

ESCC LOLLEY GYM RENOVATION

ENTERPRISE STATE COMMUNITY COLLEGE / ENTERPRISE, ALABAMA

GOODWYN MILLS CAWOOD, LLC	ARCHITECTURE, INTERIORS, CIVIL, LANDSCAPE
TUCKER JONES ENGINEERS ASSOCIATED	STRUCTURAL ENGINEERING
MW/ DAVIS DUMAS & ASSOCIATES, INC.	MECHANICAL & PLUMBING ENGINEERING
JACKSON, RENFRO, & ASSOCIATES, INC.	ELECTRICAL ENGINEERING

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ISSUE | DATE
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ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

ACCS 2025.130 ESCC
GMC ABHM250051

STATE OF ALABAMA
PATRICK SWATEK
8969
REGISTERED ARCHITECT

TITLE SHEET

T0

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DWG. NO.	DRAWING NAME	ORIG. DATE	ORIGINAL ISSUE NAME	REV. DATE	CURRENT REVISION NAME
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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

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.

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 CONTRACTOR'S 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.

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.

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.

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.

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.

1.07. {PM SOFTWARE}

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.

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.

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.

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.

1.12. LIFE-SAFETY MEASURES DURING CONSTRUCTION: THE GENERAL CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS REQUIRED BY OSHA, CODE, AND OTHER APPLICABLE REGULATORY AUTHORITIES.

1.13. MEANS OF EGRESS: THE GENERAL CONTRACTOR SHALL MAINTAIN CLEAR AND UNOBSTRUCTED MEANS OF EGRESS AT ALL TIMES DURING CONSTRUCTION, WITHOUT EXCEPTION.

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.

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.

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.

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.

B DIVISION 2 - EXISTING CONDITIONS

2.01. POSITIVE DRAINAGE AT BUILDING: SLOPE EXTERIOR GRADE AWAY FROM THE BUILDING IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE.

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.

C DIVISION 3 - CONCRETE

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.

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.

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.

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.

D DIVISION 4 - MASONRY

4.01. SEAL VENEER ANCHORS: ALL EXTERIOR VENEER SYSTEM ANCHORS SHALL BE SET IN FULL, FRESH BED OF TROWEL GRADE AIR/MOISTURE BARRIER COATING, OR DOW 795 OR EQUIVALENT AT THE PLANE OF THE AIR/ MOISTURE BARRIER.

E DIVISION 5 - METALS

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.

F DIVISION 6 - WOOD,PLASTICS & COMPOSITES

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].

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.

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.

6.04. MILLWORK SPLASH: PROVIDE BACKSPLASH AT ALL COUNTERTOPS UNLESS OTHERWISE INDICATED ON PLAN. PROVIDE SIDESPLASH OF SAME MATERIAL, DIMENSION, AND FINISH EVERYWHERE A COUNTERTOP BACKSPLASH ABUTS A VERTICAL WALL SURFACE AT ONE OR MORE OF ITS SIDES UNLESS OTHERWISE INDICATED ON PLAN.

G DIVISION 7 - THERMAL & MOISTURE PROTECTION

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.

7.02. SLOPE TO DRAIN: ALL ROOF SURFACES SHALL BE SLOPED TO DRAIN, WITH MINIMUM PITCH OF ¼" PER LINEAR FOOT. PROVIDE TAPERED INSULATION, CRICKETS AS NECESSARY TO ASSURE THE MINIMUM SLOPE IS ACHIEVED.

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.

7.04. EXPANSION JOINTS COVERS: ALL BUILDING EXPANSION JOINTS EXPOSED TO VIEW IN FLOOR, PARTITION, AND/ OR CEILING ASSEMBLIES SHALL RECEIVE COLOR-COORDINATED PRE-FABRICATED EXPANSION JOINT COVER ASSEMBLY DESIGNED TO ALLOW THE REQUIRED MOVEMENT, AND TO PROVIDE UL APPROVED FIRE RATED ASSEMBLY WHERE REQUIRED.

H DIVISION 8 - OPENINGS

8.01. LABELED FIRE-RATED DOORS AND FRAMES: ALL FIRE DOORS AND FRAMES SHALL BE LABELED BY AN APPROVED AGENCY PER NFPA 80, AND SHALL BE PERMANENTLY AFFIXED THERETO, AND THE LIFE OF THE LABEL AND THE ATTACHMENT THEREOF CAN REASONABLY BE EXPECTED TO EQUAL THE LIFE OF THE COMPONENT TO WHICH IT IS ATTACHED. LABELS MUST BE PROVIDED BY A MANUFACTURER THAT HAS BEEN APPROVED BY A LABORATORY OR ORGANIZATION TO PROVIDE TESTING AND FOLLOW-UP SERVICES FOR FIRE-RATED OPENING ASSEMBLIES. ALL LABELS SHALL INCLUDE THE FIRE RESISTANCE RATING IN HOURS AND/OR MINUTES. LABELS ON FRAMES WITH TRANSOMS AND/OR SIDELIGHTS MUST IDENTIFY THAT THE OPENING ASSEMBLY INCLUDES SAME.

- (A) LABELS SHALL BE RAISED OR EMBOSSED ON METAL LABELS.
- (B) PLASTIC OR PAPER LABELS ARE UNACCEPTABLE.
- (C) LABELS MUST BE VISIBLE AND LEGIBLE AT ALL TIMES AND SHALL NOT BE PAINTED.
  1. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL REQUIRE PAINTER TO REIMBURSE OWNER FOR COSTS OF RE-LABELING RATED DOORS AND FRAMES.

8.02 FIRE-RATED CERAMIC GLAZING: AT FIRE-RATED DOORS, SIDELITES, AND TRANSOMS, PROVIDE FIRE-RATED CERAMIC GLAZING AT ANY VISION PANEL THAT EXCEEDS THE MAXIMUM ALLOWABLE GLASS SIZE PER IBC TABLE 716.5 (IBC 2015) or 716.1(2) (IBC 2018) AS APPLICABLE. SEE SPECIFICATION SECTION 08 8000 GLAZING FOR CERAMIC GLAZING.

8.03. TEMPERED GLASS: PROVIDE TEMPERED SAFETY GLASS EVERYWHERE REQUIRED BY APPLICABLE CODE, INCLUDING ANY GLASS IN DOORS, OPERABLE WINDOWS, ADJACENT TO DOORS OR OPERABLE WINDOWS, WITHIN 36" OF THE ADJACENT FLOOR OR GRADE LEVEL, OR OTHERWISE WHERE REQUIRED BY CODE.

8.04. BLOCKING: FURNISH AND INSTALL BLOCKING IN METAL STUD FRAMED WALLS AND PARTITIONS THAT ARE SCHEDULED TO RECEIVE DOOR BUMPERS/ STOPS, MAGNETIC LOCK DEVICES, AND SIMILAR DOOR RELATED DEVICES THAT WILL SUBJECT THE PARTITION TO DOOR MOVEMENT LOADS AND IMPACT.

8.05. HOLLOW METAL FRAMES: COORDINATE THE THROAT DEPTH OF ALL HOLLOW METAL FRAMES WITH THE DEPTH OF THE PARTITION SCHEDULED TO RECEIVE THE DOOR OR WINDOW FRAME.

8.06 NOT USED

I DIVISION 9 - FINISHES

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.

9.02. FLOOR & WALL TILE: INSTALL FLOOR AND WALL TILE IN ALL SCHEDULED AREAS IN ACCORDANCE WITH APPLICABLE TILE COUNCIL OF AMERICA (TCNA) METHOD.

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.

9.04. PARTITIONS: SEE PARTITION NOTES AND SPECIFICATIONS FOR REQUIREMENTS OF PARTITION CONSTRUCTION.

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.

9.06. CASEWORK AND MILLWORK ANCHORAGE: COORDINATE INSTALLATION OF IN-WALL STEEL ANCHORAGE, GROUNDS, AND REQUIRED BLOCKING WITH OTHER TRADES FOR PRECISE LOCATION.

9.07. PARTITION COORDINATION WITH OTHER TRADES:
(A) COORDINATE BETWEEN TRADES BEFORE FRAMING PARTITIONS. PARTITION FRAMING SHALL BE LAID OUT SO AS TO PERMIT THE INSTALLATION OF PIPING, 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 L/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.

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, I/2 INCH STROKE, AND NOT MORE THAN 15 FEET ON-CENTER.

(B) UNLESS OTHERWISE REQUIRED OTHERWISE BY LOCAL JURISDICTION IDENITIFY RATED PARTITIONS AND WALLS AS FOLLOWS (G.C. MUST CONFIRM VERBIAGE WITH LOCAL AHJ) :
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

J DIVISION 10 - SPECIALTIES

10.01. SPECIALTIES GENERAL: WHEN APPLICABLE TO THE PROJECT, OWNER WILL AWARD AND WILL ASSIGN TO THE GENERAL CONTRACTOR THE CONTRACT FOR CERTAIN SPECIALTY ITEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROCURING, SCHEDULING, AND COORDINATING THE INSTALLATION OF WORK INSTALLED UNDER THESE CONTRACTS. THE COST OF ASSIGNED CONTRACTS SHALL BE INCLUDED AS PART OF THE WORK OF THIS CONTRACT. SEE SPECIFICATION SECTION 01 1000 - "SUMMARY""; PARA. "1.07 WORK UNDER SEPARATE CONTRACTS"
10.02. SPECIALTY CONTRACTS: THE FOLLOWING SPECIALTY CONTRACTS WILL BE ASSIGNED TO THE GENERAL CONTRACTOR:
(A) INTERIOR AND EXTERIOR SIGNAGE PACKAGE.
(B) ROLLER WINDOW SHADE AND CUBICLE CURTAIN PACKAGE.

K DIVISION 11 - EQUIPMENT

11.01. EQUIPMENT GENERAL: FOR EQUIPMENT OR SYSTEMS INSTALLED UNDER SEPARATE CONTRACT, GENERAL CONTRACTOR SHALL COOPERATE FULLY WITH SEPARATE CONTRACTORS SO WORK ON THOSE CONTRACTS MAY BE CARRIED OUT SMOOTHLY, WITHOUT INTERFERING WITH OR DELAYING WORK UNDER THIS CONTRACT OR OTHER CONTRACTS. COORDINATE THE WORK OF THIS CONTRACT WITH WORK PERFORMED UNDER SEPARATE CONTRACTS. WORK TO BE PERFORMED UNDER SEPARATE CONTRACT IS AS ITEMIZED UNDER SPECIFICATION SECTION 01 1000 - "SUMMARY"; PARA. "1.07 WORK UNDER SEPARATE CONTRACTS".

11.02. NOT USED

11.03. NOT USED

L DIVISION 12 - FURNISHINGS

12.01. CASEWORK BASE: PROVIDE FINISHED BASE TO MATCH MATERIAL & FINISH OF ADJACENT WALL BASE, AT TOE KICK, AT ALL EXPOSED FRONT, SIDE, & REAR FACES OF CASEWORK.

12.02. CASEWORK SPLASH: PROVIDE BACKSPLASH AT ALL COUNTERTOPS UNLESS OTHERWISE INDICATED ON PLAN. PROVIDE SIDESPLASH OF SAME MATERIAL, DIMENSION, AND FINISH EVERYWHERE A COUNTERTOP BACKSPLASH ABUTS A VERTICAL WALL SURFACE AT ONE OR MORE OF ITS SIDES UNLESS OTHERWISE INDICATED ON PLAN.

M DIVISION 13 - SPECIAL CONSTRUCTION

13.01. NOT USED

13.02. NOT USED

N DIVISION 14 - CONVEYING SYSTEMS

14.01. STRUCTURAL FOUNDATION COORDINATION: COORDINATE EXACT BOTTOM OF ELEVATOR SHAFT WITH PIT DEPTH REQUIREMENTS OF SELECTED ELEVATOR MANUFACTURER. EXACT LOCATION OF SUMP PUMP AS DICTATED BY SELECTED ELEVATOR MANUFACTURER. AREA BETWEEN BOTTOM OF SLAB OF ELEVATOR SHAFT & STRUCTURAL CONCRETE MAT FOOTING TO BE POROUS FILL.

14.02. STRUCTURAL CONCRETE WALL COORDINATION: COORDINATE ALL REQUIRED ELEVATOR SHAFT WALL PENETRATIONS, EMBED LOCATIONS, SPECIAL HOISTWAY INFILL BRACKETS (IF REQUIRED FOR INSTALLATION IN SHAFT PROVIDED), WALL MOUNTED LADDERS, ETC. WITH SELECTED ELEVATOR MANUFACTURER.

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.

14.04. ELECTRICAL COORDINATION: COORDINATE A MINIMUM QUANTITY (2) PER CAB, ELEVATOR DISCONNECTS WITH SELECTED ELEVATOR MANUFACTURER

O DIVISION 21 - FIRE SUPPRESSION

21.01. FIRE PROTECTION SYSTEMS: WHERE REQUIRED, INSTALL FIRE PROTECTION SYSTEMS IN STRICT ACCORDANCE WITH APPLICABLE CODES AND ORDINANCES, INCLUDING NFPA. ALL EQUIPMENT UTILIZED IN THE FIRE PROTECTION SYSTEM SHALL BE LISTED BY UNDERWRITER'S LABORATORIES [UL].

21.02. FIRE PROTECTION SYSTEM DESIGN: WHERE DESIGN OF THE FIRE PROTECTION SYSTEM IS THE RESPONSIBILITY OF THE CONTRACTOR AS REQUIRED BY A PERFORMANCE SPECIFICATION, THE SYSTEM DESIGN SHALL BE SUPERVISED BY AN INDIVIDUAL WHO IS A REGISTERED FIRE PROTECTION ENGINEER AND/OR IS CERTIFIED AT LEVEL III OR HIGHER IN FIRE PROTECTION ENGINEERING TECHNOLOGY AUTOMATIC SPRINKLER SYSTEM LAYOUT BY THE NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGY (NICET).

21.03. FIRE PROTECTION PIPING: SPRINKLER PIPING SHALL BE UNENCUMBERED BY THE WORK OF ANY OTHER TRADE THROUGHOUT THE ENTIRE BUILDING. UNDER NO CIRCUMSTANCES SHALL ANYTHING BE SUPPORTED BY, DRAPED OVER, TIED-OFF TO, OR SUSPENDED BY, SPRINKLER PIPING. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO CONTINUOUSLY MONITOR ONGOING WORK IN THE VICINITY OF SPRINKLER PIPING AND SHALL DIRECT ANY OTHER CONTRACTOR OR TRADESMAN TO IMMEDIATELY REMOVE AND RE-INSTALL ANY ITEM NOT IN COMPLIANCE WITH THIS REQUIREMENT.

P DIVISION 22 - PLUMBING

22.01. CONCEALED PIPING: ALL PIPING, DUCTWORK, ELECTRICAL RACEWAYS & CONDUITS SHALL BE CONCEALED IN THE BUILDING CONSTRUCTION. THE GENERAL CONTRACTOR SHALL INCLUDE, IN THE BASE BID, REQUIRED FURRING TO CONCEAL THESE SYSTEMS WHETHER OR NOT THE FRAMING AND FURRING IS ILLUSTRATED IN THE DRAWINGS.

22.02. SECURE PIPING: TIE ALL PIPING "HARD" TO STRUCTURE.

22.03. GAS PIPING EXPOSED ON ROOF: WHERE GAS PIPING IS EXPOSED ON THE ROOF, PAINT GAS PIPING "YELLOW".

22.04. PLUMBING FIXTURES: CAREFULLY REVIEW THE DIMENSIONAL STANDARDS FOR INSTALLED PLUMBING FIXTURES, AND PLAN THE WORK TO ASSURE FULL COMPLIANCE OF CODE REQUIRED FIXTURE CLEARANCES.

Q DIVISION 23 - HVAC

23.01. MEP DEVICE/ FIXTURE COORDINATION: COORDINATE LOCATIONS FOR DIFFUSERS, AND RETURN AIR GRILLES TO THE GREATEST EXTENT POSSIBLE IN ORDER TO MAINTAIN LIGHTING LAYOUT INDICATED IN THE DRAWINGS. MEP&FP CONTRACTORS SHALL COORDINATE WORK WITH OTHER TRADES PRIOR TO INSTALLATION.

R DIVISION 26 - ELECTRICAL

26.01. MEP DEVICE/ FIXTURE COORDINATION: COORDINATE LOCATIONS FOR DIFFUSERS, AND RETURN AIR GRILLES TO THE GREATEST EXTENT POSSIBLE IN ORDER TO MAINTAIN LIGHTING LAYOUT INDICATED IN THE DRAWINGS. MEP&FP CONTRACTORS SHALL COORDINATE WORK WITH OTHER DISCIPLINES PRIOR TO INSTALLATION. ALL ELECTRICAL ITEMS INDICATED IN OR ON CABINETRY OR MILLWORK SHALL BE SUPPLIED, INSTALLED AND COORDINATED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED.

26.02. CENTER CEILING DEVICES: CENTER LIGHTS, SUPPLY DIFFUSERS, RETURN GRILLES, SPRINKLER HEADS, ETC. IN CEILING PANELS IF NOT OTHERWISE INDICATED.

26.03. ELECTRICAL BOXES IN RATED PARTITIONS: WHERE ELECTRICAL BOXED ARE INSTALLED IN FIRE-RATED METAL STUD PARTITIONS, INSTALL BOXES NO LARGER THAN SIXTEEN SQUARE INCHES (16 SI) IN AREA, AND DO NOT EXCEED ONE-HUNDRED SQUARE INCHES (100 SI) OF METALLIC BOX PER ONE-HUNDRED SQUARE FEET (100 SF) OF FIRE-RATED WALL AREA. WHERE ELECTRICAL REQUIREMENTS DICTATE A HIGHER RATION, TREAT THE ELECTRICAL BOXES WITH CODE APPROVED METHOD TO ASSURE CONTINUOUS RATING. FURTHER, DO NOT INSTALL ELECTRICAL BOXES BACK-TO-BACK IN THE SAME STUD CAVITY WITHOUT APPROVED FIRE-RATED TREATMENT.

26.04. ELECTRICAL DEVICES IN OR NEAR MILLWORK: CAREFULLY LOCATE ELECTRICAL BOXES FOR DEVICES IN OR NEAR MILLWORK AND/OR CASEWORK TO ASSURE COORDINATED INSTALLATION. LOCATE ELECTRICAL DEVICES ABOVE COUNTERTOP SUCH THAT THE DEVICE COVER PLATE WILL NOT INTERFERE WITH SCHEDULED BACKSPLASH OR SIDESPLASH.

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GENERAL NOTES

G0.02

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ABBREVIATIONS

ACC	ACCESSIBLE
ACI	AMERICAN CONCRETE INSTITUTE
ACT	ACOUSTICAL CEILING TILE
ADD	ADDENDUM
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECT (URAL)
ADJ	ADJACENT
B/B	BACK-TO-BACK
BC	BASE OF CURB
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BENCHMARK
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BUR	BUILT-UP ROOF
BOW	BOTTOM OF WALL
B/W	BETWEEN
CAB	CABINET
CB	CATCH BASIN
C/C	CENTER TO CENTER
CD	CORE DECK
CF	CUBIC FOOT
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CI	CAST IRON
CIP	CAST IRON PIPE
CJ	CONSTRUCTION OR CONTROL JOINT
CLG	CEILING
CLO	CLOSET
CLR	CLEAR (ANCE)
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS OR CONTINUE
COORD	COORDINATE
CPT	CARPET (ED)
CSMU	CALCIUM SILICATE MASONRY UNIT
CT	CERAMIC TILE
CW	CURTAIN WALL
D	DRYER
DBL	DOUBLE
DEM	DEMOLISH OR DEMOLITION
DET	DETAIL
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DL	DEAD LOAD
DS	DOWNSPOUT
DWG	DRAWING
DF	DRINKING FOUNTAIN
EA	EACH
EF	EACH FACE
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
ELEV	ELEVATION / ELEVATOR
ELEC	ELECTRIC (ALL)
ENGR	ENGINEER
EOP	EDGE OF PAVEMENT
EOS	EDGE OF SLAB
EQ	EQUAL
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED
EXPN	EXPANSION
EXT	EXTERIOR
FBO	FURNISHED BY OTHERS
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER & CABINET
FFE	FINISH FLOOR ELEVATION
FFW	FINISH FACE OF WALL
FHC	FIRE HOSE & CABINET
F/F	FACE TO FACE
FL	FLOOR
FLG	FLANGE
FND	FOUNDATION
FO	FACE OF
FOB	FACE OF BRICK
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FR	FRAME (ED), (ING)
FRT	FIRE RETARDANT TREATED
FT	FOOT/FEET
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GHM	GALVANIZED HOLLOW METAL
GI	GALVANIZED IRON
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	HEIGHT
HC	HANDICAP
HM	HOLLOW METAL
HOD	HIGHEST OPERABLE DEVICE
HORIZ	HORIZONTAL
HP	HIGH POINT/HORSE POWER
HSS	HOLLOW STRUCTURAL STEEL
HT	HEIGHT
HVAC	HEATING / VENTILATION / AIR CONDITIONING
HW	HARDWARE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IJ	ISOLATION JOINT
IN	INCH / INCHES
INSUL	INSULATION
JAN	JANITOR'S CLOSET
JG	JOIST GIRDER
JT	JOINT
K	THOUSAND
KIP	1000 #
KJ	KEY JOINT
KSI	1000 # PER SQ IN
LAM	LAMINATE (D)
LF	LINEAR FOOT
L	LENGTH, ANGLE
LAB	LABORATORY
LAV	LAVATORY
LH	LEFT HAND
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LT GA	LIGHT GAUGE
LT	LIGHT
MATL	MATERIAL
MAX	MAXIMUM
MC	MISCELLANEOUS CHANNEL
MECH	MECHANICAL
MEZZ	MEZZANINE
MANUF	MANUFACTURE (R)
MH	MANHOLE
MIN	MINIMUM
MO	MASONRY OPENING
MULL	MULLION
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O/H	OVERHEAD
OC	ON CENTER (S)
OCC	OCCUPANT (S)
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OH	OPPOSITE HAND
OPG	OPENING
OPP	OPPOSITE
PJ	PRECAST JOINT
PL	PROPERTY LINE, PLATE
PLAM	PLASTIC LAMINATE
PNT	PAINT (ED)
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PREMANUF	PREMANUFACTURED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT / PRESSURE TREATED / POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWD	PLYWOOD
QT	QUARRY TILE
RA	RETURN AIR
RAD	RADIUS
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCEMENT BAR
REF	REFRIGERATOR / REFERENCE
REINF	REINFORCE (D), (ING)
REQ'D	REQUIRED
RET	RETAINING
REV	REVISION (S), REVISED
RH	RIGHT HAND
RJ	RECESSED JOINT
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RTU	ROOF TOP UNIT
SC	SEALED CONCRETE
SCHED	SCHEDULED
SD	STORM DRAIN
SECT	SECTION
SF	STOREFRONT
SIM	SIMILAR
SPEC	SPECIFICATION (S)
SQ	SQUARE
SS	SOLID SURFACE
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SY	SQUARE YARD
TELE	TELEPHONE
TERM	TERMINATION
T&G	TONGUE AND GROOVE
TH	THICK (NESS)
THK	THICK (NESS)
TO	TOP OF
TOC	TOP OF CURB
TOGB	TOP OF GRAB BAR
TOF	TOP OF FOOTING
TOJ	TOP OF JOIST
TOS	TOP OF SLAB / TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
TZ	TERRAZZO
UNO	UNLESS NOTED OTHERWISE
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VWC	VINYL WALL COVERING
W	WASHER / WIDTH / WIDE FLANGE
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WIN	WINDOW
WP	WORK POINT / WATERPROOFING
WT	WEIGHT
W/W	WALL TO WALL
WWF	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT

ANNOTATION SYMBOLS & TAGS

ROOM NAME
101
ROOM REFERENCE TAG

COLUMN LINES:
CONSECUTIVE NUMBERS ARE USED FOR COLUMN LINES RUNNING NORTH & SOUTH

CONSECUTIVE LETTERS ARE USED FOR COLUMN LINES RUNNING EAST & WEST

FACE OF MASONRY OR FACE OF GIRDER

677.52
ELEVATION TAG:
677.52 - ELEVATION (FT)

A1.01
EXTERIOR ELEVATION TAG:
ELEVATION 1 ON SHEET A101

3 A1.01
INTERIOR ELEVATION TAG:
INTERIOR ELEVATION 3 ON SHEET A101

FF&E:
BY OTHERS

REVISION CLOUD AND TAG:
USED TO INDICATE SCOPE OF CURRENT REVISION

OG
WALL TAG:
INTERIOR WALL TYPE OG
(SEE PARTITION LEGEND)

101
DOOR TAG:
DOOR NUMBER 101
(SEE FLOOR PLANS AND DOOR SCHEDULE)

C-1
CURTAINWALL TAG:
CURTAINWALL TYPE 1
(SEE EXTERIOR ELEVATIONS AND GLAZING SCHEDULE)

S-1
STOREFRONT TAG:
STOREFRONT TYPE 1
(SEE EXTERIOR ELEVATIONS AND GLAZING SCHEDULE)

W-1
WINDOW TAG:
WINDOW TYPE 1
(SEE EXTERIOR ELEVATIONS AND GLAZING SCHEDULE)

L-1
LOUVER TAG:
LOUVER TYPE L1
(SEE LOUVER SCHEDULE)

TA01
SPECIALTY EQUIPMENT TAG:
SEE SPECIALTY EQUIPMENT SCHEDULE

G1
PLAN KEYNOTE TAG:
KEYNOTE NUMBER
SEE PLAN KEYNOTE SCHEDULE

1 A1.01
BUILDING SECTION TAG:
SECTION 1 ON SHEET A101

1 A1.01
WALL SECTION TAG:
SECTION 1 ON SHEET A101

1 A1.01
ENLARGED DETAIL TAG:
DETAIL 1 ON SHEET A101

CDS#
HEIGHT # # DEPTH #
WIDTH #
CASEWORK TAG

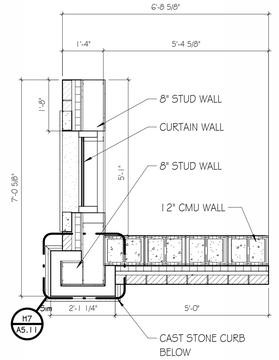
PRIMARY / ACCENT WALL FINISH	PNT-1	PNT-5
BASE FINISH	RB-1	
FLOOR FINISH	LVT-1	
CASEWORK / COUNTERTOP FINISH	PL-3	SS-1

INTERIOR FINISH TAG

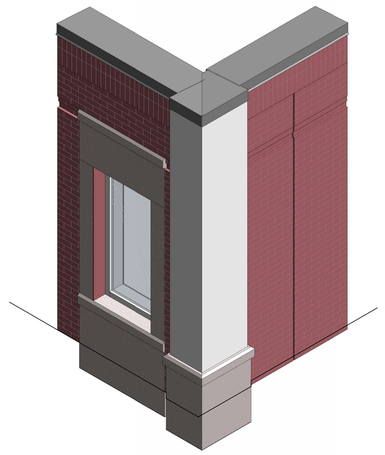
PLAN NORTH
NORTH ARROW:
ARCHITECTURAL PLAN ORIENTATION

TRUE NORTH
NORTH ARROW:
CIVIL ORIENTATION

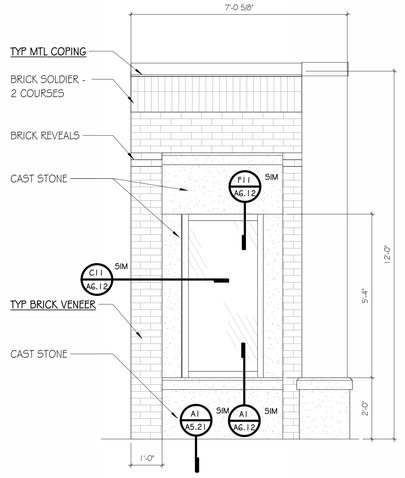
MOCKUP WALL



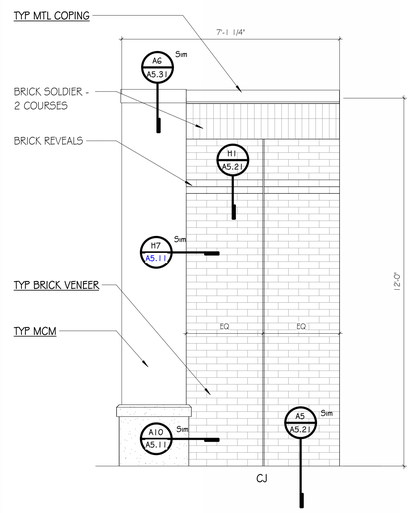
MOCKUP WALL PLAN
SCALE: 1/2" = 1'-0"



MOCKUP WALL



MOCKUP WALL ELEVATION
SCALE: 1/2" = 1'-0"



MOCKUP WALL ELEVATION
SCALE: 1/2" = 1'-0"

VICINITY MAP



TRUE NORTH

LOCATION MAP



TRUE NORTH

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

ISSUE	DATE
ISSUED FOR BID	2026.11.06

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

STATE OF ALABAMA
PATRICK SWATEK
8969
REGISTERED ARCHITECT

GENERAL INFORMATION & MOCKUP WALL

G0.03

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ACCESSIBLE ELEMENTS NOTES

01. **ACCESSIBILITY STANDARDS:** CONTRACTOR MUST BE FAMILIAR WITH AND, SHALL MAINTAIN ON THE JOB SITE, A COPY OF THE CURRENT ADAAG STANDARDS AND IBC CHAPTER 11 ACCESSIBILITY REQUIREMENTS (OR FLORIDA BUILDING CODE ACCESSIBILITY) AS APPLICABLE. DURING CONSTRUCTION THE GENERAL CONTRACTOR SHALL BE MINDFUL OF THESE ACCESSIBILITY REQUIREMENTS INCLUDING MOUNTING HEIGHTS AND FLOOR MANEUVERING CLEARANCES AND, IN THE EVENT THAT FIELD CONDITIONS WILL NOT ALLOW FOR ACCESSIBILITY REQUIREMENTS TO BE MAINTAINED IN A PARTICULAR CONDITION OR INSTALLATION, CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR FURTHER DIRECTION PRIOR TO PROCEEDING.

02. **ADA DEVICES:** ALL DEVICES AND FIXTURES DEPICTED HEREIN AND WHERE NOTED AS "ADA" OR "ACCESSIBLE" SHALL AT MINIMUM BE INSTALLED IN STRICT ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT AND APPLICABLE BUILDING CODES. WHERE ACCESSIBILITY REQUIREMENTS MAY VARY BY JURISDICTION, FOLLOW THE MOST STRINGENT REQUIREMENTS.

03. **ADA MOUNTING HEIGHTS:** ALL MOUNTING HEIGHTS SHOWN ON THIS PAGE ARE TO BE MEASURED FROM THE TOP OF FLOOR FINISH (i.e. NOT FROM SUBFLOOR). THE CONTRACTOR SHALL ACCOUNT FOR THE THICKNESS OF THE SPECIFIED FLOOR FINISH WHEN ESTABLISHING THE MOUNTING HEIGHTS OF ACCESSIBLE ITEMS.

04. **ADA PLAN DIMENSIONS:** ALL PLAN DIMENSIONS SHALL BE MEASURED FROM THE FINISH FACE OF SCHEDULED WALL FINISH. THE CONTRACTOR SHALL ACCOUNT FOR THE THICKNESS OF THE SPECIFIED WALL FINISH e.g., WALL TILE, WHEN ESTABLISHING PLAN DIMENSIONS AND CLEARANCES FOR ACCESSIBLE ELEMENTS.

05. **PLUMBING ELEMENTS AND FIXTURES:** SEE PLUMBING DRAWINGS AND SPECIFICATIONS FOR REQUIRED LOCATIONS AND MOUNTING HEIGHT OF PLUMBING ELEMENTS AND FIXTURES. SHOULD CONFLICT EXIST BETWEEN MOUNTING HEIGHTS AND/OR CLEARANCES INDICATED HEREIN AND THE REQUIREMENTS OF THE PLUMBING ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATION PRIOR TO ROUGH-IN.

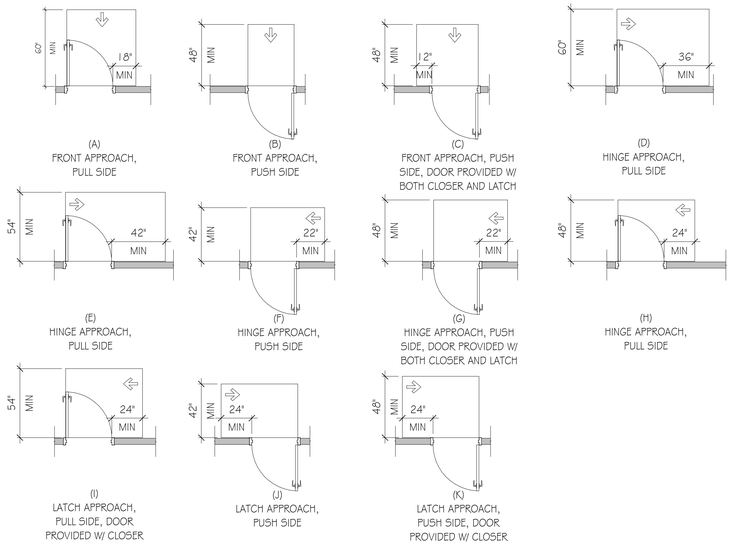
06. **ELECTRICAL DEVICES:** SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED MOUNTING HEIGHT OF ELECTRICAL DEVICES AND FIXTURES. SHOULD CONFLICT EXIST BETWEEN MOUNTING HEIGHTS INDICATED HEREIN AND THE REQUIREMENTS OF THE ELECTRICAL ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATION PRIOR TO ROUGH-IN.

ABBREVIATIONS AND ACRONYMS

AFF . . . . . ABOVE FINISHED FLOOR	MAX . . . . . MAXIMUM
BOGB . . . . . BOTTOM OF GRAB BAR	MIN . . . . . MINIMUM
FFE . . . . . FINISHED FLOOR ELEVATION	TOGB . . . . . TOP OF GRAB BAR
FFW . . . . . FINISH FACE OF WALL	WC . . . . . WATER CLOSET
FO . . . . . FACE OF	W/ . . . . . WITH
GB . . . . . GRAB BAR	W/O . . . . . WITHOUT
HOD . . . . . HIGHEST OPERABLE DEVICE	

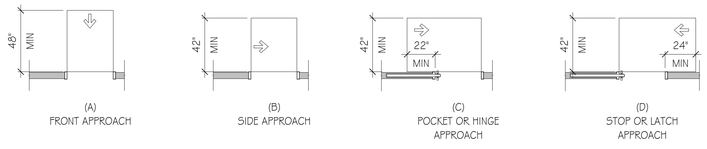
DOOR AND GATE MANEUVERING CLEARANCES

404.2.4.1 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES



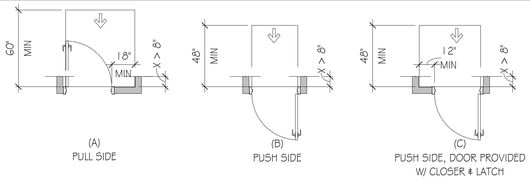
(A) FRONT APPROACH, PULL SIDE
(B) FRONT APPROACH, PUSH SIDE
(C) FRONT APPROACH, PUSH SIDE, DOOR PROVIDED W/ BOTH CLOSER AND LATCH
(D) HINGE APPROACH, PULL SIDE
(E) HINGE APPROACH, PULL SIDE
(F) HINGE APPROACH, PUSH SIDE
(G) HINGE APPROACH, PUSH SIDE, DOOR PROVIDED W/ BOTH CLOSER AND LATCH
(H) HINGE APPROACH, PULL SIDE
(I) LATCH APPROACH, PULL SIDE, DOOR PROVIDED W/ CLOSER
(J) LATCH APPROACH, PUSH SIDE
(K) LATCH APPROACH, PUSH SIDE, DOOR PROVIDED W/ CLOSER

404.2.4.2 MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS OR GATES, MANUAL SLIDING DOORS, AND MANUAL FOLDING DOORS



(A) FRONT APPROACH
(B) SIDE APPROACH
(C) POCKET OR HINGE APPROACH
(D) STOP OR LATCH APPROACH

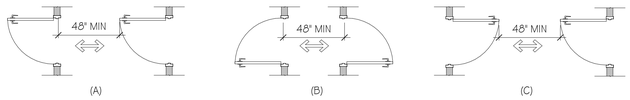
404.2.4.3 RECESSED DOORS AND GATES



(A) PULL SIDE
(B) PUSH SIDE
(C) PUSH SIDE, DOOR PROVIDED W/ CLOSER & LATCH

404.2.4.3 RECESSED DOORS AND GATES. A DOOR CAN BE RECESSED DUE TO WALL THICKNESS OR BECAUSE OF CASEWORK AND OTHER FIXED ELEMENTS ADJACENT TO THE DOORWAY. THIS PROVISION MUST BE APPLIED WHEREVER DOORS ARE RECESSED.

404.2.4.6 DOORS IN SERIES AND GATES IN SERIES



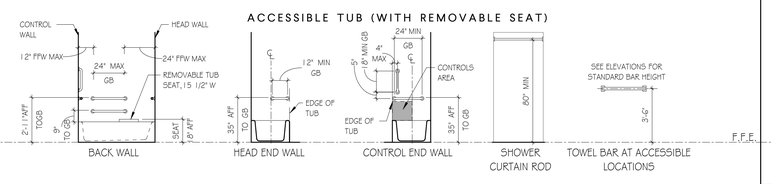
(A) (B) (C)

ACCESSIBLE PLUMBING ELEMENTS AND FACILITIES - ELEVATION VIEW

SEE G1.12 FOR PLAN DETAILS

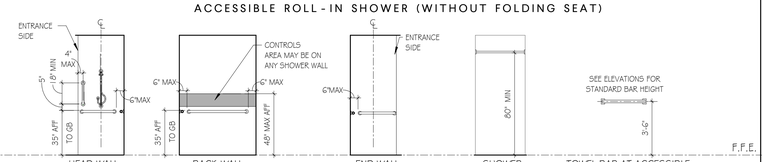
IMPORTANT NOTE: ALL HEIGHTS GIVEN BELOW ARE FROM FACE OF FLOOR FINISH (NOT FROM FINISH SLAB)

ACCESSIBLE TUB (WITH REMOVABLE SEAT)



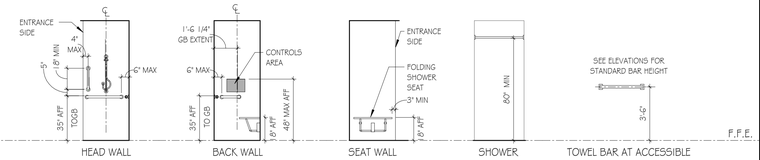
BACK WALL | HEAD END WALL | CONTROL END WALL | SHOWER CURTAIN ROD | TOWEL BAR AT ACCESSIBLE LOCATIONS

ACCESSIBLE ROLL-IN SHOWER (WITHOUT FOLDING SEAT)



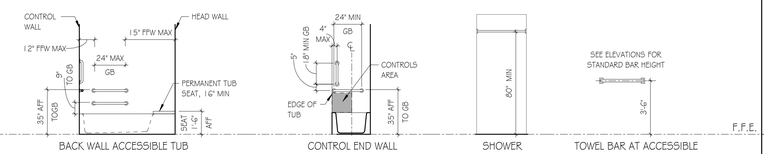
HEAD WALL | BACK WALL | END WALL | SHOWER CURTAIN ROD | TOWEL BAR AT ACCESSIBLE LOCATIONS

ACCESSIBLE TRANSFER SHOWER (WITH FOLDING SEAT)



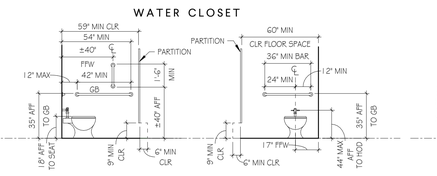
HEAD WALL | BACK WALL | SEAT WALL | SHOWER CURTAIN ROD | TOWEL BAR AT ACCESSIBLE LOCATIONS

ACCESSIBLE TUB (WITH PERMANENT SEAT)

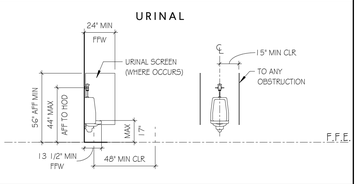


BACK WALL ACCESSIBLE TUB (WITH PERMANENT SEAT) | CONTROL END WALL | SHOWER CURTAIN ROD | TOWEL BAR AT ACCESSIBLE LOCATIONS

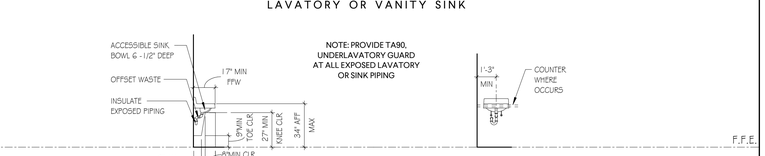
WATER CLOSET



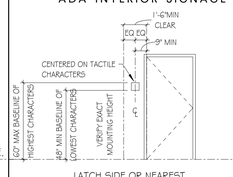
URINAL



LAVATORY OR VANITY SINK

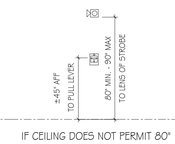


ADA INTERIOR SIGNAGE



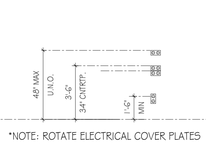
LATCH SIDE OR NEAREST ADJACENT WALL

FIRE ALARM W/ STROBE



IF CEILING DOES NOT PERMIT 80" VERIFY HEIGHT W / ARCH

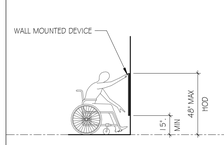
ELECTRICAL DEVICES



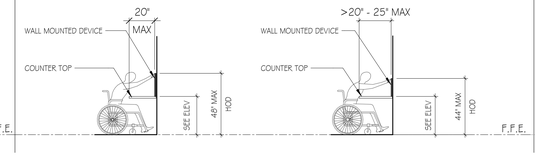
*NOTE: ROTATE ELECTRICAL COVER PLATES HORIZONTAL IF COUNTERTOP IS ABOVE 42" HIGH

TYPICAL REACH RANGES

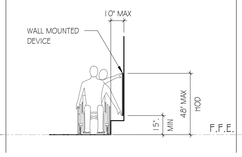
UNOBSTRUCTED FORWARD REACH



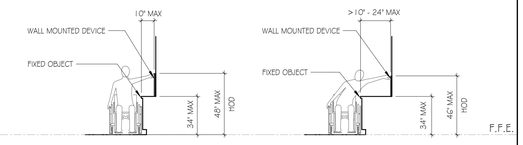
OBSTRUCTED HIGH FORWARD REACH



UNOBSTRUCTED SIDE REACH

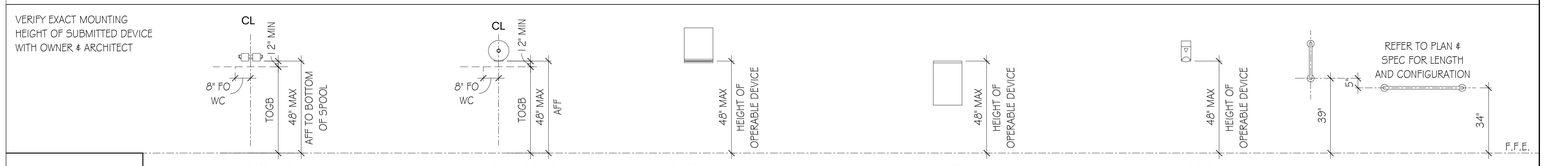


OBSTRUCTED HIGH SIDE REACH

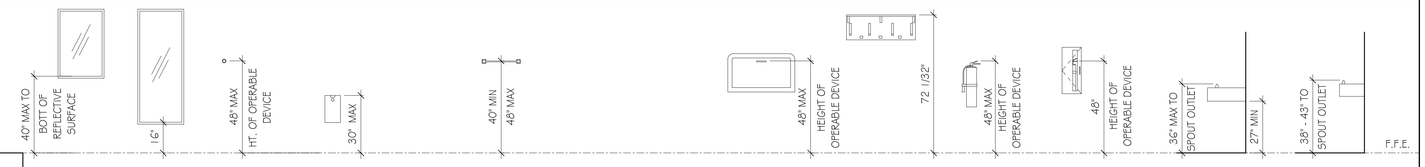


TYPICAL ACCESSIBLE MOUNTING HEIGHTS

VERIFY EXACT MOUNTING HEIGHT OF SUBMITTED DEVICE WITH OWNER & ARCHITECT



TOILET ACCESSORY TYPE	TOILET TISSUE HOLDER	TOILET TISSUE DISPENSER	PAPER TOWEL DISPENSER	WASTE RECEPTACLE	SOAP DISPENSER	GRAB BAR VERTICAL	GRAB BAR HORIZONTAL NOTE: TOP OF GRAB BAR MAY BE 36" WHERE USED WITH TANK TOILETS
DRAWING DESIGNATION	TA01	TA02	TA03	TA11 SURFACE MOUNTED	TA19	18" TA23	36" TA24 42" TA25



TOILET ACCESSORY TYPE	MIRROR ADA	MIRROR FULL LENGTH	ROBE HOOK AT ACCESSIBLE LOCATIONS (SEE ELEVATIONS FOR STANDARD HOOK HT)	SANITARY NAPKIN DISPOSAL	TOWEL BAR OR TOILETRY SHELF	BABY CHANGING STATION	MOP AND BROOM HOLDER	FIRE EXTINGUISHER	FIRE EXTINGUISHER CABINET	E.W.C. (ACCESSIBLE)	E.W.C. (STANDARD)
DRAWING DESIGNATION	TA31	TA32	TA33	TA36	TA53 T.B. TA54 T.S.	TA55	TA95	FE	FEC		

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2400 5th Avenue South, Suite 200
Birmingham, AL 35233
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ISSUE DATE
ISSUED FOR BID 2026.11.06

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

STATE OF ALABAMA
PATRICK SWATEK
8969
REGISTERED ARCHITECT

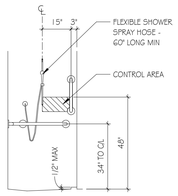
ACCESSIBILITY DATA

G0.11

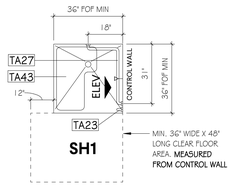
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ACCESSIBLE PLUMBING LAYOUTS - ADAAG / ANSI

ACCESSIBLE SHOWER STALL LAYOUTS



ELEVATION

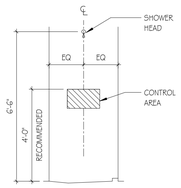


SH1

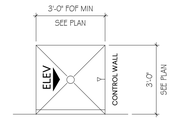
PLAN

TRANSFER SHOWER STALL

PLAN DESIGNATION **SH1**



ELEVATION



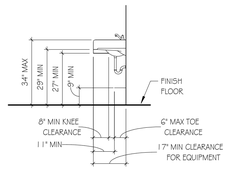
SH4

PLAN

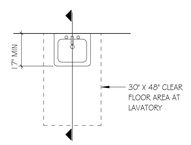
NON-ACCESSIBLE SHOWER

PLAN DESIGNATION **SH4**

ACCESSIBLE LAVATORIES



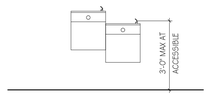
SECTION
LAVATORY CLEARANCES



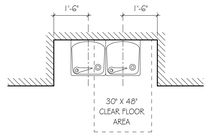
PLAN

ACCESSIBLE LAVATORY

FRONT APPROACH



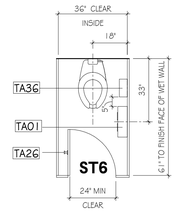
ELEVATION



PLAN

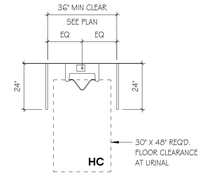
FOUNTAIN / COOLER - HI-LO

OTHER STALL OR COMPARTMENT LAYOUTS



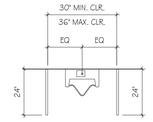
STANDARD TOILET STALL

PLAN DESIGNATION **ST6**



ACCESSIBLE URINAL STALL

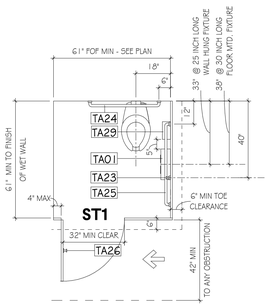
PLAN DESIGNATION ST8



STANDARD URINAL STALL

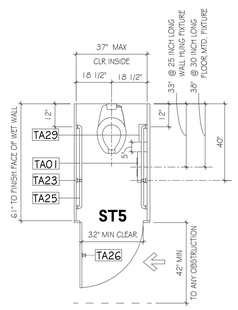
PLAN DESIGNATION ST7

ACCESSIBLE TOILET STALL OR COMPARTMENT LAYOUTS



WHEELCHAIR ACCESS. STALL

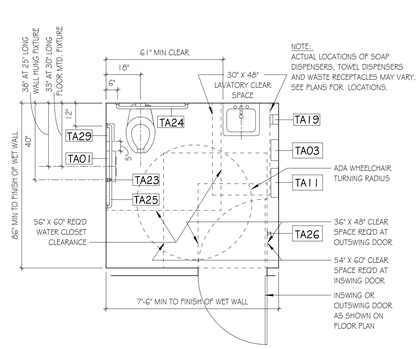
PLAN DESIGNATION **ST1**



AMBULATORY ACCESSIBLE STALL

PLAN DESIGNATION **ST5**

ACCESSIBLE TOILET ROOM LAYOUTS



ACCESSIBLE TOILET ROOM TYPE 1

INSWING OR OUTSWING DOOR ON FRONT WALL

NOTES:
1. LOCATE FLUSH ACTIVATION ON WIDE SIDE AT ALL TOILETS - LOCATE FLUSH VALVE BENEATH ADJACENT GRAB BARS.
2. SANITARY NAPKIN DISPOSALS TO BE PROVIDED AT ALL FEMALE, UNISEX, & FAMILY TOILETS

GMC

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

ISSUE DATE
ISSUED FOR BID 2026.11.06

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

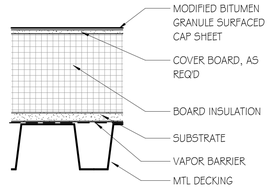
ACCS 2025 130 ESCC
GMC ABHM250051

STATE OF ALABAMA
PATRICK SWATEK
8969
REGISTERED ARCHITECT

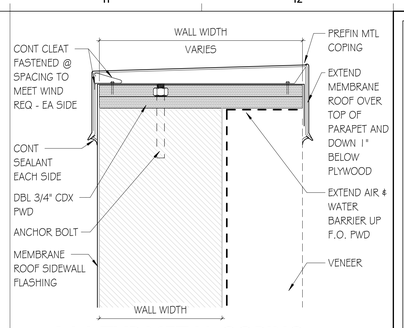
ACCESSIBLE PLUMBING LAYOUTS

G0.12

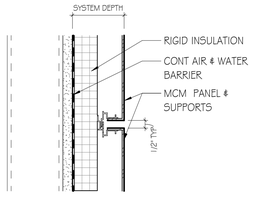
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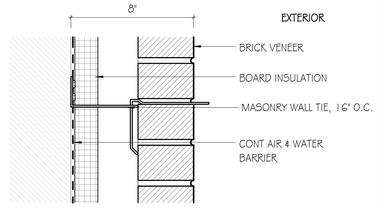
J9 TYP MOD-BIT ROOF
SCALE: 3" = 1'-0"



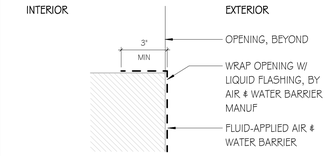
J11 TYP METAL COPING
SCALE: 3" = 1'-0"



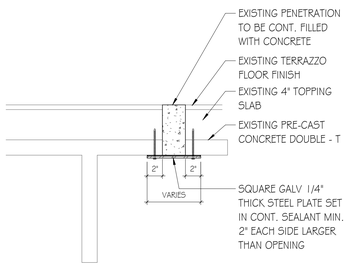
G7 TYP MCM PANEL
SCALE: 3" = 1'-0"



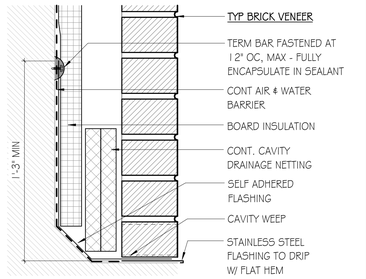
G9 TYP BRICK VENEER
SCALE: 3" = 1'-0"



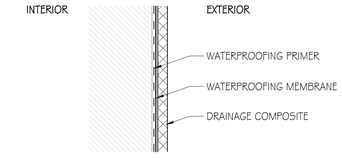
G11 TYP BARRIER @ OPENING
SCALE: 3" = 1'-0"



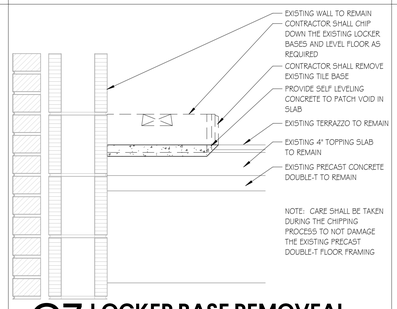
E7 DOUBLE - T PATCH
SCALE: 11/2" = 1'-0"



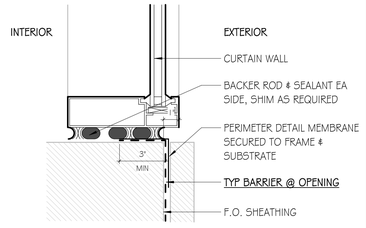
E9 TYP THRU-WALL FLASHING
SCALE: 3" = 1'-0"



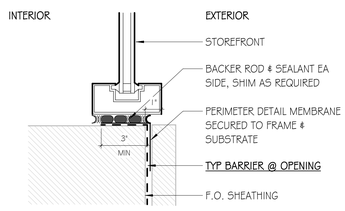
E11 TYP VERT WATERPROOFING
SCALE: 3" = 1'-0"



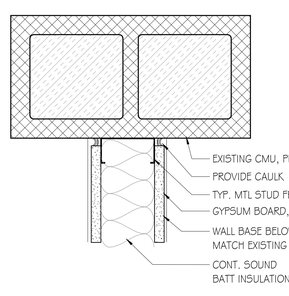
C7 LOCKER BASE REMOVEAL
SCALE: 11/2" = 1'-0"



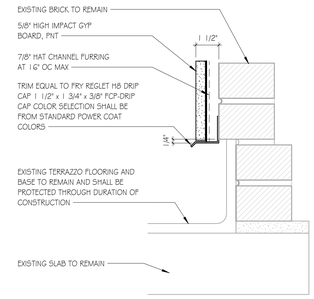
C9 TYP CW OPENING
SCALE: 3" = 1'-0"



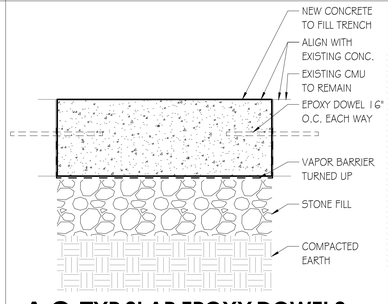
C11 TYP SF OPENING
SCALE: 3" = 1'-0"



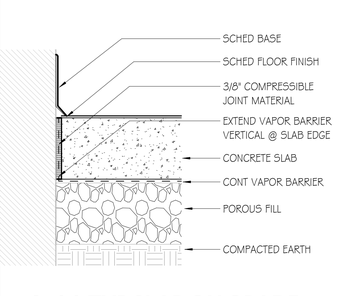
A5 PLAN DETAIL - GYP & CMU WALL
SCALE: 3" = 1'-0"



A7 LOBBY BASE DETAIL
SCALE: 3" = 1'-0"



A9 TYP SLAB EPOXY DOWELS
SCALE: 3" = 1'-0"



A11 TYP SLAB ON GRADE
SCALE: 3" = 1'-0"

GMC
Goodwyn Mills Cawood, LLC
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T 205.879.4462
GMCNETWORK.COM

ISSUE | DATE
ISSUED FOR BID | 2026.11.06

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

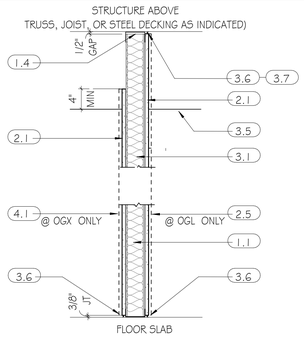
ACCS 2025 130 ESCC
GMC ABHM250051

STATE OF ALABAMA
PATRICK SWATEK
8969
REGISTERED ARCHITECT

TYPICAL ASSEMBLY TYPES

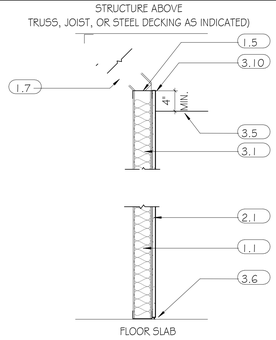
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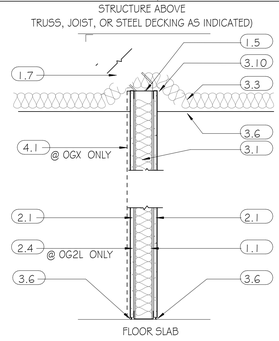
OG	0 HR. - GYPSUM
OG5	0 HR. - GYPSUM - SMOKE RESISTIVE
OGX	0 HR. - GYPSUM - XTRA LAYER GYP ONE SIDE
OGL	0 HR. - GYPSUM - LEAD LINED

DRAWING MARK	DESCRIPTION	U.L. # / STC	N/A / 47



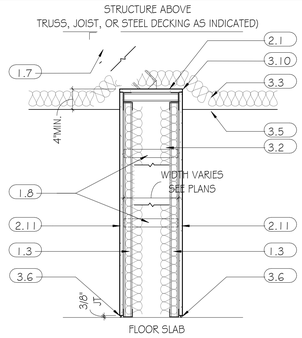
OG1	0 HR. - GYPSUM - 1 SIDED

DRAWING MARK	DESCRIPTION	U.L. # / STC	---- / --



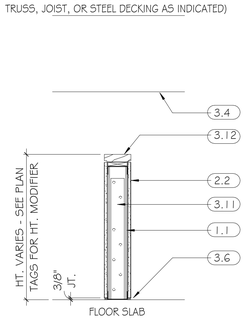
OG2	0 HR. - GYPSUM - 2 SIDED
OG2L	0 HR. - GYPSUM - 2 SIDED - LEAD LINED
OG2X	0 HR. - GYPSUM - 2 SIDED - XTRA LAYER GYP ONE SIDE

DRAWING MARK	DESCRIPTION	U.L. # / STC	N/A / 52



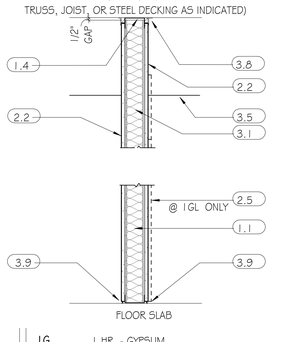
OGC	0 HR. - GYPSUM - CHASE

DRAWING MARK	DESCRIPTION	U.L. # / STC	N/A / --



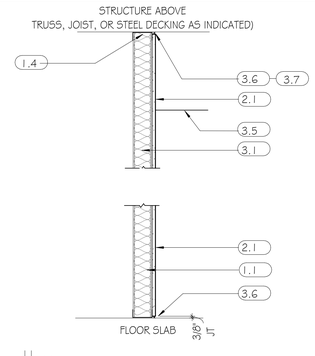
OGP /HT	0 HR. - GYPSUM - PARTIAL HEIGHT

DRAWING MARK	DESCRIPTION	U.L. # / STC	N/A / --



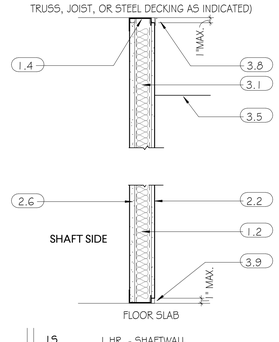
1G	1 HR. - GYPSUM
1G5	1 HR. - GYPSUM - SMOKE BARRIER
1GL	1 HR. - GYPSUM - LEAD LINED

DRAWING MARK	DESCRIPTION	U.L. # / STC	U465 / 49



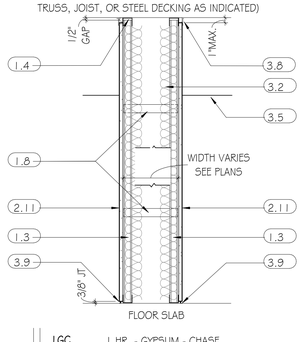
OG1D	0 HR. - GYPSUM - 1 SIDED TO DECK

DRAWING MARK	DESCRIPTION	U.L. # / STC	---- / --



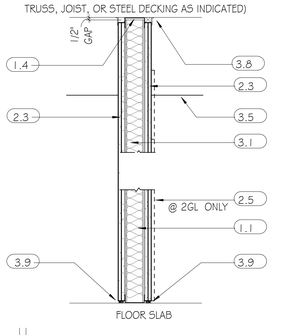
1S	1 HR. - SHAFTWALL
1S5	1 HR. - SHAFTWALL - SMOKE BARRIER

DRAWING MARK	DESCRIPTION	U.L. # / STC	U415-A / 52



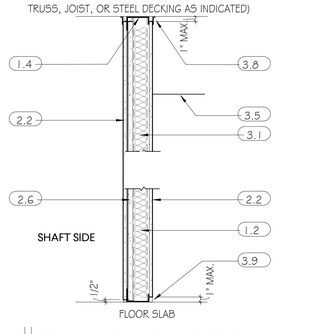
1GC	1 HR. - GYPSUM - CHASE

DRAWING MARK	DESCRIPTION	U.L. # / STC	U445 / 62



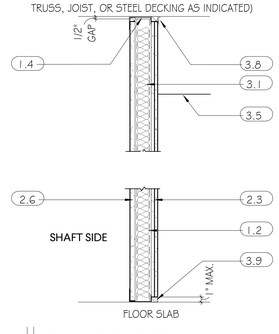
2G	2 HR. - GYPSUM
2G5	2 HR. - GYPSUM - SMOKE BARRIER
2GL	2 HR. - GYPSUM - LEAD LINED

DRAWING MARK	DESCRIPTION	U.L. # / STC	U411 / 52



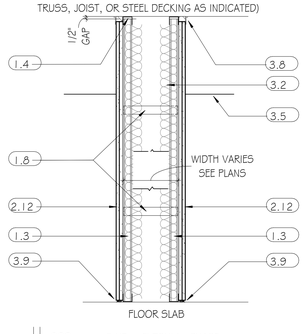
2SX	2 HR. - SHAFTWALL - EXIT STAIR
2S5X	2 HR. - SHAFTWALL - SMOKE BARRIER - EXIT STAIR

DRAWING MARK	DESCRIPTION	U.L. # / STC	U415-E / 52



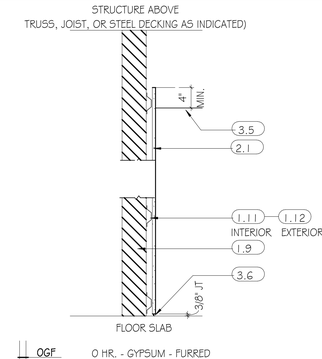
2S	2 HR. - SHAFTWALL
2S5	2 HR. - SHAFTWALL - SMOKE BARRIER

DRAWING MARK	DESCRIPTION	U.L. # / STC	U415-B / 52



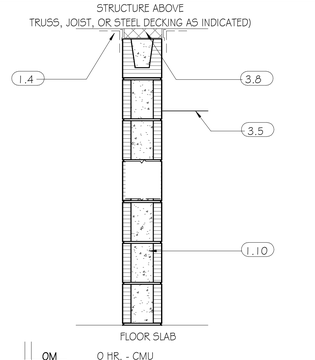
2GC	2 HR. - GYPSUM - CHASE

DRAWING MARK	DESCRIPTION	U.L. # / STC	U444 / 62



OGF	0 HR. - GYPSUM - FURRED
OGFX	0 HR. - GYPSUM - FURRED - EXTERIOR

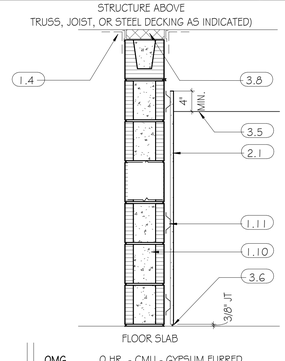
DRAWING MARK	DESCRIPTION	U.L. # / STC	N/A / N/A



0M	0 HR. - CMU
1M	1 HR. - CMU
2M	2 HR. - CMU

2M ONLY

DRAWING MARK	DESCRIPTION	U.L. # / STC	U905 / 50



0MG	0 HR. - CMU - GYPSUM FURRED
1MG	1 HR. - CMU - GYPSUM FURRED
2MG	2 HR. - CMU - GYPSUM FURRED

DRAWING MARK	DESCRIPTION	U.L. # / STC	U905 / 51

GENERAL NOTES - PARTITIONS

1. UL LISTED ASSEMBLIES
   - A. WHERE UL ASSEMBLY NUMBERS ARE REFERENCED ABOVE, PARTITIONS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH REQUIREMENTS SET FORTH BY THE UL FIRE RESISTANCE DIRECTORY. SEE UL ASSEMBLY DRAWINGS (BEGINNING WITH DRAWING G1.23) FOR DETAILED UL ASSEMBLY REQUIREMENTS. NO DEVIATION SHALL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY THE ARCHITECT.
2. FIRE BARRIERS, FIRE PARTITIONS, & SMOKE BARRIERS (FIRE-RATED)
   - A. ALL PERIMETER JOINTS MUST BE PROTECTED BY UL LISTED FIRE-RESISTANT JOINT SYSTEMS.
   - B. ALL PENETRATIONS OF RATED ASSEMBLIES MUST BE PROTECTED BY UL LISTED THROUGH-PENETRATION FIRESTOPPING ASSEMBLIES.
   - C. FIRE DAMPERS MUST PROTECT HVAC DUCT PENETRATIONS.
   - D. IDENTIFY FIRE WALLS, SMOKE BARRIERS, ETC., IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES, WITH STENCILED LETTERING IN COMPLIANCE WITH GENERAL NOTE 9.08 FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIER IDENTIFICATION ON DRAWING G1.02, GENERAL NOTES.
3. SMOKE PARTITIONS (NON-RATED)
   - A. ALL SMOKE PARTITIONS SHALL BE CONSTRUCTED SO AS TO RESIST THE PASSAGE OF SMOKE AND SHALL MEET THE CONTINUITY REQUIREMENTS DEFINED BY IBC 710.4
   - B. ALL PERIMETER JOINTS MUST BE SEALED WITH AIRTIGHT SEALANT APPLICATION.
   - C. ALL PIPING, ELECTRICAL, AND DUCT PENETRATIONS MUST BE SEALED WITH AIRTIGHT SEALANT APPLICATION.
4. SOUND INSULATION
   - A. INSULATION THICKNESS SHALL MATCH CAVITY DEPTH UNLESS NOTED OTHERWISE.
   - B. INSULATE BEHIND RECESSED ITEMS IN ANY SCHEDULED ACOUSTIC PARTITIONS.
5. ACOUSTICAL SEALANT
   - A. AT ALL GYP BOARD AND METAL STUD PARTITIONS: REQUIRED AT BOTTOM AND TOP RUNNERS AND AT WALL ANGLES WHERE DISSIMILAR MATERIALS MEET (SEE DETAILS).
   - B. AT SCHEDULED ACOUSTIC PARTITIONS: AIRTIGHT SEAL IS REQUIRED AT ALL PENETRATIONS.
   - C. ELECTRICAL AND OTHER BOXES TO BE WRAP-SEALED (SEE DETAILS).
6. PARTITION COORDINATION WITH OTHER TRADES
   - A. GENERAL CONTRACTOR AND SUBCONTRACTORS MUST COMPLY WITH GENERAL NOTE 9.07, PARTITION COORDINATION WITH OTHER TRADES ON DRAWING G1.02, GENERAL NOTES.

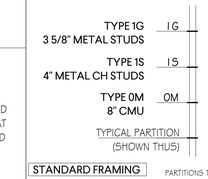
IMPORTANT NOTE

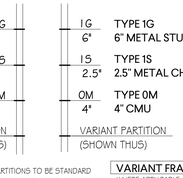
1. GENERAL NOTE REGARDING THE USE OF THIS DRAWING
   - A. THIS DRAWING ILLUSTRATES THE FULL ARRAY OF STANDARD PARTITION TYPES USED BY GMC AND IS INTENDED TO BE PUBLISHED IN ITS ENTIRETY FOR REFERENCE .....HOWEVER,....BE ADVISED THAT NOT ALL PARTITION TYPES SHOWN ON THIS DRAWING WILL BE USED IN EVERY PROJECT.
   - B. PARTITION TYPES USED IN THIS PROJECT ARE AS TAGGED AND/OR AS NOTED ON THE FLOOR PLANS.
   - C. DO NOT SPEND TIME SEARCHING FOR UNUSED PARTITION TYPES ON THE FLOOR PLANS AS YOU WILL NOT FIND THEM.

NUMBERED NOTES

- 1.1 METAL STUDS 16" OC. DOUBLE-STUD JAMBS FULL HT. AT DOOR OPENINGS
- 1.2 SHAFTWALL STUDS 24" OC
- 1.3 PLUMBING CHASE. 1-5/8" METAL STUDS 16" OC IN TWO ROWS. WIDTH VARIES
- 1.4 DEFLECTION TRACK (0.0329" MTL. THICKNESS). MAINTAIN MIN. 1/2" STUD GAP
- 1.5 CONTINUOUS TOP TRACK (0.0329" METAL THICKNESS)
- 1.6 RESILIENT CHANNELS 24" OC VERTICAL
- 1.7 STUD BRACING MIN. 48 IN. OC (24" OC AT WALL-HUNG CABINETS)
- 1.8 STEEL STUD OR RUNNER BRACING, FULL WIDTH OF CAVITY, 48" OC VERT. MAX
- 1.9 NEW OR EXISTING SUBSTRATE
- 1.10 CMU (UL LISTED WHERE APPLICABLE). SEE STRUCTURAL FOR REINFORCING, LINTEL, AND TOP BRACING REQUIREMENTS
- 1.11 AT INTERIOR FURRING: 7/8 IN. HAT-SHAPED METAL FURRING
- 1.12 AT EXTERIOR (PERIMETER) FURRING: 2 IN. METAL Z-FURRING W/ MIN. R-8 BOARD INSUL.
- 2.1 ONE LAYER 5/8 IN. GYP. BD
- 2.2 ONE LAYER 5/8 IN. TYPE 'X' GYP. BD
- 2.3 TWO LAYERS 5/8 IN. TYPE 'X' GYP. BD
- 2.4 LEAD LINED GYP. BD. TO MIN. 7'-6" AFF ON ROOM SIDE. INSTALL 5/8" GYP. BD. ABOVE 7'-6" UP TO SCHEDULED PARTITION HEIGHT
- 2.5 ADD'L. LAYER LEAD-LINED GYP. BD. TO MIN. 7'-6" AFF ON ROOM SIDE. INSTALL 5/8" GYP. BD. ABOVE 7'-6" UP TO SCHEDULED PARTITION HEIGHT
- 2.6 1 IN. THICK GYPSUM LINER PANEL
- 2.7 ONE LAYER 5/8 IN. TYPE 'X' GYP. BD. EACH SIDE (ABOVE CEILING)
- 2.8 TWO LAYERS 5/8 IN. TYPE 'X' GYP. BD. EACH SIDE (ABOVE CEILING)
- 2.9 & 2.10 NOT USED
- 2.11 ONE LAYER 5/8" TYPE 'X' GLASS-MAT BACKER BOARD WITH THIN-SET TILE UP TO CEILING. TRANSITION TO 5/8" TYPE 'X' MR GYP BOARD FROM ABOVE CEILING TO STRUCTURE ABOVE
- 2.12 ONE LAYER 5/8" TYPE 'X' MR GYP. BD. PLUS ONE LAYER 5/8" TYPE 'X' GLASS-MAT BACKER BOARD WITH THIN-SET TILE UP TO CEILING. TRANSITION TO 5/8" TYPE 'X' MR GYP BOARD FROM ABOVE CEILING TO STRUCTURE ABOVE
- 3.1 SOUND ATTENUATION BATT INSULATION. 3.5" THICK
- 3.2 SOUND ATTENUATION BATT INSULATION BOTH SIDES OF STUD CAVITY. 3.5" THICK
- 3.3 SOUND ATTENUATION BATT INSULATION. 3.5" THICK. DRAPE OVER & EXTEND 4 FT. EACH SIDE OF PARTITION
- 3.4 CEILING. SEE CEILING PLAN FOR TYPES / LOCATIONS
- 3.5 ACOUSTICAL CEILING PANELS. WHERE PANELS W/ COMBINED NRC/CAC RATINGS OF .70/35 (OR BETTER) ARE USED, DRAPED INSULATION MAY BE OMITTED
- 3.6 ACOUSTICAL SEALANT JOINT. PROVIDE CONT. BEAD UNDER EACH LAYER GYP BD
- 3.7 ACOUSTICAL SEALANT JOINT. AT FLUTED DECKS, COPE GYP. BD. TO UNDERSIDE OF DECK. FILL VOIDS W/ INSULATION. APPLY ACOUSTICAL SEALANT CONT. AT JOINT
- 3.8 UL LISTED FIRE-RESISTANCE RATED HW (HEAD OF WALL) JOINT
- 3.9 UL LISTED FIRE-RESISTANCE RATED BW (BOTTOM OF WALL) JOINT
- 3.10 EXTEND GYP BOARD TO TOP OF TRACK TO ESTABLISH A DRAFT STOP ASSEMBLY. CONDUIT TURNOUTS AND ELECTRICAL BOXES MUST STAND CLEAR OF MET. STUDS TO ALLOW FOR APPLICATION OF UNINTERRUPTED GYPSUM MEMBRANE
- 3.11 STEEL BENT PLATE END WALL SUPPORT. SEE JAMB/END POST DETAIL ON G0.22
- 3.12 WALL CAP. SEE DETAILS ELSEWHERE IN DRAWINGS
- 4.1 INSTALL 2 LAYERS 5/8" GYP BOARD ON RADIOGRAPHY ROOM SIDE OF PARTITION (EXTEND 2ND LAYER UP TO 4" ABOVE CEILING)

PARTITION KEY





STANDARD FRAMING
3 5/8" METAL STUDS •
4" METAL CH STUDS •
8" CMU •

PARTITIONS TO BE STANDARD FRAMING EXCEPT WHERE VARIANT FRAMING SIZE IS INDICATED

VARIANT FRAMING
• WHERE APPLICABLE, SIZE IS SHOWN IN INCHES BELOW PARTITION TYPE

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GMC ABHM250051

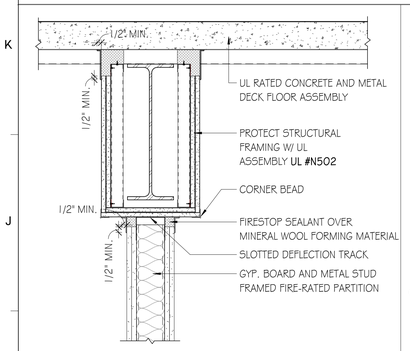
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PARTITION TYPES

G0.21

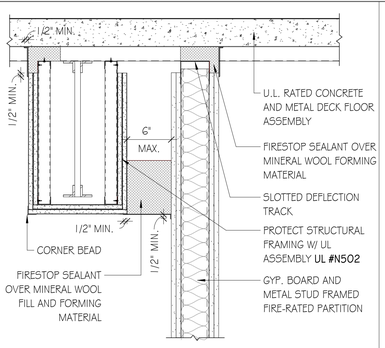
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HEAD OF WALL FIRESTOPPING



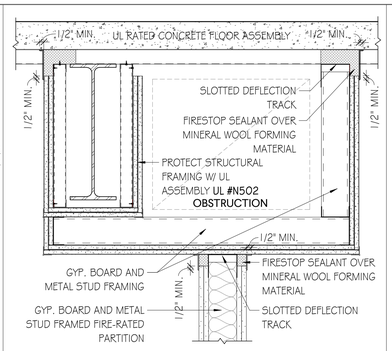
ENGINEERING JUDGEMENT (HILTI) #554953a
(1 & 2 HOUR, 2 1/2" WIDTH, 50% MOVEMENT)

H1 WALL PARALLEL TO BEAM
SCALE: 1 1/2" = 1'-0"



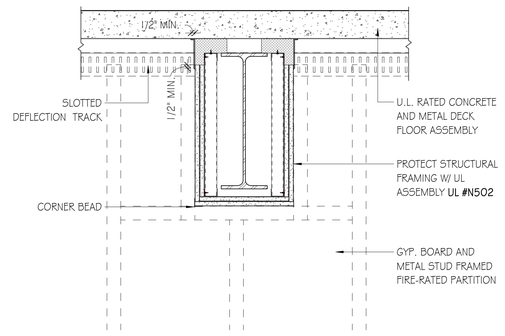
ENGINEERING JUDGEMENT (HILTI) #554890a
(1 & 2 HOUR, 2 1/2" WIDTH, 33% MOVEMENT)

H3 WALL OFFSET @ STL. STRUCT.
SCALE: 1 1/2" = 1'-0"



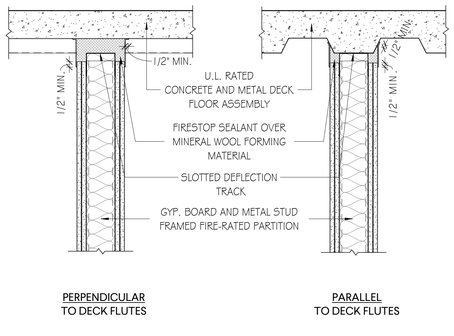
ENGINEERING JUDGEMENT (HILTI) #554946a
(1 & 2 HOUR, 2 1/2" WIDTH, 50% MOVEMENT)

H5 WALL OFFSET@OBSTRUCTION
SCALE: 1 1/2" = 1'-0"



ENGINEERING JUDGEMENT (HILTI) #554951a
(1 & 2 HOUR, 2 1/2" WIDTH, 50% MOVEMENT)

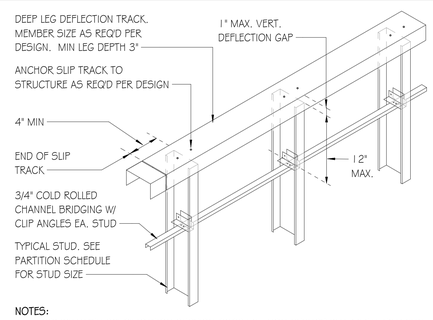
H7 WALL PERPENDICULAR TO BEAM
SCALE: 1 1/2" = 1'-0"



UL# HW-D-0042
(1 & 2 HOUR, 1" WIDTH, 50% MOVEMENT)

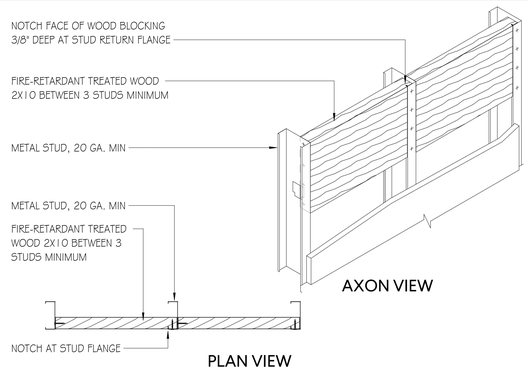
UL# HW-D-0049
(1 & 2 HOUR, 1" WIDTH, 50% MOVEMENT)

H10 RATED PARTITION @ METAL DECK
SCALE: 1 1/2" = 1'-0"



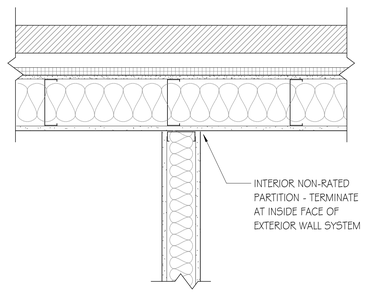
NOTES:
1. COMPLY WITH SPECIFICATION SECTION 092216 - NON-STRUCTURAL METAL FRAMING.
2. PROVIDE 3/4" CR CHANNEL BRIDGING AT 12" MAX. FROM TOP OF WALL.
3. PROVIDE ADDITIONAL 3/4" CR CHANNEL BRIDGING AT 48" OC VERT AT FULL HEIGHT ONE-SIDED PARTITIONS (GYP BOARD ONE SIDE ONLY), OR AS REQ'D PER DESIGN.

E7 SLIP TRACK DETAIL
SCALE: 1 1/2" = 1'-0"

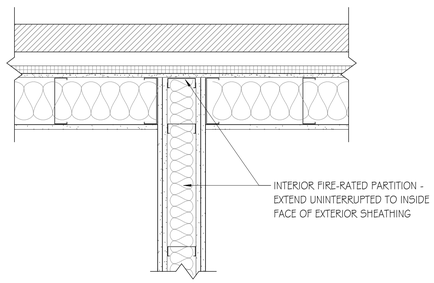


E10 BLOCKING DETAIL
SCALE: 1 1/2" = 1'-0"

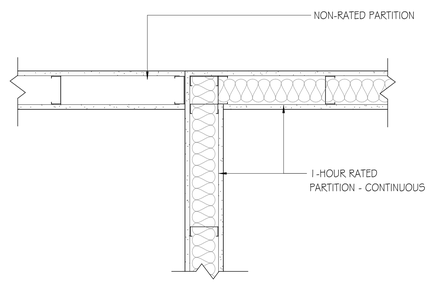
WALL PRIORITY DIAGRAMS



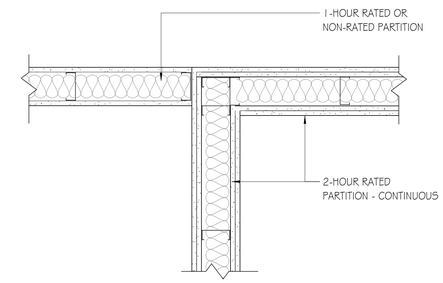
C1 NON-RATED PARTITION @ EXT. WALL
SCALE: 1 1/2" = 1'-0"



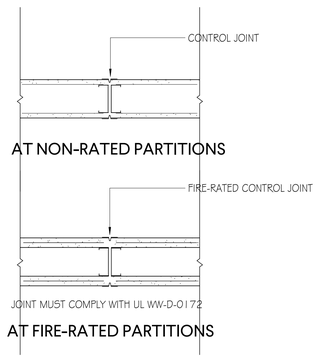
C4 RATED PARTITION @ EXT. WALL
SCALE: 1 1/2" = 1'-0"



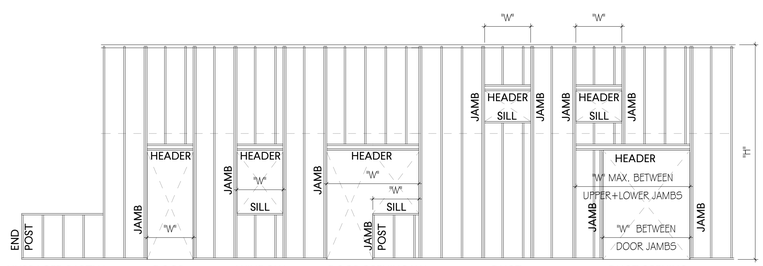
C7 PARTITION INTERSECTION 1
SCALE: 1 1/2" = 1'-0"



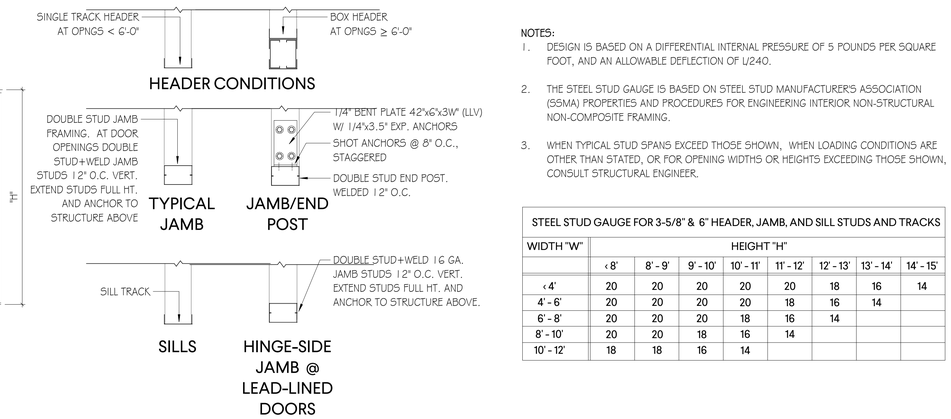
C10 PARTITION INTERSECTION 2
SCALE: 1 1/2" = 1'-0"



A1 CONTROL JOINT DETAILS
SCALE: 1 1/2" = 1'-0"



A4 STUD FRAMING DETAILS
SCALE: 1 1/2" = 1'-0"



NOTES:
1. DESIGN IS BASED ON A DIFFERENTIAL INTERNAL PRESSURE OF 5 POUNDS PER SQUARE FOOT, AND AN ALLOWABLE DEFLECTION OF L/240.
2. THE STEEL STUD GAUGE IS BASED ON STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA) PROPERTIES AND PROCEDURES FOR ENGINEERING INTERIOR NON-STRUCTURAL NON-COMPOSITE FRAMING.
3. WHEN TYPICAL STUD SPANS EXCEED THOSE SHOWN, WHEN LOADING CONDITIONS ARE OTHER THAN STATED, OR FOR OPENING WIDTHS OR HEIGHTS EXCEEDING THOSE SHOWN, CONSULT STRUCTURAL ENGINEER.

STEEL STUD GAUGE FOR 3-5/8" & 6" HEADER, JAMB, AND SILL STUDS AND TRACKS

WIDTH "W"	HEIGHT "H"							
	‹ 8'	8' - 9'	9' - 10'	10' - 11'	11' - 12'	12' - 13'	13' - 14'	14' - 15'
‹ 4'	20	20	20	20	20	18	16	14
4' - 6'	20	20	20	20	18	16	14	
6' - 8'	20	20	20	18	16	14		
8' - 10'	20	20	18	16	14			
10' - 12'	18	18	16	14				

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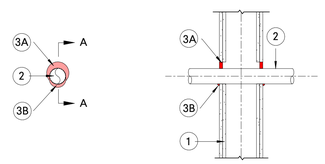
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PARTITION DETAILS

G0.22

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1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
SINGLE METALLIC PIPE, CONDUIT, OR TUBING
A) FIRESTOP SEALANT IN ANNULAR SPACE MIN. 5/8" TH. TOOLED FLUSH W/ BOTH WALL SURFACES. **B)** FIRESTOP SEALANT MIN. 1/2" BEAD APPLIED AT POINT OF CONTACT LOCATION

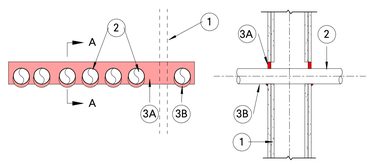


SECTION A-A

SINGLE UNINSULATED METAL PIPE THRU GYPSUM BOARD PARTITION

A	W-L-1054
B	W-L-1001
C	W-L-1088

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
MULTIPLE METALLIC PIPES OR CONDUITS IN A SINGLE LAYER, NOMINAL 2" DIA. MAX.
A) FIRESTOP SEALANT IN ANNULAR SPACE MIN. 5/8" TH. TOOLED FLUSH W/ BOTH WALL SURFACES. **B)** FIRESTOP SEALANT MIN. 1/2" BEAD APPLIED AT POINT OF CONTACT LOCATION

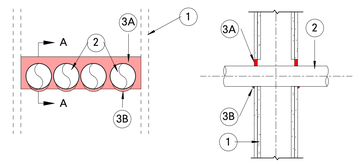


SECTION A-A

MULTIPLE PENETRATIONS THRU GYPSUM BOARD PARTITION

A	W-L-1389
B	W-L-1228
C	W-L-1168

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
MULTIPLE METALLIC PIPES OR CONDUITS IN A SINGLE LAYER, NOMINAL 4" DIA. MAX.
A) FIRESTOP SEALANT IN ANNULAR SPACE MIN. 5/8" TH. TOOLED FLUSH W/ BOTH WALL SURFACES. **B)** FIRESTOP SEALANT MIN. 1/2" BEAD APPLIED AT POINT OF CONTACT LOCATION

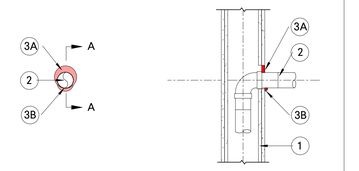


SECTION A-A

MULTIPLE PENETRATIONS THRU GYPSUM BOARD PARTITION

A	W-L-1408
B	W-L-1474
C	W-L-1168

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
SINGLE METALLIC PIPES OR CONDUITS, NOMINAL 5" DIA. MAX. OR, COPPER 1" DIA. MAX.
A) FIRESTOP SEALANT IN ANNULAR SPACE MIN. 5/8" TH. TOOLED FLUSH W/ BOTH WALL SURFACES. **B)** FIRESTOP SEALANT MIN. 1/2" BEAD APPLIED AT POINT OF CONTACT LOCATION

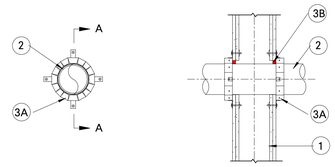


SECTION A-A

MEMBRANE PENETRATIONS THRU GYPSUM BOARD PARTITION

A	W-L-1410
B	W-L-1353
C	---------

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
SINGLE NONMETALLIC PIPE, CONDUIT, OR TUBING, MAX. DIA. VARIES W/ PIPE MATERIAL
FIRESTOP SYSTEM TO CONSIST OF: **A)** FIRESTOP DEVICE - FIRESTOP COLLAR TO BE INSTALLED PER MFGRS INSTRUCTIONS. **B)** FIRESTOP SEALANT IN ANNULAR SPACE MIN 1/2" TH, TOOLED FLUSH W/ BOTH WALL SURFACES.

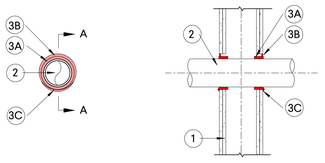


SECTION A-A

SINGLE NONMETALLIC PIPE THRU GYPSUM BOARD PARTITION

A	W-L-2078
B	W-L-2073
C	W-L-2029

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
SINGLE NONMETALLIC PIPE, MAX. DIA. VARIES W/ PIPE MATERIAL
FIRESTOP SYSTEM TO CONSIST OF: **A)** INTUMESCENT WRAP STRIP. **B)** FIRESTOP SEALANT IN ANNULAR SPACE MIN 1/4" TH TOOLED FLUSH W/ BOTH WALL SURFACES. **C)** FIRESTOP SEALANT AT WRAP STRIP / GYP WALL INTERFACE (AT 2 HR FIRE-RATED WALLS)

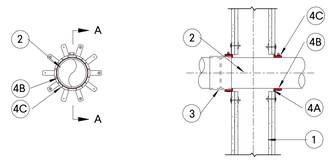


SECTION A-A

SINGLE NONMETALLIC PIPE THRU GYPSUM BOARD PARTITION

A	W-L-2406
B	W-L-2553
C	W-L-2506

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
SINGLE NONMETALLIC PIPE, MAX. 4" DIA.
NONMETALLIC PIPE COUPLING (OPTIONAL)
FIRESTOP SYSTEM TO CONSIST OF: **A)** FIRESTOP SEALANT IN ANNULAR SPACE MIN 1/4" TH. TOOLED FLUSH W/ BOTH WALL SURFACES. **B)** INTUMESCENT WRAP STRIP. **C)** GALV STEEL COLLAR. **D)** FIRESTOP COLLAR (NOT SHOWN) AS AN ALTERNATIVE TO 4B+4C.

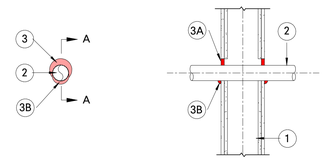


SECTION A-A

SINGLE NONMETALLIC PIPE THRU GYPSUM BOARD PARTITION

A	W-L-2411
B	W-L-2397
C	W-L-2637

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
SINGLE NONMETALLIC PIPE, CONDUIT, OR TUBING, NOM. 2" DIA. MAX.
FIRESTOP SYSTEM TO CONSIST OF: **A)** FIRESTOP SEALANT IN ANNULAR SPACE MIN. 5/8" TH. TOOLED FLUSH W/ BOTH WALL SURFACES. **B)** FIRESTOP SEALANT MIN. 5/8" BEAD APPLIED AT POINT OF CONTACT LOCATION

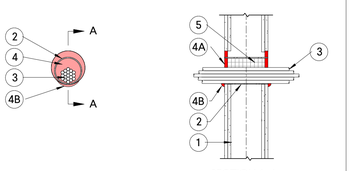


SECTION A-A

SINGLE NONMETALLIC PIPE THRU GYPSUM BOARD PARTITION

A	W-L-2474
B	W-L-2299
C	W-L-2241

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
SINGLE METALLIC PIPES OR CONDUITS IN A SINGLE LAYER, NOMINAL 4" DIA. MAX.
A) FIRESTOP SEALANT IN ANNULAR SPACE MIN. 5/8" TH. TOOLED FLUSH W/ BOTH WALL SURFACES. **B)** FIRESTOP SEALANT MIN. 1/2" BEAD APPLIED AT POINT OF CONTACT LOCATION

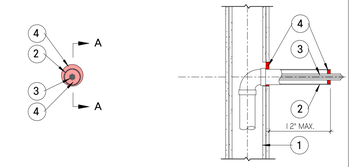


SECTION A-A

SINGLE OR BUNDLED CABLE THRU GYPSUM BOARD PARTITION

A	W-L-3065
B	W-L-3031
C	W-L-3133

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
METALLIC SLEEVE, NOM. 4" DIA. MAX.
SINGLE OR BUNDLED CABLES (MAX 30% CROSS SECTION OF SLEEVE)
FIRESTOP SYSTEM TO CONSIST OF: **A)** FIRESTOP SEALANT IN ANNULAR SPACE MIN. 5/8" TH. TOOLED FLUSH W/ BOTH WALL SURFACES. **B)** FIRESTOP SEALANT MIN. 1/2" BEAD APPLIED AT POINT OF CONTACT LOCATION.
MINERAL WOOL PACKING MATERIAL (OPTIONAL)



SECTION A-A

SINGLE OR BUNDLED CABLE THRU GYPSUM BOARD PARTITION

A	W-L-3320
B	W-L-3426
C	W-L-3427

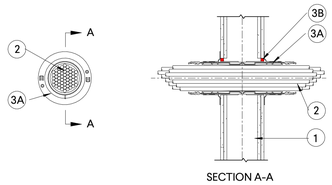
1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
SINGLE METALLIC PIPE, CONDUIT, OR TUBING, NOM. 3" DIA.
CABLE BUNDLE
FIRESTOP SEALANT IN ANNULAR SPACE MIN. 5/8" TH. TOOLED FLUSH W/ FACE OF WALL & PIPE

SECTION A-A

SINGLE OR BUNDLED CABLE THRU GYPSUM BOARD PARTITION

A	W-L-3320
B	W-L-3426
C	W-L-3427

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
SINGLE OR BUNDLED CABLES (0 TO 100% VISUAL FILL)
FIRESTOP SYSTEM TO CONSIST OF: **A)** FIRESTOP DEVICE - CORRUGATED STEEL TUBE W/ AN INNER PLASTIC HOUSING, INTUMESCENT MATERIAL RINGS 4 TWISTED FABRIC SMOKE SEAL INSTALLED PER MFGRS INSTRUCTIONS. **B)** FIRESTOP SEALANT IN ANNULAR SPACE MIN. 5/8" TH. TOOLED FLUSH W/ BOTH WALL SURFACES.

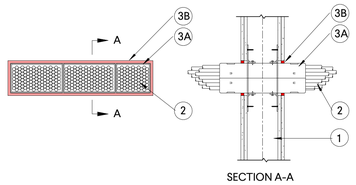


SECTION A-A

SINGLE OR BUNDLED CABLE THRU GYPSUM BOARD PARTITION

A	W-L-3335
B	W-L-3289
C	W-L-3377

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
BUNDLED CABLES (0 TO 100% VISUAL FILL)
FIRESTOP SYSTEM TO CONSIST OF: **A)** FIRESTOP DEVICE - MODULAR FIRE SLEEVE CONSISTING OF AN OUTER SLEEVE, ONE OR MORE DEVICES MAY BE GANGED TOGETHER. INSTALL PER MFGRS INSTRUCTIONS. **B)** FIRESTOP SEALANT IN ANNULAR SPACE MIN. 5/8" TH. TOOLED FLUSH W/ BOTH WALL SURFACES.

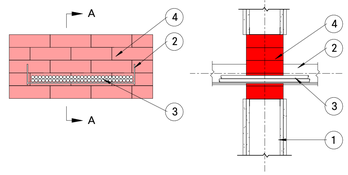


SECTION A-A

SINGLE OR BUNDLED CABLE THRU GYPSUM BOARD PARTITION

A	W-L-3483
B	W-L-3289
C	W-L-3306

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY W/ STUD-FRAMED TRAY OPNG
CABLE TRAY - MAX. 24" W. X 6" DP.
CABLES - AGGREGATE CROSS-SECTIONAL AREA OF CABLES IN CABLE TRAY NOT TO EXCEED 45% CROSS-SECTIONAL AREA OF TRAY
FIRESTOP SYSTEM - INTUMESCENT FIRE BLOCKS FIRMLY PACKED WITHIN OPNG.

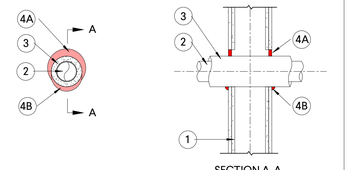


SECTION A-A

CABLE TRAY THRU GYPSUM PARTITION

A	W-L-4011
B	W-L-4037
C	W-L-4008

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
SINGLE METALLIC PIPE, OR TUBING, MAX. 4" DIA. (STEEL), MAX. 2" DIA. (COPPER)
TUBE INSULATION, PLASTIC, MAX. 1" TH.
FIRESTOP SYSTEM TO CONSIST OF: **A)** FIRESTOP SEALANT IN ANNULAR SPACE MIN 5/8" TH TOOLED FLUSH W/ BOTH WALL SURFACES. **B)** FIRESTOP SEALANT MIN 5/8" BEAD APPLIED AT POINT OF CONTACT LOCATION

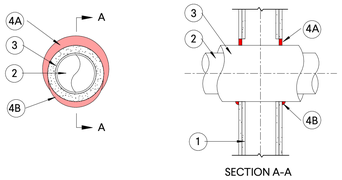


SECTION A-A

INSULATED METAL PIPE THRU GYPSUM BOARD PARTITION

A	W-L-5028
B	W-L-5169
C	W-L-5054

1, 2, OR 3 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
SINGLE METALLIC PIPE, OR TUBING, MAX. 12" DIA. (STEEL), MAX. 6" DIA. (COPPER)
TUBE INSULATION, PLASTIC, MAX. 2" TH.
FIRESTOP SYSTEM TO CONSIST OF: **A)** FIRESTOP SEALANT IN ANNULAR SPACE MIN 5/8" TH TOOLED FLUSH W/ BOTH WALL SURFACES. **B)** FIRESTOP SEALANT MIN 5/8" BEAD APPLIED AT POINT OF CONTACT LOCATION



SECTION A-A

INSULATED METAL PIPE THRU GYPSUM BOARD PARTITION

A	W-L-5029
B	W-L-5040
C	W-L-5014

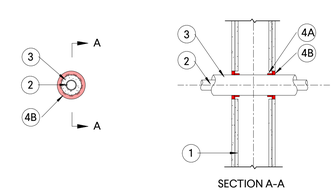
1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
SINGLE NONMETALLIC PIPE, CONDUIT, OR TUBING, MAX. DIA. VARIES W/ PIPE MATERIAL
FIRESTOP SYSTEM TO CONSIST OF: **A)** FIRESTOP DEVICE - FIRESTOP COLLAR TO BE INSTALLED PER MFGRS INSTRUCTIONS. **B)** FIRESTOP SEALANT IN ANNULAR SPACE MIN 1/2" TH, TOOLED FLUSH W/ BOTH WALL SURFACES.

SECTION A-A

INSULATED METAL PIPE THRU GYPSUM BOARD PARTITION

A	W-L-5029
B	W-L-5040
C	W-L-5014

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
SINGLE METALLIC PIPE OR TUBING, MAX. 2" DIA. (CPVC)
PIPE COVERING, NOM. 1" TH. HEAVY DENSITY GLASS FIBER, JACKETED
FIRESTOP SYSTEM TO CONSIST OF: **A)** INTUMESCENT WRAP STRIP. **B)** FIRESTOP SEALANT IN ANNULAR SPACE MIN 5/8" TH TOOLED FLUSH W/ BOTH WALL SURFACES.

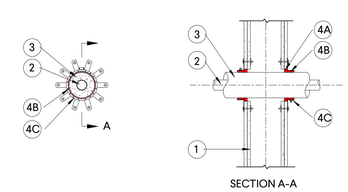


SECTION A-A

INSULATED NONMETALLIC PIPE THRU GYPSUM BOARD PARTITION

A	W-L-5294
B	W-L-5288
C	W-L-5290

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
SINGLE METALLIC PIPE OR TUBING, MAX. 2" DIA. (COPPER)
TUBE INSULATION, PLASTIC, MAX. 1-1/2" TH. ARMAFLEX FLEXIBLE FOAM TUBING
FIRESTOP SYSTEM TO CONSIST OF: **A)** FIRESTOP SEALANT IN ANNULAR SPACE MIN. 5/8" TH. TOOLED FLUSH W/ BOTH WALL SURFACES. **B)** INTUMESCENT WRAP STRIP. **C)** STEEL COLLAR, AS TESTED IN THIS ASSEMBLY.

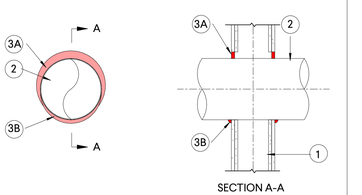


SECTION A-A

INSULATED METALLIC PIPE THRU GYPSUM BOARD PARTITION

A	W-L-5383
B	---------
C	W-L-2498

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
GALV. STEEL DUCT INSTALLED W/ ANNULAR SPACE OF 0" TO 1-1/2" MAX.
FIRESTOP SYSTEM TO CONSIST OF: **A)** FIRESTOP SEALANT IN ANNULAR SPACE MIN. 5/8" TH. TOOLED FLUSH W/ BOTH WALL SURFACES. **B)** FIRESTOP SEALANT MIN. 1/2" BEAD APPLIED AT POINT OF CONTACT LOCATION.

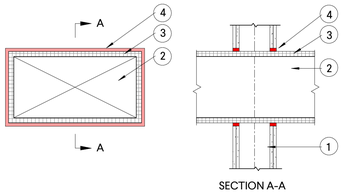


SECTION A-A

INSULATED METALLIC PIPE THRU GYPSUM BOARD PARTITION

A	W-L-7042
B	W-L-7045
C	W-L-7026

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
STEEL DUCT, MIN. 24 GA., NOM. 24" X 12" OR SMALLER
BATT OR BLANKET INSULATION, MAX. 1-1/2" TH., FOIL-JACKETED
FIRESTOP SEALANT IN ANNULAR SPACE MIN. 5/8" TH. TOOLED FLUSH W/ BOTH WALL SURFACES .

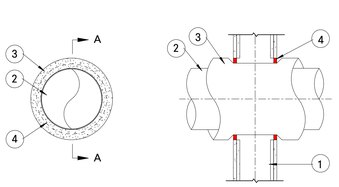


SECTION A-A

INSULATED HVAC DUCT THRU GYPSUM BOARD PARTITION

A	W-L-7059
B	W-L-7195
C	W-L-7178

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
STEEL DUCT, MIN. .209 DIA.MAX,24 GA.MIN.(SPIRAL DUCT) OR 12" DIA.MAX,28 GA.MIN.(SHEET METAL DUCT)
DUCT INSULATION, NOM.1-1/2" OR 2" TH. GLASS FIBER, FOIL JACKETED. COMPRESS 50% @ ANNULAR SPACE SUCH THAT ANNULAR SPACE SHALL BE MIN. 1/2" TO MAX. 1-1/2"
FIRESTOP SEALANT MIN. 5/8" BEAD APPLIED AT POINT OF CONTACT LOCATION, TOOLED FLUSH W/ BOTH WALL SURFACES.

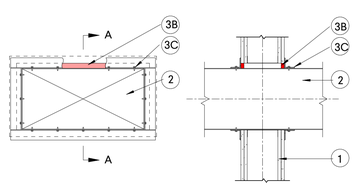


SECTION A-A

INSULATED HVAC DUCT THRU GYPSUM BOARD PARTITION

A	W-L-7153
B	W-L-7177
C	W-L-7179

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
STEEL DUCT, MAX. 100" X 100" INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM W/ 2" MAX. DIMENSION TO EDGE OF FRAMED OPENING
FIRESTOP SYSTEM TO CONSIST OF: **A)** PACKING MATERIAL FITTED INTO ANNULAR SPACE (OPTIONAL, NOT SHOWN), **B)** FIRESTOP SEALANT IN ANNULAR SPACE MIN. 5/8" TOOLED FLUSH W/ BOTH WALL SURFACES AND, **C)** STEEL RETAINING ANGLES, MIN. 16 GA., SCREW-ANCHORED TO DUCT MIN. 6" O.C.

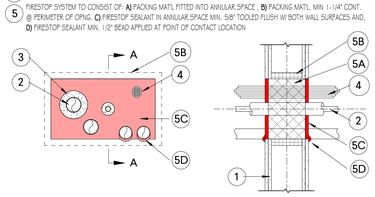


SECTION A-A

UNINSULATED HVAC DUCT THRU GYPSUM BOARD PARTITION

A	W-L-7155
B	W-J-7169
C	W-L-7056

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY W/ STUD-FRAMED TRAY OPNG
ONE OR MORE PIPES, CONDUIT, OR TUBES INSTALLED WITHIN THE OPENING
PIPE INSULATION. ONE OR MORE PENETRANTS MAY BE INSULATED W/ MATLS AS TESTED IN THIS ASSY.
CABLES - ONE CABLE BUNDLE, MAX 3" DIA., OF TYPES 4 QUANTITYES AS TESTED IN THIS ASSY.
FIRESTOP SYSTEM TO CONSIST OF: **A)** PACKING MATL FITTED INTO ANNULAR SPACE , **B)** PACKING MATL. MIN 1-1/4" CONT. @ PERIMETER OF OPNG. **C)** FIRESTOP SEALANT IN ANNULAR SPACE MIN. 5/8" TOOLED FLUSH W/ BOTH WALL SURFACES AND, **D)** FIRESTOP SEALANT MIN. 1/2" BEAD APPLIED AT POINT OF CONTACT LOCATION

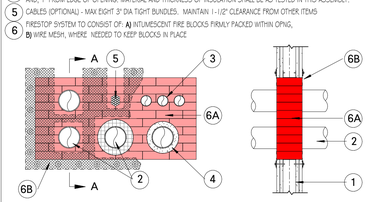


SECTION A-A

MULTIPLE PENETRATIONS THRU GYPSUM BOARD PARTITION

A	W-L-8079
B	W-L-8010
C	W-L-8026

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
ONE OR MORE METALLIC PIPES, CONDUITS, OR TUBING, SPACED MIN 1", 4 MAX 26" APART, MAY BE INSTALLED WITHIN OPENING. MATERIAL AND SIZE OF PENETRATING ITEMS AS TESTED IN THIS ASSEMBLY
ONE OR MORE NONMETALLIC PENETRANTS MAY BE INCLUDED WITH THE OPENING. MATERIAL AND SIZE OF PENETRATING ITEMS SHALL BE AS TESTED IN THIS ASSEMBLY.
PIPE INSULATION (OPTIONAL) - AT ONE OR MORE METALLIC PIPES OR TUBES. MAINTAIN MIN. 1-1/2" BETWEEN OTHER PENETRANTS AND, 1" FROM EDGE OF OPENING. MATERIAL AND THICKNESS OF INSULATION SHALL BE AS TESTED IN THIS ASSEMBLY.
CABLES (OPTIONAL) - MAX EIGHT 3" DIA TIGHT BUNDLES. MAINTAIN 1-1/2" CLEARANCE FROM OTHER ITEMS
FIRESTOP SYSTEM TO CONSIST OF: **A)** INTUMESCENT FIRE BLOCKS FIRMLY PACKED WITHIN OPNG, **B)** WIRE MESH, WHERE NEEDED TO KEEP BLOCKS IN PLACE

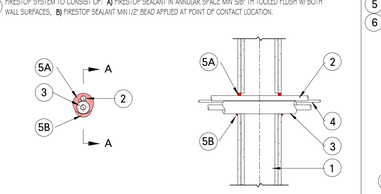


SECTION A-A

MULTIPLE PENETRATIONS THRU GYPSUM WALL ASSEMBLY

A	W-L-8095
B	W-L-8106
C	W-L-8045

1 OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
SINGLE METALLIC PIPE, CONDUIT, OR TUBING, NOM. 4" DIA. MAX.
SINGLE OR BUNDLED CABLES (MAX 30% CROSS SECTION OF SLEEVE)
FIRESTOP SYSTEM TO CONSIST OF: **A)** FIRESTOP SEALANT IN ANNULAR SPACE MIN. 5/8" TH. TOOLED FLUSH W/ BOTH WALL SURFACES. **B)** FIRESTOP SEALANT MIN. 1/2" BEAD APPLIED AT POINT OF CONTACT LOCATION.
MINERAL WOOL PACKING MATERIAL (OPTIONAL)



SECTION A-A

HVAC LINE SET THRU GYPSUM BOARD PARTITION

A	W-L-8141
B	W-L-8039
C	W-L-8025

GENERAL THRU-PENETRATION NOTES

1. GENERAL

A. ALL THROUGH-PENETRATION FIRESTOP WORK SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 078413 – PENETRATION FIRESTOP SYSTEMS.
B. THE DETAILS SHOWN HEREIN ILLUSTRATE FREQUENTLY ENCOUNTERED THROUGH-PENETRATION FIRESTOP CONDITIONS. THEY ARE GENERIC REPRESENTATIONS OF SYSTEMS AVAILABLE FROM SEVERAL MANUFACTURERS.
C. 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.
D. WHERE NO APPLICABLE UL DESIGN IS AVAILABLE FOR A PARTICULAR FIRESTOP CONFIGURATION, SUBMIT AN ENGINEERING JUDGMENT (EJ), OR EQUIVALENT FIRE RESISTANCE RATED ASSEMBLY (EFRRA), PREPARED BY THE FIRESTOP MANUFACTURER.

2. APPLICABILITY

A. 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).
B. ALL PIPING AND DUCTWORK SUBJECT TO MOVEMENT SHALL BE FIRESTOPPED WITH FLEXIBLE FIRE RATED SEALANT.
C. TO EXTENT THAT APPROPRIATE UL DESIGNS ARE AVAILABLE FOR SUBSTRATE REQUIRED, USE THE FOLLOWING APPROACH TO SELECTION OF SYSTEMS:
   1. FOR SIMPLE PENETRATIONS: ONE-PART FIRESTOP SEALANT
   2. FOR COMPLEX PENETRATIONS: FOAMED-IN-PLACE FIRESTOP SEALANT
   3. FOR INSULATED METAL PIPE: INTUMESCENT WRAP STRIP AND ONE-PART FIRESTOP SEALANT.
   4. FOR DUCTS OR VENTS:
   5. FOR CABLE TRAYS OR RACEWAYS:

3. SLEEVING

A. THE FOLLOWING PENETRATIONS MUST BE SLEEVED:
   1. SINGLE ROUND PENETRATIONS IN RATED CMU WALLS
   2. INSULATED PIPE PENETRATIONS IN RATED GYPSUM BOARD WALLS
   3. BUNDLED CABLE PENETRATIONS IN RATED GYPSUM BOARD WALLS
   4. ALL PENETRATIONS IN ELEVATED CONCRETE SLABS.
B. ALL SLEEVES SHALL BE METAL. PLASTIC IS NOT PERMITTED. THE JUNCTURE OF STEEL SLEEVES AND WALL SHALL BE SEALED WITH FLEXIBLE FIRE RATED SEALANT.

4. QUALITY ASSURANCE

A. COMPLY WITH "INSTALLER QUALIFICATIONS" AND "ON-SITE RESPONSIBLE PARTY" PROVISIONS OF SPECIFICATION SECTION 078413 – THROUGH-PENETRATION FIRESTOP SYSTEMS.
B. OBTAIN THROUGH-PENETRATION FIRESTOP SYSTEMS THROUGH ONE SOURCE FROM A SINGLE MANUFACTURER.
C. COMMENCE FIRESTOPPING WORK ONLY AFTER SUBMITTALS (INCLUDING MOCKUPS WHERE APPLICABLE) ARE APPROVED, AND PRE-INSTALLATION CONFERENCE IS SUCCESSFULLY CONCLUDED.

5. INSTALLATION - GENERAL

A. COMPLY WITH UL SYSTEM REQUIREMENTS AND FIRESTOPPING MANUFACTURERS' PRINTED INSTALLATION INSTRUCTIONS.
B. 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 EPTHS REQUIRED TO ACHIEVE FIRE RATINGS INDICATED.
C. INSTALL FILL MATERIALS BY PROVEN TECHNIQUES TO PRODUCE THE FOLLOWING RESULTS:
   1. FILL VOIDS AND CAVITIES FORMED BY OPENINGS, FORMING MATERIALS, ACCESSORIES, AND PENETRATING ITEMS AS REQUIRED TO ACHIEVE FIRE-RESISTANCE RATINGS INDICATED.
   2. APPLY MATERIALS SO THEY CONTACT AND ADHERE TO SUBSTRATES FORMED BY OPENINGS AND PENETRATING ITEMS.
D. FOR FILL MATERIALS THAT WILL REMAIN EXPOSED AFTER COMPLETING WORK, FINISH TO PRODUCE SMOOTH UNIFORM SURFACES THAT ARE FLUSH WITH ADJOINING FINISHES.
E. REMOVE COMBUSTIBLE FORMING MATERIALS, AND OTHER ACCESSORIES THAT ARE NOT INDICATED AS PERMANENT COMPONENTS OF FIRESTOP SYSTEMS. REMOVE EXCESS SEALANT FROM ADJOINING SURFACES.
F. IDENTIFY THROUGH PENETRATION FIRESTOP SYSTEMS WITH PERMANENTLY ATTACHED,PREPRINTED METAL OR PLASTIC LABELS, AS SPECIFIED.
G. 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

1. THE ILLUSTRATIONS ON THIS DRAWING REPRESENT FREQUENTLY ENCOUNTERED PENETRATION FIRESTOPPING CONDITIONS THROUGH FIRE-RATED FLOOR AND WALL ASSEMBLIES.

2. THE NUMBERS SHOWN BELOW ARE MANUFACTURERS' UL-TEST NUMBERS FOR EACH CONDITION.

3. THE KEY TO MANUFACTURERS (A, B, OR C) IS AS INDICATED BELOW.

KEY TO MANUFACTURERS

A	HILTI
B	3M
C	STI

GMC
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600 PLAZA DR,
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STATE OF ALABAMA
PATRICK SWATEK
8969
REGISTERED ARCHITECT

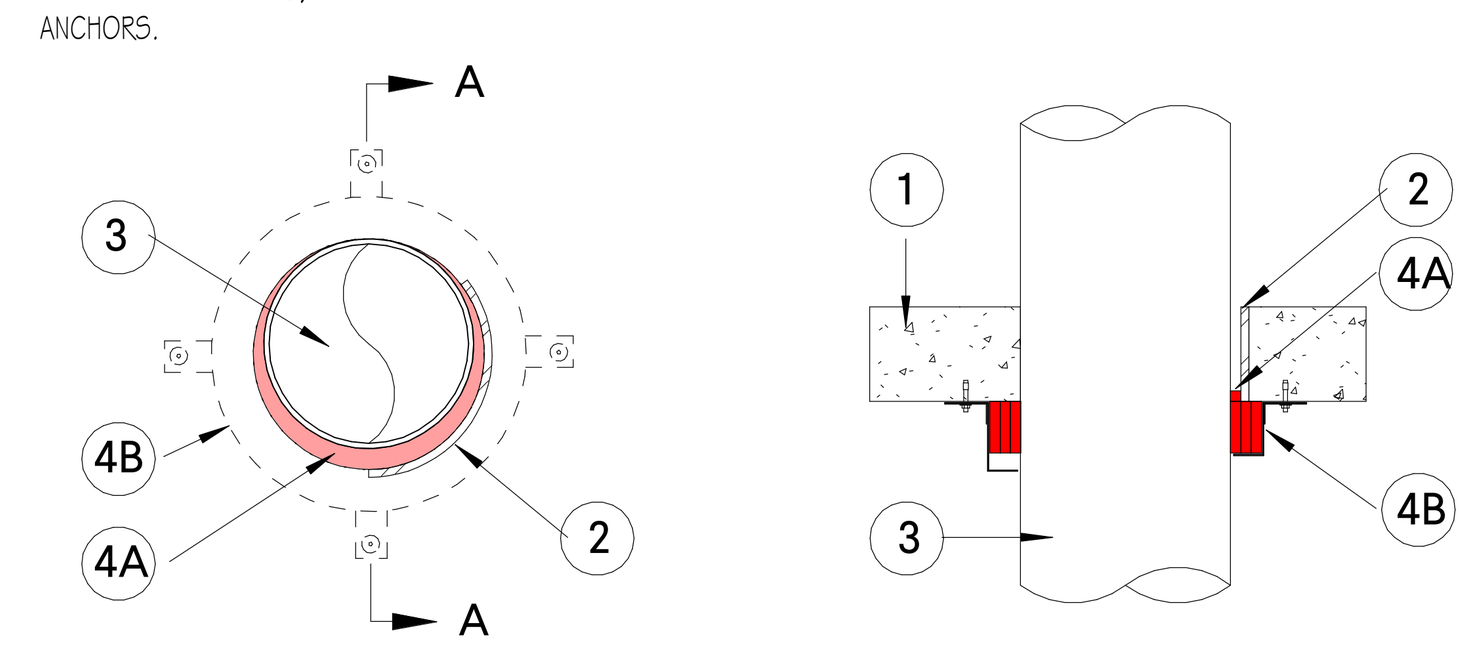
PENETRATION FIRESTOPPING - MET STUD WALLS

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SINGLE UNINSULATED METAL PIPE THRU CONC FLOOR/WALL OR CMU WALL

1. 3 HR FLOOR OR WALL ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR OR WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX DIA. OF OPNG IS 12".
2. STEEL SLEEVE (OPTIONAL) - NOM. 12" DIA. OR SMALLER STEEL PIPE, CAST W/ FLOOR OR WALL, FLUSH W/ FLOOR OR WALL, OR EXTEND MAX. 3" ABOVE FLOOR OR, BOTH SIDES OF WALL.
3. SINGLE NONMETALLIC PIPE INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN FIRESTOP SYSTEM. PIPE MAT'L AND SIZE SHALL BE AS TESTED IN THIS ASSEMBLY. ANNULAR SPACE: MIN 0", MAX 1/2" (FOR 6" PIPES), MIN 0", MAX 1-1/4" (FOR 8-10" PIPES)
4. FIRESTOP SYSTEM TO CONSIST OF: A) FIRESTOP SEALANT MIN. 1/2" TH APPLIED WITHIN ANNULUS FLUSH W/ TOP OR BOTTOM OF FLOOR OR WALL. B) FIRESTOP DEVICE - FIRESTOP COLLAR INSTALLED PER MFGR'S INSTRUCTIONS USING EXPANSION ANCHORS.

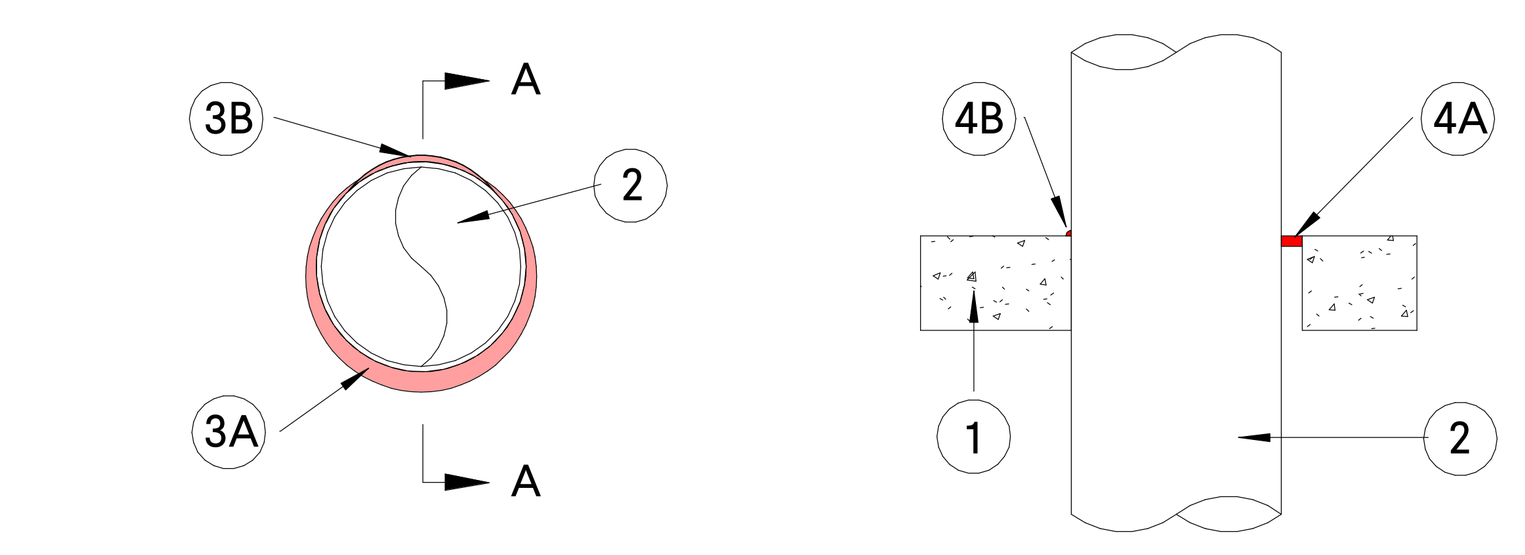


SECTION A-A

A	C-AJ-1226
B	C-AJ-1044
C	C-AJ-1080

SINGLE UNINSULATED METAL PIPE THRU CONC FLOOR/WALL OR CMU WALL

1. 2 HR FLOOR OR WALL ASSEMBLY - MIN. 2-1/2" TH. CONCRETE FLOOR OR WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX DIA. OF OPNG IS 30-7/8".
2. SINGLE METALLIC PIPE INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN FIRESTOP SYSTEM. PIPE MAT'L AND MAX DIA. SHALL BE AS TESTED IN THIS ASSEMBLY. ANNULAR SPACE: MIN. 0", MAX. 7/8".
3. FIRESTOP SYSTEM TO CONSIST OF: A) MIN. 4" TH. MINERAL WOOL PACKING, B) FIRESTOP SEALANT MIN. 1/4" TH. WITHIN THE ANNULUS, FLUSH W/ TOP SURFACE OF FLOOR OR BOTH SIDES OF WALL

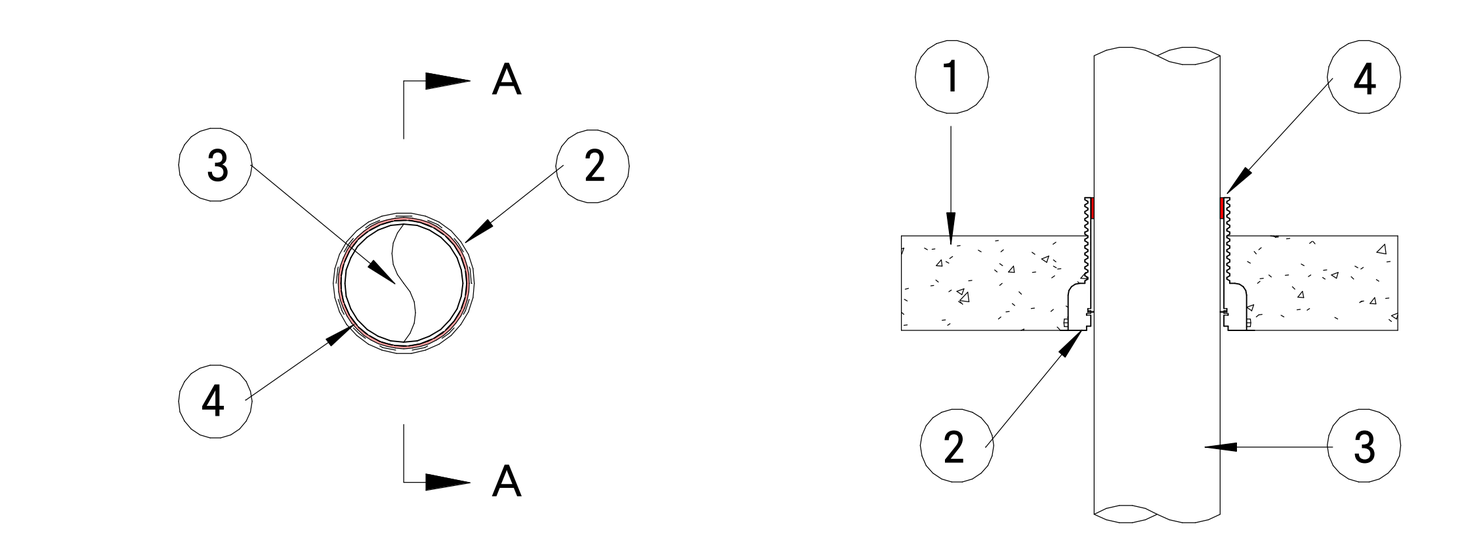


SECTION A-A

A	C-AJ-1291
B	C-AJ-1428
C	C-AJ-1340

SINGLE UNINSULATED METAL PIPE THRU CONC OVER METAL FLOOR

1. 3 HR FLOOR ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR
2. FIRESTOP DEVICE - CAST-IN-PLACE FIRESTOP DEVICE INSTALLED PER MFGR'S INSTRUCTIONS. DEVICE MAY EXTEND A MAX OF 2" ABOVE TOP OF CONCRETE.
3. SINGLE METALLIC PIPE, CONDUIT, OR TUBING INSTALLED WITHIN FIRESTOP DEVICE. MAX PIPE SIZE 6" DIA.
4. FILL, VOID, OR CAVITY MATERIALS (ONE OF THE FOLLOWING) - A) INTUMESCENT PUTTY 1" DP, B) MINERAL WOOL PACKING 4" TH, OR C) MFGR'S TOP SEAL PLUG

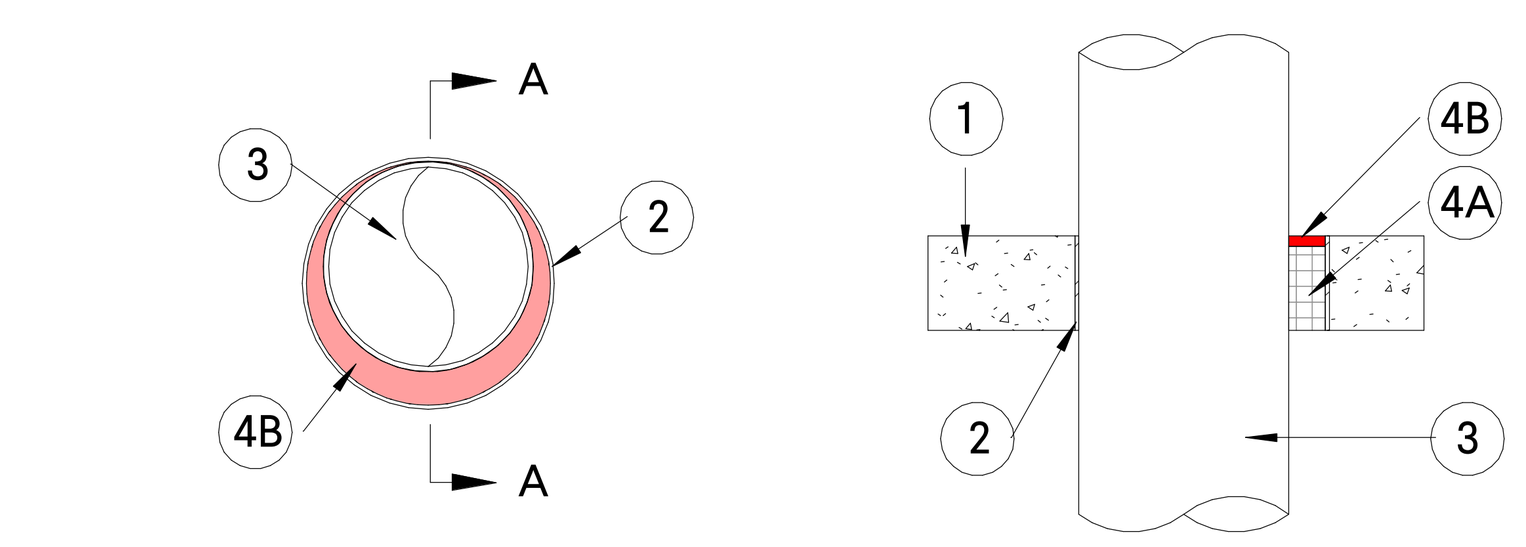


SECTION A-A

A	F-A-1017
B	F-A-1067
C	F-A-1110

SINGLE NONMETALLIC PIPE THRU CONC FLOOR/WALL OR CMU WALL

1. 2 OR 3 HR FLOOR OR WALL ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR OR MIN. 5" TH. CONCRETE WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX DIA. OF OPNG IS 4".
2. STEEL SLEEVE (OPTIONAL) - NOM. 32" DIA. OR SMALLER STEEL PIPE, CAST W/ FLOOR OR WALL, FLUSH W/ FLOOR OR WALL, OR EXTEND MAX. 3" ABOVE FLOOR OR, BOTH SIDES OF WALL.
3. SINGLE METALLIC PIPE INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN FIRESTOP SYSTEM. PIPE MAT'L AND MAX DIA. SHALL BE AS TESTED IN THIS ASSEMBLY. ANNULAR SPACE: MIN. 0", MAX. 1-7/8".
4. FIRESTOP SYSTEM TO CONSIST OF: A) MIN. 4" TH. MINERAL WOOL PACKING, B) FIRESTOP SEALANT MIN. 1/4" TH. WITHIN THE ANNULUS, FLUSH W/ TOP SURFACE OF FLOOR OR BOTH SIDES OF WALL

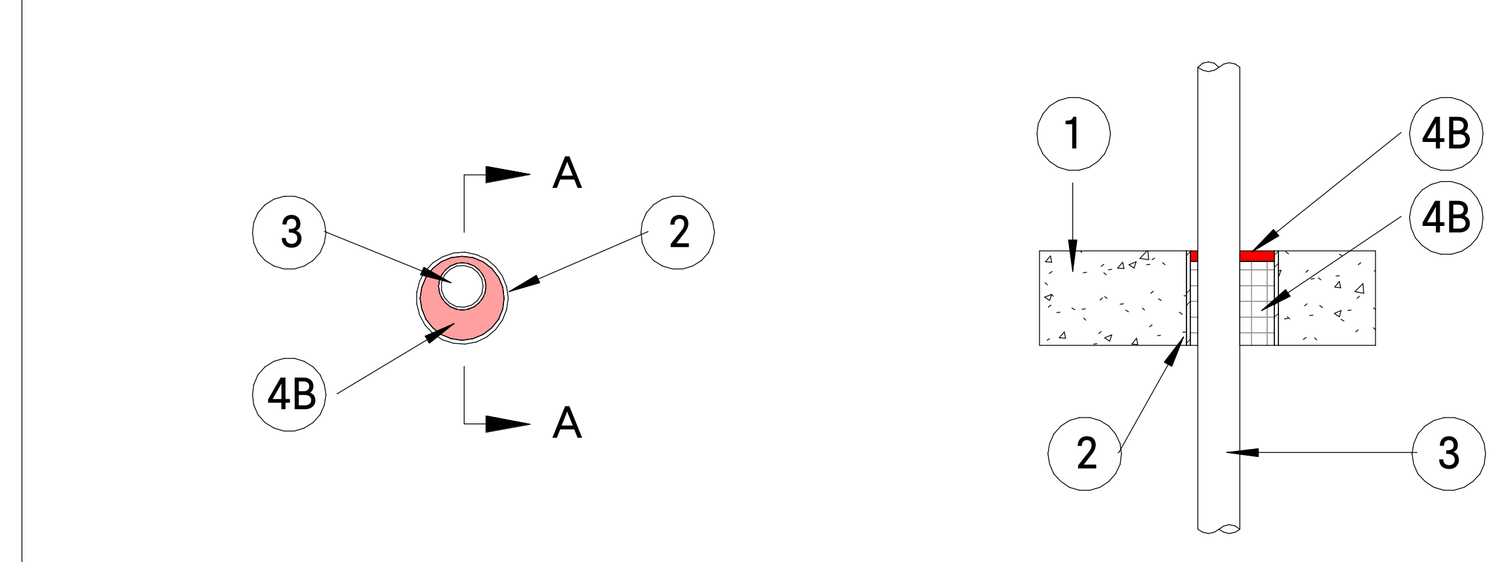


SECTION A-A

A	C-AJ-2109
B	C-AJ-2005
C	C-AJ-2038

SINGLE NONMETALLIC PIPE THRU CONC FLOOR/WALL OR CMU WALL

1. 2 HR FLOOR OR WALL ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR OR MIN. 5" TH. CONCRETE WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX DIA. OF OPNG IS 4".
2. STEEL SLEEVE (OPTIONAL) - NOM. 4" DIA. OR SMALLER STEEL PIPE, CAST W/ FLOOR OR WALL, FLUSH W/ FLOOR OR WALL, OR EXTEND MAX. 3" ABOVE FLOOR OR, BOTH SIDES OF WALL.
3. SINGLE NONMETALLIC PIPE INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN FIRESTOP SYSTEM. MAX. DIA. 2". ANNULAR SPACE: MIN. 0", MAX. 1-5/8".
4. FIRESTOP SYSTEM TO CONSIST OF: A) MIN. 4" TH. MINERAL WOOL PACKING, B) FIRESTOP SEALANT MIN. 1/2" TH. WITHIN THE ANNULUS, FLUSH W/ TOP SURFACE OF FLOOR OR BOTH SIDES OF WALL

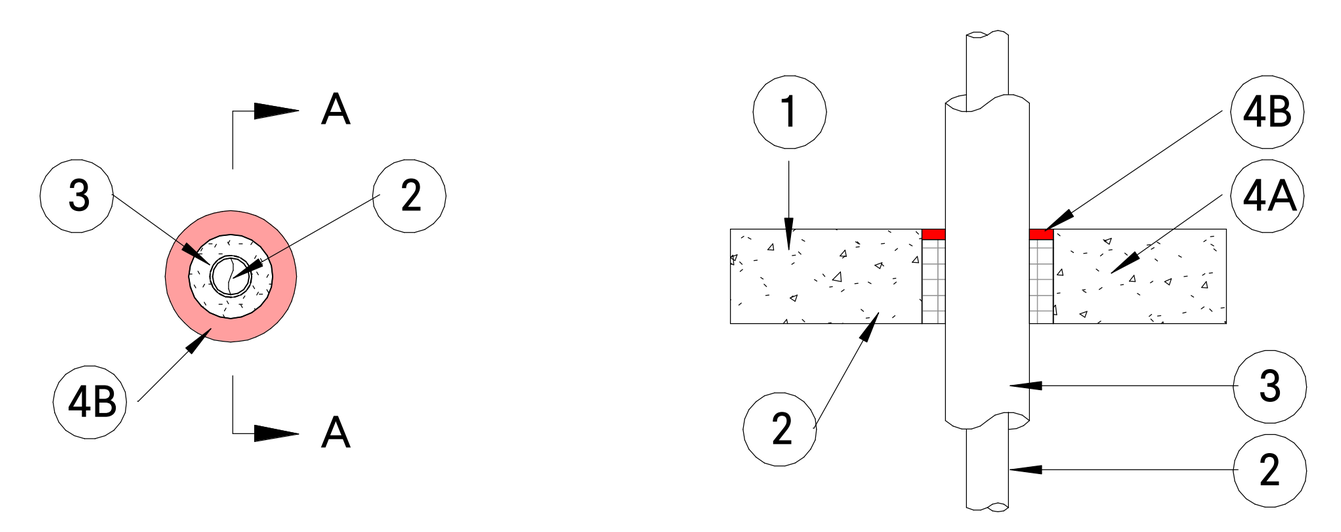


SECTION A-A

A	C-AJ-2567
B	C-AJ-2738
C	C-AJ-2290

SINGLE NONMETALLIC PIPE THRU CONC FLOOR/WALL OR CMU WALL

1. 2 HR FLOOR OR WALL ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR OR MIN. 5" TH. CONCRETE WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX DIA. OF OPNG IS 4".
2. SINGLE NONMETALLIC PIPE INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN FIRESTOP SYSTEM. MAX 2" DIA. PIPE.
3. PIPE COVERING - NOM. 1" TH. HEAVY DENSITY GLASS FIBER, JACKETED. ANNULAR SPACE WITHIN FIRESTOP SYSTEM: MIN. 3/16", MAX. 1-1/8".
4. FIRESTOP SYSTEM TO CONSIST OF: A) MIN. 4" TH. MINERAL WOOL PACKING, B) FIRESTOP SEALANT MIN. 1/2" TH. WITHIN THE ANNULUS, TOOLED FLUSH W/ TOP SURFACE OF FLOOR OR BOTH WALL SURFACES.

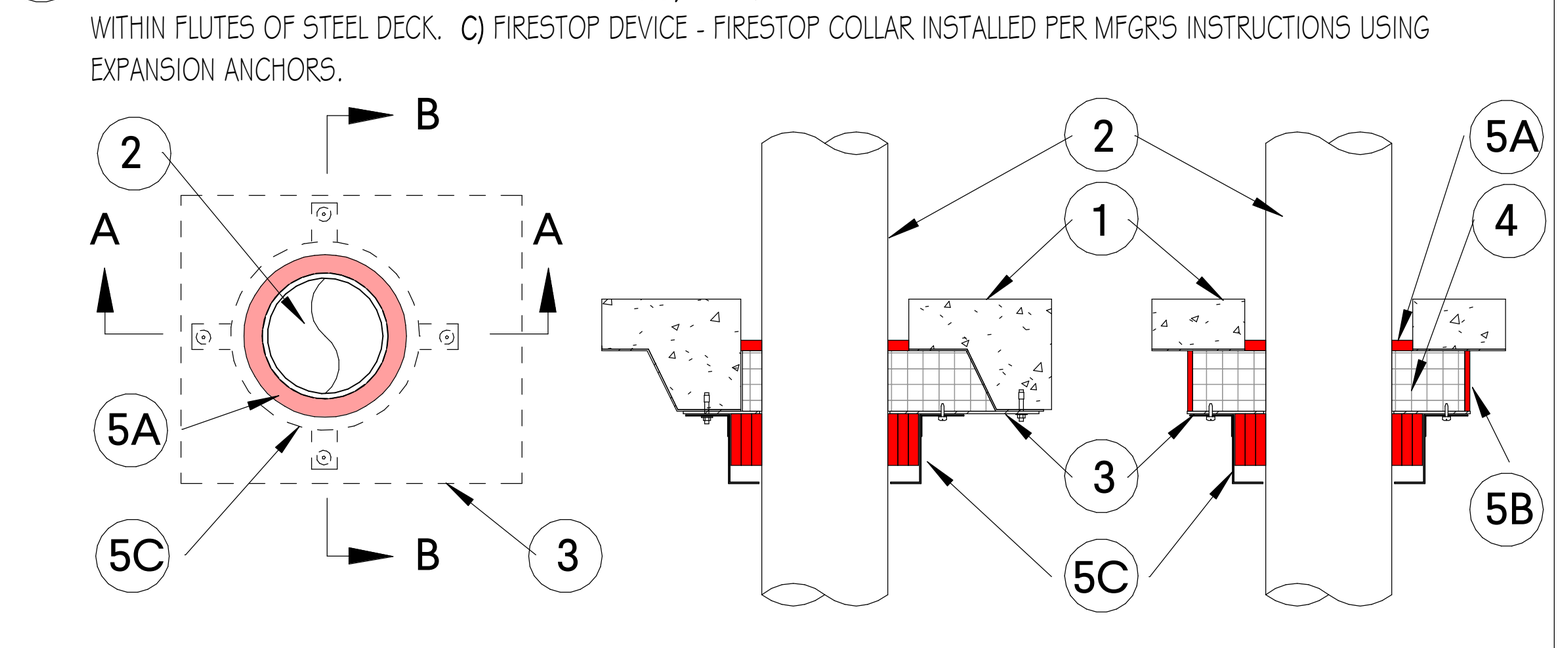


SECTION A-A

A	C-AJ-2632
B	C-AJ-5022
C	C-AJ-2671

SINGLE NONMETALLIC PIPE THRU CONCRETE FLOOR OVER METAL DECK

1. 2 HR FLOOR OR WALL ASSEMBLY - MIN. 2-1/2" TH. CONCRETE OVER MIN. 3" METAL DECK. MAX DIA. OF OPNG CORE-DRILLED THRU FLOOR ASSEMBLY IS 8".
2. SINGLE NONMETALLIC PIPE, MAX 6" DIA, INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN FIRESTOP SYSTEM. PIPE MAT'L SHALL BE AS TESTED IN THIS ASSEMBLY. ANNULAR SPACE: MIN 0", MAX 1-1/2"
3. METAL PLATE - MIN 18 GA STEEL, ANCHORED TO BOTT. OF CONCRETE & METAL FLOOR ASSEMBLY W/ MIN. 1/4" EXP. ANCHORS
4. PACKING MATERIAL - MINERAL WOOL INSULATION PACKED FIRMLY INTO FLUTES OF STEEL DECK.
5. FIRESTOP SYSTEM TO CONSIST OF: A) FIRESTOP SEALANT, MIN 1/2" TH. APPLIED WITHIN ANNULUS TOOLED FLUSH W/ BOTTOM OF FLOOR FOLLOWING CONTOUR OF STEEL DECK. B) MIN 1/4" TH APPLIED TO COMPLETELY COVER MINERAL WOOL PACKING WITHIN FLUTES OF STEEL DECK. C) FIRESTOP DEVICE - FIRESTOP COLLAR INSTALLED PER MFGR'S INSTRUCTIONS USING EXPANSION ANCHORS.

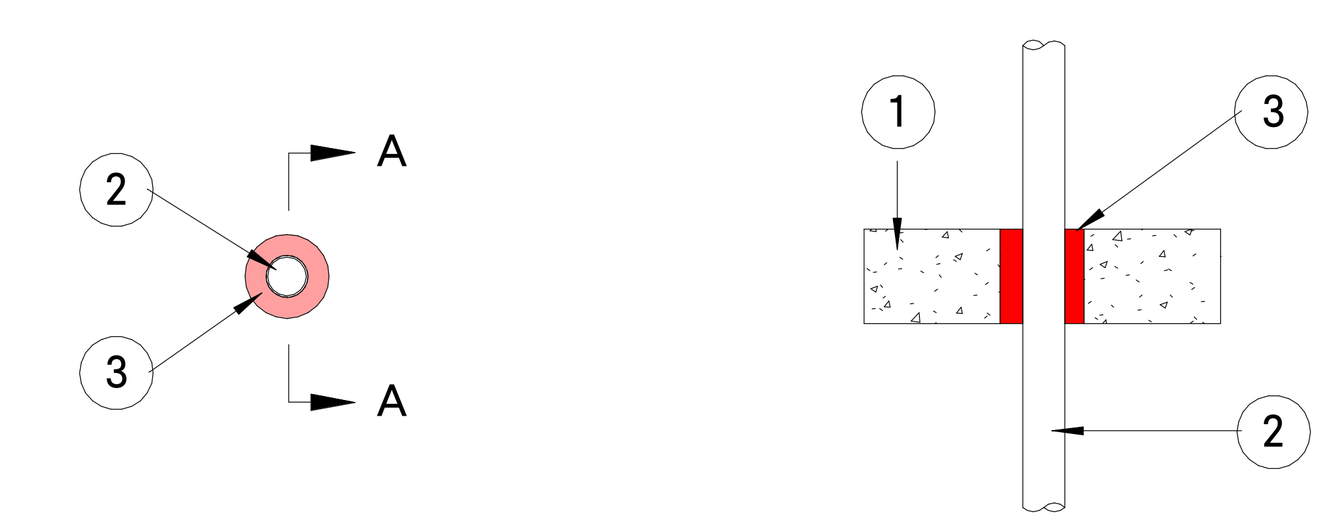


SECTION A-A SECTION B-B

A	F-A-2025
B	F-A-2055
C	F-A-2210

SINGLE NONMETALLIC PIPE THRU CONCRETE FLOOR OVER METAL DECK

1. 2 HR FLOOR OR WALL ASSEMBLY - MIN. -1/2" TH. CONCRETE FLOOR. MAX DIA. OF OPNG IS 4".
2. SINGLE NONMETALLIC PIPE INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN FIRESTOP SYSTEM. MAX. DIA. 2". ANNULAR SPACE: MIN. 0", MAX. 1-5/8".
3. FIRESTOP SEALANT MIN. 2-1/2" TH. APPLIED WITHIN ANNULUS TOOLED FLUSH W/ TOP OF FLOOR.

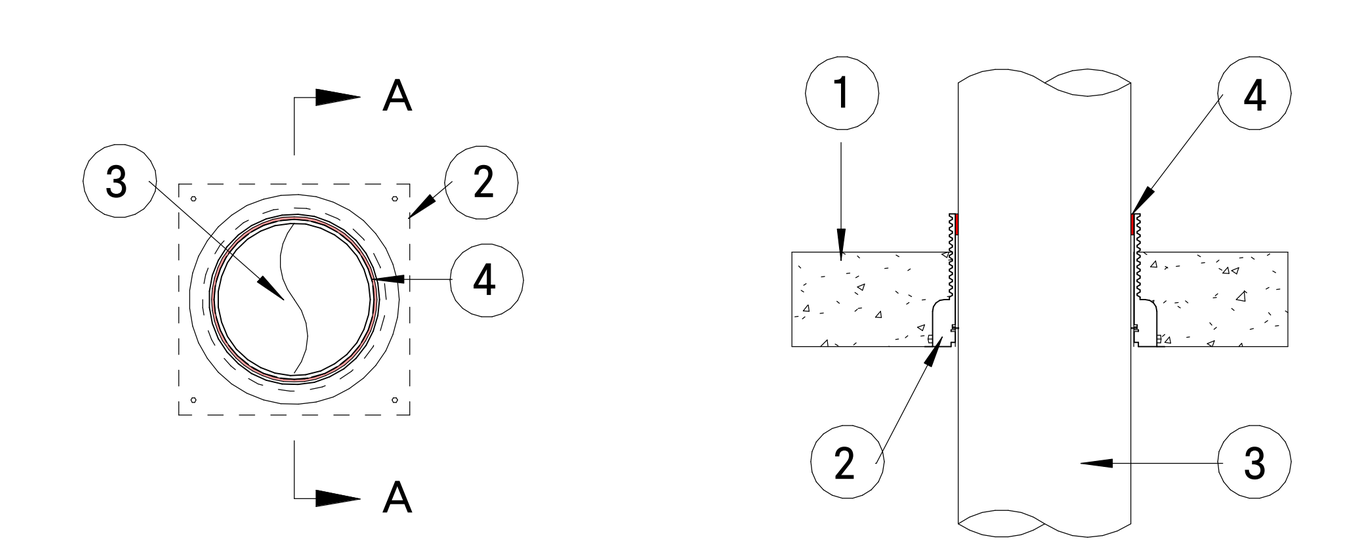


SECTION A-A

A	F-A-2058
B	C-A-2299
C	F-A-2186

NONMETALLIC PIPE THRU CONCRETE FLOOR

1. 2 HR FLOOR ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR
2. FIRESTOP DEVICE - CAST-IN-PLACE FIRESTOP DEVICE INSTALLED PER MFGR'S INSTRUCTIONS. DEVICE MAY EXTEND A MAX OF 2" ABOVE TOP OF CONCRETE.
3. SINGLE METALLIC PIPE, CONDUIT, OR TUBING INSTALLED WITHIN FIRESTOP DEVICE. MAX PIPE MAT'L. & SIZE SHALL BE AS TESTED IN THIS ASSEMBLY.
4. FILL, VOID, OR CAVITY MATERIALS (ONE OF THE FOLLOWING) - A) INTUMESCENT PUTTY 1" DP, B) MINERAL WOOL PACKING 4" TH, OR C) MFGR'S TOP SEAL PLUG

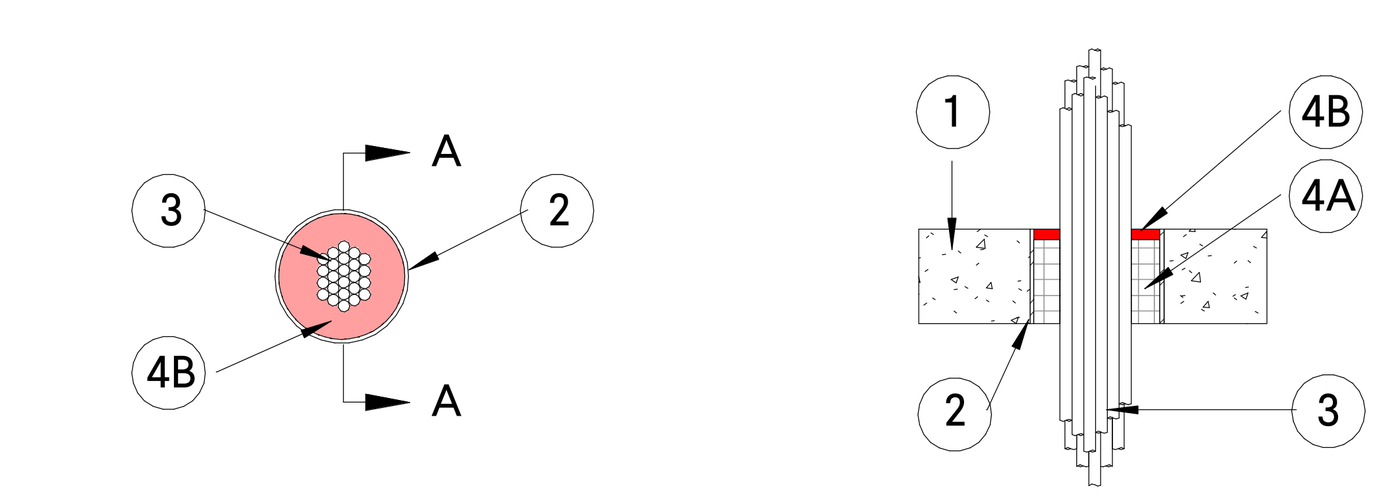


SECTION A-A

A	F-A-2092
B	C-A-2137
C	F-A-2246

BUNDLED CABLE THRU CONC FLOOR/WALL OR CMU WALL

1. 3 HR FLOOR OR WALL ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR OR MIN. 5" TH. CONCRETE WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX DIA. OF OPNG IS 4".
2. STEEL SLEEVE (OPTIONAL) - NOM. 6" DIA. OR SMALLER STEEL PIPE, CAST W/ FLOOR OR WALL, FLUSH W/ FLOOR OR WALL, OR EXTEND MAX. 3" ABOVE FLOOR OR, BOTH SIDES OF WALL.
3. CABLES - AGGREGATE CROSS-SECTIONAL AREA OF CABLES IN OPNG. TO BE MIN 25% TO 45% OF THE CROSS-SECTIONAL AREA OF THE OPNG. TYPES OF CABLES SHALL BE AS TESTED IN THIS ASSEMBLY.
4. FIRESTOP SYSTEM TO CONSIST OF: A) MIN. 2" TH. MINERAL WOOL PACKING, B) FIRESTOP SEALANT MIN. 1/2" TH. WITHIN THE ANNULUS, TOOLED FLUSH W/ TOP SURFACE OF FLOOR OR BOTH WALL SURFACES.

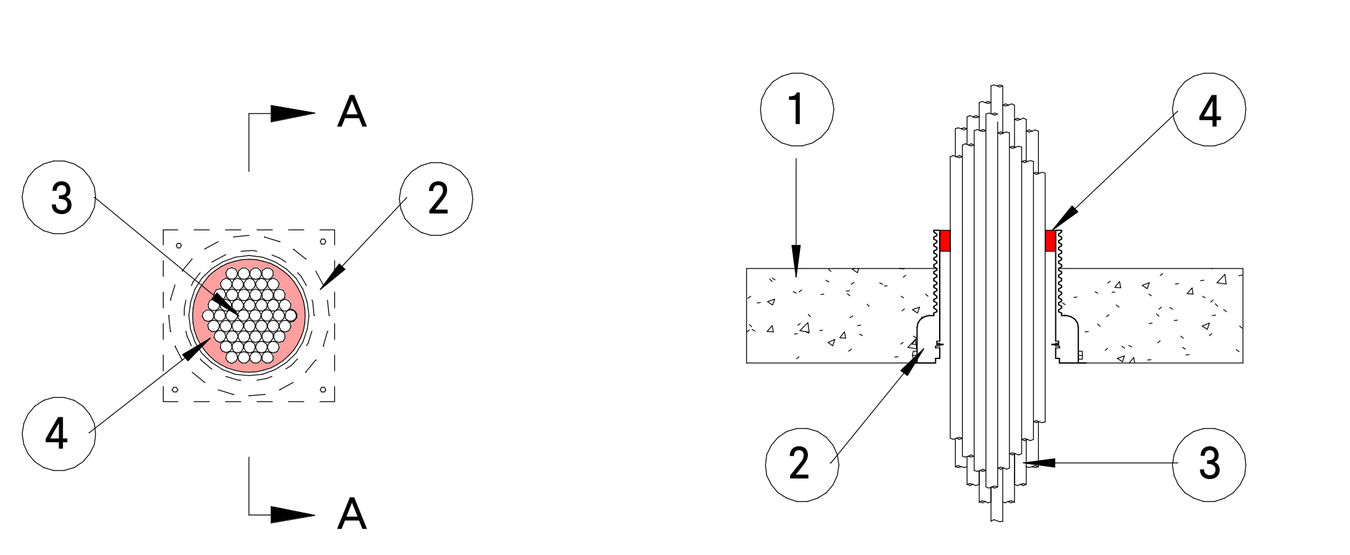


SECTION A-A

A	C-AJ-3095
B	C-AJ-3021
C	C-AJ-3043

SINGLE OR BUNDLED CABLE THRU CONC OVER METAL FLOOR

1. 3 HR FLOOR ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR
2. FIRESTOP DEVICE - CAST-IN-PLACE FIRESTOP DEVICE INSTALLED PER MFGR'S INSTRUCTIONS. DEVICE MAY EXTEND A MAX OF 2" ABOVE TOP OF CONCRETE.
3. CABLES - TYPES, SIZES, & QUANTITIES OF CABLES SHALL BE AS TESTED IN THIS ASSEMBLY.
4. FILL, VOID, OR CAVITY MATERIALS (ONE OF THE FOLLOWING) - A) INTUMESCENT PUTTY 1" DP, OR, B) MINERAL WOOL PACKING 4" TH. (MINERAL WOOL ACCEPTABLE ONLY FOR CABLE BUNDLES 2-1/2" OR LARGER INSTALLED IN A DEVICE 3" DIA OR LARGER)

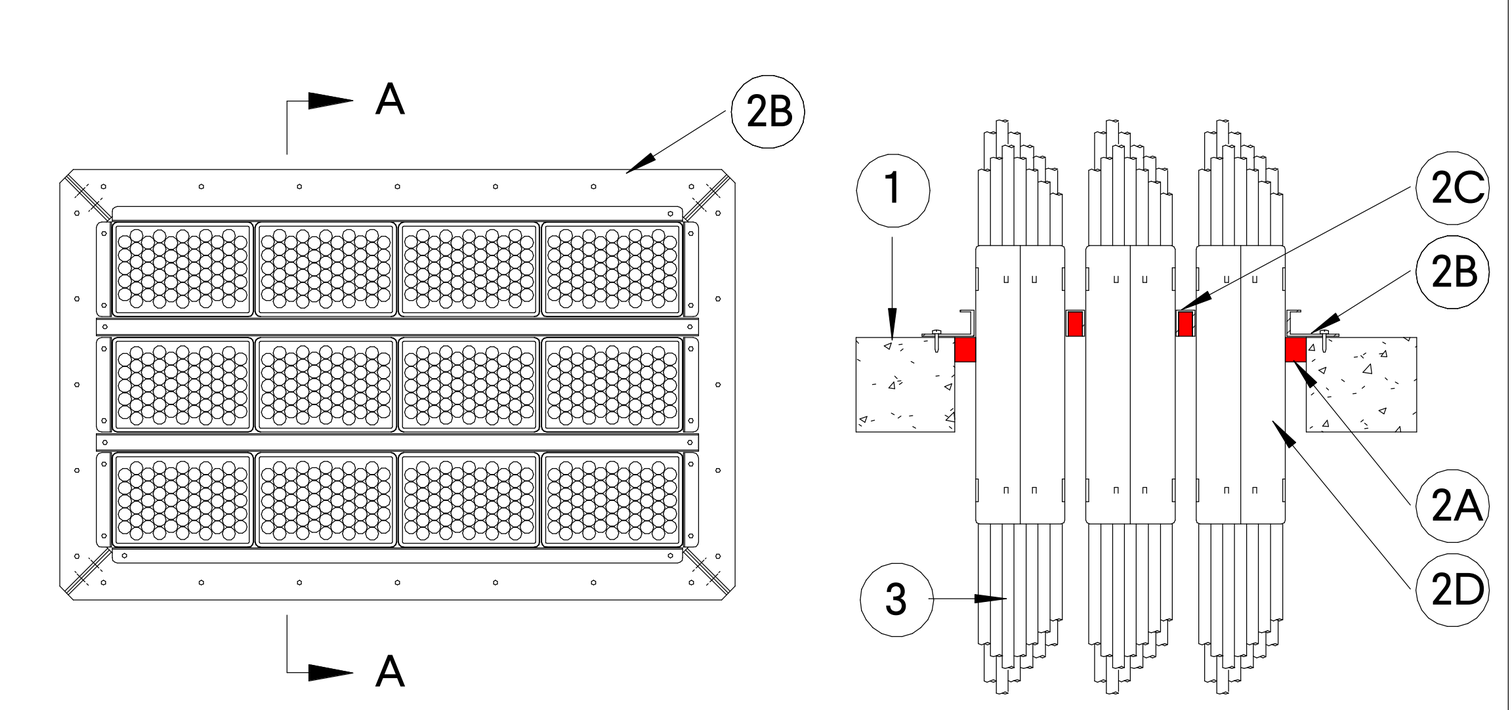


SECTION A-A

A	F-A-3007
B	F-A-3017
C	F-A-3055

SINGLE OR BUNDLED CABLE THRU CONCRETE FLOOR

1. 2 OR 3 HR FLOOR ASSEMBLY, MIN. 2-1/2" TH CONCRETE FLOOR. MAX. OPENING SIZE: 25" X 20".
2. FIRESTOP SYSTEM TO CONSIST OF: A) INTUMESCENT TOP TRACK SEAL ADHESIVE-APPLIED UNDER FLOOR GRID, B) FLOOR GRID FABRICATED OF 4 STEEL RAILS TO FORM A RECTANGLE W/ SEPARATING BARS BETWEEN FIRESTOP DEVICES, C) INTUMESCENT TOP TRACK SEAL DRAPED OVER SEPARATING BARS PRIOR TO INSTALLATION OF FIRESTOP DEVICES, D) FIRESTOP DEVICE - MODULAR FIRE SLEEVE CONSISTING OF A 2-PIECE OUTER METAL SLEEVE. ONE OR MORE DEVICES MAY BE GANGED TOGETHER USING GANGING CLIPS AND ANCHORING TO FLOOR GRID. INSTALL PER MFGR'S INSTRUCTIONS.
3. BUNDLED CABLES (0 TO 100% VISUAL FILL)

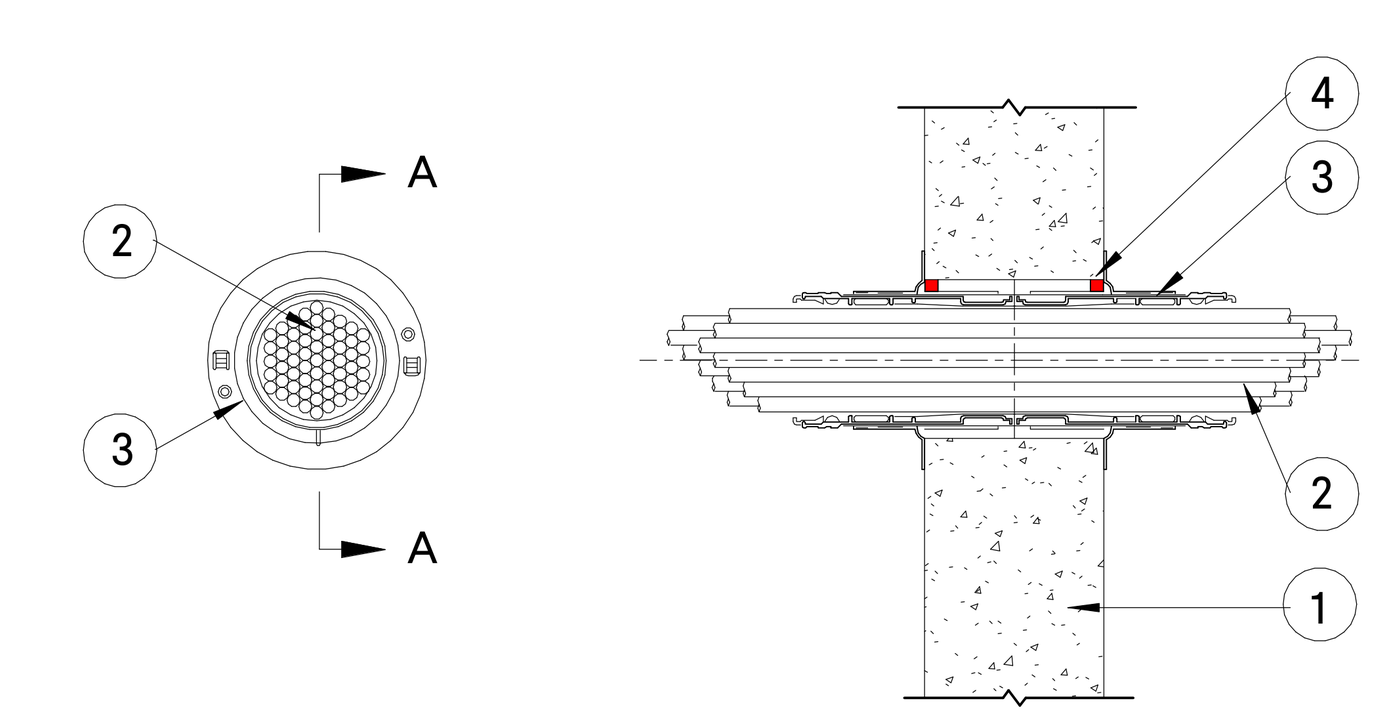


SECTION A-A

A	F-A-3085
B	C-A-3250
C	F-A-3037

SINGLE OR BUNDLED CABLE THRU CONCRETE WALL

1. 2, 3. OR 4 HR WALL ASSEMBLY - MIN 5" TH (FOR 2-HR RATING), MIN 5-5/8" TH (FOR 3-HR RATING), MIN 6-1/2" TH (FOR 4-HR RATING) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF UL CLASSIFIED CONCRETE BLOCKS. OPNG SIZE: DIA. OF FIRESTOP DEVICE + 1/2"
2. SINGLE OR BUNDLED CABLES (0 TO 100% VISUAL FILL)
3. FIRESTOP DEVICE - CORRUGATED STEEL TUBE W/ AN INNER PLASTIC HOUSING, INTUMESCENT MATERIAL RINGS & TWISTED FABRIC SMOKE SEAL INSTALLED PER MFGR'S INSTRUCTIONS. SIZE: 2" OR 4" DIA.
4. FIRESTOP SEALANT IN ANNULAR SPACE MIN. 5/8" TH. TOOLED FLUSH W/ BOTH WALL SURFACES.

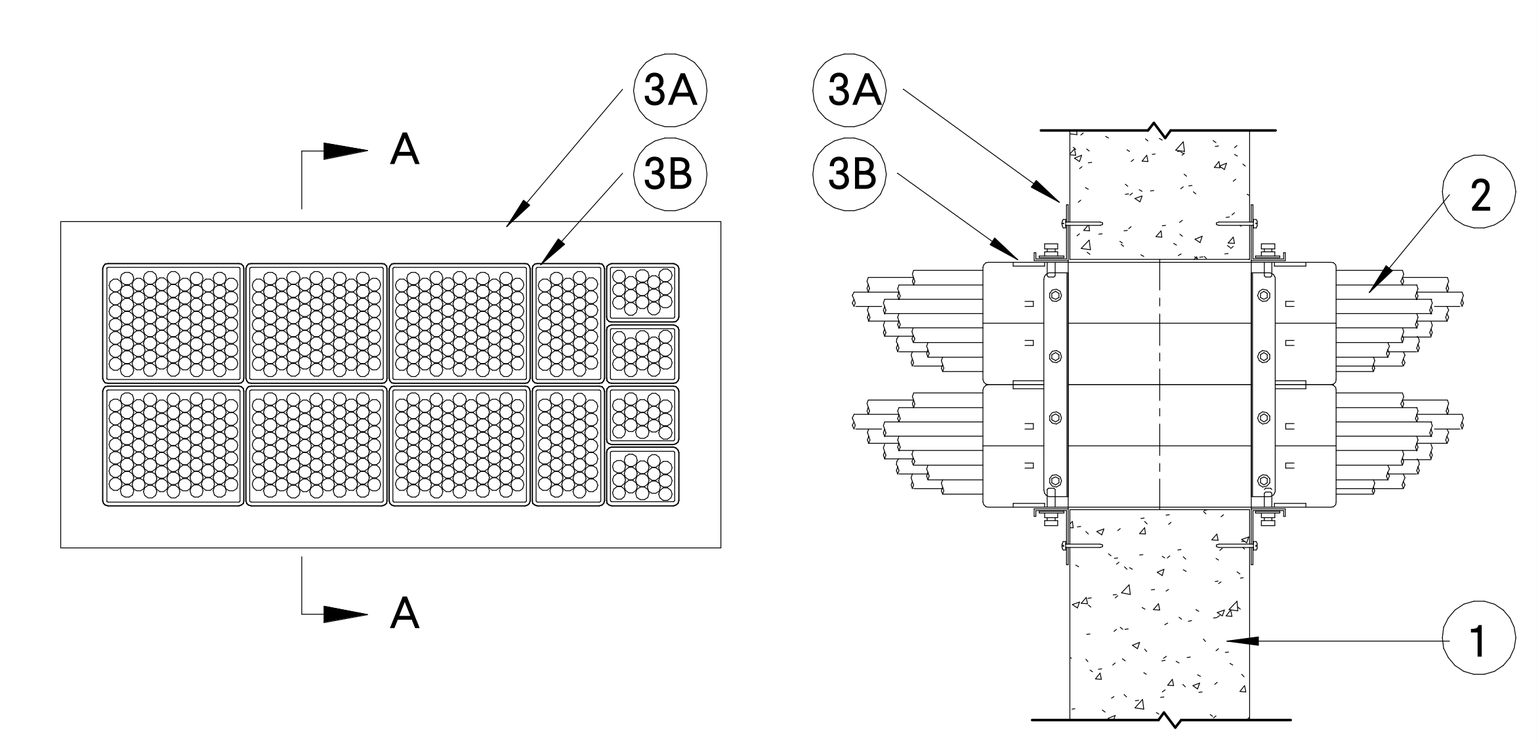


SECTION A-A

A	W-J-3167
B	C-AJ-3250
C	F-A-1110

SINGLE OR BUNDLED CABLE THRU CONCRETE WALL

1. 2 HR WALL ASSEMBLY, MIN 6" TH CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF UL CLASSIFIED CONCRETE BLOCK. OPNG. SIZE: MAX. 24-1/8" X 8-1/8".
2. BUNDLED CABLES (0 TO 100% VISUAL FILL)
3. FIRESTOP SYSTEM TO CONSIST OF: A) DEVICE FLANGE, RECTANGULAR ADJUSTABLE FLANGE SIZED TO FIT AROUND GANGED SLEEVES. SECURE TO BOTH SIDES OF WALL W/ 1-1/2" MASONRY SCREWS OR ANCHORS ALONG TOP & BOTTOM OF FLANGE. B) MODULAR RECTANGULAR STEEL FIRE SLEEVE DEVICE. ONE OR MORE DEVICES MAY BE GANGED TOGETHER. INSTALL PER MFGR'S INSTRUCTIONS.

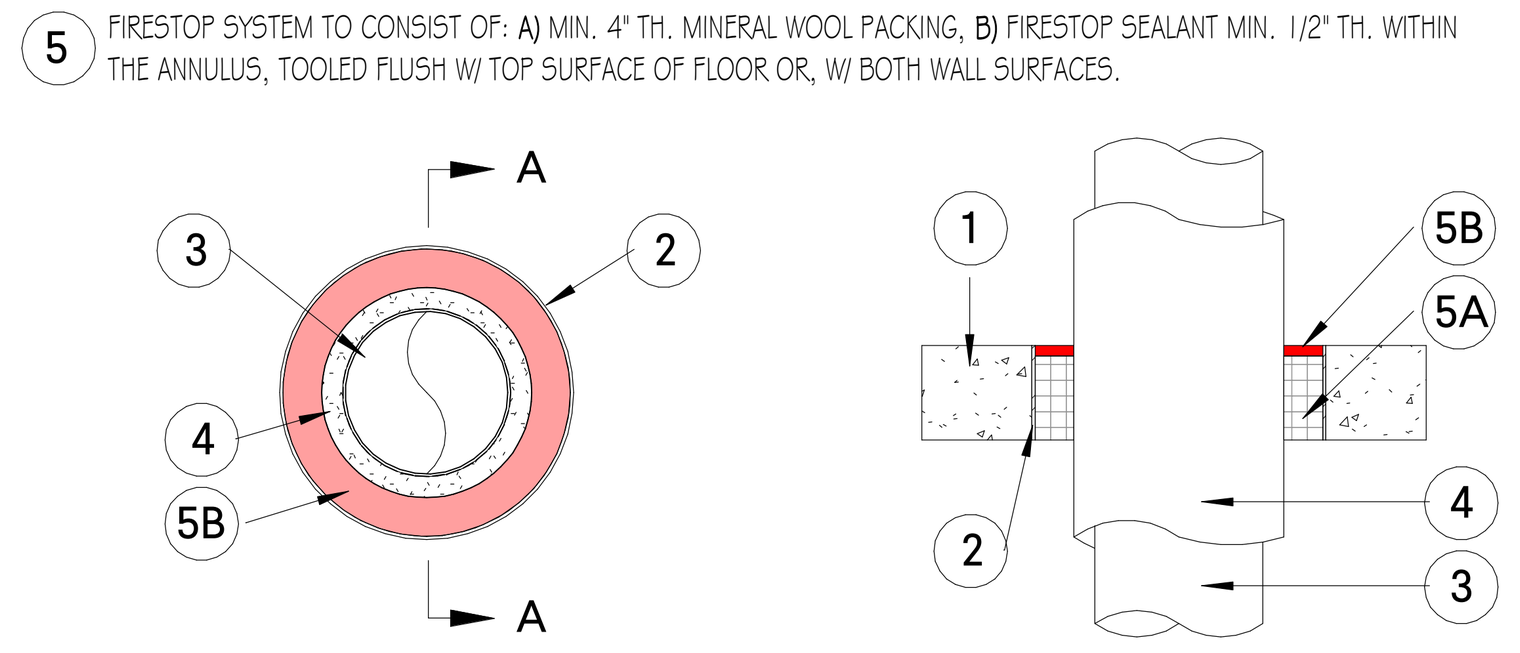


SECTION A-A

A	W-J-3279
B	C-AJ-3250
C	F-A-3158

INSULATED METAL PIPE THRU CONC FLOOR/WALL OR CMU WALL

1. 2 HR FLOOR OR WALL ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR OR WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX DIA. OF OPNG IS 29".
2. METALLIC SLEEVE (OPTIONAL) - MAX. 30" DIA OR SMALLER STEEL PIPE SLEEVE, FLUSH W/ FLOOR OR WALL SURFACES OR, EXTENDING MAX. 3" ABOVE FLOOR OR BEYOND BOTH SURFACES OF WALL.
3. SINGLE NONMETALLIC PIPE INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN FIRESTOP SYSTEM. MAX 12" DIA. PIPE (STEEL OR IRON) OR MAX 6" DIA. PIPE (COPPER).
4. PIPE COVERING - MIN 1/2" TH, MAX 2" TH, HEAVY DENSITY GLASS FIBER, JACKETED. ANNULAR SPACE WITHIN FIRESTOP SYSTEM: MIN. 1/2", MAX. 12".
5. FIRESTOP SYSTEM TO CONSIST OF: A) MIN. 4" TH. MINERAL WOOL PACKING, B) FIRESTOP SEALANT MIN. 1/2" TH. WITHIN THE ANNULUS, TOOLED FLUSH W/ TOP SURFACE OF FLOOR OR, W/ BOTH WALL SURFACES.

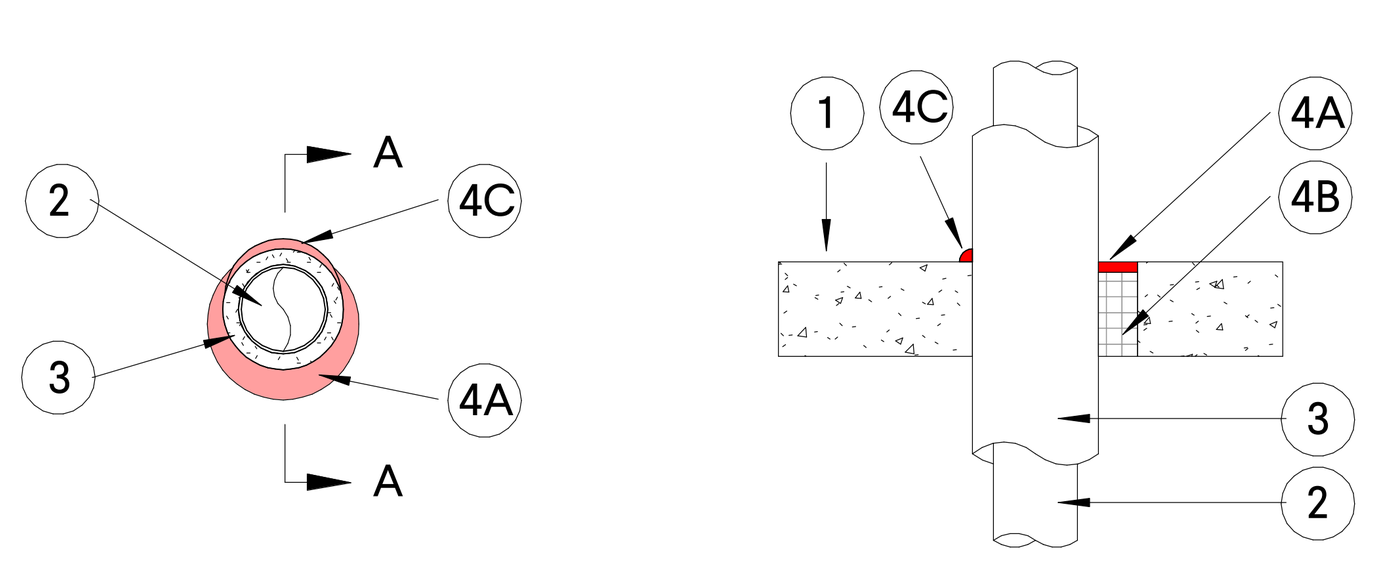


SECTION A-A

A	C-AJ-5091
B	C-AJ-5210
C	C-AJ-5087

INSULATED METAL PIPE THRU CONC FLOOR/WALL OR CMU WALL

1. 2 HR FLOOR OR WALL ASSEMBLY - MIN. 2-1/2" TH. CONCRETE FLOOR OR MIN. 3" TH. CONCRETE WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX DIA. OF OPNG IS 7".
2. SINGLE METALLIC PIPE, CONDUIT, OR TUBING, INSTALLED WITHIN FIRESTOP SYSTEM. MAX 4" DIA.
3. TUBE INSULATION - MIN 1/2" TH, MAX 3/4" TH, AB/PVC FLEXIBLE FOAM TUBE INSULATION. ANNULAR SPACE WITHIN FIRESTOP SYSTEM: MIN. 0", MAX. 1-3/8".
4. FIRESTOP SYSTEM TO CONSIST OF: A) MIN. 4" TH. MINERAL WOOL PACKING, B) FIRESTOP SEALANT MIN. 1/2" TH. WITHIN THE ANNULUS, TOOLED FLUSH W/ TOP SURFACE OF FLOOR OR, W/ BOTH SURFACES OF WALL. C) FIRESTOP SEALANT MIN. 1/2" BEAD APPLIED AT POINT OF CONTACT LOCATION

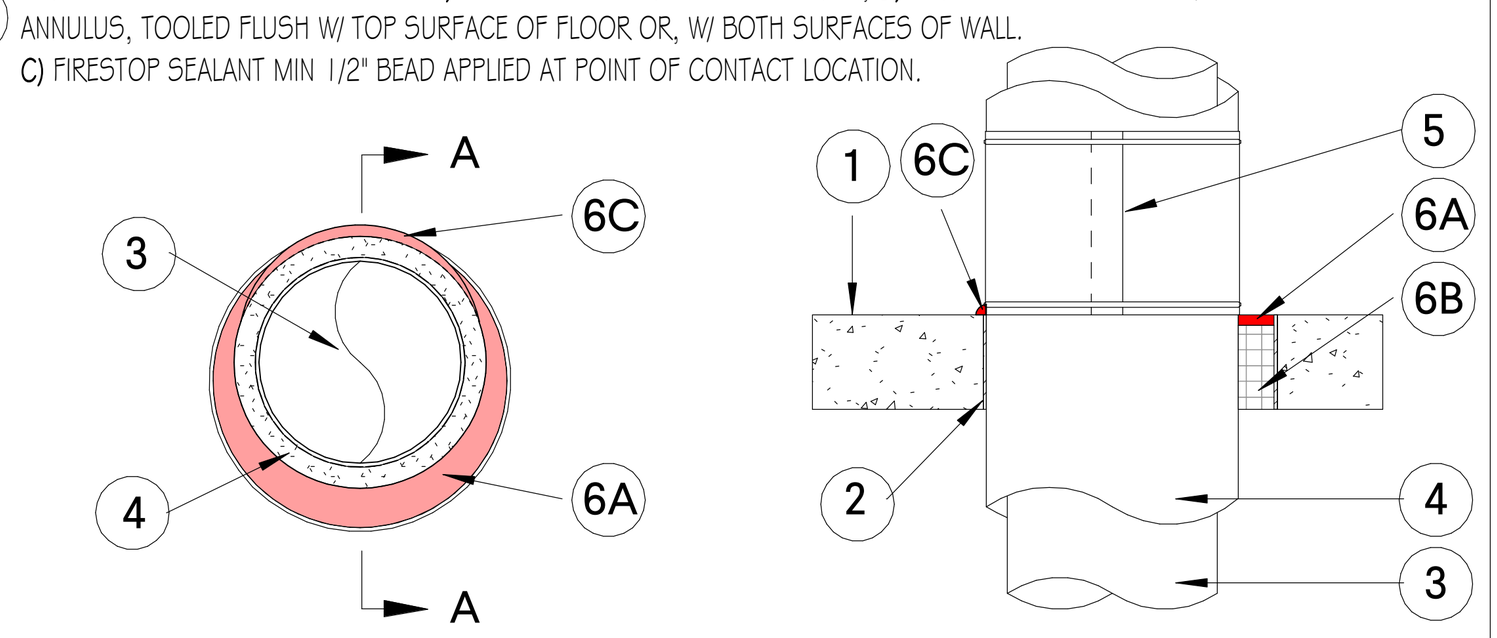


SECTION A-A

A	C-AJ-5198
B	C-AJ-5211
C	C-AJ-5045

INSULATED METAL PIPE THRU CONC FLOOR/WALL OR CMU WALL

1. 2 HR FLOOR OR WALL ASSEMBLY - MIN. 2-1/2" TH. CONCRETE FLOOR OR WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX DIA. OF OPNG IS 20-5/8".
2. METAL SLEEVE (OPTIONAL) - MAX. 20" DIA STEEL PIPE, FLUSH W/ FLOOR OR WALL SURFACES.
3. SINGLE METALLIC PIPE OR TUBING, INSTALLED WITHIN FIRESTOP SYSTEM. MAX 12" DIA. (STEEL), MAX 6" DIA. (COPPER).
4. PIPE INSULATION - MIN 1-1/2" TH, MAX 3" TH, CELLULAR GLASS INSULATION. ANNULAR SPACE WITHIN FIRESTOP SYSTEM: MIN. 0", MAX. 1-7/8".
5. METAL JACKET - MIN 12" LONG FORMED OF 0.010" TH. STEEL OR ALUM SHEET W/ MIN. 2" LAP. SECURE W/ SSTL HOSE CLAMPS
6. FIRESTOP SYSTEM TO CONSIST OF: A) MIN. 4" TH MINERAL WOOL PACKING, B) FIRESTOP SEALANT MIN 1/2" TH WITHIN THE ANNULUS, TOOLED FLUSH W/ TOP SURFACE OF FLOOR OR, W/ BOTH SURFACES OF WALL. C) FIRESTOP SEALANT MIN 1/2" BEAD APPLIED AT POINT OF CONTACT LOCATION.

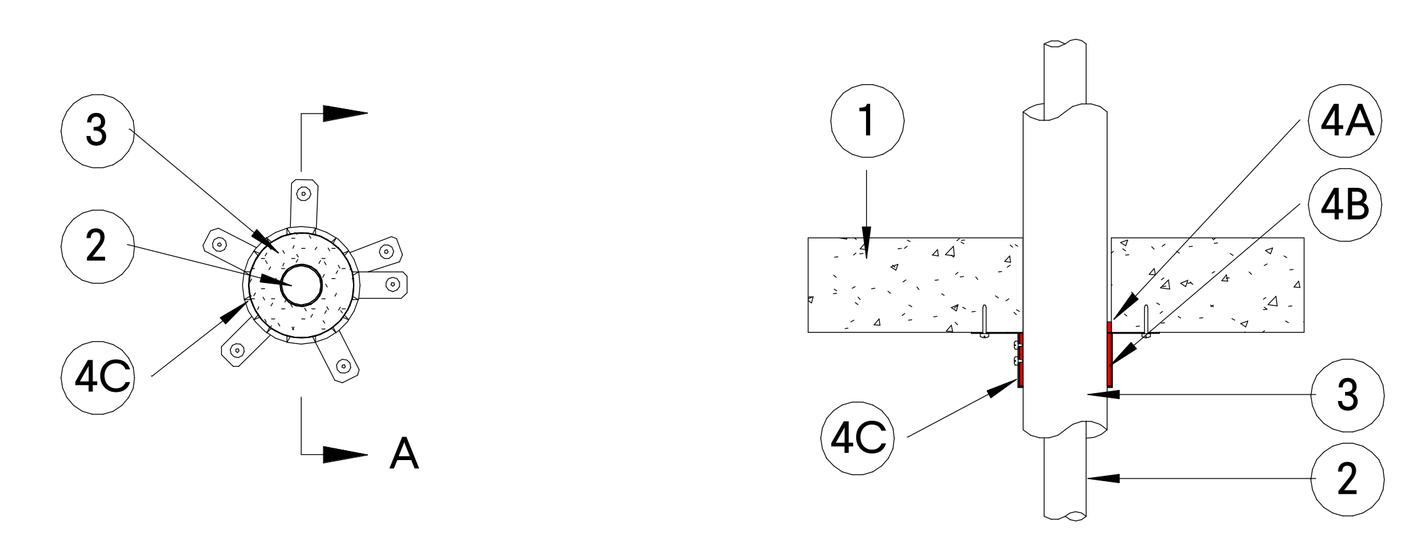


SECTION A-A

A	C-AJ-5277
B	C-AJ-5060
C	C-AJ-5103

INSULATED NONMETALLIC PIPE THRU CONC FLOOR/WALL OR CMU WALL

1. 2 HR FLOOR OR WALL ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR OR MIN. 5" TH. CONCRETE WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX DIA. OF OPNG IS 7".
2. SINGLE NONMETALLIC PIPE INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN FIRESTOP SYSTEM. MAX 4" DIA. PIPE.
3. PIPE INSULATION - REQ'D ON PIPES 1" DIA OR SMALLER, NOM. 3/4" TH. AB/PVC FLEXIBLE FOAM TUBING. ANNULAR SPACE WITHIN FIRESTOP SYSTEM: MIN. 0", MAX. 3/16".
4. FIRESTOP SYSTEM TO CONSIST OF: A) FIRESTOP SEALANT MIN. 1/2" TH. WITHIN THE ANNULUS, TOOLED FLUSH W/ TOP SURFACE OF FLOOR OR BOTH SIDES OF WALL. B) INTUMESCENT WRAP STRIP NOM. 3/16" TH X 1-3/4" W. C) STEEL COLLAR, MIN. 28 GA GALV STEEL, MIN. 1-3/4" DP W/ 1" X 2" ANCHOR TABS ON 1-3/4" CENTERS ANCORED TO BOTTOM OF FLOOR OR BOTH SURFACES OF WALL W/ MIN 1/4" X 1-1/4" EXP. ANCHORS OR POWDER ACTUATED FASTENERS. OVERLAP COLLAR MIN. 1" AND ANCHOR W/ TWO #10 X 3/16 SHEET METAL SCREWS. ANCHOR

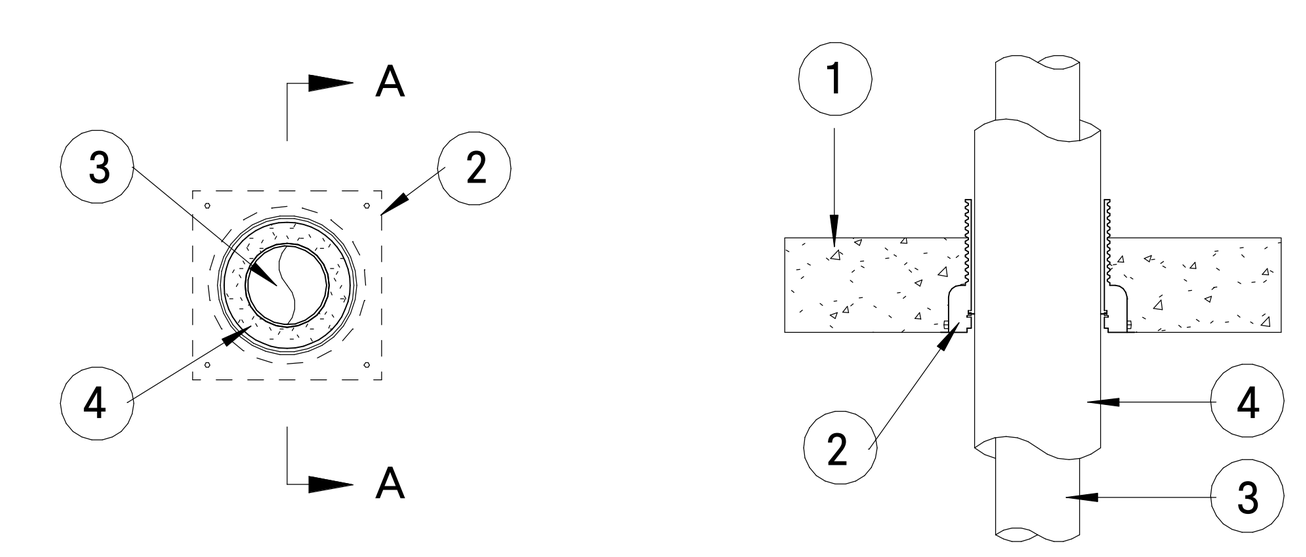


SECTION A-A

A	C-AJ-5320
B	C-AJ-5022
C	C-AJ-2145

INSULATED METAL PIPE THRU CONCRETE FLOOR

1. 3 HR FLOOR ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR
2. FIRESTOP DEVICE - CAST-IN-PLACE FIRESTOP DEVICE INSTALLED PER MFGR'S INSTRUCTIONS. DEVICE MAY EXTEND A MAX OF 2" ABOVE TOP OF CONCRETE.
3. SINGLE METALLIC PIPE, OR TUBING INSTALLED WITHIN FIRESTOP DEVICE. MAX 4" DIA.
4. PIPE COVERING - NOM 1", 1-1/2" OR 2" TH. HEAVY DENSITY GLASS FIBER, JACKETED.
5. PACKING MATERIAL (NOT SHOWN) - WHEN USING 1" DIA PIPE W/ 1-1/2" TH INSUL IN A 4" DEVICE, PROVIDE MIN 2" TH. MINERAL WOOL INSUL PACKED FIRMLY INTO THE DEVICE, FLUSH W/ TOP SURFACE OF DEVICE.

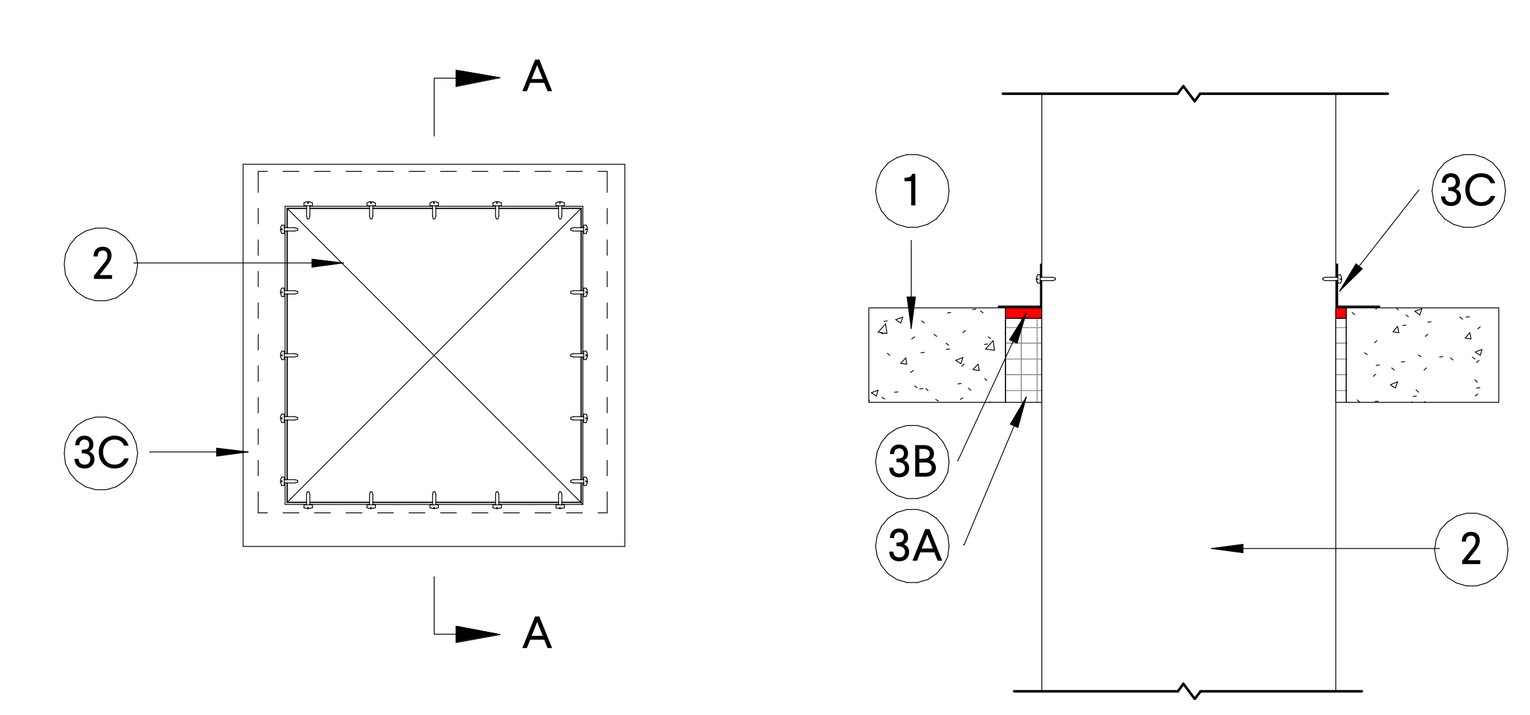


SECTION A-A

A	F-A-5018
B	F-A-5029
C	F-A-5041

UNINSULATED HVAC DUCT THRU CONC FLOOR/WALL OR CMU WALL

1. 3 HR FLOOR OR WALL ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR OR MIN. 5-1/2" TH. CONCRETE WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX AREA OF OPNG IS 1024 SQ.IN. W. MAX DIMENSION OF 32".
2. STEEL DUCT, NOM 30" X 30" X 24GA OR HEAVIER, POSITIONED WITHIN FIRESTOP SYSTEM. ANNULAR SPACE MIN 1/2", MAX 1-3/4".
3. FIRESTOP SYSTEM TO CONSIST OF: A) MIN. 3-1/2" TH. MINERAL WOOL PACKING, B) FIRESTOP SEALANT MIN. 1" TH. WITHIN THE ANNULUS, FLUSH W/ TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL. C) STEEL RETAINING ANGLE, NOM. 2" X 2" X 16 GA OR HEAVIER, ATTACHED W/ #8 OR LARGER SHEET METAL SCREWS 3" O.C. AT ALL 4 SIDES OF DUCT ON THE TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL.

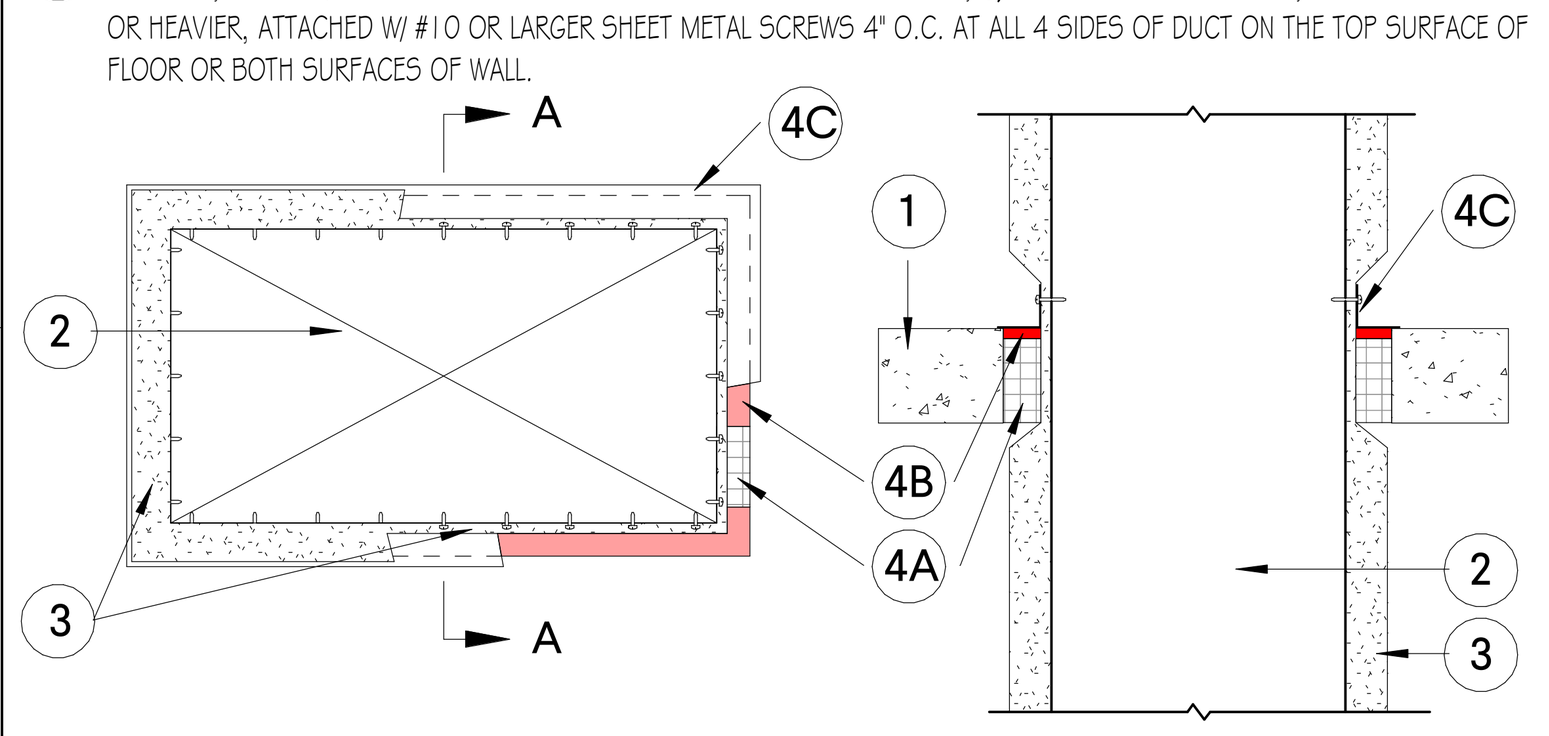


SECTION A-A

A	C-AJ-7051
B	C-AJ-7029
C	C-AJ-7054

INSULATED HVAC DUCT THRU CMU/CONC WALL OR FLOOR

1. 2 HR FLOOR OR WALL ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR OR WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX AREA OF OPNG IS 17.8 SQ.FT. W. MAX DIMENSION OF 64".
2. STEEL DUCT, MAX 60" X 36" X GAUGE IN CONFORMANCE W/ SMACNA REQ'MTS, INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN FIRESTOP SYSTEM. ANNULAR SPACE TO BE MIN 2", MAX 6" (WHEN DUCT DIMENSION IS 28"), OTHERWISE, MAX. 2-1/2".
3. BATTS & BLANKETS - NOM 2" TH LIGHT DENSITY GLASS FIBER BLANKETS, FOIL-JACKETED. NOM 1/2" MAX ANNULAR SPACE BETWEEN INSULATED DUCT & POINT OF CONTACT AT PERIPHERY OF OPNG OR, MAX 4" WHEN MAX DUCT DIMENSION IS 28".
4. FIRESTOP SYSTEM TO CONSIST OF: A) MIN. 4" TH. MINERAL WOOL PACKING, B) FIRESTOP SEALANT MIN. 1/2" TH. WITHIN THE ANNULUS, FLUSH W/ TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL, C) STEEL RETAINING ANGLES, NOM. 2" X 2" X 16 GA OR HEAVIER, ATTACHED W/ #10 OR LARGER SHEET METAL SCREWS 4" O.C. AT ALL 4 SIDES OF DUCT ON THE TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL.

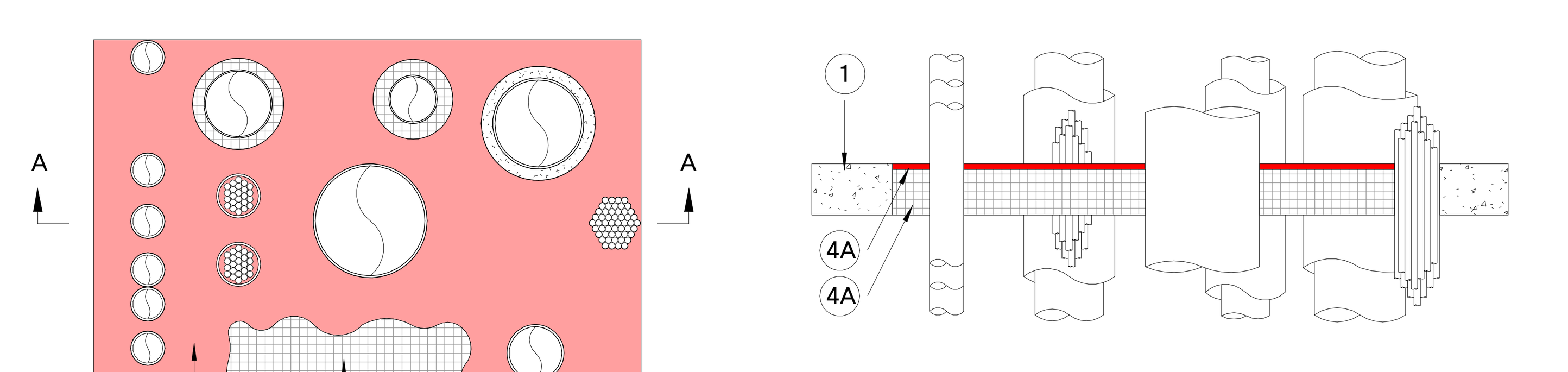


SECTION A-A

A	C-AJ-7145
B	C-AJ-7115
C	C-AJ-7143

MULTIPLE PENETRATIONS THRU CONC FLOOR/WALL OR CMU WALL

1. 2 HR FLOOR OR WALL ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR OR WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX AREA OF OPNG IS 1440 SQ.IN. W. MAX DIMENSION OF 48".
2. THRU PENETRANTS - ANY COMBINATION OF THE FOLLOWING: ONE CABLE TRAY OR ANY NUMBER OF METALLIC OR NONMETALLIC PIPES OR TUBES, OR CABLES OR CABLE BUNDLES, AS TESTED IN THIS ASSEMBLY, MAY BE INSTALLED WITHIN THE OPNG. TOTAL NUMBER IS DEPENDENT ON THE SIZE OF THE OPNG AND THE TYPES AND SIZES OF PENETRANTS. ANNULAR SPACE: MAINTAIN MINIMUM SPACING FOR VARIOUS TYPES AND SIZES OF PENETRAING ITEMS AS TESTED IN THIS ASSEMBLY.
3. PIPE INSUL (OPTIONAL FOR METALLIC PIPES, TUBING OR CONDUIT ONLY). TYPE AND THICKNESS SHALL BE AS TESTED IN THIS ASSEMBLY.
4. FIRESTOP SYSTEM TO CONSIST OF: A) MIN. 4" TH. MINERAL WOOL PACKING, B) FIRESTOP SEALANT MIN. 1/2" TH. WITHIN THE ANNULUS, FLUSH W/ TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL

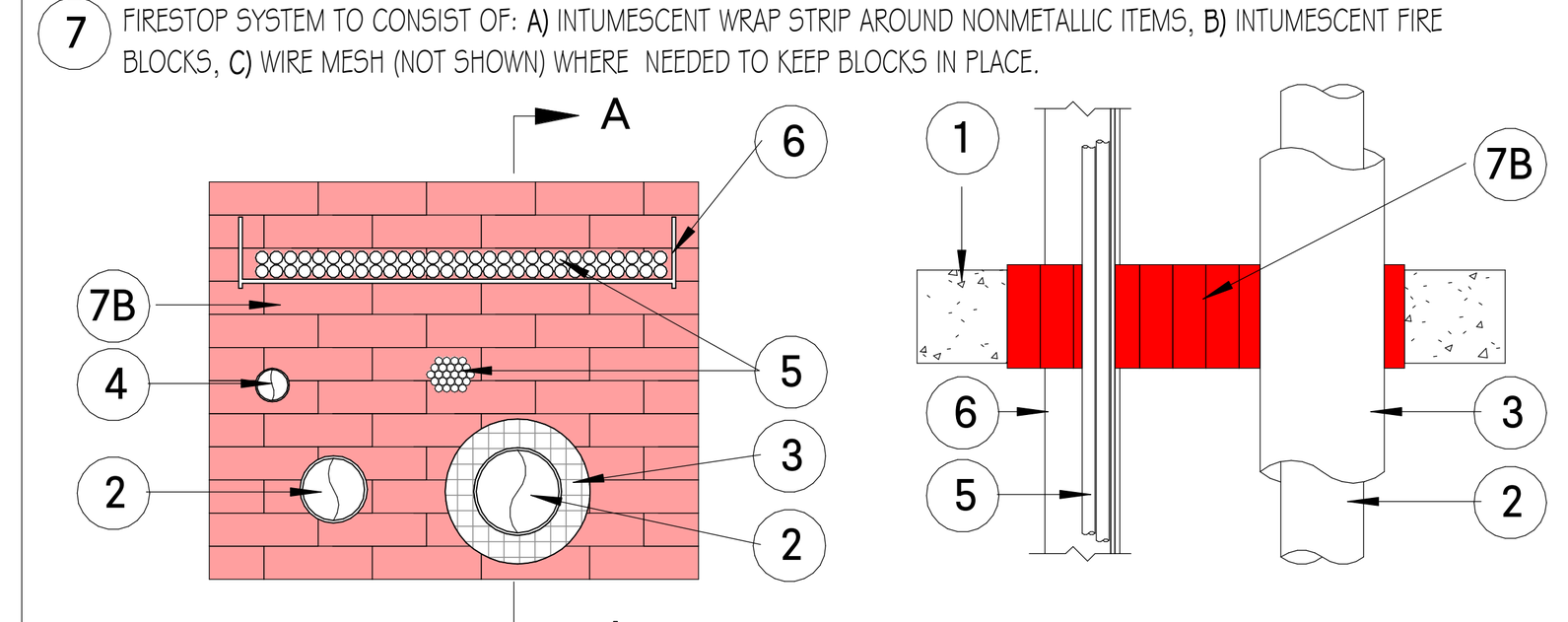


SECTION A-A

A	C-AJ-8143
B	C-AJ-8003
C	C-AJ-8053

MULTIPLE PENETRATIONS THRU CONC FLOOR/WALL OR CMU WALL

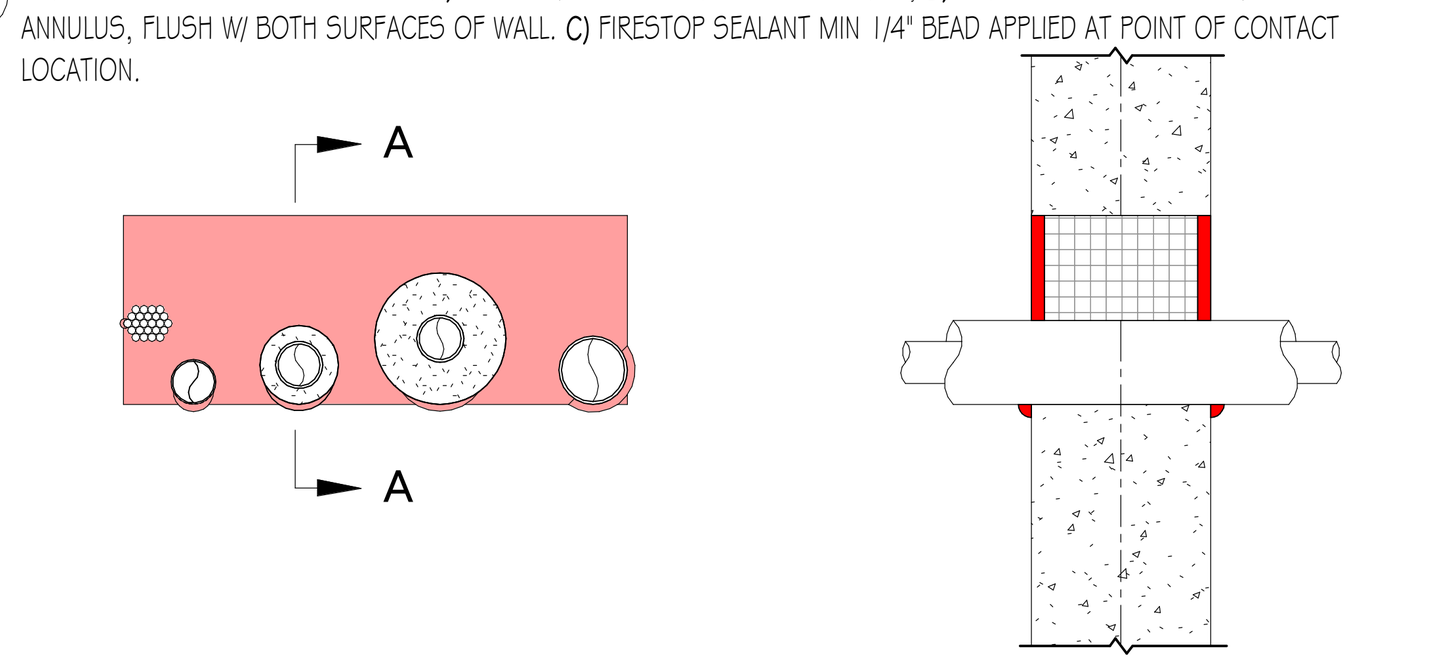
1. 2 OR 3 HR FLOOR OR WALL ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR OR WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX AREA OF OPNG IS 17.8 SQ.FT. W. MAX DIMENSION OF 64".
2. ONE OR MORE METALLIC PIPES, CONDUITS, OR TUBES. MIN 0" ANNULAR SPACE TO EDGE OPNG. MIN 4" ANNULAR SPACE BETWEEN PIPES AND ANY OTHER PENETRANTS. MATERIAL AND SIZE OF PENETRATING ITEMS AS TESTED IN THIS ASSEMBLY.
3. PIPE INSUL (OPTIONAL), AT ONE OR MORE METALLIC PIPES. MAINTAIN MIN 3" TO OTHER INSUL ITEMS, MIN. 4" TO ANY OTHER ITEM AND 1" TO EDGE OF OPENING.
4. NONMETALLIC PENETRANTS - ONE OR MORE NONMETALLIC PIPES OR CONDUITS MAY BE INSTALLED WITHIN THE OPNG. MAINTAIN MIN 3" TO OTHER NONMETALLIC ITEMS AND 4" TO ANY OTHER ITEMS.
5. CABLES - ONE OR MORE TIGHT BUNDLES. MAX 4" DIA. MAINTAIN 4 CLEARANCE FROM OTHER ITEMS, 1" FROM EDGE OF OPNG.
6. CABLE TRAY, MAX 24"W X 4"DP OR, MAX 18"W X 6"DP IF OPEN-LADDER TYPE. MAINTAIN MIN 4" TO OTHER ITEMS, MIN 0" TO EDGE OF OPNG. AGGREGATE CROSS SECTION OF CABLES NOT TO EXCEED 40% CROSS-SECTIONAL AREA OF CABLE TRAY.
7. FIRESTOP SYSTEM TO CONSIST OF: A) INTUMESCENT WRAP STRIP AROUND NONMETALLIC ITEMS, B) INTUMESCENT FIRE BLOCKS, C) WIRE MESH (NOT SHOWN) WHERE NEEDED TO KEEP BLOCKS IN PLACE.



A	C-AJ-8207
B	C-AJ-8255
C	C-AJ-8338

MULTIPLE PENETRATIONS THRU CONC FLOOR/WALL OR CMU WALL

1. 2 HR WALL ASSEMBLY - MIN 5" TH CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF UL CLASSIFIED CONCRETE BLOCKS. MAX OPNG SIZE: 9" X 30".
2. ONE OR MORE PIPES, CONDUITS, OR TUBES INSTALLED WITHIN OPNG. TOTAL NUMBER IS DEPENDENT ON SIZE OF OPNG AND THE TYPES AND SIZES OF PENETRANTS. ANY COMBINATION OF TYPES AND SIZES TESTED IN THIS ASSEMBLY MAY BE USED. ANNULAR SPACE BETWEEN PENETRANTS AND EDGE OF OPNG SHALL BE MIN 0", MAX 5".
3. PIPE INSULATION - ONE OR MORE METALLIC PENETRANTS MAY BE INSULATED. TYPES AND SIZES TESTED IN THIS ASSEMBLY MAY BE USED. ANNULAR SPACE BETWEEN INSULATED PENETRANTS AND EDGE OF OPNG SHALL BE MIN 0", MAX 5".
4. CABLES - MAX ONE 3" DIA BUNDLE OF CABLES INSTALLED WITHING OPNG. MAINTAIN MIN 1", MAX 1-1/2" FROM OTHER PENETRANTS
5. FIRESTOP SYSTEM TO CONSIST OF: A) MIN. 3-3/4" TH MINERAL WOOL PACKING, B) FIRESTOP SEALANT MIN 5/8" TH WITHIN THE ANNULUS, FLUSH W/ BOTH SURFACES OF WALL. C) FIRESTOP SEALANT MIN 1/4" BEAD APPLIED AT POINT OF CONTACT LOCATION.



SECTION A-A

A	W-J-8035
B	C-AJ-8128
C	C-AJ-8113

GENERAL THRU-PENETRATION NOTES

1. GENERAL

A. ALL THROUGH-PENETRATION FIRESTOP WORK SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 078413 – PENETRATION FIRESTOP SYSTEMS.
B. THE DETAILS SHOWN HEREIN ILLUSTRATE FREQUENTLY ENCOUNTERED THROUGH-PENETRATION FIRESTOP CONDITIONS. THEY ARE GENERIC REPRESENTATIONS OF SYSTEMS AVAILABLE FROM SEVERAL MANUFACTURERS.
C. 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.
D. WHERE NO APPLICABLE UL DESIGN IS AVAILABLE FOR A PARTICULAR FIRESTOP CONFIGURATION, SUBMIT AN ENGINEERING JUDGMENT (EJ), OR EQUIVALENT FIRE RESISTANCE RATED ASSEMBLY (EFRRA), PREPARED BY THE FIRESTOP MANUFACTURER.

2. APPLICABILITY

A. 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).
B. ALL PIPING AND DUCTWORK SUBJECT TO MOVEMENT SHALL BE FIRESTOPPED WITH FLEXIBLE FIRE RATED SEALANT.
C. TO EXTENT THAT APPROPRIATE UL DESIGNS ARE AVAILABLE FOR SUBSTRATE REQUIRED, USE THE FOLLOWING APPROACH TO SELECTION OF SYSTEMS:
  1. FOR SIMPLE PENETRATIONS: ONE-PART FIRESTOP SEALANT
  2. FOR COMPLEX PENETRATIONS: FOAMED-IN-PLACE FIRESTOP SEALANT
  3. FOR INSULATED METAL PIPE: INTUMESCENT WRAP STRIP AND ONE-PART FIRESTOP SEALANT.
  4. FOR DUCTS OR VENTS:
  5. FOR CABLE TRAYS OR RACEWAYS:

3. SLEEVING

A. THE FOLLOWING PENETRATIONS MUST BE SLEEVED:
  1. SINGLE ROUND PENETRATIONS IN RATED CMU WALLS
  2. INSULATED PIPE PENETRATIONS IN RATED GYPSUM BOARD WALLS
  3. BUNDLED CABLE PENETRATIONS IN RATED GYPSUM BOARD WALLS
  4. ALL PENETRATIONS IN ELEVATED CONCRETE SLABS.
B. ALL SLEEVES SHALL BE METAL. PLASTIC IS NOT PERMITTED. THE JUNCTURE OF STEEL SLEEVES AND WALL SHALL BE SEALED WITH FLEXIBLE FIRE RATED SEALANT.

4. QUALITY ASSURANCE

A. COMPLY WITH "INSTALLER QUALIFICATIONS" AND "ON-SITE RESPONSIBLE PARTY" PROVISIONS OF SPECIFICATION SECTION 078413 – THROUGH-PENETRATION FIRESTOP SYSTEMS.
B. OBTAIN THROUGH-PENETRATION FIRESTOP SYSTEMS THROUGH ONE SOURCE FROM A SINGLE MANUFACTURER.
C. COMMENCE FIRESTOPPING WORK ONLY AFTER SUBMITTALS (INCLUDING MOCKUPS WHERE APPLICABLE) ARE APPROVED, AND PRE-INSTALLATION CONFERENCE IS SUCCESSFULLY CONCLUDED.

5. INSTALLATION - GENERAL

A. COMPLY WITH UL SYSTEM REQUIREMENTS AND FIRESTOPPING MANUFACTURERS' PRINTED INSTALLATION INSTRUCTIONS.
B. 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 EPTHS REQUIRED TO ACHIEVE FIRE RATINGS INDICATED.
C. INSTALL FILL MATERIALS BY PROVEN TECHNIQUES TO PRODUCE THE FOLLOWING RESULTS:
  1. FILL VOIDS AND CAVITIES FORMED BY OPENINGS, FORMING MATERIALS, ACCESSORIES, AND PENETRATING ITEMS AS REQUIRED TO ACHIEVE FIRE-RESISTANCE RATINGS INDICATED,
  2. APPLY MATERIALS SO THEY CONTACT AND ADHERE TO SUBSTRATES FORMED BY OPENINGS AND PENETRATING ITEMS,
D. FOR FILL MATERIALS THAT WILL REMAIN EXPOSED AFTER COMPLETING WORK, FINISH TO PRODUCE SMOOTH UNIFORM SURFACES THAT ARE FLUSH WITH ADJOINING FINISHES.
E. REMOVE COMBUSTIBLE FORMING MATERIALS, AND OTHER ACCESSORIES THAT ARE NOT INDICATED AS PERMANENT COMPONENTS OF FIRESTOP SYSTEMS. REMOVE EXCESS SEALANT FROM ADJOINING SURFACES.
F. IDENTIFY THROUGH PENETRATION FIRESTOP SYSTEMS WITH PERMANENTLY ATTACHED,PREPRINTED METAL OR PLASTIC LABELS, AS SPECIFIED.
G. 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

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

KEY TO MANUFACTURERS

A	HILTI
B	3M
C	STI

Goodwyn Mills Cawood, LLC
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ISSUE	DATE
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ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

STATE OF ALABAMA
PATRICK SWATEK
8969
REGISTERED ARCHITECT

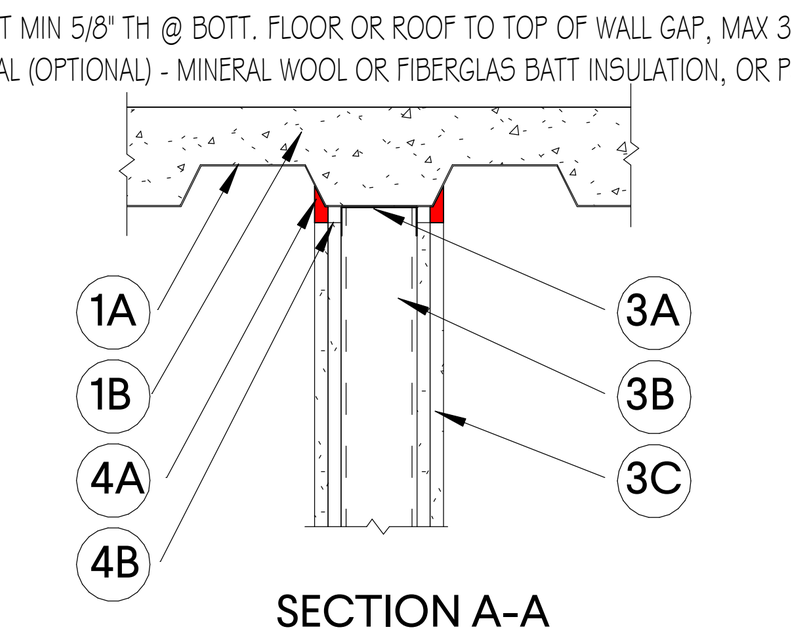
PENETRATION FIRESTOPPING - CONC.FLRS+WALLS

G0.32

JOINT FIRESTOPPING

GYPSUM STUD WALL TO CONCRETE OVER FLUTED METAL DECK FLOOR ASSEMBLY W/APPLIED SEALANT JOINT (OR TO ALTERNATE METAL DECK ROOF ASSY)

1. FLOOR ASSEMBLY - FIRE-RATED FLUTED STEEL DECK/CONCRETE FLOOR ASSEMBLY CONSISTING OF:
   A) STEEL FLOOR AND FORM UNITS, MAX 3" DP GALV STEEL FLUTED DECKING
   B) CONCRETE - MIN 2-1/2" TH REIINFORCED STRUCTURAL CONCRETE AS MEASURED FROM THE TOP PLANE OF THE FLUTES.
   C) SPRAY-APPLIED FIRE RESISTIVE MATERIAL (NOT SHOWN, OPTIONAL) SPRAY-APPLIED MIN 5/16" TH, MAX 11/16" TH, AT UNDERSIDE OF METAL DECK.
2. ROOF ASSEMBLY - (NOT SHOWN) MAY BE USED AS AN ALTERNATIVE TO THE FLOOR ASSEMBLY CONSISTING OF:
   A) STEEL ROOF DECK, MAX 3" DP GALV STEEL FLUTED DECKING
   B) SPRAY-APPLIED FIRE RESISTIVE MATERIAL AS REQUIRED TO MEET THE INDIVIDUAL P700 SERIES DESIGN.
3. WALL ASSEMBLY - 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STEEL STUD WALL ASSEMBLY INCLUDING:
   A) STEEL FLOOR RUNNERS, MIN 25 GA GALV STEEL CHANNELS, OR, A1) (ALTERNATIVE) SLOTTED DEFLECTION RUNNER.
   B) STEEL STUDS, MIN 3-1/2" W. STUDS CUT 1/2 TO 3/4" LESS IN LENGTH THAN ASSEMBLY HEIGHT. MAX SPACING 24" O.C.
   C) GYPSUM BOARD - ONE OR TWO LAYERS 5/8" TH GYPSUM BOARD AS REQ'D FOR RATED ASSEMBLY W/ TOP GAP OF MAX 3/4" TO UNDERSIDE OF DECK.
4. A) FIRESTOP SEALANT MIN 5/8" TH @ BOTT. FLOOR OR ROOF TO TOP OF WALL GAP, MAX 3/4" H.
   B) FORMING MATERIAL (OPTIONAL) - MINERAL WOOL OR FIBERGLAS BATT INSULATION, OR POLYURETHANE BACKER ROD

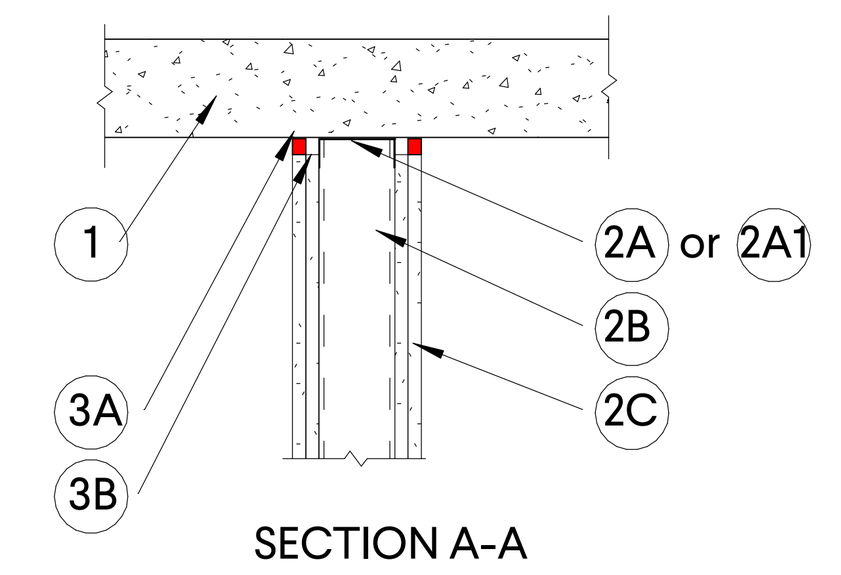


SECTION A-A

A	HW-D-0184
B	HW-D-0486
C	HW-D-0205

GYPSUM STUD WALL TO CONCRETE FLOOR ASSEMBLY W/APPLIED SEALANT JOINT

1. FLOOR ASSEMBLY - MIN 4-1/2" TH REIINFORCED STRUCTURAL CONCRETE OR, ANY 6" TH UL CLASSIFIED HOLLOW-CORE PRECAST CONCRETE UNITS.
2. WALL ASSEMBLY - 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM BOARD/STEEL STUD WALL ASSEMBLY INCLUDING:
   A) STEEL FLOOR RUNNERS, MIN 25 GA GALV STEEL CHANNELS, OR, A1) (ALTERNATIVE) SLOTTED DEFLECTION RUNNER.
   B) STEEL STUDS, MIN 3-1/2" W. STUDS CUT 1/2 TO 3/4" LESS IN LENGTH THAN ASSEMBLY HEIGHT. MAX SPACING 24" O.C.
   C) GYPSUM BOARD - ONE, TWO, THREE, OR FOUR LAYERS 5/8" TH GYPSUM BOARD AS REQ'D FOR RATED ASSEMBLY W/ TOP GAP OF MAX 3/4" TO UNDERSIDE OF DECK.
3. A) FIRESTOP SEALANT MIN 5/8" TH @ BOTT. FLOOR TO TOP OF WALL GAP, MAX 1" H.
   B) FORMING MATERIAL (OPTIONAL) - MINERAL WOOL OR FIBERGLAS BATT INSULATION, OR POLYURETHANE BACKER ROD

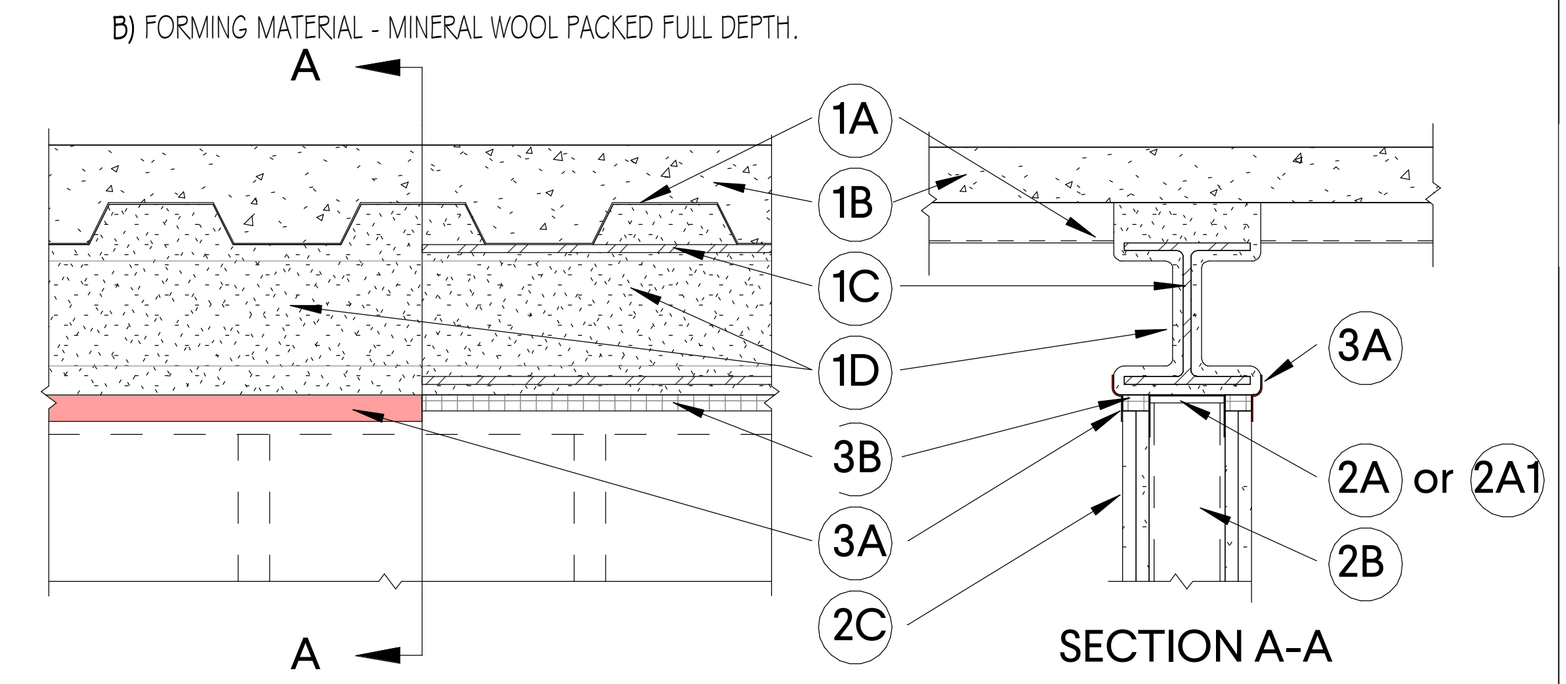


SECTION A-A

A	HW-D-0209
B	HW-D-0134
C	HW-D-0483

GYPSUM STUD WALL CENTERED & PARALLEL TO STEEL BEAM W/SFRM & APPLIED SEALANT

1. FLOOR ASSEMBLY - FIRE-RATED FLUTED STEEL DECK/CONCRETE FLOOR ASSEMBLY CONSISTING OF:
   A) STEEL FLOOR AND FORM UNITS, MAX 3" DP GALV STEEL FLUTED DECKING
   B) CONCRETE - MIN 2-1/2" TH REIINFORCED STRUCTURAL CONCRETE AS MEASURED FROM THE TOP PLANE OF THE FLUTES.
   C) STRUCTURAL STEEL SUPPORT - STEEL BEAM PROTECTED AS PER SPECIFIED D700 OR D900 SERIES UL DESIGN.
   D) SPRAY-APPLIED FIRE RESISTIVE MATERIAL APPLIED MIN 11/16" TH (1 HR ASSEMBLY) OR, MIN 1-1/2" TH (2 HR ASSEMBLY)
2. WALL ASSEMBLY - 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STEEL STUD WALL ASSEMBLY INCLUDING:
   A) STEEL FLOOR RUNNERS, MIN 25 GA GALV STEEL CHANNELS, OR, A1) (ALTERNATIVE) SLOTTED DEFLECTION RUNNER.
   B) STEEL STUDS, MIN 3-1/2" W. STUDS CUT 1/2 TO 3/4" LESS IN LENGTH THAN ASSEMBLY HEIGHT. MAX SPACING 24" O.C.
   C) GYPSUM BOARD - ONE OR TWO LAYERS 5/8" TH GYPSUM BOARD AS REQ'D FOR RATED ASSEMBLY W/ TOP GAP OF MAX 1-1/2" TO UNDERSIDE OF SFRM.
3. A) FIRESTOP SEALANT SPRAY MIN 1/16" TH (DRY THICKNESS) OVER FILL MATERIAL. OVERLAP GYP BOARD MIN 1/2" AND SFRM MIN 2".
   B) FORMING MATERIAL - MINERAL WOOL PACKED FULL DEPTH.

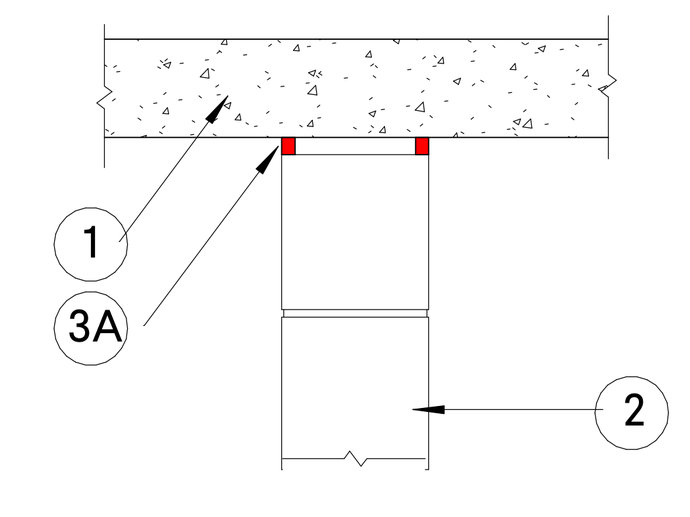


SECTION A-A

A	HW-D-0259
B	HW-D-0252
C	HW-D-0465

CONCRETE OR BLOCK WALL TO CONCRETE FLOOR ASSEMBLY W/APPLIED SEALANT JOINT

1. FLOOR ASSEMBLY - MIN 2-1/2" TH REIINFORCED STRUCTURAL CONCRETE EXCEPT, MIN 4-1/2" TH WHEN CONCRETE WALL THICKNESS IS 4-1/2". FLOOR MAY ALSO BE ANY 6" TH UL CLASSIFIED HOLLOW-CORE PRECAST CONCRETE UNITS.
2. WALL ASSEMBLY - MIN 8" TH STEEL REINFORCED STRUCTURAL CONCRETE. AS AN OPTION, FOR 1 & 2 HR ASSEMBLY RATINGS, WALL MAY BE MIN 4-1/2" TH. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX SEPARATION BETWEEN BOTTOM OF FLOOR ASSEMBLY AND TOP OF WALL IS MAX 1".
3. A) FIRESTOP SEALANT MIN 1/2" TH TOOLED FLUSH WITH EACH WALL SURFACE.
   B) FORMING MATERIAL (OPTIONAL, NOT SHOWN) - MINERAL WOOL OR FIBERGLAS BATT INSULATION, OR POLYURETHANE BACKER ROD

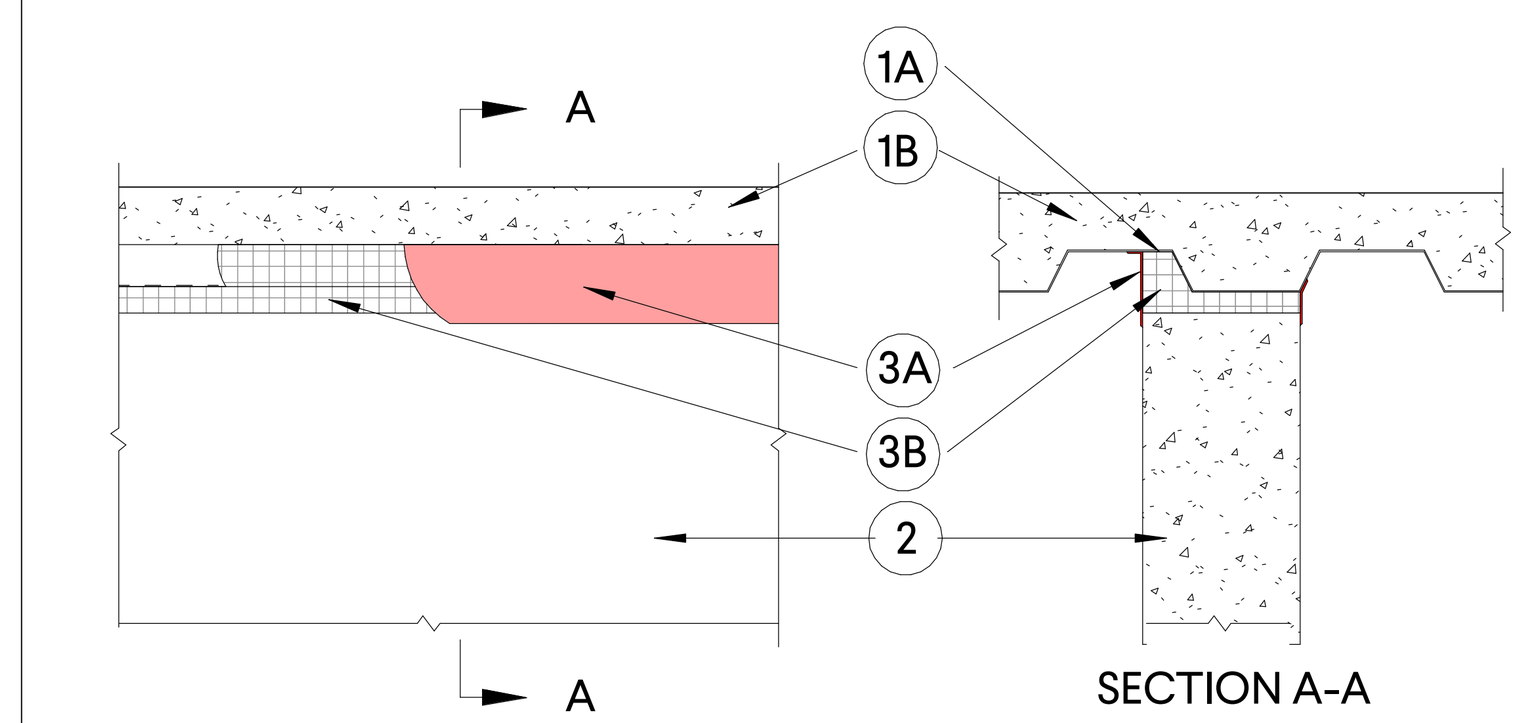


SECTION A-A

A	HW-D-0268
B	HW-D-0169
C	HW-D-0041

CONCRETE OR BLOCK WALL TO CONCRETE FLOOR ASSEMBLY W/ APPLIED SEALANT

1. FLOOR ASSEMBLY - FIRE-RATED FLUTED STEEL DECK/CONCRETE FLOOR ASSEMBLY CONSISTING OF:
   A) STEEL FLOOR AND FORM UNITS, MAX 3" DP GALV STEEL FLUTED DECKING
   B) CONCRETE - MIN 2-1/2" TH REIINFORCED STRUCTURAL CONCRETE AS MEASURED FROM THE TOP PLANE OF THE FLUTES.
2. WALL ASSEMBLY - MN 7-1/2" TH REINFORCED STRUCTURAL CONCRETE. WALL INSTALLED PARALLEL TO FLUTES OF THE DECK. WALL MAY ALSO BE CONSTUCTED OF ANY UL CLASSIFIED 4 HR-RATED CONCRETE BLOCKS. MAX SEPARATION BETWEEN BOTTOM OF FLOOR DECK AND TOP OF WALL IS MAX 1".
3. A) FIRESTOP SEALANT SPRAY MIN 1/16" TH (DRY THICKNESS) OVER FORMING MATERIAL. OVERLAP CONCRETE WALL AND STEEL DECK MIN 1/2" ON BOTH SIDES OF WALL.
   B) FORMING MATERIAL - MINERAL WOOL PACKED FULL DEPTH AND FLUSH W/BOTH WALL SURFACES.

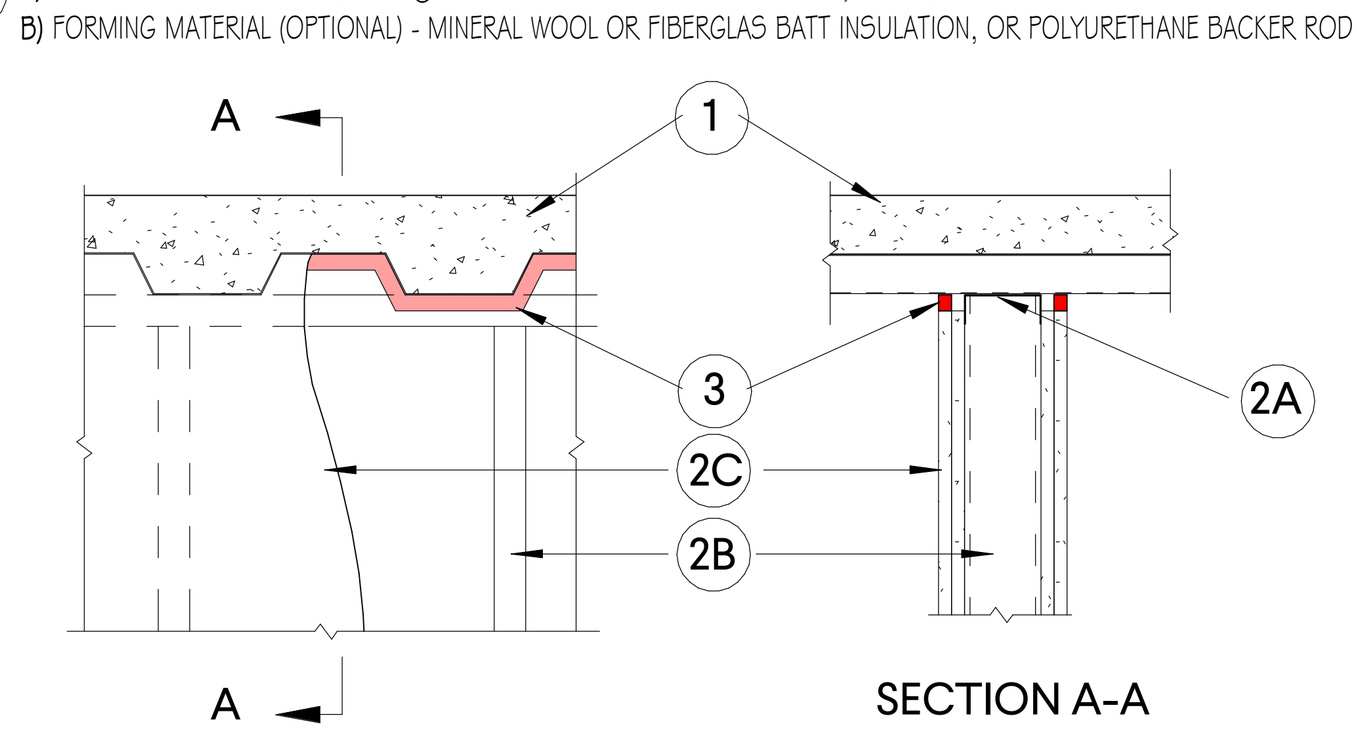


SECTION A-A

A	HW-D-0296
B	HW-D-0248
C	HW-D-0140

GYPSUM STUD WALL PERPENDICULAR TO CONCRETE OVER FLUTED METAL DECK (MAX. JW 3/4")

1. FLOOR ASSEMBLY - FIRE-RATED FLUTED STEEL DECK/CONCRETE ASSEMBLY (PER D700 OR D900 FLOOR-CEILING DESIGN) INCLUDING THE FOLLOWING: STEEL DECK, MAX 3" DP. + CONCRETE, MIN 2-1/2" TH ABOVE TOP PLANE OF DECK. OPTIONAL: MAY INCLUDE SPRAY APPLIED FIRE RESISTIVE MATERIALS AT UNDERSIDE OF DECK.MIN 4-1/2" TH REIINFORCED STRUCTURAL CONCRETE OR, ANY 6" TH UL CLASSIFIED HOLLOW-CORE PRECAST CONCRETE UNITS.
2. WALL ASSEMBLY - 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STEEL STUD WALL ASSEMBLY INCLUDING:
   A) STEEL FLOOR RUNNERS, MIN 25 GA GALV STEEL CHANNELS, OR, A1) (ALTERNATIVE) SLOTTED DEFLECTION RUNNER.
   B) STEEL STUDS, MIN 3-1/2" W. STUDS CUT 1/2 TO 3/4" LESS IN LENGTH THAN ASSEMBLY HEIGHT. MAX SPACING 24" O.C.
   C) GYPSUM BOARD - ONE OR TWO LAYERS 5/8" TH GYPSUM BOARD AS REQ'D FOR RATED ASSEMBLY W/ TOP GAP OF MAX 3/4" TO UNDERSIDE OF DECK.
3. A) FIRESTOP SEALANT MIN 5/8" TH @ BOTT. FLOOR TO TOP OF WALL GAP, MAX 3/4" H.
   B) FORMING MATERIAL (OPTIONAL) - MINERAL WOOL OR FIBERGLAS BATT INSULATION, OR POLYURETHANE BACKER ROD

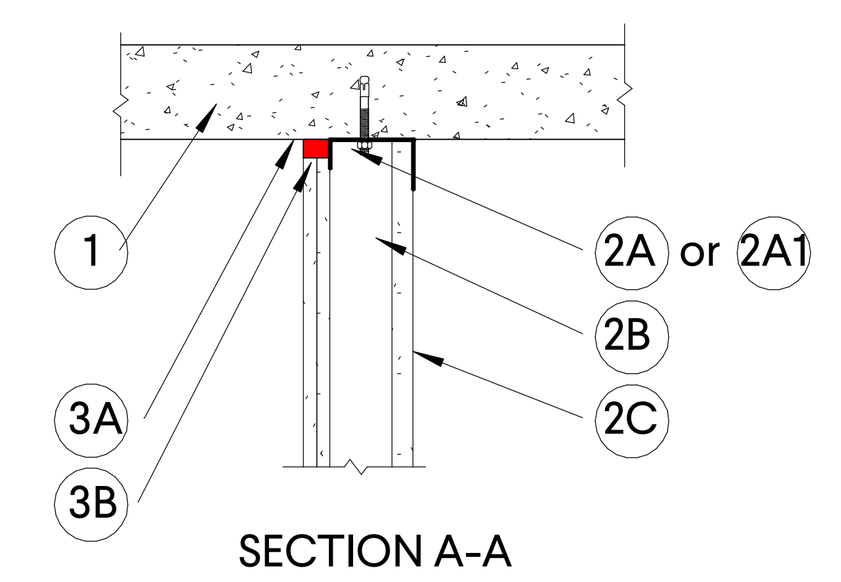


SECTION A-A

A	HW-D-0324
B	HW-D-0103
C	HW-D-0020

GYPSUM STUD WALL TO CONCRETE FLOOR ASSEMBLY W/APPLIED SEALANT JOINT

1. FLOOR ASSEMBLY - MIN 2-1/2" TH REIINFORCED STRUCTURAL CONCRETE OR, ANY 6" TH UL CLASSIFIED HOLLOW-CORE PRECAST CONCRETE UNITS.
2. SHAFT WALL ASSEMBLY - 2 HR FIRE-RATED GYPSUM BOARD/STEEL STUD SHAFT WALL ASSEMBLY INCLUDING:
   A) STEEL FLOOR AND CEILING RUNNERS, MIN 24 GA GALV STEEL J-SHAPED CHANNELS W/ UNEQUAL LEGS MIN 1-1/4" AND 2".
   B) STEEL STUDS, MIN 24 GA GALV C-H SHAPED STUDS, MIN 2-1/2" W. STUDS CUT 3/8 TO 1/2" LESS IN LENGTH THAN ASSEMBLY HEIGHT. MAX SPACING 24" O.C.
   C) GYPSUM BOARD - 1" TH GYPSUM BOARD LINER PANELS AS REQ'D FOR RATED ASSEMBLY.
   D) GYPSUM BOARD - 1/2 OR 5/8" TH, ON FINISHED SIDE OF WALL W/ BOTTOM FLOOR GAP OF MAX 3/4".
3. FIRESTOP SEALANT@ HEAD-OF-WALL GAP, MAX 1" H, FULL DEPTH. TOOL FLUSH W/ FINISH FACE OF WALL.

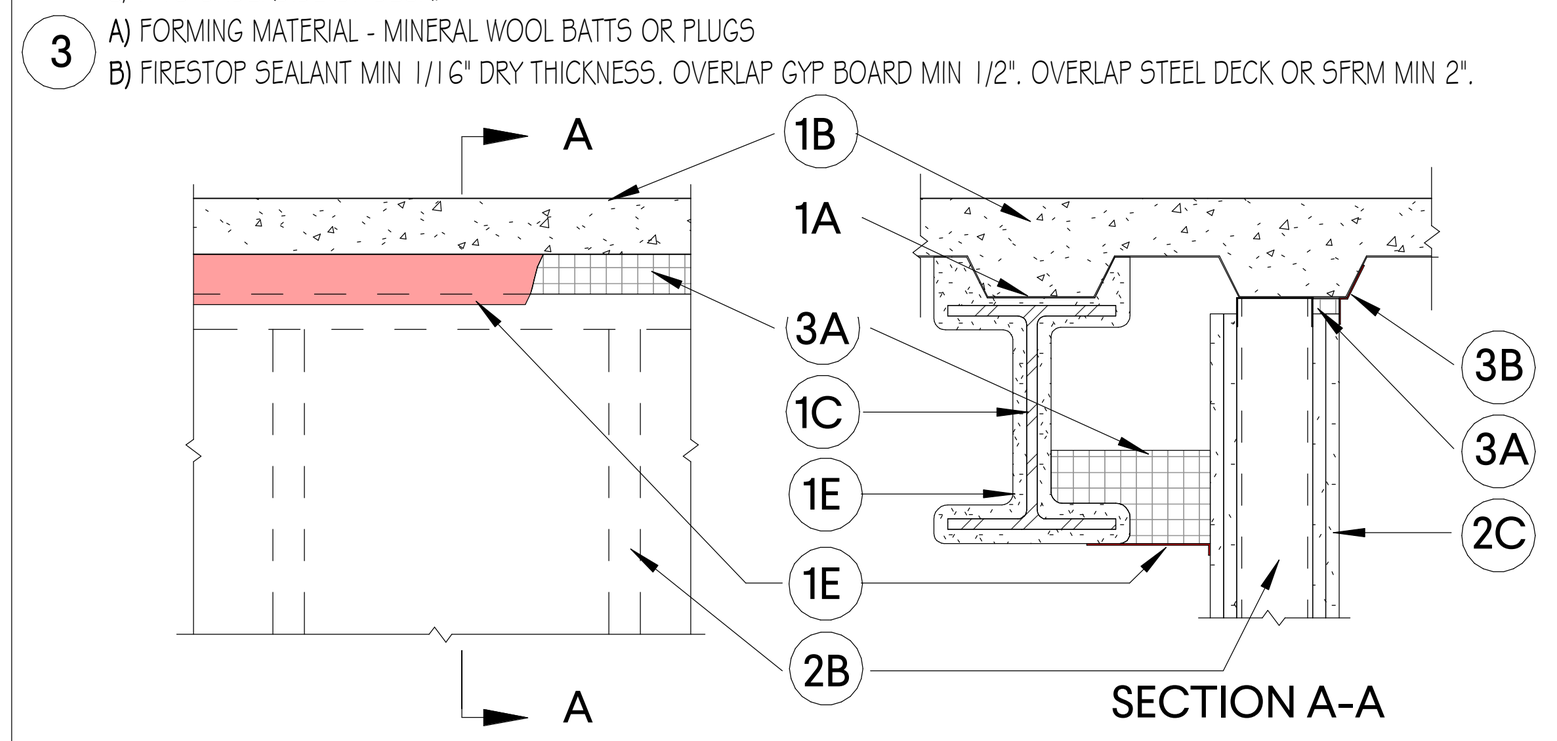


SECTION A-A

A	HW-D-0342
B	HW-D-0052
C	HW-D-0485

GYPSUM STUD WALL PERPENDICULAR TO CONCRETE OVER FLUTED METAL DECK (MAX. JW 3/4")

1. FLOOR ASSEMBLY - FIRE-RATED FLUTED DECK/CONCRETE ASSEMBLY (PER D700 OR D900 FLOOR-CEILING DESIGN) INCLUDING:
   A) STEEL DECK, MAX 3" DP.
   B) CONCRETE, MIN 2-1/2" TH ABOVE TOP PLANE OF DECK
   C) STRUCTURAL STEEL SUPPORT - STEEL BEAM OR OPEN-WEB STEEL JOIST. STRUCTURAL STEEL ORIENTED PARALLEL TO AND 1" TO 6" FROM WALL ASSEMBLY
   D) STEEL LATH - AT STEEL JOISTS, INSTALL 3/8" DIAMOND MESH LATH OVER ONE FACE OF JOIST ANCHORED W/ TIE WIRE
   E) SPRAY-APPLIED FIRE RESISTIVE MATERIAL AS REQ'D TO MEET THE INDIVIDUAL P700 OR P900 SERIES DESIGN
2. WALL ASSEMBLY - 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STEEL STUD WALL ASSEMBLY INCLUDING:
   A) STEEL FLOOR RUNNERS, MIN 25 GA GALV STEEL CHANNELS, OR, A1) (ALTERNATIVE) SLOTTED DEFLECTION RUNNER.
   B) STEEL STUDS, MIN 3-1/2" W. STUDS CUT 3/4" TO 1" LESS IN LENGTH THAN ASSEMBLY HEIGHT. MAX SPACING 24" O.C.
   C) GYPSUM BOARD - ONE OR TWO LAYERS 5/8" TH GYPSUM BOARD AS REQ'D FOR RATED ASSEMBLY W/ TOP GAP OF MAX 3/4" TO UNDERSIDE OF DECK.
3. A) FORMING MATERIAL - MINERAL WOOL BATTS OR PLUGS
   B) FIRESTOP SEALANT MIN 1/16" DRY THICKNESS. OVERLAP GYP BOARD MIN 1/2". OVERLAP STEEL DECK OR SFRM MIN 2".

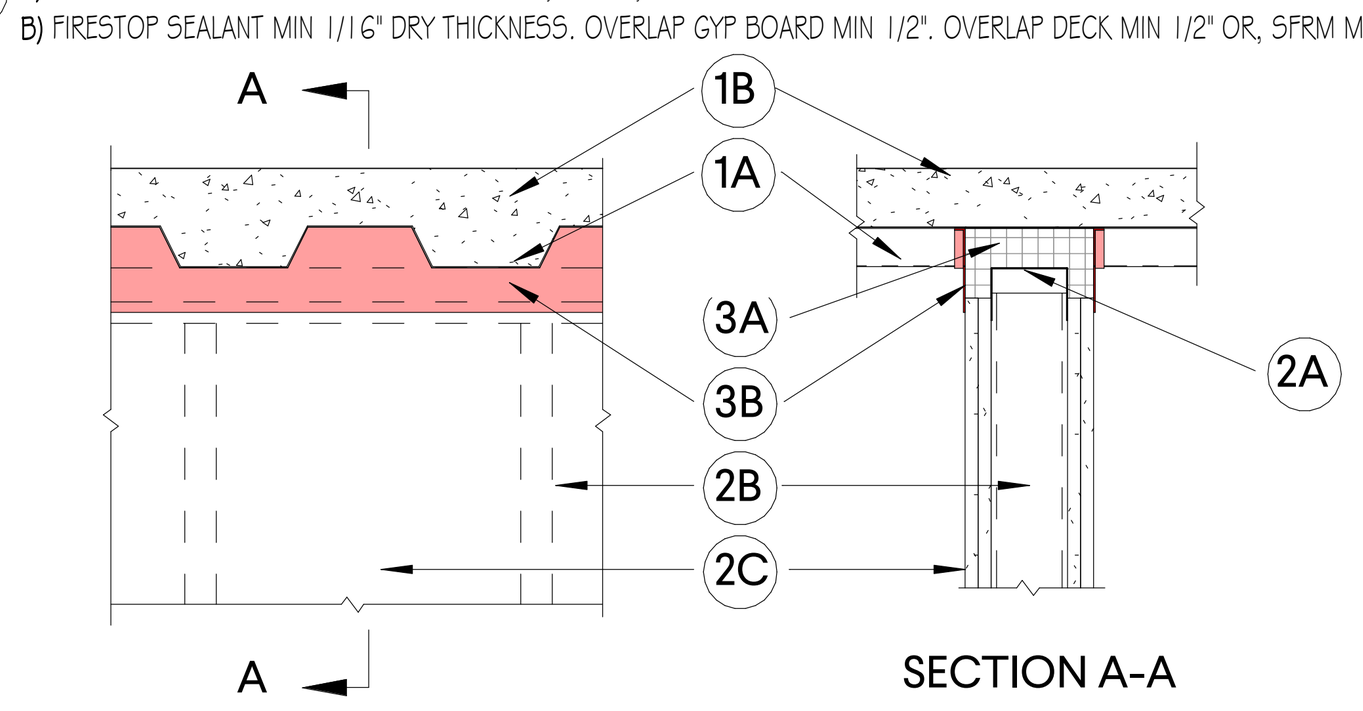


SECTION A-A

A	HW-D-0388
B	HW-D-0377
C	HW-D-0384

GYPSUM STUD WALL PERPENDICULAR TO CONCRETE OVER FLUTED METAL DECK (MAX. JW 1-1/2")

1. FLOOR ASSEMBLY - FIRE-RATED FLUTED DECK/CONCRETE ASSEMBLY (PER D700 OR D900 FLOOR-CEILING DESIGN) INCLUDING:
   A) STEEL DECK, MAX 3" DP.
   B) CONCRETE, MIN 2-1/2" TH ABOVE TOP PLANE OF DECK
   C) STEEL ATTACHMENT CLIPS (OPTIONAL) USED TO SECURE CEILING RUNNER WHEN SFRM IS APPIED TO UNDERSIDE OF DECK PRIOR TO INSTALLATION OF HEAD OF WALL CEILING RUNNER.
   D) SPRAY-APPLIED FIRE RESISTIVE MATERIAL (OPTIONAL) DECK MAY BE SPRAYED W/ SFRM AS PER D700 SERIES DESIGN
2. WALL ASSEMBLY - 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STEEL STUD WALL ASSEMBLY INCLUDING:
   A) STEEL FLOOR RUNNERS, MIN 25 GA GALV STEEL CHANNELS, OR, A1) (ALTERNATIVE) SLOTTED DEFLECTION RUNNER.
   B) STEEL STUDS, MIN 3-1/2" W. STUDS CUT 1-1/4" TO 1-1/2" LESS IN LENGTH THAN ASSEMBLY HEIGHT. MAX SPACING 24" O.C.
   C) GYPSUM BOARD - ONE OR TWO LAYERS 5/8" TH GYPSUM BOARD AS REQ'D FOR RATED ASSEMBLY W/ TOP GAP OF MAX 1-1/2" TO UNDERSIDE OF DECK.
3. A) FORMING MATERIAL - MINERAL WOOL BATTS, PLUGS, OR PRECUT STRIPS
   B) FIRESTOP SEALANT MIN 1/16" DRY THICKNESS. OVERLAP GYP BOARD MIN 1/2". OVERLAP DECK MIN 1/2" OR, SFRM MIN 2"

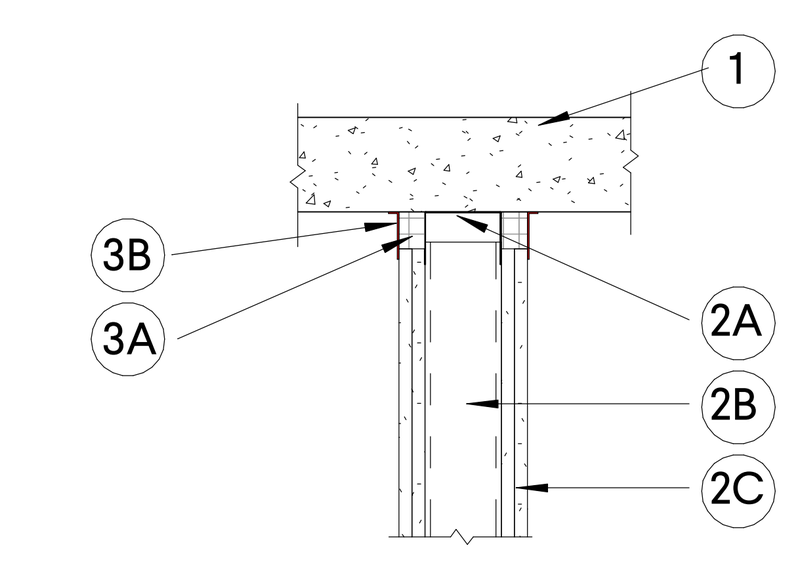


SECTION A-A

A	HW-D-0538
B	HW-D-0043
C	HW-D-0604

GYPSUM STUD WALL TO CONCRETE FLOOR (MAX. JW 1-1/2")

1. FLOOR ASSEMBLY - MIN 4-1/2" TH REINFORCED STRUCTURAL CONCRETE. FLOOR MAY ALSO BE ANY 6" TH UL CLASSIFIED HOLLOW CORE PRECAST CONCRETE UNITS
2. WALL ASSEMBLY - 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STEEL STUD WALL ASSEMBLY CONSTRUCTED PER INDIVIDUAL U400 OR V400 SERIES DESIGN, INCLUDING:
   A) STEEL FLOOR RUNNERS, MIN 25 GA GALV STEEL CHANNELS, OR, A1) (ALTERNATIVE) SLOTTED DEFLECTION RUNNER.
   B) STEEL STUDS, MIN 3-1/2" W. STUDS CUT 1-1/4" TO 1-1/2" LESS IN LENGTH THAN ASSEMBLY HEIGHT W/ BOTTOM NESTING IN AND RESTING ON FLOOR RUNNER AND W/ TOP NESTING IN CEILING RUNNER WITHOUT ATTACHMENT. MAX SPACING 24" O.C.
   C) GYPSUM BOARD - ONE OR TWO LAYERS 5/8" TH GYPSUM BOARD AS REQ'D FOR RATED ASSEMBLY W/ TOP GAP OF MAX 1-1/2" TO UNDERSIDE OF CONCRETE FLOOR.
3. A) FORMING MATERIAL - MINERAL WOOL BATTS OR PRECUT STRIPS
   B) FIRESTOP SEALANT MIN 1/16" DRY THICKNESS ON EACE SIDE OF WALL. OVERLAP GYP BOARD AND CONCRETE MIN 1/2".

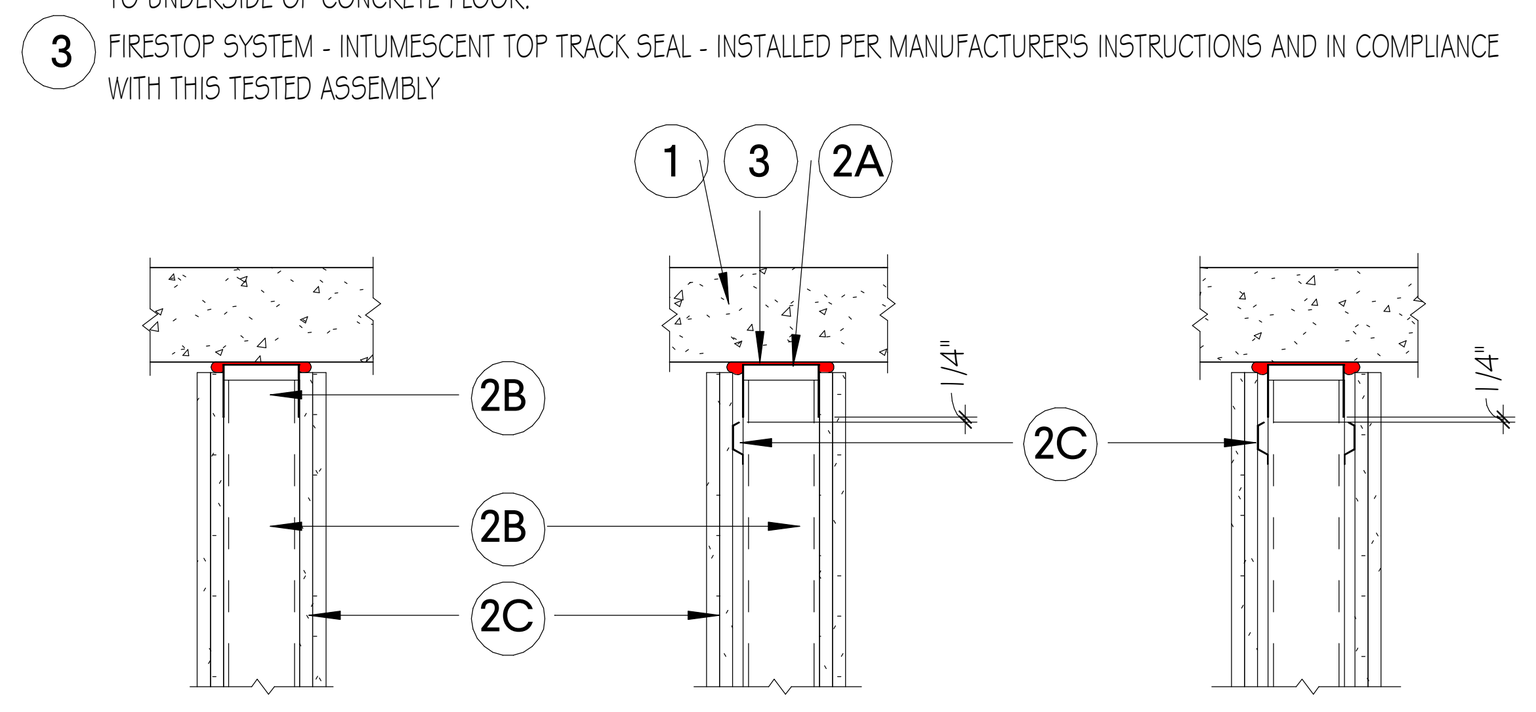


SECTION A-A

A	HW-D-0540
B	HW-D-0031
C	HW-D-0043

GYPSUM STUD WALL TO CONCRETE FLOOR W/ INTUMESCENT TOP TRACK SEAL

1. FLOOR ASSEMBLY - MIN 4-1/2" TH REINFORCED STRUCTURAL CONCRETE. FLOOR MAY ALSO BE ANY 6" TH UL CLASSIFIED HOLLOW CORE PRECAST CONCRETE UNITS
2. WALL ASSEMBLY - 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STEEL STUD WALL ASSEMBLY CONSTRUCTED PER INDIVIDUAL U400 OR V400 SERIES DESIGN, INCLUDING:
   A) STEEL FLOOR RUNNERS, MIN 25 GA GALV STEEL CHANNELS, OR, A1) (ALTERNATIVE) SLOTTED DEFLECTION RUNNER.
   B) STEEL STUDS, MIN 3-1/2" W. STUDS CUT 3/4" TO 1" LESS IN LENGTH THAN ASSEMBLY HEIGHT W/ BOTTOM NESTING IN AND RESTING ON FLOOR RUNNER AND W/ TOP NESTING IN CEILING RUNNER WITHOUT ATTACHMENT. MAX SPACING 24" O.C.
   C) RESILIENT CHANNEL (OPTIONAL) 1/2" DP 25 GA RESIL. FURRING CHANNEL SECURED TO STUDS ONE OR BOTH SIDES OF WALL
   D) GYPSUM BOARD - ONE OR TWO LAYERS 5/8" TH GYPSUM BOARD AS REQ'D FOR RATED ASSEMBLY W/ TOP GAP OF MAX 1/2" TO UNDERSIDE OF CONCRETE FLOOR.
3. FIRESTOP SYSTEM - INTUMESCENT TOP TRACK SEAL - INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND IN COMPLIANCE WITH THIS TESTED ASSEMBLY

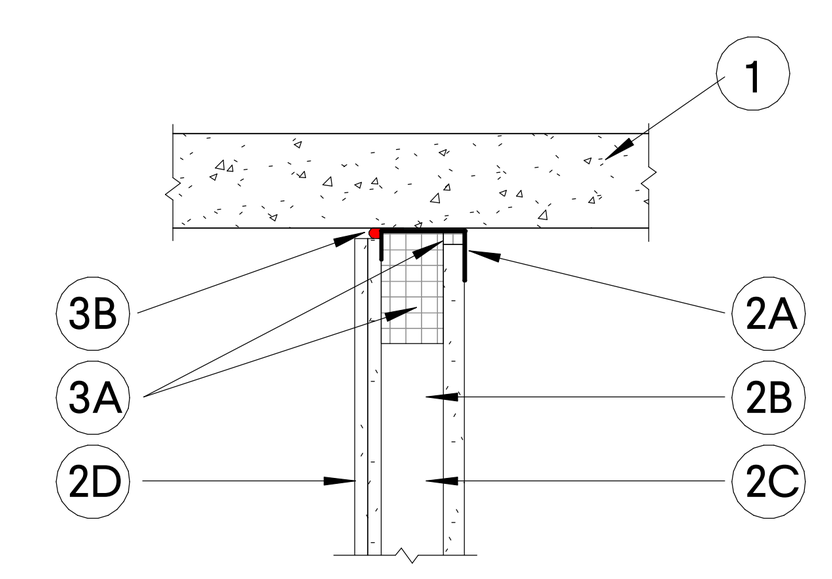


CONFIGURATION A CONFIGURATION B CONFIGURATION C

A	HW-D-0757
B	HW-D-1059
C	HW-D-0748

GYPSUM SHAFT WALL TO FLAT CONCRETE FLOOR W/ INTUMESCENT TOP TRACK SEAL

1. FLOOR ASSEMBLY - MIN 4-1/2" TH REINFORCED STRUCTURAL CONCRETE. FLOOR MAY ALSO BE ANY 6" TH UL CLASSIFIED HOLLOW CORE PRECAST CONCRETE UNITS
2. SHAFT WALL ASSEMBLY - 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STEEL STUD SHAFT WALL ASSEMBLY INCLUDING:
   A) STEEL FLOOR AND CEILING RUNNERS, MIN 24 GA GALV STEEL J-SHAPED CHANNELS, MIN 4" W, W/ UNEQUAL LEGS MIN 1-1/4" AND 2-1/4".
   B) STEEL STUDS, MIN 24 GA GALV C-H SHAPED STUDS, MIN 4" W. STUDS CUT 3/8 TO 1/2" LESS IN LENGTH THAN ASSEMBLY HEIGHT. MAX SPACING 24" O.C.
   C) GYPSUM BOARD - 1" TH GYPSUM BOARD LINER PANELS AS REQ'D FOR RATED ASSEMBLY.
   D) GYPSUM BOARD - 1/2 OR 5/8" TH, ON FINISHED SIDE OF WALL W/ BOTTOM FLOOR GAP OF MAX 1/2".
3. A) FORMING MATERIAL - MINERAL WOOL, TIGHTLY PACKED.
   B) FIRESTOP SYSTEM - INTUMESCENT TOP TRACK SEAL AT FINISHED SIDE OF WALL - INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND IN COMPLIANCE WITH THIS TESTED ASSEMBLY

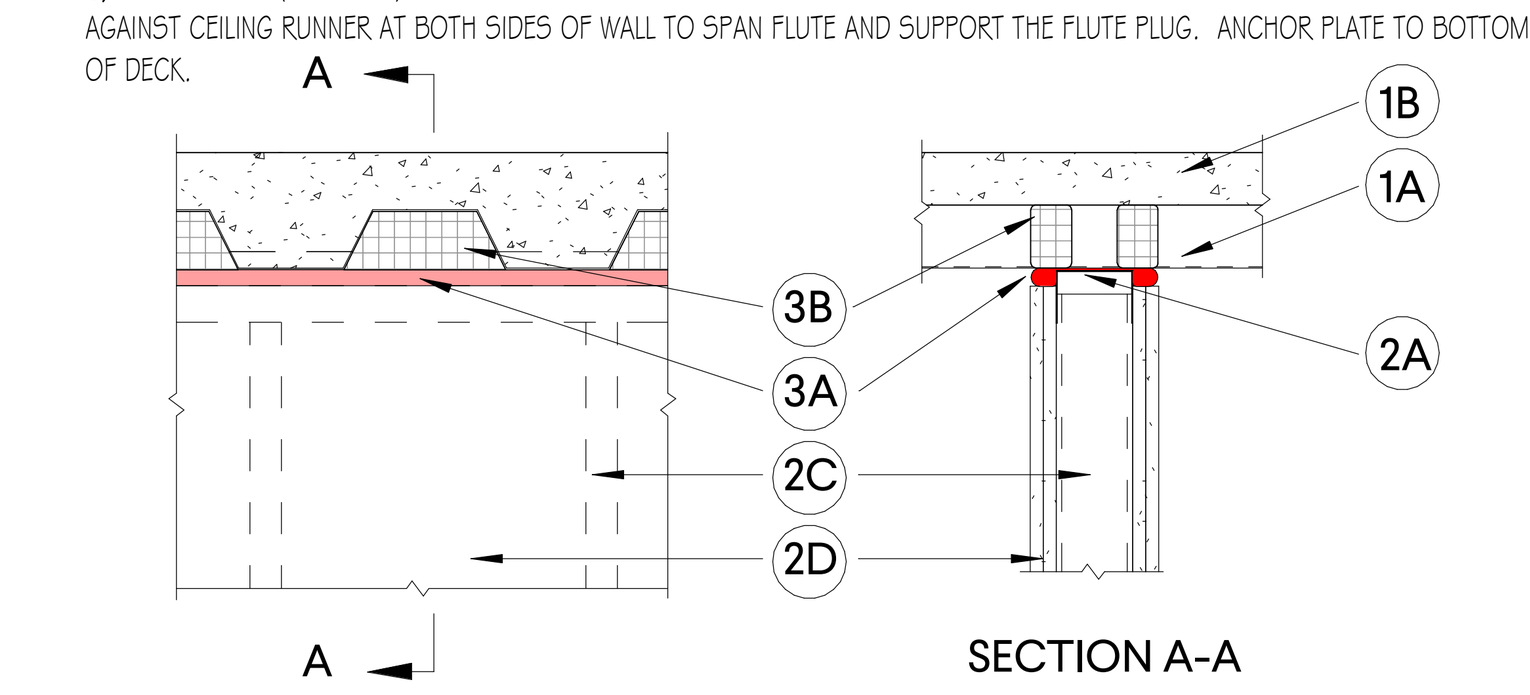


SECTION A-A

A	HW-D-0824
B	HW-D-0552
C	N/A

GYPSUM STUD WALL PERPENDICULAR TO CONCRETE OVER FLUTED METAL DECK W/ INTUMESCENT TOP TRACK SEAL

1. FLOOR ASSEMBLY - FIRE-RATED FLUTED DECK/CONCRETE ASSEMBLY (PER D700 OR D900 FLOOR-CEILING DESIGN) INCLUDING:
   A) STEEL DECK, MAX 3" DP.
   B) CONCRETE, MIN 2-1/2" TH ABOVE TOP PLANE OF DECK
   C) SPRAY-APPLIED FIRE RESISTIVE MATERIAL (OPTIONAL) DECK MAY BE SPRAYED W/ SFRM AS PER D700 OR D900 SERIES DESIGN
2. WALL ASSEMBLY - 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STEEL STUD WALL ASSEMBLY (PER U400 SERIES DESIGN INCLUDING:
   A) STEEL FLOOR RUNNERS, MIN 25 GA GALV STEEL CHANNELS, OR, A1) (ALTERNATIVE) SLOTTED DEFLECTION RUNNER.
   B) STEEL STUDS, MIN 3-1/2" W. STUDS CUT 3/4" TO 1" LESS IN LENGTH THAN ASSEMBLY HEIGHT. MAX SPACING 24" O.C.
   C) GYPSUM BOARD - ONE OR TWO LAYERS 5/8" TH GYPSUM BOARD AS REQ'D FOR RATED ASSEMBLY W/ TOP GAP OF MAX 1-1/2" TO UNDERSIDE OF DECK.
3. A) FIRESTOP SYSTEM - INTUMESCENT TOP TRACK SEAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS
   B) FORMING MATERIAL - MINERAL WOOL PREFORMED PLUGS
   C) STEEL PLATES (OPTIONAL) NOT APPLICABEL WHEN SFRM IS USED. NOM 2" W X 10" L BY MIN 20 GA STEEL PLATE BUTTED AGAINST CEILING RUNNER AT BOTH SIDES OF WALL TO SPAN FLUTE AND SUPPORT THE FLUTE PLUG. ANCHOR PLATE TO BOTTOM OF DECK.

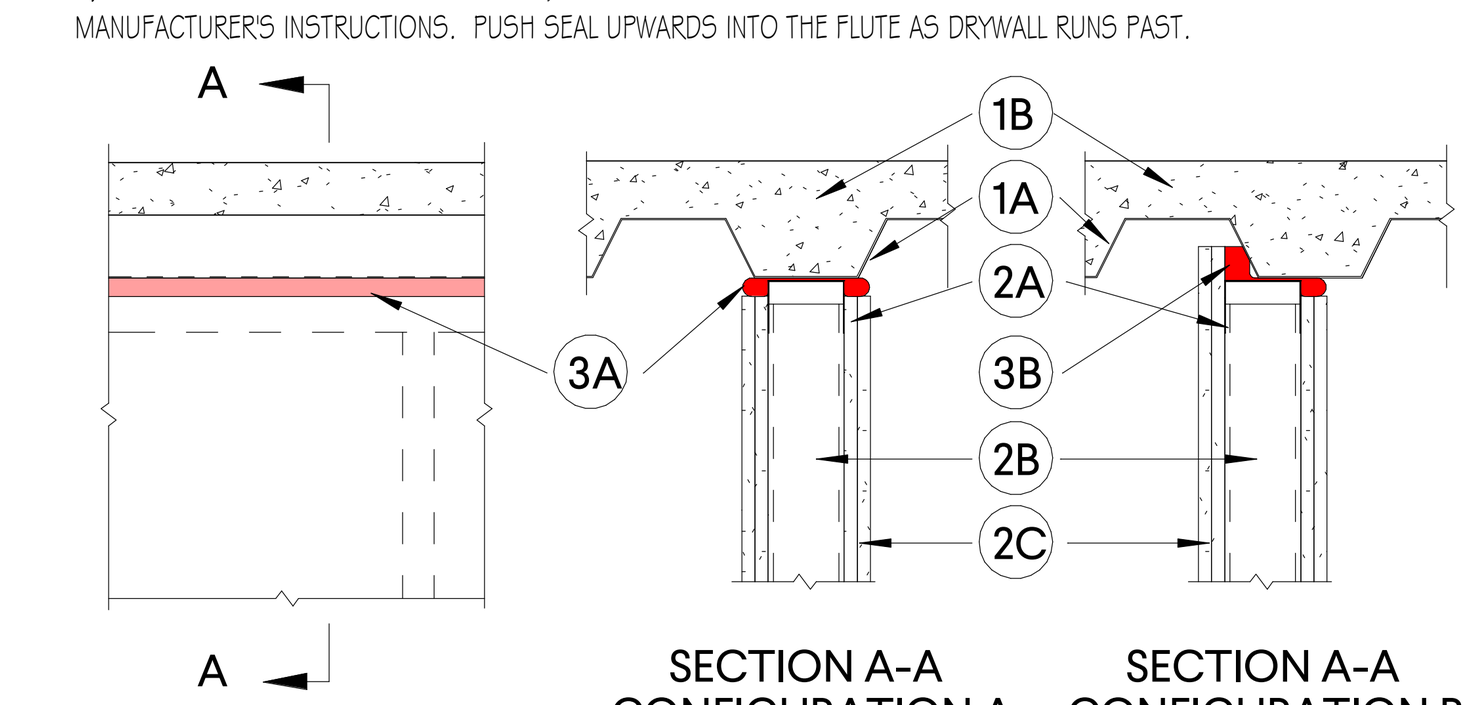


SECTION A-A

A	HW-D-0871
B	HW-D-0973
C	HW-D-0031

GYPSUM STUD WALL PARALLEL TO CONCRETE OVER FLUTED METAL DECK W/ INTUMESCENT TOP TRACK SEAL

1. FLOOR ASSEMBLY - FIRE-RATED FLUTED DECK/CONCRETE ASSEMBLY (PER D700 OR D900 FLOOR-CEILING DESIGN) INCLUDING:
   A) STEEL DECK, MAX 3" DP.
   B) CONCRETE, MIN 2-1/2" TH ABOVE TOP PLANE OF DECK
   C) SPRAY-APPLIED FIRE RESISTIVE MATERIAL (OPTIONAL) DECK MAY BE SPRAYED W/ SFRM AS PER D700 OR D900 SERIES DESIGN
2. WALL ASSEMBLY - 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STEEL STUD WALL ASSEMBLY (PER U400 SERIES DESIGN INCLUDING:
   A) STEEL FLOOR RUNNERS, MIN 25 GA GALV STEEL CHANNELS, OR, A1) (ALTERNATIVE) SLOTTED DEFLECTION RUNNER.
   B) STEEL STUDS, MIN 3-1/2" W. STUDS CUT 3/4" TO 1" LESS IN LENGTH THAN ASSEMBLY HEIGHT. MAX SPACING 24" O.C.
   C) GYPSUM BOARD - ONE OR TWO LAYERS 5/8" TH GYPSUM BOARD AS REQ'D FOR RATED ASSEMBLY. MAX TOP GAP TO UNDERSIDE OF DECK VARIES 7/8", 1", OR 1-5/8" . MAINTAIN JOINT WIDTH TO MOVEMENT CAPABILITY AS TESTED IN THIS ASSEMBLY.
3. A) FIRESTOP SYSTEM - CONFIGURATION A, TOP TRACK IN LINE W/ FLUTE - INTUMESCENT TOP TRACK SEAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS
   B) FIRESTOP SYSTEM - CONFIGURATION B, TOP TRACK OFFSET FROM FLUTE - INTUMESCENT TOP TRACK SEAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS. PUSH SEAL UPWARDS INTO THE FLUTE AS DRYWALL RUNS PAST.

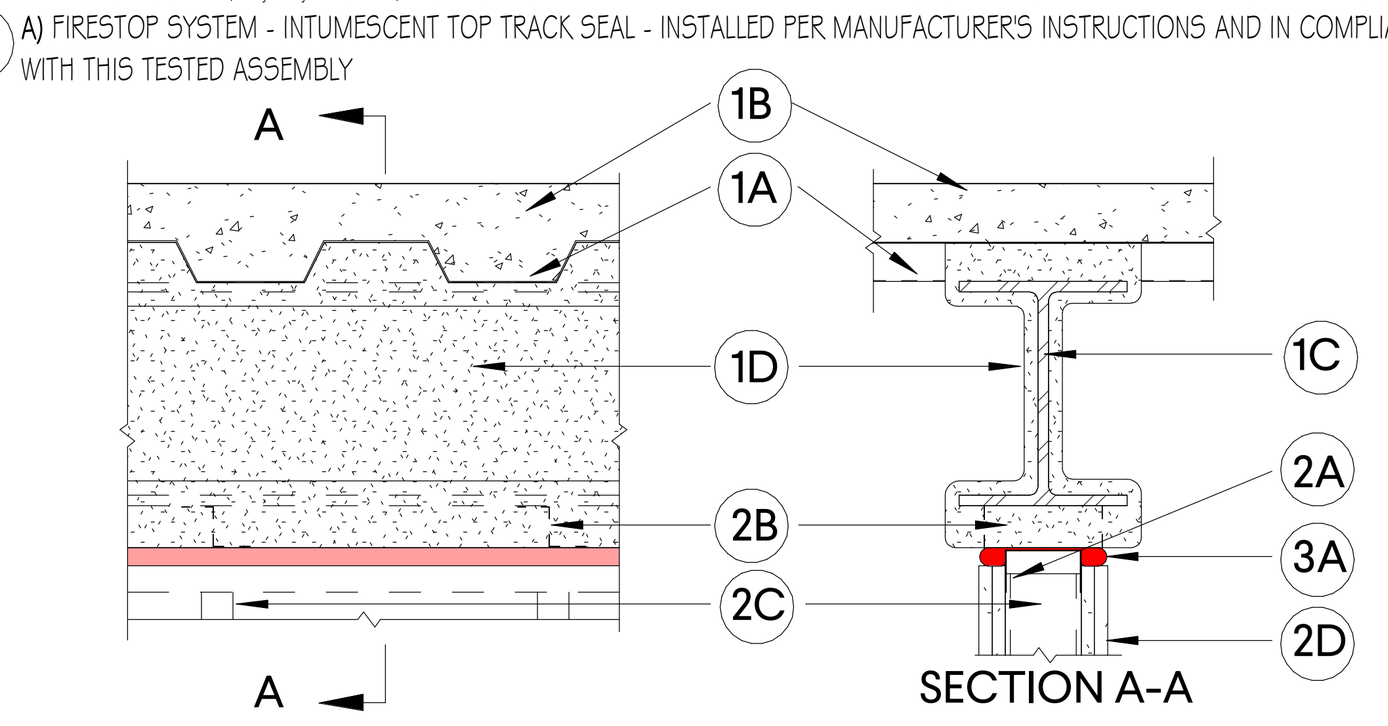


SECTION A-A CONFIGURATION A SECTION A-A CONFIGURATION B

A	HW-D-0872
B	HW-D-0972
C	HW-D-0192

GYPSUM STUD WALL TO BOTTOM OF FIREPROOFED BEAM W/ INTUMESCENT TOP TRACK SEAL (MAX JW 1/2")

1. FLOOR ASSEMBLY - FIRE-RATED FLUTED DECK/CONCRETE ASSEMBLY (PER D700 OR D900 FLOOR-CEILING DESIGN) INCLUDING:
   A) STEEL DECK, MAX 3" DP.
   B) CONCRETE, MIN 2-1/2" TH ABOVE TOP PLANE OF DECK
   C) STRUCTURAL STEEL SUPPORT - STEEL BEAM
   D) SPRAY-APPLIED FIRE RESISTIVE MATERIAL (OPTIONAL) DECK MAY BE SPRAYED W/ SFRM AS PER D900 SERIES DESIGN
2. WALL ASSEMBLY - 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STEEL STUD WALL ASSEMBLY AS PER U400, V400, OR W400 SERIES DESIGN INCLUDING:
   A) STEEL FLOOR RUNNERS, MIN 25 GA GALV STEEL CHANNELS, OR, A1) (ALTERNATIVE) SLOTTED DEFLECTION RUNNER.
   B) STEEL ATTACHEMENT CLIPS - Z-CLIPS, MIN 20 GA, BETWEEN BOTTOM OF BEAM AND AND TOP RUNNER
   C) STEEL STUDS, MIN 3-1/2" W. STUDS CUT 1-1/4" TO 1-1/2" LESS IN LENGTH THAN ASSEMBLY HEIGHT. MAX SPACING 24" O.C.
   D) GYPSUM BOARD - ONE OR TWO LAYERS 5/8" TH GYPSUM BOARD AS REQ'D FOR RATED ASSEMBLY. MAX TOP GAP TO UNDERSIDE OF DECK VARIES 7/8", 1", OR 1-5/8" . MAINTAIN JOINT WIDTH TO MOVEMENT CAPABILITY AS TESTED IN THIS ASSEMBLY.
3. A) FIRESTOP SYSTEM - INTUMESCENT TOP TRACK SEAL - INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND IN COMPLIANCE WITH THIS TESTED ASSEMBLY

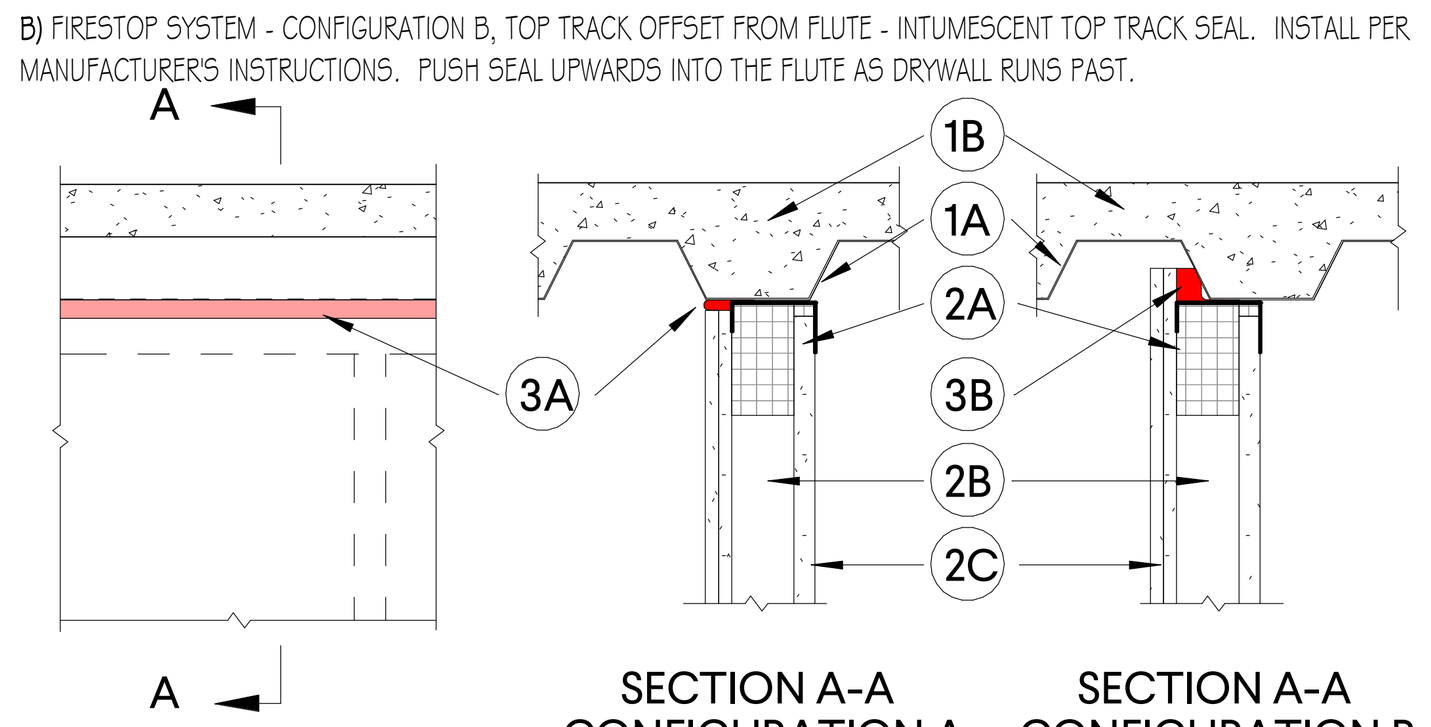


SECTION A-A

A	HW-D-0875
B	N/A
C	HW-D-0465

GYPSUM SHAFT WALL PARALLEL TO CONCRETE OVER FLUTED METAL DECK W/ INTUMESCENT TOP TRACK SEAL

1. FLOOR ASSEMBLY - FIRE-RATED FLUTED DECK/CONCRETE ASSEMBLY (PER D700 OR D900 FLOOR-CEILING DESIGN) INCLUDING:
   A) STEEL DECK, MAX 3" DP.
   B) CONCRETE, MIN 2-1/2" TH ABOVE TOP PLANE OF DECK
2. SHAFT WALL ASSEMBLY - 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STEEL STUD SHAFT WALL ASSEMBLY INCLUDING:
   A) STEEL FLOOR, WALL, & CEILING RUNNERS, MIN 24 GA GALV STEEL J-SHAPED CHANNELS, MIN 4" W, W/ UNEQUAL LEGS MIN 1" & 2".
   B) STEEL STUDS, MIN 24 GA GALV C-H SHAPED STUDS, MIN 4" W. STUDS CUT 1/2" LESS IN LENGTH THAN ASSEMBLY HEIGHT. MAX SPACING 24" O.C.
   C) GYPSUM BOARD - 1" TH GYPSUM BOARD LINER PANELS AS REQ'D FOR RATED ASSEMBLY.
   D) GYPSUM BOARD - 5/8" TH TYPE C IN ONE OR TWO LAYERS, ON FINISHED SIDE OF WALL W/ BOTTOM FLOOR GAP OF MAX 1/2".
3. A) FIRESTOP SYSTEM - CONFIGURATION A, TOP TRACK IN LINE W/ FLUTE - INTUMESCENT TOP TRACK SEAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS
   B) FIRESTOP SYSTEM - CONFIGURATION B, TOP TRACK OFFSET FROM FLUTE - INTUMESCENT TOP TRACK SEAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS. PUSH SEAL UPWARDS INTO THE FLUTE AS DRYWALL RUNS PAST.

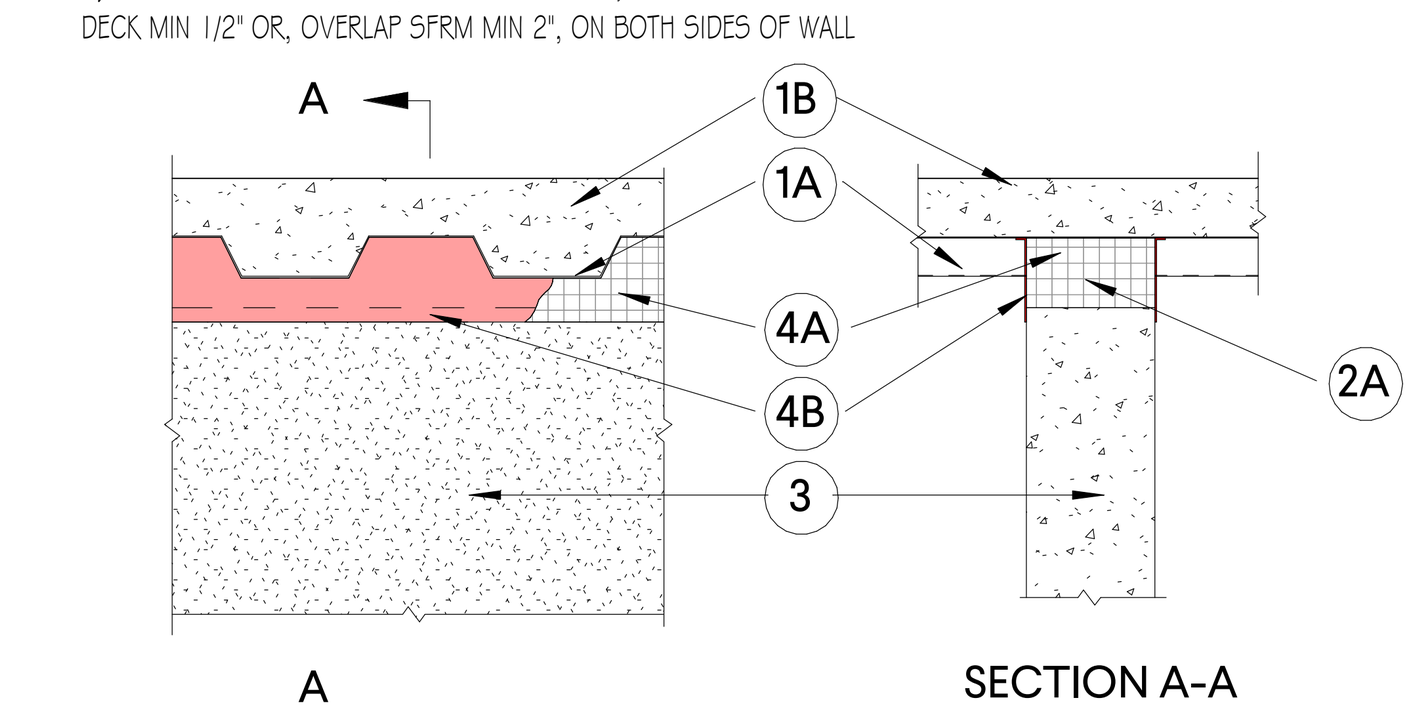


SECTION A-A CONFIGURATION A SECTION A-A CONFIGURATION B

A	HW-D-0882
B	N/A
C	N/A

CONC. OR BLOCK WALL PERPENDICULAR TO CONCRETE OVER FLUTED METAL DECK (MAX. JW 3-1/2")

1. FLOOR ASSEMBLY - FIRE-RATED FLUTED DECK/CONCRETE ASSEMBLY (PER D700 OR D900 FLOOR-CEILING DESIGN) INCLUDING:
   A) STEEL DECK, MAX 3" DP.
   B) CONCRETE, MIN 2-1/2" TH ABOVE TOP PLANE OF DECK
   C) SPRAY-APPLIED FIRE RESISTIVE MATERIAL (OPTIONAL) DECK MAY BE SPRAYED W/ SFRM AS PER D700 SERIES DESIGN
2. ROOF ASSEMBLY - AS AN ALTERNATE TO ITEMS 1A AND 1B, A FIRE-RATED PROTECTED FLUTED STEEK DECK ROOF ASSEMBLY (PER P700 ROOF/CEILING DESIGN) INCLUDING:
   A) STEEL DECK, MAX 3" DP. B) SPRAY-APPLIED FIRE RESISTIVE MATERIALS APPLIED AS PER P700 SERIES DESIGN.
3. WALL ASSEMBLY - MIN 8" TH REINFORCED STRUCTURAL CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS.
4. A) FORMING MATERIAL - MINERAL WOOL BATTS, PLUGS, OR PRECUT STRIPS
   B) FIRESTOP SEALANT MIN 1/8" WET THICKNESS, SPRAYED OR TROWELED. OVERLAP CONCRETE WALL MIN 1/2". OVERLAP STEEL DECK MIN 1/2" OR, OVERLAP SFRM MIN 2", ON BOTH SIDES OF WALL

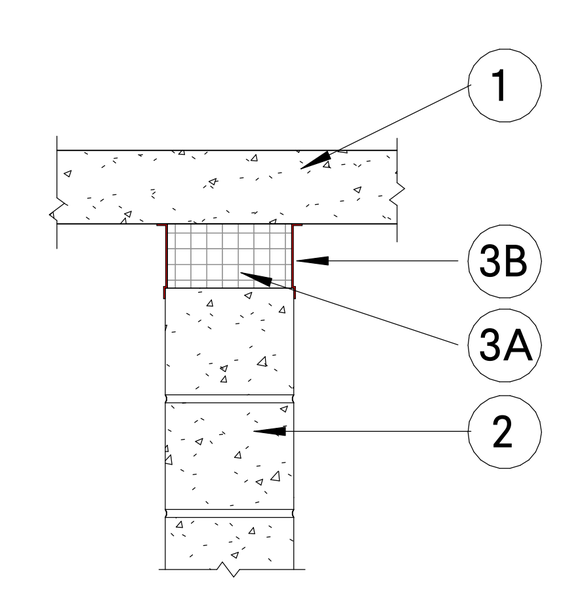


SECTION A-A

A	HW-D-1037
B	HW-D-1123
C	HW-D-1076

CONC. OR BLOCK WALL TO CONCRETE FLOOR (MAX. JW 3-1/4")

1. FLOOR ASSEMBLY - MIN 4-1/2" TH REINFORCED STRUCTURAL CONCRETE.
2. WALL ASSEMBLY - MIN 8" TH REINFORCED STRUCTURAL CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS.
3. A) FORMING MATERIAL - MINERAL WOOL BATTS, PLUGS, OR PRECUT STRIPS
   B) FIRESTOP SEALANT MIN 1/8" WET THICKNESS, SPRAYED OR TROWELED. OVERLAP CONCRETE FLOOR AND CONCRETE WALL MIN 1/2".

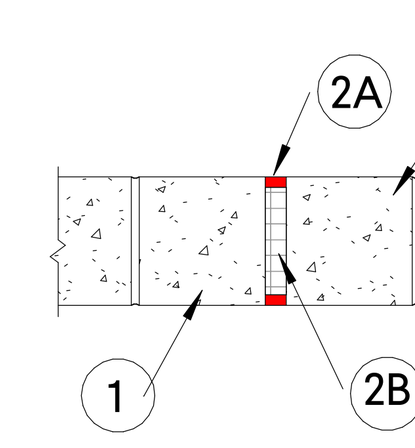


SECTION A-A

A	HW-D-1058
B	HW-D-1010
C	HW-D-1034

CONCRETE WALL TO WALL JOINT (MAX. JW 1")

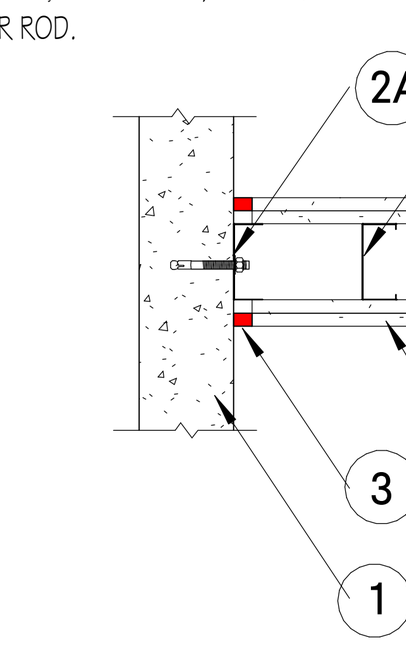
1. WALL ASSEMBLY - MIN 8" TH REINFORCED STRUCTURAL CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS.
2. A) FIRESTOP SEALANT INSTALLED FLUSH WITH EACH SURFACE OF WALL. MIN THICKNESS 1/4" (FOR 1 & 2 HR RATING) OR 1/2" (FOR 3 HR RATING)
   B) FORMING MATERIAL (OPTIONAL) - MINERAL WOOL OR POLYETHYLENE OR POLYURETHANE FOAM BACKER ROD.



A	WW-D-0032
B	WW-D-0021
C	WW-D-0103

GYPSUM WALL TO CONCRETE OR BLOCK WALL JOINT (MAX. JW 1")

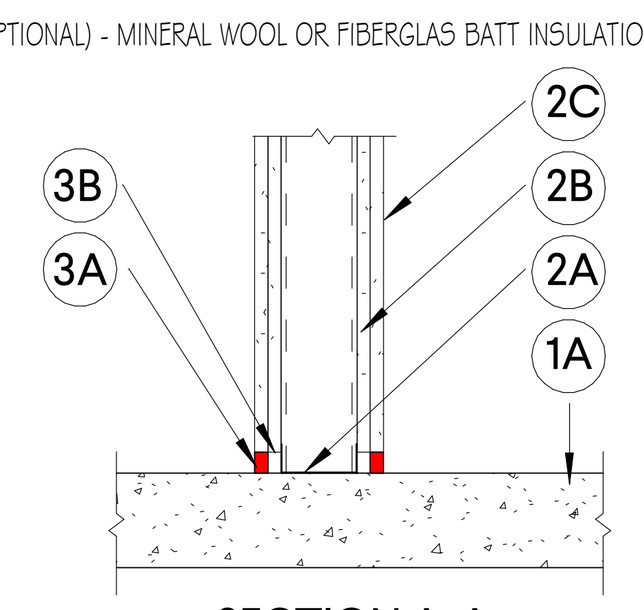
1. CONCRETE WALL ASSEMBLY - MIN 4-1/2" TH REINFORCED STRUCTURAL CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS.
2. GYPSUM WALL ASSEMBLY - THE 1, 2, 3, OR 4 HR FIRE RATED GYPSUM BOARD/STEEL STUD WALL ASSEMBLY (PER THE INDIVIDUAL U400 DESIGN) INCLUDING:
   A) STEEL RUNNERS - MIN 25 GA GALV STEEL CHANNELS WITH MIN 1-1/4" FLANGES.
   B) STEEL STUDS, MIN 3-1/2" W CUT 1/2 TO 3/4" LESS IN LENGTH THAN ASSEMBLY HEIGHT. MAX SPACING 24" O.C.
   C) GYPSUM BOARD - ONE, TWO, THREE, OR FOUR LAYERS OF 5/8" TH GYPSUM BOARD FOR 1, 2, 3, OR 4 HR RATED ASSEMBLIES, RESPECIVELY. MAX GAP BETWEEN EDGE OF GYPSUM BOARD AND FACE OF CONCRETE WALL: 1" AT 1 & 2 HR RATED ASSEMBLIES, 3/4" FOR 3 HR ASSEMBLIES, OR 7/8" FOR 4 HR ASSEMBLIES.
3. A) FIRESTOP SEALANT INSTALLED FLUSH WITH EACH SURFACE OF WALL. MIN THICKNESS 5/8" (FOR 1 & 2 HR RATINGS) OR 1" (FOR 3 & 4 HR RATINGS)
   B) FORMING MATERIAL (OPTIONAL, NOT SHOWN) - MINERAL WOOL OR FIBERGLASS BATT INSULATION OR, POLYETHYLENE OR POLYURETHANE FOAM BACKER ROD.



A	WW-D-0040
B	WW-D-0074
C	WW-D-0064

GYPSUM STUD WALL TO CONCRETE FLOOR W/APPLIED SEALANT JOINT

1. A) FLOOR ASSEMBLY - MIN 4-1/2" TH REIINFORCED STRUCTURAL CONCRETE OR, ANY 6" TH UL CLASSIFIED HOLLOW-CORE PRECAST CONCRETE UNITS.
   B) NOT SHOWN, ALTERNATE FOR 1 AND 2 HR RATINGS ONLY. FIRE-RATED FLUTED STEEL DECK/CONCRETE ASSEMBLY MEETING D700 OR D900 SERIES FLOOR-CEILING DESIGN CONSISTING OF: MIN 3" DP GALV STEEL FLUTED UNITS AND MIN 2-1/2" TH REINFORCED CONCRETE ABOVE TOP PLANE OF THE FLUTES.
2. WALL ASSEMBLY - 1, 2, 3, OR 4 HR FIRE-RATED GYPSUM BOARD/STEEL STUD WALL ASSEMBLY INCLUDING:
   A) STEEL FLOOR RUNNERS, MIN 25 GA GALV STEEL CHANNELS
   B) STEEL STUDS, MIN 3-1/2" W. STUDS CUT 1/2 TO 3/4" LESS IN LENGTH THAN ASSEMBLY HEIGHT. MAX SPACING 24" O.C.
   C) GYPSUM BOARD - ONE, TWO, THREE, OR 4 LAYERS 5/8" TH GYPSUM BOARD AS REQ'D FOR RATED ASSEMBLY W/ BOTTOM FLOOR GAP OF MAX 1" (1 & 2 HR RATED ASSEMBLIES) OR 7/8" (3 & 4 HR RATED ASSEMBLIES)
3. A) FIRESTOP SEALANT@ FLOOR GAP, MIN 5/8" TH @ 1 & 2 HR ASSEMBLIES, MIN 1" TH @ 3 & 4 HR ASSEMBLIES. TOOL FLUSH W/ FINISH FACE OF WALL.
   B) FORMING MATERIAL (OPTIONAL) - MINERAL WOOL OR FIBERGLAS BATT INSULATION, OR POLYURETHANE BACKER ROD

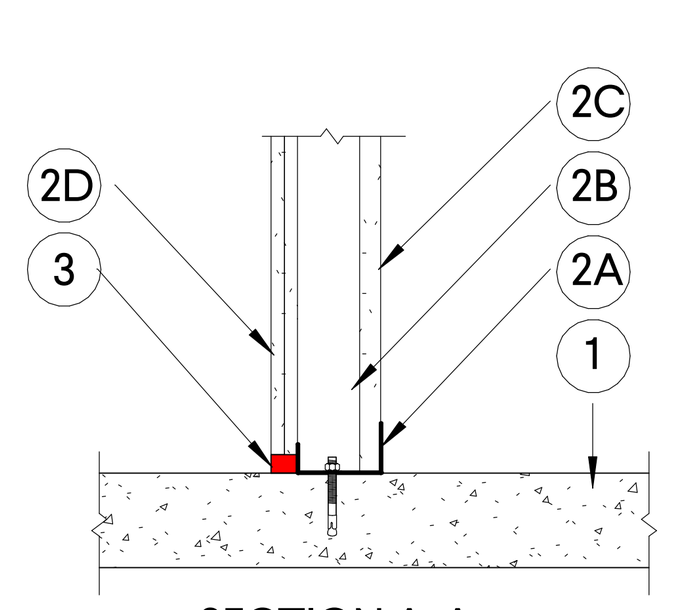


SECTION A-A

A	BW-S-0002
B	BW-S-0007
C	BW-S-0003

GYPSUM SHAFT WALL TO CONCRETE FLOOR W/APPLIED SEALANT JOINT

1. FLOOR ASSEMBLY - MIN 2-1/2" TH REIINFORCED STRUCTURAL CONCRETE
2. WALL ASSEMBLY - 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STEEL STUD SHAFT WALL ASSEMBLY INCLUDING:
   A) STEEL FLOOR AND CEILING RUNNERS, MIN 24 GA GALV STEEL J-SHAPED CHANNELS W/ UNEQUAL LEGS MIN 1-1/4" AND 2".
   B) STEEL STUDS, MIN 24 GA GALV C-H SHAPED STUDS, MIN 2-1/2" W. STUDS CUT 3/8 TO 1/2" LESS IN LENGTH THAN ASSEMBLY HEIGHT. MAX SPACING 24" O.C.
   C) GYPSUM BOARD - 1" TH GYPSUM BOARD LINER PANELS AS REQ'D FOR RATED ASSEMBLY.
   D) GYPSUM BOARD - 1/2 OR 5/8" TH, ON FINISHED SIDE OF WALL W/ BOTTOM FLOOR GAP OF MAX 3/4".
3. FIRESTOP SEALANT@ FLOOR GAP, MAX 3/4" H, FULL DEPTH. TOOL FLUSH W/ FINISH FACE OF WALL.

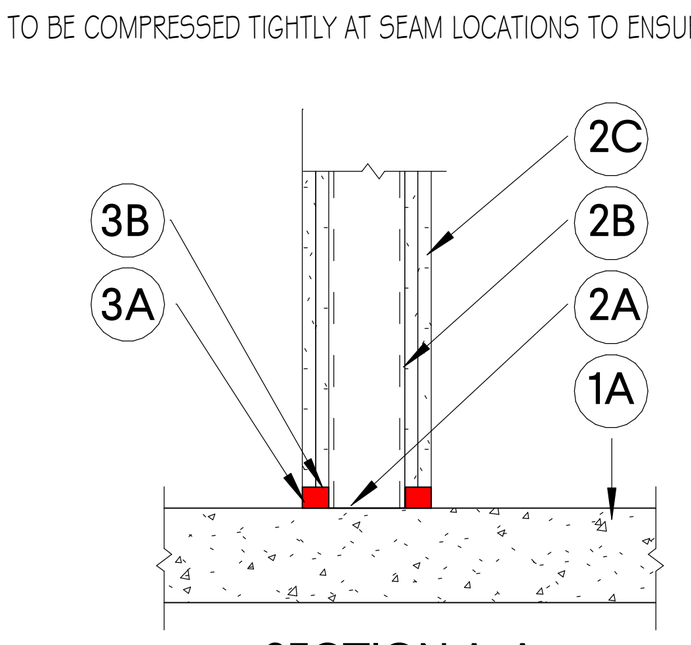


SECTION A-A

A	BW-S-0023
B	BW-S-0037
C	BW-S-0020

GYPSUM STUD WALL TO CONCRETE FLOOR W/INTUMESCENT BOTTOM TRACK SEAL

1. A) FLOOR ASSEMBLY - MIN 4-1/2" TH REIINFORCED STRUCTURAL CONCRETE OR, ANY 6" TH UL CLASSIFIED HOLLOW-CORE PRECAST CONCRETE UNITS.
   B) NOT SHOWN, ALTERNATE FIRE-RATED FLUTED STEEL DECK/CONCRETE ASSEMBLY CONSISTING OF MIN 3" DP GALV STEEL FLUTED UNITS AND MIN 2-1/2" TH REINFORCED CONCRETE MEASURED ABOVE TOP PLANE OF THE FLUTES.
2. WALL ASSEMBLY - 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STEEL STUD WALL ASSEMBLY INCLUDING:
   A) STEEL FLOOR RUNNERS, MIN 25 GA GALV STEEL CHANNELS
   B) STEEL STUDS, MIN 3-1/2" W. STUDS CUT 1/2 TO 3/4" LESS IN LENGTH THAN ASSEMBLY HEIGHT. MAX SPACING 24" O.C.
   C) GYPSUM BOARD - ONE OR 2 LAYERS 5/8" TH GYPSUM BOARD AS REQ'D FOR RATED ASSEMBLY W/ BOTTOM FLOOR GAP OF MAX 1" (1 & 2 HR RATED ASSEMBLIES) OR 7/8" (3 & 4 HR RATED ASSEMBLIES)
   D) BATT INSULATION (NOT SHOWN, OPTIONAL) ANY GLASS FIBER INSULATION BEARING UL CLASSIFICATION MARK.
3. INTUMESCENT BOTTOM TRACK SEAL SECURED TO FLOOR RUNNER W/ADHESIVE BACKING, & RESTING TIGHT TO TOP OF CONCRETE. PRODUCT TO BE COMPRESSED TIGHTLY AT SEAM LOCATIONS TO ENSURE NO GAPS.

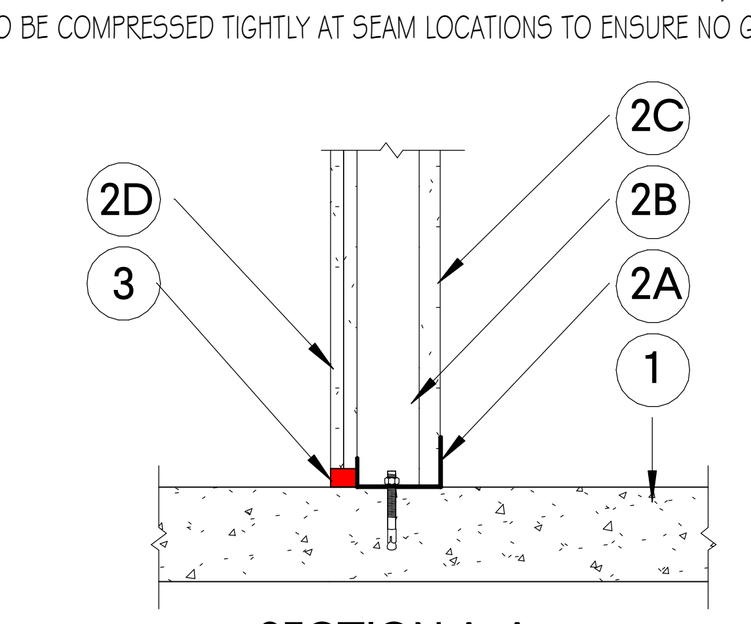


SECTION A-A

A	BW-S-0068
B	BW-S-0008
C	BW-S-0028

GYPSUM SHAFT WALL TO CONCRETE FLOOR W/INTUMESCENT BOTTOM TRACK SEAL

1. A) FLOOR ASSEMBLY - MIN 4-1/2" TH REIINFORCED STRUCTURAL CONCRETE OR, ANY 6" TH UL CLASSIFIED HOLLOW-CORE PRECAST CONCRETE UNITS.
   B) NOT SHOWN, ALTERNATE FIRE-RATED FLUTED STEEL DECK/CONCRETE ASSEMBLY CONSISTING OF MIN 3" DP GALV STEEL FLUTED UNITS AND MIN 2-1/2" TH REINFORCED CONCRETE MEASURED ABOVE TOP PLANE OF THE FLUTES.
2. SHAFT WALL ASSEMBLY - 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STEEL STUD SHAFT WALL ASSEMBLY INCLUDING:
   A) STEEL FLOOR AND CEILING RUNNERS, MIN 24 GA GALV STEEL J-SHAPED CHANNELS W/ UNEQUAL LEGS MIN 1-1/4" AND 2".
   B) STEEL STUDS, MIN 24 GA GALV C-H SHAPED STUDS, MIN 2-1/2" W. STUDS CUT 3/8 TO 1/2" LESS IN LENGTH THAN ASSEMBLY HEIGHT. MAX SPACING 24" O.C.
   C) GYPSUM BOARD - 1" TH GYPSUM BOARD LINER PANELS AS REQ'D FOR RATED ASSEMBLY.
   D) GYPSUM BOARD - 1/2 OR 5/8" TH, ON FINISHED SIDE OF WALL W/ BOTTOM FLOOR GAP OF MAX 3/4".
   E) BATT INSULATION (NOT SHOWN, OPTIONAL) ANY GLASS FIBER INSULATION BEARING UL CLASSIFICATION MARK.
3. INTUMESCENT BOTTOM TRACK SEAL SECURED TO FLOOR RUNNER W/ADHESIVE BACKING, & RESTING TIGHT TO TOP OF CONCRETE. PRODUCT TO BE COMPRESSED TIGHTLY AT SEAM LOCATIONS TO ENSURE NO GAPS.

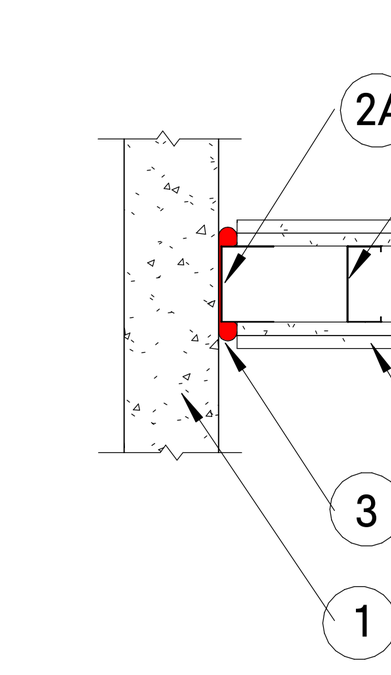


SECTION A-A

A	BW-S-0070
B	N/A
C	BW-S-0029

GYPSUM WALL TO CONCRETE WALL JOINT (MAX. JW 3/4")

1. CONCRETE WALL ASSEMBLY - MIN 4-1/2" TH REINFORCED STRUCTURAL CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS.
2. GYPSUM WALL ASSEMBLY - THE 1OR 2 HR FIRE RATED GYPSUM BOARD/STEEL STUD WALL ASSEMBLY (PER THE INDIVIDUAL U400 DESIGN) INCLUDING:
   A) STEEL RUNNERS - MIN 25 GA GALV STEEL CHANNELS WITH MIN 1-1/4" FLANGES.
   B) STEEL STUDS, MIN 3-1/2" W CUT 3/4" TO 1" LESS IN LENGTH THAN ASSEMBLY HEIGHT. MAX SPACING 24" O.C.
   C) GYPSUM BOARD - ONE OR TWO LAYERS OF 5/8" TH GYPSUM BOARD FOR 1 OR 2 HR RATED ASSEMBLIES, RESPECIVELY. MAX GAP BETWEEN EDGE OF GYPSUM BOARD AND FACE OF CONCRETE WALL: 3/4".
3. FIRESTOP SYSTEM - INTUMESCENT TRACK SEAL. MAX SEPARATION BETWEEN EDGE OF GYPSUM BOARD AND FACE OF CONCRETE WALL ASSEMBLY: 3/4". FACTORY SUPPLIED FOAM SEAL ENSTALLED OVER STEEL RUNNERS PRIOR TO ATTACHMENT TO CONCRETE WALL IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.



A	WW-S-0074
B	WW-D-1241
C	WW-S-0063

JOINT FIRESTOPPING GENERAL NOTES

1. GENERAL

A. ALL THROUGH-PENETRATION FIRESTOP WORK SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 078443 – JOINT FIRESTOPPING.
B. THE DETAILS SHOWN HEREIN ILLUSTRATE FREQUENTLY ENCOUNTERED JOINT FIRESTOPPING CONDITIONS. THEY ARE GENERIC REPRESENTATIONS OF SYSTEMS AVAILABLE FROM SEVERAL MANUFACTURERS.
C. 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 JOINT TYPE AND SUBSTRATE, AND SHALL COMPLY WITH THE SPECIFIC REQUIREMENTS OF A UL LISTED SYSTEM DESIGN.
D. WHERE NO APPLICABLE UL DESIGN IS AVAILABLE FOR A PARTICULAR FIRESTOP CONFIGURATION, SUBMIT AN ENGINEERING JUDGMENT (EJ), OR EQUIVALENT FIRE RESISTANCE RATED ASSEMBLY (EFRRA), PREPARED BY THE FIRESTOP MANUFACTURER.

2. APPLICABILITY

A. PROVIDE JOINT FIRESTOPPING SYSTEMS FOR ALL WALL-TO-WALL, HEAD-OF-WALL, OR BOTTOM-OF-WALL JOINTS OF FIRE RESISTANCE RATED CONSTRUCTION MATCHING WALL RATING, WHETHER OR NOT SPECIFICALLY DETAILED ON THE DRAWINGS.

3. QUALITY ASSURANCE

A. COMPLY WITH "INSTALLER QUALIFICATIONS" AND "ON-SITE RESPONSIBLE PARTY" PROVISIONS OF SPECIFICATION SECTION 078443 – JOINT FIRESTOPPING.
B. OBTAIN ALL FIRESTOPPING MATERIALS THROUGH ONE SOURCE FROM A SINGLE MANUFACTURER.
C. COMMENCE FIRESTOPPING WORK ONLY AFTER SUBMITTALS (INCLUDING MOCKUPS WHERE APPLICABLE) ARE APPROVED, AND PRE-INSTALLATION CONFERENCE IS SUCCESSFULLY CONCLUDED.

4. INSTALLATION - GENERAL

A. COMPLY WITH UL SYSTEM REQUIREMENTS AND FIRESTOPPING MANUFACTURERS' PRINTED INSTALLATION INSTRUCTIONS.
B. INSTALL FORMING 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.
C. INSTALL FILL MATERIALS BY PROVEN TECHNIQUES TO PRODUCE THE FOLLOWING RESULTS:
   1. FILL VOIDS AND CAVITIES FORMED BY OPENINGS, FORMING MATERIALS, AND ACCESSORIES AS REQUIRED TO ACHIEVE FIRE-RESISTANCE RATINGS INDICATED,
   2. APPLY MATERIALS SO THEY CONTACT AND ADHERE TO SUBSTRATES AS REQUIRED FOR SEAMLESS INSTALLATION,
D. FOR FILL MATERIALS THAT WILL REMAIN EXPOSED AFTER COMPLETING WORK, FINISH TO PRODUCE SMOOTH UNIFORM SURFACES THAT ARE FLUSH WITH ADJOINING FINISHES.
E. REMOVE COMBUSTIBLE FORMING MATERIALS, AND OTHER ACCESSORIES, THAT ARE NOT INDICATED AS PERMANENT COMPONENTS OF FIRESTOPPING SYSTEMS. REMOVE EXCESS SEALANT FROM ADJOINING SURFACES.
F. IDENTIFY JOINT FIRESTOPPING SYSTEMS WITH PERMANENTLY ATTACHED,PREPRINTED METAL OR PLASTIC LABELS, AS SPECIFIED.
G. 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

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

KEY TO MANUFACTURERS

A	HILTI
B	3M
C	STI

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ISSUE	DATE
ISSUED FOR BID	2026.11.06

DRAWN BY: Author
CHECKED BY: Checker

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
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ACCS 2025 130 ESCC
GMC ABHM250051



JOINT FIRESTOPPING

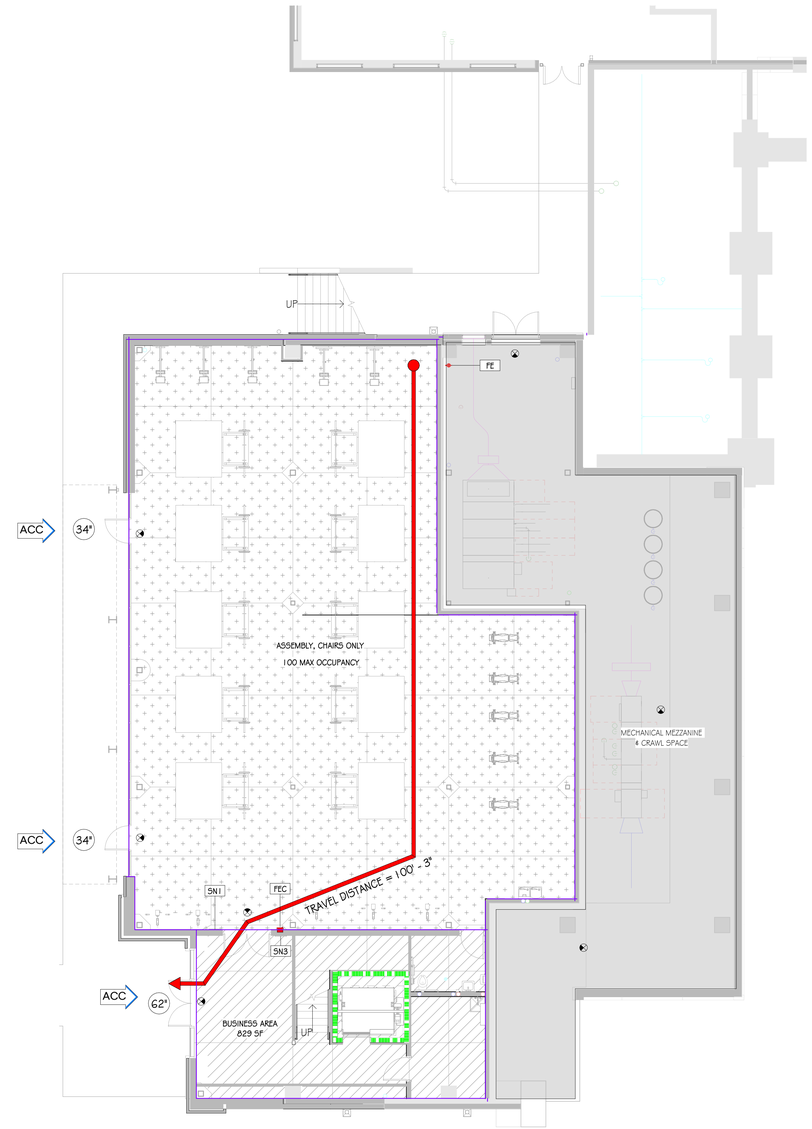
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OCCUPANT LOAD BY FLOOR AREA

ROOM NAME	ROOM NUMBER	ROOM/OCCUPANCY USE	SF/ PERSON	AREA	OCC. LOAD
BUSINESS	51	BUSINESS AREAS - IBC 2018	150	829 SF	5.53
BUSINESS	52	BUSINESS AREAS - IBC 2018	150	14771 SF	98.47
BUSINESS	53	BUSINESS AREAS - IBC 2018	150	3258 SF	21.72
GYMNASIUM	54	ASSEMBLY W/O FIXED SEATS - CONCENTRATED, CHAIRS ONLY	7	4636 SF	662.23
GYMNASIUM	55	ASSEMBLY W/O FIXED SEATS - CONCENTRATED, CHAIRS ONLY	7	13612 SF	1944.57
WORKOUT ROOM	56	ASSEMBLY W/O FIXED SEATS - CONCENTRATED, CHAIRS ONLY	7	3780 SF	539.94
				40885 SF	3272.46



A1 LOWER LEVEL
SCALE: 1/8" = 1'-0"

OCCUPANCY LEGEND

ASSEMBLY W/O FIXED SEATS - CONCENTRATED, CHAIRS ONLY

BUSINESS AREAS - IBC 2018

LIFE SAFETY SIGNAGE LEGEND

ACC	ADA ACCESSIBLE ROUTE
SN1	EMERGENCY EVACUATION MAP SIGNAGE
SN3	OCCUPANCY COUNT SIGNAGE
AID	FIRST AID KIT

PLAN LEGEND

FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
	ILLUMINATED EXIT SIGN
	DISTANCE OF TRAVEL
	1 - HR FIRE BARRIER
	2 - HR FIRE BARRIER

OVERALL BUILDING AREA

LEVEL	AREA (GROSS SQUARE FEET)
LOWER LEVEL	4,609 GSF
MAIN LEVEL	33,019 GSF
MEZZANINE	3,258 GSF
TOTAL	40,885 GSF

APPLICABLE CODES & REGULATIONS

2021	INTERNATIONAL BUILDING CODE (IBC)
2021	INTERNATIONAL FUEL GAS CODE (IFGC)
2021	INTERNATIONAL MECHANICAL CODE (IMC)
2021	INTERNATIONAL PLUMBING CODE (IPC)
2021	INTERNATIONAL FIRE CODE (IFC)
2020	NATIONAL ELECTRICAL CODE (NEC)
2021	INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2013	ANSI/ASHRAE/IESNA STANDARD 90.1
2010	STANDARDS FOR ACCESSIBLE DESIGN
ICC 500-2008	ICC/NSSA STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS

OCCUPANCY CLASSIFICATION — IBC CH 3

OCCUPANCY	PRIMARY : GROUP B - BUSINESS SECONDARY : GROUP A-4 (ASSEMBLY)

SPECIAL REQUIREMENTS — IBC CH 4

[SPECIAL REQUIREMENT NOTES PER IBC CHAPTER 4 IF APPLICABLE]

CONSTRUCTION CLASSIFICATION — IBC CH 5

CONSTRUCTION TYPE	TYPE 11B - FULLY SPRINKLERED	
HEIGHT	ALLOWABLE: 75 FEET [SPRINK INCREASE IF APPLICABLE]	ACTUAL: 35'-4"FEET
# OF STORIES	ALLOWABLE: 3 [SPRINK INCREASE IF APPLICABLE]	ACTUAL: 2 STORY + MEZZANINE
HEIGHT MODIFICATIONS	N/A	
AREA PER FLOOR	ALLOWABLE: SF/STORY 68,875	ACTUAL: LEVEL 1 - 33,019 SF GROSS
FRONTAGE INCREASE (IF)	N/A	
AUTOMATIC SPRINKLER INCREASE (AA)	N/A	

FIRE RESISTANCE - STRUCT. ELEMENTS — IBC CH 6

RESISTANCE REQUIRED BY IBC TYPE TABLE 601

CONSTRUCTION TYPE : 11B

	RESISTANCE REQUIRED	RESISTANCE PROVIDED	
		RATING	ACHIEVED BY
BUILDING ELEMENT - STRUCTURAL			
PRIMARY STRUCTURAL FRAME (PER CH 2 WITH RATING NOT LESS THAN CH 7)			
COLUMNS STRUCTURAL MEMBERS HAVING DIRECT CONNECTION TO COLUMNS - BEAMS, GIRDERS, TRUSSES, AND SPANDRELS	0 HR	0	UL #
BEARING WALLS			
EXTERIOR WALLS (RATING NOT LESS THAN CH 6 OR CH 7)	0 HR	0	UL #
INTERIOR WALLS	0 HR	0	UL #
NON BEARING WALLS AND PARTITIONS			
EXTERIOR WALLS (BASED ON FIRE SEPARATION DISTANCE PER CH 6)	0 HR	0	UL #
NON BEARING WALLS AND PARTITIONS			
INTERIOR WALLS (RATING NOT LESS THAN REQUIRED BY SECTIONS OTHER THAN SECTION 6)	0 HR	0	UL #
FLOOR CONSTRUCTION AND SECONDARY MEMBERS (PER CH 2)			
FLOOR CONSTRUCTION HAVING DIRECT CONNECTIONS TO THE COLUMNS	0 HR	0	UL #
ROOF CONSTRUCTION AND SECONDARY MEMBERS (PER CH 2)			
ROOF CONSTRUCTION HAVING DIRECT CONNECTIONS TO THE COLUMNS	0 HR	0	UL #

FIRE RESISTANCE - WALLS / PARTITIONS — IBC CH 7

[SPECIAL PROVISION NOTES FOR FIRE RESISTANCE FOR WALLS AND PARTITIONS IF APPLICABLE]

- FIRE WALLS : PER CH 7 FIRE WALLS FOR OCCUPANCY GROUP E SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 3-HOURS.

EXCEPTION : IN TYPE II, WALL SHALL BE PERMITTED TO HAVE A 2-HOUR FIRE RESISTANCE RATING. FIRE WALLS SHALL BE CONTINUOUS FROM EXTERIOR WALL TO EXTERIOR WALL AND SHALL EXTEND AT LEAST 18 INCHES BEYOND THE EXTERIOR SURFACE OF EXTERIOR WALLS.
EXCEPTION : FIRE WALLS SHALL BE PERMITTED TO TERMINATE AT THE INTERIOR SURFACE OF NONCOMBUSTIBLE EXTERIOR SHEATHING WHERE THE BUILDING ON EACH SIDE OF THE FIRE WALL IS PROTECTED BY AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH CH 9. FIRE WALLS SHALL BE CONTINUOUS FROM THE FOUNDATION TO A TERMINATION POINT AT LEAST 30 INCHES ABOVE BOTH ADJACENT ROOFS.
EXCEPTION : WALLS SHALL BE PERMITTED TO TERMINATE AT THE UNDERSIDE OF NONCOMBUSTIBLE ROOF SHEATHING, DECK OR SLABS WHERE BOTH BUILDINGS ARE PROVIDED WITH NOT LESS THAN A CLASS B ROOF COVERING. OPENINGS IN THE ROOF SHALL NOT BE LOCATED WITHIN 4 FEET OF THE FIRE WALL.

- SHAFT ENCLOSURES : PER CH 7 SHAFT ENCLOSURES SHALL BE CONSTRUCTED AS FIRE BARRIERS OR HORIZONTAL ASSEMBLIES IN ACCORDANCE WITH CHAPTER 7, OR BOTH.

EXCEPTION : IN OTHER THAN GROUP H OCCUPANCIES, AS SHAFT ENCLOSURE IS NOT REQUIRED FOR FLOOR OPENINGS COMPLYING WITH THE PREVISION FOR ATRIUMS IN CH 4. SHAFT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 1 HOUR WHERE CONNECTING LESS THAN FOUR STORIES, AND NOT LESS THAN THE FLOOR ASSEMBLY PENETRATED, BUT NEED NOT EXCEED 2 HOURS. EXTERIOR WALLS SERVING AS PART OF THE SHAFT ENCLOSURE SHALL COMPLY WITH CH 5 AND THE FIRE-RESISTANCE RATED ENCLOSURE REQUIREMENTS SHALL NOT APPLY

FIRE RESISTANCE - WALLS & PARTITIONS — IBC CH 7

WALLS AND PARTITIONS	IBC TBL. 716.5	OPENING PROTECTION	RESISTANCE PROVIDED RATING	RESISTANCE PROVIDED ACHIEVED BY
SHAFT ENCLOSURES				
* LESS THAN 4 STORIES	1 HR	1 HR	1 HR	N/A
* 4 OR MORE STORIES	2 HR	N/A	N/A	N/A
FIRE WALLS	2 HR	1 1/2 HR	2 HR	N/A
HORIZONTAL EXITS	N/A	N/A	N/A	N/A
EXIT PASSAGEWAYS	N/A	N/A	N/A	N/A
	1 HR	N/A	N/A	N/A
	N/A	N/A	N/A	N/A
ACCESSORY / INCIDENTAL USE				
* FURNACE RM W/ 400,000 BTU/HR INPUT EQMT	1 HR	N/A	N/A	N/A
* BOILER RM W/ 15 PSI & 10 HP EQMT	1 HR	N/A	N/A	N/A
* REFRIGERANT MACHINERY RM	1 HR	N/A	N/A	N/A
* HYDROGEN CUTOFF RM	1 HR	N/A	N/A	N/A
* INCINERATOR RM	2 HR	N/A	N/A	N/A
	2 HR	N/A	N/A	N/A
	1 HR	N/A	N/A	N/A
* WASTE & LINEN RMS > 100 SF	1 HR	N/A	N/A	N/A
* STATIONARY STORAGE BATTERY SYSTEMS	1 HR	N/A	N/A	N/A
* FIRE PUMP RM	1 HR	N/A	N/A	N/A

MEANS OF EGRESS

MAXIMUM ALLOWABLE	BUSINESS	
TRAVEL DISTANCE TO EXIT	300 FT EQUIPPED W/ SPRINKLER SYSTEM	
COMMON PATH OF TRAVEL	100 FT MAX	
DEAD END LENGTH	50 FT MAX	
EGRESS OCCUPANTS (DESIGN LOAD)	LOWER LEVEL: A3: 3,806/7 NET (GYM) = B: 803/ 150 GROSS = LOWER LEVEL TOTAL OCCUPANTS =	 544(100 MAX) 6 550 OCCUPANTS
	MAIN LEVEL: A4: 18,270/7 NET (COURTS) = B: 15,114/ 150 GROSS = MAIN LEVEL TOTAL OCCUPANTS =	 2,611(550 MAX) 97 2,708 OCCUPANTS
	MEZZANINE: B: 3,258/ 150 GROSS = MEZZANINE TOTAL OCCUPANTS:	 22 22 OCCUPANTS
	AGGREGATE OCCUPANT LOAD:	3,280 OCCUPANTS
STAIRWAY WIDTH	MAIN LEVEL (ADDITION ONLY): 150 OCCUPANTS = 30" MEZZANINE: 22 OCCUPANTS = 6"	PROVIDED: 48" PROVIDED: 120"
EGRESS WIDTH	LOWER LEVEL: 550 OCCUPANTS = 83" MAIN LEVEL: 2,730 OCCUPANTS (INCLUDING MEZZANINE)= 410"	PROVIDED: 130" PROVIDED: 498" PROVIDED: 498"

PLUMBING FIXTURE TABULATIONS

	OCCUPANCY	OCCUPANT LOAD (ACTUAL)	ACTUAL LOAD CALCULATIONS WC M	WC F	WC U/SX	LAV M	LAV F	LAV U/SX	BATH/ SHOWER	DRINKING FOUNTAINS	SVC SINKS
	*A3 ASSEMBLY	100 50 EA M F	.4	.77	-	.25	.25	-	-	.1	1
	*A4 ASSEMBLY GYMNASIUMS	550 275 EA M F	3.7	6.88	-	1.38	1.83	-	-	.27	1
	B BUSINESS & KITCHEN	125 63 EA M F	2.5	2.5	-	1.63	1.63	-	-	.63	1
TOTAL	REQUIRED		7	11	-	4	4	-	-	1	3
TOTAL	PROVIDED		17	11	2	9	8	1	-	9	3

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ISSUE DATE
ISSUED FOR BID 2026.11.06

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600 PLAZA DR,
ENTERPRISE, AL 36330

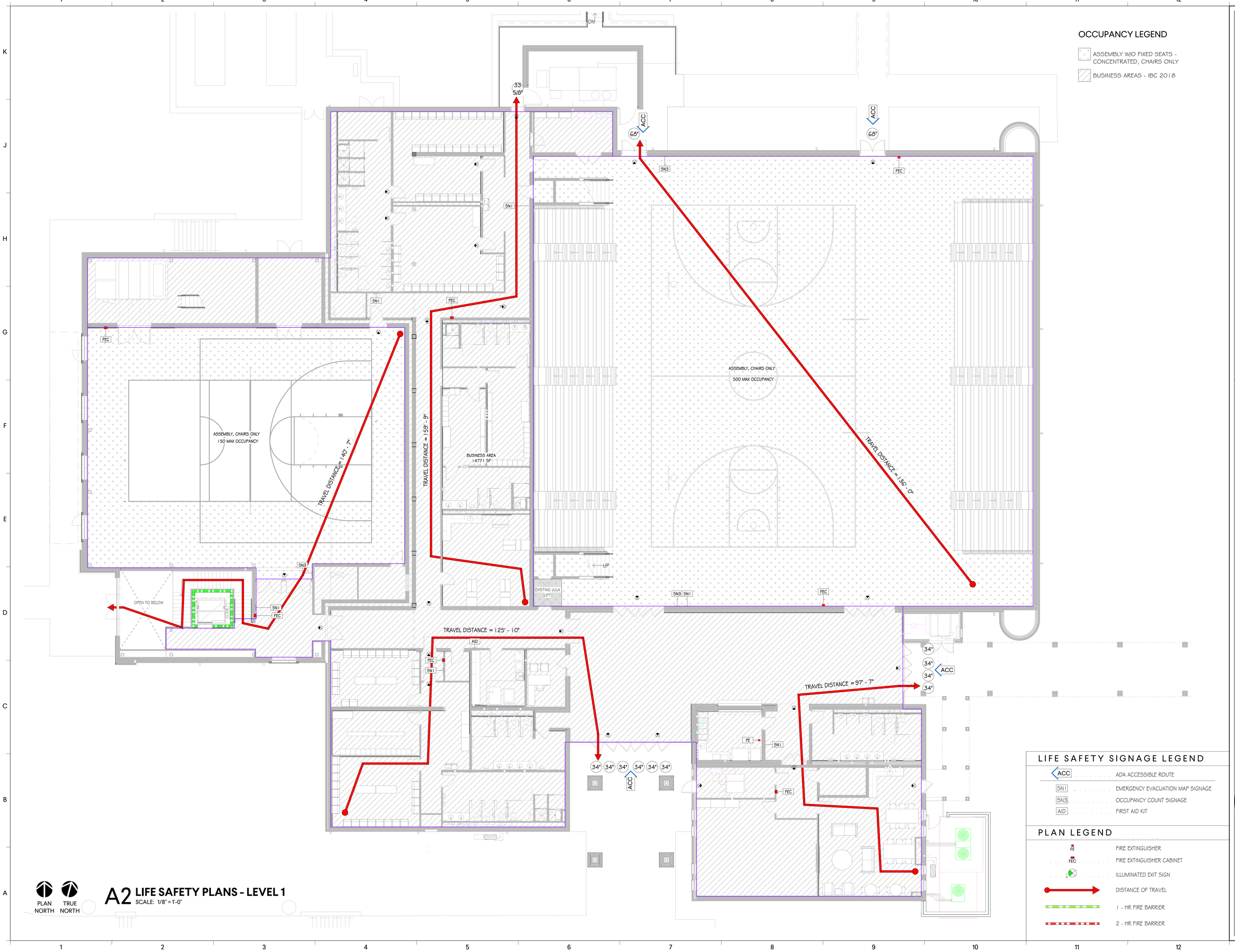
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STATE OF ALABAMA
PATRICK SWATEK
8969
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LIFE SAFETY - CODE ANALYSIS & LOWER LEVEL

G0.40

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OCCUPANCY LEGEND

- ASSEMBLY W/O FIXED SEATS - CONCENTRATED, CHAIRS ONLY
- BUSINESS AREAS - IBC 2018

LIFE SAFETY SIGNAGE LEGEND

ACC	ADA ACCESSIBLE ROUTE
5N1	EMERGENCY EVACUATION MAP SIGNAGE
5N3	OCCUPANCY COUNT SIGNAGE
AID	FIRST AID KIT

PLAN LEGEND

FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
	ILLUMINATED EXIT SIGN
	DISTANCE OF TRAVEL
	1 - HR FIRE BARRIER
	2 - HR FIRE BARRIER

PLAN NORTH / TRUE NORTH

A2 LIFE SAFETY PLANS - LEVEL 1

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

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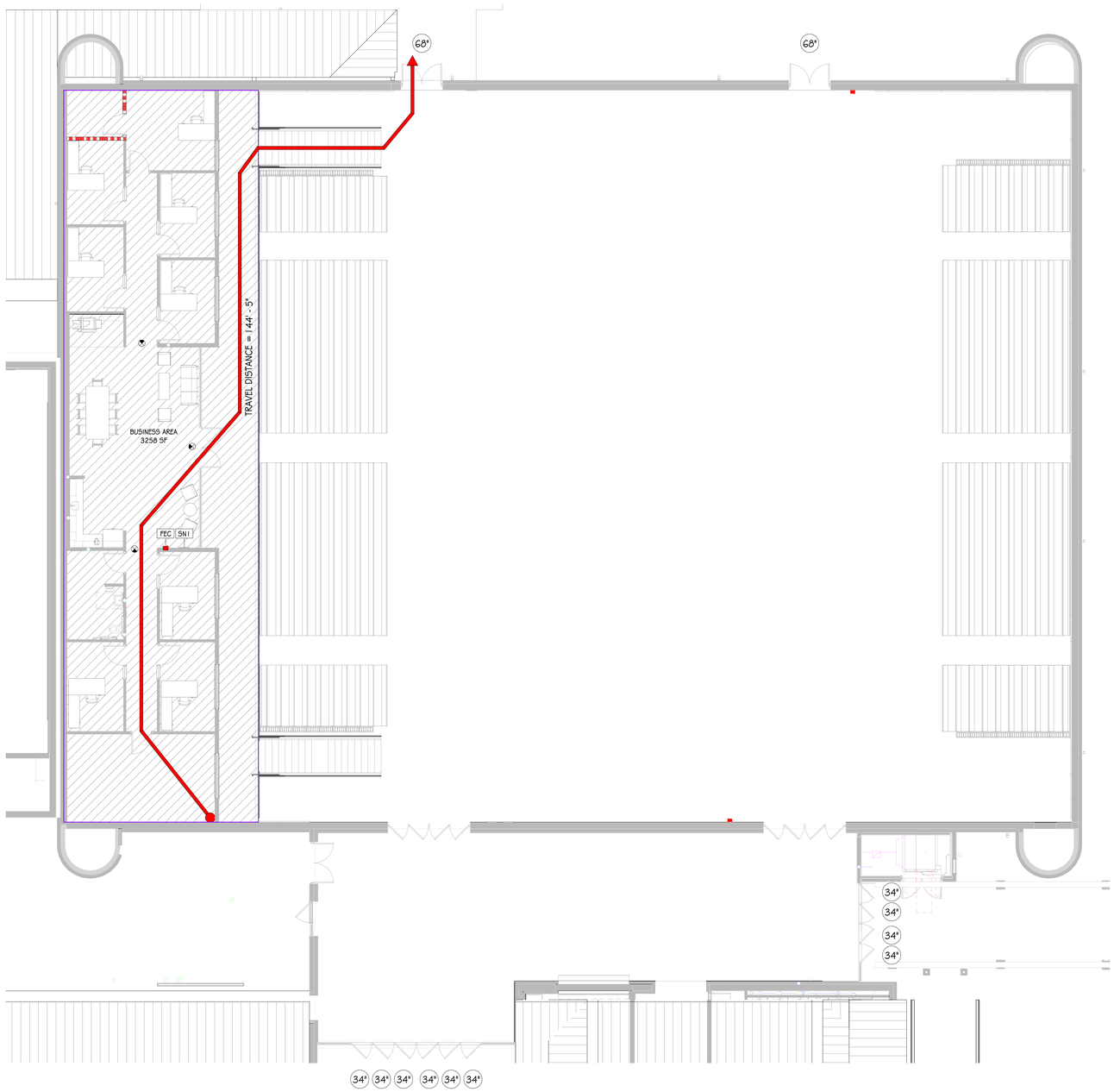
LIFE SAFETY PLAN - MAIN LEVEL

G0.41

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OCCUPANCY LEGEND

BUSINESS AREAS - IBC 2018



LIFE SAFETY SIGNAGE LEGEND

ACC	ADA ACCESSIBLE ROUTE
5N1	EMERGENCY EVACUATION MAP SIGNAGE
5N3	OCCUPANCY COUNT SIGNAGE
AID	FIRST AID KIT

PLAN LEGEND

FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
	ILLUMINATED EXIT SIGN
	DISTANCE OF TRAVEL
	1 - HR FIRE BARRIER
	2 - HR FIRE BARRIER

PLAN NORTH

TRUE NORTH

A1 LIFE SAFETY PLAN - MEZZANINE

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

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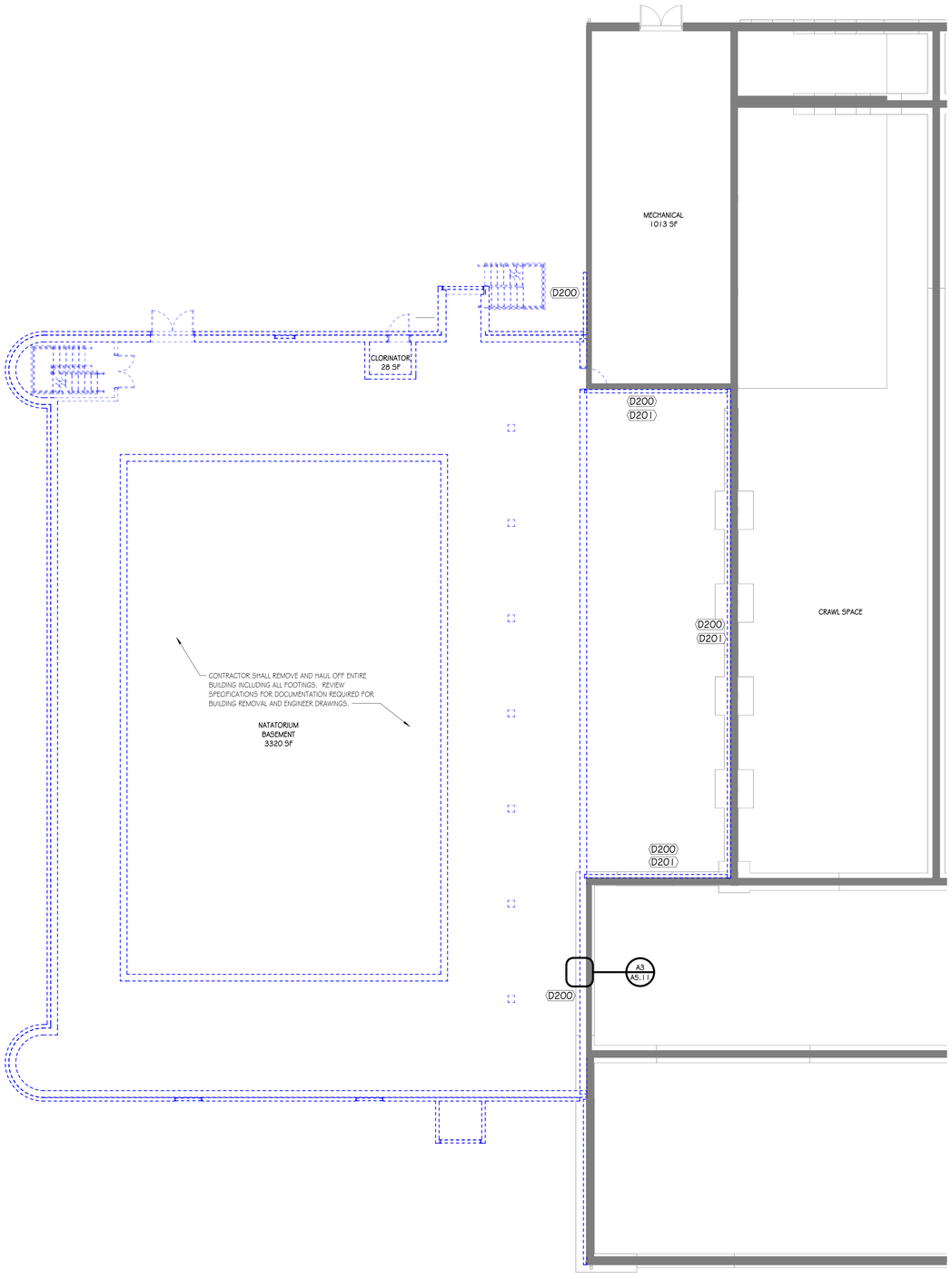
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LIFE SAFETY PLAN - MEZZANINE

G0.42

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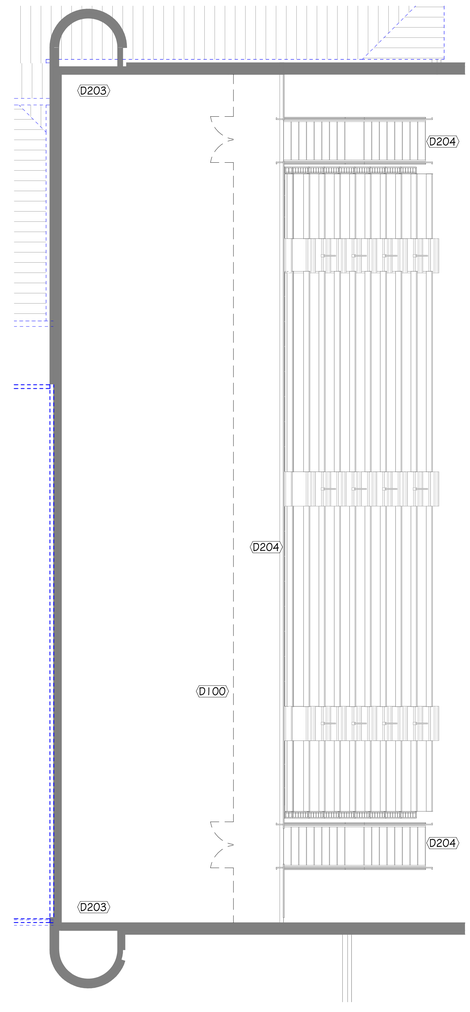
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PLAN NORTH TRUE NORTH

A2 LOWER LEVEL - DEMO PLAN

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



PLAN NORTH TRUE NORTH

A8 MEZZANINE - DEMO PLAN

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

DEMOLITION LEGEND

EXISTING TO REMAIN

TO BE DEMOLISHED

NOTE: GENERAL CONTRACTOR TO PROVIDE ALL NECESSARY PROTECTIONS AND STRUCTURES REQUIRED TO MAINTAIN EGRESS ROUTES FROM EXISTING FACILITY(S) DURING DEMOLITION THROUGHOUT NEW CONSTRUCTION. PROTECTIONS INCLUDE (BUT ARE NOT LIMITED TO) : TEMPORARY OVERHEAD PROTECTION, TEMPORARY PARTITION WALLS, FENCING, ACCESS DOORS, SIGNAGE, ETC.

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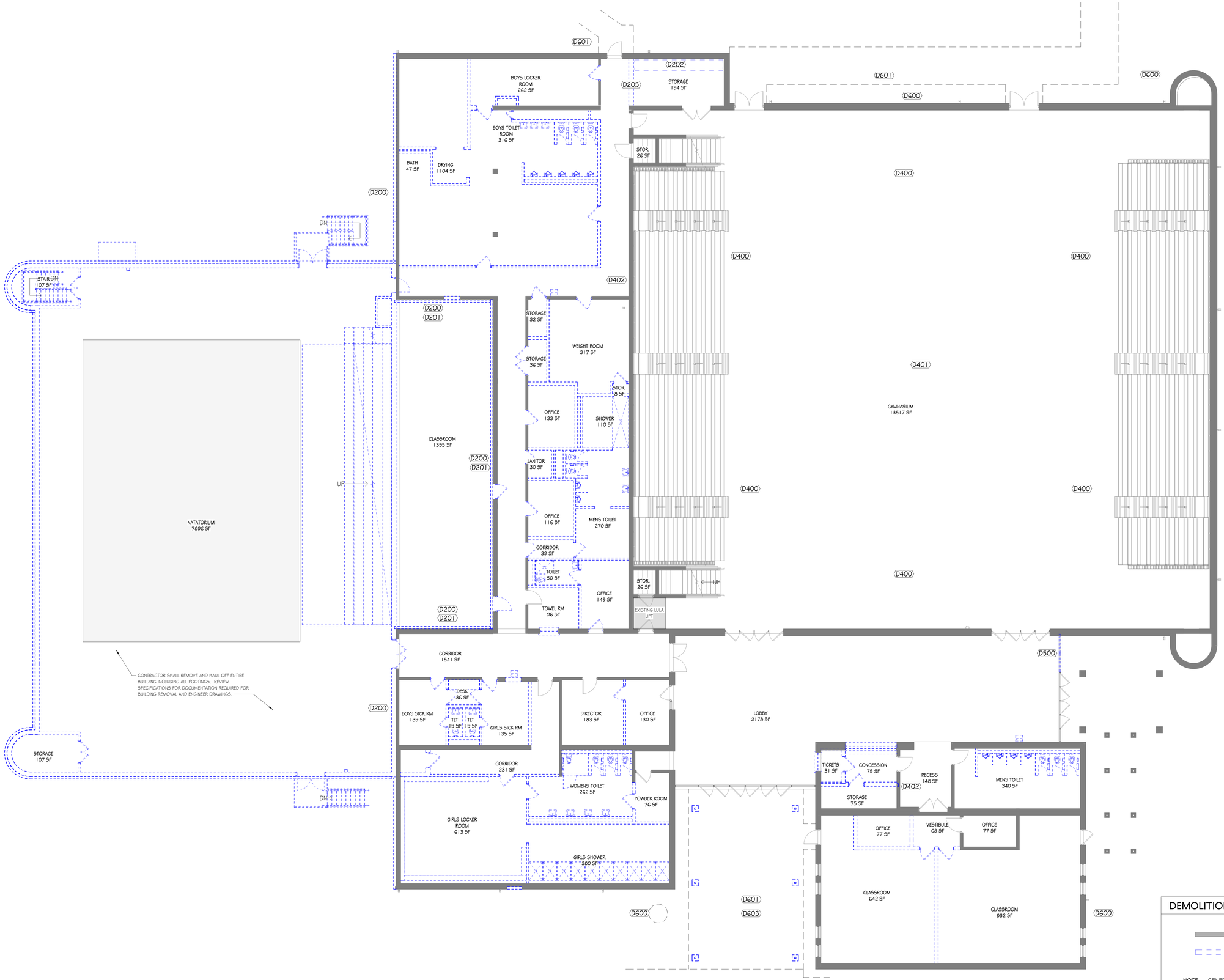
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LOWER LEVEL FLOOR PLAN - DEMOLITION

A1.01

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DEMOLITION LEGEND

EXISTING TO REMAIN

TO BE DEMOLISHED

NOTE: GENERAL CONTRACTOR TO PROVIDE ALL NECESSARY PROTECTIONS AND STRUCTURES REQUIRED TO MAINTAIN EGRESS ROUTES FROM EXISTING FACILITY(S) DURING DEMOLITION THROUGHOUT NEW CONSTRUCTION. PROTECTIONS INCLUDE (BUT ARE NOT LIMITED TO) : TEMPORARY OVERHEAD PROTECTION, TEMPORARY PARTITION WALLS, FENCING, ACCESS DOORS, SIGNAGE, ETC.

PLAN NORTH / TRUE NORTH

A1 MAIN LEVEL - DEMO PLAN

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

TEMPLATE VERSION: 2025.1

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MAIN FLOOR PLAN - DEMOLITION

A1.02

DEMOLITION NOTES

KEY NOTES - DEMOLITION	
KEY	KEYNOTE
D100	REMOVE EXISTING CHAIN LINK FENCE AND PATCH HOLES IN CONCRETE SLAB.
D200	REMOVE BRICK VENEER AND ALL MASONRY ACCESSORIES FROM EXTERIOR WALL. PATCH WALL WITH MORTAR WHERE MASONRY ACCESSORIES HAVE BEEN REMOVED. WHERE UTILITIES HAVE BEEN REMOVED REPLACE ENTIRE MASONRY UNIT WITH SAME SIZE MASONRY UNIT.
D201	PROVIDE FURRING CHANNELS AND EXTERIOR GYP SHEATHING OVER EXISTING MASONRY WALL TO GO FULL HEIGHT OF WALL TO SEAL OFF ALL PENETRATIONS AND VOIDS PAST THE ROOF LEVEL BETWEEN THE DOUBLE PRECAST CONCRETE - T'S. THEN COAT ALL OF THE EXTERIOR GYP BOARD WITH AN AIR MOISTURE BARRIER TO KEEP EXISTING BUILDING WEATHER TIGHT.
D202	REMOVE EXISTING STORAGE CABINETS AND PREPARE WALLS AND FLOOR FOR NEW FINISHES
D203	REMOVE EXISTING MECHANICAL LOUVER AND PATCH OPENING WITH CMU THE SAME DEPTH AS EXISTING.
D204	REMOVE EXISTING PAINT FROM ALL RAILING. SCRAPE, PRIME, AND PAINT ALL EXISTING RAILING SURFACES.
D205	VERIFY WALL IS NOT LOAD-BEARING PRIOR TO DEMOLITION
D400	REMOVE EXISTING OVERHEAD BASKETBALL GOAL AND CABLES
D401	REMOVE EXISTING SCORE BOARD FROM ROOF TRUSSES
D402	REMOVE FIRE EXTINGUISHER CABINETS. PATCH WALLS AS NECESSARY
D500	REMOVE PORTION OF EXISTING STOREFRONT FOR NEW WORK
D600	REMOVE EXISTING TREES AND OTHER VEGETATION FOR NEW WORK
D601	REMOVE EXISTING CONCRETE SIDEWALK
D603	REMOVE EXISTING CANOPY IN ITS ENTIRETY

GENERAL NOTES - DEMOLITION PLAN

1. *SEE SPECIFICATIONS FOR ASBESTOS AND LEAD PAINT ASSESSMENT AND EXISTING CONSTRUCTION TO BE ABATED.

2. THE GENERAL CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS PRIOR TO BIDDING TO DETERMINE THE SCOPE OF WORK THAT IS TO OCCUR DURING DEMOLITION IN ORDER TO ACHIEVE NEW CONSTRUCTION AND COORDINATE ANY DISCREPANCIES WITH THE ARCHITECT.

3. THE OWNER SHALL HAVE THE FIRST RIGHT OF REFUSAL OF ALL SALVAGED ITEMS.

4. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING NEW WORK WITHIN THE EXISTING CONDITIONS.

5. THE WALLS INDICATED TO BE REMOVED IN THEIR ENTIRETY SHALL INCLUDE ALL ELECTRICAL OUTLETS, SWITCHES, CONDUITS, TELEPHONE JACKS, DATA JACKS, WIRING, MECHANICAL DUCT AND, PLUMBING, ETC. REFER TO MEP & STRUCTURAL DRAWINGS FOR ANY ADDITIONAL DEMOLITION NOTES AND COORDINATE DISCREPANCIES WITH ARCHITECT.

6. REFER TO CIVIL, STRUCTURAL, PLUMBING, AND MECHANICAL DRAWINGS FOR ADDITIONAL NOTES AND REQUIREMENTS FOR ABANDON UTILITIES.

7. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF DEMOLITION WORK APPEARS TO AFFECT THE STRUCTURAL INTEGRITY OF THE EXISTING BUILDING BEFORE PROCEEDING.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING MATERIALS TO REMAIN RESULTING FROM WORK UNDER THIS CONTRACT AND SHALL RESTORE SUCH DAMAGE TO ITS ORIGINAL CONDITION.

9. THE CONTRACTOR SHALL PROVIDE CONCRETE BLOCK INFILL IN THOSE LOCATIONS WHERE MECHANICAL, PLUMBING, RECESSED TOILETRY ACCESSORIES, AND ELECTRICAL COMPONENTS HAVE BEEN REMOVED.

10. CONTRACTORS SHALL PREP ALL WALL SURFACES TO REMOVE ALL SURFACE MATTER TO REPAIR, PATCH AND PRIME WALL SURFACES TO RECEIVE NEW PAINT FINISH.

11. REMOVE ALL SURFACE MOUNTED OBJECTS IN AREA OF WORK THAT ARE TO BE ABANDONED AND NOT INTENDED FOR REUSE. PREPARE SURFACE FOR NEW FINISH.

12. COORDINATE DEMOLITION WORK BETWEEN MECHANICAL, PLUMBING, ELECTRICAL, AND STRUCTURAL DRAWINGS. NOTIFY ARCHITECT WITH DISCREPANCIES OR INCONSISTENCIES BETWEEN THESE DRAWINGS AND / OR ACTUAL FIELD CONDITIONS DIFFER.

13. SCANS OF THE EXISTING DRAWINGS ARE AVAILABLE UPON REQUEST. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION AS-BUILT CONDITIONS. EXISTING DRAWINGS ARE TO BE USED FOR REFERENCE AND COORDINATION ONLY.

14. OWNER WILL BE RESPONSIBLE FOR REMOVING ALL LOOSE FURNISHINGS AND CONTENTS FROM THE BUILDING.

15. REMOVE PORTION OF EXISTING CONCRETE SLABS AS REQUIRED TO INSTALL NEW WORK.

16. REMOVE EXISTING CEILING TILE, GRID, LIGHT FIXTURES, DIFFUSERS, ETC. TO RECEIVE NEW WORK. REFER TO MEP DRAWINGS FOR ADDITIONAL NOTES.

17. CONTRACTOR SHALL REMOVE ALL EXISTING PLUMBING FIXTURES, DRINKING FOUNTAINS, AND TOILET ACCESSORIES. TEST ALL PIPING PROPOSED FOR REUSE. SEE SPECIFICATIONS FOR ADDITIONAL NOTES AND REQUIREMENTS.

18. REMOVE EXISTING FLOOR FINISHES, ALL LAYERS, AND WALL BASE. THEN PREPARE ALL SURFACES TO RECEIVE NEW WORK.

19. REMOVE DOORS SCHEDULED TO BE DEMOLISHED. EXISTING FRAMES TO REMAIN IN SEVERAL LOCATIONS. THERE ARE SOME INSTANCES WHERE NEW DOOR WILL REVERSE SWING OPENING. PREPARE OPENING TO RECEIVE NEW DOOR.

20. REMOVE EXISTING MILLWORK / CASEWORK AND ASSOCIATED CONSTRUCTION. PATCH, REPAIR AND PREP WALLS AND FLOORS AS REQUIRED TO RECEIVE NEW FINISH UNLESS OTHERWISE NOTED.

21. ALL EXISTING BUILDING DIMENSIONS ARE APPROXIMATE AND ARE PROVIDED FOR CONVENIENCE ONLY. ALL REQUIRED DIMENSIONS MUST BE FIELD VERIFIED.

22. CONTRACTOR WILL BE RESPONSIBLE FOR SCOOPING EXISTING PLUMBING WITH A CAMERA PRIOR TO CONNECTING WITH NEW PLUMBING. IN THE EVENT EXISTING PIPE IS DETERIORATED NOTIFY ARCHITECT.

23. PROCEED WITH CAUTION WHEN REMOVING EXISTING CONCRETE SLAB. ELECTRICAL CONDUITS MAY POTENTIALLY BE EMBEDDED IN THE EXISTING CONCRETE SLAB TO BE REMOVED.

23. PROTECT ALL ITEMS AT THE GROUND SUCH AS, BUT NOT LIMITED TO VEGETATION, SIDEWALKS, MECHANICAL EQUIPMENT, CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING SOD, SPRINKLER LINES & HEADS, AND UNDERGROUND UTILITIES.

24. GENERAL CONTRACTOR SHALL COORDINATE ALL POWER OUTAGES, DATA AND UTILITY OUTAGES WITH OWNER.

25. CONTRACTOR SHALL PROVIDE CONSTRUCTION FENCING AND SIGNAGE TO SECURE CONSTRUCTION AREA AND ROUTE OCCUPANTS IN ANOTHER LOCATION AWAY FROM THE AREA OF CONSTRUCTION.

26. CONTRACTORS WILL BE RESPONSIBLE FOR CALLING 811 AND WILL NEED TO OBTAIN A PRIVATE UTILITY LOCATOR CONTRACTOR TO MARK ALL UTILITIES WITHIN THE WORK AREA AND EXTEND TEN FEET BEYOND. CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING UTILITIES THEY DAMAGE WITHIN THE WORK ZONE WHEN TRENCHING OR DIGGING.

27. REMOVE ALL EXISTING LOCKER BASE. CONTRACTOR SHALL CHIP DOWN THE EXISTING CONCRETE LOCKER BASE AND LEVEL FLOOR AS REQUIRED. CARE SHALL BE TAKEN DURING THE CHIPPING PROCESS TO NOT DAMAGE THE EXISTING PRECAST DOUBLE-T FLOOR FRAMING. REFER TO DETAIL C7/GO.20.

28. CONTRACTOR SHALL REMOVE ALL EXISTING GEO-THERMAL PIPING PRIOR TO DEMOLITION OF THE EXISTING BUILDING. SEE MECHANICAL AND PLUMBING FOR ADDITIONAL INFORMATION.

RENOVATION NOTES

KEY NOTES - GENERAL CONSTRUCTION	
KEY	KEYNOTE
G100	CONTRACTOR SHALL PROTECT EXISTING STAIR TREADS AND RISER DURING CONSTRUCTION.
G101	CONTRACTOR SHALL PROTECT EXISTING WOOD FLOORING THROUGH THE DURATION OF THE CONSTRUCTION.
G102	CONTRACTOR SHALL PROVIDE NEW 12" CONCRETE RAISED REINFORCED PAD FOR THE COMMERCIAL WASHER AND DRYER. DRAIN SHALL BE EMBEDED WITHIN THE RAISED PAD. PAD SIZE SHALL BE 9'-4"w X 6'-0"d X 1'-0" Thick.
G200	CONTRACTOR SHALL PROVIDE NEW SCORE BOARD / VIDEO BOARDS. COORDINATE ALL POWER, DATA, AND MOUNTING WITH MANUFACTURE RECCOMENDATIONS.
G201	CONTRACTOR SHALL PROVIDE NEW ACCESS DOORS IN NEW MASONRY WALL TO ALIGN WITH EXISTING DOORS TO ACCESS THE CRAWL SPACE
G400	CONTRACTOR SHALL PROVIDE NEW BASKETBALL GOALS. PROVIDE POWER, CABELING, AND ADDITIONAL STRUCTURE AS REQUIRED TO SUPPORT ALL OVERHEAD BASKETBALL GOALS.
G401	CONTRACTOR SHALL PROVIDE NEW SCORE BOARD / VIDEO BOARDS. COORDINATE ALL POWER, DATA, AND MOUNTING WITH MANUFACTURE RECCOMENDATIONS.

GENERAL NOTES - RENOVATION PLAN

1. CONTRACTOR SHALL SCRAPE, PATCH, SAND, FLOAT OUT AND REPAIR SURFACES TO PREPARE ALL WALLS, FLOORS, AND CEILING SURFACES TO RECEIVE NEW WORK. REVIEW, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES.

2. UNLESS OTHERWISE NOTED, ALL FLOOR TILE SHALL BE CENTERED WITHIN THE ROOM. NO PIECES SHALL BE UNDER 4".

3. UNLESS OTHERWISE NOTED, ALL CEILING GRID AND LIGHT FIXTURES SHALL BE CENTERED WITHIN THE ROOM.

4. CONTRACTORS SHALL PROVIDE STONE, VAPOR BARRIER, AND EPOXY DOWEL INTO EXISTING CONCRETE SLABS AT 16" O.C. EACH WAY PRIOR TO POURING CONCRETE SLAB WHERE REMOVED.

5. CLEAN ALL SURFACES PRIOR TO SCHEDULING FINAL PUNCH AND RETURNING TO OWNER TO USE.

6. PROVIDE CONTINUOUS BLOCKING AS REQUIRED FOR ALL ACCESSORIES.

7. GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTIONS AND STRUCTURES REQUIRED TO MAINTAIN EGRESS ROUTES FROM EXISTING FACILITY DURING DEMOLITION AND THROUGHOUT NEW CONSTRUCTION. PROTECTIONS, INCLUDE (BUT ARE NOT LIMITED TO) TEMPORARY OVERHEAD PROTECTION, TEMPORARY PARTITION WALLS, FENCING, ACCESS DOORS, ETC.

8. CONTRACTOR SHALL COORDINATE ALL NEW ROOF PENETRATIONS WITH EXISTING ROOF EQUIPMENT PRIOR TO CUTTING HOLE THROUGH ROOF SURFACE.

9. CONTRACTOR SHALL PERFORM PAINT COMPATIBILITY TEST ON EXISTING SURFACES PRIOR TO PERFORMING PAINT SCOPE TO ASSURE ADHESION TO EXISTING SUBSTRATES.

10. WHERE GYPSUM BOARD WALLS ARE SCHEDULED THE FIRST 4'-0" A.F.F. SHALL BE HIGH IMPACT GYPSUM BOARD. IN THE GYMNASIUMS WHERE GYPSUM BOARD WALLS ARE SCHEDULED THE FIRST 12'-0" A.F.F. SHALL BE HIGH IMPACT GYPSUM BOARD.

11. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING TEMPORARY CONDITIONED AIR IN THE GYMNASIUM TO KEEP THE EXISTING WOOD ATHLETIC FLOORING STABLE AND PROTECT FOR THE DURATION OF THE PROJECT. CONTRACTOR SHALL COORDINATE WHEN MECHANICAL UNITS WILL BE REMOVED FROM THE GYMNASIUM, WHEN THE MAIN POWER WILL BE TERMINATED AND COORDINATION OF TEMPORARY SERVICE WILL BE PROVIDED. THE CONTRACTOR SHALL PROVIDE OWNER, ENGINEERS, AND ARCHITECT WITH THEIR APPROACH FOR REVIEW AND COMMENTS PRIOR TO STARTING OF WORK. THE DURATION OF TIME FOR THE TEMPORARY CONDITIONED AIR WILL BE DETERMINED BY THE CONTRACTOR AND SHALL BE INCLUDED IN THEIR BASE BID. ANY ADDITIONAL TIME REQUIRED TO COMPLETE THE WORK ON EQUIPMENT RENTAL WILL NOT BE THE RESPONSIBILITY OF THE OWNER. THE CONTRACTOR WILL ASSUME FULL RESPONSIBILITY FOR THE ATHLETIC WOOD FLOORING FOR THE DURATION OF THE PROJECT.

12. DO NOT OVERLOAD THE PRE-CAST DOUBLE - T SLAB OVER THE CRAWL SPACE, ROOF STRUCTURE, OR MEZZANINE LEVEL WITH BUILDING MATERIALS.

13. CONTRACTOR SHALL PROTECT THE EXISTING TECTUM STRUCTURAL DECKING AND SHALL NOT HANG ANYTHING OR PENETRATE THIS TYPE OF DECKING WHERE IT OCCURS.

14. CONTRACTOR SHALL EXTEND ALL EXISTING ELECTRICAL AND FIRE ALARM DEVICES TO FACE OF NEW WALL FURRING.

15. CONTRACTOR SHALL COORDINATE ALL NEW PLUMBING LOCATIONS, CONTRACTOR SHALL VERIFY THE LOCATION OF ALL PRECAST DOUBLE - T'S STRUCTURAL ELEMENTS, PRE-STRESSING, AND REINFORCING PRIOR TO ANY DRILLING, CORING, OR PENETRATION. ANY REQUIRED ADJUSTMENTS TO BE COORDINATED WITH THE ARCHITECT AND ENGINEERING CONSULTANTS PRIOR TO PROCEEDING.

16. FIRE PROTECTION ENGINEER AND SUB-CONTRACTOR SHALL VISIT THE SITE AFTER THE DUCT WORK HAS BEEN INSTALLED TO DESIGN THE FIRE SUPPRESSION SYSTEM. THE FIRE SUPPRESSION HAS BEEN DESIGNED ON SITE VERIFICATION PRIOR TO SUBMITTING SHOP DRAWINGS. ALL HANGERS SHALL BE HUNG OFF OF STRUCTURE AND NOT OFF OF DECKING. PROVIDE UNI-STRUT AS REQUIRED TO SPAN THE DISTANCES OF THE STRUCTURE ON SITE. ALSO CONFIRM ALL WALL TYPES WHERE SUPPORTS AND ANCHORS MAYBE APPLIED TO SUPPORT THE PIPING.

17. CONTRACTOR SHALL PROVIDE SELF LEVELING CONCRETE TO FLUSH OUT THE EXISTING FLOORING AT THE ALL SHOWER LOCATIONS. ALSO WHERE ALL LOCKER BASES HAVE BEEN REMOVED FROM THE EXISTING LOCKERROOMS.

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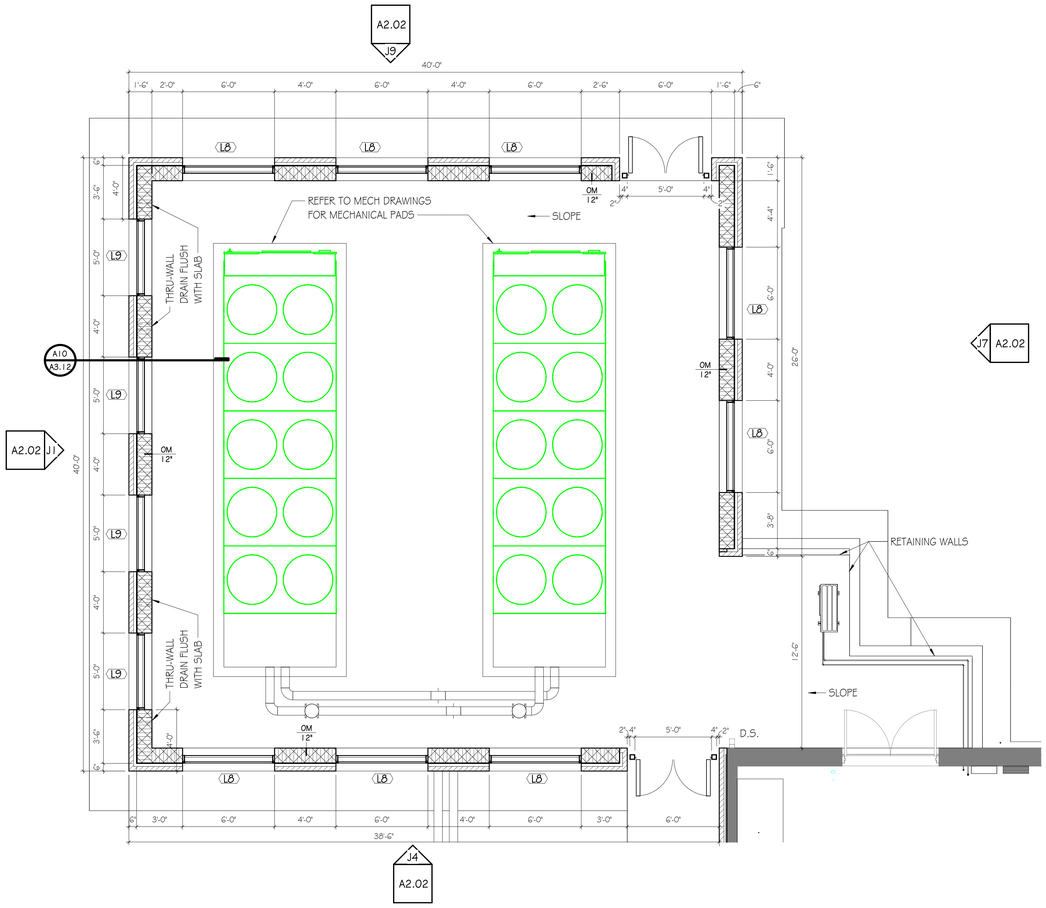
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DEMOLITION NOTES AND NEW CONSTRUCTION NOTES

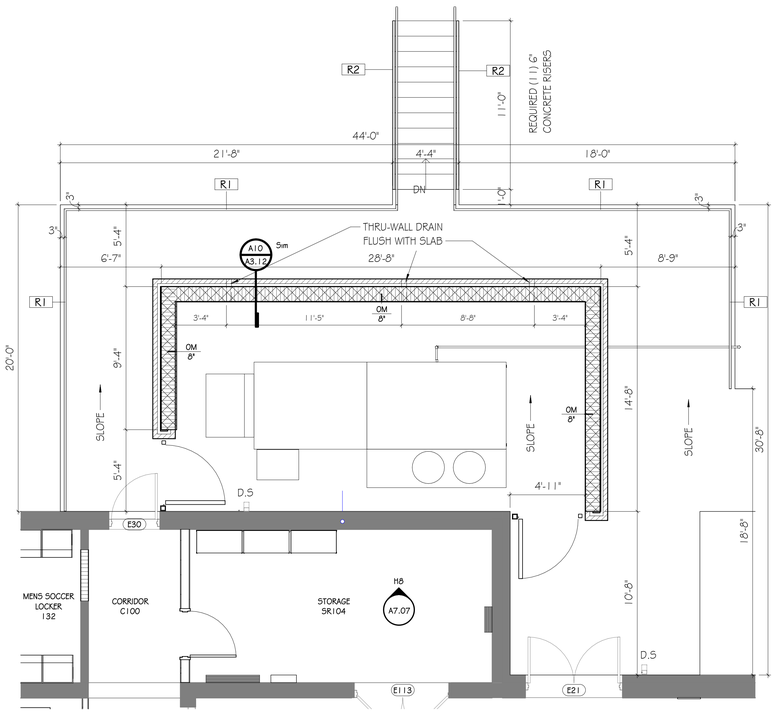
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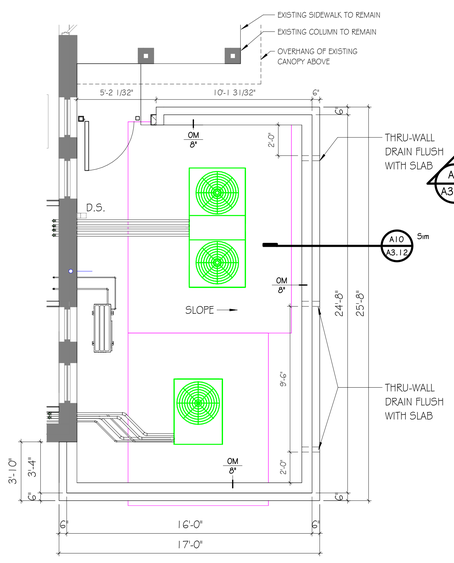
E1 LOWER LEVEL MECHANICAL SCREEN - NORTH

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



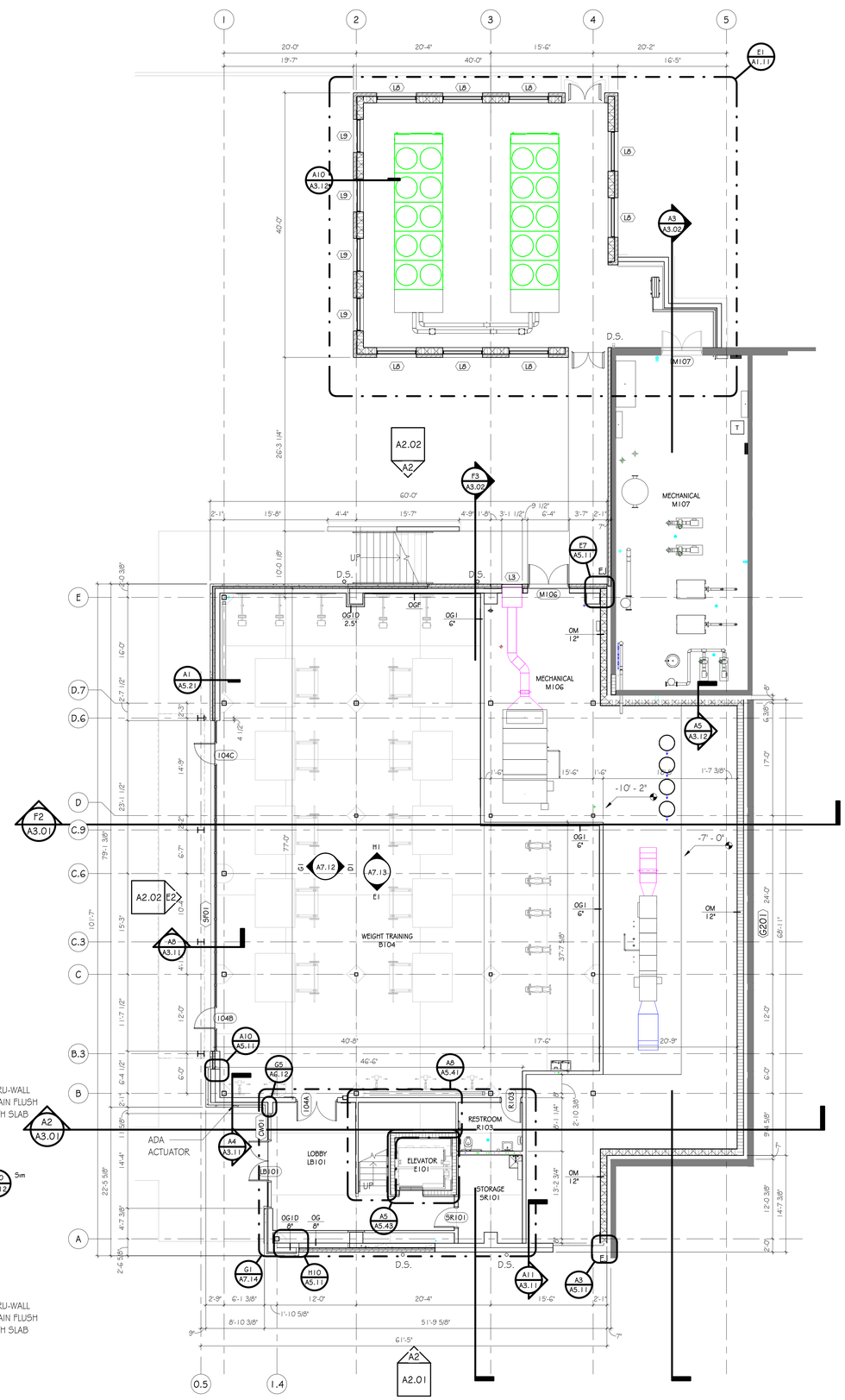
A1 MAIN LEVEL MECHANICAL SCREEN - NORTH

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



A6 MAIN LEVEL MECHANICAL SCREEN-SOUTH

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



A9 LOWER LEVEL FLOOR PLAN - RENOVATION

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

PLAN NORTH

TRUE NORTH

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LOWER LEVEL FLOOR PLAN - RENOVATION

A1.11

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PLAN NORTH
TRUE NORTH

A1 MAIN LEVEL FLOOR PLAN - RENOVATION

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

MAIN FLOOR PLAN - RENOVATION

A1.12

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MEZZANINE FLOOR PLAN - RENOVATION

A1.13

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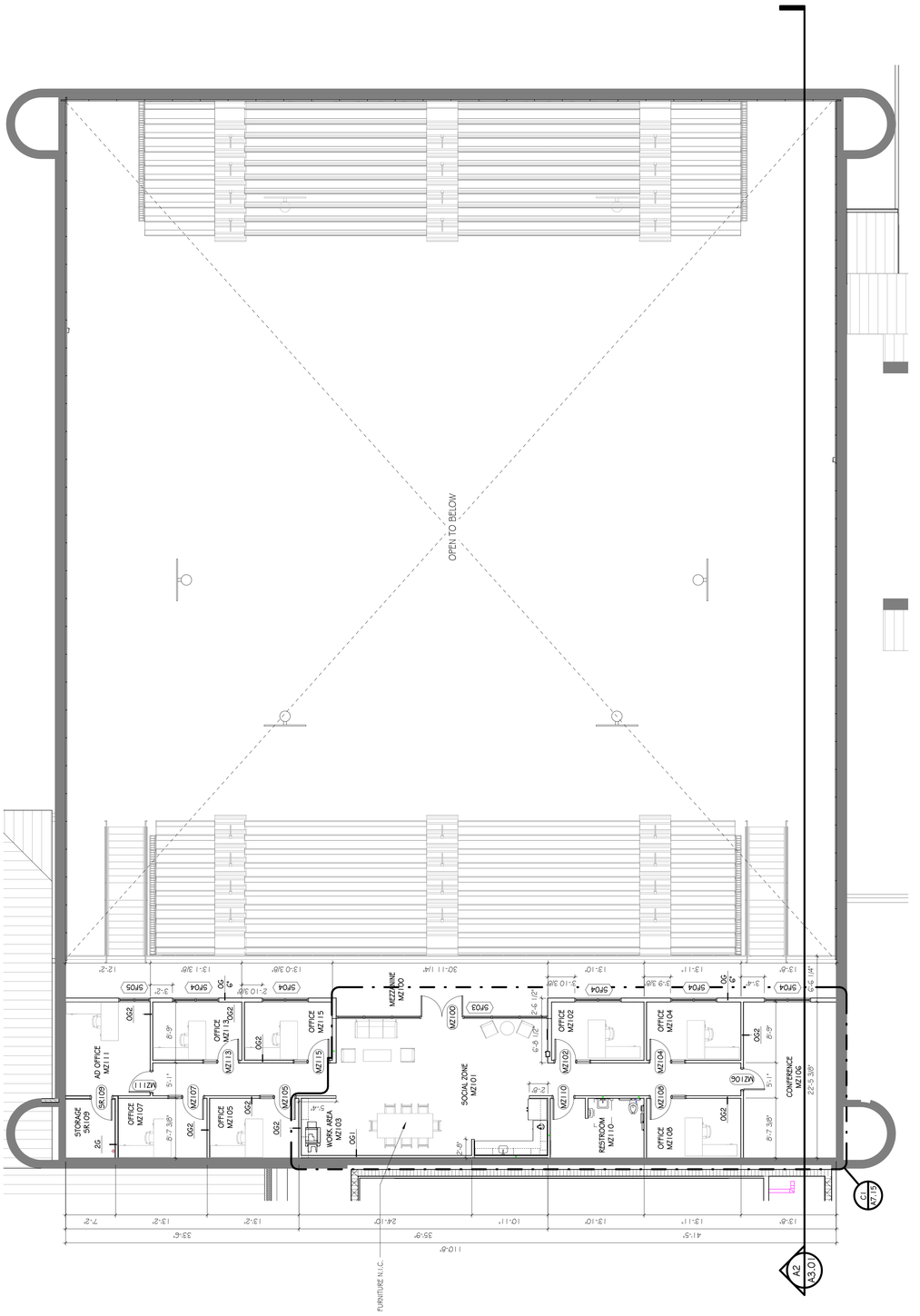
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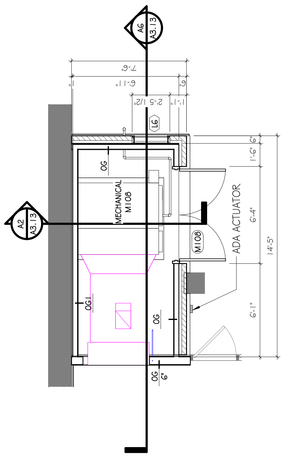
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D5 MEZZANINE FLOOR PLAN

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

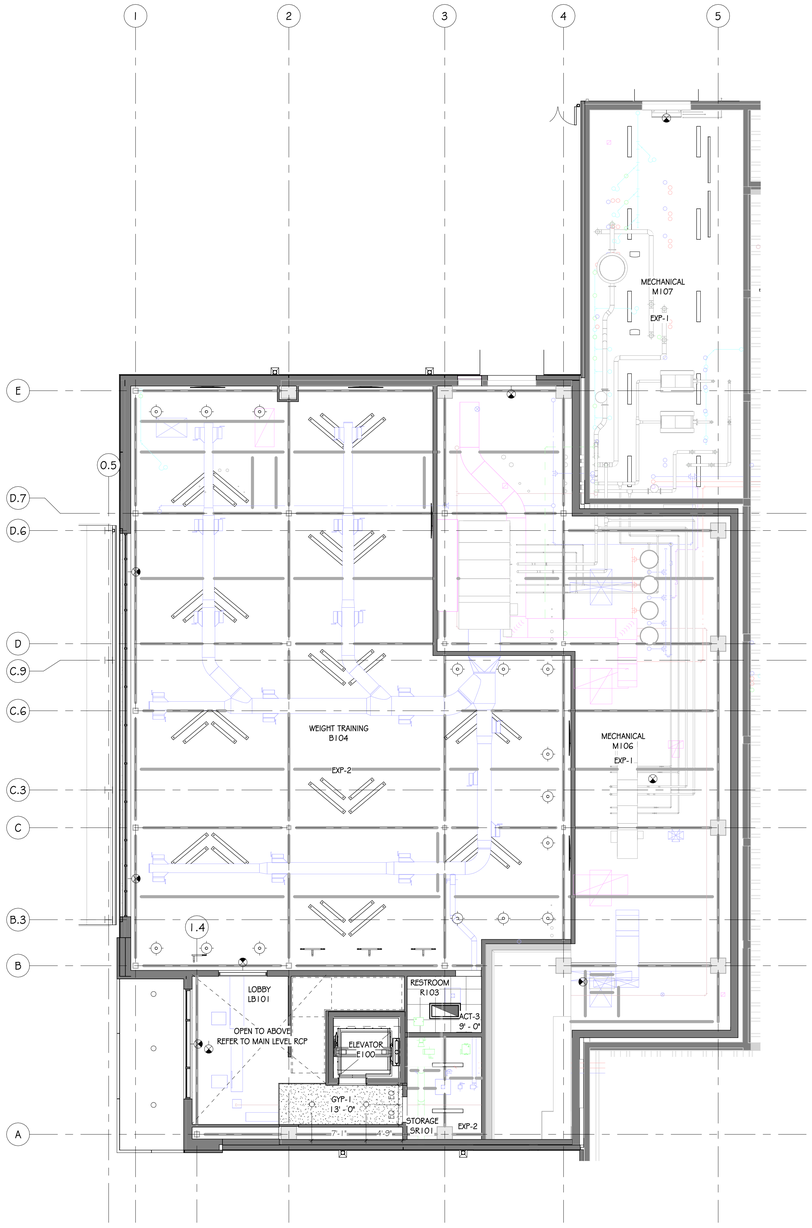
PLAN NORTH
TRUE NORTH



A9 MAIN LEVEL MECHANICAL ROOM

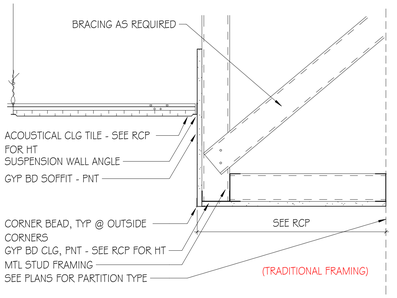
SCALE: 1/4" = 1'-0"

PLAN NORTH
TRUE NORTH

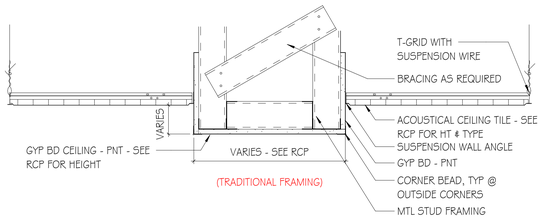


PLAN NORTH TRUE NORTH

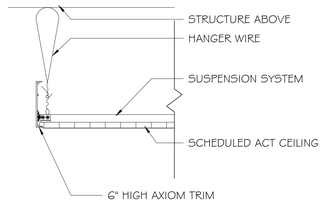
B2 REFLECTED CEILING PLAN - LOWER LEVEL
SCALE: 1/8" = 1'-0"



H7 ACT-GYP SOFFIT TYP
SCALE: 11/2" = 1'-0"



E7 ACT-GYP-ACT TYP
SCALE: 11/2" = 1'-0"



C7 AXIOM TRIM DETAIL
SCALE: 11/2" = 1'-0"

CEILING FINISH LEGEND

NUMBER	TYPE	DETAIL DESCRIPTION
ACT-1	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG CEILINGS STYLE: 1775 DUNE - BEVELED TEGULAR COLOR: WHITE SIZE: 24" X 24" X 5/8" SUSPENSION SYSTEM: SUPRAFINE 9/16" - WHITE
ACT-2	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG CEILINGS STYLE: 1942 ULTIMA HIGH NRC - BEVELED TEGULAR COLOR: WHITE SIZE: 24" X 24" X 7/8" SUSPENSION SYSTEM: SUPRAFINE 9/16" - WHITE ***NOTE: PROVIDE SHADOW MOLDING AT ALL CUT TILE EDGES
ACT-3	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG CEILINGS STYLE: 868 CLEAN ROOM VL - LAY-IN COLOR: WHITE SIZE: 24" X 24" X 5/8" SUSPENSION SYSTEM: PRELUDE XL 15/16" - WHITE
GYP-1	GYP BOARD CEILING	PAINTED GYP BOARD CEILING COLOR: PNT-5 (U.N.O. ON RCP)
MGB-1	MOISTURE RESISTANT GYP BOARD CEILING	PAINTED GYP BOARD CEILING - MOISTURE RESISTANT COLOR: PNT-5 (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. SEE EXP-2 LEGEND FOR COLOR/FINISH PER AREA

EXP-2 CEILING LEGEND

GYMNASIUM 102 (EXISTING GYM)
- CEILING (@ ALL OTHER CEILING ELEMENTS NOT LIMITED TO STRUCTURE, CONDUIT, AND PIPING): PNT-6
- MECHANICAL DUCTWORK & DIFFUSERS: PNT-6

GYMNASIUM 140 (NEW GYM)
- CEILING (@ ALL OTHER CEILING ELEMENTS NOT LIMITED TO STRUCTURE, CONDUIT, AND PIPING): PNT-6
- MECHANICAL DUCTWORK & DIFFUSERS: PNT-6

WEIGHT TRAINING B104
- CEILING (@ ALL OTHER CEILING ELEMENTS NOT LIMITED TO STRUCTURE, CONDUIT, AND PIPING): PNT-1
- MECHANICAL DUCTWORK & DIFFUSERS: PNT-1

LOBBY LB100
- CEILING (@ ALL OTHER CEILING ELEMENTS NOT LIMITED TO STRUCTURE, CONDUIT, AND PIPING): PNT-1
- MECHANICAL DUCTWORK & DIFFUSERS: PNT-1

STORAGE / MECH / ELEC ROOMS
- CEILING (@ ALL OTHER CEILING ELEMENTS NOT LIMITED TO STRUCTURE, CONDUIT, AND PIPING): PNT-6
- MECHANICAL DUCTWORK & DIFFUSERS: PNT-6

PRIVATE CORRIDOR C101
- CEILING (@ ALL OTHER CEILING ELEMENTS NOT LIMITED TO STRUCTURE, CONDUIT, AND PIPING): PNT-1
- MECHANICAL DUCTWORK & DIFFUSERS: PNT-1

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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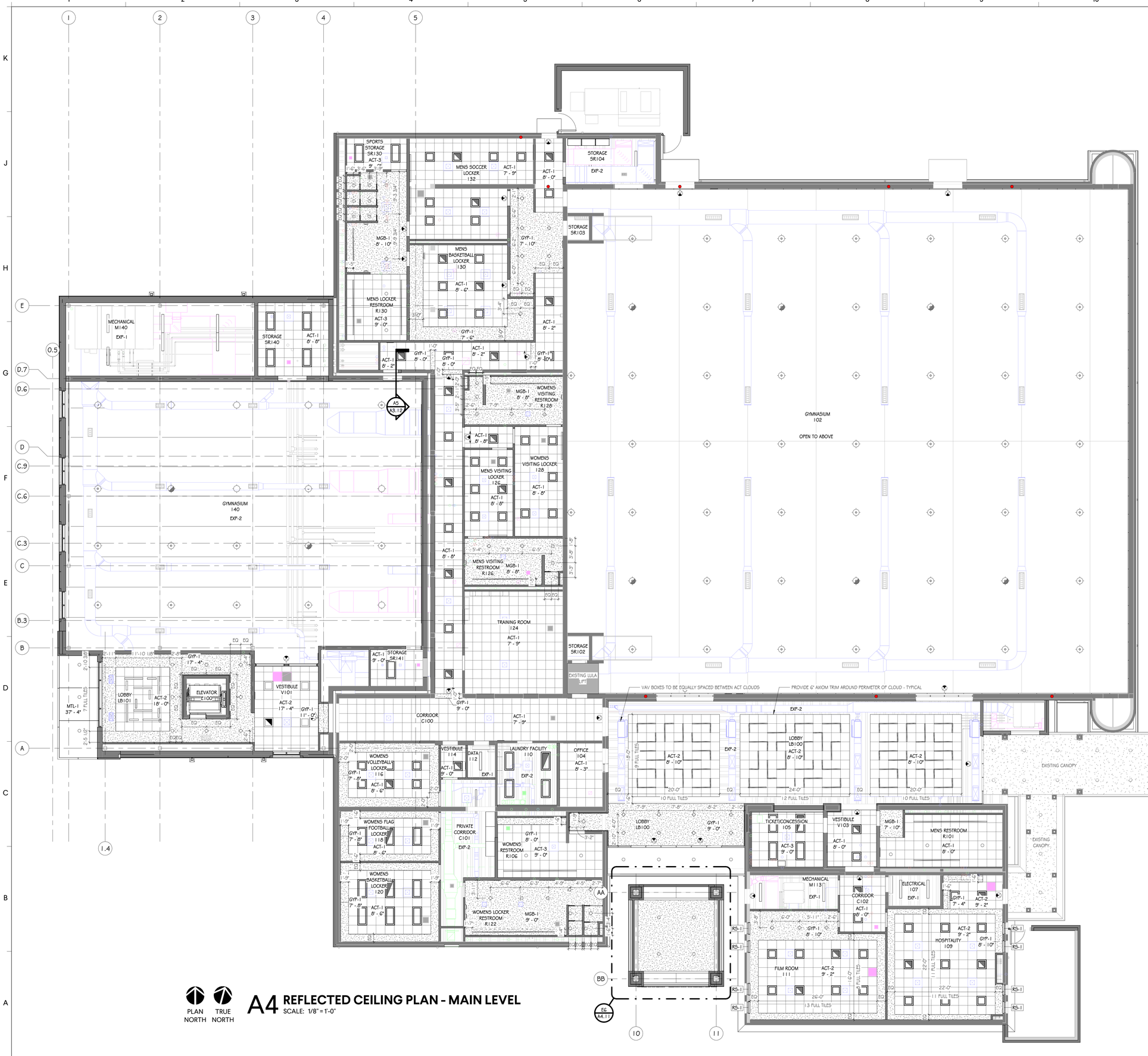
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GMC ABHM250051

STATE OF ALABAMA
PATRICK SWATEK
8969
REGISTERED ARCHITECT

REFLECTED CEILING PLAN - LOWER LEVEL

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PLAN NORTH TRUE NORTH

A4 REFLECTED CEILING PLAN - MAIN LEVEL

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

CEILING FINISH LEGEND

NUMBER	TYPE	DETAIL DESCRIPTION
ACT-1	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG CEILINGS STYLE: 1775 DUNE - BEVELED TEGULAR COLOR: WHITE SIZE: 24" X 24" X 5/8" SUSPENSION SYSTEM: SUPRAFINE 9/16" - WHITE
ACT-2	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG CEILINGS STYLE: 1942 ULTIMA HIGH NRC - BEVELED TEGULAR COLOR: WHITE SIZE: 24" X 24" X 7/8" SUSPENSION SYSTEM: SUPRAFINE 9/16" - WHITE ***NOTE: PROVIDE SHADOW MOLDING AT ALL CUT TILE EDGES
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EXP-2 CEILING LEGEND

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- MECHANICAL DUCTWORK & DIFFUSERS: PNT-6

WEIGHT TRAINING B104
- CEILING (& ALL OTHER CEILING ELEMENTS NOT LIMITED TO STRUCTURE, CONDUIT, AND PIPING): PNT-1
- MECHANICAL DUCTWORK & DIFFUSERS: PNT-1

LOBBY LB100
- CEILING (& ALL OTHER CEILING ELEMENTS NOT LIMITED TO STRUCTURE, CONDUIT, AND PIPING): PNT-1
- MECHANICAL DUCTWORK & DIFFUSERS: PNT-1

STORAGE / MECH / ELEC ROOMS
- CEILING (& ALL OTHER CEILING ELEMENTS NOT LIMITED TO STRUCTURE, CONDUIT, AND PIPING): PNT-6
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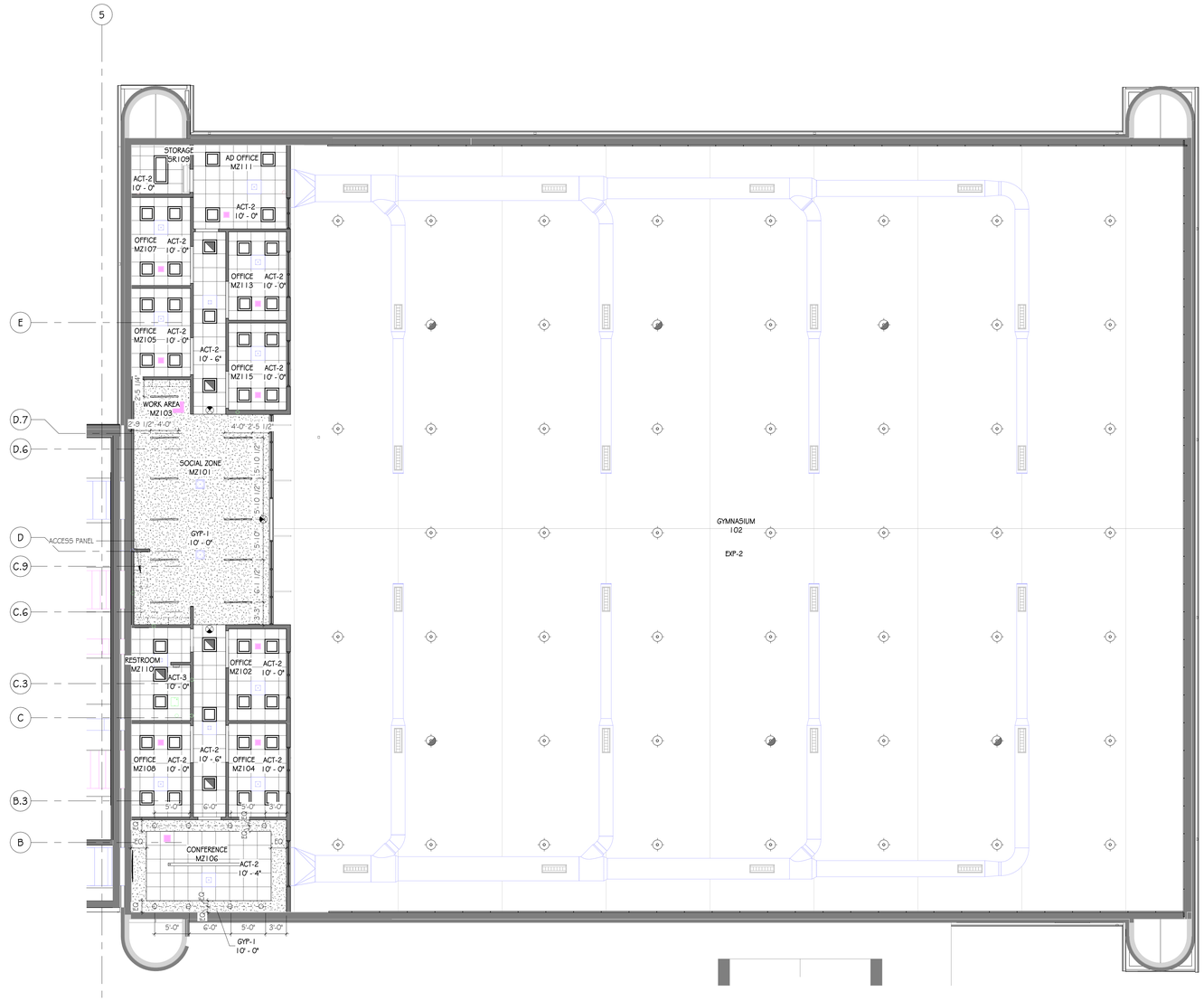
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GMC ABHM250051

STATE OF ALABAMA
PATRICK SWATEK
8969
REGISTERED ARCHITECT

REFLECTED CEILING PLAN - MAIN LEVEL

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PLAN NORTH TRUE NORTH

B3 REFLECTED CEILING PLAN - MEZZANINE

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

CEILING FINISH LEGEND

NUMBER	TYPE	DETAIL DESCRIPTION
ACT-1	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG CEILINGS STYLE: 1775 DUNE - BEVELED TEGULAR COLOR: WHITE SIZE: 24" X 24" X 5/8" SUSPENSION SYSTEM: SUPRAFINE 9/16" - WHITE
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- CEILING (& ALL OTHER CEILING ELEMENTS NOT LIMITED TO STRUCTURE, CONDUIT, AND PIPING): PNT-1
- MECHANICAL DUCTWORK & DIFFUSERS: PNT-1

LOBBY LB100
- CEILING (& ALL OTHER CEILING ELEMENTS NOT LIMITED TO STRUCTURE, CONDUIT, AND PIPING): PNT-1
- MECHANICAL DUCTWORK & DIFFUSERS: PNT-1

STORAGE / MECH / ELEC ROOMS
- CEILING (& ALL OTHER CEILING ELEMENTS NOT LIMITED TO STRUCTURE, CONDUIT, AND PIPING): PNT-6
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STATE OF ALABAMA
PATRICK SWATEK
8969
REGISTERED ARCHITECT

REFLECTED CEILING PLAN - MEZZANINE

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GENERAL ROOFING NOTES

1. EACH CONTRACTOR AND, SUB-CONTRACTOR , AND SUPPLIER SHOULD VISIT THE PROJECT SITE PRIOR TO BIDDING, TO FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS WHICH MAY EFFECT THE WORK OF THIS PROJECT.

2. BIDDERS SHALL VERIFY ON SITE, ALL EXISTING CONDITIONS, CONSTRUCTION METHODS, MATERIALS, FINISHES, DIMENSIONS, SQUARE FEET OF ROOFING, ELEVATIONS, ETC. TO THEIR OWN SATISFACTION OF HAVING INCLUDED ALL REQUIREMENTS FOR THE WORK OF THIS PROJECT IN THEIR BIDS.

3. BIDDERS SHALL VERIFY ON SITE, IN PART, THE ACTUAL LOCATIONS, QUANTITIES, NUMBER CONDITIONS, AND SIZES OF ALL PENETRATIONS, VENTS, FANS, INTAKES, CONDUITS, ETC. WHICH ARE INDICATED DIAGRAMMATICALLY ONLY ON THE DRAWINGS.

4. NOTIFY ARCHITECT OF ANY DISCREPANCIES, SO THEY MAY BE RESOLVED PRIOR TO BIDDING.

5. DURING CONSTRUCTION, NOTIFY THE ARCHITECT OF ANY APPARENT DISCREPANCIES DUE TO CONCEALED EXISTING CONDITIONS, CONSTRUCTION, DAMAGE, ETC. PRIOR TO PROCEEDING WITH WORK IN THE AREA WHERE ENCOUNTERED.

6. REFER TO THE DRAWINGS, PROJECT MANUAL AND DIVISION 1 SECTIONS FOR DESCRIPTION OF WORK AND SPECIAL CONDITIONS. REFER TO TECHNICAL SPECIFICATIONS FOR ADDITIONAL AND DETAILED REQUIREMENTS.

7. GENERAL CONTRACTOR TO PROVIDE SAFETY MEASURES FOR AREAS ADJACENT TO AND BELOW RE-ROOFING WORK WHEN THE SCHOOL IS OCCUPIED.

8. GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRING RUTS IN YARD BY FILLING IN WITH TOP SOIL AND SOD, SIDEWALKS, ASPHALT PAVING, PLANTINGS IN BEDS, IRRIGATION LINES, ETC PRIOR TO RECEIVING FINAL PAYMENT.

9. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING FLOOR PROTECTION WHERE THE STRUCTURE IS EXPOSED WHERE NEW ROOFING MATERIALS ARE BEING INSTALLED.

10. GENERALLY, THE WORK INCLUDES FOLLOWING, AND ALL RELATED WORK AS INDICATED AND/ OR REQUIRED BY PROJECT CONDITIONS:

A. PULL-OUT TEST: CONDUCT ON-SITE PULL-OUT TEST TO DETERMINE THE CAPACITY OF THE ROOF DECK TO HOLD FASTENERS. EMPLOY AN INDEPENDENT TESTING LAB OR A QUALIFIED REPRESENTATIVE OF THE ROOFING MEMBRANE MANUFACTURE TO DETERMINE ACTUAL PULL-OUT VALUES (AS RECOMMENDED BY MANUFACTURE'S)

B. USE FASTENERS RECOMMENDED BY ROOFING MANUFACTURE TO CONFORM TO WARRANTY PROVISIONS. INSTALL FASTENERS IN THE SIZE, QUANTITY, AND SPACING RECOMMENDED BY THE MANUFACTURE TO CONFORM TO MANUFACTURES'S WARRANTY PROVISIONS. TIGHTEN FASTENERS SUFFICIENTLY TO AVOID SCREW HEADS OR PLATE WASHER TELEGRAPHING EXCESSIVELY THROUGH THE ROOFING MEMBRANE. CUT OUT MEMBRANE AND TIGHTEN OR REPLACE FASTENERS WHICH TELEGRAPH EXCESSIVELY AND CAUSE LUMPS ON THE SURFACE, WHICH COULD RUPTURE THE MEMBRANE REPAIR IN THE MANNER APPROVED BY MANUFACTURE TO PRESERVE ALL THE PROVISIONS OF THE SPECIFIED WARRANTY.

C. ENTIRE ROOFING INSTALLATION SHALL MEET OR EXCEED THE REQUIREMENTS OF FM CLASS 1 AND FM WINDSTORM CLASSIFICATION 1-90 (FM PREVENTION DATA SHEET 1-28 AND 1-9)

D. CONTRACTOR SHALL REMOVE ALL DEBRIS FROM DECKING PRIOR TO INSTALLATION OF POLY-ISO INSULATION AND ROOFING MEMBRANE. CONTRACTOR SHALL SLOPE THE ROOFING MATERIAL 1/4" PER FOOT. CONTRACTOR SHALL COMPLY WITH ASHREAE 90.1 TABLES 5.3 WHERE R-30 MIN. REQUIRED.

E. COMPLY WITH MANUFACTURES'S INSTRUCTIONS TO PREPARE SUBSTRATE TO RECEIVE MEMBRANE ROOFING SYSTEM.

F. VERIFY THAT PENETRATIONS, EXPANSION JOINTS, AND BLOCKING ARE IN PLACE AND THAT ROOF DRAINS ARE PROPERLY CLAMPED INTO POSITION.

G. CLEAN SUBSTRATE OF DUST, DEBRIS, AND OTHER SUBSTRATES DETRIMENTAL TO MEMBRANE ROOFING SYSTEM INSTALLATION REMOVE SHARP PROJECTIONS.

H. INSTALL CANT STRIPS, FLASHING, AND ACCESSORY ITEMS AS RECOMMENDED BY MANUFACTURE.

I. PRIME SUBSTRATE WHERE RECOMMENDED BY MANUFACTURER WHERE MATERIALS ARE BEING INSTALLED.

J. PREVENT COMPOUNDS FROM ENTERING AND CLOGGING DRAINS AND CONDUCTORS AND FROM SPILLING OR MIGRATING ONTO SURFACES OF OTHER WORK.

K. INSTALL PRESSURE TREATED WOOD BLOCKING NAILER AROUND ALL PERIMETERS AS RECOMMENDED BY MANUFACTURER (MIN. 6").

L. SELECTED REMOVAL OF EXISTING RELATED FLASHING (EXCEPT THROUGH-WALL FLASHING), COUNTER FLASHING, ROOFING VENTS, GUTTER, AND DOWNSPOUTS.

M. EXTEND POLY-ISO FULL THICKNESS OVER ENTIRE SURFACE TO BE INSULATED, CUTTING AND FITTING TIGHTLY AROUND OBSTRUCTIONS. FORM CANT STRIPS, CRICKETS, SADDLES, AND TAPERED AREAS WITH ADDITIONAL MATERIAL AS REQUIRED FOR PROPER DRAINAGE OF MEMBRANE TO ENSURE POSITIVE DRAINAGE (NO STANDING WATER ON THE ROOF 48 HOURS AFTER A RAIN). IF POSITIVE DRAINAGE DOES NOT OCCUR WITH ROOFING SYSTEM TAPERED INSULATION WILL BE REQUIRED TO PROVIDE DRAINAGE.

N. ALL MECHANICAL CURBS SHALL BE 8-INCH MINIMUM ROOFING FLASHING HEIGHT. THE 8-INCHES SHALL BE ABOVE ANY TAPER INSULATION FOR CRICKETS COORDINATE WITH MECHANICAL SUB-CONTRACTOR PRIOR TO ORDERING ALL MECHANICAL AND EQUIPMENT CURBS. COVER CURBS AND TOP EDGE OF ROOFING FLASHING WITH ELASTIC FLASHING, SECURED IN PLACE AT SIDES OF CURBS, PRIOR TO SETTING FANS, VENTS, ETC, AND PRIOR TO INSTALLING COVERS AT EXPANSION JOINTS, EQUIPMENT CURBS, ETC.

O. STAGGER JOINTS IN ONE DIRECTION FOR EACH COURSE.

P. DO NOT INSTALL MORE INSULATION IN A DAY THAN CAN BE COVERED WITH MEMBRANE BEFORE END OF DAY OR BEFORE START OF INCLEMENT WEATHER

Q. SECURE ROOF INSULATION TO SUBSTRATE WITH MECHANICAL FASTENERS AND RECOMMENDED BY MEMBRANE MANUFACTURER. FASTENERS MUST NOT PENETRATE ANY DECKING EXPOSED TO VIEW.

R. FULLY ADHERED MEMBRANE: INSTALL MEMBRANE BY UNROLLING OVER PREPARED SUBSTRATE +/- LAPPING ADJOINING SHEETS AS RECOMMENDED BY MANUFACTURER. APPLY ADHESIVE TO SURFACES TO BE BONDED AND ROLL INTO PLACE WITH ADHESIVE HAS PROPERLY CURED. TREAT SEAMS WITH SPECIAL ADHESIVE AND APPLY SEALANT TO THE EXPOSED SHEET EDGES, TAPERING APPLICATION AS RECOMMENDED BY MANUFACTURER. INSTALL MECHANICAL FASTENERS, FLASHING, COUNTER FLASHING, AND ACCESSORIES AT LOCATIONS AND AS RECOMMENDED BY MANUFACTURER.

S. PROVIDE PIPE STANDS AT ALL LOCATIONS PER SPECIFICATIONS.

T. ALL CONDENSATE DRAINS SHALL BE PIPED TO THE EDGE OF ROOFS TO GUTTERS OR CRICKETS.

U. CONTRACTOR SHALL NOT CUT OR REMOVE ANY EXISTING INTERNAL ROOF DRAINS OR OVERFLOW DRAINS BECAUSE THEY ARE STILL ACTIVE EVEN THOUGH THERE IS A METAL RETROFIT ROOF OVER THE BUILDING. CONTRACTOR WILL BE REQUIRED TO REMOVE THE EXISTING PIPE INSULATION FROM THE INTERNAL ROOF DRAINS AND OVERFLOW DRAINS THAT ARE EXPOSED TO REVIEW THE CONDITION OF THE PIPES. CONTRACTOR WILL NEED TO PROVIDE NEW PIPE INSULATION AND LABELS AS REQUIRED AT ALL LOCATIONS.

GENERAL ROOFING NOTES - EXISTING METAL ROOFING

1. CONTRACTOR SHALL REMOVE NO MORE OF EXISTING METAL ROOFING AND RETROFIT FRAMING STRUCTURE OVER GYM LOCKER ROOMS THAN NEEDED TO DEMOLISH PORTION OF THE EXISTING BUILDING AND AREA TO WORK.

2. CONTRACTOR SHALL TEMPORARILY SUPPORT AND PROVIDE SHORING FOR THE EXISTING METAL ROOFING AND FRAMING STRUCTURE WHERE ROOFING SHALL REMAIN. CONTRACTOR SHALL PROVIDE SHORING SHOP DRAWINGS SEALED BY A SHORING ENGINEER AND SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER OF RECORD. THE SHORING ENGINEER AND STRUCTURAL ENGINEER OF RECORD SHALL MEET ON SITE TO REVIEW IN PLACE SHORING.

3. CONTRACTOR SHALL REMOVE DEBRIS FROM ALL EXISTING GUTTERS AND DOWNSPOUTS. EXISTING GUTTERS SHALL BE JETTED BY THE CONTRACTOR TO REMOVE ALL OBSTRUCTIONS.

4. REWORK AND RE-STRAP ALL EXISTING GUTTERS AND DOWNSPOUTS. PROVIDE NEW STRAPS WHERE REQUIRED AND WHERE EXISTING STRAPS ARE MISSING OR DAMAGED.

5. WHERE EXISTING DOWNSPOUTS ARE DAMAGED, MISSING, OR WHERE THERE IS NOT A CONCRETE SPLASH BLOCK UNDER AN EXISTING DOWNSPOUT THE CONTRACTOR SHALL PROVIDE NEW MATERIALS AT THOSE LOCATIONS.

6. CONTRACTOR SHALL REMOVE AND STORE IN A SECURED AREA EXISTING ROOF PANELS AND FRAMING STRUCTURE TO REUSE AT A LATER DATE. CONTRACTOR WILL BE RESPONSIBLE FOR EXTENDING THE METAL ROOF BACK TO THE FACE OF THE NEW BUILDING. PROVIDE THRU-WALL FLASHING, FLASHING AND COUNTERFLASHING AS REQUIRED BETWEEN EXISTING ROOF AND MASONRY WALLS. WHERE EXISTING SCREW HOLES WILL BE REUSED PROVIDE OVERSIZED SCREWS WHEN RE-ATTACHING EXISTING METAL ROOFING. WHERE EXISTING PANELS OVERLAP PROVIDE NEW MASTIC AT ALL JOINTS AND SEAMS TO ACHIEVE WEATHER TIGHTNESS. PROVIDE SHOP DRAWINGS FOR REVIEW.

7. CONTRACTOR SHALL PROVIDE GUTTER GUARDS TO SPAN ACROSS THE TOP OF THE EXISTING GUTTERS AND WHERE NEW GUTTERS WILL BE PROVIDE. MECHANICALLY SECURE GUTTER GUARDS WITH FASTENERS AT ALL METAL ROOFING LOCATIONS.

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REGISTERED ARCHITECT

ROOFING NOTES

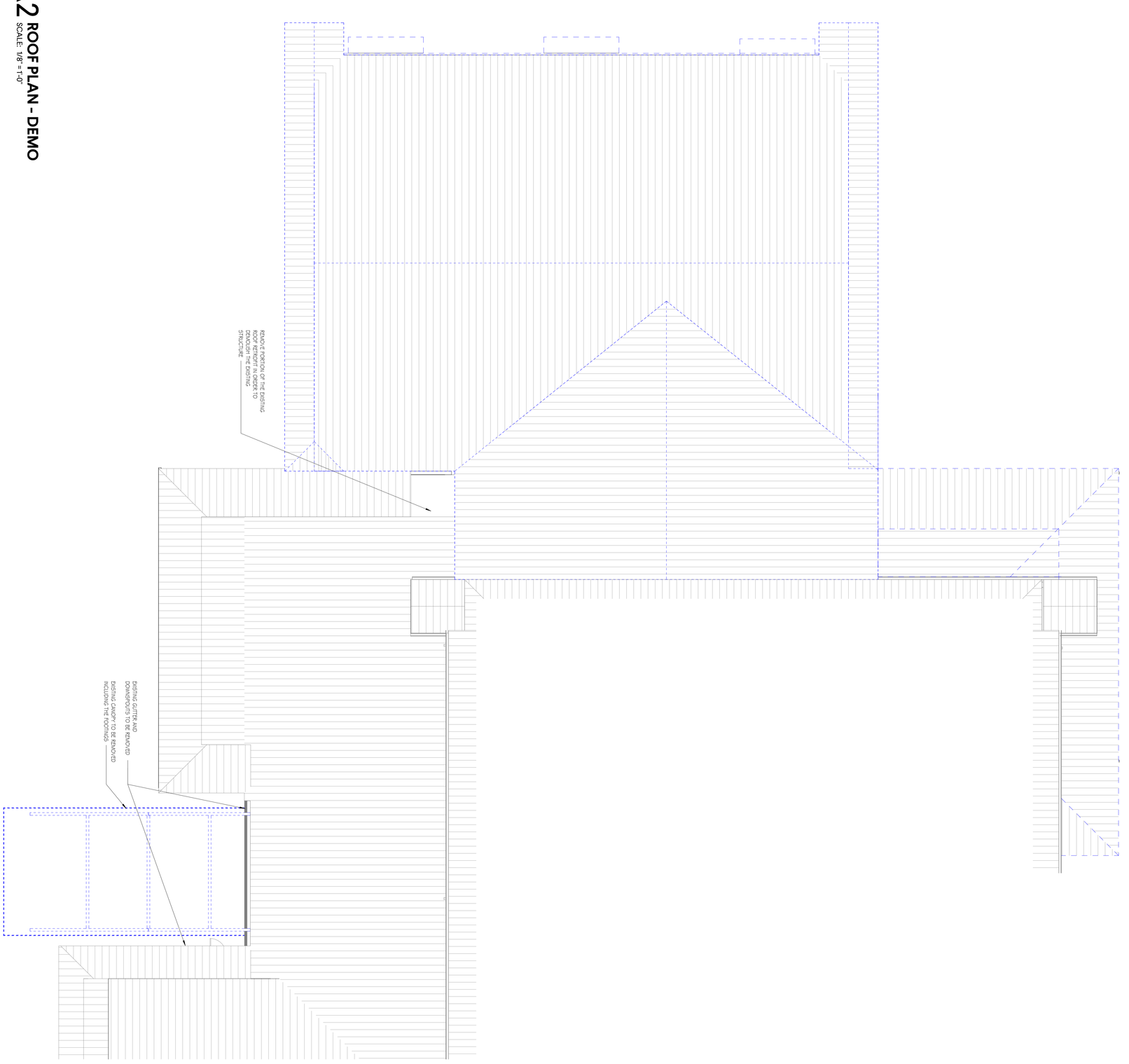
A1.31

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PLAN NORTH
TRUE NORTH

A2 ROOF PLAN - DEMO

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



ROOF PLAN - DEMO

A1.32

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8969
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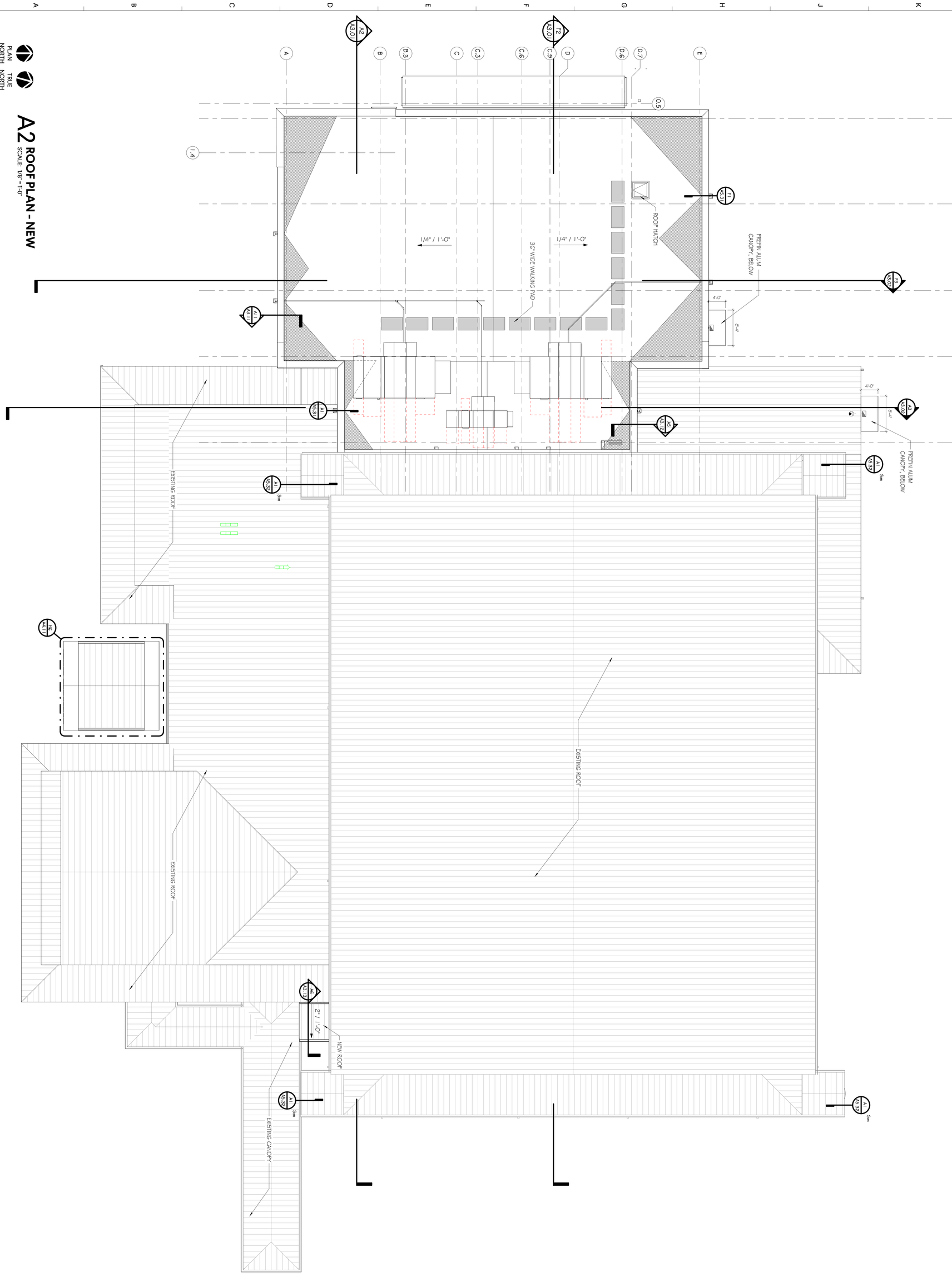
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PLAN NORTH
TRUE NORTH

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



ROOF PLAN - NEW

A1.33

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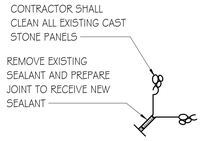
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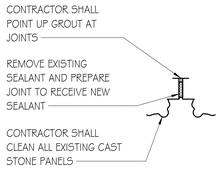
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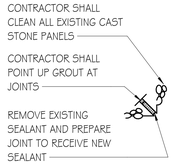
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J1 CAST STONE SEALANT JOINT
SCALE: 3" = 1'-0"



J4 CAST STONE SEALANT JOINT
SCALE: 3" = 1'-0"

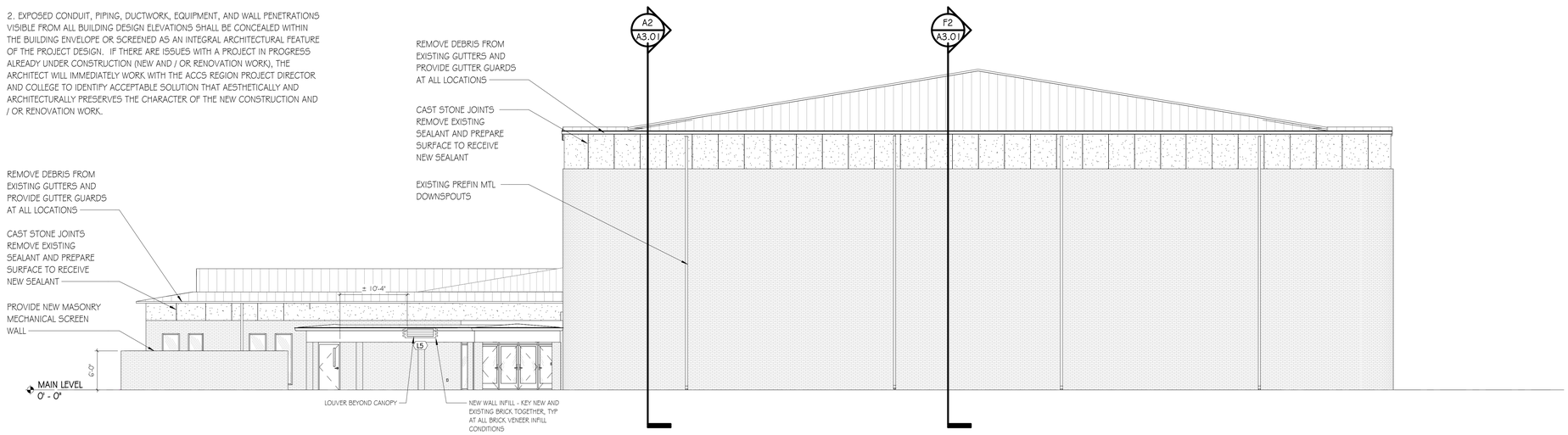


J6 CAST STONE SEALANT JOINT
SCALE: 3" = 1'-0"

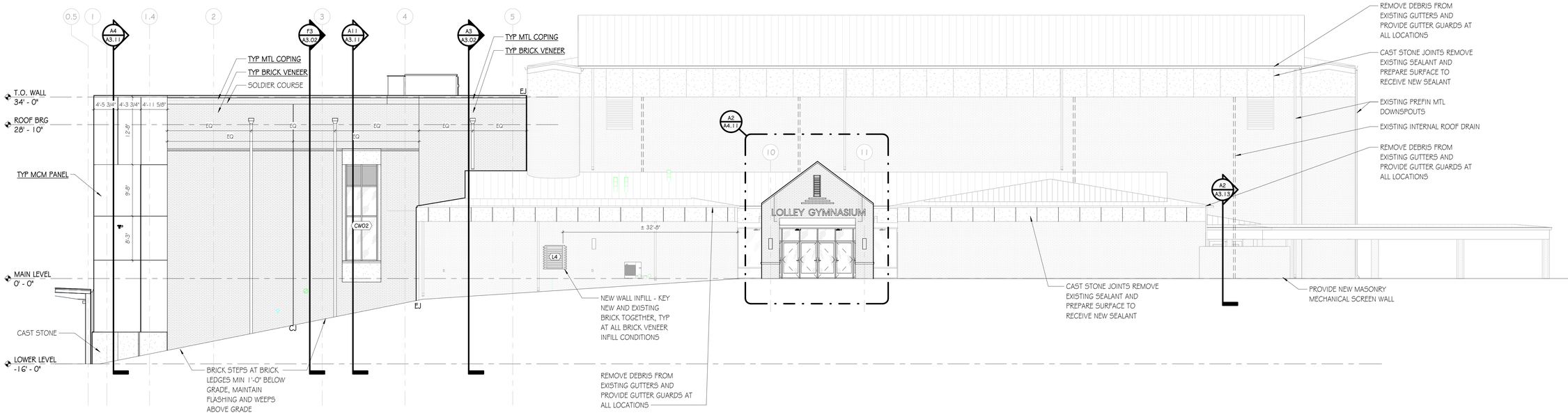
EXTERIOR SURFACE NOTES:

1. EXPOSED CONDUIT, PIPING DUCTWORK, EQUIPMENT, AND WALL PENETRATIONS VISIBLE FROM ALL BUILDING DESIGN ELEVATIONS SHALL BE CONCEALED WITHIN THE BUILDING ENVELOPE OR SCREENED AS AN INTEGRAL ARCHITECTURAL FEATURE OF THE PROJECT DESIGN. ALL EXCEPTIONS TO THIS STANDARD REQUIRE DOCUMENTED ACCS WRITTEN APPROVAL.

2. EXPOSED CONDUIT, PIPING, DUCTWORK, EQUIPMENT, AND WALL PENETRATIONS VISIBLE FROM ALL BUILDING DESIGN ELEVATIONS SHALL BE CONCEALED WITHIN THE BUILDING ENVELOPE OR SCREENED AS AN INTEGRAL ARCHITECTURAL FEATURE OF THE PROJECT DESIGN. IF THERE ARE ISSUES WITH A PROJECT IN PROGRESS ALREADY UNDER CONSTRUCTION (NEW AND / OR RENOVATION WORK), THE ARCHITECT WILL IMMEDIATELY WORK WITH THE ACCS REGION PROJECT DIRECTOR AND COLLEGE TO IDENTIFY ACCEPTABLE SOLUTION THAT AESTHETICALLY AND ARCHITECTURALLY PRESERVES THE CHARACTER OF THE NEW CONSTRUCTION AND / OR RENOVATION WORK.



E2 EAST ELEVATION
SCALE: 1/8" = 1'-0"



A2 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"

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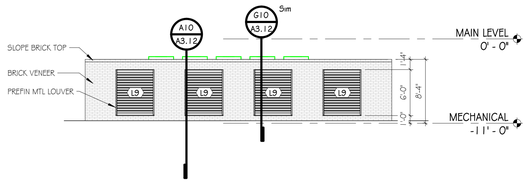
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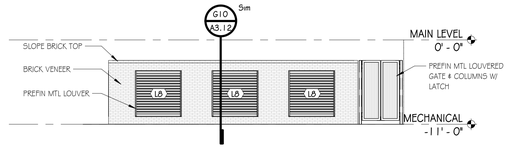
EXTERIOR ELEVATIONS

A2.01

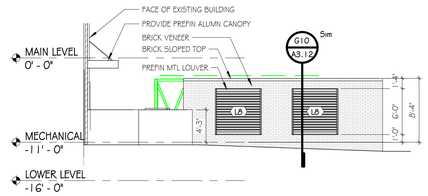
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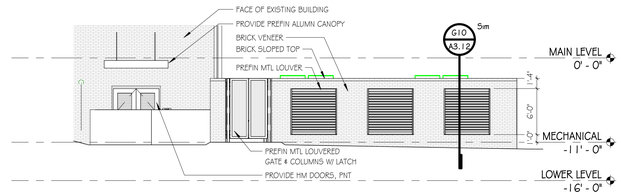
J1 CHILLER SCREEN WALL ELEVATION
SCALE: 1/8" = 1'-0"



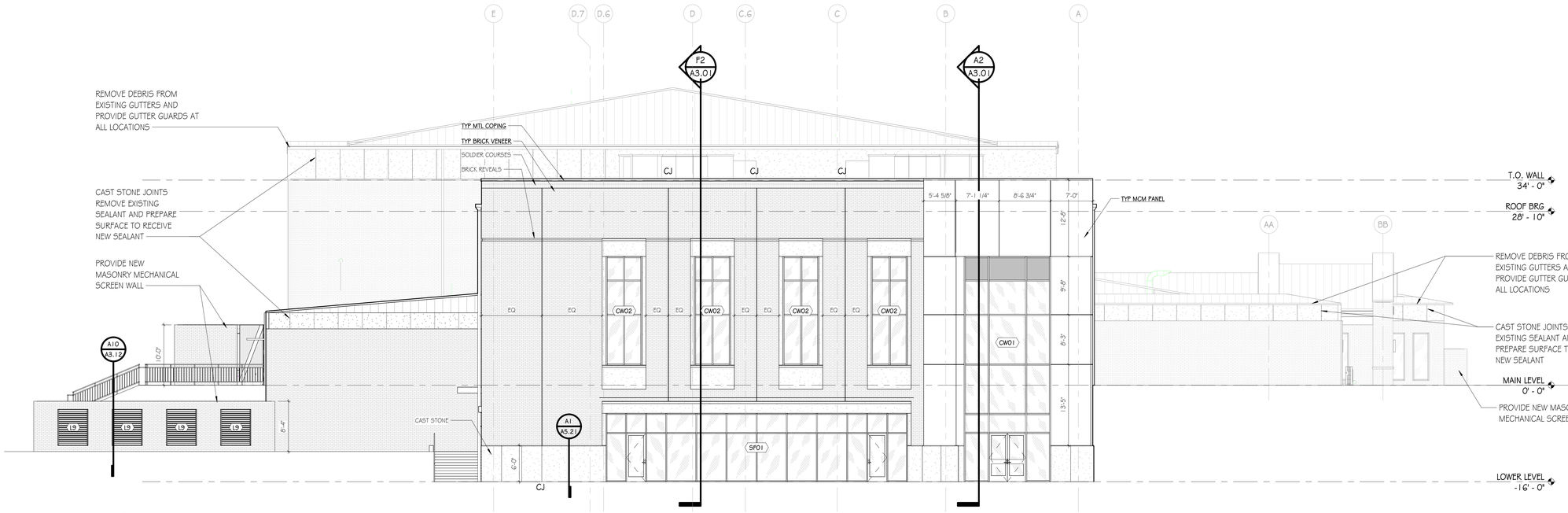
J4 CHILLER SCREEN WALL ELEVATION
SCALE: 1/8" = 1'-0"



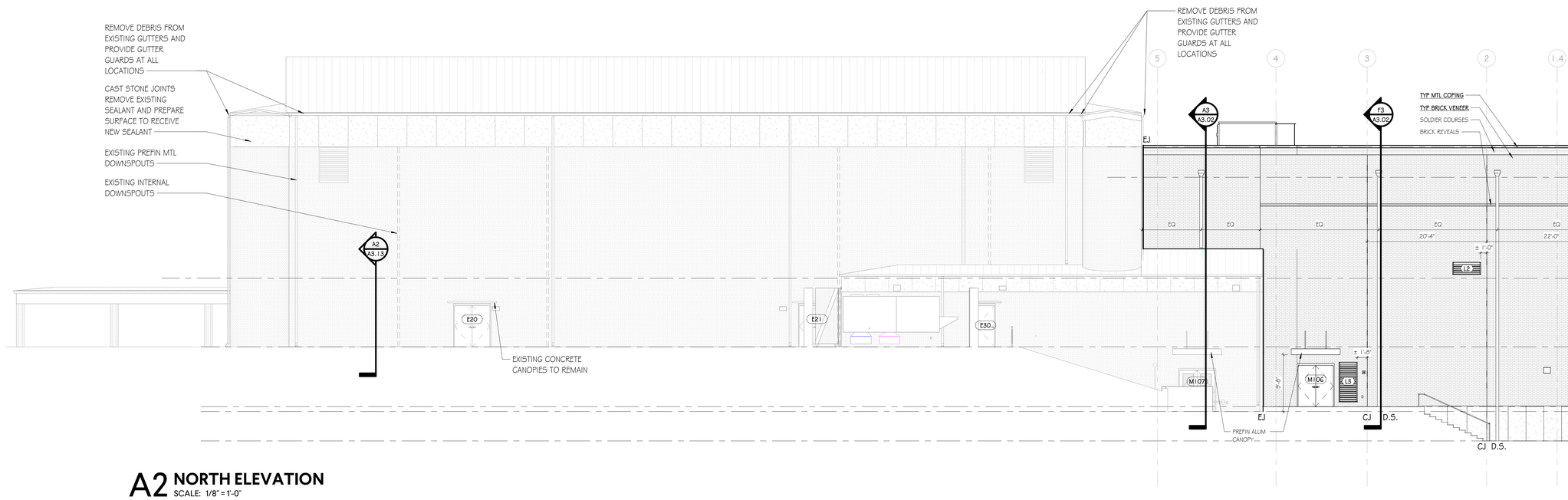
J7 CHILLER SCREEN WALL ELEVATION
SCALE: 1/8" = 1'-0"



J9 CHILLER SCREEN WALL ELEVATION
SCALE: 1/8" = 1'-0"



E2 WEST ELEVATION
SCALE: 1/8" = 1'-0"



A2 NORTH ELEVATION
SCALE: 1/8" = 1'-0"

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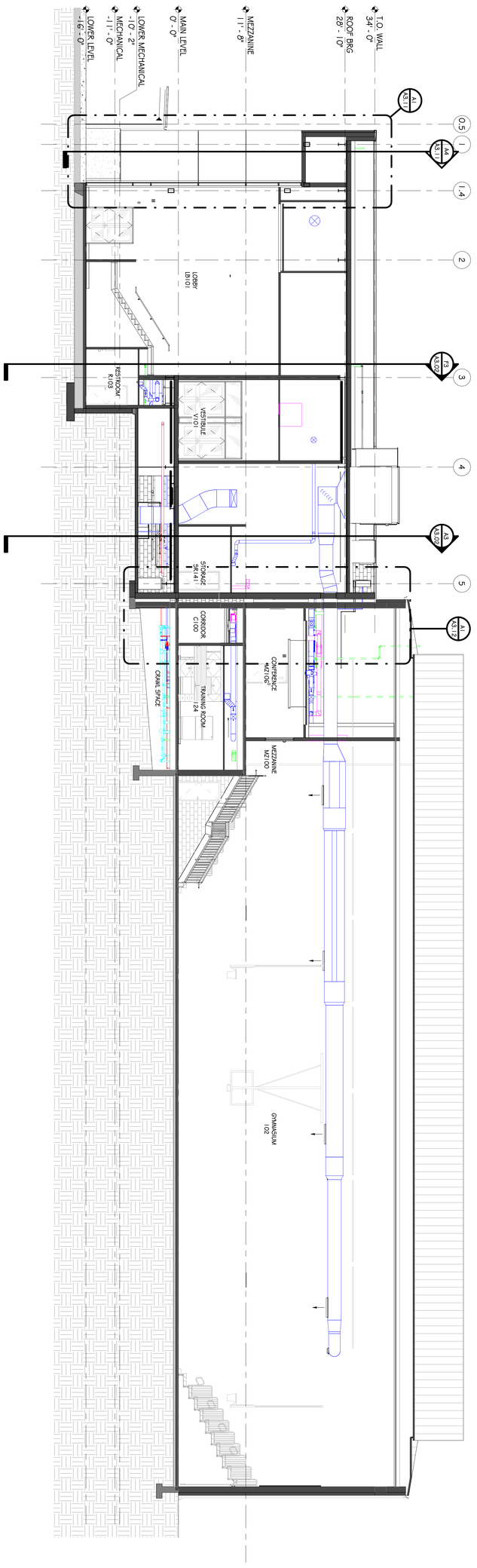
STATE OF ALABAMA
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EXTERIOR ELEVATIONS

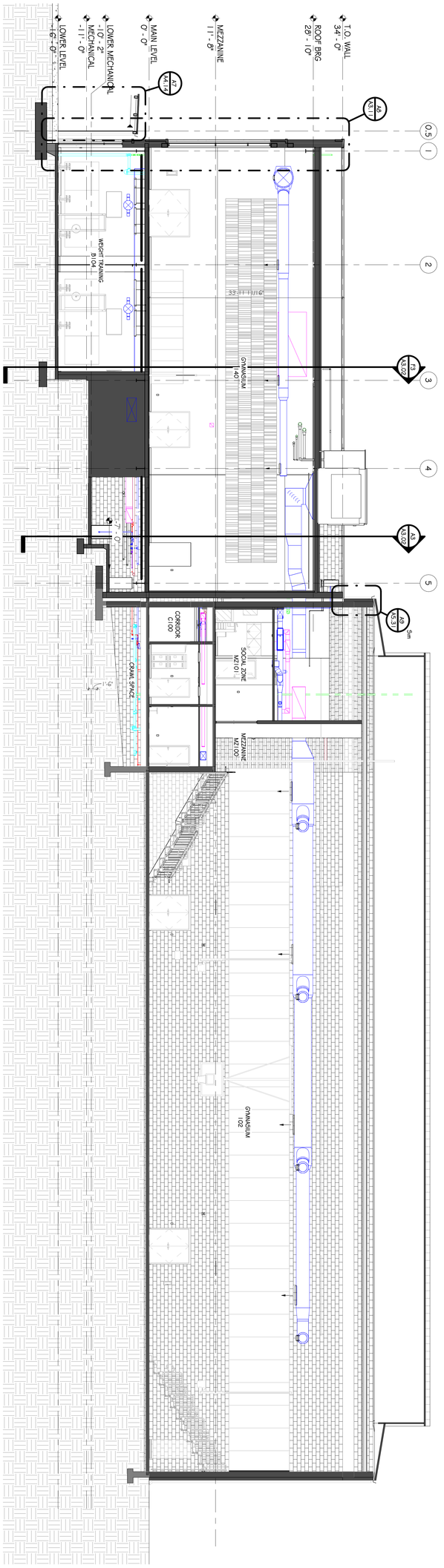
A2.02

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A2 BUILDING SECTION
SCALE: 1/8" = 1'-0"



F2 BUILDING SECTION
SCALE: 1/8" = 1'-0"



BUILDING SECTIONS

A3.01

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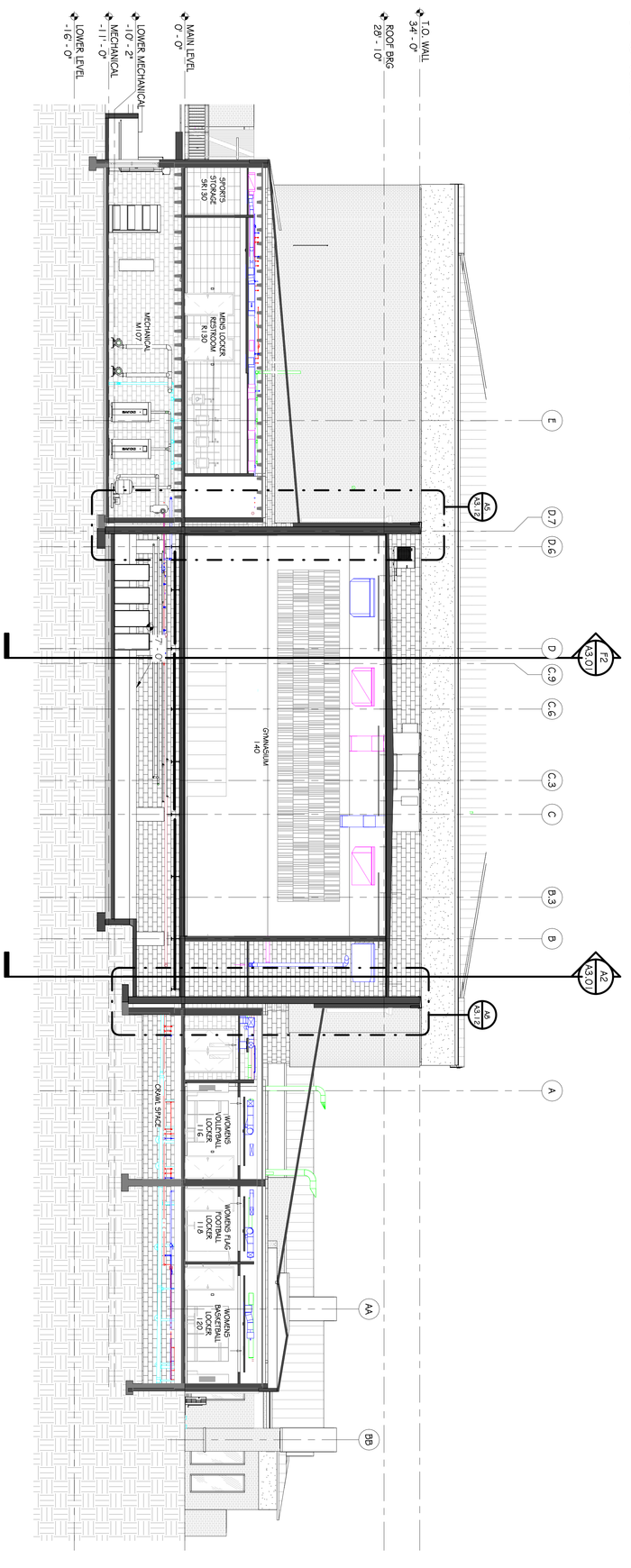
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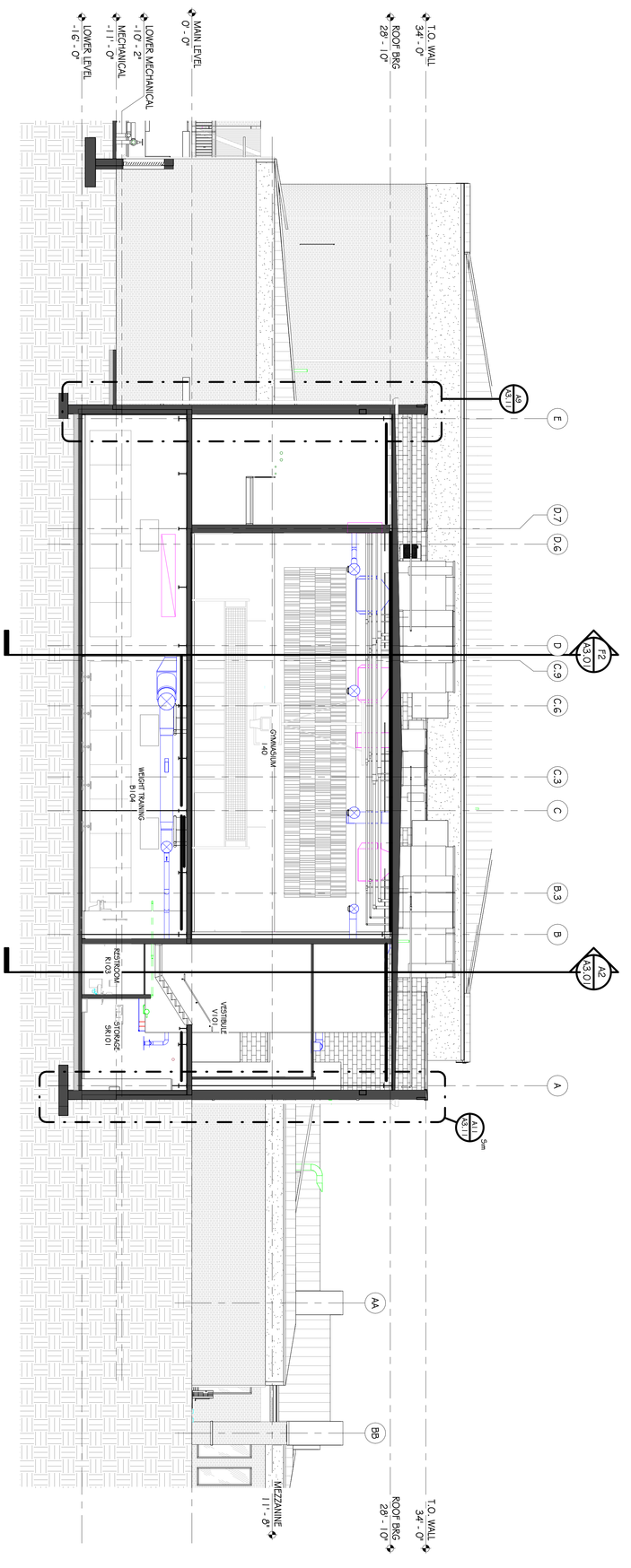
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A3 BUILDING SECTION 1
SCALE: 1/8" = 1'-0"



F3 BUILDING SECTION 3
SCALE: 1/8" = 1'-0"



BUILDING SECTIONS

A3.02

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A3.11

WALL SECTIONS

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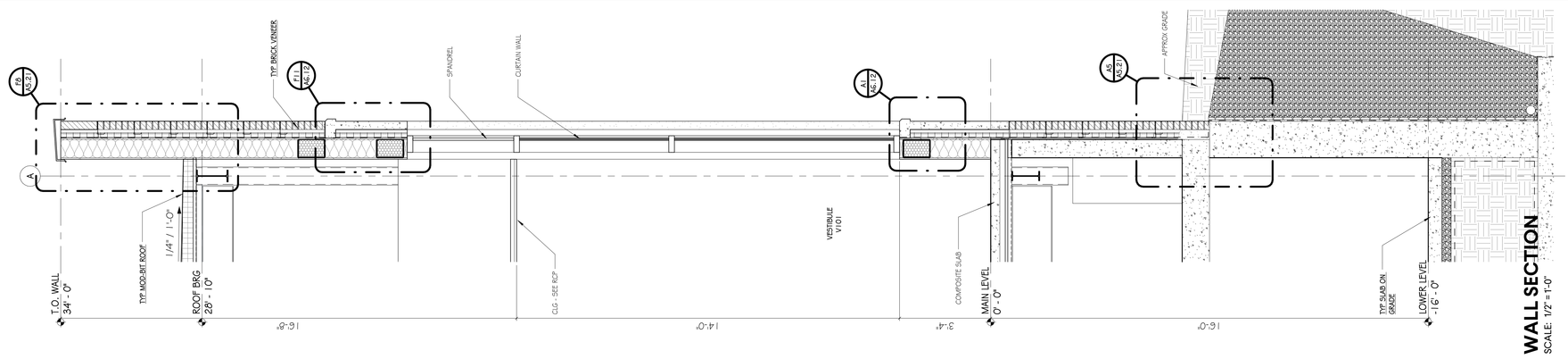
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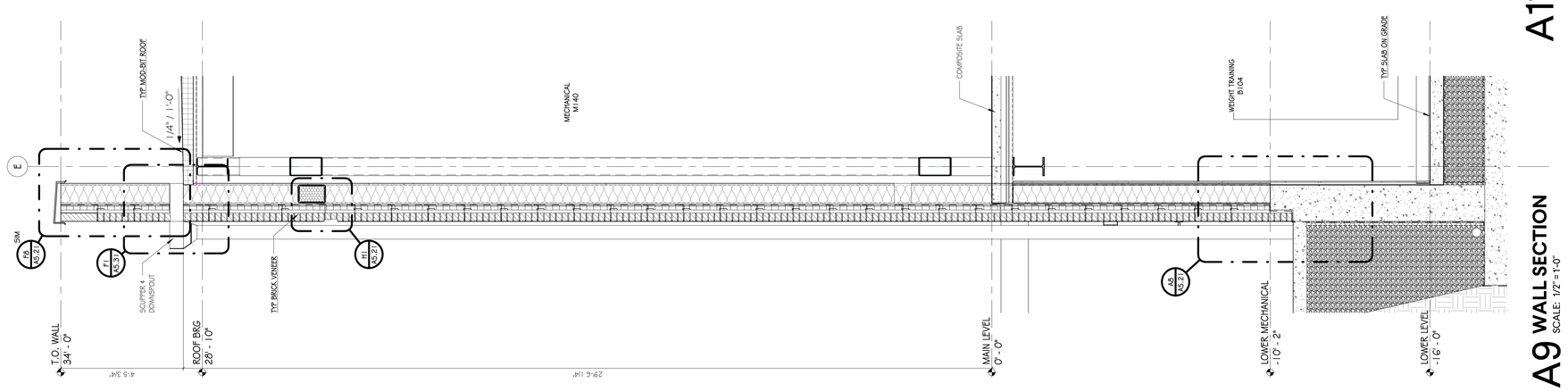
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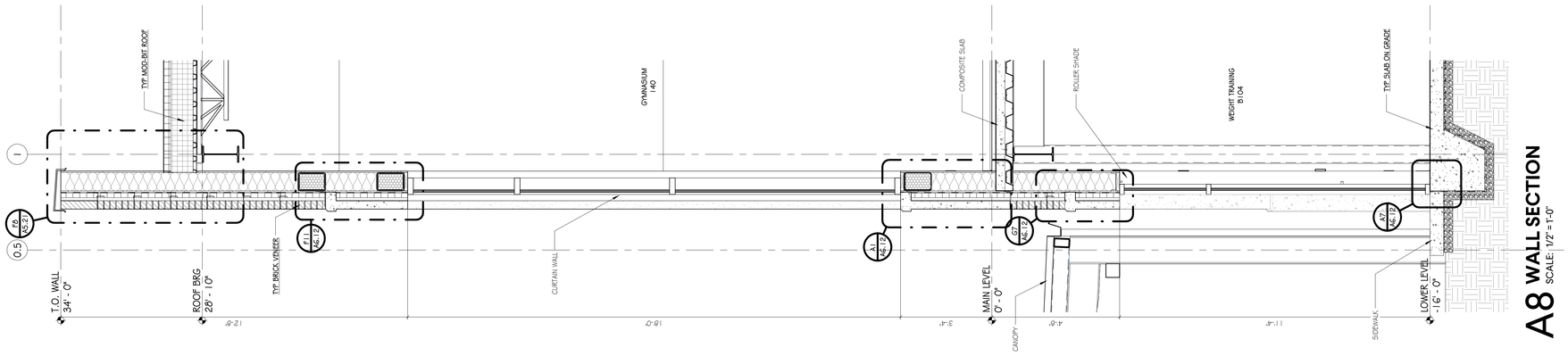
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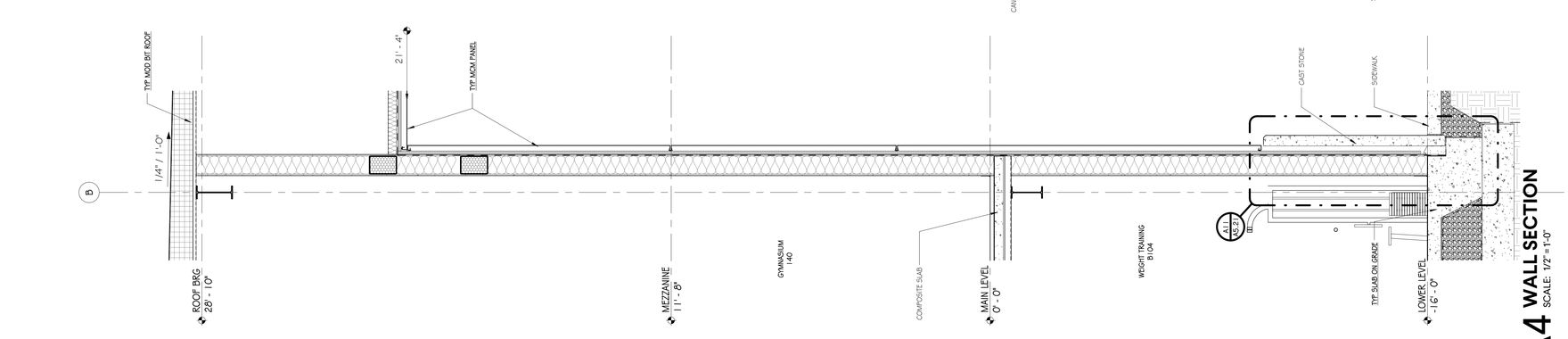
A11 WALL SECTION
SCALE: 1/2" = 1'-0"



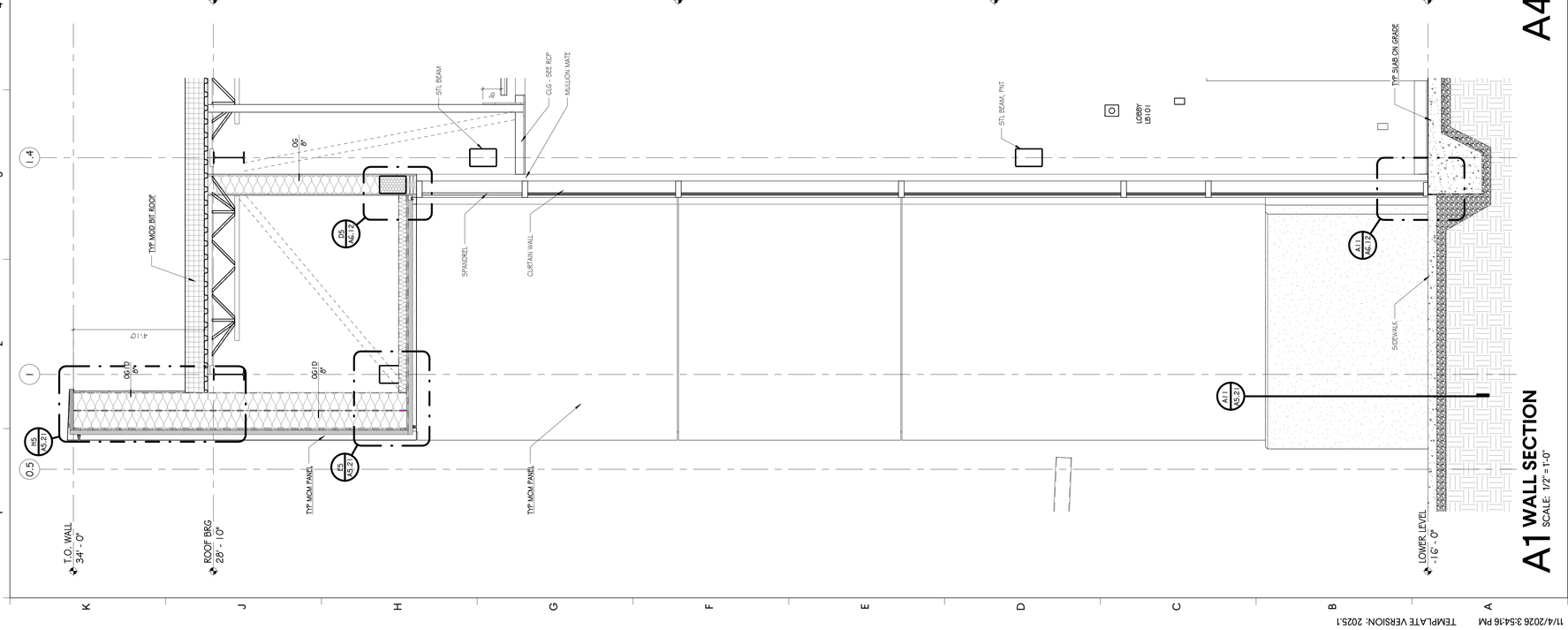
A9 WALL SECTION
SCALE: 1/2" = 1'-0"



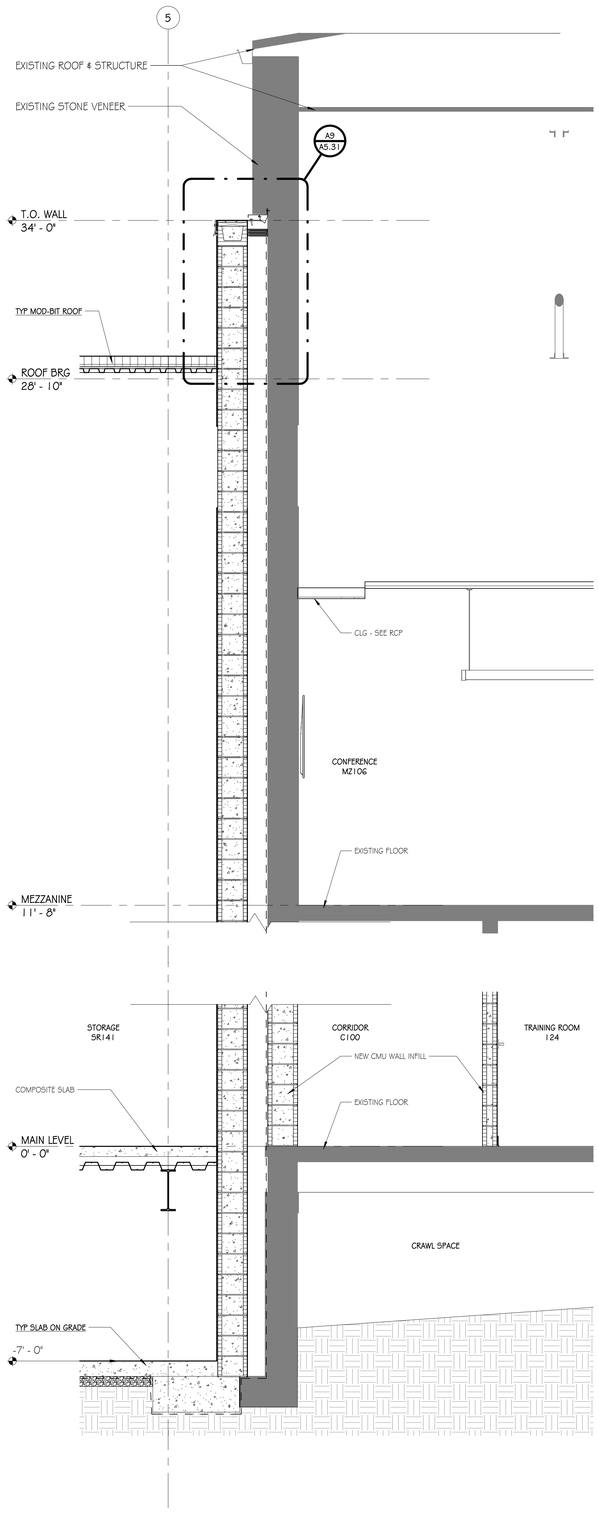
A8 WALL SECTION
SCALE: 1/2" = 1'-0"



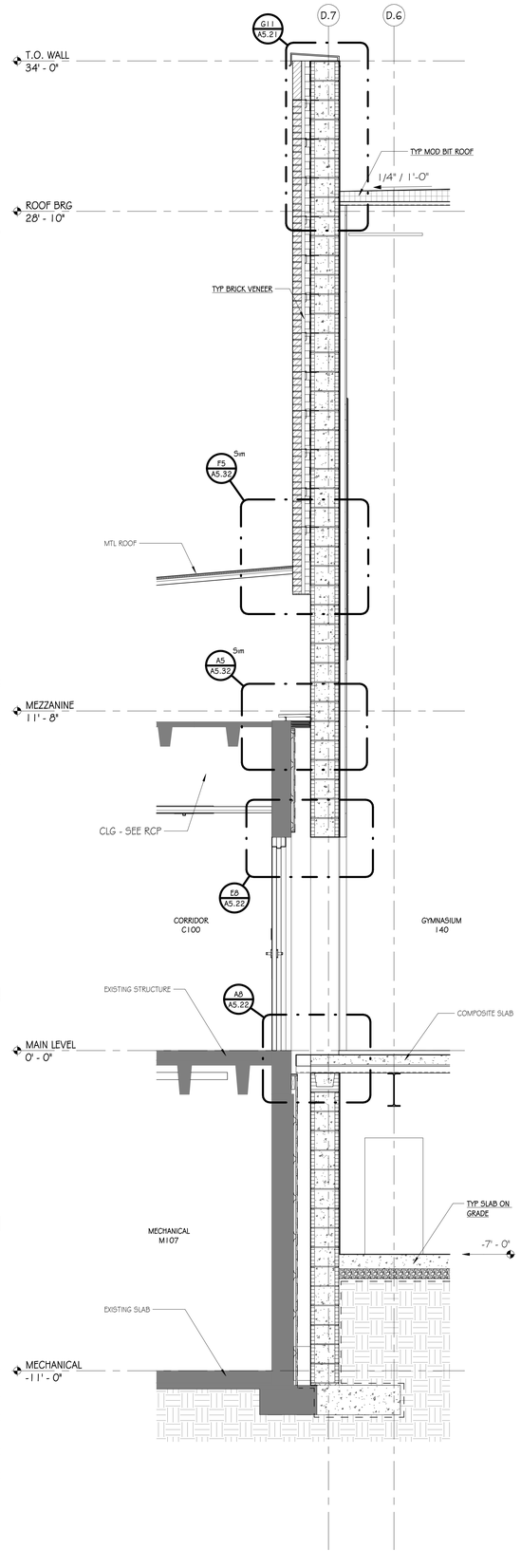
A4 WALL SECTION
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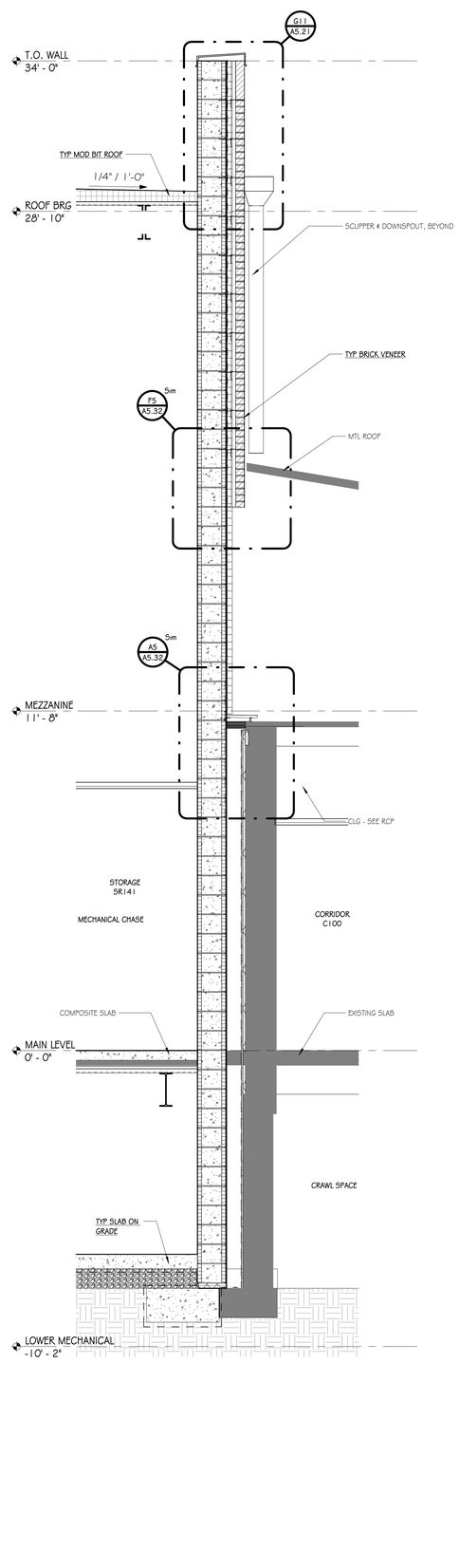
A1 WALL SECTION
SCALE: 1/2" = 1'-0"



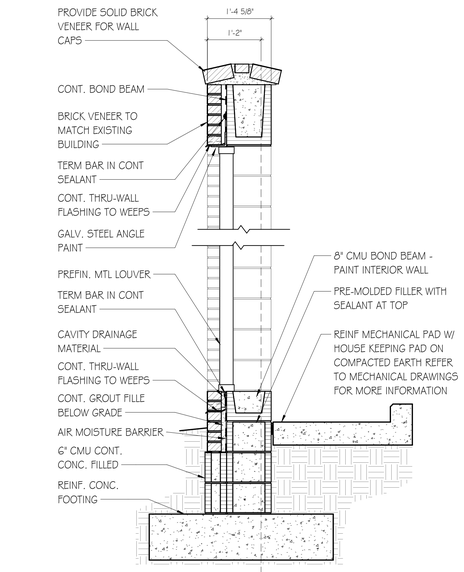
A1 WALL SECTION
SCALE: 1/2" = 1'-0"



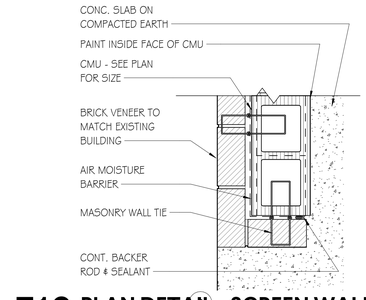
A5 WALL SECTION
SCALE: 1/2" = 1'-0"



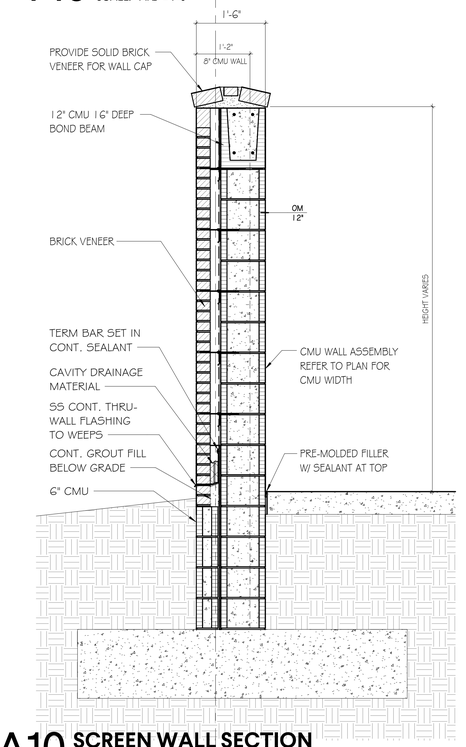
A8 WALL SECTION
SCALE: 1/2" = 1'-0"



G10 SCREEN WALL SECTION - LOUVER
SCALE: 3/4" = 1'-0"



F10 PLAN DETAIL - SCREEN WALL
SCALE: 11/2" = 1'-0"



A10 SCREEN WALL SECTION
SCALE: 3/4" = 1'-0"

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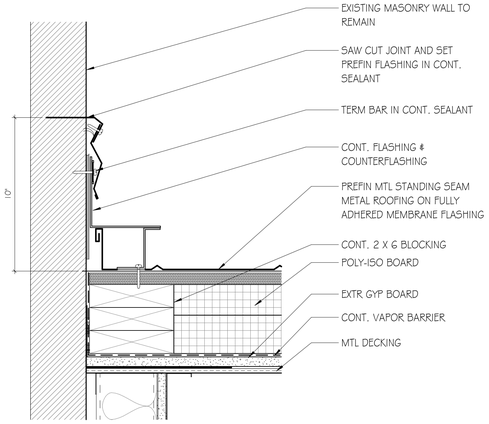
ACCS 2025 130 ESCC
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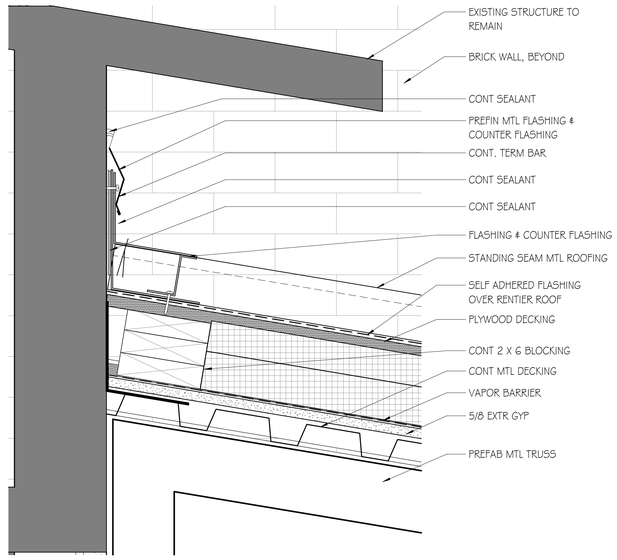
WALL SECTIONS

A3.12

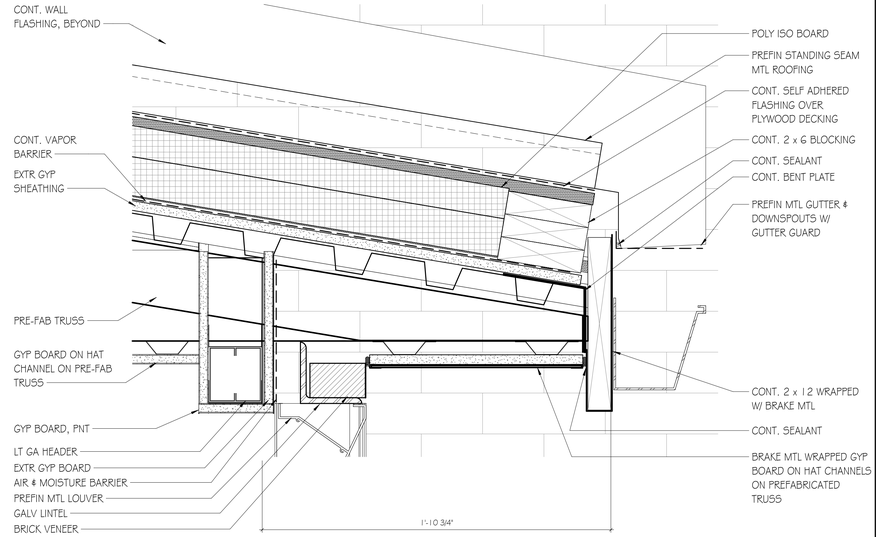
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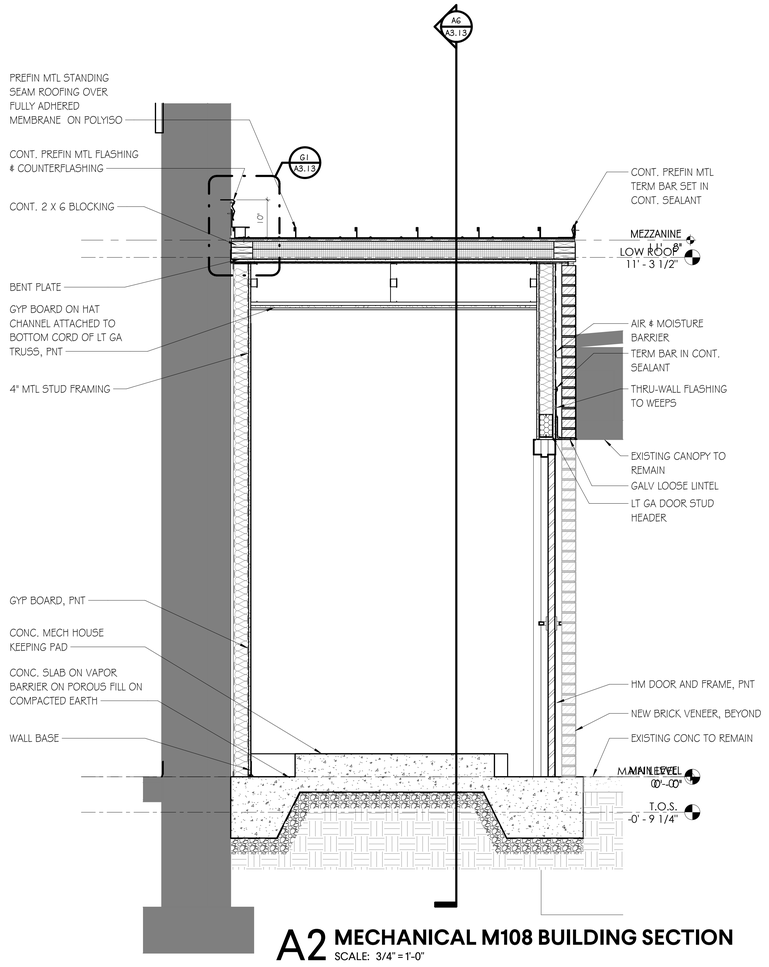
G1 EXISTING WALL FLASHING DETAIL
SCALE: 3" = 1'-0"



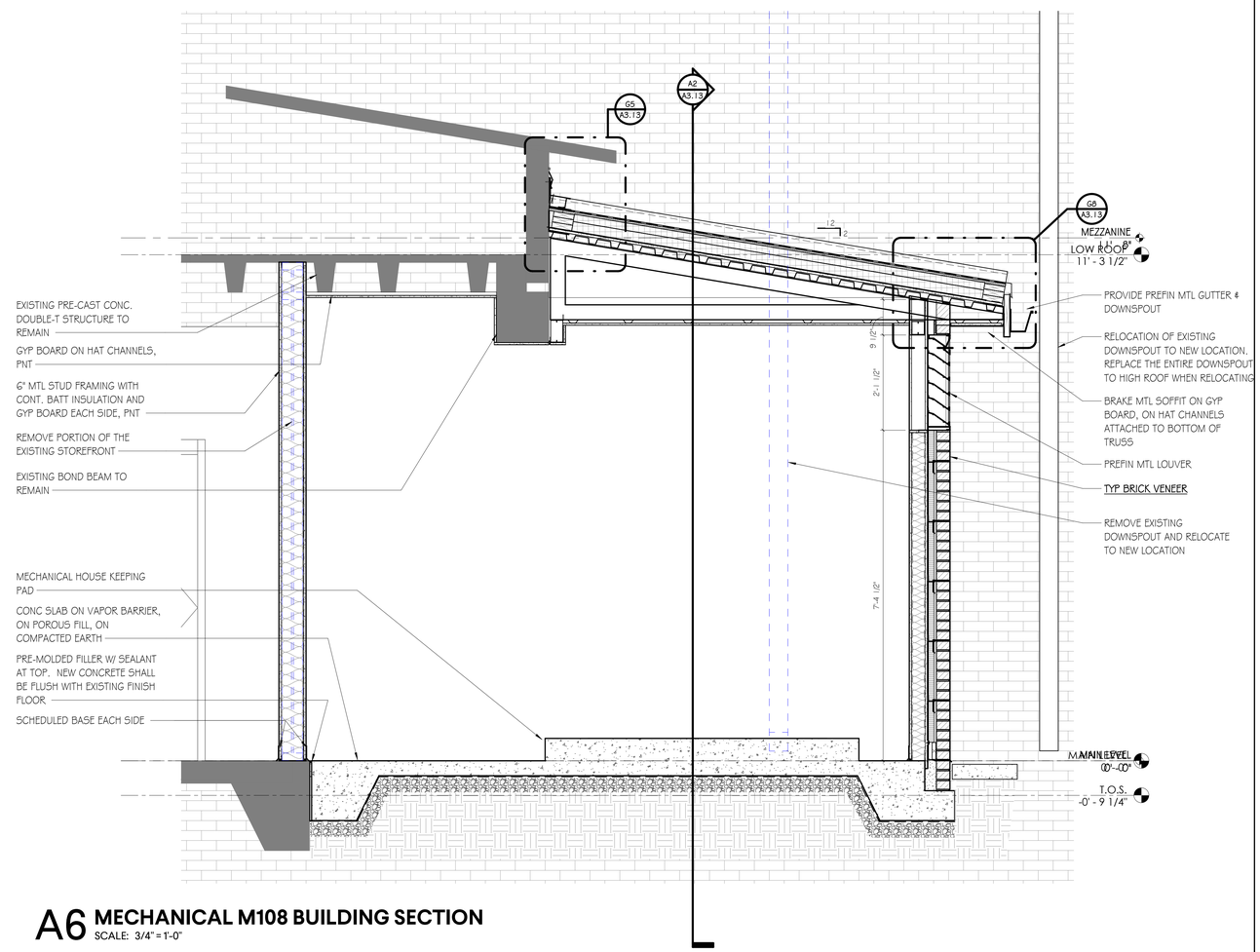
G5 FLASHING DETAIL
SCALE: 3" = 1'-0"



G8 SOFFIT DETAIL
SCALE: 3" = 1'-0"



A2 MECHANICAL M108 BUILDING SECTION
SCALE: 3/4" = 1'-0"



A6 MECHANICAL M108 BUILDING SECTION
SCALE: 3/4" = 1'-0"

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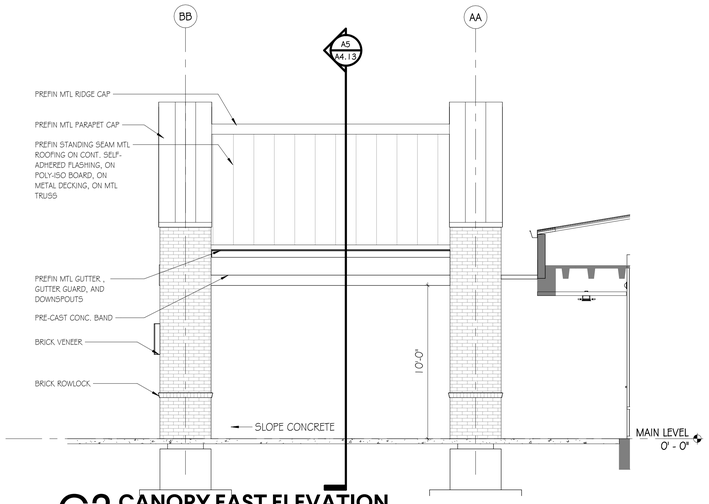
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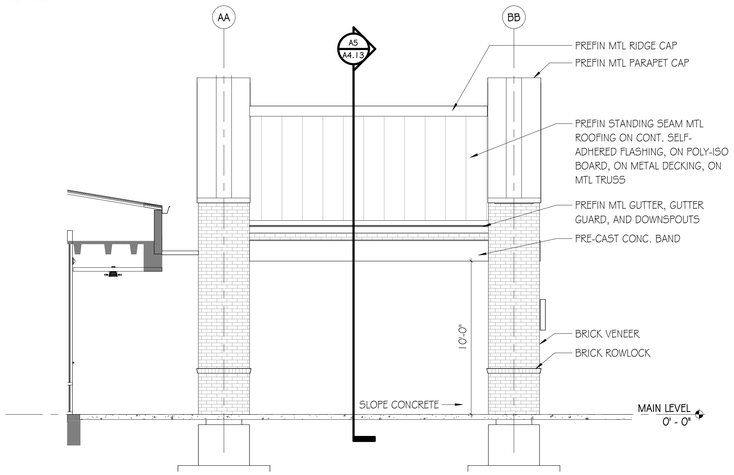
WALL SECTIONS

A3.13

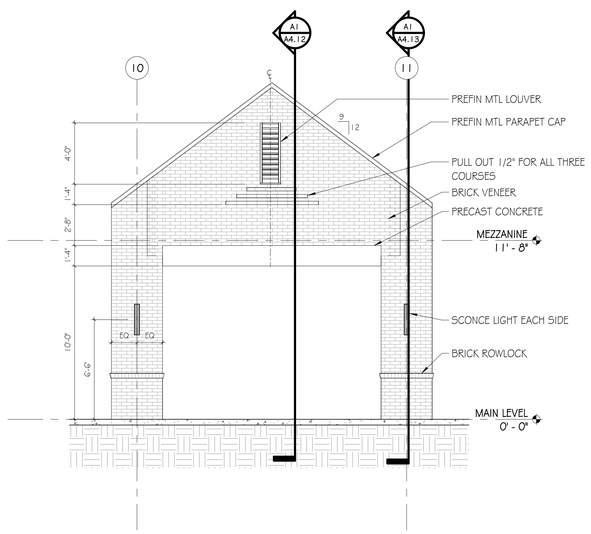
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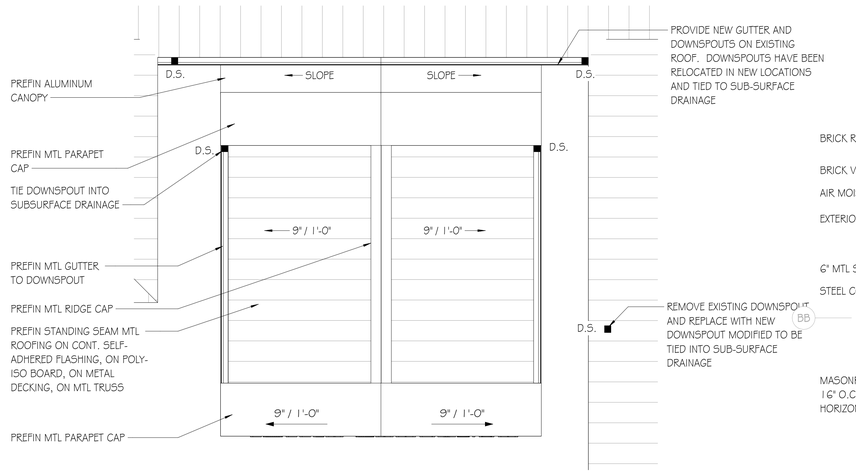
G2 CANOPY EAST ELEVATION
SCALE: 1/4" = 1'-0"



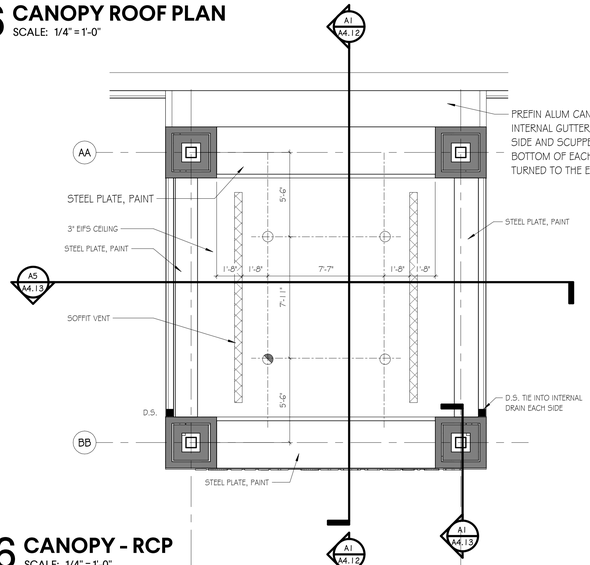
D2 CANOPY WEST ELEVATION
SCALE: 1/4" = 1'-0"



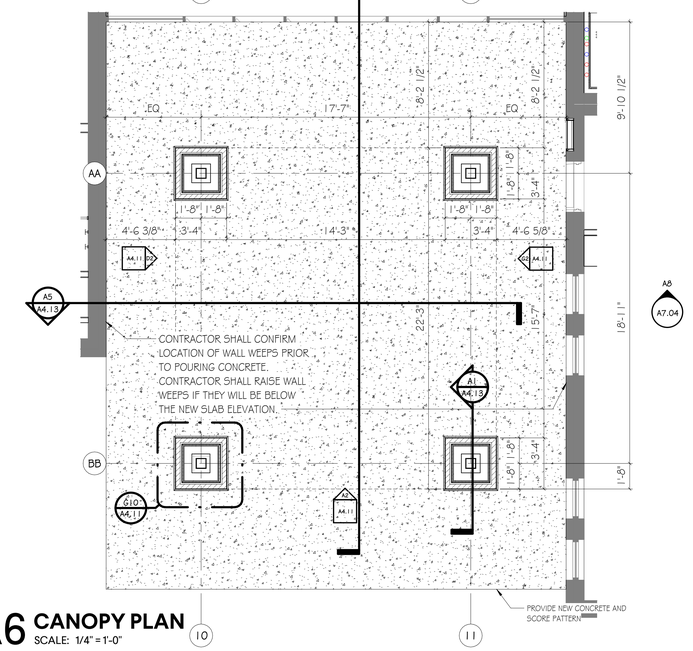
A2 CANOPY SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



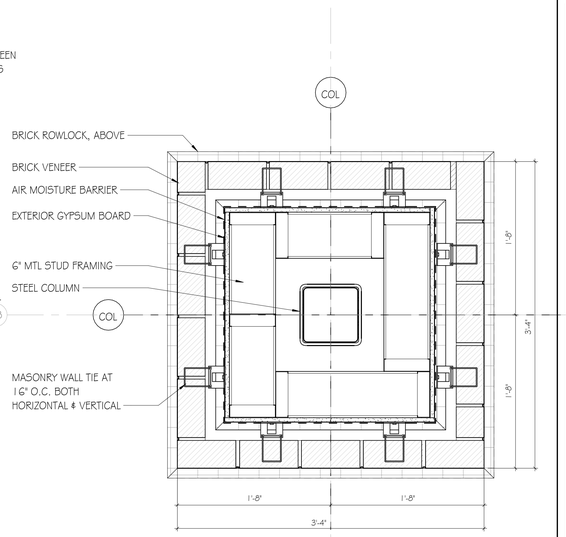
H6 CANOPY ROOF PLAN
SCALE: 1/4" = 1'-0"



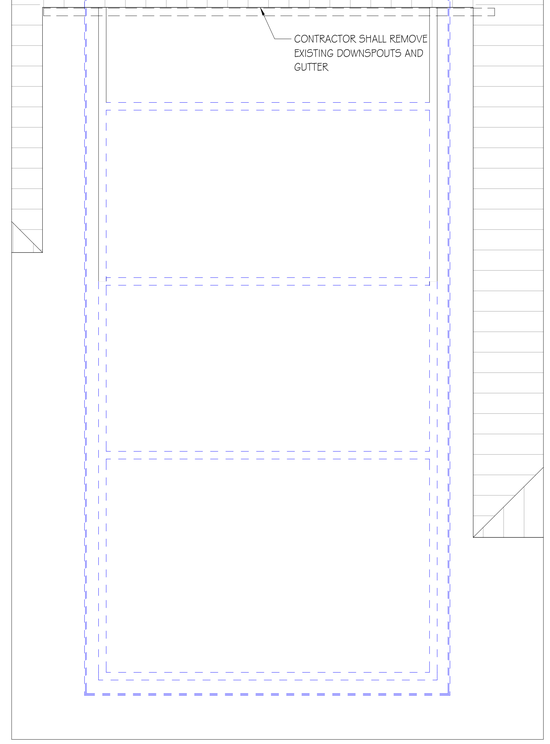
E6 CANOPY - RCP
SCALE: 1/4" = 1'-0"



A6 CANOPY PLAN
SCALE: 1/4" = 1'-0"



G10 CANOPY COLUMN DETAIL
SCALE: 1 1/2" = 1'-0"



2 CANOPY - DEMO
SCALE: 1/4" = 1'-0"

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ENTERPRISE, AL 36330

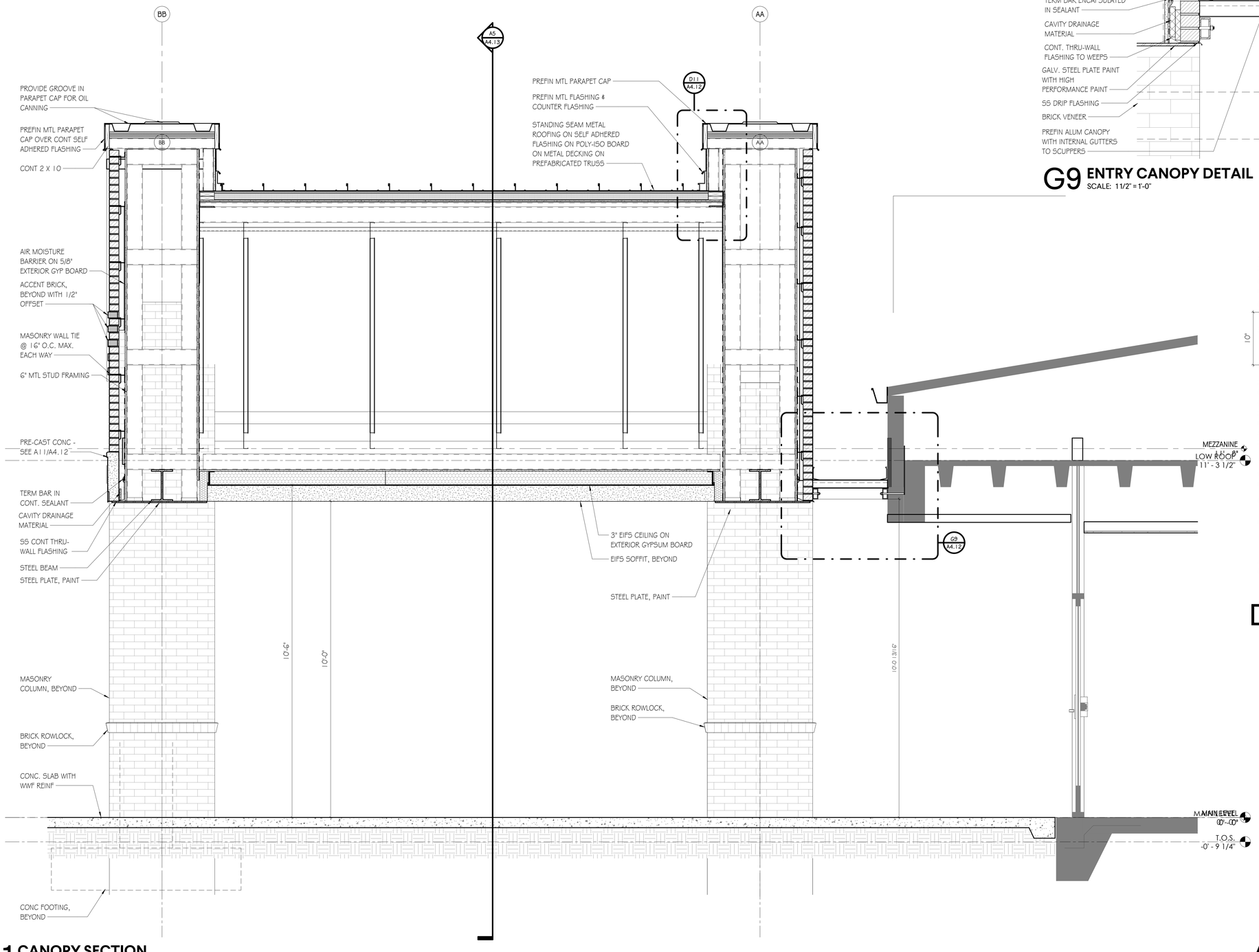
ACCS 2025 130 ESCC
GMC ABHM250051

STATE OF ALABAMA
PATRICK SWATEK
8969
REGISTERED ARCHITECT

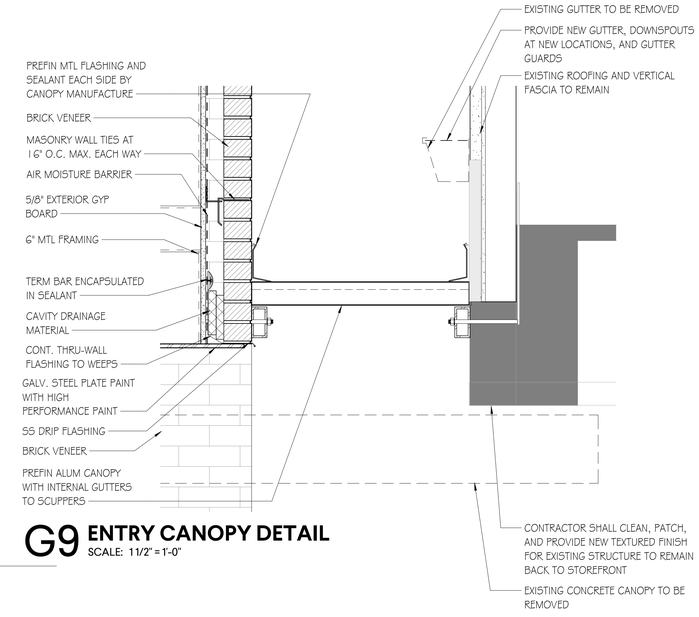
CANOPY - ENLARGED PLANS & ELEVATIONS

A4.11

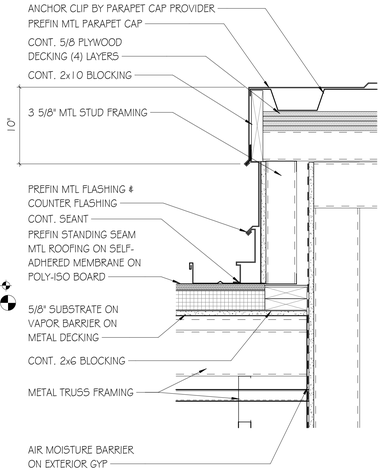
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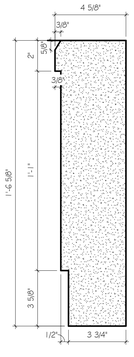
A1 CANOPY SECTION
SCALE: 3/4" = 1'-0"



G9 ENTRY CANOPY DETAIL
SCALE: 11/2" = 1'-0"



D11 CANOPY FLASHING DETAIL
SCALE: 11/2" = 1'-0"



A11 PRE-CAST PROFILE
SCALE: 3" = 1'-0"

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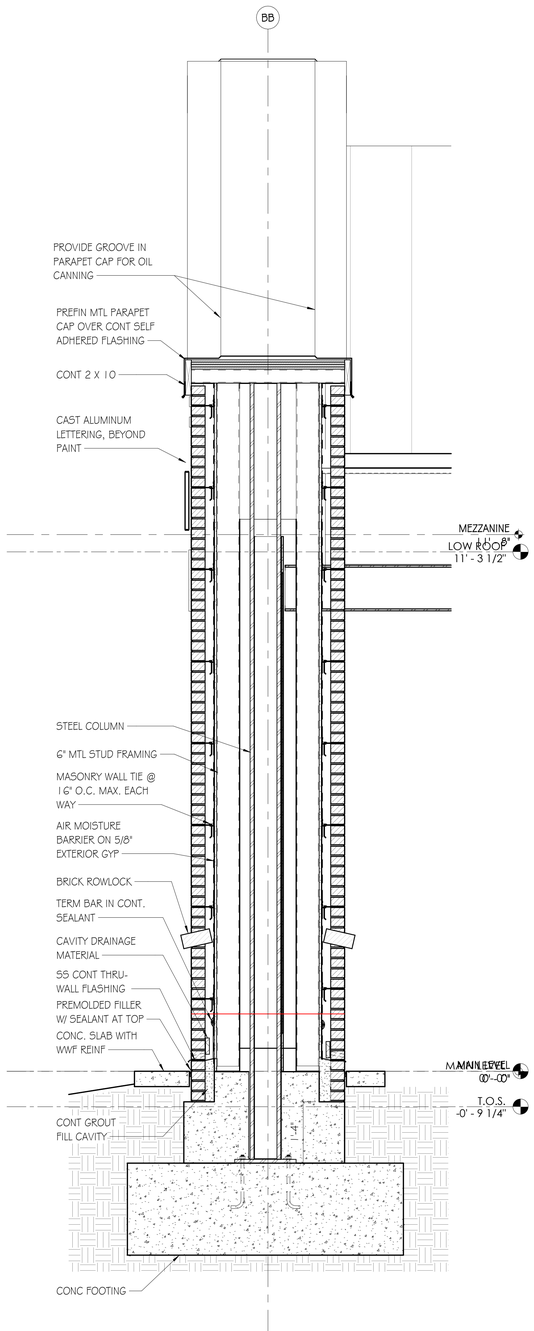
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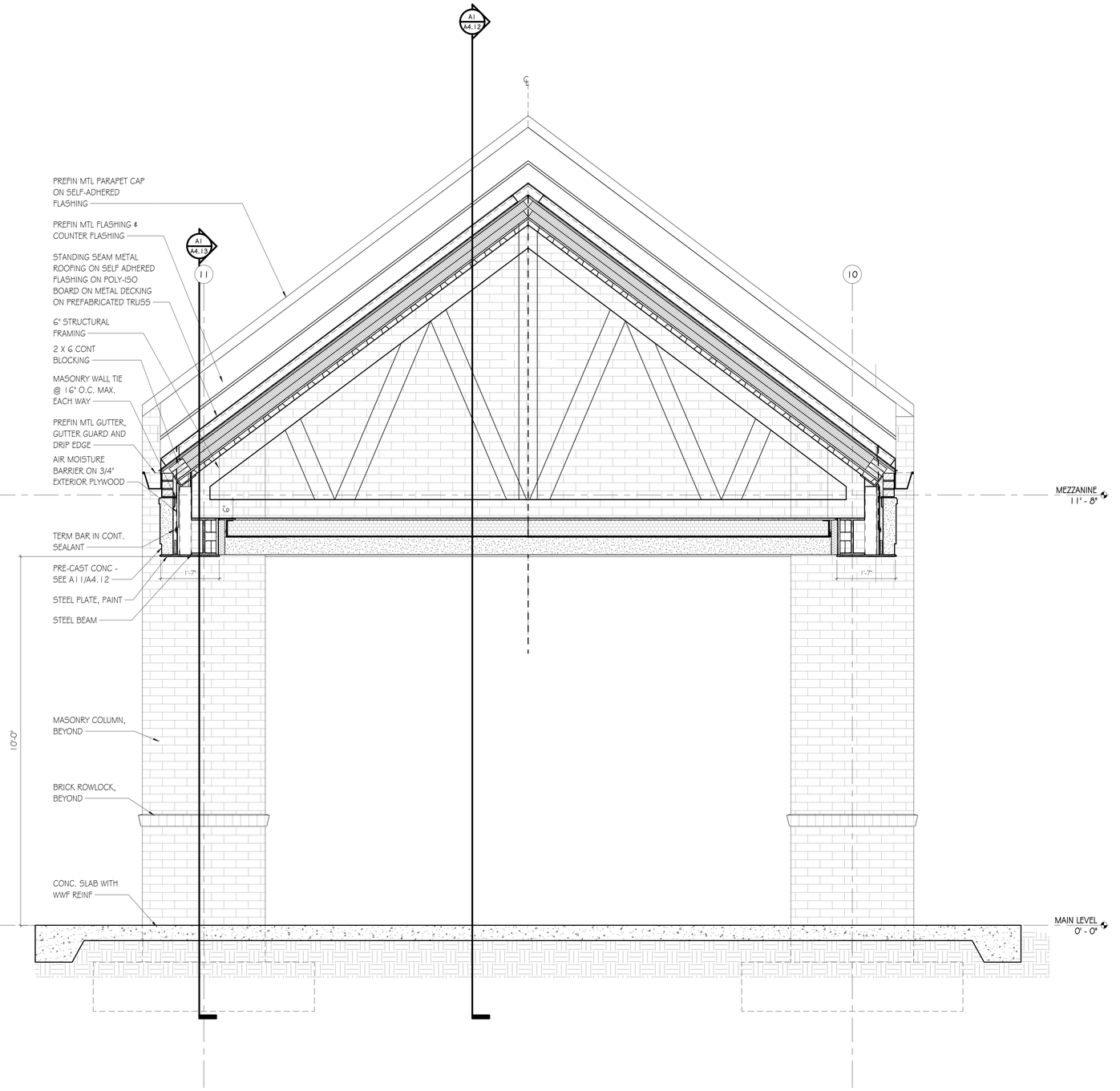
CANOPY - SECTIONS

A4.12

TEMPLATE VERSION: 2025.1
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A1 COLUMN SECTION
SCALE: 3/4" = 1'-0"



A5 CANOPY SECTION
SCALE: 3/4" = 1'-0"

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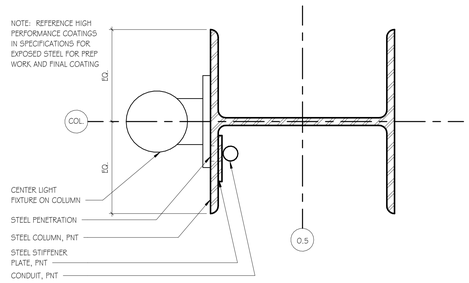
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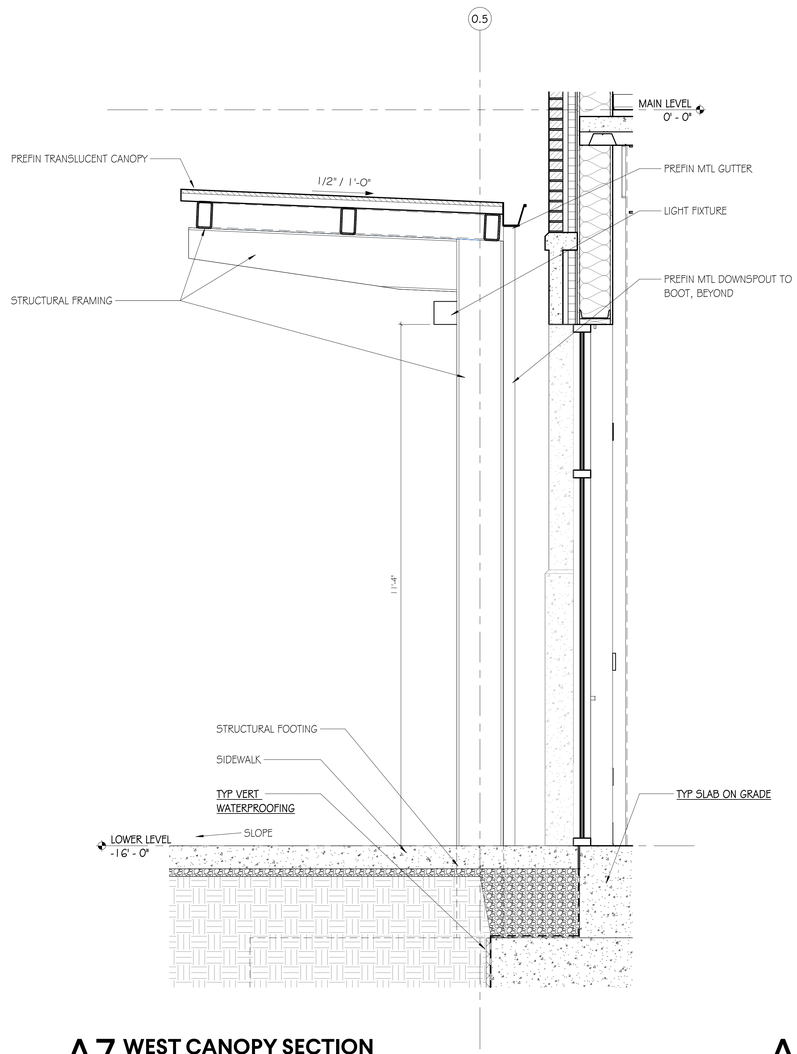
CANOPY - SECTIONS

A4.13

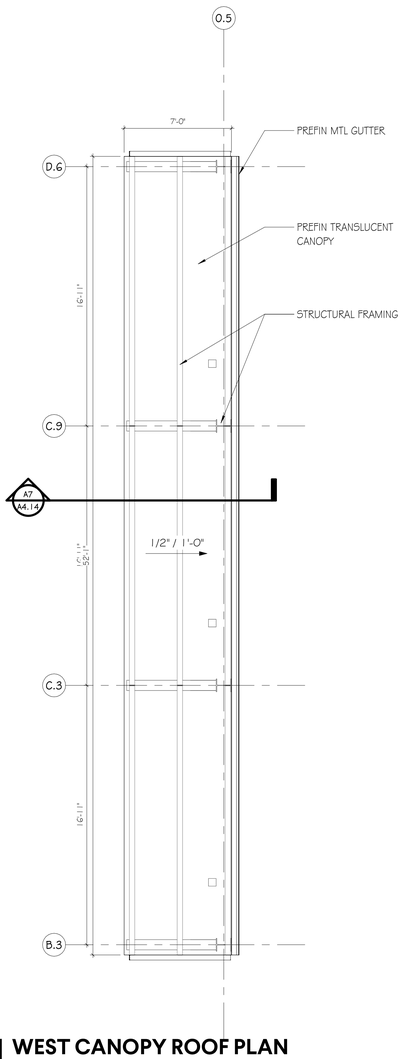
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G7 WEST CANOPY COLUMN DEATAIL
SCALE: 3" = 1'-0"



A7 WEST CANOPY SECTION
SCALE: 3/4" = 1'-0"



A11 WEST CANOPY ROOF PLAN
SCALE: 1/4" = 1'-0"

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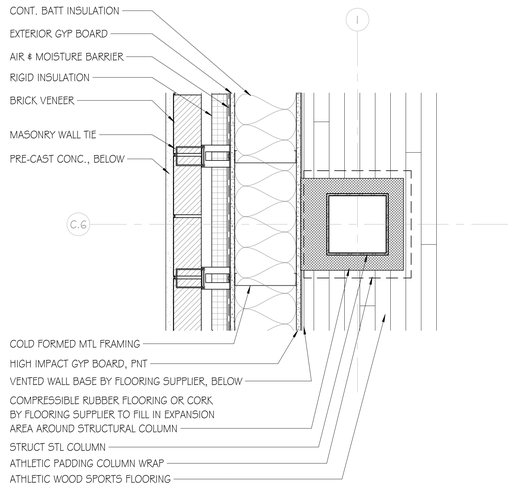
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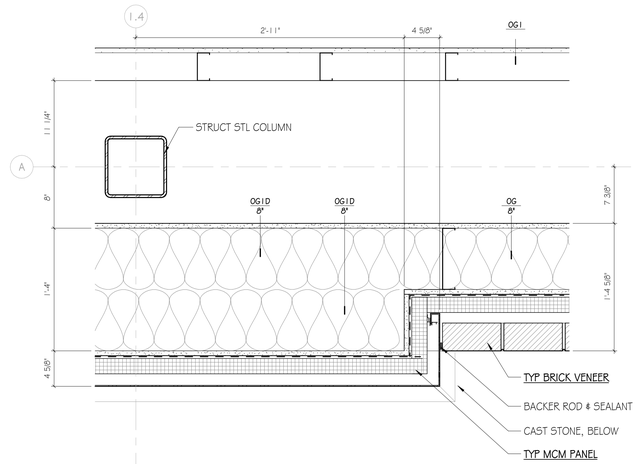
WEST CANOPY

A4.14

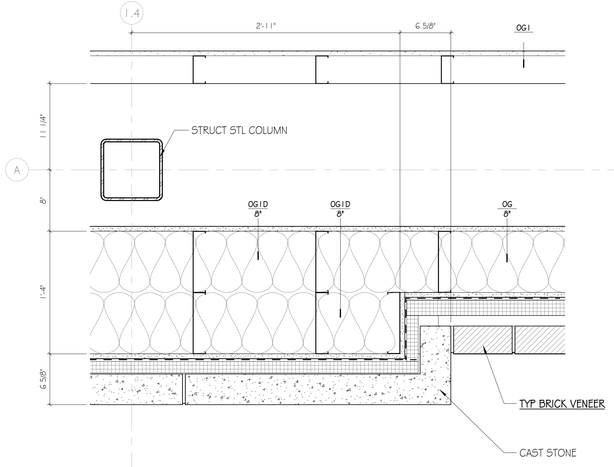
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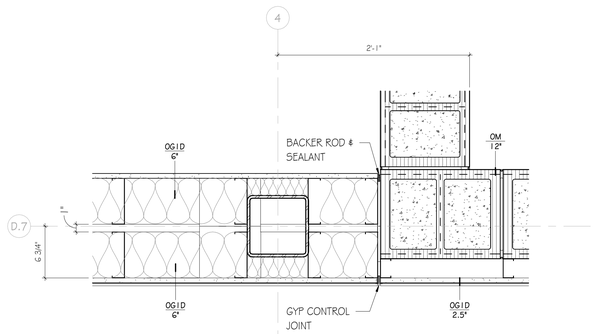
H3 COLUMN DETAIL - GYM
SCALE: 1 1/2" = 1'-0"



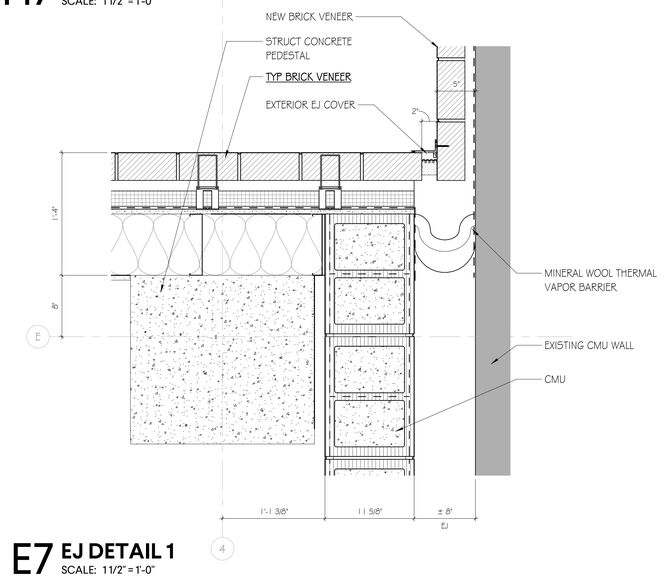
H7 BRICK TO MCM DETAIL
SCALE: 1 1/2" = 1'-0"



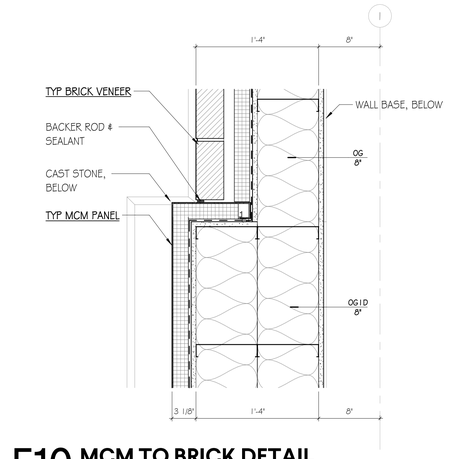
H10 CAST STONE TO BRICK DETAIL
SCALE: 1 1/2" = 1'-0"



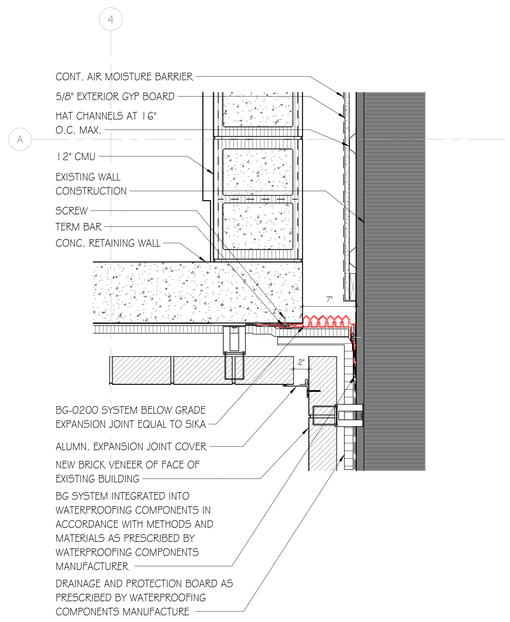
E3 STUD TO CMU
SCALE: 1 1/2" = 1'-0"



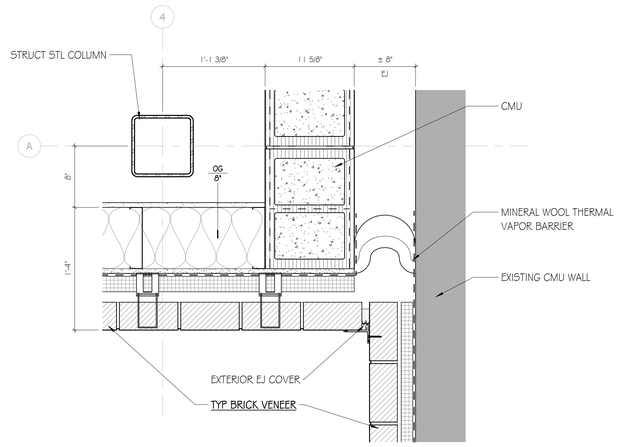
E7 EJ DETAIL 1
SCALE: 1 1/2" = 1'-0"



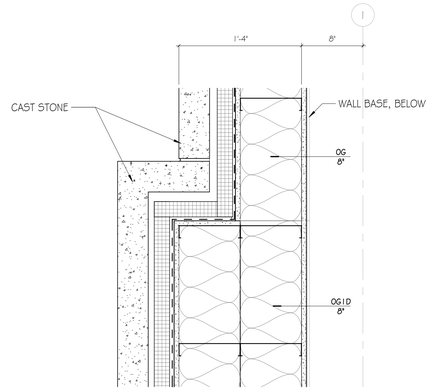
E10 MCM TO BRICK DETAIL
SCALE: 1 1/2" = 1'-0"



A3 BELOW GRADE EJ DETAIL
SCALE: 1 1/2" = 1'-0"



A7 EJ DETAIL 2
SCALE: 1 1/2" = 1'-0"



A10 CAST STONE CORNER DETAIL
SCALE: 1 1/2" = 1'-0"

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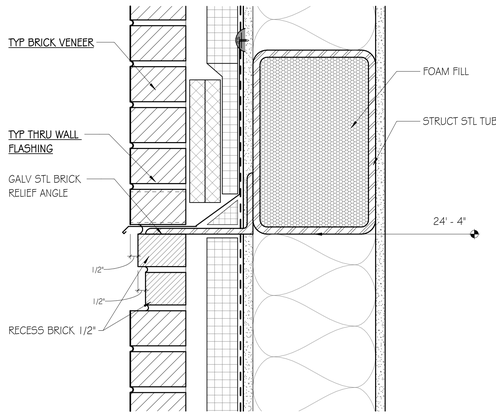
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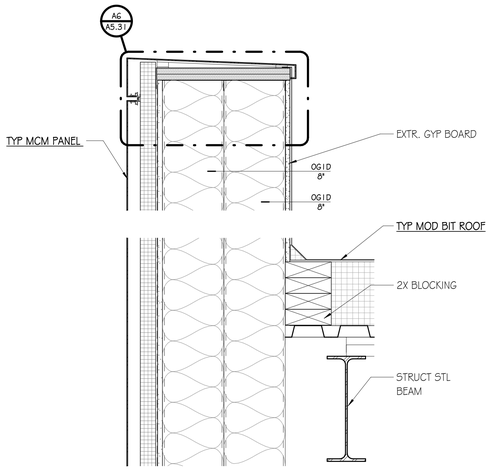
PLAN DETAILS

A5.11

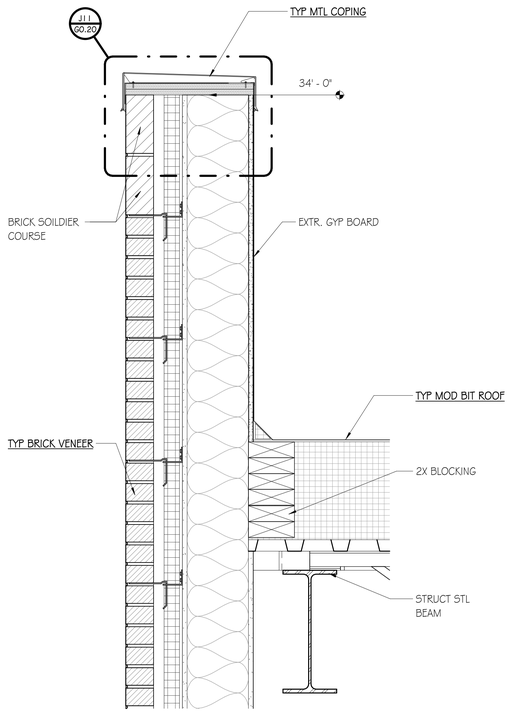
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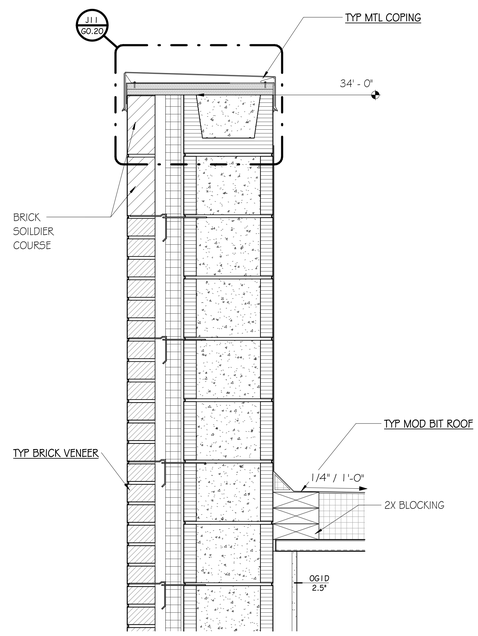
H1 BRICK RECESS DETAIL
SCALE: 3" = 1'-0"



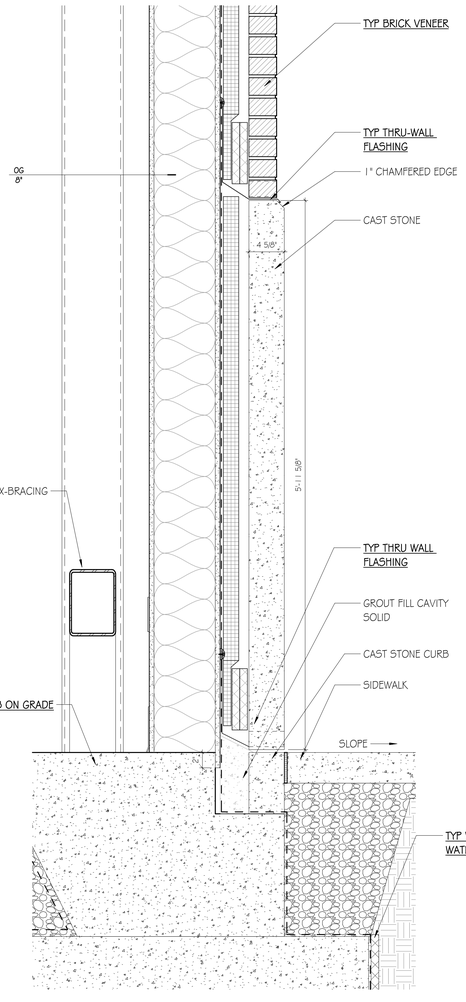
H5 PARAPET - MCM
SCALE: 1 1/2" = 1'-0"



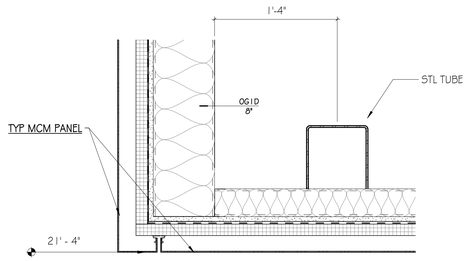
F8 PARAPET - BRICK
SCALE: 1 1/2" = 1'-0"



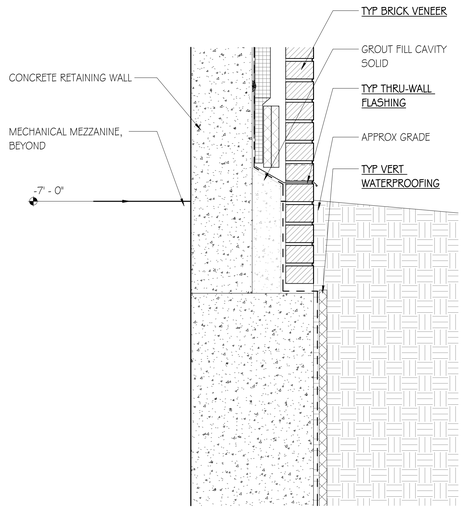
G11 PARAPET - CMU
SCALE: 1 1/2" = 1'-0"



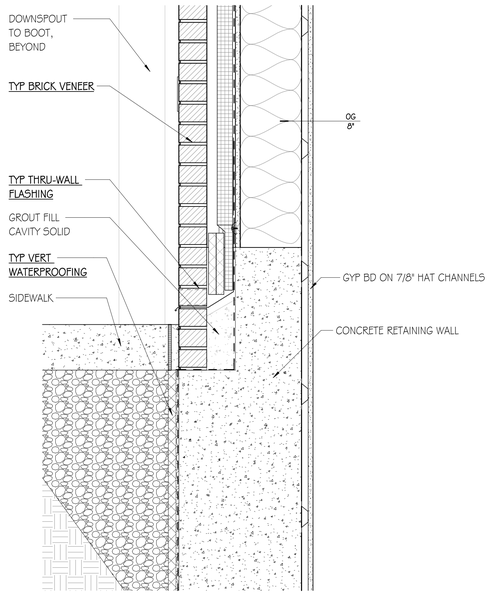
A1 BASE OF WALL - CAST STONE
SCALE: 1 1/2" = 1'-0"



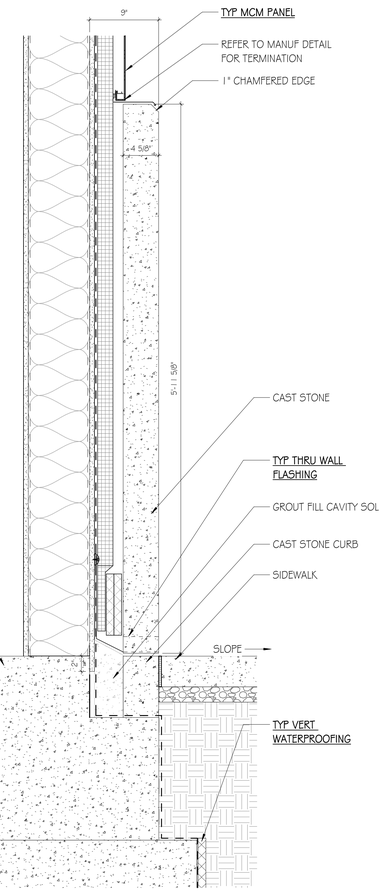
E5 MCM SOFFIT DETAIL
SCALE: 1 1/2" = 1'-0"



A5 BASE OF WALL - BRICK
SCALE: 1 1/2" = 1'-0"



A8 BASE OF WALL - SIDEWALK
SCALE: 1 1/2" = 1'-0"



A11 BASE OF WALL CAST STONE - MCM
SCALE: 1 1/2" = 1'-0"

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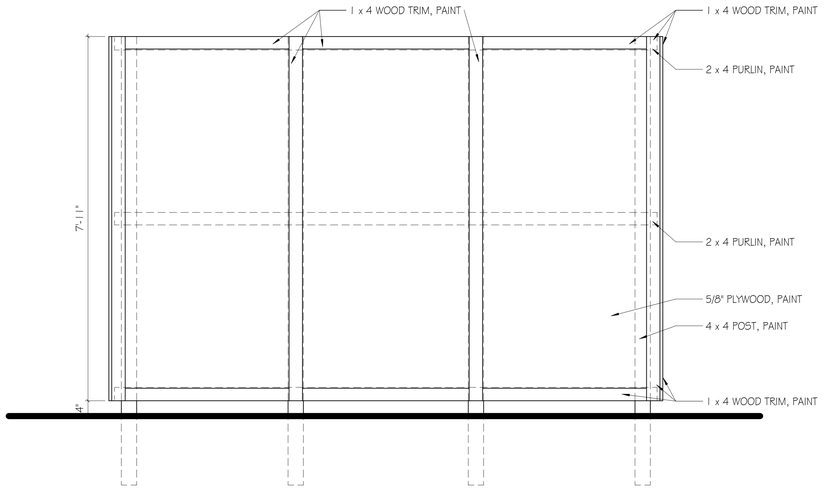
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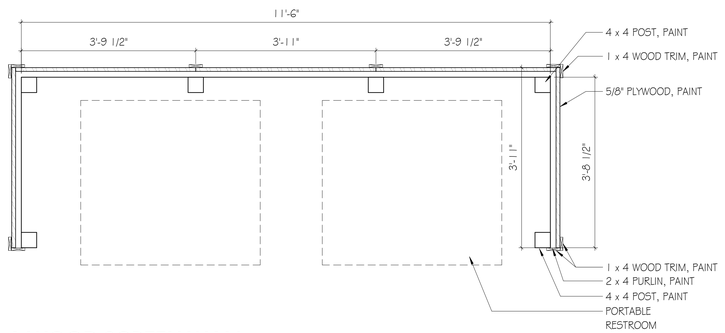
SECTION DETAILS

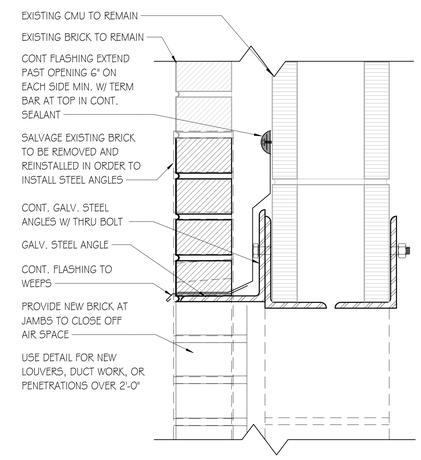
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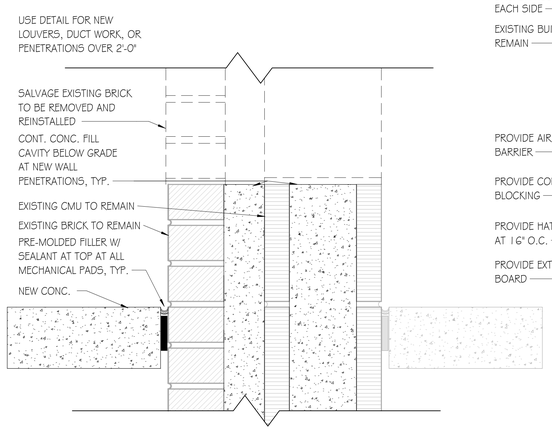


A1 WOOD SCREEN WALL
SCALE: 3/4" = 1'-0"

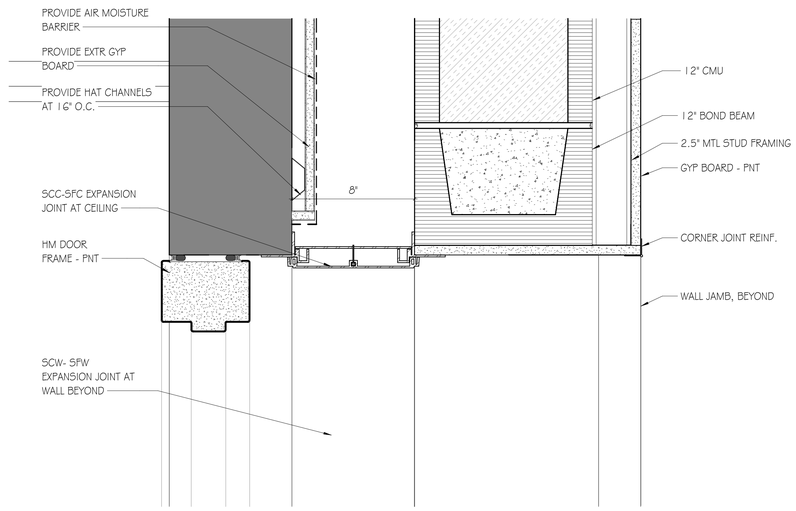




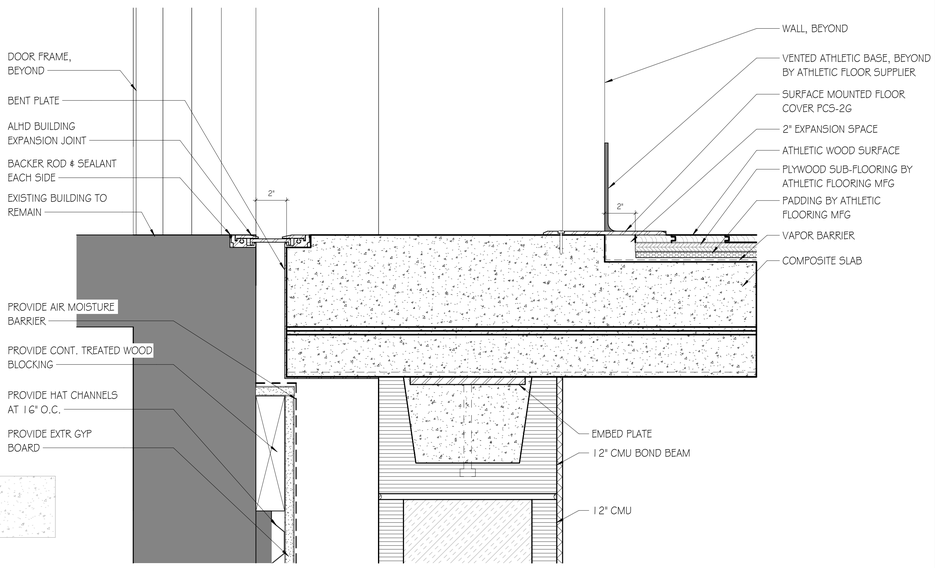
D5 EXIST EXTR WALL PENETRATION
SCALE: 3" = 1'-0"



A5 EXIST EXTR WALL PENETRATION BASE
SCALE: 3" = 1'-0"



E8 EXPANSION JOINT @ HEAD
SCALE: 3" = 1'-0"



A8 EXPANSION JOINT @ FLOOR
SCALE: 3" = 1'-0"

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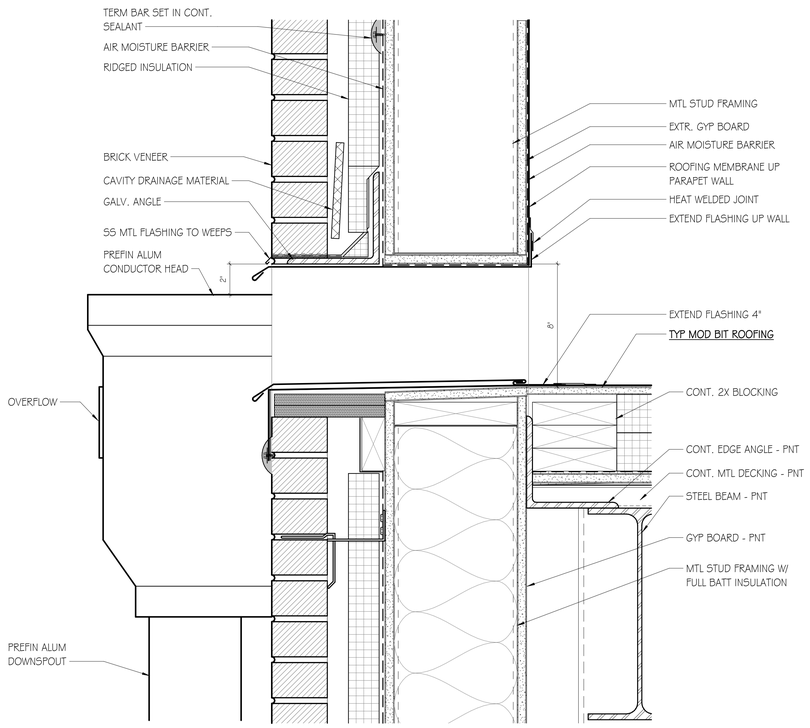
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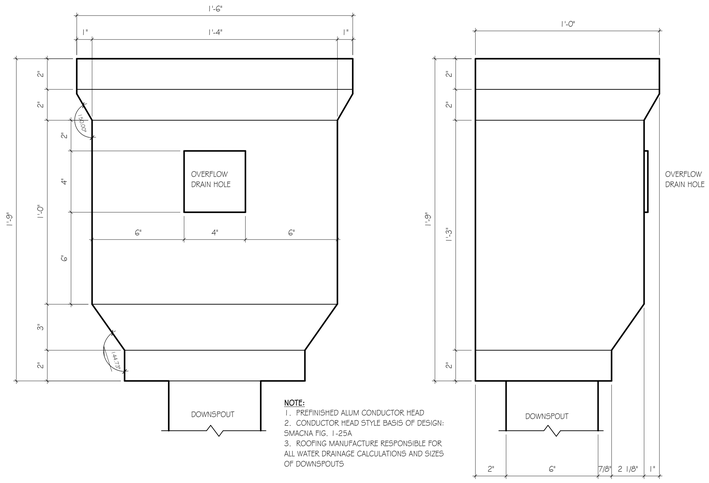
SECTION DETAILS

A5.22

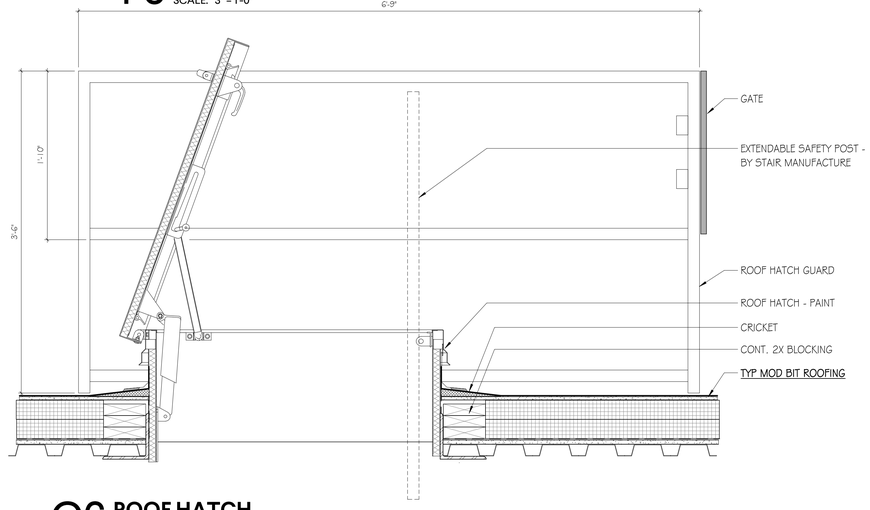
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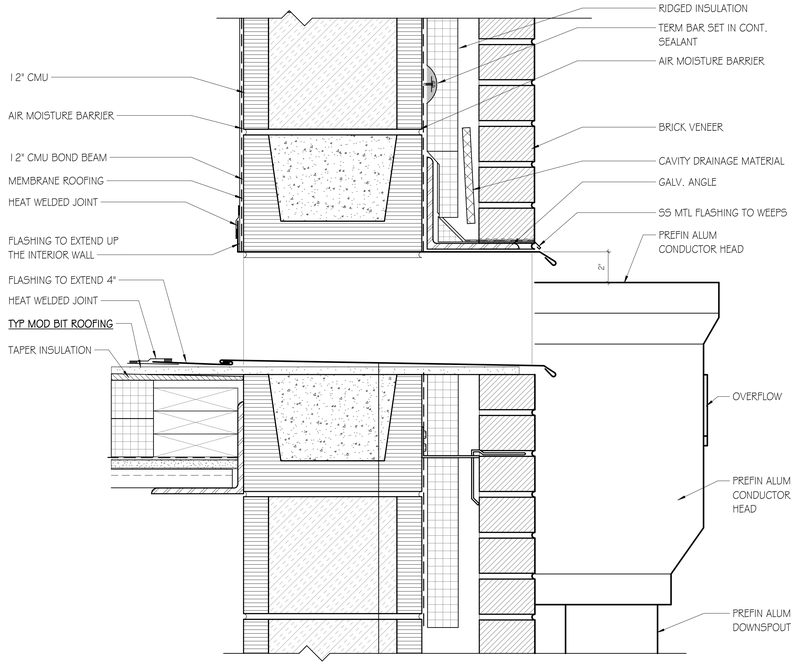
F1 SCUPPER DETAIL
SCALE: 3" = 1'-0"



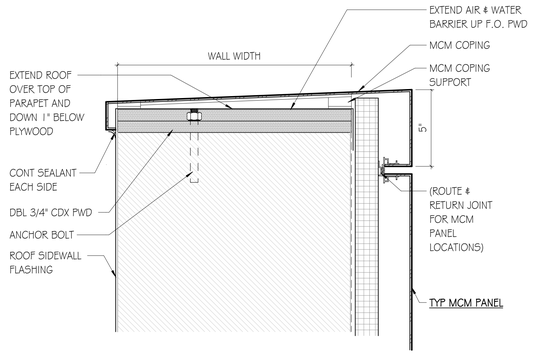
F6 CONDUCTOR HEAD DETAIL
SCALE: 3" = 1'-0"



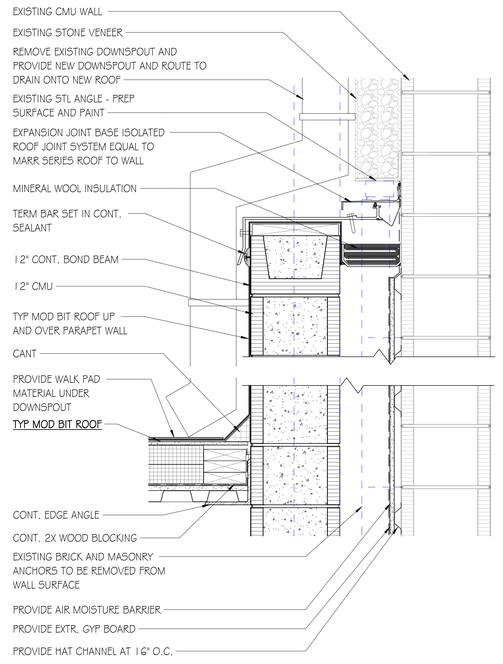
C6 ROOF HATCH
SCALE: 1 1/2" = 1'-0"



A1 SCUPPER DETAIL - MASONRY
SCALE: 3" = 1'-0"



A6 MCM COPING
SCALE: 3" = 1'-0"



A9 EJ @ ROOF
SCALE: 1 1/2" = 1'-0"

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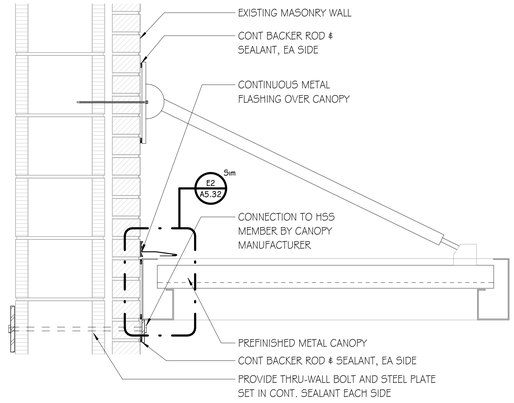
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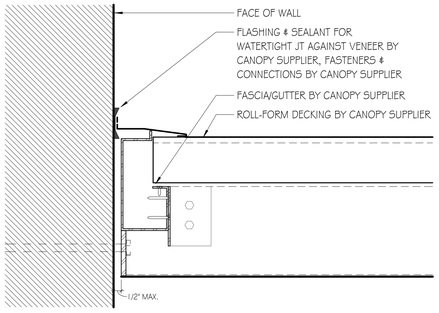
ROOF DETAILS

A5.31

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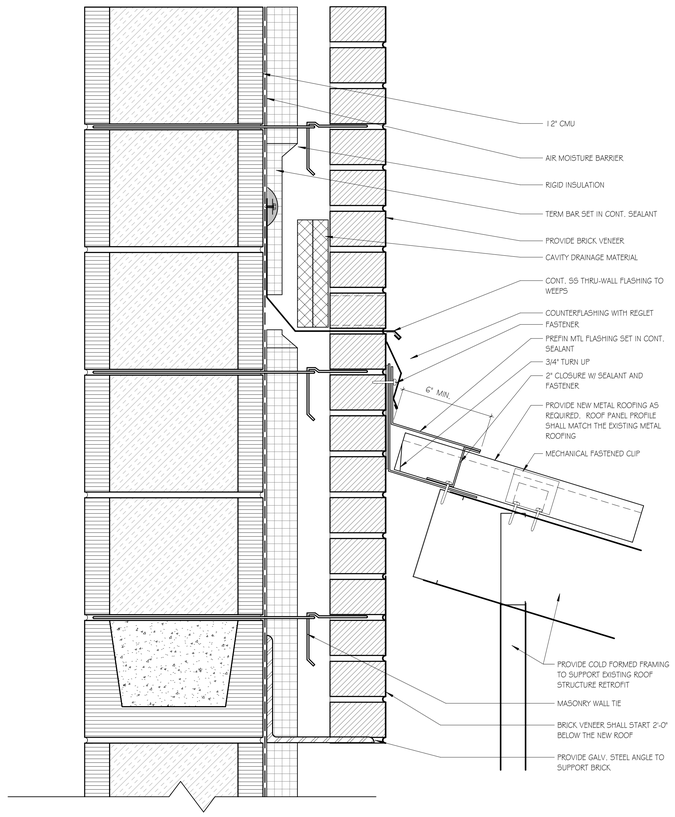


H2 BUILDING ALUMN. CANOPY
SCALE: 1 1/2" = 1'-0"

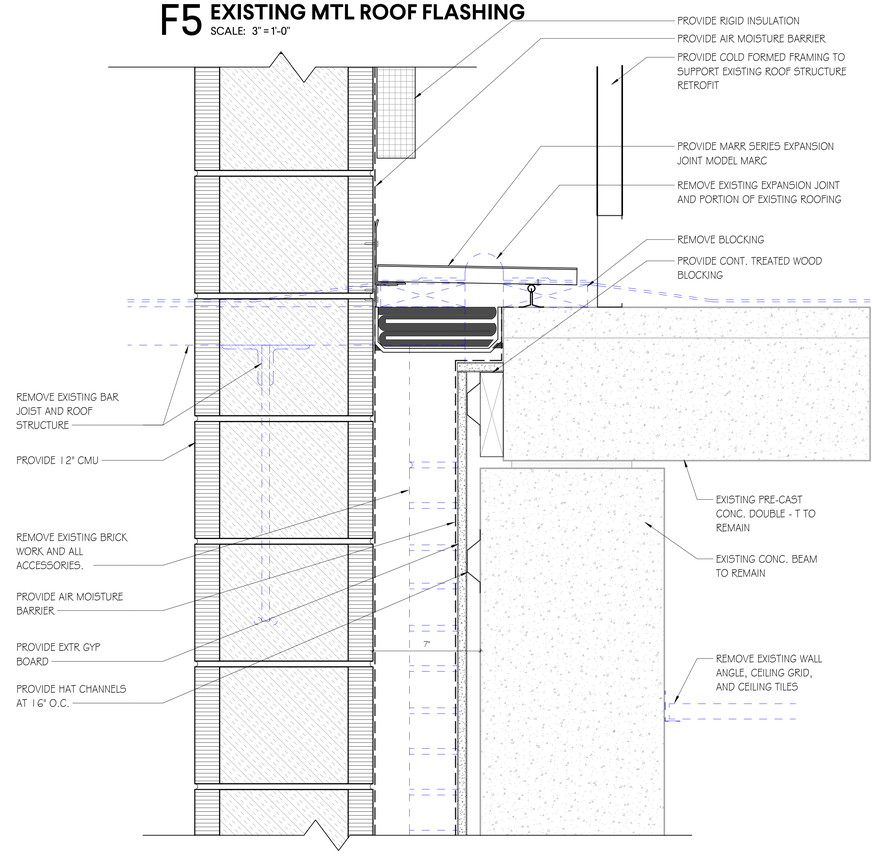


E2 BUILDING CANOPY FLASHING
SCALE: 3" = 1'-0"

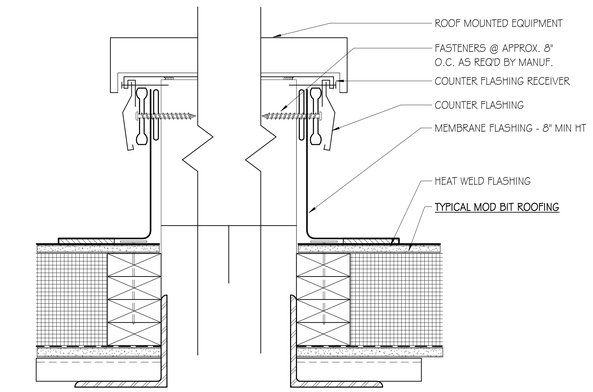
A1 EXISTING GYM SOFFIT DETAIL
SCALE: 1 1/2" = 1'-0"



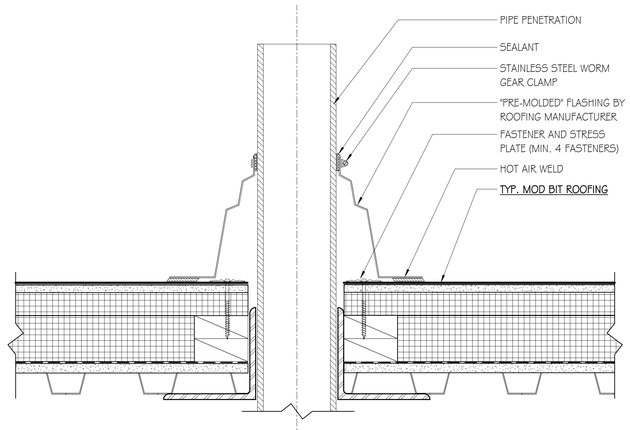
F5 EXISTING MTL ROOF FLASHING
SCALE: 3" = 1'-0"



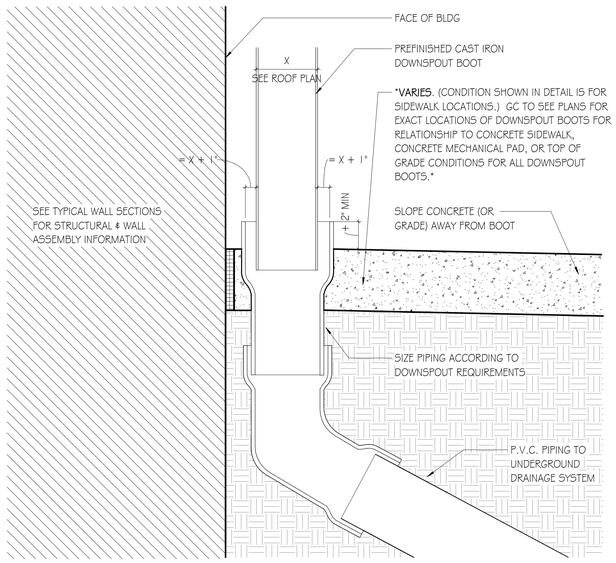
A5 LOWER EXISTING ROOF DETAIL
SCALE: 3" = 1'-0"



H9 TYP. MECHANICAL CURB DETAIL
SCALE: 3" = 1'-0"



E9 PIPE VENT DETAIL
SCALE: 3" = 1'-0"



A9 DOWNSPOUT SUBSURFACE DETAIL
SCALE: 3" = 1'-0"

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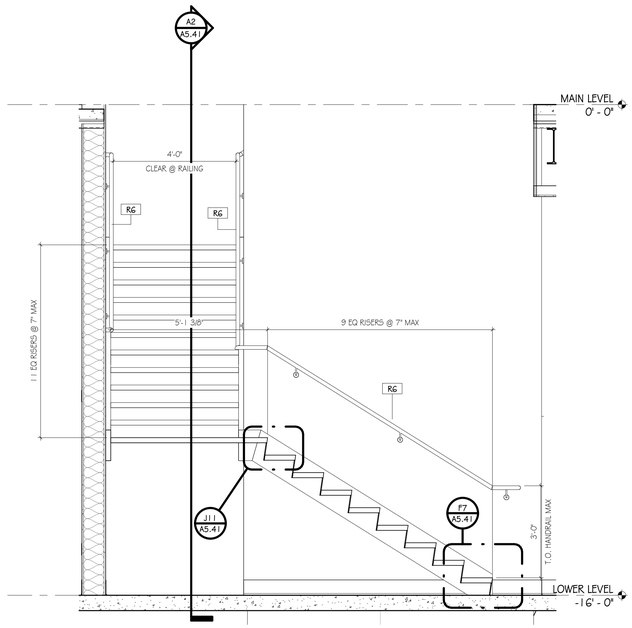
ACCS 2025 130 ESCC
GMC ABHM250051

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PATRICK SWATEK
8969
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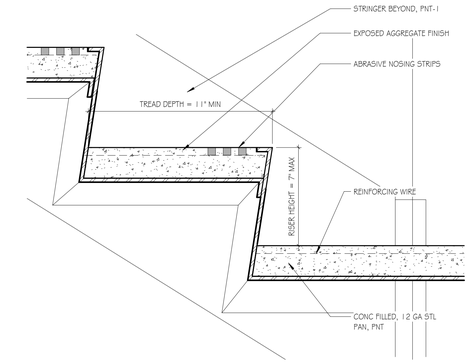
ROOF DETAILS

A5.32

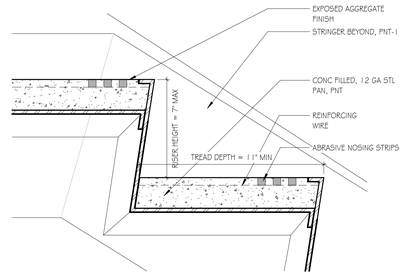
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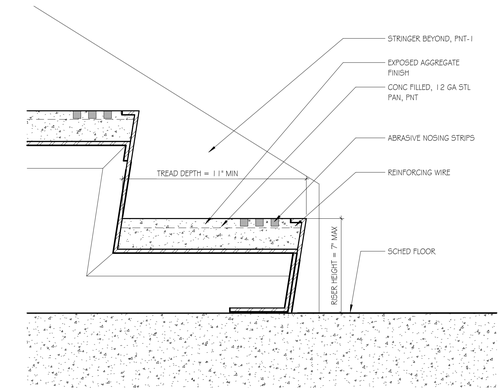
G2 STAIR SECTION 1
SCALE: 1/2" = 1'-0"



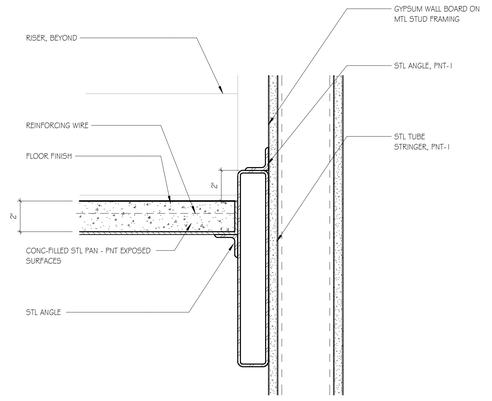
J7 STAIR DETAIL - LANDING
SCALE: 3" = 1'-0"



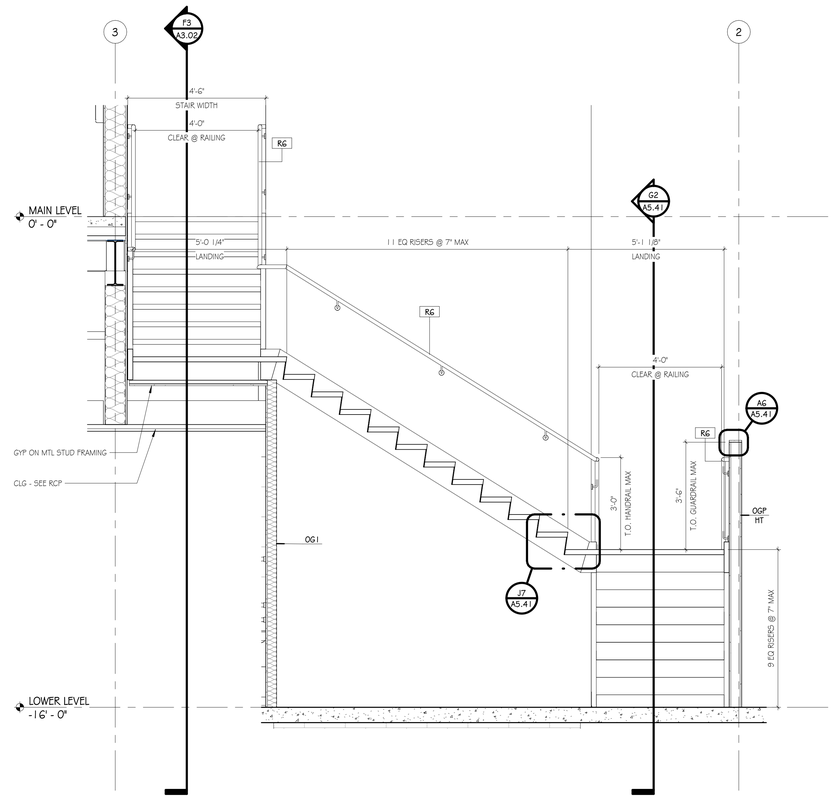
J11 STAIR DETAIL - UPPER LANDING
SCALE: 3" = 1'-0"



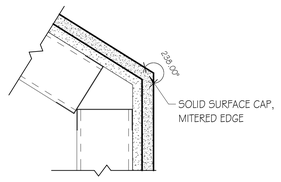
F7 STAIR DETAIL - GROUND
SCALE: 3" = 1'-0"

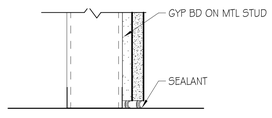


F11 STRINGER @ WALL
SCALE: 3" = 1'-0"

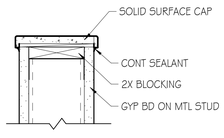


A2 STAIR SECTION 2
SCALE: 1/2" = 1'-0"

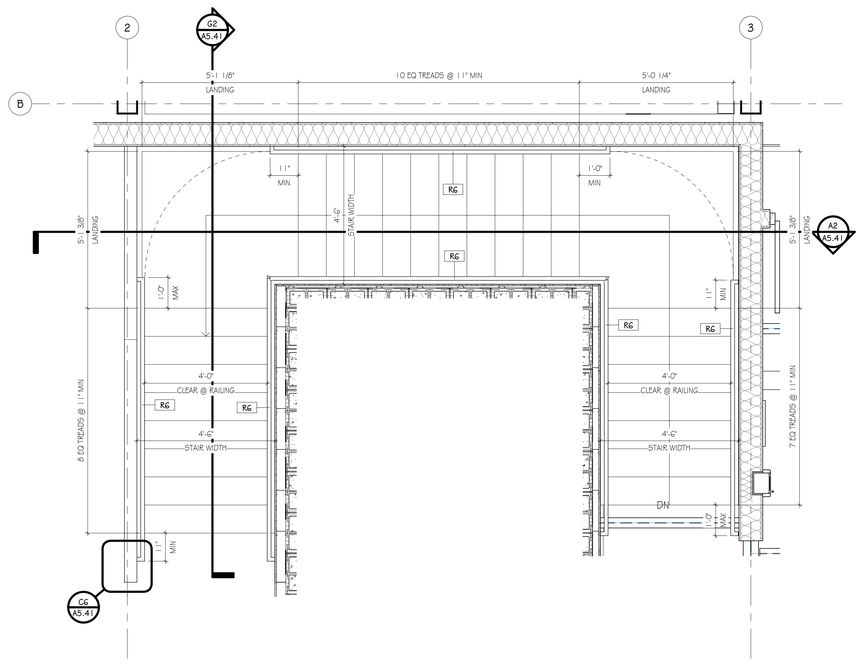




C6 SOLID SUFACE CAP AT FLOOR
SCALE: 3" = 1'-0"



A6 SOLID SURFACE CAP
SCALE: 3" = 1'-0"



A8 STAIR PLAN
SCALE: 1/2" = 1'-0"

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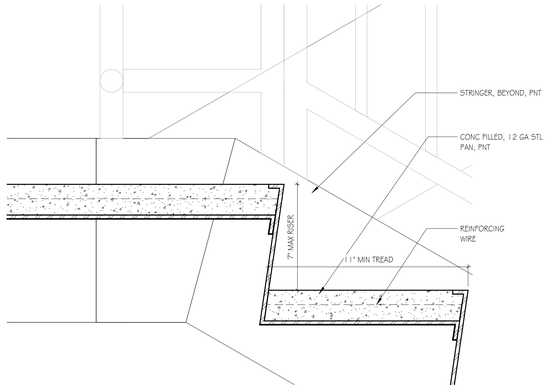
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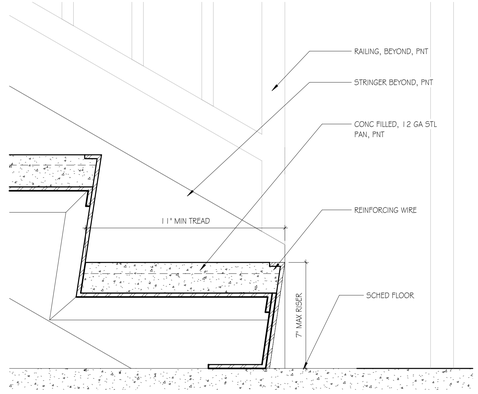
VERTICAL CIRCULATION - LOBBY STAIR

A5.41

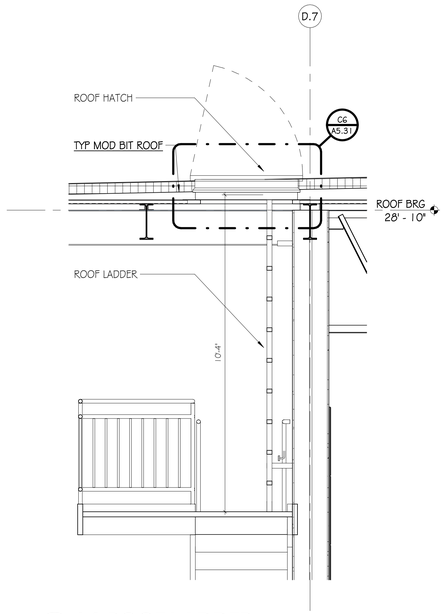
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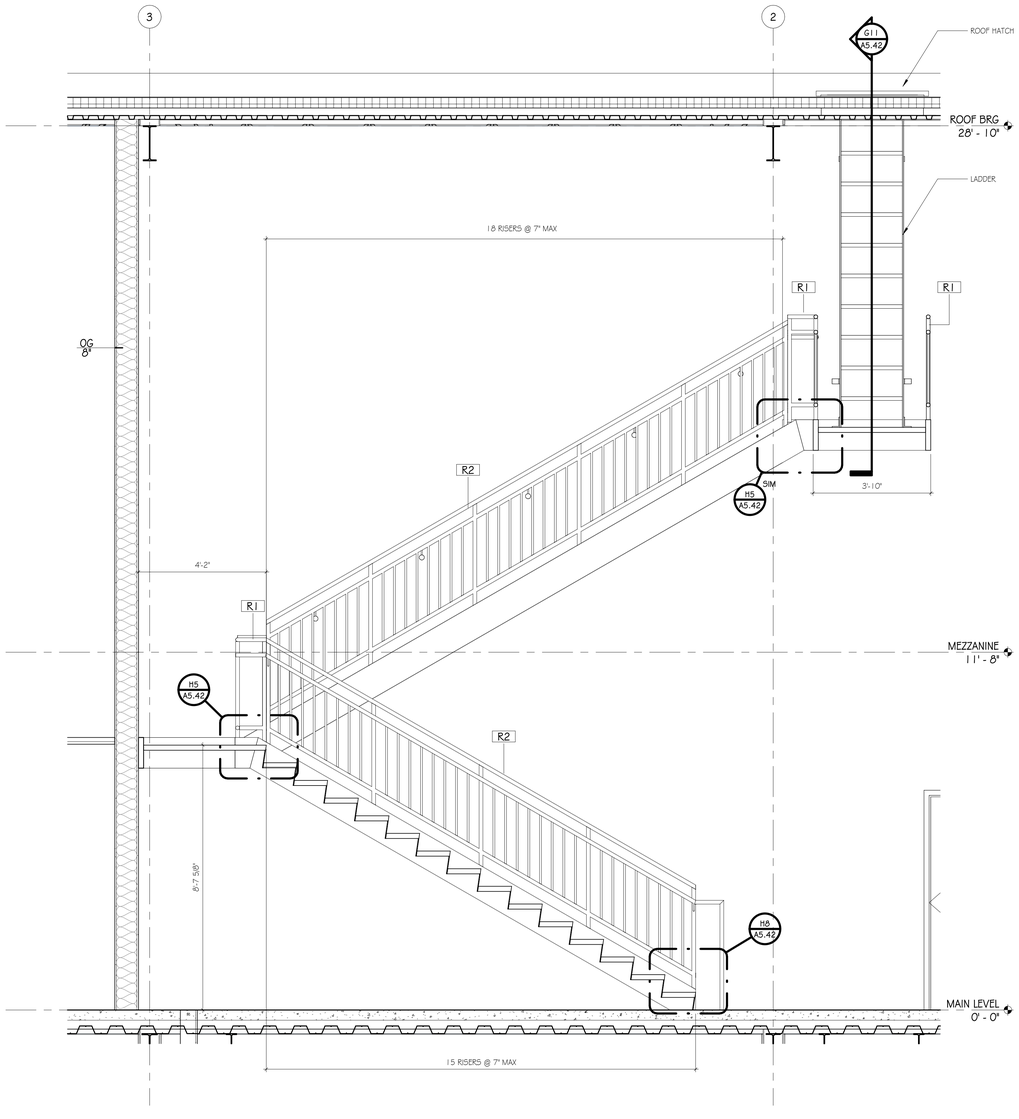
H5 STAIR DETAIL - LANDING
SCALE: 3" = 1'-0"



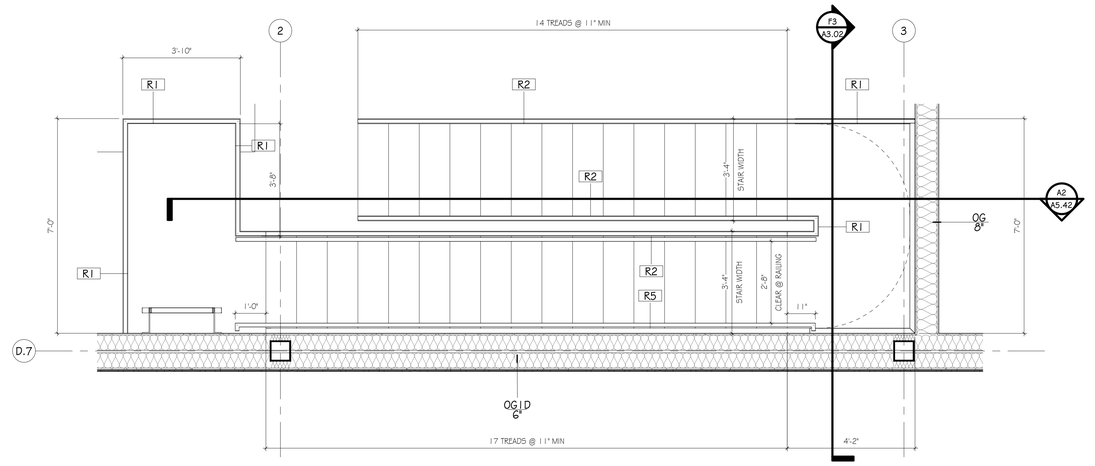
H8 STAIR DETAIL - GROUND
SCALE: 3" = 1'-0"



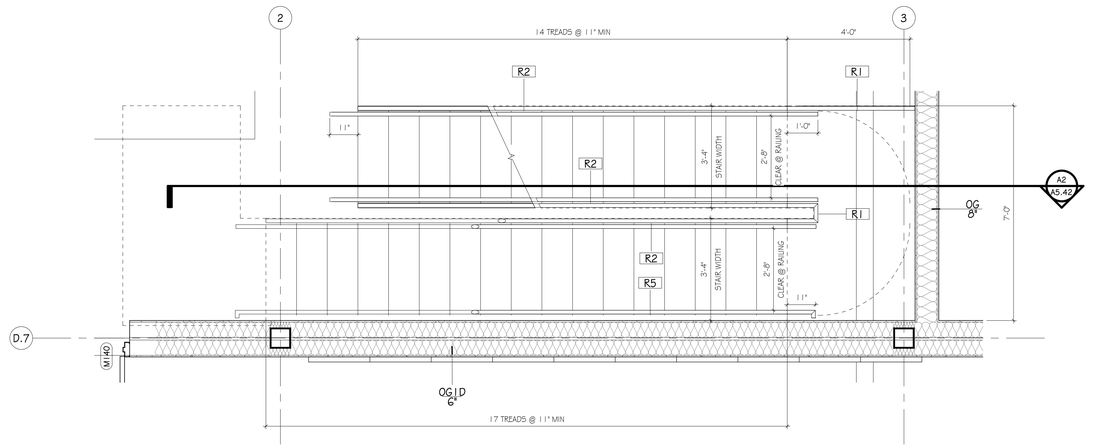
G11 ROOF LADDER
SCALE: 1/2" = 1'-0"



A2 ROOF ACCESS STAIR SECTIOJN
SCALE: 1/2" = 1'-0"



D8 ROOF ACCESS STAIRS - LANDING
SCALE: 1/2" = 1'-0"



A8 ROOF ACCESS STAIRS
SCALE: 1/2" = 1'-0"

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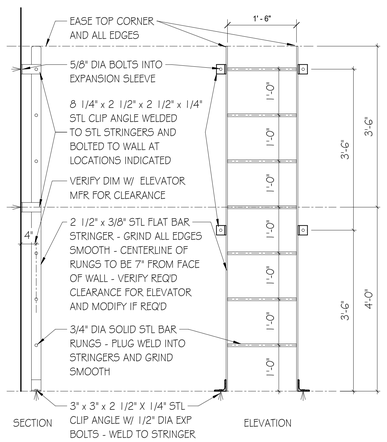
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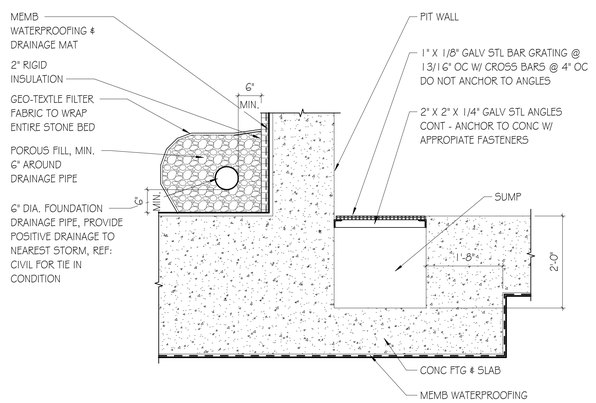
VERTICAL CIRCULATION - ROOF STAIR

A5.42

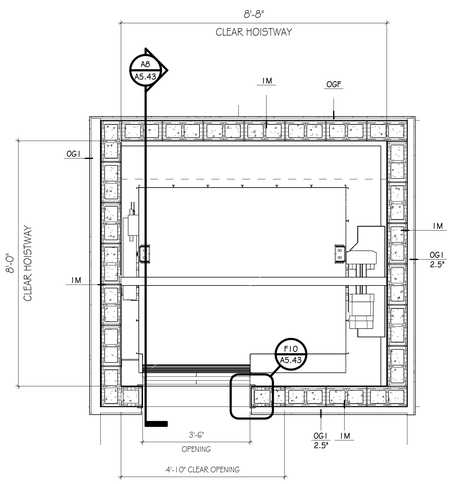
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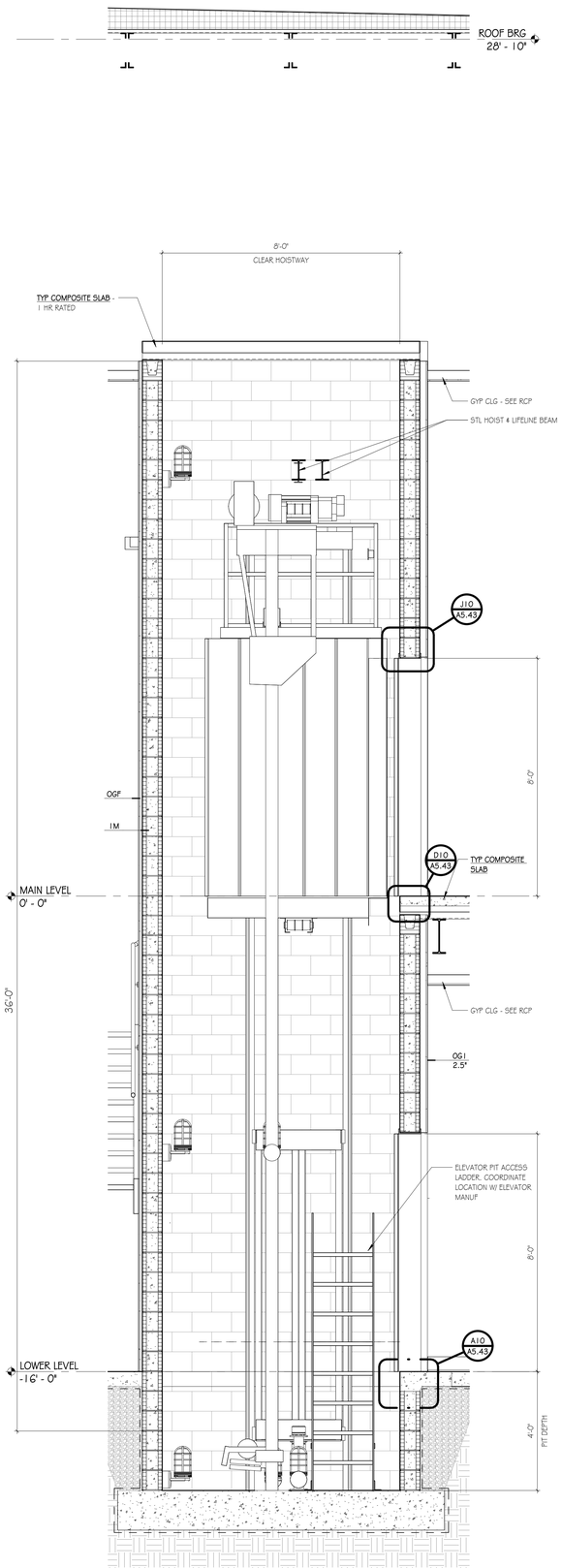
E5 ELEV. PIT LADDER
SCALE: 3/4" = 1'-0"



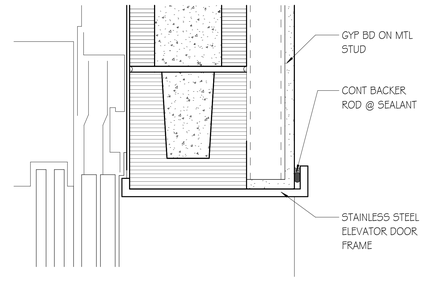
A1 SUMP DETAIL
SCALE: 3/4" = 1'-0"



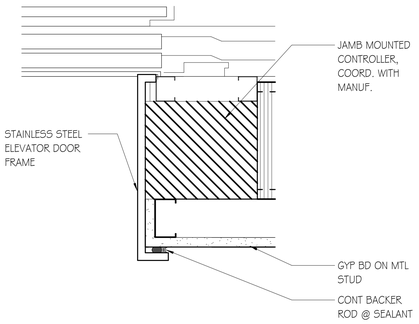
A5 ELEVATOR PLAN
SCALE: 1/2" = 1'-0"



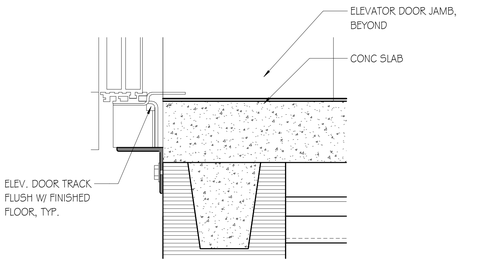
A8 ELEVATOR SECTION
SCALE: 1/2" = 1'-0"



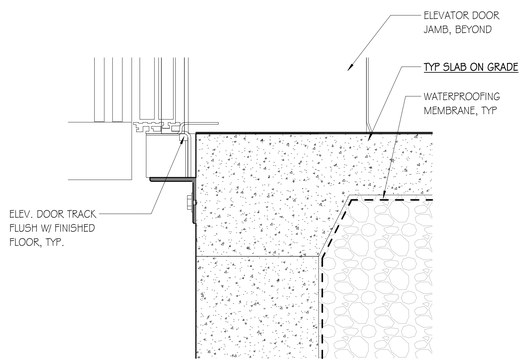
J10 ELEVATOR DOOR HEAD
SCALE: 3" = 1'-0"



F10 ELEVATOR DOOR JAMB
SCALE: 3" = 1'-0"



D10 ELEVATOR SILL - ELEVATED
SCALE: 3" = 1'-0"



A10 ELEVATOR SILL - SLAB
SCALE: 3" = 1'-0"

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VERTICAL CIRCULATION - ELEVATOR

A5.43

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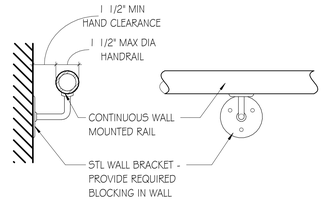
RAILING SCHEDULE							
RAIL TYPE	DESCRIPTION	LOCATION	MOUNT	PARTS	MATERIAL	FINISH	COMMENTS
R1	BALUSTER GUARDRAIL	M140	SMW	GR	STL	PNT	STEEL RAILING TO RECEIVE FULL FILLET WELDS, GROUND SMOOTH
R1	BALUSTER GUARDRAIL	MECHANICAL SCREEN YARD	FMC	GR	STL	PNT	STEEL RAILING TO RECEIVE FULL FILLET WELDS, GROUND SMOOT
R2	BALUSTER GUARDRAIL WITH HANDRAIL	M140	SMW	GR/HR-1	STL	PNT	STEEL RAILING TO RECEIVE FULL FILLET WELDS, GROUND SMOOTH, RETURN HANDRAIL TO WALL/FLOOR, TYP
R2	BALUSTER GUARDRAIL WITH HANDRAIL	MECHANICAL SCREEN YARD	FMC	GR/HR-1	STL	PNT	STEEL RAILING TO RECEIVE FULL FILLET WELDS, GROUND SMOOTH, RETURN HANDRAIL TO WALL/FLOOR, TYP
R3	CABLE GUARDRAIL	LB101	FMC	GR/CBL	SST	PF	STAINLESS STEEL RAILING TO RECEIVE FULL FILLET WELDS, GROUND SMOOTH
R5	HANDRAIL, WALL MOUNTED	M140	WM	HR-1	STL	PNT	STEEL RAILING TO RECEIVE FULL FILLET WELDS, GROUND SMOOTH, RETURN HANDRAIL TO WALL, TYP
R6	HANDRAIL, WALL MOUNTED	LB101	WM	HR-1	SST	PF	STAINLESS STEEL RAILING TO RECEIVE FULL FILLET WELDS, GROUND SMOOTH, RETURN HANDRAIL TO WALL, TYP

RAILING GENERAL NOTES

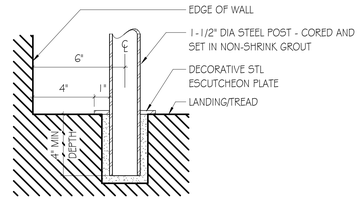
R.01. **CODE COMPLIANCE:** SEE GENERAL NOTES DIVISION 1 GENERAL REQUIREMENTS ITEM 1.09 FOR CODE COMPLIANCE.
R.02. **MULTI-TRADE COORDINATION:** SEE GENERAL NOTES DIVISION 1 GENERAL REQUIREMENTS ITEM 1.02 FOR MULTI-TRADE COORDINATION.
R.03. **HANDRAIL DIMENSIONS:** DIMENSIONS FOR HAND RAILINGS AS INDICATED 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 RAMPS AS INDICATED IN CONTRACT DOCUMENTS BUT SHALL NOT BE LESS THAN 36 INCHES. HEIGHT OF HANDRAILS ABOVE STAIR TREAD NOSING OR FINISH SURFACES OF RAMPS 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 RAMPS 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 RAMPS. 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 ABBREVIATIONS

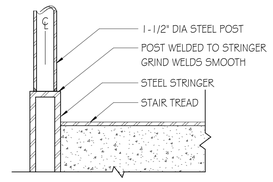
WM - WALL MOUNTED
FMW - FLOOR MOUNTED/WELDED TO EMBED
FMC - FLOOR (TREAD/LANDING) MOUNTED/CORED
PF - PREFINISHED
PNT - PAINTED FINISH
SST - STAINLESS STEEL
STL - STEEL
G - GLASS RAILING INFILL
HR-1 - HANDRAIL
HR-2 - DOUBLE SIDED HANDRAIL
GR - GUARDRAIL
SMW - STRINGER MOUNTED/WELDED
ALUM - ALUMINUM
CBL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



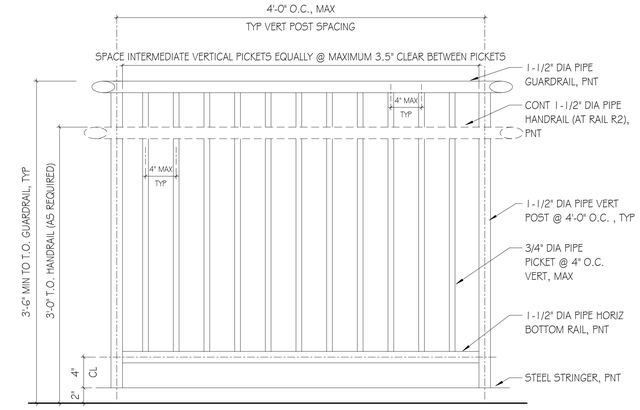
TYPICAL WALL MOUNTING



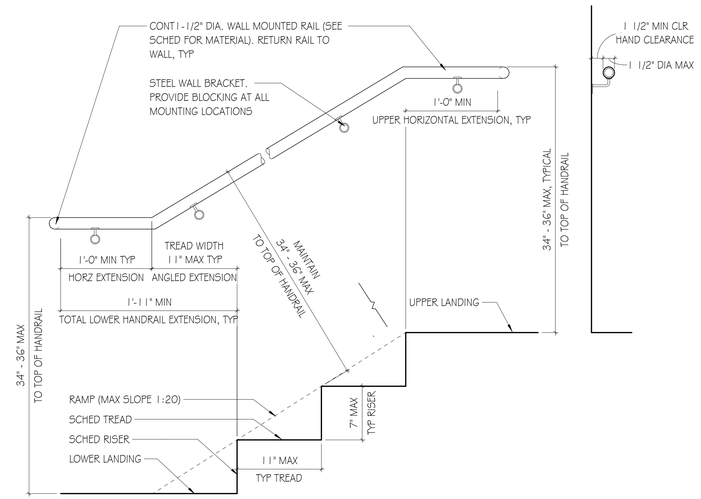
TYPICAL CORED LANDING/TREAD MOUNTING



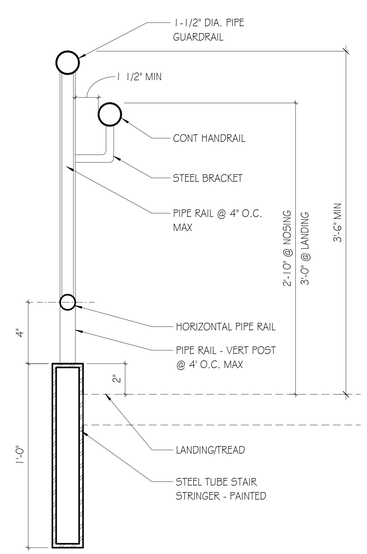
TYPICAL INSIDE STRINGER MOUNTING



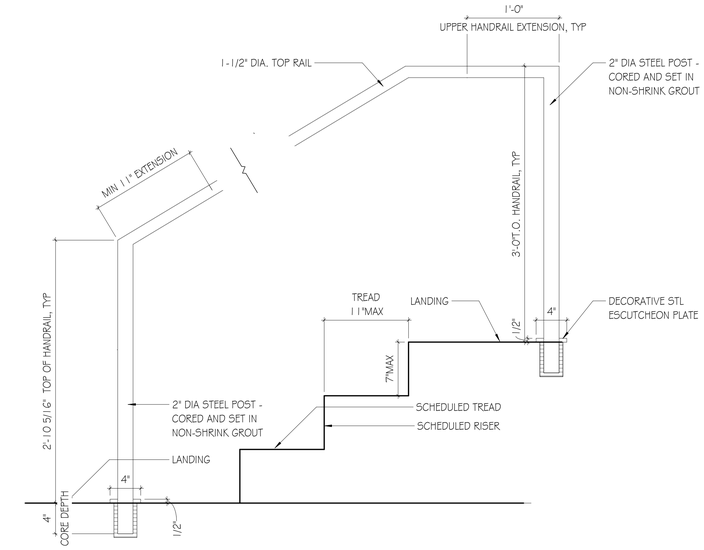
H9 TYPICAL GUARDRAIL ELEVATION
SCALE: 1 1/2" = 1'-0"



E9 TYPICAL WALL MOUNTED HANDRAIL - HORIZONTAL EXTENSION
SCALE: 1 1/2" = 1'-0"



A7 TYPICAL STRINGER MOUNT
SCALE: 3" = 1'-0"



A9 TYPICAL FLOOR MOUNTED HANDRAIL
SCALE: 1 1/2" = 1'-0"

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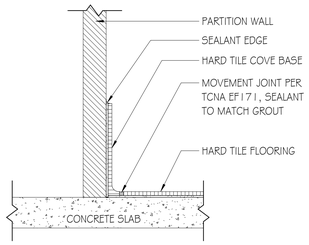
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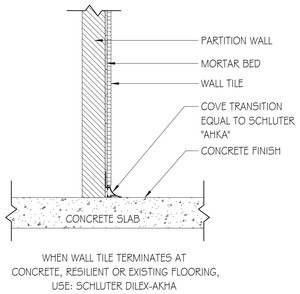
RAILING SCHEDULE & DETAILS

A5.51

11/4/2026 3:54:51 PM TEMPLATE VERSION: 2025.1

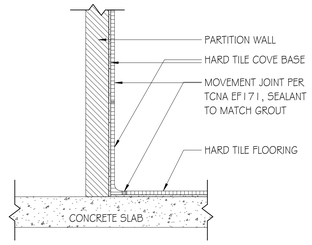


H1 09- COVE BASE - HARD TILE
SCALE: 3" = 1'-0"

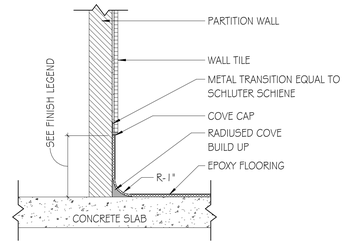


WHEN WALL TILE TERMINATES AT CONCRETE, RESILIENT OR EXISTING FLOORING, USE: SCHLUTER DILEX-AKHA

H3 09- METAL COVE - HTW TO RESILIENT/EXISTING
SCALE: 3" = 1'-0"

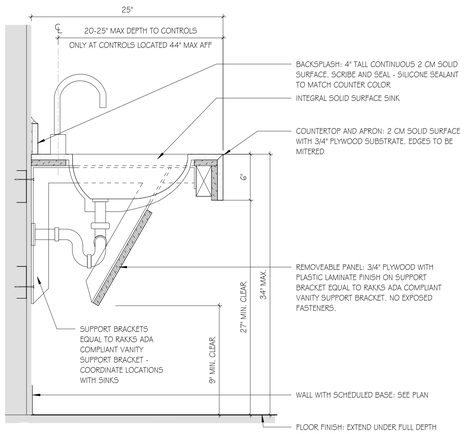


H6 09- COVE BASE - HTW TO HTF
SCALE: 3" = 1'-0"

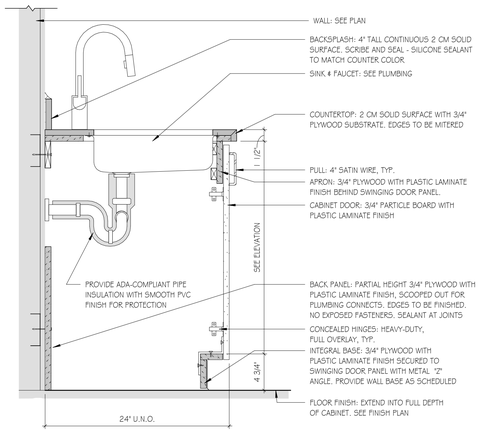


NOTE: USE DRY MIX TROWABLE VERSION OF FLOORING SYSTEM TO BUILD COVE BASE

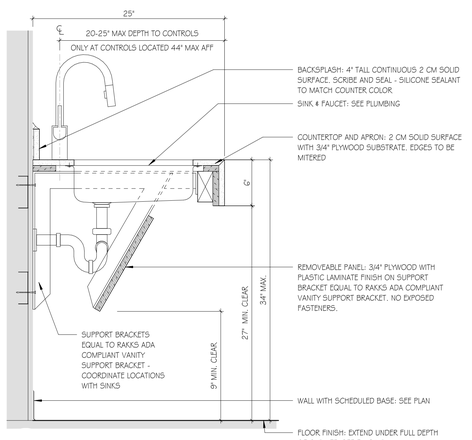
H8 09- COVE BASE - EPOXY TO WALL TILE
SCALE: 3" = 1'-0"



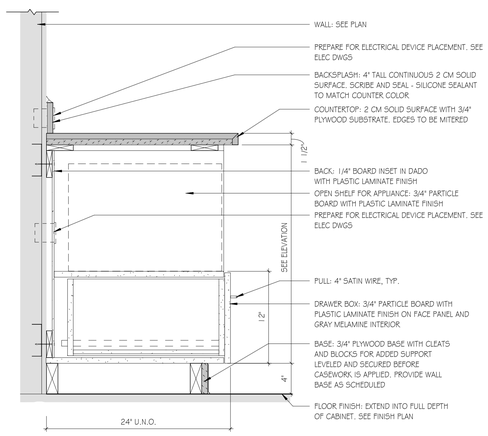
F1 06 - ADA SINKBASE - TYPE SS-I-SS-C-25_NEW
SCALE: 11/2" = 1'-0"



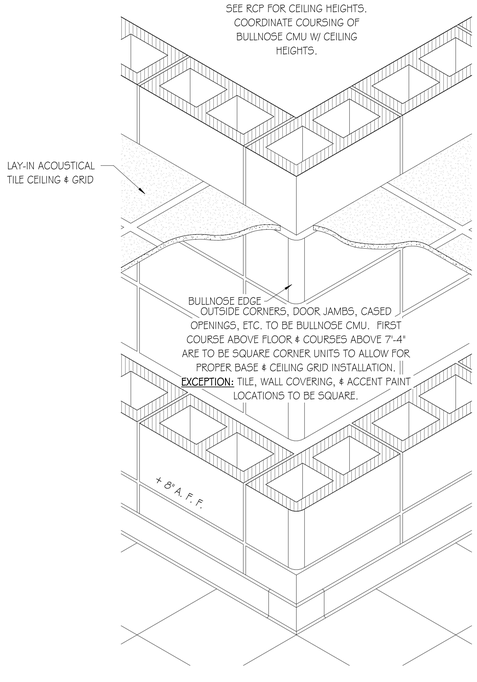
F4 06 - SINKBASE CAB W/ INTEGRAL BASE
SCALE: 11/2" = 1'-0"



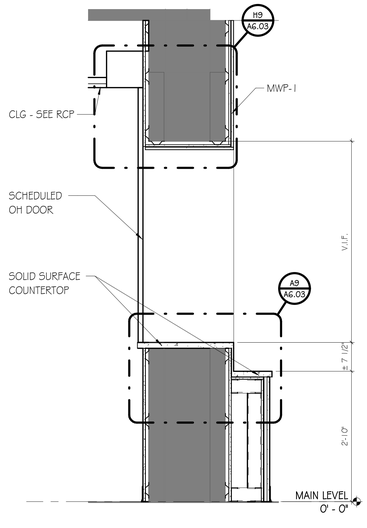
F7 06 - ADA SINKBASE - TYPE SST-U-SSQ-C-25
SCALE: 11/2" = 1'-0"



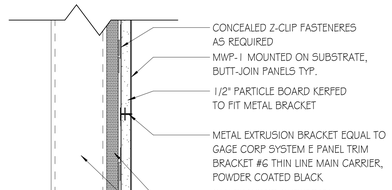
F9 MICROWAVE BASE CABINET
SCALE: 11/2" = 1'-0"



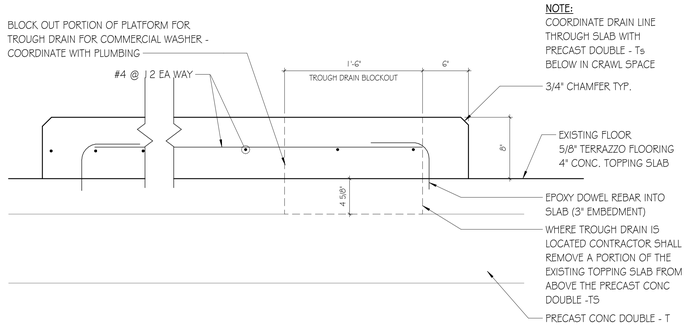
A1 BULLNOSE AXON TYP
SCALE: 1/8" = 1'-0"



A4 CONCESSION WALL SECTION
SCALE: 3/4" = 1'-0"

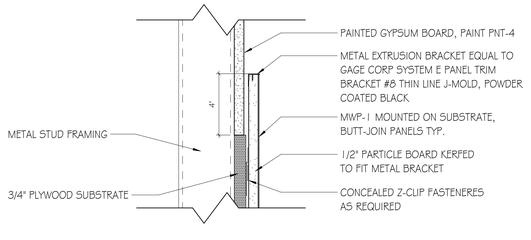


D7 MWP BRACKET DETAIL
SCALE: 3" = 1'-0"



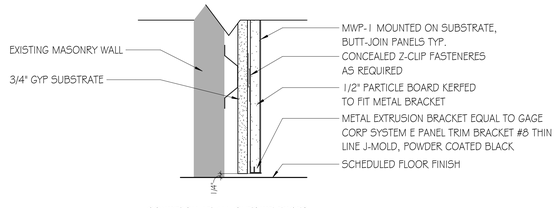
NOTE:
COORDINATE DRAIN LINE THROUGH SLAB WITH PRECAST DOUBLE - Ts BELOW IN CRAWL SPACE

C9 COMMERCIAL WASHER & DRYER EQUIPMENT PAD
SCALE: 11/2" = 1'-0"



CONDITION AT ALL OUTSIDE EDGES

A7 MWP EDGE BRACKET DETAIL
SCALE: 3" = 1'-0"



CONDITION AT ALL OUTSIDE EDGES

A9 MWP EDGE BRACKET DETAIL - BASE
SCALE: 3" = 1'-0"

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

ISSUE DATE
ISSUED FOR BID 2026.11.06

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

STATE OF ALABAMA
PATRICK SWATEK
8969
REGISTERED ARCHITECT

INTERIOR DETAILS

A5.71

TEMPLATE VERSION: 2025.1
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DOOR SCHEDULE

LOCATION		SIZE			DOOR			FRAME			HARDWARE				DETAILS				
												ELEC. COORD.							
DOOR NUMBER	ROOM NAME	WIDTH	HT	THK	DOOR TYPE	MAT'L	GLASS OR LOUVER TYPE	FRAME TYPE	MAT'L	GLASS TYPE	HARDWARE SET NO.	HOLD OPEN	FIRE ALARM INTERFACE	ACCESS CONTROL	HEAD	JAMB	SILL	FIRE RATING	NUMBERED NOTES
104A	WEIGHT TRAINING	6' - 0"	8' - 0"	13/4"	FG2	AL/GL	G1	SF/CW	AL						H8/A6.13	H8/A6.13			04
104B	WEIGHT TRAINING	3' - 2"	8' - 0"	13/4"	FG	AL/GL	G1	SF/CW	AL						H8/A6.13	H8/A6.13	A8/A6.02		04
104C	WEIGHT TRAINING	3' - 2"	8' - 0"	13/4"	FG	AL/GL	G1	SF/CW	AL						H8/A6.13	H8/A6.13	A8/A6.02		04
105	TICKET/CONCESSION	10' - 8"	5' - 6 1/2"	5/8"	RC										H9/A6.03	E9/A6.03	A9/A6.03		
106	CORRIDOR	4' - 0"	7' - 0"	0"				F5	HM						H7/A6.03	E7/A6.03			
109	CORRIDOR	3' - 0"	7' - 0"	13/4"	HG	WD	G1	F1	HM						H6/A6.02	H8/A6.02			
111	FILM ROOM	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
114A	VESTIBULE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F13	HM						D8/A6.02	D6/A6.02			
114B	PRIVATE CORRIDOR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
116	WOMENS VOLLEYBALL LOCKER	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
118	WOMENS FLAG FOOTBALL LOCKER	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
120	WOMENS BASKETBALL LOCKER	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
126	MENS VISITING LOCKER	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
128	WOMENS VISITING LOCKER	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
130	MENS BASKETBALL LOCKER	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
132	MENS SOCCER LOCKER	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
140A	GYMNASIUM	6' - 0"	8' - 0"	13/4"	FG2	AL/GL	G1	SF/CW	AL						H8/A6.13	H8/A6.13			04
140B	GYMNASIUM	6' - 0"	8' - 0"	13/4"	FG2	AL/GL	G1	SF/CW	AL						H8/A6.13	H8/A6.13			04
140C	CORRIDOR	3' - 0"	7' - 0"	13/4"	N	WD	G1	F13	HM						E8/A5.22	E8/A5.22	A8/A5.22		
E01	GYMNASIUM	2' - 11"	6' - 10"	13/4"	F	WD		F13	HM						H2/A6.02	D2/A6.02			03
E02	GYMNASIUM	2' - 11"	6' - 10"	13/4"	F	WD		F13	HM						H2/A6.02	D2/A6.02			03
E03	GYMNASIUM	2' - 11"	6' - 10"	13/4"	F	WD		F13	HM						H2/A6.02	D2/A6.02			03
E04	GYMNASIUM	2' - 11"	6' - 10"	13/4"	F	WD		F13	HM						H2/A6.02	D2/A6.02			03
E05	GYMNASIUM	2' - 11"	6' - 10"	13/4"	F	WD		F13	HM						H2/A6.02	D2/A6.02			03
E06	GYMNASIUM	2' - 11"	6' - 10"	13/4"	F	WD		F13	HM						H2/A6.02	D2/A6.02			03
E07	GYMNASIUM	2' - 11"	6' - 10"	13/4"	F	WD		F13	HM						H2/A6.02	D2/A6.02			03
E08	GYMNASIUM	2' - 11"	6' - 10"	13/4"	N	WD		F13	HM						H2/A6.02	D2/A6.02			03
E09	LOBBY	2' - 10"	6' - 9"	13/4"	FG	AL/GL	G1	SF/CW	AL					CR					01, 02, 07
E10	LOBBY	2' - 10"	6' - 9"	13/4"	FG	AL/GL	G1	SF/CW	AL										07
E11	LOBBY	2' - 10"	6' - 9"	13/4"	FG	AL/GL	G1	SF/CW	AL										07
E12	LOBBY	2' - 10"	6' - 9"	13/4"	FG	AL/GL	G1	SF/CW	AL										07
E13	LOBBY	3' - 1"	6' - 9"	13/4"	FG	AL/GL	G1	SF/CW	AL										07
E14	LOBBY	3' - 2"	6' - 9"	13/4"	FG	AL/GL	G1	SF/CW	AL										07
E15	LOBBY	3' - 2"	6' - 9"	13/4"	FG	AL/GL	G1	SF/CW	AL										07
E16	LOBBY	3' - 2"	6' - 9"	13/4"	FG	AL/GL	G1	SF/CW	AL					CR					01, 02, 07
E17	LOBBY	3' - 2"	6' - 9"	13/4"	FG	AL/GL	G1	SF/CW	AL										07
E18	LOBBY	3' - 1"	6' - 9"	13/4"	FG	AL/GL	G1	SF/CW	AL										07
E20	GYMNASIUM	6' - 0"	7' - 0"	13/4"	F	HM		F13	HM								A10/A6.02		03
E21	GYMNASIUM	6' - 0"	7' - 0"	13/4"	F	HM		F13	HM								A10/A6.02		03
E30	CORRIDOR	3' - 0"	7' - 0"	13/4"	F	HM		F13	HM								A10/A6.02		03
E32	GYMNASIUM	3' - 0"	7' - 0"	13/4"	F	WD		F13	HM										03
E33	CORRIDOR	3' - 0"	7' - 0"	13/4"	F	WD		F13	HM										03
E40	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD		F13	HM						H2/A6.02	D2/A6.02			03

LOCATION		SIZE			DOOR			FRAME			HARDWARE				DETAILS				
												ELEC. COORD.							
DOOR NUMBER	ROOM NAME	WIDTH	HT	THK	DOOR TYPE	MAT'L	GLASS OR LOUVER TYPE	FRAME TYPE	MAT'L	GLASS TYPE	HARDWARE SET NO.	HOLD OPEN	FIRE ALARM INTERFACE	ACCESS CONTROL	HEAD	JAMB	SILL	FIRE RATING	NUMBERED NOTES
E43	DATA	3' - 0"	7' - 0"	13/4"	F	WD		F13	HM										03
E49	MENS RESTROOM	3' - 0"	7' - 0"	13/4"	F	WD		F13	HM						H2/A6.02	D2/A6.02			03
E50	VESTIBULE	3' - 0"	7' - 0"	13/4"	F	WD		F13	HM						H2/A6.02	D2/A6.02			03
E53	LAUNDRY FACILITY	3' - 0"	7' - 0"	13/4"	F	WD		F13	HM										03
E56	TRAINING ROOM	3' - 0"	7' - 0"	13/4"	F	HM		F13	HM										06
E91	CORRIDOR	6' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H2/A6.02	D2/A6.02			03
E93	ELECTRICAL	3' - 0"	7' - 0"	13/4"	F	WD		F13	HM						H2/A6.02	D2/A6.02			03, 06
E95	LOBBY	3' - 0"	7' - 0"	13/4"	F	HM		F13	HM						H2/A6.02	D2/A6.02			03
E99	LOBBY	6' - 0"	7' - 0"	13/4"	N	WD	G1	F13	HM						H2/A6.02	D2/A6.02			03
E100	GYMNASIUM	3' - 0"	7' - 0"	13/4"	N	WD	G1	F13	HM										03
E101	GYMNASIUM	3' - 0"	7' - 0"	13/4"	F	WD		F13	HM										03
E113	STORAGE	6' - 0"	7' - 0"	13/4"	F	WD		F13	HM										03
E132	HOSPITALITY	3' - 0"	7' - 0"	13/4"	N3	HM	G1	F13	HM										
E133	MECHANICAL	3' - 0"	7' - 0"	13/4"	FL	HM	L1	F1	HM										
LB101	LOBBY	6' - 0"	8' - 0"	13/4"	FG2	AL/GL	G1	SF/CW	AL					CR	H5/A6.13	H5/A6.13	A8/A6.02		01, 02, 04
M106		6' - 0"	7' - 0"	13/4"	F	HM		F13	HM						A2/A6.02	A6/A6.02	A10/A6.02		
M107	MECHANICAL	6' - 0"	7' - 0"	13/4"	FL	HM	L1	F1	HM						H2/A6.02	D2/A6.02			03
M108	MECHANICAL	6' - 0"	7' - 0"	13/4"	FL	HM	L1	F1	HM						A2/A6.02	A6/A6.02	A10/A6.02		
M113	MECHANICAL	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
M140	MECHANICAL	8' - 0"	7' - 0"	13/4"	F	WD		F1	HM						A3/A6.03	A3/A6.03			
MZ100	SOCIAL ZONE	6' - 0"	7' - 2"	13/4"	FG2	AL/GL	G1	SF/CW	AL						A7/A6.03	H5/A6.13			
MZ102	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD		F10	HM	G1					H6/A6.02	H8/A6.02			
MZ104	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD		F10	HM	G1					H6/A6.02	H8/A6.02			
MZ105	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD		F10	HM	G1					H6/A6.02	H8/A6.02			
MZ106	CONFERENCE	3' - 0"	7' - 0"	13/4"	N3	WD	G1	F1	HM						H6/A6.02	H8/A6.02			
MZ107	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD		F10	HM	G1					H6/A6.02	H8/A6.02			
MZ108	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD		F10	HM	G1					H6/A6.02	H8/A6.02			
MZ110	RESTROOM	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
MZ111	AD OFFICE	3' - 0"	7' - 0"	13/4"	N3	WD	G1	F1	HM						H6/A6.02	H8/A6.02			
MZ113	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD		F10	HM	G1					H6/A6.02	H8/A6.02			
MZ115	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD		F10	HM	G1					H6/A6.02	H8/A6.02			
R103	RESTROOM	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
R122	WOMENS LOCKER RESTROOM	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
R126	MENS VISITING RESTROOM	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
R128	WOMENS VISITING RESTROOM	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
R130A	MENS LOCKER RESTROOM	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
R130B	MENS SOCCER LOCKER	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
SR101	STORAGE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
SR104	STORAGE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM										
SR109	STORAGE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02		90 MIN	
SR130	SPORTS STORAGE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
SR140	STORAGE	6' - 0"	7' - 0"	13/4"	F	WD		F1	HM						A3/A6.03	A3/A6.03			
SR141	STORAGE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM						H6/A6.02	H8/A6.02			
V101	CORRIDOR	6' - 0"	7' - 0"	13/4"	FG2	WD	G1	F13	HM						E8/A5.22	E8/A5.22	A8/A5.22		

DOOR NUMBERED NOTES

01 ACCESS CONTROL
02 AUTOMATIC DOOR OPERATOR, SEE SPECIFICATION 08 7100
03 EXISTING FRAME TO REMAIN, NEW DOOR & HARDWARE
04 ALUMINUM-FRAMED ENTRANCE DOORS, SEE SPECIFICATIONS
05 OVERHEAD COILING DOOR, SEE SPECIFICATIONS
06 DOOR SWING MODIFICATION, SEE PLANS
07 EXISTING STOREFRONT DOOR TO REMAIN

SPECIALTY DOORS



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. WHERE MORE DESCRIPTIVE INFORMATION MAY BE LOCATED ELSEWHERE, NOTATION IS MADE IN THE NUMBERED NOTES COLUMN. (E.G. ALUMINUM FRAMED ENTRANCE DOORS. SEE SPECIFICATIONS)
C. FIELD VERIFY ALL EXISTING DOOR SIZES

2) MATERIAL AND FINISH:
A. MATERIALS AND FINISHES INDICATED ON THE SCHEDULE ARE AS FOLLOWS:

HM	HOLLOW METAL
ST	STEEL
ST/S	STEEL / STAINLESS OR STAINLESS CLAD
WD	SOLID CORE WOOD
WD/PL	WOOD / PLASTIC LAMINATE FACED
WD/IR	WOOD / IMPACT-RESISTANT VINYL-FACED
AL	ALUMINUM
GL	GLAZING/GLASS
PREFIN	PREFINISHED (OR FACTORY FINISHED)
PNT	PAINTED
STN	STAINED

3) GLASS:
A. GLASS TYPES INDICATED ON THE SCHEDULE ARE AS FOLLOWS (SEE SPECIFICATION SECTIONS 08 8000 'GLAZING' & 13 4900 'RADIATION PROTECTION'):

MONOLITHIC:

G1	6.0mm	CLEAR, TEMPERED (INCREASE TO 12.0mm TH. AT 2-SIDED GLAZING)
G1A	6.0mm	CLEAR, HEAT STRENGTHENED
G2	6.0mm	ULTRACLEAR, TEMPERED
G3	4.0mm(x2)	ULTRACLEAR, TEMPERED, 2 LITES + INTEGRAL BLINDS
G4	7.5mm	CLEAR, LAMINATED, INTERLAYER COLOR: CLEAR
G5	7.5mm	ULTRACLEAR, LAMINATED, INTERLAYOR COLOR: CLEAR
G6	7.5mm	CLEAR, LAMINATED, INTERLAYER COLOR: ARCTIC SNOW
G7	8.0mm	CLEAR, FIRE-RATED CERAMIC GLAZING, MATCH RATING OF OPENING
G8	12.5mm	LEAD-BARIUM X-RAY SHIELDING GLASS (SEE SPECIFICATION 13 4900)
G9	VARIES	SPECIALTY GLASS, (IF SCHEDULED, SEE SPECIFICATION 08 8000)

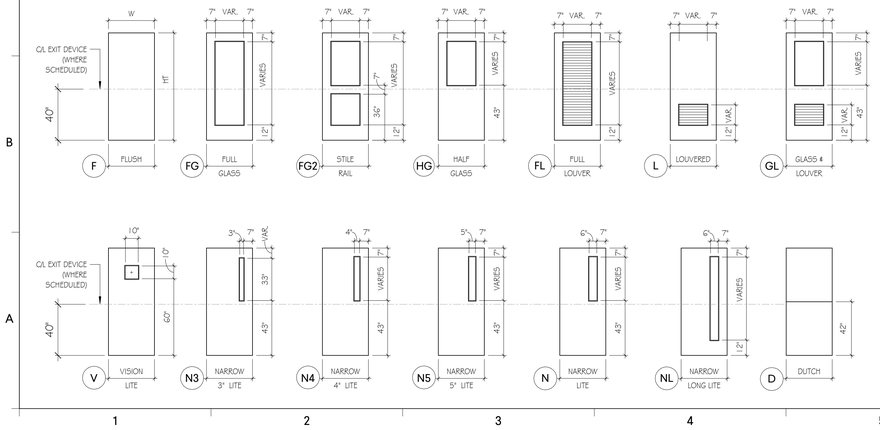
INSULATING:

IG1	1 inch	INSULATING, VISION LITE
IG2	1 inch	INSULATING, SPANDREL LITE
IG3	1 5/16 in.	INSULATING, LAMINATED, VISION LITE
IG4	1 5/16 in.	INSULATING, LAMINATED, SPANDREL LITE

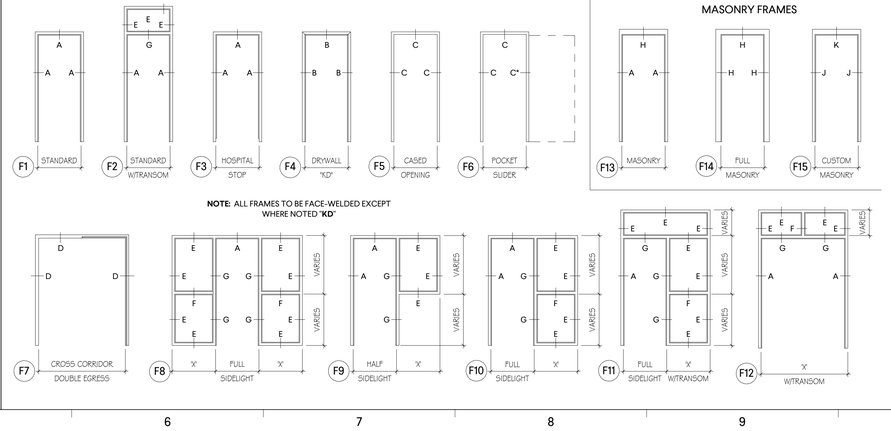
4) LOUVERS:
A. DOOR LOUVER TYPES INDICATION ON THE SCHEDULE ARE AS FOLLOWS:
L1 30" W 20" H, 55% FREE AREA, WEATHER RESISTANT, W/ INSECT SCREEN
L2 A" W X B" H, LIGHT PROOF

5) DOOR HARDWARE:
A. "HARDWARE SET NUMBER" REFERS TO HARDWARE SETS SPECIFIED IN SPECIFICATION SECTION 08 7100 "DOOR HARDWARE".

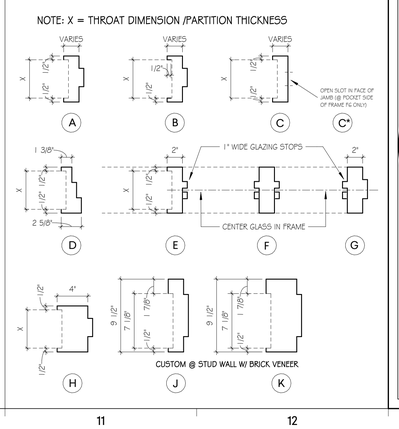
DOOR TYPES - WOOD + HOLLOW METAL SWING DOORS



FRAME TYPES - HOLLOW METAL



FRAME PROFILES



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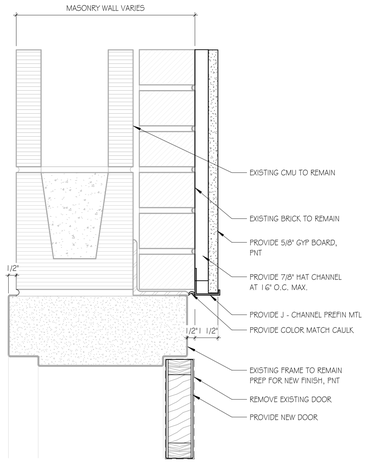
ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

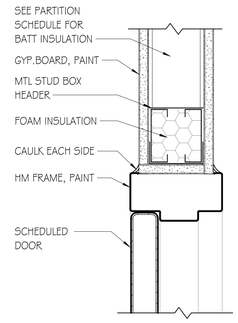
STATE OF ALABAMA
PATRICK SWATEK
8969
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DOOR SCHEDULE
A6.01

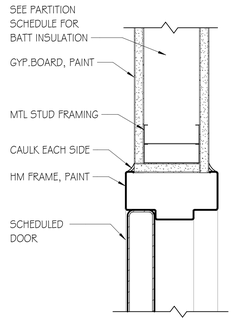
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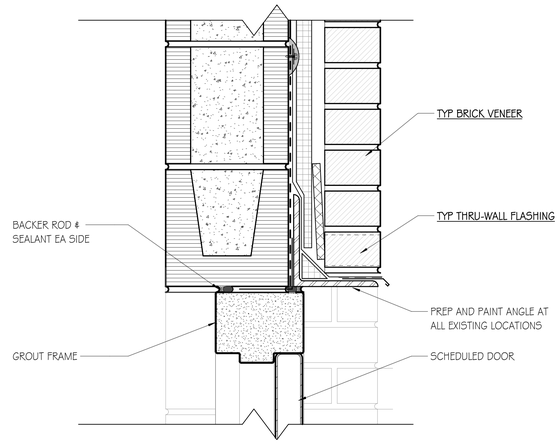
H2 MASONRY DOOR HEAD - EXISTING
SCALE: 3" = 1'-0"



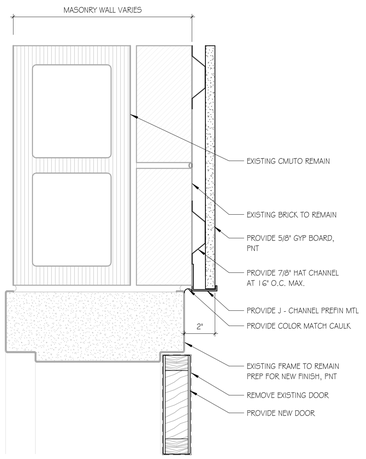
H6 MTL STUD - DOOR HEAD
SCALE: 3" = 1'-0"



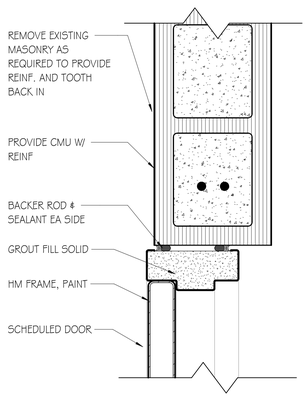
H8 MTL STUD - DOOR JAMB
SCALE: 3" = 1'-0"



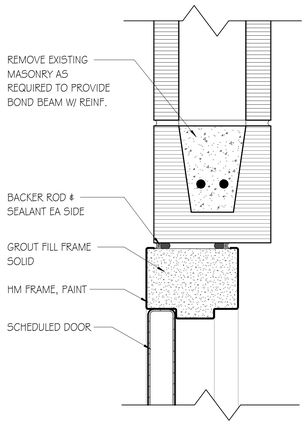
H10 MASONRY DOOR HEAD
SCALE: 3" = 1'-0"



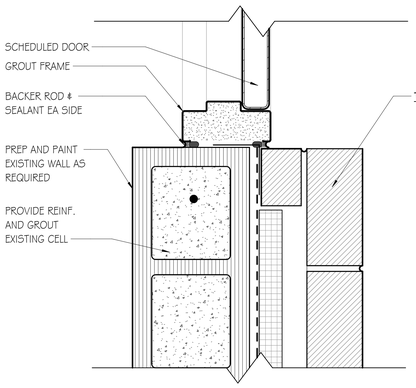
D2 MASONRY INTERIOR DOOR JAMB-EXISTING
SCALE: 3" = 1'-0"



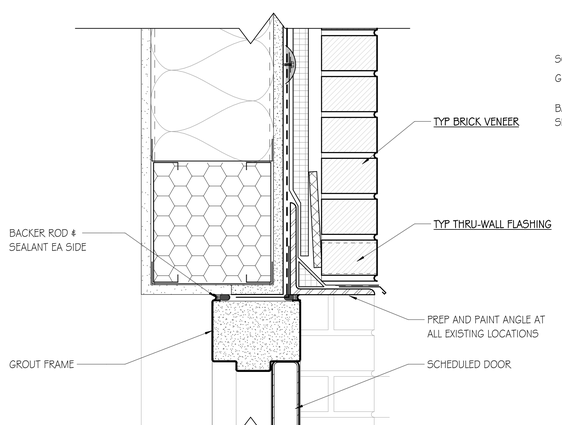
D6 CMU - DOOR JAMB
SCALE: 3" = 1'-0"



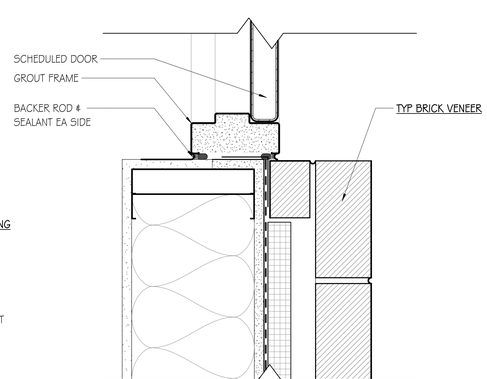
D8 CMU - DOOR HEAD
SCALE: 3" = 1'-0"



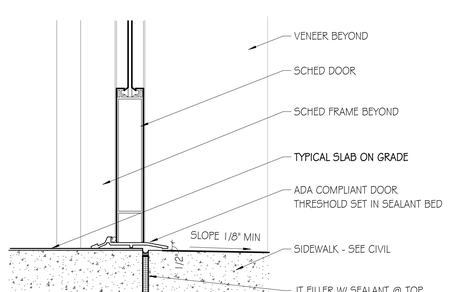
D10 MASONRY DOOR JAMB
SCALE: 3" = 1'-0"



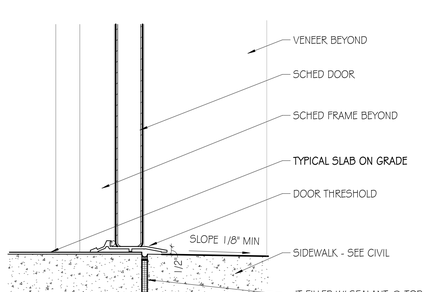
A2 STUD DOOR HEAD
SCALE: 3" = 1'-0"



A6 STUD DOOR JAMB
SCALE: 3" = 1'-0"



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



A10 EXT HM DR THRESHOLD
SCALE: 3" = 1'-0"

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ENTERPRISE, AL 36330

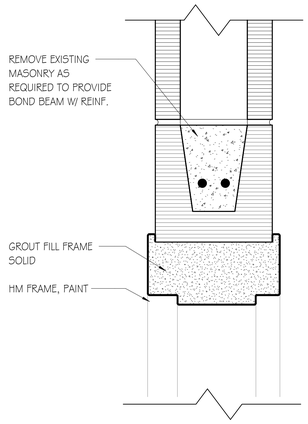
ACCS 2025 130 ESCC
GMC ABHM250051

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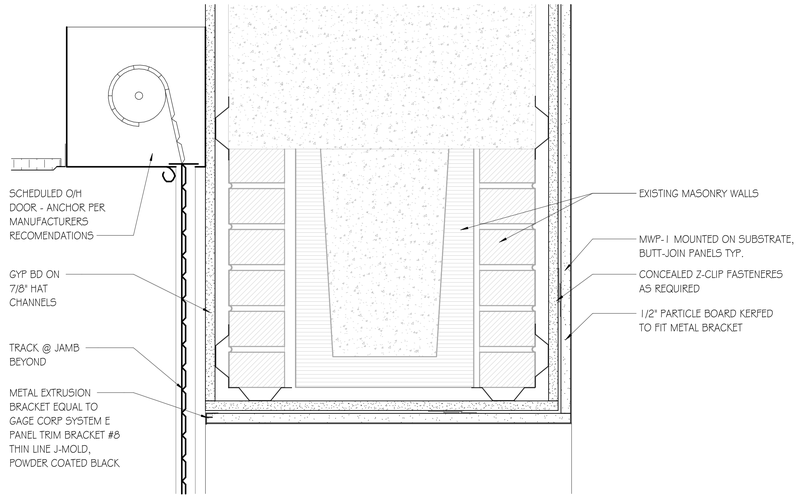
DOOR DETAILS

A6.02

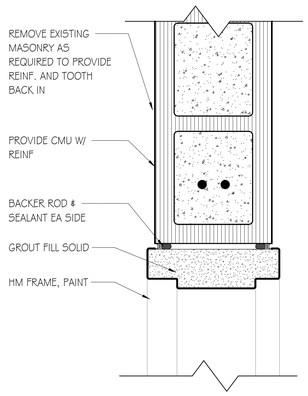
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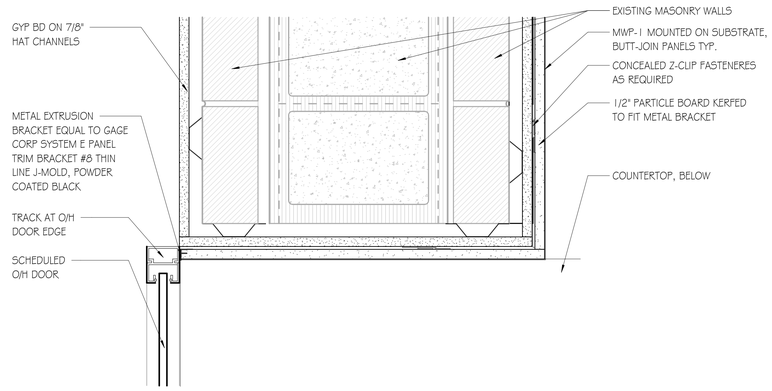
H7 CMU - DOOR HEAD CASED OPENING
SCALE: 3" = 1'-0"



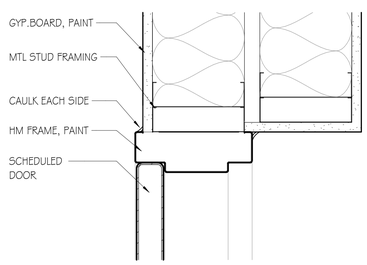
H9 OH DOOR HEAD
SCALE: 3" = 1'-0"



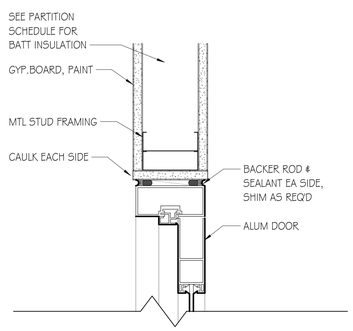
E7 CMU - DOOR JAMB CASED OPENING
SCALE: 3" = 1'-0"



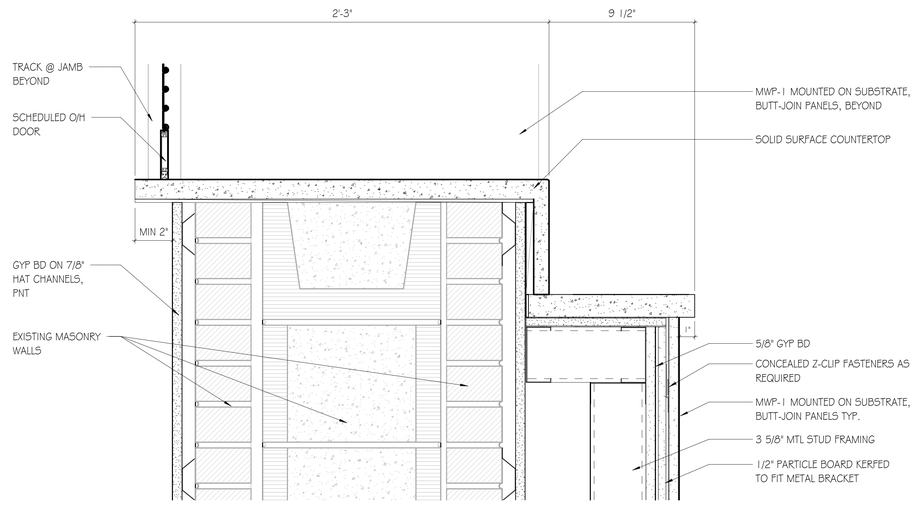
E9 OH DOOR JAMB
SCALE: 3" = 1'-0"



A3 HM DOOR HEAD/JAMB - DBL STUD
SCALE: 3" = 1'-0"



A7 ALUM DR HEAD/JAMB - STUD
SCALE: 3" = 1'-0"



A9 OH DOOR SILL
SCALE: 3" = 1'-0"

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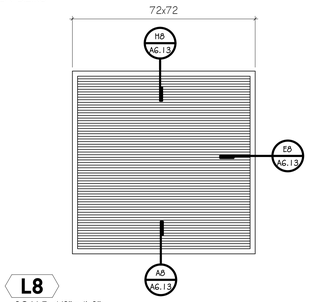
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DOOR DETAILS

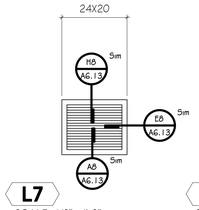
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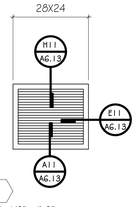
*REFERENCE MECHANICAL FOR LOUVER LOCATIONS & SIZING



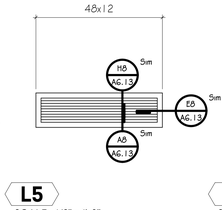
L8
SCALE: 1/2" = 1'-0"



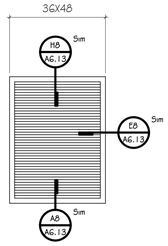
L7
SCALE: 1/2" = 1'-0"



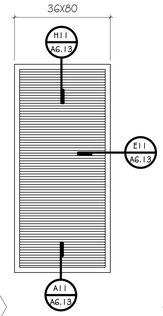
L6
SCALE: 1/2" = 1'-0"



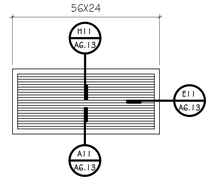
L5
SCALE: 1/2" = 1'-0"



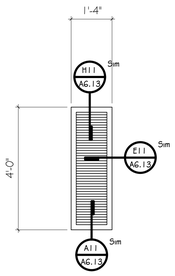
L4
SCALE: 1/2" = 1'-0"



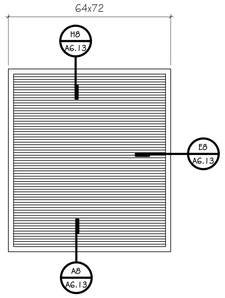
L3
SCALE: 1/2" = 1'-0"



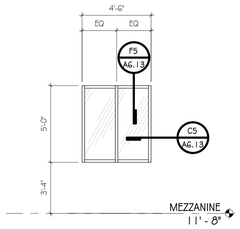
L2
SCALE: 1/2" = 1'-0"



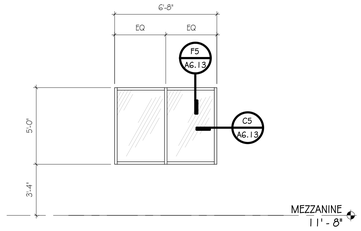
L1
SCALE: 1/2" = 1'-0"



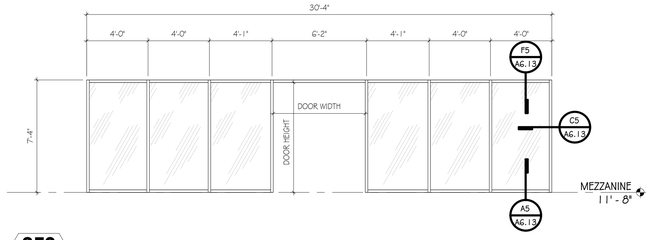
L9
SCALE: 1/2" = 1'-0"



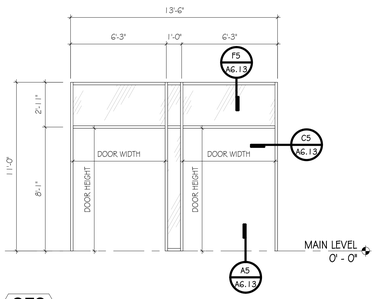
SF5
SCALE: 1/4" = 1'-0"



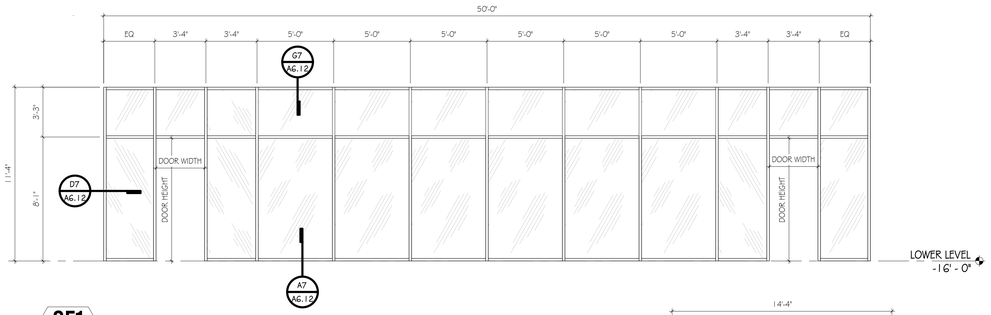
SF4
SCALE: 1/4" = 1'-0"



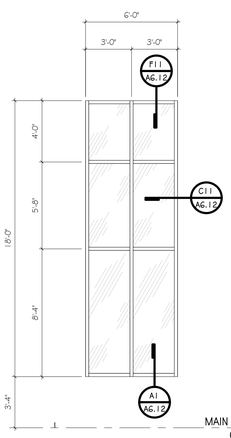
SF3
SCALE: 1/4" = 1'-0"



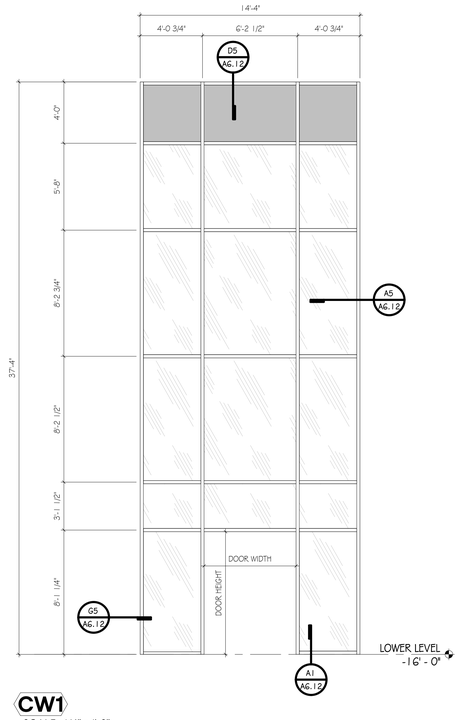
SF2
SCALE: 1/4" = 1'-0"



SF1
SCALE: 1/4" = 1'-0"



CW2
SCALE: 1/4" = 1'-0"



CW1
SCALE: 1/4" = 1'-0"

*REFER TO ELEVATIONS FOR SPANDREL GLASS

GLASS SCHEDULE

GLASS TYPES INDICATED ON THE SCHEDULE ARE AS FOLLOWS (SEE SPECIFICATION SECTIONS 088000 "GLAZING"):

MONOLITHIC:

G1	6.0mm	CLEAR, TEMPERED
G2	7.5mm	CLEAR, LAMINATED, INTERLAYER COLOR: CLEAR
G3	7.5mm	CLEAR, LAMINATED, INTERLAYER COLOR: ARCTIC SNOW
G4	8.0mm	CLEAR, FIRE-RATED CERAMIC GLAZING, MATCH RATING

INSULATING:

IG1	1 INCH	INSULATING, VISION LITE
IG2	1 INCH	INSULATING, SPANDREL LITE

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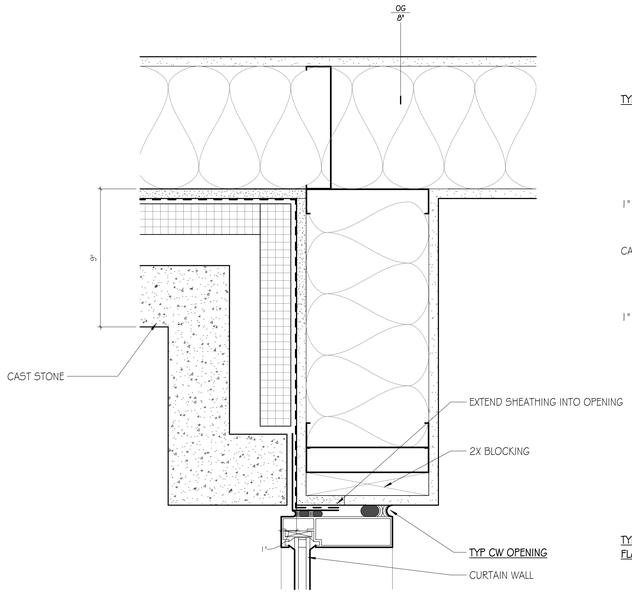
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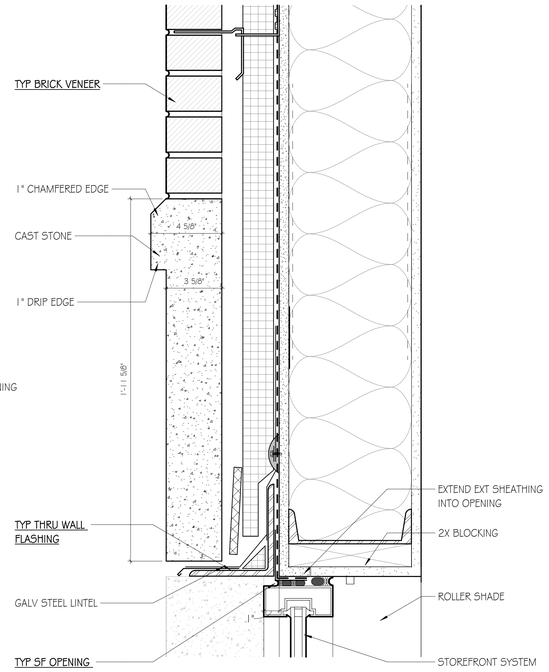
GLAZING & LOUVER SCHEDULES

A6.11

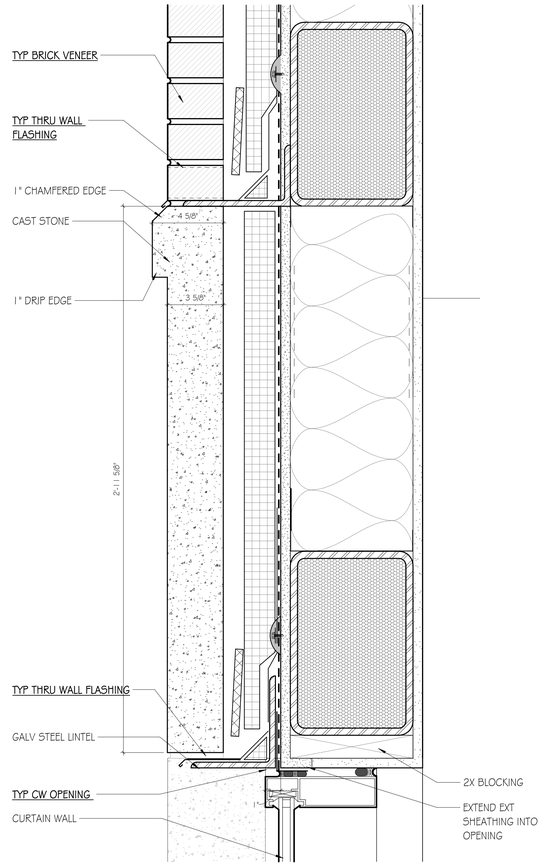
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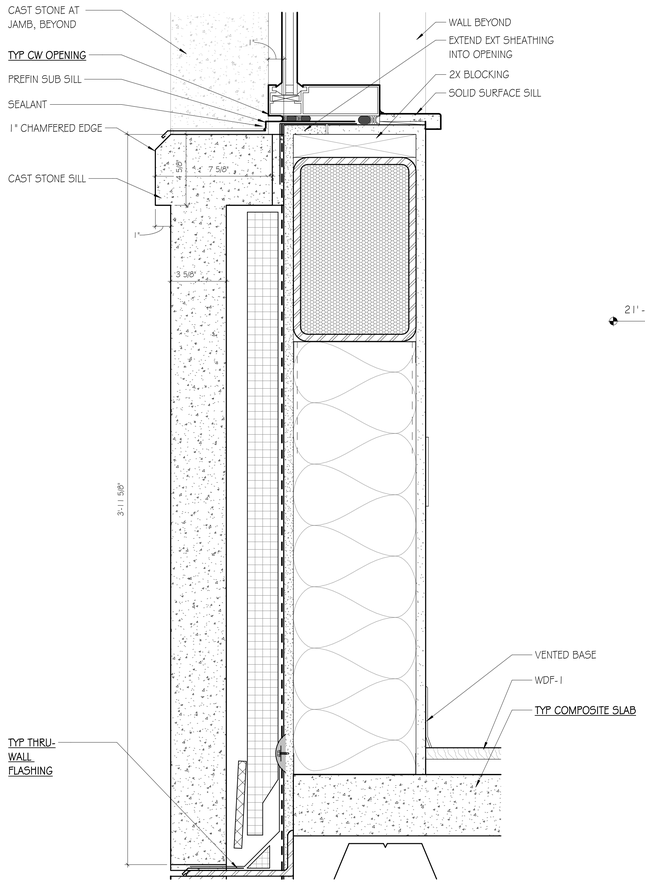
G5 CAST STONE CURB TO CW
SCALE: 3" = 1'-0"



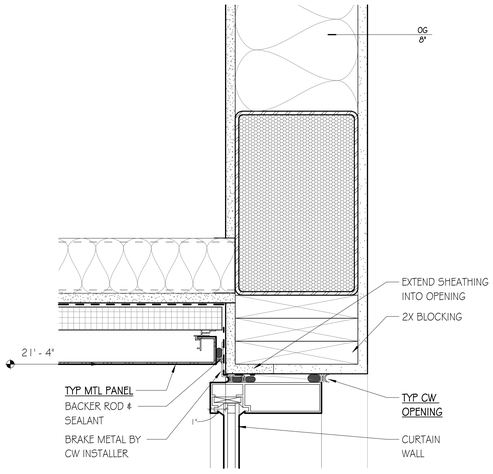
G7 EXT SF HEAD
SCALE: 3" = 1'-0"



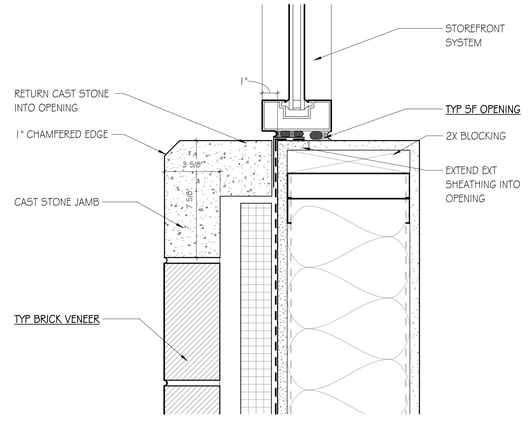
F11 EXT CW HEAD
SCALE: 3" = 1'-0"



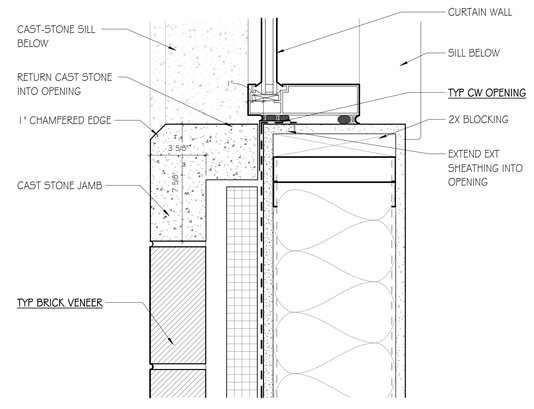
A1 EXT CW SILL
SCALE: 3" = 1'-0"



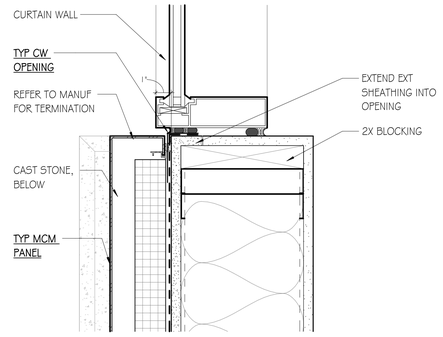
D5 EXT CW HEAD - MTL PANEL
SCALE: 3" = 1'-0"



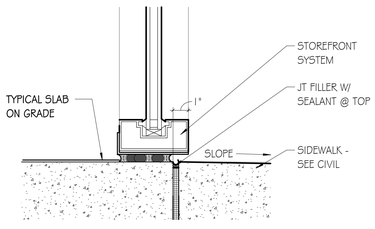
D7 EXT SF JAMB
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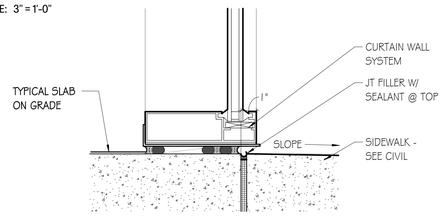
C11 EXT CW JAMB
SCALE: 3" = 1'-0"



A5 CW JAMB - MCM
SCALE: 3" = 1'-0"



A7 EXT SF SILL @ SIDEWALK
SCALE: 3" = 1'-0"



A11 EXT CW SILL @ SIDEWALK
SCALE: 3" = 1'-0"

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ISSUE DATE
ISSUED FOR BID 2026.11.06

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

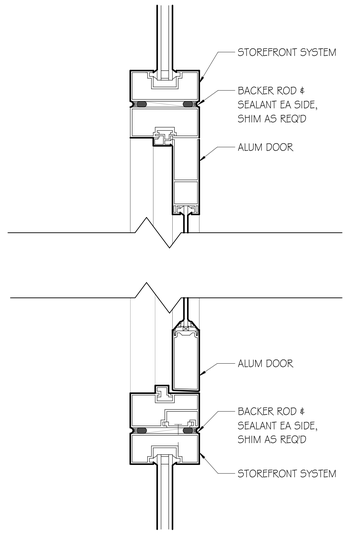
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GMC ABHM250051

STATE OF ALABAMA
PATRICK SWATEK
8969
REGISTERED ARCHITECT

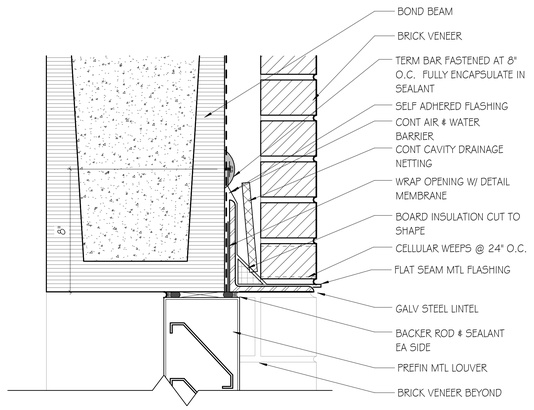
GLAZING & LOUVER DETAILS

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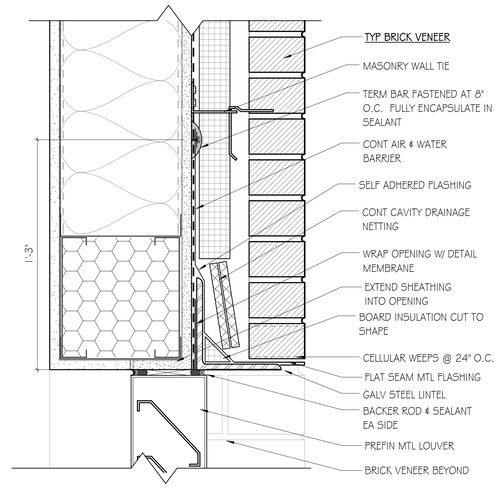
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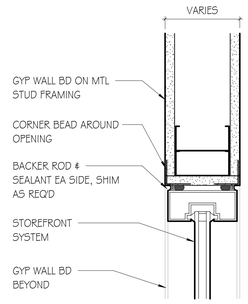
H5 ALUM DR HEAD & JAMB - SF
SCALE: 3" = 1'-0"



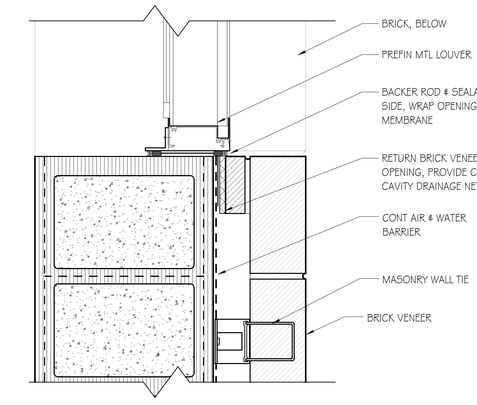
H8 EXT LOUVER HEAD - CMU
SCALE: 3" = 1'-0"



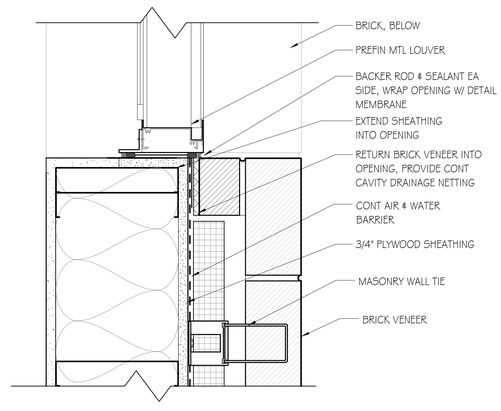
H11 EXT LOUVER HEAD
SCALE: 3" = 1'-0"



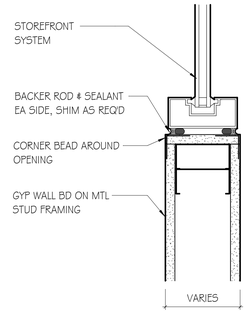
F5 INT SF HEAD/SILL - STUD
SCALE: 3" = 1'-0"



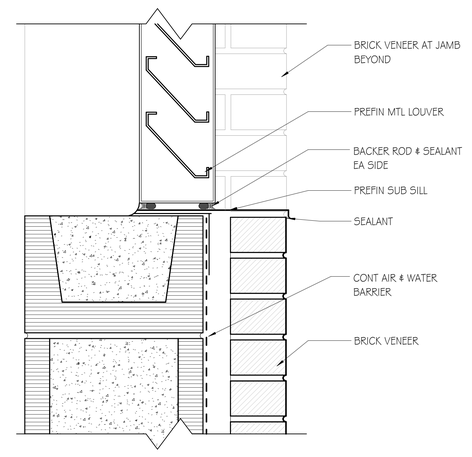
E8 EXT LOUVER JAMB - CMU
SCALE: 3" = 1'-0"



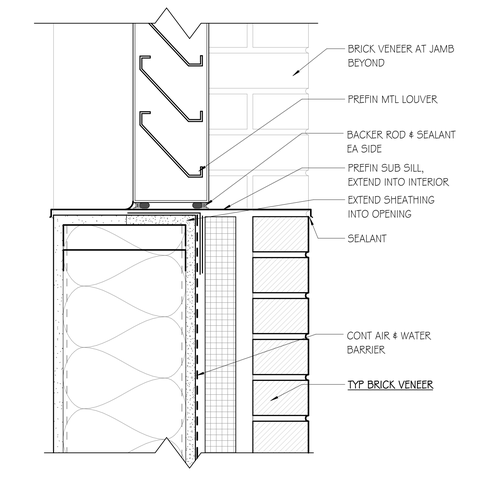
E11 EXT LOUVER JAMB
SCALE: 3" = 1'-0"



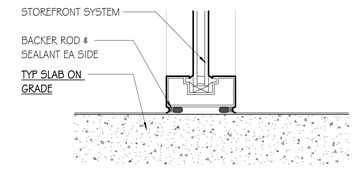
C5 INT SF JAMB - STUD
SCALE: 3" = 1'-0"



A8 EXT LOUVER SILL - CMU
SCALE: 3" = 1'-0"



A11 EXT LOUVER SILL
SCALE: 3" = 1'-0"



A5 INT SF SILL @ SLAB
SCALE: 3" = 1'-0"

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GLAZING & LOUVER DETAILS

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FINISH NOTES

FLOORS:

- REFER TO FLOOR FINISH PLANS FOR FLOOR PATTERN. CONTRACTOR MUST NOTIFY INTERIOR DESIGNER BEFORE INSTALLATION OF FLOORING TO REVIEW DESIGN INTENT OF FLOOR PATTERN PLAN

- ALL FLOORING TRANSITIONS INCLUDING TRANSITIONS TO SIMILAR MATERIAL OR REDUCER STRIPS AND OTHER THRESHOLDS TO DISSIMILAR MATERIAL SHALL BE LOCATED AT THE CENTERLINE OF DOOR WHEN IN CLOSED POSITION. COLORS SHALL BE SELECTED DURING SUBMITTAL REVIEW. REFER TO DETAILS FOR TRANSITIONS BETWEEN FLOORING MATERIALS. CONTRACTOR TO PROVIDE TRANSITION SIZES APPROPRIATE FOR THICKNESS

- AVOID ALL FLOORING MATERIAL SLIVER CUTS LESS THAN 4" WIDE @ WALL PERIMETERS & MATERIAL TRANSITIONS. CONTACT DESIGNER IF JOBSITE CONDITIONS DIFFER.

- INSTALL FLOORING CONTINUOUS UNDER ALL CASEWORK, MILLWORK, EQUIPMENT, & FURNITURE

- ALIGN VERTICAL GROUT JOINTS IN TILE BASE WITH THOSE IN THE FLOOR TILE UNLESS NOTED OTHERWISE

RENOVATION:

- AT EXISTING SEALED CONCRETE FLOOR LOCATIONS NOTED AS SC ON FINISH PLANS - GC TO CLEAN, GRIND & RE-SEAL AS SPECIFIED.

- DEEP CLEAN ALL TILE AND GROUT AND RESEAL GROUT AT LOCATIONS WHERE TILE IS TO REMAIN.

WALLS:

- REFER TO FINISH PLANS & ELEVATIONS FOR LOCATION OF ACCENT PAINT COLORS

- ALL HOLLOW METAL DOOR & WINDOW FRAMES TO BE PAINTED (PNT-2) UNLESS OTHERWISE NOTED

- ALL ACCESS PANELS AND MISCELLANEOUS METAL (RETURN AND AIR SUPPLY GRILLES, EXPANSION JOINTS, ETC.) LOCATED ON WALL SURFACES OR CEILING SURFACES TO BE PAINTED WALL OR CEILING COLOR U.N.O.

- WALL BASE TO BE INSTALLED ON ALL WALLS, MILLWORK, AND CASEWORK U.N.O.

- INSTALL FINISH STRIP EQUAL TO SCHLUTER "JOLLY" AT ALL EXPOSED TILE EDGES & CORNERS

MILLWORK / CASEWORK:

- INSTALL 3MM EDGEBAND ON ALL PLASTIC LAMINATE COUNTERTOPS AND CABINETS.

- ALL WINDOWS TO HAVE SOLID SURFACE (SS-2) SILL U.N.O.

- GROMMET LOCATIONS TO BE COORDINATED WITH OWNER

- FIELD VERIFY ALL DIMENSIONS FOR CASEWORK & MILLWORK PRIOR TO FABRICATION & INSTALLATION

- ALL EXPOSED ENDS AND EXPOSED INTERIORS OF CASEWORK/ MILLWORK TO RECEIVE MATCHING LAMINATES

- ALL CABINETS TO BE LOCKABLE WITH THE EXCEPTION OF UPPER & LOWER TYPICAL CLASSROOM & BREAK ROOM CABINETS. ALL TALL CABINETS & FILE DRAWERS TO BE LOCKABLE.

MISC:

- DO NOT PAINT DOOR LABELS AT RATED DOORS OR FRAMES.

- PROVIDE BLOCKING AS REQUIRED AT ALL TELEVISION LOCATIONS - COORDINATE WITH OWNER'S EQUIPMENT

- PROVIDE BLOCKING FOR ALL GRAB BARS AND TOILET ACCESSORIES

- REFER TO RCP FOR ACCENT PAINT COLOR LOCATIONS IN CEILING - WHERE CEILINGS ARE CALLED OUT TO BE PAINTED, BOTH CEILING AND SOFFIT/BULKHEAD WALLS ARE TO BE PAINTED ACCENT COLOR

- ROLLER SHADES AND BLINDS ARE TAGGED ON THE RCP

- NON ADA TOILET FIXTURES SHALL BE CENTERED IN STALL

- WALL TILE TO BE INSTALLED TO 98" A.F.F. ON ALL WET WALLS U.N.O.

- CAULK ALL DOOR FRAMES, MILLWORK, AND VIEW WINDOW FRAMES AFTER WALLCOVERING INSTALLATION IS COMPLETE. COLOR OF CAULK TO MATCH ADJACENT FINISH.

- GC TO PROVIDE SPECIFIED EXPANSION JOINT COVER AT ALL EXPOSED FINISH FLOOR, CEILING, AND WALL LOCATIONS

- MARKER BOARDS HEIGHTS TO BE (3'-0" A.F.F.) TO THE BOTTOM OF WRITING SURFACE. GC TO COORDINATE WALL BLOCKING AS REQ'D.

- ALL PARTIES RESPONSIBLE FOR DELIVERING FINISHES TO THE SITE SHALL CHECK AVAILABILITY OF QUANTITIES AND DELIVERY DATES UPON NOTICE TO PROCEED. NO CONSIDERATION WILL BE GIVEN FOR FAILURE TO COMPLY WITH THIS REQUIREMENT.

RCP NOTES:

- ALL SPRINKLER HEADS IN FINISHED CEILINGS ALL SHALL BE CENTERED IN CEILING TILE. SPRINKLER HEADS SHALL NOT BE PAINTED.

- INTERIOR CEILING HEIGHTS SHALL BE AS INDICATED ON THE REFLECTED CEILING PLANS.

- ALL BULKHEADS TO BE 4" BELOW ADJACENT ACT CEILING UNLESS NOTED OTHERWISE

- WHERE EXIT SIGNS ARE LOCATED ABOVE DOORWAYS, CENTER ABOUT DOOR, BUT MAINTAIN MINIMUM OVERHEAD CLEARANCE.

- IN EXPOSED CEILINGS (EXP-2) ALL EXPOSED ELEMENTS NOT LIMITED TO TRUSS SYSTEM, ACOUSTICAL DECK, DUCTWORK, CONDUIT, AND PIPING TO BE PAINTED

- ALL GYP CEILINGS TO BE PAINTED (PNT-5) UNLESS OTHERWISE NOTED IN RCP. BOTH CEILING AND SOFFIT /BULKHEAD SURFACES ARE TO BE PAINTED THE SAME COLOR.

- DO NOT INSTALL CEILING TILE LESS THAN 6" IN ANY DIRECTION - WHEN POSSIBLE CENTER TILE IN ROOM.

- COORDINATE WITH OWNER'S A/V CONSULTANT FOR PROJECTION SCREEN AND PROJECTOR LOCATIONS

- AREAS WITH EXPOSED CEILINGS (EXP-2) SHALL HAVE CEILING PAINT COLOR EXTEND DOWN VERTICAL WALL SURFACE (24") U.N.O. - CONTRACTOR SHALL FIELD VERIFY EACH EXPOSED LOCATION WITH ARCHITECT AND OWNER PRIOR TO PAINTING.

TOILET ACCESSORIES SCHEDULE

TAG	DESCRIPTION	COMMENTS
TA01	TOILET TISSUE DISP - DBL. STD. ROLL W/SHELF	OFCI
TA03	PAPER TOWEL DISPENSER (FOLDED, HIGH-CAPACITY)	OFCI
TA11	WASTE RECEPTACLE, SURFACE MOUNT, LARGE	OFCI
TA19	SOAP DISP - LIQUID, MANUAL	OFCI
TA23	18" VERTICAL GRAB BAR	OFCI
TA24	36" HORIZONTAL GRAB BAR	OFCI
TA25	42" HORIZONTAL GRAB BAR	OFCI
TA26	ROBE HOOK (ADA FRONT APPROACH)	OFCI
TA29	SANITARY NAPKIN DISPOSAL	OFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	OFCI
TA32	MIRROR, CHANNEL FRAMED (24 x 60 INCHES)	OFCI
TA33	HEAVY DUTY SHOWER ROD	OFCI
TA35	VINYL SHOWER CURTAIN	OFCI
TA36	SHOWER SEAT - FOLDING, L-SHAPED	OFCI
TA55	DIAPER CHANGING STATION, SURFACE-MOUNT	OFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	OFCI

SPECIALTY EQUIPMENT SCHEDULE

TAG	DESCRIPTION	COMMENTS
52	DRYER	CFCI
53	WASHER	CFCI
54	COMPACT REFRIGERATOR	OFCI
55	96 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
56	60 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
57	REFRIGERATOR/FREEZER - SIDE BY SIDE	OFCI
59	COPY MACHINE - COORDINATE ELEC & DATA	OFCI
510	LOCKER 1 - MVP II STORAGE LOCKER - SEE FINISH LEGEND	CFCI
511	LOCKER 2 - 2 TIER HEAVY DUTY LOCKER - SEE FINISH LEGEND	CFCI
512	ADA LOCKER ROOM BENCH W/ BACK SUPPORT	CFCI
513	7' LONG LOCKER ROOM BENCH	CFCI
514	MARKER BOARD - 8'-0"W X 4'-0"H	CFCI
515	MARKER BOARD - 10'-0"W X 4'-0"H	CFCI
517	MARKER BOARD - 4'-0"W X 4'-0"H	CFCI
519	ADA COMPLIANT ICE MAKER	CFCI
520	GYM WALL PAD - 24"W X 72"H	CFCI
521	COMMERCIAL WASHER	CFCI
522	COMMERCIAL DRYER	CFCI
523	UTILITY SHELVING - METAL - 36"W X 18"D X 84"H	CFCI

CASEWORK SCHEDULE

NOTE: CABINET DESIGN SERIES (CDS) NUMBERS BASED ON AWI STANDARDS EDITION 2

CDS #	CASEWORK TYPE	DESCRIPTION
102	BASE CAB	DBL DOOR
154	BASE CAB	FALSE DRWR / REMOVABLE TOE FOR ADA
211	BASE CAB	SGL DOOR / SGL DRWR
222	BASE CAB	DBL DOORS / DBL DRWRS
230	BASE CAB	3 FILES
301	WALL CAB	SGL DOOR
302	WALL CAB	DBL DOORS
402	TALL STG	DBL DOOR
ADA	BASE CAB	ADA SINK
MWBC	BASE CAB	MICROWAVE CABINET

FINISH LEGEND

FLOOR

NUMBER	TYPE	DETAIL DESCRIPTION
CPT-1	CARPET	MANUFACTURER: MILLIKEN COLLECTION: COLLECTIVE MIND PATTERN: ENLIGHTEN COLOR: CUSTOM; DR #: 01477688 SIZE: 9.84" X 39.4" INSTALLATION: ASHLAR LOCATION: SEE FINISH PLANS
CPT-2	CARPET	MANUFACTURER: MANNINGTON COLLECTION: ORIGAMI PATTERN: MOUNTAIN FOLD COLOR: SWAN SIZE: 24" X 24" INSTALLATION: ASHLAR LOCATION: MEZZANINE - SEE FINISH PLANS
CPT-3	CARPET	MANUFACTURER: MANNINGTON COLLECTION: ORIGAMI PATTERN: FAN FOLD COLOR: SWAN SIZE: 24" X 24" INSTALLATION: ASHLAR LOCATION: MEZZANINE - SEE FINISH PLANS
TC-1	TEXTILE COMPOSITE	MANUFACTURER: J+J FLOORING GROUP STYLE: Z FACTOR COLOR: TRAIL SIZE: 18" X 36" INSTALLATION: ASHLAR LOCATION: LOCKER ROOMS
HTF-1	HARD FLOOR TILE	MANUFACTURER: SOUTH CYPRESS STYLE NAME: FOUNDATIONS COLOR: BLACK SIZE: 12" X 24" INSTALLATION: ASHLAR GROUT: TBD LOCATION: SEE FINISH PLANS
LVT-1	LUXURY VINYL TILE	MANUFACTURER: MANNINGTON COLLECTION: SPACIA PATTERN: STONE COLOR: CERMAIC DARK 3566 SIZE: 18" X 18" THICKNESS: 5MM / WEAR LAYER: 20 MIL INSTALLATION: ASHLAR LOCATION: SEE FINISH PLANS
LVT-2	LUXURY VINYL TILE	MANUFACTURER: MILLIKEN COLLECTION: QUIET SIDE PATTERN: WHISPHERWOOD COLOR: WHS10 CHOCOLATE SIZE: 6" X 48" THICKNESS: 5MM / WEAR LAYER: 20 MIL INSTALLATION: ASHLAR RANDOM LOCATION: SEE FINISH PLANS
LVT-3	LUXURY VINYL TILE	MANUFACTURER: MANNINGTON COLLECTION: COLOR COLLECTIVE PATTERN: PRISMA 30 COLOR: MONSTERA 50276 SIZE: 18" X 18" THICKNESS: 5MM / WEAR LAYER: 20 MIL INSTALLATION: ASHLAR LOCATION: SEE FINISH PLANS
SC-1	SEALED CONCRETE	MANUFACTURER: EUCLID CHEMICAL STYLE NAME: EUCO DIAMOND HARD LOCATION: SEE FINISH PLANS
EF-1	EPOXY FLOORING	MANUFACTURER: STONHARD STYLE NAME: STONSHIELD SLT COLOR: ASH TEXTURE: STANDARD LOCATION: ATHLETE RESTROOMS
RF-1	RUBBER FLOORING	MANUFACTURER: SIENA STYLE NAME: RUBBER FLOORING COLOR: VIRIDECENT GREEN #SR935108 SIZE: ROLL - 48" WIDTH THICKNESS: 9 MM LOCATION: SEE FINISH PLANS
RF-2	RUBBER FLOORING	MANUFACTURER: SIENA STYLE NAME: RUBBER FLOORING COLOR: BLACK TIE SIZE: ROLL - 48" WIDTH THICKNESS: 9 MM LOCATION: SEE FINISH PLANS
WDF-1	WOOD FLOORING	MANUFACTURER: ROBBINS STYLE NAME: BIO CHANNEL 5B - GRADE 2 LOCATION: GYMNASIUM 140
WOC-1	WALK-OFF CARPET	MANUFACTURER: MILLIKEN COLLECTION: OBEX PATTERN: LOOP / BARK COLOR: DARK GREY SIZE: 50 CM X 50 CM INSTALLATION: ASHLAR LOCATION: EXISTING LOBBY

BASE

NUMBER	TYPE	DETAIL DESCRIPTION
RB-1	RUBBER BASE	MANUFACTURER: ROPPE STYLE NAME: PINNACLE COLOR: DARK GRAY SIZE / PROFILE: 4" STANDARD TOE INSTALLATION: CONTINUOUS COIL LOCATION: SEE FINISH SCHEDULE
RB-2	RUBBER BASE	MANUFACTURER: ROPPE STYLE NAME: CONTOUR COLOR: DARK GRAY SIZE / PROFILE: SIMPLICITY BOLD 6" INSTALLATION: CONTINUOUS COIL LOCATION: SEE FINISH SCHEDULE
HTB-1	HARD TILE BASE	MANUFACTURER: SOUTH CYPRESS STYLE NAME: FOUNDATIONS COLOR: BLACK SIZE: 6" X 12" COVE BASE LOCATION: PUBLIC RESTROOMS
EB-1	EPOXY BASE	MANUFACTURER: MATCH EF-1 STYLE NAME: MATCH EF-1 COLOR: MATCH EF-1 SIZE: 4" INTEGRAL COVER WITH TOP CAP LOCATION: ATHLETE RESTROOMS
VB-1	VENTED BASE	MANUFACTURER: ROBBINS STYLE NAME: VENTED BASE COLOR: BLACK SIZE: 3" X 3" LOCATION: GYM

WALL

NUMBER	TYPE	DETAIL DESCRIPTION
PNT-1	[GENERAL/MAIN PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: PASSIVE - SW 7064 LOCATION: TYPICAL MAIN PAINT U.N.O.
PNT-2	[TRIM PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: GRIZZLE GRAY - SW 7068 LOCATION: TYPICAL TRIM PAINT U.N.O.
PNT-3	[ACCENT PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: SHAMROCK - SW 6454 LOCATION: WHERE NOTED
PNT-4	[ACCENT PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: ENVY - SW 6925 LOCATION: WHERE NOTED
PNT-5	[MAIN CEILING/SOFFIT PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: EXTRA WHITE - SW 7006 LOCATION: TYPICAL GYP CEILING PAINT; SEE EXP-2 LEGEND
PNT-6	[CEILING PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: IRON ORE - SW 7069 LOCATION: SEE EXP-2 LEGEND
PNT-7	[GENERAL PAINT]	MANUFACTURER: SCUFFMASTER PRODUCT: SCRUBTOUGH COLOR: TO MATCH PNT-1 LOCATION: GYMNASIUM 140
HTW-1	HARD WALL TILE	MANUFACTURER: ATLAS CONCORDE STYLE NAME: BEYOND DOLOMITE COLOR: GRAY SIZE: 12" X 24" INSTALLATION: ASHLAR GROUT: TBD LOCATION: PUBLIC RESTROOMS - SEE ELEVATIONS
HTW-2	HARD WALL TILE	MANUFACTURER: TILEFY STYLE NAME: TRACE - 2" X 18" COLOR: DARK GREEN INSTALLATION: HERRINGBONE GROUT: TBD LOCATION: SEE ELEVATIONS
HTW-3	HARD WALL TILE	MANUFACTURER: ANN SACKS STYLE NAME: CONTEXT - 2" X 11" COLOR: EMERALD GLOSS INSTALLATION: VERTICAL STACKED GROUT: TBD LOCATION: ATHLETE RESTROOMS - SEE ELEVATIONS
HTW-4	HARD WALL TILE	MANUFACTURER: TILE BAR STYLE NAME: PONTO - 5" X 16" COLOR: METALLIC GRAY INSTALLATION: VERTICAL STACKED GROUT: TBD LOCATION: BEHIND WATER COOLERS - SEE ELEVATIONS
HTW-5	HARD WALL TILE	MANUFACTURER: SOUTH CYPRESS STYLE NAME: FOUNDATIONS COLOR: BLACK SIZE: 12" X 24" INSTALLATION: ASHLAR GROUT: TBD LOCATION: ATHLETE RESTROOMS

MISC

NUMBER	TYPE	DETAIL DESCRIPTION
PL-1	PLASTIC LAMINATE	MANUFACTURER: FENIX COLOR: J0725 GRIGIO EFESO LOCATION: WHERE NOTED
PL-2	PLASTIC LAMINATE	MANUFACTURER: FORMICA COLOR: 05782 FORMAL WALNUT LOCATION: WHERE NOTED
SS-1	SOLID SURFACE	MANUFACTURER: DURASEIN COLOR: EVER AFTER THICKNESS: 1/2" LOCATION: TYP
SS-2	SOLID SURFACE	MANUFACTURER: CORIAN COLOR: CARBON CONCRETE THICKNESS: 2 CM LOCATION: WINDOW SILLS
AWP-1	ACOUSTICAL WALL PANELS	MANUFACTURER: ACOUFELT STYLE: FRACTURE TWO-TONE, OPTICS COLOR: FRONT- OREGANO BACK - WASABI SIZE: 48" x 108" INSTALLATION: CONTINUOUS WITH Z-CLIPS LOCATION: GYMNASIUM 140
TP-1	TOILET PARTITIONS	MANUFACTURER: ASI STYLE NAME: SOLID PLASTIC HDPE COLOR: HAMMERED - METALLIC SILVER 9511 LOCATION: TYP RESTROOMS
CG-1	CORNER GUARDS	MANUFACTURER: CONSTRUCTION SPECIALTIES STYLE NAME: SM20AN COLOR: FOG #265 SIZE: FULL HEIGHT - 3" WING LOCATION: WHERE NOTED ON FINISH PLANS
RS-1	MANUAL, DUAL, 3% + BLACKOUT ROLLER SHADE	MANUFACTURER: DRAPER STYLE (3%): SW2700 COLLECTION COLOR: TBD STYLE (BLACKOUT): SW700 COLLECTION COLOR: TBD LOCATION: WHERE NOTED ON RCP
RP-1	RESIN PANEL	MANUFACTURER: 3FORM STYLE NAME: VARIA 1/4" - TO BE MOUNTED & DIRECT GLUED ON MDF PANELS COLOR: LID-133622; SPECIALTY COMPASS - PURE SILVER FINISH: SANDSTONE FINISH LOCATION: EXISTING LOBBY
WP-1	WALL PROTECTION	MANUFACTURER: CONSTRUCTION SPECIALTIES STYLE NAME: ACROVYN SIZE: 4'-0" X 8'-0" COLOR: FOG #265 LOCATION: WHERE NOTED
FS-1	SUPER DUTY FLOATING SHELF	MANUFACTURER: WALNUT WOOD WORKS HARDWARE: SUPER DUTY FLOATING SHELF BRACKET STYLE: BUTCHER BLOCK FLOATING SHELF WOOD SPECIES: BLACK WALNUT FINISH: CONVERSION VARNISH LOCATION: HOSPITALITY ***NOTE: ENSURE CORRECT HARDWARE IS USED TO ATTACHED METAL STUD; COORDINATE METAL STUD LOCATIONS WITH MANUFACTURER/PRODUCT
SSW-1	SOLID SURFACE WALL SYSTEM	MANUFACTURER: MR WALLS STYLE NAME: RAYS COLOR: CORIAN - GLACIER WHITE SIZE: SEE ELEVATION - COORD W/ MANUF. THICKNESS: 0.5" CORIAN TOTAL DEPTH: 3.5" WITH BACKLIGHTING LOCATION: NEW LOBBY ***NOTE: WALL SYSTEM TO BE BACKLIT W/ RGB - COORD W/ ELEC
LOCKER 1	ALL WELDED SPORTS LOCKER	MANUFACTURER: LIST INDUSTRIES STYLE NAME: ALL STAR CONFIGURATION: A5NF SIZE: 24" W X 22" D X 72" H COLOR: TBD LOCATION: LOCKER ROOMS
LOCKER 2	ATHLETIC TEAM FULLY FRAMED ALL WELDED LOCKERS	MANUFACTURER: LIST INDUSTRIES STYLE NAME: ATHLETIC TEAM LOCKERS CONFIGURATION: PERFORATED 2 TIER SIZE: 15" W X 18" D X 72" H COLOR: TBD LOCATION: LOCKER ROOMS
MWP-1	METAL WALL PANEL	MANUFACTURER: GAGE CORP STYLE NAME: GAGEMETAL COLOR: BLACK ORGANIC SIZE: 48" X 120" LOCATION: ELEVATOR LOBBY & CONCESSIONS SURROUND
FDL-1	FLUSH-MOUNTED DIMENSIONAL LETTERING	MANUFACTURER: TBD SIZE: 10'-2" W X 0'-8" H DEPTH: 1/8" FONT: TO BE PROVIDED BY OWNER COLOR: TO MATCH PNT-4 FINISH: TO BE PROVIDED BY OWNER LOCATION: SEE ELEVATIONS
VWG-1	VINYL WALL GRAPHIC	MANUFACTURER: TBD SIZE: SEE ELEVATION COLOR: TO MATCH PNT-4 FINISH: TO BE PROVIDED BY OWNER LOCATION: LOCKER ROOM PERIMETER WALLS - TYPICAL
VWG-2	VINYL WALL GRAPHIC	MANUFACTURER: TBD SIZE: SEE ELEVATION COLOR: TO MATCH PNT-3 FINISH: TO BE PROVIDED BY OWNER LOCATION: SEE ELEVATIONS

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ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
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PATRICK SWATEK
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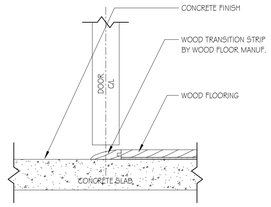
FINISH LEGEND

A6.21

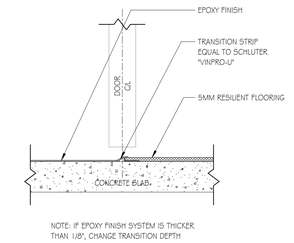
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ROOM FINISH SCHEDULE

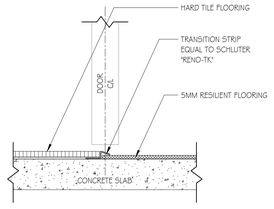
ROOM #	ROOM NAME	FLOOR	BASE	WALL	MILLWORK/CASEWORK		COMMENTS
					CABINET	COUNTERTOP	
102	GYMNASIUM	EXISTING	EXISTING	PNT-1, PNT-2	-	-	ALL EXISTING TRIM TO BE PNT-2; EXISTING TECTUM PANELS TO REMAIN.
104	OFFICE	CPT-1	RB-1	PNT-1	-	-	
105	TICKET/CONCESSION	EF-1	EB-1	HTW-1	PL-1	SS-1	
107	ELECTRICAL	SC-1	RB-1	PNT-1	-	-	
109	HOSPITALITY	CPT-1 / LVT-1	RB-2	PNT-1	PL-2	SS-1	
110	LAUNDRY FACILITY	HTF-1	HTB-1	PNT-1	PL-1	SS-1	
111	FILM ROOM	CPT-1	RB-2	PNT-1	PL-1	SS-1	
112	DATA	LVT-1	RB-1	PNT-1	-	-	
114	VESTIBULE	LVT-3	RB-2	PNT-1	-	-	
116	WOMENS VOLLEYBALL LOCKER	TC-1	RB-1	PNT-1	-	-	SEE ELEVATION FOR ACCENT PAINT & VWG-1 / VWG-2 LOCATIONS.
118	WOMENS FLAG FOOTBALL LOCKER	TC-1	RB-1	PNT-1	-	-	SEE ELEVATION FOR ACCENT PAINT & VWG-1 / VWG-2 LOCATIONS.
120	WOMENS BASKETBALL LOCKER	TC-1	RB-1	PNT-1	-	-	SEE ELEVATION FOR ACCENT PAINT & VWG-1 / VWG-2 LOCATIONS.
124	TRAINING ROOM	LVT-1	RB-1	PNT-1	PL-1	SS-1	
126	MENS VISITING LOCKER	TC-1	RB-1	PNT-1	-	-	SEE ELEVATION FOR ACCENT PAINT & VWG-1 LOCATIONS.
128	WOMENS VISITING LOCKER	TC-1	RB-1	PNT-1	-	-	SEE ELEVATION FOR ACCENT PAINT & VWG-1 LOCATIONS.
130	MENS BASKETBALL LOCKER	TC-1	RB-1	PNT-1	-	-	SEE ELEVATION FOR ACCENT PAINT & VWG-1 / VWG-2 LOCATIONS.
132	MENS SOCCER LOCKER	TC-1	RB-1	PNT-1	-	-	SEE ELEVATION FOR ACCENT PAINT & VWG-1 / VWG-2 LOCATIONS.
140	GYMNASIUM	WDF-1	VB-1	PNT-7, PNT-2	-	-	
B104	WEIGHT TRAINING	RF-1, RF-2	RB-2	PNT-1	-	-	SEE ELEVATION FOR ACCENT PAINT & VWG-1 LOCATIONS.
C100	CORRIDOR	LVT-1, LVT-3	RB-2	PNT-1	-	-	
C101	PRIVATE CORRIDOR	LVT-1	RB-2	PNT-1	-	-	
C102	CORRIDOR	LVT-2	RB-2	PNT-1	-	-	
LB100	LOBBY	WOC-1, EXISTING	EXISTING	PNT-1	-	-	SEE ELEVATION FOR MWP-1 LOCATIONS
LB101	LOBBY	LVT-1	RB-2	PNT-1	-	-	
M108	MECHANICAL	SC-1	-	PNT-1	-	-	
M113	MECHANICAL	SC-1	RB-1	PNT-1	-	-	
M140	MECHANICAL	SC-1	RB-1	PNT-1	-	-	
MZ100	MEZZANINE	LVT-1 / LVT-3	RB-2	PNT-1	-	-	
MZ101	SOCIAL ZONE	LVT-2, CPT-2	RB-2	PNT-1	PL-1	SS-1	
MZ102	OFFICE	CPT-3	RB-1	PNT-1	-	-	
MZ103	WORK AREA	LVT-1	RB-2	PNT-1	PL-1	SS-1	
MZ104	OFFICE	CPT-3	RB-1	PNT-1	-	-	
MZ105	OFFICE	CPT-3	RB-1	PNT-1	-	-	
MZ106	CONFERENCE	CPT-2	RB-1	PNT-1	-	-	
MZ107	OFFICE	CPT-3	RB-1	PNT-1	-	-	
MZ108	OFFICE	CPT-3	RB-1	PNT-1	-	-	
MZ110	RESTROOM	HTF-1	HTB-1	HTW-1 / HTW-2	-		
MZ111	AD OFFICE	CPT-3	RB-1	PNT-1	-	-	
MZ113	OFFICE	CPT-3	RB-1	PNT-1	-	-	
MZ115	OFFICE	CPT-3	RB-1	PNT-1	-	-	
R101	MENS RESTROOM	HTF-1	HTB-1	HTW-1 / HTW-2	PL-2	SS-1	
R103	RESTROOM	HTF-1	HTB-1	HTW-1	-	-	
R106	WOMENS RESTROOM	HTF-1	HTB-1	HTW-1 / HTW-2	PL-2	SS-1	
R122	WOMENS LOCKER RESTROOM	EF-1	EB-1	HTW-5 / HTW-3	PL-1	SS-1	
R126	MENS VISITING RESTROOM	EF-1	EB-1	HTW-5 / HTW-3	PL-1	SS-1	
R128	WOMENS VISITING RESTROOM	EF-1	EB-1	HTW-5 / HTW-3	PL-1	SS-1	
R130	MENS LOCKER RESTROOM	EF-1	EB-1	HTW-5 / HTW-3	PL-1	SS-1	
SR101	STORAGE	LVT-1	RB-1	PNT-1	PL-1	SS-1	
SR102	STORAGE	LVT-1	RB-1	PNT-1	-	-	
SR103	STORAGE	LVT-1	RB-1	PNT-1	-	-	
SR104	STORAGE	LVT-1	RB-1	PNT-1	-	-	
SR109	STORAGE	CPT-1	RB-1	PNT-1	-	-	
SR130	SPORTS STORAGE	EF-1	EB-1	PNT-1	-	-	
SR140	STORAGE	SC-1	RB-1	PNT-1	-	-	
SR141	STORAGE	SC-1	RB-1	PNT-1	-	-	
V101	VESTIBULE	LVT-1	RB-2	PNT-1	-	-	
V103	VESTIBULE	EXISTING	EXISTING	PNT-1	-	-	SEE ELEVATION FOR MWP-1 LOCATIONS



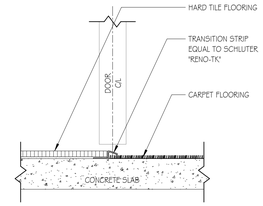
H7 **09- CONCRETE TO WOOD**
SCALE: 3" = 1'-0"



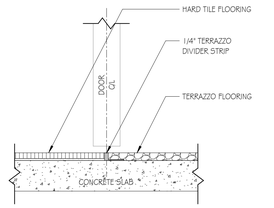
H10 **09- EPOXY TO 5MM RESILIENT**
SCALE: 3" = 1'-0"



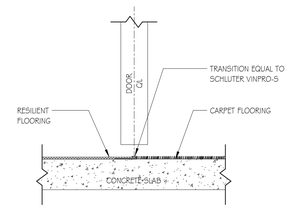
G7 **09- HARD TILE TO 5MM RESILIENT**
SCALE: 3" = 1'-0"



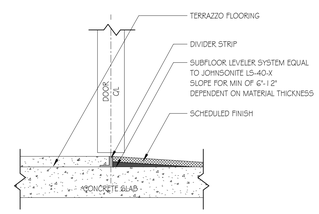
G10 **09- HARD TILE TO CARPET**
SCALE: 3" = 1'-0"



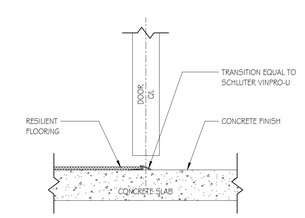
D7 **09- HARD TILE TO TERRAZZO**
SCALE: 3" = 1'-0"



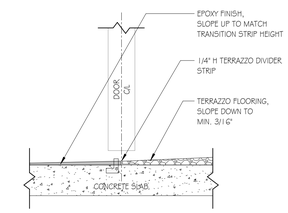
D10 **09- RESILIENT TO CARPET - METAL**
SCALE: 3" = 1'-0"



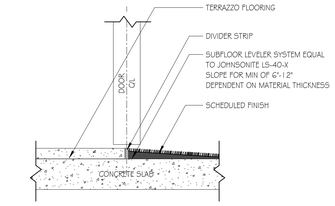
C7 **09- TERRAZZO TO RESILIENT**
SCALE: 3" = 1'-0"



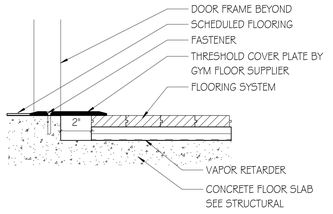
C10 **09- RESILIENT TO CONCRETE - METAL**
SCALE: 3" = 1'-0"



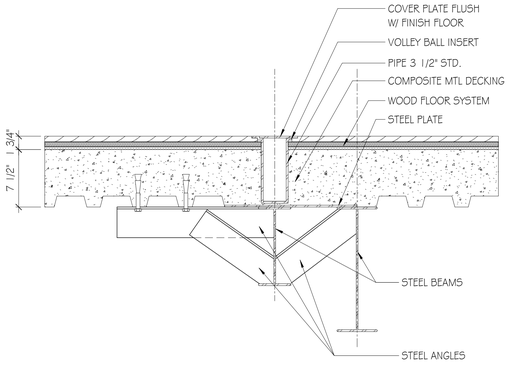
A7 **EPOXY TO TERRAZZO**
SCALE: 3" = 1'-0"



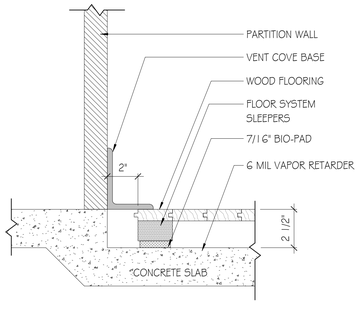
A10 **09- TERRAZZO TO CARPET**
SCALE: 3" = 1'-0"



C5 **WDF TO LVT/SC/PC**
SCALE: 3" = 1'-0"



A1 **VOLLEYBALL POLE INSERT @ GYM WOOD FLOOR**
SCALE: 11/2" = 1'-0"



A5 **COVE BASE @ GYM WOOD FLOOR**
SCALE: 3" = 1'-0"

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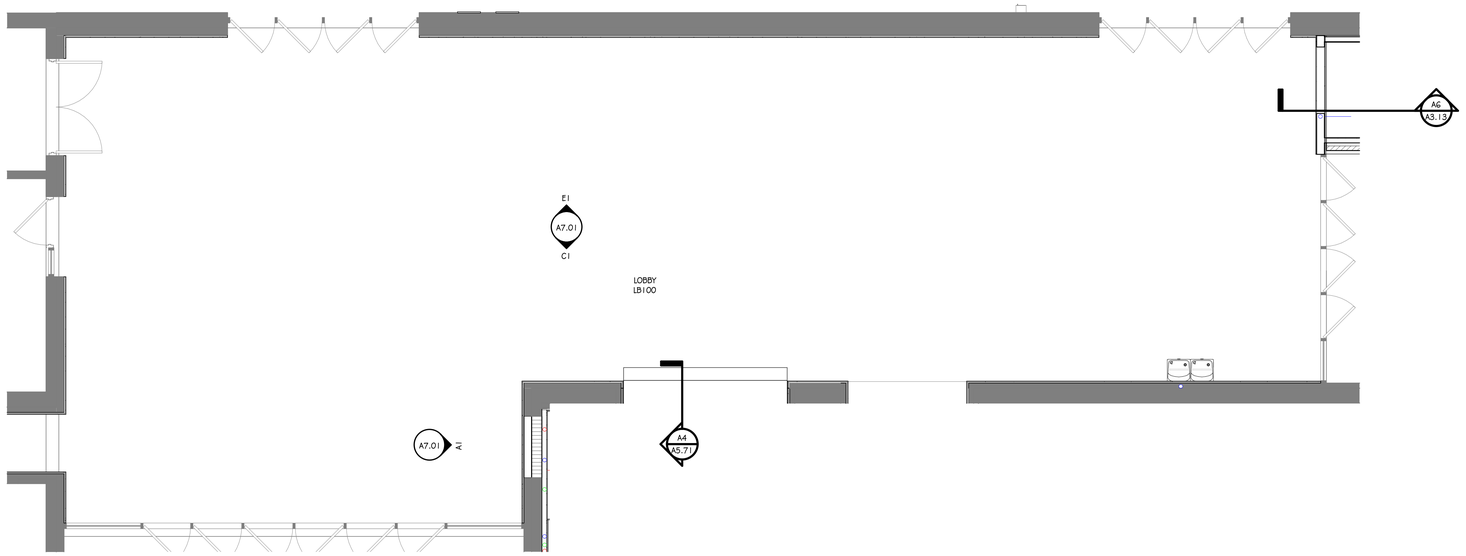
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STATE OF ALABAMA
PATRICK SWATEK
8969
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FINISH SCHEDULE

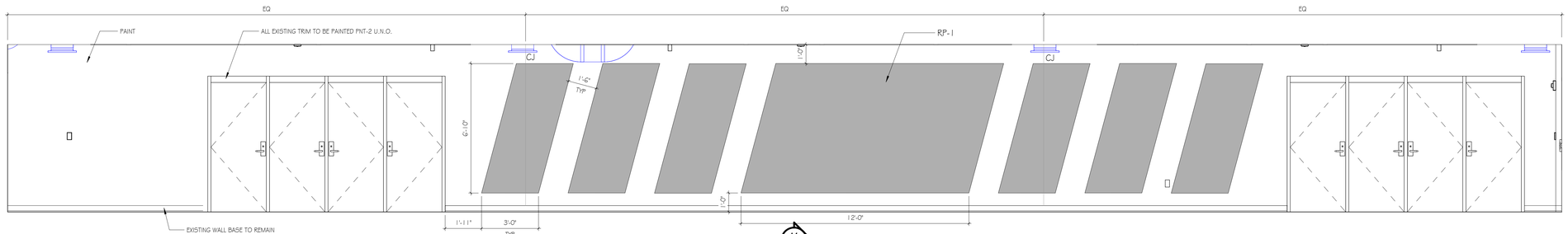
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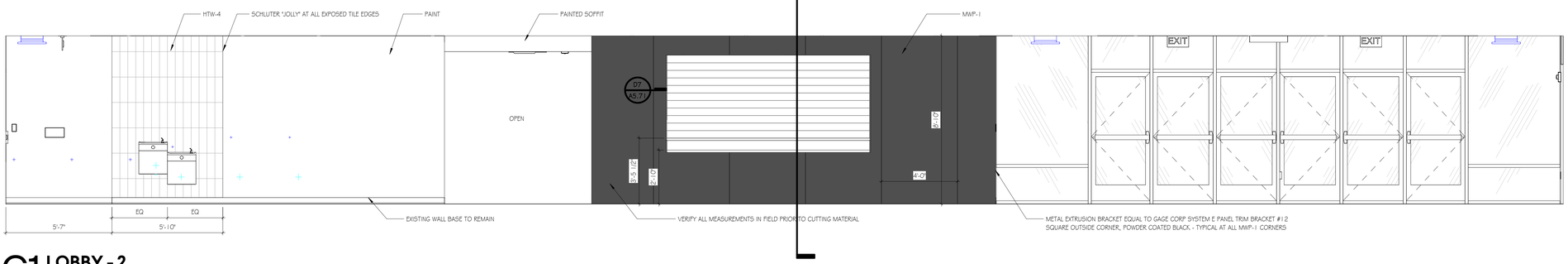


SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	COMMENTS
S2	DRYER	CFCI
S3	WASHER	CFCI
S4	COMPACT REFRIGERATOR	OFCI
S5	96 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
S6	60 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
S7	REFRIGERATOR/FREEZER - SIDE BY SIDE	OFCI
S9	COPY MACHINE - COORDINATE ELEC & DATA	OFCI
S10	LOCKER 1 - MVP II STORAGE LOCKER - SEE FINISH LEGEND	CFCI
S11	LOCKER 2 - 2 TIER HEAVY DUTY LOCKER - SEE FINISH LEGEND	CFCI
S12	ADA LOCKER ROOM BENCH W/ BACK SUPPORT	CFCI
S13	7' LONG LOCKER ROOM BENCH	CFCI
S14	MARKER BOARD - 8'-0"W X 4'-0"H	CFCI
S15	MARKER BOARD - 10'-0"W X 4'-0"H	CFCI
S17	MARKER BOARD - 4'-0"W X 4'-0"H	CFCI
S19	ADA COMPLIANT ICE MAKER	CFCI
S20	GYM WALL PAD - 24"W X 72"H	CFCI
S21	COMMERCIAL WASHER	CFCI
S22	COMMERCIAL DRYER	CFCI
S23	UTILITY SHELVING - METAL - 36"W X 18"D X 84"H	CFCI

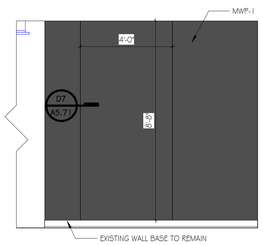
G1 LOBBY - PLAN
SCALE: 1/4" = 1'-0"



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



C1 LOBBY - 2
SCALE: 3/8" = 1'-0"



A1 LOBBY - 3
SCALE: 3/8" = 1'-0"

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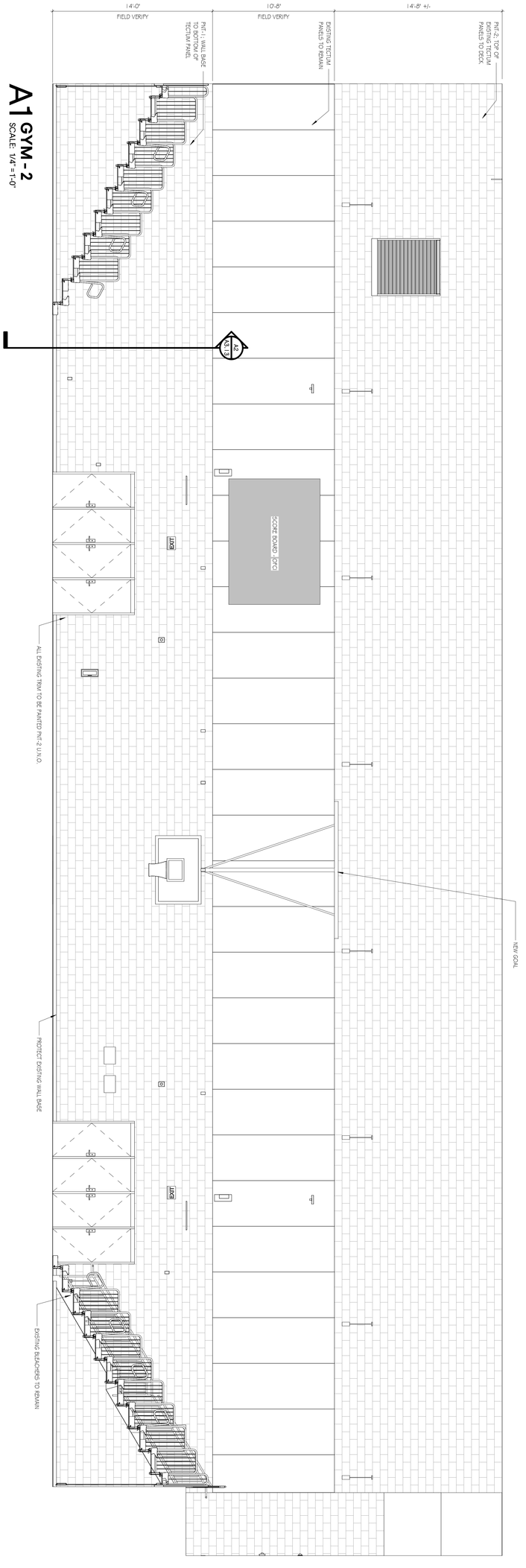
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INTERIOR ELEVATIONS - LOBBY

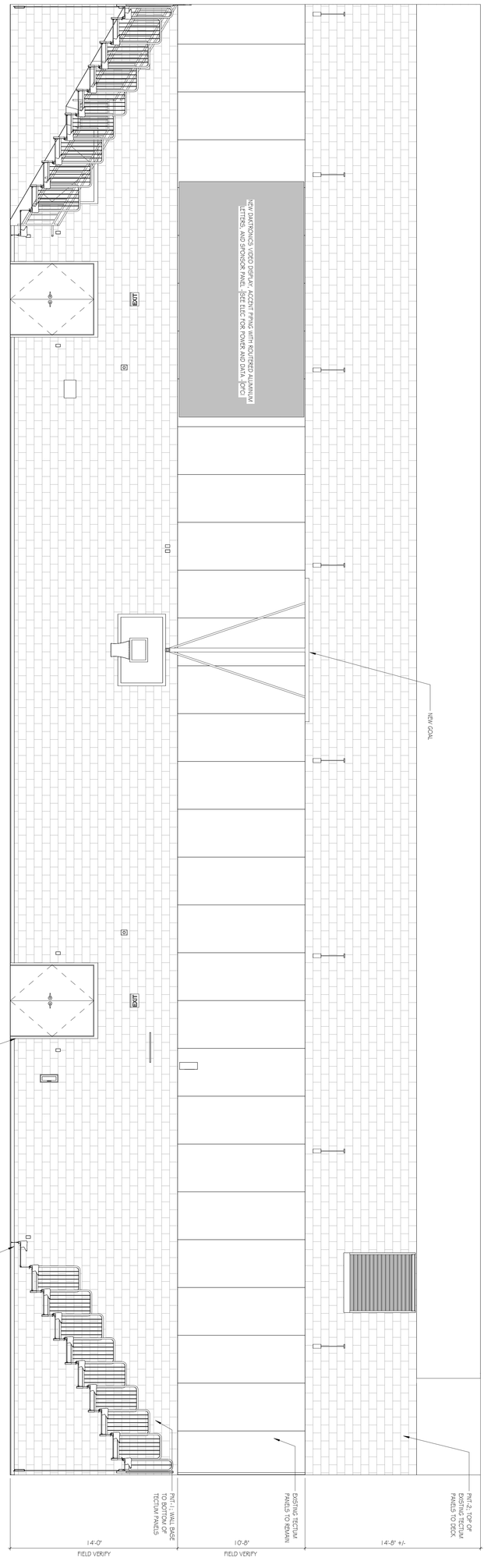
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A1 GYM - 2
SCALE: 1/4" = 1'-0"



F2 GYM - 1
SCALE: 1/4" = 1'-0"



INTERIOR ELEVATIONS - MAIN GYM

A7.02

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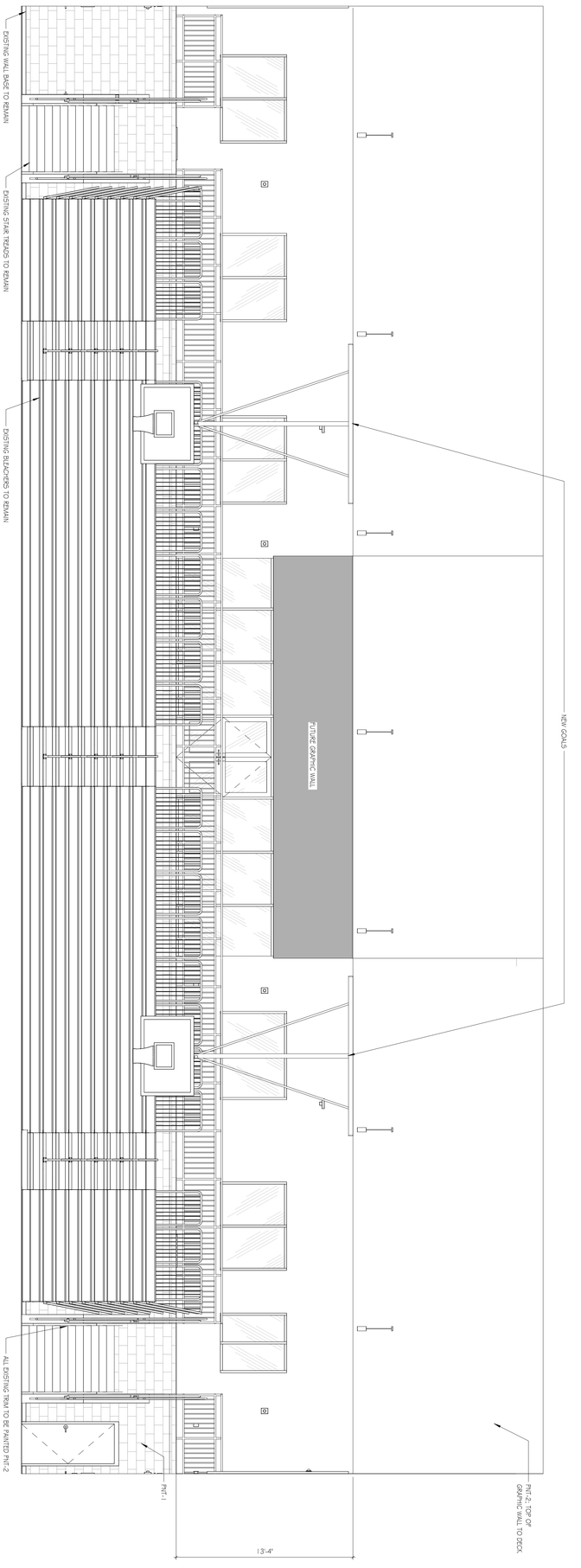
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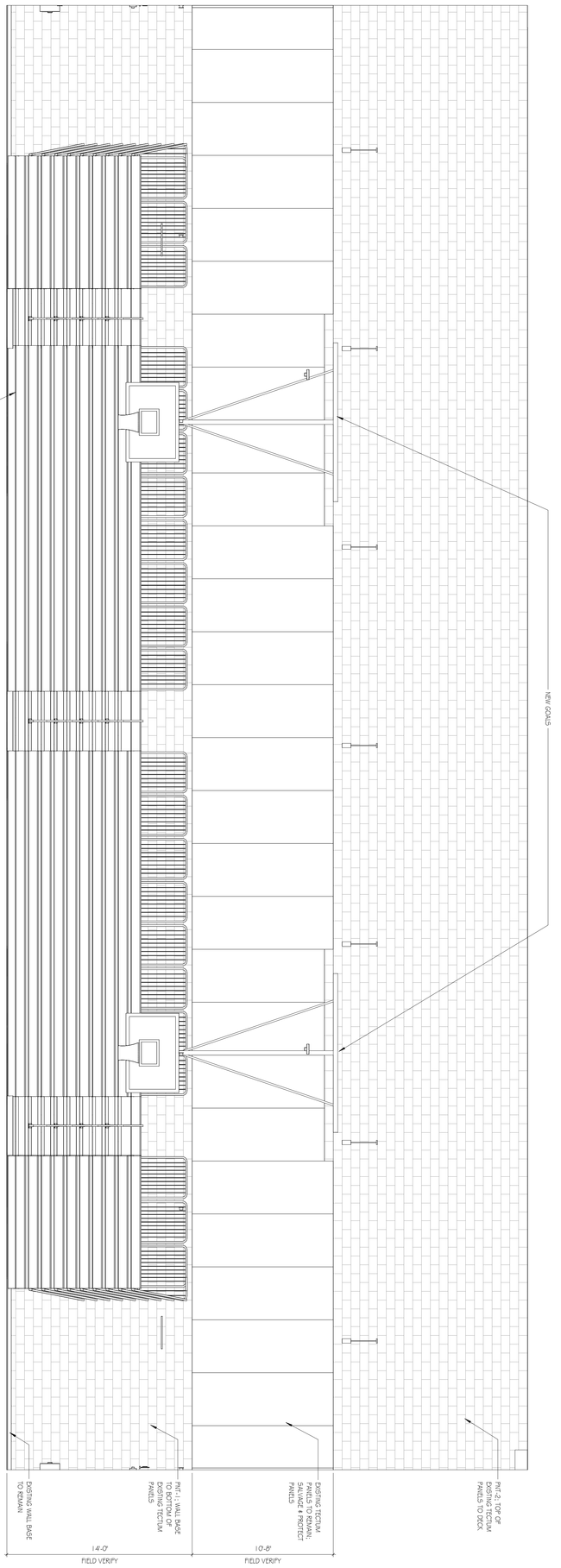
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F2 GYM - 3
SCALE: 1/4" = 1'-0"



A2 GYM - 4
SCALE: 1/4" = 1'-0"



INTERIOR ELEVATIONS - MAIN GYM

A7.03

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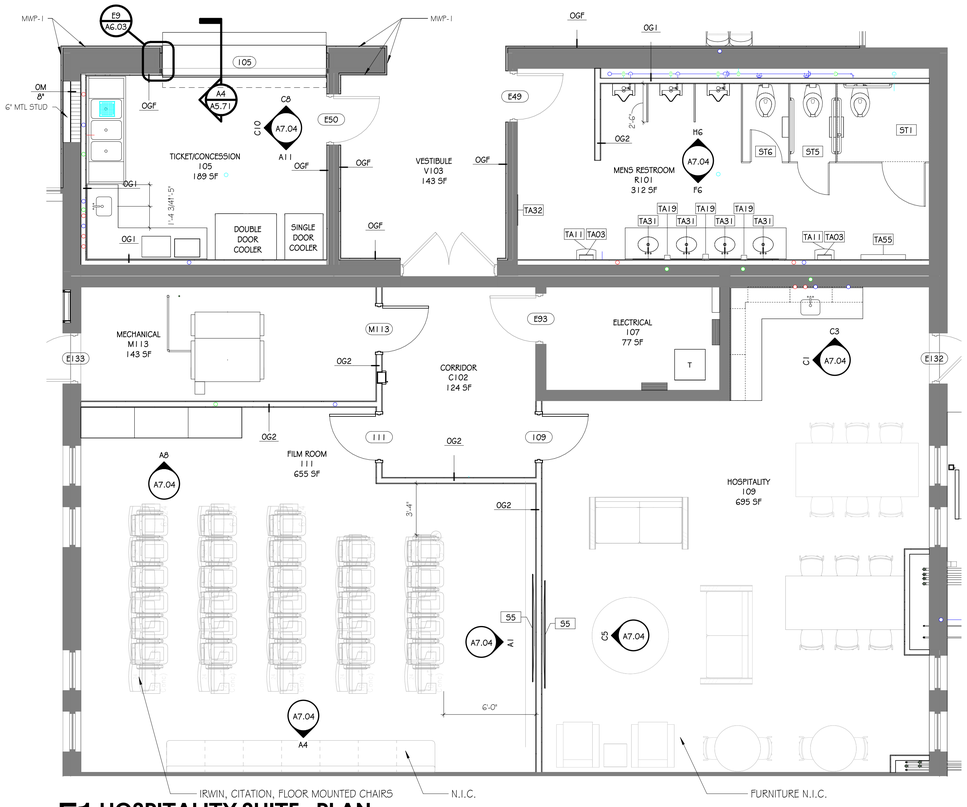
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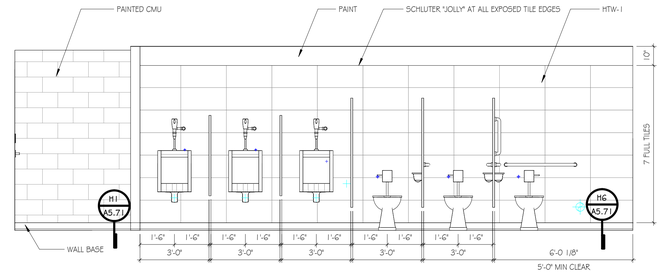
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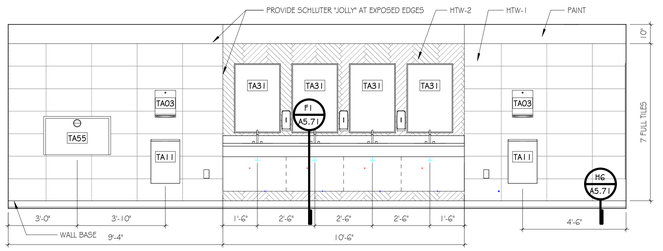
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F1 HOSPITALITY SUITE - PLAN
SCALE: 1/4" = 1'-0"



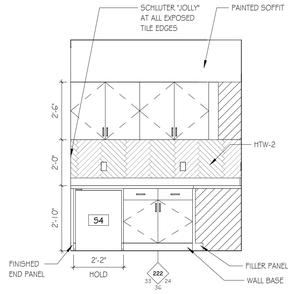
H6 MENS TOILET - 1
SCALE: 3/8" = 1'-0"



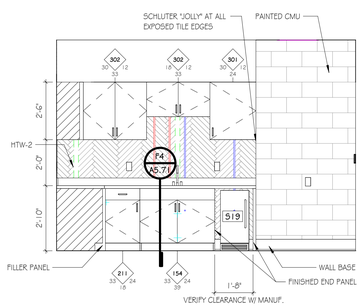
F6 MENS TOILET - 2
SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES SCHEDULE		
TAG	DESCRIPTION	COMMENTS
TA01	TOILET TISSUE DISP - DBL. STD. ROLL W/SHELF	OFCI
TA03	PAPER TOWEL DISPENSER (FOLDED, HIGH-CAPACITY)	OFCI
TA11	WASTE RECEPTACLE, SURFACE MOUNT, LARGE	OFCI
TA19	SOAP DISP - LIQUID, MANUAL	OFCI
TA23	18" VERTICAL GRAB BAR	OFCI
TA24	36" HORIZONTAL GRAB BAR	OFCI
TA25	42" HORIZONTAL GRAB BAR	OFCI
TA26	ROBE HOOK (ADA FRONT APPROACH)	OFCI
TA29	SANITARY NAPKIN DISPOSAL	OFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	OFCI
TA32	MIRROR, CHANNEL FRAMED (24 x 60 INCHES)	OFCI
TA33	HEAVY DUTY SHOWER ROD	OFCI
TA35	VINYL SHOWER CURTAIN	OFCI
TA36	SHOWER SEAT - FOLDING, L-SHAPED	OFCI
TA55	DIAPER CHANGING STATION, SURFACE-MOUNT	OFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	OFCI

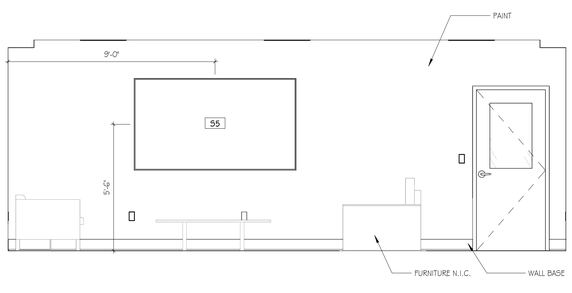
SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	COMMENTS
52	DRYER	OFCI
53	WASHER	OFCI
54	COMPACT REFRIGERATOR	OFCI
55	96 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
56	60 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
57	REFRIGERATOR/FREEZER - SIDE BY SIDE	OFCI
59	COPY MACHINE - COORDINATE ELEC & DATA	OFCI
510	LOCKER 1 - MVP II STORAGE LOCKER - SEE FINISH LEGEND	OFCI
511	LOCKER 2 - 2 TIER HEAVY DUTY LOCKER - SEE FINISH LEGEND	OFCI
512	ADA LOCKER ROOM BENCH W/ BACK SUPPORT	OFCI
513	7' LONG LOCKER ROOM BENCH	OFCI
514	MARKER BOARD - 8'-0"W X 4'-0"H	OFCI
515	MARKER BOARD - 10'-0"W X 4'-0"H	OFCI
517	MARKER BOARD - 4'-0"W X 4'-0"H	OFCI
519	ADA COMPLIANT ICE MAKER	OFCI
520	GYM WALL PAD - 24"W X 72"H	OFCI
521	COMMERCIAL WASHER	OFCI
522	COMMERCIAL DRYER	OFCI
523	UTILITY SHELVING - METAL - 36"W X 18"D X 84"H	OFCI



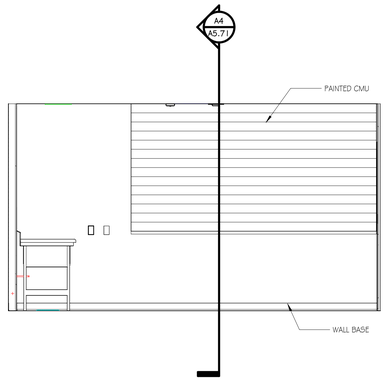
C1 HOSPITALITY - 1
SCALE: 3/8" = 1'-0"



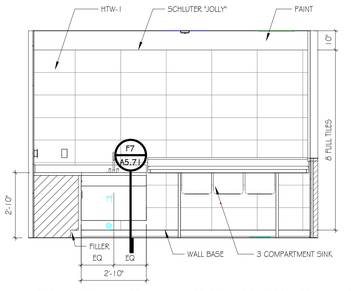
C3 HOSPITALITY - 2
SCALE: 3/8" = 1'-0"



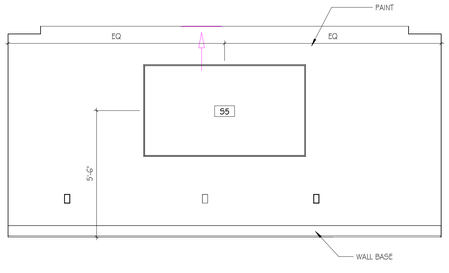
C5 HOSPITALITY - 3
SCALE: 3/8" = 1'-0"



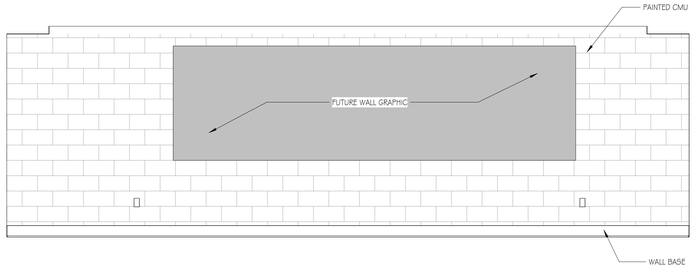
C8 TICKET/CONCESSION - 1
SCALE: 3/8" = 1'-0"



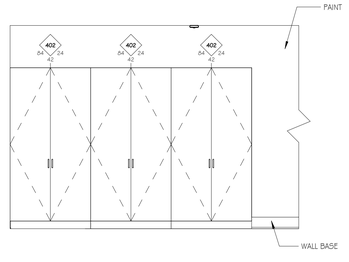
C10 TICKET/CONCESSION - 2
SCALE: 3/8" = 1'-0"



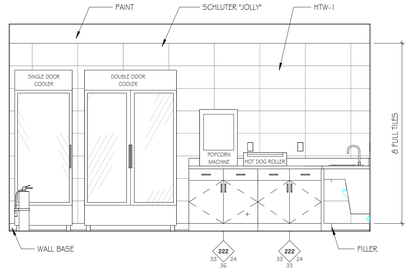
A1 FILM ROOM - 1
SCALE: 3/8" = 1'-0"



A4 FILM ROOM - 2
SCALE: 3/8" = 1'-0"



A8 FILM ROOM - 3
SCALE: 3/8" = 1'-0"



A11 TICKET/CONCESSION - 3
SCALE: 3/8" = 1'-0"

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ISSUE DATE
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ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

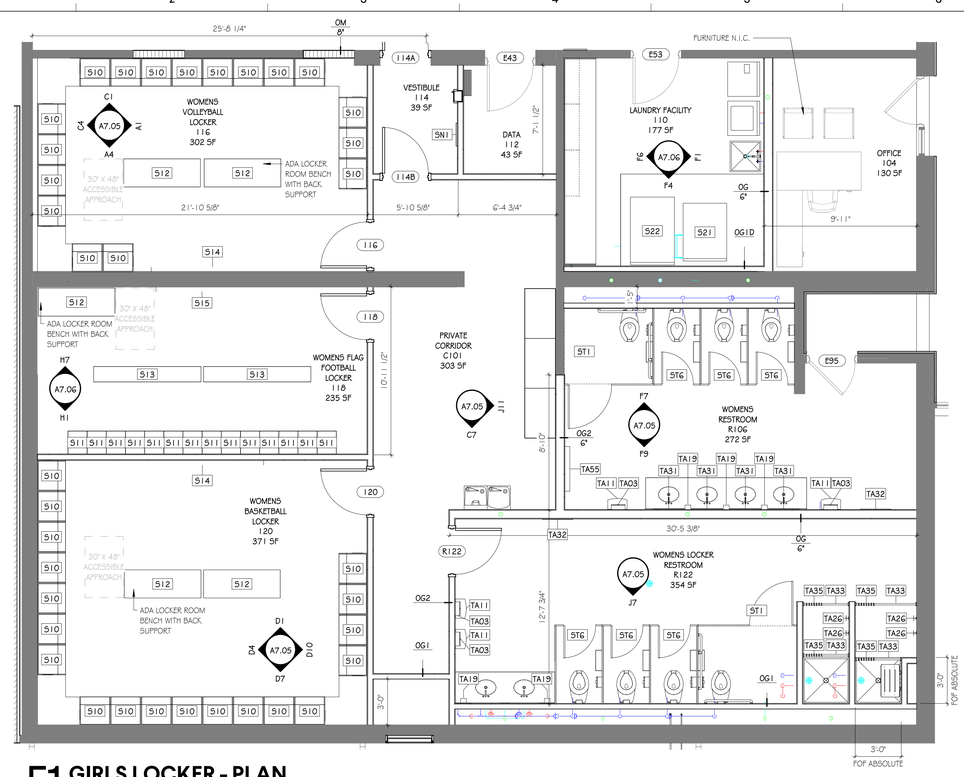
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GMC ABHM250051

STATE OF ALABAMA
PATRICK SWATEK
8969
REGISTERED ARCHITECT

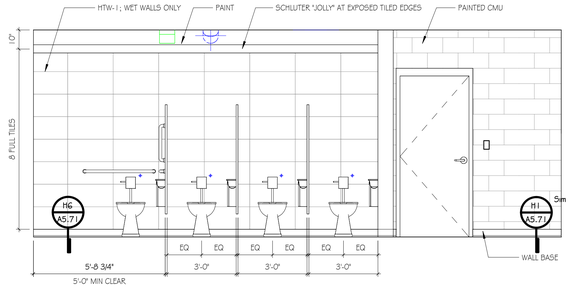
INTERIOR ELEVATIONS - HOSPITALITY, MENS RR, CONCESSIONS, FILM

A7.04

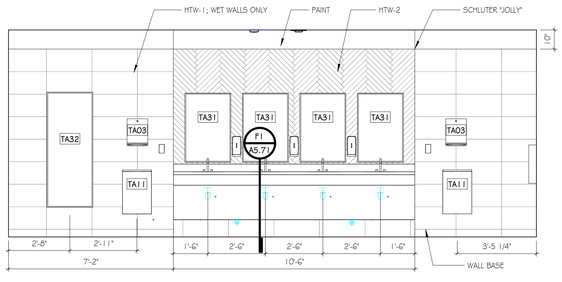
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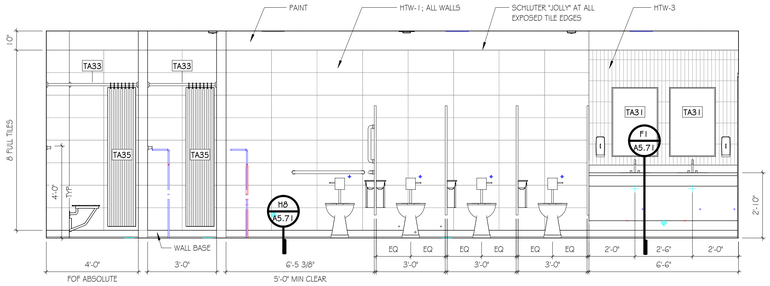
F1 GIRLS LOCKER - PLAN
SCALE: 1/4" = 1'-0"



F7 WOMENS RESTROOM - 1
SCALE: 3/8" = 1'-0"

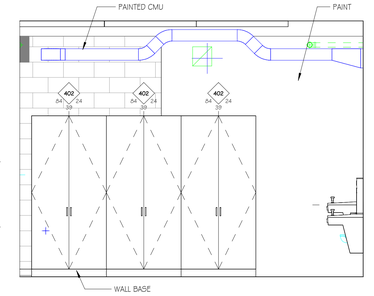


F9 WOMENS RESTROOM - 2
SCALE: 3/8" = 1'-0"

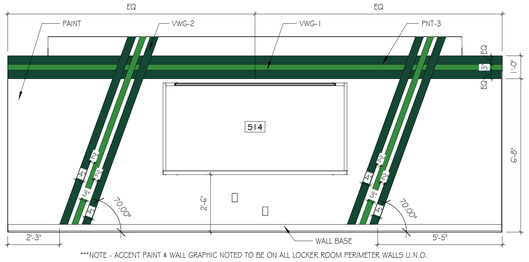


***NOTE - AT ALL NEW PLUMBING LOCATIONS, CONTRACTOR SHALL VERIFY THE LOCATION OF ALL PRECAST DOUBLE TEE STRUCTURAL ELEMENTS, PRESTRESSING, AND REINFORCING PRIOR TO ANY DRILLING, CORING, OR PENETRATION. ANY REQUIRED ADJUSTMENTS TO BE COORDINATED WITH THE ARCHITECT AND ENGINEERING CONSULTANTS PRIOR TO PROCEEDING.

J7 WOMENS LOCKER RR-1
SCALE: 3/8" = 1'-0"

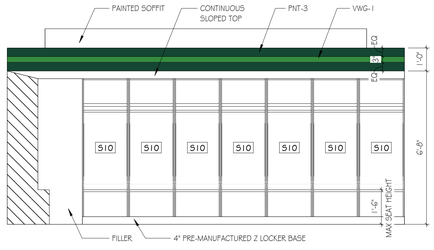


J11 COORIDOR STORAGE
SCALE: 3/8" = 1'-0"

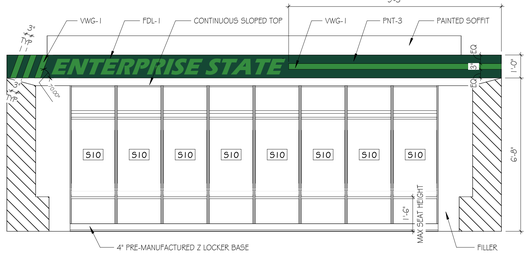


***NOTE - ACCENT PAINT 4 WALL GRAPHIC NOTED TO BE ON ALL LOCKER ROOM PERIMETER WALLS U.N.O.

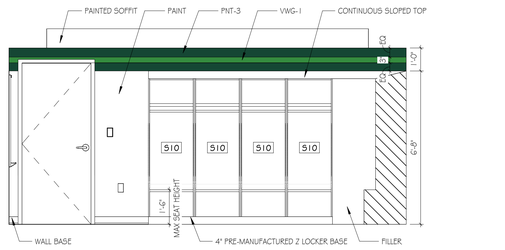
D1 WOMENS BASKETBALL LOCKER - 1
SCALE: 3/8" = 1'-0"



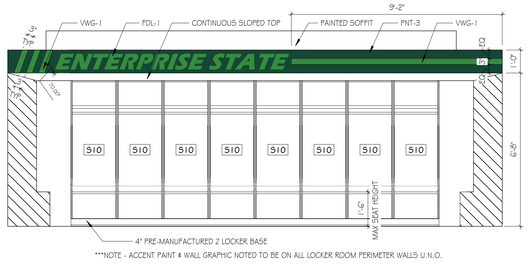
D4 WOMENS BASKETBALL LOCKER - 2
SCALE: 3/8" = 1'-0"



D7 WOMENS BASKETBALL LOCKER - 3
SCALE: 3/8" = 1'-0"

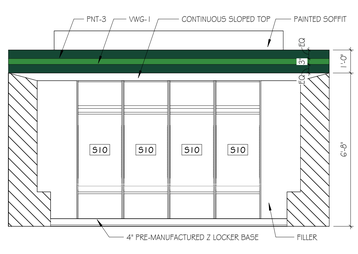


D10 WOMENS BASKETBALL LOCKER - 4
SCALE: 3/8" = 1'-0"

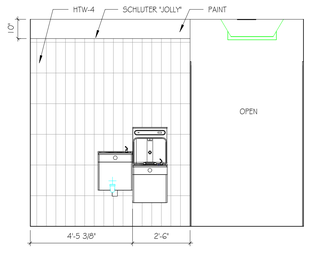


***NOTE - ACCENT PAINT 4 WALL GRAPHIC NOTED TO BE ON ALL LOCKER ROOM PERIMETER WALLS U.N.O.

C1 WOMENS VOLLEYBALL LOCKER -1
SCALE: 3/8" = 1'-0"

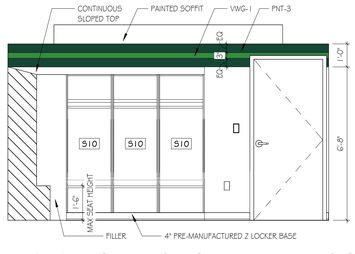


C4 WOMENS VOLLEYBALL LOCKER - 2
SCALE: 3/8" = 1'-0"

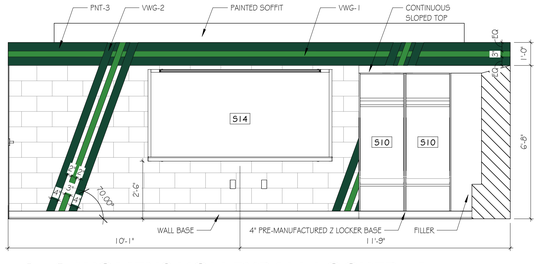


C7 CORRIDOR WATER COOLER
SCALE: 3/8" = 1'-0"

SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	COMMENTS
52	DRYER	CFCI
53	WASHER	CFCI
54	COMPACT REFRIGERATOR	OFCI
55	96 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
56	60 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
57	REFRIGERATOR/FREEZER - SIDE BY SIDE	OFCI
59	COPY MACHINE - COORDINATE ELEC & DATA	OFCI
510	LOCKER 1 - MVP II STORAGE LOCKER - SEE FINISH LEGEND	CFCI
511	LOCKER 2 - 2 TIER HEAVY DUTY LOCKER - SEE FINISH LEGEND	CFCI
512	ADA LOCKER ROOM BENCH W/ BACK SUPPORT	CFCI
513	7' LONG LOCKER ROOM BENCH	CFCI
514	MARKER BOARD - 8'-0"W X 4'-0"H	CFCI
515	MARKER BOARD - 10'-0"W X 4'-0"H	CFCI
517	MARKER BOARD - 4'-0"W X 4'-0"H	CFCI
519	ADA COMPLIANT ICE MAKER	CFCI
520	GYM WALL PAD - 24"W X 72"H	CFCI
521	COMMERCIAL WASHER	CFCI
522	COMMERCIAL DRYER	CFCI
523	UTILITY SHELVING - METAL - 36"W X 18"D X 84"H	CFCI



A1 WOMENS VOLLEYBALL LOCKER - 3
SCALE: 3/8" = 1'-0"



A4 WOMENS VOLLEYBALL LOCKER - 4
SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES SCHEDULE		
TAG	DESCRIPTION	COMMENTS
TA01	TOILET TISSUE DISP - DBL. STD. ROLL W/SHELF	OFCI
TA03	PAPER TOWEL DISPENSER (FOLDED, HIGH-CAPACITY)	CFCI
TA11	WASTE RECEPTACLE, SURFACE MOUNT, LARGE	CFCI
TA19	SOAP DISP - LIQUID, MANUAL	CFCI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA26	ROBE HOOK (ADA FRONT APPROACH)	CFCI
TA29	SANITARY NAPKIN DISPOSAL	CFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	CFCI
TA32	MIRROR, CHANNEL FRAMED (24 x 60 INCHES)	CFCI
TA33	HEAVY DUTY SHOWER ROD	CFCI
TA35	VINYL SHOWER CURTAIN	CFCI
TA36	SHOWER SEAT - FOLDING, L-SHAPED	CFCI
TA55	DIAPER CHANGING STATION, SURFACE-MOUNT	CFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI

GMC

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T 205.879.4462
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ISSUE DATE
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ESCC LOLLEY GYM RENOVATION
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ENTERPRISE, AL 36330

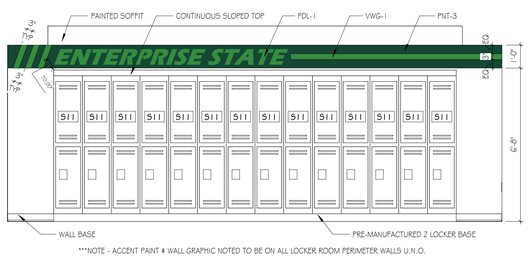
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GMC ABHM250051

STATE OF ALABAMA
PATRICK SWATEK
8969
REGISTERED ARCHITECT

INTERIOR ELEVATIONS - WOMENS LOCKER & RR

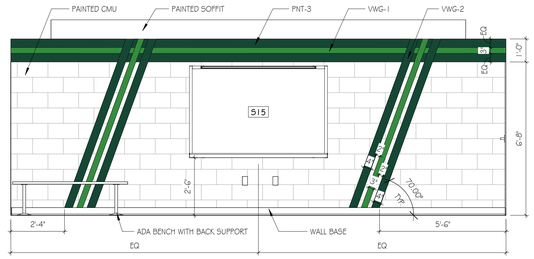
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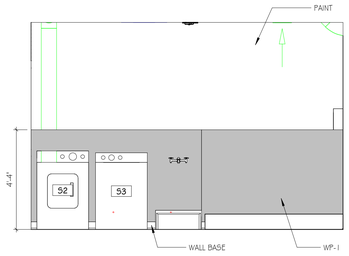


***NOTE - ACCENT PAINT & WALL GRAPHIC NOTED TO BE ON ALL LOCKER ROOM PERIMETER WALLS U.N.O.

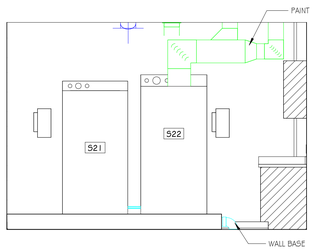
H1 GIRLS FLAG FOOTBALL - 1
SCALE: 3/8" = 1'-0"



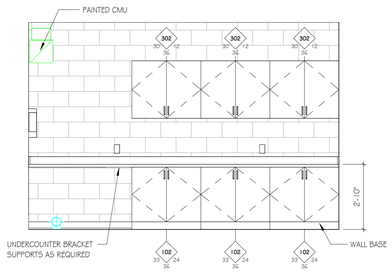
H7 GIRLS FLAG FOOTBALL - 2
SCALE: 3/8" = 1'-0"



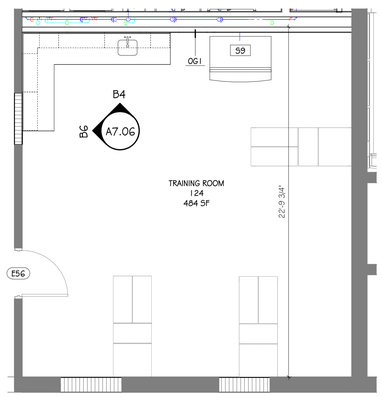
F1 LAUNDRY - 1
SCALE: 3/8" = 1'-0"



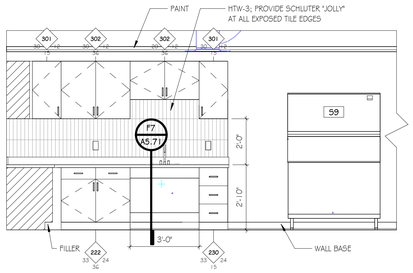
F4 LAUNDRY - 2
SCALE: 3/8" = 1'-0"



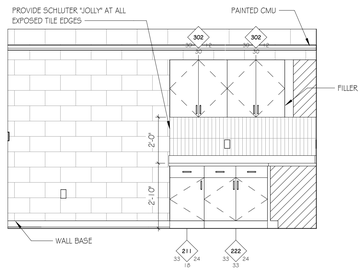
F6 LAUNDRY - 3
SCALE: 3/8" = 1'-0"



B1 TRAINING ROOM - PLAN
SCALE: 1/4" = 1'-0"



B4 TRAINING ROOM - 1
SCALE: 3/8" = 1'-0"



B6 TRAINING ROOM - 2
SCALE: 3/8" = 1'-0"

SPECIALTY EQUIPMENT SCHEDULE

TAG	DESCRIPTION	COMMENTS
52	DRYER	CFCI
53	WASHER	CFCI
54	COMPACT REFRIGERATOR	OFCI
55	96 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
56	60 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
57	REFRIGERATOR/FREEZER - SIDE BY SIDE	OFCI
59	COPY MACHINE - COORDINATE ELEC & DATA	OFCI
510	LOCKER 1 - MVP II STORAGE LOCKER - SEE FINISH LEGEND	CFCI
511	LOCKER 2 - 2 TIER HEAVY DUTY LOCKER - SEE FINISH LEGEND	CFCI
512	ADA LOCKER ROOM BENCH W/ BACK SUPPORT	CFCI
513	7' LONG LOCKER ROOM BENCH	CFCI
514	MARKER BOARD - 8'-0"W X 4'-0"H	CFCI
515	MARKER BOARD - 10'-0"W X 4'-0"H	CFCI
517	MARKER BOARD - 4'-0"W X 4'-0"H	CFCI
519	ADA COMPLIANT ICE MAKER	CFCI
520	GYM WALL PAD - 24"W X 72"H	CFCI
521	COMMERCIAL WASHER	CFCI
522	COMMERCIAL DRYER	CFCI
523	UTILITY SHELVING - METAL - 36"W X 18"D X 84"H	CFCI

TOILET ACCESSORIES SCHEDULE

TAG	DESCRIPTION	COMMENTS
TA01	TOILET TISSUE DISP - DBL. STD. ROLL W/SHELF	OFCI
TA03	PAPER TOWEL DISPENSER (FOLDED, HIGH-CAPACITY)	CFCI
TA11	WASTE RECEPTACLE, SURFACE MOUNT, LARGE	CFCI
TA19	SOAP DISP - LIQUID, MANUAL	CFCI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA26	ROBE HOOK (ADA FRONT APPROACH)	CFCI
TA29	SANITARY NAPKIN DISPOSAL	CFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	CFCI
TA32	MIRROR, CHANNEL FRAMED (24 x 60 INCHES)	CFCI
TA33	HEAVY DUTY SHOWER ROD	CFCI
TA35	VINYL SHOWER CURTAIN	CFCI
TA36	SHOWER SEAT - FOLDING, L-SHAPED	CFCI
TA55	DIAPER CHANGING STATION, SURFACE-MOUNT	CFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI

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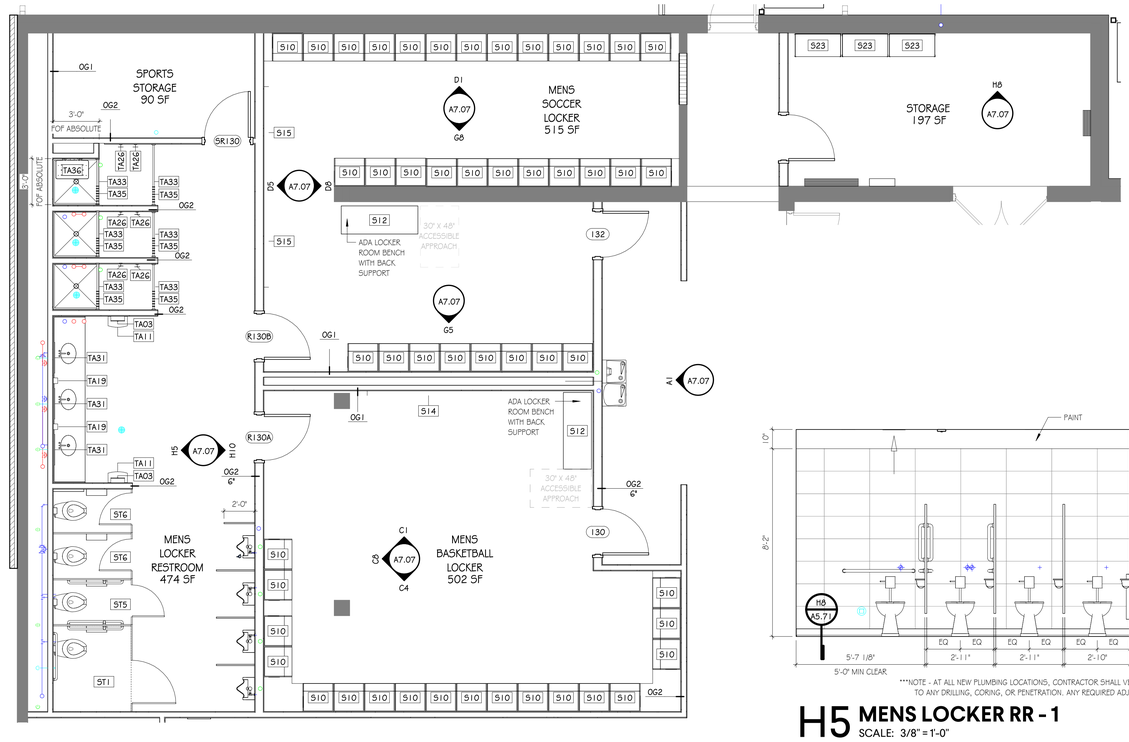
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GMC ABHM250051

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REGISTERED ARCHITECT

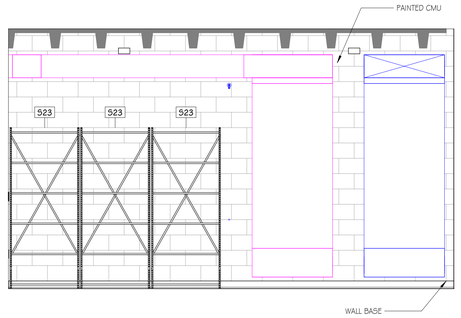
INTERIOR ELEVATIONS - FF LOCKER, LAUNDRY, TRAINING

A7.06

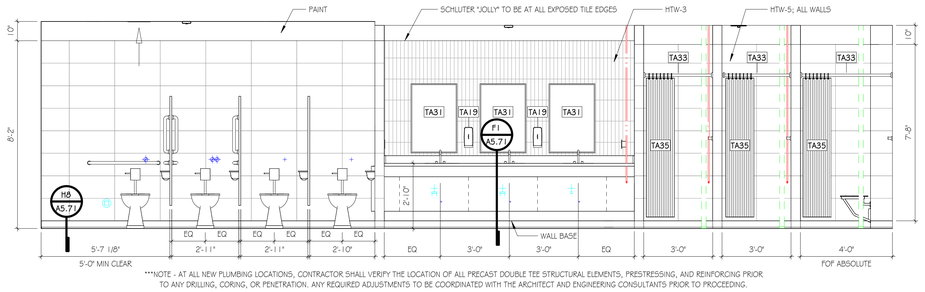
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F1 MENS LOCKER ROOMS - PLAN
SCALE: 1/4" = 1'-0"



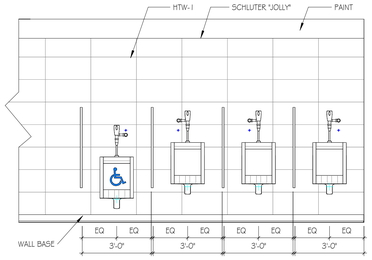
H8 STORAGE - 1
SCALE: 3/8" = 1'-0"



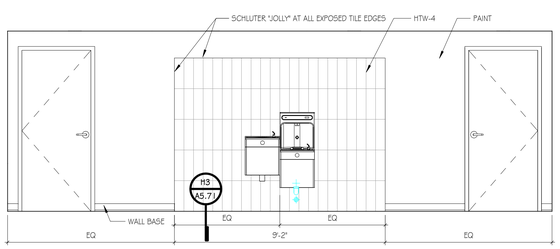
H5 MENS LOCKER RR - 1
SCALE: 3/8" = 1'-0"

SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	COMMENTS
52	DRYER	CFCI
53	WASHER	CFCI
54	COMPACT REFRIGERATOR	OFCI
55	96 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
56	60 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
57	REFRIGERATOR/FREEZER - SIDE BY SIDE	OFCI
59	COPY MACHINE - COORDINATE ELEC & DATA	OFCI
510	LOCKER 1 - MVP II STORAGE LOCKER - SEE FINISH LEGEND	CFCI
511	LOCKER 2 - 2 TIER HEAVY DUTY LOCKER - SEE FINISH LEGEND	CFCI
512	ADA LOCKER ROOM BENCH W/ BACK SUPPORT	CFCI
513	7' LONG LOCKER ROOM BENCH	CFCI
514	MARKER BOARD - 8'-0"W X 4'-0"H	CFCI
515	MARKER BOARD - 10'-0"W X 4'-0"H	CFCI
517	MARKER BOARD - 4'-0"W X 4'-0"H	CFCI
519	ADA COMPLIANT ICE MAKER	CFCI
520	GYM WALL PAD - 24"W X 72"H	CFCI
521	COMMERCIAL WASHER	CFCI
522	COMMERCIAL DRYER	CFCI
523	UTILITY SHELVING - METAL - 36"W X 18"D X 84"H	CFCI

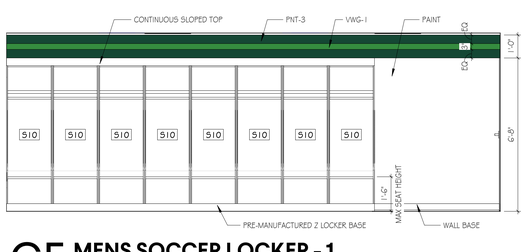
TOILET ACCESSORIES SCHEDULE		
TAG	DESCRIPTION	COMMENTS
TA01	TOILET TISSUE DISP - DBL. STD. ROLL W/SHELF	OFCI
TA03	PAPER TOWEL DISPENSER (FOLDED, HIGH-CAPACITY)	CFCI
TA11	WASTE RECEPTACLE, SURFACE MOUNT, LARGE	CFCI
TA19	SOAP DISP - LIQUID, MANUAL	CFCI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA26	ROBE HOOK (ADA FRONT APPROACH)	CFCI
TA29	SANITARY NAPKIN DISPOSAL	CFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	CFCI
TA32	MIRROR, CHANNEL FRAMED (24 x 60 INCHES)	CFCI
TA33	HEAVY DUTY SHOWER ROD	CFCI
TA35	VINYL SHOWER CURTAIN	CFCI
TA36	SHOWER SEAT - FOLDING, L-SHAPED	CFCI
TA55	DIAPER CHANGING STATION, SURFACE-MOUNT	CFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI



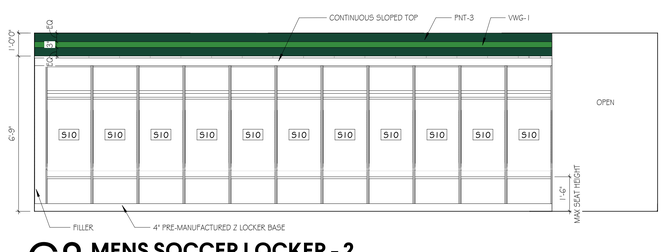
H10 MENS LOCKER RR - 2
SCALE: 3/8" = 1'-0"



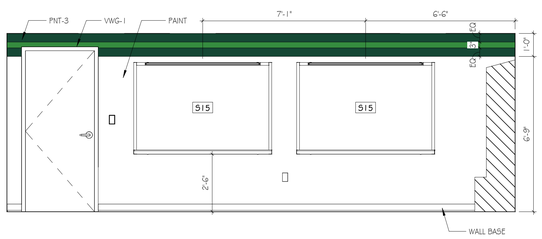
A1 WATER COOLER - 1
SCALE: 3/8" = 1'-0"



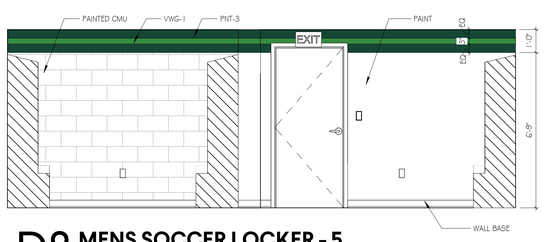
G5 MENS SOCCER LOCKER - 1
SCALE: 3/8" = 1'-0"



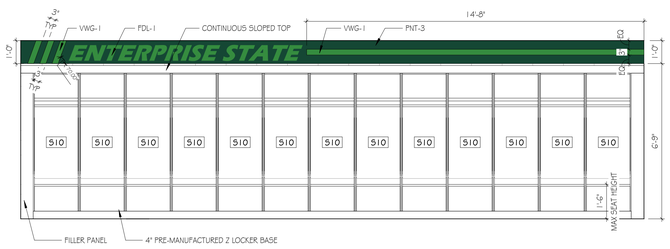
G8 MENS SOCCER LOCKER - 2
SCALE: 3/8" = 1'-0"



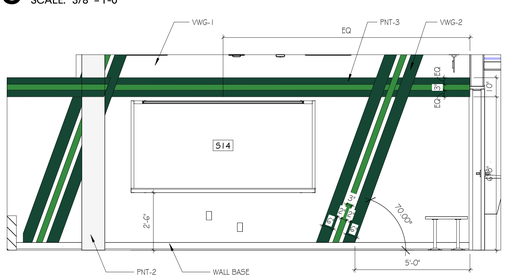
D5 MENS SOCCER LOCKER - 4
SCALE: 3/8" = 1'-0"



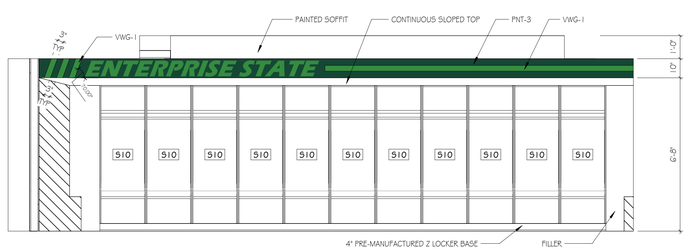
D8 MENS SOCCER LOCKER - 5
SCALE: 3/8" = 1'-0"



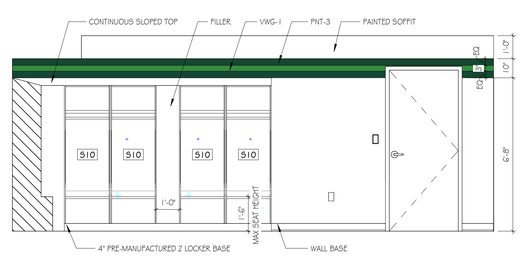
D1 MENS SOCCER LOCKER - 3
SCALE: 3/8" = 1'-0"



C1 MENS BASKETBALL LOCKER - 1
SCALE: 3/8" = 1'-0"



C4 MENS BASKETBALL LOCKER - 2
SCALE: 3/8" = 1'-0"



C8 MENS BASKETBALL LOCKER - 3
SCALE: 3/8" = 1'-0"

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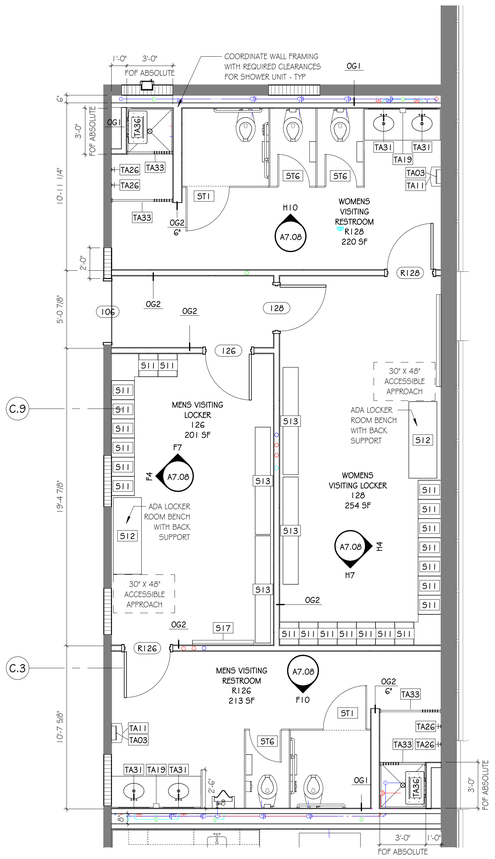
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8969
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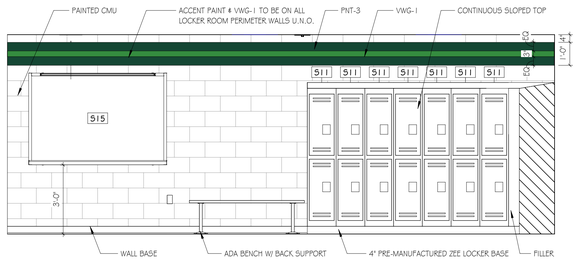
INTERIOR ELEVATIONS - MENS LOCKER

A7.07

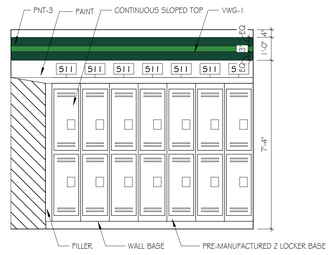
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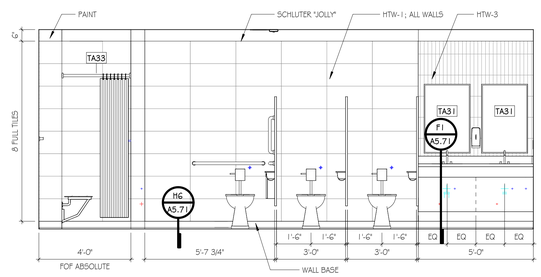
E1 VISITING LOCKER ROOMS - PLAN
SCALE: 1/4" = 1'-0"



H4 GIRLS VISITING LOCKER - 1
SCALE: 3/8" = 1'-0"

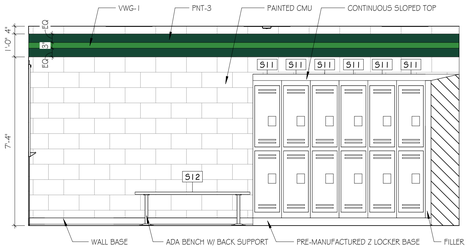


H7 GIRLS VISITING LOCKER - 2
SCALE: 3/8" = 1'-0"

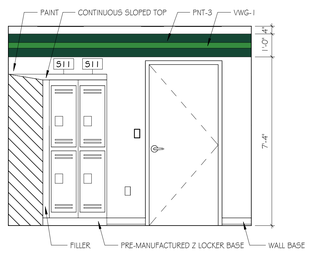


***NOTE - AT ALL NEW PLUMBING LOCATIONS, CONTRACTOR SHALL VERIFY THE LOCATION OF ALL PRECAST DOUBLE TEE STRUCTURAL ELEMENTS, PRESTRESSING, AND REINFORCING PRIOR TO ANY DRILLING, CORING, OR PENETRATION. ANY REQUIRED ADJUSTMENTS TO BE COORDINATED WITH THE ARCHITECT AND ENGINEERING CONSULTANTS PRIOR TO PROCEEDING.

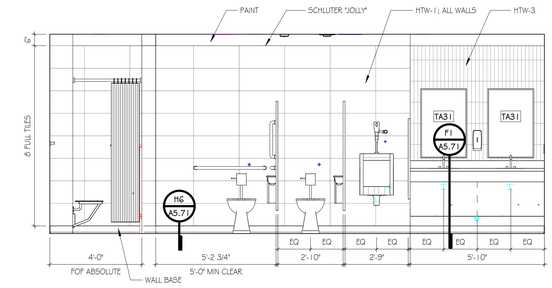
H10 GIRLS VISITING RR - 1
SCALE: 3/8" = 1'-0"



F4 BOYS VISITING LOCKER - 1
SCALE: 3/8" = 1'-0"



F7 BOYS VISITING LOCKER - 2
SCALE: 3/8" = 1'-0"



***NOTE - AT ALL NEW PLUMBING LOCATIONS, CONTRACTOR SHALL VERIFY THE LOCATION OF ALL PRECAST DOUBLE TEE STRUCTURAL ELEMENTS, PRESTRESSING, AND REINFORCING PRIOR TO ANY DRILLING, CORING, OR PENETRATION. ANY REQUIRED ADJUSTMENTS TO BE COORDINATED WITH THE ARCHITECT AND ENGINEERING CONSULTANTS PRIOR TO PROCEEDING.

F10 BOYS VISITING RR - 1
SCALE: 3/8" = 1'-0"

SPECIALTY EQUIPMENT SCHEDULE

TAG	DESCRIPTION	COMMENTS
S2	DRYER	CFCI
S3	WASHER	CFCI
S4	COMPACT REFRIGERATOR	OFCI
S5	96 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
S6	60 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
S7	REFRIGERATOR/FREEZER - SIDE BY SIDE	OFCI
S9	COPY MACHINE - COORDINATE ELEC & DATA	OFCI
S10	LOCKER 1 - MVP II STORAGE LOCKER - SEE FINISH LEGEND	CFCI
S11	LOCKER 2 - 2 TIER HEAVY DUTY LOCKER - SEE FINISH LEGEND	CFCI
S12	ADA LOCKER ROOM BENCH W/ BACK SUPPORT	CFCI
S13	7' LONG LOCKER ROOM BENCH	CFCI
S14	MARKER BOARD - 8'-0"W X 4'-0"H	CFCI
S15	MARKER BOARD - 10'-0"W X 4'-0"H	CFCI
S17	MARKER BOARD - 4'-0"W X 4'-0"H	CFCI
S19	ADA COMPLIANT ICE MAKER	CFCI
S20	GYM WALL PAD - 24"W X 72"H	CFCI
S21	COMMERCIAL WASHER	CFCI
S22	COMMERCIAL DRYER	CFCI
S23	UTILITY SHELVING - METAL - 36"W X 18"D X 84"H	CFCI

TOILET ACCESSORIES SCHEDULE

TAG	DESCRIPTION	COMMENTS
TA01	TOILET TISSUE DISP - DBL. STD. ROLL W/SHELF	OFCI
TA03	PAPER TOWEL DISPENSER (FOLDED, HIGH-CAPACITY)	CFCI
TA11	WASTE RECEPTACLE, SURFACE MOUNT, LARGE	CFCI
TA19	SOAP DISP - LIQUID, MANUAL	CFCI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA26	ROBE HOOK (ADA FRONT APPROACH)	CFCI
TA29	SANITARY NAPKIN DISPOSAL	CFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	CFCI
TA32	MIRROR, CHANNEL FRAMED (24 x 60 INCHES)	CFCI
TA33	HEAVY DUTY SHOWER ROD	CFCI
TA35	VINYL SHOWER CURTAIN	CFCI
TA36	SHOWER SEAT - FOLDING, L-SHAPED	CFCI
TA55	DIAPER CHANGING STATION, SURFACE-MOUNT	CFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI

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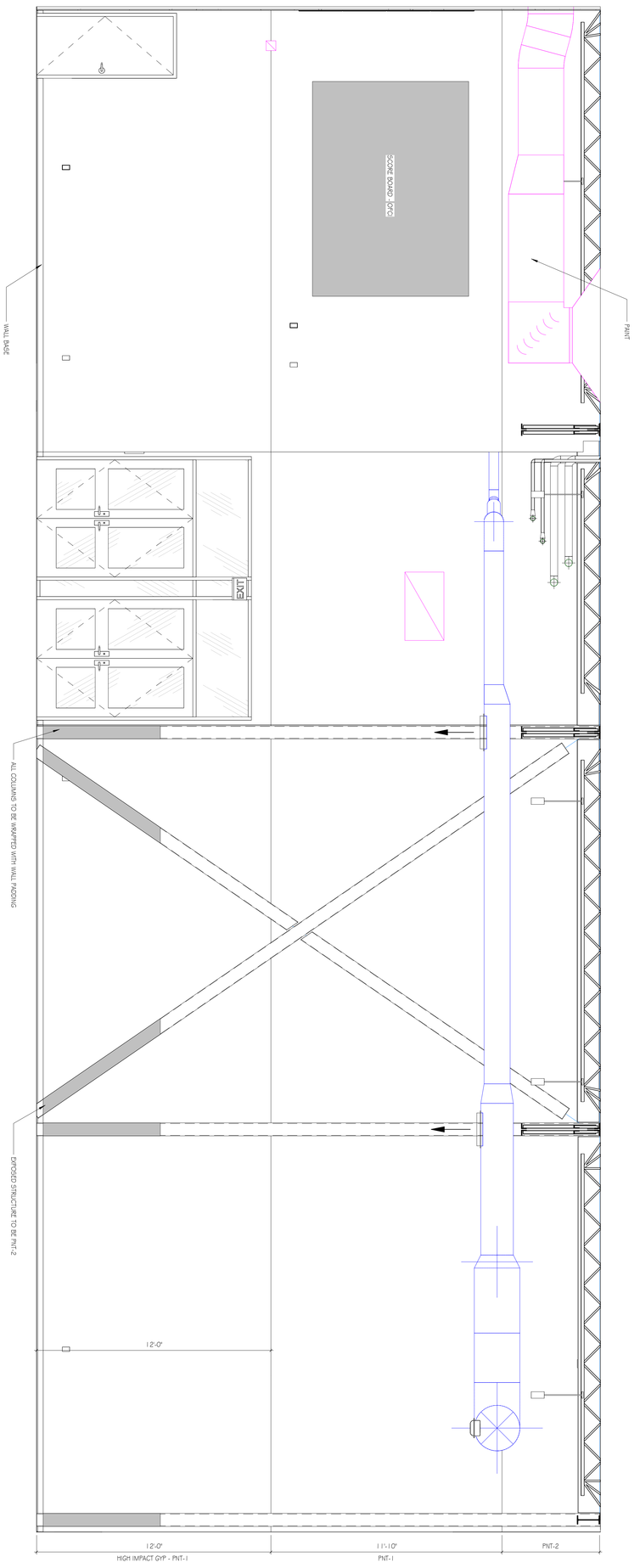
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INTERIOR ELEVATIONS - VISITING LOCKER

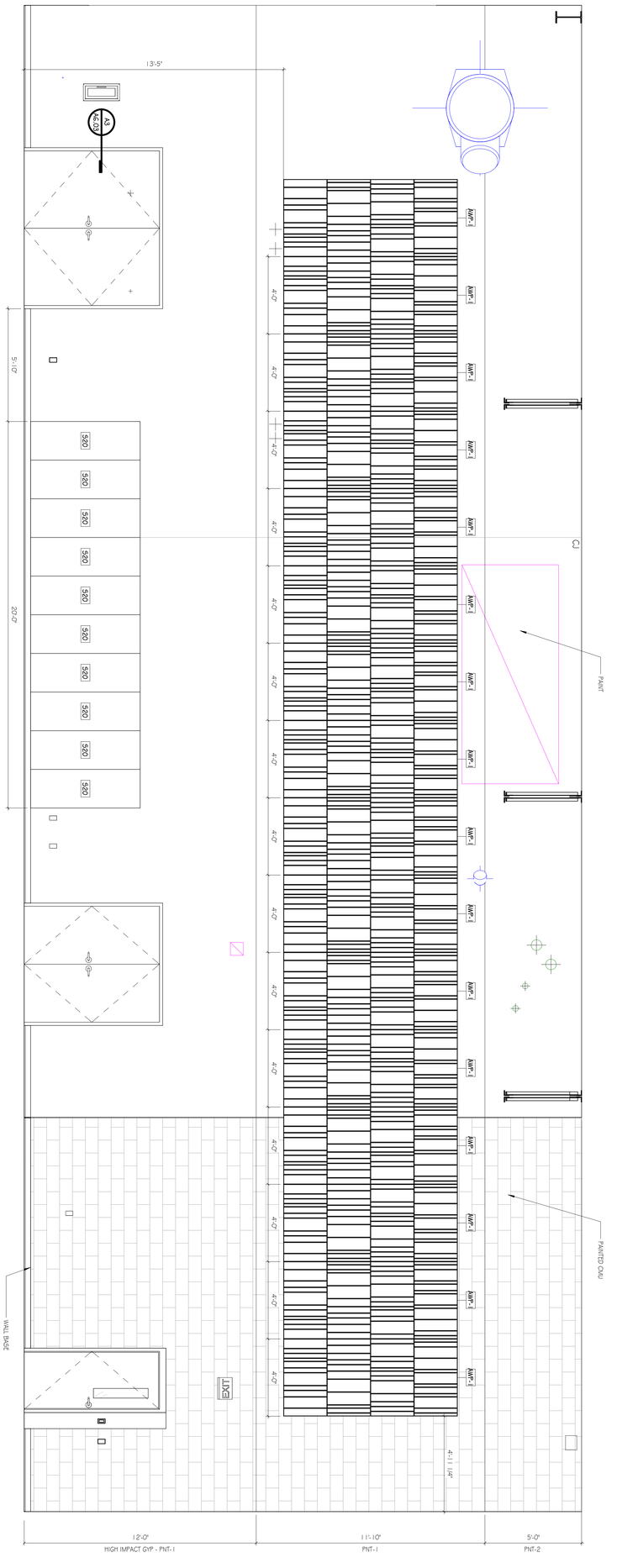
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11/4/2026 3:56:15 PM TEMPLATE VERSION: 2025.1

A1 AUX GYM - 3
SCALE: 3/8" = 1'-0"



F1 AUX GYM - 1
SCALE: 3/8" = 1'-0"



INTERIOR ELEVATIONS - AUX GYM

A7.09

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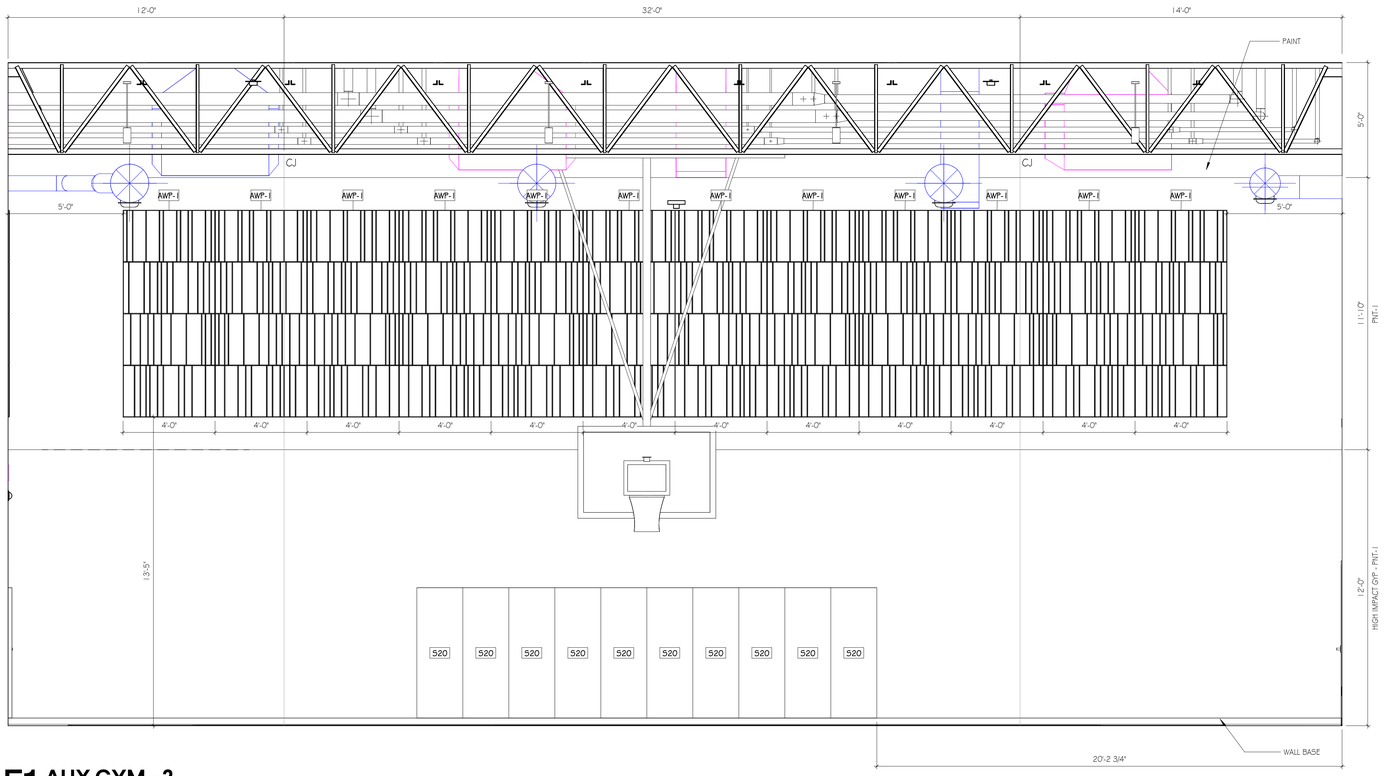
ESCC LOLLEY GYM RENOVATION
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ENTERPRISE, AL 36330

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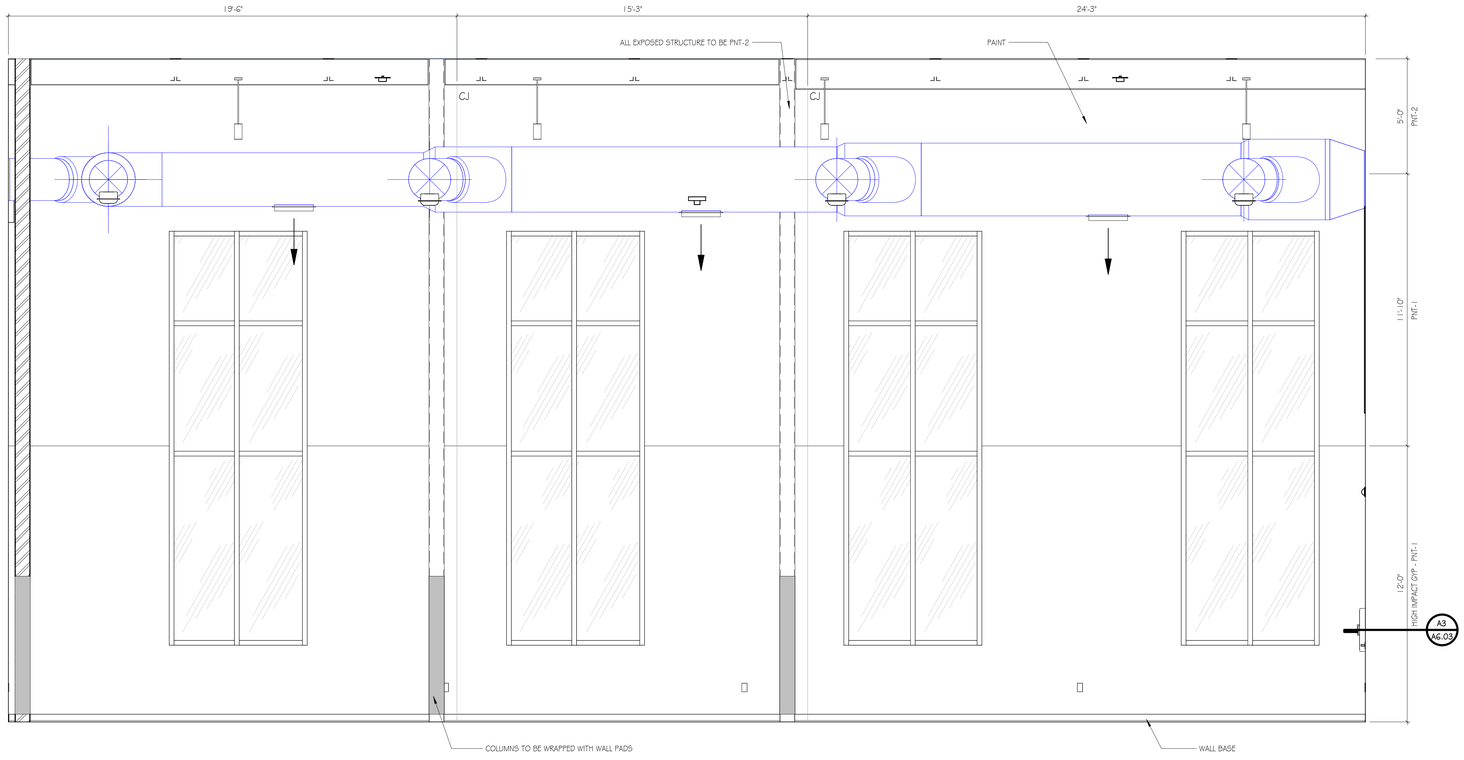
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F1 AUX GYM - 2
SCALE: 3/8" = 1'-0"



A1 AUX GYM - 4
SCALE: 3/8" = 1'-0"

SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	COMMENTS
52	DRYER	CFCI
53	WASHER	CFCI
54	COMPACT REFRIGERATOR	OFCI
55	96 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
56	60 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
57	REFRIGERATOR/FREEZER - SIDE BY SIDE	OFCI
59	COPY MACHINE - COORDINATE ELEC & DATA	OFCI
510	LOCKER 1 - MVP II STORAGE LOCKER - SEE FINISH LEGEND	CFCI
511	LOCKER 2 - 2 TIER HEAVY DUTY LOCKER - SEE FINISH LEGEND	CFCI
512	ADA LOCKER ROOM BENCH W/ BACK SUPPORT	CFCI
513	7' LONG LOCKER ROOM BENCH	CFCI
514	MARKER BOARD - 8'-0"W X 4'-0"H	CFCI
515	MARKER BOARD - 10'-0"W X 4'-0"H	CFCI
517	MARKER BOARD - 4'-0"W X 4'-0"H	CFCI
519	ADA COMPLIANT ICE MAKER	CFCI
520	GYM WALL PAD - 24"W X 72"H	CFCI
521	COMMERCIAL WASHER	CFCI
522	COMMERCIAL DRYER	CFCI
523	UTILITY SHELVING - METAL - 36"W X 18"D X 84"H	CFCI

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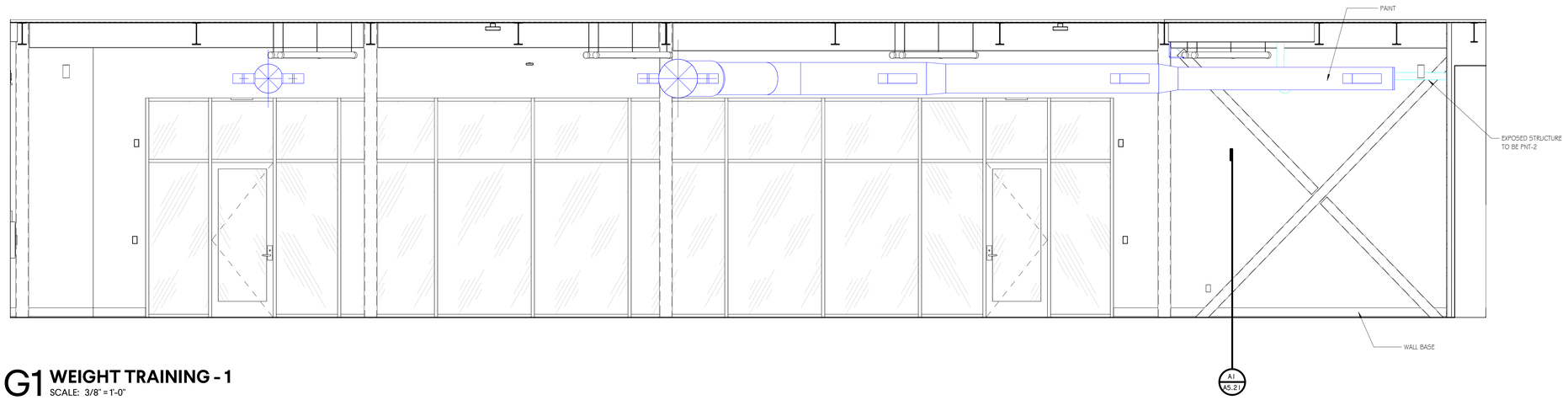
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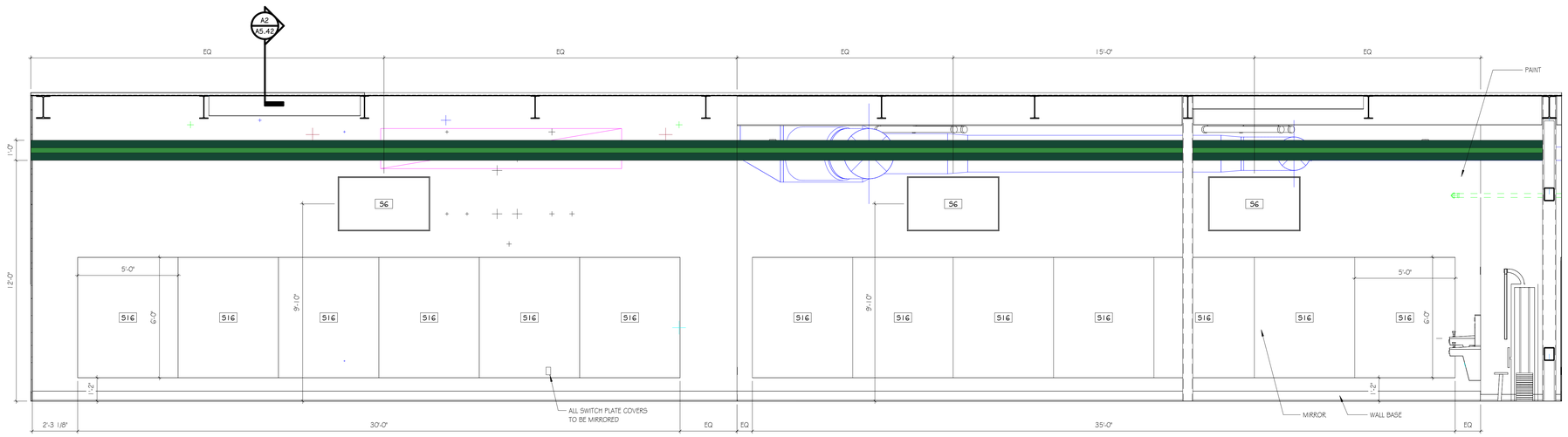
INTERIOR ELEVATIONS - AUX GYM

A7.10

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G1 WEIGHT TRAINING - 1
SCALE: 3/8" = 1'-0"



D1 WEIGHT TRAINING - 2
SCALE: 3/8" = 1'-0"

SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	COMMENTS
52	DRYER	CFCI
53	WASHER	CFCI
54	COMPACT REFRIGERATOR	OFCI
55	96 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
56	60 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
57	REFRIGERATOR/FREEZER - SIDE BY SIDE	OFCI
59	COPY MACHINE - COORDINATE ELEC & DATA	OFCI
510	LOCKER 1 - MVP II STORAGE LOCKER - SEE FINISH LEGEND	CFCI
511	LOCKER 2 - 2 TIER HEAVY DUTY LOCKER - SEE FINISH LEGEND	CFCI
512	ADA LOCKER ROOM BENCH W/ BACK SUPPORT	CFCI
513	7' LONG LOCKER ROOM BENCH	CFCI
514	MARKER BOARD - 8'-0"W X 4'-0"H	CFCI
515	MARKER BOARD - 10'-0"W X 4'-0"H	CFCI
517	MARKER BOARD - 4'-0"W X 4'-0"H	CFCI
519	ADA COMPLIANT ICE MAKER	CFCI
520	GYM WALL PAD - 24"W X 72"H	CFCI
521	COMMERCIAL WASHER	CFCI
522	COMMERCIAL DRYER	CFCI
523	UTILITY SHELVING - METAL - 36"W X 18"D X 84"H	CFCI

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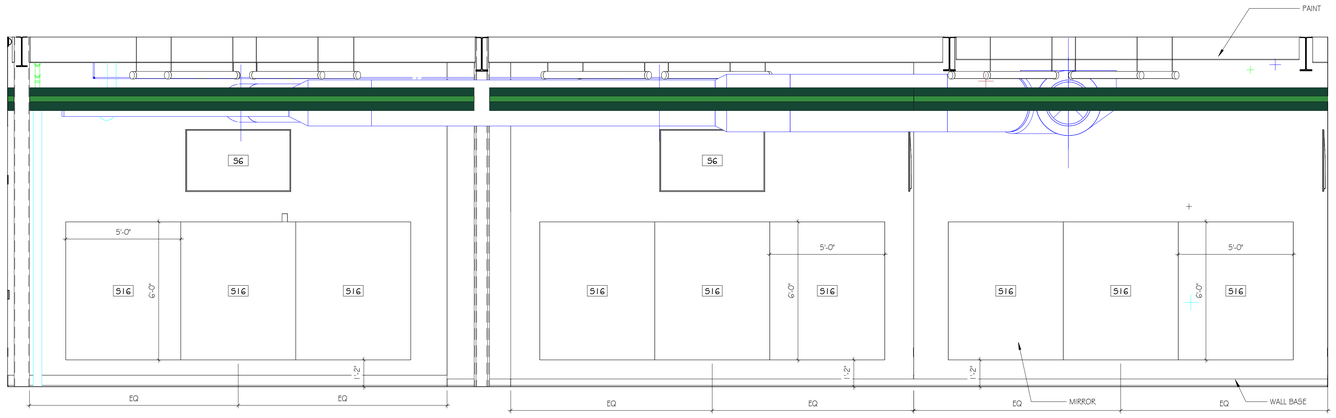
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INTERIOR ELEVATIONS - WEIGHT ROOM

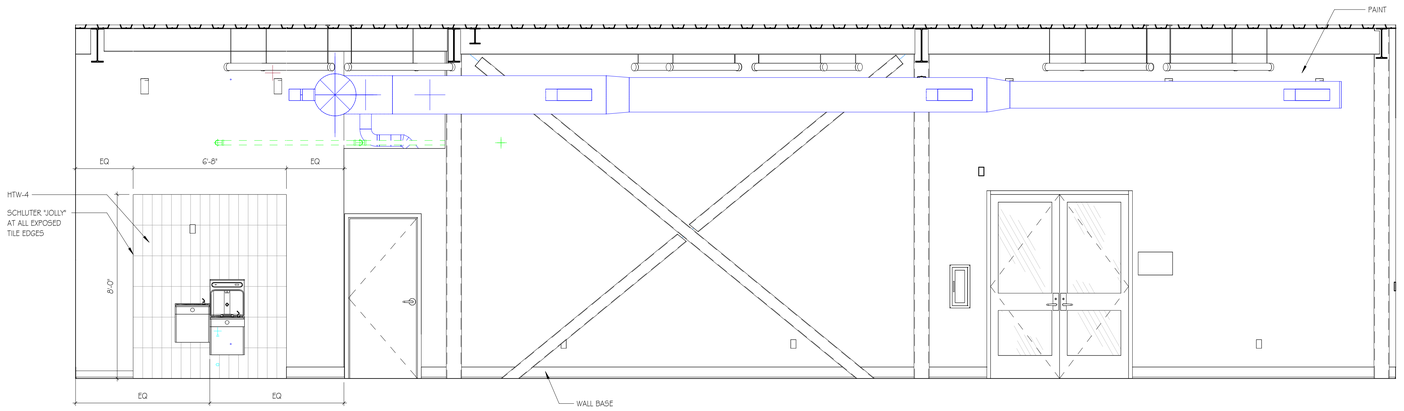
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H1 WEIGHT TRAINING - 3

SCALE: 3/8" = 1'-0"



E1 WEIGHT TRAINING - 4

SCALE: 3/8" = 1'-0"

SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	COMMENTS
S2	DRYER	CFCI
S3	WASHER	CFCI
S4	COMPACT REFRIGERATOR	OFCI
S5	96 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
S6	60 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
S7	REFRIGERATOR/FREEZER - SIDE BY SIDE	OFCI
S9	COPY MACHINE - COORDINATE ELEC & DATA	OFCI
S10	LOCKER 1 - MVP II STORAGE LOCKER - SEE FINISH LEGEND	CFCI
S11	LOCKER 2 - 2 TIER HEAVY DUTY LOCKER - SEE FINISH LEGEND	CFCI
S12	ADA LOCKER ROOM BENCH W/ BACK SUPPORT	CFCI
S13	7' LONG LOCKER ROOM BENCH	CFCI
S14	MARKER BOARD - 8'-0"W X 4'-0"H	CFCI
S15	MARKER BOARD - 10'-0"W X 4'-0"H	CFCI
S17	MARKER BOARD - 4'-0"W X 4'-0"H	CFCI
S19	ADA COMPLIANT ICE MAKER	CFCI
S20	GYM WALL PAD - 24"W X 72"H	CFCI
S21	COMMERCIAL WASHER	CFCI
S22	COMMERCIAL DRYER	CFCI
S23	UTILITY SHELVING - METAL - 36"W X 18"D X 84"H	CFCI

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ENTERPRISE, AL 36330

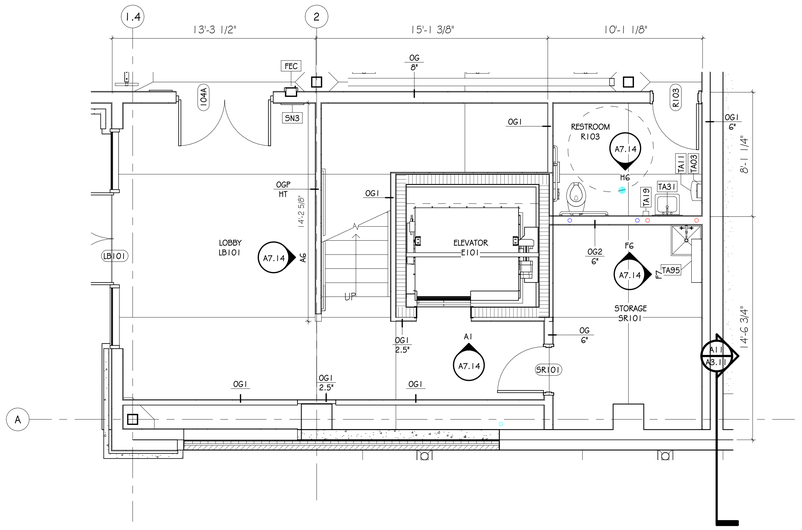
ACCS 2025 130 ESCC
GMC ABHM250051

STATE OF ALABAMA
PATRICK SWATEK
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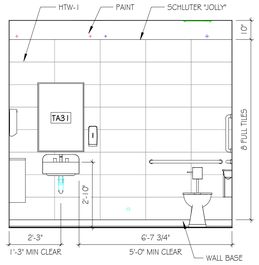
INTERIOR ELEVATIONS - WEIGHT ROOM

A7.13

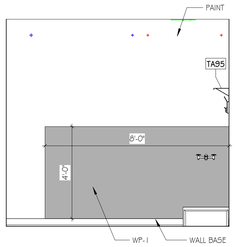
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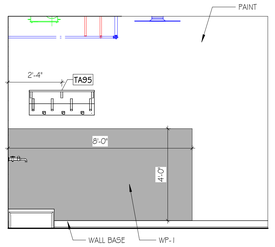
G1 LOWER LEVEL LOBBY - PLAN
SCALE: 1/4" = 1'-0"



H6 RR - 1
SCALE: 3/8" = 1'-0"



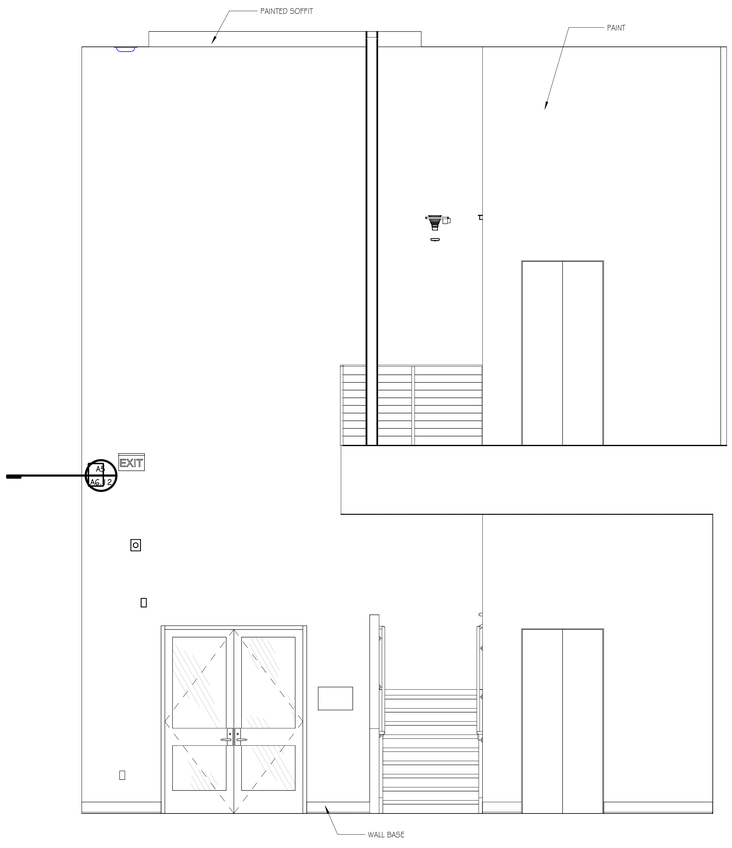
F6 STOR SR101 - 1
SCALE: 3/8" = 1'-0"



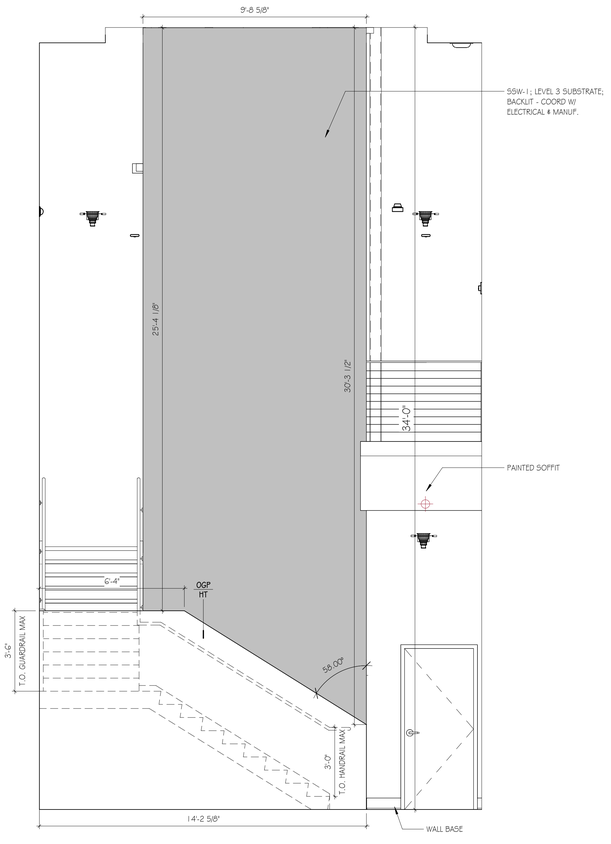
F7 STOR SR101 - 2
SCALE: 3/8" = 1'-0"

SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	COMMENTS
S2	DRYER	CFCI
S3	WASHER	CFCI
S4	COMPACT REFRIGERATOR	OFCI
S5	96 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
S6	60 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
S7	REFRIGERATOR/FREEZER - SIDE BY SIDE	OFCI
S9	COPY MACHINE - COORDINATE ELEC & DATA	OFCI
S10	LOCKER 1 - MVP II STORAGE LOCKER - SEE FINISH LEGEND	CFCI
S11	LOCKER 2 - 2 TIER HEAVY DUTY LOCKER - SEE FINISH LEGEND	CFCI
S12	ADA LOCKER ROOM BENCH W/ BACK SUPPORT	CFCI
S13	7' LONG LOCKER ROOM BENCH	CFCI
S14	MARKER BOARD - 8'-0"W X 4'-0"H	CFCI
S15	MARKER BOARD - 10'-0"W X 4'-0"H	CFCI
S17	MARKER BOARD - 4'-0"W X 4'-0"H	CFCI
S19	ADA COMPLIANT ICE MAKER	CFCI
S20	GYM WALL PAD - 24"W X 72"H	CFCI
S21	COMMERCIAL WASHER	CFCI
S22	COMMERCIAL DRYER	CFCI
S23	UTILITY SHELVING - METAL - 36"W X 18"D X 84"H	CFCI

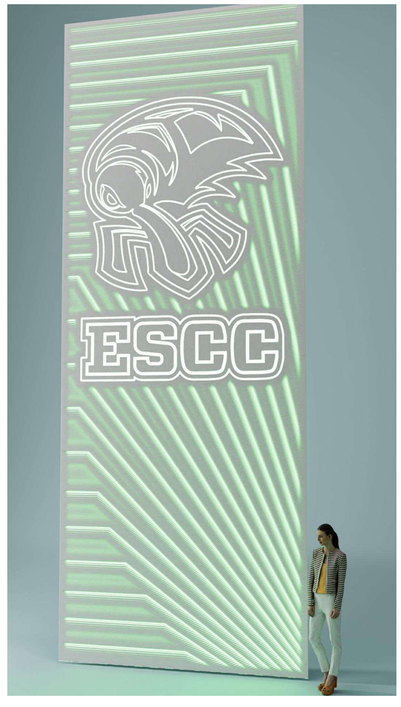
TOILET ACCESSORIES SCHEDULE		
TAG	DESCRIPTION	COMMENTS
TA01	TOILET TISSUE DISP - DBL. STD. ROLL W/SHELF	OFCI
TA03	PAPER TOWEL DISPENSER (FOLDED, HIGH-CAPACITY)	CFCI
TA11	WASTE RECEPTACLE, SURFACE MOUNT, LARGE	CFCI
TA19	SOAP DISP - LIQUID, MANUAL	CFCI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA26	ROBE HOOK (ADA FRONT APPROACH)	CFCI
TA29	SANITARY NAPKIN DISPOSAL	CFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	CFCI
TA32	MIRROR, CHANNEL FRAMED (24 x 60 INCHES)	CFCI
TA33	HEAVY DUTY SHOWER ROD	CFCI
TA35	VINYL SHOWER CURTAIN	CFCI
TA36	SHOWER SEAT - FOLDING, L-SHAPED	CFCI
TA55	DIAPER CHANGING STATION, SURFACE-MOUNT	CFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI



A1 LOWER LOBBY - 4
SCALE: 3/8" = 1'-0"



A6 LOWER LOBBY - 1
SCALE: 3/8" = 1'-0"



SSW-1 REFERENCE PHOTO

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ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

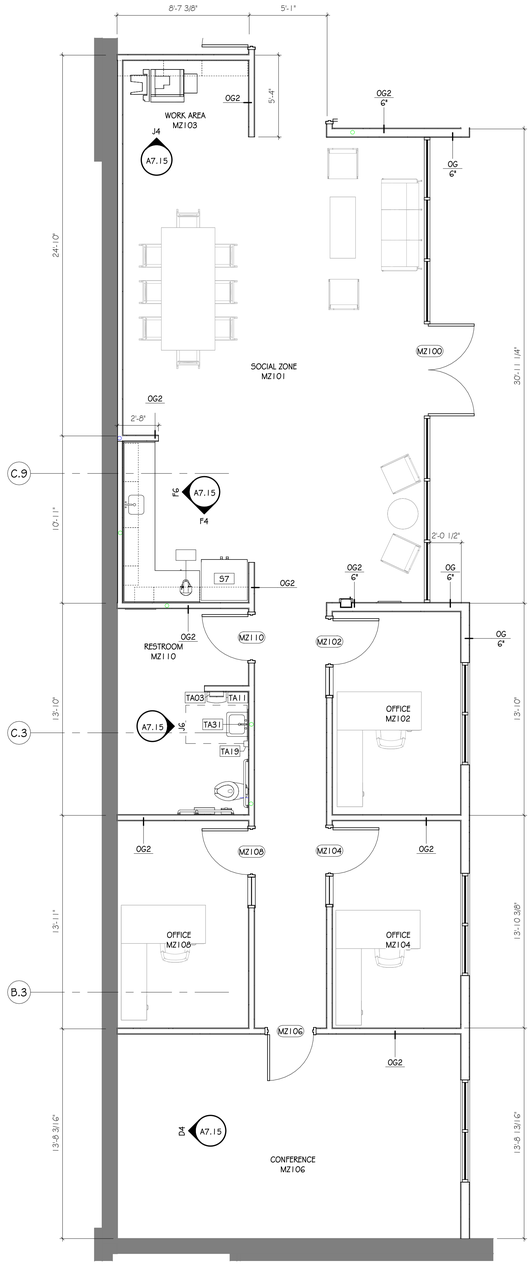
ACCS 2025 130 ESCC
GMC ABHM250051

STATE OF ALABAMA
PATRICK SWATEK
8969
REGISTERED ARCHITECT

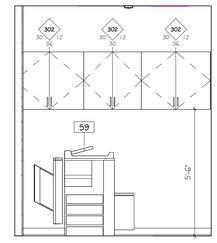
INTERIOR ELEVATIONS - NEW LOBBY

A7.14

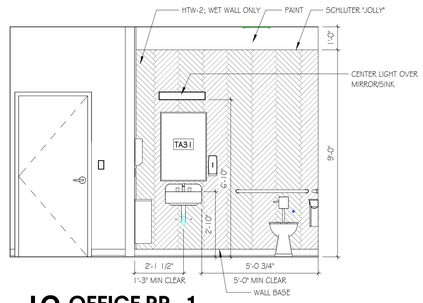
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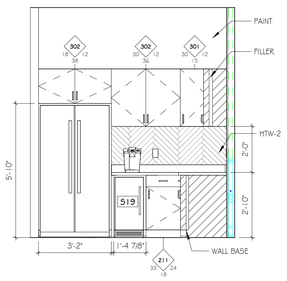
C1 MEZZANINE OFFICE - PLAN
SCALE: 1/4" = 1'-0"



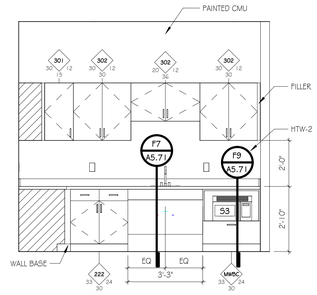
J4 OFFICE PRINT - 1
SCALE: 3/8" = 1'-0"



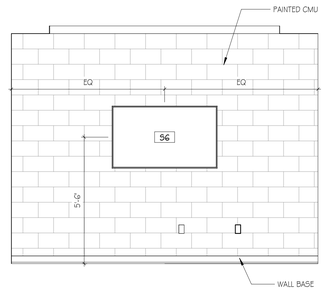
J6 OFFICE RR - 1
SCALE: 3/8" = 1'-0"



F4 OFFICE BREAK - 1
SCALE: 3/8" = 1'-0"



F6 OFFICE BREAK - 2
SCALE: 3/8" = 1'-0"



D4 CONFERENCE - 1
SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES SCHEDULE		
TAG	DESCRIPTION	COMMENTS
TA01	TOILET TISSUE DISP - DBL. STD. ROLL W/SHELF	OFCI
TA03	PAPER TOWEL DISPENSER (FOLDED, HIGH-CAPACITY)	OFCI
TA11	WASTE RECEPTACLE, SURFACE MOUNT, LARGE	OFCI
TA19	SOAP DISP - LIQUID, MANUAL	OFCI
TA23	18" VERTICAL GRAB BAR	OFCI
TA24	36" HORIZONTAL GRAB BAR	OFCI
TA25	42" HORIZONTAL GRAB BAR	OFCI
TA26	ROBE HOOK (ADA FRONT APPROACH)	OFCI
TA29	SANITARY NAPKIN DISPOSAL	OFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	OFCI
TA32	MIRROR, CHANNEL FRAMED (24 x 60 INCHES)	OFCI
TA33	HEAVY DUTY SHOWER ROD	OFCI
TA35	VINYL SHOWER CURTAIN	OFCI
TA36	SHOWER SEAT - FOLDING, L-SHAPED	OFCI
TA55	DIAPER CHANGING STATION, SURFACE-MOUNT	OFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	OFCI

SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	COMMENTS
52	DRYER	OFCI
53	WASHER	OFCI
54	COMPACT REFRIGERATOR	OFCI
55	96 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
56	60 INCH - 4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
57	REFRIGERATOR/FREEZER - SIDE BY SIDE	OFCI
59	COPY MACHINE - COORDINATE ELEC & DATA	OFCI
510	LOCKER 1 - MVP II STORAGE LOCKER - SEE FINISH LEGEND	CFCI
511	LOCKER 2 - 2 TIER HEAVY DUTY LOCKER - SEE FINISH LEGEND	CFCI
512	ADA LOCKER ROOM BENCH W/ BACK SUPPORT	CFCI
513	7' LONG LOCKER ROOM BENCH	CFCI
514	MARKER BOARD - 8'-0"W X 4'-0"H	CFCI
515	MARKER BOARD - 10'-0"W X 4'-0"H	CFCI
517	MARKER BOARD - 4'-0"W X 4'-0"H	CFCI
519	ADA COMPLIANT ICE MAKER	CFCI
520	GYM WALL PAD - 24"W X 72"H	CFCI
521	COMMERCIAL WASHER	CFCI
522	COMMERCIAL DRYER	CFCI
523	UTILITY SHELVING - METAL - 36"W X 18"D X 84"H	CFCI

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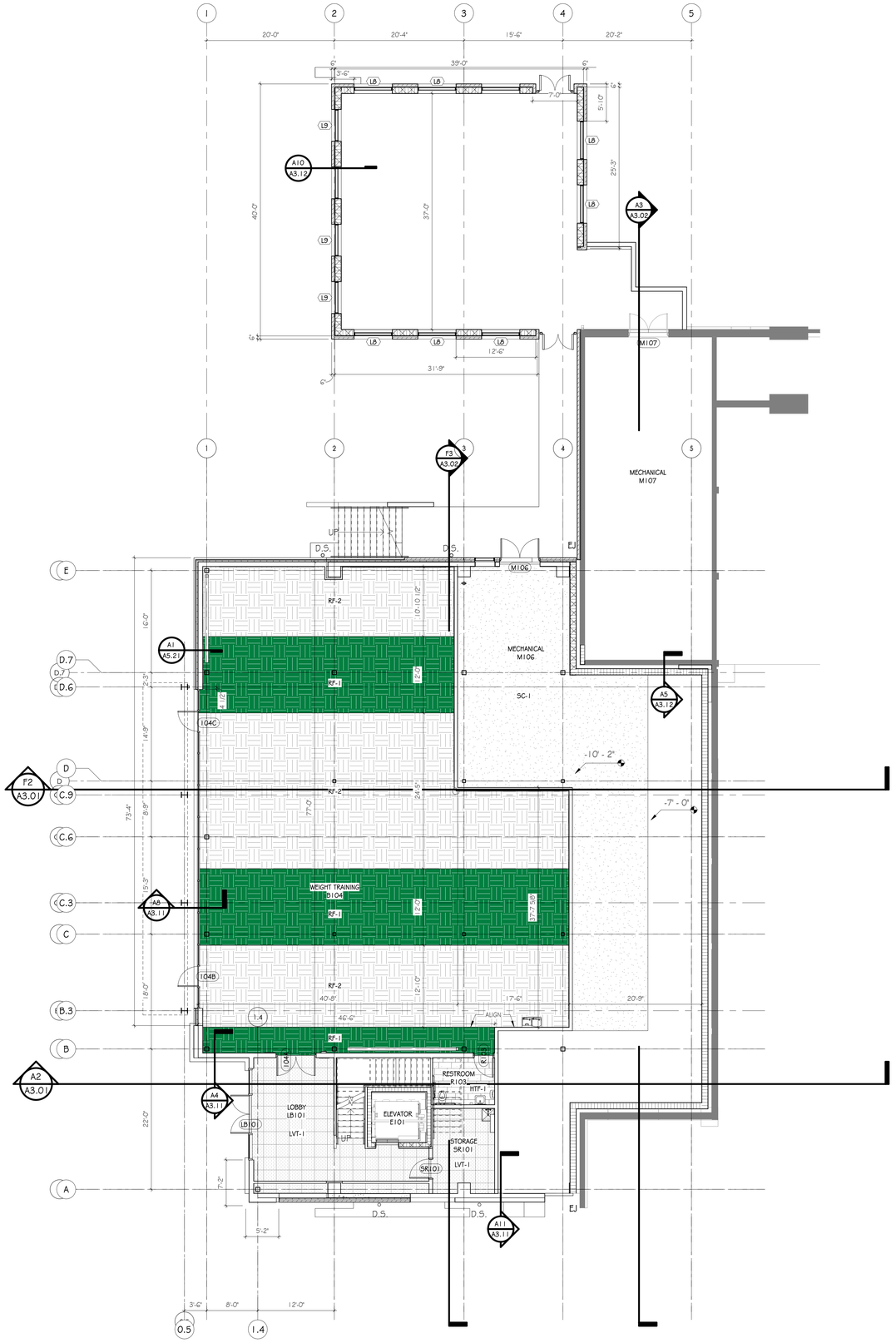
ACCS 2025 130 ESCC
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STATE OF ALABAMA
PATRICK SWATEK
8969
REGISTERED ARCHITECT

INTERIOR ELEVATIONS - MEZZANINE

A7.15

11/4/2026 3:56:33 PM TEMPLATE VERSION: 2025.1



PLAN NORTH

TRUE NORTH

A5 LOWER LEVEL FINISH PLAN

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

GENERAL NOTES - FINISH PLAN

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

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FINISH PLAN - LOWER LEVEL

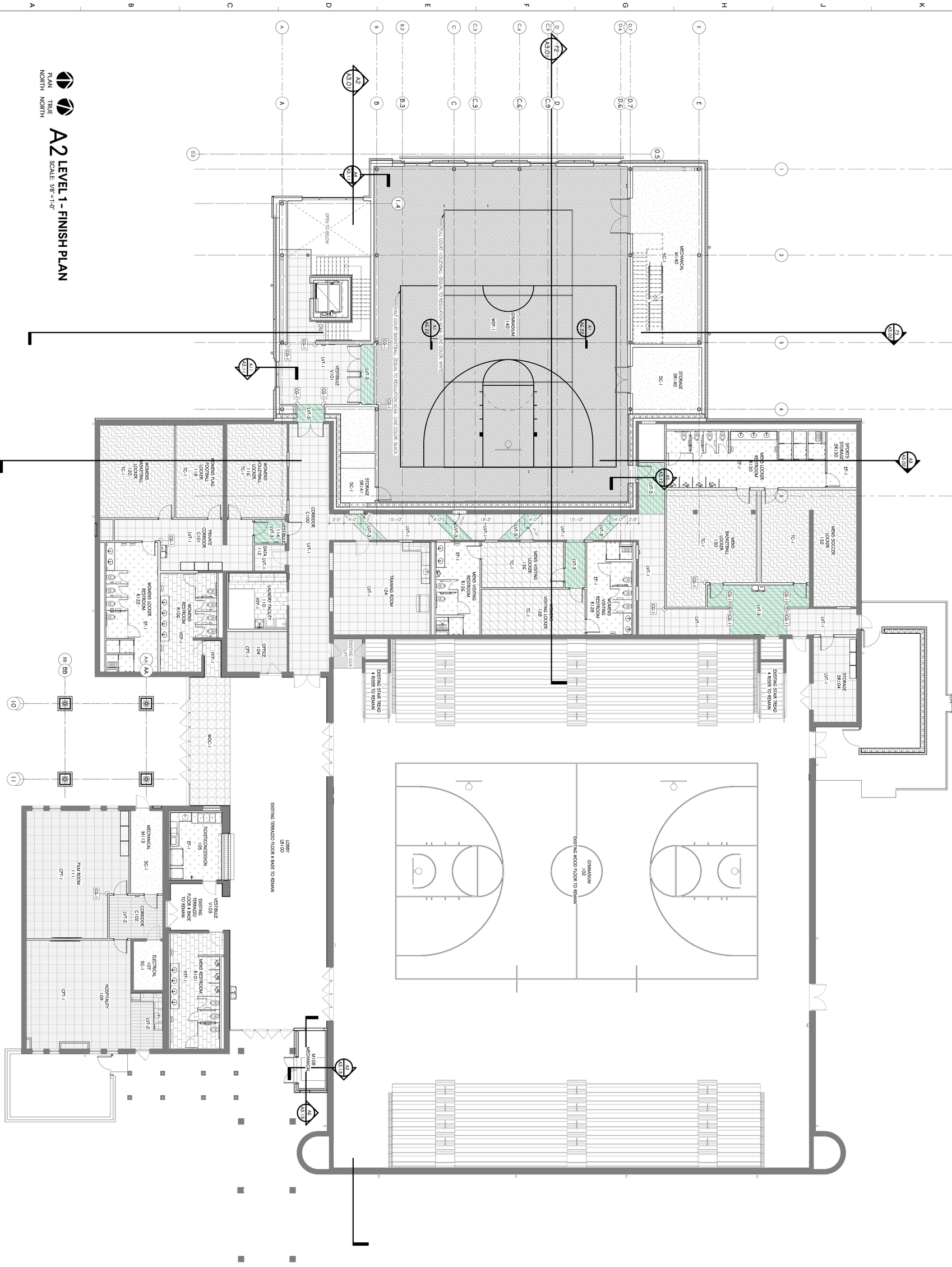
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PLAN NORTH
TRUE NORTH

A2 LEVEL 1 - FINISH PLAN

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



FINISH PLAN - MAIN LEVEL

A7.17

STATE OF ALABAMA · PATRICK SWIATEK · 8969 · REGISTERED ARCHITECT

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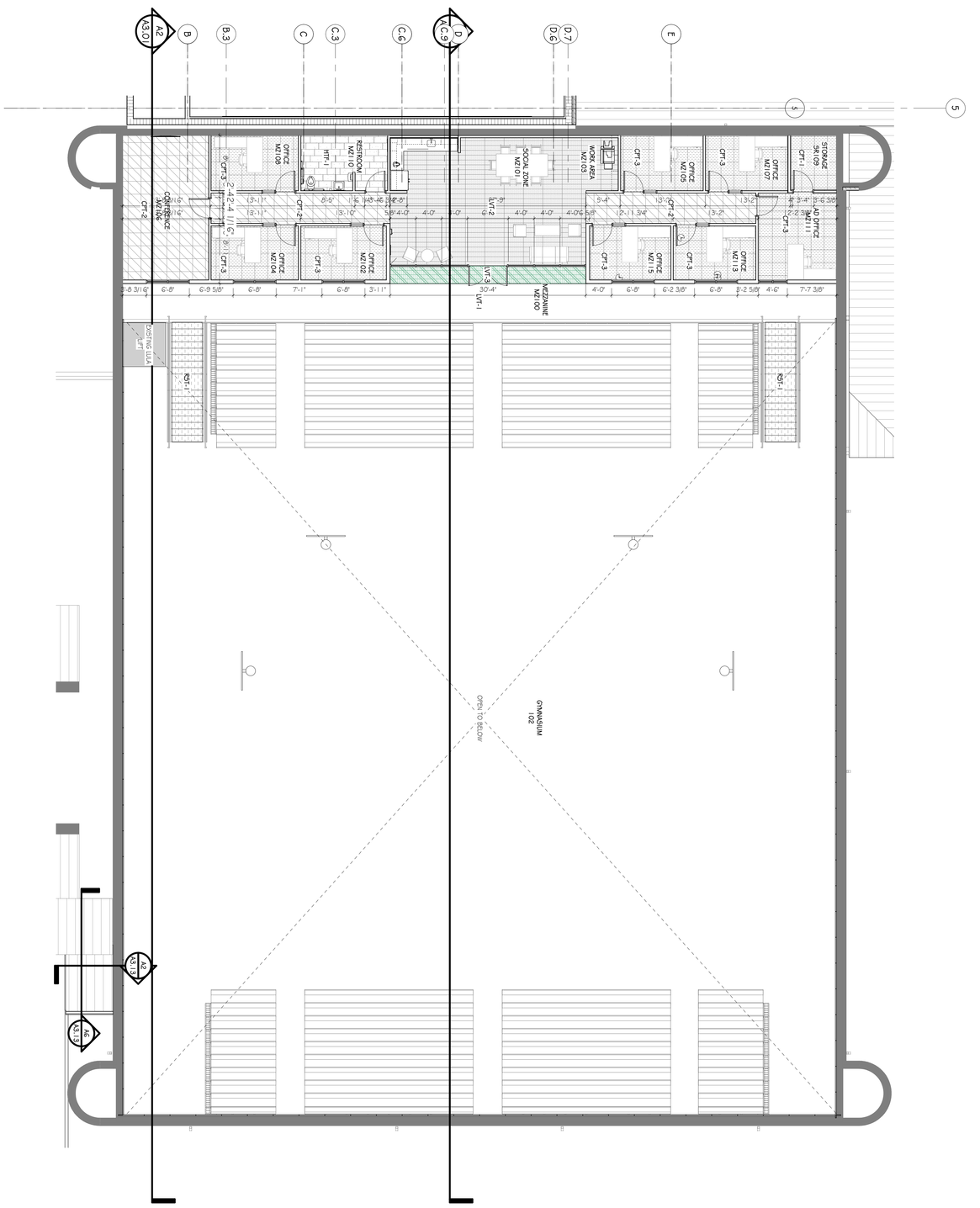
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PLAN NORTH
TRUE NORTH

B4 MEZZANINE - FINISH PLAN

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



FINISH PLAN - MEZZANINE

A7.18

STATE OF ALABAMA
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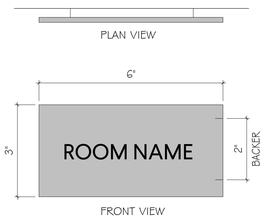
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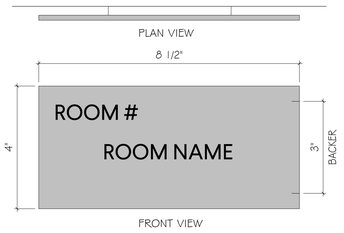
GMC

SIGNAGE TYPES:

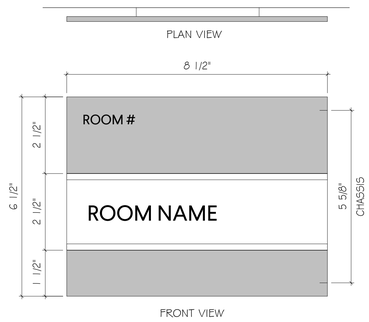
BASED ON APCO SIGNS ELEVATE SERIES



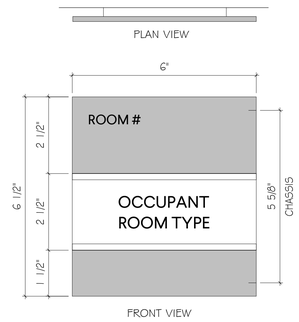
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SIZE: 3" X 6"
MOUNTING: VT
QUANTITY: SEE SCHEDULE



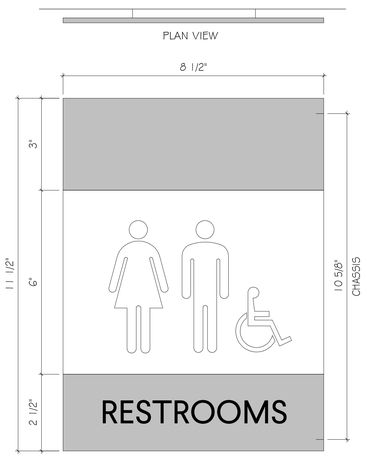
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QUANTITY: SEE SCHEDULE



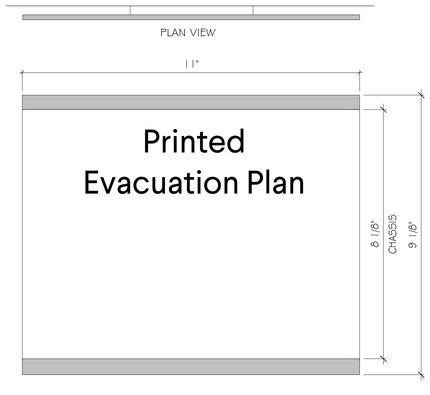
TYPE: A3 (EV85)
SIZE: 8.5" X 6 5/8"
MOUNTING: VT
QUANTITY: SEE SCHEDULE



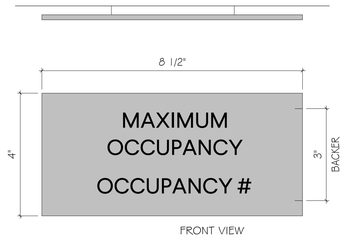
TYPE: A4 (EV06)
SIZE: 6" X 6 5/8"
MOUNTING: VT
QUANTITY: SEE SCHEDULE



TYPE: A6 (EV85)
SIZE: 8.5" X 11 5/8"
SYMBOL: AS REQUIRED
MOUNTING: VT
QUANTITY: SEE SCHEDULE



TYPE: A8 (EV11)
SIZE: 11" X 9 1/8"
MOUNTING: VT
QUANTITY: SEE LIFE SAFETY PLANS



TYPE: A9 (EV85)
SIZE: 4" X 8.5"
MOUNTING: VT
QUANTITY: SEE LIFE SAFETY PLANS

SIGNAGE SCHEDULE

PLAN NUMBER	PLAN NAME	SIGN TYPE	SIGNAGE ROOM NUMBER	MESSAGE ROOM NAME	SIGNAGE COMMENTS
102	GYMNASIUM	A1			
104	OFFICE	A3	205		
105	TICKET/CONCESSION	A1			
107	ELECTRICAL	A2	201		
109	HOSPITALITY	A3	203		
110	LAUNDRY FACILITY	A2	207		
111	FILM ROOM	A3	200		
112	DATA	A1			
114	VESTIBULE	A1		WOMENS LOCKER AREA	
116	WOMENS VOLLEYBALL LOCKER	A1			
118	WOMENS FLAG FOOTBALL LOCKER	A1			
120	WOMENS BASKETBALL LOCKER	A1			
124	TRAINING ROOM	A3	202		
126	MENS VISITING LOCKER	A1			
128	WOMENS VISITING LOCKER	A1			
130	MENS BASKETBALL LOCKER	A1			
132	MENS SOCCER LOCKER	A1			
140	GYMNASIUM	A1			
B104	WEIGHT TRAINING	A4	101		
C100	CORRIDOR	-			
C101	PRIVATE CORRIDOR	-			
C102	CORRIDOR	-			
E100	ELEVATOR	A6			SIM. MODIFY FOR ELEVATOR PER SIGNAGE COMPANY
E101	ELEVATOR	A6			SIM. MODIFY FOR ELEVATOR PER SIGNAGE COMPANY
LB100	LOBBY	-			
LB101	LOBBY	-			
M106	MECHANICAL	A1			
M108	MECHANICAL	A1			
M113	MECHANICAL	A1			
M140	MECHANICAL	A1			
MZ100	MEZZANINE	-			
MZ101	SOCIAL ZONE	A1			
MZ102	OFFICE	A3	307		
MZ103	WORK AREA	-			
MZ104	OFFICE	A3	309		
MZ105	OFFICE	A3	304		
MZ106	CONFERENCE	A3	308		
MZ107	OFFICE	A3	302		
MZ108	OFFICE	A3	306		
MZ110	RESTROOM	A6			
MZ111	AD OFFICE	A3	301		
MZ113	OFFICE	A3	303		
MZ115	OFFICE	A3	305		
R101	MENS RESTROOM	A6			
R106	WOMENS RESTROOM	A6			
R122	WOMENS LOCKER RESTROOM	A6			
R126	MENS VISITING RESTROOM	A6			
R128	WOMENS VISITING RESTROOM	A6			
R130	MENS LOCKER RESTROOM	A6			
SR101	STORAGE	A2	100		
SR102	STORAGE	A1			
SR103	STORAGE	A1			
SR104	STORAGE	A1			
SR109	STORAGE	A2	300		
SR130	SPORTS STORAGE	A1			
SR140	STORAGE	A1			
SR141	STORAGE	A1			
V101	VESTIBULE	-			
V103	VESTIBULE	-			

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STATE OF ALABAMA
PATRICK SWATEK
8969
REGISTERED ARCHITECT

SIGNAGE PLAN

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3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5606
PROJECT #25105

1. GENERAL NOTES:

1.1. CODES AND SPECIFICATIONS:

A. GENERAL BUILDING CODE:

INTERNATIONAL BUILDING CODE, 2021 EDITION.

B. ASCE 7-16: MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.

C. CONCRETE:

BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318-19.

D. STRUCTURAL STEEL:

SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AISC 360-16, ALLOWABLE STRESS DESIGN (ASD)

E. STEEL JOISTS:

STANDARD SPECIFICATIONS, LOAD TABLES AND WEIGHT TABLES FOR STEEL JOISTS AND JOIST GIRDERS, STEEL JOIST INSTITUTE, SJI 100-20.

F. STEEL DECK:

STEEL DECK INSTITUTE DESIGN STANDARDS FOR NON-COMPOSITE STEEL FLOOR DECK, STEEL ROOF DECK, COMPOSITE STEEL FLOOR DECK-SLABS, AND QUALITY CONTROL AND QUALITY ASSURANCE FOR INSTALLATION OF STEEL DECK, ANSI/SDI-17.

G. MASONRY:

1. BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, TMS 402-16.
2. SPECIFICATIONS FOR MASONRY STRUCTURES, TMS 602-16.

H. COLD-FORMED METAL FRAMING:

NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AMERICAN IRON AND STEEL INSTITUTE, AISI S100-16.

1.2. THE GENERAL NOTES ARE NOT A SUBSTITUTE OR A REPLACEMENT FOR THE PROJECT SPECIFICATIONS. THESE NOTES ARE INTENDED AS A GUIDE TO THE DESIGN AND/OR CONSTRUCTION REQUIREMENTS ESTABLISHED FOR THIS PROJECT. NO CONTRACTOR SHOULD ATTEMPT TO DESIGN, BID, OR CONSTRUCT ANY PORTION OF THE WORK HEREIN WITHOUT CONSULTING THE PROJECT SPECIFICATIONS. THE MORE STRINGENT REQUIREMENT SHALL APPLY WHERE CONFLICTS OCCUR BETWEEN THESE NOTES AND THE SPECIFICATIONS, UNLESS A WRITTEN CLARIFICATION IS ISSUED BY THE STRUCTURAL ENGINEER.

1.3. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTION WITH THE DRAWINGS OF OTHER CONSULTANTS AND TRADES. THE CONTRACTOR SHALL COORDINATE THE VARIOUS REQUIREMENTS.

1.4. DO NOT SCALE THESE DRAWINGS.

1.5. ALL DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS, UNLESS NOTED.

1.6. CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO FABRICATION/CONSTRUCTION. THE STRUCTURAL ENGINEER AND ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO FABRICATION/CONSTRUCTION.

1.7. VERIFY ELEVATOR PIT DIMENSIONS, LOCATIONS, LOADINGS, AND DETAILS WITH THE ELEVATOR SUPPLIER PRIOR TO THE FABRICATION AND/OR INSTALLATION OF ANY MATERIAL.

1.8. FIREPROOFING OF STRUCTURAL ELEMENTS IS NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO THE DRAWINGS OF OTHER CONSULTANTS FOR SUCH INFORMATION.

1.9. ALL ARCHITECTURAL AND UTILITY HALFTONE BACKGROUNDS ON PLANS, SECTIONS, AND ELEVATIONS ARE FOR REFERENCE ONLY AND ARE NOT UNDER THE PROFESSIONAL ENGINEERING SEAL RELATED TO THE STRUCTURAL ELEMENTS INDICATED IN THESE DRAWINGS. REFERENCE ARCHITECTURAL AND UTILITY DRAWINGS FOR NON-STRUCTURAL ELEMENTS INDICATED.

2. SPECIAL INSPECTIONS: (BY TESTING AGENCY)

2.1. SPECIAL INSPECTOR (SI) SHALL BE RETAINED AND PAID BY THE OWNER.

2.2. THE SPECIAL INSPECTOR SHALL BE FULLY QUALIFIED, APPROVED BY THE BUILDING OFFICIAL, REGISTERED BY APPLICABLE REGISTRATION BOARD IF REQUIRED AND ACCEPTABLE TO THE ARCHITECT.

2.3. THE DUTIES OF THE SPECIAL INSPECTOR SHALL INCLUDE, BUT ARE NOT LIMITED TO, VERIFICATION OF CONSTRUCTION QUALITY CONTROL, TESTING, COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS, BUILDING CODE REQUIREMENTS, AND LOCAL BUILDING DEPARTMENT REQUIREMENTS.

2.4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE PROPER NOTIFICATION TO THE SPECIAL INSPECTOR AND PROCEED WITH THE CONSTRUCTION ONLY AFTER THE SPECIAL INSPECTOR'S REVIEW AND APPROVAL.

2.5. SPECIAL INSPECTOR'S SHALL KEEP RECORDS OF ALL INSPECTIONS AND TESTING. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE CODE OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CODE OFFICIAL AND THE DESIGN PROFESSIONAL OF RECORD. A FINAL REPORT OF INSPECTIONS DOCUMENTING COMPLETION OF ALL REQUIRED SPECIAL INSPECTION AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY. INTERIM REPORTS SHALL BE SUBMITTED PERIODICALLY WITH MINIMUM FREQUENCY OF TWO WEEKS.

2.6. SPECIAL INSPECTIONS ARE REQUIRED FOR, BUT NOT LIMITED TO, THE ACTIVITIES AS INDICATED ON SHEET S1.02 PER THE 2021 INTERNATIONAL BUILDING CODE.

2.7. FAILURE TO NOTIFY THE SPECIAL INSPECTOR MAY RESULT IN THE CONTRACTOR HAVING TO REMOVE WORK FOR THE PURPOSE OF INSPECTION AT THE CONTRACTOR'S EXPENSE. PREMATURE NOTIFICATION FOR INSPECTIONS WILL RESULT IN AN ADDITIONAL INSPECTION WITH THE EXPENSES AND FEES PAID BY THE CONTRACTOR.

3. INSPECTION AND TESTING NOTES:

3.1. AN INDEPENDENT TESTING LABORATORY SHALL BE RETAINED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS TO PERFORM TESTING OF FOUNDATION BEARING STRATA, ENGINEERED FILLS, CONCRETE, GROUT, STEEL, AND WELDING. SEE PROJECT SPECIFICATIONS FOR REQUIREMENTS.

3.2. THE TESTING AGENCY SHALL VERIFY THAT ALL WELDERS HAVE SATISFACTORILY PASSED AWS QUALIFICATION TESTS FOR THE WELDS WHICH THEY WILL PERFORM.

3.3. THE CONTRACTOR AND TESTING AGENCY SHALL REQUIRE THAT AWS QUALIFICATION TESTS FOR WELDING OF MATERIAL LESS THAN 1/8" IN THICKNESS ARE SATISFACTORILY PASSED BY WELDERS EXPECTED TO ERECT LIGHTGAGE FRAMING MATERIALS. THESE TESTS ARE NOT THE SAME AS FOR MATERIALS 1/8" OR GREATER IN THICKNESS (I.E. STRUCTURAL STEEL MATERIALS).

3.4. ALL WELDING SHALL BE INSPECTED AND TESTED IN ACCORDANCE WITH AWS D1.1 OR D1.3 AS APPROPRIATE TO THE MATERIAL THICKNESS.

3.5. THE TESTING AGENCY SHALL VERIFY THAT THE METAL DECK IS ATTACHED TO THE STRUCTURAL STEEL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND APPROVED SHOP DRAWINGS.

3.6. CONCRETE TESTING SHALL BE IN ACCORDANCE WITH ACI 301 CHAPTER 16 AND WITH THE PROJECT SPECIFICATIONS.

4. CONSTRUCTION AND SAFETY:

4.1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL SAFETY REGULATIONS, PROGRAMS, AND PRECAUTIONS TO ALL WORK, PERSONS, AND PROPERTY ON AND/OR ADJACENT TO THE PROJECT AND SHALL PROTECT AGAINST ANY DAMAGE, INJURY, OR LOSS.

4.2. MEANS AND METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIALS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.

4.3. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED ON THE STRUCTURE. SUCH LOADS SHALL NOT EXCEED THE DESIGN LOAD OF THE STRUCTURE AT ANY TIME.

4.4. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION, AND ANY TEMPORARY BRACING OR SUPPORT REQUIRED TO ACCOMMODATE THE CONTRACTOR'S MEANS AND METHODS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

5. SUBMITTALS:

5.1. ALL SHOP DRAWINGS MUST BE REVIEWED FOR "APPROVAL" AND STAMPED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTAL.

5.2. SUBMIT EACH SET OF SHOP DRAWINGS DIGITALLY. THE REVIEWED PDF FILE WILL BE RETURNED TO THE CONTRACTOR

5.3. THE GENERAL CONTRACTOR SHALL SUBMIT, FOR ENGINEER REVIEW, SHOP DRAWINGS FOR THE FOLLOWING ITEMS. ITEMS MARKED (*) SHALL HAVE SHOP DRAWINGS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED. ITEMS MARKED (#) SHALL BE SUBMITTED FOR ENGINEER 'S RECORD ONLY.

A. STRUCTURAL STEEL (*)
B. STEEL JOISTS (*)
C. CONCRETE FORMWORK (#)
D. REINFORCING STEEL
E. STEEL STAIRS (*)
F. ARCHITECTURAL PRECAST (*)
G. STEEL DECK (*)
H. CURTAIN WALL (*)
I. CONCRETE MIX DESIGNS
J. CONSTRUCTION JOINT LOCATIONS IN STRUCTURAL FLOORS
K. ELEVATORS (#)
L. COLD-FORMED METAL FRAMING (*#)

5.4. DESIGN CALCULATIONS: THE GENERAL CONTRACTOR SHALL SUBMIT FOR ENGINEER'S REVIEW TWO SETS OF DESIGN CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED, FOR THE FOLLOWING ITEMS:

A. STRUCTURAL STEEL CONNECTIONS
B. STEEL JOISTS
C. STEEL STAIRS
D. COLD-FORMED METAL FRAMING
E. CURTAIN WALL
F. ARCHITECTURAL PRECAST CONNECTIONS
G. CONCRETE FORMWORK

6. DESIGN LOADS:

6.1. DEAD LOADS: ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE GENERAL CONTRACTOR TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF LOAD-CARRYING CAPACITY OF THE STRUCTURE.

6.2. LIVE LOADS: LIVE LOAD REDUCTIONS HAVE BEEN APPLIED TO THE STRUCTURAL MEMBERS IN ACCORDANCE WITH THE BUILDING CODE. PARTITION LIVE LOAD OF 15 PSF HAS BEEN INCLUDED AND IS INDICATED AS "+15" BELOW.

ROOF -- 20
PARKING DECKS ----------------------------------- 40
STAIRS, EXITWAYS --------------------------------- 100
CORRIDORS --- 100
CORRIDORS ABOVE 1ST FLOOR ------------- 80
STORAGE --- 125
OTHER AREAS -------------------------------------- 100
FLOORS -- 80

6.3. SNOW LOAD:

A. GROUND SNOW LOAD (Pg.) ---------------------------- 0 PSF
B. IMPORTANCE FACTOR (I) -------------------------------- 1.0
C. EXPOSURE FACTOR (Ce) ---------------------------------- 1.0
D. THERMAL FACTOR (Ct) ------------------------------------ 1.0
E. SLOPE FACTOR (Cs) --- 1.0
F. FLAT ROOF SNOW LOAD (Pf) --------------------------- 0 PSF

6.4. WIND LOADS:

A. BASIC WIND SPEED (3-SECOND GUST) -------------- 130 MPH
B. RISK CATEGORY -- III
C. WIND EXPOSURE --- C
D. INTERNAL PRESSURE COEFFICIENT -------------------- +/- 0.18
E. COMPONENTS AND CLADDING PRESSURES ------- SEE TYPICAL DETAILS

6.5. SEISMIC LOADS:

A. RISK CATEGORY -- III
B. SEISMIC IMPORTANCE FACTOR ------------------------ 1.25
C. MAPPED SPECTRAL RESPONSE ACCELERATIONS:

Ss-- 0.087
S1-- 0.060
SITE CLASS--- D

SPECTRAL RESPONSE COEFFICIENTS:

Sds-- 0.093
Sd1-- 0.096

D. SEISMIC DESIGN CATEGORY----------------------------- B

BASIC SEISMIC-FORCE RESISTING SYSTEM:

STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE, EXCLUDING CANTILEVER COLUMN SYSTEMS.

E. DESIGN BASE SHEAR-- 70 KIPS
F. SEISMIC RESPONSE COEFFICIENT (Cs)----------------- 0.0387
G. RESPONSE MODIFICATION FACTOR (R)--------------- 3.0
H. ANALYSIS PROCEDURE:

EQUIVALENT LATERAL FORCE METHOD

7. FOUNDATION NOTES:

7.1. GEOTECHNICAL REPORT: FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT BY GMC, TITLED "REPORT OF GEOTECHNICAL EXPLORATION, LOLLEY GYMNASIUM ADDITION????; ENTERPRISE, ALABAMA; GMC PROJECT NO. GBHM2600??". THE GENERAL CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL REPORT FROM THE OWNER AND FOLLOW ALL REQUIREMENTS WITHIN THE RECOMMENDATIONS SECTION.

7.2. MAXIMUM BEARING PRESSURES (PSF):
COLUMN FOOTINGS ------------------------------- 2000
CONTINUOUS WALL FOOTINGS ----------------- 2000

7.3. ALL FOUNDATION BEARING SURFACES SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE TO ENSURE THEIR COMPLIANCE WITH PRESSURES NOTED. ALL BOTTOM ELEVATIONS ARE ESTIMATED AND MAY BE ADJUSTED IN THE FIELD BY THE GEOTECHNICAL ENGINEER.

7.4. ALL AREAS TO HAVE SLABS ON GRADE SHALL BE PROOF ROLLED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT UNDER OBSERVATION OF THE GEOTECHNICAL ENGINEER AND APPROVED PRIOR TO PREPARATION FOR CONCRETE PLACEMENT.

7.5. COMPACTED FILL WITHIN THE BUILDING AREA SHALL MEET THE REQUIREMENTS NOTED IN THE GEOTECHNICAL REPORT.

7.6. BACKFILL FOR FOUNDATION AND RETAINING WALLS SHALL BE A FREE DRAINING GRANULAR MATERIAL, SUCH AS SIZE #57 STONE. BACKFILL SHALL BE COMPACTED SUFFICIENTLY TO PREVENT SUBSIDENCE OF SURFACE ADJACENT TO WALL. THE GRANULAR MATERIAL SHALL BE PLACED IN A 45 DEGREE WEDGE EXTENDING FROM THE BASE OF THE WALL (TOP OF FOOTING) TO WITHIN 1'-0" OF FINISHED GRADE.

8. FLOOR TOLERANCES:

8.1. AFTER PLACING SLABS, FINISH SURFACE TO THE FOLLOWING TOLERANCES OF F(F) (FLOOR FLATNESS) AND F(L) (FLOOR LEVELNESS) MEASURED ACCORDING TO ASTM E 1155:

FINISH TYPE	SLAB ON GRADE				FRAMED FLOOR	
	OVERALL		LOCAL		OVERALL	LOCAL
	FF	FF	FL	FF		
SCRATCH FINISH	15	13	13	11	20	17
FLOAT FINISH	18	15	15	13	20	17
TROWEL FINISH	20	17	17	15	20	17

8.2. SPECIFIED OVERALL F-NUMBERS APPLY TO THE WHOLE FLOOR, TAKEN AS ONE. MINIMUM LOCAL F-NUMBERS APPLY TO EACH SLAB, BOUNDED BY CONSTRUCTION JOINTS.

9. CONCRETE NOTES:

9.1. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS:

4000 PSI NORMAL WT. - SLAB ON GRADE, WALLS, PEDESTALS, ELEVATED FLOOR SLABS, UNLESS NOTED.

9.2. PEDESTAL, COLUMN AND WALL VERTICAL REINFORCING: DOWEL TO FOUNDATION WITH HOOKED BARS OF SAME SIZE AND SPACING AS VERTICAL REINFORCING.

9.3. EARTH SUPPORTED SLABS: 6" THICK, REINFORCED WITH 6X6 W2.9/W2.9 WWR (SHEETS) AT TOP THIRD OF SLAB DEPTH, UNLESS NOTED.

9.4. CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.

10. CONCRETE REINFORCING STEEL NOTES:

10.1. REINFORCING BARS: ASTM A615 GRADE 60.

10.2. WELDED WIRE REINFORCEMENT (WWR): ASTM A1064. MINIMUM LAP AND EMBEDMENT TO BE THE GREATER OF ONE CROSS WIRE SPACING PLUS 2 INCHES OR 6 INCHES.

10.3. REINFORCING STEEL SHOWN IN SECTIONS IS A SCHEMATIC INDICATION THAT REINFORCING EXISTS. SEE SCHEDULES, SECTION NOTES AND GENERAL NOTES FOR ACTUAL REINFORCING REQUIRED.

10.4. REINFORCING BAR PLACING ACCESSORIES IN ACCORDANCE WITH ACI MANUAL OF STANDARD PRACTICE. WHERE CONCRETE IS EXPOSED IN FINISHED BUILDING, PROVIDE ACCESSORIES WITH RUSTPROOF LEGS. WHERE CONCRETE IS SAND-BLASTED OR BUSH-HAMMERED, PROVIDE ACCESSORIES OF STAINLESS STEEL.

10.5. DETAIL REINFORCEMENT IN ACCORDANCE WITH ACI 315. REINFORCEMENT SHALL NOT BE WELDED UNLESS NOTED OR APPROVED BY THE ENGINEER.

10.6. ALL SPLICES SHALL BE CLASS "B" TENSION LAP SPLICE, UNLESS NOTED.

10.7. ALL REINFORCING MARKED "CONTINUOUS" SHALL BE SPLICED WITH CLASS "B" TENSION LAP SPLICE, UNLESS NOTED.

10.8. PROVIDE CORNER BARS WITH CLASS "B" LAP SPLICE AT ALL FOUNDATION INTERSECTIONS AND CORNERS.

10.9. CONCRETE COVERAGE OF REINFORCEMENT (UNO ON DRAWINGS):

FOOTINGS------------------------------3" BOTTOM & SIDES, 2" TOP
WALLS-------------------2" EXTERIOR FACE, 3/4" INTERIOR FACE
PEDESTALS--------------------------------------1-1/2" CLEAR OF TIES
COLUMNS---------------------------------------1-1/2" CLEAR OF TIES
SLABS NOT EXPOSED TO WEATHER-------3/4" BOTTOM & TOP
SLABS EXPOSED TO WEATHER-#5 OR LESS-----------------1 1/2"
#6 OR LARGER- ---------------2"

10.10. FIELD BENDING OF CONCRETE REINFORCING STEEL IS NOT PERMITTED WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.

11. CONCRETE FORMWORK NOTES:

11.1. ALL FORMWORK SHALL BE DESIGNED, ERECTED, SUPPORTED, BRACED, AND MAINTAINED ACCORDING TO STANDARD 347 RECOMMENDED PRACTICE FOR CONCRETE FORMWORK.

11.2. RESPONSIBILITY:

A. THE DESIGN, CONSTRUCTION, AND SAFETY OF ALL FORMWORK SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. ALL FORMS, SHORES, BACK SHORES, FALSE WORK, BRACING, AND OTHER TEMPORARY SUPPORTS SHALL BE ENGINEERED TO SUPPORT ALL LOADS IMPOSED INCLUDING THE WET WEIGHT OF CONCRETE, CONSTRUCTION EQUIPMENT, LIVE LOADS, LATERAL LOADS DUE TO WIND AND WET CONCRETE IMBALANCE. SEE SPECIFICATIONS FOR DETAILED REQUIREMENTS.

11.3. DESIGN:

A. THE DESIGN OF ALL CONCRETE FORMWORK SHALL BE PERFORMED BY A REGISTERED PROFESSIONAL STRUCTURAL ENGINEER IN THE STATE IN WHICH THE PROJECT IS LOCATED

11.4. TOLERANCES:

A. UNLESS SPECIFIED OTHERWISE, ALL TOLERANCES FOR CONCRETE FORMWORK SHALL CONFORM TO STANDARD 117, STANDARD TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS. THE CONTRACTOR SHALL ENGAGE A LICENSED SURVEYOR TO VERIFY THAT WORK IS WITHIN SPECIFIED TOLERANCES.

11.5. ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" CHAMFER, INCLUDING COLUMNS, BEAMS, SLABS, AND WALLS.

12. STRUCTURAL STEEL NOTES:

12.1. STRUCTURAL STEEL: ASTM A992 FOR WIDE FLANGE SHAPES; ASTM A36 ELSEWHERE.

12.2. HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE B.

12.3. WELDED CONNECTIONS: E70XX ELECTRODES, MINIMUM SIZE FILLET WELD 3/16".

12.4. HEADED ANCHOR RODS: ASTM F1554 GRADE 55 AND HEAVY HEX NUT, UNLESS OTHERWISE INDICATED.

12.5. HEADED STUDS: ASTM A108, GRADE 1015 OR 1020, COLD-FINISHED CARBON STEEL WITH DIMENSIONS COMPLYING WITH AISC.

12.6. BOLTED CONNECTIONS: ASTM F3125 GRADE A325-N AND SLIP-CRITICAL TYPE A325-SC IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS." BOLTS THROUGH 4" WIDE BEAM FLANGES SHALL BE 5/8" DIAMETER. OTHER BOLTS SHALL BE 3/4" DIAMETER. USE SLIP-CRITICAL CONNECTIONS FOR WIND FRAMES, MOMENT CONNECTIONS, SKYLIGHT FRAMING AND OTHER CONNECTIONS NOTED AS SLIP-CRITICAL. USE SNUG TIGHT BEARING CONNECTIONS FOR ALL OTHER BOLTED CONNECTIONS.

12.7. BOLTS SHOWN IN SECTIONS AND DETAILS ARE A SCHEMATIC INDICATION THAT BOLTS MAY BE USED. ACTUAL NUMBER, UNLESS SPECIFIED, TO BE IN ACCORDANCE WITH AISC.

12.8. ALL STRUCTURAL STEEL CONNECTIONS NOT SPECIFICALLY DETAILED ON THE DRAWINGS SHALL BE DESIGNED TO RESIST FORCES INDICATED, PROVIDED BY THE CONTRACTOR, UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED.

12.9. DESIGN CALCULATIONS FOR THE CONNECTIONS SHALL BE PROVIDED BY THE CONTRACTOR AND DESIGNED BY A PROFESSIONAL ENGINEER. CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED AND SHALL BE SUBMITTED FOR THE FILES OF THE ARCHITECT AND ENGINEER. THE CONNECTION DESIGNER SHALL REVIEW THE CONNECTIONS INDICATED IN THE SHOP DRAWINGS TO ENSURE THE SHOP DRAWINGS CONFORM WITH THE CONNECTION DESIGN CALCULATIONS. SHOP DRAWINGS CONTAINING CONNECTIONS FOR WHICH CALCULATIONS HAVE NOT BEEN RECEIVED WILL BE RETURNED UNCHECKED AS AN INCOMPLETE SUBMITTAL.

12.10. ALL NON-COMPOSITE BEAM CONNECTIONS SHALL BE "SIMPLE SHEAR CONNECTIONS" UNLESS NOTED. WHERE BEAM REACTIONS ARE NOT SHOWN ON THE DRAWINGS, THE CONNECTIONS SHALL BE DESIGNED TO SUPPORT A REACTION EQUAL TO ONE-HALF THE TOTAL UNIFORM LOAD CAPACITY FROM THE MAXIMUM TOTAL UNIFORM LOAD TABLE MULTIPLIED BY A FACTOR OF 1.2 FOR GIVEN SHAPE, SPAN, AND GRADE OF STEEL.

12.11. ALL COMPOSITE BEAM CONNECTIONS SHALL BE "SIMPLE SHEAR CONNECTIONS" UNLESS NOTED. WHERE BEAM REACTIONS ARE NOT SHOWN ON THE DRAWINGS THE CONNECTIONS SHALL BE DESIGNED TO SUPPORT A REACTION EQUAL TO ONE HALF THE TOTAL UNIFORM LOAD CAPACITY FROM THE MAXIMUM TOTAL UNIFORM TABLE MULTIPLIED BY A FACTOR OF 1.5 FOR GIVEN SHAPE, SPAN AND GRADE OF STEEL.

12.12. TO THE REACTION LISTED ABOVE, ADD ANY LOADS OR REACTIONS OF MEMBERS SUPPORTED BY THE BEAM WITHIN THREE FEET OF BEAM END AND THE VERTICAL COMPONENTS OF FORCES IN BRACE MEMBERS FRAMING INTO THE BEAM.

12.13. WHERE BEAM REACTIONS ARE SHOWN ON THE DRAWINGS, THE CONNECTIONS SHALL DEVELOP THE REACTIONS SHOWN. WHERE CONNECTIONS ARE SUBJECT TO ECCENTRICITY, SUCH ECCENTRICITY SHALL BE TAKEN INTO ACCOUNT WHEN DESIGNING AND DETAILING THE CONNECTION.

12.14. ALL BEAM CONNECTIONS SHALL BE DESIGNED FOR AN AXIAL LOAD OF 5% OF THE BEAM REACTION UNLESS NOTED.

12.15. FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES."

12.16. WHERE STEEL BEAMS ARE CONTINUOUS OVER COLUMNS, PROVIDE WEB STIFFENER PLATES ON EACH SIDE OF THE BEAM WEB, OF THICKNESS EQUAL TO THE BEAM FLANGE THICKNESS, LOCATED IN ALIGNMENT WITH COLUMN WEB OR FLANGES OR CENTER LINE OF TUBES AND PIPE COLUMNS.

12.17. FABRICATE CROSS BRACING WITH SUFFICIENT DRAW TO PREVENT SAGGING.

12.18. ALL COLUMN ANCHOR ROD HOLES TO BE OVERSIZED AS REQUIRED. THE MAXIMUM HOLE SIZE FOR ANCHOR RODS IN BASE PLATES SHALL CONFORM TO THE REQUIREMENTS LISTED IN TABLE 14-2 OF THE AISC STEEL CONSTRUCTION MANUAL. PLATE WASHERS ARE REQUIRED WITH ALL OVERSIZED HOLES AND SHALL MEET THE MINIMUM DIMENSIONS LISTED IN TABLE 14-2.

12.19. THE STEEL FRAME IS "NON-SELF-SUPPORTING". ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR UNTIL REQUIRED CONNECTIONS OR ELEMENTS ARE IN PLACE.

12.20. BRACING AND TRUSS CONNECTIONS SHALL BE SIZED TO DEVELOP THE LOAD SPECIFIED ON THE DESIGN DRAWINGS. FOR DESIGN PURPOSES (+) INDICATES TENSION AND (-) INDICATES COMPRESSION ON AXIALLY LOADED MEMBERS.

12.21. ALL CONNECTION DESIGN FORCES PROVIDED HAVE BEEN FACTORED USING ASD COMBINATIONS, UNO.

12.22. ALL EXPOSED STRUCTURAL STEEL SHALL BE ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) AND SHALL COMPLY WITH FABRICATION REQUIREMENTS, INCLUDING TOLERANCE LIMITS OF AISC'S "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" FOR STRUCTURAL STEEL IDENTIFIED AS ARCHITECTURALLY EXPOSED STRUCTURAL STEEL.

A. FABRICATE WITH EXPOSED SURFACES SMOOTH, SQUARE, AND FREE OF SURFACE BLEMISHES INCLUDING RUST, SCALE, SEAM MARKS, ROLLER MARKS, ROLLED TRADE NAMES AND ROUGHNESS.

B. REMOVE BLEMISHES BY FILLING AND GRINDING OR BY WELDING AND GRINDING, BEFORE CLEANING, TREATING, AND SHOP PRIMING.

13. STEEL JOIST NOTES:

13.1. DESIGN, FABRICATE, AND ERECT STEEL JOISTS IN ACCORDANCE WITH THE STEEL JOIST INSTITUTE.

13.2. PROVIDE A MINIMUM END BEARING ON STEEL SUPPORTS AS REQUIRED BY THE STEEL JOIST INSTITUTE. STAGGER THE ENDS OF JOIST IF NECESSARY AND GENERAL CONTRACTOR COORDINATE METAL DECK SPLICE LOCATION TO CENTER OVER JOIST.

13.3. PROVIDE HORIZONTAL AND DIAGONAL BRIDGING IN ACCORDANCE WITH SJI TO PROVIDE ADEQUATE JOIST CHORD BRACING.

13.4. AT JOIST PARALLEL TO MASONRY WALL, WELD EACH BRIDGING ROW TOP AND BOTTOM TO AN ANGLE L3X3X3/16X0'-6". ANCHOR ANGLE WITH TWO 3/8" DIAMETER SLEEVE ANCHORS WITH A TWO-INCH EMBEDMENT INTO WALL.

13.5. AT JOISTS PARALLEL TO BEAMS, ANCHOR BRIDGING ROWS BY WELDING TO BEAMS.

13.6. DESIGN ROOF JOISTS TO RESIST THE FOLLOWING WIND NET UPLIFT PRESSURES:

A. EDGE ZONES (REGIONS WITHIN Z DISTANCE OF ROOF EDGE) — 40 PSF.
B. CORNER ZONES (REGIONS WITHIN Z DISTANCE OF TWO INTERSECTING ROOF EDGES) -45 PSF.
C. INTERIOR ZONES (REGIONS THAT ARE NOT EDGE OR CORNER ZONES) — 27 PSF.
D. DISTANCE Z - 15 FT.

14. STEEL DECK NOTES:

14.1. DECK PROPERTIES AND ATTACHMENTS SHALL BE IN ACCORDANCE WITH THE STEEL DECK INSTITUTE.

14.2. DECK SHALL BE CONTINUOUS OVER THREE OR MORE SPANS.

14.3. GYM ROOF DECK: ACOUSTIC WIDE RIB TYPE "BA" STEEL ROOF DECK, 20 GA, 1-1/2" DEEP, GALVANIZED.

A. ROOF DECK ATTACHMENT: ATTACH TO SUPPORT WITH HILTI X-HSN 24 FASTENER ON A 36/5 PATTERNS WITH (5) HILTI S-SLC 02M HWH SIDELAP CONNECTORS PER SPAN. PROVIDE HILTI X-ENP-19 FASTENERS WHERE BASE MATERIAL IS GREATER THAN 3/8" THICK.

14.4. CANOPY ROOF DECK: WIDE RIB TYPE "B", STEEL ROOF DECK, 20 GA, 1-1/2" DEEP, GALVANIZED.

A. ROOF DECK ATTACHMENT: ATTACH ROOF DECK TO LIGHTGAGE TRUSSES USING #12 TEK CREWS ON A 36/4 PATTERN WITH 4#10 TEK SCREW SIDELAP FASTENERS PER SPAN.

14.5. COMPOSITE FLOOR DECK:

A. 7-1/2" OR 9-1/4" THICK CONCRETE SLAB ON STEEL COMPOSITE FLOOR DECK. DECK SHALL CONFORM TO 3VLI 18 GAGE GALVANIZED AS MANUFACTURED BY VULCRAFT OR APPROVED EQUAL.

B. REINFORCE SLAB WITH #4@12" EACH WAY (TOP).

C. DECK SHALL BE WELDED TO SUPPORTS WITH A 5/8" DIAMETER PUDDLE WELD OR EQUIVALENT AT ALL EDGE RIBS PLUS A SUFFICIENT NUMBER OF INTERIOR RIBS TO PROVIDE A MAXIMUM AVERAGE SPACING OF 12 INCHES. THE MAXIMUM SPACING BETWEEN ADJACENT POINTS OF ATTACHMENT SHALL NOT EXCEED 18 INCHES.

D. IF STUDS ARE BEING APPLIED THROUGH THE DECK ONTO STRUCTURAL STEEL, THE STUD WELDS CAN BE USED TO REPLACE THE PUDDLE WELDS ON A ONE-FOR-ONE BASIS.

E. DECK UNITS WITH SPANS GREATER THAN FIVE FEET SHALL HAVE SIDE LAPS AND PERIMETER EDGES FASTENED AT MIDSPAN OR 36" O.C. — WHICHEVER IS SMALLER.

14.6. SHEAR CONNECTORS: 3/4" DIAMETER, 6" LONG (AFTER WELD), HEADED STUDS ASTM A108. SPACE UNIFORMLY ALONG MEMBER WHERE SINGLE VALUE IS GIVEN. SPACE UNIFORMLY ALONG PART OF MEMBER BETWEEN SUPPORTED BEAMS, OR COLUMN AND BEAM, WHERE MORE THAN ONE VALUE IS GIVEN. MAXIMUM CONNECTOR SPACING IS 36" WHEN DECK RIBS ARE ORIENTED PERPENDICULAR TO BEAM AND 52" WHEN DECK RIBS ARE PARALLEL TO BEAM. MINIMUM SPACING OF SHEAR CONNECTORS SHALL BE 3" PERPENDICULAR TO BEAM AND 4-1/2" PARALLEL TO BEAM.

14.7. LIGHTGAGE METAL FRAMING, SUSPENDED CEILINGS, LIGHT FIXTURES AND DUCTS OR OTHER UTILITIES SHALL NOT BE SUPPORTED BY THE METAL ROOF DECK.

14.8. DO NOT SHORE DECK DURING CONCRETE PLACEMENT.

15. HILTI STEEL DECK FASTENING SYSTEMS (X-HSN-24 AND X-ENP-19):

15.1. SEE STEEL DECK NOTES AND TYPICAL DETAILS FOR ROOF DECK ATTACHMENT PATTERNS.

15.2. ALL POWDER-ACTUATED FASTENERS SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR AND SPECIAL INSPECTOR SHALL REFER TO APPLICABLE DOCUMENTATION FOR MORE INFORMATION.

15.3. FASTENING TOOL CALIBRATION SHALL BE COMPLETED PRIOR TO FASTENER INSTALLATION. CALIBRATION SHALL BE CHECKED PERIODICALLY DURING INSTALLATION AND ANY ADJUSTMENTS MADE AS REQUIRED TO ACHIEVE PROPER INSTALLATION.

15.4. PROPER CARTRIDGE SELECTION SHALL BE MADE DEPENDING ON THE BASE MATERIAL STRENGTH AND THICKNESS. REFER TO MANUFACTURER'S TECHNICAL GUIDES FOR SELECTION.

15.5. TIGHT DECK NESTING IS REQUIRED FOR PROPER INSTALLATION.

15.6. FASTENERS MUST CLAMP THE STEEL DECK DOWN TO THE BASE STEEL. THERE SHALL BE NO VISIBLE GAPS BETWEEN THE STEEL DECK AND THE BASE STEEL OR BETWEEN STEEL DECK LAYERS/LAPS.

15.7. WASHERS SHALL NOT BE DEFORMED, CURL UPWARD AWAY FROM THE DECK SURFACE, OR CUT INTO THE DECK SURFACE.

15.8. PROPER BASE STEEL EDGE DISTANCES SHALL BE MAINTAINED. REFER TO TYPICAL DETAILS AND MANUFACTURER'S RECOMMENDATIONS. THE MORE STRINGENT VALUES SHALL APPLY.

15.9. FASTENERS SHALL BE INSTALLED PERPENDICULAR TO THE BASE STEEL AND DECK. FASTENERS INSTALLED AT AN ANGLE ARE NOT ACCEPTABLE.

15.10. INSTALLATION OF THE X-HSN-24 FASTENER:

A. FOR USE WITH BASE STEEL THICKNESSES OF 1/8" TO 3/8" ONLY
B. THE TOP HAT AND WASHER SHALL BE PROPERLY COLLAPSED.
C. BOTTOM WASHERS SHALL BE SNUG AGAINST THE STEEL DECK.
D. THERE SHALL BE NO GAPS BETWEEN OR BELOW DECK LAYERS.
E. REFER TO ALL MANUFACTURER'S RECOMMENDATIONS.

15.11. INSTALLATION OF THE X-ENP-19 FASTENER:

A. FOR USE WITH BASE STEEL THICKNESSES GREATER THAN OR EQUAL TO 1/4"
B. THE PISTON MARK SHALL BE CLEARLY VISIBLE ON THE TOP WASHER
C. BOTH WASHERS SHALL BE SNUG TOGETHER AND AGAINST THE STEEL DECK
D. THERE SHALL BE NO GAPS BETWEEN OR BELOW DECK LAYERS.
E. REFER TO ALL MANUFACTURER'S RECOMMENDATIONS.

15.12. SPECIAL INSPECTOR SHALL BE FAMILIAR WITH ALL INSTALLATION REQUIREMENTS. CONTACT TUCKER-JONES ENGINEERS IF FURTHER CLARIFICATION IS REQUIRED OR FOR ASSISTANCE. CONTACT HILTI ENGINEER OR FIELD REPRESENTATIVE.

16. MASONRY NOTES:

16.1. MASONRY CONSTRUCTION SHALL CONFORM TO TMS 602-16 SPECIFICATION.

16.2. COMPRESSIVE STRENGTH OF MASONRY (f'm) SHALL BE 2000 PSI AT 28 DAYS. MASONRY UNIT STRENGTH OF 2000 PSI IS REQUIRED TO ACHIEVE REQUIRED f'm.

16.3. MASONRY GROUT FILL SHALL CONFORM TO ASTM C 476. GROUT EITHER FINE (SAND) OR COURSE (SAND + #76 STONE) AGGREGATE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI. MASONRY CONCRETE FILL SHALL CONFORM TO THE REQUIREMENTS NOTED UNDER "CONCRETE" IN THE GENERAL NOTES.

16.4. GROUTING

A. ALL BOND BEAMS SHALL BE FILLED WITH GROUT AND REINFORCED AS INDICATED ON THE DRAWINGS (DETAILS OR SCHEDULES). MORTAR FILL IS NOT PERMITTED.

B. ALL MASONRY WALL CELLS OR CAVITIES INDICATED AS REINFORCED SHALL BE GROUTED FOR THE FULL HEIGHT OF THE WALL, UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. UN-REINFORCED WALLS INDICATED AS GROUTED SHALL BE GROUTED FULL HEIGHT, UNLESS SPECIFICALLY NOTED OTHERWISE. MORTAR FILL IS NOT PERMITTED.

C. ALL MASONRY CELLS OR CAVITIES BELOW GRADE SHALL BE GROUTED SOLID UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. MORTAR FILL IS NOT PERMITTED.

D. VERTICAL GROUTING SHALL BE LOW LIFT OR HIGH LIFT AS FOLLOWS:

1. LOW LIFT GROUTING SHALL BE USED FOR ALL CAVITY WALLS AND MAY BE USED FOR ALL WALLS AT THE OPTION OF THE CONTRACTOR. LIFTS SHALL NOT EXCEED 4'-0" IN HEIGHT.
2. HIGH LIFT GROUTING IS PERMISSIBLE ONLY FOR FILLING OF CELLULAR MASONRY UNITS AND SHALL NOT EXCEED ONE STORY IN HEIGHT. CLEAN OUT HOLES SHALL BE PROVIDED AT THE BASE OF EACH GROUTED CELL.

16.5. MORTAR SHALL CONFORM TO ASTM C 270. MORTAR SHALL BE TYPE "M" FOR BELOW GRADE APPLICATIONS AND TYPE "S" FOR ABOVE GRADE APPLICATIONS AND SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH 1900 PSI.

16.6. ALL MASONRY SHALL BE RUNNING BOND, UNLESS NOTED.

16.7. ALL BLOCK CELLS AND CAVITIES BELOW GRADE SHALL BE FILLED WITH CONCRETE OR GROUT.

16.8. ALL INTERIOR PARTITION WALLS SHALL HAVE A 8" DEEP BOND BEAM WITH 1#5 CONTINUOUS TOP AND BOTTOM AT THE TOP OF THE WALL, UNLESS NOTED OTHERWISE IN DRAWINGS.

16.9. REINFORCING:

A. ALL BARS MARKED "CONTINUOUS" SHALL BE LAPPED PER "MASONRY WALL LAP SPLICE SCHEDULE" IN TYPICAL DETAILS.

B. FOUNDATION DOWELS MAY SLOPE A MAXIMUM OF 1:6 TO ALIGN WITH WALL CAVITIES OR VERTICAL CMU CORES. GREATER SLOPES WILL REQUIRE REPLACEMENT OF THE FOUNDATION DOWELS.

C. SPLICED REINFORCING SHALL BE LAPPED UNDER "REINFORCING" ABOVE OR AS SHOWN ON DRAWINGS, WHICHEVER IS GREATEST. ALL SPLICES SHALL BE WIRED TOGETHER.

D. VERTICAL REINFORCING BARS SHALL HAVE A MINIMUM CLEARANCE OF 3/4" FROM MASONRY AND SHALL BE HELD IN POSITION TOP AND BOTTOM AND AT INTERVALS NOT EXCEEDING 4'-0". ACCESSORIES FOR SUCH SUPPORT SHALL BE USED, PROVIDE "AA WIRE PRODUCTS COMPANY" (OR APPROVED EQUAL) REBAR POSITIONER AA225 OR AA239 FOR VERTICAL BARS AND AA28 FOR HORIZONTAL BARS OR APPROVED EQUAL PRODUCTS FROM OTHER SUPPLIERS.

E. HORIZONTAL JOINT REINFORCING SHALL BE LAPPED NO LESS THAN 6" AT ALL SPLICES, INCLUDING CORNERS AND TEES WHERE NO CONTROL JOINT IS USED.

F. ALL HORIZONTAL JOINT REINFORCING SHALL STOP AT CONTROL JOINTS.

G. HORIZONTAL REINFORCING IN BOND BEAMS SHALL BE CONTINUOUS THROUGH CONTROL JOINTS.

16.10. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS AND DETAILS OF MASONRY CONTROL JOINTS:

A. PROVIDE MAXIMUM SPACING OF 25'-0" O.C. ALONG CONTINUOUS RUNS OF CONCRETE MASONRY UNITS.

B. CONTROL JOINTS SHALL NOT BE WITHIN 4'-0" FROM ANY CORNER.

16.11. WHEN REINFORCING IS SPECIFIED, PROVIDE AT EACH SIDE OF CONTROL JOINTS, OPENINGS AND WALL ENDS.

16.12. ALL MASONRY WALLS SHOWN ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS HAVE BEEN DESIGNED TO RESIST THE REQUIRED CODE VERTICAL AND LATERAL FORCES IN THE FINAL CONSTRUCTED CONFIGURATION ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADEQUATELY BRACE THE WALLS FOR VERTICAL AND LATERAL LOADS THAT COULD POSSIBLY BE APPLIED PRIOR TO COMPLETION OF CONSTRUCTION.

16.13. PROVIDE HORIZONTAL LADDER-TYPE JOINT REINFORCEMENT AT 16" O.C., U.N.O.

17. COLD-FORMED METAL FRAMING NOTES:

17.1. ALL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AMERICAN IRON AND STEEL INSTITUTE.

17.2. ALL FRAMING MEMBERS SHALL BE FORMED FROM CORROSION-RESISTANT STEEL, CORRESPONDING TO THE REQUIREMENTS OF ASTM A1003, WITH A MINIMUM YIELD STRENGTH OF 33 KSI OR 50 KSI AS INDICATED.

17.3. ALL MEMBERS SHOWN ARE STANDARD DESIGNATIONS OF THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA).

17.4. DESIGN OF MEMBERS INDICATED IN STRUCTURAL DRAWINGS IS BASED ON MINIMUM PROPERTIES OF PRODUCTS PRODUCED BY "DIETRICH INDUSTRIES, INC." NO SUBSTITUTION OF MATERIALS IS ACCEPTABLE FOR USE WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER. SUBSTITUTIONS ARE ACCEPTABLE, SUBJECT TO APPROVAL OF THE STRUCTURAL ENGINEER AND SHALL MEET OR EXCEED ALL PROPERTIES OF PRODUCTS PRODUCED BY THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA).

17.5. FABRICATOR IS RESPONSIBLE FOR THE DESIGN AND DETAILING OF ALL LIGHTGAGE STEEL FRAMING AND SHALL RETAIN A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. THE ENGINEER SHALL SEAL AND SIGN BOTH CALCULATIONS AND SHOP DRAWINGS. GENERALLY, CONNECTIONS SHOWN ON THE DRAWINGS ARE SCHEMATIC AND ARE INTENDED ONLY TO SHOW THE RELATIONSHIP OF THE MEMBERS AND INFORMATION FOR PRICING/BIDDING.

17.6. SUBMIT CALCULATIONS AND SHOP DRAWINGS FOR DETAILS, FABRICATION, AND ERECTION OF LIGHTGAGE STEEL FRAMING DRAWINGS SHALL INCLUDE LAYOUT, SPACING, TYPE, MATERIAL/MEMBER PROPERTIES AND ALL DETAILS OF CONNECTIONS FOR ALL LIGHTGAGE STEEL FRAMING INDICATED ON THE STRUCTURAL DRAWINGS.

17.7. SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMISSION. DRAWINGS SHALL BEAR THE CONTRACTOR'S APPROVAL STAMP ACCEPTING RESPONSIBILITY FOR DIMENSIONS, QUANTITIES AND COORDINATION WITH THE OTHER TRADES.

17.8. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS OR AS REQUIRED FOR AN ANGULAR FIT TIGHT AGAINST ABUTTING MEMBERS.

17.9. AXIALLY LOADED STUDS SHALL BE INSTALLED IN A MANNER WHICH WILL ASSURE THAT THEIR ENDS ARE POSITIONED TIGHT AGAINST THE INSIDE OF RUNNER WEBS PRIOR TO FASTENING. PROVIDE WEAK-AXIS HORIZONTAL BRACING AT 36 INCHES MAXIMUM VERTICAL SPACING, BOTH STUD FLANGES. HORIZONTAL BRACING SHALL BE 1-1/2" X 20 GA STRAPS AND CS TYPE RUNNER SOLID BRIDGING AT EACH END OF WALL, ADJACENT TO WALL OPENINGS, AND 8'-0" O/C MAXIMUM.

17.10. FLOOR OR ROOF JOISTS SHALL HAVE SOLID BLOCKING, A CUT-TO-LENGTH CS TYPE CLOSURE OR JOIST SECTION PLACED BETWEEN OUTER JOISTS, OVER ALL INTERIOR SUPPORTS, ADJACENT TO OPENINGS AND AT 8'-0" O/C MAXIMUM. BETWEEN SOLID BLOCKING PROVIDE STRAP BRACING OF 1-1/2 X 20 GA STRAPS. JOIST BRIDGING SHALL BE PROVIDED AT MID-SPAN OR AT 8'-0" O/C MAXIMUM FOR SPANS EXCEEDING 15'-0".

17.11. WHERE STUD FRAME TO STRUCTURAL FLOOR OR ROOF MEMBERS SUBJECT TO DEFLECTION FROM OCCUPANT LIVE LOADING, A DEFLECTION CLIP ASSEMBLY SHALL BE PROVIDED AT THE TOP RUNNER TO ACCOMMODATE VERTICAL STRUCTURAL MOVEMENT.

17.12. FASTENING OF COMPONENTS SHALL BE BY SELF-DRILLING SCREWS OR BY WELDING AS DEFINED BELOW U.N.O. ON THE DRAWINGS.

17.13. SCREWED CONNECTIONS:

A. SCREWS SHALL BE TYPE S-12 OR TYPE S-4 FOR ALL FRAMING MEMBERS PER MANUFACTURER'S RECOMMENDATIONS.

B. A MINIMUM OF THREE (3) EXPOSED THREADS SHALL PENETRATE THROUGH ALL JOINED MATERIALS.

C. CORROSION-RESISTANT CADMIUM-PLATED SCREWS SHALL BE USED FOR SCREWS ATTACHING METAL LATH, MASONRY TIES, AND OTHER EXTERIOR MATERIALS.

17.14. WELDED CONNECTIONS:

A. USE GAS METAL ARC WELDING (GMAW) FOR 20 GA OR LIGHTER MEMBERS. AWS E-703-3, E-705-5, E-705-6 WIRE ELECTRODES OF 035" DIAMETER SHALL BE USED WITH CARBON DIOXIDE, ARGON-OXYGEN, OR AGRON-CARBON DIOXIDE GAS SHIELDING. WELDING EQUIPMENT SHALL PROVIDE 60 TO 100 AMPERES AT 25 VOLTS USING 220 VOLT 3-PHASE ELECTRIC SERVICE.

B. SHIELDED METAL ARC WELDING (SMAW) SHALL BE USED FOR 18 GA AND HEAVIER MEMBERS AWS E-6012, E-6013, OR E-014 ELECTRODES OF 3/32" OR 1/8" DIAMETER SHALL BE USED. WELDING EQUIPMENT HEAT SETTING SHALL BE VARIED DEPENDENT ON MATERIAL THICKNESS.

C. ALL WELDS SHALL BE TOUCHED UP WITH A ZINC RICH PAINT, OR PAINT SIMILAR TO THAT USED BY THE FRAMING MEMBER SUPPLIER ON PAINTED MEMBERS FROM THE SUPPLIER.

17.15. CUTTING OF STEEL FRAMING MEMBERS MAY BE DONE WITH A SAW OR CUTTING SHEARS. TORCH CUTTING OF LOAD BEARING MEMBERS IS NOT PERMITTED.

17.16. COMPLETE, UNIFORM, AND LEVEL BEARING SUPPORT SHALL BE PROVIDED FOR THE BOTTOM RUNNER. AT SPLICES WHERE SUPPORT IS NOT COMMON TO BOTH RUNNERS, EITHER BUTT WELD RUNNERS OR USE A STUD SECTION INSERTED IN THE RUNNER AS A SPLICING MEMBER ATTACHED PER MANUFACTURER'S RECOMMENDATIONS. RUNNER INTERSECTIONS SHALL BUTT EVENLY.

17.17. SPACING OF STUDS SHALL HAVE A TOLERANCE OF 1/8" FROM THAT SHOWN ON THE DRAWINGS, PROVIDING THAT THE CUMULATIVE ERROR DOES NOT EXCEED THE REQUIREMENTS OF OTHER MATERIALS OR CONSTRUCTION.

17.18. ALIGNMENT OF STUDS (PLUMBNESS) AND WALLS (STRAIGHTNESS) SHALL BE WITHIN 1/960TH OF THEIR RESPECTIVE HEIGHTS AND LENGTHS.

17.19. STUDS SHALL BE PLUMBED ALIGNED AND SECURELY ATTACHED TO BOTH TOP AND BOTTOM RUNNERS. SPLICES IN STUDS ARE NOT PERMITTED.

17.20. TEMPORARY BRACING WHERE REQUIRED, SHALL BE PROVIDED UNTIL ERECTION IS COMPLETED.

17.21. WHERE MANUFACTURER'S RECOMMENDATIONS FOR ERECTION, ATTACHMENT, ASSEMBLY, BRACING ALIGNMENT OR OTHER REQUIREMENTS ARE MORE STRINGENT THAN INDICATED IN THESE DRAWINGS OR THE PROJECT SPECIFICATIONS, THE MANUFACTURER'S RECOMMENDATIONS SHALL APPLY.

18. PREFABRICATED COLD-FORMED METAL TRUSS NOTES:

18.1. STRUCTURAL PROPERTIES OF TRUSS MEMBERS SHALL BE COMPUTED IN ACCORDANCE WITH AISI "NORTH AMERICAN SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS"

18.2. THE TRUSS FABRICATOR IS RESPONSIBLE FOR THE DESIGN AND DETAILING OF ALL PREFABRICATED COLD-FORMED METAL TRUSS FRAMING AND SHALL RETAIN A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. THE ENGINEER SHALL SEAL AND SIGN BOTH CALCULATIONS AND SHOP DRAWINGS.

18.3. THE TRUSS MANUFACTURER SHALL DESIGN FOR THE FOLLOWING SUPERIMPOSED LOADS (IN ADDITION TO ANY LOADS NOTED ON THE STRUCTURAL DRAWINGS OR OTHER CONSULTANTS/TRADES DRAWINGS):

A. TOP CHORD DEAD LOAD ------------------------------------ 20 PSF
B. BOTTOM CHORD DEAD LOAD ------------------------------ 10 PSF
C. TOP CHORD LIVE LOAD --------------------------------------- 20 PSF

18.4. DESIGN ROOF TRUSSES TO RESIST THE UPLIFT WIND PRESSURES INDICATED IN THE TABLE ON S1.05. COORDINATE WIND PRESSURES IN TABLE WITH "COMPONENTS AND CLADDING ZONES" DIAGRAM ON S1.05. TRUSSES SHALL BE DESIGNED FOR WIND UPLIFT USING THE FOLLOWING:

A. DEAD LOAD --- 8 PSF

18.5. SUBMIT CALCULATIONS AND SHOP DRAWINGS FOR DETAILS FABRICATION, AND ERECTION OF COLD-FORMED METAL TRUSS FRAMING. DRAWINGS SHALL INCLUDE LAYOUT, SPACING, TYPE, MATERIAL/MEMBER PROPERTIES, TEMPORARY BRACING, PERMANENT BRACING, AND ALL DETAILS OF CONNECTIONS FOR ALL COLD-FORMED METAL TRUSS FRAMING INDICATED ON THE STRUCTURAL DRAWINGS.

18.6. SHOP DRAWINGS SHALL BE REVIEWED BY THE GENERAL CONTRACTOR PRIOR TO SUBMISSION. DRAWINGS SHALL BEAR THE CONTRACTOR'S APPROVAL STAMP ACCEPTING RESPONSIBILITY FOR DIMENSIONS, QUANTITIES, AND COORDINATION WITH THE OTHER TRADES.

18.7. ALL TEMPORARY AND PERMANENT BRACING MEMBERS AND CONNECTIONS REQUIRED FOR PREFABRICATED COLD-FORMED METAL TRUSSES SHALL BE DESIGNED AND DETAILED ON THE TRUSS MANUFACTURER'S ERECTION PLANS. BRACING MEMBERS SHALL BE FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR.

18.8. TEMPORARY BRACING SHALL NOT IMPOSE ANY FORCE ON THE SUPPORTING STRUCTURE. PERMANENT BRACING FORCES SHALL BE TRANSFERRED TO THE ROOF DIAPHRAGM BY THE BRACING DESIGN PROVIDED BY THE TRUSS MANUFACTURER

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ISSUE	DATE
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ALABAMA REGISTERED PROFESSIONAL ENGINEER No. 31254 CHRISTOPHER S. STOREY
11/06/2026

GENERAL NOTES

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2021 IBC - SCHEDULE OF SPECIAL INSPECTIONS

MATERIAL/ACTIVITY	EXTENT	INSTRUCTIONS/FREQUENCY
INSPECTION OF FABRICATORS (IBC 1704.2.5)		
VERIFY FABRICATION/QUALITY CONTROL PROCEDURES	PERIODIC	REVIEW THE QUALITY CONTROL PROCEDURES OF THE FOLLOWING FABRICATORS FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE FABRICATOR'S SCOPE OF WORK: STEEL FABRICATOR, WOOD TRUSS FABRICATOR, REBAR FABRICATOR.
SPECIAL CASES (IBC 1705.1.1)		
WORK UNUSUAL IN NATURE, INCLUDING BUT NOT LIMITED TO ALTERNATIVE MATERIALS AND SYSTEMS, UNUSUAL DESIGN APPLICATIONS, AND/OR MATERIALS AND SYSTEMS WITH SPECIAL MANUFACTURER'S REQUIREMENTS		PERFORM SUBMITTAL REVIEW, SHOP AND/OR FIELD INSPECTION PER DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE OR REPORT FROM AN ACCEPTED ENTITY.
STEEL CONSTRUCTION (IBC 1705.2)		
FABRICATOR AND ERECTOR DOCUMENTS (VERIFY REPORTS AND CERTIFICATES AS LISTED IN AISC 360-16, CHAPTER N, SECTION 3 FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS)	EACH SUBMITTAL	TO BE COMPLETED IN SUBMITTAL REVIEW PROCESS.
MATERIAL VERIFICATION OF STRUCTURAL STEEL	PERIODIC	PERFORM SHOP AND FIELD INSPECTION.
VERIFY DIAMETER, GRADE, TYPE, LENGTH, AND EMBEDMENT OF ANCHOR RODS FOR CONFORMANCE WITH CONSTRUCTION DOCUMENTS.	CONTINUOUS	
VERIFY MEMBER LOCATIONS, BRACES, STIFFENERS, AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION COMPLY WITH CONSTRUCTION DOCUMENTS.	CONTINUOUS	
STRUCTURAL STEEL (IBC 1705.2.1)		
PRIOR TO WELDING (TABLE N5.4-1, AISC 360-16)		
WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	OBSERVE	
WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	PERFORM	TO BE COMPLETED IN SUBMITTAL REVIEW PROCESS.
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	PERFORM	
MATERIAL IDENTIFICATION	OBSERVE	PERFORM SHOP AND FIELD INSPECTION TO VERIFY TYPE AND GRADE OF MATERIAL.
WELDER IDENTIFICATION	OBSERVE	A SYSTEM SHALL BE MAINTAINED BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED
FIT-UP GROOVE WELDS	OBSERVE	VERIFY JOINT PREPARATION, DIMENSIONS, CLEANLINESS, TACKING, AND BACKING
FIT-UP OF CJP GROOVE WELDS OF HSS T-, Y-, AND K-JOINTS WITHOUT BACKING	OBSERVE	VERIFY JOINT PREPARATION, DIMENSIONS, CLEANLINESS, AND TACKING
ACCESS HOLES	OBSERVE	VERIFY CONFIGURATION AND FINISH
FIT-UP OF FILLET WELDS	OBSERVE	VERIFY ALIGNMENT, GAPS AT ROOT, CLEANLINESS OF STEEL SURFACES, AND TACK WELD QUALITY AND LOCATION
DURING WELDING (TABLE N5.4-2, AISC 360-16):		
CONTROL AND HANDLING OF WELDING CONSUMABLES	OBSERVE	VERIFY PACKAGING AND EXPOSURE CONTROL.
CRACKED TACK WELDS	OBSERVE	VERIFY THAT WELDING DOES NOT OCCUR OVER CRACKED TACK WELDS.
ENVIRONMENTAL CONDITIONS	OBSERVE	VERIFY WIND SPEED IS WITHIN LIMITS AS WELL AS PRECIPITATION AND TEMPERATURE.
WPS FOLLOWED	OBSERVE	VERIFY ITEMS SUCH AS SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED, AND PROPER POSITION.
WELDING TECHNIQUES	OBSERVE	VERIFY INTERPASS AND FINAL CLEANING, EACH PASS IS WITHIN PROFILE LIMITATIONS, AND QUALITY OF EACH PASS.
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	PERFORM	
AFTER WELDING (TABLE N5.4-3, AISC 360-16):		
WELDS CLEANED	OBSERVE	VERIFY THAT WELDS HAVE BEEN PROPERLY CLEANED.
SIZE, LENGTH, AND LOCATION OF WELDS	PERFORM	
WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERFORM	VERIFY THAT WELDS MEET VISUAL ACCEPTANCE CRITERIA INCLUDING: CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES, WELD SIZE, UNDERCUT, AND POROSITY.
ARC STRIKES	PERFORM	
K-AREA	PERFORM	WHEN WELDING OF DOUBLER PLATES, CONTINUITY PLATES OR STIFFENERS HAS BEEN PERFORMED IN THE K-AREA, VISUALLY INSPECT THE WEB K-AREA FOR CRACKS WITHIN 3 INCHES OF THE WELD.
WELD ACCESS HOLES IN ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES	PERFORM	AFTER ROLLED HEAVY SHAPES AND BUILT-UP HEAVY SHAPES ARE WELDED, VISUALLY INSPECT THE WELD ACCESS HOLE FOR CRACKS
BACKING & WELD TABS REMOVED (IF REQUIRED)	PERFORM	
REPAIR ACTIVITIES	PERFORM	
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT/MEMBER	PERFORM	
NO PROHIBITED WELDS HAVE BEEN ADDED WITHOUT THE APPROVAL OF THE EOR	OBSERVE	
NONDESTRUCTIVE TESTING (SECTION N5.5, AISC 360-16):		
CJP WELDS (RISK CAT. II)	PERFORM	ULTRASONIC TESTING SHALL BE PERFORMED ON 10% OF CJP GROOVE WELDS IN BUTT, T-AND CORNER JOINTS SUBJECT TO TRANSVERSELY APPLIED TENSION LOADING IN MATERIALS 5/16-INCH THICK OR GREATER. TESTING RATE MUST BE INCREASED IF > 5% OF WELDS TESTED HAVE UNACCEPTABLE DEFECTS.
CJP WELDS (RISK CAT. III OR IV)	CONTINUOUS	A REDUCTION IN THE RATE OF 100% ULTRASONIC TESTING IS ALLOWED PER SECTION N5.5E.
WELDED JOINTS SUBJECT TO FATIGUE	PERFORM	WHEN REQUIRED BY APPENDIX 3, TABLE A-3.1, WELDED JOINTS REQUIRING WELD SOUNDNESS TO BE ESTABLISHED BY RADIOGRAPHIC OR ULTRASONIC INSPECTION SHALL BE TESTED AS PRESCRIBED.
PRIOR TO BOLTING (TABLE N5.6-1, AISC 360-16):		
> NOT REQUIRED IF ONLY SNUG-TIGHT JOINTS ARE SPECIFIED [PER SECTION N5.6 OF AISC 360-16].		
CERTIFICATIONS OF FASTENERS	PERFORM	
FASTENERS MARKED	OBSERVE	VERIFY THAT FASTENERS HAVE BEEN MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS. THIS INCLUDES THE REQUIRED PACKAGE MARKING OF THE FASTENERS AND FASTENER COMPONENTS.
CORRECT FASTENERS FOR JOINT	OBSERVE	VERIFY GRADE, TYPE, AND BOLT LENGTH IF THREADS ARE EXCLUDED FROM THE SHEAR PLANE.
CORRECT BOLTING PROCEDURE	OBSERVE	VERIFY CORRECT PROCEDURE IS USED FOR THE JOINT DETAIL.
CONNECTING ELEMENTS	OBSERVE	VERIFY APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET REQUIREMENTS.
PRE-INSTALLATION VERIFICATION TESTING	OBSERVE	OBSERVE AND DOCUMENT VERIFICATION TESTING BY INSTALLATION PERSONNEL FOR FASTENER ASSEMBLIES AND METHODS USED.
PROTECTED STORAGE	OBSERVE	VERIFY PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS.
DURING BOLTING (TABLE N5.6-2, AISC 360-16):		
> NOT REQUIRED IF ONLY SNUG-TIGHT JOINTS ARE SPECIFIED [PER SECTION N5.6 OF AISC 360-16].		
> NOT REQUIRED FOR PRETENSIONED JOINTS USING TURN-OF-THE-NUT METHOD WITH MATCH-MARKING, DIRECT-TENSION-INDICATORS, OR TWIST-OFF TYPE TENSION CONTROL METHOD [PER SECTION N5.6 OF AISC 360-16].		
FASTENER ASSEMBLIES	OBSERVE	VERIFY THAT FASTENER ASSEMBLIES ARE OF SUITABLE CONDITION, PLACED IN ALL HOLES, AND WASHERS ARE POSITIONED AS REQUIRED.
SNUG-TIGHT PRIOR TO PRETENSIONING	OBSERVE	VERIFY THAT JOINTS ARE BROUGHT TO SNUG-TIGHT CONDITION PRIOR TO PRETENSIONING OPERATION.
FASTENER COMPONENT	OBSERVE	VERIFY THAT FASTENER COMPONENT IS NOT TURNED BY WRENCH PREVENTED FROM ROTATING.
PRETENSIONED FASTENERS	OBSERVE	VERIFY THAT FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES.
AFTER BOLTING (TABLE N5.6-3, AISC 360-16):		
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	PERFORM	
INSPECTION OF GALVANZIED STRUCTURAL STEEL MAIN MEMBERS (SECTION N5.7, AISC 360-16):		
CRACKS ON CUT SURFACES	PERFORM	EXPOSED CUT SURFACES OF GALVANIZED STRUCTURAL STEEL MAIN MEMBERS AND EXPOSED CORNERS OF HSS SHALL BE VISUALLY INSPECTED FOR CRACKS SUBSEQUENT TO GALVANIZING. CRACKS SHALL BE REPAIRED OR THE MEMBER SHALL BE REJECTED.
OTHER STEEL INSPECTIONS (SECTION N5.8, AISC 360-16; TABLE J8.1, AISC 341-16):		
ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL	CONTINUOUS	SHALL BE ON THE PREMISES DURING THE PLACEMENT OF ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS. VERIFY THE DIAMETER, GRADE, TYPE, AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM, AND THE EXTENT OR DEPTH OF EMBEDMENT PRIOR TO PLACEMENT OF CONCRETE.
FABRICATED STEEL OR ERECTED STEEL FRAME	PERFORM	VERIFY COMPLIANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DOCUMENTS (INCLUDES SUCH ITEMS AS BRACES, STIFFENERS, MEMBER LOCATIONS AND THE CORRECT APPLICATION OF JOINT DETAILS AT EACH CONNECTION.
REDUCED BEAM SECTIONS (RBS)	PERFORM	VERIFY CONTOUR AND FINISH AS WELL AS DIMENSIONAL TOLERANCES (SEE TABLE J8.1 OF AISC 341-16).
PROTECTED ZONES	PERFORM	VERIFY THAT NO HOLES OR UNAPPROVED ATTACHMENTS ARE MADE WITHIN THE PROTECTED ZONE (SEE TABLE J8.1 OF AISC 341-16).
STEEL ELEMENTS OF COMPOSITE CONSTRUCTION (SECTION J9, AISC 341-16)		
PLACEMENT AND INSTALLATION OF STEEL DECK	PERFORM	REFERENCE SDI QA/QC - 2017, TABLE 1.1
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	PERFORM	REFERENCE AISC 360-16, TABLE N5.4-2
DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS	PERFORM	
REINFORCING STEEL	CONTINUOUS	VERIFY APPROPRIATE REINFORCEMENT TYPE/GRADE, SIZE, SPACING, AND ORIENTATION; THAT IT HAS NOT BEEN RE-BENT IN THE FIELD; THAT IT IS CORRECTLY TIED AND SUPPORTED; AND THAT REQUIRED STEEL CLEARANCES HAVE BEEN PROVIDED.
COMPOSITE MEMBER SIZE	PERFORM	VERIFY THAT COMPOSITE MEMBER IS THE REQUIRED SIZE
H-PILES (TABLE J10.1, AISC 341-16)	PERFORM	VERIFY THAT NO HOLES OR UNAPPROVED ATTACHMENTS OCCUR WITHIN THE PROTECTED ZONES OF PILING.
COLD-FORMED STEEL DECK (IBC 1705.2.2)		
PRIOR TO DECK PLACEMENT (SDI QA/QC - 2017, TABLE 1.1):		
VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS	PERFORM	
DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	PERFORM	
AFTER DECK PLACEMENT (SDI QA/QC - 2017, TABLE 1.2):		
VERIFY COMPLIANCE OF MATERIALS AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS	PERFORM	
VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS	PERFORM	
DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES	PERFORM	
PRIOR TO WELDING (SDI QA/QC - 2017, TABLE 1.3):		
WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	OBSERVE	
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	OBSERVE	

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MATERIAL/ACTIVITY	EXTENT	INSTRUCTIONS/FREQUENCY
MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE	
CHECK WELDING EQUIPMENT	OBSERVE	
DURING WELDING (SDI QA/QC - 2017, TABLE 1.4):		
USE OF QUALIFIED WELDERS	OBSERVE	
CONTROL AND HANDLING OF WELDING CONSUMABLES	OBSERVE	
ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)	OBSERVE	
WPS FOLLOWED	OBSERVE	
AFTER WELDING (SDI QA/QC - 2017, TABLE 1.5):		
VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS	PERFORM	
WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERFORM	
VERIFY REPAIR ACTIVITIES	PERFORM	
DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	PERFORM	
PRIOR TO MECHANCIAL FASTENING (SDI QA/QC - 2017, TABLE 1.6):		
MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	OBSERVE	
PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	OBSERVE	
PROPER STORAGE FOR MECHANICAL FASTENERS	OBSERVE	
DURING MECHANICAL FASTENING (SDI QA/QC - 2017, TABLE 1.7):		
FASTENERS ARE POSITIONED AS REQUIRED	OBSERVE	
FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	OBSERVE	
AFTER MECHANCIAL FASTENING (SDI QA/QC - 2017, TABLE 1.8):		
CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS	PERFORM	
CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS	PERFORM	
CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS	PERFORM	
VERIFY REPAIR ACTIVITIES	PERFORM	
DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	PERFORM	
OPEN-WEB STEEL JOISTS AND JOIST GIRDERS (IBC 1705.2.3):		
INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS (IBC TABLE 1705.2.3)		
END CONNECTIONS - WELDED OR BOLTED	PERIODIC	SJI SPECIFICATIONS LISTED IN IBC SECTION 2207.1
BRIDGING - HORIZONTAL OR DIAGONAL	PERIODIC	SJI SPECIFICATIONS LISTED IN IBC SECTION 2207.1 FOR STANDARD BRIDGING. SPECIAL INSPECTION ALSO REQUIRED FOR BRIDGING THAT DIFFERS FROM THESE SJI SPECIFICATIONS.
CONCRETE CONSTRUCTION (IBC 1705.3 AND IBC TABLE 1705.3):		
INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT	PERIODIC	REFERENCE ACI 318 CH. 20, 25.2, 25.3, 26.6.1-26.6.3 AND IBC 1908.4
INSPECT ANCHORS CAST IN CONCRETE	PERIODIC	REFERENCE ACI 318: 17.8.2
INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:	CONTINUOUS	SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH ACI 318: 17.8.2 OR OTHER QUALIFICATION PROCEDURES. WHERE NOT PROVIDED, CONSULT WITH REGISTERED DESIGN PROFESSIONAL FOR REQUIREMENTS TO BE APPROVED BY BUILDING OFFICIAL PRIOR TO PROCEEDING.
ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	CONTINUOUS	REFERENCE ACI 318: 17.8.2.4
MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED ABOVE	PERIODIC	REFERENCE ACI 318: 17.8.2
VERIFY USE OF REQUIRED DESIGN MIX.	PERFORM	REFERENCE ACI 318: CH. 19, 26.4.3, 26.4.4 AND IBC 1904.1-2
PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	CONTINUOUS	REFERENCE ASTM C172 & C31; ACI 318: 26.4, 26.12
INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	REFERENCE ACI 318: 26
VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	REFERENCE ACI 318: 26.5.3-5
MASONRY CONSTRUCTION (IBC 1705.4)		
LEVEL 2 QUALITY ASSURANCE (TMS 402-16 TABLE 3.1 & TMS 602-16 TABLES 3&4)		APPLICABLE TO RISK CATEGORIES I, II, III
VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS PRIOR TO CONSTRUCTION		MINIMUM VERIFICATION - REFERENCE TMS 602, ART. 1.5
VERIFY F'M AND F'AAC PRIOR TO CONSTRUCTION, EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE		MINIMUM VERIFICATION - REFERENCE TMS 602, ART. 1.4 B
VERIFY SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) WHEN SELF-CONSOLIDATING GROUT IS DELIVERED TO THE PROJECT SITE		MINIMUM VERIFICATION - REFERENCE TMS 602, ART. 1.5 & 1.6.3
AS MASONRY CONSTRUCTION BEGINS, VERIFY THE FOLLOWING ARE IN COMPLIANCE:		
PROPORTIONS OF SITE-PREPARED MORTAR	PERIODIC	REFERENCE TMS 602, ART. 2.1, 2.6 A & 2.6 C
GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES	PERIODIC	REFERENCE TMS 602, ART. 2.4 B & 2.4 H
GRADE, TYPE AND SIZE OF REINFORCEMENT, CONNECTORS, ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES	PERIODIC	REFERENCE TMS 602, ART. 3.4 & 3.6 A
PRESTRESSING TECHNIQUE	PERIODIC	REFERENCE TMS 602, ART. 3.6 B
PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	CONTINUOUS/PERIODIC	CONTINUOUS IS REQUIRED FOR THE FIRST 5000 SF OF AAC MASONRY; PERIODIC IS REQUIRED AFTER THE FIRST 5000 SF OF AAC MASONRY. REFERENCE TMS 602, ART. 2.1 C
SAMPLE PANEL CONSTRUCTION	PERIODIC	REFERENCE TMS 602, ART. 1.6 D
PRIOR TO GROUTING, VERIFY THE FOLLOWING ARE IN COMPLIANCE:		
GROUT SPACE	PERIODIC	REFERENCE TMS 602, ART. 3.2 D & 3.2 F
PLACEMENT OF PRESTRESSING TENDONS AND ANCHORAGES	PERIODIC	REFERENCE TMS 402, SEC. 10.8 & 10.9 AND TMS 602, ART. 2.4 & 3.6
PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS	PERIODIC	REFERENCE TMS 402, SEC. 6.1, 6.3.1, 6.3.6 & 6.3.7 AND TMS 602, ART. 3.2 E & 3.4
PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	PERIODIC	REFERENCE TMS 602, ART. 2.6 B & 2.4 G.1.B
VERIFY COMPLIANCE OF THE FOLLOWING DURING CONSTRUCTION:		
MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS	PERIODIC	REFERENCE TMS 602, ART. 1.5
PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION.	PERIODIC	REFERENCE TMS 602, ART. 3.3 B
SIZE AND LOCATION OF STRUCTURAL ELEMENTS	PERIODIC	REFERENCE TMS 602, ART. 3.3 F
TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION	PERIODIC	REFERENCE TMS 402, SEC. 1.2.1 (E), 6.2.1, & 6.3.1
WELDING OF REINFORCEMENT	CONTINUOUS	REFERENCE TMS 402, SEC. 6.1.6.1.2
PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (<40°F) OR HOT WEATHER (>90°F)	PERIODIC	REFERENCE TMS 602, ART. 1.8 C & 1.8 D
APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	CONTINUOUS	REFERENCE TMS 602, ART. 3.6 B
PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE	CONTINUOUS	REFERENCE TMS 602, ART. 3.5 & 3.6 C
PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	CONTINUOUS/PERIODIC	CONTINUOUS IS REQUIRED FOR THE FIRST 5000 SF OF AAC MASONRY; PERIODIC IS REQUIRED AFTER THE FIRST 5000 SF OF AAC MASONRY. REFERENCE TMS 602, ART. 3.3 B.9 & 3.3 F.1.B
OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	PERIODIC	REFERENCE TMS 602, ART. 1.4 B.2.A.3, 1.4 B.2.B.3, 1.4 B.2.C.3, 1.4 B.3, 1.4 B.4
SOILS (IBC 1705.6)		
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC	
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC	
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	PERIODIC	
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	CONTINUOUS	
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC	
FABRICATED ITEMS (IBC 1705.11)		
SPECIAL INSPECTIONS OF FABRICATED ITEMS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 1704.2.5.		
SPECIAL INSPECTIONS FOR WIND RESISTANCE (IBC 1705.12)		
WIND-RESISTING COMPONENTS (IBC 1705.12.3)		
FASTENING OF ROOF COVERING, ROOF DECK AND ROOF FRAMING CONNECTIONS	PERIODIC	REQUIRED IN AREAS OF WIND EXPOSURE CATEGORY B, WHERE V(ASD) = 150 MPH OR GREATER OR AREAS OF WIND EXPOSURE CATEGORY C OR D, WHERE V(ASD) IS 110 MPH OR GREATER
FASTENING OF EXTERIOR WALL COVERING AND WALL CONNECTIONS TO ROOF AND FLOOR DIAPHRAGMS AND FRAMING.	PERIODIC	REQUIRED IN AREAS OF WIND EXPOSURE CATEGORY B, WHERE V(ASD) = 140 MPH OR GREATER OR AREAS OF WIND EXPOSURE CATEGORY C OR D, WHERE V(ASD) IS 110 MPH OR GREATER
SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE (IBC 1705.13)		
STRUCTURAL STEEL (IBC 1705.13.1)		
SPECIAL INSPECTIONS OF STRUCTURAL STEEL IN THE SEISMIC FORCE-RESISTING SYSTEMS IN BUILDINGS AND STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B, C, D, E, OR F SHALL BE PERFORMED IN ACCORDANCE WITH THE QUALITY ASSURANCE REQUIREMENTS OF AISC 341	AS NOTED	EXCEPTION: (1) IN BUILDINGS AND STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B OR C, SPECIAL INSPECTIONS ARE NOT REQUIRED FOR STRUCTURAL STEEL SEISMIC FORCE-RESISTING SYSTEMS WHERE THE RESPONSE MODIFICATION COEFFICIENT, R, DESIGNATED FOR "STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE, EXCLUDING CANTILEVER COLUMN SYSTEMS" IN ASCE 7, TABLE 12.2-1 HAS BEEN USED FOR DESIGN AND DETAILING. (2) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E, OR F, SPECIAL INSPECTIONS ARE NOT REQUIRED FOR STRUCTURAL STEEL SEISMIC FORCE-RESISTING SYSTEMS WHERE DESIGN AND DETAILING IN ACCORDANCE WITH AISC 360 IS PERMITTED BY ASCE 7-22, TABLE 15.4-1.
SPECIAL INSPECTIONS OF STRUCTURAL STEEL ELEMENTS IN THE SEISMIC FORCE-RESISTING SYSTEMS OF BUILDINGS AND STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B, C, D, E, OR F OTHER THAN THOSE COVERED ABOVE, INCLUDING STRUTS, COLLECTORS, CHORDS, AND FOUNDATION ELEMENTS, SHALL BE PERFORMED IN ACCORDANCE WITH THE QUALITY ASSURANCE REQUIREMENTS OF AISC 341-16.	AS NOTED	EXCEPTION: (1) IN BUILDINGS AND STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B OR C, SPECIAL INSPECTIONS OF STRUCTURAL STEEL ELEMENTS ARE NOT REQUIRED FOR SEISMIC FORCE-RESISTING SYSTEMS WITH A RESPONSE MODIFICATION COEFFICIENT, R, OF 3 OR LESS. (2) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E, OR F, SPECIAL INSPECTIONS OF STRUCTURAL STEEL ELEMENTS ARE NOT REQUIRED FOR SEISMIC FORCE-RESISTING SYSTEMS WHERE DESIGN AND DETAILING OTHER THAN AISC 341 IS PERMITTED BY ASCE 7, TABLE 15.4-1. SPECIAL INSPECTIONS SHALL BE IN ACCORDANCE WITH THE APPLICABLE REFERENCED STANDARD LISTED IN ASCE 7-22, TABLE 15.4-1.
DESIGNATED SEISMIC SYSTEMS (IBC 1705.13.4)		
EXAMINE DESIGNATED SEISMIC SYSTEMS REQUIRING SEISMIC QUALIFICATION IN ACCORDANCE WITH SECTION 13.2.2 OF ASCE 7-16 AND VERIFY THAT THE LABEL, ANCHORAGE AND MOUNTING CONFORM TO THE CERTIFICATE OF COMPLIANCE.	AS NOTED	REQUIRED FOR STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E, OR F.
ARCHITECTURAL COMPONENTS (IBC 1705.13.5)		
SPECIAL INSPECTION IS REQUIRED FOR THE ERECTION AND FASTENING OF EXTERIOR CLADDING, INTERIOR AND EXTERIOR NONBEARING WALLS AND INTERIOR AND EXTERIOR VENEER IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E OR F.	PERIODIC	EXCEPTION: NOT REQUIRED FOR (1) EXTERIOR CLADDING, INTERIOR AND EXTERIOR NONBEARING WALLS AND INTERIOR AND EXTERIOR VENEER 30 FT OR LESS IN HEIGHT ABOVE GRADE OR WALKING SURFACE, (2) EXTERIOR CLADDING AND INTERIOR AND EXTERIOR VENEER WEIGHING 5 PSF OR LESS, (3) INTERIOR NONBEARING WALLS WEIGHING 15 PSF OF LESS.
ACCESS FLOORS (IBC 1705.13.5.1)	PERIODIC	VERIFY ANCHORAGE OF ACCESS FLOORS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E, OR F.
PLUMBING, MECHANICAL, AND ELECTRICAL COMPONENTS (IBC 1705.13.6)		
ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY AND STANDBY POWER SYSTEMS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E, OR F.	PERIODIC	
ANCHORAGE OF OTHER ELECTRICAL EQUIPMENT IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY E OR F.	PERIODIC	

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MATERIAL/ACTIVITY	EXTENT	INSTRUCTIONS/FREQUENCY
INSTALLATION AND ANCHORAGE OF PIPING SYSTEMS DESIGNED TO CARRY HAZARDOUS MATERIALS AND THEIR ASSOCIATED MECHANICAL UNITS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F.	PERIODIC	
INSTALLATION AND ANCHORAGE OF DUCTWORK DESIGNED TO CARRY HAZARDOUS MATERIALS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E, OR F.	PERIODIC	
INSTALLATION AND ANCHORAGE OF VIBRATION ISOLATION SYSTEMS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E, OR F WHERE THE APPROVED CONSTRUCTION DOCUMENTS REQUIRE A NOMINAL CLEARANCE OF 1/4 INCH OR LESS BETWEEN THE EQUIPMENT SUPPORT FRAME AND RESTRAINT.	PERIODIC	
INSTALLATION OF MECHANICAL AND ELECTRICAL EQUIPMENT, INCLUDING DUCT WORK, PIPING SYSTEMS AND THEIR STRUCTURAL SUPPORTS, WHERE AUTOMATIC FIRE SPRINKLER SYSTEMS ARE INSTALLED IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E, OR F	PERIODIC	VERIFY ONE OF THE FOLLOWING: (1) MINIMUM CLEARANCES HAVE BEEN PROVIDED AS REQUIRED BY SECTION 13.23.3 ASCE/SEI 7 OR (2) A NOMINAL CLEARANCE OF NOT LESS THAN 3 INCHES HAS BEEN PROVIDED BETWEEN FIRE PROTECTION SPRIKLER SYSTEM DROPS AND SPRIGS AND; STRUCTURAL MEMBERS NOT USED COLLECTIVELY OR INDEPENDENTLY TO SUPPORT THE SPRINKLERS; EQUIPMENT ATTACHED TO THE BUILDING STRUCTURE; AND OTHER SYSTEMS' PIPING. WHERE FLEXIBLE SPRINKLER HOSE FITTINGS ARE USED, SPECIAL INSPECTION OF MINIMUM CLEARANCES IS NOT REQUIRED.
STORAGE RACKS (IBC 1705.13.7)	PERIODIC	REQUIRED FOR ANCHORAGE OF STORAGE RACKS THAT ARE 8 FEET OR GREATER IN HEIGHT IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B, C. D, E, OR F DURING THE FABRICATION AND INSTALLATION OF ISOLATOR UNITS AND ENERGY DISSIPATION DEVICES.
MATERIALS USED, TO VERIFY COMPLIANCE WITH ONE OR MORE OF THE MATERIAL TEST REPORTS IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.	PERIODIC	
FABRICATED STORAGE RACK ELEMENTS.	PERIODIC	REFERENCE IBC SECTION 1704.2.5.
STORAGE RACK ANCHORAGE INSTALLATION.	PERIODIC	REFERENCE ANSI/MH16.1 SECTION 7.3.2.
COMPLETED STORAGE RACK SYSTEM, TO INDICATE COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.	PERIODIC	
SEISMIC ISOLATION SYSTEMS (IBC 1705.13.8)	PERIODIC	REQUIRED FOR SEISMIC ISOLATION SYSTEMS IN SEISMICALLY ISOLATED STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B, C, D, E OR F DURING THE FABRICATION AND INSTALLATION OF ISOLATOR UNITS AND ENERGY DISSIPATION DEVICES.
COLD-FORMED STEEL SPECIAL BOLTED MOMENT FRAMES (IBC 1705.13.9)	PERIODIC	REQUIRED FOR THE INSTALLATION OF COLD-FORMED STEEL SPECIAL BOLTED MOMENT FRAMES IN THE SEISMIC FORCE-RESISTING SYSTEMS OF STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E, OR F.
TESTING FOR SEISMIC RESISTANCE (IBC 1705.14)		
STRUCTURAL STEEL (IBC 1705.14.1)		
NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL IN THE SEISMIC FORCE-RESISTING SYSTEMS IN BUILDINGS AND STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B, C, D, E OR F SHALL BE PERFORMED IN ACCORDANCE WITH THE QUALITY ASSURANCE REQUIREMENTS OF AISC 341.	CONTINUOUS	EXCEPTION: (1) IN BUILDINGS AND STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B OR C, NONDESTRUCTIVE TESTING IS NOT REQUIRED FOR STRUCTURAL STEEL SEISMIC FORCE-RESISTING SYSTEMS WHERE THE RESPONSE MODIFICATION COEFFICIENT, R, DESIGNATED FOR "STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE, EXCLUDING CANTILEVER COLUMN SYSTEMS" IN ASCE 7, TABLE 12.2-1 HAS BEEN USED FOR DESIGN AND DETAILING. (2) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E, OR F, NONDESTRUCTIVE TESTING IS NOT REQUIRED FOR STRUCTURAL STEEL SEISMIC FORCE-RESISTING SYSTEMS WHERE DESIGN AND DETAILING IN ACCORDANCE WITH AISC 360 IS PERMITTED BY ASCE 7-22, TABLE 15.4-1.
NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS IN THE SEISMIC FORCE-RESISTING SYSTEMS OF BUILDINGS AND STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B, C, D, E, OR F OTHER THAN THOSE COVERED ABOVE, INCLUDING STRUTS, COLLECTORS, CHORDS AND FOUNDATION ELEMENTS, SHALL BE PERFORMED IN ACCORDANCE WITH THE QUALITY ASSURANCE REQUIREMENTS OF AISC 341.	CONTINUOUS	EXCEPTION: (1) IN BUILDINGS AND STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B OR C, NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS ARE NOT REQUIRED FOR SEISMIC FORCE-RESISTING SYSTEMS WITH A RESPONSE MODIFICATION COEFFICIENT, R, OF 3 OR LESS. (2) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY D, E, OR F, NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS ARE NOT REQUIRED FOR SEISMIC FORCE-RESISTING SYSTEMS WHERE DESIGN AND DETAILING OTHER THAN AISC 341 IS PERMITTED BY ASCE 7, TABLE 15.4-1. NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS SHALL BE IN ACCORDANCE WITH THE APPLICABLE REFERENCED STANDARD LISTED IN ASCE 7-22, TABLE 15.4-1.
NONSTRUCTURAL COMPONENTS AND DESIGNATED SEISMIC SYSTEMS (IBC 1705.13.2 AND 1705.13.3)	CONTINUOUS	PER THE REGISTERED DESIGN PROFESSIONAL WHERE THE REQUIREMENTS OF ASCE 7-16, SECTIONS 13.2.1 AND 13.2.2 APPLY.
SEISMIC ISOLATION SYSTEMS (IBC 1705.14.4)	CONTINUOUS	SEISMIC ISOLATION SYSTEMS IN SEISMICALLY ISOLATED STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY B, C, D, E, OR F SHALL BE TESTED IN ACCORDANCE WITH ASCE 7-22, SECTION 17.8.
SPRAYED FIRE-RESISTANT MATERIALS (IBC 1705.15)		
PHYSICAL AND VISUAL TESTS	CONTINUOUS	INCLUDES CONDITION OF SUBSTRATES, THICKNESS OF APPLICATION, DENSITY IN POUNDS PER CUBIC FOOT, BOND STRENGTH ADHESION/COHESION, AND CONDITION OF FINISHED APPLICATION.
STRUCTURAL MEMBER SURFACE CONDITIONS IN CONFORMANCE WITH APPROVED FIRE-RESISTANCE DESIGN AND MANUFACTURER'S INSTRUCTIONS	CONTINUOUS	THE PREPARED SURFACE OF STRUCTURAL MEMBERS TO BE SPRAYED SHALL BE INSPECTED PRIOR TO FIRE-RESISTANT MATERIAL APPLICATION.
APPLICATION PER MANUFACTURER'S INSTRUCTIONS	CONTINUOUS	VERIFY SUBSTRATE MINIMUM AMBIENT TEMPERATURE BEFORE AND AFTER APPLICATION AND REQUIRED VENTILATION DURING AND AFTER APPLICATION.
THICKNESS IN CONFORMANCE WITH APPLICABLE SUBSECTIONS OF IBC 1705.15.4	CONTINUOUS	NOT MORE THAN 10% OF THE THICKNESS MEASUREMENTS APPLIED TO FLOOR, ROOF AND WALL ASSEMBLIES AND STRUCTURAL MEMBERS SHALL BE LESS THAN THE THICKNESS REQUIRED BY THE APPROVED DESIGN, AND NONE SHALL BE LESS THAN THE MINIMUM THICKNESS PER IBC 1705.14.4.1.
DENSITY MEETS REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASTM E605	PERIODIC	DENSITY TESTS: (1) FROM EACH FLOOR, ROOF AND WALL ASSEMBLY AT THE RATE OF NOT LESS THAN ONE SAMPLE FOR EVERY 2500 SF OR PORTION THEREOF OF THE SPRAYED AREA IN EACH STORY (2) FROM BEAMS, GIRDERS, TRUSSES, AND COLUMNS AT THE RATE OF NOT LESS THAN ONE SAMPLE FOR EACH TYPE OF STRUCTURAL MEMBER FOR EACH 2500 SF OF FLOOR AREA OR PORTION THEREOF IN EACH STORY.
BOND STRENGTH MEETS REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASTM E736 (SHALL NOT BE LESS THAN 150 PSF)	PERIODIC	BOND STRENGTH TESTS: (1) ONE SAMPLE FOR EVERY 2500 SF IN EACH STORY FOR FLOOR, ROOF AND WALL ASSEMBLIES (2) ONE SAMPLE FOR EVERY 2500 SF IN EACH STORY FOR EACH TYPE OF STRUCTURAL MEMBER (3) BOND TESTS TO QUALIFY A PRIMER, PAINT OR ENCAPSULANT SHALL BE CONDUCTED IF APPLICABLE. A BONDING AGENT APPROVED BY THE SFRM MANUFACTURER SHALL BE APPLIED WHERE BOND STRENGTHS DO NOT MEET REQUIRED VALUES.
MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS (IBC 1705.16)		
VERIFICATION AND INSPECTION OF FIRE-RESISTANCE DESIGN DESIGNATED IN CONSTRUCTION DOCUMENTS	PERIODIC	SHALL BE PERFORMED IN ACCORDANCE WITH AWCI 12-B; VERIFY SURFACE PREPARATION AND THICKNESS
EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) (IBC 1705.17)		
EIFS APPLICATIONS	CONTINUOUS	EXCEPTION: NOT REQUIRED WHERE INSTALLED OVER A WATER-RESISTIVE BARRIER WITH A MEANS OF DRAINING MOISTURE TO THE EXTERIOR OR WHERE INSTALLED OVER MASONRY OR CONCRETE WALLS.
WATER-RESISTIVE BARRIER COATING	CONTINUOUS	INSPECTION OF THE WATER-RESISTIVE BARRIER COATING COMPLYING WITH ASTM E2570 IS REQUIRED WHERE INSTALLED OVER A SHEATHING SUBSTRATE.
FIRE-RESISTANT PENETRATIONS AND JOINTS (IBC 1705.18)		
INSPECTION OF PENETRATION FIRESTOPS SHALL BE CONDUCTED BY AN APPROVED AGENCY IN ACCORDANCE WITH ASTM E2174.	CONTINUOUS	INSPECTION REQUIRED IN HIGH-RISE BUILDINGS OR IN BUILDINGS ASSIGNED TO RISK CATEGORY III OR IV FOR THROUGH-PENETRATIONS, MEMBRANE PENETRATION FIRESTOPS, FIRE-RESISTANT JOINT SYSTEMS AND PERIMETER FIRE BARRIER SYSTEMS THAT ARE TESTED AND LISTED IN ACCORDANCE WITH SECTIONS 714.4.1.2, 714.5.1.2, 715.3 AND 715.4.
INSPECTION OF FIRE-RESISTANT JOINT SYSTEMS SHALL BE CONDUCTED BY AN APPROVED AGENCY IN ACCORDANCE WITH ASTM E2393.	CONTINUOUS	INSPECTION REQUIRED IN HIGH-RISE BUILDINGS OR IN BUILDINGS ASSIGNED TO RISK CATEGORY III OR IV FOR THROUGH-PENETRATIONS, MEMBRANE PENETRATION FIRESTOPS, FIRE-RESISTANT JOINT SYSTEMS AND PERIMETER FIRE BARRIER SYSTEMS THAT ARE TESTED AND LISTED IN ACCORDANCE WITH SECTIONS 714.4.1.2, 714.5.1.2, 715.3 AND 715.4.
TESTING FOR SMOKE CONTROL (IBC 1705.19)		
LEAKAGE TESTING AND RECORDING OF DEVICE LOCATION DURING ERECTION OF DUCTWORK	CONTINUOUS	SHALL BE PERFORMED PRIOR TO CONCEALMENT
PRESSURE DIFFERENCE TESTING, FLOW MEASUREMENTS AND DETECTION AND CONTROL VERIFICATION	PERIODIC	SHALL BE PERFORMED PRIOR TO OCCUPANCY AND AFTER SUFFICIENT COMPLETION
APPROVED AGENCY QUALIFICATIONS	AS NOTED	APPROVED AGENCIES MUST HAVE EXPERTISE IN FIRE PROTECTION ENGINEERING, MECHANICAL ENGINEERING AND CERTIFICATION AS AIR BALANCERS.
STRUCTURAL OBSERVATIONS (IBC 1704.6)		
ITEM TO BE OBSERVED:		NAME OF STRUCTURAL OBSERVER
FOOTINGS & PIERS		
CONCRETE WALLS		
MASONRY WALLS		
STEEL BRACED FRAMES		
STEEL DECK DIAPHRAGMS		

*INSPECTION AGENTS FIRM	ADDRESS	TELEPHONE NO.
1. OWNER'S TESTING AGENCY		
2.		
3.		
4.		

NOTE: THE INSPECTION AND TESTING AGENT(S) SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OF SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK. THE QUALIFICATIONS OF THE INSPECTION AGENT(S) MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL.

DATE:

NOTES:
1. STRUCTRUAL STEEL WELDING:
   A. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS - CONTINUOUS.
   B. MULTIPLE - PASS FILLET WELDS - CONTINUOUS.
   C. PLUG AND SLOT WELDS - CONTINUOUS.
   D. SINGLE - PASS FILLET WELDS < 5/16" - PERIODIC.
   E. DECK WELDS - PERIODIC.
2. EXCEPTIONS: SPECIAL INSPECTIONS SHALL NOT BE REQUIRED FOR:
   A. ISOLATED SPREAD CONCRETE FOOTINGS OF BUILDINGS THREE STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK.
   B. CONTINUOUS CONCRETE FOOTINGS SUPPORTING WALLS OF BUILDINGS THREE STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK WHERE:
      a. FOOTINGS SUPPORT WALLS OF LIGHT-FRAME CONSTRUCTION.
      b. FOOTINGS ARE DESIGNED IN ACCORDANCE WITH TABLE 1809.7.
      c. THE STRUCTURAL DESIGN OF THE FOOTING IS BASED ON A SPECIFIED COMPRESSIVE STRENGTH, F'c, NO GREATER THAN 2500 POUNDS PER SQUARE INCH (PSI), REGARDLESS OF THE COMPRESSIVE STRENGTH SPECIFIED IN THE CONSTRUCTION DOCUMENTS OR USED IN THE FOOTING CONSTRUCTION.

DEFINITIONS:
1. **PERIODIC** - PART-TIME OR INTERMITTENT OBSERVATION OF WORK THAT HAS BEEN/IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK.
2. **CONTINUOUS** - FULL-TIME OBSERVATION OF WORK. INSPECTOR IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.
3. **OBSERVE** - INSPECT THESE ITEMS ON A RANDOM/INTERMITTENT BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
4. **PERFORM** - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER, BOLTED CONNECTION, OR STEEL ELEMENT PRIOR TO FINAL ACCEPTANCE.

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ISSUE	DATE
ISSUED FOR BID	2026.11.06

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

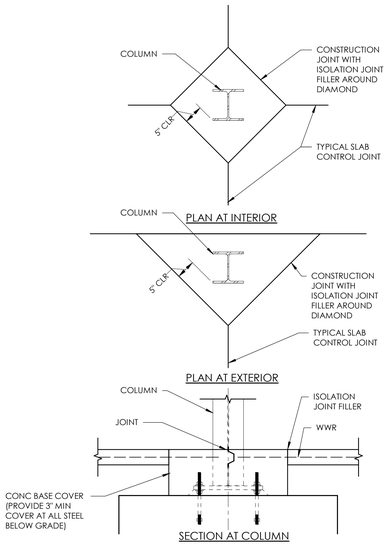
ALABAMA REGISTERED No. 31254 PROFESSIONAL ENGINEER CHRISTOPHER S. STOREY
11/06/2026

2021 SCHEDULE OF SPECIAL INSPECTIONS

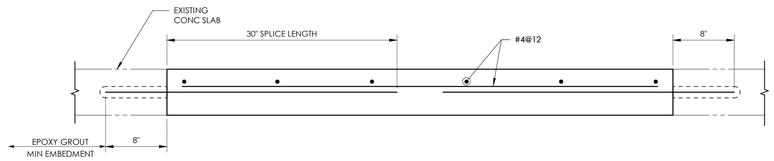
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3300 CAHABA ROAD, SUITE 210
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PROJECT #25105

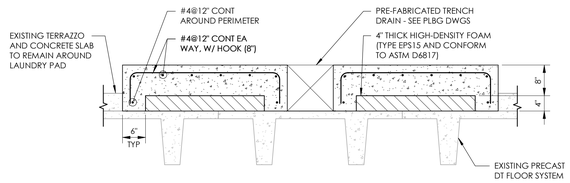


TYPICAL ISOLATION JOINT



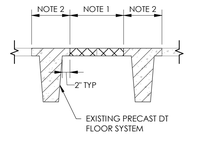
TYPICAL SLAB INFILL

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



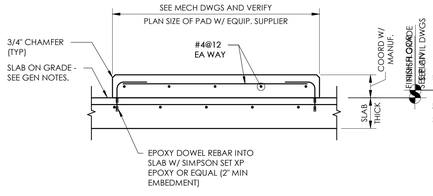
TYPICAL EQUIPMENT PAD ON EXISTING PRECAST DT FLOOR SYSTEM

NOTES:
1. REMOVE EXISTING TERRAZZO AND CONCRETE SLAB (±5" THICK) AT LAUNDRY HOUSEKEEPING PAD. DO NOT DAMAGE EXISTING PRECAST DT FLOOR SYSTEM DURING DEMO.



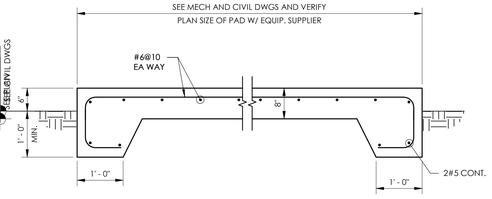
TYPICAL PLUMBING PENETRATIONS IN EXISTING PRECAST DT FLOOR SYSTEM

NOTES:
1. HATCHED AREA INDICATES - 8'Ø MAXIMUM CORE, UNLESS NOTED ON PLAN. PROVIDE 3xDIA. FOR SPACING BETWEEN ADJACENT CORES, MINIMUM. DO NOT CORE THROUGH PRECAST TEE (WEB).
2. HATCHED AREA INDICATES - DO NOT CORE THROUGH TEE (WEB) OF EXISTING PRECAST DT FLOOR SYSTEM.



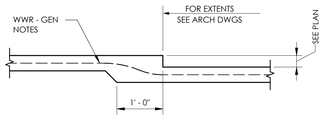
TYPICAL INTERIOR EQUIPMENT PAD DETAIL

NOTES:
1. PROVIDE 6" MINIMUM BEYOND EQUIPMENT EXTENTS IN EACH DIRECTION.

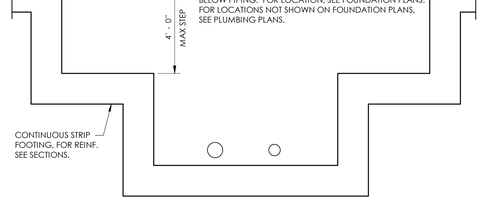


TYPICAL EXTERIOR MECHANICAL EQUIPMENT PAD DETAIL

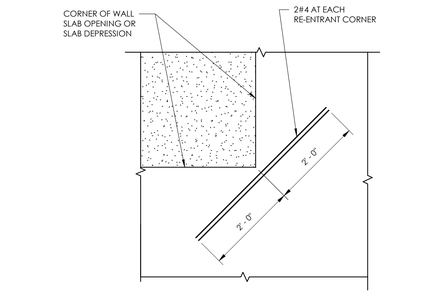
NOTES:
1. PROVIDE 6" MINIMUM BEYOND EQUIPMENT EXTENTS IN EACH DIRECTION.



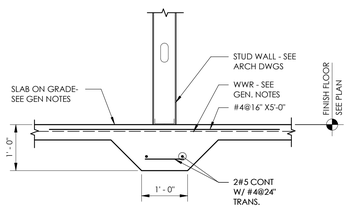
TYPICAL DEPRESSED SLAB ON GRADE



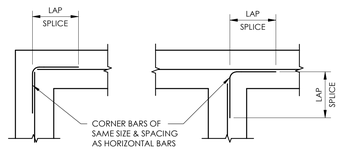
TYPICAL FOUNDATION WALL AT PIPING



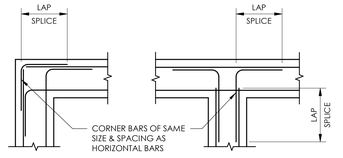
TYPICAL RE-ENTRANT SLAB CORNER REINFORCING DETAIL



TYPICAL THICKENED SLAB AT INTERIOR STUD PARTITION



SINGLE LAYER REINFORCEMENT



DOUBLE LAYER REINFORCEMENT

TYPICAL WALL CORNER REINFORCING DETAIL

COLUMN TENSION LAP SPLICE LENGTHS

CONCRETE f'c (PSI)	BAR SIZE #5	#6	#7	#8	#9	#10	#11
3000	36"	43"	63"	72"	81"	91"	101"
4000	31"	37"	54"	62"	70"	79"	87"

SLAB/WALL TENSION LAP SPLICE SCHEDULE

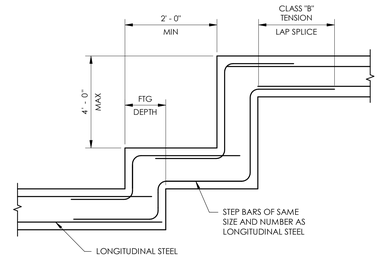
BAR SIZE	f'c = 4000 PSI TOP BARS	OTHER BARS
#3	15"	12"
#4	25"	19"
#5	36"	28"
#6	49"	37"
#7	78"	60"
#8	97"	74"
#9	117"	90"
#10	141"	108"
#11	165"	127"

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

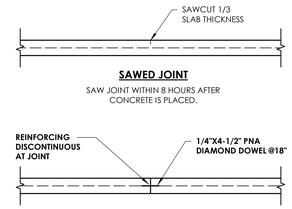
FOOTING TENSION LAP SPLICE SCHEDULE

BAR SIZE	f'c = 4000 PSI TOP BARS	OTHER BARS
#3	25"	19"
#4	33"	25"
#5	41"	31"
#6	49"	37"
#7	71"	54"
#8	81"	62"
#9	91"	70"
#10	101"	78"
#11	114"	87"

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



TYPICAL FOOTING STEP



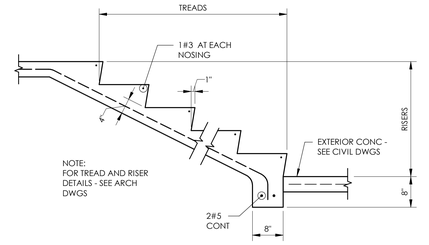
SAWED JOINT

SAW JOINT WITHIN 8 HOURS AFTER CONCRETE IS PLACED.

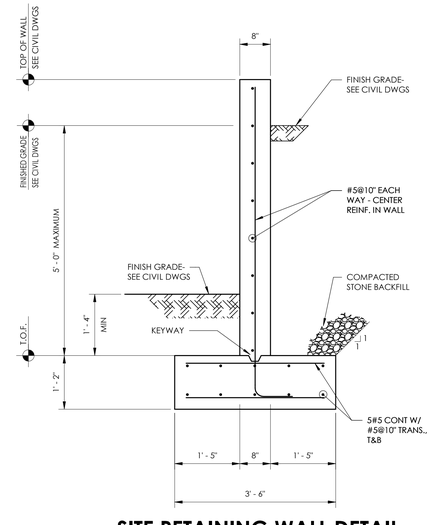
CONSTRUCTION JOINT

TYPICAL 4" SLAB CONTROL JOINT

JOINT TYPE IS OPTIONAL



TYPICAL STAIR ON GRADE



SITE RETAINING WALL DETAIL

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ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
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ACCS 2025 130 ESCC
GMC ABHM250051

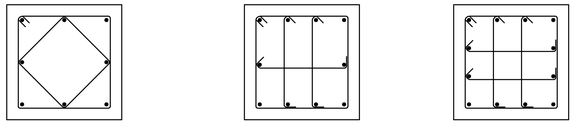
ALABAMA REGISTERED PROFESSIONAL ENGINEER No. 31714 CHRISTOPHER S. SMITH
11/06/2026

TYPICAL DETAILS

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PROJECT #25105



8 BARS
NOTE: ALTERNATE POSITION OF TIE HOOK IN PLACING SUCCESSIVE SETS OF TIES

10 BARS
NOTE: ALTERNATE POSITION OF TIE HOOK IN PLACING SUCCESSIVE SETS OF TIES

12 BARS
NOTE: ALTERNATE POSITION OF TIE HOOK IN PLACING SUCCESSIVE SETS OF TIES

TYPICAL PEDESTAL TIES

PLATE WASHER AND BASEPLATE HOLE Ø SCHEDULE		
BOLT Ø	HOLE Ø	PLATE WASHER
3/4"	1-5/16"	1/4"x2"x2"
1"	1- 7/8"	3/8"x3"x3"
1 1/4"	2-1/8"	1/2"x3-1/2"x3-1/2"
1 1/2"	2-3/8"	1/2"x4"x4"
1 3/4"	2-7/8	5/8"x4-1/2"x4-1/2"
2"	3-1/4"	3/4"x5"x5"

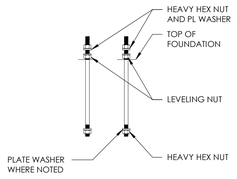
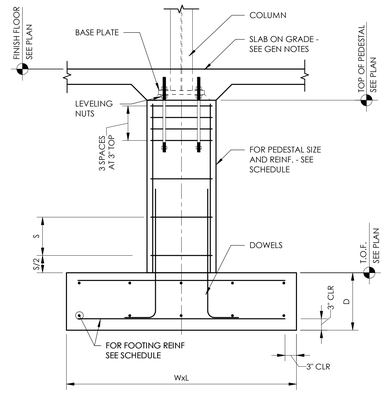
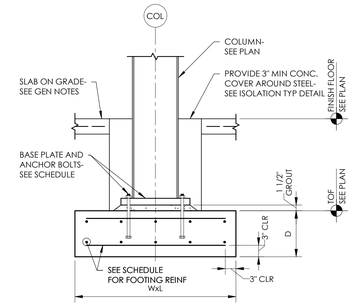


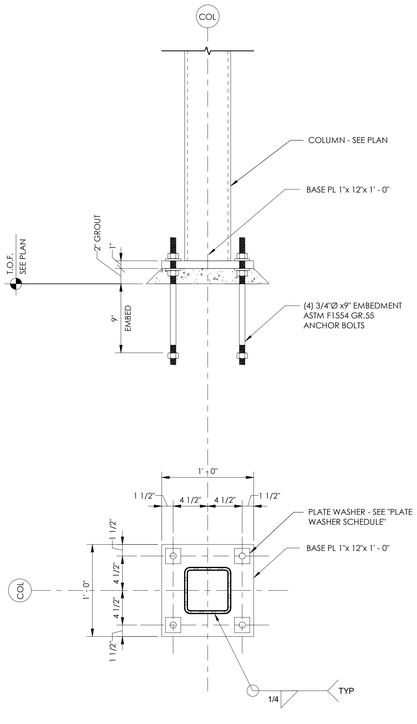
PLATE WASHER SCHEDULE



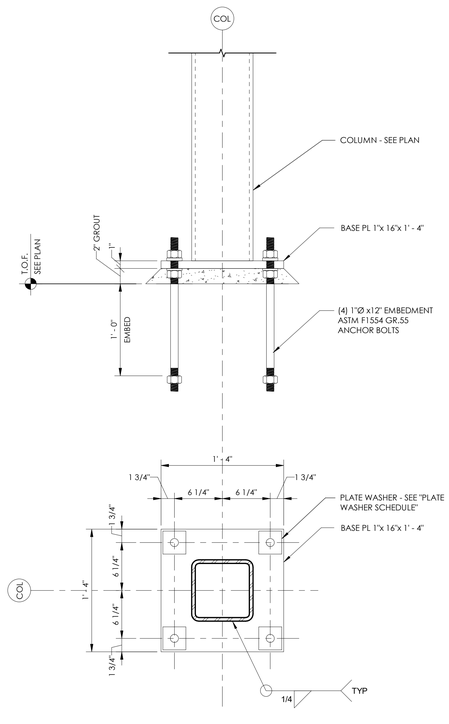
TYPICAL COLUMN BASE PEDESTAL & FOOTING DETAIL



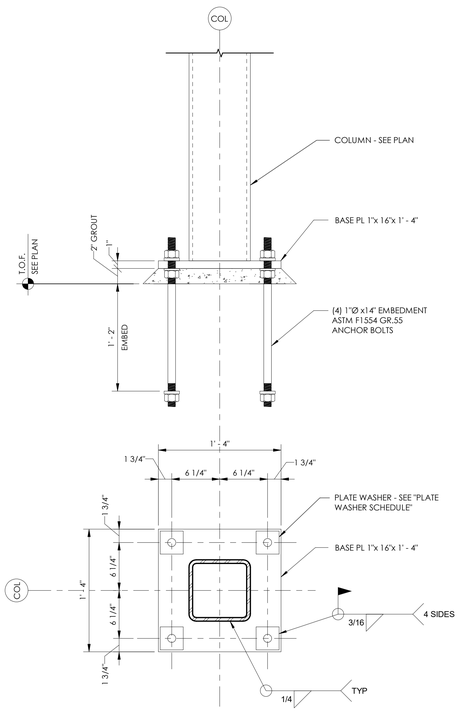
TYPICAL COLUMN BASE & FOOTING DETAIL



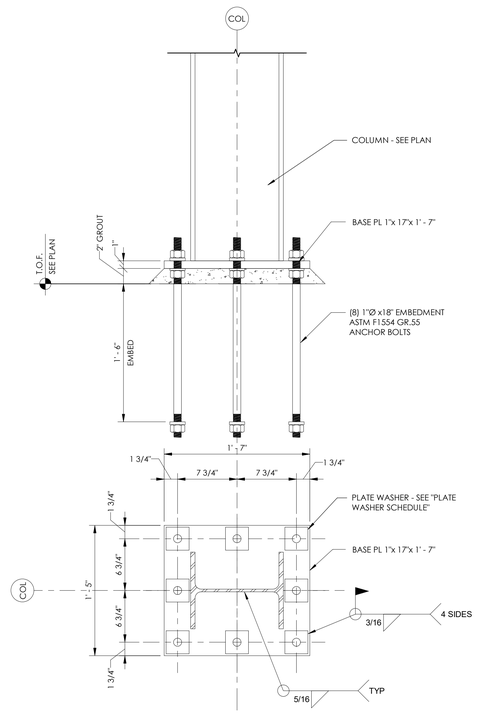
BP - 1



BP - 2



BP - 3



BP - 4

TYPICAL BASE PLATE AND ANCHOR BOLT DETAILS

NOTES:
1. EDGE DISTANCES INDICATED ARE FOR ROLLED OR THERMALLY CUT BASE PLATES. VALUES SHALL BE ADJUSTED FOR SHEARED EDGES.
2. PROVIDE MAXIMUM ANCHOR-BOLT HOLE DIAMETER AND MINIMUM RECOMMENDED PLATE WASHERS INDICATED IN "ANCHOR BOLT DETAILS" ON THIS SHEET.
3. STEEL TEMPLATES SHALL BE USED FOR SETTING ALL CAST-IN-PLACE ANCHOR BOLTS.

GMC

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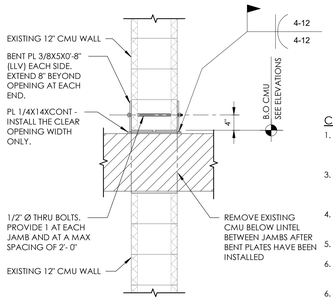
ALABAMA REGISTERED PROFESSIONAL ENGINEER
No. 31254
CHRISTOPHER S. SELF
11/06/2026

TYPICAL DETAILS

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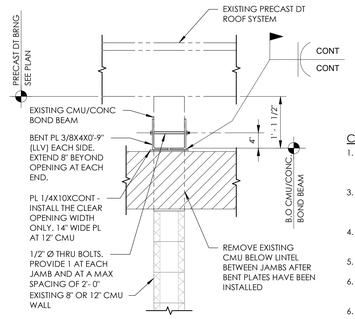


CONSTRUCTION SEQUENCE

1. GROUT SOLID 1 CELL ON EACH SIDE OF NEW OPENING UP TO THE BOTTOM OF ANGLE BEARING PRIOR TO CUTTING.
3. SAWCUT SLOT FOR ANGLE IN ONE SIDE OF WALL & INSERT ANGLE. ROUND OFF CMU FOR TIGHT FIT OF ANGLE TO CMU.
4. SAWCUT SLOT AND INSERT ANGLE ON OTHER SIDE OF WALL.
5. INSTALL THRU BOLTS.
6. CUT OUT OPENING FOR DUCT BELOW ANGLES.
6. INSTALL AND WELD PLATE AT CLEAR OPENING WIDTH.

NOTES:
1. PROVIDE 8" BEARING FOR NEW LINTEL AT EACH SIDE OF NEW OPENING.
2. MAXIMUM CLEAR OPENING WIDTH NOT TO EXCEED 6'-0".
3. DO NOT INSTALL EQUIPMENT, PIPING, ETC. THROUGH THE JAMB ON EITHER SIDE OF NEW WALL OPENING.
4. PROVIDE 4'-0" CLEAR (MINIMUM) BETWEEN ANY TWO ADJACENT DUCT OPENINGS.
5. PROVIDE OPENINGS IN GYM WALL AT THE LOCATIONS INDICATED IN ELEVATION ONLY.

1 S0.05 **NEW LINTEL DETAIL FOR MECH/PLBG AT EXISTING GYMNASIUM WALL**
3/4" = 1'-0"

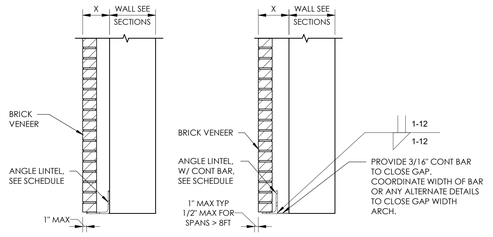


CONSTRUCTION SEQUENCE

1. GROUT SOLID 1 CELL ON EACH SIDE OF NEW OPENING UP TO THE BOTTOM OF ANGLE BEARING PRIOR TO CUTTING.
3. SAWCUT SLOT FOR ANGLE IN ONE SIDE OF WALL & INSERT ANGLE. ROUND OFF CMU/CONC FOR TIGHT FIT OF ANGLE.
4. SAWCUT SLOT AND INSERT ANGLE ON OTHER SIDE OF WALL.
5. INSTALL THRU BOLTS.
6. CUT OUT OPENING FOR DUCT BELOW ANGLES.
6. INSTALL AND WELD PLATE AT CLEAR OPENING WIDTH.

NOTES:
1. PROVIDE 8" BEARING FOR NEW LINTEL AT EACH SIDE OF NEW OPENING.
2. MAXIMUM CLEAR OPENING WIDTH NOT TO EXCEED 3'-10".
3. DO NOT INSTALL EQUIPMENT, PIPING, ETC. THROUGH THE JAMB ON EITHER SIDE OF NEW WALL OPENING.
4. PROVIDE 4'-0" CLEAR (MINIMUM) BETWEEN ANY TWO ADJACENT DUCT OPENINGS.
5. DO NOT PROVIDE OPENING IN LOAD BEARING CMU WALL UNLESS NOTED ON PLAN.

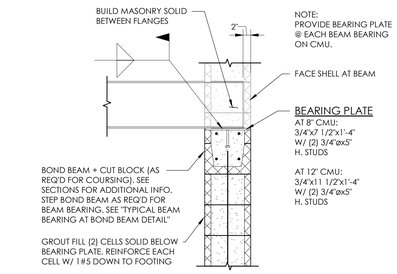
2 S0.05 **NEW LINTEL DETAIL FOR MECH/PLBG OPNG AT EXISTING INTERIOR WALL W/ PRECAST DT LOW ROOF**
3/4" = 1'-0"



BRICK LOOSE LINTEL SCHEDULE

CLEAR SPAN	X = 6"	X = 6 1/2"	X = 7"	X = 7 1/2"	X = 8"
UP TO 6'-0"	L5X3 1/2X3/8 LLH	L6X6X3/8	L6X6X3/8	L4X4X3/8 LLV W/ 3/16" CONT BAR	L4X4X3/8 LLV W/ 3/16" CONT BAR
6'-0" TO 8'-0"	L5X5X3/8	L6X6X3/8	L6X4X3/8 LLV W/ 3/16" CONT BAR	L6X4X3/8 LLV W/ 3/16" CONT BAR	L6X4X3/8 LLV W/ 3/16" CONT BAR
8'-0" TO 10'-0"	L6X4X3/8 LLV W/ 3/16" CONT BAR	L6X4X3/8 LLV W/ 3/16" CONT BAR	L6X4X3/8 LLV W/ 3/16" CONT BAR	L6X4X3/8 LLV W/ 3/16" CONT BAR	L6X4X3/8 LLV W/ 3/16" CONT BAR

NOTES:
1. 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.
2. PROVIDE 8" MINIMUM BEARING FOR ALL LINTELS.
3. ALL EXPOSED LINTELS SHALL BE GALVANIZED.
4. VERTICAL CONTROL JOINTS IN THE BRICK WITHIN DISTANCE OF CLEAR SPAN/2 FROM THE ROUGH OPENING ARE NOT ALLOWED.



TYPICAL BEAM/TUBE BEARING DETAIL

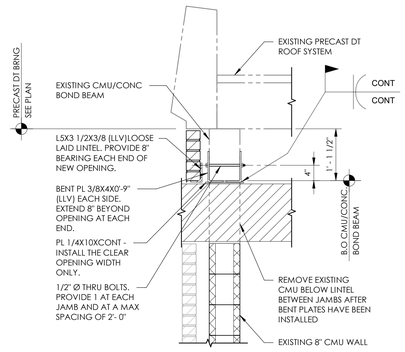
MASONRY WALL LAP SPLICE SCHEDULE

BAR Ø	8" WIDE WALLS	
	f'm = 2000psi	f'm = 2500psi
#4	13"	12"
#5	20"	18"
#6	38"	34"
#7	52"	47"
#8	79"	71"

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
12'-0"		

1. DO NOT USE THIS SCHEDULE IF CONCENTRATED LOAD IS APPLIED TO THE LINTEL AT A HEIGHT LESS THAN HALF THE SPAN ABOVE THE LINTEL, OR IF THE HEIGHT OF BRICK ABOVE THE LINTEL EXCEEDS TEN FOOT.
2. PROVIDE 8" MINIMUM BEARING FOR ALL LINTELS.
3. HOOK #7 BARS OR GREATER INTO BOND BEAM TO ACHIEVE ADEQUATE DEVELOPMENT LENGTH.

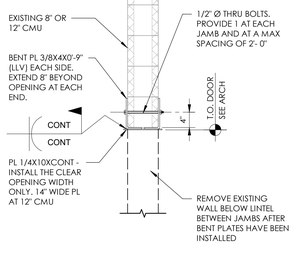


CONSTRUCTION SEQUENCE

1. SHORE EXISTING BRICK ABOVE NEW OPENING LOCATION, AND REMOVE BRICK VENEER BELOW.
2. GROUT SOLID 1 CELL ON EACH SIDE OF NEW OPENING UP TO THE BOTTOM OF ANGLE BEARING PRIOR TO CUTTING.
3. SAWCUT SLOT FOR ANGLE IN ONE SIDE OF WALL & INSERT ANGLE.
4. SAWCUT SLOT AND INSERT ANGLE ON OTHER SIDE OF WALL.
5. INSTALL THRU BOLTS.
6. CUT OUT OPENING BELOW ANGLES.
7. INSTALL LOOSE LAID LINTEL FOR RE-INSTALL OF EXISTING BRICK VENEER.
8. RE-INSTALL EXISTING BRICK VENEER FROM SHORING DOWN TO NEW LINTEL.
9. REMOVE SHORING AND RE-POINT VENEER MORTAR

NOTES:
1. PROVIDE 8" BEARING FOR NEW LINTEL AT EACH SIDE OF NEW OPENING.
2. MAXIMUM CLEAR OPENING WIDTH NOT TO EXCEED 4'-8".
3. DO NOT INSTALL EQUIPMENT, PIPING, ETC. THROUGH THE JAMB ON EITHER SIDE OF NEW WALL OPENING.
4. PROVIDE 4'-0" CLEAR (MINIMUM) BETWEEN ANY TWO ADJACENT DUCT OPENINGS.
5. DO NOT PROVIDE OPENING IN LOAD BEARING CMU WALL UNLESS NOTED ON PLAN.

3 S0.05 **NEW LINTEL DETAIL FOR MECH/PLBG OPNG AT EXISTING EXTERIOR WALL W/ PRECAST DT LOW ROOF**
3/4" = 1'-0"

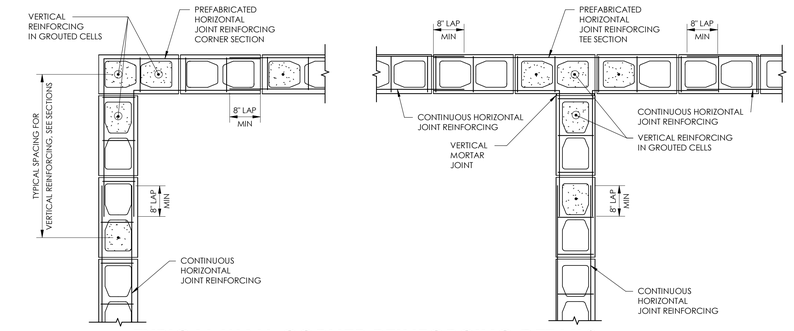


CONSTRUCTION SEQUENCE

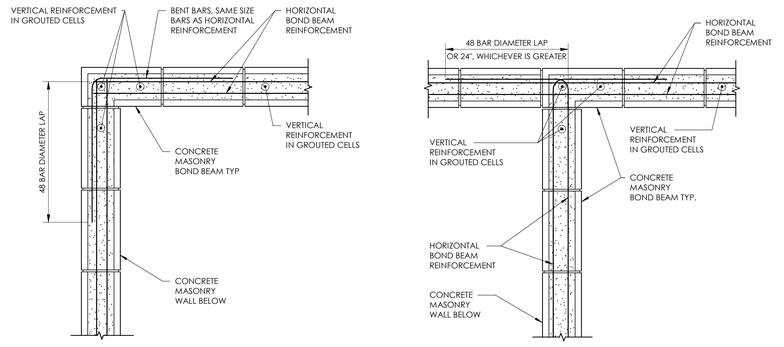
1. GROUT SOLID 1 CELL ON EACH SIDE OF NEW OPENING UP TO THE BOTTOM OF ANGLE BEARING PRIOR TO CUTTING.
3. SAWCUT SLOT FOR ANGLE IN ONE SIDE OF WALL & INSERT ANGLE.
4. SAWCUT SLOT AND INSERT ANGLE ON OTHER SIDE OF WALL.
5. INSTALL THRU BOLTS.
6. CUT OUT OPENING BELOW ANGLES.

NOTES:
1. PROVIDE 8" BEARING FOR NEW LINTEL AT EACH SIDE OF NEW OPENING.
2. MAXIMUM CLEAR OPENING WIDTH NOT TO EXCEED 3'-6".
3. DO NOT INSTALL EQUIPMENT, PIPING, ETC. THROUGH THE JAMB ON EITHER SIDE OF NEW WALL OPENING.
4. PROVIDE 4'-0" CLEAR (MINIMUM) BETWEEN ANY TWO ADJACENT DUCT OPENINGS.
5. DO NOT PROVIDE OPENING IN LOAD BEARING CMU WALL UNLESS NOTED ON PLAN.

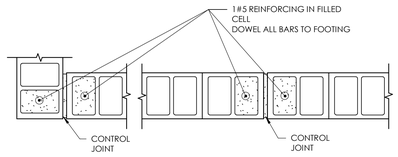
4 S0.05 **NEW LINTEL DETAIL FOR DOOR OPNG AT EXISTING INTERIOR WALL**
3/4" = 1'-0"



TYPICAL WALL CORNER REINFORCING DETAILS



TYPICAL BOND BEAM CORNER REINFORCING DETAILS



TYPICAL MASONRY REINFORCING AT CONTROL JOINTS AND CORNERS

GMC

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

ISSUE DATE
ISSUED FOR BID 2026.11.06

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
ENTERPRISE, AL 36330

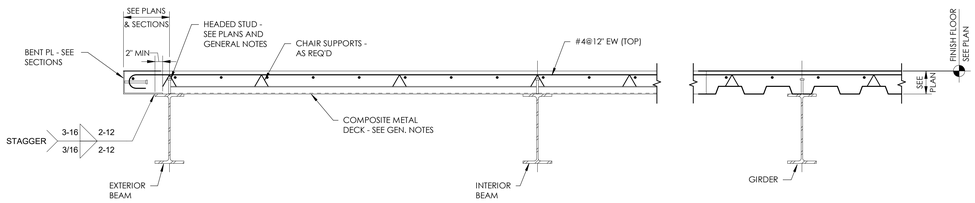
ACCS 2025.130 ESCC
GMC ABHM250051

ALABAMA REGISTERED No. 31254 PROFESSIONAL ENGINEER CHRISTOPHER S. SCOTT
11/06/2026

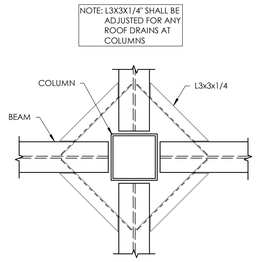
TYPICAL DETAILS

S0.05

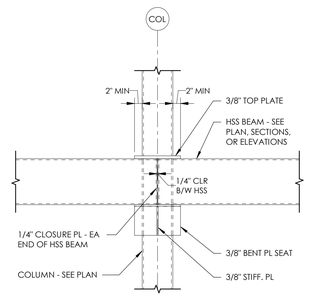
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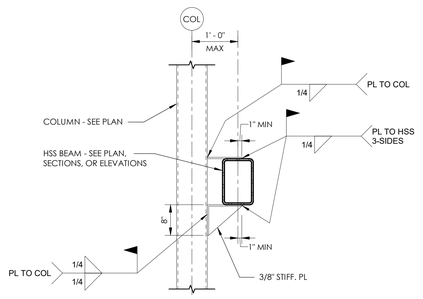


TYPICAL COMPOSITE SLAB/DECK SUPPORT

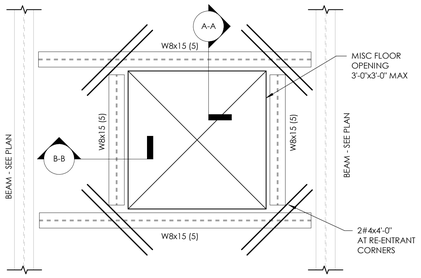


TYPICAL COMPOSITE DECK SUPPORT



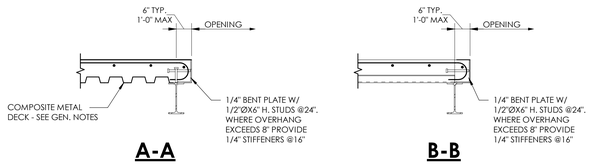


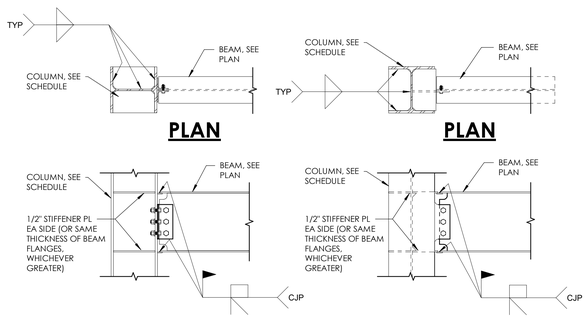
TYPICAL TUBE TO COLUMN CONNECTION



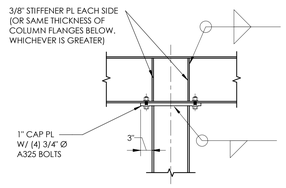
TYPICAL COMPOSITE FLOOR OPENING DETAIL

(FOR OPENINGS GREATER THAN 8")

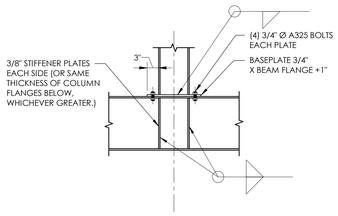




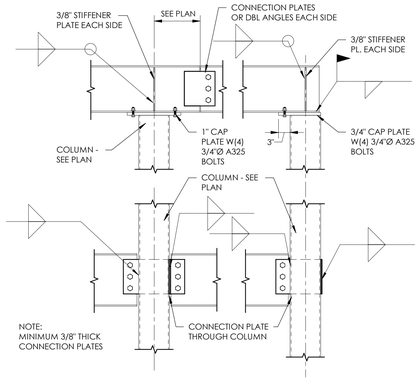
MOMENT CONNECTION DETAIL



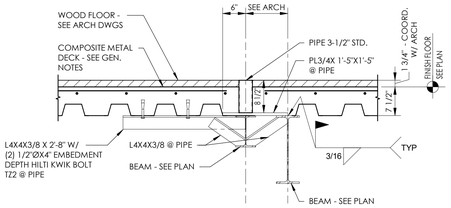
TYPICAL COLUMN CAP



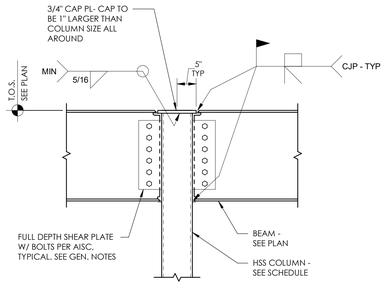
TYPICAL COLUMN TRANSFER DETAIL



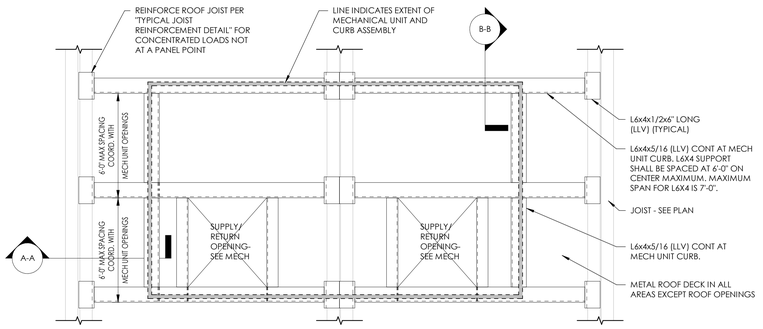
TYPICAL BEAM/ COLUMN CONNECTION



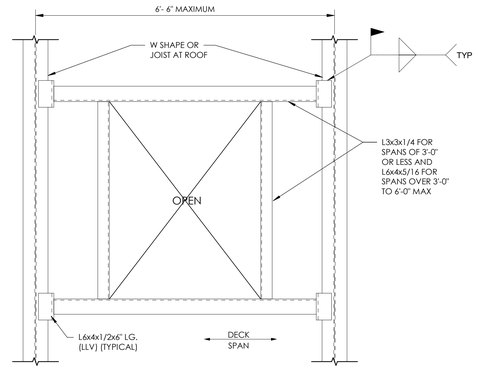
TYPICAL VOLLEYBALL POST INSERT DETAIL



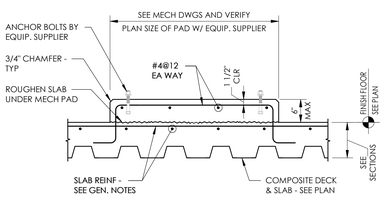
TYPICAL MOMENT CONNECTION DETAIL



PLAN

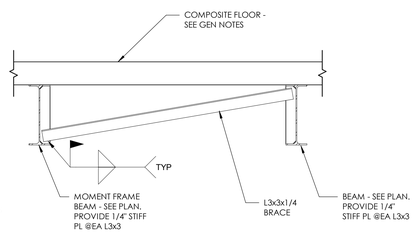


PLAN

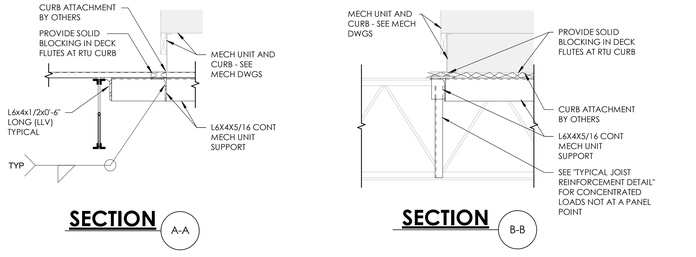


NOTES:
1. PAD AND CURB DETAILS DEPICTED ABOVE SHALL APPLY UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS. COORDINATE CURB WIDTHS AND HEIGHTS WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS. HEIGHT OF MECHANICAL EQUIPMENT PADS SHALL BE COORDINATED WITH THE MEP DRAWINGS.
2. THE CONTRACTOR SHALL PROVIDE CONCRETE PADS ADEQUATE FOR THE SUPPORT OF THE MEP EQUIPMENT. EXACT SIZES, LOCATIONS, HEIGHTS AND ANY SPECIAL DETAILS FOR THE PADS SHALL BE OBTAINED FROM THE VENDORS BEFORE INSTALLATION OF THE PADS. PADS SHALL BE INSTALLED IN ACCORDANCE WITH THE EQUIPMENT STANDARDS. ALL EMBEDDED ITEMS SHALL BE COORDINATED WITH THE EQUIPMENT SUPPLIER. THE PADS SHALL RECEIVE A SMOOTH TROWELED FINISH.

TYPICAL EQUIPMENT PAD ON COMPOSITE SLAB DETAIL

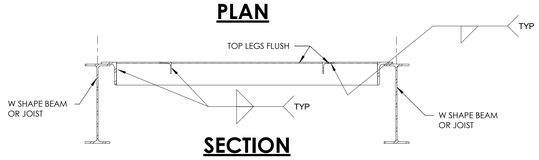


TYPICAL BEAM BOTTOM FLANGE BRACING



ROOF EQUIPMENT & OPENING FRAME DETAIL

TYPICAL AT ALL OPENINGS IN ROOF LARGER THAN 8"



SECTION

TYPICAL DROP-IN FRAME AT MISCELLANEOUS ROOF OPENINGS

(WHERE NO CONCRETE EXISTS)

TUCKER-JONES
3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5606
PROJECT #25105

GMC

Goodwyn Mills Cawood, LLC
2400 5th Avenue South, Suite 200
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T 205.879.4462
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ISSUE DATE
ISSUED FOR BID 2026.11.06

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

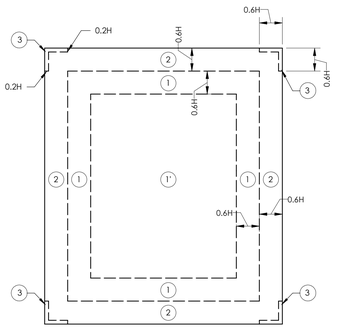
ALABAMA REGISTERED No. 31254 PROFESSIONAL ENGINEER CHRISTOPHER S. SHEPHERD
11/06/2026

TYPICAL DETAILS

S0.06

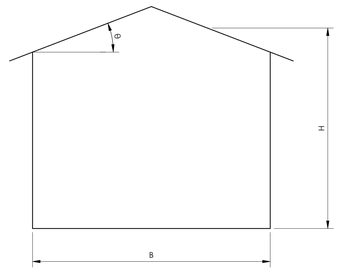
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TUCKER-JONES ENGINEERS ASSOCIATES
3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5606
PROJECT #25105



PLAN

COMPONENT AND CLADDING ZONES ROOFS, θ<7°



ELEVATION

COMPONENT AND CLADDING ZONES WALLS, θ<7°

COMPONENTS AND CLADDING ROOF PRESSURES

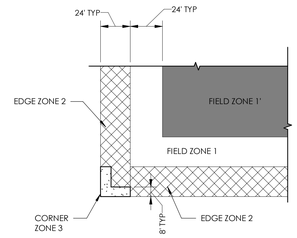
	EFFECTIVE WIND AREA	ZONE 3 GCp+		ZONE 3 GCp-	
ZONE 3 GABLE ROOF PRESSURES, THE CORNER PORTION OF THE ROOF. REFER TO ASCE7 - FIGURE 30.3-2A	< 10 FT²	2.73 PSF	10.93 PSF	-76.99 PSF	-68.79 PSF
	20 FT²	1.59 PSF	9.79 PSF	-70.16 PSF	-61.96 PSF
	50 FT²	1.03 PSF	9.23 PSF	-59.91 PSF	-51.71 PSF
	100 FT²	0.46 PSF	8.66 PSF	-53.07 PSF	-44.87 PSF
	200 FT²	0.46 PSF	8.66 PSF	-46.24 PSF	-38.04 PSF
	> 500 FT²	0.46 PSF	8.66 PSF	-35.99 PSF	-27.79 PSF
	EFFECTIVE WIND AREA	ZONE 2 GCp+		ZONE 2 GCp-	
ZONE 2 GABLE ROOF PRESSURES, THE EDGE PORTION OF THE ROOF. REFER TO ASCE7 - FIGURE 30.3-2A	< 10 FT²	2.73 PSF	10.93 PSF	-56.49 PSF	-48.29 PSF
	20 FT²	1.59 PSF	9.79 PSF	-53.07 PSF	-44.87 PSF
	50 FT²	1.03 PSF	9.23 PSF	-47.38 PSF	-39.18 PSF
	100 FT²	0.46 PSF	8.66 PSF	-43.96 PSF	-35.76 PSF
	200 FT²	0.46 PSF	8.66 PSF	-41.69 PSF	-33.49 PSF
	> 500 FT²	0.46 PSF	8.66 PSF	-35.99 PSF	-27.79 PSF
	EFFECTIVE WIND AREA	ZONE 1 GCp+		ZONE 1 GCp-	
ZONE 1 GABLE ROOF PRESSURES, THE INTERIOR PORTION OF THE ROOF. REFER TO ASCE7 - FIGURE 30.3-2B THROUGH FIGURE 30.3-2I	< 10 FT²	2.73 PSF	10.93 PSF	-42.82 PSF	-34.62 PSF
	20 FT²	1.59 PSF	9.79 PSF	-39.41 PSF	-31.21 PSF
	50 FT²	1.03 PSF	9.23 PSF	-35.99 PSF	-27.79 PSF
	100 FT²	0.46 PSF	8.66 PSF	-33.71 PSF	-25.51 PSF
	200 FT²	0.46 PSF	8.66 PSF	-30.30 PSF	-22.10 PSF
	> 500 FT²	0.46 PSF	8.66 PSF	-26.88 PSF	-18.68 PSF
	EFFECTIVE WIND AREA	ZONE 1' GCp+		ZONE 1' GCp-	
ZONE 1' GABLE ROOF PRESSURES, THE INTERIOR CENTER PORTION OF THE ROOF. REFER TO ASCE7 - FIGURE 30.3-2A.	< 10 FT²	2.73 PSF	10.93 PSF	-24.60 PSF	-16.40 PSF
	20 FT²	1.59 PSF	9.79 PSF	-24.60 PSF	-16.40 PSF
	50 FT²	1.03 PSF	9.23 PSF	-24.60 PSF	-16.40 PSF
	100 FT²	0.46 PSF	8.66 PSF	-24.60 PSF	-16.40 PSF
	200 FT²	0.46 PSF	8.66 PSF	-21.18 PSF	-12.98 PSF
	> 500 FT²	0.46 PSF	8.66 PSF	-16.63 PSF	-8.43 PSF

IMPORTANT: A REDUCTION FACTOR OF 0.6 HAS BEEN INCLUDED IN THE ASD WIND LOAD CALCULATIONS. DO NOT REAPPLY THE FACTOR WHEN CONSIDERING LOAD COMBINATIONS.

COMPONENTS AND CLADDING WALL PRESSURES

	EFFECTIVE WIND AREA	ZONE 5 GCp+		ZONE 5 GCp-	
ZONE 5 WALL PRESSURES, DISTANCE "A" FROM THE CORNER OF THE BUILDING, CALCULATE "A" IN ACCORDANCE WITH ASCE7 - FIGURE 30.3-1	< 10 FT²	16.81 PSF	24.19 PSF	-32.39 PSF	-25.01 PSF
	20 FT²	15.79 PSF	23.17 PSF	-30.34 PSF	-22.96 PSF
	50 FT²	13.74 PSF	21.12 PSF	-27.27 PSF	-19.89 PSF
	100 FT²	12.71 PSF	20.09 PSF	-25.22 PSF	-17.84 PSF
	200 FT²	11.69 PSF	19.07 PSF	-23.17 PSF	-15.79 PSF
	> 500 FT²	10.66 PSF	18.04 PSF	-20.09 PSF	-12.71 PSF
	EFFECTIVE WIND AREA	ZONE 4 GCp+		ZONE 4 GCp-	
ZONE 4 WALL PRESSURES, THE INTERIOR PORTION OF THE BUILDING, REFER TO ASCE7 - FIGURE 30.3-1	< 10 FT²	16.81 PSF	24.19 PSF	-26.24 PSF	-18.86 PSF
	20 FT²	15.79 PSF	23.17 PSF	-25.22 PSF	-17.84 PSF
	50 FT²	13.74 PSF	21.12 PSF	-24.19 PSF	-16.81 PSF
	100 FT²	12.71 PSF	20.09 PSF	-22.14 PSF	-14.76 PSF
	200 FT²	11.69 PSF	19.07 PSF	-21.12 PSF	-13.74 PSF
	> 500 FT²	10.66 PSF	18.04 PSF	-20.09 PSF	-12.71 PSF

IMPORTANT: A REDUCTION FACTOR OF 0.6 HAS BEEN INCLUDED IN THE ASD WIND LOAD CALCULATIONS. DO NOT REAPPLY THE FACTOR WHEN CONSIDERING LOAD COMBINATIONS.



ROOF DECK ATTACHMENT PLAN

1 1/2" ROOF DECK ATTACHMENT LEGEND

1 1/2", 22 GAUGE 40 KSI DECK W/FM APPROVED HILTI X-HSN 24 FASTENERS ON 36/7 PATTERN W/ 6 HILTI S-SLC 01 M HWH SIDELAP FASTENERS PER SPAN. PROVIDE HILTI X-ENP-19 FASTENER IN LIEU OF X-HSN 24 FASTENERS WHERE BASE MATERIAL IS GREATER THAN 3/8" THICK.

1 1/2", 22 GAUGE 40 KSI DECK W/FM APPROVED HILTI X-HSN 24 FASTENERS ON 36/7 PATTERN W/ 4 HILTI S-SLC 01 M HWH SIDELAP FASTENERS PER SPAN. PROVIDE HILTI X-ENP-19 FASTENER IN LIEU OF X-HSN 24 FASTENERS WHERE BASE MATERIAL IS GREATER THAN 3/8" THICK.

1 1/2", 22 GAUGE 40 KSI DECK W/FM APPROVED HILTI X-HSN 24 FASTENERS ON 36/4 PATTERN W/ 4 HILTI S-SLC 01 M HWH SIDELAP FASTENERS PER SPAN. PROVIDE HILTI X-ENP-19 FASTENER IN LIEU OF X-HSN 24 FASTENERS WHERE BASE MATERIAL IS GREATER THAN 3/8" THICK.

1 1/2", 22 GAUGE 40 KSI DECK W/FM APPROVED HILTI X-HSN 24 FASTENERS ON 36/4 PATTERN W/ 4 HILTI S-SLC 01 M HWH SIDELAP FASTENERS PER SPAN. PROVIDE HILTI X-ENP-19 FASTENER IN LIEU OF X-HSN 24 FASTENERS WHERE BASE MATERIAL IS GREATER THAN 3/8" THICK.

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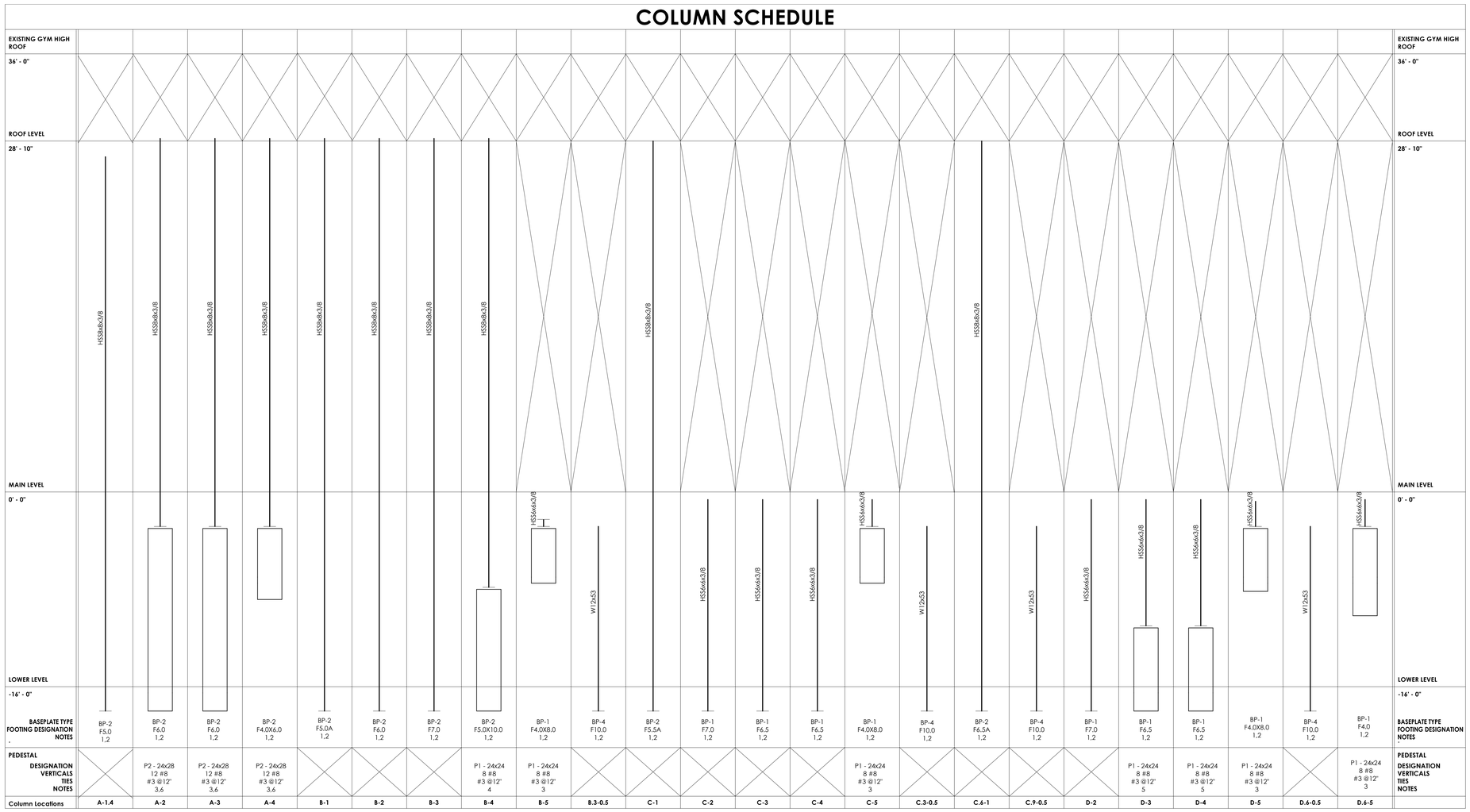
ALABAMA REGISTERED PROFESSIONAL ENGINEER No. 31354 CHRISTOPHER S. SMITH
11/06/2026

TYPICAL DETAILS

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COLUMN SCHEDULE



BASEPLATE TYPE FOOTING DESIGNATION NOTES	BP-2 F5.0 1,2	BP-2 F6.0 1,2	BP-2 F6.0 1,2	BP-2 F4.0X6.0 1,2	BP-2 F5.0A 1,2	BP-2 F6.0 1,2	BP-2 F7.0 1,2	BP-2 F5.0X10.0 1,2	BP-1 F4.0X8.0 1,2	BP-4 F10.0 1,2	BP-2 F5.5A 1,2	BP-1 F7.0 1,2	BP-1 F6.5 1,2	BP-1 F6.5 1,2	BP-1 F4.0X8.0 1,2	BP-4 F10.0 1,2	BP-2 F6.5A 1,2	BP-4 F10.0 1,2	BP-1 F7.0 1,2	BP-1 F6.5 1,2	BP-1 F6.5 1,2	BP-1 F4.0X8.0 1,2	BP-4 F10.0 1,2	BP-1 F4.0 1,2	**BASEPLATE TYPE FOOTING DESIGNATION NOTES**
PEDESTAL DESIGNATION VERTICALS TIES NOTES		P2 - 24x28 12 #8 #3 @12" 3,6	P2 - 24x28 12 #8 #3 @12" 3,6	P2 - 24x28 12 #8 #3 @12" 3,6				P1 - 24x24 8 #8 #3 @12" 4	P1 - 24x24 8 #8 #3 @12" 3					P1 - 24x24 8 #8 #3 @12" 3					P1 - 24x24 8 #8 #3 @12" 5	P1 - 24x24 8 #8 #3 @12" 5	P1 - 24x24 8 #8 #3 @12" 3		P1 - 24x24 8 #8 #3 @12" 3	**PEDESTAL DESIGNATION VERTICALS TIES NOTES**
Column Locations	**A-1.4**	**A-2**	**A-3**	**A-4**	**B-1**	**B-2**	**B-3**	**B-4**	**B-5**	**B.3-0.5**	**C-1**	**C-2**	**C-3**	**C-4**	**C-5**	**C.3-0.5**	**C.6-1**	**C.9-0.5**	**D-2**	**D-3**	**D-4**	**D-5**	**D.6-0.5**	**D.6-5**	

COLUMN SCHEDULE NOTES:

1. SEE TYPICAL BASE PLATE AND ANCHOR BOLT DETAILS" ON SHEET S0.04.
2. SEE "FOOTING SCHEDULE" ON THIS SHEET FOR FOOTING SIZE AND REINFORCING REQUIREMENTS.
3. TOP OF PEDESTAL = -3'-0" BELOW FINISHED FLOOR.
4. TOP OF PEDESTAL = -8'-0" BELOW FINISHED FLOOR.
5. TOP OF PEDESTAL = -11'-2" BELOW FINISHED FLOOR.
6. PROVIDE PEDESTAL REINFORCING AND TIE LAYOUT FOR 24"X28" PEDESTAL BUILT INTEGRAL WITH WALL, SEE TYPICAL DETAILS AND DETAIL 4/S3.02.

FOOTING SCHEDULE

FOOTING DESIGNATION	DEPTH	REINF EW.	LENGTH	WIDTH	NOTES
F4.0	1' - 4"	4#5 EW, T&B	4' - 0"	4' - 0"	
F4.0X6.0	1' - 4"	4#5 LONG 7#5 TRANS, T&B	4' - 0"	6' - 0"	
F4.0X8.0	1' - 4"	4#5 LONG 8#5 TRANS, T&B	4' - 0"	8' - 0"	
F5.0	1' - 4"	6#5 EW, T&B	5' - 0"	5' - 0"	
F5.0A	2' - 0"	6#8 EW, T&B	5' - 0"	5' - 0"	
F5.0X10.0	1' - 4"	6#5 LONG 12#5 TRANS, T&B	5' - 0"	10' - 0"	
F5.5	1' - 4"	6#6 EW, T&B	5' - 6"	5' - 6"	
F5.5A	2' - 0"	6#8 EW, T&B	5' - 6"	5' - 6"	
F6.0	1' - 4"	7#6 EW, T&B	6' - 0"	6' - 0"	
F6.0A	1' - 6"	7#6 EW, T&B	6' - 0"	6' - 0"	
F6.0B	2' - 0"	7#8 EW, T&B	6' - 0"	6' - 0"	
F6.5	1' - 4"	8#6 EW, T&B	6' - 6"	6' - 6"	
F6.5A	2' - 0"	7#8 EW, T&B	6' - 6"	6' - 6"	
F7.0	1' - 6"	8#7 EW, T&B	7' - 0"	7' - 0"	
F7.5	1' - 6"	9#7 EW, T&B	7' - 6"	7' - 6"	
F10.0	2' - 0"	11#9 EW, T&B	10' - 0"	10' - 0"	

CONCRETE PEDESTAL SCHEDULE

DESIGNATION	SIZE	VERTICALS	TIES	NOTES
P1	24"X24"	(8)#8	#3@12"	<varies>
P2	24"X28"	(12)#8	#3@12"	3,6

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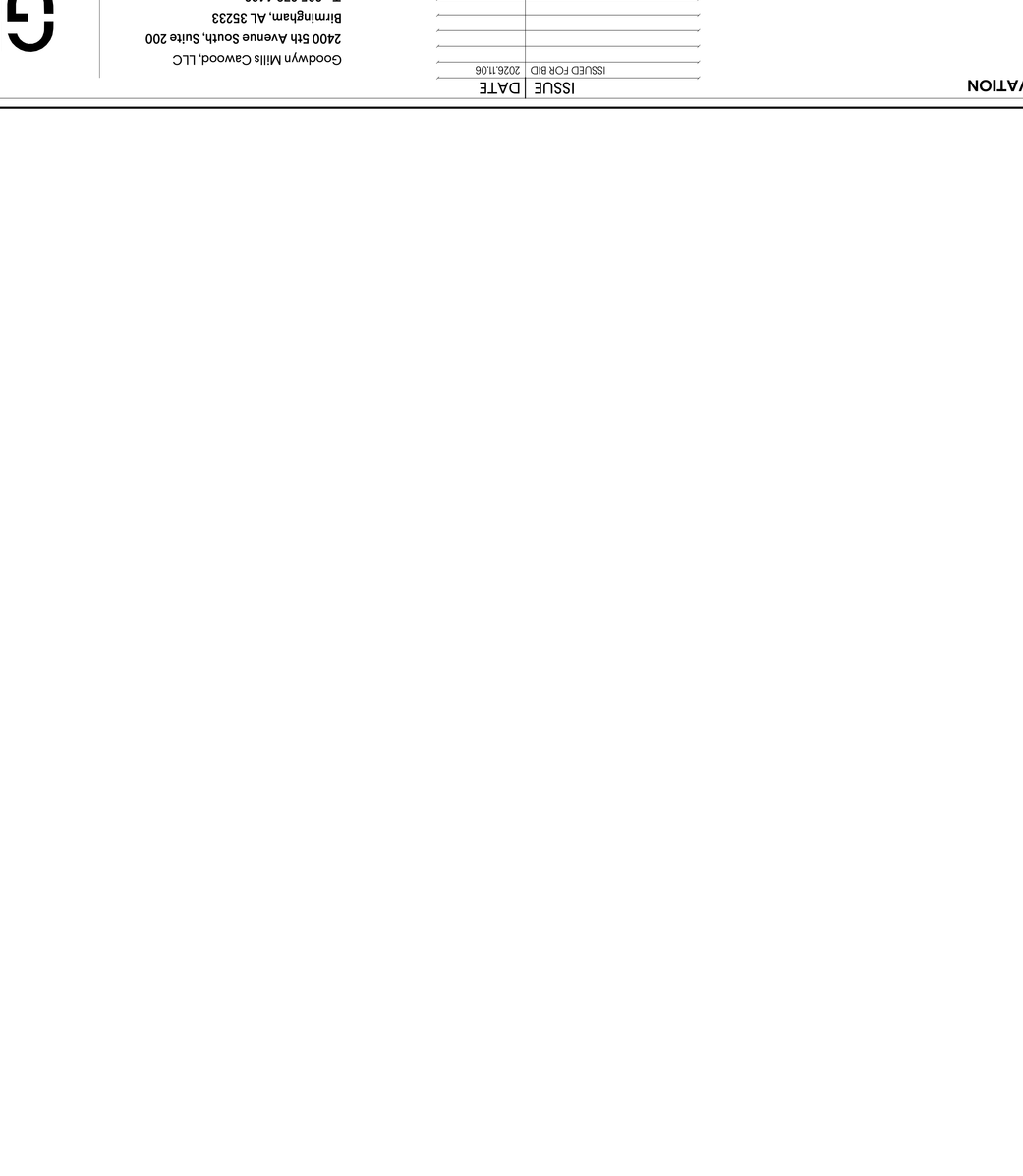
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11/06/2026

COLUMN SCHEDULE

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COLUMN SCHEDULE



Column locations	D.7-1	D.7-2	D.7-3	D.7-4	E-1	E-2	E-3	E-4	AA-10	AA-11	BB-10	BB-11
BASEPLATE TYPE FOOTING DESIGNATION NOTES	BP-2 F4.0B 1.2	BP-2 F7.5 1.2	BP-2 F7.0 1.2	BP-2 F7.0 1.2	BP-2 F5.5 1.2	BP-2 F7.5 1.2	BP-2 F7.5 1.2	BP-2 F4.0X4.0 1.2	BP-3 F4.0A 1.2	BP-3 F4.0A 1.2	BP-3 F4.0A 1.2	BP-3 F4.0A 1.2
PEDESTAL DESIGNATION VERTICALS TIES NOTES			P1 - 24x24 8 #9 #3 @12" S			P2 - 24x28 12 #8 #3 @12" 3,6	P2 - 24x28 12 #8 #3 @12" 3,6	P2 - 24x28 12 #8 #3 @12" 3,6				

COLUMN SCHEDULE NOTES:

1. SEE TYPICAL BASE PLATE AND ANCHOR ROD DETAILS ON SHEET S0.04.
2. SEE "FOOTING SCHEDULE" ON THIS SHEET FOR FOOTING SIZE AND REINFORCING REQUIREMENTS.
3. TOP OF PEDESTAL = -3'-0" BELOW FINISHED FLOOR.
4. TOP OF PEDESTAL = -8'-0" BELOW FINISHED FLOOR.
5. TOP OF PEDESTAL = -11'-2" BELOW FINISHED FLOOR.
6. TOP OF PEDESTAL = -11'-2" BELOW FINISHED FLOOR.
7. PROVIDE PEDESTAL REINFORCING AND TIE LAYOUT FOR 24"X28" PEDESTAL BUILT INTEGRAL WITH WALL. SEE TYPICAL DETAILS AND DETAIL 4/S3.02.

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COLUMN SCHEDULE

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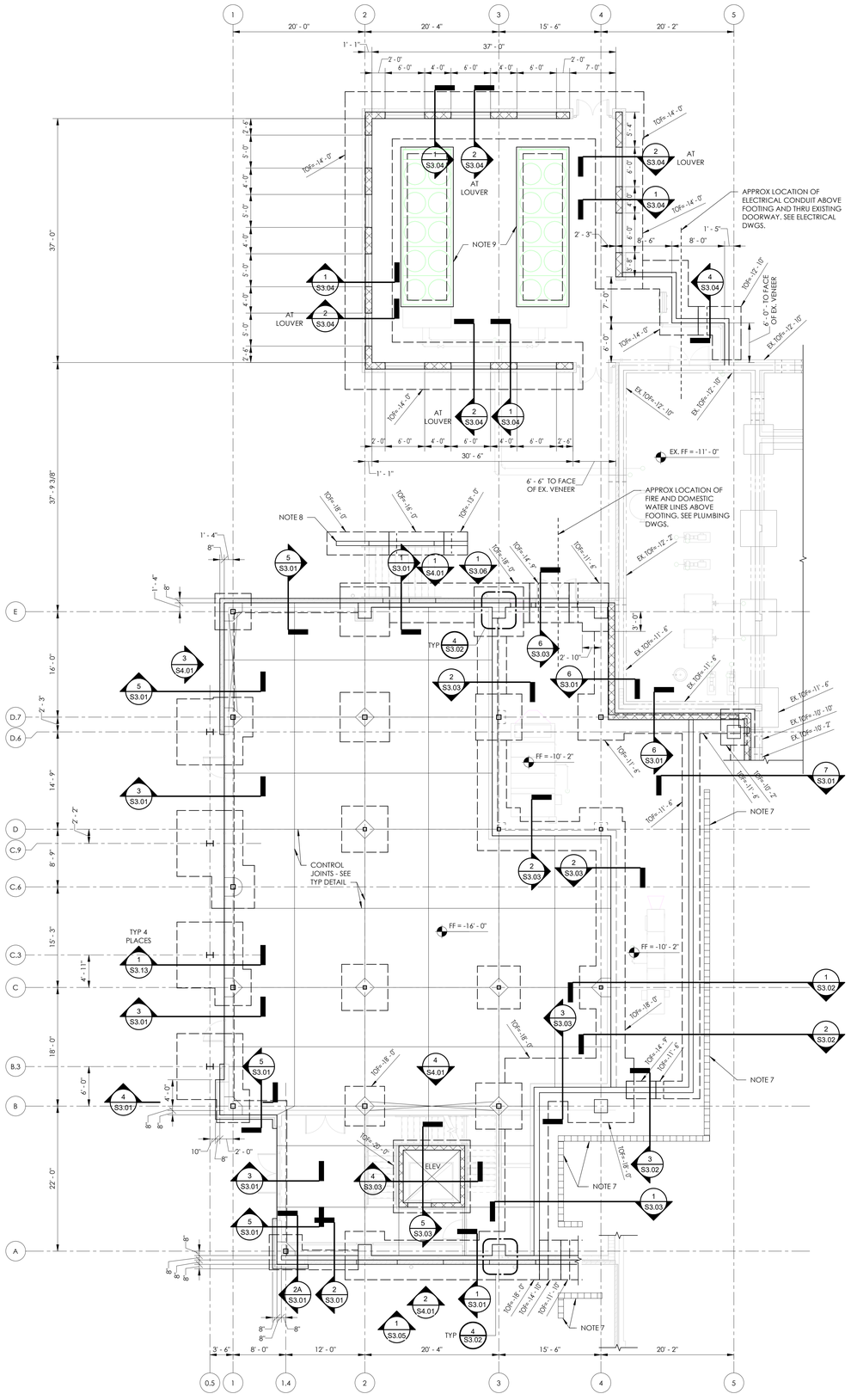
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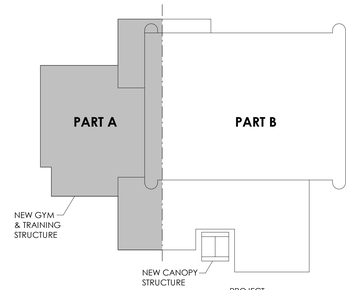


LOWER LEVEL FOUNDATION AND FLOOR PLAN

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

1. FINISH FLOOR (TOP OF SLAB) ELEVATION -16'-0", UNLESS NOTED.
2. TOP OF EXTERIOR FOOTING ELEVATION -18'-0", UNLESS NOTED.
3. 6" SLAB ON GRADE, UNLESS NOTED. SEE GENERAL NOTES AND TYPICAL DETAILS.
4. GENERAL CONTRACTOR COORDINATE LOCATION OF ALL FOOTING STEPS WITH CIVIL, UTILITY AND PLUMBING DRAWINGS.
5. GENERAL CONTRACTOR COORDINATE FLOOR DEPRESSION DEPTH, SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.
6. GENERAL CONTRACTOR COORDINATE LOCATION OF TILE JOINTS WITH CONTROL JOINTS.
7. HATCH INDICATES APPROXIMATE LOCATION OF SHORING FOR THE INSTALLATION OF NEW RETAINING WALLS AND COLUMN FOOTINGS. CONTRACTOR SHALL PROVIDE SHORING DESIGN AND INSTALLATION AS REQUIRED TO INSTALL THE NEW RETAINING WALLS AND COLUMN FOOTINGS.
8. SITE RETAINING WALL. SEE TYPICAL DETAIL ON SHEET S0.03. SEE CIVIL DRAWINGS FOR LOCATION, EXTENT, AND TOP OF WALL ELEVATIONS.
9. INDICATES MECHANICAL PAD, SEE MECHANICAL DRAWINGS FOR LOCATION AND SIZE REQUIREMENTS. SEE "TYPICAL EXTERIOR MECHANICAL EQUIPMENT PAD DETAIL" ON SHEET S0.03.

PROJECT NORTH



KEY PLAN

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11/06/2026

LOWER LEVEL FOUNDATION AND FLOOR PLAN

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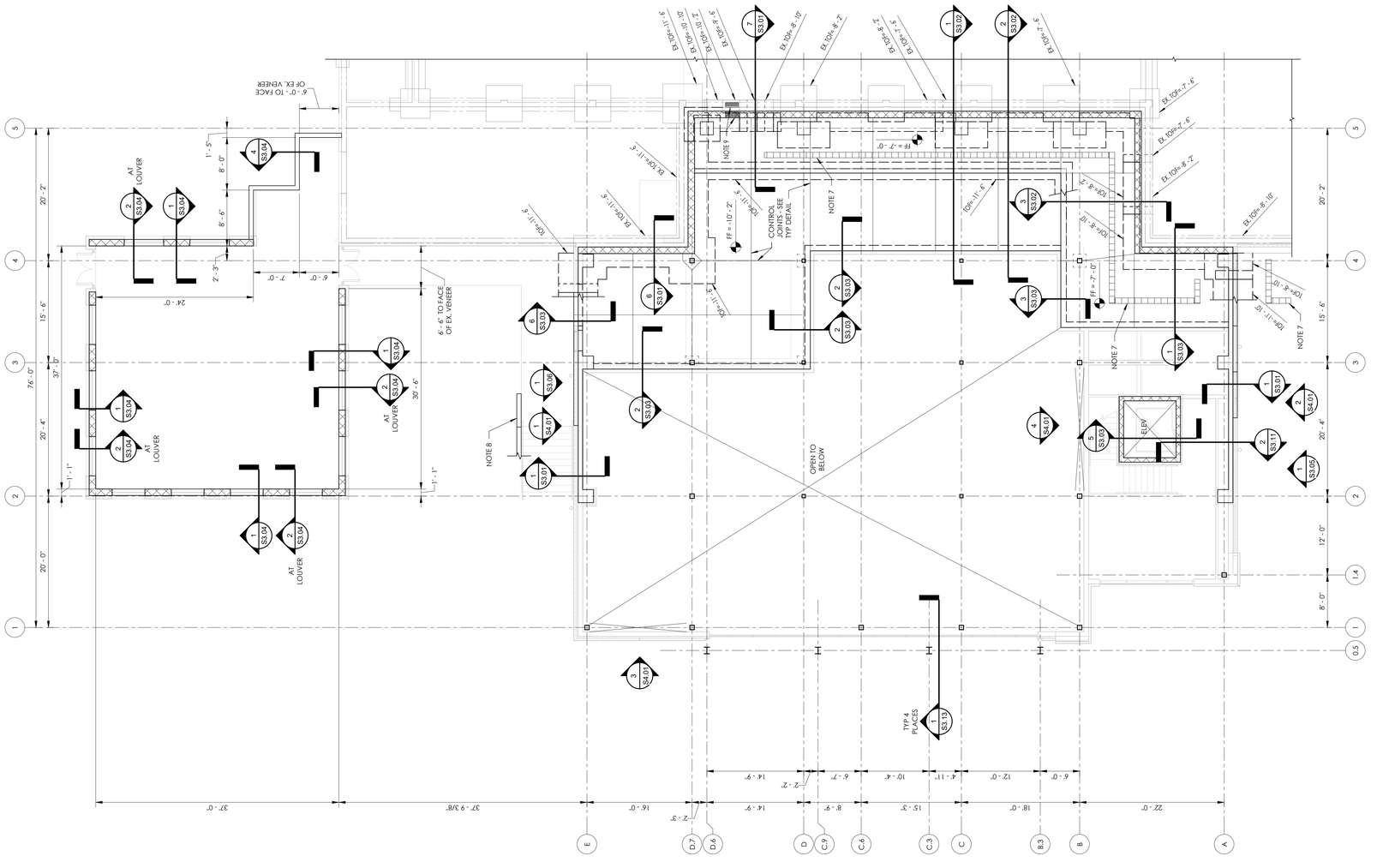
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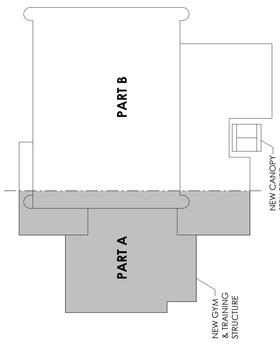
LOWER LEVEL MECHANICAL FOUNDATION PLAN

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

1. FINISH FLOOR (TOP OF SLAB) ELEVATION - 10'-2" OR -7'-5". SEE PLAN.
2. TOP OF FOOTING ELEVATION. SEE PLAN.
3. ALL CONCRETE CONSTRUCTION TO BE PER GENERAL NOTES AND TYPICAL DETAILS.
4. GENERAL CONTRACTOR COORDINATE LOCATION OF ALL FOOTING STEPS WITH CIVIL, UTILITY AND PLUMBING DRAWINGS.
5. GENERAL CONTRACTOR COORDINATE FLOOR DEPRESSION DEPTH, SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.
6. GENERAL CONTRACTOR COORDINATE LOCATION OF TILE JOINTS WITH CONTROL JOINTS.
7. HATCH INDICATES APPROXIMATE LOCATION OF PERMANENT SHORING FOR THE INSTALLATION OF NEW RETAINING WALLS AND COLUMN FOOTINGS. CONTRACTOR SHALL PROVIDE SHORING DESIGN AND INSTALLATION AS REQUIRED TO INSTALL THE NEW RETAINING WALLS AND COLUMN FOOTINGS.
8. SEE RETAINING WALL SECTIONS AND DETAILS ON SHEET S0.03. SEE CIVIL DRAWINGS FOR LOCATION, EXTENT, AND TOP OF WALL ELEVATIONS.
9. PROVIDE A 2'-0" X 2'-0" ACCESS OPENING THROUGH THE NEW 12" CMU AND EXISTING CONCRETE WALL. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF ACCESS OPENING. SEE MASONRY LINTEL SCHEDULE ON SHEET S0.05. SEE NEW LINTEL DETAIL 2/S0.05 FOR OPENING THROUGH EXISTING CONCRETE WALL. DO NOT OVER-CUT CORNER FOR OPENING THROUGH EXISTING CONCRETE WALL.

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LOWER LEVEL MECHANICAL FOUNDATION PLAN

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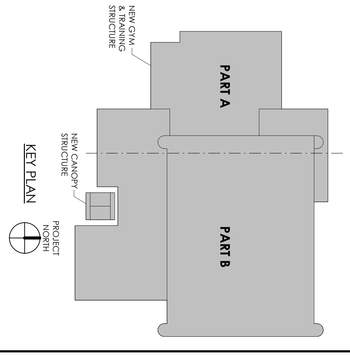
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OVERALL MAIN LEVEL FRAMING AND FOUNDATION PLAN

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



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OVERALL MAIN LEVEL FRAMING AND FOUNDATION PLAN

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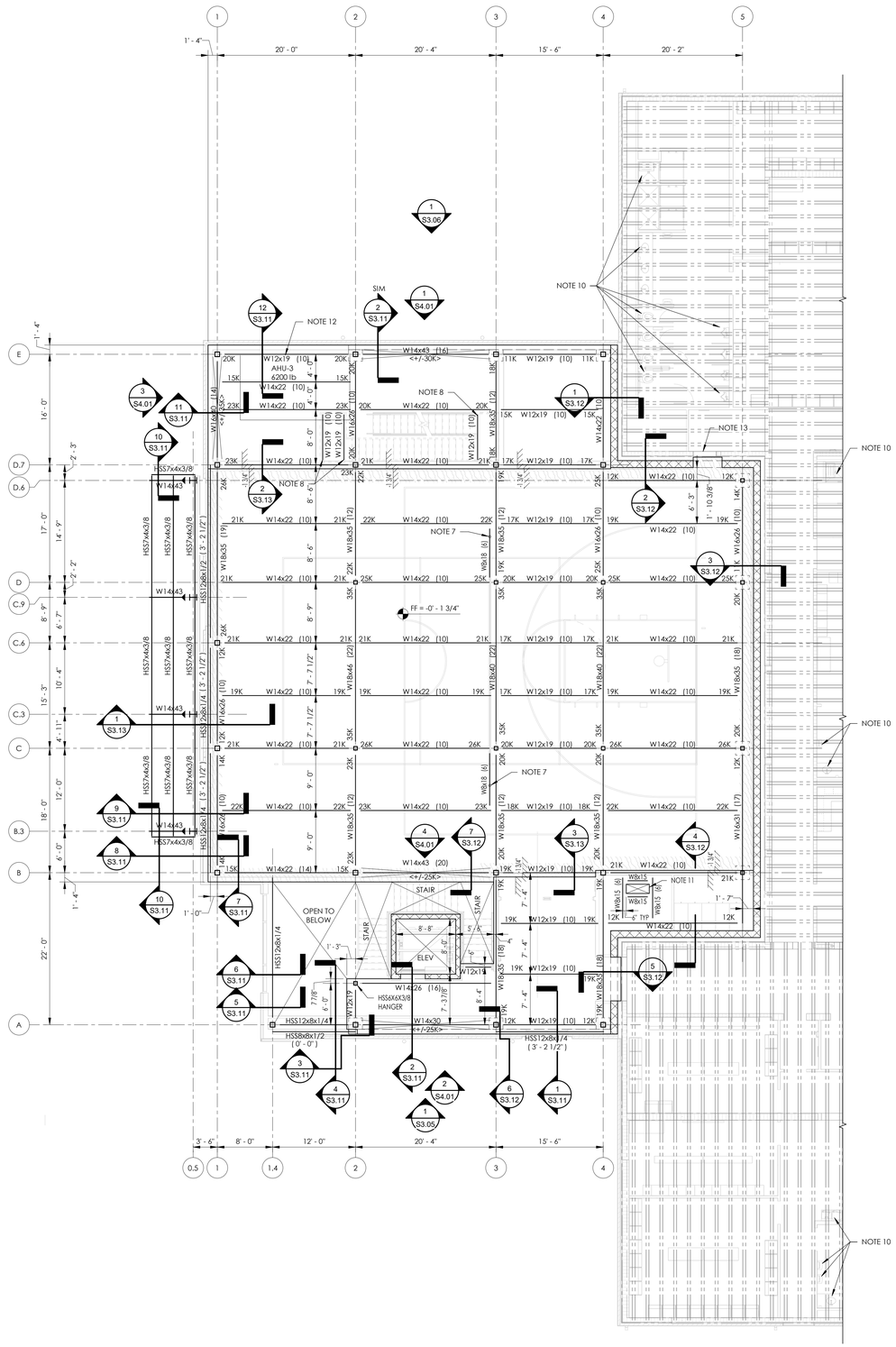
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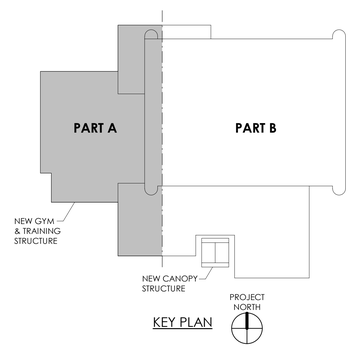


MAIN LEVEL FLOOR FRAMING PLAN - PART A

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

1. FINISH FLOOR (TOP OF SLAB) ELEVATION 0'-0" AND -0'-1 3/4" AT WOOD FLOORING, UNLESS NOTED.
2. TOP OF STEEL ELEVATION 0'-9 1/4" BELOW FINISH FLOOR, UNLESS NOTED.
3. FLOOR SYSTEM:
   A. AT WOOD FLOORING: 4-1/2" NW CONCRETE SLAB ON 3" COMPOSITE STEEL DECK (7-1/2" TOTAL THICKNESS). SEE GENERAL NOTES AND SECTIONS.
   B. AT OTHER LOCATIONS: 6-1/4" NW CONCRETE SLAB ON 3" COMPOSITE STEEL DECK (9-1/4" TOTAL THICKNESS). SEE GENERAL NOTES AND SECTIONS.
4. ( ) INDICATES NUMBER OF HEADED STUDS SPACED EQUALLY BETWEEN BEAMS.
5. BEAM REACTIONS ARE INDICATED AT ENDS OF BEAMS AS "XK", WHERE "X" IS THE MAGNITUDE OF THE WORKING LOAD SHEAR REACTION IN KIPS, UNLESS NOTED. WHERE A SHEAR REACTION IS NOT INCLUDED ON PLAN, DESIGN CONNECTION FOR A SHEAR REACTION OF 10 KIPS.
6. <±xK> INDICATES AXIAL FORCE REQUIRED AT BEAM CONNECTION. LOADS ARE SERVICE LEVEL (ASD) AND SUBJECT TO REVERSAL.
7. INDICATES VOLLEYBALL POST INSERT. SEE ARCHITECTURAL DRAWINGS FOR LOCATION AND LAYOUT. SEE TYPICAL VOLLEYBALL POST INSERT DETAIL ON SHEET S0.06.
8. COORDINATE WITH STAIR DESIGNER/FABRICATOR TO LOCATE BEAMS UNDER STAIR POSTS.
9. [ ] - INDICATES RECESSED SLAB. SEE ARCH FOR EXTENTS.
10. GENERAL CONTRACTOR TO FIELD VERIFY NEW PLUMBING PIPING LOCATIONS DO NOT ALIGN WITH WEBS OF EXISTING PRECAST DOUBLE-T FLOOR SYSTEM. SEE TYPICAL DETAIL ON SHEET S0.03. **DO NOT CORE THROUGH TEE (WEB) OF EXISTING PRECAST DT FLOOR SYSTEM.**
11. GENERAL CONTRACTOR TO COORDINATE SIZE OF OPENING WITH FINAL MECHANICAL DUCT SIZE.
12. INDICATES CONCRETE HOUSEKEEPING PAD AT MECHANICAL EQUIPMENT ON ELEVATED COMPOSITE SLAB. SEE "TYPICAL EQUIPMENT PAD ON COMPOSITE SLAB DETAIL" ON SHEET S0.06.
13. PROVIDE NEW LINTEL OVER NEW OPENING IN EXISTING MASONRY WALL, SEE TYPICAL DETAIL 4/S0.05.

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KEY PLAN

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ALABAMA REGISTERED No. 31294 PROFESSIONAL ENGINEER CHRISTOPHER S. SCOTT

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MAIN LEVEL FLOOR FRAMING PLAN - PART A

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MAIN LEVEL FLOOR FRAMING AND CANOPY FDN PLAN - PART B

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TECHNI-STRUCTURES

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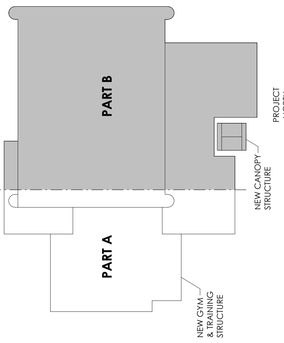
MAIN LEVEL FLOOR FRAMING AND CANOPY FOUNDATION PLAN - PART B

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

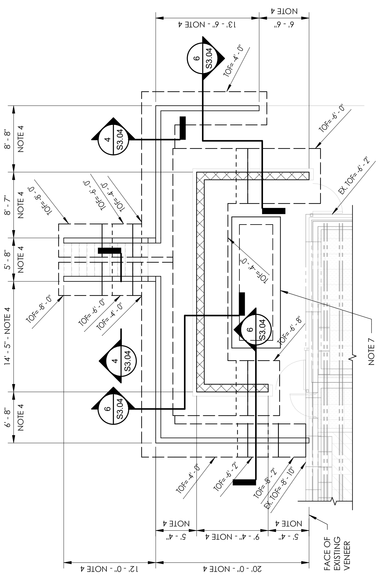
CANOPY FOUNDATION:
1. FINISH FLOOR (TOP OF EXISTING BUILDING SLAB) ELEVATION 0'-0".
2. TOP OF CANOPY FOOTING (T.O.F.) ELEVATION -3'-4" BELOW FINISH FLOOR, UNLESS NOTED.
3. SEE CIVIL DRAWINGS FOR EXTERIOR CONCRETE SLAB AND ELEVATIONS.
4. TYP. 4" SLAB ON GRADE; SEE GENERAL NOTES AND TYPICAL DETAIL SHEET.
5. "BP-X" DENOTES BASE PLATE TYPE. SEE TYPICAL BASE PLATE TYPICAL DETAIL.

MECHANICAL ENCLOSURE FOUNDATION:
1. FINISH FLOOR (TOP OF EXISTING BUILDING SLAB) ELEVATION 0'-0".
2. 4" SLAB ON GRADE; SEE GENERAL NOTES AND TYPICAL DETAILS.
3. SEE CIVIL DRAWINGS FOR EXTERIOR CONCRETE SLAB AND ELEVATIONS.
4. SEE TYPICAL INTERIOR EQUIPMENT PAD DETAIL ON SHEET S0.03.

PROJECT NORTH



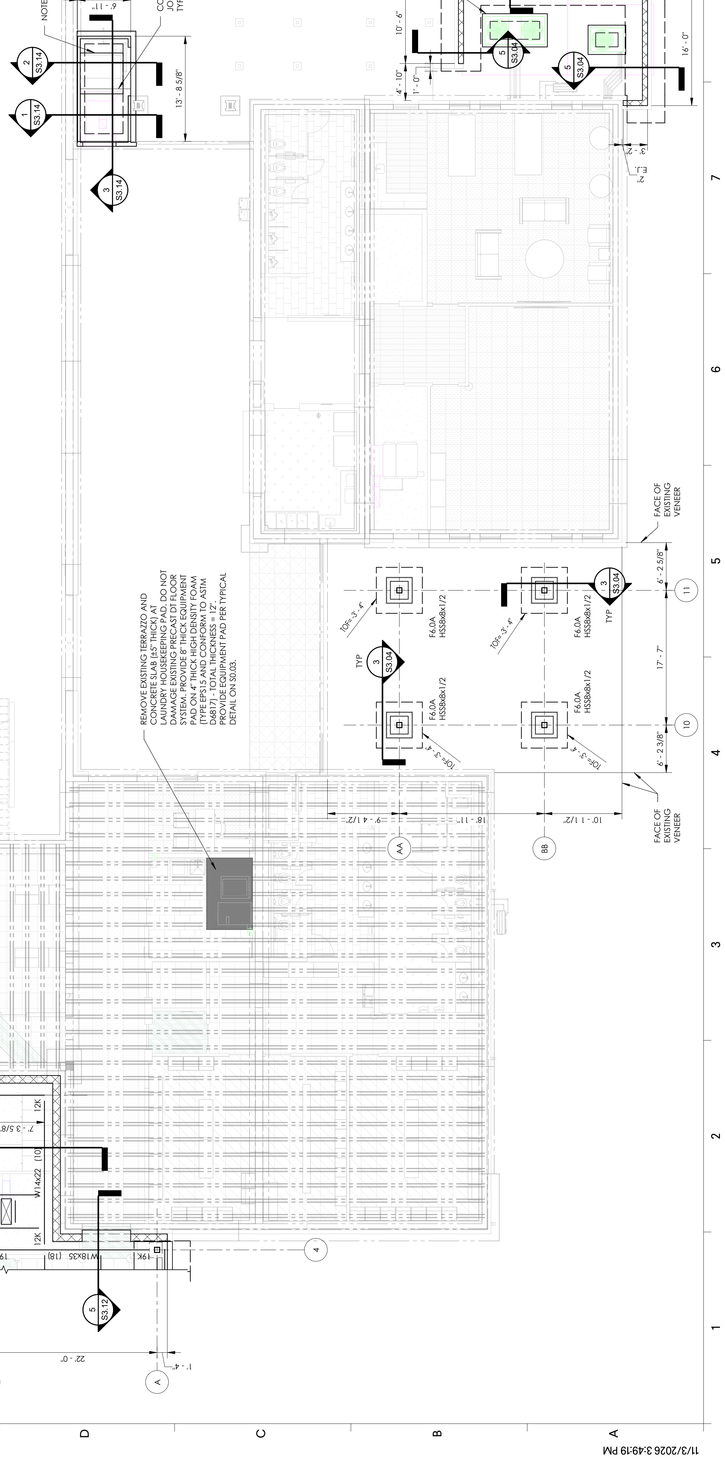
KEY PLAN



2 / S1.03B — **MECHANICAL SCREENWALL PARTIAL PLAN**

1/8" = 1'-0"

1. FINISH FLOOR (TOP OF SLAB AT MAIN LEVEL) ELEVATION 0'-0" UNLESS NOTED.
2. SEE CIVIL DRAWINGS FOR EXTERIOR SLAB ELEVATIONS. SEE CIVIL DRAWINGS.
3. TOP OF FOOTING ELEVATION -4'-0" BELOW MAIN LEVEL FINISH FLOOR, UNLESS NOTED.
4. SEE CIVIL AND ARCH DRAWINGS FOR EXTERIOR CONCRETE SLAB, SIDEWALKS, AND STAIR LAYOUT.
5. SEE CIVIL DRAWINGS FOR GRADE AND TOP OF WALL ACTUAL ELEVATIONS.
6. SEE SHEET S0.03 FOR TYPICAL STAIR ON GRADE DETAIL.
7. PROVIDE TYPICAL EXTERIOR MECHANICAL EQUIPMENT PAD DETAIL" AT ALL MECHANICAL UNITS.

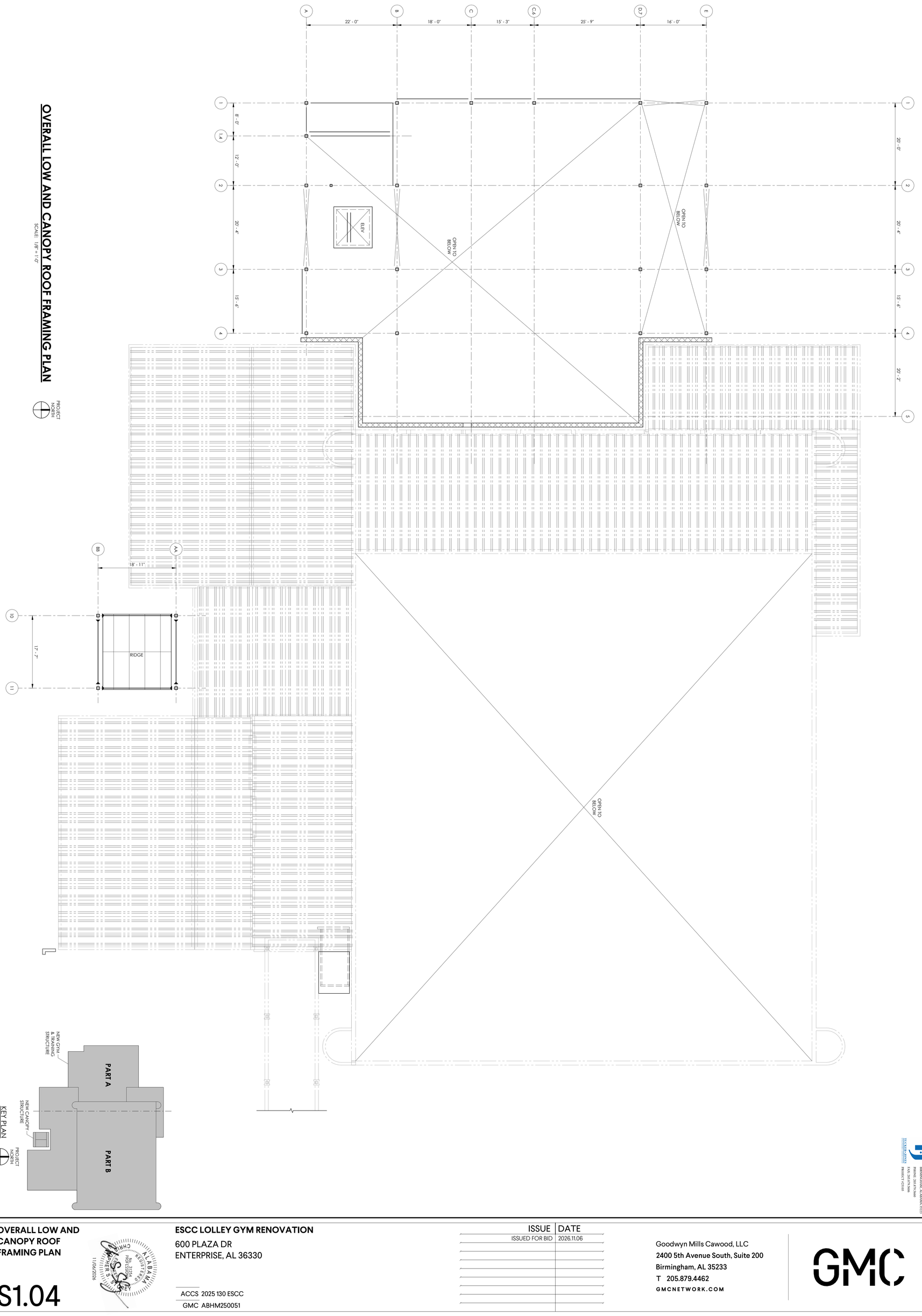


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OVERALL LOW AND CANOPY ROOF FRAMING PLAN

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



TOLSON DESIGN GROUP
3300 CAHABA ROAD, SUITE 210
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PROJECT #25160

OVERALL LOW AND CANOPY ROOF FRAMING PLAN

S1.04

ESCC LOLLEY GYM RENOVATION

600 PLAZA DR
ENTERPRISE, AL 36330

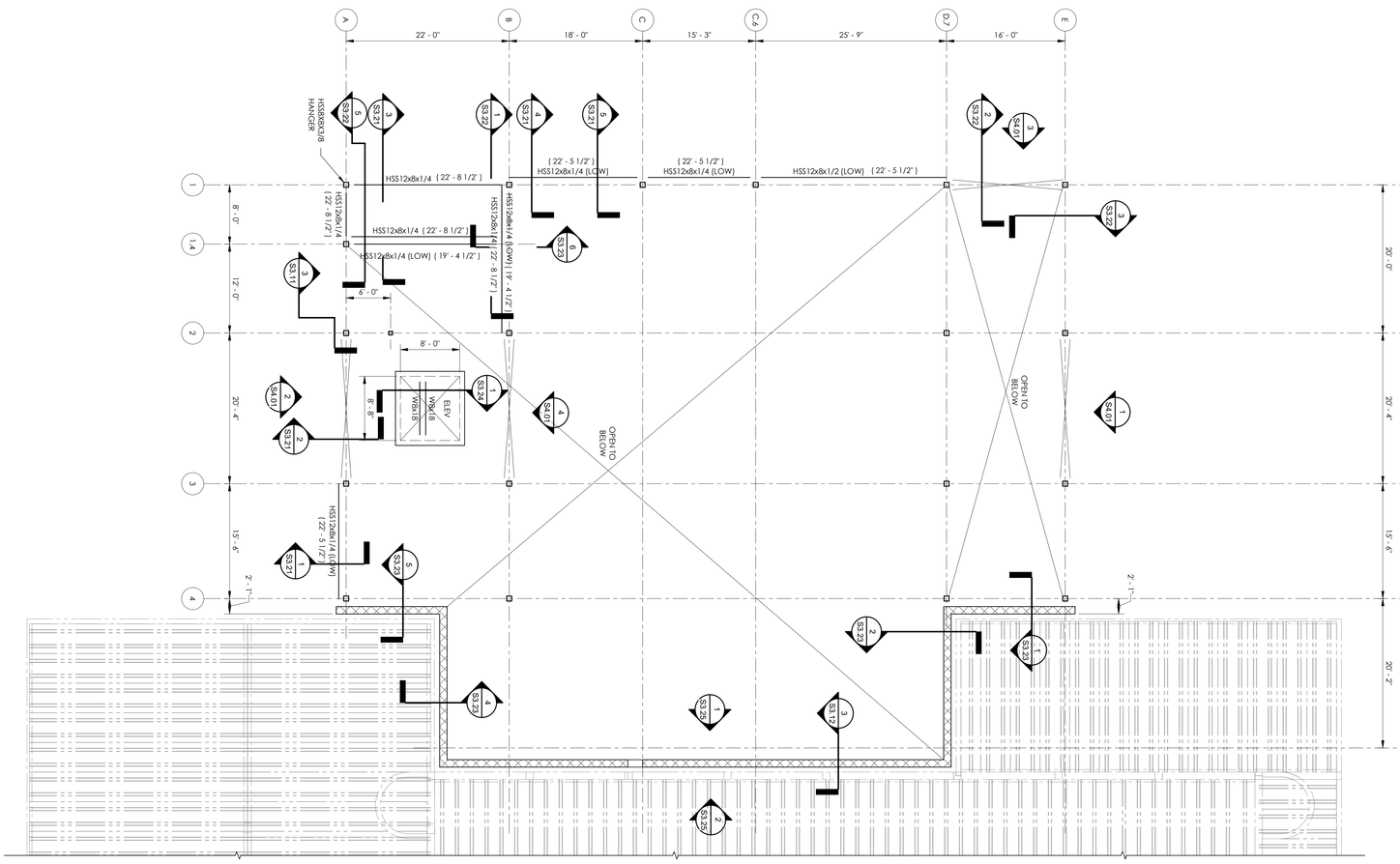
ACCS 2025 130 ESCC
GMC ABHM250051

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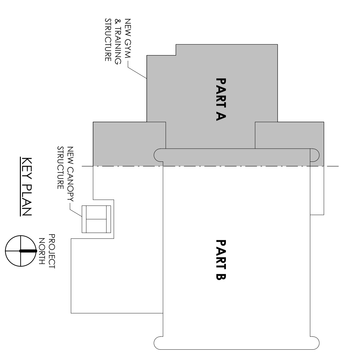
LOW AND CANOPY ROOF FRAMING PLAN - PART A

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

1. TOP OF STEEL, TOP OF SHEET DECK, TOP OF CONCRETE SLAB ELEVATIONS = SEE PLAN.
2. TOP OF ELEVATOR SHAFT ROOF SLAB ELEVATION = 18'-8" AFF.
3. ELEVATOR SHAFT ROOF SYSTEM: 4-1/2" NW CONCRETE SLAB ON 3" COMPOSITE STEEL DECK (7-1/2" TOTAL THICKNESS). SEE GENERAL NOTES.

PROJECT NORTH

KEY PLAN



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LOW AND CANOPY ROOF FRAMING PLAN - PART A

S1.04A

ALABAMA REGISTERED CHRISTOPHER S. WEBER 35376 PROFESSIONAL ENGINEER 11/04/2026

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
ENTERPRISE, AL 36330

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GMC ABHM250051

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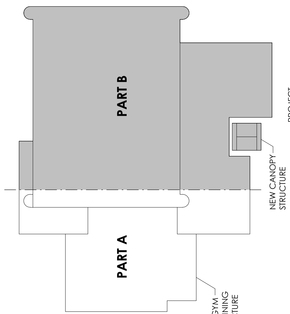
GMC

LOW AND CANOPY ROOF FRAMING PLAN - PART B

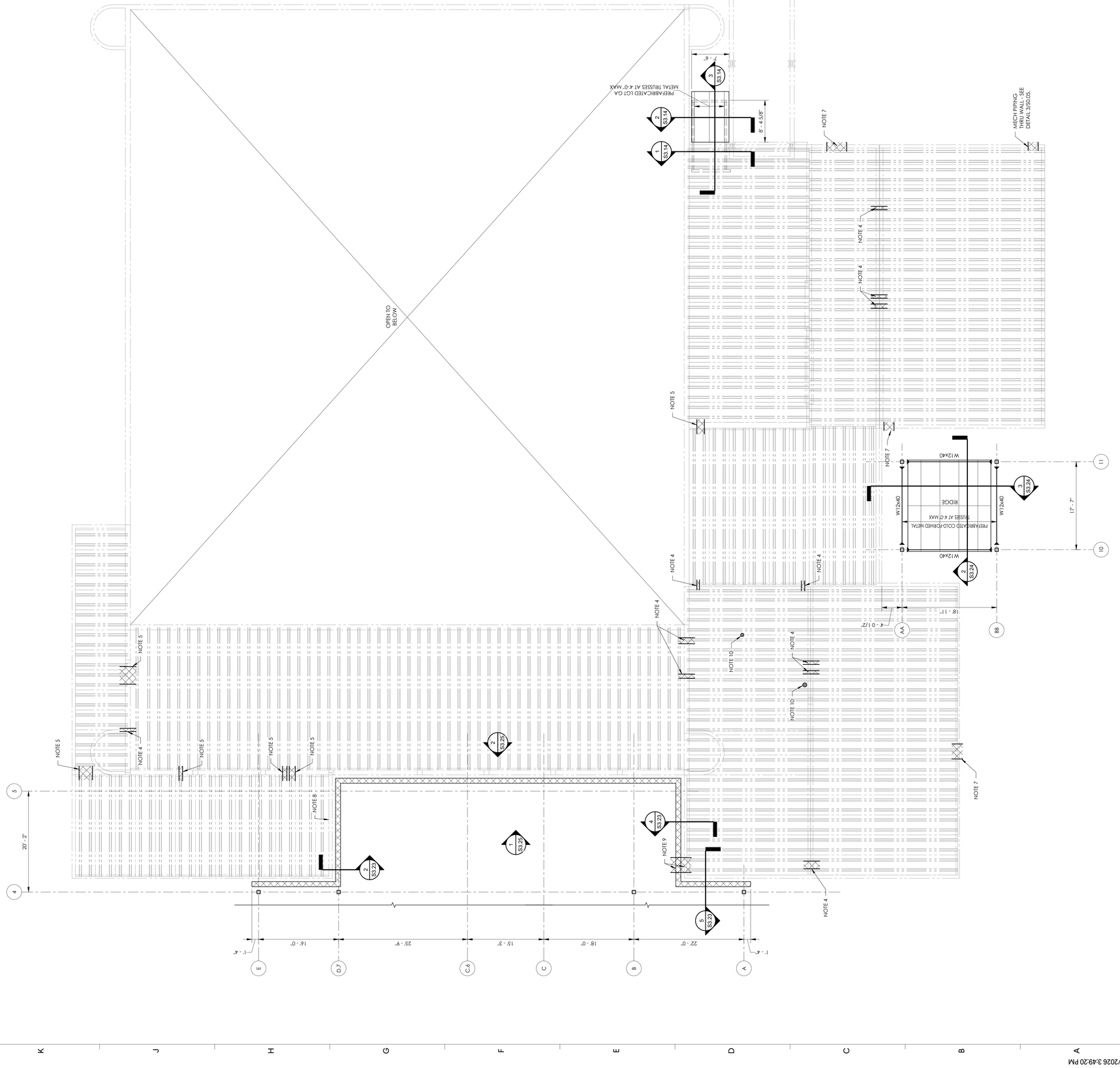
SCALE: 1/8" = 1'-0"

CANOPY ROOF:
1. TRUSS BEARING (TOP OF BEAM) ELEVATION +11'-0" ABOVE MAIN LEVEL FINISH FLOOR.
2. ROOF SYSTEM: 1 1/2" DEEP, 22 GA. COMPOSITE DECK WITH 6 1/2" NWC TOPPING. PROVIDE CONTROL JOINTS AT 4'-0" OC., UNLESS NOTED. SEE GENERAL NOTES FOR ROOF DECK ATTACHMENT PATTERN.
3. TRUSS LAYOUT IS FOR SCHEMATIC PURPOSES ONLY. FINAL LAYOUTS IS THE RESPONSIBILITY OF THE TRUSS MANUFACTURER.
4. PROVIDE LIGHTGAGE BENT PLATE 14GA#X"X6" AT THE RIDGE. ATTACH TO EACH TRUSS SUPPORT USING #10 TEK SCREWS.
5. "▼" INDICATES MOMENT CONNECTION. SEE "TYPICAL MOMENT CONNECTION DETAIL" ON SHEET S0.04.

EXISTING LOW ROOF:
1. EXISTING ROOF SYSTEM: DOUBLE-T FRAMING BEARING (TOP OF EXISTING MASONRY WALL) ELEVATION ± 12'-1". FIELD VERIFY.
2. ALL EXISTING CONDITIONS TO BE FIELD VERIFIED PRIOR TO FABRICATING ANY STRUCTURAL ELEMENTS. NOTIFY ESNR IF CONDITIONS DIFFER FROM WHAT IS SHOWN ON DRAWINGS.
3. EXISTING ROOF SYSTEM IS SUPPORTED BY EXISTING CMU WALLS, EXISTING CONCRETE COLUMNS AND BEAM FRAMING. **NOTE, THE EXISTING PRECAST DOUBLE-T ROOF SYSTEM SHALL BE SHORED PRIOR TO REMOVING EXISTING CMU WALL AND FOOTING. SEE TEMPORARY SHORING DETAIL ON SHEET S0.05.**
4. PROVIDE MECHANICAL DUCT OPENING THROUGH EXISTING PRECAST DT ROOF. SEE DUCT WORK TO EXTEND THROUGH EXISTING INTERIOR LOAD BEARING CMU WALL. OPENING SHALL BE BELOW THE EXISTING 13 1/2" DEEP BOND BEAM AT TOP OF WALL. SEE DETAIL 3/S1.05 FOR SUPPORTING NEW MECH/PLBG OPENING THROUGH EXISTING EXTERIOR MASONRY WALL. DO NOT EXTEND MECH/PLBG OPENING THROUGH EXISTING LOAD BEARING WALLS UNLESS NOTED ON PLAN.
5. ALL DUCT AND PIPING SHALL BE INSTALLED BELOW ALL CONCRETE BEAMS. DO NOT CUT OR INFILL ALL ABANDONED OPENINGS (DUE TO REMOVAL OF MECHANICAL OR PLUMBING SYSTEMS) WITH CMU AT ALL LOAD BEARING CMU WALLS.
6. PROVIDE MECHANICAL DUCT OPENING THROUGH NEW 12" CMU WALL AT EXTERIOR WALL. SEE NEW LINTEL DETAIL 3/S1.05 FOR SUPPORTING NEW MECH/PLBG OPENING THROUGH EXISTING EXTERIOR MASONRY WALL. DO NOT EXTEND MECH/PLBG OPENING THROUGH EXISTING LOAD BEARING WALLS UNLESS NOTED ON PLAN.
7. PROVIDE MECHANICAL DUCT OPENING IN EXISTING MASONRY WALL AT MAIN LEVEL. SEE TYPICAL DETAIL 4/S0.05. SEE ARCHITECTURAL DRAWINGS FOR LOCATION.
8. PROVIDE MECHANICAL DUCT OPENING THROUGH NEW 12" CMU WALL AND EXISTING 8" CMU WALL AT MAIN LEVEL. SEE NEW LINTEL DETAIL 2/S0.05. SEE NEW LINTEL DETAIL 2/S0.05 FOR OPENING THROUGH THE EXISTING 8" CMU WALL.
9. PROVIDE MECHANICAL DUCT EXTENDING THROUGH EXISTING PRECAST DT ROOF. SEE DETAIL 1/S1.05 FOR SUPPORTING NEW MECH/PLBG OPENING THROUGH EXISTING ROOF. DO NOT CORE THROUGH THE PRECAST TEE (WEB) OF THE PRECAST DT ROOF SYSTEM. SEE TYPICAL DETAIL ON SHEET S0.03.
10. INDICATES DRYER EXHAUST DUCT EXTENDING THROUGH EXISTING PRECAST DT ROOF. SEE DETAIL 2/S1.05 FOR SUPPORTING NEW MECH/PLBG OPENING THROUGH EXISTING ROOF. DO NOT CORE THROUGH THE PRECAST TEE (WEB) OF THE PRECAST DT ROOF SYSTEM. SEE TYPICAL DETAIL ON SHEET S0.03.



KEY PLAN



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TECHNI-JONES
PROJECT # 25165

LOW AND CANOPY ROOF FRAMING PLAN - PART B

S1.04B

ALABAMA REGISTERED CHRISTOPHER S. JONES No. 33264 PROFESSIONAL ENGINEER 11/04/2026

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

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S1.05

OVERALL ROOF FRAMING PLAN

ESCC LOLLEY GYM RENOVATION
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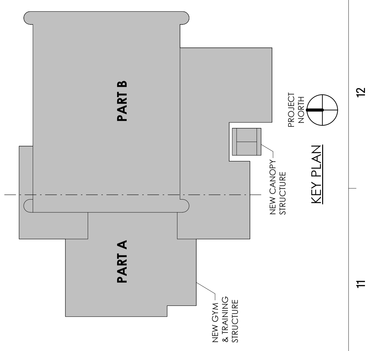
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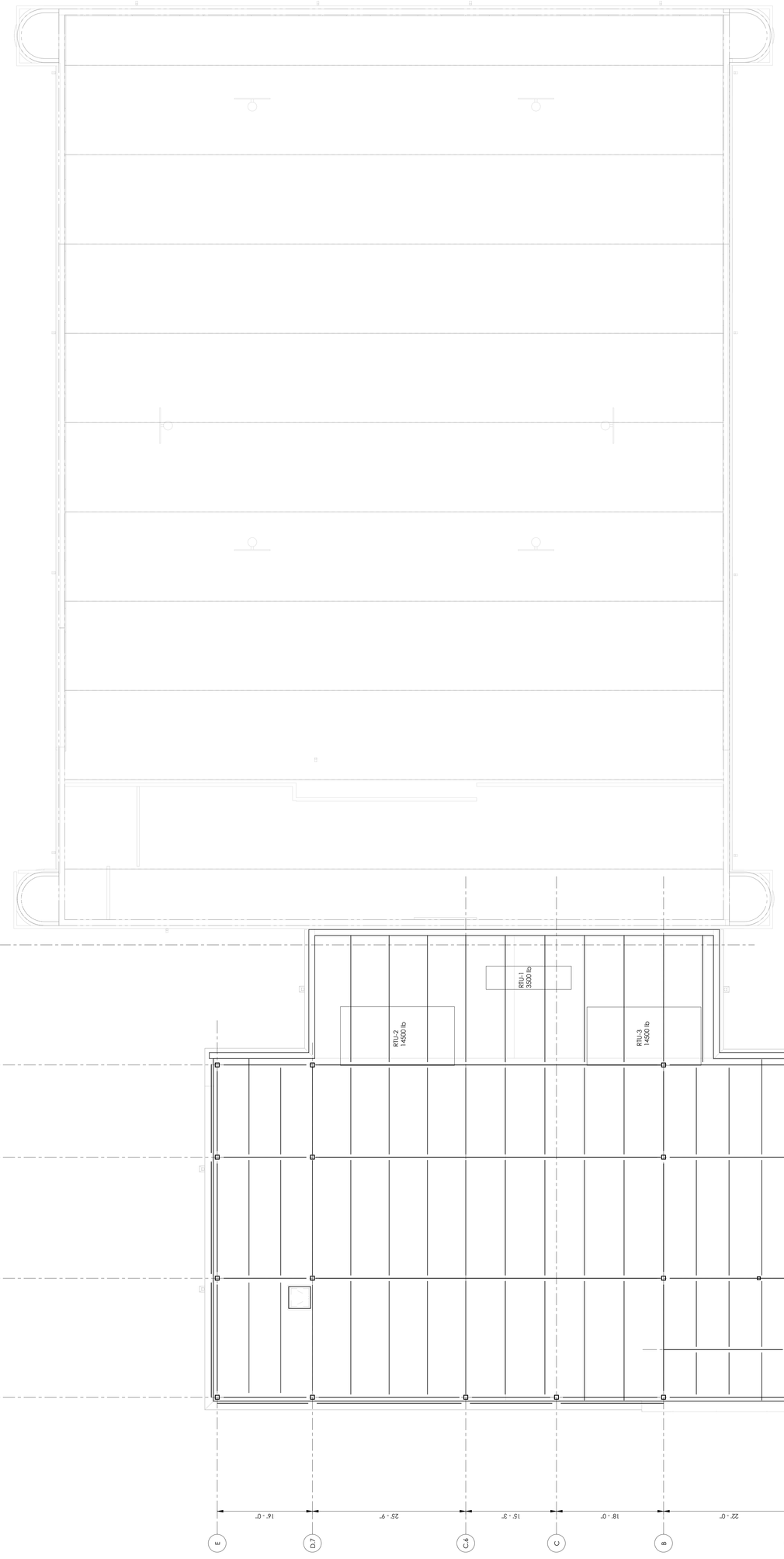
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BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5666
PROJECT #251105

TECTONICS



KEY PLAN

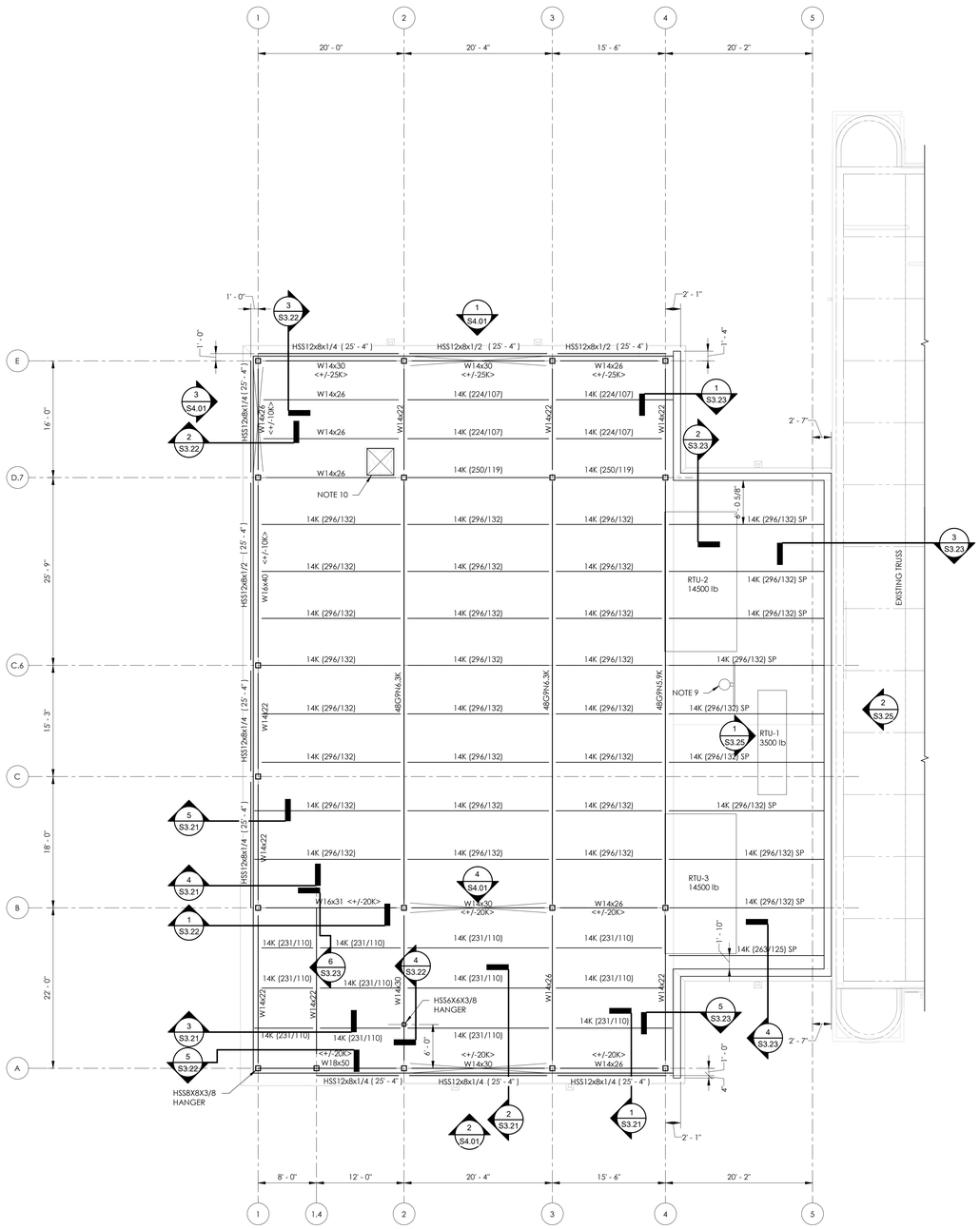


PROJECT NORTH

OVERALL ROOF FRAMING PLAN

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

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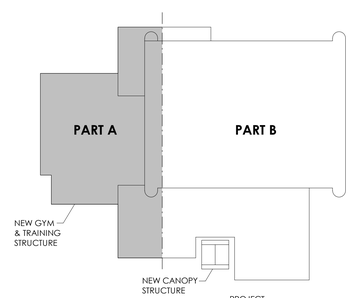


ROOF FRAMING PLAN - PART A

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

1. JOIST BEARING (TOP OF STEEL BEAMS AND JOIST GIRDERS) ELEVATION 28'-10", UNLESS NOTED.
2. GYM ROOF SYSTEM: 1-1/2" ACOUSTIC STEEL ROOF DECK ON STEEL JOISTS BEARING ON STEEL JOIST GIRDERS OR BEAMS, UNLESS NOTED. SEE GENERAL NOTES FOR ROOF DECK ATTACHMENT PATTERN.
3. CANOPY ROOF SYSTEM: 1-1/2" STEEL ROOF DECK ON STEEL JOISTS BEARING ON STEEL JOIST GIRDERS OR BEAMS, UNLESS NOTED. SEE GENERAL NOTES FOR ROOF DECK ATTACHMENT PATTERN.
4. BEAMS PARALLEL TO JOIST ARE 2-1/2" HIGHER THAN SUPPORTING MEMBERS.
5. SPACE JOISTS EQUALLY BETWEEN BEAMS OR COLUMN CENTERLINES, UNLESS NOTED.
6. JOISTS LABELED AS "SP" JOISTS SHALL BE DESIGNED FOR THE MECHANICAL UNIT LOAD SHOWN IN ADDITION TO THE SJI LOADING.
7. BEAM REACTIONS ARE INDICATED AT ENDS OF BEAMS AS "XK", WHERE "X" IS THE MAGNITUDE OF THE WORKING LOAD SHEAR REACTION IN KIPS, UNLESS NOTED. WHERE A SHEAR REACTION IS NOT INCLUDED ON PLAN, DESIGN CONNECTION FOR A SHEAR REACTION OF 10 KIPS.
8. <XXK> INDICATES AXIAL FORCE REQUIRED AT BEAM CONNECTION. LOADS ARE SERVICE LEVEL (ASD) AND SUBJECT TO REVERSAL.
9. CONTRACTOR TO COORDINATE LOCATION OF HANGING BASKETBALL GOAL WITH JOIST DESIGNER/MANUFACTURER. ASSUME BASKETBALL GOAL WEIGHT = 1500 POUNDS. COORDINATE WITH FINAL SELECTED BASKETBALL GOAL MANUFACTURER.
10. INDICATES ROOF HATCH. SEE ROOF FRAMING TYPICAL DETAIL.

PROJECT NORTH



KEY PLAN

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ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
ENTERPRISE, AL 36330

ACCS 2025.130 ESCC
GMC ABHM250051

ALABAMA REGISTERED No. 31254 PROFESSIONAL ENGINEER CHRISTOPHER S. CHERRY

11/06/2026

ROOF FRAMING PLAN - PART A

S1.05A

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S1.05B

ROOF FRAMING PLAN - PART B

ESCC LOLLEY GYM RENOVATION
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ENTERPRISE, AL 36330

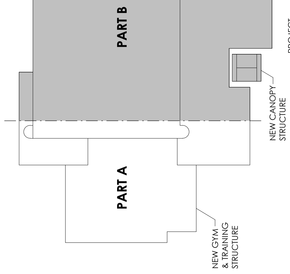
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GMC ABHM250051

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PROJECT # 251105

11/04/2026



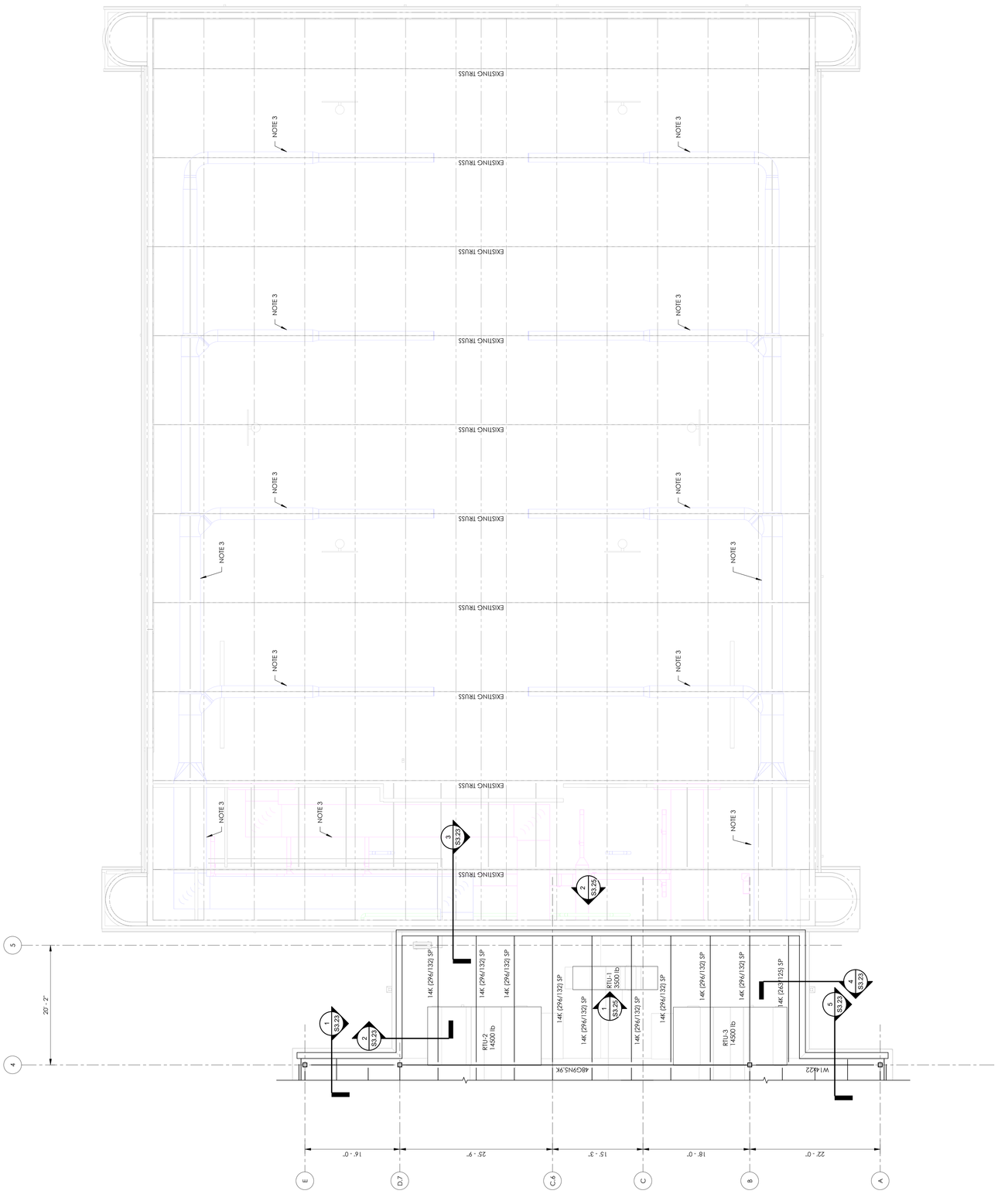
KEY PLAN

PROJECT NORTH

ROOF FRAMING PLAN - PART B

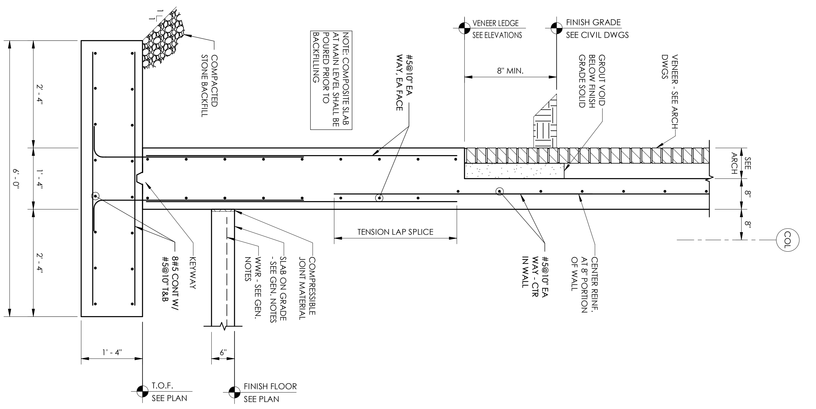
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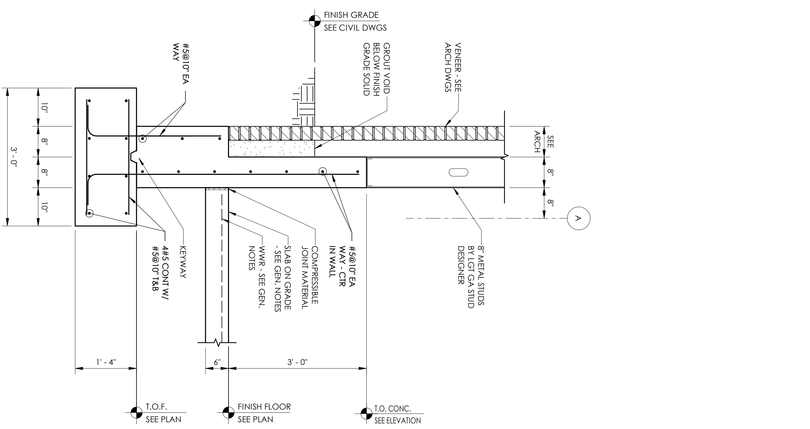
1. EXISTING GYM ROOF TRUSS BEARING (TOP OF CONC RING BEAM) ELEVATION +36'-0" AFF, UNLESS NOTED.
2. EXISTING GYM ROOF SYSTEM: 2 1/2" FIBER (TECTUM) ROOF DECK SUPPORTED ON DOUBLE BULB TEE (UNKNOWN SIZE) BEAM PURLINS, SUPPORTED ON DOUBLE PITCHED ROOF TRUSSES.
3. NEW MECHANICAL DUCTS AND FIRE PROTECTION PIPING SHALL BE SUPPORTED FROM EXISTING STRUCTURE. **DO NOT SUPPORT DUCT OR PIPING FROM THE EXISTING METAL ROOF DECK OR BULB TEES.** ATTACHMENT OF DUCT AND PIPING TO ROOF STRUCTURE IS BY OTHERS. ADDED DUCT AND PIPING LOAD TO THE EXISTING ROOF STRUCTURE SHALL NOT EXCEED 10 PSF.

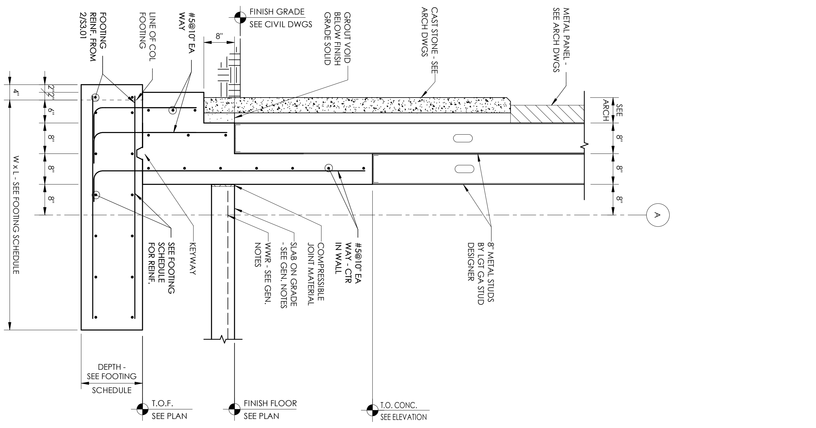


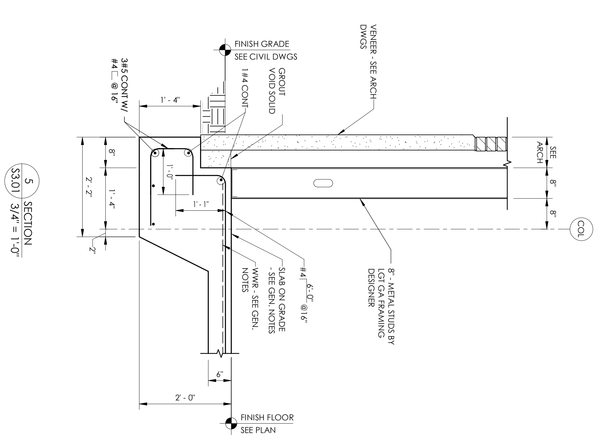
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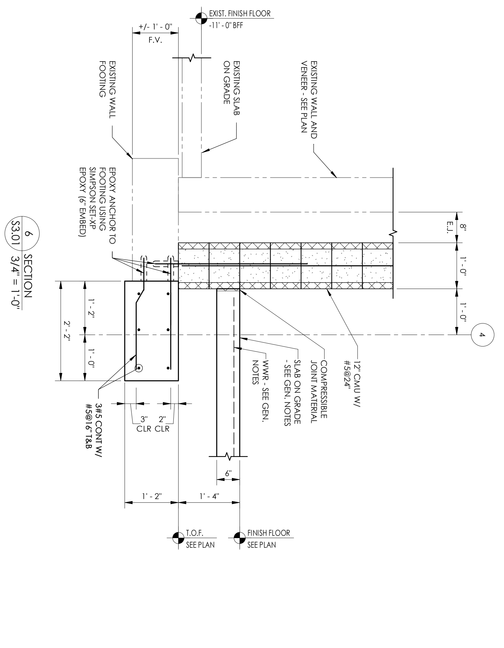
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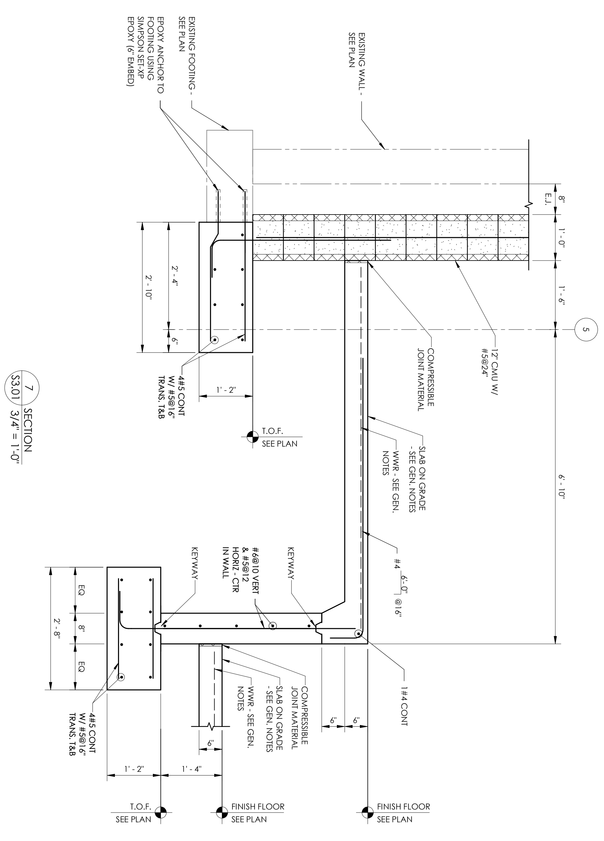


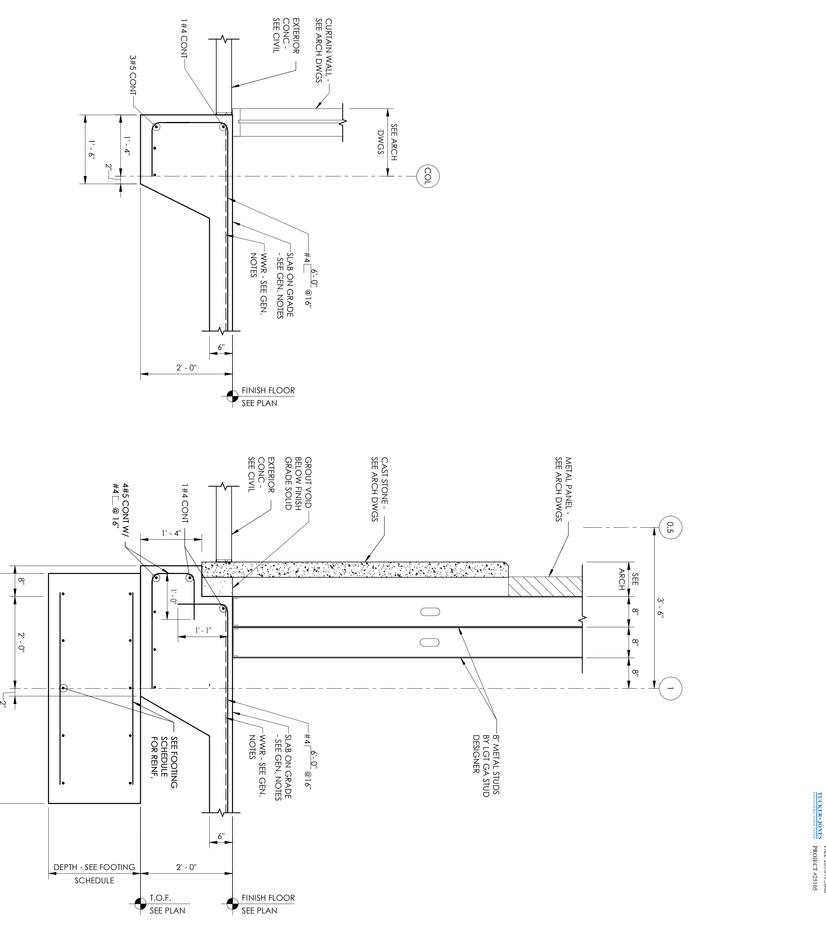








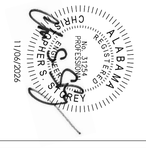




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PROJECT #25160

SECTIONS

S3.01



ESCC LOLLEY GYM RENOVATION

600 PLAZA DR
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

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SECTIONS

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

ALABAMA REGISTERED ARCHITECT No. 33264 PROFESSIONAL CHRISTOPHER SHEPHERD
11/04/2026

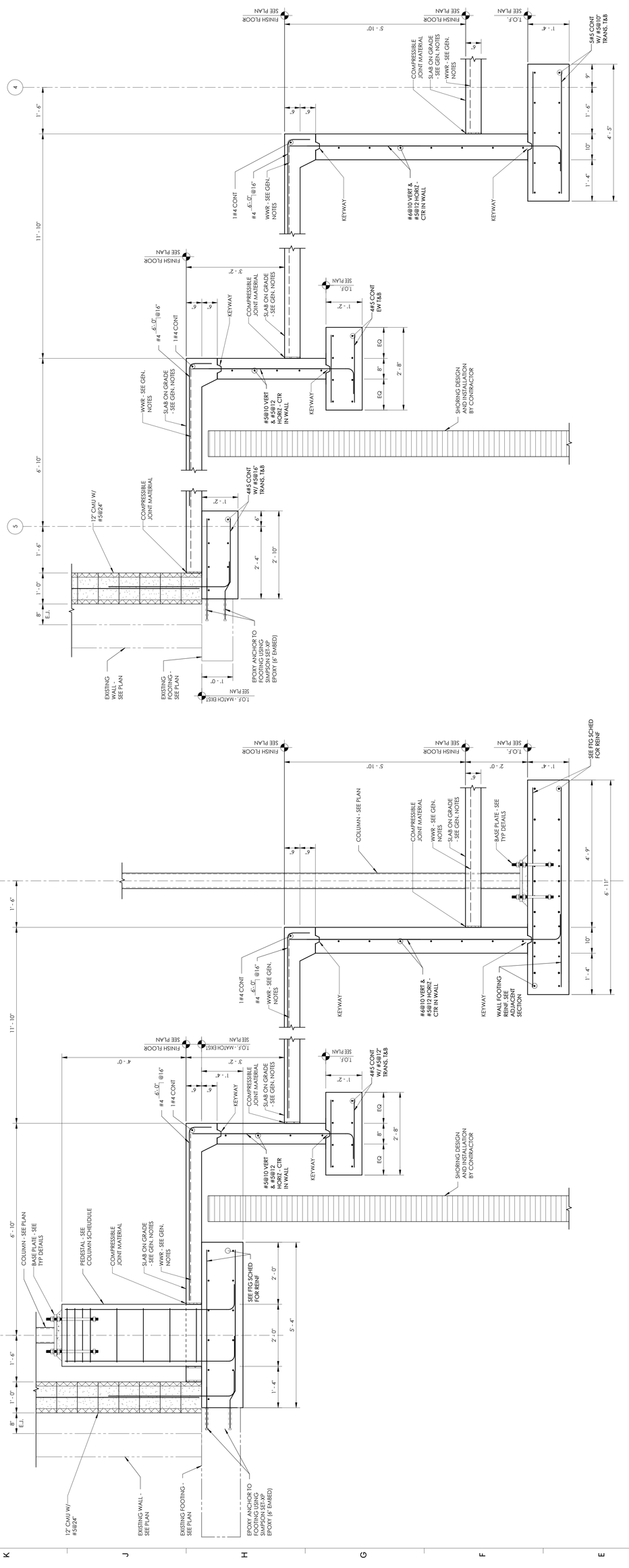
S3.02

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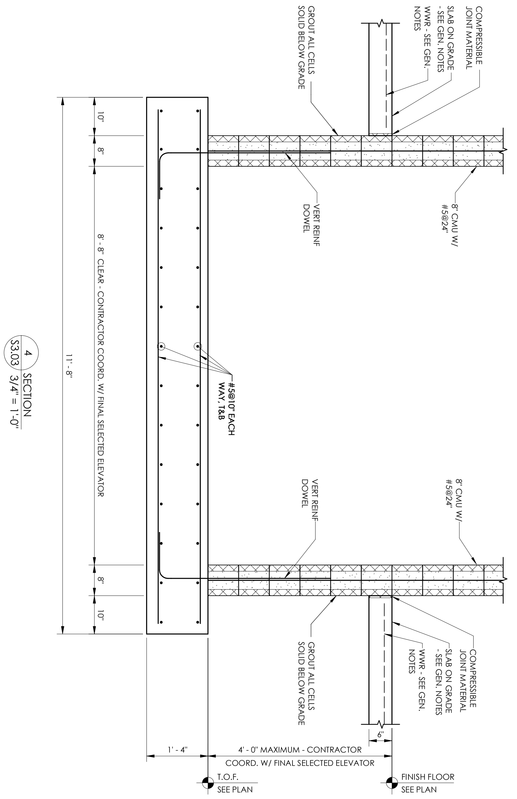
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PROJECT #251105

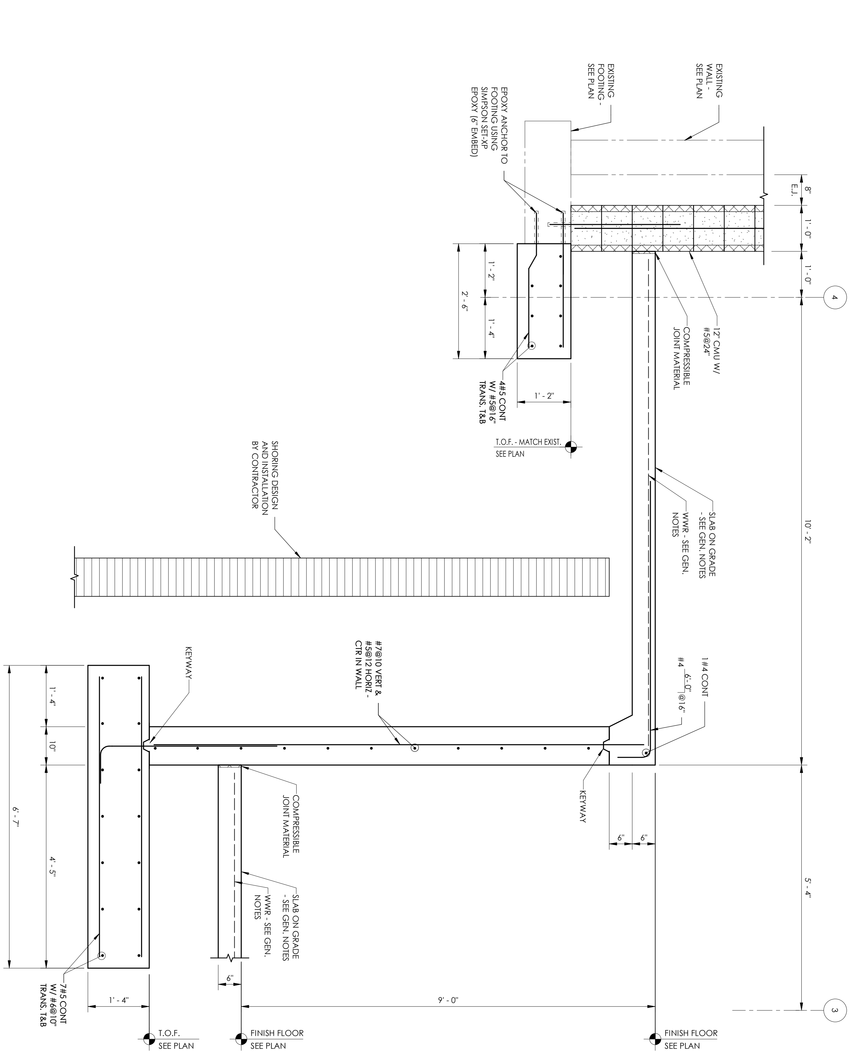


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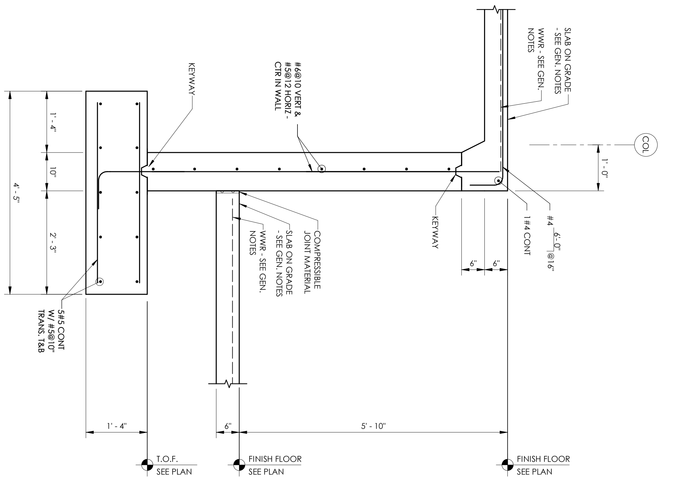


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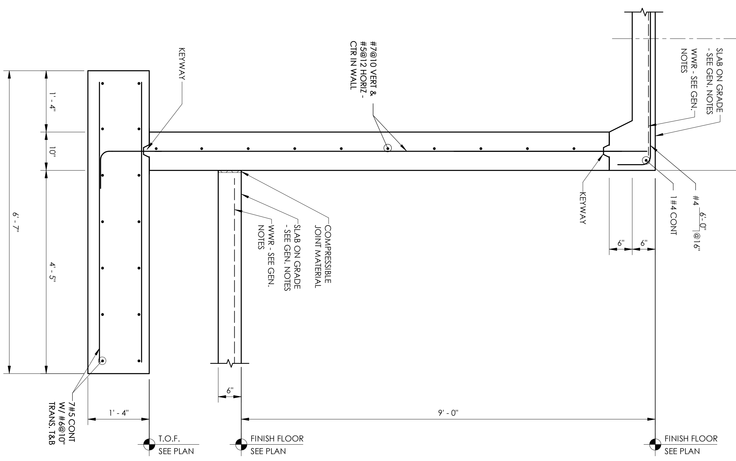
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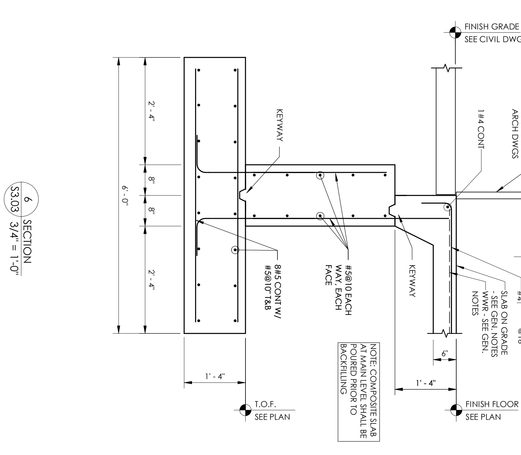
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2 S3.03 SECTION 3/4" = 1'-0"



3 S3.03 SECTION 3/4" = 1'-0"



6 S3.03 SECTION 3/4" = 1'-0"

ELLENBURG JONES
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PROJECT #25185

SECTIONS

S3.03

ESCC LOLLEY GYM RENOVATION

600 PLAZA DR
ENTERPRISE, AL 36330

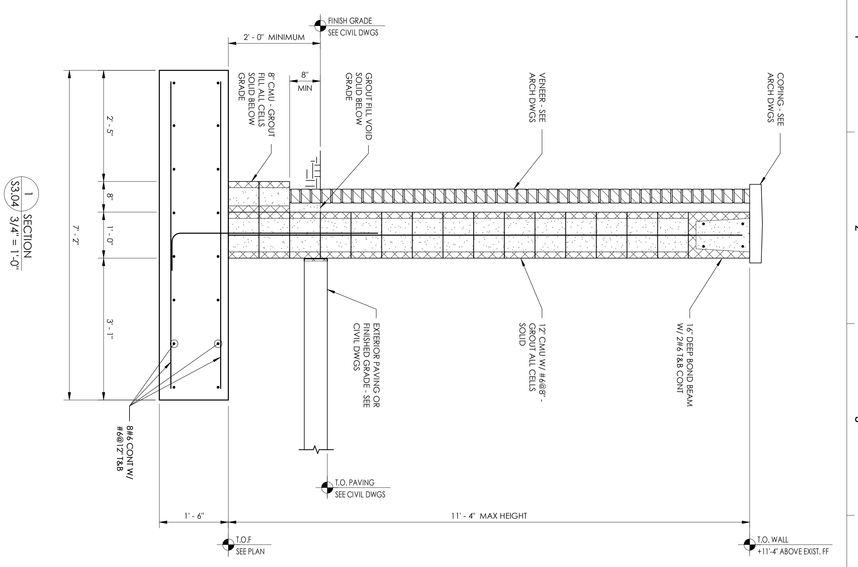
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ISSUE	DATE
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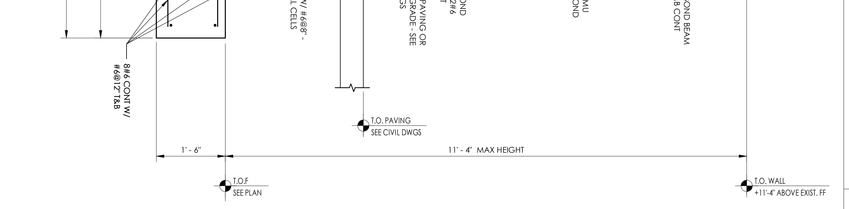
Goodwyn Mills Cawood, LLC
2400 5th Avenue South, Suite 200
Birmingham, AL 35233
T 205.879.4462
GMCNETWORK.COM

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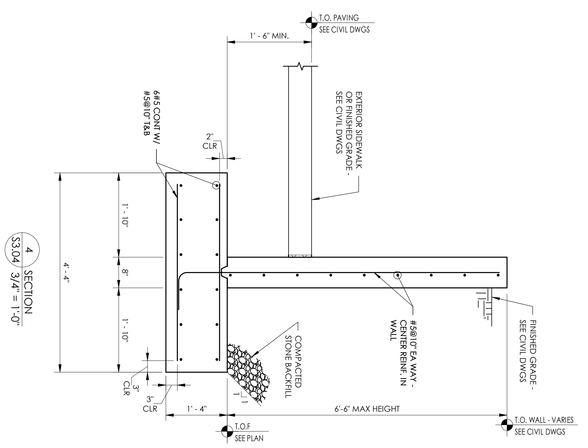
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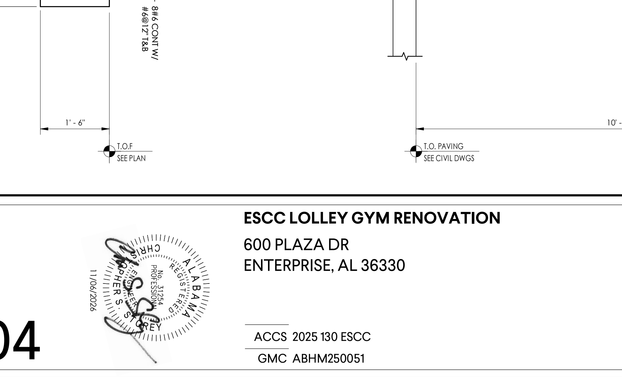
1 S3.04 SECTION 3/4" = 1'-0"



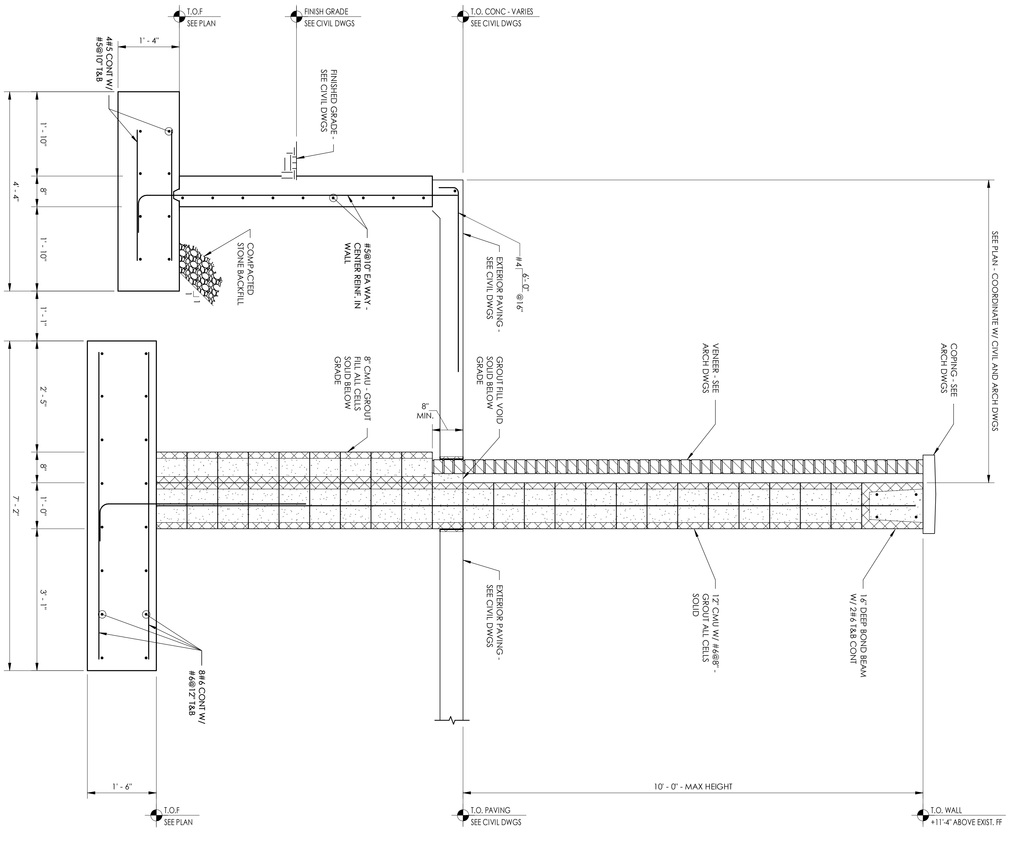
2 S3.04 SECTION 3/4" = 1'-0"



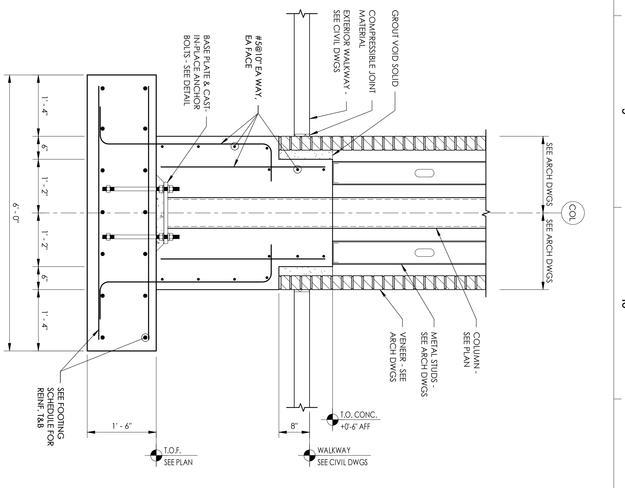
4 S3.04 SECTION 3/4" = 1'-0"



5 S3.04 SECTION 3/4" = 1'-0"



6 S3.04 SECTION 3/4" = 1'-0"



3 S3.04 SECTION 3/4" = 1'-0"

T.J. ELLIS & ASSOCIATES
3300 CAHABA ROAD, SUITE 210
HOMEWOOD, ALABAMA 35223
PHONE: 205.879.7666
FAX: 205.879.7666
PROJECT #221105

SECTIONS

S3.04

ESCC LOLLEY GYM RENOVATION

600 PLAZA DR
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

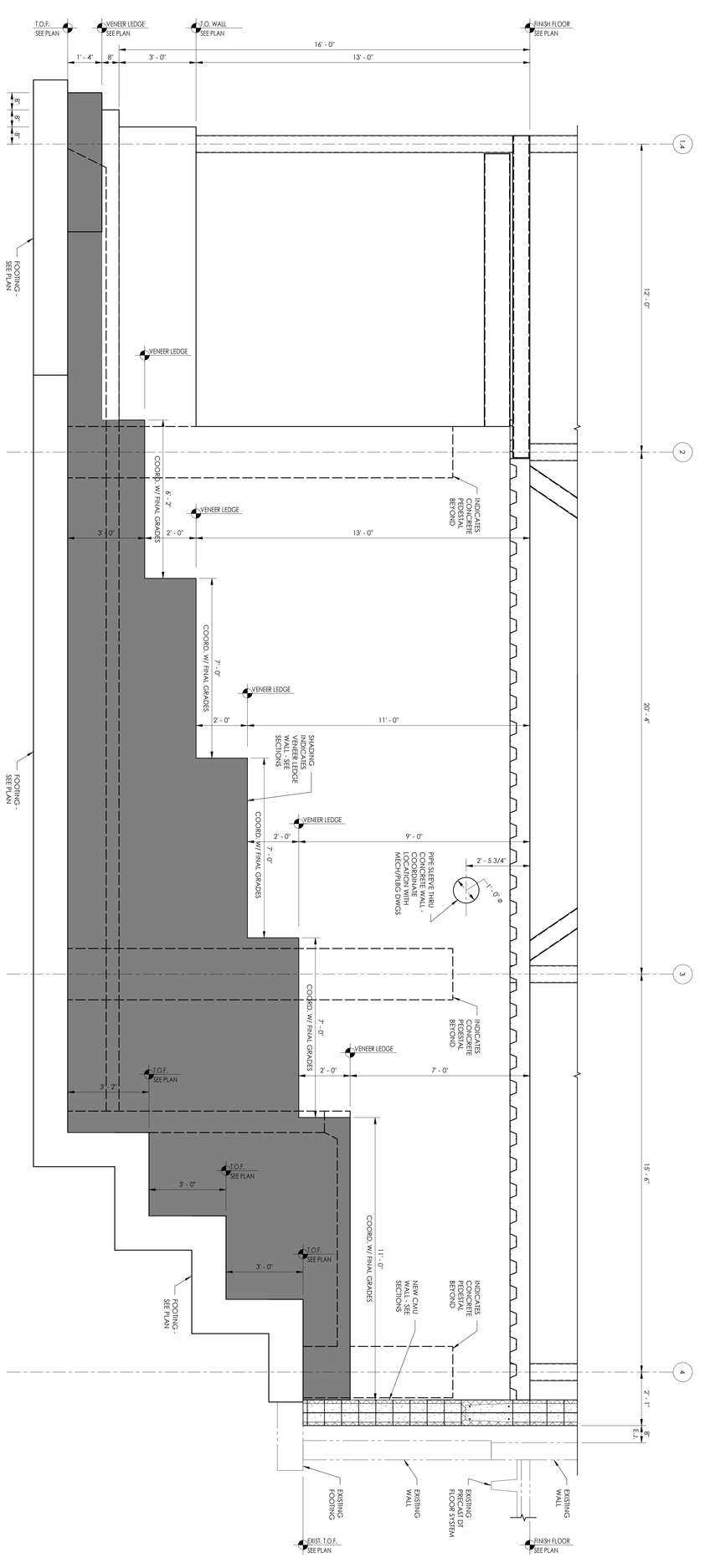
ISSUE	DATE
ISSUED FOR BID	2026.11.06

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1 S3.05 ELEVATION 1/2" = 1'-0"



SECTIONS

S3.05

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

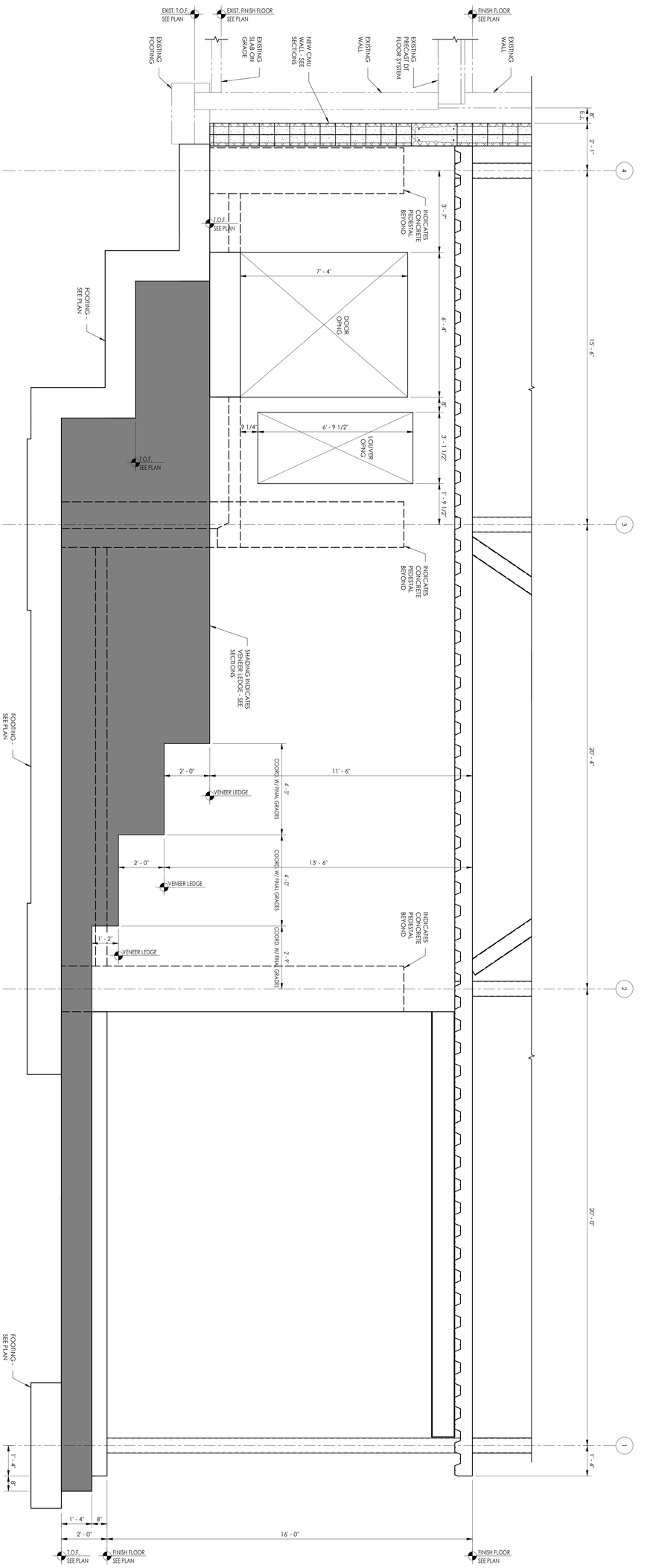
ISSUE	DATE
ISSUED FOR BID	2026.11.06

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3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5666
PROJECT #25105

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1 ELEVATION
S3.06 1/2" = 1'-0"

3300 CAHABA MANOR, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5666
FAX: 205.879.5666
PROJECT #25185

SECTIONS

S3.06

ESCC LOLLEY GYM RENOVATION

600 PLAZA DR
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

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Birmingham, AL 35233
T 205.879.4462
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S3.11

SECTIONS

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

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Goodwyn Mills Cawood, LLC
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Birmingham, AL 35233
T 205.879.4462
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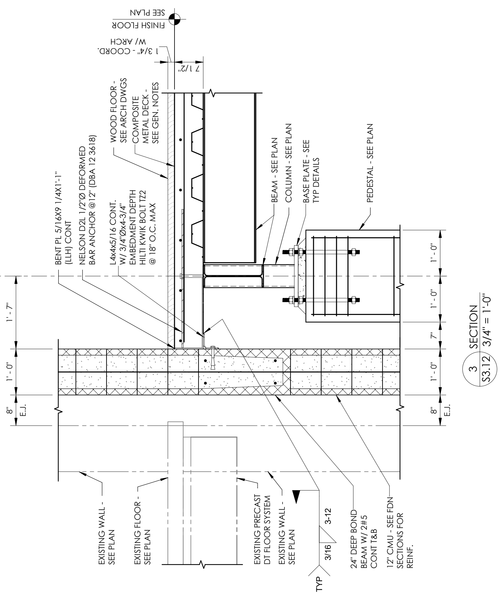
3100 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5666
FAX: 205.879.5666
PROJECT #251105

1 SECTION S3.11 3/4" = 1'-0"
2 SECTION S3.11 3/4" = 1'-0"
3 SECTION S3.11 3/4" = 1'-0"
4 SECTION S3.11 3/4" = 1'-0"
5 SECTION S3.11 3/4" = 1'-0"
6 SECTION S3.11 3/4" = 1'-0"
7 SECTION S3.11 3/4" = 1'-0"
8 SECTION S3.11 3/4" = 1'-0"
9 SECTION S3.11 3/4" = 1'-0"
10 SECTION S3.11 3/4" = 1'-0"
11 SECTION S3.11 3/4" = 1'-0"
12 SECTION S3.11 3/4" = 1'-0"

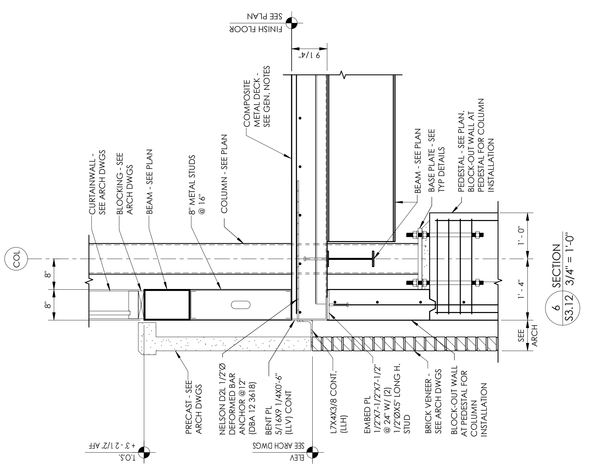
NOTE: SEE ADJACENT SECTION FOR CANOPY DETAILS.

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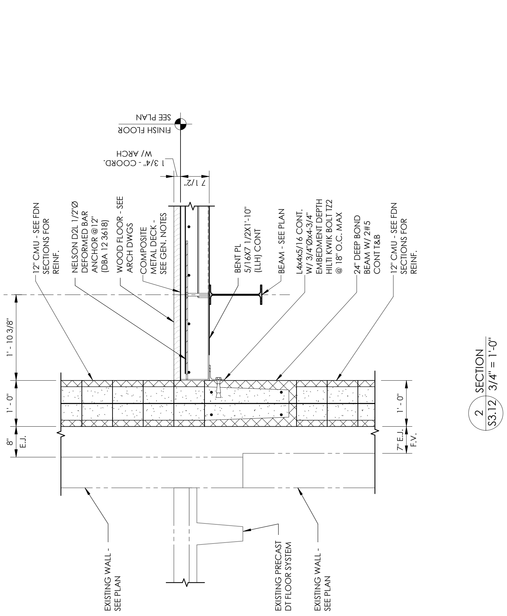
3100 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5666
FAX: 205.879.5666
TECHNI-SPANS
PROJECT #25105



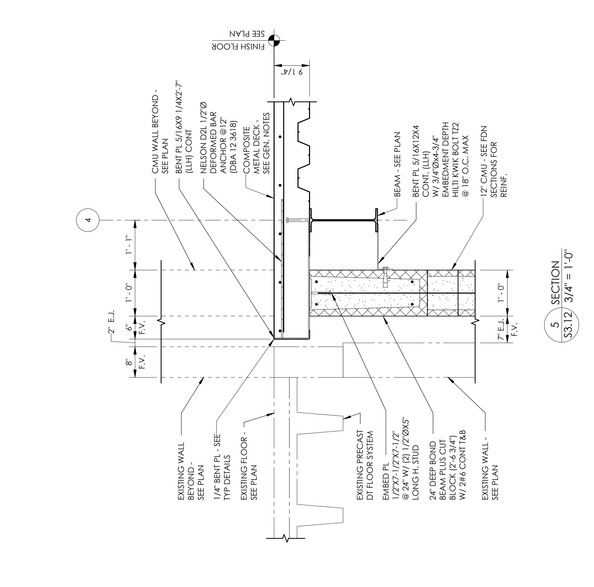
3 SECTION
S3.1/2 3/4" = 1'-0"



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



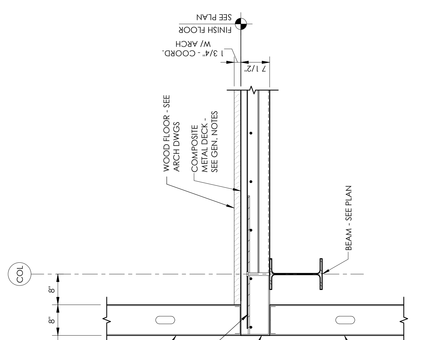
2 SECTION
S3.1/2 3/4" = 1'-0"



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

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

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



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

SECTIONS

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
ENTERPRISE, AL 36330

ALABAMA
No. 37264
PROFESSIONAL ENGINEER
CHRISTOPHER S. SMITH
11/04/2026

ACCS 2025 130 ESCC
GMC ABHM250051

S3.12

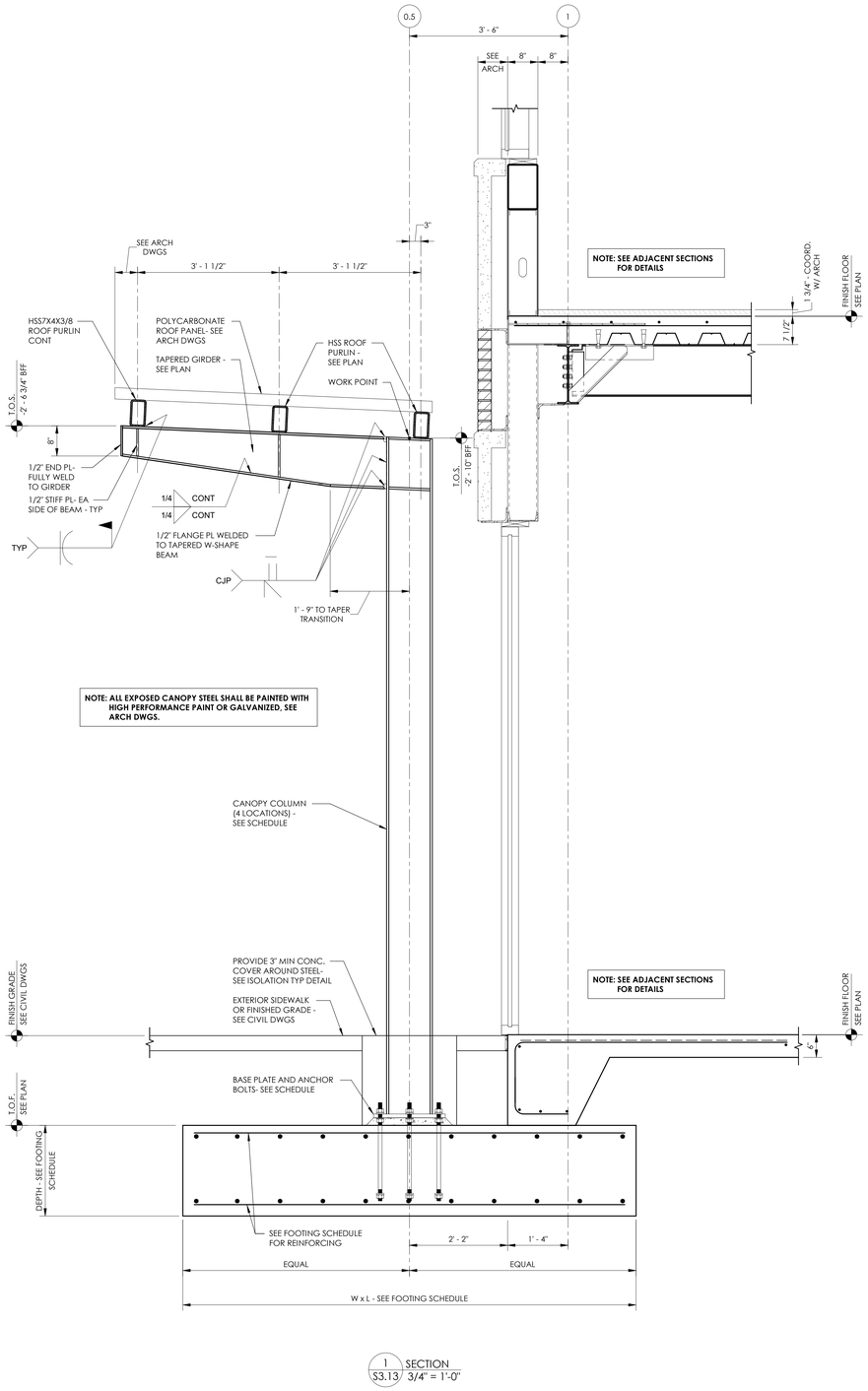
ISSUE	DATE
ISSUED FOR BID	2026.11.06

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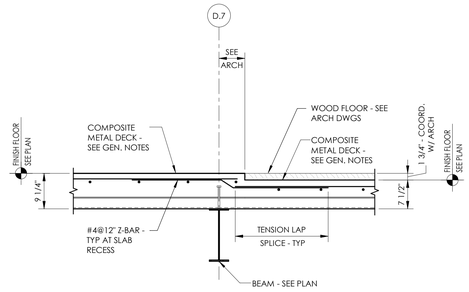
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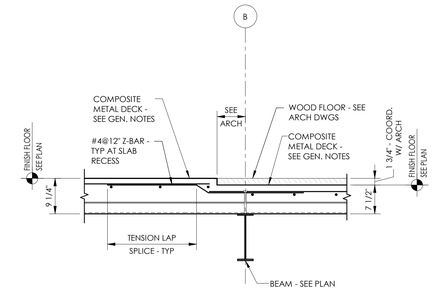
TUCKER-JONES ENGINEERING ASSOCIATES
3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5606
PROJECT #25105



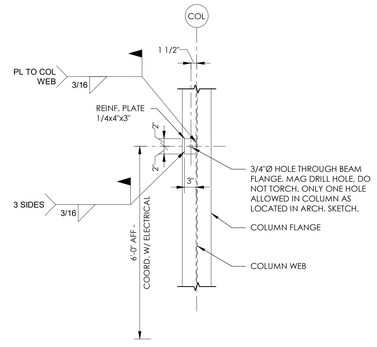
1 S3.13 SECTION 3/4" = 1'-0"



2 S3.13 SECTION 3/4" = 1'-0"



3 S3.13 SECTION 3/4" = 1'-0"



COLUMN FLANGE REINFORCING DETAIL AT EXTERIOR CANOPY

NOTES:
1. WEB PLATE ON INSIDE OF COLUMN FLANGE, BEVEL PLATE AS REQUIRED TO AVOID RADIUS INTERSECTION OF COLUMN FLANGE & WEB.

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ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
ENTERPRISE, AL 36330

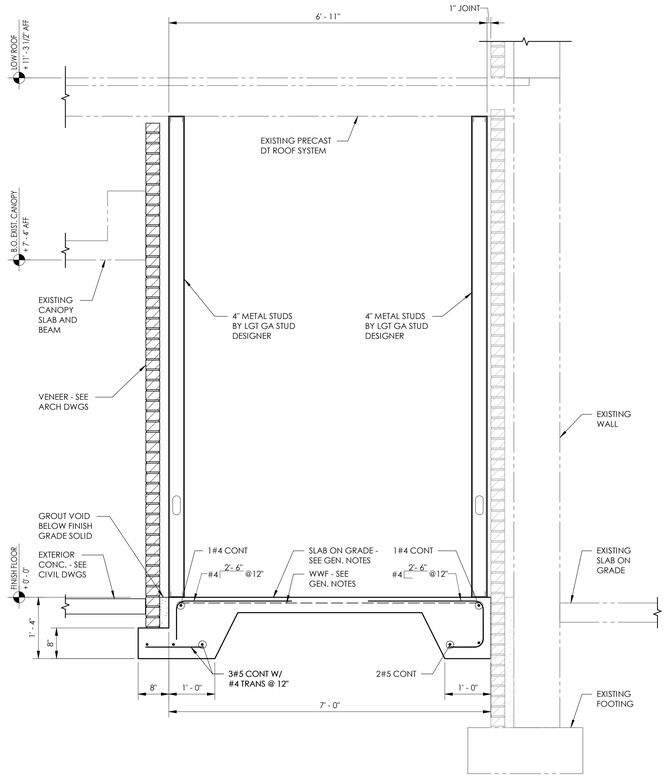
ACCS 2025 130 ESCC
GMC ABHM250051

ALABAMA REGISTERED PROFESSIONAL ENGINEER No. 31254 CHRISTOPHER S. [illegible]
11/06/2026

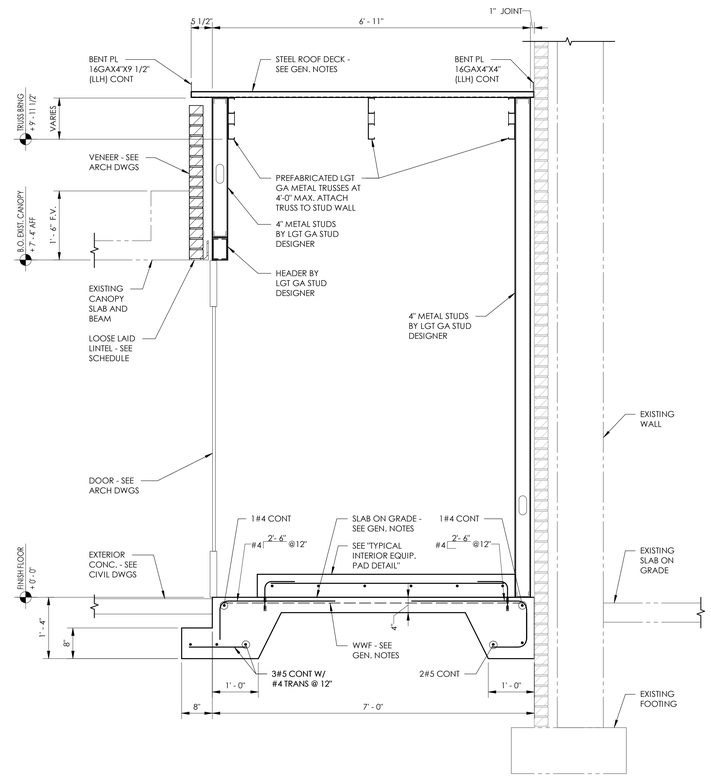
SECTIONS

S3.13

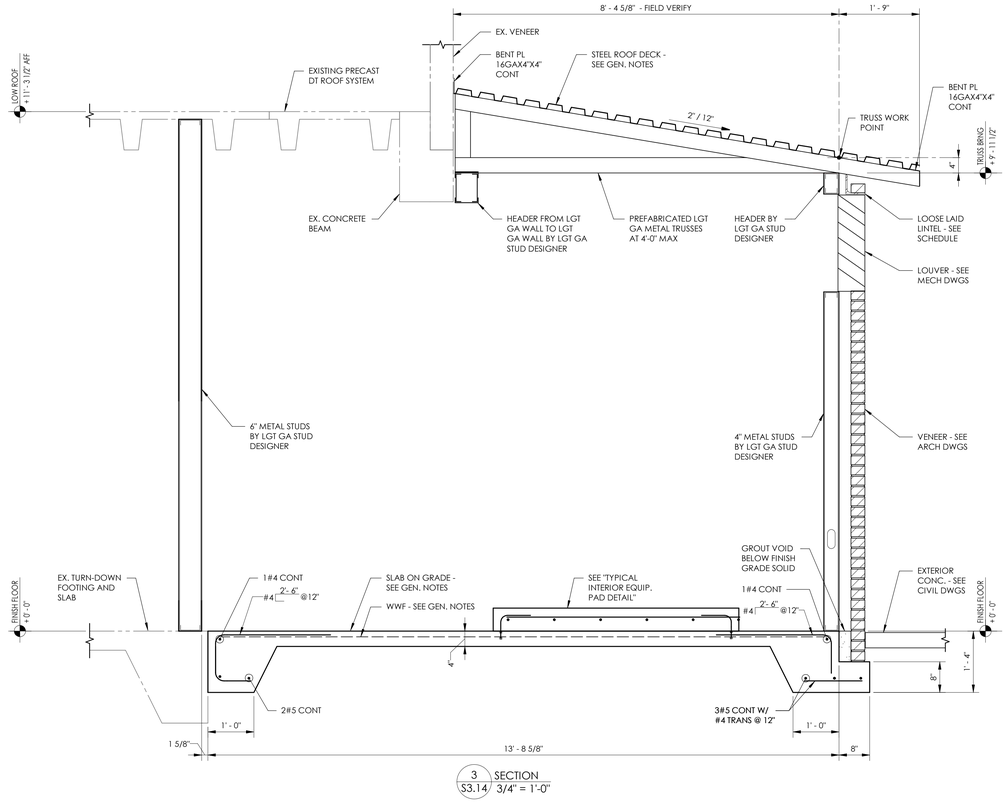
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1 S3.14 SECTION 3/4" = 1'-0"



2 S3.14 SECTION 3/4" = 1'-0"



3 S3.14 SECTION 3/4" = 1'-0"

TUCKER-JONES
3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5606
PROJECT #25105

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Birmingham, AL 35233
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ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

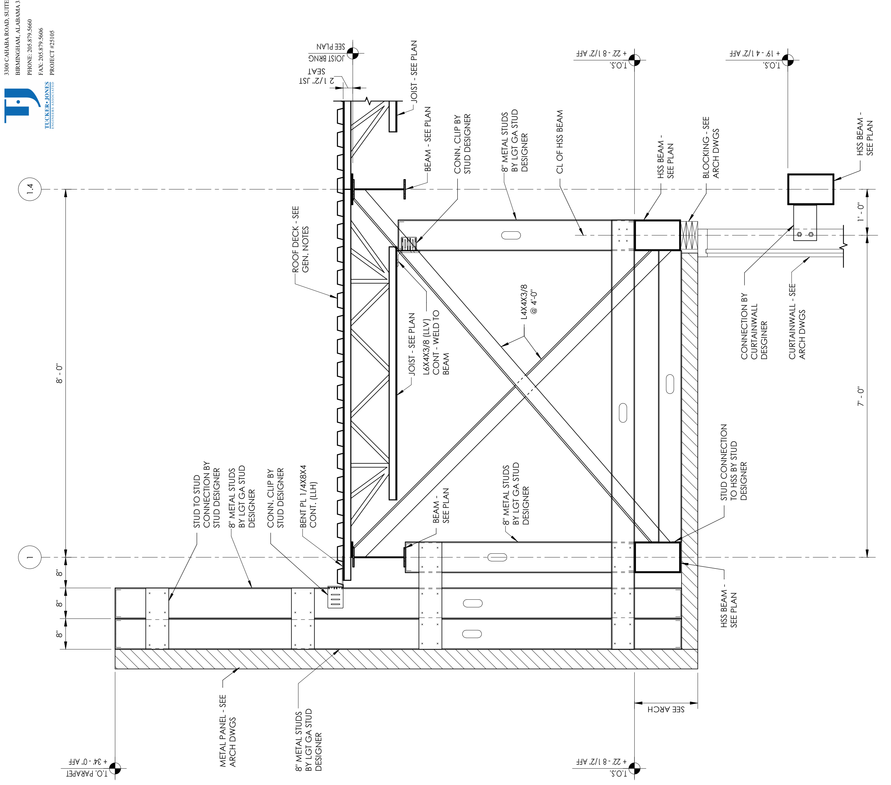
ALABAMA REGISTERED PROFESSIONAL ENGINEER
No. 31724
CHRISTOPHER S. [illegible]
11/06/2026

SECTIONS

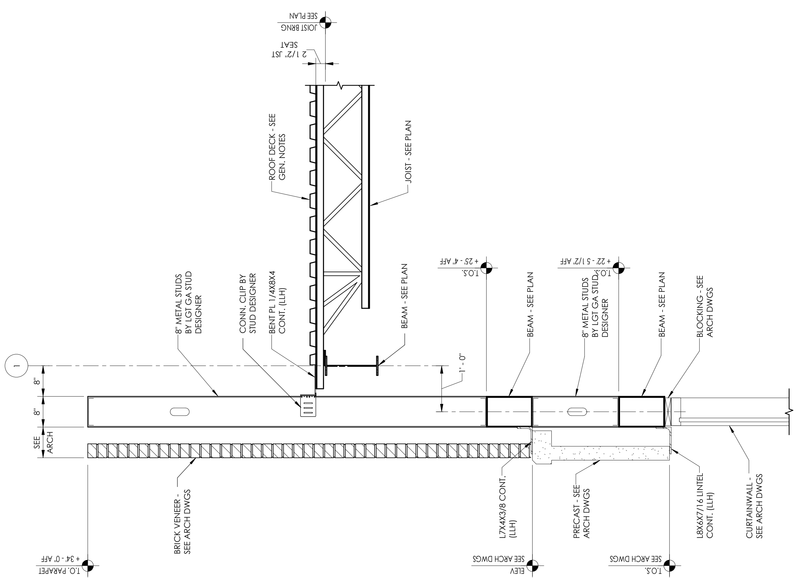
S3.14

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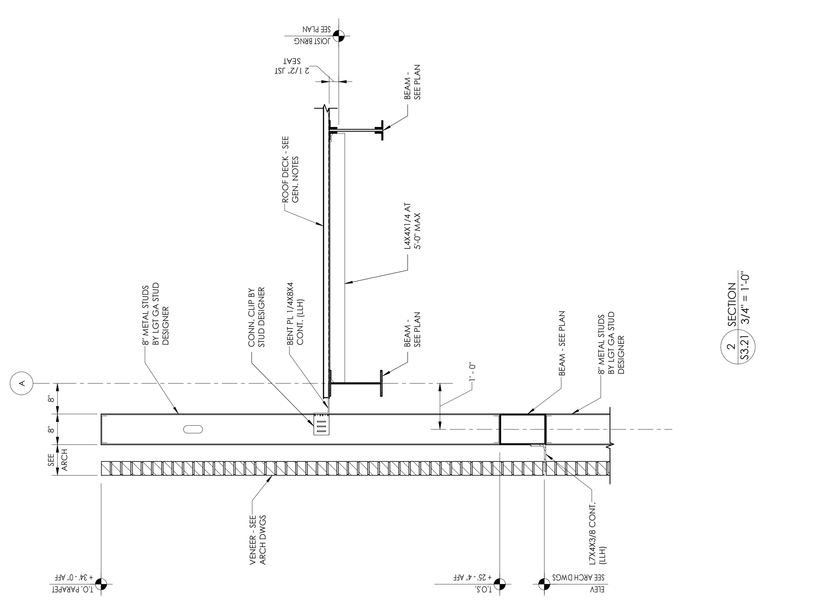
3100 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5666
FAX: 205.879.5666
TECHNI-JONES
PROJECT #25165



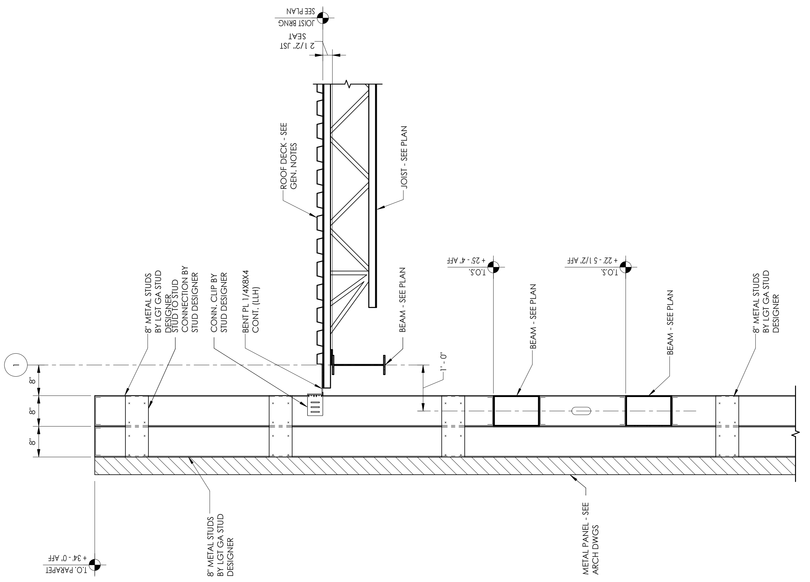
3 SECTION S3.21 3/4" = 1'-0"



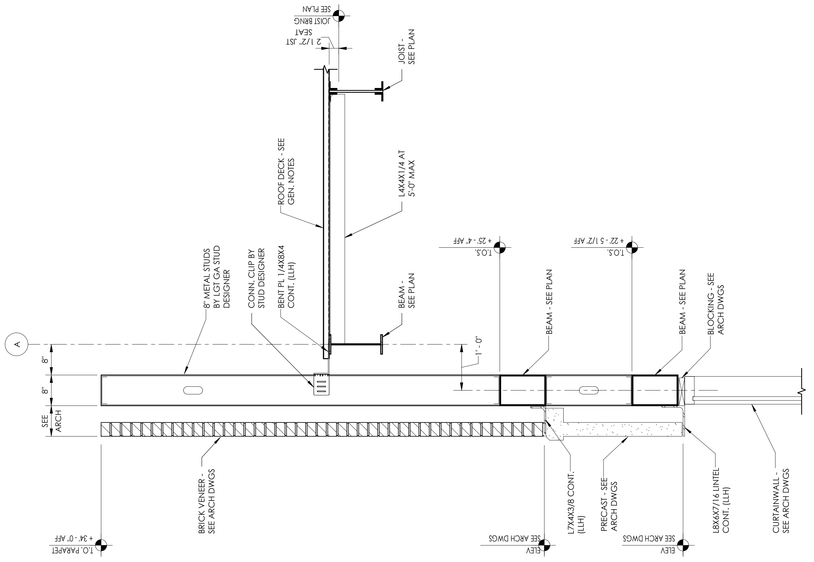
5 SECTION S3.21 3/4" = 1'-0"



2 SECTION S3.21 3/4" = 1'-0"



4 SECTION S3.21 3/4" = 1'-0"



1 SECTION S3.21 3/4" = 1'-0"

SECTIONS

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

ALABAMA — No. 37264 — PROFESSIONAL ENGINEER — CHRISTOPHER S. SCHER
11/04/2026

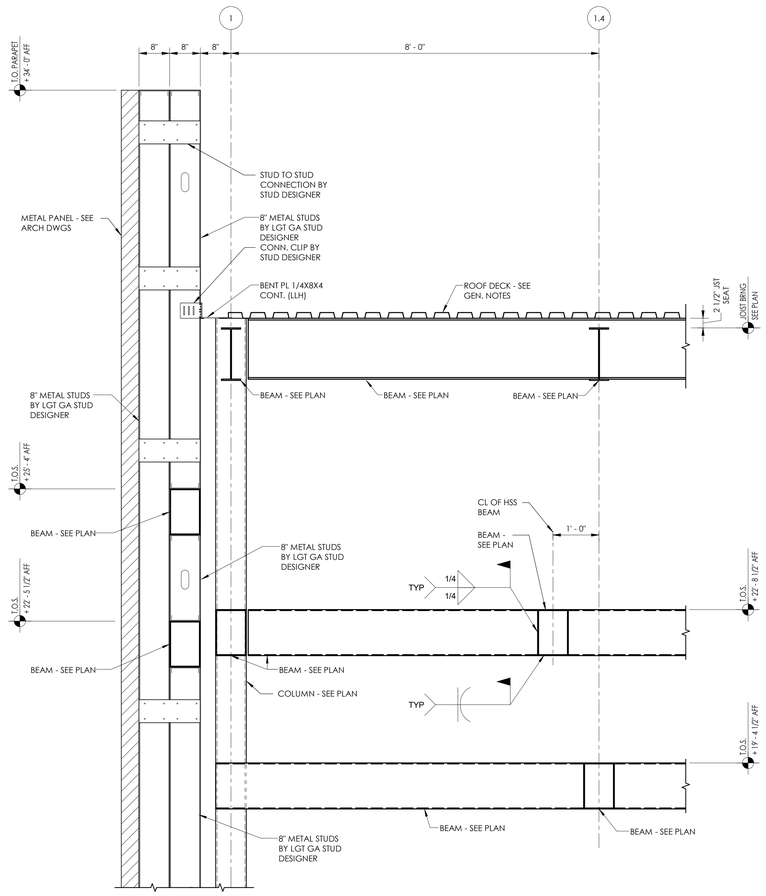
S3.21

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2400 5th Avenue South, Suite 200
Birmingham, AL 35233
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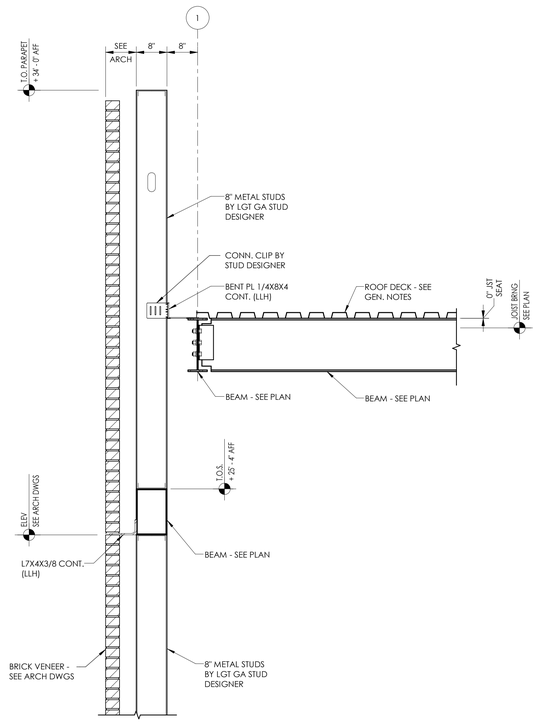
GMC

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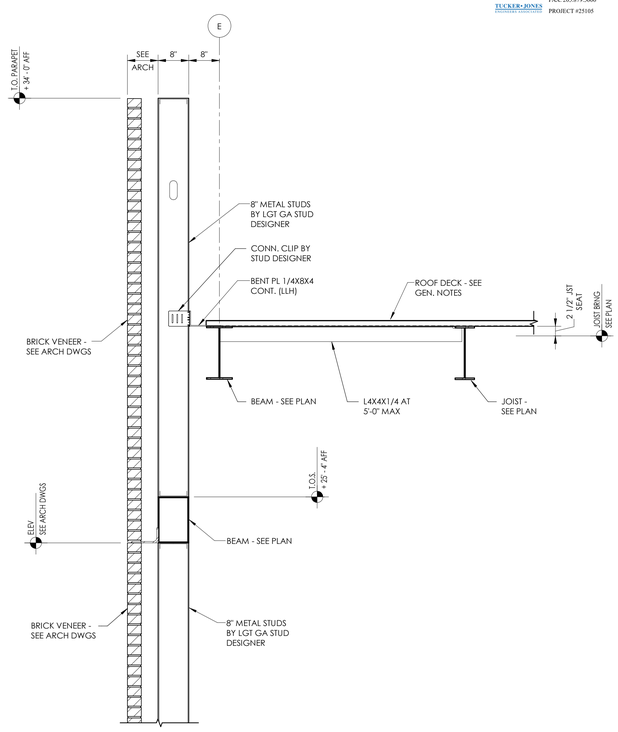


1 SECTION S3.22 3/4" = 1'-0"

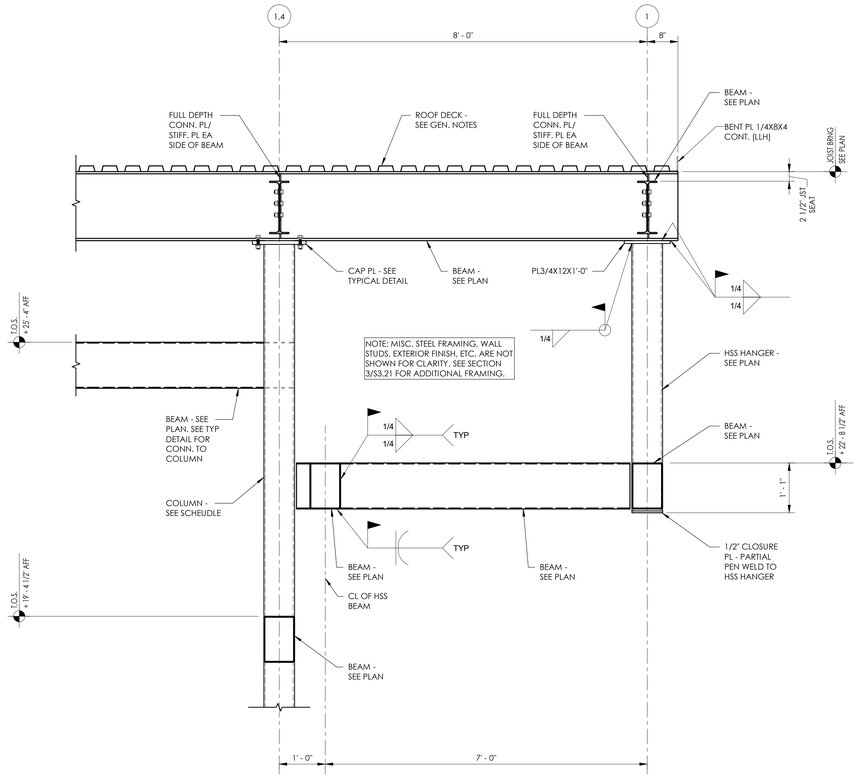
4 SECTION S3.22 3/4" = 1'-0"



2 SECTION S3.22 3/4" = 1'-0"



3 SECTION S3.22 3/4" = 1'-0"



5 SECTION S3.22 3/4" = 1'-0"

TUCKER-JONES ENGINEERING ASSOCIATES
3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5606
PROJECT #25105

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Birmingham, AL 35233
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ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

ALABAMA REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER S
No. 31254
11/06/2026

SECTIONS

S3.22

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SECTIONS

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

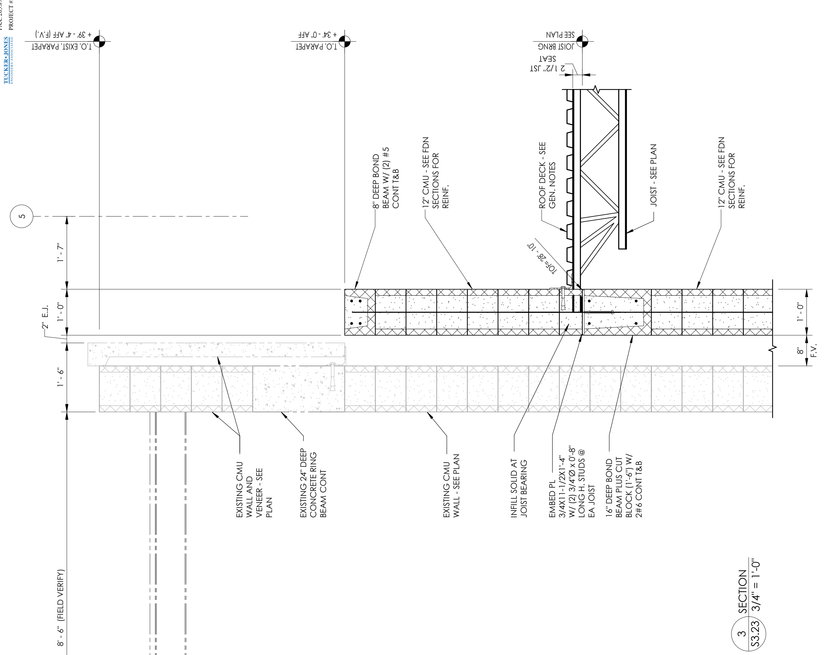
ALABAMA LICENSED PROFESSIONAL ENGINEER No. 37264 CHRISTOPHER S. SMITH
11/04/2026

ISSUE	DATE
ISSUED FOR BID	2026.11.06

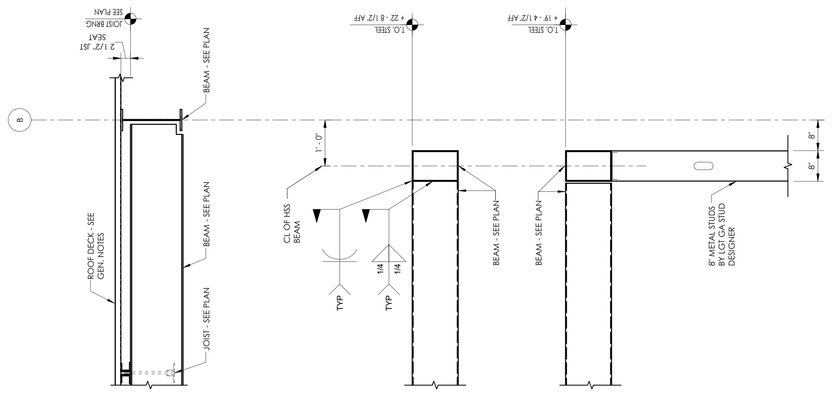
Goodwyn Mills Cawood, LLC
2400 5th Avenue South, Suite 200
Birmingham, AL 35233
T 205.879.4462
GMCNETWORK.COM

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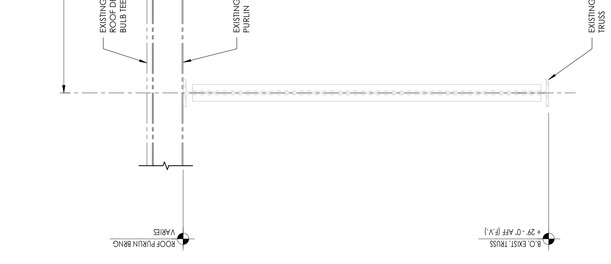
TECTA ASSOCIATES
3100 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5666
FAX: 205.879.5666
PROJECT #25105



3 SECTION S3.23 3/4" = 1'-0"



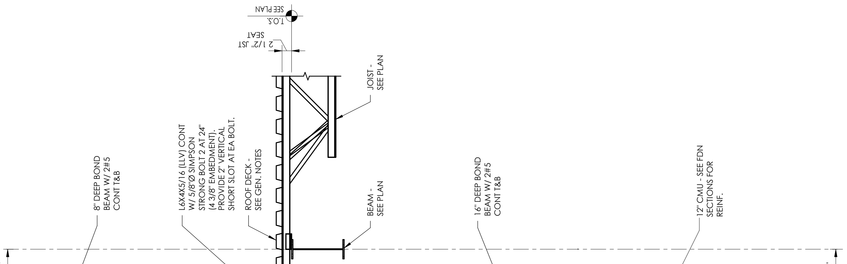
6 SECTION S3.23 3/4" = 1'-0"



1 SECTION S3.23 3/4" = 1'-0"

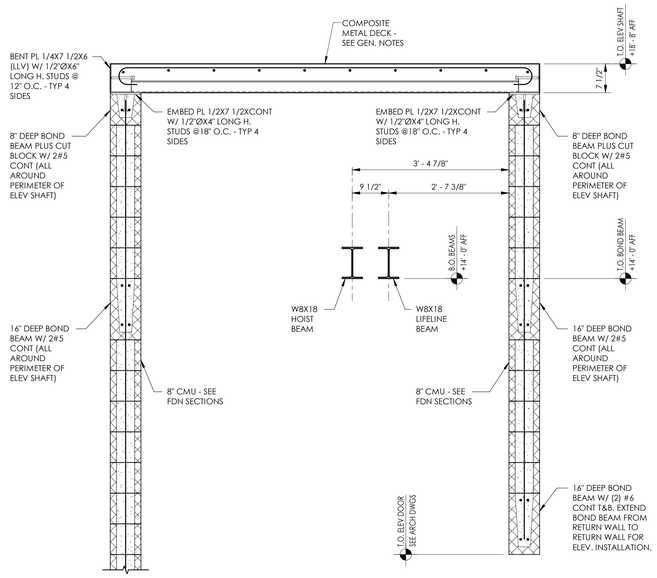
2 SECTION S3.23 3/4" = 1'-0"

5 SECTION S3.23 3/4" = 1'-0"

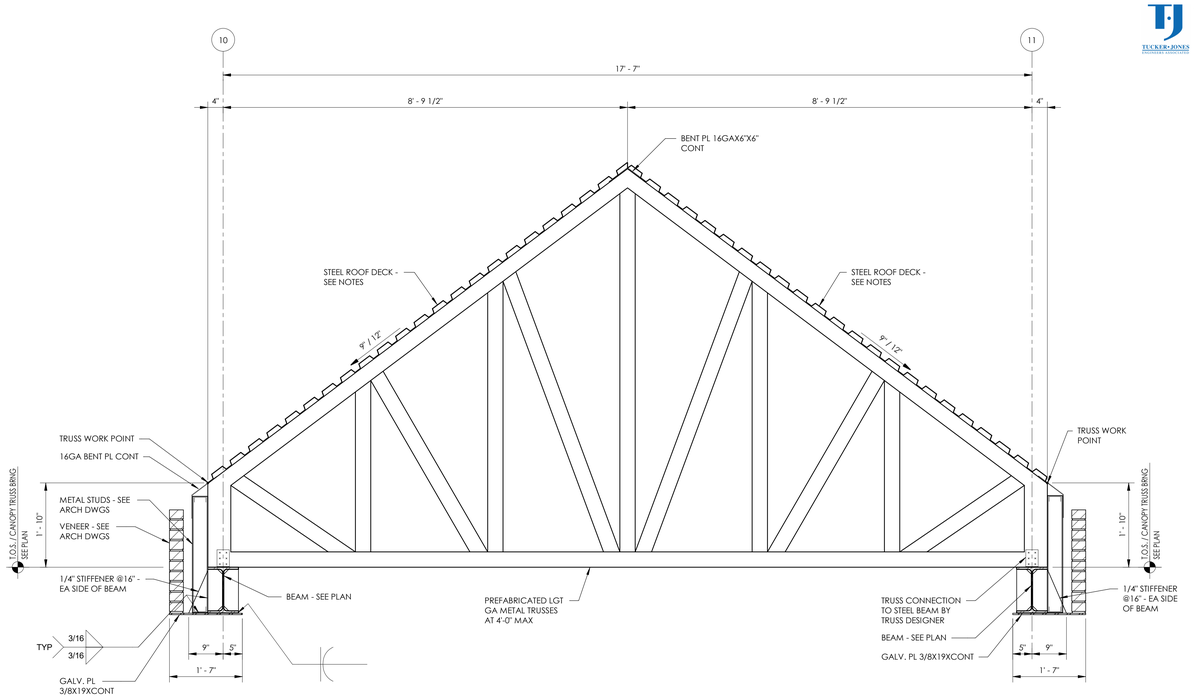


4 SECTION S3.23 3/4" = 1'-0"

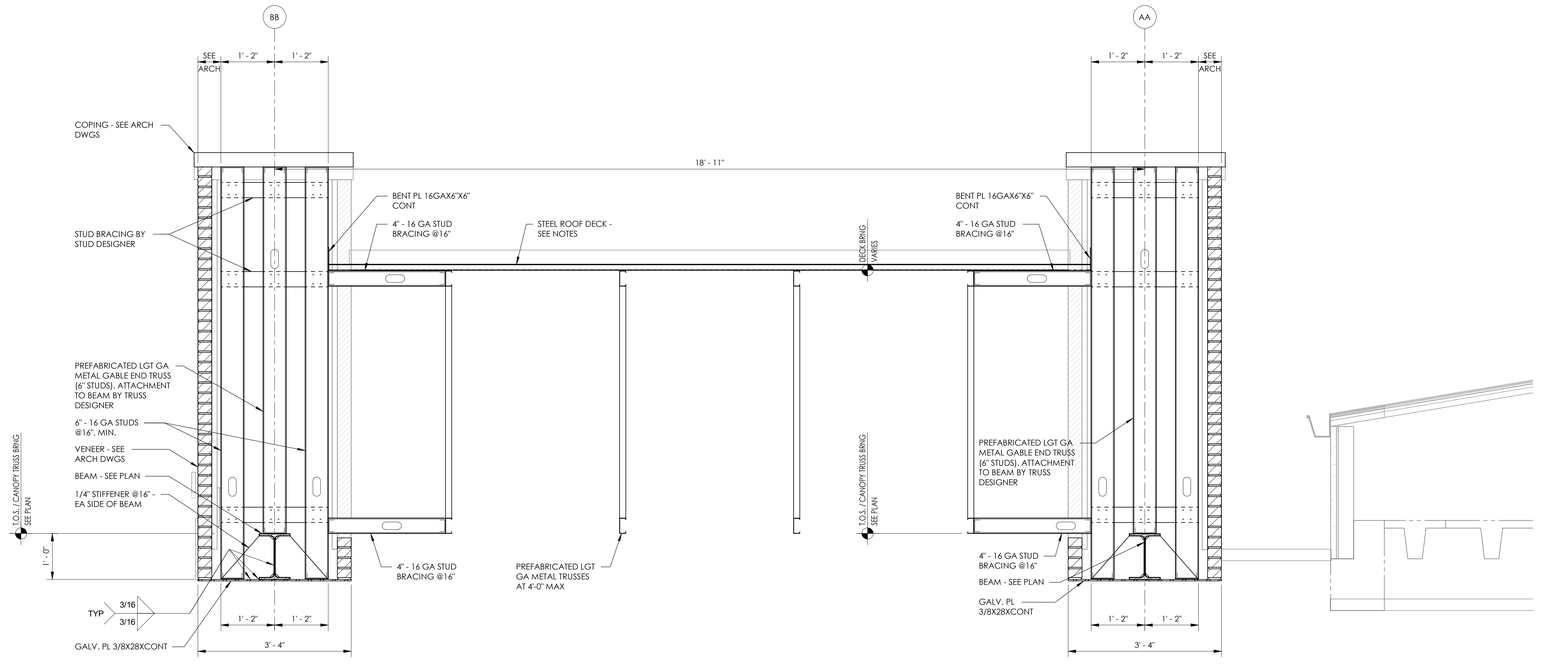
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1 S3.24 SECTION
3/4" = 1'-0"



2 S3.24 SECTION
3/4" = 1'-0"



3 S3.24 SECTION
3/4" = 1'-0"

TUCKER-JONES
3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5606
PROJECT #25105

GMC

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

ISSUE | DATE
ISSUED FOR BID | 2026.11.06

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

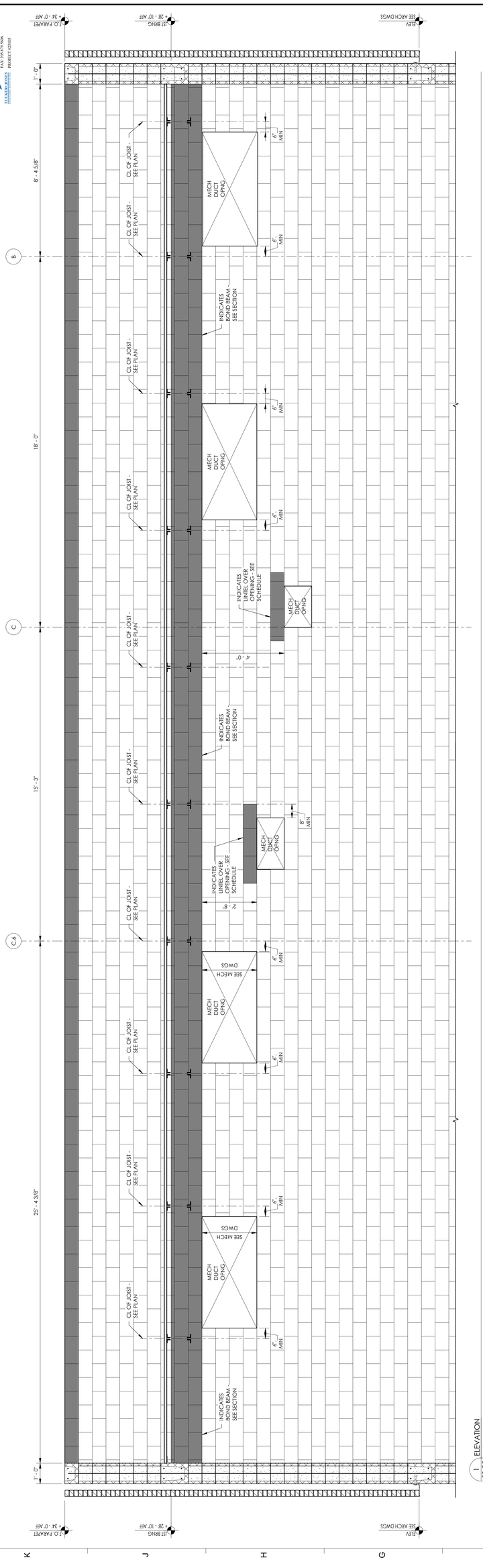
ALABAMA REGISTERED PROFESSIONAL No. 31714 CHRISTOPHER S. SHEPHERD
11/06/2026

SECTIONS

S3.24

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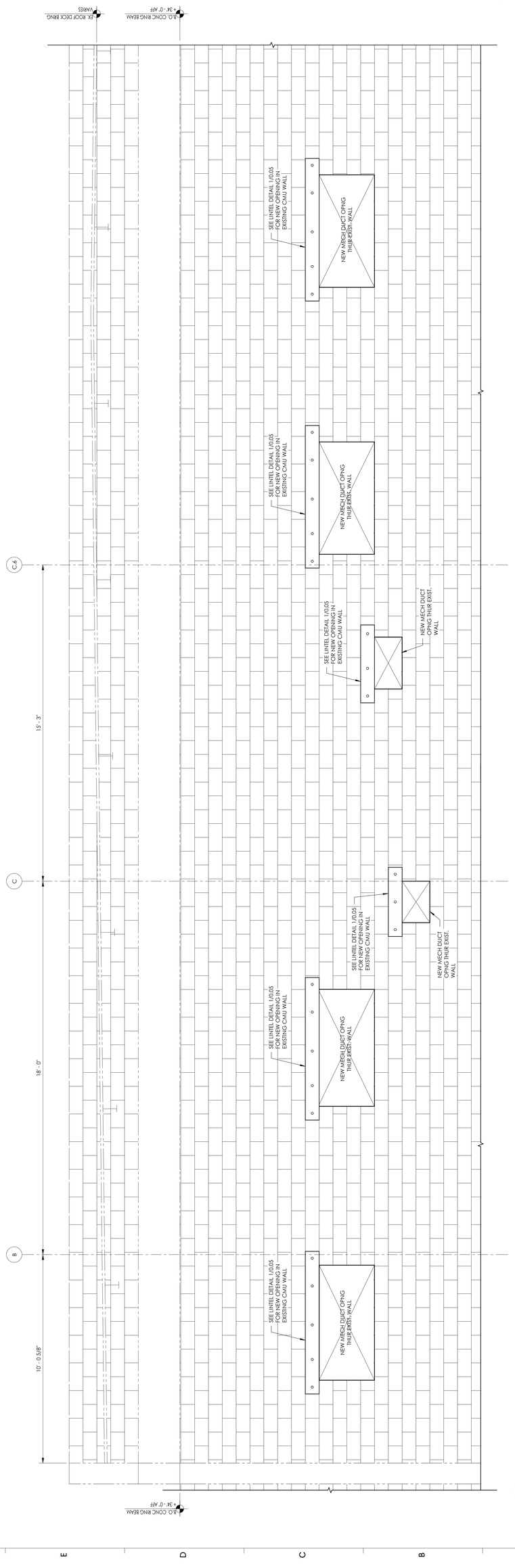
3100 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5666
FAX: 205.879.5666
TECHNO-PRESS
PROJECT # 25165



1 ELEVATION
S3.25 1/2" = 1'-0"

DUCT OPENING THRU NEW CMU WALL NOTES:

1. DUCT OPENING PENETRATIONS THROUGH CMU WALL SHALL BE BELOW THE JOIST BEARING BOND BEAM. SEE SECTIONS FOR BOTTOM OF BOND BEAM ELEVATION.
2. JOISTS SHALL BE CUT TO ACCOMMODATE DUCT OPENING LOCATIONS AND PROVIDE CLEAR DIMENSION INDICATED IN ELEVATION.
3. SEE SECTIONS AND LINTEL SCHEDULE FOR LINTEL DEPTH AND REINFORCING.



2 ELEVATION
S3.25 1/2" = 1'-0"

DUCT OPENING THRU EXISTING CMU WALL NOTES:

1. DUCT OPENING PENERATIONS THRU THE EXISTING CMU WALL SHALL BE THE SAME SIZE AND ALIGNED WITH THE DUCT OPENINGS SHOWN IN ELEVATION 2/S3.25.
2. PROVIDE LINTEL DETAIL 1/0.05 FOR EACH NEW OPENING THRU THE CMU EXISTING CMU WALL.

ELEVATIONS

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051



S3.25

ISSUE	DATE
ISSUED FOR BID	2026.11.06

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

GMC

11/3/2026 3:49:29 PM

3100 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
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TECHNI-STRUCTURES
PROJECT # 25165

FRAMING ELEVATIONS

S4.01

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR
ENTERPRISE, AL 36330

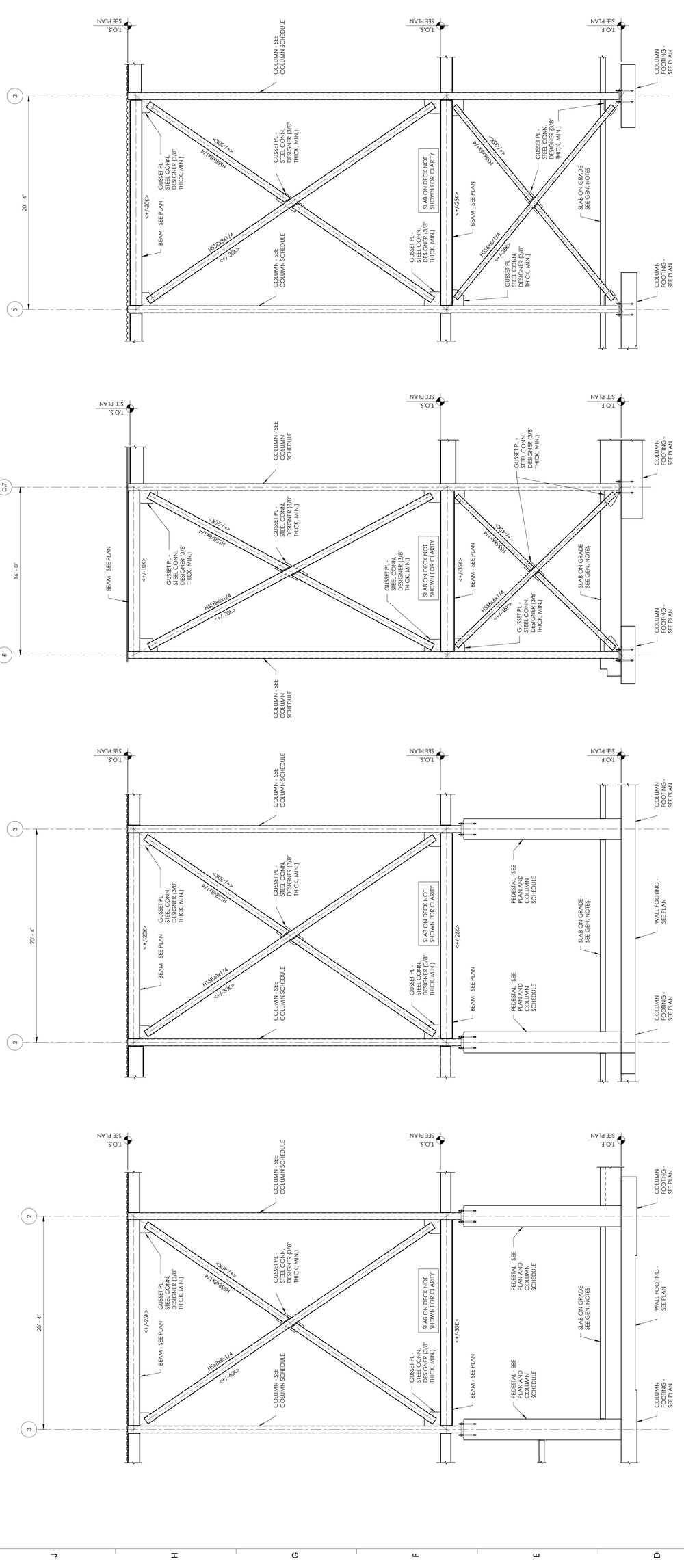
ACCS 2025 130 ESCC
GMC ABHM250051



ISSUE	DATE
ISSUED FOR BID	2026.11.06

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2400 5th Avenue South, Suite 200
Birmingham, AL 35233
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GMC



3 S4.01 ELEVATION 1/4" = 1'-0"

BRACING NOTES:
1. ALL BRACING AND BEAM CONNECTIONS SHALL BE DESIGNED BY THE STRUCTURAL STEEL FABRICATOR'S ENGINEER. CONNECTION CALCULATIONS SHALL BE PERFORMED, SEALED, AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
2. CONNECTIONS SHALL BE DESIGNED TO MEET THE SCHEDULED MEMBERS FORCES.
3. PROVIDE 1/4" CLOSURE PLATES AT THE END OF ALL HSS BRACES.
4. WORKING POINTS FOR BRACING ARE AT THE CENTERLINE OF THE MEMBERS UNLESS NOTED OTHERWISE. ALL CONNECTIONS SHALL BE DESIGNED FOR ECCENTRICITY FROM WORKING POINT.

2 S4.01 ELEVATION 1/4" = 1'-0"

BRACING NOTES:
1. ALL BRACING AND BEAM CONNECTIONS SHALL BE DESIGNED BY THE STRUCTURAL STEEL FABRICATOR'S ENGINEER. CONNECTION CALCULATIONS SHALL BE PERFORMED, SEALED, AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
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1 S4.01 ELEVATION 1/4" = 1'-0"

BRACING NOTES:
1. ALL BRACING AND BEAM CONNECTIONS SHALL BE DESIGNED BY THE STRUCTURAL STEEL FABRICATOR'S ENGINEER. CONNECTION CALCULATIONS SHALL BE PERFORMED, SEALED, AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
2. CONNECTIONS SHALL BE DESIGNED TO MEET THE SCHEDULED MEMBERS FORCES.
3. PROVIDE 1/4" CLOSURE PLATES AT THE END OF ALL HSS BRACES.
4. WORKING POINTS FOR BRACING ARE AT THE CENTERLINE OF THE MEMBERS UNLESS NOTED OTHERWISE. ALL CONNECTIONS SHALL BE DESIGNED FOR ECCENTRICITY FROM WORKING POINT.

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HVAC DUCTWORK LEGEND

- NEW DUCTWORK
- CEILING RETURN GRILLE 24X24 CUBE CORE
- LOUVERED FACE CEILING DIFFUSER
- CEILING RETURN OR EXHAUST, REGISTER OR GRILLE
- LAY-IN LOUVERED FACE CEILING DIFFUSER
- SR — SIDEWALL SUPPLY REGISTER
- SUPPLY AIR DUCT SECTION
- RETURN OR EXHAUST AIR DUCT SECTION
- ROUND 90° ELBOW
- ROUND, 45° ELBOW
- RECTANGULAR, 90° ELBOW WITH TURNING VANES
- RECTANGULAR, 45° ELBOW
- DUCT TURNING DOWN
- DUCT TURNING UP
- RISE OR DROP IN DUCT
- FD — FIRE DAMPER (RATING EQUAL TO WALL RATING) (PROVIDE ACCESS DOOR IN DUCT) (RUSKIN DIBD2 OR EQUAL)
- SFD — COMBINATION SMOKE/FIRE DAMPER (PROVIDE ACCESS DOOR IN DUCT)
- SD — SMOKE DAMPER (RUSKIN SD50 OR EQUAL)
- MD — MANUAL DAMPER (RECT. = RUSKIN MD25 OR EQUAL, RND. = RUSKIN MDRS25 OR EQUAL)
- AD — AUTOMATIC DAMPER (RUSKIN CD50 OR EQUAL)
- MD — RECTANGULAR BRANCH OFF RECTANGULAR DUCT WITH MANUAL DAMPER
- ROUND MEDIUM PRESSURE DUCT TAP OFF RECTANGULAR MEDIUM PRESSURE DUCT WITH BELLMOUTH FITTING. (SEE SPECIFICATIONS)
- FLEXIBLE DUCT

HVAC PIPING LEGEND

- NEW PIPING
- CH — CHILLED WATER SUPPLY LINES
- CHR — CHILLED WATER RETURN LINES
- CW — CONDENSER WATER SUPPLY
- CWR — CONDENSER WATER RETURN
- D — AC UNIT DRAIN LINES
- HW — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- RS — REFRIGERANT SUCTION LINES
- RL — REFRIGERANT LIQUID LINES
- NPW — NON-POTABLE WATER LINES
- GRADE DOWN IN DIRECTION OF ARROW, 1" IN 20 FT.
- BALL VALVE
- BUTTERFLY VALVE
- GATE VALVE
- STRAINER (Y)
- BRANCH OFF TOP OF MAIN
- BRANCH OFF BOTTOM OF MAIN
- PRESSURE REDUCING STATION
- FLANGED UNION
- SCREWED UNION
- CHECK VALVE
- PRESSURE RELIEF VALVE
- HOSE BIBB
- RISE OR DROP IN PIPE
- BRANCH OFF SIDE OF MAIN
- WATER FLOW METERING DEVICE
- 3/4" GATE VALVE WITH ADAPTER TO 3/4" HOSE BIBB
- 3/4" BALL VALVE WITH ADAPTER TO 3/4" HOSE BIBB
- 9" THERMOMETER (0°-100°F CHW) (40°-240°F HW) (30°-130°F CW)
- 4-1/2" PRESSURE GAUGE (0-100 PSI)
- OR — BUTTERFLY VALVE
- OR — AUTO. BUTTERFLY VALVE
- TRIPLE DUTY VALVE
- CALIBRATED BALANCING VALVE
- AAV OR — AAV - AUTO. AIR VENT (MARKED OR SHOWN)
- FLEX. CONNECTION
- PETES PLUG
- SUCTION DIFFUSER WITH STRAINER

AIR DEVICE LEGEND

MARK	DESCRIPTION	(X)	MODEL #
LD(X)	LOUVER FACE 24"X24" LAY-IN CEILING DIFFUSER. 4-WAY THROW UNLESS NOTED OTHERWISE. CFM SHOWN.	SQUARE NECK SIZE NECK SIZE / ROUND RUNOUT 6 X 6 / 6"ø 9 X 9 / 8"ø 12 X 12 / 10"ø 15 X 15 / 12"ø 18 X 18 / 14"ø	TITUS TDC-AA
SD(X)	SAME AS LD, SURFACE MOUNTED.	SQUARE NECK SIZE	TITUS TDC-AA
SR	SIDE WALL SUPPLY REGISTER, SIZE AND CFM SHOWN.	--	TITUS 272
E(X)	CEILING EXHAUST GRILLE. 1/2" X 1/2" X 1/2" ALUMINUM CORE	SQUARE NECK SIZE	TITUS 50F
T(X)	CEILING TRANSFER GRILLE. 1/2" X 1/2" X 1/2" ALUMINUM CORE	SQUARE NECK SIZE	TITUS 50F
R(X)	CEILING RETURN GRILLE. 1/2" X 1/2" X 1/2" ALUMINUM CORE	SQUARE NECK SIZE	TITUS 50F
CBD	CURVED BLADE DIFFUSER. SIZE AND CFM SHOWN.	--	TITUS 250-AA
LSD(X)	LINEAR SLOT CEILING SUPPLY DIFFUSER, 4'-0" LONG UNLESS NOTED OTHERWISE	NUMBER OF 3/4" SLOTS	TITUS ML
LSR(X)	LINEAR SLOT CEILING RETURN DIFFUSER, 4'-0" LONG UNLESS NOTED OTHERWISE	NUMBER OF 3/4" SLOTS	TITUS ML
WRR	WALL RETURN REGISTER, SIZE AND CFM SHOWN.	--	TITUS 350
WER	WALL EXHAUST REGISTER, SIZE AND CFM SHOWN.	--	TITUS 350
WTG	WALL TRANSFER GRILLE. SIZE AND CFM SHOWN.	--	TITUS 350
DL	DRUM LOUVER. SIZE AND CFM SHOWN.	--	--

GENERAL NOTES:

1. MECHANICAL DRAWINGS ARE DIAGRAMMATIC AND SUBJECT TO REQUIREMENTS OF ARCHITECTURAL DRAWINGS AND CONDITIONS EXISTING IN THE FIELD. MECHANICAL DRAWINGS INDICATE GENERALLY THE LOCATION OF COMPONENTS AND ARE NOT INTENDED TO SHOW ALL FITTINGS OR ALL DETAILS OF THE WORK TO BE PERFORMED.
2. FOLLOW THE DRAWINGS CLOSELY, COORDINATE DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND FIELD CONDITIONS. DO NOT SCALE MECHANICAL DRAWINGS FOR LOCATIONS OF SYSTEM COMPONENTS.
3. COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS.
4. MAKE NO CHANGES WITHOUT THE ARCHITECT'S WRITTEN PERMISSION. IN CASE OF DOUBT, OBTAIN ARCHITECT'S DECISION BEFORE PROCEEDING WITH WORK. FAILURE TO FOLLOW THIS INSTRUCTION SHALL MAKE THE CONTRACTOR LIABLE FOR DAMAGE TO OTHER WORK AND RESPONSIBLE FOR REMOVING AND REPAIRING DEFECTIVE OR MISLOCATED WORK IN PROPER MANNER.
5. DO NOT SCALE DRAWINGS TO LOCATE DIFFUSERS AND EQUIPMENT. COORDINATE WITH NEW AND EXISTING LIGHTING, ELECTRICAL CONDUIT, AND ALL EXISTING FIELD CONDITIONS.
6. VERIFY ALL EQUIPMENT VOLTAGES WITH ELECTRICAL DRAWINGS AND REPORT ANY INCONSISTENCIES TO THE ARCHITECT PRIOR TO ORDERING EQUIPMENT.
7. PROTECT MECHANICAL EQUIPMENT FROM DAMAGE DURING CONSTRUCTION. WHEN INSTALLATION IS COMPLETE, CLEAN EQUIPMENT AS REQUIRED.
8. INSTALL ALL EQUIPMENT TO PROVIDE NORMAL SERVICE ACCESS TO ALL COMPONENTS. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. IF MANUFACTURER'S INSTRUCTIONS CONFLICT WITH CONTRACT DOCUMENTS, OBTAIN ARCHITECT'S DECISION BEFORE PROCEEDING.
9. FURNISH ACCESS DOORS FOR VALVES, FIRE DAMPERS, DAMPERS, CONTROLS, AIR VENTS, TRAP CLEAN OUTS, AND OTHER ITEMS LOCATED ABOVE NON-LIFTOUT CEILINGS OR BEHIND PARTITIONS OR WALLS. PROVIDE FIRE DAMPERS IN DUCTWORK, GRILLES, AND REGISTERS WITH FIRE RATING EQUAL TO RATING OF WALL OR CEILING. ALL FIRE DAMPERS MAY OR MAY NOT BE SHOWN ON MECHANICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL FIRE RATED WALL AND CEILING LOCATIONS AND RATINGS WITH ARCHITECTURAL DRAWINGS.
10. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES AND STANDARDS (SEE SPECIFICATIONS).

EXHAUST FANS

MARK	SERVES	TYPE	CFM	E.S.P. (IN. WG)	MIN. WHEEL SIZE (IN.)	MOTOR HP	MOTOR V/Φ/Hz	ACCESSORIES	INTERLOCK W/	DESIGN BASIS LOREN COOK
EF-1	RR - R103	H	50	0.5	7.63	29.8W	120/1/60	6	LIGHT SWITCH	GC-146
EF-2	SR - SR101	H	140	0.5	7.63	29.8W	120/1/60	6	LIGHT SWITCH	GC-186
EF-3	TICKET/CONCESSION - 105	H	250	0.5	6.313	91.1W	120/1/60	6	LIGHT SWITCH	GC-542
EF-4	MENS TOILET - R101	H	300	0.5	6.313	106W	120/1/60	6	LIGHT SWITCH	GC-542
EF-5	ROOM #'S C100-1, C100-5, C101, 110, 116, 118, 120, 124, R106, R122	F	3,000	1.0	16.5	2	460/3/60	4	AHU-2	SQN-D 165
EF-6	RR - MZ110	H	100	0.5	7.63	42.8W	120/1/60	6	LIGHT SWITCH	GC-148

FAN TYPES:

- A CENTRIFUGAL ROOF EXHAUSTER DIRECT DRIVE
- B CENTRIFUGAL ROOF EXHAUSTER BELT DRIVE
- C PROPELLER EXHAUST FAN DIRECT DRIVE
- D PROPELLER EXHAUST FAN BELT DRIVE
- E CENTRIFUGAL VENT SET, BELT DRIVE
- F IN-LINE CENTRIFUGAL DIRECT DRIVE
- G IN-LINE CENTRIFUGAL BELT DRIVE
- H CENTRIFUGAL CEILING EXHAUST FAN

FAN ACCESSORIES:

1. BIRDSCREEN, ROOF CURB (MINIMUM 8" ABOVE INSULATION), BACKDRAFT DAMPER, DISCONNECT SWITCH.
2. MOTOR SIDE GUARD, GRAVITY SHUTTER.
3. SPRING ISOLATORS, TWO SPEED (1800/900 RPM) MOTOR, QUICK OPENING ACCESS DOOR DRAIN, GRAVITY DISCHARGE SHUTTER, MOTOR AND DRIVE WEATHER HOOD.
4. FLEXIBLE CONNECTORS, RUBBER-IN-SHEAR ISOLATORS, SOLID STATE SPEED CONTROL, DISCONNECT SWITCH, AND BACKDRAFT DAMPER.
5. FLEXIBLE CONNECTORS, SPRING ISOLATORS, DISCONNECT SWITCH, AND BACKDRAFT DAMPER.
6. REMOVABLE ALUMINUM CEILING GRILLE, BACKDRAFT DAMPER, SPEED CONTROLLER, RUBBER-IN-SHEAR ISLOATORS, DISCONNECT SWITCH.

AIR-COOLED CHILLER

MARK	MIN. FULL LOAD EER	MIN. EER IPLV	REFRIGERANT	NOMINAL TONS	GPM	CHILLED WATER ENT °F	CHILLED WATER LVG °F	MAX. ΔP (FEET)	FOULING FACTOR	AMBIENT AIR (°F)	ELECTRICAL INFORMATION - SINGLE POINT CONNECTION V/Φ/Hz	MCA	MOP	MIN. FAULT RATING	OPERATING WEIGHT	BASIS OF DESIGN
CH-1	10.28	19.43	R-454B	160.4	240.1	56.0	44.0	15	0.00010	95	460/3/60	366.1	500.5	65,000 AIC	20,000	TRANE ACR-165
CH-2	10.28	19.43	R-454B	160.4	240.1	56.0	44.0	15	0.00010	95	460/3/60	366.1	500.5	65,000 AIC	20,000	TRANE ACR-165

CHILLER NOTES/ACCESSORIES:

1. U.L. LISTED, ASHRAE 90.1 COMPLIANT, BAS INTERFACE, DUAL INDEPENDENT REFRIGERANT CIRCUITS, SINGLE POINT POWER CONNECTION, CONDENSER COIL PANELS, GRILLES AND END SCREENS, STARTER, FLOW SWITCH, FREEZE PROTECTION PACKAGE, SUCTION LINE INSULATION, SUCTION SERVICE VALVES, NON-FUSED DISCONNECT, SERVICE OPTION, ULTRA LOW SOUND OPTION, MINIMUM LOAD CONTROL, HIGH EFFICIENCY VARIABLE SPEED CONDENSER FANS, 115V CONVENIENCE OUTLET.
2. COORDINATE WITH ELECTRICAL ON ALL POWER AND WIRING REQUIREMENTS PRIOR TO ORDER.
3. FULL BUILDING AUTOMATION SYSTEM INTERFACE. COORDINATE REQUIRED INTERFACE PROTOCOL WITH CONTROLS VENDOR PRIOR TO ORDER. PROVIDE HARD WIRED ALARM POINTS.
4. PROVIDE 5 YEAR PARTS, LABOR AND REFRIGERANT WARRANTY ON COMPLETE UNIT.
5. PROVIDE LOW AMBIENT ACCESSORY KIT.
6. CAPACITIES BASED ON A MIXTURE OF WATER WITH 30% (BY Wt) ETHYLENE GLYCOL AS THE CHILLED FLUID BEING UTILIZED.
7. CHILLER INCLUDE DUAL PUMP HIGH PRESSURE WITH VFD. EACH MOTOR @ 25 HP, FLA @ 34 AMPS, AVAILABLE HEAD = 128 FEET, NPSHr = 13.7 FEET.
8. CHILLER TO HAVE TOTAL DIRECT FREE-COOLING.

BOILERS

MARK	TYPE	KW	OUTPUT (MBH)	GPM	E.W.T. (°F)	L.W.T. (°F)	MAX. ΔP (FT.)	ELECTRICAL V/Φ	ELECTRICAL FLA	ELECTRICAL MCA	ACCESSORIES	BASIS OF DESIGN FULTON BOILERS
B-1	ELECTRIC HOT WATER	221	754.6	78.6	160	180	5	460/3	290	363	1 2	ENDURA ZE - EZE-240
B-2	ELECTRIC HOT WATER	221	754.6	78.6	160	180	5	460/3	290	363	1 2	ENDURA ZE - EZE-240

NOTES:

- A SCCR RATING: 10,000 AMPS
- B PROVIDE 30% BY VOLUME ETHYLENE GYLCOL

ACCESSORIES:

- 1 LOW WATER CUT-OFF
- 2 FLOW SWITCH

BUFFER TANK

BT-1	ASME CONSTRUCTED BUFFER TANK, 700 GALLONS, 125 PSIG WORKING PRESSURE AT 240°F, AIR ELIMINATOR WITH AUTOMATIC VENT, 2" FOAM INSULATION WITH ALUMINUM JACKET, FIVE YEAR WARRANTY, FACTORY INSTALLED 2"ø BLOWDOWN VALVE, HAND HOLE FOR ACCESS, 6"ø FLANGED INLET AND OUTLET CONNECTIONS - 1 SET (TOTAL 2) NEAR BOTTOM, LIFTING LUGS, AND BASE RING WITH ANCHORS. AMERICAN WHEATLEY, TACO, OR APPROVED EQUAL.

PUMPS

MARK	TYPE	SYSTEM	GPM	HEAD (FT)	MOTOR HP	MOTOR V/Φ	RPM	ACCESSORIES	BASIS OF DESIGN
HWP-1	A	PRIMARY HOT WATER	157.2	50	5	460/3	1800	1 2	PATTERSON E2DA9A-1
HWP-2	A	SECONDARY HOT WATER	157.2	50	5	460/3	1800	1 2	PATTERSON E2DA9A-1
SCHP-1	A	SECONDARY CHILLED WATER	480.2	55	10	460/3	1800	1 2	PATTERSON E3J9A-1
SCHP-2	A	SECONDARY CHILLED WATER	480.2	55	10	460/3	1800	1 2	PATTERSON E3J9A-1

PUMP TYPES:

- A BASE-MOUNTED END SUCTION

ACCESSORIES:

- 1 VARIABLE FREQUENCY DRIVE W/ INVERTER DUTY RATED MOTOR
- 2 ALL PUMPS TO HAVE INERTIA BASE

AIR SEPARATOR

MARK	SYSTEM	PIPE CONNECTION	GPM	DESIGN BASIS BELL & GOSSETT
AS-1	CHILLED WATER	6"	480.2	ROLAIRTROL RL-6F
AS-2	HOT WATER	4"	157.2	ROLAIRTROL RL-4F

EXPANSION TANK

MARK	QTY.	VOLUME	ACCEPTANCE	BASIS OF DESIGN AMTROL
ET-1	1	22.9	17.6	AX-80

SPLIT SYSTEM INDOOR UNIT

MARK	UNIT CONFIGURATION	SUPPLY FAN CFM	SUPPLY FAN "W.G. EXT. S.P.	SUPPLY FAN MIN. OSA CFM	SUPPLY FAN BHP	COOLING COIL SENSIBLE MBH	COOLING COIL TOTAL MBH	COOLING COIL AIR ENT. °FDB	COOLING COIL AIR ENT. °FWB	ELECTRICAL V/Φ/Hz	ELECTRICAL MCA	ELECTRICAL MOP	NOMINAL TONS	DESIGN BASIS TRANE
AC-1	VERTICAL	3,000	2.0	560	1.945	82.7	111.2	78.8	65.4	460/3/60	8.72	15	10.0	UCCA SIZE 8
AC-2	VERTICAL	5,000	2.0	1,000	3.254	128.2	168.3	79	65.6	460/3/60	13.01	20	15.0	UCCA SIZE 10

NOTES:

1) EQUAL UNITS ACCEPTED BY CARRIER.
2) PROVIDE MANUFACTURER'S 7-DAY FULLY PROGRMMABLE THERMOSTAT.
3) UNITS SHALL BE MOUNTED IN A HORIZONTAL ORIENTATION.
4) PROVIDE SUPPLY DUCT MOUNTED SMOKE DETECTOR
5) HEATER WITH SINGLE CIRCUIT POWER SOURCE KIT.
6) 2" MERV 13 FILTERS

SPLIT SYSTEM OUTDOOR UNIT

MARK	SERVES	ELECTRICAL V/Φ/Hz	ELECTRICAL MCA	ELECTRICAL MOP	NOMINAL TONS	DESIGN BASIS TRANE
CU-1	AC-1	460/3/60	21	25	10.0	TWA120K4DAA
CU-2	AC-2	460/3/60	33	40	15.0	TTA180K4DAA

GENERAL NOTES

1. CONTRACTOR TO COORDINATE/VERIFY ELECTRICAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER AND FIELD CONDITIONS PRIOR TO ORDERING.
2. REFRIGERANT: R-454B
3. UL LISTED

ACCESSORIES

1. PHASE PROTECTION
2. MICROPROCESSOR CONTROLS
3. ISOLATION VALVES
4. LIQUID LINE REFRIGERANT DRIER
5. ANTI-SHORT CYCLE TIMER
6. CRANKCASE HEATERS
7. HIGH/LOW PRESSURE CONTROL
8. LOW AMBIENT COOLING TO 10°F
9. FROSTSTAT
10. THERMAL EXPANSION VALVE
11. HAIL/VANDAL GUARDS
12. VIBRATION ISOLATORS
13. SIGHT GLASS WITH MOISTURE INDICATOR
14. HOT GAS BYPASS

INDOOR AC UNITS - MINI-SPLIT SYSTEM

MARK	AREA SERVED	TYPE	CONNECTED OUTDOOR UNIT	MAX. CFM	CAPACITY (MBH) TOTAL COOLING	CAPACITY (MBH) TOTAL HEATING	ELECTRICAL V/Φ/Hz	ELECTRICAL MCA	ELECTRICAL MOCP	ACCESSORIES	DESIGN BASIS MODEL
AC-ELEC-1	MECHANICAL - M107	A	CU-ELEC-1	775	24.0	0.0	208/1/60	1.0	15	1 2	MITSUBISHI PKA-AK24NL
AC-DATA	DATA - 112	A	CU-DATA	775	24.0	0.0	208/1/60	1.0	15	1 2	MITSUBISHI PKA-AK24NL
AC-ELEC-2	ELEC - 107	A	CU-ELEC-2	775	24.0	0.0	208/1/60	1.0	15	1 2	MITSUBISHI PKA-AK24NL
AC-SR109	STORAGE - SR109	A	CU-ELEC-2	775	24.0	0.0	208/1/60	1.0	15	1 2	MITSUBISHI PKA-AK24NL

AC UNIT TYPES

- A WALL MOUNTED

ACCESSORIES

- 1 WIRED WALL MOUNTED CONTROLLER/SENSOR
- 2 MITSUBISHI REFRIGERANT LEAKAGE SENSOR, R-454B MODEL: MAC-100RS-E

NOTES (APPLIES TO ALL UNITS)

1. COOLING CAPACITY CALCULATED BASED ON 95.0°F DB/78.0°F WB OUTSIDE AIR.
2. HEATING CAPACITY CALCULATED BASED ON 47°F DB OUTSIDE AIR.
3. REFRIGERANT: R-454B
4. PROVIDE WALL MOUNTED DELUXE WIRED MA REMOTE CONTROLLER OR REMOTE SENSOR WITH COMMUNICATION WIRING AS SHOWN.
5. PROVIDE POWER CONNECTION AT EACH INDOOR UNIT.
6. PROVIDE INTERNAL FACTORY BUILT-IN CONDENSATE LIFT MECHANISM.
7. ALL UNITS SHALL FULLY INTEGRATE TO CENTRAL CONTROLLER AND BUILDING DDC CONTROLS SYSTEM.
8. PROVIDE AND INSTALL ALL MOUNTING BRACKETS, SUSPENSION BRACKETS, BOLTS, RODS, WASHERS AND NUTS AS REQUIRED FOR COMPLETE INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS.
9. INSTALL UNITS WITH ALL MINIMUM REQUIRED AND ALL RECOMMENDED CLEARANCES FOR OPERATION.
10. ALL CONDENSATE DRIAN PIPING SHALL BE STANDARD WEIGHT GALVANIZED OR TYPE L COPPER PIPE BEGINNING AT UNIT PAN CONNECTION TO POINT OF DISCHARGE. NO RUBBER OR PLASTIC PIPE ALLOWED. SEE SPECIFICATIONS SECTION 23 1000, 2.1 HVAC DRAIN PIPING. PROVIDE SEPARATION POINTS (UNIONS) AS REQUIRED FOR DRAIN CLEANING AND MAINTENANCE.

OUTDOOR CONDENSING UNITS - MINI-SPLIT SYSTEM

MARK	UNIT TYPE	MIN. EER2	MIN. SEER2	MIN. AHRI COP	TOTAL CAPACITY (MBH) TOTAL COOLING	TOTAL CAPACITY (MBH) TOTAL HEATING	ELECTRICAL V/Φ/Hz	ELECTRICAL MCA	ELECTRICAL MOCP	DESIGN BASIS MODEL
CU-ELEC-1	COOLING ONLY	12.0	21.1	N/A	27.0	0.0	208/1/60	22	37	MITSUBISHI PUY-AH24NL
CU-DATA	COOLING ONLY	12.0	21.1	N/A	27.0	0.0	208/1/60	22	37	MITSUBISHI PUY-AH24NL
CU-ELEC-2	COOLING ONLY	12.0	21.1	N/A	27.0	0.0	208/1/60	22	37	MITSUBISHI PUY-AH24NL
CU-SR109	COOLING ONLY	12.0	21.1	N/A	27.0	0.0	208/1/60	22	37	MITSUBISHI PUY-AH24NL

NOTES (APPLIES TO ALL UNITS)

1. COOLING CAPACITY CALCULATED BASED ON 95.0°Fdb/78.0°Fwb OUTSIDE AIR.
2. HEATING CAPACITY CALCULATED BASED ON 47°Fdb OUTSIDE AIR.
3. REFRIGERANT: R-454B
4. PROVIDE POWER CONNECTION AT EACH OUTDOOR UNIT.
5. PROVIDE CONDENSER HAIL GUARD.
6. PROVIDE LOW AMBIENT CONTROLS TO 0°F.
7. SYSTEM SHALL INCLUDE ONE BUILDING MASTER CONTROLLER. PROVIDE AND INSTALL TE-200A AND AE-50 WITH BACNET GATEWAY FOR FULL INTEGRATION WITH BUILDING AUTOMATION SYSTEM AND REMOTE INTERNET ACCESS CONTROL. PROVIDE LICENSES AS REQUIRED.
8. ALL UNITS SHALL FULLY INTEGRATE TO CENTRAL CONTROLLER AND BUILDING DDC CONTROLS SYSTEM.
9. ALL UNIT ADDRESSES SHALL BE LABELED AND MARKED AND IDENTIFIED WITH ROOM NAMES/NUMBERS.
10. SHALL COMPLY WITH 2015 INTERNATIONAL ENERGY CONSERVATION CODE AND ASHRAE 90.1.
11. INSTALL UNITS WITH ALL MINIMUM REQUIRED AND ALL RECOMMENDED CLEARANCES FOR OPERATION.

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HVAC SCHEDULES, NOTES, AND LEGENDS

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AIR HANDLING UNITS

MARK	TYPE	LOCATION	SUPPLY FAN					PREHEAT COIL						COOLING COIL									REHEAT COIL						MCA CIRCUIT #1	MOCP CIRCUIT #1	MCA CIRCUIT #2	MOCP CIRCUIT #2	DESIGN BASIS
			CFM	IN W.G. E.S.P.	MIN. WHEEL DIA. – TYPE	MIN. OSA CFM	MOTOR HP	MOTOR V/Φ/Hz	CFM	MBH	AIR ENT °F	AIR LVG °F	MAX. FACE VEL. (FPM)	GPM @ 180°F	CFM	SENS. MBH	TOTAL MBH	AIR ENT. °FDB	AIR ENT. °FWB	AIR LVG. °FDB	AIR LVG. °FWB	GPM	EWT(F)	MAX. F.V. FPM	CFM	MBH	AIR ENT °F	AIR LVG °F	MAX. FACE VEL. (FPM)	GPM @ 180°F					
AHU–1	A	LOWER LEVEL	10,000	2.0"	DIRECT DRIVE PLENUM	1,300	(2)–5	460/3/60	5,000	54.0	63.5	73.5	500	5.7	10,000	239.4	319.1	77.6	64.6	55.0	54.0	55.4	44	500	5,000	125.3	55	78.3	500	13.1	18.8	30.0	10.0	15.0	TRANE CSAA SIZE 21
AHU–2	A	LOWER LEVEL	3,200	2.0"	DIRECT DRIVE PLENUM	3,200	(2)–3	460/3/60	3,200	69.2	20.0	40.0	500	7.3	3,200	223.2	297.6	95.0	78.0	52.0	51.0	51.7	44	500	3,055	66.0	52	72	500	6.9	12.15	20.0	10.0	15.0	TRANE CSAA SIZE 10
AHU–3	A	MAIN LEVEL	17,000	2.0"	DIRECT DRIVE PLENUM	2,410	(2)–10	460/3/60	8,500	91.9	62.9	72.9	500	9.6	17,000	410.9	547.8	77.9	64.7	55.0	54.0	95.2	44	500	8,500	279.6	55	85.5	500	29.2	36.3	60.0	10.0	15.0	TRANE CSAA SIZE 40

TYPES:

(A) FACTORY FABRICATED, DOUBLE WALL, VARIABLE VOLUME, HORIZONTAL DRAW THROUGH WITH INTERNAL FAN ISOLATION.
(B) FACTORY FABRICATED, DOUBLE WALL, CONSTANT VOLUME, HORIZONTAL DRAW THROUGH WITH INTERNAL FAN ISOLATION.

FILTERS: (SEE SPECS.)

(A) 2" MERV 13 PRE–FILTERS

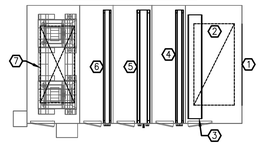
ACCESSORIES PROVIDED FOR ALL UNITS:

(1) VARIABLE SPEED DRIVE WITH INVERTER DUTY RATED MOTOR.
(2) INSULATED DOUBLE CONSTRUCTION DRAIN PANS WITH TYPE 304 STAINLESS STEEL INNER PAN.
(3) MIXING BOX WITH PARALLEL BLADE AUTOMATIC DAMPERS.
(4) MARINE LIGHTS IN ALL SECTIONS WIRED TO A SINGLE SWITCH WITH GFCI.
(5) MINIMUM 6" BASE RAIL.
(6) FACTORY INSTALLED BACKDRAFT DAMPERS.
(7) PULL PANELS ON COIL CONNECTION SIDE OF UNIT.
(8) FACTORY MOTOR WIRING CONDUIT.
(9) 2" R–13 FOAM INJECTED DOUBLE WALL UNIT CASING.
(10) LEAK TEST ALL COILS AT 600 PSI.
(11) FACTORY STARTUP.
(12) SINGLE METAL HANDLE GANGED LATCH DOORS.
(13) STAINLESS STEEL COIL CASINGS AND SUPPORTS.

NOTES:

(A) SCHEDULED SUPPLY FAN PRESSURE DROPS INCLUDE THE FOLLOWING AIR PRESSURE DROP IN "WG":
COOLING COIL: 1.0"
HEATING COIL: 0.25"
FILTER: 1.00" (CHANGEOUT)
(B) MAXIMUM COOLING COIL WATER PRESSURE DROP = 15 FT.
(C) MAXIMUM HEATING COIL WATER PRESSURE DROP = 10 FT.
(D) CIRCUIT #1: 460V/3ø/60Hz, CIRCUIT #2: 115V/1ø/60Hz
(E) CAPACITIES BASED ON A MIXTURE OF WATER WITH 30% (BY Wt) ETHYLENE GLYCOL AS THE CHILLED AND HOT FLUID BEING UTILIZED.
(F) MINIMUM CASING PRESSURE: +/– 8 IN W.C.
(G) MAXIMUM CASING DEFLECTION: L/240
(H) LEAKAGE RATE: ASHRAE 111 CLASS 6

AHU CONFIGURATION:



KEYED NOTES:

(1) SIDE OUTSIDE AIR INTAKE OPENING
(2) TOP RETURN INTAKE OPENING
(3) PROVIDE 2" MERV 13 PRE–FILTERS
(4) HOT WATER PREHEAT COIL
(5) CHILLED WATER COOLING COIL
(6) HOT WATER REHEAT COIL
(7) SUPPLY FAN WITH TOP DISCHARGE

ROOFTOP AIR CONDITIONING UNIT

MARK	TYPE	LOCATION	SUPPLY FAN					PREHEAT COIL					COOLING COIL										REHEAT COIL					MCA CIRCUIT #1	MOCP CIRCUIT #1	MCA CIRCUIT #2	MOCP CIRCUIT #2	DESIGN BASIS
			CFM	IN W.G. E.S.P.	MIN. WHEEL DIA. – TYPE	MIN. OSA CFM	MOTOR HP	MOTOR V/Φ/Hz	CFM	MBH	AIR ENT °F	MAX. FACE VEL. (FPM)	GPM @ 180°F	CFM	SENS. MBH	TOTAL MBH	AIR ENT. °FDB	AIR ENT. °FWB	AIR LVG. °FDB	AIR LVG. °FWB	GPM	EWT(F)	MAX. F.V. FPM	CFM	MBH	AIR ENT °F	MAX. FACE VEL. (FPM)	GPM @ 180°F					
RTU–1	A	ROOF	2,300	2.0"	DIRECT DRIVE PLENUM	360	3	460/3/60	2,300	24.9	62.2	500	2.6	2,300	57.4	76.5	78.2	65.0	55.0	54.0	13.3	44	500	---	---	---	---	---	7.3	15.0	10.0	15.0	TRANE CSAA SIZE 6
RTU–2	A	ROOF	23,150	2.0"	DIRECT DRIVE PLENUM	3,500	4 @ 7.5	460/3/60	11,575	125.1	62.4	500	13.1	23,150	571.2	761.6	78.1	64.9	55.0	54.0	132.3	44	500	11,575	271.1	55	500	28.3	51.3	90.0	10.0	15.0	TRANE PSCA SIZE 48
RTU–3	A	ROOF	23,150	2.0"	DIRECT DRIVE PLENUM	3,500	4 @ 7.5	460/3/60	11,575	125.1	62.4	500	13.1	23,150	571.2	761.6	78.1	64.9	55.0	54.0	132.3	44	500	11,575	271.1	55	500	28.3	51.3	90.0	10.0	15.0	TRANE PSCA SIZE 48

TYPES:

(A) FACTORY FABRICATED, DOUBLE WALL, VARIABLE VOLUME, HORIZONTAL DRAW THROUGH WITH INTERNAL FAN ISOLATION.
(B) FACTORY FABRICATED, DOUBLE WALL, CONSTANT VOLUME, HORIZONTAL DRAW THROUGH WITH INTERNAL FAN ISOLATION.

FILTERS: (SEE SPECS.)

(A) 2" MERV 13 PRE–FILTERS

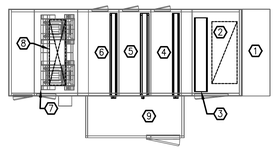
ACCESSORIES PROVIDED FOR ALL UNITS:

(1) VARIABLE SPEED DRIVE WITH INVERTER DUTY RATED MOTOR.
(2) INTERNAL UNIT SECTION FOR FACTORY MOUNTED VFD.
(3) INSULATED DOUBLE CONSTRUCTION DRAIN PANS WITH TYPE 304 STAINLESS STEEL INNER PAN.
(4) MIXING BOX WITH PARALLEL BLADE AUTOMATIC DAMPERS.
(5) MARINE LIGHTS IN ALL SECTIONS WIRED TO A SINGLE SWITCH WITH GFCI.
(6) MINIMUM 6" BASE RAIL.
(7) FACTORY INSTALLED BACKDRAFT DAMPERS.
(8) PULL PANELS ON COIL CONNECTION SIDE OF UNIT.
(9) FACTORY MOTOR WIRING CONDUIT.
(10) FACTORY PROVIDED PIPE CABINETS.
(11) 3" R–19 FOAM INJECTED DOUBLE WALL UNIT CASING.
(12) LEAK TEST ALL COILS AT 600 PSI.
(13) FACTORY STARTUP.
(14) SINGLE METAL HANDLE GANGED LATCH DOORS.
(15) OUTSIDE AIR HOOD.
(16) STAINLESS STEEL COIL CASINGS AND SUPPORTS.

NOTES:

(A) SCHEDULED SUPPLY FAN PRESSURE DROPS INCLUDE THE FOLLOWING AIR PRESSURE DROP IN "WG":
COOLING COIL: 1.0"
HEATING COIL: 0.25"
FILTER: 1.00" (CHANGEOUT)
(B) MAXIMUM COOLING COIL WATER PRESSURE DROP = 15 FT.
(C) MAXIMUM HEATING COIL WATER PRESSURE DROP = 10 FT.
(D) CIRCUIT #1: 460V/3ø/60Hz, CIRCUIT #2: 115V/1ø/60Hz
(E) CAPACITIES BASED ON A MIXTURE OF WATER WITH 30% (BY Wt) ETHYLENE GLYCOL AS THE CHILLED AND HOT FLUID BEING UTILIZED.
(F) MINIMUM CASING PRESSURE: +/– 8 IN W.C.
(G) MAXIMUM CASING DEFLECTION: L/240
(H) LEAKAGE RATE: ASHRAE 111 CLASS 6
(J) INTEGRATE PIPE CABINET WITH UNIT ROOF CURB

RTU CONFIGURATION:



KEYED NOTES:

(1) FRESH AIR DAMPER/LOUVER
(2) BOTTOM RETURN INTAKE OPENING
(3) PROVIDE 2" MERV 13 PRE–FILTERS
(4) HOT WATER PREHEAT COIL
(5) CHILLED WATER COOLING COIL
(6) HOT WATER REHEAT COIL
(7) SUPPLY FAN
(8) BOTTOM SUPPLY DISCHARGE
(9) EXTENDED DEPTH EXTERNAL PIPING CABINET

AIR TERMINAL BOXES (RTU-1)

MARK	TYPE	ROUND INLET (IN.)	CFM			COIL CAPACITY			ELECT. V/Φ/Hz
			MAX.	MIN.	HTG.	MBH	KW	STAGES	
VAVR–1–1	VVR	6	270	85	135	5.39	1.6	1	277/1/60
VAVR–1–2	VVR	6	390	120	195	7.76	2.3	1	277/1/60
VAVR–1–3	VVR	10	910	275	455	18.18	5.4	1	277/1/60
VAVR–1–4	VVR	6	430	130	215	8.59	2.6	1	277/1/60
VAVR–1–5	VVR	6	300	90	150	6.03	1.8	1	277/1/60

TYPES:

VV = VARIABLE VOLUME – NO COIL
VVR = VARIABLE VOLUME REHEAT – TURN DOWN TO MINIMUM
CVR = CONSTANT VOLUME REHEAT – TURN DOWN TO MINIMUM

NOTES:

(A) ENTERING AIR = 55°F.
(B) ALL BOXES STANDARD LINING UNLESS OTHERWISE NOTED.
(C) TERMINAL UNIT CONTROLLER TO BE ON SAME SIDE AS ELECTRICAL POWER & CONTROL CONNECTIONS.
(D) PROVIDE TRANSFORMER TO POWER DIGITAL CONTROLS AND HEATER DISCONNECTS AND SAFETIES.
(E) CONTROLS SHALL BE BY THE BAS MANUFACTURER.

AIR TERMINAL BOXES (CU-1/AC-1)

MARK	TYPE	ROUND INLET (IN.)	CFM			COIL CAPACITY			ELECT. V/Φ/Hz
			MAX.	MIN.	HTG.	MBH	KW	STAGES	
VAVR–AC1–1	VVR	6	260	80	130	4.61	1.4	1	277/1/60
VAVR–AC1–2	VVR	10	1,180	355	590	19.27	5.7	1	277/1/60
VAVR–AC1–3	VVR	10	1,180	355	590	17.07	5.1	1	277/1/60
VAVR–AC1–4	VVR	6	380	115	190	6.28	1.9	1	277/1/60

TYPES:

VV = VARIABLE VOLUME – NO COIL
VVR = VARIABLE VOLUME REHEAT – TURN DOWN TO MINIMUM
CVR = CONSTANT VOLUME REHEAT – TURN DOWN TO MINIMUM

NOTES:

(A) ENTERING AIR = 55°F.
(B) ALL BOXES STANDARD LINING UNLESS OTHERWISE NOTED.
(C) TERMINAL UNIT CONTROLLER TO BE ON SAME SIDE AS ELECTRICAL POWER & CONTROL CONNECTIONS.
(D) PROVIDE TRANSFORMER TO POWER DIGITAL CONTROLS AND HEATER DISCONNECTS AND SAFETIES.
(E) CONTROLS SHALL BE BY THE BAS MANUFACTURER.

AIR TERMINAL BOXES (CU-2/AC-2)

MARK	TYPE	ROUND INLET (IN.)	CFM			COIL CAPACITY			ELECT. V/Φ/Hz
			MAX.	MIN.	HTG.	MBH	KW	STAGES	
VAVR–AC2–1	VVR	12	1,200	360	600	17.63	5.2	1	277/1/60
VAVR–AC2–2	VVR	12	1,200	360	600	17.63	5.2	1	277/1/60
VAVR–AC2–3	VVR	12	1,200	360	600	17.63	5.2	1	277/1/60
VAVR–AC2–4	VVR	12	1,200	360	600	17.63	5.2	1	277/1/60
VAVR–AC2–5	VVR	6	200	60	100	23.01	0.9	1	277/1/60

TYPES:

VV = VARIABLE VOLUME – NO COIL
VVR = VARIABLE VOLUME REHEAT – TURN DOWN TO MINIMUM
CVR = CONSTANT VOLUME REHEAT – TURN DOWN TO MINIMUM

NOTES:

(A) ENTERING AIR = 55°F.
(B) ALL BOXES STANDARD LINING UNLESS OTHERWISE NOTED.
(C) TERMINAL UNIT CONTROLLER TO BE ON SAME SIDE AS ELECTRICAL POWER & CONTROL CONNECTIONS.
(D) PROVIDE TRANSFORMER TO POWER DIGITAL CONTROLS AND HEATER DISCONNECTS AND SAFETIES.
(E) CONTROLS SHALL BE BY THE BAS MANUFACTURER.

ELECTRIC WALL HEATER

MARK	QUANT.	CAPACITY (kW)	AMPS	ELECT. V/Φ/Hz	ACCESSORIES	DESIGN BASIS
EWH–1	1	5.0	18.1	277/1/60	(1)	MARKEL – SERIES 3420

HEATER ACCESSORIES:

(1) PROVIDE WALL MOUNTED THERMOSTAT, MOUNTING FRAME, DISCONNECT, HORIZONTAL LOUVERS, CONTACTORS, FUSING, AND CONTROL TRANSFORMER. ALL ELECTRICAL COMPONENTS SHALL BE WIRED TO A SINGLE POINT POWER CONNECTION.

HEATER NOTES:

1. CONTRACTOR TO PROVIDE ALL CONTROL WIRING IN CONDUIT AND CONTROL ACCESSORIES AS REQUIRED FOR CONNECTING WALL MOUNTED THERMOSTATS.

ENERGY RECOVERY UNIT (ERU)

MARK	SUPPLY FAN			EXHAUST FAN			SUMMER PERFORMANCE							WINTER PERFORMANCE				DX COOLING				HOT GAS REHEAT		ELECTRIC HEATING					BASIS OF DESIGN
	CFM	E.S.P. W.G.	FAN H.P.	CFM	E.S.P. W.G.	FAN H.P.	OSA ENT. °FDB	OSA ENT. °FWB	EXHAUST AIR °FDB	EXHAUST AIR °FWB	SUPPLY AIR °FDB	SUPPLY AIR °FWB	EFFECTIVENESS	OSA ENT. °FDB	EXHAUST AIR °FDB	SUPPLY AIR °FDB	EFFECTIVENESS	TOTAL MBH	SENS. MBH	ENT. TEMP °FDB/°FWB	LVG. TEMP °FDB/°FWB	TOTAL MBH	LVG. TEMP °FDB	V/Φ/Hz	AIR ENT.	MBH	KW	MCA	MOCP	
ERU–1	4,000	2.0"	2 @ 2	3,800	2.0"	3	95	78.5	89.7	73.5	80.5	69.1	63.6%	19.6	32.3	58.9	70.8%	198.6	114.2	80.5/69.1	52.7/52.6	157.2	90.1	460/3/60	55.0	114.4	35.0	87.9	90	VALENT VXC–212–PH–15I–1–A3

NOTES:

1. UL–LISTED
2. 2" THICK MERV 13 FILTER
3. LOW LEAKAGE DAMPER
4. ECONOMIZER BMS CONTROL (BACNET INTEGRAL MTSP)
5. VFD FOR FAN BALANCING SUPPLY AND EXHAUST FANS
6. SINGLE POINT POWER CONNECTION
7. FUSED DISCONNECT
8. PROVIDE HOT GAS REHEAT
9. ENERGY RECOVERY UNIT TO HAVE ENTHALPY CORE
10. CUSTOM CURB BASE WITH EXHAUST AND SUPPLY DUCT CONNECTIONS.

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ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 14178
PROFESSIONAL
JAMES S. DAVIS, JR.
ENGINEER
11/6/26
225109

HVAC SCHEDULES

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OUTSIDE AIR CALCULATIONS (AHU-1)

OCCUPANCY CATEGORY	PEOPLE (Pz)	AREA (Az)	CFM / P (Rp)	CFM / SF (Ra)	UNCORRECTED OSA
WEIGHT TRAINING – B104	40	3,714 S.F.	20.0	0.06	1,023 CFM
STOR – SR101	0	131 S.F.	5.0	0.12	16 CFM

TOTAL SUPPLY AIR: (Vpz)	10,000 CFM
TOTAL UNCORRECTED OSA: (Vou)	1,039 CFM
ZONE EFFECTIVENESS: (Ez)	0.8
VENTILATION EFFICIENCY: (Ev)	1.0
TOTAL CORRECTED OSA: (Vot)	1,299 CFM
TOTAL OSA PROVIDED:	1,300 CFM

NOTES

1. OUTSIDE AIR CALCS. BASED ON ASHRAE STANDARD 62.1–2019 & 2021 IMC, TABLE 403.3.
2. ZONE AIR DISTRIBUTION EFFECTIVENESS (E_z) IS 0.8 FOR CEILING SUPPLY OF WARM AIR 15'F OR MORE ABOVE SPACE TEMPERATURE.

OUTSIDE AIR CALCULATIONS (AHU-2)

OCCUPANCY CATEGORY	PEOPLE (Pz)	AREA (Az)	CFM / P (Rp)	CFM / SF (Ra)	UNCORRECTED OSA
CORRIDOR–1 – C100–1	0	191 S.F.	0.0	0.06	12 CFM
CORRIDOR–5 – C100–5	0	350 S.F.	0.0	0.06	21 CFM
PRIVATE CORRIDOR – C101	0	320 S.F.	0.0	0.06	20 CFM
LAUNDRY FACILITY – 110	0	182 S.F.	5.0	0.12	22 CFM
GIRLS VOLLEYBALL LOCKER – 116	20	303 S.F.	5.0	0.06	119 CFM
GIRLS FLAG FOOTBALL LOCKER – 118	18	235 S.F.	5.0	0.06	105 CFM
GIRLS BASKETBALL LOCKER – 120	22	372 S.F.	5.0	0.06	133 CFM
TRAINING/PT ROOM – 124	8	484 S.F.	10.0	0.06	110 CFM

TOTAL SUPPLY AIR: (Vpz)	3,200 CFM
TOTAL UNCORRECTED OSA: (Vou)	542 CFM
ZONE EFFECTIVENESS: (Ez)	0.8
VENTILATION EFFICIENCY: (Ev)	1.0
TOTAL CORRECTED OSA: (Vot)	678 CFM
TOTAL OSA PROVIDED:	3,200 CFM

NOTES

1. OUTSIDE AIR CALCS. BASED ON ASHRAE STANDARD 62.1–2019 & 2021 IMC, TABLE 403.3.
2. ZONE AIR DISTRIBUTION EFFECTIVENESS (E_z) IS 0.8 FOR CEILING SUPPLY OF WARM AIR 15'F OR MORE ABOVE SPACE TEMPERATURE.

OUTSIDE AIR CALCULATIONS (ERU-1)

OCCUPANCY CATEGORY	PEOPLE (Pz)	AREA (Az)	CFM / P (Rp)	CFM / SF (Ra)	UNCORRECTED OSA
CORRIDOR–2 – C100–2	0	69 S.F.	0.0	0.06	5 CFM
CORRIDOR–3 – C100–3	0	480 S.F.	0.0	0.06	29 CFM
CORRIDOR–4 – C100–4	0	565 S.F.	0.0	0.06	34 CFM
STORAGE – SR104	0	194 S.F.	5.0	0.12	24 CFM
SPORTS STORAGE – SR130	0	92 S.F.	5.0	0.12	12 CFM
BOYS VISITING LOCKER – 126	15	201 S.F.	5.0	0.06	88 CFM
GIRLS VISITING LOCKER – 128	15	254 S.F.	5.0	0.06	91 CFM
BOYS BASKETBALL LOCKER – 130	20	502 S.F.	5.0	0.06	131 CFM
BOYS SOCCER LOCKER – 132	25	515 S.F.	5.0	0.06	156 CFM

TOTAL SUPPLY AIR: (Vpz)	4,000 CFM
TOTAL UNCORRECTED OSA: (Vou)	502 CFM
ZONE EFFECTIVENESS: (Ez)	0.8
VENTILATION EFFICIENCY: (Ev)	1.0
TOTAL CORRECTED OSA: (Vot)	628 CFM
TOTAL OSA PROVIDED:	4,000 CFM

NOTES

1. OUTSIDE AIR CALCS. BASED ON ASHRAE STANDARD 62.1–2019 & 2021 IMC, TABLE 403.3.
2. ZONE AIR DISTRIBUTION EFFECTIVENESS (E_z) IS 0.8 FOR CEILING SUPPLY OF WARM AIR 15'F OR MORE ABOVE SPACE TEMPERATURE.

OUTSIDE AIR CALCULATIONS (AHU-3)

OCCUPANCY CATEGORY	PEOPLE (Pz)	AREA (Az)	CFM / P (Rp)	CFM / SF (Ra)	UNCORRECTED OSA
GYMNASIUM – 140	40	4,616 S.F.	20.0	0.18	1,631 CFM
LOBBY – LB101	15	428 S.F.	5.0	0.06	101 CFM
MECHANICAL–1 – M106–1	0	63 S.F.	5.0	0.12	8 CFM
STORAGE – SR140	0	249 S.F.	5.0	0.12	30 CFM
(1/3) VESTIBULE – V101	0	286 S.F.	0.0	0.06	18 CFM
(2/3) VESTIBULE – V101	20	635 S.F.	5.0	0.06	139 CFM

TOTAL SUPPLY AIR: (Vpz)	17,000 CFM
TOTAL UNCORRECTED OSA: (Vou)	1,927 CFM
ZONE EFFECTIVENESS: (Ez)	0.8
VENTILATION EFFICIENCY: (Ev)	1.0
TOTAL CORRECTED OSA: (Vot)	2,409 CFM
TOTAL OSA PROVIDED:	2,410 CFM

NOTES

1. OUTSIDE AIR CALCS. BASED ON ASHRAE STANDARD 62.1–2019 & 2021 IMC, TABLE 403.3.
2. ZONE AIR DISTRIBUTION EFFECTIVENESS (E_z) IS 0.8 FOR CEILING SUPPLY OF WARM AIR 15'F OR MORE ABOVE SPACE TEMPERATURE.

OUTSIDE AIR CALCULATIONS (CU-1/AC-1)

OCCUPANCY CATEGORY	PEOPLE (Pz)	AREA (Az)	CFM / P (Rp)	CFM / SF (Ra)	UNCORRECTED OSA
CORRIDOR – R41	0	125 S.F.	0.0	0.06	8 CFM
TICKET/CONCESSION – 105	2	199 S.F.	5.0	0.12	34 CFM
FILM ROOM – 111	25	655 S.F.	10.0	0.06	290 CFM
HOSPITALITY – 109	20	709 S.F.	5.0	0.06	143 CFM

TOTAL SUPPLY AIR: (Vpz)	3,000 CFM
TOTAL UNCORRECTED OSA: (Vou)	475 CFM
ZONE EFFECTIVENESS: (Ez)	0.8
VENTILATION EFFICIENCY: (Ev)	1.0
TOTAL CORRECTED OSA: (Vot)	594 CFM
TOTAL OSA PROVIDED:	600 CFM

NOTES

1. OUTSIDE AIR CALCS. BASED ON ASHRAE STANDARD 62.1–2019 & 2021 IMC, TABLE 403.3.
2. ZONE AIR DISTRIBUTION EFFECTIVENESS (E_z) IS 0.8 FOR CEILING SUPPLY OF WARM AIR 15'F OR MORE ABOVE SPACE TEMPERATURE.

OUTSIDE AIR CALCULATIONS (CU-2/AC-2)

OCCUPANCY CATEGORY	PEOPLE (Pz)	AREA (Az)	CFM / P (Rp)	CFM / SF (Ra)	UNCORRECTED OSA
OFFICE – 104	1	131 S.F.	5.0	0.06	13 CFM
LOBBY – LB100	125	2,292 S.F.	5.0	0.06	763 CFM

TOTAL SUPPLY AIR: (Vpz)	5,000 CFM
TOTAL UNCORRECTED OSA: (Vou)	776 CFM
ZONE EFFECTIVENESS: (Ez)	0.8
VENTILATION EFFICIENCY: (Ev)	1.0
TOTAL CORRECTED OSA: (Vot)	970 CFM
TOTAL OSA PROVIDED:	1,000 CFM

NOTES

1. OUTSIDE AIR CALCS. BASED ON ASHRAE STANDARD 62.1–2019 & 2021 IMC, TABLE 403.3.
2. ZONE AIR DISTRIBUTION EFFECTIVENESS (E_z) IS 0.8 FOR CEILING SUPPLY OF WARM AIR 15'F OR MORE ABOVE SPACE TEMPERATURE.

OUTSIDE AIR CALCULATIONS (RTU-1)

OCCUPANCY CATEGORY	PEOPLE (Pz)	AREA (Az)	CFM / P (Rp)	CFM / SF (Ra)	UNCORRECTED OSA
MZ101 – SOCIAL ZONE	15	908 S.F.	5.0	0.06	130 CFM
MZ102 – OFFICE	1	111 S.F.	5.0	0.06	12 CFM
MZ104 – OFFICE	1	113 S.F.	5.0	0.06	12 CFM
MZ105 – OFFICE	1	109 S.F.	5.0	0.06	12 CFM
MZ106 – CONFERENCE	8	299 S.F.	5.0	0.06	58 CFM
MZ107 – OFFICE	1	109 S.F.	5.0	0.06	12 CFM
MZ108 – OFFICE	1	116 S.F.	5.0	0.06	12 CFM
MZ111 – AD OFFICE	1	163 S.F.	5.0	0.06	15 CFM
MZ113 – OFFICE	1	107 S.F.	5.0	0.06	12 CFM
MZ115 – OFFICE	1	105 S.F.	5.0	0.06	12 CFM

TOTAL SUPPLY AIR: (Vpz)	2,300 CFM
TOTAL UNCORRECTED OSA: (Vou)	287 CFM
ZONE EFFECTIVENESS: (Ez)	0.8
VENTILATION EFFICIENCY: (Ev)	1.0
TOTAL CORRECTED OSA: (Vot)	359 CFM
TOTAL OSA PROVIDED:	360 CFM

NOTES

1. OUTSIDE AIR CALCS. BASED ON ASHRAE STANDARD 62.1–2019 & 2021 IMC, TABLE 403.3.
2. ZONE AIR DISTRIBUTION EFFECTIVENESS (E_z) IS 0.8 FOR CEILING SUPPLY OF WARM AIR 15'F OR MORE ABOVE SPACE TEMPERATURE.

OUTSIDE AIR CALCULATIONS (RTU-2)

OCCUPANCY CATEGORY	PEOPLE (Pz)	AREA (Az)	CFM / P (Rp)	CFM / SF (Ra)	UNCORRECTED OSA
(1/2) GYMNASIUM – 102	75	7,180 S.F.	20.0	0.18	2,793 CFM

TOTAL SUPPLY AIR: (Vpz)	23,150 CFM
TOTAL UNCORRECTED OSA: (Vou)	2,793 CFM
ZONE EFFECTIVENESS: (Ez)	0.8
VENTILATION EFFICIENCY: (Ev)	1.0
TOTAL CORRECTED OSA: (Vot)	3,492 CFM
TOTAL OSA PROVIDED:	3,500 CFM

NOTES

1. OUTSIDE AIR CALCS. BASED ON ASHRAE STANDARD 62.1–2019 & 2021 IMC, TABLE 403.3.
2. ZONE AIR DISTRIBUTION EFFECTIVENESS (E_z) IS 0.8 FOR CEILING SUPPLY OF WARM AIR 15'F OR MORE ABOVE SPACE TEMPERATURE.

OUTSIDE AIR CALCULATIONS (RTU-3)

OCCUPANCY CATEGORY	PEOPLE (Pz)	AREA (Az)	CFM / P (Rp)	CFM / SF (Ra)	UNCORRECTED OSA
(1/2) GYMNASIUM – 102	75	7,180 S.F.	20.0	0.18	2,793 CFM

TOTAL SUPPLY AIR: (Vpz)	23,150 CFM
TOTAL UNCORRECTED OSA: (Vou)	2,793 CFM
ZONE EFFECTIVENESS: (Ez)	0.8
VENTILATION EFFICIENCY: (Ev)	1.0
TOTAL CORRECTED OSA: (Vot)	3,492 CFM
TOTAL OSA PROVIDED:	3,500 CFM

NOTES

1. OUTSIDE AIR CALCS. BASED ON ASHRAE STANDARD 62.1–2019 & 2021 IMC, TABLE 403.3.
2. ZONE AIR DISTRIBUTION EFFECTIVENESS (E_z) IS 0.8 FOR CEILING SUPPLY OF WARM AIR 15'F OR MORE ABOVE SPACE TEMPERATURE.

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JAMES S. DAVIS, JR. No. 14178 PROFESSIONAL ENGINEER
11/6/26
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OUTSIDE AIR CALCULATIONS

M0.03

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LOWER LEVEL HVAC PLAN - DEMOLITION

M1.01

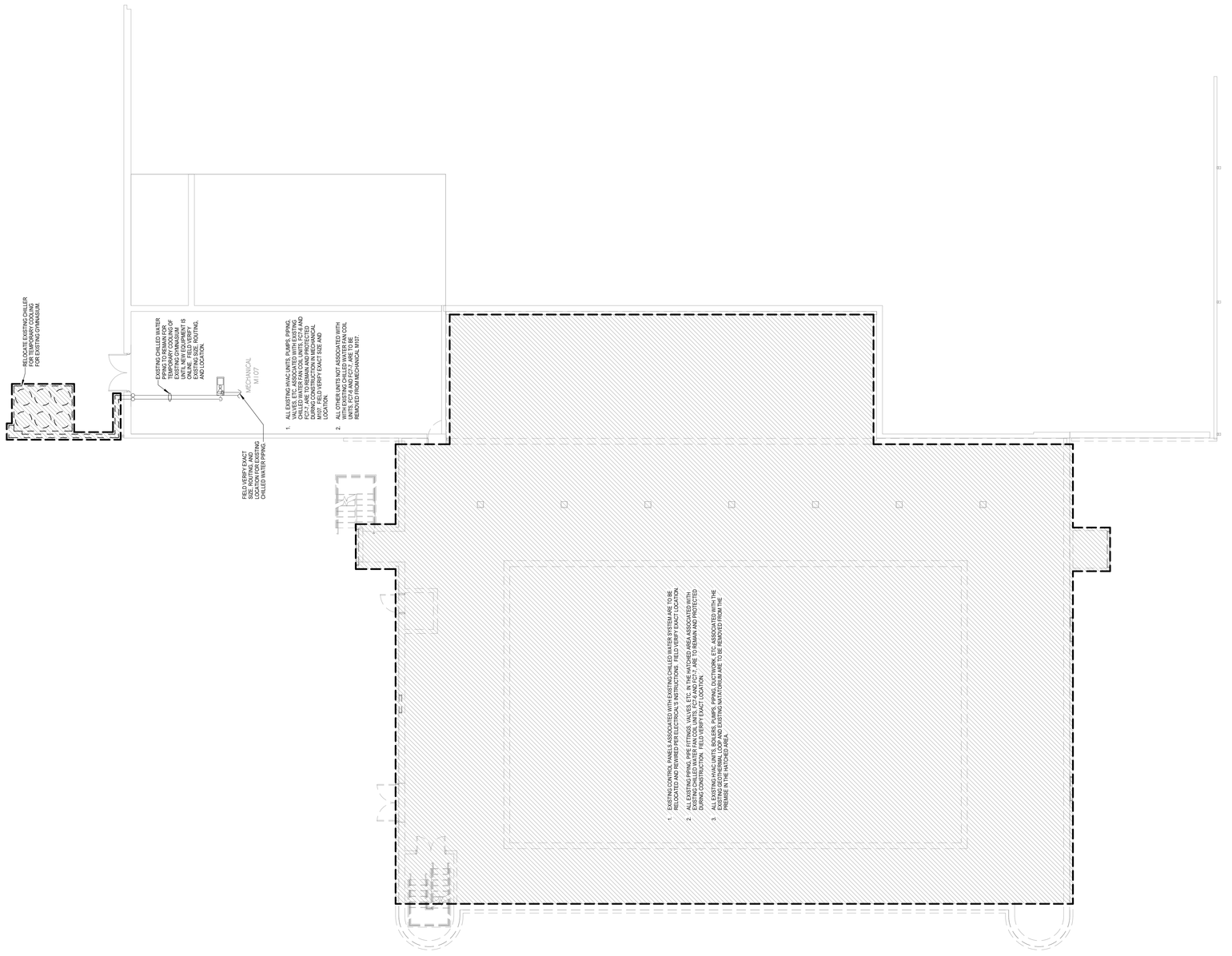
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1 LOWER LEVEL HVAC PLAN - DEMOLITION
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M1.02

MAIN LEVEL HVAC PLAN - DEMOLITION

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11/6/26
DAVID S. DAVIS
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PROFESSIONAL
ENGINEER
STATE OF ALABAMA
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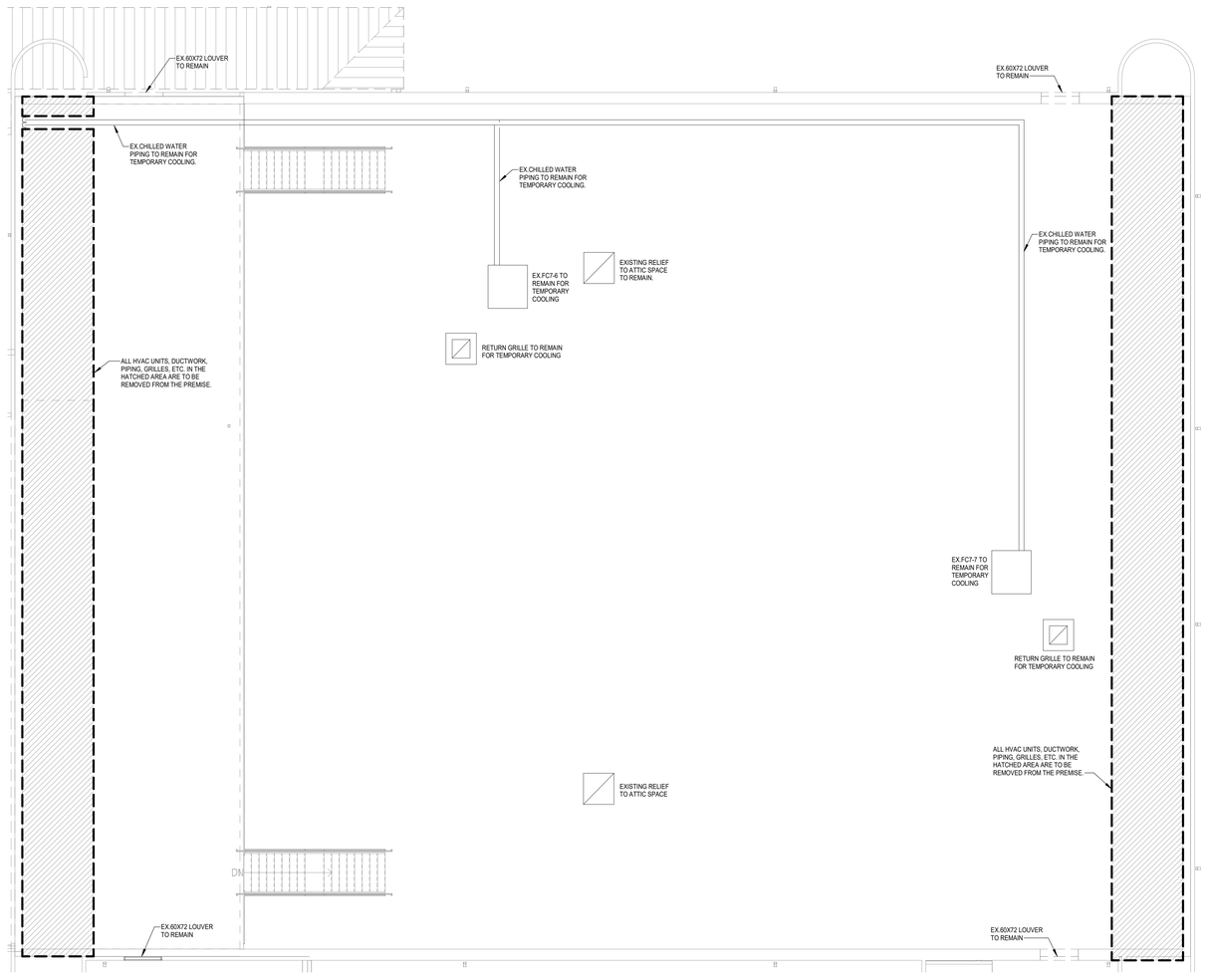
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MAIN LEVEL DEMOLITION NOTES:

1. ALL EXISTING PIPING, PIPE FITTINGS, VALVES, ETC. IN THE HATCHED AREA ASSOCIATED WITH EXISTING HYDRONIC HEATING AND COOLING SYSTEMS ARE TO REMAIN AND PROTECTED DURING CONSTRUCTION. FIELD VERIFY EXACT LOCATION.
2. ALL EXISTING HVAC UNITS, DUCTWORK, PIPING, FITTINGS, ETC. IN THE HATCHED AREA ASSOCIATED WITH THE EXISTING GEOTHERMAL LOOP AND EXISTING NATATORIUM ARE TO BE REMOVED FROM THE PREMISE.
3. ALL EXISTING EP LT SYSTEM HEAT PUMPS, DUCTWORK, PIPING, FITTINGS, ETC. IN THE HATCHED AREA ARE TO BE REMOVED FROM THE PREMISE.

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

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1 MEZZANINE HVAC PLAN - DEMOLITION

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

MEZZANINE LEVEL GENERAL NOTE:

1. ALL EXISTING PIPING, PIPE FITTINGS, VALVES, ETC. IN THE HATCHED AREA ASSOCIATED WITH EXISTING CHILLED WATER FAN COIL UNITS, FC7-6 AND FC7-7, ARE TO REMAIN AND PROTECTED DURING CONSTRUCTION. FIELD VERIFY EXACT SIZE AND LOCATION.
2. ALL EXISTING HVAC EQUIPMENT FOR ATTIC VENTILATION ARE TO REMAIN. FIELD VERIFY EXACT SIZE AND LOCATION.
3. ALL EXISTING HVAC UNITS, DUCTWORK, PIPING, FITTINGS, ETC. IN THE HATCHED AREA ASSOCIATED WITH THE EXISTING GEOTHERMAL LOOP AND EXISTING NATATORIUM ARE TO BE REMOVED FROM THE PREMISE.

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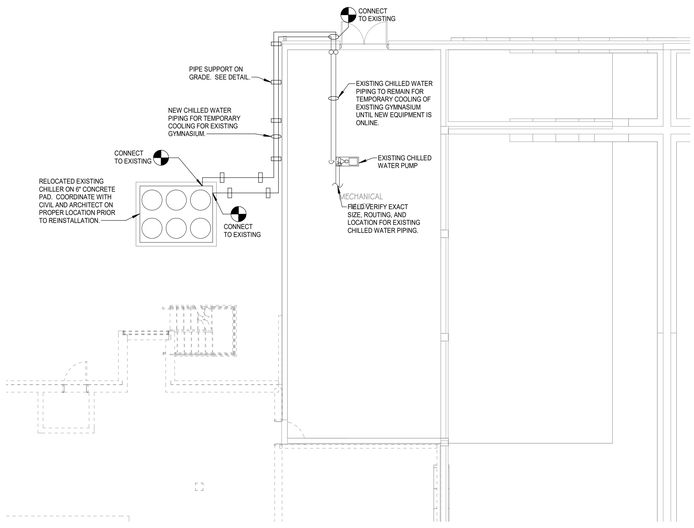


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MEZZANINE LEVEL HVAC PLAN - DEMOLITION

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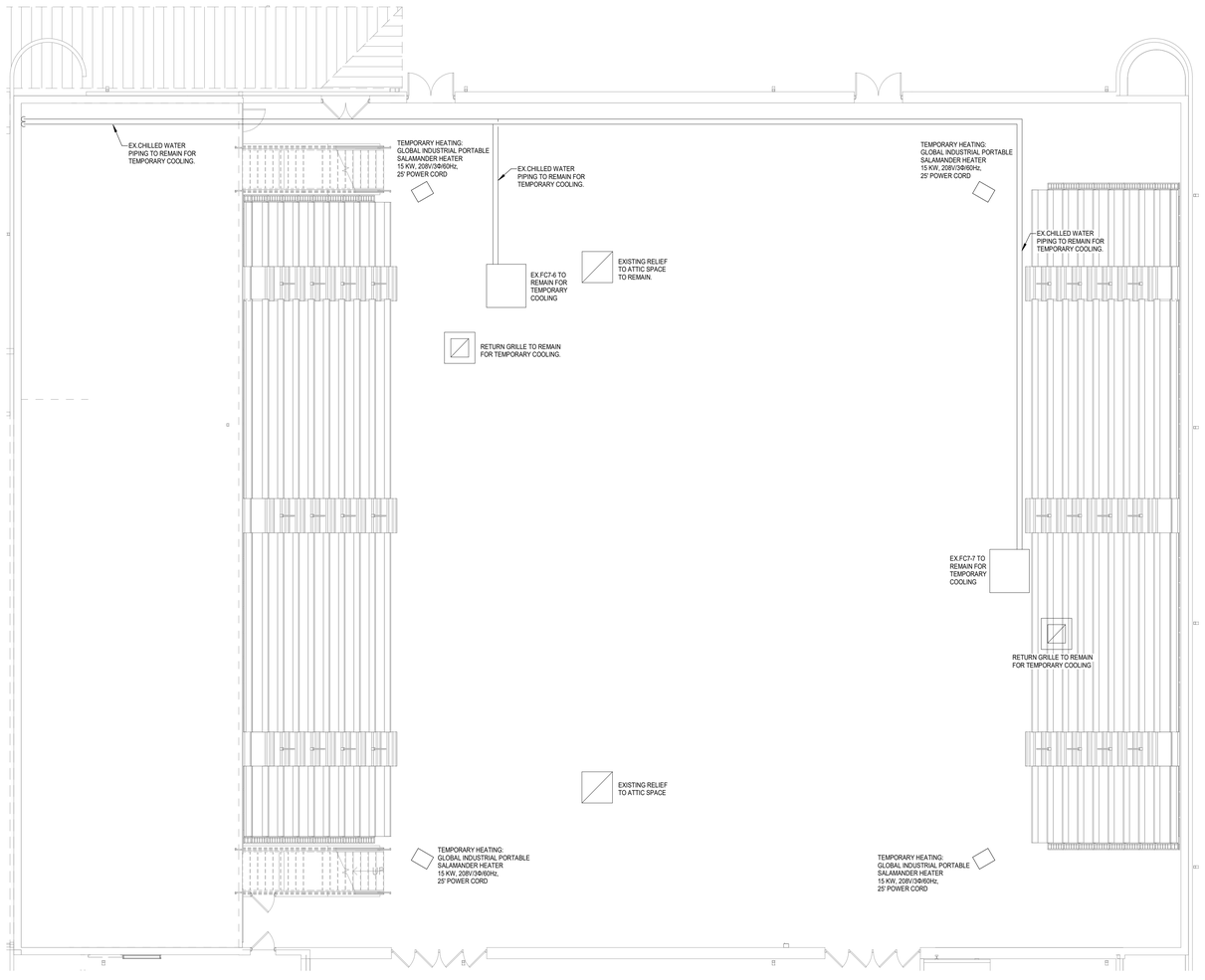


1 PARTIAL LOWER LEVEL HVAC PLAN - TEMPORARY WORK

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

LOWER LEVEL GENERAL NOTE:

1. ALL EXISTING CHILLER, PUMP, PIPING, PIPE FITTINGS, VALVES, ETC. ASSOCIATED WITH EXISTING CHILLED WATER FAN COIL UNITS, FC7-6 AND FC7-7, ARE TO REMAIN AND PROTECTED DURING CONSTRUCTION UNTIL NEW WORK IS COMPLETED AND ONLINE.
2. UPON COMPLETION OF NEW WORK AND ONLINE, ALL EXISTING CHILLER, PUMP, PIPING, PIPE FITTINGS, VALVES, ETC. ASSOCIATED WITH EXISTING CHILLED WATER FAN COIL UNITS, FC7-6 AND FC7-7, ARE TO BE REMOVED FROM THE PREMISE.



2 PARTIAL MAIN LEVEL HVAC PLAN - TEMPORARY WORK

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

MEZZANINE LEVEL GENERAL NOTE:

1. ALL EXISTING PIPING, PIPE FITTINGS, VALVES, ETC. ASSOCIATED WITH EXISTING CHILLED WATER FAN COIL UNITS, FC7-6 AND FC7-7, ARE TO REMAIN AND PROTECTED DURING CONSTRUCTION UNTIL NEW WORK IS COMPLETED AND ONLINE. FIELD VERIFY EXACT SIZE AND LOCATION.
2. UPON COMPLETION OF NEW WORK AND ONLINE, ALL EXISTING PIPING, PIPE FITTINGS, VALVES, ETC. ASSOCIATED WITH EXISTING CHILLED WATER FAN COIL UNITS, FC7-6 AND FC7-7, ARE TO BE CAPPED AND ABANDONED.
3. ALL EXISTING HVAC EQUIPMENT FOR ATTIC VENTILATION ARE TO REMAIN.

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ALABAMA No. 14178 PROFESSIONAL ENGINEER JAMES S. DAVIS
11/6/26

PARTIAL HVAC PLANS - TEMPORARY WORK

M2.00

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LOWER LEVEL HVAC PLAN - NEW WORK

M2.01

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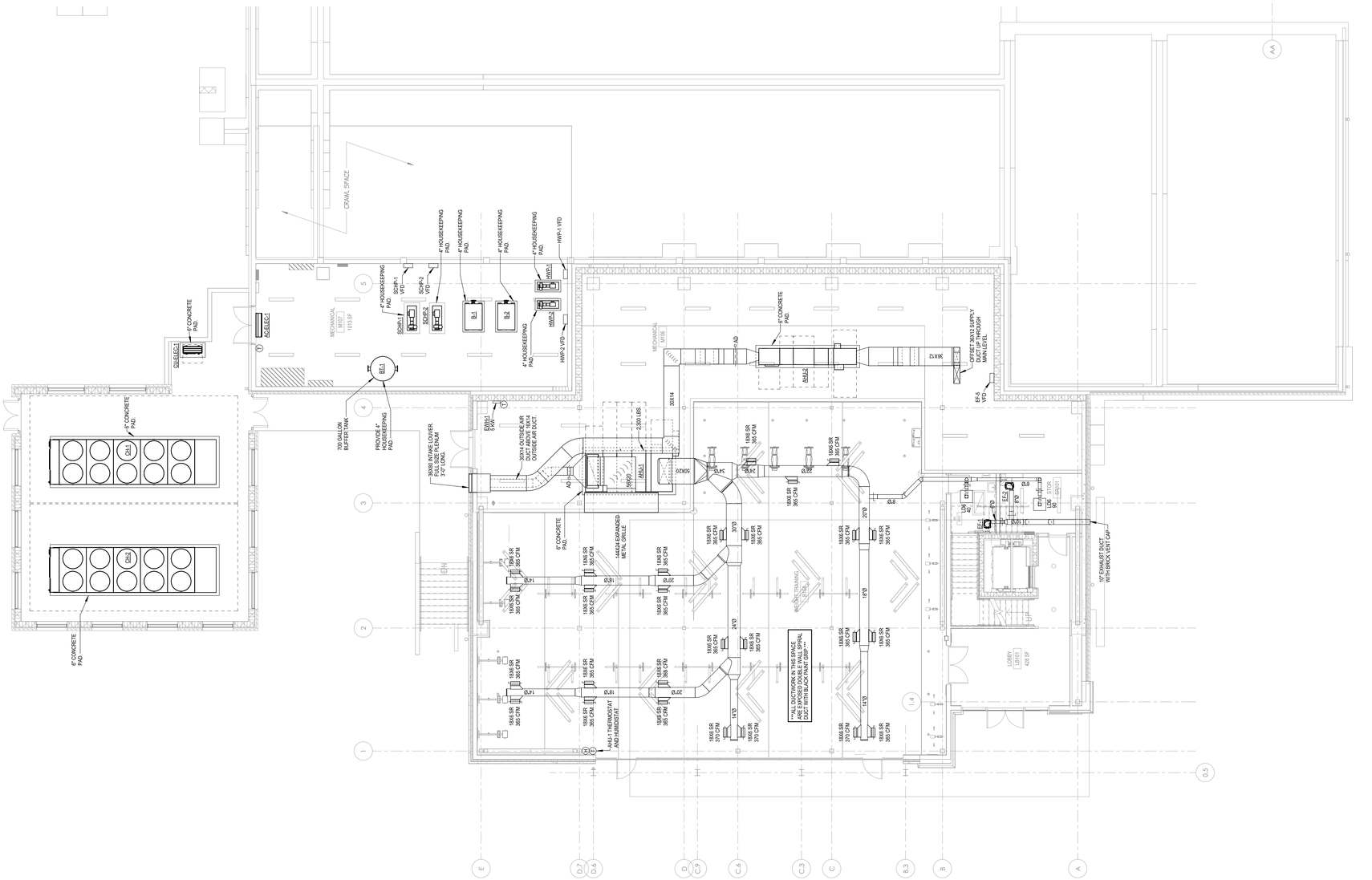
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1 LOWER LEVEL HVAC PLAN - NEW WORK
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MAIN LEVEL HVAC PLAN - NEW WORK

M2.02

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MAIN LEVEL KEYED NOTES:

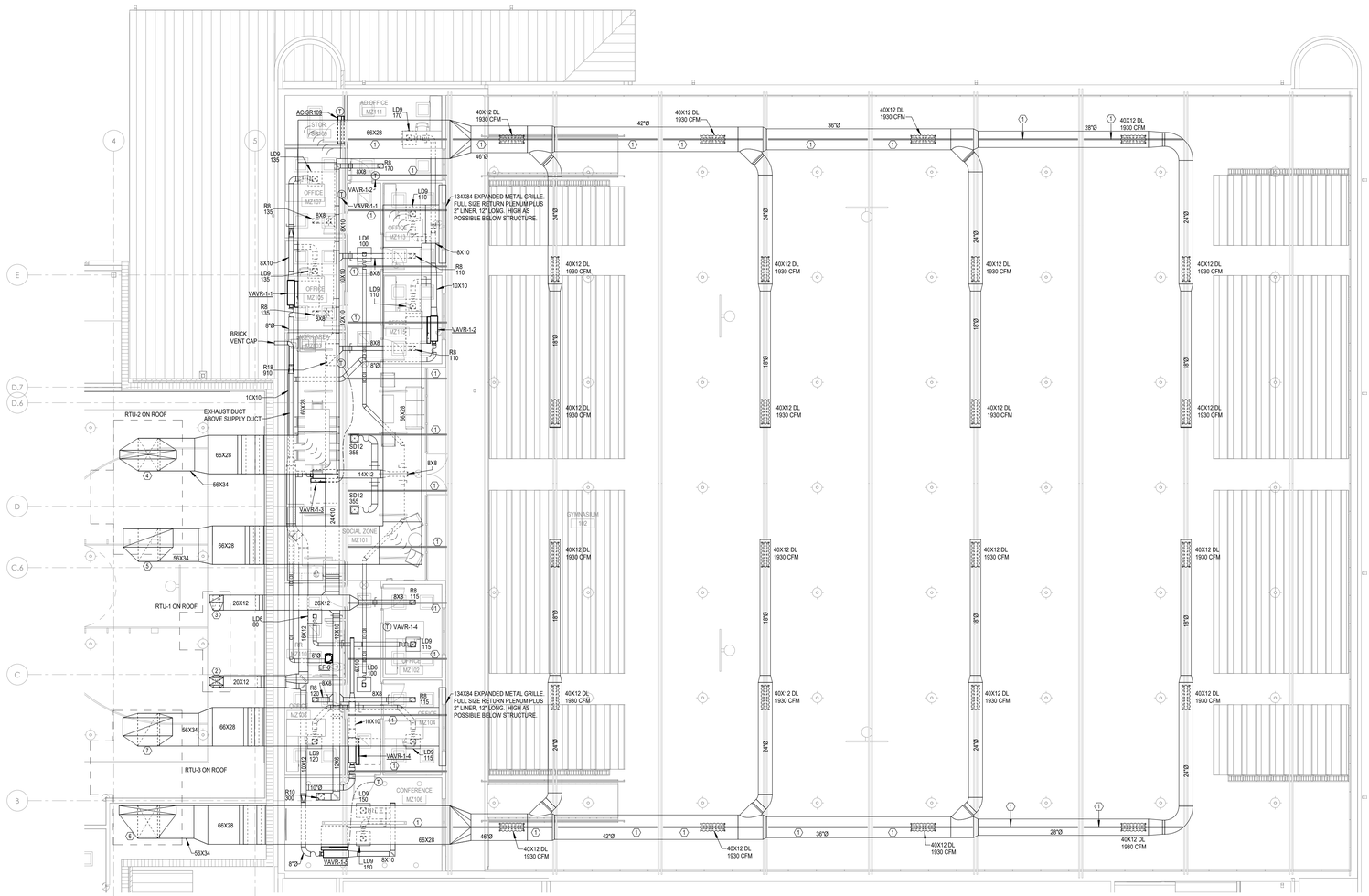
1. EF-5 SPACE STATIC PRESSURE SENSOR.
2. 10X8 DRYER EXHAUST DUCT UP THROUGH ROOF WITH GOOSENECK AND BACKDRAFT DAMPER. COORDINATE WITH STRUCTURAL PENETRATIONS. INSTALL PER MFG. REQUIREMENTS PRIOR TO INSTALLATION. SEE DETAIL. TOTAL LENGTH OF DUCT SHALL NOT EXCEED 35'-0" PER MFG. AND COMPLY WITH 2021 INTERNATIONAL MECHANICAL CODE.
3. 8"Ø DRYER EXHAUST DUCT UP THROUGH ROOF WITH GOOSENECK AND BACKDRAFT DAMPER. COORDINATE WITH STRUCTURAL PENETRATIONS. INSTALL PER MFG. REQUIREMENTS PRIOR TO INSTALLATION. SEE DETAIL. TOTAL LENGTH OF DUCT SHALL NOT EXCEED 35'-0" PER MFG. AND COMPLY WITH 2021 INTERNATIONAL MECHANICAL CODE.

MAIN LEVEL GENERAL NOTE:

1. HEIGHT FROM BOTTOM OF BOND BEAM TO FINISHED FLOOR AT EXISTING EXTERIOR WALLS EXCLUDING EXISTING FOOTINGS AND FOUNDATION WALLS IS APPROXIMATELY 4'-0". FIELD VERIFY EXACT HEIGHT PRIOR TO INSTALLATION.

1 MAIN LEVEL HVAC PLAN - NEW WORK

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



1 MEZZANINE LEVEL HVAC PLAN - NEW WORK

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

MEZZANINE LEVEL KEYED NOTES:

1. PROVIDE UNISTRUT BETWEEN GIRDERS TO SUPPORT DUCT FROM ABOVE. COORDINATE WITH STRUCTURAL PRIOR TO INSTALLATION. DO NOT PENETRATE DUCT HANGERS THROUGH EXISTING ROOF STRUCTURE.
2. TRANSITION FROM 20X12 SUPPLY DUCT TO FULL SIZE RTU-1 SUPPLY DUCT CONNECTION UP THROUGH ROOF.
3. TRANSITION FROM 26X12 RETURN DUCT TO FULL SIZE RTU-1 RETURN DUCT CONNECTION UP THROUGH ROOF.
4. TRANSITION FROM 56X34 SUPPLY DUCT TO FULL SIZE RTU-2 SUPPLY DUCT CONNECTION UP THROUGH ROOF.
5. TRANSITION FROM 56X34 RETURN DUCT TO FULL SIZE RTU-2 RETURN DUCT CONNECTION UP THROUGH ROOF.
6. TRANSITION FROM 56X34 SUPPLY DUCT TO FULL SIZE RTU-3 SUPPLY DUCT CONNECTION UP THROUGH ROOF.
7. TRANSITION FROM 56X34 RETURN DUCT TO FULL SIZE RTU-3 RETURN DUCT CONNECTION UP THROUGH ROOF.

GENERAL NOTE:

1. ALL DUCTWORK IN THIS SPACE ARE EXPOSED DOUBLE WALL SPIRAL DUCT WITH BLACK PAINT GRIP.

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MEZZANINE LEVEL HVAC PLAN - NEW WORK

M2.03

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ROOF HVAC PLAN

M2.04

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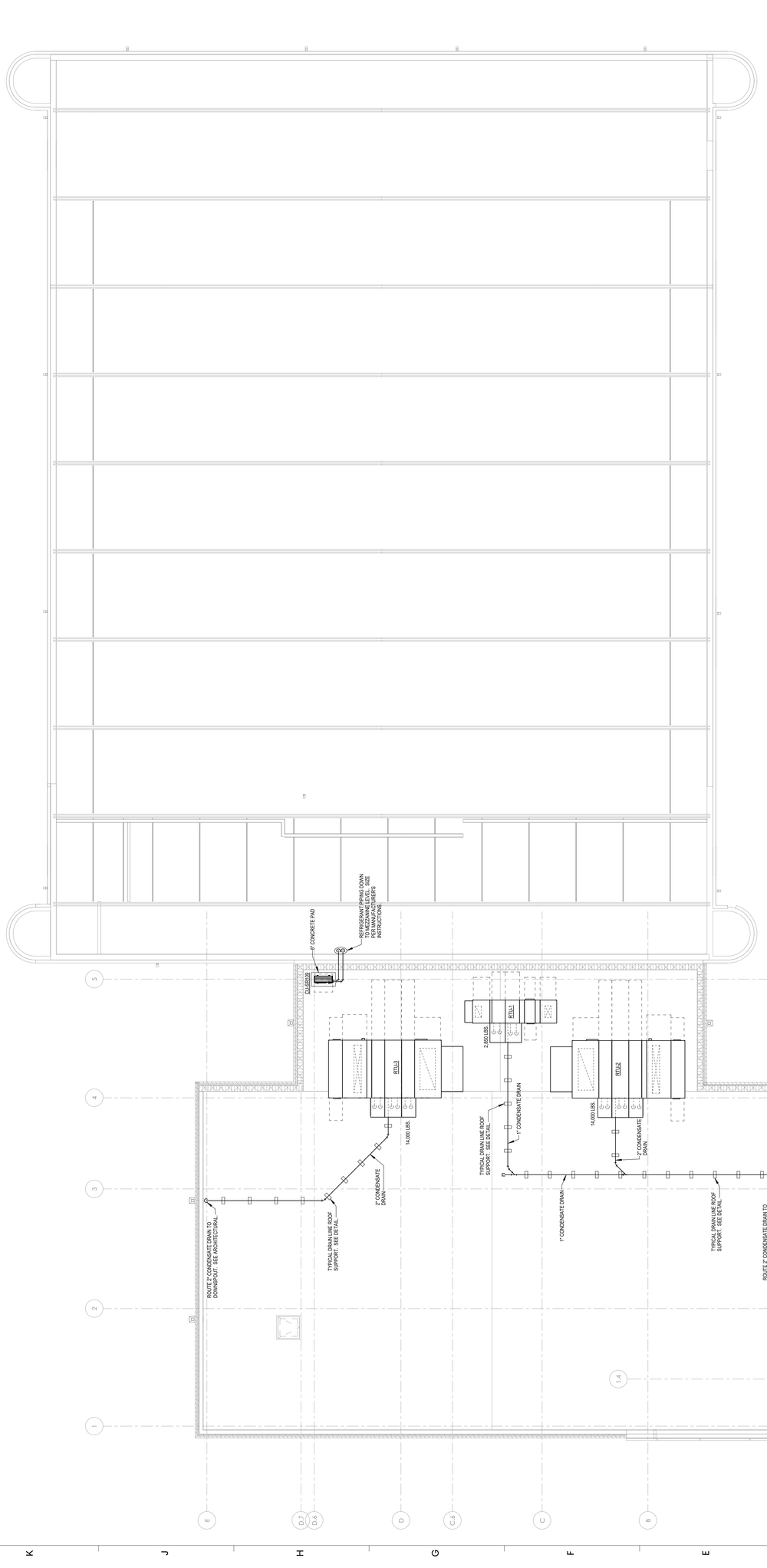
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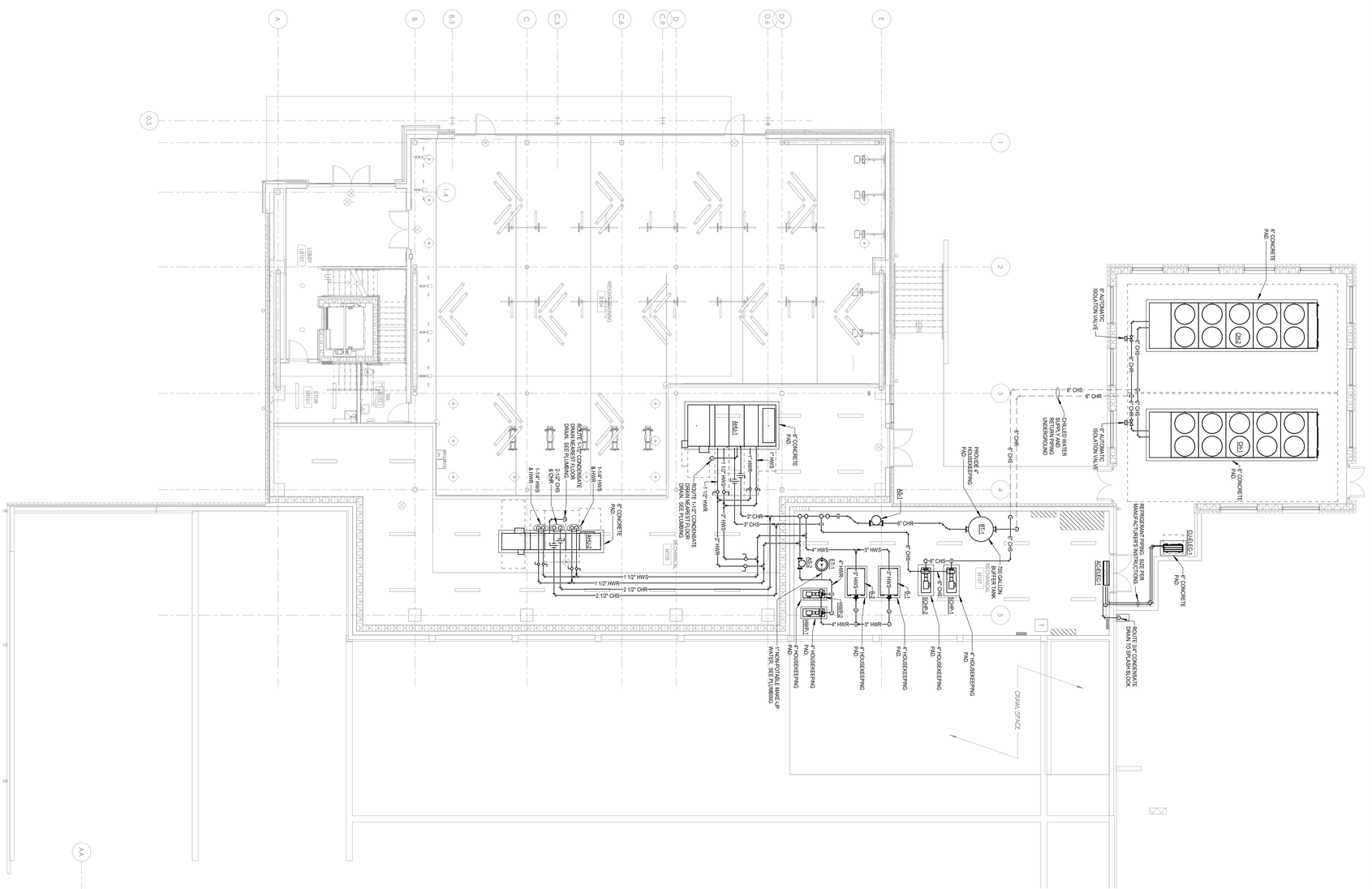


1 ROOF HVAC PLAN

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

1 LOWER LEVEL HVAC PIPING PLAN

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



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LOWER LEVEL HVAC PIPING PLAN - NEW WORK

M3.01

11/6/26

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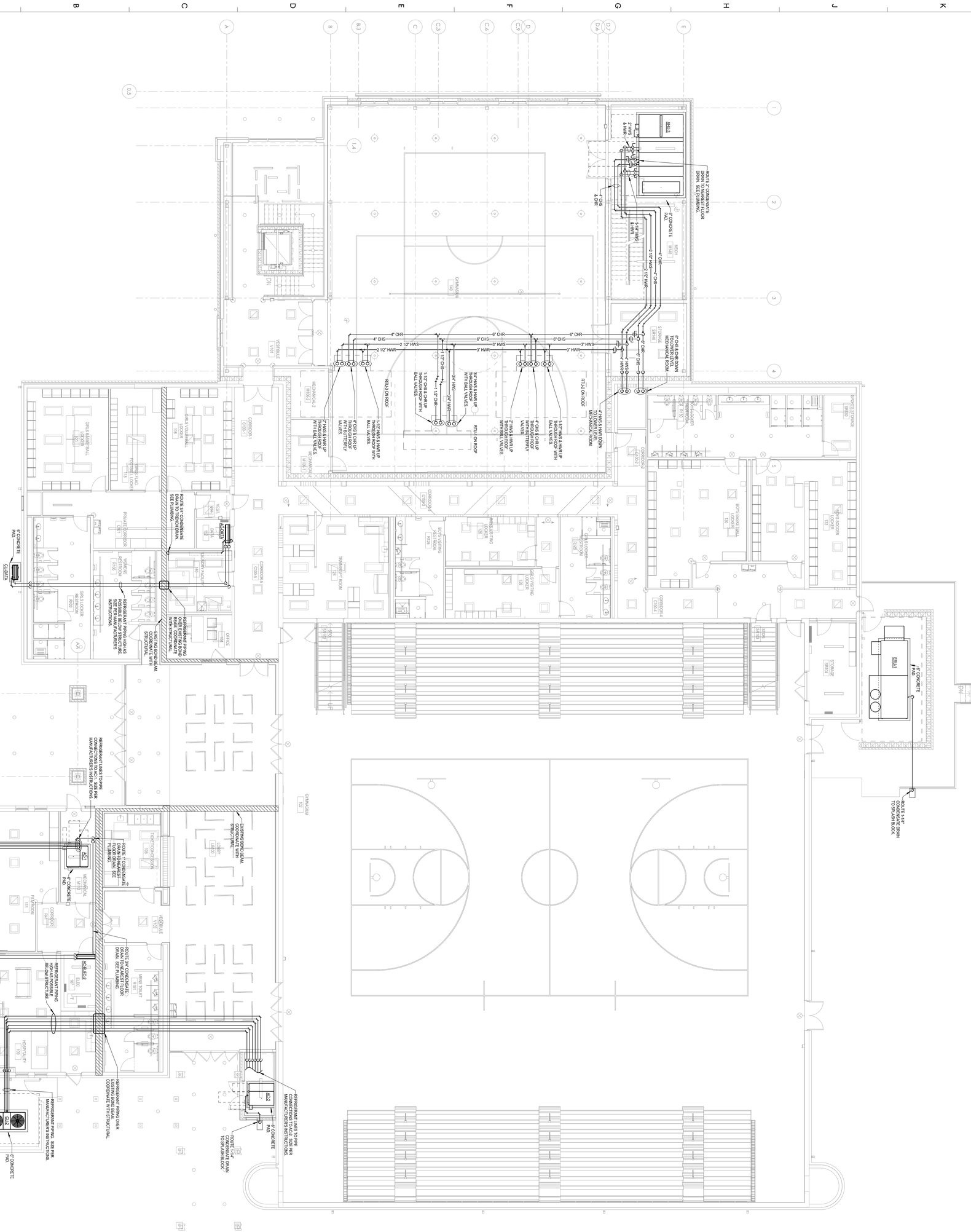
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1 MAIN LEVEL HVAC PIPING PLAN

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



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MAIN LEVEL HVAC PIPING PLAN - NEW WORK

M3.02

11/6/2026

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1 MEZZANINE LEVEL HVAC PIPING PLAN

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

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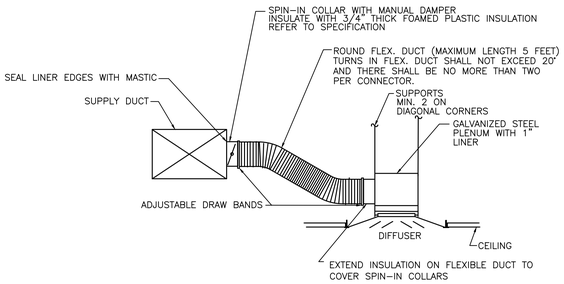
ACCS 2025 130 ESCC
GMC ABHM250051

STATE OF ALABAMA
No. 14178
PROFESSIONAL
ENGINEER
JAMES S. DAVIS
11/6/26
225109

MEZZANINE LEVEL HVAC PIPING PLAN - NEW WORK

M3.03

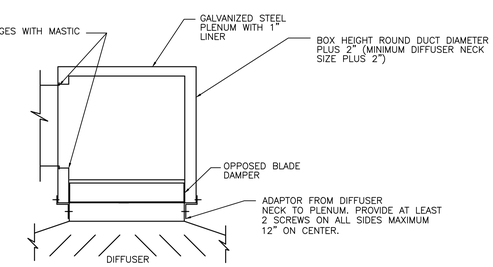
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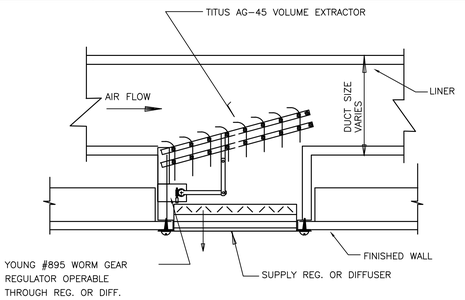
NOTE: WHEREVER THE SUPPLY DUCT HEIGHT IS INSUFFICIENT TO CONNECT THE SPIN-IN, THE SPIN-IN MAY BE CONNECTED TO THE TOP OR BOTTOM OF THE DUCT. IF THE BRANCH DUCT MUST BE CONNECTED TO THE SIDE OF THE MAIN DUCT, USE A RECTANGULAR BRANCH DUCT CONNECTION (SEE DETAIL) OF EQUAL AIR VELOCITY AND TRANSITION TO ROUND DUCT. REFER TO SPECIFICATION FOR MAXIMUM TURNS IN FLEX DUCT.

CEILING DIFFUSER DETAIL WITH LINER

NO SCALE



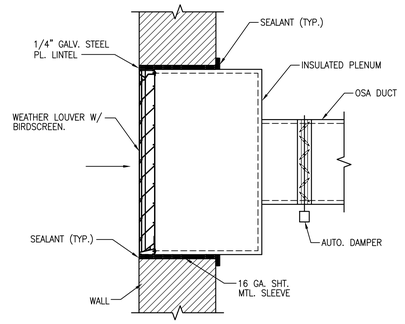
PLENUM DETAIL



NOTE:
USE THIS DETAIL FOR ALL REGISTERS AND DIFFUSERS WITH RECTANGULAR DUCT CONNECTIONS WITHOUT SUFFICIENT SPACE FOR INSTALLATION OF A 45 DEGREE TAP AND MANUAL DAMPER. OTHERWISE SEE "DUCT BRANCH CONNECTION" DETAIL.

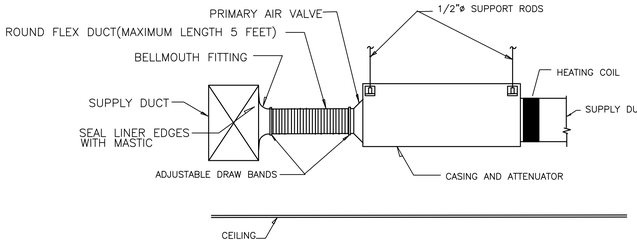
DUCT CONNECTION AT SUPPLY REGISTER

NO SCALE



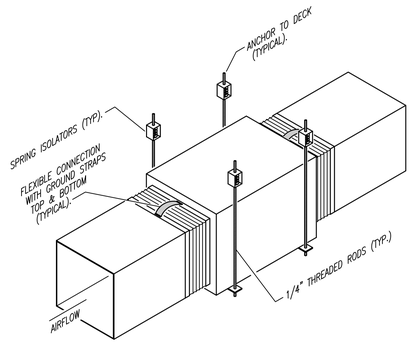
OSA INTAKE LOUVER DETAIL

NO SCALE



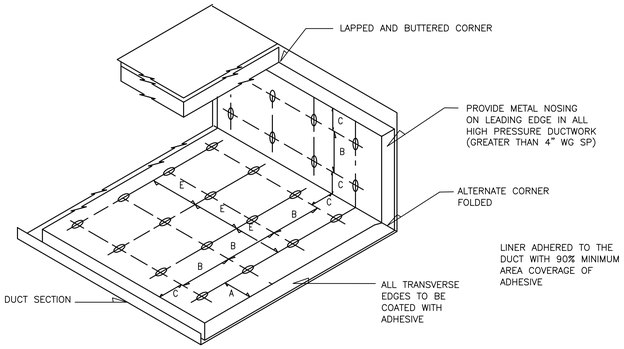
VARIABLE VOLUME REHEAT BOX DETAILS

NO SCALE



IN-LINE FAN DETAIL

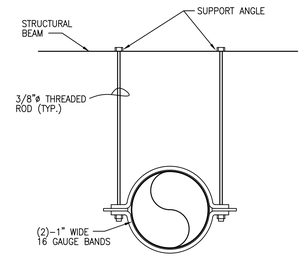
NO SCALE



MAXIMUM SPACING FOR FASTENERS. ACTUAL INTERVALS ARE APPROXIMATE.				
VELOCITY	DIMENSIONS			
	A	B	C	E
0-2500 FPM	3"	12"	4"	18"
2501-6000 FPM	3"	6"	4"	16"

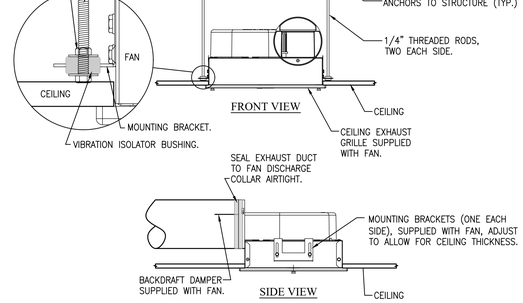
DUCT LINER INSTALLATION DETAIL

NO SCALE



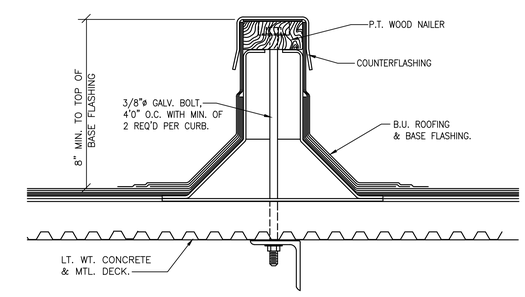
TYP. EXPOSED ROUND DUCT HANGERS

NO SCALE



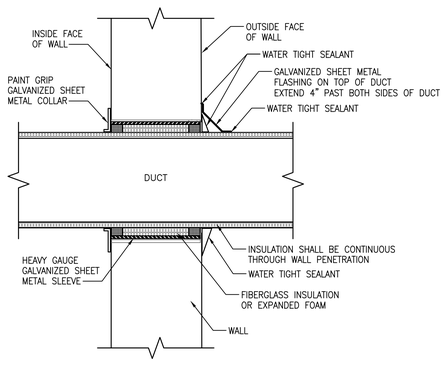
CEILING EXHAUST FAN DETAIL

NOT TO SCALE



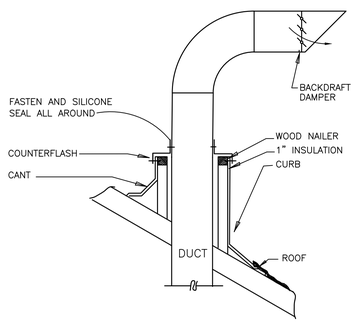
EQUIPMENT ROOF SUPPORTS

NOT TO SCALE



DUCTWORK PENETRATION OF EXTERIOR WALL

NOT TO SCALE



GOOSENECK VENT DETAIL

NO SCALE

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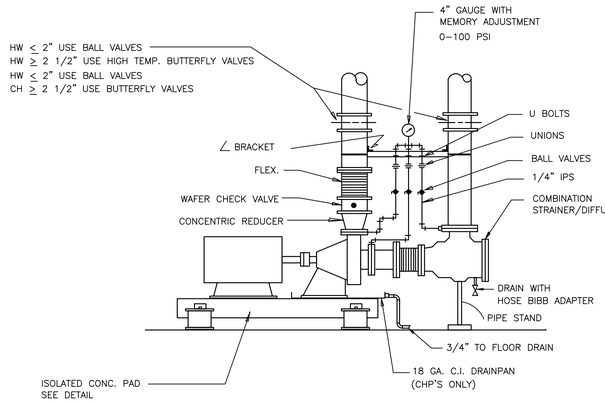
ACCS 2025 130 ESCC
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STATE OF ALABAMA
JAMES S. DAVIS JR.
No. 14178
PROFESSIONAL ENGINEER
11/6/26
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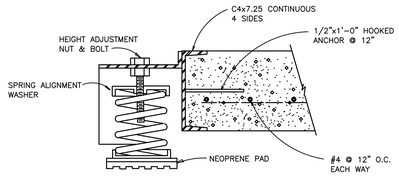
HVAC DETAILS

M4.01

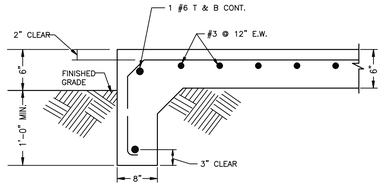
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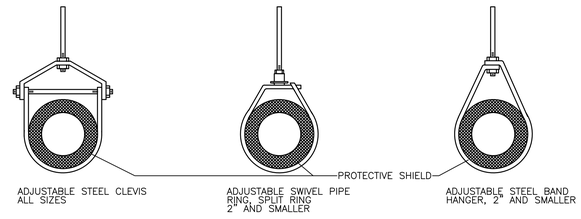
CHP & HWP PIPING DETAIL
NO SCALE



INERTIA BASE
NO SCALE



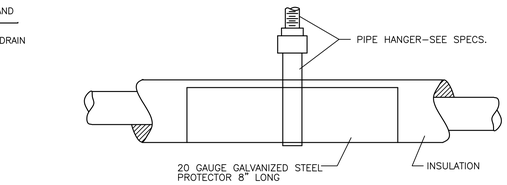
CONCRETE PAD DETAIL
NO SCALE



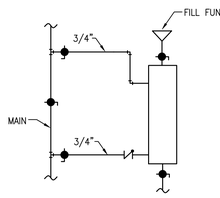
PIPE SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"
ROD DIAMETER	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	5/8"	5/8"	3/4"	7/8"	7/8"	7/8"	1"	1"	1 1/8"	1 1/4"	1 1/4"
SPACING	6'	8'	8'	8'	10'	10'	10'	12'	14'	14'	14'	16'	16'	16'	16'	16'	16'	16'	16'

NOTE: LOCATE ADDITIONAL HANGERS AT VALVES AND AT CHANGES IN DIRECTION.

HANGERS FOR WATER LINES

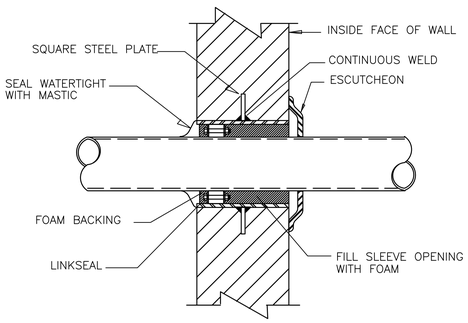


INSULATED LINES



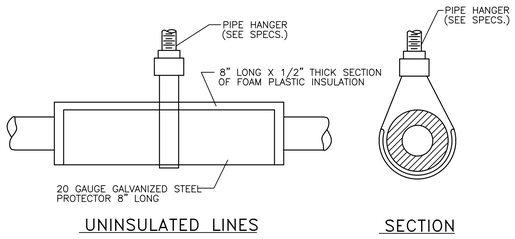
NOTE: FEEDER MAY BE CONNECTED BETWEEN PUMP SUCTION & DISCHARGE LINES.

ONE-SHOT CHEMICAL FEEDER DETAIL
NOT TO SCALE



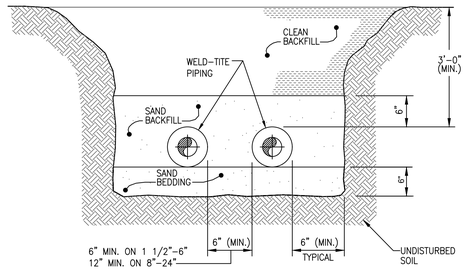
IN EXISTING CONCRETE WALLS, CORE DRILL THE WALL TO PROPER SIZE AND INSTALL LINK–SEAL AND MASTIC.

PIPE SLEEVE FOR OUTSIDE WALL ABOVE OR BELOW GRADE
NO SCALE

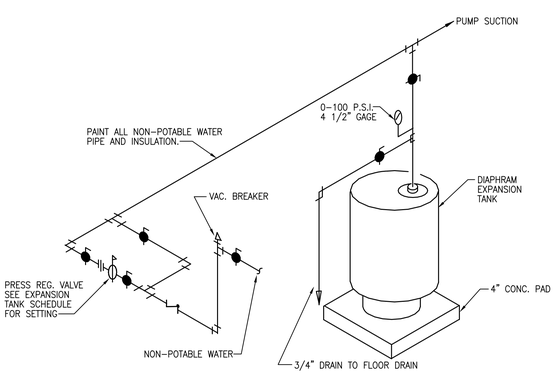


UNINSULATED LINES — SECTION

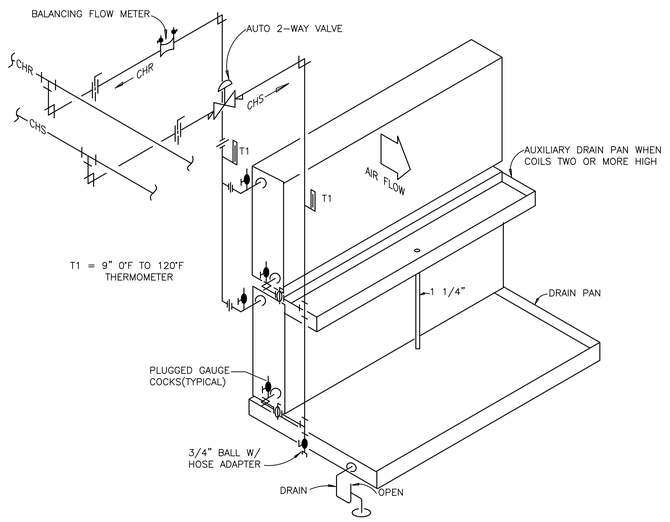
REFRIGERANT LINES HANGERS
NO SCALE



BELOW GRADE PRE-INSULATED CHILLED WATER PIPING TRENCH
NOT TO SCALE



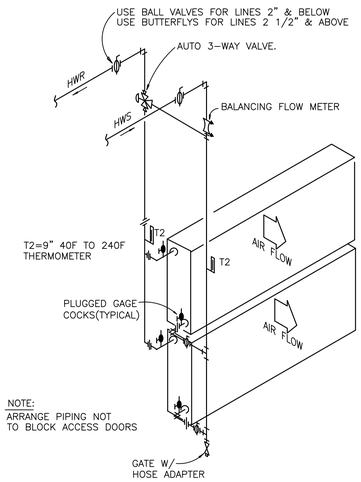
EXPANSION TANK PIPING DETAIL
NOT TO SCALE



CHILLED WATER COIL PIPING DIAGRAM
NO SCALE

NOTES:

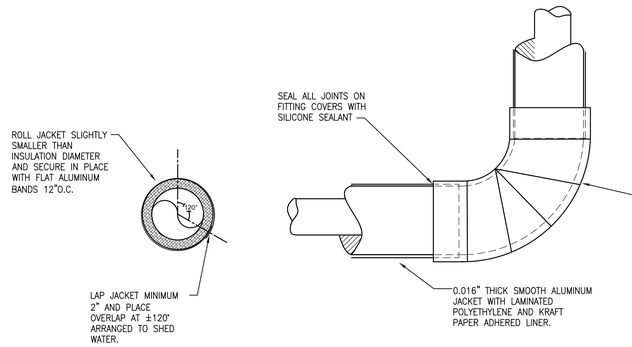
1. INCREASE PIPE SIZE TO 2–1/2" AT WELLS
2. LOCATE UNIONS SO COIL MAY BE REMOVED WITHOUT DISMANTLING PIPING. (TYPICAL)



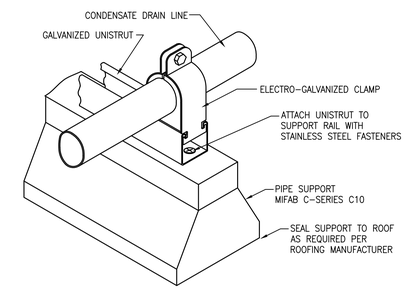
TYPICAL PREHEAT COIL PIPING DIAGRAM
NO SCALE

NOTES:

1. SIMILAR FOR REHEAT COIL PIPING
2. LOCATE UNIONS SO COIL MAY BE REMOVED WITHOUT DISMANTLING PIPING. (TYPICAL)



REFRIGERANT PIPING ALUMINUM JACKET DETAIL
NOT TO SCALE



DRAIN LINE ROOF SUPPORT DETAIL
NOT TO SCALE

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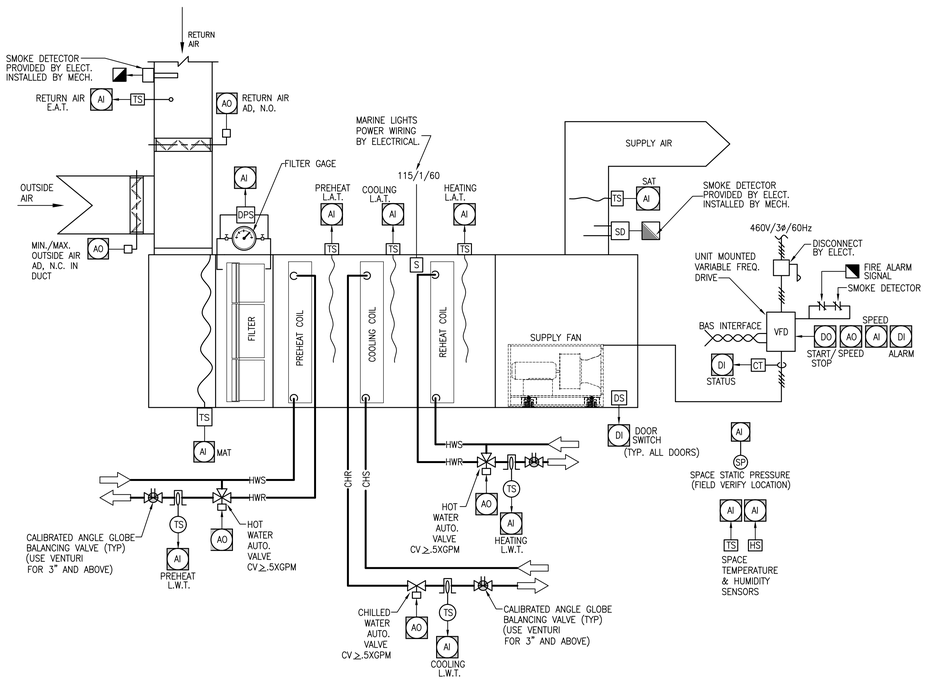
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ALABAMA No. 14178 PROFESSIONAL ENGINEER JAMES S. DAVIS, JR.
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HVAC DETAILS

M4.02

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AHU-1, AHU-2, AHU-3 CONTROLS (WITH REHEAT)

NO SCALE

Sequence of Operation

The Building Automation System (BAS) will send the controller Occupied Bypass, Morning Warm-up/Pre-Cool, Occupied/Unoccupied and Heat/Cool modes. The BAS will also send the discharge air temperature setpoint and the duct static pressure setpoint. If a BAS is not present, or communication is lost with the BAS the controller will operate using default modes and setpoints.

Occupied:

During occupied periods, the supply fan will run continuously and the outside air damper will open to maintain minimum ventilation requirements. The chilled water and hot water valves will modulate to maintain the discharge air temperature setpoint. If the discharge air temperature sensor fails the chilled water and hot water valves will close and an alarm will be annunciated at the BAS.

Unoccupied:

When the space temperature is below the unoccupied heating setpoint of 60.0°F (adj.) the supply fan will start, the outside air damper will remain closed and the hot water valve will open. When the space temperature rises above the unoccupied heating setpoint of 60.0°F (adj.) plus the unoccupied differential of 4.0°F (adj.) the supply fan will stop and the hot water valve will close.

When the space temperature is above the unoccupied cooling setpoint of 85.0°F (adj.) the supply fan will start, the outside air damper will remain closed and the chilled water valve will open. When the space temperature falls below the unoccupied cooling setpoint of 85.0°F (adj.) minus the unoccupied differential of 4.0°F (adj.) the supply fan will stop, the chilled water valve will close and the outside air damper will close.

Optimal Start:

The BAS will monitor the scheduled occupied time, occupied space setpoints and space temperature to calculate when the optimal start occurs.

Morning Warm-Up Mode:

During optimal start, if the average space temperature is below the occupied heating setpoint a morning warm-up mode will be activated. When morning warm-up is initiated the unit will enable the heating and supply fan. The outside air damper will remain closed. When the space temperature reaches the occupied heating setpoint (adj.), the unit will transition to the occupied mode.

Pre-Cool Mode:

During optimal start, if the average space temperature is above the occupied cooling setpoint, pre-cool mode will be activated. When pre-cool is initiated the unit will enable the fan and cooling or economizer. The outside air damper will remain closed, unless economizing. When the space temperature reaches occupied cooling setpoint (adj.), the unit will transition to the occupied mode.

Optimal Stop:

The BAS will monitor the scheduled unoccupied time, occupied setpoints and space temperature to calculate when the optimal stop occurs. When the optimal stop mode is active the unit controller will maintain the space temperature to the space temperature offset setpoint. Outside air damper will remain enabled to provide minimum ventilation.

Occupied Bypass:

The BAS will monitor the status of the "on" and "cancel" buttons of the space temperature sensors. When an occupied bypass request is received from a space sensor, the unit will transition from its current occupancy mode to occupied bypass mode and the unit will maintain the space temperature to the occupied setpoints (adj.).

Supply Fan:

The fan will be off in the unoccupied mode. When the unit controller is in the occupied mode, the supply fan will operate continuously and its speed will be modulated to maintain space temperature. The supply temperature setpoint will be sent by the BAS and will be reset between the minimum and maximum limits to maintain space temperature. In heating mode, supply fan speed shall be set to 50% supply air.

If the supply fan fails to prove status for 30 seconds (adj.), the fan will be commanded off, the outside air damper will close, all valves will close and an alarm will be annunciated at the BAS. A manual reset will be required to restart the fan. A hardwired, high static pressure cut-off switch will be electrically interlocked with the variable speed drive. If the high static pressure cut-off switch is tripped the fan will stop, the outside air damper will close, all valves will close and an alarm will be annunciated at the BAS. A manual reset of the high static pressure cut-off switch will be required to restart the fan.

Mixed Air Low Limit:

The initial damper opening rate will be limited to 2% per minute (adj.) until the damper has reached its minimum ventilation position. The outside air damper will modulate to a position less than the minimum damper position if the mixed air temperature drops below 50.0°F (adj.). If the mixed air temperature sensor fails an alarm will be annunciated at the BAS and the outside air damper will return to the minimum position.

Economizer:

When outside enthalpy in less than return air/space enthalpy, the minimum/maximum outside air damper shall modulate open to maximum setpoint and modulate return air damper to 50%.

Humidity Control:

Hot water reheat shall be enabled by BAS when AHU fan status is "on" BAS shall monitor space humidity in the area served by AHU. When space humidity rises above 55% RH (adj.) the reheat coil hot water valve shall modulate open to provide dehumidification.

Freeze Protection:

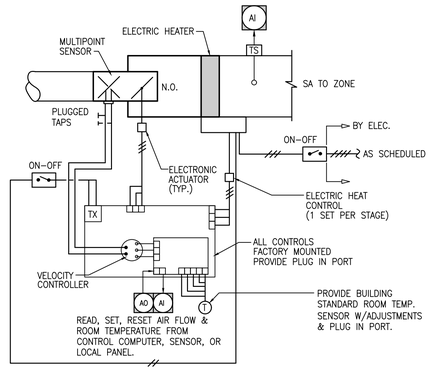
A hardwired, low limit temperature switch will be electrically interlocked with the variable speed drive. If the low limit temperature switch is tripped 38.0°F (adj.), the outside air damper will close, all valves will open to 100% (adjust per climate) and an alarm will be annunciated at the BAS. A manual reset of the low limit temperature switch will be required to restart the fan.

Smoke Detector Shutdown:

The unit will shut down in response to a signal from either smoke detector indicating the presence of smoke. The smoke detectors will be interlocked to the unit through the dry contacts of the smoke detectors. A manual reset of the smoke detectors will be required to restart the unit.

Filter Status:

A differential pressure switch will monitor the differential pressure across the filter when the fan is running. If the switch closes during normal operation a dirty filter alarm will be annunciated at the BAS.



TERMINAL UNIT CONTROL SEQUENCES:

WHEN THE SPACE TEMPERATURE EXCEEDS SETPOINT (72°F–ADJUSTABLE), THE DAMPER SHALL MODULATE FROM MINIMUM AIR FLOW TO MAXIMUM COOLING AIR FLOW. AS THE SPACE TEMPERATURE DROPS BELOW SETPOINT, THE DAMPER SHALL MODULATE FROM MAXIMUM AIR FLOW TO MINIMUM AIR FLOW. IF THE SPACE TEMPERATURE CONTINUES TO DROP, THE AIR VALVE SHALL MODULATE TO HEATING CFM AND THE ELECTRIC HEATING COIL SHALL STAGED ON TO MAINTAIN SPACE TEMPERATURE SETPOINT.

TYPICAL VAVR TERMINAL UNIT CONTROLS DIAGRAM

NOT TO SCALE

VAVR TERMINAL UNIT CONTROL SEQUENCE:

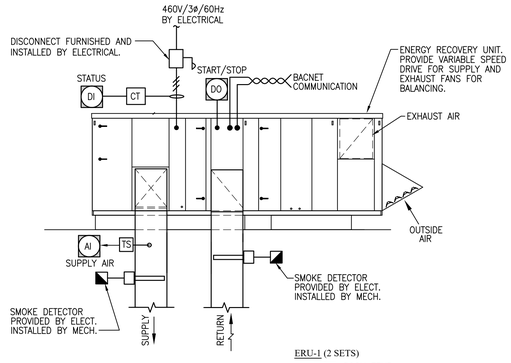
PROVIDE A 2°F MINIMUM DEADBAND BETWEEN THE HEATING AND COOLING SPACE TEMPERATURE SETPOINTS. WHEN THE SPACE TEMPERATURE IS IN THE DEADBAND, THE VAVR SHALL PROVIDE MINIMUM COOLING AIRFLOW AND THE REHEAT COIL CONTROL OUTPUT IS SET TO 0%.

COOLING MODE:

1. ON A RISE IN SPACE TEMPERATURE ABOVE THE COOLING SETPOINT THE LOCAL CONTROLLER SHALL SHIFT INTO COOLING CONTROL LOGIC AFTER AN ADJUSTABLE TIME DELAY (5 MIN).
2. AFTER THE TIME DELAY HAS EXPIRED AND THE MODE HAS CHANGED TO COOLING, THE FLOW SETPOINT SHALL CHANGE TO THE COOLING MINIMUM CFM SETPOINT.
3. ON AN INCREASE IN THE ZONE PID COOLING OUTPUT, THE VOLUME CONTROL SHALL INCREASE FROM THE MINIMUM COOLING FLOW TO THE MAXIMUM COOLING FLOW.
4. ON A DECREASE IN THE ZONE PID COOLING OUTPUT, THE INVERSE CONTROL SHALL OCCUR AND REDUCE THE COOLING FLOW FROM MAXIMUM COOLING FLOW TO MINIMUM COOLING FLOW. ON A FURTHER REDUCTION IN ZONE TEMPERATURE BELOW THE ZONE HEATING SETPOINT THE VAVR CONTROLLER SHALL SHIFT THE MODE TO THE HEATING CONTROL LOGIC AFTER AN ADJUSTABLE TIME DELAY (5 MIN).

HEATING MODE:

1. ON A DROP IN SPACE TEMPERATURE BELOW THE HEATING SETPOINT THE ZONE PID CONTROL HEATING OUTPUT WILL INCREASE.
2. ON AN INCREASE IN THE ZONE PID HEATING OUTPUT FROM 0% – 50% THE REHEAT PID DISCHARGE SETPOINT WILL INCREASE FROM MINIMUM TO MAXIMUM DISCHARGE AIR TEMPERATURE SETPOINT. THE BOX CONTROLLER WILL MODULATE THE REHEAT FROM 0% –100% IN RESPONSE TO THE PID HEATING OUTPUT.
3. WITH THE HEATING CONTROL OUTPUT AT 100% AND ON A FURTHER INCREASE IN THE ZONE PID HEATING OUTPUT FROM 50% – 100% THE VOLUME CONTROL SHALL INCREASE FROM THE MINIMUM HEATING AIRFLOW TO THE MAXIMUM HEATING AIRFLOW. TERMINAL AIRFLOW SETTINGS AT ALL TIMES TO BE SUBJECT TO A MINIMUM AIRFLOW LIMIT OF 70 CFM PER KW.
4. ON AN INCREASE IN ZONE TEMPERATURE THE INVERSE CONTROL WILL OCCUR FIRST REDUCING HEATING AIR VOLUME FROM MAXIMUM TO MINIMUM HEATING AIRFLOW (SUBJECT TO 70 CFM/KW LIMIT), THEN REDUCING THE REHEAT PID LOOP SETPOINT AND REHEAT COIL OUTPUT FROM MAXIMUM TO MINIMUM. WITH THE ZONE PID TEMPERATURE WITHIN THE DEADBAND REGION AND THE ZONE HEATING OUTPUT AT 0%, THE VAVR BOX WILL OPERATE AT MINIMUM HEATING FLOW WITH MINIMUM REHEAT PID SETPOINT.



ERU-1 CONTROLS DIAGRAM

NOT TO SCALE

GENERAL CONTROLS NOTES:

THE CONTRACTOR SHALL PROVIDE ALL CONTROLS AS REQUIRED TO INCLUDE ALL CONTROL PANELS, WIRING, CONDUIT, CONTROL SEQUENCES, POWER WIRING AND COMPONENTS NECESSARY TO PROVIDE A COMPLETE AND OPERATING SYSTEM. ALL CONTROL WIRING SHALL BE INSTALLED IN CONDUIT IN ACCORDANCE WITH THE ELECTRICAL DRAWINGS AND SPECIFICATIONS.

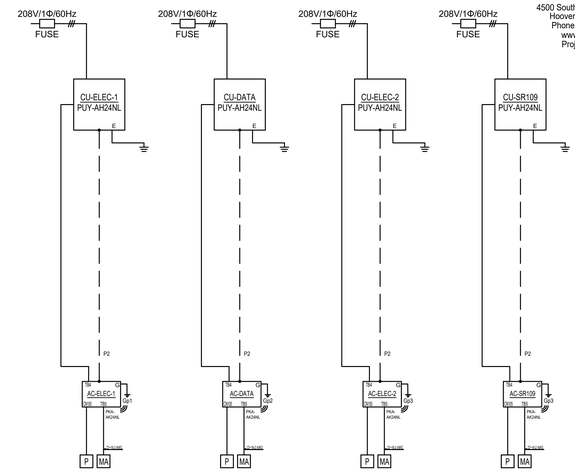
UNIT IS TO BE CONTROLLED BY THE FACTORY MOUNTED CONTROLLER. IT WILL INTERFACE WITH THE BUILDING AUTOMATION SYSTEM (BAS) THROUGH THE UNIT COMMUNICATION BOARD VIA BACNET IP OR AS DETERMINED BY THE CONTROLS CONTRACTOR. THE BAS WILL SEND THE CONTROLLER OCCUPIED, OPTIMAL START/STOP, NIGHT HEAT/COOL AND TIMED OVERRIDE COMMANDS. THE BAS WILL ALSO SEND A SPACE TEMPERATURE SETPOINT.

CONTROL SEQUENCES:

THE UNIT CONTROLLER SHALL SHALL START THE FAN FOR SCHEDULED OCCUPIED MODE OR WHEN OCCUPANCY SENSOR IS ACTIVATED THROUGH A FACTORY MOUNTED VARIABLE SPEED CONTROLLER, MODULATE THE VARIABLE SPEED CONTROLLERS TO MAINTAIN SUPPLY AND EXHAUST AIR CFM AS DETERMINED BY THE TEST AND BALANCE CONTRACTOR, MODULATE THE DIGITAL SCROLL COMPRESSORS TO MAINTAIN SPACE TEMPERATURE AND MODULATE THE HOT GAS REHEAT AND ELECTRIC HEAT IN THE DEHUMIDIFICATION MODE TO MAINTAIN SPACE RELATIVE HUMIDITY AT 50% RH +– 5% (ADJ).

IN THE HEATING MODE THE CONTROLLER SHALL MODULATE ELECTRIC HEAT TO MAINTAIN HEATING SPACE TEMPERATURE SETPOINT.

IN THE EVENT OF A FIRE ALARM IN THE BUILDING THE UNIT SHALL SHUT DOWN.



VRF SYSTEM REFRIGERANT PIPING AND CONTROLS SCHEMATIC

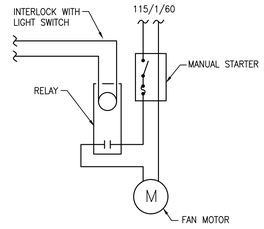
NO SCALE

GENERAL NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCHES FOR ALL INDOOR UNITS AND OUTDOOR UNITS. DISCONNECT SWITCHES SHALL BE INSTALLED AND WIRED BY ELECTRICAL.
2. ALL CONTROLS WIRING BETWEEN INDOOR UNITS AND OUTDOOR UNITS SHALL BE BY THE MECHANICAL CONTRACTOR.
3. ALL POWER AND CONTROLS WIRING SHALL BE PROVIDED AND INSTALLED IN STRICT COMPLIANCE WITH THE SYSTEM MANUFACTURER'S INSTALLATION RECOMMENDATIONS AND REQUIREMENTS WHETHER SHOWN ON THE DRAWINGS OR NOT.

VRF SYSTEM PIPING NOTES:

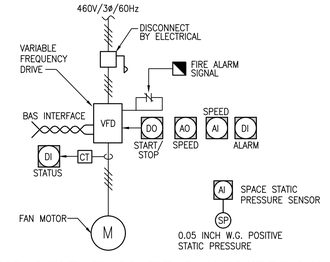
1. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL REFRIGERANT AS REQUIRED BASED ON ACTUAL PIPING SIZES AND LINE LENGTHS. COORDINATE ALL REFRIGERANT REQUIREMENTS WITH VRF EQUIPMENT MANUFACTURER.
2. ALL REFRIGERANT PIPING SHALL BE INSULATED AS SPECIFIED AND IN ACCORDANCE WITH 2015 INTERNATIONAL ENERGY CONSERVATION CODE AND ASHRAE 90.1. PRE-INSULATED PIPING CLAMPS SHALL BE PROVIDED AND INSTALLED ON ALL REFRIGERANT PIPING.
3. THE MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL PIPING LABELS ON ALL REFRIGERANT PIPING AS SPECIFIED.
4. THE MECHANICAL CONTRACTOR SHALL LABEL ALL PORTS AND REFRIGERANT PIPING WITH INDOOR AC UNIT AND OUTDOOR UNIT SERVED.
5. THE VRF SYSTEM MANUFACTURER SHALL PROVIDE DRAWINGS AND SUBMITTALS OF COMPLETE FINAL PIPING LINE SIZES, LENGTHS, ELBOWS, ETC. IN ACCORDANCE WITH ALL MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS. DRAWINGS SHALL INCLUDE ALL WIRING AND PIPING TYPE, SIZES, ETC. MECHANICAL CONTRACTOR SHALL COORDINATE ALL SIZES SHOWN ON PLANS WITH ACTUAL EQUIPMENT TO BE PROVIDED.



EF-1 EXHAUST FAN CONTROLS DIAGRAM

NOT TO SCALE

***TYPICAL FOR EF-2, EF-3, EF-4, AND EF-6.



EXHAUST FAN EF-5 CONTROLS

NO SCALE

EXHAUST FAN EF-5 CONTROL SEQUENCE:

THE EXHAUST FAN SHALL RUN WITH AHU–2.

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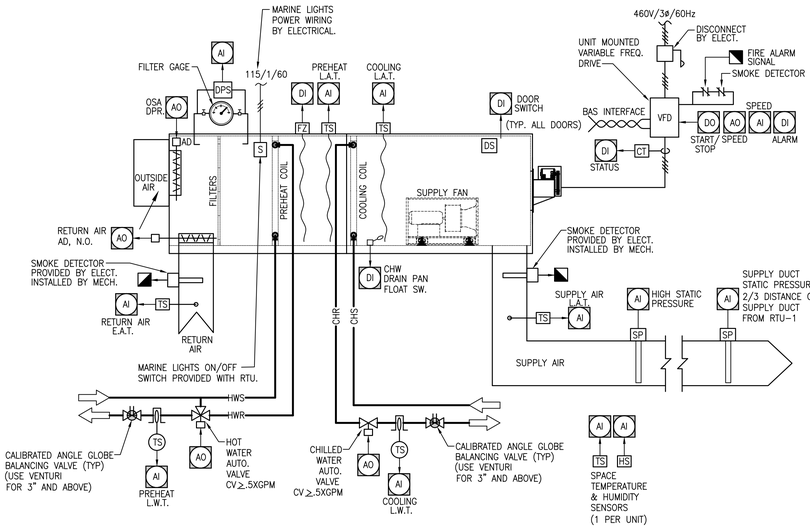
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HVAC CONTROLS

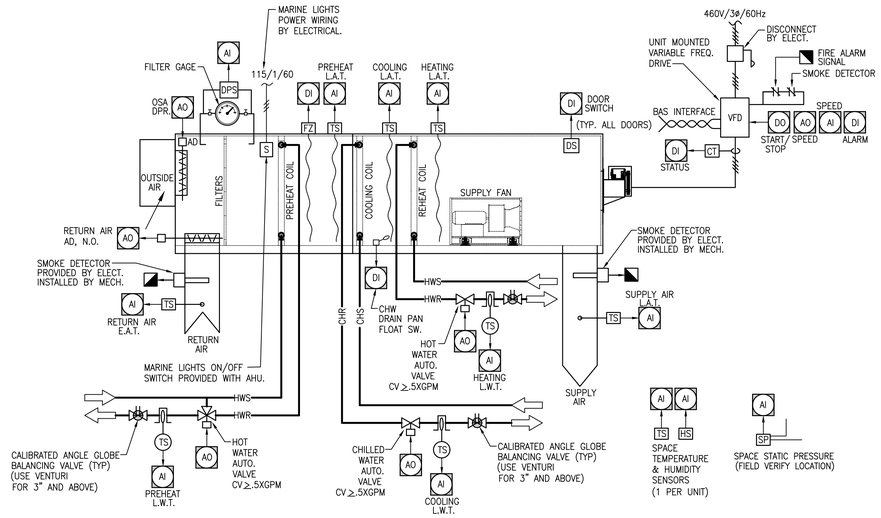
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RTU-1 CONTROLS (NO REHEAT)

NO SCALE



RTU-2 AND RTU-3 CONTROLS (WITH REHEAT)

NO SCALE

RTU-1, RTU-2 , & RTU-3 Sequence of Operation

The Building Automation System (BAS) will send the controller Occupied Bypass, Morning Warm-up/Pre-Cool, Occupied/Unoccupied and Heat/Cool modes. The BAS will also send the discharge air temperature setpoint and the duct static pressure setpoint. If a BAS is not present, or communication is lost with the BAS the controller will operate using default modes and setpoints.

Occupied:
During occupied periods, the supply fan will run continuously and the outside air damper will open to maintain minimum ventilation requirements. The chilled water and hot water valves will modulate to maintain the discharge air temperature setpoint. If the discharge air temperature sensor fails the chilled water and hot water valves will close and an alarm will be annunciated at the BAS.

Unoccupied:
When the space temperature is below the unoccupied heating setpoint of 60.0°F (adj.) the supply fan will start, the outside air damper will remain closed and the hot water valve will open. When the space temperature rises above the unoccupied heating setpoint of 60.0°F (adj.) plus the unoccupied differential of 4.0°F (adj.) the supply fan will stop and the hot water valve will close.

When the space temperature is above the unoccupied cooling setpoint of 85.0°F (adj.) the supply fan will start, the outside air damper will remain closed and the chilled water valve will open. When the space temperature falls below the unoccupied cooling setpoint of 85.0°F (adj.) minus the unoccupied differential of 4.0°F (adj.) the supply fan will stop, the chilled water valve will close and the outside air damper will close.

Optimal Start:
The BAS will monitor the scheduled occupied time, occupied space setpoints and space temperature to calculate when the optimal start occurs.

Morning Warm-Up Mode:
During optimal start, if the average space temperature is below the occupied heating setpoint a morning warm-up mode will be activated. When morning warm-up is initiated the unit will enable the heating and supply fan. The outside air damper will remain closed. When the space temperature reaches the occupied heating setpoint (adj.), the unit will transition to the occupied mode.

Pre-Cool Mode:
During optimal start, if the average space temperature is above the occupied cooling setpoint, pre-cool mode will be activated. When pre-cool is initiated the unit will enable the fan and cooling or economizer. The outside air damper will remain closed, unless economizing. When the space temperature reaches occupied cooling setpoint (adj.), the unit will transition to the occupied mode.

Optimal Stop:
The BAS will monitor the scheduled unoccupied time, occupied setpoints and space temperature to calculate when the optimal stop occurs. When the optimal stop mode is active the unit controller will maintain the space temperature to the space temperature offset setpoint. Outside air damper will remain enabled to provide minimum ventilation.

Occupied Bypass:
The BAS will monitor the status of the "on" and "cancel" buttons of the space temperature sensors. When an occupied bypass request is received from a space sensor, the unit will transition from its current occupancy mode to occupied bypass mode and the unit will maintain the space temperature to the occupied setpoints (adj.).

Supply Fan:
The fan will be off in the unoccupied mode. When the unit controller is in the occupied mode, the supply fan will operate continuously and its speed will be modulated to maintain the duct static pressure setpoint. The duct static pressure setpoint will be sent by the BAS and will be reset between the minimum and maximum static pressure limits to maintain the zone VAV air dampers in a position between 65% and 75% open. RTU-2 & RTU-3 fans shall modulate to maintain space temperature for occupied heating and cooling setpoints and humidity setpoint

If the supply fan fails to prove status for 30 seconds (adj.), the fan will be commanded off, the outside air damper will close, all valves will close and an alarm will be annunciated at the BAS. A manual reset will be required to restart the fan. A hardwired, high static pressure cut-off switch will be electrically interlocked with the variable speed drive. If the high static pressure cut-off switch is tripped the fan will stop, the outside air damper will close, all valves will close and an alarm will be annunciated at the BAS. A manual reset of the high static pressure cut-off switch will be required to restart the fan.

Mixed Air Low Limit:
The initial damper opening rate will be limited to 2% per minute (adj.) until the damper has reached its minimum ventilation position. The outside air damper will modulate to a position less than the minimum damper position if the mixed air temperature drops below 50.0°F (adj.). If the mixed air temperature sensor fails an alarm will be annunciated at the BAS and the outside air damper will return to the minimum position.

Economizer:
When outside enthalpy in less than return air/space enthalpy, the minimum/maximum outside air damper shall modulate open to maximum setpoint and modulate return air damper to maintain 55°F (ADJ.) mixed air temperature.

Humidity Control: (RTU-2 AND RTU-3 ONLY)
Hot water reheat shall be enabled by BAS when RTU-2 and RTU-3 fan status is "on" BAS shall monitor space humidity in the area served by RTU-2 and RTU-3. When space humidity rises above 55% RH (adj.) the reheat coil hot water valve shall modulate open to provide dehumidification.

Freeze Protection:
A hardwired, low limit temperature switch will be electrically interlocked with the variable speed drive. If the low limit temperature switch is tripped 38.0°F (adj.), the outside air damper will close, all valves will open to 100% (adjust per climate) and an alarm will be annunciated at the BAS. A manual reset of the low limit temperature switch will be required to restart the fan.

Smoke Detector Shutdown:
The unit will shut down in response to a signal from either smoke detector indicating the presence of smoke. The smoke detectors will be interlocked to the unit through the dry contacts of the smoke detectors. A manual reset of the smoke detectors will be required to restart the unit.

Filter Status:
A differential pressure switch will monitor the differential pressure across the filter when the fan is running. If the switch closes during normal operation a dirty filter alarm will be annunciated at the BAS.

Exception:
RTU-2 and RTU-3 is a single zone VAV unit with reheat and will not have controls associated with VAV boxes.

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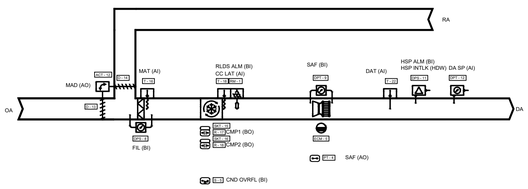
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HVAC CONTROLS

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Flow Diagram: AC-1 & AC-2



Points List: AC-1 & AC-2

Point Name	POINTS											ALARMS					
	GRAPHIC	ANALOG HARDWARE INPUT (AI)	BINARY HARDWARE INPUT (BI)	ANALOG HARDWARE OUTPUT (AO)	BINARY HARDWARE OUTPUT (BO)	SOFTWARE POINT (SFT)	HARDWARE INTERLOCK (HDW)	WIRELESS (WLS)	NETWORK (NET)	HIGH ANALOG LIMIT	LOW ANALOG LIMIT	BINARY	LATCH DIAGNOSTIC	SENSOR FAIL	COMMUNICATION FAIL
COMPRESSOR 1 COMMAND CMP1	X				X										
COMPRESSOR 2 COMMAND CMP2	X				X										
CONDENSATE OVERFLOW DETECTION LOCAL CND OVRFL	X		X									X	X		
COOLING COIL LEAVING TEMPERATURE CC LAT	X	X								X	X			X	
DISCHARGE AIR TEMPERATURE DAT	X	X								X	X			X	
DISCHARGE AIR STATIC PRESSURE LOCAL DA SP	X	X								X			X	X	
FILTER STATUS FIL	X		X									X			
HIGH STATIC ALARM HSP ALM	X		X									X	X		
HIGH STATIC ALARM INTERLOCK HSP INTLK							X								
MIXED AIR DAMPER COMMAND MAD	X			X											
MIXED AIR TEMPERATURE LOCAL MAT	X	X								X				X	
REFRIGERANT LEAK DETECTION SYSTEM INPUT RLDS ALM			X									X			
RETURN AIR TEMPERATURE LOCAL RAT	X	X													
SUPPLY FAN SPEED COMMAND SAF	X			X											
SUPPLY FAN START STOP COMMAND SAF	X				X										
SUPPLY FAN STATUS SAF	X		X												
BAS COMMUNICATION STATE BAS COM						X									X
DISCHARGE AIR COOLING SETPOINT DA CL SP						X									
DISCHARGE AIR HEATING SETPOINT DA HT SP						X									
MAINTENANCE REQUIRED MNT REQ						X						X			
MIXED AIR TEMPERATURE LOW LIMIT SETPOINT MA LLT STPT						X									
OCCUPIED COOLING SETPOINT OCC CLG STPT	X					X									
SUPPLY FAN FAILURE SF FAIL	X					X						X			
UNOCCUPIED COOLING SETPOINT UNOCC CLG STPT	X					X									

Sequence of Operation: AC-1 & AC-2

Building Automation System Interface:

The Building Automation System (BAS) shall send the controller Occupied Bypass, Pre-Cool, Occupied/Unoccupied and Heat/Cool modes. The BAS shall also send the discharge air temperature setpoint and the duct static pressure setpoint. If a BAS is not present, or communication is lost with the BAS the controller shall operate using default modes and setpoints.

Occupied:

During occupied periods, the supply fan shall run continuously and the mixed air dampers shall open to maintain minimum ventilation requirements. In the cooling mode the DX coil shall stage the compressors to control the discharge air setpoint. to control the discharge air setpoint. the cooling If the discharge air temperature sensor fails, the supply fan shall be disabled, the DX cooling should be disabled, the outdoor air should close, and an alarm should annunciate at the BAS.

Unoccupied:

During the unoccupied periods, the supply fan shall be disabled, the outside air damper shall close, the mechanical cooling shall be disabled, to conserve energy.

Optimal Stop:

Outside air damper shall remain enabled to provide minimum ventilation.

Heat/Cool Mode:

When the average space temperature rises above the occupied cooling setpoint the mode shall transition to cooling. When the average space temperature falls below the occupied heating setpoint the mode shall transition to heating. When the average space temperature is below the occupied cooling setpoint and above the occupied heating setpoint the mode shall remain in its last state. If the average space temperature sensor fails, the mode shall default to heating and an alarm shall annunciate at the BAS.

Morning Warm-Up Mode:

During optimal start, if the average space temperature is below the occupied heating setpoint a morning warm-up mode shall be activated. The outside air damper shall remain closed.

Daytime Warm-Up Control:

During Occupied periods, when the space temperature is below the Daytime Warm-up Initiate setpoint, a daytime warm-up sequence shall be activated. The outside air damper shall modulate to maintain minimum ventilation requirements, and the heating shall enable to maintain the discharge air temperature heating setpoint. Daytime Warm-up shall terminate when the average space temperature reaches the Occupied heating setpoint.

Pre-Cool Mode:

During optimal start, if the average space temperature is above the occupied cooling setpoint, pre-cool mode shall be activated. When pre-cool is initiated the unit shall enable the fan and cooling. The outside air damper shall remain closed. When the space temperature reaches occupied cooling setpoint (adj.), the unit shall transition to the occupied mode.

Supply Fan:

The supply fan shall be off in the unoccupied mode. The supply fan shall be on if the control is heating or cooling in the unoccupied mode. When the controller is in the occupied mode, the supply fan shall operate continuously. The supply fan speed shall be modulated to maintain the duct static pressure setpoint. The duct static pressure setpoint shall be sent by the BAS and is reset between the minimum and maximum static pressure limits to maintain the critical zone VAV air damper in a position between 65% and 75% open. If the supply fan fails to prove status for 30 seconds (adj.), the fan shall remain commanded on, the outside air damper shall close, cooling shall be disabled, and an alarm shall annunciate at the BAS. Once the fan status is proven on, the alarm on the supply fan shall clear. A hardwired, high static pressure cut-off switch shall be electrically interlocked with the variable speed drive. If the high static pressure cut-off switch is tripped the fan shall be commanded off, cooling should be disabled, and an alarm shall annunciate at the BAS. A manual reset of the high static pressure cut-off switch shall be required to restart the fan.

Low Limit Temperature Control:

The initial damper opening rate shall be limited to 2% per minute (adj.) until the damper has reached its minimum ventilation position. The outside air damper shall modulate to a position less than the minimum damper position if the mixed air temperature drops below 45.0 deg. F (adj.). If the mixed air temperature sensor fails an alarm shall annunciate at the BAS and the outside air damper shall close.

Discharge Air Temperature Control:

The discharge air temperature shall be controlled to a fixed setpoint of 55 deg F (adj.).

If the discharge air temperature drops below the minimum limit, a low temperature alarm shall annunciate to the BAS.

Refrigerant Mitigation Mode

The unit controller shall monitor the leak detection system every 5 seconds, when a leak is detected, mitigation shall be activated. In occupied mode, the supply fan shall remain operational, and the compressor(s) shall be disabled for the duration of the mitigation process plus an additional 5 minutes.
In unoccupied mode, the supply fan shall activate within 15 seconds while the compressor(s) shall be disabled for the duration of the mitigation process plus an additional 5 minutes.

Condensate Overflow Monitoring:

If the condensate level reaches the trip point, a condensate overflow diagnostic shall annunciate at the BAS. To prevent the condensate drain pan from overflowing and causing water damage to the building the fan shall be disabled and the DX cooling shall be disabled.

Filter Status:

A differential pressure switch shall monitor the differential pressure across the filter(s) when the fan is running. If the switch closes during normal operation a dirty filter alarm shall annunciate at the BAS.

AC-1 AND AC-2 CONTROLS

NO SCALE

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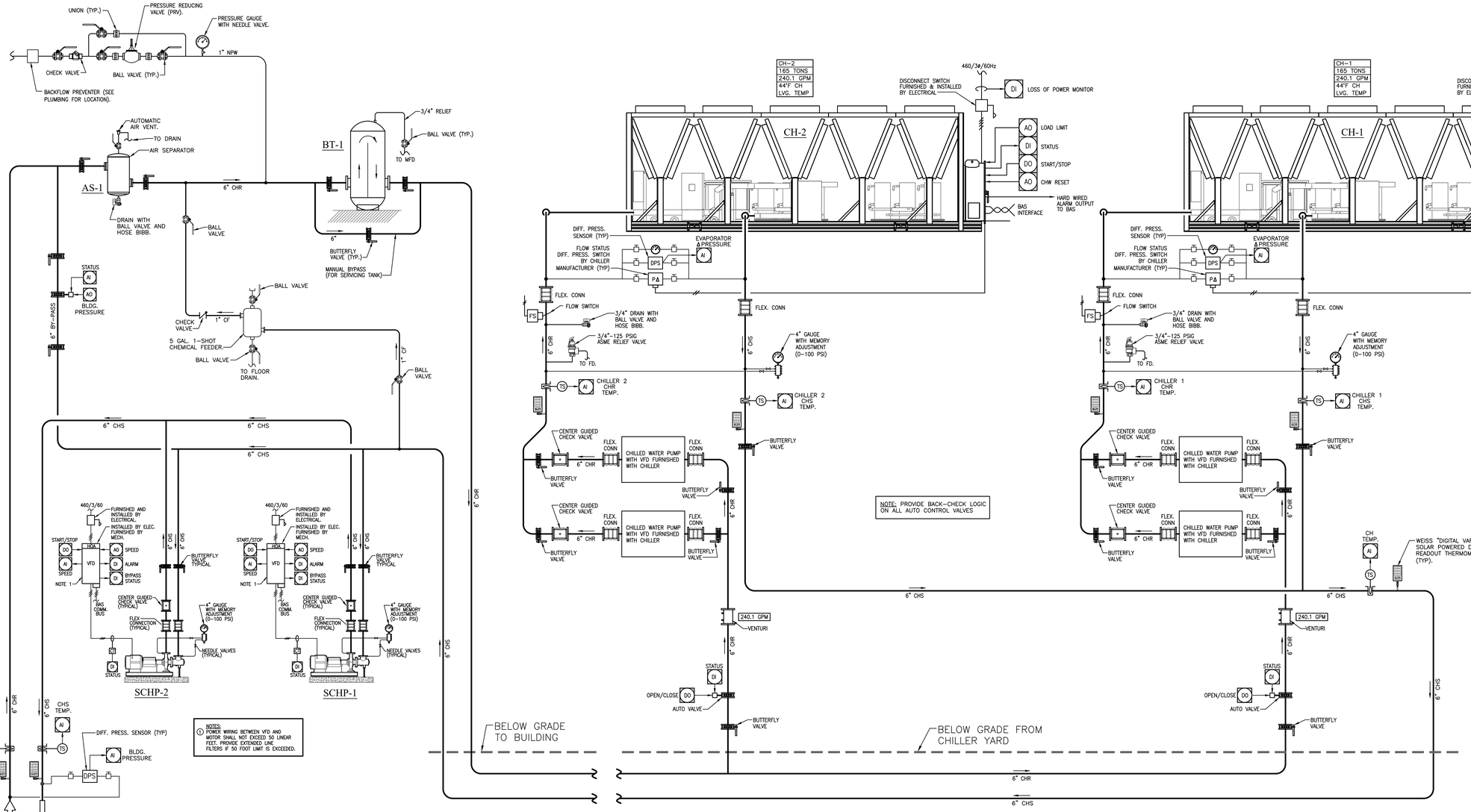
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HVAC CONTROLS

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CHILLED WATER PIPING AND INSTRUMENTATION DIAGRAM

NO SCALE

CHILLED WATER SYSTEM CONTROLS SEQUENCES:

GENERAL:

THE SYSTEM IS PROVIDED WITH TWO CHILLED WATER PUMPS. THE CHILLERS AND PUMPS SHALL BE CONTROLLED IN A LEAD/LAG CONFIGURATION BASED ON LOAD AND RUN TIME. THE BAS CONTROLLER SHALL INITIATE LEAD/LAG CHILLER START-UP SUBJECT TO CHILLER SCHEDULE, ALL INTERNAL CHILLER SAFETIES, CHILLED WATER SET POINTS, CURRENT LIMITING SET POINTS, ALARMS AND LOAD LIMITING. CHILLER LOAD LIMITS SHALL BE ABLE TO BE MODIFIED BY BMS FOR LEAD/LAG/CHANGEOVER SEQUENCING. THE CHILLED WATER PLANT IS PROVIDED WITH TWO CHILLERS IN A LEAD/LAG CHILLER SEQUENCE. THE LEAD/LAG CHILLER SEQUENCE SHALL ALSO APPLY FOR CHILLER MAINTENANCE AND EQUAL RUN TIME ROTATION.

LEAD CHILLER START-UP:

THAT BAS SHALL OPEN THE LEAD CHILLER ISOLATION VALVE AND ONCE THE VALVE IS CONFIRMED 100% OPEN BY THE VALVE END SWITCH START LEAD CHILLED WATER PUMP. IF THE END SWITCH IS NOT ENGAGED PROVING THE VALVE IS OPEN OR IF THE CHILLER IS NOT CONFIRMED AS RUNNING BY THE BAS AFTER 5 MINUTES (ADJ.), THE BAS SHALL ALARM THE WORKSTATION AND CONSIDER THE CHILLER FAILED. IF THE LEAD CHILLED WATER PUMP FAILS AS INDICATED BY THE PUMP CURRENT TRANSDUCER THE BAS SHALL START THE LAG CHILLER AND ALARM THE BAS WORKSTATION. ONCE FLOW HAS BEEN PROVEN VIA THE EVAPORATOR DIFFERENTIAL PRESSURE SWITCH, THE BAS SHALL START THE LEAD CHILLER. SEE FLOW RATE CONTROL FOR PUMPING AND BYPASS VALVE CONTROL SEQUENCING. THE LEAVING EVAPORATOR TEMPERATURE SHALL BE MAINTAINED AT 45°F BY THE INTERNAL CHILLER CONTROLS AND VERIFIED VIA THE BAS SUPPLY CHILLED WATER TEMPERATURE SENSOR. IF THE LEAD CHILLER EXCEEDS 90% RUNNING LOAD AMPS FOR 20 MINUTES, THE START SEQUENCE FOR THE LAG CHILLER SHALL BE ACTIVATED.

IF AT ANY TIME THE CHILLED WATER SUPPLY SETPOINT EXCEEDS THE MAXIMUM SUPPLY CHILLED WATER SETPOINT (50°F ADJUSTABLE) AT THE COMMON CHILLED WATER SUPPLY TEMPERATURE SENSOR FOR A PERIOD OF 10 MINUTES (ADJUSTABLE) THE BAS SHALL GENERATE A HIGH CHILLED WATER TEMPERATURE ALARM.

LAG CHILLER START-UP:

THE BAS SHALL TEMPORARILY UNLOAD LEAD CHILLER BY IMPOSING A 50% DEMAND LIMIT TO MINIMIZE HYDRAULIC SYSTEM FLOW EFFECTS. ONCE THE LEAD CHILLER UNLOADS TO 50% RUNNING LOAD AMPS THE BAS SHALL SLOWLY OPEN LAG CHILLER ISOLATION VALVE TO FULL OPEN POSITION AND AFTER A 5 MINUTE TIME DELAY FOR VALVE TO FULLY OPEN THE BAS SHALL START LAG CHILLED WATER PUMP. ONCE THE LAG CHILLER CHILLED WATER FLOW IS PROVEN VIA AN EVAPORATOR DIFFERENTIAL PRESSURE SWITCH THE BAS SHALL START THE LAG CHILLER. THE CHILLERS SHALL STAGE AS NECESSARY TO MATCH COOLING CAPACITY WITH SYSTEM LOAD.

CHILLED WATER PUMP CONTROLS:

UPON A CALL FOR COOLING AND CHILLER ENABLE THE BAS SHALL SLOWLY INCREASE THE LEAD PUMP SPEED TO REACH AND MAINTAIN THE DESIGN DIFFERENTIAL PRESSURE SET POINT AT THE DIFFERENTIAL PRESSURE MONITORING POINT AS SET BY THE TEST AND BALANCE CONTRACTOR AT STARTUP. AT LOW LOAD CONDITIONS THE BAS SHALL OPEN THE LINEAR FLOW BYPASS VALVE AND LIMIT THE MINIMUM PUMP SPEED AS REQUIRED TO ENSURE THE CHILLED WATER FLOW AT THE CHILLED WATER FLOW METER NEVER DROPS BELOW THE REQUIRED CHILLER MINIMUM FLOW AS DETERMINED BY THE CHILLER MANUFACTURER BASED ON THE NUMBER OF CHILLERS OPERATING. WHEN MULTIPLE PUMPS ARE OPERATING THE BAS SHALL CONTROL THE PUMPS AS REQUIRED TO MATCH THE SPEEDS.

UPON FAILURE OF THE LEAD CHILLED WATER PUMP, THE BAS SHALL ALARM THE WORKSTATION, AND SHALL INITIATE START-UP OF THE LAG CHILLED WATER PUMP. A LEAD/LAG SCHEDULE SHALL ALTERNATE THE PUMPS AND CHILLERS ON A WEEKLY BASIS. IF FOR ANY REASON THE PUMP STATUS AT ITS CURRENT SENSOR DOES NOT MATCH THE BAS COMMAND STATUS FOR 1 MINUTE (ADJUSTABLE) THE BAS SHALL DISABLE THE PUMP, ALARM THE WORKSTATION, AND SHALL START THE LAG CHILLED WATER PUMP. THE BAS SHALL ROTATE THE LEAD/LAG CHILLERS AND PUMPS EVERY WEEK OR AS DIRECTED BY THE OWNER TO EQUALIZE CHILLER AND PUMP RUN TIMES.

LAG CHILLER SHUT DOWN:

IF THE COMBINED RUNNING LOAD AMPS OF THE LEAD AND LAG CHILLERS FALL BELOW 40% FOR 20 MINUTES (ADJUSTABLE), THE LAG CHILLER SHALL BE SHUT DOWN AND THE LAG CHILLER'S ISOLATION VALVE SHALL FULLY CLOSE (5 MINUTE SPAN) AND THE LAG CHW PUMP SHALL SHUT DOWN.

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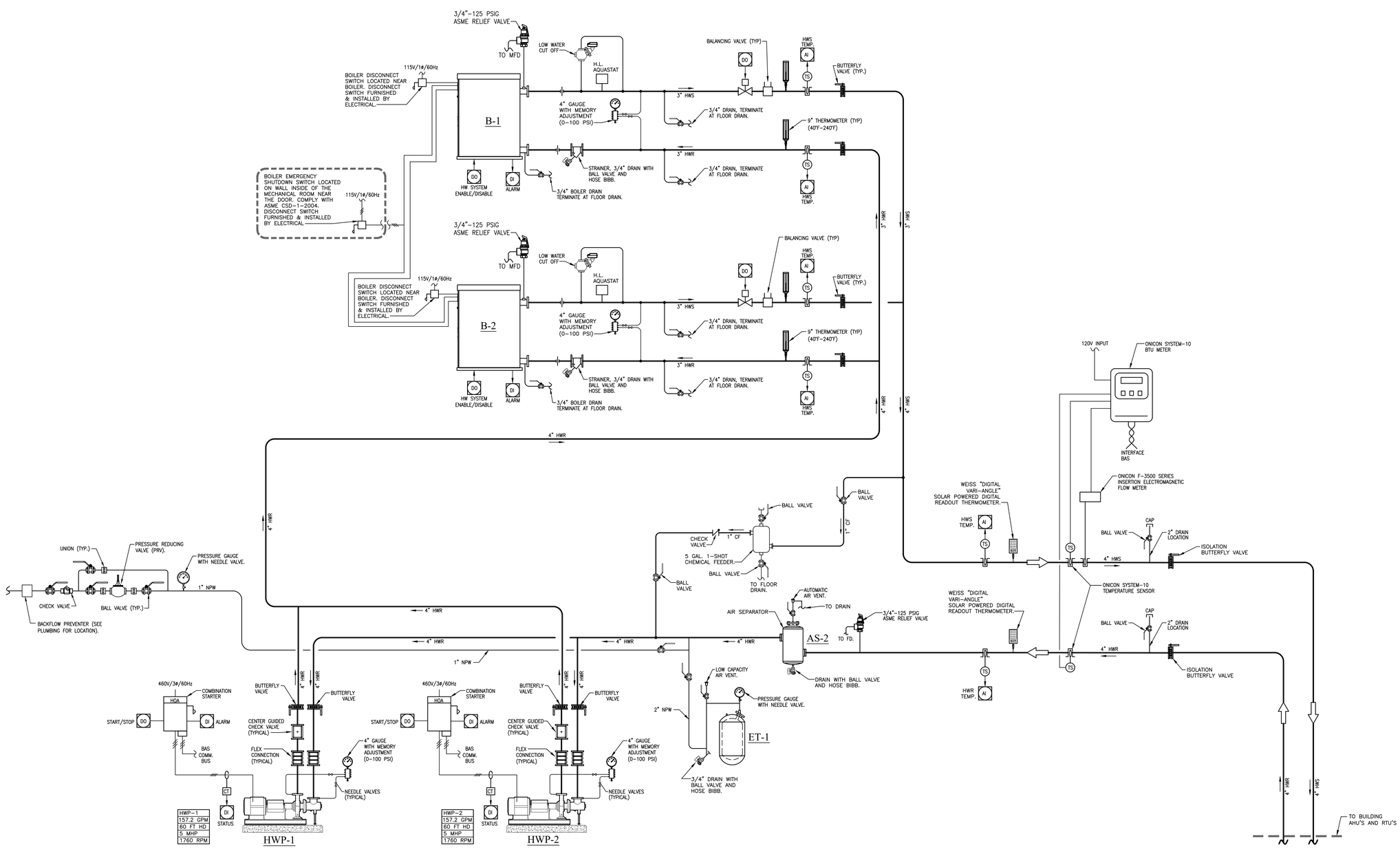
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CHILLED WATER SYSTEM PIPING AND INSTRUMENTATION DIAGRAM

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HOT WATER SYSTEM PIPING AND INSTRUMENTATION DIAGRAM

NOT TO SCALE

HEATING HOT WATER BOILER AND HOT WATER SYSTEM SEQUENCE OF OPERATION

THE BUILDING AUTOMATION SYSTEM (BAS) CONTROLLER WILL CONTROL THE BOILER AND PUMPS BY CONTROLLING THE BOILER'S ENABLE/DISABLE BOILER SIGNAL, OPEN ISOLATION VALVE AND THE SUPPLY HEATING WATER TEMPERATURE SETPOINT (ADJ.).

BOILER CONTROL:
BOILER SEQUENCE WILL BE BASED OFF THE ON-BOARD BOILER CONTROLS AND BAS TO START LAG BOILER AND LEAD HOT WATER PUMP TO MAINTAIN SUPPLY HEATING WATER SETPOINT.

HOT WATER TEMPERATURE VALVE CONTROL:
AFTER VERIFYING HOT WATER PRIMARY PUMP AND LEAD SECONDARY PUMP RUN STATUS, THE HOT WATER BOILER CONTROLS WILL MODULATE TO MAINTAIN A HOT WATER SETPOINT ACCORDING TO THE HOT WATER RESET SCHEDULE.

HOT WATER RESET:
THE HOT WATER SUPPLY TEMPERATURE SETPOINT WILL BE LINEARLY RESET FROM 120.0°F (ADJ.) TO 180.0°F (ADJ.) AS THE OUTSIDE AIR TEMPERATURE FALLS FROM 60.0°F (ADJ.) TO 0.0°F (ADJ.).

HOT WATER DISTRIBUTION PUMP STATUS:
THE BAS CONTROLLER WILL DETECT HOT WATER PUMP RUN STATUS BY A CURRENT SWITCH.

HOT WATER DISTRIBUTION PUMP LEAD/LAG:
THE HOT WATER PUMP LEAD/LAG SEQUENCE WILL BE BASED ON A WEEKLY SCHEDULE. FROM THE BAS WORKSTATION, AN OPERATOR WILL BE ABLE TO MANUALLY CHANGE THE LEAD/LAG SEQUENCE. IF THE LEAD PUMP SPEED FALLS BELOW 40% (ADJ.) FOR FIVE MINUTES (ADJ.) THE LAG PUMP AND BOILER WILL BE DISABLED.

HOT WATER DISTRIBUTION PUMP FAILURE:
IF THE LEAD START/STOP RELAY IS ENABLED AND THE CURRENT SWITCH STATUS IS OFF FOR MORE THAN 30 SECONDS (ADJ.), THE BAS CONTROLLER WILL ANNUNCIATE A HOT WATER PUMP FAILURE ALARM AT THE BAS WORKSTATION AND START THE LAG PUMP. WHEN A HOT WATER PUMP FAILURE EXISTS, LEAD/LAG AUTOMATION WILL BE DISABLED AND THE CURRENTLY RUNNING PUMP BECOMES THE LEAD PUMP. ONCE THE PROBLEM HAS BEEN CORRECTED, THE OPERATOR WILL BE ABLE TO CLEAR THE ALARM FAILURE FROM THE BAS CONTROLLER OR BAS WORKSTATION. THIS ACTION WILL RE-ENABLE THE LEAD/LAG SEQUENCE.

FREEZE PROTECTION:
WHEN THE OUTDOOR AIR TEMPERATURE FALLS BELOW 35.0°F (ADJ.), THE HOT WATER DISTRIBUTION PUMP WILL OPERATE CONTINUOUSLY TO PROVIDE HOT WATER CIRCULATION TO ALL ASSOCIATED HOT WATER COILS. IF THE HOT WATER SUPPLY TEMPERATURE FALLS BELOW 120.0°F (ADJ.) DURING UNOCCUPIED PERIODS, THE BOILER SEQUENCE WILL BE ENABLED TO SAFEGUARD AGAINST LOW WATER TEMPERATURE AND BOILER CONDENSATION.

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HOT WATER SYSTEM PIPING AND INSTRUMENTATION DIAGRAM

M6.02

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PLUMBING LEGEND

	SANITARY, SOIL OR WASTE LINE
	VENT LINE
	COLD WATER LINE (CW)
	HOT WATER LINE (HW)
	HOT WATER RETURN LINE (HWR)
DR	DRAIN (DR)
NPCW	NON-POTABLE COLD WATER (NPCW)
	DEMOLISHED LINE | LINE REMOVED
	GATE VALVE
	BUTTERFLY VALVE
	BALL VALVE
	UNION
	CHECK VALVE
	CIRCUIT SETTER | BALANCING VALVE
	THERMOSTATIC MIXING VALVE
	PUMP
	BALANCING STATION
	PRESSURE REGULATOR (WATER)
	BACKFLOW PREVENTER
	STRAINER
	FLOW ARROW
HA-X	WATER HAMMER ARRESTOR
	PIPE TURNING UP
	PIPE TURNING DOWN
	PIPE BOTTOM TAP
	P-TRAP
	CLEANOUT (FLOOR)
	CLEANOUT (ABOVE SLAB)
	CAP OR PLUG
	POINT OF CONNECTION
	PIPING CONTINUED
	PIPE SLEEVE (AT FOUNDATION WALL)
#	DEMOLITION NOTE
#	DRAWING NOTE | KEY NOTE
#	DRAWING REVISION
HB	HOSE BIBB
WH	WALL HYDRANT
RH	ROOF HYDRANT
DCO	DECK CLEANOUT (TRAFFIC RATED)
HD	HUB DRAIN
FD	FLOOR DRAIN
MFD	MECHANICAL FLOOR DRAIN
SD	SHOWER DRAIN
LT	LAUNDRY TRENCH DRAIN
FS	FLOOR SINK

PLBG ABBREVIATIONS

ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
BFF	BELOW FINISHED FLOOR
BFP	BACKFLOW PREVENTER
CO	CLEANOUT
CP	CIRCULATION PUMP
DC	DOUBLE CHECK
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
DN	DOWN
DR	DRAIN
DW	DISHWASHER (O.F.E.)
ECO	EXTERIOR CLEAN OUT (2-WAY)
EST.	ESTIMATED (APPROXIMATELY)
ET	EXPANSION TANK
EWH	ELECTRIC WATER HEATER
ETR.	EXISTING TO REMAIN
EX. EXIST.	EXISTING
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FFE	FINISHED FLOOR ELEVATION
FS	FLOOR SINK
FLA	FULL LOAD AMPERAGE
FM	FM GLOBAL
FT.HD.	FEET OF HEAD
GAL	GALLON
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HA	WATER HAMMER ARRESTOR
ICC	INTERNATIONAL CODE COUNCIL
ICE	ICE MAKER (O.F.E.)
IND. W	INDIRECT, INDIRECT WASTE
INV.	INVERT ELEVATION
JR	JANITORS RECEPTOR
KW	KILOWATT
LAV	LAVATORY
LT	LINT TRAP
LWT	LEAVING WATER TEMPERATURE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
O.F.E.	OWNER FURNISHED EQUIPMENT
P-#	PLUMBING FIXTURE NUMBER
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
SAN	SANITARY
SHR	SHOWER
SK	SINK
SS	SOIL STACK
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
TYP	TYPICAL
UB	UTILITY BOX
UR	URINAL
V	VENT
V/P	VOLTAGE / PHASE
VS	VENT STACK
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WMB	WASHING MACHINE BOX
WS	WASTE STACK
YCO	YARD CLEANOUT

GENERAL NOTES - PLUMBING

1. THESE DRAWINGS WERE DERIVED IN-PART FROM LIMITED FIELD OBSERVATIONS, EXISTING DRAWINGS (WHEN AVAILABLE) AND MAY NOT BE INCLUSIVE OF THE CONDITIONS THAT EXIST. THE CONTRACTOR SHALL VERIFY THE LOCATION, ROUTING, SIZE AND ELEVATION OF ALL EXISTING PIPING PRIOR TO BEGINNING WORK.
2. LOCATIONS OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE. VERIFY WITH THE LOCAL UTILITY PROVIDER PRIOR TO BIDDING.
3. THE CONTRACTOR SHALL VERIFY EXACT LOCATION, SIZE AND ELEVATION OF ALL EXISTING SERVICES PRIOR TO INSTALLING ANY NEW PIPE.
4. ALL EXTERIOR (OUTSIDE) CLEANOUTS SHALL BE BROUGHT TO GRADE AND EMBEDDED IN A 18"x18"x6" THICK CONCRETE PAD.
5. WHEREVER DISSIMILAR METALS ARE CONNECTED, A DIELECTRIC CONNECTOR SHALL BE USED.
6. ALL HORIZONTAL WATER AND VENT PIPING IS RUN ABOVE CEILING ON PLAN WHICH SHOWN UNLESS OTHERWISE NOTED.
7. ALL HORIZONTAL SANITARY AND STORM PIPING IS RUN ABOVE CEILING ON PLAN WHICH SHOWN UNLESS OTHERWISE NOTED.
8. ALL HORIZONTAL WATER PIPING ABOVE CEILING SHALL BE INSTALLED AS LOW AS POSSIBLE WITH BATT INSULATION INSTALLED OVER INSULATED PIPE OR WITHIN INSULATED ROOF.
9. ALL WATER PIPING BELOW SLAB ON GRADE SHALL BE BENT UP AT ENDS SO THAT NO JOINTS OCCUR BELOW THE FLOOR.
10. ALL WATER PIPING BELOW SLAB ON GRADE SHALL BE ENCASED IN A POLYETHYLENE PIPE SLEEVE FOR ITS ENTIRE LENGTH.
11. COORDINATE ALL PIPE ROUTING TO AVOID CONFLICTS WITH STRUCTURAL MECHANICAL AND ELECTRICAL FEATURES OF THE BUILDING.
    THE CUTTING, NOTCHING, CORING OF CONCRETE TEE'S IS STRICTLY PROHIBITED WITHOUT PRIOR AUTHORIZATION OF THE STRUCTURAL ENGINEER.
12. WHERE FIXTURES OR EQUIPMENT ARE NOTED "TO BE REMOVED", THE CONTRACTOR SHALL REMOVE ALL PIPING AND CAP OR PLUG SAME BELOW FLOOR, ABOVE CEILING OR IN PARTITIONS AS REQUIRED BY LOCAL CODES.
13. ALL FIXTURES OR EQUIPMENT REMOVED AND NOT REUSED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE DELIVERED TO THE OWNERS WAREHOUSE BY THE CONTRACTOR. IF OWNER DECIDES NOT TO RETAIN THE EQUIPMENT, THEN THE CONTRACTOR SHALL REMOVE FROM SITE.
14. AS A RESULT OF DEMOLITION, PLUMBING PIPING MAY BE DISCOVERED IN WALLS TO BE REMOVED. REMOVE PIPING THAT BECOMES INACTIVE WHEN LOCATED IN EXISTING MASONRY WALLS MAY BE ABANDONED IN PLACE, SO LONG AS THE PIPING IS CAPPED AND FILLED WITH GROUT.
15. ALL NON-POTABLE COLD WATER PIPING AND INSULATION SHALL BE PAINTED WITH TWO COATS OF BRIGHT PURPLE BY THIS SECTION.
16. PAVEMENT CUTS, BACKFILLING AND PATCHES SHALL MEET CITY OF ENTERPRISE REQUIREMENTS.
17. FOR OWNER FURNISHED EQUIPMENT, ALL FINAL PLUMBING CONNECTIONS SHALL BE BY THIS CONTRACTOR.
18. ALL PIPE, VALVES AND FITTINGS SHALL BE MADE IN THE USA.
19. ALL CEILINGS SPACES SHALL BE CONSIDERED 'RETURN AIR PLENUM'. ALL PIPING ROUTED IN A RETURN AIR PLENUM SHALL MEET ASTM E84.
20. ALL FLOOR DRAINS AND FLOOR CLEANOUTS SHALL BE INSTALLED WITH THE RIM/GRATE/COVER FLUSH WITH THE FINISHED FLOOR.
21. ALL FLOOR DRAINS, FLOOR SINKS, HUB DRAINS, MECHANICAL FLOOR DRAINS ETC, SHALL BE PROVIDED WITH A TRAP PRIMER. THE USE OF MECHANICAL TRAP SEALS (TRAP GUARDS) IS NOT ALLOWED.
22. THE USE OF FOAM CORE/CELLULAR CORE PVC IS NOT ALLOWED.
23. ALL PLUMBING PIPING AND SYSTEM COMPONENTS SHALL BE CLOSELY COORDINATED WITH OTHER SYSTEMS SUCH AS MECHANICAL, FIRE PROTECTION STRUCTURAL AND ELECTRICAL. DUE TO ITS SIZE, THE ROUTING OF MECHANICAL DUCTWORK TAKES PRECEDENCE AND PLUMBING PIPING SHALL BE ROUTED TO FACILITATE THE INSTALLATION OF THE MECHANICAL SYSTEMS. STRUCTURAL MEMBERS SHALL NOT BE CUT, NOTCHED, CORE DRILLED OR OTHERWISE PHYSICALLY MODIFIED.
24. THE USE OF FOAM CORE/CELLULAR CORE PVC IS NOT ALLOWED.
25. PORTIONS OF THE EXISTING BUILGIN HAVE CRAWL SPACE. CRAWL SPACE VARIES IN HEIGHT AND CONSISTS OF CONCRETE STRUCTURE, EXPOSED UTILITIES AND UNFINISHED EARTHEN FLOOR WITH VARYING DEGREES OF MOISTURE CONTENT.

GENERAL NOTES - HYDROFLUSH

1. ALL BELOW SLAB NON-PRESSURE, GRAVITY DRAINAGE SYSTEMS (SANITARY, WASTE AND STORM PIPING), 3" AND LARGER SHALL BE HYDROFLUSHED TO A POINT 100 FEET AWAY FROM THE BUILDING FOUNDATION OR TO THE NEAREST MANHOLE, WHICH EVER IS FIRST.
2. AFTER HYDROFLUSHING, ALL BELOW SLAB NON-PRESSURE, GRAVITY DRAINAGE SYSTEMS SHALL BE VIDEO INSPECTED AND RECORDED.
3. COPIES OF THE VIDEO INSPECTION SHALL BE PROVIDED TO THE ARCHITECT FOR REVIEW.
4. ANY DEFICIENCIES (E.G. DEBRIS, BLOCKAGES, LOW POINTS (BELLIES), BROKEN OR DAMAGED PIPING) DISCOVERED AS A RESULT OF THE VIDEO INSPECTION SHALL BE CLEARED OR REPAIRED.
5. HYDRO-FLUSHING AND VIDEO INSPECTION SHALL BE PERFORMED PRIOR TO THE FLOOR SLAB BEING POURED AND AGAIN PRIOR TO SUBSTANTIAL COMPLETION.

GENERAL NOTES - UTILITIES

1. WITHIN THE SCOPE OF THIS CONTRACT THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INCLUDING WITHIN THEIR BID AND PAYING ALL FEES INCURRED FOR ALL UTILITY CONNECTION FEES, TAP OR METER FEES, FIELD ENGINEERING COSTS, EQUIPMENT COSTS, INSTALLATION COSTS, AID TO CONSTRUCTION COSTS ETC FOR EACH UTILITY REQUIRED TO BE FULLY INSTALLED AND CONNECTED TO THIS FACILITY. ALL SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD REQUIREMENTS OF THE UTILITY PROVIDER, SPECIFICATIONS AND APPLICABLE CODES.
2. IF THE UTILITY PROVIDERS REQUIREMENTS ARE AT A VARIANCE WITH THESE CONSTRUCTION DOCUMENTS, THE CONTRACTORS BID SHALL INCLUDE THE ADDITIONAL COSTS REQUIRED TO COMPLETE THE INSTALLATION.
3. PLANNED INTERRUPTIONS OF ANY UTILITY SERVICE TO THE EXISTING FACILITY OR ANY PORTIONS OF THE EXISTING FACILITY AFFECTED BY THIS CONTRACTOR SHALL BE CAREFULLY PLANED AND COORDINATED A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF THE REQUESTED INTERRUPTION. THE CONTRACTOR SHALL NOT INTERRUPT SERVICES UNTIL THE SPECIFIC WRITTEN APPROVAL HAS BEEN GRANTED BY THE OWNER AND ARCHITECT. THE REQUEST FOR INTERRUPTIONS SHALL AT A MINIMUM INDICATE:

    SERVICES TO BE AFFECTED
    AREA OR AREAS TO BE AFFECTED
    DATE OF INTERRUPTION
    TIME AND ANTICIPATED DURATION.

4. REQUEST FOR INTERRUPTIONS OF SERVICE WILL NOT BE APPROVED UNTIL ALL EQUIPMENT AND MATERIAL REQUIRED FOR THE COMPLETION OF THAT PARTICULAR PHASE OF WORK ARE PRESENT ON THE PROJECT SITE AND READY FOR INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR ALL OVERTIME, HOLIDAY, WEEKEND PAY ETC. TO THEIR EMPLOYEES TO CONDUCT THIS WORK DURING SCHEDULED NON-BUSINESS WORK HOURS OF THE FACILITY.

COORDINATION DRAWINGS

1. COORDINATION DRAWINGS FOR ALL PLUMBING PIPING ARE REQUIRED. SEE DIV22 SPECIFICATIONS FOR INFORMATION REGARDING SHOP DRAWINGS.
2. SLAB PENETRATION DRAWINGS ARE REQUIRED. ALL PROPOSED OPENINGS IN ANY ELEVATED FLOOR SLAB ARE REQUIRED TO BE COORDINATED WITH EXISTING STRUCTURAL DOUBLE TEE'S. PROVIDE DIMENSIONED DRAWINGS INDICATING LOCATIONS OF ALL OPENINGS IN THE FLOOR SLAB. ARCHITECTURAL, STRUCTURAL AND ENGINEER OF RECORD REVIEW IS REQUIRED PRIOR TO ANY WORK BEGINNING.
3. THE EXISTING BUILDING HAS PRECAST CONCRETE DOUBLE TEE FLOOR AND ROOF SYSTEM. ALL PIPING PENETRATIONS THROUGH THE FINISHED FLOOR SLAB ARE REQUIRED TO BE COORDINATED WITH EXISTING STRUCTURAL ELEMENTS. THE CUTTING, NOTCHING, CORING OR ANY OTHER FORM OF MODIFICATION TO THE EXISTING STRUCTURE IS CONSIDERED PROHIBITED AND IF REQUIRED, SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER FIRST
4. THERE IS LIMITED SPACE BETWEEN FINISHED CEILINGS AND THE BOTTOM OF THE STRUCTURAL TEE'S AND RIBS. THE ROUTING OF ALL PLUMBING PIPING IS REQUIRED TO BE COORDINATED WITH MECHANICAL, FIRE PROTECTION AND ELECTRICAL. SEE GENERAL NOTE 23, THIS DRAWING.

FIRE STOP NOTES

1. PROVIDE AND INSTALL U.L. CLASSIFIED THROUGH-PENETRATION FIRE STOP SYSTEMS FOR PIPING AND CONDUIT PENETRATIONS THROUGH ALL FIRE RESISTANT / RATED ASSEMBLIES IN ACCORDANCE WITH MANUFACTURERS GUIDELINES.
2. FIRE STOP SYSTEMS PROVIDED SHALL RESIST THE SPREAD OF FIRE, THE PASSAGE OF SMOKE AND OTHER GASES.

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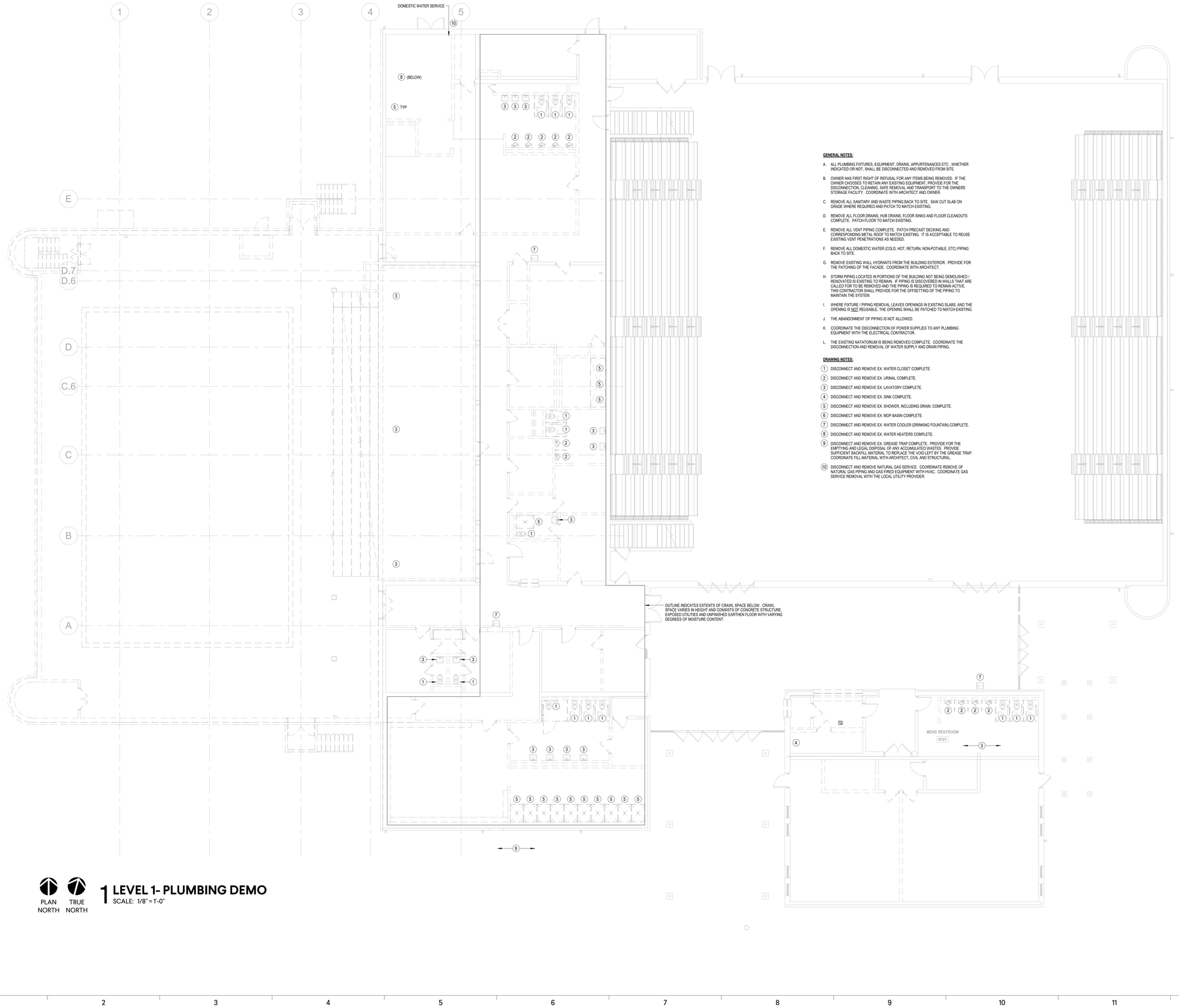


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PLUMBING LEGEND, SCHEDULES AND NOTES

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GENERAL NOTES:

A. ALL PLUMBING FIXTURES, EQUIPMENT, DRAINS, APPURTENANCES ETC. , WHETHER INDICATED OR NOT, SHALL BE DISCONNECTED AND REMOVED FROM SITE.

B. OWNER HAS FIRST RIGHT OF REFUSAL FOR ANY ITEMS BEING REMOVED. IF THE OWNER CHOOSES TO RETAIN ANY EXISTING EQUIPMENT, PROVIDE FOR THE DISCONNECTION, CLEANING, SAFE REMOVAL AND TRANSPORT TO THE OWNERS STORAGE FACILITY. COORDINATE WITH ARCHITECT AND OWNER.

C. REMOVE ALL SANITARY AND WASTE PIPING BACK TO SITE. SAW CUT SLAB ON GRADE WHERE REQUIRED AND PATCH TO MATCH EXISTING.

D. REMOVE ALL FLOOR DRAINS, HUB DRAINS, FLOOR SINKS AND FLOOR CLEANOUTS COMPLETE. PATCH FLOOR TO MATCH EXISTING.

E. REMOVE ALL VENT PIPING COMPLETE. PATCH PRECAST DECKING AND CORRESPONDING METAL ROOF TO MATCH EXISTING. IT IS ACCEPTABLE TO REUSE EXISTING VENT PENETRATIONS AS NEEDED.

F. REMOVE ALL DOMESTIC WATER (COLD, HOT, RETURN, NON-POTABLE, ETC) PIPING BACK TO SITE.

G. REMOVE EXISTING WALL HYDRANTS FROM THE BUILDING EXTERIOR. PROVIDE FOR THE PATCHING OF THE FACADE. COORDINATE WITH ARCHITECT.

H. STORM PIPING LOCATED IN PORTIONS OF THE BUILDING NOT BEING DEMOLISHED / RENOVATED IS EXISTING TO REMAIN. IF PIPING IS DISCOVERED IN WALLS THAT ARE CALLED FOR TO BE REMOVED AND THE PIPING IS REQUIRED TO REMAIN ACTIVE, THIS CONTRACTOR SHALL PROVIDE FOR THE OFFSETTING OF THE PIPING TO MAINTAIN THE SYSTEM.

I. WHERE FIXTURE / PIPING REMOVAL LEAVES OPENINGS IN EXISTING SLABS, AND THE OPENING IS NOT REUSABLE, THE OPENING SHALL BE PATCHED TO MATCH EXISTING.

J. THE ABANDONMENT OF PIPING IS NOT ALLOWED.

K. COORDINATE THE DISCONNECTION OF POWER SUPPLIES TO ANY PLUMBING EQUIPMENT WITH THE ELECTRICAL CONTRACTOR.

L. THE EXISTING NATATORIUM IS BEING REMOVED COMPLETE. COORDINATE THE DISCONNECTION AND REMOVAL OF WATER SUPPLY AND DRAIN PIPING.

DRAWING NOTES:

1. DISCONNECT AND REMOVE EX. WATER CLOSET COMPLETE.
2. DISCONNECT AND REMOVE EX. URINAL COMPLETE.
3. DISCONNECT AND REMOVE EX. LAVATORY COMPLETE.
4. DISCONNECT AND REMOVE EX. SINK COMPLETE.
5. DISCONNECT AND REMOVE EX. SHOWER, INCLUDING DRAIN, COMPLETE.
6. DISCONNECT AND REMOVE EX. MOP BASIN COMPLETE.
7. DISCONNECT AND REMOVE EX. WATER COOLER (DRINKING FOUNTAIN) COMPLETE.
8. DISCONNECT AND REMOVE EX. WATER HEATERS COMPLETE.
9. DISCONNECT AND REMOVE EX. GREASE TRAP COMPLETE. PROVIDE FOR THE EMPTYING AND LEGAL DISPOSAL OF ANY ACCUMULATED WASTES. PROVIDE SUFFICIENT BACKFILL MATERIAL TO REPLACE THE VOID LEFT BY THE GREASE TRAP. COORDINATE FILL MATERIAL WITH ARCHITECT, CIVIL AND STRUCTURAL.
10. DISCONNECT AND REMOVE NATURAL GAS SERVICE. COORDINATE REMOVE OF NATURAL GAS PIPING AND GAS FIRED EQUIPMENT WITH HVAC. COORDINATE GAS SERVICE REMOVAL WITH THE LOCAL UTILITY PROVIDER.

PLAN NORTH / TRUE NORTH

1 LEVEL 1- PLUMBING DEMO
SCALE: 1/8" = 1'-0"

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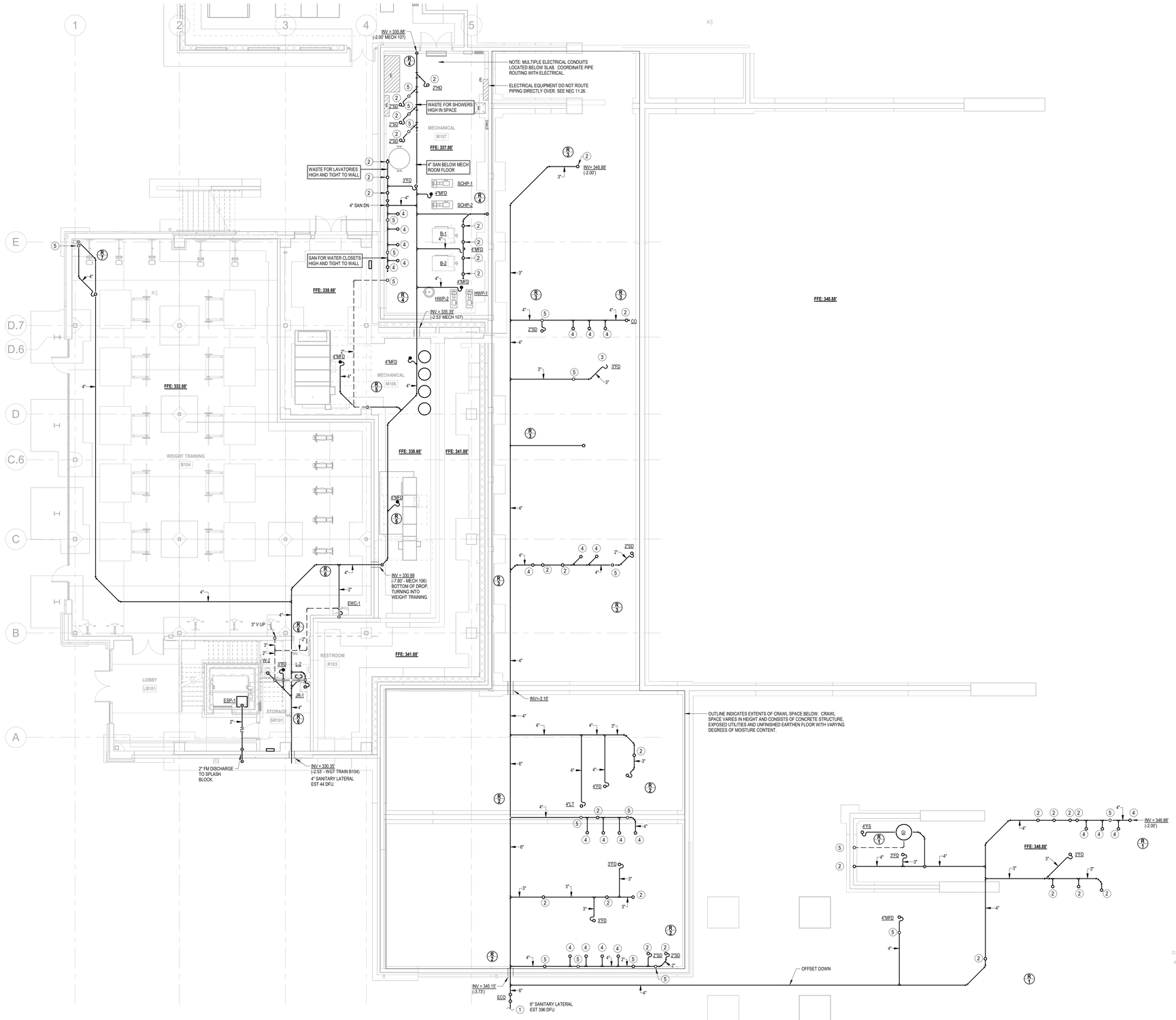
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JAMES S. DAVIS
No. 14178
PROFESSIONAL ENGINEER
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LEVEL 1 - PLUMBING DEMO

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PLAN NORTH TRUE NORTH

1 BASEMENT LEVEL - NON-PRESSURE PLUMBING

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

GENERAL NOTES:

A. PROVIDE SLAB COORDINATION DRAWINGS INDICATING ALL PENETRATIONS. SEE COORDINATION DRAWING NOTES ON P0.01

DRAWING NOTES:

1. EXTEND PIPING 5'-0" BEYOND FOUNDATION AND CONNECT TO SITE PIPING.
2. 2" WASTE UP.
3. 3" WASTE UP.
4. 4" SAN UP.
5. 2" VENT UP.

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BASEMENT LEVEL - NON-PRESSURE PLUMBING

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LEVEL 1 - NON-PRESSURE PLUMBING

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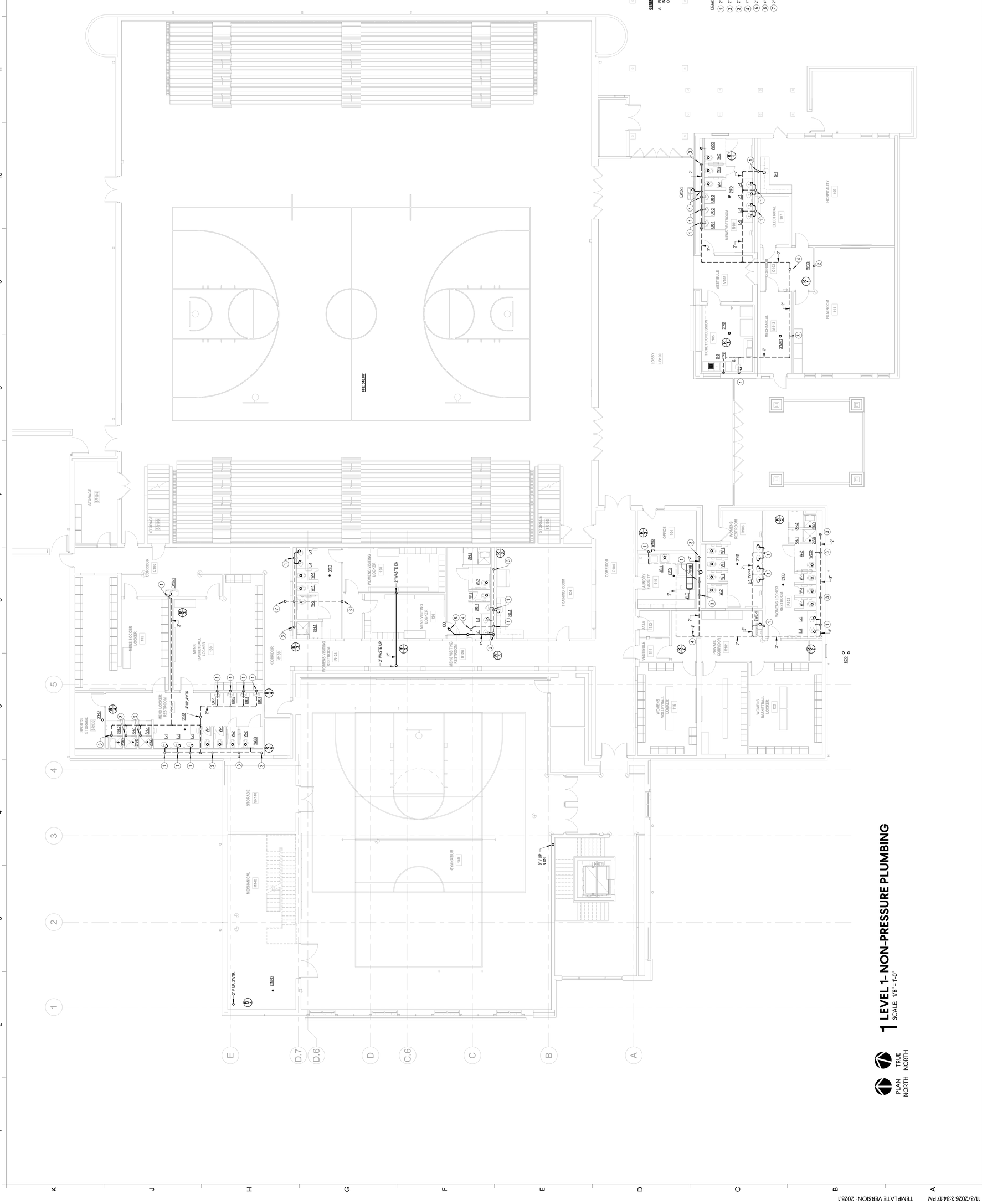
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GENERAL NOTES:
A. PROVIDE BLAB COORDINATION DRAWINGS INDICATING ALL PENETRATIONS. SEE COORDINATION DRAWING NOTES ON PL01

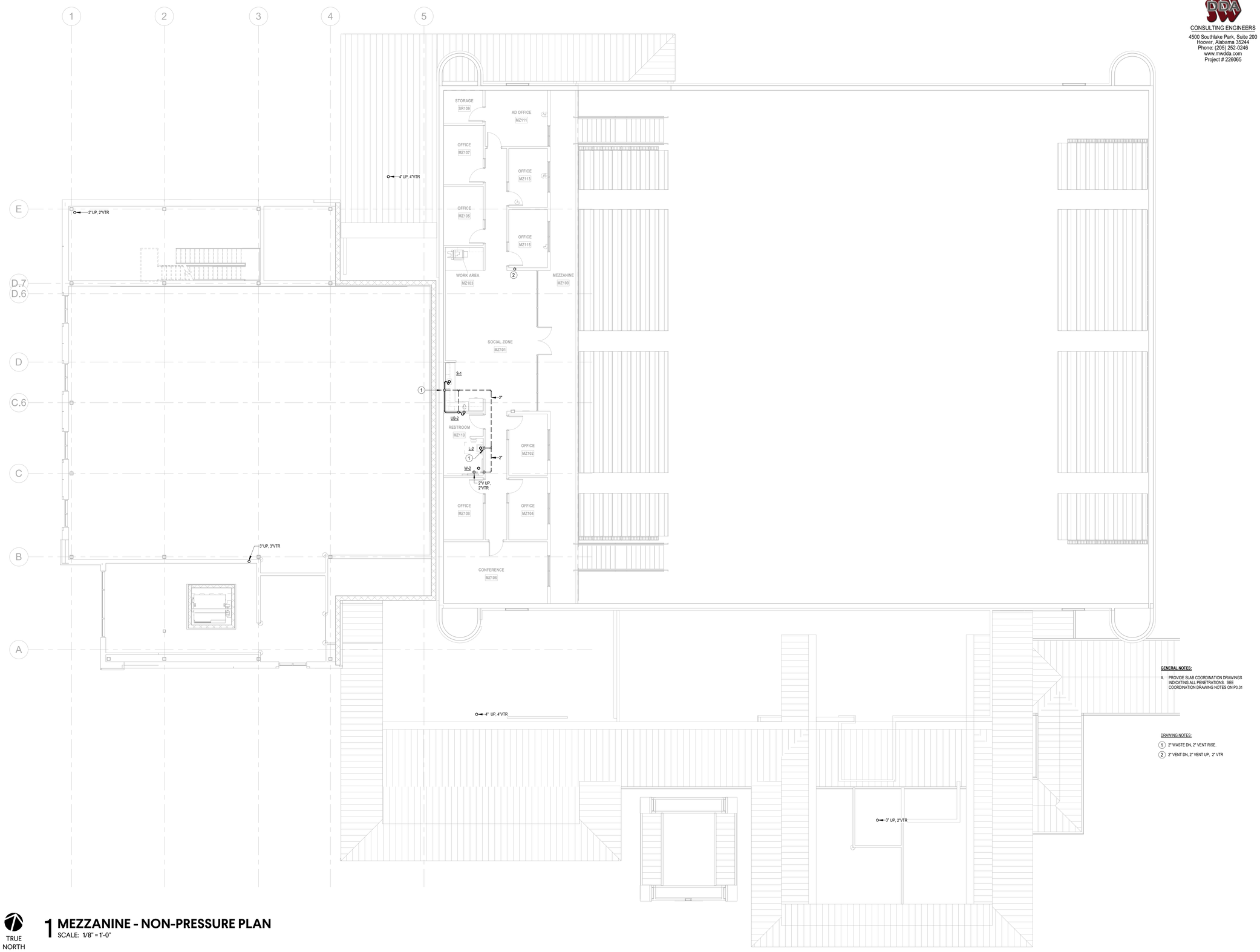
DRAWING NOTES:
1. 2" WASTE DN, 2" VENT RISE
2. 2" WASTE DN.
3. 2" VENT DN.
4. 1" VENT UP.
5. 2" WASTE UP.
6. 4" SAN DN.
7. 2" VENT UP.



1 LEVEL 1- NON-PRESSURE PLUMBING
SCALE: 1/8" = 1'-0"

PLAN NORTH
TRUE NORTH

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GENERAL NOTES:

A. PROVIDE SLAB COORDINATION DRAWINGS INDICATING ALL PENETRATIONS. SEE COORDINATION DRAWING NOTES ON P0.01

DRAWING NOTES:

1. 2" WASTE DN, 2" VENT RISE.
2. 2" VENT DN, 2" VENT UP, 2" VTR

PLAN NORTH

TRUE NORTH

1 MEZZANINE - NON-PRESSURE PLAN

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

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11/06/26 225109

MEZZANINE LEVEL - NON-PRESSURE PLUMBING

P1.03

11/3/2026 3:34:19 PM TEMPLATE VERSION: 2025.1



PLAN NORTH TRUE NORTH

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

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4500 Southlake Park, Suite 200
Hoover, Alabama 35244
Phone: (205) 252-0246
www.mwdda.com
Project # 226065

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ISSUE	DATE
ISSUE FOR BID	2026.11.06

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ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

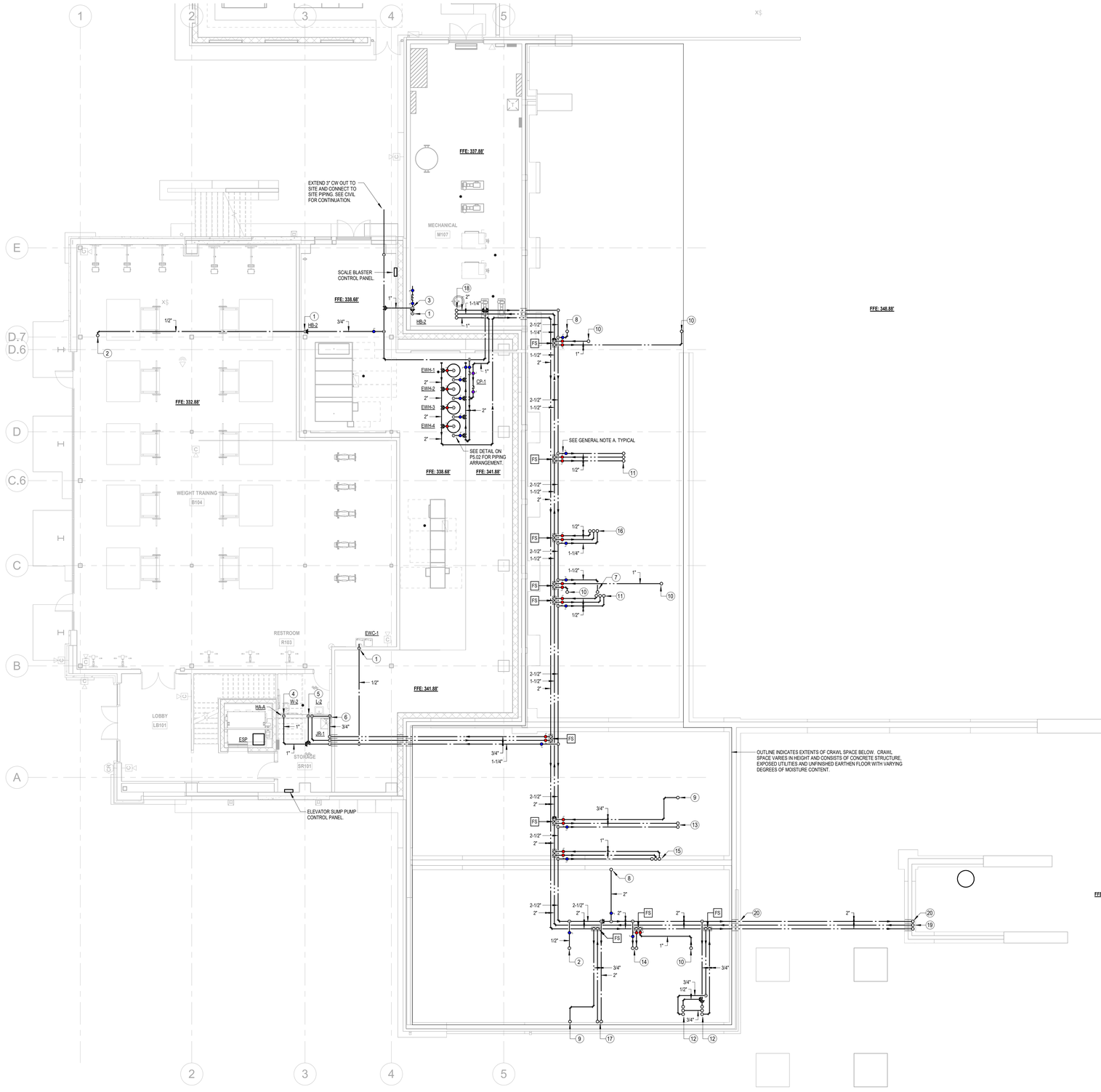
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LICENSED PROFESSIONAL ENGINEER JAMES S. DAVIS No. 14178
11/06/26
225109

ROOF PLAN

P1.04

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PLAN NORTH TRUE NORTH

1 BASEMENT LEVEL - PRESSURE PLUMBING
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

A. PROVIDE SLAB COORDINATION DRAWINGS INDICATING ALL PENETRATIONS. SEE COORDINATION DRAWING NOTES ON P0.01

B. PROVIDE VINYL TAG AT EACH GROUP OF VALVES IDENTIFYING ROOM/AREA WHERE PLUMBING IS BEING ISOLATED.

DRAWING NOTES:

1. DROP 1/2" CW.
2. 1/2" CW UP.
3. DROP 1" CW ALONG WALL. PROVIDE DUPLEX BACKFLOW PREVENTERS, RP2 TYPE IN PARALLEL FOR HVAC MAKE UP.
4. DROP 1" CW.
5. DROP 3/4" CW, 3/4" HW.
6. DROP 3/4" HW.
7. 1-1/2" CW UP.
8. 2" CW UP.
9. 3/4" HW UP.
10. 1" HW UP.
11. 1/2" CW, (2) 1/2" HW UP.
12. 1/2" CW, (2) 3/4" HW UP.
13. 3/4" CW, 3/4" HW UP.
14. 1" CW, 1" HW UP.
15. 1" CW, (2) 1" HW UP.
16. 1-1/4" CW UP, (2) 1/2" HW UP.
17. 2" CW UP, 3/4" HW UP.
18. 2" CW, 1-1/4" HW, 1" HWR UP.
19. 2" CW, 2" HW UP.
20. SLEEVE AND SEAL PIPING PENETRATION THROUGH FOUNDATION WALL. INSULATE AND PROVIDE A CONTINUOUS POLYETHYLENE PIPE SLEEVE FOR THE ENTIRE LENGTH OF PIPING BELOW GROUND.

FS FLOW SPLITTER - SEE DETAILS ON DRAWING P5.03

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11/06/26 225109

BASEMENT LEVEL - PRESSURE PLUMBING

P1.05

11/3/2026 3:34:23 PM TEMPLATE VERSION: 2025.1

P1.06

LEVEL 1 - PRESSURE PLUMBING

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GENERAL NOTES:
A. PROVIDE SLAB COORDINATION DRAWINGS INDICATING ALL PENETRATIONS. SEE COORDINATION DRAWING NOTES ON P1.01

DRAWING NOTES:
1. DROP 12" CW IN WALL
2. 12" CW DOWN.
3. DROP 2" CW IN CHASE.
4. 2" CW DOWN.
5. DROP 1/2" CW, (2) 1/2" HW IN WALL
6. 1/2" CW, (2) 1/2" HW DOWN.
7. DROP 1/2" CW, 3/4" HW IN WALL
8. DROP 3/4" HW IN WALL
9. DROP 1" CW, 1" HW IN WALL
10. DROP 1" HW IN WALL
11. 3/4" CW, 3/4" HW DOWN.
12. 3/4" HW DOWN.
13. 1" CW, 1" HW DOWN.
14. 1" HW DOWN.
15. 1" CW, (2) 1" HW DOWN.
16. 1/2" CW, (2) 3/4" HW DOWN.
17. 1/2" CW, (2) 1/2" HW UP.
18. 1-1/4" CW, (2) 1/2" HW DOWN.
19. 1-1/4" CW, (2) 1/2" HW UP.
20. 1-1/2" CW, 1" HW DOWN.
21. DROP 3/4" CW, 3/4" HW IN WALL
22. DROP 1-1/2" CW IN WALL
23. DROP 2" CW IN WALL
24. 2" CW, 1-1/4" HW, 1" HWR DOWN.
25. 2" CW, (2) 2" HW DOWN.
26. 12" CW UP.
FS FLOW SPLITTER - SEE DETAILS ON DRAWING P3.03

PLAN NORTH
TRUE NORTH

1 LEVEL 1- PRESSURE PLUMBING
SCALE: 1/8" = 1'-0"

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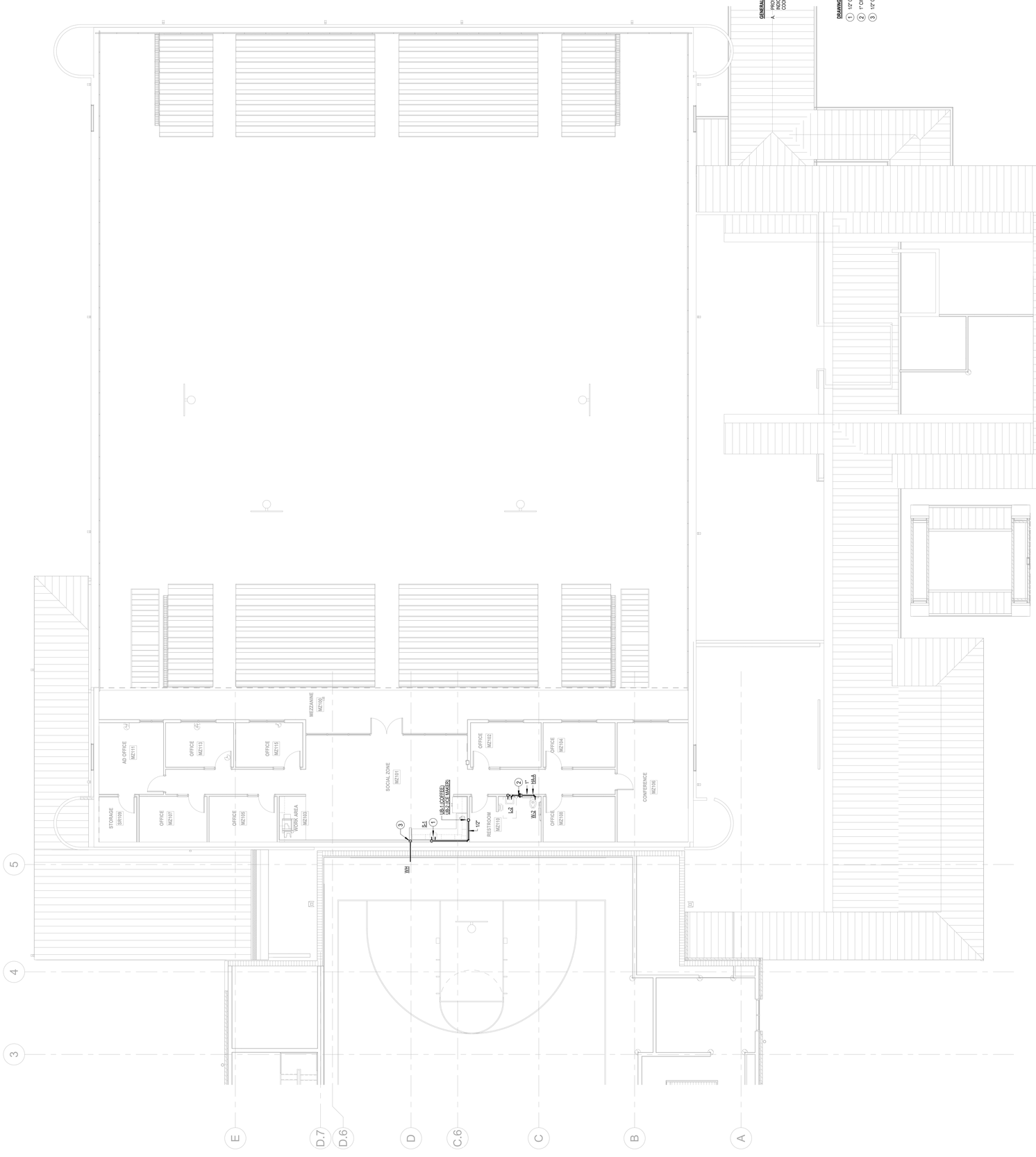
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Project # 235065

GENERAL NOTES:

A. PROVIDE SLAB COORDINATION DRAWINGS INDICATING ALL PENETRATIONS. SEE COORDINATION DRAWING NOTES ON P101

DRAWING NOTES:

1. 12" DN. /0 12" HW DOWN.
2. 1" DN. /0 12" HW DOWN.
3. 12" DW DOWN.



1 MEZZANINE - PRESSURE PLAN

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

PLAN NORTH

TRUE NORTH

MEZZANINE - PRESSURE PLUMBING

P1.07

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

ACCS 2025 130 ESCC
GMC ABHM250051

11/06/26
STATE OF ALABAMA
DAVID S. DAVIS
No. 14178
PROFESSIONAL ENGINEER
225109

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CHECKED BY: JSD

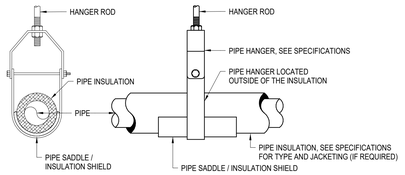
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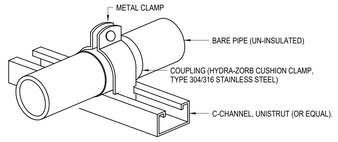
SUPPORT SPACING	
BLACK STEEL NOMINAL PIPE SIZE	SPACING OF SUPPORTS (FEET)
1/2"	6
3/4" - 1"	8
1-1/4" AND LARGER (HORIZONTAL)	10
1-1/4" AND LARGER (VERTICAL)	EVERY FLOOR LEVEL
NOTES: 1. SPACING FOR BLACK STEEL PIPING	

PIPE STAND SCHEDULE				
PIPE SIZE	A	B	C	
			MIN.	MAX.
2-1/2"	2-1/2"	1-1/2"	8"	13"
3"	2-1/2"	1-1/2"	8-1/4"	13-1/4"
4"	3"	2-1/2"	9-1/4"	14"
6"	3"	2-1/2"	10-1/2"	15-1/4"
8"	3"	2-1/2"	11-3/4"	16-1/2"



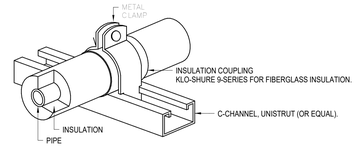
DETAIL NOTES:
1. PROVIDE FIBER GLASS INSULATION FOR THE FOLLOWING SYSTEMS
DOMESTIC COLD WATER
DOMESTIC HOT WATER
DOMESTIC HOT WATER RETURN
STORM PIPING
EXPOSED (ABOVE GROUND) SANITARY/WASTE PIPING RECEIVING CONDENSATE FROM REFRIGERATION EQUIPMENT OR TEMPERATURES ABOVE 120°F
2. PIPING EXPOSED TO FREEZING CONDITIONS (40°F OR COLDER) IS REQUIRED TO BE HEAT TRACED AND THEN INSULATED.. COORDINATE HEAT TRACING WITH ELECTRICAL.

DETAIL OF CLEVIS HANGER
SCALE: NONE



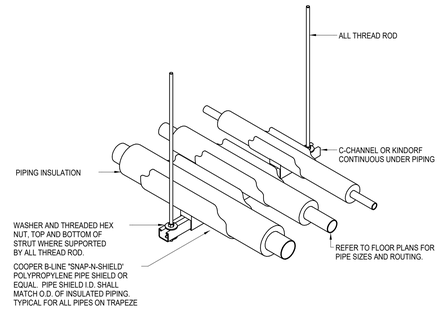
DETAIL NOTES:
1. FOR STRUT-MOUNTED, UN-INSULATED PIPING.
2. ALLOWED FOR HORIZONTAL OR VERTICAL INSTALLATION.
3. SECURE ANCHOR C-CHANNEL TO ADJACENT SURFACES OR RAILS/POSTS.

DETAIL OF STRUT MOUNTED PIPING SUPPORT - BARE PIPE
SCALE: NONE

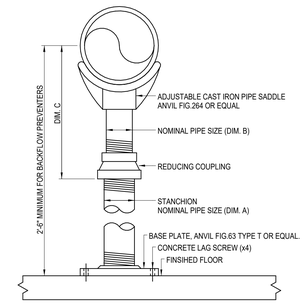


DETAIL NOTES:
1. FOR STRUT-MOUNTED, 4-INCH AND SMALLER, COPPER PIPING WITH FIBERGLASS INSULATION.
2. ALLOWED FOR HORIZONTAL OR VERTICAL INSTALLATION.
3. SECURE ANCHOR C-CHANNEL TO ADJACENT SURFACES OR RAILS/POSTS.
4. FOR COLD PIPE APPLICATIONS, APPLY ADHESIVE TO END OF FOAMED PLASTIC INSULATION PRIOR TO INSERTING INTO THE COUPLING.

DETAIL OF STRUT MOUNTED PIPING SUPPORT - INSULATED PIPE
SCALE: NONE



DETAIL OF TRAPEZE SUPPORT
SCALE: NONE



DETAIL OF ADJUSTABLE PIPE STAND
SCALE: NONE

DETAIL NOTES:
1. PROVIDE PIPE LABELS FOR EACH PIPING SYSTEM.
2. PROVIDE AT LEAST ONE LABEL ON EACH PIPING SYSTEM FOR EVERY ROOM THE PIPING PASSES THROUGH.
3. PIPING SYSTEM LABELS SHALL BE LOCATED SO THEY ARE EASILY VISIBLE FROM A LOCATION THE PIPING WOULD NORMALLY BE OBSERVED FROM.
EG: PIPE LABEL ON THE BOTTOM OF THE PIPE WHEN SEEN FROM THE FLOOR, LOOKING UP, PIPE LABEL ON TOP OF PIPING WHEN SEEN FROM ABOVE, OR PIPE LABEL ON THE SIDE IF OBSERVED FROM THE SAME PLANE AS THE PIPING IS INSTALLED.
4. REFER TO SPECIFICATIONS FOR PIPE LABEL SPACING REQUIREMENTS.
5. ALIGN PIPE LABELS WITH OTHER TRADES SYSTEMS AND PIPING IDENTIFICATION.
6. PIPE LABELS ON MULTIPLE PARALLEL LINES SHALL BE ALIGNED AND CENTERED.
7. PIPING SYSTEM LABELS SHALL BE COLOR CODED, PRE-PRINTED. SELF ADHESIVE VINYL OR PRE-COILED SEMI-RIGID PLASTIC, FORMED TO COVER THE FULL CIRCUMFERENCE OF THE PIPING (OR ITS INSULATION) WITHOUT THE USE OF ADHESIVES.

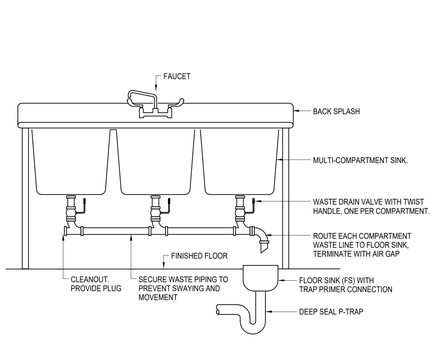
DETAIL OF PIPE IDENTIFICATION
SCALE: NONE

DETAIL OF HUB DRAIN
SCALE: NONE

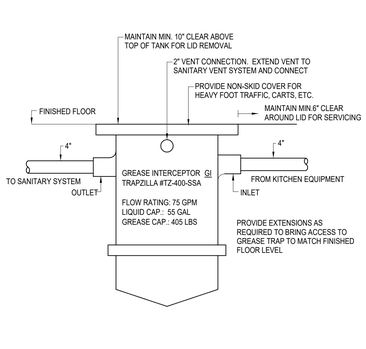
DETAIL OF FLOOR DRAIN
SCALE: NONE

DETAIL OF FLOOR SINK
SCALE: NONE

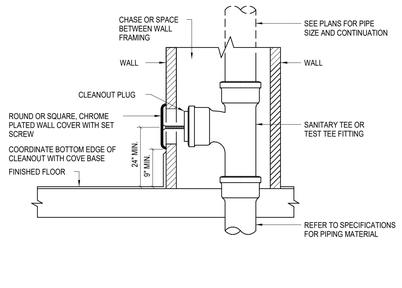
DETAIL OF WASHING MACHINE BOX
SCALE: NONE



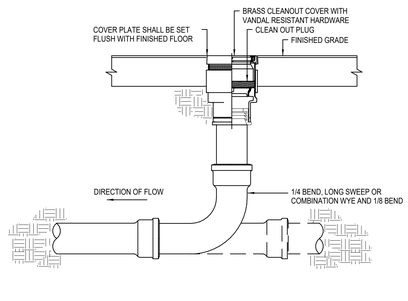
DETAIL OF 3-COMPARTMENT SINK
SCALE: NONE



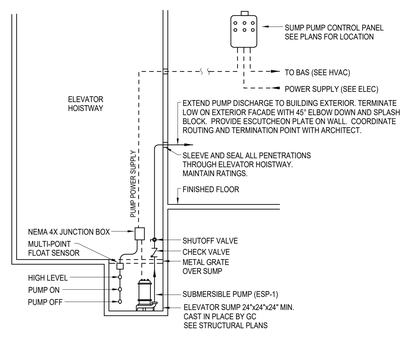
DETAIL OF GREASE INTERCEPTOR
SCALE: NONE



DETAIL OF WALL CLEANOUT
SCALE: NONE



DETAIL OF FLOOR CLEANOUT
SCALE: NONE



DETAIL OF ELEVATOR SUMP PUMP
SCALE: NONE

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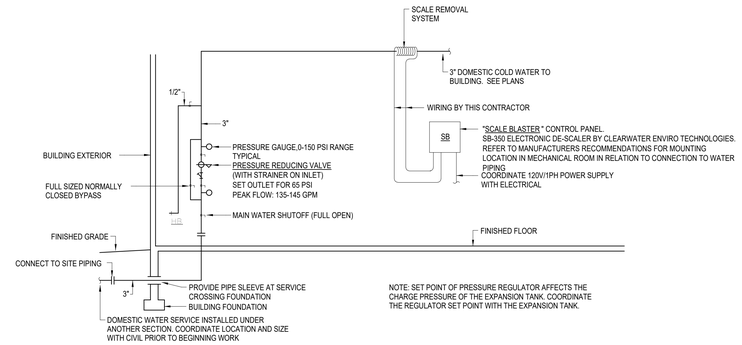
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JAMES S. DAVIS No. 14178 PROFESSIONAL ENGINEER
11/06/26
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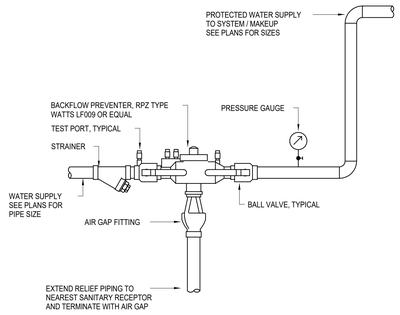
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P5.01

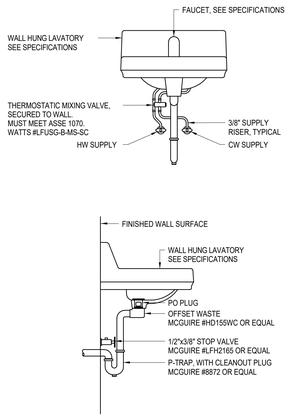
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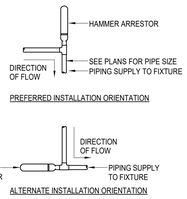
DETAIL OF WATER SERVICE
SCALE: NONE



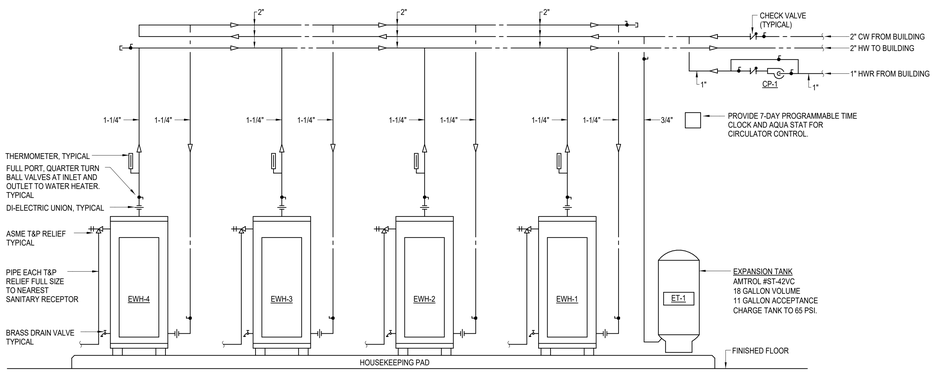
DETAIL OF BACKFLOW PREVENTER FOR MAKE-UP WATER
SCALE: NONE



DETAIL OF LAVATORY
SCALE: NONE



DETAIL OF HAMMER ARRESTOR
SCALE: NONE



DETAIL OF ELECTRIC WATER HEATERS
SCALE: NONE

DETAIL OF WASHING MACHINE SUPPLY CONNECTIONS
SCALE: NONE

DETAIL OF EXISTING CONCRETE STRUCTURE AND REQUIREMENTS
SCALE: NONE

DETAIL OF TRAP PRIMER UP TO FOUR (4) DRAINS
SCALE: NONE

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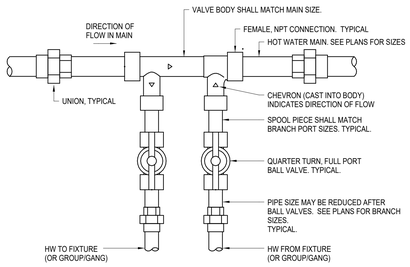
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11/06/26
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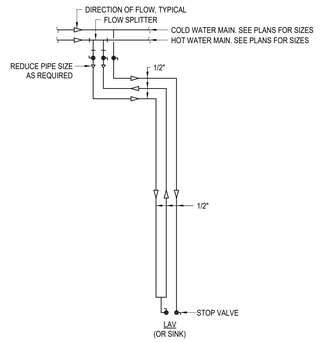
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P5.02

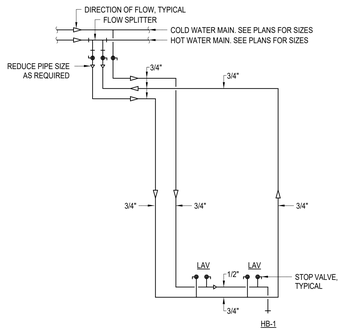
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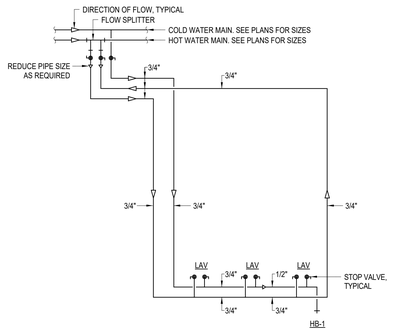
DETAIL OF FLOW SPLITTER
SCALE: NONE



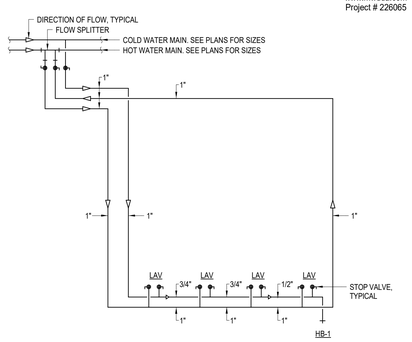
DETAIL OF SUPPLY TO LAVATORY (OR SINK)
SCALE: NONE



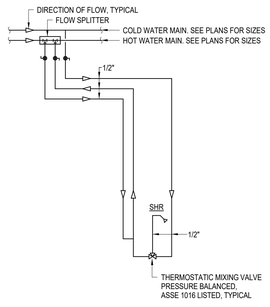
DETAIL OF SUPPLY TO TWO (2) LAVATORY (OR SINK) GANG
SCALE: NONE



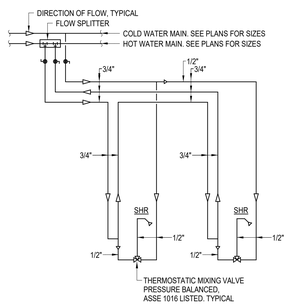
DETAIL OF SUPPLY TO THREE (3) LAVATORY (OR SINK) GANG
SCALE: NONE



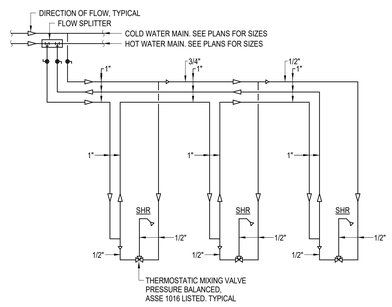
DETAIL OF SUPPLY TO FOUR (4) LAVATORY (OR SINK) GANG
SCALE: NONE



DETAIL OF SUPPLY TO SHOWER
SCALE: NONE



DETAIL OF SUPPLY TO TWO (2) SHOWER GANG
SCALE: NONE



DETAIL OF SUPPLY TO THREE (3) SHOWER GANG
SCALE: NONE

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STATE OF ALABAMA
No. 14178
PROFESSIONAL
ENGINEER
JAMES S. DAVIS III
11/06/26
225109

PLUMBING DETAILS

P5.03

TEMPLATE VERSION: 2025.1
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FLOW SPLITTER SCHEDULE

PART NO.	MAIN SIZE	BRANCH SIZE
651-06-015	1/2"	1/2"
651-06-020	3/4"	3/4"
651-06-025	1"	3/4"
651-06-032	1-1/4"	3/4"
651-06-040	1-1/2"	1"
651-06-050	2"	1"

WATER HAMMER SCHEDULE

MARK	PPP	PIPE SIZE	WSFU
HA-A	A	1/2"	1-11
HA-B	B	3/4"	12-32
HA-C	C	1"	33-60
HA-D	D	1-1/4"	61-113
HA-E	E	1-1/2"	114-154
HA-F	F	2"	155-330

INSULATION SCHEDULE

TEMPERATURE IN PIPING	PIPE SIZE	INSULATION THICKNESS
40°F AND LOWER	3/4" AND SMALLER	1/2"
	1" AND LARGER	1"
40°F - 60°F	1-1/4" AND SMALLER	1/2"
	1-1/2" AND LARGER	1"
105°F - 140°F	1-1/4" AND SMALLER	1"
	1-1/2" AND LARGER	1-1/2"

NOTES:
1) SCHEDULE BASED ON IECC TABLE C403.2.10.

ELECTRIC WATER HEATER SCHEDULE - TANK

MARK	LOCATION	SERVING	TYPE	STORAGE (GAL)	E.W.T. (°F)	L.W.T. (°F)	RECOVERY (GPH)	ELECTRICAL KW	ELECTRICAL HZ	ELECTRICAL V/P	BASIS OF DESIGN
EWH-1	MECHANICAL M106	BUILDING	TANK	120	50	125	123	30	60	480/3	LOCHINVAR #LHS-119X30
EWH-2	MECHANICAL M106	BUILDING	TANK	120	50	125	123	30	60	480/3	LOCHINVAR #LHS-119X30
EWH-3	MECHANICAL M106	BUILDING	TANK	120	50	125	123	30	60	480/3	LOCHINVAR #LHS-119X30
EWH-4	MECHANICAL M106	BUILDING	TANK	120	50	125	123	30	60	180/3	LOCHINVAR #LHS-119X30

NOTES:
1. BASIS OF DESIGN IS LOCHINVAR. AO SMITH, BRADFORD WHITE, RHEEM ARE APPROVED EQUALS.
2. RECOVERY OF EWH-1 BASED ON A TEMPERATURE RISE OF 80°F
2. PROVIDE METAL DRAIN PAN BELOW WATER HEATER.

CIRCULATOR PUMP SCHEDULE

MARK	LOCATION	TYPE	GPM	LIFT (FT.HEAD)	SPEED	ELECTRICAL WATTS	ELECTRICAL HZ	ELECTRICAL V/P	BASIS OF DESIGN
CP-1	MECHANICAL M106	IN-LINE	4	16	2	218	60	120/1	ARMSTRONG ASTRO 260SSI

NOTES:
1. BASIS OF DESIGN IS ARMSTRONG. BELL&GOSSETT, GRUNDFOS & TACO ARE APPROVED EQUALS.
2. ALL WETTED PARTS OF CIRCULATOR PUMP SHALL BE STAINLESS STEEL OR LEAD FREE BRASS/BRONZE.

SUMP PUMP SCHEDULE

MARK	LOCATION	ELEV. TYPE	PUMP TYPE	GPM	LIFT (FT.HEAD)	RPM	ELECTRICAL HP	ELECTRICAL HZ	ELECTRICAL V/P	BASIS OF DESIGN
ESP-1	ELEVATOR PIT	TRACT.	SUBMER	50	10	3,450	0.5	60	120/1	LIBERTY #FL51A

NOTES:
1. ELEVATOR SUMP PUMP BASIS OF DESIGN IS LIBERTY. STANCOR, WEIL & ZOELLER ARE APPROVED EQUALS.
2. SUMP PIT IN ELEVATOR HOIST-WAY SHALL BE MINIMUM 24"x24"x24" IN SIZE. COORDINATE SIZE AND LOCATION OF SUMP WITH STRUCTURAL AND ELEVATOR MANUFACTURER.
3. PROVIDE METAL GRATE OVER SUMP PIT.
4. COORDINATE LOCATION OF CONTROL PANEL WITH ELECTRICAL.
5. THE ONLY EQUIPMENT ALLOWED IN THE ELEVATOR HOIST-WAY IS THE SUMP PUMP AND THE VALVES IN THE DISCHARGE PIPING.
6. SEE PLANS FOR LOCATION OF CONTROL PANEL. THIS PIECE OF EQUIPMENT IS NOT ALLOWED IN EITHER THE HOISTWAY OR THE ELEVATOR MACHINE ROOM.

PLUMBING SPECIALTIES CONNECTION SCHEDULE - PRESSURE

MARK	SPECIALTY EQUIPMENT	WASTE	COLD	HOT	SPECIFICATIONS
TP(#)	TRAP PRIMER (UP TO 4 DRAINS)	1/2"	3/4"	-	PPP #MP-550-115 'MINI PRIME' ELECTRONIC TRAP PRIMER WITH OPTIONAL DISTRIBUTION UNIT #DU-U ABS BODY WITH BRASS DISCHARGE FITTINGS. 115V, 1PH, 60HZ POWER CONNECTION. COORDINATE POWER SUPPLY WITH ELECTRICAL. NUMBER IN PARENTHESIS IN MARK EQUALS NUMBER OF DRAINS BEING PRIMED.
WH-1	WALL HYDRANT	-	1/2""	-	J.R. SMITH #5519-NB, WARM CLIMATE HYDRANT, BOX TYPE, CONCEALED HOSE CONNECTION WITH HINGED LOCKING COVER. 20 GAUGE STAINLESS STEEL BOX, NICKEL BRONZE BOX FACE. ALL BRONZE HYDRANT, CHROME PLATED FACE, 3/4" HOSE CONNECTION, LOOSE TEE HANDLE, ASSE 1011 VACUUM BREAKER. COORDINATE WALL THICKNESS AND LOCATION ON WALL WITH ARCHITECT.
HB-1	HOSE BIBB (FINISHED AREAS)	-	1/2"	-	J.R. SMITH #5518-CP, WARM CLIMATE HYDRANT, BOX TYPE, CONCEALED HOSE CONNECTION WITH HINGED LOCKING COVER. 20 GAUGE STAINLESS STEEL BOX, CHROME PLATED BOX FACE. ALL BRONZE HYDRANT, CHROME PLATED FACE, 3/4" HOSE CONNECTION, LOOSE TEE HANDLE, ASSE 1011 VACUUM BREAKER. COORDINATE LOCATION ON WALL WITH ARCHITECT.
HB-2	HOSE BIBB (MECHANICAL SPACES)	-	1/2"	-	CHICAGO FAUCET #998-RCF, ROUGH CHROME PLATED BRASS, 3/4" HOSE CONNECTION, DRAIN PLUG, TEE HANDLE AND ASSE 1001 VACUUM BREAKER. INSTALL WITH CENTER LINE 24" ABOVE FINISHED FLOOR.
RH-1	ROOF HYDRANT	-	3/4"	-	WOODFORD #SRH-MS, FREEZE RESISTANT SANITARY ROOF HYDRANT. DECK MOUNTED, CAST IRON MOUNTING SYSTEM WITH UNDER DECK FLANGE, MOUNTING HARDWARE AND SHIM, FIELD TESTABLE ASSE 1052 DOUBLE CHECK BACKFLOW PREVENTER. NO DRAIN LINE REQUIRED.
SB	SCALE BLASTER	-	3"	-	CLEARWATER TECHNOLOGIES #SB-350 ELECTRONIC DE-SCALER, INCLUDING CONTROL PANEL AND SIGNAL CABLING. SIGNAL CABLING REQUIRES 6'-0" MINIMUM OF STRAIGHT PIPE PRIOR TO BEGINNING COIL, AND 6" MINIMUM OF STRAIGHT PIPE DOWNSTREAM OF COIL. CONTROL PANEL SHALL BE LOCATED WITHIN 10'-0" OF COIL. 120V/1PH. INSTALL SIGNALING CABLE PER MANUFACTURERS INSTRUCTIONS. COORDINATION LOCATION OF CONTROL PANEL WITH ELECTRICAL.

NOTES:
1. FOR HOSE BIBB, WALL HYDRANTS - CHICAGO FAUCETS, J.R. SMITH, WOODFORD AND ZURN ARE APPROVED EQUALS.
2. FOR TRAP PRIMERS - PPP, MIFAB, WATTS AND ZURN ARE APPROVE EQUALS.

PLUMBING SPECIALTIES CONNECTION SCHEDULE - NON-PRESSURE

MARK	SPECIALTY EQUIPMENT	WASTE	VENT	STORM	SPECIFICATIONS
FD	FLOOR DRAIN	SEE PLANS	SEE PLANS	-	J.R. SMITH #2005-NB, CAST IRON BODY, FLASHING COLLAR AND ADJUSTABLE 6" ROUND NICKEL BRONZE STRAINER. PROVIDE 1/2" TRAP PRIMER CONNECTION. PROVIDE DEEP SEAL P-TRAP. RIM OF FLOOR DRAIN SHALL BE SET FLUSH WITH THE SURROUNDING FINISHED FLOOR.
SD	SHOWER DRAIN	2"	2"	-	J.R. SMITH #2005-NB, CAST IRON BODY, FLASHING COLLAR AND ADJUSTABLE 6" SQUARE NICKEL BRONZE STRAINER. PROVIDE DEEP SEAL P-TRAP. RIM OF FLOOR DRAIN SHALL BE SET FLUSH WITH THE SURROUNDING FINISHED FLOOR.
MFD	MECHANICAL FLOOR DRAIN	SEE PLANS	SEE PLANS	-	J.R. SMITH #2130-B-M, CAST IRON BODY, FLASHING COLLAR AND ADJUSTABLE ROUND SLOTTED DUCTILE IRON GRATE, WITH SEDIMENT BUCKET AND TRAP PRIMER CONNECTION. PROVIDE DEEP SEAL P-TRAP.
FS	FLOOR SINK	SEE PLANS	SEE PLANS	-	J.R. SMITH #3110C-12, CAST IRON FLANGED BODY, SEEPAGE HOLES, ACID RESISTANT COATING ON INTERIOR SURFACES, ALUMINUM BOTTOM DOME STRAINER, 12"x12" HALF TOP STRAINER. PROVIDE DEEP SEAL P-TRAP WITH TRAP PRIMER CONNECTION. RIM OF FLOOR SINK SHALL BE SET MINIMUM 1/4" ABOVE THE SURROUNDING FINISHED FLOOR.
LT	LAUNDRY TRENCH	4"	2"	-	STRIEM #TT-6 POLYETHYLENE DRAIN TROUGH, 40 GALLON CAPACITY WITH 4" PLAIN END OUTLET, 1% BUILDING IN SLOPE, PRIMARY AND SECONDARY FILTER SCREENS. MAXIMUM OPERATING TEMPERATURE OF 165°F. COORDINATE DISCHARGE TEMPERATURE OF WASHING MACHINE WITH EQUIPMENT VENDOR. IF TEMPERATURES EXCEED 165°, PROVIDE DRAIN TEMPERING KIT
GT	GREASE INTERCEPTOR	4"	2"	-	THERMACO #TZ-400 'TRAPZILLA' MOLDED POLYETHYLENE GREASE INTERCEPTOR, 36" DIAMETER, 4" INLET, 4" OUTLET, RATED FOR 75 GPM PEAK FLOW, 70 GALLON LIQUID CAPACITY AND 400 POUND GREASE CAPACITY. PROVIDE WITH THE FOLLOWING: THERMACO #ECA-TZ EXTENSION COLLAR AS REQUIRED TO BRING ACCESS COVER TO MATCH FINISHED FLOOR. THERMACO #FTCA-22 22" DIAMETER COVER WITH DIAMOND PLATE ALUMINUM SURFACE FOR HEAVY FOOT TRAFFIC.

NOTES:
1. FOR DRAINS LOCATED IN SLAB ON GRADE, PROVIDE CAULK OUTLET. FOR DRAINS LOCATED IN ELEVATED SLABS PROVIDE NO-HUB OUTLET.

PLUMBING FIXTURE CONNECTION & DESCRIPTION SCHEDULE

MARK	FIXTURE	WASTE	COLD	HOT	SPECIFICATIONS
W-1	WATER CLOSET	4"	1"	—	KOHLER #K-96053-0 "WELLCOMME", WHITE, VITREOUS CHINA, FLOOR MOUNTED, BOTTOM OUTLET, ELONGATED BOWL, 1-1/2" TOP SPUD, WATER CLOSET WITH: SLOAN #111-1.6 "REGAL" 1.6 GPF, EXPOSED, MANUALLY OPERATED, DIAPHRAGM FLUSH VALVE. SLOAN #J-312-A, SPLIT RING YJ BRACKET. CHURCH #2155SSCT WHITE, OPEN FRONT, HEAVY DUTY PLASTIC TOILET SEAT WITH ANTI-MICROBIAL FINISH AND SELF SUSTAINING HINGES. PROVIDE FLOOR FLANGE AND WAX SEAL.
W-2	WATER CLOSET, ADA	4"	1"	—	KOHLER #K-96057-0 "HIGHCLIFF", WHITE, VITREOUS CHINA, FLOOR MOUNTED, BOTTOM OUTLET, ELONGATED BOWL, 1-1/2" TOP SPUD, ADA HEIGHT WATER CLOSET WITH: SLOAN #111-1.6 "REGAL" 1.6 GPF, EXPOSED, MANUALLY OPERATED, DIAPHRAGM FLUSH VALVE. SLOAN #J-312-A, SPLIT RING YJ BRACKET. CHURCH #2155SSCT WHITE, OPEN FRONT, HEAVY DUTY PLASTIC TOILET SEAT WITH ANTI-MICROBIAL FINISH AND SELF SUSTAINING HINGES. PROVIDE FLOOR FLANGE AND WAX SEAL. INSTALL FLUSH VALVE WITH HANDLE ON THE OPEN SIDE (WIDE SIDE) OF STALL OR ROOM. MUST MEET ADA.
UR-1	URINAL	2"	3/4"	—	KOHLER #K-4991-ET-0 "BARDON", WHITE, VITREOUS CHINA, WALL HUNG, EXTENDED RIM, 3/4" TOP SPUD URINAL WITH: SLOAN #186-0.5, 0.5 GPF, EXPOSED, MANUALLY OPERATED, DIAPHRAGM FLUSH VALVE. SLOAN #J-312-A SPLIT RING, YJ BRACKET JR SMITH #637 IN WALL FIXTURE CARRIER. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR MOUNTING HEIGHT.
UR-2	URINAL, ADA	2"	3/4"	—	KOHLER #K-4991-ET-0 "BARDON", WHITE, VITREOUS CHINA, WALL HUNG, EXTENDED RIM, 3/4" TOP SPUD URINAL WITH: SLOAN #186-0.5, 0.5 GPF, EXPOSED, MANUALLY OPERATED, DIAPHRAGM FLUSH VALVE. SLOAN #J-312-A SPLIT RING, YJ BRACKET JR SMITH #637 IN WALL FIXTURE CARRIER. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR MOUNTING HEIGHT. MUST MEET ADA.
L-1	LAVATORY, ADA	2"	1/2"	1/2"	PROVIDE SOLID SURFACE, HOMOGENOUS, NON-POROUS OVAL BOWL, INTEGRAL TO COUNTER. COORDINATE MATERIAL, COLOR, MOUNTING AND MANUFACTURER WITH ARCHITECT. KOHLER #K-2738-4N "SIMPLICE", BRUSHED MANUAL NICKEL FAUCET, 4" CENTERS, TWO LEVER HANDLES, 0.5 GPM AERATOR. McGUIRE #155A PO PLUG AND CHROME PLATED BRASS TAIL PIECE. McGUIRE #8872 CHROME PLATED BRASS P-TRAP WITH CLEANOUT PLUG. McGUIRE #LF2165 CHROME PLATED BRASS STOP VALVES AND SUPPLY RISERS. WATTS #LFUSG-SC-M2 SATIN CHROME FINISH, BRASS BODY, ASSE 1070 THERMOSTATIC MIXING VALVE, SET OUTLET TO 109°F. MUST MEET ADA.
L-2	LAVATORY, ADA	2"	1/2"	1/2"	KOHLER #K-2007-0 "KINGSTON", WHITE, VITREOUS CHINA, WALL HUNG, DRILLED FOR CONCEALED ARMS LAVATORY WITH: KOHLER #K-2738-4N "SIMPLICE", BRUSHED MANUAL NICKEL FAUCET, 4" CENTERS, TWO LEVER HANDLES, 0.5 GPM AERATOR. McGUIRE #155A PO PLUG AND CHROME PLATED BRASS TAIL PIECE. McGUIRE #8872 CHROME PLATED BRASS P-TRAP WITH CLEANOUT PLUG. McGUIRE #LF2165 CHROME PLATED BRASS STOP VALVES AND SUPPLY RISERS. WATTS #LFUSG-SC-M2 SATIN CHROME FINISH, BRASS BODY, ASSE 1070 THERMOSTATIC MIXING VALVE, SET OUTLET TO 109°F. JR SMITH #700 SERIES IN WALL CARRIER. IPS CORP TRUBRO LAV GUARD WASTE AND SUPPLY COVERS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR MOUNTING HEIGHT. MUST MEET ADA.
JR-1	JANITOR'S RECEPTOR	3"	3/4"	3/4"	STERN WILLIAMS #HL-1800 'HILOW' (24"x24"x12") MOLDED TERRAZZO SQUARE BASIN HAVING ALL EXPOSED SURFACES GROUND SMOOTH WITH STERN WILLIAMS #BP-2-24 STAINLESS STEEL BACK-SPLASH PANELS. STERN WILLIAMS #A-20 ALUMINUM BUMPER GUARDS ON EXPOSED RIMS. STERN WILLIAMS #T-35 30" HOSE AND WALL BRACKET. STERN WILLIAMS #T-40 STAINLESS STEEL MOP HANGER. CHICAGO FAUCETS #897CCP SERVICE FAUCET WITH VACUUM BREAKER, INTEGRAL STOPS AND SPRING CHECKS ON SUPPLIES. PROVIDE A CONTINUOUS BEAD OF MOLD RESISTANT, SILICON CAULK AROUND BASE OF RECEPTOR WHERE IT IS SET ON THE FLOOR.
SH-1	SHOWER	2"SD	1/2"	1/2"	LEONARD #4500-VP 'AQUATROL' 1.5 GPM MINIUM, BRONZE AND STAINLESS STEEL, PRESSURE BALANCED MIXING VALVE, ASSE 1016, CHROME PLATED CAST WALL FLANGE AND HANDLE WITH COLOR CODED DIAL AND VANDAL PROOF SCREWS. LEONARD #H-01 (AC-11) INSTITUTIONAL BRASS SHOWER HEAD WITH ARM OVER AND WALL FLANGE, VOLUME CONTROL, 2.5 GPM MAX FLOW RATE. SURROUND TILED IN PLACE BY G.C.. COORDINATE ALL FINISHES WITH ARCHITECT. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR MOUNTING HEIGHT.
SH-2	SHOWER, ADA	2"SD	1/2"	1/2"	LEONARD #4505-101P(G) 'AQUATROL COMBINATIONS' 1.5 GPM MINIMUM, BRONZE AND STAINLESS STEEL, PRESSURE BALANCED MIXING VALVE, ASSE 1016, CHROME PLATED CAST WALL FLANGE AND HANDLE WITH COLOR CODED DIAL AND VANDAL PROOF SCREWS. LEONARD #02-L INLINE DIVERTER VALVE, WITH LEVER HANDLE AND WALL FLANGE. LEONARD #H-01 (AC-11) INSTITUTIONAL BRASS SHOWER HEAD WITH ARM OVER AND WALL FLANGE, VOLUME CONTROL, 2.5 GPM MAX FLOW RATE. LEONARD #101P(G) 2.5 GPM HAND SHOWER WITH 60" BRAIDED STEEL HOSE, 24" GUIDE RAIL, DOUBLE CHECK VALVE BACKFLOW PREVENTER, SUPPLY ELBOW AND FLANGE. SURROUND TILED IN PLACE BY G.C.. COORDINATE ALL FINISHES WITH ARCHITECT. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR MOUNTING HEIGHT.
EWC-1	WATER COOLER, BI-LEVEL, ADA	2"	1/2"	—	ELKAY #LZSTL8WSLP 'EZH20' WALL HUNG, BI-LEVEL, ELECTRIC WATER COOLER, 8 GPH OF 50°F WATER, WITH WATER FILTER, FILTER STATUS INDICATOR AND BOTTLE FILLING STATION. 120V/1PH. PROVIDE: MCGUIRE #8912C CHROME PLATED BRASS P-TRAP WITH CLEANOUT PLUG MCGUIRE #LF2165 CHROME PLATED BRASS STOP VALVE AND SUPPLY RISER. JR SMITH #0834 IN WALL CARRIER. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR MOUNTING HEIGHT. MUST MEET ADA.
S-1	SINK	2"	1/2"	1/2"	ELKAY #ECTRU17179T 'CROSSTOWN' 18-1/2"x18-1/2"x9", 304 STAINLESS STEEL, UNDERMOUNT, SINGLE BOWL SINK WITH: DELTA #9113-DST DECK MOUNTED, 1.8 GPM, GOOSENECK, WITH PULL DOWN SPRAY, SINGLE LEVER HANDLE FAUCET ELKAY #LK35 STRAINER AND TAIL PIECE. McGUIRE #8912C CHROME PLATED BRASS P-TRAP WITH CLEANOUT PLUG. McGUIRE #LF2165 CHROME PLATED BRASS STOP VALVES AND SUPPLY RISERS. COORDINATE FAUCET FINISHES WITH ARCHITECT.
S-2	SINK	2"	3/4"	3/4"	ADVANCE TABCO #FC-3-1524-24RL, 3 COMPARTMENT SINK, EACH BOWL 24"x15"x14" WITH 24" DRAIN BOARDS LEFT AND RIGHT SIDES, BACKSLASH PUNCHED FOR 1 FAUCET, 304 STAINLESS STEEL CONSTRUCTION, STAINLESS STEEL LEGS WITH CROSS BRACING AND BULLET FEET, 2" EDGING, COVERED CORNERS. PROVIDE THE FOLLOWING ACCESSORIES: TS BRASS #B-2299 DOUBLE PANTRY FAUCET, 8" CENTERS, 14" SWING NOZZLE, 23 GPM AT 60 PSI. PROVIDE TS BRASS #B0320-KIT FOR SUPPLY CONNECTION. TS BRASS #B-3942 WASTE OUTLETS WITH TWIST HANDLE DRAINS (ONE FOR EACH BOWL) PRIOR TO ORDERING EQUIPMENT, COORDINATE ALL ACCESSORIES WITH OWNER AND ARCHITECT.
WMB-1	WASHING MACHINE BOX	2"	1/2"	1/2"	GUY GRAY #MWB-16 WHITE POWDER COATED 20 GUAGE STEEL BOX AND FACE PLACE WITH QUARTER TURN, BRASS, HAMMER BALL VALVES AND 2" DRAIN CONNECTION.
UB-1	UTILITY BOX (REFRIGERATOR, COFFEE MAKER)	-	1/2"	-	GUY GRAY #MB1HAAB WHITE POWDER COATED 20 GAUGE STEEL BOX AND FACE PLATE WITH QUARTER TURN, BRASS, HAMMER BALL VALVE. PROVIDE 10'-0" OF SOFT TEMPER COPPER FOR CONNECTION TO EQUIPMENT.
UB-2	UTILITY BOX (ICE MAKER)	2"	1/2"	-	GUY GRAY #MMDW1AB WHITE POWDER COATED, 20 GAUGE STEEL BOX AND FACE PLATE WITH SINGLE QUARTER TURN, BRASS, HAMMER BALL VALVE AND 2" BOTTOM DRAIN CONNECTION. PROVIDE 10'-0" OF SOFT TEMPER COPPER FOR CONNECTION TO EQUIPMENT, AND CHARLOTTE PIPE #NH42 NO-HUB CAST IRON 2" P-TRAP WITH HEAVY DUTY COUPLINGS

NOTES:
1. REFER TO ARCHITECTURAL ELEVATIONS FOR ALL MOUNTING HEIGHTS.
2. COORDINATE ALL FINISHES WITH ARCHITECT PRIOR TO ORDERING EQUIPMENT.
3. PROVIDE A BEAD OF MOLD RESISTANT, SILICONE CAULK BETWEEN ALL FIXTURES AND THE SURFACES THEY ARE MOUNTED TO.
4. STOP VALVES WITH PLASTIC, FIBERGLASS, POLYOXYMETHYLENE (POM) OR OTHER NON-METAL COMPONENTS (STEM, HANDLE, BALL, ETC) ARE NOT ACCEPTABLE.
5. SIZES NOTED IN SCHEDULE ABOVE ARE FOR FIXTURE ROUGH IN.

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ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

ACCS 2025.130 ESCC
GMC ABHM250051



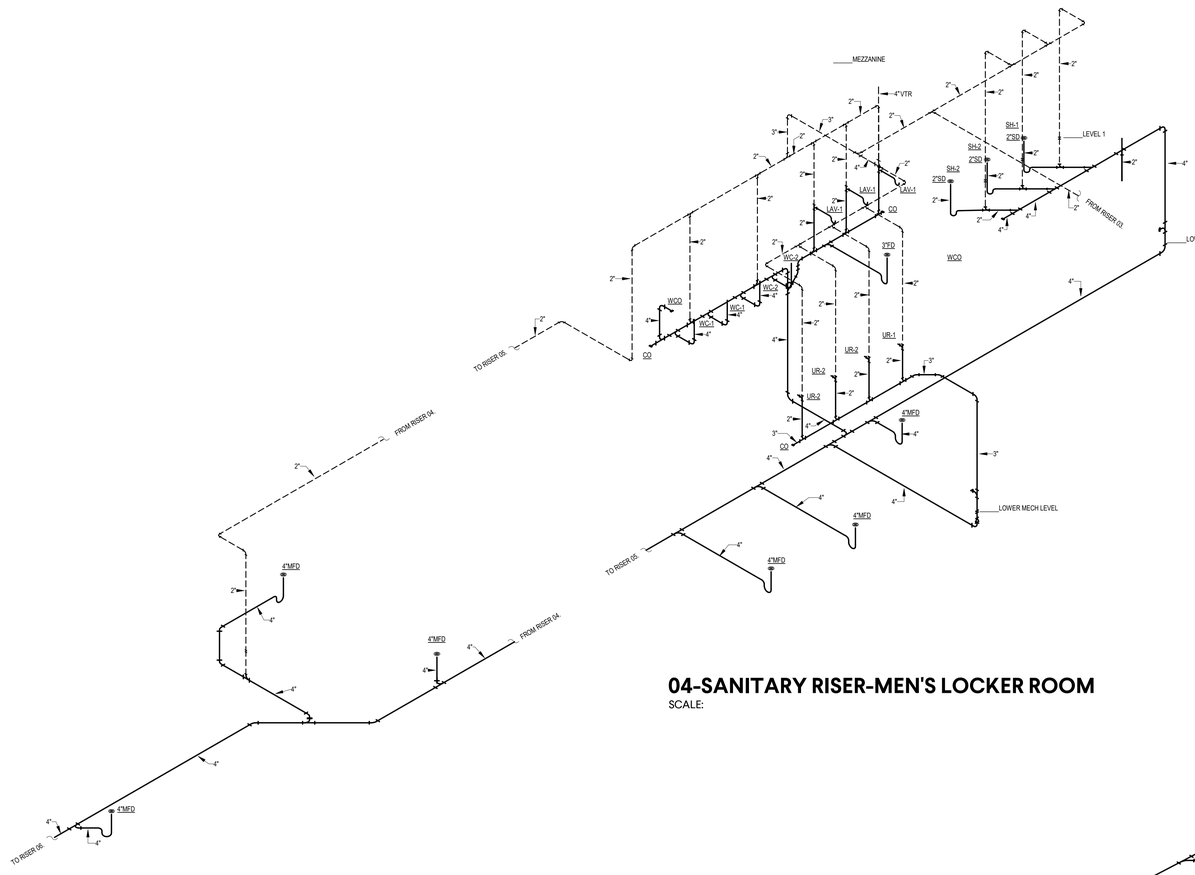
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PLUMBING SCHEDULES

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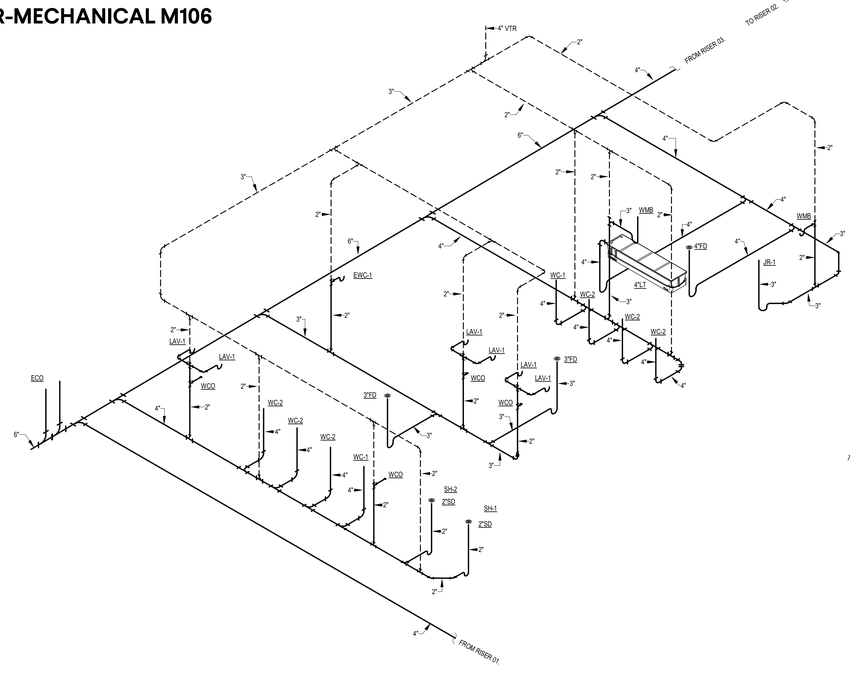
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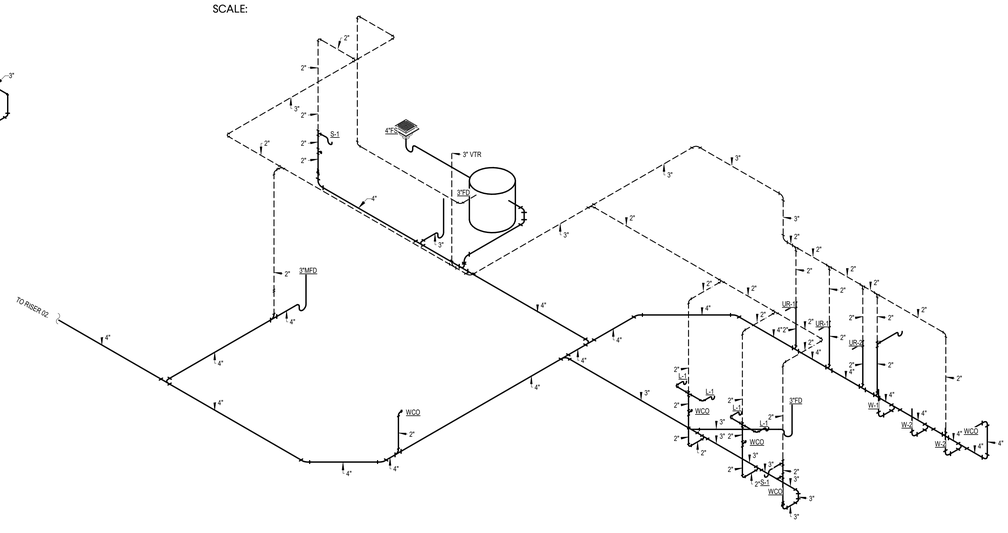


04-SANITARY RISER-MEN'S LOCKER ROOM
SCALE:

05-SANITARY RISER-MECHANICAL M106
SCALE:



02-SANITARY RISER - WOMEN'S LOCKER ROOMS
SCALE:



03-SANITARY RISER - MEN'S/WOMEN'S VISITING RESTROOM
SCALE:

01-SANITARY RISER - HOSPITALITY
SCALE:

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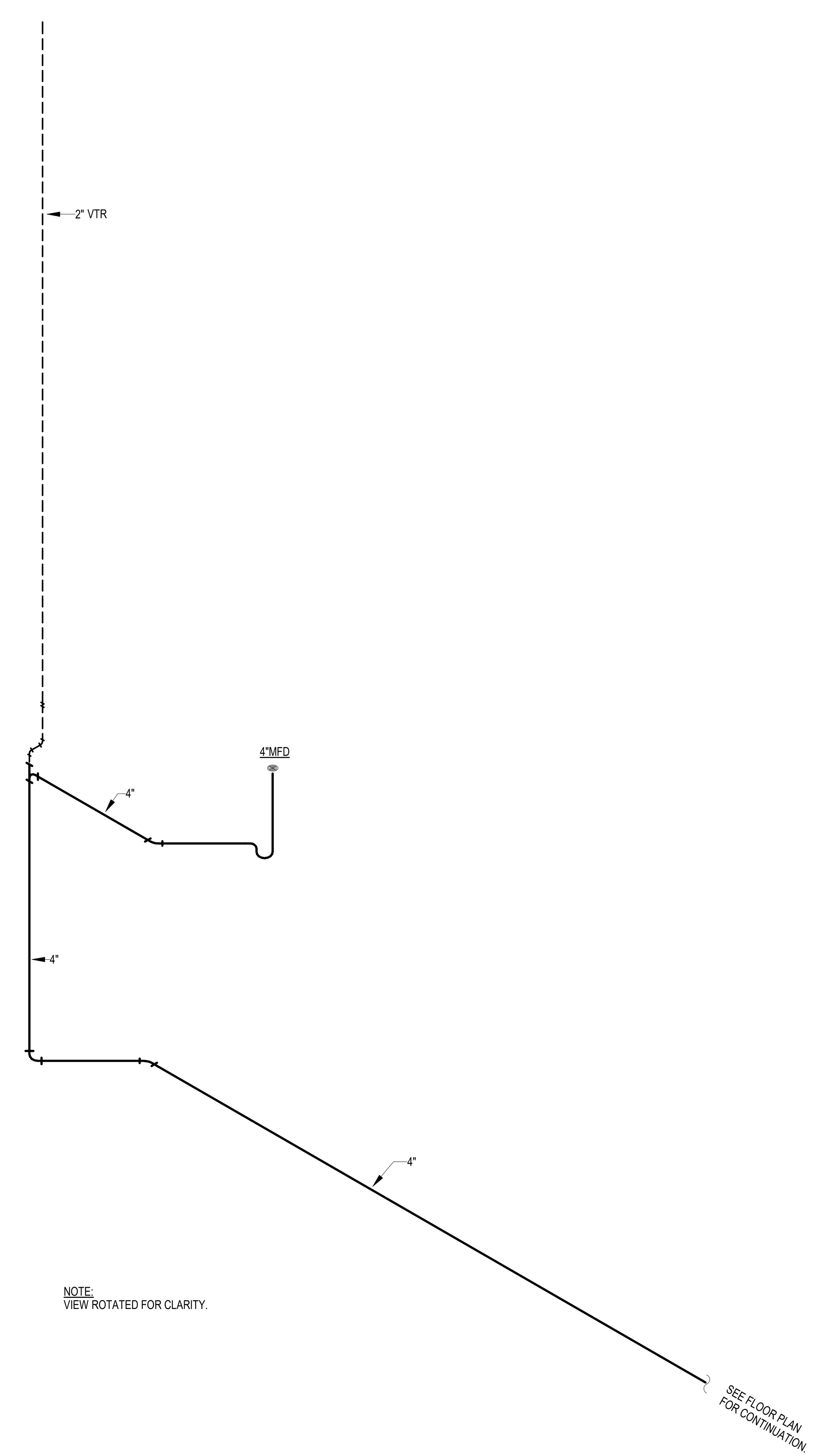
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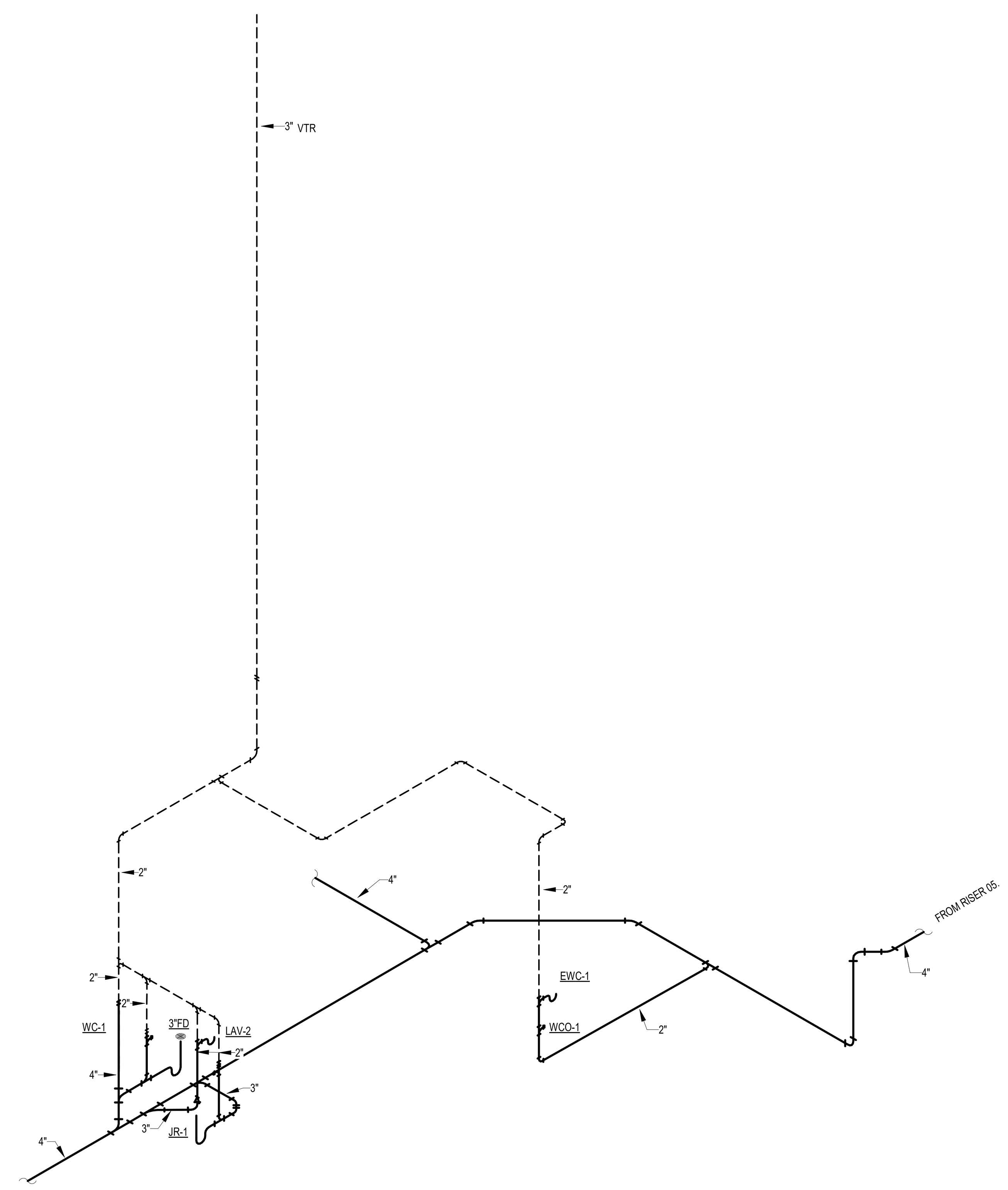
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07-SANITARY RISER-MECHANICAL M140
SCALE:



06-SANITARY RISER-RESTROOM R103M
SCALE:

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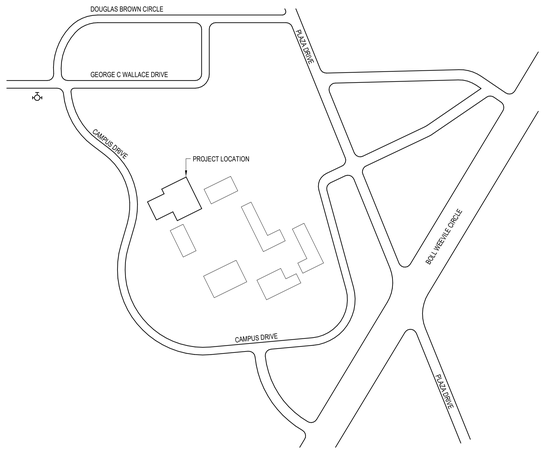
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GMC ABHM250051

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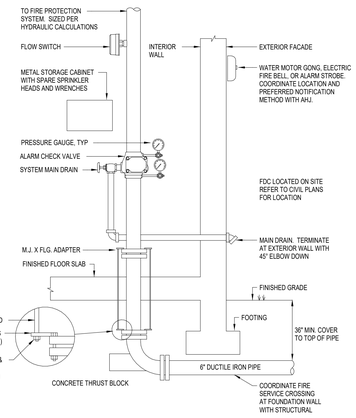
SANITARY RISER DIAGRAMS

P9.02

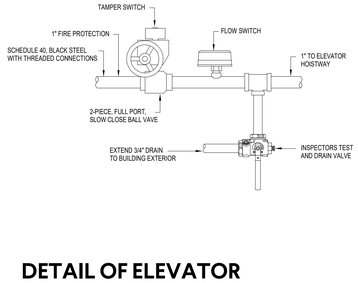


SITE PLAN
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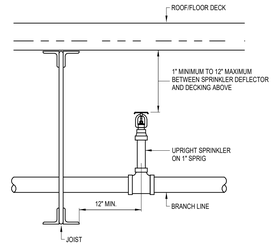
FOR REFERENCE ONLY



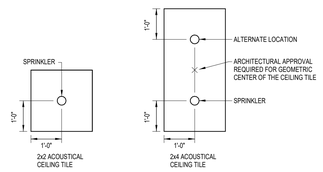
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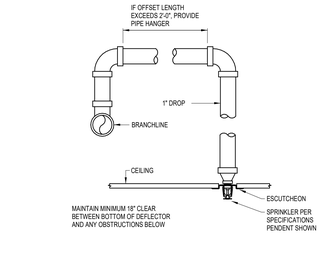
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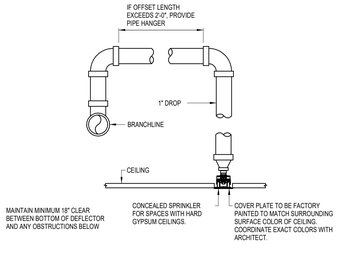
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DETAIL OF SPRINKLER LOCATION IN CEILING TILE
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DETAIL OF RECESSED SPRINKLER
SCALE: NONE



DETAIL OF CONCEALED PENDANT
SCALE: NONE

FP LEGEND

F	FIRE PROTECTION (WET)
	ALARM CHECK VALVE (ACV)
	GATE VALVE WITH TAMPER SWITCH
	BUTTERFLY VALVE WITH TAMPER SWITCH
	CHECK VALVE
	FLOW SWITCH (FS)
	ZONE CONTROL
	FIRE DEPARTMENT VALVE (FDV)
	FIRE VALVE CABINET (FVC)
	FLOW ARROW
	PIPE TURNING UP
	PIPE TURNING DOWN
	PIPE BOTTOM TAP
	CAP OR PLUG
	POINT OF CONNECTION
	PIPING CONTINUED
	PIPE SLEEVE (AT FOUNDATION WALL)
#	DRAWING NOTE | KEY NOTE
#	DRAWING REVISION

FP ABBREVIATIONS

ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AV	AIR VENT
BFP	BACKFLOW PREVENTER
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
DR	DRAIN
EST.	ESTIMATED (APPROXIMATELY)
FFE	FINISHED FLOOR ELEVATION
FP	FIRE PROTECTION
FS	FLOW SWITCH
FVC	FIRE VALVE CABINET
GPM	GALLONS PER MINUTE
IFC	INTERNATIONAL FIRE CODE
ICC	INTERNATIONAL CODE COUNCIL
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NICET	NATIONAL INSTITUTE OF CERTIFICATION IN ENGINEERING TECHNOLOGIES
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
PSI	POUNDS PER SQUARE INCH
QR	QUICK RESPONSE
TYP	TYPICAL

FIRE STOP NOTES

1.	PROVIDE AND INSTALL U.L. CLASSIFIED THROUGH-PENETRATION FIRE STOP SYSTEMS FOR PIPING AND CONDUIT PENETRATIONS THROUGH ALL FIRE RESISTANT / RATED ASSEMBLIES IN ACCORDANCE WITH MANUFACTURERS GUIDELINES.
2.	FIRE STOP SYSTEMS PROVIDED SHALL RESIST THE SPREAD OF FIRE, THE PASSAGE OF SMOKE AND OTHER GASES.

COORDINATION DRAWINGS

1. COORDINATION DRAWINGS FOR ALL FIRE PROTECTION PIPING ARE REQUIRED. SEE DIV21 SPECIFICATIONS FOR INFORMATION REGARDING SHOP DRAWINGS.
2. SLAB PENETRATION DRAWINGS ARE REQUIRED. ALL PROPOSED OPENINGS IN ANY ELEVATED FLOOR SLAB ARE REQUIRED TO BE COORDINATED WITH EXISTING STRUCTURAL DOUBLE TEE'S. PROVIDE DIMENSIONED DRAWINGS INDICATING LOCATIONS OF ALL OPENINGS IN THE FLOOR SLAB. ARCHITECTURAL, STRUCTURAL AND ENGINEER OF RECORD REVIEW IS REQUIRED PRIOR TO ANY WORK BEGINNING.
3. THE EXISTING BUILDING HAS PRECAST CONCRETE DOUBLE TEE FLOOR AND ROOF SYSTEM. ALL PIPING PENETRATIONS THROUGH THE FINISHED FLOOR SLAB ARE REQUIRED TO BE COORDINATED WITH EXISTING STRUCTURAL ELEMENTS. THE CUTTING, NOTCHING, CORING OR ANY OTHER FORM OF MODIFICATION TO THE EXISTING STRUCTURE IS CONSIDERED PROHIBITED AND IF REQUIRED, SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER FIRST.
4. THERE IS LIMITED SPACE BETWEEN FINISHED CEILINGS AND THE BOTTOM OF THE STRUCTURAL TEE'S AND RIB'S. THE ROUTING OF ALL PLUMBING PIPING IS REQUIRED TO BE COORDINATED WITH MECHANICAL, PLUMBING AND ELECTRICAL. SEE GENERAL NOTE 21, THIS DRAWING.

FIRE PROTECTION NOTES

1. LOCATIONS OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE. VERIFY WITH THE LOCAL UTILITY PROVIDER PRIOR TO BIDDING.
2. THE LOCATION, ROUTING OF PIPE, FITTINGS, VALVES AND SPRINKLERS INDICATED ARE SCHEMATIC IN NATURE AND ARE SHOWN FOR REFERENCE ONLY. THIS CONTRACTOR SHALL DETERMINE EXACT LOCATIONS, ROUTING AND SIZING OF THE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13
3. THIS CONTRACTOR SHALL PROVIDE WORKING SHOP DRAWINGS, HYDRAULIC CALCULATIONS AND MATERIAL DATA.
4. PROVIDE AND INSTALL A WET AUTOMATIC SPRINKLER SYSTEM TO PROVIDE COVERAGE FOR HEATED AREAS OF THE BUILDING IN ACCORDANCE WITH NFPA 13, NFPA 101, THE INTERNATIONAL FIRE CODE (IFC), CITY MUNICIPAL REQUIREMENTS AND DIVISION 21 SPECIFICATIONS.
5. PROVIDE AND INSTALL A DRY PIPE SYSTEM TO PROVIDE COVERAGE FOR UN-HEATED AREAS OF THE BUILDING OR AREAS SUBJECT TO FREEZING CONDITIONS IN ACCORDANCE WITH NFPA 13, NFPA 101, THE INTERNATIONAL FIRE CODE (IFC), CITY MUNICIPAL REQUIREMENTS AND DIVISION 21 SPECIFICATIONS.
6. BACKFLOW PREVENTER SHALL BE PROVIDED BY THE CIVIL SECTION IN ACCORDANCE WITH NFPA 24 AND LOCAL A.H.J REQUIREMENTS.
7. FIRE DEPARTMENT CONNECTION SHALL BE PROVIDED BY THE CIVIL SECTION AT THE BACKFLOW PREVENTER VAULT IN ACCORDANCE WITH NFPA 14 AND LOCAL A.H.J REQUIREMENTS.
8. BRANCH LINES (WHERE POSSIBLE) SHALL BE RUN IN THE HEATED SPACE ABOVE CEILING. SPRINKLER PIPING SHALL BE COORDINATED WITH DUCTWORK, CONDUIT, LIGHTS, PLUMBING PIPING AND OTHER RELATED TRADES TO ENSURE ALL INTERFERENCE HAS BEEN RESOLVED BEFORE INSTALLING PIPING.
9. ALL WET SYSTEM PIPING SHALL BE INSTALLED WITHIN THE HEATED ENVELOPE OF THE BUILDING.
10. ALL WORKMANSHIP, MATERIALS AND TESTING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13, 25 AND 101.
11. PROVIDE WIRE CAGE SPRINKLER GUARDS OVER UPRIGHT SPRINKLER HEADS LOCATED IN ELECTRICAL ROOMS, TELEPHONE EQUIPMENT ROOMS, MECHANICAL ROOMS, AND OTHER SIMILAR SPACES WHERE SPRINKLER HEADS ARE SUBJECT TO MECHANICAL DAMAGE.
12. ALL SPRINKLERS SHALL BE CENTERED BOTH DIRECTIONS IN CEILING TILES AND ALL HEADS SHALL BE LOCATED SYMMETRICALLY IN ROOMS AND CORRIDORS.
13. ALL SPRINKLERS SHALL BE QUICK RESPONSE TYPE.
14. SPRINKLER PIPING SHALL NOT BE ROUTED DIRECTLY OVER ELECTRICAL PANELS. SPRINKLERS LOCATED IN ELECTRICAL ROOMS SHALL BE SUPPLIED BY PIPING THAT TERMINATES IN THE ROOM AND DOES NOT PASS OVER ELECTRICAL PANELS OR EQUIPMENT.
15. MAINTAIN MINIMUM 18" OF CLEARANCE BETWEEN THE SPRINKLER DEFLECTOR AND THE TOP OF STORAGE, SHELVING, FILES ETC.
16. ALL FLOW SWITCHES SHALL BE INTERLOCKED WITH THE BUILDING FIRE ALARM SYSTEM AND ANNUNCIATED ON TEH ENUNCIATOR PANEL.
17. ALL SHUTOFF VALVES IN THE FIRE PROTECTION SYSTEM SHALL BE AN INDICATING TYPE AND SHALL BE PROVIDED WITH A TAMPER SWITCH. EXCEPTION: DRAIN VALVES.
18. PROVIDE ACCESS PANELS FOR ALL VALVES AND ZONE CONTROLS LOCATED ABOVE HARD CEILINGS. COORDINATE SIZE AND LOCATION OF ACCESS PANEL WITH ARCHITECT.
19. ALL FIRE PROTECTION PIPING SHALL BE LABELED WITH THE DIRECTION OF FLOW INDICATED.
20. ALL FIRE PROTECTION MATERIALS SHALL BE MANUFACTURED IN THE USA. THIS INCLUDES ALL SPRINKLERS, BLACK STEEL PIPING, FITTINGS, VALVES, SWITCHES, HANGERS AND ALL OTHER APPURTENANCES IN THE FIRE PROTECTION SYSTEM.
21. ALL FIRE PROTECTION PIPING AND SYSTEM COMPONENTS SHALL BE CLOSELY COORDINATED WITH OTHER SYSTEMS SUCH AS MECHANICAL, PLUMBING, STRUCTURAL AND ELECTRICAL, DUE TO ITS SIZE. THE ROUTING OF MECHANICAL DUCTWORK TAKES PRECEDENCE AND FIRE PROTECTION PIPING SHALL BE ROUTED TO FACILITATE THE INSTALLATION OF THE MECHANICAL SYSTEMS. STRUCTURAL MEMBERS SHALL NOT BE CUT, NOTCHED, CORE DRILLED OR OTHERWISE PHYSICALLY MODIFIED.

SHOP DRAWING NOTES

PRIOR TO SUBMITTING FIRE PROTECTION SHOP DRAWINGS AND HYDRAULIC CALCULATIONS FOR REVIEW, PLEASE CONFIRM THE FOLLOWING HAVE BEEN COMPLETED

1.	FIRE PROTECTION SHOP DRAWINGS AND THE COVER PAGE FOR EACH SET OF HYDRAULIC CALCULATIONS ARE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF ALABAMA.
2.	ALL NODE POINTS IDENTIFIED IN THE HYDRAULIC CALCULATIONS APPEAR ON THE SHOP DRAWINGS AND THAT THE NOMENCLATURE BETWEEN THE TWO SETS OF DOCUMENTS MATCHES.
3.	SHOP DRAWINGS SHALL BE NEAT, ORDERLY AND CLEARLY LEGIBLE. NODE POINTS, PIPE SIZES, LENGTHS AND OTHER PERTINENT INFORMATION SHOULD NOT OVERLAP ARCHITECTURAL ELEMENTS, OTHER TEXT OR GRAPHICAL ELEMENTS SO THEY BECOME DIFFICULT TO READ WHEN PLOTTED.
4.	WHEN MULTIPLE NODE POINTS ARE LOCATED IN VERY CLOSE PROXIMITY TO ONE ANOTHER WITH IN THE PIPING SYSTEM, THAT LEADER LINES ARE USED TO IDENTIFY WHERE THE NODE POINT IS INTENDED TO BE APPLIED.
5.	REMOTE AREAS SHALL BE CLEARLY OUTLINED AND IDENTIFIED ON THE FIRE PROTECTION SHOP DRAWINGS AND THE NOMENCLATURE MATCHES THE HYDRAULIC CALCULATIONS.
6.	PIPE SCHEDULE, SPRINKLER HEAD K-FACTORS IDENTIFED IN THE HYDRAULIC CALCULATIONS MATCHES THE INFORMATION CONTAINED IN THE FIRE PROTECTION SUBMITTALS.

HYDRAULIC DESIGN CRITERIA

1.	SYSTEM DESIGN AND HYDRAULIC CALCULATIONS ARE A DELEGATED DESIGN.
2.	THE DESIGN SHALL BE BASED ON AREA AND DENSITY USING THE CRITERIA BELOW AND IN ACCORDANCE WITH THE CURRENT VERSION OF THE LOCALLY ADOPTED EDITION OF NFPA 13.
LIGHT HAZARD: 0.10 GPM/SQ.FT OVER THE HYDRAULICALLY MOST REMOTE 1,500 SQ.FT. HOSE STREAM: 100 GPM	
OFFICES, CONFERENCE ROOMS, EDUCATIONAL AREAS, DINING AREAS, GANG TOILET ROOMS, SINGLE OCCUPANT TOILET ROOMS OVER 50 SQ.FT, LOBBIES, VESTIBULES AND CORRIDORS.	
ORDINARY HAZARD - GROUP 1: 0.15 GPM/SQ.FT OVER THE HYDRAULICALLY MOST REMOTE 1,500 SQ.FT. HOSE STREAM: 250 GPM	
KITCHENS, MECHANICAL EQUIPMENT ROOMS, JANITORIAL CLOSETS, TRANSFORMER ROOMS, ELECTRICAL SWITCHGEAR ROOMS, ELECTRICAL CLOSETS, AND STORAGE SPACES UP TO 250 SQ.FT	
ORDINARY HAZARD - GROUP 2: 0.20 GPM/SQ.FT OVER THE HYDRAULICALLY MOST REMOTE 1,500 SQ.FT. HOSE STREAM: 250 GPM	
TRASH ROOMS, CLEAN AND SOILED LINEN ROOMS, LAUNDRY, STORAGE ROOMS OVER 250 SQ.FT, AND BOILER PLANTS.	
3.	ADD HOSE ALLOWANCE TO THE HYDRAULIC REQUIREMENTS.
4.	THE HYDRAULIC CALCULATIONS SHALL INCLUDE NOT LESS THAN A 10 PERCENT SAFETY FACTOR BELOW THE SYSTEM CURVE.
5.	FIRE HYDRANT FLOW TEST DATA IS PROVIDED FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE AN UP-TO-DATE FLOW TEST WITH THE LOCAL AUTHORITIES HAVING JURISDICTION AND PROVIDE FOR ANY COSTS INCURRED.

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Hoover, Alabama 35244
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ENTERPRISE, AL 36330

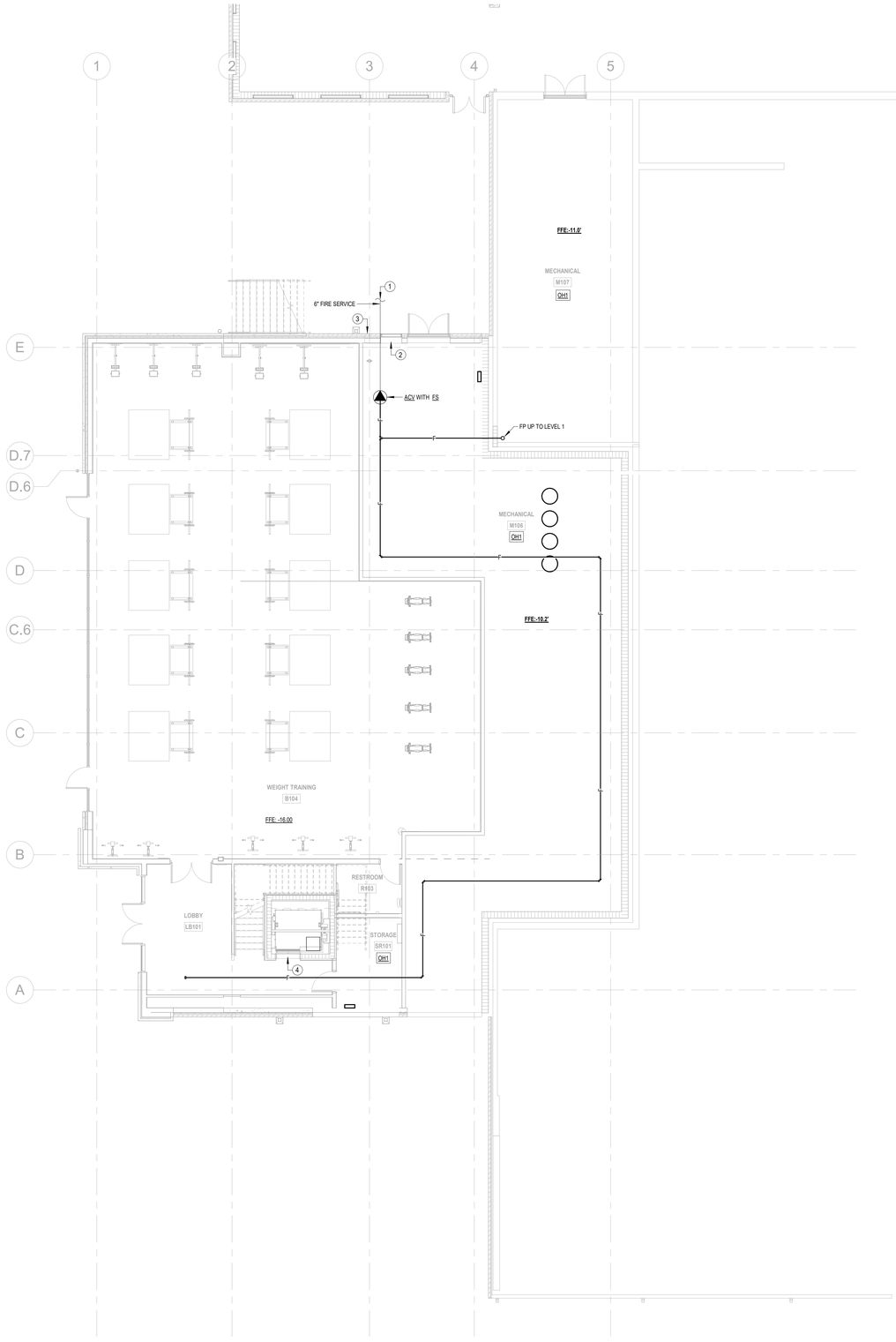
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FIRE PROTECTION - LEGEND, DETAILS & NOTES

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PLAN NORTH TRUE NORTH

1 BASEMENT - FIRE PROTECTION PLAN

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

HAZARD CLASSIFICATION NOTES

ALL ROOMS AND AREAS SHALL BE CONSIDERED LIGHT HAZARD (0.10 GPM/SQ.FT), UNLESS NOTED OTHERWISE ON THE PLANS. FOR AREAS WITH A HIGHER HAZARD CLASSIFICATION, PROVIDE COVERAGE AS INDICATED BELOW.

OH1 ORDINARY HAZARD - GROUP 1: PROVIDE 0.15 GPM/SQ.FT COVERAGE OVER THE HYDRAULICALLY MOST REMOTE 1,500 SQ.FT. HOSE STREAM: 250 GPM

OH2 ORDINARY HAZARD - GROUP 2: PROVIDE 0.20 GPM/SQ.FT COVERAGE OVER THE HYDRAULICALLY MOST REMOTE 1,500 SQ.FT. HOSE STREAM: 250 GPM

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DRAWING NOTES:

1. EXTEND PIPING 5'-0" BEYOND FOUNDATION AND CONNECT TO SITE PIPING. COORDINATE WITH CIVIL.
2. COORDINATE LOCATION OF FIRE RISER WITH HVAC. DO NOT OBSTRUCT DUCTWORK AND WALL LOUVER.
3. MAIN DRAIN.
4. PROVIDE FIRE PROTECTION AT BASE OF ELEVATOR.
5.

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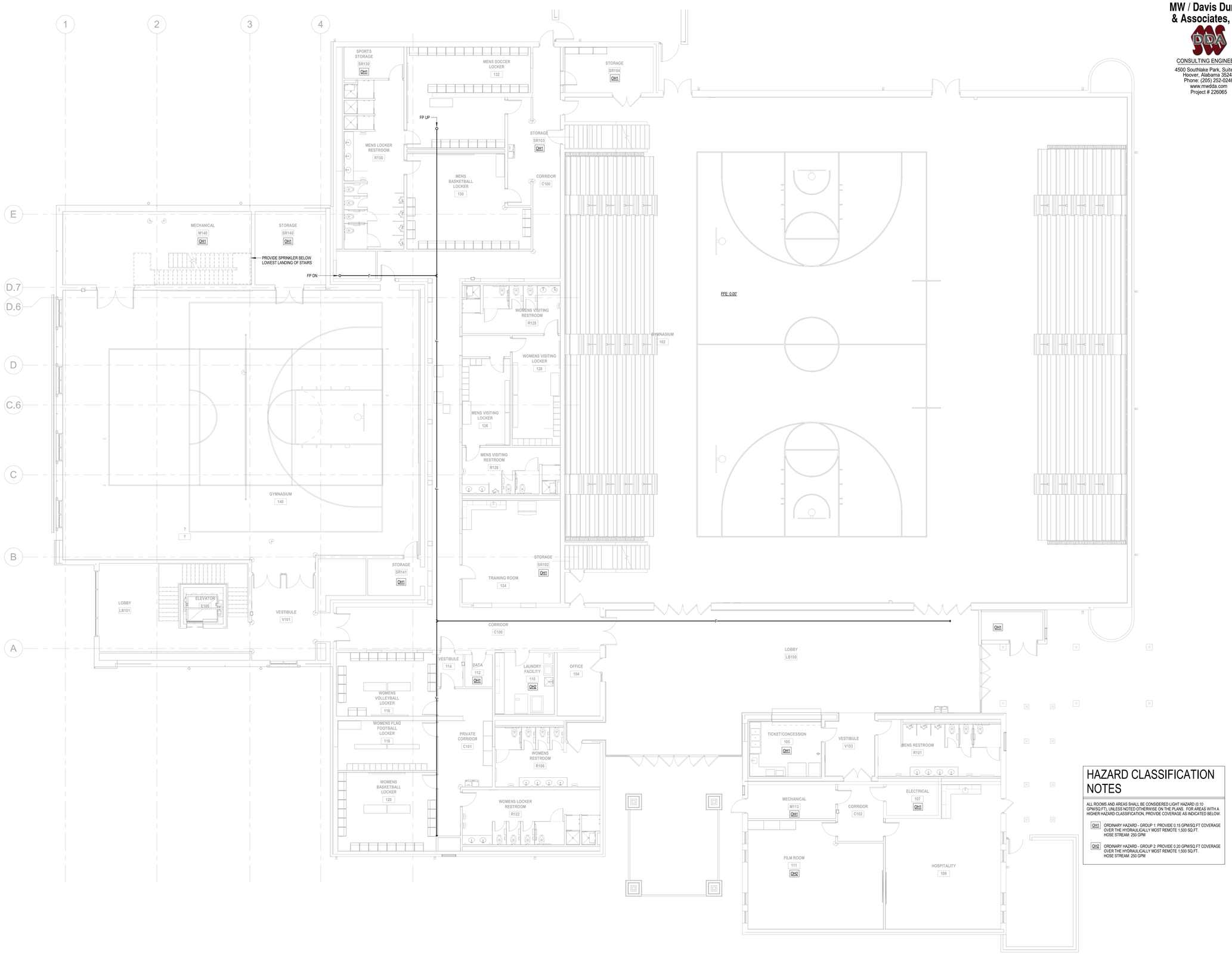
STATE OF ALABAMA
No. 14178
PROFESSIONAL
ENGINEER
JAMES S. DAVIS

11/06/26 225109

BASEMENT LEVEL - FIRE PROTECTION PLAN

F1.00

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HAZARD CLASSIFICATION NOTES

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QH1 ORDINARY HAZARD - GROUP 1: PROVIDE 0.15 GPM/SQ.FT COVERAGE OVER THE HYDRAULICALLY MOST REMOTE 1,500 SQ.FT.. HOSE STREAM: 250 GPM

QH2 ORDINARY HAZARD - GROUP 2: PROVIDE 0.20 GPM/SQ.FT COVERAGE OVER THE HYDRAULICALLY MOST REMOTE 1,500 SQ.FT. HOSE STREAM: 250 GPM

PLAN NORTH / TRUE NORTH

1 LEVEL 1- FIRE PROTECTION PLAN

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

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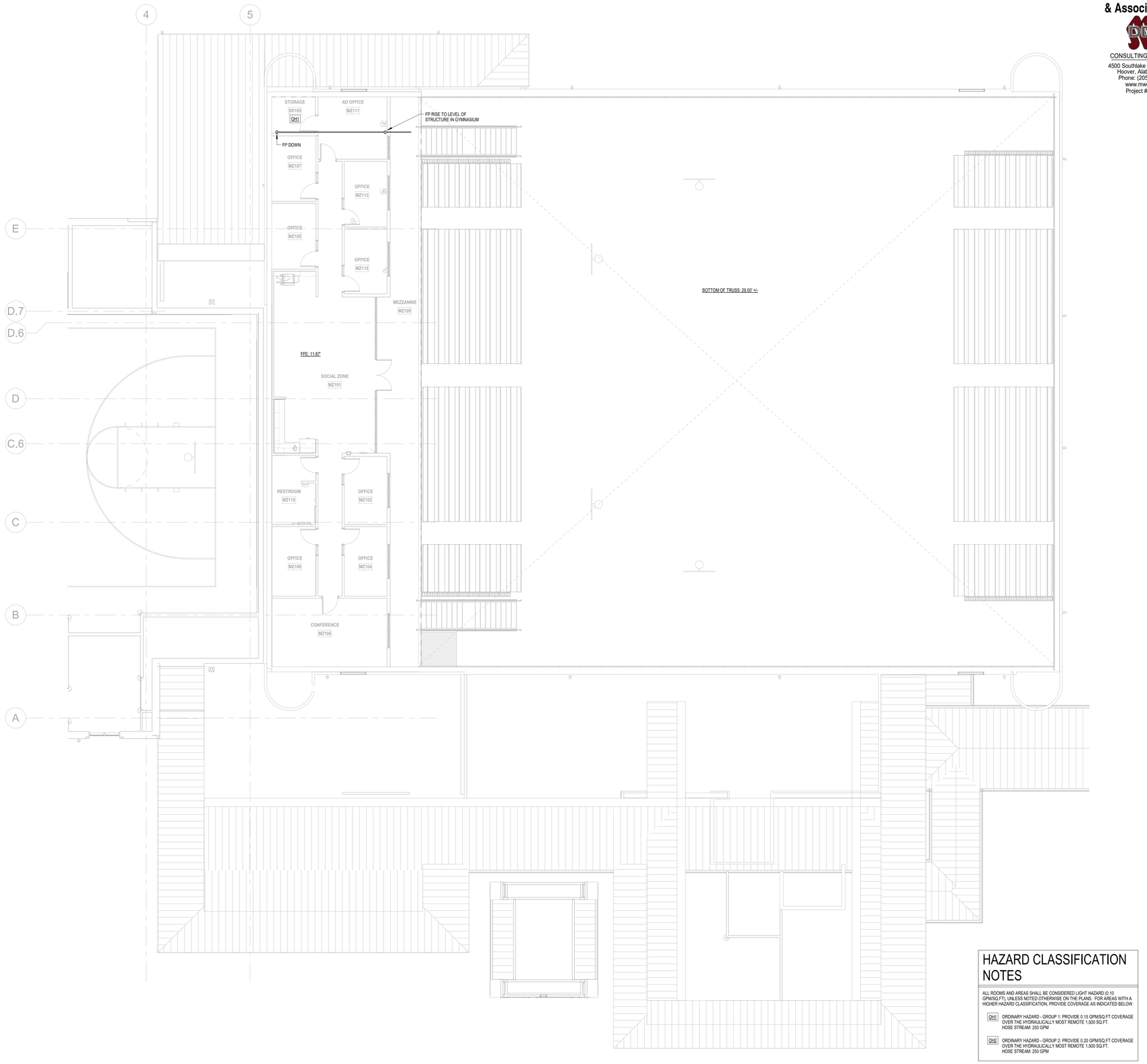


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LEVEL 1- FIRE PROTECTION PLAN

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HAZARD CLASSIFICATION NOTES

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QH1 ORDINARY HAZARD - GROUP 1: PROVIDE 0.15 GPM/SQ.FT COVERAGE OVER THE HYDRAULICALLY MOST REMOTE 1,500 SQ.FT. HOSE STREAM: 250 GPM

QH2 ORDINARY HAZARD - GROUP 2: PROVIDE 0.20 GPM/SQ.FT COVERAGE OVER THE HYDRAULICALLY MOST REMOTE 1,500 SQ.FT. HOSE STREAM: 250 GPM

PLAN NORTH / TRUE NORTH

1 MEZZANINE - FIRE PROTECTION PLAN

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

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JAMES S. DAVIS No. 14178 PROFESSIONAL ENGINEER
11/06/26
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MEZZANINE - FIRE PROTECTION PLAN

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GENERAL ELECTRICAL NOTES

1. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT AND WIRING MADE OBSOLETE BY THIS RENOVATION AND DISPOSE OF AS DIRECTED BY THE ARCHITECT.
2. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH ALL REQUIREMENTS OF ANY LOCAL APPLICABLE CODES OR ORDINANCES, PUBLIC UTILITY COMPANIES, STATE CODE, NATIONAL ELECTRICAL SAFETY CODE AND THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE WITH THE INTERIM AMENDMENTS THERETO.
3. EXISTING PANEL DIRECTORY CARDS MODIFIED BY THIS RENOVATION SHALL BE RETYPED TO INDICATE CONNECTED CIRCUITS.
4. THIS CONTRACTOR SHALL FURNISH ALL MATERIALS AND LABOR NECESSARY TO EXTEND CIRCUITS AND MAKE RECONNECTIONS TO ANY ACTIVE ELECTRICAL DEVICES ON WHICH THE BRANCH CIRCUIT IS INTERRUPTED BY THIS ALTERATION. CARE SHALL BE TAKEN TO INSURE THAT EXISTING PANEL AND FEEDER RATINGS ARE NOT EXCEEDED.
5. CONTRACTOR SHALL VISIT THE SITE OF THE WORK PRIOR TO SUBMITTING BID TO EXAMINE CAREFULLY LOCAL CONDITIONS AND DIFFICULTIES TO BE ENCOUNTERED, ANY DISCREPANCY BETWEEN PLANS AND EXISTING CONDITIONS SHALL IMMEDIATELY BE CALLED TO THE ATTENTION OF THE ARCHITECT.
6. THIS CONTRACTOR SHALL VERIFY EXACT REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT FROM MANUFACTURER'S 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.
7. THIS CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR NECESSARY TO EXTEND THE FIRE ALARM SYSTEM AS SHOWN ON THE PLANS TO INCLUDE THE FOLLOWING:
   - A. VERIFY THAT THE EXISTING SYSTEM IS IN GOOD WORKING ORDER PRIOR TO START OF WORK. REPORT ANY DEFICIENCIES TO THE ARCHITECT IN WRITING. FAILURE TO DO SO WILL MEAN THE CONTRACTOR IS ASSUMING FULL LIABILITY FOR THE SYSTEM.
   - B. EXPAND AND/OR MODIFY THE CONTROL PANEL AS NECESSARY TO ACCEPT THE NEW STATIONS.
   - C. RETAIN THE EQUIPMENT SUPPLIER TO CHECK OUT THE SYSTEM AND CERTIFY IT AS TO COMPLIANCE AND COMPLETION.
8. THIS CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR NECESSARY TO ACCOMPLISH THE FOLLOWING IN REGARD TO THE ELEVATOR SYSTEM:
   - A. VERIFY ALL POWER REQUIREMENTS WITH ELEVATOR SHOP DRAWINGS PRIOR TO ORDERING OR INSTALLING ANY MATERIAL RELATED TO THE ELEVATOR. NOTIFY ARCHITECT IMMEDIATELY IF REQUIREMENTS ARE DIFFERENT THAN INDICATED ON PLANS.
   - B. INSTALL NECESSARY AUXILIARY CONTROL RELAYS IN ELEVATOR DISCONNECT SWITCHES AS REQUIRED.
   - C. INSTALL SMOKE DETECTORS AT EACH ELEVATOR LOBBY, ELEVATOR MACHINE ROOM, TOP OF ELEVATOR SHAFT AND BOTTOM OF ELEVATOR SHAFT. INSTALL NECESSARY CONTROL RELAYS FOR ELEVATOR RECALL FUNCTIONS.
   - D. IF ELEVATOR SHAFT OR MACHINE ROOM IS SPRINKLED, INSTALL HEAT DETECTOR ADJACENT TO EACH SPRINKLER HEAD IN ELEVATOR SHAFT AND MACHINE ROOM. INSTALL SHUNT-TRIP BREAKER FOR FEEDER TO ELEVATOR CONTROLLER AND CONNECT HEAT DETECTORS TO TRIP SHUNT-TRIP BREAKERS PRIOR TO ACTIVATION OF SPRINKLER HEADS. MONITOR SHUNT-TRIP CONTROL CIRCUIT FOR OPERATING VOLTAGE.
   - E. IF ELEVATOR IS CONNECTED TO STANDBY POWER SOURCE, PROVIDE CONNECTIONS TO ASSOCIATED AUTOMATIC TRANSFER SWITCH AS DIRECTED BY SUPPLIER TO INCLUDE BUT NOT LIMITED TO PRE-TRANSFER SIGNAL AND EMERGENCY POWER OPERATION SIGNAL.
9. *** IMPORTANT **** EXPOSED CONDUIT IS NOT ACCEPTABLE IN OFFICES, CLASSROOMS, RESTROOOMS. ALL NEW DEVICES SHALL UTILIZE ONE OF THE FOLLOWING METHODS TO CONCEAL CONDUIT:
   - A. UTILIZE EXISTING OUTLET BOXES AND CONCEALED CONDUIT WHERE OUTLET BOXES COMPLY WITH ADA MOUNTING HEIGHTS.
   - B. FISH FLEXIBLE CONDUIT INSIDE WALL CAVITY AND INSTALL RECESSED OUTLET BOX.
   - C. TRENCH AND PATCH WALL TO ALLOW CONDUIT TO BE CONCEALED IN WALL.

CAMERA SPECIFICATIONS

1. ALL CAMERAS SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
   - A. TYPE "T1" CAMERAS SHALL BE VERKADA CH43-256-HW - FURNISH WITH VERKADA 1-YEAR CAMERA LICENSE.
   - B. TYPE "T2" CAMERAS SHALL BE VERKADA CH53-1TBE-HW - FURNISH WITH VERKADA 1-YEAR CAMERA LICENSE.
   - C. TYPE "T3" CAMERAS SHALL BE VERKADA CH63-512-HW - FURNISH WITH VERKADA 1-YEAR CAMERA LICENSE.
   - D. TYPE "T4" CAMERAS SHALL BE VERKADA CB63-512E-HW - FURNISH WITH VERKADA 1-YEAR CAMERA LICENSE.
   - E. TYPE "T5" CAMERAS SHALL BE VERKADA CY53-512E-HW - FURNISH WITH VERKADA 1-YEAR CAMERA LICENSE.
   - F. TYPE "T6" CAMERAS SHALL BE VERKADA CB53-256E-HW - FURNISH WITH VERKADA 1-YEAR CAMERA LICENSE.
   - G. TYPE "T7" CAMERAS SHALL BE VERKADA CD63-512-HW - FURNISH WITH VERKADA 1-YEAR CAMERA LICENSE.
   - H. TYPE "T8" CAMERAS SHALL BE VERKADA CD43-256-HW - FURNISH WITH VERKADA 1-YEAR CAMERA LICENSE.

VERIFY EXACT LOCATION OF ALL CAMERAS WITH VERKADA VENDOR PRIOR TO INSTALLATION.

GENERAL ELECTRICAL LEGEND

NORMAL / EMERGENCY

- FIXTURE OUTLET - SURFACE OR PENDANT MOUNTED LIGHT FIXTURE.
- FIXTURE OUTLET - CHANDELIER LIGHT FIXTURE.
- FIXTURE OUTLET - RECESSED LIGHT FIXTURE.
- FIXTURE OUTLET - LINEAR - SURFACE OR PENDANT MOUNTED LIGHT FIXTURE.
- FIXTURE OUTLET - LINEAR - RECESSED LIGHT FIXTURE.
- FIXTURE OUTLET - WALL MOUNTED LIGHT FIXTURE.
- FIXTURE OUTLET - EXIT SIGN - CEILING OR WALL MOUNTED AS INDICATED - QUANTITY AND ORIENTATION OF FACES AND DIRECTIONAL ARROWS AS INDICATED.

FIXTURE OUTLET DESIGNATIONS:

A	FIXTURE TYPE "A" - MAY BE USED WITH OTHER TYPES.
b	SWITCH LEG TO WHICH FIXTURE IS CONNECTED - MAY BE USED WITH OTHER LOWER-CASE LETTERS.
2	CIRCUIT NUMBER - MAY BE USED WITH OTHER NUMBERS.
DL	INDICATES FIXTURE CONTROLLED BY DAYLIGHTING SENSOR.
EM	EMERGENCY FIXTURE.
NL	NIGHT LIGHT - DO NOT SWITCH.
PC	INDICATES FIXTURE CONTROLLED BY PHOTO-CELL.
SL	SECURITY LIGHT - DUSK-TO-DAWN OPERATION.

- $ — SWITCH OUTLET - S.P.S.T. - 20A - 120-277VAC.
- $3 — SWITCH OUTLET - 3 WAY - 20A - 120-277VAC.
- $a — SWITCH OUTLET - CONTROLS OUTLET "a", ETC.
- $L — LIGHTING CONTROL SYSTEM - SWITCH OUTLET - LOW VOLTAGE - DIGITAL - BUTTONS AS REQUIRED FOR INDEPENDENT ON/OFF CONTROL OF EACH ZONE IN SPACE - CONNECT TO ASSOCIATED ROOM CONTROLLER PER DIAGRAM "E-RC".
- $D — LIGHTING CONTROL SYSTEM - SWITCH OUTLET - LOW VOLTAGE - DIGITAL - BUTTONS AS REQUIRED FOR INDEPENDENT DIMMING AND ON/OFF CONTROL OF EACH ZONE IN SPACE - CONNECT TO ASSOCIATED ROOM CONTROLLER PER DIAGRAM "E-RC".
- $O — SWITCH OUTLET - OCCUPANCY SENSOR WITH MANUAL OVERRIDE - S.P.S.T. - 120-277VAC - P.I.R. SENSOR - WATTSTOPPER PW-301 OR EQUAL - RATED 800W AT 120VAC AND 1200W AT 277VAC - GREY WITH STAINLESS STEEL COVERPLATE.
- $X — SWITCH OUTLET - MANUAL MOTOR STARTER - TOGGLE TYPE - 2 POLE - SQUARE "D" TYPE K01 WITH ENCLOSURE AS REQUIRED BY APPLICATION - PROVIDE LOCK-OFF HARDWARE.
- $LC* — LIGHTING CONTROL SYSTEM - SWITCH OUTLET - DIGITAL LOW-VOLTAGE - SWITCH TO OPERATE RELAY(S) IN LIGHTING CONTROL PANEL (AS INDICATED WITHIN LIGHTING CONTROL PANEL SCHEDULES) PROVIDE NUMBER OF BUTTONS AS REQUIRED - ASTERISK "*" INDICATES SWITCH IDENTIFIER - WITH BI-COLOR PILOT LIGHT STATUS LED'S AND MECHANICALLY-PRINTED LABELING FOR EACH BUTTON - GREY WITH STAINLESS STEEL COVERPLATE.
- LIGHTING CONTROL PANEL.
- OR — LIGHTING CONTROL SYSTEM - OCCUPANCY SENSOR - CEILING OR WALL MOUNTED AS INDICATED - EXACT MOUNTING PROVISIONS, SENSOR TYPE AND LOCATION SHALL BE AS DIRECTED BY SUPPLIER FOR PROPER COVERAGE - DIGITAL - DUAL TECHNOLOGY (P.I.R. AND ULTRASONIC) - ACUITY N-LIGHT nCM (CENTER OF CEILING MOUNT) OR nWV (WALL OR CEILING CORNER MOUNT) OR EQUAL - CONNECT TO ASSOCIATED ROOM CONTROLLER PER DIAGRAM "E-RC".
- R — LIGHTING CONTROL SYSTEM - ON/OFF ROOM CONTROLLER(S) - LOW VOLTAGE - ACUITY N-LIGHT OR EQUAL - MOUNT AS DIRECTED BY SUPPLIER ABOVE ACCESSIBLE CEILING - PROVIDE ALL INTERCONNECTIONS (LOW VOLTAGE AND LINE VOLTAGE) TO SENSORS, CONTROL SWITCHES, LIGHT FIXTURES, ETC. TO CONTROL LOCAL LIGHTING AS DIRECTED BY SUPPLIER - SEE DETAIL "E-RC".
- RD — LIGHTING CONTROL SYSTEM - DIMMING ROOM CONTROLLER(S) - LOW VOLTAGE - ACUITY N-LIGHT OR EQUAL - MOUNT AS DIRECTED BY SUPPLIER ABOVE ACCESSIBLE CEILING - PROVIDE ALL INTERCONNECTIONS (LOW VOLTAGE AND LINE VOLTAGE) TO SENSORS, CONTROL SWITCHES, LIGHT FIXTURES, ETC. TO CONTROL LOCAL LIGHTING AS DIRECTED BY SUPPLIER - WHERE LIGHTING LOADS REQUIRE LINE-VOLTAGE DIMMING, FURNISH PHASE DIMMING CONTROLLER(S) AS REQUIRED TO BE COMPATIBLE WITH LOAD TYPE - SEE DETAIL "E-RC".
- RDN — LIGHTING CONTROL SYSTEM - NETWORKED DIMMING ROOM CONTROLLER(S) - LOW VOLTAGE - ACUITY N-LIGHT OR EQUAL - MOUNT AS DIRECTED BY SUPPLIER ABOVE ACCESSIBLE CEILING - PROVIDE ALL INTERCONNECTIONS (LOW VOLTAGE AND LINE VOLTAGE) TO SENSORS, CONTROL SWITCHES, LIGHT FIXTURES, ETC. TO CONTROL LOCAL LIGHTING AND TO NETWORK TO CENTRAL LIGHTING CONTROL SYSTEM AS DIRECTED BY SUPPLIER - WHERE LIGHTING LOADS REQUIRE LINE-VOLTAGE DIMMING, FURNISH PHASE DIMMING CONTROLLER(S) AS REQUIRED TO BE COMPATIBLE WITH LOAD TYPE - SEE DETAIL "E-RC".
- INV1 — EMERGENCY LIGHTING INVERTER - 125W - VOLTAGE AS REQUIRED BY APPLICATION - ISOLITE E3MINI-125-LC - CONNECT AS REQUIRED TO SWITCH OUTPUT WITH SWITCHED INPUT WHERE APPLICABLE.
- INV7 — EMERGENCY LIGHTING INVERTER - 750W - VOLTAGE AS REQUIRED BY APPLICATION - ISOLITE OR EQUAL - CONNECT AS REQUIRED TO SWITCH OUTPUT WITH SWITCHED INPUT WHERE APPLICABLE.

DUPLEX / DOUBLE DUPLEX

- WALL OUTLET - RECEPTACLE - 20A - 125V - 2P - 3W - GROUNDING - NEMA 5-20R - SINGLE PLATE - TAMPER RESISTANT.
- WALL OUTLET - RECEPTACLE - 20A - 125V - 2P - 3W - GROUNDING - "GFI" TYPE - WEATHER RESISTANT - NEMA 5-20R - SINGLE PLATE - TAMPER RESISTANT.
- WALL OUTLET - RECEPTACLE - 20A - 125V - 2P - 3W - GROUNDING - NEMA 5-20R WITH ONE (1) TYPE A USB PORT AND ONE (1) TYPE C USB PORT FOR EVERY ONE DUPLEX (1) RECEPTACLE - SINGLE PLATE - TAMPER RESISTANT.
- WALL OUTLET - SINGLE RECEPTACLE - GROUNDING - TWIST-LOCK 30A - 125V - 2P - 3W - NEMA L5-30R.
- WALL OUTLET - SINGLE RECEPTACLE - 15A - 125V - 2P - 3W - GROUNDING - CLOCK OUTLET - HUBBELL HBL5235.
- T — LOW VOLTAGE TRANSFORMER - 120V-1Ø PRIMARY - 24VAC SECONDARY - MOUNT IN NEMA 1 ENCLOSURE ABOVE CEILING - WITH PRIMARY & SECONDARY FUSING AS REQUIRED - VA RATING AS REQUIRED - SEE DOOR BELL SYSTEM CONNECTION DIAGRAM.
- "x"D PT2 — MULTISERVICE POKE-THRU - SEE DETAIL "E-PT2" - "*"D" REPRESENTS REQUIRED COMMUNICATIONS JACK CONFIGURATION - PROVIDE COMMUNICATIONS JACKS, CABLING ETC. PER COMMUNICATION OUTLET LEGEND AT "E-CO".
- *D▽ — COMMUNICATIONS OUTLET - SEE DETAIL "E-CO" - "D REPRESENTS REQUIRED COMMUNICATIONS JACK CONFIGURATIONS.
- *D — WIRELESS ACCESS POINT - ABOVE CEILING OR AT EXPOSED OVERHEAD STRUCTURE - PROVIDE OUTLET BOX ABOVE ACCESSIBLE CEILING OR AT EXPOSED OVERHEAD STRUCTURE FOR OWNER-PROVIDED DATA SYSTEM WIRELESS ACCESS POINT - WITH DATA CABLE(S) (AS INDICATED BY "*D" DESIGNATION PER COMMUNICATIONS OUTLET LEGEND AT DETAIL "E-CO") TO RACK WITHIN NEAREST TELECOMM EQUIPMENT ROOM - TERMINATE CABLE AT PATCH PANEL WITHIN EQUIPMENT ROOM AND LEAVE 10'-0" SLACK CABLE NEATLY COILED ABOVE CEILING AT LOCATION OF ACCESS POINT - INSTALL WIRELESS ACCESS DEVICE FURNISHED BY OWNER.
- TELEPHONE BACKBOARD - 8' H x 3/4" THICK x LENGTH AS SHOWN ON PLANS - SEE DETAIL "E-MSG" FOR GROUNDING REQUIREMENTS - FINISH WITH TWO (2) COATS FIRE-RETARDANT ENAMEL PAINT - PAINT COLOR TO MATCH SURROUNDING WALLS.

OUTLET INSTALLATION DESIGNATIONS (APPLY TO ALL OUTLETS, DEVICES & EQUIPMENT):

A	ABOVE COUNTER - OUTLET SHALL BE MOUNTED 6 INCHES ABOVE DESK/COUNTERTOP, OR 4 INCHES ABOVE COUNTERTOP BACKSPLASH AS REQUIRED BY CONDITION, OR 48" A.F.F. OR AS NOTED.
C	OUTLET MOUNTED FLUSH WITHIN CEILING - VERIFY EXACT LOCATIONS PRIOR TO ROUGH-IN.
CPR	OUTLET MOUNTED TO INDUSTRIAL CORD REEL - HUBBELL HBL45123R20 INDUSTRIAL CORD REEL (AT STRUCTURE ABOVE) WITH 12/3 SJEO PENDANT CABLE (45' MINIMMUM) TO OUTLET BOX (AT END OF CABLE) WITH RECEPTACLE TYPE (GFCI, ETC.) AS INDICATED ON PLANS.
CW	INSTALL OUTLET WITHIN CASEWORK AND ROUTE CIRCUITRY (IN CONDUIT) WITHIN CASEWORK AS DIRECTED BY CASEWORK PROVIDER.
E	EMERGENCY CIRCUIT - PROVIDE RED DEVICE - MAINTAIN SEPARATION BETWEEN NORMAL AND EMERGENCY CIRCUITRY (WITH SEPARATE CONDUITS AND METAL BARRIERS AS REQUIRED) PER NEC ARTICLE 700.10(B).
GFR	CONNECT ASSOCIATED OUTLET DOWNSTREAM OF REMOTE, RECESSED FACELESS GFI DEVICE - DEVICE AND FACEPLATE FINISH SHALL MATCH ASSOCIATED OUTLET - LOCATE GFI DEVICE AS INCONSPICUOUSLY AS POSSIBLE IN READILY ACCESSIBLE LOCATION ADJACENT TO ASSOCIATED EQUIPMENT.
VL	VERIFY EXACT OUTLET LOCATION WITH OWNER PRIOR TO ROUGH-IN.
W	WEATHER PROOF - OUTLET SHALL BE INSTALLED WITH WEATHERPROOF, EXTRA-DUTY, IN-USE, CAST COVER.
WG	WIREGUARD - EQUIPMENT AND DEVICES SHALL BE PROVIDED WITH FACTORY FURNISHED WIREGUARD.

EQUIPMENT OUTLET DESIGNATIONS (APPLY TO ALL OUTLETS, DEVICES & EQUIPMENT):

COP	COPYING MACHINE OUTLET.
DF	DRINKING FOUNTAIN OUTLET - EXACT MOUNTING HEIGHT AS DIRECTED BY EQUIPMENT SUPPLIER.
DR	DRYER OUTLET - MOUNT AT 36" A.F.F. UNLESS DIRECTED OTHERWISE BY EQUIPMENT SUPPLIER.
DW	BELOW COUNTER DISHWASHER OUTLET - VERIFY EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER.
GD	GARBAGE DISPOSAL OUTLET - VERIFY EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER - PROVIDE TOGGLE-TYPE CONTROL SWITCH (IN CAST BOX) IN ACCESSIBLE LOCATION IN BASE CABINET BELOW SINK UNLESS SHOWN OTHERWISE.
HD	VENTILATION HOOD OUTLET.
MW	MICROWAVE (OR COMBINATION MICROWAVE/VENTILATION HOOD) OUTLET - VERIFY EXACT LOCATION WITH ARCHITECTURAL ELEVATION PRIOR TO ROUGH-IN.
RF	REFRIGERATOR/FREEZER OUTLET - MOUNT AT 36" A.F.F. UNLESS DIRECTED OTHERWISE BY EQUIPMENT SUPPLIER.
TV	TELEVISION OUTLET - MOUNTING HEIGHT AS DIRECTED BY ARCHITECT.
V	VENDING MACHINE OUTLET - MOUNT AT 36" A.F.F. UNLESS DIRECTED OTHERWISE BY EQUIPMENT SUPPLIER.
WM	WASHING MACHINE OUTLET - MOUNT AT 36" A.F.F. UNLESS DIRECTED OTHERWISE BY EQUIPMENT SUPPLIER.

- (J) — WALL OUTLET - JUNCTION BOX - FLUSH MOUNTED.
- (J) — CEILING OUTLET - JUNCTION BOX.
- BRANCH/FEEDER CIRCUIT - CONCEALED IN WALLS OR CEILING.
- BRANCH/FEEDER CIRCUIT - CONCEALED IN FLOOR SLAB OR DIRT FILL.
- BRANCH/FEEDER CIRCUIT - HOMERUN - CAN BE USED WITH OTHER BRANCH/FEEDER TYPES.

BRANCH/FEEDER CIRCUIT MODIFIERS:

- ——— : 2#12 & 1#12G UNLESS NOTED OTHERWISE.
- ——//—— : 3#12 & 1#12G, ETC. UNLESS NOTED OTHERWISE (TICK MARKS INDICATE CONDUCTOR QUANTITY NOT INCLUDING GROUND WIRE).
- ——10—— : 2#10 & 1#10G UNLESS NOTED OTHERWISE (NUMBER INDICATES WIRE AWG).

SIZE CONDUIT PER N.E.C. UNLESS INDICATED OTHERWISE.

- FLEXIBLE CONNECTION TO EQUIPMENT.
- BRANCH CIRCUIT - RISER DOWN OR GENERAL CONDUIT STUB-OUT.
- POWER DISTRIBUTION EQUIPMENT.
- LIGHTING PANEL - SURFACE MOUNTED.
- TRANSFORMER - POWER.
- DISCONNECT SWITCH - NONFUSED.
- DISCONNECT SWITCH - FUSED.
- GROUND CONNECTION.
- (M) — MOTOR OUTLET - SIZE AS SHOWN.
- FAAP — FIRE ALARM - ANNUNCIATOR PANEL - EXISTING.
- FACP — FIRE ALARM - CONTROL PANEL - EXISTING.
- FIRE ALARM - PULL STATION.
- SM — FIRE ALARM - SMOKE DETECTOR.
- SM — FIRE ALARM - SMOKE DETECTOR - DUCT MOUNTED - LOCATE AS DIRECTED BY MECHANICAL - FURNISH CONTROL RELAY COMPATIBLE WITH FIRE ALARM SYSTEM FOR FAN SHUT DOWN - FURNISH TEST/ALARM INDICATOR STATION(S) LOCATED IN ACCESSIBLE, INCONSPICUOUS LOCATION AS APPROVED BY AUTHORITY HAVING JURISDICTION.
- FIRE ALARM - COMBINATION SPEAKER AND VISUAL INDICATOR - CEILING OR WALL MOUNTED AS INDICATED.
- FIRE ALARM - VISUAL INDICATOR ONLY - CEILING OR WALL MOUNTED AS INDICATED.
- FIRE ALARM - SPEAKER - CEILING MOUNTED.
- FS — FIRE ALARM - FLOW SWITCH - VERIFY EXACT QUANTITIES AND LOCATIONS PRIOR TO ROUGH-IN.
- TS — FIRE ALARM - TAMPER SWITCH - VERIFY EXACT QUANTITIES AND LOCATIONS PRIOR TO ROUGH-IN.
- FR SS — FIRE ALARM - ADDRESSABLE CONTROL RELAY- FOR SOUND SYSTEM SHUTOFF INTERLOCK - PROVIDE INTERLOCK TO SOUND SYSTEM AS REQUIRED IN 3/4" CONDUIT.
- FR EL — FIRE ALARM - ADDRESSABLE CONTROL RELAY(S) - FOR ELEVATOR CAR RETURN - QUANTITY OF RELAYS AS DIRECTED BY ELEVATOR EQUIPMENT SUPPLIER - PROVIDE INTERLOCK TO ELEVATOR CONTROLLER AS REQUIRD IN 3/4" CONDUIT.
- BDA — EMERGENCY RESPONDER RADIO COVERAGE SYSTEM - MASTER EQUIPMENT.
- DAP — EMERGENCY RESPONDER RADIO COVERAGE SYSTEM - ANNUNCIATOR - FLUSH-MOUNTED.
- RAM — RESCUE ASSISTANCE SYSTEM - MASTER - FLUSH-MOUNTED - SEE RESCUE ASSISTANCE RISER DIAGRAM.
- RA — RESCUE ASSISTANCE SYSTEM - CALL STATION - FLUSH-MOUNTED - SEE RESCUE ASSISTANCE SYSTEM RISER DIAGRAM.
- CR — ACCESS CONTROL SYSTEM - CARD READER - SEE DETAIL "E-CR".
- CP — ACCESS CONTROL SYSTEM - POWER SUPPLY.
- T* C OR C T* — CCTV SYSTEM - CAMERA - CEILING OR WALL MOUNTED AS INDICATED - SEE DETAIL "E-CO" - CAMERA FURNISHED AND INSTALLED BY CONTRACTOR - REFER TO CAMERA SPECIFICATIONS THIS SHEET FOR ADDITIONAL INFORMATION - "T*" INDICATES CAMERA TYPE.
- ST — SHUNT-TRIP OPERATOR - 2 1/4" DIAMETER, RED, MUSHROOM-STYLE, MAINTAINED-CONTACT PUSH BUTTON WITH PROTECTIVE COVER - PUSH "IN" TO SHUNT TRIP ASSOCIATED BREAKERS - PROVIDE CONTACTS AS REQUIRED FOR SHUTDOWN - SQUARE "D" OR EQUAL - LABEL WITH RED ENGRAVED NAMEPLATE TO IDENTIFY FUNCTION.

- SSRG — GYMNASIUM SOUND SYSTEM - RACK.
- WB — GYMNASIUM SOUND SYSTEM - AV WALL BOX - FLUSH-MOUNTED - FSR-WB-X3-PLT WITH WB-X3-CVR COVER - 18" A.F.F.
- WIFI — GYMNASIUM SOUND SYSTEM - WIRELESS DATA CONNECTION ANTENNA.
- WNT1 — GYMNASIUM SOUND SYSTEM - WIRELESS MICROPHONE ANTENNA.
- WNT2 — GYMNASIUM SOUND SYSTEM - WIRELESS MICROPHONE ANTENNA.
- ALS — GYMNASIUM SOUND SYSTEM - ASSISTED LISTENING ANTENNA.
- SG — GYMNASIUM SOUND SYSTEM - GLOBE SPEAKER.
- SW — GYMASIUM SOUND SYSTEM - SUB-WOOFER.
- SG — BRANCH CIRCUIT - GYMNASIUM SOUND SYSTEM - CABLING AS REQUIRED IN 3/4"C UNLESS NOTED OTHERWISE - HOMERUN TO SOUND SYSTEM RACK.
- A / E-1 — DETAIL DESIGNATOR - "A" INDICATED DETAIL MARK - "E-1" INDICATED SHEET NUMBER WHERE DETAIL IS LOCATED (TYPICAL).

GENERAL ABBREVIATIONS:

EX	EXISTING TO REMAIN.
XR	EXISTING TO BE REMOVED - REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, DEVICES, CONDUIT AND WIRING CONNECTIONS TO OTHER ELECTRICAL ITEMS UNLESS SHOWN OTHERWISE.
XRL	EXISTING TO BE RELOCATED - REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, DEVICES, CONDUIT AND WIRING AT EXISTING LOCATION. RELOCATE ITEM TO NEW LOCATION SHOWN ON ELECTRICAL PLANS. EXTEND AND RECONNECT EXISTING CONDUIT, WIRING, ETC. TO NEW LOCATION AS REQUIRED UNLESS SHOWN OTHERWISE.
XRP	EXISTING TO BE REPLACED - EXTEND AND RECONNECT EXISTING CONDUIT AND WIRING TO REPLACED ITEM.

ELECTRICAL ABBREVIATIONS:

A	AMPERES.	NSV	NEW, SPARE OR VACATED.
AIC	AMPERES INTERRUPTING CAPACITY.	OC	ON CENTER.
AFF	ABOVE FINISHED FLOOR.	P	POLES.
AL	ALUMINUM.	PF	POWER FACTOR.
ATS	AUTOMATIC TRANSFER SWITCH.	Ø	PHASE.
AWG	AMERICAN WIRE GAUGE.	PVC	POLYVINYL CHLORIDE.
C	CONDUIT.		
CU	COPPER.	SLD	SINGLE LINE DIAGRAM.
EC	EMPTY CONDUIT. OR ELECTRICAL CONTRACTOR.	SS	STAINLESS STEEL.
		UL	UNDERWRITERS LABORATORY.
FPN	FUSE PER NAMEPLATE.	UNO	UNLESS NOTED OTHERWISE.
G	GROUND CONDUCTOR.	V	VOLTS.
KVA	KILOVOLT-AMPERES.	W	WIRES.
KW	KILOWATT.		
LV	LOW VOLTAGE.	CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
MCM	THOUSAND CIRCULAR MILS.		
MV	MEDIUM VOLTAGE.	CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED.
N	NEUTRAL.		
NEC	NATIONAL ELECTRICAL CODE.	OFOI	OWNER FURNISHED, OWNER INSTALLED.
NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION.	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED.
NIC	NOT IN CONTRACT.		

TYPICAL CIRCUITRY DESIGNATIONS:

2 SETS OF 4#3/0 & 1#3G - 2 1/2"C

- CONDUIT SIZE.
- GROUND CONDUCTOR WIRE GAUGE.
- QUANTITY OF GROUND CONDUCTORS (PER SET)
- PHASE/NEUTRAL CONDUCTOR WIRE GAUGE.
- QUANTITY OF PHASE/NEUTRAL CONDUCTORS (PER SET).
- QUANTITY OF PARALLEL SETS OF THE PHASE/NEUTRAL CONDUCTORS, GROUND CONDUCTOR AND CONDUIT SPECIFIED.

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DRAWN BY: JRA
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ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

ACCS # [00000]
GMC ABHM250051

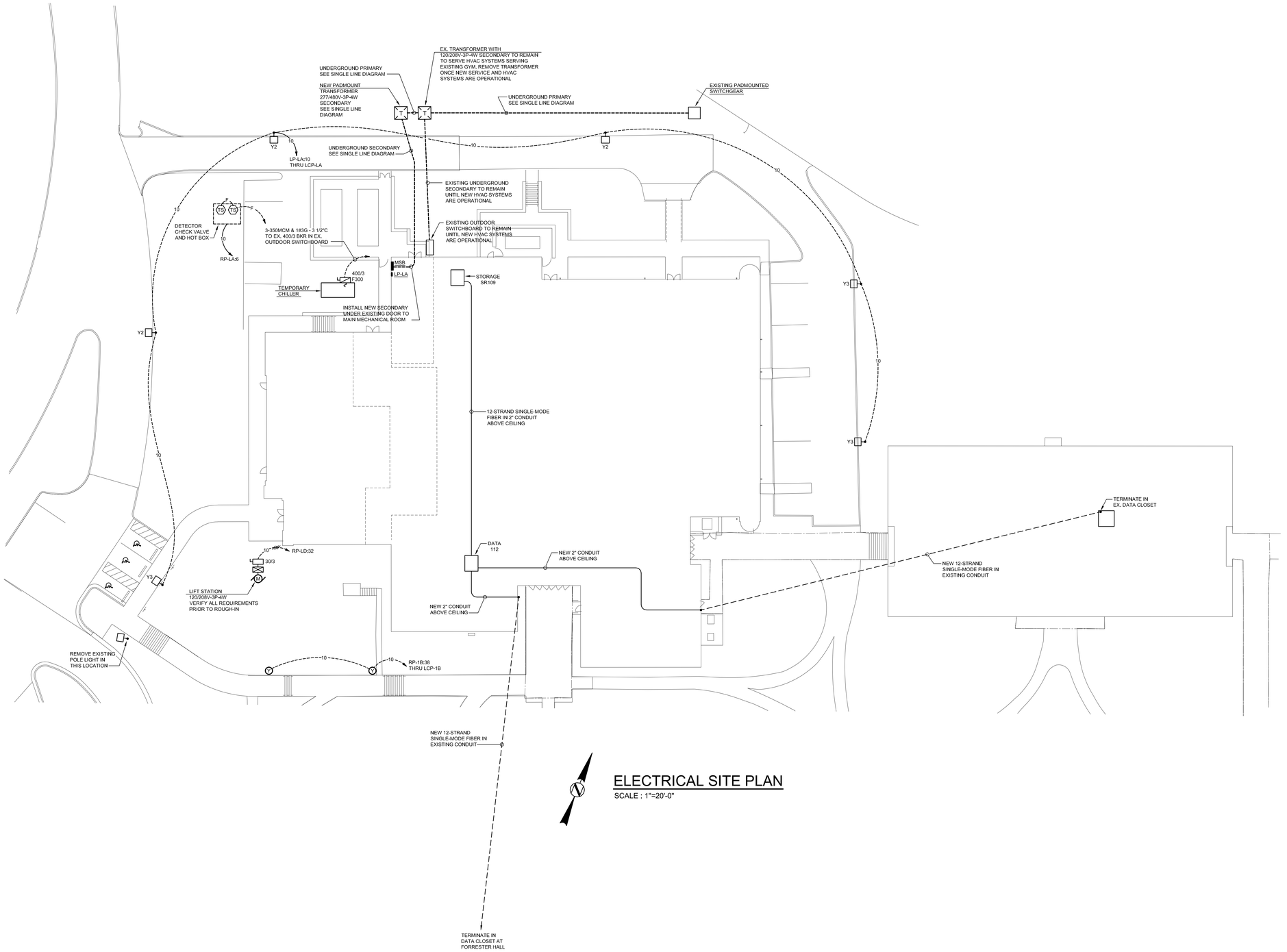
ALABAMA LICENSED PROFESSIONAL ENGINEER No. 24483 ROBERT C. RENFRO
2026.11.06

ELECTRICAL LEGEND AND NOTES

E0.01

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ELECTRICAL SITE PLAN

SCALE : 1"=20'-0"

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2026.11.06

ELECTRICAL SITE PLAN

E1.01

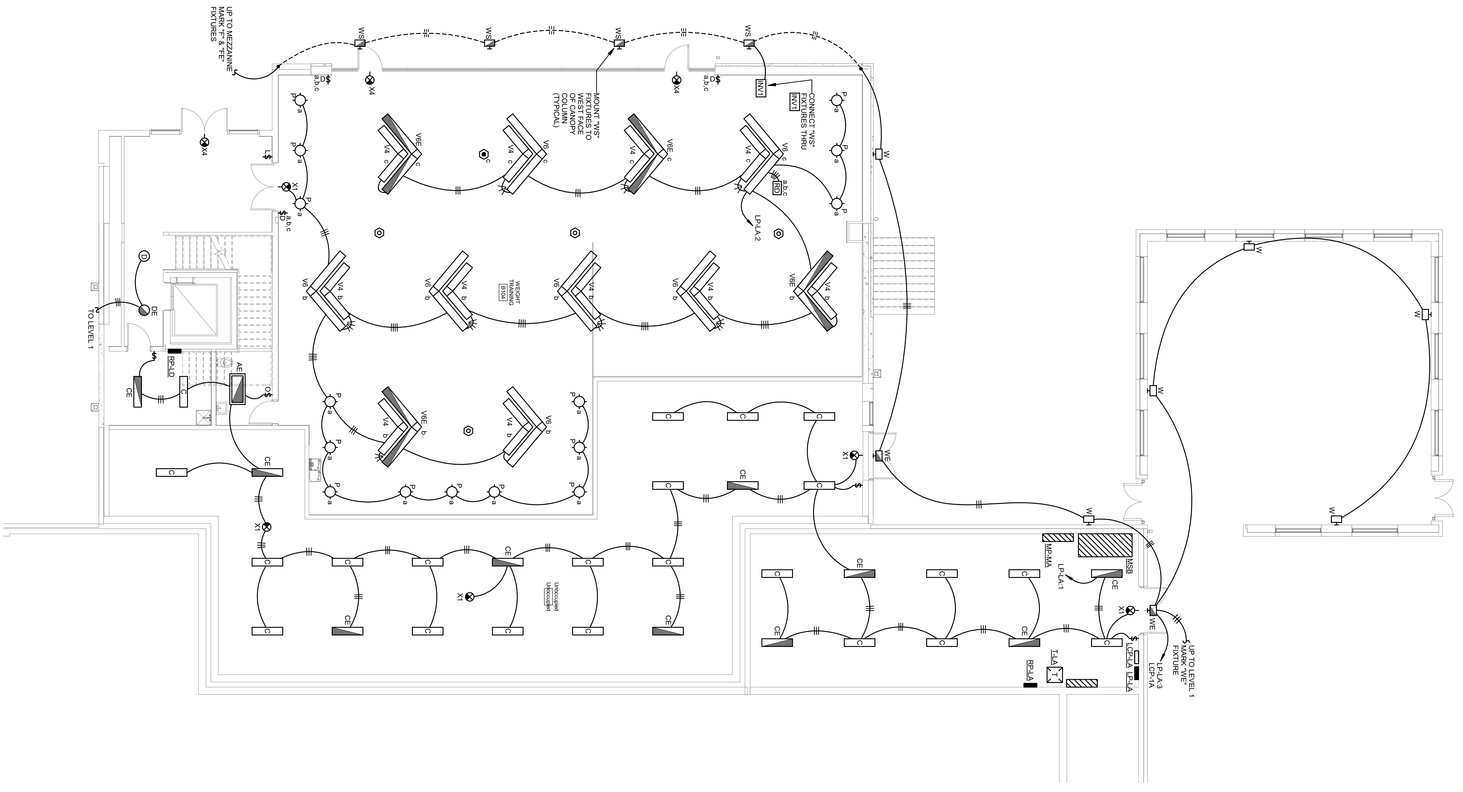
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1 E1.11 LIGHTING PLAN - LOWER LEVEL

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



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.

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LIGHTING PLAN - LOWER LEVEL

E1.11

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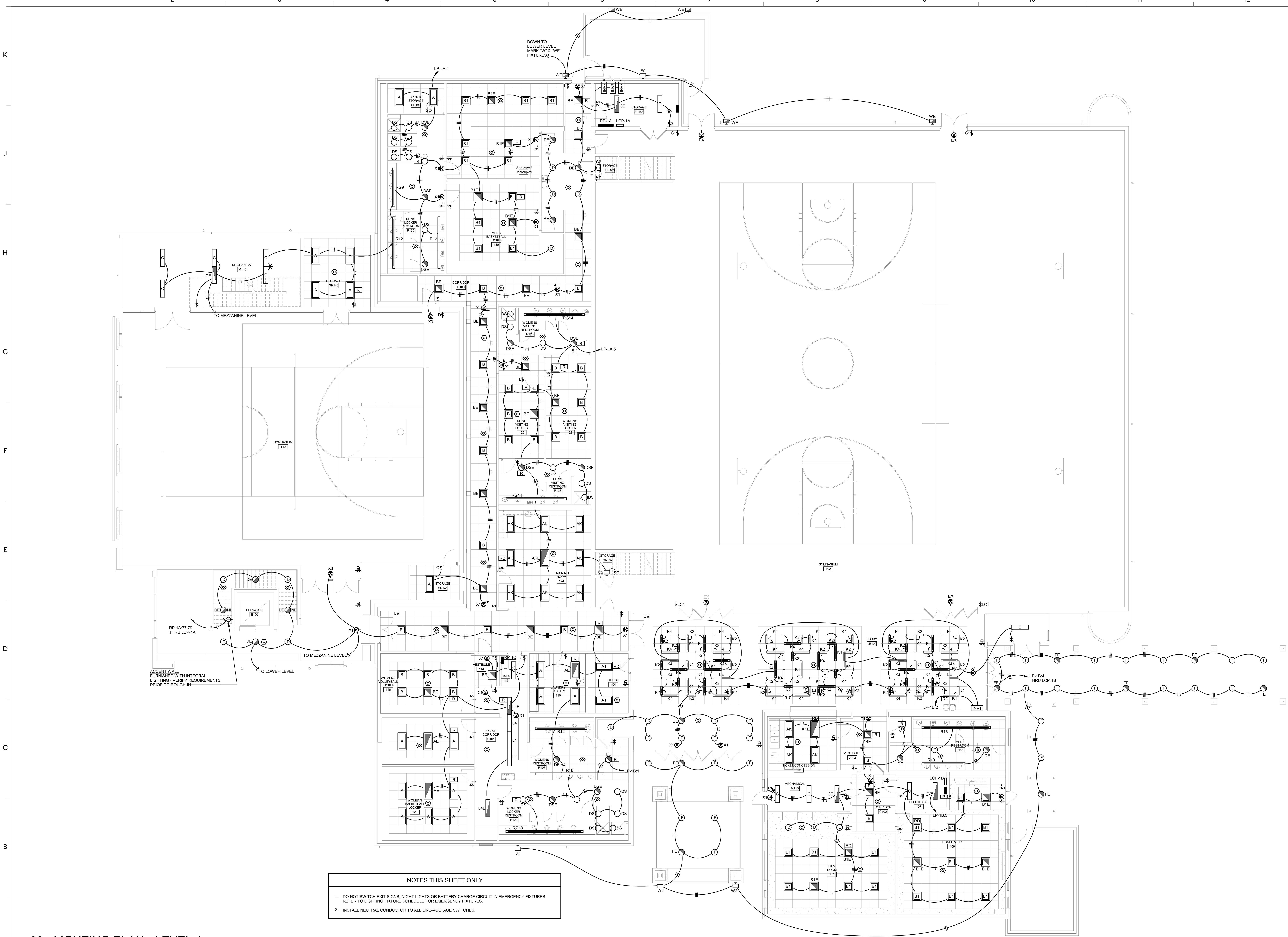
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NOTES THIS SHEET ONLY
1. DO NOT SWITCH EXIT SIGNS, NIGHT LIGHTS OR BATTERY CHARGE CIRCUIT IN EMERGENCY FIXTURES. REFER TO LIGHTING FIXTURE SCHEDULE FOR EMERGENCY FIXTURES.
2. INSTALL NEUTRAL CONDUCTOR TO ALL LINE-VOLTAGE SWITCHES.

1 E1.12 LIGHTING PLAN - LEVEL 1

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

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2026.11.06

LIGHTING PLAN - LEVEL 1

E1.12

LIGHTING PLAN - MEZZANINE

E1.13 1

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

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. CONNECT EXISTING EMERGENCY EGRESS LIGHTS TO RP-1A THRU INVERTERS AS SHOWN. CONNECT ALL EMERGENCY EGRESS LIGHTS TO SAME PHASE AS LOP-1A. PANEL CURRENTLY FEEDING GYM LIGHTS IS IN THE SAME APPROXIMATE LOCATION AS RP-1A.

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LIGHTING PLAN - MEZZANINE

E1.13

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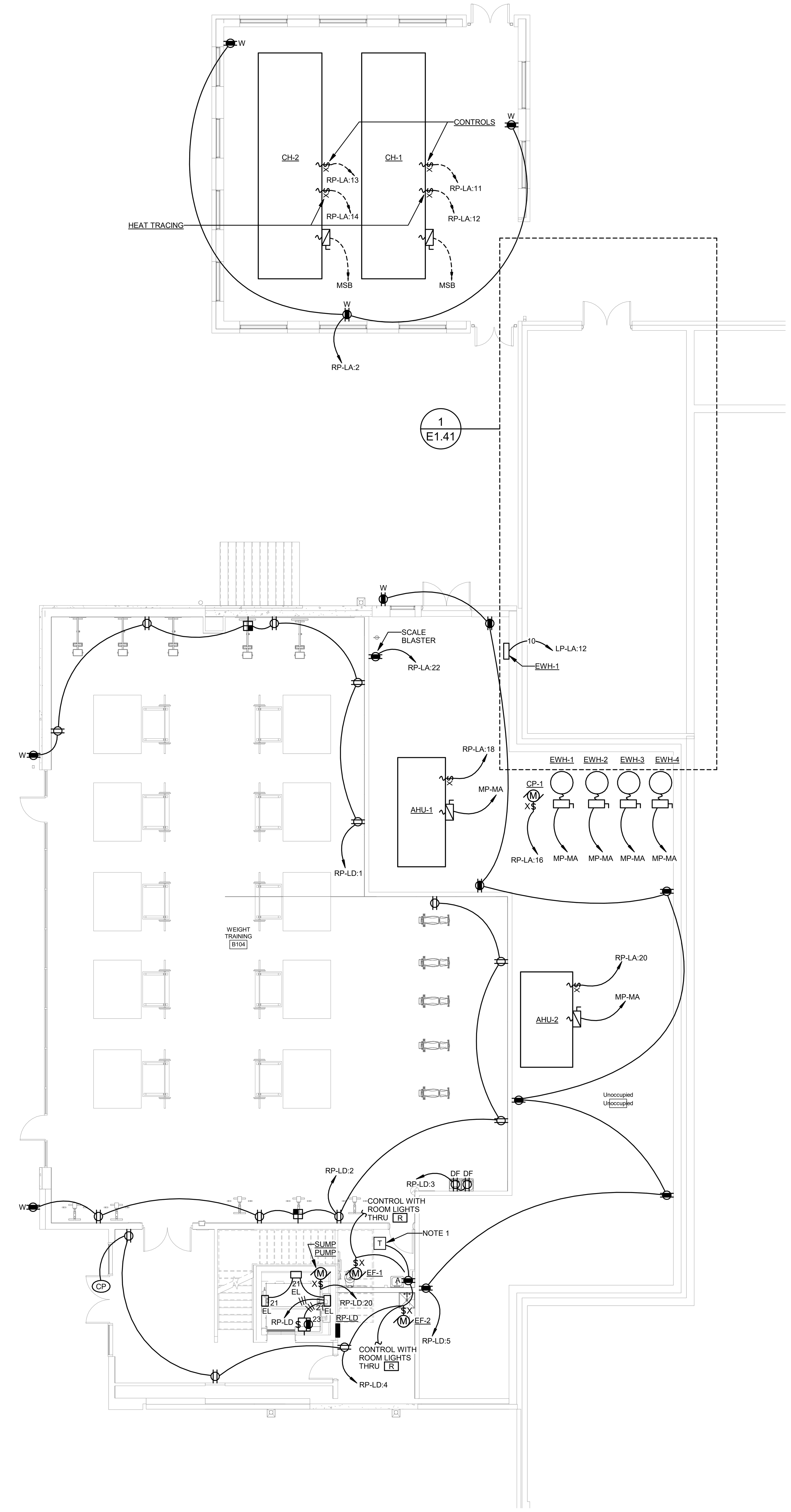
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1 / E1.21 POWER PLAN - LOWER LEVEL

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

NOTES THIS SHEET ONLY
1. CONNECT AUTOMATIC LAVATORIES, URINALS AND TOILETS TO LOW VOLTAGE TRANSFORMER AS REQUIRED.
2. CONNECT ALL TRAP PRIMERS TO THE NEAREST 120V RECEPTACLE CIRCUIT. SEE PLUMBING DRAWINGS FOR EXACT LOCATION AND QUANTITY.

Goodwyn Mills Cawood, LLC
2400 5th Avenue South, Suite 200
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T 205.879.4462
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ISSUE	DATE
ISSUED FOR BID	2026.11.06

DRAWN BY: JRA
CHECKED BY: RCR

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

ACCS # [00000]
GMC ABHM250051

ALABAMA LICENSED No. 24463 PROFESSIONAL ENGINEER ROBERT C. RENFRO
2026.11.06

JACKSON, RENFRO & ASSOCIATES, INC.
ELECTRICAL ENGINEERING & DESIGN
31 INVERNESS CENTER PKWY • SUITE 300 • BIRMINGHAM, AL • 35242
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JRA JOB NO. 225225

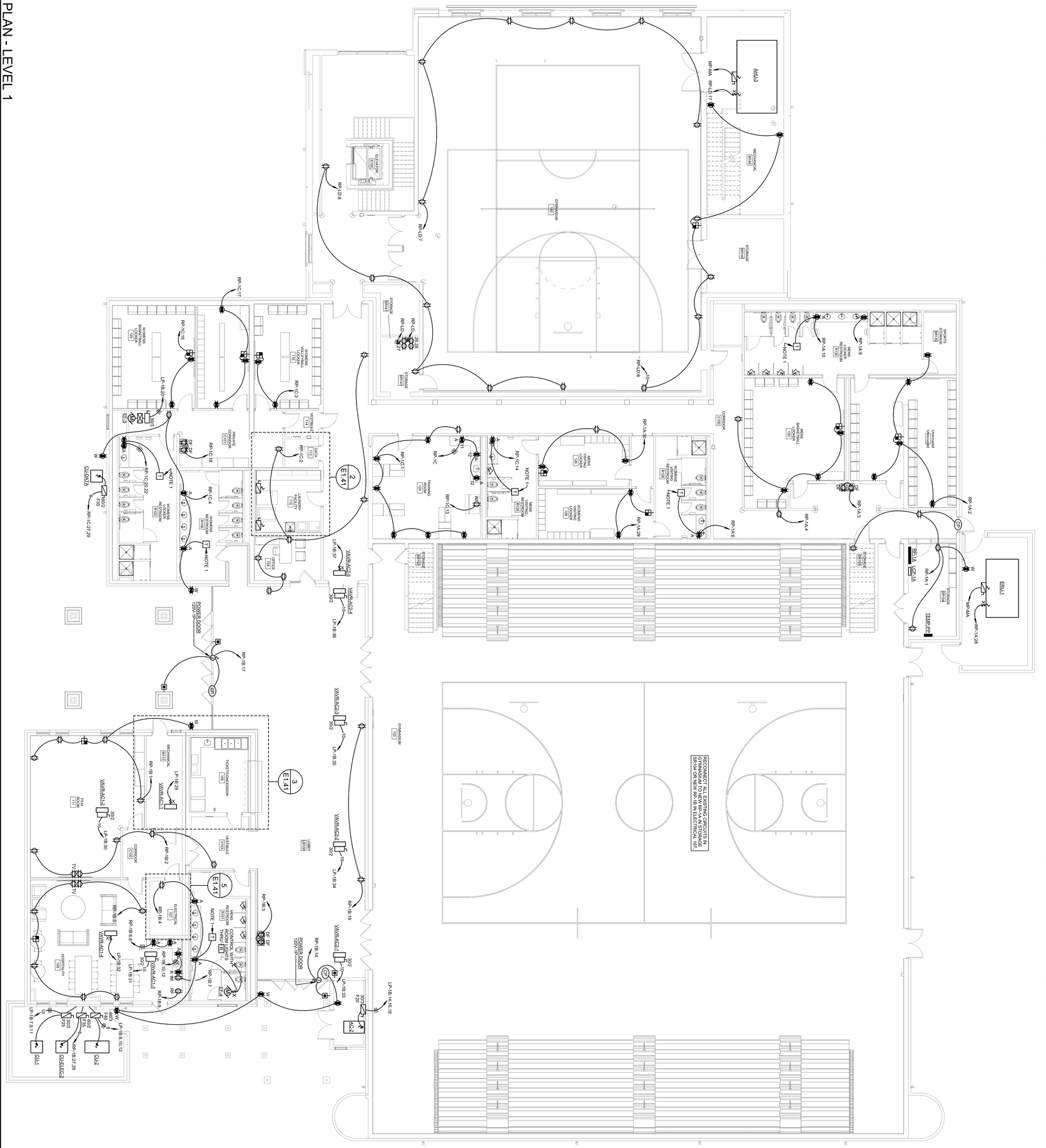
POWER PLAN - LOWER LEVEL

E1.21

11/4/2026 3:35:50 PM TEMPLATE VERSION: 2025.1

1 E1.22 POWER PLAN - LEVEL 1

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



NOTES THIS SHEET ONLY
1. CONNECT AUTOMATIC LAVATORIES, URINALS AND TOILETS TO LOW VOLTAGE TRANSFORMER AS REQUIRED
2. CONNECT ALL TRAP PRIMERS TO THE NEAREST 120V RECEPTACLE CIRCUIT. SEE PLUMBING DRAWINGS FOR EXACT LOCATION AND QUANTITY

JACKSON, RENFRO & ASSOCIATES, INC.
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JRA JOB NO. 22323

POWER PLAN - LEVEL 1

E1.22

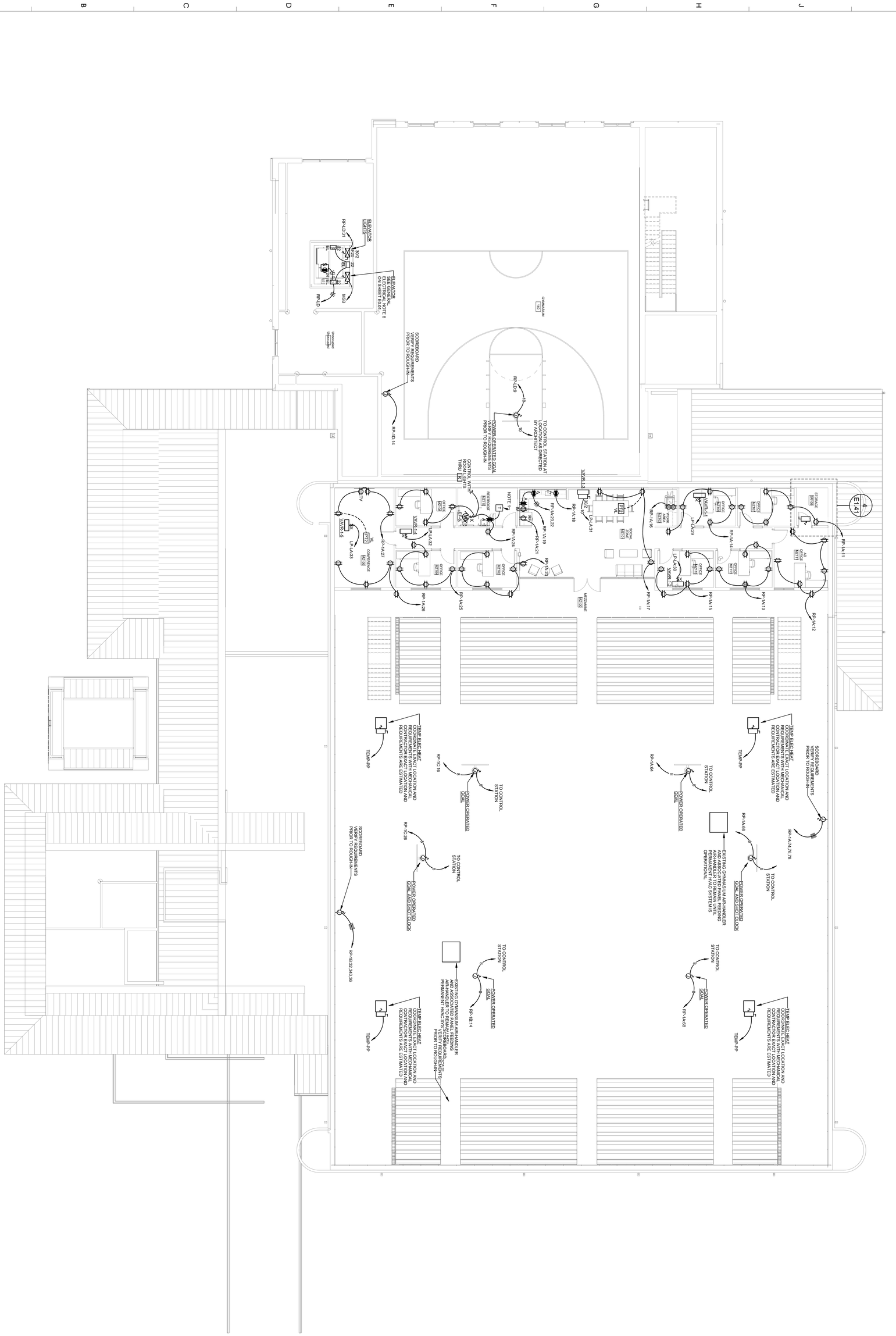
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GMC ABHM250051

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1 POWER PLAN - MEZZANINE

E1.23 SCALE: 1/8" = 1'-0"

NOTES THIS SHEET ONLY

1. CONNECT AUTOMATIC LAVATORIES, URINALS AND TOILETS TO LOW VOLTAGE TRANSFORMER AS REQUIRED.
2. CONNECT ALL TRAP PRIMERS TO THE NEAREST 120V RECEPTACLE CIRCUIT. SEE PLUMBING DRAWINGS FOR EXACT LOCATION AND QUANTITY.

JACKSON, RENTERO & ASSOCIATES, INC.
3 1 3 N O R T H P E R I M E T E R P L A C E ■ S U I T E 1 0 0 ■ B I R M I N G H A M , A L ■ 3 5 2 4 2
ROBERT RENTERO, FE
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POWER PLAN - MEZZANINE

E1.23

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 24461 ROBERT C. RENTERO 2026.11.06

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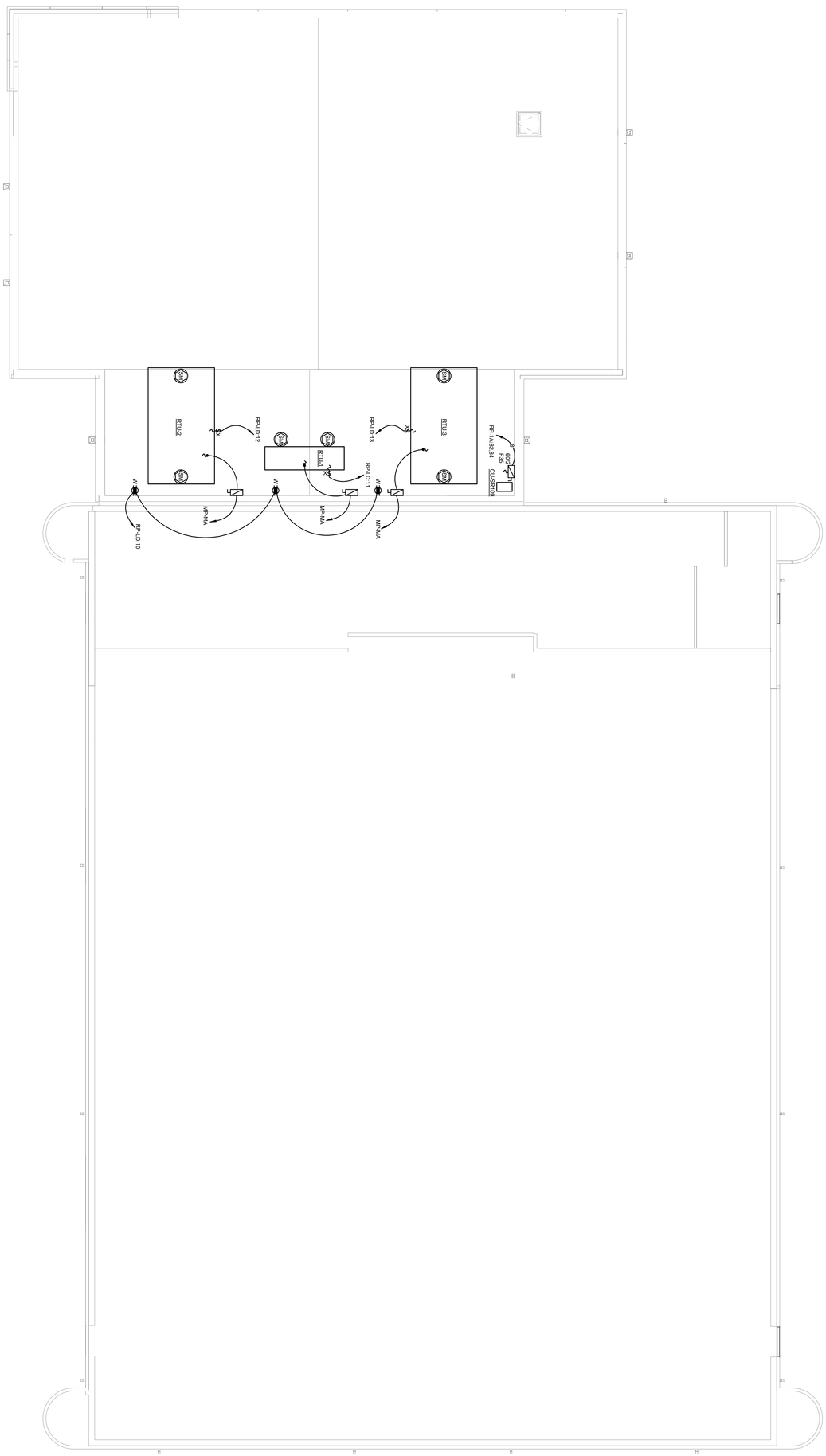
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1 E1.24 POWER & AUXILIARY PLAN - ROOF
SCALE: 1/8" = 1'-0"

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EMAIL: RENFRO@JRA-PE.COM

POWER & AUXILIARY PLAN - ROOF

E1.24

ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24463 2026.11.06

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

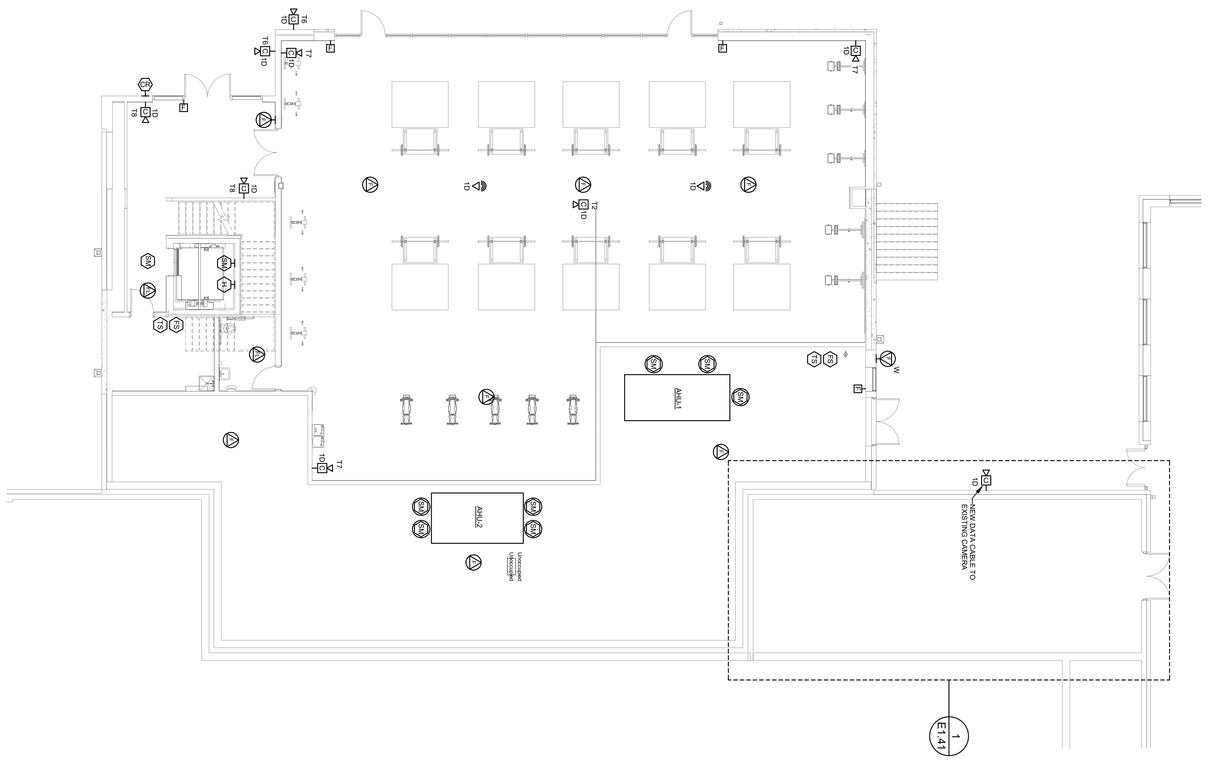
ACCS # [00000]
GMC ABHM250051

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1 E1.31 AUXILIARY PLAN - LOWER LEVEL

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

NOTES THIS SHEET ONLY

1. CONNECT AUTOMATIC LAVATORIES, URINALS AND TOILETS TO LOW VOLTAGE TRANSFORMER AS REQUIRED.

JACKSON, RENFRO & ASSOCIATES, INC.
ROBERT RENFRO, PE
TEL (O) 205.536.7154
(O) 205.536.7154
PA.OR.NO.23233

AUXILIARY PLAN - LOWER LEVEL

E1.31

ESCC LOLLEY GYM RENOVATION

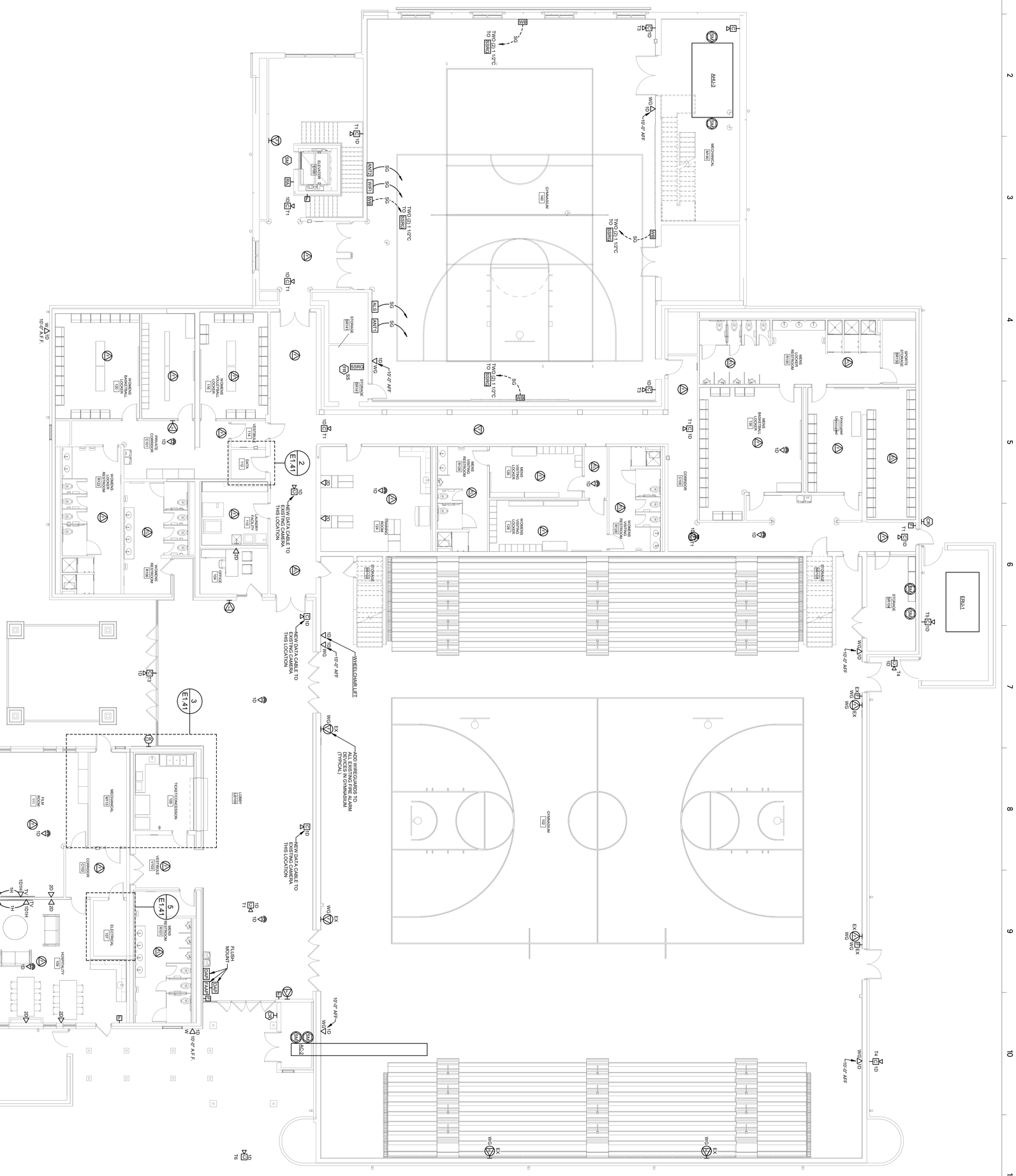
600 PLAZA DR,
ENTERPRISE, AL 36330

ACCS # [00000]
GMC ABHM250051

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1 E1.32 AUXILIARY PLAN - LEVEL 1

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

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(D) 205.538.7214
(E) RBENFRO@JRA.NET
JRA JOB NO. 23323

AUXILIARY PLAN - LEVEL 1

E1.32

ESCC LOLLEY GYM RENOVATION

600 PLAZA DR,
ENTERPRISE, AL 36330

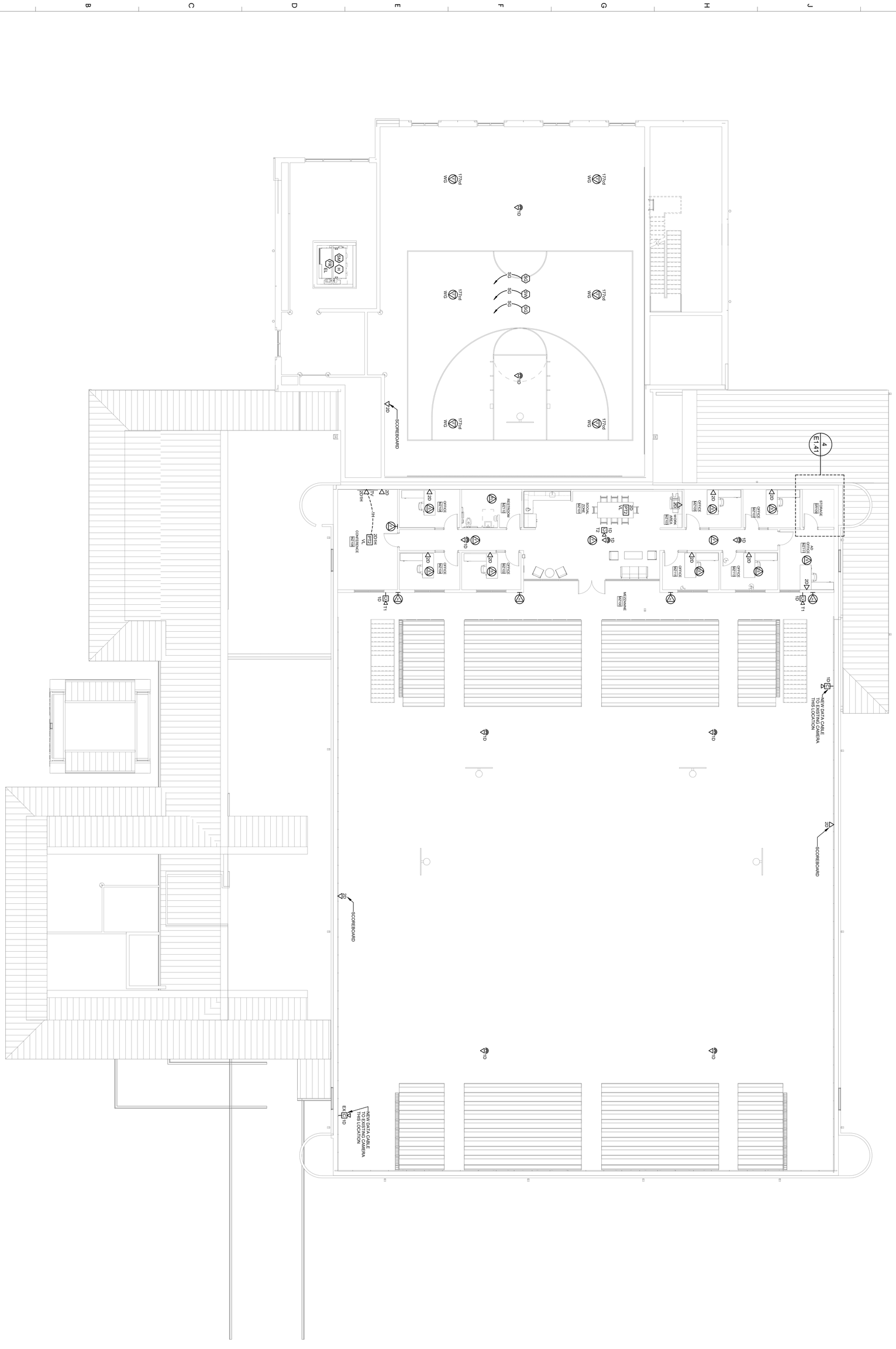
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1 E1.33 AUXILIARY PLAN - MEZZANINE
SCALE: 1/8" = 1'-0"

JACKSON, RENFRO & ASSOCIATES, INC.
ROBERT RENFRO, PE
TEL (205) 536-2154
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PA.0016033
2100 SOUTHBRIDGE PARKWAY, SUITE 600 ● BIRMINGHAM, AL ● 35209

AUXILIARY PLAN - MEZZANINE

E1.33

ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24493 2026.11.06

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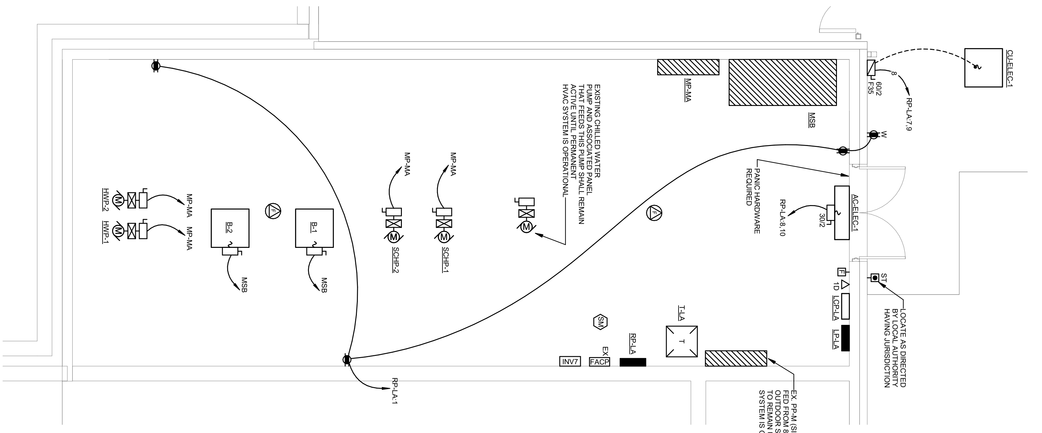
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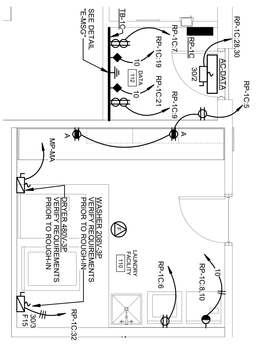
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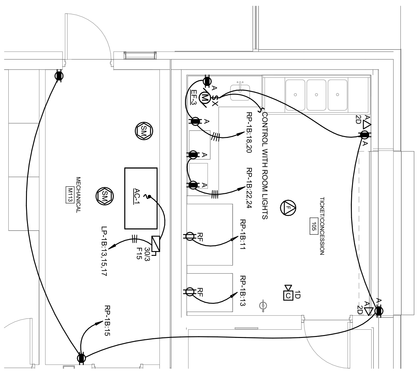
GMC



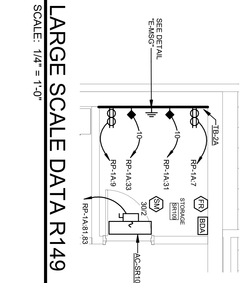
E1.41 1 LARGE SCALE MAIN ELEC. ROOM
SCALE: 1/4" = 1'-0"



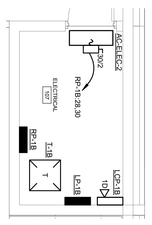
E1.41 2 LARGE SCALE DATA R73
SCALE: 1/4" = 1'-0"



E1.41 3 LARGE SCALE MECH. R54
SCALE: 1/4" = 1'-0"



E1.41 4 LARGE SCALE DATA R149
SCALE: 1/4" = 1'-0"



E1.41 5 LARGE SCALE ELEC. 107
SCALE: 1/4" = 1'-0"

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LARGE SCALE ELECTRICAL PLANS

E1.41

ROBERT C. RENFRO — No. 26461 — PROFESSIONAL ENGINEER — ALABAMA — LICENSED — 2026.11.06

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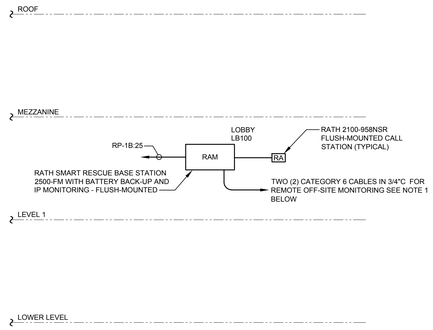
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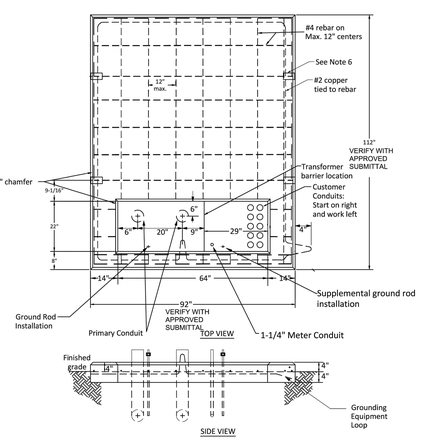
GMC



RESCUE ASSISTANCE SYSTEM RISER DIAGRAM

SCALE : NONE

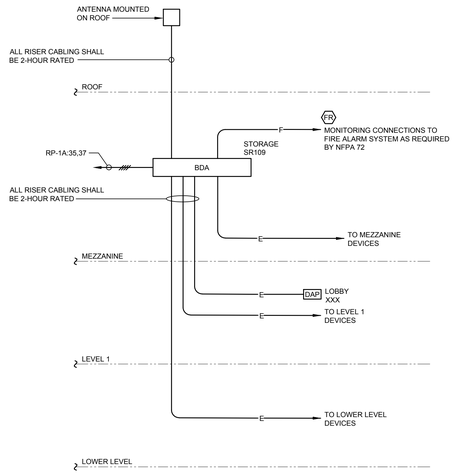
RESCUE ASSISTANCE SYSTEM DIAGRAM NOTES
1. COORDINATE WITH OWNER IN REGARD TO ACQUISITION OF DEDICATED PHONE LINES FROM UTILITY FOR OTHER OFF-SITE MONTIORING COMMUNICATION. EXACT/ADDITIONAL COMMUNICATION TECHNOLOGY SHALL BE AS REQUIRED BY APPLICABLE CODE AND AHJ. OFF-SITE MONITORING SERVICE SHALL BE IN OPERATION PRIOR TO ACCEPTANCE TEST.



NOTES:
1. Maintain 2 in. of clear concrete between rebar and all outer surfaces.
2. Reinforce with No. 4 rebars with a 12"x 12" grid, 4 in. below top of pad except as shown above.
3. Concrete shall have a minimum ultimate 28 day compressive strength of not less than 3,000 psi, pad shall be cured not less than 72 hours.
4. Average weight of pad is 5,800 pounds.
5. Mounting surface shall be level, smooth and uniform with minimal irregularities.

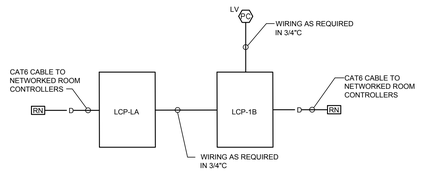
DETAIL "E-PMT" PADMOUNT TRANSFORMER PAD DETAIL

SCALE : 1" = 20'-0"



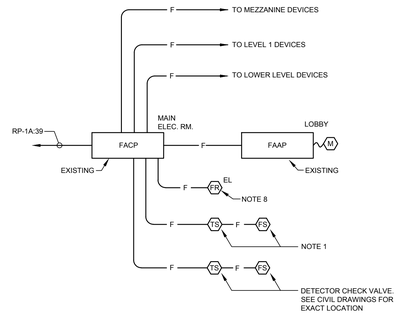
EMERGENCY RESPONDER RADIO SYSTEM RISER DIAGRAM

SCALE : NONE



LIGHTING CONTROL PANEL RISER DIAGRAM

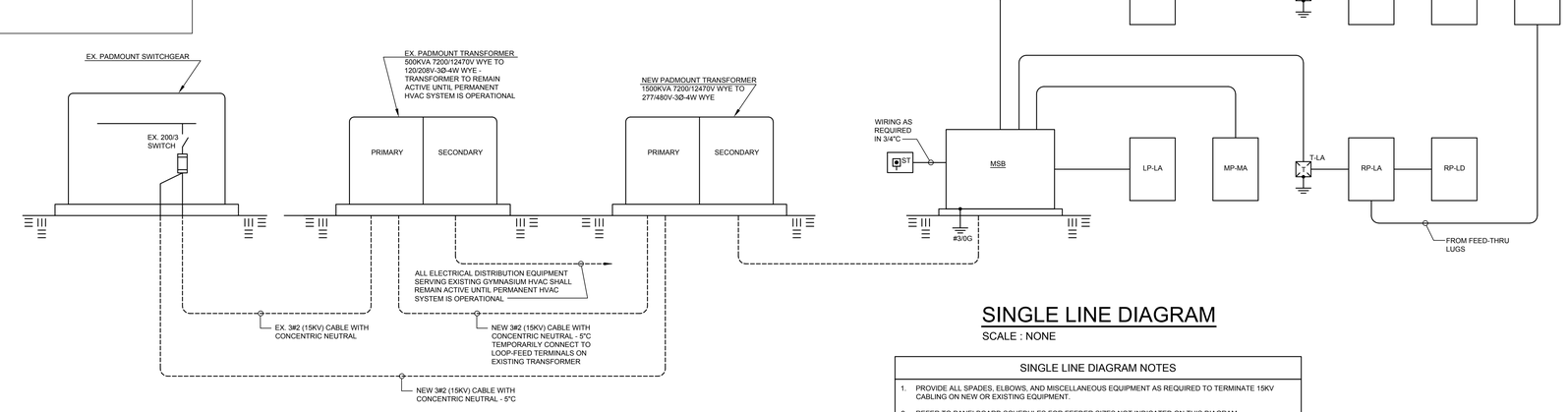
SCALE : NONE



FIRE ALARM SYSTEM RISER DIAGRAM

SCALE : NONE

FIRE ALARM SYSTEM NOTES
1. THIS CONTRACTOR SHALL VERIFY EXACT QUANTITY AND LOCATION OF ALL SPRINKLER SYSTEM FLOW SWITCHES AND TAMPER SWITCHES FROM FIRE PROTECTION SYSTEM PLANS AND SPECIFICATIONS PRIOR TO BID AND FURNISH ALL MATERIAL AND LABOR REQUIRED TO CONNECT EACH AS A SEPARATELY ZONED DEVICE. COORDINATE ALL WORK REQUIRED WITH FIRE PROTECTION SYSTEM SUB-CONTRACTOR.
2. INCLUDE CELLULAR DIALER FOR COMMUNICATION WITH COLLEGE MONITORING SYSTEM.
3. FIRE ALARM EQUIPMENT SUPPLIER SHALL PROVIDE A COMPLETE SET OF FIRE ALARM EQUIPMENT SHOP DRAWINGS TO LOCAL FIRE MARSHALL FOR HIS APPROVAL.
4. ALL FIRE ALARM WIRING SHALL BE RUN IN CONDUIT. NO EXCEPTIONS.
5. PROVIDE SURGE PROTECTION DEVICES ON EACH END OF ALL COPPER FIRE ALARM CIRCUITS WITH ANY PORTION LOCATED OUTSIDE OF BUILDINGS.
6. INSTALL DUCT MOUNTED SMOKE DETECTOR(S) AND CONTROL RELAY AT EACH MECHANICAL UNIT AND AT FIRE/SMOKE DAMPERS WHERE REQUIRED FOR UNIT SHUTDOWN. COORDINATE ALL WORK REQUIRED WITH MECHANICAL. CONTRACTOR SHALL REVIEW MECHANICAL PLANS TO CONFIRM UNIT LOCATIONS AND THAT QUANTITY OF REQUIRED DUCT DETECTORS AND CONTROL RELAYS MATCH THOSE SHOWN ON ELECTRICAL PLANS.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COST INVOLVED WITH OBTAINING A SEPARATE PERMIT AS REQUIRED BY LOCAL AUTHORITIES FOR INSTALLATION OF THE FIRE ALARM SYSTEM.
8. PROVIDE CONNECTIONS AS REQUIRED FOR ELEVATOR RECALL.



SINGLE LINE DIAGRAM

SCALE : NONE

SINGLE LINE DIAGRAM NOTES
1. PROVIDE ALL SPADES, ELBOWS, AND MISCELLANEOUS EQUIPMENT AS REQUIRED TO TERMINATE 15KV CABLING ON NEW OR EXISTING EQUIPMENT.
2. REFER TO PANELBOARD SCHEDULES FOR FEEDER SIZES NOT INDICATED ON THIS DIAGRAM.

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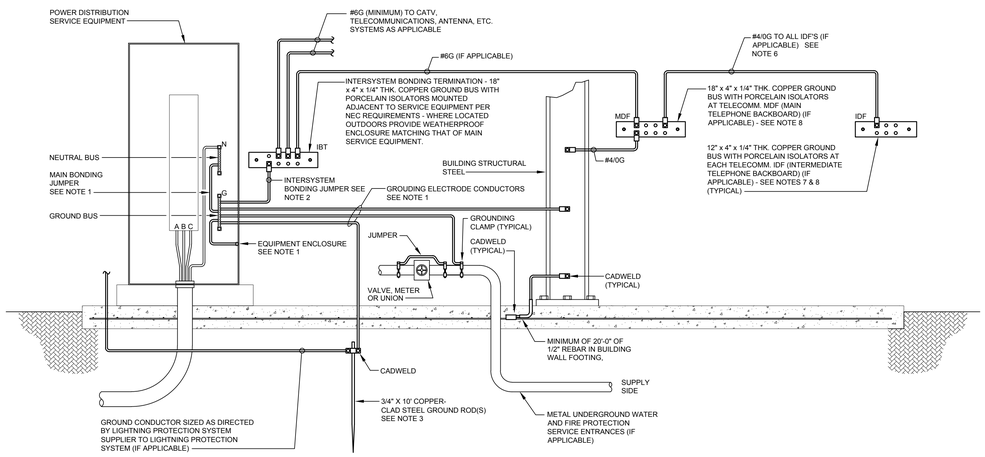
ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24463
2026.11.06

SINGLE LINE DIAGRAMS

E4.01

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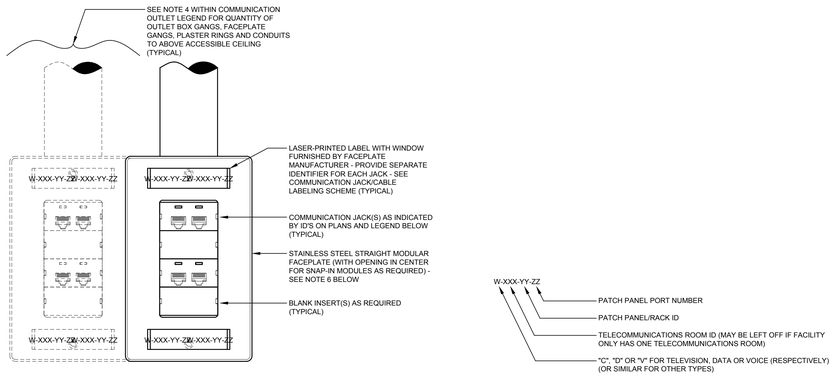


DETAIL "E-MSG"
MAIN SERVICE GROUNDING

SCALE : NONE

DETAIL NOTES

1. ALL GROUNDING ELECTRODE CONDUCTORS AND MAIN BONDING JUMPERS SHALL BE INSULATED COPPER, SIZED IN ACCORDANCE WITH NEC TABLE 250.66 UNLESS NOTED OTHERWISE.
2. THE INTERSYSTEM BONDING JUMPER SHALL BE INSULATED COPPER, SIZED TO MATCH THE GROUNDING ELECTRODE CONDUCTOR OR #6AWG, WHICHEVER IS GREATER.
3. 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.
4. ALL GROUNDING CONDUCTORS SHALL BE INSTALLED IN CONDUIT (TYPE PER SPECIFICATION REQUIREMENTS) UNLESS SPECIFICALLY NOTED OTHERWISE. METAL CONDUITS SHALL BE GROUNDED PER NEC REQUIREMENTS.
5. REFER TO "GROUNDING" SPECIFICATIONS SECTION FOR ADDITIONAL GROUNDING REQUIREMENTS.
6. THE CONTRACTOR MAY "DAISY-CHAIN" IDF'S TOGETHER WITH A #4/0G. THIS DETAIL IS NOT INTENDED TO REQUIRE A #4/0G FROM EACH IDF TO THE MDF. THE INTENT OF THIS DETAIL TO TO BOND TOGETHER THE SUPPLEMENTAL GROUND BUS IN THE MDF, ALL IDF'S, AND THE MAIN SERVICE GROUND WITH A #4/0G.
7. 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.
8. 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.



COMMUNICATION OUTLET ELEVATION

COMMUNICATION JACK/CABLE LABELING SCHEME

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 3 BELOW)	HOMERUN CABLING TO (UNLESS SHOWN OTHERWISE ON PLANS)	REMARKS
*D	RJ45 DATA JACK(S)	CAT6E DATA CABLE(S).	NEAREST DATA PATCH PANEL	
*H	IF CABLE LENGTH < 35': PASSIVE HDMI JACK(S)	4K HDMI CABLE	ASSOCIATED LOW VOLTAGE "*H" OUTLET AT SOURCE LOCATION (WALL/FLOOR/TABLE)	SEE NOTES 8 & 9 BELOW
	IF CABLE LENGTH > 35': TWO (2) CAT 6 CABLES WITH HDMI ADAPTER	TWO (2) CAT 6E CABLES		

NOTES:

1. THE ASTERISK "*" WITHIN THE JACK ID SECTION ABOVE REPRESENT THE QUANTITIES OF EACH JACK/CABLE TYPE. FOR EXAMPLE, "3D" REPRESENTS THREE (3) DATA JACKS/CABLES.
2. THE JACK IDENTIFIERS SHOWN ABOVE MAY BE COMBINED TOGETHER ON PLANS. FOR EXAMPLE, THE IDENTIFIER "1V2D1C" 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.
3. ALL LOW VOLTAGE CABLING SHALL BE PLENUM-RATED.
4. 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 1" 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 1" CONDUITS TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS).
5. PROVIDE A NYLON BUSHING ON EACH END OF EACH CONDUIT (SPECIFIED WITHIN NOTE 4 ABOVE) TO PROTECT CABLES.
6. TYPE "1VW" OUTLETS SHALL BE FURNISHED WITH STAINLESS STEEL WALL-MOUNT TELEPHONE PLATES WITH MOUNTING STUDS AND RECESSED JACKS AND SHALL BE MOUNTED AT 48" A.F.F. UNLESS NOTED OTHERWISE.
7. COMMUNICATION OUTLET SHALL BE LOCATED A MAXIMUM OF 8 INCHES FROM THE ADJACENT POWER OUTLET.
8. ALL AV CABLING TYPES SHALL BE CONFIRMED WITH OWNER PRIOR TO ORDERING MATERIALS.
9. COORDINATE LOCATION OF ALL OUTLETS AT PROJECTOR WITHIN PROJECTOR BASE WHERE POSSIBLE.

CONTRACTOR FURNISHED COMMUNICATION EQUIPMENT SCHEDULE

Part Number	Description	Quantity
C9300-48U-M	Network Switches	4
CW9163E-MR	Outdoor Wireless APs	2
CON-L1NBD-CW913EMR	5 Year Warrant for Outdoor APs	2
CW-ANT-O1-NS-00	Antenna's for Outdoor APs	8
CW9172I-RTG	Indoor Wireless APs	17
MT10	Conditions Monitor	1
MA-PWR-ETH	POE to USB-C Adapter	1
MA-SFP-10GB-LR	10G SFP Fiber Modules	2
STACK-T1-1M-M	Stacking cables for network switches	1
STACK-T1-50CM-M	Stacking cables for network switches	3
C9300-NM-2Y-M	C9300 2-port 1/10/25G Network Module, w/MERAKI	2
CAB-SPWR-150CM-M	C9000 Stack Power Cable 150 CM, w/MERAKI	4
PWR-C1-1100WAC-P-M	C9000 1100W AC Platinum Power Supply, w/MERAKI	4
MA-PWR-CORD-US	Meraki AC Power Cord for MX and MS	4
APC Smart-UPS SRT1500RMXLA	Battery Backups	3

NOTES:
CONTRACTOR SHALL FURNISH ALL EQUIPMENT NOTED ABOVE AS PART OF THIS CONTRACT. SUBMIT SHOP DRAWINGS ON ALL EQUIPMENT FOR OWNER APPROVAL.

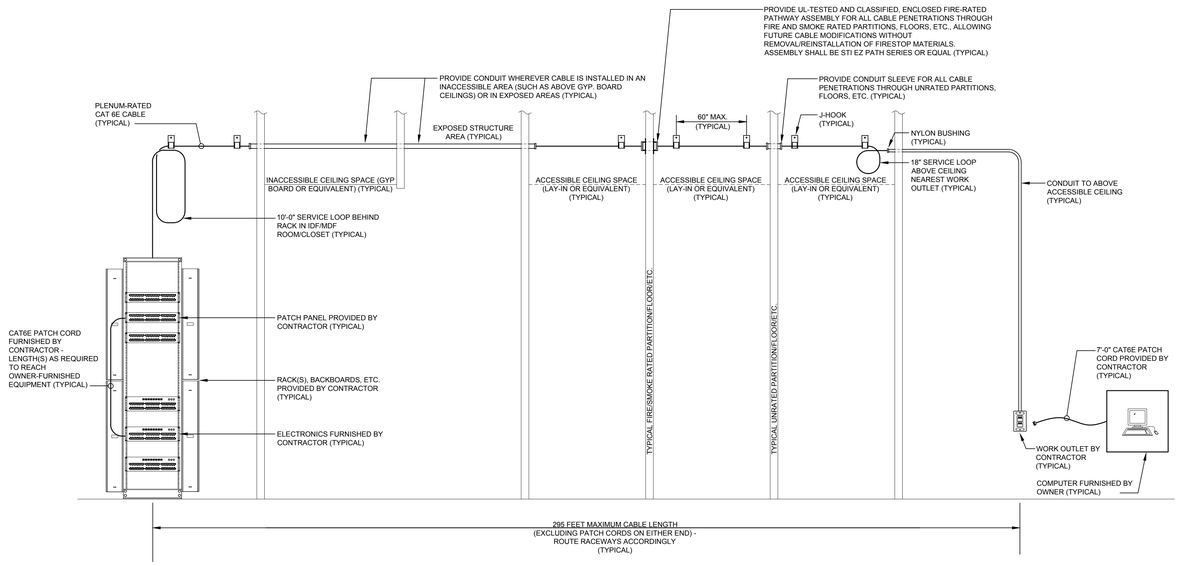


DIAGRAM "E-SCH"
STRUCTURED CABLING HORIZONTAL TYPICAL WIRING DIAGRAM

SCALE : NONE

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

ISSUE DATE
ISSUED FOR BID 2026.11.06

DRAWN BY: JRA
CHECKED BY: RCR

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

ACCS # [000000]
GMC ABHM250051

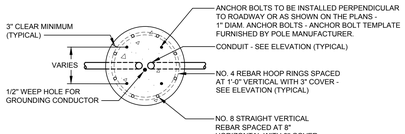
ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24403
2026.11.06

ELECTRICAL DETAILS

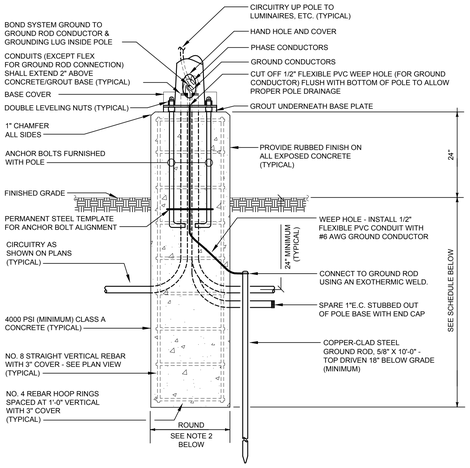
E5.01

JRA Jackson, Renfro & Associates, Inc.
ELECTRICAL ENGINEERING & DESIGN
11 INVERNESS CENTER PKWY • SUITE 300 • BIRMINGHAM, AL • 35242
ROBERT RENFRO, PE
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(D) 205.536.7114
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JRA JOB NO. 225225

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PLAN VIEW



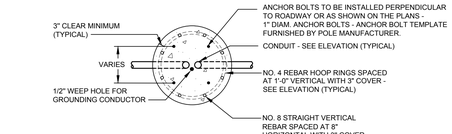
ELEVATION

DETAIL "E-LP1"
EXPOSED LIGHT POLE BASE

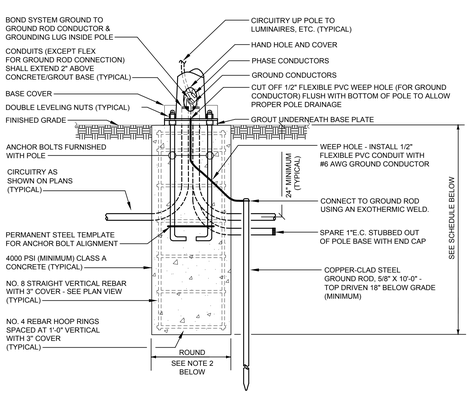
SCALE : NONE

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 5.5 S.F., THE CONTRACTOR SHALL RETAIN A QUALIFIED STRUCTURAL ENGINEER (LICENCED 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 BASES) 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 BASE DIMENSIONS				
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, GM, GC)	GRAVELY SOILS (GW, GP)	
0 - 15 FT.	6'-0"	5'-0"	4'-6"	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.	8'-6"	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



PLAN VIEW



ELEVATION

DETAIL "E-LP2"
FLUSH-WITH-GRADE LIGHT POLE BASE

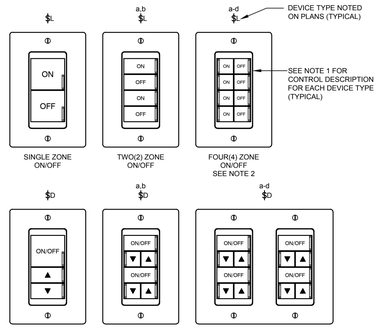
SCALE : NONE

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 5.5 S.F., THE CONTRACTOR SHALL RETAIN A QUALIFIED STRUCTURAL ENGINEER (LICENCED 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 BASES) 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 BASE DIMENSIONS				
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, GM, GC)	GRAVELY SOILS (GW, GP)	
0 - 15 FT.	5'-6"	4'-6"	4'-0"	SEE NOTE 2 ABOVE
16 - 20 FT.	6'-6"	5'-0"	4'-6"	SEE NOTE 2 ABOVE
21 - 25 FT.	7'-6"	5'-6"	5'-0"	SEE NOTE 2 ABOVE
26 - 30 FT.	8'-0"	6'-6"	6'-0"	SEE NOTE 2 ABOVE
31 - 35 FT.	8'-6"	7'-0"	6'-6"	SEE NOTE 2 ABOVE
36 - 40 FT.	9'-6"	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

DETAIL "E-FS"
LAY-IN FIXTURE SUPPORT

SCALE : NONE



DETAIL "E-LCS"
TYPICAL DIGITAL LIGHTING CONTROL STATION LAYOUT

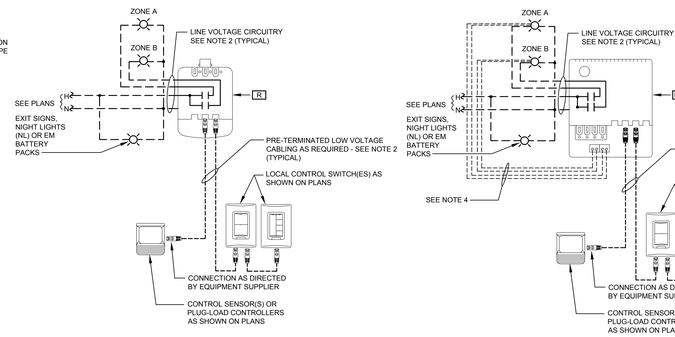
SCALE : NONE

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-PT2"
MULTI-SERVICE POKE-THRU (MEDIUM SIZE)

SCALE : NONE

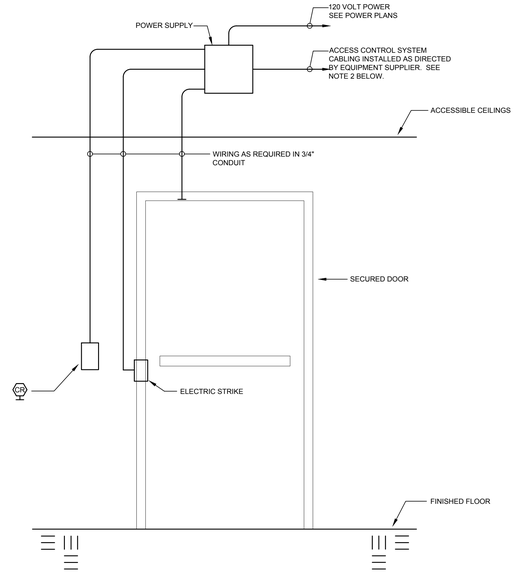
DETAIL NOTES
1. THE EXACT LOCATIONS OF ALL POKE-THRUS SHALL BE VERIFIED BY THE CONTRACTOR WITH THE ARCHITECT PRIOR TO ROUGH-IN. 2. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING PENETRATIONS THROUGH SLABS AND OPENINGS/CONDUITS WITHIN SLABS WITH THE INSTALLER OF THE SLABS PRIOR TO ROUGH-IN. 3. ALL COVERPLATE 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 POKE-THRUS: a. CARPET AND VCT FLOORING: FLANGED TRIM. b. TILE OR SIMILAR FLOORING (WITH GROUTING): FLANGELESS TRIM. 5. EACH POKE-THRU 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 POKE-THRU SHALL BE PROVIDED WITH COMMUNICATION JACKS AND ASSOCIATED LOW VOLTAGE CABLING AS INDICATED BY "1+2D" 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" MAXIMUM WITH J-HOOKS). ALL LINE VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT (UNLESS SPECIFICALLY NOTED OTHERWISE) PER SPECIFICATION REQUIREMENTS. FURNISH NUMBER OF ROOM CONTROLLERS/POWER PACKS AS REQUIRED TO ACCOMPLISH INTENT SHOWN ON PLAN. 3. THIS DIAGRAM SHOWS GENERAL WIRING REQUIREMENTS ONLY. CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE CONNECTIONS, LINE VOLTAGE CONNECTIONS, EQUIPMENT, ETC. AS RECOMMENDED BY THE LIGHTING CONTROL SYSTEM PROVIDER AS REQUIRED FOR A FULLY-FUNCTIONAL DIGITAL LIGHTING CONTROL SYSTEM. 4. CONTRACTOR SHALL FURNISH AND INSTALL ALL LOW VOLTAGE CONTROL CABLING OR ADDITIONAL CONDUCTOR(S) FROM 0-10V DIMMING ROOM CONTROLLER(S) TO ALL 0-10V DIMMED LIGHT FIXTURES AS REQUIRED FOR FULL DIMMING CONTROL OF ALL OVERHEAD LIGHTING THROUGHOUT ASSOCIATED SPACE. EXACT CONTROL CABLING WILL VARY DEPENDING ON FIXTURE DIMMING TYPE. MULTI-CONDUCTOR, PLENUM RATED CABLE SHALL BE USED FOR ALL LOW VOLTAGE CABLING. 5. WHERE EXHAUST FANS SERVE RESTROOMS AND ARE ON A DIFFERENT CIRCUIT THAN RESTROOM LIGHTING, FURNISH POWER PACK AND ASSOCIATED LOW-VOLTAGE CABLING AS REQUIRED TO CONTROL FAN WITH LIGHTS.



DETAIL "E-CR"
CARD READER DIAGRAM

SCALE : NONE

DETAIL NOTES
1. VERIFY ALL DOOR REQUIREMENTS WITH HARDWARE SUPPLIER PRIOR TO ROUGH-IN. 2. THIS CONTRACTOR SHALL EXTEND THE EXISTING CAMPUS ACCESS CONTROL SYSTEM AS INDICATED ON DRAWINGS. THE COLLEGE'S PREFERRED VENDOR FOR ACCESS CONTROL IS VERKADA. CONTACT ALEX PAGE AT ALEX.PAGE@VERKADA.COM FOR PRICING INFORMATION. FURNISH ALL MATERIAL AND LABOR NECESSARY FOR A COMPLETE AND OPERATING ACCESS CONTROL SYSTEM.

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

ISSUE | DATE
ISSUED FOR BID | 2026.11.06

DRAWN BY: JRA
CHECKED BY: RCR

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

ACCS #[00000]
GMC ABHM250051

ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24463
2026.11.06

ELECTRICAL DETAILS

E5.02

JACKSON, RENFRO & ASSOCIATES, INC.
ELECTRICAL ENGINEERING & DESIGN
10 INVERNESS CENTER PKWY • SUITE 300 • BIRMINGHAM, AL • 35242
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JRA JOB NO. 225125

TEMPLATE VERSION: 2025.1
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LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	CATALOG NUMBER	VOLTAGE	LAMPS			MOUNTING HEIGHT	MOUNTING TYPE	REMARKS
				WATTS	LUMENS	TYPE			
A1	LITHONIA WILLIAMS COOPER	2BLT2-40L-ADP-GZ1	120/277	31	4000	LED 3500K	CEILING	RECESSED	
A1E	LITHONIA WILLIAMS COOPER	2BLT2-40L-ADP-GZ1-EM	120/277	31	4000	LED 3500K	CEILING	RECESSED	EM
AK	LITHONIA WILLIAMS COOPER	CPX-2X4-4000LM-80CRI-A12-MIN10	120/277	38	4000	LED 3500K	CEILING	RECESSED	
AKE	LITHONIA WILLIAMS COOPER	CPX-2X4-4000LM-80CRI-A12-MIN10	120/277	38	4000	LED 3500K	CEILING	RECESSED	EM
A	LITHONIA WILLIAMS COOPER	2BLT4-30L-ADP-GZ1	120/277	23	3000	LED 3500K	CEILING	RECESSED	
AE	LITHONIA WILLIAMS COOPER	2BLT4-30L-ADP-GZ1-EM	120/277	23	3000	LED 3500K	CEILING	RECESSED	EM AL
B	LITHONIA WILLIAMS COOPER	2BLT2-33L-ADP-GZ1	120/277	27	3300	LED 3500K	CEILING	RECESSED	
BE	LITHONIA WILLIAMS COOPER	2BLT2-33L-ADP-EM-GZ1	120/277	27	3300	LED 3500K	CEILING	RECESSED	EM
B1	LITHONIA WILLIAMS COOPER	2BLT2-40L-ADP-GZ1	120/277	33	4000	LED 3500K	CEILING	RECESSED	
B1E	LITHONIA WILLIAMS COOPER	2BLT2-40L-ADP-EM-GZ1	120/277	33	4000	LED 3500K	CEILING	RECESSED	EM
C	LITHONIA WILLIAMS COOPER	WL4-40L-GZ1	120/277	33	4000	LED 3500K	CEILING OR AS DIRECTED BY ARCHITECT	SURFACE OR PENDANT	
CE	LITHONIA WILLIAMS COOPER	WL4-40L-EM-GZ1	120/277	33	4000	LED 3500K	CEILING OR AS DIRECTED BY ARCHITECT	SURFACE OR PENDANT	EM
C2	LITHONIA WILLIAMS COOPER	WL2-20L-GZ1	120/277	14	2000	LED 3500K	CEILING	OUTLET BOX	
D	CALCULITE GOTHAM OMEGA	4R-N-C4L-15-W-Z10-C4-R-DL-CC	120/277	15	1,500	LED 3500K	CEILING	RECESSED	FSA
DE	CALCULITE GOTHAM OMEGA	4R-N-C4L-15-W-Z10-C4-R-DL-CC-EM	120/277	15	1,500	LED 3500K	CEILING	RECESSED	EM, FSA
DS	GOTHAM CALCULITE OMEGA	4R-N-C4L-15-W-Z10-C4-R-SL-WH NON-CONDUCTIVE TRIM	120/277	15	1,500	LED 3500K	CEILING	RECESSED	FSA
DSE	GOTHAM CALCULITE OMEGA	4R-N-C4L-15-W-Z10-C4-R-SL-WH NON-CONDUCTIVE TRIM-EM	120/277	15	1,500	LED 3500K	CEILING	RECESSED	EM, FSA
EL	LITHONIA WILLIAMS COOPER	CSVT-L48-****-** VAPOR-TIGHT FIXTURE	120/277	27	3,000	LED 4000K	ELEVATOR PIT	OUTLET BOX	
F	CALCULITE GOTHAM OMEGA	4R-N-C4L-15-W-Z10-C4-R-DL-CC	120	15	1500	LED 4000K	CEILING	RECESSED	
FE	CALCULITE GOTHAM OMEGA	4R-N-C4L-15-W-Z10-C4-R-DL-CC-EM	120	15	1500	LED 4000K	CEILING	RECESSED	EM
G	WILLIAMS LITHONIA DAY-BRITE	GH-2-L300-FA-WG11-DRV-6'-CPVL7-15P/TWLK	120/277	228	31,000	LED 3500K	BOTTOM EVEN WITH BOTTOM OF TRUSSES	OUTLET BOX	FSA
K2	JLC TECH	T-BAR LED X-SERIES TBLX-MW-LO-2-**-DW-X-W-UNV	120/277	6.6	674	LED 3500K	CEILING	RECESSED	FSA, VC
K4	JLC TECH	T-BAR LED X-SERIES TBLX-MW-LO-4-**-DW-X-W-UNV	120/277	13.2	1,348	LED 3500K	CEILING	RECESSED	FSA, VC
L4	FINELITE MARK ARCHITECT LIGHTING	HP-4-P-D-4FT-H-F-96LG-SC-FC10-FA100-XX-FE	120/277	30	3,364	LED 3500K	AS DIRECTED BY ARCHITECT BELOW DUCTWORK	PENDANT	FSA, DCT
L4E	FINELITE MARK ARCHITECT LIGHTING	HP-4-P-D-4FT-H-F-96LG-SC-FC10-FA100-XX-FE-LGD10W	120/277	30	3,364	LED 3500K	AS DIRECTED BY ARCHITECT BELOW DUCTWORK	PENDANT	EM, FSA, DCT
L12	FINELITE MARK ARCHITECT LIGHTING	HP-4-P-ID-12FT-S-B-F-F-96LG-SC-FC-10-FA100-XX-FE	120/277	100	5,500 UP 6,600 DN	LED 3500K	8'-0" A.F.F.	PENDANT	FSA
LL	FINELITE MARK ARCHITECT LIGHTING	HP-4-P-D-**-H-F-96LG-SC-FC10-FA300-XX-FE-99CFG	120/277	50	5,400	LED 3500K	AS DIRECTED BY ARCHITECT BELOW DUCTWORK	PENDANT	FSA, LL, DCT
LLE	FINELITE MARK ARCHITECT LIGHTING	HP-4-P-D-**-H-F-96LG-SC-FC10-FA300-XX-FE-99CFG-LGD10W	120/277	50	5,400	LED 3500K	AS DIRECTED BY ARCHITECT BELOW DUCTWORK	PENDANT	EM, FSA, LL, DCT
P	GOTHAM CALCULITE OMEGA	EVO6CC-35/15-MWD-AR-LSS	120/277	14.7	1500	LED 3500K	AS DIRECTED BY ARCHITECT BELOW DUCTWORK	OUTLET BOX	FSA, DCT
R10	FINELITE MARK ARCHITECT LIGHTING	HP-4-R-D-10FT-B-F-96LG-SC-FC10-C*-FE	277	3 W/FT	479 L/FT	LED 3500K	CEILING	RECESSED LAY-IN	RR
R12	FINELITE MARK ARCHITECT LIGHTING	HP-4-R-D-12FT-B-F-96LG-SC-FC10-C*-FE	277	3 W/FT	479 L/FT	LED 3500K	CEILING	RECESSED LAY-IN	RR
R16	FINELITE MARK ARCHITECT LIGHTING	HP-4-R-D-16FT-B-F-96LG-SC-FC10-C*-FE	277	3 W/FT	479 L/FT	LED 3500K	CEILING	RECESSED LAY-IN	RR
RG9	FINELITE MARK ARCHITECT LIGHTING	HP-4-R-D-9FT-B-F-SC-FC-10%-VF-FE	277	3 W/FT	479 L/FT	LED 3500K	CEILING	RECESSED GYP.	RR
RG14	FINELITE MARK ARCHITECT LIGHTING	HP-4-R-D-14FT-B-F-SC-FC-10%-VF-FE	277	3 W/FT	479 L/FT	LED 3500K	CEILING	RECESSED GYP. BOARD	RR
RG18	FINELITE MARK ARCHITECT LIGHTING	HP-4-R-D-18FT-B-F-SC-FC-10%-VF-FE	277	3 W/FT	479 L/FT	LED 3500K	CEILING	RECESSED GYP. BOARD	RR
SC	$800 ALLOWANCE		120/277	TBD	TBD	LED 3500K	ABOVE MIRROR	OUTLET BOX	FSA
SL	FINELITE MARK ARCHITECT LIGHTING	HP-4-R-D-4FT-V-F-SC-FC10-96LG VF-FE	120/277	33	3,728	LED 3500K	CEILING	RECESSED GYP.	
SLE	FINELITE MARK ARCHITECT LIGHTING	HP-4-R-D-4FT-V-F-SC-FC10-96LG VF-FE-LGD10W	120/277	33	3,728	LED 3500K	CEILING	RECESSED GYP.	EM
V4	FINELITE	HP-2-P-D-**T-H-F-99LG-FC10-FA150-99CFG-FE	120/277	9 W/FT	870 L/FT	LED 3500K	AS DIRECTED BY ARCHITECT BELOW DUCTWORK	PENDANT	FSA, V4, DCT
V6	FINELITE	HP-2-P-D-**T-H-F-99LG-FC10-FA150-99CFG-FE	120/277	9 W/FT	870 L/FT	LED 3500K	AS DIRECTED BY ARCHITECT BELOW DUCTWORK	PENDANT	FSA, V6, DCT
V6E	FINELITE	HP-2-P-D-**T-H-F-99LG-FC10-FA150-99CFG-FE-LGD18W	120/277	9 W/FT	870 L/FT	LED 3500K	AS DIRECTED BY ARCHITECT BELOW DUCTWORK	PENDANT	EM14, FSA, V6, DCT

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	CATALOG NUMBER	VOLTAGE	LAMPS			MOUNTING HEIGHT	MOUNTING TYPE	REMARKS
				WATTS	LUMENS	TYPE			
W	LITHONIA WILLIAMS COOPER	WST-LED-P1	120/277	15	1500	LED 4000K	ABOVE DOOR OR HEIGHT AS DIRECTED BY ARCHITECT	OUTLET BOX	FSA
WE	LITHONIA WILLIAMS COOPER	WST-LED-P1-EM	120	15	1500	LED 4000K	ABOVE DOOR HEIGHT AS DIRECTED BY ARCHITECT	OUTLET BOX	EM, FSA
W2	VISA LIGHTING	OW2400-L40K-MVOLT	120/277	13	520	LED 4000K	AS DIRECTED BY ARCHITECT	OUTLET BOX	FSA
WS	GOTHAM	IC02WC-**/1000-AR-LSS-45D-UGX-SGB-WET LOCATION	120/277	9	1000	LED 4000K	AS DIRECTED BY ARCHITECT	OUTLET BOX	FSA
X1	LITHONIA WILLIAMS COOPER	EDG-1-GMR-ELN	120/277	FURNISHED BY MANUFACTURER			CEILING OR ABOVE DOOR	OUTLET BOX	EMX
X2	LITHONIA WILLIAMS COOPER	EDG-2-GMR-ELN	120/277	FURNISHED BY MANUFACTURER			CEILING	OUTLET BOX	EMX
X3	LITHONIA WILLIAMS COOPER	EDG-1-GMR-ELN WITH WIRE GUARD	120/277	FURNISHED BY MANUFACTURER			CEILING OR ABOVE DOOR	OUTLET BOX	EMX
X4	BEGHELLI LITHONIA COOPER	TSL-1-G-20-*-U	NONE	NONE			CEILING	OUTLET BOX	
Y	HOLOPHANE	AWDES-P20-40K-MVOLT-CLF-AL5 AND CHA-12-F5J-16D-C03-RXXXY POLE WITH TWO (2) BA-21IN-1A-CO-F5J-BL-**** BANNER ARMS	120	40	5975	LED 4000K	MOUNT AT 12'-0" ABOVE GRADE ON TOP OF 12' FLUTED POLE - SEE DETAIL "E-LP2"		ARM, FSA, R
Y2	LITHONIA	RSX2-LED-P2-R2	120/277	114	17,000	LED 4000K	INSTALL ON HAPCO 25 FT ROUND TAPERED ALUMINUM POLE WITH BANNER ARMS TO MATCH EX.		FSA
Y3	LITHONIA	RSX2-LED-P2-R3	120/277	114	17,000	LED 4000K	INSTALL ON HAPCO 25 FT ROUND TAPERED ALUMINUM POLE WITH BANNER ARMS TO MATCH EX		FSA

LIGHTING FIXTURE SCHEDULE GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE ALL FIXTURE MOUNTING PROVISIONS WITH THE ASSOCIATED CEILING TYPE(S) PRIOR TO ORDERING FIXTURES.
2. ALL FIXTURES AND BALLASTS/DRIVERS SHALL BE RATED FOR OPERATION IN AMBIENT TEMPERATURES UP TO 55 DEGREES CELSIUS.

LIGHTING FIXTURE SCHEDULE KEYED NOTES:

ARM PROVIDE POLE WITH BANNER ARMS TO MATCH THE CAMPUS STANDARD. COORDINATE HEIGHT, ORIENTATION, FINISH, BANNER PIPE SIZE, AND ALL OTHER OPTIONS OF BANNER ARMS WITH THE OWNER PRIOR TO ORDERING POLES
EM EMERGENCY FIXTURE. PROVIDE EMERGENCY BATTERY PACK RATED FOR AT LEAST 700 LUMENS.
EM14 EMERGENCY FIXTURE. PROVIDE EMERGENCY BATTERY PACK RATED FOR AT LEAST 1400 LUMENS.
EMX EMERGENCY FIXTURE. PROVIDE EMERGENCY BATTERY PACK RATED FOR AT LEAST 90 MINUTES OF OPERATION.
FSA PROVIDE FINISH AS SELECTED BY ARCHITECT.
LL FURNISH IN "L" CONFIGURATION WITH ONE 4FT SIDE AND ONE 2FT SIDE.
R PROVIDE POLE WITH RECEPTACLE PROVISION IN SHAFT. COORDINATE EXACT RECEPTACLE HEIGHT AND ORIENTATION WITH THE OWNER PRIOR TO ORDERING POLES.
RR LOCATE RECESSED SLOT FIXTURE 12 INCHES FROM WET WALL.
V4 FURNISH IN "V" CONFIGURATION WITH TWO 4FT SIDES ANGLED AT 120 DEGREES.
V6 FURNISH IN "V" CONFIGURATION WITH TWO 6FT SIDES ANGLED AT 120 DEGREES.
VC VERIFY CEILING TYPE SPECIFIED IN ARCHITECTURAL SPECIFICATIONS PRIOR TO SUBMITTING FIXTURES.
DCT FURNISH REQUIRED STEM(S) AND ACCESSORIES AS REQUIRED TO MOUNT BELOW DUCTWORK.

LIGHTING CONTROL PANEL SCHEDULE - LCP-1A

MARK	DESCRIPTION	PANEL	CIRCUIT	AUTOMATIC CONTROL		OVERRIDE ON		OVERRIDE OFF		REMARKS
				ON	OFF	STATION	BUTTON	STATION	BUTTON	
R1	ACCENT WALL LIGHTING	RP-1A	38	OWNER	OWNER					
R2	ACCENT WALL LIGHTING	RP-1A	40	OWNER	OWNER					
R3	EXTERIOR LIGHTS	LP-LA	3	DUSK	DAWN					EMERGENCY
R4	EX. GYM EM LIGHTS	RP-1A	32			$LC1	1	$LC1	1	EMERGENCY
R5	EX. GYM EM LIGHTS	RP-1A	34			$LC1	1	$LC1	1	EMERGENCY
R6	EX. GYM EM LIGHTS	RP-1A	36			$LC1	1	$LC1	1	EMERGENCY
R7	EX. GYM NORMAL LIGHTS	RP-1A	43			$LC1	1	$LC1	1	
R8	EX. GYM NORMAL LIGHTS	RP-1A	44			$LC1	1	$LC1	1	
R9	EX. GYM NORMAL LIGHTS	RP-1A	45			$LC1	1	$LC1	1	
R10	EX. GYM NORMAL LIGHTS	RP-1A	46			$LC1	1	$LC1	1	
R11	EX. GYM NORMAL LIGHTS	RP-1A	47			$LC1	1	$LC1	1	
R12	EX. GYM NORMAL LIGHTS	RP-1A	48			$LC1	1	$LC1	1	
R13	EX. GYM NORMAL LIGHTS	RP-1A	49			$LC1	1	$LC1	1	
R14	EX. GYM NORMAL LIGHTS	RP-1A	50			$LC1	1	$LC1	1	
R15	EX. GYM NORMAL LIGHTS	RP-1A	51			$LC1	1	$LC1	1	
R16	EX. GYM NORMAL LIGHTS	RP-1A	52			$LC1	1	$LC1	1	
R17	EX. GYM NORMAL LIGHTS	RP-1A	53			$LC1	1	$LC1	1	
R18	EX. GYM NORMAL LIGHTS	RP-1A	54			$LC1	1	$LC1	1	
R19	EX. GYM NORMAL LIGHTS	RP-1A	55			$LC1	1	$LC1	1	
R20	EX. GYM NORMAL LIGHTS	RP-1A	56			$LC1	1	$LC1	1	
R21	ACCENT WALL LIGHTING	RP-1A	77	OWNER	OWNER					
R22	ACCENT WALL LIGHTING	RP-1A	79	OWNER	OWNER					
R23	SPARE									
R24	SPARE									

LIGHTING CONTROL PANEL SCHEDULE - LCP-1B

MARK	DESCRIPTION	PANEL	CIRCUIT	AUTOMATIC CONTROL		OVERRIDE ON		OVERRIDE OFF		REMARKS
				ON	OFF	STATION	BUTTON	STATION	BUTTON	
R1	EXTERIOR LIGHTS	LP-1B	4	DUSK	DAWN					EMERGENCY
R2	POST-TOP LIGHTS	RP-1B	38	DUSK	DAWN					
R3	SPARE									
R4	SPARE									
R5	SPARE									
R6	SPARE									
R7	SPARE									
R8	SPARE									
R9	SPARE									
R10	SPARE									
R11	SPARE									
R12	SPARE									
R13	SPARE									
R14	SPARE									
R15	SPARE									
R16	SPARE									
R17	SPARE									
R18	SPARE									
R19	SPARE									
R20	SPARE									
R21	SPARE									
R22	SPARE									
R23	SPARE									
R24	SPARE									

NOTES:
1. PROVIDE BARRIER TO SEPARATE NORMAL AND EMERGENCY CIRCUITS.
2. VERIFY SCHEDULING TIMES WITH OWNER PRIOR TO PROGRAMMING SYSTEM.
3. ALL RELAYS THAT SERVE EMERGENCY CIRCUITS SHALL CLOSE UPON LOSS OF NORMAL POWER.

PANELBOARD SCHEDULE - TEMP PP

PANEL TYPE:	SQUARE 'D' TYPE NQ				AIC RATING:	65KAIC (MINIMUM)		
VOLTAGE:	120/208V-3P-4W				MOUNTING:	SURFACE		
AMPS & TYPE:	225 AMP - MLO				LOCATION:	SEE PLANS		
FED FROM:	EX. PP-M				FEEDER:	SEE SINGLE LINE DIAGRAM		

CIR. NO.	DESCRIPTION	VOLTS	P	HP	KW OR KVA	AMPS	BKR SIZE	LOCAL SAFETY SW. RATING	WIRE AND COND. SIZE	REMARKS
1	TEMP ELEC HEAT	208	3		10.0		40/3	60/3	3#8 & 1#10G - 1"C	
2	TEMP ELEC HEAT	208	3		10.0		40/3	60/3	3#8 & 1#10G - 1"C	
3	TEMP ELEC HEAT	208	3		10.0		40/3	60/3	3#8 & 1#10G - 1"C	
4	TEMP ELEC HEAT	208	3		10.0		40/3	60/3	3#8 & 1#10G - 1"C	
5								-		
6								-		
7								-		
8								-		
9								-		
10								-		

TOTAL CONNECTED LOAD:	40.0 KVA	NOTES:
	111.1 AMPS	1. INSTALL THIS PANEL TEMPORARILY TO SERVE EXISTING GYMNASIUM
TOTAL DEMAND LOAD:	40.0 KVA	ELECTIC HEAT. REMOVE PANEL ONCE PERMANENT HVAC SYSTEM IS OPERATIONAL
	111.1 AMPS	
TOTAL COMPUTED LOAD:	40.0 KVA	
	111.1 AMPS	

PANELBOARD SCHEDULE - MSB

PANEL TYPE:	SQUARE 'D' SWITCHBOARD				AIC RATING:	65KAIC (MINIMUM)		
VOLTAGE:	277/480V-3P-4W				MOUNTING:	SURFACE		
AMPS & TYPE:	2500/3 MAIN BKR SHUNT-TRIP				LOCATION:	SEE PLANS		
FED FROM:	UTILITY				FEEDER:	7 SETS OF 4-500MCM - 3 1/2"C		

CIR. NO.	DESCRIPTION	VOLTS	P	HP	KW OR KVA	AMPS	BKR SIZE	LOCAL SAFETY SW. RATING	WIRE AND COND. SIZE	REMARKS
1	LP-LA	277/480	3		34.0		100/3	-	4#3 & 1#8G - 1 1/2"C	
2	LP-1B	277/480	3		147.2		225/3	-	4#4/0 & 1#4G - 2 1/2"C	
3	RP-LA (150 KVA X-FORMER)	480	3		99.6		250/3	-	3-250MCM & 1#4G - 2 1/2"C	
4	MP-MA	277/480	3		354.6		600/3	-	2 SETS OF 4-350MCM & 1#1G - 3"C	
5	ELEVATOR	480	3			25.0	60/3	60/3 - F60	3#6 & 1#10G - 1"C	NOTE 6
6	B-1	480	3			290.0	400/3	400/3	2 SETS OF 3#3/0 & 1#3G - 2"C	
7	B-2	480	3			290.0	400/3	400/3	2 SETS OF 3#3/0 & 1#3G - 2"C	
8	CH-1	480	3			312.0	500/3	600/3 - F500	2 SETS OF 3#4/0 & 1#2G - 2 1/2"C	
9	CH-2	480	3			312.0	500/3	600/3 - F500	2 SETS OF 3#4/0 & 1#2G - 2 1/2"C	
10	SPACE		3				-/3	-		
11	SPACE		3				-/3	-		
12	SPACE		3				-/3	-		
13	SPACE		3				-/3	-		
14	SPACE		3				-/3	-		

TOTAL CONNECTED LOAD:	1,655.3 KVA	NOTES:
	2,069.1 AMPS	1. PROVIDE INTEGRAL 240KA (PER PHASE) SPD.
TOTAL DEMAND LOAD:	1602.6 KVA	2. SWITCHGEAR DIMENSIONS SHALL NOT EXCEED THOSE SHOWN ON PLANS.
	2,003.3 AMPS	3. SWITCHBOARD SHALL BE FRONT-ACCESSIBLE ONLY
TOTAL COMPUTED LOAD:	1613.5 KVA	4. MAIN BREAKER SHALL BE GROUND-FAULT TYPE
	2,016.9 AMPS	5. PROVIDE ARC-FLASH ENERGY REDUCTION MAINTENANCE SWITCH (TO ADJUST BREAKER TRIP SETTINGS TO LOWER LEVELS WHEN SWITCH IS IN "MAINTENANCE MODE") PER NEC ARTICLE 240.87 REQUIREMENTS.
		6. ELEVATOR BREAKER SHALL BE SHUNT-TRIP TYPE LSI ELECTRONIC-TRIP BREAKER WITH AUXILIARY CONTACTS.

TRANSFORMER SCHEDULE

MARK	SIZE (KVA)	DESCRIPTION	PRIMARY VOLTAGE & PHASE	SECONDARY VOLTAGE & PHASE	PANEL FED	MOUNTING	GROUND SIZE	REMARKS
T-LA	150	DRY-TYPE	480V-3P-3W	120/208V-3P-4W	RP-LA	FLOOR	#2/0	
T-1B	75	DRY-TYPE	480V-3P-3W	120/208V-3P-4W	RP-1B	FLOOR	#2	

TRANSFORMER SCHEDULE NOTES:
1. EXACT TRANSFORMER LOCATIONS SHALL BE FIELD COORDINATED TO PROVIDE CODE-REQUIRED CLEARANCES AND WORKING SPACES AROUND TRANSFORMERS AND ADJACENT EQUIPMENT (SUCH AS PANELBOARDS).
2. ALL TRANSFORMERS SHALL BE MOUNTED ON VIBRATION ISOLATORS PER SPECIFICATION REQUIREMENTS.

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

ISSUE DATE
ISSUED FOR BID 2026.11.06
DRAWN BY: JRA
CHECKED BY: RCR

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

ACCS # [00000]
GMC ABHM250051

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 24463 ROBERT C. RENFRO
2026.11.06

ELECTRICAL SCHEDULES

E6.01

JACKSON, RENFRO & ASSOCIATES, INC
ELECTRICAL ENGINEERING & DESIGN
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JRA JOB NO. 225225

PANELBOARD SCHEDULE - LP-LA

PANEL TYPE:	SQUARE 'D' TYPE NF			AIC RATING:	35KAIC (MINIMUM)					
VOLTAGE	277/480V-3P-4W			MOUNTING:	SURFACE					
AMPS & TYPE:	100 AMP - MLO			LOCATION:	SEE PLANS					
FED FROM:	MSB			FEEDER:	SEE PANELBOARD SCHEDULE - MSB					
CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	LIGHTS	1,000	A	1,750	LIGHTS	20/1	-	2
3	LCP	20/1	EXTERIOR LIGHTS	200	B	1,000	LIGHTS	20/1	-	4
5	-	20/1	LIGHTS	1,100	C	2,050	GYM LIGHTS	20/1	-	6
7	-	20/1	GYM LIGHTS	2,050	A	1,750	MEZZ LIGHTS	20/1	-	8
9	-	20/1	GYM EM LIGHTS	500	B	1,200	SITE LIGHTING	20/1	LCP	10
11	-	20/1	SPARE		C	5,000	EWH-1	30/1	-	12
13	-	20/1	SPARE		A		-	20/1	-	14
15	-	20/1	SPARE		B		-	20/1	-	16
17	-	20/1	SPARE		C		-	20/1	-	18
19	-	20/1	SPARE		A		-	20/1	-	20
21	-	20/1	SPARE		B		-	20/1	-	22
23	-	20/1	-		C		-	20/1	-	24
25	-	20/1	-		A		-	20/1	-	26
27	-	20/1	-		B		-	20/1	-	28
29	-	20/1	VAVR-1-1	1,600	C	2,300	VAVR-1-2	20/1	-	30
31	-	30/1	VAVR-1-3	5,400	A	2,600	VAVR-1-4	20/1	-	32
33	-	20/1	VAVR-1-5	1,800	B		-	20/1	-	34
35	-	20/1	-		C		-	20/1	-	36
37	-	20/1	-		A		-	20/1	-	38
39	-	20/1	-		B		-	20/1	-	40
41	-	20/1	-		C		-	20/1	-	42

NOTES:	PH. A:	PH. B:	PH. C:		
1. PROVIDE INTEGRAL 160KA (PER PHASE) SPD.	14,550	4,700	12,050	TOTAL CONNECTED LOAD:	31.3 KVA
					39.1 AMPS
				TOTAL DEMAND LOAD:	31.3 KVA
					39.1 AMPS
				TOTAL COMPUTED LOAD:	34.0 KVA
					42.5 AMPS

PANELBOARD SCHEDULE - LP-1B

PANEL TYPE:	SQUARE 'D' TYPE NF			AIC RATING:	18KAIC (MINIMUM)					
VOLTAGE	277/480V-3P-4W			MOUNTING:	SURFACE					
AMPS & TYPE:	225 AMP - MLO			LOCATION:	SEE PLANS					
FED FROM:	MSB			FEEDER:	SEE PANELBOARD SCHEDULE - MSB					
CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	LIGHTS	1,200	A	1,200	LIGHTS	20/1	-	2
3	-	20/1	LIGHTS	1,100	B	400	EXTERIOR LIGHTS	20/1	LCP	4
5	-	20/1	SPARE		C		-	20/1	-	6
7	-	25/3	CU-1	4,760	A	7,500	CU-2	40/3	-	8
9	-	|	|	4,760	B	7,500	|	|	-	10
11	-	|	|	4,760	C	7,500	|	|	-	12
13	-	15/3	AC-1	2,000	A	2,950	AC-2	20/3	-	14
15	-	|	|	2,000	B	2,950	|	|	-	16
17	-	|	|	2,000	C	2,950	|	|	-	18
19	-	20/1	SPARE		A	1,000	EF-5	15/3	-	20
21	-	20/1	SPARE		B	1,000	|	|	-	22
23	-	20/1	SPARE		C	1,000	|	|	-	24
25	-	20/1	SPARE		A		-	20/1	-	26
27	-	20/1	SPARE		B		-	20/1	-	28
29	-	20/1	VAVR-AC1-1	1,400	C	5,700	VAVR-AC1-2	30/1	-	30
31	-	30/1	VAVR-AC1-3	5,100	A	1,900	VAVR-AC1-4	20/1	-	32
33	-	20/1	VAVR-AC2-1	5,200	B	5,200	VAVR-AC2-2	30/1	-	34
35	-	30/1	VAVR-AC2-3	5,200	C	5,200	VAVR-AC2-4	30/1	-	36
37	-	20/1	VAVR-AC2-5	900	A	17,288	RP-1B (75 KVA X-FORMER)	125/3	-	38
39	-	20/1	-		B	17,288	3#1 & 1#6G - 1 1/2"C	|	-	40
41	-	20/1	-		C	17,288	|	|	-	42

NOTES:	PH. A:	PH. B:	PH. C:		
1. PROVIDE INTEGRAL 160KA (PER PHASE) SPD.	45,798	47,398	52,998	TOTAL CONNECTED LOAD:	158.5 KVA
					198.2 AMPS
				TOTAL DEMAND LOAD:	146.1 KVA
					182.6 AMPS
				TOTAL COMPUTED LOAD:	147.2 KVA
					184.0 AMPS

PANELBOARD SCHEDULE - RP-LA

PANEL TYPE:	SQUARE 'D' TYPE NQ			AIC RATING:	14KAIC (MINIMUM)					
VOLTAGE	120/208V-3P-4W			MOUNTING:	SURFACE					
AMPS & TYPE:	600/3 MAIN BKR			LOCATION:	SEE PLANS					
FED FROM:	MSB			FEEDER:	2 SETS OF 4-350MCM & 1#2/0G - 3 1/2"C					
CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	RECEPTACLES	1,200	A	600	RECEPTACLES	20/1	-	2
3	-	20/1	SPARE		B	500	FACP	20/1	LON	4
5	-	20/1	SPARE		C	500	HOT BOX	20/1	EGFI	6
7	-	35/2	CU-ELEC-1	1,950	A	100	AC-ELEC-1	15/2	-	8
9	-	|	|	1,950	B	100	|	|	-	10
11	-	20/1	CH-1 CONTROL	200	C	400	CH-1 HEAT TAPE	20/1	EGFI	12
13	-	20/1	CH-2 CONTROL	200	A	400	CH-2 HEAT TAPE	20/1	EGFI	14
15	-	20/1	SPARE		B	1,000	CP-1	20/1	-	16
17	-	20/1	SPARE		C	500	AHU-1 LIGHTS	20/1	-	18
19	-	20/1	SPARE		A	500	AHU-2 LIGHTS	20/1	-	20
21	-	20/1	SPARE		B	500	SCALE BLASTER	20/1	-	22
23	-	20/1	-		C		-	20/1	-	24
25	-	20/1	-		A		-	20/1	-	26
27	-	20/1	-		B		-	20/1	-	28
29	-	20/1	-		C		-	20/1	-	30
31	-	20/1	-		A		-	20/1	-	32
33	-	20/1	-		B		-	20/1	-	34
35	-	20/1	-		C		-	20/1	-	36
37	-	20/1	-		A	7,603	RP-LD	125/3	-	38
39	-	20/1	-		B	7,603	4#1 & 1#6G - 2"C	|	-	40
41	-	20/1	-		C	7,603	|	|	-	42

NOTES:	PH. A:	PH. B:	PH. C:		
1. PROVIDE INTEGRAL 160KA (PER PHASE) SPD.	12,553	11,653	9,203	TOTAL CONNECTED LOAD:	118.3 KVA
2. "LON" = 'LOCK-ON' HARDWARE	SUB-FEED RP-1A				328.7 AMPS
3. "GFCI" = GFI-TYPE BREAKER (5mA TRIP).	71.4 KVA DEMAND			TOTAL DEMAND LOAD:	92.5 KVA
4. FURNISH WITH FEED-THRU LUGS.					257.0 AMPS
5. "EGFI" = GFI-EPD TYPE BREAKER (30mA TRIP)				TOTAL COMPUTED LOAD:	99.6 KVA
					276.6 AMPS

PANELBOARD SCHEDULE - RP-LD

PANEL TYPE:	SQUARE 'D' TYPE NQ			AIC RATING:	10KAIC (MINIMUM)					
VOLTAGE	120/208V-3P-4W			MOUNTING:	SURFACE					
AMPS & TYPE:	125 AMP - MLO			LOCATION:	SEE PLANS					
FED FROM:	RP-LA			FEEDER:	SEE PANELBOARD SCHEDULE - RP-LA					
CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	RECEPTACLES	1,200	A	1,400	RECEPTACLES	20/1	-	2
3	GFCI	20/1	DRINKING FOUNTAINS	1,400	B	1,000	RECEPTACLES	20/1	-	4
5	-	20/1	RECEPTACLES	1,400	C	1,000	RECEPTACLES	20/1	-	6
7	-	20/1	RECEPTACLES	1000	A	1,000	RECEPTACLES	20/1	-	8
9	-	20/1	POWER GOAL	1000	B	600	ROOF RECEPTACLES	20/1	-	10
11	-	20/1	RTU-1 (CKT #2)	1000	C	1,000	RTU-2 (CKT #2)	20/1	-	12
13	-	20/1	RTU-3 (CKT #2)	1000	A	1,000	SCOREBOARD	20/1	-	14
15	-	20/1			B			20/1	-	16
17	-	20/1	AHU-3 (CKT #2)	1020	C	1,000	SUMP PUMP	20/1	GFCI	18
19	-	20/1	SPARE		A	1,000	|	20/1	-	20
21	-	20/1	ELEVATOR PIT LIGHTS	200	B	200	ELEVATOR PIT LIGHTS	20/1	-	22
23	-	20/1	ELEVATOR PIT RECEPTACLE	200	C	200	ELEVATOR PIT RECEPTACLE	20/1	-	24
25	-	20/1	SSRG	500	A	500	SSRG	20/1	-	26
27	-	20/1	SSRG	500	B	500	SSRG	20/1	-	28
29	-	20/1	SPARE		C	1,800	LIFT STATION	30/3	-	30
31	-	20/1	ELEVATOR LIGHTS	1,200	A	1,800	|	|	-	32
33	-	20/1	SPARE		B	1,800	|	|	-	34
35	-	20/1	SPARE		C		-	20/1	-	36
37	-	20/1	SPARE		A		-	20/1	-	38
39	-	20/1	SPARE		B		-	20/1	-	40
41	-	20/1	-		C		-	20/1	-	42

NOTES:	PH. A:	PH. B:	PH. C:		
1. PROVIDE INTEGRAL 160KA (PER PHASE) SPD.	11,600	7,200	8,629	TOTAL CONNECTED LOAD:	27.4 KVA
2. "GFCI" = GFI-TYPE BREAKER (5mA TRIP).					76.2 AMPS
				TOTAL DEMAND LOAD:	22.5 KVA
					62.5 AMPS
				TOTAL COMPUTED LOAD:	22.8 KVA
					63.4 AMPS

PANELBOARD SCHEDULE - RP-1A (SECT. 1)

PANEL TYPE:	SQUARE 'D' TYPE NQ			AIC RATING:	10KAIC (MINIMUM)					
VOLTAGE	120/208V-3P-4W			MOUNTING:	SURFACE					
AMPS & TYPE:	600 AMP - MLO			LOCATION:	SEE PLANS					
FED FROM:	RP-LA			FEEDER:	2 SETS OF 4-350MCM & 1#1G - 3"C					
CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	RECEPTACLES	1,000	A	1,400	RECEPTACLES	20/1	-	2
3	GFCI	20/1	DRINKING FOUNTAINS	1,200	B	1,200	RECEPTACLES	20/1	-	4
5	GFCI	20/1	DRINKING FOUNTAINS	1,200	C	200	RECEPTACLES	20/1	-	6
7	-	20/1	TBB	400	A	200	RECEPTACLES	20/1	-	8
9	-	20/1	TBB	400	B	200	RECEPTACLES	20/1	-	10
11	-	20/1	RECEPTACLES	1,000	C	1,200	RECEPTACLES	20/1	-	12
13	-	20/1	RECEPTACLES	1,000	A	1,000	RECEPTACLES	20/1	-	14
15	-	20/1	RECEPTACLES	1,000	B	1,200	COPIER	20/1	-	16
17	-	20/1	RECEPTACLES	1,000	C	1,500	SOCIAL BREAK	20/1	-	18
19	GFCI	20/1	ICE MAKER	1,000	A	1,500	SOCIAL BREAK	20/1	-	20
21	GFCI	20/1	REFRIGERATOR	1,000	B	1,500	SOCIAL BREAK	20/1	-	22
23	-	20/1	RECEPTACLES	1,200	C	1,200	RECEPTACLES	20/1	-	24
25	-	20/1	RECEPTACLES	1,000	A	800	RECEPTACLES	20/1	-	26
27	-	20/1	RECEPTACLES	1,200	B	400	ERU-1 MARINE LIGHTS	20/1	-	28
29	-	20/1	RECEPTACLES	1,000	C	600	RECEPTACLES	20/1	-	30
31	-	30/1	TBB	1,800	A	500	GYM EM LIGHTS	20/1	LCP	32
33	-	30/1	TBB	1,800	B	500	GYM EM LIGHTS	20/1	LCP	34
35	-	20/1	DAS	200	C	500	GYM EM LIGHTS	20/1	LCP	36
37	-	20/1	DAS	200	A	1,000	ACCENT WALL INTEGRAL LTG	20/1	LCP	38
39	-	20/1	SPARE		B	1,000	ACCENT WALL INTEGRAL LTG	20/1	LCP	40
41	-	20/1	SPARE		C		SPARE	20/1	-	42
RP-1A (SECT. 2)										
43	LCP	20/1	EXISTING GYM LIGHTING	1,500	A	1,500	EXISTING GYM LIGHTING	20/1	LCP	44
45	LCP	20/1	EXISTING GYM LIGHTING	1,500	B	1,500	EXISTING GYM LIGHTING	20/1	LCP	46
47	LCP	20/1	EXISTING GYM LIGHTING	1,500	C	1,500	EXISTING GYM LIGHTING	20/1	LCP	48
49	LCP	20/1	EXISTING GYM LIGHTING	1,500	A	1,500	EXISTING GYM LIGHTING	20/1	LCP	50
51	LCP	20/1	EXISTING GYM LIGHTING	1,500	B	1,500	EXISTING GYM LIGHTING	20/1	LCP	52
53	LCP	20/1	EXISTING GYM LIGHTING	1,500	C	1,500	EXISTING GYM LIGHTING	20/1	LCP	54
55	LCP	20/1	EXISTING GYM LIGHTING	1,500	A	1,500	EXISTING GYM LIGHTING	20/1	LCP	56
57	-	20/1	EXISTING GYM POWER	1,000	B	1,000	EXISTING GYM POWER	20/1	-	58
59	-	20/1	EXISTING GYM POWER	1,000	C	1,000	EXISTING GYM POWER	20/1	-	60
61	-	20/1	EXISTING GYM POWER	1,000	A	1,000	EXISTING GYM POWER	20/1	-	62
63	-	20/1	EXISTING GYM POWER	1,000	B	1,000	POWER GOAL	20/1	-	64
65	-	20/1	EXISTING GYM POWER	1,000	C	1,000	POWER GOAL	20/1	-	66
67	-	20/1	EXISTING GYM POWER	1,000	A	1,000	POWER GOAL	20/1	-	68
69	-	20/1	SPARE		B	1,000	ACCENT WALL INTEGRAL LTG	20/1	LCP	70
71	-	20/1	SPARE		C	1,000	ACCENT WALL INTEGRAL LTG	20/1	LCP	72
73	-	20/1	SPARE		A	1,500	SCOREBOARD	20/1	-	74
75	-	20/1	-		B	1,500	SCOREBOARD	20/1	-	76
77	-	20/1	-		C	1,500	SCOREBOARD	20/1	-	78
79	-	20/1	-		A		-	20/1	-	80
81	-	15/2	AC-SR109	500	B	1,800	CU-SR109	35/2	-	82
83	-	|	|	500	C	1,800	|	|	-	84

NOTES:	PH. A:	PH. B:	PH. C:		
1. PROVIDE INTEGRAL 160KA (PER PHASE) SPD.	27,300	27,400	25,600	TOTAL CONNECTED LOAD:	80.3 KVA
2. "GFCI" = GFI-TYPE BREAKER (5mA TRIP).					223.1 AMPS
				TOTAL DEMAND LOAD:	64.7 KVA
					179.8 AMPS
				TOTAL COMPUTED LOAD:	71.4 KVA
					198.2 AMPS

PANELBOARD SCHEDULE - RP-1B

PANEL TYPE:	SQUARE 'D' TYPE NQ			AIC RATING:	10KAIC (MINIMUM)					
VOLTAGE	120/208V-3P-4W			MOUNTING:	SURFACE					
AMPS & TYPE:	300/3 MAIN BKR			LOCATION:	SEE PLANS					
FED FROM:	LP-1B			FEEDER:	4-350MCM & 1#2G - 3"C					
CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	RECEPTACLES	1,000	A	1,400	RECEPTACLES	20/1	-	2
3	GFCI	20/1	DRINKING FOUNTAIN	1,200	B	1,400	RECEPTACLES	20/1	-	4
5	-	20/1	RECEPTACLES	1,400	C	1,500	HOSPITALITY RECEPTACLE	20/1	-	6
7	GFCI	20/1	ICE MAKER	1,500	A	1,500	HOSPITALITY RECEPTACLE	20/1	-	8
9	GFCI	20/1	REFRIGERATOR	1,500	B	1,500	HOSPITALITY RECEPTACLE	20/1	-	10
11	GFCI	20/1	REFRIGERATOR	1,500	C	1,500	HOSPITALITY RECEPTACLE	20/1	-	12
13	GFCI	20/1	REFRIGERATOR	1,500	A	800	POWER DOOR	20/1	-	14
15	-	20/1	RECEPTACLES	800	B	1,000	POWER GOAL	20/1	-	16
17	-	20/1	POWER DOOR	800	C	1,500	CONCESSION RECEPTACLE	20/1	-	18
19	-	20/1	RECEPTACLES	200	A	1,500	CONCESSION RECEPTACLE	20/1	-	20
21	-	20/1	SPARE		B	1,500	CONCESSION RECEPTACLE	20/1	-	22
23	-	20/1	SPARE		C	1,500	CONCESSION RECEPTACLE	20/1	-	24
25	LON	20/1	RAM	500	A	1,000	POWER GOAL	20/1	-	26
27	-	35/2	CU-ELEC-2	1,950	B	100	AC-ELEC-2	15/2	-	28
29	-	|	|	1,950	C	100	|	|	-	30
31	-	20/1	SPARE		A	1,500	SCOREBOARD	20/1	-	32
33	-	20/1	SPARE		B	1,500	SCOREBOARD	20/1	-	34
35	-	20/1	SPARE		C	1,500	SCOREBOARD	20/1	-	36
37	-	20/1	SPARE		A	400	POST-TOP LIGHTS	20/1	LCP	38
39	-	20/1	SPARE		B		-	20/1	-	40
41	-	20/1	SPARE		C		-	20/1	-	42

NOTES:	PH. A:	PH. B:	PH. C:		
1. PROVIDE INTEGRAL 160KA (PER PHASE) SPD.	12,800	12,450	13,250	TOTAL CONNECTED LOAD:	64.2 KVA
2. "GFCI" = GFI-TYPE BREAKER (5mA TRIP).	SUB-FEED RP-1C				178.3 AMPS
3. FURNISH WITH FEED-THRU LUGS.	23.5 KVA DEMAND			TOTAL DEMAND LOAD:	51.8 KVA
4. "LON" = 'LOCK-ON' HARDWARE					143.8 AMPS
				TOTAL COMPUTED LOAD:	51.9 KVA
					144.1 AMPS

PANELBOARD SCHEDULE - RP-1C

PANEL TYPE:	SQUARE 'D' TYPE NQ			AIC RATING:	10KAIC (MINIMUM)					
VOLTAGE	120/208V-3P-4W			MOUNTING:	SURFACE					
AMPS & TYPE:	300 AMP - MLO			LOCATION:	SEE PLANS					
FED FROM:	RP-1B			FEEDER:	4-350MCM & 1#4G - 3"C					
CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	RECEPTACLES	1,400	A	1,200	RECEPTACLES	20/1	-	2
3	-	20/1	RECEPTACLES	1,200	B	1,400	RECEPTACLES	20/1	-	4
5	-	20/1	RECEPTACLES	1,000	C	1,000	POWER GOAL	20/1	-	6
7	-	20/1	TBB	400	A	1,000	POWER GOAL	20/1	-	8
9	-	20/1	TBB	400	B		-	20/1	-	10
11	-	20/1	TRAINING RECEPTACLE	1,500	C	1,500	TRAINING RECEPTACLE	20/1	-	12
13	GFCI	20/1	ICE MACHINE	1,200	A	200	RECEPTACLES	20/1	-	14
15	-	20/1	SPARE		B	800	RECEPTACLES	20/1	-	16
17	-	20/1	RECEPTACLES		C	1,000	DRINKING FOUNTAINS	20/1	GFCI	18
19	-	30/1	TBB	1,800	A	200	RECEPTACLES	20/1	-	20
21	-	30/1	TBB	1,800	B	200	RECEPTACLES	20/1	-	22
23	-	20/1	SPARE		C		-	20/1	-	24
25	-	20/1	SPARE		A		-	20/1	-	26
27	-	35/2	CU-DATA	1,950	B	100	AC-DATA	15/2	-	28
29	-	|	|	1,950	C	100	|	|	-	30
31	-	20/1	SPARE		A	800	WASHER	15/3	-	32
33	-	20/1	SPARE		B	800	|	|	-	34
35	-	20/1	SPARE		C	800	|	|	-	36
37	-	20/1	-		A		-	20/1	-	38
39	-	20/1	-		B		-	20/1	-	40
41	-	20/1	-		C		-	20/1	-	42

NOTES:	PH. A:	PH. B:	PH. C:		
1. PROVIDE INTEGRAL 160KA (PER PHASE) SPD.	8,200	8,650	8,850	TOTAL CONNECTED LOAD:	25.7 KVA
2. "GFCI" = GFI-TYPE BREAKER (5mA TRIP).					71.4 AMPS
				TOTAL DEMAND LOAD:	23.5 KVA
					65.2 AMPS
				TOTAL COMPUTED LOAD:	23.5 KVA
					65.2 AMPS

PANELBOARD SCHEDULE - MP-MA

PANEL TYPE:	SQUARE 'D' I-LINE SERIES						AIC RATING:	42KAIC (MINIMUM)		
VOLTAGE:	277/480V-3P-4W						MOUNTING:	SURFACE		
AMPS & TYPE:	600 AMP - MLO						LOCATION:	SEE PLANS		
FED FROM:	MSB						FEEDER:	SEE PANELBOARD SCHEDULE - MSB		
CIR. NO.	DESCRIPTION	VOLTS	P	HP	KW OR KVA	AMPS	BKR SIZE	LOCAL SAFETY SW. RATING	WIRE AND COND. SIZE	REMARKS
1	ERU-1	480	3			74.7	90/3	100/3 - F90	3#3 & 1#8G - 1 1/4"C	
2	AHU-1 (CKT #1)	480	3			16.0	30/3	30/3 - F30	3#10 & 1#10G - 3/4"C	
3	AHU-2 (CKT #1)	480	3			10.4	20/3	30/3 - F20	3#12 & 1#12G - 3/4"C	
4	AHU-3 (CKT #1)	480	3			30.9	60/3	60/3 - F60	3#8 & 1#10G - 1"C	
5	SCHP-1	480	3	10			35/3	60/3	3#10 & 1#10G - 3/4"C	
6	SCHP-2	480	3	10			35/3	60/3	3#10 & 1#10G - 3/4"C	
7	HWP-1	480	3	5			15/3	30/3	3#12 & 1#10G - 3/4"C	
8	HWP-2	480	3	5			15/3	30/3	3#12 & 1#10G - 3/4"C	
9	DRYER	480	3		27.0		45/3	60/3 - F45	3#8 & 1#10G - 1"C	
10	RTU-1 (CKT #1)	480	3			6.2	15/3	30/3 - F15	3#12 & 1#12G - 3/4"C	
11	RTU-2 (CKT #1)	480	3			43.6	90/3	100/3 - F90	3#6 & 1#10G - 1"C	
12	RTU-3 (CKT #1)	480	3			46.3	90/3	100/3 - F90	3#6 & 1#10G - 1"C	
13	EWH-1	480	3		30.0		50/3	60/3	3#8 & 1#10G - 1"C	
14	EWH-2	480	3		30.0		50/3	60/3	3#8 & 1#10G - 1"C	
15	EWH-3	480	3		30.0		50/3	60/3	3#8 & 1#10G - 1"C	
16	EWH-4	480	3		30.0		50/3	60/3	3#8 & 1#10G - 1"C	
17	SPACE	480	3				-/3	-		
18	SPACE	480	3				-/3	-		
19	SPACE	480	3				-/3			
20	SPACE	480	3				-/3			
		TOTAL CONNECTED LOAD:				364.0 KVA	NOTES:			
						455.0 AMPS	1. PROVIDE INTEGRAL 160KA (PER PHASE) SPD.			

GMC

Goodwyn Mills Cawood, LLC
2400 5th Avenue South, Suite 200
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T 205.879.4462
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ISSUE	DATE
ISSUED FOR BID	2026.11.06

DRAWN BY: JRA
CHECKED BY: RCR

ESCC LOLLEY GYM RENOVATION
600 PLAZA DR,
ENTERPRISE, AL 36330

ACCS # [00000]
GMC ABH#250051

ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24401
2026.11.06

ELECTRICAL SCHEDULES

E6.02

JACKSON, RENFRO & ASSOCIATES, INC.
ELECTRICAL ENGINEERING & DESIGN
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6/22/2026 4:50:16 PM TEMPLATE VERSION: 2025.1

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 2022 ED. OR MOST CURRENT) BY THE ALABAMA SOIL AND WATER CONSERVATION COMMITTEE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND FAMILIARIZING HIMSELF WITH THE HANDBOOK AND THE STANDARDS AND MATERIALS CONTAINED THEREIN. THE HANDBOOK MAY BE PURCHASED FROM THE ALABAMA CHAPTER OF THE SOIL AND WATER CONSERVATION SOCIETY THROUGH THE COUNTY SOIL AND WATER CONSERVATION FOUNDATION. ORDER FORMS ARE AVAILABLE ON THE HOME PAGES OF THE ALABAMA CHAPTER OF THE SOIL AND WATER CONSERVATION SOCIETY (HTTP:\WWW.ALCHAPTERSWCS.ACES.EDU) AND THE ALABAMA SOIL AND WATER CONSERVATION COMMITTEE (HTTPS://ALCONSERVATIONDISTRICTS.GOV/) AND AT LOCAL SOIL AND WATER CONSERVATION DISTRICT OFFICES IN EACH COUNTY.
2. THE MAINTENANCE OF ALL BEST MANAGEMENT PRACTICES, SO AS TO BE AN EFFECTIVE BARRIER TO EROSION AND SEDIMENTATION, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR THROUGHOUT THE DURATION OF THE CONSTRUCTION PERIOD. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN COMPLIANCE WITH ALL ADEM AND EPA BEST MANAGEMENT PRACTICES AND THE NPDES PERMIT ASSOCIATED WITH THIS SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR, REPLACEMENT, AND/OR SUPPLEMENTATION OF ANY CONTROL MEASURES THAT ARE NOT FUNCTIONING PROPERLY. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHOWN ON THE PLANS SHALL BE CONSIDERED A MINIMUM.
3. 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 UPSLOPE 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 CONSTRUCTED AND 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.
4. 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 BMPS SHALL REMAIN IN PLACE IN ACCORDANCE WITH THE BMP PLAN UNTIL THE GRADED SLOPE OR FILL IS STABILIZED.
5. ALL HAZARDOUS SUBSTANCES USED FOR THIS PROJECT (PAINT, OIL, GREASE, AND OTHER PETROLEUM PRODUCTS) SHALL BE STORED IN ACCORDANCE WITH SPCC REGULATIONS. THESE SUBSTANCES SHALL BE STORED AWAY FROM STORM DRAINS, DITCHES, AND GUTTERS IN WATERTIGHT CONTAINERS. DISPOSAL OF THESE SUBSTANCES SHALL BE IN ACCORDANCE WITH ADEM REGULATIONS. THE CONTRACTOR SHALL PROVIDE ADEQUATE TRASH CONTAINERS ONSITE FOR THE DISPOSAL OF CONSTRUCTION MATERIALS WASTE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING TRASH FROM ENTERING THE STORM DRAINAGE SYSTEM.
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. DURING PROLONGED RAINFALLS, DAILY CHECKING AND, IF NECESSARY, REPAIRING SHALL BE DONE. THE PERMITTEE SHALL MAINTAIN WRITTEN RECORDS OF SUCH CHECKS AND REPAIRS, WHICH SHALL BE SUBJECT TO THE INSPECTION OF THE OFFICIAL AT ANY REASONABLE TIME.
7. DISTURBED AREA = 2.08 +/- ACRES
8. APPROXIMATE START DATE: DECEMBER 2026. APPROXIMATE END DATE: APRIL 2027.
9. EXISTING SITE CONDITIONS: EXISTING RECREATION BUILDING ON COMMUNITY COLLEGE CAMPUS WITH ACCESS DRIVE, PARKING, HARDSCAPES, LANDSCAPING, DRAINAGE, AND UTILITIES.
10. ALL MATERIALS SHALL BE PROPERLY STORED, NOT EXPOSED TO RAIN, AND STOCKPILED. ALL CONTAINERS SHALL BE STORED CLOSED OR IN COVER. ALL EXCESS OR WASTE MATERIAL SHALL BE DISPOSED OF PROPERLY. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION WASTE DUMPSTER OR TRAILER ON SITE FOR CONSTRUCTION WASTE. THE CONTRACTOR SHALL DISPOSE OF TRASH AND WASTE TO AN ACCEPTABLE OFFSITE FACILITY EVERY 10 DAYS MINIMUM.
11. THERE SHALL BE NO DISTINCTLY VISIBLE FLOATING SCUM, OIL, OR OTHER MATTER CONTAINED IN THE STORM WATER DISCHARGE TO A RECEIVING WATER, MUST NOT CAUSE AN UNNATURAL COLOR (EXCEPT DYES OR OTHER SUBSTANCES DISCHARGED FOR THE PURPOSE OF ENVIRONMENTAL STUDIES AND WHICH DO NOT HAVE A HARMFUL EFFECT ON THE RECEIVING WATER), OR ODOR IN THE RECEIVING WATERS. THE STORM WATER DISCHARGE TO RECEIVING WATER MUST RESULT IN NO MATERIAL IN CONCENTRATION SUFFICIENT TO BE HAZARDOUS OR OTHERWISE DETRIMENTAL TO HUMANS, LIVESTOCK, WILDLIFE, PLANT LIFE OR FISH AND AQUATIC LIFE IN THE RECEIVING WATER.
12. WHEN THE LAND-DISTURBING ACTIVITY IS FINISHED AND STABLE VEGETATION OR OTHER PERMANENT CONTROLS HAVE BEEN ESTABLISHED ON ALL REMAINING EXPOSED SOIL, THE OWNER OF THE LAND WHERE THE LAND-DISTURBING ACTIVITY WAS CONDUCTED, OR HIS AUTHORIZED AGENT, SHALL NOTIFY THE OFFICIAL OF THESE FACTS AND REQUEST A FINAL INSPECTION. THE OFFICIAL SHALL THEN INSPECT THE SITE WITHIN 5 WORKING DAYS AFTER RECEIPT OF NOTICE, AND MAY REQUIRE ADDITIONAL MEASURES TO STABILIZE THE SOIL AND CONTROL EROSION AND SEDIMENTATION AS REQUIRED.
13. THE CONTRACTOR SHALL MINIMIZE THE TRACKING OF MUD AND DEBRIS ONTO PAVED ROADWAYS FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION EXIT PAD AS NOTED ON THE PLANS AND MAINTAIN IT ON A REGULAR BASIS AS AN EFFECTIVE MEASURE FOR REMOVING MUD AND DEBRIS FROM EQUIPMENT TIRES FROM BEING TRACKED FROM THE SITE ONTO ADJACENT ROADWAYS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SPRAY HOSE FOR WASHING OF TIRES AND EQUIPMENT, THE PERIODIC REWORKING OF THE CONSTRUCTION EXIT PAD STONE, OR SUPPLEMENTING THE EXIT PAD WITH ADDITIONAL STONE AS REQUIRED TO ENSURE ITS CONTINUED EFFECTIVENESS THROUGHOUT THE DURATION OF THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AT HIS EXPENSE ANY MUD AND DEBRIS TRACKED OFFSITE AND ONTO ADJACENT ROADWAYS AS REQUIRED.
14. ALL EXISTING AND NEW STORM DRAINAGE INLETS, STRUCTURES, AND PIPES SHALL BE CLEANED OF TRASH AND SEDIMENTS ON A REGULAR BASIS, WEEKLY AT A MINIMUM, SO AS NOT TO ALLOW DOWNSTREAM POLLUTION OF RECEIVING WATERS OR THE ESCAPING OF SEDIMENTS OFF SITE.
15. TEMPORARY DIVERSION BERMS AND/OR DITCHES SHALL BE PROVIDED AS REQUIRED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING DUST TO A MINIMUM THROUGH THE USE OF WATER TRUCKS OR OTHER DUST CONTROLLING METHODS THROUGHOUT THE CONSTRUCTION PERIOD.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING EROSION AND SILTATION OFF OF ADJACENT AND DOWNSTREAM PROPERTIES AND/OR ADJOINING SITES. AT HIS EXPENSE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF SEDIMENTS AND DEBRIS ESCAPING THIS PROJECT SITE, THE REMEDIATION AND/OR REPAIR OF ANY DAMAGE THAT MAY OCCUR AS A RESULT TO ADJOINING AND/OR DOWNSTREAM AFFECTED PROPERTIES OR OFFSITE STRUCTURES, AND ANY FINES OR PENALATIES LEVIED AGAINST THE PROJECT BY REGULATORY AGENCIES DUE TO DEFICIENCIES OF CONTROL MEASURES.
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, COVERED WITH SOLID SOD, OR AS SHOWN ON THE LANDSCAPE PLAN (IF ANY). LOCALIZED EROSION AND RILLS SHALL BE REPAIRED AS NECESSARY AT THE CONTRACTORS EXPENSE. AREAS TO BE SEEDED SHALL RECEIVE 4" OF TOPSOIL AND AREAS TO BE SODDED SHALL RECEIVE 2" (MIN.) OF TOPSOIL. ACCOUNT FOR THICKNESS OF TOPSOIL WITH RESPECT TO FINISHED GRADES.

DEMOLITION NOTES

1. ALL ON-SITE EXISTING UTILITIES NOT TO BE USED SHALL BE REMOVED. CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY COMPANY FOR THE REMOVAL AND DISCONNECTION OF EXISTING UTILITIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL UTILITIES IN ALL AREAS TO BE REMOVED OR DEMOLISHED, PRIOR TO COMMENCEMENT OF WORK. THE UTILITIES TO BE LOCATED SHALL INCLUDE, BUT NOT BE LIMITED TO WATER, GAS, SANITARY SEWER, STORM SEWER, SITE LIGHTING, IRRIGATION, SECURITY, CABLE, SITE ELECTRICAL, AND TELEPHONE.
3. ALL UTILITIES TO BE REMOVED SHALL BE CUT, REMOVED, CAPPED, ETC. ACCORDING TO ALL GOVERNING AGENCIES SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY AGENCIES PRIOR TO ANY WORK BEING DONE ON THEIR RESPECTIVE LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING AND INFORMING EACH UTILITY AGENCY OF THE SCOPE OF WORK AND SCHEDULE OF COMPLETION, AND SHALL COORDINATE ALL INSPECTIONS.
4. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD AND SHALL LOCATE ON THE GROUND WITH PAINT OR OTHER EASILY VISIBLE MEANS ALL UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION EFFORTS. CONFLICTS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER IMMEDIATELY. THE UTILITIES SHOWN ARE ILLUSTRATED AS LOCATED ON THE GROUND BY LINE LOCATORS, SURVEY OF ABOVE GROUND STRUCTURES, AND/OR ACCORDING TO UTILITY MAPS OR UTILITY ADMINISTRATOR'S RECOLLECTION, AND ARE PROVIDED AS INFORMATION ONLY.
5. THE CONTRACTOR SHALL PRESERVE AND PROTECT, ACCORDING TO THE INSTRUCTIONS OF THE UTILITY INVOLVED, ANY "LIVE" UTILITIES LOCATED BY THE UTILITY COMPANY OR THE CONTRACTOR.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL CONCRETE, SIDEWALKS, WALLS, ETC. DAMAGED DURING CONSTRUCTION. ALL DISTURBED AREAS WITHIN PUBLIC RIGHTS OF WAY SHALL BE RESTORED TO THE ORIGINAL CONDITION OR AS ACCEPTED BY THE OWNER.

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. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY OF ANY CONFLICTS OR DISCREPANCIES. ALL SERVICE CONNECTIONS TO UTILITIES SHALL BE APPROVED BY THE RESPECTIVE UTILITY AND SHALL CONFORM TO THE LATEST SPECIFICATIONS.
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 THE CITY OF ENTERPRISE AND ALL OTHER PERTINENT AGENCIES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXTENT, LOCATION AND ELEVATION OF THE EXISTING IMPROVEMENTS. IF ANY SIGNIFICANT DIFFERENCE IN SITE CONDITION OR ELEVATION IS FOUND, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY.
7. UNSTABLE AND PUMPING SUB GRADE CONDITIONS MAY OCCUR DURING SITE PREPARATION AND UNDERCUTTING OPERATIONS. PROPER PROTECTION OF SUB GRADE, DRAINAGE AND DEWATERING WILL BE CRITICAL TO SITE CONSTRUCTION EFFORTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MINIMIZE EQUIPMENT TRAFFIC ACROSS THE SITE. EVERY EFFORT SHALL BE MADE TO LOCALIZE EQUIPMENT STAGING AND TRAFFIC TO SPECIFIC AREAS AND LIMIT THE AMOUNT OF UNDERCUTTING AND SOIL STABILIZATION THAT MAY BE NEEDED. THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT FOR FURTHER RECOMMENDATIONS.
8. OMIT
9. ALL GRADING OPERATIONS SHALL BE MONITORED BY A QUALIFIED GEOTECHNICAL CONSULTANT AS CHOSEN AND PAID FOR BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING SAID CONSULTANT IN ADVANCE OF ALL REQUIRED TESTING AND SECURING COPIES OF RESULTING REPORTS.
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, UNLESS OTHERWISE NOTED. TOP AND BOTTOM ELEVATIONS FOR RETAINING WALLS (IF ANY) REPRESENT THE FINISHED GROUND ELEVATION AT THE WALL, NOT FOOTINGS, RAILINGS ETC.
13. ALL STORM DRAINAGE PIPE SHALL BE CLASS 3 MINIMUM REINFORCED CONCRETE PIPE WITH TYPE 1, 2 OR 3 BEDDING UNLESS SPECIFICALLY SHOWN OTHERWISE IN THE PLANS. IF ANOTHER TYPE OF PIPE IS SPECIFIED, BEDDING AND BACKFILL SHALL BE AS PER THE MANUFACTURER'S STANDARDS AND SPECS.
14. THE CONTRACTOR SHALL COORDINATE THE ELECTRICAL CONNECTION POINT, SERVICE, SIZE, POLE LOCATIONS, AND TRANSFORMER LOCATIONS WITH THE SERVICE PROVIDER PRIOR TO CONSTRUCTION ACTIVITIES.
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. THE MAXIMUM ALLOWABLE HEIGHT OF BRICK SHALL BE 11 INCHES.
18. ALL DRAINAGE STRUCTURES, INLET BOXES, AND CATCH BASINS SHALL HAVE 2" WEEP HOLES FORMED, OR DRILLED, ON ALL SIDES WHERE DRAINAGE PIPES DO NOT INTERFERE WITH THEM. ALL WEEP HOLES SHALL HAVE GRAVEL WRAPPED WITH FILTER FABRIC AT THEIR INTERFACE WITH BACK FILL TO AID GROUNDWATER FLOW TO THE WEEP HOLE.
19. THE CONTRACTOR SHALL USE SPILL OUT CURB AND GUTTER AS REQUIRED TO ENSURE POSITIVE DRAINAGE AND THAT NO WATER IS HELD IN THE LOW POINTS OF GUTTERS. THE TRANSITION FROM STANDARD GUTTER TO SPILLOUT GUTTER SHALL BE SMOOTH AND AESTHETICALLY PLEASING.
20. THE CONTRACTOR SHALL ENSURE THAT ALL SIDEWALKS, RAMPS, AND ACCESSIBLE PARKING AREAS ARE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT AMERICANS WITH DISABILITIES ACT AND ARCHITECTURAL BARRIERS ACT ACCESSIBILITY GUIDELINES.
21. ALL FUEL STORAGE TANKS USED ON THE SITE BY THE CONTRACTOR SHALL MEET ALL LOCAL, STATE, AND FEDERAL CODES AND REGULATIONS.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING ALL TRENCH EXCAVATIONS FOR THIS PROJECT ARE IN ACCORDANCE WITH OSHA REGULATIONS.
23. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE AREAS TO BE USED FOR LAYDOWN AND TRAILERS. THE CONTRACTOR SHALL RESTORE ALL THE AREAS USED FOR LAYDOWN AND TRAILER TO THEIR ORIGINAL CONDITION.
24. SITE SECURITY WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE LAYOUT OF TEMPORARY CONSTRUCTION FENCING WITH THE OWNER.
25. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF WALKS, DOORS, UTILITY SERVICE TIE-INS (LOCATION, SIZE, AND ELEVATION), ROOF DRAINS, BUILDING DIMENSIONS, ETC. WITH THE ARCHITECTURAL, STRUCTURAL, PLUMBING, MECHANICAL, ELECTRICAL, AND FIRE PROTECTION PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE WORK OF OTHER TRADES PRIOR TO INSTALLING THE IMPROVEMENTS SHOWN ON THESE PLANS.

PERMANENT SEEDING SPECIFICATION

1. SEED MIXES

REFERENCE: ALDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2022 EDITION OR MOST CURRENT, SECTION 650, SECTION 652, SECTION 860, AND OTHERS AS APPLICABLE.

ZONE 3 - AREAS SUBJECT TO FREQUENT MOWING (REQUIRED LBS. PER ACRE)

DATE OF PLANTING	SEPT. 1 - FEB. 29		MAR. 1 - AUG. 31	MAR. 1 - AUG. 31
ANNUAL RYEGRASS	10	25		
HULLED BERMUDAGRASS			18	
UNHULLED BERMUDAGRASS	30		12	12
ANNUAL LESPEDEZA (KOBE)			38	24
PENSACOLA BAHIA GRASS				47
RESEEDING CRIMSON CLOVER	5			
NOTES	1	2	3	3
REQ'D PERMANENT PLANT		BERMUDAGRASS		PENSACOLA BAHIA GRASS

1. DURING THIS SEASON RYEGRASS, BERMUDAGRASS AND CLOVER ARE REQUIRED WHERE VEGETATION MUST BE ESTABLISHED WITHIN AN AREA NO FURTHER THAN 15 FEET FROM THE EDGE OF MAINLINE PAVEMENT. (THIS IS USUALLY REQUIRED FOR SHORT DURATION WORK THAT IS DONE ON PAVEMENT RESURFACING PROJECTS.) 2. ANNUAL RYEGRASS IS REQUIRED WHERE VEGETATION MUST BE ESTABLISHED WITHIN AN AREA THAT EXTENDS FURTHER THAN 15 FEET FROM THE EDGE OF MAINLINE PAVEMENT. SEEDING IN STUBBLE FOR THE ESTABLISHMENT OF PERMANENT VEGETATION IS REQUIRED DURING THE FOLLOWING MONTH OF MARCH. 3. BERMUDAGRASS WILL BE REQUIRED AS THE PERMANENT PLANT IT IS NOT SHOWN ON THE PLANS THAT PENSACOLA BAHIA GRASS WILL BE REQUIRED AS THE PERMANENT PLANT.

ZONE 3 - AREAS NOT SUBJECT TO FREQUENT MOWING (REQUIRED LBS. PER ACRE)

DATE OF PLANTING	JAN. 1 - FEB. 15	FEB. 16 - AUG. 31	SEPT. 1 - NOV. 30	DEC. 1 - DEC. 31
ANNUAL RYEGRASS	10		10	10
HULLED BERMUDAGRASS		12	12	
UNHULLED BERMUDAGRASS	29	18	12	29
TALL FESCUE	29		35	29
WEEPING LOVEGRASS		2	2	
ANNUAL LESPEDEZA (KOBE)		50		
RESEEDING CRIMSON CLOVER	29		29	29
PENSACOLA BAHIA GRASS	29	24	29	29
REQ'D PERMANENT PLANT		MIXED		

2. FERTILIZER

APPLY 4000 LBS. AGRICULTURAL LIMESTONE PER ACRE.
APPLY 1000 LBS. OF FERTILIZER PER ACRE FOR GRASS SEEDING OR AS RECOMMENDED BY MANUFACTURER.
LIME AND FERTILIZER ARE TO BE DISKED INTO THE SOIL SURFACE TO A MINIMUM DEPTH OF 4 INCHES.

MANUFACTURED FERTILIZER

TYPE	NITROGEN	PHOSPHORUS (P2O5)	POTASH (K2O)
15-0-15	15	0	15
13-13-13	13	13	13
10-10-10	10	10	10
8-8-8	8	8	8
0-14-14	0	14	14
4-12-12	4	12	12
4-16-8	4	16	8
SUPER PHOSPHATE	0	18	0
AMMONIUM NITRATE	33.5	0	0
AMMONIUM SULPHATE	20.5	0	0
SODIUM NITRATE	16	0	0
POTASSIUM CHLORIDE	0	0	60

3. GENERAL NOTES AND MAINTENANCE

AFTER SEEDING, THE AREA IS TO BE ROLLED OR CULTIPACKED TO ENSURE THAT THE SEED IS PRESSED INTO CONTACT WITH SOIL SURFACE. ALL SEEDED AREAS ARE TO BE MULCHED WITH STRAW MULCH AT THE RATE OF 4000 LBS. PER ACRE. (APPROX. 100 BALES PER ACRE.) APPLY ASPHALT EMULSION TO THE STRAW MULCH AT THE RATE OF 150 GALLONS PER ACRE.

THE ABOVE DESCRIBED SEEDING RECOMMENDATIONS AND RATES HAVE BEEN PREPARED FOR SELECTION OF A VEGETABLE COVER SUITABLE FOR SOIL EROSION CONTROL IN PLANTING ZONE 3 AS DEFINED BY THE ALDOT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, 2022 EDITION. THE CONTRACTOR SHALL VERIFY THE PLANTING ZONE THE PROJECT IS LOCATED WITHIN AND ALERT THE PROJECT ENGINEER OF ANY DISCREPANCIES.

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 SEEDBED PREPARATION, TOPSOILING, LIMING, FERTILIZING, SEEDING AND MULCHING OF ALL NEWLY GRADED FINISH EARTH SURFACES, UNLESS INDICATED OTHERWISE, AND AT ALL AREAS INSIDE OR OUTSIDE THE LIMITS OF CONSTRUCTION THAT ARE DISTURBED BY THE CONTRACTOR'S OPERATIONS. REFERENCE ALDOT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, 2026 EDITION OR MOST CURRENT, SECTION 650, SECTION 652, SECTION 860, AND OTHERS AS APPLICABLE.

2. MATERIALS

FERTILIZER AND LIME : DELIVER MATERIALS TO THE SITE IN ORIGINAL, UNOPENED CONTAINERS BEARING THE MANUFACTURER'S CHEMICAL ANALYSIS, NAME, TRADE NAME, TRADEMARK, AND INDICATION OF CONFORMANCE TO STATE AND FEDERAL LAWS.

FERTILIZER : COMMERCIAL GRADE, FREE FLOWING, SLOW-RELEASE, UNIFORM IN COMPOSITION GRANULAR FERTILIZER SHALL CONTAIN A MINIMUM PERCENTAGE BY WEIGHT OF 17 PERCENT NITROGEN, 17 PERCENT AVAILABLE PHOSPHORIC ACID, AND 17 PERCENT POTASH. APPLY FERTILIZER AT THE RATE OF 500 POUNDS PER ACRE.

LIME : LIME SHALL BE COMMERCIAL AGRICULTURAL LIMESTONE CONTAINING A MINIMUM OF 94 PERCENT OF TOTAL CARBONATES, 80 PERCENT CALCIUM, AND 14 PERCENT MAGNESIUM. AGRICULTURAL LIMESTONE SHALL BE INCORPORATED INTO THE SOIL AT THE RATE OF 2000 POUNDS PER ACRE.

SEED : DELIVER SEED TO THE SITE IN ORIGINAL SEALED PACKAGES BEARING THE PRODUCER'S GUARANTEED ANALYSIS FOR PERCENTAGES OF MIXTURE, PURITY, GERMINATION, WEEDSEED CONTENT, AND INERT MATERIAL. LABEL IN CONFORMANCE WITH USDA FEDERAL SEED ACT AND APPLICABLE STATE SEED LAWS. WET MOLDY, OR OTHERWISE DAMAGED SEED WILL BE REJECTED. SEED SHALL BE STATE-CERTIFIED SEED AND OF THE LATEST SEASON'S CROP.

MULCH : FREE FROM NOXIOUS WEEDS, MOLD, OR OTHER DELETERIOUS MATERIAL. PROVIDE WOOD CELLULOSE FIBER MULCH WHEN HYDROSEEDING.

STRAW : STALKS FROM OATS, WHEAT, RYE, BARLEY, OR RICE. FURNISH IN AIR-DRY CONDITION AND OF PROPER CONSISTENCY FOR PLACING WITH COMMERCIAL MULCH BLOWING EQUIPMENT OR BY HAND.

WOOD CELLULOSE FIBER : PROCESSED TO CONTAIN NO GROWTH OR GERMINATION - INHIBITING FACTORS AND DYED AN APPROPRIATE COLOR TO FACILITATE VISUAL METERING OF MATERIAL'S APPLICATION. COMPOSITION ON AIR-DRY WEIGHT BASIS: 9-15 PERCENT MOISTURE, pH RANGE FROM 3.5 TO 5.0.

EMULSIFIED ASPHALT ADHESIVE : SUITABLE QUALITY FOR IRRIGATION.

WATER : SUITABLE QUALITY FOR IRRIGATION.

3. SEEDING

STORAGE AND HANDLING : STORE LIME, FERTILIZER, AND SEED IN DRY LOCATIONS AWAY FROM CONTAMINANTS. PROTECT SEED FROM DRYING OUT. DO NOT DROP OR DUMP MATERIALS FROM VEHICLES.

SOIL PREPARATION: AT THE COMPLETION OF ROUGH GRADING, SPREAD TOPSOIL OVER AREAS TO BE SEEDED OR AS SOIL PREPARATION INDICATED, TO A MINIMUM THICKNESS OF 2 INCHES. TOPSOIL SHALL BE IN THE MATERIAL STRIPPED FROM THE SITE DURING THE GRADING OPERATIONS. DO NOT SPREAD TOPSOIL WHEN FROZEN OR EXCESSIVELY WET OR DRY. AREAS NOT RECEIVING TOPSOIL SHALL BE LOOSENED TO A MINIMUM DEPTH OF 4 INCHES BEFORE AGRICULTURAL LIME, FERTILIZER OR SEED IS APPLIED. LAWN AREAS SHALL BE FINE GRADED TO A SMOOTH, POSITIVELY DRAINING SLOPE, REMOVING ALL STONES OVER ONE INCH.

SEEDING : SEED SHALL BE SOWN WITHIN 24 HOURS FOLLOWING THE APPLICATION OF FERTILIZER AND LIME, AND PREPARATION OF THE SEEDBED. DO NOT SEED WHEN THE GROUND IS MUDDY, FROZEN, SNOW COVERED, OR IN ANY UNSATISFACTORY CONDITION FOR SEEDING. IF SPECIAL CONDITIONS EXIST THAT MAY WARRANT A VARIANCE IN THE ABOVE SEEDING DATES OR CONDITIONS, SUBMIT A WRITTEN REQUEST TO THE ENGINEER STATING THE SPECIAL CONDITIONS AND PROPOSED VARIANCE.
SOW SEED WITH APPROVED SOWING EQUIPMENT USING ONE OR A COMBINATION OF THE FOLLOWING METHODS. SOW 1/2 THE SEED IN ONE DIRECTION AND SOW THE REMAINDER AT RIGHT ANGLES TO THE FIRST SOWING. FOR DRILL, BROADCAST, AND DROP SEEDING, INCORPORATE FERTILIZER AND LIME INTO THE SOIL TO A MINIMUM DEPTH OF 6 INCHES PRIOR TO SEEDING. FOR HYDROSEEDING, APPLY LIQUID FERTILIZER IN AMOUNTS SUFFICIENT TO PROMOTE THE SPECIFIED STAND OF TURF AND APPLY LIME MANUALLY DURING SUBGRADE PREPARATION.

DRILL SEEDING : USE CULTIPACKER SEEDERS OR GRASS SEED DRILLS. DRILL SEED UNIFORMLY TO A MAXIMUM DEPTH OF 1/4 INCH IN CLAYED SOILS AND 1/2 INCH IN SANDY SOILS. COVER SEED BY SPIKETOOTH HARROW, CULTIPACKER, OR OTHER APPROVED DEVICES.

BROADCAST SEEDING AND DROP SEEDING : USE BROADCAST OR DROP SEEDERS. COVER SEED UNIFORMLY TO A MAXIMUM DEPTH OF 1/4 INCH IN CLAYEY SOILS AND 1/2 INCH IN SANDY SOILS. COVER SEED BY SPIKE TOOTH HARROW, RAKING, OR OTHER APPROVED DEVICES. IMMEDIATELY AFTER SEEDING, FIRM ENTIRE AREA, EXCEPT FOR SLOPES IN EXCESS OF 3 TO 1, WITH A ROLLER NOT EXCEEDING 90 POUNDS FOR EACH FOOT OF ROLLER WIDTH.

HYDROSEEDING : MIX SEED, FERTILIZER, AND WOOD CELLULOSE FIBER IN REQUIRED AMOUNT OF WATER TO PRODUCE A HOMOGENEOUS SLURRY. AFTER SEED, WATER, AND FERTILIZER HAVE BEEN THOROUGHLY MIXED, ADD 200 POUNDS OF WOOD CELLULOSE FIBER PER ACRE (DRY WEIGHT) AND APPLY THE SLURRY. SEED SHALL NOT REMAIN IN WATER CONTAINING FERTILIZER FOR MORE THAN ONE HOUR PRIOR TO APPLICATION, UNLESS OTHERWISE APPROVED. KEEP LIQUID FERTILIZER AGITATED DURING APPLICATION. IMMEDIATELY FOLLOWING APPLICATION OF SLURRY MIX, MAKE SEPARATE APPLICATION OF WOOD CELLULOSE MULCH AT THE RATE OF 800 POUNDS (DRY WEIGHT) PER ACRE. WHEN HYDRAULICALLY SPRAYED ON THE GROUND, MATERIAL SHALL FORM A BLOTTERLIKE COVER IMPREGNATED UNIFORMLY WITH GRASS SEED. COVER SHALL ALLOW RAINFALL OF APPLIED WATER TO PERCOLATE TO UNDERLYING SOIL. TOTAL APPLICATION SHOULD EQUAL 2 TONS/ACRE MULCH.

MULCH : EXCEPT WHEN HYDROSEEDING, SPREAD STRAW MULCH EVENLY AT THE RATE OF 2 TONS PER ACRE. ANCHOR BY CRIMPING MULCH WITH A SERRATED DISC OR BY SPRAYING ASPHALT EMULSION ON THE MULCHED SURFACE AT THE RATE OF 5 GALLONS PER 1000 SQUARE FEET. TAKE PRECAUTIONARY MEASURES TO PREVENT ASPHALT MATERIALS FROM MARKING OR DEFACING STRUCTURES, PAVEMENTS, UTILITIES, OR PLANTINGS AND DO NOT USE ASPHALT NEAR PEDESTRIAN TRAFFIC AREAS.

PROTECTION OF SEEDED AREAS : IMMEDIATELY AFTER SEEDING, PROTECT THE AREA AGAINST TRAFFIC OR OTHER USE BY ERECTING BARRICADES, AS REQUIRED, AND PLACING APPROVED SIGNS AT APPROPRIATE INTERVALS UNTIL FINAL ACCEPTANCE.

4. RESTORATION, ESTABLISHMENT, AND FINAL INSPECTION

RESTORATION : RESTORE TO ORIGINAL CONDITION EXISTING LAWN AREAS WHICH WERE DAMAGED DURING GRASSING OPERATIONS. KEEP AT LEAST ONE PAVED PEDESTRIAN ACCESS ROUTE AND ONE PAVED VEHICULAR ACCESS ROUTE TO EACH BUILDING CLEAN AT ALL TIMES. CLEAN OTHER PAVING WHEN WORK IN ADJACENT AREAS IS COMPLETE.

ESTABLISHMENT PERIOD : THE ESTABLISHMENT PERIOD WILL BE IN EFFECT UNTIL THE SEEDED AND SODDED AREAS ARE MOWED THREE TIMES. DURING THE ESTABLISHMENT PERIOD, THE CONTRACTOR SHALL MOW THE SEEDED AND SODDED AREAS TO AN AVERAGE HEIGHT OF 2 INCHES WHENEVER THE AVERAGE HEIGHT OF GRASS REACHES 4 INCHES. THE CONTRACTOR SHALL REMOVE EXCESS CLIPPINGS, ERADICATE WEEDS, WATER, FERTILIZE, OVERSEED, AND PERFORM OTHER OPERATIONS NECESSARY TO PROMOTE GROWTH.

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. FINAL ACCEPTANCE WILL BE BASED UPON A SATISFACTORY STAND OF GRASS, DEFINED AS 95 PERCENT GROUND COVER OF THE SPECIFIED SPECIES. THE CONTRACTOR WILL REPAIR ANY BARE SPOTS OVER 2 INCHES SQUARE DUE TO UNEVEN SEED DISTRIBUTION.

RESEEDING AND REPAIR : ANY AREAS THAT REQUIRE RESEEDING AND/OR REFERTILIZATION WILL BE DESIGNATED BY THE OWNER/ENGINEER. ANY DAMAGE FOLLOWING SEEDING OR IF SEEDINGS ARE DESTROYED, THE PORTION AFFECTED SHALL BE REPAIRED TO RE-ESTABLISHMENT CONDITION AND GRADE OF THE SOIL PRIOR TO ORIGINAL SEEDING, AND THEN RESEEDED FOLLOWING THE ABOVE SPECIFICATIONS.

TEMPORARY SEEDING SPECIFICATION

REFERENCE: ALDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2022 EDITION OR MOST CURRENT, SECTION 665, SECTION 860, AND OTHERS AS APPLICABLE.

SEPTEMBER - DECEMBER	
ANNUAL RYE GRASS	25 LBS. PER ACRE
KENTUCKY 31 FESCUE	30 LBS. PER ACRE
RESEEDING CRIMSON CLOVER	10 LBS PER ACRE
JANUARY - APRIL 15	
KENTUCKY 31 FESCUE	30 LBS. PER ACRE
RESEEDING CRIMSON CLOVER	30 LBS. PER ACRE
ANNUAL RYEGRASS	15 LBS. PER ACRE
APRIL 16 - AUGUST	
BROWN TOP MILLET	30 LBS. PER ACRE
KENTUCKY 31 FESCUE	30 LBS. PER ACRE
HULLED BERMUDA GRASS	10 LBS. PER ACRE

AFTER SEEDING, THE AREA IS TO BE ROLLED OR CULTIPACKED TO ENSURE THAT THE SEED IS PRESSED INTO CONTACT WITH SOIL SURFACE. ALL SEEDED AREAS ARE TO BE MULCHED WITH STRAW MULCH AT THE RATE OF 4000 LBS. PER ACRE. (APPROX. 100 BALES PER ACRE.) APPLY ASPHALT EMULSION TO THE STRAW MULCH AT THE RATE OF 150 GALLONS PER ACRE.

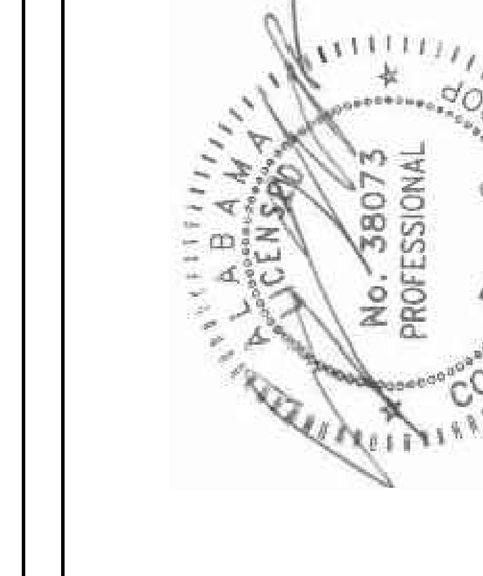
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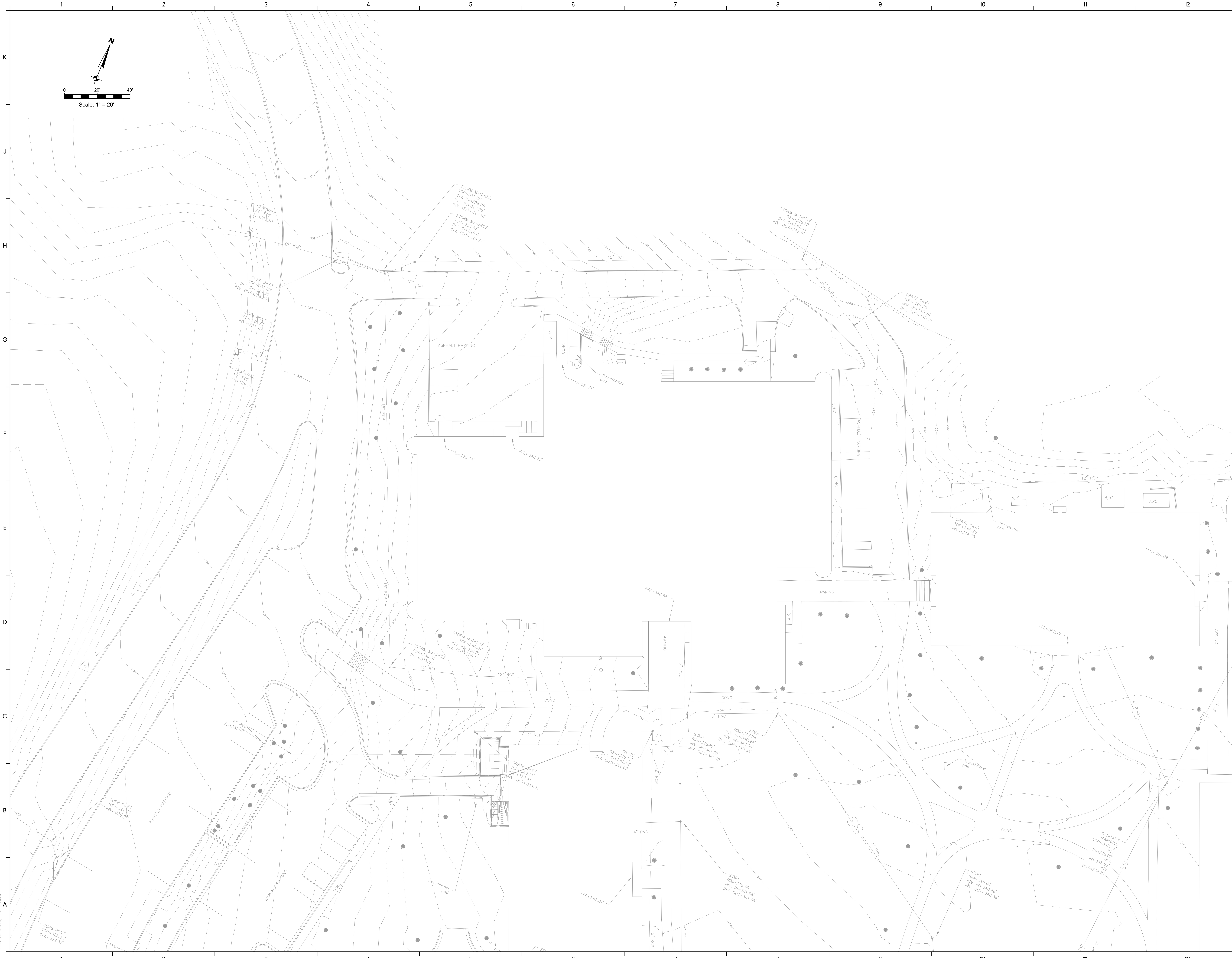


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PROJECT NOTES

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DRAWING FILE: C:\Users\hgilbert\DC\ACCDocs\GMCNetwork\CBHM260006 - ESCC Lolley Gym Renovation\Project Files\0 DWG\C-001 Project Notes.dwg
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ENTERPRISE STATE COMMUNITY COLLEGE
ENTERPRISE, ALABAMA

ABCI Project #
GMC Project # ABHM250051

EXISTING CONDITIONS

C-002

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PHASED DEMOLITION NOTE: ANY DEMOLITION OF THE ACCESS DRIVE ON THE NORTH SIDE OF THE BUILDING SHALL NOT OCCUR BEFORE APRIL 15. CONTRACTOR TO COORDINATE ALL DEMOLITION WORK IN THIS AREA WITH THE OWNER

MANHOLE DEMOLITION NOTE: AT THE SANITARY SEWER MANHOLE TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL FIELD VERIFY ANY EXISTING LATERALS, MARKED OR UNMARKED AND RECONNECT TO NEW MANHOLE. CONTRACTOR IS TO PROVIDE BYPASS PUMPING TO KEEP ANY EXISTING SERVICES ACTIVE WHILE MANHOLE IS BEING REPLACED.

DEMOLITION NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF THE LOCATION OF ALL UTILITIES IN ALL AREAS TO BE REMOVED OR DEMOLISHED, PRIOR TO COMMENCEMENT OF WORK. THE UTILITIES TO BE LOCATED SHALL INCLUDE, BUT NOT BE LIMITED TO WATER, GAS, SANITARY SEWER, STORM SEWER, SITE LIGHTING, IRRIGATION, SECURITY, CABLE, SITE ELECTRICAL, FIBER OPTIC, AND TELEPHONE.
2. ALL UTILITIES TO BE REMOVED SHALL BE CUT, REMOVED, CAPPED, ETC. ACCORDING TO ALL GOVERNING AGENCIES SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY AGENCIES PRIOR TO ANY WORK BEING PERFORMED ON THEIR RESPECTIVE LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING AND INFORMING EACH UTILITY AGENCY OF THE SCOPE OF WORK AND SCHEDULE OF COMPLETION, AND SHALL COORDINATE ALL INSPECTIONS.
3. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD AND SHALL LOCATE ON THE GROUND WITH PAINT OR OTHER EASILY VISIBLE MEANS ALL UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION EFFORTS. THE UTILITIES TO BE LOCATED SHALL INCLUDE, BUT NOT BE LIMITED TO WATER, GAS, SANITARY SEWER, STORM SEWER, SITE LIGHTING, IRRIGATION, SECURITY, CABLE, SITE ELECTRICAL, AND TELEPHONE. CONFLICTS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER IMMEDIATELY. THE UTILITIES SHOWN ARE ILLUSTRATED AS LOCATED ON THE GROUND BY LINE LOCATORS, SURVEY OF ABOVE GROUND STRUCTURES, AND/OR ACCORDING TO UTILITY MAPS OR UTILITY ADMINISTRATOR'S RECOLLECTION, AND ARE PROVIDED AS INFORMATION ONLY.
4. THE CONTRACTOR SHALL PRESERVE AND PROTECT, ACCORDING TO THE INSTRUCTIONS OF THE UTILITY INVOLVED, ANY "LIVE" UTILITIES LOCATED BY THE UTILITY COMPANY OR THE CONTRACTOR.
5. DEMOLITION ITEMS SHOWN ARE CONSIDERED TO BE A MINIMUM. UNDERGROUND STORAGE TANKS AND UNMARKED UTILITIES SHOULD ALSO BE REMOVED AND BACKFILLED WITH PROPERLY COMPACTED MATERIAL. THESE UTILITIES MAY INCLUDE, BUT NOT LIMITED TO SANITARY SEWER LATERALS, TELEPHONE LINES, CABLE LINES, GAS LINES, WATER LINES, ETC.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL CONCRETE, SIDEWALKS, WALLS, ETC. DAMAGED DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE RESTORED TO THE ORIGINAL CONDITION OR AS ACCEPTED BY THE OWNER.

LIMITS OF PHASED DEMOLITION (SEE NOTE)
EX.STORM STRUCTURE TO BE REMOVED AND REPLACED (SEE SHEET C-304)
EX.STORM STRUCTURES AND ASSOCIATED PIPES TO BE PRESERVED AND PROTECTED
EX. CURB TO BE REMOVED
EX. CONCRETE FLUME TO BE REMOVED
EX. ASPHALT PAVEMENT TO BE SAWCUT AND REMOVED
EX. CURB TO BE SAWCUT AT THE NEAREST JOINT AND REMOVED
EX. TREES TO BE REMOVED (TYP.)
EX. +/- 240 LF 15" RCP STORM DRAIN TO BE REMOVED
EX. CURB TO BE SAWCUT AT THE NEAREST JOINT AND REMOVED
EX. ASPHALT PAVEMENT TO BE SAWCUT AND REMOVED
EX. CURB TO BE SAWCUT AT THE NEAREST JOINT AND REMOVED
EX. ASPHALT PAVEMENT TO BE SAWCUT AND REMOVED
EX. CONCRETE TO BE REMOVED
EX. CURB AND GUTTER TO BE SAWCUT AT THE NEAREST JOINT AND REMOVED
EX. LIGHT POLE TO BE REMOVED AND RELOCATED (SEE E-DWGS FOR RELOCATION DETAILS)
EX. CONCRETE AND CONCRETE RISERS TO BE REMOVED
EX. STORM STRUCTURES AND ASSOCIATED PIPES TO BE PRESERVED AND PROTECTED
EX. CURB TO BE REMOVED
EX. CHILLER TO BE TEMPORARILIY RELOCATED DURING CONSTRUCTION. CONTRACTOR TO COORDINATE W/ M-DWGS AND OWNER
EX. ASPHALT TO BE REMOVED
EX. MECHANICAL PADS TO BE REMOVED
EX. CURB TO BE REMOVED
EX. BUILDING AND FOUNDATIONS TO BE PROTECTED DURING CONSTRUCTION (SEE S-DWGS FOR DETAILS)
EX. CONCRETE TO BE REMOVED
EX. BASEMENT LEVEL TO BE REMOVED AND ASSOCIATED UTILITIES TO BE CUT AND CAPPED PER THE AUTHORITY HAVING JURISDICTION'S STANDARDS AND SPECS. CONTRACTOR TO COORDINATE WITH INTERIOR BUILDING DEMOLITION FOR TEMPORARY EXTERIOR WALL. (SEE A-DWGS FOR DETAILS)
EX. BUILDING RENOVATION (SEE A-DWGS FOR DETAILS)
EX. BUILDING AND FOUNDATIONS TO BE PROTECTED DURING CONSTRUCTION (SEE S-DWGS FOR DETAILS)
EX. TREE TO BE REMOVED (TYP.)
EX. CURB TO BE REMOVED
EX. TREES TO BE REMOVED (TYP.)
EX. STORM STRUCTURES TO BE REMOVED AND REPLACED (SEE SHEET C-304)
EX. STORM STRUCTURES TO BE REMOVED AND REPLACED (SEE SHEET C-304)
EX. +/- 53 LF 12" RCP STORM DRAIN TO BE REMOVED
EX. STORM STRUCTURE AND ASSOCIATED PIPES TO BE PRESERVED AND PROTECTED
EX. STORM PIPES TO BE PRESERVED AND PROTECTED
EX. CONCRETE TO BE SAWCUT AT THE NEAREST JOINT AND REMOVED
EX. CONCRETE TO BE SAWCUT AT THE NEAREST JOINT AND REMOVED
EX. STORM STRUCTURES TO BE REMOVED AND REPLACED (SEE SHEET C-304)
EX. CONCRETE TO BE SAWCUT AT THE NEAREST JOINT AND REMOVED
EX. +/- 10 LF 8" PVC STORM DRAIN TO BE REMOVED
EX. CONCRETE TO BE SAWCUT AT THE NEAREST JOINT AND REMOVED
EX. CONCRETE AND CONCRETE RISERS TO BE REMOVED
EX. GREASE TRAP TO BE REMOVED (SEE P-DWGS)
EX. TREE TO BE REMOVED (TYP.)
EX. 6" ROOF DRAIN LATERAL TO BE REMOVED AND REPLACED. CONTRACTOR TO FIELD VERIFY LOCATION AND EXTENTS (SEE SHEET C-304)
EX. CONCRETE AND AWNING TO BE REMOVED (SEE A-DWGS FOR DETAILS)
EX. SANITARY SEWER MANHOLE TO BE REMOVED AND REPLACED (SEE SHEET C-301)
EX. CONCRETE TO BE SAWCUT AT THE NEAREST JOINT AND REMOVED
EX. TRANSFORMER TO BE REMOVED AND REPLACED. CONTRACTOR TO FIELD VERIFY LOCATION (SEE E-DWGS FOR DETAILS)
EX. CURB TO BE SAWCUT AT THE NEAREST JOINT AND REMOVED
EX. ASPHALT PAVEMENT TO BE SAWCUT AND REMOVED
EX. CURB TO BE SAWCUT AT THE NEAREST JOINT AND REMOVED
EX. CONCRETE, CONCRETE RISERS, AND CONCRETE RETAINING WALL TO BE REMOVED
EX. 4" ROOF DRAIN LATERAL TO BE REMOVED AND REPLACED. CONTRACTOR TO FIELD VERIFY LOCATION AND EXTENTS (SEE SHEET C-304)
EX. GAS METER TO BE REMOVED AND EX. GAS LINE TO BE CAPPED. CONTRACTOR TO COORDINATE THIS WORK WITH OWNER AND LOCAL AHJ.
EX. DOWNSPOUTS ALONG FACE OF BUILDING TO ONLY BE REMOVED AND REPLACED IF DAMAGED. CONTRACTOR TO COORDINATE THIS WORK IN THE FIELD WITH THE ARCHITECT
LIMITS OF PHASED DEMOLITION (SEE NOTE)
EX. ASPHALT PAVEMENT TO BE MILLED AND OVERLAID
EX. ASPHALT PAVEMENT TO BE SAWCUT AND REMOVED
EX. DUMPSTER PAD TO BE PRESERVED AND PROTECTED
EX. TREE TO BE REMOVED (TYP.)
EX. CONCRETE TO BE SAWCUT AT THE NEAREST JOINT AT REMOVED
EX. CONCRETE TO BE PRESERVED AND PROTECTED
EX. ASPHALT PAVEMENT TO BE PRESERVED AND PROTECTED
EX. BUILDING AND FOUNDATIONS TO BE PROTECTED DURING CONSTRUCTION (SEE S-DWGS FOR DETAILS)
EX. AWNING TO BE PRESERVED AND PROTECTED
EX. ROOF DRAIN LATERAL TO BE PRESERVED AND PROTECTED
EX. TREE TO BE REMOVED (TYP.)
EX. SANITARY SEWER MANHOLES AND ASSOCIATED PIPES TO BE PRESERVED AND PROTECTED
EX. ROOF DRAIN LATERAL TO BE PRESERVED AND PROTECTED
EX. CONCRETE TO BE SAWCUT AT THE NEAREST JOINT AND REMOVED

LEGEND

- EX. CONCRETE TO BE REMOVED
- EX. ASPHALT TO BE REMOVED
- EX. BUILDING TO BE REMOVED
- EX. ASPHALT TO BE MILLED AND OVERLAID
- EX. TREE TO BE REMOVED
- EX. STORM STRUCTURE TO BE MODIFIED OR REMOVED
- EX. LIGHT POLE TO BE REMOVED (SEE E-DWGS)
- EX. SANITARY SEWER MANHOLE TO BE REMOVED
- EX. STORM DRAIN TO BE REMOVED

N

0 20' 40'
Scale: 1" = 20'

EX. STRUCTURE AND ASSOCIATED UTILITIES TO BE PRESERVED AND PROTECTED DURING WATER LINE INSTALLATION
EX. CURB AND GUTTER TO BE PRESERVED AND PROTECTED DURING WATER LINE INSTALLATION
EX. UTILITY BOXES AND ASSOCIATED UTILITIES TO BE PRESERVED AND PROTECTED DURING WATER LINE INSTALLATION
EX. CURB INLET TO BE PRESERVED AND PROTECTED DURING WATER LINE INSTALLATION
EX. CURB AND GUTTER TO BE PRESERVED AND PROTECTED DURING WATER LINE INSTALLATION

N

0 20' 40'
Scale: 1" = 20'

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ENTERPRISE STATE COMMUNITY COLLEGE
ENTERPRISE, ALABAMA

ABCI Project #
GMC Project # ABHM250051

No. 39073 PROFESSIONAL ENGINEER ALABAMA
Architecture, Engineering, Consulting
11-06-2026

DEMOLITION PLAN

C-003
sheet 000

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0 20' 40'

Scale: 1" = 20'

LEGEND

- STANDARD DUTY ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- 1.5" MILL AND OVERLAY
- CONCRETE SIDEWALK
- HEAVY DUTY CONCRETE PAVEMENT

REQ'D STOP SIGN AND 24" STOP BAR

REQ'D CONCRETE FLUME TO TIE TO EX. STORM INLET

REQ'D TIE TO EX. CURB TO BE FLUSH AND AT GRADE

REQ'D TIE TO EX. ASPHALT TO BE FLUSH AND AT GRADE

REQ'D TIE TO EX. CURB TO BE FLUSH AND AT GRADE

REQ'D TIE TO EX. ASPHALT TO BE FLUSH AND AT GRADE

REQ'D TRANSFORMER PAD (SEE E-DWGS FOR DETAILS)

REQ'D GATE AND SCREEN WALL (SEE A-DWGS FOR DETAILS)

REQ'D 6" STAND UP CURB (SEE DETAILS)

REQ'D HEAVY DUTY ASPHALT PAVEMENT (SEE DETAILS)

REQ'D TIE TO EX. CURB TO BE FLUSH AND AT GRADE

REQ'D TIE TO EX. BACK OF CURB TO BE FLUSH AND AT GRADE (SEE DETAILS)

REQ'D (11) 6" CONCRETE RISERS WITH HANDRAILS AND LANDINGS

REQ'D 1.5" MILL AND OVERLAY EX. PAVEMENT

REQ'D 6" STAND UP CURB AND TRANSITION FROM 6"-0" (SEE DETAILS)

REQ'D TIE TO EX. ASPHALT TO BE FLUSH AND AT GRADE

REQ'D HEAVY DUTY ASPHALT PAVEMENT (SEE DETAILS)

REQ'D TIE TO EX. CURB TO BE FLUSH AND AT GRADE

REQ'D RETAINING WALL (SEE S-DWGS)

REQ'D MECHANICAL UNIT (SEE M-DWGS)

REQ'D SCREEN WALL AND GATE (SEE A-DWGS)

REQ'D CONCRETE RAMP (SEE DETAILS)

REQ'D CONCRETE SIDEWALK (SEE DETAILS)

REQ'D SITE LIGHTING (TYP.) (SEE E-DWGS)

REQ'D CONCRETE MECHANICAL PADS (SEE M-DWGS)

REQ'D GATE AND SCREEN WALL (SEE A-DWGS)

REQ'D GATE (SEE A-DWGS FOR DETAILS)

REQ'D PEDESTRIAN GUARDRAIL (SEE DETAILS)

REQ'D CONCRETE SIDEWALK (SEE DETAILS)

REQ'D TIE TO EX. CONCRETE TO BE FLUSH AND AT GRADE

REQ'D RETAINING WALL (SEE S-DWGS)

EXISTING BASEMENT LEVEL FFE = 337.71 (EX.)

REQ'D SITE LIGHTING (TYP.) (SEE E-DWGS)

REQ'D CONCRETE SIDEWALK (SEE DETAILS)

REQ'D (11) 6" CONCRETE RISERS WITH HANDRAILS AND LANDINGS

REQ'D CONCRETE SIDEWALK (SEE DETAILS)

PROPOSED BUILDING ADDITION (SEE A-DWGS FOR DETAILS) MEZZANINE LEVEL FFE = 338.71 BASEMENT LEVEL FFE = 332.88

PROPOSED LOLLEY HALL RENOVATION (SEE A-DWGS FOR DETAILS)

MAIN LEVEL FFE = 348.88 (EX.)

PROPOSED BUILDING EXPANSION (SEE A-DWGS) FFE = 348.88 (EX.)

REQ'D TIE TO EX. CURB TO BE FLUSH AND AT GRADE

REQ'D TIE TO EX. ASPHALT TO BE FLUSH AND AT GRADE

REQ'D TIE TO EX. CURB TO BE FLUSH AND AT GRADE

REQ'D HEAVY DUTY CONCRETE PAVEMENT (SEE DETAILS)

REQ'D HEAVY DUTY ASPHALT PAVEMENT (SEE DETAILS)

REQ'D 6" STAND UP CURB (SEE DETAILS)

REQ'D TIE TO EX. CURB TO BE FLUSH AND AT GRADE

REQ'D TIE TO EX. ASPHALT TO BE FLUSH AND AT GRADE

REQ'D 15' CURB TRANSITION FROM 6"-0" (SEE DETAILS)

REQ'D 24" CURB AND GUTTER (SEE DETAILS)

REQ'D TIE TO EX. 24" CURB AND GUTTER TO BE FLUSH AND AT GRADE

REQ'D 15' CURB TRANSITION FROM 6"-0" (SEE DETAILS)

REQ'D ADA PARKING W/ SIGNAGE, STRIPING, AND WHEEL STOPS (SEE DETAILS)

REQ'D (12) 6" CONCRETE RISERS WITH HANDRAILS AND LANDINGS

REQ'D SITE LIGHTING (TYP.) (SEE E-DWGS)

REQ'D CONCRETE SIDEWALK (SEE DETAILS)

REQ'D MECHANICAL PAD AND UNIT (SEE M-DWGS)

REQ'D MECHANICAL UNITS (SEE M-DWGS)

REQ'D TIE TO EX. CONCRETE TO BE FLUSH AND AT GRADE

REQ'D TIE TO EX. CONCRETE TO BE FLUSH AND AT GRADE

REQ'D (4) 6" CONCRETE RISERS WITH HANDRAILS AND LANDINGS

REQ'D TIE TO EX. CONCRETE TO BE FLUSH AND AT GRADE

REQ'D (10) 6" CONCRETE RISERS WITH HANDRAILS AND LANDINGS (SEE DETAILS)

REQ'D TIE TO EX. CONCRETE TO BE FLUSH AND AT GRADE

REQ'D TIE TO EX. CONCRETE TO BE FLUSH AND AT GRADE

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ENTERPRISE, ALABAMA

ABCI Project #
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SITE LAYOUT PLAN

C-101

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11-06-2026

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Scale: 1" = 20'

LEGEND

- (335.50) EXISTING SPOT ELEVATION
- 335.40 PROPOSED SPOT ELEVATION
- 335 FINISHED GRADE CONTOUR LINE
- 334 EXISTING GRADE CONTOUR LINE (1' INTERVAL)

PROPOSED BUILDING ADDITION (SEE A-DWGS FOR DETAILS) MAIN LEVEL FFE = 332.88 BASEMENT LEVEL FFE = 332.88

PROPOSED LOLLEY HALL RENOVATION (SEE A-DWGS FOR DETAILS) MAIN LEVEL FFE = 348.88 (EX.)

PROPOSED BUILDING EXPANSION (SEE A-DWGS) FFE = 348.88 (EX.)

EXISTING BASEMENT LEVEL FFE = 337.71 (EX.)

TS:338.41 BS:332.91

TS:340.35 BS:334.85

TS:346.00 BS:341.00

TIW:338.00 BW:337.65

TIW:341.18 BW:332.68

TIW:338.95 BW:337.70

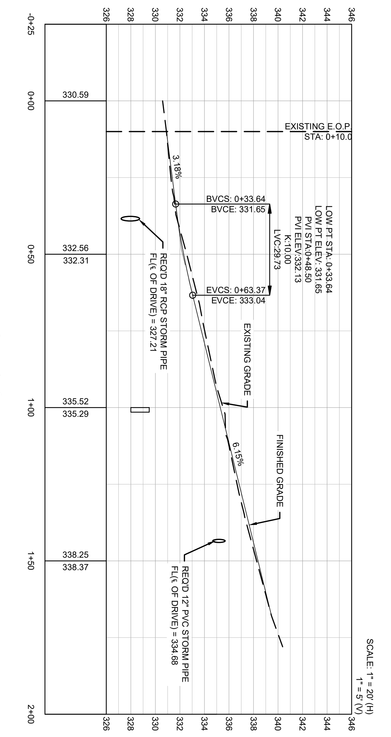
TIW:338.95 BW:337.60

TIW:348.86 BW:348.56

TIW:348.46 BW:345.56

TS:330.20 BS:330.00

Road Profile



SITE GRADING PLAN

C-201
sheet of 000

LOLLEY GYM RENOVATION
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MATCHLINE A
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8" DI WATER MAIN

20.00'
WATER MAIN EASEMENT

REQ'D 3" GATE VALVE

REQ'D 3" OCTAVE WATER METER IN CONCRETE VAULT WITH TRAFFIC RATED ALUMINUM LIDS

REQ'D 3" DOUBLE CHECK VALVE IN CONCRETE VAULT WITH TRAFFIC RATED ALUMINUM LIDS

REQ'D 6" DOUBLE CHECK/DETECTOR CHECK IN ABOVE GROUND HOT BOX

REQ'D 6"X8" TEE ON PROPOSED 8" WATER MAIN EXTENSION

REQ'D FIRE HYDRANT AND VALVE ASSEMBLY (SEE DETAILS)

REQ'D 6"X8" TEE ON PROPOSED 8" WATER MAIN EXTENSION

REQ'D 8" GATE VALVE

REQ'D CAP WATER MAIN PER ENTERPRISE WATER STD. & SPECS.

REQ'D 6" GATE VALVE

REQ'D 3"X6" TEE

REQ'D 3" CL. 200 PVC DOMESTIC WATER LINE

REQ'D 6" DIP FIRE LINE

EXISTING BASEMENT LEVEL FFE = 337.71 (EX.)

REQ'D DOMESTIC WATER AND FIRE BUILDING CONNECTION (SEE P-DWGS FOR CONNECTION DETAILS

PROPOSED BUILDING ADDITION (SEE A-DWGS FOR DETAILS) MEZZANINE LEVEL FFE = 338.71 BASEMENT LEVEL FFE = 332.88

REQ'D PRIVATE SANITARY SEWER LIFT STATION W/ SUBMERSIBLE PUMP AND CONTROL PANEL (SEE NOTES) TOP=332.90 IE(6" PVC IN)=328.50

REQ'D 29 LF 6" SDR26 PVC SANITARY SEWER LATERAL @ 1.00% MIN. SLOPE W/ CLEANOUTS EVERY 75' O.C.

REQ'D SANITARY SEWER LATERAL BUILDING CONNECTION IE(6" PVC)=330.35 (SEE P-DWGS FOR CONNECTION DETAILS)

REQ'D 200 LF 1-1/4" DR11 HDPE FORCE MAIN

REQ'D SANITARY SEWER LATERAL BUILDING CONNECTION IE(6" PVC)=345.15 (SEE P-DWGS FOR CONNECTION DETAILS)

REQ'D 89 LF 6" SDR26 PVC SANITARY SEWER LATERAL @ 1.00% MIN. SLOPE W/ CLEANOUTS EVERY 75' O.C.

PROPOSED LOLLEY HALL RENOVATION (SEE A-DWGS FOR DETAILS)

MAIN LEVEL FFE = 348.88 (EX.)

PROPOSED BUILDING EXPANSION (SEE A-DWGS) FFE = 348.88 (EX.)

REQ'D REMOVE AND REPLACE EX. SSMH RIM=348.12 IE(1-1/4" HDPE IN)=341.62 IE(6" PVC IN)=341.62 IE(6" PVC IN)=341.52 (EX.) IE(6" PVC OUT)=341.42 (EX.)

N

0 20' 40'

Scale: 1" = 20'

LEGEND

- W — WATER LINE (SIZE AND TYPE AS NOTED)
- FIRE — FIRE LINE (SIZE AND TYPE AS NOTED)
- SS — SANITARY SEWER GRAVITY LINE (SIZE AND TYPE AS NOTED)
- FM — SANITARY SEWER FORCE MAIN (SIZE AND TYPE AS NOTED)
- ○ PROPOSED PRIVATE SEWER LIFT STATION (BY OTHERS)

APPROXIMATE LOCATION OF EX. 12" CAST IRON WATER MAIN. CONTRACTOR TO FIELD VERIFY LOCATION, SIZE, AND DEPTH

REQ'D 8"X12" STAINLESS STEEL TAPPING SLEEVE & 8" GATE VALVE ON EX. 12" CAST IRON WATER MAIN PER ENTERPRISE WATER STDS. & SPECS. CONTRACTOR TO FIELD VERIFY LOCATION, SIZE, AND DEPTH OF EX. WATER MAIN

REQ'D PRESSURE TEST TO BE PERFORMED ON THE TAPPING VALVE AT 160 PSI FOR SIX (6) CONSECUTIVE HOURS. ENTERPRISE WATER SHALL BE CONTACTED TO BE PRESENT WHEN THE TEST IS STARTED AND AGAIN, PRESENT SHORTLY BEFORE THE TEST ENDS TO VERIFY RESULTS.

8" DI WATER MAIN

20.00'
WATER LINE EASEMENT

MATCHLINE A
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MATCHLINE A
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N

0 20' 40'

Scale: 1" = 20'

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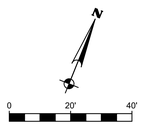
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GMC Project # ABHM250051

11-06-2026

SITE UTILITY PLAN

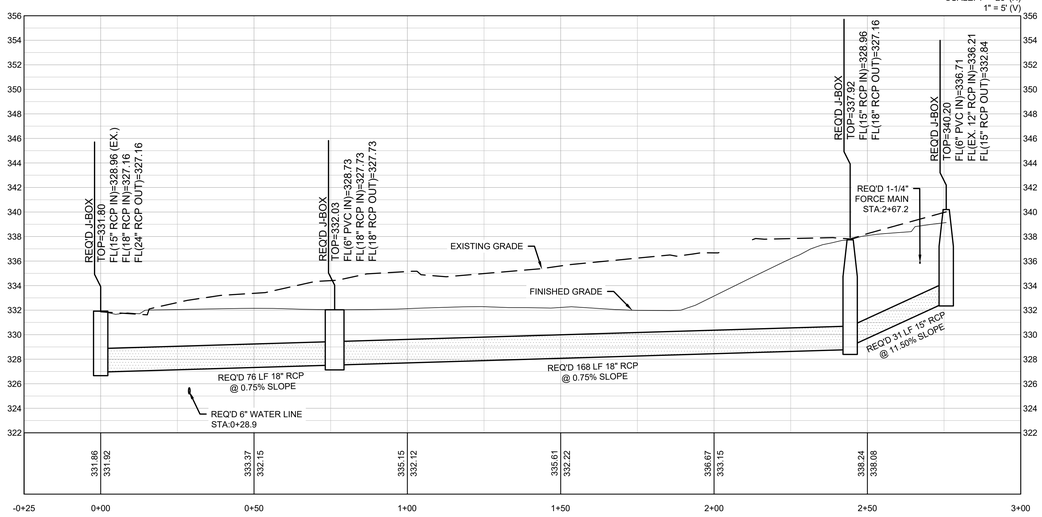
C-301
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DRAWING FILE: C:\Users\hgilbert\DOCACCDocs\GMCNetwork\ACSBHM260006 - ESCC Lolley Gym Renovation\Project Files\9 DWG\C-301 Site Utility Plan.dwg
PLOTTED: Nov 04, 2026 - 9:28am

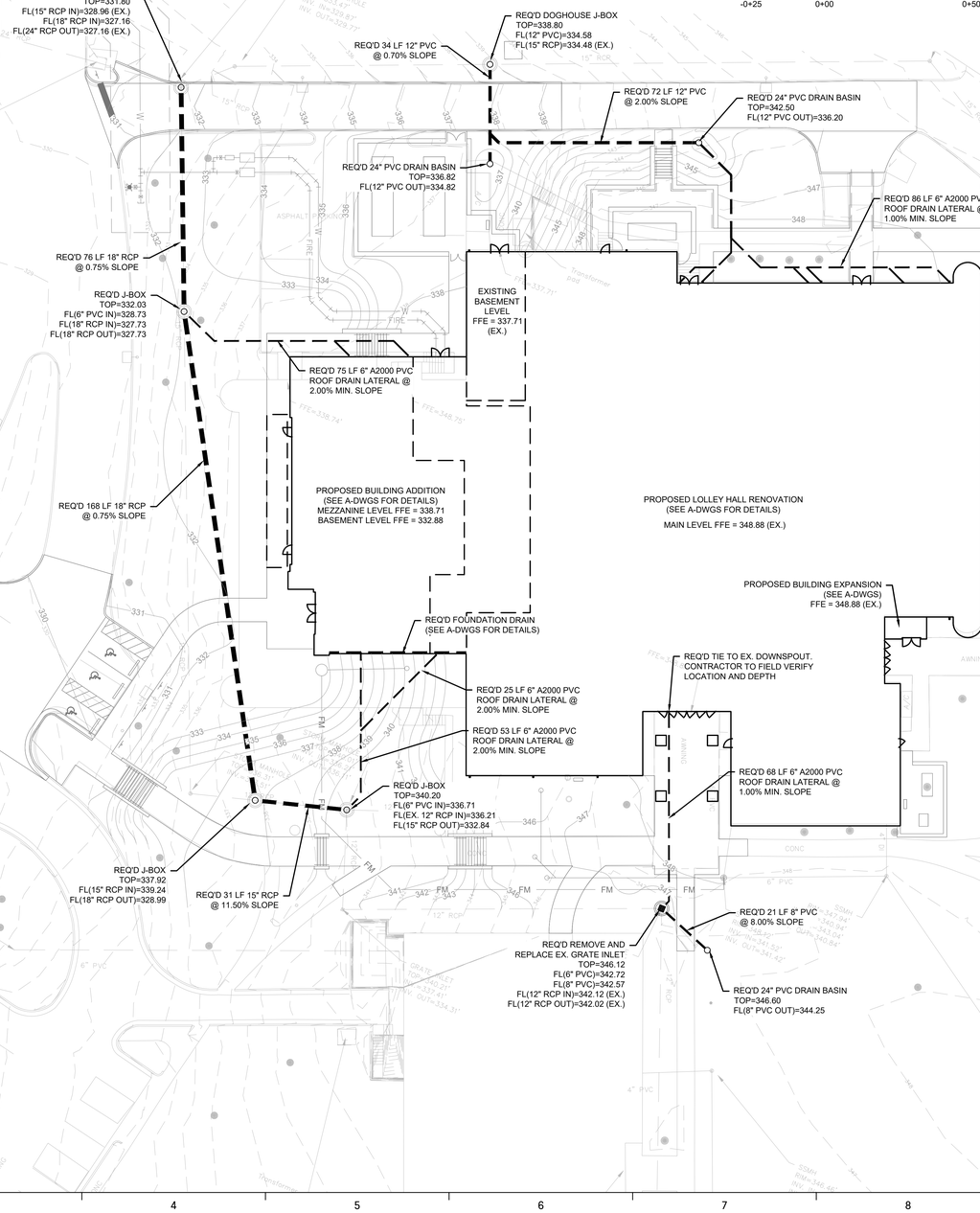


LEGEND

- STORM DRAINAGE PIPES (TYPE AND SIZE AS NOTED)
- DRAIN BASIN
- JUNCTION BOX



Storm Line A



GMC

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DRAINAGE PLAN

C-304
sheet 000

DRAWING FILE C:\Users\tjohan\DOCACCDocs\GMCNetwork\CBHM250008 - ESCC Lolley Gym Renovation\Project Files\3 DWG\C-304 Site Drainage Plan.dwg
PLOTTED: Nov 04, 2025 - 10:58am

EROSION AND SEDIMENTATION CONTROL LEGEND

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
SOD	Sodding
TS	Temporary Seeding
TP	Tree Planting on Disturbed Areas
CFM	Cotton Fiber Matrix Hydroseeding

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
PFL	Anionic Polyacrylamide Storm Water Floculant Log
PFP	Anionic Polyacrylamide Storm Water Floculant Powder

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

Storm water Management

PP	Porous Pavement
SDB	Storm Water Detention Basin
TRE	Temporary Inlet Riser Extension

Stream Protection

BZ	Buffer Zone
CS	Channel Stabilization
SP	Stream bank Protection
TSC	Temporary Stream Crossing
BG	Baffle Grid

Site Preparation

CEP	Construction Exit Pad
LG	Land Grading
TSG	Top Soiling
TPF	Tree Protection Fencing

MATCHLINE A
SEE THIS SHEET

MATCHLINE A
SEE THIS SHEET

PROPOSED BUILDING ADDITION
(SEE A-DWGS FOR DETAILS)
MEZZANINE LEVEL FFE = 338.71
BASEMENT LEVEL FFE = 332.88

EXISTING BASEMENT LEVEL FFE = 337.71 (EX.)

PROPOSED LOLLEY HALL RENOVATION
(SEE A-DWGS FOR DETAILS)
MAIN LEVEL FFE = 348.88 (EX.)

PROPOSED BUILDING EXPANSION
(SEE A-DWGS)
FFE = 348.88 (EX.)

GEORGE WALLACE DRIVE
50' ft.o.w.

CAMPUS DRIVE

ASPHALT PARKING

CONC.

AWNING

CANOPY

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 UPSLOPE 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 CONSTRUCTED AND 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 BMPS SHALL REMAIN IN PLACE IN ACCORDANCE WITH THE BMP PLAN UNTIL THE GRADED SLOPE OR FILL IS STABILIZED.
3. 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 .75 INCH WITHIN A 24 HOUR PERIOD. DURING PROLONGED RAINFALLS, DAILY CHECKING AND, IF NECESSARY, REPAIRING SHALL BE DONE. THE PERMITTEE SHALL MAINTAIN WRITTEN RECORDS OF SUCH CHECKS AND REPAIRS, WHICH RECORDS SHALL BE SUBJECT TO THE INSPECTION OF THE OFFICIAL AT ANY REASONABLE TIME.
4. CONTROL MEASURES SHALL BE MAINTAINED AS AN EFFECTIVE BARRIER TO SEDIMENTATION AND EROSION IN ACCORDANCE WITH THE PROVISIONS OF THIS ORDINANCE.
5. 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 2022 ed.) BY THE ALABAMA SOIL AND WATER CONSERVATION COMMITTEE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND FAMILIARIZING HIMSELF WITH THE HANDBOOK AND THE STANDARDS AND MATERIALS CONTAINED THEREIN. THE HANDBOOK MAY BE PURCHASED FROM THE ALABAMA CHAPTER OF THE SOIL AND WATER CONSERVATION SOCIETY.
6. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED ACCORDING TO ALL ADEM AND EPA BEST MANAGEMENT PRACTICES AND THE NPDES PERMIT ASSOCIATED WITH THIS SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR, REPLACEMENT, AND/OR SUPPLEMENTATION OF ANY CONTROL MEASURES THAT ARE NOT FUNCTIONING PROPERLY. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHOWN ON THE PLANS SHALL BE CONSIDERED A MINIMUM.

NOTES :

1. ALL LANDSCAPING AREAS SHALL BE AS PER THE LANDSCAPE DRAWING.
2. ALL BEST MANAGEMENT PRACTICES SHOWN SHALL BE CONSIDERED A MINIMUM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING THE BMP'S ACCORDING TO ALL ADEM/EPA STANDARDS & SPECIFICATIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING, REPAIRING AND SUPPLEMENTING THE BMP'S SHOWN IN ORDER TO COMPLY W/THE NPDES PERMIT FOR THIS SITE.
4. THE CONTRACTOR SHALL MAINTAIN ALL BMP'S UNTIL AN ACCEPTABLE STAND OF GRASS HAS BEEN ACHIEVED AND A NOTICE OF TERMINATION HAS BEEN FILED W/ADEM
5. THE USE OF A PARTICULAR INLET PROTECTION METHOD SHALL BE APPROPRIATE FOR THE PHASE OF CONSTRUCTION.

LEGEND

- EROSION CONTROL BLANKET
- CLASS-A WIRE REINFORCED SILTFENCE
- INLET PROTECTION
- FILTER SACK

N

0 20' 40'

Scale: 1" = 20'

MATCHLINE A
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MATCHLINE A
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GMC
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Birmingham, AL 35233
T 205.879.4462
GMCNETWORK.COM

ISSUE	DATE
ISSUE FOR BID	2026.11.06

DRAWN BY:
CHECKED BY:

LOLLEY GYM RENOVATION
ENTERPRISE STATE COMMUNITY COLLEGE
ENTERPRISE, ALABAMA

ABCI Project #
GMC Project # ABHM250051

ALABAMA BOARD OF REGISTRATION FOR ENGINEERING AND LAND SURVEYING
No. 38073
PROFESSIONAL ENGINEER
CODY ASHTON

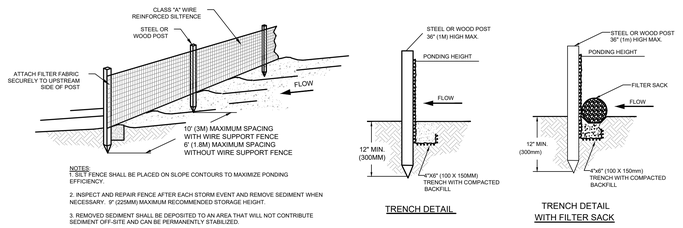
11-06-2026

EROSION AND SEDIMENTATION CONTROL PLAN

C-601

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DRAWING FILE C:\Users\ashton\DOCACCDocs\GMCNetwork\CB#M050008 - ESCC Lolley Gym Renovation\Project Files\9 DWG\C-601 Erosion Control Plan.dwg
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NOTES
1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

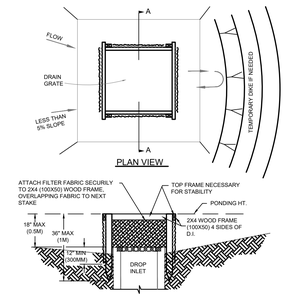
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225MM) MAXIMUM RECOMMENDED STORAGE HEIGHT.

3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

TRENCH DETAIL

TRENCH DETAIL WITH FILTER SACK

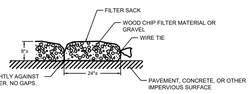
SILT FENCE DETAIL
N.T.S.



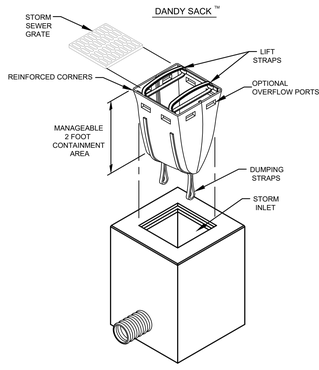
PLAN VIEW

NOTES
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%)
2. USE 2"X4" (100X50MM) WOOD OR EQUIVALENT METAL STAKES, 3' (1M) MINIMUM LENGTH.
3. INSTALL 2"X4" (100X50MM) WOOD TOP FRAME TO INSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY- PASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

FABRIC DROP INLET SEDIMENT BARRIER
N.T.S.



FILTER SACK DETAIL
N.T.S.



DANDY SACK INLET PROTECTION
N.T.S.

DANDY SACK™ SPECIFICATIONS

NOTE: THE DANDY SACK™ WILL BE **MANUFACTURED IN THE U.S.A.** FROM A WOVEN MONOFILAMENT FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:

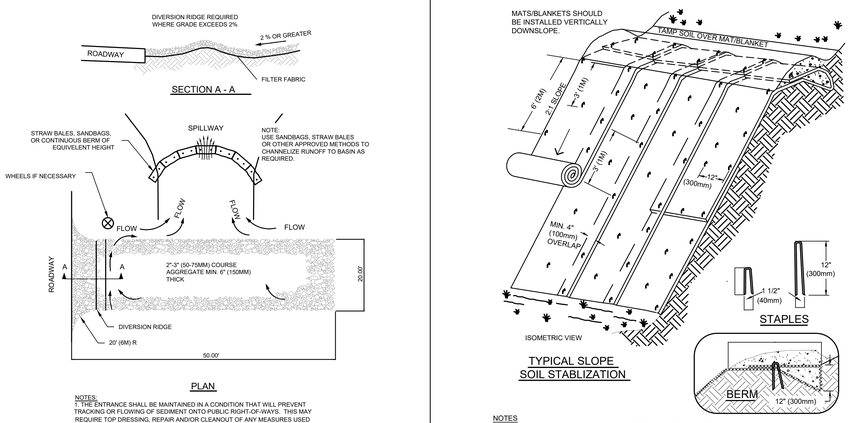
REGULAR FLOW DANDY SACK™ (BLACK)

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.78 (400) x 1.40 (315)
Grab Tensile Elongation	ASTM D 4632	%	15 x 15
Puncture Strength	ASTM D 4833	kN (lbs)	0.67 (150)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	5506 (800)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.67 (150) x 0.73 (165)
UV Resistence	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	$1/min/m^2$ ($gal/min/ft^2$)	2852 (70)
Permittivity	ASTM D 4491	Sec^{-1}	0.90

HI-FLOW DANDY SACK™ (SAFETY ORANGE)

Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (365) X 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 X 10
Puncture Strength	ASTM D 4833	kN (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.51 (115) X 0.33 (75)
UV Resistence	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	$1/min/m^2$ ($gal/min/ft^2$)	5907 (145)
Permittivity	ASTM D 4491	Sec^{-1}	2.1

*Note: All Dandy Sacks™ can be ordered with our optional oil absorbent pillows



TYPICAL SLOPE SOIL STABLIZATION

NOTES
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/ BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
4. BLANKETS SHALL BE NORTH AMERICAN GREEN PRODUCT NO. SC150 OR APPROVED EQUAL

EROSION BLANKETS & TURF REINFORCEMENT MATS SLOPE INSTALLATION
N.T.S.



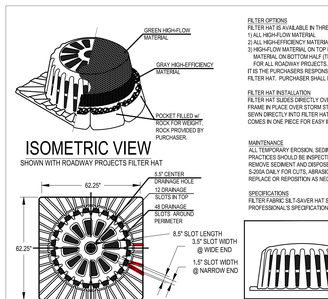
PLAN

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 DRESSING, REPAIR AND/OR 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.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT DETAIL
N.T.S.



ISOMETRIC VIEW
SHOWN WITH ROADWAY PROJECTS FILTER HAT

PLAN VIEW

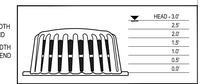
ELEVATION VIEW

FILTER OPTIONS
FILTER HAT IS AVAILABLE IN THREE OPTIONS:
1) ALL HIGH-FLOW MATERIAL
2) ALL HIGH-EFFICIENCY MATERIAL
3) HIGH-FLOW MATERIAL ON TOP HALF OF HAT, HIGH-EFFICIENCY MATERIAL ON BOTTOM HALF (THIS FILTER COVER IS RECOMMENDED FOR ALL ROADWAY PROJECTS.)
IT IS THE PURCHASERS RESPONSIBILITY TO PURCHASE APPROPRIATE FILTER HAT. PURCHASER SHALL PROVIDE ROCK FOR FILTER POCKETS.

FILTER HAT INSTALLATION
FILTER HAT SLIDES DIRECTLY OVER FILTER FRAME. TO KEEP FILTER FRAME IN PLACE OVER STORM STRUCTURE, ROCK POCKETS ARE SEWN DIRECTLY INTO FILTER HAT MATERIAL. EVERY FILTER HAT COMES IN ONE PIECE FOR EASY INSTALLATION.

MAINTENANCE
ALL TEMPORARY EROSION, SEDIMENTATION, & POLLUTION CONTROL PRACTICES SHOULD BE INSPECTED DAILY. CONTRACTOR SHALL REMOVE SEDIMENT AND DISPOSE OF IN A PROPER MANNER. INSPECT S-200A DAILY FOR CUTS, ABRASIONS, AND PROPER INSTALLATION. REPLACE OR REPOSITION AS NECESSARY.

SPECIFICATIONS
FILTER FABRIC SILT-SAVER HAT SHALL BE BASED ON DESIGN PROFESSIONAL'S SPECIFICATIONS.



FRAME & FILTER DISCHARGE ANALYSIS

HEAD (FT)	EQUATION USED	OPENING AREA (SF)	FLOW (CFS)	FRAME ONLY AREA (SF)	FILTER ONLY AREA (SF)	FILTERED FLOW (CFS)
0.5	O	2.1	7	6	2	
1.0	O	3.9	19	12	3	
1.5	O	7.0	41	18	5	
2.0	O	8.0	54	24	7	
2.5	O	9.2	70	30	9	
3.0	O	9.2	77	—	77	

DUE TO NARROW SLOT, A TRANSITION WILL OCCUR BETWEEN WEIR AND ORIFICE CONDITIONS. ORIFICE FLOW WILL PROVIDE A MORE CONSERVATIVE ESTIMATE OF FLOW. THEREFORE THE LESSER OF THE ORIFICE AND WEIR FLOWS WILL BE USED FOR EACH STAGE CALCULATION.

FILTER MATERIAL ALLOWS 129 gpm/SF OR 0.29cfs/SF
ORIFICE EQUATION (O) = Q=0.6A(2gh)^0.5
P = FEET PERIMETER
h = HEAD IN FEET
Q = CAPACITY IN cfs
A = FREE OPEN AREA OF FRAME
g = 32.2 FEET-PER-SECOND/SECOND

REPLACEMENT FILTERS: MODEL # S-240

SILT-SAVER

SQUARE FRAME & FILTER ASSEMBLY
Model # S-200A

FRAME MATERIAL:	BLACK 0.25" HMWPE
FILTER FABRIC MATERIAL:	REFER TO SPEC
SCALE:	NOT TO SCALE
LAST UPDATED:	APRIL 2010

SILT-SAVER, INC. 1094 CULPEPPER DRIVE, CONYERS, GA 30094 PHONE: (770) 388-7818 FAX: (770) 388-7640 TOLL FREE: 1-888-382-SILT (7458) www.siltsaver.com

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ISSUE | DATE
ISSUE FOR BID | 2026.11.06

DRAWN BY:
CHECKED BY:

LOLLEY GYM RENOVATION
ENTERPRISE STATE COMMUNITY COLLEGE
ENTERPRISE, ALABAMA

ABCI Project #
GMC Project # ABHM250051

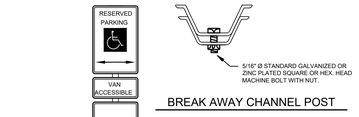


EROSION CONTROL DETAILS

C-901

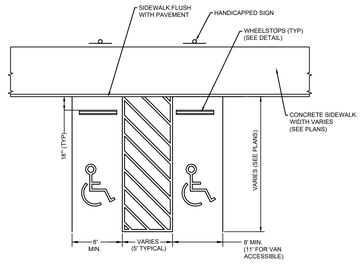
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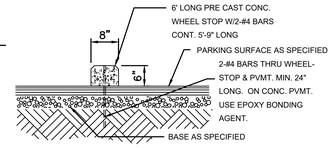
BREAK AWAY CHANNEL POST

PAINTED SYMBOL DETAIL



NOTE:
SEE SPECS FOR PAINT COLOR AND MATERIAL REQUIREMENTS.

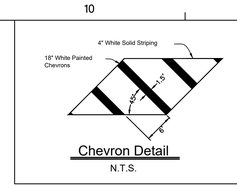
PLAN VIEW W/ FLUSH ASPHALT/SIDEWALK



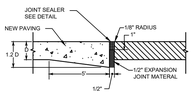
WHEEL STOP DETAIL
N.T.S.

ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES",LOCAL CODES AND AS SPECIFIED. MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

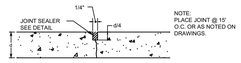
SITE SIGN BASE & ADA SIGNAGE DETAILS
N.T.S.



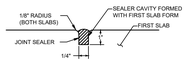
Chevron Detail
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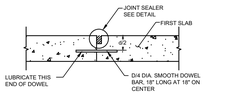
CONCRETE/ASPHALT INTERFACE DETAIL
N.T.S.



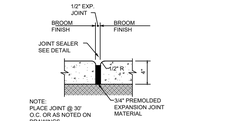
SAWED CONTROL JOINT
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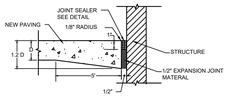
JOINT SEALER DETAIL



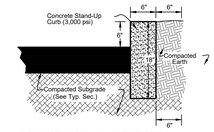
LONGITUDINAL CONSTRUCTION JOINT (AND AT END OF A DAY'S WORK)
N.T.S.



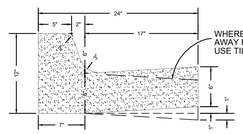
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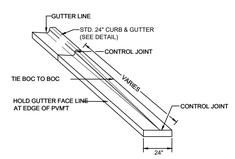
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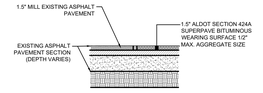
STAND-UP CURB DETAIL
NTS



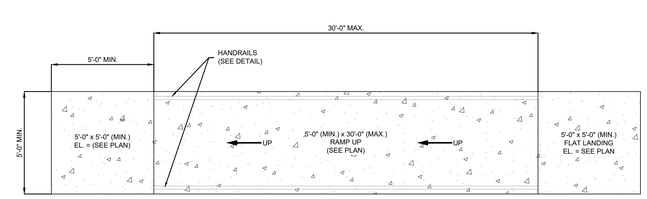
STANDARD 24" CURB & GUTTER DETAIL
N.T.S.



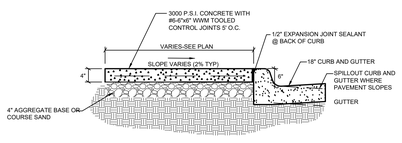
24" CURB TRANSITION DETAIL
N.T.S.



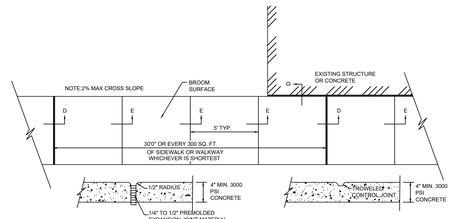
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N.T.S.



TYPICAL ADA RAMP
N.T.S.



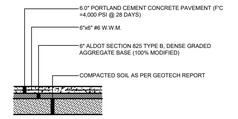
SIDEWALK DETAIL
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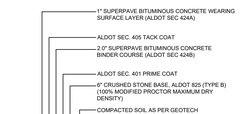
SECTION D
EXPANSION JOINT

SECTION E
CONTRACTION CONTROL JOINT

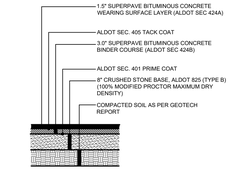
CONC. WALK DETAIL
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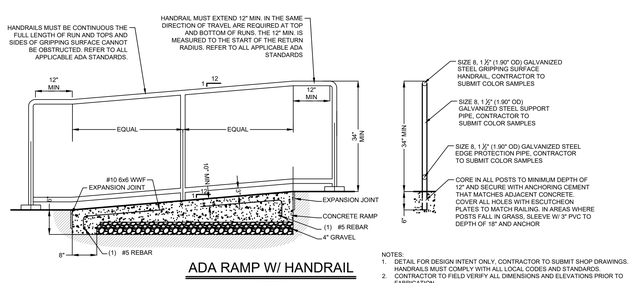
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N.T.S.



TYPICAL SECTION STANDARD DUTY ASPHALT PAVEMENT
N.T.S.

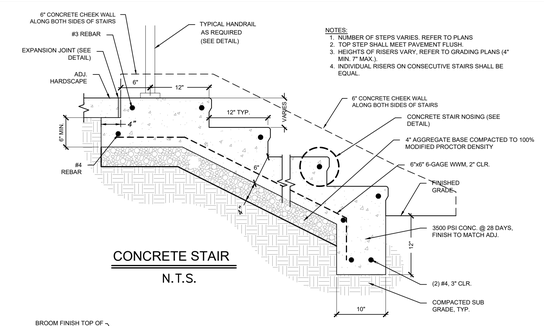


TYPICAL SECTION HEAVY DUTY ASPHALT PAVEMENT
N.T.S.



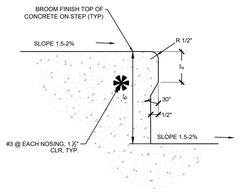
ADA RAMP W/ HANDRAIL
N.T.S.

NOTES:
1. DETAIL FOR DESIGN INTENT ONLY, CONTRACTOR TO SUBMIT SHOP DRAWINGS. HANDRAILS MUST COMPLY WITH ALL LOCAL CODES AND STANDARDS.
2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION.
3. HANDRAIL RUNS NOT TO EXCEED 6' HORIZONTALLY WITHOUT A POST. PROVIDE POSTS EQUALLY SPACED IN LONGER RAILING RUNS WHERE NEEDED.

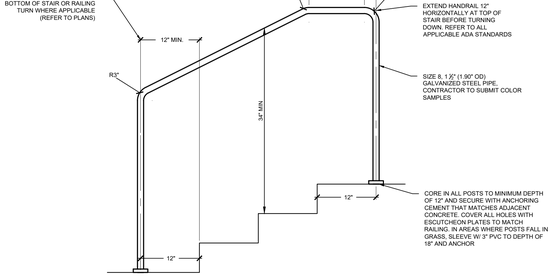


NOTES:
1. NUMBER OF STEPS VARIES. REFER TO PLANS
2. TOP STEP SHALL MEET PAVEMENT FLUSH.
3. HEIGHTS OF RISERS VARY, REFER TO GRADING PLANS (4" MIN. 7" MAX.)
4. INDIVIDUAL RISERS ON CONSECUTIVE STAIRS SHALL BE EQUAL.

CONCRETE STAIR
N.T.S.



STAIR NOSING ENLARGEMENT
N.T.S.



NOTES:
1. DETAIL FOR DESIGN INTENT ONLY, CONTRACTOR TO SUBMIT SHOP DRAWINGS. HANDRAILS MUST COMPLY WITH ALL LOCAL CODES AND STANDARDS.
2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO FABRICATION.
3. HANDRAIL RUNS NOT TO EXCEED 6' HORIZONTALLY WITHOUT A POST. PROVIDE POSTS EQUALLY SPACED IN LONGER RAILING RUNS WHERE NEEDED.

FREE STANDING HAND RAIL
N.T.S.

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ISSUE DATE
ISSUE FOR BID 2026.11.06

DRAWN BY:
CHECKED BY:

LOLLEY GYM RENOVATION
ENTERPRISE STATE COMMUNITY COLLEGE
ENTERPRISE, ALABAMA

ABCI Project #
GMC Project # ABHM250051

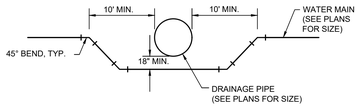


11-06-2026

SITE DETAILS

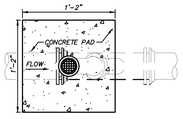
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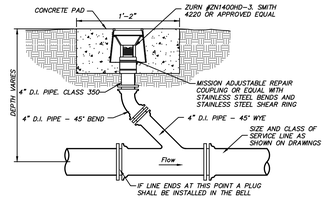
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PLOTTED: Nov 04 2026 - 2:25pm



CONFLICT DETAIL

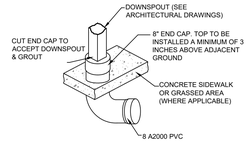
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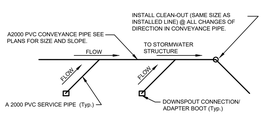
TYPICAL GRAVITY SEWER CLEANOUT

N.T.S.



DOWNSPOUT CONNECTION DETAIL

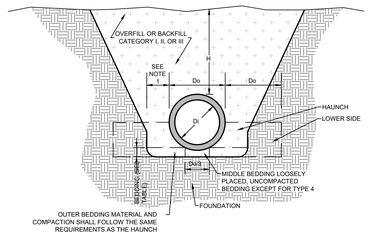
N.T.S.



NOTE: ALL UNDERGROUND ROOF DRAIN CONVEYANCE PIPING TO BE A2000 PVC (SDR 35) AND SLOPED AT 0.50% MIN. WITH A MINIMUM DEPTH OF 24". ALL SERVICE CONNECTIONS BETWEEN ROOF DOWNSPOUT AND CONVEYANCE PIPE TO BE A2000 PVC (SDR 35). (SEE ARCHITECTURAL DRAWINGS FOR ROOF DRAIN LOCATIONS.)

ROOF DRAIN STORMWATER CONVEYANCE DETAIL

N.T.S.



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, GW, GP OR ANY SOIL BEGINNING WITH ONE OF THOSE SYMBOLS WITH 12% OR LESS PASSING A #200 SIEVE	A-1, A-3	100 95 90 85	95 90 85 80
CATEGORY II	COURSE GRAINED SOILS WITH FINES: GM, 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-2-4, A-2-5, A-2-6; OR A-4 OR A-6 SOILS WITH 30% OR MORE RETAINED ON A #200 SIEVE	100 95 90 85	95 90 85 80
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 WITH LESS THAN 30 % RETAINED ON A #200 SIEVE	100 95 90 85	90 85 80 75
CATEGORY IV BUT NOT ALLOWED FOR HAUNCH OR BEDDING	MH, CH, OL, OH, PT	A-5, A-7	100 95 90	90 85 80

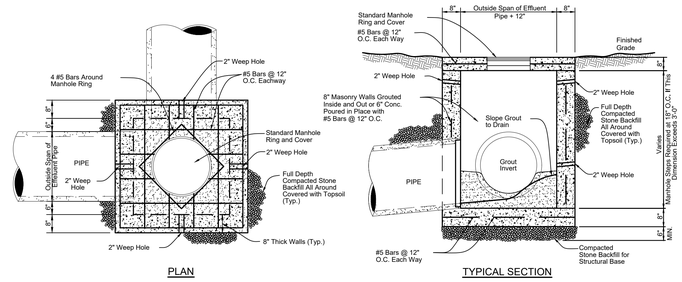
NOTES:

1. CLEARANCE BETWEEN PIPE AND TRENCH WALL SHALL BE EQUAL TO Do/8 OR 12" MINIMUM.
2. COMPACTION AND SOIL SYMBOLS, IE 95% 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. "DUMPED" MATERIAL WITHOUT ADDITIONAL COMPACTIVE 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/HERSELF 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.

SOIL AND MINIMUM COMPACTION REQUIREMENTS

INSTALLATION TYPE	BEDDING THICKNESS	HAUNCH AND OUTER BEDDING	LOWER SIDE
TYPE 1	Do/24 MINIMUM; NOT LESS THAN 3 IN. IF ROCK FOUNDATION, USE Do/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	Do/24 MINIMUM; NOT LESS THAN 3 IN. IF ROCK FOUNDATION, USE Do/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	Do/24 MINIMUM; NOT LESS THAN 3 IN. IF ROCK FOUNDATION, USE Do/12 MINIMUM; NOT LESS THAN 6 IN.	85% CATEGORY I, 90% CATEGORY II OR 95% CATEGORY III	UNDISTURBED NATURAL SOIL WITH FIRMNESS EQUIVALENT TO THE FOLLOWING PLACED SOILS: 85% CATEGORY 1, 90% CATEGORY II, OR 95% CATEGORY III, OR EMBANKMENT TO THE SAME REQUIREMENTS.
TYPE 4	NO BEDDING REQUIRED, EXCEPT IF ROCK FOUNDATION, USE Do/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.

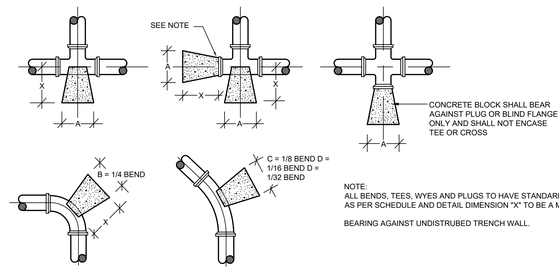
PIPE BEDDING DETAIL



PLAN TYPICAL SECTION

STANDARD JUNCTION BOX DETAIL

N.T.S



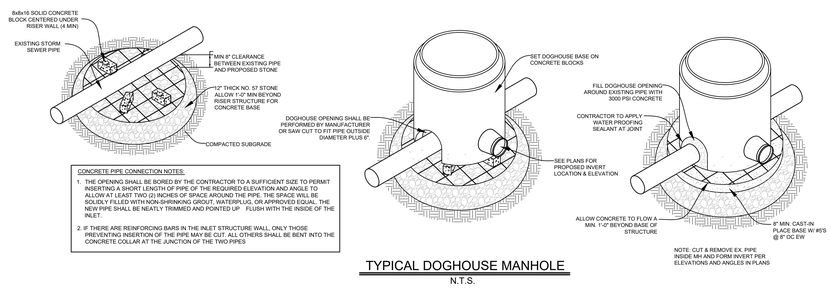
NOTE:
ALL BENDS, TEES, WYES AND PLUGS TO HAVE STANDARD BLOCKING AS PER SCHEDULE AND DETAIL DIMENSION "X" TO BE A MINIMUM ON

BEARING AGAINST UNDISTRUBED TRENCH WALL.

PIPE SIZE	A PLUGS & TEES	B 90 BENDS	C 45 BENDS	D 1/8 & 1/16 BENDS	DEPTH OF BLOCK
6" & 8"	2' - 5"	2' - 10"	2' - 3"	2' - 5"	1' - 6"

THRUST BLOCK SCHEDULE

N.T.S.



CONCRETE PIPE CONNECTION NOTES:

1. THE OPENING SHALL BE BORED BY THE CONTRACTOR TO A SUFFICIENT SIZE TO PERMIT INSERTING A SHORT LENGTH OF PIPE OF THE REQUIRED ELEVATION AND ANGLE TO ALLOW AT LEAST TWO (2) INCHES OF SPACE AROUND THE PIPE. THE SPACE WILL BE SOLIDLY FILLED WITH NON-SHRINKING GROUT, WATERPLUG, OR APPROVED EQUAL. THE NEW PIPE SHALL BE NEATLY TRIMMED AND POINTED UP FLUSH WITH THE INSIDE OF THE INLET.
2. IF THERE ARE REINFORCING BARS IN THE INLET STRUCTURE WALL, ONLY THOSE PREVENTING INSERTION OF THE PIPE MAY BE CUT. ALL OTHERS SHALL BE BENT INTO THE CONCRETE COLLAR AT THE JUNCTION OF THE TWO PIPES

TYPICAL DOGHOUSE MANHOLE

N.T.S.

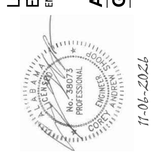
GMC
2400 5th Avenue S, Suite 200
Birmingham, AL 35233
T 205.879.4462
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ISSUE DATE
ISSUE FOR BID 2026.11.06

DRAWN BY:
CHECKED BY:

LOLLEY GYM RENOVATION
ENTERPRISE STATE COMMUNITY COLLEGE
ENTERPRISE, ALABAMA

ABCI Project #
GMC Project # ABHM250051



DRAINAGE AND UTILITY DETAILS

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PLOTTED: Nov 04, 2026 - 10:52am



PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME
TREES		
	CAR FST	CARPINUS BETULUS 'FASTIGIATA' UPRIGHT EUROPEAN HORNBEAM
	ILE DTN	ILEX X 'RUTHOL 1' EMERALD COLONNADE® HOLLY
	QOU NUT	QUERCUS NUTTALLII NUTTALL OAK
SHRUBS		
	DIS LTG	DISTYLIUM 'PIIDIST-5' CINNAMON GIRL DISTYLIUM
	HYD LIM	HYDRANGEA PANICULATA 'LIMELIGHT' LIMELIGHT PANICLE HYDRANGEA
	AZA NPD	RHODODENDRON X 'PRIDE OF MOBILE' PRIDE OF MOBILE SOUTHERN INDICA AZALEA
	RHO BTT	RHODODENDRON X 'ROBLED' AUTUMN CHIFFON® ENCORE® AZALEA
SHRUB AREAS		
	MUH CAP	MUHLENBERGIA CAPILLARIS PINK MUHLY GRASS
	ROS RXR	ROSA X 'NOVAROSPOP' POPCORN DRIFT® GROUNDCOVER ROSE
GROUND COVERS		
	LIR SBL	LIRIOPE MUSCARI 'SUPER BLUE' SUPER BLUE LILYTURF
SOD/SEED		
	ZOY EME	ZOYSIA X 'EMERALD' EMERALD ZOYSIA

NORTH

0' 20' 40' 80'

SCALE: 1 IN = 20 FT

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2400 5th Avenue S, Suite 200
Birmingham, AL 35233
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ISSUE DATE
ISSUED FOR BID 2026.11.06

DRAWN BY: LMW
CHECKED BY: LMW

LOLLEY GYM RENOVATION
ENTERPRISE STATE COMMUNITY COLLEGE
ENTERPRISE, ALABAMA

ABCI Project #
GMC Project # ABHM250051

STATE OF ALABAMA
LORI LOUISE MURASKI
NUMBER 506
REGISTERED LANDSCAPE ARCHITECT

LANDSCAPE PLAN

L5.00
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PLOTTED: Nov 03, 2025 - 2:55pm

PLANT SCHEDULE

CODE	QTY	BOTANICAL NAME	COMMON NAME	CAL. / HT.	ROOTBALL	FORM		REMARKS
TREES								
CAR FST	3	CARPINUS BETULUS 'FASTIGIATA'	UPRIGHT EUROPEAN HORNBEAM	3.0" CAL.	B&B	STANDARD		
ILE DTN	5	ILEX X 'RUTHOL 1'	EMERALD COLONNADE® HOLLY	6'-8' HT	B&B	COLUMNAR, FULL-TO-GROUND		
QOU NUT	4	QUERCUS NUTTALLII	NUTTALL OAK	3.0" CAL.	B&B			
CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HT.		SPACING	REMARKS
SHRUBS								
DIS LTG	33	DISTYLIUM 'PIIDIST-5'	CINNAMON GIRL DISTYLIUM	3 GAL			48" o.c.	
HYD LIM	17	HYDRANGEA PANICULATA 'LIMELIGHT'	LIMELIGHT PANICLE HYDRANGEA	3 GAL			48" o.c.	LIME GREEN FLOWERS
AZA NPD	28	RHODODENDRON X 'PRIDE OF MOBILE'	PRIDE OF MOBILE SOUTHERN INDICA AZALEA	7 GAL			60" o.c.	PINK/LAVENDER FLOWERS
RHO BTT	28	RHODODENDRON X 'ROBLED'	AUTUMN CHIFFON® ENCORE® AZALEA	3 GAL			36" o.c.	BICOLOR PINK
SHRUB AREAS								
MUH CAP	58	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	1 GAL			36" o.c.	
ROS RXR	346	ROSA X 'NOVAROSPOP'	POPCORN DRIFT® GROUNDCOVER ROSE	1 GAL			18" o.c.	BUTTERY YELLOW FLOWERS
CODE	QTY	BOTANICAL NAME	COMMON NAME	TYPE			SPACING	REMARKS
GROUND COVERS								
LIR SBL	49	LIRIOPE MUSCARI 'SUPER BLUE'	SUPER BLUE LILYTURF	4" POT			18" o.c.	PURPLE FLOWERS
SOD/SEED								
ZOY EME	30,354 SF	ZOYSIA X 'EMERALD'	EMERALD ZOYSIA	SOD ROLLS				SOD ROLLS TO BE MIN. 2.5' WIDE

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.

PLANT INSTALLATION NOTES

1. PLANT NAMES MAY BE ABBREVIATED ON DRAWINGS. REFER TO PLANT SCHEDULE FOR ABBREVIATIONS, BOTANICAL & COMMON NAMES, SIZES, ESTIMATED QUANTITIES AND OTHER REMARKS.
2. 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.
3. CONTRACTOR SHALL GIVE THE LANDSCAPE ARCHITECT THE OPPORTUNITY TO TAG & REVIEW TREES IN THE NURSERY OR FIELD PRIOR TO DIGGING.
4. ALL PLANT/ROOTBALL SIZES & THE METHOD OF DETERMINING TREE CALIPER SHALL CONFORM TO THE RECOMMENDATIONS OF THE LATEST EDITION OF ANSI Z60.1 - AMERICAN STANDARD FOR NURSERY STOCK.
5. ANY & ALL PLANT SUBSTITUTIONS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PURCHASE & INSTALLATION.
6. THE LANDSCAPE ARCHITECT MAY REJECT ANY PLANT AT ANY TIME UNTIL THE END OF THE WARRANTY PERIOD. PLANTS THAT RECEIVED A PRIOR APPROVAL ARE NOT EXCLUDED FROM REJECTION AT A LATER DATE. GROUNDS FOR REJECTION INCLUDE BUT ARE NOT LIMITED TO:
   A. NON-CONFORMANCE WITH CRITERIA DESCRIBED IN PLANT SCHEDULE.
   B. THE PRESENCE, EVIDENCE, OR DAMAGE FROM DISEASE, INSECTS/PESTS, EGGS, & LARVAE.
   C. GIRDLED & KINKED ROOTS, CRACKED/BROKEN ROOT BALLS, MECHANICALLY DAMAGED ROOTS.
   D. BROKEN LIMBS, INCLUDED BARK, OR EVIDENCE OF MECHANICAL INJURY.
   E. PLANTS THAT ARE NOT FULL/DENSE, WELL BRANCHED, OR SYMMETRICAL UNLESS IT IS UNCHARACTERISTIC OF SPECIFIED SPECIES.
   F. PLANTS DETERMINED AT THE DISCRETION OF THE LANDSCAPE ARCHITECT TO BE AESTHETICALLY DEAD WHERE APPROXIMATELY 25% OR MORE OF THE PLANT IS SHOWING SIGNS OF DEATH/DIEBACK.
   G. SHIPMENT TO THE SITE IN UNCOVERED VEHICLES/TRAILERS REGARDLESS OF SEASON.
5. REMOVE FROM SITE ANY & ALL EXISTING VEGETATION INCLUDING STUMPS & ROOTS IN CONFLICT WITH PLANTING PLAN UNLESS EXPLICITLY DESIGNATED FOR PROTECTION.
6. LAYOUT ALL TREES & BED-LINES AS INDICATED IN THE LANDSCAPE DRAWINGS AND RECEIVE APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. LAYOUT SHALL BE DONE WITH HIGH VISIBILITY FLAGS AND/OR WOODEN STAKES & BED-LINES SHALL BE LAID OUT WITH MARKING PAINT. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE LAYOUT ADJUSTMENTS AS NECESSARY AT NO ADDITIONAL COST TO OWNER . NOTIFY LANDSCAPE ARCHITECT OF CONTEMPLATED ADJUSTMENTS TO THE LAYOUT & RECEIVE APPROVAL PRIOR TO COMMENCING WITH ADJUSTMENT.
7. DO NOT INSTALL PLANTS IN SATURATED OR FROZEN CONDITIONS. DO NOT INSTALL PLANTS DURING INCLEMENT WEATHER.
8. SET ALL PLANTS PLUMB & TURNED SO THAT THE MOST ATTRACTIVE SIDE IS MOST COMMONLY VIEWED. MAINTAIN IN PLUMB POSITION THROUGHOUT WARRANTY PERIOD.
9. 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/TURFGRASS AREAS SHALL BE MULCHED WITH AN 8 FT. DIAMETER MULCH RING UNLESS OTHERWISE NOTED ON PLANS.
10. CONTRACTOR TO PROVIDE INTERIM MAINTENANCE UNTIL SUBSTANTIAL COMPLETION NOTICE IS PROVIDED BY THE LANDSCAPE ARCHITECT. THIS INCLUDES:
   A. WATERING
   B. MOWING, TRIMMING, EDGING, BLOWING & WEEDING.
   C. FERTILIZING & APPLICATION OF NECESSARY INSECTICIDES/HERBICIDES
   D. GUYING TREES WHEN DIRECTED BY OWNER OR LANDSCAPE ARCHITECT.
   E. ADEQUATE DRAINAGE OF PONDING AREAS.
   F. GENERAL LANDSCAPE CLEAN-UP.

PLANTING SOIL & PREPARATION NOTES

1. CONTRACTOR SHALL CONDUCT & SUBMIT TO THE LANDSCAPE ARCHITECT AN ANALYSIS OF A MINIMUM OF (3) SAMPLES OF EXISTING SOIL FROM AREAS TO BE PLANTED . THE ANALYSIS SHALL BE DONE BY A SOIL TESTING LAB APPROVED BY THE LANDSCAPE ARCHITECT IN ADVANCE AND SHALL INCLUDE THE FOLLOWING RESULTS WITH RECOMMENDATIONS:
   A. S1A - ORGANIC MATTER, AVAILABLE PHOSPHORUS, EXCHANGEABLE POTASSIUM, MAGNESIUM, CALCIUM, SOIL pH, CATION EXCHANGE CAPACITY, PERCENT BASE SATURATION OF CATION ELEMENTS.
   B. S3 - SULFUR, ZINC, MANGANESE, IRON, COPPER, BORON
   C. TEXTURE ANALYSIS
2. TOPSOIL (& PLANTING SOIL WHEN DIFFERENT) SHALL BE PROVIDED MIXED AND READY FOR INSTALLATION. TOPSOIL SHALL MEET THE FOLLOWING CRITERIA & STRIPPED/STOCKPILED TOPSOIL MAY BE USED IF IT CAN REASOANBLY BE BROUGHT UP TO THESE CRITERIA.
   A. FERTILE, FRIABLE, NATURALLY OCCURRING, FREE OF TRASH, ROCKS/STONES, & DEBRIS LARGER THAN 2 INCHES IN ANY DIMENSION
   B. FREE OF ANY GRASSES, WEEDS, SEEDS, PLANTS, & ANY SUBSTANCE HARMFUL TO PLANT GROWTH.
   C. pH RANGE OF 5.0-7.0
   D. ORGANIC MATTER: 5-10%
   E. SAND: 50-70%, SILT: LESS THAN 30%, CLAY: 10-25%
   F. PERMEABILITY RATE OF 5X10 (-3) CENTIMETERS OR GREATER AT 85% COMPACTION.
3. CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE THE LOCATION OF STOCKPILE AREAS FOR STRIPPED TOPSOIL AND PLANTING SOIL PRODUCTS. CONTRACTOR SHALL ENSURE AREA IS PROTECTED FROM CONTAMINATION & DISTURBANCE
4. FINAL GRADES DEPICTED ON THE GRADING PLAN (REFER TO CIVIL DRAWINGS) ARE TO ACCOUNT FOR PLANTING SOIL DEPTHS INDICATED IN THE LANDSCAPE DRAWINGS/DETAILS. CONTRACTOR SHALL ENSURE SUBGRADE IS SCARIFIED PRIOR TO INSTALLING PLANTING SOIL.
5. FINAL FINISHED GRADING SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL TOPSOIL REQUIRED TO CREATE A SMOOTH CONDITION SUITABLE FOR PLANTING.
6. ALL TRASH, DEBRIS LARGER THAN 2 INCHES IN DIAMETER 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.
7. COORDINATE INSTALLATION OF TOPSOIL/PLANTING SOIL WITH OTHER WORK. PLACEMENT SHALL OCCUR AFTER INSTALLATION OF HARDSCAPE IMPROVEMENTS, IRRIGATION SYSTEMS, UTILITIES, ETC. AND BEFORE PLANT INSTALLATION.
8. PRIOR TO PLANT INSTALLATION, PLANT BEDS AND PITS SHALL BE TESTED FOR PERCOLATION BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER. TEST SHALL CONSIST OF 1 FT DIAMETER BY 1 FT DEEP MIN HOLE, OR THE PLANTING PIT, FILLED WITH WATER. IF WATER HAS NOT DISSIPATED BY 50% WITHIN 2 HOURS, NOTIFY THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO INSTALLATION. IN HARDPAN CONDITIONS, INSTALL DRAIN PIPES AS PER PLANTING DETAILS.

PRE-APPROVED NURSERIES & TREE TAGGING

THE CONTRACTOR IS TO SOURCE THE TREES SPECIFIED ON THESE DRAWINGS AT THE FOLLOWING NURSERIES OR PREAPPROVED 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) 348-6837

GREEN VALLEY TREE FARM
12975 COUNTY ROAD 17
MONTEVALLO, AL 35115
(205) 665-1355

PLANTATION TREE COMPANY
120 COUNTY ROAD 15 SOUTH
SELMA, AL 36703
1 (800) 848-5064

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) 554-6849

PRE-APPROVED SOD FARMS

THE CONTRACTOR IS TO SOURCE THE SOD SPECIFIED ON THESE DRAWINGS AT THE FOLLOWING TURF FARMS OR PREAPPROVED EQUAL TURF FARM. TURF FARMS OF EQUAL QUALITY SOD MUST BE APPROVED PRIOR TO BIDDING.

ALABAMA

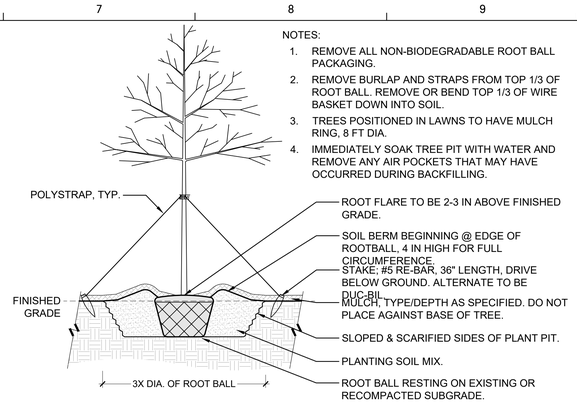
BECK'S TURF, INC.
2858 CO. ROAD 53
TUSKEGEE, AL. 36083
(844) 354-4626

SOUTH DALLAS TURF FARM, INC.
1690 KINGS BEND ROAD
SELMA, AL 36701
(334) 872-6644

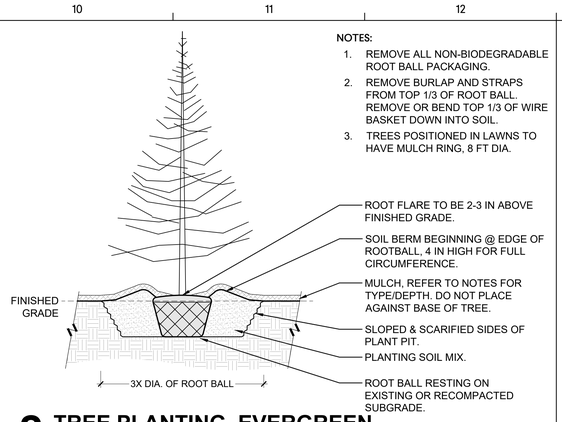
CRAFT TURF FARMS
105058 COUNTY ROAD 65
FOLEY, AL 36536
(251) 955-2000

GEORGIA

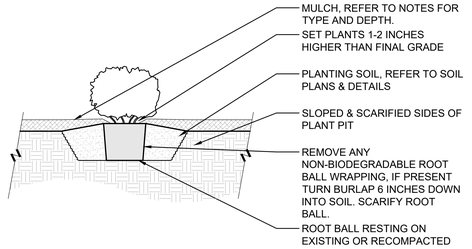
SOUTHEASTERN SOD
1400 BUFORD HWY.,
SUITE G6
SUGAR HILL, GA 30518
(678) 765-3009



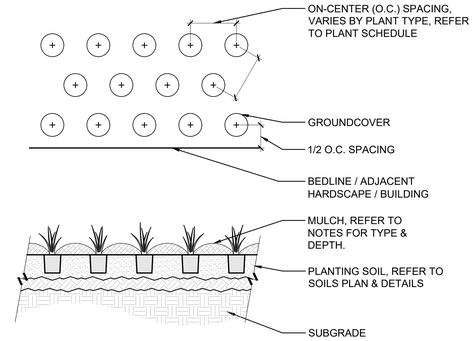
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NTS



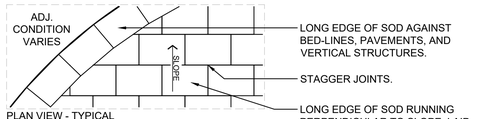
2 TREE PLANTING, EVERGREEN
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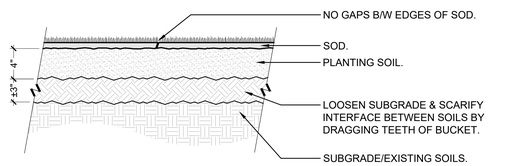
3 SHRUB PLANTING
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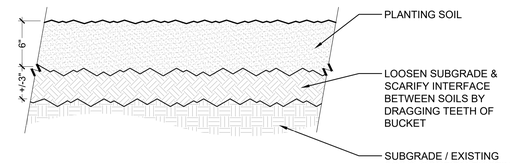
4 GROUNDCOVER & PERENNIAL PLANTING
NTS



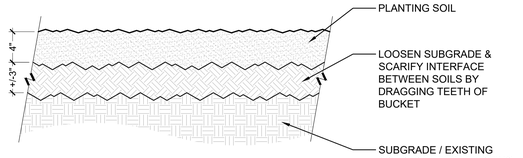
PLAN VIEW - TYPICAL CONDITIONS
N.T.S.



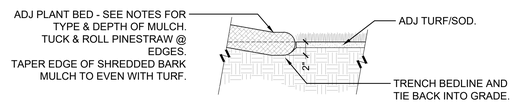
5 SOD INSTALLATION
NTS



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



7 SOD SOIL PREPARATION
NTS



8 BEDLINE, TYPICAL
NTS

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

ISSUE DATE
ISSUED FOR BID 2026.11.06

DRAWN BY: LMW
CHECKED BY: LMW

LOLLEY GYM RENOVATION
ENTERPRISE STATE COMMUNITY COLLEGE
ENTERPRISE, ALABAMA

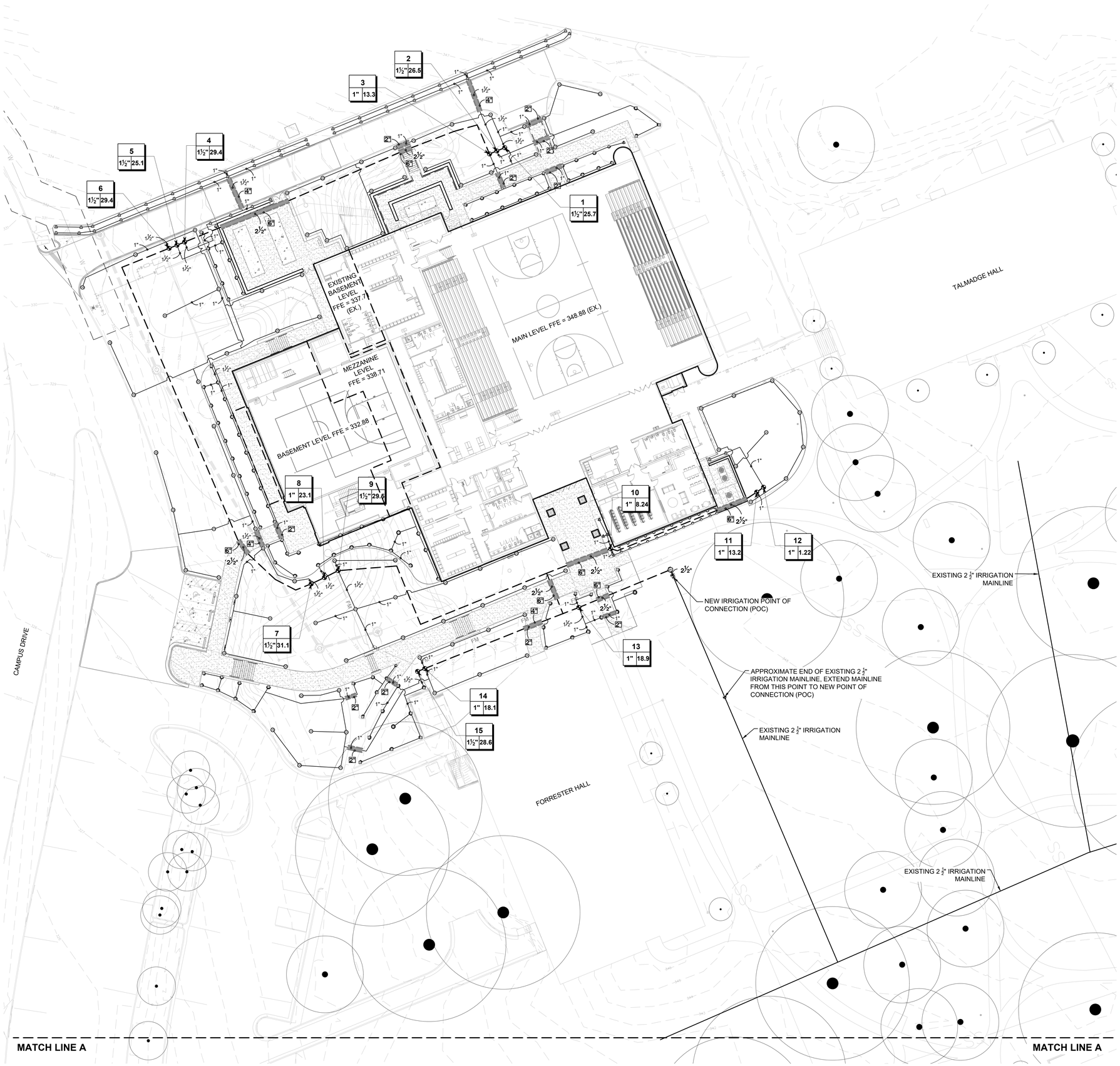
ABCI Project #
GMC Project # ABHM250051

STATE OF ALABAMA
LORI LOUISE MURASKI
NUMBER 506
REGISTERED LANDSCAPE ARCHITECT

PLANT SCHEDULE, NOTES, DETAILS

L6.00
Sheet of

DRAWING FILE: L:\Marketing\+PROJECT FOLDERS\2025\LMGM25001 Wallace-Lolley Renovations\03 Drawings - Specs\LA Primary\LMGM25001 - LANDSCAPE.dwg
PLOTTED: Nov 06, 2025 - 3:56pm - jhayden



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL
EST LCS RCS CST SST	RAIN BIRD 1804-SAM-PRS 15 Strip Series
Q T H F	RAIN BIRD 1804-SAM-PRS 8 Series MPR
Q T H F	RAIN BIRD 1804-SAM-PRS 10 Series MPR
Q T H TQ F	RAIN BIRD 1804-SAM-PRS 12 Series MPR
Q T H TQ F	RAIN BIRD 1804-SAM-PRS 15 Series MPR
EST LCS RCS CST SST	RAIN BIRD 1812-SAM-PRS 15 Strip Series
Q H F	RAIN BIRD 1812-SAM-PRS 5 Series MPR
Q T H F	RAIN BIRD 1812-SAM-PRS 8 Series MPR
Q T H F	RAIN BIRD 1812-SAM-PRS 10 Series MPR
Q T H TQ F	RAIN BIRD 1812-SAM-PRS 12 Series MPR
Q T H TQ F	RAIN BIRD 1812-SAM-PRS 15 Series MPR
SYMBOL	MANUFACTURER/MODEL
25	RAIN BIRD 5004-PC-SAM-MPR 25
30	RAIN BIRD 5004-PC-SAM-MPR 30
35	RAIN BIRD 5004-PC-SAM-MPR 35
SYMBOL	MANUFACTURER/MODEL
	RAIN BIRD PESB-IVM
MV	RAIN BIRD IVM-EFB-CP 2"
C	IRRIGATION CONTROLLER
POC	POINT OF CONNECTION 2 1/2"
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21
	IRRIGATION MAINLINE: PVC SCHEDULE 40
	PIPE SLEEVE: PVC SCHEDULE 40
	PIPE SLEEVE: PVC SCHEDULE 40

Valve Callout

- # — Valve Number
- #" / # — Valve Flow / Valve Size

NORTH

0' 20' 40' 80'

SCALE: 1 IN = 20 FT

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

ISSUE DATE
ISSUED FOR BID 2026.11.06

DRAWN BY: LMW
CHECKED BY: LMW

LOLLEY GYM RENOVATION
ENTERPRISE STATE COMMUNITY COLLEGE
ENTERPRISE, ALABAMA

ABCI Project #
GMC Project # ABHM250051

STATE OF ALABAMA
LORI LOUISE MURAWSKI
NUMBER 506
REGISTERED LANDSCAPE ARCHITECT

IRRIGATION PLAN

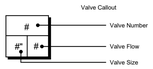
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PLOTTED: Nov 04, 2026 - 8:56am

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI		
EST LCS NCS CST SST	RAIN BIRD 1804-SAM-PRS 15 Strip Series TURF SPRAY 4.0IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE. PRESSURE REGULATING.	48	30		
Q T H F	RAIN BIRD 1804-SAM-PRS 8 Series MPR TURF SPRAY 4.0IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE. PRESSURE REGULATING.	2	30		
Q T H F	RAIN BIRD 1804-SAM-PRS 10 Series MPR TURF SPRAY 4.0IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE. PRESSURE REGULATING.	8	30		
Q T H TQ F	RAIN BIRD 1804-SAM-PRS 12 Series MPR TURF SPRAY 4.0IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE. PRESSURE REGULATING.	1	30		
Q T H TQ F	RAIN BIRD 1804-SAM-PRS 15 Series MPR TURF SPRAY 4.0IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE. PRESSURE REGULATING.	27	30		
EST LCS NCS CST SST	RAIN BIRD 1812-SAM-PRS 15 Strip Series SHRUB SPRAY 12IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	5	30		
Q H F	RAIN BIRD 1812-SAM-PRS 5 Series MPR SHRUB SPRAY 12IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	24	30		
Q T H F	RAIN BIRD 1812-SAM-PRS 8 Series MPR SHRUB SPRAY 12IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	1	30		
Q T H F	RAIN BIRD 1812-SAM-PRS 10 Series MPR SHRUB SPRAY 12IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	52	30		
Q T H TQ F	RAIN BIRD 1812-SAM-PRS 12 Series MPR SHRUB SPRAY 12IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	9	30		
Q T H TQ F	RAIN BIRD 1812-SAM-PRS 15 Series MPR SHRUB SPRAY 12IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING DEVICE.	8	30		
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	GPM	RADIUS
25	RAIN BIRD 5004-PC-SAM-MPR 25 TURF ROTOR, 4IN. POP-UP, PLASTIC RISER, MATCHED PRECIPITATION ROTOR (MPR NOZZLE). ARC AND RADIUS AS PER SYMBOL. 25 FT=RED, 30 FT=GREEN, 35FT=BEIGE. WITH SEAL-A-MATIC CHECK VALVE.	59	25		23'
30	RAIN BIRD 5004-PC-SAM-MPR 30 TURF ROTOR, 4IN. POP-UP, PLASTIC RISER, MATCHED PRECIPITATION ROTOR (MPR NOZZLE). ARC AND RADIUS AS PER SYMBOL. 25 FT=RED, 30 FT=GREEN, 35FT=BEIGE. WITH SEAL-A-MATIC CHECK VALVE.	6	25		29'
35	RAIN BIRD 5004-PC-SAM-MPR 35 TURF ROTOR, 4IN. POP-UP, PLASTIC RISER, MATCHED PRECIPITATION ROTOR (MPR NOZZLE). ARC AND RADIUS AS PER SYMBOL. 25 FT=RED, 30 FT=GREEN, 35FT=BEIGE. WITH SEAL-A-MATIC CHECK VALVE.	24	25		32'
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY			
	RAIN BIRD PESB-IVM 1IN., 1-1/2IN., 2IN. PLASTIC INDUSTRIAL SMART VALVES W/ FACTORY INSTALLED IVM-SOL. LOW FLOW OPERATING CAPABILITY. GLOBE CONFIGURATION. WITH SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS.	15			
MV	RAIN BIRD IVM-EFB-CP 2" 1IN., 1-1/2IN., 2IN. BRASS REMOTE CONTROL SMART VALVE W/ FACTORY INSTALLED IVM-SOL CONTAMINATION PROOF, SELF-FLUSHING FILTER SCREEN. GLOBE CONFIGURATION, RECLAIMED WATER COMPATIBLE, AND PURPLE HANDLE COVER DESIGNATES NON-POTABLE WATER USE.	1			
C	IRRIGATION CONTROLLER CONNECT NEW IRRIGATION SYSTEM TO EXISTING IRRIGATION CONTROLLER LOCATED IN THE STUDENT CENTER (LURLEEN B. WALLACE HALL)	1			
POC 2"	POINT OF CONNECTION 2 1/2" MAIN LINE FROM EXISTING IRRIGATION WELL	1			
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	4,202 LF			
	IRRIGATION MAINLINE: PVC SCHEDULE 40	869.3 LF			
	PIPE SLEEVE: PVC SCHEDULE 40	234.0 LF			
	PIPE SLEEVE: PVC SCHEDULE 40	234.0 LF			

Valve Callout

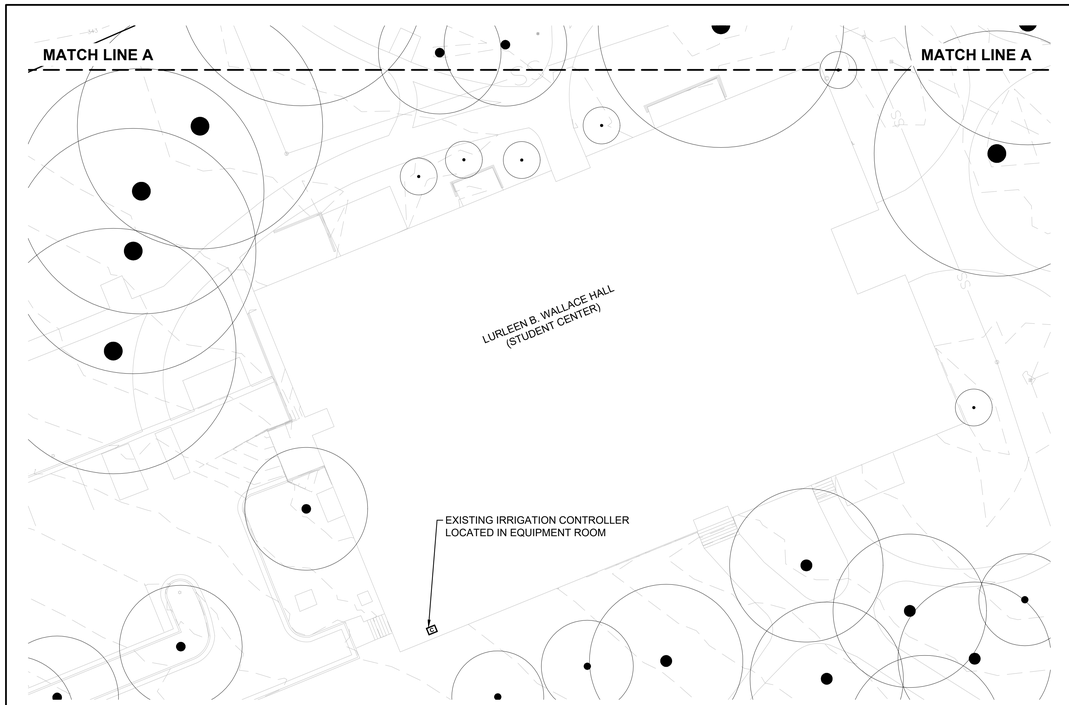


VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	DESIGN PSI	VELOCITY	FRICTION LOSS	VALVE LOSS	PSI
1	RAIN BIRD PESB-IVM	1-1/2"	TURF ROTOR	25.73	25	5 Ft.sec.	2.13	3.73	30.9
2	RAIN BIRD PESB-IVM	1-1/2"	TURF SPRAY	26.45	30	5 Ft.sec.	0.76	3.71	34.5
3	RAIN BIRD PESB-IVM	1"	SHRUB SPRAY	13.34	30	5 Ft.sec.	0.98	2.17	33.1
4	RAIN BIRD PESB-IVM	1-1/2"	TURF SPRAY	29.42	30	5 Ft.sec.	1.61	5.44	37.1
5	RAIN BIRD PESB-IVM	1-1/2"	SHRUB SPRAY	25.07	30	5 Ft.sec.	1.96	3.75	35.7
6	RAIN BIRD PESB-IVM	1-1/2"	TURF ROTOR	29.39	25	5 Ft.sec.	2.23	3.62	30.8
7	RAIN BIRD PESB-IVM	1-1/2"	TURF ROTOR	31.12	25	5 Ft.sec.	1.6	3.59	30.2
8	RAIN BIRD PESB-IVM	1"	SHRUB SPRAY	23.11	30	5 Ft.sec.	1.14	3.74	34.9
9	RAIN BIRD PESB-IVM	1-1/2"	TURF ROTOR	29.46	25	5 Ft.sec.	1.01	3.62	29.6
10	RAIN BIRD PESB-IVM	1"	SHRUB SPRAY	8.24	30	5 Ft.sec.	0.06	1.76	31.8
11	RAIN BIRD PESB-IVM	1"	TURF ROTOR	13.2	25	5 Ft.sec.	1.82	2.15	29.0
12	RAIN BIRD PESB-IVM	1"	TURF SPRAY	1.22	30	5 Ft.sec.	0.01	1.32	31.3
13	RAIN BIRD PESB-IVM	1"	TURF SPRAY	18.88	30	5 Ft.sec.	0.32	2.78	33.1
14	RAIN BIRD PESB-IVM	1"	TURF ROTOR	18.08	25	5 Ft.sec.	1.29	2.69	29.0
15	RAIN BIRD PESB-IVM	1-1/2"	TURF SPRAY	28.62	30	5 Ft.sec.	1.5	3.64	35.1

IRRIGATION NOTES

1. IRRIGATION DRAWINGS ARE DIAGRAMMATIC IN GENERAL AND 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 AND STANDARDS INCLUDING CITY CODES, ORDINANCES, AND REGULATIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, FEES, AND APPROVALS FROM GOVERNING AUTHORITIES.
4. WATER SOURCE FOR NEW IRRIGATION SYSTEM IS EXISTING WELL. EXTEND EXISTING 2 $\frac{1}{2}$" MAIN LINE TO NEW POINT OF CONNECTION (POC) AND NEW MASTER VALVE, AS SHOWN ON PLANS. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF NEW POC.
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 AND 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 AND 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 AND 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 AND 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 AND 6 IN. FROM BUILDINGS OR WALLS.
11. ADJUST IRRIGATION AS NECESSARY TO AVOID EXISTING UTILITIES, LIGHT POLES, BUILDINGS, AND/OR OTHER UNFORESEEN OBSTRUCTIONS.
12. NEW SYSTEM TO BE CONNECTED TO EXISTING IRRIGATION CONTROLLER LOCATED IN LURLEEN B. WALLACE HALL - STUDENT CENTER, SEE INSET PLAN THIS SHEET. VERIFY CONTROLLER CAPACITY FOR NEW IRRIGATION SYSTEM AND IF NECESSARY, ADD EXPANSION MODULE.
13. CONTRACTOR SHALL INSTALL GROUNDING, SURGE, AND LIGHTNING PROTECTION AS PER IRRIGATION MANUFACTURER'S RECOMMENDATIONS.
14. VALVES, CONTROLLERS, AND 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.



EXISTING IRRIGATION CONTROLLER LOCATION PLAN

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

ISSUE | DATE
ISSUED FOR BID | 2026.11.06

DRAWN BY: LMW
CHECKED BY: LMW

LOLLEY GYM RENOVATION
ENTERPRISE STATE COMMUNITY COLLEGE
ENTERPRISE, ALABAMA

ABCI Project #
GMC Project # ABHM250051

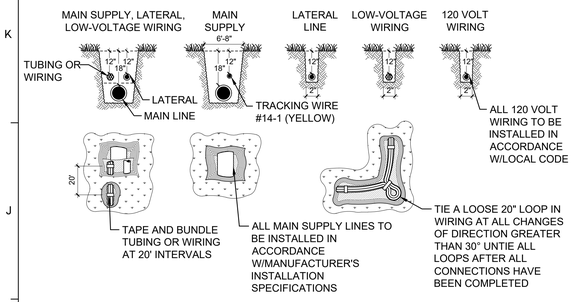
STATE OF ALABAMA
LORI LOUISE MURASKI
NUMBER 506
REGISTERED LANDSCAPE ARCHITECT

IRRIGATION SCHEDULES, NOTES

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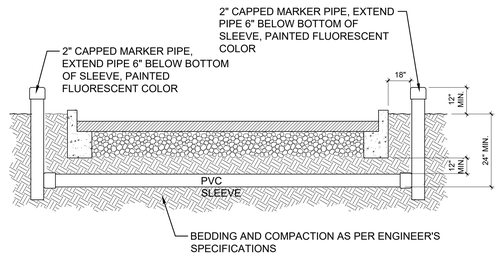
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PLOTTED: Nov 03, 2026 - 8:56am

CONTRACTOR TO COMPLY W/ALL LOCAL CODES AND ORDINANCES IN REFERENCE TO THE INSTALLATION OF PVC PIPING AND LOW VOLTAGE WIRING.

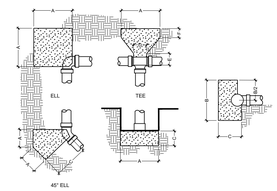


1 IRRIGATION TRENCHING
NTS

NOTE:
INSTALLER OF SLEEVES SHALL BE RESPONSIBLE TO LOCATE SLEEVES IF NOT PROPERLY INSTALLED



2 IRRIGATION SLEEVING
NTS

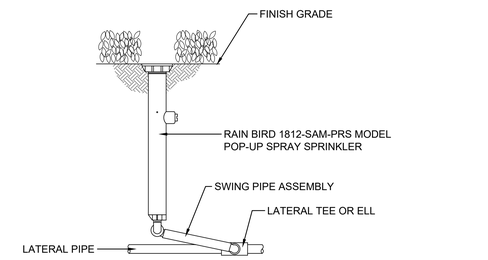


TRUST BLOCK PLANS

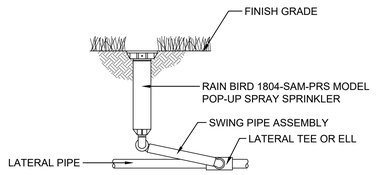
PIPE	TEES						PLUGS			90° BEND			45° BEND		
DIA.	A	B	C	D	E	F	A	B	C	A	B	C	A	B	C
3"	12	20	8	12	-	-	12	20	8	18	12	8	8	12	12

TRUST BLOCK SCHEDULE

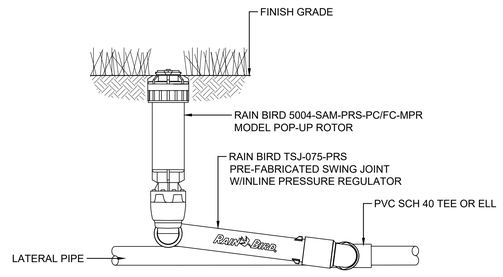
3 THRUST BLOCKS
N.T.S.



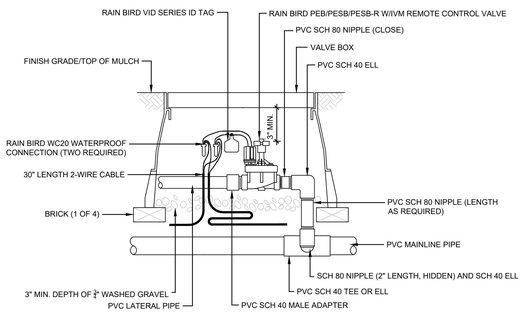
4 RAIN BIRD 12" POP-UP SPRAY SPRINKLER
NTS



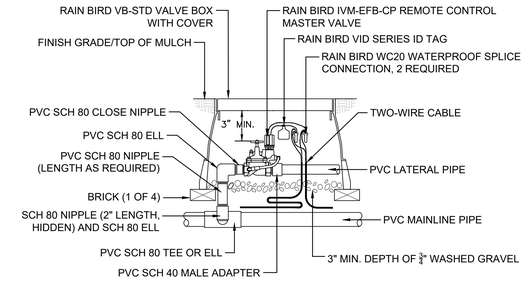
5 RAIN BIRD 4" POP-UP SPRAY SPRINKLER
NTS



6 RAIN BIRD 5004 POP-UP ROTOR
NTS



7 RAIN BIRD PES/PESB/PESB-R IVM VALVE
NTS



NOTE:
COIL AN ADDITIONAL 3-FEET OF TWO-WIRE CABLE IN VALVE BOX FOR EASY SERVICING.

8 RAIN BIRD IVM-EFB-CP MASTER VALVE
NTS

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STATE OF ALABAMA
LORI LOUISE MURASKI
NUMBER 506
REGISTERED LANDSCAPE ARCHITECT

IRRIGATION DETAILS

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PLOTTED: Nov 03, 2026 - 8:56am