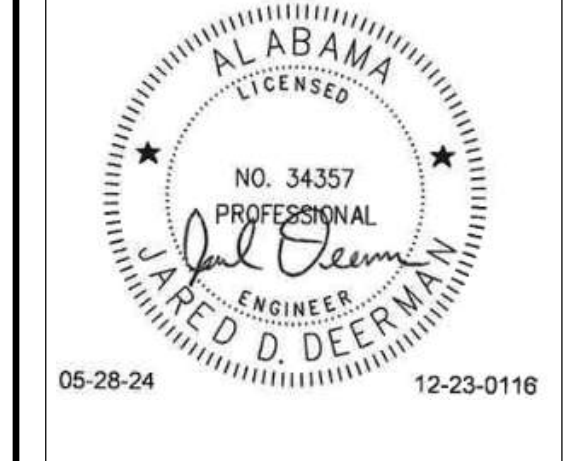
FLOOR PLAN L2 - PLUMBING
P1.03



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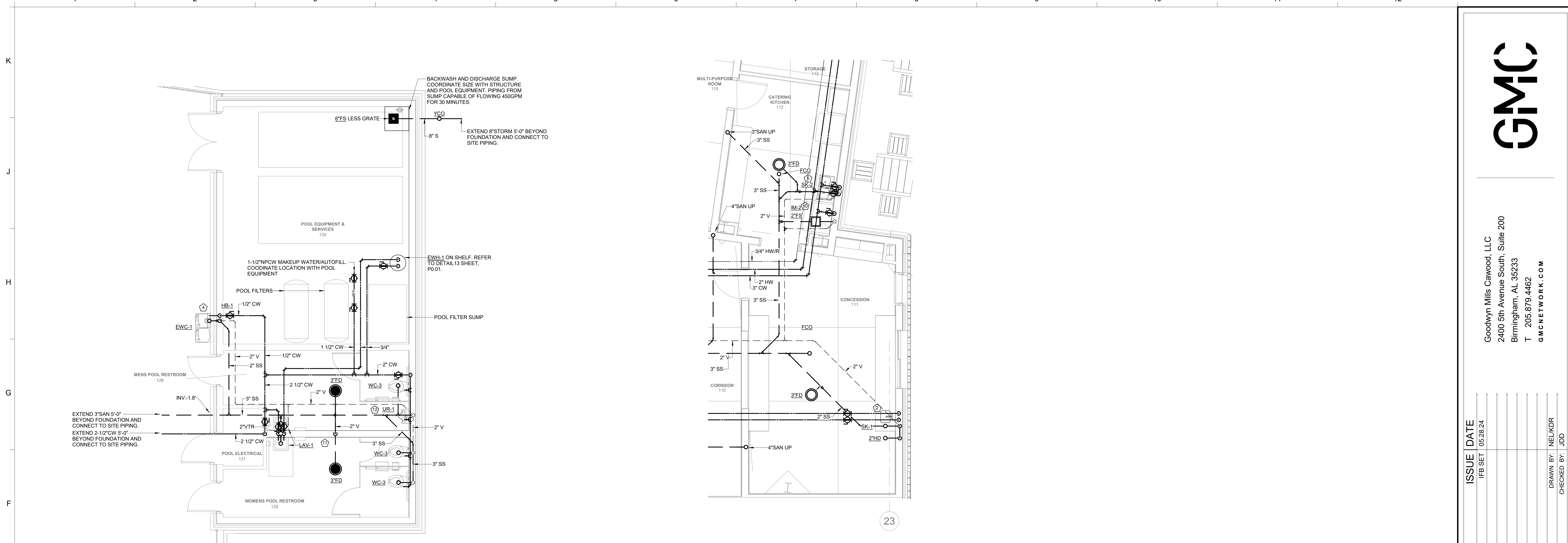
Bernhard
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KEYED NOTES:
 ① 3"DS TO DISCHARGE AS HIGH AS POSSIBLE THROUGH FLAP COVER. SEE ARCHITECTURAL DRAWINGS.

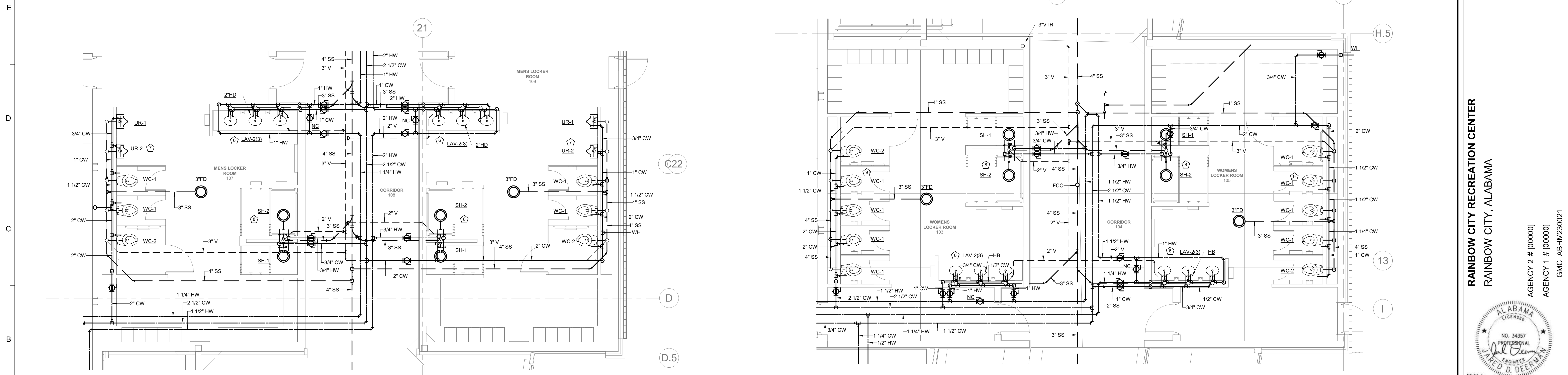
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1 ROOF PLAN - PLUMBING
 SCALE: 1/8" = 1'-0"
 PLAN NORTH TRUE NORTH



1 ENLARGED POOL HOUSE - PLUMBING
SCALE: 1/4" = 1'-0"

2 ENLARGED CATERING KITCHEN 112 - PLUMBING
SCALE: 1/4" = 1'-0"



3 ENLARGED LOCKER ROOMS 107 & 109 - PLUMBING
SCALE: 1/4" = 1'-0"

4 ENLARGED LOCKER ROOMS 103 & 105 - PLUMBING
SCALE: 1/4" = 1'-0"

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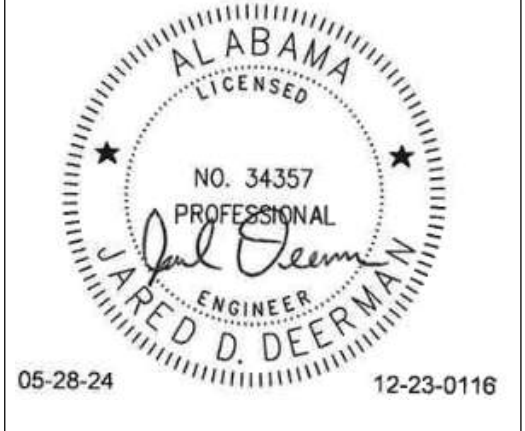
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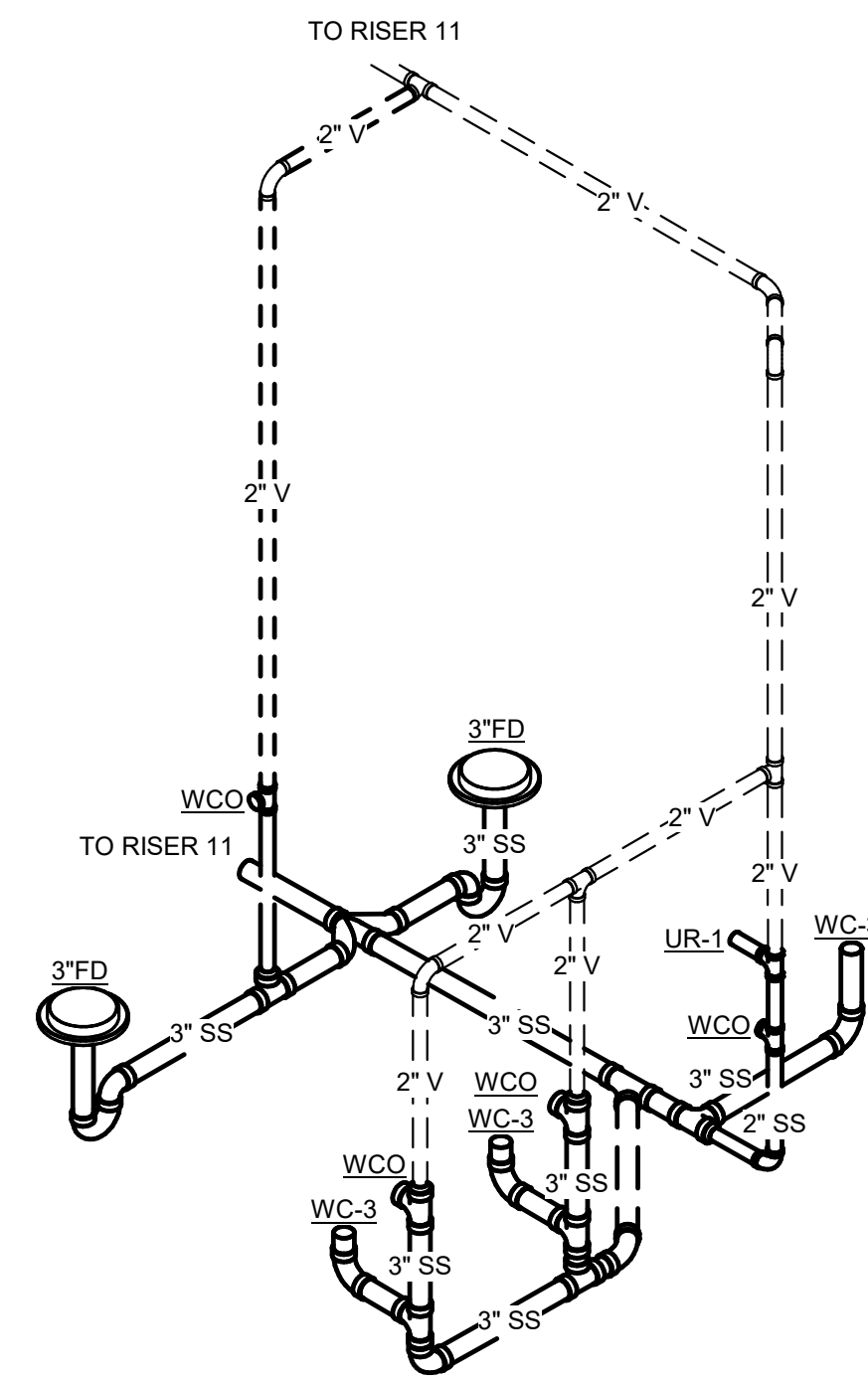
12-23-0118



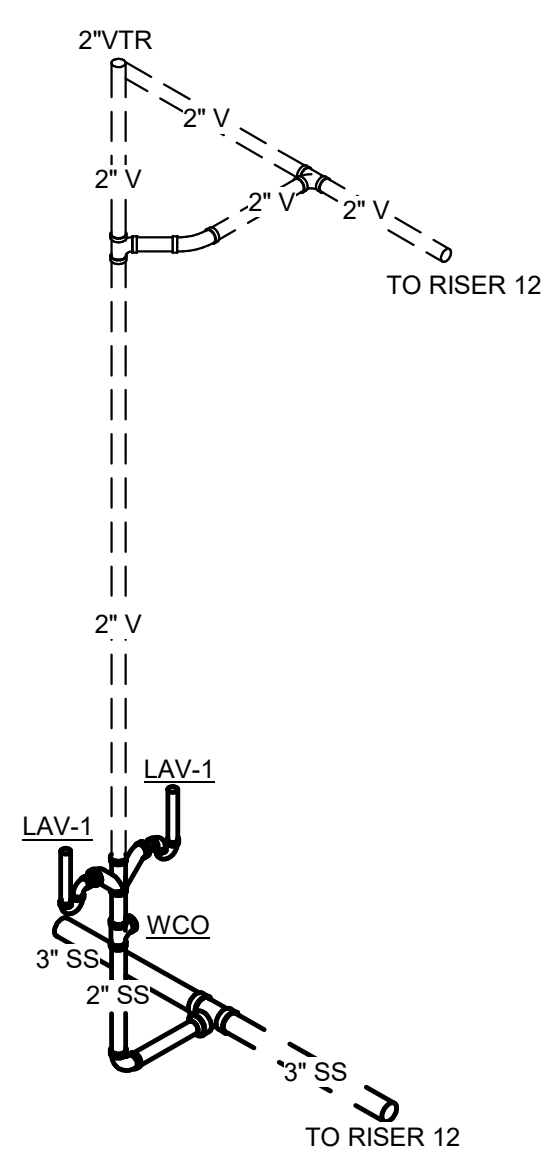
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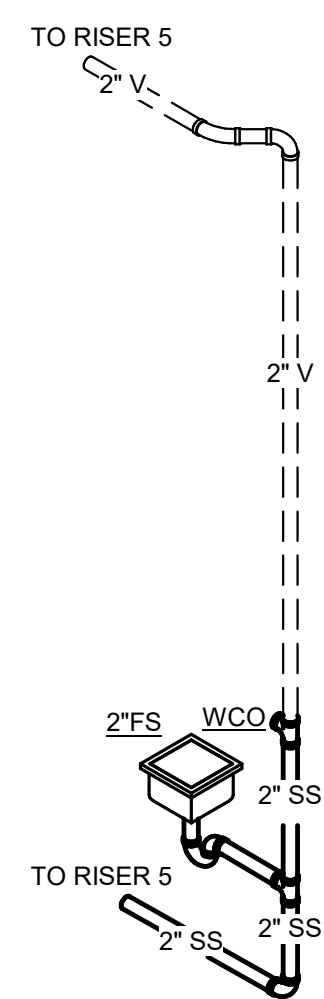
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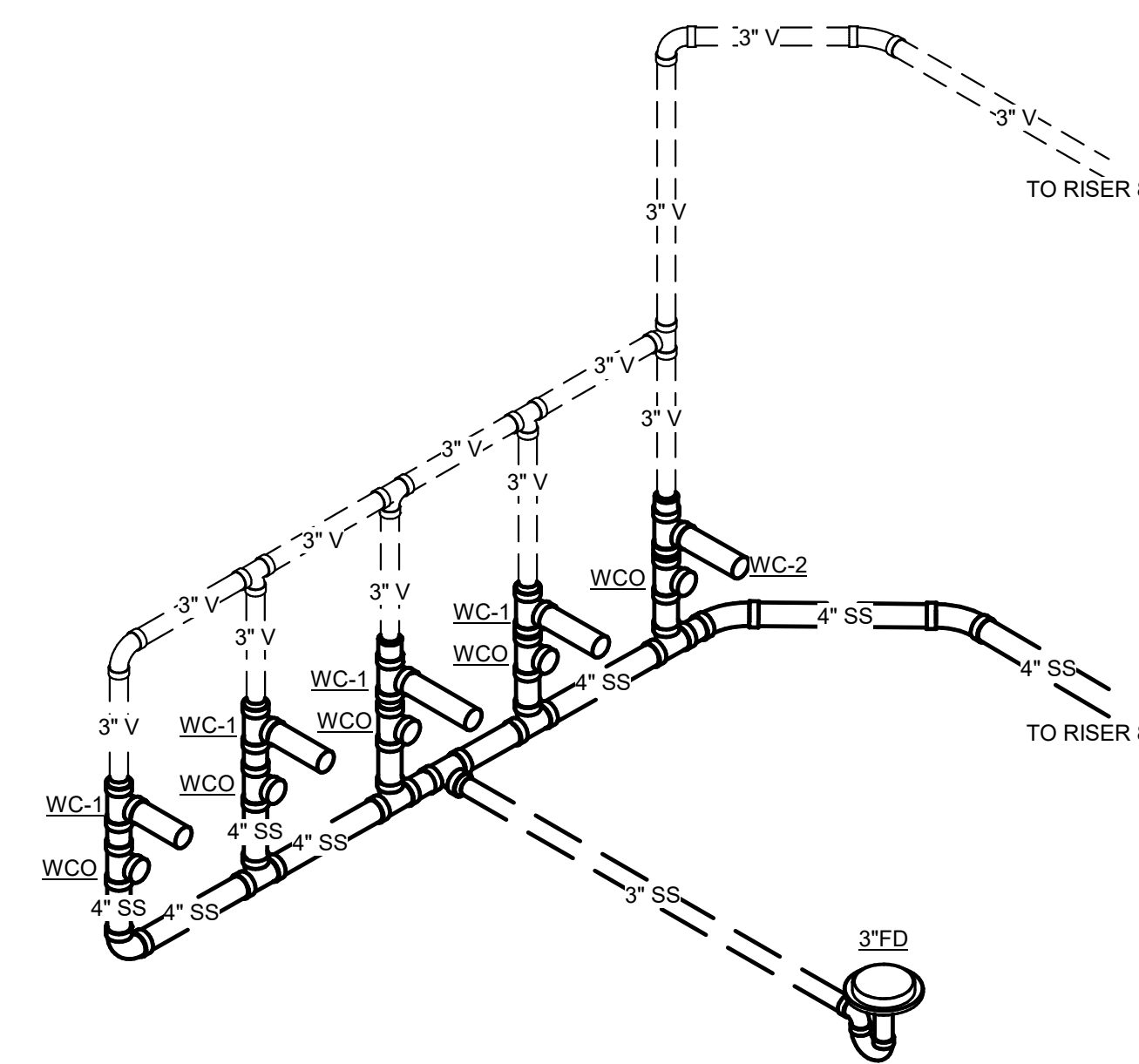
12 PLUMBING RISER 12 - MENS POOL RESTROOM 128
SCALE:



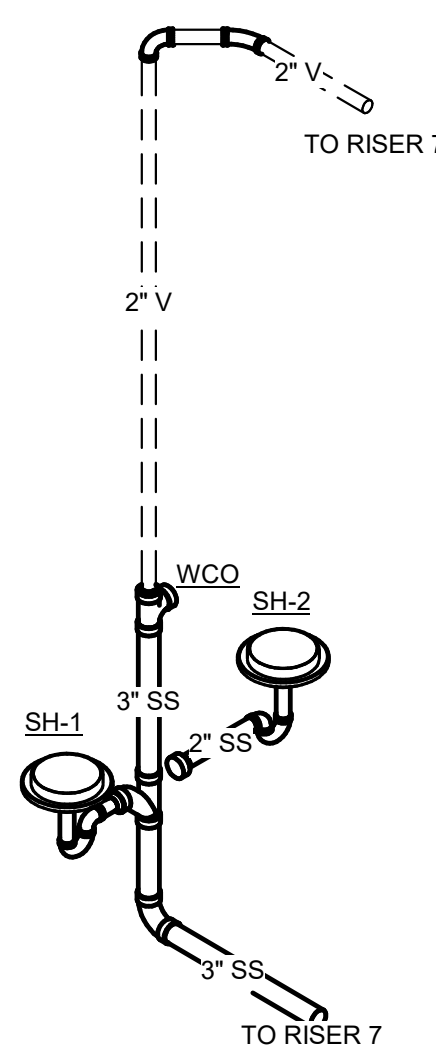
11 PLUMBING RISER 11 - MENS POOL RESTROOM 128
SCALE:



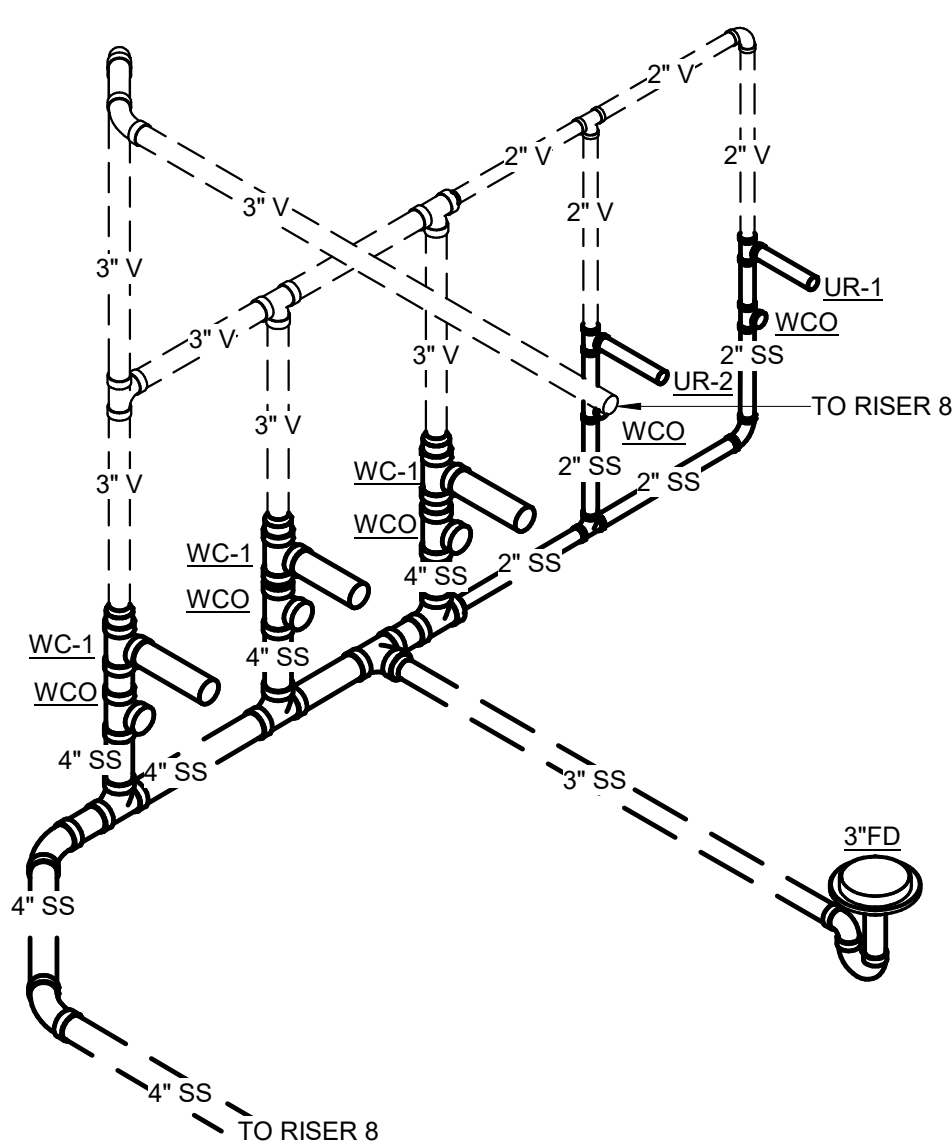
10 PLUMBING RISER 10 - CATERING KITCHEN 112
SCALE:



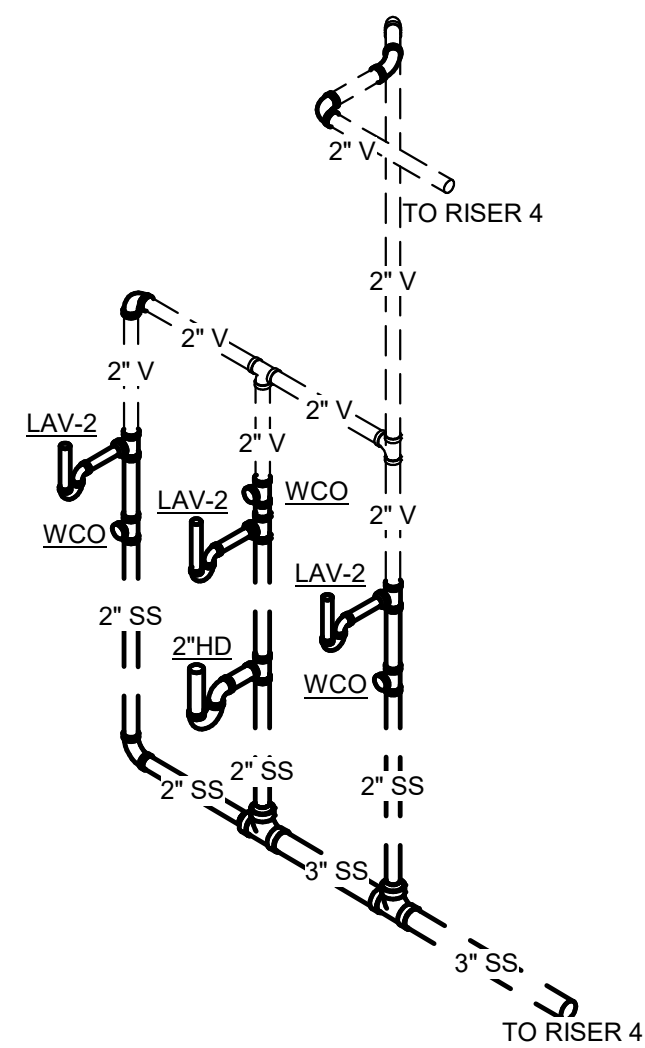
9 PLUMBING RISER 9 - WOMENS LOCKER ROOM 103
SCALE:



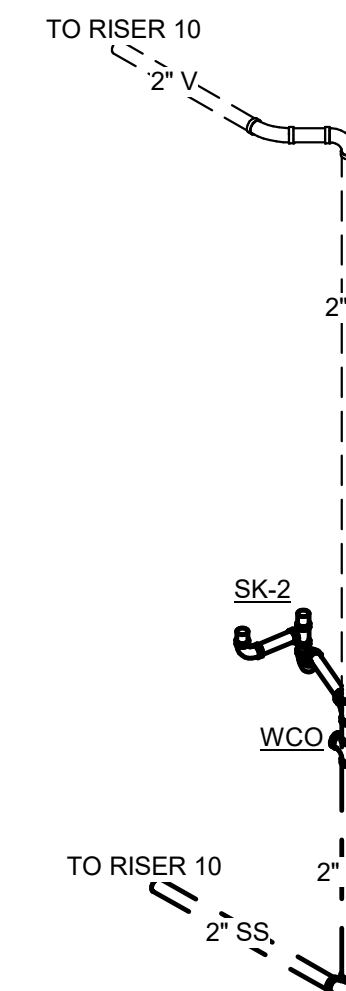
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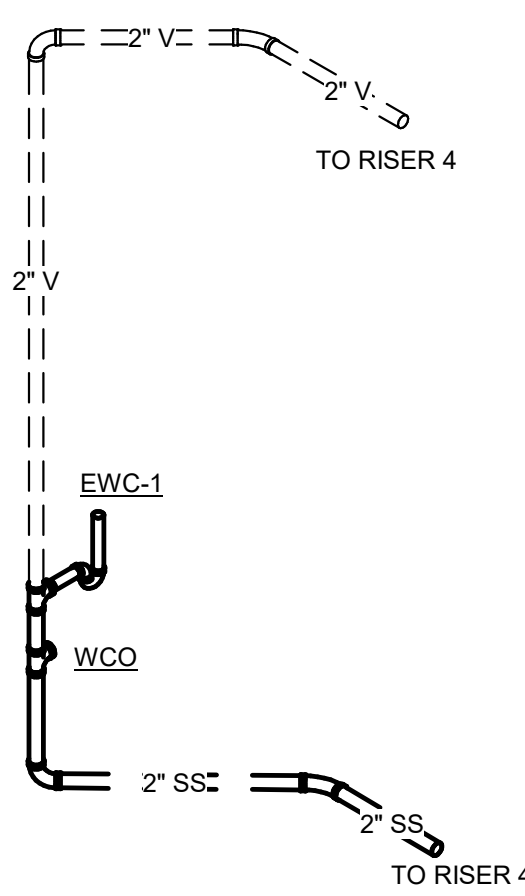
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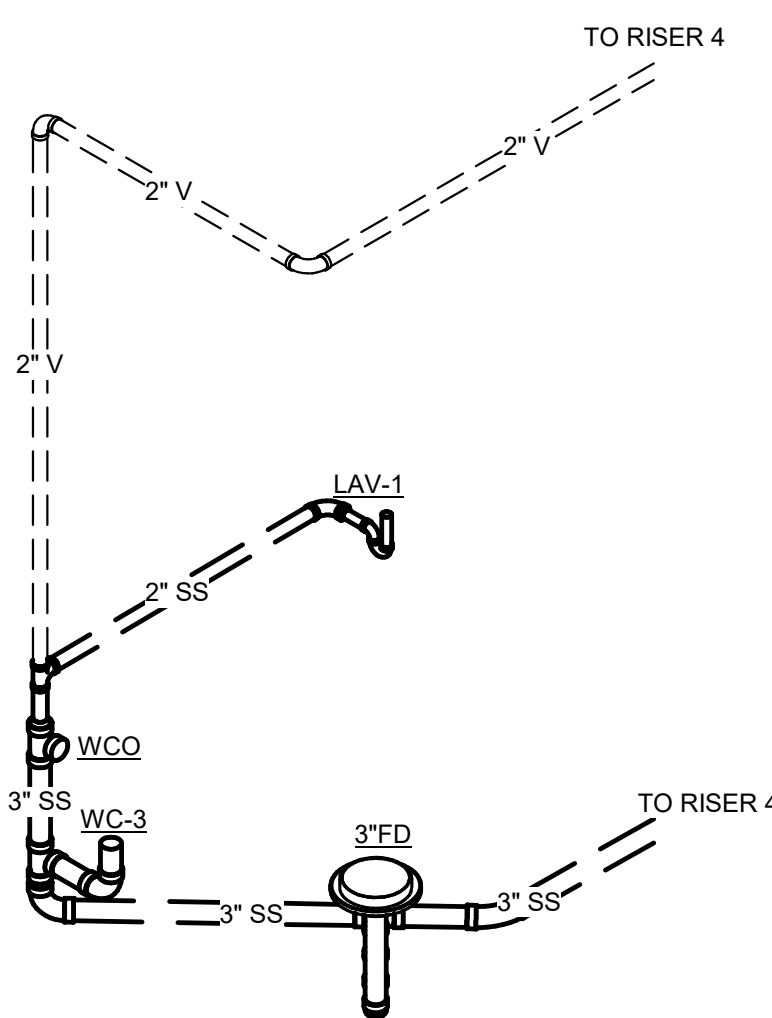
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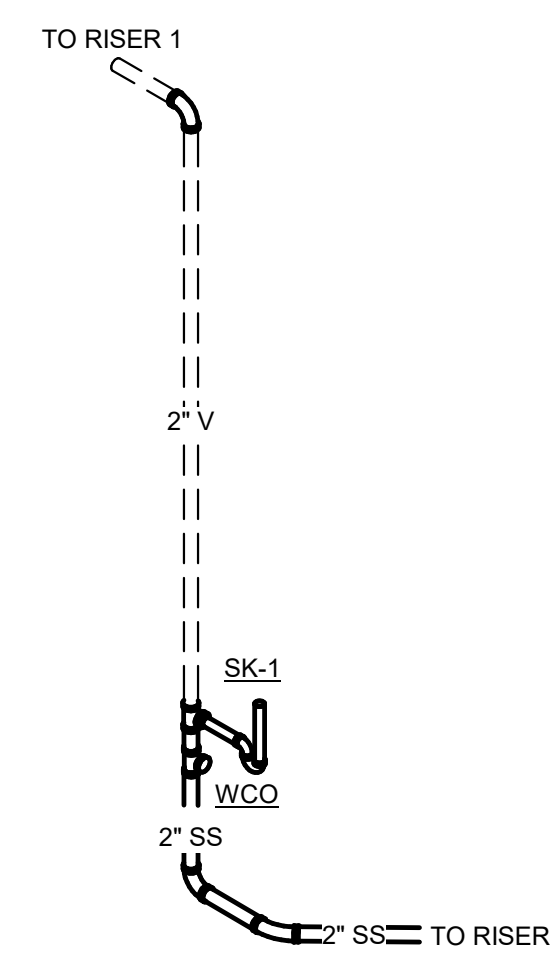
5 PLUMBING RISER 5 - CATERING KITCHEN 112
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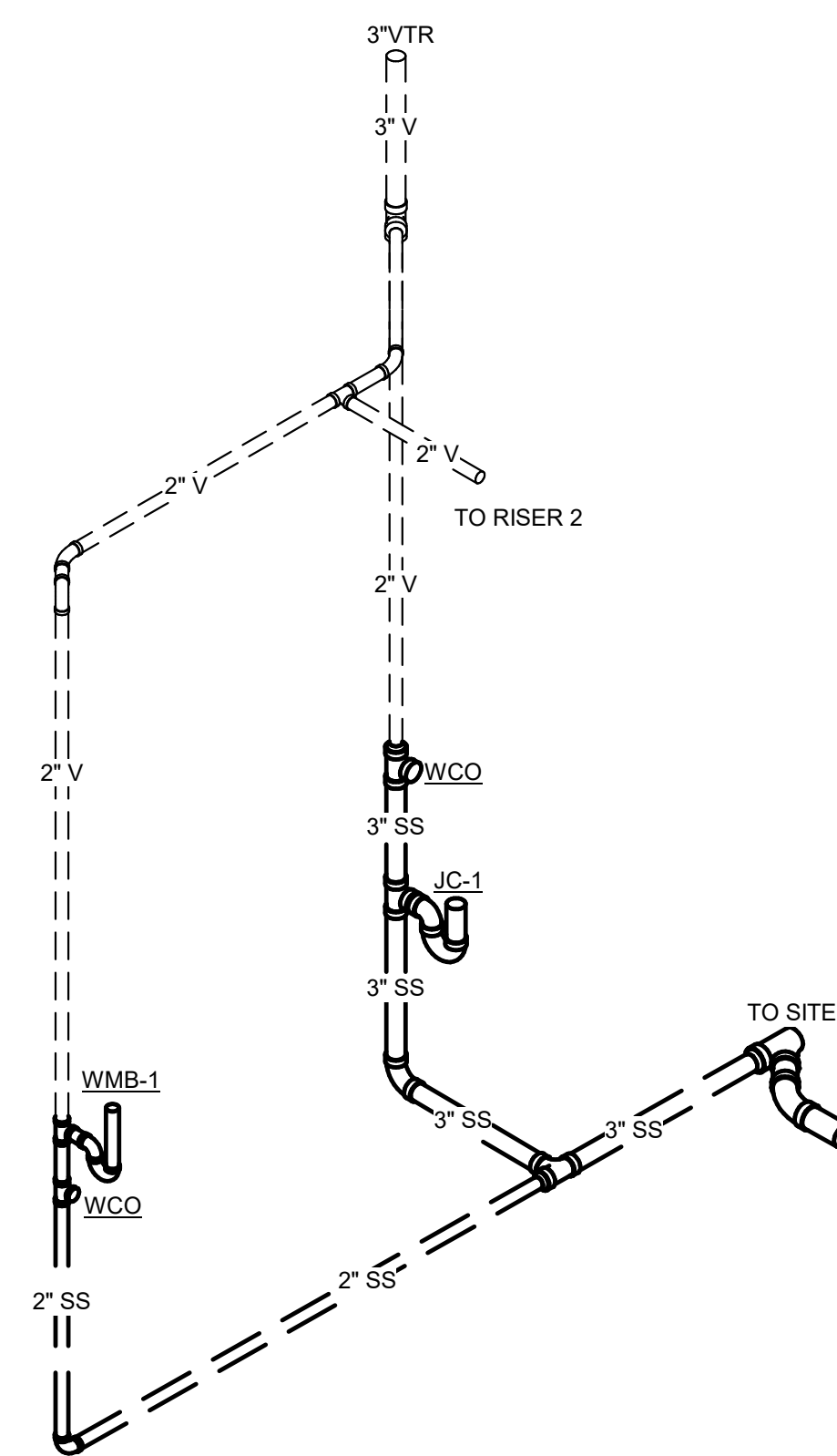
4 PLUMBING RISER 4 - CORRIDOR 110
SCALE:



3 PLUMBING RISER 3 - TLT 117
SCALE:



2 PLUMBING RISER 2 - BREAK 121
SCALE:



1 PLUMBING RISER 1 - JAN/LAUNDRY 122
SCALE:

Bernhard
Bernhard TME, LLC • Engineering Division

400 Vestavia Parkway,
Suite 310
Vestavia Hills, AL 35216
Phone: (205) 224-0550

GMC

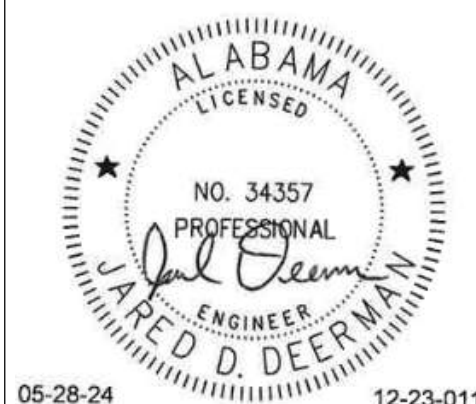
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Birmingham, AL 35233
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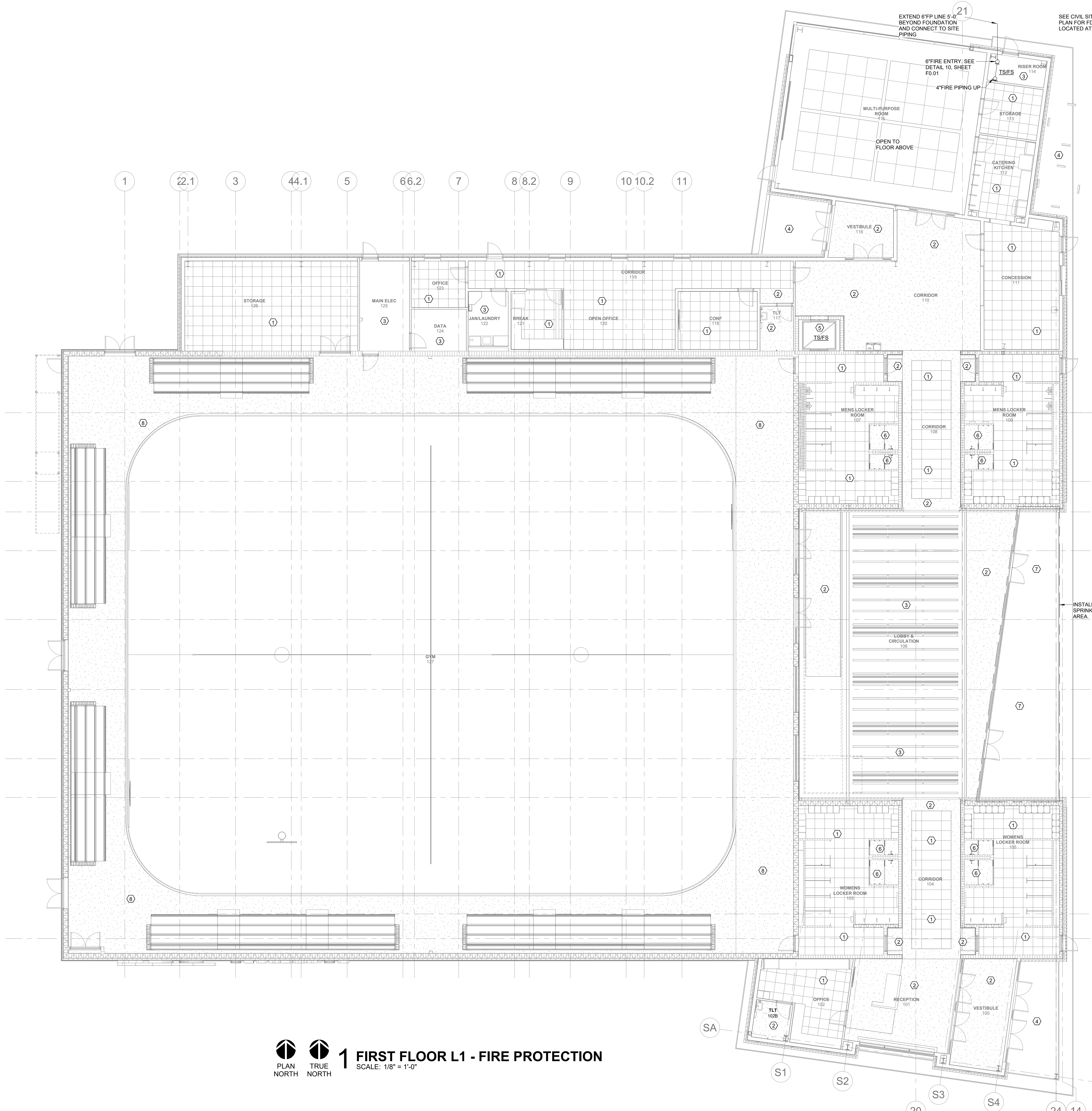
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RISERS - PLUMBING

P4.01

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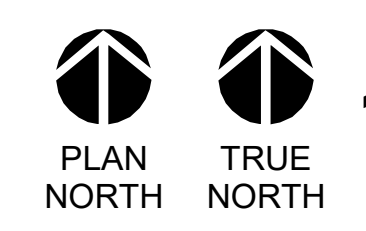
EXTEND 6"FP LINE 5'-0" BEYOND FOUNDATION AND CONNECT TO SITE PIPING
SEE CIVIL SITE UTILITY PLAN FOR FDC LOCATED AT VAULT

6" FIRE ENTRY. SEE DETAIL 10, SHEET F0.01
4" FIRE PIPING UP

INSTALL HEAT TRACING ON ALL SPRINKLER PIPING IN THIS AREA.

KEYED NOTES:

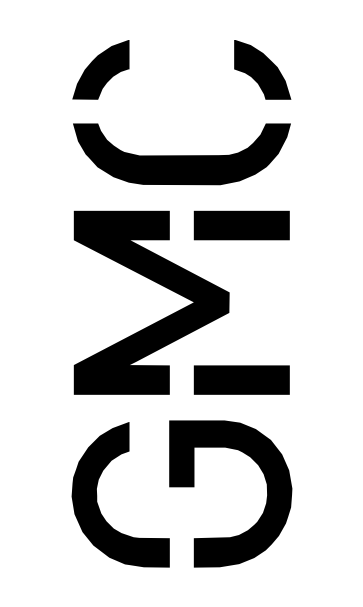
- ① PROVIDE RECESSED SPRINKLER HEADS IN ROOMS WITH LAY-IN CEILINGS. SEE DETAIL 4, SHEET F0.01.
- ② PROVIDE CONCEALED SPRINKLER HEADS IN ROOMS WITH HARD/SPECIALTY CEILINGS. SEE DETAIL 5, SHEET F0.01.
- ③ PROVIDE UPRIGHT SPRINKLER HEADS IN ROOMS WITH NO CEILINGS. SEE DETAILS 2 & 3, SHEET F0.01.
- ④ PROVIDE DRY SIDEWALL SPRINKLER HEADS IN WALLS UNDER OVERHANG. SEE DETAIL 14, SHEET F0.01.
- ⑤ PROVIDE SPRINKLER HEADS AT ELEVATOR PIT. SEE DETAIL 13, SHEET F0.01.
- ⑥ DO NOT PLACE SPRINKLER HEADS IN SHOWERS.
- ⑦ PROVIDE DRY BARREL PENDANT SPRINKLER DETAIL. SEE DETAIL 15, SHEET F0.01.
- ⑧ PROVIDE UPRIGHT SPRINKLER HEADS BELOW TRACK. SEE DETAILS 2 & 3, SHEET F0.01.



1 FIRST FLOOR L1 - FIRE PROTECTION
SCALE: 1/8" = 1'-0"



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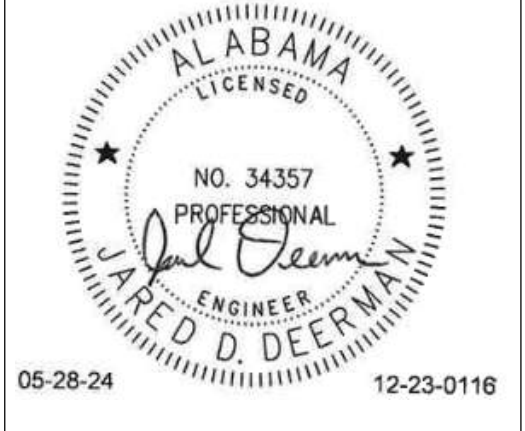


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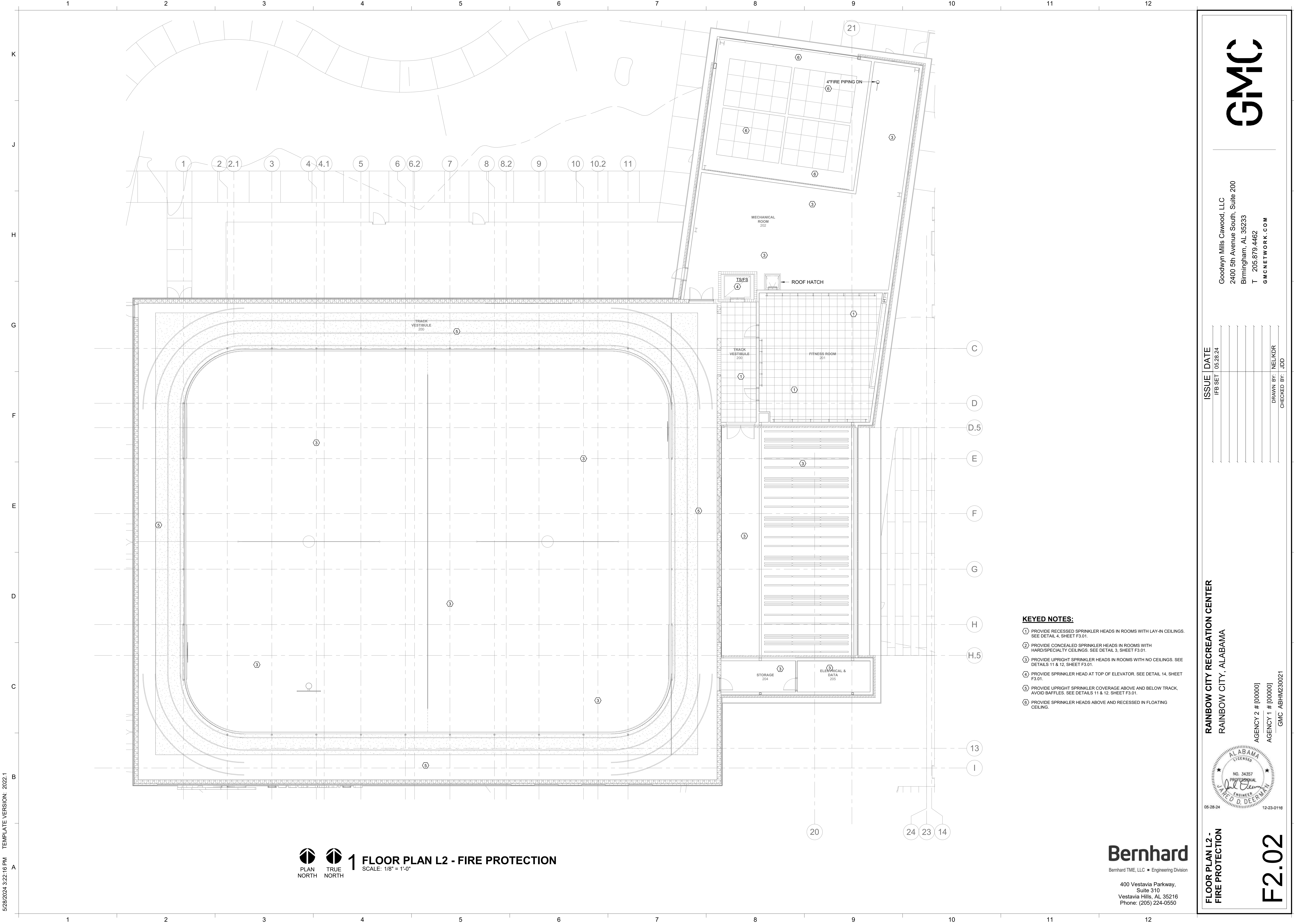
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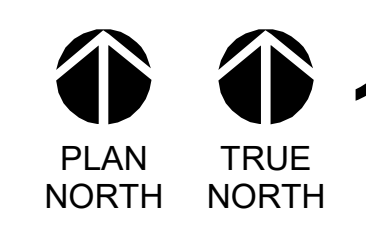
FIRST FLOOR L1 - FIRE PROTECTION

F2.01

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1 FLOOR PLAN L2 - FIRE PROTECTION
SCALE: 1/8" = 1'-0"



- KEYED NOTES:**
- ① PROVIDE RECESSED SPRINKLER HEADS IN ROOMS WITH LAY-IN CEILINGS. SEE DETAIL 4, SHEET F3.01.
 - ② PROVIDE CONCEALED SPRINKLER HEADS IN ROOMS WITH HARD/SPECIALTY CEILINGS. SEE DETAIL 3, SHEET F3.01.
 - ③ PROVIDE UPRIGHT SPRINKLER HEADS IN ROOMS WITH NO CEILINGS. SEE DETAILS 11 & 12, SHEET F3.01.
 - ④ PROVIDE SPRINKLER HEAD AT TOP OF ELEVATOR. SEE DETAIL 14, SHEET F3.01.
 - ⑤ PROVIDE UPRIGHT SPRINKLER COVERAGE ABOVE AND BELOW TRACK. AVOID BAFFLES. SEE DETAILS 11 & 12, SHEET F3.01.
 - ⑥ PROVIDE SPRINKLER HEADS ABOVE AND RECESSED IN FLOATING CEILING.

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FLOOR PLAN L2 - FIRE PROTECTION

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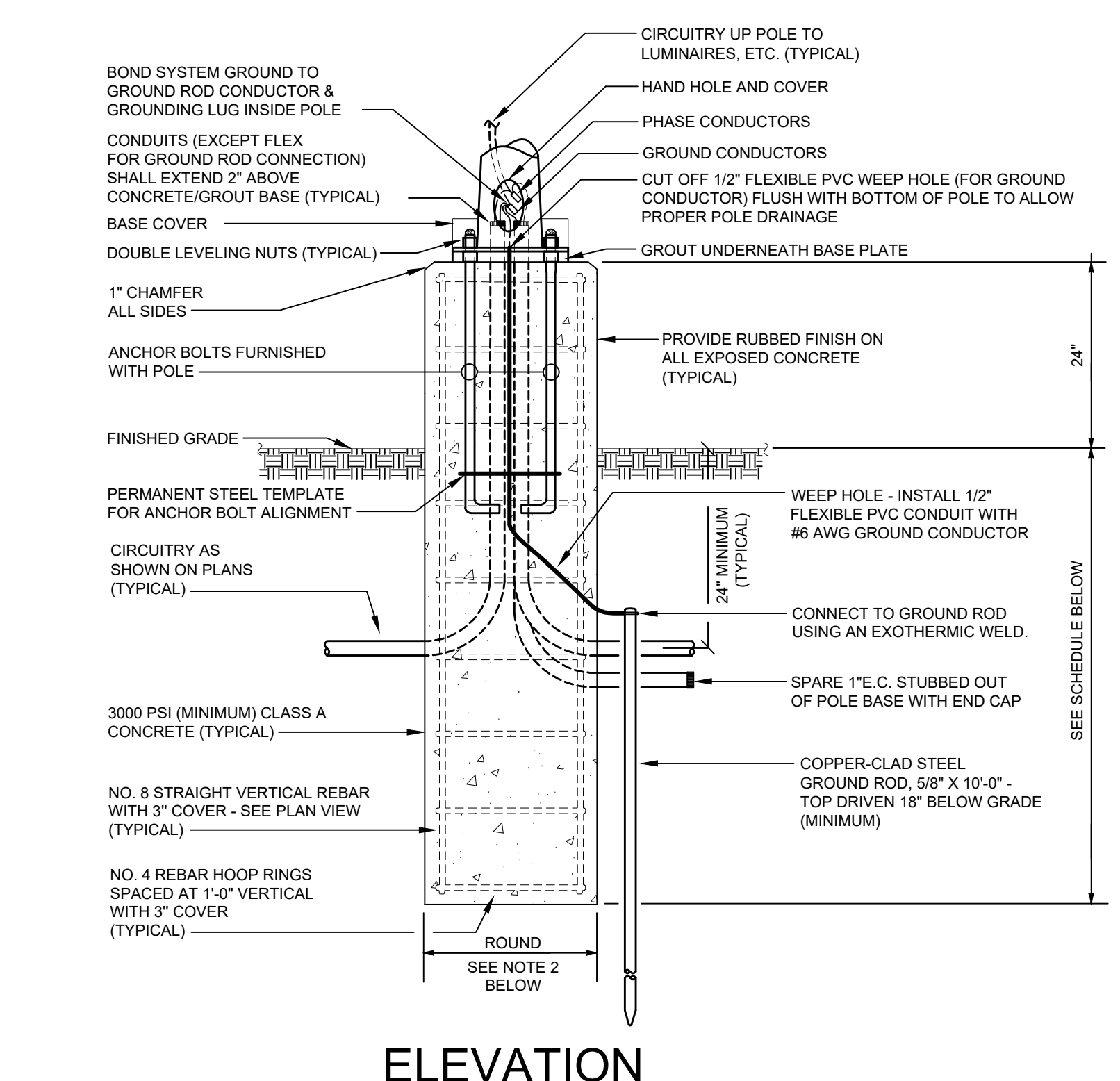
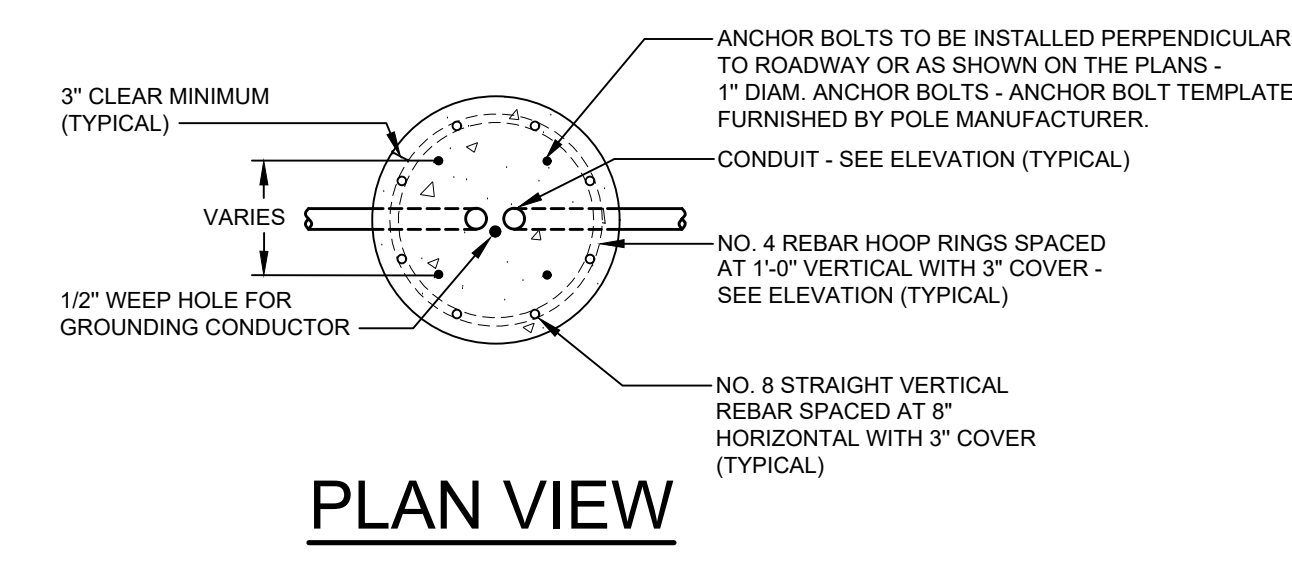
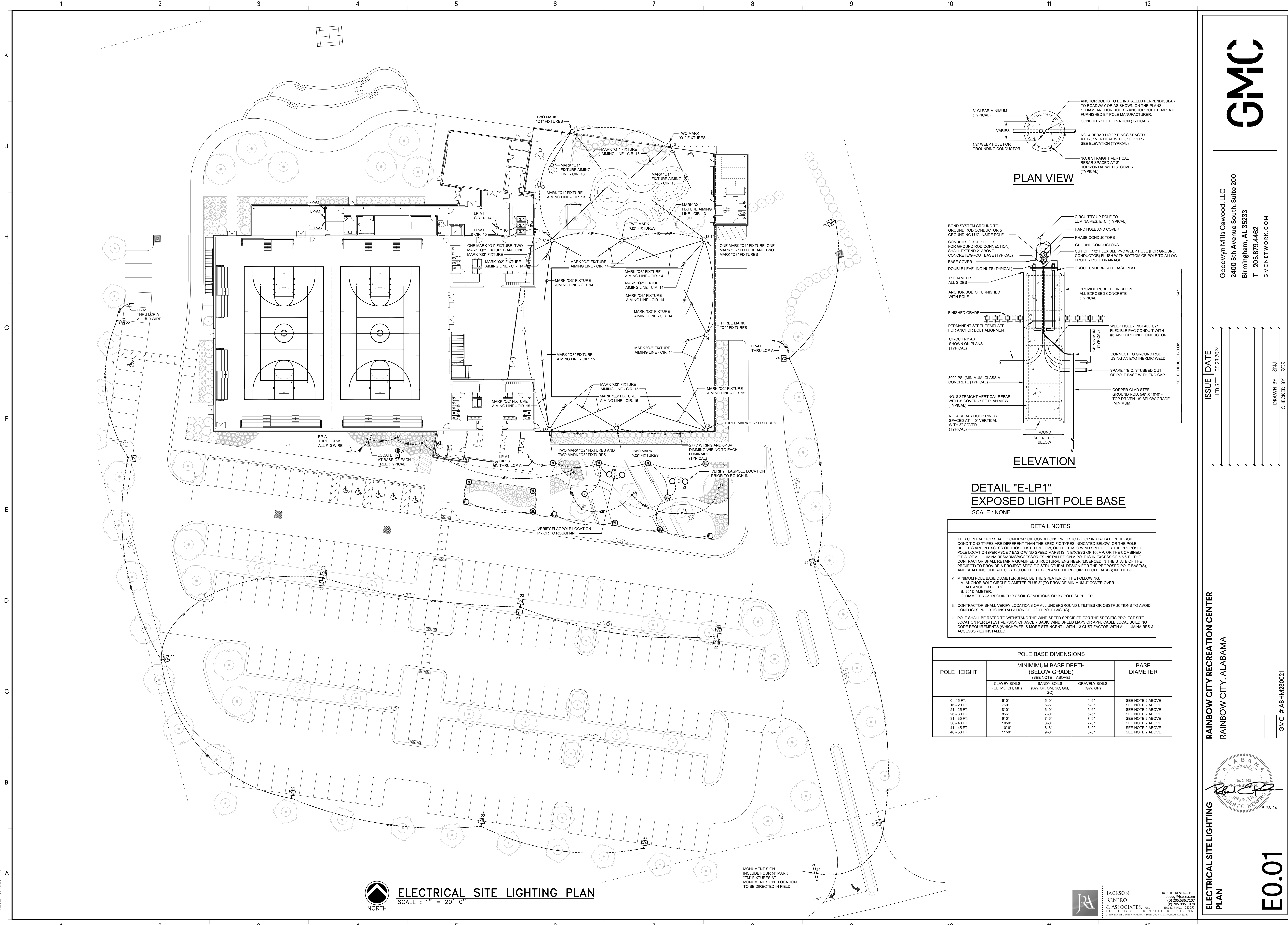
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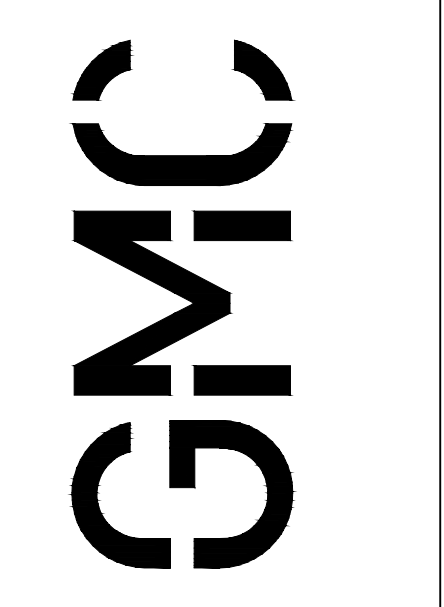


DETAIL "E-LP1"
EXPOSED LIGHT POLE BASE
 SCALE : NONE

- DETAIL NOTES**
1. THIS CONTRACTOR SHALL CONFIRM SOIL CONDITIONS PRIOR TO BID OR INSTALLATION. IF SOIL CONDITIONS/TYPES ARE DIFFERENT THAN THE SPECIFIC TYPES INDICATED BELOW, OR THE POLE HEIGHTS ARE IN EXCESS OF THOSE LISTED BELOW, OR THE BASIC WIND SPEED FOR THE PROPOSED POLE LOCATION (PER ASCE 7 BASIC WIND SPEED MAPS) IS IN EXCESS OF 100MP, OR THE COMBINED E.P.A. OF ALL LUMINAIRES/ARMS/ACCESSORIES INSTALLED ON A POLE IS IN EXCESS OF 5.0 S.F., THE CONTRACTOR SHALL RETAIN A QUALIFIED STRUCTURAL ENGINEER (LICENSED IN THE STATE OF THE PROJECT) TO PROVIDE A PROJECT-SPECIFIC STRUCTURAL DESIGN FOR THE PROPOSED POLE BASE(S), AND SHALL INCLUDE ALL COSTS (FOR THE DESIGN AND THE REQUIRED POLE BASE(S)) IN THE BID.
 2. MINIMUM POLE BASE DIAMETER SHALL BE THE GREATER OF THE FOLLOWING:
 - A. ANCHOR BOLT CIRCLE DIAMETER PLUS 8" (TO PROVIDE MINIMUM 4" COVER OVER ALL ANCHOR BOLTS).
 - B. 20" DIAMETER.
 - C. DIAMETER AS REQUIRED BY SOIL CONDITIONS OR BY POLE SUPPLIER.
 3. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES OR OBSTRUCTIONS TO AVOID CONFLICTS PRIOR TO INSTALLATION OF LIGHT POLE BASE(S).
 4. POLE SHALL BE RATED TO WITHSTAND THE WIND SPEED SPECIFIED FOR THE SPECIFIC PROJECT SITE LOCATION PER LATEST VERSION OF ASCE 7 BASIC WIND SPEED MAPS OR APPLICABLE LOCAL BUILDING CODE REQUIREMENTS (WHICHEVER IS MORE STRINGENT), WITH 1.3 GUST FACTOR WITH ALL LUMINAIRES & ACCESSORIES INSTALLED.

POLE HEIGHT	MINIMUM BASE DEPTH (BELOW GRADE) (SEE NOTE 1 ABOVE)				BASE DIAMETER
	CLAYEY SOILS (CL, ML, CH, MH)		SANDY SOILS (SW, SP, SM, SC, GC, GM, GG)		
	CL, ML, CH, MH	SW, SP, SM, SC, GC, GM, GG	SW, SP, SM, SC, GC, GM, GG	(GW, GP)	
9 - 15 FT.	6'-0"	5'-0"	5'-0"	4'-6"	SEE NOTE 2 ABOVE
16 - 20 FT.	7'-0"	6'-0"	6'-0"	5'-0"	SEE NOTE 2 ABOVE
21 - 25 FT.	8'-0"	7'-0"	7'-0"	5'-6"	SEE NOTE 2 ABOVE
26 - 30 FT.	8'-6"	7'-6"	7'-6"	6'-0"	SEE NOTE 2 ABOVE
31 - 35 FT.	9'-0"	8'-0"	8'-0"	7'-0"	SEE NOTE 2 ABOVE
36 - 40 FT.	10'-0"	8'-6"	8'-6"	7'-6"	SEE NOTE 2 ABOVE
41 - 45 FT.	10'-6"	9'-0"	9'-0"	8'-0"	SEE NOTE 2 ABOVE
46 - 50 FT.	11'-0"	9'-6"	9'-6"	8'-6"	SEE NOTE 2 ABOVE

ELECTRICAL SITE LIGHTING PLAN
 SCALE : 1" = 20'-0"
 NORTH



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ELECTRICAL SITE LIGHTING PLAN

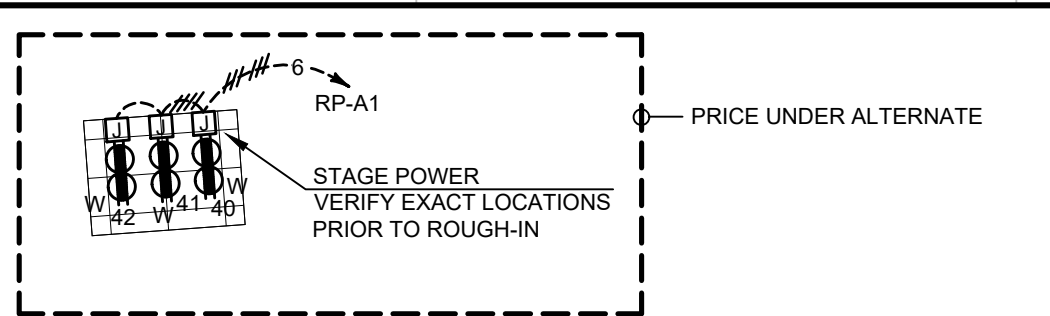
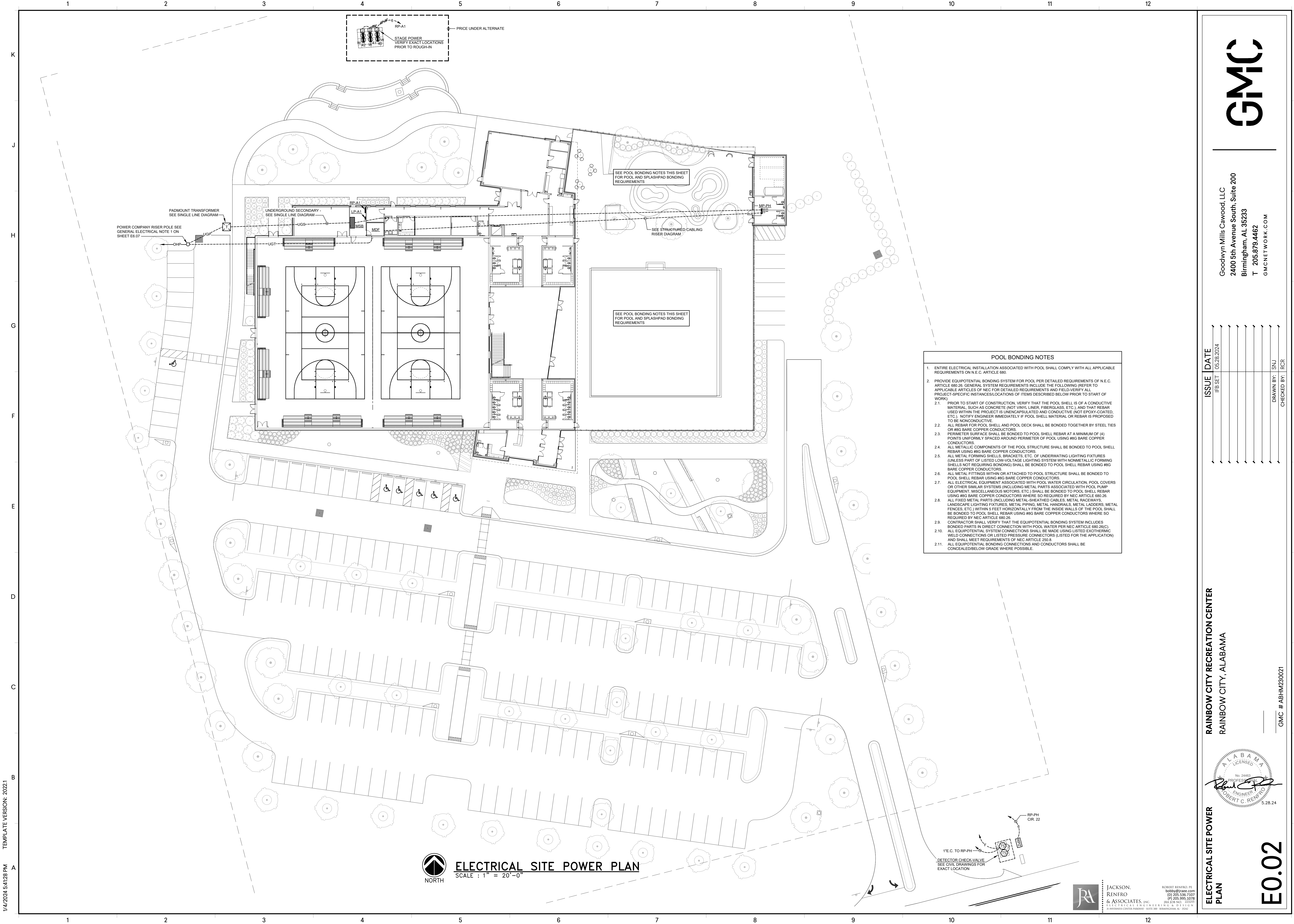
JACKSON, RENFRO & ASSOCIATES, INC.
 ENGINEER
 ROBERT RENFRO, PE
 No. 24485
 PROFESSIONAL ENGINEER
 ROBERT C. RENFRO
 28.24

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GMC # ABHM/230021

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POOL BONDING NOTES

- ENTIRE ELECTRICAL INSTALLATION ASSOCIATED WITH POOL SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS ON N.E.C. ARTICLE 680.
- PROVIDE EQUIPOTENTIAL BONDING SYSTEM FOR POOL PER DETAILED REQUIREMENTS OF N.E.C. ARTICLE 680.26. GENERAL SYSTEM REQUIREMENTS INCLUDE THE FOLLOWING (REFER TO APPLICABLE ARTICLES OR NEC FOR DETAILED REQUIREMENTS AND FIELD-VERIFY ALL PROJECT-SPECIFIC INSTANCES/LOCATIONS OF ITEMS DESCRIBED BELOW PRIOR TO START OF WORK):
 - PRIOR TO START OF CONSTRUCTION, VERIFY THAT THE POOL SHELL IS OF A CONDUCTIVE MATERIAL, SUCH AS CONCRETE (NOT VINYL LINER, FIBERGLASS, ETC.), AND THAT REBAR USED WITHIN THE PROJECT IS UNENCAPSULATED AND CONDUCTIVE (NOT EPOXY-COATED, ETC.). NOTIFY ENGINEER IMMEDIATELY IF POOL SHELL MATERIAL OR REBAR IS PROPOSED TO BE NONCONDUCTIVE.
 - ALL REBAR FOR POOL SHELL AND POOL DECK SHALL BE BONDED TOGETHER BY STEEL TIES OR #8G BARE COPPER CONDUCTORS.
 - PERIMETER SURFACE SHALL BE BONDED TO POOL SHELL REBAR AT A MINIMUM OF (4) POINTS UNIFORMLY SPACED AROUND PERIMETER OF POOL USING #8G BARE COPPER CONDUCTORS.
 - ALL METALLIC COMPONENTS OF THE POOL STRUCTURE SHALL BE BONDED TO POOL SHELL REBAR USING #8G BARE COPPER CONDUCTORS.
 - ALL METAL FORMING SHELLS, BRACKETS, ETC. OF UNDERWATER LIGHTING FIXTURES (UNLESS PART OF LISTED LOW-VOLTAGE LIGHTING SYSTEM WITH NONMETALLIC FORMING SHELLS NOT REQUIRING BONDING) SHALL BE BONDED TO POOL SHELL REBAR USING #8G BARE COPPER CONDUCTORS.
 - ALL METAL FITTINGS WITHIN OR ATTACHED TO POOL STRUCTURE SHALL BE BONDED TO POOL SHELL REBAR USING #8G BARE COPPER CONDUCTORS.
 - ALL ELECTRICAL EQUIPMENT ASSOCIATED WITH POOL WATER CIRCULATION, POOL COVERS OR OTHER SIMILAR SYSTEMS (INCLUDING METAL PARTS ASSOCIATED WITH POOL PUMP EQUIPMENT, MISCELLANEOUS MOTORS, ETC.) SHALL BE BONDED TO POOL SHELL REBAR USING #8G BARE COPPER CONDUCTORS WHERE SO REQUIRED BY NEC ARTICLE 680.26.
 - ALL FIXED METAL PARTS (INCLUDING METAL-SHEATHED CABLES, METAL RACEWAYS, LANDSCAPE LIGHTING FIXTURES, METAL PIPING, METAL HANDRAILS, METAL LADDERS, METAL FENCES, ETC.) WITHIN 5 FEET HORIZONTALLY FROM THE INSIDE WALLS OF THE POOL SHALL BE BONDED TO POOL SHELL REBAR USING #8G BARE COPPER CONDUCTORS WHERE SO REQUIRED BY NEC ARTICLE 680.26.
 - CONTRACTOR SHALL VERIFY THAT THE EQUIPOTENTIAL BONDING SYSTEM INCLUDES BONDED PARTS IN DIRECT CONNECTION WITH POOL WATER PER NEC ARTICLE 680.26(C).
 - ALL EQUIPOTENTIAL SYSTEM CONNECTIONS SHALL BE MADE USING LISTED EXOTHERMIC WELD CONNECTIONS OR LISTED PRESSURE CONNECTORS (LISTED FOR THE APPLICATION) AND SHALL MEET REQUIREMENTS OF NEC ARTICLE 250.8.
 - ALL EQUIPOTENTIAL BONDING CONNECTIONS AND CONDUCTORS SHALL BE CONCEALED/BELOW GRADE WHERE POSSIBLE.

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ELECTRICAL SITE POWER PLAN

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RAINBOW CITY, ALABAMA

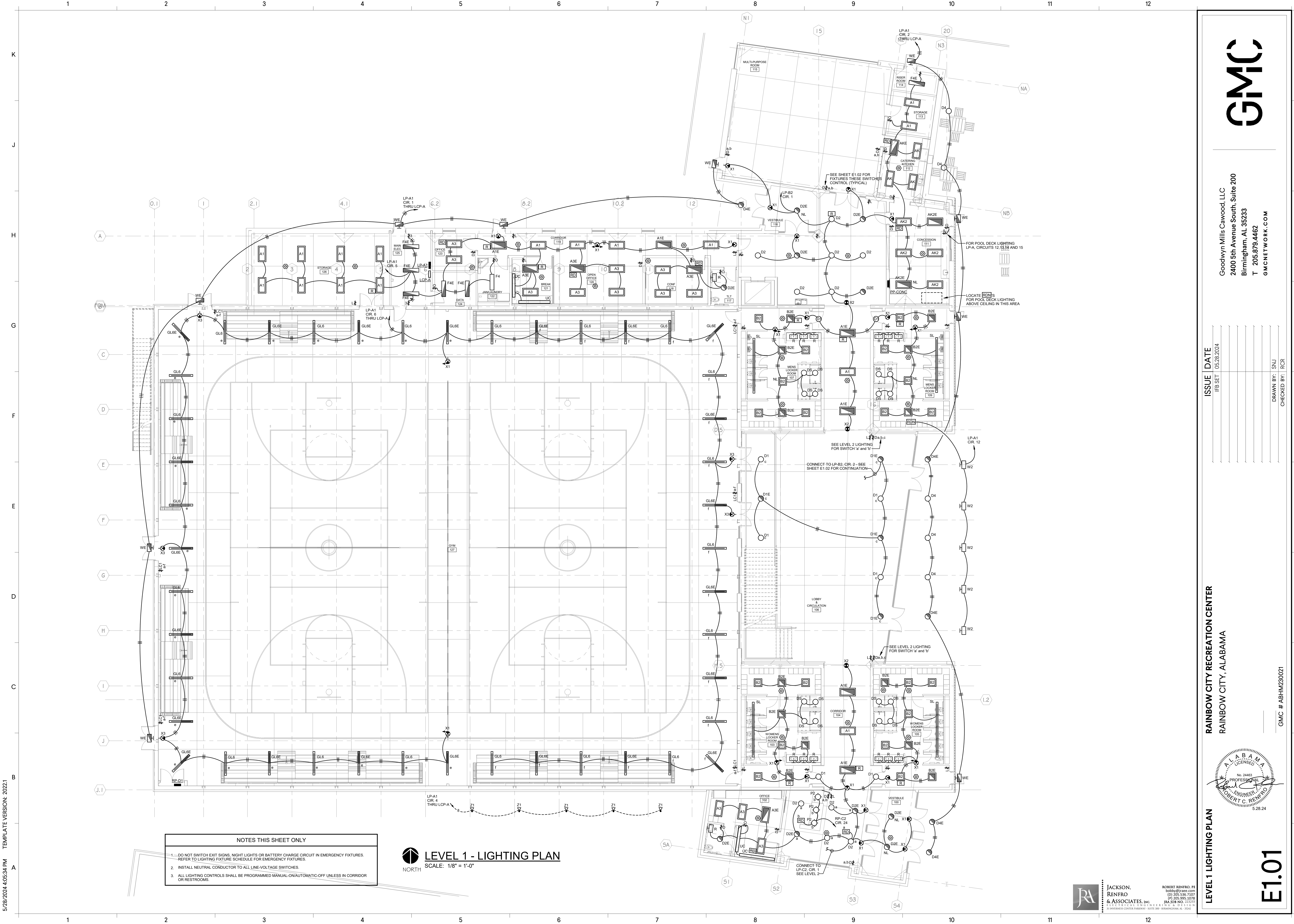
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100 UNIVERSITY CENTER PARKWAY, SUITE 300, BIRMINGHAM, AL 35202
bobby@jra.com (205) 536-7107
205-999-1078
jra.com

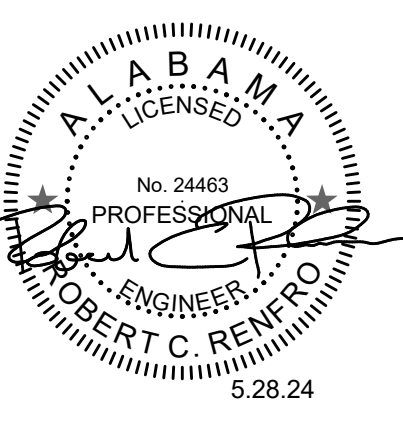


- NOTES THIS SHEET ONLY**
- 1. DO NOT SWITCH EXIT SIGNS, NIGHT LIGHTS OR BATTERY CHARGE CIRCUIT IN EMERGENCY FIXTURES. REFER TO LIGHTING FIXTURE SCHEDULE FOR EMERGENCY FIXTURES.
 - 2. INSTALL NEUTRAL CONDUCTOR TO ALL LINE-VOLTAGE SWITCHES.
 - 3. ALL LIGHTING CONTROLS SHALL BE PROGRAMMED MANUAL-ON/AUTOMATIC-OFF UNLESS IN CORRIDOR OR RESTROOMS.

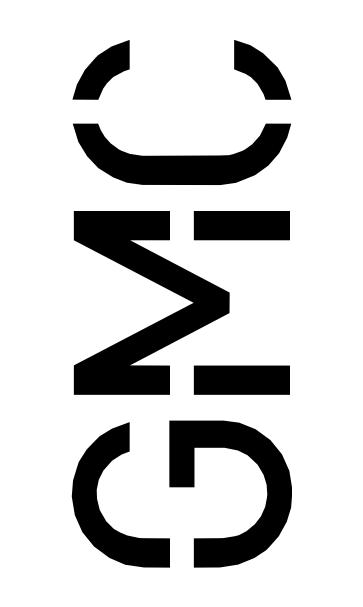
LEVEL 1 - LIGHTING PLAN
SCALE: 1/8" = 1'-0"

LEVEL 1 LIGHTING PLAN

RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA



E1.01



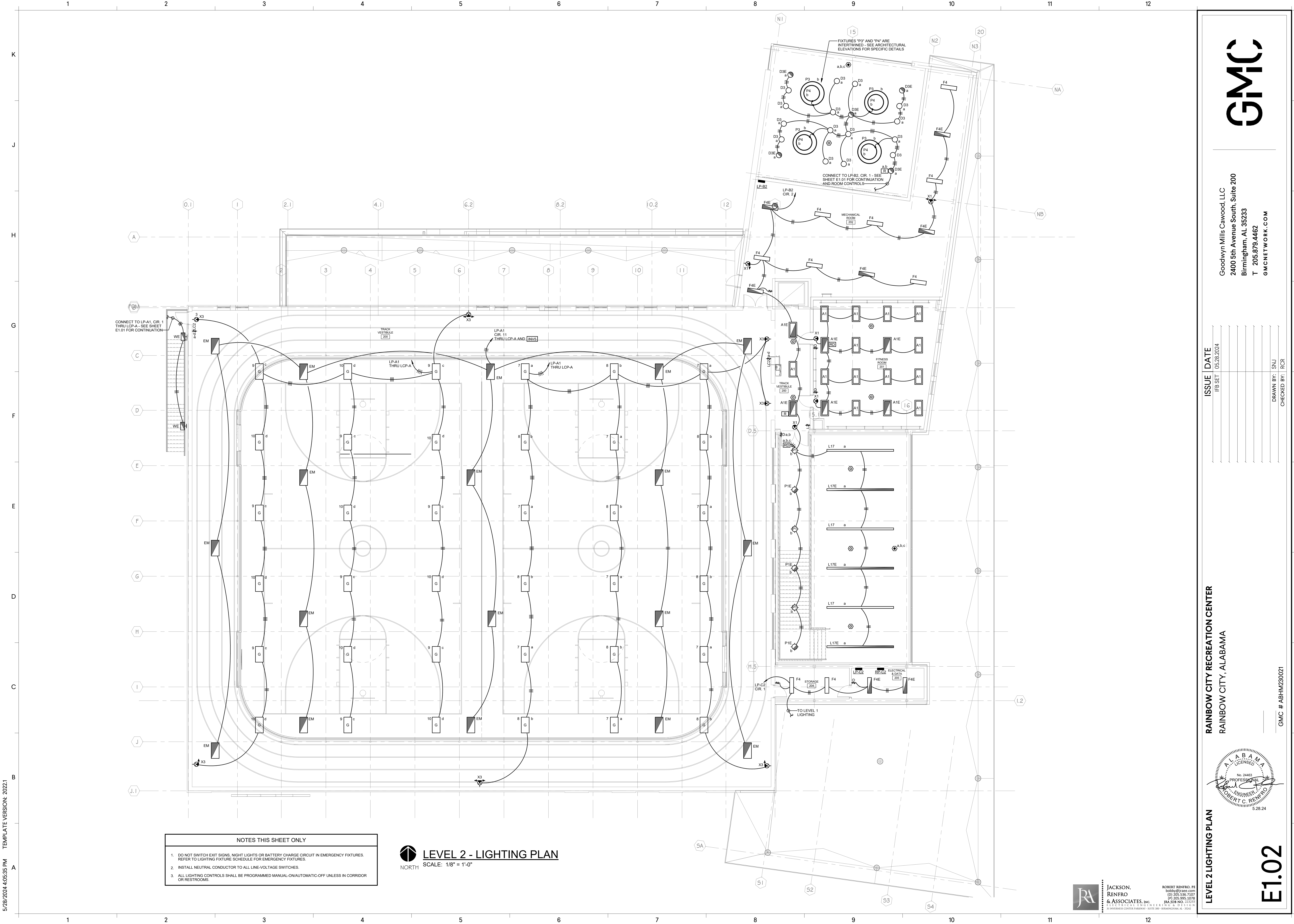
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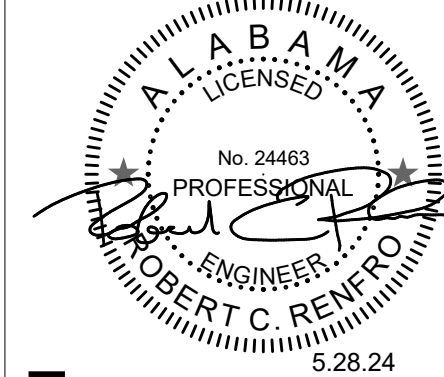
JACKSON, RENFRO & ASSOCIATES, INC.
ROBERT RENFRO, P.E.
bobdy@jra.com
(205) 536-7107
(205) 995-3078
TRA #09 NO. 222553
1111 BENTLEY STREET, SUITE 100, BIRMINGHAM, AL 35202



- NOTES THIS SHEET ONLY**
- DO NOT SWITCH EXIT SIGNS, NIGHT LIGHTS OR BATTERY CHARGE CIRCUIT IN EMERGENCY FIXTURES. REFER TO LIGHTING FIXTURE SCHEDULE FOR EMERGENCY FIXTURES.
 - INSTALL NEUTRAL CONDUCTOR TO ALL LINE-VOLTAGE SWITCHES.
 - ALL LIGHTING CONTROLS SHALL BE PROGRAMMED MANUAL-ON/AUTOMATIC-OFF UNLESS IN CORRIDOR OR RESTROOMS.

LEVEL 2 - LIGHTING PLAN
SCALE: 1/8" = 1'-0"
NORTH

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TRA #00120225
EXPIRES 12/31/24



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LEVEL 2 LIGHTING PLAN

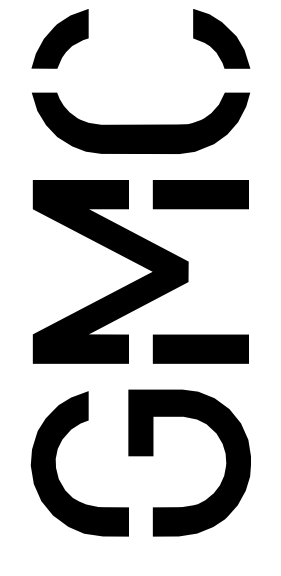
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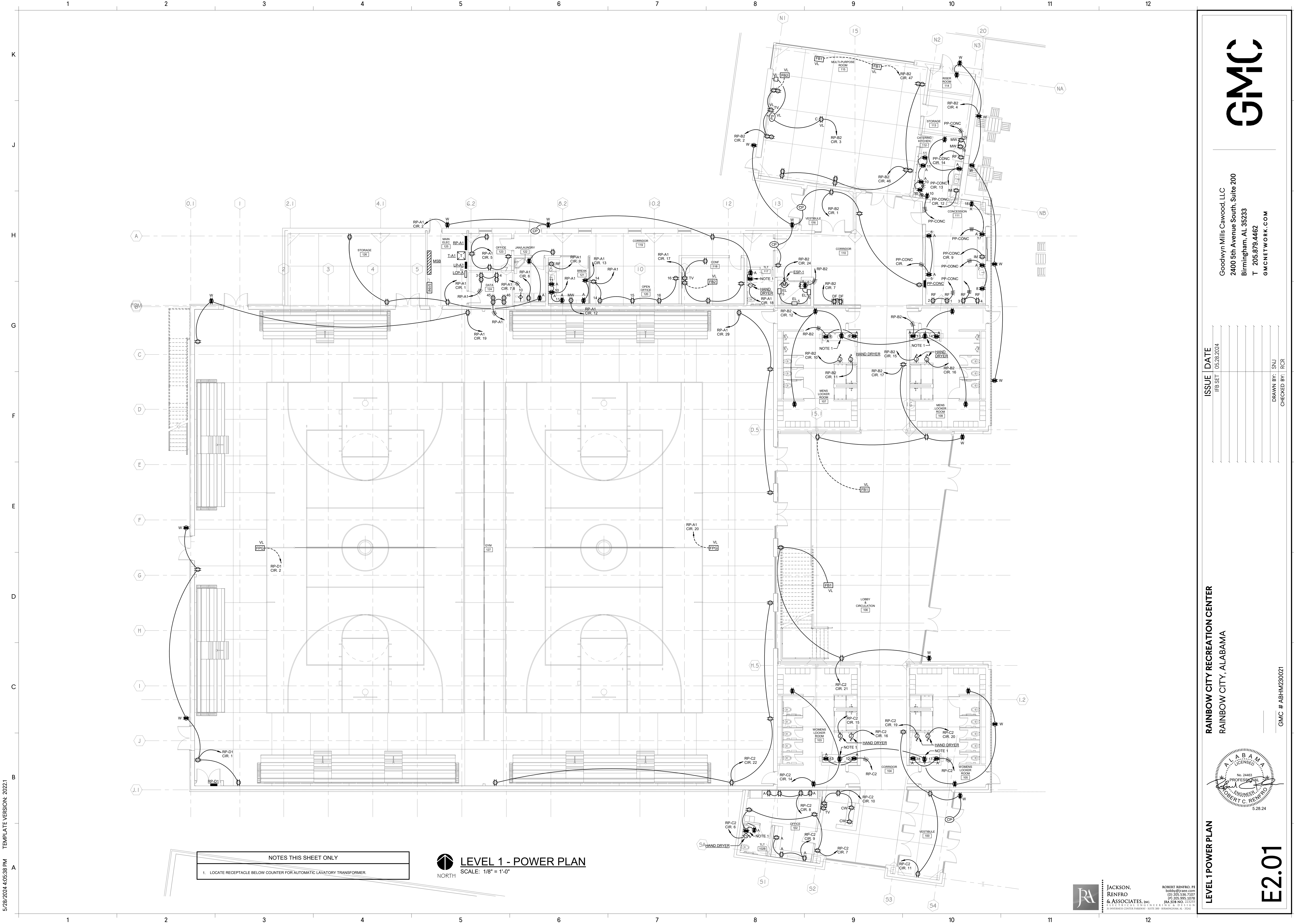
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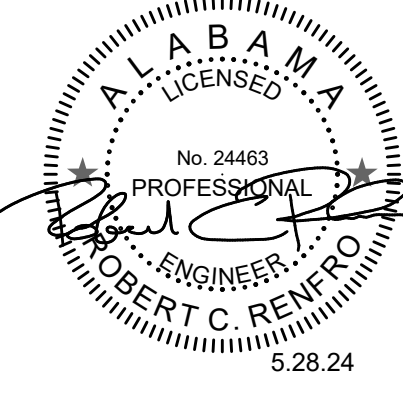
1. LOCATE RECEPTACLE BELOW COUNTER FOR AUTOMATIC LAVATORY TRANSFORMER.

LEVEL 1 - POWER PLAN
SCALE: 1/8" = 1'-0"



JACKSON, RENFRO & ASSOCIATES, INC.
REGISTERED PROFESSIONAL ENGINEERS
100 UNIVERSITY CENTER PARKWAY, SUITE 100, BIRMINGHAM, AL 35202
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WWW.JR&A.COM

NO. 34463



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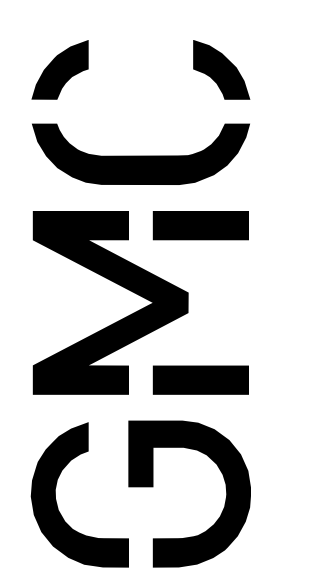
LEVEL 1 POWER PLAN

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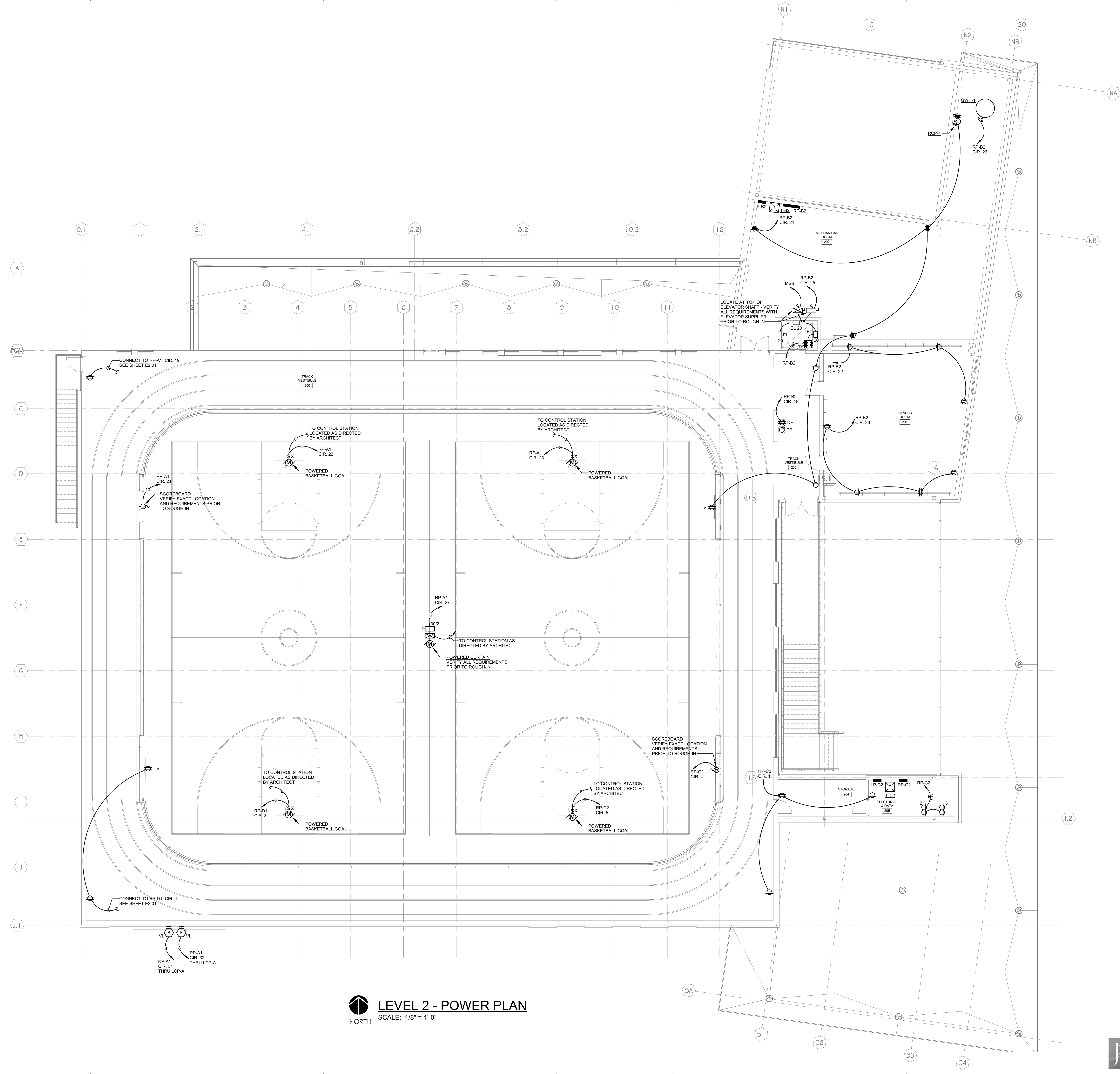
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LEVEL 2 - POWER PLAN
 SCALE: 1/8" = 1'-0"
 NORTH

LEVEL 2 POWER PLAN

E2.02

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 5.28.24

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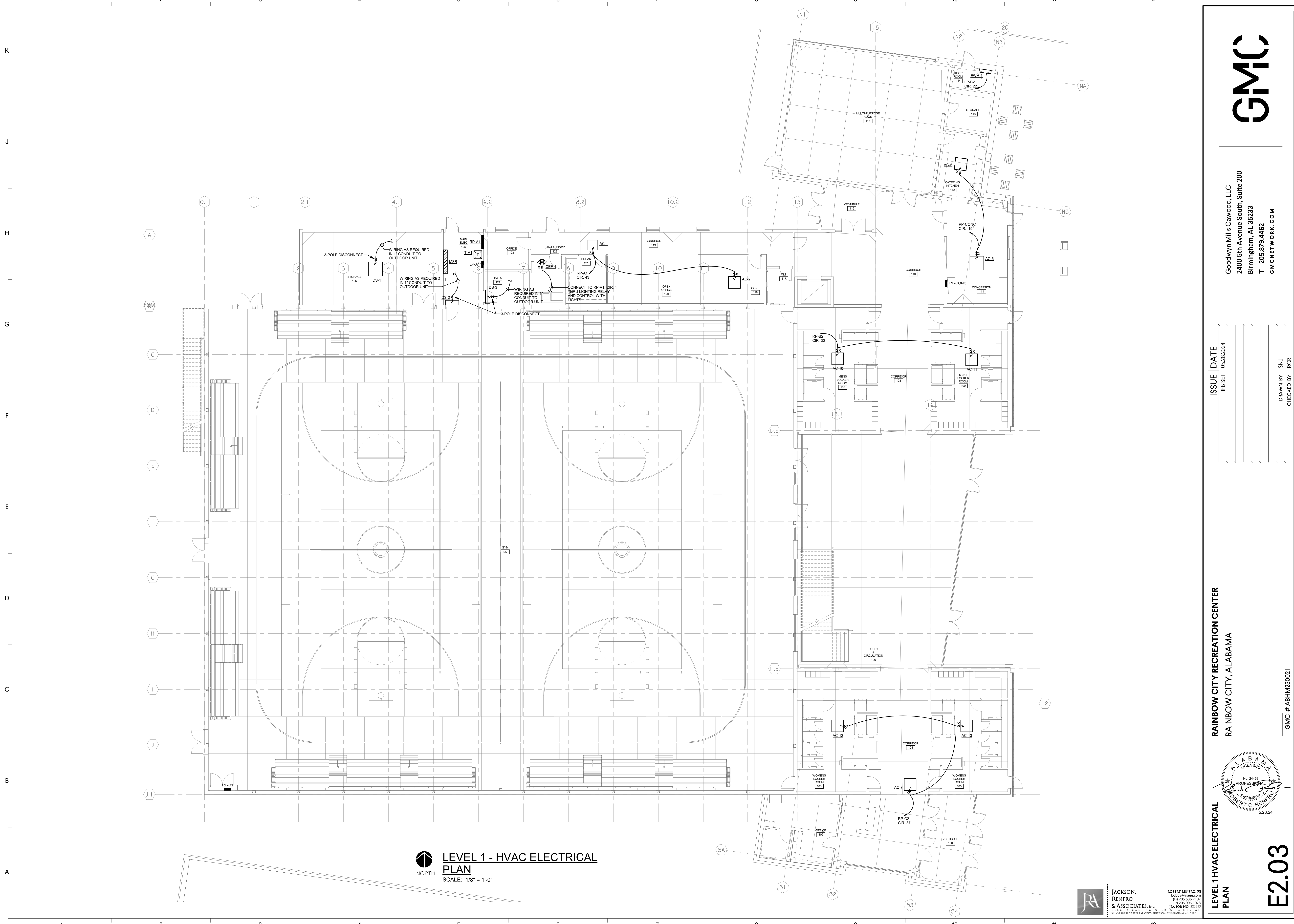
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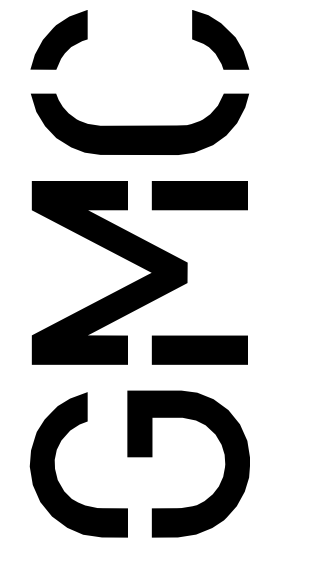
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LEVEL 1 - HVAC ELECTRICAL PLAN
 SCALE: 1/8" = 1'-0"



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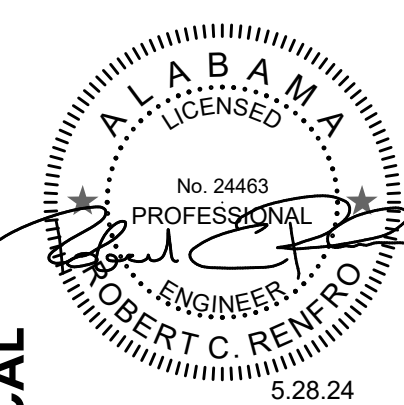
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GMC # ABHM230021

LEVEL 1 HVAC ELECTRICAL PLAN


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 RAINBOW CITY, ALABAMA

E2.03



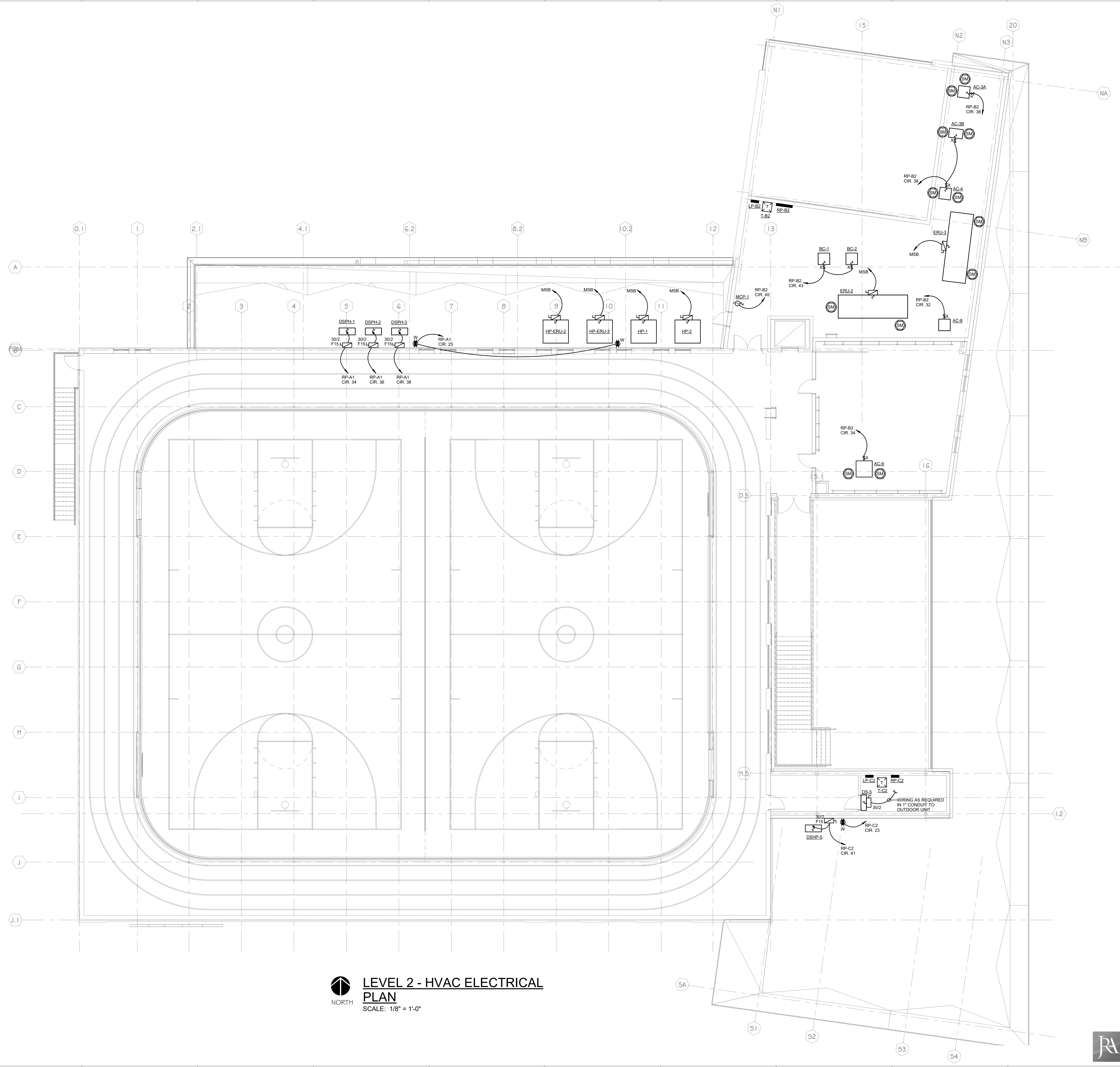


ROBERT RENFRO, P.E.
 RENFRO & ASSOCIATES, INC.
 LICENSE NO. 220535
 ENGINEER - ELECTRICAL
 UNIVERSITY CENTER PARKWAY, SUITE 100, BIRMINGHAM, AL 35242



JACKSON, RENFRO & ASSOCIATES, INC.
 LICENSE NO. 220535
 ENGINEER - ELECTRICAL
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LEVEL 2 - HVAC ELECTRICAL PLAN
 SCALE: 1/8" = 1'-0"

LEVEL 2 HVAC ELECTRICAL PLAN

E2.04

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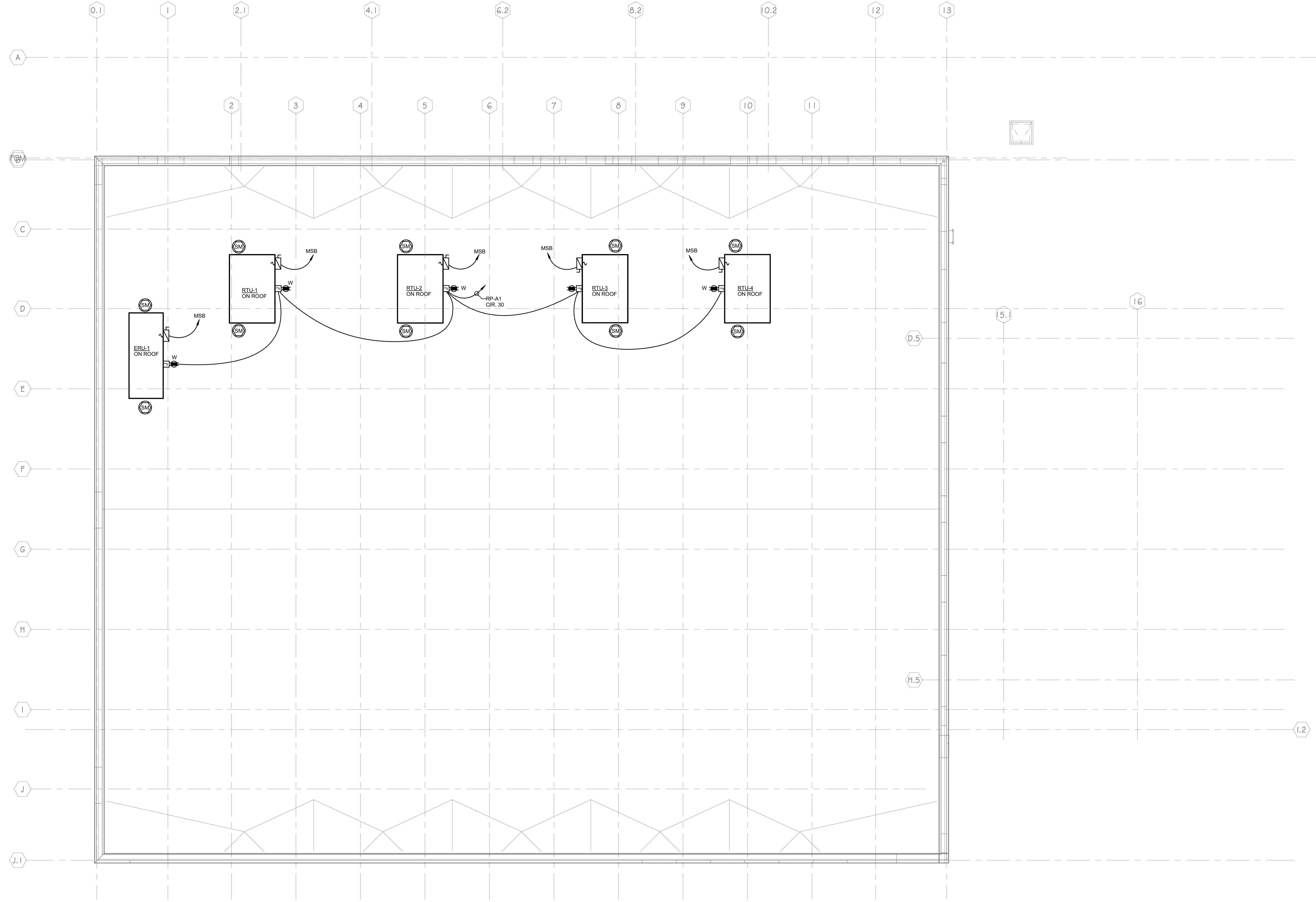
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 LICENSED
 PROFESSIONAL
 ENGINEER
 ROBERT C. RENFRO
 5.28.24

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UPPER ROOF - HVAC
ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"

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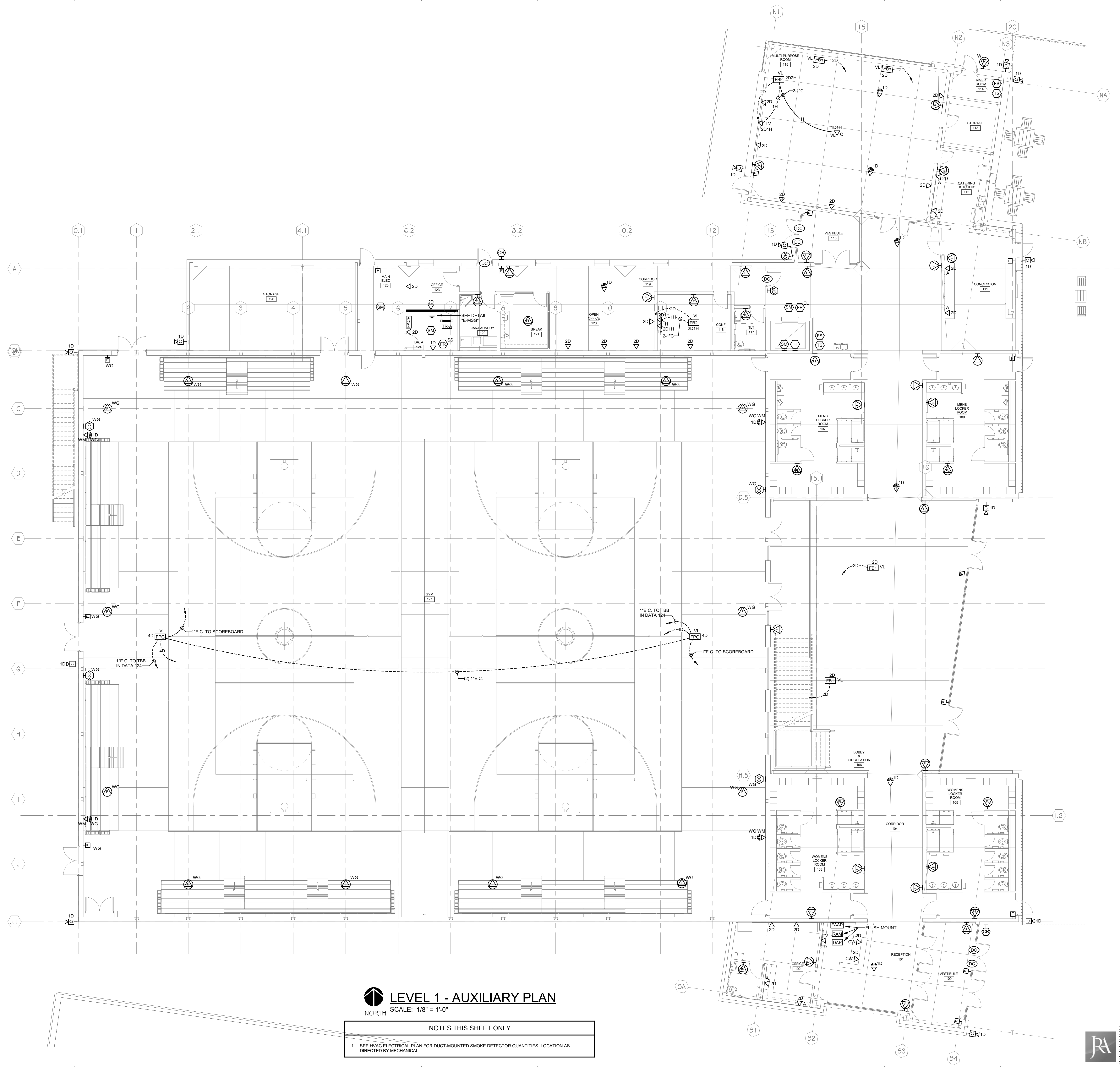
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UPPER ROOF HVAC ELECTRICAL PLAN

GMC # ABHM230021

E2.05

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

NOTES THIS SHEET ONLY

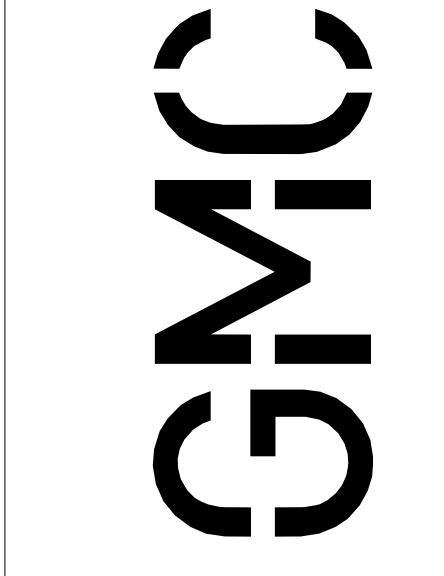
- SEE HVAC ELECTRICAL PLAN FOR DUCT-MOUNTED SMOKE DETECTOR QUANTITIES. LOCATION AS DIRECTED BY MECHANICAL.

LEVEL 1 AUXILIARY PLAN

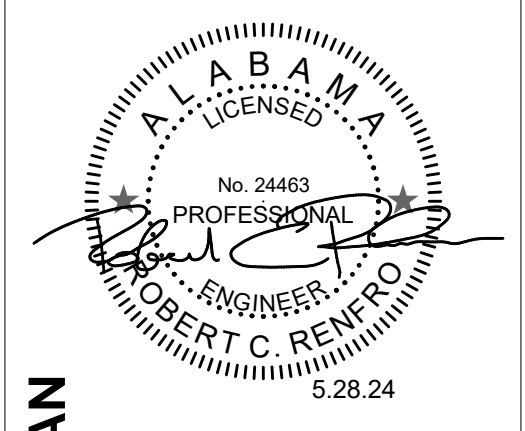
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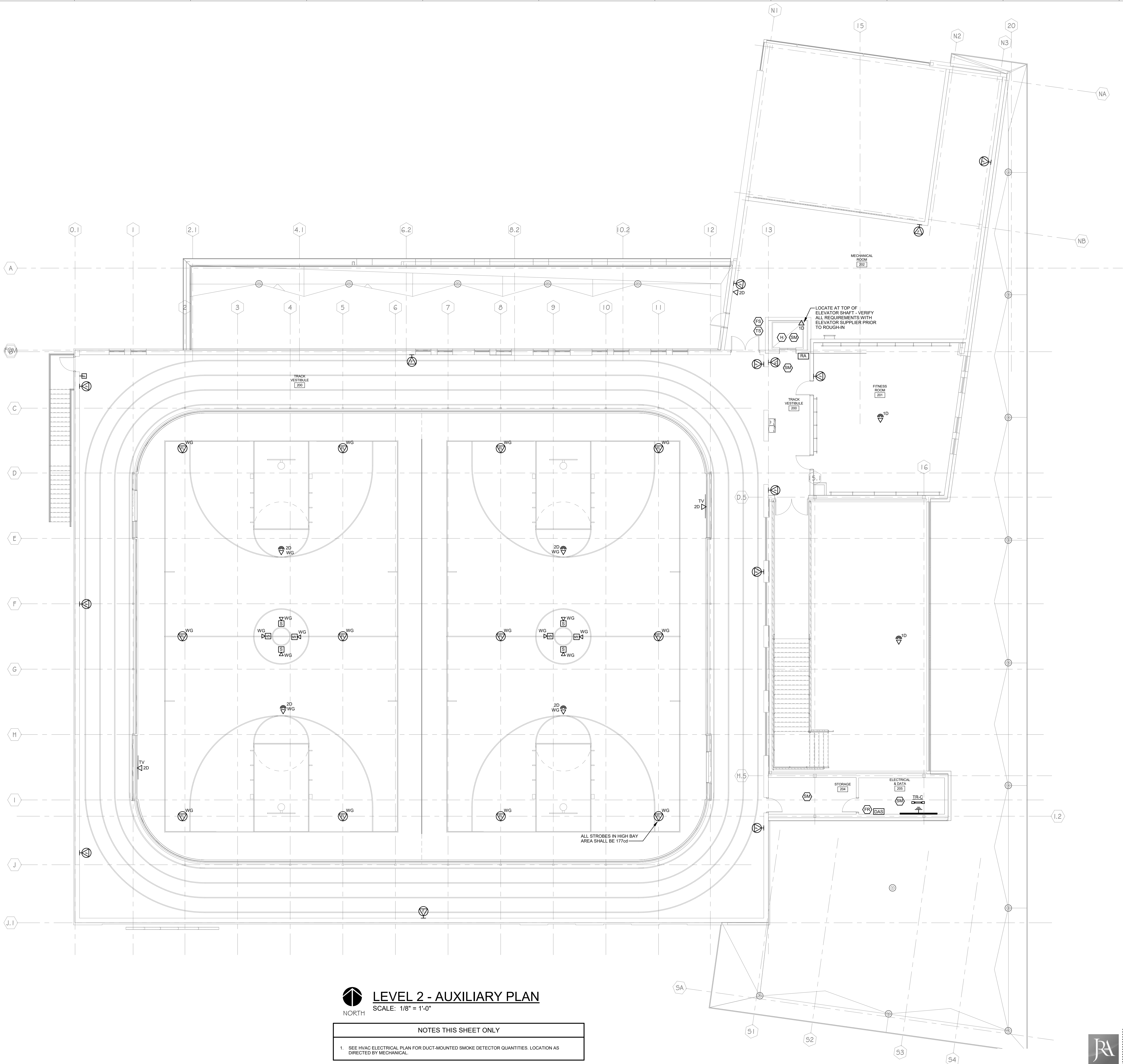
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E3.01

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LEVEL 2 - AUXILIARY PLAN
 SCALE: 1/8" = 1'-0"
 NORTH

NOTES THIS SHEET ONLY

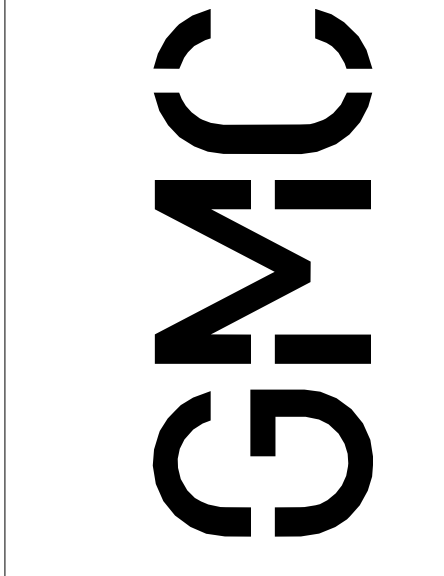
- SEE HVAC ELECTRICAL PLAN FOR DUCT-MOUNTED SMOKE DETECTOR QUANTITIES. LOCATION AS DIRECTED BY MECHANICAL.

LEVEL 2 AUXILIARY PLAN

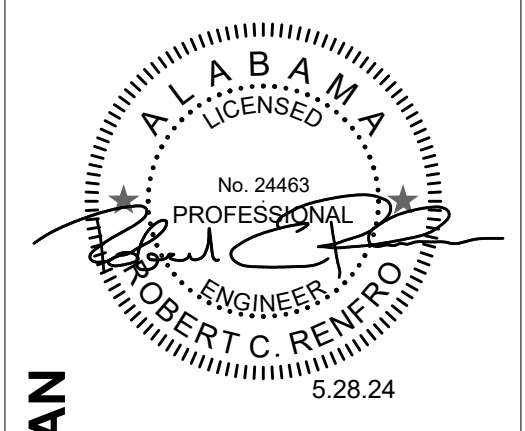
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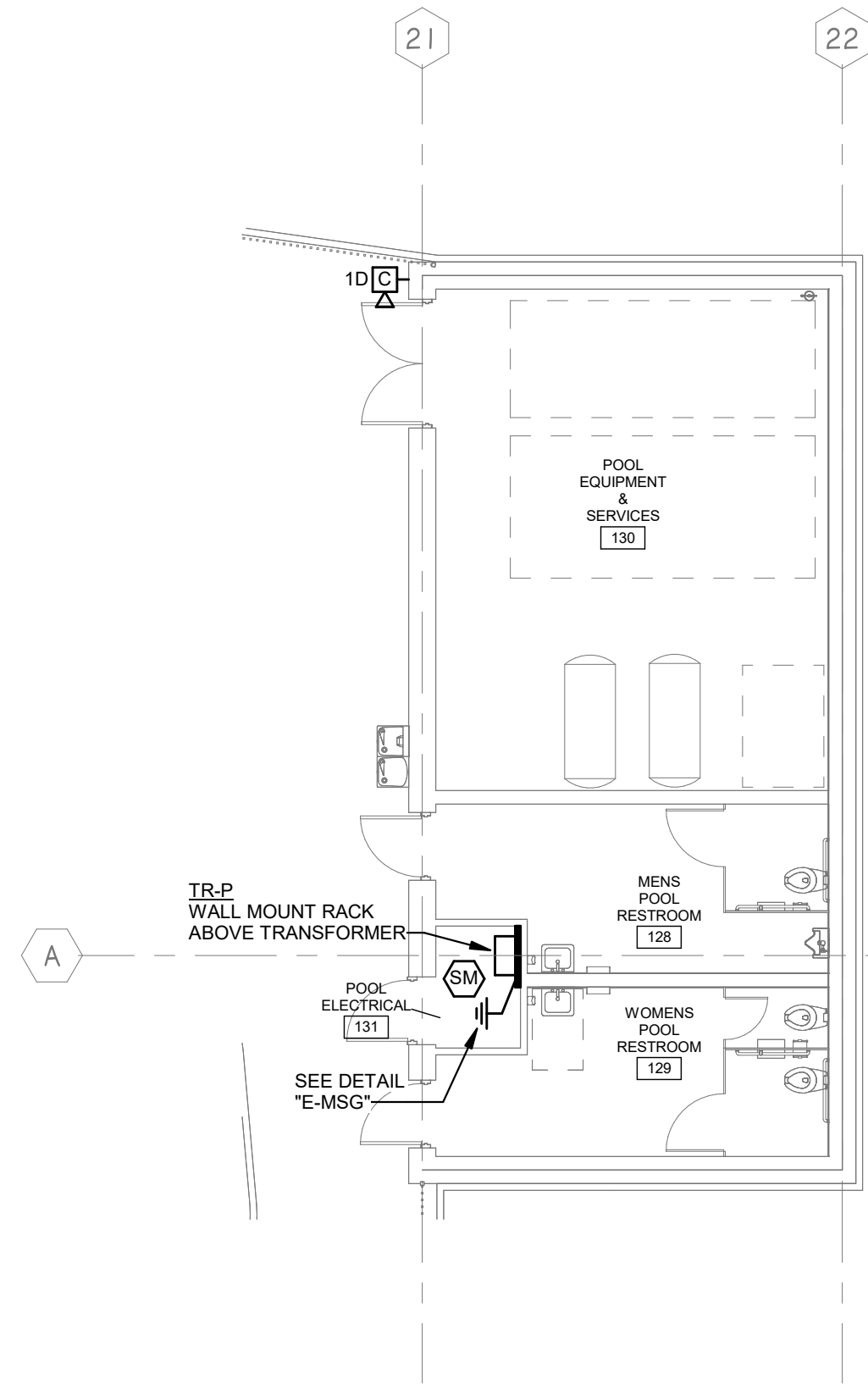
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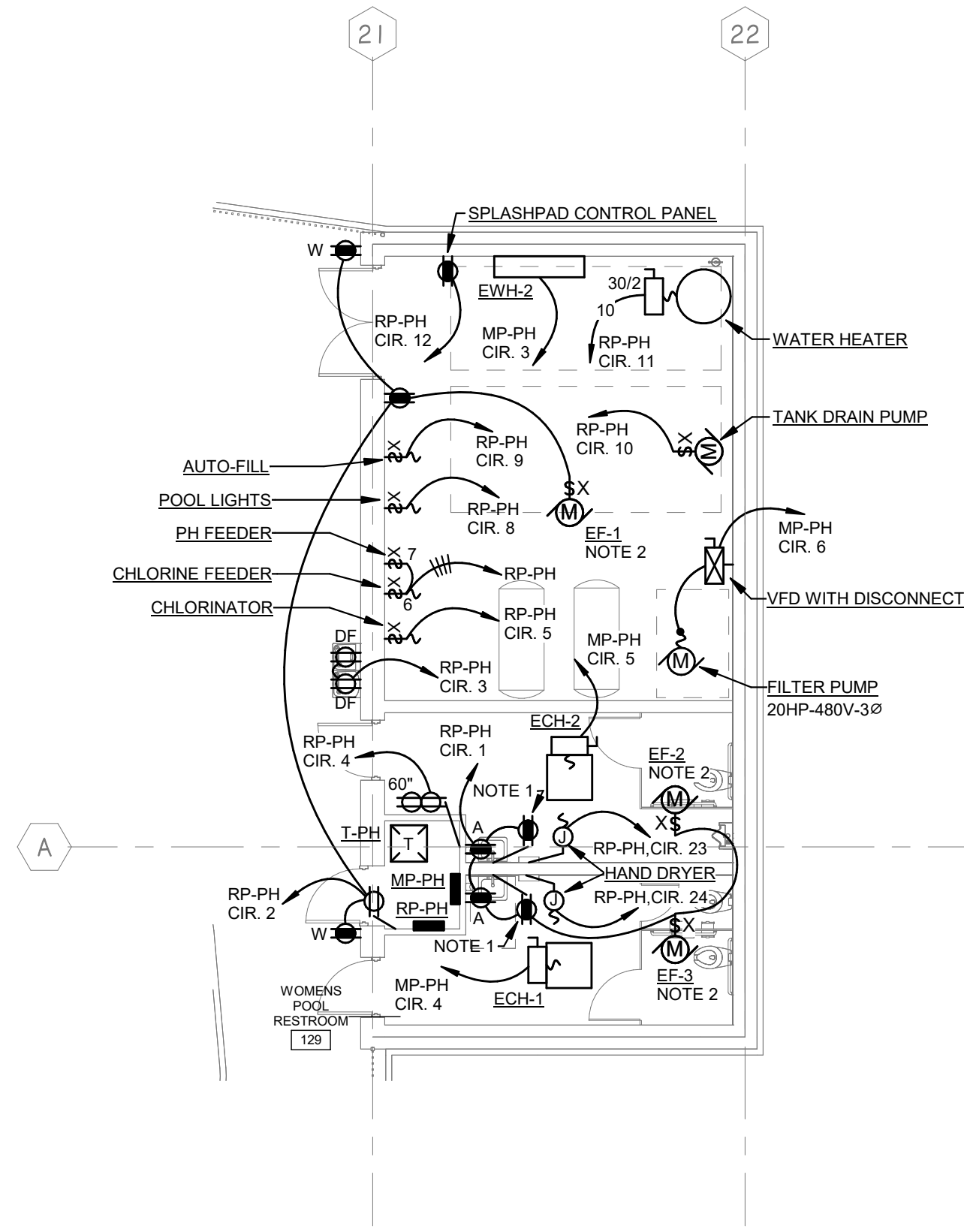
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E3.02

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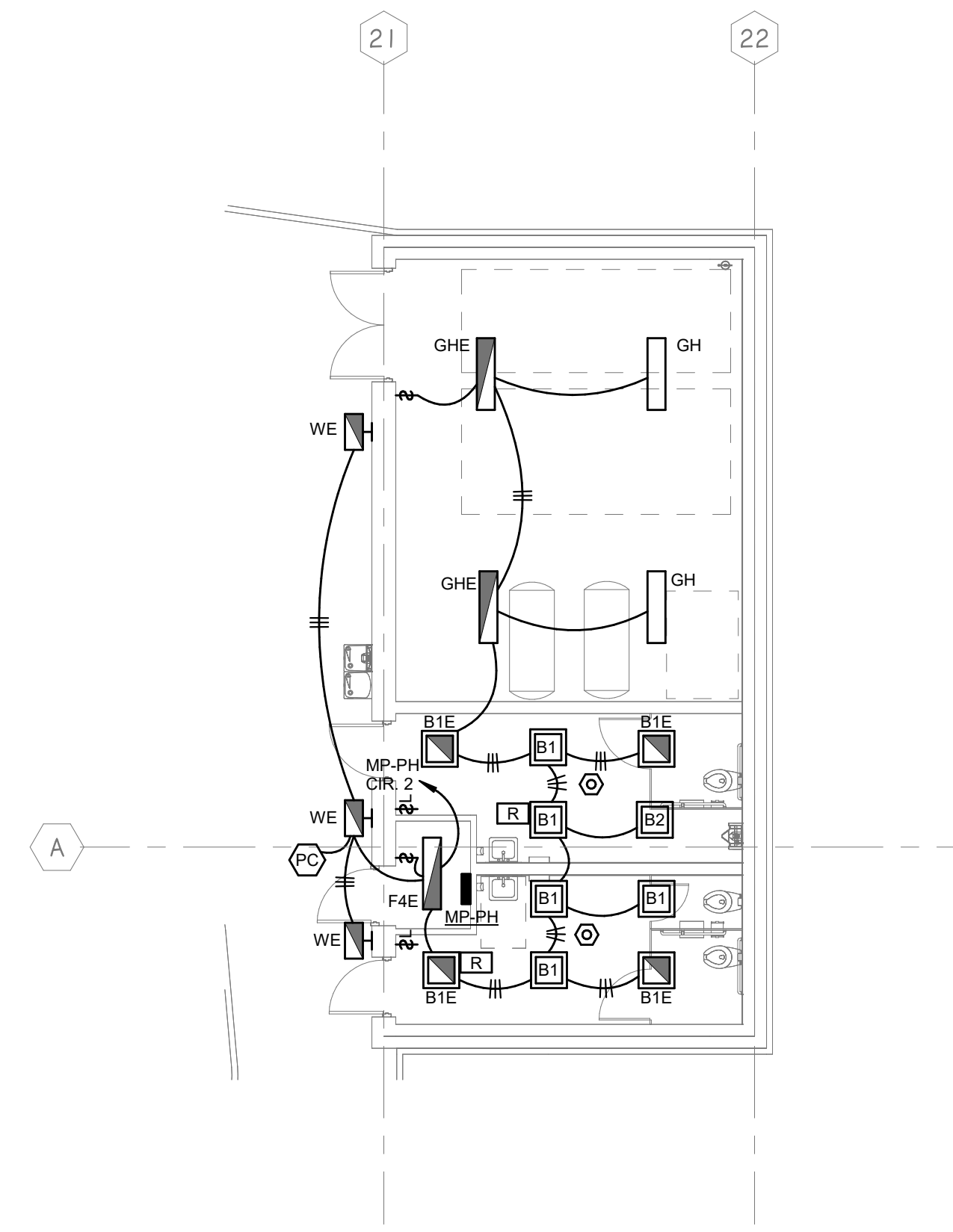


POOL BUILDING AUXILIARY PLAN
SCALE: 1/8" = 1'-0"



POOL BUILDING POWER PLAN
SCALE: 1/8" = 1'-0"

- NOTES THIS SHEET ONLY**
1. LOCATE RECEPTACLE BELOW COUNTER FOR AUTOMATIC LAVATORY TRANSFORMER.
 2. PROVIDE LIGHTING CONTROL RELAY TO CONTROL FAN WITH LIGHT.
 3. ALL CONDUIT IN POOL EQUIPMENT ROOM SHALL BE SCHEDULE 40 PVC.
 4. THIS CONTRACTOR SHALL VERIFY EXACT REQUIREMENTS FOR ALL POOL EQUIPMENT FROM MANUFACTURERS' RECOMMENDATIONS PRIOR TO ROUGHING IN CONDUIT OR ORDERING CIRCUIT PROTECTION DEVICES. CONTRACTOR SHALL ADJUST CONDUIT SIZE, WIRE SIZE AND CIRCUIT PROTECTION SIZE ACCORDINGLY. IF REQUIREMENTS ARE LARGER THAN CALLED FOR ON ELECTRICAL PLANS NOTIFY ARCHITECT IMMEDIATELY.
 5. SEE POOL GROUNDING AND BONDING NOTES ON SHEET E0.02.



POOL BUILDING LIGHTING PLAN
SCALE: 1/8" = 1'-0"

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POOLHOUSE ELECTRICAL PLANS
E4.01

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1101 B. F. TUTTLE DRIVE, SUITE 100, BIRMINGHAM, AL 35244



GMC # ABHM230021

PANELBOARD SCHEDULE - RP-A1 (SECT. 1)
PANEL TYPE: SQUARE D TYPE NQ
VOLTAGE: 120/208V-3P-4W
AMP & TYPE: 300G MAIN BKR
FED FROM: MSB
AC RATING: 10KAIC (MINIMUM)
MOUNTING: SURFACE
LOCATION: SEE PLANS
FEEDER: 4-350MCM & 1#2G-3"C

PANELBOARD SCHEDULE - RP-B2 (SECT. 1)
PANEL TYPE: SQUARE D TYPE NQ
VOLTAGE: 120/208V-3P-4W
AMP & TYPE: 300G MAIN BKR
FED FROM: LP-B2
AC RATING: 10KAIC (MINIMUM)
MOUNTING: SURFACE
LOCATION: SEE PLANS
FEEDER: 4-350MCM & 1#2G-3"C

PANELBOARD SCHEDULE - LP-C2
PANEL TYPE: SQUARE D TYPE NF
VOLTAGE: 277/480V-3P-4W
AMP & TYPE: 225 AMP - MLO
FED FROM: MSB
AC RATING: 25KAIC (MINIMUM)
MOUNTING: SURFACE
LOCATION: SEE PLANS
FEEDER: SEE PANELBOARD SCHEDULE - MSB

PANELBOARD SCHEDULE - RP-C2
PANEL TYPE: SQUARE D TYPE NQ
VOLTAGE: 120/208V-3P-4W
AMP & TYPE: 150G MAIN BKR
FED FROM: LP-C2
AC RATING: 10KAIC (MINIMUM)
MOUNTING: SURFACE
LOCATION: SEE PLANS
FEEDER: 4#10 & 1#6G-2"C

PANELBOARD SCHEDULE - RP-D1
PANEL TYPE: SQUARE D TYPE NQ
VOLTAGE: 120/208V-3P-4W
AMP & TYPE: 100 AMP - MLO
FED FROM: RP-A1
AC RATING: 10KAIC (MINIMUM)
MOUNTING: SURFACE
LOCATION: SEE PLANS
FEEDER: SEE PANELBOARD SCHEDULE - RP-A1 (SECT. 1)

PANELBOARD SCHEDULE - MSB
PANEL TYPE: SQUARE D I LINE SERIES
VOLTAGE: 277/480V-3P-4W
AMP & TYPE: 1000G MAIN BKR
FED FROM: UTILITY
AC RATING: 50KAIC (MINIMUM)
MOUNTING: SURFACE
LOCATION: SEE PLANS
FEEDER: 3 SETS OF 4-400MCM - 3 1/2"C

PANELBOARD SCHEDULE - LP-A1
PANEL TYPE: SQUARE D TYPE NF
VOLTAGE: 277/480V-3P-4W
AMP & TYPE: 100 AMP - MLO
FED FROM: MSB
AC RATING: 35KAIC (MINIMUM)
MOUNTING: SURFACE
LOCATION: SEE PLANS
FEEDER: SEE PANELBOARD SCHEDULE - MSB

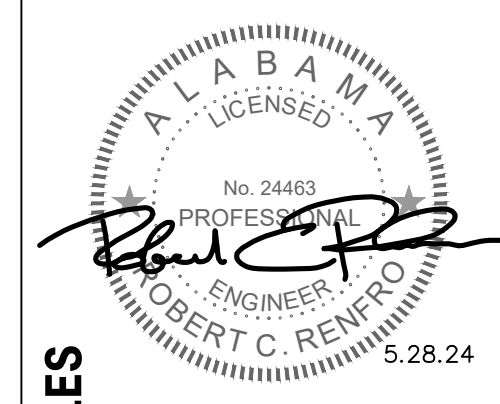
PANELBOARD SCHEDULE - LP-B2
PANEL TYPE: SQUARE D TYPE NF
VOLTAGE: 277/480V-3P-4W
AMP & TYPE: 225 AMP - MLO
FED FROM: MSB
AC RATING: 35KAIC (MINIMUM)
MOUNTING: SURFACE
LOCATION: SEE PLANS
FEEDER: SEE PANELBOARD SCHEDULE - MSB



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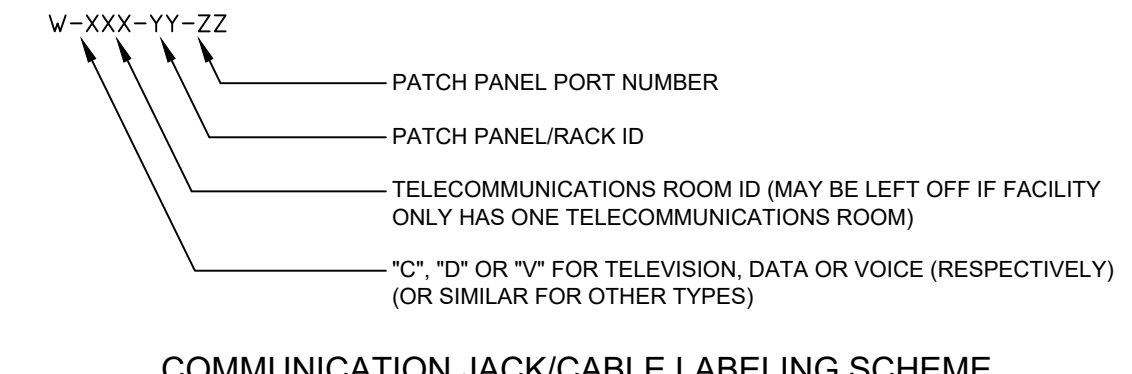
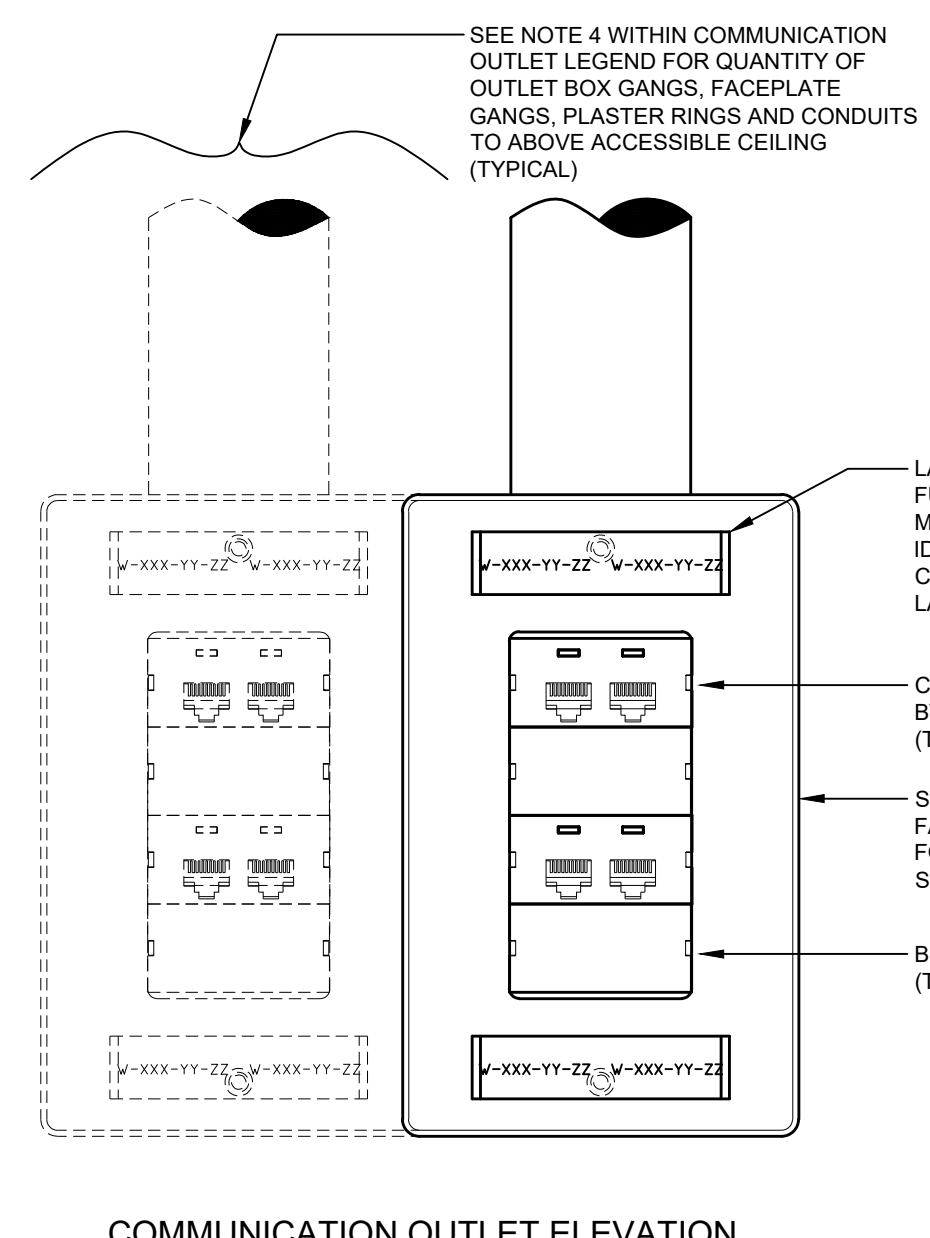
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GMC # ABHM230021



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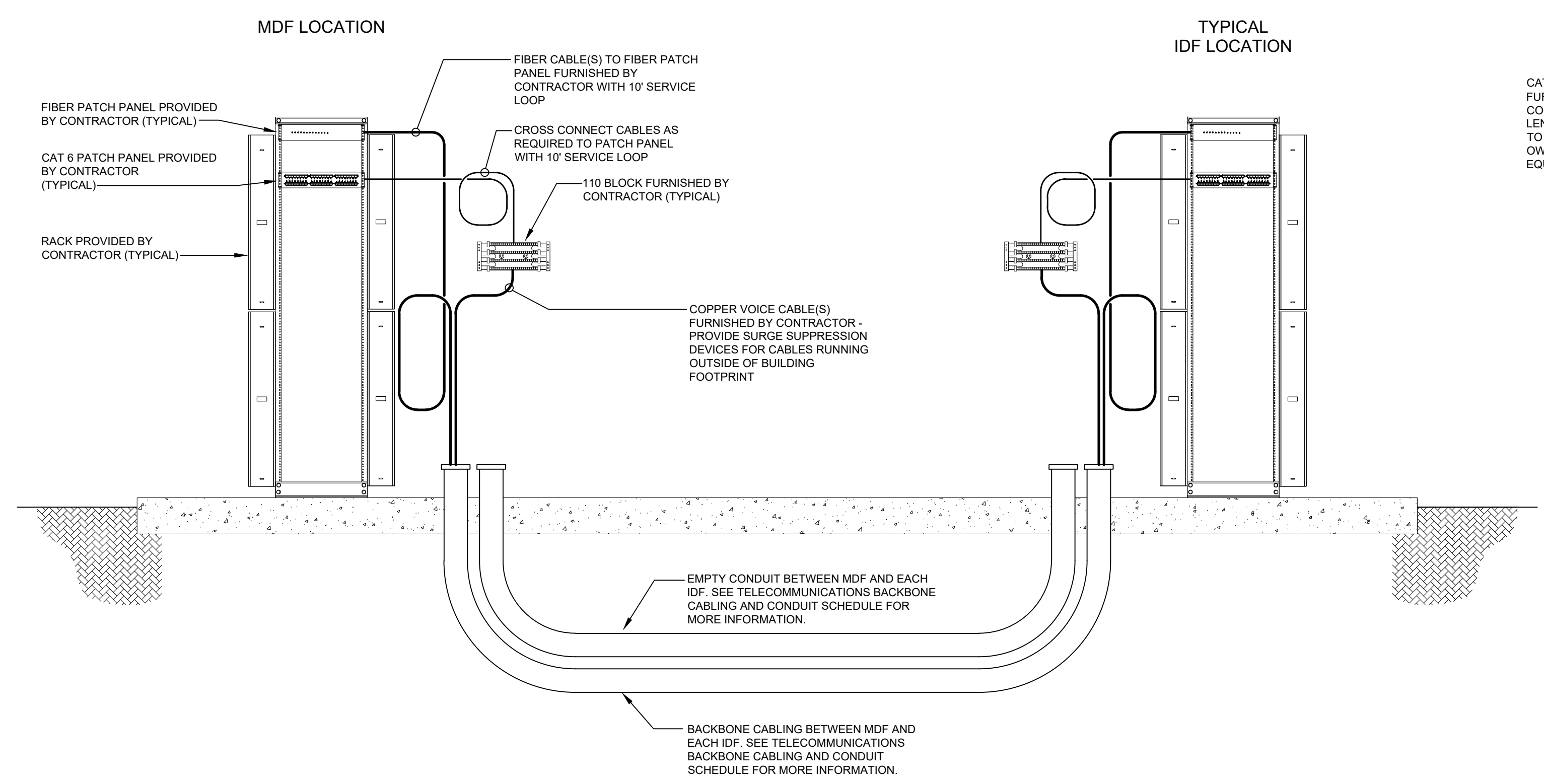
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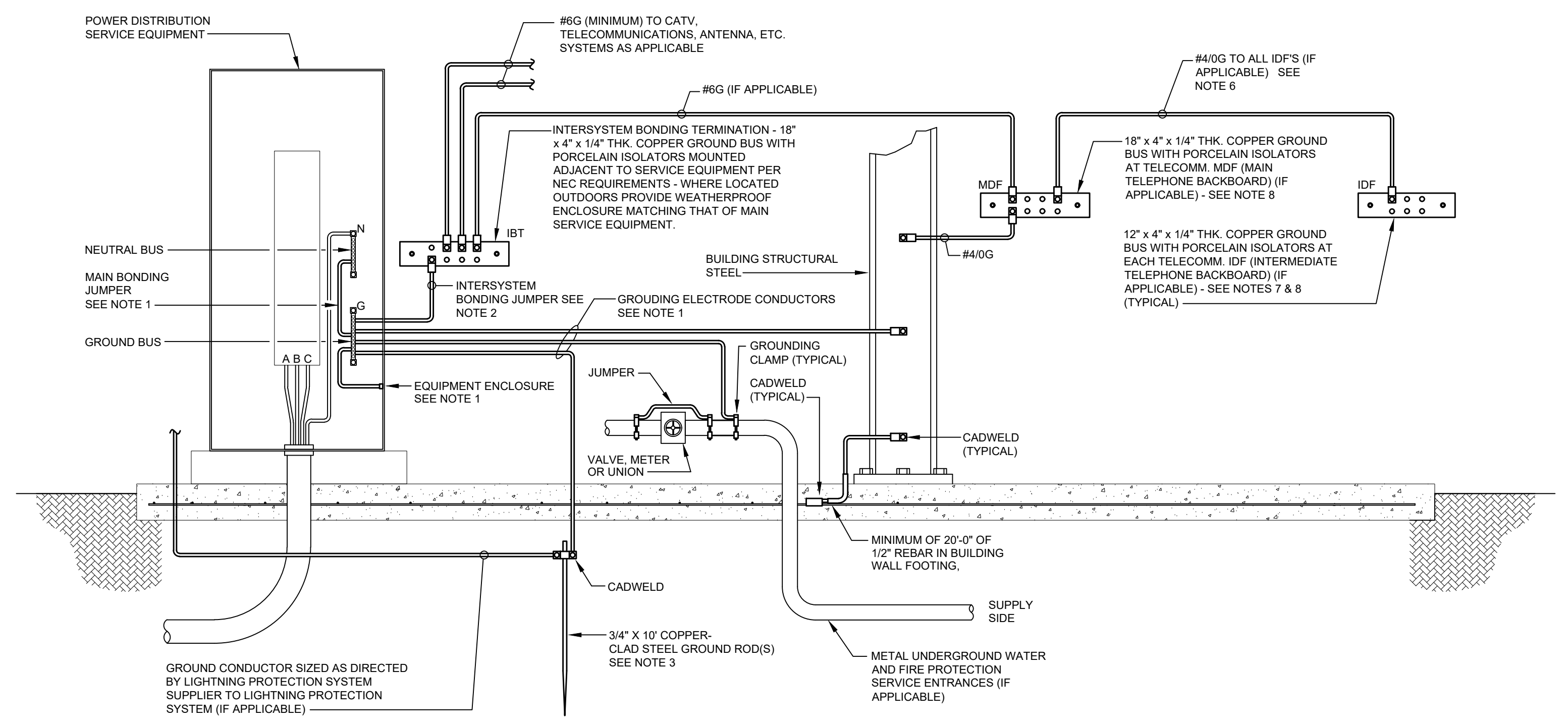
DETAIL "E-CO"
COMMUNICATION OUTLET
SCALE: NONE

COMMUNICATION OUTLET LEGEND				
JACK ID(S) SHOWN ON PLANS	JACK TYPE(S)	ASSOCIATED HOMERUN CABLING FROM JACK (SEE NOTE 9 BELOW)	HOMERUN CABLING TO (UNLESS SHOWN OTHERWISE ON PLANS)	REMARKS
*C	*C CONNECTOR TELEVISION JACK(S)	RG-6/U COAXIAL CABLE(S)	NEAREST CATV SYSTEM DIRECTIONAL COUPLER OR FRONT-END EQUIPMENT AS DIR. BY SUPPLIER	
*D	RJ45 DATA JACK(S)	CAT6 DATA CABLE(S)	NEAREST DATA PATCH PANEL	
*H	IF CABLE LENGTH < 35': PASSIVE HDMI JACK(S) IF CABLE LENGTH > 35': ACTIVE HDMI JACK(S) - RAPID RUN OPTICAL TRANSMITTER PLATE OR EQUAL	SEE *HD BELOW FOR CABLE REQUIREMENTS.	ASSOCIATED LOW VOLTAGE "HD" OUTLET AT DISPLAY LOCATION (TV PROJECTOR ETC.)	SEE NOTE 8 BELOW
*HD	IF CABLE LENGTH < 35': PASSIVE HDMI JACK(S) IF CABLE LENGTH > 35': ACTIVE HDMI JACK(S) - RAPID RUN OPTICAL RECEIVER OR EQUAL - PROVIDE CONCEALED L.V. POWER FROM ADJACENT 120V RECEPTACLE	4K HDMI CABLE RAPID RUN OPTICAL PLENUM RUNNER OR EQUAL	ASSOCIATED LOW VOLTAGE "H" OUTLET AT SOURCE LOCATION (WALL/FLOOR/TABLE)	SEE NOTES 8 & 9 BELOW
*V	RJ45 VOICE JACK(S)	CAT6 VOICE CABLE(S)	NEAREST TELEPHONE PATCH PANEL/BACKBOARD	
1*VV	ONE (1) RJ45 VOICE JACK - FOR WALL MOUNT PHONE	ONE (1) CAT6 VOICE CABLE	NEAREST TELEPHONE PATCH PANEL/BACKBOARD	SEE NOTE 6 BELOW

- NOTES:
- THE ASTERISK "*" WITHIN THE JACK ID SECTION ABOVE REPRESENT THE QUANTITIES OF EACH JACK/CABLE TYPE. FOR EXAMPLE, "30" REPRESENTS THREE (3) DATA JACKS/CABLES.
 - THE JACK IDENTIFIERS SHOWN ABOVE MAY BE COMBINED TOGETHER ON PLANS. FOR EXAMPLE, THE IDENTIFIER "1*V2D1C" REPRESENTS ONE (1) VOICE JACK/CABLE, TWO (2) DATA JACKS/CABLES AND ONE (1) COAXIAL TV JACK/CABLE. OUTLETS MAY CONSIST OF ANY COMBINATION OF THE ABOVE JACK TYPES.
 - ALL LOW VOLTAGE CABLING SHALL BE PLENUM-RATED.
 - THE QUANTITY OF OUTLET BOX GANGS AND CONDUITS FOR EACH COMMUNICATION OUTLET ASSEMBLY SHALL BE AS FOLLOWS:
1-2 JACKS: 1-GANG OUTLET BOX WITH 1-GANG FACEPLATE AND ONE (1) CONDUIT TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS).
3-4 JACKS: 2-GANG OUTLET BOX WITH 1-GANG PLASTER RING, 1-GANG FACEPLATE AND ONE (1) CONDUIT TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS).
5-8 JACKS: 2-GANG OUTLET BOX WITH 2-GANG FACEPLATE AND TWO (2) CONDUITS TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS).
9-12 JACKS: 3-GANG OUTLET BOX WITH 3-GANG FACEPLATE AND THREE (3) CONDUITS TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS).
 - PROVIDE A NYLON BUSHING ON EACH END OF EACH CONDUIT (SPECIFIED WITHIN NOTE 4 ABOVE) TO PROTECT CABLES.
 - TYPE "1*VV" OUTLETS SHALL BE FURNISHED WITH STAINLESS STEEL WALL-MOUNT TELEPHONE PLATES WITH MOUNTING STUDS AND RECESSED JACKS AND SHALL BE MOUNTED AT 54" A.F.F. UNLESS NOTED OTHERWISE.
 - COMMUNICATION OUTLET SHALL BE LOCATED A MAXIMUM OF 8 INCHES FROM THE ADJACENT POWER OUTLET.
 - ALL AV CABLING TYPES SHALL BE CONFIRMED WITH OWNER PRIOR TO ORDERING MATERIALS.
 - COORDINATE LOCATION OF ALL OUTLETS AT PROJECTOR WITHIN PROJECTOR BASE WHERE POSSIBLE.

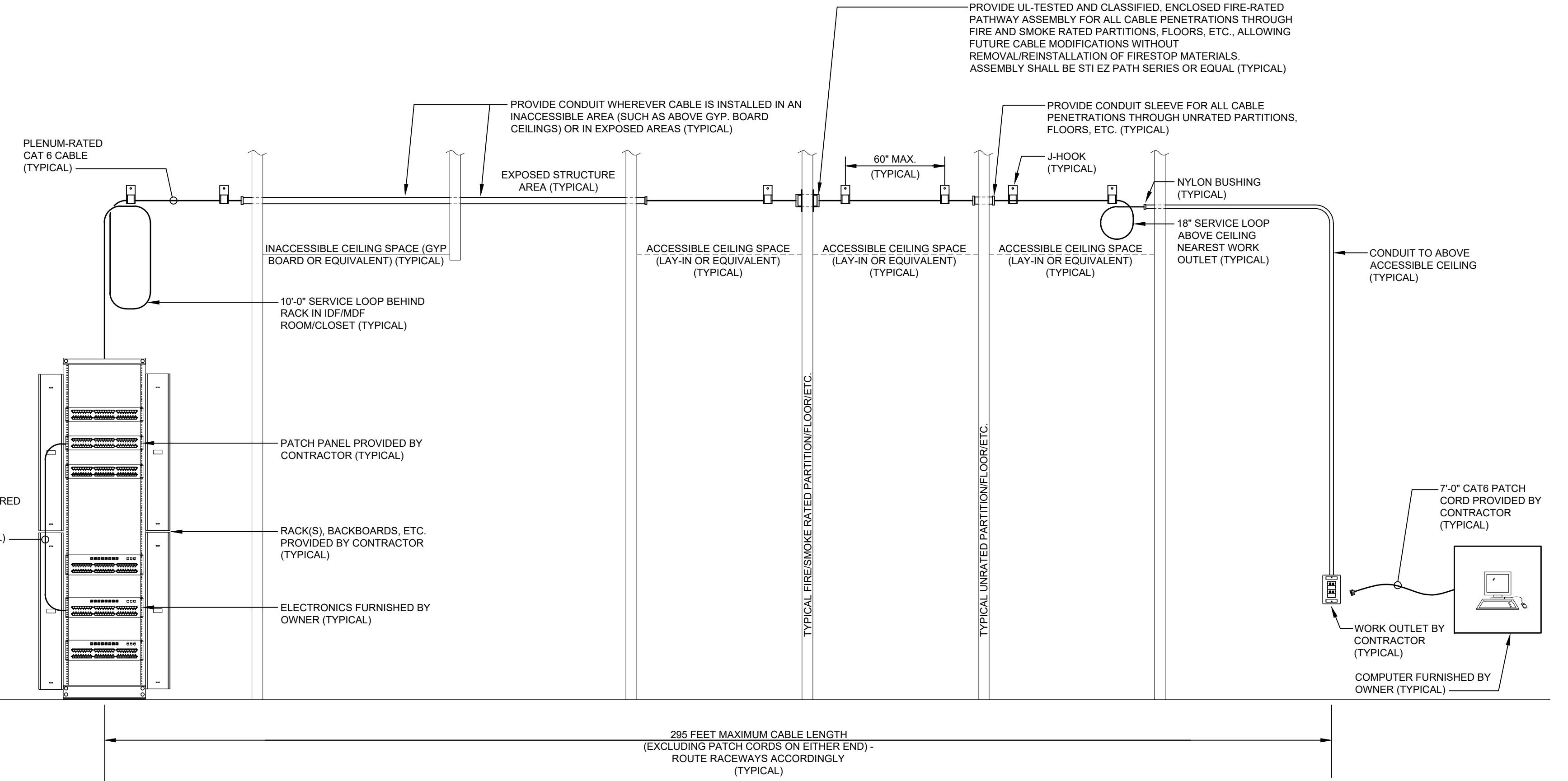


DETAIL "E-SCB"
STRUCTURED CABLING BACKBONE
TYPICAL WIRING DIAGRAM
SCALE: NONE



DETAIL "E-MSG"
MAIN SERVICE GROUNDING
SCALE: NONE

- DETAIL NOTES**
- ALL GROUNDING ELECTRODE CONDUCTORS AND MAIN BONDING JUMPERS SHALL BE INSULATED COPPER, SIZED IN ACCORDANCE WITH NEC TABLE 250.66 UNLESS NOTED OTHERWISE.
 - THE INTERSYSTEM BONDING JUMPER SHALL BE INSULATED COPPER, SIZED TO MATCH THE GROUNDING ELECTRODE CONDUCTOR OR REBAR, WHICHEVER IS GREATER.
 - ADDITIONAL GROUND RODS SHALL BE INSTALLED A MINIMUM OF SIX (6) FEET APART AND CONNECTED BY GROUNDING ELECTRODE CONDUCTORS UNTIL THE GROUND RESISTANCE DOES NOT EXCEED FIVE (5) OHMS.
 - ALL GROUNDING CONDUCTORS SHALL BE INSTALLED IN CONDUIT (TYPE PER SPECIFICATION REQUIREMENTS) UNLESS SPECIFICALLY NOTED OTHERWISE. METAL CONDUITS SHALL BE GROUNDED PER NEC REQUIREMENTS.
 - REFER TO "GROUNDING" SPECIFICATIONS SECTION FOR ADDITIONAL GROUNDING REQUIREMENTS.
 - THE CONTRACTOR MAY "DAISY-CHAIN" IDFS TOGETHER WITH A #40G. THIS DETAIL IS NOT INTENDED TO REQUIRE A #40G FROM EACH IDF TO THE MDF. THE INTENT OF THIS DETAIL IS TO BOND TOGETHER THE SUPPLEMENTAL GROUND BUS IN THE MDF, ALL IDFS, AND THE MAIN SERVICE GROUND WITH A #40G.
 - WHERE AN IDF IS LOCATED IN A SEPARATE BUILDING FROM THE MDF, THE IDF SHALL ALSO BE BONDED TO THE SERVICE GROUND FOR THE SEPARATE BUILDING CONTAINING THE IDF. THIS REQUIREMENT IS IN ADDITION TO THE BOND TO THE MDF.
 - THE EQUIPMENT WITHIN EACH MDF AND IDF SHALL BE BONDED TO THE SUPPLEMENTAL GROUND BUS IN ACCORDANCE WITH THE STRUCTURED CABLING SPECIFICATIONS, EQUIPMENT SUPPLIER'S DIRECTION AND CODE REQUIREMENTS.



DETAIL "E-SCH"
STRUCTURED CABLING HORIZONTAL
TYPICAL WIRING DIAGRAM
SCALE: NONE

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ELECTRICAL DETAILS

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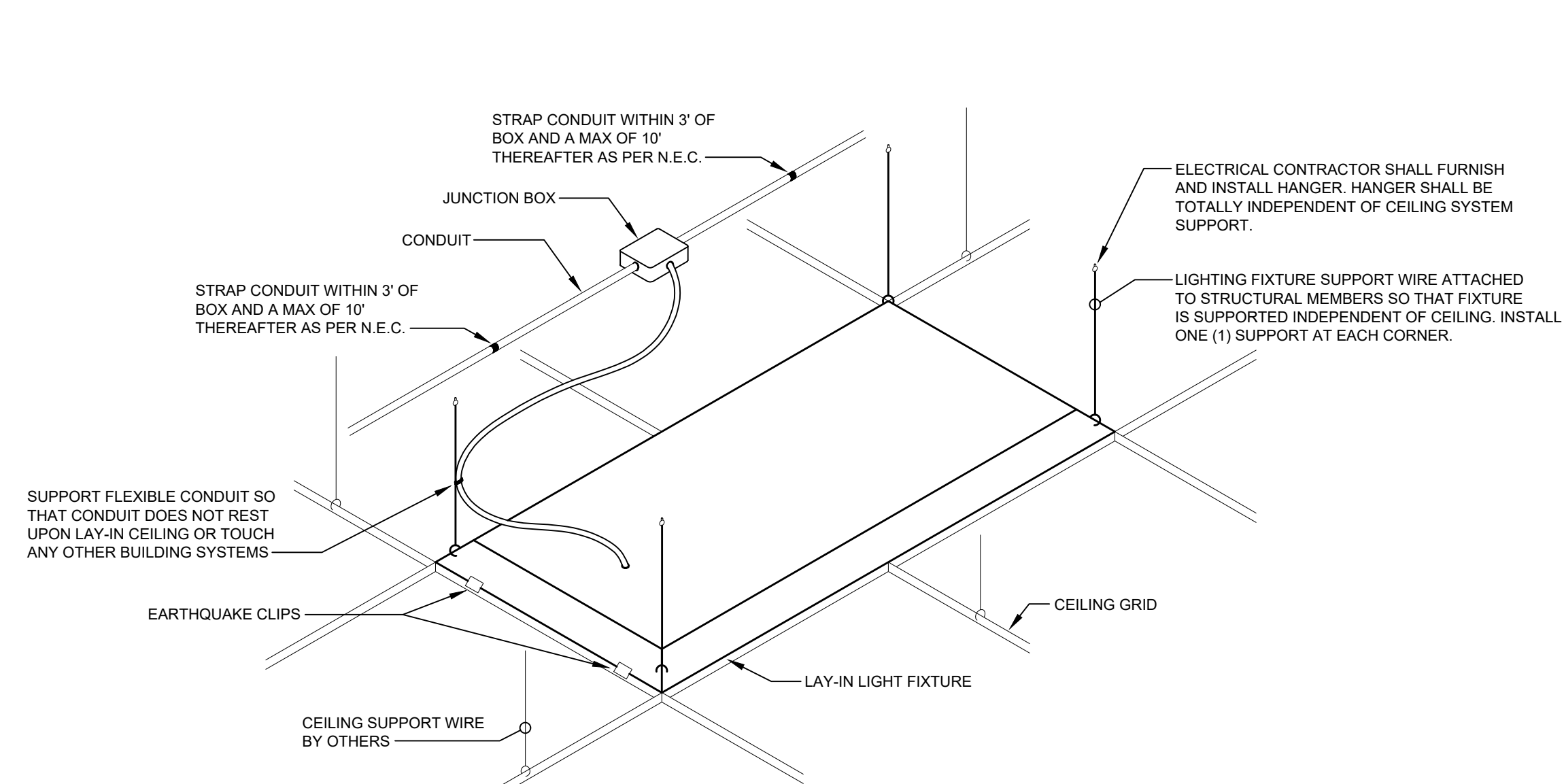
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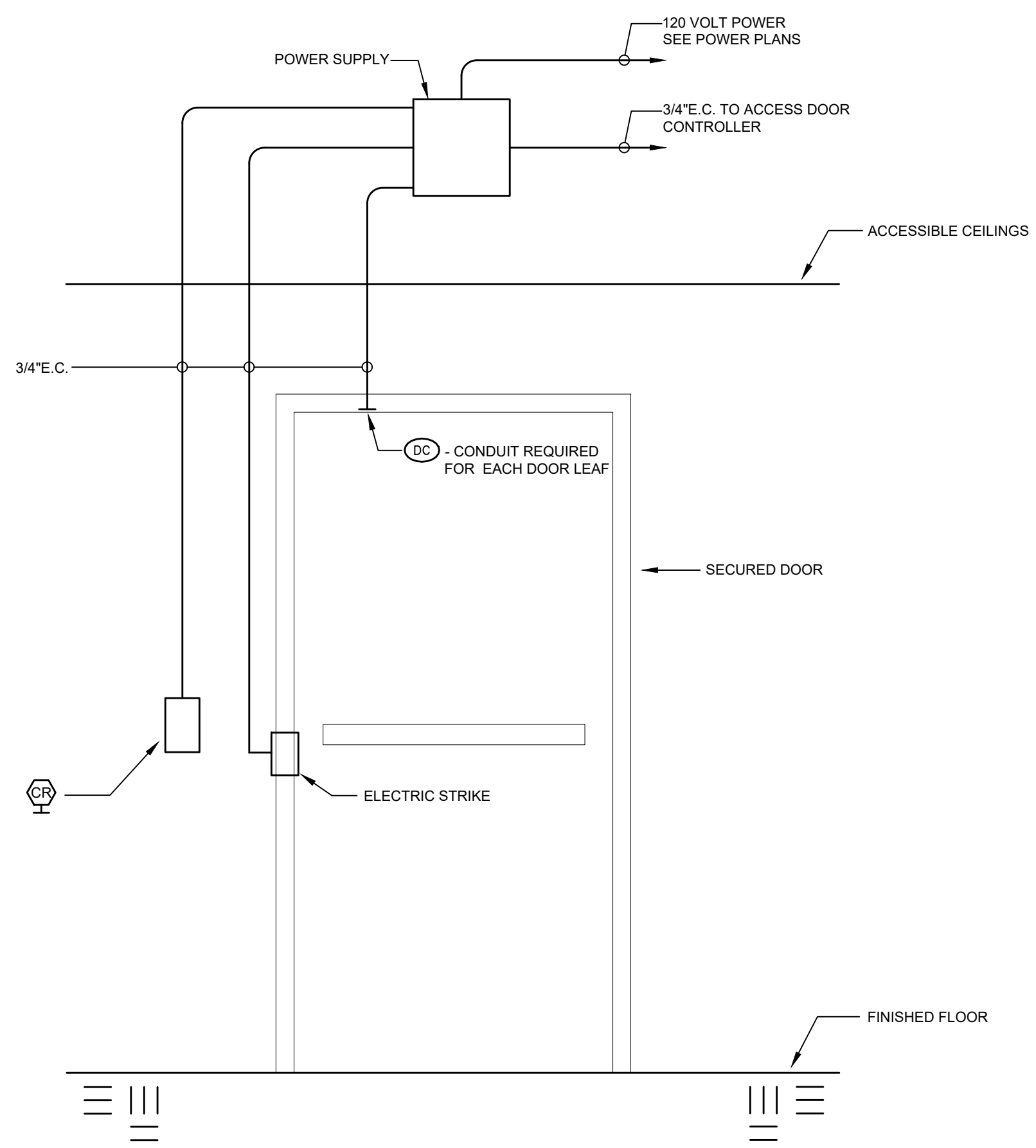
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Professional Engineer
No. 24485
ROBERT C. RENFRO
2.28.24



DETAIL "E-FS"
LAY-IN FIXTURE SUPPORT
SCALE : NONE



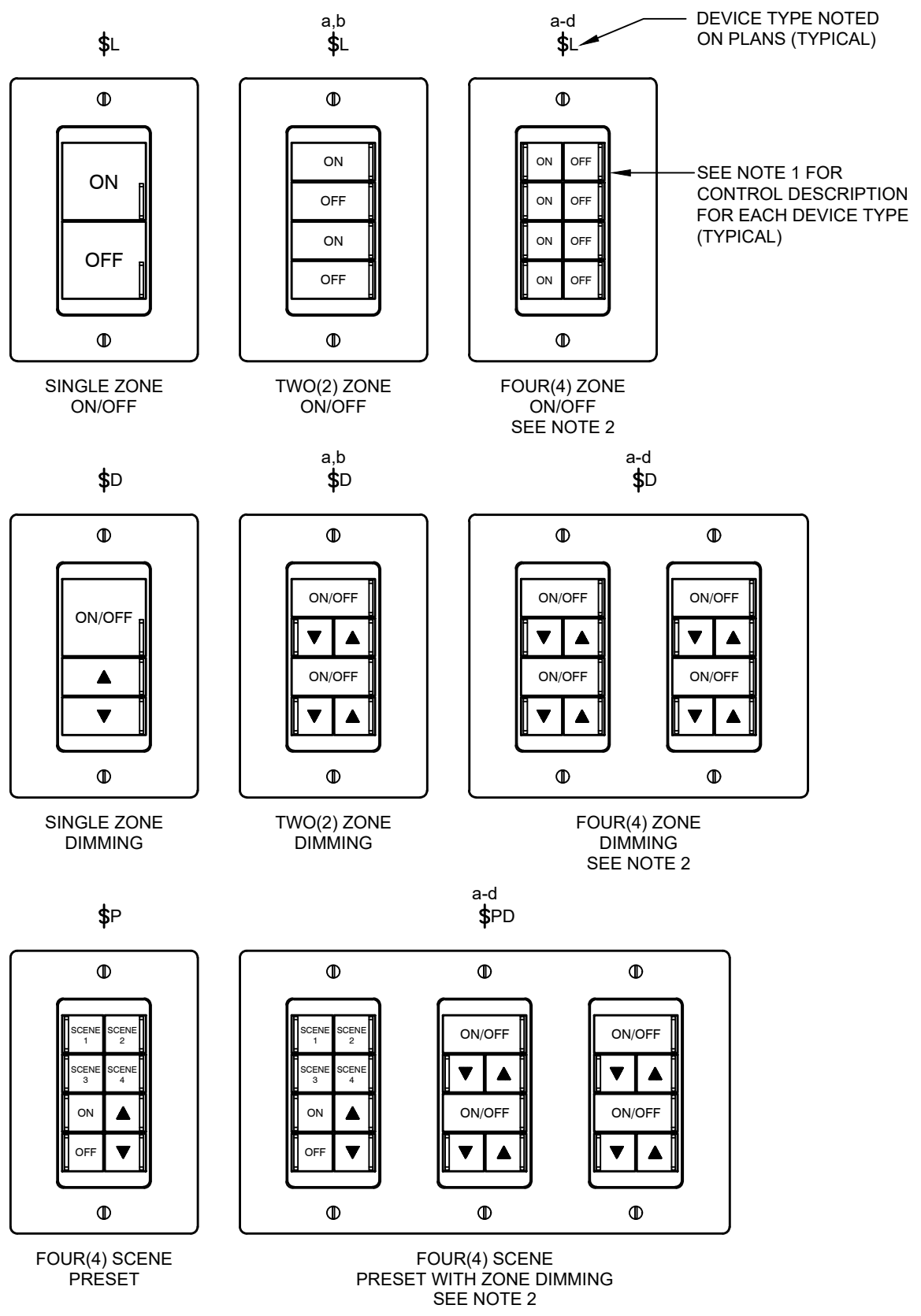
DETAIL "E-CR"
CARD READER DIAGRAM
SCALE : NONE

DETAIL NOTES	
1.	VERIFY ALL DOOR REQUIREMENTS WITH HARDWARE SUPPLIER PRIOR TO ROUGH-IN.

NAME:	RP-A
RATING:	120/208V-30-4W
FED FROM:	PP-A CIR. 4 (IN MAIN ELEC. ROOM)

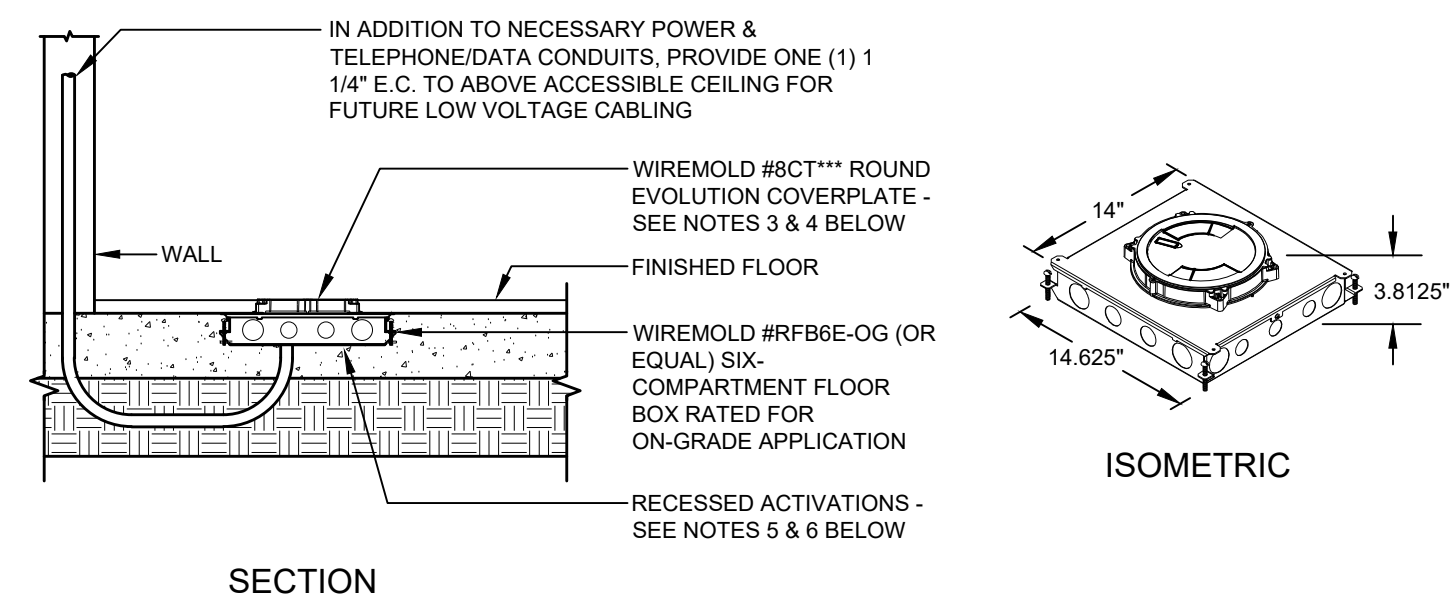
DETAIL "E-EDL" ELECTRICAL DISTRIBUTION EQUIPMENT LABEL
SCALE : NONE

DETAIL NOTES	
1.	PANEL NAMES & RATINGS LISTED ABOVE ARE FOR EXAMPLE PURPOSES ONLY. NAMES & RATINGS SHALL BE ADJUSTED TO MATCH ASSOCIATED EQUIPMENT.
2.	THE INTENT OF THIS DETAIL IS TO DEMONSTRATE GENERAL ELECTRICAL IDENTIFICATION REQUIREMENTS FOR ELECTRICAL DISTRIBUTION AND UTILIZATION EQUIPMENT. REFER TO SPECIFICATIONS FOR SPECIFIC REQUIREMENTS REGARDING LOCATIONS, CONTENT, MATERIALS, ETC.



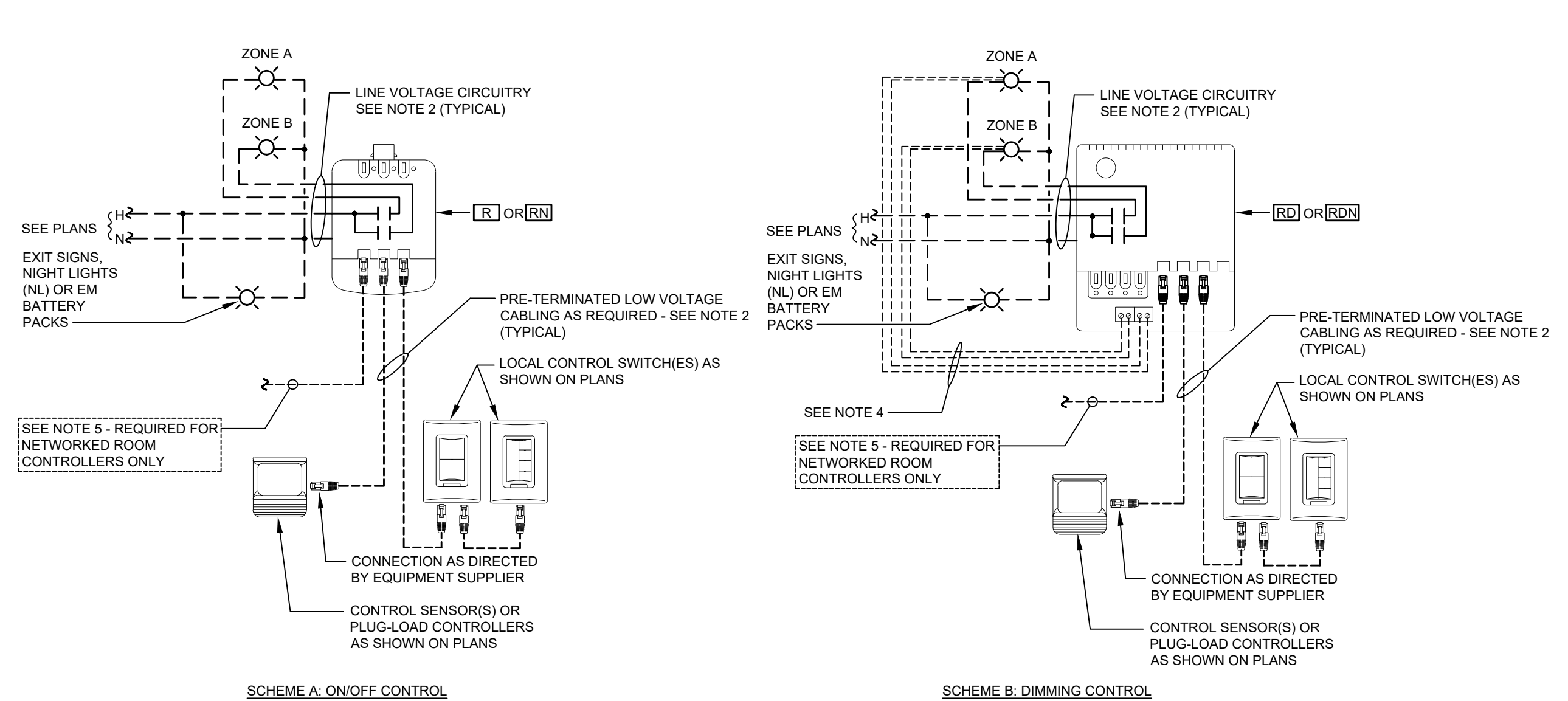
DETAIL "E-LCS"
TYPICAL DIGITAL LIGHTING CONTROL STATION LAYOUT
SCALE : NONE

DIAGRAM NOTES	
1.	ON/OFF CONTROLS SHALL INCLUDE ON/OFF CONTROL FOR EACH ZONE. DIMMING CONTROLS SHALL INCLUDE ON/OFF AND RAISE/LOWER CONTROLS FOR EACH ZONE. PRESET STATIONS SHALL INCLUDE FOUR(4) SELECTABLE SCENES, MASTER ON/OFF AND MASTER RAISE/LOWER CONTROLS.
2.	WHERE MORE THAN FOUR(4) ZONES ARE REQUIRED ON PLANS, FURNISH ADDITIONAL CONTROL STATIONS AS REQUIRED FOR INDEPENDENT CONTROL OF EACH ZONE. ADDITIONAL CONTROL STATIONS SHALL BE GANGED TOGETHER UNDER A SINGLE COVERPLATE. CONTRACTOR SHALL INSTALL OUTLET BOX LARGE ENOUGH TO ACCOMMODATE REQUIRED NUMBER OF CONTROL STATIONS.
3.	UNLESS SELECTED OTHERWISE BY THE ARCHITECT DURING THE SUBMITTAL PROCESS, ALL COVERPLATES SHALL MATCH OTHER DEVICE PLATES (TYPICALLY STAINLESS STEEL), AND ALL DEVICES SHALL MATCH OTHER DEVICES (TYPICALLY GRAY). REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING FINISHES.
4.	REFER TO DETAIL "E-RC" FOR CABLING AND CONNECTION REQUIREMENTS FOR EACH CONTROL STATION.
5.	ALL BUTTONS SHALL BE PERMANENTLY ENGRAVED AS SHOWN ON THIS DETAIL. GENERIC BUTTONS WITHOUT DESIGNATIONS NOTED ABOVE ARE NOT ALLOWED. SUBMIT LAYOUT FOR EACH PROPOSED CONTROL STATION FOR REVIEW DURING SUBMITTAL PROCESS. SUBMITTALS WITHOUT THIS INFORMATION WILL BE REJECTED WITHOUT REVIEW.



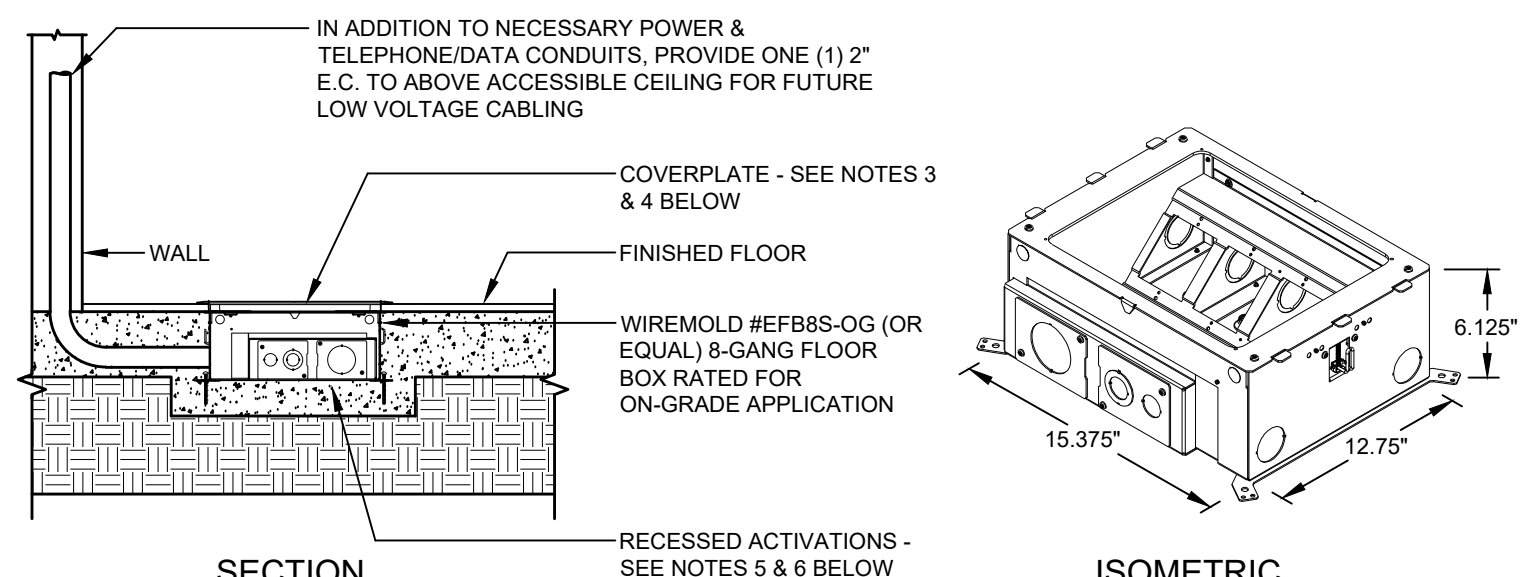
DETAIL "E-FB1"
MULTI-SERVICE FLOOR BOX (MEDIUM SIZE)
SCALE : NONE

DETAIL NOTES	
1.	THE EXACT LOCATIONS AND ORIENTATIONS OF ALL FLOOR BOXES SHALL BE VERIFIED BY THE CONTRACTOR WITH THE ARCHITECT PRIOR TO ROUGH-IN.
2.	CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING PENETRATIONS THROUGH SLABS AND OPENINGS/CONDUITS WITHIN SLABS WITH THE INSTALLER OF THE SLABS PRIOR TO ROUGH-IN.
3.	ALL COVERPLATE MATERIALS/FINISHES SHALL BE AS SELECTED BY THE ARCHITECT. CONTRACTOR SHALL PROVIDE CARPET/TILE CUTOUT INSERTS IN COVERPLATE LID TO MATCH ADJACENT CARPET/TILE WHERE LID HAS AN INSERT AREA.
4.	ALL COVER FLANGE OPTIONS SHALL GENERALLY BE AS FOLLOWS, BUT SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW/APPROVAL PRIOR TO ORDERING FLOOR BOXES: a. CARPET AND VCT FLOORING: FLANGED TRIM b. EXPOSED CONCRETE, WOOD, TILE OR SIMILAR FLOORING (WITH GROUTING): FLANGELESS TRIM.
5.	EACH FLOOR BOX SHALL BE PROVIDED WITH TWO (2) 20A-125V-1P, GROUNDING NEMA 5-20R DUPLEX POWER RECEPTACLES CONNECTED TO THE CIRCUITS INDICATED ON THE PLANS, UNLESS NOTED OTHERWISE.
6.	EACH FLOOR BOX SHALL BE PROVIDED WITH COMMUNICATION JACKS AND ASSOCIATED LOW VOLTAGE CABLING AS INDICATED BY "1V2D" OR SIMILAR NOTATIONS ON PLANS. CONTRACTOR SHALL REFER TO THE COMMUNICATION OUTLET LEGEND AT DETAIL "E-CO" FOR A DESCRIPTION OF ALL ASSOCIATED JACK & CABLE TYPES.



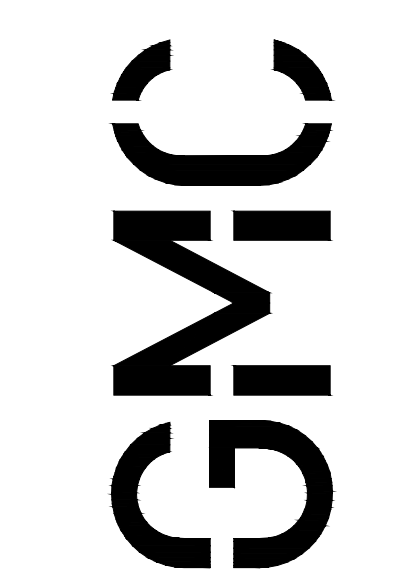
DETAIL "E-RC"
TYPICAL ROOM DIGITAL LIGHTING CONTROL WIRING DIAGRAM(S)
SCALE : NONE

DIAGRAM NOTES	
1.	DEVICES SHOWN ON THIS DIAGRAM ARE TYPICAL ONLY. EXACT SWITCHING, COMPONENTS, CONNECTIONS, DIMMING TYPE, ETC. WILL VARY. REFER TO PLANS FOR EXACT DEVICES REQUIRED IN EACH SPACE.
2.	ALL CIRCUITRY/CABLING SHALL BE CONCEALED. LOW VOLTAGE CABLING MAY BE INSTALLED WITHOUT CONDUIT WHERE ABOVE ACCESSIBLE CEILINGS (IF SUPPORTED EVERY 60\"/>



DETAIL "E-FB2"
MULTI-SERVICE FLOOR BOX (LARGE SIZE)
SCALE : NONE

DETAIL NOTES	
1.	THE EXACT LOCATIONS AND ORIENTATIONS OF ALL FLOOR BOXES SHALL BE VERIFIED BY THE CONTRACTOR WITH THE ARCHITECT PRIOR TO ROUGH-IN.
2.	CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING PENETRATIONS THROUGH SLABS AND OPENINGS/CONDUITS WITHIN SLABS WITH THE INSTALLER OF THE SLABS PRIOR TO ROUGH-IN.
3.	ALL COVERPLATE MATERIALS/FINISHES SHALL BE AS SELECTED BY THE ARCHITECT. CONTRACTOR SHALL PROVIDE CARPET/TILE CUTOUT INSERTS IN COVERPLATE LID TO MATCH ADJACENT CARPET/TILE WHERE LID HAS AN INSERT AREA.
4.	ALL COVER FLANGE OPTIONS SHALL GENERALLY BE AS FOLLOWS, BUT SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW/APPROVAL PRIOR TO ORDERING FLOOR BOXES: a. CARPET AND VCT FLOORING: FLANGED TRIM b. EXPOSED CONCRETE, WOOD, TILE OR SIMILAR FLOORING (WITH GROUTING): FLANGELESS TRIM.
5.	EACH FLOOR BOX SHALL BE PROVIDED WITH FOUR (4) 20A-125V-1P, GROUNDING NEMA 5-20R DUPLEX POWER RECEPTACLES CONNECTED TO THE CIRCUITS INDICATED ON THE PLANS, UNLESS NOTED OTHERWISE.
6.	EACH FLOOR BOX SHALL BE PROVIDED WITH COMMUNICATION JACKS AND ASSOCIATED LOW VOLTAGE CABLING AS INDICATED BY "1V2D" OR SIMILAR NOTATIONS ON PLANS. CONTRACTOR SHALL REFER TO THE COMMUNICATION OUTLET LEGEND AT DETAIL "E-CO" FOR A DESCRIPTION OF ALL ASSOCIATED JACK & CABLE TYPES.

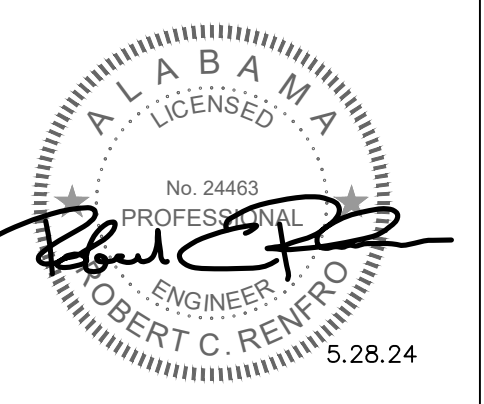


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ISSUE	DATE
IFB SET	05/28/2024

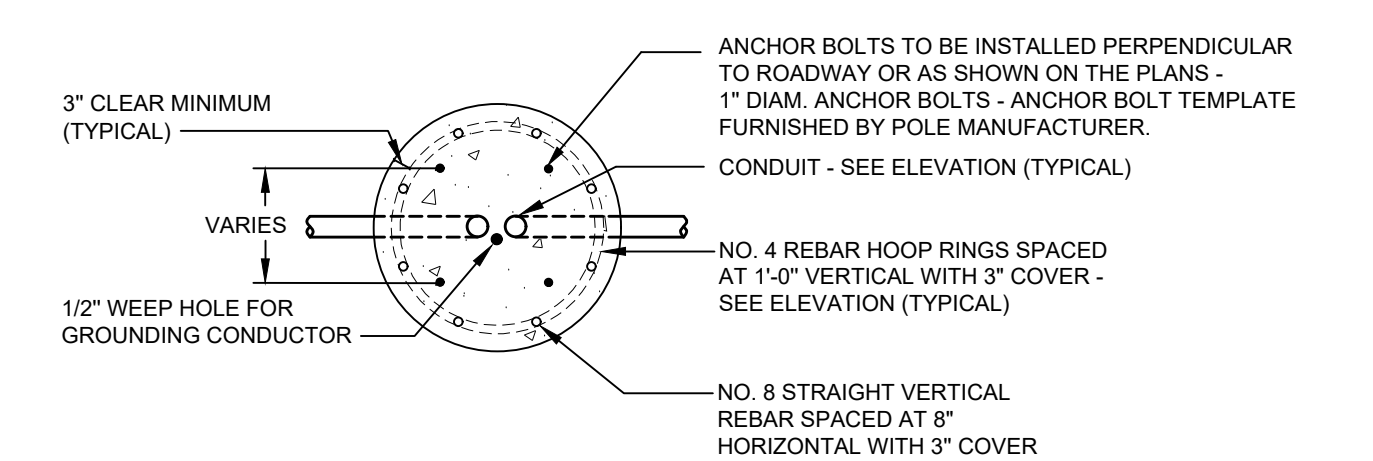
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RAINBOW CITY, ALABAMA

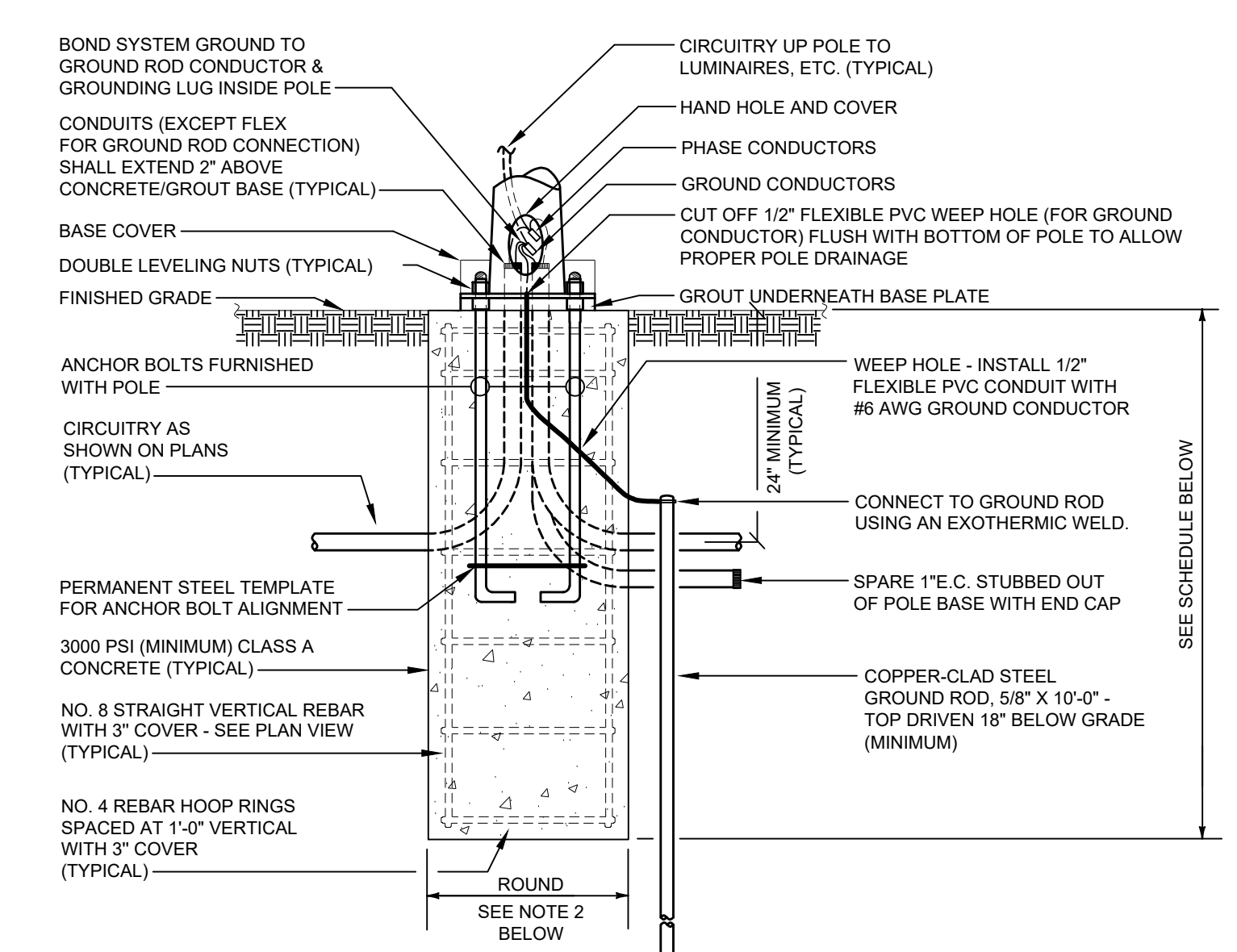


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E6.02



PLAN VIEW

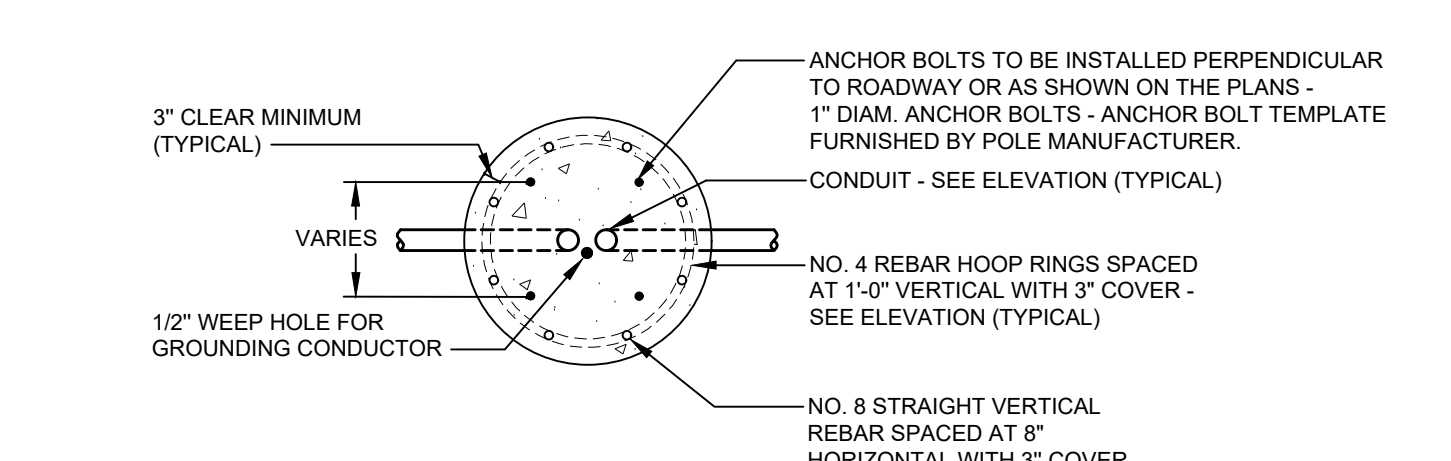


ELEVATION

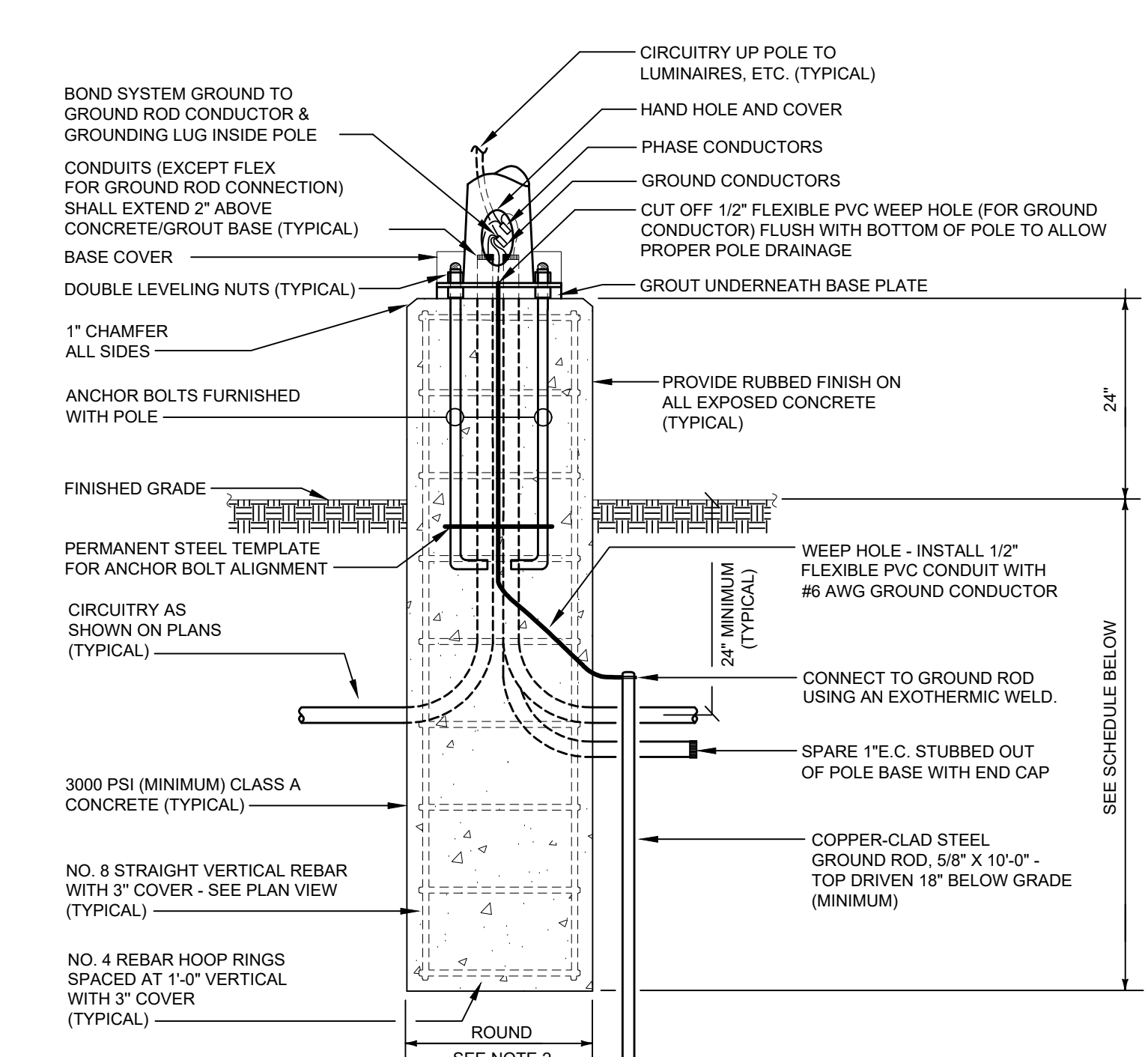
DETAIL "E-LP2"
FLUSH-WITH-GRADE LIGHT POLE BASE
SCALE: NONE

- DETAIL NOTES
- THIS CONTRACTOR SHALL CONFIRM SOIL CONDITIONS PRIOR TO BID OR INSTALLATION. IF SOIL CONDITIONS/TYPES ARE DIFFERENT THAN THE SPECIFIC TYPES INDICATED BELOW, OR THE POLE HEIGHTS ARE IN EXCESS OF THOSE LISTED BELOW, OR THE BASIC WIND SPEED FOR THE PROPOSED POLE LOCATION (PER ASCE 7 BASIC WIND SPEED MAPS) IS IN EXCESS OF 100MP, OR THE COMBINED E.P.A. OF ALL LUMINAIRES/ARMS/ACCESSORIES INSTALLED ON A POLE IS IN EXCESS OF 5.5 S.F., THE CONTRACTOR SHALL RETAIN A QUALIFIED STRUCTURAL ENGINEER (LICENSED IN THE STATE OF THE PROJECT) TO PROVIDE A PROJECT-SPECIFIC STRUCTURAL DESIGN FOR THE PROPOSED POLE BASE(S), AND SHALL INCLUDE ALL COSTS FOR THE DESIGN AND THE REQUIRED POLE BASE(S) IN THE BID.
 - MINIMUM POLE BASE DIAMETER SHALL BE THE GREATER OF THE FOLLOWING:
A. ANCHOR BOLT CIRCLE DIAMETER PLUS 8" (TO PROVIDE MINIMUM 4" COVER OVER ALL ANCHOR BOLTS).
B. 20" DIAMETER.
C. DIAMETER AS REQUIRED BY SOIL CONDITIONS OR BY POLE SUPPLIER.
 - CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES OR OBSTRUCTIONS TO AVOID CONFLICTS PRIOR TO INSTALLATION OF LIGHT POLE BASE(S).
 - POLE SHALL BE RATED TO WITHSTAND THE WIND SPEED SPECIFIED FOR THE SPECIFIC PROJECT SITE LOCATION PER LATEST VERSION OF ASCE 7 BASIC WIND SPEED MAPS OR APPLICABLE LOCAL BUILDING CODE REQUIREMENTS (WHICHEVER IS MORE STRINGENT), WITH 1.3 GUST FACTOR WITH ALL LUMINAIRES & ACCESSORIES INSTALLED.

POLE HEIGHT	MINIMUM BASE DEPTH (BELOW GRADE)			BASE DIAMETER
	(SEE NOTE 1 ABOVE)			
	CLAYEY SOILS (CL, ML, CH, MH)	SANDY SOILS (SW, SP, SM, SC, GM, GC)	GRAVELLY SOILS (GW, GP)	
0 - 15 FT.	5'-0"	4'-0"	4'-0"	SEE NOTE 2 ABOVE
16 - 20 FT.	6'-0"	5'-0"	4'-0"	SEE NOTE 2 ABOVE
21 - 25 FT.	7'-0"	5'-0"	5'-0"	SEE NOTE 2 ABOVE
26 - 30 FT.	8'-0"	6'-0"	6'-0"	SEE NOTE 2 ABOVE
31 - 35 FT.	8'-6"	7'-0"	6'-6"	SEE NOTE 2 ABOVE
36 - 40 FT.	9'-0"	7'-6"	7'-0"	SEE NOTE 2 ABOVE
41 - 45 FT.	10'-0"	8'-0"	7'-6"	SEE NOTE 2 ABOVE
46 - 50 FT.	10'-6"	8'-6"	8'-0"	SEE NOTE 2 ABOVE



PLAN VIEW

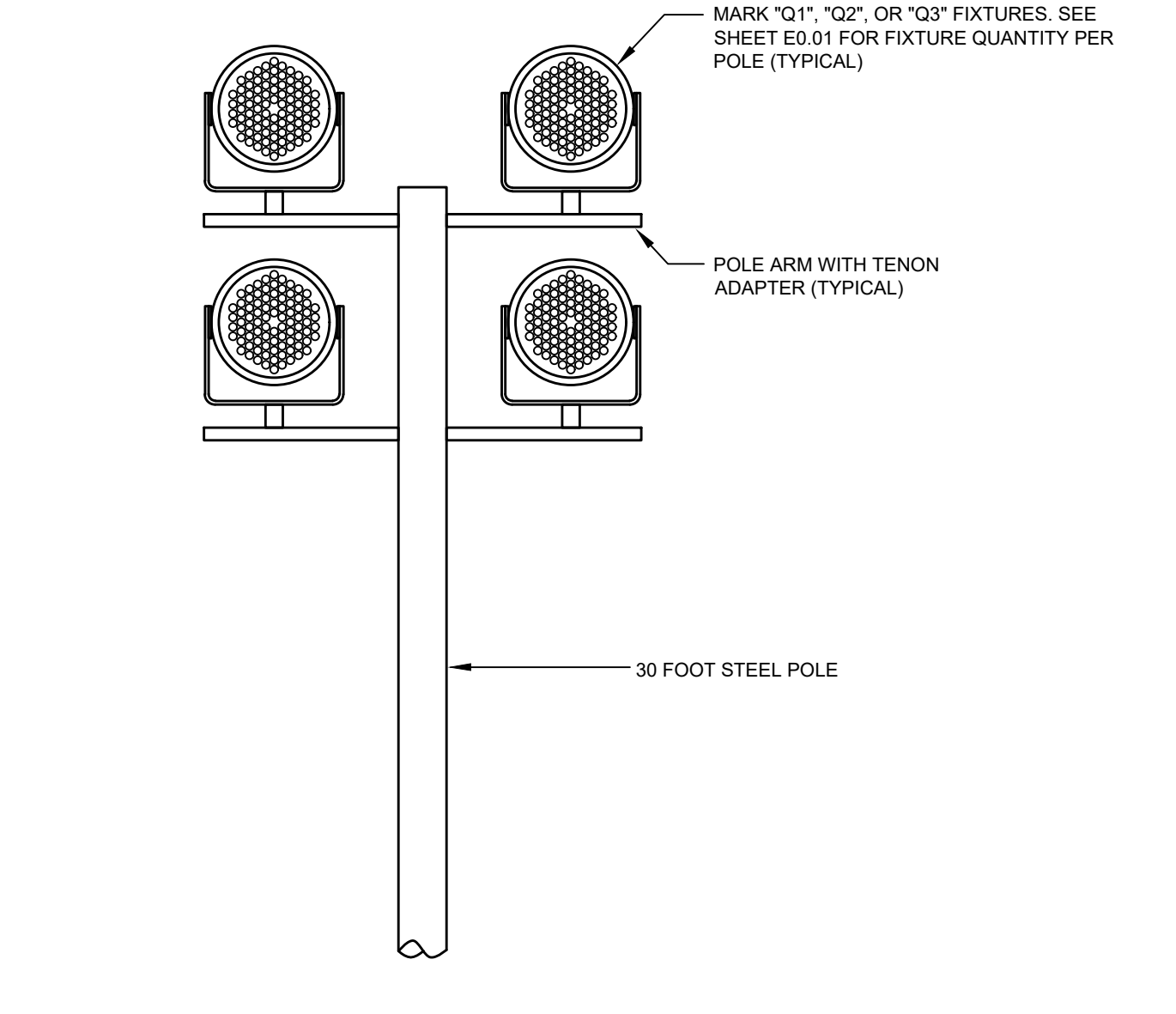


ELEVATION

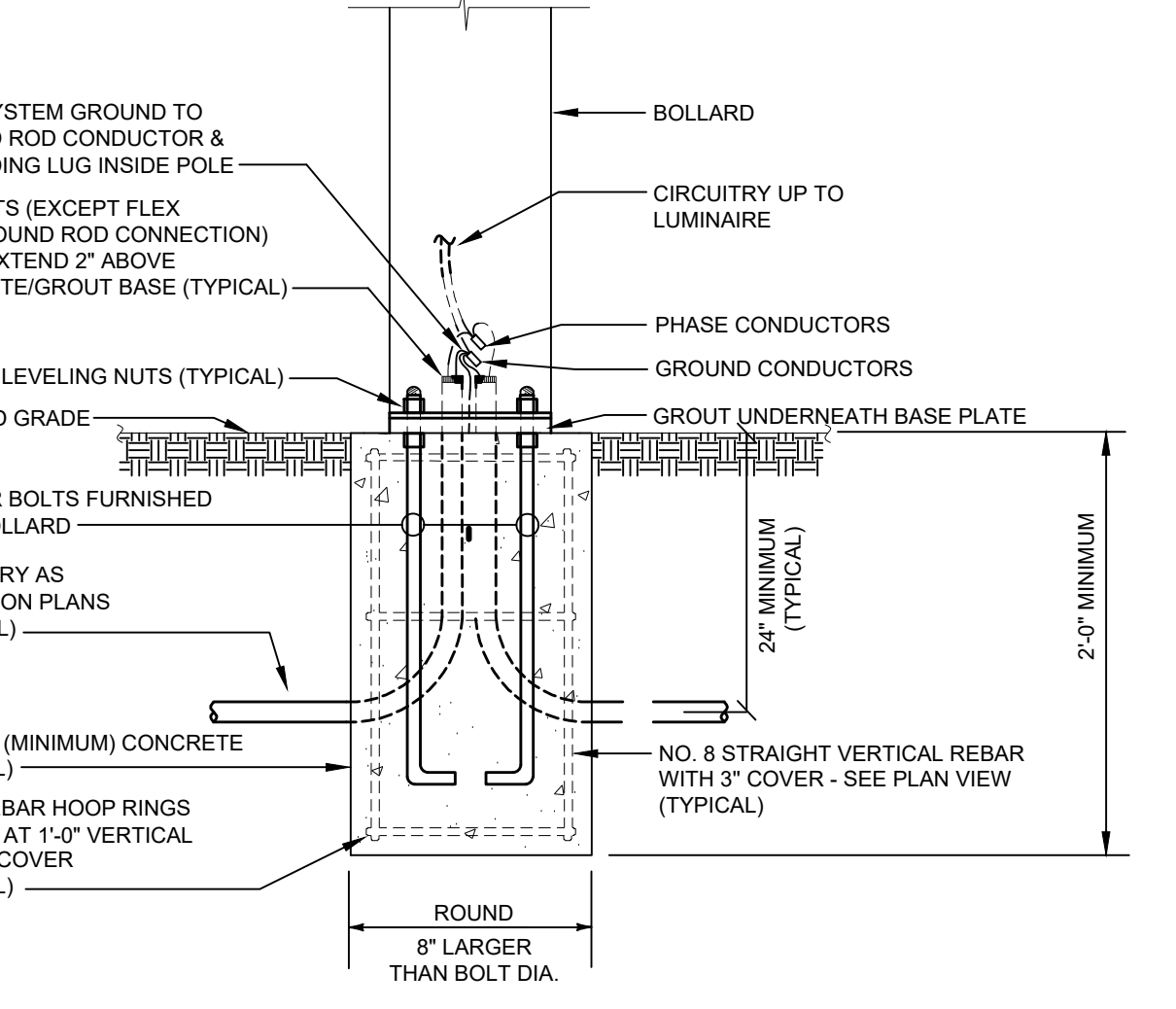
DETAIL "E-LP1"
EXPOSED LIGHT POLE BASE
SCALE: NONE

- DETAIL NOTES
- THIS CONTRACTOR SHALL CONFIRM SOIL CONDITIONS PRIOR TO BID OR INSTALLATION. IF SOIL CONDITIONS/TYPES ARE DIFFERENT THAN THE SPECIFIC TYPES INDICATED BELOW, OR THE POLE HEIGHTS ARE IN EXCESS OF THOSE LISTED BELOW, OR THE BASIC WIND SPEED FOR THE PROPOSED POLE LOCATION (PER ASCE 7 BASIC WIND SPEED MAPS) IS IN EXCESS OF 100MP, OR THE COMBINED E.P.A. OF ALL LUMINAIRES/ARMS/ACCESSORIES INSTALLED ON A POLE IS IN EXCESS OF 5.5 S.F., THE CONTRACTOR SHALL RETAIN A QUALIFIED STRUCTURAL ENGINEER (LICENSED IN THE STATE OF THE PROJECT) TO PROVIDE A PROJECT-SPECIFIC STRUCTURAL DESIGN FOR THE PROPOSED POLE BASE(S), AND SHALL INCLUDE ALL COSTS FOR THE DESIGN AND THE REQUIRED POLE BASE(S) IN THE BID.
 - MINIMUM POLE BASE DIAMETER SHALL BE THE GREATER OF THE FOLLOWING:
A. ANCHOR BOLT CIRCLE DIAMETER PLUS 8" (TO PROVIDE MINIMUM 4" COVER OVER ALL ANCHOR BOLTS).
B. 20" DIAMETER.
C. DIAMETER AS REQUIRED BY SOIL CONDITIONS OR BY POLE SUPPLIER.
 - CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES OR OBSTRUCTIONS TO AVOID CONFLICTS PRIOR TO INSTALLATION OF LIGHT POLE BASE(S).
 - POLE SHALL BE RATED TO WITHSTAND THE WIND SPEED SPECIFIED FOR THE SPECIFIC PROJECT SITE LOCATION PER LATEST VERSION OF ASCE 7 BASIC WIND SPEED MAPS OR APPLICABLE LOCAL BUILDING CODE REQUIREMENTS (WHICHEVER IS MORE STRINGENT), WITH 1.3 GUST FACTOR WITH ALL LUMINAIRES & ACCESSORIES INSTALLED.

POLE HEIGHT	MINIMUM BASE DEPTH (BELOW GRADE)			BASE DIAMETER
	(SEE NOTE 1 ABOVE)			
	CLAYEY SOILS (CL, ML, CH, MH)	SANDY SOILS (SW, SP, SM, SC, GM, GC)	GRAVELLY SOILS (GW, GP)	
0 - 15 FT.	6'-0"	5'-0"	4'-0"	SEE NOTE 2 ABOVE
16 - 20 FT.	7'-0"	5'-6"	5'-0"	SEE NOTE 2 ABOVE
21 - 25 FT.	8'-0"	6'-0"	5'-6"	SEE NOTE 2 ABOVE
26 - 30 FT.	9'-0"	7'-0"	6'-6"	SEE NOTE 2 ABOVE
31 - 35 FT.	9'-0"	7'-6"	7'-0"	SEE NOTE 2 ABOVE
36 - 40 FT.	10'-0"	8'-0"	7'-6"	SEE NOTE 2 ABOVE
41 - 45 FT.	10'-6"	8'-6"	8'-0"	SEE NOTE 2 ABOVE
46 - 50 FT.	11'-0"	9'-0"	8'-6"	SEE NOTE 2 ABOVE



DETAIL "E-PL"
MARK "Q1", "Q2", AND "Q3" FIXTURES
SCALE: NONE



DETAIL "E-BOL"
BOLLARD LIGHT POLE BASE
SCALE: NONE



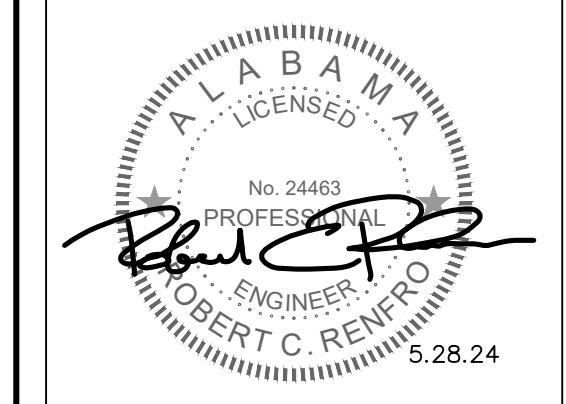
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ISSUE	DATE
IFB SET	05-28-2024

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RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA

GMC # ABHM/230021



ELECTRICAL DETAILS

E6.03

JACKSON, RENFRO & ASSOCIATES, INC.
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ROBERT RENFRO, PE
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(205) 536-7107
(918) 205-995-1078
TRA REG NO. 11410 N

LIGHTING FIXTURE SCHEDULE

Table with columns: MARK, MANUFACTURER, CATALOG NUMBER, VOLTAGE, WATTS, LUMENS, TYPE, MOUNTING HEIGHT, MOUNTING TYPE, REMARKS. Rows include Q1, Q2, Q3, R, SL, UC, W, WE, W2, X1, X2, X3, Y2, Y4, Z1, ZF, ZM.

LIGHTING FIXTURE SCHEDULE GENERAL NOTES: 1. CONTRACTOR SHALL COORDINATE ALL FIXTURE MOUNTING PROVISIONS WITH THE ASSOCIATED CEILING TYPE(S) PRIOR TO ORDERING FIXTURES. LIGHTING FIXTURE SCHEDULE KEYED NOTES: EM EMERGENCY FIXTURE. PROVIDE EMERGENCY BATTERY PACK RATED FOR AT LEAST 500 LUMENS.

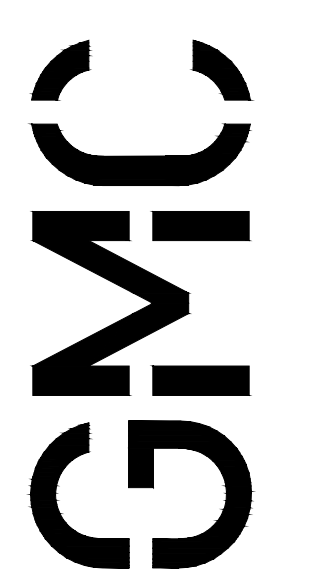
LIGHTING FIXTURE SCHEDULE

Table with columns: MARK, MANUFACTURER, CATALOG NUMBER, VOLTAGE, WATTS, LUMENS, TYPE, MOUNTING HEIGHT, MOUNTING TYPE, REMARKS. Rows include A1, A1E, A2, A2E, A3, A3E, AK, AKE, AK2, B1, B1E, B2, B2E, B8, D1, D1E, D2, D2E, D3, D3E, D4, D4E, DS, EL, EM, F4, F4E, G, GH, GHE, GL6, GL6E, L17, L17E, P1, P1E, P2, P3, P4.

LIGHTING CONTROL PANEL SCHEDULE - LCP-A

Table with columns: MARK, DESCRIPTION, PANEL, CIRCUIT, AUTOMATIC CONTROL (ON, OFF), OVERRIDE ON (STATION, BUTTON), OVERRIDE OFF (STATION, BUTTON), REMARKS. Rows include R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24.

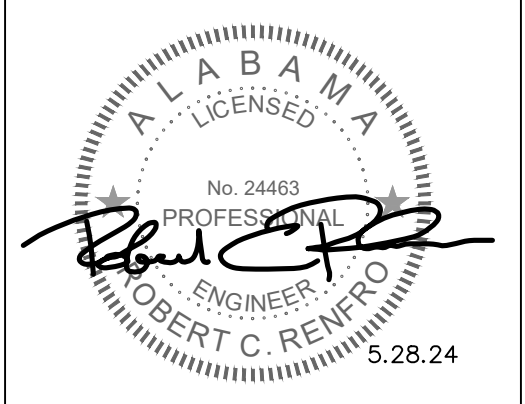
NOTES: 1. PROVIDE BARRIER TO SEPARATE NORMAL AND EMERGENCY CIRCUITS. 2. VERIFY SCHEDULING TIMES WITH OWNER PRIOR TO PROGRAMMING SYSTEM. 3. GYM HIGH-BAY EMERGENCY LIGHTING SHALL NORMALLY BE OFF UNTIL LOSS OF POWER.



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Table with columns: ISSUE, DATE, IFB SET. Includes a vertical timeline of dates from 05/28/2024 to 06/28/2024.

RAINBOW CITY RECREATION CENTER
RAINBOW CITY, ALABAMA



LIGHTING FIXTURE SCHEDULE

E6.04

