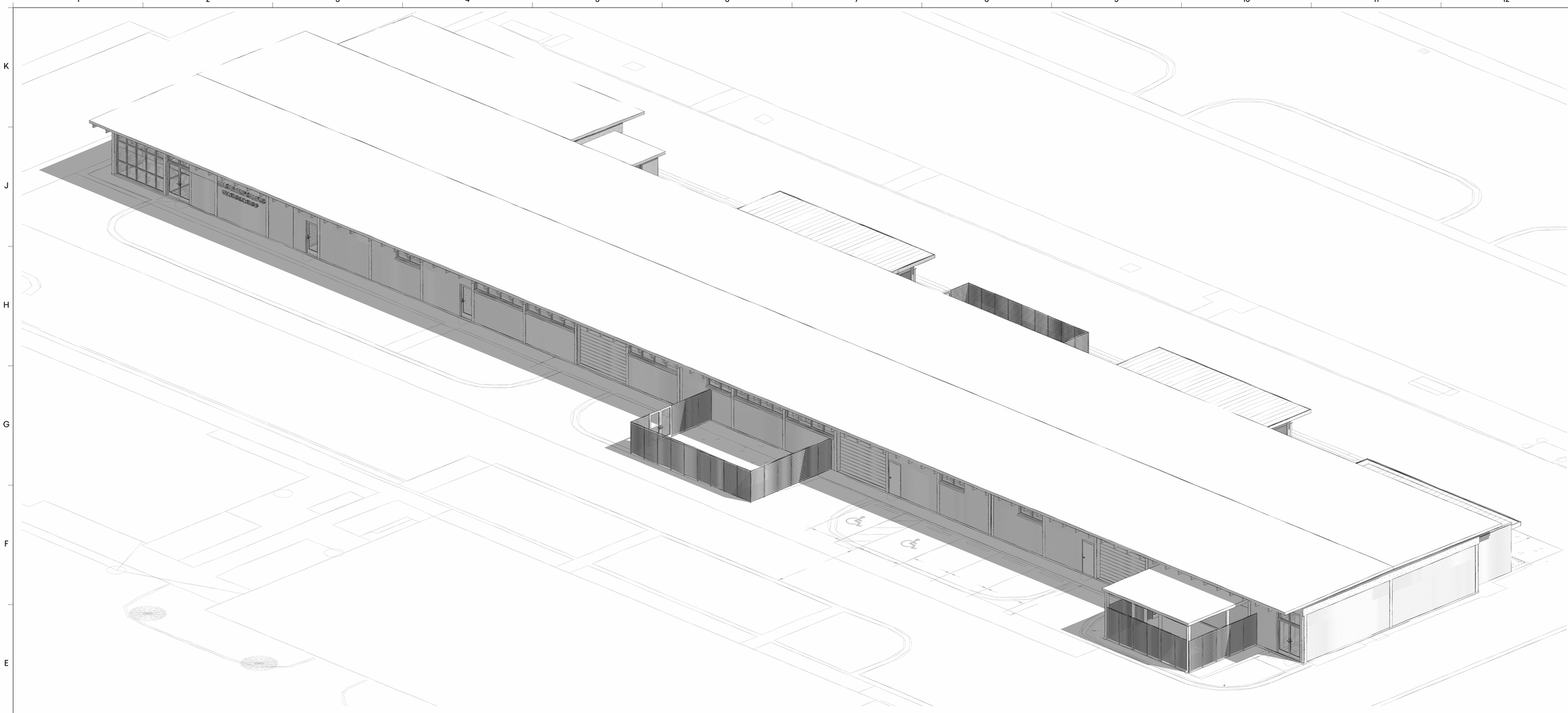


LBW CC - NAVY MIB WELDING - OPP BUILDING D

Alabama Community College System /Opp, AL 36467

BID SET

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

GMC

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ISSUE | DATE
BID SET | 06/02/2026

DRAWN BY: TM/MC
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ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
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ACCS 2025 161 LBWCC
GMC # AMGM260016

STATE OF ALABAMA
F.E. LYNN, JR.
3645
REGISTERED ARCHITECT

06/02/2026

TITLE SHEET

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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 "OFIOI", 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.

1.18. **[RENOVATION] PARTITION DESIGNATION:** EXISTING PARTITIONS SCHEDULED TO BE REMOVED ARE ILLUSTRATED AS DASHED LINES ON THE PLANS LABELED "DEMOLITION PLAN(S)" AND OR "DEMOLITION ELEVATION(S)". EXISTING PARTITIONS TO REMAIN ARE ILLUSTRATED IN GRAY-TONE (SCREENED). NEW WORK IS ILLUSTRATED IN BLACK LINES.

1.19. **[RENOVATION] PROTECTION:** EXISTING OCCUPIED AREAS, AND WORK TO REMAIN AFTER CONSTRUCTION, SHALL BE PROTECTED DURING CONSTRUCTION ACTIVITIES. PROTECTION SHALL ENCOMPASS CONSTRUCTION OF TEMPORARY BARRIERS, MAINTENANCE OF EXISTING MECHANICAL, FIRE PROTECTION, ELECTRICAL SYSTEMS, AND PHYSICAL PROTECTION OF WORK TO REMAIN THAT IS SUBJECT TO DAMAGE FROM CONSTRUCTION ACTIVITIES. THE GENERAL CONTRACTOR SHALL REPAIR OR REPLACE EXISTING WORK SCHEDULED TO REMAIN, THAT IS DAMAGED DURING CONSTRUCTION DUE TO INSUFFICIENT PROTECTION.

1.20. **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 POST-CONSTRUCTION LOADS FOR WHICH THE ELEMENT IS DESIGNED.

A DIVISION 1 - GENERAL REQUIREMENTS

2.21. **DEMOLITION REQUIREMENTS FOR RENOVATION WORK**

(A) REMOVE AND PROPERLY DISPOSE OF ALL DEBRIS, RUBBISH AND MATERIALS RESULTING FROM DEMOLITION IN COMPLIANCE WITH LOCAL CODES AND REGULATIONS.

(B) ALL EXISTING SLABS TO BE LEVELED AND PREPARED TO ACCEPT FLOOR FINISHES AS SCHEDULED. LEVELING COMPOUNDS TO BE USED AS REQUIRED.

(C) PATCH, REPAIR, AND REFINISH ALL EXISTING FLOORS, WALLS CEILINGS, AND OTHER SURFACES IMPACTED BY DEMOLITION OPERATIONS SO THAT ALL FINISHED WORK IS SMOOTH, SOUND, AND READY TO RECEIVE NEW FINISHED OR TO REMAIN EXPOSED, AS APPLICABLE.

(D) REMOVE ALL ABANDONED HANGERS, SUPPORTS, CONDUIT, PIPING, DUCTWORK, WIRING, FASTENERS, AND OTHER EQUIPMENT NOT SCHEDULED FOR REUSE OR IDENTIFIED TO REMAIN. SEAL OR CAP ALL UTILITIES LEFT IN PLACE AS SPECIFIED PER LOCAL CODE AND REGULATIONS.

(E) COORDINATE DEMOLITION ACTIVITIES WITH ALL TRADES TO AVOID DISRUPTION OF ACTIVE SYSTEMS AND SERVICES.

(F) VERIFY LOCATIONS OF UTILITIES AND STRUCTURE BEFORE CUTTING, CORING, OR REMOVING ELEMENTS. NOTIFY ARCHITECT/ENGINEER OF ANY UNFORESEEN CONDITIONS OR CONFLICTS PRIOR TO PROCEEDING.

(G) MAINTAIN A SAFE, CLEAN WORK AREA THROUGHOUT DEMOLITION OPERATIONS AND LEAVE THE SITE BROOM-CLEAN UPON COMPLETION.

(H) VERIFY ALL DIMENSIONS IN FIELD. NOTIFY THE ARCHITECT OF AMY DISCREPANCIES.

(I) VERIFY IN-FIELD THE LOCATIONS OF EXISTING MECHANICAL, ELECTRICAL, AND PLUMBING INFRASTRUCTURE FOR REQUIRED TIE-INS.

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.

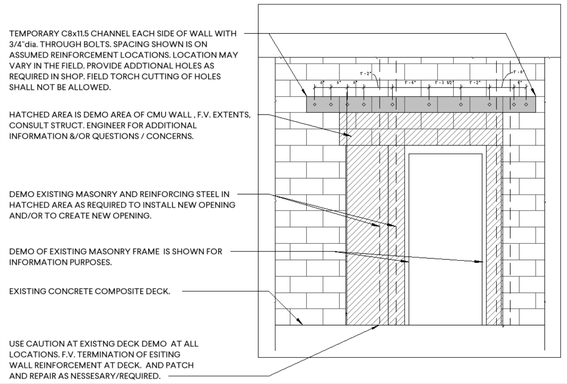
8.02 **FIRE-RATED CERAMIC GLAZING:** AT FIRE-RATED DOORS, SIDELITES, AND TRANSOMS, PROVIDE FIRE-RATED CERAMIC GLAZING AT ANY VISION PANEL THAT EXCEEDS THE MAXIMUM ALLOWABLE GLASS SIZE PER IBC TABLE 716.5 (IBC 2021) or 716.1(2) (IBC 2021) AS APPLICABLE. SEE SPECIFICATION SECTION 08 8000 GLAZING FOR CERAMIC 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.

8.99. **TYPICAL DETAIL OF CMU OPENINGS:** FOR INFORMATIONAL PURPOSES ONLY: CONSULT STRUCTURAL ENGINEER FOR MORE DETAILED INFORMATION ON NEW STEEL LINTEL AND/OR BOND BEAM INSERTION. EXTENTS MAY VARY. CONSULT STRUCTURAL ENGINEER FOR QUESTIONS AND/OR CONCERNS REGARDING EXTENTS AS REQUIRED ON RATED WALLS AT NEW OPENINGS. GENERAL CONTRACTOR REQUIRED TO PROVIDE FIRE CAULKING AND PENETRATION CLOSURES WHERE REQUIRED BY CODE. SEE LIFE SAFETY PLAN FOR LOCATIONS.



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. **TIE-INS AT EXISTING WORK:** WHERE NEW GYPSUM BOARD PARTITIONS ARE A CONTINUATION OF AN EXISTING PARTITION OR COLUMN ENCASEMENTS, THE FACE OF THE NEW GYPSUM BOARD SHALL BE ALIGNED WITH THE FACE OF EXISTING SURFACE. WHERE A ONE-HOUR PARTITION IS SHOWN AS A CONTINUATION OF A TWO-HOUR PARTITION OR COLUMN ENCASEMENT, THE FACE OF THE GYPSUM BOARD SHALL BE ALIGNED. STUDS SHALL BE OFFSET AS REQUIRED TO PROVIDE FACE ALIGNMENT OF GYPSUM BOARD.

I DIVISION 9 - FINISHES

9.08 **FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIER IDENTIFICATION**

(A) FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIERS SHALL BE PERMANENTLY LABELED IN RED STENCILED LETTERING ABOVE FINISHED CEILING AT 1'-0" ABOVE CEILING.
1. EACH NEW FIRE WALL, FIRE BARRIER, FIRE PARTITION, SMOKE BARRIER, SMOKE PARTITION, OR ANY OTHER NEW WALL REQUIRED TO HAVE PROTECTED OPENINGS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING ABOVE ANY DECORATIVE CEILING AND IN CONCEALED SPACES WITH THE WORDING, "FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS", OR SIMILAR LANGUAGE. SUCH SIGNS OR STENCILING SHALL BE IN 4 INCH HIGH LETTERS, 1/2 INCH STROKE, AND NOT MORE THAN 15 FEET ON-CENTER.

(B) UNLESS OTHERWISE REQUIRED OTHERWISE BY LOCAL JURISDICTION IDENTIFY RATED PARTITIONS AND WALLS AS FOLLOWS (G.C. MUST CONFIRM VERBIAGE WITH LOCAL A.H.J.):
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 - "

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)

REQD	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)

1 / 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

NORTH ARROW:
ARCHITECTURAL PLAN ORIENTATION
PLAN NORTH

NORTH ARROW:
CIVIL ORIENTATION
TRUE NORTH

DRAWING INDEX

DWG. NO.	DRAWING NAME
0.0 GENERAL	
T1	TITLE SHEET
G1.02	GENERAL NOTES
G1.03	GENERAL INFORMATION & SHEET INDEX
G1.11	ACCESSIBILITY DATA
G1.12	ACCESSIBLE PLUMBING LAYOUTS
G1.21	PARTITION TYPES
G1.22	PARTITION DETAILS
G1.28	UL ASSEMBLY U454 + U905
G1.32	PENETRATION FIRESTOPPING - CONC.FLRS+WALLS
G1.33	JOINT FIRESTOPPING
G2.00	LIFE SAFETY - CODE ANALYSIS
G2.01	LIFE SAFETY PLAN - LEVEL 1
1.0 ARCHITECTURE	
A0.10	OVERALL PHASING FLOOR PLANS
A0.20	DEMOLITION PLAN
A0.21	DEMOLITION ELEVATIONS
A0.22	DEMOLITION - EXISTING PHOTOS
A1.11	NEW CONSTRUCTION FLOOR PLANS
A1.12	NEW CONSTRUCTION -DIMENSION PLANS
A1.70	REFLECTED CEILING PLAN
A1.90	ROOF PLAN
A2.01	EXTERIOR ELEVATIONS
A2.02	ENLARGED EXTERIOR ELEVATIONS
A3.10	BUILDING SECTIONS
A3.20	WALL SECTIONS
A3.21	WALL SECTIONS
A3.22	WALL SECTIONS
A3.23	WALL SECTIONS
A5.10	PLAN DETAILS
A5.30	SECTION DETAILS
A5.31	SECTION DETAILS
A5.80	MISC DETAILS
A6.10	DOOR SCHEDULE
A6.15	DOOR DETAILS
A6.20	GLAZING & LOUVER SCHEDULES
A7.10	FINISH PLAN
A7.15	FINISH LEGEND & SCHEDULE
A7.31	SIGNAGE SCHEDULES & DETAILS
A7.40	ENLARGED PLANS & INTERIOR ELEVATIONS
A7.41	ENLARGED PLANS & INTERIOR ELEVATIONS
A8.10	EQUIPMENT SPECIFICATIONS
A0.01	ADD ALTERNATE
4.0 Plumbing	
P0.01	LEGEND, SCHEDULES AND NOTES
P1.01	PLUMBING DEMO PLANS
P1.02	NON-PRESSURE PLUMBING PLANS
P1.03	PRESSURE PLUMBING PLANS
P4.01	ENLARGED PLANS
P5.01	PLUMBING DETAILS
P9.01	RISER DIAGRAMS

DWG. NO.	DRAWING NAME
4.0 STRUCTURAL	
S0.01	GENERAL NOTES
S0.02	2021 SCHEDULE OF SPECIAL INSPECTIONS
S0.03	TYPICAL DETAILS
S0.04	TYPICAL DETAILS
S1.01	FLOOR AND FOUNDATION PLAN
S1.02	STORAGE ADDITION ROOF FRAMING PLAN
S3.01	SECTIONS
4.3 MECHANICAL	
M0.01	HVAC SCHEDULES AND NOTES
M0.02	HVAC SCHEDULES
M1.01	LEVEL 1 - HVAC DEMO PLANS
M2.01	LEVEL 1 - HVAC NEW PLAN
M3.01	HVAC DETAILS
M3.02	HVAC DETAILS & CONTROLS
5.0 ELECTRICAL	
E0.01	ELECTRICAL LEGEND AND NOTES
E1.01	ELECTRICAL SITE PLAN
E1.11	LIGHTING PLAN - PART A
E1.12	LIGHTING PLAN - PART B
E1.21	POWER PLAN - PART A
E1.22	POWER PLAN - PART B
E1.23	ELECTRICAL HVAC PLAN - PART A
E1.24	ELECTRICAL HVAC PLAN - PART B
E1.31	AUXILIARY PLAN - PART A
E1.32	AUXILIARY PLAN - PART B
E4.01	SINGLE LINE DIAGRAMS
E5.01	ELECTRICAL DETAILS
E5.02	ELECTRICAL DETAILS
E5.03	ELECTRICAL DETAILS
E6.01	ELECTRICAL SCHEDULES
E6.02	ELECTRICAL SCHEDULES
5.0 Fire Protection	
FP0.01	LEGEND, DETAILS AND NOTES
FP1.01	FIRE PROTECTION
7.1 CIVIL	
C-001	SITE PLAN
C-002	EXISTING CONDITIONS AND DEMOLITION PLAN
C-003	EXISTING CONDITIONS AND DEMOLITION PLAN
C-101	SITE LAYOUT AND UTILITY PLAN
C-102	SITE LAYOUT AND UTILITY PLAN
C-201	GRADING PLAN
C-601	EROSION CONTROL PLAN
C-602	EROSION CONTROL PLAN
C-901	DETAILS
8.0 LANDSCAPE	
L1.01	MATERIALS PLAN AND DETAILS

VICINITY MAP



TRUE NORTH

GMC
Goodwyn Mills Cawood, LLC
100 N. Gay Street
Suite 300
Auburn, AL 36830
T 334.271.3200
GMCNETWORK.COM

ISSUE | DATE
BID SET | 06/02/2026

DRAWN BY: TM/MC
CHECKED BY: TM

LBW CC - NAVY MIB WELDING - OPP BUILDING D
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025161LBWCC
GMC # AMGM260016

STATE OF ALABAMA
F.E. LYNN, JR.
3645
REGISTERED ARCHITECT

06/02/2026

GENERAL INFORMATION & SHEET INDEX

G1.03

TEMPLATE VERSION: 2025.1
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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.

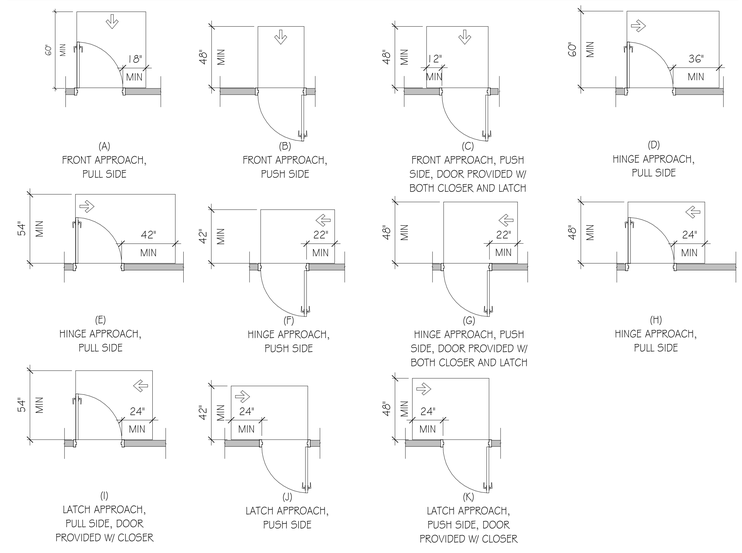
06. **ELECTRICAL DEVICES:** SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED MOUNTING HEIGHT OF ELECTRICAL DEVICES AND FIXTURES. SHOULD CONFLICT EXIST BETWEEN MOUNTING HEIGHTS INDICATED HEREIN AND THE REQUIREMENTS OF THE ELECTRICAL ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR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

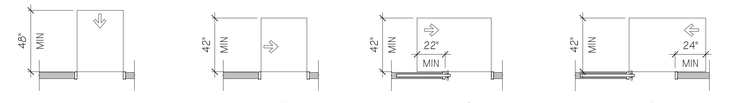
DOOR AND GATE MANEUVERING CLEARANCES

404.2.4.1 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES



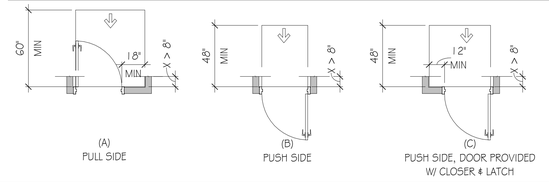
(A) FRONT APPROACH, PULL SIDE
(B) FRONT APPROACH, PUSH SIDE
(C) FRONT APPROACH, PUSH SIDE, DOOR PROVIDED W/ BOTH CLOSER AND LATCH
(D) HINGE APPROACH, PULL SIDE
(E) HINGE APPROACH, PULL SIDE
(F) HINGE APPROACH, PUSH SIDE
(G) HINGE APPROACH, PUSH SIDE, DOOR PROVIDED W/ BOTH CLOSER AND LATCH
(H) HINGE APPROACH,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

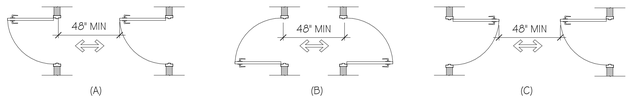
404.2.4.3 RECESSED DOORS AND GATES



(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

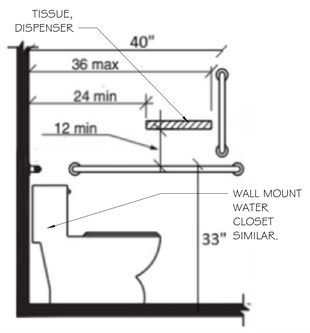
SEE G1.12 FOR PLAN DETAILS

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

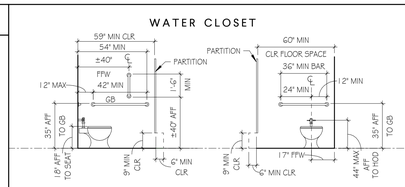
ACCS WATER CLOSET/TOILET TISSUE DISPENSER LOCATION

TOILET TISSUE DISPENSER LOCATION:
EVERY EFFORT SHALL BE MADE IN THE DESIGN FOR TOILET PAPER DISPENSERS TO BE MOUNTED ABOVE THE HORIZONTAL GRAB BAR IN ACCESSIBLE RESTROOMS. IF THIS CANNOT BE ACCOMPLISHED, ACCS MUST PROVIDE APPROVAL TO MOVE FORWARD WITH THE ALTERNATE DESIGN. THE DIAGRAM TO THE RIGHT PROVIDES MEASUREMENTS TO ACHIEVE THE BEST PLACEMENT OF THE DISPENSER ABOVE THE HORIZONTAL GRAB BAR AND TO THE LEFT OF THE VERTICAL GRAB BAR. THESE MEASUREMENTS FALL WITHIN THE ADA AND ANSI REQUIREMENTS.

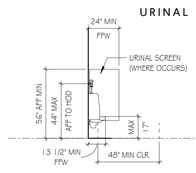
- TOP OF THE HORIZONTAL GRAB BAR TO BE 33" FROM THE FINISHED FLOOR (ANSI 609.4.1)
- CENTER LINE OF THE VERTICAL GRAB BAR TO BE 40" FROM THE REAR WALL (ANSI 604.5.1.2)
- BOTTOM OF THE PROTRUDING TOILET TISSUE DISPENSER TO BE MOUNTED 45" FROM THE FINISHED FLOOR (12" ABOVE THE TOP OF THE HORIZONTAL GRAB BAR PER ADA 609.3)
- TOILET TISSUE DISPENSER TO BE MOUNTED WITHIN THE 24" TO 36" ZONE FROM THE REAR WALL (ANSI 604.7.1)
- OUTLET OR BOTTOM OF THE DISPENSER WILL BE AT 45" ABOVE THE FINISHED FLOOR (ADA 604.7)
- TISSUE DISPENSER IS AN FFE ITEM, OF/CI.



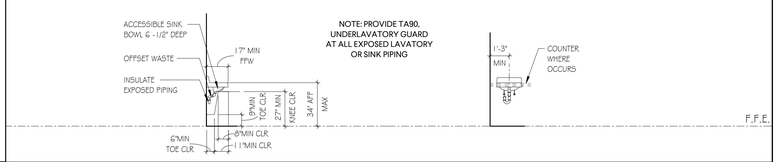
WATER CLOSET



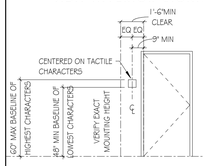
URINAL



LAVATORY OR VANITY SINK

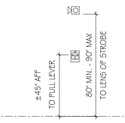


ADA INTERIOR SIGNAGE



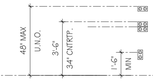
LATCH SIDE OR NEAREST ADJACENT WALL

FIRE ALARM W/ STROBE



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

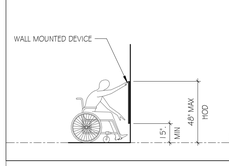
ELECTRICAL DEVICES



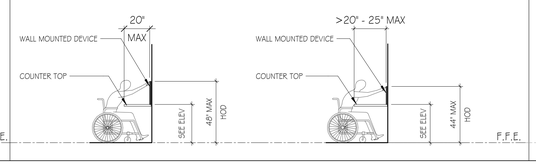
*NOTE: ROTATE ELECTRICAL COVER PLATES HORIZONTAL IF COUNTERTOP IS ABOVE 42" HIGH

TYPICAL REACH RANGES

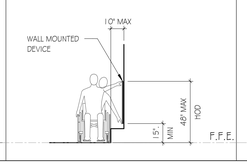
UNOBSTRUCTED FORWARD REACH



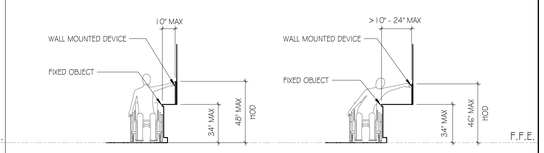
OBSTRUCTED HIGH FORWARD REACH



UNOBSTRUCTED SIDE REACH

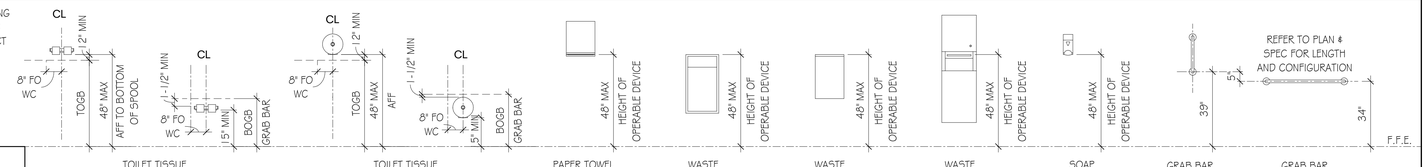


OBSTRUCTED HIGH SIDE REACH

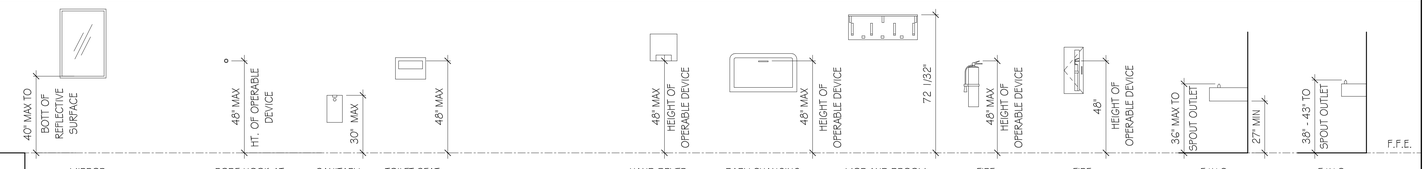


TYPICAL ACCESSIBLE MOUNTING HEIGHTS

VERIFY EXACT MOUNTING HEIGHT OF SUBMITTED DEVICE WITH ARCHITECT



TOILET ACCESSORY TYPE	TOILET TISSUE HOLDER	TOILET TISSUE DISPENSER	PAPER TOWEL DISPENSER	WASTE RECEPTACLE	WASTE RECEPTACLE	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 TA50	TA02	TA03 TA04 TA05 TA06 TA07 TA08 TA09 TA10	TA11 RECESSED	TA12 TA13 SURFACE MOUNTED	TA14 TA15 TA16 RECESSED	TA17 TA18 TA19	18" TA23 or TA74	18" TA23 or TA74 36" TA24 or TA65 or TA75 42" TA25 or TA66 or TA76 48" TA26



TOILET ACCESSORY TYPE	MIRROR ADA	ROBE HOOK AT ACCESSIBLE LOCATIONS (SEE ELEVATIONS FOR STANDARD HOOK HT)	SANITARY NAPKIN DISPOSAL	TOILET SEAT COVER DISPENSER	HAND DRYER	BABY CHANGING STATION	MOP AND BROOM HOLDER	FIRE EXTINGUISHER	FIRE EXTINGUISHER CABINET	E.W.C. (ACCESSIBLE)	E.W.C. (STANDARD)
DRAWING DESIGNATION	TA30 TA31 TA77	TA33	TA36	TA38	TA80	TA85	TA95	FE	FEC		

GMC
Goodwyn Mills Cawood, LLC
100 N. Gay Street
Suite 300
Auburn, AL 36830
T 334.271.3200
GMCNETWORK.COM

ISSUE	DATE
BID SET	06/02/2026

DRAWN BY: TM/MC
CHECKED BY: TM

LBW CC - NAVY MIB WELDING - OPP BUILDING D
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025 161 LBWCC
GMC # AMGM260016

STATE OF ALABAMA · F.E. LYNN, JR. · 36451 · REGISTERED ARCHITECT
06/02/2026

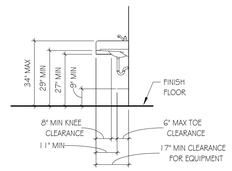
ACCESSIBILITY DATA

G1.11

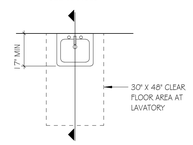
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ACCESSIBLE PLUMBING LAYOUTS - ADAAG / ANSI

ACCESSIBLE LAVATORIES



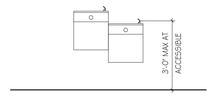
SECTION
LAVATORY CLEARANCES



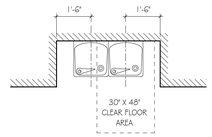
PLAN

ACCESSIBLE LAVATORY

FRONT APPROACH



ELEVATION

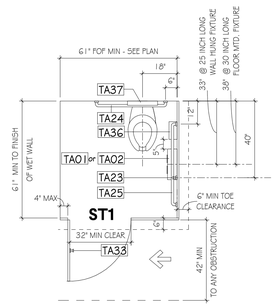


PLAN

FOUNTAIN / COOLER - HI-LO

ACCESSIBLE TOILET STALL OR COMPARTMENT LAYOUTS

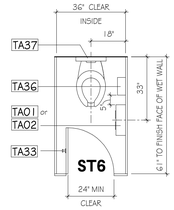
NOTES:
1. LOCATE FLUSH ACTIVATION ON WIDE SIDE AT ALL TOILETS - LOCATE FLUSH VALVE BENEATH ADJACENT GRAB BARS.
2. SANITARY NAPKIN DISPOSALS TO BE PROVIDED AT ALL FEMALE, UNISEX, & FAMILY TOILETS



WHEELCHAIR ACCESS. STALL

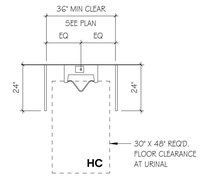
PLAN DESIGNATION **ST1**

OTHER STALL OR COMPARTMENT LAYOUTS



STANDARD TOILET STALL

PLAN DESIGNATION **ST6**



ACCESSIBLE URINAL STALL

PLAN DESIGNATION ST8



STANDARD URINAL STALL

PLAN DESIGNATION ST7

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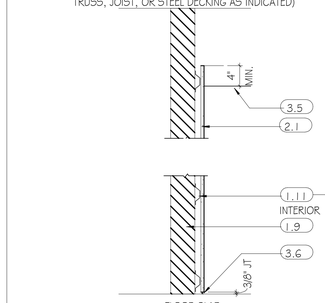
STATE OF ALABAMA
F.E. LYNN, JR.
3645
REGISTERED ARCHITECT

06/02/2026

ACCESSIBLE PLUMBING LAYOUTS

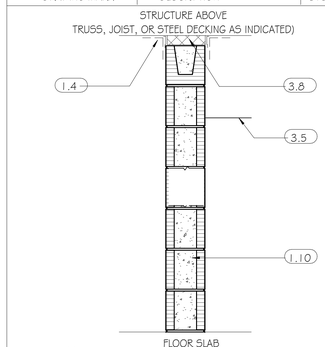
G1.12

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

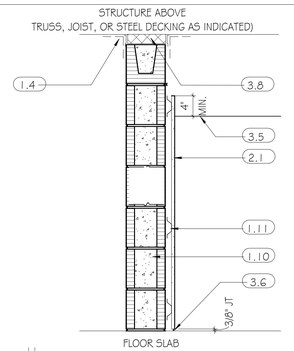
DRAWING MARK	DESCRIPTION	U.L. #	N/A
		STC	N/A



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

2M ONLY

DRAWING MARK	DESCRIPTION	U.L. #	U905
		STC	50



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

DRAWING MARK	DESCRIPTION	U.L. #	U905
		STC	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.

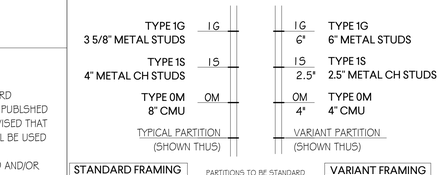
IMPORTANT NOTE

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 G1.22
3.12	WALL CAP. SEE DETAILS ELSEWHERE ON THESE 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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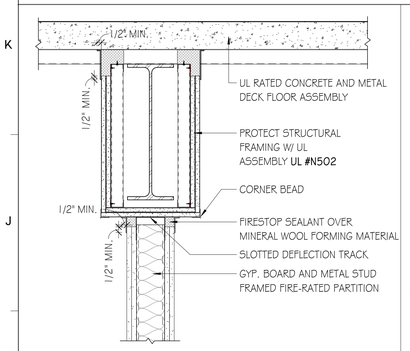
06/02/2026

PARTITION TYPES

G1.21

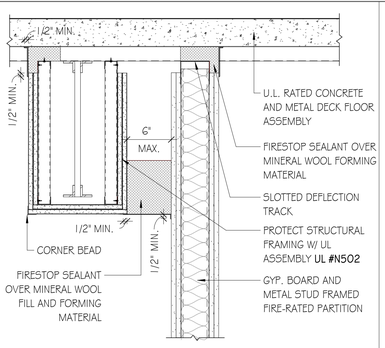
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HEAD OF WALL FIRESTOPPING



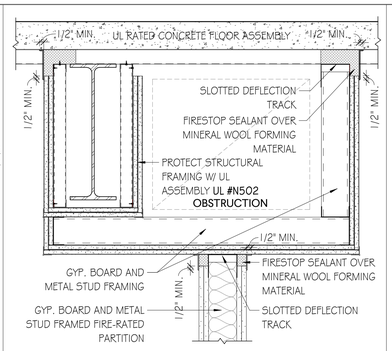
ENGINEERING JUDGEMENT (HILTI) #554953a
(1 & 2 HOUR, 2 1/2" WIDTH, 50% MOVEMENT)

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



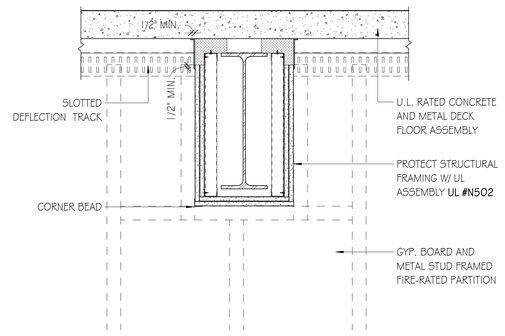
ENGINEERING JUDGEMENT (HILTI) #554890a
(1 & 2 HOUR, 2 1/2" WIDTH, 33% MOVEMENT)

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



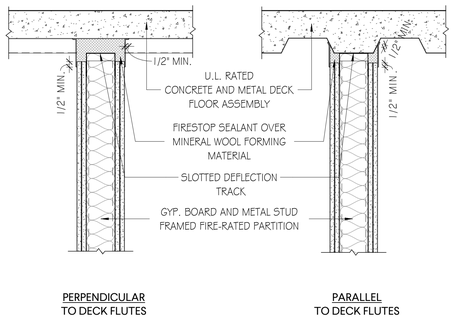
ENGINEERING JUDGEMENT (HILTI) #554946a
(1 & 2 HOUR, 2 1/2" WIDTH, 50% MOVEMENT)

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



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

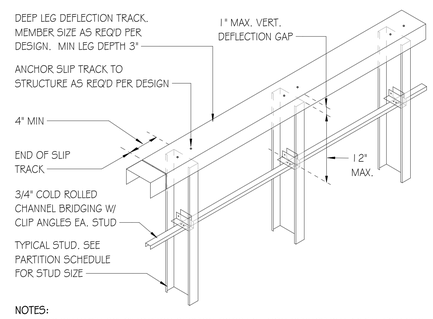
H7 WALL PERPENDICULAR TO BEAM
SCALE: 1 1/2" = 1'-0"



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

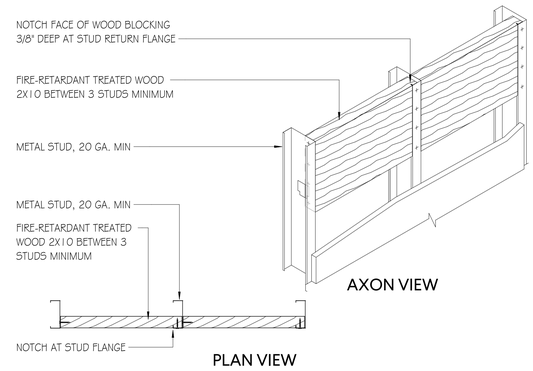
UL# HW-D-0049
(1 & 2 HOUR, 1" WIDTH, 50% MOVEMENT)

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



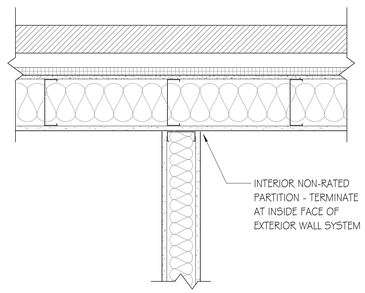
NOTES:
1. COMPLY WITH SPECIFICATION SECTION 092216 - NON-STRUCTURAL METAL FRAMING.
2. PROVIDE 3/4" CR CHANNEL BRIDGING AT 12" MAX. FROM TOP OF WALL.
3. PROVIDE ADDITIONAL 3/4" CR CHANNEL BRIDGING AT 48" OC VERT AT FULL HEIGHT ONE-SIDED PARTITIONS (GYP BOARD ONE SIDE ONLY), OR AS REQ'D PER DESIGN.

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

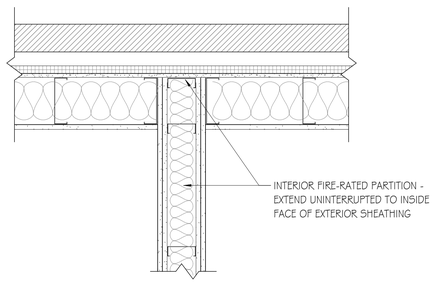


E10 BLOCKING DETAIL
SCALE: 1 1/2" = 1'-0"

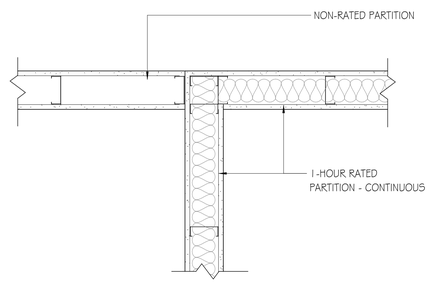
WALL PRIORITY DIAGRAMS



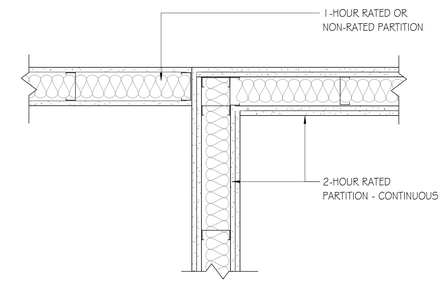
C1 NON-RATED PARTITION @ EXT. WALL
SCALE: 1 1/2" = 1'-0"



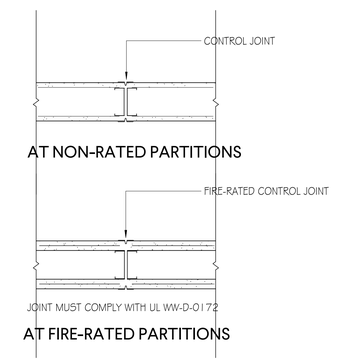
C4 RATED PARTITION @ EXT. WALL
SCALE: 1 1/2" = 1'-0"



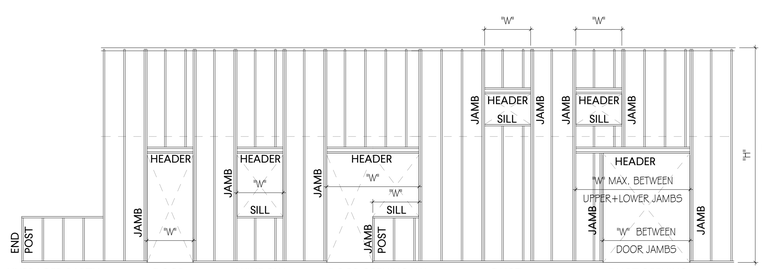
C7 PARTITION INTERSECTION 1
SCALE: 1 1/2" = 1'-0"



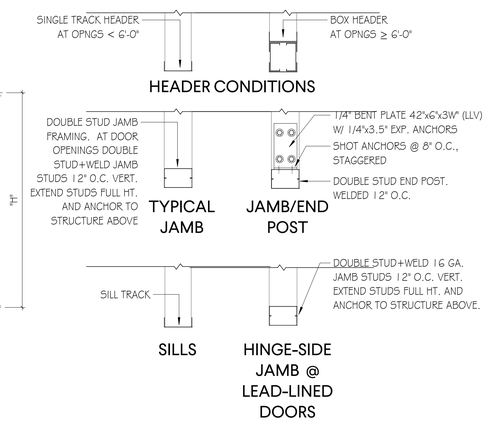
C10 PARTITION INTERSECTION 2
SCALE: 1 1/2" = 1'-0"



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				

GMC

Goodwyn Mills Cawood, LLC
100 N. Gay Street
Suite 300
Auburn, AL 36830
T 334.271.3200
GMCNETWORK.COM

ISSUE DATE
BID SET 06/02/2026

DRAWN BY: TM/MC
CHECKED BY: TM

LBW CC - NAVY MIB WELDING - OPP BUILDING D
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025.161.LBWCC
GMC # AMGM260016

STATE OF ALABAMA
F.E. LYNN, JR.
3645
REGISTERED ARCHITECT
06/02/2026

PARTITION DETAILS

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UL Product iQ™

BXUV.U905

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

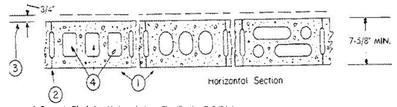
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. U905

March 02, 2020

Bearing Wall Rating — 2 HR.

Nonbearing Wall Rating — 2 HR



1. **Concrete Blocks* —** Various designs. Classification D-2 (2 hr).
See **Concrete Blocks** category for list of eligible manufacturers.

2. **Mortar —** Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. **Portland Cement Stucco or Gypsum Plaster —** Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).

4. **Loose Masonry Fill —** If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.

5. **Foamed Plastic* —** (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).
ATLAS ROOFING CORP — "EnergyShield Pro Wall Insulation", "EnergyShield Pro 2 Wall Insulation", EnergyShield CGF Pro and EnergyShield Ply Pro

CARLISLE COATINGS & WATERPROOFING INC — Type R2+ SHEATHE

DUPONT DE NEMOURS, INC. — Types Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax XARMOR ci Exterior Insulation, Thermax IH Insulation, Thermax Plus Liner Panel, Thermax Heavy Duty Plus (HDP), TUFF-R™ ci Insulation, Thermax Butler Stylwall Insulation Board and Thermax Morton Heavy Duty Insulation Board

FIRESTONE BUILDING PRODUCTS CO L L C — "Enverge™ CI Foil Exterior Wall Insulation" and "Enverge™ CI Glass Exterior Wall Insulation"

HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — Types "Xci-Class A", "Xci Foil (Class A)", "Xci 286"

RMAX, A BUSINESS UNIT OF SIKA CORPORATION — Types "TSX-8500", "ECOMAXci FR", "TSX-8510", "ECOMAX xi FR White", "ECOMAXci", "ECOMAXci FR Air Barrier", "Thermasheath-XP", "Thermasheath", "Durasheath", "Thermasheath-3", "Durasheath-3".

5A. **Building Units —** As an alternate to Items 5, min. 1-in thick polyisocyanurate composite foamed plastic insulation boards, nom. 48 by 48 or 96 in.

HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — "Xci NB", "Xci Ply"

RMAX, A BUSINESS UNIT OF SIKA CORPORATION — "Thermasheath-SI", "ECOBASEci", "ThermaBase-CI", "ECOMAXci FR Ply", "ECOMAXci Ply".

Last Updated on 2020-03-02

A10 **UL DESIGN U905**
SCALE: 3" = 1'-0"

GMC PARTITION TYPE 2M: COMPLIES WITH UL ASSEMBLY U905

GMC
Goodwyn Mills Cawood, LLC
100 N. Gay Street
Suite 300
Auburn, AL 36830
T 334.271.3200
GMCNETWORK.COM

ISSUE | DATE
BID SET | 06/02/2026

DRAWN BY: TM/MC
CHECKED BY: TM

LBW CC - NAVY MIB WELDING - OPP BUILDING D
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025 161 LBWCC
GMC # AMGM260016

STATE OF ALABAMA
F.E. LYNN, JR.
3645
REGISTERED ARCHITECT

06/02/2026

UL ASSEMBLY U454 + U905

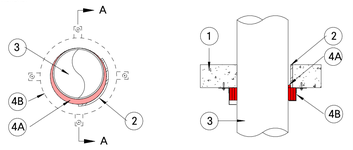
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SINGLE UNINSULATED METAL PIPE THRU CONC FLOOR/WALL OR CMU WALL

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

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 MATL AND SIZE SHALL BE AS TESTED IN THIS ASSEMBLY. ANNULAR SPACE: MIN 0", MAX 1/2" (FOR 8" PIPES), MIN 0", MAX 1-1/4" (FOR 8-1/2" 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.

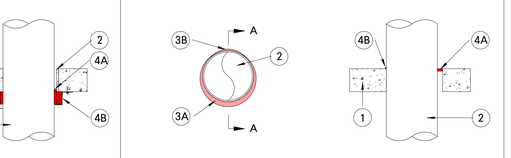


SECTION A-A

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

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

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 MATL 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

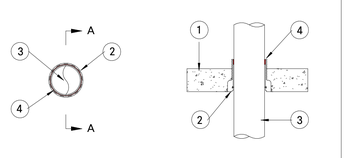


SECTION A-A

SINGLE UNINSULATED METAL PIPE THRU CONC OVER METAL FLOOR

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

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

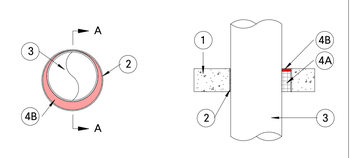


SECTION A-A

SINGLE NONMETALLIC PIPE THRU CONC FLOOR/WALL OR CMU WALL

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

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. PIPE MATL 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

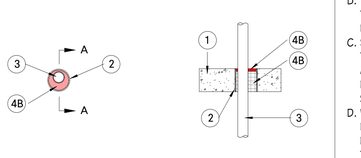


SECTION A-A

SINGLE NONMETALLIC PIPE THRU CONC FLOOR/WALL OR CMU WALL

A	C-AJ-2567
B	C-AJ-2736
C	C-AJ-2290

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".
4. ANNULAR SPACE: MIN. 0", MAX. 1-5/8".
5. 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

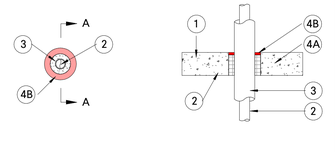


SECTION A-A

SINGLE NONMETALLIC PIPE THRU CONC FLOOR/WALL OR CMU WALL

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

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.

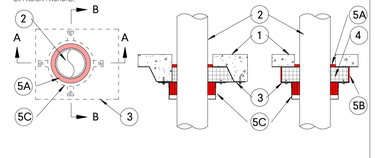


SECTION A-A

SINGLE NONMETALLIC PIPE THRU CONCRETE FLOOR OVER METAL DECK

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

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 MATL SHALL BE AS TESTED IN THIS ASSEMBLY. ANNULAR SPACE: MIN 0", MAX 1-1/2"
3. METAL PLATE - MIN 1/8 GA STEEL, ANCHORED TO BOTT. OF CONCRETE 4 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.

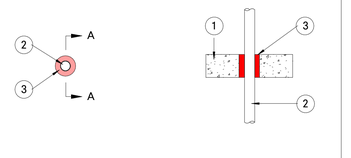


SECTION A-A SECTION B-B

SINGLE NONMETALLIC PIPE THRU CONCRETE FLOOR OVER METAL DECK

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

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.

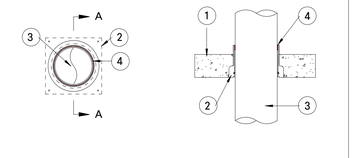


SECTION A-A

NONMETALLIC PIPE THRU CONCRETE FLOOR

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

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 MATL 4 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

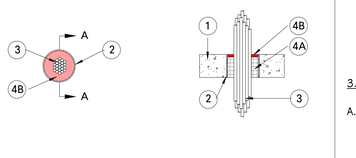


SECTION A-A

BUNDLED CABLE THRU CONC FLOOR/WALL OR CMU WALL

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

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.

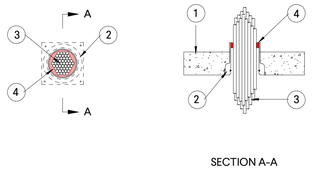


SECTION A-A

SINGLE OR BUNDLED CABLE THRU CONC OVER METAL FLOOR

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

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)

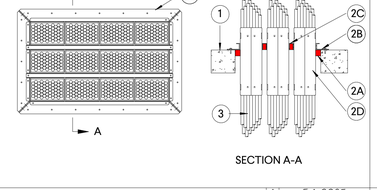


SECTION A-A

SINGLE OR BUNDLED CABLE THRU CONCRETE FLOOR

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

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 ERECTED 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)

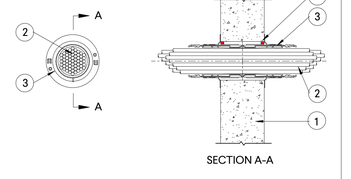


SECTION A-A

SINGLE OR BUNDLED CABLE THRU CONCRETE WALL

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

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.

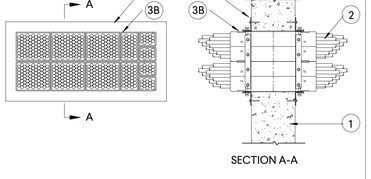


SECTION A-A

SINGLE OR BUNDLED CABLE THRU CONCRETE WALL

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

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 4 BOTTOM OF FLANGE. **B)** MODULAR RECTANGULAR STEEL FIRE SLEEVE DEVICE. ONE OR MORE DEVICES MAY BE GANGED TOGETHER. INSTALL PER MFGR'S INSTRUCTIONS.

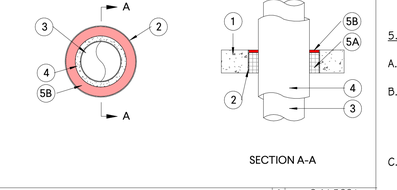


SECTION A-A

INSULATED METAL PIPE THRU CONC FLOOR/WALL OR CMU WALL

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

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.

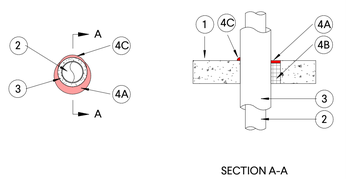


SECTION A-A

INSULATED METAL PIPE THRU CONC FLOOR/WALL OR CMU WALL

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

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. ABPVC 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

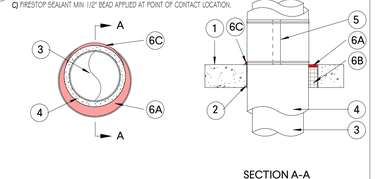


SECTION A-A

INSULATED METAL PIPE THRU CONC FLOOR/WALL OR CMU WALL

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

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. 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.

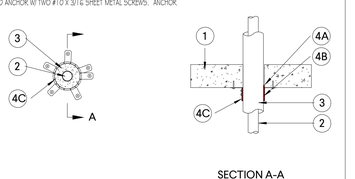


SECTION A-A

INSULATED NONMETALLIC PIPE THRU CONC FLOOR/WALL OR CMU WALL

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

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 - REQD ON PIPES 1" DIA OR SMALLER, NOM. 3/4" TH. ABPVC 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" DP. ANCHORS OR POWDER ACTUATED FASTENERS. OVERLAP COLLAR MIN. 1" AND ANCHOR W/ TWO #10 X 3/4 SHEET METAL SCREWS. ANCHOR

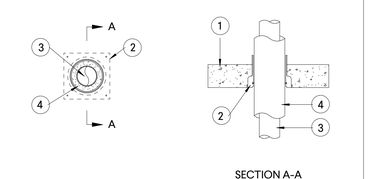


SECTION A-A

INSULATED METAL PIPE THRU CONCRETE FLOOR

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

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 17.6 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 12"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.

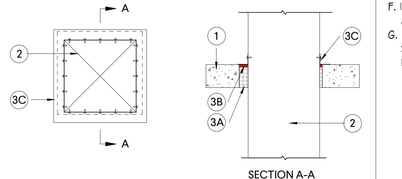


SECTION A-A

UNINSULATED HVAC DUCT THRU CONC FLOOR/WALL OR CMU WALL

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

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.

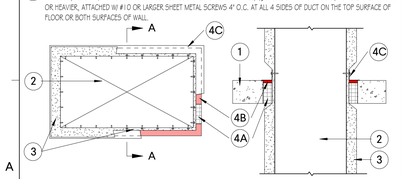


SECTION A-A

INSULATED HVAC DUCT THRU CMU/CONC WALL OR FLOOR

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

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 PENETRANG ITEMS AS TESTED IN THIS ASSEMBLY.
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.

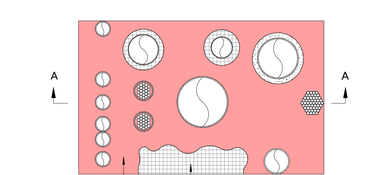


SECTION A-A

MULTIPLE PENETRATIONS THRU CONC FLOOR/WALL OR CMU WALL

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

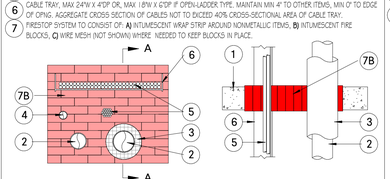
1. 2 HR FLOOR OR WALL ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR OR WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX AREA OF OPNG IS 1440 SQ.IN. W. MAX DIMENSION OF 48".
2. THRU PENETRANTS - ANY COMBINATION OF THE FOLLOWING: ONE CABLE TRAY OR ANY NUMBER OF METALLIC OR NONMETALLIC PIPES 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 PENETRANG 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

MULTIPLE PENETRATIONS THRU CONC FLOOR/WALL OR CMU WALL

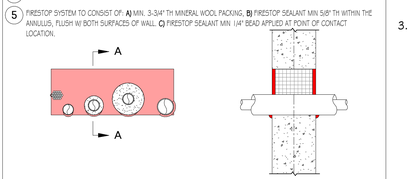
A	C-AJ-8207
B	C-AJ-8255
C	C-AJ-8338



SECTION A-A

MULTIPLE PENETRATIONS THRU CONC FLOOR/WALL OR CMU WALL

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



SECTION A-A

KEY TO MANUFACTURERS

A	HILTI
B	3M
C	STI

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:

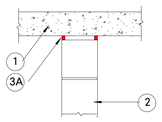
3. SLEEVING

A. THE FOLLOWING PENETRATIONS MUST BE SLEEVED:
   1. SINGLE ROUND PENETRATIONS IN RATED CMU WALLS
   2. INSULAT

1) FLOOR ASSEMBLY - MIN 2-1/2" TH REINFORCED 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

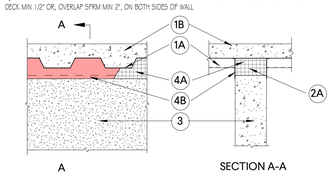
CONCRETE OR BLOCK WALL TO CONCRETE FLOOR ASSEMBLY W/APPLIED SEALANT JOINT		
	A	HW-D-0268
	B	HW-D-0169
	C	HW-D-0041

1) FLOOR ASSEMBLY - FIRE-RATED FLUTED DECK/CONCRETE ASSEMBLY (PER D700 OR D800 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



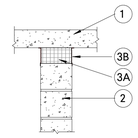
SECTION A-A

CONC. OR BLOCK WALL PERPENDICULAR TO CONCRETE OVER FLUTED METAL DECK (MAX. JW 3-1/2")		
	A	HW-D-1037
	B	HW-D-1123
	C	HW-D-1076

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".



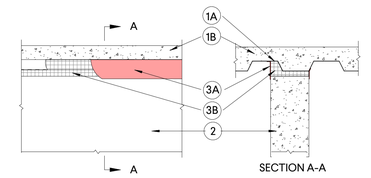
SECTION A-A

CONC. OR BLOCK WALL TO CONCRETE FLOOR (MAX. JW 3-1/4")		
	A	HW-D-1058
	B	HW-D-1010
	C	HW-D-1034

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 REINFORCED STRUCTURAL CONCRETE AS MEASURED FROM THE TOP PLANE OF THE FLUTES.

2) WALL ASSEMBLY - MIN 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.

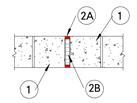


SECTION A-A

CONCRETE OR BLOCK WALL TO CONCRETE FLOOR ASSEMBLY W/ APPLIED SEALANT		
	A	HW-D-0296
	B	HW-D-0248
	C	HW-D-0140

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.



CONCRETE WALL TO WALL JOINT (MAX. JW 1")		
	A	WW-D-0032
	B	WW-D-0021
	C	WW-D-0103

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 04/03/2026
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CHECKED BY: TM

LBW CC - NAVY MIB WELDING - OPP BUILDING D
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467
ACCS 2025161 LBWCC
GMC # AMGM260016

JOINT FIRESTOPPING

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OCCUPANT LOAD BY ROOM AREA

ROOM NAME	ROOM/OCCUPANCY USE	SF/ PERSON	AREA	OCC. LOAD
ACCESSORY STORAGE, MECHANICAL EQUIP ROOM				
MECHANICAL	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	842 SF	3 SF
DATA	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	82 SF	0 SF
TOOL STORAGE	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	302 SF	1 SF
TOOL STORAGE	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	203 SF	1 SF
DATA	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	48 SF	0 SF
ELECTRICAL	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	213 SF	1 SF
JAN.	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	36 SF	0 SF
			1725 SF	6 SF
BUSINESS AREAS - IBC 2021				
OFFICE	BUSINESS AREAS - IBC 2021	100	121 SF	1 SF
OFFICE	BUSINESS AREAS - IBC 2021	100	126 SF	1 SF
OFFICE	BUSINESS AREAS - IBC 2021	100	119 SF	1 SF
OFFICE	BUSINESS AREAS - IBC 2021	100	119 SF	1 SF
			484 SF	5 SF
EDUCATIONAL - CLASSROOM				
CLASSROOM	EDUCATIONAL - CLASSROOM	20	433 SF	22 SF
CLASSROOM	EDUCATIONAL - CLASSROOM	20	550 SF	28 SF
			984 SF	49 SF
EDUCATIONAL - SHOP, VOCATIONAL				
WELDING	EDUCATIONAL - SHOP, VOCATIONAL	50	10648 SF	213 SF
WELDING ROBOT	EDUCATIONAL - SHOP, VOCATIONAL	50	300 SF	6 SF
			10948 SF	219 SF
NON-SIMULTANEOUS OCCUPANCY				
MENS RR	NON-SIMULTANEOUS OCCUPANCY	0	162 SF	
CORRIDOR	NON-SIMULTANEOUS OCCUPANCY	0	438 SF	
CORRIDOR	NON-SIMULTANEOUS OCCUPANCY	0	429 SF	
WOMENS RR	NON-SIMULTANEOUS OCCUPANCY	0	167 SF	
MENS RR	NON-SIMULTANEOUS OCCUPANCY	0	163 SF	
WOMENS RR	NON-SIMULTANEOUS OCCUPANCY	0	167 SF	
EYEWASH STAT.	NON-SIMULTANEOUS OCCUPANCY	0	1228 SF	
EYEWASH STAT.	NON-SIMULTANEOUS OCCUPANCY	0	15 SF	
			2769 SF	0 SF
			16910 SF	279 SF

TOTAL NET AREA AND OCCUPANT LOAD	**CLARIFICATION: NON-SIMULTANEOUS OCCUPANCY:** THE NOTATION "NON-SIMULTANEOUS OCCUPANCY" INDICATES AREAS IN WHICH THE OCCUPANT LOAD HAS ALREADY BEEN ACCOUNTED FOR ELSEWHERE. TYPICALLY THESE ARE AREAS USED ONLY BY STAFF PERSONNEL WHO HAVE BEEN ACCOUNTED FOR IN AT LEAST ONE OTHER ROOM OR AREA WITHIN THE FACILITY. SINCE STAFF PERSONNEL CAN NOT SIMULTANEOUSLY OCCUPY TWO PLACES AT THE SAME TIME, AREAS CITED AS "NON-SIMULTANEOUS OCCUPANCY" HAVE BEEN CALCULATED AT 0 SQ. FT. PER OCCUPANT IN ORDER TO AVOID DOUBLE-COUNTING.

OVERALL BUILDING AREA

LEVEL	AREA (GROSS SQUARE FEET)
1	16,962 GSF (BUSINESS)

APPLICABLE CODES & REGULATIONS

ACCS	CITY	
2021	2012	INTERNATIONAL BUILDING CODE (IBC)
2021	2012	INTERNATIONAL FUEL GAS CODE (IFGC)
2021	2012	INTERNATIONAL MECHANICAL CODE (IMC)
2021	2012	INTERNATIONAL PLUMBING CODE (IPC)
2021/24	2012	INTERNATIONAL FIRE CODE (IFC)
2020	2011	NATIONAL ELECTRICAL CODE (NEC)
2013	N/A	ANSI/ASHRAE/IESNA STANDARD 90.1
2010	N/A	STANDARDS FOR ACCESSIBLE DESIGN
ICC 500-2020	N/A	ICC/NSSA STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS
2019	N/A	NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE

OCCUPANCY CLASSIFICATION — IBC CH 3

OCCUPANCY	PRIMARY : (Business Group B)

CONSTRUCTION CLASSIFICATION — IBC CH 5

CONSTRUCTION TYPE	TYPE 11B - SPRINKLERED	
HEIGHT	ALLOWABLE: 55 FEET	ACTUAL: 12 FEET
# OF STORIES	ALLOWABLE: 2	ACTUAL: 1
HEIGHT MODIFICATIONS	EXEMPT PER IBC 2021 SECTION503.1.1	
AREA PER FLOOR	ALLOWABLE: B - 23,000/STORY	ACTUAL: 16,962
AREA MODIFICATIONS : PER IBC CH 5, BUILDING AREAS LIMITED BY TABLE 503 SHALL BE PERMITTED TO BE INCREASED DUE TO FRONTAGE AND AUTOMATIC SPRINKLER SYSTEM PROTECTION		
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 : IIB

	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 HR	UL #
BEARING WALLS			
EXTERIOR WALLS (RATING NOT LESS THAN CH 6 OR CH 7)	0 HR	0 HR	UL #
INTERIOR WALLS	0 HR	0 HR	UL #
NON BEARING WALLS AND PARTITIONS			
EXTERIOR WALLS (BASED ON FIRE SEPARATION DISTANCE PER CH 6)	0 HR	0 HR	UL #
NON BEARING WALLS AND PARTITIONS			
INTERIOR WALLS (RATING NOT LESS THAN REQUIRED BY SECTIONS OTHER THAN SECTION 6)	0 HR	0 HR	UL #
FLOOR CONSTRUCTION AND SECONDARY MEMBERS (PER CH 2)			
FLOOR CONSTRUCTION HAVING DIRECT CONNECTIONS TO THE COLUMNS	0 HR	0 HR	UL #
ROOF CONSTRUCTION AND SECONDARY MEMBERS (PER CH 2)			
ROOF CONSTRUCTION HAVING DIRECT CONNECTIONS TO THE COLUMNS	0 HR	0 HR	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	N/A	N/A	N/A
* 4 OR MORE STORIES	2 HR	N/A	N/A	N/A
FIRE WALLS	0	N/A	N/A	N/A
HORIZONTAL EXITS	0	N/A	N/A	N/A
EXIT PASSAGEWAYS	0	N/A	N/A	N/A
SMOKE BARRIERS	1 HR	60 MIN	1 HR	UL # U905
ACCESSORY / INCIDENTAL USE				
* FURNACE RM W/ 400,000 BTU/HR INPUT EQMT	1 HR	N/A	N/A	N/A
* REFRIGERANT MACHINERY RM	1 HR	60 MIN	1 HR	UL # U905
* HYDROGEN CUTOFF RM	1 HR	N/A	N/A	N/A
* LABS & VOCATIONAL SHOPS	1 HR	60 MIN	1 HR	UL # U905
* STATIONARY STORAGE BATTERY SYSTEMS	N/A	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	
DEAD END LENGTH	50 FT	
EGRESS OCCUPANTS (DESIGN LOAD)	LEVEL 1: CALCULATION VALUES — OCCUPANCY COUNT ACCESSORY STORAGE : 1725 SF — 6 BUSINESS AREA: 484 SF — 5 EDUCATIONAL CLASSROOM: 984 SF — 49 VOCATIONAL: 10948 SF — 219 AGGREGATE OCCUPANT LOAD = 279 OCCUPANTS	
STAIRWAY WIDTH	REQUIRED: N/A	PROVIDED: N/A
EGRESS WIDTH	REQUIRED: 0.2" PER OCCUPANT X OCCUPANTS = 56"	PROVIDED: 418"

PLUMBING FIXTURE TABULATIONS

OCCUPANCY	OCCUPANT LOAD (ACTUAL)	WC M	WC F	WC USX	LAV M	LAV F	LAV USX	BATH/ SHOWER	DRINKING FOUNTAINS	SVC SINKS
		ACTUAL LOAD CALCULATIONS								
B BUSINESS & KITCHEN	5 2.5 EA M F	.08	.08	-	.05	.05	-	-	.04	-
E (EDUCATIONAL)	268 136 EA M F	2.72	2.72	-	2.72	2.72	-	-	2.72	1
S (STORAGE/MECH/ELEC)	6 3 EA M F	.03	.03	-	.03	.03	-	-	.01	1
TOTAL REQUIRED		3.00	3.00	-	3.00	3.00	-	-	3.00	1
TOTAL PROVIDED		6.00	6.00	-	4.00	4.00	-	-	4.00	1

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ISSUE DATE 06/02/2026
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DRAWN BY: TM/MC
CHECKED BY: TM

LBW CC - NAVY MIB WELDING - OPP BUILDING D
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

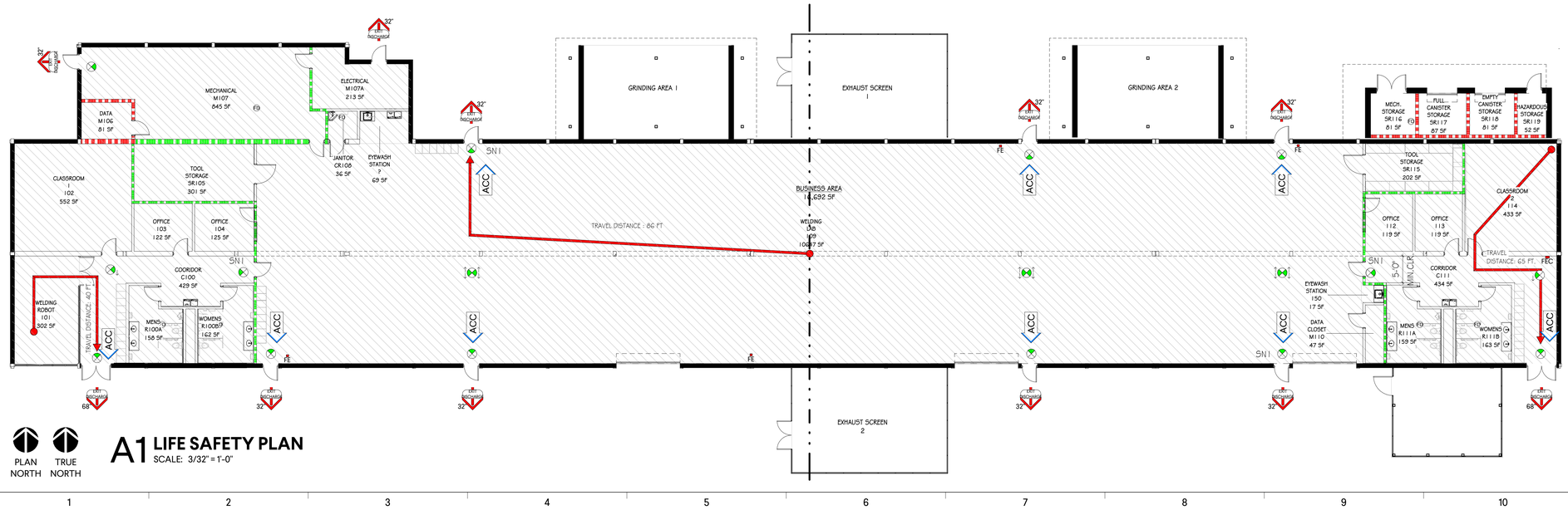
ACCS 2025161 LBWCC
GMC # AMGM260016

STATE OF ALABAMA
F.E. LYNN, JR.
3645
REGISTERED ARCHITECT

06/02/2026

LIFE SAFETY - CODE ANALYSIS

G2.00



PLAN NORTH / TRUE NORTH

A1 LIFE SAFETY PLAN
SCALE: 3/32" = 1'-0"

LIFE SAFETY SIGNAGE LEGEND

ACC	ADA ACCESSIBLE ROUTE
5N1	EMERGENCY EVACUATION MAP SIGNAGE
5N2	DOOR WITH MANUAL CLOSURE SIGNAGE
5N3	OCCUPANCY COUNT SIGNAGE
AID	FIRST AID KIT

PLAN LEGEND

FE	FIRE EXTINGUISHER
FHC	FIRE HOSE CONNECTION
FEC	FIRE EXTINGUISHER CABINET
MS	FIRE ALARM MANUAL PULL STATION
FH	FIRE ALARM HORN
FS	FIRE ALARM STROBE
FHS	FIRE ALARM HORN/STROBE
FHS	FIRE ALARM HORN/STROBE-CEILING MT
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FAP	FIRE ALARM PANEL /SUBPANEL
	ILLUMINATED EXIT SIGN
60" EXIT DISCHARGE	EXIT DISCHARGE W/ CLEAR EXIT WIDTH (EXIT AND EXIT ACCESS SYMBOLS SIMILAR)
	DISTANCE OF TRAVEL
	1 - HR FIRE BARRIER
	2 - HR FIRE BARRIER

GMC

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ISSUE	DATE
BID SET	06/02/2026

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LBW CC - NAVY MIB WELDING - OPP BUILDING D
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025 161 LBWCC
GMC # AMGM260016

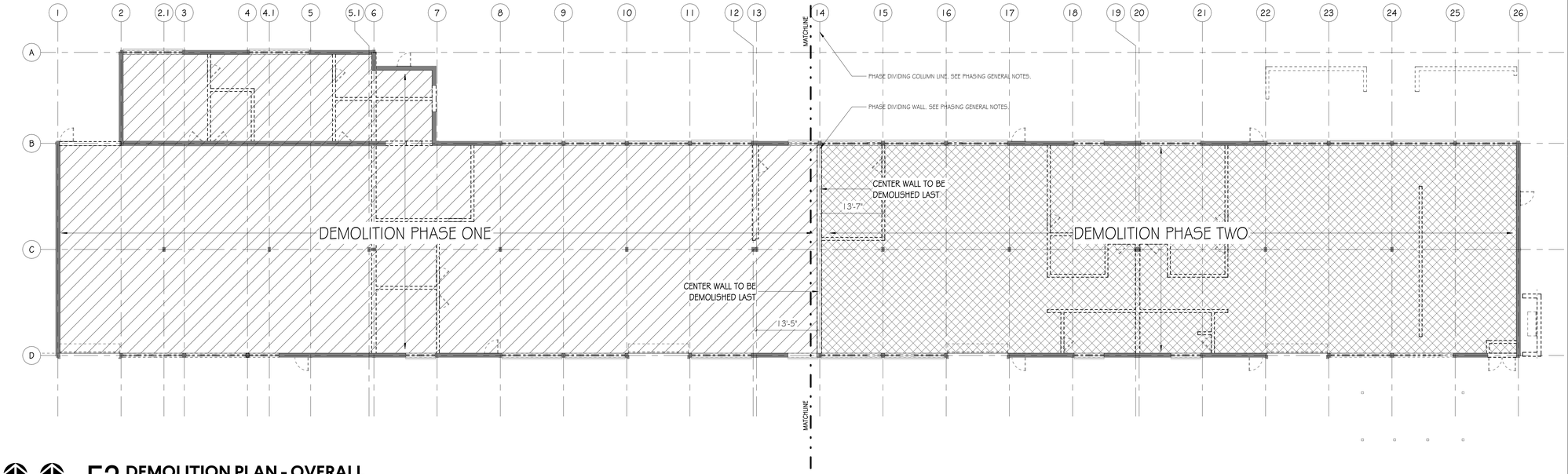
STATE OF ALABAMA · F.E. LYNN, JR. · 3645 · REGISTERED ARCHITECT

06/02/2026

LIFE SAFETY PLAN - LEVEL 1

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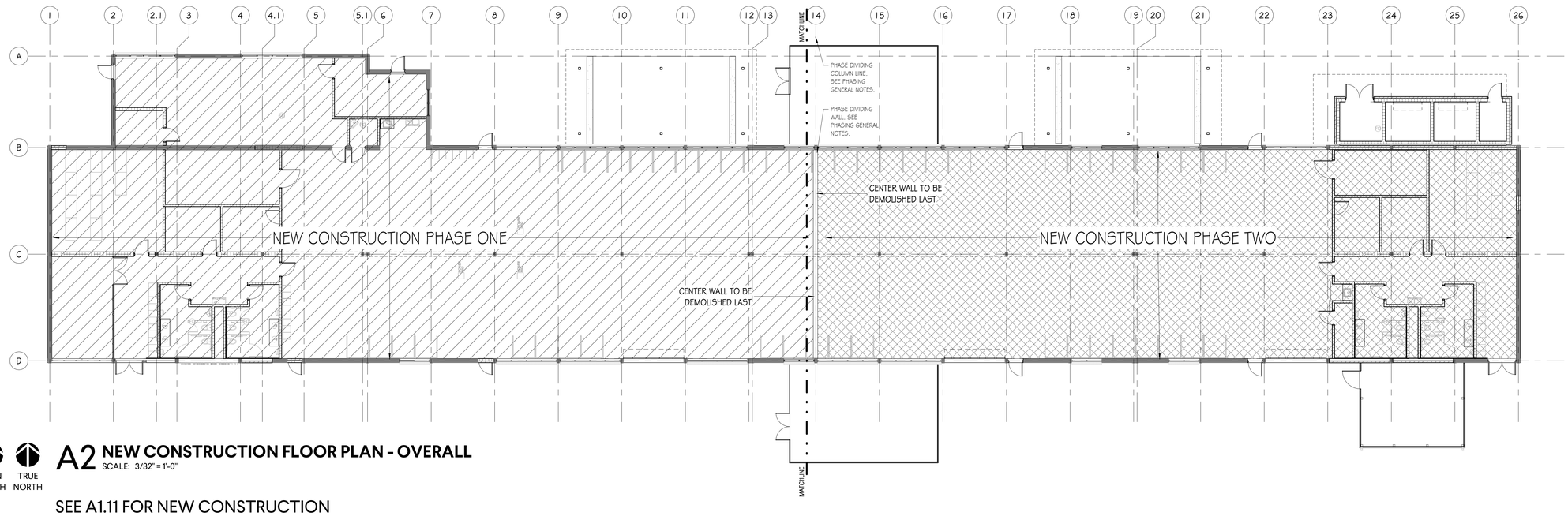


PLAN NORTH TRUE NORTH

E2 DEMOLITION PLAN - OVERALL

SCALE: 3/32" = 1'-0"

SEE A0.20 FOR DEMOLITION PHASING PLAN AND DEMOLITION KEYNOTES



PLAN NORTH TRUE NORTH

A2 NEW CONSTRUCTION FLOOR PLAN - OVERALL

SCALE: 3/32" = 1'-0"

SEE A1.11 FOR NEW CONSTRUCTION PHASING PLAN AND KEYNOTES

PHASING LEGEND

PHASE 1

PHASE 2

PHASING GENERAL NOTES:

1. COORDINATE ALL DEMO AND NEW CONSTRUCTION IN APPROPRIATE PHASES BY REFERRING TO SPECIFICATIONS AND M, P, E, FP & S DOCUMENTS.
2. PHASE DIVIDING WALL: LOCATED AT COLUMN LINE #14.
3. COORDINATE UTILITIES IN PHASE 1 FEEDING PHASE 2 TO REMAIN ACTIVE WITHOUT INTERRUPTION TO PHASE 2 AREA WHILE IN OPERATION.
4. COORDINATE UTILITIES IN PHASE 2 FEEDING PHASE 1 TO REMAIN ACTIVE WITHOUT INTERRUPTION TO PHASE 1 AREA WHILE IN OPERATION.
5. MAINTAIN BLOCK / SUPPORT, AND / OR REINFORCE PHASE DIVIDING WALL AS NEEDED / REQUIRED.
6. PHASE DIVIDING WALL TO REMAIN UNTIL PHASE 2 IS COMPLETE. COORDINATE ALL TRADES TO MAKE REQUIRED PENETRATIONS THRU DIVIDING WALL AS NECESSARY, AND PROTECT PENETRATIONS FROM NOISE, LIGHT & DEBRIS CONTROL.
7. G.C. TO COORDINATE AND PROVIDE A SCHEDULE TO THE OWNER FOR THE PHASING CHANGE TIMES AND DATES.
8. NOTIFY ARCHITECT IF TRANSITION TIME TO MOVE INTO NEXT PHASE EXCEEDS ONE WEEK.
9. G.C. TO COORDINATE WORK PHASES AND CONSTRUCTION / INSTALL SCHEDULES WITH OWNER FOR NON INTERFERENCE WITH OCCUPIED PHASES AND CLASS SCHEDULES.

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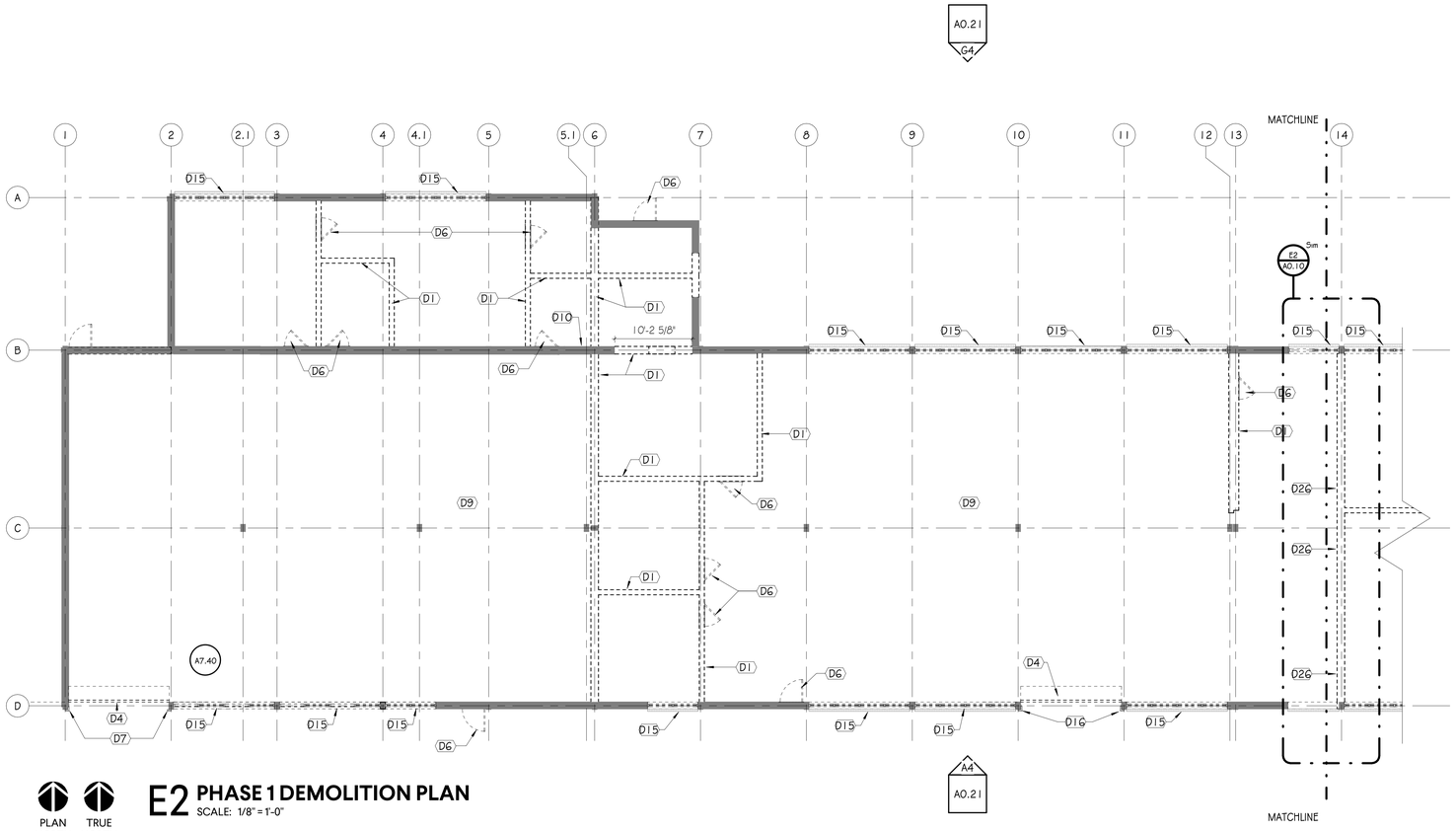
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OVERALL PHASING FLOOR PLANS

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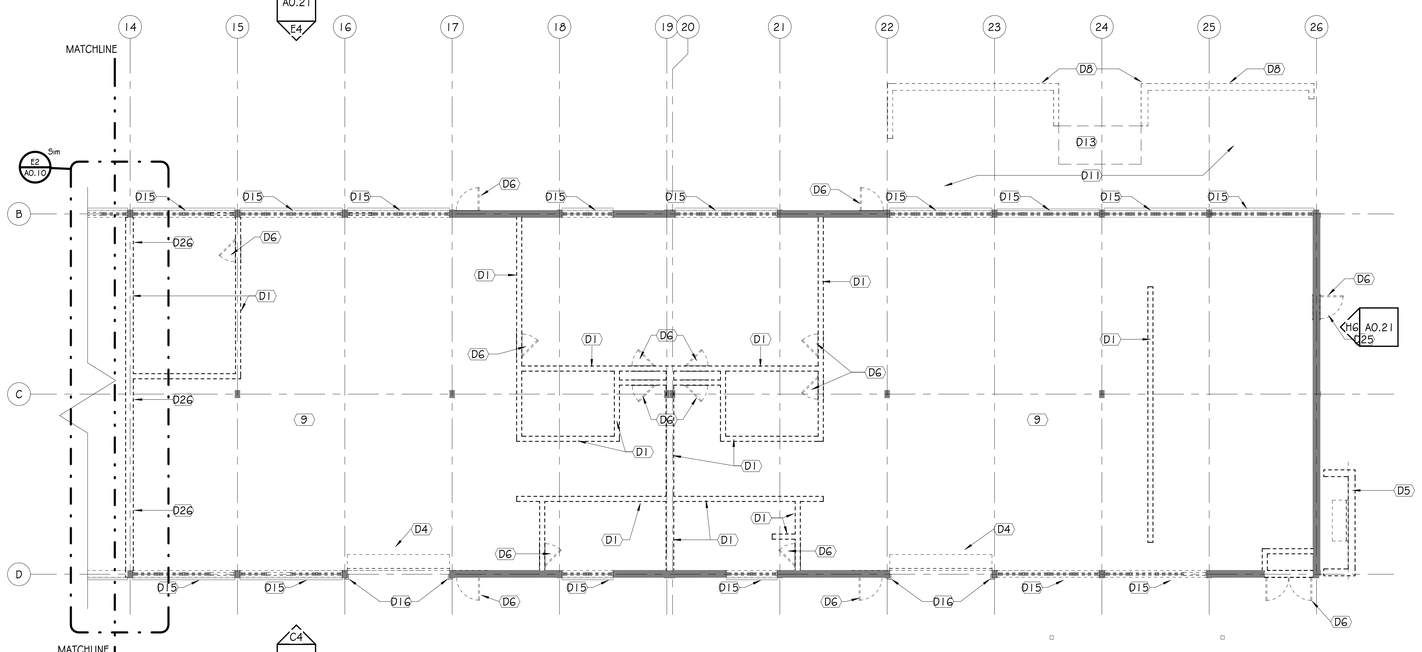
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E2 PHASE 1 DEMOLITION PLAN

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

PLAN NORTH TRUE NORTH



A2 PHASE 2 DEMOLITION PLAN

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

PLAN NORTH TRUE NORTH

KEY NOTES - DEMOLITION

KEY	KEYNOTE
D1	DEMO INTERIOR WALLS IN THEIR ENTIRETY UNLESS NOTED OTHERWISE.
D4	DEMO OVERHEAD COILING DOOR AND ITS HARDWARE AND ACCESSORIES. PREP FOR NEW WORK.
D5	DEMO EXISTING MASONRY WALL.PREP FOR NEW WORK.
D6	DEMO EXISTING STOREFRONT/DOOR AND FRAME IN ITS ENTIRETY. PREP FOR NEW WORK.
D7	REMOVE VEHICLE BUMPERS AT EXISTING OVERHEAD COILING DOOR OPENING. RESTORE THE INTEGRITY OF EXISTING TO REMAIN WALL AND PRECAST COLUMNS. PREP FLOOR SLAB FOR NEW WORK.
D8	DEMO EXISTING MASONRY SCREEN WALL. PREP FOR NEW WORK.
D9	GRIND DOWN CONCRETE FLOOR SLAB IN ITS ENTIRETY. PREP FOR NEW WORK.
D10	DEMO INTERIOR WALL, PREP FOR NEW WORK.
D11	DEMO EXISTING CONCRETE PADS. PREP FOR NEW WORK.
D13	REMOVE EXISTING TRANSFORMER. DEMO EXISTING CONCRETE PAD. PREP FOR NEW WORK. SEE ELECTRICAL.
D15	DEMO EXISTING WINDOW AND FRAME IN ITS ENTIRETY. PREP FOR NEW WORK.
D16	REPAIR AND REPAINT ALL VEHICLE BUMPERS AT EXISTING OVERHEAD COILING DOOR OPENINGS.
D25	DOOR TO BE DEMOED COMPLETELY. INFILL OPENING WITH WALL BACKING (PER WALL TYPE)) AND BRICK SALVAGED FROM ADJACENT EXISTING STORAGE DEMOLITION.
D26	CONTRACTOR TO COORDINATE AND PROVIDE TEMPORARY BARRIER TO SEPARATE AND PROTECT BUILDING DURING PHASED DEMOLITION.

GENERAL NOTES - DEMOLITION PLAN

1. PREPARE FOR NEW WORK. PROTECT ALL SURFACES AND FINISHES TO REMAIN DURING DEMOLITION AND CONSTRUCTION. DAMAGED ITEMS WILL BE REPLACED AT THE COST OF THE CONTRACTOR.
2. EXISTING WALL OR PORTION OF EXISTING WALL CONSTRUCTION TO BE REMOVED. COORDINATE EXACT LOCATION WITH NEW FLOOR PLAN. PATCH/REPAIR/PREPARE/AND ADJACENT WALLS AS REQUIRED.
3. DEMO ALL UNUSED INTERIOR AND EXTERIOR ITEMS (CONDUITS, PIPES, FASTENERS, ETC.)
4. DEMO AND REPLACE ALL CRACKED AND BROKEN SIDEWALK AROUND SITE. RE: CIVIL
5. COORDINATE PHASES OF DEMOLITION WITH OTHER DISCIPLINES SCOPE OF WORK. CONTRACTOR TO PROVIDE A TEMPORARY BARRIER TO SEPARATE BUILDING DURING PHASED DEMOLITION.
6. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, AND FIELD CONDITIONS PRIOR TO PROCEEDING.
7. ENSURE PROTECTION OF EXTERIOR BRICK DURING DEMO OF EXISTING SITE WORK.
8. REPAIR AND REPAINT EXISTING PRE-CAST COLUMNS AND BEAMS.
9. RE-POINT EXTERIOR BRICK AS NEEDED. PRESSURE WASH EXISTING BRICK VENEER.
10. ALL ABANDONED OR UNUSED ROOF PENETRATIONS IN THE ROOF AND EXTERIOR WALL ASSEMBLIES SHALL BE PROPERLY INFILL, SEALED, AND INSULATED, TO MAINTAIN THE CONTINUITY OF THE BUILDING ENVELOPE AND MEET MINIMUM REQUIRED R VALUES AS PER APPLICABLE BUILDING CODE.
11. ALL INTERIOR CONDUIT IS TO BE REMOVED PER ELECTRICAL DEMO DRAWINGS.

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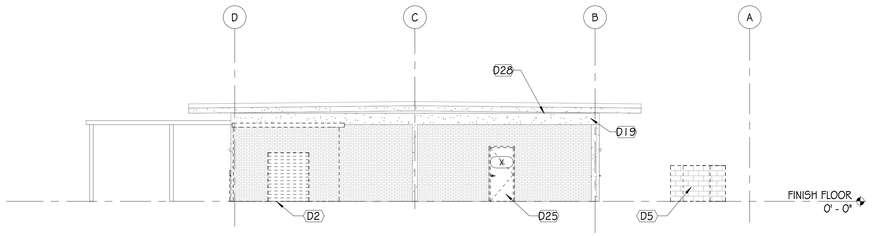
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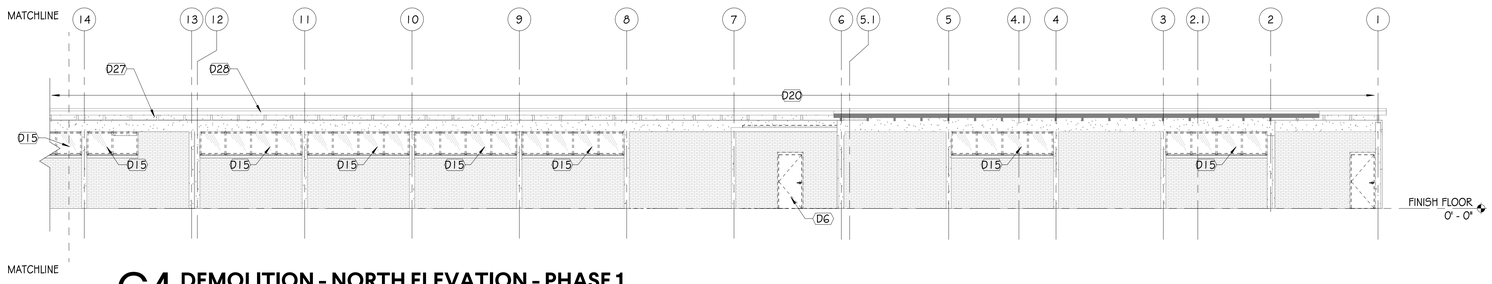
DEMOLITION PLAN

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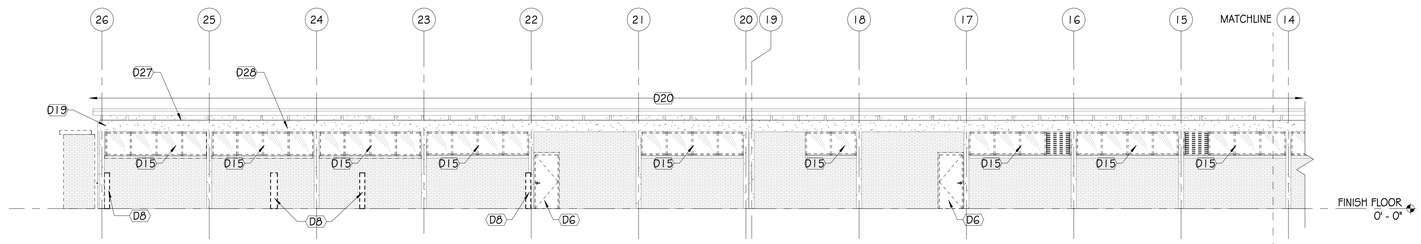
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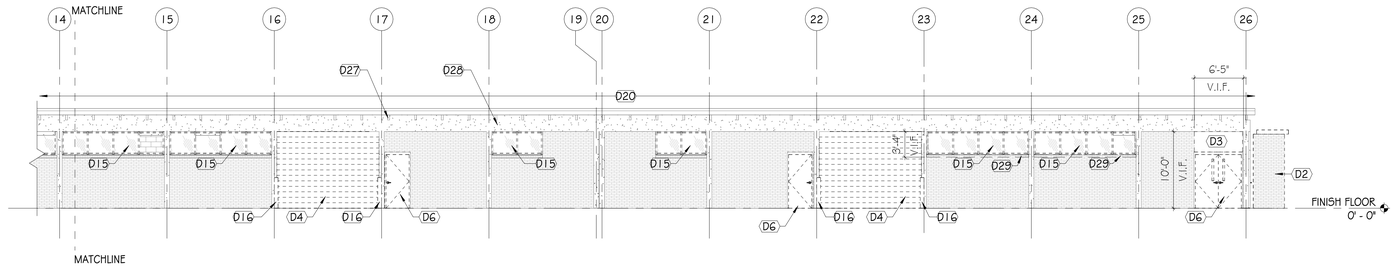
H6 DEMOLITION - EAST ELEVATION - PHASE 2
SCALE: 1/8" = 1'-0"



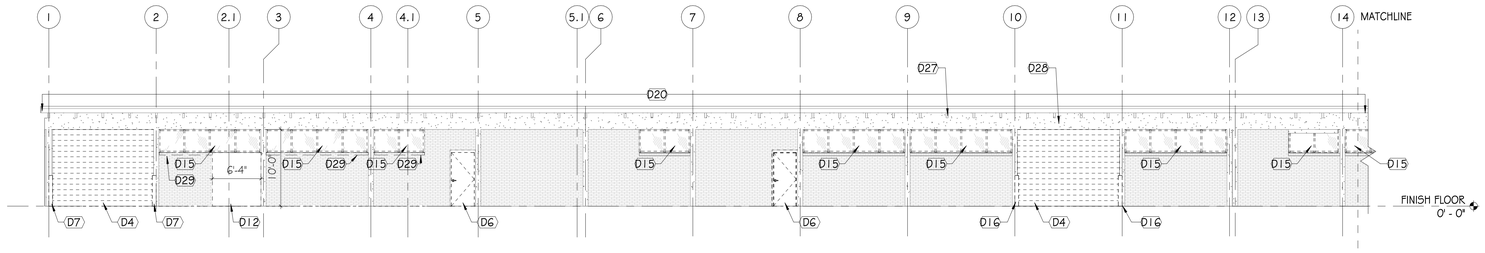
G4 DEMOLITION - NORTH ELEVATION - PHASE 1
SCALE: 1/8" = 1'-0"



E4 DEMOLITION - NORTH ELEVATION - PHASE 2
SCALE: 1/8" = 1'-0"



C4 DEMOLITION - SOUTH ELEVATION - PHASE 2
SCALE: 1/8" = 1'-0"

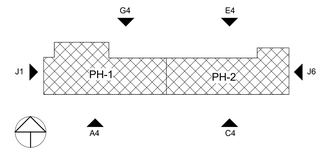


A4 DEMOLITION - SOUTH ELEVATION - PHASE 1
SCALE: 1/8" = 1'-0"

KEY NOTES - DEMOLITION

KEY	KEYNOTE
D2	DEMO EXISTING OUTSIDE STORAGE AND FLOOR SLAB IN ITS ENTIRETY. PREP FOR NEW WORK.
D3	DEMO PORTION OF WALL ABOVE OPENING. PREP FOR NEW WORK
D4	DEMO OVERHEAD COILING DOOR AND ITS HARDWARE AND ACCESSORIES. PREP FOR NEW WORK.
D5	DEMO EXISTING MASONRY WALL.PREP FOR NEW WORK.
D6	DEMO EXISTING STOREFRONT/DOOR AND FRAME IN ITS ENTIRETY. PREP FOR NEW WORK.
D7	REMOVE VEHICLE BUMPERS AT EXISTING OVERHEAD COILING DOOR OPENING. RESTORE THE INTEGRITY OF EXISTING TO REMAIN WALL AND PRECAST COLUMNS. PREP FLOOR SLAB FOR NEW WORK.
D8	DEMO EXISTING MASONRY SCREEN WALL. PREP FOR NEW WORK.
D12	DEMO PORTION OF WALL BELOW WINDOW OPENING
D15	DEMO EXISTING WINDOW AND FRAME IN ITS ENTIRETY. PREP FOR NEW WORK.
D16	REPAIR AND REPAINT ALL VEHICLE BUMPERS AT EXISTING OVERHEAD COILING DOOR OPENINGS.
D19	REMOVE EXISTING SECURITY CAMERAS. CONTRACTOR TO REMOVE, STORE AND REINSTALL AT NEW BUILDING STORAGE ADDITION.
D20	CLEAN, REPAIR AND REPAINT EXISTING EXTERIOR SOFFIT, TYP.
D25	DOOR TO BE DEMOED COMPLETELY. INFILL OPENING WITH WALL BACKING (PER WALL TYPE)) AND BRICK SALVAGED FROM ADJACENT EXISTING STORAGE DEMOLITION.
D27	AND REPAINT AT PRECAST "DOUBLE TEE" BEAMS AND RESEAL AT JOINTS, TYP.
D28	REPAIR AND REPAINT AT ROOF OVERHANG SOFFIT AND RESEAL AT JOINTS (FOR ALL DAMAGED CONDITIONS).
D29	DEMO EXISTING BRICK SILL PEICE.PREP FOR NEW WORK

KEYPLAN



GENERAL NOTES - DEMOLITION PLAN

1. PREPARE FOR NEW WORK. PROTECT ALL SURFACES AND FINISHES TO REMAIN DURING DEMOLITION AND CONSTRUCTION. DAMAGED ITEMS WILL BE REPLACED AT THE COST OF THE CONTRACTOR.
2. EXISTING WALL OR PORTION OF EXISTING WALL CONSTRUCTION TO BE REMOVED. COORDINATE EXACT LOCATION WITH NEW FLOOR PLAN. PATCH/REPAIR/PREPARE/AND ADJACENT WALLS AS REQUIRED.
3. DEMO ALL UNUSED INTERIOR AND EXTERIOR ITEMS (CONDUITS, PIPES, FASTENERS, ETC.)
4. DEMO AND REPLACE ALL CRACKED AND BROKEN SIDEWALK AROUND SITE. RE: CIVIL
5. COORDINATE PHASES OF DEMOLITION WITH OTHER DISCIPLINES SCOPE OF WORK. CONTRACTOR TO PROVIDE A TEMPORARY BARRIER TO SEPARATE BUILDING DURING PHASED DEMOLITION.
6. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, AND FIELD CONDITIONS PRIOR TO PROCEEDING.
7. ENSURE PROTECTION OF EXTERIOR BRICK DURING DEMO OF EXISTING SITE WORK.
8. REPAIR AND REPAINT EXISTING PRE-CAST COLUMNS AND BEAMS.
9. RE-POINT EXTERIOR BRICK AS NEEDED. PRESSURE WASH EXISTING BRICK VENEER.
10. ALL ABANDONED OR UNUSED ROOF PENETRATIONS IN THE ROOF AND EXTERIOR WALL ASSEMBLIES SHALL BE PROPERLY INFILL, SEALED, AND INSULATED, TO MAINTAIN THE CONTINUITY OF THE BUILDING ENVELOPE AND MEET MINIMUM REQUIRED R VALUES AS PER APPLICABLE BUILDING CODE..
11. ALL INTERIOR CONDUIT IS TO BE REMOVED PER ELECTRICAL DEMO DRAWINGS.

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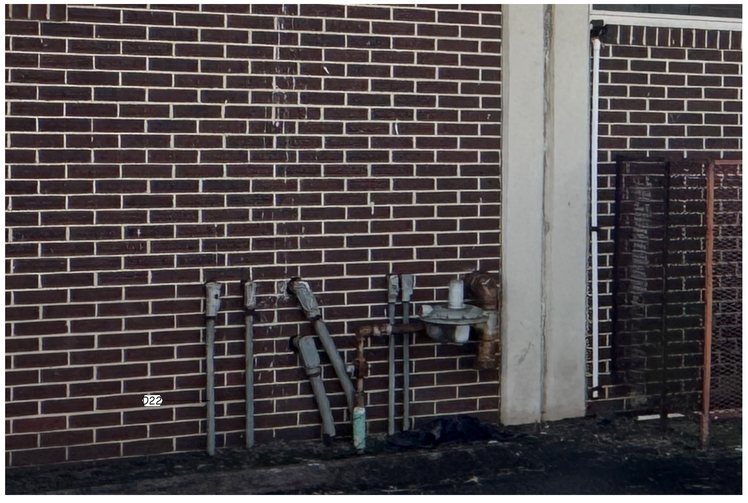
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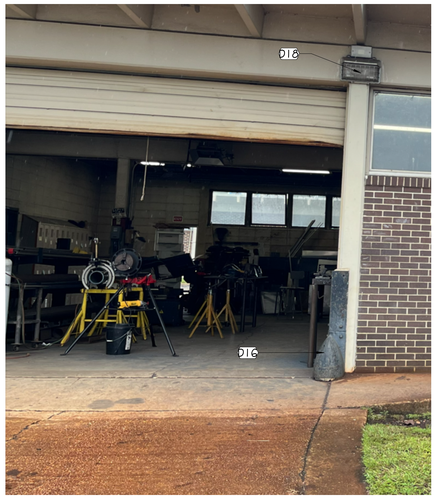
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KEY NOTES - DEMOLITION	
KEY	KEYNOTE
D4	DEMO OVERHEAD COILING DOOR AND ITS HARDWARE AND ACCESSORIES. PREP FOR NEW WORK.
D15	DEMO EXISTING WINDOW AND FRAME IN ITS ENTIRETY. PREP FOR NEW WORK.
D16	REPAIR AND REPAINT ALL VEHICLE BUMPERS AT EXISTING OVERHEAD COILING DOOR OPENINGS.
D17	REMOVE AND RELOCATE POWER LINE. REPAIR ROOFING ONCE POWERLINE IS REMOVED.
D18	WALL PACKS TO BE REMOVED AND REPLACED IN SAME LOCATION, TYP.
D19	REMOVE EXISTING SECURITY CAMERAS. CONTRACTOR TO REMOVE, STORE AND REINSTALL AT NEW BUILDING STORAGE ADDITION.
D21	REMOVE UNUSED EXISTING WALL FIXTURES AND SIGNAGE, TYP.
D22	DEMO UNUSED EXISTING CONDUIT AND PIPING AND MECHANICAL UNITS. REPAIR ANY DAMAGES TO EXISTING STRUCTURE CAUSED DEMOLITION
D23	CONTRACTOR SHALL CAP, AND SEAL UNUSED PENETRATIONS IN THE ROOF AND ROOF DECKING.
D24	REMOVE EXISTING VEHICLE STOPS, TYP. REPAIR ANY DAMAGES CAUSED TO EXISTING PAVEMENT DUE TO REMOVAL.
D27	AND REPAINT AT PRECAST "DOUBLE TEE" BEAMS AND RESEAL AT JOINTS, TYP.
D28	REPAIR AND REPAINT AT ROOF OVERHANG SOFFIT AND RESEAL AT JOINTS (FOR ALL DAMAGED CONDITIONS).















GENERAL NOTES - DEMOLITION PLAN

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3. DEMO ALL UNUSED INTERIOR AND EXTERIOR ITEMS (CONDUITS, PIPES, FASTENERS, ETC.)
4. DEMO AND REPLACE ALL CRACKED AND BROKEN SIDEWALK AROUND SITE. RE: CIVIL
5. COORDINATE PHASES OF DEMOLITION WITH OTHER DISCIPLINES SCOPE OF WORK. CONTRACTOR TO PROVIDE A TEMPORARY BARRIER TO SEPARATE BUILDING DURING PHASED DEMOLITION.
6. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN DRAWINGS, SPECIFICATIONS, AND FIELD CONDITIONS PRIOR TO PROCEEDING.
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11. ALL INTERIOR CONDUIT IS TO BE REMOVED PER ELECTRICAL DEMO DRAWINGS.

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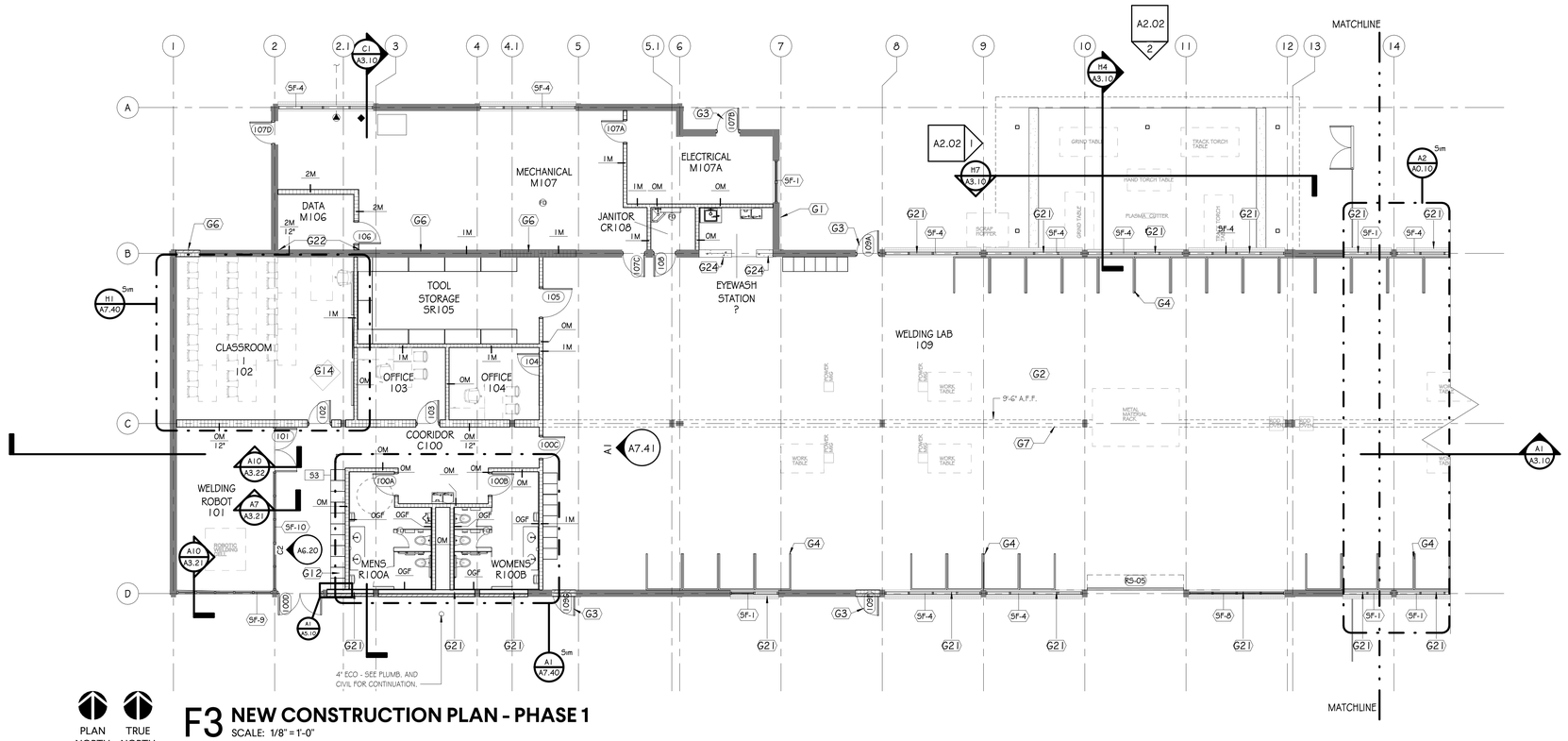
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DEMOLITION - EXISTING PHOTOS

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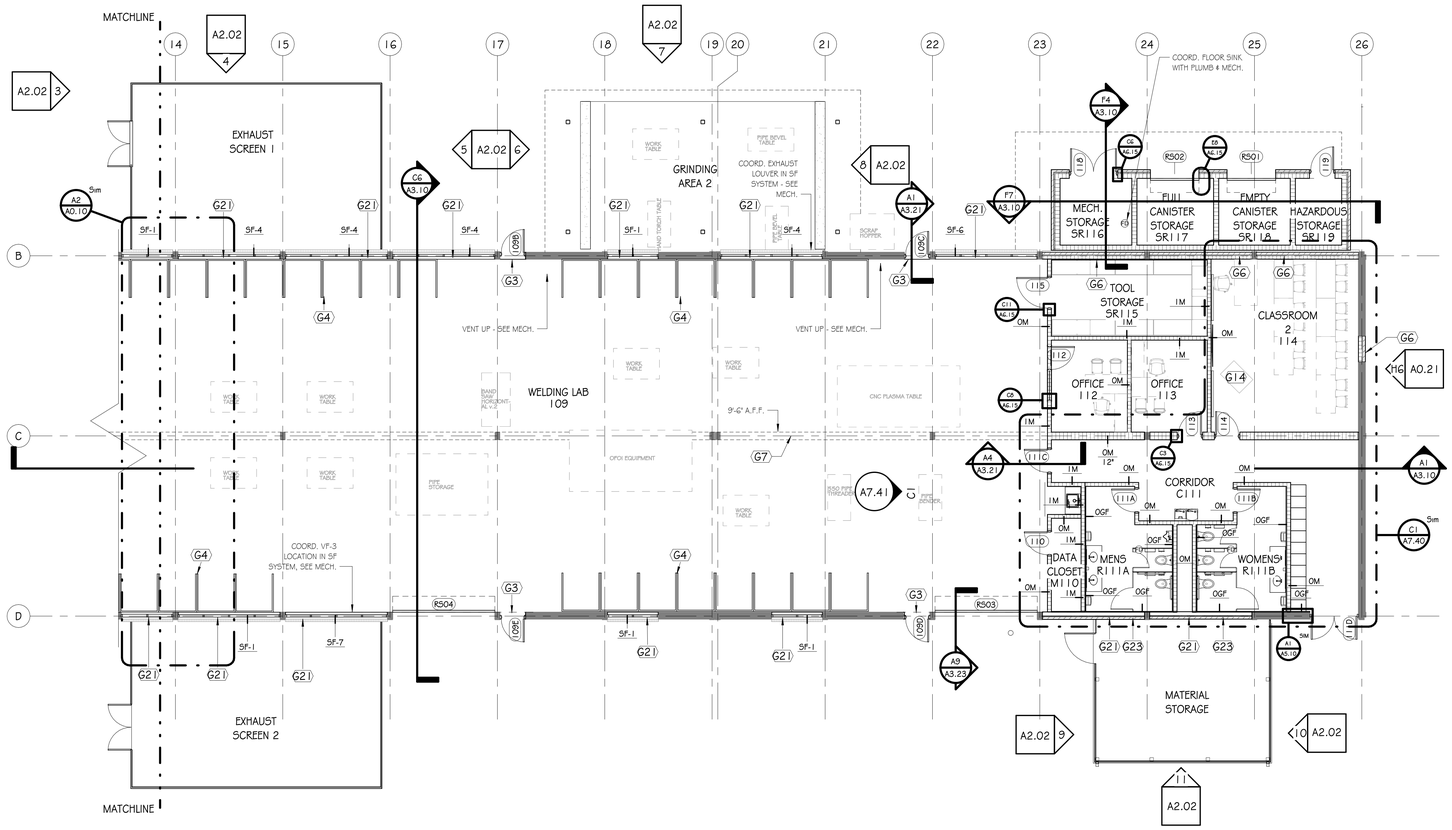
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PLAN NORTH TRUE NORTH

F3 NEW CONSTRUCTION PLAN - PHASE 1

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



PLAN NORTH TRUE NORTH

A4 NEW CONSTRUCTION PLAN - PHASE 2

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

KEY NOTES - GENERAL CONSTRUCTION

KEY	KEYNOTE
G1	ENCLOSE OPENING. INFILL WALL WITH FLUID APPLIED WATERPROOFING ON EXTERIOR FACE OF CMU. FINISH EXTERIOR FACE AS SCHEDULED.
G2	PREPARE EXISTING CONCRETE SLAB BY SHOT BLASTING OR GRINDING TO ACHIEVE A CLEAN SURFACE PROFILE. REMOVE ALL GREASE, DIRT AND SURFACE MATERIAL. ROUT AND FILL CRACKS 1/8" OR LARGER WITH INDUSTRUIAL GRADE EPOXY (MATCH EXISTING). REPAIR SPALLED &/OR DETERIOTATE AREAS WITH HIG-STRENGTH EPOXY MORTAR OR APPROVED PATCHING COMPOUND.
G3	NEW DOOR, FRAME AND HARDWARE. REPLACE EXISTING LINTEL AS NEEDED
G4	WELDING BOOTH . RE: SHEET A8.10 EQUIPMENT SPECIFICATION
G5	REPAIR DOOR FRAME AND BOTTOM OF DOOR HARDWARE AS NEEDED. REPAINT DOOR. RE CAULK AROUND DOOR FRAME.
G6	INFILL WALL WITH NEW CMU WALL TO MATCH EXISTING. ALIGN WITH ADJACENT WALL ASSEMBLY.
G7	EXISTING MAIN RIDGE BEAM
G12	1'-0" X 1'-0" LOCKERS DOUBLE STACK REFER TO SPECS.
G14	LECTERN PROVIDE POWER AND CONTROL ACCESS TO AV EQUIPMNET, RE: ELEC.
G21	FIELD VERIFY EXISTING OPENINGS.
G22	EXISTING CMU WALL SHALL INCORPORATE COMPONENTS FOR A 2HR RATED FIRE ASSEMBLY.
G23	INFILL WALL NEW STUD WALL AND BRICK VENEER AT EXISTING OPENING SEE WALL SECTION
G24	INFILL WITH NEW CONCRETE TO BE LEVELED/FLUSHED WITH EXISTING CONCRETE SLAB

OWNER EQUIPMENT NOTES:

- OWNER PROVIDED, OWNER INSTALLED EQUIPMENT

GENERAL NOTES - FLOOR PLAN

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS AND LOCATIONS PRIOR TO BID.
2. FIELD VERIFY (F.V.) ALL EXISTING OPENINGS WETHER THEY ARE TO BE INFILL FOR NEW CONSTRUCTION AND/OR THEY WILL RECEIVE NEW ENTRY/DOOR SYSTEMS AND/OR STORE FRONT SYSTEMS.
3. DIMENSIONS MEASURED FROM FACE OF FINISH FOR ALL EXISTING WALLS.
4. CONTRACTOR TO PROVIDE IN WALL BLOCKING AS REQUIRED FOR ALL WALL MOUNTED ITEMS.
5. NEW WALLS ADJOINING EXISTING WALLS OR COLUMNS SHALL BE CONSTRUCTED TO PROVIDE A FLUSH AND SEAMLESS INTERSECTION AND COORDINATE WITH FINISH SCHEDULE.
6. IN AREAS WHERE CONSTRUCTION IS TO OCCUR, CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT ALL EXISTING ITEMS TO REMAIN. DAMAGED ITEMS WILL BE REPLACED AT THE COST OF THE CONTRACTOR.
7. EXISTING WALLS AND FLOORS DAMAGED DURING CONSTRUCTION SHALL BE PATCHED, REPAIRED, OR REPLACED TO MATCH ADJACENT SURFACES AT THE COST OF THE CONTRACTOR.
8. NOTIFY ARCHITECT IF DIMENSIONS VARY BY MORE THAN 2".
9. REFER TO ELECTRICAL PLANS FOR POWER OUTLETS, LIGHTS, AND OTHER POWER ITEMS THAT ARE TO BE ON EMERGENCY BACK UP POWER.
10. CLEAN, PREP, AND PATCH ALL EXISTING WALLS TO RECEIVE NEW SCHEDULED FINISHES FOR SEAMLESS FINISH.
11. DASHED FURNITURE N.I.C - SHOWN FOR REFERENCE ONLY.
12. PROVIDE WINDOW SHADES AS SCHEDULED AT ALL CLASSROOMS AND OFFICE WINDOWS.
13. REPLACE EXISTING GLAZING AND WINDOW FRAMES AT ALL LOCATIONS WITH FIXED STOREFRONT FRAMING AND GLAZING. PROVIDE NEW SEALANT AS SPECIFIED TO PROVIDE WATERTIGHT INSTALLATION.

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NEW CONSTRUCTION FLOOR PLANS

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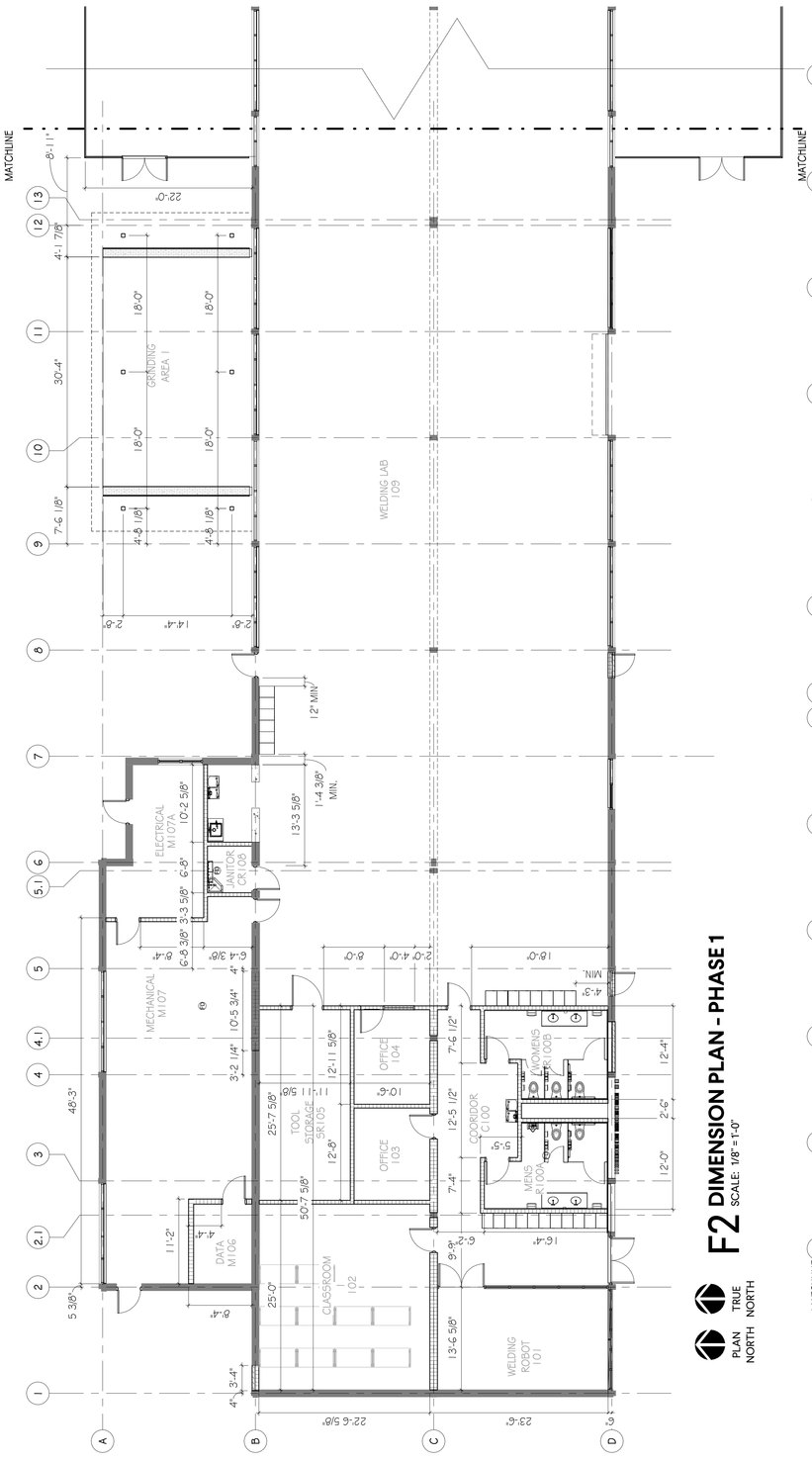
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ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025 161 LBWCC
GMC # AMGM260016



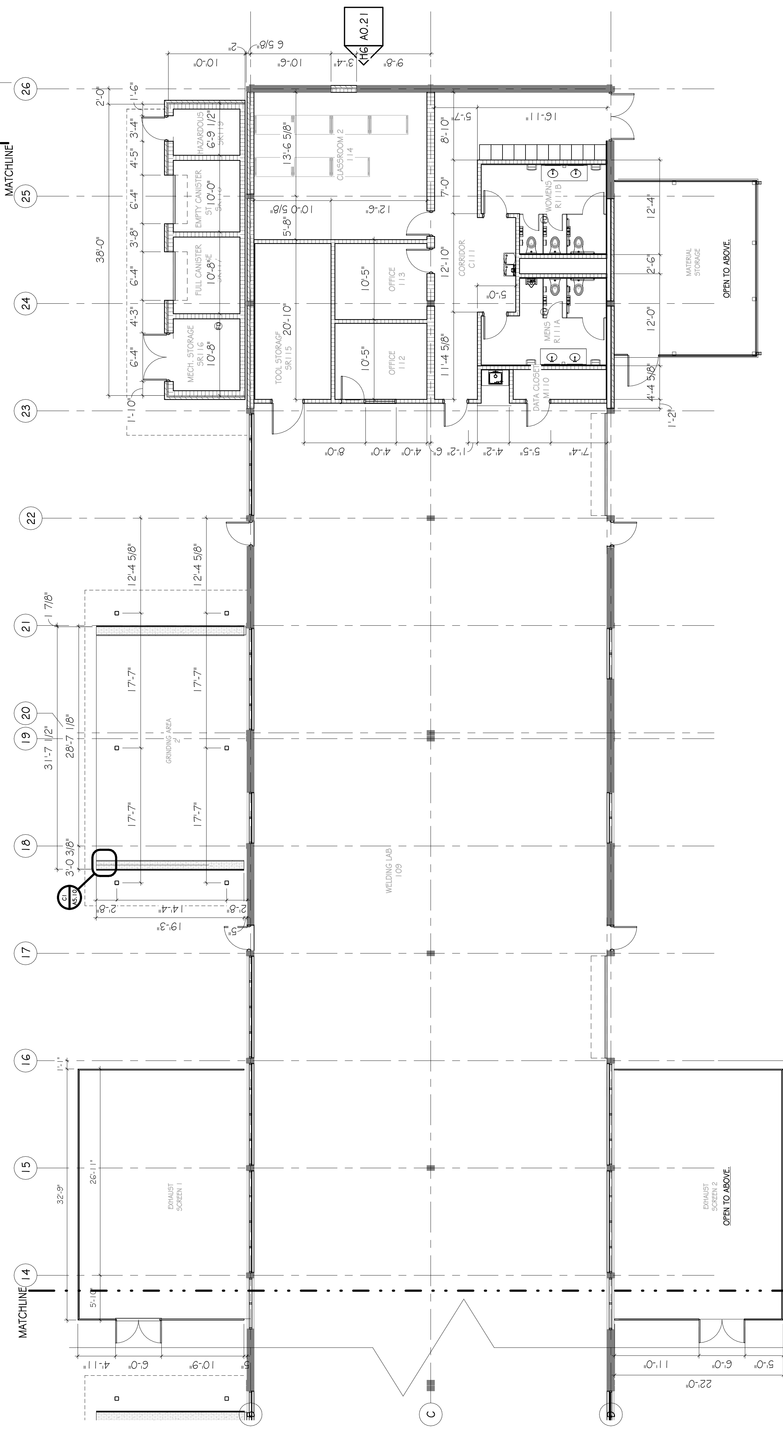
NEW CONSTRUCTION
-DIMENSION PLANS

A1.12



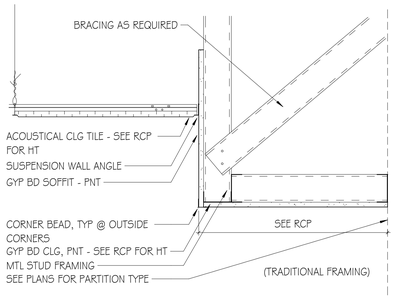
F2 DIMENSION PLAN - PHASE 1
SCALE: 1/8" = 1'-0"

PLAN NORTH
TRUE NORTH

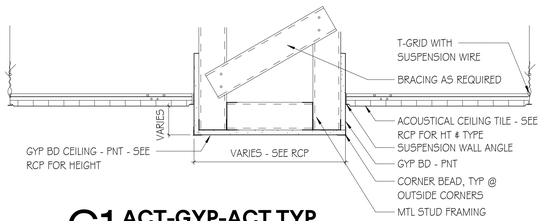


A2 DIMENSION PLAN - PHASE 2
SCALE: 1/8" = 1'-0"

PLAN NORTH
TRUE NORTH

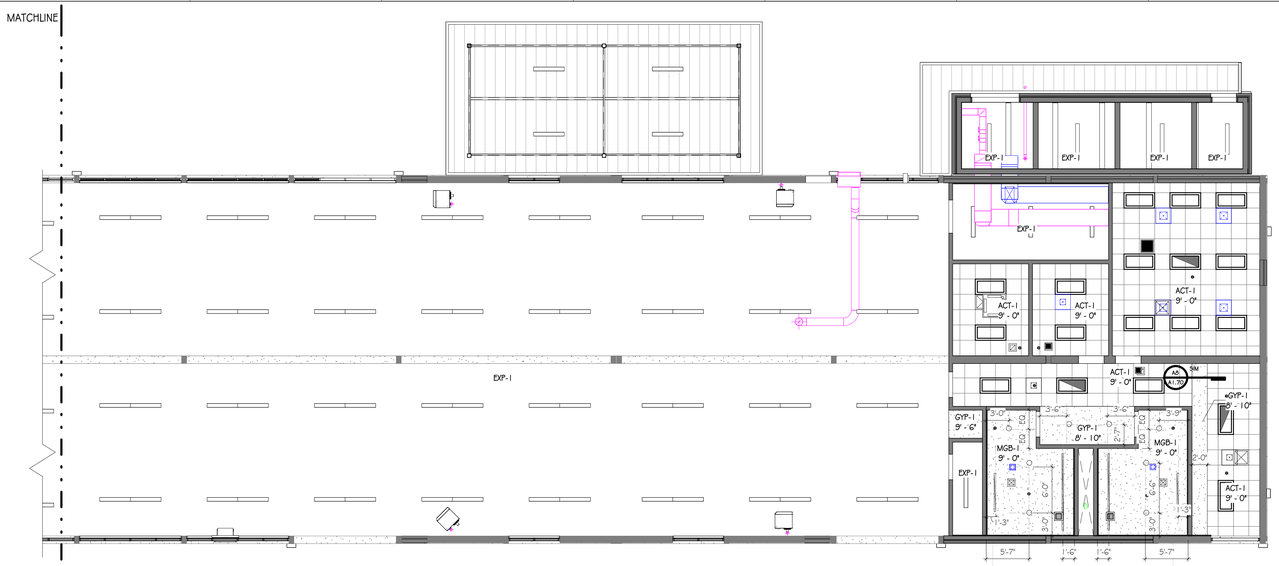


J1 ACT-GYP SOFFIT TYP
SCALE: 11/2" = 1'-0"



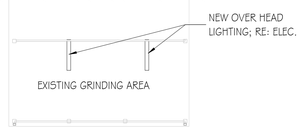
G1 ACT-GYP-ACT TYP
SCALE: 11/2" = 1'-0"

MATCHLINE



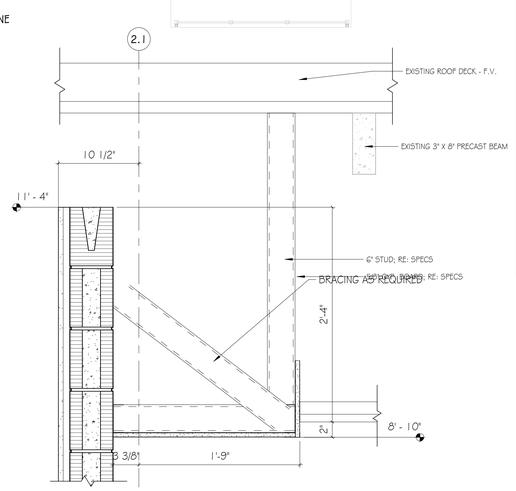
MATCHLINE

G4 ENLARGED RCP EAST - PHASE 2
SCALE: 1/8" = 1'-0"

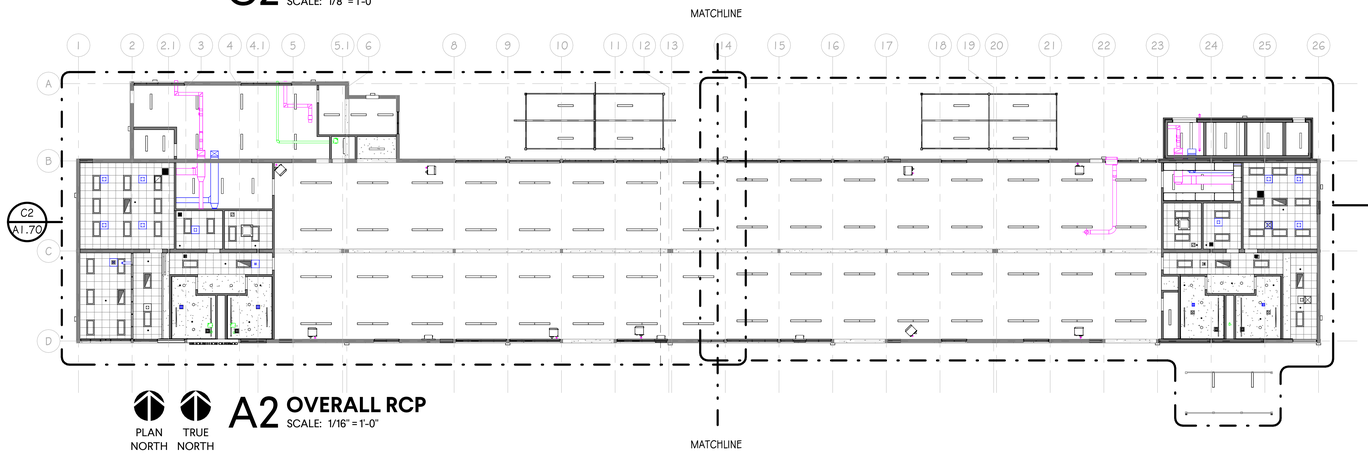




C2 ENLARGED RCP WEST - PHASE 1
SCALE: 1/8" = 1'-0"

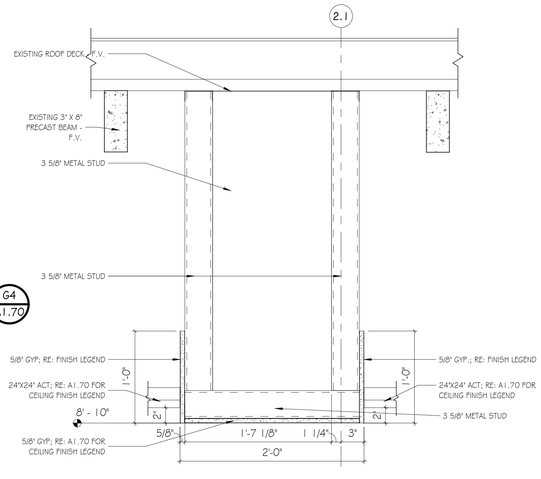


D8 TYP. SOFFIT AT LOCKERS
SCALE: 11/2" = 1'-0"



PLAN NORTH / TRUE NORTH

A2 OVERALL RCP
SCALE: 1/16" = 1'-0"



A8 SOFFIT AT WEST HALLWAY
SCALE: 11/2" = 1'-0"

REFLECTED CEILING PLAN LEGEND

CEILING FINISHES:
- LAY-IN ACOUSTICAL CEILING SYSTEM - 2X2'
- LAY-IN ACOUSTICAL CEILING SYSTEM - 2X4'
- GYP BOARD - INTERIOR. EIFS SOFFIT - EXTERIOR
- EXPOSED STRUCTURE
- 2X2 LAY-IN METAL CEILING SYSTEM
- 2X2 LAY-IN WOOD CEILING SYSTEM
- RECESSED LIGHT POCKET

MECHANICAL:
- SUPPLY DIFFUSER
- RETURN AIR GRILLE
- EXHAUST FAN

LIGHTING:
- 2X2 LAY-IN FIXTURE
- 2X4 LAY-IN FIXTURE
- LINEAR SUSPENDED FIXTURE
- LINEAR RECESSED FIXTURE
- LINEAR WALL MT. FIXTURE
- CIRCULAR SURF. MT. FIXTURE
- CIRCULAR PENDANT FIXTURE
- CIRCULAR RECESSED FIXTURE
- CIRCULAR WALL MT.FIXTURE
- EXIT LIGHT
- NC NURSE CALL LIGHT

CEILING FINISH LEGEND

NUMBER	TYPE	DETAIL DESCRIPTION
ACT-1	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG STYLE: DUNE 1774 COLOR: WHITE SIZE: 24" X 24" X 5/8" SUSPENSION SYSTEM: 15/16" GRID
GYP-1	GYP BOARD CEILING	PAINTED GYP BOARD CEILING COLOR: PNT-3 (U.N.O. ON RCP)
MGB-1	MOISTURE RESISTANT GYP BOARD CEILING	PAINTED GYP BOARD CEILING - MOISTURE RESISTANT COLOR: PNT-3 (U.N.O. ON RCP)
EXP-1	EXPOSED TO STRUCTURE	EXPOSED TO STRUCTURE - WITH NO FINISH
EXP-2	EXPOSED TO STRUCTURE	EXPOSED TO STRUCTURE - WITH FINISH. PAINT ALL EXPOSED ELEMENTS COLOR: PNT-4

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, 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.

GMC
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ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
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F.E. LYNN, JR.
3645
REGISTERED ARCHITECT
06/02/2026

REFLECTED CEILING PLAN

A1.70

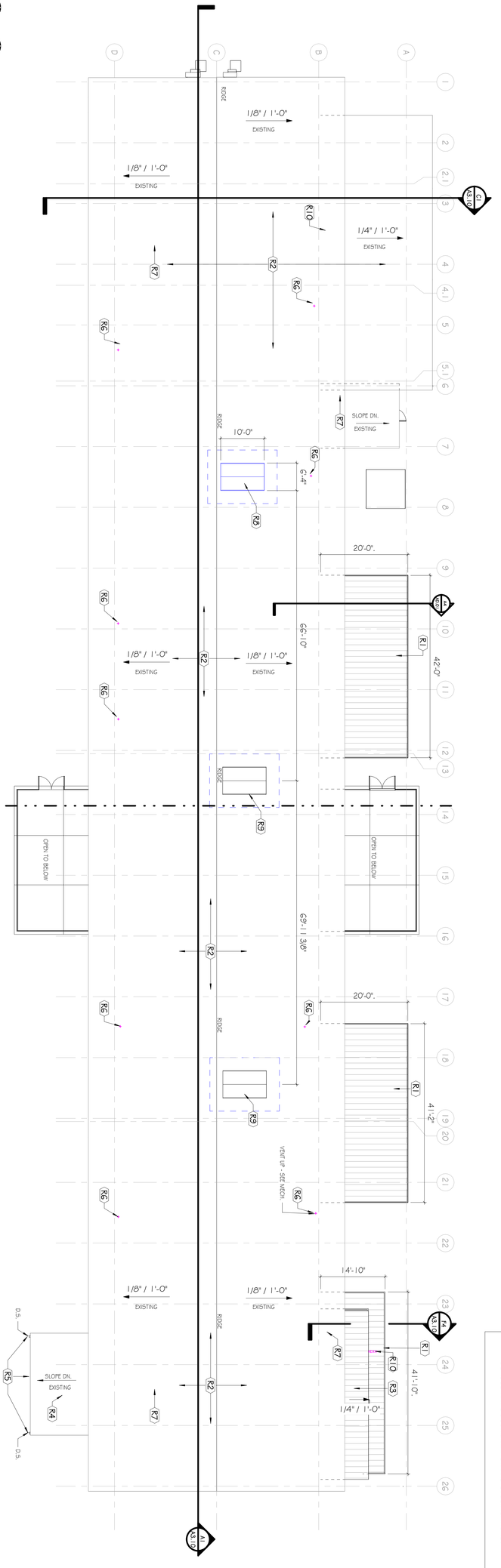
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PLAN NORTH

TRUE NORTH

A2 ROOF PLAN

SCALE: 3/32" = 1'-0"



KEY NOTES - ROOF PLAN

KEY	KEYNOTE
R1	3RD PARTY DESIGN @ CANOPY - INTERNAL GUTTERS - BASIS OF DESIGN IS A TYM CANOPY.
R2	EXISTING TPO MEMBRANE METAL DECKING ROOF
R3	NEW STANDING SEAM METAL ROOF
R4	EXISTING STANDING SEAM METAL ROOF
R5	NEW DOWNSPOUT AND GUTTER
R6	HOT VENT ROOF PENETRATION RE: MISCELLANEOUS SHEET
R7	PLUMBING VENT ROOF PENETRATION RE: MISCELLANEOUS SHEET
R8	EXISTING GRAVITY HOOD PENETRATION - SEE MECH. & COORD. W/ STRUCT.
R9	GRAVITY HOOD PENETRATION - SEE MECH. & COORD. W/ STRUCT.
R10	GAS VENT ROOF PENETRATION RE: MISCELLANEOUS SHEET

GENERAL NOTES - ROOF PLAN

1. GENERAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS AND LOCATIONS PRIOR TO BID.
2. IN AREAS WHERE CONSTRUCTION IS TO OCCUR, CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT ALL EXISTING ITEMS TO REMAIN. DAMAGED ITEMS WILL BE REPLACED AT THE COST OF THE CONTRACTOR.
3. REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION ON ROOF PENETRATIONS. COORDINATE WITH ROOFING CONSULTANT DOCUMENTATION AND SPECIFICATIONS.
4. NOTIFY ARCHITECT IF DIMENSIONS VARY BY MORE THAN 2".
5. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION ON ROOF PENETRATIONS. COORDINATE WITH ROOFING CONSULTANT DOCUMENTATION AND SPECIFICATIONS.
6. PATCH & REPAIR ALL DAMAGE AT NEW ROOF PENETRATIONS. NEW MATERIALS TO MATCH EXISTING. COORDINATE WITH ROOFING CONSULTANT DOCUMENTATION AND SPECIFICATIONS.
7. PATCH & REPAIR ALL DAMAGE AT EXISTING ROOF PENETRATIONS, WHERE NEW WORK OCCURS. NEW MATERIALS TO MATCH EXISTING. COORDINATE WITH ROOFING CONSULTANT DOCUMENTATION AND SPECIFICATIONS.
8. COORDINATE HOT & COLD VENTING PENETRATIONS, GRAVITY HOODS, LOCATIONS, CURBING REQUIREMENTS, ROOF WARRANTY WORK FOR PENETRATIONS WITH MECHANICAL, PLUMBING AND ROOFING CONSULTANT DOCUMENTATION AND SPECIFICATIONS.

ROOF PLAN

A1.90

STATE OF ALABAMA — F.E. LYNN, JR. — 36545 — REGISTERED ARCHITECT — 06/02/2026

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1708 N MAIN ST. OPP, AL 36467

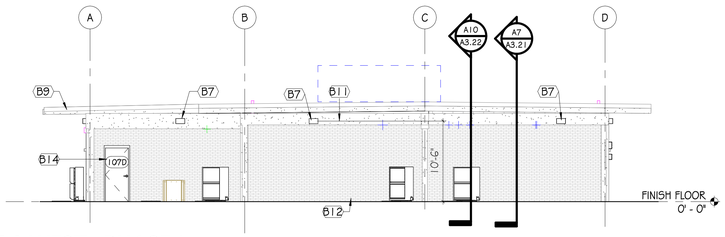
ACCS 2025 161 LBWCC
GMC # AMGM260016

ISSUE	DATE
BID SET	06/02/2026

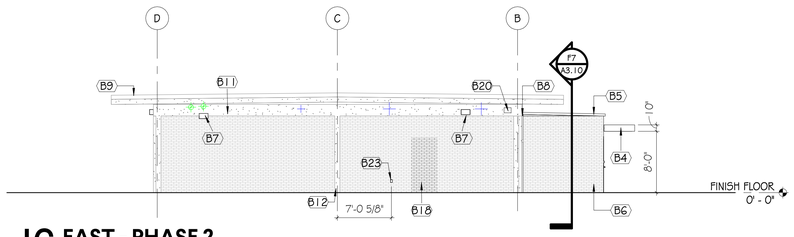
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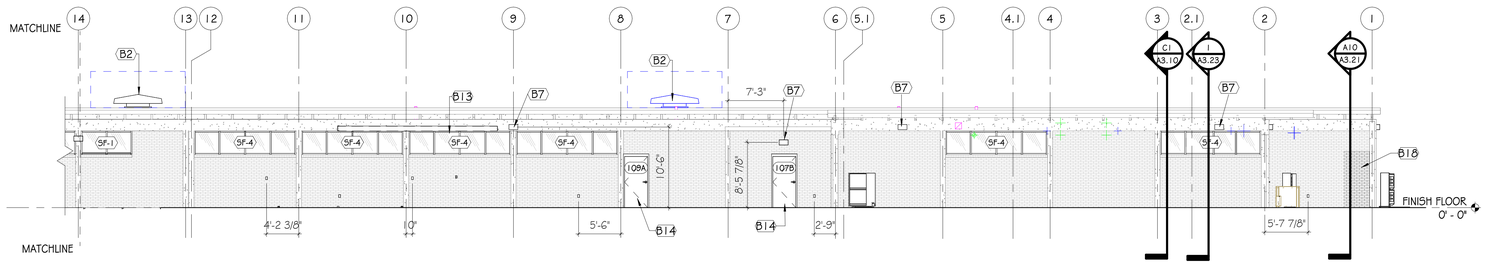
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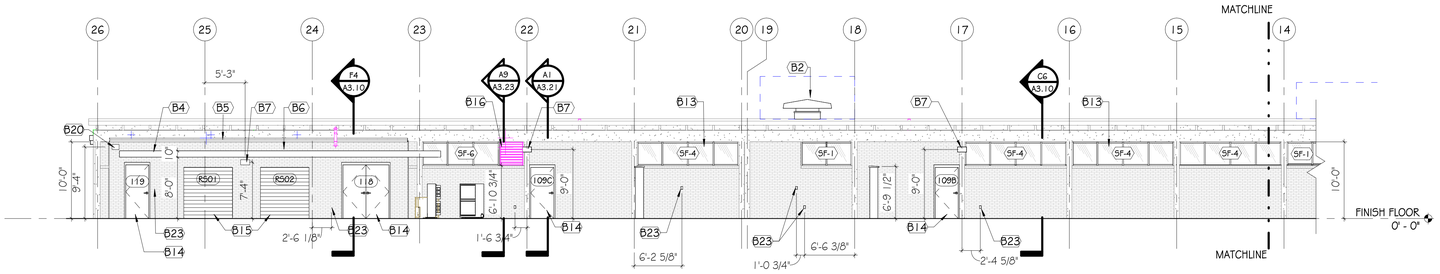
J1 WEST - PHASE 1
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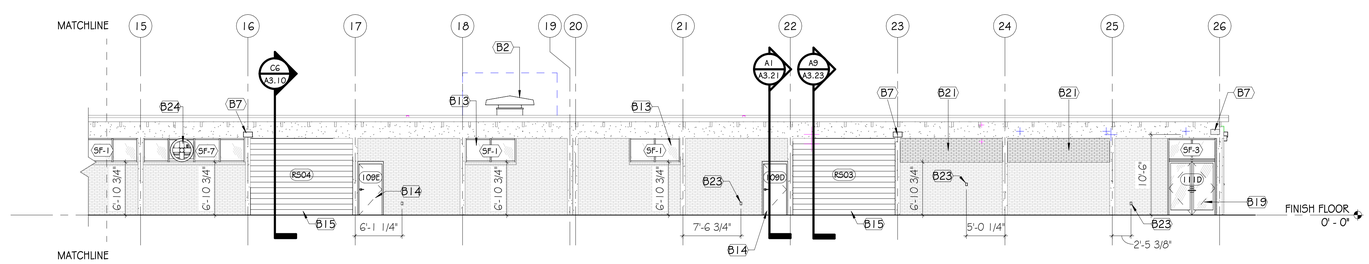
J6 EAST - PHASE 2
SCALE: 1/8" = 1'-0"



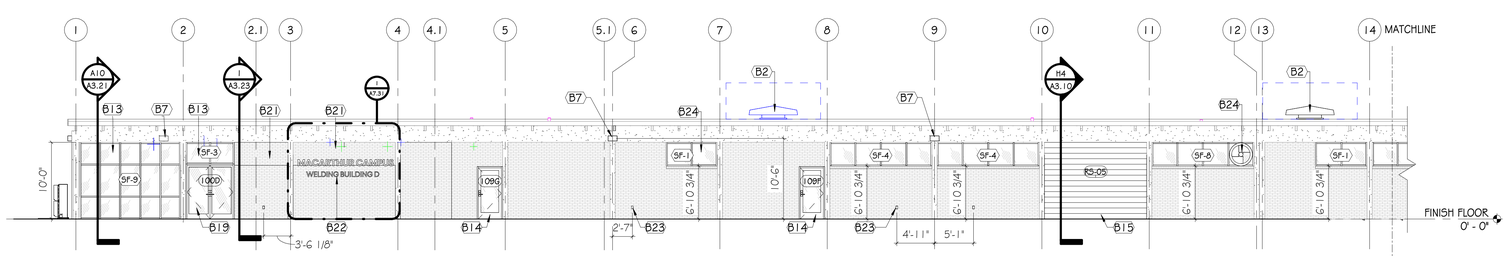
G4 NORTH ELEVATION - PHASE 1
SCALE: 1/8" = 1'-0"



E4 NORTH ELEVATION - PHASE 2
SCALE: 1/8" = 1'-0"



C4 SOUTH ELEVATION - PHASE 2
SCALE: 1/8" = 1'-0"

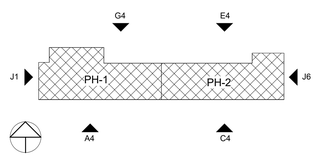


A4 SOUTH ELEVATION - PHASE 1
SCALE: 1/8" = 1'-0"

KEY NOTES - EXTERIOR ELEVATIONS

KEY	KEYNOTE
B1	NEW DOWNSPOUT ATTACHED TO EXISTING METAL CANOPY
B2	1H-1 UNIT, RE: MECHANICAL
B3	6X6 HORIZONTAL FENCE ENCLOSURE AND GATE RE: LANDSCAPING
B4	PRE-ENGINEERED METAL CANOPY. RE: SPECS
B5	NEW STANDING SEAM METAL ROOF SYSTEM. RE: SHEET A1.90
B6	BRICK VENEER ON 8" CMU
B7	EXTERIOR LIGHT FIXTURE. RE: ELECTRICAL
B8	2" EXPANSION JOINT (EMSHIELD WFR1)
B9	EXISTING TPO MEMBRANE ON METAL ROOF DECKING
B10	EXISTING PRE-ENGINEERED CANOPY
B11	EXISTING PRECAST BEAM
B12	EXISTING PRECAST COLUMN
B13	ALUMINUM STOREFRONT GLAZING SYSTEM. RE: SHEET AG.20
B14	HOLLOW METAL DOOR AND FRAME. RE: SHEET AG.10
B15	OVERHEAD COILING DOOR. RE: SHEET AG.10
B16	LOUVERS. RE: SHEET AG.20 & MECHANICAL DETAILS
B18	INFILL WALL WITH NEW BRICK VENEER ON CMU WALL. MATCH BRICK WITH EXISTING. ALIGN WITH ADJACENT WALL ASSEMBLY.
B19	ALUMINUM STOREFRONT ENTRANCE. RE: AG.10
B20	WALL MOUNTED STORED EXISTING CAMERA. RE: ELEC
B21	INFILL WALL WITH BRICK ON 6" METAL STUD WALL. RE: WALL SECTION SHEETS
B22	DIMENSIONAL METAL SIGNAGE WITH STAND OFF
B23	ELECTRICAL WALL MOUNTED CONTROL/OUTLET, RE: ELECTRICAL
B24	VF - #5 FANS; RE: M2.01 FOR LOCATIONS.
B25	PRE-ENGINEERED CANOPY STRUCTURE
B27	PRECAST STONE WALL CAP

KEYPLAN



GENERAL NOTES - ELEVATIONS

1. FIELD VERIFY EXISTING CONDITIONS

GMC
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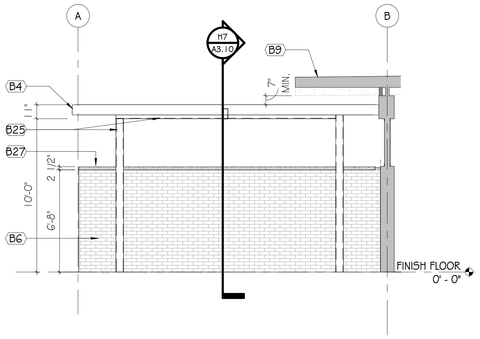
ACCS 2025 161 LBWCC
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STATE OF ALABAMA
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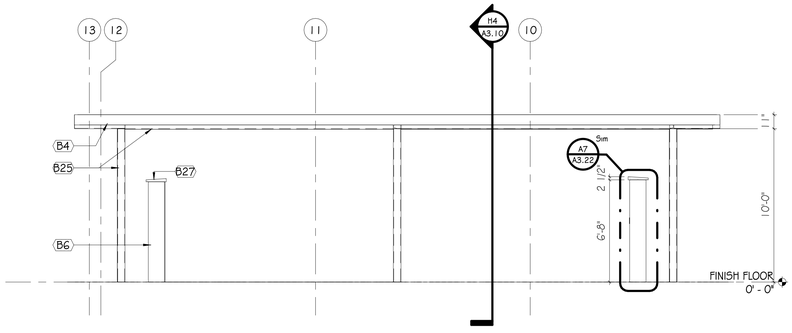
EXTERIOR ELEVATIONS

A2.01

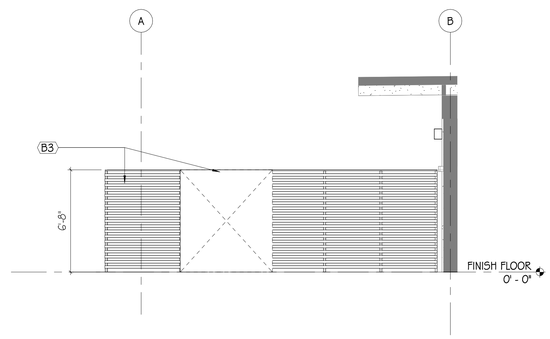
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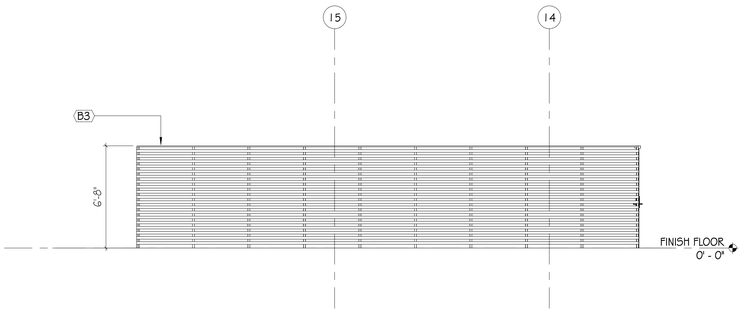
1 EXTERIOR ELEVATION @ GRINDING AREA
SCALE: 1/4" = 1'-0"



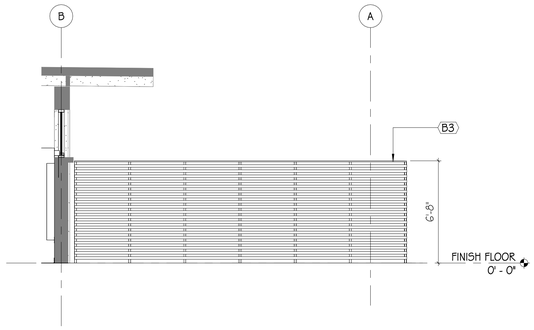
2 EXTERIOR ELEVATION @ GRINDING AREA
SCALE: 1/4" = 1'-0"



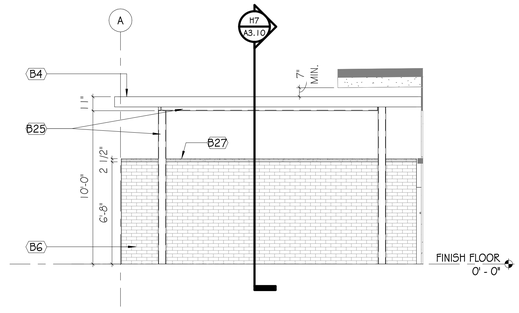
3 EXTERIOR ELEVATION @ EXHAUST UNIT SCREEN
SCALE: 1/4" = 1'-0"



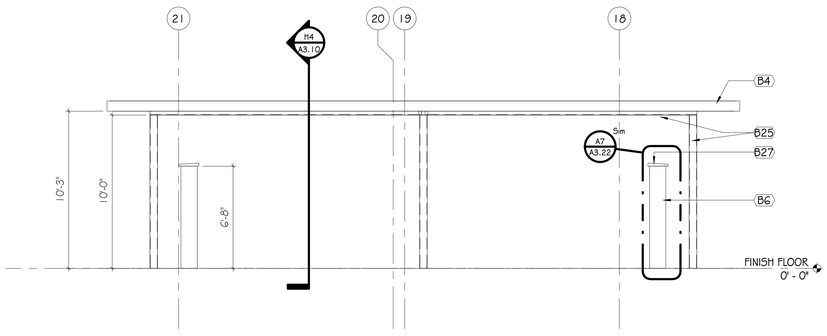
4 EXTERIOR ELEVATION @ EXHAUST UNIT SCREEN
SCALE: 1/4" = 1'-0"



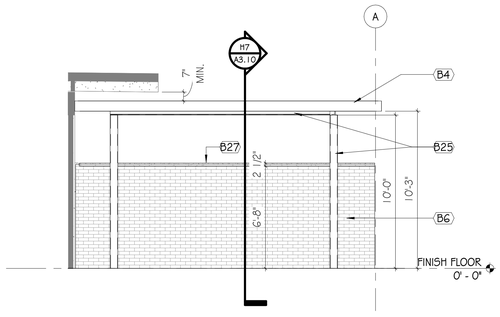
5 EXTERIOR ELEVATION @ EXHAUST UNIT SCREEN
SCALE: 1/4" = 1'-0"



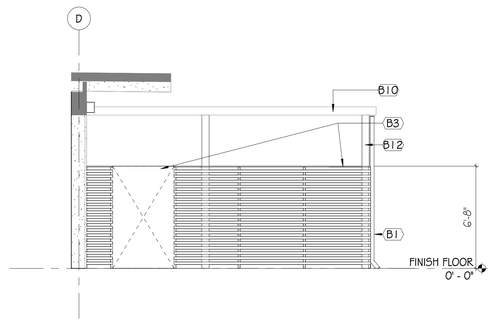
6 EXTERIOR ELEVATION @ GRINDING AREA
SCALE: 1/4" = 1'-0"



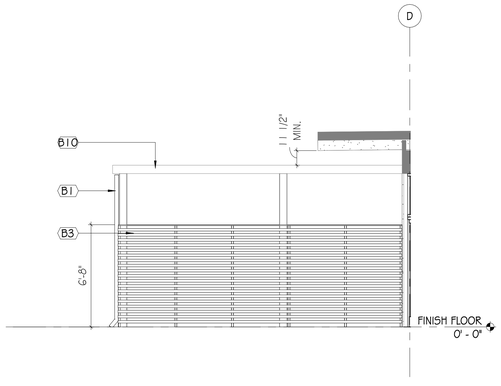
7 EXTERIOR ELEVATION @ GRINDING AREA
SCALE: 1/4" = 1'-0"



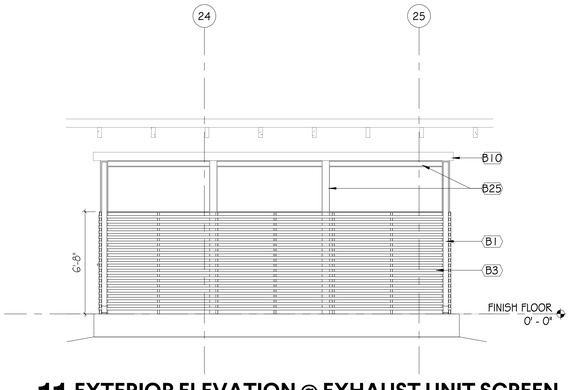
8 EXTERIOR ELEVATION @ GRINDING AREA
SCALE: 1/4" = 1'-0"



9 EXTERIOR ELEVATION @ EXHAUST UNIT SCREEN
SCALE: 1/4" = 1'-0"



10 EXTERIOR ELEVATION @ EXHAUST UNIT SCREEN
SCALE: 1/4" = 1'-0"



11 EXTERIOR ELEVATION @ EXHAUST UNIT SCREEN
SCALE: 1/4" = 1'-0"

KEY NOTES - EXTERIOR ELEVATIONS

KEY	KEYNOTE
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B2	IH-1 UNIT, RE: MECHANICAL
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B23	ELECTRICAL WALL MOUNTED CONTROL/OUTLET, RE: ELECTRICAL
B24	VF - #5 FANS; RE: M2.01 FOR LOCATIONS.
B25	PRE-ENGINEERED CANOPY STRUCTURE
B27	PRECAST STONE WALL CAP

GENERAL NOTES - ELEVATIONS

1. FIELD VERIFY EXISTING CONDITIONS

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ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

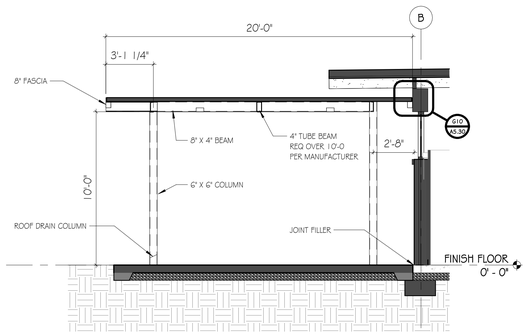
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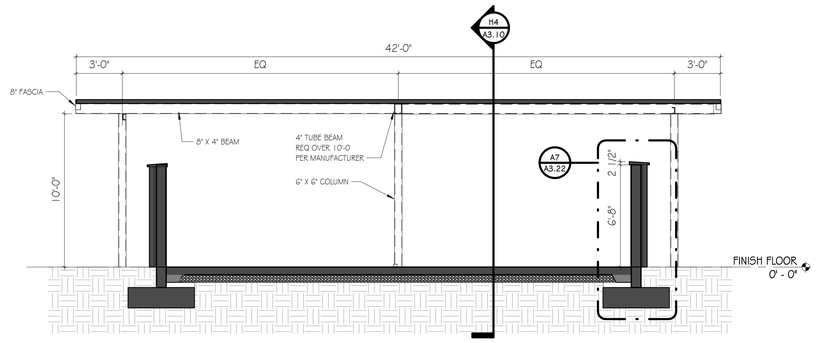
ENLARGED EXTERIOR ELEVATIONS

A2.02

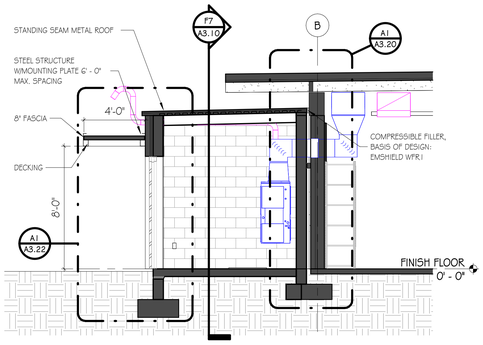
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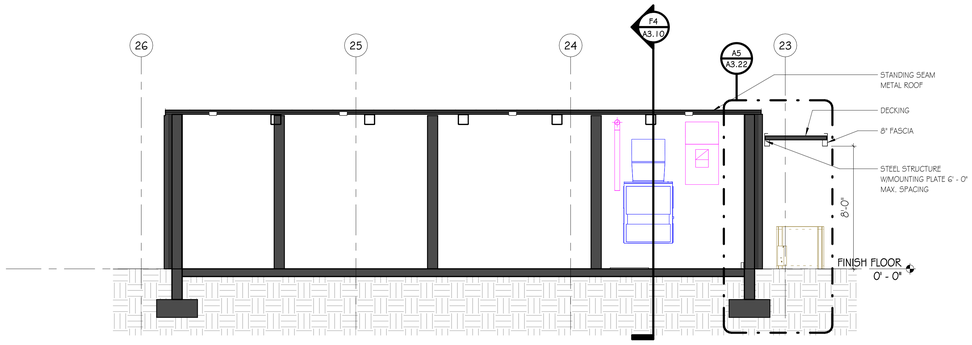
H4 TYP. SECTION AT GRINDING AREA
SCALE: 1/4" = 1'-0"



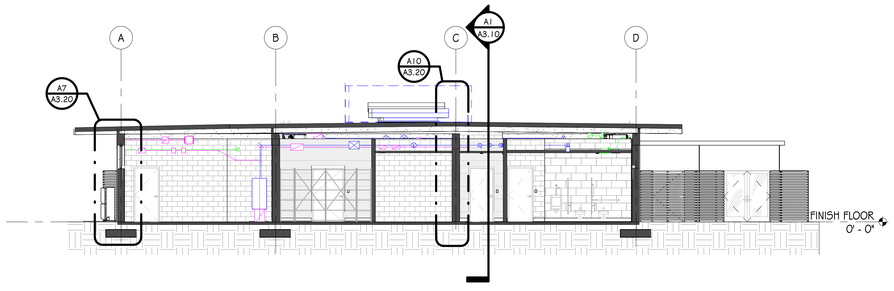
H7 TYP. SECTION AT GRINDING AREA
SCALE: 1/4" = 1'-0"



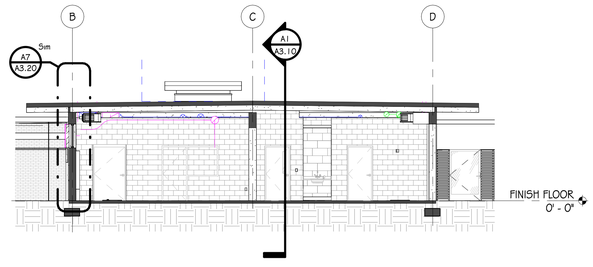
F4 SECTION AT EXTERIOR STORAGE UNITS
SCALE: 1/4" = 1'-0"



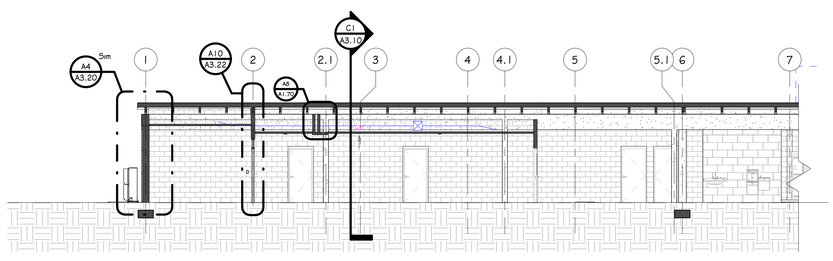
F7 SECTION AT EXTERIOR STORAGE UNITS
SCALE: 1/4" = 1'-0"

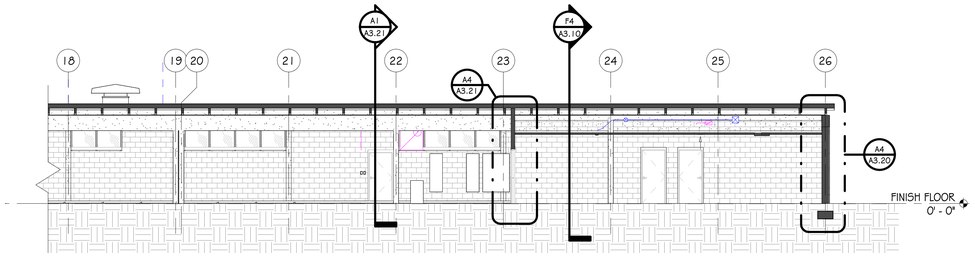


C1 BUILDING SECTION
SCALE: 1/8" = 1'-0"



C6 BUILDING SECTION
SCALE: 1/8" = 1'-0"





A1 BUILDING SECTION AT WELDING LAB
SCALE: 1/8" = 1'-0"

KEY NOTES - BUILDING SECTION

KEY	KEYNOTE
B1	NEW DOWNSPOUT ATTACHED TO EXISTING METAL CANOPY
B2	IH-1 UNIT, RE: MECHANICAL
B3	6X6 HORIZONTAL FENCE ENCLOSURE AND GATE RE: LANDSCAPING
B4	PRE-ENGINEERED METAL CANOPY. RE: SPEC5
B5	NEW STANDING SEAM METAL ROOF SYSTEM. RE: SHEET A1.90
B6	BRICK VENEER ON 8" CMU
B7	EXTERIOR LIGHT FIXTURE. RE: ELECTRICAL
B8	2" EXPANSION JOINT (EMSHIELD WFR1)
B9	EXISTING TPO MEMBRANE ON METAL ROOF DECKING
B10	EXISTING PRE-ENGINEERED CANOPY
B11	EXISTING PRECAST BEAM
B12	EXISTING PRECAST COLUMN
B13	ALUMINUM STOREFRONT GLAZING SYSTEM. RE: SHEET AG.20
B14	HOLLOW METAL DOOR AND FRAME. RE: SHEET AG.10
B15	OVERHEAD COILING DOOR. RE: SHEET AG.10
B16	LOUVERS. RE: SHEET AG.20 & MECHANICAL DETAILS
B18	INFILL WALL WITH NEW BRICK VENEER ON CMU WALL. MATCH BRICK WITH EXISTING. ALIGN WITH ADJACENT WALL ASSEMBLY.
B19	ALUMINUM STOREFRONT ENTRANCE. RE: AG.10
B20	WALL MOUNTED STORED EXISTING CAMERA. RE: ELEC
B21	INFILL WALL WITH BRICK ON 6" METAL STUD WALL. RE: WALL SECTION SHEETS
B22	DIMENSIONAL METAL SIGNAGE WITH STAND OFF
B23	ELECTRICAL WALL MOUNTED CONTROL/OUTLET, RE: ELECTRICAL
B24	VF - #5 FANS; RE: M2.01 FOR LOCATIONS.
B25	PRE-ENGINEERED CANOPY STRUCTURE
B27	PRECAST STONE WALL CAP

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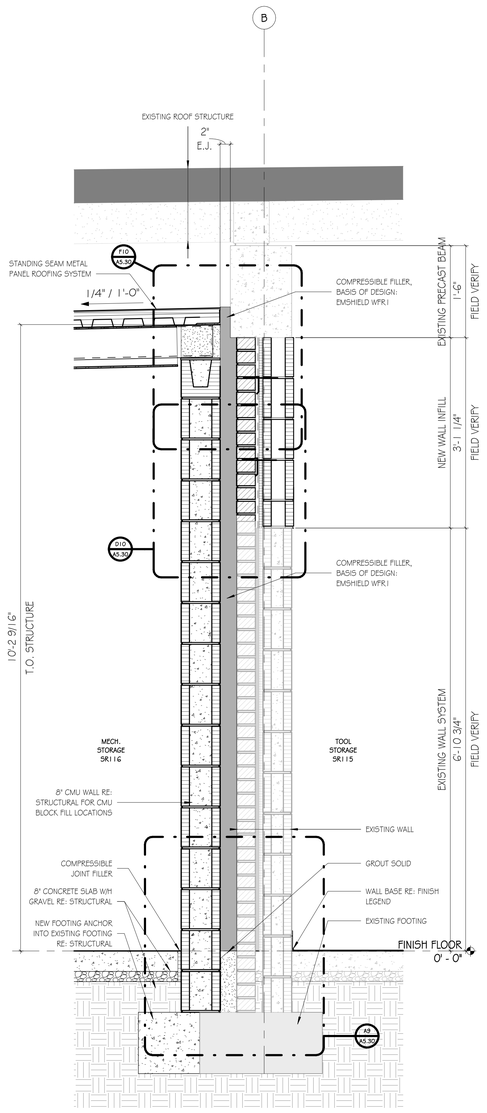
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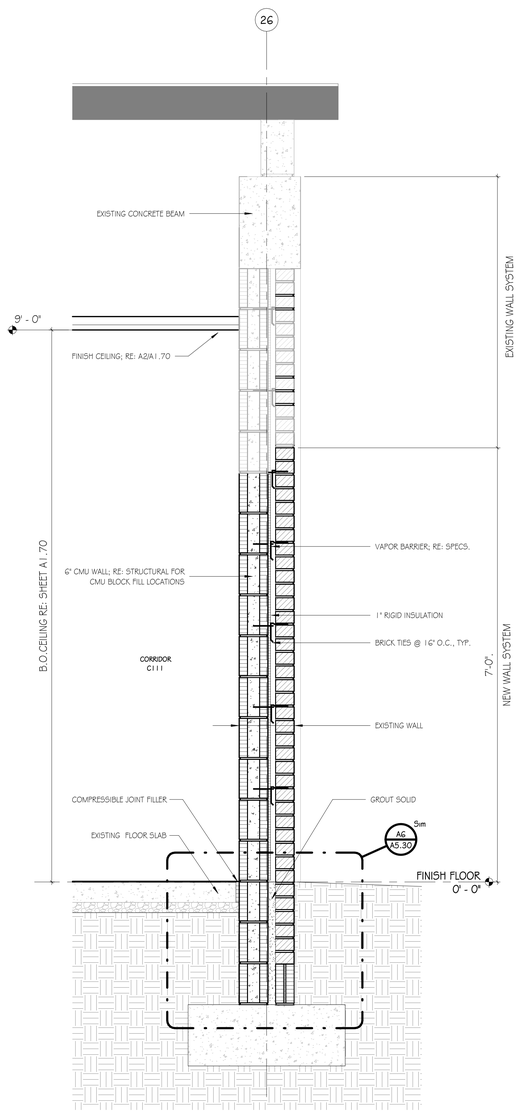
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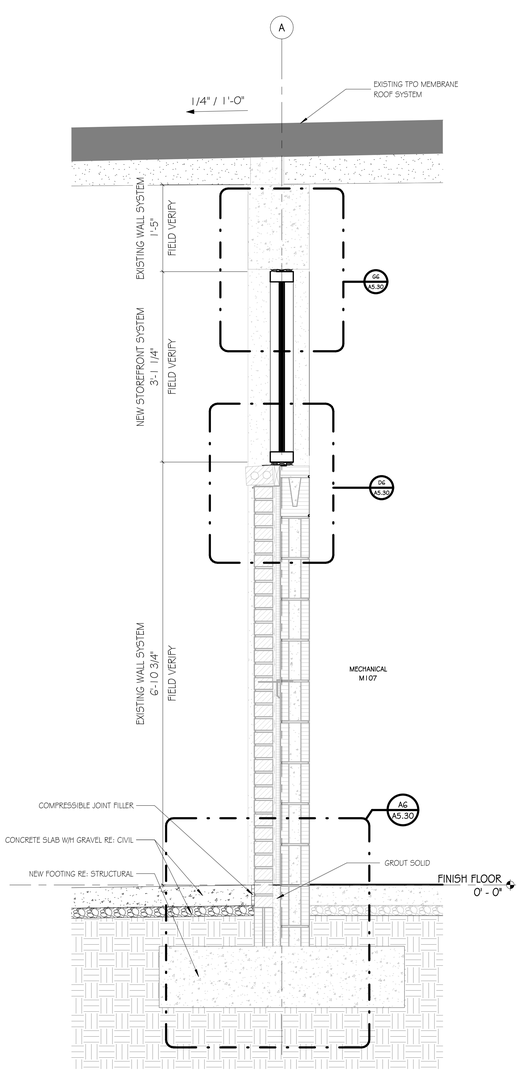
BUILDING SECTIONS

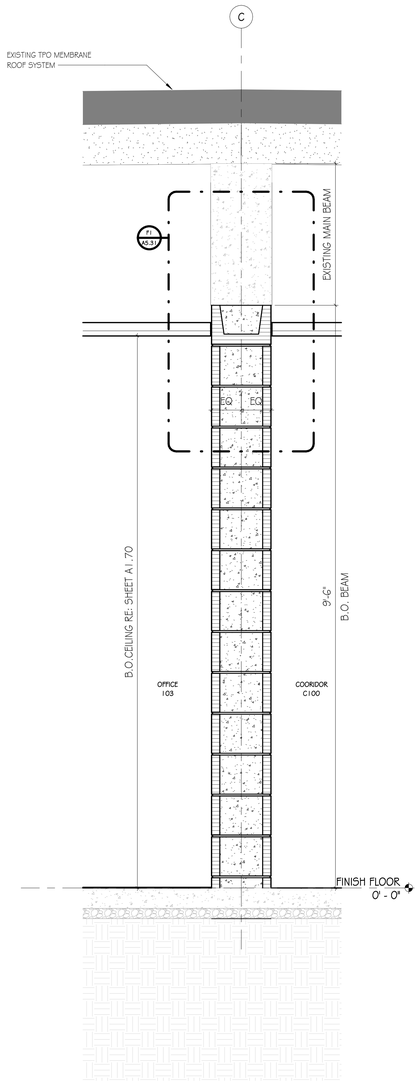
A3.10

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A1 EXTERIOR STORAGE UNIT AT EXPANSION JOINT
SCALE: 1" = 1'-0"

A4 TYP. EXTERIOR WALL INFILL
SCALE: 1" = 1'-0"

A7 TYP. EXTERIOR WALL AT NEW STOREFRONT
SCALE: 1" = 1'-0"

A10 TYPICAL INTERIOR 12" WALL
SCALE: 1" = 1'-0"

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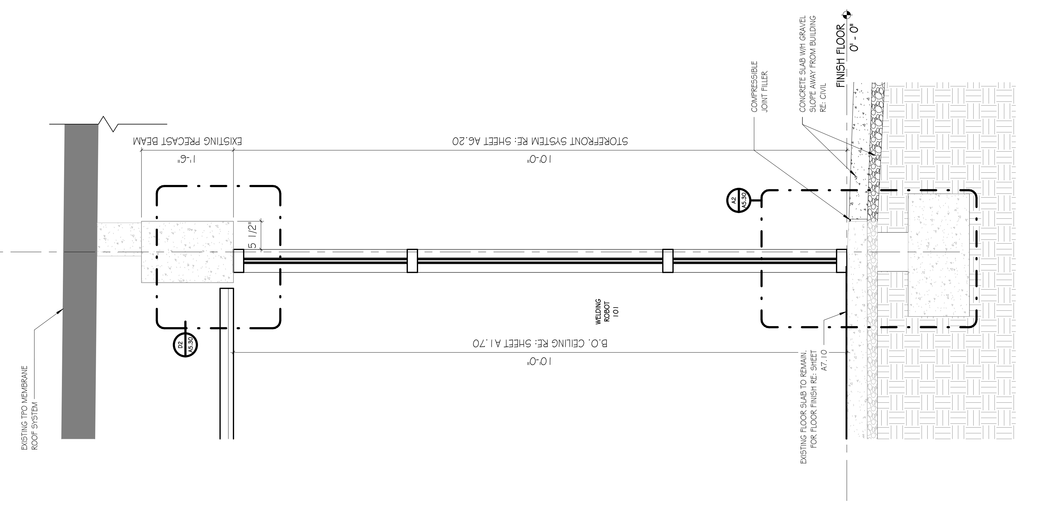
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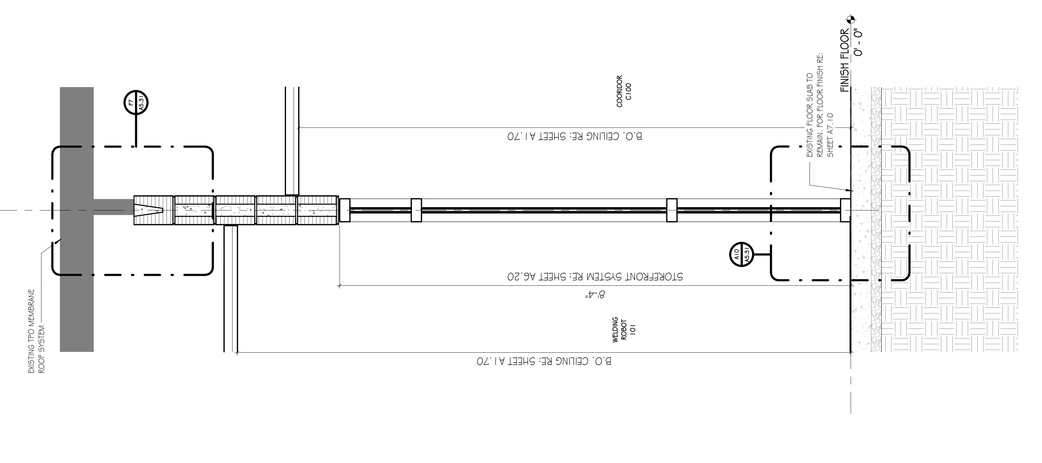
WALL SECTIONS

A3.20

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A4 WALL SECTION
SCALE: 1" = 1'-0"



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

A10 WALL SECTION
SCALE: 1" = 1'-0"

A7 WALL SECTION
SCALE: 1" = 1'-0"

WALL SECTIONS

A3.21

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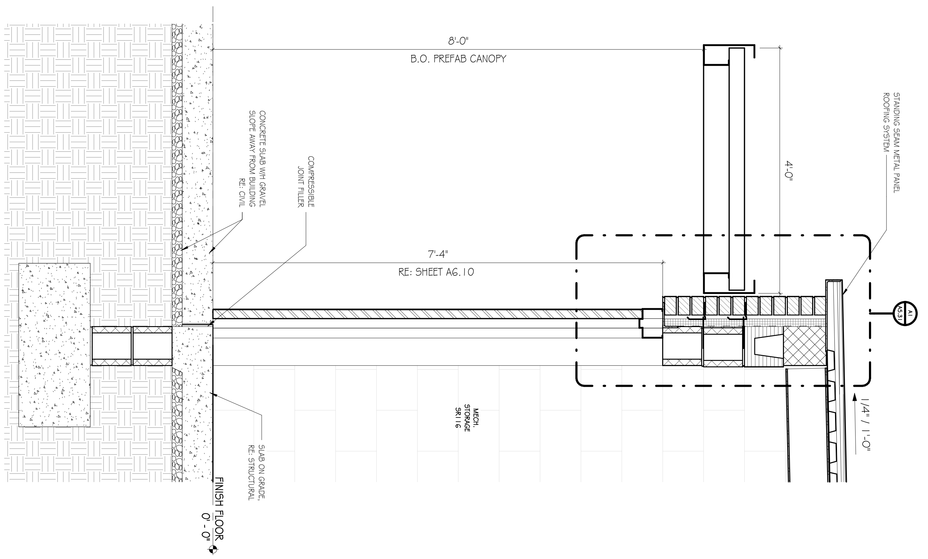
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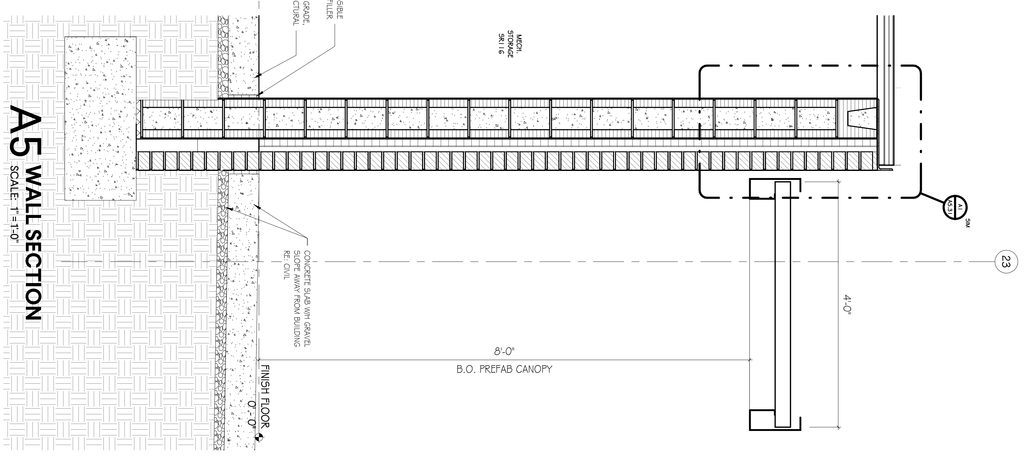
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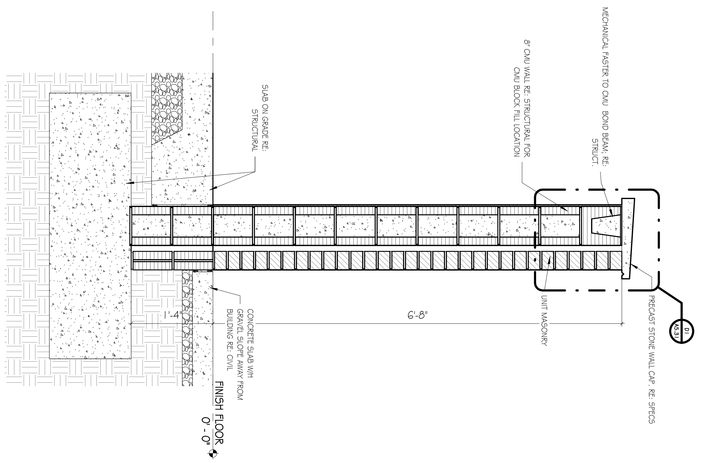
A1 WALL SECTION
SCALE: 1" = 1'-0"



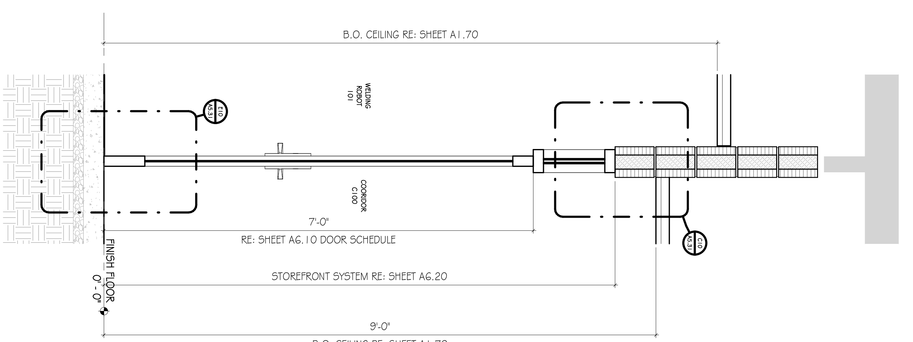
A5 WALL SECTION
SCALE: 1" = 1'-0"



A7 WALL SECTION
SCALE: 1" = 1'-0"



A10 WALL SECTION
SCALE: 1" = 1'-0"



WALL SECTIONS

A3.22

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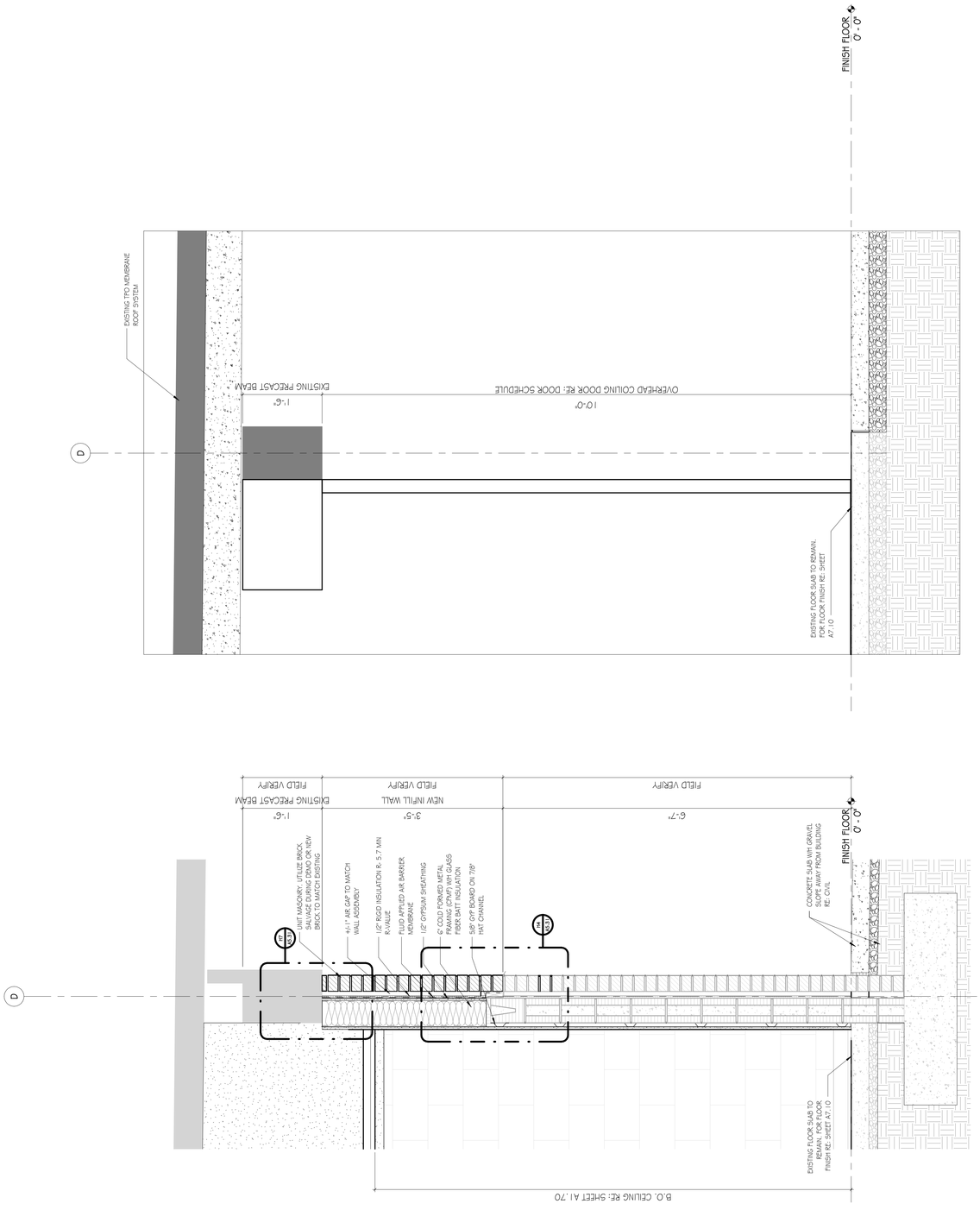
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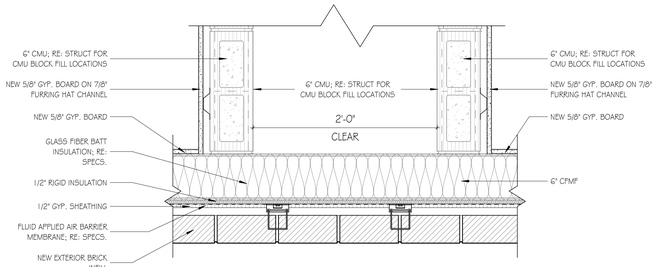
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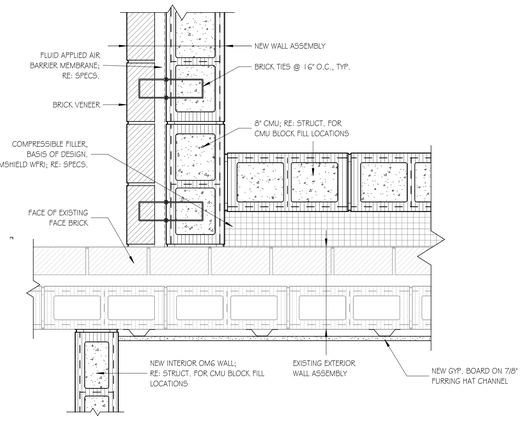


A9 WALL SECTION
SCALE: 1" = 1'-0"

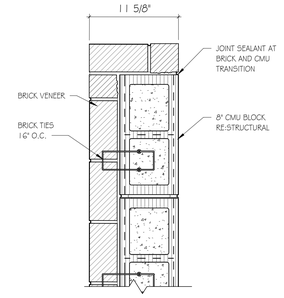
1 WALL SECTION
SCALE: 1" = 1'-0"



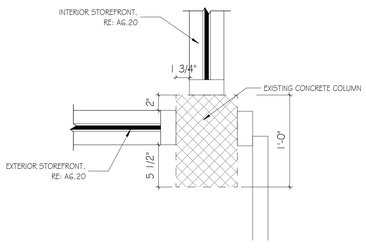
E5 PLUMBING CHASE TO INFILL EXTERIOR WALL
SCALE: 11/2" = 1'-0"



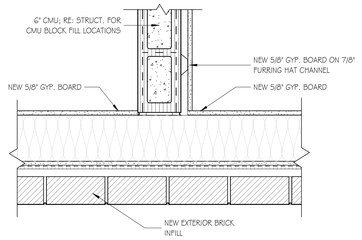
D8 PLAN DETAIL
SCALE: 11/2" = 1'-0"



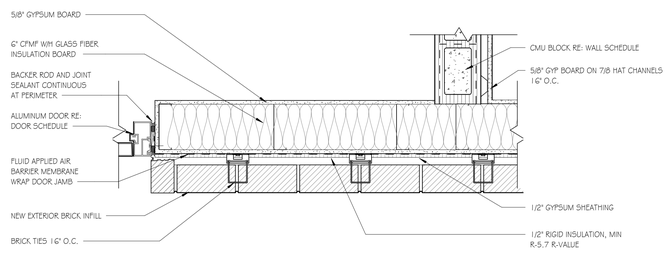
C1 FREESTANDING BRICK EDGE DETAIL
SCALE: 11/2" = 1'-0"



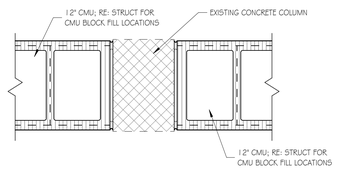
C2 STOREFRONT CORNER AT EXIST. COLUMN
SCALE: 11/2" = 1'-0"



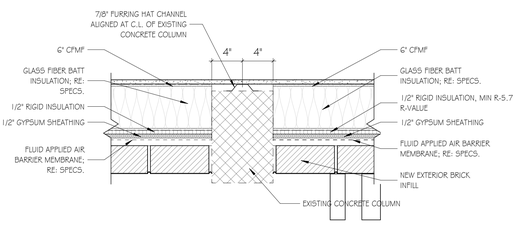
C5 TYP. INTERIOR WALL TO INFILL EXTERIOR WALL
SCALE: 11/2" = 1'-0"



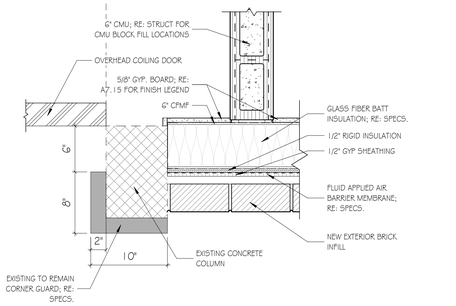
A1 STOREFRONT AT EXTERIOR STUD INFILL WALL
SCALE: 11/2" = 1'-0"



A2 INTERIOR 0M12 TO EXIST. COLUMN
SCALE: 11/2" = 1'-0"



A5 STOREFRONT TO EXIST. COLUMN
SCALE: 11/2" = 1'-0"



A8 OVERHEAD DOOR AT EXISTING COLUMN
SCALE: 11/2" = 1'-0"

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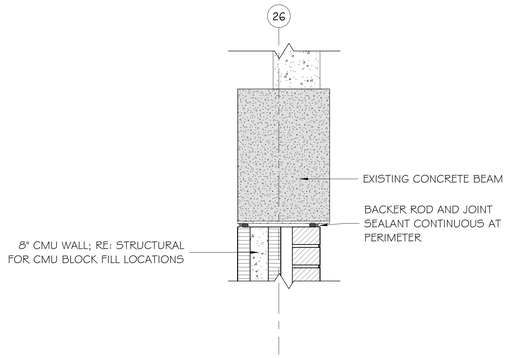
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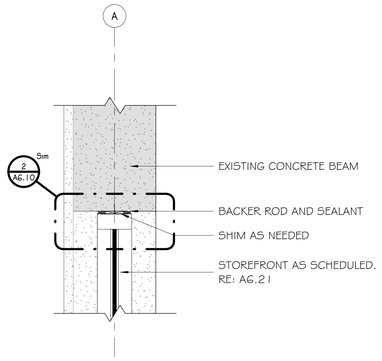
PLAN DETAILS

A5.10

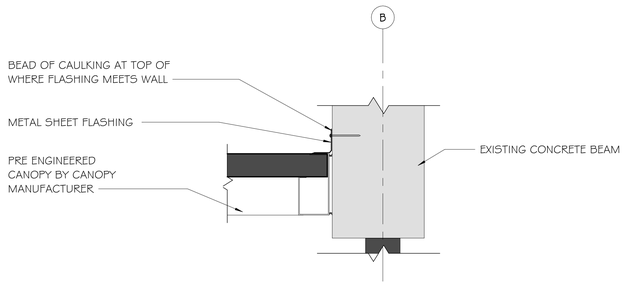
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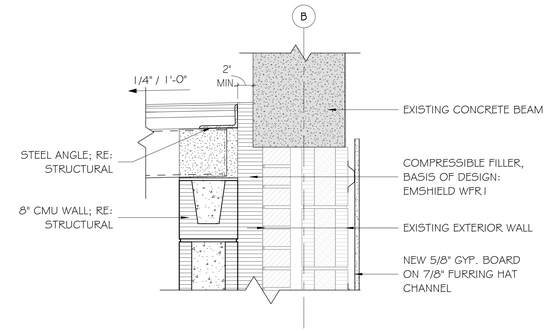
A3 WALL SECTION - TYP. EXT WALL
SCALE: 1 1/2" = 1'-0"



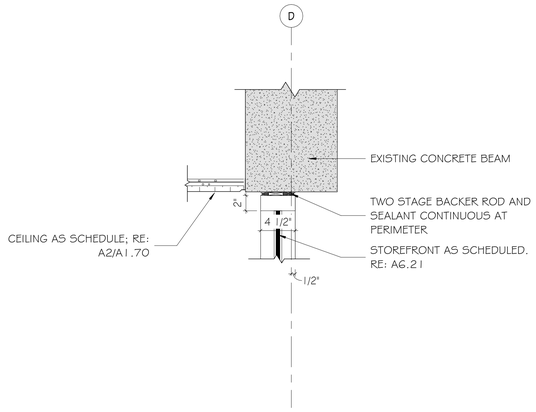
G6 TYPICAL STOREFRONT HEADER
SCALE: 1 1/2" = 1'-0"



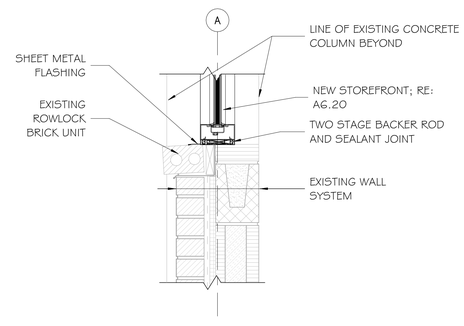
G10 DETAIL - PRE ENGINEERED CANOPY TO EXISTING WALL ATTACHMENT
SCALE: 1 1/2" = 1'-0"



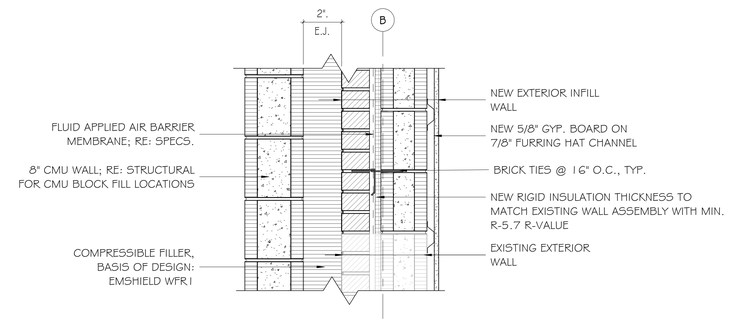
F10 DETAIL - ROOF AT EXTERIOR STORAGE UNIT
SCALE: 1 1/2" = 1'-0"



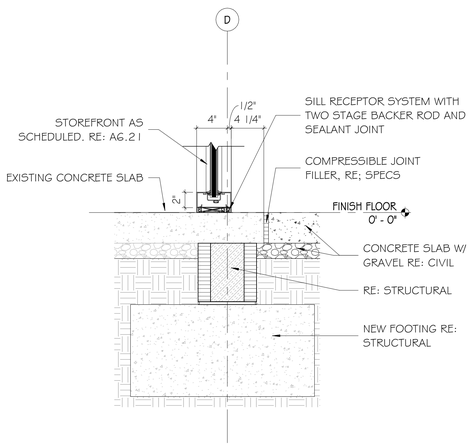
D2 HEADDER AT SF-9
SCALE: 1 1/2" = 1'-0"



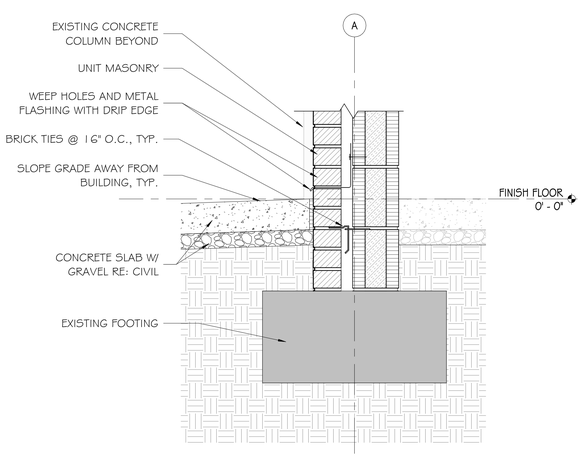
D6 TYPICAL STOREFRONT SILL
SCALE: 1 1/2" = 1'-0"



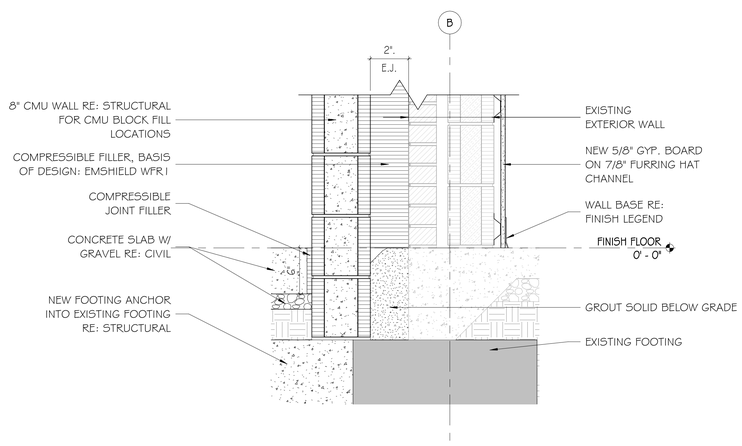
D10 DETAIL - INFILL WALL
SCALE: 1 1/2" = 1'-0"



A2 FOUNDATION AT SF-9
SCALE: 1 1/2" = 1'-0"



A6 TYPICAL FOUNDATION DETAIL
SCALE: 1 1/2" = 1'-0"



A9 DETAIL - FOUNDATION AT EXTERNAL STORAGE
SCALE: 1 1/2" = 1'-0"

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LBW CC - NAVY MIB WELDING - OPP BUILDING D
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

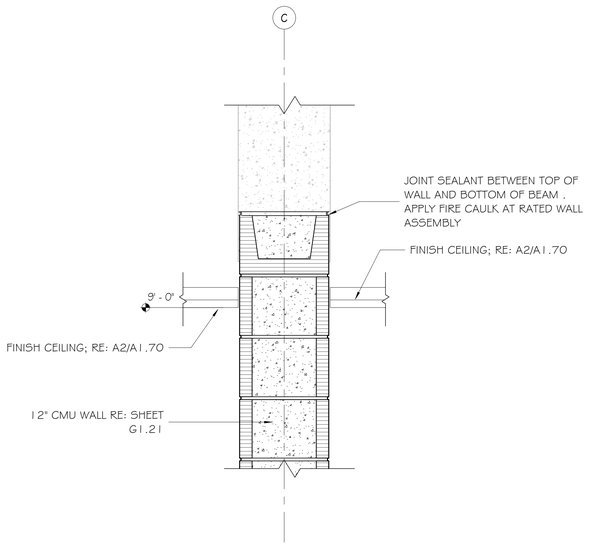
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GMC # AMGM260016

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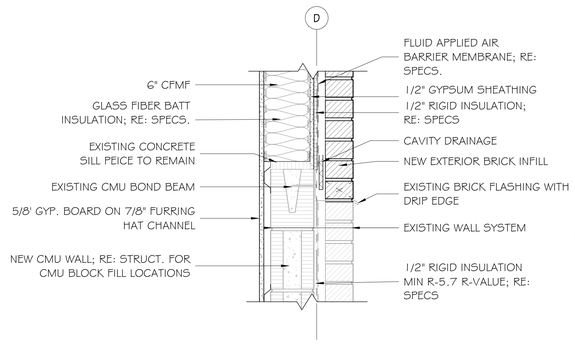
SECTION DETAILS

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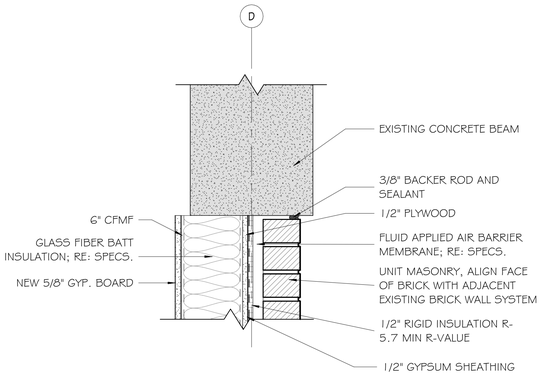
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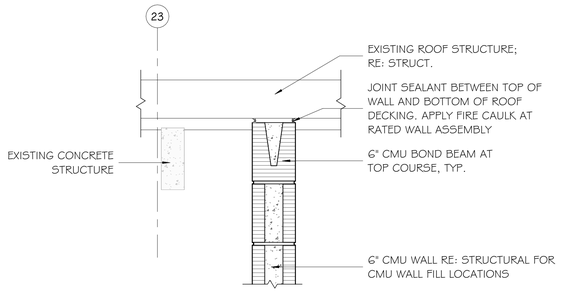
F1 0M12 TO EXISTING CONCRETE BEAM
SCALE: 11/2" = 1'-0"



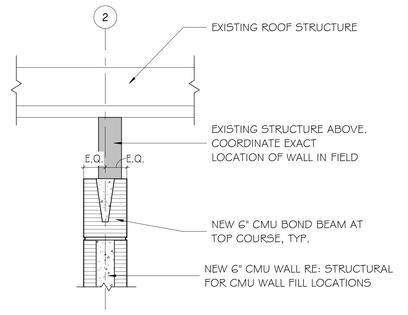
H4 INFILL SILL AT EXIST. EXTERIOR WALL
SCALE: 11/2" = 1'-0"



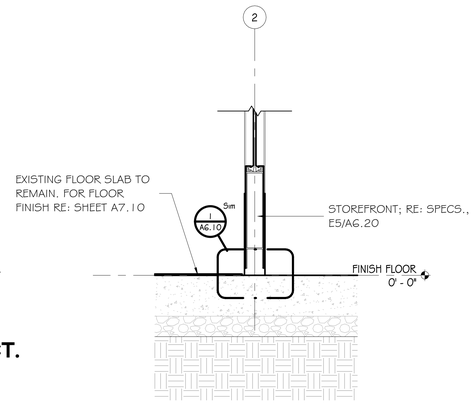
H7 INFILL HEAD DEAIL AT EXISTING WALL
SCALE: 1:6



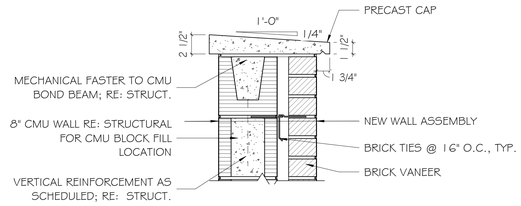
F4 CMU TO DECK
SCALE: 11/2" = 1'-0"



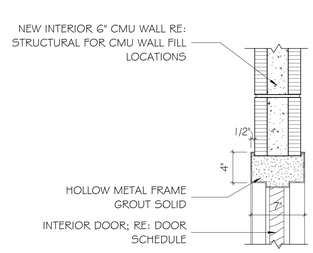
F7 0M6 HEADER TO EXISTING CONC. STRUCT.
SCALE: 11/2" = 1'-0"



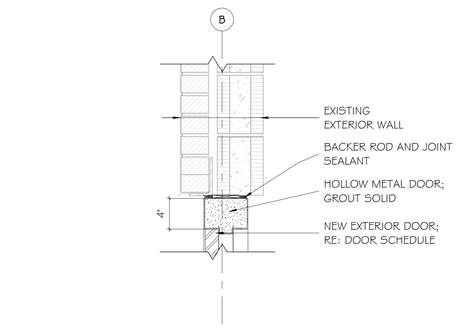
E10 DOOR SILL AT SF-10
SCALE: 1:6



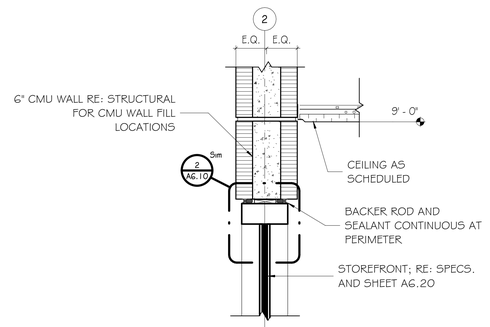
D1 PRECAST CAP AT GRIDING AREA
SCALE: 11/2" = 1'-0"



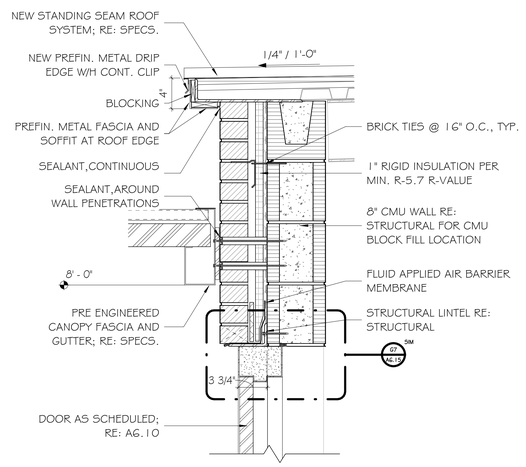
D5 HEADER AT TYP. OFFICE DOOR
SCALE: 11/2" = 1'-0"



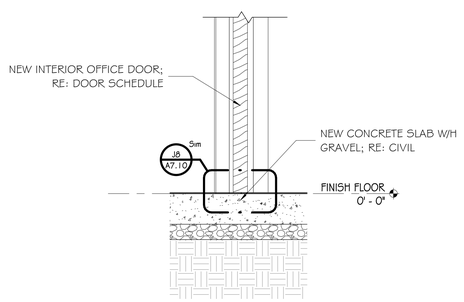
D7 HEADER AT TYP. EXTERIOR DOOR
SCALE: 11/2" = 1'-0"



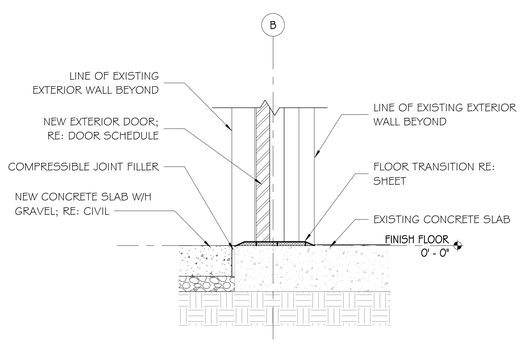
C10 DOOR HEADER AT SF-10
SCALE: 1:6



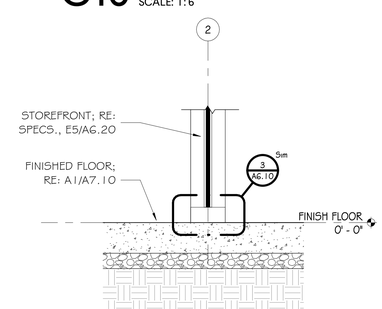
A1 NEW EXTERIOR WALL AT STORAGE UNITS
SCALE: 11/2" = 1'-0"



A5 SILL AT TYP. OFFICE DOOR
SCALE: 11/2" = 1'-0"



A7 SILL AT TYP. EXTERIOR DOOR
SCALE: 11/2" = 1'-0"



A10 SILL AT SF-10
SCALE: 11/2" = 1'-0"

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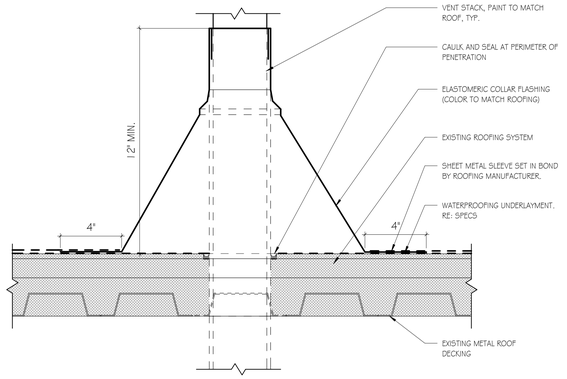
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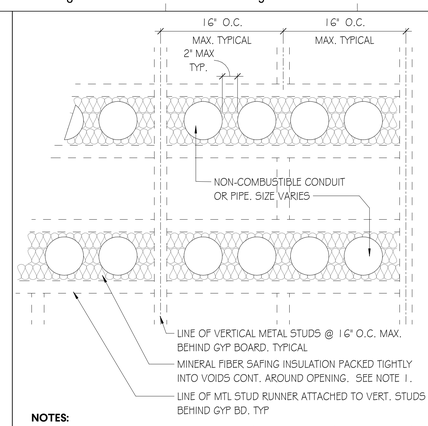
SECTION DETAILS

A5.31

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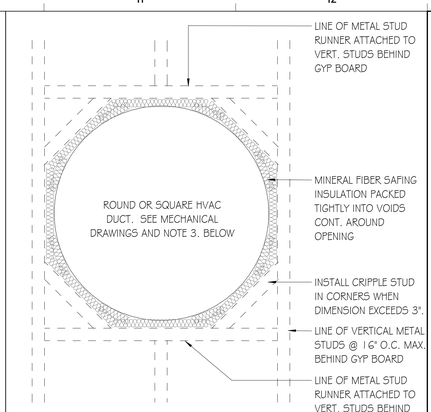
G9 DETAIL - ROOF PENETRATIONS
SCALE: 3" = 1'-0"



NOTES:
1. AT FIRE-RATED AND/OR SMOKE-RATED PARTITIONS, SEAL PENETRATION PER TESTED "THROUGH PENETRATION FIRESTOP SYSTEM". COMPLY WITH THE REQUIREMENTS OF IBC SECTIONS 712.3 AND 8.2.3.2.4, AND WITH SPECIFICATION SECTION 078413 - PENETRATION FIRESTOPPING.
2. AT NON-RATED PARTITIONS: CUT GYPSUM BOARD TIGHT TO CONDUIT OR PIPE (1/4" MAX. GAP AROUND PENETRATION) AND SEAL WITH FLEXIBLE SEALANT AS REQUIRED.
3. IF PIPE IS TO BE INSULATED, DO NOT RUN PIPE INSULATION THROUGH THE WALL. FLARE PIPE INSULATION ONTO FACE OF WALL AROUND PIPE ON BOTH SIDES OF WALL AND SEAL PIPE INSULATION TO FACE OF WALL WITH INSULATION MASTIC.

APPLICABLE TO NON-COMBUSTIBLE PIPE/ CONDUIT ONLY

G8 MULTIPLE PIPE/ CONDUIT PENETRATIONS
SCALE: 1 1/2" = 1'-0"



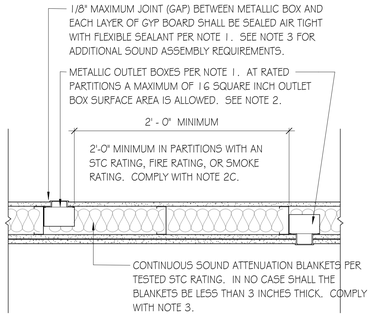
NOTES:
1. AT FIRE-RATED AND/OR SMOKE-RATED PARTITIONS, SEAL PENETRTION PER TESTED "THROUGH PENETRATION FIRESTOP SYSTEM". COMPLY WITH THE REQUIREMENTS OF IBC SECTION 712.3.3 AND WITH SPECIFICATION SECTION 078413 - PENETRATION FIRESTOPPING.
2. AT NON-RATED PARTITIONS: CUT GYPSUM BOARD TIGHT TO DUCT (1/4" MAX. GAP AROUND PENETRATION) AND SEAL WITH FLEXIBLE SEALANT AS REQUIRED
3. IF DUCT IS TO BE INSULATED, DO NOT RUN DUCT INSULATION THROUGH THE WALL. FLARE DUCT INSULATION ONTO FACE OF WALL AROUND DUCT ON BOTH SIDES OF WALL AND SEAL DUCT INSULATION TO FACE OF WALL WITH INSULATION MASTIC

G10 DETAIL - DUCT PENETRATIONS
SCALE: 1 1/2" = 1'-0"

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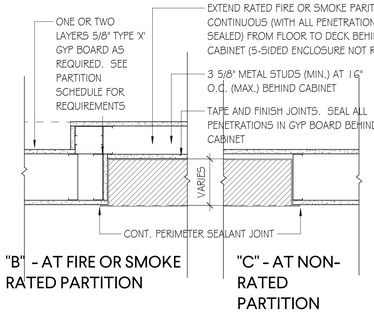
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NOTES:

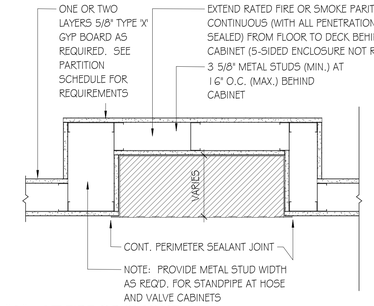
1. IN ALL WALLS AND PARTITIONS:
   - A. THIS DETAIL APPLIES TO ALL METALLIC ELECTRICAL OUTLET BOXES RECESSED INTO FIRE-RATED OR NON-RATED WALLS AND PARTITIONS.
   - B. THE JOINT (GAP) BETWEEN THE OUTLET BOX AND ALL LAYERS OF GYP BOARD (360 DEGRESS AROUND THE BOX) SHALL BE A MAXIMUM OF 1/8 INCH. THIS JOINT SHALL BE SEALED AIR-TIGHT WITH FLEXIBLE SEALANT FOR THE FULL DEPTH OF ALL LAYERS OF GYP BOARD.
2. IN ALL FIRE-RATED AND SMOKE-RATED WALLS AND PARTITIONS:
   - A. COMPLY WITH NOTE 1 ABOVE.
   - B. THE SURFACE AREA OF EACH INDIVIDUAL RECESSED METALLIC ELECTRICAL BOX SHALL NOT EXCEED 16 SQUARE INCHES AND THE AGGREGATE SURFACE AREA OF ALL RECESSED BOXES SHALL NOT EXCEED 100 SQUARE INCHES PER 100 SQUARE FEET OF WALL SURFACE. RECESSED BOXES WHICH EXCEED EITHER OF THESE REQUIREMENTS SHALL BE RECESSED AS SHOWN IN "RECESSED METAL WALL CABINETS" DETAILS "A" OR "C" AS APPLICABLE.
   - C. METALLIC OUTLET BOXES LOCATED ON OPPOSITE SIDES OF PARTITIONS SHALL BE IN SEPARATE STUD CAVITIES AND SHALL BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24 INCHES (REGARDLESS OF THE VERTICAL SEPARATION BETWEEN THE RECESSED BOXES) OR THE CONTRACTOR SHALL OPROVIDE PUTTY PADS TO COMPLY WITH THE REQUIREMENTS OF IBC SECTION 712.3.2, NFPA 101 SECTION 8.2.3.2.4.
   - D. COMPLY WITH ALL REQUIREMENTS OF IBC SECTION 712.3.2, NFPA 101 SECTION 8.2.3.2.4, CURRENT EDITION OF U.L. FIRE RESISTANCE DIRECTORY, VOLUME 1, DESIGN INFORMATION SHEET, UNDER "VI. WALL AND PARTITION ASSEMBLIES", AND UNDER "G. METALLIC ELECTRICAL OUTLET BOXES", AND GYPSUM ASSOCIATION GA-600 FIRE RESISTANCE DESIGN MANUAL UNDER "GENERAL EXPLANATORY NOTES";
   - E. NOTE: METALLIC ELECTRICAL OUTLET BOXES CANNOT BE RECESSED INTO ANY
3. WALL OR PARTITION WITH A RATING GREATER THAN 2-HOURS.
   FOR WALLS OR PARTITIONS WITH A REQUIREMENT FOR AN STC RATING"
   - A. COMPLY WITH NOTES 1 & 2C ABOVE.
   - B. PROVIDE FLEXIBLE ACOUSTICAL SEALANT, SOUND ATTENUATION BLANKETS, APPROPRIATE TYPES & LAYERS OF GYP BOARD, ETC. TO COMPLY WITH TESTED
4. SOUND ASSEMBLY.
   FOR NON-RATED EXTERIOR WALLS:
   - A. PROVIDE FLEXIBLE ACOUSTICAL SEALANT. COMPLY WITH NOTE 1 ABOVE. MAINTAIN "AIR-TIGHT" EXTERIOR WALLS AT ALL TIMES.

A3 RECESSED METALLIC WALL BOXES
SCALE: 1 1/2" = 1'-0"



"B" - AT FIRE OR SMOKE RATED PARTITION

"C" - AT NON-RATED PARTITION

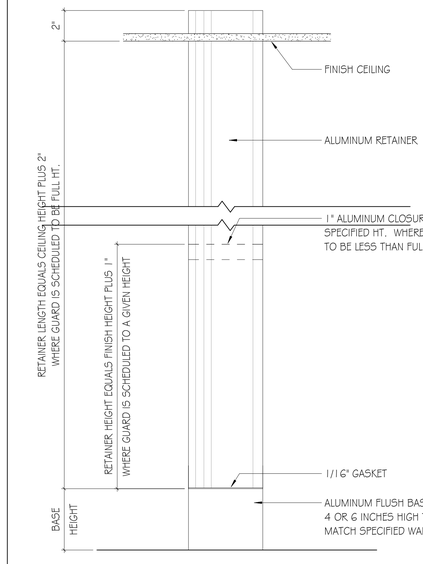


"A" - AT FIRE OR SMOKE RATED PARTITION

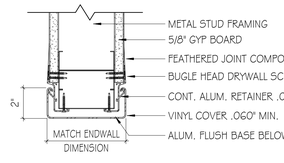
APPLICABLE TO: ELECTRICAL PANELS, FIRE EXTINGUISHER CABINETS, VALVE CABINETS, X-RAY WALL DUCTS, MED GAS ALARM PANELS, MED GAS OUTLETS, ETC., THAT ARE GREATER THAN 16 SQUARE INCHES FACE SIZE

NOTE: SEE FLOOR PLANS FOR LOCATIONS OF LEAD-LINING. MAINTAIN CONTINUITY OF LEAD-LINING AT ALL WALL PENETRATIONS

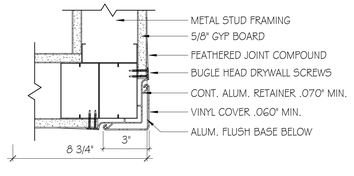
A5 RECESSED METALLIC WALL CABINETS
SCALE: 1 1/2" = 1'-0"



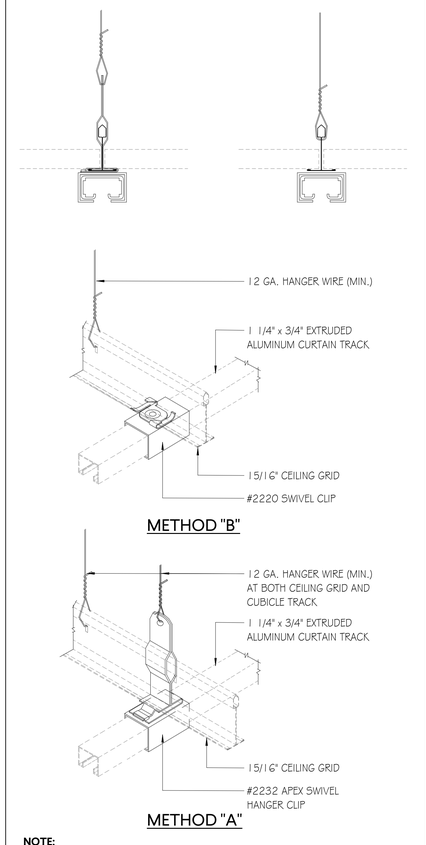
C8 CORNER/END RETAINER W/FLUSH BASE
SCALE: 3" = 1'-0"



B8 END WALL GUARD, FLUSH
SCALE: 3" = 1'-0"



A8 CORNER GUARD, FLUSH
SCALE: 3" = 1'-0"



NOTE:
1. METHOD A: CUBICLE TRACK MUST BE SUPPORTED FROM STRUCTURE ABOVE. DO NOT USE CEILING GRID FOR SUPPORT.
2. METHOD B: CUBICLE TRACK MUST BE SUPPORTED FROM MAIN TEES OR CROSS TEES THAT ARE SUPPORTED FROM STRUCTURE ABOVE. ALL TEES USED FOR TRACK SUPPORT MUST BE SUPPORTED FROM STRUCTURE ABOVE BY HANGER WIRE.
3. COMPLY WITH SPECIFICATION SECTION 102123 - CUBICLE CURTAINS AND TRACK.

A10 DETAIL - CUBICLE TRACK
SCALE: 6" = 1'-0"

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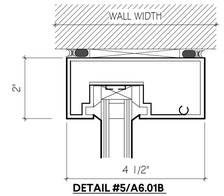
MISC DETAILS

A5.80

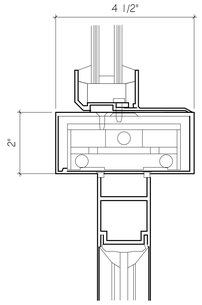
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DOOR SCHEDULE

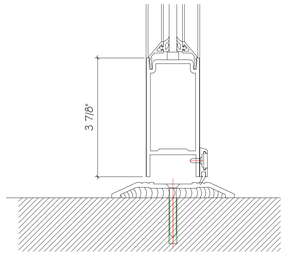
LOCATION		SIZE			DOOR			FRAME				HARDWARE	DETAILS		
DOOR NUMBER	ROOM NAME	WIDTH	HT	THK	DOOR TYPE	MAT'L	GLASS OR LOUVER TYPE	FRAME TYPE	MAT'L	GLASS TYPE	Fire Rating	HARDWARE SET NO.	HEAD	JAMB	Comments
100A	MENS	3' - 0"	7' - 0"	13/4"	F	WD	-	F13	HM	-		A11	A1/A6.15	C11/A6.15	
100B	WOMENS	3' - 0"	7' - 0"	13/4"	F	WD	-	F13	HM	-		A11	A1/A6.15	C11/A6.15	
100C	WELDING LAB	3' - 0"	7' - 0"	13/4"	N3	WD	G	F13	HM	G7	45 MIN	A06	A1/A6.15	C11/A6.15	
100D	COORIDOR	6' - 0"	7' - 0"	2"	GL	AL/GL	G	SF/CW	AL	G1		AL-01	1	4	02
101	COORIDOR	6' - 0"	7' - 0"	2"	GL	AL/GL	G	SF/CW	AL	G1		AL-04	C10/A6.15	C10/A6.15	
102	CLASSROOM 1	3' - 0"	7' - 0"	13/4"	F	HM	-	F13	HM	-		A08	E6/A6.15	C3/A6.15	
103	OFFICE	3' - 0"	7' - 0"	13/4"	F	HM	-	F13	HM	-		A07	E6/A6.15	C3/A6.15	
104	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD	G	F9	HM	G7	45 MIN	A05	A1/A6.15	C11/A6.15	
105	TOOL STORAGE	4' - 0"	7' - 0"	13/4"	F	HM	-	F13	HM			A10	A1/A6.15	C11/A6.15	
106	DATA	3' - 0"	7' - 0"	13/4"	F	WD	-	F13	HM	-	90 MIN	A03	A1/A6.15	C11/A6.15	
107A	ELECTRICAL	3' - 0"	7' - 0"	13/4"	F	WD		F13	HM		45 MIN	A09	A1/A6.15	C11/A6.15	
107B	ELECTRICAL	3' - 0"	6' - 8"	13/4"	F	HM	-	F13	HM	-		A01	D7/A5.31	C6/A6.15	12
107C	MECHANICAL	3' - 0"	7' - 0"	13/4"	F	HM	-	F13	HM	-	45 MIN	A03	E6/A6.15	C3/A6.15	
107D	MECHANICAL	3' - 0"	7' - 0"	13/4"	F	HM	-	F13	HM	-		A01	D7/A5.31	C6/A6.15	
108	JANITOR	3' - 0"	7' - 0"	13/4"	F	HM	-	F13	HM	-		A04	E6/A6.15	C3/A6.15	
109A	WELDING LAB	3' - 0"	6' - 8"	13/4"	F	HM	-	F13	HM	-		A02	D7/A5.31	C6/A6.15	12
109B	WELDING LAB	3' - 0"	6' - 8"	13/4"	F	HM	-	F13	HM	-		A02	D7/A5.31	C6/A6.15	12
109C	WELDING LAB	3' - 0"	6' - 8"	13/4"	F	HM	-	F13	HM	-		A02	D7/A5.31	C6/A6.15	12
109D	WELDING LAB	3' - 0"	6' - 8"	13/4"	F	HM	-	F13	HM	-		A14	D7/A5.31	C6/A6.15	01,12
109E	WELDING LAB	3' - 0"	6' - 8"	13/4"	F	HM	-	F13	HM	-		A02	D7/A5.31	C6/A6.15	12
109F	WELDING LAB	3' - 0"	6' - 8"	2"	GL	AL/GL	G	SF/CW	AL	G1		AL-03	G6/A5.30	E10/A5.31	02,12
109G	WELDING LAB	3' - 0"	6' - 8"	2"	GL	AL/GL	G	SF/CW	AL	G1		AL-03	G6/A5.30	E10/A5.31	02,12
110	DATA CLOSET	3' - 0"	7' - 0"	13/4"	F	WD	-	F13	HM	-		A03	A1/A6.15	C11/A6.15	
111A	MENS	3' - 0"	7' - 0"	13/4"	F	WD	-	F13	HM	-		A11	A1/A6.15	C11/A6.15	
111B	WOMENS	3' - 0"	7' - 0"	13/4"	F	WD	-	F13	HM	-		A11	A1/A6.15	C11/A6.15	
111C	CORRIDOR	3' - 0"	7' - 0"	13/4"	N3	WD	G	F13	HM	G7	45 MIN	A06	A1/A6.15	C11/A6.15	
111D	CORRIDOR	6' - 0"	7' - 0"	2"	GL	AL/GL	G	SF/CW	AL	G1		AL02	1	4	02,12
112	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD	G	F9	HM	G7	45 MIN	A05	A1/A6.15	C11/A6.15	
113	OFFICE	3' - 0"	7' - 0"	13/4"	F	HM	-	F13	HM	-		A07	E6/A6.15	C3/A6.15	
114	CLASSROOM 2	3' - 0"	7' - 0"	13/4"	F	HM	-	F13	HM	-		A08	E6/A6.15	C3/A6.15	
115	TOOL STORAGE	4' - 0"	7' - 0"	13/4"	F	HM	-	F13	HM			A10	A1/A6.15	C11/A6.15	
118	MECH. STORAGE	6' - 0"	7' - 0"	13/4"	F	HM	-	F13	HM	-		A13	G7/A6.15	C6/A6.15	
119	HAZARDOUS STORAGE	3' - 0"	7' - 0"	13/4"	F	HM	-	F13	HM	-		A01	G7/A6.15	C6/A6.15	
RS01	EMPTY CANISTER STORAGE	6' - 4"	6' - 8"	3/4"	RS	AL						A12	F2/A6.15	E8/A6.15	04
RS02	FULL CANISTER STORAGE	6' - 4"	6' - 8"	3/4"	RS	AL						A12	F2/A6.15	E8/A6.15	04
RS03	WELDING LAB	13' - 4"	10' - 0"	3/4"	RS	AL	-			-		A12		E8/A6.15	04,12
RS04	WELDING LAB	13' - 4"	10' - 0"	3/4"	RS	AL	-			-		A12		E8/A6.15	04,12
RS-05	WELDING LAB	13' - 4"	10' - 0"	3/4"	RS	AL	-			-		A12		E8/A6.15	04,12



DETAIL #5/A6.01B
TRANSOM HEAD

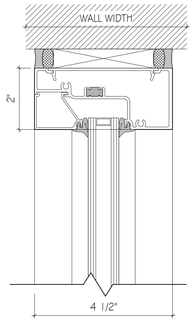


DETAIL #6/A6.01B
TRANSOM BAR

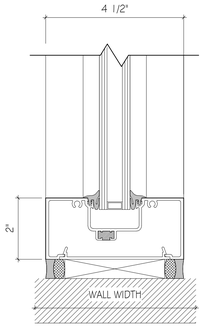


DETAIL #7/A6.01B
BOTTOM RAIL @ THRESHOLD

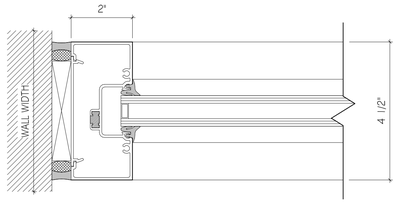
1 TYP. SF DOOR AND TRANSOM
SCALE: 6" = 1'-0"



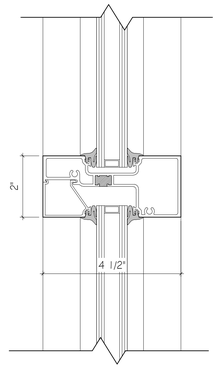
2 TYP. SF HEAD
SCALE: 6" = 1'-0"



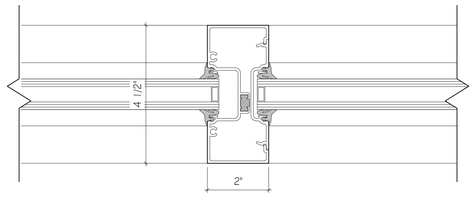
3 TYP. SF SILL
SCALE: 6" = 1'-0"



4 TYP. SF JAMB
SCALE: 6" = 1'-0"



5 TYP. SF HORIZONTAL MULLION
SCALE: 6" = 1'-0"



6 TYP. SF VERTICAL MULLION
SCALE: 6" = 1'-0"

DOOR NUMBERED NOTES

01 AUTOMATIC DOOR OPERATOR, SEE SPECIFICATION 08 7100
02 ALUMINUM-FRAMED ENTRANCE DOORS, SEE SPECIFICATIONS
03 ALL-GLASS ENTRANCE DOORS, SEE SPECIFICATIONS
04 OVERHEAD COILING DOOR, SEE SPECIFICATIONS
05 EGRESS - EXIT ONLY DOOR
06 PROVIDE OVERALL DOOR WIDTH AS REQ'D FOR CLEAR DOOR OPNG TO BE 36" MIN.
07 PROVIDE OVERALL DOOR WIDTH AS REQ'D FOR CLEAR DOOR OPNG TO BE 42" MIN.
08 PROVIDE OVERALL DOOR WIDTH AS REQ'D FOR CLEAR DOOR OPNG TO BE 46" MIN.
09 PROVIDE OVERAL DOOR WIDTH AS REQ'D FOR CLEAR DOOR OPNG TO BE 48" MIN.
10 PROVIDE OVERALL DOOR WIDTH AS REQ'D FOR CLEAR DOOR OPNG TO BE 60" MIN.
11 PROVIDE OVERALL DOOR WIDTH AS REQ'D FOR CLEAR DOOR OPNG TO BE 72" MIN.
12 DOOR ROUGH OPENING HEIGHT AND WIDTH VARIES, VERIFY IN FIELD (V.I.F.)
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28

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)
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"):

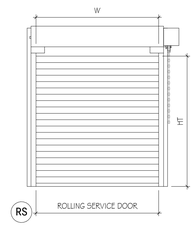
MONOLITHIC:		
G1	6.0mm	CLEAR, TEMPERED (INCREASE TO 12.0mm TH. AT 2-SIDED GLAZING)
G1A	6.0mm	CLEAR, HEAT STRENGTHENED
G2	6.0mm	ULTRACLEAR, TEMPERED
G3	4.0mm(x2)	ULTRACLEAR, TEMPERED, 2 LITES + INTEGRAL BLINDS
G4	7.5mm	CLEAR, LAMINATED, INTERLAYER COLOR: CLEAR
G5	7.5mm	ULTRACLEAR, LAMINATED, INTERLAYOR 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:

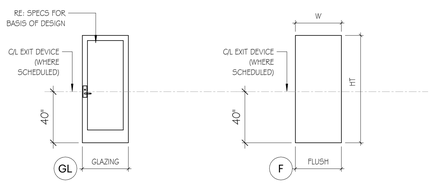
L1	30" W X 20" H, 55% FREE AREA, WEATHER RESISTANT, W/ INSECT SCREEN
L2	A" W X B" H, LIGHT PROOF

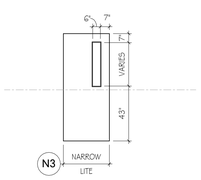
5) DOOR HARDWARE:
A. "HARDWARE SET NUMBER" REFERS TO HARDWARE SETS SPECIFIED IN SPECIFICATION SECTION 08 7100 "DOOR HARDWARE".

DOOR TYPES - SPECIALTY DOORS

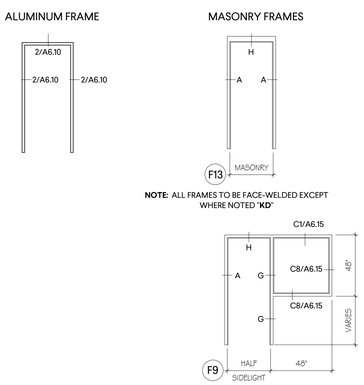


DOOR TYPES - WOOD + HOLLOW METAL+ GLAZING SWING DOORS

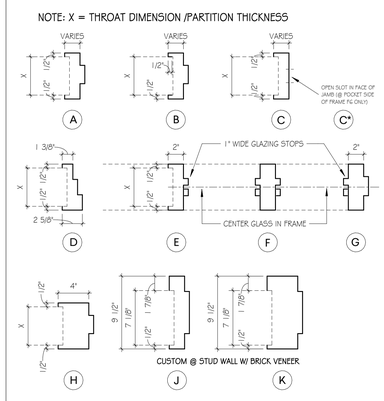




FRAME TYPES - HOLLOW METAL + ALUMINUM



FRAME PROFILES



GMC
Goodwyn Mills Cawood, LLC
100 N. Gay Street
Suite 300
Auburn, AL 36830
T 334.271.3200
GMCNETWORK.COM

ISSUE DATE
BID SET 06/02/2026

DRAWN BY: Author
CHECKED BY: Checker

LBW CC - NAVY MIB WELDING - OPP BUILDING D
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

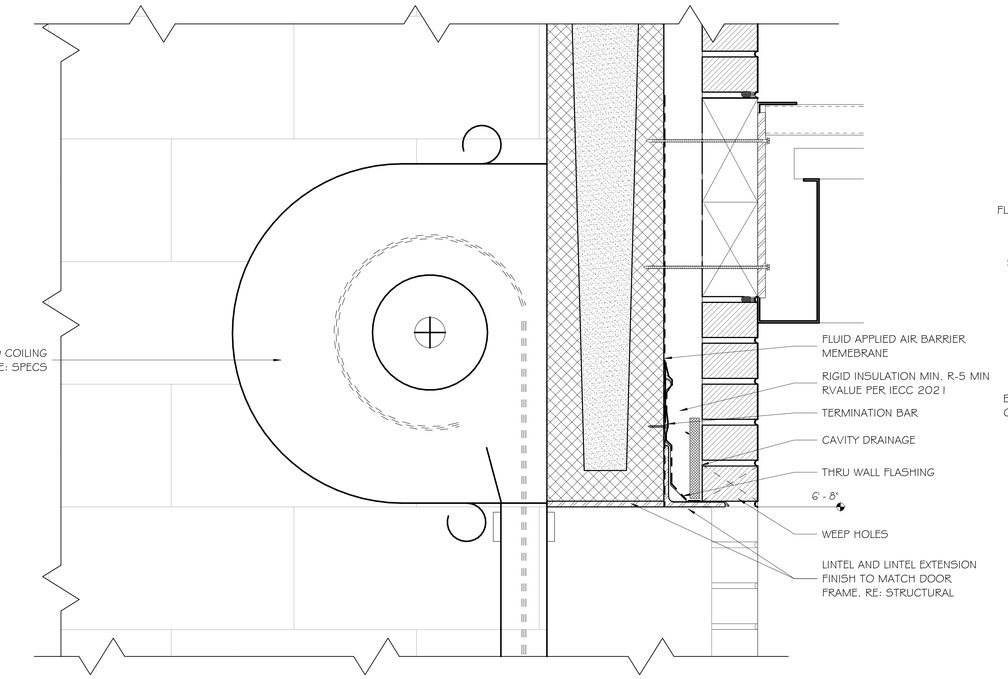
ACCS 2025.161.LBWCC
GMC # AMGM260016

STATE OF ALABAMA
F.E. LYNN, JR.
3645
REGISTERED ARCHITECT
06/02/2026

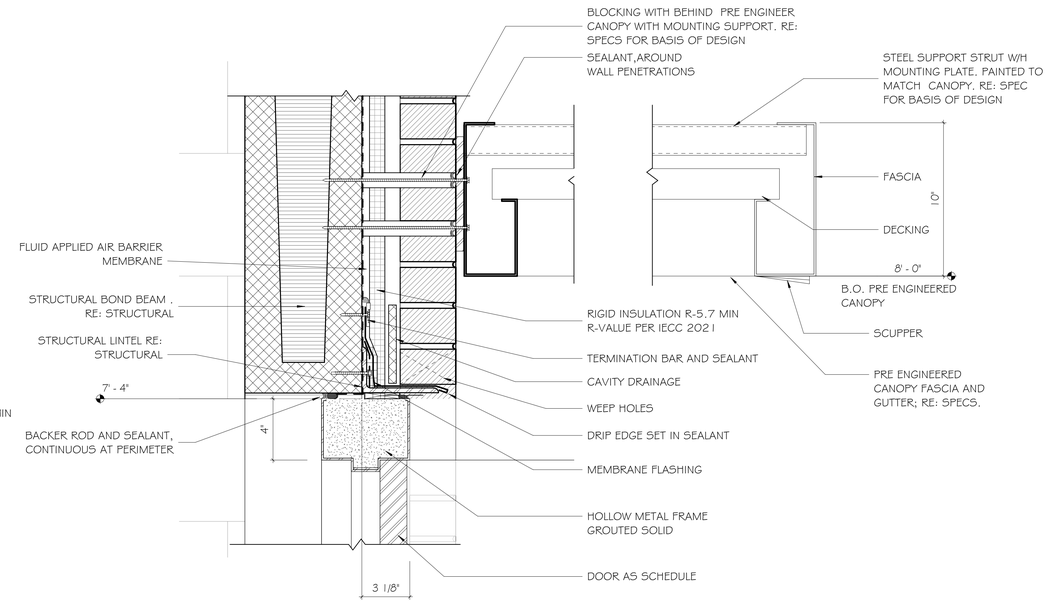
DOOR SCHEDULE

A6.10

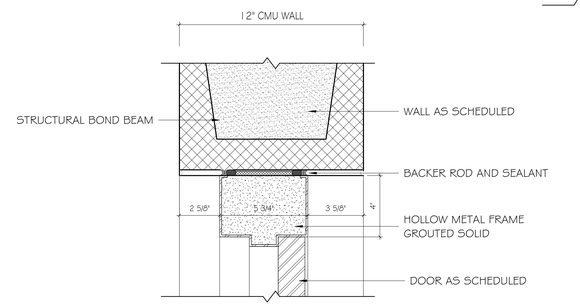
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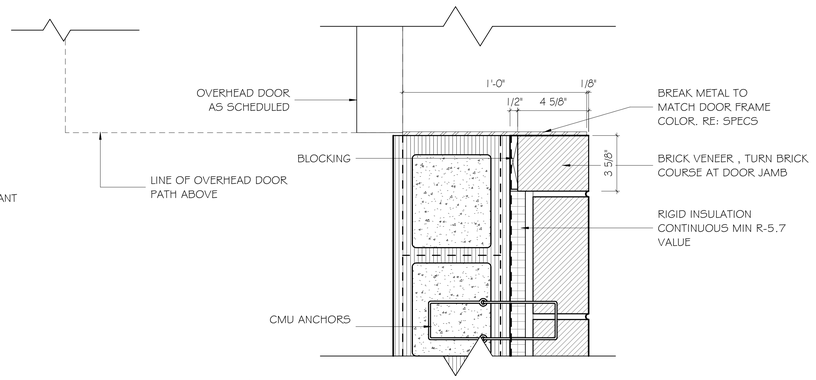
F2 EXT. O.H. DOOR @ VENEER HEAD
SCALE: 3" = 1'-0"



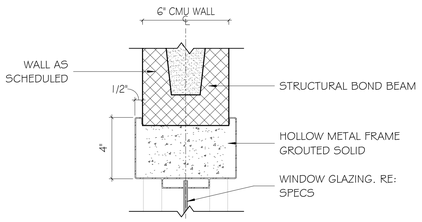
G7 EXT. DR. @ VENEER HEAD
SCALE: 3" = 1'-0"



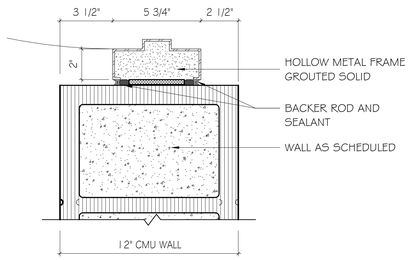
E6 INT. CMU 12" DOOR HEAD
SCALE: 3" = 1'-0"



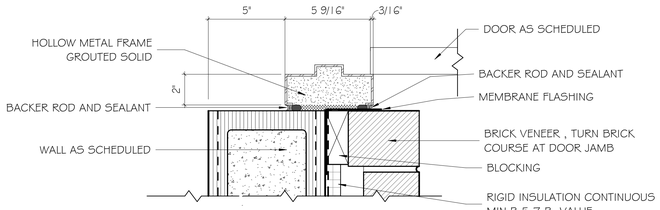
E8 EXT. O.H. DOOR @ VENEER JAMB
SCALE: 3" = 1'-0"



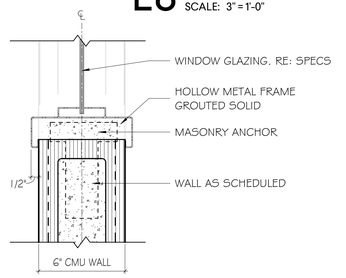
C1 INT. CMU WINDOW HEAD
SCALE: 3" = 1'-0"



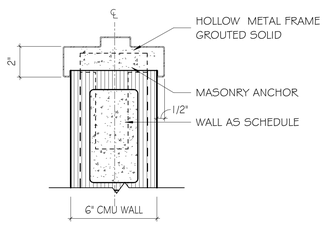
C3 INT. CMU 12" DOOR JAMB
SCALE: 3" = 1'-0"



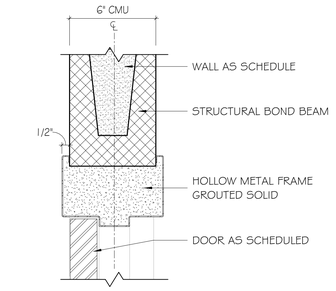
C6 EXT. VENEER DOOR JAMB
SCALE: 3" = 1'-0"



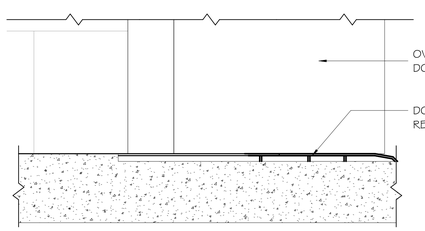
C8 INT. CMU WINDOW JAMB
SCALE: 3" = 1'-0"



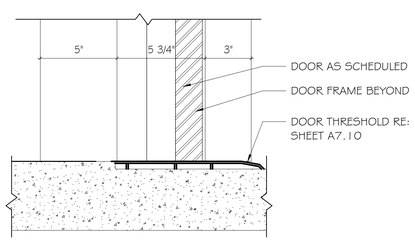
C11 INT. CMU DOOR JAMB
SCALE: 3" = 1'-0"



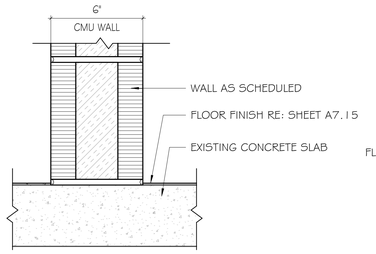
A1 INT. CMU DOOR HEAD
SCALE: 3" = 1'-0"



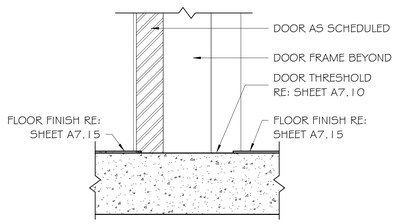
A3 EXT. O.H. DOOR @ VENEER SILL
SCALE: 3" = 1'-0"



A6 EXT. DR @ VENEER SILL
SCALE: 3" = 1'-0"



A8 INT. CMU WINDOW SILL
SCALE: 3" = 1'-0"



A11 INT. CMU DOOR SILL
SCALE: 3" = 1'-0"

GMC
Goodwyn Mills Cawood, LLC
100 N. Gay Street
Suite 300
Auburn, AL 36830
T 334.271.3200
GMCNETWORK.COM

ISSUE | DATE
BID SET | 06/02/2026

DRAWN BY: Author
CHECKED BY: Checker

LBW CC - NAVY MIB WELDING - OPP BUILDING D
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025 161 LBWCC
GMC # AMGM260016

STATE OF ALABAMA
F.E. LYNN, JR.
3645
REGISTERED ARCHITECT
06/02/2026

DOOR DETAILS

A6.15

TEMPLATE VERSION: 2025.1
6/2/2026 2:46:31 PM

GLASS SCHEDULE

GLASS TYPES INDICATED ON THE SCHEDULE ARE AS FOLLOWS (SEE SPECIFICATION SECTIONS 088000 "GLAZING" & 134900 "RADIATION PROTECTION"):

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 OF OPNG.
G5	4.0mm(x2)	ULTRACLEAR, TEMPERED, 2 LITES + INTEGRAL BLINDS
G6	12.5mm	SAFETY, LEAD BORATE GLASS, SEE SPECIFICATIONS
G7	12.5mm	SAFETY, LASER RATED, SEE SPECIFICATIONS

INSULATING:

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

SPECIALTY GLASS:

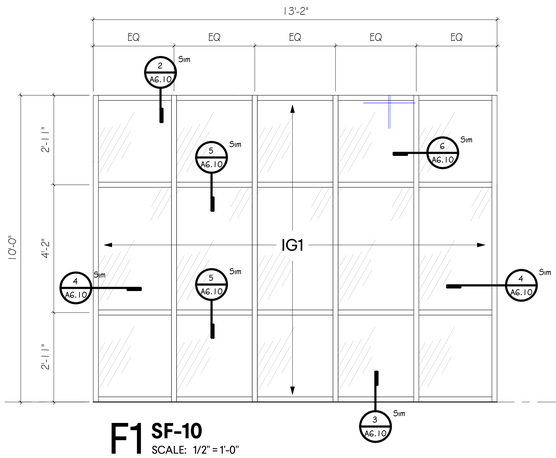
RG1	RF-SHIELDED GLASS AT MRI ROOM TO BE PROVIDED UNDER RF-SHIELDED ENCLOSURE PACKAGE

LOUVERS:

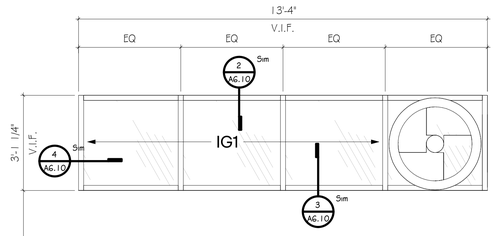
LV1	XX	REFER TO MECHANICAL DRAWINGS FOR LOUVER LOCATIONS AND TYPE

V.I.F.: VERIFY DIMENSIONS IN FIELD

WIND DESIGN PRESSURE
ZONE: X EXPOSURE: X
+ XX.X / - XX.X

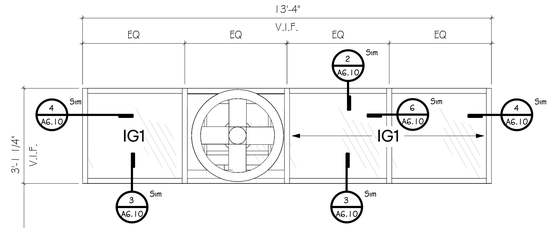


F1 SF-10
SCALE: 1/2" = 1'-0"



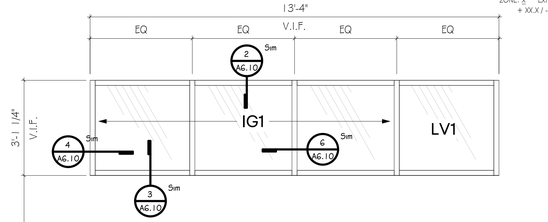
F4 SF-8
SCALE: 1/2" = 1'-0"

SEE M3.01 FOR WALL PROPELLER FAN DETAIL



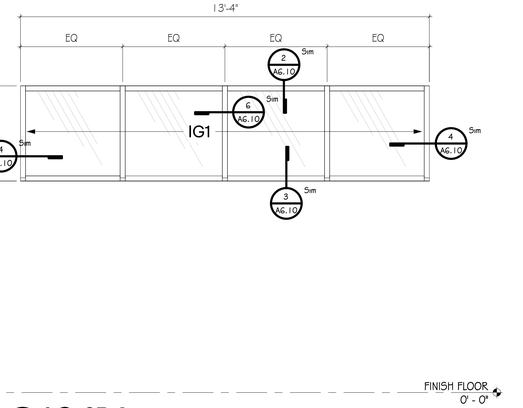
F7 SF-7
SCALE: 1/2" = 1'-0"

SEE M3.01 FOR WALL PROPELLER FAN DETAIL

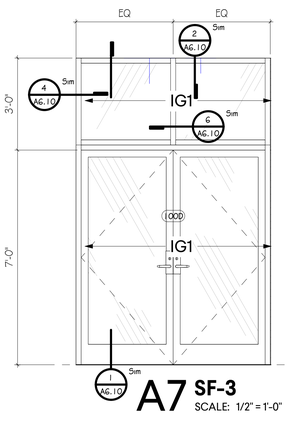


F10 SF-6
SCALE: 1/2" = 1'-0"

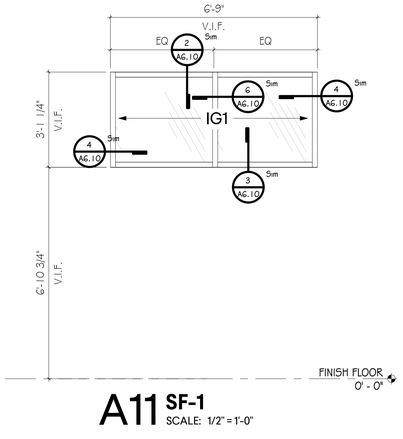
C2 SF-9
SCALE: 1/2" = 1'-0"



C10 SF-4
SCALE: 1/2" = 1'-0"



A7 SF-3
SCALE: 1/2" = 1'-0"



A11 SF-1
SCALE: 1/2" = 1'-0"

GMC

Goodwyn Mills Cawood, LLC
100 N. Gay Street
Suite 300
Auburn, AL 36830
T 334.271.3200
GMCNETWORK.COM

ISSUE	DATE
BID SET	06/02/2026

DRAWN BY: Author
CHECKED BY: Checker

LBW CC - NAVY MIB WELDING - OPP BUILDING D
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025 161 LBWCC
GMC # AMGM260016

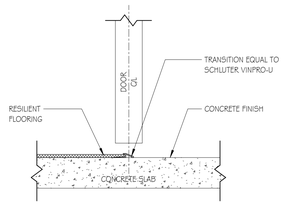
STATE OF ALABAMA
F.E. LYNN, JR.
3645
REGISTERED ARCHITECT

06/02/2026

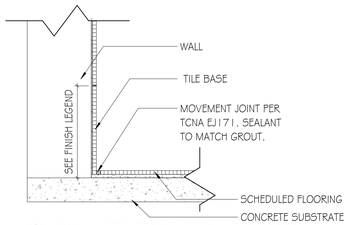
GLAZING & LOUVER SCHEDULES

A6.20

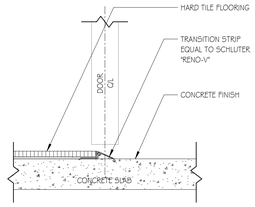
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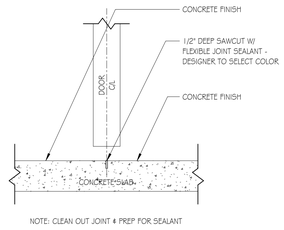
J1 09- RESILIENT TO CONCRETE - METAL
SCALE: 3" = 1'-0"



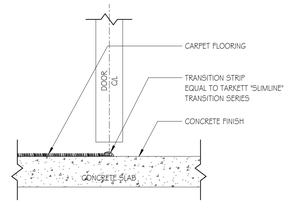
J3 09- HTF TO HTB - NO COVE
SCALE: 3" = 1'-0"



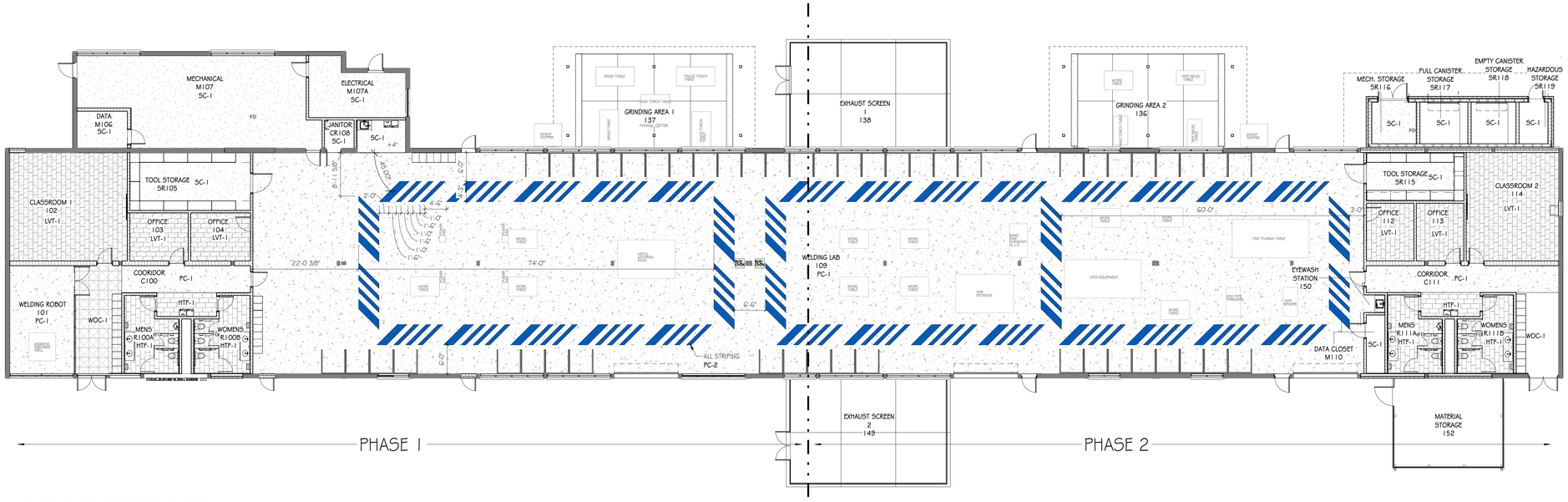
J6 09- HARD TILE TO CONCRETE
SCALE: 3" = 1'-0"



J8 09- POLISHED/STAINED CONCRETE TO SEALED CONCRETE
SCALE: 3" = 1'-0"



J11 09- CARPET TO CONCRETE
SCALE: 3" = 1'-0"



A1 FLOOR FINISH PLAN
SCALE: 3/32" = 1'-0"

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ACCS 2025161.LBWCC
GMC # AMGM260016

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FINISH PLAN

A7.10

6/2/2026 2:44:50 PM TEMPLATE VERSION: 2025.1

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

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

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-X) SILL U.N.O.

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

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

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 (REVISE THIS NOTE ACCORDINGLY)

- NON ADA TOILET FIXTURES SHALL BE CENTERED IN STALL

- 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.

- 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-3 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") - CONTRACTOR SHALL FIELD VERIFY EACH EXPOSED LOCATION WITH ARCHITECT AND OWNER PRIOR TO PAINTING.

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALL	MILLWORK/CASEWORK		COMMENTS
					CABINET	COUNTERTOP	
	EYEWASH STATION	SC-1		HTW-1		SS-1	
101	WELDING ROBOT	PC-1	RB-1	PNT-4			
102	CLASSROOM 1	LVT-1	RB-1	PNT-1			
103	OFFICE	LVT-1	RB-1	PNT-1			
104	OFFICE	LVT-1	RB-1	PNT-1			
109	WELDING LAB	PC-1	RB-1	PNT-1, PNT-4			PNT-4 LOWER 8'-0" ALL WALLS; PNT-1 ABOVE TO DECK
112	OFFICE	LVT-1	RB-1	PNT-1			
113	OFFICE	LVT-1	RB-1	PNT-1			
114	CLASSROOM 2	LVT-1	RB-1	PNT-1			
136	GRINDING AREA 2						
137	GRINDING AREA 1						
138	EXHAUST SCREEN 1						
149	EXHAUST SCREEN 2						
150	EYEWASH STATION	PC-1		HTW-1		SS-1	
152	MATERIAL STORAGE						
C100	COORIDOR	PC-1, HTF-1, WOC-1	RB-1	PNT-1			
C111	CORRIDOR	PC-1, HTF-1, WOC-1	RB-1	PNT-1			
CR108	JANITOR	SC-1	RB-1	N/A			
M106	DATA	SC-1	RB-1	PNT-1			
M107	MECHANICAL	SC-1	RB-1	PNT-1			
M107A	ELECTRICAL	SC-1	RB-1	N/A			
M110	DATA CLOSET	SC-1	RB-1	N/A			
R100A	MENS	HTF-1	HTB-1	HTW-1, PNT-1	PL-1	SS-1	
R100B	WOMENS	HTF-1	HTB-1	HTW-1, PNT-1	PL-1	SS-1	
R111A	MENS	HTF-1	HTB-1	HTW-1, PNT-1	PL-1	SS-1	
R111B	WOMENS	HTF-1	HTB-1	HTW-1, PNT-1	PL-1	SS-1	
SR105	TOOL STORAGE	SC-1	RB-1	PNT-1			
SR115	TOOL STORAGE	SC-1	RB-1	PNT-1			
SR116	MECH. STORAGE	SC-1	RB-1	PNT-1			
SR117	FULL CANISTER STORAGE	SC-1	RB-1	PNT-1			
SR118	EMPTY CANISTER STORAGE	SC-1	RB-1	PNT-1			
SR119	HAZARDOUS STORAGE	SC-1	RB-1	PNT-1			

TOILET ACCESSORIES SCHEDULE

TAG	DESCRIPTION	COMMENTS
TA01	TOILET TISSUE DISP - DBL. STD. ROLL W/SHELF	OFCI
TA10	PAPER TOWEL DISP - AUTO, ROLL, RESIN CABINET, SMALL	OFCI
TA13	WASTE RECEPTACLE, SURFACE MOUNT, LARGE	CFCI
TA19	BRADLEY SOAP DISP - FOAM, AUTOMATIC	OFCI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	CFCI
TA36	SANITARY NAPKIN DISPOSAL - SURF-MT, BOTTOM HINGED	CFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI

SPECIALTY EQUIPMENT SCHEDULE

TAG	DESCRIPTION	COMMENTS
S1	4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
S2	MARKER BOARD - 6'-0"W X 4'-0"H	CFCI
S3	2 TIER HEAVY DUTY LOCKER	CFCI
S4	UTILITY SHELVING - METAL - 36"W X 24"D X 84"H	CFCI
S5	UTILITY SHELVING - METAL - 36"W X 24"D X 84"H	CFCI

CASEWORK SCHEDULE

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

CDS #	CASEWORK TYPE	DESCRIPTION
ADA	BASE CAB	ADA SINK

FINISH LEGEND

FLOOR

NUMBER	TYPE	DETAIL DESCRIPTION
HTF-1	HARD FLOOR TILE	MANUFACTURER: DALTILE STYLE NAME: SLATE ATTACHE COLOR: META DARK GRAY SIZE: 12" X 24" INSTALLATION: STAGGERED GROUT: TBD LOCATION: WHERE NOTED
LVT-1	LUXURY VINYL TILE	MANUFACTURER: PATCRAFT STYLE NAME: TIMBER GROVE II COLOR: HEATHER SIZE: 5.96" X 48" / 5MM THICKNESS INSTALLATION: ASHLAR LOCATION: WHERE NOTED
SC-1	SEALED CONCRETE	MANUFACTURER: SHERWIN WILLIAMS STYLE NAME: 2 COATS CLEAR ARMORSEAL REXTHANE I W/ ANTI-SLIP ADDITIVE Ht& C SHARKGRIP LOCATION: WHERE NOTED
PC-1	POLISHED CONCRETE	MANUFACTURER: AMERIPOLISH COLOR: AP GRAY LOCATION: FINANCE PARK
PC-2	POLISHED CONCRETE	MANUFACTURER: AMERIPOLISH COLOR: PATRIOT BLUE LOCATION: FINANCE PARK
WOC-1	WALK-OFF CARPET	MANUFACTURER: BENTLEY MILLS STYLE NAME: ROUGH IDEA SHEAR COLOR: DESIGN 800116 SIZE: 24" X 24" LOCATION: WHERE NOTED

BASE

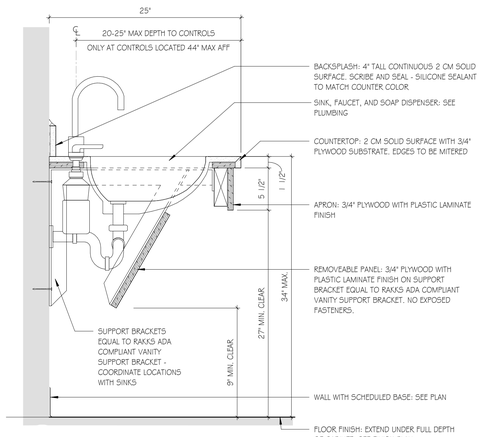
NUMBER	TYPE	DETAIL DESCRIPTION
RB-1	RUBBER BASE	MANUFACTURER: ROPPE STYLE NAME: PINNACLE COLOR: CHARCOAL SIZE / PROFILE: 4" / STANDARD TOE INSTALLATION: CONTINUOUS LOCATION: WHERE NOTED
HTB-1	HARD TILE BASE	MANUFACTURER: DALTILE STYLE NAME: SLATE ATTACHE COLOR: META DARK GRAY SIZE: 6" X 24" LOCATION: WHERE NOTED

WALL

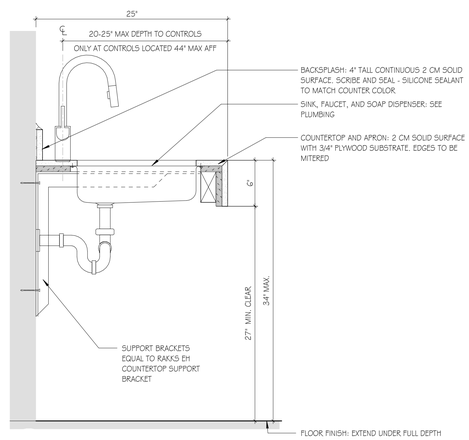
NUMBER	TYPE	DETAIL DESCRIPTION
PNT-1	[GENERAL/MAIN PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: AMAZING GRAY SW7044 LOCATION: WHERE NOTED
PNT-2	[TRIM PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: ANONYMOUS SW7046 LOCATION: WINDOW & DOOR TRIM
PNT-3	[MAIN CEILING/SOFFIT PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: PURE WHITE SW7005 LOCATION: CEILINGS
PNT-4	[ACCENT PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: INTELLECTUAL GRAY 7045 LOCATION: LABS
HTW-1	HARD WALL TILE	MANUFACTURER: DALTILE STYLE NAME: COLUMN GREY COLOR: ARTICULO INSTALLATION: HORIZONTAL STAGGERED GROUT: TBD LOCATION: WHERE NOTED

MISC

NUMBER	TYPE	DETAIL DESCRIPTION
PL-1	PLASTIC LAMINATE [TYP. FACE]	MANUFACTURER: FORMICA STYLE NAME/COLOR: PLATINUM MATTE FINISH 902-58 LOCATION: WHERE NOTED
SS-1	SOLID SURFACE	MANUFACTURER: CORIAN COLOR: ARTISTA DUST THICKNESS: 1/2" LOCATION: TYPICAL
TP-1	TOILET PARTITIONS	MANUFACTURER: ASI GLOBAL STYLE NAME: SOLID PLASTIC (HDPE) COLOR: CHARCOAL 9237 LOCATION: RESTROOMS
RS-1	ROLLER SHADES	MANUFACTURER: MECHOSYSTEMS STYLE NAME: SOHO COLLECTION SERIES COLOR: 1 % OPEN / 1103 BROOME SIZE: FIELD VERIFY LOCATION: WHERE NOTED



A7 **06 - ADA SINKBASE - TYPE SS-I-SS-B-25_NEW**
SCALE: 1 1/2" = 1'-0"



A10 **06 - ADA SINKBASE - TYPE SST-U-SSQ-C-25_NEW**
SCALE: 1 1/2" = 1'-0"

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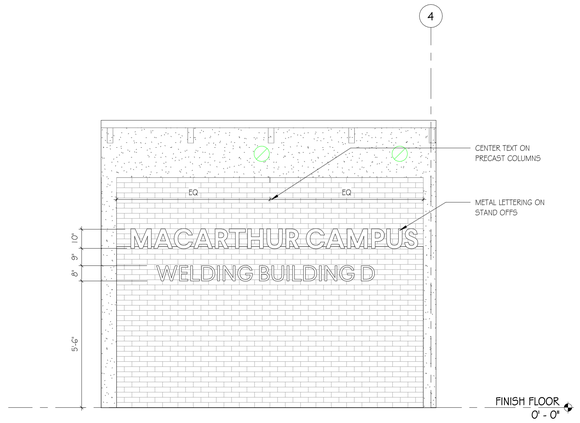
STATE OF ALABAMA
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FINISH LEGEND & SCHEDULE

A7.15

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SIGNAGE SCHEDULE				
PLAN NUMBER	PLAN NAME	SIGN TYPE	MESSAGE ROOM NAME	SIGNAGE COMMENTS
	EYEWASH STATION	-	-	
101	WELDING ROBOT	A3	TBD	
102	CLASSROOM 1	A3	TBD	
103	OFFICE	A3	TBD	
104	OFFICE	A3	TBD	
109	WELDING LAB	A3	TBD	
112	OFFICE	A3	TBD	
113	OFFICE	A3	TBD	
114	CLASSROOM 2	A3	TBD	
136	GRINDING AREA 2	-	-	
137	GRINDING AREA 1	-	-	
138	EXHAUST SCREEN 1	-	-	
149	EXHAUST SCREEN 2	-	-	
150	EYEWASH STATION	-	-	
152	MATERIAL STORAGE	-	-	
C100	COORIDOR	-	-	
C111	CORRIDOR	-	-	
CR108	JANITOR	A2	CUSTODIAL	
M106	DATA	A2	DATA	
M107	MECHANICAL	A2	MECH.	
M107A	ELECTRICAL	A2	ELECTRICAL	
M110	DATA CLOSET	A2	DATA	
R100A	MENS	A6	MENS	MAN SYMBOL & ADA SYMBOL
R100B	WOMENS	A6	WOMENS	WOMAN SYMBOL & ADA SYMBOL
R111A	MENS	A6	MENS	MAN SYMBOL & ADA SYMBOL
R111B	WOMENS	A6	WOMENS	WOMAN SYMBOL & ADA SYMBOL
SR105	TOOL STORAGE	A2	TOOL STORAGE	
SR115	TOOL STORAGE	A2	TOOL STORAGE	
SR116	MECH. STORAGE	A2	MECH. STORAGE	EXTERIOR GRADE
SR117	FULL CANISTER STORAGE	A2	EMPTY CAN STORAGE	EXTERIOR GRADE
SR118	EMPTY CANISTER STORAGE	A2	FULL CAN STORAGE	EXTERIOR GRADE
SR119	HAZARDOUS STORAGE	A2	HAZARDOUS STORAGE	EXTERIOR GRADE



FOR JOINT LAYOUTS - COORD WITH GC ON ATTACHMENT POINTS WITH EXISTING EXTERIOR SKIN CONDITIONS

1 MAIN ENTRANCE DIMENSIONAL SIGNAGE
SCALE: 3/8" = 1'-0"

SIGNAGE NOTES:

1. ALL SIGNS TO BE MECHANICALLY FASTENED TO WALL

2. DO NOT USE ROOM NUMBERS ON DRAWINGS - OWNER WILL PROVIDE NEW ROOM NUMBERS

3. ALL ROOM NAMES TO BE VERIFIED WITH OWNER.

4. ROOM SIGNAGE TO BE MOUNTED TO COMPLY WITH ADA 703.4.1. COORDINATE WTH ARCHITECT FOR ANY OBSTRUCTION ISSUES FOR MOUNTING SIGNS.

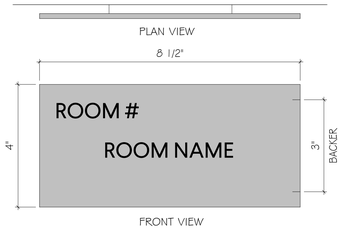
5. COMPLY WITH STANDARDS FOR ACCESSIBLE DESIGN - INCLUDING BUT NOT LIMITED TO SECTION 7.03. IT IS THE RESPONSIBILITY OF THE SIGNAGE SUPPLIER AND INSTALLER TO MEET ADA REQUIREMENTS FOR SIGNAGE FONT SIZE, BRAILLE TYPE, GRAPHIC SYMBOLS, CONTRAST, MOUNTING HEIGHTS, ETC. SHOP DRAWINGS SHALL CLEARLY ILLUSTRATE COMPLIANCE WITH CURRENT ADA STANDARDS.

6. PROVIDE SIGN PER DOOR FOR EACH ROOM.

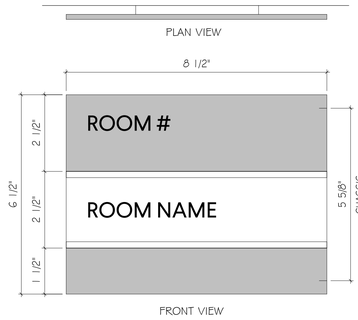
7. PROVIDE EXTERIOR GRADE SIGNS FOR ANY SIGNS ON EXTERIOR OF BUILDING.

SIGNAGE TYPES:

BASED ON APCO SIGNS ELEVATE SERIES



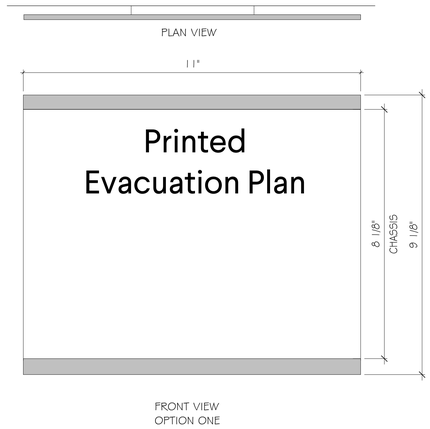
TYPE: A2 (EV85)
SIZE: 4" X 8.5"
MOUNTING: VT
QUANTITY: SEE SCHEDULE



TYPE: A3 (EV85)
SIZE: 8.5" 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

A1 SIGNAGE TYPES - APCO ELEVATE
SCALE: 6" = 1'-0"

GMC
Goodwyn Mills Cawood, LLC
100 N. Gay Street
Suite 300
Auburn, AL 36830
T 334.271.3200
GMCNETWORK.COM

ISSUE | DATE
BID SET | 06/02/2026

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LBW CC - NAVY MIB WELDING - OPP BUILDING D
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025.161.LBWCC
GMC # AMGM260016

STATE OF ALABAMA
F.E. LYNN, JR.
3645
REGISTERED ARCHITECT
06/02/2026

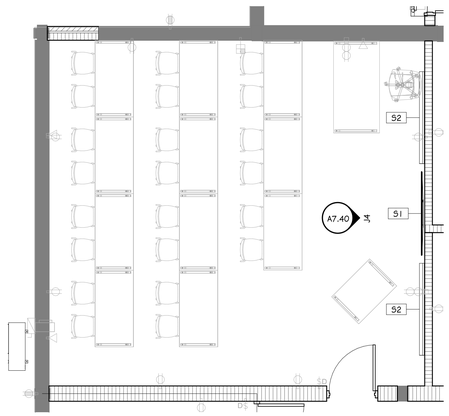
SIGNAGE SCHEDULES & DETAILS

A7.31

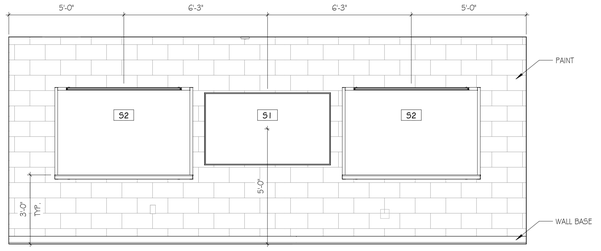
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SPECIALTY EQUIPMENT SCHEDULE		
TAG	DESCRIPTION	COMMENTS
51	4K SMART TV, SEE INTERIOR ELEVATION FOR ELEC. COORDINATION	OFCI
52	MARKER BOARD - 6'-0"W X 4'-0"H	CFCI
53	2 TIER HEAVY DUTY LOCKER	CFCI
54	UTILITY SHELVING - METAL - 36"W X 24"D X 84"H	CFCI
55	UTILITY SHELVING - METAL - 36"W X 24"D X 84"H	CFCI

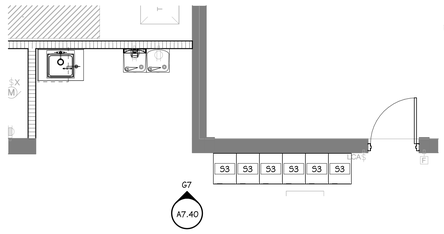
TOILET ACCESSORIES SCHEDULE		
TAG	DESCRIPTION	COMMENTS
TA01	TOILET TISSUE DISP - DBL. STD. ROLL W/SHELF	OFCI
TA10	PAPER TOWEL DISP - AUTO, ROLL, RESIN CABINET, SMALL	OFCI
TA13	WASTE RECEPTACLE, SURFACE MOUNT, LARGE	CFCI
TA19	BRADLEY SOAP DISP - FOAM, AUTOMATIC	OFCI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	CFCI
TA36	SANITARY NAPKIN DISPOSAL - SURF-MT, BOTTOM HINGED	CFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI



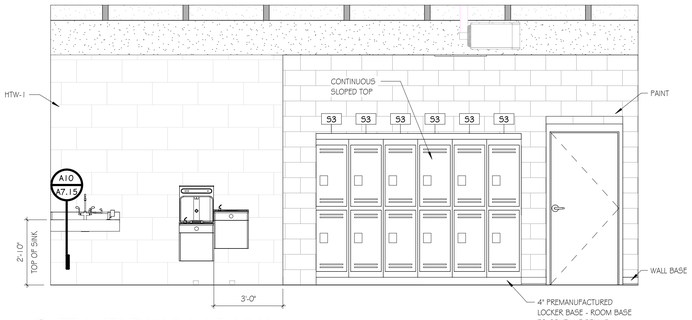
H1 ENLARGED CLASSROOM 102
SCALE: 1/4" = 1'-0"



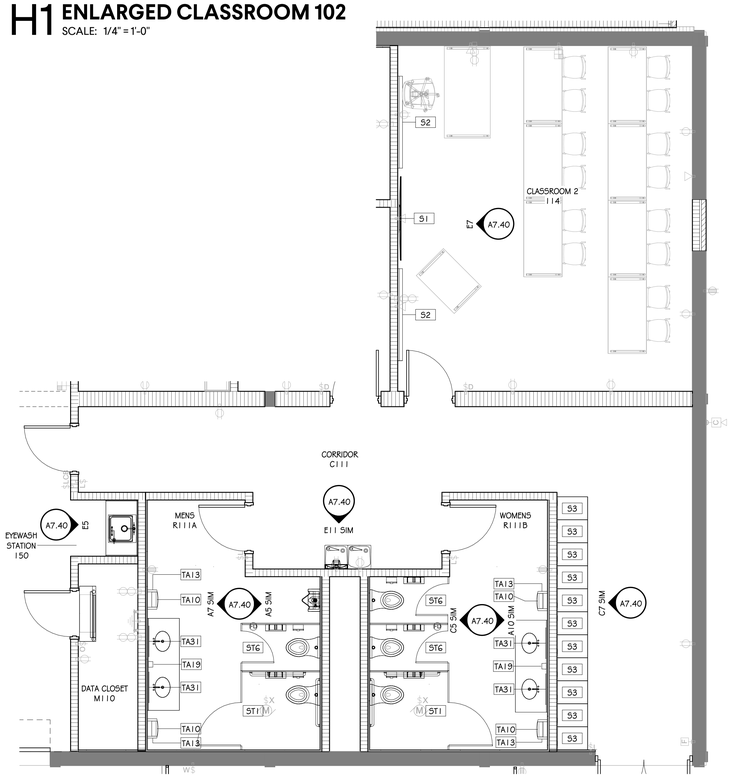
J4 CLASSROOM 126 EAST
SCALE: 3/8" = 1'-0"



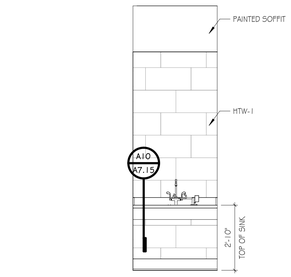
G5 WELDING LAB NW
SCALE: 1/4" = 1'-0"



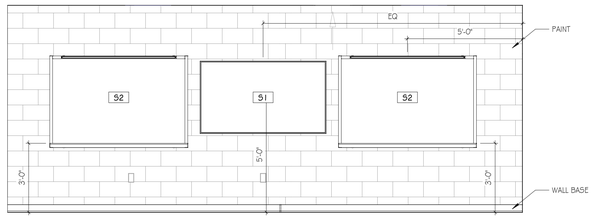
G7 WELDING LAB NW
SCALE: 3/8" = 1'-0"



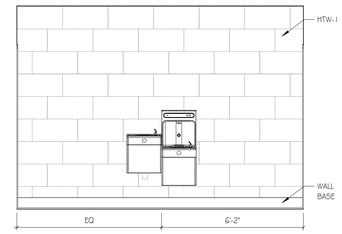
C1 ENLARGED MENS 111A, WOMENS 111B, & CLASSROOM 114
SCALE: 1/4" = 1'-0"



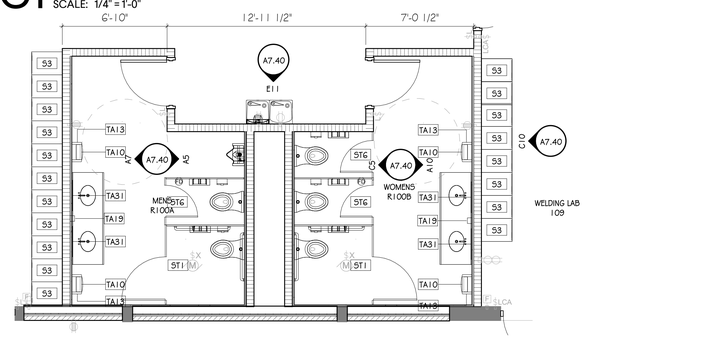
E5 EYEWASH STATION 2
SCALE: 3/8" = 1'-0"



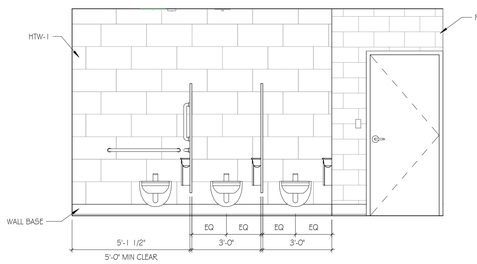
E7 CLASSROOM 142
SCALE: 3/8" = 1'-0"



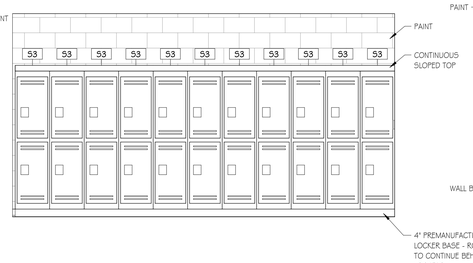
E11 WATERCOOLERS CORRIDOR C100
SCALE: 3/8" = 1'-0"



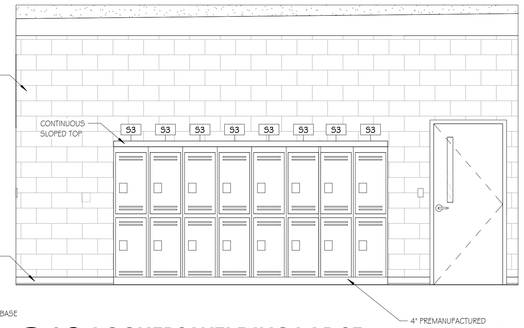
A1 ENLARGED MENS 100A & WOMENS 100B
SCALE: 1/4" = 1'-0"



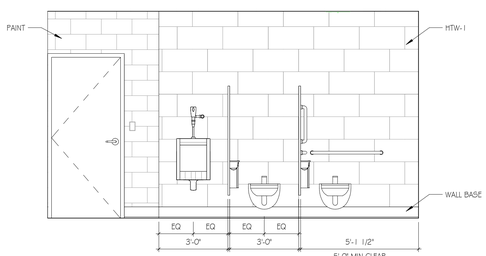
C5 ELEVATION - TYP. WOMENS RR - WEST
SCALE: 3/8" = 1'-0"



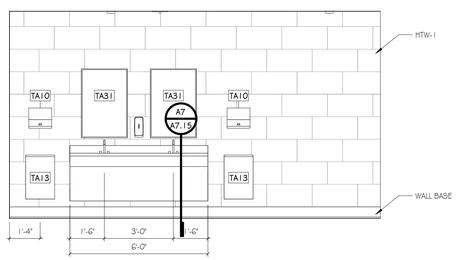
C7 LOCKERS HALLWAY H1
SCALE: 3/8" = 1'-0"



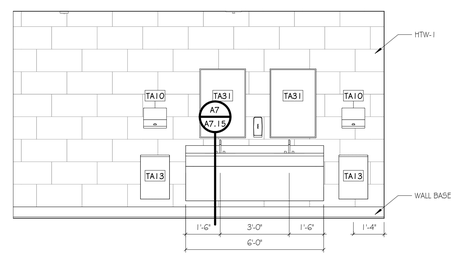
C10 LOCKERS WELDING LAB SE
SCALE: 3/8" = 1'-0"



A5 ELEVATION - TYP. MENS RR - EAST
SCALE: 3/8" = 1'-0"



A7 ELEVATION - TYP. MENS RR - WEST
SCALE: 3/8" = 1'-0"



A10 ELEVATION - TYP. WOMENS RR - EAST
SCALE: 3/8" = 1'-0"

GMC

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LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

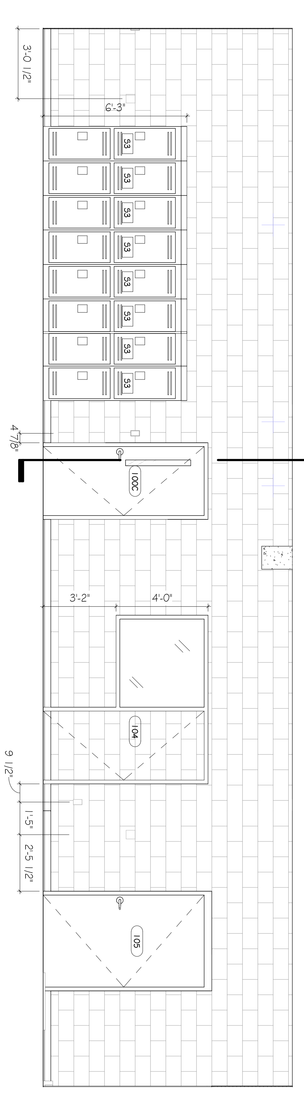
ACCS 2025 161 LBWCC
GMC # AMGM260016

STATE OF ALABAMA
F.E. LYNN, JR.
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REGISTERED ARCHITECT
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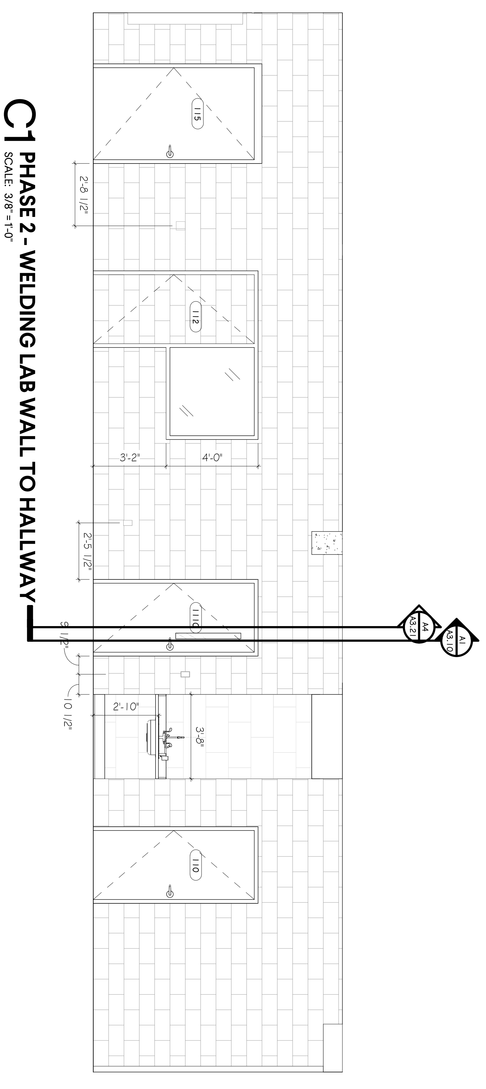
ENLARGED PLANS & INTERIOR ELEVATIONS

A7.40

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A1 PHASE 1 - WELDING LAB WALL TO HALLWAY
SCALE: 3/8"=1'-0"



C1 PHASE 2 - WELDING LAB WALL TO HALLWAY
SCALE: 3/8"=1'-0"

ENLARGED PLANS & INTERIOR ELEVATIONS

A7.41

F.E. LYNN, JR. 3245 STATE OF ALABAMA REGISTERED ARCHITECT
06/02/2026

LBW CC - NAVY MIB WELDING - OPP BUILDING D

ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

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Provide and Install:

- (48) welding booths (with curtains and tables). Booths are configured as shown on A1.11.
- Properly engineered source-capture weld fume control central system with filtration.
- Mechanical Installation
- Contractor to supply all electrical wiring and connections.
- Contractor to supply compressor and air line connections to the Prism filter.
- Contractor to pour required concrete pad for filtration system and to cut all wall holes for duct routing.

Basis of Design: Lincoln Electric Company (Cleveland, OH).
CONTACT: Mike Clemente
Environmental Systems Engineer
The Lincoln Electric Company
22221 Saint Clair Avenue, Cleveland, OH 44117-2522
E: mike_clemente@lincolnelectric.com

Source-Capture Extraction Arms
Requirements:

- Counter-weight mechanism for telescopic movement of the extraction arm. The length of the arm to vary from 4 ft. to 6 ft.
- Spring-balance mechanism for easy movement and positioning of extraction arm.
- The counter-weight and spring-balance mechanisms to be internal to the arm; no external pinch points allowed.
- The hood at the end of the arm must rotate 360 degrees.
- Flex hose in the arm must be reinforced with spring steel wire in a helical geometry and have glass fabric backing and a PVC double face coating.
- Mounting bracket integrated into the top of the extraction arm.
- To be made in the USA.
- BASIS OF DESIGN: Lincoln Electric K1655-15 (Qty. - As required to support 48 welding booths grouped as shown in the drawings.)

Duct System
Requirements:

- Provide comprehensive Design Intent Prints. Duct design and layout per ACGIH Recommend Practice and SMACNA Industrial Construction Standards
- Duct drops to extraction arms to be 8 inches in diameter. Flex hose to connect duct drop to top of the arm is not allowed.
- Each duct drop must include a manual damper. This damper is for airflow balancing and is set at the time of system commissioning.
- Fume extraction ductwork to be galvanized steel, spiral duct per SMACNA Class 1, Material Class 26, and 10 in. WG negative pressure.
- Spark Trap to be installed in the incoming duct between the first fume arm and filter unit. Include drop down duct from the Spark Trap to a steel dustbin positioned on the floor.

Filtration Unit
Requirements:

- Filters must be cellulose/nano fiber and MERV 16 according to ASHRAE 52.2. Filters to be oriented in the vertical position.
- To be equipped with a compressed air-based internal filter cleaning mechanism. (Clean, dry, oil-free compressed air to be supplied from an external source).
- Filter cleaning cycle to be control by monitoring the differential pressure across the filters and take place either "on-line" or "off-line" as needed.
- Dustbins to be located under each unit to collect dislodged particulate. Dustbins to have a volume of 30 gallons each and wheels.
- Filter bank enclosure to be constructed of heavy gauge steel tubes and channels and heavy gauge steel sheeting.
- Filter bank to have 16 vertically positioned filters.
- All metal components to be painted using the powder coating method.
- To be made in the USA.
- BASIS OF DESIGN: Lincoln Electric LI7587-34, LI7587-35, or LI7587-39 (Qty. - As required to support 48 welding booths grouped as shown in the drawings.)
- BASIS OF DESIGN: Lincoln Electric KP4519-2 (Qty. - As required to support 48 welding booths grouped as shown in the drawings.)
- Filter to be operated and monitored by control panel HMI/PLC. Includes easy-to-use HMI screen for system configuration, operation, monitoring and preventive maintenance. It includes a built-in timer feature to schedule system operation. LI8378 (Qty. - As required to support 48 welding booths).

Central Exhaust Fan
Requirements:

- Two 30HP fans to be mounted on top of filter bank. Each fan to include matching exhaust silencer.
- Each fan rated 10,200 CFM @ 12 in. WG
- Drive: Direct (no belts)
- Motor Enclosure: TEFC
- Motor Insulation System: Class F
- Input Power: 460/3/60
- Location: Suitable for indoor or outdoor installation
- BASIS OF DESIGN: Lincoln Electric 531229-66 or 531229-53 or 531229-71or 531229-88 (Qty. - As required to support 48 welding booths grouped as shown in the drawings.)

Exhaust Air Silencer
Requirements:

- Straight silencer to mount directly on outlet of fan.
- Sound level: 75 dBA at 5 ft. at Position B (side of silencer) under "free field" conditions.
- BASIS OF DESIGN: Lincoln Electric 532715-126, 523715-125, or 523715-1265 (Qty. - As required to support 48 welding booths grouped as shown in the drawings.)

System Control
Requirements:

- Must include a variable frequency drive (VFD) rated for 60 HP and input power of 460V/3-phase.
- Output from arc sensor control boxes serves as input to IF-15 interfaces. Output from the IF-15 is used as input to the PLC. Signal from PLC indicates how many booths are in operation and the VFD uses this information to set speed of fan to deliver required airflow.
- BASIS OF DESIGN: Lincoln Electric VFD: AD1283-80 (Qty. - As required to support 48 welding booths grouped as shown in the drawings.)
- BASIS OF DESIGN: Lincoln Electric IF-15: S23385-37 (Qty. - As required to support 48 welding booths grouped as shown in the drawings.)
- BASIS OF DESIGN: Lincoln Electric PLC: G3207-303 (Qty. - As required to support 48 welding booths grouped as shown in the drawings.)

Welding Booths and Curtains
Requirements:

- 48 Welding booths, 5'x5' each interior dimension. Booths are configured as shown on A1.11. Adjacent booths share dividing panels
- Interior size of booths: 5 ft. x 5 ft. x 7.5 ft. (d x w x h).
- Booths have three walls and are free standing.
- Panels constructed from 16-gauge sheet metal and 11-gauge angle frame; 2 in. x 2 in. steel posts with pre-drilled pads for securing to the floor. Distance from bottom of panels to floor - 18 inches.
- Powder-coated anti-reflective black finish paint to reduce the propagation of arc flash (ultraviolet radiation) to adjacent welding and other personnel.
- Each booth shall be equipped with an arc flash protection curtain fully covering the entrance to the booth. These curtains shall be constructed of overlapping heavy-duty red-orange-colored strips of approved material such that they block harmful UV rays emanating from the welding arc. Curtains to be compliant with AWS F2.3m-2011. Strips shall be mounted at the same height as the top of the booth walls and hang down a length of 66 inches. BASIS OF DESIGN: Lincoln Electric K5249-2 (Qty. - As required to support 48 welding booths grouped as shown in the drawings.)
- Include bracket to mount extraction arm to top of welding booth wall.
- Include booth assist: K5319-1 (Qty. - As required to support 48 welding booths grouped as shown in the drawings.)
- Booths to be made in the USA.

Welding Tables and Stools
Requirements:

- Floor mounted stand, height adjustable half-circle table (32 in. diameter) with underneath storage and height adjustable 25 in. long welding fixture.
- Table to be of welded steel construction. Painted black.
- To be made in the USA.
- BASIS OF DESIGN: Lincoln Electric K5248-6 (Qty. - As required to support 48 welding booths grouped as shown in the drawings.)

LED Booth Lights
Requirements:

- LED light bars mounted on each booth side wall. Lighted length of bar is approximately 33 inches. Provided on/off switch normally mounted to booth corner post. Requires 115V/1-ph power. BASIS OF DESIGN: Lincoln Electric AD1389-20 (Qty. - As required to support 48 welding booths grouped as shown in the drawings.)

Fume Exhaust Hood Over Existing Plasma Table
Requirements:

- Fume exhaust hood to cover a plasma table that is 92"x130".
- Hood construction to be polycarbonate material
- Two 12" exhaust outlets in hood.
- Fume Hood to be tied into central fume system.
- Hood to be supported by legs 10 ft high.
- 12" Strip curtains to be hung around perimeter of hood. Each strip is 8' long.
- LED light bar with on/off switch to be mounted inside of hood.
- Automatic damper to hood to be controlled by switch.

System Commissioning
Requirements:

- To be performed on-site by a qualified field service technician experienced in airflow balancing.
- To include airflow balancing, programming of VFD and filter cleaning control, system operation verification and training of owner's staff.
- Extraction arms balanced to 650 CFM per arm.
- To take place after system installation is complete including all mechanical and electrical work.

General
Requirements:

- Unload and install equipment and duct system in a timely manner per construction schedule.
- Wiring and connections to be completed by General Contractor.
- Provide two sets of instruction manuals, data sheets and other supporting documentation in 3-ring binder. One set per binder. Deliver binders with equipment.
- No less than three (3) year warranty on weld fume control system equipment and welding booths. No less than 30-day warranty on filters.
- Manufacturer to submit engineered shop drawings for General Contractor & Architect to review and approve.
- General Contractor to submit Equipment Data for all products being supplied to the project.
- General Contractor to coordinate all related trades to provide complete and operational systems. Confirm Volatge and phase requirements for all equipment provided in this package and coord with electrical installer. Prior to purchase of any Electrical or Mechanical equipment.

Related Requirements:
- Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections apply to these notes for all equipment.

GMC
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Birmingham, AL 35233
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GMCNETWORK.COM

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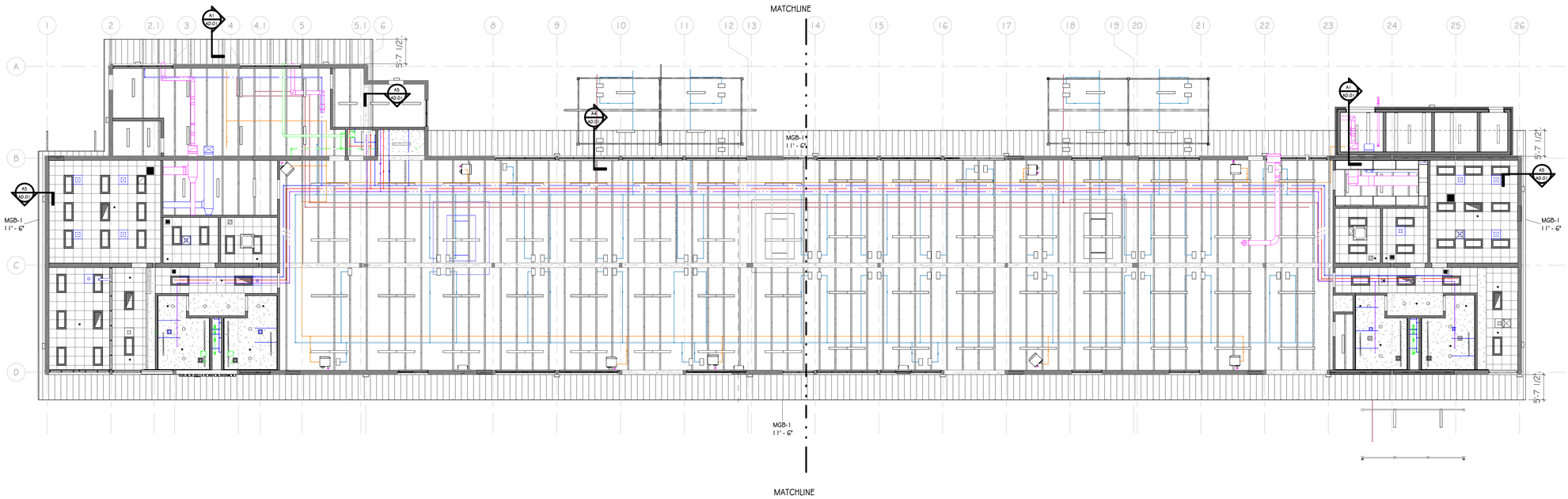
EQUIPMENT SPECIFICATIONS - WELDING

A8.10

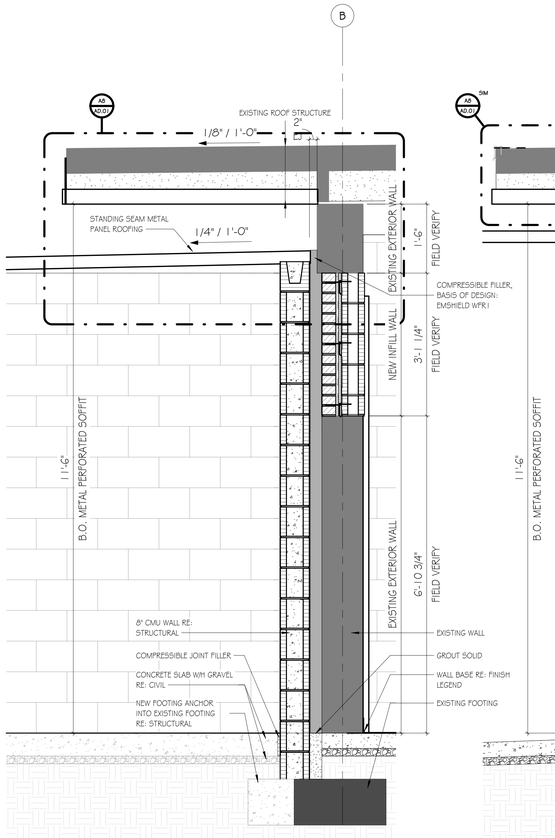
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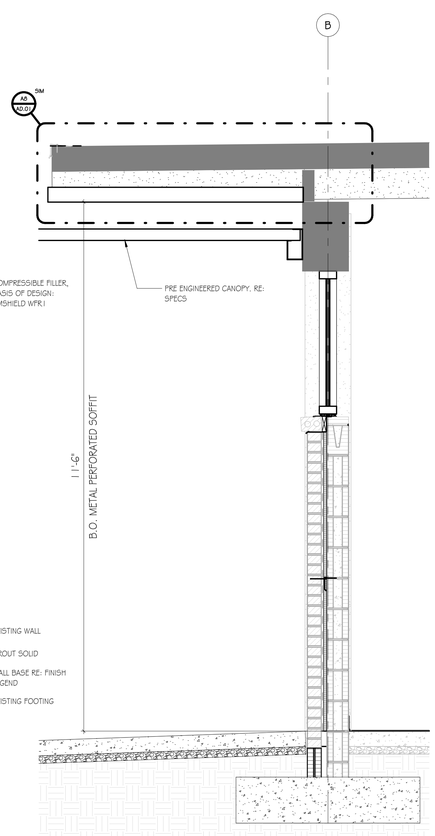
MGB-1 EXTERIOR METAL PERFORATED LINEAR PANEL



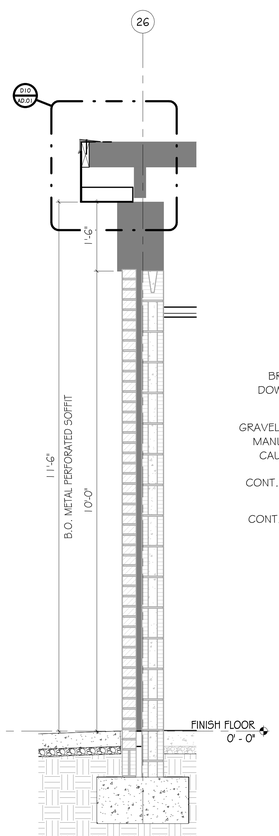
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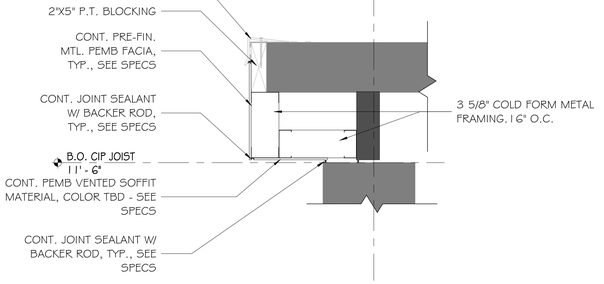
A1 WALL SECTION
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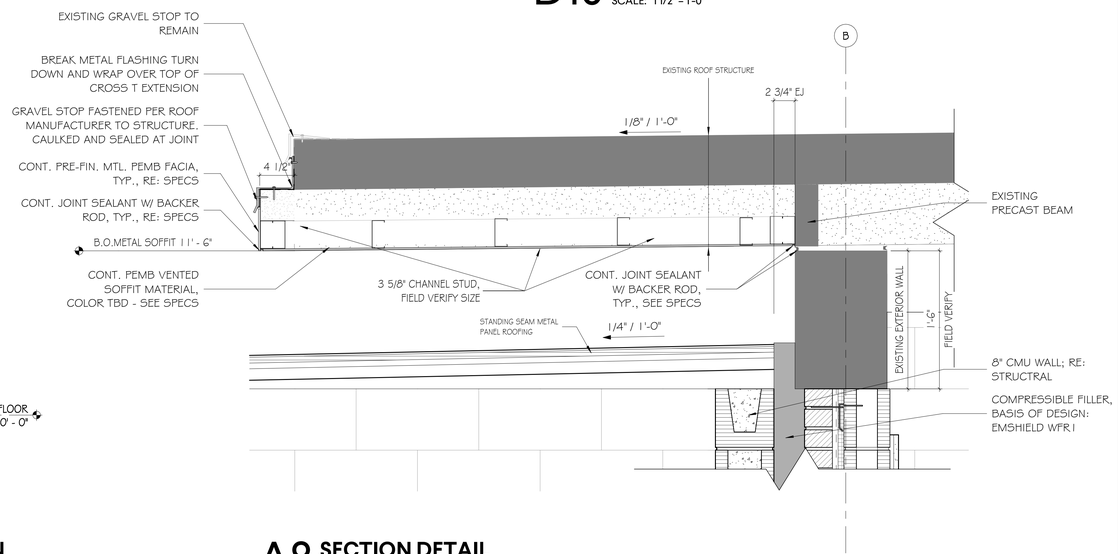
A4 WALL SECTION
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A5 WALL SECTION
SCALE: 3/4" = 1'-0"



D10 SECTION DETAIL
SCALE: 11/2" = 1'-0"



A8 SECTION DETAIL
SCALE: 11/2" = 1'-0"

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ADD ALTERNATE

AD.01

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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 #25113

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 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.

F. MASONRY:
1. BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES, TMS 402-16.
2. SPECIFICATIONS FOR MASONRY STRUCTURES, TMS 602-16.

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. REINFORCING STEEL
C. STEEL DECK (*)
D. CONCRETE MIX DESIGNS

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.

ROOF ---------- 20

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
G. SNOW DRIFT ---------- N/A

6.4. WIND LOADS:

A. BASIC WIND SPEED (3-SECOND GUST) ---------- 135 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---------- 0.090
S1---------- 0.062
SITE CLASS---------- D
SPECTRAL RESPONSE COEFFICIENTS:
Sds---------- 0.096
Sd1---------- 0.099
D. SEISMIC DESIGN CATEGORY---------- B
BASIC SEISMIC-FORCE RESISTING SYSTEM:
STORAGE ROOM ADDITION — ORDINARY REINFORCED MASONRY SHEAR WALLS.
DESIGN BASE SHEAR:
STORAGE ROOM ADDITION---------- 4 KIPS
E. SEISMIC RESPONSE COEFFICIENT (Cs)---------- 0.060
F. RESPONSE MODIFICATION FACTOR (R)---------- 2
G. ANALYSIS PROCEDURE:
EQUIVALENT LATERAL FORCE METHOD

7. FOUNDATION NOTES:

7.1. A GEOTECHNICAL ENGINEER, EMPLOYED BY THE OWNER, SHALL PROVIDE COMPACTED FILL REQUIREMENTS FOR THE BUILDING PAD AND REVIEW THE FOUNDATION BEARING SURFACE TO VERIFY THE ASSUMED BEARING PRESSURE NOTED. DO NOT PLACE CONCRETE PRIOR TO GEOTECHNICAL ENGINEER'S APPROVAL.

7.2. ASSUMED MAXIMUM BEARING PRESSURES (PSF):
COLUMN FOOTINGS---------- 2000

7.3. CONTINUOUS WALL FOOTINGS---------- 2000

7.4. 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.

7.5. 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.

7.6. COMPACTED FILL WITHIN THE BUILDING AREA SHALL MEET THE REQUIREMENTS NOTED IN THE GEOTECHNICAL REPORT.

7.7. 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. CONCRETE NOTES:

8.1. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS:
4000 PSI NORMAL WT. - UNLESS NOTED.

8.2. PEDESTAL, COLUMN AND WALL VERTICAL REINFORCING: DOWEL TO FOUNDATION WITH HOOKED BARS OF SAME SIZE AND SPACING AS VERTICAL REINFORCING.

8.3. EARTH SUPPORTED SLABS:

A. 6" THICK, REINFORCED WITH 6X6 W2.9/W2.9 WWR (SHEETS) AT TOP THIRD OF SLAB DEPTH, UNLESS NOTED.
B. 8" THICK, REINFORCED WITH #4@12" EACH WAY. PROVIDE 1-3/4" CLEAR COVER FROM TOP OF SLAB TO REINFORCING

8.4. CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.

9. CONCRETE REINFORCING STEEL NOTES:

9.1. REINFORCING BARS: ASTM A615 GRADE 60.

9.2. 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.

9.3. REINFORCING STEEL SHOWN IN SECTIONS IS A SCHEMATIC INDICATION THAT REINFORCING EXISTS. SEE SCHEDULES, SECTION NOTES AND GENERAL NOTES FOR ACTUAL REINFORCING REQUIRED.

9.4. REINFORCING BAR PLACING ACCESSORIES IN ACCORDANCE WITH ACI MANUAL OF STANDARD PRACTICE. WHERE CONCRETE IS EXPOSED IN FINISHED BUILDING, PROVIDE ACCESSORIES WITH RUSTPROOF LEGS.

9.5. DETAIL REINFORCEMENT IN ACCORDANCE WITH ACI 315. REINFORCEMENT SHALL NOT BE WELDED UNLESS NOTED OR APPROVED BY THE ENGINEER.

9.6. ALL SPLICES SHALL BE CLASS "B" TENSION LAP SPLICE, UNLESS NOTED.

9.7. ALL REINFORCING MARKED "CONTINUOUS" SHALL BE SPLICED WITH CLASS "B" TENSION LAP SPLICE, UNLESS NOTED.

9.8. PROVIDE CORNER BARS WITH CLASS "B" LAP SPLICE AT ALL FOUNDATION INTERSECTIONS AND CORNERS.

9.9. 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
SLABS NOT EXPOSED TO WEATHER-------3/4" BOTTOM & TOP
SLABS EXPOSED TO WEATHER-#5 OR LESS----------1 1/2"
#6 OR LARGER- ----------2"

9.10. FIELD BENDING OF CONCRETE REINFORCING STEEL IS NOT PERMITTED WITHOUT WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.

10. STRUCTURAL STEEL NOTES:

10.1. STRUCTURAL STEEL: ASTM A992 FOR WIDE FLANGE SHAPES; ASTM A36 ELSEWHERE.

10.2. HOLLOW STRUCTURAL SECTIONS: ASTM A500, GRADE B.

10.3. WELDED CONNECTIONS: E70XX ELECTRODES, MINIMUM SIZE FILLET WELD 3/16".

10.4. HEADED ANCHOR RODS: ASTM F1554 GRADE 55 AND HEAVY HEX NUT, UNLESS OTHERWISE INDICATED.

10.5. HEADED STUDS: ASTM A108, GRADE 1015 OR 1020, COLD-FINISHED CARBON STEEL WITH DIMENSIONS COMPLYING WITH AISC.

10.6. 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.

10.7. 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.

10.8. 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.

10.9. FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES."

10.10. THE STEEL FRAME IS "NON-SELF-SUPPORTING". ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR UNTIL REQUIRED CONNECTIONS OR ELEMENTS ARE IN PLACE.

10.11. 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.

11. STEEL DECK NOTES:

11.1. DECK PROPERTIES AND ATTACHMENTS SHALL BE IN ACCORDANCE WITH THE STEEL DECK INSTITUTE.

11.2. DECK SHALL BE CONTINUOUS OVER THREE OR MORE SPANS.

11.3. ROOF DECK: WIDE RIB TYPE "WR", STEEL ROOF DECK, 20 GA GAGE, 1-1/2" DEEP, GALVANIZED. ATTACH ROOF DECK TO STEEL FRAMING SUPPORTS USING 5/8"Ø PUDDLE WELDS ON A 36/4 PATTERN WITH 4#10 TEK SCREW SIDELAP FASTENERS PER DECK SPAN.

11.4. LIGHTGAGE METAL FRAMING, SUSPENDED CEILINGS, LIGHT FIXTURES AND DUCTS OR OTHER UTILITIES SHALL NOT BE SUPPORTED BY THE METAL ROOF DECK.

12. MASONRY NOTES:

12.1. MASONRY CONSTRUCTION SHALL CONFORM TO TMS 602-16 SPECIFICATION.

12.2. 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.

12.3. 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.

12.4. 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.

12.5. 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.

12.6. ALL MASONRY SHALL BE RUNNING BOND, UNLESS NOTED.

12.7. ALL BLOCK CELLS AND CAVITIES BELOW GRADE SHALL BE FILLED WITH CONCRETE OR GROUT.

12.8. 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.

12.9. 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.

12.10. 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.
C. CONTROL JOINTS SHALL NOT BE LOCATED WITHIN 1'-4" FROM ANY WALL OPENING (DOORS, WINDOWS, ETC.).

12.11. WHEN REINFORCING IS SPECIFIED, PROVIDE AT EACH SIDE OF CONTROL JOINTS, OPENINGS AND WALL ENDS.

12.12. 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.
PROVIDE HORIZONTAL LADDER-TYPE JOINT REINFORCEMENT AT 16" O.C., U.N.O.

GMC

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ISSUE	DATE
BID SET	06/02/2026

DRAWN BY: CSS
CHECKED BY: CSS

LBW CC - MIB WORKFORCE RENOVATIONS
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N. MAIN ST. OPP, AL 36467

ACCS 2025 161 LBWCC
GMC AMGM260016

ALABAMA REGISTERED No. 31254 PROFESSIONAL ENGINEER CHRISTOPHER S. SMITH
06/02/2026

GENERAL NOTES

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2021 IBC - SCHEDULE OF SPECIAL INSPECTIONS

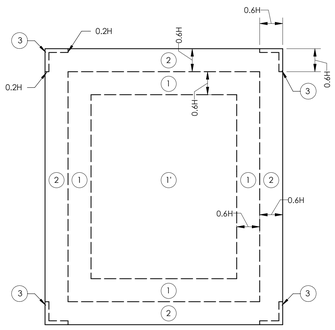
MATERIAL/ACTIVITY	EXTENT	INSTRUCTIONS/FREQUENCY
INSPECTION OF FABRICATORS (IBC 1704.2.5)		
VERIFY FABRICATION/QUALITY CONTROL PROCEDURES	PERIODIC	REVIEW THE QUALITY CONTROL PROCEDURES OF THE FOLLOWING FABRICATORS FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE FABRICATOR'S SCOPE OF WORK: STEEL FABRICATOR, 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.

2021 IBC - SCHEDULE OF SPECIAL INSPECTIONS

MATERIAL/ACTIVITY	EXTENT	INSTRUCTIONS/FREQUENCY
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	
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 MECHANICAL 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 MECHANICAL 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	
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
INSPECT PRESTRESSED CONCRETE FOR:		
APPLICATION OF PRESTRESSING FORCES	CONTINUOUS	REFERENCE ACI 318: 26.10
GROUTING OF BONDED PRESTRESSING TENDONS	CONTINUOUS	REFERENCE ACI 318: 26.10
INSPECT ERECTION OF PRECAST CONCRETE MEMBERS	PERIODIC	REFERENCE ACI 318: 26.8
FOR PRECAST CONCRETE DIAPHRAGM CONNECTIONS OR REINFORCEMENT AT JOINTS CLASSIFIED AS MODERATE OR HIGH DEFORMABILITY ELEMENTS (MDE OR HDE) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F, INSPECT SUCH CONNECTIONS AND REINFORCEMENT IN THE FIELD FOR:		REFERENCE ACI 318: 26.13.1.3 AND ACI 550.5
INSTALLATION OF THE EMBEDDED PARTS	CONTINUOUS	
COMPLETION OF THE CONTINUITY OF REINFORCEMENT ACROSS JOINTS	CONTINUOUS	
COMPLETION OF CONNECTIONS IN THE FIELD	CONTINUOUS	
INSPECT INSTALLATION TOLERANCES OF PRECAST CONCRETE DIAPHRAGM CONNECTIONS FOR COMPLIANCE WITH ACI 550.5	PERIODIC	REFERENCE ACI 318: 26.13.1.3
VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	PERIODIC	REFERENCE ACI 318: 26.11.2
INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	REFERENCE ACI 318: 26.11.1.2(B)
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	
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

2021 IBC - SCHEDULE OF SPECIAL INSPECTIONS

MATERIAL/ACTIVITY	EXTENT	INSTRUCTIONS/FREQUENCY
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 (IB



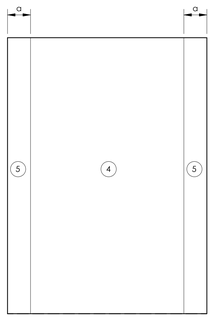
PLAN

COMPONENT AND CLADDING ZONES ROOFS, 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	2.42 PSF	9.70 PSF	-68.27 PSF	-61.00 PSF
	20 FT²	1.41 PSF	8.69 PSF	-62.21 PSF	-54.94 PSF
	50 FT²	0.91 PSF	8.18 PSF	-53.12 PSF	-45.85 PSF
	100 FT²	0.40 PSF	7.68 PSF	-47.06 PSF	-39.79 PSF
	200 FT²	0.40 PSF	7.68 PSF	-41.00 PSF	-33.73 PSF
	> 500 FT²	0.40 PSF	7.68 PSF	-31.91 PSF	-24.64 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	2.42 PSF	9.70 PSF	-50.09 PSF	-42.82 PSF
	20 FT²	1.41 PSF	8.69 PSF	-47.06 PSF	-39.79 PSF
	50 FT²	0.91 PSF	8.18 PSF	-42.01 PSF	-34.74 PSF
	100 FT²	0.40 PSF	7.68 PSF	-38.98 PSF	-31.71 PSF
	200 FT²	0.40 PSF	7.68 PSF	-36.96 PSF	-29.69 PSF
	> 500 FT²	0.40 PSF	7.68 PSF	-31.91 PSF	-24.64 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	2.42 PSF	9.70 PSF	-37.97 PSF	-30.70 PSF
	20 FT²	1.41 PSF	8.69 PSF	-34.94 PSF	-27.67 PSF
	50 FT²	0.91 PSF	8.18 PSF	-31.91 PSF	-24.64 PSF
	100 FT²	0.40 PSF	7.68 PSF	-29.89 PSF	-22.62 PSF
	200 FT²	0.40 PSF	7.68 PSF	-26.86 PSF	-19.59 PSF
	> 500 FT²	0.40 PSF	7.68 PSF	-23.83 PSF	-16.56 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	2.42 PSF	9.70 PSF	-21.81 PSF	-14.54 PSF
	20 FT²	1.41 PSF	8.69 PSF	-21.81 PSF	-14.54 PSF
	50 FT²	0.91 PSF	8.18 PSF	-21.81 PSF	-14.54 PSF
	100 FT²	0.40 PSF	7.68 PSF	-21.81 PSF	-14.54 PSF
	200 FT²	0.40 PSF	7.68 PSF	-18.78 PSF	-11.51 PSF
	> 500 FT²	0.40 PSF	7.68 PSF	-14.75 PSF	-7.47 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.



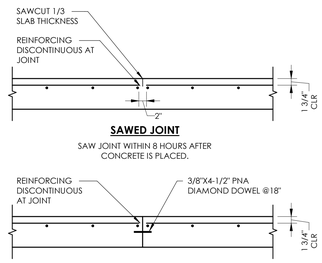
ELEVATION

COMPONENT AND CLADDING ZONES, WALLS

COMPONENTS AND CLADDING WALL PRESSURES

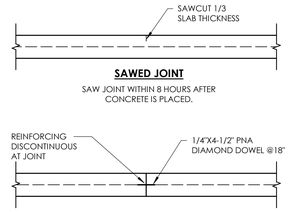
	EFFECTIVE WIND AREA	ZONE 5 GCp+		ZONE 5 GCp-	
ZONE 5 WALL PRESSURES, DISTANCE "A" FROM THE CORNER OF THE BUILDING. CALCULATE "A" IN ACCORDANCE WITH ASCE7 - FIGURE 30.3-1	< 10 FT²	14.91 PSF	21.45 PSF	-28.72 PSF	-22.18 PSF
	20 FT²	14.00 PSF	20.54 PSF	-26.90 PSF	-20.36 PSF
	50 FT²	12.18 PSF	18.72 PSF	-24.18 PSF	-17.63 PSF
	100 FT²	11.27 PSF	17.82 PSF	-22.36 PSF	-15.82 PSF
	200 FT²	10.36 PSF	16.91 PSF	-20.54 PSF	-14.00 PSF
	> 500 FT²	9.45 PSF	16.00 PSF	-17.82 PSF	-11.27 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	14.91 PSF	21.45 PSF	-23.27 PSF	-16.72 PSF
	20 FT²	14.00 PSF	20.54 PSF	-22.36 PSF	-15.82 PSF
	50 FT²	12.18 PSF	18.72 PSF	-21.45 PSF	-14.91 PSF
	100 FT²	11.27 PSF	17.82 PSF	-19.63 PSF	-13.09 PSF
	200 FT²	10.36 PSF	16.91 PSF	-18.72 PSF	-12.18 PSF
	> 500 FT²	9.45 PSF	16.00 PSF	-17.82 PSF	-11.27 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.



TYPICAL 8" SLAB CONTROL JOINT

JOINT TYPE IS OPTIONAL



TYPICAL 6" SLAB CONTROL JOINT

JOINT TYPE IS OPTIONAL

SLAB/WALL TENSION LAP SPLICE SCHEDULE

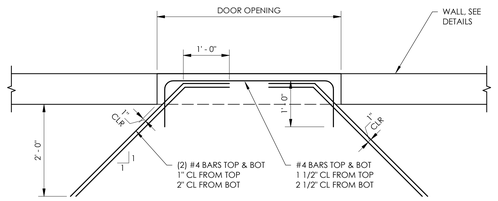
BAR SIZE	f'c = 4000 PSI	
	TOP BARS	OTHER BARS
#3	15"	12"
#4	25"	19"
#5	36"	28"
#6	49"	37"
#7	78"	60"
#8	97"	74"
#9	117"	90"
#10	141"	108"
#11	165"	127"

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

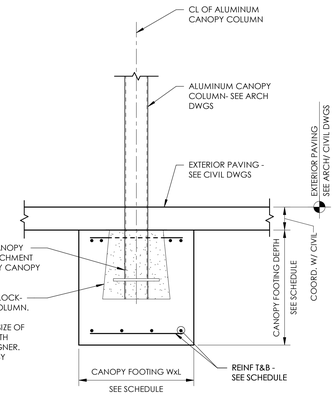
BEAM/FOOTING TENSION LAP SPLICE SCHEDULE

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"

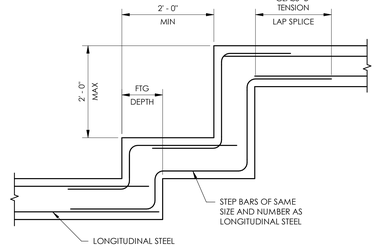
TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW THE REINF.



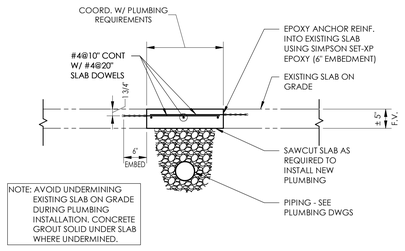
TYPICAL SLAB REINFORCMENT AT DOOR DETAIL



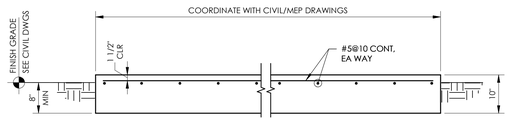
TYPICAL ALUMINUM CANOPY COLUMN FOOTING DETAIL



TYPICAL FOOTING STEP

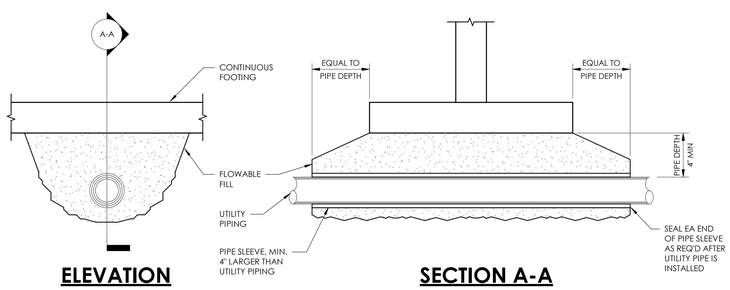


TYPICAL TRENCH INFILL DETAIL



TYPICAL MECHANICAL EQUIPMENT PAD DETAIL

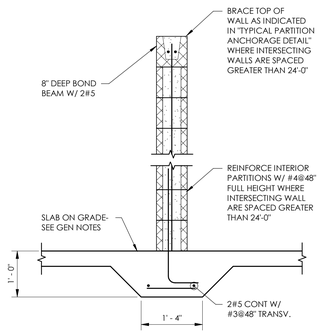
NOTES:
1. FOR EQUIPMENT LOCATIONS, SEE CIVIL AND MEP DWGS



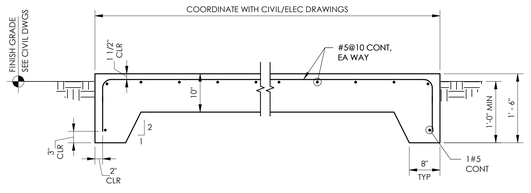
ELEVATION

SECTION A-A

TYPICAL PIPING SLEEVE UNDER CONTINUOUS FOOTING



TYPICAL THICKENED SLAB AT INTERIOR CMU PARTITION



TYPICAL ELECTRICAL TRANSFORMER EQUIPMENT PAD DETAIL

NOTES:
1. FOR TRANSFORMER LOCATION, SEE CIVIL AND ELEC DWGS.

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ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N. MAIN ST. OPP, AL 36467

ACCS 2025 161 LBWCC
GMC AMGM260016

ALABAMA REGISTERED No. 31254 PROFESSIONAL ENGINEER CHRISTOPHER S. SELLERS
06/02/2026

TYPICAL DETAILS

S0.03

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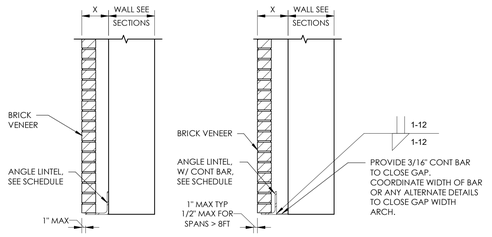
MASONRY LINTEL SCHEDULE

MAXIMUM OPENING WIDTH	LINTEL DIMENSIONS & REINFORCING		
	DEPTH	8" WALL	12" WALL
2'-0"	8		1#4 BOT
4'-0"	8	1#4 BOT	2#4 BOT
6'-0"	8	1#4 BOT & 1#4 TOP	2#5 BOT & 2#4 TOP
8'-0"	16	1#6 BOT & 1#4 TOP	2#5 BOT & 2#5 TOP
10'-0"	16	2#7 BOT & 1#4 TOP	2#6 BOT & 2#5 TOP

NOTES:
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 REINFORCED JAMB FOR EACH END OF ALL LINTELS.
3. HOOK #7 BARS OR GREATER INTO BOND BEAM TO ACHIEVE ADEQUATE DEVELOPMENT LENGTH.

MASONRY WALL LAP SPLICE SCHEDULE

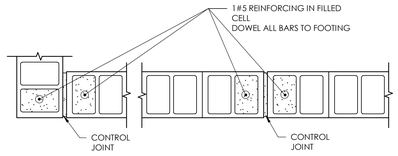
BAR Ø	8" WIDE WALLS	
	f'm = 2000psi	f'm = 2500psi
#4	15"	12"
#5	24"	18"
#6	44"	34"
#7	61"	47"
#8	91"	71"



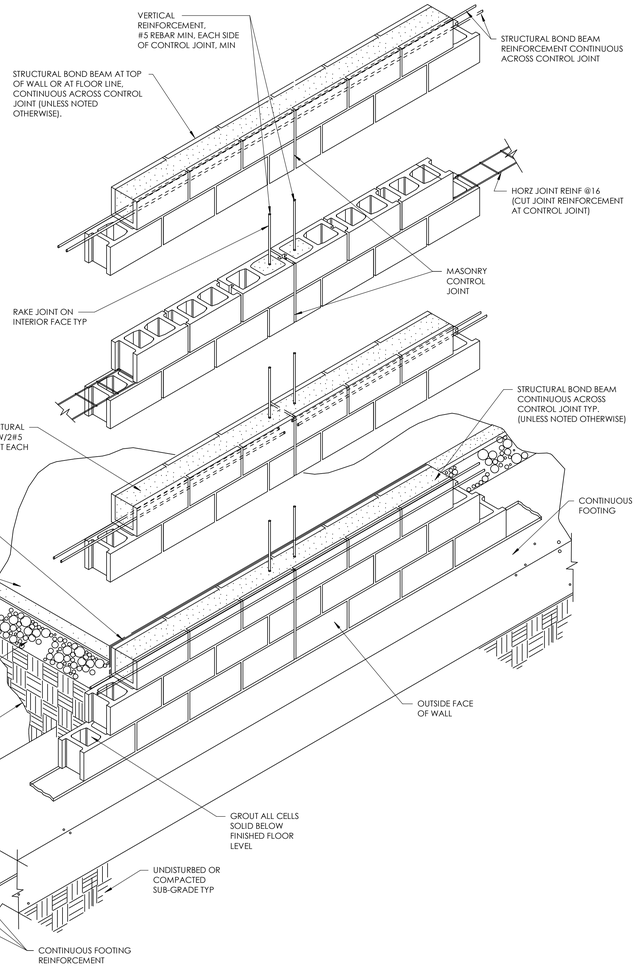
BRICK LOOSE LINTEL SCHEDULE

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.

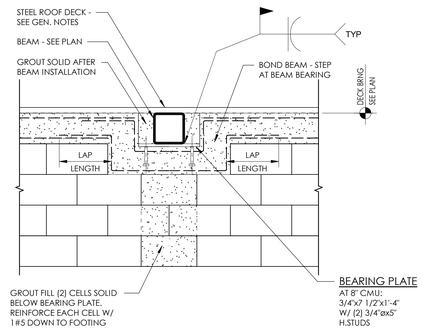


TYPICAL MASONRY REINFORCING AT CONTROL JOINTS AND CORNERS

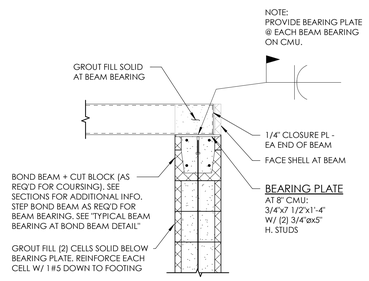


ISOMETRIC VIEW OF TYPICAL MASONRY WALL

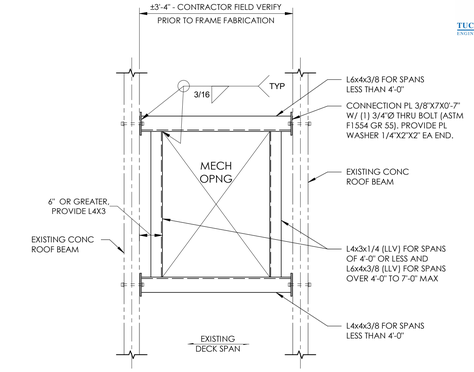
1. BRICK VENEER NOT SHOWN FOR CLARITY.
2. ALL BOND BEAMS MADE WITH FORM BLOCKS ONLY.
3. FOR STRUCTURAL BOND BEAMS, SEE SECTIONS.



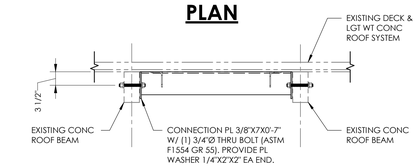
TYPICAL BEAM BEARING AT BOND BEAM DETAIL



TYPICAL BEAM/TUBE BEARING DETAIL



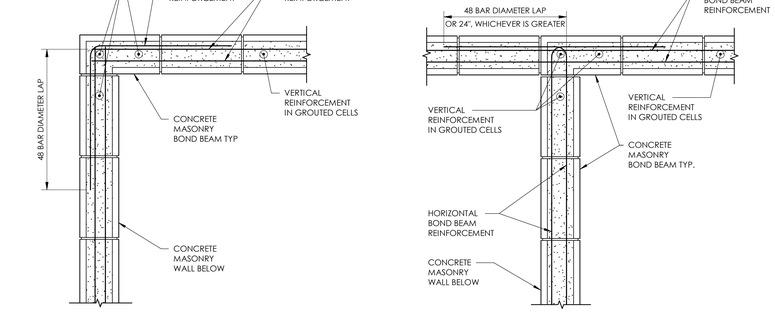
PLAN



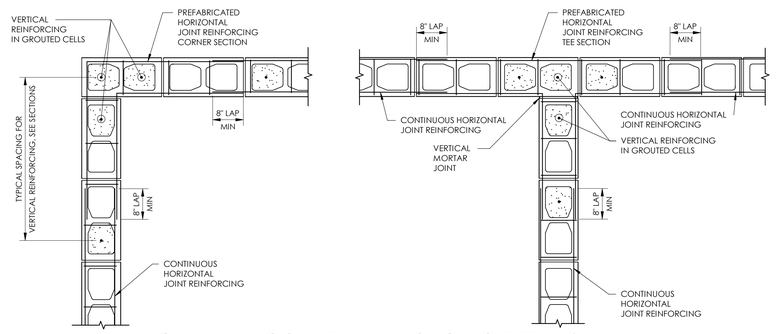
SECTION

TYPICAL SUPPORT FRAME AT MISCELLANEOUS ROOF OPENINGS THROUGH EXISTING ROOF

NOTES:
1. CONTRACTOR SHALL SCAN CONCRETE ROOF BEAMS FOR REINFORCING PRIOR TO DRILLING HOLES FOR THRU BOLT CONNECTION. DO NOT DRILL THROUGH BEAM REINFORCING.
2. CONTRACTOR SHALL FIELD VERIFY EXISTING BEAM TO EXISTING BEAM DIMENSIONS AT NEW ROOF OPENINGS PRIOR TO FRAME FABRICATION.



TYPICAL BOND BEAM CORNER REINFORCING DETAILS



TYPICAL WALL CORNER REINFORCING DETAILS

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LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N. MAIN ST. OPP, AL 36467

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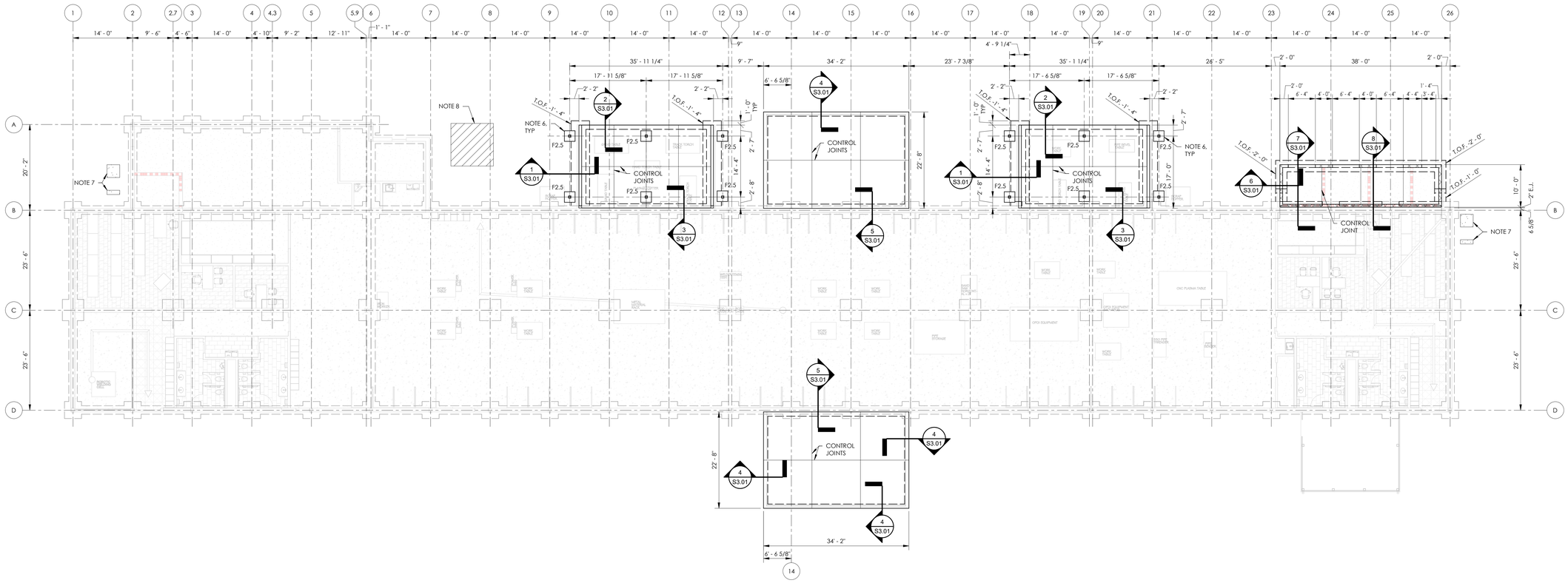
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TYPICAL DETAILS

S0.04

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PROJECT #25113



FOOTING SCHEDULE

FOOTING DESIGNATION	DEPTH	REINF EW.	LENGTH	WIDTH	NOTES
F2.5	2' - 6"	4#6, T&B	2' - 6"	2' - 6"	1

NOTES:
1. SEE "TYPICAL ALUMINUM CANOPY COLUMN FOOTING DETAIL" ON SHEET S0.03.

FOUNDATION AND FLOOR PLAN

Scale: 3/32" = 1'-0"

PROJECT NORTH

1. FINISH FLOOR (TOP OF SLAB) ELEVATION 0'-0", UNLESS NOTED.
2. COORDINATE TOP OF SLAB AT EXHAUST EQUIPMENT PAD AND GRIND AREA PAD WITH CIVIL DRAWINGS.
3. TOP OF EXTERIOR FOOTING ELEVATION -2'-0" BELOW FINISH FLOOR, UNLESS NOTED.
4. 6" OR 8" SLAB ON GRADE, UNLESS NOTED. SEE SECTIONS, GENERAL NOTES, AND TYPICAL DETAILS.
5. GENERAL CONTRACTOR COORDINATE LOCATION OF ALL FOOTING STEPS WITH CIVIL, UTILITY AND PLUMBING DRAWINGS.
6. SEE "TYPICAL ALUMINUM CANOPY COLUMN FOOTING DETAIL" ON SHEET S0.03.
7. INDICATES MECHANICAL EQUIPMENT PAD. SEE MECHANICAL AND CIVIL DRAWINGS FOR LOCATION AND SIZE OF PAD. SEE " TYPICAL MECHANICAL EQUIPMENT PAD DETAIL" ON SHEET S0.03.
8. INDICATES ELECTRICAL TRANSFORMER EQUIPMENT PAD. SEE ELECTRICAL AND CIVIL DRAWINGS FOR LOCATION AND SIZE OF PAD. SEE " TYPICAL ELECTRICAL TRANSFORMER EQUIPMENT PAD DETAIL" ON SHEET S0.03.

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LURLEEN B. WALLACE COMMUNITY COLLEGE
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GMC AMGM260016

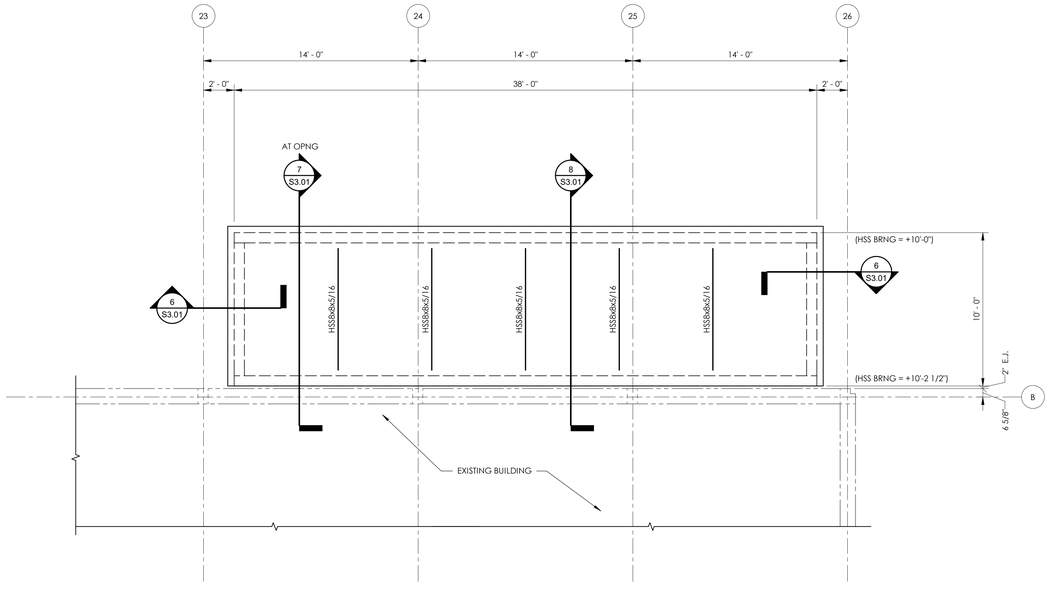
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06/02/2026

FLOOR AND FOUNDATION PLAN

S1.01

5/31/2026 11:45:45 AM

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PROJECT #25113



STORAGE ADDITION ROOF FRAMING PLAN

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

PROJECT NORTH

1. HSS BEAM FRAMING BEARING (TOP OF EMBED PLATE) ELEVATION NOTED AS (X'-X") ON PLAN.
2. ROOF SYSTEM: 1-1/2" STEEL ROOF DECK BEARING ON HSS BEAM FRAMING. SEE GENERAL NOTES FOR ROOF DECK ATTACHMENT PATTERN.
3. SPACE BEAMS EQUALLY BETWEEN WALLS, UNLESS NOTED.
4. HSS BEAM FRAMING IS SLOPING UNIFORMLY BETWEEN NOTED ELEVATIONS.
5. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATION OF NEW ROOF OPENINGS ON EXISTING ROOF. SEE "TYPICAL SUPPORT FRAME AT MISCELLANEOUS ROOF OPENINGS THROUGH EXISTING ROOF" ON SHEET S0.04 FOR NEW ROOF OPENING SUPPORT.

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LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N. MAIN ST. OPP, AL 36467

ACCS 2025161 LBWCC
GMC AMGM260016

ALABAMA REGISTERED No. 31254 PROFESSIONAL ENGINEER CHRISTOPHER S. SHEPHERD

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STORAGE ADDITION ROOF FRAMING PLAN

S1.02

5/31/2026 11:45:45 AM

TJ TUCKER-JONES
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SECTIONS

LBW CC - MIB WORKFORCE RENOVATIONS

ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N. MAIN ST. OPP, AL 36467

ACCS 2025 161 LBWCC
GMC AMGM26001G

ALABAMA REGISTERED ARCHITECT CHRISTOPHER A. TUCKER No. 33264 PROFESSIONAL 06/02/2026

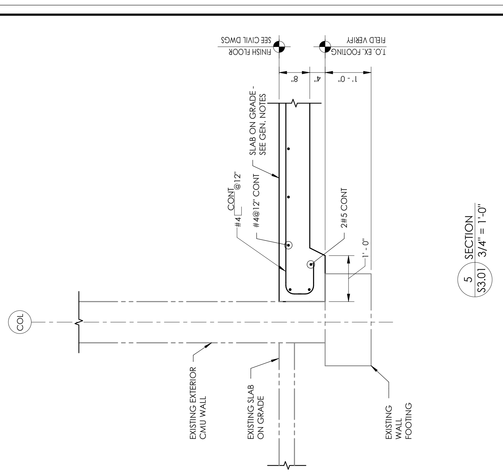
S3.01

ISSUE	DATE
BID SET	06/02/2026

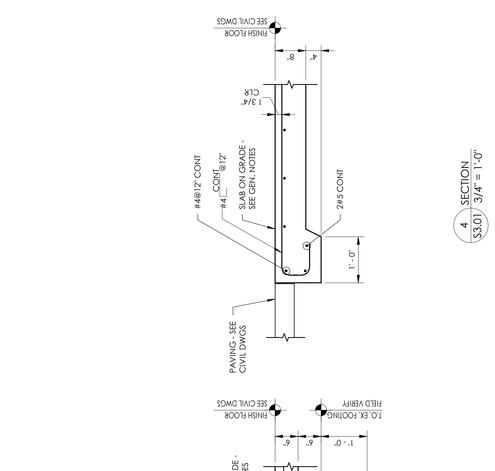
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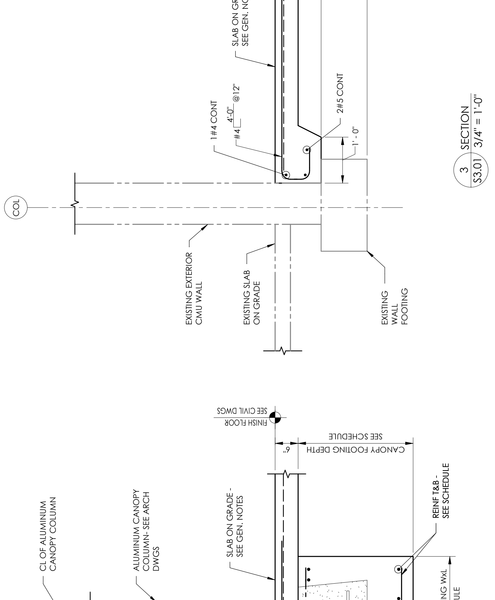
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5 SECTION S3.01 3/4" = 1'-0"

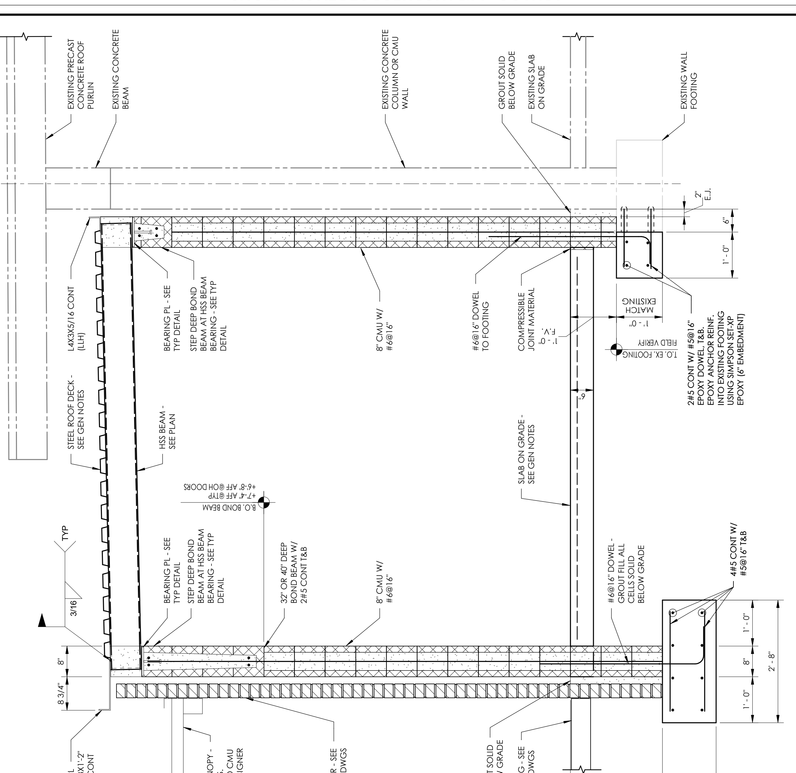


3 SECTION S3.01 3/4" = 1'-0"

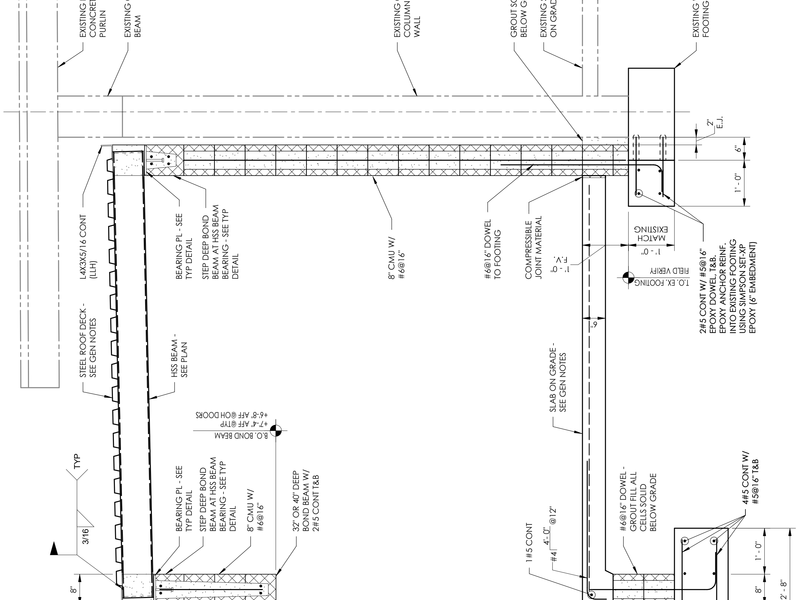


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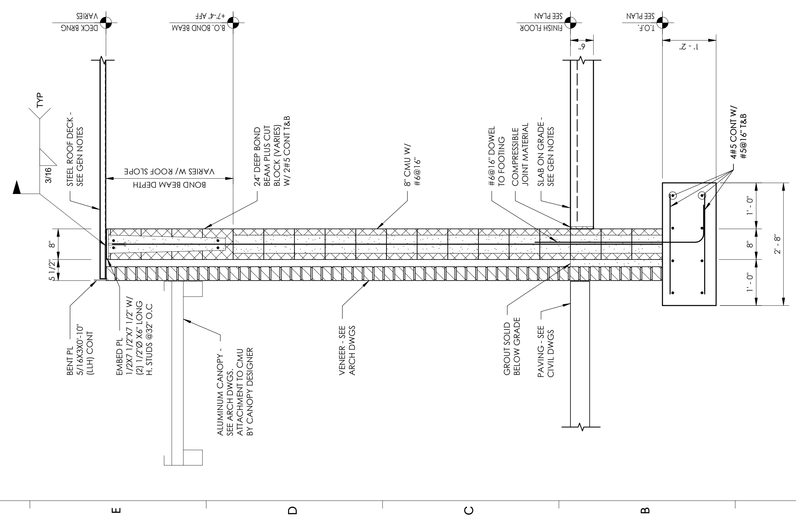
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8 SECTION S3.01 3/4" = 1'-0"



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



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

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PLUMBING LEGEND

	SANITARY, SOIL OR WASTE LINE
	VENT LINE
AW	ACID WASTE LINE (AW)
AV	ACID VENT LINE (AV)
ST	STORM LINE (ST)
SST	SECONDARY STORM LINE (SST)
CW	COLD WATER LINE (CW)
HW	HOT WATER LINE (HW)
HWR	HOT WATER RETURN LINE (HWR)
DR	DRAIN (DR)
GW	GREASE WASTE (GW)
G	NATURAL GAS (G)
180	180°F HOT WATER LINE
180R	180°F HOT WATER RETURN LINE
140	140°F HOT WATER LINE
140R	140°F HOT WATER RETURN LINE
120	120°F HOT WATER LINE
120R	120°F HOT WATER RETURN LINE
110	110°F HOT WATER LINE
110R	110°F HOT WATER LINE
O	OXYGEN LINE (O) (O2)
CA	COMPRESSED AIR LINE (CA)
CO2	CARBON DIOXIDE (CO2)
IA	INSTRUMENT AIR LINE (IA)
MA	MEDICAL AIR LINE (MA)
NO	NITROUS OXIDE LINE (NO)
N	NITROGEN (N)
EVAC	GAS EVACUATION (EVAC)
V	VACUUM LINE (V)
WAGD	WASTE ANESTHETIC GAS DISPOSAL (WAGD)
LA	LABORATORY AIR LINE (LA)
LV	LABORATORY VACUUM LINE (LV)
NPCW	NON-POTABLE COLD WATER (NPCW)
	DEMOLISHED LINE | LINE REMOVED
	ZONE VALVE BOX (ZVB)
	GATE VALVE
	BUTTERFLY VALVE
	GAS COCK
	BALL VALVE
	UNION
	CHECK VALVE
	CIRCUIT SETTER | BALANCING VALVE
	THERMOSTATIC MIXING VALVE
	PIPE SUPPORT ON ROOF
	INJECTION PORT
	PUMP
	BALANCING STATION
	PRESSURE REGULATOR (WATER)
	PRESSURE REGULATOR (COMPRESSIBLE GAS)
	SOLENOID VALVE
	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)
M	METER
	THRUST BLOCK (TB)
#	DEMOLITION NOTE
#	DRAWING NOTE | KEY NOTE
#	RISER DIAGRAM NUMBER
#	DRAWING REVISION
#	KITCHEN EQUIPMENT NUMBER / TAG
CA	COMPRESSED AIR OUTLET
	SHOWER HEAD
A	LABORATORY AIR OUTLET
V	LABORATORY VACUUM OUTLET
G	LABORATORY GAS OUTLET
HB	HOSE BIBB
WH	WALL HYDRANT
RH	ROOF HYDRANT
DCO	DECK CLEANOUT (TRAFFIC RATED)
DD	DUMPSTER DRAIN
HD	HUB DRAIN
FD	FLOOR DRAIN
FD	FLOOR DRAIN
MFD	MECHANICAL FLOOR DRAIN
SD	SHOWER DRAIN
CWD	CAN WASH DRAIN
	LAUNDRY TRENCH DRAIN
RD	ROOF DRAIN
ERD	EMERGENCY ROOF DRAIN
DSN	DOWNSPOUT NOZZLE
DSB	DOWNSPOUT BOOT
AD	AREA DRAIN
FS	FLOOR SINK
FS-1	FLOOR SINK #1
FS-2	FLOOR SINK #2
TD	TERRACE TRAIN
	CONNECT TO EXISTING
	DISCONNECT POINT

PLBG ABBREVIATIONS

AAV	AIR ADMITTANCE VALVE
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AV	ACID VENT
AW	ACID WASTE
BFF	BELOW FINISHED FLOOR
BFP	BACKFLOW PREVENTER
BT	BATH TUB
BTUH	BRITISH THERMAL UNIT PER HOUR
CFH	CUBIC FEET PER HOUR (1,000 BTUH)
CFM	CUBIC FEET PER MINUTE
CA	COMPRESSED AIR
CF	COMBINATION FIXTURE
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)
ERD	EMERGENCY ROOF DRAIN
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
GCO	GRADE CLEANOUT
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GI	GREASE INTERCEPTOR (OUTSIDE)
GT	GREASE TRAP (INSIDE)
GW	GREASE WASTE
GWH	GAS WATER HEATER
HA	WATER HAMMER ARRESTOR
HP	HORSE POWER
HWG	HOT WATER GENERATOR
HX	HEAT EXCHANGER
ICC	INTERNATIONAL CODE COUNCIL
ICE	ICE MAKER (O.F.E.)
IND. IW	INDIRECT, INDIRECT WASTE
INV.	INVERT ELEVATION
IN.WC.	INCHES WATER COLUMN
KW	KILOWATT
K#	KITCHEN EQUIPMENT NUMBER
LAV	LAVATORY
LT	LINT TRAP
LWT	LEAVING WATER TEMPERATURE
MB	MOP BASIN
MH	MAN HOLE
M-#	MEDICAL FIXTURE EQUIPMENT NUMBER
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NRS	NON RISING STEM
O.F.E.	OWNER FURNISHED EQUIPMENT
OS&Y	OUTSIDE SCREW AND YOKE
P-#	PLUMBING FIXTURE NUMBER
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
RD	ROOF DRAIN
RL	RAIN LEADER
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
SAN	SANITARY
SC	STORM CONDUCTOR
SSC	SECONDARY STORM CONDUCTOR
SCFM	STANDARD CUBIC FEET PER MINUTE
SHR	SHOWER
SK	SINK
SS	SOIL STACK
ST	STORM
SST	SECONDARY STORM
TB	THRUST BLOCK
TDL	TOTAL DEVELOPED LENGTH
TF	TERMINAL FITTING
TG	TRAP GUARD
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
TYP	TYPICAL
UB	UTILITY BOX
UR	URINAL
V	VENT
VAC	VACUUM
V/P	VOLTAGE / PHASE
VSTR	VENT STACK THROUGH ROOF
VS	VENT STACK
VTR	VENT THROUGH ROOF
WAGD	WASTE ANESTESIA GAS DISPOSAL
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WMB	WASHING MACHINE BOX
WS	WASTE STACK
YCO	YARD CLEANOUT

PLUMBING FIXTURE CONNECTION & DESCRIPTION SCHEDULE

MARK	FIXTURE	WASTE	COLD	HOT	SPECIFICATIONS
WC-1	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.
WC-2	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. INSTALL FLUSH VALVE WITH HANDLE ON THE OPEN SIDE (WIDE SIDE) OF STALL OR ROOM.
UR-1	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.
LAV-1	LAVATORY	1-1/4"	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-3C-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 #897CDP 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.
EWC-1	WATER COOLER, BI-LEVEL, ADA	1-1/2"	1/2"	---	ELKAY #LZSTL8WSSK EZH20' WALL HUNG, BI-LEVEL, ELECTRIC WATER COOLER, 8 GPH OF 50°F WATER, WITH WATER FILTER, FILTER STATUS INDICATOR AND BOTTLE FILLING STATION, 120/1/PH. PROVIDE: MCGUIRE #8912C CHROME PLATED BRASS P-TRAP WITH CLEANOUT PLUG MCGUIRE #LF2165 CHROME PLATED BRASS STOP VALVE AND SUPPLY RISER. JR SMITH #3634 IN WALL CARRIER. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR MOUNTING HEIGHT. MUST MEET ADA.
EEW-1	EMERGENCY EYE WASH	---	1/2"	1/2"	GUARDIAN #G1805 DECK MOUNTED SWIVEL EYE WASH LESS BOWL WITH ½" IPS PLUG-TYPE VALVE WITH PTFE COATED O-RING SEALS. SUPPLIED WITH IN-LINE STRAINER TO PROTECT VALVE AND SPRAY HEADS FROM DEBRIS IN WATER LINE. UNIT SHALL HAVE (2) POLYPROPYLENE GS-PLUS™ SPRAY HEADS WITH INTEGRAL "FLIP-TOP" DUST COVERS, FILTERS AND 1.6 GPM FLOW CONTROL ORIFICES MOUNTED ON A CHROME PLATED BRASS EYEWASH ASSEMBLY. ACTIVATE VALVE BY ROTATING 90° FROM STORED POSITION. UNIT SHALL INCLUDE ANSI COMPLIANT SIGN. ALL PIPE AND FITTINGS SHALL BE SCHEDULE 40 GALVANIZED DSTEEL WITH COLORED PIPE COVERS. PROVIDE: GUARDIAN #G6202LF LOW LEAD, THERMOSTATIC MIXING VALVE. MIXING VALVE MUST MEET ANZI Z358.1 AND ASSE 1071. SET OUTLET TO 85°F. . LOCATE MIXING VALVE HIGH ON WALL OR ABOVE CEILING.
SK-1	SINK, FREE STANDING	1-1/2"	1/2"	1/2"	ADVANCE TABCO #FS-1-2424, 304 STAINLESS STEEL, SINGLE 24"x24"x14" BOWL, BACKSPLASH DRILLED FOR FAUCET WITH 8" CENTERS, ROLLED RIM EDGES, FREE STANDING SINK WITH: TS BRASS #B-0665-BSTR, BACKSPLASH MOUNTED, CHROME PLATED BRASS BODY, PAIL HOOD, MALE GARDEN HOSE OUTLET, INTEGRAL SERVICE STOPS AND CHECKS, 4" LEVER HANDLES, ASSE 1001 VACUUM BREAKER FAUCET. NIBCO #S-585-70-66-LF, (OR T-580-70-66-LF) LEAD FREE, 2 PIECE, SILICONE BRONZE BODY, FULL PORT, STAINLESS STEEL BALL AND STEM, QUARTER TURN, BALL VALVE. STRIEM #SIDEKICK SOLIDS INTERCEPTOR WITH PERFORATED PULL OUT BASKET. CHARLOTTE PIPE #TOX SCHEDULE 40, PVC, P-TRAP WITH CLEANOUT PLUG. GUARDIAN #G6026-FSH DRENCH HOSE UNIT, WALL MOUNT BRACKET, 8'-0" FLEXIBLE STAINLESS STEEL HOSE. GUARDIAN #G6020 THERMOSTATIC MIXING VALVE, ASSE 1070, SET OUTLET TO 85°F.

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 COMPONENTS (STEM, HANDLE, BALL, ETC) ARE NOT ACCEPTABLE.

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	JANITOR 145	BUILDING	TANK	30	50	120	23	4.5	60	208/1	LOCHINVAR #LD2-30TK

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)	ELECTRICAL W	ELECTRICAL HZ	ELECTRICAL V/P	BASIS OF DESIGN
CP-1	JANITOR 145	IN-LINE	5	20	218	60	120/1	ARMSTRONG ASTRO 280SSU

NOTES:
1. ALL WETTED PARTS OF CIRCULATOR PUMP SHALL BE STAINLESS STEEL OR LEAD FREE BRASS/BRONZE.

PLUMBING SPECIALTIES CONNECTION SCHEDULE - PRESSURE

MARK	SPECIALTY EQUIPMENT	WASTE	COLD	HOT	CA	SPECIFICATIONS
WH-1	WALL HYDRANT	-	3/4"	-	-	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.
RH-1	COMPRESSED AIR HOSE REEL				1/2"	REELCRAFT #A5850 OLP-1/2. PROVIDE STOP FOR MINIMUM HOSE RETRACTING.

NOTES:
1. FOR HOSE BIBBS / WALL HYDRANTS - CHICAGO FAUCETS, J.R. SMITH, WOODFORD AND ZURN ARE APPROVED 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 SQUARE GRATE FOR TILE FLOORS. PROVIDE TRAP PRIMER CONNECTION WHERE INDICATED ON PLANS, PROVIDE ASSE 1072 MECHANICAL TRAP SEAL DEVICE IN ALL OTHERS. 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

NOTES:
1. FOR DRAINS LOCATED IN SLAB ON GRADE, PROVIDE CAULK OUTLET. FOR DRAINS LOCATED IN ELEVATED SLABS PROVIDE NO-HUB OUTLET.

AIR COMPRESSOR SCHEDULE

MODEL	LOCATION	TYPE	CFM (@ 125 PSIG)	PRESS (PSI)	RECEIVER GAL.	RECEIVER ORIENT.	ELECTRICAL HP (SYSTEM)	ELECTRICAL HZ	ELECTRICAL V/P	BASIS OF DESIGN
AC-1	WELDING LAB	ROTARY SCREW (VARIABLE SPEED)	80	125	120	HORT.	20	60	480/3	GARDNER DENVER #LRS15

NOTES:
1. PROVIDE MINIMUM 6" HIGH, HOUSE KEEPING PAD FOR AIR COMPRESSOR. HOUSEKEEPING PAD SHALL BE MINIMUM 6" LARGER THAN EQUIPMENT FOOT PRINT.
2. PROVIDE AUTOMATIC DRAIN ON RECEIVER. EXTEND DRAIN TO BUILDING EXTERIOR AND TERMINATE WITH ELBOW DOWN.
3. LOW OIL STOP CONTROL.
4. VIBRATION ISOLATORS.
5. PROVIDE WITH NEMA 4 ELECTRICAL ENCLOSURES. UNITS MUST BE RATED TO BE OUTDOORS.
6. PROVIDE WITH TANK MOUNTED AIR DRYER. COORDINATE DEDICATED 115V CIRCUIT FOR DRYER.

GENERAL NOTES - PLUMBING

1. LOCATIONS OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE. VERIFY WITH THE LOCAL UTILITY PROVIDER PRIOR TO BIDDING.
2. THE CONTRACTOR SHALL VERIFY EXACT LOCATION, SIZE AND ELEVATION OF ALL EXISTING SERVICES PRIOR TO INSTALLING ANY NEW PIPE.
3. ALL EXTERIOR (OUTSIDE) CLEANOUTS SHALL BE BROUGHT TO GRADE AND EMBEDDED IN A 18"x18"x6" THICK CONCRETE PAD.
4. WHEREVER DISSIMILAR METALS ARE CONNECTED, A DIELECTRIC CONNECTOR SHALL BE USED.
5. ALL HORIZONTAL WATER VENT PIPING IS RUN ABOVE CEILING ON PLAN WHICH SHOWN UNLESS OTHERWISE NOTED.
6. ALL HORIZONTAL SANITARY AND STORM PIPING IS RUN ABOVE FLOOR ON PLAN WHICH SHOWN UNLESS OTHERWISE NOTED.
7. ALL HORIZONTAL WATER PIPING ABOVE CEILING SHALL BE INSTALLED AS LOW AS POSSIBLE WITH BATT INSULATION INSTALLED OVER INSULATED PIPE OR WITHIN INSULATED ROOF.
8. ALL WATER PIPING BELOW SLAB ON GRADE SHALL BE BENT UP AT ENDS SO THAT NO JOINTS OCCUR BELOW THE FLOOR.
9. ALL WATER PIPING BELOW SLAB ON GRADE SHALL BE ENCASED IN A POLYETHYLENE PIPE SLEEVE FOR ITS ENTIRE LENGTH.
10. COORDINATE ALL PIPE ROUTING TO AVOID CONFLICTS WITH STRUCTURAL MECHANICAL AND ELECTRICAL FEATURES OF THE BUILDING.
11. PAVEMENT CUTS, BACKFILLING AND PATCHES SHALL MEET CITY OF PRATTVILLE REQUIREMENTS.
12. ALL OWNER FURNISHED EQUIPMENT IS EITHER EXISTING OR PROVIDED BY THE OWNER. ALL FINAL PLUMBING CONNECTIONS BY THIS CONTRACTOR.
13. ALL PIPE, VALVES AND FITTINGS SHALL BE MADE IN THE USA.
14. ALL CEILINGS SPACES SHALL BE CONSIDERED RETURN AIR PLENUM. ALL PIPING ROUTED IN A RETURN AIR PLENUM SHALL MEET ASTM E84.
15. ALL FLOOR DRAINS AND FLOOR CLEANOUTS SHALL BE INSTALLED WITH THE RIM/GRATE/COVER FLUSH WITH THE FINISHED FLOOR.
16. 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.
17. THE USE OF FOAM CORE/CELLULAR CORE PVC IS NOT ALLOWED.

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.

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.

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ISSUE | DATE
BID SET | 06/02/2026

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CHECKED BY: JSD

LBW CC - MIB WORKFORCE RENOVATIONS
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N. MAIN ST. OPP, AL 36467

ACCS 2025 161.LBWCC
GMC # AMGM260016

ALABAMA
No. 14178
PROFESSIONAL
ENGINEER
JAMES S. DAVIS, JR.
06/02/26

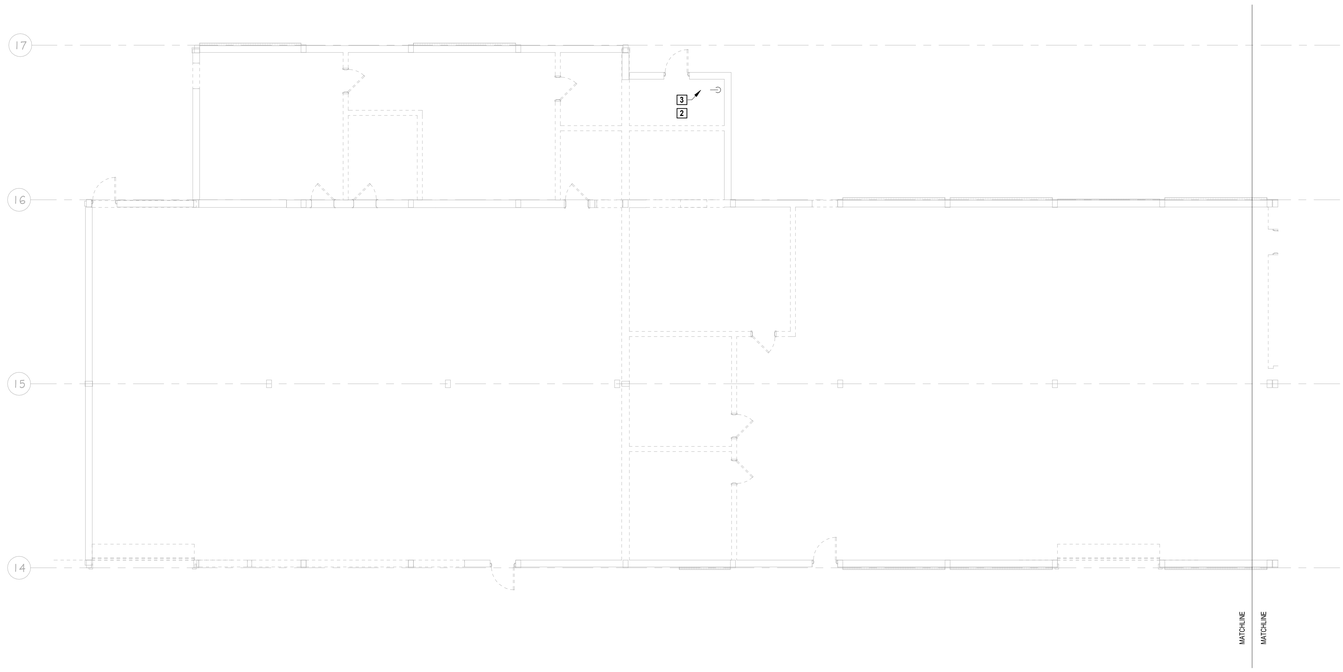
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LEGEND, SCHEDULES AND NOTES

P0.01

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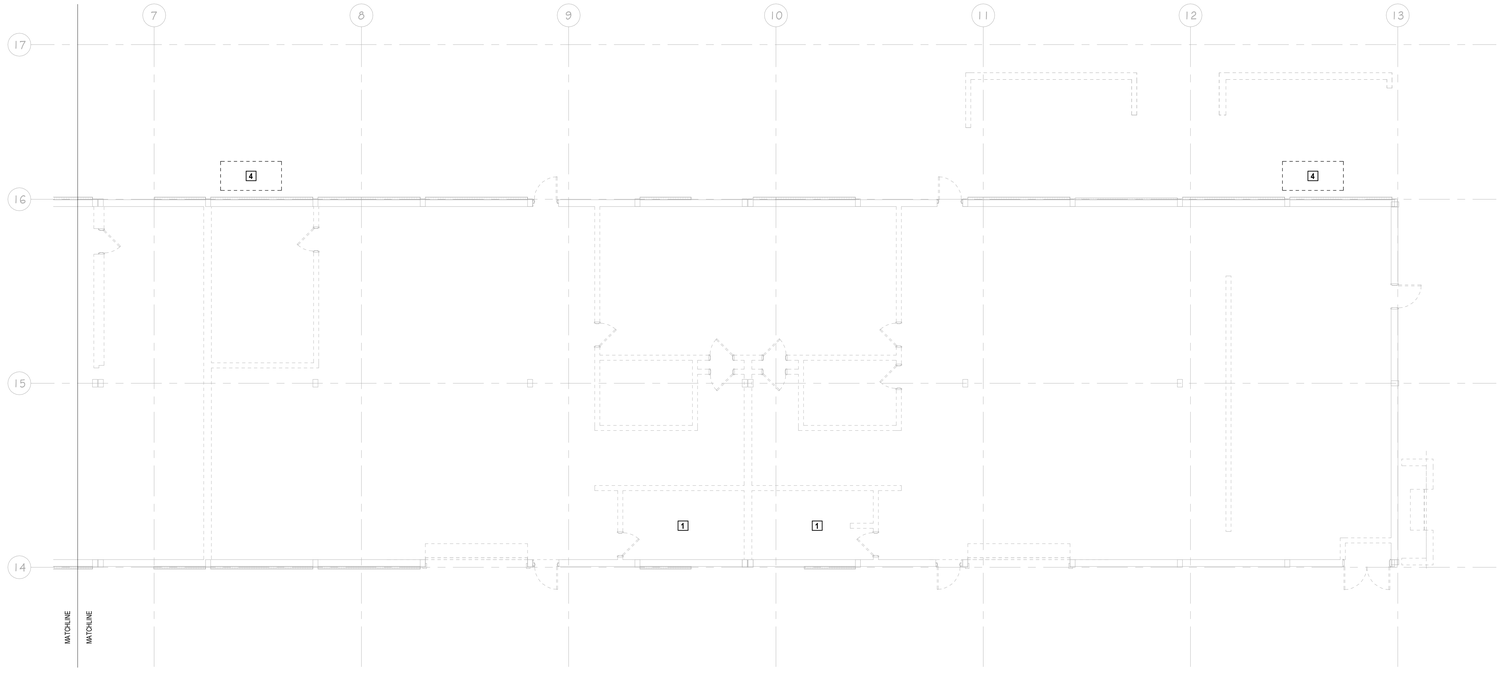


KEYED NOTES - PLUMBING DEMO

1. DISCONNECT AND REMOVE ALL PLUMBING FIXTURES COMPLETE. REMOVE ALL COLD WATER BACK TO SERVICE ENTRY. REMOVE SANITARY BACK TO BELOW FLOOR AND CAP. REMOVE VENT PIPING BACK TO VTR. COORDINATE FLOOR REPAIR WITH NEW ARCHITECTURAL LAYOUT.
2. DISCONNECT AND REMOVE EXISTING WATER HEATER COMPLETE. REMOVE ALL HOT WATER PIPING BACK TO FIXTURES. REMOVE COLD WATER BACK TO SERVICE WATER ENTRY.
3. DISCONNECT AND REMOVE ALL COLD WATER PIPING BACK TO SERVICE ENTRY. VERIFY OPERABILITY AND SHUTOFF OF EXISTING VALVE AND REPLACE AS REQUIRED.
4. DISCONNECT AND REMOVE EXISTING COMPRESSOR COMPLETE. REMOVE ALL COMPRESSED AIR PIPING DOWNSTREAM OF COMPRESSOR.

PLAN NORTH / TRUE NORTH

F4 Level 1 - Plumbing Demo Part A
SCALE: 1/8" = 1'-0"



PLAN NORTH / TRUE NORTH

A4 Level 1 - Plumbing Demo Part B
SCALE: 1/8" = 1'-0"

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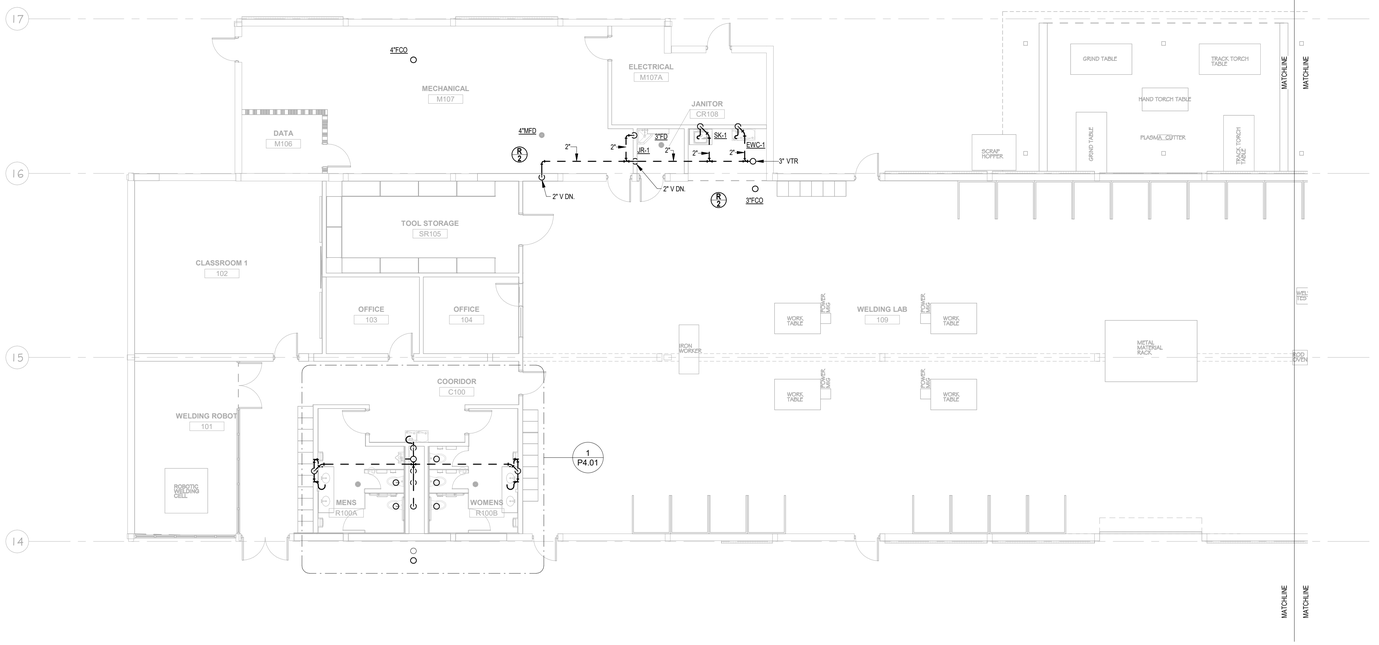
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PLUMBING DEMO PLANS

P1.01

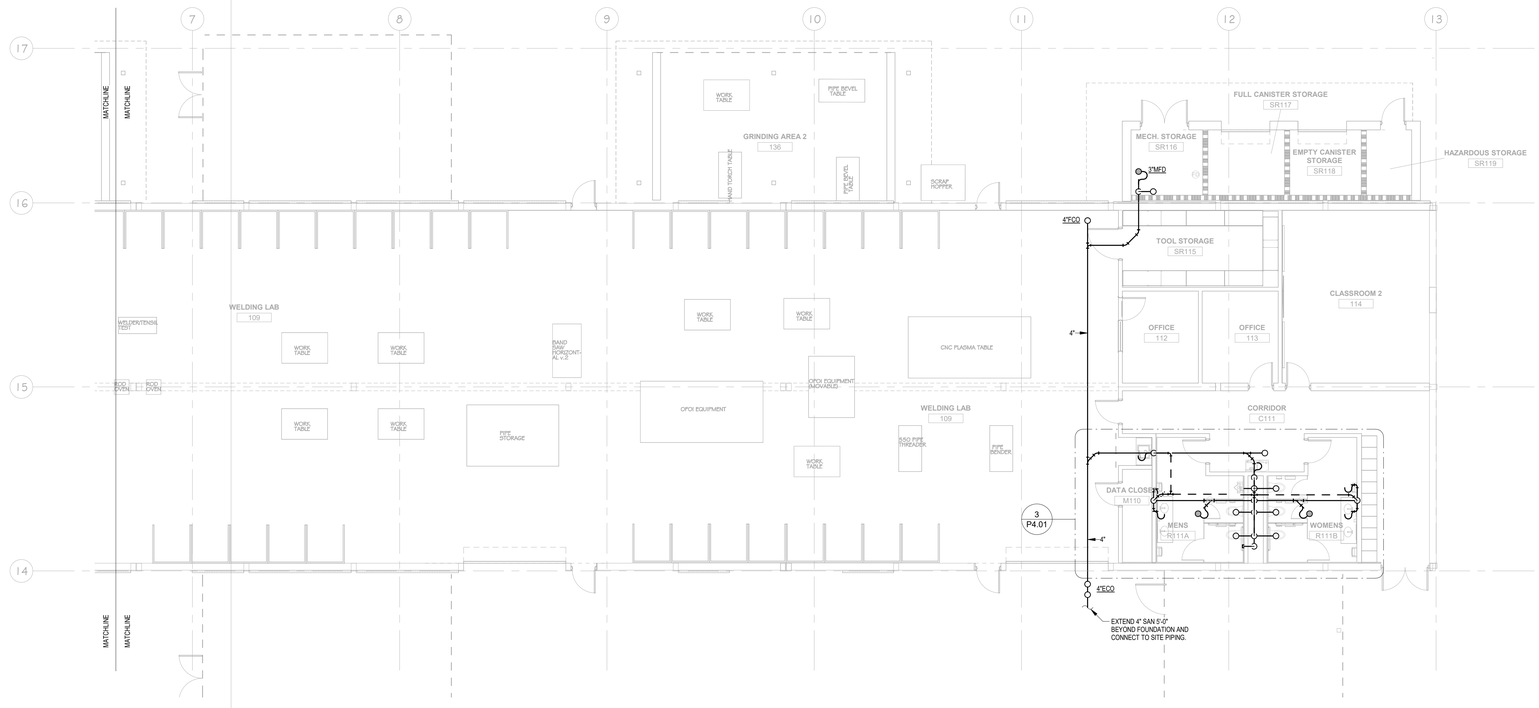
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PLAN NORTH TRUE NORTH

1 Level 1 - Non - Pressure Plumbing Part A

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



PLAN NORTH TRUE NORTH

2 Level 1 - Non - Pressure Plumbing Part B

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

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NON-PRESSURE PLUMBING PLANS

P1.02

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PRESSURE PLUMBING PLANS

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GMC # AMGM260016



P1.03

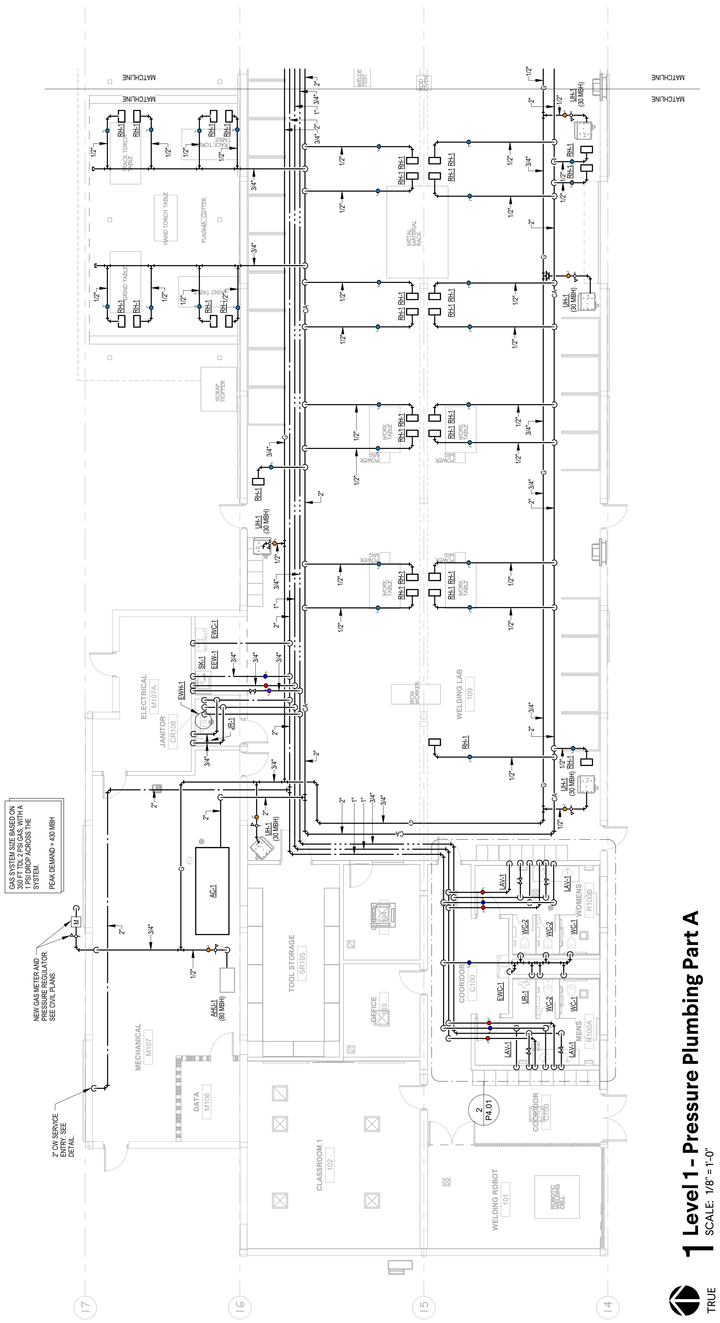
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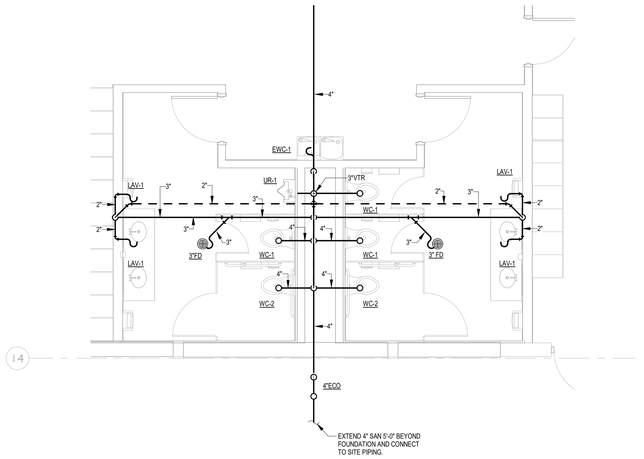
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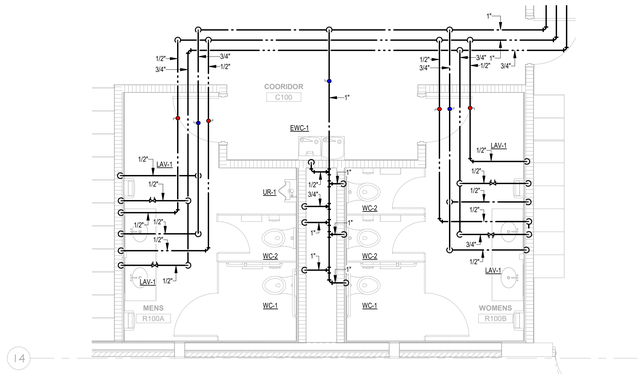
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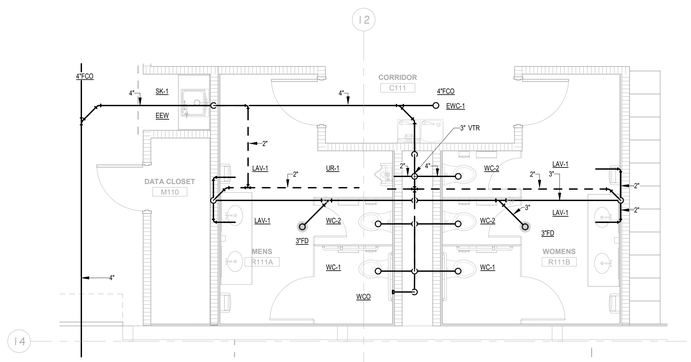




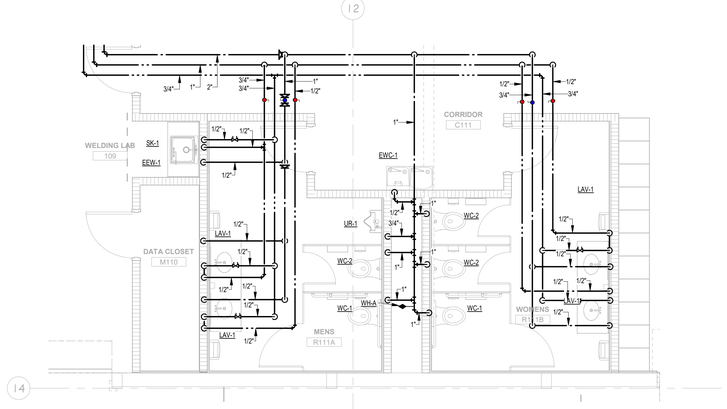
1 Level 1 - Enlarged - Non-Pressure Plumbing Part A
SCALE: 1/4" = 1'-0"



2 Level 1 - Enlarged - Pressure Plumbing Part A
SCALE: 1/4" = 1'-0"



3 Level 1 - Enlarged - Non-Pressure Plumbing Part B
SCALE: 1/4" = 1'-0"



4 Level 1 - Enlarged Pressure Plumbing Part B
SCALE: 1/4" = 1'-0"

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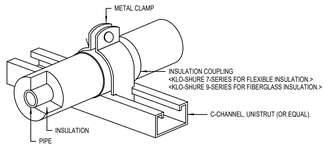
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LURLEEN B. WALLACE COMMUNITY COLLEGE
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ENLARGED PLANS

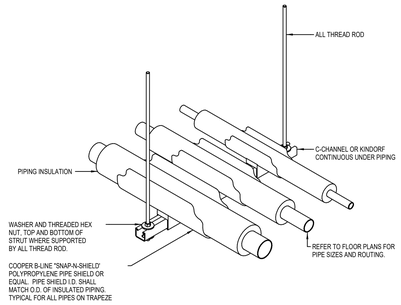
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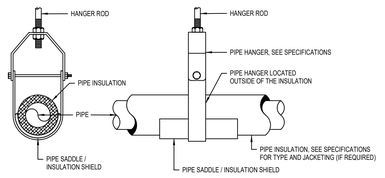


DETAIL NOTES:
1. FOR STRUT-MOUNTED, 4-INCH AND SMALLER, COPPER PIPING WITH <FOAMED PLASTIC (ARMAFLEX)> OR <FIBERGLASS> INSULATION.
2. ALLOWED FOR HORIZONTAL OR VERTICAL INSTALLATION.
3. SECURE ANCHOR C-CHANNEL TO ADJACENT SURFACES OR RAILS/POSTS.
4. FOR COLD PIPE APPLICATIONS, APPLY ADHESIVE TO END OF FOAMED PLASTIC INSULATION PRIOR TO INSERTING INTO THE COUPLING.

4 / P-500 **DETAIL OF STRUT MOUNTED PIPING SUPPORT**
NO SCALE

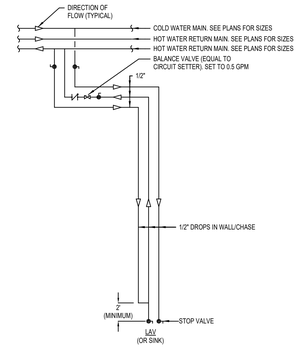


3 / P-500 **DETAIL OF TRAPEZE SUPPORT**
NO SCALE

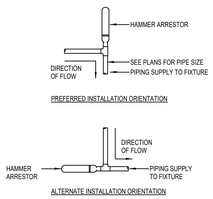


DETAIL NOTES:
1. PROVIDE FIBER GLASS INSULATION FOR THE FOLLOWING SYSTEMS
DOMESTIC COLD WATER
DOMESTIC HOT WATER
DOMESTIC HOT WATER RETURN
STORM PIPING
EXPOSED (ABOVE GROUND) SANITARY/WASTE PIPING RECEIVING CONDENSATE FROM REFRIGERATION EQUIPMENT OR TEMPERATURES ABOVE 120°F
2. PIPING EXPOSED TO FREEZING CONDITIONS (40°F OR COLDER) IS REQUIRED TO BE HEAT TRACED AND THEN INSULATED. COORDINATE HEAT TRACING WITH ELECTRICAL.

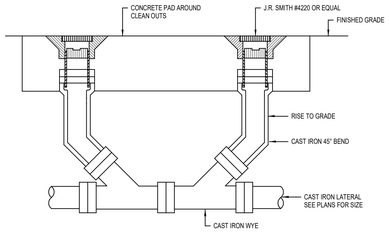
2 / P-500 **DETAIL OF CLEVIS HANGER**
NO SCALE



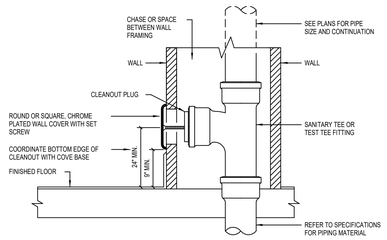
1 / P-500 **DETAIL OF ENERGY CODE COMPLAINT SUPPLY TO LAVATORY/SINK**
NO SCALE



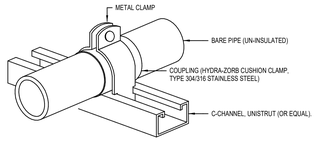
8 / P-500 **DETAIL OF HAMMER ARRESTOR**
NO SCALE



7 / P-500 **DETAIL OF EXTERIOR CLEANOUT TO GRADE**
NO SCALE

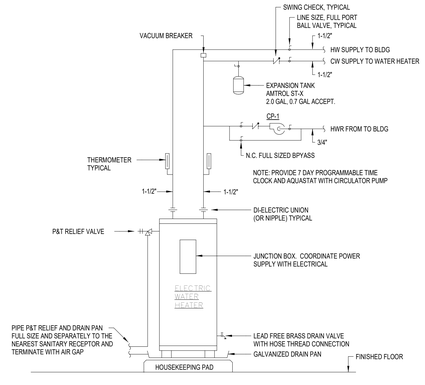


6 / P-500 **DETAIL OF WALL CLEANOUT**
NO SCALE

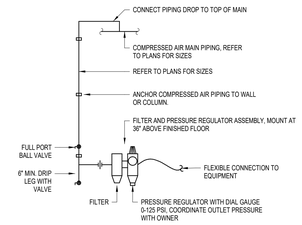


DETAIL NOTES:
1. FOR STRUT-MOUNTED, UN-INSULATED PIPING.
2. ALLOWED FOR HORIZONTAL OR VERTICAL INSTALLATION.
3. SECURE ANCHOR C-CHANNEL TO ADJACENT SURFACES OR RAILS/POSTS.

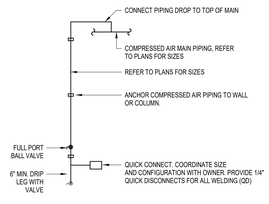
5 / P-500 **DETAIL OF STRUT MOUNTED PIPING SUPPORT**
NO SCALE



11 / P-500 **DETAIL of PIPING at WATER HEATER**
NO SCALE



10 / P-500 **DETAIL OF COMPRESSED AIR DROP TO EQUIPMENT**
NO SCALE



9 / P-500 **DETAIL OF COMPRESSED AIR DROP (QD)**
NO SCALE

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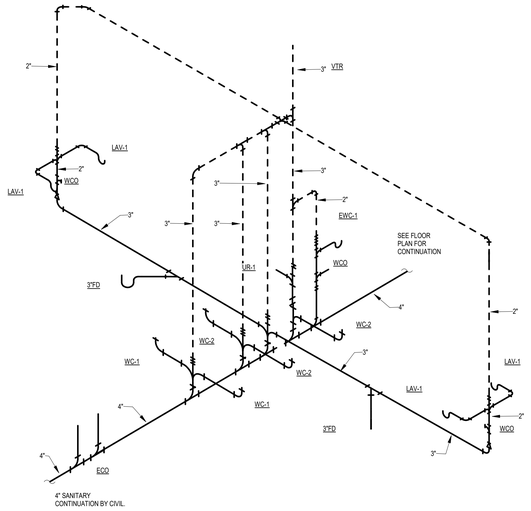
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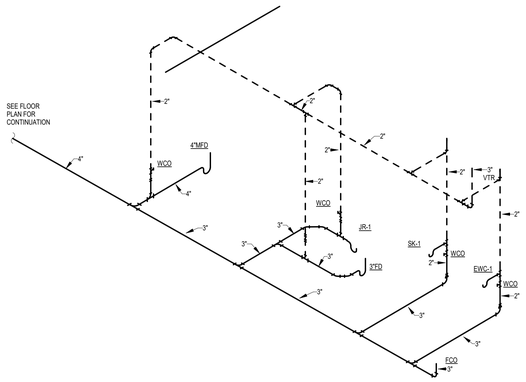
PLUMBING DETAILS

P5.01

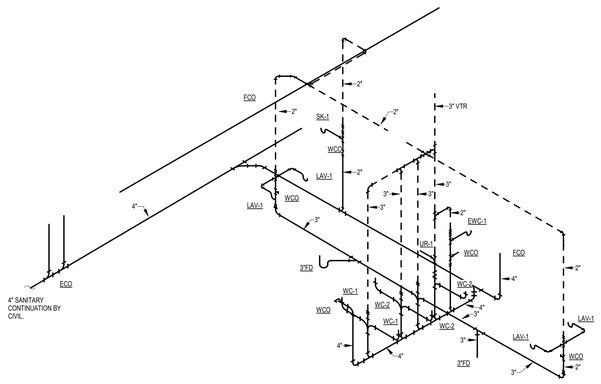
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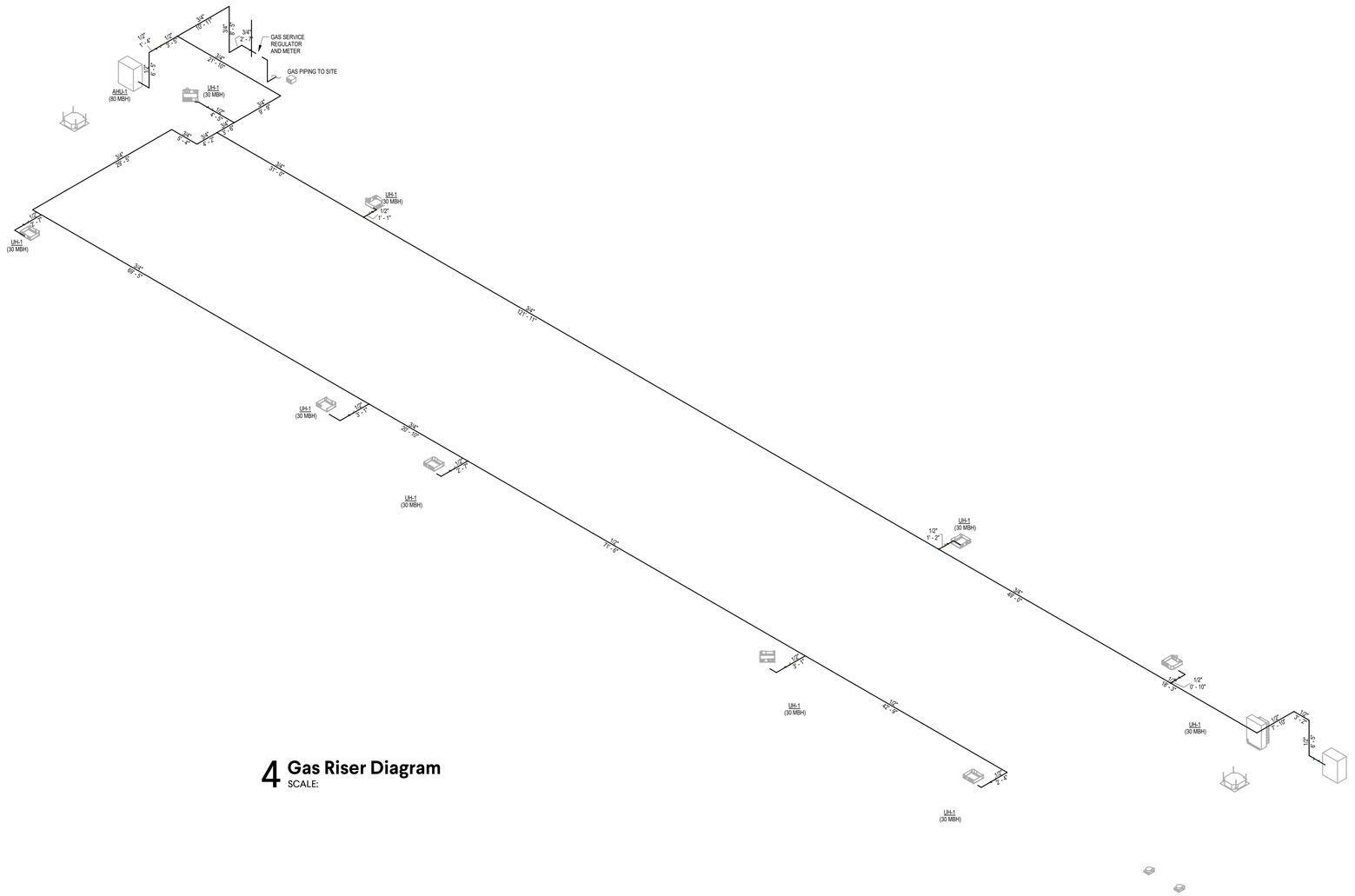
1 Sanitary Riser 01
SCALE:



2 Sanitary Riser 02
SCALE:



3 Sanitary Riser 03
SCALE:



4 Gas Riser Diagram
SCALE:

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ALABAMA
JAMES S. DAVIS JR.
No. 14178
PROFESSIONAL ENGINEER
06/02/26

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RISER DIAGRAMS

P9.01

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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
- CW — CONDENSER WATER SUPPLY
- D — AC UNIT DRAIN LINES
- 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

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).

DEMOLITION NOTES:

1. THE DEMOLITION WORK SHALL BE SCHEDULED WITH THE NEW INSTALLATION WORK AS TO MINIMIZE ANY DOWN TIME TO THE EXISTING SYSTEMS.
2. CONTRACTOR SHALL DISPOSE OF DEMOLISHED MATERIALS IN A TIMELY MANNER. DEMOLISHED MATERIALS SHALL NOT CLUTTER WORK AREAS.
3. DEMOLITION SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT LAWS, CODES IN EFFECT IN THE JURISDICTION IN WHICH THE WORK IS TO OCCUR, AND THE SPECIFICATIONS.

FOR ALL REFRIGERANT AND CONDENSATE PIPING:
RE-USE EXISTING WALL PENETRATION WHEN POSSIBLE.
MAINTAIN MANUFACTURER RECOMMENDATION FOR REFRIGERANT PIPE LENGTHS.

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Project #225106

SPLIT SYSTEM - AIR HANDLING UNITS (GAS FURNACES W/ DX COIL)

MARK	SERVES	UNIT CONFIGURATION	SUPPLY FAN			GROSS COOLING CAPACITY				GAS HEATING		OSA CFM	SINGLE POINT POWER			NOMINAL TONS	BASIS OF DESIGN TRANE
			CFM	"W.G. E.S.P	HP	TOTAL (MBH)	SENSIBLE (MBH)	AIR ENT. °FDB	AIR ENT. °FWB	INPUT (MBH)	OUPUT (MBH)		ELECT. (V/Φ/Hz)	MCA (AMPS)	MOCP (AMPS)		
AHU–1	WEST OFFICE/ CLASSROOM	VERTICAL	1600	0.5"	0.75	46.0	34.0	78	65	80	77.2	265	115/1/60	10.3	15	4.0	S9X1B08 & 5TXCB007
AHU–2	EAST OFFICE/ CLASSROOM	VERTICAL	1600	0.5"	0.75	46.0	34.0	78	65	80	77.2	225	115/1/60	10.3	15	4.0	S9X1B08 & 5TXCB007

AIR HANDLING UNIT GENERAL NOTES

1. COOLING CAPACITY BASED ON 95°F AMBIENT.
2. HEATING CAPACITY BASED ON 47°F AMBIENT.
3. CONTRACTOR TO COORDINATE/VERIFY ELECTRICAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER AND FIELD CONDITIONS PRIOR TO ORDERING.
4. UL LISTED AND AHRI STANDARD 430 CERTIFIED.
5. MAX FACE VELOCITY = 500 FPM.
6. PROVIDE UL LISTED SMOKE DETECTORS IN SUPPLY & RETURN FOR ALL UNITS OVER 2,000 CFM

ACCESSORIES – ALL UNITS

1. PHASE PROTECTION
2. MICROPROCESSOR CONTROLS
3. INTERNALLY ISOLATED FAN
4. 2" THICK THROWAWAY FILTERS, 30% EFFICIENT
5. AUXILIARY DRAIN PAN WITH FLOAT SWITCH.
6. DUAL INDEPENDENT REFRIGERANT CIRCUITS (ALL UNITS 6 TONS & LARGER)
7. PROVIDE GLOBAL PLASMA SOLUTIONS AIR PURIFICATION SYSTEM MOUNTED WITHIN ALL NEW AIR HANDLING UNITS AS SPECIFIED AND REQUIRED. PROVIDE 24 VAC OR 115 VAC CIRCUIT AS REQUIRED.
8. FURNACE CONDENSATE NEUTRALIZER.
9. VENT FURNACE THROUGH ROOF PER MANUFACTURERS INSTALLATION INSTRUCTIONS.

SPLIT SYSTEM - OUTDOOR UNITS

MARK	SERVES	TYPE	ELECT. (V/Φ/Hz)	NOMINAL TONS	MCA (AMPS)	MOCP (AMPS)	MIN EER/SEER	BASIS OF DESIGN TRANE
CU–1	AHU–1	CONDENSING UNIT	208/3/60	4.0	18	30	13 EER	4TTA4048A
CU–2	AHU–2	CONDENSING UNIT	208/3/60	4.0	18	30	13 EER	4TTA4048A

OUTDOOR UNIT GENERAL NOTES

1. MINIMUM UNIT ONLY EER AT ARI CONDITIONS.
2. CONTRACTOR TO COORDINATE/VERIFY ELECTRICAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER AND FIELD CONDITIONS PRIOR TO ORDERING.
3. REFRIGERANT: R–454B
3. UL LISTED AND AHRI STANDARD 210/240 CERTIFIED.

ACCESSORIES – ALL UNITS

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 0°F
9. FROSTSTAT
10. THERMAL EXPANSION VALVE
11. HAIL/VANDAL GUARDS
12. VIBRATION ISOLATORS
13. SIGHT GLASS WITH MOISTURE INDICATOR

ELECTRIC UNIT HEATERS (EUH)

MARK	QTY.	HEATING CAP. (KW)	V/Φ/Hz	BASIS OF DESIGN
EUH–1	1	5.0	277/1/60	MARKEL 5100

PROVIDE UNIT MOUNTED THERMOSTAT, MOUNTING FRAME, DISCONNECT, HORIZONTAL LOUVERS, CONTACTORS, FUSING, AND CONTROL TRANSFORMER. ALL ELECTRICAL COMPONENTS SHALL BE WIRED TO A SINGLE POINT POWER CONNECTION.

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
EF–1	WOMENS 110	(H)	150	0.5	––	70w	120/1/60	(6)	LIGHT SWITCH	LOREN COOK GC–186
EF–2	MENS 111	(H)	150	0.5	––	70w	120/1/60	(6)	LIGHT SWITCH	LOREN COOK GC–186
EF–3	JANITOR 145	(H)	50	0.25	––	24.1w	120/1/60	(6)	LIGHT SWITCH	LOREN COOK GC–128
EF–4	MENS 120	(H)	150	0.5	––	70w	120/1/60	(6)	LIGHT SWITCH	LOREN COOK GC–186
EF–5	WOMENS 121	(H)	150	0.5	––	70w	120/1/60	(6)	LIGHT SWITCH	LOREN COOK GC–186
EF–6	MECHANICAL 107	(F)	1200	0.25	––	.167	120/1/60	(5)	WALL T'STAT @ 85°F AND LV–4	LOREN COOK 135SQN12D
VF–1	WELDING LAB 143	(J)	9,000	0.5	30	2.0	480/3/60	(2)(9)	VFD	LOREN COOK 30EW4
VF–2	WELDING LAB 143	(J)	9,000	0.5	30	2.0	480/3/60	(2)(9)	VFD	LOREN COOK 30EW4
VF–3	WELDING LAB 143	(J)	9,000	0.5	30	2.0	480/3/60	(2)(9)	VFD	LOREN COOK 30EW4

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
- (J) PROPELLER VENTILATION FAN DIRECT DRIVE

FAN ACCESSORIES:

- (1) BIRDSCREEN, ROOF CURB (MINIMUM 8" ABOVE INSULATION), BACKDRAFT DAMPER, DISCONNECT SWITCH.
- (2) WIRE GUARD, WALL COLLAR, GSS WALL SHUTTER, WEATHER HOOD.
- (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 ISOLATORS, DISCONNECT SWITCH, WALL CAP.
- (7) CONNECT TO EMERGENCY POWER
- (8) BIRDSCREEN, ROOF CURB (MINIMUM 8" ABOVE INSULATION), BACKDRAFT DAMPER, DISCONNECT SWITCH, VARIABLE FREQUENCY DRIVE.
- (9) VERIFY IN FIELD PRIOR TO ORDERING THAT FAN WILL FIT IN EXISTING WINDOW.

VRF SPLIT SYSTEM AIR CONDITIONING INDOOR UNIT

MARK	LOCATION	TYPE	MAX. CFM	COOLING TOTAL (MBH)	COOLING SENSIBLE (MBH)	SEER2	HEATING (MBH)	ELECTRICAL V/Φ/Hz	ELECTRICAL MCA	ELECTRICAL MOCP	NOMINAL TONS	BASIS OF DESIGN MITSUBISHI
AC–A	WELDING ROBOT 102	CLNG MTD.	810	24.0	19.2	22.6	29.0	208/1/60	1.0	15.0	2.0	PLA–A24E7
AC–B	DATA – M101B	WALL MOUNTED	775	24.0	19.2	22.6	---	208/1/60	1.0	15.0	2.0	PKA–AK24NL
AC–C	ELEC – M101C	WALL MOUNTED	775	24.0	19.2	22.6	---	208/1/60	1.0	15.0	2.0	PKA–AK24NL
AC–D	DATA –M102	WALL MOUNTED	775	24.0	19.2	22.6	---	208/1/60	1.0	15.0	2.0	PKA–AK24NL
AC–E	OFFICE 104	CLNG MTD.	530	12.0	10.6	26.9	20.0	208/1/60	1.0	15.0	1.0	PLA–A12EA
AC–F	OFFICE 112	CLNG MTD.	530	12.0	10.6	26.9	20.0	208/1/60	1.0	15.0	1.0	PLA–A12EA

ACCESSORIES

- (1) WIRED WALL MOUNTED CONTROLLER.
- (2) PROVIDE DISCONNECT SWITCH.
- (3) CONDENSATE PUMP AND PAN SAFETY SWITCH.
- (4) PROVIDE CONDENSATE PUMP WITH MINIMUM 12 FT. OF HEAD PRESSURE CAPABILITY. PROVIDE MOUNTING BRACKET.
- (5) REFRIGERANT LEAKAGE SENSOR, MITSUBISHI MAC–100RS–E OR EQUAL.

NOTES:

- (A) COOLING CAPACITY IS NET CAPACITY @ 95°F AMBIENT.
- (B) HEATING CAPACITY IS NET CAPACITY @ 47°F AMBIENT.
- (C) INDOOR UNIT POWERED BY OUTDOOR UNIT
- (D) 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.

VRF SPLIT SYSTEM AIR CONDITIONING OUTDOOR UNIT

MARK	SERVES	ELECTRICAL V/Φ/Hz	ELECTRICAL MCA	ELECTRICAL MOCP	NOMINAL TONS	ESTIMATED WEIGHT	BASIS OF DESIGN MITSUBISHI
HP–A	AC–A	208/1/60	19	26	2.0	160 LBS.	PUZ–AH24NL
HP–B	AC–B	208/1/60	22	37	2.0	160 LBS.	PUZ–AH24NL
HP–C	AC–C	208/1/60	22	37	2.0	160 LBS.	PUZ–AH24NL
HP–D	AC–D	208/1/60	22	37	2.0	160 LBS.	PUZ–AH24NL
HP–E	AC–E	208/1/60	11	28	1.0	120 LBS.	PUZ–A12NK
HP–F	AC–F	208/1/60	11	28	1.0	120 LBS.	PUZ–A12NK

ACCESSORIES

- (1) CONDENSER CRANKCASE HEATER AND LOW AMBIENT CONTROL.
- (2) PROVIDE DISCONNECT SWITCH.
- (3) PROVIDE ALUMINUM JACKET ON OUTDOOR REFRIGERANT PIPING.

AIR DEVICE LEGEND

MARK	DESCRIPTION	(X) SQUARE NECK SIZE	(X) ROUND RUNOUT	MODEL #
LD(X)	LOUVER FACE 24"X24" LAY–IN CEILING DIFFUSER. 4–WAY THROW UNLESS NOTED OTHERWISE. CFM SHOWN.	6 X 6 9 X 9 12 X 12 15 X 15 18 X 18	6"ø 8"ø 10"ø 12"ø 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
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 SHOWN.	––		TITUS 350

LOUVER SCHEDULE

MARK	MOUNT	SIZE	AREA SERVED	MIN. FREE AREA	MINIMUM PRESSURE DROP IN W.G.	CFM	DESIGN BASIS
LV–1	SIDEWALL	3'X13'	WELDING LAB	50%	0.20	12,000	RUSKIN ELF375DX
LV–2	SIDEWALL	3'X13'	WELDING LAB	50%	0.20	12,000	RUSKIN ELF375DX
LV–3	SIDEWALL	3'X13'	WELDING LAB	50%	0.20	12,000	RUSKIN ELF375DX
LV–4	SIDEWALL	36"x36"	MECHANICAL 107	50%	0.20	1200	RUSKIN ELF375DX

NOTES:
1. LOUVER TO INCLUDE FLANGE FRAME AND KYNAR FINISH. (COLOR TO BE SELECTED BY ARCHITECT). VERIFY IN FIELD PRIOR TO ORDERING THAT LOUVER WILL FIT IN EXISTING WINDOW.
2. PROVIDE AUTOMATIC DAMPER.

GAS-FIRED UNIT HEATERS (UH-1)

MARK	NUMBER OF UNITS	MANUFACTURER	MODEL	UNIT SIZE	VENT SIZE (IN)	ELECTRICAL V/Φ/Hz	ELECTRICAL FLA	ELECTRICAL MOCP	HEATER FUEL	HEATER INPUT (BTU/HR)	HEATER OUTPUT (BTU/HR)	APPROX. WEIGHT (LBS)	ACCESSORIES
UH–1	9	REZNOR	UDXC	30	4	115/1/20	1.9	15	NATURAL GAS	30,000	24,600	70	1

ACCESSORIES:
1. VENT PIPE KIT, HANGER KIT, & THERMOSTAT.

ROOF HOODS BUILDING

MARK	TYPE	MANUFACTURER	DESIGN BASIS	APPROX. WEIGHT
IH–1	(A)	GREENHECK	FGI 80X123 THROAT 36X84	300 LBS.
IH–2	(A)	GREENHECK	FGI 80X123 THROAT 36X84	300 LBS.
IH–3	(A)	GREENHECK	FGI 80X123 THROAT 36X84	300 LBS.

HOOD TYPES:

(A) INTAKE

NOTES:
PROVIDE AUTOMATIC DAMPER INTERLOCKED WITH VENTILATION FANS.

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ISSUE DATE
BID SET 06/02/2026

DRAWN BY: JAG
CHECKED BY: JSD

LBW CC - MIB WORKFORCE RENOVATIONS
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025.161.LBWCC
GMC # AMGM260016



05/04/26

225106

HVAC SCHEDULES AND NOTES

M0.01

3/19/2009 10:47:59 AM TEMPLATE VERSION: 1.0

COMcheck Software Version COMcheckWeb

Mechanical Compliance Certificate

Project Information

Energy Code:	2015 IECC
Project Title:	LBW
Location:	Opp, Alabama
Climate Zone:	3a
Project Type:	New Construction

Construction Site:
1708 N MAIN ST
OPP, Alabama 36467

Owner/Agent:

Designer/Contractor:

Additional Efficiency Package(s)
Credits: 1.0 Required 0.0 Proposed

Mechanical Systems List

Quantity	System Type & Description
9	UH-1 (Single Zone w/ PerimeterSystem): Heating: 9 each - Radiant Heater, Gas, Capacity = 30000 kBtu/h No minimum efficiency requirement applies Fan System: UH -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 1 Supply, Constant Volume, 456 CFM, 0.1 motor nameplate hp, 67.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency
1	AHU-1 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 80000 kBtu/h Proposed Efficiency = 0.00% Et, Required Efficiency: 80.00 % Et Cooling: 1 each - Split System, Capacity = 46000 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 12.00 EER, Required Efficiency = 9.50 EER Proposed Part Load Efficiency = 14.00 IEER, Required Part Load Efficiency = 11.00 IEER Fan System: AHU -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: AHU Supply, Constant Volume, 1600 CFM, 0.8 motor nameplate hp, 67.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency SYSTEM COMPLIANCE FAILS: PROPOSED EFFICIENCY FAILS TO MEET CODE REQUIREMENTS.
1	AHU-2 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 80000 kBtu/h Proposed Efficiency = 0.00% Et, Required Efficiency: 80.00 % Et Cooling: 1 each - Split System, Capacity = 46000 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 12.00 EER, Required Efficiency = 9.50 EER Proposed Part Load Efficiency = 14.00 IEER, Required Part Load Efficiency = 11.00 IEER Fan System: AHU -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: AHU Supply, Constant Volume, 1600 CFM, 0.8 motor nameplate hp, 67.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency SYSTEM COMPLIANCE FAILS: PROPOSED EFFICIENCY FAILS TO MEET CODE REQUIREMENTS.
1	AC-A (Single Zone w/ PerimeterSystem): Heating: 1 each - Unit Heater, Electric, Capacity = 29000 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - VRF Zone Fan Unit, Capacity = 24000 kBtu/h, Air Economizer No minimum efficiency requirement applies Fan System: AHU -- Compliance (Motor nameplate HP and fan efficiency method) : Passes

Quantity	System Type & Description
	Fans: AHU Supply, Constant Volume, 1600 CFM, 0.8 motor nameplate hp, 67.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency
1	AC-B (Single Zone): Cooling: 1 each - VRF Zone Fan Unit, Capacity = 24000 kBtu/h, Air Economizer No minimum efficiency requirement applies Fan System: AHU -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: AHU Supply, Constant Volume, 1600 CFM, 0.8 motor nameplate hp, 67.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency
1	AC-C (Single Zone): Cooling: 1 each - VRF Zone Fan Unit, Capacity = 24000 kBtu/h, Air Economizer No minimum efficiency requirement applies Fan System: AHU -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: AHU Supply, Constant Volume, 1600 CFM, 0.8 motor nameplate hp, 67.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency
1	AC-D (Single Zone): Cooling: 1 each - VRF Zone Fan Unit, Capacity = 24000 kBtu/h, Air Economizer No minimum efficiency requirement applies Fan System: AHU -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: AHU Supply, Constant Volume, 1600 CFM, 0.8 motor nameplate hp, 67.0 fan efficiency grade, 0.0 total fan efficiency, 0.0 design fan efficiency

James S. Davis, Jr PE
4-22-26

OUTSIDE AIR CALCULATIONS (AHU-1)

OCCUPANCY CATEGORY	PEOPLE (Pz)	AREA (Az)	CFM / P (Rp)	CFM / SF (Ra)	UNCORRECTED OSA
H1 HALLWAY	0	419 S.F.	5.0	0.06	25 CFM
112 WELDING ROBOT	0	305 S.F.	0.0	0.06	28 CFM
119 OFFICE	1	121 S.F.	5.0	0.6	12 CFM
120 OFFICE	1	121 S.F.	5.0	0.6	12 CFM
126 CLASSROOM	12	552 S.F.	5.0	0.12	186 CFM

TOTAL SUPPLY AIR: (Vpz)	1600 CFM
TOTAL UNCORRECTED OSA: (Vou)	264 CFM
ZONE EFFECTIVENESS: (Ez)	0.8
VENTILATION EFFICIENCY: (Ev)	1.0
TOTAL CORRECTED OSA: (Vot)	264.2 CFM
TOTAL OSA PROVIDED:	265 CFM

NOTES

1. OUTSIDE AIR CALCS. BASED ON ASHRAE STANDARD 62.1–2021 IMC, TABLE 403.3.1.1.
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
H2 HALLWAY	0	434 S.F.	5.0	0.06	25 CFM
127 OFFICE	1	121 S.F.	5.0	0.6	12 CFM
128 OFFICE	1	121 S.F.	5.0	0.6	12 CFM
142 CLASSROOM	12	433 S.F.	5.0	0.12	186 CFM

TOTAL SUPPLY AIR: (Vpz)	1600 CFM
TOTAL UNCORRECTED OSA: (Vou)	221 CFM
ZONE EFFECTIVENESS: (Ez)	0.8
VENTILATION EFFICIENCY: (Ev)	1.0
TOTAL CORRECTED OSA: (Vot)	221.8 CFM
TOTAL OSA PROVIDED:	225 CFM

NOTES

1. OUTSIDE AIR CALCS. BASED ON ASHRAE STANDARD 62.1–2021 IMC, TABLE 403.3.1.1.
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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ISSUE DATE
BID SET 06/02/2026

DRAWN BY: JAG
CHECKED BY: JSD

LBW CC - MIB WORKFORCE RENOVATIONS
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025.161.LBWCC
GMC # AMGM260016

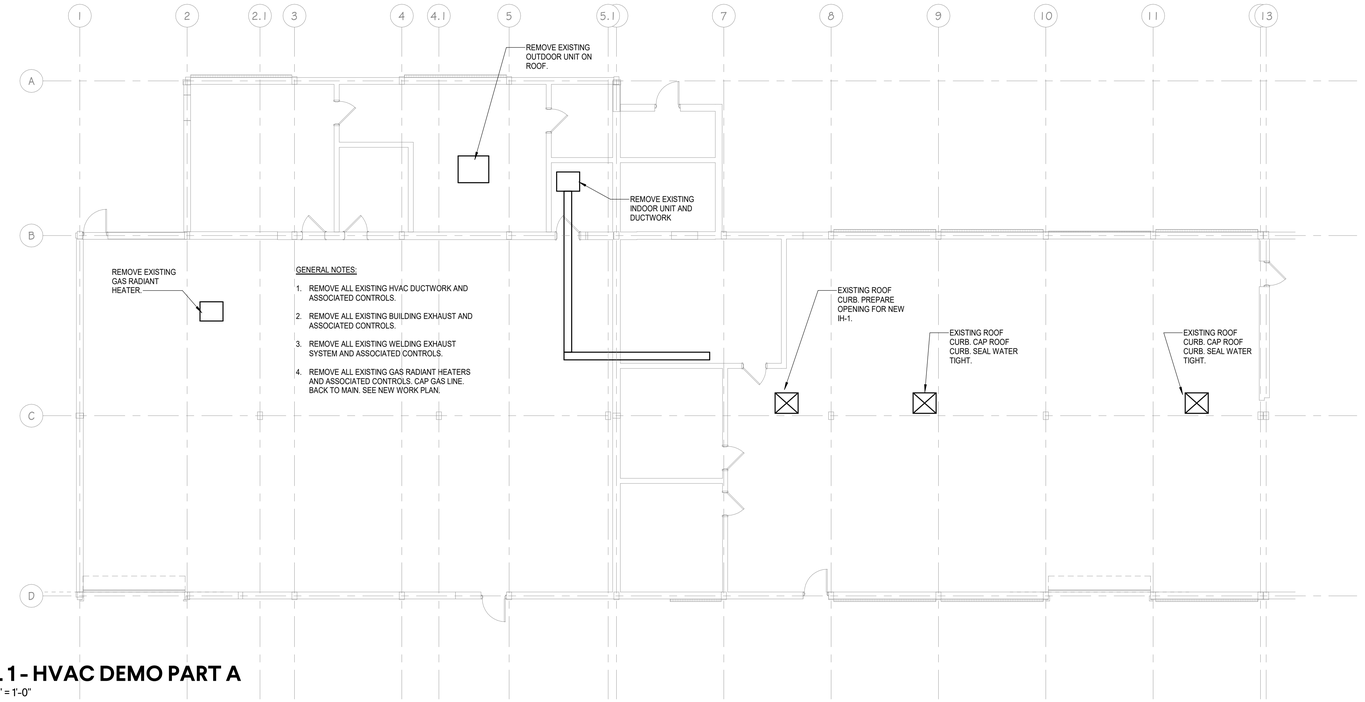
ALABAMA
No. 14178
PROFESSIONAL
ENGINEER
JAMES S. DAVIS, JR.
06/02/2026
225106

HVAC SCHEDULES

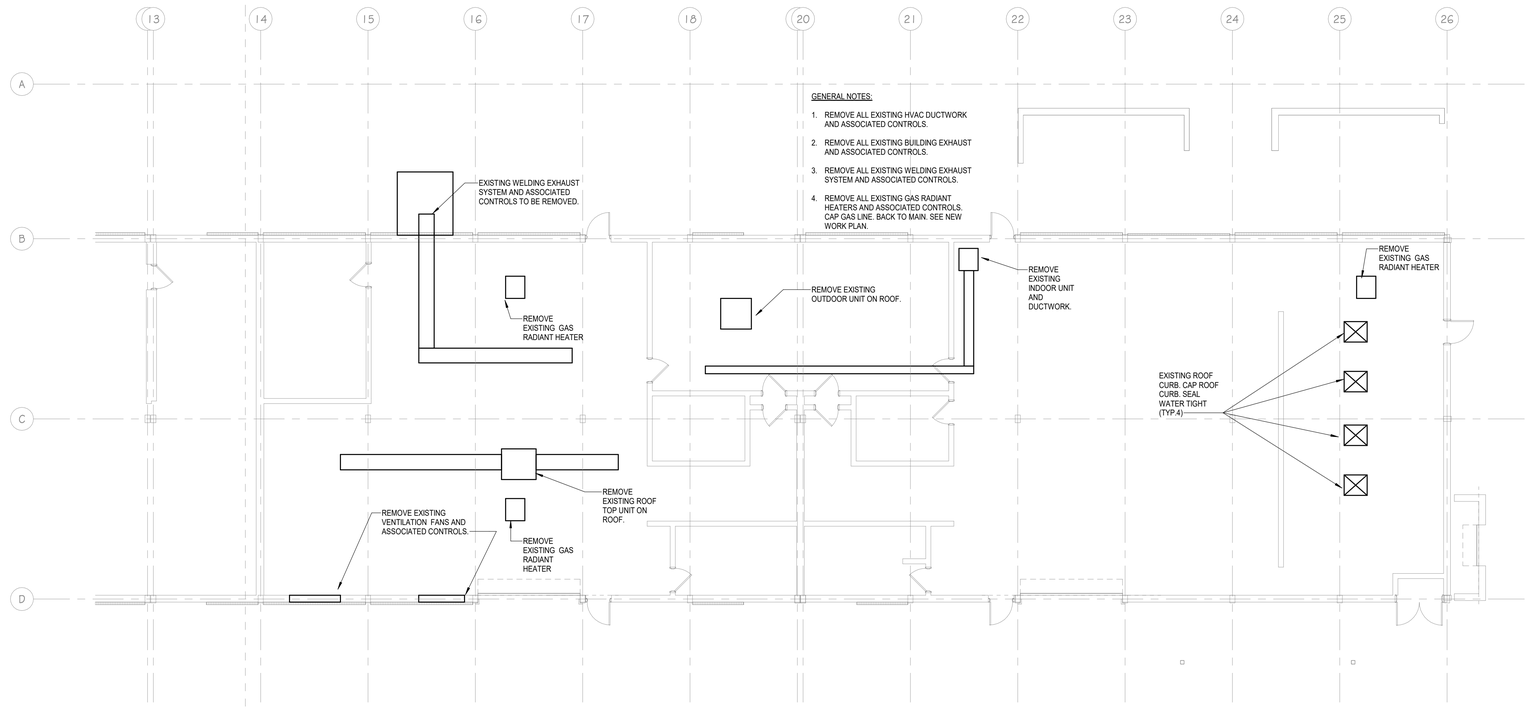
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3/19/2009 10:47:59 AM TEMPLATE VERSION: 1.0

MW / Davis Dumas & Associates, Inc.
CONSULTING ENGINEERS
4500 Southlake Park, Suite 200
Hoover, Alabama 35244
Phone: (205) 252-0246
www.mwdda.com
Project # 225106



1 LEVEL 1 - HVAC DEMO PART A
SCALE: 1/8" = 1'-0"



2 HVAC DEMO PART B
SCALE: 1/8" = 1'-0"

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

ISSUE	DATE
BID SET	06/02/2026

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LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025 161 LBWCC
GMC # AMGM260016

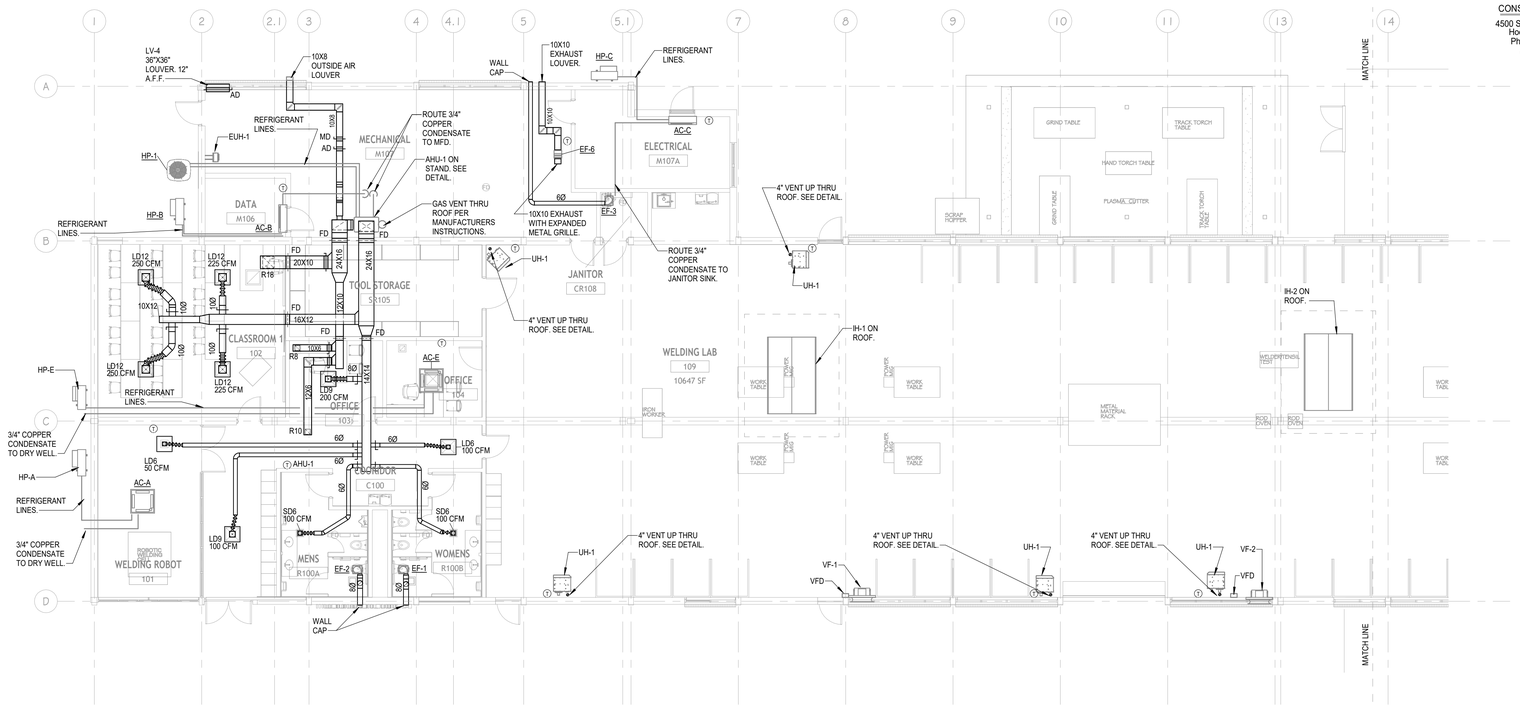
LARRY JAMES DAVIS No. 14178 PROFESSIONAL ENGINEER
06/02/26
225106

LEVEL 1 - HVAC DEMO PLANS

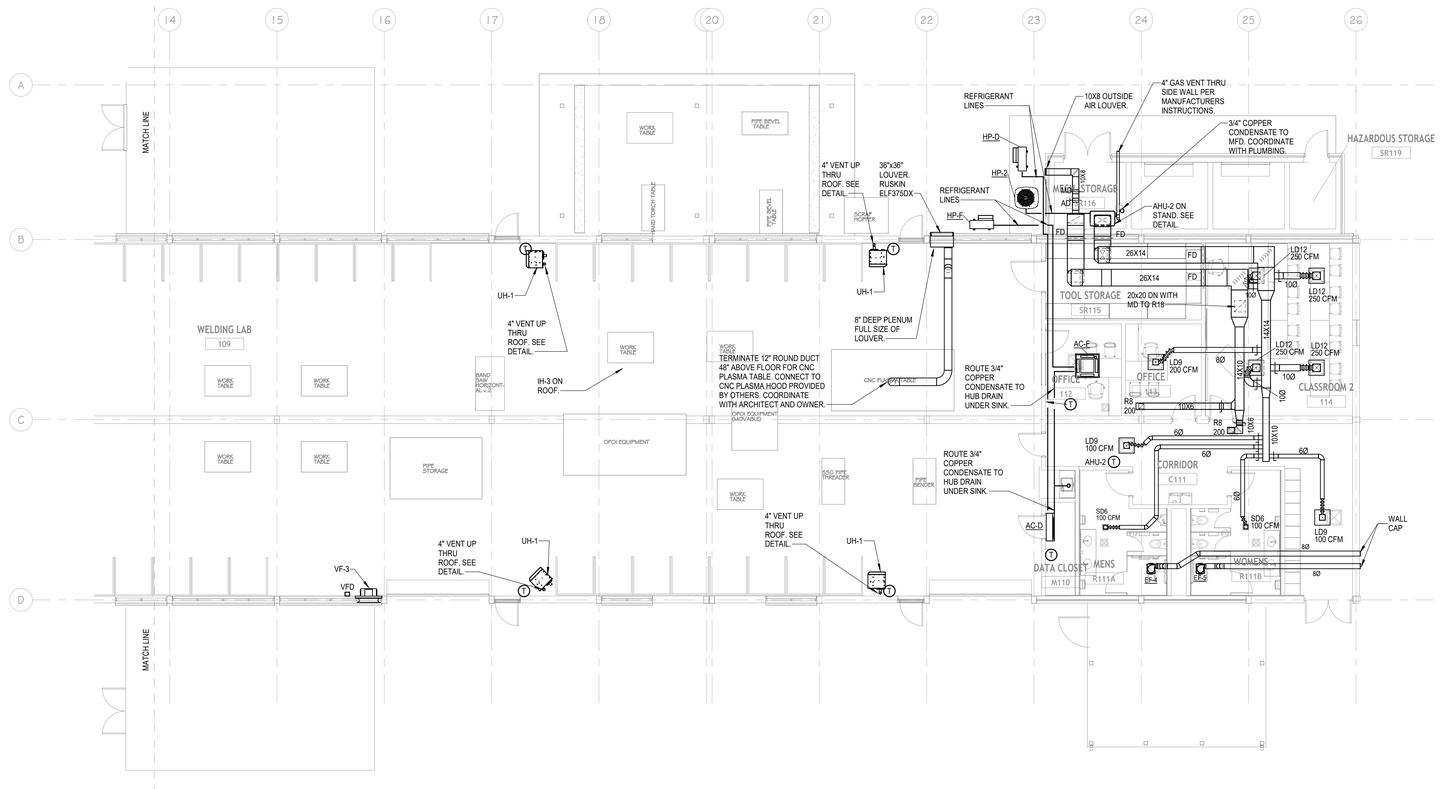
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6/2/2026 11:31:12 AM TEMPLATE VERSION: 2025.1

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Project # 225106



1 LEVEL 1 HVAC NEW PART A
SCALE: 1/8" = 1'-0"



2 LEVEL 1 HVAC NEW PART B
SCALE: 1/8" = 1'-0"

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ACCS 2025 161 LBWCC
GMC # AMGM260016

LICENSED PROFESSIONAL ENGINEER JAMES S. DAVIS, JR. No. 14178
06/02/26

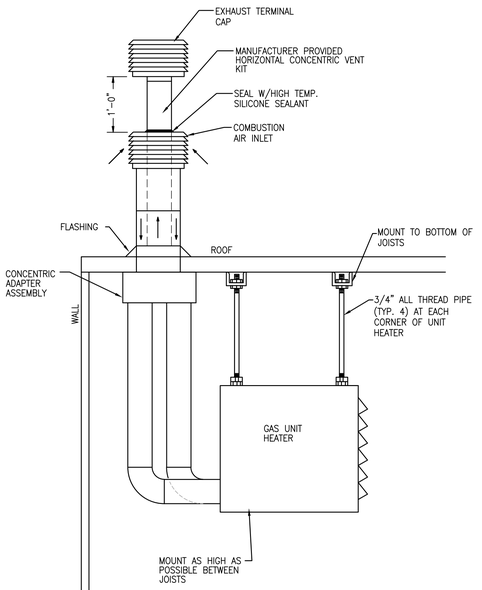
225106

LEVEL 1 - HVAC NEW PLAN

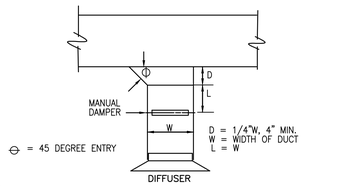
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6/2/2026 11:30:57 AM TEMPLATE VERSION: 2025.1

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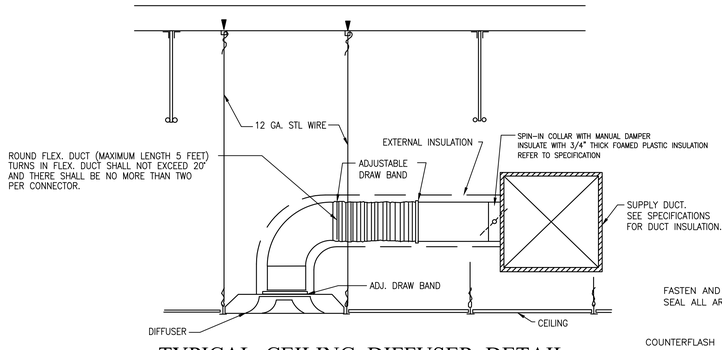


GAS FIRED UNIT HEATER DETAIL
NO SCALE

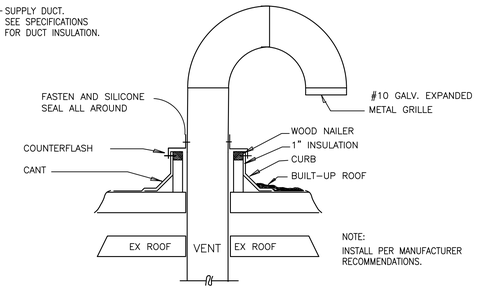


NOTE:
USE THIS DETAIL FOR ALL REGISTERS AND DIFFUSERS WITH RECTANGULAR DUCT CONNECTIONS AND SUFFICIENT SPACE FOR INSTALLATION OF THE 45 DEGREE TAP AND MANUAL DAMPER AS SHOWN. OTHERWISE SEE "DUCT CONN. AT SUPPLY REGISTER".

REGISTER, GRILLE, OR DIFFUSER DUCT CONNECTION
NO SCALE

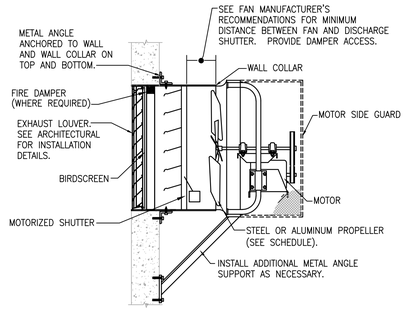


TYPICAL CEILING DIFFUSER DETAIL
NO SCALE

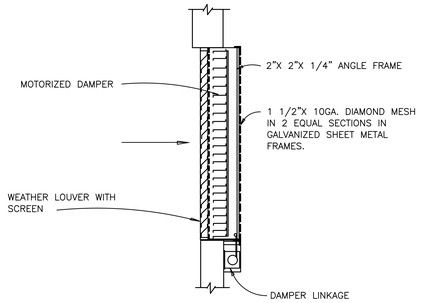


NOTE:
INSTALL PER MANUFACTURER RECOMMENDATIONS.

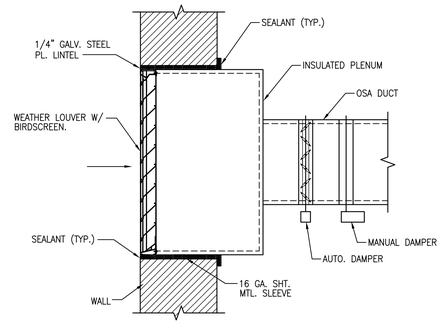
GOOSENECK VENT FOR FURNACE DETAIL
NO SCALE



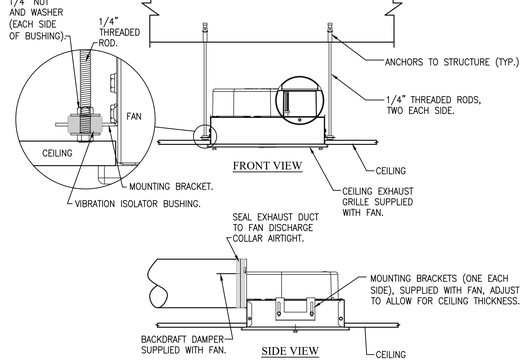
WALL PROPELLER FAN DETAIL
NO SCALE



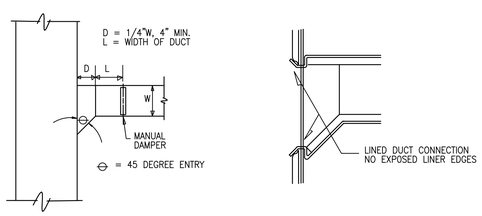
LOUVER & AUTOMATIC DAMPER DETAIL
NO SCALE



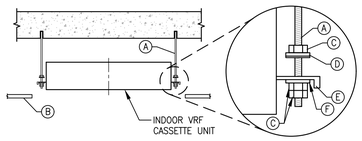
OSA INTAKE LOUVER DETAIL
NO SCALE



CEILING EXHAUST FAN DETAIL
NOT TO SCALE



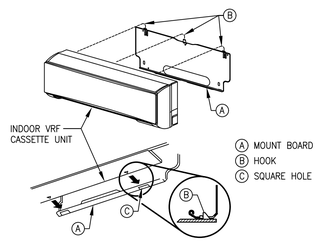
DUCT BRANCH CONNECTION
NOT TO SCALE



Ⓐ GALVANIZED THREADED ROD
Ⓑ CEILING
Ⓒ GALVANIZED NUT
Ⓓ WASHER WITH INSULATION
Ⓔ MOUNTING PLATE
Ⓕ WASHER WITHOUT INSULATION

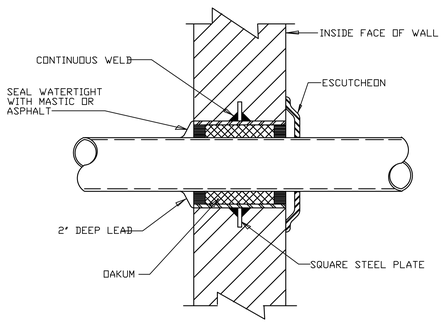
NOTE:
INSTALL INDOOR VRF CEILING CASSETTES IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND REQUIREMENTS. COORDINATE EXACT LOCATION AND ELEVATION WITH CEILING TYPE AND HEIGHT AS REQUIRED. CONTRACTOR SHALL UTILIZE CEILING INSTALLATION TEMPLATE FROM UNIT MANUFACTURER TO ENSURE PROPER UNIT ALIGNMENT AND PLACEMENT. SIZE THREADED ROD AS REQUIRED FOR UNIT WEIGHT. MANUFACTURER'S INSTALLATION GUIDELINES SUPERSEDE THIS DETAIL WHERE REQUIREMENTS EXCEED THOSE INDICATED.

VRF CEILING CASSETTE MOUNTING DETAIL
NOT TO SCALE

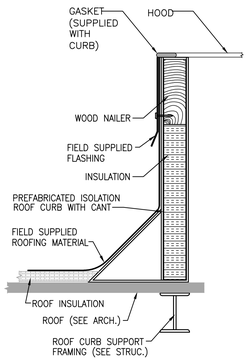


NOTE:
INSTALL INDOOR VRF WALL MOUNTED CEILING CASSETTES IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND REQUIREMENTS. COORDINATE EXACT LOCATION AND ELEVATION WITH WALL TYPE AND HEIGHT AS REQUIRED. CONTRACTOR SHALL VERIFY AND COORDINATE REFRIGERANT AND DRAIN PIPING ORIENTATION PRIOR TO UNIT ALIGNMENT AND PLACEMENT. MANUFACTURER'S INSTALLATION GUIDELINES SUPERSEDE THIS DETAIL WHERE REQUIREMENTS EXCEED THOSE INDICATED.

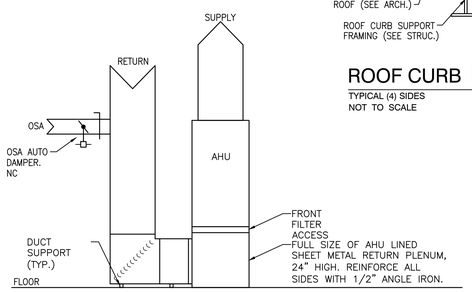
VRF WALL CASSETTE MOUNTING DETAIL
NOT TO SCALE



PIPE SLEEVE FOR OUTSIDE WALL ABOVE OR BELOW GRADE
NO SCALE



ROOF CURB DETAIL
TYPICAL (4) SIDES
NOT TO SCALE



VERTICAL AIR HANDLER UNIT DETAIL
NOT TO SCALE

GMC

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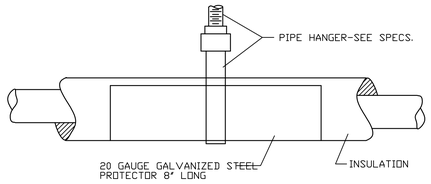
ACCS 2025 161 LBWCC
GMC # AMGM260016



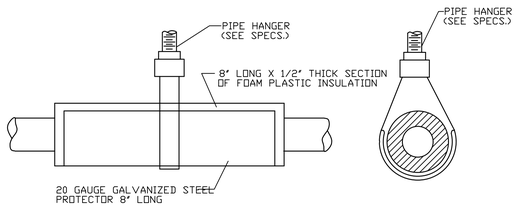
HVAC DETAILS

M3.01

3/19/2009 10:47:59 AM TEMPLATE VERSION: 1.0

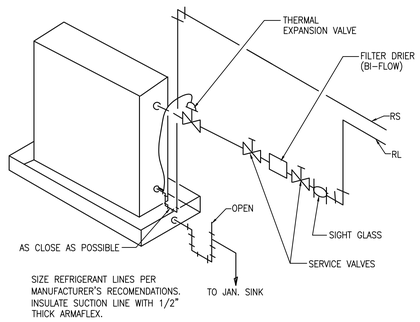


INSULATED LINES

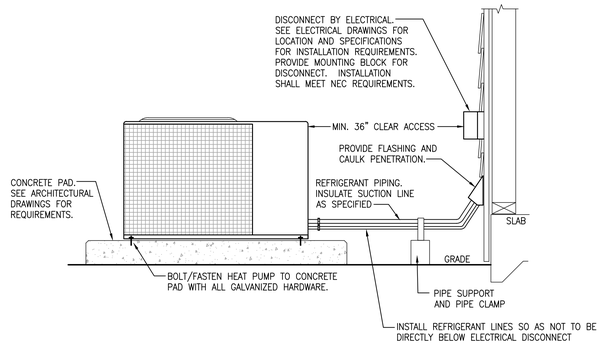


UNINSULATED LINES SECTION

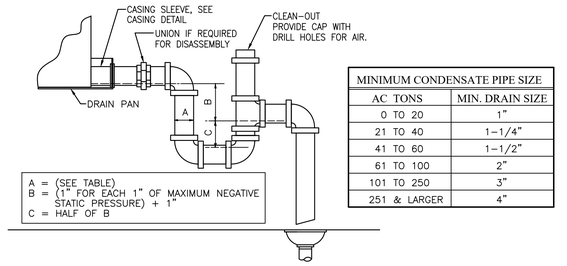
REFRIGERANT LINES HANGERS
NO SCALE



DX COIL PIPING DETAIL
NOT TO SCALE

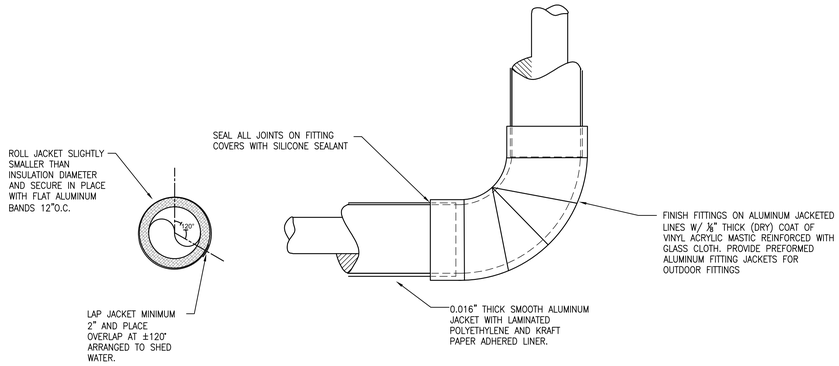


HEAT PUMP MOUNTING DETAIL
NOT TO SCALE

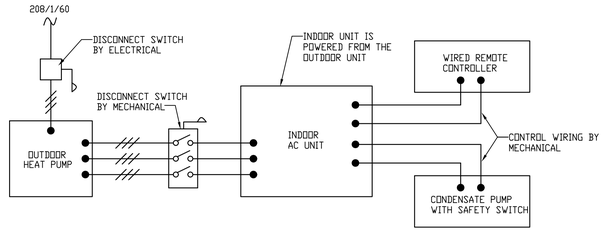


MINIMUM CONDENSATE PIPE SIZE	
AC TONS	MIN. DRAIN SIZE
0 TO 20	1"
21 TO 40	1-1/4"
41 TO 60	1-1/2"
61 TO 100	2"
101 TO 250	3"
251 & LARGER	4"

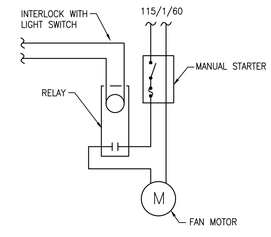
AHU UNIT DRAIN TRAP & PIPING DETAIL
NOT TO SCALE



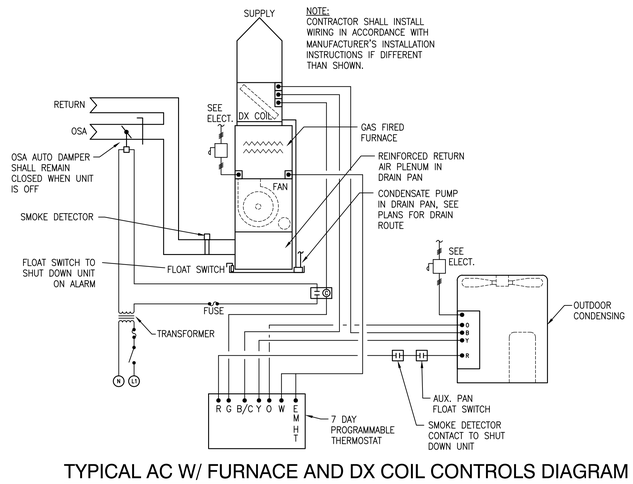
REFRIGERANT PIPING ALUMINUM JACKET DETAIL
NOT TO SCALE



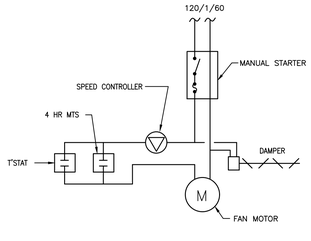
MINI SPLIT SYSTEM CONTROLS
NOT TO SCALE



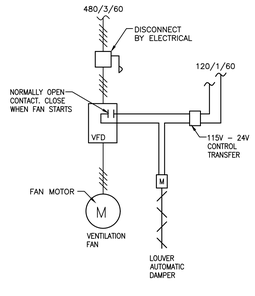
EF-(1 thru 5) EXHAUST FAN CONTROLS DIAGRAM



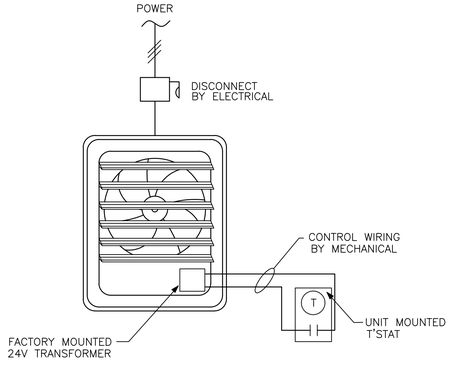
TYPICAL AC W/ FURNACE AND DX COIL CONTROLS DIAGRAM
NOT TO SCALE



EF-(6) EXHAUST FAN CONTROLS DIAGRAM
NOT TO SCALE



VF-1 / LV-1 INTAKE DAMPER CONTROL
NOT TO SCALE
TYPICAL FOR VF-2/LV-2 & VF-3/LV-3



ELECTRIC UNIT HEATER CONTROLS
NOT TO SCALE

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ALABAMA No. 14178 PROFESSIONAL ENGINEER JAMES S. DAVIS, JR.
06/02/2026
225106

HVAC DETAILS & CONTROLS

M3.02

3/19/2009 10:47:59 AM TEMPLATE VERSION: 1:0

GENERAL ELECTRICAL LEGEND

NORMAL EMERGENCY

FIXTURE OUTLET – SURFACE OR PENDANT MOUNTED 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 – POLE LIGHT FIXTURE – QUANTITY AND ORIENTATION(S) OF LUMINAIRES AS INDICATED ON PLANS.

OR 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.
NL NIGHT LIGHT – DO NOT SWITCH.

SWITCH OUTLET – S.P.S.T. – 20A – 120–277VAC.

SWITCH OUTLET – 3 WAY – 20A – 120–277VAC.

SWITCH OUTLET – 4 WAY – 20A – 120–277VAC.

SWITCH OUTLET – CONTROLS OUTLET "a", ETC.

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".

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".

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.

SWITCH OUTLET – OCCUPANCY SENSOR WITH MANUAL OVERRIDE – S.P.S.T. – 120–277VAC – P.I.R. SENSOR – WATTSTOPPER PW–100 OR EQUAL – RATED 800W AT 120VAC AND 1200W AT 277VAC – GREY WITH STAINLESS STEEL COVERPLATE.

SWITCH OUTLET – MANUAL MOTOR STARTER – TOGGLE TYPE – 2 POLE – SQUARE "D" TYPE K01 WITH ENCLOSURE AS REQUIRED BY APPLICATION – PROVIDE LOCK–OFF HARDWARE.

SWITCH OUTLET – MANUAL MOTOR STARTER – TOGGLE TYPE – 3 POLE – SQUARE "D" TYPE K02 WITH ENCLOSURE AS REQUIRED BY APPLICATION – PROVIDE LOCK–OFF HARDWARE.

LV PHOTOELECTRIC CONTROL – LOW VOLTAGE – COMPATIBLE WITH LIGHTING CONTROL PANEL – MOUNT UNDER SOFFIT OR ON ROOF FACING NORTH.

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) – WATTSTOPPER LMDC–100 (CENTER OF CEILING MOUNT) OR LMDX–100 (WALL OR CEILING CORNER MOUNT) – CONNECT TO ASSOCIATED ROOM CONTROLLER PER DIAGRAM "E–RC".

IR LIGHTING CONTROL SYSTEM – ON/OFF ROOM CONTROLLER(S) – LOW VOLTAGE – WATTSTOPPER LMRC–102 – 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".

IRD LIGHTING CONTROL SYSTEM – DIMMING ROOM CONTROLLER(S) – LOW VOLTAGE – WATTSTOPPER LMRC–212 – 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".

RN LIGHTING CONTROL SYSTEM – NETWORKED ON/OFF ROOM CONTROLLER(S) – LOW VOLTAGE – WATTSTOPPER LMRC–102 – MOUNT AS DIRECTED BY SUPPLIER ABOVE ACCESSIBLE CEILING – PROVIDE ALL INTERCONNECTIONS (LOW VOLTAGE AND LINE VOLTAGE) TO SENSORS, CONTROL SWITCHES, LIGHT FIXTURES, ETC. TO NETWORK TO CENTRAL LIGHTING CONTROL SYSTEM AS DIRECTED BY SUPPLIER – SEE DETAIL "E–RC".

DUPLEX	DOUBLE DUPLEX	
		WALL OUTLET – RECEPTACLE – 20A – 125V – 2P – 3W – GROUNDING – NEMA 5–20R – SINGLE PLATE – ENGRAVE NAMEPLATE PER DETAIL "E–RI".
		WALL OUTLET – RECEPTACLE – 20A – 125V – 2P – 3W – GROUNDING – "GFI" TYPE – WEATHER RESISTANT – NEMA 5–20R – SINGLE PLATE – ENGRAVE NAMEPLATE PER DETAIL "E–RI".
		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 – ENGRAVE NAMEPLATE PER DETAIL "E–RI".

WALL OUTLET – SINGLE RECEPTACLE – GROUNDING – MELTRIC DSN SERIES SWITCH RATED PLUG AND RECEPTACLE – FURNISH WITH METAL 30 DEGREE ANGLE ACCESSORY (WHERE WALL MOUNTED ONLY) AND ALL MISCELLANEOUS ACCESSORIES AS NECESSARY FOR A COMPLETE INSTALLATION – ELECTRICAL RATINGS AS REQUIRED BY APPLICATION (TO MATCH CIRCUIT RATINGS) – PROVIDE "SOOW" CORD & PLUG ON EQUIPMENT TO MATCH RECEPTACLE.

WALL OUTLET – SINGLE RECEPTACLE – 15A – 125V – 2P – 3W – GROUNDING – CLOCK OUTLET – HUBBELL HBL5235.

CONTROL STATION – AS DIRECTED BY ASSOCIATED EQUIPMENT SUPPLIER – INSTALLED BY ELECTRICAL CONTRACTOR – FURNISH WIRING AS REQUIRED IN CONDUIT SIZED AS REQUIRED TO CONTROLLED DEVICE – VERIFY REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH–IN.

SHUNT–TRIP OPERATOR – EMERGENCY STOP PUSH BUTTON – 60mm DIAMETER, RED, MUSHROOM–STYLE, MAINTAINED–CONTACT (TRIGGER ACTION, TURN–TO–RELEASE) EMERGENCY STOP PUSH BUTTON AND 90mm DIAMETER, YELLOW CIRCULAR BACKGROUND WITH LETTERING TO READ "EMERGENCY STOP" – PROVIDE WITH CLEAR PROTECTIVE COVER – PUSH "IN" TO SHUNT TRIP ASSOCIATED BREAKERS – PROVIDE CONTACTS AS REQUIRED FOR SHUTDOWN – SQUARE "D" OR EQUAL – LABEL WITH RED ENGRAVED NAMEPLATE WITH WHITE LETTERING TO IDENTIFY FUNCTION.

*V*D COMMUNICATIONS OUTLET – SEE DETAIL "E–CO" – *V*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 WITH 1"C TO ABOVE NEAREST ACCESSIBLE CEILING 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.

TELEPHONE BACKBOARD – 8' H x 3/4" THICK x LENGTH AS SHOWN ON PLANS – SEE DETAIL "E–MSG" – 12" W x 1/4" THICK GROUND BUS WITH ISOLATED MOUNTING BOLTS – FINISH WITH TWO (2) COATS FIRE–RETARDANT ENAMEL PAINT – PAINT COLOR TO MATCH SURROUNDING WALLS.

*V*D COMMUNICATIONS CABLING – *V*D REPRESENTS REQUIRED COMMUNICATIONS CABLING (SEE LEGEND AT DETAIL "E–CO") – PROVIDE CONDUIT SIZED PER NEC IN INACCESSIBLE SPACES.

*V*D COMMUNICATIONS CABLING – HOMERUN TO NEAREST COMMUNICATIONS BACKBOARD, RACK OR CABINET AS APPLICABLE – *V*D REPRESENTS REQUIRED COMMUNICATIONS CABLING (SEE LEGEND AT DETAIL "E–CO") – PROVIDE CONDUIT SIZED PER NEC IN INACCESSIBLE SPACES.

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. ALL OUTLETS MOUNTED ABOVE COUNTER SHALL BE INSTALLED IN A HORIZONTAL ORIENTATION.

C OUTLET MOUNTED FLUSH WITHIN CEILING – VERIFY EXACT LOCATIONS PRIOR TO ROUGH–IN.

CP OUTLET MOUNTED TO CORD PENDANT – APPLETON FS/FD CAST BOX (AT STRUCTURE ABOVE AND AT OUTLET BOX) WITH APPLETON #CG STRAIN RELIEF CORD CONNECTOR AT EACH END OF HEAVY–DUTY "SOOW" CORD PENDANT – MOUNT RECEPTACLE AT 30" A.F.F. AND PROVIDE WITH 24" SERVICE LOOP AT RECEPTACLE END.

CPR OUTLET MOUNTED TO INDUSTRIAL CORD REEL – FOR 20A–120V OR 20A–208V–1PH CIRCUITS PROVIDE HUBBELL HBLW45123W INDUSTRIAL CORD REEL (AT STRUCTURE ABOVE) WITH 12/3 SOW PENDANT CABLE (45' MINIMIMUM) TO OUTLET BOX (AT END OF CABLE) WITH RECEPTACLE TYPE (GFCI, ETC.) AS INDICATED ON PLANS. FOR 20A–208V–3PH AND 2–CIRCUIT 20A–120V (WITH A SHARED NEUTRAL) CIRCUITS PROVIDE HUBBELL HBLW40124W INDUSTRIAL CORD REEL (AT STRUCTURE ABOVE) WITH 12/4 SOW PENDANT CABLE (40' MINIMIMUM) 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.

VL VERIFY EXACT OUTLET LOCATION WITH OWNER PRIOR TO ROUGH–IN.

W WEATHER PROOF – OUTLET SHALL BE INSTALLED WITH WEATHERPROOF, 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):

DF DRINKING FOUNTAIN OUTLET – EXACT MOUNTING HEIGHT AS DIRECTED BY EQUIPMENT SUPPLIER.

DW BELOW COUNTER DISHWASHER OUTLET – VERIFY EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER.

IM ICE MAKER OUTLET – VERIFY EXACT LOCATION WITH ARCHITECTURAL ELEVATION PRIOR TO ROUGH–IN.

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.

FLOOR OR SURFACE–MOUNTED OUTLET – JUNCTION BOX – CAST METAL – CROUSE HINDS TYPE FS/FD BOX.

WALL OUTLET – JUNCTION BOX – FLUSH MOUNTED.

CEILING OUTLET – JUNCTION BOX.

BRANCH/FEEDER CIRCUIT – CONCEALED IN WALLS OR CEILING.

BRANCH/FEEDER CIRCUIT – EXPOSED ON 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.

–UGS– UNDERGROUND SECONDARY POWER SERVICE – SEE ASSOCIATED SINGLE LINE DIAGRAM – VERIFY EXACT SERVICE TRANSFORMER LOCATION(S) WITH UTILITY CO. PRIOR TO BID AND INCLUDE ALL COSTS IN BID.

FLEXIBLE CONNECTION TO EQUIPMENT.

BRANCH CIRCUIT – RISER DOWN OR GENERAL CONDUIT STUB–OUT.

POWER DISTRIBUTION EQUIPMENT.

LIGHTING PANEL – SURFACE MOUNTED.

T TRANSFORMER – POWER.

MOTOR STARTER.

VFD VARIABLE FREQUENCY DRIVE.

DISCONNECT SWITCH – NONFUSED.

DISCONNECT SWITCH – FUSED.

CIRCUIT BREAKER.

GROUND CONNECTION.

M MOTOR OUTLET – SIZE AS SHOWN.

OH OVERHEAD DOOR OPERATOR – INCLUDE ALL CONNECTIONS IN CONDUIT FOR POWER AND CONTROL (PHOTOEYES, CONTROL STATIONS, IN–GROUND LOOP DETECTORS, SENSORS, ETC.) AS DIRECTED BY SUPPLIER – PROVIDE WITH DISCONNECT SWITCH MOUNTED IN LOCATION AS DIRECTED BY OWNER – VERIFY EXACT REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH–IN.

FAAP FIRE ALARM – ANNUNCIATOR PANEL – FLUSH MOUNTED UNLESS INDICATED OTHERWISE – VERIFY EXACT LOCATION WITH LOCAL FIRE MARSHAL PRIOR TO ROUGH–IN.

FACP FIRE ALARM – CONTROL PANEL.

FIRE ALARM – PULL STATION.

SM FIRE ALARM – SMOKE DETECTOR.

H FIRE ALARM – HEAT DETECTOR.

CO FIRE ALARM – COMBINATION SMOKE/CARBON MONOXIDE DETECTOR WITH SOUNDER BASE FOR LOCAL ALARM – CONNECT TO FIRE ALARM SYSTEM AS A SUPERVISED DEVICE.

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.

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.

BDA FIRE ALARM – ADDRESSABLE CONTROL RELAY(S) – FOR MONITORING OF EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM – PROVIDE INTERLOCK WIRING TO EMERGENCY RESPONDER RADIO COVERAGE SYSTEM AS REQUIRED IN 3/4"C – SEE EMERGENCY RESPONDER RADIO COVERAGE SYSTEM RISER DIAGRAM.

OR FIRE ALARM – COMBINATION HORN AND VISUAL INDICATOR – CEILING OR WALL MOUNTED AS INDICATED.

OR FIRE ALARM – VISUAL INDICATOR ONLY – CEILING OR WALL MOUNTED AS INDICATED.

W OR W FIRE ALARM – COMBINATION HORN AND VISUAL INDICATOR – WEATHER–PROOF – CEILING OR WALL MOUNTED AS INDICATED – CANDELA RATING AS DIRECTED BY LOCAL FIRE MARSHAL.

F BRANCH CIRCUIT – FIRE ALARM – CABLING AS REQUIRED IN N.E.C.–SIZED CONDUIT.

BDA EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM – BI–DIRECTIONAL AMPLIFIER – REFER TO EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM RISER DIAGRAM AND SPECIFICATIONS.

DAP EMERGENCY RESPONDER SYSTEM – DEDICATED ANNUNCIATOR PANEL – FLUSH MOUNTED.

E EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM – BRANCH CIRCUIT/ANTENNAS.

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.

EX–R EXISTING TO BE REMOVED – REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, DEVICES, CONDUIT AND WIRING CONNECTIONS TO OTHER ELECTRICAL ITEMS UNLESS SHOWN OTHERWISE.

EX–RL 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.

EX–RP 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

- 2 1/2" – CONDUIT SIZE.
- #3G – GROUND CONDUCTOR WIRE GAUGE.
- 4 – QUANTITY OF GROUND CONDUCTORS (PER SET)
- #3/0 – PHASE/NEUTRAL CONDUCTOR WIRE GAUGE.
- 4 – QUANTITY OF PHASE/NEUTRAL CONDUCTORS (PER SET).
- 2 SETS – QUANTITY OF PARALLEL SETS OF THE PHASE/NEUTRAL CONDUCTORS, GROUND CONDUCTOR AND CONDUIT SPECIFIED.

GENERAL ELECTRICAL NOTES

1. CONTRACTOR SHALL VERIFY ALL REQUIREMENTS FOR POWER SERVICE WITH UTILITY COMPANY PRIOR TO SUBMITTING BID. IF THEIR REQUIREMENTS ARE AT A VARIANCE WITH THOSE SHOWN ON PLANS THE CONTRACTOR SHALL INFORM ARCHITECT IMMEDIATELY. ALL COSTS INCURRED WITH THE UTILITY COMPANY FOR SERVICE SHALL BE INCLUDED IN BID PRICE. IF SUCH COSTS ARE NOT AVAILABLE AT BID TIME CONTRACTOR SHALL INCLUDE WITH BID A LETTER FROM A RESPONSIBLE PARTY WITH THE UTILITY COMPANY STATING SUCH, AND COSTS WILL THEN BE EXCLUDED FROM THE BID PRICE.
2. ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH NEC.
3. 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.
4. 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.
5. THIS SCOPE OF THIS PROJECT INCLUDES THE INSTALLATION OF AN EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM. AS PART OF THE BASE BID THE CONTRACTOR SHALL SURVEY THE NEW BUILDING(S) DURING CONSTRUCTION AS DIRECTED BY THE SYSTEM SUPPLIER TO DETERMINE THE EXACT AREAS OF THE NEW BUILDING(S) THAT REQUIRE AN EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM (IF ANY). IF IT IS DETERMINED THAT AN EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM IS REQUIRED, THEN IT WILL BE INSTALLED IN ACCORDANCE WITH SECTION 287800 OF THE SPECIFICATIONS. THE COST OF THE EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM SHALL BE INCLUDED AS PART OF A PROJECT ALLOWANCE. REFER TO THE SPECIFICATIONS FOR ALL PROJECT ALLOWANCES. REFER TO THE "EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM RISER DIAGRAM" FOR ADDITIONAL INFORMATION.
6. ALL OUTLETS INSTALLED IN CORRUGATED METAL WALL PANELS SHALL BE PROVIDED WITH A TRIM AROUND THE FACEPLATE. REFER TO ARCHITECTURAL PLANS FOR WALL LOCATIONS WITH CORRUGATED METAL WALL PANELS AND ARCHITECTURAL DETAILS FOR ADDITIONAL INFORMATION ON REQUIRED TRIM.

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

ISSUE DATE
BID SET 06/02/2026

DRAWN BY: JRA
CHECKED BY: RCR

LBW CC - MIB WORKFORCE RENOVATIONS
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467
ACCS 2025 161 LBWCC
GMC # AMGM260016

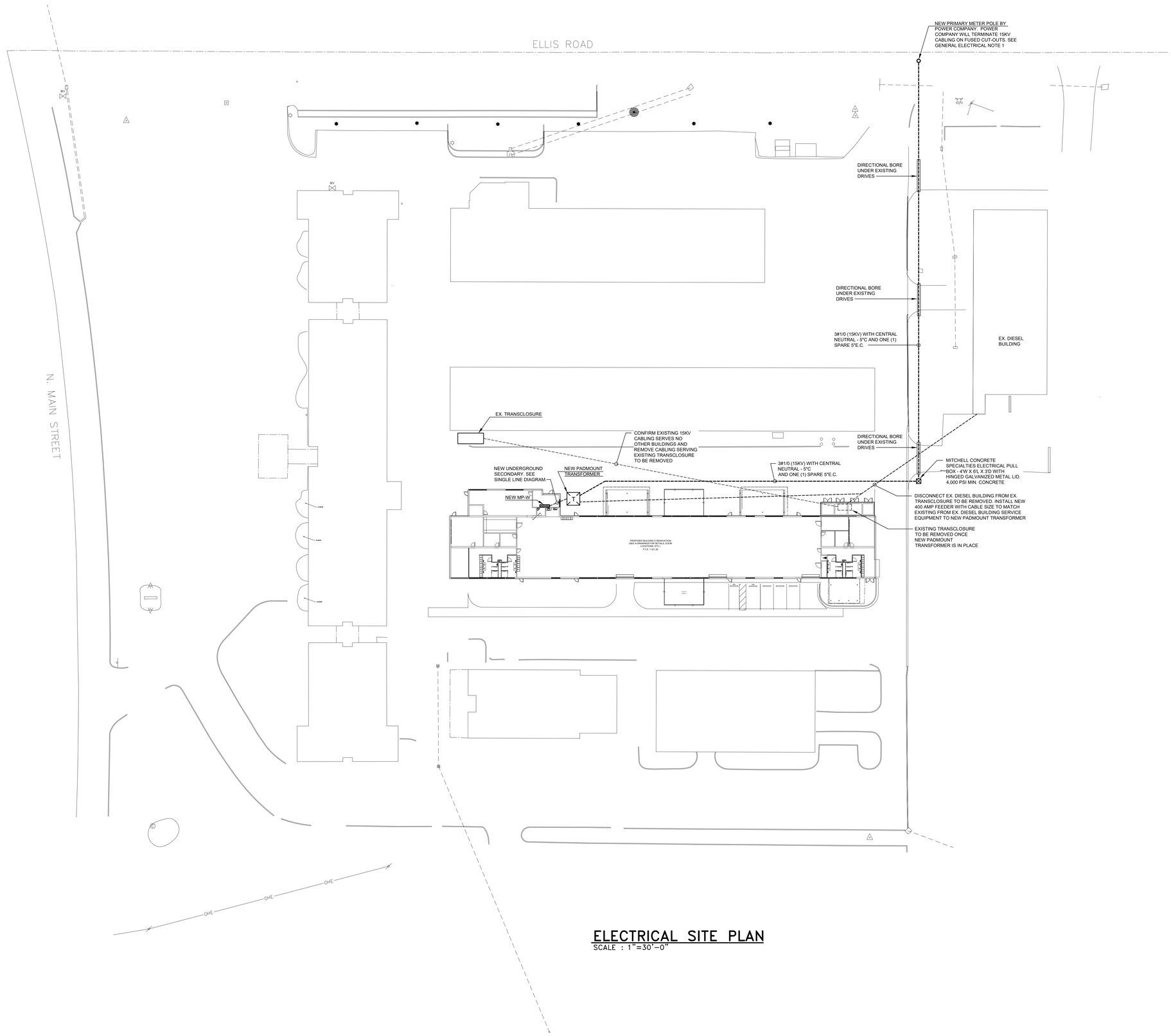
ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24463
06/02/2026

ELECTRICAL LEGEND & NOTES

E0.01

JACKSON. RENFRO & ASSOCIATES, INC.
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JRA JOB NO. 225270

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ELECTRICAL SITE PLAN
SCALE : 1"=30'-0"

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ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24469
06/02/2026

ELECTRICAL SITE PLAN

E1.01

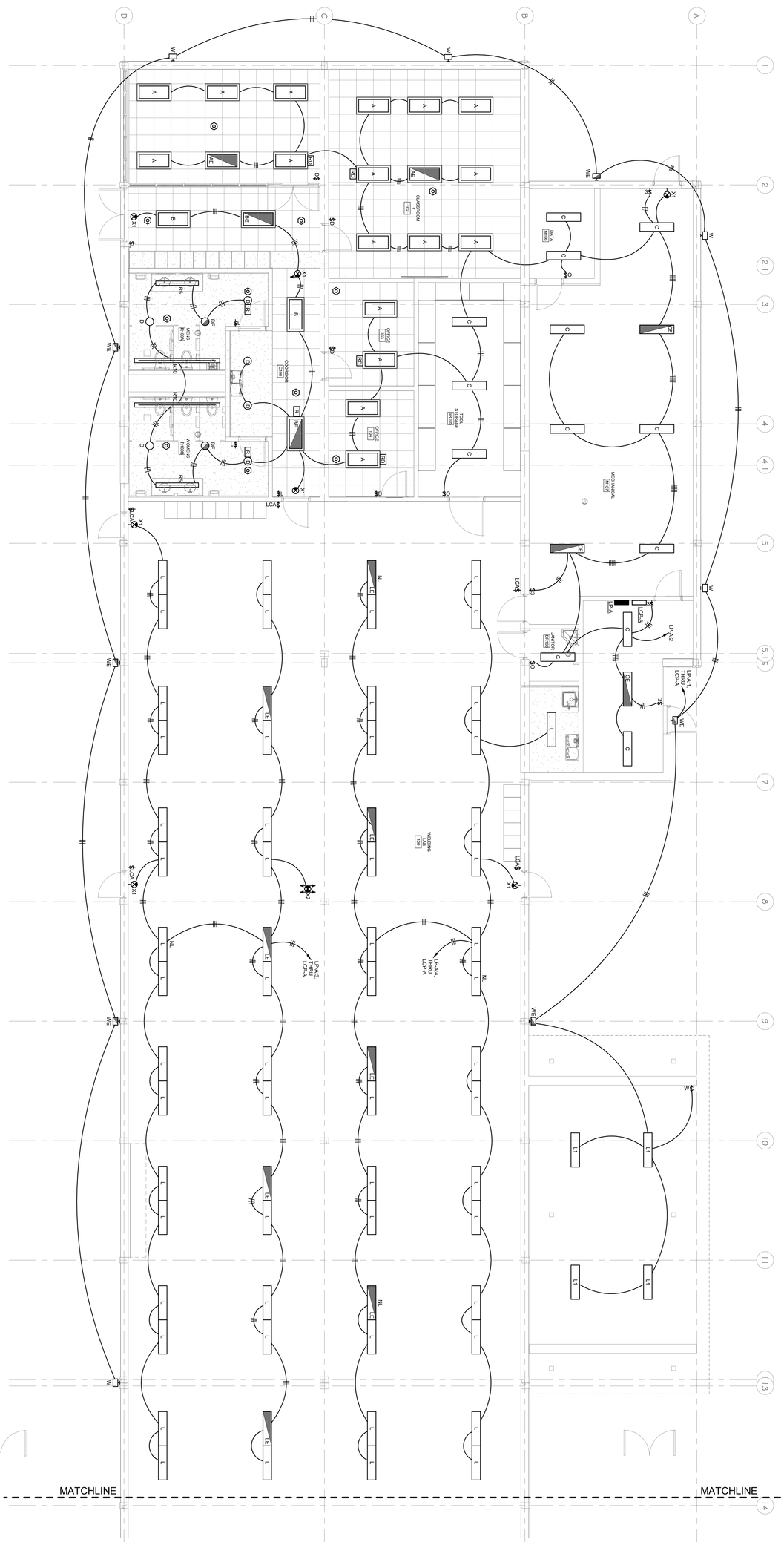
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1 E1.11 LIGHTING PLAN - PART A

SCALE: 3/16" = 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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PA FOR NO: 22370
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LIGHTING PLAN - PART A

E1.11

LBW CC - MIB WORKFORCE RENOVATIONS

ALABAMA COMMUNITY COLLEGE SYSTEM,
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ACCS 2025 161 LBWCC
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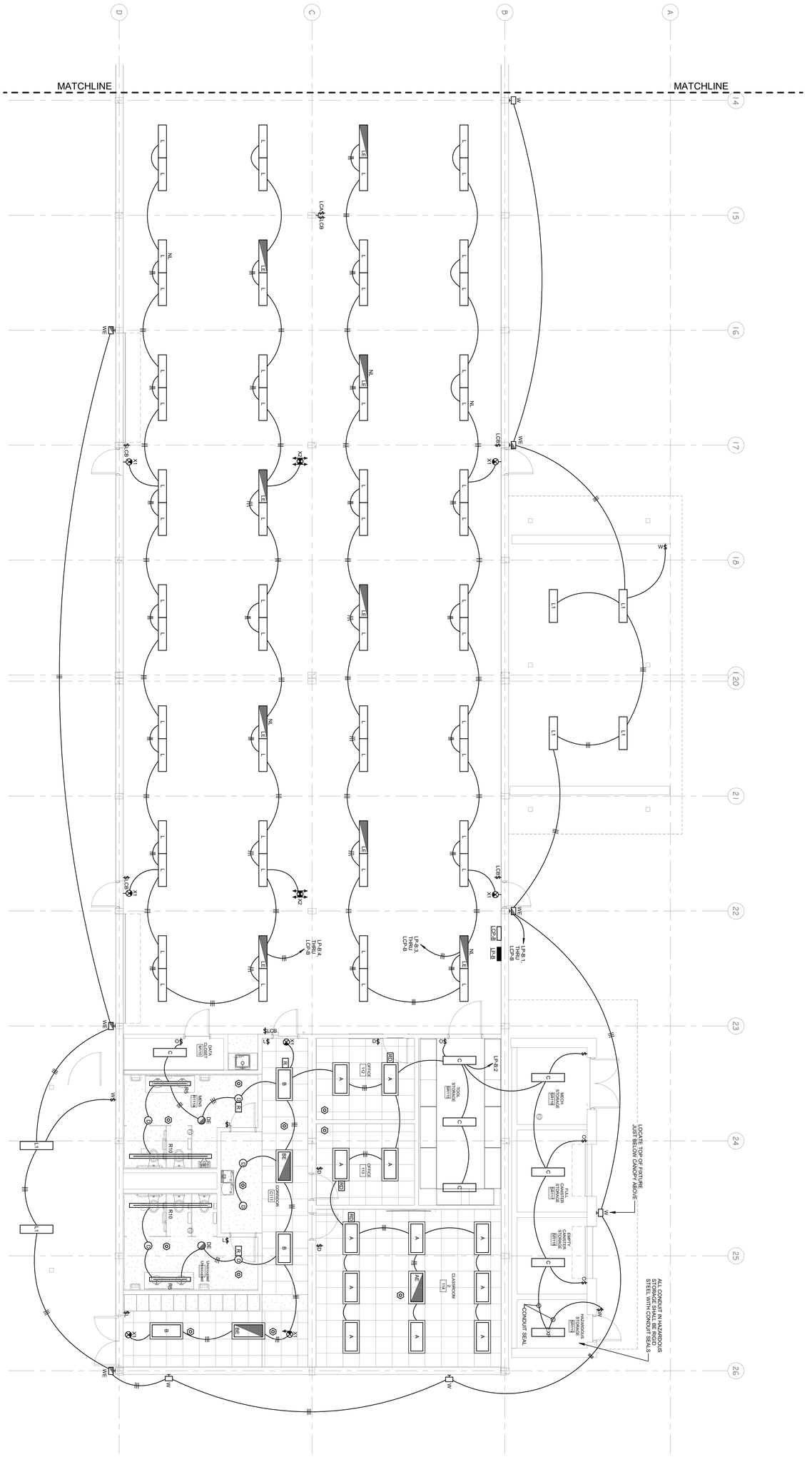
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1 / E1.12 LIGHTING PLAN - PART B

SCALE: 3/16" = 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 - PART B

E1.12

LBW CC - MIB WORKFORCE RENOVATIONS

ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025 161 LBWCC
GMC # AMGM260016

ISSUE	DATE
BID SET	06/02/2026

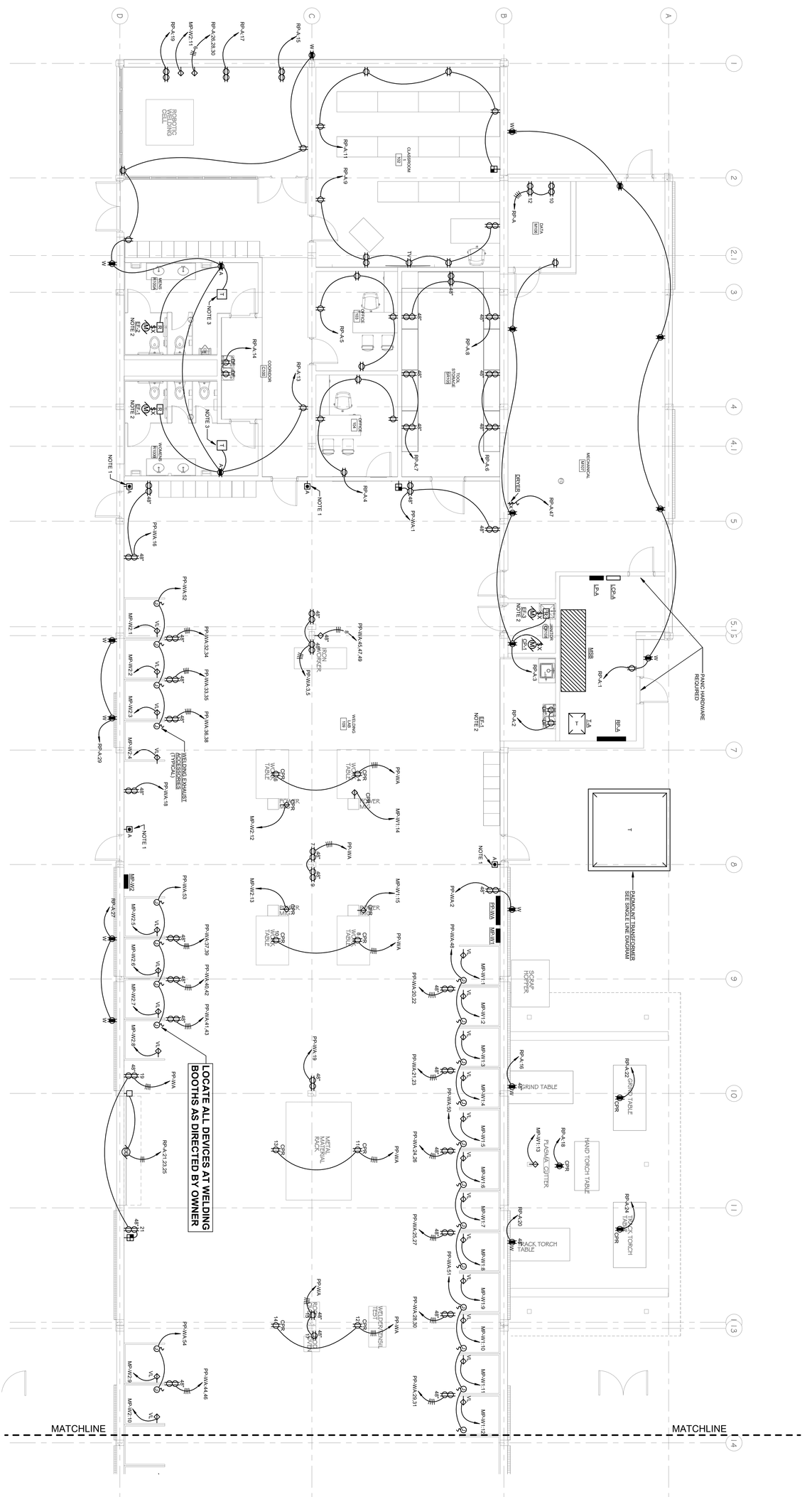
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1 POWER PLAN - PART A

E1.21 SCALE: 3/16" = 1'-0"



NOTES THIS SHEET ONLY

1. PROVIDE WIRING (IN CONDUIT) AS REQUIRED TO ALL OTHER SHUNT-TRIP OPERATORS WITHIN SHOP AREA TO SHUNT-TRIP MAIN BREAKER IN PANEBOARDS PP-WA. MP-W1 AND MP-W2. CONNECT SHUNT-TRIP OPERATORS SUCH THAT ACTIVATION OF ANY OPERATOR SHUNTS FEEDER BREAKER.
2. CONNECT TO CONTROL WITH RESTROOM LIGHTS.
3. CONNECT TO AUTOMATIC LAVATORIES, URINALS AND TOILETS TO LOW-VOLTAGE TRANSFORMER AS REQUIRED.

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ARCHITECTS ■ ENGINEERS ■ PLANNERS
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POWER PLAN - PART A

E1.21

ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24403 06/02/2026

LBW CC - MIB WORKFORCE RENOVATIONS

ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025 161 LBWCC
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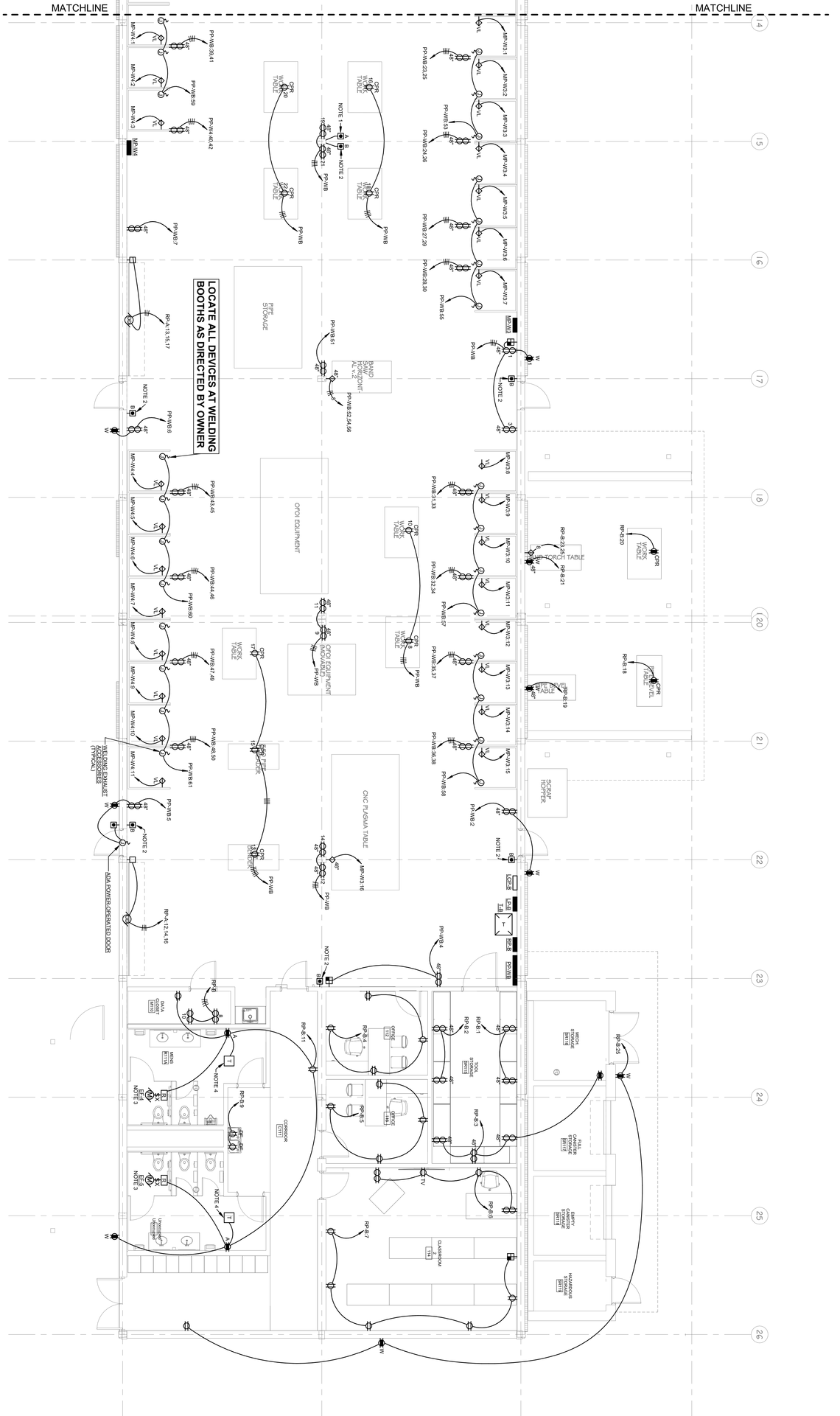
ISSUE	DATE
BID SET	06/02/2026

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GMC

1 E1.22 POWER PLAN - PART B
SCALE: 3/16" = 1'-0"



NOTES THIS SHEET ONLY

1. PROVIDE WIRING (IN CONDUIT) AS REQUIRED TO ALL OTHER SHUNT-TRIP OPERATORS WITHIN SHOP AREA TO SHUNT-TRIP MAIN BREAKER IN PANEL BOARDS PP-WA, MP-W1, AND MP-W2. CONNECT SHUNT-TRIP OPERATORS SUCH THAT ACTIVATION OF ANY OPERATOR SHUNTS FEEDER BREAKER.
2. PROVIDE WIRING (IN CONDUIT) AS REQUIRED TO ALL OTHER SHUNT-TRIP OPERATORS WITHIN SHOP AREA TO SHUNT-TRIP MAIN BREAKER IN PANEL BOARDS PP-WB, MP-W3, AND MP-W4. CONNECT SHUNT-TRIP OPERATORS SUCH THAT ACTIVATION OF ANY OPERATOR SHUNTS FEEDER BREAKER.
3. CONNECT TO CONTROL WITH RESTROOM LIGHTS.
4. CONNECT AUTOMATIC LAVATORIES, URINALS, AND TOILETS TO LOW-VOLTAGE TRANSFORMER AS REQUIRED.

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JRA JOB NO. 232170
ALABAMA ● TENNESSEE ● FLORIDA
10 INVERNESS CENTER PKWY ● SUITE 300 ● BIRMINGHAM, AL ● 35242

POWER PLAN - PART B

E1.22

LBW CC - MIB WORKFORCE RENOVATIONS

ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

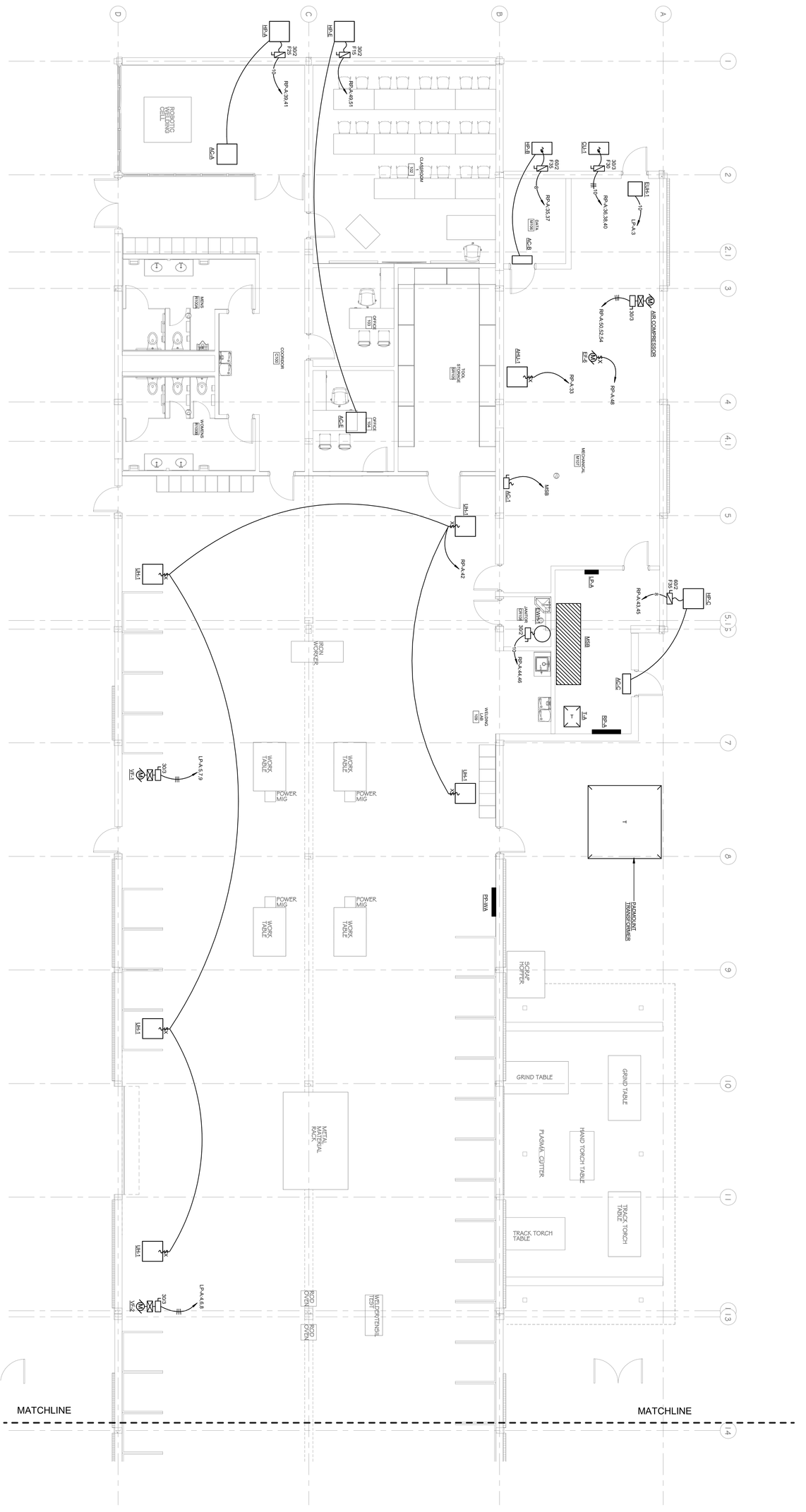
ACCS 2025 161 LBWCC
GMC # AMGM260016

ISSUE	DATE
BID SET	06/02/2026

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Goodwyn Mills Cawood, LLC
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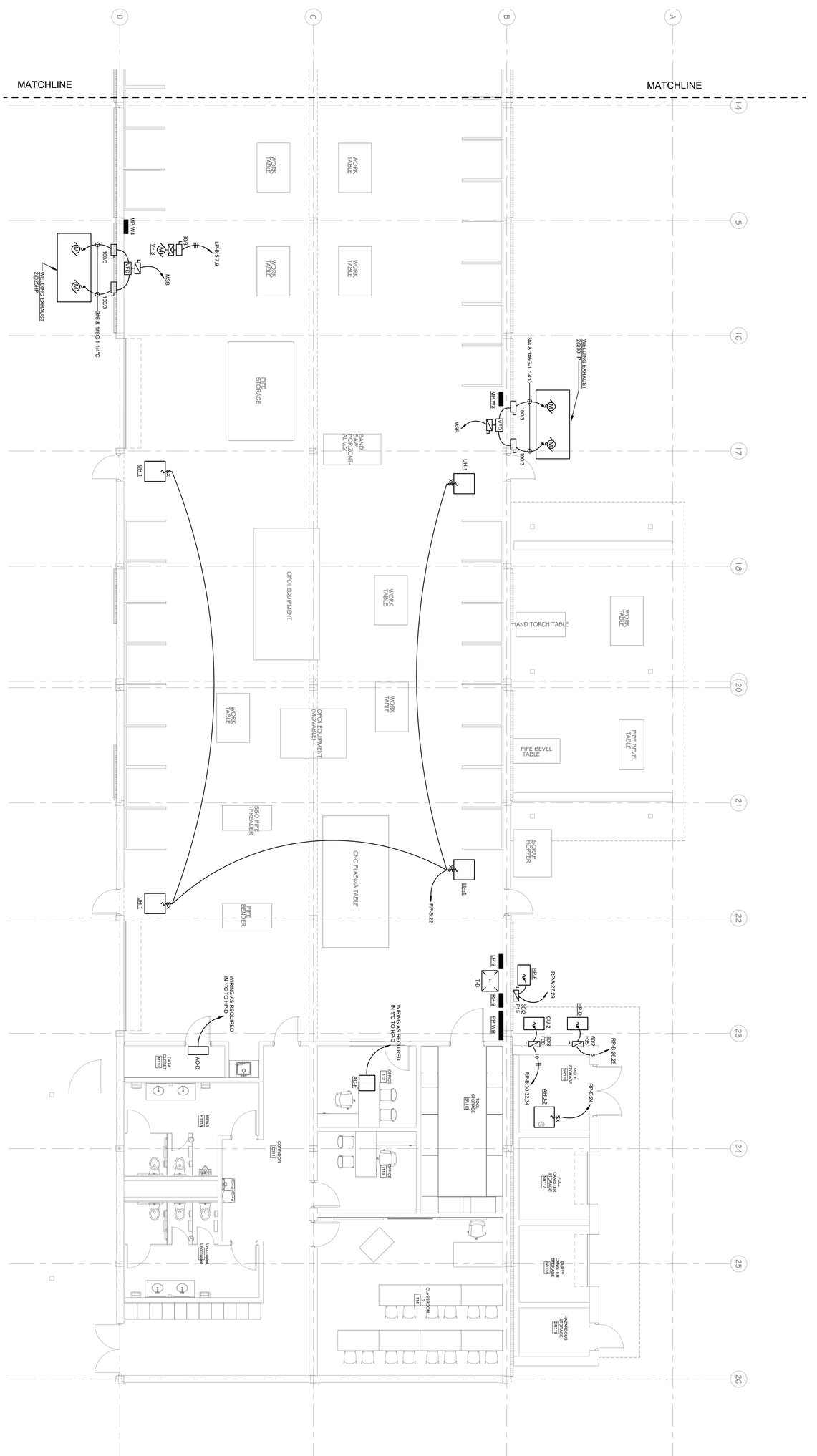
GMC


ROBOTIC WELDING CELL
HPE-A
HPE-E
HPE-B
HPE-C
HPE-D
HPE-F
ACC-A
ACC-B
ACC-C
ACC-D
ACC-E
ACC-F
ACC-1
CLASSROOM 130
DATA 131/130
CORRIDOR C1/001
MEN'S R1/008
WOMEN'S R1/009
STORAGE S1/129
OFFICE F1/131
MECHANICAL 1/127
JANITOR C1/128
WELDING LAB 1/90
IRON WORKER
WORK TABLE
POWER MIG
MRH-1
MRH-2
MRH-3
MRH-4
MRH-5
MRH-6
MSB
SDP-1
SDP-2
SDP-3
SDP-4
SDP-5
SDP-6
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SDP-37
SDP-38
SDP-39
SDP-40

1 E1.24

ELECTRICAL HVAC PLAN - PART B

SCALE: 3/16" = 1'-0"



JACKSON, RENFRO & ASSOCIATES, INC.
ROBERT RENFRO, PE
TEL (O) 205.536.7114
(C) 205.612.0612
JRA FOR NO: 23270
2 INTERSTATE CENTER PKWY ● SUITE 204 ● BIRMINGHAM, AL ● 35242

ELECTRICAL HVAC PLAN - PART B

E1.24

ALABAMA LICENSED PROFESSIONAL No. 24463 ROBERT C. RENFRO 06/02/2026

LBW CC - MIB WORKFORCE RENOVATIONS

ALABAMA COMMUNITY COLLEGE SYSTEM, LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

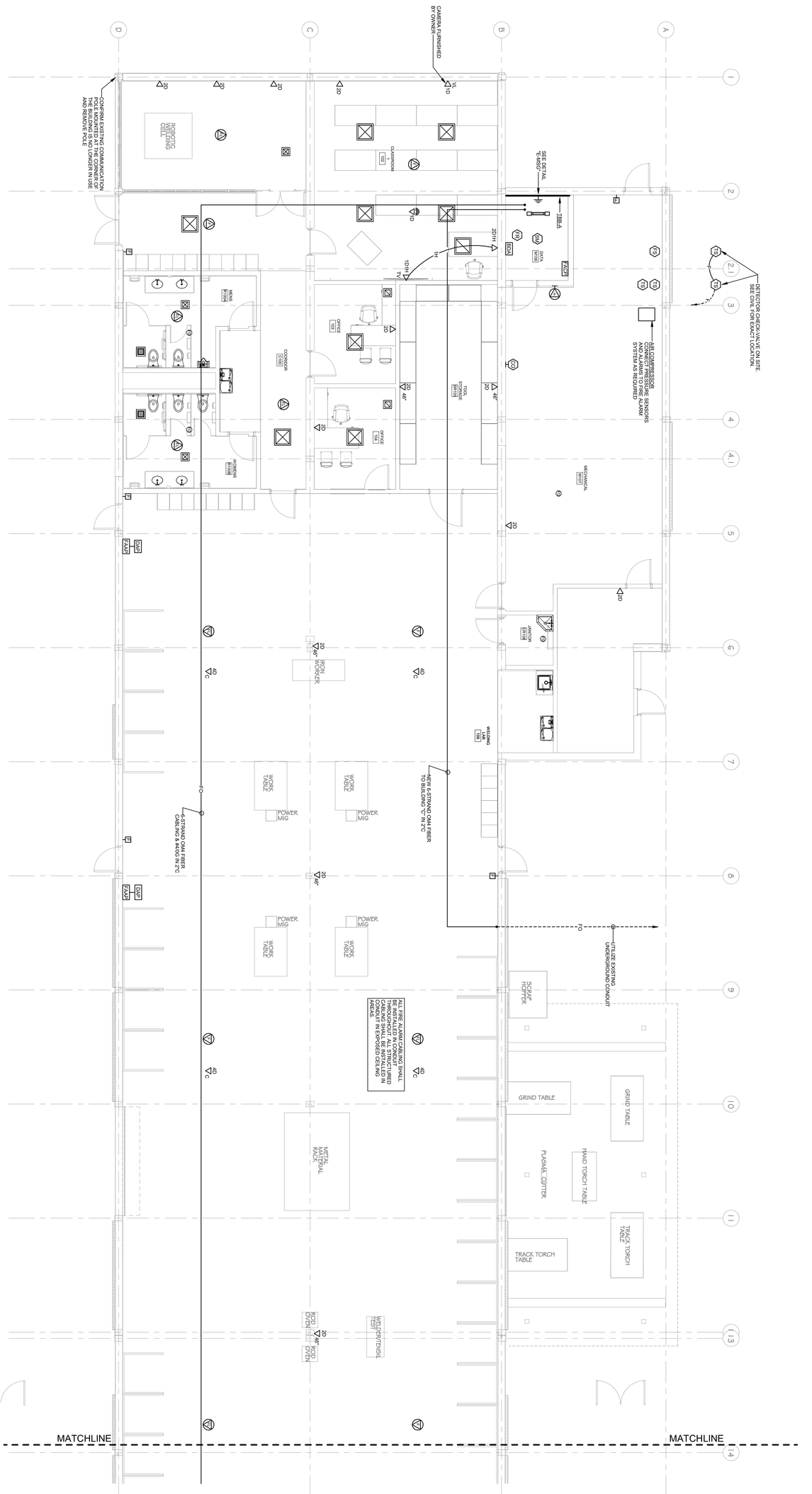
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1 E1.31 AUXILIARY PLAN - PART A

SCALE: 3/16" = 1'-0"

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(F) 205.536.7116
JRA JOB NO. 23270
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AUXILIARY PLAN - PART A

E1.31

LBW CC - MIB WORKFORCE RENOVATIONS

ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

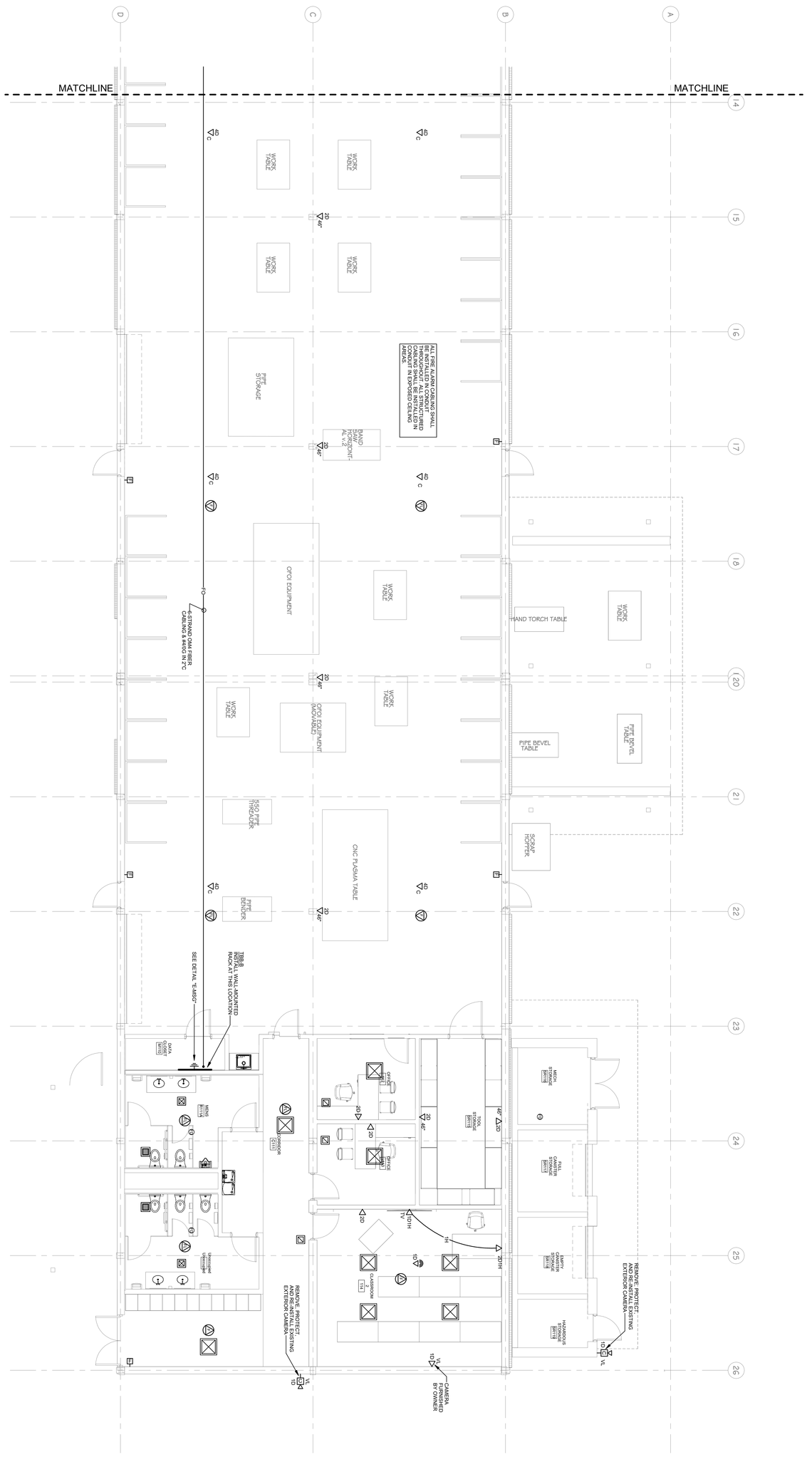
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E1.32 1 AUXILIARY PLAN - PART B
SCALE: 3/16" = 1'-0"

JACKSON, RENFRO & ASSOCIATES, INC.
ROBERT BENFRO, PE
(0) 205.538.7114
JRA JOB NO 22270

AUXILIARY PLAN - PART B

E1.32

LBW CC - MIB WORKFORCE RENOVATIONS

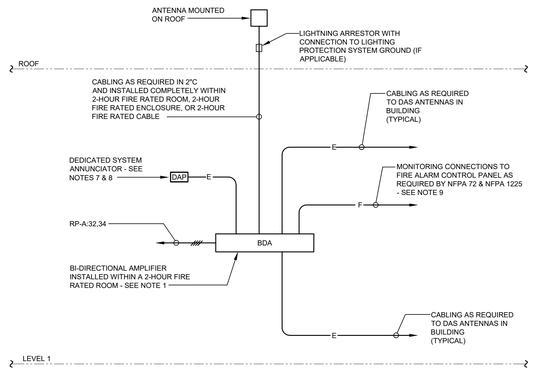
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025 161 LBWCC
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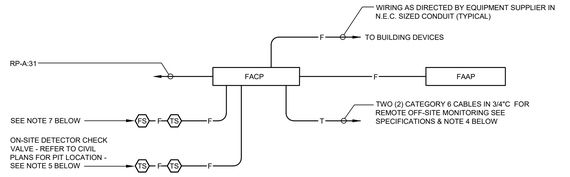


EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM RISER DIAGRAM

SCALE : NONE

EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM NOTES

1. AS PART OF THE BASE BID THIS CONTRACTOR SHALL SURVEY THE NEW BUILDING ADDITION ONCE STRUCTURE IS COMPLETE AND IMMEDIATELY PRIOR TO CEILINGS BEING INSTALLED TO DETERMINE RADIO COVERAGE IN ALL AREAS OF THE NEW BUILDING ADDITION. FURNISH REPORT TO THE ARCHITECT INDICATING SIGNAL AREAS AT ALL AREAS OF THE NEW BUILDING ADDITION. IF IT IS DETERMINED THAT AN EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM IS REQUIRED, IT WILL THEN BE INSTALLED IN THE NEW BUILDING ADDITION IN ACCORDANCE WITH SECTION 287800 OF THE SPECIFICATIONS. THE COST OF THE SYSTEM SHALL BE PAID FOR BY A PROJECT ALLOWANCE - REFER TO THE ALLOWANCES PORTION OF THE PROJECT SPECIFICATIONS. SYSTEM SHALL INCLUDE A COMPLETE OPERATING SYSTEM CONSISTING OF NECESSARY AMPLIFIERS, FILTERS, SURGE SUPPRESSION, CABLING, ANTENNA, ALL REQUIRED SYSTEM MONITORING, ETC.
2. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. DIAGRAM DEMONSTRATES BASIC SYSTEM RISER ONLY. EXACT SYSTEM LAYOUT AND COMPONENTS SHALL BE AS DETERMINED BY SUPPLIER SUBJECT TO SUBMITTAL REVIEW. CONTRACTOR SHALL PROVIDE ALL SYSTEM CONNECTIONS, DEVICES, CABLING, ETC. AS REQUIRED FOR A COMPLETE SYSTEM.
4. PROVIDE WIRING AS REQUIRED TO ALL EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM DEVICES. CABLING MAY BE RUN EXPOSED WITHIN CABLE TRAY OR BY WAY OF J-HOOKS OR SUPPORT RINGS 5'-0" ON CENTER IN ALL AREAS WITH ACCESSIBLE CEILINGS. CABLING SHALL BE INSTALLED IN PROPERLY SIZED CONDUIT IN ALL AREAS WITH HARD CEILING, WHERE ROUTED IN WALLS, AND IN AREAS WITH EXPOSED STRUCTURE (SUCH AS THE MACHINE TOOL TECHNOLOGY LAB). PROVIDE PLASTIC END BUSHING ON ALL ABOVE CEILING CONDUIT TERMINATIONS.
5. EXACT QUANTITIES/LOCATIONS OF ALL DAS ANTENNAS SHALL BE DETERMINED BY THE EQUIPMENT SUPPLIER FOR REQUIRED COVERAGE.
6. PROVIDE 120V DEDICATED EMERGENCY CIRCUITS AS REQUIRED.
7. VERIFY LOCATION OF DEDICATED ANNUNCIATOR WITH THE FIRE MARSHAL PRIOR TO ROUGH-IN.
8. THE COMMUNICATIONS LINK BETWEEN THE DEDICATED ANNUNCIATOR AND THE EMERGENCY RESPONDER COMMUNICATION COVERAGE SYSTEM SHALL BE MONITORED FOR INTEGRITY.
9. CONNECT EMERGENCY RESPONDER COMMUNICATION SYSTEM TO FIRE ALARM SYSTEM FOR ALL MONITORING AS REQUIRED BY NFPA 72 AND NFPA 1225. AT A MINIMUM THE FIRE ALARM SYSTEM SHALL MONITOR SIGNAL SOURCE MALFUNCTION, ACTIVE RF-EMITTING DEVICE FAILURE, LOW BATTERY CAPACITY INDICATION, ACTIVE SYSTEM COMPONENT FAILURE, LOSS OF NORMAL AC POWER, FAILURE OF BATTERY CHARGER, AND THE COMMUNICATIONS LINK BETWEEN THE FIRE ALARM SYSTEM AND THE EMERGENCY RESPONDER COMMUNICATION SYSTEM.

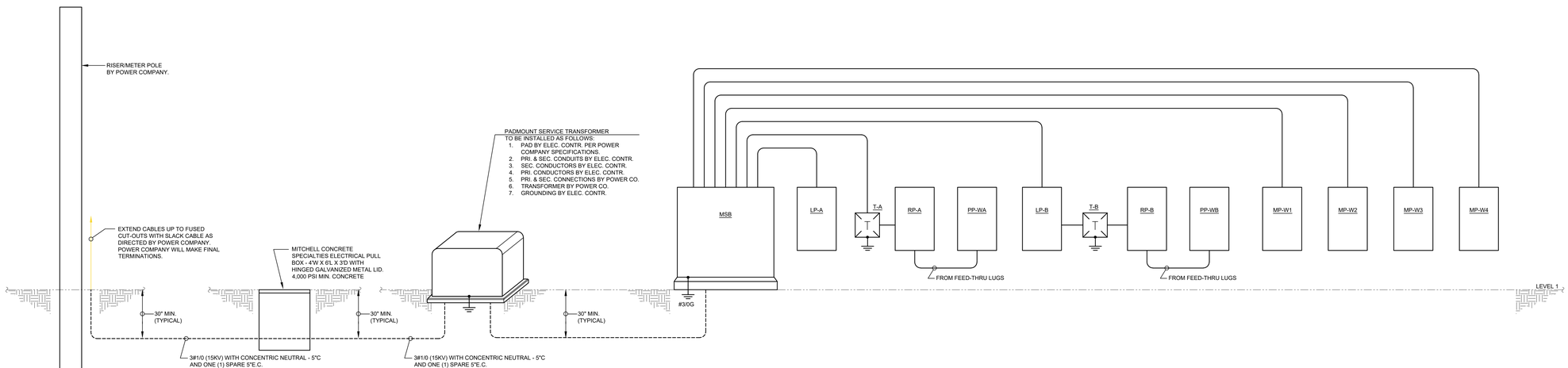


FIRE ALARM SYSTEM RISER DIAGRAM

SCALE : NONE

FIRE ALARM SYSTEM NOTES

1. ALL FIRE ALARM WIRING SHALL BE RUN IN CONDUIT. NO EXCEPTIONS.
2. 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.
3. FIRE ALARM EQUIPMENT SUPPLIER SHALL PROVIDE A COMPLETE SET OF FIRE ALARM EQUIPMENT SHOP DRAWINGS TO LOCAL FIRE MARSHALL FOR HIS APPROVAL.
4. COORDINATE WITH OWNER IN REGARD TO ACQUISITION OF DEDICATED PHONE LINES FROM UTILITY OR REQUIREMENTS FOR OTHER OFF-SITE MONTIORING COMMUNICATION TECHNOLOGY. 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.
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. 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.



SINGLE LINE DIAGRAM

SCALE : NONE

DIAGRAM NOTES

1. REFER TO SWITCHBOARD, PANELBOARD, AND TRANSFORMER SCHEDULES FOR ALL APPLICABLE FEEDER SIZES, BREAKER RATINGS, BUS RATINGS, TRANSFORMER RATINGS, ETC. NOT SHOWN ON THIS DIAGRAM.
2. NEUTRAL-GROUND BONDS SHALL ONLY BE MADE AT THE FOLLOWING LOCATIONS:
   A. MAIN BREAKER AT MSB.
   B. SECONDARY SIDE OF ALL TRANSFORMERS.
3. REFER TO TRANSFORMER SCHEDULES FOR MINIMUM GROUNDING ELECTRODE SIZES FOR DISTRIBUTION EQUIPMENT.

GMC

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CHECKED BY: RCR

LBW CC - MIB WORKFORCE RENOVATIONS
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467
ACCS 2025161.LBWCC
GMC # AMGM260016

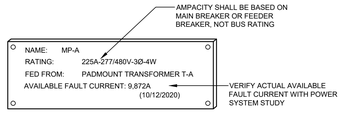
ALABAMA LICENSED PROFESSIONAL ENGINEER No. 24463 ROBERT C. RENFRO
06/02/2026

SINGLE LINE DIAGRAMS

E4.01

JACKSON, RENFRO & ASSOCIATES, INC.
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JRA JOB NO. 225270

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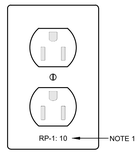


DETAIL "E-EDL" ELECTRICAL DISTRIBUTION EQUIPMENT LABEL

SCALE : NONE

DETAIL NOTES

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

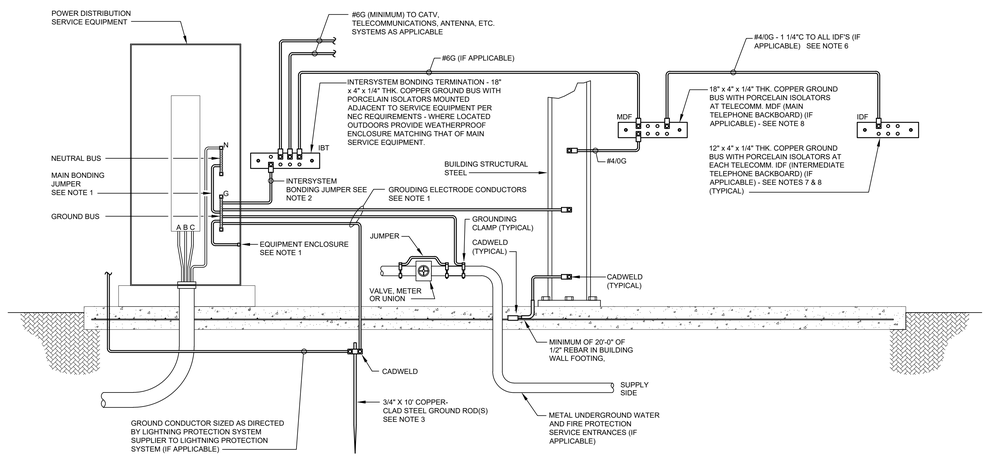


DETAIL "E-RI" RECEPTACLE IDENTIFICATION

SCALE : NONE

DIAGRAM NOTES

1. ALL RECEPTACLE FACE PLATES SHALL BE ENGRAVED WITH 3/16 INCH BLACK LETTERS INDICATING THE PANEL NAME AND CIRCUIT NUMBER SERVING THE DEVICE. TYPICAL FOR ALL RECEPTACLES.

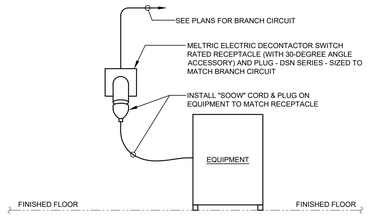


DETAIL "E-MSG" MAIN SERVICE GROUNDING

SCALE : NONE

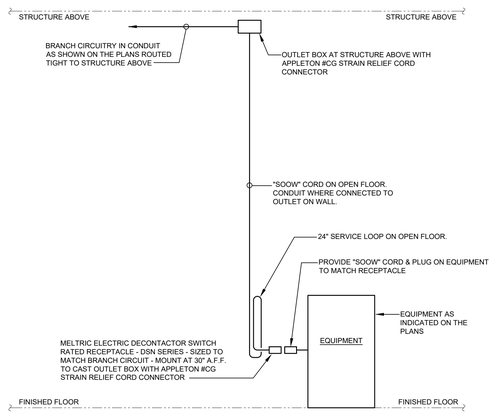
DETAIL NOTES

1. UNLESS OTHERWISE NOTED, MAIN BONDING JUMPER SHALL BE SIZED IN ACCORDANCE WITH NEC TABLE 250.102(C)(1) AND ALL GROUNDING ELECTRODE CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH NEC TABLE 250.66. ALL CONDUCTORS SHALL BE INSULATED COPPER.
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 #4/0 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.



TYPICAL EQUIPMENT CONNECTION DETAIL (WALL)

SCALE : NONE



TYPICAL EQUIPMENT CONNECTION DETAIL (CENTER)

SCALE : NONE

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LURLEEN B. WALLACE COMMUNITY COLLEGE
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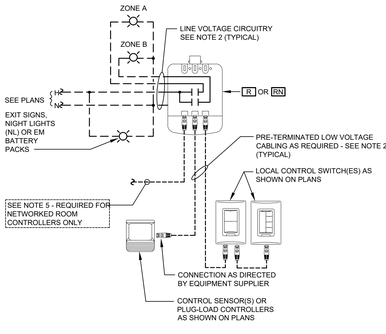
ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24662
06/02/2026

ELECTRICAL DETAILS

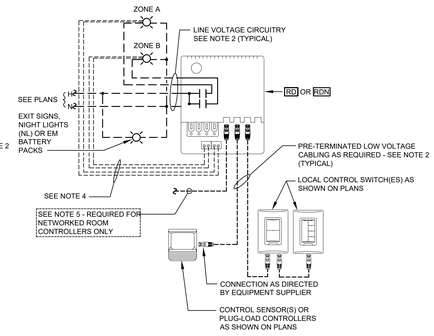
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SCHEME A: ON/OFF CONTROL



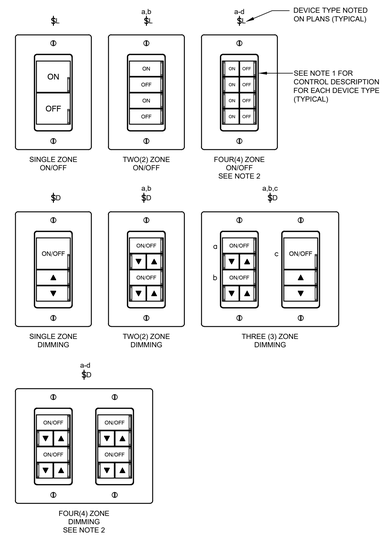
SCHEME B: DIMMING CONTROL

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. FOR NETWORKED ROOM CONTROLLERS, CONTRACTOR SHALL FURNISH NETWORK CABLING TO ASSOCIATED MASTER LIGHTING CONTROL SYSTEM AS REQUIRED FOR TIME SWEEP-STYLE AUTOMATIC LIGHTING SHUTOFF - PROVIDE ALL ADDITIONAL COMPONENTS SUCH AS NETWORK BRIDGE(S)/GATEWAY(S) AS REQUIRED.
6. 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.

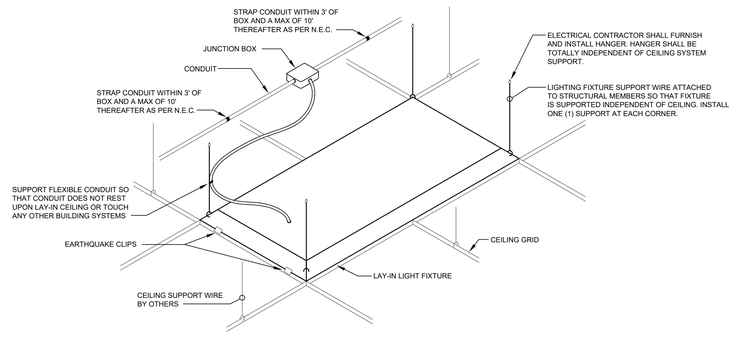


DETAIL "E-LCS"
TYPICAL DIGITAL LIGHTING CONTROL STATION LAYOUT

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-FS"
LAY-IN FIXTURE SUPPORT

SCALE : NONE

JACKSON, RENFRO & ASSOCIATES, INC
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ISSUE | DATE
BID SET | 06/02/2026

DRAWN BY: JRA
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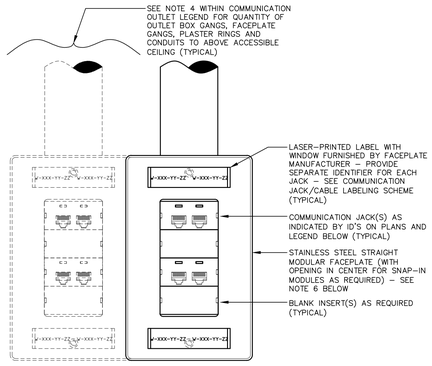
LBW CC - MIB WORKFORCE RENOVATIONS
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467
ACCS 2025.161.LBWCC
GMC # AMGM260016

ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24463
06/02/2026

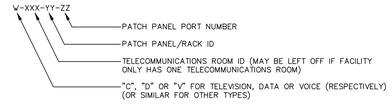
ELECTRICAL DETAILS

E5.02

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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)	CAT6 DATA CABLE(S).	NEAREST DATA PATCH PANEL	
*H	IF CABLE LENGTH < 35': PASSIVE HDMI JACK(S)	SEE *HD BELOW FOR CABLE REQUIREMENTS.	ASSOCIATED LOW VOLTAGE "*HD" OUTLET AT DISPLAY LOCATION (TV/PROJECTOR/ETC.)	SEE NOTE 8 BELOW
	IF CABLE LENGTH > 35': ACTIVE HDMI JACK(S) - RAPID RUN OPTICAL TRANSMITTER PLATE OR EQUAL	SEE *HD BELOW FOR CABLE REQUIREMENTS.		
*HD	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': ACTIVE HDMI JACK(S) - RAPID RUN OPTICAL RECEIVER OR EQUAL - PROVIDE CONCEALED L.V. POWER FROM ADJACENT 120V RECEPATCLE	RAPID RUN OPTICAL PLENUM RUNNER OR EQUAL		
*V	RJ45 VOICE JACK(S)	CAT6 VOICE CABLE(S).	NEAREST TELEPHONE PATCH PANEL/BACKBOARD	

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 "1V2D" REPRESENTS ONE (1) VOICE JACK/CABLE AND TWO (2) DATA JACKS/CABLES. 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:
   1-4 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.
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.

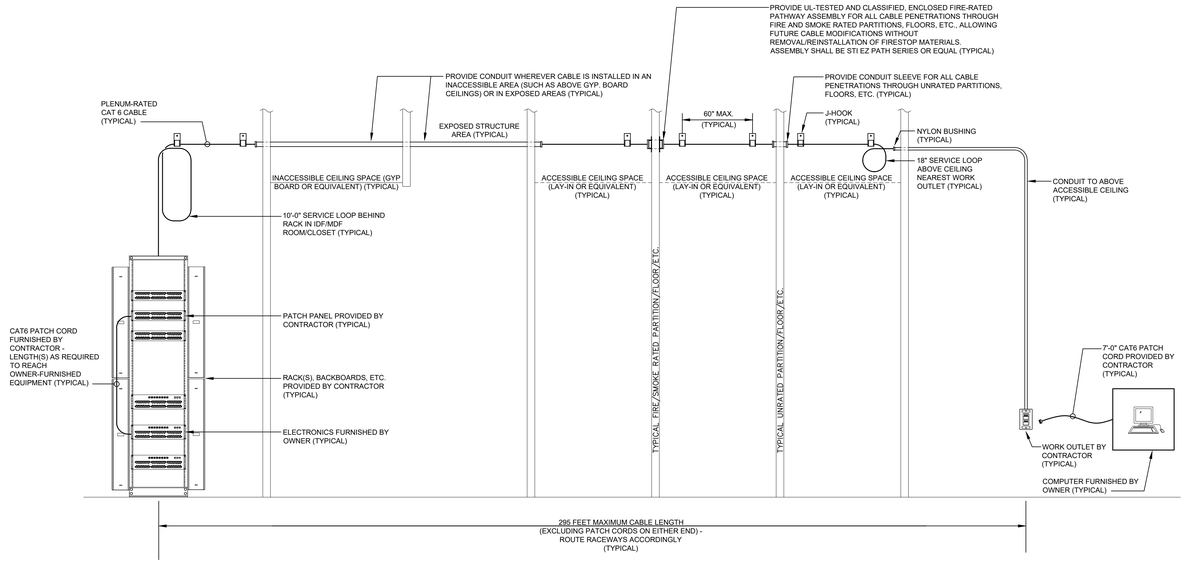


DIAGRAM "E-SCH"
STRUCTURED CABLING HORIZONTAL TYPICAL WIRING DIAGRAM

SCALE : NONE

JACKSON, RENFRO & ASSOCIATES, INC.
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ISSUE	DATE
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DRAWN BY: JRA
CHECKED BY: RCR

LBW CC - MIB WORKFORCE RENOVATIONS
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467
ACCS 2025161LBWCC
GMC # AMGM260016

ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24463
06/02/2026

ELECTRICAL DETAILS

E5.03

2/25/2026 9:36:08 AM TEMPLATE VERSION: 2025.1

PANELBOARD SCHEDULE - MSB

PANEL TYPE:	SQUARE 'D' SWITCHBOARD						AIC RATING:	65KAIC (MINIMUM)		
VOLTAGE:	277/480V-3P-4W						MOUNTING:	SURFACE		
AMPS & TYPE:	2000/3 MAIN BKR						LOCATION:	SEE PLANS		
FED FROM:	UTILITY						FEEDER:	6 SETS OF 4-400MCM - 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	MP-W1	277/480	3		234.0		400/3	-	2 SETS OF 4#3/0 & 1#3G - 2 1/2"C	
2	MP-W2	277/480	3		208.5		400/3	-	2 SETS OF 4#3/0 & 1#3G - 2 1/2"C	
3	MP-W3	277/480	3		240.0		400/3	-	2 SETS OF 4#3/0 & 1#3G - 2 1/2"C	
4	MP-W4	277/480	3		171.6		400/3	-	2 SETS OF 4#3/0 & 1#3G - 2 1/2"C	
5	LP-A	277/480	3		17.3		100/3	-	4#3 & 1#8G - 1 1/2"C	
6	LP-B	277/480	3		83.7		125/3	-	4#1 & 1#6G - 2"C	
7	RP-A (112.5 KVA X-FORMER)	480	3		87.8		175/3	-	3#2/0 & 1#6G - 2"C	
8	WELDING EXHAUST	480	3	60			175/3	200/3 - F125	3#1 & 1#4G - 1 1/2"C	
9	WELDING EXHAUST	480	3	50			150/3	200/3 - F110	3#3 & 1#6G - 1 1/4"C	
10	AC-1	480	3	20			60/3	60/3	3#8 & 1#8G - 1"C	
11	SPACE		3				-/3	-		
12	SPACE		3				-/3	-		
13	SPACE		3				-/3	-		
14	SPACE		3				-/3	-		

TOTAL CONNECTED LOAD:	1,688.5 KVA	NOTES:
	2,110.6 AMPS	1. PROVIDE INTEGRAL 240KA (PER PHASE) SPD.
TOTAL DEMAND LOAD:	1168.6 KVA	2. EQUIPMENT SHALL BE SERVCE-ENTRANCE RATED.
	1,460.8 AMPS	3. SWITCHBOARD SHALL BE FRONT-ACCESSIBLE ONLY.
TOTAL COMPUTED LOAD:	1173.1 KVA	4. MAIN BREAKER SHALL BE GROUND-FAULT TYPE
	1,466.4 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.

BUSWAY SCHEDULE - MP-W3

PANEL TYPE:	SQUARE 'D' TYPE NQ						AIC RATING:	42KAIC (MINIMUM)		
VOLTAGE:	277/480V-3P-4W						MOUNTING:	SURFACE		
AMPS & TYPE:	400/3 MAIN BKR	NOTE 2					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	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
2	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
3	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
4	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
5	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
6	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
7	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
8	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
9	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
10	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
11	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
12	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
13	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
14	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
15	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
16	CNC PLASMA CUTTER	480	1			20.0	60/2	-	2#6 & 1#10G - 1"C	
17	SPACE		3				-/3	-		
18	SPACE		3				-/3	-		
19	SPACE		3				-/3	-		
20	SPACE		3				-/3	-		

TOTAL CONNECTED LOAD:	369.2 KVA	NOTES:
	461.5 AMPS	1. PROVIDE INTEGRAL 160KA (PER PHASE) SPD.
TOTAL DEMAND LOAD:	240.0 KVA	2. MAIN BREAKER SHALL BE SHUNT-TRIP TYPE.
	300.0 AMPS	3. FURNISH IN A SINGLE 20" WIDE SECTION.
TOTAL COMPUTED LOAD:	240.0 KVA	
	300.0 AMPS	

PANELBOARD SCHEDULE - LP-A

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	LCP	20/1	EXTERIOR LIGHTS	500	A	2,000	CLASSROOM LIGHTS	20/1	-	2
3	LCP	20/1	WELDING LIGHTS	1,500	B	1,500	WELDING LIGHTS	20/1	LCP	4
5	-	15/3	VF-1	700	C	700	VF-2	15/3	-	6
7	-	|	|	700	A	700	|	|	-	8
9	-	|	|	700	B	700	|	|	-	10
11	-	30/1	EUH-1	5,000	C		-	20/1	-	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	SPARE		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		-	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.	3,900	4,400	6,400	TOTAL CONNECTED LOAD:	14.7 KVA
					18.4 AMPS
				TOTAL DEMAND LOAD:	14.7 KVA
					18.4 AMPS
				TOTAL COMPUTED LOAD:	17.3 KVA
					21.7 AMPS

BUSWAY SCHEDULE - MP-W1

PANEL TYPE:	SQUARE 'D' TYPE NQ						AIC RATING:	42KAIC (MINIMUM)		
VOLTAGE:	277/480V-3P-4W						MOUNTING:	SURFACE		
AMPS & TYPE:	400/3 MAIN BKR	NOTE 2					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	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
2	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
3	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
4	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
5	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
6	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
7	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
8	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
9	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
10	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
11	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
12	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
13	PLASMA CUTTER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
14	WELDER (MIG)	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
15	WELDER (MIG)	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
16	SPACE		3				-/3	-		
17	SPACE		3				-/3	-		
18	SPACE		3				-/3	-		
19	SPACE		3				-/3	-		
20	SPACE		3				-/3	-		

TOTAL CONNECTED LOAD:	360.0 KVA	NOTES:
	450.0 AMPS	1. PROVIDE INTEGRAL 160KA (PER PHASE) SPD.
TOTAL DEMAND LOAD:	234.0 KVA	2. MAIN BREAKER SHALL BE SHUNT-TRIP TYPE.
	292.5 AMPS	3. FURNISH IN A SINGLE 20" WIDE SECTION.
TOTAL COMPUTED LOAD:	234.0 KVA	
	292.5 AMPS	

BUSWAY SCHEDULE - MP-W4

PANEL TYPE:	SQUARE 'D' TYPE NQ						AIC RATING:	42KAIC (MINIMUM)		
VOLTAGE:	277/480V-3P-4W						MOUNTING:	SURFACE		
AMPS & TYPE:	400/3 MAIN BKR	NOTE 2					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	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
2	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
3	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
4	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
5	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
6	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
7	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
8	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
9	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
10	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
11	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
12	SPACE		3				-/3	-		
13	SPACE		3				-/3	-		
14	SPACE		3				-/3	-		
15	SPACE		3				-/3	-		
16	SPACE		3				-/3	-		
17	SPACE		3				-/3	-		
18	SPACE		3				-/3	-		
19	SPACE		3				-/3	-		
20	SPACE		3				-/3	-		

TOTAL CONNECTED LOAD:	264.0 KVA	NOTES:
	330.0 AMPS	1. PROVIDE INTEGRAL 160KA (PER PHASE) SPD.
TOTAL DEMAND LOAD:	171.6 KVA	2. MAIN BREAKER SHALL BE SHUNT-TRIP TYPE.
	214.5 AMPS	3. FURNISH IN A SINGLE 20" WIDE SECTION.
TOTAL COMPUTED LOAD:	171.6 KVA	
	214.5 AMPS	

PANELBOARD SCHEDULE - LP-B

PANEL TYPE:	SQUARE 'D' TYPE NF						AIC RATING:	42KAIC (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	LCP	20/1	EXTERIOR LIGHTS	700	A	2,000	CLASSROOM LIGHTS	20/1	-	2
3	LCP	20/1	WELDING LIGHTS	2,300	B	2,300	WELDING LIGHTS	20/1	LCP	4
5	-	15/3	VF-3	700	C		-	20/1	-	6
7	-	|	|	700	A		-	20/1	-	8
9	-	|	|	700	B		-	20/1	-	10
11	-	20/1	SPARE		C		-	20/1	-	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	-		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	24,142	RP-B (112.5 KVA X-FORMER)	175/3	-	38
39	-	20/1	-		B	24,142	3#2/0 & 1#6G - 2"C	|	-	40
41	-	20/1	-		C	24,142	|	|	-	42

NOTES:	PH. A:	PH. B:	PH. C:		
	27,542	29,442	24,842	TOTAL CONNECTED LOAD:	110.4 KVA
					138.0 AMPS
				TOTAL DEMAND LOAD:	81.8 KVA
					102.3 AMPS
				TOTAL COMPUTED LOAD:	83.7 KVA
					104.6 AMPS

BUSWAY SCHEDULE - MP-W2

PANEL TYPE:	SQUARE 'D' TYPE NQ						AIC RATING:	42KAIC (MINIMUM)		
VOLTAGE:	277/480V-3P-4W						MOUNTING:	SURFACE		
AMPS & TYPE:	400/3 MAIN BKR	NOTE 2					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	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
2	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
3	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
4	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
5	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
6	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
7	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
8	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
9	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
10	WELDER	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
11	ROBOTIC WELDER	480	3			41.0	60/3	-	3#6 & 1#10G - 1"C	
12	WELDER (MIG)	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
13	WELDER (MIG)	480	3			30.0	60/3	-	3#6 & 1#10G - 1"C	
14	SPACE		3				-/3	-		
15	SPACE		3				-/3	-		
16	SPACE		3				-/3	-		
17	SPACE		3				-/3	-		
18	SPACE		3				-/3	-		
19	SPACE		3				-/3	-		
20	SPACE		3				-/3	-		

TOTAL CONNECTED LOAD:	320.8 KVA	NOTES:
	401.0 AMPS	1. PROVIDE INTEGRAL 160KA (PER PHASE) SPD.
TOTAL DEMAND LOAD:	208.5 KVA	2. MAIN BREAKER SHALL BE SHUNT-TRIP TYPE.
	260.7 AMPS	3. FURNISH IN A SINGLE 20" WIDE SECTION.
TOTAL COMPUTED LOAD:	208.5 KVA	
	260.7 AMPS	

TRANSFORMER SCHEDULE

MARK	SIZE (KVA)	DESCRIPTION	PRIMARY VOLTAGE & PHASE	SECONDARY VOLTAGE & PHASE	PANEL FED	MOUNTING	GROUND SIZE	REMARKS
T-A	112.5	DRY-TYPE	480V-3P-3W	120/208V-3P-4W	RP-A	FLOOR	#2	
T-B	112.5	DRY-TYPE	480V-3P-3W	120/208V-3P-4W	RP-B	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 06/02/2026
BID SET
DRAWN BY: JRA
CHECKED BY: RCR

LBW CC - MIB WORKFORCE RENOVATIONS
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467
ACCS 2025.161.LBWCC
GMC # AMGM260016

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 24463 ROBERT C. RENFRO
06/02/2026

ELECTRICAL SCHEDULES

E6.01

JACKSON, RENFRO & ASSOCIATES, INC
ELECTRICAL ENGINEERING & DESIGN
19 INVERNESS CENTER PKWY • SUITE 320 • BIRMINGHAM AL • 35242
ROBERT RENFRO, PE
bobby@jraee.com
(O) 205.536.7114
(F) 205.995.1078
JRA JOB NO. 225270

2/25/2026 9:36:08 AM TEMPLATE VERSION: 2025.1

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	CATALOG NUMBER	VOLTAGE	LAMPS			MOUNTING HEIGHT	MOUNTING TYPE	REMARKS
				WATTS	LUMENS	TYPE			
A	LITHONIA WILLIAMS COOPER	2BLT4-40L-ADP-GZ1	120/277	31	4,000	LED 3500K	CEILING	RECESSED LAY-IN	
AE	LITHONIA WILLIAMS COOPER	2BLT4-40L-ADP-GZ1-EM	120/277	31	4,000	LED 3500K	CEILING	RECESSED LAY-IN	EM
B	LITHONIA WILLIAMS COOPER	2BLT4-30L-ADP	120/277	27	3,000	LED 3500K	CEILING	RECESSED LAY-IN	
BE	LITHONIA WILLIAMS COOPER	2BLT4-30L-ADP-EM	120/277	27	3,000	LED 3500K	CEILING	RECESSED LAY-IN	EM
C	LITHONIA WILLIAMS COOPER	ZL1D-L48-SMR-5000LM-FST	120/277	45	5,000	LED 3500K	CEILING	OUTLET BOX	
CE	LITHONIA WILLIAMS COOPER	ZL1D-L48-SMR-5000LM-FST-EM	120/277	45	5,000	LED 3500K	CEILING	OUTLET BOX	EM
D	LITHONIA WILLIAMS COOPER	EVO4-**/15-AR-LSS-MD	120/277	15	1,500	LED 3500K	CEILING	RECESSED	
DE	LITHONIA WILLIAMS COOPER	EVO4-**/15-AR-LSS-MD-EM	120/277	15	1,500	LED 3500K	CEILING	RECESSED	EM
EXP	HOLOPHASE	HXPL-L24-2-3L-AS-NDM-40K EXPLOSION-PROOF	120/277	30	3,000	LED 4000K	CEILING	OUTLET BOX	
L	LITHONIA WILLIAMS COOPER	FEM-L48-8000LM-8PACL-WD	120/277	67	8,000	LED 3500K	10'-0" A.F.F	PENDANT	
LE	LITHONIA WILLIAMS COOPER	FEM-L48-8000LM-IPACL-WD-EM	120/277	67	8,000	LED 3500K	10'-0" A.F.F	PENDANT	EM14
L1	LITHONIA WILLIAMS COOPER	FEM-L48-4000LM-IPACL-WD	120/277	37	4,000	LED 4000K	CEILING	OUTLET BOX	
R5	PRUDENTIAL LEDALITE LITECONTROL	BPRO4-REC-FLSH-LED35-LO-5'-TMW-SAL-LP-SC-ND	120/277	4 PER FT	460 PER FT	LED 3500K	CEILING	RECESSED GYP	FSA, R
R10	PRUDENTIAL LEDALITE LITECONTROL	BPRO4-REC-FLSH-LED35-LO-10'-TMW-SAL-LP-SC-ND	120/277	4 PER FT	460 PER FT	LED 3500K	CEILING	RECESSED GYP	FSA, R
W	LITHONIA WILLIAMS COOPER	ARC1-P1-40K	120/277	15	1,500	LED 4000K	9'-0" A.F.F.	OUTLET BOX	FSA
WE	LITHONIA WILLIAMS COOPER	ARC1-P1-40K-E4WH	120/277	15	1,500	LED 4000K	9'-0" A.F.F.	OUTLET BOX	EM, FSA
X1	LITHONIA WILLIAMS COOPER	EDG-1GMR-ELN	120/277	FURNISHED BY MANUFACTURER			CEILING OR ABOVE DOOR	OUTLET BOX	EMX
X2	LITHONIA WILLIAMS COOPER	EDG-2GMR-ELN	120/277	FURNISHED BY MANUFACTURER			CEILING OR ABOVE DOOR	OUTLET BOX	EMX

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 DRIVERS SHALL BE RATED FOR OPERATION IN AMBIENT TEMPERATURES UP TO 55 DEGREES CELSIUS.

LIGHTING FIXTURE SCHEDULE KEYED NOTES:

EM EMERGENCY FIXTURE. PROVIDE EMERGENCY BATTERY PACK RATED FOR AT LEAST 500 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.
R LOCATE RECESSED SLOT FIXTURE 12 INCHES OFF OF WET WALL.

LIGHTING CONTROL PANEL SCHEDULE - LCP-A

MARK	DESCRIPTION	PANEL	CIRCUIT	AUTOMATIC CONTROL		OVERRIDE ON		OVERRIDE OFF		REMARKS
				ON	OFF	STATION	BUTTON	STATION	BUTTON	
R1	EXTERIOR LIGHTS	LP-A	1	DUSK	DAWN					
R2	WELDING LIGHTS	LP-A	3	OWNER	OWNER	$LCA	1	$LCA	1	
R3	WELDING LIGHTS	LP-A	4	OWNER	OWNER	$LCA	1	$LCA	1	
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									

LIGHTING CONTROL PANEL SCHEDULE - LCP-B

MARK	DESCRIPTION	PANEL	CIRCUIT	AUTOMATIC CONTROL		OVERRIDE ON		OVERRIDE OFF		REMARKS
				ON	OFF	STATION	BUTTON	STATION	BUTTON	
R1	EXTERIOR LIGHTS	LP-B	1	DUSK	DAWN					
R2	WELDING LIGHTS	LP-B	3	OWNER	OWNER	$LCB	1	$LCB	1	
R3	WELDING LIGHTS	LP-B	4	OWNER	OWNER	$LCB	1	$LCB	1	
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									

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 - PP-WA (SECT. 1)

PANEL TYPE: SQUARE 'D' TYPE NQ | AIC RATING: 10KAIC (MINIMUM)
VOLTAGE: 120/208V-3P-4W | MOUNTING: SURFACE
AMPS & TYPE: 400/3 MAIN BKR | LOCATION: SEE PLANS
FED FROM: RP-A | FEEDER: 2 SETS OF 4#3/0 & 1#3G - 2 1/2"C

CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	SHOP RECEPTACLES	1,000	A	1,000	SHOP RECEPTACLES	20/1	-	2
3	-	20/1	SHOP RECEPTACLES	1,000	B	1,000	SHOP RECEPTACLES	20/1	-	4
5	-	20/1	SHOP RECEPTACLES	1,000	C	1,000	SHOP RECEPTACLES	20/1	-	6
7	-	20/1	SHOP RECEPTACLES	1,000	A	1,000	SHOP RECEPTACLES	20/1	-	8
9	-	20/1	SHOP RECEPTACLES	1,000	B	1,000	SHOP RECEPTACLES	20/1	-	10
11	-	20/1	SHOP RECEPTACLES	1,000	C	1,000	SHOP RECEPTACLES	20/1	-	12
13	-	20/1	SHOP RECEPTACLES	1,000	A	1,000	SHOP RECEPTACLES	20/1	-	14
15	-	20/1	ROD OVEN	1,000	B	1,000	SHOP RECEPTACLES	20/1	-	16
17	-	20/1	ROD OVEN	1,000	C	1,000	SHOP RECEPTACLES	20/1	-	18
19	-	20/1	SHOP RECEPTACLES	1,000	A	1,000	WELDING RECEPTACLE	20/1	-	20
21	-	20/1	SHOP RECEPTACLES	1,000	B	1,000	WELDING RECEPTACLE	20/1	-	22
23	-	20/1	WELDING RECEPTACLE	1,000	C	1,000	WELDING RECEPTACLE	20/1	-	24
25	-	20/1	WELDING RECEPTACLE	1,000	A	1,000	WELDING RECEPTACLE	20/1	-	26
27	-	20/1	WELDING RECEPTACLE	1,000	B	1,000	WELDING RECEPTACLE	20/1	-	28
29	-	20/1	WELDING RECEPTACLE	1,000	C	1,000	WELDING RECEPTACLE	20/1	-	30
31	-	20/1	WELDING RECEPTACLE	1,000	A	1,000	WELDING RECEPTACLE	20/1	-	32
33	-	20/1	WELDING RECEPTACLE	1,000	B	1,000	WELDING RECEPTACLE	20/1	-	34
35	-	20/1	WELDING RECEPTACLE	1,000	C	1,000	WELDING RECEPTACLE	20/1	-	36
37	-	20/1	WELDING RECEPTACLE	1,000	A	1,000	WELDING RECEPTACLE	20/1	-	38
39	-	20/1	WELDING RECEPTACLE	1,000	B	1,000	WELDING RECEPTACLE	20/1	-	40
41	-	20/1	WELDING RECEPTACLE	1,000	C	1,000	WELDING RECEPTACLE	20/1	-	42

PP-WA (SECT. 2)

43	-	20/1	WELDING RECEPTACLE	1,000	A	1,000	WELDING RECEPTACLE	20/1	-	44
45	-	40/3	IRON WORKER	1,900	B	1,000	WELDING RECEPTACLE	20/1	-	46
47	-	|	|	1,900	C	1,000	WELDING ACCESSORIES	20/1	-	48
49	-	|	|	1,900	A	1,000	WELDING ACCESSORIES	20/1	-	50
51	-	20/1	WELDING ACCESSORIES	1,000	B	1,000	WELDING ACCESSORIES	20/1	-	52
53	-	20/1	SPARE		C		-	20/1	-	54
55	-	20/1	SPARE		A		-	20/1	-	56
57	-	20/1	SPARE		B		-	20/1	-	58
59	-	20/1	SPARE		C		-	20/1	-	60
61	-	20/1	SPARE		A		-	20/1	-	62
63	-	20/1	SPARE		B		-	20/1	-	64
65	-	20/1	SPARE		C		-	20/1	-	66
67	-	20/1	SPARE		A		-	20/1	-	68
69	-	20/1	-		B		-	20/1	-	70
71	-	20/1	-		C		-	20/1	-	72
73	-	20/1	-		A		-	20/1	-	74
75	-	20/1	-		B		-	20/1	-	76
77	-	20/1	-		C		-	20/1	-	78
79	-	20/1	-		A		-	20/1	-	80
81	-	20/1	-		B		-	20/1	-	82
83	-	20/1	-		C		-	20/1	-	84

NOTES:
1. PROVIDE INTEGRAL 160KA (PER PHASE) SPD.
2. MAIN BREAKER SHALL BE SHUNT-TRIP TYPE.

PH. A:	PH. B:	PH. C:		
18,900	18,900	16,900	TOTAL CONNECTED LOAD:	54.7 KVA
				151.9 AMPS
			TOTAL DEMAND LOAD:	39.0 KVA
				108.2 AMPS
			TOTAL COMPUTED LOAD:	39.0 KVA
				108.2 AMPS

PANELBOARD SCHEDULE - PP-WB (SECT. 1)

PANEL TYPE: SQUARE 'D' TYPE NQ | AIC RATING: 10KAIC (MINIMUM)
VOLTAGE: 120/208V-3P-4W | MOUNTING: SURFACE
AMPS & TYPE: 400/3 MAIN BKR | LOCATION: SEE PLANS
FED FROM: RP-B | FEEDER: 2 SETS OF 4#3/0 & 1#3G - 2 1/2"C

CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	SHOP RECEPTACLES	1,000	A	1,000	SHOP RECEPTACLES	20/1	-	2
3	-	20/1	SHOP RECEPTACLES	1,000	B	1,000	SHOP RECEPTACLES	20/1	-	4
5	-	20/1	SHOP RECEPTACLES	1,000	C	1,000	SHOP RECEPTACLES	20/1	-	6
7	-	20/1	SHOP RECEPTACLES	1,000	A	1,000	SHOP RECEPTACLES	20/1	-	8
9	-	20/1	SHOP RECEPTACLES	1,000	B	1,000	SHOP RECEPTACLES	20/1	-	10
11	-	20/1	SHOP RECEPTACLES	1,000	C	1,000	SHOP RECEPTACLES	20/1	-	12
13	-	20/1	SHOP RECEPTACLES	1,000	A	1,000	SHOP RECEPTACLES	20/1	-	14
15	-	20/1	SHOP RECEPTACLES	1,000	B	1,000	SHOP RECEPTACLES	20/1	-	16
17	-	20/1	SHOP RECEPTACLES	1,000	C	1,000	SHOP RECEPTACLES	20/1	-	18
19	-	20/1	SHOP RECEPTACLES	1,000	A	1,000	SHOP RECEPTACLES	20/1	-	20
21	-	20/1	SHOP RECEPTACLES	1,000	B	1,000	SHOP RECEPTACLES	20/1	-	22
23	-	20/1	WELDING RECEPTACLE	1,000	C	1,000	WELDING RECEPTACLE	20/1	-	24
25	-	20/1	WELDING RECEPTACLE	1,000	A	1,000	WELDING RECEPTACLE	20/1	-	26
27	-	20/1	WELDING RECEPTACLE	1,000	B	1,000	WELDING RECEPTACLE	20/1	-	28
29	-	20/1	WELDING RECEPTACLE	1,000	C	1,000	WELDING RECEPTACLE	20/1	-	30
31	-	20/1	WELDING RECEPTACLE	1,000	A	1,000	WELDING RECEPTACLE	20/1	-	32
33	-	20/1	WELDING RECEPTACLE	1,000	B	1,000	WELDING RECEPTACLE	20/1	-	34
35	-	20/1	WELDING RECEPTACLE	1,000	C	1,000	WELDING RECEPTACLE	20/1	-	36
37	-	20/1	WELDING RECEPTACLE	1,000	A	1,000	WELDING RECEPTACLE	20/1	-	38
39	-	20/1	WELDING RECEPTACLE	1,000	B	1,000	WELDING RECEPTACLE	20/1	-	40
41	-	20/1	WELDING RECEPTACLE	1,000	C	1,000	WELDING RECEPTACLE	20/1	-	42

PP-WB (SECT. 2)

43	-	20/1	WELDING RECEPTACLE	1,000	A	1,000	WELDING RECEPTACLE	20/1	-	44
45	-	20/1	WELDING RECEPTACLE	1,000	B	1,000	WELDING RECEPTACLE	20/1	-	46
47	-	20/1	WELDING RECEPTACLE	1,000	C	1,000	WELDING RECEPTACLE	20/1	-	48
49	-	20/1	WELDING RECEPTACLE	1,000	A	1,000	WELDING RECEPTACLE	20/1	-	50
51	-	20/1	SHOP RECEPTACLES	1,000	B	1,900	HORIZONTAL BAND SAW	40/3	-	52
53	-	20/1	WELDING ACCESSORIES	1,000	C	1,900	|	|	-	54
55	-	20/1	WELDING ACCESSORIES	1,000	A	1,900	|	|	-	56
57	-	20/1	WELDING ACCESSORIES	1,000	B	1,000	WELDING ACCESSORIES	20/1	-	58
59	-	20/1	WELDING ACCESSORIES	1,000	C	1,000	WELDING ACCESSORIES	20/1	-	60
61	-	20/1	WELDING ACCESSORIES	1,000	A		-	20/1	-	62
63	-	20/1	SPARE		B		-	20/1	-	64
65	-	20/1	SPARE		C		-	20/1	-	66
67	-	20/1	SPARE		A		-	20/1	-	68
69	-	20/1	SPARE		B		-	20/1	-	70
71	-	20/1	SPARE		C		-	20/1	-	72
73	-	20/1	SPARE		A		-	20/1	-	74
75	-	20/1	SPARE		B		-	20/1	-	76
77	-	20/1	SPARE		C		-	20/1	-	78
79	-	20/1	-		A		-	20/1	-	80
81	-	20/1	-		B		-	20/1	-	82
83	-	20/1	-		C		-	20/1	-	84

NOTES:
1. PROVIDE INTEGRAL 160KA (PER PHASE) SPD.
2. MAIN BREAKER SHALL BE SHUNT-TRIP TYPE.

PH. A:	PH. B:	PH. C:		
21,900	20,900	20,900	TOTAL CONNECTED LOAD:	63.7 KVA
				176.9 AMPS
			TOTAL DEMAND LOAD:	45.4 KVA
				126.1 AMPS
			TOTAL COMPUTED LOAD:	45.4 KVA
				126.1 AMPS

PANELBOARD SCHEDULE - RP-A (SECT. 1)

PANEL TYPE: SQUARE 'D' TYPE NQ | AIC RATING: 10KAIC (MINIMUM)
VOLTAGE: 120/208V-3P-4W | MOUNTING: SURFACE
AMPS & TYPE: 400/3 MAIN BKR | LOCATION: SEE PLANS
FED FROM: MSB | FEEDER: 2 SETS OF 4#3/0 & 1#2G - 2 1/2"C

CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	RECEPTACLES	1,200	A	1,000	DRINKING FOUNTAIN	20/1	GFCI	2
3	-	20/1	RECEPTACLES	1,000	B	800	RECEPTACLES	20/1	-	4
5	-	20/1	RECEPTACLES	800	C	400	RECEPTACLES	20/1	-	6
7	-	20/1	RECEPTACLES	400	A	400	RECEPTACLES	20/1	-	8
9	-	20/1	RECEPTACLES	1,200	B	1,000	TBB-A	20/1	-	10
11	-	20/1	RECEPTACLES	1,200	C	1,000	TBB-A	20/1	-	12
13	-	20/1	RECEPTACLES	1,200	A	1,000	DRINKING FOUNTAIN	20/1	GFCI	14
15	-	20/1	RECEPTACLES	400	B	1,000	GRINDER RECEPTACLE	20/1	-	16
17	-	20/1	RECEPTACLES	400	C	1,000	GRINDER RECEPTACLE	20/1	-	18
19	-	20/1	RECEPTACLES	400	A	1,000	GRINDER RECEPTACLE	20/1	-	20
21	-	15/3	OVERHEAD DOOR	1,000	B	1,000	GRINDER RECEPTACLE	20/1	-	22
23	-	|	|	1,000	C	1,000	GRINDER RECEPTACLE	20/1	-	24
25	-	|	|	1,000	A	2,000	ROBOTICS WELDER	60/3	-	26
27	-	20/1	RECEPTACLES	400	B	2,000	|	|	-	28
29	-	20/1	RECEPTACLES	400	C	2,000	|	|	-	30
31	LON	20/1	FACP	500	A	500	BDA	20/1	LON	32
33	-	20/1	AHU-1	1,500	B	500	BDA	20/1	LON	34
35	-	35/2	HP-B	1,900	C	1,800	CU-1	30/3	-	36
37	-	|	|	1,900	A	1,800	|	|	-	38
39	-	25/2	HP-A	1,600	B	1,800	|	|	-	40
41	-	|	|	1,600	C	1,200	UH-1	20/1	-	42

RP-A (SECT. 2)

43	-	35/2	HP-C	1,900	A	2,250	EWH-1	30/2	-	44
45	-	|	|	1,900	B	2,250	|	|	-	46
47	-	20/1	DRYER	1,000	C	700	EF-6	20/1	-	48
49	-	15/2	HP-E	800	A	900	AIR COMPRESSOR	15/3	-	50
51	-	|	|	800	B	900	|	|	-	52
53	-	20/1	SPARE		C	900	|	|	-	54
55	-	20/1	SPARE		A		-	20/1	-	56
57	-	20/1	SPARE		B		-	20/1	-	58
59	-	20/1	SPARE		C		-	20/1	-	60
61	-	20/1	SPARE		A		-	20/1	-	62
63	-	20/1	SPARE		B		-	20/1	-	64
65	-	20/1	-		C		-	20/1	-	66
67	-	20/1	-		A		-	20/1	-	68
69	-	20/1	-		B		-	20/1	-	70
71	-	20/1	-		C		-	20/1	-	72
73	-	20/1	-		A		-	20/1	-	74
75	-	20/1	-		B		-	20/1	-	76
77	-	20/1	-		C		-	20/1	-	78
79	-	20/1	-		A		-	20/1	-	80
81	-	20/1	-		B		-	20/1	-	82
83	-	20/1	-		C		-	20/1	-	84

NOTES:
1. PROVIDE INTEGRAL 160KA (PER PHASE) SPD.
2. "LON" = 'LOCK-ON' HARDWARE
3. FURNISH WITH FEED-THRU LUGS.
4. "GFCI" = GFI-TYPE BREAKER (5mA TRIP).

PH. A:	PH. B:	PH. C:		
20,150	21,050	18,300	TOTAL CONNECTED LOAD:	114.2 KVA
				317.2 AMPS
SUB-FEED PP-WA			TOTAL DEMAND LOAD:	87.8 KVA
39.0 KVA DEMAND				243.9 AMPS
			TOTAL COMPUTED LOAD:	87.8 KVA
				243.9 AMPS

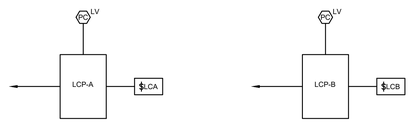
PANELBOARD SCHEDULE - RP-B

PANEL TYPE: SQUARE 'D' TYPE NQ | AIC RATING: 10KAIC (MINIMUM)
VOLTAGE: 120/208V-3P-4W | MOUNTING: SURFACE
AMPS & TYPE: 400/3 MAIN BKR | LOCATION: SEE PLANS
FED FROM: LP-B | FEEDER: 2 SETS OF 4#3/0 & 1#2G - 2 1/2"C

CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	RECEPTACLES	400	A	400	RECEPTACLES	20/1	-	2
3	-	20/1	RECEPTACLES	1,200	B	800	RECEPTACLES	20/1	-	4
5	-	20/1	RECEPTACLES	800	C	1,200	RECEPTACLES	20/1	-	6
7	-	20/1	RECEPTACLES	1,200	A	1,000	TBB-B	20/1	-	8
9	GFCI	20/1	DRINKING FOUNTAIN	1,000	B	1,000	TBB-B	20/1	-	10
11	-	20/1	RECEPTACLES	1,200	C	1,000	OVERHEAD DOOR	15/3	-	12
13	-	15/3	OVERHEAD DOOR	1,000	A	1,000	|	|	-	14
15	-	|	|	1,000	B	1,000	|	|	-	16
17	-	|	|	1,000	C	1,000	GRINDER	20/1	-	18
19	-	20/1	GRINDER	1,000	A	1,000	GRINDER	20/1	-	20
21	-	20/1	GRINDER	1,000	B	1,000	UH	20/1	-	22
23	-	45/2	HAND TORCH	1,900	C	1,500	AHU-2	20/1	-	24
25	-	|	|	1,900	A	1,900	HP-D	35/2	-	26
27	-	15/2	HP-F	800	B	1,900	|	|	-	28
29	-	|	|	800	C	1,800	CU-2	30/3	-	30
31	-	20/1	SPARE		A	1,800	|	|	-	32
33	-	20/1	SPARE		B	1,800	|	|	-	34
35	-	20/1	SPARE		C		SPARE	20/1	-	36
37	-	20/1	SPARE		A		SPARE	20/1	-	38
39	-	20/1	SPARE		B		SPARE	20/1	-	40
41	-	20/1	SPARE		C		SPARE	20/1	-	42

NOTES:
1. PROVIDE INTEGRAL 160KA (PER PHASE) SPD.
2. "LON" = 'LOCK-ON' HARDWARE
3. FURNISH WITH FEED-THRU LUGS.
4. "GFCI" = GFI-TYPE BREAKER (5mA TRIP).

PH. A	PH. B	PH. C		
12,600	12,500	12,200	TOTAL CONNECTED LOAD:	101.0 KVA
				280.6 AMPS
SUB-FEED PP-WB			TOTAL DEMAND LOAD:	72.4 KVA
45.4 KVA DEMAND				201.2 AMPS
			TOTAL COMPUTED LOAD:	72.4 KVA
				201.2 AMPS



LIGHTING CONTROL DIAGRAMS

SCALE : NONE

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ISSUE DATE 06/02/2026
BID SET
DRAWN BY: JRA
CHECKED BY: RCR

LBW CC - MIB WORKFORCE RENOVATIONS
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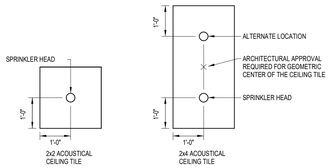
ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24463
06/02/2026

ELECTRICAL SCHEDULES

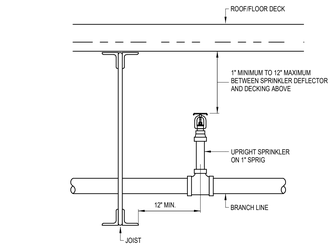
E6.02

JACKSON, RENFRO & ASSOCIATES, INC
ELECTRICAL ENGINEERING & DESIGN
10 INVERNESS CENTER PKWY • SUITE 300 • BIRMINGHAM AL • 35242
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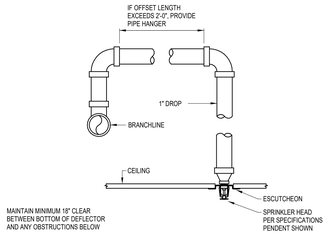
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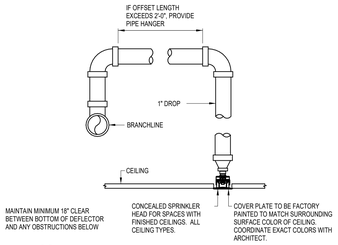
2 **DETAIL OF SPRINKLER HEAD IN CEILING TILE**
FP0.01 NO SCALE



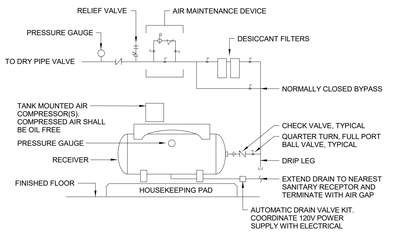
1 **DETAIL OF JOIST CLEARANCE FOR UPRIGHT SPRINKLER HEAD**
FP0.01 NO SCALE



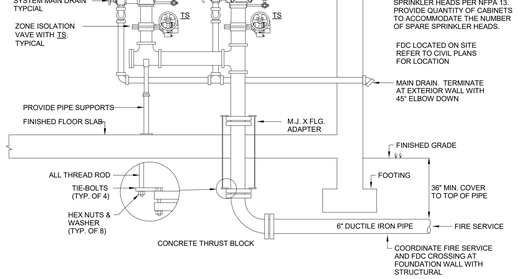
4 **DETAIL OF RECESSED SPRINKLER HEAD**
FP0.01 NO SCALE



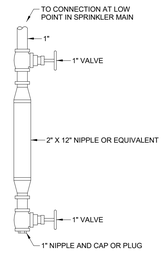
3 **DETAIL OF CONCEALED PENDANT SPRINKLER HEAD**
FP0.01 NO SCALE



6 **DETAIL of AIR COMPRESSOR FOR DRY SYSTEM**
FP0.01 NO SCALE



5 **DETAIL of FIRE SERVICE ENTRY**
FP0.01 NO SCALE



7 **DETAIL of AUXILIARY DRAIN**
FP0.01 NO SCALE

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)
TS	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 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.

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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2. FIRE STOP SYSTEMS PROVIDED SHALL RESIST THE SPREAD OF FIRE, THE PASSAGE OF SMOKE AND OTHER GASES.

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, HOLDING CELLS, 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, ELEVATOR HOIST WAYS, 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

LAUNDRY AND STORAGE ROOMS OVER 250 SQ.FT.

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. 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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Project # 225106

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Birmingham, AL 35233
T 205.879.4462
GMCNETWORK.COM

ISSUE | DATE
BID SET | 06/02/2026

DRAWN BY: WLA
CHECKED BY: JSD

LBW CC - MIB WORKFORCE RENOVATIONS
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467
ACCS 2025.161.LBWCC
GMC # AMGM260016

JAMES S. DAVIS No. 14178 PROFESSIONAL ENGINEER
06/02/26

225106

LEGEND, DETAILS AND NOTES

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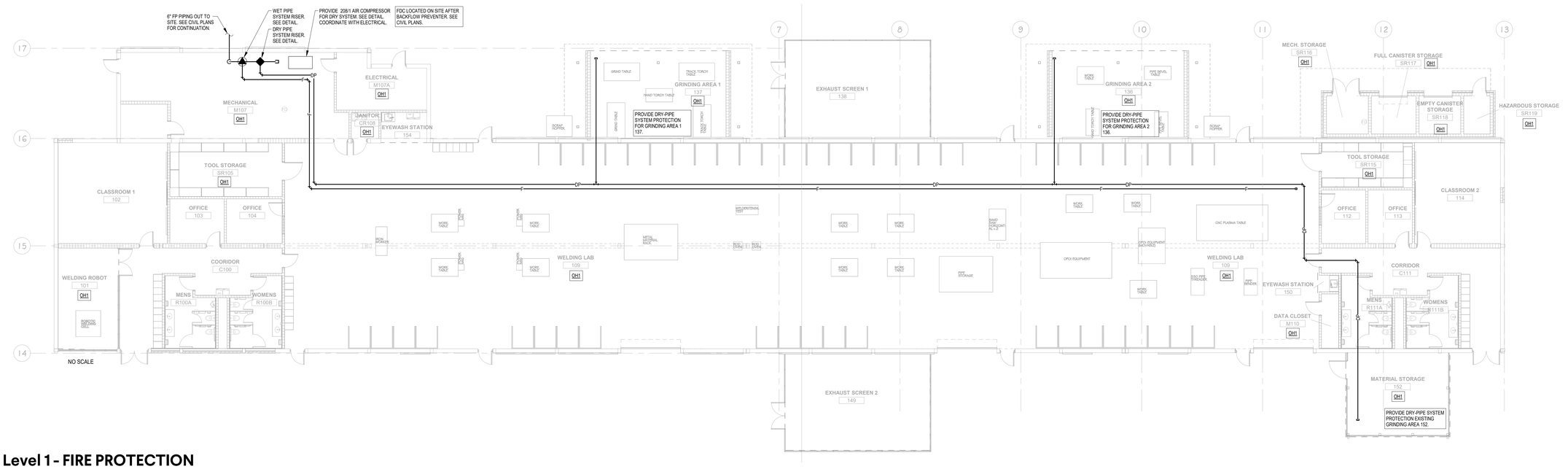
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CHECKED BY: JSD



NO SCALE

F1 Level 1 - FIRE PROTECTION
SCALE: 1" = 10'-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.

- 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

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1708 N MAIN ST. OPP, AL 36467
ACCS 2025161.LBWCC
GMC # AMGM260016

ALABAMA No. 14178 PROFESSIONAL ENGINEER JAMES S. DAVIS
06/02/26

225106

FIRE PROTECTION

FP1.01

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BEST MANAGEMENT PRACTICES NOTES

1. ALL BEST MANAGEMENT PRACTICES SHALL BE DEVELOPED AND MAINTAINED BY THE CONTRACTOR ACCORDING TO THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL, AND STORM WATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS, (MARCH 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 = 1.05+/- AC

8. APPROXIMATE START DATE: JULY 2026. APPROXIMATE END DATE: AUGUST 2027.

9. EXISTING SITE CONDITIONS: EXISTING COMMUNITY COLLEGE CAMPUS WITH ASSOCIATED HARDSCAPES, LANDSCAPING, PARKING, UTILITIES, ETC.

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 OPP 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. 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.

9. ALL EXCESS EXCAVATION CREATED BY GRADING OPERATIONS SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF SITE.

10. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB, CENTER OF STRIPE, FACE OF BUILDING OR AS SPECIFIED IN THE PLANS.

11. 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.

12. 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.

13. THE CONTRACTOR SHALL COORDINATE THE ELECTRICAL CONNECTION POINT, SERVICE, SIZE, POLE LOCATIONS, AND TRANSFORMER LOCATIONS WITH THE SERVICE PROVIDER PRIOR TO CONSTRUCTION ACTIVITIES.

14. THE CONTRACTOR SHALL PAY ALL CONNECTION COSTS AND FEES, INCLUDING BUT NOT LIMITED TO TAPPING FEES, METER COSTS, SETTING CHARGES, AND CONNECTION CHARGES.

15. ALL DRAINAGE STRUCTURES, INLETS BOXES, MANHOLES, ETC. SHALL BE POURED IN PLACE OR PRE CAST CONCRETE AS REQUIRED.

16. BRICK WILL ONLY BE ALLOWED TO ADJUST GRADE ON STORM MANHOLES. THE MAXIMUM ALLOWABLE HEIGHT OF BRICK SHALL BE 11 INCHES.

17. 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.

18. 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.

19. 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.

20. ALL FUEL STORAGE TANKS USED ON THE SITE BY THE CONTRACTOR SHALL MEET ALL LOCAL, STATE, AND FEDERAL CODES AND REGULATIONS.

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING ALL TRENCH EXCAVATIONS FOR THIS PROJECT ARE IN ACCORDANCE WITH OSHA REGULATIONS.

22. 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.

23. SITE SECURITY WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE LAYOUT OF TEMPORARY CONSTRUCTION FENCING WITH THE OWNER.

24. 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	SEP. 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)				24
PENSACOLA BAHIA GRASS				47
RESEEDING CRIMSON CLOVER	5			
REQ'D PERMANENT PLANT	BERMUDAGRASS			PENSACOLA BAHIA GRASS

ZONE 3 - AREAS NOT SUBJECT TO FREQUENT MOWING (REQUIRED LBS. PER ACRE)

DATE OF PLANTING	JAN. 1 - FEB. 15	FEB. 16 - AUG. 31	SEP. 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 BAHIAGRASS	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 (N)	PHOSPHORUS (P_2O_5)	POTASH (K_2O)
15-0-15	15		15
13-13-13	13	13	13
10-10-10	10	10	10
8-8-8	8	8	8
0-14-14		14	14
4-12-12	4	12	12
4-16-8	4	16	8
SUPER PHOSPHATE		18	
AMMONIUM NITRATE	33.5		
AMMONIUM SULPHATE	20.5		
SODIUM NITRATE	16		
POTASSIUM CHLORIDE			60

3. GENERAL NOTES AND MAINTENANCE

AFTER SEEDING, THE AREA IS TO BE ROLLED OR CULTIPACKED TO INSURE THAT THE SEED IS PRESSED INTO CONTACT WITH SOIL SURFACE. ALL SEEDED AREAS ARE TO BE MULCHED WITH STRAW MULCH AT THE RATE OF 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, 2012 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 CONDIT

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 REMOVAL AND RELOCATION OF ALL UTILITY LINES LOCATED UNDERNEATH THE PROPOSED BUILDINGS.
7. 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.

N

0 10' 20'

Scale: 1" = 10'

LEGEND

- EX. ASPHALT TO BE REMOVED
- EX. CONCRETE TO BE REMOVED
- EX. CURB TO BE REMOVED
- EX. WALL TO BE REMOVED
- EX. GAS METER TO BE REMOVED

MATCHLINE A
SEE SHEET C-003

EX. ASPHALT TO BE SAWCUT, REMOVED, AND REPLACED (SEE SHEET C-101)

EX. ASPHALT TO BE SAWCUT AT THE NEAREST JOINT AND REMOVED

EX. CONCRETE TO BE SAWCUT AT THE NEAREST JOINT, REMOVED, AND REPLACED (SEE SHEET C-101)

EX. GAS METER TO BE REMOVED AND REPLACED (SEE P-DRAWINGS) (CONTRACTOR TO COORDINATE ALL WORK WITH OWNER AND LOCAL AHJ)

EX. CONCRETE STOOP TO BE REMOVED

EX. SCREEN FENCE, CONCRETE PAD, AND MECHANICAL UNIT TO BE REMOVED

EX. SCREEN WALL, CONCRETE, AND ASSOCIATED MECHANICAL UNITS, UTILITIES, ETC. TO BE REMOVED

EX. TRANSFORMER AND CONCRETE PAD TO BE REMOVED

EX. CONCRETE PAVEMENT TO BE SAWCUT AND REMOVED

EX. A/C UNIT TO BE REMOVED

EXISTING BUILDING TO BE RENOVATED
(SEE A-DRAWINGS FOR DETAILS)

EX. CONCRETE TO BE SAWCUT, REMOVED, AND REPLACED

EX. CONCRETE TO BE SAWCUT, REMOVED, AND REPLACED

EX. ASPHALT TO BE SAWCUT, REMOVED, AND REPLACED (SEE SHEET C-101)

EX. CONCRETE RIBBON CURB TO BE SAWCUT AT THE NEAREST JOINT, REMOVED, AND REPLACED (SEE SHEET C-101)

EX. CONCRETE TO BE SAWCUT AND REMOVED

EX. CONCRETE RIBBON CURB TO BE SAWCUT AND REMOVED

EX. CONCRETE PAVEMENT TO BE REMOVED AND REPLACED (SEE SHEET C-101)

EX. CONCRETE TO BE SAWCUT AT THE NEAREST JOINT, REMOVED, AND REPLACED

EX. CONCRETE RIBBON CURB TO BE SAWCUT AND REMOVED

EX. CONCRETE PAVILION AND AWNING TO BE PRESERVED AND PROTECTED

EX. SANITARY SEWER MAIN TO BE PRESERVED AND PROTECTED. CONTRACTOR TO FIELD VERIFY LOCATION, DEPTH, AND SIZE OF EX. LINE

EX. CONCRETE RIBBON CURB TO BE PRESERVED AND PROTECTED

EX. CONCRETE SIDEWALK TO BE PRESERVED AND PROTECTED

EX. CONCRETE TO BE SAWCUT AND REMOVED

EX. CONCRETE RIBBON CURB TO BE SAWCUT AT THE NEAREST JOINT, REMOVED, AND REPLACED (SEE SHEET C-101)

GMC

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ISSUE DATE
BID SET 06/02/2026

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CHECKED BY:

LBW CC - MIB WORKFORCE RENOVATIONS
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025161.LBWCC
GMC # AMGM260016



06/02/2026

EXISTING CONDITIONS AND DEMOLITION PLAN

C-002
sheet of

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PLOTTED: Jun 02, 2026 - 9:39am

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.
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6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND RELOCATION OF ALL UTILITY LINES LOCATED UNDERNEATH THE PROPOSED BUILDINGS.
7. 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.

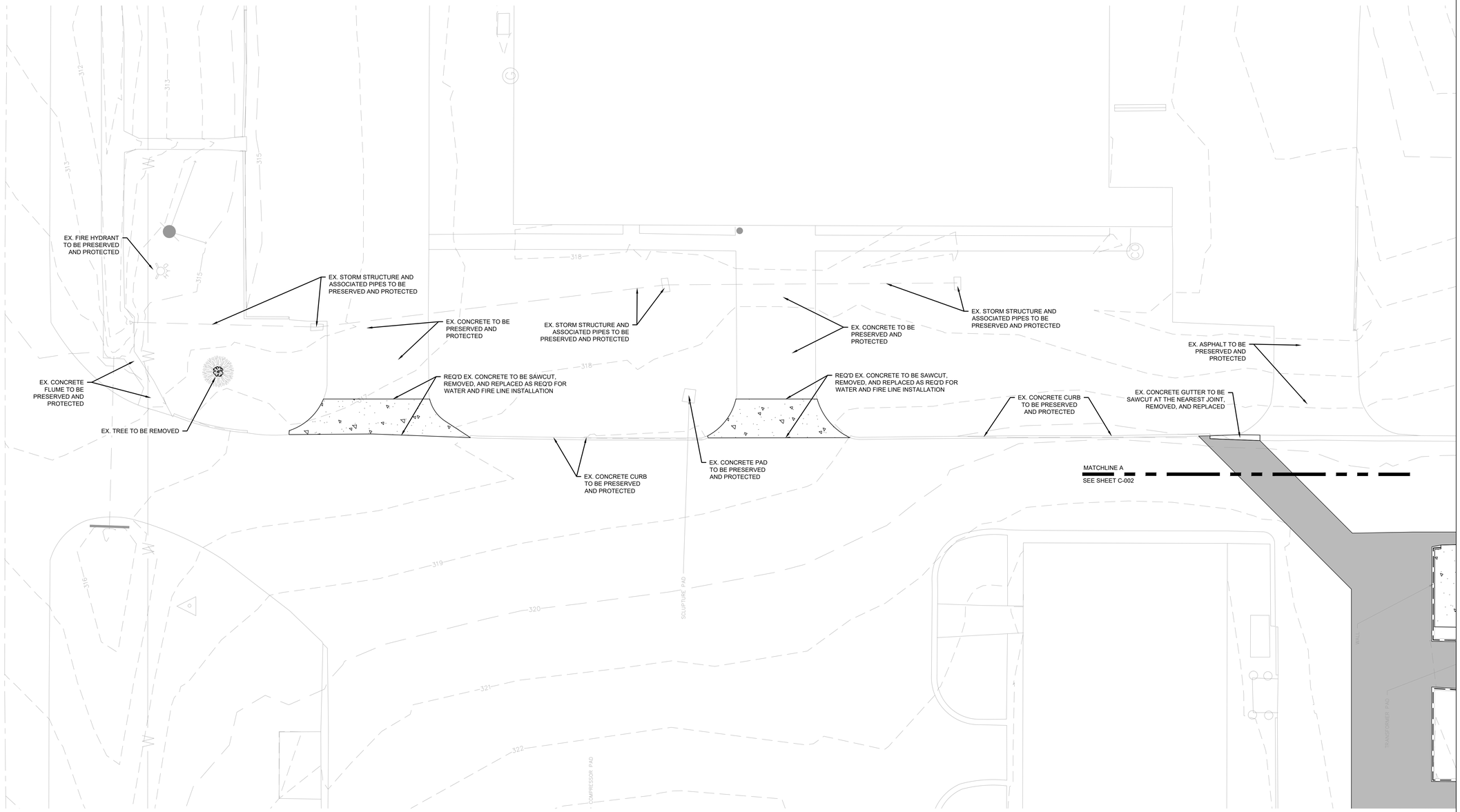
N

0 10' 20'

Scale: 1" = 10'

LEGEND

- EX. ASPHALT TO BE REMOVED
- EX. CONCRETE TO BE REMOVED
- EX. CURB TO BE REMOVED
- EX. WALL TO BE REMOVED
- EX. GAS METER TO BE REMOVED
- EX. TREE TO BE REMOVED



GMC

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BID SET	06/02/2026

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ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025 161 LBWCC
GMC # AMGM260016

STATE OF ALABAMA — No. 34072 — PROFESSIONAL ENGINEER — CORY L. HOPPER — 06/02/2026

EXISTING CONDITIONS AND DEMOLITION PLAN

C-003

sheet of

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PLOTTED: Jun 02, 2026 - 3:39pm

LEGEND

- ASPHALT PAVEMENT
- CONCRETE SIDEWALK
- HEAVY DUTY CONCRETE PAVEMENT
- GRAVEL AREA
- W — WATER LINE (SIZE AND TYPE AS NOTED)
- FIRE — FIRE LINE (SIZE AND TYPE AS NOTED)
- SS — SANITARY SEWER LINE (SIZE AND TYPE AS NOTED)

N

0 10' 20'

Scale: 1" = 10'

MATCHLINE A
SEE SHEET C-102

REQ'D 6" D.I. FIRE LINE
REQ'D 2.5" PVC DOMESTIC WATER LINE
REQ'D UTILITY PAVEMENT PATCH. TIE TO EX. ASPHALT TO BE FLUSH AND AT GRADE (SEE DETAILS)
REQ'D HEAVY DUTY CONCRETE PAVEMENT (SEE DETAILS)
REQ'D 24" VALLEY GUTTER (SEE DETAILS)
REQ'D 10' TRANSITION FROM 24" VALLEY GUTTER TO 24" CURB AND GUTTER (SEE DETAILS)
REQ'D GRAVEL (SEE DETAILS)
REQ'D 24" CURB AND GUTTER (SEE DETAILS)
REQ'D TIE TO EX. ASPHALT TO BE FLUSH AND AT GRADE
REQ'D DOMESTIC WATER AND FIRE LINE CONNECTION TO BUILDING (SEE P-DWGS FOR CONNECTION DETAILS)
REQ'D MECHANICAL UNITS (SEE M-DWGS FOR DETAILS)
APPROXIMATE LOCATION OF GAS METER. CONTRACTOR TO COORDINATE SERVICE INSTALLATION AND METER SET WITH LOCAL AHJ AND P-DWGS
REQ'D TRANSFORMER PAD (SEE E-DWGS FOR DETAILS)
REQ'D SCREEN WALLS (SEE A-DWGS FOR DETAILS)
REQ'D SCREEN FENCE AND GATE (SEE L-DWGS FOR DETAILS)
REQ'D CONCRETE SIDEWALK (SEE DETAILS)
REQ'D CONCRETE SIDEWALK. TIE TO EX. PAVEMENT TO BE FLUSH AND AT GRADE (SEE DETAILS)

PROPOSED BUILDING D RENOVATION
(SEE A-DRAWINGS FOR DETAILS, DOOR LOCATIONS, ETC.)
FFE=321.26

REQ'D TIE TO EX. CONCRETE TO BE FLUSH AND AT GRADE
REQ'D 6' CURB TRANSITION FROM 6"-0" (SEE DETAILS)
REQ'D ASPHALT PAVEMENT. TIE TO EX. ASPHALT TO BE FLUSH AND AT GRADE (SEE DETAILS)
REQ'D SANITARY SEWER LATERAL BUILDING CONNECTION (SEE P-DWGS FOR CONNECTION DETAILS)
REQ'D ADA ACCESSIBLE PARKING SPACES W/ SIGNAGE, STRIPING, AND WHEEL STOPS (SEE DETAILS)
REQ'D SANITARY SEWER LATERAL BUILDING CONNECTION (SEE P-DWGS FOR CONNECTION DETAILS)
REQ'D TAP INTO EX. SANITARY SEWER MAIN. CONTRACTOR TO FIELD VERIFY LOCATION, SIZE, AND DEPTH OF EX. SANITARY SEWER MAIN
REQ'D 4" DIP SANITARY SEWER LATERAL @ 2.00% MIN. W/ CLEANOUTS EVERY 75' O.C.
REQ'D STANDARD DUTY ASPHALT PAVEMENT (SEE DETAILS)
REQ'D HEAVY DUTY CONCRETE PAVEMENT (SEE DETAILS)
REQ'D CONCRETE RIBBON CURB (SEE DETAILS)
REQ'D CONCRETE SIDEWALK (MATCH WIDTH OF EX. SIDEWALK) (SEE DETAILS)
REQ'D TIE TO EX. SIDEWALK TO BE FLUSH AND AT GRADE
REQ'D TIE TO EX. PAVEMENT TO BE FLUSH AND AT GRADE
REQ'D SCREEN FENCE AND GATE (SEE L-DWGS FOR DETAILS)

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LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467
ACCS 2025161LBWCC
GMC # AMGM260016

SITE LAYOUT AND UTILITY PLAN

C-101
sheet of

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PLOTTED: Jun 02, 2026 - 9:06am

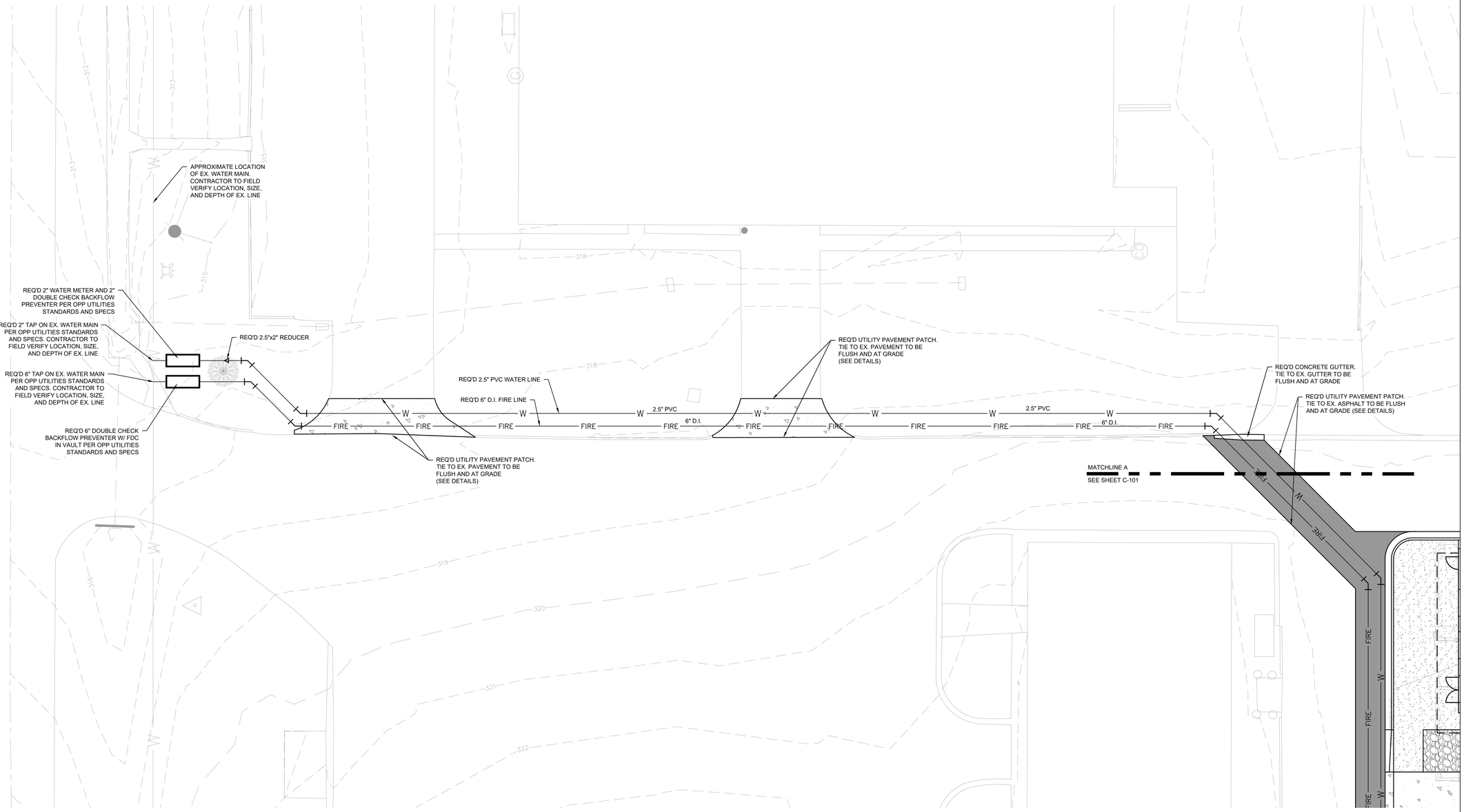
LEGEND

- ASPHALT PAVEMENT
- CONCRETE SIDEWALK
- HEAVY DUTY CONCRETE PAVEMENT
- GRAVEL AREA
- W — WATER LINE (SIZE AND TYPE AS NOTED)
- FIRE — FIRE LINE (SIZE AND TYPE AS NOTED)
- SS — SANITARY SEWER LINE (SIZE AND TYPE AS NOTED)

N

0 10' 20'

Scale: 1" = 10'



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LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025161.LBWCC
GMC # AMGM260016

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 34077 CORBET MICHAEL HUGHES

06/02/2026

SITE LAYOUT AND UTILITY PLAN

C-102
sheet of

DRAWING FILE: C:\Users\MichaelHughes\GDO\ACCDocs\GMCNetwork\ACBHMG50007 - LBW CC MIB Renovations\Project Files\0 DWG\C-101 Site Layout and Utility Plan.dwg
PLOTTED: Jun 02, 2026 - 4:34pm

DRAWING FILE: C:\Users\hgilbert\DC\ACCDocs\GMCNetwork\C8HM260017 - LBW CC MIB Renovations\Project Files\0 DWG\C-201 Grading Plan.dwg
PLOTTED: Jun 02, 2026 - 8:30am

PROPOSED BUILDING D RENOVATION
(SEE A-DRAWINGS FOR DETAILS, DOOR LOCATIONS, ETC.)
FFE=321.26

REGD TURN DOWN CONCRETE SLAB TO MEET PAVEMENT GRADE

MATCHLINE A
SEE SHEET C-202

Scale: 1" = 10'

LEGEND

- PROPOSED SPOT ELEVATION
- EXISTING SPOT ELEVATION
- FINISHED GRADE MAJOR CONTOUR LINE
- FINISHED GRADE MINOR CONTOUR LINE

GRADING PLAN

C-201
sheet of

ALABAMA LICENSED No. 38073 PROFESSIONAL ENGINEER CORBETT, ANDREW GRAHAM
06/02/2026

LBW CC - MIB WORKFORCE RENOVATIONS

ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025 161 LBWCC
GMC # AMGM260016

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(317.17)
(316.78)
(317.42)
(319.09)
(318.72)
(318.63)
(318.67)
(319.01)
(319.92)
(319.88)

MATCHLINE A
SEE SHEET C-201

Scale: 1" = 10'
0
10'
20'

N

LEGEND

- PROPOSED SPOT ELEVATION — X 620.40
- EXISTING SPOT ELEVATION — X (620.40)
- FINISHED GRADE MAJOR CONTOUR LINE — 620
- FINISHED GRADE MINOR CONTOUR LINE — 621

GRADING PLAN

C-202
sheet of

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 38073 CODEY ANDREW GIBSON
06/02/2026

LBW CC - MIB WORKFORCE RENOVATIONS

ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025 161 LBWCC
GMC # AMGM260016

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EROSION AND SEDIMENTATION CONTROL LEGEND

Site Preparation

CEP	Construction Exit Pad
LG	Land Grading
TSG	Top soiling

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

Stormwater Management

PP	Porous Pavement
SDB	Storm Water Detention Basin
TRE	Temporary Inlet Riser Extension

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

Stream Protection

BZ	Buffer Zone
CS	Channel Stabilization
SP	Stream bank Protection
TSC	Temporary Stream Crossing
BG	Baffle Grid

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 REGRADED AREAS NOT TO BE PAVED, SHALL BE SEEDED AND MULCHED ACCORDING TO A.L.D.O.T. PERMANENT SEEDING SCHEDULES.
3. 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.
4. 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.
5. 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
6. THE USE OF A PARTICULAR INLET PROTECTION METHOD SHALL BE APPROPRIATE FOR THE PHASE OF CONSTRUCTION.

N

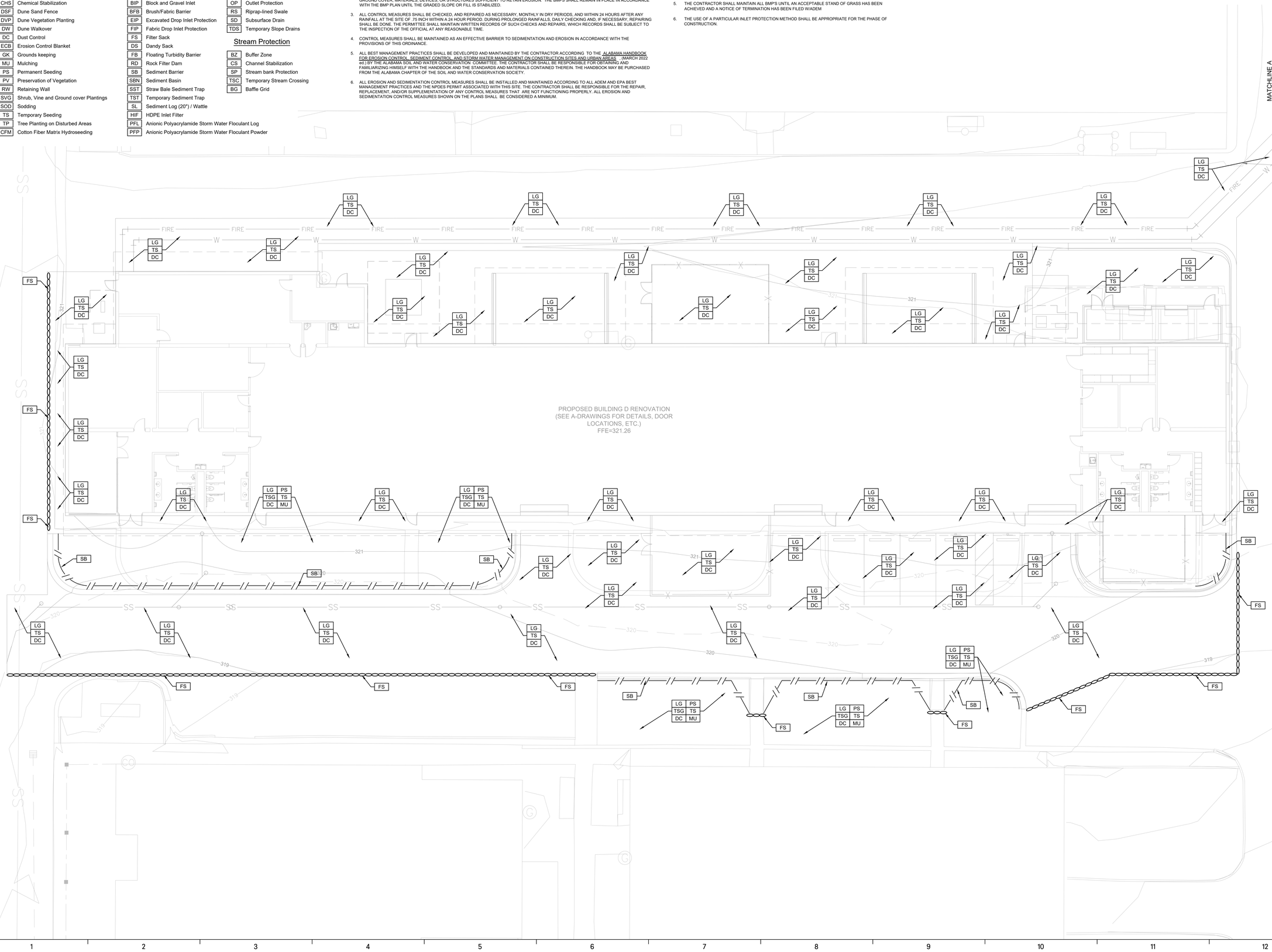
0 10' 20'

Scale: 1" = 10'

LEGEND

CLASS-A WIRE REINFORCED SILTFENCE

FILTER SACK



GMC

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LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

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EROSION CONTROL PLAN

C-601
sheet of

06/02/2026

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PLOTTED: Jun 02, 2026 by hgilbert

EROSION AND SEDIMENTATION CONTROL LEGEND

Site Preparation

CEP	Construction Exit Pad
LG	Land Grading
TSG	Top soiling

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

Stormwater Management

PP	Porous Pavement
SDB	Storm Water Detention Basin
TRE	Temporary Inlet Riser Extension

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

Stream Protection

BZ	Buffer Zone
CS	Channel Stabilization
SP	Stream bank Protection
TSC	Temporary Stream Crossing
BG	Baffle Grid

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 REGRADED AREAS NOT TO BE PAVED, SHALL BE SEEDED AND MULCHED ACCORDING TO A.L.D.O.T. PERMANENT SEEDING SCHEDULES.
3. 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.
4. 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.
5. 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
6. THE USE OF A PARTICULAR INLET PROTECTION METHOD SHALL BE APPROPRIATE FOR THE PHASE OF CONSTRUCTION.

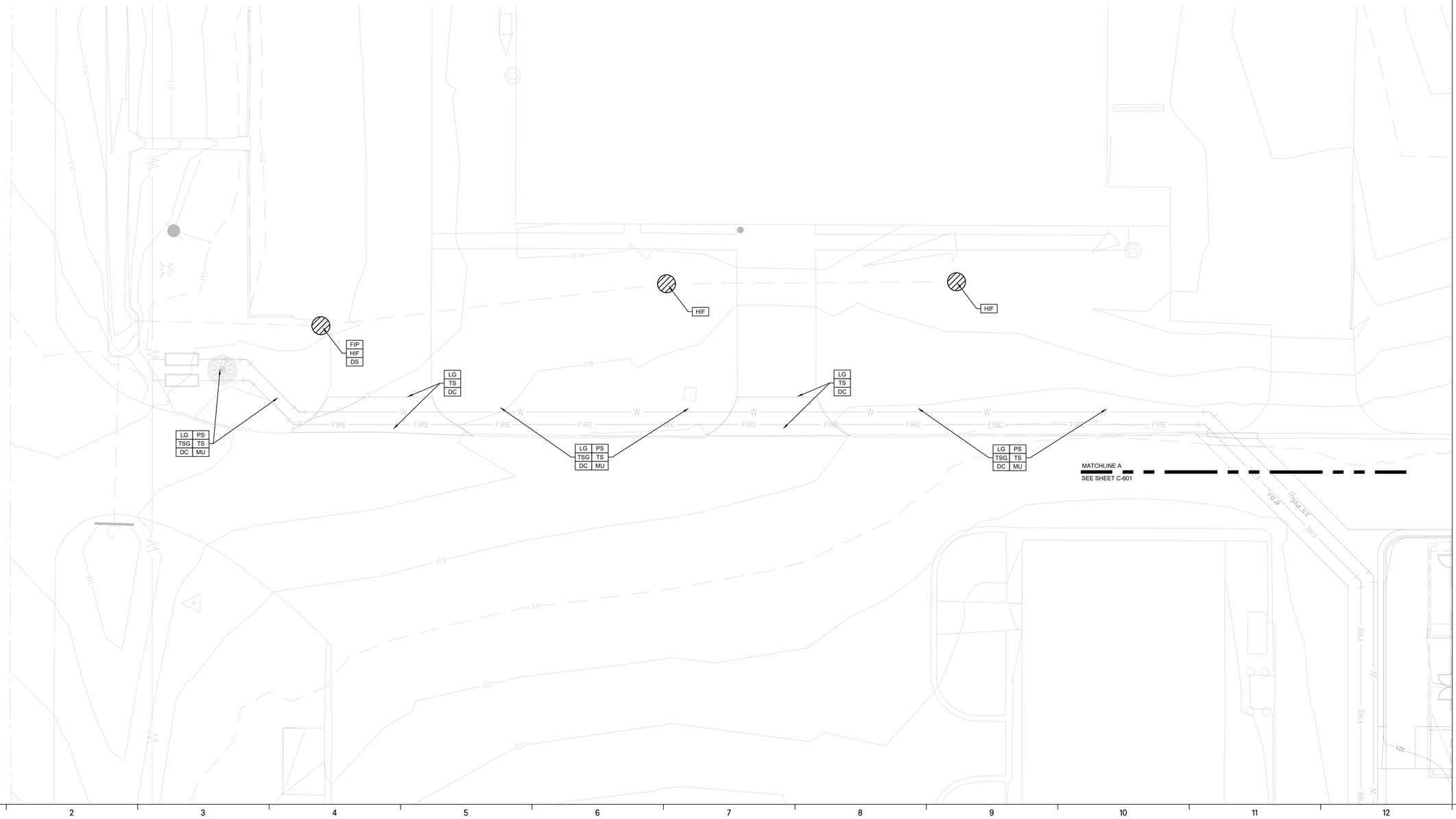
N

0 10' 20'

Scale: 1" = 10'

LEGEND

- CLASS-A WIRE REINFORCED SILTFENCE
- FILTER SACK
- INLET PROTECTION



GMC

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

ISSUE	DATE
BID SET	06/02/2026

DRAWN BY:
CHECKED BY:

LBW CC - MIB WORKFORCE RENOVATIONS
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467

ACCS 2025161LBWCC
GMC # AMGM260016

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 34075 REGISTERED PROFESSIONAL ENGINEER CORY J. ROGERS

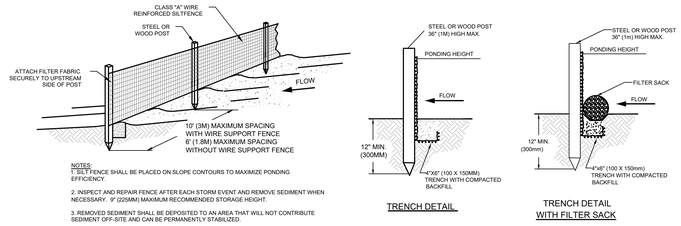
06/02/2026

EROSION CONTROL PLAN

C-602

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PLOTTED: Jun 02, 2026 - 9:06am



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" (229MM) 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.

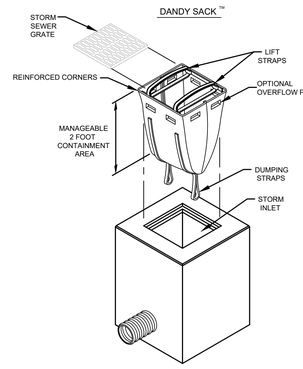
TRENCH DETAIL

TRENCH DETAIL
WITH FILTER SACK

SILT FENCE DETAIL
N.T.S.

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)

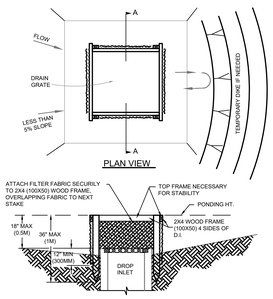
Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.78 (400) x 1.40 (315)
Grab Tensile Elongation	ASTM D 4632	%	15 x 15
Puncture Strength	ASTM D 4833	kN (lbs)	0.67 (150)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	5506 (800)
Trapezoid Tear Strength	ASTM D 4533	kN (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/m² (gal/min/ft²)	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/m² (gal/min/ft²)	5907 (145)
Permittivity	ASTM D 4491	Sec⁻¹	2.1

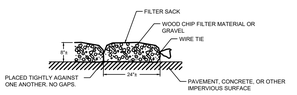
*Note: All Dandy Sacks™ can be ordered with our optional oil absorbent pillows

DANDY SACK INLET PROTECTION
N.T.S.



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.

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

ISSUE	DATE
BID SET	06/02/2026

DRAWN BY:
CHECKED BY:

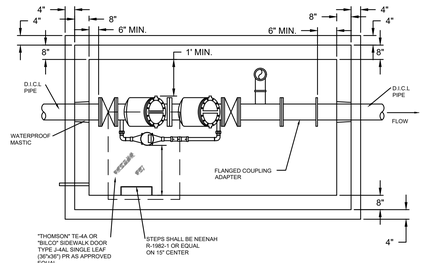
LBW CC - MIB WORKFORCE RENOVATIONS
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467
ACCS 2025 161 LBWCC
GMC # AMGM260016



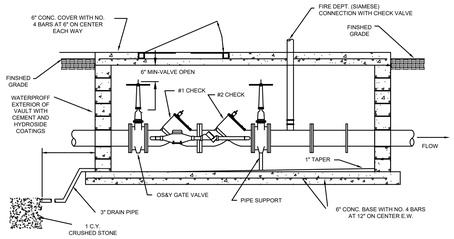
EROSION CONTROL DETAILS

C-901
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PLOTTED: Jun 02, 2026 @ 02:29pm by kgilbert



SECTION PLAN



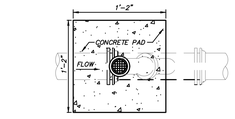
SECTION ELEVATION

NOTES:
1. DETECTOR DOUBLE CHECK VALVE ASSEMBLY MUST BE APPROVED AND MEET THE LASTEST STANDARDS OF A.S.S.E. STD. NO. 1043, AWWA STD. NO. C-51069. FM, UL CLASSIFIED, AND TESTED AND CERTIFIED.

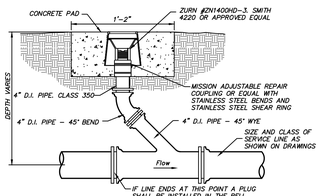
2. NO VALVES SHALL BE ON BY-PASS PIPEING ASSEMBLY THAT WOULD PROHIBIT FLOW THROUGH THE 1/8" METER.

3. 1/4" METER ON BY-PASS ASSEMBLY MUST READ IN CUBIC FEET.

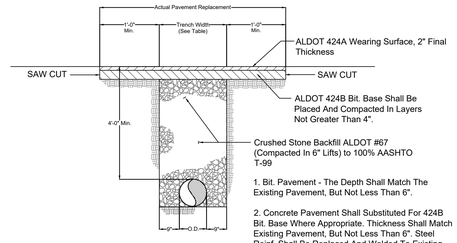
DOUBLE CHECK/DETECTOR CHECK DETAIL INSTALLATION
N.T.S.



PLAN



TYPICAL GRAVITY SEWER CLEANOUT
N.T.S.

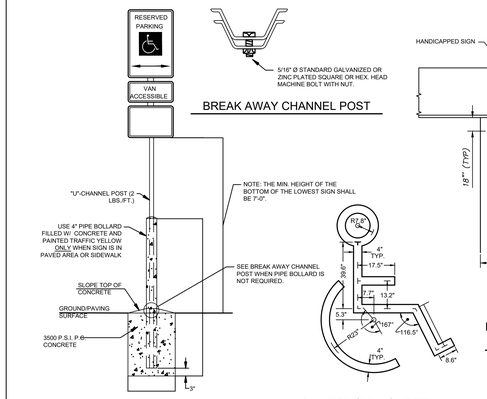


1. Bit. Pavement - The Depth Shall Match The Existing Pavement, But Not Less Than 6".

2. Concrete Pavement Shall Substituted For 424B Bit. Base Where Appropriate. Thickness Shall Match Existing Pavement, But Not Less Than 6". Steel Reinf. Shall Be Replaced And Welded To Existing.

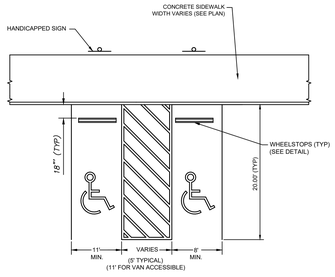
PAVEMENT PATCH DETAIL
N.T.S.

Trench Width Table For Pavement & Crushed Stone Backfill			
Pipe Size	Depth < 6'	6' < Depth < 12'	12' < Depth
3"Ø	2.4'	4.4'	6.4'
4"Ø	2.4'	4.4'	6.4'
6"Ø	2.6'	4.6'	6.6'
8"Ø	2.7'	4.7'	6.7'
10"Ø	2.9'	4.9'	6.9'
12"Ø	3.1'	5.1'	7.1'
14"Ø	3.3'	5.3'	7.3'
16"Ø	3.4'	5.4'	7.4'
18"Ø	3.6'	5.6'	7.6'
20"Ø	3.8'	5.8'	7.8'
24"Ø	4.1'	6.1'	8.1'



BREAK AWAY CHANNEL POST

PAINTED SYMBOL DETAIL

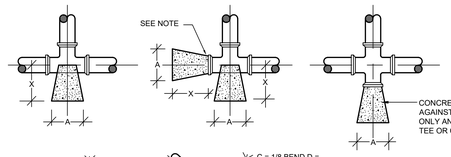


NOTE:
SEE SPECS FOR PAINT COLOR AND MATERIAL REQUIREMENTS.

PLAN VIEW W/ FLUSH ASPHALT/SIDEWALK

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.



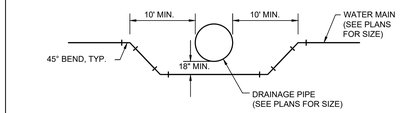
NOTE:
ALL BENDS, TEES, WYES AND PLUGS TO HAVE STANDARD BLOCKING AS PER SCHEDULE AND DETAIL DIMENSION "X" TO BE A MINIMUM ON

BEARING AGAINST UNDISTRUBED TRENCH WALL.

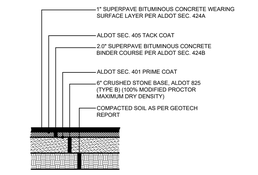
ONE (1) FOOT, BUT TO BE INCREASED WHERE NECESSARY TO PROVIDE

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"

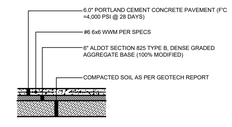
THRUST BLOCK SCHEDULE
N.T.S.



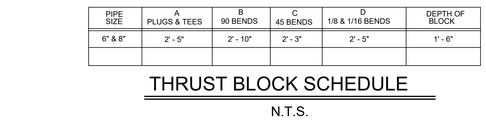
CONFLICT DETAIL
N.T.S.



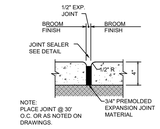
TYPICAL SECTION STANDARD DUTY ASPHALT PAVEMENT
N.T.S.



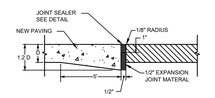
TYPICAL SECTION HEAVY DUTY CONCRETE PAVEMENT
N.T.S.



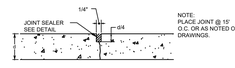
TYPICAL GRAVEL SECTION
NTS



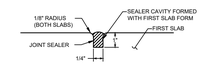
EXPANSION JOINT DETAIL
N.T.S.



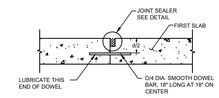
CONCRETE/ASPHALT INTERFACE DETAIL
N.T.S.



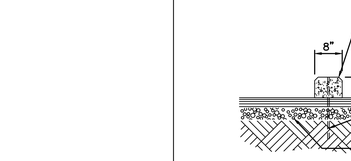
SAWED CONTROL JOINT
N.T.S.



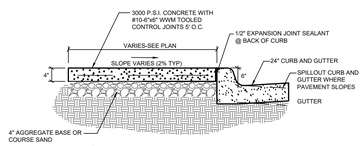
JOINT SEALER DETAIL



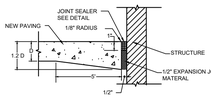
LONGITUDINAL CONSTRUCTION JOINT (AND AT END OF A DAY'S WORK)
N.T.S.



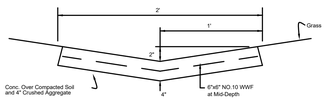
WHEEL STOP DETAIL
N.T.S.



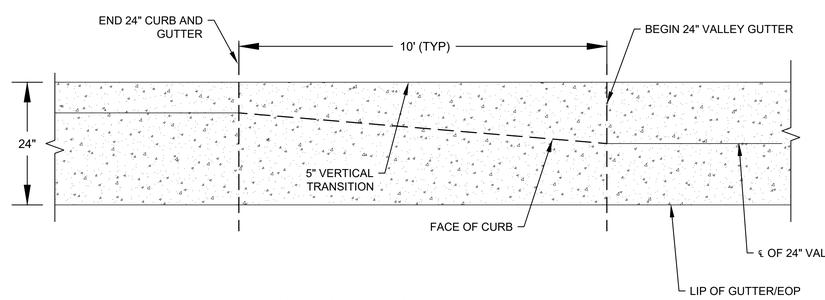
SIDEWALK DETAIL
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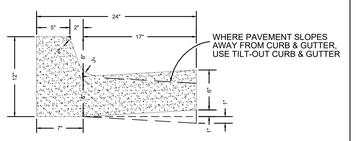
EDGE OF STRUCTURE DETAIL
N.T.S.



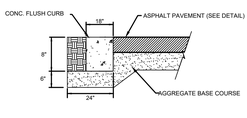
24" VALLEY GUTTER DETAIL
N.T.S.



24" CURB TRANSITION TO 24" VALLEY GUTTER
N.T.S.



STANDARD 24" CURB & GUTTER DETAIL
N.T.S.



18" RIBBON CURB SECTION
N.T.S.

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

ISSUE DATE
BID SET 06/02/2026

DRAWN BY:
CHECKED BY:

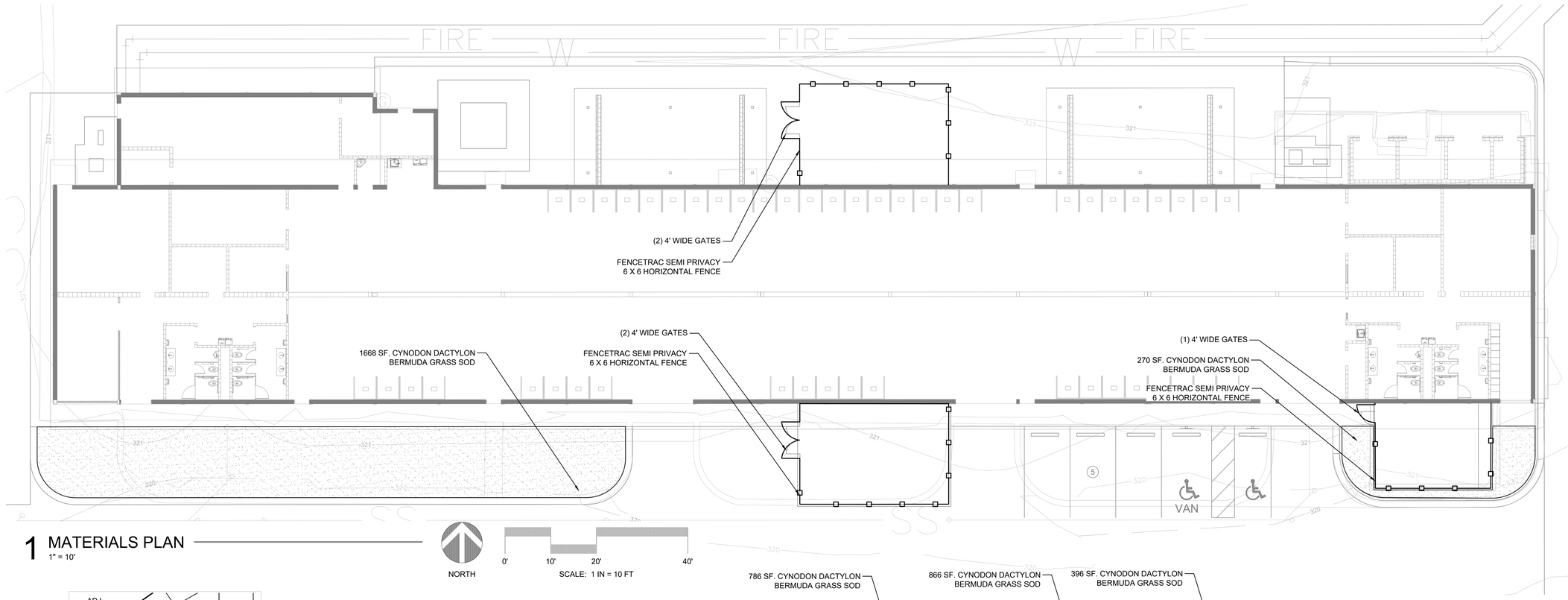
LBW CC - MIB WORKFORCE RENOVATIONS
ALABAMA COMMUNITY COLLEGE SYSTEM,
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 N MAIN ST. OPP, AL 36467
ACCS 2025161LBWCC
GMC # AMGM250016



SITE & UTILITY DETAILS

C-902
sheet of

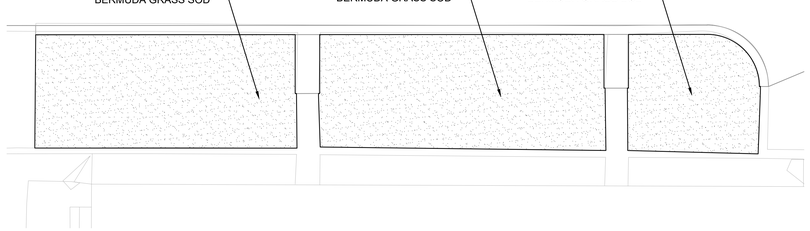
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PLOTTED: Jun 02, 2026 - 10:58am

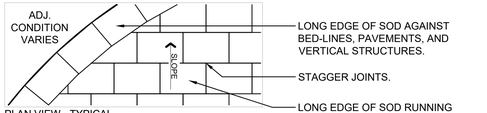


1 MATERIALS PLAN
1" = 10'

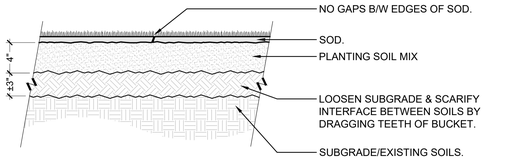
NORTH

SCALE: 1 IN = 10 FT





PLAN VIEW - TYPICAL
CONDITIONS
N.T.S.



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

PLANT INSTALLATION NOTES

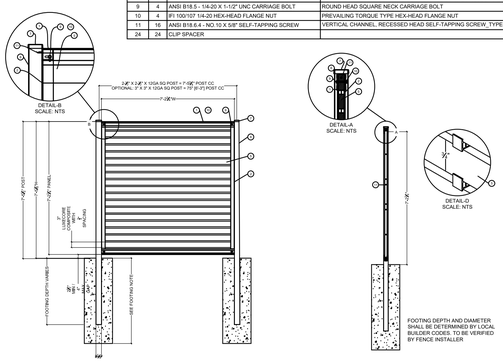
1. PLANT NAMES MAY BE ABBREVIATED ON DRAWINGS. REFER TO PLANT SCHEDULE FOR ABBREVIATIONS, BOTANICAL & COMMON NAMES, SIZES, ESTIMATED QUANTITIES AND OTHER REMARKS.
2. CONTRACTOR SHALL VERIFY THE TOTAL QUANTITIES INDICATED IN THE PLANT LIST WITH THE QUANTITIES SHOWN ON THE PLAN. CONTRACTOR SHALL PROVIDE QUANTITIES REQUIRED TO COMPLETE PROPOSED PLANTING AS INDICATED ON THE PLAN.
3. ANY & ALL PLANT SUBSTITUTIONS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PURCHASE & INSTALLATION.
4. 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. 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.

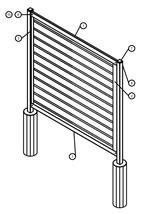
PLANTING SOIL & PREPARATION NOTES

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.

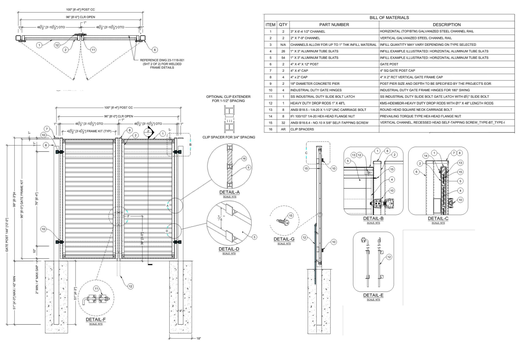
BILL OF MATERIALS			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	3" X 6'-0" CHANNEL	HORIZONTAL (TOP/BTM) GALVANIZED STEEL CHANNEL RAIL
2	2	3" X 6'-0" CHANNEL	VERTICAL GALVANIZED STEEL CHANNEL RAIL
3	N/A	CHANNELS ALLOW FOR UP TO 1" THK INFILL MATERIAL	INFILL QUANTITY MAY VARY DEPENDING ON TYPE SELECTED
5	26	1" X 3" X 6'-0" ALUMINUM SLATS	ALUMINUM SLATS
6	2	3" X 3" X 12GA, 11'-0" POST	STANDARD FENCE POST / OPTIONAL COMMERCIAL USE POST: 3" X 3" X 12 GA, 11'-0"L
7	2	3" X 3" CAP	2-1/2" SQ POST CAP STANDARD / OPTIONAL COMMERCIAL USE POST CAP: 3" SQ
8	2	8" DIAMETER CONCRETE PIER	POST PIER SIZE AND DEPTH TO BE SPECIFIED BY THE PROJECT'S EOR
9	4	ANSI B18.5 - 1/4-20 X 1-1/2" UNC CARRIAGE BOLT	ROUND HEAD SQUARE NECK CARRIAGE BOLT
10	4	IFI 100/107 1/4-20 HEX-HEAD FLANGE NUT	PREVAILING TORQUE TYPE HEX-HEAD FLANGE NUT
11	16	ANSI B18.6.4 - NO.10 X 5/8" SELF-TAPPING SCREW	VERTICAL CHANNEL, RECESSED HEAD SELF-TAPPING SCREW_TYPE-BT_TYPE-I
24	24	CLIP SPACER	

ABBREVIATIONS	
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
CC	CENTER TO CENTER
EOR	ENGINEER OF RECORD
GA	GAUGE
H	HEIGHT
IFI	INDUSTRIAL FASTENER INSTITUTE
L	LENGTH
MAX	MAXIMUM
MIN	MINIMUM
NTS	NOT TO SCALE / DO NOT SCALE
SQ	SQUARE
THK	THICK / THICKNESS
TYP	TYPICAL
UNC	UNIFIED COURSE THREAD
W	WIDTH





3 FENCETRAC SEMI PRIVATE FENCE
NTS



BILL OF MATERIALS			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	3" X 6'-0" CHANNEL	HORIZONTAL (TOP/BTM) GALVANIZED STEEL CHANNEL RAIL
2	2	3" X 6'-0" CHANNEL	VERTICAL GALVANIZED STEEL CHANNEL RAIL
3	N/A	CHANNELS ALLOW FOR UP TO 1" THK INFILL MATERIAL	INFILL QUANTITY MAY VARY DEPENDING ON TYPE SELECTED
4	20	1" X 3" ALUMINUM TUBE SLATS	INFILL EXAMPLE ILLUSTRATED: HORIZONTAL ALUMINUM TUBE SLATS
5	64	1" X 3" ALUMINUM TUBE SLATS	INFILL EXAMPLE ILLUSTRATED: HORIZONTAL ALUMINUM TUBE SLATS
6	2	3" X 4" X 12" POST	GATE POST
7	2	3" X 3" CAP	3" SQ GATE POST CAP
8	2	3" X 3" CAP	3" SQ GATE POST / GATE FRAME CAP
9	2	24" DIAMETER CONCRETE PIER	POST PIER SIZE AND DEPTH TO BE SPECIFIED BY THE PROJECT'S EOR
10	4	INDUSTRIAL DUTY GATE HINGES	INDUSTRIAL DUTY GATE FRAME HINGES FOR 180° SWING
11	1	SS INDUSTRIAL DUTY SLIDE BOLT LATCH	SS INDUSTRIAL DUTY SLIDE BOLT GATE LATCH WITH BOTTOM SLIDE BOLT
12	1	HEAVY DUTY DROP RODS 1" X 4'FL	KING-HEMBERGH HEAVY DUTY DROP RODS WITH 0" 4 48" LENGTH RODS
13	2	ANSI B18.6 - 1/4-20 X 1-1/2" UNC CARRIAGE BOLT	ROUND HEAD SQUARE NECK CARRIAGE BOLT
14	8	IFI 100/107 1/4-20 HEX-HEAD FLANGE NUT	PREVAILING TORQUE TYPE HEX-HEAD FLANGE NUT
15	32	ANSI B18.6.4 - NO.10 X 5/8" SELF-TAPPING SCREW	VERTICAL CHANNEL, RECESSED HEAD SELF-TAPPING SCREW_TYPE-BT_TYPE-I
16	AR	CLIP SPACERS	

4 FENCE TRAC GATE
NTS

GMC
2400 5th Ave S. Suite 200
Birmingham, AL 35233
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ISSUE	DATE
BID SET	06/02/2026

DRAWN BY: JRI
CHECKED BY: PR

LBW CC MIB WORKFORCE RENOVATIONS
ALABAMA COMMUNITY COLLEGE SYSTEM
LURLEEN B. WALLACE COMMUNITY COLLEGE
1708 MAIN ST. OPP., AL. 36467

ACCS 2025 161 LBWCC
GMC Project #: LBHM260012

STATE OF ALABAMA
PATRICK ELIAS RITCHEY
NUMBER 955
REGISTERED LANDSCAPE ARCHITECT

MATERIALS PLAN AND DETAILS

L1.01