

HOUSTON COUNTY DHR

HOUSTON COUNTY PUBLIC BUILDING AUTHORITY

GOODWYN MILLS CAWOOD, LLC	ARCHITECTURE, INTERIORS, CIVIL, LANDSCAPE
TUCKER JONES ENGINEERS ASSOCIATED, P.C.	STRUCTURAL ENGINEERING
ENFRA SOLUTIONS	MECHANICAL & PLUMBING ENGINEERING
JACKSON RENFRO & ASSOCIATES, INC.	ELECTRICAL ENGINEERING

GMC

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

ISSUE | DATE
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HOUSTON COUNTY DHR
172 Prevatt Rd
Dothan, Alabama 36301
GMC # ABHM250019

STATE OF ALABAMA
6544
JACQUELYN D. HART
REGISTERED ARCHITECT

TITLE SHEET

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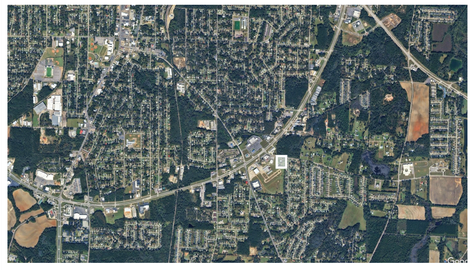
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VICINITY MAP



TRUE NORTH

LOCATION MAP



TRUE NORTH

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GENERAL NOTES

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 CONTRACTORS FAILURE TO COORDINATE BETWEEN MULTIPLE DISCIPLINES, SYSTEMS OR EQUIPMENT. UNCOORDINATED WORK THAT RESULTS IN THE INEFFICIENT USE OF AVAILABLE SPACE AND/OR ENCROACHES ON THE WORK OF OTHER TRADES WILL BE SUBJECT TO REJECTION AND RE-INSTALLATION.

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 TYPES5:** THE PROPOSED BUILDING STRUCTURE IS NON-COMBUSTIBLE IN ACCORDANCE WITH APPLICABLE CODES, AND THEREFORE REQUIRES NON-COMBUSTIBLE CONSTRUCTION TECHNIQUES. ALL NEW CONSTRUCTION SHALL BE IN COMPLIANCE WITH APPLICABLE REQUIREMENTS, INCLUDING WOOD BLOCKING, FURRING, FRAMING, SHEATHING, BACK-BOARDS, AND RELATED WORK. FIRE RETARDANT TREATED [FRT] IS PERMITTED WHERE ALLOWED BY CODE. SEE CODE COMPLIANCE DRAWINGS FOR DETAILED INFORMATION AND REQUIREMENTS.

1.11. **TEMPORARY GUARDS:** THE GENERAL CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY GUARDS AT ALL SLAB EDGES, PIT EDGES, ELEVATED PLATFORM EDGES, AND SIMILAR CONDITIONS WHERE REQUIRED BY OSHA, ANY APPLICABLE CODE OR ORDINANCE, AND AT MINIMUM ALL CHANGES IN ELEVATION IN EXCESS OF THIRTY INCHES (30") INCLUDING BOTH SIDES OF STAIRS AND LADDERS. TEMPORARY GUARDS MUST BE MAINTAINED UNTIL THE PERMANENT GUARDS ARE INSTALLED.

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

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

1.14. **CONSTRUCTION LOADS:** THE GENERAL CONTRACTOR SHALL NEVER LOAD NEW OR EXISTING CONSTRUCTION BEYOND ITS DESIGN CAPACITY WITH STORED MATERIAL, CONSTRUCTION EQUIPMENT, TEMPORARY LOADS ASSOCIATED WITH MATERIAL MOVEMENT, HOISTING, STORAGE, OR SIMILAR CONDITIONS.

1.15. **GENERAL CLEAN-UP:** THE GENERAL CONTRACTOR SHALL INCLUDE ONGOING CLEAN-UP OF THE PROPERTY AND BUILDING, INCLUDING REMOVAL OF TRASH AND WASTE MATERIALS, ON A REGULAR BASIS DURING CONSTRUCTION. RECYCLING OF CONSTRUCTION WASTE IS ENCOURAGED.

1.16. **OWNER FURNISHED EQUIPMENT:** LOOSE FURNISHINGS, WORKSTATIONS, OFFICE EQUIPMENT, COPIERS, VENDING MACHINES, KITCHEN EQUIPMENT, AND SIMILAR ITEMS THAT ARE BOTH LABELED "OWNER FURNISHED" OR "OF/OI", AND SHOWN DASHED OR IN GRAY-TONE SHALL BE CONSIDERED OWNER-FURNISHED EQUIPMENT. OWNER-FURNISHED EQUIPMENT IS SHOWN FOR THE GENERAL CONTRACTOR'S KNOWLEDGE AND UNDERSTANDING TO FACILITATE COORDINATION WITH THE OWNER'S WORK. THE GENERAL CONTRACTOR SHALL CAREFULLY REVIEW THE SCOPE OF WORK, AND REQUEST CLARIFICATION FROM THE ARCHITECT IN THE EVENT OF ANY UNCERTAINTY ABOUT THE DEFINITION OF OWNER FURNISHED WORK.

1.17. **TEMPORARY BRACING:** PRIOR TO REMOVAL OF ANY EXISTING STRUCTURAL ELEMENTS, THE GENERAL CONTRACTOR SHALL TEMPORARILY SHORE AND/OR BRACE EXISTING CONSTRUCTION TO REMAIN AS REQUIRED TO SUPPORT EXISTING LOADS AND/OR LOADS IMPOSED DURING CONSTRUCTION. FURTHER, THE GENERAL CONTRACTOR SHALL DESIGN, INSTALL AND MAINTAIN ANY TEMPORARY BRACING OR SUPPORT FRAMING REQUIRED TO SUPPORT NEW CONSTRUCTION COMPONENTS WHICH ARE NOT FULLY SECURED IN A COMPLETE STRUCTURAL ASSEMBLY, OR ARE OTHERWISE SUBJECTED TO LOADS IN EXCESS OF THE POST-CONSTRUCTION LOADS FOR WHICH THE ELEMENT IS DESIGNED.

B DIVISION 2 - EXISTING CONDITIONS

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

2.02. **SITE PAVING EXPANSION AND CONTROL JOINTS:** WHETHER SPECIFICALLY INDICATED OR NOT, PROVIDE CONTROL JOINTS IN ALL SITE CONCRETE PAVING FOR PEDESTRIAN TRAFFIC AT AN INTERVAL OF NO MORE THAN FIVE FEET (5') EACH WAY. IN ADDITION, PROVIDE CONTROL JOINTS AT NO MORE THAN THIRTY FOOT (30') INTERVAL, EACH WAY. ALL EXPANSION JOINTS, INCLUDING THOSE BETWEEN HORIZONTAL PAVING AND VERTICAL ABUTMENTS, SHALL RECEIVE SPECIFIED JOINT FILLER, AS SPECIFIED IN SECTION 079000.

C DIVISION 3 - CONCRETE

3.01. **SLAB-ON-GRADE:** SEE SPECIFICATION SECTION 033000 FOR DETAILED REQUIREMENTS OF SLAB-ON-GRADE CONSTRUCTION, INCLUDING REQUIREMENTS FOR REINFORCING, CONCRETE ADMIXTURES, VAPOR BARRIER, AND SURFACE TREATMENTS [IF ANY]. ALL SLAB-ON-GRADE CONSTRUCTION SHALL BE INSTALLED OVER MINIMUM FOUR INCH (4") THICK COMPACTED POROUS DRAINAGE LAYER UNLESS NOTED OTHERWISE.

3.02. **SLAB EXPANSION AND CONTROL JOINTS:** SEE STRUCTURAL DRAWINGS FOR REQUIRED SLAB EXPANSION AND CONTROL JOINTS. ALL EXPANSION JOINTS AND CONTROL JOINTS IN FLOOR SLABS, AND BETWEEN FLOOR SLABS AND VERTICAL ABUTMENTS SHALL RECEIVE TRAFFIC BEARING SEALANT JOINT MATERIAL.

3.03. **CORE DRILLING - FLOOR SLABS:** THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF THE LOCATION AND DIMENSION OF ANY PROPOSED CORES THROUGH STRUCTURAL FLOOR SLABS, PRIOR TO COMMENCING CORING ACTIVITIES. CORE DRILLING IS STRICTLY PROHIBITED (SLEEVES ONLY) IN ANY POST-TENSIONED STRUCTURED FLOOR SLAB ASSEMBLIES.

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. **FIRE 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. LABELS SHALL BE RAISED OR EMBOSSED ON METAL LABELS OR STAMPED INTO METAL FRAMES. PLASTIC OR PAPER LABELS ARE UNACCEPTABLE. THE LABEL MUST BE VISIBLE AND LEGIBLE AT ALL TIMES AND SHALL NOT BE PAINTED. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL REQUIRE PAINTER TO REIMBURSE OWNER FOR COSTS OF RE-LABELING RATED DOORS AND FRAMES. 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.

8.02. **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.

8.03. **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.

8.04. **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.

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 (TCA) 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 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) FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIERS SHALL BE PERMANENTLY LABELED IN RED STENCILED LETTERING ABOVE FINISHED CEILING AT 1'-0" ABOVE CEILING AND/OR IN ACCORDANCE WITH LOCAL JURISDICTION.

J DIVISION 10 - SPECIALTIES

10.01. **SPECIALTIES GENERAL:** WHEN APPLICABLE TO THE PROJECT, OWNER WILL AWARD AND WILL ASSIGN TO THE GENERAL CONTRACTOR THE CONTRACT FOR CERTAIN SPECIALTY ITEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROCURING, SCHEDULING, AND COORDINATING THE INSTALLATION OF WORK INSTALLED UNDER THESE CONTRACTS. THE COST OF ASSIGNED CONTRACTS SHALL BE INCLUDED AS PART OF THE WORK OF THIS CONTRACT. SEE SPECIFICATION SECTION 01 1000 - "SUMMARY"; PARA. "1.07 WORK UNDER SEPARATE CONTRACTS"

10.02. **SPECIALTY CONTRACTS:** THE FOLLOWING SPECIALTY CONTRACTS WILL BE ASSIGNED TO THE GENERAL CONTRACTOR:
(A) INTERIOR AND EXTERIOR SIGNAGE PACKAGE.
(B) ROLLER WINDOW SHADE AND CUBICLE CURTAIN PACKAGE.

K DIVISION 11 - EQUIPMENT

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

11.02. **MEDICAL EQUIPMENT, GENERAL:** MEDICAL EQUIPMENT PLANNED FOR THIS FACILITY REQUIRING ELECTRICAL, PLUMBING, OR HVAC SERVICES IS AS SCHEDULED ON THE EQUIPMENT PLAN DRAWING AND/OR BOUND EQUIPMENT MANUAL. GENERAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THESE REQUIREMENTS AND INCLUDE ALL WORK NECESSARY FOR A COMPLETE INSTALLATION.

11.03. **MEDICAL EQUIPMENT VENDOR DRAWINGS:** WHEN APPLICABLE, VENDOR'S SITE-SPECIFIC INSTALLATION DRAWINGS WILL BE PROVIDED TO THE CONTRACTOR FOR INFORMATION (e.g. X-RAY, CT, MRI, OR SIMILAR MAJOR ITEMS). EQUIPMENT INSTALLATION WILL BE BY THE RESPECTIVE VENDOR/S HOWEVER, THESE DRAWINGS ASSIGN RESPONSIBILITY TO GENERAL, AND OTHER CONTRACTOR/S, FOR WORK REQUIRED FOR A COMPLETE INSTALLATION THAT IS NOT PERFORMED BY THE VENDOR. GENERAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THESE RESPONSIBILITIES AND INCLUDE ALL WORK NECESSARY FOR A COMPLETE INSTALLATION.

L DIVISION 12 - FURNISHINGS

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

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

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

M DIVISION 13 - SPECIAL CONSTRUCTION

13.01. **RF (RADIO-FREQUENCY) SHIELDED ENCLOSURES:** WHEN MRI ROOM RF ENCLOSURE/S ARE APPLICABLE TO THE PROJECT, OWNER WILL AWARD AND WILL ASSIGN TO THE GENERAL CONTRACTOR THE CONTRACT FOR THE RF SHIELDED ENCLOSURE/S. 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.

13.02. **LEAD SHIELDING REQUIREMENTS:** SEE SPECIFICATION SECTION 134900 "RADIATION PROTECTION" FOR LEAD SHIELDING REQUIREMENTS AT X-RAY DIAGNOSTIC ROOMS.
(A) ALL RADIATION PROTECTION WORK MUST BE INSTALLED IN STRICT CONFORMANCE WITH PHYSICIST'S REPORTS PROVIDED BY THE OWNER. IF AT THE TIME OF BIDDING SAID REPORT/S ARE NOT AVAILABLE, CONTRACTOR SHALL ASSUME THAT ALL LEAD SHIELDING WILL BE THE EQUIVALENT OF 1/16" (1.5MM) THICK FOR BIDDING PURPOSES.
(B) UPON COMPLETION OF RADIATION PROTECTION WORK, ALL X-RAY DIAGNOSTIC ROOMS WILL BE SUBJECT TO AN OWNER-COMMISSIONED SHIELDING INTEGRITY SURVEY TO CONFIRM THAT THE SHIELDING WAS INSTALLED ACCORDING TO PLAN AND THAT X-RAYS ARE BEING CONTAINED WITHIN THE ROOM BY THE SHIELDING.
(C) SHOULD SHIELDING FAILURES OCCUR DURING THE INTEGRITY SURVEY, CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY BREACHES IN THE LEAD SHIELDING SYSTEM. ANY REPAIRS TO WALL, FLOOR , OR CEILING FINISHES AS MAY BE REQUIRED BY THIS REMEDIAL WORK SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST.

N DIVISION 14 - CONVEYING SYSTEMS

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

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

14.03. **STRUCTURAL CMU WALL COORDINATION:** COORDINATE ALL REQUIRED ELEVATOR SHAFT WALL PENETRATIONS, EMBED LOCATIONS, SPECIAL HOISTWAY INFILL BRACKETS (IF REQUIRED FOR INSTALLATION IN SHAFT PROVIDED), ROUGH OPENINGS FOR DOORS, ETC. WITH SELECTED ELEVATOR MANUFACTURER.

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

O DIVISION 21 - FIRE SUPPRESSION

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

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

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

P DIVISION 22 - PLUMBING

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

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

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

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

Q DIVISION 23 - HVAC

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

R DIVISION 26 - ELECTRICAL

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

ABBREVIATIONS

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

ANNOTATION SYMBOLS

ROOM NAME
101
ROOM REFERENCE SYMBOL

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 MARK SYMBOL:
677.52 - ELEVATION (FT)

1 / A1.01
EXTERIOR ELEVATION SYMBOL:
ELEVATION 1 ON SHEET A101

3 / A1.01
INTERIOR ELEVATION SYMBOL:
INTERIOR ELEVATION 3 ON SHEET A101

FF&E:
BY OTHERS

REVISION SYMBOL:
USED TO INDICATE SCOPE OF CURRENT REVISION

101
A
DOOR SYMBOL:
DOOR NUMBER 101
DOOR TYPE A
(SEE DOOR SCHEDULE AND FLOOR PLANS)

W1
WINDOW SYMBOL:
WINDOW TYPE A
(SEE EXTERIOR ELEVATIONS AND WINDOW SCHEDULE)

L1
LOUVER SYMBOL:
LOUVER TYPE L1
(SEE LOUVER SCHEDULE)

OG
WALL SYMBOL:
WALL TYPE OG
(SEE PARTITION LEGEND)

TAO1
SPECIALTY EQUIPMENT TAG:
SEE SPECIALTY EQUIPMENT SCHEDULE

A
PLAN KEYNOTE TAG:
NOTE NUMBER A
SEE PLAN KEYNOTE SCHEDULE

1 / A1.01
BUILDING SECTION SYMBOL:
SECTION 1 ON SHEET A101

1 / A1.01
WALL SECTION SYMBOL:
SECTION 1 ON SHEET A101

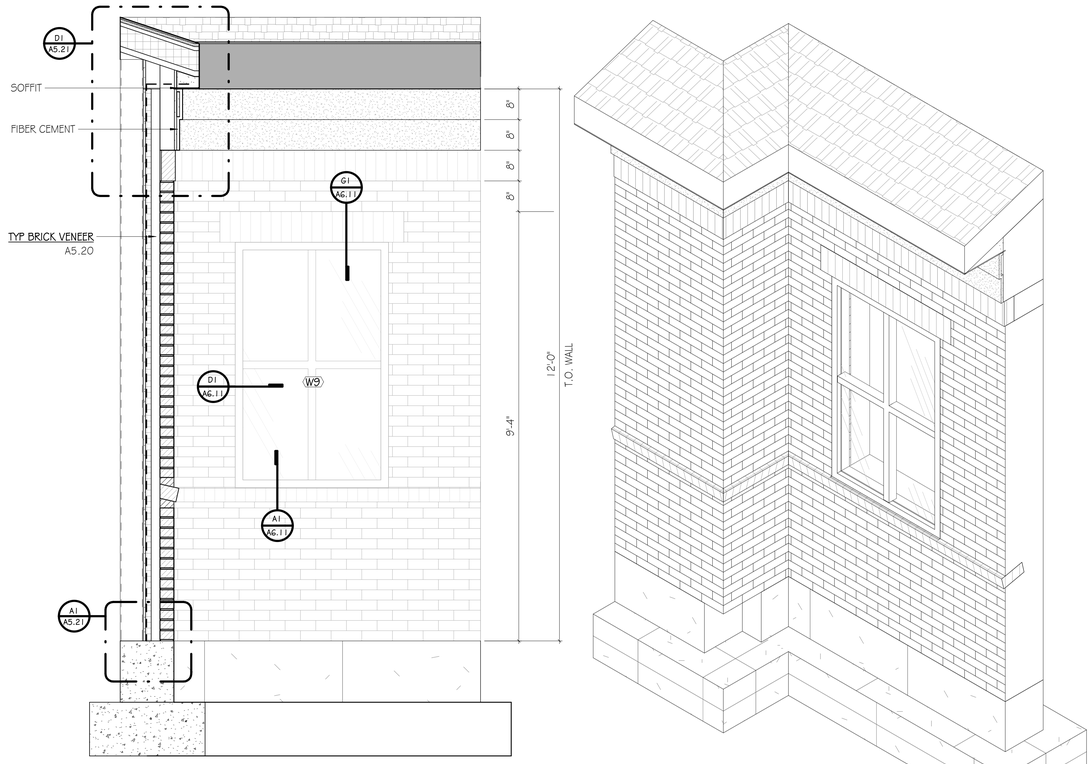
1 / A1.01
ENLARGED DETAIL SYMBOL:
DETAIL 1 ON SHEET A101

CD5#
HEIGHT # # DEPTH #
WIDTH #
CASEWORK TAG

PLAN NORTH
NORTH ARROW:
ARCHITECTURAL ORIENTATION

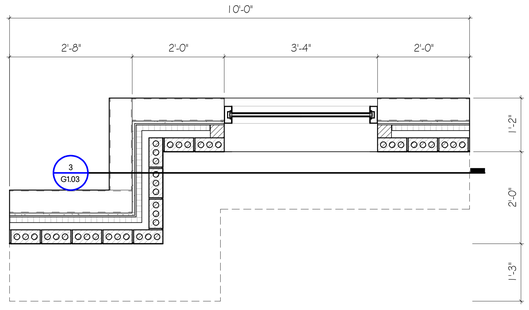
TRUE NORTH
CIVIL ORIENTATION

MOCKUP WALL



4 MOCK UP SECTION
SCALE: 3/4" = 1'-0"

5 MOCK UP WALL AXON
SCALE:



3 MOCK UP PLAN
SCALE: 3/4" = 1'-0"

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

ISSUE DATE
ISSUE FOR BID 04/27/2026

DRAWN BY: SC
CHECKED BY: JH

HOUSTON COUNTY DHR
172 Prevatt Rd
Dothan, Alabama 36301
GMC # ABHM250019

STATE OF ALABAMA
6544
JACQUELYN D. HART
REGISTERED ARCHITECT

GENERAL INFORMATION & MOCK UP WALL

G1.03

sheet of

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MOUNTING HEIGHT NOTES

01. **TYPICAL HEIGHTS:** MOUNTING HEIGHTS INDICATED HEREIN ARE TYPICAL MOUNTING HEIGHTS FOR DEVICE INDICATED. MOUNTING HEIGHTS FOR SUBMITTED PRODUCTS MAY VARY BY MANUFACTURER. THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCY BETWEEN THE INDICATED MOUNTING HEIGHT AND THE MANUFACTURERS RECOMMENDED MOUNTING HEIGHT, PRIOR TO INSTALLATION OF THE DEVICE.

02. THE GENERAL CONTRACTOR SHALL REFER TO PLANS FOR LOCATIONS OF DEVICES SHOWN HEREIN.

03. **ADA DEVICES:** ALL DEVICES AND FIXTURES NOTED AS "ADA" OR "ACCESSIBLE" SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT AND APPLICABLE BUILDING CODES.

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

05. **MECHANICAL/PLUMBING DEVICES:** SEE MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR REQUIRED MOUNTING HEIGHT OF MECHANICAL AND PLUMBING DEVICES AND FIXTURES. WHERE CONFLICTS EXIST BETWEEN MOUNTING HEIGHTS INDICATED HEREIN AND THE REQUIREMENTS OF THE MECHANICAL ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT PRIOR TO ROUGH-IN.

06. INSTALL ADA / ANSI COMPLIANT UNDER LAVATORY GUARDS ON ALL EXPOSED SINK PIPING.

07. CONTRACTOR MUST MAINTAIN ON THE JOB SITE A COPY OF THE CURRENT ADAAG STANDARDS AND THE IBC CHAPTER 11 ACCESSIBILITY REQUIREMENTS.

08. DIMENSIONAL DESIGNATIONS OF +/- TO HAVE +/-1/2" TOLERANCE UNLESS OTHERWISE NOTED.

09. DESIGNATION FOR FINISHED FACE OF WALL (FFW) TO BE TAKEN FROM NEAREST CONTINUOUS SURFACE IN THE PLANE OF THE WALL [I.E. FACE OF FLOOR BASE IF FACE OF BASE EXTENDS BEYOND FACE OF WALL].

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
GB . . . . . GRAB BAR	W/ . . . . . WITH
HOD . . . . . HIGHEST OPERABLE DEVICE	W/O . . . . . WITHOUT

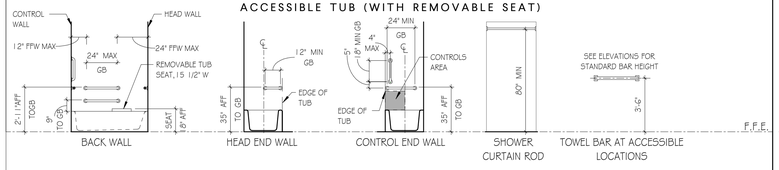
TYPICAL TOILET LAYOUTS

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

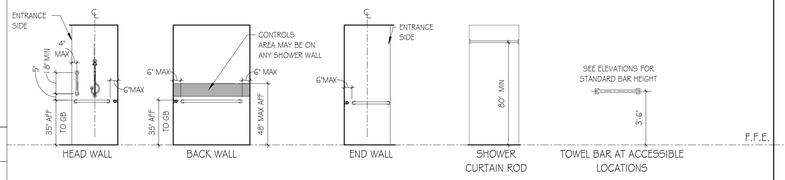
TYPICAL ACCESSIBLE PLUMBING DETAILS - ELEVATION

SEE G1.12 FOR PLAN DETAILS

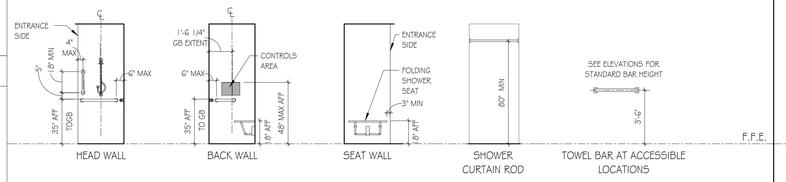
ACCESSIBLE TUB (WITH REMOVABLE SEAT)



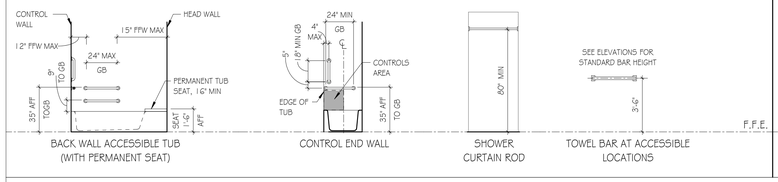
ACCESSIBLE ROLL-IN SHOWER (WITHOUT FOLDING SEAT)



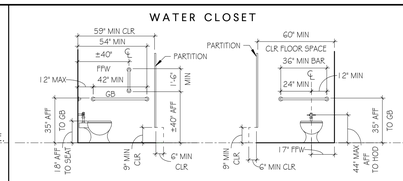
ACCESSIBLE TRANSFER SHOWER (WITH FOLDING SEAT)



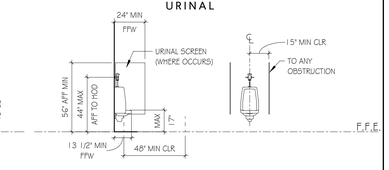
ACCESSIBLE TUB (WITH PERMANENT SEAT)



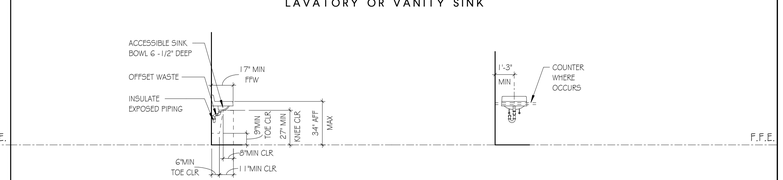
WATER CLOSET



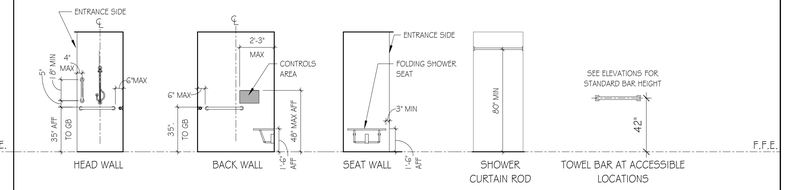
URINAL



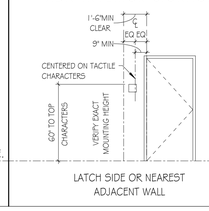
LAVATORY OR VANITY SINK



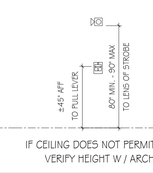
ACCESSIBLE ROLL-IN SHOWER (WITH FOLDING SEAT)



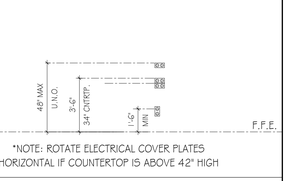
ADA INTERIOR SIGNAGE



FIRE ALARM W/ STROBE

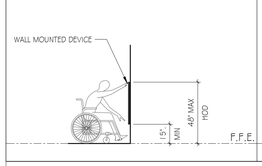


ELECTRICAL DEVICES

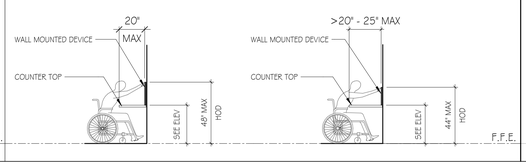


TYPICAL REACH RANGES

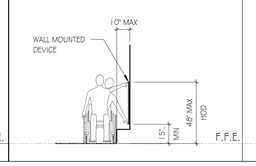
UNOBSTRUCTED FORWARD REACH



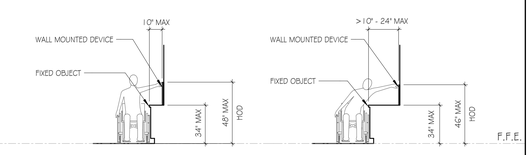
OBSTRUCTED HIGH FORWARD REACH



UNOBSTRUCTED SIDE REACH

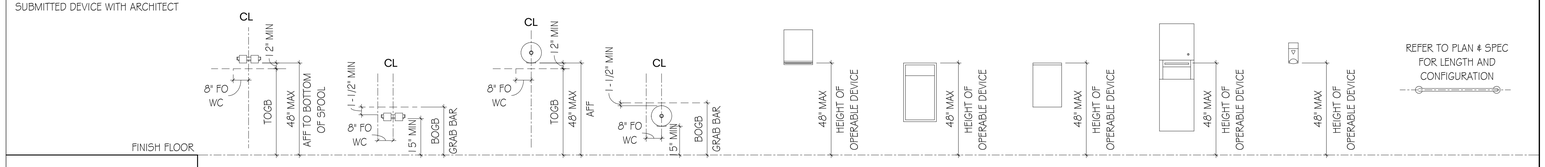


OBSTRUCTED HIGH SIDE REACH

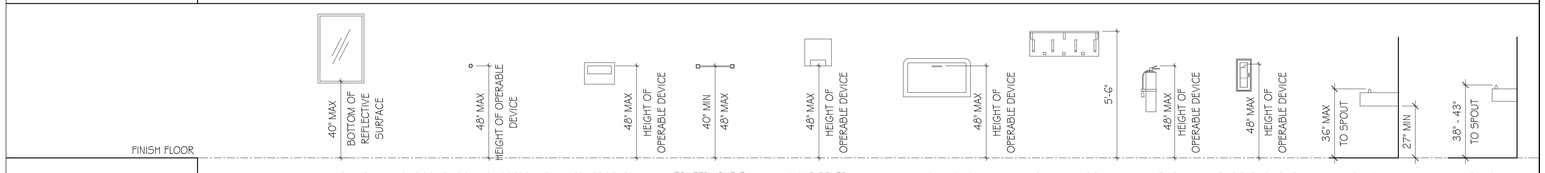


TYPICAL ACCESSIBLE MOUNTING HEIGHTS

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	SAFETY GRAB BAR			
DRAWING DESIGNATION	TA01		TA08		TA11 SURFACE MOUNTED		TA15	TA20 18"	TA24 24"	TA21 36"	TA25 12"	TA22 42"



TOILET ACCESSORY TYPE	MIRROR AT ACCESSIBLE CONDITIONS	ROBE/COAT HOOK AT ACCESSIBLE LOCATIONS (SEE ELEVATIONS FOR STANDARD HOOK HT)	TOILET SEAT COVER DISPENSER	TOILETRY SHELF	HAND DRYER	BABY CHANGING STATION	MOP AND BROOM HOLDER	FIRE EXTINGUISHER	FIRE EXTINGUISHER CABINET	E.W.C. (ACCESSIBLE)	E.W.C. (STANDARD)
DRAWING DESIGNATION	TA23	TA26			TA50	TA55	TA60	FE	FEC		

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2400 5th Avenue South, Suite 200
Birmingham, AL 35233
T 205.879.4462
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ISSUE	DATE
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DRAWN BY: SC
CHECKED BY: JH

HOUSTON COUNTY DHR
172 Prevatt Rd
Dothan, Alabama 36301
GMC # ABHM250019

STATE OF ALABAMA — REGISTERED ARCHITECT — 6544 — JACQUELYN D. HART — BIRMINGHAM, ALABAMA

ACCESSIBLLITY INFORMATION

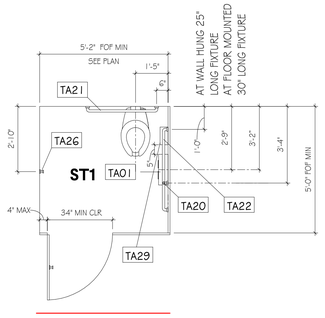
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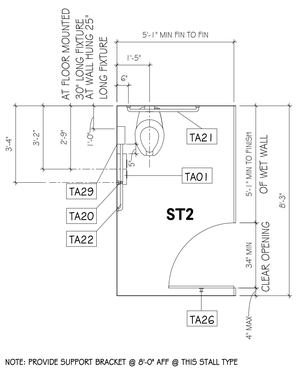
STANDARD LAYOUTS - ADAAG / ANSI

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



WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT

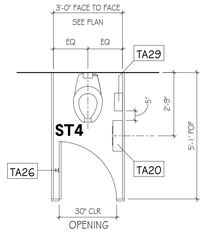
PLAN DESIGNATION **ST1**



NOTE: PROVIDE SUPPORT BRACKET @ 8'-0" AFF @ THIS STALL TYPE

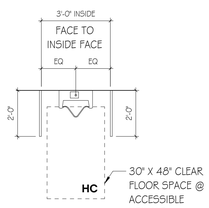
END OF ROW WHEELCHAIR ACCESSIBLE TOILET COMPARTMENT

PLAN DESIGNATION **ST2**

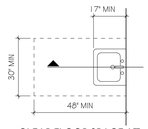


STANDARD COMPARTMENT

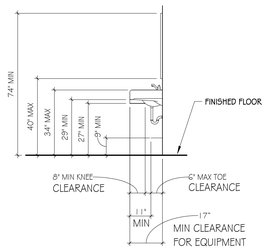
PLAN DESIGNATION **ST4**



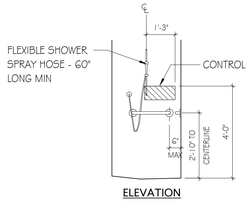
STANDARD URINAL

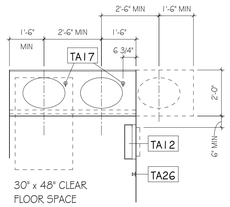


ACCESSIBLE LAVATORY FRONT APPROACH



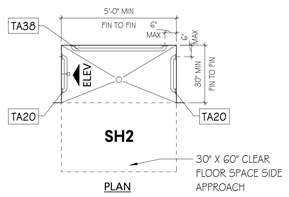
ACCESSIBLE LAVATORY FRONT APPROACH SECTION





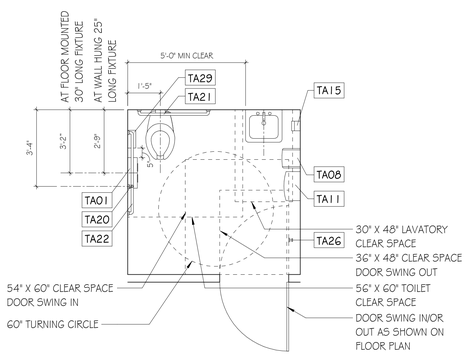
NOTE: COORDINATE LAVATORY SUPPORTS W/ BOWL LOCATIONS

STANDARD ACCESSIBLE TOILET ROOM



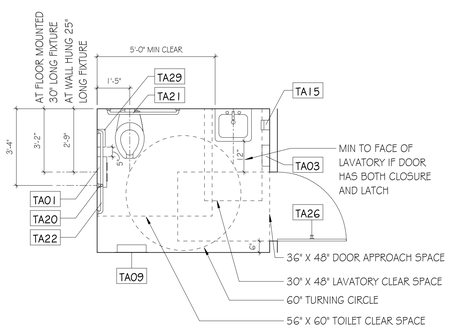
ACCESSIBLE ROLL-IN SHOWER COMPARTMENT STALL WITH GRAB BAR, NO SHOWER SEAT

PLAN DESIGNATION **SH2**



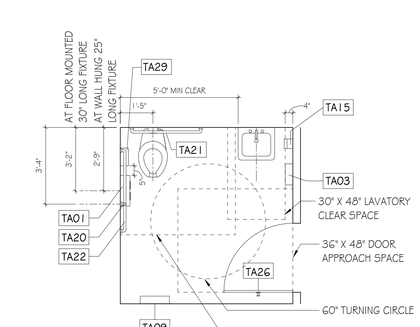
NOTE: SEE PLAN FOR FINAL TA09, TA03 & TA15 LOCATIONS

STANDARD ACCESSIBLE TOILET ROOM



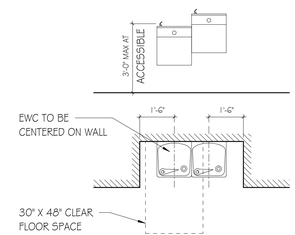
NOTE: SEE PLAN FOR FINAL TA09, TA03 & TA15 LOCATIONS

STANDARD ACCESSIBLE TOILET ROOM

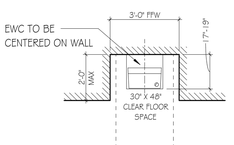


NOTE: SEE PLAN FOR FINAL TA09, TA03 & TA15 LOCATIONS

STANDARD ACCESSIBLE TOILET ROOM



FOUNTAIN / COOLER HI-LO



FOUNTAIN / COOLER BUILT-IN

GMC
2400 5th Avenue South, Suite 200
Birmingham, AL 35233
T 205.879.4462
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CHECKED BY: JH

HOUSTON COUNTY DHR
172 Prevatt Rd
Dothan, Alabama 36301
GMC # ABHM250019

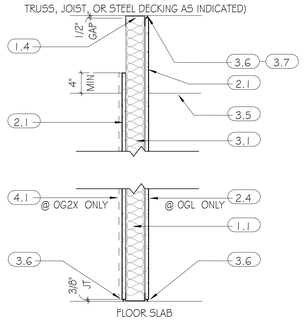
STATE OF ALABAMA · REGISTERED ARCHITECT · 6544 · JACQUELYN D. HART · BIRMINGHAM, ALABAMA

TYPICAL ACCESSIBLE PLUMBING LAYOUTS

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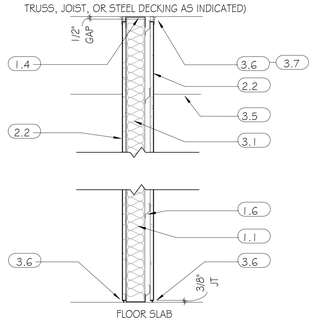
STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



OG	0 HR. - GYPSUM
OG5	0 HR. - GYPSUM - SMOKE TIGHT
OG2X	0 HR. - GYPSUM - 2ND LAYER GYP ONE SIDE
OGL	0 HR. - GYPSUM - LEAD LINED

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

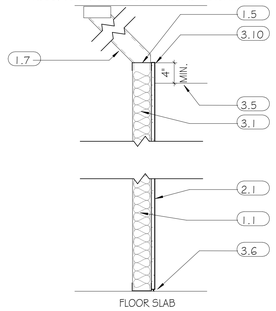
STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



OGA1	0 HR. - GYPSUM - ACOUSTIC

DRAWING MARK	DESCRIPTION	U.L. #	N/A
		STC	58

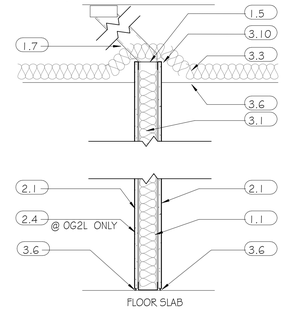
STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



OG1	0 HR. - GYPSUM - 1 SIDED

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

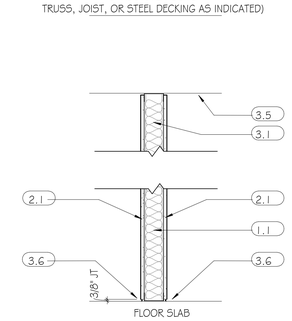
STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



OG2	0 HR. - GYPSUM - 2 SIDED
OG2L	0 HR. - GYPSUM - 2 SIDED - LEAD LINED

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

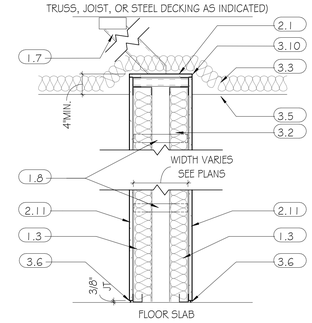
STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



OGG	0 HR. - GYPSUM - TO CLG. GRID

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

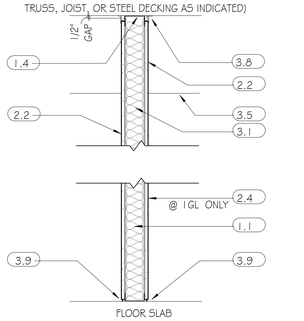
STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



OGC	0 HR. - GYPSUM - CHASE

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

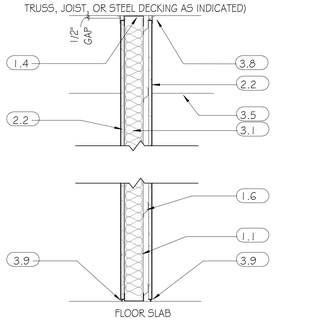
STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



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

DRAWING MARK	DESCRIPTION	U.L. #	U465
		STC	49

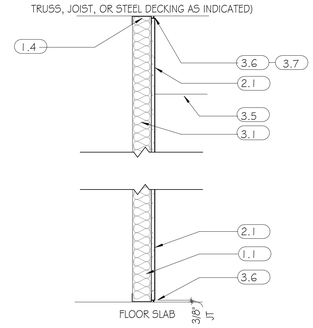
STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



1GA	1 HR. - GYPSUM - ACOUSTIC

DRAWING MARK	DESCRIPTION	U.L. #	U419
		STC	58

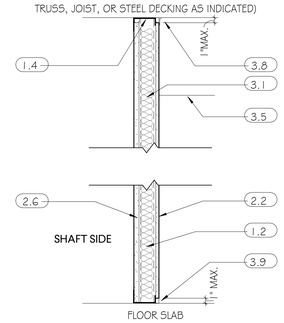
STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



OG1D	0 HR. - GYPSUM - 1 SIDED TO DECK

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

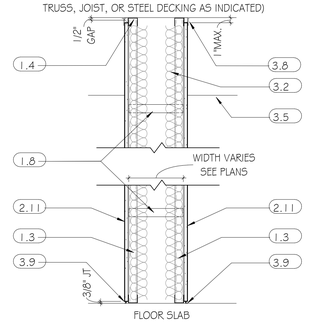
STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



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

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

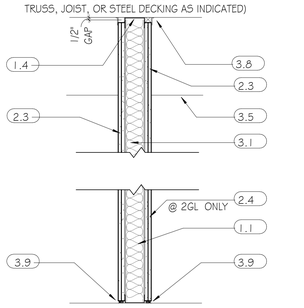
STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



1GC	1 HR. - GYPSUM - CHASE

DRAWING MARK	DESCRIPTION	U.L. #	U445
		STC	62

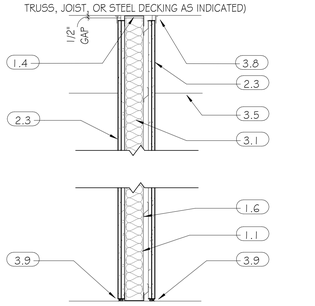
STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



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

DRAWING MARK	DESCRIPTION	U.L. #	U411
		STC	52

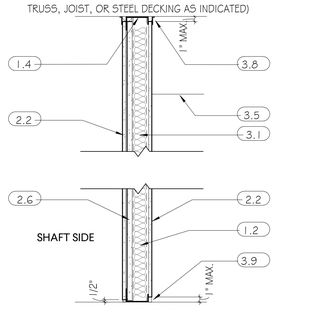
STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



2GA	2 HR. - GYPSUM - ACOUSTIC

DRAWING MARK	DESCRIPTION	U.L. #	U454
		STC	61

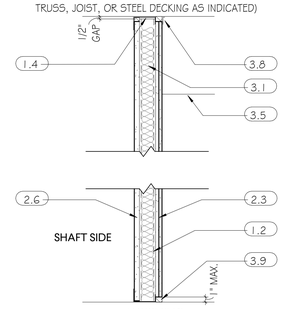
STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



25X	2 HR. - SHAFTWALL - EXIT STAIR

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

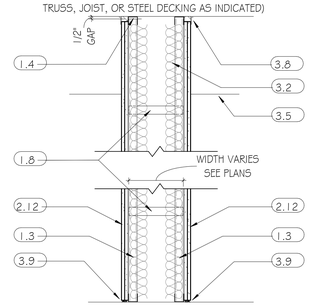
STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



25	2 HR. - SHAFTWALL
25S	2 HR. - SHAFTWALL - SMOKE BARRIER

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

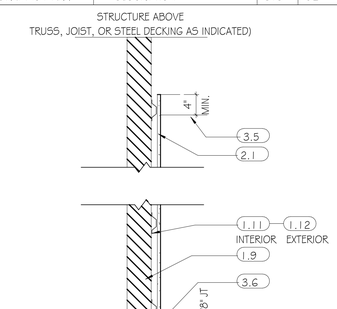
STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



2GC	2 HR. - GYPSUM - CHASE

DRAWING MARK	DESCRIPTION	U.L. #	U444
		STC	62

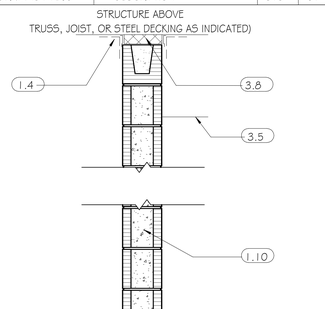
STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



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

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

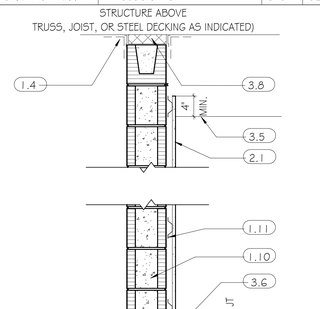
STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



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

DRAWING MARK	DESCRIPTION	U.L. #	U905
		STC	50

STRUCTURE ABOVE
TRUSS, JOIST, OR STEEL DECKING AS INDICATED



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. NO DEVIATION SHALL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY THE ARCHITECT AND/OR BUILDING OFFICIAL.

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, BY STENCILING "X-HOUR FIRE AND /OR SMOKE BARRIER" IN 3-INCH HIGH CONTRASTING LETTERS, 3/8-INCH MINIMUM STROKE. LOCATE WITHIN 15 FEET OF END OF WALL, AND AT INTERVALS NOT EXCEEDING 30 FEET MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION.

3. SMOKE PARTITIONS [NON-RATED]
A. ALL PERIMETER JOINTS MUST BE SEALED WITH AIRTIGHT SEALANT APPLICATION.
B. 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.
C. INSULATION MAY BE OMITTED AT CHASES NOT EXCEEDING 10 S.F. IN AREA.

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
A. COMPLY WITH "9.07 PARTITION COORDINATION WITH OTHER TRADES" REQUIREMENTS LOCATED UNDER "GENERAL NOTES" ON PROJECT INFORMATION DRAWING G1.02

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" OR 4" 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
2.5 BASE LAYER LEAD-LINED GYP. BD. TO MIN. 7'-6" AFF ON ROOM SIDE
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 NOT USED
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. 6" THICK
3.2 SOUND ATTENUATION BATT INSULATION BOTH SIDES OF STUD CAVITY. 6" THICK
3.3 SOUND ATTENUATION BATT INSULATION. 6" 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 STRUCTURAL BRACE AT UNSUPPORTED END WALL CONDITIONS. SEE DETAIL
3.12 WALL CAP. SEE DETAIL ON FINISH DRAWINGS
4.1 INSTALL 2 LAYERS 5/8" GYP BOARD ON MAMMO ROOM SIDE OF STUD (2ND LAYER UP TO 4" ABOVE CEILING)

PARTITION KEY

TYPE 1G 3 5/8" METAL STUDS	1G	1G 6"	TYPE 1G 6" METAL STUDS
TYPE 1S 4" METAL CH STUDS	1S	1S 2.5"	TYPE 1S 2.5" METAL CH STUDS
TYPE 0M 8" CMU	0M	0M 4"	TYPE 0M 4" CMU
TYPICAL PARTITION (SHOWN THUS)		VARIANT PARTITION (SHOWN THUS)	

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

PARTITIONS USE STANDARD FRAMING EXCEPT WHERE VARIANT FRAMING SIZE IS INDICATED

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

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

ISSUE DATE
ISSUE FOR BID 04/27/2026
DRAWN BY: SC
CHECKED BY: JH

HOUSTON COUNTY DHR
172 Prevatt Rd
Dothan, Alabama 36301
GMC # ABHM250019

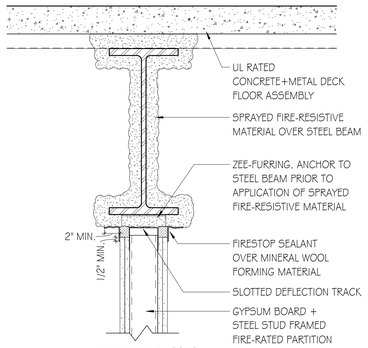
STATE OF ALABAMA
JOSEPH WILLS & CARLTON
6544
JACQUELYN D. HART
BIRMINGHAM, ALABAMA
REGISTERED ARCHITECT

PARTITION TYPES

G1.21
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HEAD OF WALL FIRESTOPPING

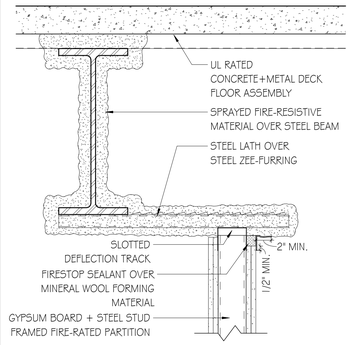


UL# HW-D-0259

(1 & 2-HOUR, 1-1/2" WIDTH, 50% MOVEMENT)

H1 WALL PARALLEL TO BEAM C/L

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

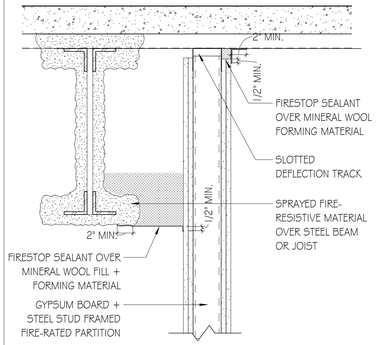


UL# HW-D-0634

(1 & 2-HOUR, 1-1/2" WIDTH, 50% MOVEMENT)

H3 WALL OFFSET @ STL BEAM

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

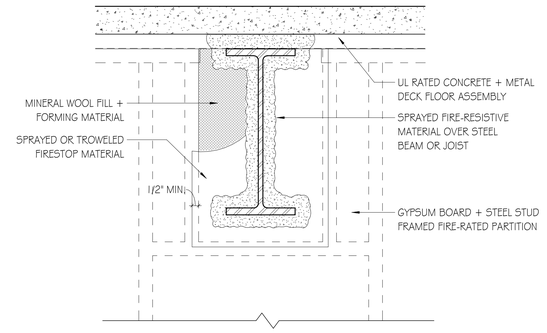


UL# HW-D-0388

(1 & 2-HOUR, 1-1/2" WIDTH, 50% MOVEMENT)

H5 WALL OFFSET @ STL STRUCT.

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

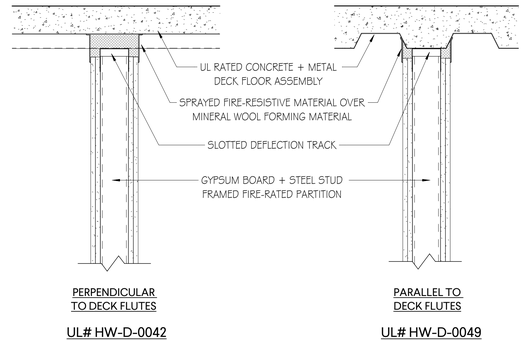


UL# HW-D-0218

(1 & 2-HOUR, 1" WIDTH, 25% MOVEMENT)

H7 WALL PERPENDICULAR TO BEAM C/L

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



UL# HW-D-0042

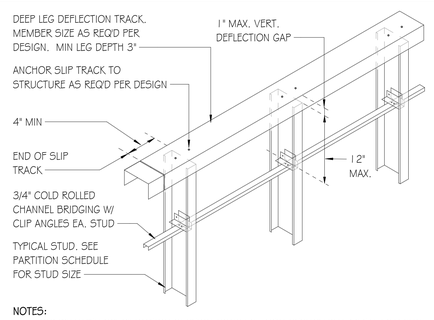
(1 & 2-HOUR; 1" WIDTH; 50% MOVEMENT)

UL# HW-D-0049

(1 & 2-HOUR; 1" WIDTH; 50% MOVEMENT)

H10 RATED PARTITION @ METAL DECK 2

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

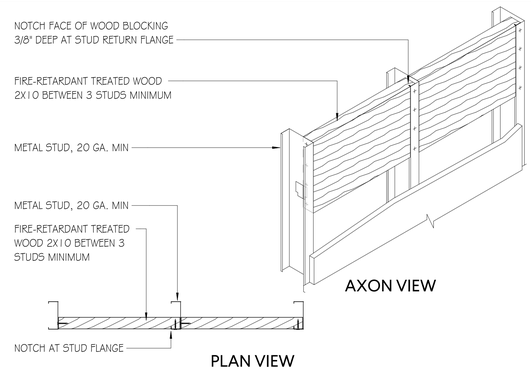


NOTES:

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"



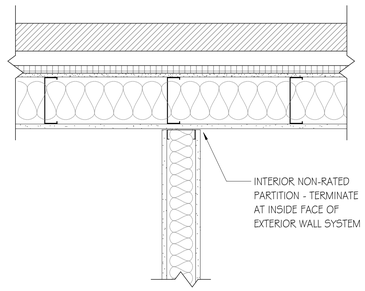
AXON VIEW

PLAN VIEW

E10 BLOCKING DETAIL

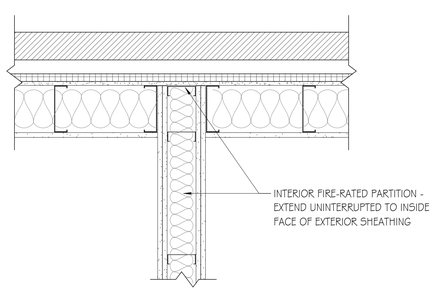
SCALE: 1 1/2" = 1'-0"

WALL PRIORITY DIAGRAMS



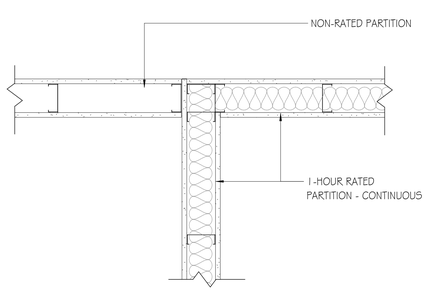
C1 NON-RATED PARTITION @ EXT. WALL

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



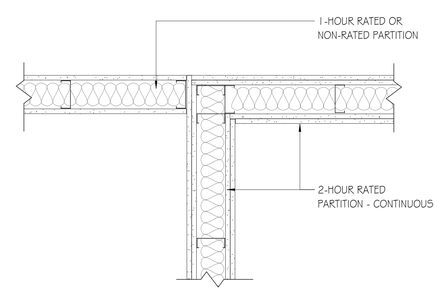
C4 RATED PARTITION @ EXT. WALL

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



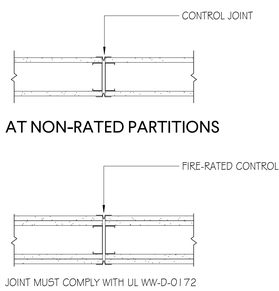
C7 PARTITION INTERSECTION 1

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



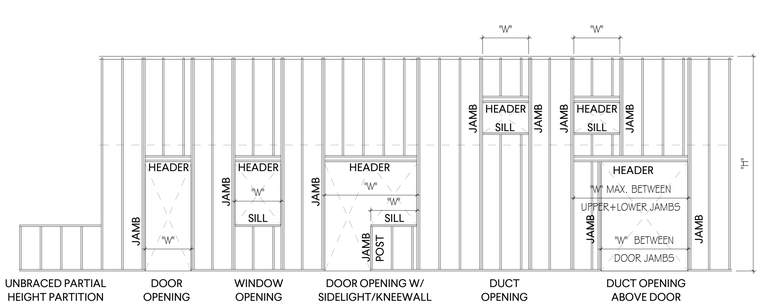
C10 PARTITION INTERSECTION 2

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



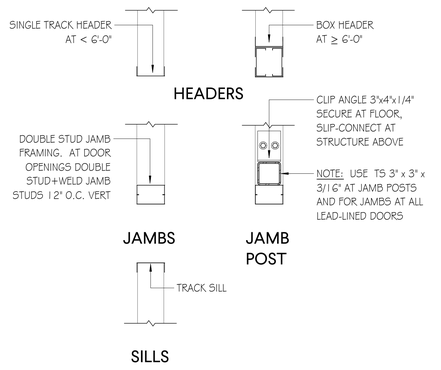
A1 CONTROL JOINT DETAILS

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

2400 5th Avenue South, Suite 200
Birmingham, AL 35233
T 205.879.4462
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ISSUE DATE
ISSUE FOR BID 04/27/2026

DRAWN BY: SC
CHECKED BY: JH

HOUSTON COUNTY DHR
172 Prevatt Rd
Dothan, Alabama 36301

GMC # ABHM250019

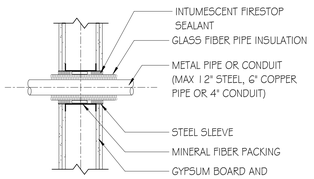
STATE OF ALABAMA 6544 JACQUELYN D. HART REGISTERED ARCHITECT

PARTITION DETAILS

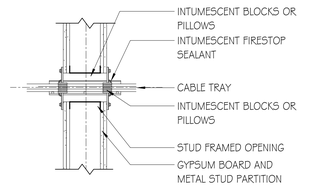
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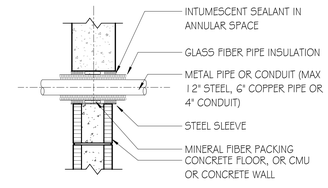
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INSULATED METAL PIPE THRU GYPSUM PARTITION		
	A	W-L-5029
	B	W-L-5040
	C	W-L-5014

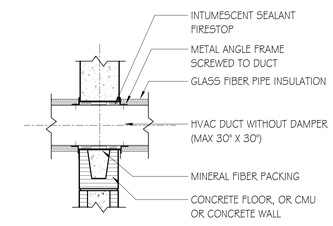


CABLE TRAY THRU GYPSUM PARTITION		
	A	W-L-4011
	B	W-L-4037
	C	W-L-4008



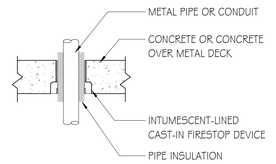
NOTE: FIRESTOP BOTH SIDES AT WALLS; FIRESTOP TOP SIDE AT FLOORS

INSULATED METAL PIPE THRU CMU / CONC WALL OR FLOOR		
	A	C-AJ-5096
	B	C-AJ-5024
	C	C-AJ-5087

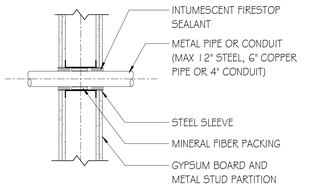


NOTE: FIRESTOP BOTH SIDES AT WALLS; FIRESTOP TOP SIDE AT FLOORS

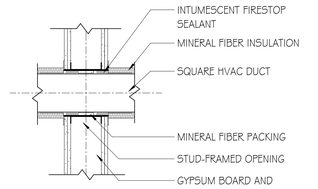
INSULATED HVAC DUCT THRU CMU / CONC WALL OR FLOOR		
	A	C-AJ-7145
	B	C-AJ-7115
	C	C-AJ-7143



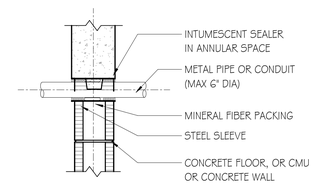
INSULATED METAL PIPE THRU CONC, OR CONC ON METAL DECK		
	A	F-A-5015
	B	F-A-5029
	C	F-A-5041



SINGLE UNINSULATED METAL PIPE THRU GYPSUM BOARD PARTITION		
	A	W-L-1054
	B	W-L-1001
	C	W-L-1088

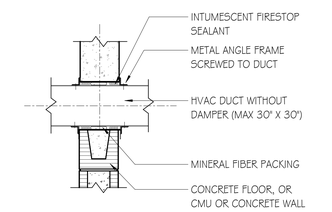


INSULATED HVAC DUCT THRU GYPSUM BOARD PARTITION		
	A	W-L-7059
	B	W-L-7195
	C	W-L-7178



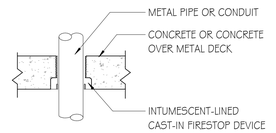
NOTE: FIRESTOP BOTH SIDES AT WALLS; FIRESTOP TOP SIDE AT FLOORS

SINGLE UNINSULATED METAL PIPE THRU CONC FLOOR / WALL OR CMU WALL		
	A	C-AJ-1226
	B	C-AJ-1044
	C	C-AJ-1080

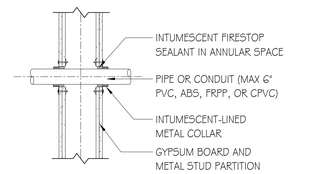


NOTE: FIRESTOP BOTH SIDES AT WALLS; FIRESTOP TOP SIDE AT FLOORS

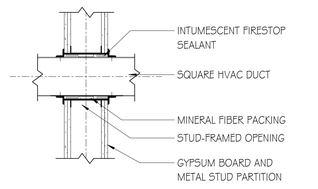
UNINSULATED HVAC DUCT THRU CONC FLOOR / WALL OR CMU WALL		
	A	C-AJ-1711
	B	C-AJ-7016
	C	C-AJ-7027



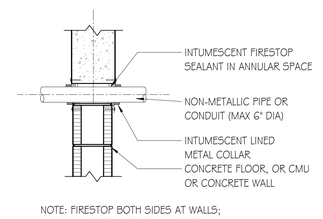
SINGLE UNINSULATED METAL PIPE THRU CONC OVER METAL FLOOR		
	A	F-A-1017
	B	F-A-1067
	C	F-A-1110



SINGLE NONMETALLIC PIPE THRU GYPSUM BOARD PARTITION		
	A	W-L-2078
	B	W-L-2073
	C	W-L-2029

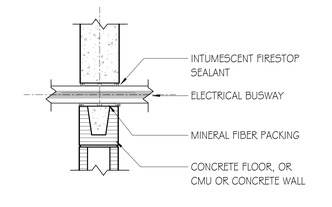


UNINSULATED HVAC DUCT THRU GYPSUM BOARD PARTITION		
	A	W-L-7155
	B	W-J-7169
	C	W-L-7056



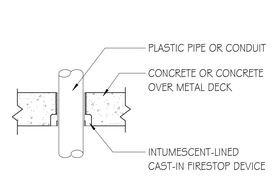
NOTE: FIRESTOP BOTH SIDES AT WALLS; FIRESTOP TOP SIDE AT FLOORS

SINGLE NONMETALLIC PIPE THRU CONC FLOOR / WALL OR CMU WALL		
	A	C-AJ-2109
	B	C-AJ-2005
	C	C-AJ-2038

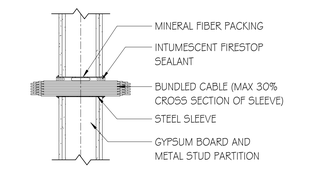


NOTE: FIRESTOP BOTH SIDES AT WALLS; FIRESTOP TOP SIDE AT FLOORS

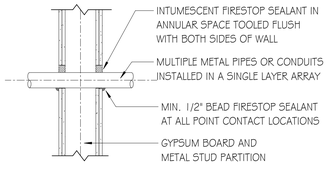
BUSWAY THRU CONC FLOOR / WALL OR CMU WALL		
	A	C-AJ-6017
	B	C-AJ-6002
	C	C-AJ-6008



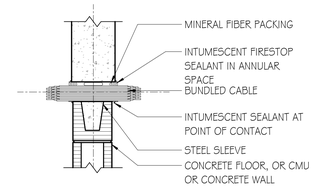
SINGLE NONMETALLIC PIPE THRU CONCRETE OVER METAL FLOOR		
	A	F-A-2054
	B	F-A-2097
	C	F-A-2192



SINGLE OR BUNDLED CABLE THRU GYPSUM BOARD PARTITION		
	A	W-L-3065
	B	W-L-3031
	C	W-L-3133

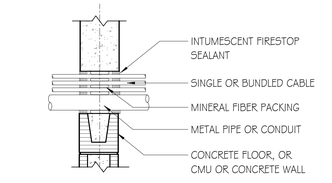


MULTIPLE PENETRATIONS THRU GYPSUM BOARD PARTITION		
	A	W-L-1389
	B	W-L-13--
	C	W-L-1168

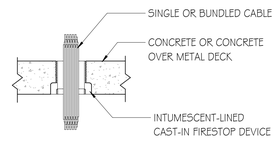


NOTE: FIRESTOP BOTH SIDES AT WALLS; FIRESTOP TOP SIDE AT FLOORS

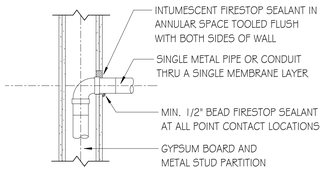
BUNDLED CABLE THRU CONC FLOOR / WALL OR CMU WALL		
	A	C-AJ-3095
	B	C-AJ-3021
	C	C-AJ-3043



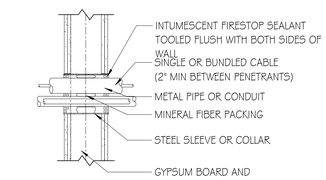
MULTIPLE PENETRATIONS THRU CONC FLOOR / WALL OR CMU WALL		
	A	C-AJ-8143
	B	C-AJ-8003
	C	C-AJ-8053



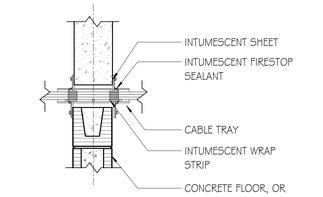
SINGLE OR BUNDLED CABLE THRU CONC OVER METAL FLOOR		
	A	F-A-3007 F-
	B	A-3017
	C	F-A-3055



MEMBRANE PENETRATIONS THRU GYPSUM BOARD PARTITION		
	A	W-L-1410
	B	W-L-1353
	C	--------



MULTIPLE PENETRATIONS THRU GYPSUM BOARD PARTITION		
	A	W-L-8079
	B	W-L-8010
	C	W-L-8026



CABLE TRAY THRU CONC FLOOR / WALL OR CMU WALL		
	A	C-AJ-4035
	B	C-AJ-4003
	C	C-AJ-4022

NOT USED

	A	--------
	B	--------
	C	--------

NOT USED

	A	--------
	B	--------
	C	--------

GENERAL THRU-PENETRATION NOTES

1. GENERAL
   - A. ALL THROUGH-PENETRATION FIRESTOP WORK SHALL COMPLY WITH THE REQUIREMENTS OF **SECTION 078413 – PENETRATION FIRESTOP SYSTEMS.**
   - B. THE DETAILS SHOWN HEREIN ILLUSTRATE FREQUENTLY ENCOUNTERED THROUGH-PENETRATION FIRESTOP CONDITIONS. THEY ARE GENERIC REPRESENTATIONS OF SYSTEMS AVAILABLE FROM SEVERAL MANUFACTURERS.
   - C. SELECTION OF APPROPRIATE SYSTEMS SHALL BE THE RESPONSIBILITY OF THE FIRESTOP CONTRACTOR, AND MUST BE SUBMITTED FOR ARCHITECT'S APPROVAL. EACH SELECTION SHALL BE APPROPRIATE FOR THE PENETRATING ITEM AND SUBSTRATE, AND SHALL COMPLY WITH THE SPECIFIC REQUIREMENTS OF A UL LISTED SYSTEM DESIGN.
   - D. WHERE NO APPLICABLE UL DESIGN IS AVAILABLE FOR A PARTICULAR FIRESTOP CONFIGURATION, SUBMIT AN ENGINEERING JUDGMENT (EJ), OR EQUIVALENT FIRE RESISTANCE RATED ASSEMBLY (EFRRA), PREPARED BY THE FIRESTOP MANUFACTURER.

2. APPLICABILITY
   - A. PROVIDE THROUGH-PENETRATION FIRESTOP SYSTEMS FOR ALL PENETRATIONS (INCLUDING SINGLE-SIDED MEMBRANE PENETRATIONS) OF FIRE RESISTANCE RATED CONSTRUCTION, WHETHER OR NOT SPECIFICALLY DETAILED ON THE DRAWINGS (APPLICABLE TO BOTH EMPTY OPENINGS AND OPENINGS CONTAINING PENETRATING ITEMS).
   - B. ALL PIPING AND DUCTWORK SUBJECT TO MOVEMENT SHALL BE FIRESTOPPED WITH FLEXIBLE FIRE RATED SEALANT.
   - C. TO EXTENT THAT APPROPRIATE UL DESIGNS ARE AVAILABLE FOR SUBSTRATE REQUIRED, USE THE FOLLOWING APPROACH TO SELECTION OF SYSTEMS:
     1. FOR SIMPLE PENETRATIONS: ONE-PART FIRESTOP SEALANT
     2. FOR COMPLEX PENETRATIONS: FOAMED-IN-PLACE FIRESTOP SEALANT
     3. FOR INSULATED METAL PIPE: INTUMESCENT WRAP STRIP AND ONE-PART FIRESTOP SEALANT.
     4. FOR DUCTS OR VENTS:
     5. FOR CABLE TRAYS OR RACEWAYS:

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

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

5. INSTALLATION - GENERAL
   - A. COMPLY WITH UL SYSTEM REQUIREMENTS AND FIRESTOPPING MANUFACTURERS' PRINTED INSTALLATION INSTRUCTIONS.
   - B. INSTALL FORMING /DAMMING /BACKING MATERIALS AND OTHER ACCESSORIES OF TYPES REQUIRED TO SUPPORT FILL MATERIALS DURING THEIR APPLICATION AND IN THE POSITION NEEDED TO PRODUCE CROSS-SECTIONAL SHAPES AND 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, ACCESSORIES, AND PENETRATING ITEMS AS REQUIRED TO ACHIEVE FIRE-RESISTANCE RATINGS INDICATED,
     2. APPLY MATERIALS SO THEY CONTACT AND ADHERE TO SUBSTRATES FORMED BY OPENINGS AND PENETRATING ITEMS,
   - D. FOR FILL MATERIALS THAT WILL REMAIN EXPOSED AFTER COMPLETING WORK, FINISH TO PRODUCE SMOOTH UNIFORM SURFACES THAT ARE FLUSH WITH ADJOINING FINISHES.
   - E. REMOVE COMBUSTIBLE FORMING MATERIALS, AND OTHER ACCESSORIES, THAT ARE NOT INDICATED AS PERMANENT COMPONENTS OF FIRESTOP SYSTEMS. REMOVE EXCESS SEALANT FROM ADJOINING SURFACES.
   - F. IDENTIFY THROUGH PENETRATION FIRESTOP SYSTEMS WITH PERMANENTLY ATTACHED,PREPRINTED METAL OR PLASTIC LABELS, AS SPECIFIED.
   - G. INSPECT FILL MATERIALS AFTER 48 HOURS FOR COMPLETE ADHESION AND SEAL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. CORRECT DEFICIENCIES AND RE-INSPECT.

PRODUCT / MANUFACTURER LEGEND

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

KEY TO MANUFACTURERS		
	A	HILTI
	B	3M
	C	STI

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

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ISSUE FOR BID | 04/27/2026

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CHECKED BY: JH

HOUSTON COUNTY DHR
172 Prevatt Rd
Dothan, Alabama 36301

GMC # ABHM250019

STATE OF ALABAMA — JACQUELYN D. HART — 6544 — REGISTERED ARCHITECT

PENETRATION FIRESTOPPING SYSTEMS

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B1 LIFE SAFETY PLAN

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

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

OVERALL BUILDING AREA

LEVEL	AREA (GROSS SQUARE FEET)
1	38,456 GSF
TOTAL	38,456 GSF

APPLICABLE CODES & REGULATIONS

2021	INTERNATIONAL BUILDING CODE (IBC)
2021	INTERNATIONAL FUEL GAS CODE (IFGC)
2021	INTERNATIONAL MECHANICAL CODE (IMC)
2021	INTERNATIONAL PLUMBING CODE (IPC)
2021	INTERNATIONAL FIRE CODE (IFC)
2020	NATIONAL ELECTRICAL CODE (NEC)
2015	INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2013	ANSI/ASHRAE/IESNA STANDARD 90.1
2017	AMERICAN NATIONAL STANDARD ICC [ANSI] A117.1
2010	STANDARDS FOR ACCESSIBLE DESIGN

OCCUPANCY CLASSIFICATION — IBC CH 3

OCCUPANCY	PRIMARY : BUSINESS SECONDARY : N/A

SPECIAL REQUIREMENTS — IBC CH 4

[SPECIAL REQUIREMENT NOTES PER IBC CHAPTER 4 IF APPLICABLE]

CONSTRUCTION CLASSIFICATION — IBC CH 5

CONSTRUCTION TYPE	TYPE IIB - FULLY SPRINKLERED	
HEIGHT	ALLOWABLE: 75 FEET	ACTUAL: 30 FEET
# OF STORIES	ALLOWABLE: 4 STORIES	ACTUAL: 1 STORY
HEIGHT MODIFICATIONS	N/A	
AREA PER FLOOR	ALLOWABLE: 92,000 SF	ACTUAL: LEVEL 1 - 38,456 SF GROSS

FIRE RESISTANCE - STRUCT. ELEMENTS — IBC CH 6

RESISTANCE REQUIRED BY IBC TYPE TABLE 601

CONSTRUCTION TYPE : IIB

	RESISTANCE REQUIRED	RESISTANCE PROVIDED: RATING	RESISTANCE PROVIDED: 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	N/A	N/A
BEARING WALLS			
EXTERIOR WALLS (RATING NOT LESS THAN CH 6 OR CH 7)	0 HR	N/A	N/A
INTERIOR WALLS	0 HR	N/A	N/A
NON BEARING WALLS AND PARTITIONS			
EXTERIOR WALLS (BASED ON FIRE SEPARATION DISTANCE PER CH 6)	0 HR	N/A	N/A
NON BEARING WALLS AND PARTITIONS			
INTERIOR WALLS (RATING NOT LESS THAN REQUIRED BY SECTIONS OTHER THAN SECTION 6)	0 HR	N/A	N/A
FLOOR CONSTRUCTION AND SECONDARY MEMBERS (PER CH 2)			
FLOOR CONSTRUCTION HAVING DIRECT CONNECTIONS TO THE COLUMNS	0 HR	N/A	N/A
ROOF CONSTRUCTION AND SECONDARY MEMBERS (PER CH 2)			
ROOF CONSTRUCTION HAVING DIRECT CONNECTIONS TO THE COLUMNS	0 HR	N/A	N/A

FIRE RESISTANCE - WALLS & PARTITIONS — IBC CH 7

WALLS AND PARTITIONS	IBC SECTION 700	OPENING PROTECTION	RESISTANCE PROVIDED: RATING	RESISTANCE PROVIDED: ACHIEVED BY
SHAFT ENCLOSURES				
* LESS THAN 4 STORIES	1 HR	TBD	TBD	UL #
* 4 OR MORE STORIES	N/A	N/A	N/A	UL #
FIRE WALLS	N/A	N/A	N/A	UL #
HORIZONTAL EXITS	N/A	N/A	N/A	UL #
EXIT PASSAGEWAYS	N/A	N/A	N/A	UL #
SMOKE BARRIERS	1 HR	TBD	TBD	UL #
STORM SHELTER WALLS	N/A	N/A	N/A	UL #
ACCESSORY / INCIDENTAL USE				
* FURNACE RM W/ 400,000 BTU/HR INPUT EQMT	1 HR	TBD	TBD	UL #
* BOILER RM W/ 15 PSI & 10 HP EQMT	1 HR	TBD	TBD	UL #
* WASTE & LINEN RMS > 100 SF	1 HR	TBD	TBD	UL #
* FIRE PUMP RM	1 HR	TBD	TBD	UL #

MEANS OF EGRESS

MAXIMUM ALLOWABLE	BUSINESS	
TRAVEL DISTANCE TO EXIT	250 FT [EQUIPPED W/ SPRINKLER SYSTEM]	
COMMON PATH OF TRAVEL	100 FT	
DEAD END LENGTH	50 FT	
EGRESS OCCUPANTS (DESIGN LOAD)	CALCULATION VALUES BUSINESS: 33,425/150 [gr] ACC STOR/MECH: 3,890/300 [gr] ASSEMBLY: 1051/15 [net] AGGREGATE OCCUPANT LOAD = 306 OCCUPANTS	OCCUPANCY COUNT 223 13 70
EGRESS WIDTH	REQUIRED: 0.2" PER OCCUPANT X 349 OCCUPANTS = 69.8"	PROVIDED: 194"

PLUMBING FIXTURE TABULATIONS

OCCUPANCY	OCCUPANT LOAD (ACTUAL)	WC M	WC F	WC U/SX	LAV M	LAV F	LAV U/SX	BATH/ SHOWER	DRINKING FOUNTAINS	SVC SINKS
A ASSEMBLY	70 35M 35F	.28	.54	-	.175	.175	-	-	.14	1
B BUSINESS	224 112M 112F	3.24	3.24	-	2.4	2.4	-	-	2.24	1
S (STORAGE)	9 5M 5F	.05	.05	-	.007	.007	-	-	.009	1
MECH/ELEC	5 3M 3F	.006	.006	-	.004	.004	-	-	.005	1
TOTAL REQUIRED		3.58	3.84	0	2.59	2.59	0	0	2.4	1
TOTAL PROVIDED		5	9	3	3	4	3	1	4	1

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

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HOUSTON COUNTY DHR
172 Prevatt Rd
Dothan, Alabama 36301
GMC # ABHM250019

STATE OF ALABAMA — JOSEPH H. HART — 6544 — REGISTERED ARCHITECT

LIFE SAFETY - CODE STUDY

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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 = 5.47+/- ACRES

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

9. EXISTING SITE CONDITIONS: EXISTING DAYCARE BUILDING WITH ACCESSORY STRUCTURES, ASSOCIATED HARDSCAPES, AND ASSOCIATED UTILITIES.

10. ALL MATERIALS SHALL BE PROPERLY STORED, NOT EXPOSED TO RAIN, AND STOCKPILED. ALL CONTAINERS SHALL BE STORED CLOSED OR IN COVER. ALL EXCESS OR WASTE MATERIAL SHALL BE DISPOSED OF PROPERLY. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION WASTE DUMPSTER OR TRAILER ON SITE FOR CONSTRUCTION WASTE. THE CONTRACTOR SHALL DISPOSE OF TRASH AND WASTE TO AN ACCEPTABLE OFFSITE FACILITY EVERY 10 DAYS MINIMUM.

11. THERE SHALL BE NO DISTINCTLY VISIBLE FLOATING SCUM, OIL, OR OTHER MATTER CONTAINED IN THE STORM WATER DISCHARGE TO A RECEIVING WATER, MUST NOT CAUSE AN UNNATURAL COLOR (EXCEPT DYES OR OTHER SUBSTANCES DISCHARGED FOR THE PURPOSE OF ENVIRONMENTAL STUDIES AND WHICH DO NOT HAVE A HARMFUL EFFECT ON THE RECEIVING WATER), OR ODOR IN THE RECEIVING WATERS. THE STORM WATER DISCHARGE TO RECEIVING WATER MUST RESULT IN NO MATERIAL IN CONCENTRATION SUFFICIENT TO BE HAZARDOUS OR OTHERWISE DETRIMENTAL TO HUMANS, LIVESTOCK, WILDLIFE, PLANT LIFE OR FISH AND AQUATIC LIFE IN THE RECEIVING WATER.

12. WHEN THE LAND-DISTURBING ACTIVITY IS FINISHED AND STABLE VEGETATION OR OTHER PERMANENT CONTROLS HAVE BEEN ESTABLISHED ON ALL REMAINING EXPOSED SOIL, THE OWNER OF THE LAND WHERE THE LAND-DISTURBING ACTIVITY WAS CONDUCTED, OR HIS AUTHORIZED AGENT, SHALL NOTIFY THE OFFICIAL OF THESE FACTS AND REQUEST A FINAL INSPECTION. THE OFFICIAL SHALL THEN INSPECT THE SITE WITHIN 5 WORKING DAYS AFTER RECEIPT OF NOTICE, AND MAY REQUIRE ADDITIONAL MEASURES TO STABILIZE THE SOIL AND CONTROL EROSION AND SEDIMENTATION AS REQUIRED.

13. THE CONTRACTOR SHALL MINIMIZE THE TRACKING OF MUD AND DEBRIS ONTO PAVED ROADWAYS FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION EXIT PAD AS NOTED ON THE PLANS AND MAINTAIN IT ON A REGULAR BASIS AS AN EFFECTIVE MEASURE FOR REMOVING MUD AND DEBRIS FROM EQUIPMENT TIRES FROM BEING TRACKED FROM THE SITE ONTO ADJACENT ROADWAYS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SPRAY HOSE FOR WASHING OF TIRES AND EQUIPMENT, THE PERIODIC REWORKING OF THE CONSTRUCTION EXIT PAD STONE, OR SUPPLEMENTING THE EXIT PAD WITH ADDITIONAL STONE AS REQUIRED TO ENSURE ITS CONTINUED EFFECTIVENESS THROUGHOUT THE DURATION OF THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AT HIS EXPENSE ANY MUD AND DEBRIS TRACKED OFFSITE AND ONTO ADJACENT ROADWAYS AS REQUIRED.

14. ALL EXISTING AND NEW STORM DRAINAGE INLETS, STRUCTURES, AND PIPES SHALL BE CLEANED OF TRASH AND SEDIMENTS ON A REGULAR BASIS, WEEKLY AT A MINIMUM, SO AS NOT TO ALLOW DOWNSTREAM POLLUTION OF RECEIVING WATERS OR THE ESCAPING OF SEDIMENTS OFF SITE.

15. TEMPORARY DIVERSION BERMS AND/OR DITCHES SHALL BE PROVIDED AS REQUIRED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING DUST TO A MINIMUM THROUGH THE USE OF WATER TRUCKS OR OTHER DUST CONTROLLING METHODS THROUGHOUT THE CONSTRUCTION PERIOD.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING EROSION AND SILTATION OFF OF ADJACENT AND DOWNSTREAM PROPERTIES AND/OR ADJOINING SITES. AT HIS EXPENSE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF SEDIMENTS AND DEBRIS ESCAPING THIS PROJECT SITE, THE REMEDIATION AND/OR REPAIR OF ANY DAMAGE THAT MAY OCCUR AS A RESULT TO ADJOINING AND/OR DOWNSTREAM AFFECTED PROPERTIES OR OFFSITE STRUCTURES, AND ANY FINES OR PENALATIES LEVIED AGAINST THE PROJECT BY REGULATORY AGENCIES DUE TO DEFICIENCIES OF CONTROL MEASURES.

18. ALL DISTURBED AND REGRADED AREAS NOT TO BE PAVED SHALL RECEIVE TOPSOIL AND BE SEEDED AND MULCHED ACCORDING TO A.L.D.O.T. PERMANENT SEEDING SCHEDULES, COVERED WITH SOLID SOD, OR AS SHOWN ON THE LANDSCAPE PLAN (IF ANY). LOCALIZED EROSION AND RILLS SHALL BE REPAIRED AS NECESSARY AT THE CONTRACTORS EXPENSE. AREAS TO BE SEEDED SHALL RECEIVE 4" OF TOPSOIL AND AREAS TO BE SODDED SHALL RECEIVE 2" (MIN.) OF TOPSOIL. ACCOUNT FOR THICKNESS OF TOPSOIL WITH RESPECT TO FINISHED GRADES.

CITY OF DOTHAN NOTES

1. THE ADDRESSING DISPLAY SHALL ADHERE TO THE CITY OF DOTHAN ADDRESS DISPLAY REQUIREMENTS AS DESCRIBED IN THE CITY'S CODE OF ORDINANCE SECTION 114-185 AND THE CITY OF DOTHAN'S E-911 ADDRESSING STANDARDS AND GUIDELINES.

2. ADDRESS NUMBERS/CHARACTERS MUST BE THREE (3) INCHES IN HEIGHT, PROPORTIONAL IN WIDTH, AND CONTRASTING COLOR TO THE BACKGROUND ATTACHED.

3. ONE SET OF ADDRESS NUMBERS/CHARACTERS, EITHER ON THE STRUCTURE OR MAILBOX/SIGN/MARKER, MUST BE RETROREFLECTIVE (MUST REFLECT LIGHT BACK TO THE SOURCE AT NIGHT). RETROREFLECTIVE NUMBERS/CHARACTERS MUST BE DISPLAYED ON THE SAME SIDE OF THE STRUCTURE FACING THE ADDRESSED ROADWAY OR ON BOTH SIDES OF A MAILBOX OR SIGN/MARKER.

4. BUSINESS STRUCTURES MUST HAVE THE ADDRESS NUMBERS/CHARACTERS PROPERLY DISPLAYED BEFORE OCCUPANCY AND/OR USE. WHEN THE BUILDING IS SUBSTANTIALLY COMPLETE, THE ADDRESS IS TO BE PERMANENTLY DISPLAYED ON THE STRUCTURE. THE ADDRESS MUST BE PERMANENTLY DISPLAYED BEFORE THE CERTIFICATE OF OCCUPANCY OR BUSINESS LICENSE IS ISSUED.

5. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE AS REQUIRED BY THE ENGINEER, PLANS, AND CITY OF DOTHAN REPRESENTATIVE. SILTATION CONTROL MEASURES SHALL BE INSPECTED PER THE NPDES PERMIT REQUIREMENTS. ANY DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY AND NO FURTHER WORK WILL PROCEED UNTIL SAID DEFICIENCIES ARE CORRECTED TO THE CITY OF DOTHAN OR ENGINEER'S APPROVAL.

6. CONTRACTOR TO NOTIFY CITY OF DOTHAN PUBLIC WORKS DEPARTMENT, ENGINEERING SERVICES (334-615-4420) 24 HOURS PRIOR TO STARTING WORK.

7. AFTER FINAL PLANS ARE APPROVED AND A BUILDING PERMIT IS ISSUED, THE CIVIL SITE PLAN SHOWING THE PARKING/EDGE OF PAVING AND BUILDING FOOTPRINT SHALL BE SUBMITTED TO ENGINEERING SERVICES IN AUTOCAD FORMAT FOR INCLUSION IN THE CITY'S GIS SYSTEM BEFORE A CERTIFICATE OF OCCUPANCY (CO) IS ISSUED.

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 DOTHAN 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. SEE THE GEOTECHNICAL INVESTIGATION PERFORMED BY GOODWYN MILLS CAWOOD, LLC., DATED SEPTEMBER 9, 2025 FOR GENERAL EARTHWORK AND PAVEMENT EVALUATIONS AND RECOMMENDATIONS. SPECIFIC CONSTRUCTION CONCERNS AND ACTUAL CONSTRUCTION MEANS AND METHODS ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND FAMILIARIZING HIMSELF WITH THE INVESTIGATION AND THE EVALUATIONS AND RECOMMENDATIONS CONTAINED THEREIN.

9. ALL GRADING OPERATIONS SHALL BE MONITORED BY A QUALIFIED GEOTECHNICAL CONSULTANT AS CHOSEN AND PAID FOR BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING SAID CONSULTANT IN ADVANCE OF ALL REQUIRED TESTING AND SECURING COPIES OF RESULTING REPORTS.

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

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

12. ALL SPOT ELEVATIONS SHOWN REFLECT ELEVATIONS AT GUTTER LINE, ASPHALT, OR FINISHED GROUND ELEVATION, UNLESS OTHERWISE NOTED. TOP AND BOTTOM ELEVATIONS FOR RETAINING WALLS (IF ANY) REPRESENT THE FINISHED GROUND ELEVATION AT THE WALL, NOT FOOTINGS, RAILINGS ETC.

13. ALL STORM DRAINAGE PIPE SHALL BE CLASS 3 MINIMUM REINFORCED CONCRETE PIPE WITH TYPE 1, 2 OR 3 BEDDING UNLESS SPECIFICALLY SHOWN OTHERWISE IN THE PLANS. IF ANOTHER TYPE OF PIPE IS SPECIFIED, BEDDING AND BACKFILL SHALL BE AS PER THE MANUFACTURER'S STANDARDS AND SPECS.

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

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

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

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

18. ALL DRAINAGE STRUCTURES, INLET BOXES, AND CATCH BASINS SHALL HAVE 2" WEEP HOLES FORMED, OR DRILLED, ON ALL SIDES WHERE DRAINAGE PIPES DO NOT INTERFERE WITH THEM. ALL WEEP HOLES SHALL HAVE GRAVEL WRAPPED WITH FILTER FABRIC AT THEIR INTERFACE WITH BACK FILL TO AID GROUNDWATER FLOW TO THE WEEP HOLE.

19. THE CONTRACTOR SHALL USE SPILL OUT CURB AND GUTTER AS REQUIRED TO ENSURE POSITIVE DRAINAGE AND THAT NO WATER IS HELD IN THE LOW POINTS OF GUTTERS. THE TRANSITION FROM STANDARD GUTTER TO SPILLOUT GUTTER SHALL BE SMOOTH AND AESTHETICALLY PLEASING.

20. THE CONTRACTOR SHALL ENSURE THAT ALL SIDEWALKS, RAMPS, AND ACCESSIBLE PARKING AREAS ARE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT AMERICANS WITH DISABILITIES ACT AND ARCHITECTURAL BARRIERS ACT ACCESSIBILITY GUIDELINES.

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

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

23. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE AREAS TO BE USED FOR LAYDOWN AND TRAILERS. THE CONTRACTOR SHALL RESTORE ALL THE AREAS USED FOR LAYDOWN AND TRAILER TO THEIR ORIGINAL CONDITION.

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

25. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF WALKS, DOORS, UTILITY SERVICE TIE-INS (LOCATION, SIZE, AND ELEVATION), ROOF DRAINS, BUILDING DIMENSIONS, ETC. WITH THE ARCHITECTURAL, STRUCTURAL, PLUMBING, MECHANICAL, ELECTRICAL, AND FIRE PROTECTION PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE WORK OF OTHER TRADES PRIOR TO INSTALLING THE IMPROVEMENTS SHOWN ON THESE PLANS.

26. THE BOUNDARY INFORMATION SHOWN IN THESE PLANS WAS PROVIDED TO GOODWYN MILLS CAWOOD, LLC BY NORTHSTAR ENGINEERING SERVICES. GOODWYN MILLS CAWOOD, LLC DOES NOT WARRANT THE ACCURACY OF THIS INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SATISFY HIM/HERSELF OF THE ACCURACY OF THE SURVEY INFORMATION PRIOR TO COMMENCING CONSTRUCTION.

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.

PERMANENT SEEDING SPECIFICATION

1. SEED MIXES

REFERENCE: ALDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2022 EDITION OR MOST CURRENT, SECTION 650, SECTION 652, SECTION 860, AND OTHERS AS APPLICABLE.

ZONE 3 - AREAS SUBJECT TO FREQUENT MOWING (REQUIRED LBS. PER ACRE)

DATE OF PLANTING	SEPT. 1 - FEB. 29		MAR. 1 - AUG. 31		MAR. 1 - AUG. 31
ANNUAL RYEGRASS	10	25			
HULLED BERMUDAGRASS			18		
UNHULLED BERMUDAGRASS	30		12		12
ANNUAL LESPEDEZA (KOBE)			38		24
PENSACOLA BAHIA GRASS					47
RESEEDING CRIMSON CLOVER	5				
NOTES	1	2	3		3
REQ'D PERMANENT PLANT	BERMUDAGRASS				PENSACOLA BAHIA GRASS

1. DURING THIS SEASON RYEGRASS, BERMUDAGRASS AND CLOVER ARE REQUIRED WHERE VEGETATION MUST BE ESTABLISHED WITHIN AN AREA NO FURTHER THAN 15 FEET FROM THE EDGE OF MAINLINE PAVEMENT. (THIS IS USUALLY REQUIRED FOR SHORT DURATION WORK THAT IS DONE ON PAVEMENT RESURFACING PROJECTS.) 2. ANNUAL RYEGRASS IS REQUIRED WHERE VEGETATION MUST BE ESTABLISHED WITHIN AN AREA THAT EXTENDS FURTHER THAN 15 FEET FROM THE EDGE OF MAINLINE PAVEMENT. SEEDING IN STUBBLE FOR THE ESTABLISHMENT OF PERMANENT VEGETATION IS REQUIRED DURING THE FOLLOWING MONTH OF MARCH. 3. BERMUDAGRASS WILL BE REQUIRED AS THE PERMANENT PLANT IT IS NOT SHOWN ON THE PLANS THAT PENSACOLA BAHIA GRASS WILL BE REQUIRED AS THE PERMANENT PLANT.

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

DATE OF PLANTING	JAN. 1 - FEB. 15	FEB. 16 - AUG. 31	SEPT. 1 - NOV. 30	DEC. 1 - DEC. 31
ANNUAL RYEGRASS	10		10	10
HULLED BERMUDAGRASS		12	12	
UNHULLED BERMUDAGRASS	29	18	12	29
TALL FESCUE	29		35	29
WEEPING LOVEGRASS		2	2	
ANNUAL LESPEDEZA (KOBE)		50		
RESEEDING CRIMSON CLOVER	29		29	29
PENSACOLA BAHIA GRASS	29	24	29	29
REQ'D PERMANENT PLANT		MIXED		

2. FERTILIZER

APPLY 4000 LBS. AGRICULTURAL LIMESTONE PER ACRE.
APPLY 1000 LBS. OF FERTILIZER PER ACRE FOR GRASS SEEDING OR AS RECOMMENDED BY MANUFACTURER.
LIME AND FERTILIZER ARE TO BE DISKED INTO THE SOIL SURFACE TO A MINIMUM DEPTH OF 4 INCHES.

MANUFACTURED FERTILIZER

TYPE	NITROGEN	PHOSPHORUS (P2O5)	POTASH (K2O)
15-0-15	15	0	15
13-13-13	13	13	13
10-10-10	10	10	10
8-8-8	8	8	8
0-14-14	0	14	14
4-12-12	4	12	12
4-16-8	4	16	8
SUPER PHOSPHATE	0	18	0
AMMONIUM NITRATE	33.5	0	0
AMMONIUM SULPHATE	20.5	0	0
SODIUM NITRATE	16	0	0
POTASSIUM CHLORIDE	0	0	60

3. GENERAL NOTES AND MAINTENANCE

AFTER SEEDING, THE AREA IS TO BE ROLLED OR CULTIPACKED TO ENSURE THAT THE SEED IS PRESSED INTO CONTACT WITH SOIL SURFACE. ALL SEEDED AREAS ARE TO BE MULCHED WITH STRAW MULCH AT THE RATE OF 4000 LBS. PER ACRE. (APPROX. 100 BALES PER ACRE.) APPLY ASPHALT EMULSION TO THE STRAW MULCH AT THE RATE OF 150 GALLONS PER ACRE.

THE ABOVE DESCRIBED SEEDING RECOMMENDATIONS AND RATES HAVE BEEN PREPARED FOR SELECTION OF A VEGETABLE COVER SUITABLE FOR SOIL EROSION CONTROL IN PLANTING ZONE 3 AS DEFINED BY THE ALDOT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION, 2022 EDITION. THE CONTRACTOR SHALL VERIFY THE PLANTING ZONE THE PROJECT IS LOCATED WITHIN AND ALERT THE PROJECT ENGINEER OF ANY DISCREPANCIES.

MAINTENANCE

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

TEMPORARY SEEDING SPECIFICATION

REFERENCE: ALDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2022 EDITION OR MOST CURRENT, SECTION 665, SECTION 860, AND OTHERS AS APPLICABLE.

SEPTEMBER - DECEMBER	
ANNUAL RYE GRASS	25 LBS. PER ACRE
KENTUCKY 31 FESCUE	30 LBS. PER ACRE
RESEEDING CRIMSON CLOVER	10 LBS PER ACRE
JANUARY - APRIL 15	
KENTUCKY 31 FESCUE	30 LBS. PER ACRE
RESEEDING CRIMSON CLOVER	30 LBS. PER ACRE
ANNUAL RYEGRASS	15 LBS. PER ACRE
APRIL 16 - AUGUST	
BROWN TOP MILLET	30 LBS. PER ACRE
KENTUCKY 31 FESCUE	30 LBS. PER ACRE
HULLED BERMUDA GRASS	10 LBS. PER ACRE

AFTER SEEDING, THE AREA IS TO BE ROLLED OR CULTIPACKED TO ENSURE THAT THE SEED IS PRESSED INTO CONTACT WITH SOIL SURFACE. ALL SEEDED AREAS ARE TO BE MULCHED WITH STRAW MULCH AT THE RATE OF 4000 LBS. PER ACRE. (APPROX. 100 BALES PER ACRE.) APPLY ASPHALT EMULSION TO THE STRAW MULCH AT THE RATE OF 150 GALLONS PER ACRE.

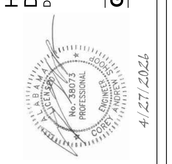
GMC
2400 5th Avenue S, Suite 200
Birmingham, AL 35233
T 205.879.4462
GMCNETWORK.COM

ISSUE DATE
ISSUE FOR BID 04.27.2026

DRAWN BY:
CHECKED BY:

HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

GMC Project # ABHM250019



PROJECT NOTES

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S 08°04'24" W 157.22 FT

S 81°57'23" E 347.00 FT

N/F WIREGRASS MENTAL HEALTH BOARD INC P.O. BOX 1245 DOTHAN, AL 36302 ZONING B-2

N 08°01'06" E 393.94 FT

N 08°04'24" E 500.00 FT

S 81°57'23" E 330.00 FT

EIP (1" PIPE)

EIP (1/2" REBAR)

NW 1/4 OF THE NE 1/4 OF SECTION 31, T3N, R27E

SE 1/4 OF THE NE 1/4 OF SECTION 31, T3N, R27E

LOT 1
5.47± ACRES

PARCEL ID# 0000110000180000

BUILDING

WOODS LINE

COVERED PORCH

CONCRETE

WALL

GATE

PORTER TRAIL (60' R/W)

N 89°58'49" E 330.00 FT

N 89°49'49" W 513.00 FT

EDGE OF ASPHALT

N 00°45'04" E 119.69 FT

S 00°40'12" W 120.66 FT

S 00°36'32" W 99.48 FT

S 00°31'06" W 160.17 FT

EIP (1/2" PIPE)

EIP (1/2" PIPE)

EIP (1/2" PIPE)

PATRICIA N/F ANN MURPHY 3504 ALCAN WAY DOTHAN, AL 36301 ZONING R-1

EASTWOOD HILLS SUBDIVISION (PLAT BOOK 1, PAGE 96)

BLOCK "A"

LOT 4 — ROBERT E. THOMAS III 3502 EASTWOOD DRIVE DOTHAN, AL 36301 ZONING R-1

LOT 5 — K'AMARIAN N/F MELLENDER 3512 EASTWOOD DRIVE DOTHAN, AL 36301 ZONING R-1

LOT 6 — SAMUEL K. MUTTO 3520 EASTWOOD DRIVE DOTHAN, AL 36301 ZONING R-1

LOT 3 — PEGGIE CODINA 3528 EASTWOOD DRIVE DOTHAN, AL 36301 ZONING R-1

LOT 2 — JAMES R. SMITH ET AL 3536 EASTWOOD DRIVE DOTHAN, AL 36301 ZONING R-1

LOT 1 — THH, BH, ET AL 3544 EASTWOOD DRIVE DOTHAN, AL 36301 ZONING R-1

SOUTH LINE OF LOT 1 PER EASTWOOD HILLS SUBDIVISION PLAT

WEST LINE OF LOT 1 PER EASTWOOD HILLS SUBDIVISION PLAT

15" RCP CONCRETE REMOVAL INV. EL=341.11'

15" RCP CONCRETE REMOVAL INV. EL=340.00'

15" RCP CONCRETE REMOVAL INV. EL=337.23'

15" RCP CONCRETE REMOVAL INV. EL=336.45'

MANHOLE TOP EL=343.49' INV. EL=334.49'

MANHOLE TOP EL=343.07' INV. EL=341.22'

MANHOLE TOP EL=341.52' INV. EL=334.30'

MANHOLE TOP EL=344.63' INV. EL=336.61'

MANHOLE TOP EL=341.18' INV. EL=334.18'

MANHOLE TOP EL=340.28' INV. EL=334.28'

MANHOLE TOP EL=335.49' INV. EL=329.09'

MANHOLE TOP EL=331.49' INV. EL=322.87'

MANHOLE TOP EL=334.25' INV. EL=330.43'

18" RCP INV. EL=335.75'

8" PVC INV. EL=329.70'

8" PVC INV. EL=325.80'

8" PVC INV. EL=322.87'

8" PVC INV. EL=322.79'

8" PVC DIRECTION

8" PVC INV. EL=344.49'

8" PVC INV. EL=341.18'

8" PVC INV. EL=334.18'

8" PVC INV. EL=330.43'

8" PVC DIRECTION

SCALE 1" = 30'

30' 15' 0' 30' 60'

N

EXISTING CONDITIONS

C-002
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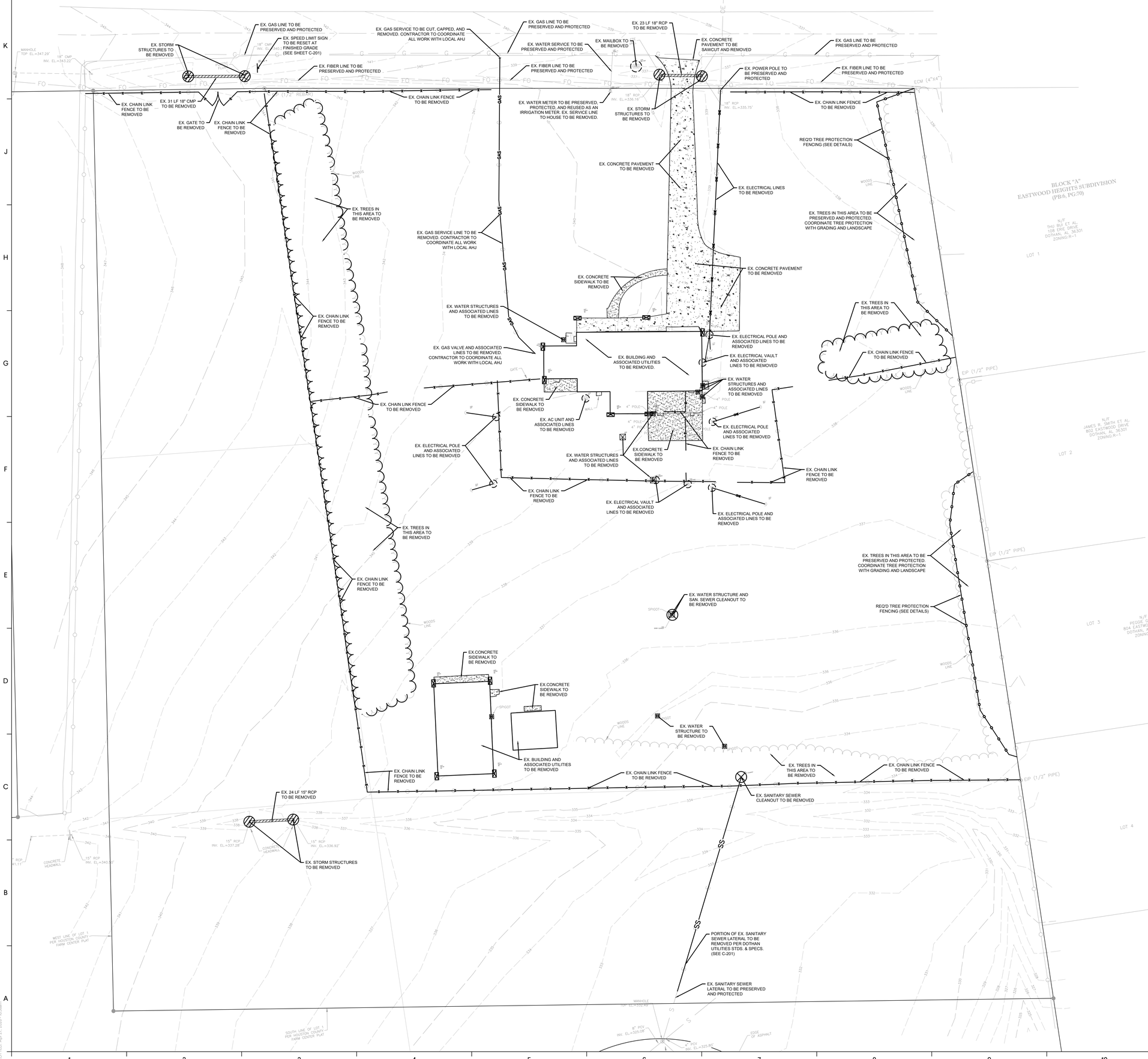
HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

GMC Project # ABHM250019

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CITY OF DOTHAN NOTES

1. THE ADDRESSING DISPLAY SHALL ADHERE TO THE CITY OF DOTHAN ADDRESS DISPLAY REQUIREMENTS AS DESCRIBED IN THE CITY'S CODE OF ORDINANCE SECTION 114-185 AND THE CITY OF DOTHAN'S E-911 ADDRESSING STANDARDS AND GUIDELINES.
2. ADDRESS NUMBERS/CHARACTERS MUST BE THREE (3) INCHES IN HEIGHT, PROPORTIONAL IN WIDTH, AND CONTRASTING COLOR TO THE BACKGROUND ATTACHED.
3. ONE SET OF ADDRESS NUMBERS/CHARACTERS, EITHER ON THE STRUCTURE OR MAILBOX/SIGN/MARKER, MUST BE RETROREFLECTIVE (MUST REFLECT LIGHT BACK TO THE SOURCE AT NIGHT). RETROREFLECTIVE NUMBERS/CHARACTERS MUST BE DISPLAYED ON THE SAME SIDE OF THE STRUCTURE FACING THE ADDRESSED ROADWAY OR ON BOTH SIDES OF A MAILBOX OR SIGN/MARKER.
4. BUSINESS STRUCTURES MUST HAVE THE ADDRESS NUMBERS/CHARACTERS PROPERLY DISPLAYED BEFORE OCCUPANCY AND/OR USE. WHEN THE BUILDING IS SUBSTANTIALLY COMPLETE, THE ADDRESS IS TO BE PERMANENTLY DISPLAYED ON THE STRUCTURE. THE ADDRESS MUST BE PERMANENTLY DISPLAYED BEFORE THE CERTIFICATE OF OCCUPANCY OR BUSINESS LICENSE IS ISSUED.
5. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE AS REQUIRED BY THE ENGINEER, PLANS, AND CITY OF DOTHAN REPRESENTATIVE. SILTATION CONTROL MEASURES SHALL BE INSPECTED PER THE NPDES PERMIT REQUIREMENTS. ANY DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY AND NO FURTHER WORK WILL PROCEED UNTIL SAID DEFICIENCIES ARE CORRECTED TO THE CITY OF DOTHAN OR ENGINEER'S APPROVAL.
6. CONTRACTOR TO NOTIFY CITY OF DOTHAN PUBLIC WORKS DEPARTMENT, ENGINEERING SERVICES (334-615-4420) 24 HOURS PRIOR TO STARTING WORK.
7. AFTER FINAL PLANS ARE APPROVED AND A BUILDING PERMIT IS ISSUED, THE CIVIL SITE PLAN SHOWING THE PARKING/EDGE OF PAVING AND BUILDING FOOTPRINT SHALL BE SUBMITTED TO ENGINEERING SERVICES IN AUTOCAD FORMAT FOR INCLUSION IN THE CITY'S GIS SYSTEM BEFORE A CERTIFICATE OF OCCUPANCY (CO) IS ISSUED.

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.

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DOTHAN, ALABAMA

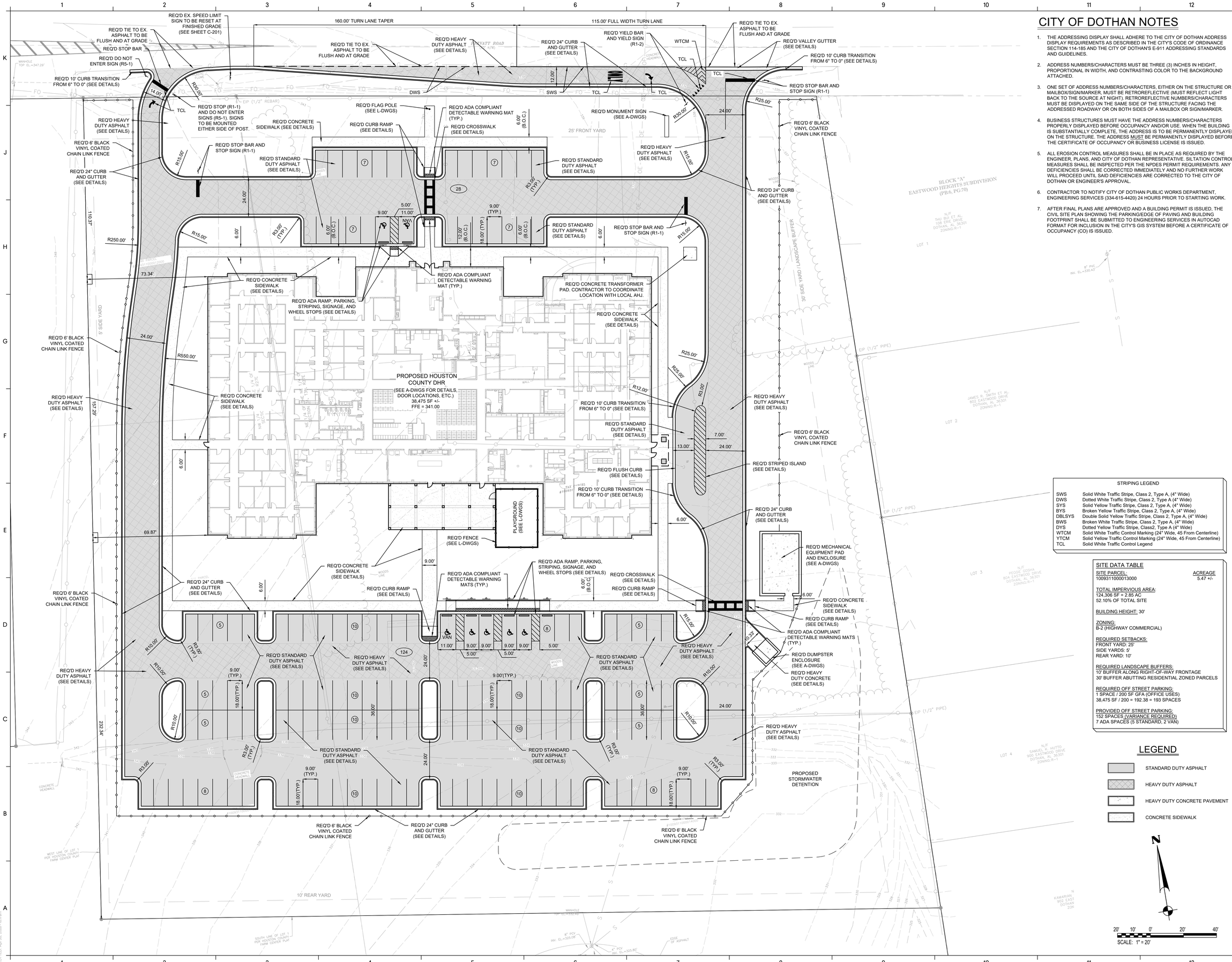
GMC Project # ABHM250019

4/27/2026

DEMOLITION PLAN

C-003
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PLOTTED: Apr 27, 2026 - 10:56am



CITY OF DOTHAN NOTES

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STRIPING LEGEND

SWS	Solid White Traffic Stripe, Class 2, Type A, (4" Wide)
DWS	Dotted White Traffic Stripe, Class 2, Type A (4" Wide)
SYS	Solid Yellow Traffic Stripe, Class 2, Type A, (4" Wide)
BYS	Broken Yellow Traffic Stripe, Class 2, Type A, (4" Wide)
DBLSYS	Double Solid Yellow Traffic Stripe, Class 2, Type A, (4" Wide)
BWS	Broken White Traffic Stripe, Class 2, Type A, (4" Wide)
DYS	Dotted Yellow Traffic Stripe, Class2, Type A (4" Wide)
WTCM	Solid White Traffic Control Marking (24" Wide, 45 From Centerline)
YTCM	Solid Yellow Traffic Control Marking (24" Wide, 45 From Centerline)
TCL	Solid White Traffic Control Legend

SITE DATA TABLE

SITE PARCEL: 10093110000013000 — ACREAGE 5.47 +/-

TOTAL IMPERVIOUS AREA:
124,306 SF = 2.85 AC
52.10% OF TOTAL SITE

BUILDING HEIGHT: 30'

ZONING:
B-2 (HIGHWAY COMMERCIAL)

REQUIRED SETBACKS:
FRONT YARD: 25'
SIDE YARDS: 5'
REAR YARD: 10'

REQUIRED LANDSCAPE BUFFERS:
10' BUFFER ALONG RIGHT-OF-WAY FRONTAGE
30' BUFFER ABUTTING RESIDENTIAL ZONED PARCELS

REQUIRED OFF STREET PARKING:
1 SPACE / 200 SF GFA (OFFICE USES)
38,475 SF / 200 = 192.38 = 193 SPACES

PROVIDED OFF STREET PARKING:
152 SPACES (VARIANCE REQUIRED)
7 ADA SPACES (5 STANDARD, 2 VAN)

LEGEND

- STANDARD DUTY ASPHALT
- HEAVY DUTY ASPHALT
- HEAVY DUTY CONCRETE PAVEMENT
- CONCRETE SIDEWALK

SCALE: 1" = 20'

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DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

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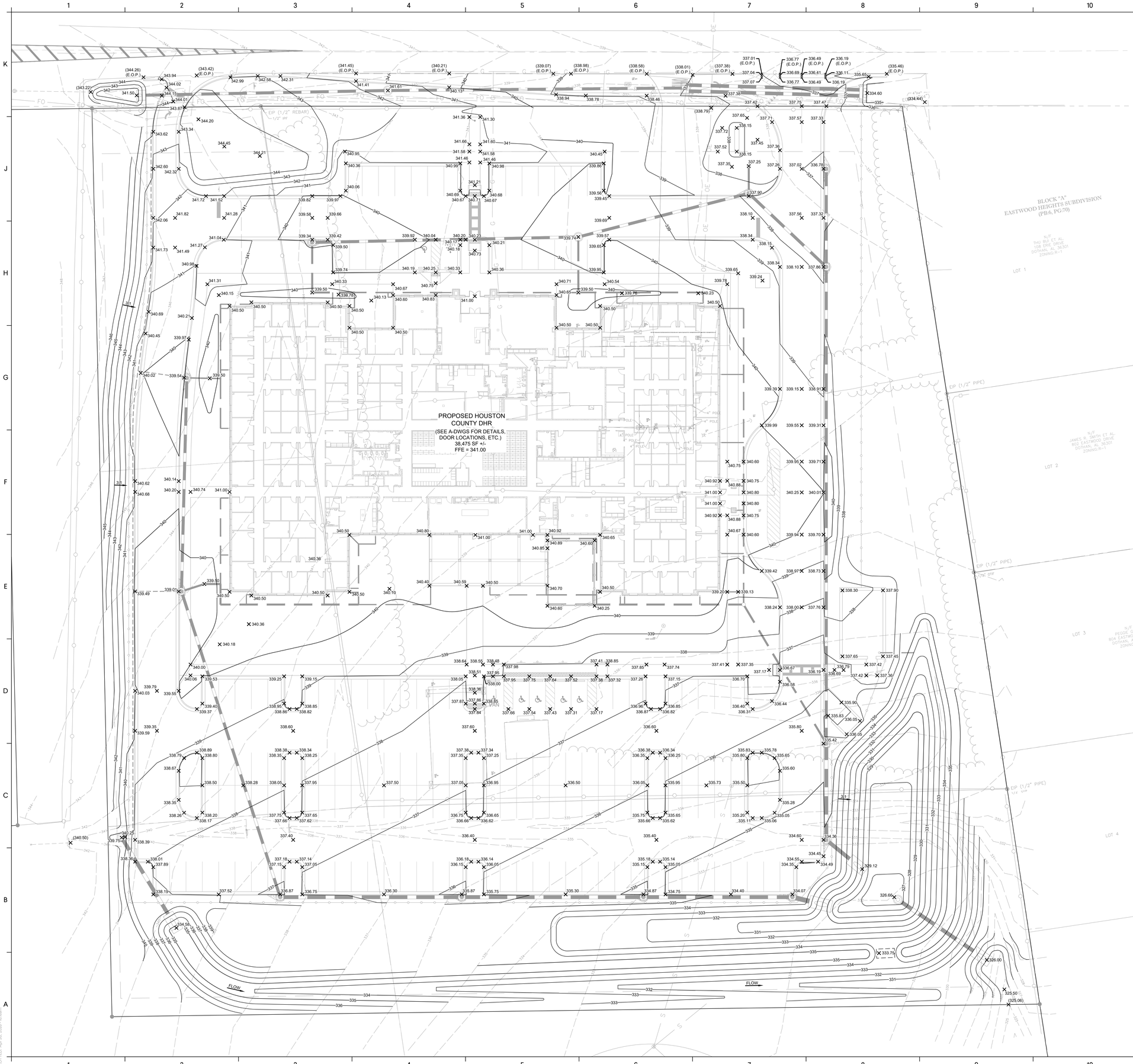
ALABAMA REGISTERED PROFESSIONAL ENGINEER CHET ANDREWS 26381 4/27/2026

SITE LAYOUT PLAN

C-101

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CITY OF DOTHAN NOTES

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DETENTION POND NOTES

1. AFTER CONSTRUCTION OF THE DETENTION POND, THE CONTRACTOR SHALL PERFORM AN AS-BUILT SURVEY OF THE DETENTION POND AND OUTLET CONTROL STRUCTURE. THIS AS-BUILT SURVEY SHALL BE PROVIDED TO THE ENGINEER OF RECORD TO VERIFY THE DETENTION POND PERFORMS AS DESIGNED.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE AS-BUILT SURVEY AND POND CERTIFICATION LETTER WITH THE ENGINEER OF RECORD PRIOR TO A CERTIFICATE OF OCCUPANCY BEING ISSUED.

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DOTHAN, ALABAMA

GMC Project # ABHM250019

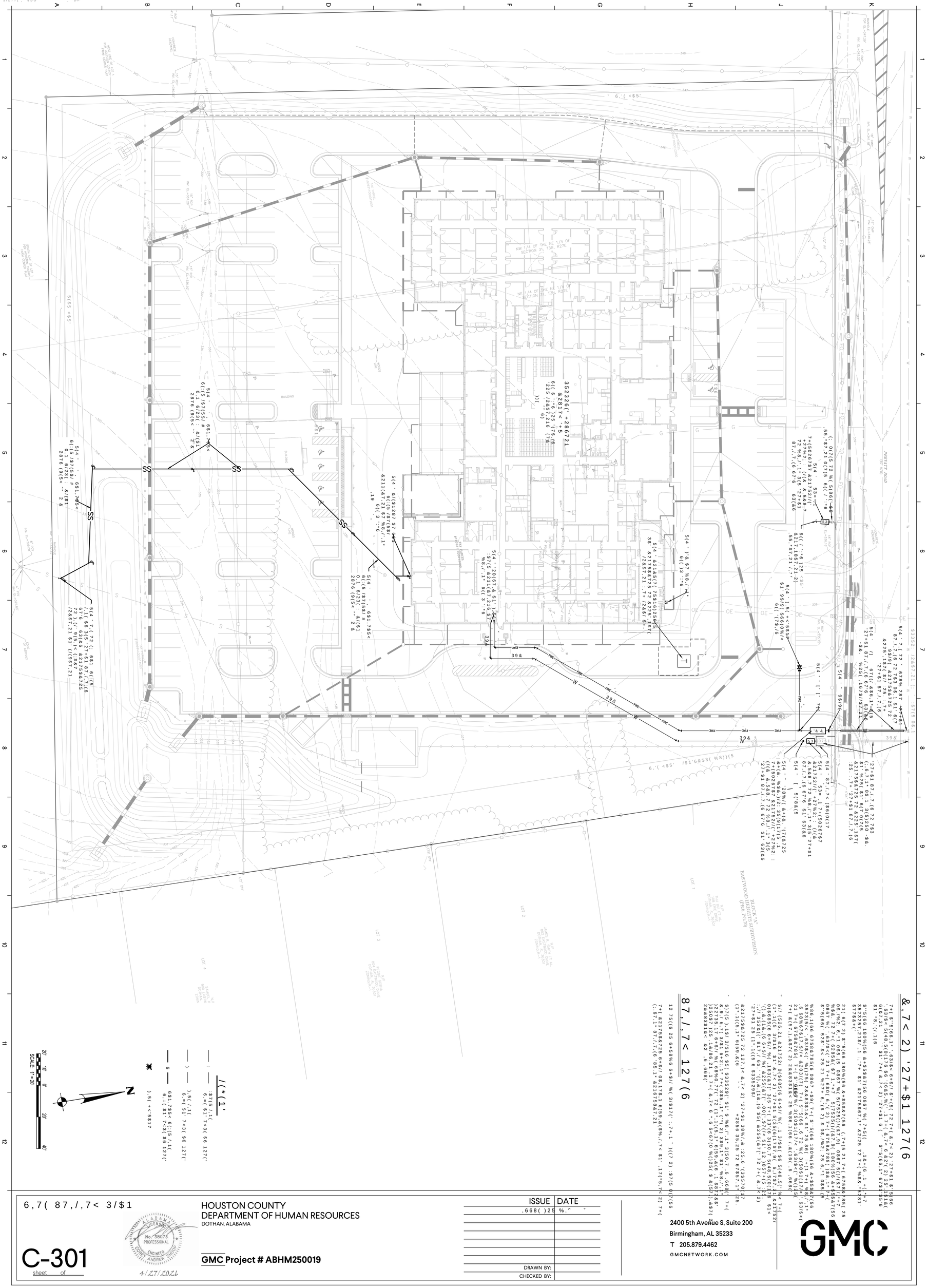
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GRADING PLAN

C-201

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SCALE: 1"=20'
20' 10' 0' 20' 40'
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6,7(87,/,7< 3/$1
HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA
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4/27/2026

REQ'D JB-21
TOP=341.58
FL(18" RCP IN)=337.35
FL(18" RCP OUT)=337.35

REQ'D JB-20
TOP=338.00
FL(18"" RCP IN)=335.00
FL(14"x22" RCAPs OUT)=335.00

REQ'D SPHW-22
FL(18" RCP)=341.50

REQ'D 138 LF 18" CLASS V RCP
@ 3.00% SLOPE

REQ'D 164 LF 18" CLASS V RCP
@ 1.43% SLOPE

REQ'D 2 - 100 LF 14"x22" CLASS V RCAPs
@ 0.40% SLOPE

REQ'D SPHW-19
FL(14"x22" RCAPs)=334.80

STORM RUN 5
STA: 0+00.00

REQ'D 24" PVC DRAIN
BASIN W/ GRATE TOP
TOP=337.25
FL(12" PVC OUT)=334.82

REQ'D 15 LF 12" PVC
@ 8.00% SLOPE

REQ'D SWCI-13
TOP=338.40
THROAT=337.40
FL(12" PVC IN)=333.62
FL(18" RCP IN)=333.12
FL(18" RCP OUT)=333.12

REQ'D DWCI-16
TOP=337.28
THROAT=336.28
FL(18" RCP OUT)=333.07

REQ'D JB-14
TOP=339.74
FL(12" PVC IN)=334.59
FL(18" RCP IN)=334.09
FL(18" RCP OUT)=334.09

REQ'D 97 LF 18" RCP
@ 1.00% SLOPE

REQ'D 59 LF 18" RCP
@ 1.00% SLOPE

REQ'D 54 LF 18" RCP
@ 1.00% SLOPE

REQ'D DWCI-15
TOP=339.84
THROAT=338.84
FL(12" PVC IN)=336.61
FL(18" RCP OUT)=336.11

REQ'D 147 LF 18" RCP
@ 1.37% SLOPE

REQ'D 4" FRENCH DRAIN
@ 0.50% MIN. SLOPE

REQ'D 24" PVC DRAIN
BASIN W/ GRATE TOP
TOP=339.50
FL(12" PVC IN)=336.89
FL(12" PVC OUT)=336.89

REQ'D 28 LF 12" PVC
@ 1.00% SLOPE

REQ'D 31 LF 12" PVC
@ 1.00% SLOPE

REQ'D 38 LF 8" PVC
@ 1.00% SLOPE

REQ'D 69 LF 8" PVC
@ 1.00% SLOPE

REQ'D 16 LF 6" ROOF
DRAIN LATERAL @
1.00% MIN. SLOPE

REQ'D 48 LF 8" PVC
@ 1.00% SLOPE

REQ'D 8 LF 6" ROOF
DRAIN LATERAL
@ 1.00% MIN. SLOPE

STORM RUN 3-A
STA: 0+00.00

REQ'D SWCI-12
TOP=338.50
THROAT=337.50
FL(18" RCP IN)=332.53
FL(18" RCP OUT)=332.53

REQ'D 24" PVC DRAIN
BASIN W/ GRATE TOP
TOP=339.50
FL(8" PVC IN)=337.43
FL(8" PVC OUT)=337.43

REQ'D 41 LF 8" PVC
@ 1.00% SLOPE

REQ'D 22 LF 12" PVC
@ 1.00% SLOPE

REQ'D 9 LF 6" ROOF
DRAIN LATERAL @
1.00% MIN. SLOPE

REQ'D 10 LF 6" ROOF
DRAIN LATERAL @
1.00% MIN. SLOPE

REQ'D 5 LF 6" ROOF
DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 24" PVC DRAIN
BASIN W/ GRATE TOP
TOP=339.50
FL(8" PVC IN)=335.23
FL(12" PVC OUT)=334.90

REQ'D 8 LF 6" ROOF
DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 10 LF 6" ROOF
DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 25 LF 4" PVC
FRENCH DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 4 LF 6" ROOF
DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 5 LF 8" PVC
@ 1.00% SLOPE

REQ'D 27 LF 8" PVC
@ 1.00% SLOPE

REQ'D 12 LF 6" ROOF
DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 163 LF 8" PVC
@ 2.00% SLOPE

REQ'D DWCI-8
TOP=340.05
THROAT=339.05
FL(4" PVC IN)=337.64
FL(8" PVC IN)=337.30
FL(18" RCP OUT)=336.47

REQ'D 4 LF 6" ROOF
DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 13 LF 8" PVC
@ 1.00% SLOPE

PROPOSED HOUSTON
COUNTY DHR
(SEE A-DWGS FOR DETAILS,
DOOR LOCATIONS, ETC.)
38,475 SF +/-
FFE = 341.00

REQ'D 118 LF 18" RCP
@ 1.00% SLOPE

REQ'D 4" FRENCH DRAIN
@ 0.50% MIN. SLOPE

REQ'D 7 LF 6" ROOF
DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 14 LF 6" ROOF
DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 1 LF 6" ROOF
DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 3 LF 6" ROOF
DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 47 LF
8" PVC @
1.00% SLOPE

REQ'D 4 LF 6" ROOF
DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 33 LF 8" PVC
@ 1.00% SLOPE

REQ'D 61 LF
8" PVC @
1.00% SLOPE

REQ'D 12 LF 6" ROOF
DRAIN LATERAL @
1.00% MIN. SLOPE

REQ'D 24" PVC DRAIN
BASIN W/ GRATE TOP
TOP=339.50
FL(12" PVC IN)=335.92
FL(12" PVC OUT)=335.92

REQ'D 4 LF 6" ROOF
DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 5 LF 6" ROOF
DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 28 LF
8" PVC @
1.00% SLOPE

REQ'D 4 LF 6" ROOF DRAIN
LATERAL @ 1.00% MIN.
SLOPE

REQ'D 4" FRENCH DRAIN
@ 0.50% MIN. SLOPE

REQ'D 25 LF 4" PVC
FRENCH DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 7 LF 6" ROOF
DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 95 LF 12" PVC
@ 1.00% SLOPE

REQ'D 50 LF 6" PVC
ROOF DRAIN
LATERAL @ 1.00%
MIN. SLOPE

REQ'D 35 LF 6" ROOF
DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 1 LF 6" ROOF
DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 80 LF 12" PVC
@ 1.00% SLOPE

REQ'D 4 LF 6" ROOF
DRAIN LATERAL
@ 1.00% MIN. SLOPE

REQ'D 24" PVC DRAIN
BASIN W/ SOLID TOP
TOP=338.85
FL(8" PVC IN)=333.50
FL(12" PVC IN)=333.17
FL(12" PVC OUT)=333.17

REQ'D 89 LF 12" PVC
@ 2.54% SLOPE

REQ'D YARD DRAIN
(SEE DETAILS)
TOP=337.43

REQ'D 19 LF 6" PVC
@ 1.00% MIN SLOPE
DAYLIGHT PIPE IN POND

REQ'D DWCI-7
TOP=339.51
THROAT=338.51
FL(4" PVC IN)=336.46
FL(12" PVC IN)=335.79
FL(18" RCP IN)=335.29
FL(18" RCP OUT)=335.29

REQ'D 13 LF
12" PVC @
1.00% SLOPE

REQ'D 177 LF 18" RCP
@ 1.00% SLOPE

REQ'D SWCI-11
TOP=335.92
THROAT=334.92
FL(12" PVC IN)=330.91
FL(18" RCP IN)=329.91
FL(24" RCP OUT)=329.91

REQ'D 4" FRENCH DRAIN
@ 0.50% MIN. SLOPE

REQ'D 262 LF 18" RCP
@ 1.00% SLOPE

REQ'D 83 LF 24" RCP
@ 1.00% SLOPE

REQ'D TIE FRENCH
DRAIN TO YARD INLET

REQ'D DWCI-10
TOP=334.86
THROAT=333.86
FL(24" RCP IN)=329.38
FL(24" RCP OUT)=329.38

REQ'D 26 LF 24" RCP
@ 1.00% SLOPE

REQ'D SPHW-9
FL(24" RCP)=329.12

REQ'D YI-18
TOP=341.08
THROAT=339.75
FL(4" PVC IN)=337.41
FL(24" RCP OUT)=335.16

REQ'D SWCI-6
TOP=337.37
THROAT=336.37
FL(18" RCP IN)=333.52
FL(24" RCP OUT)=333.52

REQ'D SWCI-5
TOP=336.37
THROAT=335.37
FL(24" RCP IN)=332.52
FL(24" RCP OUT)=332.52

REQ'D SWCI-4
TOP=335.37
THROAT=334.37
FL(24" RCP IN)=331.52
FL(24" RCP OUT)=331.52

REQ'D SWCI-3
TOP=334.57
THROAT=333.57
FL(24" RCP IN)=330.70
FL(30" RCP OUT)=330.20

REQ'D 100 LF 24" RCP
@ 1.00% SLOPE

REQ'D 100 LF 24" RCP
@ 1.00% SLOPE

REQ'D 82 LF 24" RCP
@ 1.00% SLOPE

STORM RUN 3
STA: 0+00.00

REQ'D OCS
(SEE DETAILS)
TOP=333.75
FL(24" RCP)=326.66

REQ'D 20 LF 30" RCP
@ 1.00% SLOPE

REQ'D SPHW-2
FL(30" RCP)=330.00

STORM RUN 2
STA: 0+00.00

REQ'D 29 LF 24" RCP
@ 1.72% SLOPE

REQ'D SPHW-1
FL(24" RCP)=326.00

STORM RUN 1
STA: 0+00.00

STORM RUN 4
STA: 0+00.00

REQ'D SPHW-17
FL(24" RCP)=334.58

BLOCK "A"
EASTWOOD HEIGHTS SUBDIVISION
(PB.6, PG.70)

N/F
THU BUI ET AL
108 DRE DRIVE
DOTHAN, AL 36301
ZONING:R-1

N/F
JAMES R. SMITH ET AL
804 EASTWOOD DRIVE
DOTHAN, AL 36301
ZONING:R-1

N/F
PEGGIE WOSHA
804 EASTWOOD DRIVE
DOTHAN, AL 36301
ZONING:R-1

N/F
SAMUEL K.
900 EASTWOOD
DOTHAN, A
ZONIN

LOT 1
LOT 2
LOT 3
LOT 4

PREVATT ROAD
(50' R/W)

CIP (1/2" REBAR)
1/2" IPF

CIP (1/2" PIPE)
1/2" DIP

WOODS LINE
BUILDING
CONCRETE HEADWALL
PLAYGROUND EQUIPMENT
VAN
MANHOLE
SOUTH LINE OF LOT 1
PER HOUSTON COUNTY
FARM CENTER PLAT
WEST LINE OF LOT 1
PER HOUSTON COUNTY
FARM CENTER PLAT
EDGE OF ASPHALT

LEGEND

- 580 — FINISHED GRADE CONTOUR LINE
- 576 — EXISTING GRADE CONTOUR LINE
- STORM DRAINAGE PIPES (SIZE & TYPE AS NOTED)
- SINGLE WINGED STORM INLET
- JUNCTION BOX
- GRATE INLET
- PVC DRAIN BASIN

SCALE: 1" = 20'

CITY OF DOTHAN NOTES

1. THE ADDRESSING DISPLAY SHALL ADHERE TO THE CITY OF DOTHAN ADDRESS DISPLAY REQUIREMENTS AS DESCRIBED IN THE CITY'S CODE OF ORDINANCE SECTION 114-185 AND THE CITY OF DOTHAN'S E-911 ADDRESSING STANDARDS AND GUIDELINES.
2. ADDRESS NUMBERS/CHARACTERS MUST BE THREE (3) INCHES IN HEIGHT, PROPORTIONAL IN WIDTH, AND CONTRASTING COLOR TO THE BACKGROUND ATTACHED.
3. ONE SET OF ADDRESS NUMBERS/CHARACTERS, EITHER ON THE STRUCTURE OR MAILBOX/SIGN/MARKER, MUST BE RETROREFLECTIVE (MUST REFLECT LIGHT BACK TO THE SOURCE AT NIGHT). RETROREFLECTIVE NUMBERS/CHARACTERS MUST BE DISPLAYED ON THE SAME SIDE OF THE STRUCTURE FACING THE ADDRESSED ROADWAY OR ON BOTH SIDES OF A MAILBOX OR SIGN/MARKER.
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6. CONTRACTOR TO NOTIFY CITY OF DOTHAN PUBLIC WORKS DEPARTMENT, ENGINEERING SERVICES (334-615-4420) 24 HOURS PRIOR TO STARTING WORK.
7. AFTER FINAL PLANS ARE APPROVED AND A BUILDING PERMIT IS ISSUED, THE CIVIL SITE PLAN SHOWING THE PARKING/EDGE OF PAVING AND BUILDING FOOTPRINT SHALL BE SUBMITTED TO ENGINEERING SERVICES IN AUTOCAD FORMAT FOR INCLUSION IN THE CITY'S GIS SYSTEM BEFORE A CERTIFICATE OF OCCUPANCY (CO) IS ISSUED.

DETENTION POND NOTES

1. AFTER CONSTRUCTION OF THE DETENTION POND, THE CONTRACTOR SHALL PERFORM AN AS-BUILT SURVEY OF THE DETENTION POND AND OUTLET CONTROL STRUCTURE. THIS AS-BUILT SURVEY SHALL BE PROVIDED TO THE ENGINEER OF RECORD TO VERIFY THE DETENTION PERFORMS AS DESIGNED.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE AS-BUILT SURVEY AND POND CERTIFICATE LETTER WITH THE ENGINEER OF RECORD PRIOR TO A CERTIFICATE OF OCCUPANCY BEING ISSUED.

GMC
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Birmingham, AL 35233
T 205.879.4462
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HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

GMC Project # ABHM250019

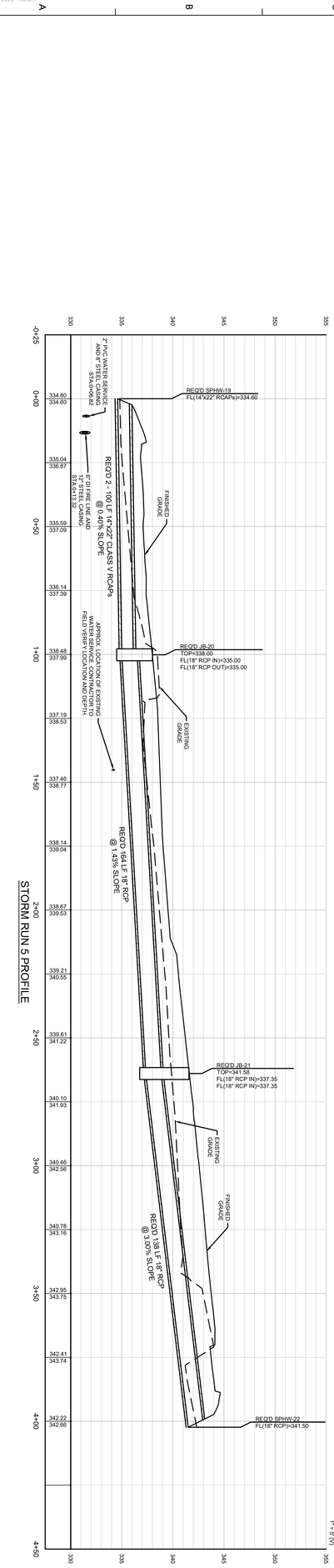
ALABAMA LICENSED PROFESSIONAL ENGINEER 26807 COREY ANDREW KEITH 4/27/2026

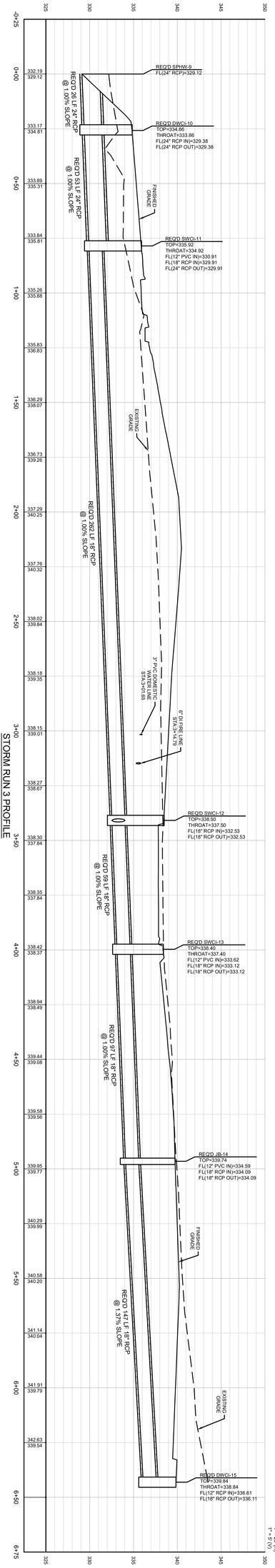
DRAINAGE PLAN

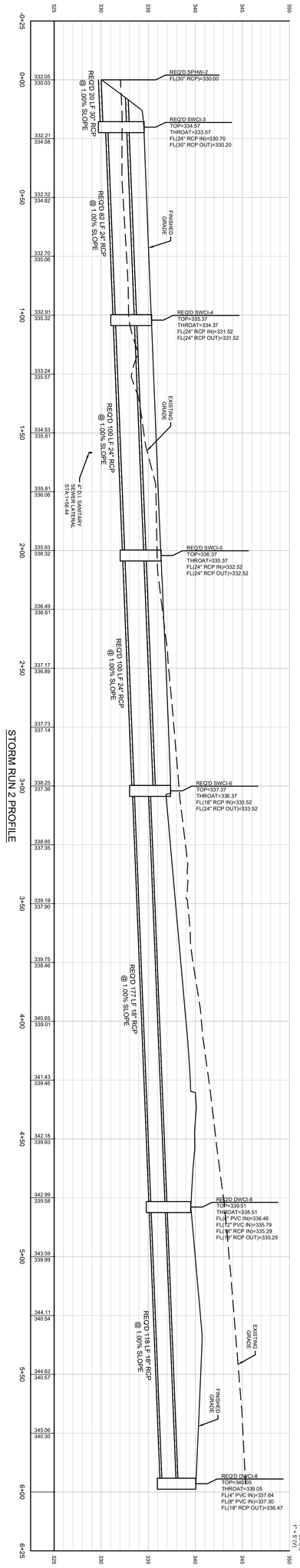
C-304
sheet of

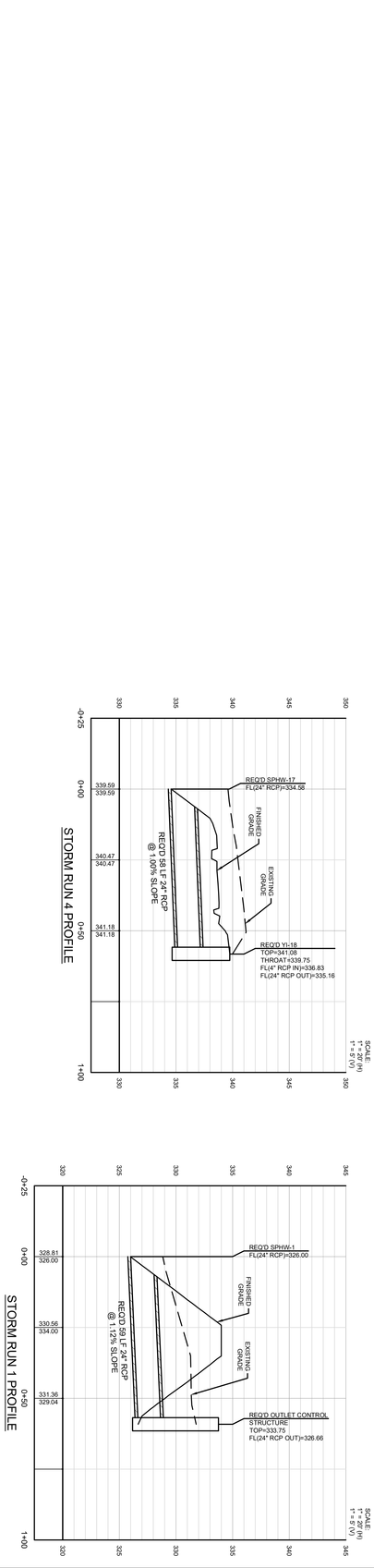
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PLOTTED: Apr 06, 2026 - 9:50am

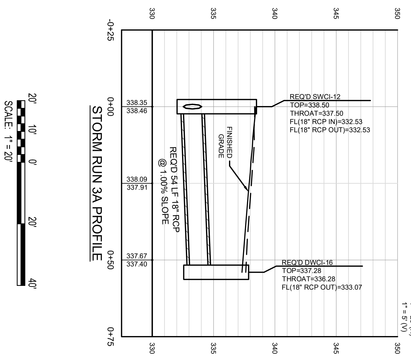
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PLOTTED: Apr 27, 2026 - 11:01am











SCALE: 1" = 20'
20' 10' 0' 20' 40'

DRAINAGE PROFILES

C-305
sheet of

ALABAMA LICENSED No. 38073 PROFESSIONAL ENGINEER ANDREW CORBETT SHOPE
4/27/2026

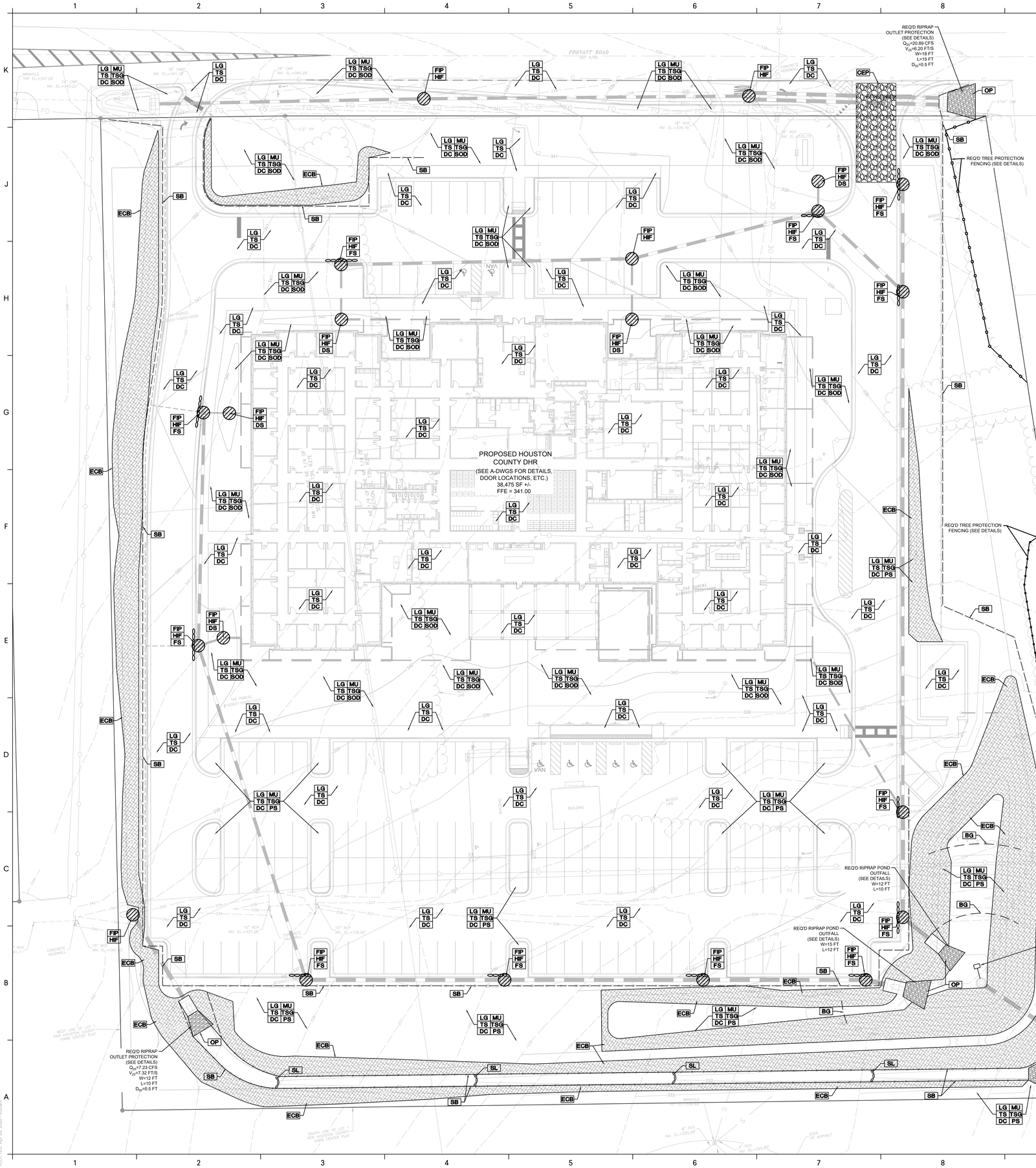
HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

GMC Project # ABHM250019

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BEST MANAGEMENT PRATICES 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.

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

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

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

Stormwater Management

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

Stream Protection

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

LEGEND

- CLASS-A WIRE REINFORCED SILTFENCE
- FILTER SACK
- INLET PROTECTION
- 20" SEDIMENT LOG / WATTLE
- CLASS II RIP-RAP
- EROSION CONTROL BLANKET
- TREE PROTECTION FENCING

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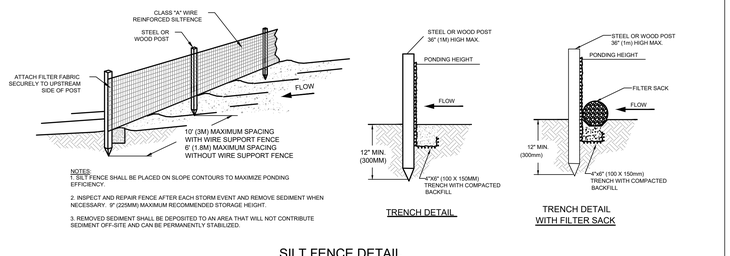
EROSION AND SEDIMENTATION CONTROL PLAN

C-601

Sheet of

4/27/2026

DRAWING FILE: T:\1 Projects\AL\Alabama Dept of Human Resources\ABHM250045 - Houston Co DHR\2 DWG\1 PLANS\02 SHEETS\C-601 Erosion Control Plan.dwg
PLOTTED: Apr 20, 2026 - 10:33am



NOTES:
1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

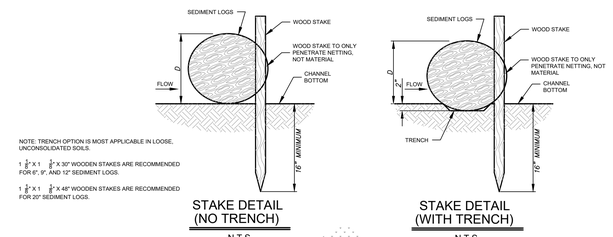
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225MM) MAXIMUM RECOMMENDED STORAGE HEIGHT.

3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

TRENCH DETAIL

TRENCH DETAIL WITH FILTER SACK

SILT FENCE DETAIL
N.T.S.



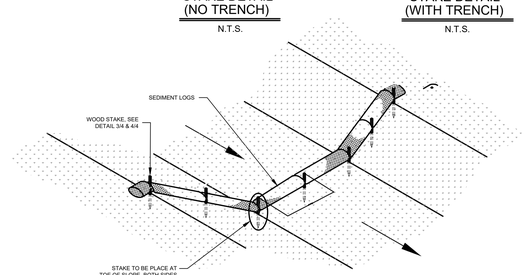
NOTE: TRENCH OPTION IS MOST APPLICABLE IN LOOSE, UNCONSOLIDATED SOILS.

1 $\frac{1}{2}$" X 1 $\frac{1}{2}$" X 30" WOODEN STAKES ARE RECOMMENDED FOR 6", 9", AND 12" SEDIMENT LOGS.

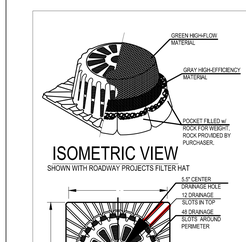
1 $\frac{1}{2}$" X 1 $\frac{1}{2}$" X 48" WOODEN STAKES ARE RECOMMENDED FOR 20" SEDIMENT LOGS.

STAKE DETAIL (NO TRENCH)
N.T.S.

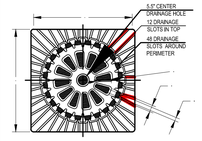
STAKE DETAIL (WITH TRENCH)
N.T.S.



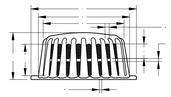
SEDIMENT LOGS DETAIL
N.T.S.



ISOMETRIC VIEW
SHOWN WITH ROADWAY PROJECTS FILTER HAT



PLAN VIEW



ELEVATION VIEW

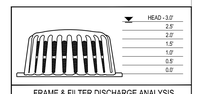
REPLACEMENT FILTERS: MODEL # S-240

FILTER OPTIONS
FILTER HAT IS AVAILABLE IN THREE OPTIONS:
1) ALL HIGH-FLOW MATERIAL
2) ALL HIGH-EFFICIENCY MATERIAL
3) HIGH-FLOW MATERIAL ON TOP HALF OF HAT, HIGH-EFFICIENCY MATERIAL ON BOTTOM HALF (THIS FILTER COVER IS RECOMMENDED FOR ALL ROADWAY PROJECTS.)
IT IS THE PURCHASERS RESPONSIBILITY TO PURCHASE APPROPRIATE FILTER HAT. PURCHASER SHALL PROVIDE ROCK FOR FILTER POCKETS.

FILTER HAT INSTALLATION
FILTER HAT SLIDES DIRECTLY OVER FILTER FRAME. TO KEEP FILTER FRAME IN PLACE OVER STORM STRUCTURE, ROCK POCKETS ARE SEWN DIRECTLY INTO FILTER HAT MATERIAL. EVERY FILTER HAT COMES IN ONE PIECE FOR EASY INSTALLATION.

MAINTENANCE
ALL TEMPORARY EROSION, SEDIMENTATION, & POLLUTION CONTROL PRACTICES SHOULD BE INSPECTED DAILY. CONTRACTOR SHALL REMOVE SEDIMENT AND DISPOSE OF IN A PROPER MANNER. INSPECT S-200A DAILY FOR CUTS, ABRASIONS, AND PROPER INSTALLATION. REPLACE OR REPOSITION AS NECESSARY.

SPECIFICATIONS
FILTER FABRIC SILT-SAVER HAT SHALL BE BASED ON DESIGN PROFESSIONAL'S SPECIFICATIONS.



FRAME & FILTER DISCHARGE ANALYSIS

HEAD (FT)	EQUATION USED	OPENING AREA (SF)	FRAME FLOW (CFS)	FILTER AREA (SF)	FILTERED FLOW (CFS)
6.5	O	2.1	7	6	2
1.0	O	3.9	19	12	3
1.5	O	7.0	41	18	5
2.0	O	8.0	54	24	7
2.5	O	9.2	76	30	9
3.0	O	9.2	93	—	77

DUE TO NARROW SLOT, A TRANSITION WILL OCCUR BETWEEN WEIR AND ORIFICE CONDITIONS. ORIFICE FLOW WILL PROVIDE A MORE CONSERVATIVE ESTIMATE OF FLOW, THEREFORE THE LESSER OF THE ORIFICE AND WEIR FLOWS WILL BE USED FOR EACH STAGE CALCULATION.

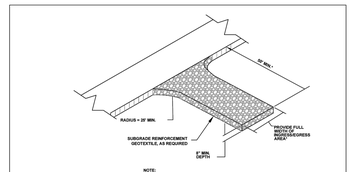
FILTER MATERIAL ALLOWS 129 gpm/SF OR 0.29cfs/SF
ORIFICE EQUATION (O) = $Cv(\pi A)(2gh)^{0.5}$
P = FEET PERIMETER
h = HEAD IN FEET
Q = CAPACITY IN cfs
A = FREE OPEN AREA OF FRAME
g = 32.2 FEET-PER-SECOND/SECOND

SILT-SAVER
SEDIMENT & POLLUTION CONTROL

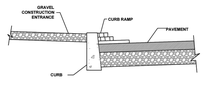
SILT-SAVER, INC. 1094 CULPEPPER DRIVE, CONYERS, GA 30094 PHONE: (770) 389-7818 FAX: (770) 389-7640 TOLL FREE: 1-888-382-SILT (7458) www.siltsaver.com

SQUARE FRAME & FILTER ASSEMBLY Model # S-200A

SCALE: NOT TO SCALE
FRAME MATERIAL: 8" BLOCK U 25" RIM/PIE
LAST UPDATED: APRIL 2010
FILTER FABRIC MATERIAL: REFER TO SPEC



NOTE:
20' MIN. FOR SINGLE FAMILY AND DUPLEX RESIDENTIAL



NOTES

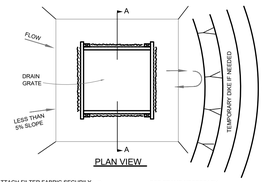
1. **DIMENSIONS: 50' LONG BY 20' WIDE CLEAN ROCK..**
2. **GOVERNING AUTHORITY MAY REQUIRE GEOTEXTILE FABRIC TO PREVENT SUB-SOIL PUMPING.**

DOTHAN UTILITIES STANDARD DETAIL

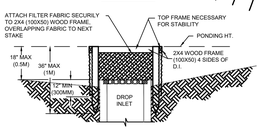
CONSTRUCTION ENTRANCE

SCALE: N.T.S.
DATE:

DETAIL No.: WWC-13
PAGE 1 OF 1
REV: 05/28/24



PLAN VIEW

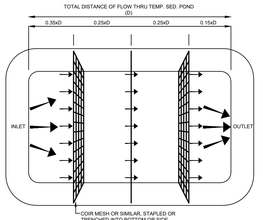


NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%)
2. USE 2"X4" (100X50MM) WOOD OR EQUIVALENT METAL STAKES, 3' (1M) MINIMUM LENGTH.
3. INSTALL 2"X4" (100X50MM) WOOD TOP FRAME TO ENSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

FABRIC DROP INLET SEDIMENT BARRIER
N.T.S.

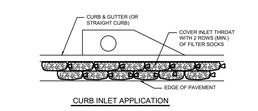


CROSS-SECTION



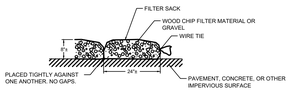
PLAN VIEW

POROUS BAFFLE DETAIL
N.T.S.

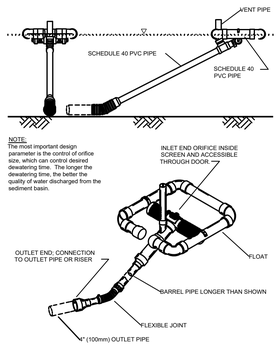


CURB INLET APPLICATION

FILTER SOCK INLET PROTECTION DETAIL
N.T.S

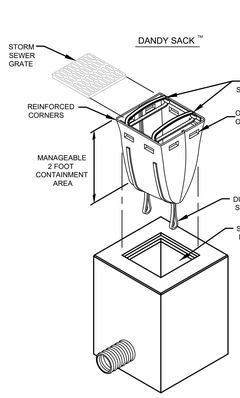


FILTER SACK DETAIL
N.T.S.



NOTE:
The most important design parameter is the control of orifice size, which can control desired dewatering time. The longer the dewatering time, the better the quality of water discharged from the sediment basin.

POND SKIMMER 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)

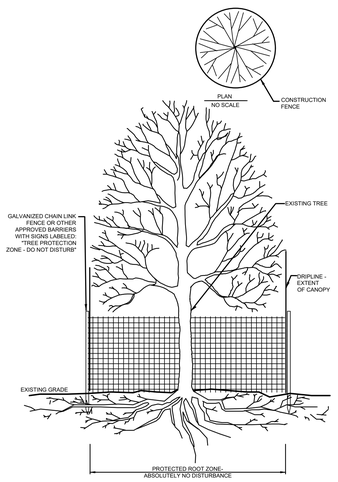
Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.78 (400) x 1.40 (315)
Grab Tensile Elongation	ASTM D 4632	%	15 x 15
Puncture Strength	ASTM D 4833	kN (lbs)	0.67 (150)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	5506 (800)
Trapezoid Tear Strength	ASTM D 4533	kN (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	l/min/ft (gal/min/ft)	2852 (70)
Permittivity	ASTM D 4491	Sec^{-1}	0.90

HI-FLOW DANDY SACK™ (SAFETY ORANGE)

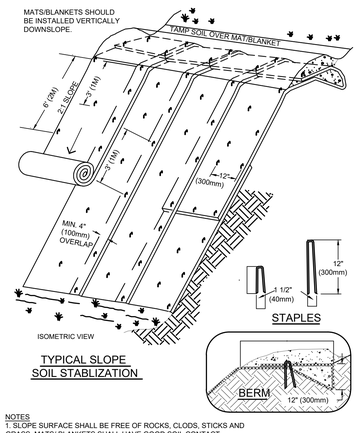
Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbs)	1.62 (365) X 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 X 10
Puncture Strength	ASTM D 4833	kN (lbs)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (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	l/min/ft (gal/min/ft)	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.



TREE PROTECTION DETAIL
N.T.S.



TYPICAL SLOPE SOIL STABLIZATION

NOTES
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/ BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
4. BLANKETS SHALL BE NORTH AMERICAN GREEN PRODUCT NO. SC150 OR APPROVED EQUAL

EROSION BLANKETS & TURF REINFORCEMENT MATS SLOPE INSTALLATION
N.T.S.

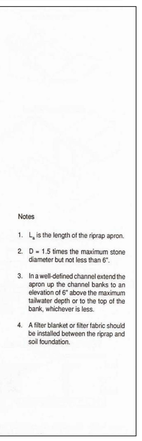
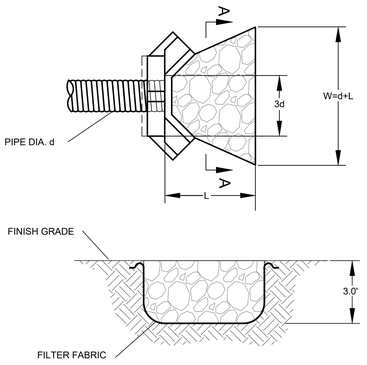


Figure OP-1 Pipe Outlet Conditions

RIP RAP OUTLET PROTECTION DETAIL
N.T.S.



RIP-RAP LENGTH TABLE	
PIPE DIA.	L, FT
15"	5'
18"	8'
24"	10'
30"	12'
36"	14'
42"	16'
48"	18'
60"	20'

USE CLASS II STONE RIP-RAP AT ALL LOCATIONS SHOWN IN PLANS.

STONE RIP-RAP
SECTION A-A
NOT TO SCALE

RIP RAP POND OUTFALL DETAIL
NOT TO SCALE

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

ISSUE DATE
ISSUE FOR BID 04.27.2026

DRAWN BY:
CHECKED BY:

HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

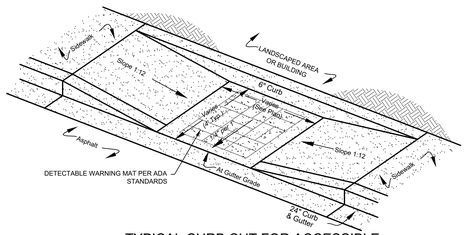
GMC Project # ABHM250019



EROSION AND SEDIMENTATION CONTROL DETAILS

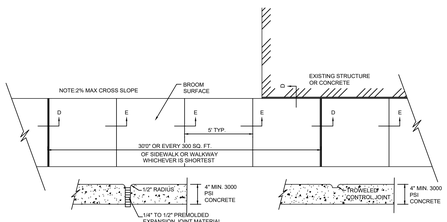
C-901
sheet of

DRAWING FILE T:\Projects\AL\Alabama Dept of Human Resources\CBHM250048 - Houston Co.DHR\0 DWG\01 PLANS\02 SHEETS\C-901Details.dwg
PLOTTED: Apr 27, 2026 - 10:03am



TYPICAL CURB CUT FOR ACCESSIBLE RAMP ALONG SIDEWALK

N.T.S.

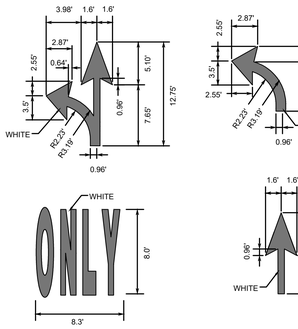


SECTION D
EXPANSION JOINT

SECTION E
CONTRACTION CONTROL JOINT

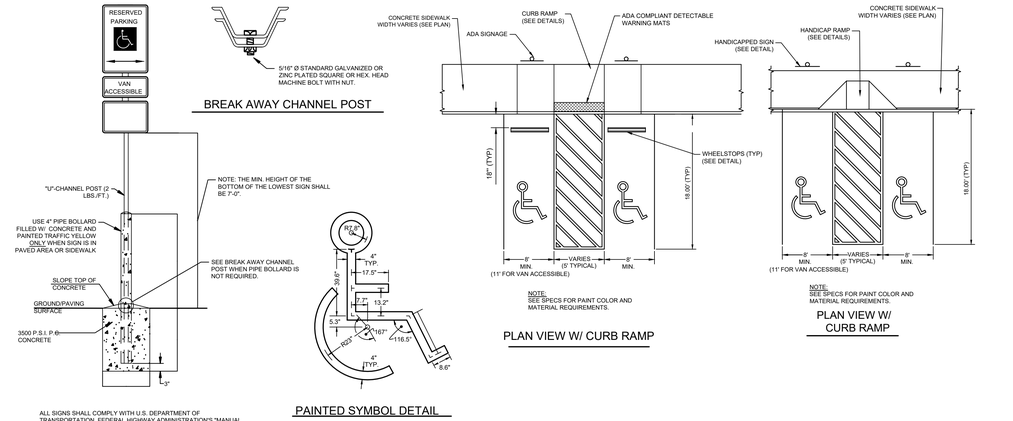
CONC. WALK DETAIL

N.T.S.



PAVEMENT MARKINGS

N.T.S.



BREAK AWAY CHANNEL POST

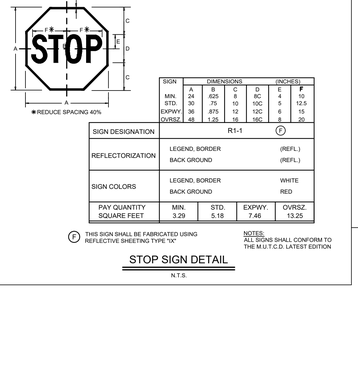
PAINTED SYMBOL DETAIL

PLAN VIEW W/ CURB RAMP

PLAN VIEW W/ CURB RAMP

SITE SIGN BASE & ADA SIGNAGE DETAILS

N.T.S.



SIGN	DIMENSIONS (INCHES)					
	A	B	C	D	E	F
MIN. STD.	24	.625	8	8C- 10C	5	12.5
EXPWY.	30	.75	10	10C	5	12.5
OVRSZ	36	.875	12	12C	6	15
	48	1.25	16	16C	8	20

SIGN DESIGNATION	R1-1 (P)	
REFLECTORIZATION	LEGEND, BORDER	(REFL.)
	BACK GROUND	(REFL.)
SIGN COLORS	LEGEND, BORDER	WHITE
	BACK GROUND	RED

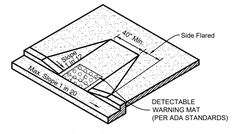
PAY QUANTITY	MIN.	STD.	EXPWY.	OVRSZ.
SQUARE FEET	3.29	5.18	7.46	13.25

(P) THIS SIGN SHALL BE FABRICATED USING REFLECTIVE SHEETING TYPE "IX"

NOTES: ALL SIGNS SHALL CONFORM TO THE M.U.T.C.D. LATEST EDITION

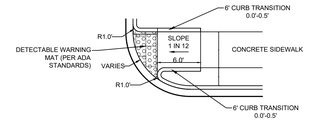
STOP SIGN DETAIL

N.T.S.



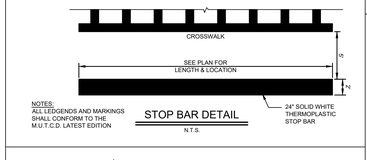
TYPICAL CURB CUT ACCESSIBLE RAMP

N.T.S.



HANDICAP RAMP DETAILS

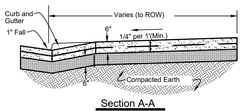
NTS



NOTES: ALL LEDGENDS AND MARKINGS SHALL CONFORM TO THE M.U.T.C.D. LATEST EDITION

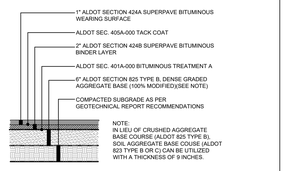
STOP BAR DETAIL

N.T.S.



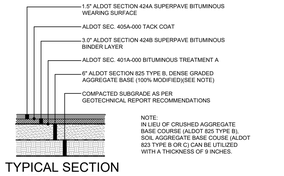
VALLEY GUTTER DETAIL

NTS



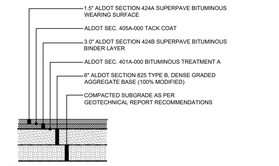
TYPICAL SECTION STANDARD DUTY ASPHALT PAVEMENT

N.T.S.



TYPICAL SECTION HEAVY DUTY ASPHALT PAVEMENT

N.T.S.



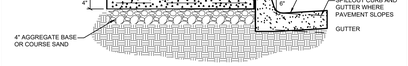
TYPICAL SECTION HEAVY DUTY ASPHALT PAVEMENT (FOR R.O.W. USE)

N.T.S.



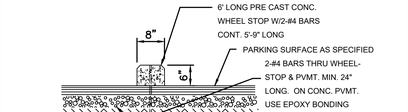
TYPICAL SECTION HEAVY DUTY CONCRETE PAVEMENT

N.T.S.



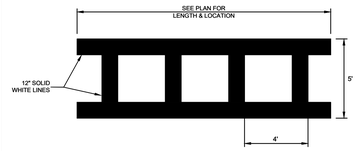
SIDEWALK DETAIL

N.T.S.



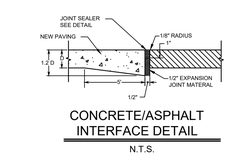
WHEEL STOP DETAIL

N.T.S.



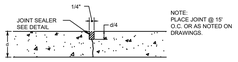
CROSSWALK DETAIL

N.T.S.



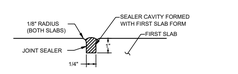
CONCRETE/ASPHALT INTERFACE DETAIL

N.T.S.

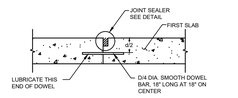


SAWED CONTROL JOINT

N.T.S.

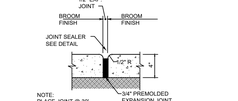


JOINT SEALER DETAIL



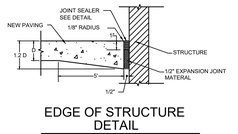
LONGITUDINAL CONSTRUCTION JOINT (AND AT END OF A DAY'S WORK)

N.T.S.



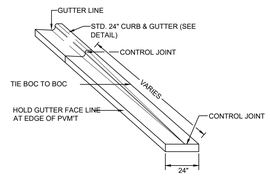
EXPANSION JOINT DETAIL

N.T.S.



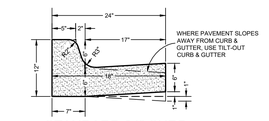
EDGE OF STRUCTURE DETAIL

N.T.S.



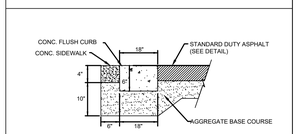
24" CURB TRANSITION DETAIL

N.T.S.



STANDARD 24" CURB & GUTTER DETAIL

N.T.S.



FLUSH CURB DETAIL

N.T.S.

GMC
2400 5th Avenue S, Suite 200
Birmingham, AL 35233
T 205.879.4462
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ISSUE DATE
ISSUE FOR BID 04.27.2026

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CHECKED BY:

HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

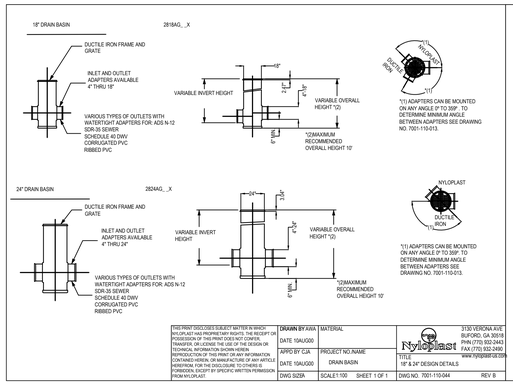
GMC Project # ABHM250019



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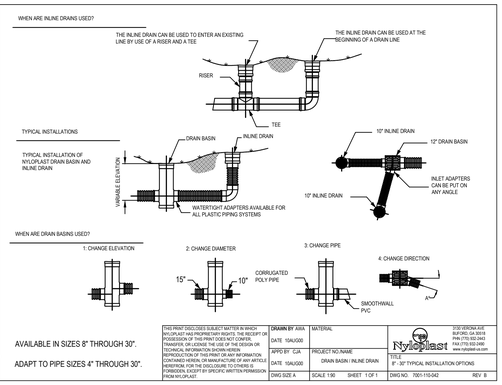
C-902
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PLOTTED: Apr 27, 2026 - 11:53am



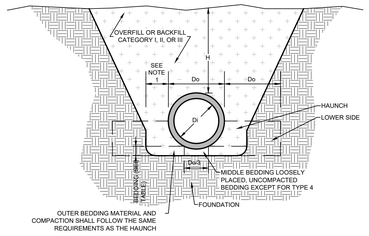
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DATE: 10AUG00			
APPD BY: CJA	PROJECT NO./NAME		
DATE: 10AUG00	DRAIN BASIN	TITLE	18" & 24" DESIGN DETAILS
DWG SIZE: A	SCALE: 1:100	SHEET 1 OF 1	DWG NO. 7001-110-044 REV: B



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DRAWN BY: AWA	MATERIAL	Nyloplast	3130 VERONA AVE BUFORD, GA 30518 PHN (770) 933-2443 FAX (770) 932-2490 www.nyloplast-us.com
DATE: 10AUG00			
APPD BY: CJA	PROJECT NO./NAME		
DATE: 10AUG00	DRAIN BASIN / INLINE DRAIN	TITLE	8" - 30" TYPICAL INSTALLATION OPTIONS
DWG SIZE: A	SCALE: 1:90	SHEET 1 OF 1	DWG NO. 7001-110-042 REV: B



EQUIVALENT USCS AND AASHTO SOIL CLASSIFICATIONS FOR SOIL DESIGNATIONS

SOIL	REPRESENTATIVE SOIL TYPES		PERCENT COMPACTION	
	USCS ASTM D 2487	AASHTO M 145	STANDARD PROCTOR	MODIFIED PROCTOR
CATEGORY I	CLEAN, COURSE GRAINED SOILS: SW, SP, GW, GP OR ANY SOIL BEGINNING WITH ONE OF THOSE SYMBOLS WITH 12% OR LESS PASSING A #200 SIEVE	A-1, A-3	100 95 90 85	95 90 85 80
CATEGORY II	COURSE GRAINED SOILS WITH FINES: GM, GC, SM, SC OR ANY SOIL BEGINNING WITH ONE OF THOSE SYMBOLS, CONTAINING MORE THAN 12% PASSING A #200 SIEVE; SANDY OR GRAVELLY FINE-GRAINED SOILS: CL, ML, (OR CL-ML, CL/ML, ML/CL) WITH 30% OR MORE RETAINED ON A #200 SIEVE	A-2-4, A-2-5, A-2-6: OR A-4 OR A-6 SOILS WITH 30% OR MORE RETAINED ON A #200 SIEVE	100 95 90 85	95 90 85 80
CATEGORY III	FINE-GRAINED SOILS: CL, ML, (OR CL-ML, CL/ML, ML/CL) WITH LESS THAN 30% RETAINED ON A #200 SIEVE	A-2-7: OR A-4 OR A-6 WITH LESS THAN 30 % RETAINED ON A #200 SIEVE	100 95 90 85	90 85 80 75
CATEGORY IV BUT NOT ALLOWED FOR HAUNCH OR BEDDING	MH, CH, OL, OH, PT	A-5, A-7	100 95 90	90 85 80

NOTES:

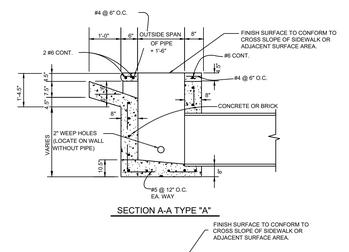
1. CLEARANCE BETWEEN PIPE AND TRENCH WALL SHALL BE EQUAL TO Do/8 OR 12" MINIMUM.
2. COMPACTION AND SOIL SYMBOLS, IE: 95% CATEGORY I, REFER TO A SOIL MATERIAL CATEGORY WITH A MINIMUM STANDARD PROCTOR DENSITY.
3. WHEN THE TRENCH WIDTH SPECIFIED MUST BE EXCEEDED, THE ENGINEER SHALL BE NOTIFIED.
4. THE TRENCH WIDTH SHALL BE WIDER THAN SHOWN IF REQUIRED FOR ADEQUATE SPACE TO ATTAIN THE SPECIFIED COMPACTION IN THE HAUNCH AND BEDDING ZONES.
5. EMBANKMENT LOADING SHALL BE USED WHEN TRENCH WALLS CONSIST OF EMBANKMENT UNLESS THE GEOTECH REPORT STATES THAT THE SOIL IN THE TRENCH WALLS IS COMPACTED TO A HIGHER LEVEL THAN THE SOIL IN THE BACKFILL ZONE.
6. REQUIRED BEDDING THICKNESS IS THE THICKNESS OF THE BEDDING PRIOR TO THE PLACEMENT OF PIPE.
7. "DUMPED" MATERIAL WITHOUT ADDITIONAL COMPACTIVE EFFORT WILL NOT PROVIDE THE DESIGN HAUNCH SUPPORT REQUIRED FOR TYPE 1 AND TYPE 2 INSTALLATIONS AND IT SHOULD BE CHECKED FOR TYPE 3 INSTALLATIONS.
8. SOIL CLASSIFICATION AND COMPACTION REQUIREMENTS SHALL FOLLOW THE PROVIDED TABLES UNLESS OTHERWISE NOTED IN THE PROJECT GEOTECH REPORT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE HIMSELF/HERSELF WITH THE GEOTECH REPORT FOR ANY DISCREPANCIES.
9. PIPE BEDDING DETAILS ARE FOR RCP PIPES ONLY. THE INSTALLATIONS OF ANY OTHER TYPES OF PIPES (SUCH AS ULTRA/FLO, HDPE, PVC, ETC.) SHALL BE INSTALLED AS PER THE MANUFACTURER'S STANDARDS AND SPECIFICATIONS.

SOIL AND MINIMUM COMPACTION REQUIREMENTS

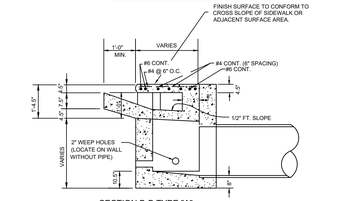
INSTALLATION TYPE	BEDDING THICKNESS	HAUNCH AND OUTER BEDDING	LOWER SIDE
TYPE 1	Do/24 MINIMUM; NOT LESS THAN 3 IN. IF ROCK FOUNDATION, USE Do/12 MINIMUM; NOT LESS THAN 6 IN.	95% CATEGORY I	UNDISTURBED NATURAL SOIL WITH FIRMNESS EQUIVALENT TO THE FOLLOWING PLACED SOILS: 90% CATEGORY I, 95% CATEGORY II, OR 100% CATEGORY III, OR EMBANKMENT TO THE SAME REQUIREMENTS.
TYPE 2	Do/24 MINIMUM; NOT LESS THAN 3 IN. IF ROCK FOUNDATION, USE Do/12 MINIMUM; NOT LESS THAN 6 IN.	90% CATEGORY I OR 95% CATEGORY II	UNDISTURBED NATURAL SOIL WITH FIRMNESS EQUIVALENT TO THE FOLLOWING PLACED SOILS: 85% CATEGORY 1, 90% CATEGORY II, OR 95% CATEGORY III, OR EMBANKMENT TO THE SAME REQUIREMENTS.
TYPE 3	Do/24 MINIMUM; NOT LESS THAN 3 IN. IF ROCK FOUNDATION, USE Do/12 MINIMUM; NOT LESS THAN 6 IN.	85% CATEGORY I, 90% CATEGORY II OR 95% CATEGORY III	UNDISTURBED NATURAL SOIL WITH FIRMNESS EQUIVALENT TO THE FOLLOWING PLACED SOILS: 85% CATEGORY 1, 90% CATEGORY II, OR 95% CATEGORY III, OR EMBANKMENT TO THE SAME REQUIREMENTS.
TYPE 4	NO BEDDING REQUIRED, EXCEPT IF ROCK FOUNDATION, USE Do/12 MINIMUM; NOT LESS THAN 6 IN.	NO COMPACTION REQUIRED, EXCEPT IF CATEGORY III, USE 85% CATEGORY III	NO COMPACTION REQUIRED, EXCEPT IF CATEGORY III, USE 85% CATEGORY III.

PIPE BEDDING DETAIL

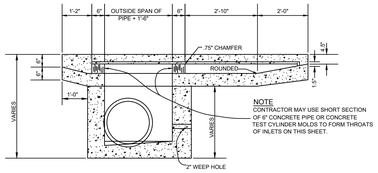
N.T.S.



SECTION A-A TYPE "A"

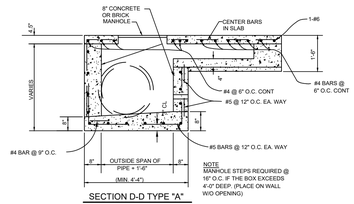


SECTION B-B TYPE "A"



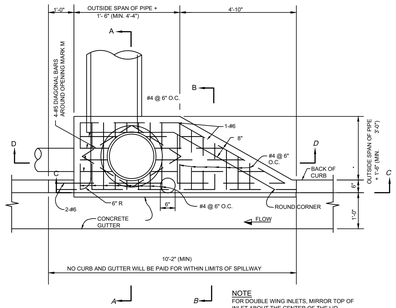
NOTE
CONTRACTOR MAY USE SHORT SECTION OF 6" CONCRETE PIPE OR CONCRETE TEST CYLINDER MOLDS TO FORM THROATS OF INLETS ON THIS SHEET.

SECTION C-C TYPE "A"



NOTE
MANHOLE STEPS REQUIRED @ 16" O.C. IF THE BOX EXCEEDS 4'-0" DEEP. (PLACE ON WALL W/O OPENING)

SECTION D-D TYPE "A"

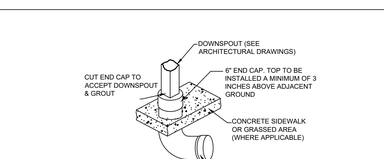


NOTE
FOR DOUBLE WING INLETS, MIRROR TOP OF INLET ABOUT THE CENTER OF THE I.D.

PLAN - TYPE "A"

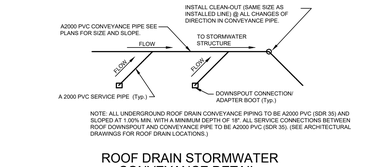
TYPE S INLET DETAIL

N.T.S.



DOWNSPOUT CONNECTION DETAIL

N.T.S.



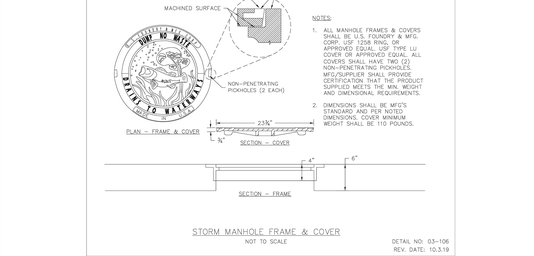
NOTE: ALL UNDERGROUND ROOF DRAIN CONVEYANCE PIPING TO BE A2000 PVC (SDR 35) AND SLOPED AT 1.00% MIN. WITH A MINIMUM DEPTH OF 18". ALL SERVICE CONNECTIONS BETWEEN ROOF DOWNSPOUT AND CONVEYANCE PIPE TO BE A2000 PVC (SDR 35). (SEE ARCHITECTURAL DRAWINGS FOR ROOF DRAIN LOCATIONS.)

ROOF DRAIN STORMWATER CONVEYANCE DETAIL

N.T.S.

HOUSTON COUNTY ROAD AND BRIDGE DEPARTMENT

SLOPE PAVED HEADWALL SPECIFICATIONS FOR DRIVEWAY PIPE INSTALLATIONS



DIMENSIONS AND QUANTITIES				
PIPE SIZE	AREA SQ.FT.	SLOPE	B	C
15"ø	1.2	2:1	2'-10"	5'-3"
18"ø	1.8	2:1	3'-4"	5'-6"
24"ø	3.1	2:1	4'-6"	6'-0"
30"ø	4.9	2:1	5'-7"	6'-6"
36"ø	7.1	2:1	6'-8"	7'-0"
42"ø	9.6	2:1	7'-10"	7'-6"
48"ø	12.6	2:1	8'-11"	8'-0"
54"ø	15.9	2:1	10'-1"	8'-6"

NOTES:
1. THE FILL IS TO BE PLACED AND ALL SHORING REMOVED BEFORE THE SLOPE PAVING IS PLACED.
2. CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS INCLUDING A MINIMUM OF 1' FOOT OF COVER OVER PIPE.
3. ALL DISTURBED AREAS SHALL HAVE SOD AND/OR SEEDING AND MULCHING APPLIED AFTER COMPLETION OF PIPE INSTALLATION; MUST BE COMPLETED BY CONTRACTOR!
4. CONTRACTOR SHALL ENSURE THROUGH MECHANICAL MEANS OR OTHER APPROVED DEVICES THAT CONNECTION BETWEEN BEVELED PIPE END AND CONCRETE WILL NOT BE DETACHED.
5. DRIVEWAYS THAT ARE NOT RECEIVING ASPHALT OR CONCRETE SHALL HAVE GRAVEL ADDED TO ROW LINE.
6. FOR ALUMINIZED PIPE, METAL END SECTIONS CAN BE USED IN LIEU OF A CONCRETE HEADWALL.
7. THE QUANTITIES IN THE TABLE ABOVE INCLUDE TWO (2) SLOPE PAVED HEADWALLS WITH TOE WALLS.

NOT TO SCALE

LOCATION: _____
CONTRACTOR: _____
PHONE: _____
SIGNATURE: _____
DATE: _____
PERMIT NO.: _____

CONCRETE SLOPED PAVED HEADWALL (FOR R.O.W. USE)

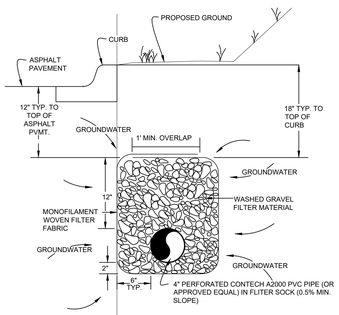
N.T.S.

CONCRETE SLOPED PAVED HEADWALL (FOR USE OUTSIDE R.O.W.)

N.T.S.

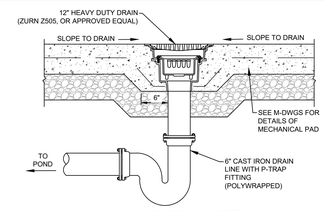
CITY OF DOTHAN STANDARD STORM MANHOLE FRAME & COVER

N.T.S.



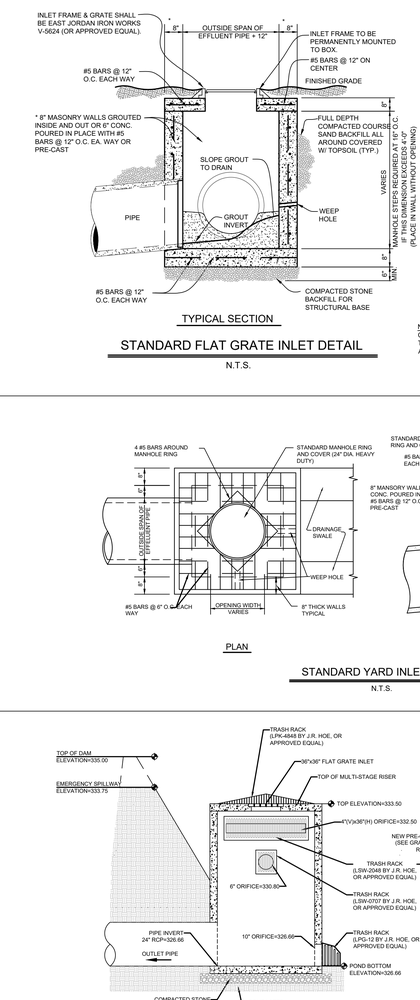
FRENCH DRAIN DETAIL AT TOE OF SLOPE

NTS



YARD DRAIN DETAIL

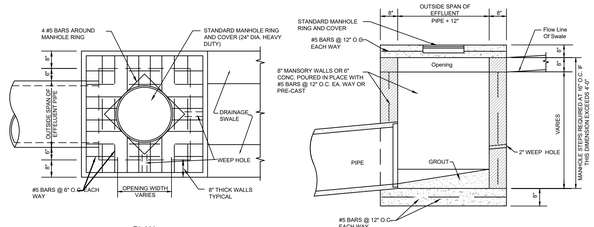
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NOTE:
CONTRACTOR SHALL ALIGN GRATE W/ FLOW OF TRAFFIC OR GUTTER LINE SO AS TO BE AESTHETICALLY PLEASING TO THE EYE.

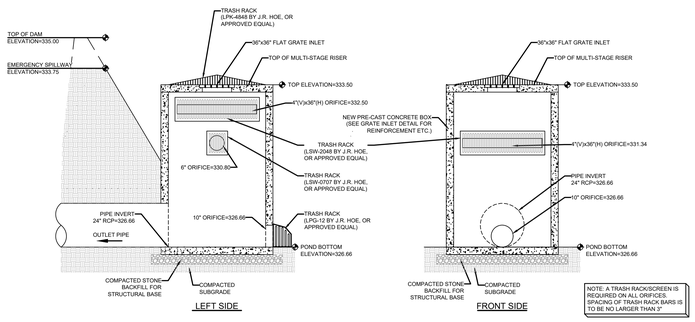
STANDARD FLAT GRATE INLET DETAIL

N.T.S.



STANDARD YARD INLET DETAIL

N.T.S.



NOTE: A TRASH RACK/SCREEN IS REQUIRED ON ALL ORIFICES SPACING OF TRASH RACK BARS IS TO BE NO LARGER THAN 3"

DETENTION POND OUTLET CONTROL STRUCTURE

N.T.S.

GMC

2400 5th Avenue S, Suite 200
Birmingham, AL 35233
T 205.879.4462
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HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

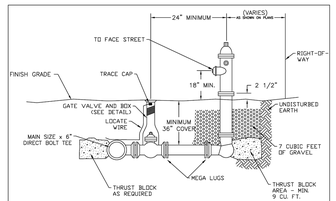
GMC Project # ABHM250019

DRAINAGE DETAILS

C-903
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4/27/2026

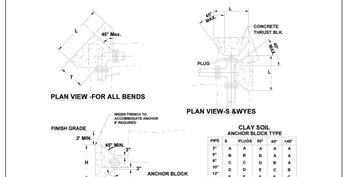
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PLOTTED: Apr 27, 2026 - 10:08a



NOTES:

1. ALL FIRE HYDRANTS SHALL FACE THE STREET AND SHALL BE INSTALLED AS SHOWN ON THE PLANS AND DRAWINGS OR AS DIRECTED BY DOTHAN UTILITIES.
2. ALL FIRE HYDRANTS SHALL HAVE MAIN SIZE BY 6" DIRECT BOLT TEES AND ALL LEGS OR LATERALS SHALL BE DUCTILE IRON CEMENT LINED CLASS 50 WATER PIPE WITH MEGA LUGS (JOINTS REQUIRE US LOK GASKETS OR CITY OF DOTHAN APPROVED EQUAL).
3. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL ADAPTERS, GLANDS AND OTHER FITTINGS REQUIRED TO PROPERLY INSTALL THE FIRE HYDRANT. FIRE HYDRANTS SHALL BE OF THE SAME BRAND AS THE FIRE HYDRANT SHALL BE USED TO ADJUST THE FIRE HYDRANTS TO THE PROPER GRADE. ALL FIRE HYDRANTS TO BE SET TRUE AND PLUMB. EARTH BUILD-UP AROUND THE FIRE HYDRANT IS NOT ACCEPTABLE.
4. CONCRETE THRUST BLOCKS SHALL NOT OBSTRUCT THE FIRE HYDRANT DRAIN HOLES.
5. INSTALL A LOCATOR WIRE TO THE FIRE HYDRANT VALVE STAND ACCORDING TO THE GATE VALVE DETAIL AND LOCATE WIRE SPECIFICATIONS.
6. INSTALL FIRE HYDRANT MARKERS ACCORDING TO THE FIRE HYDRANTS MARKER DETAIL AND FIRE HYDRANTS SPECIFICATIONS.
7. ALL FIRE HYDRANTS SHALL BE PAINTED ACCORDING TO THE FIRE HYDRANT SPECIFICATIONS.
8. FIVE (5) MIL POLYETHYLENE PLASTIC SHALL BE USED TO COVER THE FIRE HYDRANT FITTINGS PRIOR TO POURING THE THRUST BLOCKING.

DOTHAN UTILITIES STANDARD DETAIL | FIRE HYDRANT ASSEMBLY DETAIL | DETAIL No. | PAGE 1 OF 1 | N.T.S | REV. 3/13



TYPE	L in.	H in.	T in.
A	2.0	2.0	2.0
B	2.0	3.0	2.0
C	3.0	3.0	2.0
D	3.0	4.0	2.0
E	4.0	4.0	3.0
F	5.0	5.0	4.0
G	7.0	7.0	5.0

PIPE	S	PLUGS	90°	45°	22½°
4"	F	A	A	A	A
6"	B	B	B	A	A
8"	C	C	D	C	B
10"	D	D	E	C	B
12"	E	E	F	C	C
14"	E	E	F	E	C

PIPE	S	PLUGS	90°	45°	22½°
4"	A	A	A	A	A
6"	B	B	B	A	A
8"	C	C	D	C	A
10"	D	D	E	D	C
12"	F	F	G	F	C
14"	G	G	G	F	F

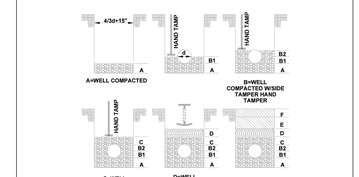
NOTES:

1. PIPE JOINT AND BOLTS MUST BE ACCESSIBLE.
2. CONCRETE SHALL BE CURED FOR MINIMUM OF 7 DAYS AND SHALL HAVE COMPRESSION STRENGTH OF 3000 PSI AT 28 DAYS.
3. THRUST BLOCK SHALL BE POSITIONED TO COUNTERACT THE DIRECTION OF THE RESULTANT THRUST FORCE.
4. CONTRACTOR SHALL NOTIFY ENGINEER IF SOIL DENSITY OF LESS THAN 2000 PSF IS ENCOUNTERED.
5. FIVE(5) MIL POLYETYLENE PLASTIC SHALL BE USED TO COVER FITTINGS PRIOR TO POURING THE THRUST BLOCK.
6. TAPPING SLEEVE BLOCKING SHALL BE SAME AS .
7. ANCHOR BOLTS SHALL BEAR ON UNDISTURBED EARTH.

DESIGN DATA:

1. DESIGN PRESSURE 150 PSI.
2. NORMAL PRESSURE 100 PSI.
3. BASED ON 2000 PSF SOIL.

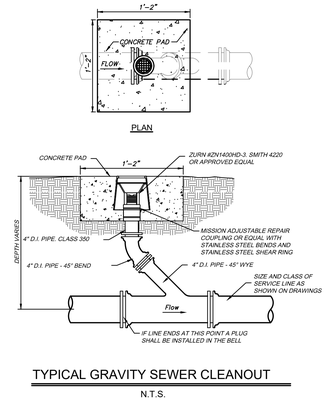
DOTHAN UTILITIES STANDARD DETAIL | CONCRETE ANCHOR BLOCKING DETAIL | SCALE: N.T.S | DETAIL No. WWC-23 | PAGE 1 OF 1 | REV. 01/28/24



LAYER	DEPTH	MATERIAL
A	6" MIN	CLASS 1 FOR ALL RIGID PIPE (2)
B	VARIES	CLASS 1 FOR ALL RIGID PIPE TAMPED IN 6" MAXIMUM LAYERS. (2)
C	6"	CLASS 1 FOR ALL RIGID PIPE (2)
D	6"	CLASS 1 FOR ALL PIPE.
E	VARIES	CLASS 1 FOR ALL PIPE. COMPACT TO 95%.
F	12"	CLASS 1 FOR ALL PIPE- EXCEPT USE CLASS A, GRADE D CRUSHED STONE ACROSS OR ALONG EXISTING PAVEMENT UNLESS OTHERWISE NOTED. COMPACT TO 95%. (1)ALDOT NO. 57 STONE FOR 6" MIN. STONE ENVELOPE AROUND PVC PIPE

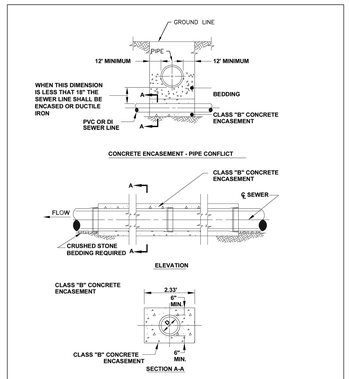
BACKFILLING AND COMPACTION OF TRENCHES IN PAVED AREAS

DOTHAN UTILITIES STANDARD DETAIL | TRENCH BACKFILL DETAIL (1 OF 2) | SCALE: N.T.S | DETAIL No. WWC-09 | PAGE 1 OF 2 | REV. 01/28/24

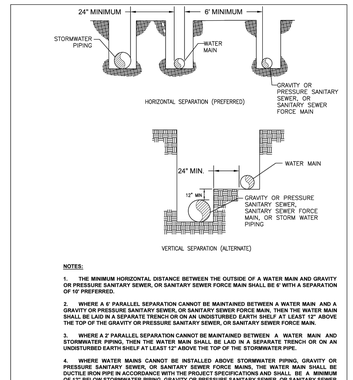


TYPICAL GRAVITY SEWER CLEANOUT

N.T.S.



DOTHAN UTILITIES STANDARD DETAIL | CONCRETE ENCASEMENT - PIPE CONFLICT | SCALE: N.T.S | DETAIL No. WWC-25 | PAGE 1 OF 1 | REV. 01/28/24



NOTES:

1. THE MINIMUM HORIZONTAL DISTANCE BETWEEN THE OUTSIDE OF A WATER MAIN AND GRAVITY OR PRESSURE SANITARY SEWER, OR SANITARY SEWER FORCE MAIN SHALL BE 6' WITH A SEPARATION OF 10' PREFERRED.
2. WHERE A 6' PARALLEL SEPARATION CANNOT BE MAINTAINED BETWEEN A WATER MAIN AND A GRAVITY OR PRESSURE SANITARY SEWER, OR SANITARY SEWER FORCE MAIN, THEN THE WATER MAIN SHALL BE LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF AT LEAST 12" ABOVE THE TOP OF THE GRAVITY OR PRESSURE SANITARY SEWER, OR SANITARY SEWER FORCE MAIN.
3. WHERE A 2' PARALLEL SEPARATION CANNOT BE MAINTAINED BETWEEN A WATER MAIN AND STORMWATER PIPING, THEN THE WATER MAIN SHALL BE LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF AT LEAST 12" ABOVE THE TOP OF THE STORMWATER PIPE.
4. WHERE WATER MAINS CANNOT BE INSTALLED ABOVE STORMWATER PIPING, GRAVITY OR PRESSURE SANITARY SEWER, OR SANITARY SEWER FORCE MAINS, THE WATER MAIN SHALL BE DUCTILE IRON PIPE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND SHALL BE A MINIMUM OF 12" BELOW STORMWATER PIPING, GRAVITY OR PRESSURE SANITARY SEWER, OR SANITARY SEWER FORCE MAINS.
5. ALL DIMENSIONS SHOWN SHALL BE FROM OUTSIDE TO OUTSIDE OF PIPE.

DOTHAN UTILITIES STANDARD DETAIL | WATER/SEWER SEPARATION | SCALE: N.T.S. | DETAIL No. WWC-24 | PAGE 1 OF 2 | REV. 01/28/24

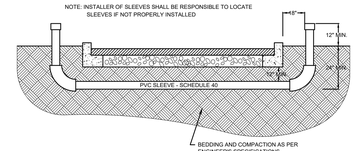
BEDDING AND BACKFILL MATERIAL CLASSIFICATION

1. CLASS 1 MATERIALS: ANGULAR 1/4 TO 1 INCH GRADED STONE INCLUDING A NUMBER OF FILL MATERIALS THAT HAVE REGIONAL SIGNIFICANCE SUCH AS CRUSHED STONE, CINDERS, SLAG AND CRUSHED SHELLS.
2. CLASS 2 MATERIALS: COARSE SANDS AND GRAVELS WITH A MAXIMUM PARTICLE DIMENSION OF 1 1/2 INCH INCLUDING VARIOUSLY GRADED SAND AND GRAVELS CONTAINING SMALL PERCENTAGES OF FINES, GENERALLY GRANULAR AND NON-COHESIVE, EITHER WET OR DRY. CLASS 3 MATERIAL: FINE SAND AND CLAYEY GRAVELS,
3. INCLUDING FINE SANDS, SAND-CLAY MIXTURES, AND GRAVEL-CLAY MIXTURES.
4. CLASS 4 MATERIAL: SILT, SILTY CLAYS AND CLAYS, INCLUDING INORGANIC CLAYS, AND SILTS OF MEDIUM TO HIGH PLASTICITY AND LIQUID LIMITS.
5. CLASS 5 MATERIAL: ORGANIC SOILS, AS WELL AS SOIL CONTAINING FROZEN EARTH, DEBRIS, ROCKS LARGER THAN 1 1/2 INCHES AND OTHER FOREIGN MATERIALS.

LAYER	DEPTH	MATERIAL
A	6" MIN	CLASS 1-2 FOR ALL RIGID PIPE (2)
B	VARIES	CLASS 1-2 FOR ALL RIGID PIPE TAMPED IN 6" MAXIMUM LAYERS. (2)
C	6"	CLASS 1-2 FOR ALL RIGID PIPE (2)
D	6"	SELECTED BACKFILL MATERIAL - CLASS 1-4 FOR ALL PIPE.
E	VARIES	CLASS 1-4 FOR ALL PIPE, TYE OF BACKFILL MATERIAL MAY CONTAIN BROKEN STONES NOT EXCEEDING 6" IN AVERAGE DIAMETER. COMPACT TO 95%.
F	12"	CLASS 3 OR 4 FOR ALL PIPE, FREE OF LARGE CLODS, VEGETABLE MATTER, DEBRIS STONE AND/OR ANY OTHER OBJECTIONABLE MATTER. COMPACT TO 95%.

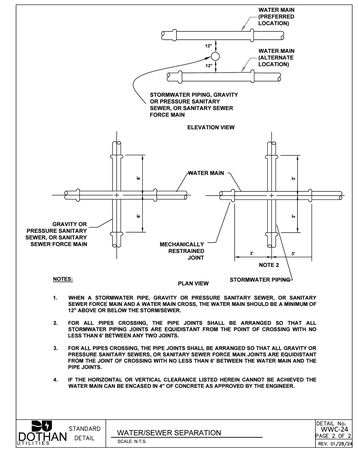
BACKFILLING AND COMPACTION OF TRENCHES IN UNIMPROVED AREAS

DOTHAN UTILITIES STANDARD DETAIL | TRENCH BACKFILL DETAIL (2 OF 2) | SCALE: N.T.S. | DETAIL No. WWC-09 | PAGE 2 OF 2 | REV. 01/28/24



IRRIGATION SLEEVING DETAIL

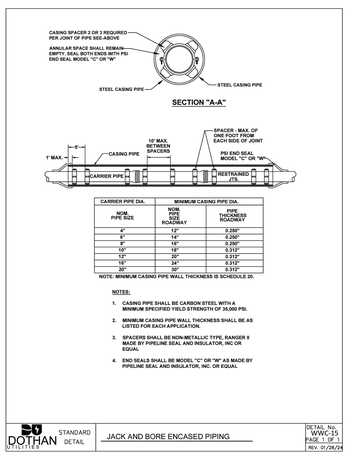
N.T.S.



NOTES:

1. WHEN A STORMWATER PIPE, GRAVITY OR PRESSURE SANITARY SEWER, OR SANITARY SEWER FORCE MAIN AND A WATER MAIN CROSS, THE WATER MAIN SHOULD BE A MINIMUM OF 12" ABOVE OR BELOW THE STORMSEWER.
2. FOR ALL PIPES CROSSING, THE PIPE JOINTS SHALL BE ARRANGED SO THAT ALL STORMWATER PIPING JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING WITH NO LESS THAN 6' BETWEEN ANY TWO JOINTS.
3. FOR ALL PIPES CROSSING, THE PIPE JOINTS SHALL BE ARRANGED SO THAT ALL GRAVITY OR PRESSURE SANITARY SEWERS, OR SANITARY SEWER FORCE MAIN JOINTS ARE EQUIDISTANT FROM THE JOINT OF CROSSING WITH NO LESS THAN 6' BETWEEN THE WATER MAIN AND THE PIPE JOINTS.
4. IF THE HORIZONTAL OR VERTICAL CLEARANCE LISTED HEREIN CANNOT BE ACHIEVED THE WATER MAIN CAN BE ENCASED IN 4" OF CONCRETE AS APPROVED BY THE ENGINEER.

DOTHAN UTILITIES STANDARD DETAIL | WATER/SEWER SEPARATION | SCALE: N.T.S. | DETAIL No. WWC-24 | PAGE 2 OF 2 | REV. 01/28/24



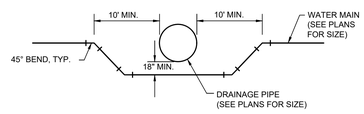
CARRIER PIPE DIA. NOM. PIPE SIZE	MINIMUM CASING PIPE DIA. NOM. PIPE SIZE ROADWAY	PIPE THICKNESS ROADWAY
4"	12"	0.250"
6"	14"	0.250"
8"	16"	0.250"
10"	18"	0.312"
12"	20"	0.312"
16"	24"	0.312"
20"	30"	0.312"

NOTE: MINIMUM CASING PIPE WALL THICKNESS IS SCHEDULE 20.

NOTES:

1. CASING PIPE SHALL BE CARBON STEEL WITH A MINIMUM SPECIFIED YIELD STRENGTH OF 35,000 PSI.
2. MINIMUM CASING PIPE WALL THICKNESS SHALL BE AS LISTED FOR EACH APPLICATION.
3. SPACERS SHALL BE NON-METALLIC TYPE, RANGER II MADE BY PIPELINE SEAL AND INSULATOR, INC OR EQUAL.
4. END SEALS SHALL BE MODEL "C" OR "W" AS MADE BY PIPELINE SEAL AND INSULATOR, INC. OR EQUAL

DOTHAN UTILITIES STANDARD DETAIL | JACK AND BORE ENCASED PIPING | DETAIL No. WWC-15 | PAGE 1 OF 1 | REV. 01/28/24



CONFLICT DETAIL

N.T.S.

GMC
2400 5th Avenue S, Suite 200
Birmingham, AL 35233
T 205.879.4462
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ISSUE FOR BID 04.27.2026

DRAWN BY:
CHECKED BY:

HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

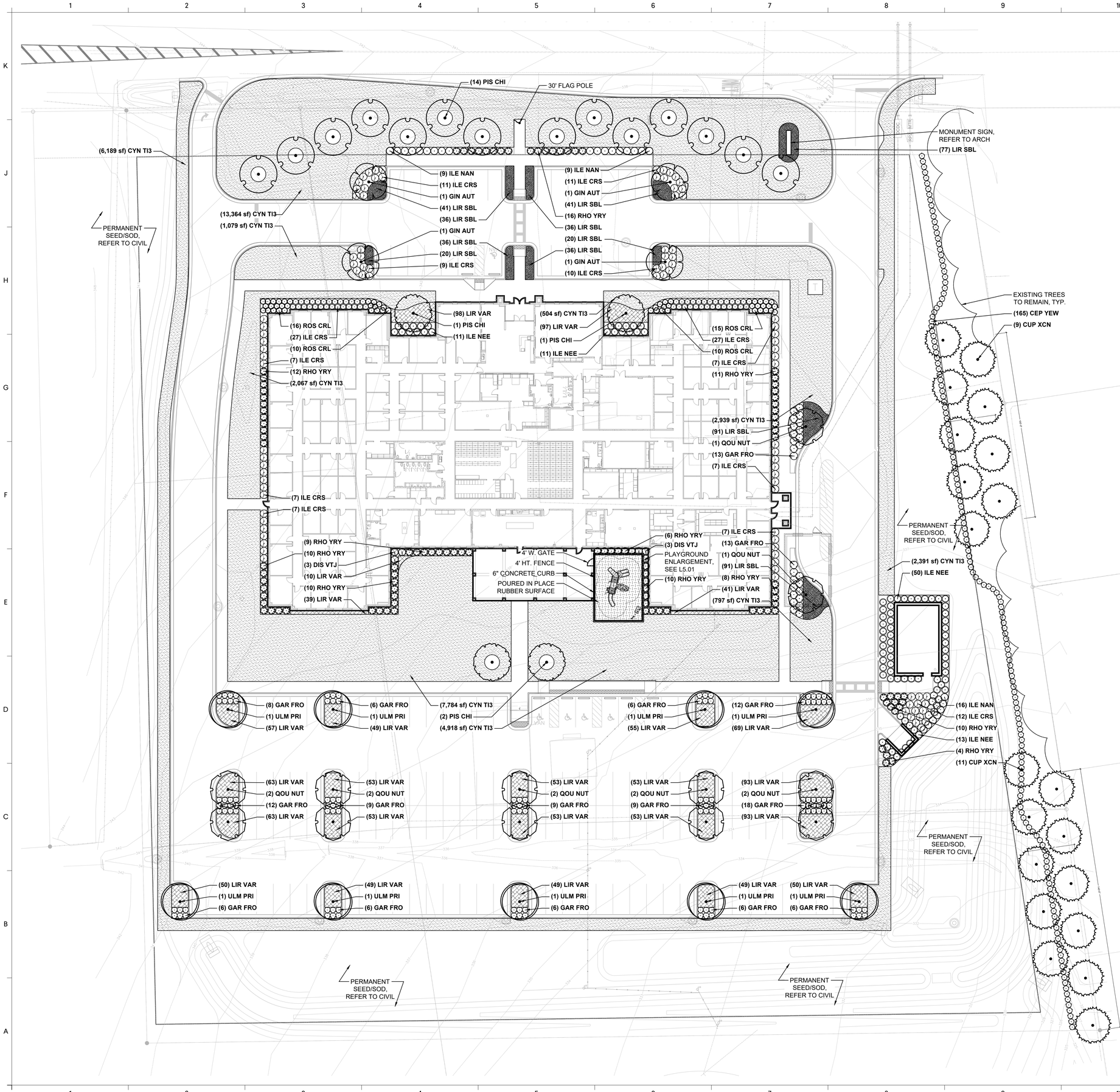
GMC Project # ABHM250019

UTILITY DETAILS

C-904
sheet of

ALABAMA REGISTERED PROFESSIONAL ENGINEER
BRADLEY HOCKETT
CERT. NUMBER
4/27/2026

DRAWING FILE: T:\1 Projects\AL\Alabama Dept of Human Resources\ABHM250048 - Houston Co DHR\9 DWG\1 PLANS\02 SHEETS\C-901 Details.dwg
PLOTTED: Apr 27, 2026 - 11:54am



PLANT SCHEDULE

CODE	BOTANICAL NAME	COMMON NAME
TREES		
CUP XCN	CUPRESSUS X LEYLANDII	LEYLAND CYPRESS
GIN AUT	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD MAIDENHAIR TREE
PIS CHI	PISTACIA CHINENSIS	CHINESE PISTACHE
QOU NUT	QUERCUS NUTTALLII	NUTTALL OAK
ULM PRI	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM
SHRUBS		
CEP YEW	CEPHALOTAXUS HARRINGTONIA `PLANIA`	YEWTOPIA® PLUM YEW
DIS VTJ	DISTYLIUM X 'VINTAGE JADE'	FIRST EDITIONS® VINTAGE JADE DISTYLIUM
GAR FRO	GARDENIA JASMINOIDES 'FROSTPROOF'	FROSTPROOF GARDENIA
ILE CRS	ILEX CORNUTA 'CARISSA'	CARISSA CHINESE HOLLY
ILE NEE	ILEX CORNUTA 'NEEDLEPOINT'	NEEDLEPOINT CHINESE HOLLY
ILE NAN	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY
RHO YRY	RHODODENDRON X 'ROBLEX'	AUTUMN LILY® ENCORE® AZALEA
ROS CRL	ROSA X 'CORAL DRIFT'	CORAL DRIFT ROSE
GROUND COVERS		
CYN TI3	CYNODON DACTYLON 'TIF 419'	TIF 419 BERMUDA GRASS
LIR SBL	LIRIOPE MUSCARI 'SUPER BLUE'	SUPER BLUE LILYTURF
LIR VAR	LIRIOPE MUSCARI 'VARIEGATA'	VARIEGATED LILYTURF

NOTES

1. CONTRACTOR SHALL HAND WATER ALL PLANT MATERIAL AND SOD DURING CONSTRUCTION UNTIL SUBSTANTIAL COMPLETION HAS BEEN ACHIEVED.
2. CONTRACTOR IS TO PROVIDE ALL TREES WITH SLOW RELEASE WATER BAGS. WATER BAGS ARE TO BE CONSISTENTLY FILLED DURING CONSTRUCTION SO THAT THE TREES WILL HAVE WATER AT ALL TIMES. AT THE TIME OF SUBSTANTIAL COMPLETION, CONTRACTOR IS TO MEET ON SITE WITH OWNER OR OWNER'S MAINTENANCE REPRESENTATIVE TO REVIEW THE INSTRUCTIONS AND THE SCHEDULING OF REFILLING THE BAGS. CONTRACTOR SHALL REFILL ALL BAGS AT THE TIME OF SUBSTANTIAL COMPLETION.
3. ALL DISTURBED AREAS NOT COVERED BY PLANT MATERIAL OR SOD ARE TO BE SEEDED/SODDED ACCORDING TO CIVIL DRAWINGS. SEE C-DRAWINGS FOR MORE INFORMATION.

SITE FURNISHINGS:

(3) PETOSKEY TRASH RECEPTACLES BY LANDSCAPE FORMS OR APPROVED EQUAL. 1 TO BE PLACED AT FRONT DOOR, 1 AT SIDE DOOR AND 1 ON THE BACK PATIO.

(4) LARCHMONT PICNIC TABLES BY COUNTRY CASUAL OR APPROVED EQUAL. ALL FOUR TABLES ARE TO BE LOCATED ON THE BACK PATIO.

(2) 6' LONG WELLSPRING BENCHES BY LANDSCAPE FORMS OR APPROVED EQUAL. BOTH BENCHES ARE TO BE LOCATED ON THE BACK PATIO.

SEE 32 3300 SITE FURNISHING SPECIFICATION FOR DETAILS. ALL SITE FURNISHING LOCATIONS TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

DOTHAN, AL LANDSCAPE REQUIREMENTS:

PERIMETER:
- 4 TREES & 8 SHRUBS PER 100 LF
- 346 LF / 100 = 3.46
- 3.46 x 4 TREES = 13.84 (14) TREES REQ. — 14 TREES PROVIDED
- 3.46 x 8 SHRUBS = 27.68 (28) SHRUBS REQ. — 36 SHRUBS PROVIDED

INTERIOR:
- 1 TREE & 4 SHRUBS PER LANDSCAPE ISLAND
- 21 LANDSCAPE ISLANDS
- 21 x 1 TREE = 21 TREES REQ. — 23 TREES PROVIDED
- 21 x 4 SHRUBS = 84 SHRUBS REQ. — 160 SHRUBS PROVIDED

BUFFER:
- 25' WIDE MINIMUM
- 8 TREES & 30 SHRUBS PER 100 LF
- 240 LF / 100 = 2.40
- 2.40 x 8 TREES = 19.2 (20) TREES REQ. — 20 TREES PROVIDED
- 2.40 x 30 SHRUBS = 72 SHRUBS REQ. — 165 SHRUBS PROVIDED

OVERALL SITE:
- MINIMUM 2 TREES PER ACRE OR ANY PORTION THEREOF
- 5.47 (6) ACRES
- 6 x 2 TREES = 12 TREES REQ. — 63 TREES PROVIDED

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

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CHECKED BY:

HOUSTON COUNTY DHR
DOTHAN, ALABAMA

GMC Project #: LBHM250046

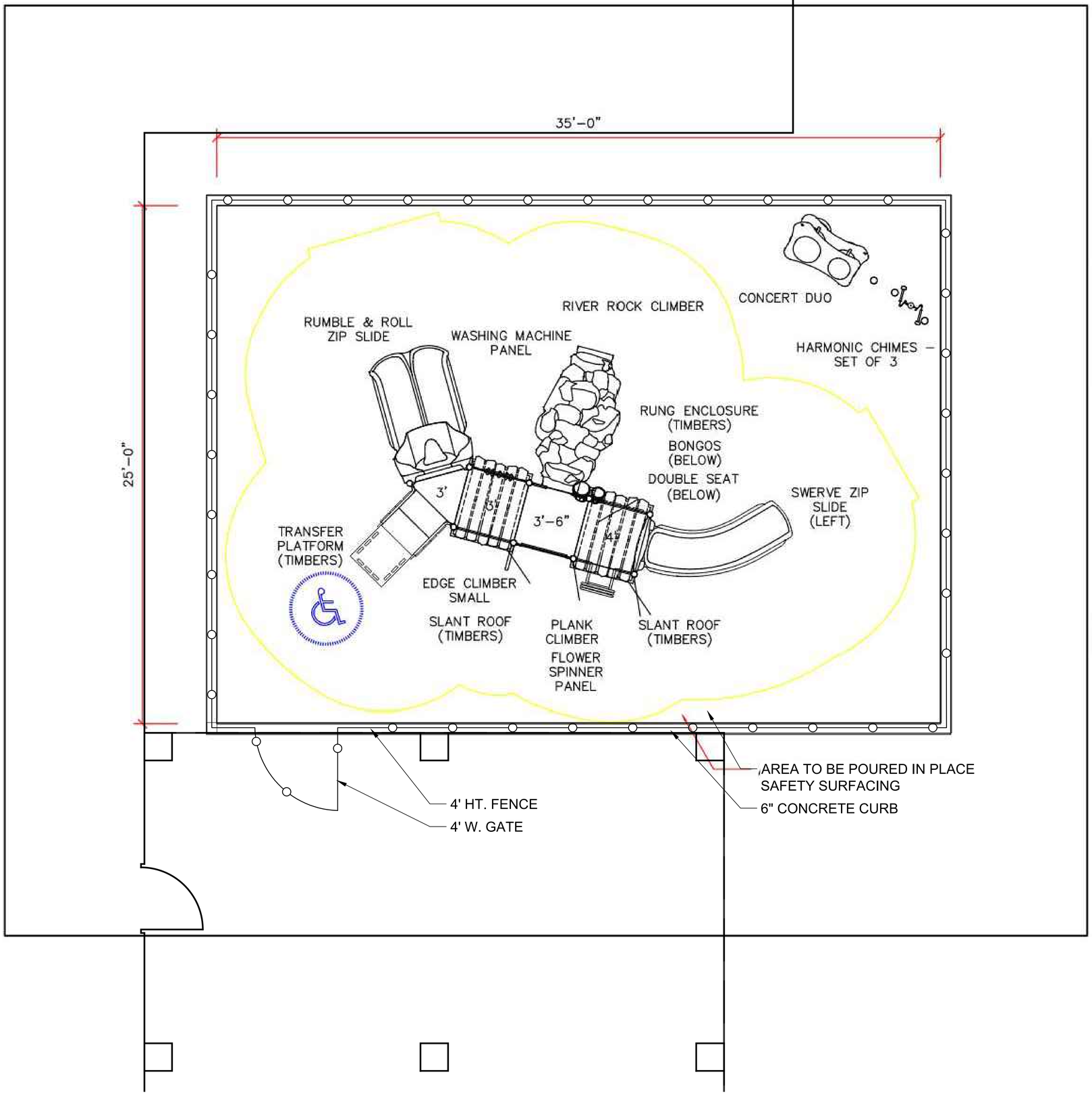
STATE OF ALABAMA
PATRICK ELIAS RITCHEY
NUMBER 955
REGISTERED LANDSCAPE ARCHITECT

LANDSCAPE PLAN

L5.00

PLAYGROUND NOTES:

1. PLAYGROUND TO BE FROM STRUTHER'S RECREATION AS BASIS OF DESIGN.
2. CONTRACTOR TO COORDINATE WITH DREW WARREN +1(205) 767-3432 FOR PLAYGROUND COMPONENTS.



STRUTHERS RECREATION

PO BOX 1178, PELHAM, AL 35124
P 205.663.5058 | T 800.221.8869
F 205.663.5012
STRUTHERSRECREATION.COM

This Unit includes play events and routes of travel specifically designed for special needs users. It is the opinion of the manufacturer that these play events and routes of travel conform to the accessibility requirements of the ADA (Americans with Disabilities Act)

IMPORTANT
Soft resilient surfacing should be placed in the use zones of all equipment, as specified for each type of equipment, and at depths to meet the critical fall height as specified by the U.S. Consumer Product Safety Commission, ASTM standard F 1487, and Canadian Standard CAN/CSA-Z-614

PROJECT: **HOUSTON COUNTY DHR** Proposed Playground

PROJECT MANAGER: DREW WARREN

REVISIONS

AGE GROUP: 5-12

LxW: 25x35

DRAWN BY: S. PERRY

DATE: 08.24.25

DWG NAME: 107064 - A1

SCALE: NTS

NORTH

SCALE: 1 IN = 2 FT

GMC

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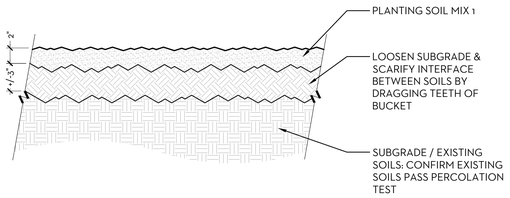
HOUSTON COUNTY DHR
DOTHAN, ALABAMA

GMC Project #: LBHM250046

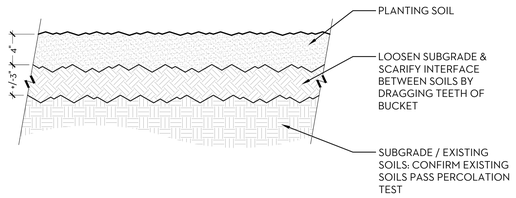
STATE OF ALABAMA
PATRICK ELIAS RITCHEY
NUMBER 955
REGISTERED LANDSCAPE ARCHITECT

PLAYGROUND ENLARGEMENT

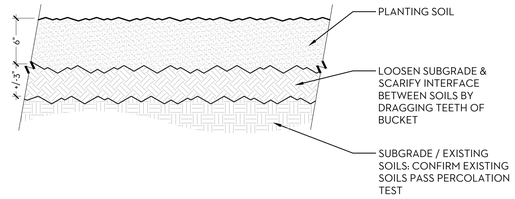
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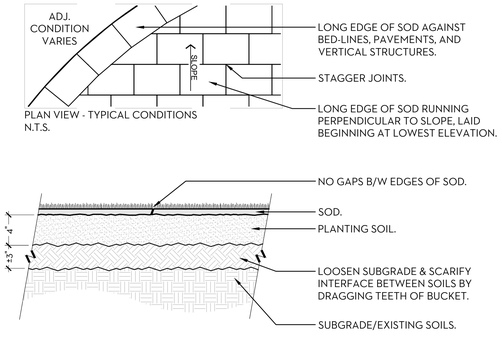
1 SEEDING SOIL PREPARATION
1 1/2" = 1'-0"



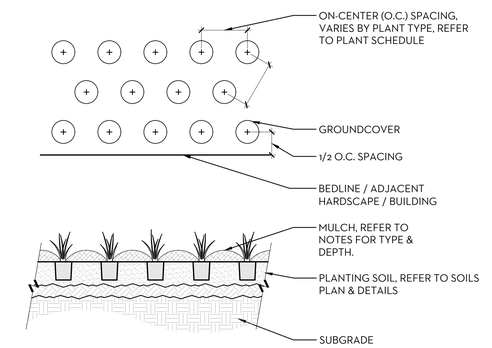
2 SOD SOIL PREPARATION
1 1/2" = 1'-0"



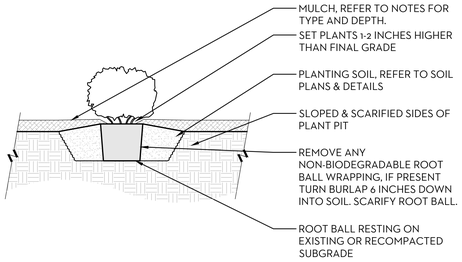
3 PLANT BED SOIL PREPARATION
1 1/2" = 1'-0"



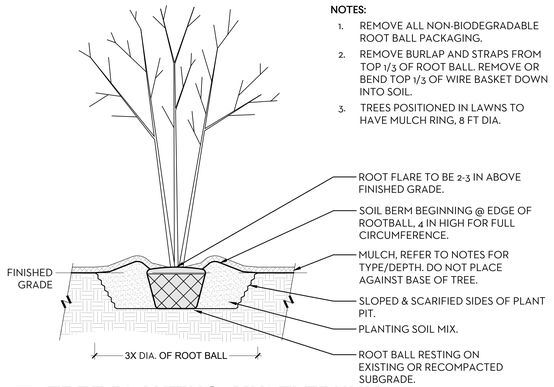
4 SOD INSTALLATION
1 1/2" = 1'-0"



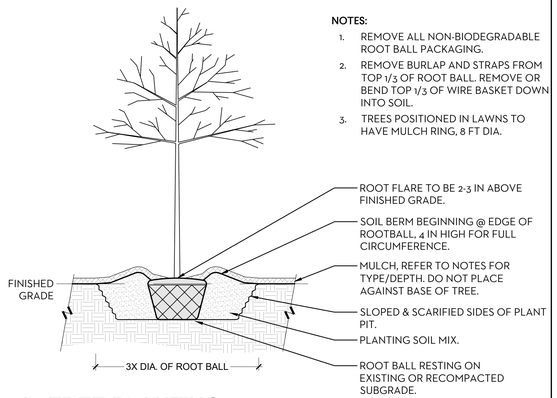
5 GROUNDCOVER & PERENNIAL PLANTING
3/4" = 1'-0"



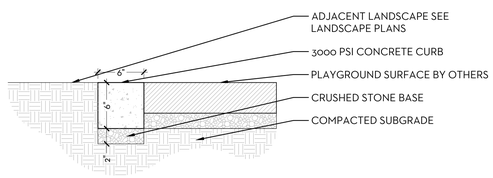
6 SHRUB PLANTING
3/4" = 1'-0"



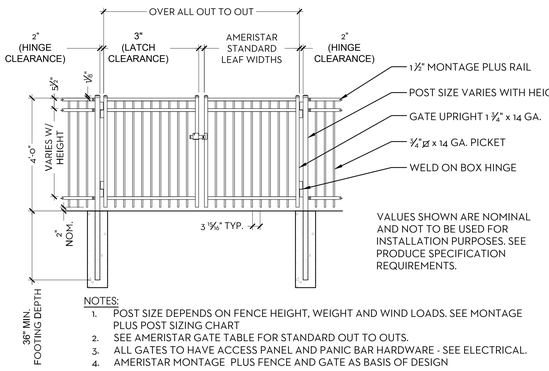
7 TREE PLANTING, MULTI-TRUNK
3/8" = 1'-0"



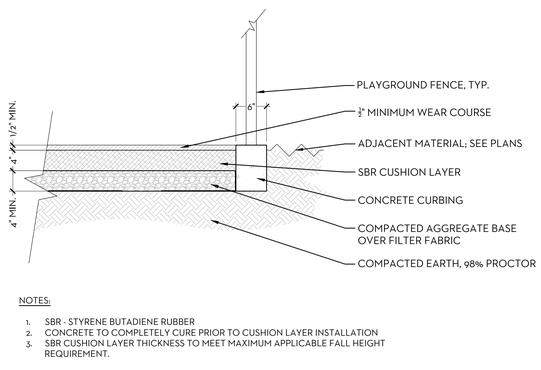
8 TREE PLANTING
3/8" = 1'-0"



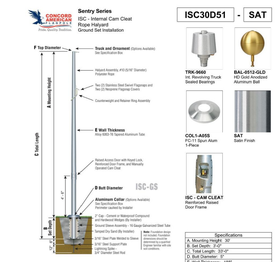
9 6 INCH CONCRETE CURB
1 1/2" = 1'-0"



10 FENCE AND GATE
3/8" = 1'-0"



11 PIP PLAYGROUND SURFACE
1" = 1'-0"



12 30' FLAG POLE
N.T.S.

PLANT SCHEDULE

CODE	QTY	BOTANICAL NAME	COMMON NAME	CAL. / HT.	ROOTBALL		REMARKS
TREES							
CUP XCN	20	CUPRESSUS X LEYLANDII	LEYLAND CYPRESS	2.0" CAL.	B&B		
GIN AUT	4	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD MAIDENHAIR TREE	2.0" CAL.	B&B		
PIS CHI	18	PISTACIA CHINENSIS	CHINESE PISTACHE	2.0" CAL.	B&B		
QOU NUT	12	QUERCUS NUTTALLII	NUTTALL OAK	2.0" CAL.	B&B		
ULM PRI	9	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2.0" CAL.	B&B		
CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HT.	SPACING	REMARKS
SHRUBS							
CEP YEW	165	CEPHALOTAXUS HARRINGTONIA `PLANIA`	YEWTOPIA® PLUM YEW	3 GAL		36" o.c.	
DIS VTJ	6	DISTYLIUM X 'VINTAGE JADE'	FIRST EDITIONS® VINTAGE JADE DISTYLIUM	3 GAL		48" o.c.	
GAR FRO	145	GARDENIA JASMINOIDES 'FROSTPROOF'	FROSTPROOF GARDENIA	3 GAL		36" o.c.	
ILE CRS	149	ILEX CORNUTA 'CARISSA'	CARISSA CHINESE HOLLY	3 GAL		48" o.c.	
ILE NEE	85	ILEX CORNUTA 'NEEDLEPOINT'	NEEDLEPOINT CHINESE HOLLY	3 GAL		48" o.c.	
ILE NAN	34	ILEX VOMITORIA 'NANA'	DWARF YAUPON HOLLY	3 GAL		48" o.c.	
RHO YRY	106	RHODODENDRON X 'ROBLEX'	AUTUMN LILY® ENCORE® AZALEA	3 GAL		48" o.c.	WHITE FLOWERS
ROS CRL	51	ROSA X 'CORAL DRIFT'	CORAL DRIFT ROSE	3 GAL		36" o.c.	
CODE	QTY	BOTANICAL NAME	COMMON NAME	TYPE		SPACING	REMARKS
GROUND COVERS							
CYN TI3	42,032 SF	CYNODON DACTYLON 'TIF 419'	TIF 419 BERMUDA GRASS	SOD			
LIR SBL	525	LIRIOPE MUSCARI 'SUPER BLUE'	SUPER BLUE LILYTURF	4" POT		18" o.c.	
LIR VAR	1,392	LIRIOPE MUSCARI 'VARIEGATA'	VARIEGATED LILYTURF	4" POT		18" o.c.	

GENERAL LANDSCAPE NOTES

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

PRE-APPROVED NURSERIES & TREE TAGGING

THE CONTRACTOR IS TO SOURCE THE TREES SPECIFIED ON THESE DRAWINGS AT THE FOLLOWING NURSERIES OR PREAPPROVED EQUAL NURSERIES. NURSERIES OF EQUAL QUALITY TREES MUST BE APPROVED PRIOR TO BIDDING.

THE CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE ARCHITECT TO SCHEDULE TREE TAGGING.

ALABAMA

HUNTER TREES, LLC
700 INDIAN VALLEY ROAD
ALPINE, AL 35014
(866) 348-6837

GREEN VALLEY TREE FARM
12975 COUNTY ROAD 17
MONTEVALLO, AL 35115
(205) 665-1355

PLANTATION TREE COMPANY
120 COUNTY ROAD 15 SOUTH
SELMA, AL 36703
1 (800) 848-5064

GEORGIA

SELECT TREES
1900 COLE SPRINGS RD.
BISHOP, GA 30621
(706) 743-5124

BOLD SPRINGS NURSERY
1366 COLUMBUS HWY
HAWKINSVILLE, GA 31036
(478) 783-4975

SOUTHEASTERN GROWERS, INC
2240 MACON HIGHWAY
WATKINSVILLE, GA 30677
(706) 310-1110

MOON'S TREE FARM, INC.
175 HAPPY HOLLOW ROAD
WASHINGTON, GA 30673
(770) 554-6849

PLANT INSTALLATION NOTES

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

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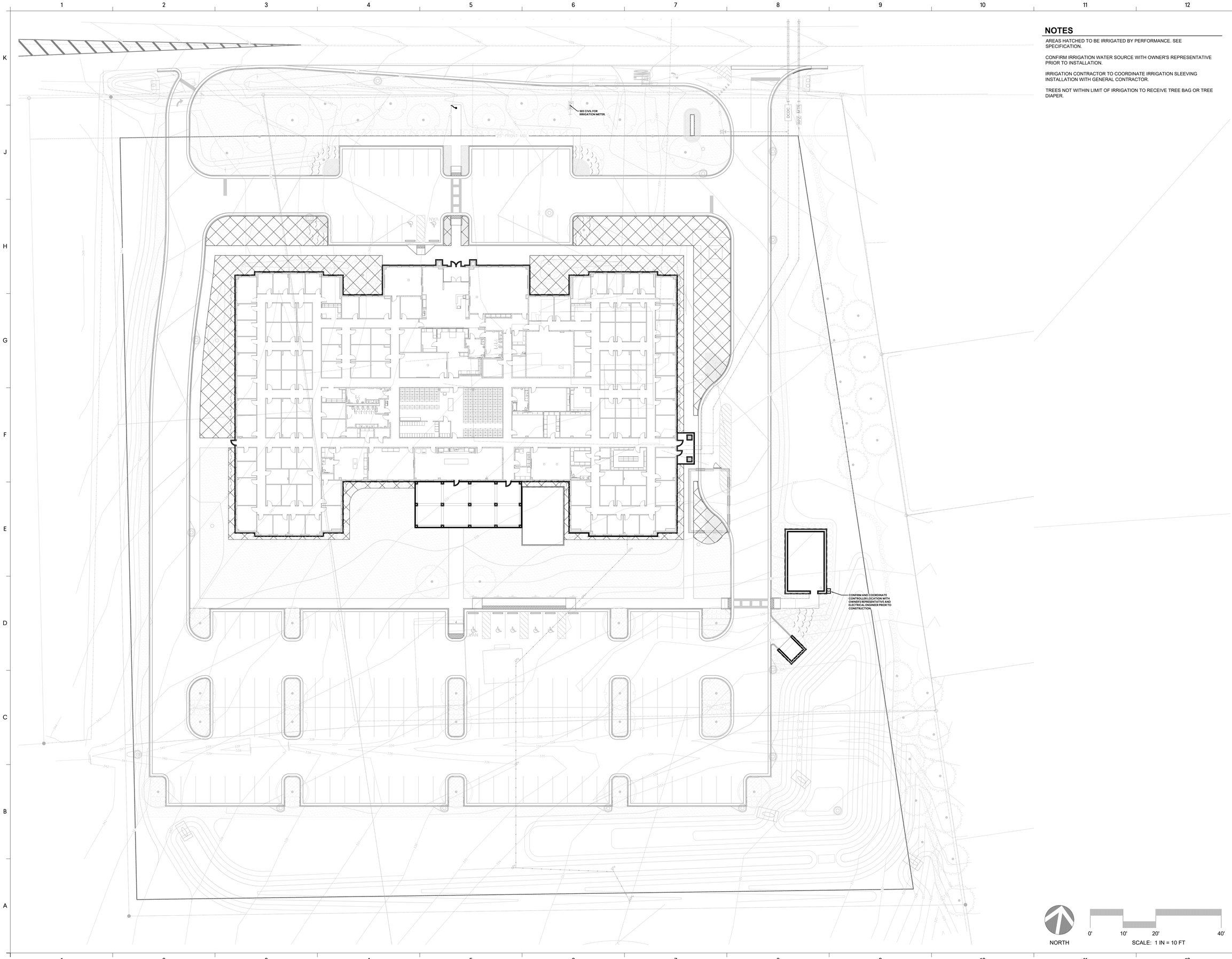
HOUSTON COUNTY DHR
DOTHAN, ALABAMA

GMC Project #: LBHM250046

STATE OF ALABAMA
PATRICK ELIAS RITCHEY
NUMBER 955
REGISTERED LANDSCAPE ARCHITECT

LANDSCAPE DETAILS

L6.00



NOTES

AREAS HATCHED TO BE IRRIGATED BY PERFORMANCE. SEE SPECIFICATION.

CONFIRM IRRIGATION WATER SOURCE WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

IRRIGATION CONTRACTOR TO COORDINATE IRRIGATION SLEEVING INSTALLATION WITH GENERAL CONTRACTOR.

TREES NOT WITHIN LIMIT OF IRRIGATION TO RECEIVE TREE BAG OR TREE DIAPER.

NORTH

0' 10' 20' 40'

SCALE: 1 IN = 10 FT

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GMC Project #: LBHM250046

STATE OF ALABAMA
PATRICK ELIAS PITCHEY
NUMBER 955
REGISTERED LANDSCAPE ARCHITECT

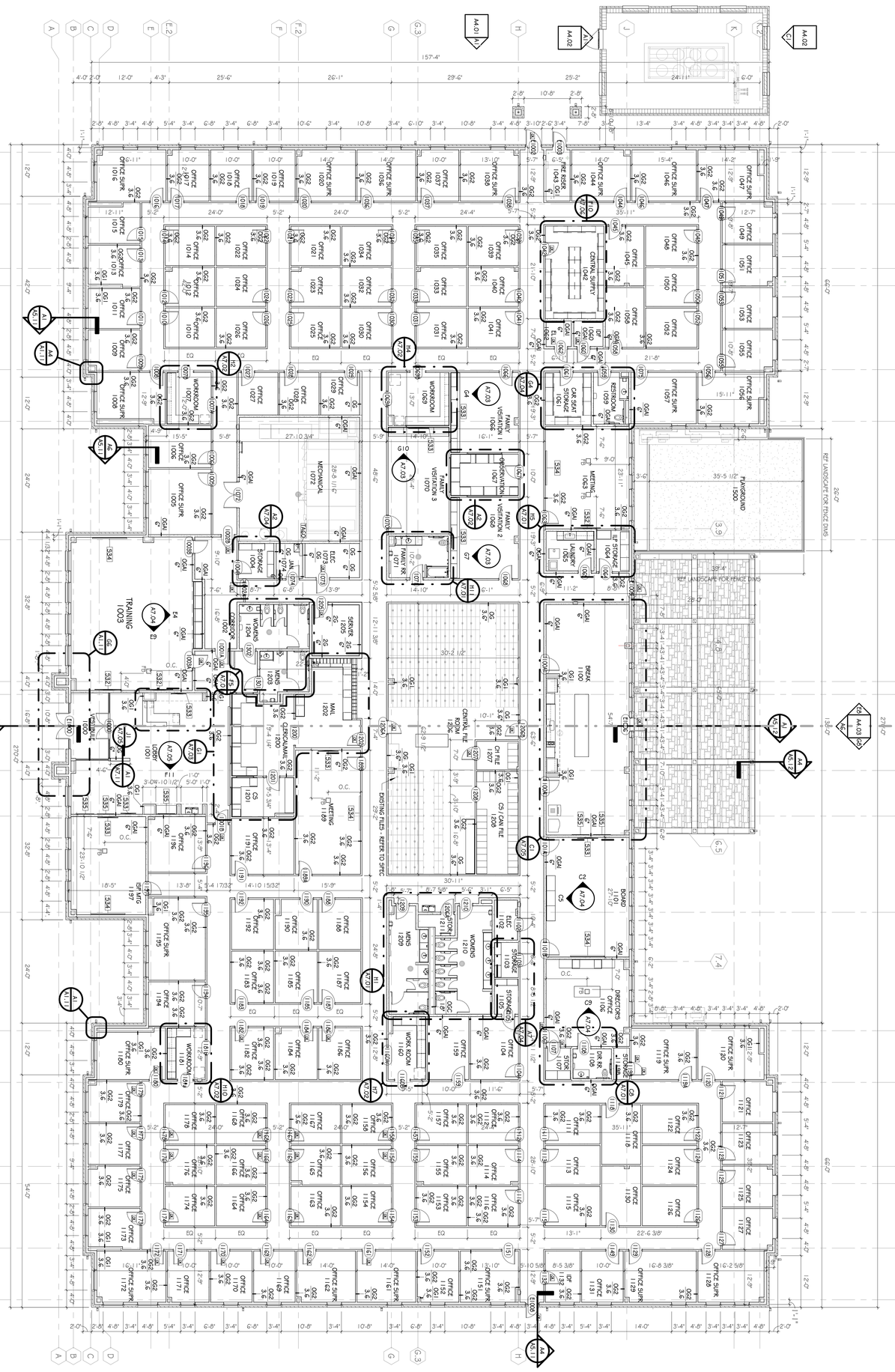
LIMIT OF IRRIGATION PLAN

L7.00

TRUE NORTH

A1 FLOOR PLANS - LEVEL 1

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



SPECIALTY EQUIPMENT SCHEDULE		
ID	DESCRIPTION	OFCI / CFCI
S1	RESIDENTIAL WASHER	CFCI
S2	RESIDENTIAL DRYER	CFCI
S3	COFFEE MAKER - BY OWNER	OFCI
S4	MICROWAVE	CFCI
S6	REFRIGERATOR/FREEZER - SIDE BY SIDE	CFCI
S9	ICE MAKER - COORDINATE PLUMBING & ELEC	CFCI
S10	VENDING MACHINE - COORDINATE ELEC	CFCI
S32	TV - WALL MOUNTED - OWNER FURNISHED - GC TO COORDINATE POWER, DATA, WALL BLOCKING	CFCI
S33	TV - WALL MOUNTED - OWNER FURNISHED - GC TO COORDINATE POWER, DATA, WALL BLOCKING	CFCI
S34	MARKER BOARD - 8' W x 4' H	
S35	GLASS ENCLOSED TACK BOARD - 4' W X 4' H	CFCI
WB-1	WINDOW COVERINGS - MANUAL 2" FAUX WOOD BLIND	CFCI

GENERAL NOTES

FURNITURE SHOWN FOR REFERENCE ONLY. NOT IN CONTRACT.

REFER TO FINISH LEGEND FOR PAINT COLORS CALLED OUT ON REFLECTED CEILING PLANS AND FINISH PLANS.

UNLESS OTHERWISE NOTED, ALL FLOOR TILE SHALL BE CENTERED IN ROOM.

UNLESS OTHERWISE NOTED, ALL CEILING GRID AND LIGHT FIXTURES SHALL BE CENTERED IN ROOM/OPENING.

CONTRACTOR TO REVIEW WITH ARCHITECT, ON SITE, AREAS WITH MULTIPLE CEILING, WALL AND FLOOR FINISHES BEFORE FINISH WORK BEGINS.

REFER TO RCP LEGEND ON OVERALL REFLECTED CEILING PLANS FOR RCP ABBREVIATIONS AND FINISHES.

WALL TILE AND BASE GROUT LINES SHALL ALIGN WITH FLOOR TILE.

PROVIDE BLOCKING FOR GRAB BARS AND TOILET ACCESSORIES IN RESTROOMS.

FLOOR PLAN

A1.01

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STATE OF ALABAMA REGISTERED ARCHITECT 6544

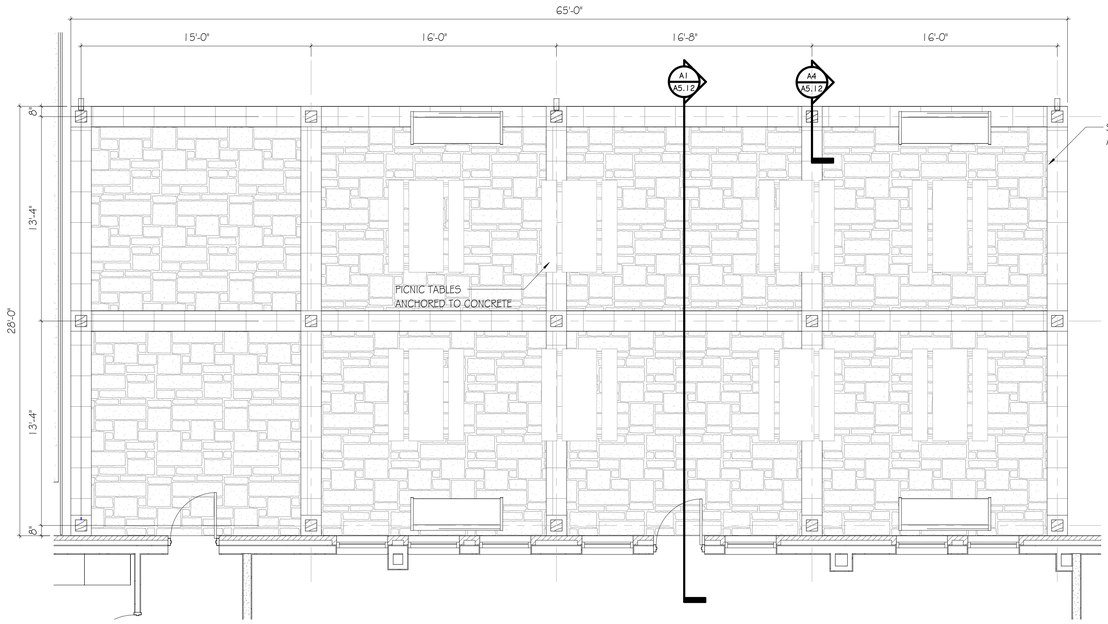
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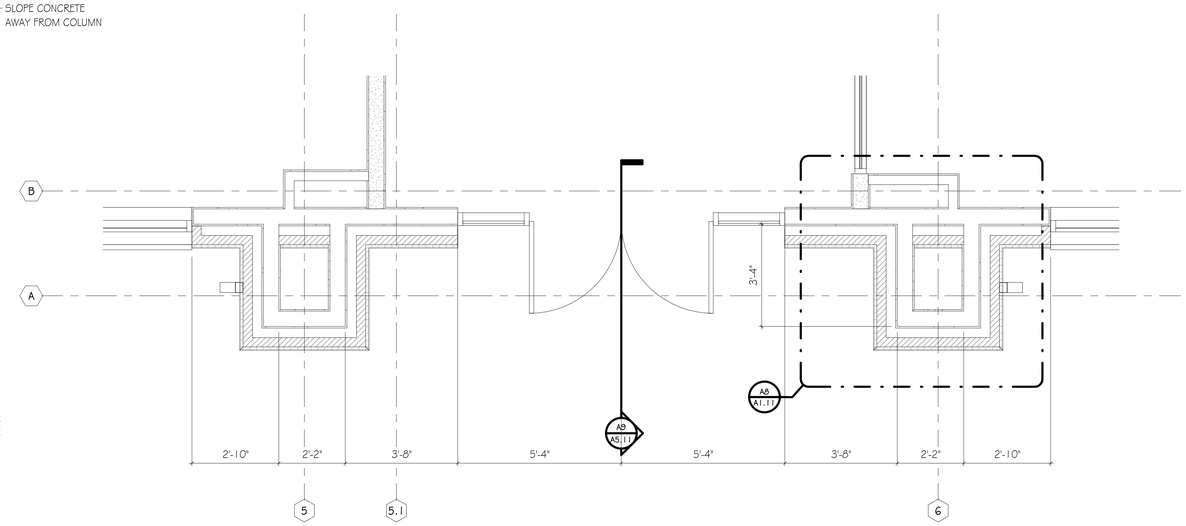
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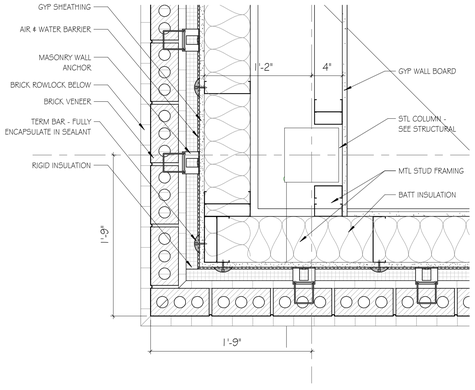
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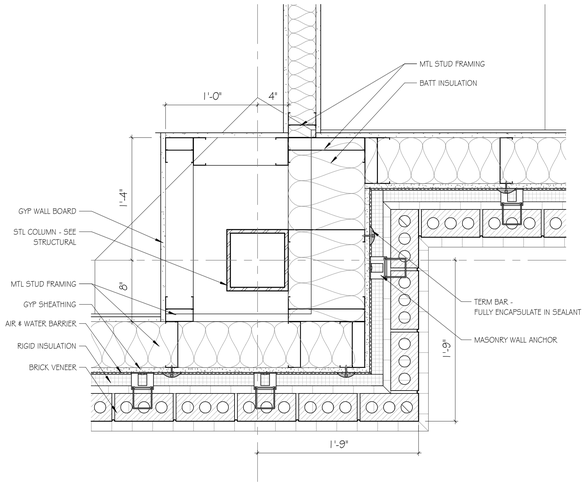
G1 ENLARGED PLAN - OUTDOOR SEATING
SCALE: 1/4" = 1'-0"



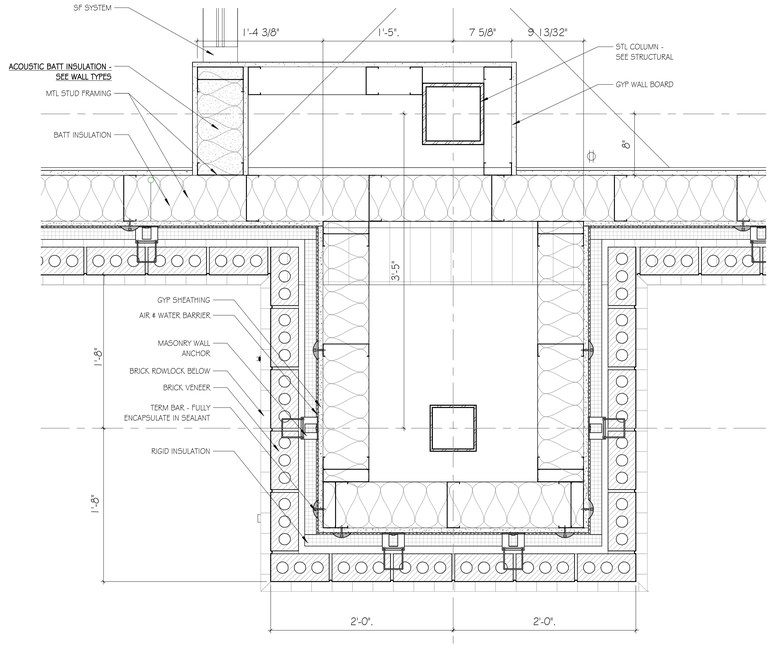
G6 ENTRY VESTIBULE
SCALE: 1/2" = 1'-0"



A1 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



A4 PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



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

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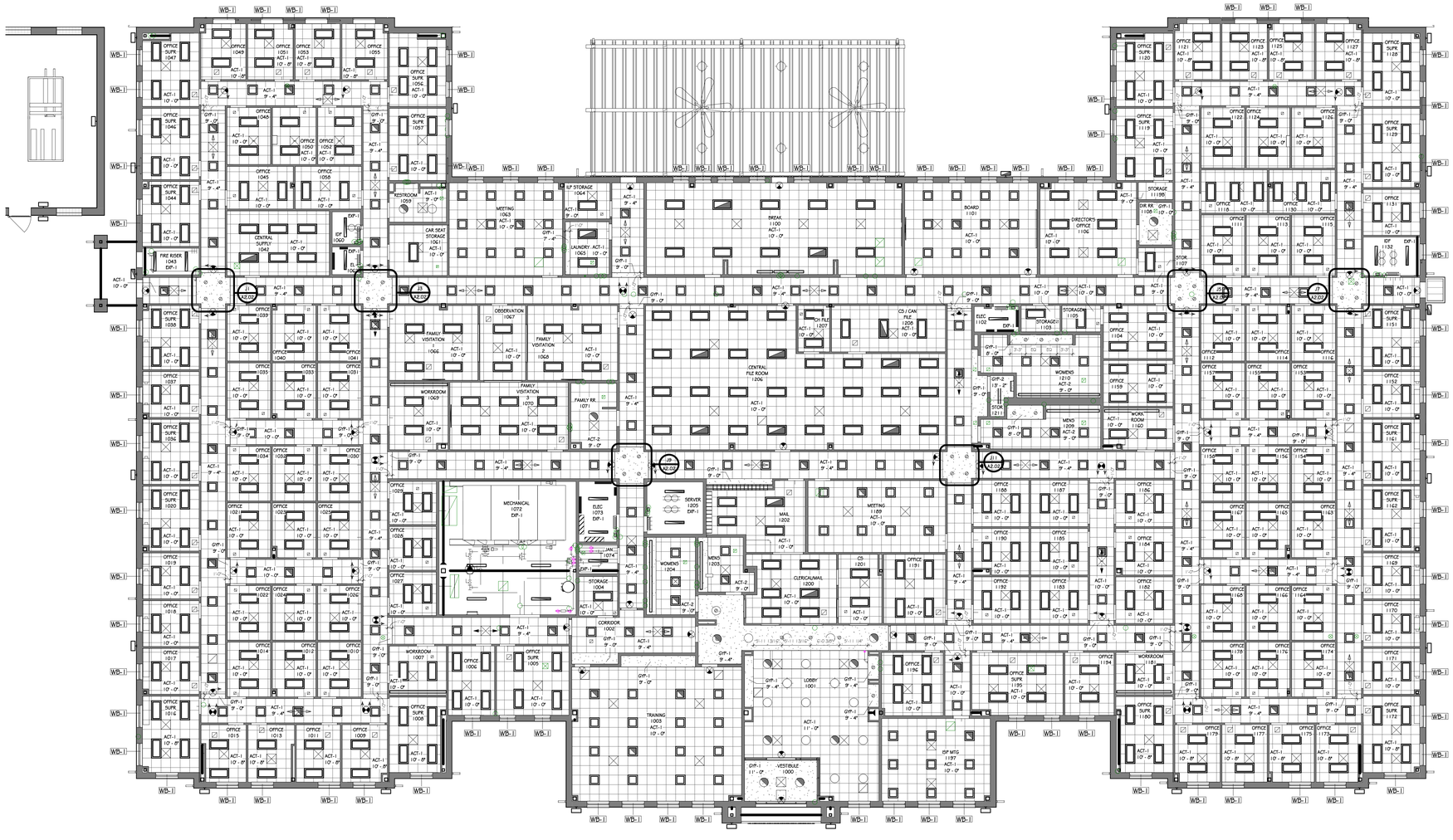
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STATE OF ALABAMA
JACQUELYN D. HART
6544
REGISTERED ARCHITECT

ENLARGED PLANS & DETAILS

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TRUE NORTH

1 OVERALL RCP - LEVEL 1

SCALE: 3/32" = 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

REFLECTED CEILING PLAN NOTES

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

CEILING FINISH LEGEND

NUMBER	TYPE	DETAIL DESCRIPTION
ACT-1	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG CEILINGS STYLE: 1715 SCHOOL ZONE FINE FISSURED - ANGLED TEGULAR COLOR: WHITE SIZE: 24" X 24" X 3/4" SUSPENSION SYSTEM: 15/16" PRELUDE XL - COLOR: WHITE
ACT-2	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG CEILINGS STYLE: 1715 CLEAN ROOM FL - SQUARE LAY-IN COLOR: WHITE SIZE: 24" X 24" X 3/4" SUSPENSION SYSTEM: 15/16" PRELUDE - COLOR: WHITE
GYP-1	GYP BOARD CEILING	PAINTED GYP BOARD CEILING COLOR: PNT-3
GYP-2	GYP BOARD CEILING	PAINTED GYP BOARD CEILING AT UNDERSIDE OF TRUSS COLOR: PNT-3
GYP-3	FIRE RATED GYP BOARD CEILING	PAINTED GYP BOARD CEILING AT UNDERSIDE OF TRUSS 2 HOUR FIRE RATED COLOR: PNT-3

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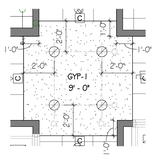
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REFLECTED CEILING PLAN

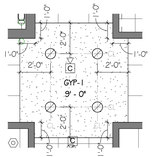
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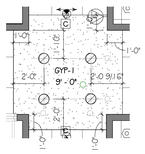
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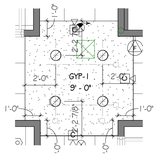
J1 CORRIDOR SOFFIT A
SCALE: 1/4" = 1'-0"



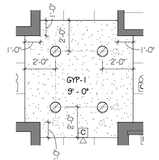
J3 CORRIDOR SOFFIT B
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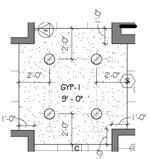
J5 CORRIDOR SOFFIT C
SCALE: 1/4" = 1'-0"



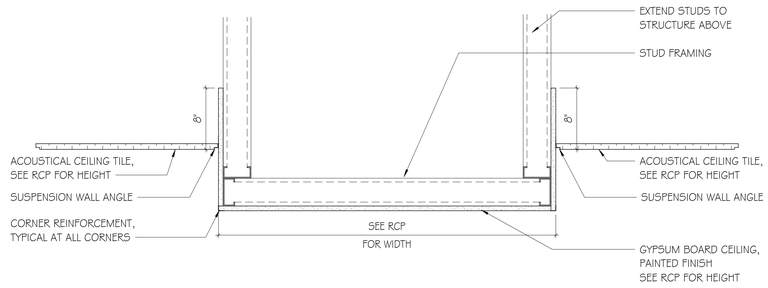
J7 CORRIDOR SOFFIT D
SCALE: 1/4" = 1'-0"



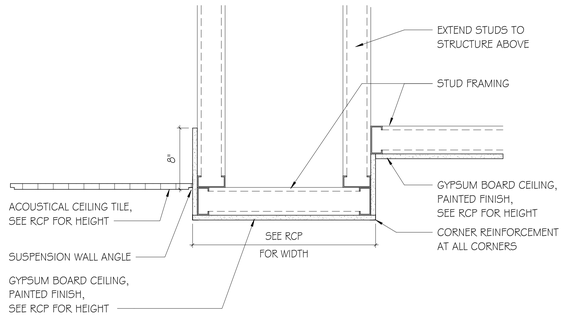
J9 CORRIDOR SOFFIT E
SCALE: 1/4" = 1'-0"



J11 CORRIDOR SOFFIT F
SCALE: 1/4" = 1'-0"



F1 ACT/GYP/ACT
SCALE: 11/2" = 1'-0"



F6 ACT/GYP/GYP
SCALE: 11/2" = 1'-0"

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COOPER MILLS & CRAWLEY, INC.
6544
JACQUELYN D. HART
BIRMINGHAM, ALABAMA
REGISTERED ARCHITECT

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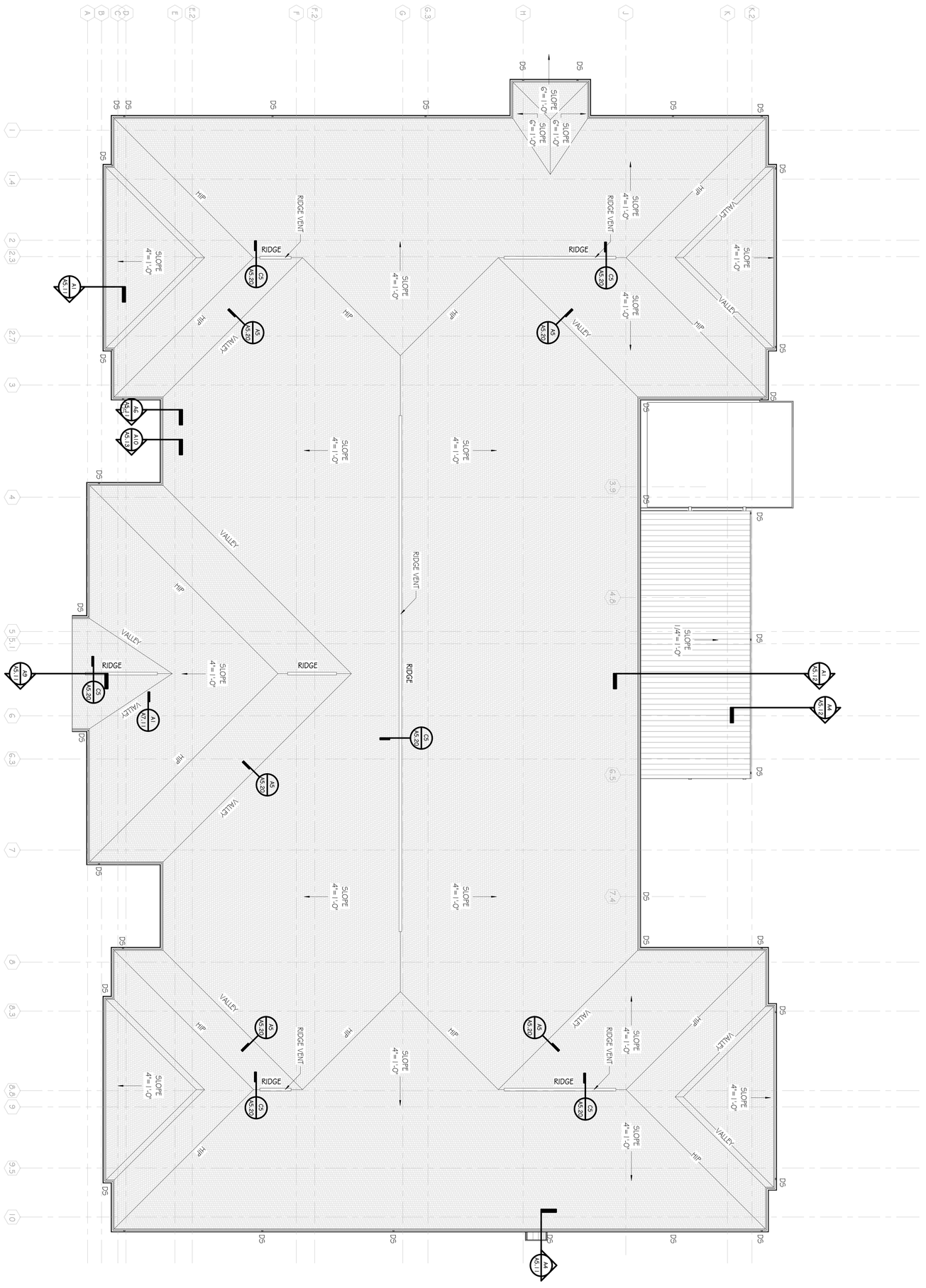
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A1 ROOF PLAN - OVERALL

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



KEY NOTES - ROOF PLAN

KEY

KEYNOTE	
R1	[ENTER INSTRUCTIONS]

Starter Note
R1
Copy/paste to plan if needed
Delete if not needed

ROOF PLAN

A3.01
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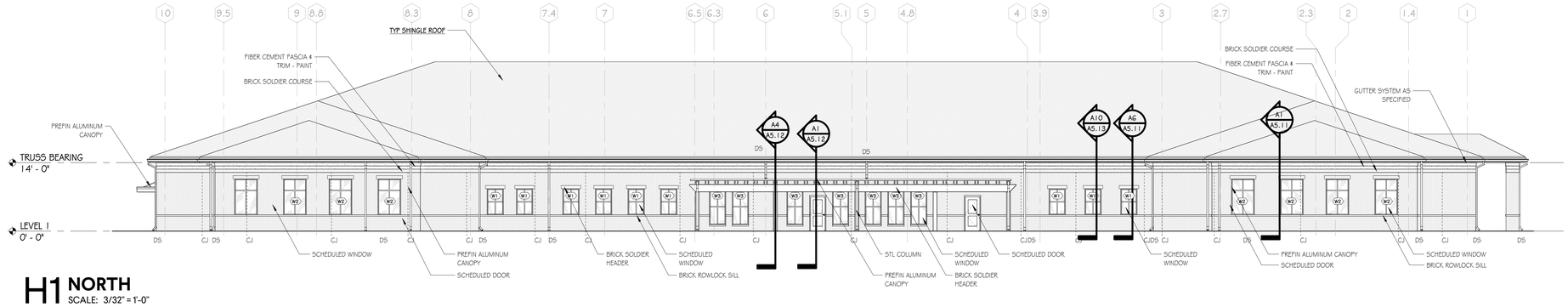
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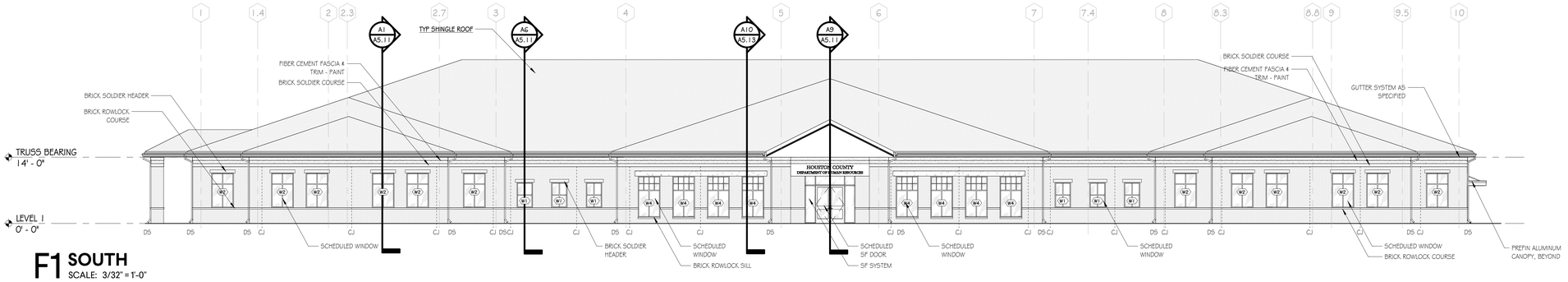
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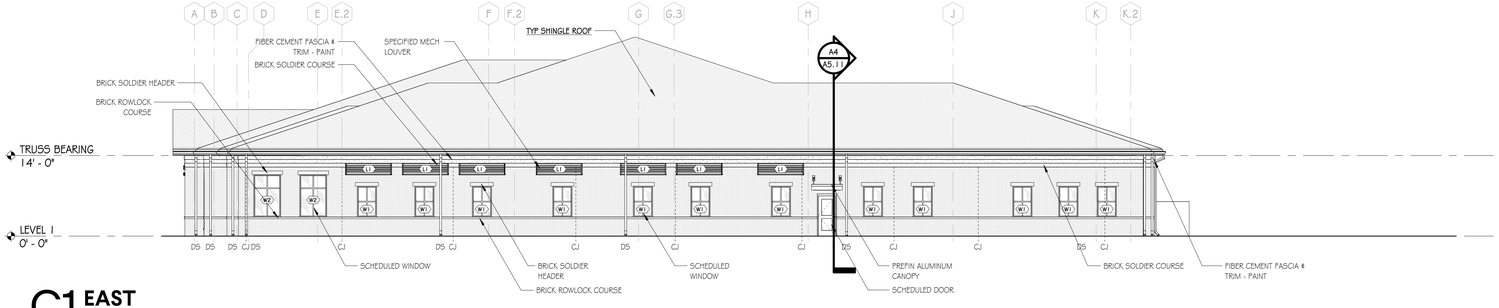
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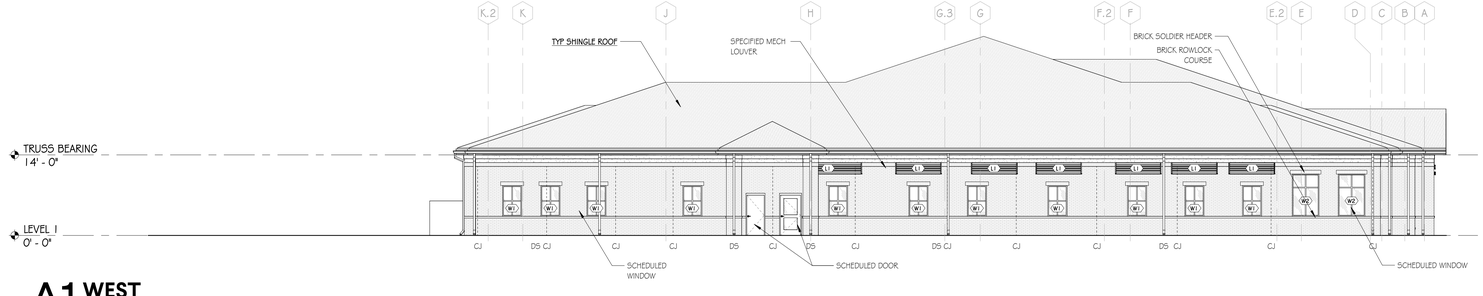
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F1 SOUTH
SCALE: 3/32" = 1'-0"

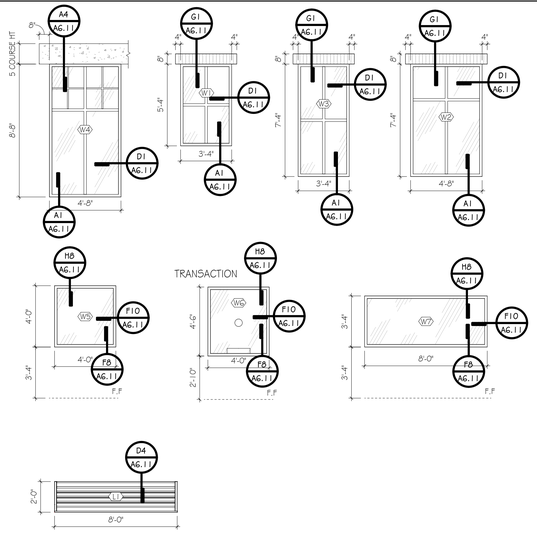


C1 EAST
SCALE: 3/32" = 1'-0"



A1 WEST
SCALE: 3/32" = 1'-0"

WINDOW LEGEND



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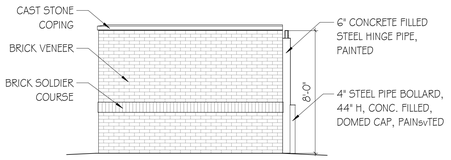
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GMC # ABHM250019

STATE OF ALABAMA · JACQUELYN D. HART · 6544 · REGISTERED ARCHITECT

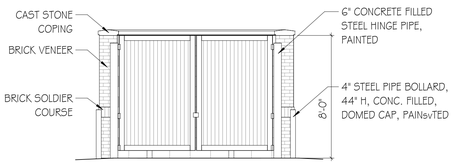
EXTERIOR ELEVATIONS

A4.01
sheet ___ of ___

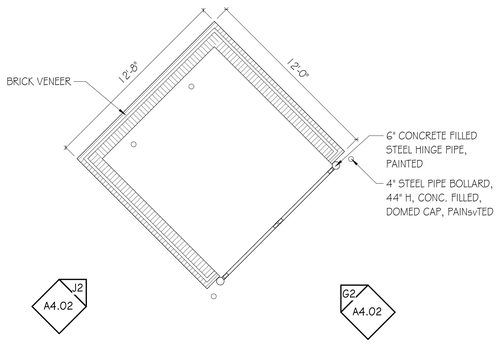
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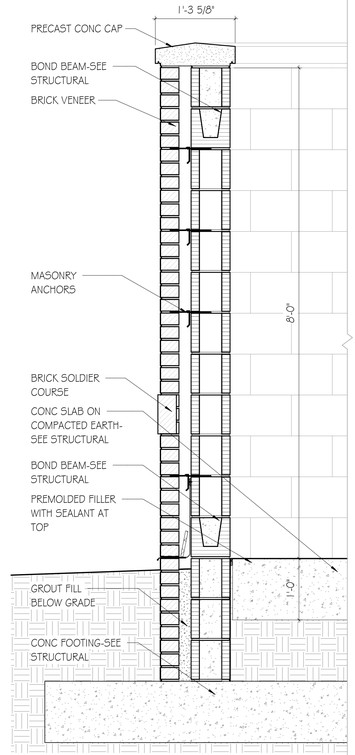
J2 DUMPSTER - NORTH
SCALE: 1/4" = 1'-0"



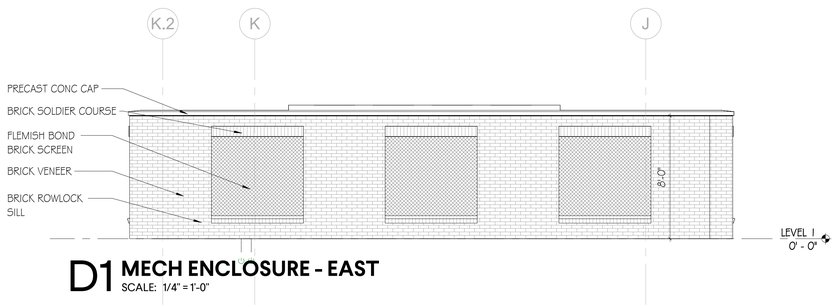
G2 DUMPSTER - WEST
SCALE: 1/4" = 1'-0"



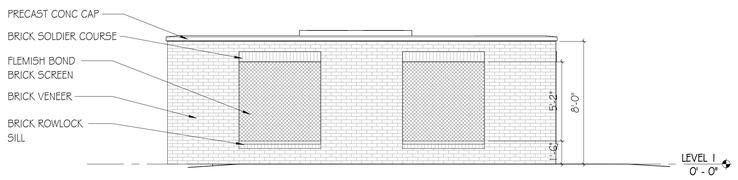
G6 DUMPSTER ENCLOSURE
SCALE: 1/4" = 1'-0"



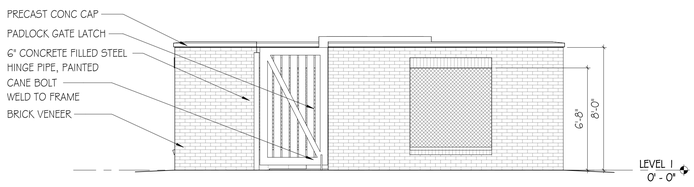
F9 DUMPSTER ENCLOSURE SECTION
SCALE: 1" = 1'-0"



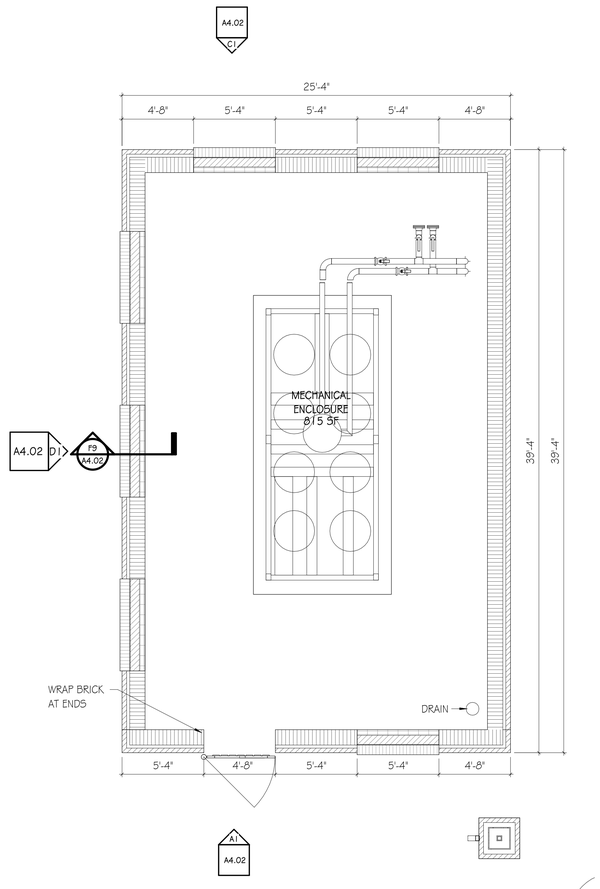
D1 MECH ENCLOSURE - EAST
SCALE: 1/4" = 1'-0"



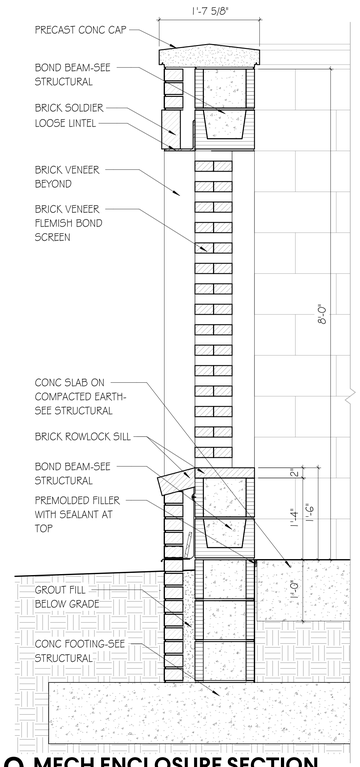
C1 MECH ENCLOSURE - NORTH
SCALE: 1/4" = 1'-0"



A1 MECH ENCLOSURE - SOUTH
SCALE: 1/4" = 1'-0"



A6 MECHANICAL ENCLOSURE
SCALE: 1/4" = 1'-0"



A9 MECH ENCLOSURE SECTION
SCALE: 1" = 1'-0"

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Dothan, Alabama 36301
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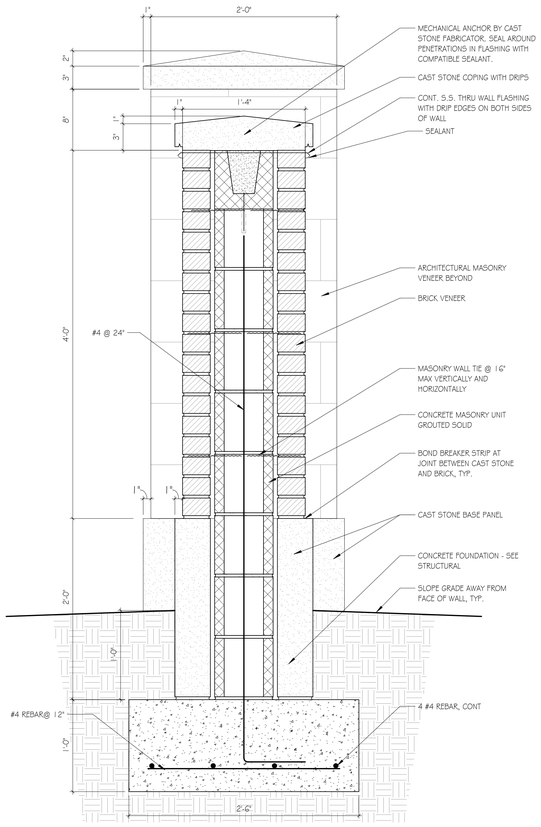
STATE OF ALABAMA · JOSEPH WILLS & CAMPBELL INC · 6544 · JACQUELYN D. HART · BIRMINGHAM, ALABAMA · REGISTERED ARCHITECT

MECH & DUMPSTER ENCLOSURE

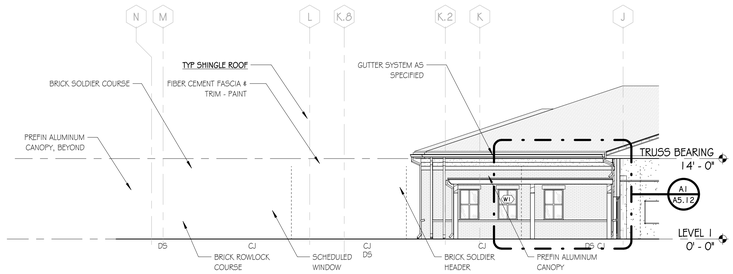
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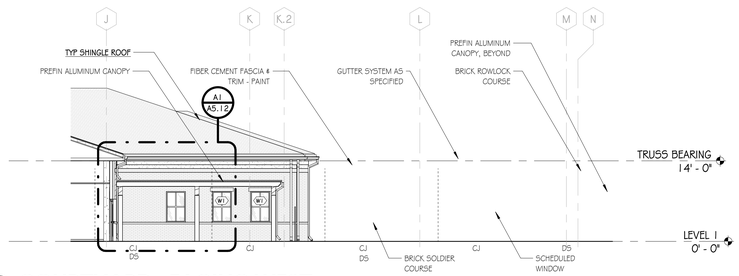
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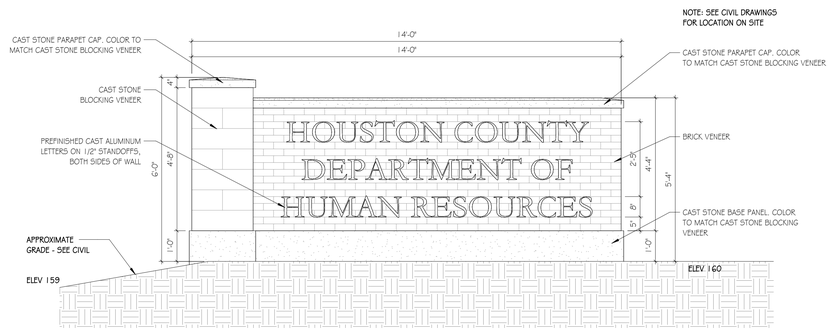
E1 MONUMENT SIGN SECTION
SCALE: 11/2" = 1'-0"



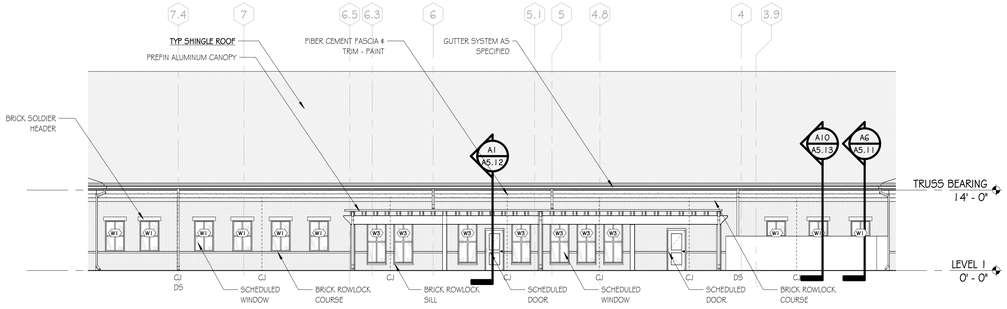
G8 COURTYARD - FACING EAST
SCALE: 3/32" = 1'-0"



E8 COURTYARD - FACING WEST
SCALE: 3/32" = 1'-0"



A1 MONUMENT SIGN
SCALE: 1/2" = 1'-0"



A6 COURTYARD - FACING SOUTH
SCALE: 3/32" = 1'-0"

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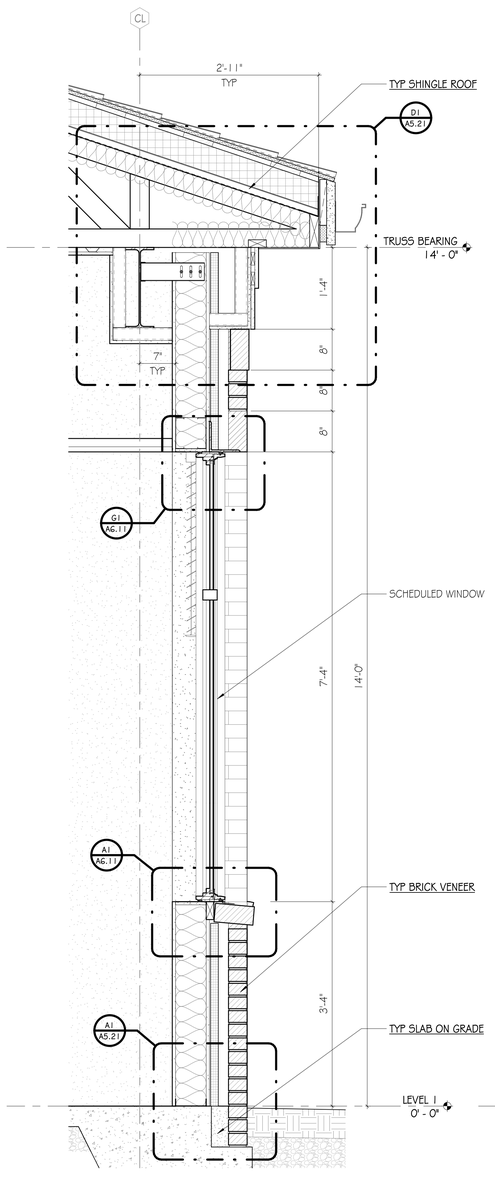
STATE OF ALABAMA
JACQUELYN D. HART
6544
REGISTERED ARCHITECT

EXTERIOR ELEVATIONS

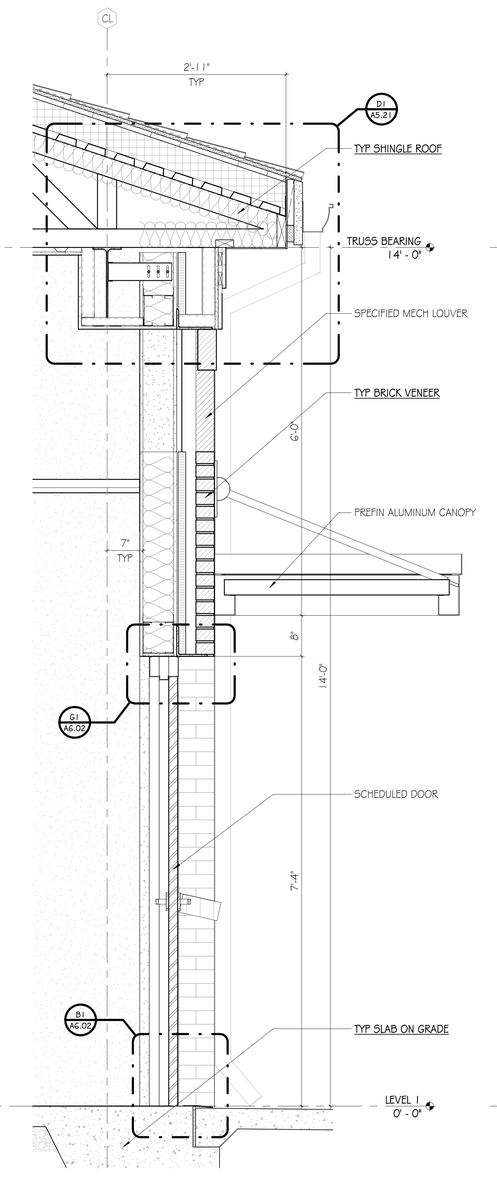
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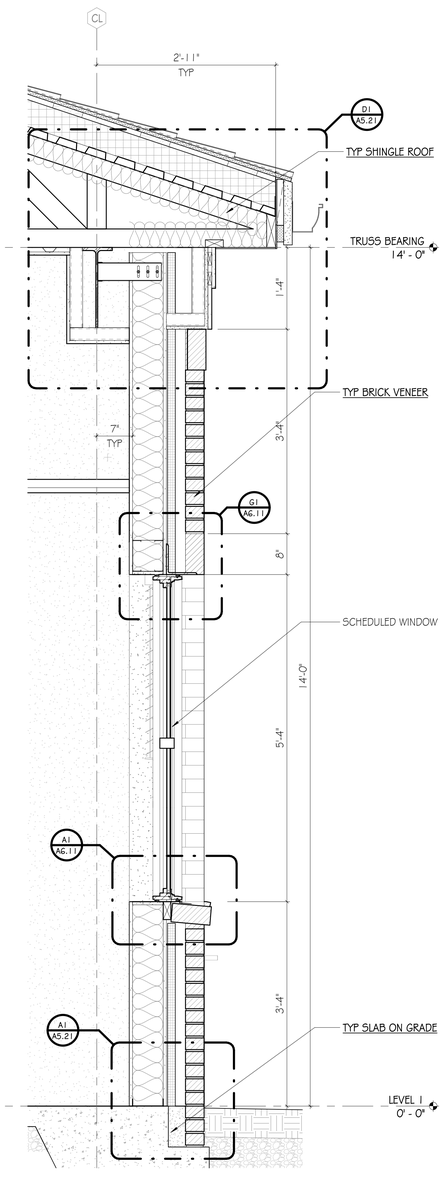
WALL SECTIONS



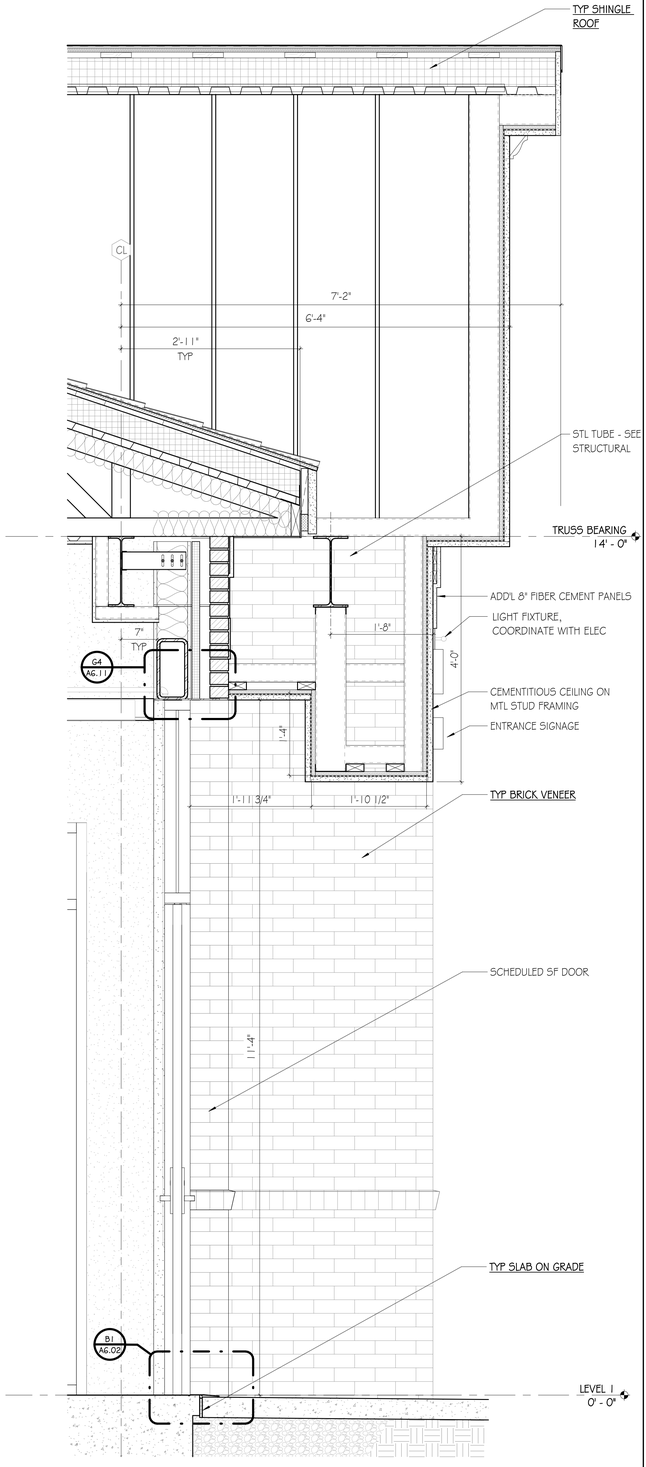
A1 WALL SECTION
SCALE: 1" = 1'-0"



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



A6 WALL SECTION
SCALE: 1" = 1'-0"



A9 ENTRANCE VESTIBULE
SCALE: 1" = 1'-0"

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STATE OF ALABAMA
JOSEPH WILES K'LANGE, INC.
6544
JACQUELYN D. HART
REGISTERED ARCHITECT

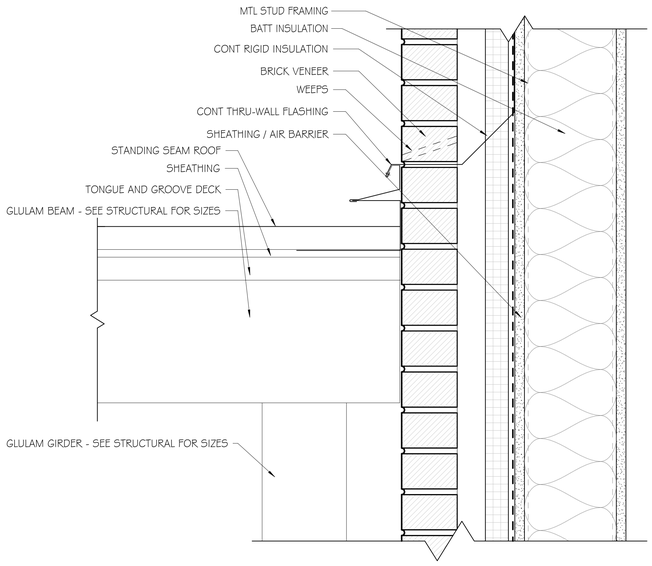
WALL SECTIONS

A5.11

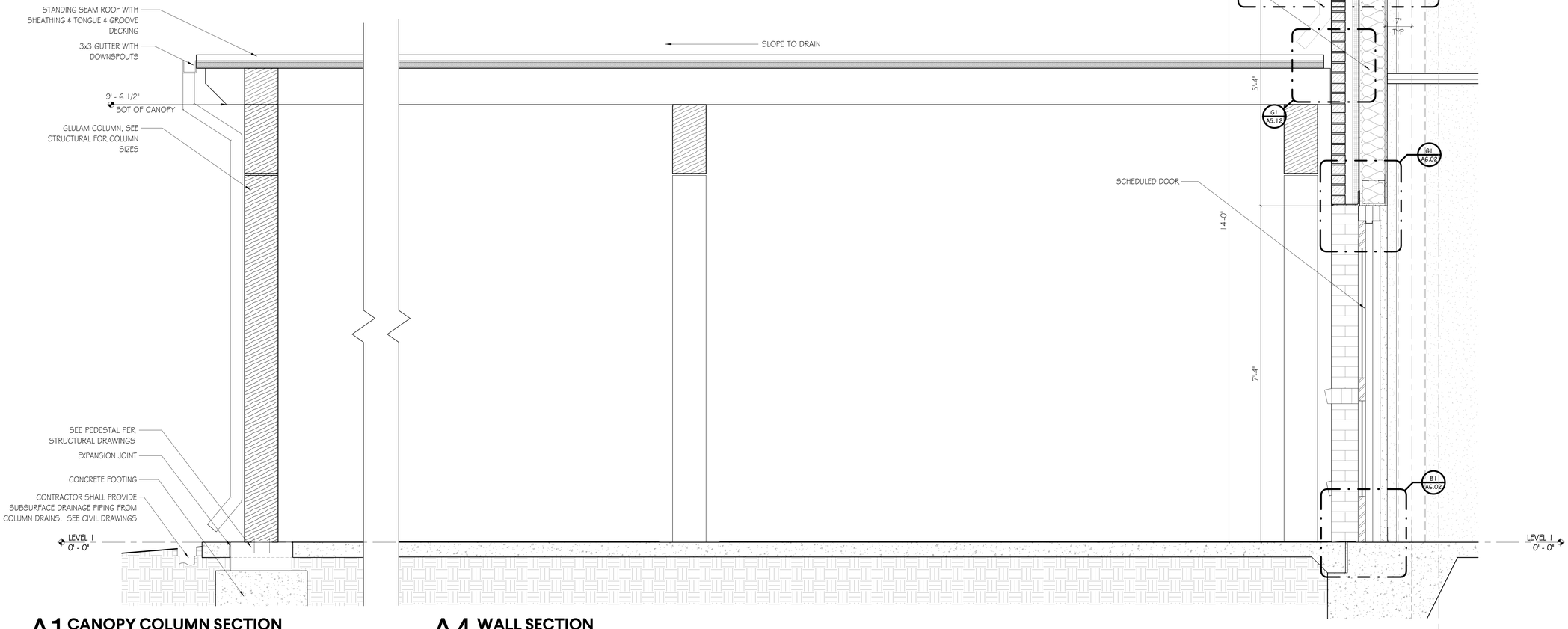
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WALL SECTIONS



G1 CANOPY FLASHING
SCALE: 3" = 1'-0"



A1 CANOPY COLUMN SECTION
SCALE: 1" = 1'-0"

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

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STATE OF ALABAMA
JOSEPH MILLS & ASSOCIATES, INC.
6544
JACQUELYN D. HART
REGISTERED ARCHITECT

WALL SECTIONS

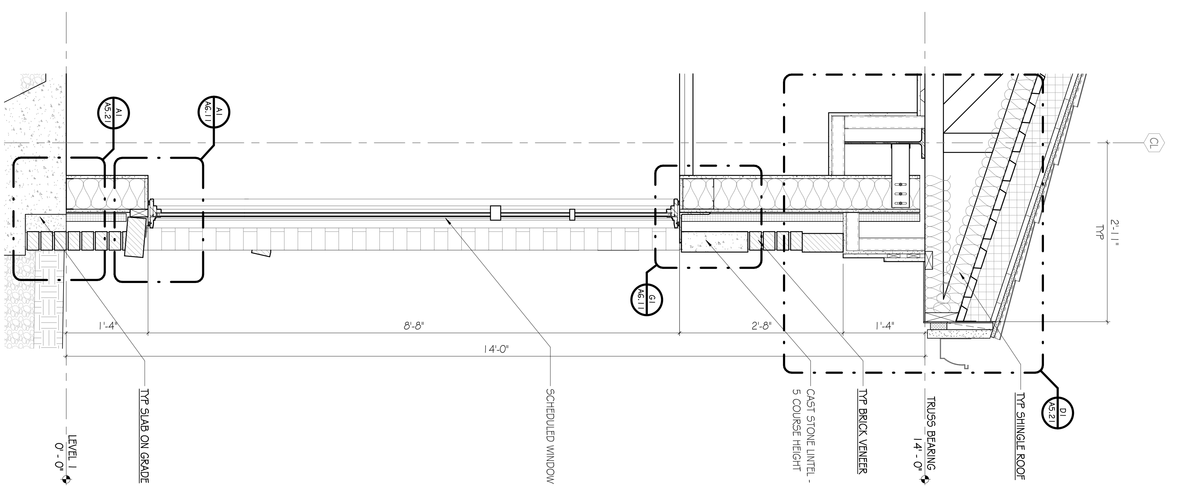
A5.12
sheet ___ of ___

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A10 WALL SECTION

SCALE: 1" = 1'-0"



WALL SECTIONS

A5.13

sheet of

STATE OF ALABAMA · REGISTERED ARCHITECT · 6544

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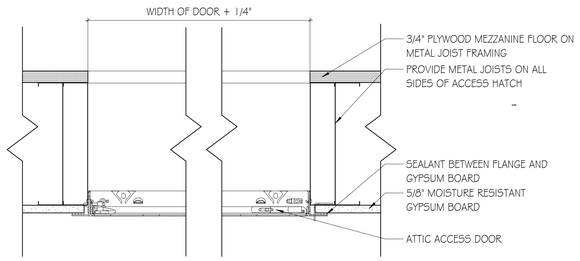
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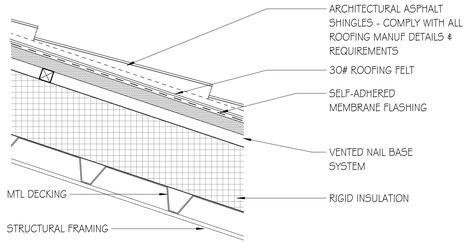
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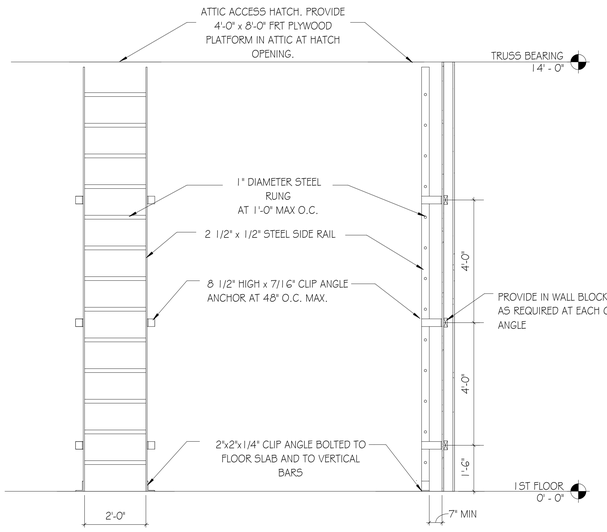
TYPICAL ROOF CONSTRUCTION DETAILS



H1 ATTIC ACCESS HATCH SECTION
SCALE: 3" = 1'-0"



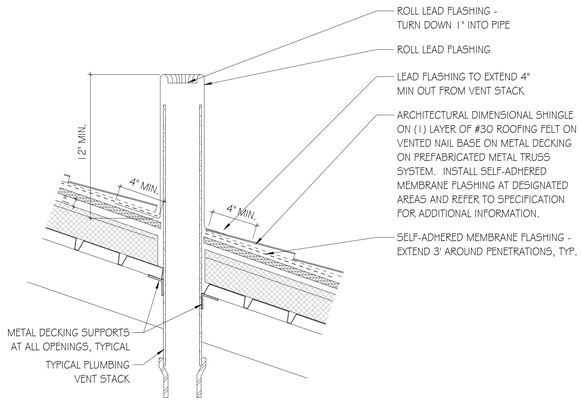
H5 TYP SHINGLE ROOF
SCALE: 3" = 1'-0"



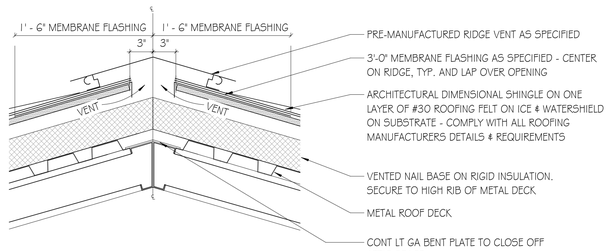
NOTES:

1. LADDER SHALL COMPLY WITH ALL REQUIREMENTS OF OSHA REGULATIONS (STANDARDS - 29 CFR) LADDERS- 1926.1053 AND ASME A17.1, SECTIONS 2.2.4 & 3.2.4.
2. LADDER SHALL BE 1'-6" WIDE WITH 1'-4" MINIMUM CLEAR BETWEEN VERTICAL BARS UNLESS LADDER IS REQUIRED TO BE WIDER BY CODES ENFORCED BY AUTHORITIES HAVING JURISDICTION.
3. THE LADDER AND ITS ATTACHMENTS SHALL BE DESIGNED AND INSTALLED TO BE CAPABLE OF SUSTAINING A MINIMUM LIVE LOAD OF 500 POUNDS, AND IT SHALL COMPLY WITH OSHA 1926.1053(a)(1)(iii).

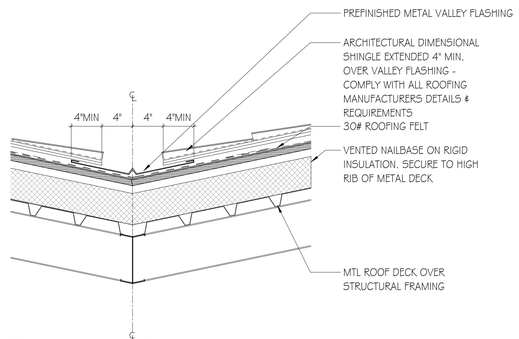
C1 LADDER DETAILS
SCALE: 1/2" = 1'-0"



E5 TYPICAL ROOF PENETRATION DETAIL
SCALE: 11/2" = 1'-0"

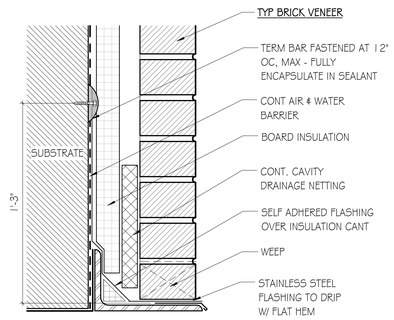


C5 TYPICAL ROOF RIDGE VENT DETAIL
SCALE: 11/2" = 1'-0"

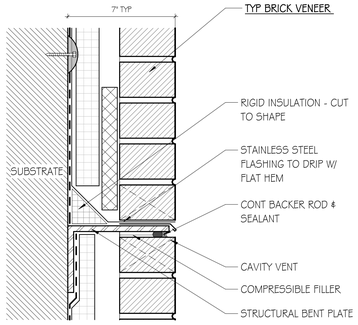


A5 TYPICAL VALLEY DETAIL
SCALE: 11/2" = 1'-0"

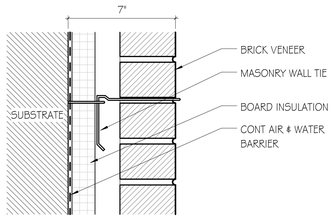
TYPICAL WALL CONSTRUCTION DETAILS



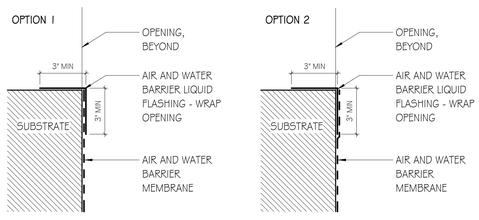
H9 TYP BRICK HEADER
SCALE: 3" = 1'-0"



E9 TYP BRICK RELIEF ANGLE
SCALE: 3" = 1'-0"



C9 TYP BRICK VENEER
SCALE: 3" = 1'-0"



A9 TYP JAMB BARRIER
SCALE: 3" = 1'-0"

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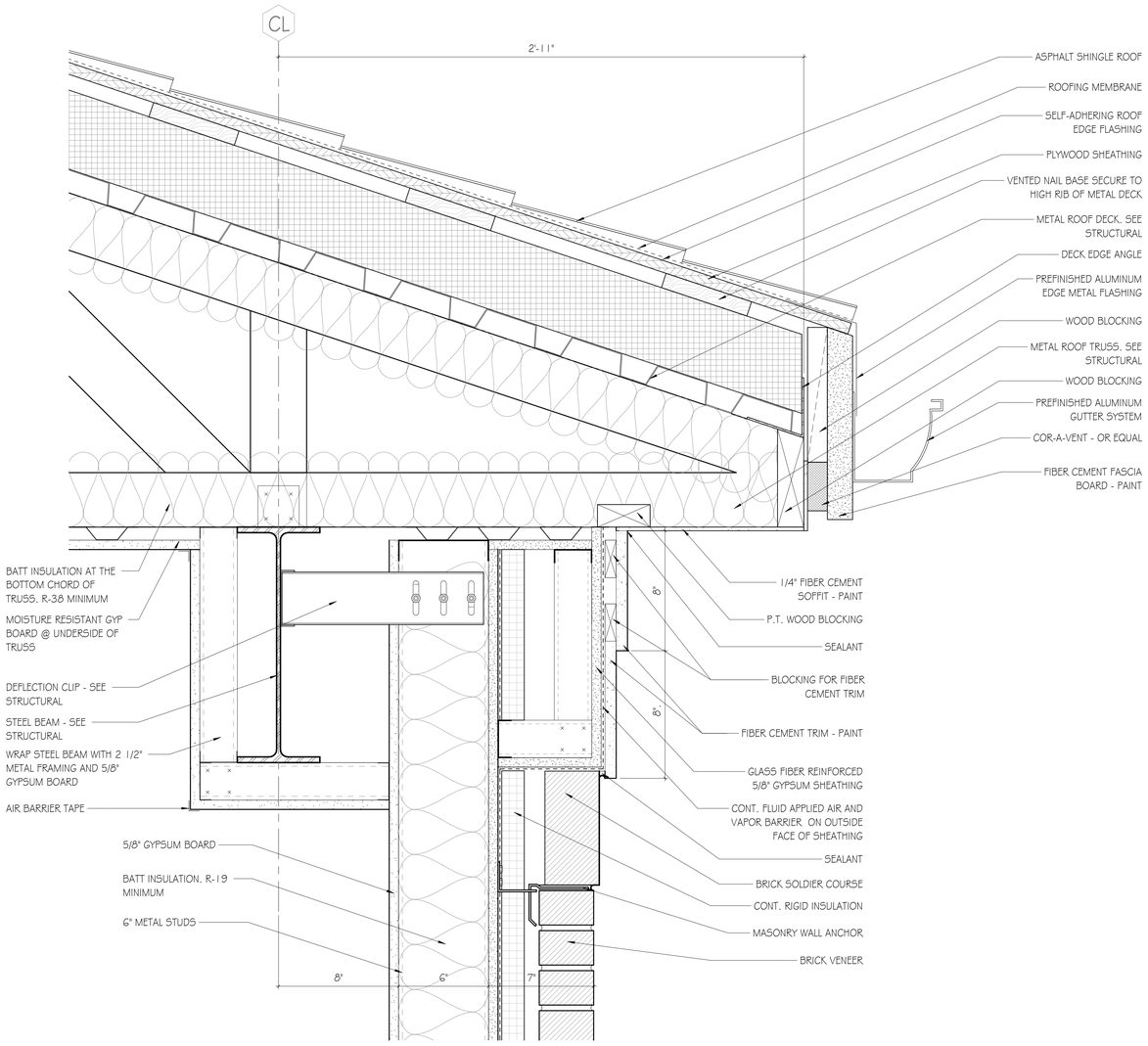
STATE OF ALABAMA — COUNTIES MILLS & CAHABA INC. — 6544 — JACQUELYN D. HART — REGISTERED ARCHITECT

TYP CONSTRUCTION DETAILS

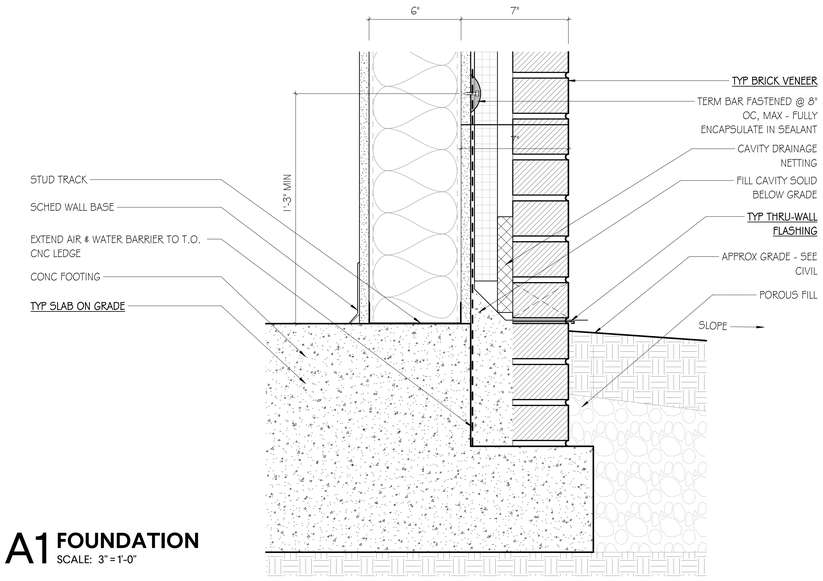
A5.20

sheet of

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D1 ROOF EAVE
SCALE: 3" = 1'-0"



A1 FOUNDATION
SCALE: 3" = 1'-0"

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SECTION DETAILS

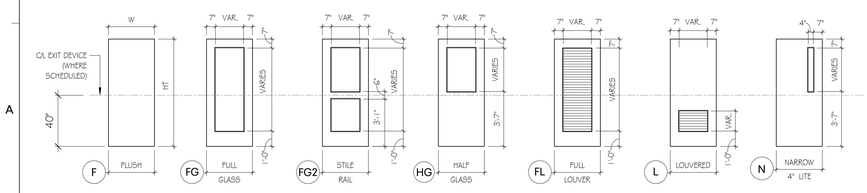
A5.21
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DOOR SCHEDULE

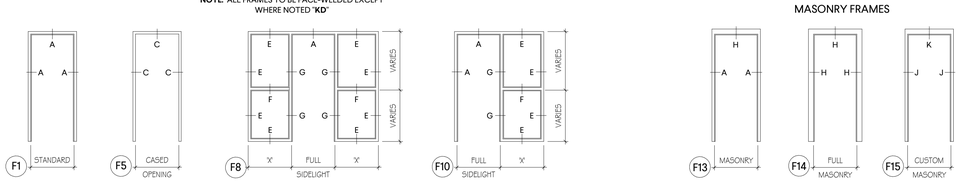
LOCATION		SIZE			DOOR			FRAME			HARDWARE		DETAILS					
DOOR NUMBER	ROOM NAME	WIDTH	HEIGHT	THICKNESS	DOOR TYPE	MATERIAL	GLASS / LOUVER	FRAME TYPE	MATERIAL	GLASS TYPE	HOLD OPEN	ACCESS CONTROL	HEAD	JAMB	SILL	FIRE RATING	NUMBERED NOTES
100A	BREAK	3' - 0"	7' - 0"	13/4"	FG2	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1000	LOBBY	6' - 0"	7' - 9"	13/4"	FG2	SF		SF	HM								
1001A	CORRIDOR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1001B	LOBBY	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1002A	CORRIDOR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1002B	CORRIDOR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1003A	LOBBY	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1003B	CORRIDOR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1004	STORAGE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1005	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1006	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1007A	WORKROOM	3' - 6"	7' - 0"	0"	-	-	F5	F5	WD				G4 / A6.02	D4 / A6.02			
1007B	WORKROOM	3' - 6"	7' - 0"	0"	-	-		F5	WD				G4 / A6.02	D4 / A6.02			
1008	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1009	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1010	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1011	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1012	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1013	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1014	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1015	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1016	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1017	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1018	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1019	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1020	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1021	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1022	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1023	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1024	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1025	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1026	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1027	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1028	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1029	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1030	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1031	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1032	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1033	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1034	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1035	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1036	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1037	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1038	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1039	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1040	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1041	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1042	CENTRAL SUPPLY	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1044	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1045	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM								
1046	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1047	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1048	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1049	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1050	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1051	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1052	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1053	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1055	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1056	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1058	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM								
1059	RESTROOM	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1060	IDF	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1061	CAR SEAT STORAGE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1062	EL	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1063	MEETING	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1064	ILP STORAGE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1065	LAUNDRY	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1066	FAMILY VISITATION 1	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1067	OBSERVATION	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1068	FAMILY VISITATION 2	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1069A	WORKROOM	3' - 6"	7' - 0"	0"	-	-	F5	F5	WD				G4 / A6.02	D4 / A6.02			
1069B	WORKROOM	3' - 6"	7' - 0"	0"	-	-	F5	F5	WD				G4 / A6.02	D4 / A6.02			
1070	FAMILY VISITATION 3	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1071	FAMILY RR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1072	MECHANICAL	6' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1073	ELEC	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1074	JAN	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1075	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1100A	BREAK	3' - 0"	7' - 0"	13/4"	FG2	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1101A	BOARD	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1101B	BOARD	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1102	ELEC	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1103	STORAGE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1104	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1105	STORAGE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1106	DIRECTOR'S OFFICE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1107	STOR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1108	DIR RR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1111	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1112	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1113	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1114	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1115	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1116	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1118	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM								
1119A	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1119B	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1120	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1121	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1122	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1123	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1124	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1125	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1126	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1127	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1128	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM								
1129	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1130	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM								
1132	IDF	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1149	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1151	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1152	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1153	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1154	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1155	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1156	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1157	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1158	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1159	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1160A	WORK ROOM	3' - 6"	7' - 0"	0"	-	-	F5	F5	WD				G4 / A6.02	D4 / A6.02			
1160B	WORK ROOM	3' - 6"	7' - 0"	0"	-	-		F5	WD				G4 / A6.02	D4 / A6.02			
1161	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1162	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1163	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1164	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1165	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1166	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1167	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1168	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1169	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1170	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1171	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1172	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1173	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1174	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1175	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1176	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1177	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1178	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1179	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1180	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1181a	WORKROOM	3' - 6"	7' - 0"	0"	-	-		F5	WD				G4 / A6.02	D4 / A6.02			
1181b	WORKROOM	3' - 6"	7' - 0"	0"	-	-		F5	WD				G4 / A6.02	D4 / A6.02			
1182	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1183	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1184	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1185	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1186	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM			CR	G4 / A6.02	D4 / A6.02			
1187	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1188	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1189A	MEETING	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1189B	MEETING	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1190	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1191	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1192	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1194	OFFICE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1195	OFFICE SUPR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1196	OFFICE	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1197	ISP MTG	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1200	MAIL	6' - 0"	7' - 0"	0"				F5	WD				G4 / A6.02	D4 / A6.02			
1201	CS	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1202	MAIL	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1205	SERVER	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02		90 MIN	
1206A	CENTRAL FILE ROOM	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1206A	STOR	3' - 0"	7' - 0"	13/4"	N	WD	G1	F1	HM				G4 / A6.02	D4 / A6.02			
1206B	CENTRAL FILE ROOM	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1207	CH FILE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM			CR	G4 / A6.02	D4 / A6.02			
1208	CS / CAN FILE	3' - 6"	7' - 0"	0"	-	-		F5	WD				G4 / A6.02	D4 / A6.02			
1209	MENS	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1210	WOMENS	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1301	MENS	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
1302	WOMENS	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM				G4 / A6.02	D4 / A6.02			
E1000	VESTIBULE	6' - 0"	8' - 0"	13/4"	FG2	SF		SF	HM						A2		
E1002	CORRIDOR	3' - 6"	7' - 0"	13/4"	FG2	HM	G1	F1	HM			CR	G1 / A6.02	D1 / A6.02	B1 / A6.02		
E1003	FIRE RISER	3' - 0"	7' - 0"	13/4"	F	HM			HM			CR	G1 / A6.02	D1 / A6.02	B1 / A6.02		
E1005	CORRIDOR	3' - 0"	7' - 0"	13/4"	FG2	HM	G1	F1	HM			CR	G1 / A6.02	D1 / A6.02	B1 / A6.02		
E1006	BREAK	3' - 0"	7' - 0"	13/4"	FG2	HM	G1	F1	HM			CR	G1 / A6.02	D1 / A6.02	B1 / A6.02		
E1008	CORRIDOR	3' - 0"	7' - 0"	13/4"	FG2	HM	G1	F1	HM			CR	G1 / A6.02	D1 / A6.02	B1 / A6.02		

DOOR TYPES - WOOD + HOLLOW METAL SWING DOORS



FRAME TYPES - HOLLOW METAL

NOTE: ALL FRAMES TO BE FACE-WELDED EXCEPT WHERE NOTED "KD"



MASONRY FRAMES

DOOR COMMENTS LEGEND

01 MAGNETIC HOLD-OPEN DEVICES
02 AUTOMATIC DOOR OPERATOR, SEE SPECIFICATIONS
03 AUTOMATIC ENTRANCE DOORS, SEE GLAZING SCHEDULE FOR CONFIGURATION
04 ALUMINUM-FRAME ENTRANCE DOORS, SEE GLAZING SCHEDULE FOR CONFIG.
05 ALL-GLASS ENTRANCE DOORS, SEE GLAZING SCHEDULE FOR CONFIGURATION
06 ALUMINUM-FRAME ICU/CCU DOOR, SEE GLAZING SCHEDULE FOR CONFIGURATION
07 SLIDING ICU/CCU DOOR, SEE SPECIFICATIONS
08 OVERHEAD COILING DOOR, SEE SPECIFICATIONS
09 OVERHEAD COILING GRILLE, SEE SPECIFICATIONS
10 SOUND CONTROL DOOR, SEE SPECIFICATIONS
11 POCKET DOOR AND FRAME, SEE SPECIFICATIONS
12 LEAD-LINED DOOR AND FRAME, SEE SPECIFICATIONS: RADIATION PROTECTION
13 SOUND RATED ASSEMBLY. MATCH RATING OF PARTITION IN WHICH LOCATED
14 THERMAL RATED [INSULATED] ASSEMBLY
15 DOOR EDGE CONSTRUCTION: SEAMLESS
16 LEVEL 3 AND PHYSICAL PERFORMANCE LEVEL A [EXTRA HEAVY-DUTY]
17 EGRESS - EXIT ONLY DOOR
18 EXISTING DOOR AND FRAME TO REMAIN
19 EXISTING FRAME TO REMAIN
20 INSTALL NEW DOOR HARDWARE AS SCHED. MODIFY EXIST. DOOR/FRAME AS REQ'D
21 MECHANICAL KEYPAD LOCK, SEE SPECIFICATIONS
22 STORM SHELTER DOOR

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 GLAZING SCHEDULE FOR CONFIGURATION.)

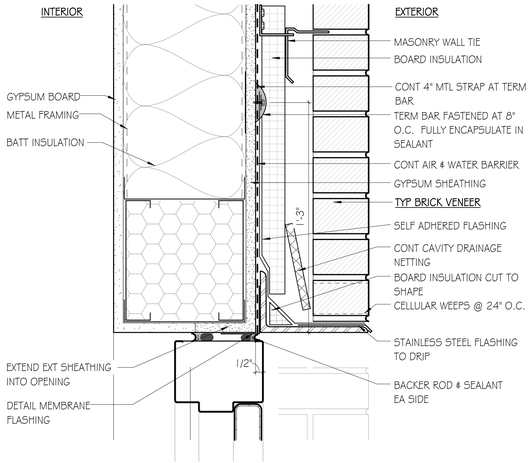
2) MATERIAL AND FINISH:
A. MATERIALS AND FINISHES INDICATED ON THE SCHEDULE ARE AS FOLLOWS:

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

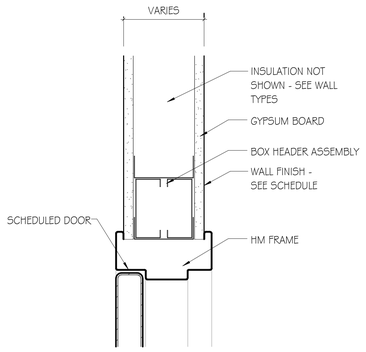
3) GLASS:
A. GLASS TYPES INDICATED ON THE SCHEDULE ARE AS FOLLOWS (SEE SPECIFICATION SECTIONS 088000 'GLAZING' & 134900 'RADIATION PROTECTION'):

MONOLITHIC:

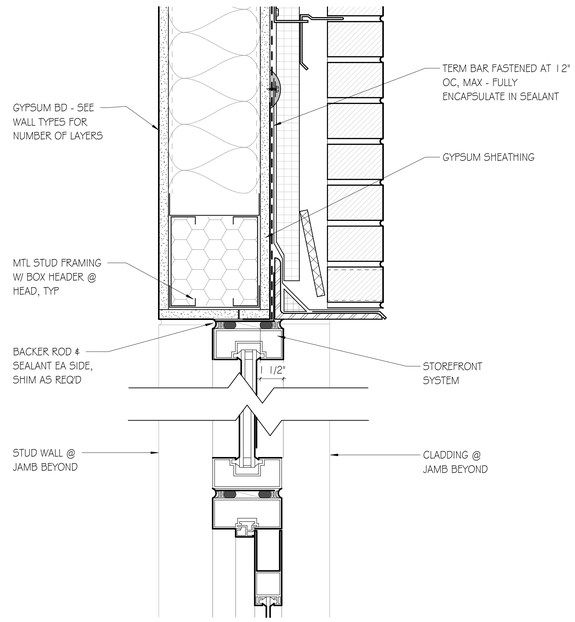
G1	6.0mm CLEAR, TEMPERED
G2	7.5mm CLEAR, LAMINATED, INTERLAYER COLOR: CLEAR



G1 EXT STUD/BRICK DOOR HEAD
SCALE: 3" = 1'-0"



G4 INT HM DOOR HEAD - STUD
SCALE: 3" = 1'-0"



F8 EXT STUD/BRICK SF HEAD
SCALE: 3" = 1'-0"

D1 EXT STUD/BRICK DOOR JAMB
SCALE: 3" = 1'-0"

D4 INT HM DOOR JAMB - STUD
SCALE: 3" = 1'-0"

B1 EXT HM DOOR THRESHOLD
SCALE: 3" = 1'-0"

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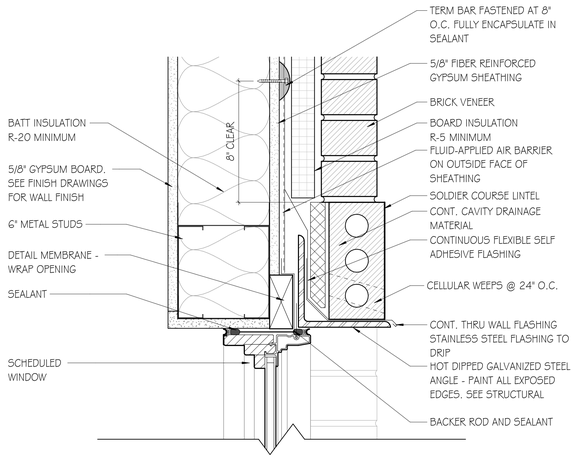
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Dothan, Alabama 36301
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STATE OF ALABAMA
JOINER MOLLY & CLARK, INC.
6544
JACQUELYN D. HART
REGISTERED ARCHITECT

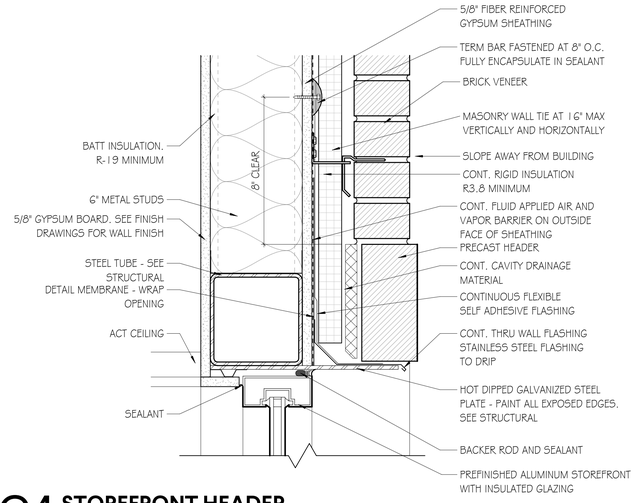
DOOR DETAILS

A6.02
sheet of

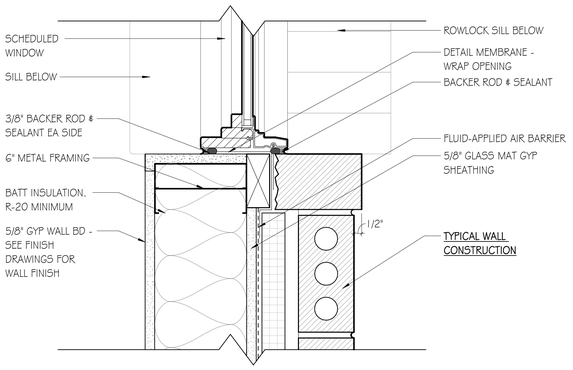
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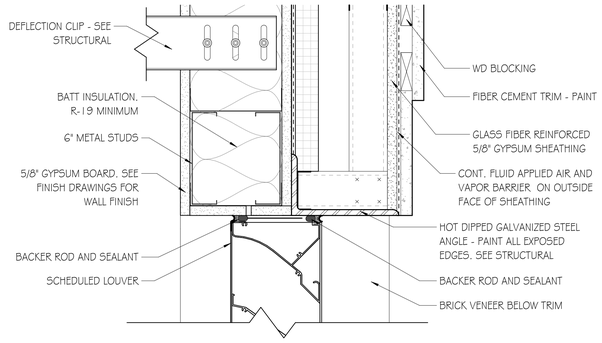
G1 EXT WINDOW HEAD
SCALE: 3" = 1'-0"



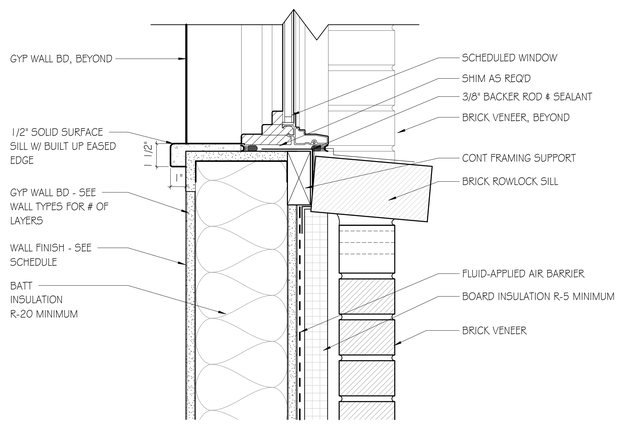
G4 STOREFRONT HEADER
SCALE: 3" = 1'-0"



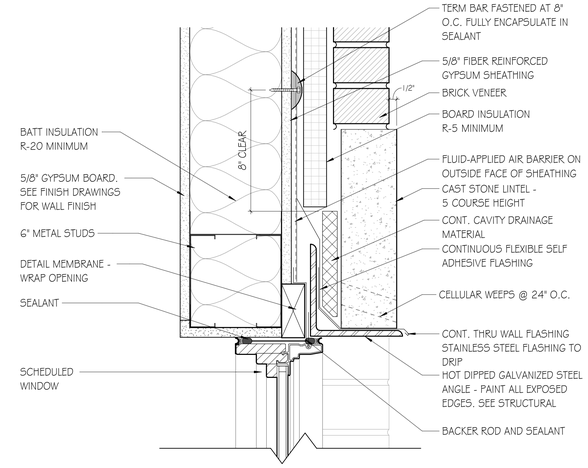
D1 EXT WINDOW JAMB
SCALE: 3" = 1'-0"



D4 LOUVER HEAD @ FIBER CEMENT TRIM
SCALE: 3" = 1'-0"



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



A4 EXT WINDOW HEAD / CAST STONE LINTEL
SCALE: 3" = 1'-0"

GLASS SCHEDULE

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

MONOLITHIC:

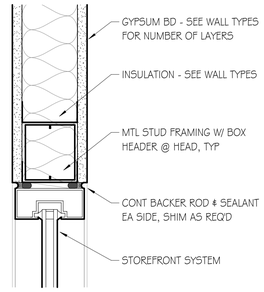
G1	6.0mm	CLEAR, TEMPERED
G2	7.5mm	CLEAR, LAMINATED, INTERLAYER COLOR: CLEAR
G3	7.5mm	CLEAR, LAMINATED, INTERLAYER COLOR: ARCTIC SNOW
G4	8.0mm	CLEAR, FIRE-RATED CERAMIC GLAZING, MATCH RATING OF OPNG.
G5	4.0mm(x2)	ULTRACLEAR, TEMPERED, 2 LITES + INTEGRAL BLINDS
G6	12.5mm	SAFETY, LEAD BORATE GLASS, SEE SPECIFICATIONS
G7	12.5mm	SAFETY, LASER RATED, SEE SPECIFICATIONS

INSULATING:

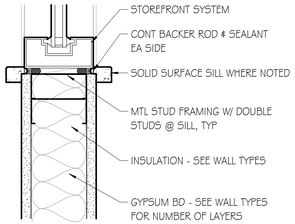
IG1	1 INCH	INSULATING, VISION LITE
IG2	1 INCH	INSULATING, SPANDREL LITE

SPECIALTY GLASS:

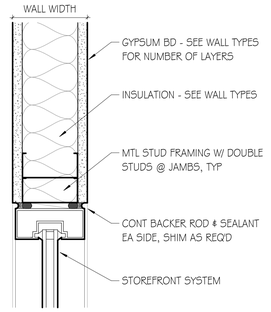
RG1	RF-SHIELDED GLASS AT MRI ROOM TO BE PROVIDED UNDER RF-SHIELDED ENCLOSURE PACKAGE



H8 INT WIN HEAD - STUD
SCALE: 3" = 1'-0"

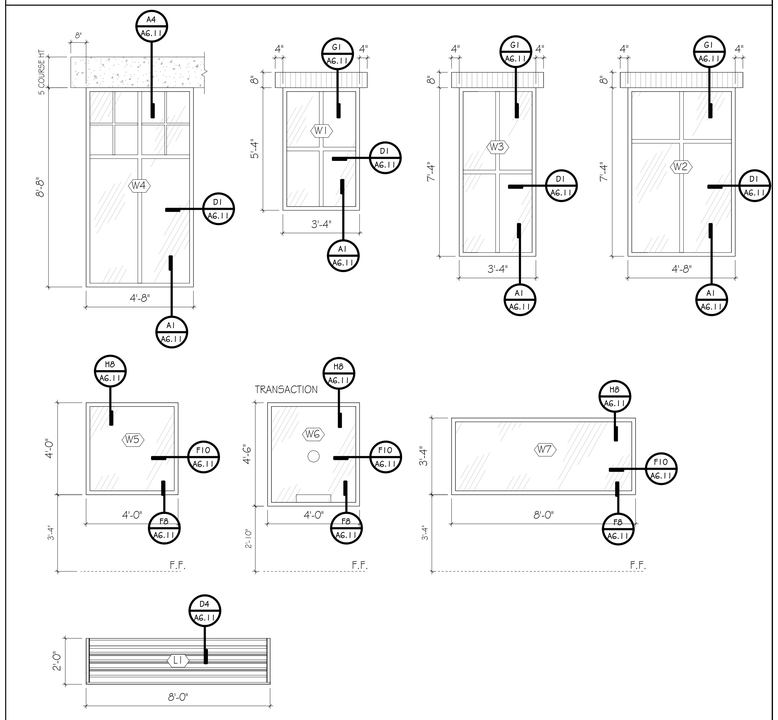


F8 INT WIN SILL - STUD
SCALE: 3" = 1'-0"



F10 INT WIN JAMB - STUD
SCALE: 3" = 1'-0"

WINDOW LEGEND



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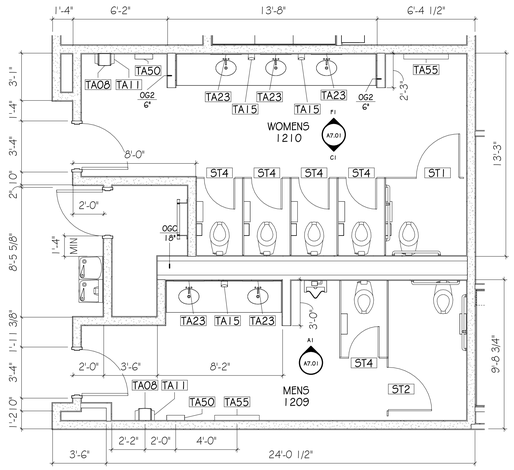
STATE OF ALABAMA — JACQUELYN D. HART — 6544 — REGISTERED ARCHITECT

WINDOW DETAILS

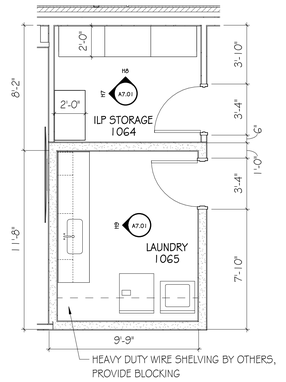
A6.11

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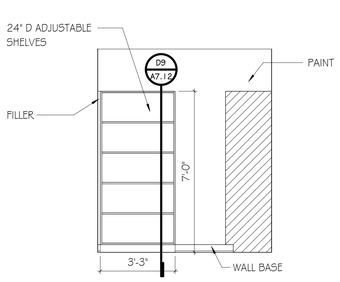
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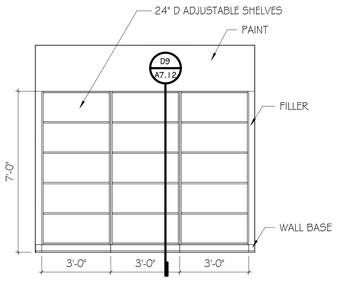
H1 WOMEN 1210 / MEN 1209
SCALE: 1/4" = 1'-0"



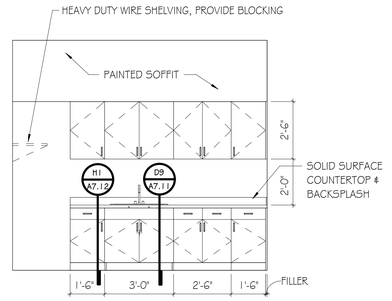
H5 ILP STORAGE 1064 / LAUNDRY 1065
SCALE: 1/4" = 1'-0"



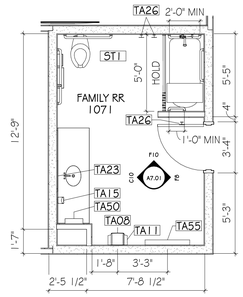
H7 ILP STORAGE 1064 - 1
SCALE: 3/8" = 1'-0"



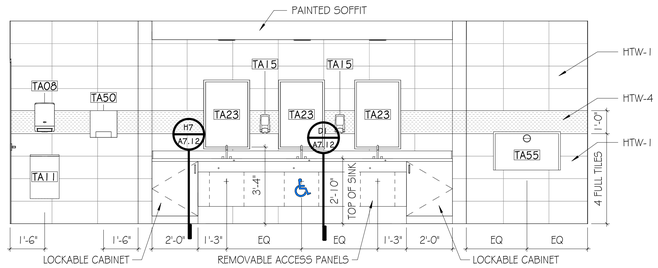
H8 ILP STORAGE 1064 - 2
SCALE: 3/8" = 1'-0"



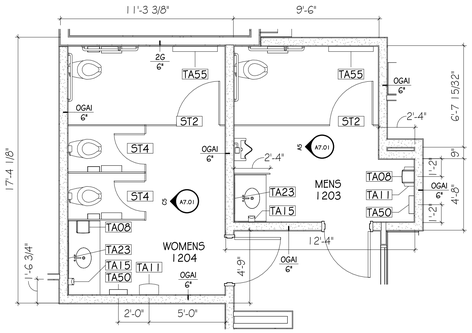
H9 LAUNDRY 1065
SCALE: 3/8" = 1'-0"



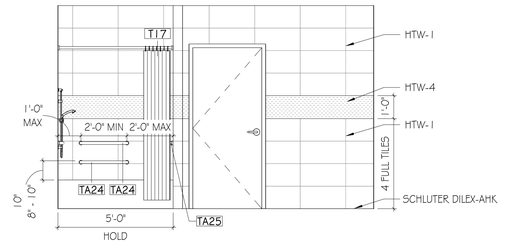
H11 FAMILY RESTROOM 1071
SCALE: 1/4" = 1'-0"



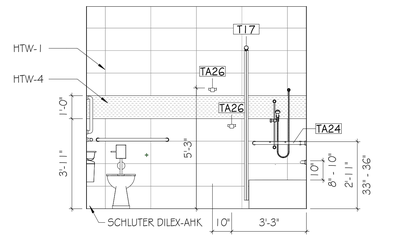
F1 WOMEN 1210 - 1
SCALE: 3/8" = 1'-0"



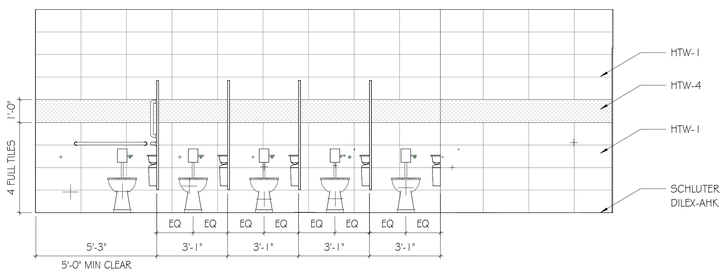
F5 MEN 1203 / WOMEN 1204
SCALE: 1/4" = 1'-0"



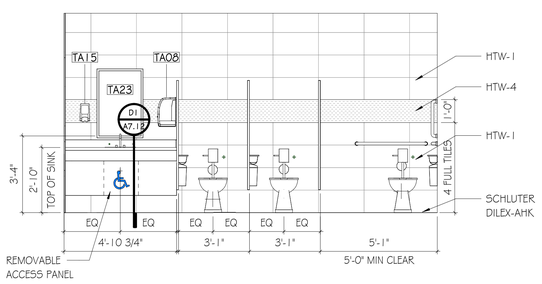
F8 FAMILY RESTROOM 1071 - 1
SCALE: 3/8" = 1'-0"



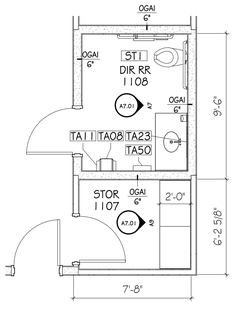
F10 FAMILY RESTROOM 1071 - 2
SCALE: 3/8" = 1'-0"



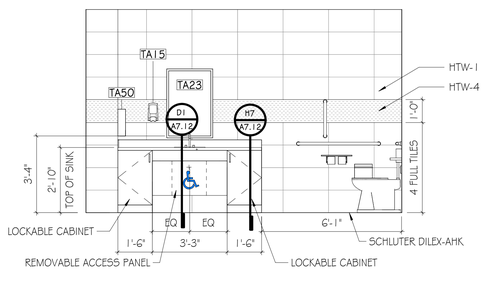
C1 WOMEN 1210 - 2
SCALE: 3/8" = 1'-0"



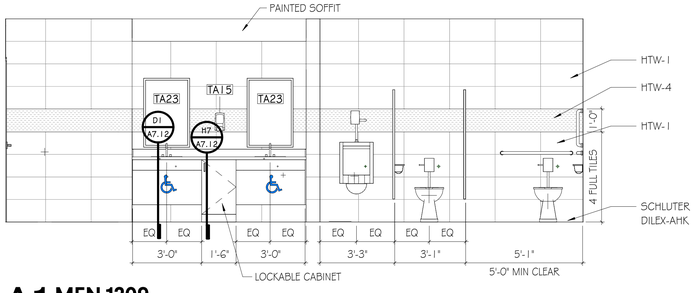
C5 WOMEN 1204
SCALE: 3/8" = 1'-0"



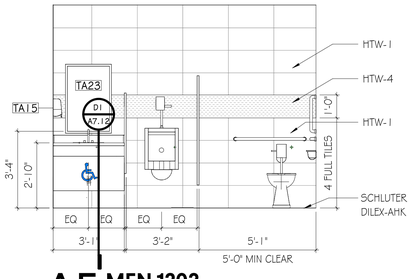
C8 DIRECTORS RR 1108 / STORAGE 1107
SCALE: 1/4" = 1'-0"



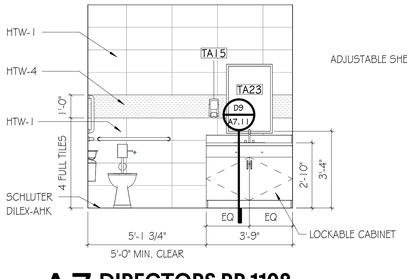
C10 FAMILY RESTROOM 1071 - 3
SCALE: 3/8" = 1'-0"



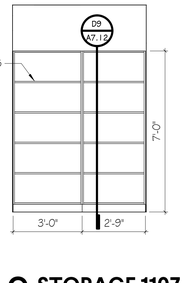
A1 MEN 1209
SCALE: 3/8" = 1'-0"



A5 MEN 1203
SCALE: 3/8" = 1'-0"



A7 DIRECTORS RR 1108
SCALE: 3/8" = 1'-0"



A9 STORAGE 1107
SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES SCHEDULE

ID	DESCRIPTION	OFCI / CFCI
TA01	DOUBLE TOILET TISSUE DISPENSER	CFCI
TA08	PAPER TOWEL DISP	OFCI
TA11	WASTE RECEPTACLE, SURFACE MOUNT, LARGE	CFCI
TA15	SOAP DISPENSER, SURFACE-MOUNT	OFCI
TA20	18" VERTICAL GRAB BAR	CFCI
TA21	36" HORIZONTAL GRAB BAR	CFCI
TA22	42" HORIZONTAL GRAB BAR	CFCI
TA23	FRAMED MIRROR	CFCI
TA24	24" HORIZONTAL GRAB BAR	CFCI
TA25	12" HORIZONTAL GRAB BAR	CFCI
TA26	ROBE HOOK	CFCI
TA29	SANITARY NAPKIN RECEPTACLE	CFCI
TA50	ADA COMPLIANT HAND DRYER	CFCI
TA55	DIAPER CHANGING STATION, SURFACE-MOUNT	CFCI
TA60	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI

GMC
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Birmingham, AL 35233
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Dothan, Alabama 36301
GMC # ABHM250019

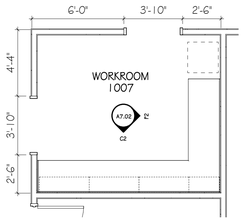
STATE OF ALABAMA — JACQUELYN D. HART — 6544 — REGISTERED ARCHITECT

INTERIOR ELEVATIONS

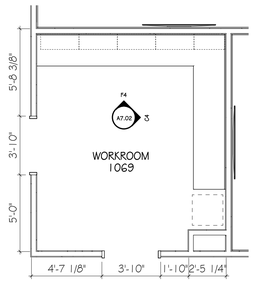
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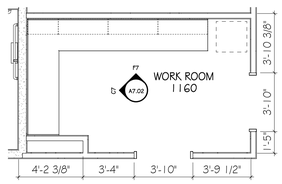
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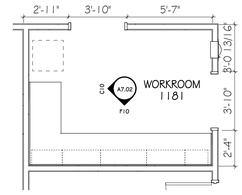
H2 WORKROOM 1007
SCALE: 1/4" = 1'-0"



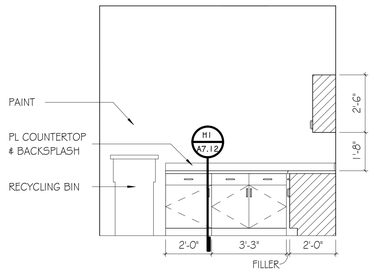
H4 WORKROOM 1069
SCALE: 1/4" = 1'-0"



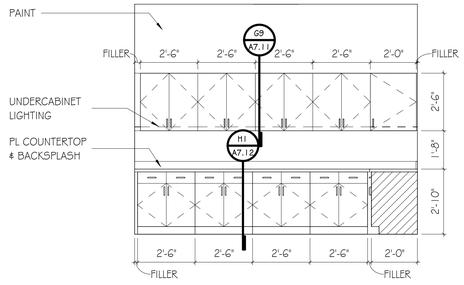
H7 WORKROOM 1160
SCALE: 1/4" = 1'-0"



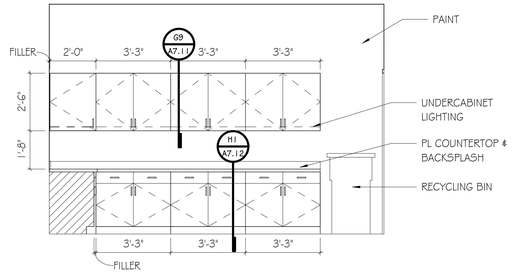
H10 WORKROOM 1181
SCALE: 1/4" = 1'-0"



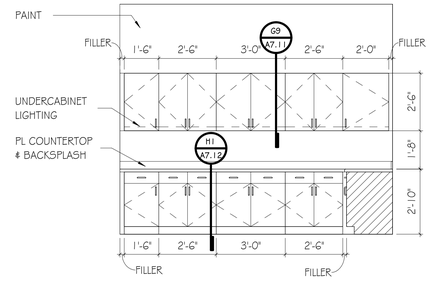
F2 WORKROOM 1007 - 1
SCALE: 3/8" = 1'-0"



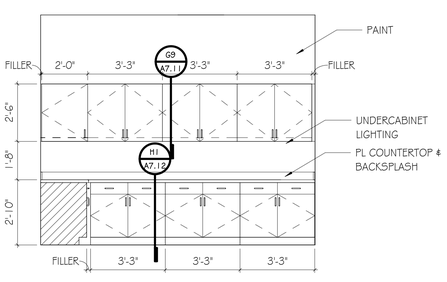
F4 WORKROOM 1069 - 1
SCALE: 3/8" = 1'-0"



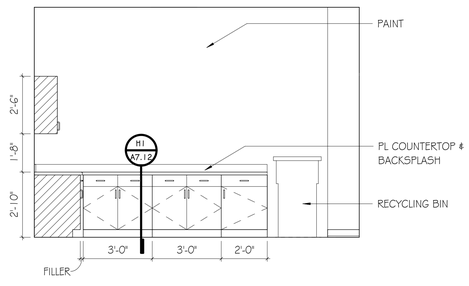
F7 WORKROOM 1160 - 1
SCALE: 3/8" = 1'-0"



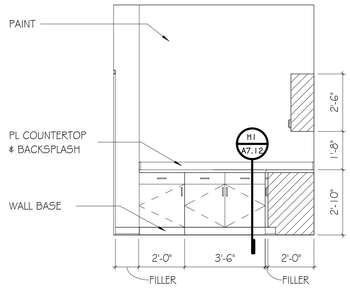
F10 WORKROOM 1181 - 1
SCALE: 3/8" = 1'-0"



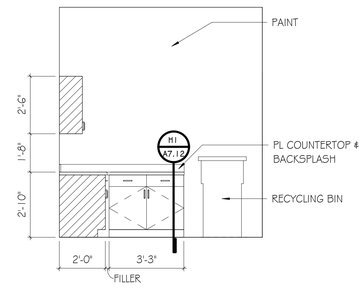
C2 WORKROOM 1007 - 2
SCALE: 3/8" = 1'-0"



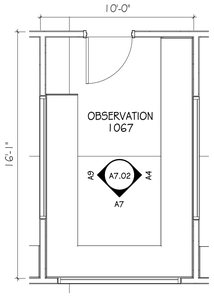
C4 WORKROOM 1069 - 2
SCALE: 3/8" = 1'-0"



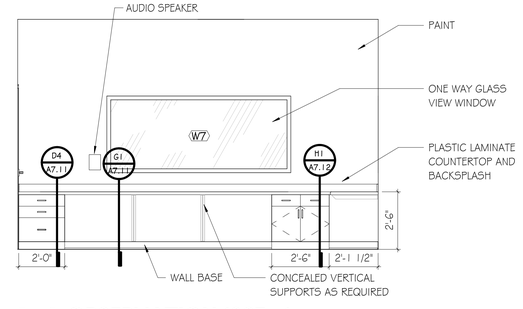
C7 WORKROOM 1160 - 2
SCALE: 3/8" = 1'-0"



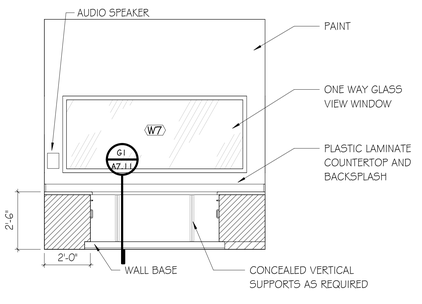
C10 WORKROOM 1181 - 2
SCALE: 3/8" = 1'-0"



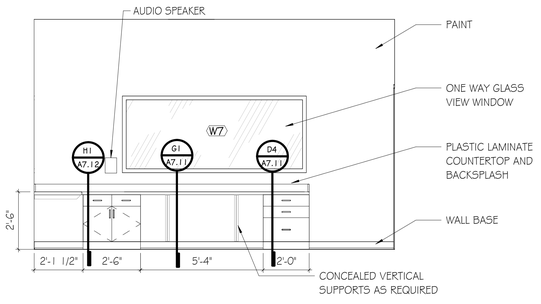
A2 OBSERVATION 1067
SCALE: 1/4" = 1'-0"



A4 OBSERVATION 1067 - 1
SCALE: 3/8" = 1'-0"



A7 OBSERVATION 1067 - 2
SCALE: 3/8" = 1'-0"



A9 OBSERVATION 1067 - 3
SCALE: 3/8" = 1'-0"

GMC
2400 5th Avenue South, Suite 200
Birmingham, AL 35233
T 205.879.4462
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CHECKED BY: JH

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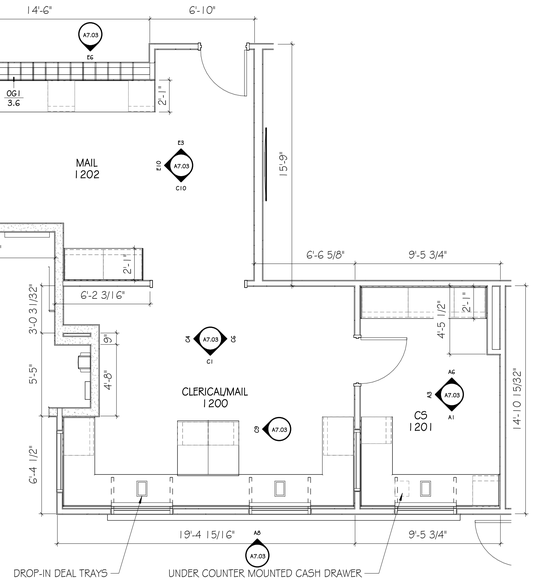
STATE OF ALABAMA
6544
JACQUELYN D. HART
REGISTERED ARCHITECT

INTERIOR ELEVATIONS

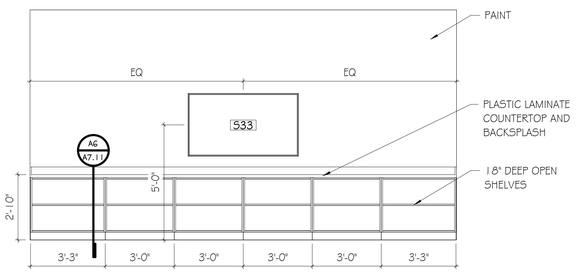
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sheet ___ of ___

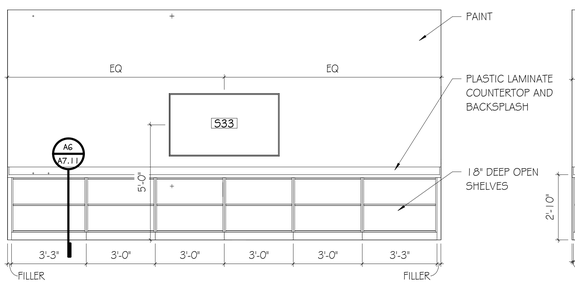
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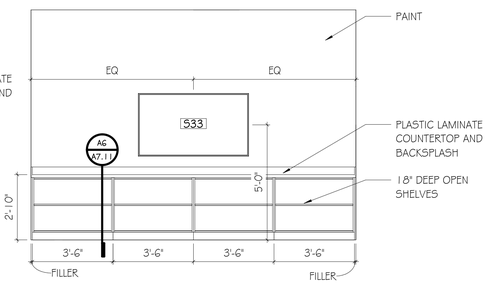
G1 MAIL / CLERICAL / CS
SCALE: 1/4" = 1'-0"



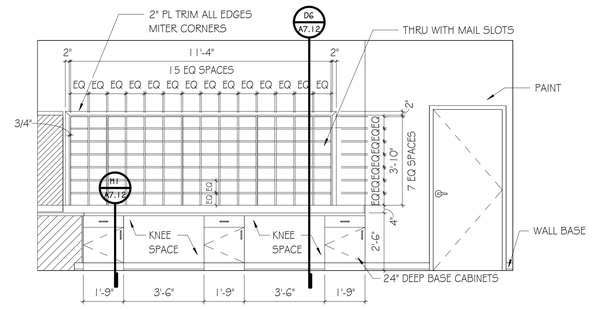
G4 FAMILY VISITIATION 1 1080
SCALE: 3/8" = 1'-0"



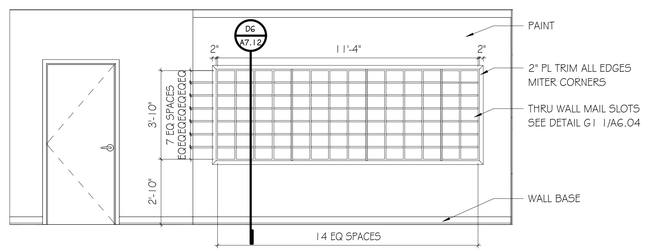
G7 FAMILY VISITATION 2 1083
SCALE: 3/8" = 1'-0"



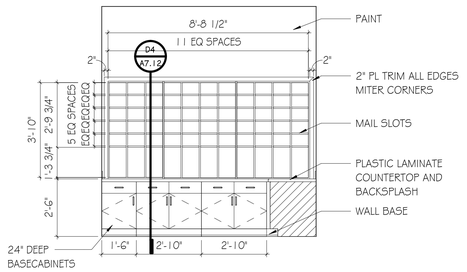
G10 FAMILY VISITATION 3 1085
SCALE: 3/8" = 1'-0"



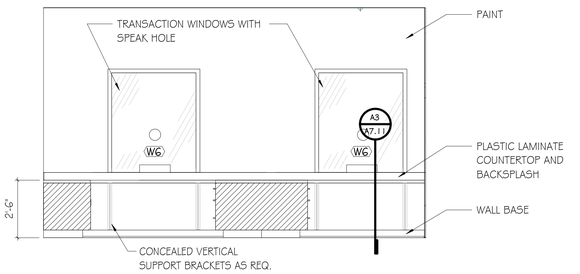
E3 MAIL 1202 - 1
SCALE: 3/8" = 1'-0"



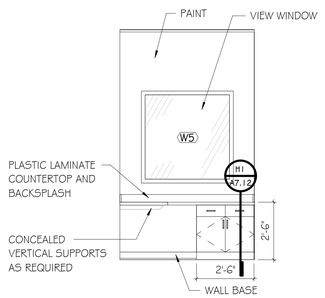
E6 MAIL 1202 - 2
SCALE: 3/8" = 1'-0"



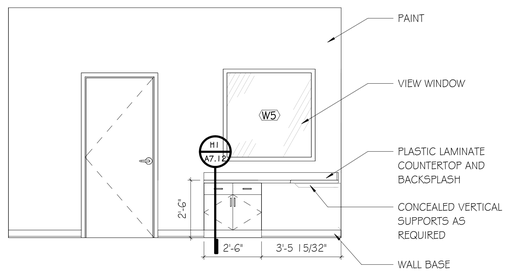
E10 MAIL 1202 - 3
SCALE: 3/8" = 1'-0"



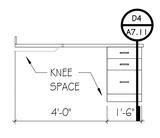
C1 CLERICAL/MAIL 1200 - 1
SCALE: 3/8" = 1'-0"



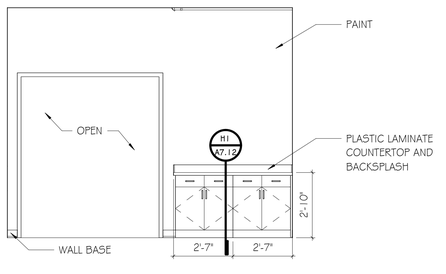
C4 CLERICAL/MAIL 1200 - 2
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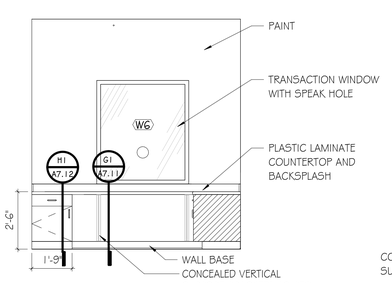
C6 CLERICAL/MAIL - 3
SCALE: 3/8" = 1'-0"



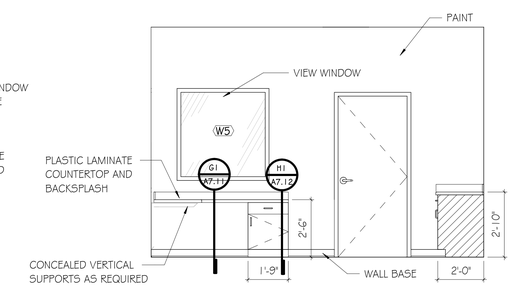
C9 CLERICAL/MAIL - 4
SCALE: 3/8" = 1'-0"



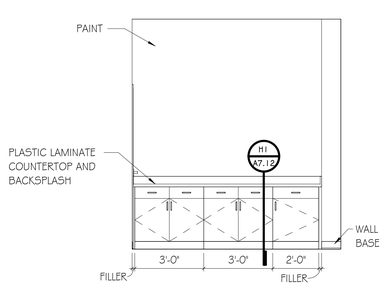
C10 MAIL 1202 - 4
SCALE: 3/8" = 1'-0"



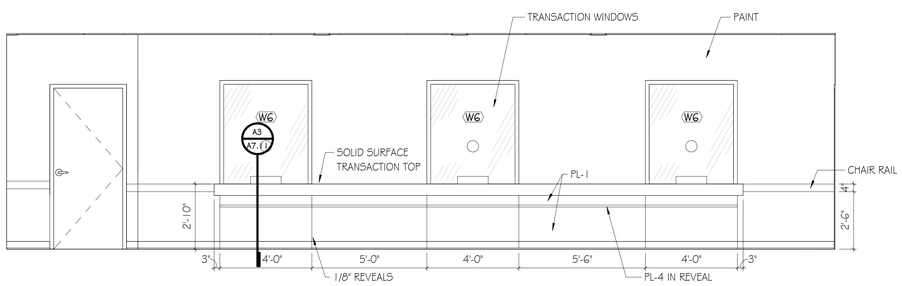
A1 CS 1201 - 1
SCALE: 3/8" = 1'-0"



A3 CS 1201 - 2
SCALE: 3/8" = 1'-0"



A6 CS 1201 - 3
SCALE: 3/8" = 1'-0"



A8 CLERICAL AT LOBBY
SCALE: 3/8" = 1'-0"

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Birmingham, AL 35233
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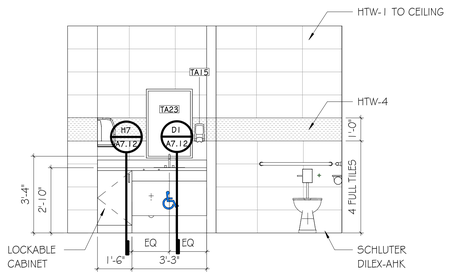
STATE OF ALABAMA 6544 JACQUELYN D. HART REGISTERED ARCHITECT

INTERIOR ELEVATIONS

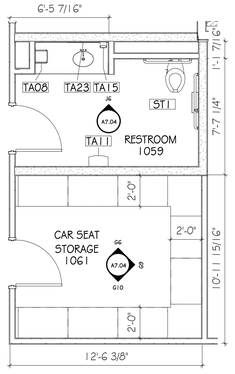
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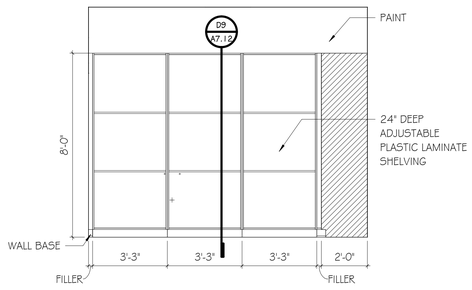
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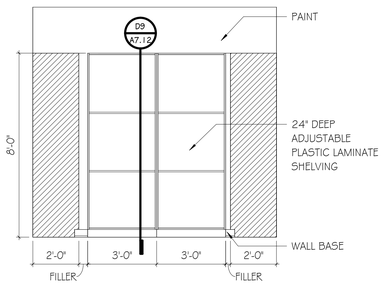
J6 RESTROOM 1059
SCALE: 3/8" = 1'-0"



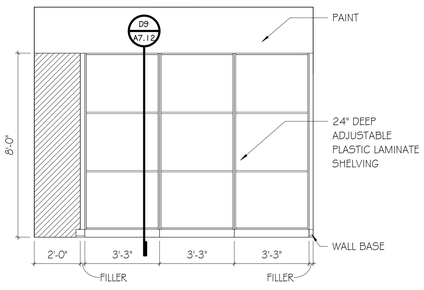
G4 ILP STORAGE / CAR SEAT STORAGE
SCALE: 1/4" = 1'-0"



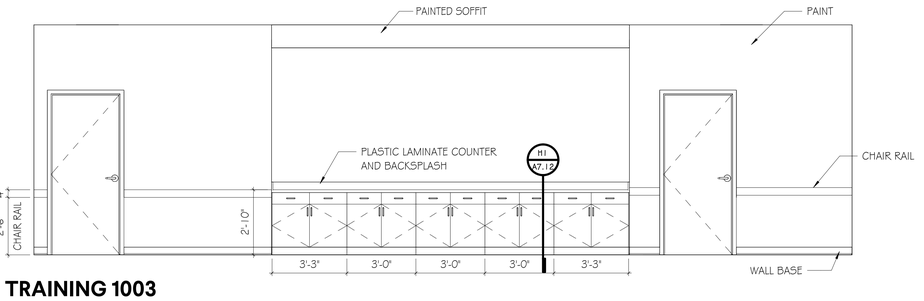
G6 CAR SEAT STORAGE 1079 - 1
SCALE: 3/8" = 1'-0"



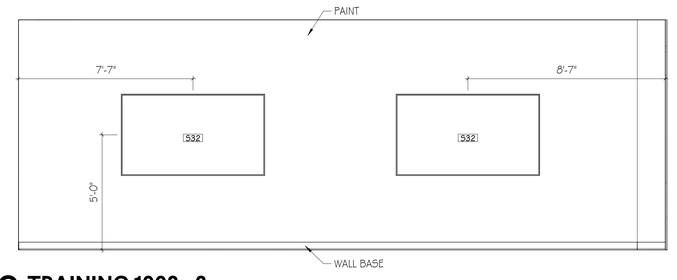
G9 CAR SEAT STORAGE 1079 - 2
SCALE: 3/8" = 1'-0"



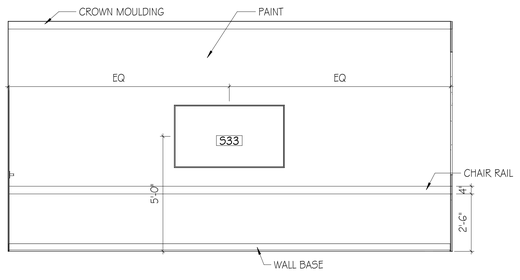
G10 CAR SEAT STORAGE 1079 - 3
SCALE: 3/8" = 1'-0"



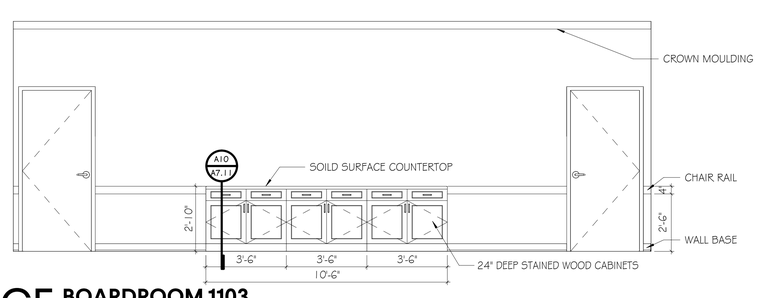
E4 TRAINING 1003
SCALE: 3/8" = 1'-0"



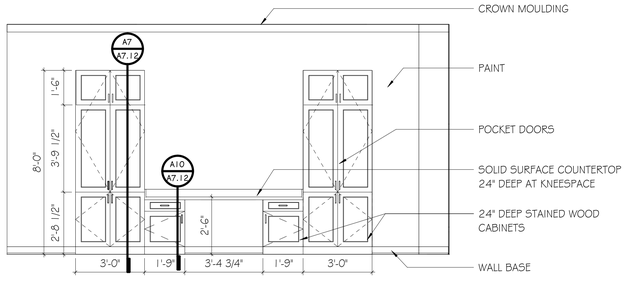
E9 TRAINING 1003 - 2
SCALE: 3/8" = 1'-0"



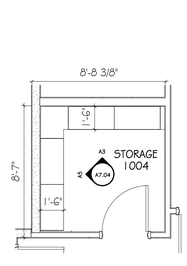
C2 BOARD 1103 - B
SCALE: 3/8" = 1'-0"



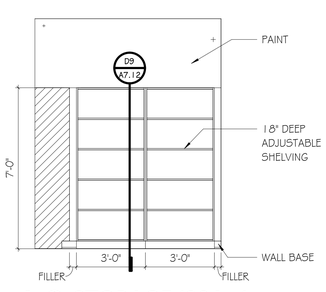
C5 BOARDROOM 1103
SCALE: 3/8" = 1'-0"



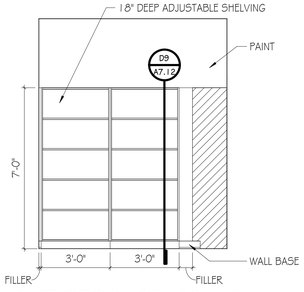
C9 DIRECTORS OFFICE 1106
SCALE: 3/8" = 1'-0"



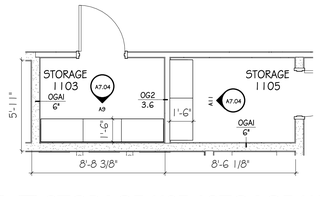
A2 STORAGE 1004
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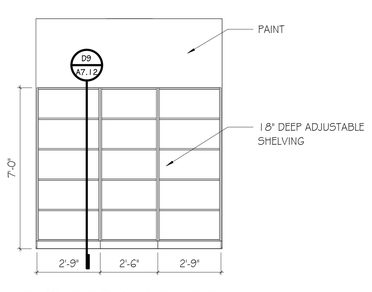
A3 STORAGE 1004 - 1
SCALE: 3/8" = 1'-0"



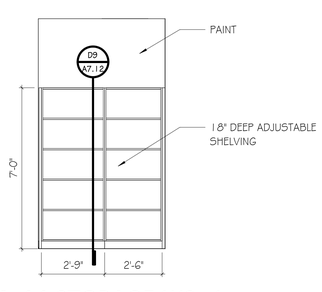
A5 STORAGE 1004 - 2
SCALE: 3/8" = 1'-0"



A7 STORAGE 1105 / STOAGE 1110
SCALE: 1/4" = 1'-0"



A9 STORAGE 1105 - 1
SCALE: 3/8" = 1'-0"



A11 STORAGE 1110 - 1
SCALE: 3/8" = 1'-0"

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CHECKED BY: JH

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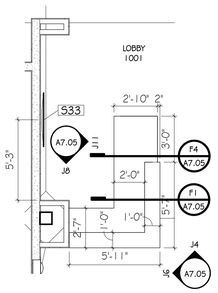
STATE OF ALABAMA
JACQUELYN D. HART
6544
REGISTERED ARCHITECT

INTERIOR ELEVATIONS

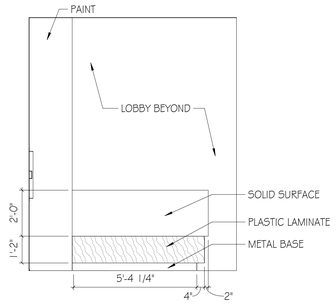
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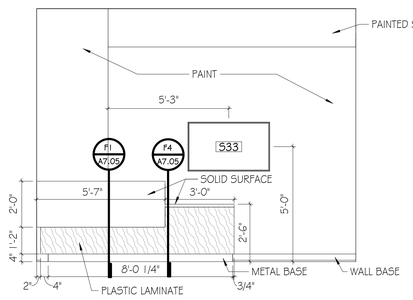
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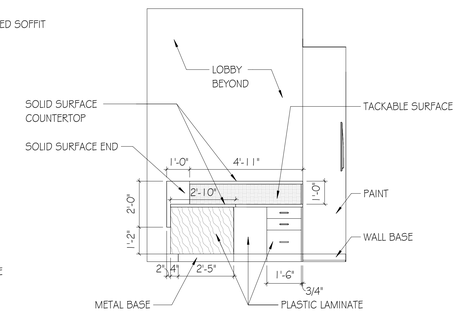
J1 RECEPTION DESK ENLARGED PLAN
SCALE: 1/4" = 1'-0"



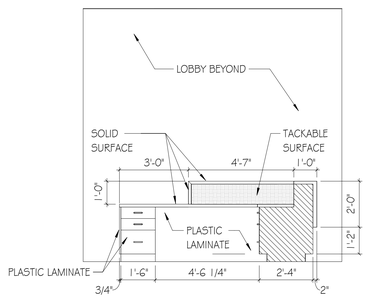
J4 RECEPTION DESK - 1
SCALE: 3/8" = 1'-0"



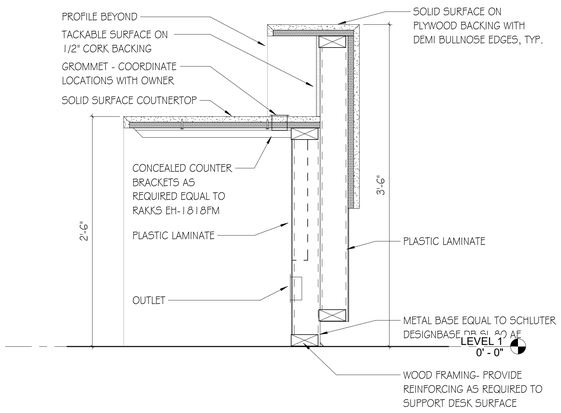
J6 RECEPTION DESK - 2
SCALE: 3/8" = 1'-0"



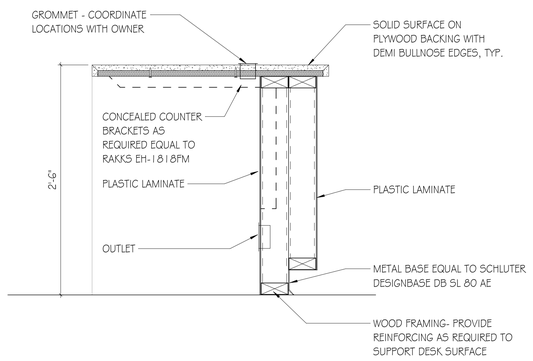
J8 RECEPTION DESK - 3
SCALE: 3/8" = 1'-0"



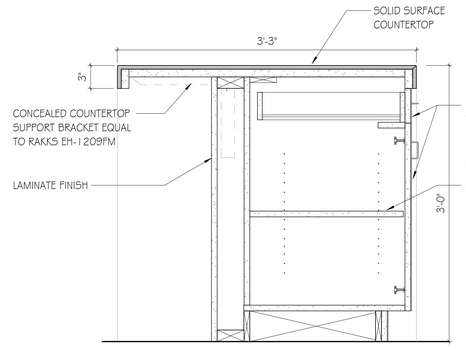
J11 RECEPTION DESK - 4
SCALE: 3/8" = 1'-0"



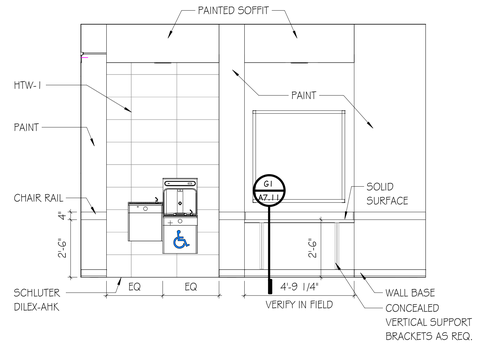
F1 RECEPTION DESK - TRANSACTION
SCALE: 11/2" = 1'-0"



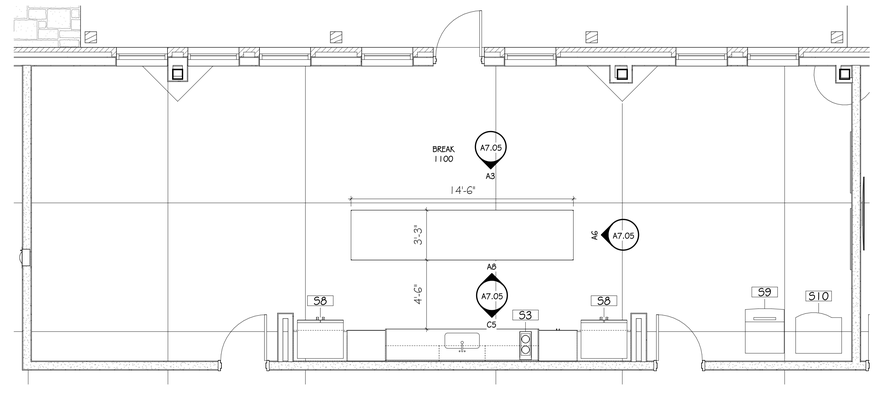
F4 RECEPTION DESK - ADA HEIGHT
SCALE: 11/2" = 1'-0"



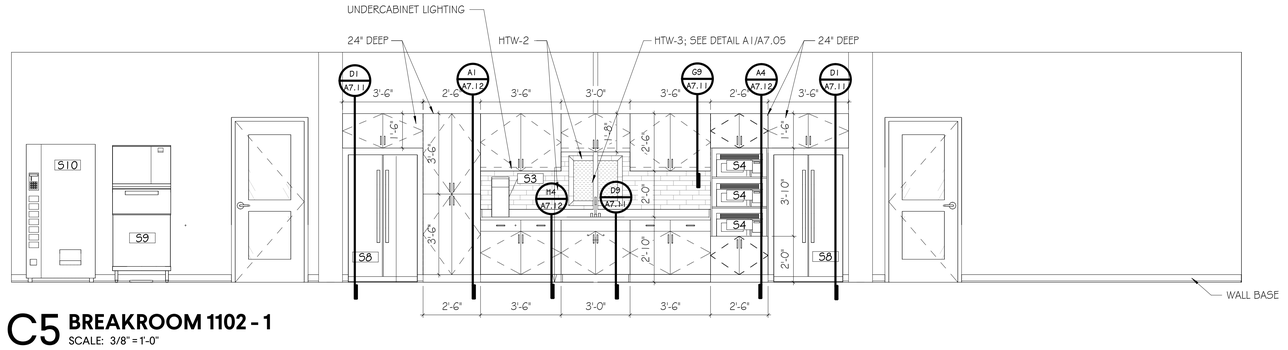
F7 ISLAND SECTION
SCALE: 11/2" = 1'-0"



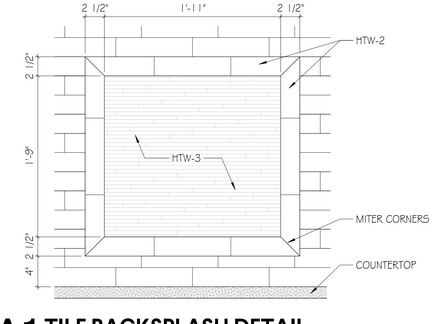
F11 LOBBY
SCALE: 3/8" = 1'-0"



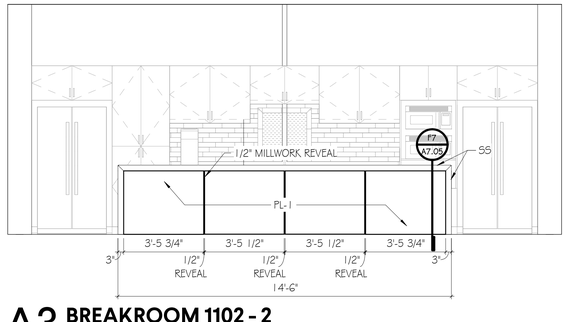
C1 FLOOR PLANS - LEVEL 1 - Callout 1
SCALE: 1/4" = 1'-0"



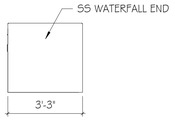
C5 BREAKROOM 1102 - 1
SCALE: 3/8" = 1'-0"



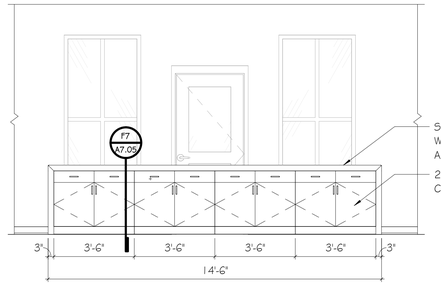
A1 TILE BACKSPLASH DETAIL
SCALE: 11/2" = 1'-0"



A3 BREAKROOM 1102 - 2
SCALE: 3/8" = 1'-0"



A6 BREAKROOM 1102 - 3
SCALE: 3/8" = 1'-0"



A8 BREAKROOM 1102 - 4
SCALE: 3/8" = 1'-0"

SPECIALTY EQUIPMENT SCHEDULE

ID	DESCRIPTION	OFCI / CFCI
S1	RESIDENTIAL WASHER	CFCI
S2	RESIDENTIAL DRYER	CFCI
S3	COFFEE MAKER - BY OWNER	OFCI
S4	MICROWAVE	CFCI
S8	REFRIGERATOR/FREEZER - SIDE BY SIDE	CFCI
S9	ICE MAKER - COORDINATE PLUMBING & ELEC	CFCI
S10	VENDING MACHINE - COORDINATE ELEC	CFCI
S32	TV - WALL MOUNTED - OWNER FURNISHED - GC TO COORDINATE POWER, DATA, WALL BLOCKING	CFCI
S33	TV - WALL MOUNTED - OWNER FURNISHED - GC TO COORDINATE POWER, DATA, WALL BLOCKING	CFCI
S34	MARKER BOARD - 8' W x 4' H	CFCI
S35	GLASS ENCLOSED TACK BOARD - 4' W X 4' H	CFCI
WB-1	WINDOW COVERINGS - MANUAL 2" FAUX WOOD BLIND	CFCI

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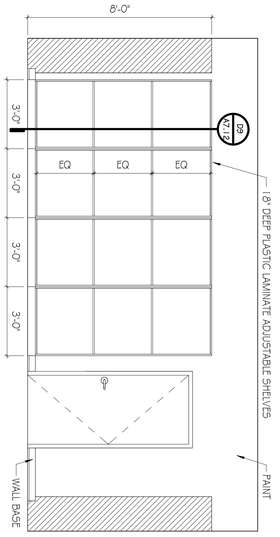
INTERIOR ELEVATIONS

A7.05

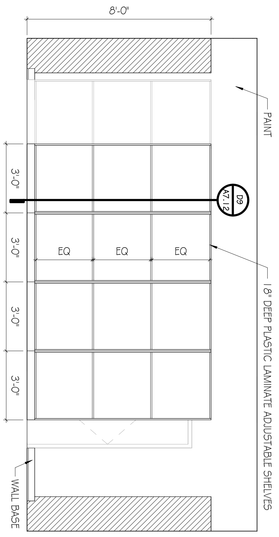
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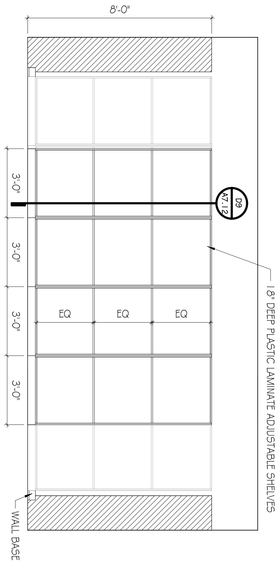
A4 CENTRAL SUPPLY - 4
SCALE: 3/8" = 1'-0"



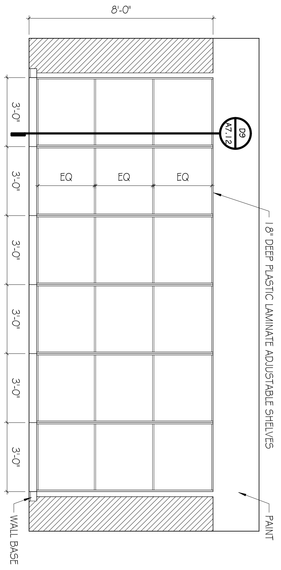
C4 CENTRAL SUPPLY - 1
SCALE: 3/8" = 1'-0"



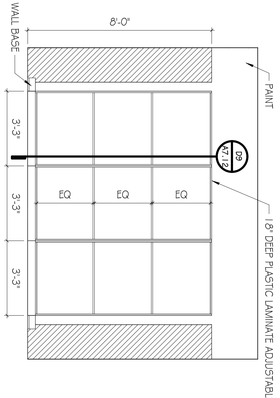
A7 CENTRAL SUPPLY - 5
SCALE: 3/8" = 1'-0"



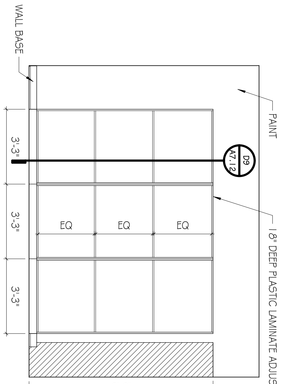
C7 CENTRAL SUPPLY - 2
SCALE: 3/8" = 1'-0"



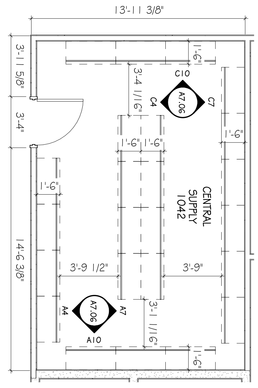
A10 CENTRAL SUPPLY - 6
SCALE: 3/8" = 1'-0"



C10 CENTRAL SUPPLY - 3
SCALE: 3/8" = 1'-0"



F10 CENTRAL SUPPLY 1042
SCALE: 1/4" = 1'-0"



INTERIOR ELEVATIONS

A7.06

sheet of

STATE OF ALABAMA REGISTERED ARCHITECT 6544

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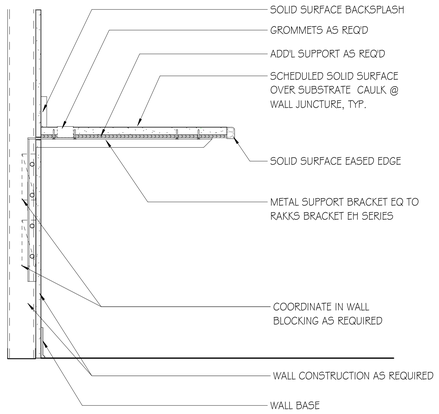
ISSUE	DATE
ISSUE FOR BID	04/27/2026

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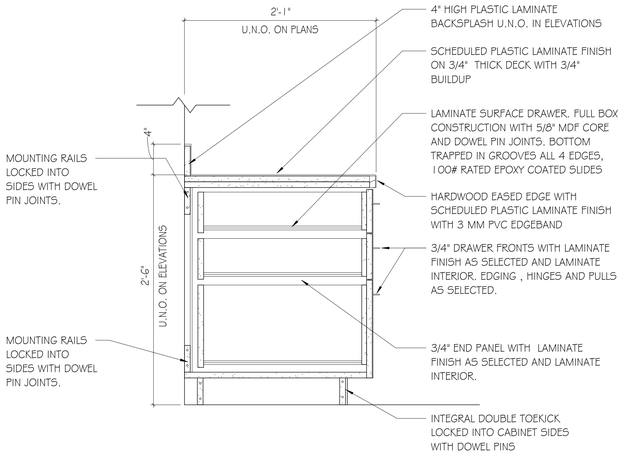
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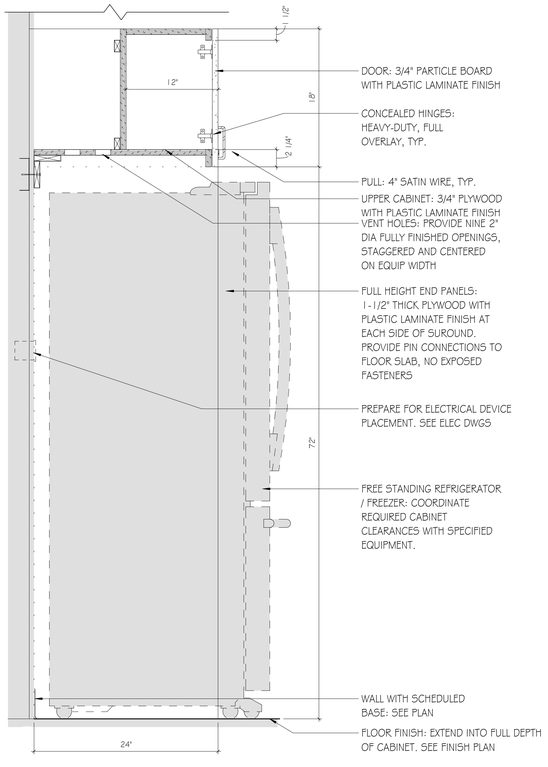
NOTES:
1. COUNTERTOP COMPOSITION TYPICAL FOR ALL SOLID SURFACE COUNTERTOPS IN PROJECT.
2. BRACKETS TO BE CONCEALED IN GYP WALL LOCATIONS AND SURFACE MOUNTED AT CMU WALLS - TYP.



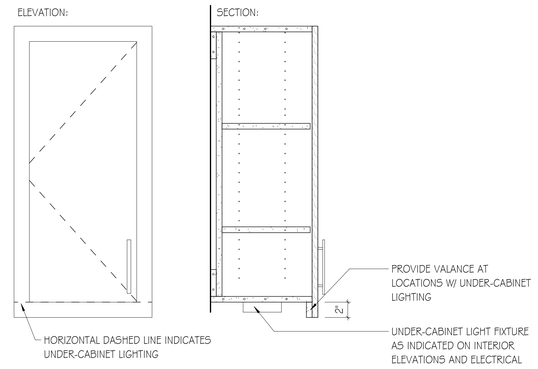
G1 CONCEALED COUNTERTOP
SCALE: 1 1/2" = 1'-0"



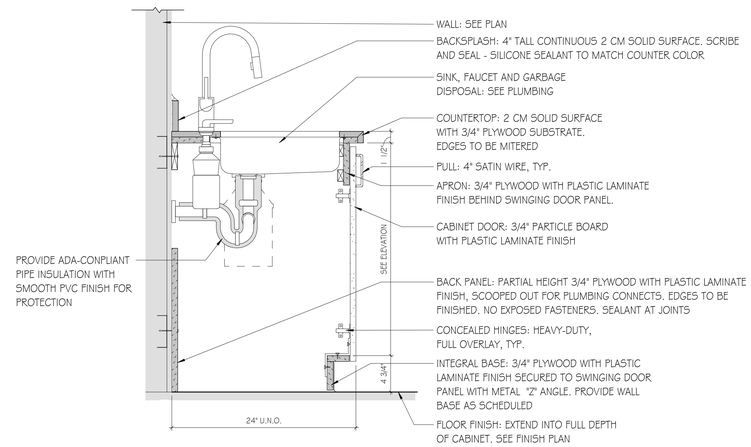
D4 TYP CABINET BASE W / DRAWERS - PL
SCALE: 1 1/2" = 1'-0"



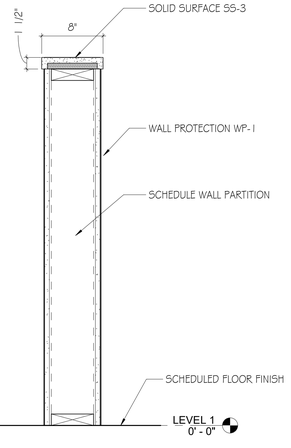
D1 REFRIGERATOR SURROUND - 24" DEEP
SCALE: 1 1/2" = 1'-0"



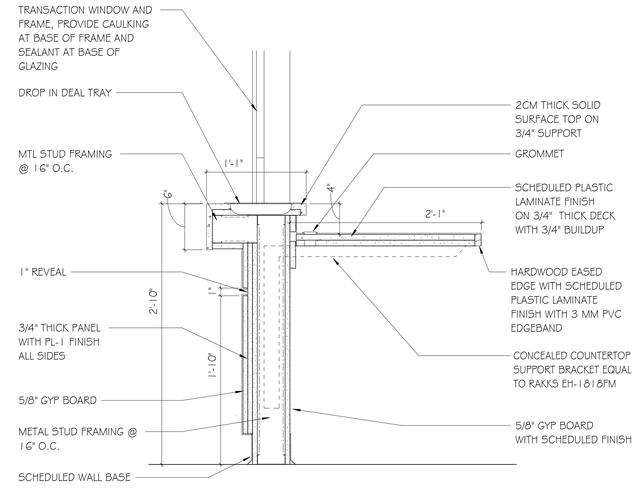
G9 UNDER-CABINET LIGHTING
SCALE: 1 1/2" = 1'-0"



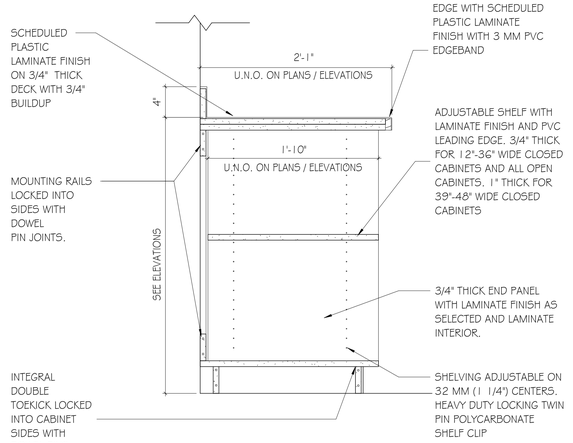
D9 INTEGRAL BASE CABINET
SCALE: 1 1/2" = 1'-0"



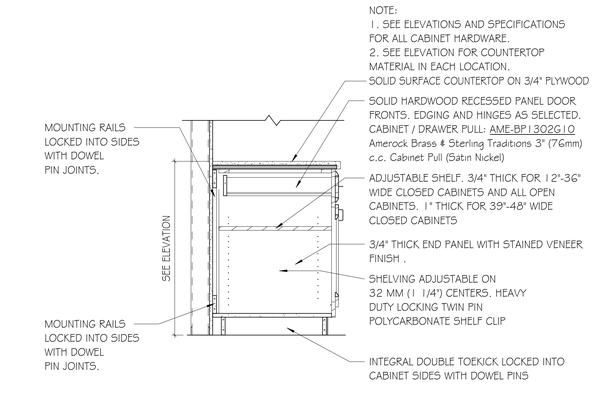
A1 LOBBY WALL SECTION
SCALE: 1 1/2" = 1'-0"



A3 TRANSACTION COUNTER
SCALE: 1 1/2" = 1'-0"



A6 TYP CABINET BASE W/ OPEN SHELVES - PL
SCALE: 1 1/2" = 1'-0"



A10 BOARDROOM CABINET
SCALE: 1" = 1'-0"

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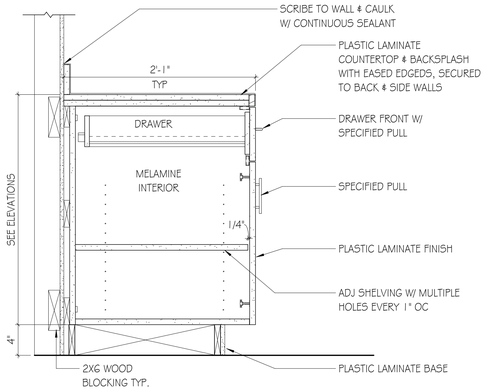
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STATE OF ALABAMA — JOSEPH WELLS & ASSOCIATES — 6544 — JACQUELYN D. HART — REGISTERED ARCHITECT

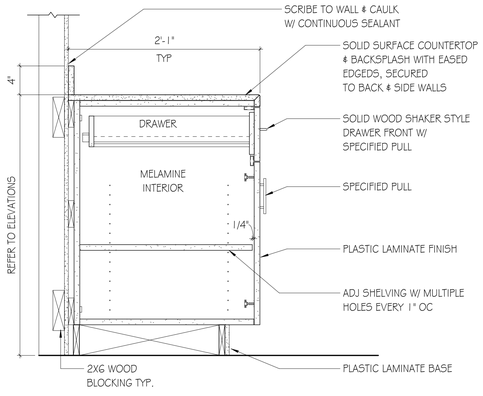
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A7.11
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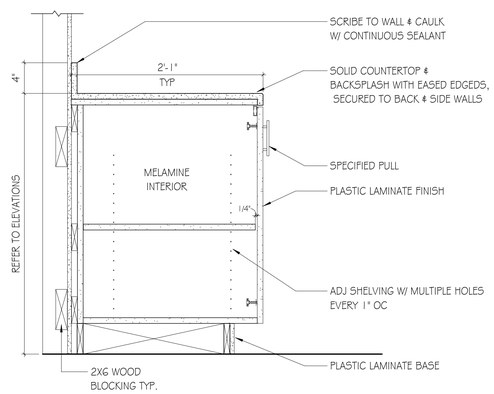
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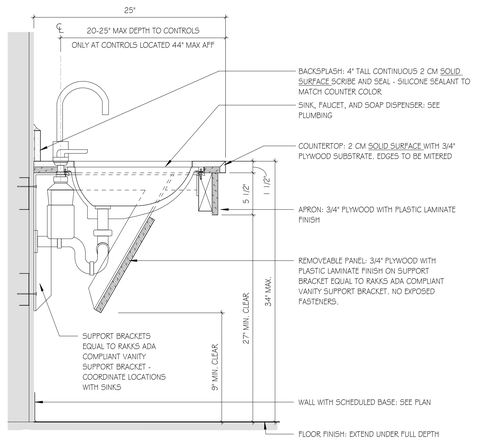
H1 BASE CABINET - DOOR & DRAWER - PL
SCALE: 11/2" = 1'-0"



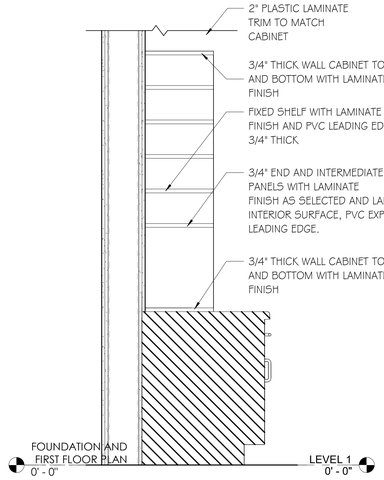
H4 BASE CABINET - DOOR & DRAWER - SS
SCALE: 11/2" = 1'-0"



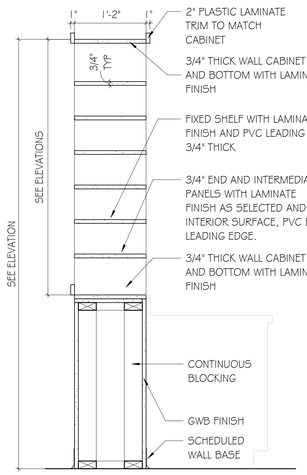
H7 BASE CABINET - DOOR ONLY - SS
SCALE: 11/2" = 1'-0"



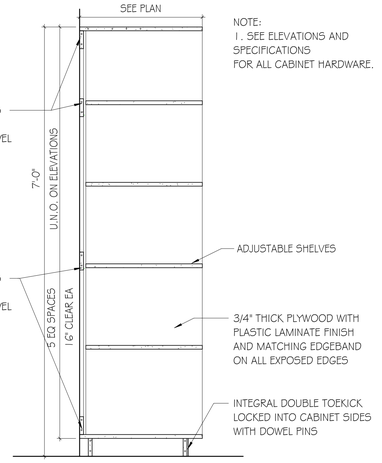
D1 ADA SINKBASE - TYPE VC-U-SSQ-B-25
SCALE: 11/2" = 1'-0"



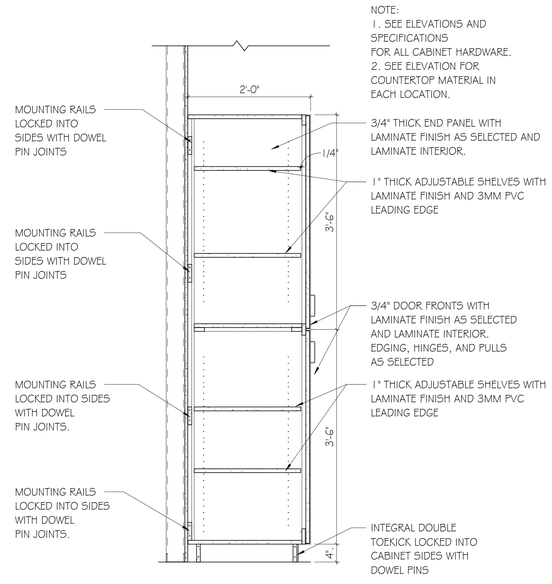
D4 MAIL CAB WITH CAB
SCALE: 1" = 1'-0"



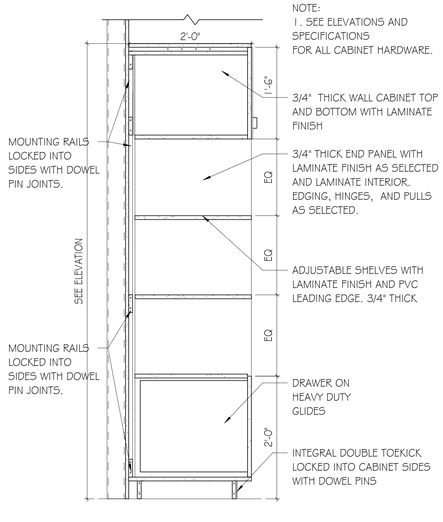
D6 TYP MAIL SLOTS
SCALE: 1" = 1'-0"



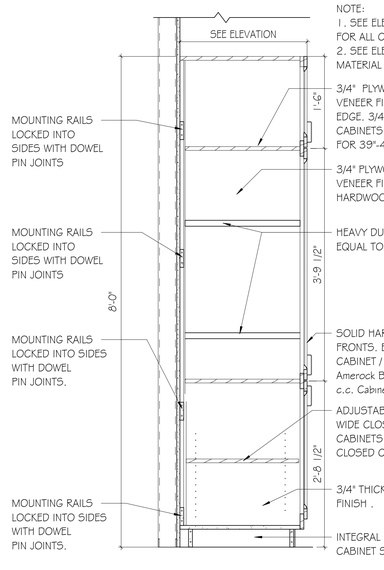
D9 STORAGE SHELVING
SCALE: 1" = 1'-0"



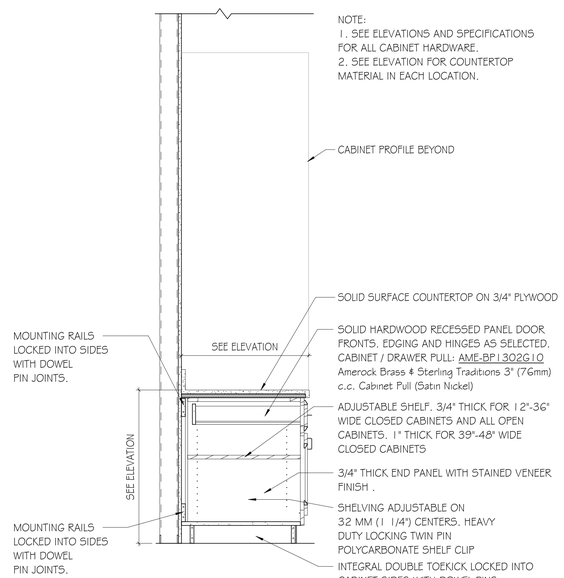
A1 TALL CABINET
SCALE: 1" = 1'-0"



A4 MICROWAVE CABINET
SCALE: 1" = 1'-0"



A7 DIRECTOR CABINET - TALL
SCALE: 1" = 1'-0"



A10 DIRECTOR CABINET
SCALE: 1" = 1'-0"

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

ISSUE	DATE
ISSUE FOR BID	04/27/2026

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CHECKED BY: JH

HOUSTON COUNTY DHR
172 Prevatt Rd
Dothan, Alabama 36301
GMC # ABHM250019

STATE OF ALABAMA
JACQUELYN D. HART
6544
REGISTERED ARCHITECT

MILLWORK DETAILS

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FINISH NOTES

FLOORS:

- REFER TO FLOOR FINISH PLANS FOR FLOOR PATTERN. CONTRACTOR TO 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 IN CA. REFER TO DETAILS FOR TRANSITIONS BETWEEN FLOORING MATERIAL. CONTRACTOR TO PROVIDE TRANSITION SIZES APPROPRIATE FOR THICKNESS

- FLOORING MATERIALS ARE TO BE INSTALLED IN MANNER TO AVOID ALL SLIVER CUTS LESS THAN 4" WIDE @ WALL PERIMETERS & MATERIAL TRANSITIONS. CONTACT DESIGNER IF JOBSITE CONDITIONS DIFFER.

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

- ALIGN VERTICAL GROUT LINES OF TILE BASE TO THOSE IN THE FLOOR TILE UNLESS NOTED OTHERWISE

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, U.N.O.

- WALL TILE TO BE INSTALLED ON ALL WALLS IN RESTROOMS U.N.O.

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

- INSTALL COVE TRANSITION EQUAL TO SCHLUTER DILEX-AHK AT ALL TILE FLOOR TO TILE BASE/WALL CONDITIONS

MILLWORK:

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

- ALL WINDOWS TO HAVE SOLID SURFACE (SS-4) SILL U.N.O.

- GROMMET LOCATIONS TO BE COORDINATED WITH OWNER

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

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

- ALL CABINETS IN RESTROOMS TO BE LOCKABLE

MISC:

- DOOR LABELS ON RATED DOORS ARE TO REMAIN UNPAINTED

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

- PROVIDE BLOCKING FOR GRAB BARS AND TOILET ACCESSORIES IN RESTROOMS

- 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

- BLINDS ARE TAGGED ON THE RCP

- NON ADA TOILET FIXTURES TO BE CENTERED IN STALL

- WALL TILE TO BE INSTALLED TO CEILING ON ALL WALLS

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

- ALL PARTIES RESPONSIBLE FOR DELIVERING FINISHES TO THE SITE SHALL CHECK AVAILABILITY OF QUANTITIES AND DELIVERY DATES AS SOON AS BID IS AWARDED

RCP NOTES:

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

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

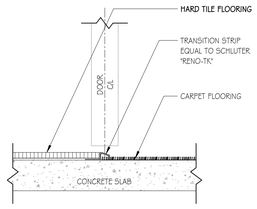
- WHERE EXIT SIGNS ARE LOCATED ABOVE DOORWAYS, CENTER ABOUT DOOR, BUT MAINTAIN MINIMUM OVERHEAD CLEARANCE.

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

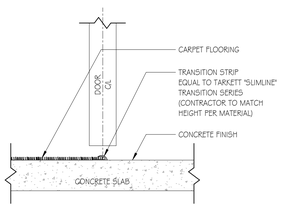
- ALL GYP CEILINGS TO BE PAINTED (PNT-3) UNLESS OTHERWISE NOTED IN RCP

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

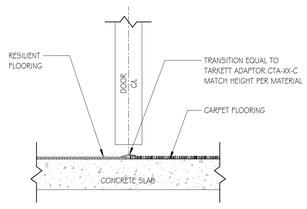
- PROVIDE 6% IN 2' X 4' SIZE FOR EACH TYPE OF CEILING TILE TO REMOVE SLIVER TILES FROM CEILINGS WHERE NECESSARY



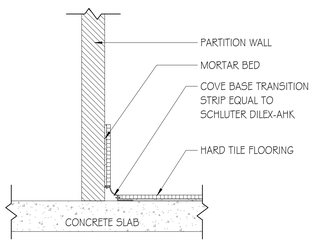
E1 HARD TILE TO CARPET
SCALE: 3" = 1'-0"



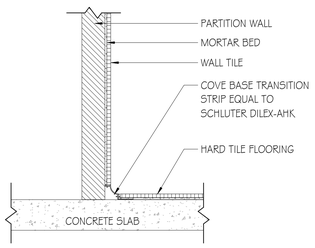
E2 CARPET TO CONCRETE
SCALE: 3" = 1'-0"



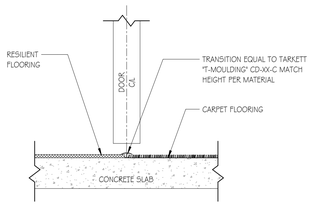
E5 4.5 MM LVT TO CARPET
SCALE: 3" = 1'-0"



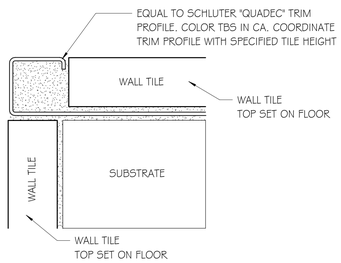
C1 HTF to HTB
SCALE: 3" = 1'-0"



C2 METAL COVE - HTW TO HTF
SCALE: 3" = 1'-0"



C5 5 MM LVT TO CARPET
SCALE: 3" = 1'-0"



A1 SCHLUTER QUADEC TRIM AT EXPOSED HTW CORNERS
SCALE: 12" = 1'-0"

FINISH LEGEND

FLOOR

NUMBER	TYPE	DETAIL DESCRIPTION
CPT-1	CARPET	MANUFACTURER: TARKETT STYLE NAME: FALLOW GROUND - 11598 COLOR: 62902 TOASTED TAUPE SIZE: 24" x 24" INSTALLATION: VERTICAL ASHLAR LOCATION: OFFICES & CORRIDORS
CPT-2	CARPET	MANUFACTURER: EF CONTRACT STYLE NAME: VEIL COLOR: VLT57 - OVERCAST SIZE: 12" x 48" INSTALLATION: ASHLAR LOCATION: CONFERENCE ROOMS
LVT-1	LUXURY VINYL TILE	MANUFACTURER: INTERFACE STYLE NAME: STUDIO SET COLOR: A00706 MUSHROOM SIZE: 25CM x 1M INSTALLATION: 1/3 LAP LOCATION: FAMILY VISITATION
LVT-2	LUXURY VINYL TILE	MANUFACTURER: BENTLEY STYLE NAME: COLONNADE COLOR: BRUTALIST SIZE: 18" x 36" INSTALLATION: 1/3 LAP LOCATION: SEE SCHEDULE
HTF-1	HARD FLOOR TILE	MANUFACTURER: DALTILE STYLE NAME: CONSULATE COLOR: PREMIER GREY SIZE: 12" x 24" INSTALLATION: BRICK GROUT: TBD LOCATION: RESTROOMS
HTF-2	HARD FLOOR TILE	MANUFACTURER: ATLAS CONCORDE STYLE NAME: LEGACY MARBLESTONE COLOR: DOVE SIZE: 12" x 24" INSTALLATION: BRICK GROUT: TBD LOCATION: LOBBY & BREAK ROOM
SC-1	SEALED CONCRETE	CLEAR SEALED ON CLEANED CONCRETE PROVIDED BY CONCRETE SUB-CONTRACTOR TYP.
WOC-1	WALK OFF CARPET TILE	MANUFACTURER: MANNINGTON STYLE: RUFFIAN II COLOR: BROWN BRANCHES SIZE: 24" X 24" LOCATION: VESTIBULE

BASE

NUMBER	TYPE	DETAIL DESCRIPTION
RB-1	RUBBER BASE	MANUFACTURER: TARKETT STYLE NAME: BASEWORKS THERMOSET COLOR: 29 MOON ROCK SIZE: 4" W/ COVE LOCATION: WHERE SCHEDULED
HTB-1	HARD TILE BASE	MANUFACTURER: ATLAS CONCORDE STYLE NAME: PATH COLOR: SILVER PEARL SIZE: 4" H WITH METAL SCHLUTER COVE TRANSITION PIECE GROUT: TBD LOCATION: LOBBY & BREAK ROOM
MB-1	METAL BASE	MANUFACTURER: SCHLUTER STYLE NAME: DESIGNBASE-SL COLOR: SATIN ANODIZED ALUMINUM SIZE: 3 1/8" H LOCATION: RECEPTION DESK

WALL

NUMBER	TYPE	DETAIL DESCRIPTION
PNT-1	[GENERAL/MAIN PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: CRUSHED ICE LOCATION: MAIN
PNT-2	[TRIM PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: PORPOISE LOCATION: TRIM
PNT-3	[MAIN CEILING/SOFFIT PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: PURE WHITE LOCATION: GYP CEILINGS
PNT-4	[PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: AMAZING GRAY LOCATION: CONFERENCE ROOMS
HTW-1	HARD WALL TILE	MANUFACTURER: DALTILE STYLE NAME: PORTFOLIO COLOR: ICE SIZE: 12" x 24" INSTALLATION: MONOLITHIC GROUT: TBD LOCATION: RESTROOMS
HTW-2	HARD WALL TILE	MANUFACTURER: SOUTH CYPRESS STYLE NAME: FIRESIDE COLOR: EMBER SIZE: 2.5" x 10" INSTALLATION: BRICK GROUT: TBD LOCATION: BREAKROOMS
HTW-3	HARD WALL TILE	MANUFACTURER: PORCELANOSA STYLE/COLOR: ELEMENTS PATTERN WIND SIZE: 12" x 12" MOSAIC GROUT: TBD LOCATION: BREAKROOMS
HTW-4	HARD WALL TILE	MANUFACTURER: DALTILE STYLE: MINUTE MOSAIX - NATURAL STONE COLOR: CARRARA WHITE M701 SIZE: RANDOM MOSAIC GROUT: TBD LOCATION: RESTROOM ACCENT
WP-1	WALL PROTECTION	MANUFACTURER: KOROSEAL STYLE: KOROGARD COLOR: RELAXED GRAY (5A) SHEET SIZE: 4' X 8' THICKNESS: 0.040" LOCATION: LOBBY WHERE NOTED ON FINISH PLAN

MISC

NUMBER	TYPE	DETAIL DESCRIPTION
PL-1	PLASTIC LAMINATE [TYP. FACE]	MANUFACTURER: FORMICA COLOR: SMOKEY BROWN PEAR FINISH: OILED WOOD FINISH LOCATION: BREAKROOMS & WORKROOMS
PL-2	PLASTIC LAMINATE [TYP TOP]	MANUFACTURER: WILSONART COLOR: WHITE CYPRESS LOCATION: RESTROOMS
PL-3	PLASTIC LAMINATE [TYP TOP]	MANUFACTURER: WILSONART COLOR: GREY LOCATION: WORKROOMS
SS-1	SOLID SURFACE	MANUFACTURER: WILSONART COLOR: GOLDEN SAIL THICKNESS: 1/2" LOCATION: BREAKROOMS
SS-2	SOLID SURFACE	MANUFACTURER: WILSONART COLOR: YUKON RIVERSTONE THICKNESS: 1/2" LOCATION: RESTROOMS
SS-3	SOLID SURFACE	MANUFACTURER: LX HAUSYS HIMACS SOLID SURFACE COLOR: AURORA GREY M608 THICKNESS: 1/2" LOCATION: RECEPTION DESK
SS-4	SOLID SURFACE	MANUFACTURER: CORIAN COLOR: ASH CONCRETE THICKNESS: 1/2" LOCATION: WINDOW SILLS
TS-1	TACKABLE SURFACE FABRIC	MANUFACTURER: CARNEGIE STYLE NAME: XOREL - METEOR COLOR: 766 INSTALLATION: ON 1/2" CORK LOCATION: RECEPTION DESK
TP-1	TOILET PARTITIONS	MANUFACTURER EQUAL TO: ASI GLOBAL STYLE NAME: BLACK CORE PHENOLIC TOILET PARTITIONS COLOR: SILVER GRAY 3000 LOCATION: RESTROOMS
CG-1	CORNER GUARDS	MANUFACTURER: INPRO STYLE NAME: TAPE ON CORNER GUARD RIGID VINYL COLOR: SHARKSKIN SIZE: FULL HEIGHT LOCATION: LOBBY AND ALL EXPOSED GYP CORNERS IN CORRIDORS
CR-1	CHAIR RAILS	MANUFACTURER: EQUAL TO EF SAN JUAN STYLE NAME: C4047 COLOR: PNT-1 LOCATION: SEE FINISH SCHEDULE
CRN-1	CROWN MOULDING	MANUFACTURER: EQUAL TO EF SAN JAUN STYLE NAME: CR3001 COLOR: PNT-1 LOCATION: SEE FINISH SCHEDULE
BLINDS	WINDOW BLINDS	PRODUCT EQUAL TO FAUX WOOD HORIZONTAL COLLECTION STYLE: 2" BLINDS COLOR: TBD LOCATION: TAGGED AS WB-1 IN RCP
SCHLUTER	SCHLUTER COVE PROFILE	PRODUCT EQUAL TO: SCHLUTER DILEX-AHK LOCATION: ALL HTF TO HTB/HTW CONDITIONS
SCHLUTER	SCHLUTER EDGE PROFILE	PRODUCT EQUAL TO: SCHLUTER JOLLY LOCATION: ALL EXPOSED TILE EDGES & CORNERS

SPECIALTY EQUIPMENT SCHEDULE

ID	DESCRIPTION	OFCI / CFCI
S1	RESIDENTIAL WASHER	CFCI
S2	RESIDENTIAL DRYER	CFCI
S3	COFFEE MAKER - BY OWNER	OFCI
S4	MICROWAVE	CFCI
S8	REFRIGERATOR/FREEZER - SIDE BY SIDE	CFCI
S9	ICE MAKER - COORDINATE PLUMBING & ELEC	CFCI
S10	VENDING MACHINE - COORDINATE ELEC	CFCI
S32	TV - WALL MOUNTED - OWNER FURNISHED - GC TO COORDINATE POWER, DATA, WALL BLOCKING	CFCI
S33	TV - WALL MOUNTED - OWNER FURNISHED - GC TO COORDINATE POWER, DATA, WALL BLOCKING	CFCI
S34	MARKER BOARD - 8' W x 4' H	CFCI
S35	GLASS ENCLOSED TACK BOARD - 4' W X 4' H	CFCI
WB-1	WINDOW COVERINGS - MANUAL 2" FAUX WOOD BLIND	CFCI

TOILET ACCESSORIES SCHEDULE

ID	DESCRIPTION	OFCI / CFCI
TA01	DOUBLE TOILET TISSUE DISPENSER	CFCI
TA08	PAPER TOWEL DISP	OFCI
TA11	WASTE RECEPTACLE, SURFACE MOUNT, LARGE	CFCI
TA15	SOAP DISPENSER, SURFACE-MOUNT	OFCI
TA20	18" VERTICAL GRAB BAR	CFCI
TA21	36" HORIZONTAL GRAB BAR	CFCI
TA22	42" HORIZONTAL GRAB BAR	CFCI
TA23	FRAMED MIRROR	CFCI
TA24	24" HORIZONTAL GRAB BAR	CFCI
TA25	12" HORIZONTAL GRAB BAR	CFCI
TA26	ROBE HOOK	CFCI
TA29	SANITARY NAPKIN RECEPTACLE	CFCI
TA50	ADA COMPLIANT HAND DRYER	CFCI
TA55	DIAPER CHANGING STATION, SURFACE-MOUNT	CFCI
TA60	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI

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Birmingham, AL 35233
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FINISH LEGEND AND DETAILS

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ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALL	CABINET	COUNTERTOP	COMMENTS
1000	VESTIBULE	WOC-1	RB-1	PNT-1	-	-	
1001	LOBBY	HTF-2	HTB-1	PNT-1, WP-1, HTW-1	PL-1	SS-3	CHAIR RAIL ALL WALLS, CORNER GUARDS ALL EXPOSED GYP CORNERS
1002	CORRIDOR	CPT-1	RB-1	PNT-1	-	-	CORNER GUARDS ALL EXPOSED GYP CORNERS
1003	TRAINING	CPT-2	RB-1	PNT-4	PL-1	PL-3	CHAIR RAIL ALL WALLS
1004	STORAGE	LVT-2	RB-1	PNT-1	PL-1		
1005	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1006	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1007	WORKROOM	LVT-2	RB-1	PNT-1	PL-1	PL-3	
1008	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1009	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1010	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1011	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1012	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1013	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1014	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1015	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1016	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1017	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1018	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1019	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1020	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1021	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1022	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1023	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1024	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1025	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1026	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1027	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1028	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1029	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1030	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1031	OFFICE	CPT-1	RB-1	PNT-1	-	-	
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1036	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1037	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1038	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1039	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1040	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1041	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1042	CENTRAL SUPPLY	LVT-2	RB-1	PNT-1	PL-1	-	
1043	FIRE RISER	SC-1	RB-1	PNT-1	-	-	
1044	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1045	OFFICE						
1046	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1047	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1048	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1049	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1050	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1051	OFFICE						
1052	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1053	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1055	OFFICE						
1056	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1057	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1058	OFFICE						
1059	RESTROOM	LVT-2	RB-1	PNT-1	PL-1	-	
1060	IDF	SC-1	RB-1	PNT-1	-	-	
1061	CAR SEAT STORAGE	LVT-2	RB-1	PNT-1	PL-1	-	
1062	EL	SC-1	RB-1	PNT-1	-	-	
1063	MEETING	CPT-2	RB-1	PNT-4	-	-	CHAIR RAIL ALL WALLS
1064	ILP STORAGE	HTF-1	SCHLUTER COVE	HTW-1, HTW-4 ACCENT	PL-2	SS-2	TILE & ACCENT STRIP ALL WALLS
1065	LAUNDRY	HTF-1	HTB-1	PNT-1	PL-2	SS-2	
1066	FAMILY VISITATION 1	LVT-1	RB-1	PNT-1	PL-1	PL-3	
1067	OBSERVATION	CPT-1	RB-1	PNT-1	PL-1	PL-3	
1068	FAMILY VISITATION 2	LVT-1	RB-1	PNT-1	PL-1	PL-3	
1069	WORKROOM	LVT-2	RB-1	PNT-1	PL-1	PL-3	
1070	FAMILY VISITATION 3	LVT-1	RB-1	PNT-1	PL-1	PL-3	
1071	FAMILY RR	HTF-1	SCHLUTER COVE	HTW-1, HTW-4 ACCENT	PL-2	SS-2	TILE & ACCENT STRIP ALL WALLS
1072	MECHANICAL	SC-1	RB-1	PNT-1	-	-	
1073	ELEC	SC-1	RB-1	PNT-1	-	-	
1074	JAN	SC-1	RB-1	PNT-1	-	-	
1100	BREAK	HTF-2	HTB-1	PNT-1, HTW-2 & HTW-3 BACKSPLASH	PL-1	SS-1	
1101	BOARD	CPT-2	RB-1	PNT-4	PL-1	SS-3	CHAIR RAIL & CROWN MOULDING ALL WALLS
1102	ELEC	SC-1	RB-1	PNT-1	-	-	
1103	STORAGE	LVT-2	RB-1	PNT-1	PL-1	-	
1104	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1105	STORAGE	LVT-2	RB-1	PNT-1	PL-1	-	
1106	DIRECTOR'S OFFICE	CPT-1	RB-1	PNT-1	PL-1	SS-3	CHAIR RAIL & CROWN MOULDING ALL WALLS
1107	STOR	CPT-1	RB-1	PNT-1	PL-1		
1108	DIR RR	HTF-1	SCHLUTER COVE	HTW-1, HTW-4 ACCENT	PL-2	SS-2	TILE & ACCENT STRIP ALL WALLS
1111	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1112	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1113	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1114	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1115	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1116	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1118	OFFICE						
1119	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1119B	STORAGE	CPT-1	RB-1	PNT-1	-	-	
1120	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1121	OFFICE						
1122	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1123	OFFICE						
1124	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1125	OFFICE	CPT-1	RB-1	PNT-1	-	-	

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALL	CABINET	COUNTERTOP	COMMENTS
1126	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1127	OFFICE						
1128	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1129	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1130	OFFICE						
1131	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1132	IDF	LVT-2	RB-1	PNT-1	-	-	
1151	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1152	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1153	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1154	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1155	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1156	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1157	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1158	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1159	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1160	WORK ROOM	LVT-2	RB-1	PNT-1	PL-1	PL-3	
1161	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1162	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1163	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1164	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1165	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1166	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1167	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1168	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1169	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1170	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1171	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1172	OFFICE SUPR						
1173	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1174	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1175	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1176	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1177	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1178	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1179	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1180	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1181	WORKROOM	LVT-2	RB-1	PNT-1	PL-1	PL-3	
1182	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1183	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1184	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1185	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1186	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1187	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1188	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1189	MEETING	CPT-2	RB-1	PNT-4	-	-	CHAIR RAIL ALL WALLS
1190	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1191	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1192	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1194	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1195	OFFICE SUPR	CPT-1	RB-1	PNT-1	-	-	
1196	OFFICE	CPT-1	RB-1	PNT-1	-	-	
1197	ISP MTG	CPT-2	RB-1	PNT-4	-	-	CHAIR RAIL ALL WALLS
1200	CLERICAL/MAIL	LVT-2	RB-1	PNT-1	PL-1	PL-3	
1201	CS	LVT-2	RB-1	PNT-1	PL-1	PL-3	
1202	MAIL	LVT-2	RB-1	PNT-1	PL-1	PL-3	
1203	MENS	HTF-1	SCHLUTER COVE	HTW-1, HTW-4 ACCENT	PL-2	SS-2	TILE & ACCENT STRIP ALL WALLS
1204	WOMENS	HTF-1	SCHLUTER COVE	HTW-1, HTW-4 ACCENT	PL-2	SS-2	TILE & ACCENT STRIP ALL WALLS
1205	SERVER	SC-1	RB-1	PNT-1	-	-	
1206	CENTRAL FILE ROOM	LVT-2	RB-1	PNT-1	PL-1	PL-3	
1207	CH FILE	LVT-2	RB-1	PNT-1	-	-	
1208	CS / CAN FILE	LVT-2	RB-1	PNT-1	-	-	
1209	MENS	HTF-1	SCHLUTER COVE	HTW-1, HTW-4 ACCENT	PL-2	SS-2	TILE & ACCENT STRIP ALL WALLS
1210	WOMENS	HTF-1	SCHLUTER COVE	HTW-1, HTW-4 ACCENT	PL-2	SS-2	TILE & ACCENT STRIP ALL WALLS
1211	STOR	LVT-2	RB-1	PNT-1	-	-	
1500	PLAYGROUND						
1501	CORRIDOR						

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FINISH SCHEDULE

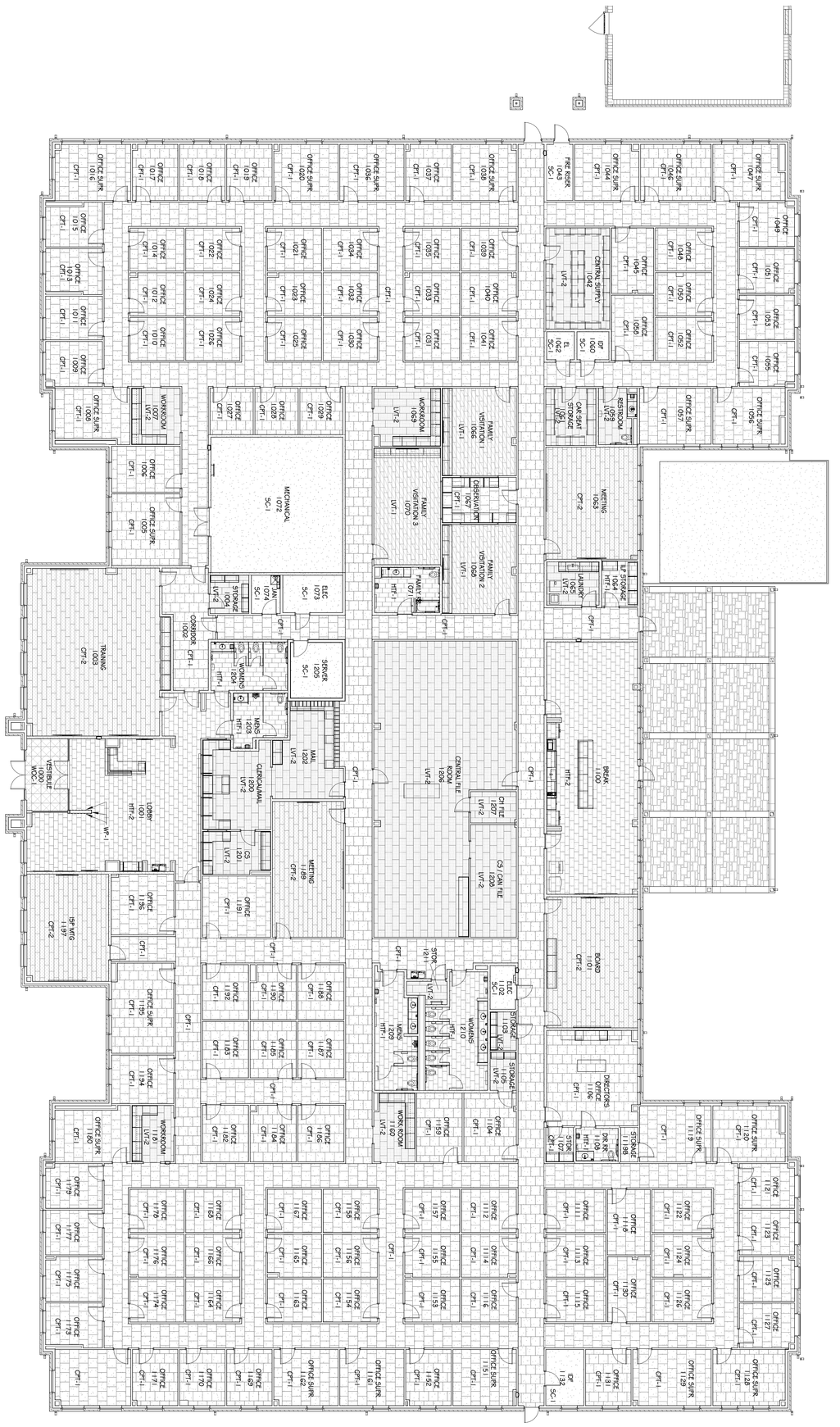
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A4 FINISH PLAN

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


OFFICE SUPR. 1047 CFT-1
OFFICE 1049 CFT-1
OFFICE 1051 CFT-1
OFFICE 1053 CFT-1
OFFICE 1055 CFT-1
OFFICE SUPR. 1056 CFT-1
OFFICE SUPR. 1057 CFT-1
OFFICE 1058 CFT-1
OFFICE 1052 CFT-1
OFFICE 1050 CFT-1
OFFICE 1046 CFT-1
OFFICE SUPR. 1046 CFT-1
OFFICE 1045 CFT-1
OFFICE SUPR. 1044 CFT-1
FIRE RISER 1043 SC-1
CENTRAL SUPPLY 1042 LVT-2
EL 1062 SC-1
IDF 1060 SC-1
RESTROOM 1059 LVT-2
CAR SEAT STORAGE 1058 LVT-2
OFFICE SUPR. 1040 CFT-1
OFFICE 1039 CFT-1
OFFICE SUPR. 1038 CFT-1
OFFICE 1037 CFT-1
OFFICE SUPR. 1036 CFT-1
OFFICE SUPR. 1020 CFT-1
OFFICE 1019 CFT-1
OFFICE 1018 CFT-1
OFFICE 1017 CFT-1
OFFICE SUPR. 1016 CFT-1
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OFFICE 1009 CFT-1
OFFICE SUPR. 1008 CFT-1
OFFICE 1014 CFT-1
OFFICE 1012 CFT-1
OFFICE 1010 CFT-1
OFFICE 1022 CFT-1
OFFICE 1024 CFT-1
OFFICE 1026 CFT-1
OFFICE 1021 CFT-1
OFFICE 1023 CFT-1
OFFICE 1025 CFT-1
OFFICE 1034 CFT-1
OFFICE 1032 CFT-1
OFFICE 1030 CFT-1
OFFICE 1035 CFT-1
OFFICE 1033 CFT-1
OFFICE 1031 CFT-1
OFFICE 1041 CFT-1
OFFICE 1040 CFT-1
OFFICE 1039 CFT-1
WORKROOM 1027 LVT-2
OFFICE 1028 CFT-1
OFFICE 1029 CFT-1
WORKROOM 1069 LVT-2
FAMILY VISITATION 1 1068 LVT-1
OBSERVATION 1067 CFT-1
FAMILY VISITATION 3 1070 LVT-1
FAMILY VISITATION 2 1066 LVT-1
FAMILY RR 1071 HTF-1
MECHANICAL 1072 SC-1
ELEC 1073 SC-1
PLMB 1074 SC-1
STORAGE 1004 LVT-2
CORRIDOR 1026 CFT-1
TRAINING 1003 CFT-2
VESTIBULE 1000 WCC-1
LOBBY 1001 HTF-2
WP-1
WOMENS 1204 HTF-1
MENS 1203 HTF-1
SERVER 1205 SC-1
MAIL 1202 LVT-2
CLERICAL/MAIL 1201 LVT-2
C3 1201 LVT-2
MEETING 1189 CFT-2
OFFICE 1196 CFT-1
OFFICE 1191 CFT-1
ISP MTG 1197 CFT-2
OFFICE SUPR. 1195 CFT-1
OFFICE 1194 CFT-1
WORKROOM 1181 LVT-2
OFFICE SUPR. 1180 CFT-1
OFFICE 1179 CFT-1
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OFFICE 1168 CFT-1
OFFICE 1164 CFT-1
OFFICE 1162 CFT-1
OFFICE SUPR. 1161 CFT-1
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OFFICE 1126 CFT-1
OFFICE 1128 CFT-1
OFFICE SUPR. 1129 CFT-1
OFFICE 1130 CFT-1
OFFICE 1131 CFT-1
OFFICE 1132 CFT-1
OFFICE SUPR. 1133 CFT-1
IDF 1134 SC-1
OFFICE 1135 CFT-1
OFFICE SUPR. 1136 CFT-1
OFFICE 1137 CFT-1
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OFFICE SUPR. 1180 CFT-1
WORKROOM 1181 LVT-2
OFFICE 1182 CFT-1
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OFFICE

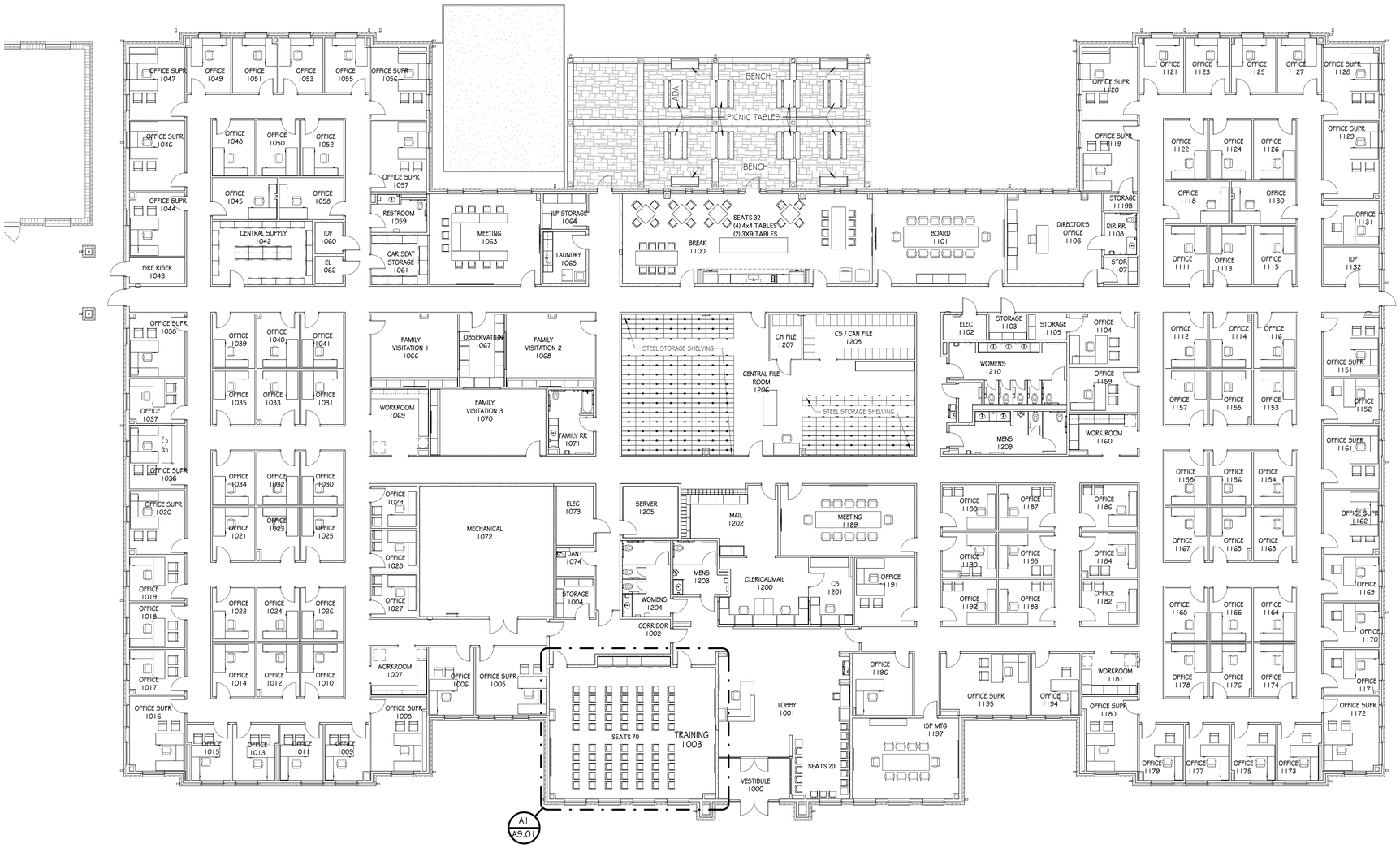
1. MODULAR CASEWORK (BUILT-IN DESKS) AND LOOSE FURNITURE (IE. TABLES AND CHAIRS) ARE SHOWN FOR INFORMATION AND COORDINATION ONLY, AND ARE PROVIDED BY OTHERS.

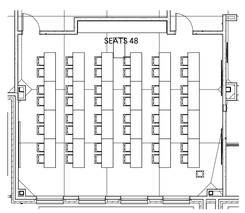
2. GENERAL CONTRACTOR TO PROVIDE AND INSTALL 'STEEL STORAGE SHELVING' PER SPECIFICATION SECTION 10 6741.

3. GENERAL CONTRACTOR TO PROVIDE 'SITE FURNISHINGS' (PICNIC TABLE, BENCH, TRASH CAN) PER SPECIFICATION SECTION 32 3300. ANCHOR TABLES AND BENCHES TO CONCRETE.

4. GENERAL CONTRACTOR TO PROVIDE BLOCKING IN WALLS AT "ABOVE DESK" MODULAR CASEWORK SHELVING LOCATIONS. VERY DIMENSIONS WITH MODULAR CASEWORK MANUFACTURER DRAWINGS PROVIDED BY OTHERS.

5. GENERAL CONTRACTOR TO COORDINATE OUTLET LOCATIONS AS DESKS TO INSURE THEY ARE ACCESSIBLE FROM THE DESK CHAIR AREA.





A1 TRAINING - ALTERNATE LAYOUT
SCALE: 3/32" = 1'-0"

A4 FURNITURE PLAN
SCALE: 3/32" = 1'-0"

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Birmingham, AL 35233
T 205.879.4462
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FURNITURE PLAN

A9.01

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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.

G. COLD-FORMED METAL FRAMING:
NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AMERICAN IRON AND STEEL INSTITUTE AISI S100-16.

1.2. THE GENERAL NOTES ARE NOT A SUBSTITUTE OR A REPLACEMENT FOR THE PROJECT SPECIFICATIONS. THESE NOTES ARE INTENDED AS A GUIDE TO THE DESIGN AND/OR CONSTRUCTION REQUIREMENTS ESTABLISHED FOR THIS PROJECT. NO CONTRACTOR SHOULD ATTEMPT TO DESIGN, BID, OR CONSTRUCT ANY PORTION OF THE WORK HEREIN WITHOUT CONSULTING THE PROJECT SPECIFICATIONS. THE MORE STRINGENT REQUIREMENT SHALL APPLY WHERE CONFLICTS OCCUR BETWEEN THESE NOTES AND THE SPECIFICATIONS, UNLESS A WRITTEN CLARIFICATION IS ISSUED BY THE STRUCTURAL ENGINEER.

1.3. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTION WITH THE DRAWINGS OF OTHER CONSULTANTS AND TRADES. THE CONTRACTOR SHALL COORDINATE THE VARIOUS REQUIREMENTS.

1.4. DO NOT SCALE THESE DRAWINGS.

1.5. ALL DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS, UNLESS NOTED.

1.6. CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO FABRICATION/CONSTRUCTION. THE STRUCTURAL ENGINEER AND ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO FABRICATION/CONSTRUCTION.

1.7. FIREPROOFING OF STRUCTURAL ELEMENTS IS NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO THE DRAWINGS OF OTHER CONSULTANTS FOR SUCH INFORMATION.

1.8. 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. CONSTRUCTION AND SAFETY:

3.1. 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.

3.2. MEANS AND METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIALS ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY.

3.3. 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.

3.4. 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.

4. SUBMITTALS:

4.1. ALL SHOP DRAWINGS MUST BE REVIEWED FOR "APPROVAL" AND STAMPED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTAL.

4.2. SUBMIT EACH SET OF SHOP DRAWINGS DIGITALLY, THE REVIEWED PDF FILE WILL BE RETURNED TO THE CONTRACTOR

4.3. 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
E. COLD-FORMED METAL FRAMING (*#)
F. SHOP FABRICATED COLD-FORMED METAL TRUSSES (*)

4.4. DESIGN CALCULATIONS: THE GENERAL CONTRACTOR SHALL SUBMIT FOR ENGINEER'S REVIEW TWO SETS OF DESIGN CALCULATIONS SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED, FOR THE FOLLOWING ITEMS:

A. STRUCTURAL STEEL CONNECTIONS
B. COLD-FORMED METAL FRAMING
C. SHOP FABRICATED COLD-FORMED METAL TRUSSES

5. DESIGN LOADS:

5.1. 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.

5.2. LIVE LOADS: LIVE LOAD REDUCTIONS HAVE BEEN APPLIED TO THE STRUCTURAL MEMBERS IN ACCORDANCE WITH THE BUILDING CODE.

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

5.3. SNOW LOAD:

A. GROUND SNOW LOAD (Pg.) ---------- 5 PSF
B. IMPORTANCE FACTOR (I) ---------- 1.0
C. EXPOSURE FACTOR (Ce) ---------- 1.0
D. THERMAL FACTOR (Ct) ---------- 1.0

5.4. WIND LOADS:

A. BASIC WIND SPEED (3-SECOND GUST) ---------- 117 MPH
B. WIND IMPORTANCE FACTOR (Iw) ---------- 1.0
C. WIND EXPOSURE ---------- C
D. RISK CATEGORY---------- II
E. INTERNAL PRESSURE COEFFICIENT ---------- +/- 0.18
F. DESIGN WIND PRESSURE FOR COMPONENTS AND CLADDING ---------- SEE TABLE ON S1.05

5.5. SEISMIC LOADS:

A. SEISMIC IMPORTANCE FACTOR (Ie)---------- 1.00
B. MAPPED SPECTRAL RESPONSE ACCELERATIONS:
Ss---------- 0.082
S1---------- 0.058
RISK CAEGORY---------- II
SITE CLASS---------- D
SPECTRAL RESPONSE COEFFICIENTS:
Sds---------- 0.088
Sd1---------- 0.093
C. SEISMIC DESIGN CATEGORY---------- B
BASIC SEISMIC-FORCE RESISTING SYSTEM:
STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE, EXCLUDING CANTILEVER COLUMN SYSTEMS
D. DESIGN BASE SHEAR: ---------- 34 KIPS
E. SEISMIC RESPONSE COEFFICIENT (Cs)---------- 0.03
F. RESPONSE MODIFICATION FACTOR (R)---------- 3
G. ANALYSIS PROCEDURE:
EQUIVALENT LATERAL FORCE METHOD

6. FOUNDATION NOTES:

6.1. GEOTECHNICAL REPORT: FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT BY TTL, INC., TITLED "REPORT OF GEOTECHNICAL EXPLORATION ALABAMA DEPARTMENT OF HUMAN RECSOURCES DHR — HOUSTON COUNTY, DOTHAN, HOUSTON COUNTY, ALABAMA. GMC PROJECT NUMBER GMGM250037". THE GENERAL CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL REPORT FROM THE OWNER AND FOLLOW ALL REQUIREMENTS WITHIN THE RECOMMENDATIONS SECTION.

6.2. MAXIMUM BEARING PRESSURES (PSF):
TYPICAL ---------- 2000

6.3. ALL FOUNDATION BEARING SURFACES SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE TO ENSURE THEIR COMPLIANCE WITH PRESSURES NOTED. ALL BOTTOM ELEVATIONS ARE ESTIMATED AND MAY BE ADJUSTED IN THE FIELD BY THE GEOTECHNICAL ENGINEER.

6.4. LOW CONSISTENCY SOILS ARE PRESENT AT THE PROJECT SITE AND IS NOTED ACCORDINGLY IN THE GEOTECHNICAL REPORT. CONTRACTOR SHOULD EXPECT UNDERCUTTING OF LOW CONSISTENCY SOILS. THE FINAL EXTENT OF UNDERCUTTING SHOULD BE DETERMINED BY THE GEOTECHNICAL ENGINEER. COMPACTED FILL WILL BE REQUIRED AT UNDERCUT LOCATIONS IN ACCORDANCE WITH GEOTECHNICAL REPORT.

6.5. 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.

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

6.7. 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.

6.8. EARTH SUPPORTED SLAB:

A. SUBGRADE MODULUS---------- 100 PCI

7. CONCRETE NOTES:

7.1. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS:
4000 PSI NORMAL WT. - FOOTINGS, WALLS, SLAB ON GRADE.

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

7.3. EARTH SUPPORTED SLABS:
TYPICAL: 4" THICK, REINFORCED WITH 6X6 W2.9/W2.9 WWR (SHEETS) AT TOP THIRD OF SLAB DEPTH, UNLESS NOTED.
FILE ROOM AREA SLAB: 10" THICK, REINFORCED WITH #4@16" EACH WAY, TOP AND BOTTOM. SEE PLAN AND SECTIONS.
MECHANICAL ENCLOSURE AREA: 12" THICK, REINFORCED WITH #5@16" EACH WAY, TOP AND BOTTOM.

7.4. CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.

8. CONCRETE REINFORCING STEEL NOTES:

8.1. REINFORCING BARS: ASTM A615 GRADE 60.

8.2. 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.

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

8.4. REINFORCING BAR PLACING ACCESSORIES IN ACCORDANCE WITH ACI MANUAL OF STANDARD PRACTICE. WHERE CONCRETE IS EXPOSED IN FINISHED BUILDING, PROVIDE ACCESSORIES WITH RUSTPROOF LEGS. WHERE CONCRETE IS SAND-BLASTED OR BUSH-HAMMERED, PROVIDE ACCESSORIES OF STAINLESS STEEL.

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

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

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

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

8.9. 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"

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

9. STRUCTURAL STEEL NOTES:

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

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

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

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

9.5. BOLTED CONNECTIONS: ASTM F3125 GRADE A325-N AND SLIP-CRITICAL TYPE A325-SC IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS." BOLTS THROUGH 4" WIDE BEAM FLANGES SHALL BE 5/8" DIAMETER. OTHER BOLTS SHALL BE 3/4" DIAMETER. USE SLIP-CRITICAL CONNECTIONS FOR WIND FRAMES, MOMENT CONNECTIONS, SKYLIGHT FRAMING AND OTHER CONNECTIONS NOTED AS SLIP-CRITICAL. USE SNUG TIGHT BEARING CONNECTIONS FOR ALL OTHER BOLTED CONNECTIONS.

9.6. 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.

9.7. 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.

9.8. DESIGN CALCULATIONS FOR THE CONNECTIONS SHALL BE PROVIDED BY THE CONTRACTOR AND DESIGNED BY A PROFESSIONAL ENGINEER. CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED AND SHALL BE SUBMITTED FOR THE FILES OF THE ARCHITECT AND ENGINEER. THE CONNECTION DESIGNER SHALL REVIEW THE CONNECTIONS INDICATED IN THE SHOP DRAWINGS TO ENSURE THE SHOP DRAWINGS CONFORM WITH THE CONNECTION DESIGN CALCULATIONS. SHOP DRAWINGS CONTAINING CONNECTIONS FOR WHICH CALCULATIONS HAVE NOT BEEN RECEIVED WILL BE RETURNED UNCHECKED AS AN INCOMPLETE SUBMITTAL.

9.9. ALL NON-COMPOSITE BEAM CONNECTIONS SHALL BE "SIMPLE SHEAR CONNECTIONS" UNLESS NOTED. WHERE BEAM REACTIONS ARE NOT SHOWN ON THE DRAWINGS, THE CONNECTIONS SHALL BE DESIGNED TO SUPPORT A REACTION EQUAL TO ONE-HALF THE TOTAL UNIFORM LOAD CAPACITY FROM THE MAXIMUM SIZE UNIFORM LOAD TABLE MULTIPLIED BY A FACTOR OF 1.2 FOR GIVEN SHAPE, SPAN, AND GRADE OF STEEL.

9.10. 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.

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

9.12. WHERE STEEL BEAMS ARE CONTINUOUS OVER COLUMNS, PROVIDE WEB STIFFENER PLATES ON EACH SIDE OF THE BEAM WEB, OF THICKNESS EQUAL TO THE BEAM FLANGE THICKNESS, LOCATED IN ALIGNMENT WITH COLUMN WEB OR FLANGES OR CENTER LINE OF TUBES AND PIPE COLUMNS.

9.13. ALL COLUMN ANCHOR ROD HOLES TO BE OVERSIZED AS REQUIRED. THE MAXIMUM HOLE SIZE FOR ANCHOR RODS IN BASE PLATES SHALL CONFORM TO THE REQUIREMENTS LISTED IN TABLE 14-2 OF THE AISC STEEL CONSTRUCTION MANUAL. PLATE WASHERS ARE REQUIRED WITH ALL OVERSIZED HOLES AND SHALL MEET THE MINIMUM DIMENSIONS LISTED IN TABLE 14-2.

9.14. 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. STEEL DECK NOTES:

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

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

10.3. ROOF DECK: WIDE RIB TYPE "WR", STEEL ROOF DECK, 22 GA, 1-1/2" DEEP, GALVANIZED, ATTACH ROOF DECK TO LIGHTGAGE TRUSSES USING #12 TEK SCREWS ON A 36/4 PATTERN WITH 3# 10 TEK SCREW SIDELAP FASTENERS PER SPAN.

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

11. MASONRY NOTES:

11.1. MASONRY CONSTRUCTION SHALL CONFORM TO TMS 602 SPECIFICATION.

11.2. 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.

11.3. 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 2500 PSI. MASONRY CONCRETE FILL SHALL CONFORM TO THE REQUIREMENTS NOTED UNDER "CONCRETE" IN THE GENERAL NOTES.

11.4. 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.

11.5. 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.

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

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

11.8. 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.

11.9. 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.

11.10. 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.

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

11.12. 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.

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

12. COLD-FORMED METAL FRAMING NOTES:

12.1. ALL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AMERICAN IRON AND STEEL INSTITUTE.

12.2. ALL FRAMING MEMBERS SHALL BE FORMED FROM CORROSION-RESISTANT STEEL, CORRESPONDING TO THE REQUIREMENTS OF ASTM A1003, WITH A MINIMUM YIELD STRENGTH OF 33 KSI OR 50 KSI AS INDICATED.

12.3. ALL MEMBERS SHOWN ARE STANDARD DESIGNATIONS OF THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA).

12.4. DESIGN OF MEMBERS INDICATED IN STRUCTURAL DRAWINGS IS BASED ON MINIMUM PROPERTIES OF PRODUCTS PRODUCED BY "DIETRICH INDUSTRIES, INC." NO SUBSTITUTION OF MATERIALS IS ACCEPTABLE FOR USE WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER. SUBSTITUTIONS ARE ACCEPTABLE, SUBJECT TO APPROVAL OF THE STRUCTURAL ENGINEER AND SHALL MEET OR EXCEED ALL PROPERTIES OF PRODUCTS PRODUCED BY THE STEEL STUD MANUFACTURERS ASSOCIATION (SSMA).

12.5. FABRICATOR IS RESPONSIBLE FOR THE DESIGN AND DETAILING OF ALL LIGHTGAGE STEEL FRAMING AND SHALL RETAIN A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. THE ENGINEER SHALL SEAL AND SIGN BOTH CALCULATIONS AND SHOP DRAWINGS. GENERALLY, CONNECTIONS SHOWN ON THE DRAWINGS ARE SCHEMATIC AND ARE INTENDED ONLY TO SHOW THE RELATIONSHIP OF THE MEMBERS AND INFORMATION FOR PRICING/BIDDING.

12.6. SUBMIT CALCULATIONS AND SHOP DRAWINGS FOR DETAILS, FABRICATION, AND ERECTION OF LIGHTGAGE STEEL FRAMING DRAWINGS SHALL INCLUDE LAYOUT, SPACING, TYPE, MATERIAL/MEMBER PROPERTIES AND ALL DETAILS OF CONNECTIONS FOR ALL LIGHTGAGE STEEL FRAMING INDICATED ON THE STRUCTURAL DRAWINGS.

12.7. SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMISSION. DRAWINGS SHALL BEAR THE CONTRACTOR'S APPROVAL STAMP ACCEPTING RESPONSIBILITY FOR DIMENSIONS, QUANTITIES AND COORDINATION WITH THE OTHER TRADES.

12.8. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS OR AS REQUIRED FOR AN ANGULAR FIT TIGHT AGAINST ABUTTING MEMBERS.

12.9. AXIALLY LOADED STUDS SHALL BE INSTALLED IN A MANNER WHICH WILL ASSURE THAT THEIR ENDS ARE POSITIONED TIGHT AGAINST THE INSIDE OF RUNNER WEBS PRIOR TO FASTENING. PROVIDE WEAK-AXIS HORIZONTAL BRACING AT 36 INCHES MAXIMUM VERTICAL SPACING, BOTH STUD FLANGES. HORIZONTAL BRACING SHALL BE 1-1/2" X 20 GA STRAPS AND CS TYPE RUNNER SOLID BRIDGING AT EACH END OF WALL, ADJACENT TO WALL OPENINGS, AND 8'-0" O/C MAXIMUM.

12.10. WHERE STUD FRAME TO STRUCTURAL FLOOR OR ROOF MEMBERS SUBJECT TO DEFLECTION FROM OCCUPANT LIVE LOADING, A DEFLECTION CLIP ASSEMBLY SHALL BE PROVIDED AT THE TOP RUNNER TO ACCOMMODATE VERTICAL STRUCTURAL MOVEMENT.

12.11. FASTENING OF COMPONENTS SHALL BE BY SELF-DRILLING SCREWS OR BY WELDING AS DEFINED BELOW U.N.O. ON THE DRAWINGS.

12.12. SCREWED CONNECTIONS:

A. SCREWS SHALL BE TYPE S-12 OR TYPE S-4 FOR ALL FRAMING MEMBERS PER MANUFACTURER'S RECOMMENDATIONS.

B. A MINIMUM OF THREE (3) EXPOSED THREADS SHALL PENETRATE THROUGH ALL JOINED MATERIALS.

C. CORROSION-RESISTANT CADMIUM-PLATED SCREWS SHALL BE USED FOR SCREWS ATTACHING METAL LATH, MASONRY TIES, AND OTHER EXTERIOR MATERIALS.

12.13. CUTTING OF STEEL FRAMING MEMBERS MAY BE DONE WITH A SAW OR CUTTING SHEARS. TORCH CUTTING OF LOAD BEARING MEMBERS IS NOT PERMITTED.

12.14. COMPLETE, UNIFORM, AND LEVEL BEARING SUPPORT SHALL BE PROVIDED FOR THE BOTTOM RUNNER. AT SPLICES WHERE SUPPORT IS NOT COMMON TO BOTH RUNNERS, EITHER BUTT WELD RUNNERS OR USE A STUD SECTION INSERTED IN THE RUNNER AS A SPLICING MEMBER ATTACHED PER MANUFACTURER'S RECOMMENDATIONS. RUNNER INTERSECTIONS SHALL BUTT EVENLY.

12.15. SPACING OF STUDS SHALL HAVE A TOLERANCE OF 1/8" FROM THAT SHOWN ON THE DRAWINGS, PROVIDING THAT THE CUMULATIVE ERROR DOES NOT EXCEED THE REQUIREMENTS OF OTHER MATERIALS OR CONSTRUCTION.

12.16. ALIGNMENT OF STUDS (PLUMBNESS) AND WALLS (STRAIGHTNESS) SHALL BE WITHIN 1/960TH OF THEIR RESPECTIVE HEIGHTS AND LENGTHS.

12.17. STUDS SHALL BE PLUMBED ALIGNED AND SECURELY ATTACHED TO BOTH TOP AND BOTTOM RUNNERS. SPLICES IN STUDS ARE NOT PERM

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.
PRIOR TO BOLTING (TABLE N5.6-1, 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.
PROTECTED STORAGE	OBSERVE	VERIFY PROTECTED STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS, AND OTHER FASTENER COMPONENTS.
DURING BOLTING (TABLE N5.6-2, 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):		
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.

2021 IBC - SCHEDULE OF SPECIAL INSPECTIONS

MATERIAL/ACTIVITY	EXTENT	INSTRUCTIONS/FREQUENCY
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.
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 MECHANCIAL FASTENING (SDI QA/QC - 2017, TABLE 1.7):		
FASTENERS ARE POSITIONED AS REQUIRED	OBSERVE	
FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS	OBSERVE	
AFTER MECHANCIAL FASTENING (SDI QA/QC - 2017, TABLE 1.8):		
CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS	PERFORM	
CHECK SPACING, TYPE, AND INSTALLATION OF SIDELAP FASTENERS	PERFORM	
CHECK SPACING, TYPE, AND INSTALLATION OF PERIMETER FASTENERS	PERFORM	
VERIFY REPAIR ACTIVITIES	PERFORM	
DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	PERFORM	
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
INSTALLATION OF THE EMBEDDED PARTS	CONTINUOUS	
COMPLETION OF THE CONTINUITY OF REINFORCEMENT ACROSS JOINTS	CONTINUOUS	
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 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
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
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
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

2021 IBC - SCHEDULE OF SPECIAL INSPECTIONS

MATERIAL/ACTIVITY	EXTENT	INSTRUCTIONS/FREQUENCY
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	
SPRAYED FIRE-RESISTANT MATERIALS (IBC 1705.15)		
PHYSICAL AND VISUAL TESTS	CONTINUOUS	INCLUDES CONDITION OF SUBSTRATES, THICKNESS OF APPLICATION, DENSITY IN POUNDS PER CUBIC FOOT, BOND STRENGTH ADHESION/COHESION, AND CONDITION OF FINISHED APPLICATION.
STRUCTURAL MEMBER SURFACE CONDITIONS IN CONFORMANCE WITH APPROVED FIRE-RESISTANCE DESIGN AND MANUFACTURER'S INSTRUCTIONS	CONTINUOUS	THE PREPARED SURFACE OF STRUCTURAL MEMBERS TO BE SPRAYED SHALL BE INSPECTED PRIOR TO FIRE-RESISTANT MATERIAL APPLICATION.
APPLICATION PER MANUFACTURER'S INSTRUCTIONS	CONTINUOUS	VERIFY SUBSTRATE MINIMUM AMBIENT TEMPERATURE BEFORE AND AFTER APPLICATION AND REQUIRED VENTILATION DURING AND AFTER APPLICATION.
THICKNESS IN CONFORMANCE WITH APPLICABLE SUBSECTIONS OF IBC 1705.15.4	CONTINUOUS	NOT MORE THAN 10% OF THE THICKNESS MEASUREMENTS APPLIED TO FLOOR, ROOF AND WALL ASSEMBLIES AND STRUCTURAL MEMBERS SHALL BE LESS THAN THE THICKNESS REQUIRED BY THE APPROVED DESIGN, AND NONE SHALL BE LESS THAN THE MINIMUM THICKNESS PER IBC 1705.14.4.1.
DENSITY MEETS REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASTM E605	PERIODIC	DENSITY TESTS: (1) FROM EACH FLOOR, ROOF AND WALL ASSEMBLY AT THE RATE OF NOT LESS THAN ONE SAMPLE FOR EVERY 2500 SF OR PORTION THEREOF OF THE SPRAYED AREA IN EACH STORY (2) FROM BEAMS, GIRDERS, TRUSSES, AND COLUMNS AT THE RATE OF NOT LESS THAN ONE SAMPLE FOR EACH TYPE OF STRUCTURAL MEMBER FOR EACH 2500 SF OF FLOOR AREA OR PORTION THEREOF IN EACH STORY.
BOND STRENGTH MEETS REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASTM E736 (SHALL NOT BE LESS THAN 150 PSF)	PERIODIC	BOND STRENGTH TESTS: (1) ONE SAMPLE FOR EVERY 2500 SF IN EACH STORY FOR FLOOR, ROOF AND WALL ASSEMBLIES (2) ONE SAMPLE FOR EVERY 2500 SF IN EACH STORY FOR EACH TYPE OF STRUCTURAL MEMBER (3) BOND TESTS TO QUALIFY A PRIMER, PAINT OR ENCAPSULANT SHALL BE CONDUCTED IF APPLICABLE, A BONDING AGENT APPROVED BY THE SFRM MANUFACTURER SHALL BE APPLIED WHERE BOND STRENGTHS DO NOT MEET REQUIRED VALUES.
MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS (IBC 1705.16)		
VERIFICATION AND INSPECTION OF FIRE-RESISTANCE DESIGN DESIGNATED IN CONSTRUCTION DOCUMENTS	PERIODIC	SHALL BE PERFORMED IN ACCORDANCE WITH AWCI 12-B; VERIFY SURFACE PREPARATION AND THICKNESS
EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) (IBC 1705.17)		
EIFS APPLICATIONS	CONTINUOUS	EXCEPTION: NOT REQUIRED WHERE INSTALLED OVER A WATER-RESISTIVE BARRIER WITH A MEANS OF DRAINING MOISTURE TO THE EXTERIOR OR WHERE INSTALLED OVER MASONRY OR CONCRETE WALLS.
WATER-RESISTIVE BARRIER COATING	CONTINUOUS	INSPECTION OF THE WATER-RESISTIVE BARRIER COATING COMPLYING WITH ASTM E2570 IS REQUIRED WHERE INSTALLED OVER A SHEATHING SUBSTRATE.
FIRE-RESISTANT PENETRATIONS AND JOINTS (IBC 1705.18)		
INSPECTION OF PENETRATION FIRESTOPS SHALL BE CONDUCTED BY AN APPROVED AGENCY IN ACCORDANCE WITH ASTM E2174.	CONTINUOUS	INSPECTION REQUIRED IN HIGH-RISE BUILDINGS OR IN BUILDINGS ASSIGNED TO RISK CATEGORY III OR IV FOR THROUGH-PENETRATIONS, MEMBRANE PENETRATION FIRESTOPS, FIRE-RESISTANT JOINT SYSTEMS AND PERIMETER FIRE BARRIER SYSTEMS THAT ARE TESTED AND LISTED IN ACCORDANCE WITH SECTIONS 714.4.1.2, 714.5.1.2, 715.3 AND 715.4.
INSPECTION OF FIRE-RESISTANT JOINT SYSTEMS SHALL BE CONDUCTED BY AN APPROVED AGENCY IN ACCORDANCE WITH ASTM E2393.	CONTINUOUS	INSPECTION REQUIRED IN HIGH-RISE BUILDINGS OR IN BUILDINGS ASSIGNED TO RISK CATEGORY III OR IV FOR THROUGH-PENETRATIONS, MEMBRANE PENETRATION FIRESTOPS, FIRE-RESISTANT JOINT SYSTEMS AND PERIMETER FIRE BARRIER SYSTEMS THAT ARE TESTED AND LISTED IN ACCORDANCE WITH SECTIONS 714.4.1.2, 714.5.1.2, 715.3 AND 715.4.
TESTING FOR SMOKE CONTROL (IBC 1705.19)		
LEAKAGE TESTING AND RECORDING OF DEVICE LOCATION DURING ERECTION OF DUCTWORK	CONTINUOUS	SHALL BE PERFORMED PRIOR TO CONCEALMENT
PRESSURE DIFFERENCE TESTING, FLOW MEASUREMENTS AND DETECTION AND CONTROL VERIFICATION	PERIODIC	SHALL BE PERFORMED PRIOR TO OCCUPANCY AND AFTER SUFFICIENT COMPLETION
APPROVED AGENCY QUALIFICATIONS	AS NOTED	APPROVED AGENCIES MUST HAVE EXPERTISE IN FIRE PROTECTION ENGINEERING, MECHANICAL ENGINEERING AND CERTIFICATION AS AIR BALANCERS.
STRUCTURAL OBSERVATIONS (IBC 1704.6)		
OTHER:		
OTHER:		

*INSPECTION AGENTS FIRM	ADDRESS	TELEPHONE NO.
1. OWNER'S TESTING AGENCY		
2.		
3.		
4.		

NOTE: THE INSPECTION AND TESTING AGENT(S) SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OF SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL PRIOR TO COMMENCING WORK. THE QUALIFICATIONS OF THE INSPECTION AGENT(S) MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL.

DATE:

NOTES:

1. STRUCTRUAL STEEL WELDING:
   - A. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS - CONTINUOUS.
   - B. MULTIPLE - PASS FILLET WELDS - CONTINUOUS.
   - C. PLUG AND SLOT WELDS - CONTINUOUS.
   - D. SINGLE - PASS FILLET WELDS < 5/16" - PERIODIC.
   - E. DECK WELDS - PERIODIC.
2. REINFORCING STEEL WELDING:
   - A. VERIFICATION OF WELDABILITY - PERIODIC.
   - B. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL IN INTERMEDIATE AND SPECIAL MOMENT FRAMES AND BOUNDARY ELEMENTS IN SPECIAL WALLS OR SHEAR REINF - CONTINUOUS.
   - C. SHEAR REINFORCEMENT - CONTINUOUS.
   - D. OTHER REINFORCING - PERIODIC.
3. EXCEPTIONS: SPECIAL INSPECTIONS SHALL NOT BE REQUIRED FOR:
   - A. ISOLATED SPREAD CONCRETE FOOTINGS OF BUILDINGS THREE STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK.
   - B. CONTINUOUS CONCRETE FOOTINGS SUPPORTING WALLS OF BUILDINGS THREE STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK WHERE:
     1. FOOTINGS SUPPORT WALLS OF LIGHT-FRAME CONSTRUCTION.
     2. FOOTINGS ARE DESIGNED IN ACCORDANCE WITH TABLE 1809.7.
     3. THE STRUCTURAL DESIGN OF THE FOOTING IS BASED ON A SPECIFIED COMPRESSIVE STRENGTH, F'c, NO GREATER THAN 2500 POUNDS PER SQUARE INCH (PSI). REGARDLESS OF THE COMPRESSIVE STRENGTH SPECIFIED IN THE CONSTRUCTION DOCUMENTS OR USED IN THE FOOTING CONSTRUCTION.
   - C. NONSTRUCTURAL CONCRETE SLABS SUPPORTED DIRECTLY ON THE GROUND, INCLUDING PRESTRESSED SLABS ON GRADE, WHERE THE EFFECTIVE PRESTRESS IN THE CONCRETE IS LESS THAN 150 PSI.
   - D. CONCRETE FOUNDATION WALLS CONSTRUCTED IN ACCORDANCE WITH TABLE 1807.1.6.2.
   - E. CONCRETE PATIOS, DRIVEWAYS AND SIDEWALKS ON GRADE.

DEFINITIONS:
PERIODIC - PART-TIME OR INTERMITTENT OBSERVATION OF WORK THAT HAS BEEN/IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK.
CONTINUOUS - FULL-TIME OBSERVATION OF WORK. INSPECTOR IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.
OBSERVE - INSPECT THESE ITEMS ON A RANDOM/INTERMITTENT BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
PERFORM - PERFORM THESE TASKS FOR EACH WELDED JOINT OR MEMBER, BOLTED CONNECTION, OR STEEL ELEMENT PRIOR TO FINAL ACCEPTANCE.

TUCKER-JONES
3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5606
PROJECT #25011

GMC
2701 1st Avenue S
Birmingham, AL 35233
T 205.879.4462
GMCNETWORK.COM

ISSUE DATE
ISSUE FOR BID 04.27.2026
DRAWN BY: KA
CHECKED BY: CSS

HOUSTON COUNTY DHR
Dothan, Alabama
GMC # ABHM250019

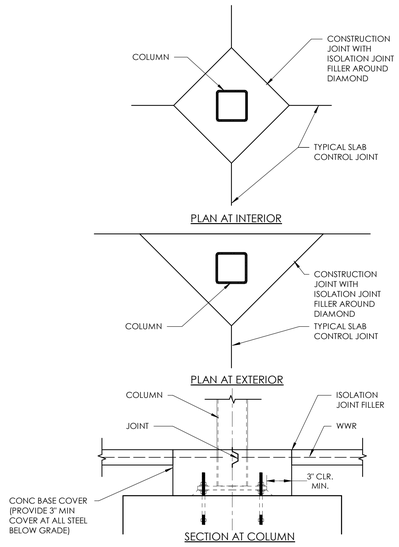
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04/27/2026

2021 SCHEDULE OF SPECIAL INSPECTIONS

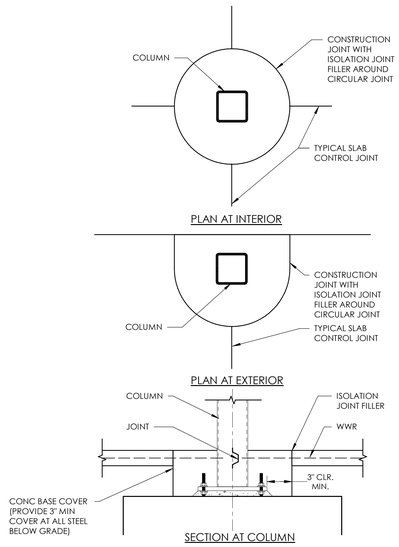
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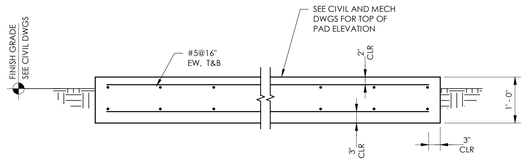
TUCKER-JONES
3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5606
PROJECT #25011



TYPICAL ISOLATION JOINT

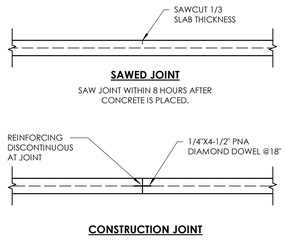


TYPICAL ISOLATION JOINT



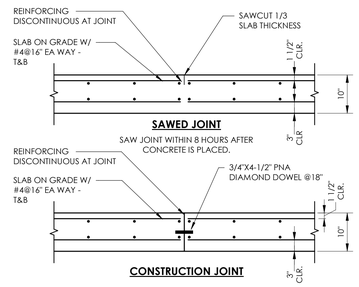
TYPICAL MECHANICAL EQUIPMENT PAD DETAIL

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



TYPICAL 4" SLAB CONTROL JOINT

JOINT TYPE IS OPTIONAL



TYPICAL 10" SLAB CONTROL JOINT

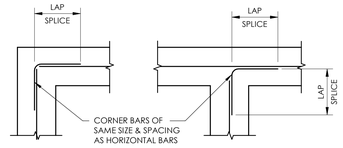
JOINT TYPE IS OPTIONAL

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"

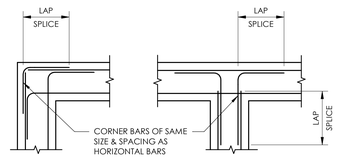
TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW THE REINF.

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.

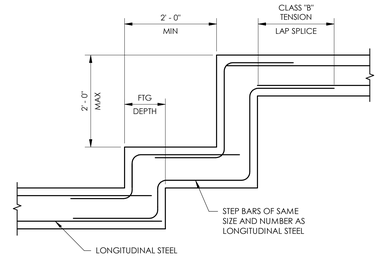


SINGLE LAYER REINFORCEMENT

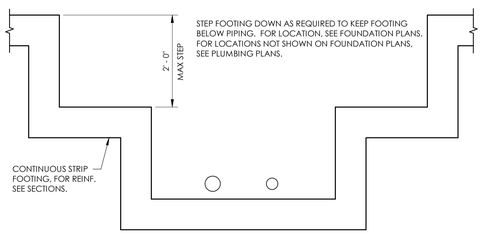


DOUBLE LAYER REINFORCEMENT

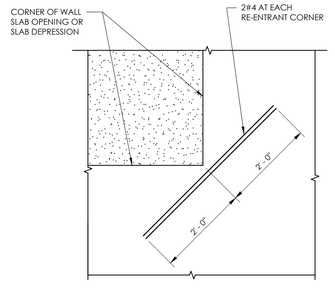
TYPICAL WALL CORNER REINFORCING DETAIL



TYPICAL FOOTING STEP



TYPICAL FOUNDATION WALL AT PIPING



TYPICAL RE-ENTRANT SLAB CORNER REINFORCING DETAIL

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2701 1st Avenue S
Birmingham, AL 35233
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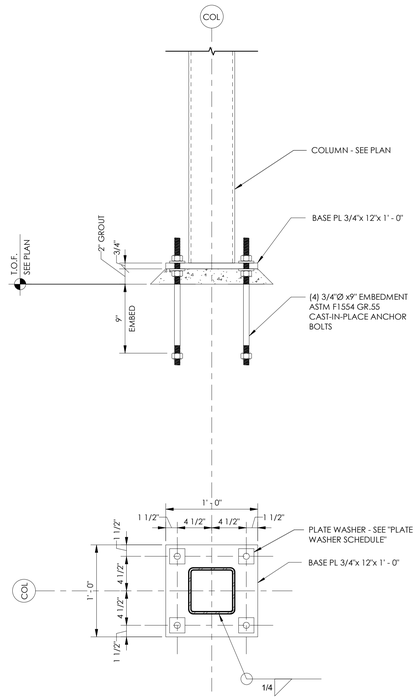
ALABAMA REGISTERED PROFESSIONAL ENGINEER No. 31254 CHRISTOPHER S. SELF
04/27/2026

TYPICAL DETAILS

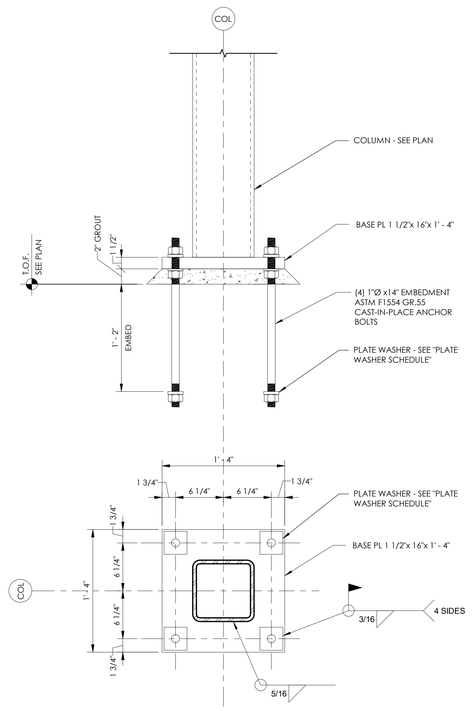
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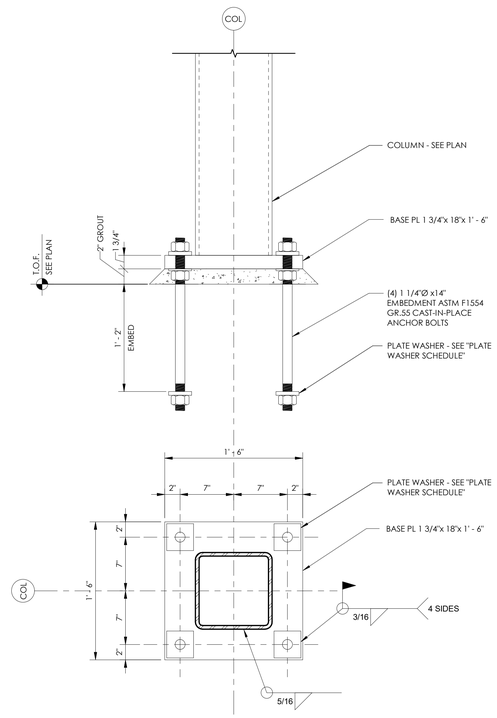
TUCKER-JONES
3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5606
PROJECT #25011



BP1 - TYPICAL BASE PLATE



BP2 - MOMENT FRAME COLUMN



BP3 - MOMENT FRAME COLUMN

PLATE WASHER AND BASEPLATE HOLE Ø SCHEDULE		
BOLT Ø	HOLE Ø	PLATE WASHER
3/4"	1-5/16"	1/4"x2"x2"
1"	1- 7/8"	3/8"x3"x3"
1 1/4"	2-1/8"	1/2"x3-1/2"x3-1/2"
1 1/2"	2-3/8"	1/2"x4"x4"
2"	3-1/4"	3/4"x5"x5"

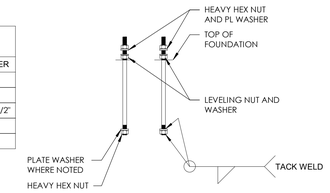
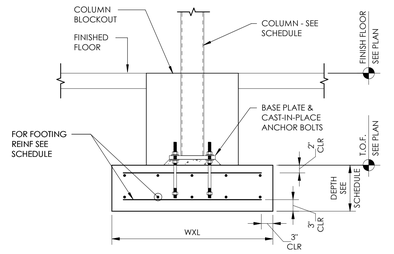


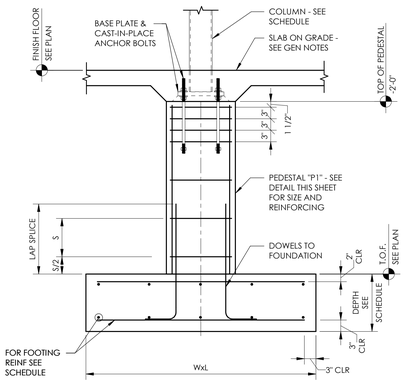
PLATE WASHER SCHEDULE



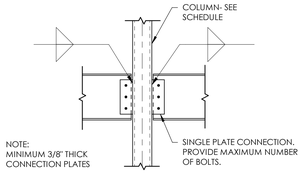
TYPICAL COLUMN BASE & FOOTING DETAIL

TYPICAL BASE PLATE AND ANCHOR BOLT DETAILS

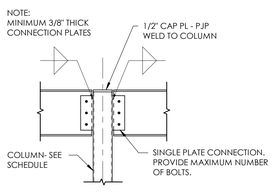
NOTES:
1. EDGE DISTANCES INDICATED ARE FOR ROLLED OR THERMALLY CUT BASE PLATES. VALUES SHALL BE ADJUSTED FOR SHEARED EDGES.
2. PROVIDE MAXIMUM ANCHOR BOLT HOLE DIAMETER AND MINIMUM RECOMMENDED PLATE WASHERS INDICATED IN "ANCHOR BOLT DETAILS" ON THIS SHEET.
3. STEEL TEMPLATES SHALL BE USED FOR SETTING ALL CAST-IN-PLACE ANCHOR BOLTS. **DO NOT WET-SET ANCHOR BOLTS IN CONCRETE.**



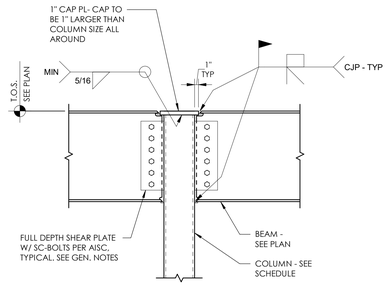
TYPICAL COLUMN BASE PEDESTAL & FOOTING DETAIL



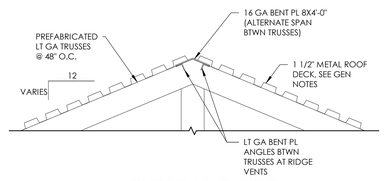
TYPICAL BEAM TO COLUMN CONNECTION



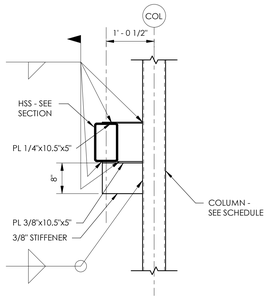
TYPICAL BEAM TO COLUMN CONNECTION

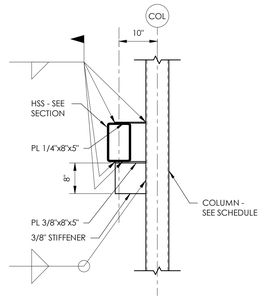


TYPICAL MOMENT CONNECTION DETAIL

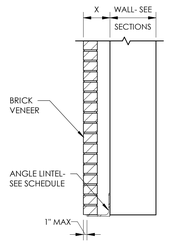


TYPICAL ROOF RIDGE DETAIL





TYPICAL HSS TO COLUMN CONNECTION



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	L5X5X3/8	L5X5X3/8
6'-0" TO 8'-0"	L5X5X3/8	L6X6X3/8	L6X6X3/8	L5X5X3/8	L5X5X3/8
8'-0" TO 10'-0"	BENT PL 8X5 1/2X3/8 LLV	BENT PL 8X6X3/8 LLV	BENT PL 8X5X3/8 LLV	BENT PL 8X5X3/8 LLV	BENT PL 8X5X3/8 LLV

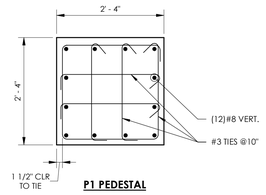
NOTES:
1. DO NOT USE THIS SCHEDULE IF A CONCENTRATED LOAD IS APPLIED TO THE LINTEL AT A HEIGHT LESS THAN HALF THE SPAN ABOVE THE LINTEL.
2. PROVIDE 8" MINIMUM BEARING FOR ALL LINTELS.
3. ALL EXPOSED LINTELS SHALL BE GALVANIZED.
4. VERTICAL CONTROL JOINTS IN THE BRICK WITHIN DISTANCE OF CLEAR SPAN/2 FROM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

COLUMN SCHEDULE				
COLUMN DESIGNATION		C1	C2	C3
COLUMN	SIZE	HSS6X6X5/16	HSS8X8X1/2	HSS10x10x5/8
	BASE PLATE	BP1	BP2	BP3
	HEADED ANCHOR BOLTS AND EMBEDMENT DEPTH	(4) 3/4"Ø - BP1	(4) 1"Ø - BP2	(4) 1-1/4"Ø - BP3
	NOTES	1	1	1

COLUMN SCHEDULE NOTES:
1. SEE "TYPICAL BASE PLATE AND ANCHOR BOLT DETAILS" ON THIS SHEET FOR BASE PLATE SIZE, ANCHOR BOLT EMBEDMENT, ETC.

FOOTING SCHEDULE					
FOOTING DESIGNATION	DEPTH	REINF EW.	LENGTH	WIDTH	NOTES
F4.0	1' - 3"	5#5	4' - 0"	4' - 0"	1
F5.0	1' - 3"	6#5	5' - 0"	5' - 0"	1
F6.0	1' - 6"	7#6	6' - 0"	6' - 0"	1
F7.0	1' - 6"	8#6	7' - 0"	7' - 0"	1
F8.0	1' - 6"	9#6	8' - 0"	8' - 0"	1
FSP1	1' - 6"	7#6 LONG. 12#6 TRANS	6' - 0"	10' - 0"	1

FOOTING SCHEDULE NOTES:
1. PROVIDE TOP AND BOTTOM REINFORCEMENT.



P1 PEDESTAL

NOTE: ALTERNATE HOOK POSITION OF EA SUCCESSIVE CROSSTIE

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CHECKED BY: CSS

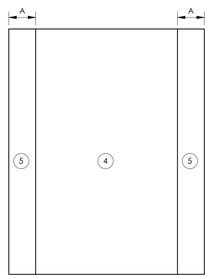
HOUSTON COUNTY DHR
Dothan, Alabama
GMC # ABHM250019

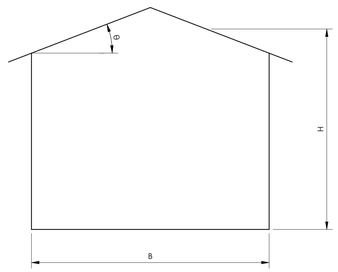
ALABAMA REGISTERED PROFESSIONAL ENGINEER No. 31254 CHRISTOPHER S. SIMS
04/27/2026

TYPICAL DETAILS

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ELEVATION

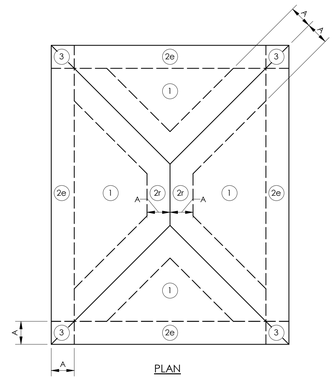
COMPONENT AND CLADDING ZONES WALL

A = 9 FT

	EFFECTIVE WIND AREA	ZONE 5 GC_p+		ZONE 5 GC_p-	
ZONE 5 WALL PRESSURES, DISTANCE "A" FROM THE CORNER OF THE BUILDING, CALCULATE "A" IN ACCORDANCE WITH ASCE7 - FIGURE 30.3-1	< 10 FT²	12.36 PSF	17.79 PSF	-23.82 PSF	-18.39 PSF
	20 FT²	11.61 PSF	17.03 PSF	-22.31 PSF	-16.88 PSF
	50 FT²	10.10 PSF	15.53 PSF	-20.05 PSF	-14.62 PSF
	100 FT²	9.35 PSF	14.77 PSF	-18.54 PSF	-13.11 PSF
	200 FT²	8.59 PSF	14.02 PSF	-17.03 PSF	-11.61 PSF
	> 500 FT²	7.84 PSF	13.27 PSF	-14.77 PSF	-9.35 PSF

	EFFECTIVE WIND AREA	ZONE 4 GC_p+		ZONE 4 GC_p-	
ZONE 4 WALL PRESSURES, THE INTERIOR PORTION OF THE BUILDING, REFER TO ASCE7 - FIGURE 30.3-1	< 10 FT²	12.36 PSF	17.79 PSF	-19.30 PSF	-13.87 PSF
	20 FT²	11.61 PSF	17.03 PSF	-18.54 PSF	-13.11 PSF
	50 FT²	10.10 PSF	15.53 PSF	-17.79 PSF	-12.36 PSF
	100 FT²	9.35 PSF	14.77 PSF	-16.28 PSF	-10.85 PSF
	200 FT²	8.59 PSF	14.02 PSF	-15.53 PSF	-10.10 PSF
	> 500 FT²	7.84 PSF	13.27 PSF	-14.77 PSF	-9.35 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.



PLAN

COMPONENT AND CLADDING ZONES HIP ROOFS, 7°<θ<45°

A = 9 FT

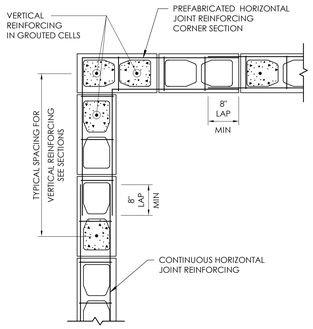
	EFFECTIVE WIND AREA	ZONE 3 GC_p+		ZONE 3 GC_p-	
ZONE 3 HIP ROOF PRESSURES, THE CORNER PORTION OF THE ROOF, REFER TO ASCE7 - FIGURE 30.3-2E THROUGH FIGURE 30.3-2I	< 10 FT²	8.71 PSF	14.74 PSF	-33.16 PSF	-27.13 PSF
	20 FT²	7.03 PSF	13.06 PSF	-33.16 PSF	-27.13 PSF
	50 FT²	3.68 PSF	9.71 PSF	-24.79 PSF	-18.76 PSF
	100 FT²	2.01 PSF	8.04 PSF	-19.76 PSF	-13.73 PSF
	200 FT²	2.01 PSF	8.04 PSF	-19.76 PSF	-13.73 PSF
	> 500 FT²	2.01 PSF	8.04 PSF	-19.76 PSF	-13.73 PSF

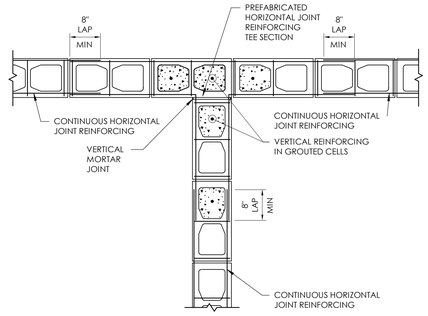
	EFFECTIVE WIND AREA	ZONE 2E GC_p+		ZONE 2E GC_p-	
ZONE 2E HIP ROOF PRESSURES, THE EDGE PORTION OF THE ROOF, REFER TO ASCE7 - FIGURE 30.3-2E THROUGH FIGURE 30.3-2I	< 10 FT²	8.71 PSF	14.74 PSF	-33.16 PSF	-27.13 PSF
	20 FT²	7.03 PSF	13.06 PSF	-33.16 PSF	-27.13 PSF
	50 FT²	3.68 PSF	9.71 PSF	-24.79 PSF	-18.76 PSF
	100 FT²	2.01 PSF	8.04 PSF	-19.76 PSF	-13.73 PSF
	200 FT²	2.01 PSF	8.04 PSF	-19.76 PSF	-13.73 PSF
	> 500 FT²	2.01 PSF	8.04 PSF	-19.76 PSF	-13.73 PSF

	EFFECTIVE WIND AREA	ZONE 2R GC_p+		ZONE 2R GC_p-	
ZONE 2R HIP ROOF PRESSURES, THE INTERIOR PORTION ABOUT THE RIDGE, REFER TO ASCE7 - FIGURE 30.3-2E THROUGH FIGURE 30.3-2I	< 10 FT²	8.71 PSF	14.74 PSF	-43.21 PSF	-37.18 PSF
	20 FT²	7.03 PSF	13.06 PSF	-39.03 PSF	-33.00 PSF
	50 FT²	3.68 PSF	9.71 PSF	-33.16 PSF	-27.13 PSF
	100 FT²	2.01 PSF	8.04 PSF	-32.33 PSF	-26.30 PSF
	200 FT²	2.01 PSF	8.04 PSF	-24.79 PSF	-18.76 PSF
	> 500 FT²	2.01 PSF	8.04 PSF	-24.79 PSF	-18.76 PSF

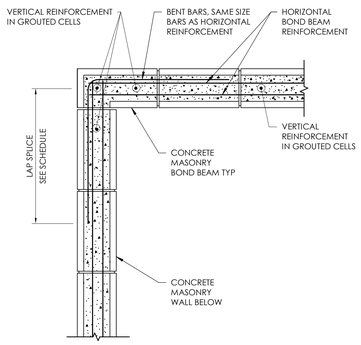
	EFFECTIVE WIND AREA	ZONE 1 GC_p+		ZONE 1 GC_p-	
ZONE 1 HIP ROOF PRESSURES, THE INTERIOR PORTION OF THE ROOF, REFER TO ASCE7 - FIGURE 30.3-2E THROUGH FIGURE 30.3-2I	< 10 FT²	8.71 PSF	14.74 PSF	-24.79 PSF	-18.76 PSF
	20 FT²	7.03 PSF	13.06 PSF	-24.79 PSF	-18.76 PSF
	50 FT²	3.68 PSF	9.71 PSF	-21.44 PSF	-15.41 PSF
	100 FT²	2.01 PSF	8.04 PSF	-19.76 PSF	-13.73 PSF
	200 FT²	2.01 PSF	8.04 PSF	-19.76 PSF	-13.73 PSF
	> 500 FT²	2.01 PSF	8.04 PSF	-19.76 PSF	-13.73 PSF

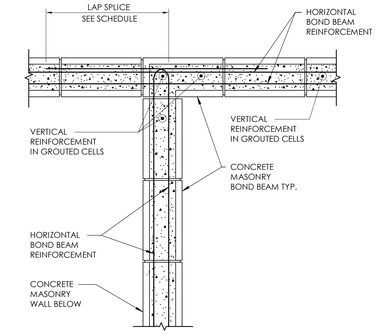
IMPORTANT: A REDUCTION FACTOR OF 0.6 HAS BEEN INCLUDED IN THE ASD WIND LOAD CALCULATIONS. DO NOT REAPPLY THE FACTOR WHEN CONSIDERING LOAD COMBINATIONS.





TYPICAL WALL CORNER REINFORCING DETAILS





TYPICAL BOND BEAM CORNER REINFORCING DETAILS

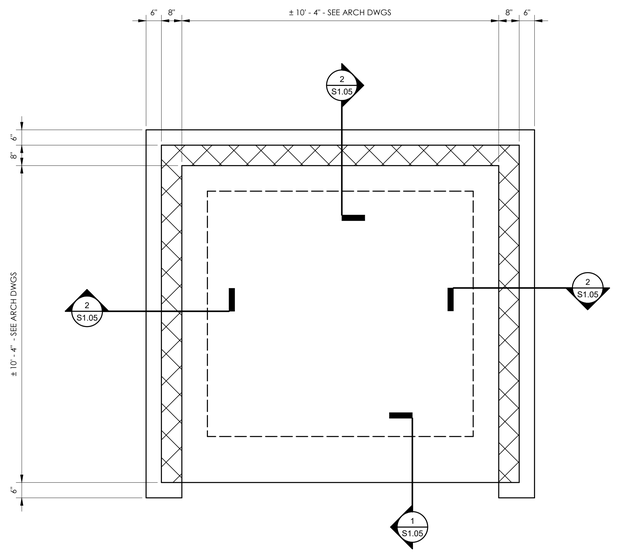
MASONRY WALL LAP SPLICE SCHEDULE

BAR Ø	8" WIDE WALLS		12" WIDE WALLS	
	f'm = 2000psi	f'm = 2500psi	f'm = 2000psi	f'm = 2500psi
#4	15"	12"	12"	12"
#5	24"	18"	15"	12"
#6	44"	34"	28"	21"
#7	61"	47"	38"	29"
#8	91"	71"	57"	44"
#9	115"	89"	72"	56"

MASONRY LINTEL SCHEDULE

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

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. IF STACK BOND IS SPECIFIED, OR IF THERE ARE CONTROL JOINTS OR WALL CORNERS WITHIN CLEAR SPAN/2 OF EITHER SIDE.
2. PROVIDE 8" MINIMUM BEARING FOR ALL LINTELS

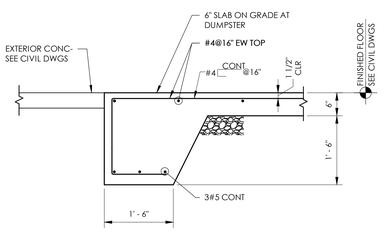


DUMPSTER ENCLOSURE FOUNDATION AND FLOOR PLAN

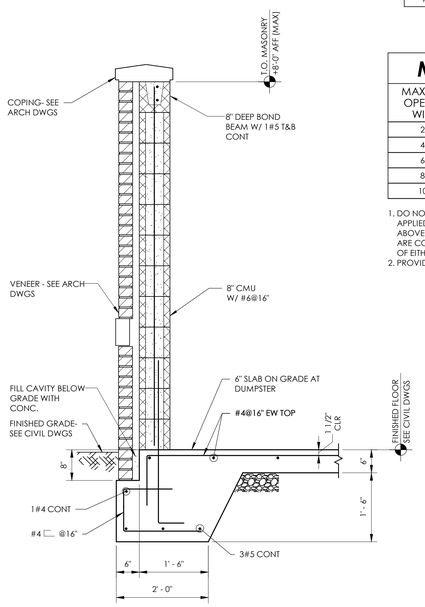
SCALE: 1/2"=1'-0"

1. SEE CIVIL DRAWINGS FOR ELEVATION OF SLAB ON GRADE.
2. SEE CIVIL AND ARCHITECTURAL DRAWINGS FOR LOCATION AND PLAN ORIENTATION ON SITE.
3. SEE SECTIONS FOR TOP OF MASONRY ABOVE SLAB ON GRADE.
4. PROVIDE 6" SLAB ON GRADE AT DUMPSTER ENCLOSURE WITH #4@16" EACH WAY. PLACE REINFORCING IN TOP THIRD OF SLAB.

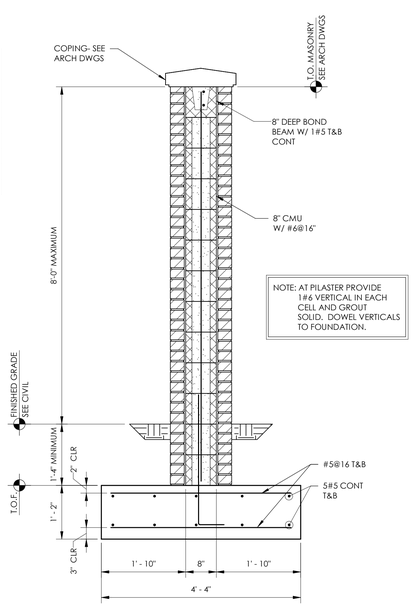
PROJECT NORTH



1 S1.05 SECTION 3/4" = 1'-0"



2 S1.05 SECTION 3/4" = 1'-0"



MONUMENT SIGN TYPICAL DETAIL

TUCKER-JONES ENGINEERS & ARCHITECTS
3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5606
PROJECT #25011

GMC

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Birmingham, AL 35233
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CHECKED BY: CSS

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Dothan, Alabama
GMC # ABHM250019

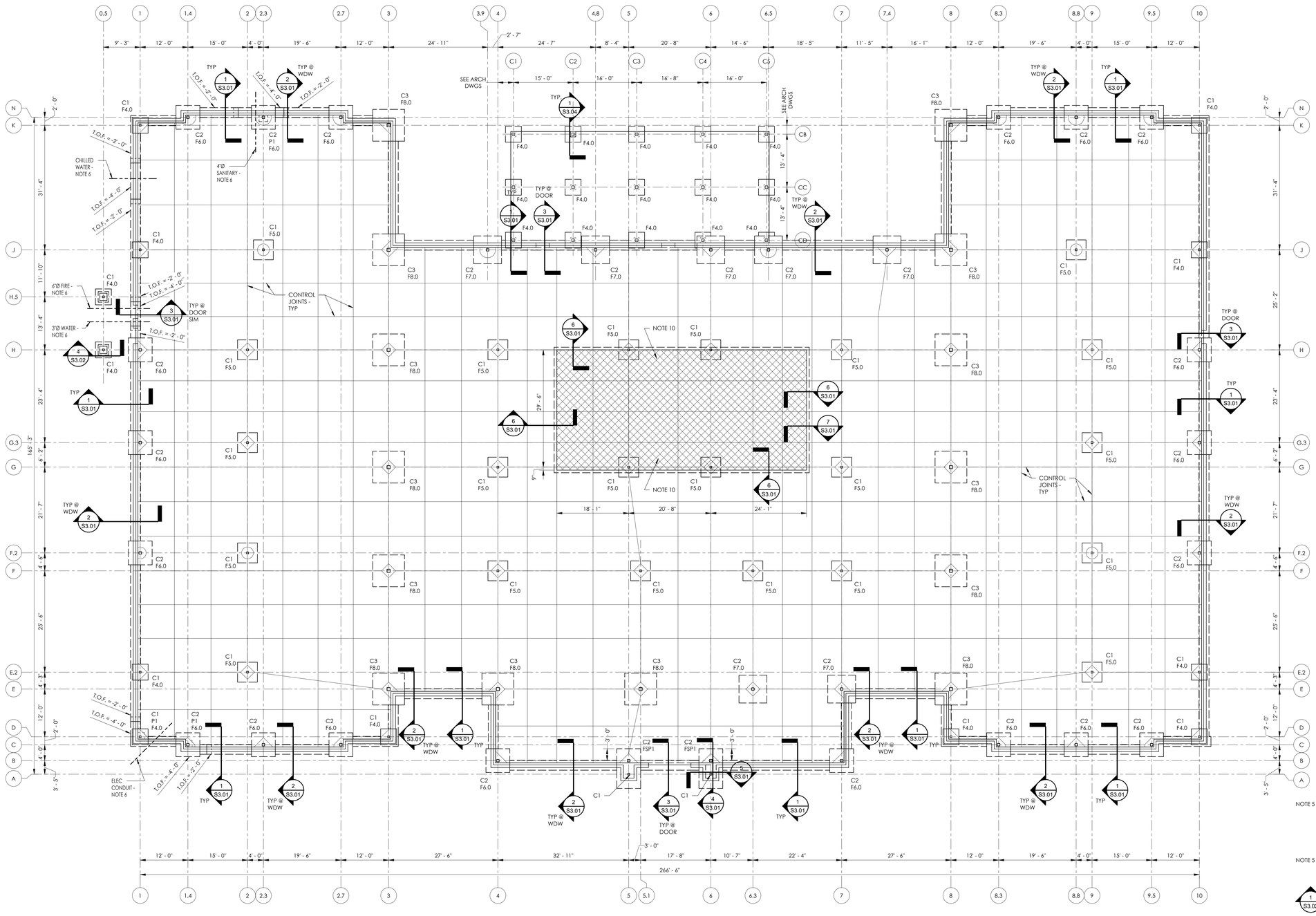
ALABAMA REGISTERED No. 31254 PROFESSIONAL CHRISTOPHER S. SCHNEIDER ENGINEER
04/27/2026

TYPICAL DETAILS

S1.05

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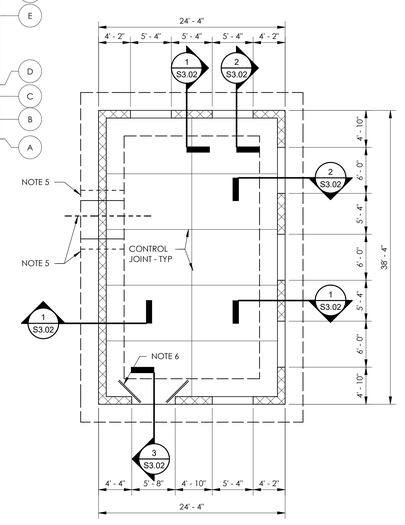


FLOOR AND FOUNDATION PLAN

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

PROJECT NORTH

1. FINISH FLOOR (TOP OF SLAB) ELEVATION 0'-0", UNLESS NOTED.
2. TOP OF FOOTING ELEVATION -2'-0" BELOW FINISH FLOOR, UNLESS NOTED.
3. 4" SLAB ON GRADE, UNLESS NOTED. SEE GENERAL NOTES AND TYPICAL DETAILS.
4. C"X" DENOTES COLUMN. SEE COLUMN SCHEDULE ON SHEET S1.04.
5. F"X" DENOTES COLUMN FOOTING AND "P1" DENOTES PEDESTAL. SEE FOOTING SCHEDULE AND TYPICAL DETAILS ON SHEET S1.04.
6. GENERAL CONTRACTOR COORDINATE LOCATION OF ALL FOOTING STEPS WITH CIVIL, UTILITY AND PLUMBING DRAWINGS.
7. GENERAL CONTRACTOR COORDINATE FLOOR DEPRESSION DEPTH, SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS.
8. GENERAL CONTRACTOR COORDINATE LOCATION OF TILE JOINTS WITH CONTROL JOINTS.
9. PROVIDE SLAB CONTROL JOINTS AT 12'-0" MAX SPACING IN EACH DIRECTION.
10. HATCHED AREA INDICATES THICKENED SLAB FOR HIGH DENSITY FILING SYSTEM. COORDINATE EXACT LOCATION WITH ARCH DRAWINGS. SEE SECTION FOR REINFORCING.
11. PROVIDE 2#4x4'-0" LONG RE-ENTRANT REINFORCEMENT IN TOP OF SLAB. PROVIDE 2" CLR FROM TOP OF SLAB.



MECHANICAL ENCLOSURE FLOOR PLAN

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

PROJECT NORTH

1. FINISH FLOOR (TOP OF SLAB) ELEVATION 0'-0", COORDINATE ACTUAL ELEVATION LEVEL WITH CIVIL DRAWINGS.
2. TOP OF FOOTING ELEVATION -2'-0" BELOW FINISH FLOOR, UNLESS NOTED.
3. SEE CIVIL, ARCHITECTURAL, AND MECHANICAL DRAWINGS FOR LOCATION AND PLAN ORIENTATION ON SITE.
4. 12" SLAB ON GRADE REINFORCED WITH #5@16" EACH WAY, TOP AND BOTTOM. SEE PLAN FOR SLAB CONTROL JOINT (12'-0" MAXIMUM SPACING). SEE GENERAL NOTES AND TYPICAL DETAILS.
5. STEP FOOTING BELOW PIPING AND CONDUIT. GENERAL CONTRACTOR COORDINATE LOCATION OF ALL FOOTING STEPS WITH CIVIL, UTILITY AND PLUMBING DRAWINGS.
6. PROVIDE 2#4x4'-0" LONG AT CORNER OF DOOR OPENING. PLACE IN TOP THIRD OF SLAB DEPTH.

TUCKER-JONES
ARCHITECTURE & INTERIORS
3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5606
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ALABAMA REGISTERED PROFESSIONAL ENGINEER No. 31254 CHRISTOPHER S. SHEETS
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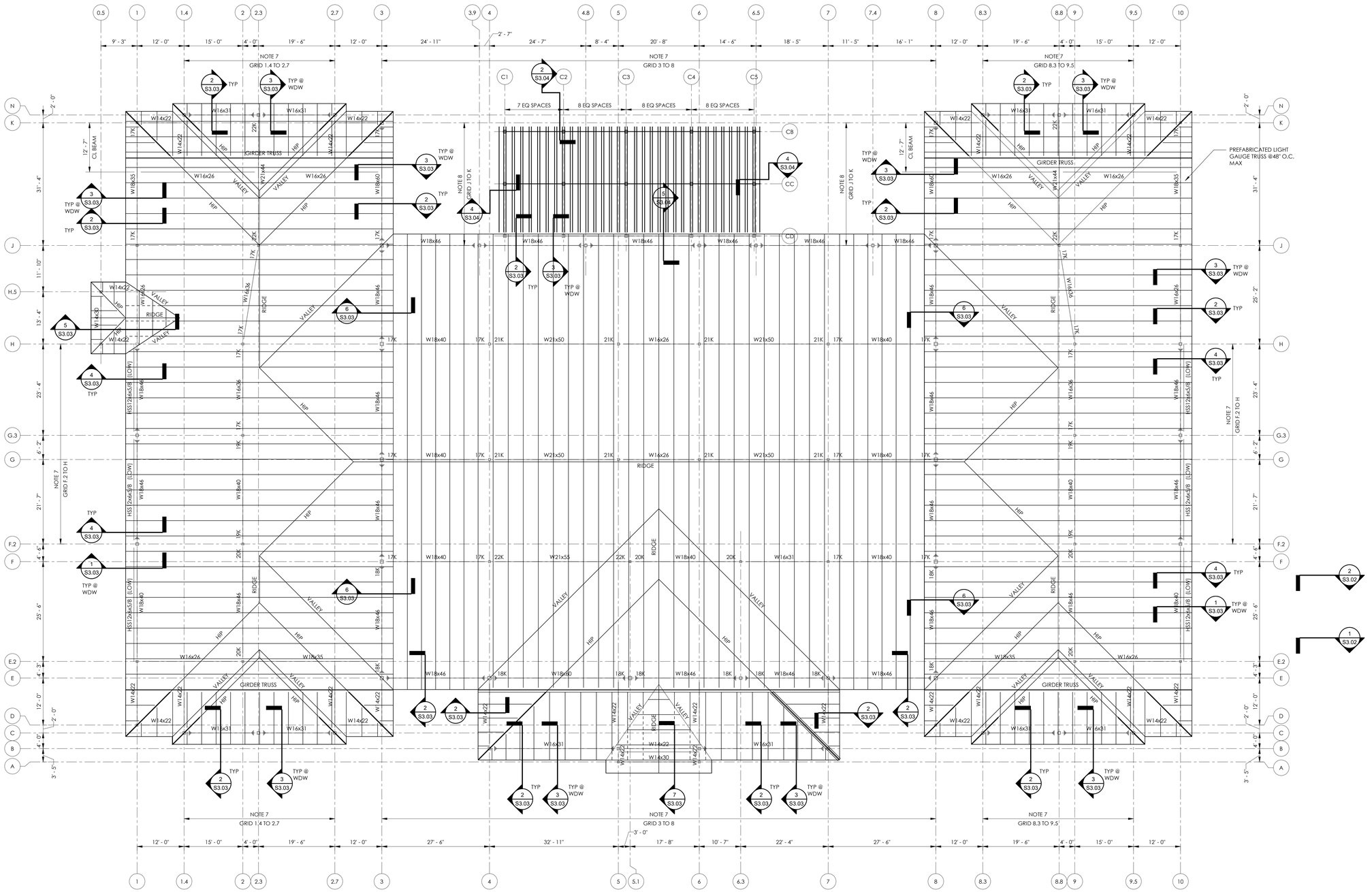
FLOOR AND FOUNDATION PLAN

S2.01

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ENGINEERS & ARCHITECTS
3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5606
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ROOF FRAMING PLAN

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

PROJECT NORTH

1. TRUSS BEARING (TOP OF STEEL BEAMS) ELEVATION +14'-0" AFF, UNLESS NOTED.
2. ROOF SYSTEM: 1 1/2" STEEL ROOF DECK ON LGT GA METAL TRUSSES AT 4'-0" OC, BEARING ON STEEL BEAMS, UNLESS NOTED. SEE GENERAL NOTES FOR ROOF DECK ATTACHMENT PATTERN.
3. " ◆ " INDICATES MOMENT CONNECTION. SEE TYPICAL DETAIL ON SHEET S1.04.
4. BEAM REACTIONS ARE INDICATED AT ENDS OF BEAMS AS "XK" WHERE "X" IS THE MAGNITUDE OF THE ALLOWABLE LOAD (ASD) SHEAR REACTION IN KIPS. WHERE BEAM REACTION IS NOT SHOWN ON PLAN, DESIGN CONNECTION FOR SHEAR REACTION OF 15 KIPS.
5. PROVIDE LGT GA BENT PLATE 16GAX6"X6" AT ALL HIPS AND VALLEYS. ATTACH TO EACH TRUSS SUPPORT USING 2#10 TEK SCREWS. SEE TYPICAL DETAIL FOR RIDGE BENT PLATE REQUIREMENTS.
6. TRUSS LAYOUT SHOWN FOR GENERAL INTENT. EXACT LAYOUT OF LIGHT GAUGE STEEL TRUSSES TO BE DETERMINED BY THE TRUSS DESIGNER/MANUFACTURER AND SUBMITTED TO THE STRUCTURAL ENGINEER FOR APPROVAL.
7. TRUSS MANUF TO DESIGN BLOCKING BETWEEN TRUSSES TO TRANSFER A LATERAL WIND LOAD OF 150 PLF FROM ROOF DIAPHRAGM TO STEEL BEAM WHERE NOTED ON PLAN.
8. TRUSS MANUF TO DESIGN BLOCKING BETWEEN TRUSSES TO TRANSFER A LATERAL WIND LOAD OF 230 PLF FROM ROOF DIAPHRAGM TO STEEL BEAM WHERE NOTED ON PLAN.

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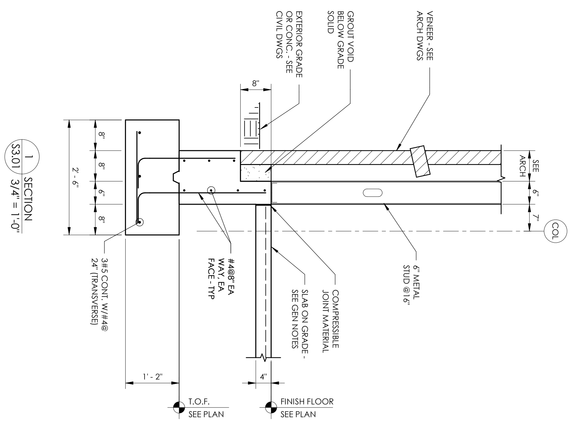
ROOF FRAMING PLAN

S2.02

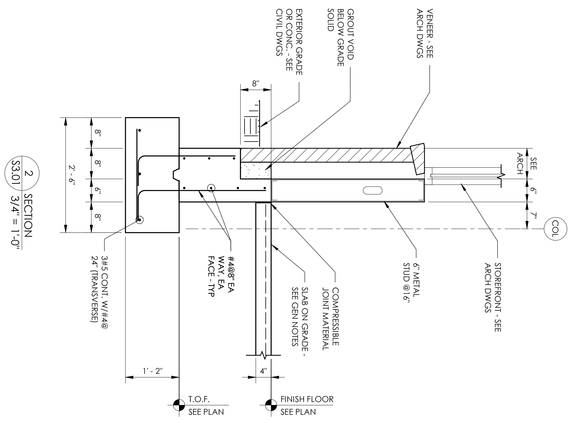
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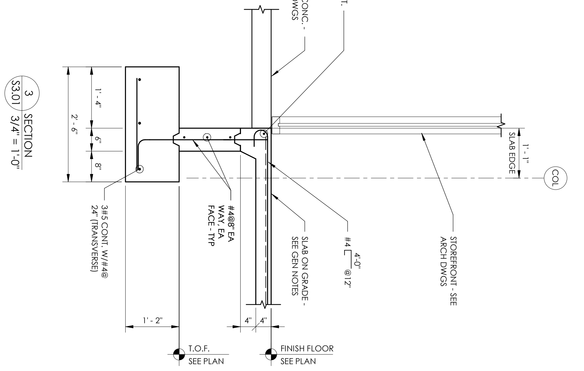
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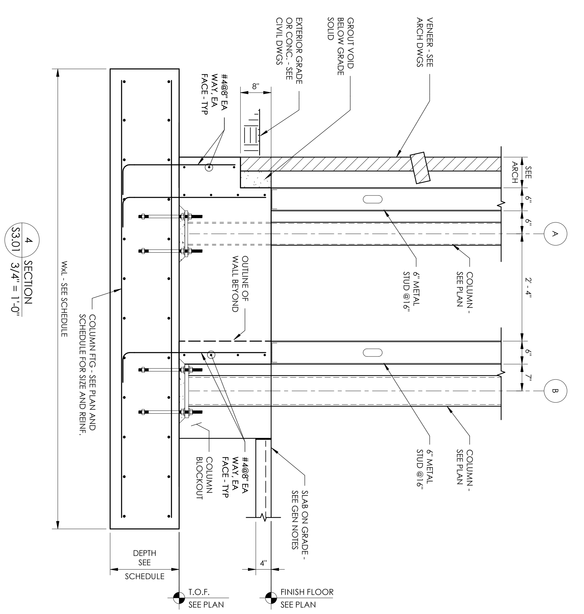
1 S3.01 SECTION 3/4" = 1'-0"



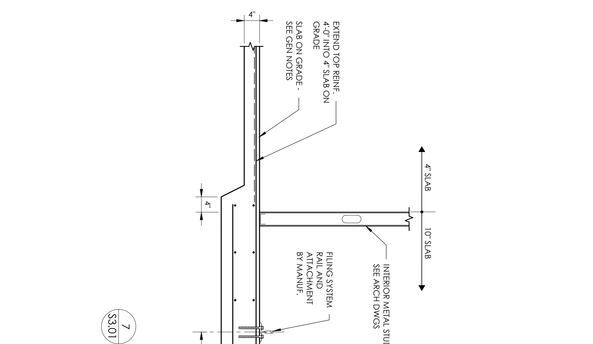
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3 S3.01 SECTION 3/4" = 1'-0"



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



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

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

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

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BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
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SECTIONS

S3.01

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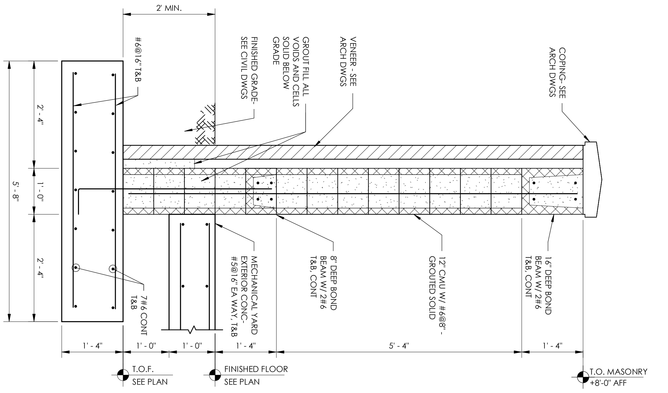
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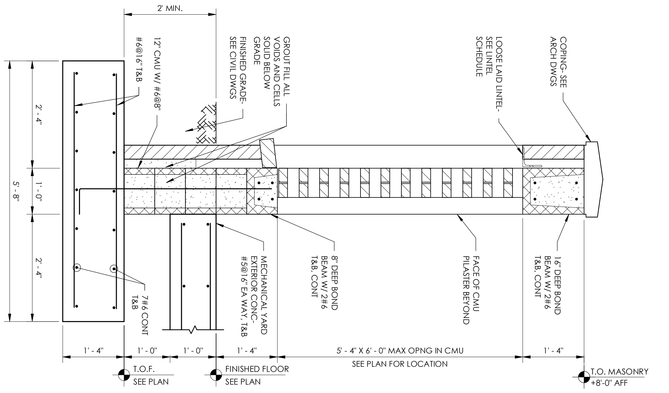
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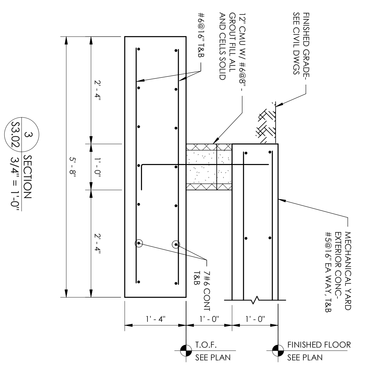


1 S3.02 SECTION 3/4" = 1'-0"



2 S3.02 SECTION 3/4" = 1'-0"

4 S3.02 SECTION 3/4" = 1'-0"



3 S3.02 SECTION 3/4" = 1'-0"

TUCKER JONES
ARCHITECTURE
INTERIORS
3300 CAHABA ROAD, SUITE 310
BIRMINGHAM, ALABAMA 35223
PHONE: 205.979.5666
FAX: 205.979.5686
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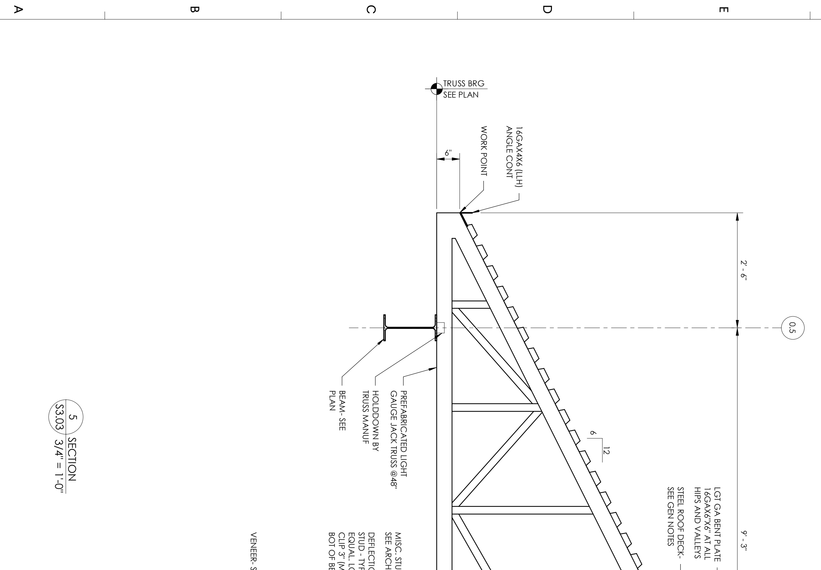
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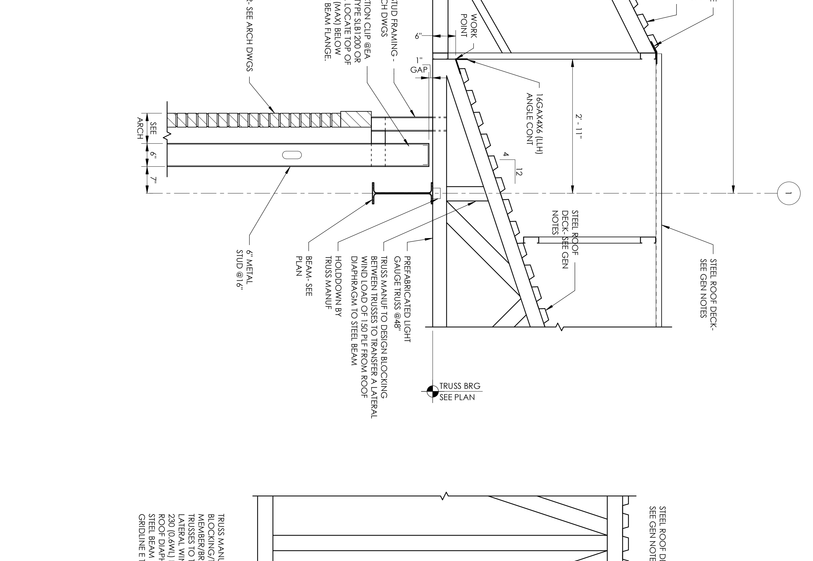
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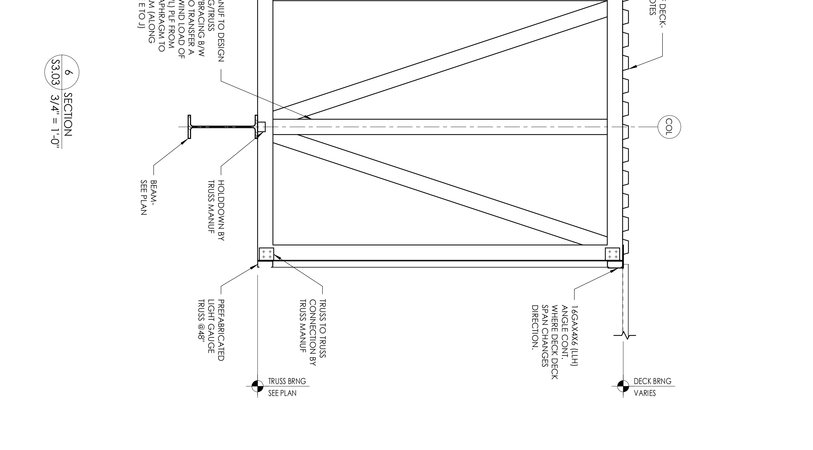
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1 S3.03 SECTION 3/4" = 1'-0"



2 S3.03 SECTION 3/4" = 1'-0"

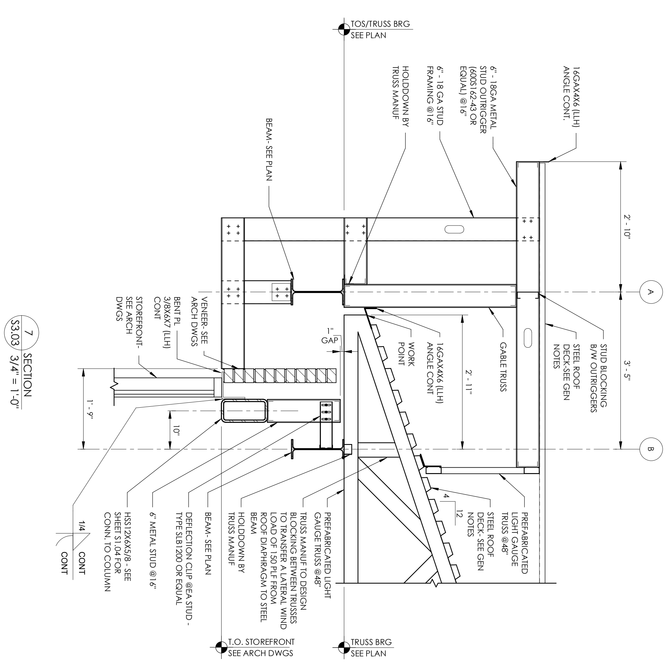


3 S3.03 SECTION 3/4" = 1'-0"

4 S3.03 SECTION 3/4" = 1'-0"

5 S3.03 SECTION 3/4" = 1'-0"

6 S3.03 SECTION 3/4" = 1'-0"



7 S3.03 SECTION 3/4" = 1'-0"

TUCKER-JONES
ARCHITECTURE
3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.979.5666
FAX: 205.979.5668
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SECTIONS

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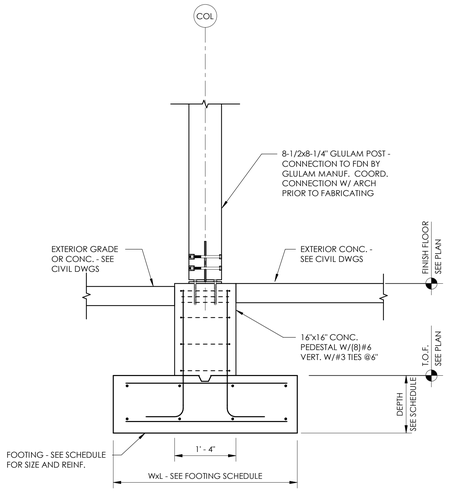
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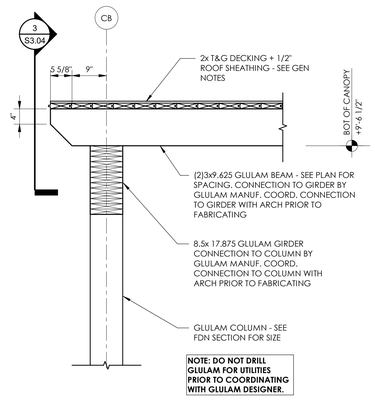
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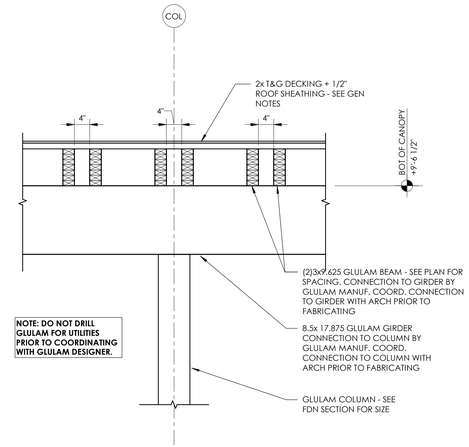
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1 S3.04 SECTION 3/4" = 1'-0"

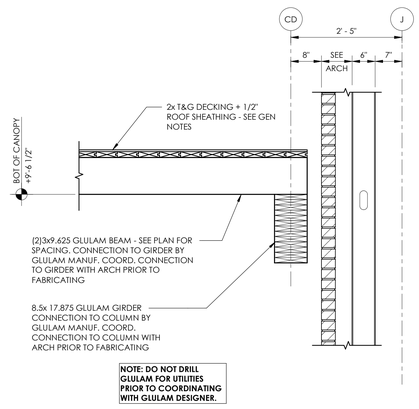


2 S3.04 SECTION 3/4" = 1'-0"



3 S3.04 SECTION 3/4" = 1'-0"

4 S3.04 SECTION 3/4" = 1'-0"



5 S3.04 SECTION 3/4" = 1'-0"

TUCKER-JONES
ARCHITECTS & ASSOCIATES
3300 CAHABA ROAD, SUITE 210
BIRMINGHAM, ALABAMA 35223
PHONE: 205.879.5660
FAX: 205.879.5606
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Dothan, Alabama

GMC # ABHM250019

ALABAMA REGISTERED PROFESSIONAL ENGINEER
No. 31254
CHRISTOPHER S. SHEARER
04/27/2026

SECTIONS

S3.04

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AIR DIRT SEPARATOR SCHEDULE

MARK	SYSTEM	TYPE	MAX FLOW (GPM)	MAX PRESSURE DROP (PSIG)	MAX VELOCITY (FPS)	MINIMUM FLANGE SIZE	ACCESSORIES	BASIS OF DESIGN (ARMSTRONG)
ADS-CH	CHILLED WATER SYSTEM	[A]	270	1.0 PSIG	6 FPS	5"	[1] [2] [3] [4] [5]	DAS-5-R

TYPE:

[A] STANDARD VELOCITY UNIT

NOTE:

1. UNIT SHALL BE ASME RATED (125 PSI)
2. REMOVE 99% DISOLVED OXYGEN AND 100% OF ENTRAINED AIR AFTER 10 PASSES

ACCESSORIES:

[1] BLOW DOWN WITH BRONZE BALL VALVE (STAINLESS STEEL BALL)

[2] SKIM VALVE WITH BRONZE BALL VALVE (STAINLESS STEEL BALL)

[3] STAINLESS STEEL COALESCING MEDIA

[4] HIGH CAPACITY AUTOMATIC AIR VENT

[5] REMOVABLE BOTTOM HEAD

FAN SCHEDULE

MARK	SERVES	LOCATION	TYPE	CFM	E.S.P. IN. W.G.	LIMIT	MOTOR HP	MOTOR V/Ø	ACCESSORIES	INTERLOCK	BASIS OF DESIGN (GREENHECK)
EF-1	SEE PLANS	CORRIDOR	A	3,800	1.76	11.2 SONES	2.0	460/3	[1] [2] [3] [4] [5] [6] [7]	AHU-1/BAS	SQ-15-M2

FAN TYPES:

[A] INLINE, DIRECT DRIVE

FAN ACCESSORIES:

[1] BACKDRAFT DAMPER

[2] FLEXIBLE CONNECTORS

[3] SPRING ISOLATORS

[4] THERMAL OVERLOAD PROTECTION

[5] PREWIRED DISCONNECT SWITCH

[6] ECM MOTOR WITH UNIT MOUNTED CONTROLLER (VARI-GREEN)

[7] ACOUSTICAL HOUSING

ONE LINE PIPE SYMBOLS

HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
CHS	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
D	CONDENSATE DRAIN
	BALL VALVE
	BUTTERFLY VALVE (LEVER HANDLE)
	BUTTERFLY VALVE (GEAR OPERATOR)
	GLOBE VALVE
	CHECK VALVE (SWING CHECK)
	CHECK VALVE (BUTTERFLY CHECK)
	FLOW LIMITING VALVE
	CALIBRATED BALANCING VALVE
	VALVE AT RISER
	STRAINER W/ DRAIN VALVE
	UNION
	AIR TERMINAL / FAN COIL UNIT/HOT WATER RETURN CONTROL VALVE (2-WAY) ELECTRIC OR ELECTRONIC
	AIR TERMINAL / FAN COIL UNIT CONTROL VALVE (3-WAY) ELECTRIC OR ELECTRONIC
	CONTROL VALVE (2-WAY) ELECTRIC OR ELECTRONIC
	CONTROL VALVE (3-WAY) ELECTRIC OR ELECTRONIC

RENOVATION SYMBOLS

	NEW EQUIPMENT
	NEW DUCT
	NEW PIPING

ONE LINE PIPE SYMBOLS

	CONTROL VALVE (3-WAY) ELECTRIC OR ELECTRONIC
	EMERGENCY SHUT-OFF VALVE WITH FUSIBLE LINK
	FLEXIBLE PIPE CONNECTOR
	METAL BELLOWS PUMP CONNECTOR
H	AIR VENT (A - AUTO, H - HAND)
	PRESSURE AND TEMPERATURE TAP
	PRESSURE GAUGE
	PRESSURE GAUGE W/ SIPHON
	THERMOMETER W/ INSERTION WELL
	ANCHOR
	PIPE GUIDE
	FLANGE
	ELBOW, TURNED UP
	ELBOW, TURNED DOWN
	RISE OR DROP IN PIPE
	ELBOW
	TEE, SIDE CONNECTION
	TEE, OUTLET UP
	TEE, OUTLET DOWN
	CAPPED OUTLET
	CAPPED PIPE
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	DIRECTION OF PITCH
TFD	PIPE TO FLOOR DRAIN
EMS	EMERGENCY MANAGEMENT SYSTEM INSERTION WELL

TWO LINE PIPE SYMBOLS

	ELBOW - FLANGED LONG RADIUS 45°
	ELBOW - FLANGED LONG RADIUS 90°
	ELBOW - WELDED LONG RADIUS 45°
	ELBOW - WELDED LONG RADIUS 90°
	END CAP
	FLANGES - SLIP ON
	FLANGES - WELD NECK
	REDUCERS - FLANGED CONCENTRIC
	REDUCERS - FLANGED ECCENTRIC
	REDUCERS - WELDED CONCENTRIC
	REDUCERS - WELDED ECCENTRIC
	TEE - FLANGED
	TEE - WELDED
	BUTTERFLY VALVE - LEVER OPERATOR
	BUTTERFLY VALVE - WORM GEAR OPERATOR
	BUTTERFLY VALVE - ACTUATOR
	CHECK VALVE - SWING CHECK
	CHECK VALVE - SILENT OR WAFER
	GLOBE VALVE
	STRAINER - Y
	STRAINER - BASKET
	SUCTION DIFFUSER
	FLEXIBLE CONNECTORS

DUCTWORK SYMBOLS

T	THERMOSTAT
	THERMOSTAT WIRING
H	HUMIDISTAT
TS	TEMPERATURE SENSOR
FM	GPM FLUID FLOW METER
SA	SUPPLY AIR DUCT
RA	RETURN AIR DUCT
EA	EXHAUST AIR DUCT
CFM	CUBIC FEET PER MINUTE
EMS	ENERGY MANAGEMENT SYSTEM
ATC	AUTOMATIC TEMP CONTROLS
CO2	CARBON DIOXIDE
PPM	PARTS PER MILLION
Ø	ROUND DIAMETER
	FLAT OVAL (MAJOR/MINOR)
	SHORT (1x) RADIUS ELL (RECTANGULAR OR ROUND) CENTERLINE RADIUS = 1d
	LONG (1.5x) RADIUS ELL (ROUND OR OVAL) CENTERLINE RADIUS = 1.5d
	SQUARE ELL
	ELL WITH TURNING VANES
	STREAMLINE TAP (RECTANGULAR)
Ø	STREAMLINE TAP (ROUND)
Ø	CONICAL TAP
	STRAIGHT TAP
	LATERAL TAP
	MANUAL VOLUME DAMPER
M	MOTORIZED VOLUME DAMPER
FD	FIRE DAMPER (FD)
FD	VERTICAL FIRE DAMPER (FD)
S	SMOKE DAMPER
S FD/S	COMBINATION FIRE / SMOKE DAMPER (FD/S)
20/12	RECTANGULAR DUCT (WIDTH/DEPTH)
	ROUND DUCT OFFSET
RISE	CHANGE IN ELEVATION ("R"-RISE, "F"-FALL)
	FLEXIBLE DUCT
	SUPPLY DUCT UP
	RETURN DUCT UP
	EXHAUST DUCT UP
	SUPPLY DUCT DOWN
	RETURN DUCT DOWN
	EXHAUST DUCT DOWN
	CEILING DIFFUSER
	RETURN AIR GRILLE
	EXHAUST AIR GRILLE
AP	ACCESS PANEL
AP	ACCESS PANEL IN ROUND OR OVAL DUCT

AHU SCHEDULE

MARK	SERVES	TYPE	SUPPLY FAN CFM	E.S.P. IN. W.G.	MIN. OSA CFM	MOTOR HP	MOTOR V/Ø	MOTOR FLA	MOTOR MOCP	COOLING COIL CFM	AIR ENT. °Fdb	AIR ENT. °Fwb	AIR LVG. °Fdb	AIR LVG. °Fwb	GPM	EWT (°F)	MAX FACE VEL. (FPM)	# OF ROWS	HEATING COIL CFM	KW	AIR ENT. ° F	AIR LVG. °F	ELEC. V/Ø	ELEC. FLA	MAX FACE VEL. (FPM)	FILTERS	ACCESSORIES	BASIS OF DESIGN (TEMTROL)
AHU-1	OFFICES	I	37,000	3.5	5,500	(6) @ 8 HP EACH	460/3	61	-	37,000	78.0	65.2	49.4	49.4	270.0	44.0	500	8	33,000	168.1	60.0	75.0	153.3	212.0	625	[A]	[1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14] [15] [16] [17] [18]	ITF-DHE78

TYPES:

I: CUSTOM BUILD, VARIABLE VOLUME, HORIZONTAL DRAW THROUGH WITH INTERNAL FAN ISOLATION. DIRECT DRIVE PLENUM FANWALL.

NOTES:

A. SCHEDULED SUPPLY FAN EXTERNAL PRESSURE DOES NOT INCLUDE THE FOLLOWING (AIR PRESSURE DROPS IN, "WG"):
PRE FILTER: ALL UNITS = 1.00" (CHANGEOUT)
FINAL FILTERS: ALL UNITS = 1.50" (CHANGEOUT)

B. MAXIMUM COOLING COIL WATER PRESSURE DROP = 10 FT.

C. MAX COIL FACE VELOCITY = 500FPM.

D. COILS TO BE A MAX FPF = 120, UNLESS REQUIRED NUMBER EXCEEDS 8 ROWS.

E. EXTERNAL STATIC PRESSURE DOES NOT INCLUDE COILS.

F. COOLING CAPACITY BASED ON 44°F ENT. WATER WITH ΔT=12°F

FILTER TYPES: (SEE SPECS.)

[A] 2"-THICK PLEATED MERV 8 (100%) FILTERS - ANGLE FRAME & SIDE ACCESS

GENERAL NOTES:

1. MAXIMUM DISCHARGE AIR TEMP. (LEAVING UNIT) = 54.5°F.
2. MAXIMUM CABINET COMPONENT WIDTH NOT TO EXCEED 6'-0".

ACCESSORIES:

[1] REMOTE VARIABLE FREQUENCY DRIVE (SUPPLY FAN)

[2] 2" DOUBLE-WALL CONSTRUCTION WITH R-20 INSULATION

[3] FLEX CONNECTIONS AT SUPPLY AND RETURN WITH COPPER JUMPERS

[4] DIRECT-DRIVE SUPPLY FANWALL

[5] FAN WALL (EACH FAN CUBE TO HAVE INDEPENDENT BACKDRAFT DAMPER)

[6] COOLING COIL SECTION WITH TYPE 304 S.S. COIL CASING AND S.S. DOUBLE WALL DRAIN PAN

[7] HINGED ACCESS DOORS IN ALL SECTIONS

[8] FAN SECTION TO BE SINGLE-POINT WIRING CONNECTION

[9] PIEZOMETER FAN INLET AFM WITH TRANSMITTER & LCD READOUT (SA)

[10] SERVICE LIGHTS IN ALL ACCESS SECTIONS SHOWN TO BE WIRED TO COMMON SWITCH WITH PILOT LIGHT AT FAN ACCESS DOOR

[11] MIN. 3/8" ALUMINUM TREAD PLATE FLOORING IN ALL ACCESS SECTIONS

[12] COOLING COIL SECTION TO BE PROVIDED WITH UV LIGHT (BY UNIT MFR.)

[13] FAN SECTION ACCESS DOOR SAFETY SWITCH

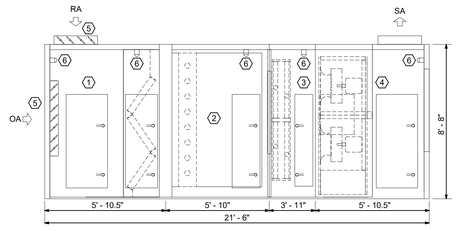
[14] EMERGENCY POWER

[15] FAN WALL MOTOR SAFETY SCREEN

[16] 6" HIGH BASE RAIL (MIN.)

[17] UNIT-MOUNTED RETURN AIR CONTROL DAMPER

[18] UNIT MUST BE ASSEMBLED ON SITE BY MECHANICAL CONTRACTOR. ALL SECTIONS MUST FIT THROUGH A STANDARD 36"-WIDE DOOR



AHU CABINET SECTION DESIGNATION

CABINET/ COMPONENT	DESCRIPTION
1	MIXING SECTION WITH ANGLE FILTER AND ACCESS DOORS
2	ELECTRIC PRE-HEAT COIL SECTION AND ACCESS DOOR
3	CHILLED WATER COOLING COIL SECTION AND ACCESS DOOR
4	DIRECT DRIVE FAN SECTION WITH ACCESS DOOR
5	UNIT-MOUNTED CONTROL DAMPER
6	FACTORY PROVIDED AND INSTALLED MARINE LIGHT

AIR DEVICE LEGEND

MARK	TYPE	LEGEND	RUNOUT	REMARKS	MFG / MODEL
ACD(X) CFM	ARCHITECTURAL SQUARE PLAQUE DIFFUSER	X = ROUND NECK SIZE 4-WAY THROW	ROUND RUNOUT = NECK SIZE		TITUS / OMNI LAY-IN BORDER
E(X) CFM	ALUMINUM CUBE CORE REGISTER (1/2"X1/2"X1/2")	E = EXHAUST R = RETURN T = TRANSFER X = SQUARE NECK SIZE	SEE PLANS	OBD OMIT OBD ON T'S AND UNDUCTED R'S	TITUS / 50F, ALUMINUM BORDER

AIR DEVICE SCHEDULE NOTES:

1. CFM = AIR FLOW (TYPICAL ALL AIR DEVICES).
2. COORDINATE BORDER/FRAME TYPE WITH ARCH REFLECTED CEILING PLAN.
3. DIRECTION ARROWS ON DRAWINGS SHOW FLOW PATTERN.
4. USE SUPPLY DIFFUSERS WITH O.B.D. IN DRYWALL OR INACCESSIBLE CEILINGS.
5. USE SUPPLY DIFFUSERS WITHOUT O.B.D. IN LAY-IN OR ACCESSIBLE CEILINGS.

VARIABLE FREQUENCY DRIVE SCHEDULE

MARK	SERVES	ACCESSORIES	BASIS OF DESIGN
VFD-AHU-1	AHU-1	[1] [2] [3] [4] [5] [6]	ABB

ACCESSORIES:

[1] DISCONNECT SWITCH

[2] BY-PASS THREE CONTACTOR ELECTRO - MECHANICAL

[3] OUTPUT/LOAD SIDE FILTERS IF LENGTH FROM DRIVE TO MOTOR EXCEEDS MANUFACTURER'S ALLOWABLE LENGTH.

[4] NEMA 1 ENCLOSURE

[5] HIGH AMBIENT OPERATION - CONTINUOUS OUTPUT RATING = TO 110% OF MOTOR NAMEPLATE FLA'S

[6] VFD SERVES MULTIPLE MOTORS. SIZE VFD BASED ON SUM OF THE FLA'S OF THE CONNECTED MOTORS. VERIFY MOTOR FLA'S WITH EQUIPMENT MANUFACTURER SUPPLIER

NOTE:

1. VFD TO BE MOUNTED AND WIRED IN FIELD. SEE DWGS FOR LOCATION.
2. VFD SHALL BE SELECTED ONE SIZE LARGER THAN RATED HORSEPOWER.

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

ENFRA ENGINEERING
TME, LLC

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HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

GMC # ABHM250019

ALABAMA LICENSED No. 52167 PROFESSIONAL ENGINEER Kalen Linden April 27, 2026 12-25-0053

SCHEDULES AND LEGEND - HVAC

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AIR COOLED CHILLER SCHEDULE

MARK	TYPE	REFRIGERANT TYPE	TONS	COOLER					AMBIENT (°F)	EFFICIENCY		ACCESSORIES	ELECTRICAL			BASIS OF DESIGN (DAIKIN)
				DESIGN GPM	MIN GPM	LVG °F	MAX. DP (FT)	FOULING		IPLV	EER		V/Ø	MCA	RECOMMENDED FUSE	
CH-1	[A]	R32	134	270	168	44	7.5	0.0001	95	17.88	10.87	[1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14] [15] [16] [17]	460/3	305	350	AGZ008F

TYPES:

[A] SCROLL COMPRESSORS

NOTES:

1. MINIMUM EFFICIENCY AT AHRI 550/590 CONDITIONS.
2. FLUID TYPE IS WATER.
3. PROVIDE MINIMUM OF 4-STEPS UNLOADING.
4. PROVIDE INLET STRAINER WITH GROOVED FITTINGS FOR CHILLERS WITH PLATE AND FRAME EVAPORATORS.
5. COOLING CAPACITY BASED ON $\Delta T = 12^{\circ}F$.
6. MAX ΔP INCLUDES STRAINER.

ACCESSORIES:

[1] UNIT-MOUNTED HIGH FAULT CIRCUIT BREAKER WITH SCCR OF 65,000 (UL-RATED)

[2] CONDENSER COIL GUARD

[3] ARCHITECTURAL LOUVERED PANELS

[4] CONTROL POWER TRANSFORMER

[5] LOW-AMBIENT CONTROL TO 0°F

[6] EVAPORATOR AND HYDRONIC PACKAGE FREEZE PROTECTION WITH SEPARATE 20 AMP, 115V/1 PH POWER CONNECTION

[7] ACROSS-THE-LINE STARTER

[8] SINGLE-POINT POWER CONNECTION

[9] SUCTION AND DISCHARGE SERVICE VALVES

[10] FACTORY-INSTALLED FLOW SWITCH

[11] MAX SCHEDULED SOUND VALUES (MAX SOUND POWER = 95 dBA; MAX SOUND PRESSURE = 68 dBA) AT 30 FEET IN FREE FIELD

[12] ELASTOMERIC ISOLATORS

[13] SOUND PACKAGE: COMPRESSOR BLANKETS & LOW SOUND CONDENSER FANS

[14] PHASE REVERSAL PROTECTION

[15] WARRANTY: 5-YEAR ENTIRE UNIT; PARTS, LABOR, AND REFRIGERANT

[16] BACNET COMMUNICATIONS CARD - COORDINATE REQUIREMENT WITH BAS CONTRACTOR

[17] FACTORY-MOUNTED VARIABLE-SPEED DUAL PUMP PACKAGE. PACKAGE INCLUDES DUAL HIGH HEAD 15.0 HP PUMPS AT 125 FT. HD., STRAINER, EXPANSION TANK, AND VARIABLE SPEED DRIVE WITH CONTROL PANEL; ALL FACTORY-WIRED.

MINI SPLIT SYSTEM UNIT SCHEDULE - COOLING ONLY

INDOOR UNIT MARK	OUTDOOR UNIT MARK	SERVES	TYPE	SUPPLY FAN CFM	COOLING CAPACITY				ACCESSORIES	NOMINAL TONS	ELECTRICAL					BASIS OF DESIGN (MITSUBISHI) (INDOOR / OUTDOOR)
					SENSIBLE MBH	TOTAL MBH	ENT. AIR				INDOOR UNIT		OUTDOOR UNIT			
							°Fdb	°Fwb			FLA	VOLT V/Ø	MCA	MOCP	VOLT V/Ø	
DS-1	DSHP-1	IDF 1060	[A]	455	13.1	18.0	80.0	67.0	[1] [2] [3]	1.5	0.19	208/1	11	30	208/1	PKA-A18LA / PUY-A18NKA7
DS-2	DSHP-2	EL 1062	[A]	455	13.1	18.0	80.0	67.0	[1] [2] [3]	1.5	0.19	208/1	11	30	208/1	PKA-A18LA / PUY-A18NKA7
DS-3	DSHP-3	ELEC 1073	[A]	455	13.1	18.0	80.0	67.0	[1] [2] [3]	1.5	0.19	208/1	11	30	208/1	PKA-A18LA / PUY-A18NKA7
DS-4	DSHP-4	SERVER 1205	[A]	455	13.1	18.0	80.0	67.0	[1] [2] [3]	1.5	0.19	208/1	11	30	208/1	PKA-A18LA / PUY-A18NKA7
DS-5	DSHP-5	ELEC 1102	[A]	455	13.1	18.0	80.0	67.0	[1] [2] [3]	1.5	0.19	208/1	11	30	208/1	PKA-A18LA / PUY-A18NKA7
DS-6	DSHP-6	IDF 1132	[A]	455	13.1	18.0	80.0	67.0	[1] [2] [3]	1.5	0.19	208/1	11	30	208/1	PKA-A18LA / PUY-A18NKA7

TYPE:

[A] WALL MOUNTED (PKA TYPE)

NOTES:

A. CAPACITIES ARE MINIMUM NET CAPACITIES

B. COOLING: CAPACITY RATED AT 95°F AMBIENT.

C. INDOOR UNITS RECEIVE POWER FROM OUTDOOR UNITS THROUGH FIELD SUPPLIED INTERCONNECTING WIRING.

D. MINIMUM SEER = 14.0 AT AHRI 210/240 CONDITIONS

E. DO NOT EXCEED MANUFACTURER'S RECOMMENDED REFRIGERANT PIPING LENGTH.

ACCESSORIES:

[1] MICROPROCESSOR BASED CONTROLS W/ HARDWIRED REMOTE CONTROLLER

[2] WASHABLE FILTER

[3] WIND BAFFLE FOR LOW AMBIENT COOLING TO 0 DEGREE F.

EXPANSION TANK SCHEDULE

MARK	SYSTEM	TYPE	FILL PRESSURE (PSIG)	MINIMUM ACCEPTANCE VOL. (GALLONS)	MINIMUM TANK VOL. (GALLONS)	ACCESSORIES	BASIS OF DESIGN (TACO)
ET-CH	CHILLED WATER	[A]	12	23	23	[1]	CA90

TYPES:

[A] VERTICAL, BLADDER

ACCESSORIES:

[1] REMOVABLE BLADDER

ELECTRIC HEATER SCHEDULE

MARK	SERVES	TYPE	CAPACITY	ELECTRICAL V/Ø	ACCESSORIES	REMARKS	BASIS OF DESIGN (MARKEL)
EWH-1	FR 1043	A	500 W	120/1	[1] [3]	SURFACE MOUNTED	RPH2-5A
ECH-1	VESTIBULE 1000	B	3.0 kW	208/1	[2] [3] [4]	CEILING RECESSED	3480

TYPES:

A. EWH - ELECTRIC WALL HEATER

B. ECH - ELECTRIC CEILING HEATER

ACCESSORIES:

[1] UNIT-MOUNTED THERMOSTAT (EXPOSED KNOB)

[2] WALL-MOUNTED LOW-VOLTAGE THERMOSTAT IN METAL LOCKING COVER

[3] UNIT-MOUNTED DISCONNECT SWITCH

[4] STANDARD RADIAL DIFFUSER

CONDENSATE PUMP

CP-1: VERTICAL-TYPE PUMP WITH LEAKPROOF, RUSTPROOF, 1/2 GALLON TANK WITH BUILT-IN WALL MOUNT TABS, STAINLESS STEEL MOTOR SHAFT, SNAP-ACTION SWITCH, 6FT. POWER CORD 3-CONDUCTOR CABLE WITH 3-PRONG PLUG, THERMAL OVERLOAD PROTECTION, CHECK VALVE, 3/8" BRASS COMPRESSION DISCHARGE CONNECTION, AND SAFETY SWITCH WITH 5-INCH LEAD WIRES. U.L. LISTED.

MAXIMUM WATER TEMPERATURE = 140 DEGREE F.
SUITABLE FOR USE WITH GAS-FIRED CONDENSING FURNACE.

PERFORMANCE: 55 GPH AT 9' HEAD. MAX. CUTOFF 20' HEAD.

ELECTRICAL: 1/30 HP; 115 VAC, 60 Hz.

EQUAL TO LITTLE GIANT VCMA-20ULS

NOTE:

INTERLOCK CONDENSATE PUMP WITH INDOOR UNIT. INDOOR UNIT TO SHUT OFF IN THE EVENT THE SAFETY SWITCH DETECTS A FAULT.

LOUVER SCHEDULE

MARK	TYPE	WIDTH	HEIGHT	DEPTH	ACCESSORIES	FINISH	BASIS OF DESIGN (GREENHECK)
L-1	A	96"	22"	6"	[1] [2] [3]	A	ESD-603
L-2	A	96"	22"	6"	[1] [2] [3]	A	ESD-603
L-3	A	96"	22"	6"	[1] [2] [3]	A	ESD-603
L-4	A	96"	22"	6"	[1] [2] [3]	A	ESD-603
L-5	A	96"	22"	6"	[1] [2] [3]	A	ESD-603
L-6	A	96"	22"	6"	[1] [2] [3]	A	ESD-603
L-7	A	96"	22"	6"	[1] [2] [3]	A	ESD-603
L-8	A	96"	22"	6"	[1] [2] [3]	A	ESD-603
L-9	A	96"	22"	6"	[1] [2] [3]	A	ESD-603
L-10	A	96"	22"	6"	[1] [2] [3]	A	ESD-603
L-11	A	96"	22"	6"	[1] [2] [3]	A	ESD-603
L-12	A	96"	22"	6"	[1] [2] [3]	A	ESD-603
L-13	A	96"	22"	6"	[1] [2] [3]	A	ESD-603
L-14	A	96"	22"	6"	[1] [2] [3]	A	ESD-603

TYPES:

[A] FIXED BLADE LOUVER (ESD-603)

FINISH:

A. KYNAR 500-3 COAT

ACCESSORIES:

[1] FORMED ALUMINUM EXTENDED SILL

[2] CHANNEL FRAME

[3] BIRDSCREEN, ALUMINUM

NOTES:

1. ALUMINUM ALL-WELDED CONSTRUCTION.
2. COLOR SELECTED BY ARCHITECT FROM FACTORY STANDARD COLORS.
3. OTHER ACCEPTABLE MANUFACTURERS: RUSKIN, AIROLITE.

CHILLED WATER BUFFER TANK

BT-CW:
VERTICAL CHILLED WATER BUFFER TANK: 120-GALLON CAPACITY, CARBON STEEL BUILT TO ASME CODE SECTION VIII. (125 PSIG) PROVIDE TANK WITH AIR VENT, DRAIN, 4" FLANGED INLET, 4" FLANGED OUTLET CONNECTION, AND DIVIDER PLATE. PROVIDE HIGH-CAPACITY AUTOMATIC AIR VENT, 3/4" TAP FOR THERMOWELL, PAINTED JACKET, AND ASME RELIEF VALVE (100 PSI).

APPROXIMATE DIMENSIONS: 24"Ø X 60" TALL

BASIS OF DESIGN: ELBI #CWT-120

AIR TERMINAL UNIT SCHEDULE - ELECTRIC

MARK	TYPE	ROUND INLET	AIR FLOW (CFM)			ELECTRIC HEAT		
			COOL MAX.	BOX MIN.	HTG. MAX CFM	KW	STAGES	ELECTRICAL V/Ø
TU1-1	VVR	10	730	230	550	7	SCR	277/1
TU1-2	VVR	10	740	230	555	7	SCR	277/1
TU1-3	VVR	8	530	185	400	5	SCR	277/1
TU1-4	VVR	8	580	205	430	5	SCR	277/1
TU1-5	VVR	10	720	230	500	6	SCR	277/1
TU1-6	VVR	10	650	230	490	6.5	SCR	277/1
TU1-7	VVR	10	860	300	645	8.5	SCR	460/3
TU1-8	VVR	10	910	320	680	9	SCR	460/3
TU1-9	VVR	12	1200	420	900	11.5	SCR	460/3
TU1-10	VVR	10	910	320	680	9	SCR	460/3
TU1-11	VVR	10	810	285	610	8	SCR	277/1
TU1-12	VVR	10	760	270	570	7.5	SCR	277/1
TU1-13	VVR	10	800	280	600	8	SCR	277/1
TU1-14	VVR	8	500	175	375	5	SCR	277/1
TU1-15	VVR	10	810	285	610	8	SCR	277/1
TU1-16	VVR	12	1690	590	1270	17	SCR	460/3
TU1-17	VVR	12	1300	455	975	13	SCR	460/3
TU1-18	VVR	8	500	175	375	5	SCR	277/1
TU1-19	VVR	10	925	325	695	9	SCR	460/3
TU1-20	VVR	8	550	195	410	5.5	SCR	277/1
TU1-21	VVR	14	1900	665	1425	18	SCR	460/3
TU1-22	VVR	10	900	315	675	11.5	SCR	460/3
TU1-23	VVR	8	600	210	450	6	SCR	277/1
TU1-24	VVR	10	680	240	510	6.5	SCR	277/1
TU1-25	VVR	10	915	320	690	9	SCR	460/3
TU1-26	VVR	10	610	215	460	6	SCR	277/1
TU1-27	VVR	10	960	335	720	9.5	SCR	460/3
TU1-28	VVR	8	430	150	325	4.5	SCR	277/1
TU1-29	VVR	10	840	295	630	8	SCR	277/1
TU1-30	VVR	8	550	195	415	5.5	SCR	277/1
TU1-31	VVR	10	740	260	555	7	SCR	277/1
TU1-32	VVR	10	715	250	535	7	SCR	277/1
TU1-33	VVR	8	455	160	340	4.5	SCR	277/1
TU1-34	VVR	10	675	235	500	6.5	SCR	277/1
TU1-35	VVR	10	1010	355	760	10	SCR	460/3
TU1-36	VVR	10	760	270	570	7.5	SCR	277/1
TU1-37	VVR	10	910	320	680	9	SCR	460/3
TU1-38	VVR	10	960	335	720	9.5	SCR	460/3
TU1-39	VVR	10	810	285	610	8	SCR	277/1
TU1-40	VVR	10	800	280	600	8	SCR	277/1
TU1-41	VVR	8	300	145	225	6	SCR	277/1
TU1-42	VVR	10	1000	350	750	9.5	SCR	460/3
TU1-43	VVR	10	1000	350	750	9.5	SCR	460/3
TU1-44	VVR	10	1000	350	750	9.5	SCR	460/3
TU1-45	VVR	10	1000	350	750	9.5	SCR	460/3

LEGEND:

SINGLE DUCT TERMINAL UNITS:
VVR = VARIABLE VOLUME REHEAT

NOTES:

1. ENTERING AIR = 55°F
2. ALL BOXES CLOSED CELL (FIBER FREE) LINING.
3. PROVIDE ACCESS DOOR FOR MAINTENANCE.
4. ROUND RUNOUT EQUALS NECK SIZE U.N.O. ON PLANS.
5. HEATING MBH IS AT MAXIMUM HEATING AIR FLOW.
6. BASIS OF DESIGN: TITUS ESV FOR SINGLE DUCT UNITS.
7. ALL BOXES SHALL BE UL LISTED AND LABELED.

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

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HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA
GMC # ABHM250019

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 52167
KELLEN M. TIMMONS
April 27, 2026
12-25-0053

SCHEDULES - HVAC

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OSA CALCULATIONS PER IMC 2021 & ASHRAE 62.1- 2016 (AHU-1)

ZONE IDENTIFICATION			ASHRAE STANDARD 62.1-2016 VENTILATION RATE PROCEDURE								DESIGN CASE			
TERMINAL UNIT	ROOM NAME/ NUMBER	OCCUPANCY CATEGORY	AREA [ft2]	PEOPLE OUTDOOR RATE Rp [CFM/Person]	AREA OUTDOOR RATE Ra [CFM/ft2]	# OCCUPANTS	Rp* OCCUPANTS [CFM]	AREA*Ra [CFM]	BREATHING ZONE OUTDOOR AIRFLOW Vbz [CFM]	Table 6-2 Zone Air Distribution Effectiveness Ez	ZONE EFFECTIVENESS Ez	ZONE OUTDOOR AIRFLOW Voz [CFM]	MIN. ZONE PRIMARY AIRFLOW Vpz [CFM]	ZONE PRIMARY OUTDOOR AIR FRACTION Zp
TU1-1	OFFICE 1047	Office space	175	5	0.06	1	4.5	11	15	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	19	104	0.18
	OFFICE 1046	Office space	175	5	0.06	1	4.5	11	15	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	19	63	0.30
	OFFICE 1044	Office space	160	5	0.06	1	4	10	14	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	17	63	0.27
TU1-2	OFFICE 1049	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	50	0.22
	OFFICE 1051	Office space	110	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	50	0.24
	OFFICE 1053	Office space	110	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	50	0.24
	OFFICE 1055	Office space	110	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	50	0.24
	CORRIDOR	Corridors	200	0	0.06	0	0	12	12	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	15	31	0.48
TU1-3	OFFICE 1056	Office space	175	5	0.06	1	4.5	11	15	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	19	115	0.16
	OFFICE 1057	Office space	180	5	0.06	1	4.5	11	15	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	19	70	0.27
TU1-4	OFFICE 1048	Office space	110	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	39	0.31
	OFFICE 1050	Office space	110	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	39	0.31
	OFFICE 1052	Office space	110	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	39	0.31
	CORRIDOR	Corridors	80	0	0.06	0	0	5	5	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	6	44	0.14
	CORRIDOR	Corridors	80	0	0.06	0	0	5	5	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	6	44	0.14
TU1-5	OFFICE 1045	Office space	125	5	0.06	1	3	8	11	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	13	35	0.37
	OFFICE 1058	Office space	120	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	13	35	0.36
	CENTRAL SUPPLY 1042	Office space	290	5	0.06	2	7.5	17	25	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	31	80	0.39
	CAR SEAT STOR 1061	Storage rooms (non occupiable)	135	0	0	0	0	0	0	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	0	24	0.00
TU1-6	MEETING 1063	Conference / meeting	465	5	0.06	11	55	28	83	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	104	230	0.45
TU1-7	OFFICE 1038	Office space	160	5	0.06	1	4	10	14	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	17	70	0.24
	OFFICE 1037	Office space	110	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	56	0.22
	OFFICE 1036	Office space	160	5	0.06	1	4	10	14	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	17	70	0.24
	OFFICE 1020	Office space	160	5	0.06	1	4	10	14	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	17	70	0.24
	CORRIDOR	Corridors	95	0	0.06	0	0	6	6	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	7	35	0.20
TU1-8	OFFICE 1039	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1040	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1041	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1035	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1033	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1031	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	CORRIDOR	Corridors	225	0	0.06	0	0	14	14	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	17	44	0.38
	CORRIDOR	Corridors	220	0	0.06	0	0	13	13	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	16	44	0.38
TU1-9	FAMILY VISIT I 1066	Office space	290	5	0.06	2	7.5	17	25	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	31	88	0.36
	OBSERVATION 1067	Office space	150	5	0.06	1	4	9	13	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	16	49	0.33
	FAMILY VISIT II 1068	Office space	295	5	0.06	2	7.5	18	25	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	31	88	0.36
	WORKROOM 1069	Office space	170	5	0.06	1	4.5	10	15	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	18	46	0.40
	FAMILY VISIT III 1070	Office space	350	5	0.06	2	9	21	30	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	38	98	0.38
	CORRIDOR	Corridors	275	0	0.06	0	0	17	17	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	21	35	0.59
TU1-10	OFFICE 1034	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1032	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1030	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1021	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1023	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1025	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	CORRIDOR	Corridors	285	0	0.06	0	0	17	17	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	21	44	0.49
	CORRIDOR	Corridors	285	0	0.06	0	0	17	17	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	21	44	0.49
TU1-11	OFFICE 1019	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	56	0.22
	OFFICE 1018	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	56	0.22
	OFFICE 1017	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	56	0.22
	OFFICE 1016	Office space	190	5	0.06	1	5	11	16	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	20	116	0.18
TU1-12	OFFICE 1022	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	33	0.33
	OFFICE 1024	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	33	0.33
	OFFICE 1026	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	33	0.33
	OFFICE 1014	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	33	0.33
	OFFICE 1012	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	33	0.33
	OFFICE 1010	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	33	0.33
TU1-13	OFFICE 1015	Office space	110	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	70	0.17
	OFFICE 1013	Office space	110	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	70	0.17
	OFFICE 1011	Office space	110	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	70	0.17
	OFFICE 1009	Office space	110	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	70	0.17
TU1-14	OFFICE 1029	Office space	90	5	0.06	1	2.5	5	8	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	10	35	0.28
	OFFICE 1028	Office space	90	5	0.06	1	2.5	5	8	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	10	35	0.28
	OFFICE 1027	Office space	90	5	0.06	1	2.5	5	8	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	10	35	0.28
	WORKROOM 1007	Office space	120	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	13	35	0.36
	CORRIDOR	Corridors	210	0	0.06	0	0	13	13	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	16	35	0.45
TU1-15	OFFICE 1008	Office space	175	5	0.06	1	4.5	11	15	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	19	116	0.16
	OFFICE 1006	Office space	140	5	0.06	1	3.5	8	12	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	15	63	0.23
	OFFICE 1005	Office space	220	5	0.06	1	5.5	13	19	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	23	106	0.22

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HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

GMC # ABHM250019

ALABAMA LICENSED No. 52167 PROFESSIONAL ENGINEER Kaleb Thrasher
April 27, 2026
KALEB L.M. THRASHER 12-25-0053

OSA SCHEDULES - HVAC

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OSA CALCULATIONS PER IMC 2021 & ASHRAE 62.1- 2019 (AHU-1)

ZONE IDENTIFICATION			ASHRAE STANDARD 62.1-2019 VENTILATION RATE PROCEDURE								DESIGN CASE			
TERMINAL UNIT	ROOM NAME/ NUMBER	OCCUPANCY CATEGORY	AREA [ft2]	PEOPLE OUTDOOR RATE Rp [CFM/Person]	AREA OUTDOOR RATE Ra [CFM/ft2]	# OCCUPANTS	Rp* OCCUPANTS [CFM]	AREA*Ra [CFM]	BREATHING ZONE OUTDOOR AIRFLOW Vbz [CFM]	Table 6-2 Zone Air Distribution Effectiveness Ez	ZONE EFFECTIVENESS Ez	ZONE OUTDOOR AIRFLOW Voz [CFM]	MIN. ZONE PRIMARY AIRFLOW Vpz [CFM]	ZONE PRIMARY OUTDOOR AIR FRACTION Zp
TU1-16	ILP STOR 1064	Storage Rooms	70	0	0.12	0	0	8	8	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	17	0.60
	BREAK 1100	Office space	1020	5	0.06	32	160	61	221	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	276	468	0.59
TU1-17	CENTRAL FILE 1206	Office space	1575	5	0.06	1	5	95	100	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	124	385	0.32
	CH FILE 1207	Office space	65	5	0.06	0	1.5	4	5	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	7	18	0.39
	CS / CAN FILE 1208	Office space	230	5	0.06	1	6	14	20	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	25	53	0.47
TU1-18	STOR 1004	Storage Rooms	65	0	0.12	0	0	8	8	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	10	26	0.37
	CORRIDOR 1002	Corridors	225	0	0.06	0	0	14	14	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	17	35	0.48
	CORRIDOR	Corridors	140	0	0.06	0	0	8	8	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	35	0.30
TU1-19	MAIL 1202	Storage Rooms	255	0	0.12	0	0	31	31	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	38	70	0.54
	CLERICAL / MAIL 1200	Office space	260	5	0.06	1	6.5	16	22	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	28	70	0.39
	CS 1201	Office space	125	5	0.06	1	3	8	11	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	13	35	0.37
	OFFICE 1191	Office space	190	5	0.06	1	5	11	16	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	20	61	0.33
	OFFICE 1196	Office space	170	5	0.06	1	4.5	10	15	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	18	53	0.35
TU1-20	MEETING 1189	Conference / meeting	435	5	0.06	12	60	26	86	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	108	184	0.58
	CORRIDOR	Corridors	155	0	0.06	0	0	9	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	35	0.33
TU1-21	TRAINING 1003	Auditorium seating area	1030	5	0.06	70	350	62	412	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	515	815	0.63
TU1-22	LOBBY 1001	Office space	1015	5	0.06	15	75	61	136	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	170	315	0.54
	VESTIBULE 1000	Corridors	130	0	0.06	0	0	8	8	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	10	105	0.09
TU1-23	ISP MEETING 1197	Conference / meeting	395	5	0.06	10	50	24	74	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	92	210	0.44
TU1-24	BOARD 1101	Conference / meeting	535	5	0.06	14	70	32	102	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	128	230	0.55
TU1-25	STOR 1103	Storage rooms (non occupiable)	45	0	0	0	0	0	0	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	0	10	0.00
	STOR 1105	Storage rooms (non occupiable)	45	0	0	0	0	0	0	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	0	10	0.00
	OFFICE 1104	Office space	160	5	0.06	1	4	10	14	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	17	49	0.35
	OFFICE 1159	Office space	140	5	0.06	1	3.5	8	12	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	15	42	0.35
	WORKROOM 1160	Office space	120	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	13	42	0.30
	CORRIDOR	Corridors	200	0	0.06	0	0	12	12	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	15	35	0.43
TU1-26	DIR OFFICE 1106	Office space	385	5	0.06	2	9.5	23	33	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	41	207	0.20
	STOR 1107	Storage Rooms	45	0	0.12	0	0	5	5	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	7	11	0.60
TU1-27	OFFICE 1188	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	38	0.32
	OFFICE 1187	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	38	0.32
	OFFICE 1190	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	38	0.32
	OFFICE 1185	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	38	0.32
	OFFICE 1192	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	38	0.32
	OFFICE 1183	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	38	0.32
	CORRIDOR	Corridors	265	0	0.06	0	0	16	16	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	20	35	0.57
	CORRIDOR	Corridors	245	0	0.06	0	0	15	15	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	18	35	0.53
TU1-28	OFFICE 1186	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	37	0.33
	OFFICE 1184	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	37	0.33
	OFFICE 1182	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	37	0.33
	WORKROOM 1181	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	34	0.33
TU1-29	OFFICE 1195	Office space	250	5	0.06	1	6.5	15	22	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	27	123	0.22
	OFFICE 1194	Office space	135	5	0.06	1	3.5	8	12	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	14	61	0.24
	OFFICE 1180	Office space	180	5	0.06	1	4.5	11	15	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	19	111	0.17
TU1-30	OFFICE 1120	Office space	175	5	0.06	1	4.5	11	15	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	19	117	0.16
	OFFICE 1119	Office space	180	5	0.06	1	4.5	11	15	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	19	78	0.25
TU1-31	OFFICE 1121	Office space	110	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	50	0.24
	OFFICE 1123	Office space	110	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	50	0.24
	OFFICE 1125	Office space	110	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	50	0.24
	OFFICE 1127	Office space	110	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	50	0.24
	CORRIDOR	Corridors	195	0	0.06	0	0	12	12	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	15	31	0.47
TU1-32	OFFICE 1128	Office space	200	5	0.06	1	5	12	17	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	21	106	0.20
	OFFICE 1129	Office space	180	5	0.06	1	4.5	11	15	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	19	64	0.30
	OFFICE 1131	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	60	0.21
TU1-33	OFFICE 1122	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	35	0.35
	OFFICE 1124	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	35	0.35
	OFFICE 1126	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	35	0.35
	CORRIDOR	Corridors	115	0	0.06	0	0	7	7	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	9	40	0.22
TU1-34	OFFICE 1118	Office space	125	5	0.06	1	3	8	11	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	13	37	0.35
	OFFICE 1130	Office space	125	5	0.06	1	3	8	11	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	13	37	0.35
	OFFICE 1111	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	37	0.33
	OFFICE 1113	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	37	0.33
	OFFICE 1115	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	37	0.33
	CORRIDOR	Corridors	135	0	0.06	0	0	8	8	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	10	43	0.24

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HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

GMC # ABHM250019

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OSA SCHEDULES - HVAC

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OSA CALCULATIONS PER IMC 2021 & ASHRAE 62.1- 2019 (AHU-1)

ZONE IDENTIFICATION			ASHRAE STANDARD 62.1-2019 VENTILATION RATE PROCEDURE								DESIGN CASE			
TERMINAL UNIT	ROOM NAME/ NUMBER	OCCUPANCY CATEGORY	AREA [ft2]	PEOPLE OUTDOOR RATE Rp [CFM/Person]	AREA OUTDOOR RATE Ra [CFM/ft2]	# OCCUPANTS	Rp* OCCUPANTS [CFM]	AREA*Ra [CFM]	BREATHING ZONE OUTDOOR AIRFLOW Vbz [CFM]	Table 6-2 Zone Air Distribution Effectiveness Ez	ZONE EFFECTIVENESS Ez	ZONE OUTDOOR AIRFLOW Voz [CFM]	MIN. ZONE PRIMARY AIRFLOW Vpz [CFM]	ZONE PRIMARY OUTDOOR AIR FRACTION Zp
TU1-35	OFFICE 1112	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1114	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1116	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1157	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1155	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1153	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	CORRIDOR	Corridors	100	0	0.06	0	0	6	6	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	8	35	0.21
	CORRIDOR	Corridors	125	0	0.06	0	0	8	8	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	9	44	0.21
	CORRIDOR	Corridors	125	0	0.06	0	0	8	8	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	9	44	0.21
TU1-36	OFFICE 1151	Office space	160	5	0.06	1	4	10	14	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	17	61	0.28
	OFFICE 1152	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	48	0.26
	OFFICE 1161	Office space	160	5	0.06	1	4	10	14	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	17	61	0.28
	OFFICE 1162	Office space	160	5	0.06	1	4	10	14	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	17	61	0.28
TU1-37	OFFICE 1158	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1156	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1154	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1167	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1165	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	OFFICE 1163	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	39	0.28
	CORRIDOR	Corridors	210	0	0.06	0	0	13	13	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	16	44	0.36
	CORRIDOR	Corridors	225	0	0.06	0	0	14	14	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	17	44	0.38
TU1-38	OFFICE 1168	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	38	0.29
	OFFICE 1166	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	38	0.29
	OFFICE 1164	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	38	0.29
	OFFICE 1178	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	38	0.29
	OFFICE 1176	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	38	0.29
	OFFICE 1174	Office space	105	5	0.06	1	2.5	6	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	38	0.29
	CORRIDOR	Corridors	170	0	0.06	0	0	10	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	13	35	0.37
	CORRIDOR	Corridors	150	0	0.06	0	0	9	9	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	11	35	0.32
	CORRIDOR	Corridors	230	0	0.06	0	0	14	14	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	17	35	0.49
TU1-39	OFFICE 1169	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	56	0.22
	OFFICE 1170	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	56	0.22
	OFFICE 1171	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	56	0.22
	OFFICE 1172	Office space	190	5	0.06	1	5	11	16	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	20	116	0.18
TU1-40	OFFICE 1179	Office space	110	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	70	0.17
	OFFICE 1177	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	70	0.18
	OFFICE 1175	Office space	115	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	70	0.18
	OFFICE 1173	Office space	110	5	0.06	1	3	7	10	Ceiling Supply of Warm Air 15°F or more above space temperature and Ceiling Return	0.8	12	70	0.17

Total Population ∑Pz	251
System Population Ps	251
Diversity Ps/∑Pz	1

UNCORRECTED OUTDOOR AIR INTAKE Vou	3027
MAXIMUM Zp	0.63

TOTAL OSA REQUIRED Vot	***4708***
TOTAL S/A BY UNIT AT CONDITION ANALYZED	11025

OSA DESIGN CONDITION	**HEATING**
TOTAL OSA REQUIRED	**4708**
TOTAL OSA PROVIDED BY UNIT	**4800**

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DOTHAN, ALABAMA

GMC # ABHM250019

ALABAMA LICENSED No. 52167 PROFESSIONAL ENGINEER Kalan Kessler April 27, 2026 KALAN L.M. TESSLER 12-25-0053

OSA SCHEDULES - HVAC

M0.05

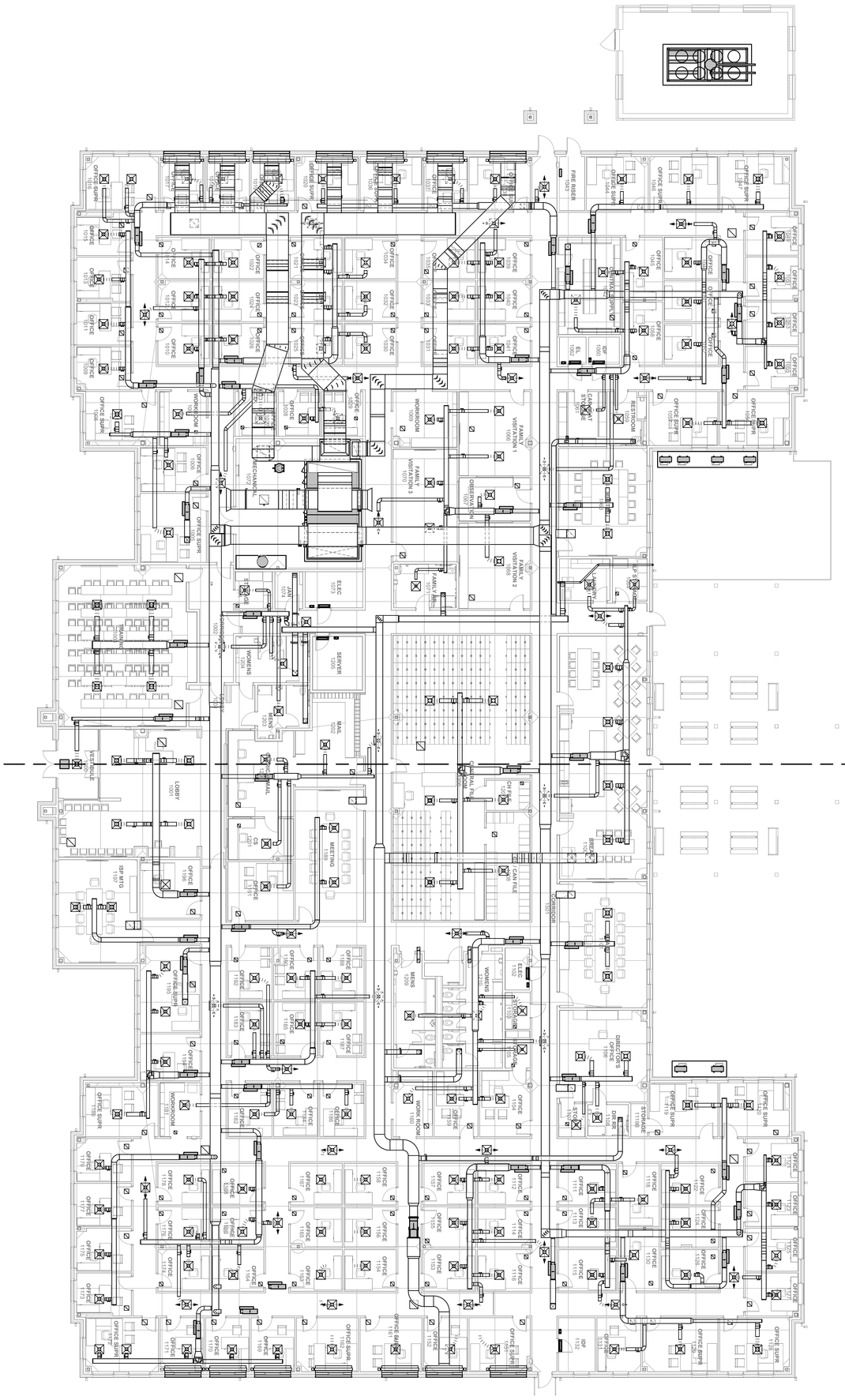
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1 OVERALL FLOOR PLAN - LEVEL 1 - HVAC DUCTWORK

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

TRUE NORTH



OVERALL FLOOR PLAN LEVEL 1 - HVAC DUCTWORK

M1.00

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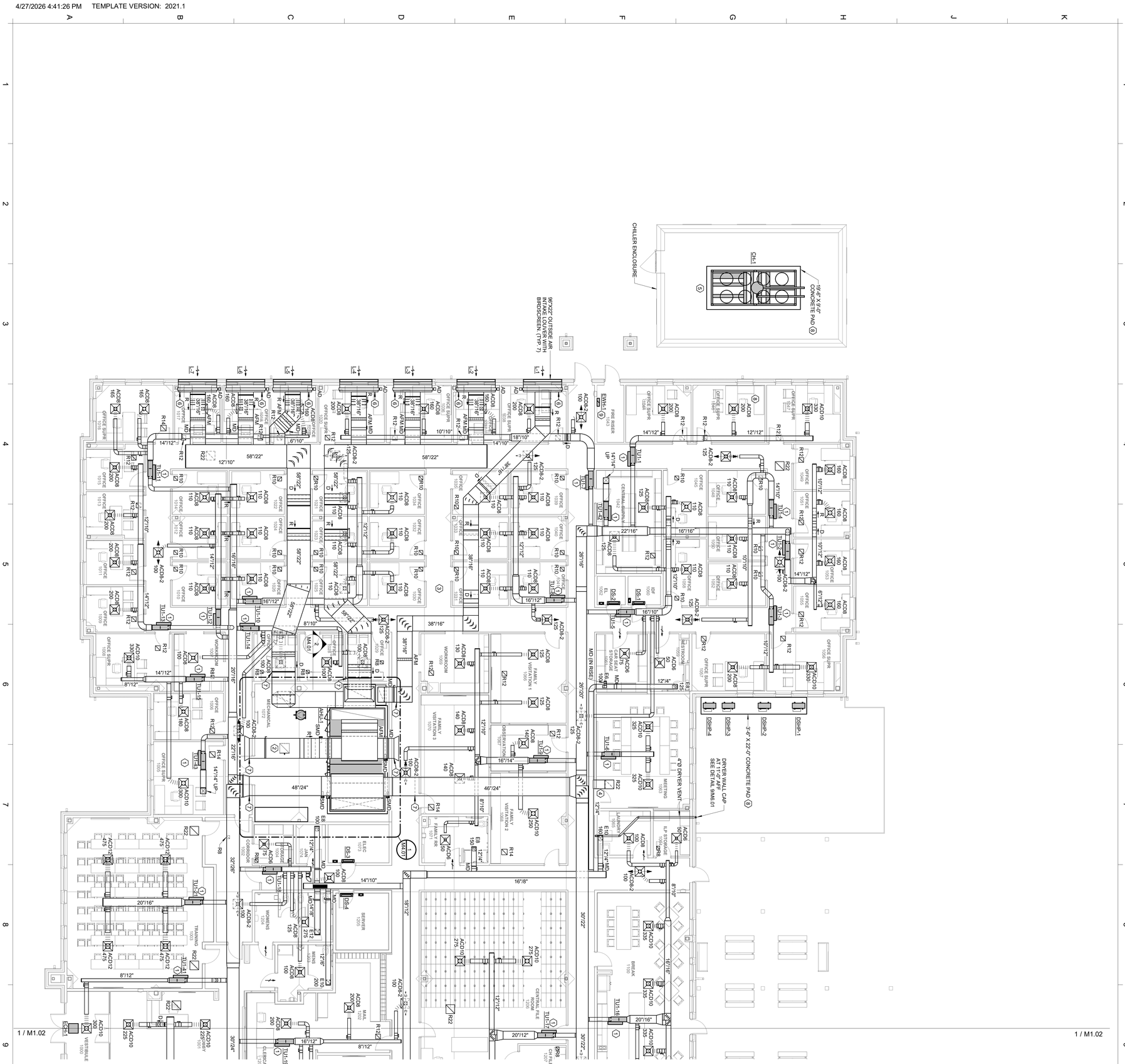
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GENERAL NOTES:

1. DRAWINGS ARE DIAGRAMMATIC AND ARE NOT TO BE USED FOR FABRICATION OF ANY DUCTWORK, PIPING, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT FIELD CONDITIONS AND PROVIDING SHOP AND COORDINATION SHOP DRAWINGS AS SPECIFIED. CONSTRUCTION SHALL NOT PROCEED UNTIL AFTER OBTAINING APPROVAL FROM ARCHITECT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO THE BUILDING, EQUIPMENT, PIPING, SYSTEMS, ETC. RESULTING FROM CONSTRUCTION.
3. ALL RETURN AIR GRILLES WITHOUT DUCTWORK SHALL BE INSTALLED WITH A SOUND TRAP. REFER TO DETAIL ON SHEET M6.01.

KEYED NOTES:

1. PROVIDE A MINIMUM CLEARANCE OF 5'-0" FOR MAINTENANCE ACCESSIBILITY AND ELECTRICAL CLEARANCE PER THE NATIONAL ELECTRIC CODE
2. 24"/24" RA FROM ATTIC WITH MANUAL BALANCING DAMPER IN RISE.
3. INDOOR BUILDING PRESSURE PICKUP LOCATION.
4. FULL-SIZE TRANSFER DUCT FROM RETURN GRILLE AT CEILING LEVEL TO RETURN PLENUM. PROVIDE ACOUSTICAL LINER AT CEILING PLENUM. COVER OPEN END WITH 1/2"X1/2" WIRE MESH SCREEN.
5. MAINTAIN A MINIMUM CLEARANCE OF 4'-0" IN FRONT OF CHILLER CONTROL PANEL.
6. SHEETMETAL TRANSITION, FROM SIZE OF LOUVER TO 96"/16" WITH LENGTH TO ACCOMMODATE INSTALLATION OF THE AUTOMATIC DAMPER.
7. EXTERNAL DUCT SOUND INSULATION UP TO POINT INDICATED.
8. REFER TO DETAIL 15/M6.01.
9. INSTALL WALL-MOUNTED ELECTRIC HEATER AT 6'-0" AFF. COORDINATE FINAL LOCATION WITH FIRE PROTECTION PIPING AND EQUIPMENT.

1 PARTIAL FLOOR PLAN A LEVEL 1 - DUCTWORK

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

TRUE NORTH

PARTIAL FLOOR PLAN A LEVEL 1 - HVAC DUCTWORK

M1.01

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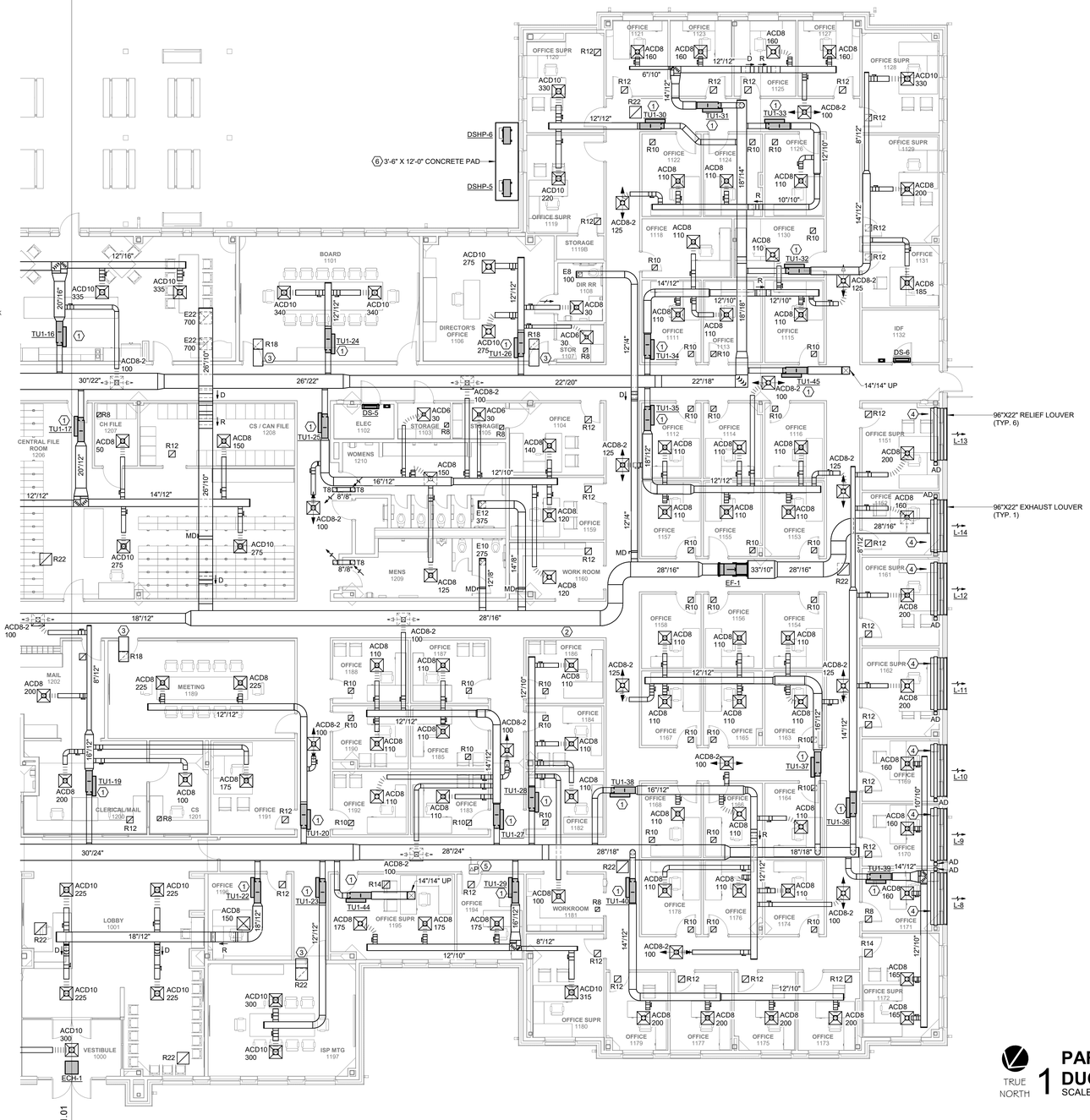
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2. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO THE BUILDING, EQUIPMENT, PIPING, SYSTEMS, ETC. RESULTING FROM CONSTRUCTION.
3. ALL RETURN AIR GRILLES WITHOUT DUCTWORK SHALL BE INSTALLED WITH A SOUND TRAP. REFER TO DETAIL ON SHEET M6.01.

KEYED NOTES:

1. PROVIDE A MINIMUM CLEARANCE OF 3'-0" FOR MAINTENANCE ACCESSIBILITY AND ELECTRICAL CLEARANCE PER THE NATIONAL ELECTRIC CODE.
2. INDOOR BUILDING PRESSURE PICKUP LOCATION.
3. FULL-SIZE TRANSFER DUCT FROM RETURN GRILLE AT CEILING THROUGH CORRIDOR WALL TO COMMUNICATE WITH CORRIDOR CEILING PLENUM. COVER OPEN END WITH 1/2"X1/2" WIRE MESH SCREEN.
4. 2'-0" DEEP SHEETMETAL PLENUM, SAME SIZE AS LOUVER. COVER OPEN END WITH 1/2"X1/2" WIRE MESH SCREEN.
5. DUCT-MOUNTED STATIC PRESSURE SENSOR. COORDINATE FINAL LOCATION WITH TESTING AND BALANCING AGENCY.
6. REFER TO DETAIL 15/M6.01.

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1 PARTIAL FLOOR PLAN B LEVEL 1 - HVAC DUCTWORK
SCALE: 1/8" = 1'-0"

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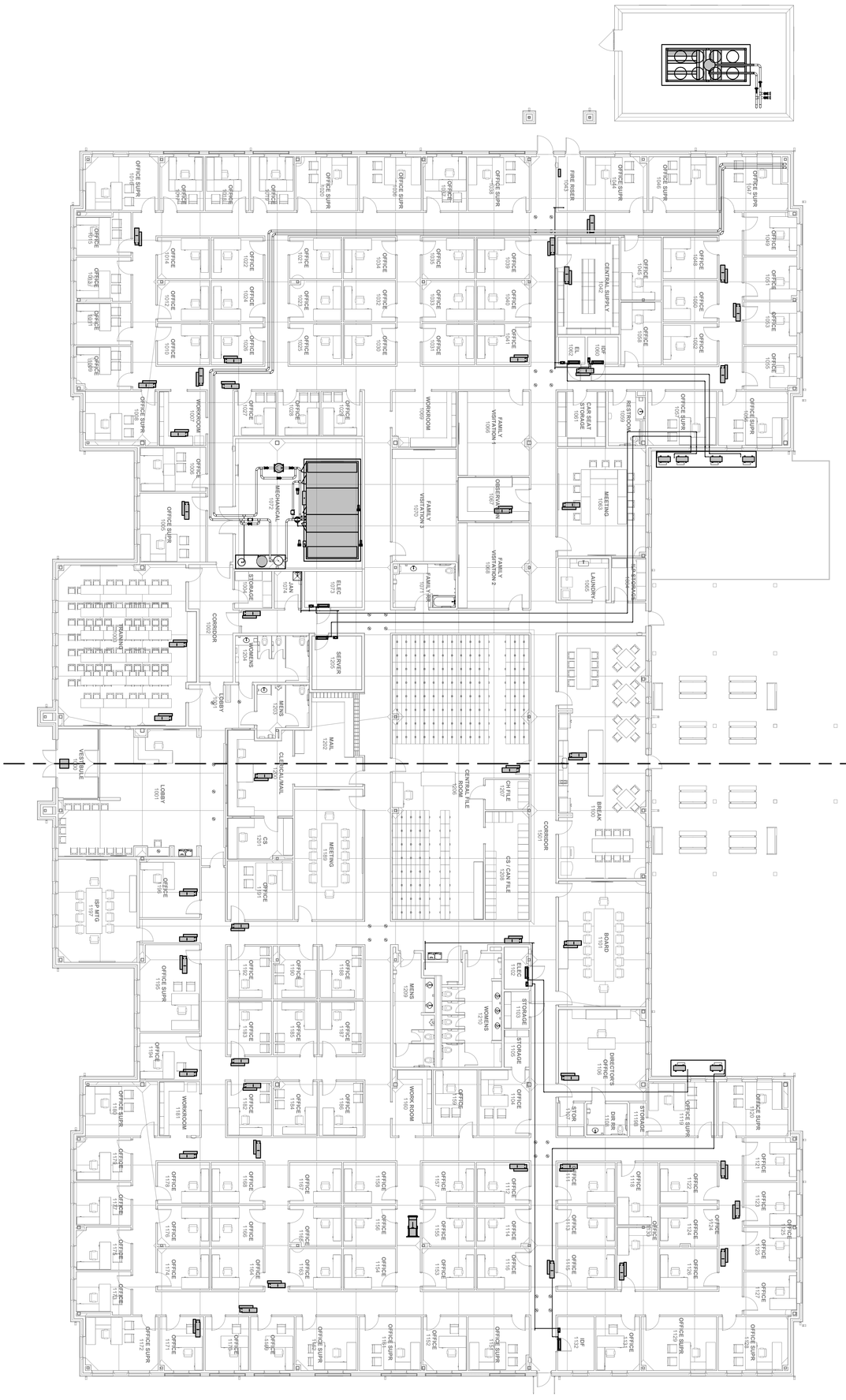
ALABAMA LICENSED No. 52167 PROFESSIONAL ENGINEER Kalen M. Thrasher 12-25-0053 April 27, 2026

PARTIAL FLOOR PLAN B LEVEL 1 - HVAC DUCTWORK

M1.02

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1 OVERALL FLOOR PLAN - LEVEL 1 - HVAC PIPING

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

OVERALL FLOOR PLAN LEVEL 1 - HVAC PIPING

M2.00

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PARTIAL FLOOR PLAN A LEVEL 1 - HVAC PIPING

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GENERAL NOTES:

1. DRAWINGS ARE DIAGRAMMATIC AND ARE NOT TO BE USED FOR DIMENSIONS. ALL DIMENSIONS, FIELD CONDITIONS, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT FIELD CONDITIONS AND PROVIDING SHOP DRAWINGS AS REQUIRED FOR COORDINATION AND APPROVAL. CONTRACTOR SHALL NOT PROCEED UNTIL AFTER OBTAINING APPROVAL FROM ARCHITECT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO THE BUILDING, EQUIPMENT, PIPING, SYSTEMS, ETC. RESULTING FROM CONSTRUCTION.

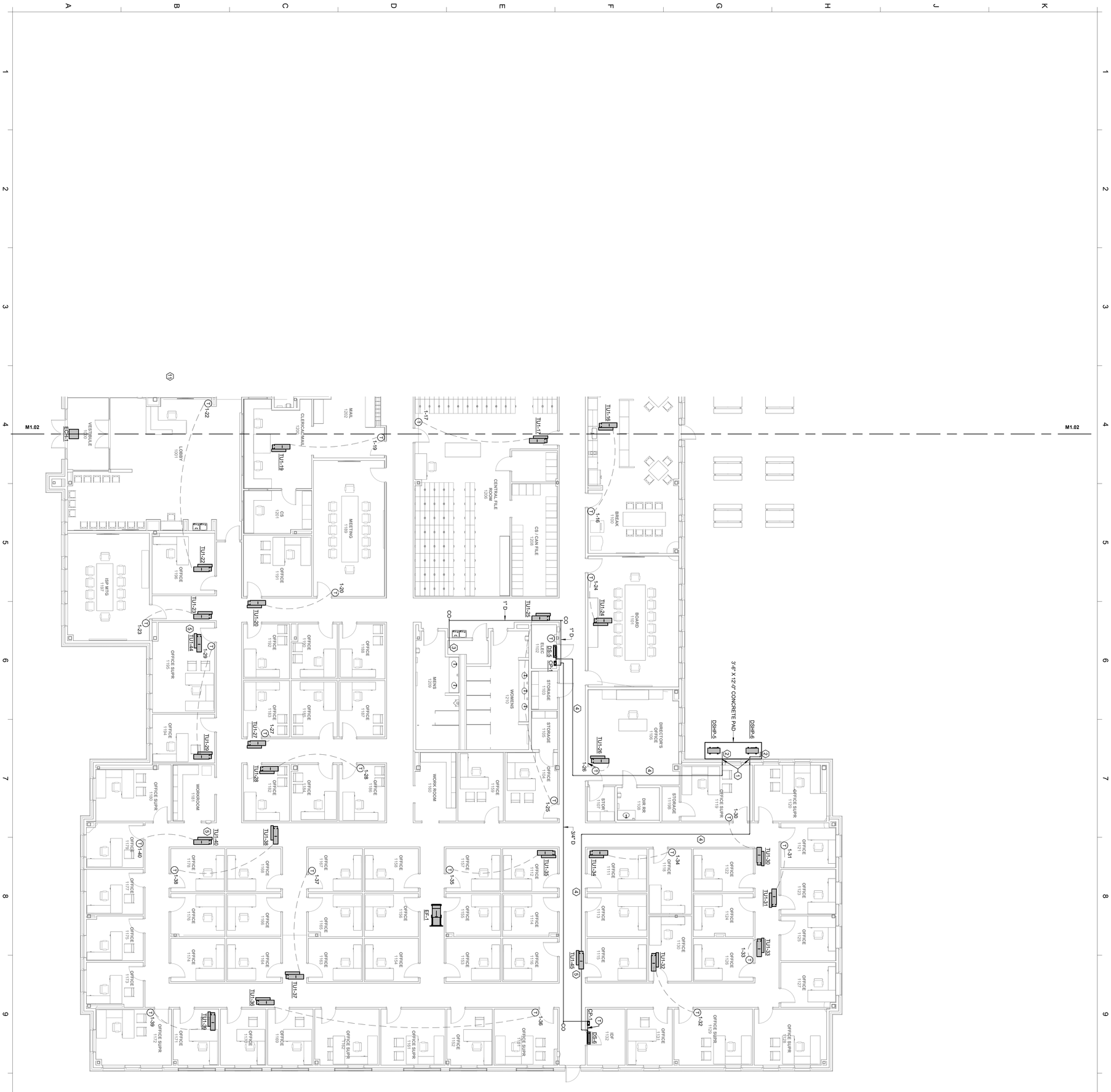
KEYED NOTES:

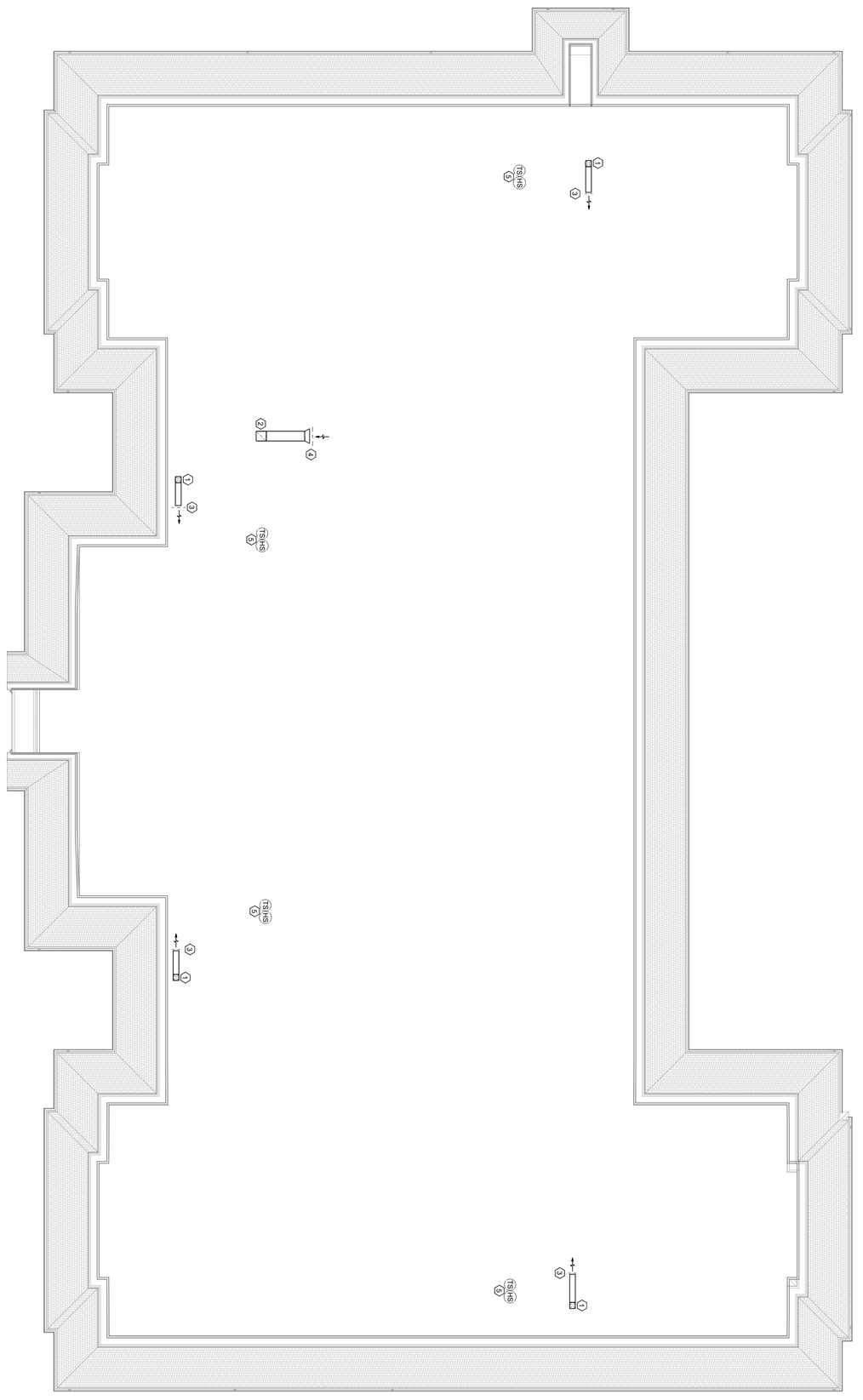
1. ROUTE REFRIGERANT LINESETS DOWN IN WALL SEAL EXTERIOR PENETRATIONS WEATHER TIGHT.
2. COAT ALL EXTERIOR INSULATED REFRIGERANT PIPING WITH ARMAFLEX WB FINISH OR APPROVED EQUAL. SEE SPECIFICATIONS.
3. TERMINATE 1" PITCHED COPPER CONDENSATE PIPING AT HUB DRAIN. SEE PLUMBING DRAWINGS FOR DRAIN TERMINATION LOCATION.
4. TERMINATE 3/4" PITCHED COPPER CONDENSATE PIPING AT JANITOR'S RECEPTOR. MAINTAIN 1" AIR GAP ABOVE LOWEST LIP OF RECEPTOR.
5. INSTALL WALL-MOUNTED ELECTRIC HEATER AT 6'-0" AFF. COORDINATE FINAL LOCATION WITH FIRE PROTECTION REQUIREMENTS.
6. REFRIGERANT LINE SETS, SIZES PER MANUFACTURER'S RECOMMENDATIONS.
7. ANCHOR CHILLER TO CONCRETE PAD. MINIMUM EIGHT (8) PLACES.
8. MAINTAIN A MINIMUM CLEARANCE OF 6'-0" ON ALL 4 SIDES OF CHILLER FOR AIRFLOW AND SERVICE CLEARANCES.
9. PUMPS PROVIDED WITH CHILLER TO BE ELECTRICALLY HEAT TRACED.
10. ROUTE 4" CHS & 4" CHR LINES WITHIN CHASE AND BELOW BUILDING FOOTER. COORDINATE INVERT ELEVATION WITH STRUCTURAL AND CIVIL. REFER TO DETAIL S/M0.02 FOR LINE SEAL REQUIREMENTS AT FLOOR.
11. REFER TO SHEET M3.00 FOR ASSOCIATED TEMPERATURE/HUMIDITY SENSOR LOCATION.
12. SEAL PIPE PENETRATIONS WITH APPROVED FIRE CAULKING.

1 PARTIAL FLOOR PLAN A LEVEL 1 - HVAC PIPING

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

TRUE NORTH


M1.02
M1.02
3'-6" X 12'-0" CONCRETE PAD
DSHP-5
DSHP-6
1" D
CO
3/4" D
EC-1
EC-2
PS-6
TU1-16
TU1-17
TU1-18
TU1-19
TU1-20
TU1-21
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TU1-39
TU1-40
TU1-41
TU1-42
TU1-43
TU1-44
TU1-45
LOBBY 1001
VESTIBULE 1000
BREAK 1100
BOARD 1101
DIRECTOR'S OFFICE 1106
OFFICE SUPR 1107
OFFICE SUPR 1119
OFFICE SUPR 1120
OFFICE SUPR 1127
OFFICE SUPR 1128
STOR 1107
DIR RR 1108
STORAGE 1109
STORAGE 1110
ELEC 1102
STORAGE 1103
STORAGE 1105
WOMENS 1104
MENS 1101
WORK ROOM 1150
OFFICE 1151
OFFICE 1154
OFFICE 1111
OFFICE 1113
OFFICE 1118
OFFICE 1122
OFFICE 1123
OFFICE 1124
OFFICE 1125
OFFICE 1126
OFFICE 1130
OFFICE 1131
IDF 1132
OFFICE 1152
OFFICE SUPR 1161
OFFICE SUPR 1162
OFFICE 1169
OFFICE 1170
OFFICE SUPR 1172
OFFICE 1171
OFFICE 1173
OFFICE 1174
OFFICE 1175
OFFICE 1176
OFFICE 1177
OFFICE 1178
OFFICE 1179
OFFICE 1180
OFFICE 1181
OFFICE 1182
OFFICE 1183
OFFICE 1184
OFFICE 1185
OFFICE 1186
OFFICE 1187
OFFICE 1188
OFFICE 1189
OFFICE 1190
OFFICE 1191
OFFICE 1192
OFFICE



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1 OVERALL ATTIC PLAN - HVAC

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

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2. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO THE BUILDING, EQUIPMENT, PIPING, SYSTEMS, ETC. RESULTING FROM CONSTRUCTION.

KEYED NOTES:

1. 14"/14" SA FROM CEILING PLENUM BELOW.
2. 24"/24" RA DOWN TO CEILING PLENUM.
3. 14"/14" OPENING. COVER WITH BIRDSCREEN.
4. 36"/24" OPENING. COVER WITH BIRDSCREEN. REFER TO DETAIL 2/M6.01.
5. MOUNT REMOTE TEMPERATURE SENSOR AND HUMIDITY SENSOR TO ROOF TRUSS. LOCATE THERMOSTAT IN MECHANICAL ROOM 1072.

OVERALL ATTIC PLAN - HVAC

M3.00

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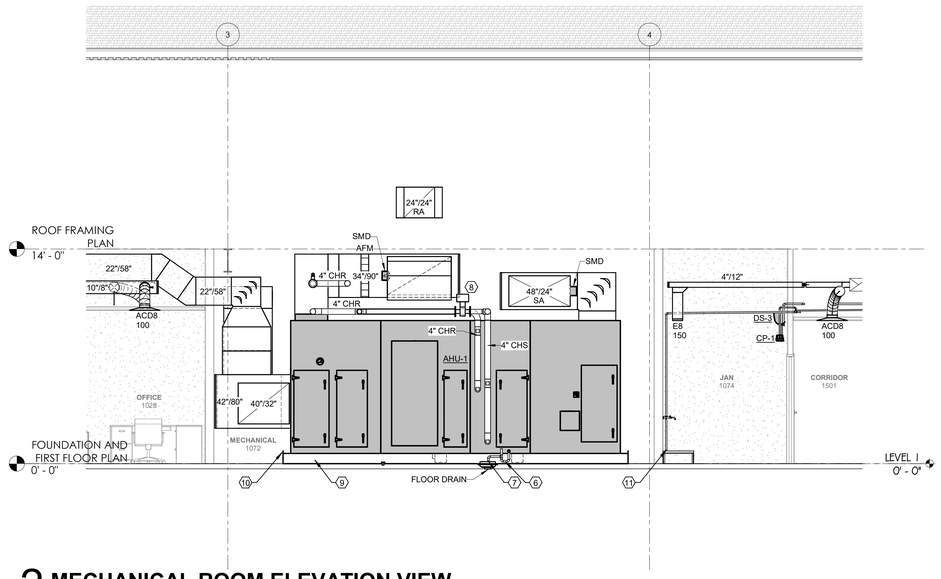
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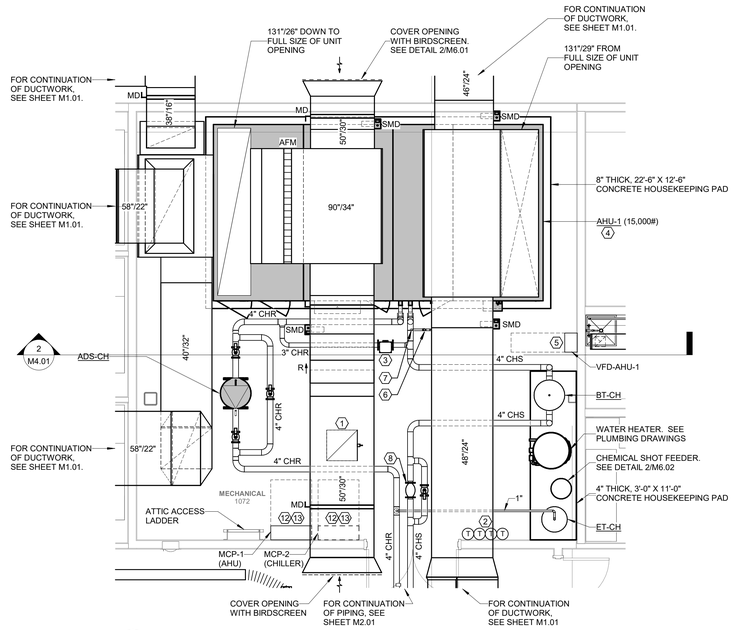
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2 MECHANICAL ROOM ELEVATION VIEW
SCALE: 1/4" = 1'-0"



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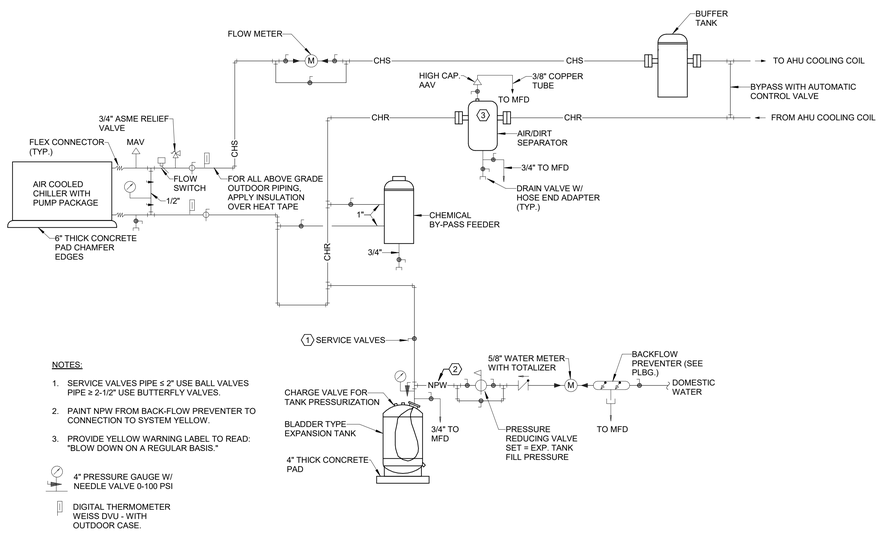
1 ENLARGED FLOOR PLAN - MECHANICAL ROOM - HVAC
SCALE: 1/4" = 1'-0"

KEYED NOTES:

1. 24"/24" RA FROM ATTIC WITH MANUAL VOLUME DAMPER IN RISE.
2. THERMOSTATS WITH SETPOINT ADJUSTMENT (TEMPERATURE AND HUMIDITY) SERVING TU1-42, TU1-43, TU1-44, AND TU1-45. REMOTE TEMPERATURE SENSORS LOCATED IN ATTIC. SEE ATTIC PLAN FOR LOCATIONS.
3. 3" BYPASS LINE WITH AUTOMATIC CONTROL VALVE.
4. UNIT TO BE SHIPPED FOR BREAKDOWN CONSTRUCTION AND RE-ASSEMBLED ON SITE BY MANUFACTURER'S REPRESENTATIVE.
5. MAINTAIN A MINIMUM OF 3'-6" CLEARANCE FOR MAINTENANCE ACCESSIBILITY PER THE NATIONAL ELECTRICAL CODE.
6. CONDENSATE DRAIN TRAP. REFER TO DETAIL 6/M6.02.
7. TERMINATE 1 1/4" PITCHED COPPER CONDENSATE DRAIN AT FLOOR DRAIN.
8. FLOW METER. REFER TO DETAIL 3 ON THIS SHEET.
9. 8"-THICK CONCRETE HOUSEKEEPING PAD.
10. 2"-HIGH STAINLESS STEEL AUXILIARY DRAIN PAN.
11. TERMINATE 3/4" PITCHED COPPER CONDENSATE PIPING AT JANITOR'S RECEPTOR. MAINTAIN 1" AIR GAP ABOVE LOWEST LIP OF RECEPTOR.
12. PROVIDE TWO ETHERNET DROPS TO MECHANICAL CONTROL PANEL. COORDINATE WITH ELECTRICAL CONTRACTOR.
13. MAINTAIN A MINIMUM OF 3'-0" CLEARANCE FOR MAINTENANCE AND ACCESSIBILITY.

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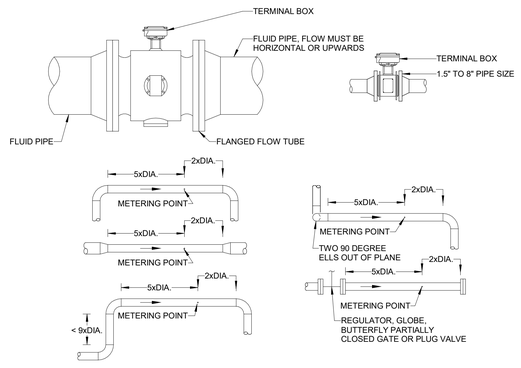
NOTES:

1. SERVICE VALVES PIPE ≤ 2" USE BALL VALVES PIPE ≥ 2-1/2" USE BUTTERFLY VALVES.
2. PAINT NPW FROM BACK-FLOW PREVENTER TO CONNECTION TO SYSTEM YELLOW.
3. PROVIDE YELLOW WARNING LABEL TO READ: "BLOW DOWN ON A REGULAR BASIS."

4" PRESSURE GAUGE W/ NEEDLE VALVE 0-100 PSI

DIGITAL THERMOMETER WEISS DVU - WITH OUTDOOR CASE.

3 AIR COOLED CHILLER PIPING DETAIL
SCALE:NOT TO SCALE:



4 MAGNETIC FLOW METER DETAIL
SCALE:NOT TO SCALE:

GMC
2400 5th Avenue South, Suite 200
Birmingham, AL 35233
T 205.879.4462
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ISSUE	DATE
ISSUE FOR BID	04.27.2026

DRAWN BY: CBO
CHECKED BY: KLT

HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

GMC # ABHM250019

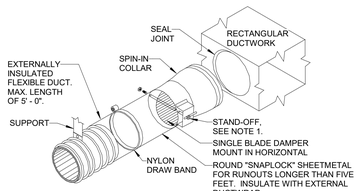
ALABAMA LICENSED No. 52167 PROFESSIONAL Kalen Thrasher ENGINEER April 27, 2026 KALEN L. M. THRASHER 12-25-0053

ENLARGED FLOOR PLANS - HVAC

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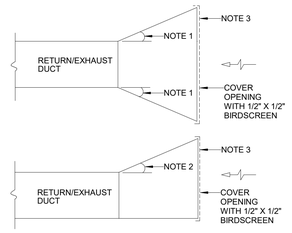
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NOTES:

1. PROVIDE STAND-OFF AND EXTENSION ROD TO ACCOMODATE INSULATION.
2. INSULATE SPIN-IN WITH EXTERNAL DUCT WRAP. SLIT INSULATION AT DAMPER RODS. SEAL JOINTS VAPOR TIGHT WITH MASTIC.
3. SEAL ALL JOINTS TO PREVENT LEAKAGE.
4. ALLOWABLE FOR SUPPLY BRANCH DUCTWORK ONLY.

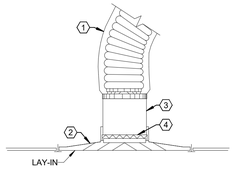
1 LOW PRESSURE ROUND BRANCH DUCT CONNECTOR DETAIL
SCALE:NOT TO SCALE:



NOTES:

1. MAXIMUM ANGLE OF 15 DEGREES.
2. MAXIMUM ANGLE OF 30 DEGREES.
3. MAXIMUM FACE VELOCITY OF 700 PER MINUTE. FREE AREA OF OPENING SHALL BE DETERMINED BY REQUIRED CFM DIVIDED BY 700.

2 RETURN/EXHAUST DUCT OPENING DETAIL
SCALE:NOT TO SCALE:

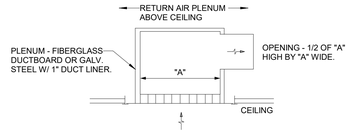


NOTES:

1. PRE-INSULATED FLEX DUCT AS REQUIRED. INSTALLED PERMANENTLY SEALED AND SUPPORTED TO PREVENT KINKING AND SHARP TURNS. MAXIMUM LENGTH 5'-0", 1 -45° TURN ALLOWED.
2. LAY-IN OR SURFACE-MOUNT CEILING DIFFUSER WITH ROUND NECK. SEE ARCHITECT'S REFLECTED CEILING PLAN FOR CEILING TYPE.
3. HARD ROUND 45° OR 90° ELBOW- INSULATED WITH EXTERNAL DUCTWRAP.
4. WHERE SCHEDULED, PROVIDE OBD W/SCREWDRIVER ADJUSTMENT ACCESSIBLE FROM FACE OF DIFFUSER.

FOR 8"∅ RUNOUTS AND SMALLER; ROUND NECK

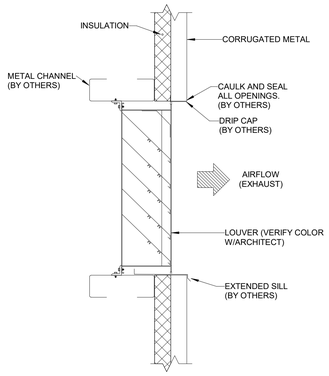
3 CEILING DIFFUSER DETAIL
SCALE:NOT TO SCALE:



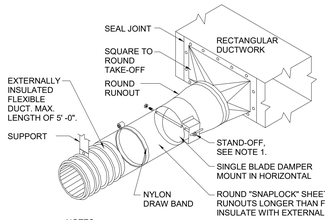
NOTES:

1. LOCATE OPENINGS IN ADJACENT ROOMS AT RIGHT ANGLES TO EACH OTHER.
2. PAINT DUCTBOARD LINER BLACK.

4 SOUND ATTENUATING RETURN AIR BOOT DETAIL
SCALE:NOT TO SCALE:



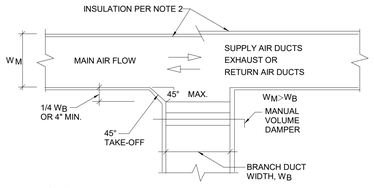
5 TYPICAL METAL PANEL WALL MOUNTED EXHAUST AIR LOUVER
SCALE:NOT TO SCALE:



NOTES:

1. PROVIDE STAND-OFF AND EXTENSION ROD TO ACCOMMODATE INSULATION.
2. INSULATE SQUARE TO ROUND TAKE-OFF WITH EXTERNAL DUCT WRAP. SLIT INSULATION AT DAMPER RODS. SEAL JOINTS VAPOR TIGHT WITH MASTIC.
3. SEAL ALL JOINTS TO PREVENT LEAKAGE.
4. ALLOWABLE FOR SUPPLY/RETURN/EXHAUST BRANCH DUCTWORK.

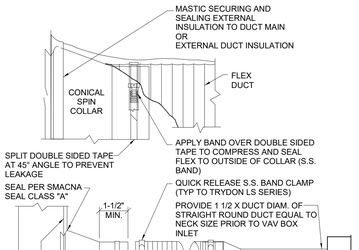
6 LOW PRESSURE ROUND BRANCH DUCT CONNECTOR DETAIL
SCALE:NOT TO SCALE:



NOTES:

1. FABRICATE PER SMACNA DUCT CONSTRUCTION STANDARDS FIGURE #2-8.
2. SEE SPECIFICATIONS FOR INSULATION REQUIREMENTS. FABRICATE LINED DUCT CONNECTIONS SO THAT THERE ARE NO EXPOSED LINER EDGES.

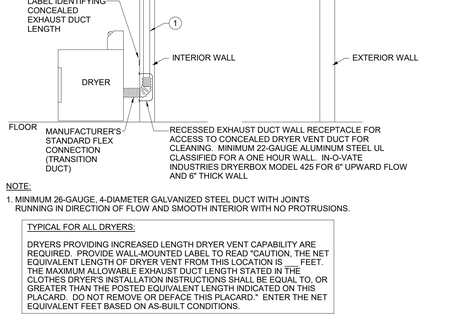
7 DUCT BRANCH TAKE-OFF DETAIL
SCALE:NOT TO SCALE:



NOTES:

1. DOUBLE SIDED 1"-WIDE, 1/8"-THICK TAPE AND S.S. CLAMP.
   OR
2. DUCT SEALER (BENJAMIN FOSTER #3202) AND S.S. CLAMP (TAPE SHOWN).

8 MEDUIM PRESSURE FLEX CONNECTION TO AIR TERMINAL DETAIL
SCALE:NOT TO SCALE:



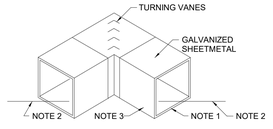
NOTE:

1. MINIMUM 26-GAUGE, 4-DIAMETER GALVANIZED STEEL DUCT WITH JOINTS RUNNING IN DIRECTION OF FLOW AND SMOOTH INTERIOR WITH NO PROTRUSIONS.

TYPICAL FOR ALL DRYERS:

DRYERS PROVIDING INCREASED LENGTH DRYER VENT CAPABILITY ARE REQUIRED. PROVIDE WALL-MOUNTED LABEL TO READ "CAUTION, THE NET EQUIVALENT LENGTH OF DRYER VENT FROM THIS LOCATION IS ___ FEET. THE MAXIMUM ALLOWABLE EXHAUST DUCT LENGTH STATED IN THE CLOTHES DRYER'S INSTALLATION INSTRUCTIONS SHALL BE EQUAL TO, OR GREATER THAN THE POSTED EQUIVALENT LENGTH INDICATED ON THIS PLACARD. DO NOT REMOVE OR DEFACE THIS PLACARD." ENTER THE NET EQUIVALENT FEET BASED ON AS-BUILT CONDITIONS.

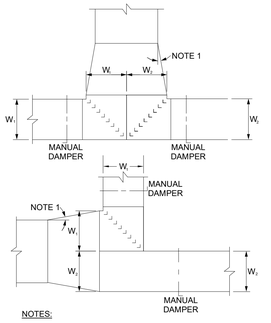
9 DOMESTIC DRYER EXHAUST DETAIL
SCALE:NOT TO SCALE:



NOTES:

1. ONE-INCH THICK ACOUSTICAL DUCT LINER.
2. NO LINE-OF-SIGHT ALLOWED THROUGH TRANSFER.
3. WIDTH AND DEPTH AS SHOWN ON PLANS.

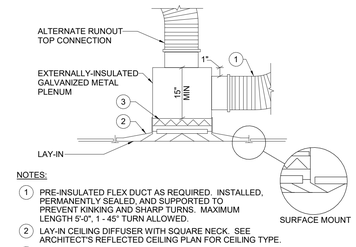
10 TRANSFER DUCT DETAIL
SCALE:NOT TO SCALE:



NOTES:

1. MAXIMUM 15 DEGREE ANGLE FOR ECCENTRIC FITTING. MAXIMUM 30 DEGREE ANGLE FOR CONCENTRIC FITTING.
2. OMIT MANUAL DAMPERS ON MEDIUM PRESSURE SYSTEM.

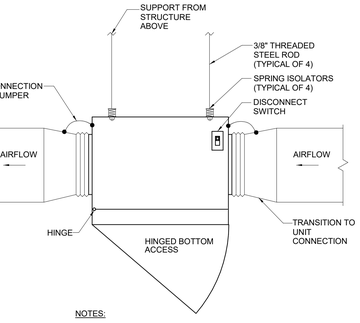
11 EQUAL AREA SPLITTER DETAIL
SCALE:NOT TO SCALE:



NOTES:

1. PRE-INSULATED FLEX DUCT AS REQUIRED. INSTALLED, PERMANENTLY SEALED, AND SUPPORTED TO PREVENT KINKING AND SHARP TURNS. MAXIMUM LENGTH 5'-0", 1 - 45° TURN ALLOWED.
2. LAY-IN CEILING DIFFUSER WITH SQUARE NECK. SEE ARCHITECT'S REFLECTED CEILING PLAN FOR CEILING TYPE.
3. WHERE SCHEDULED, PROVIDE OBD WITH OPERATING LEVER ACCESSIBLE FROM FACE OF DIFFUSER.

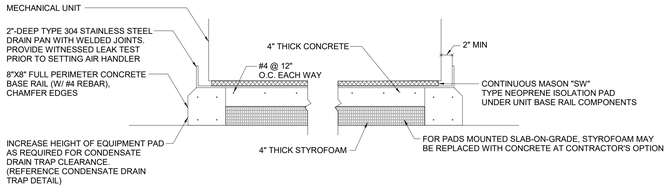
12 CEILING DIFFUSER DETAIL
SCALE:NOT TO SCALE: FOR RUNOUTS 10"∅ AND LARGER RECTANGULAR OR SQUARE NECK



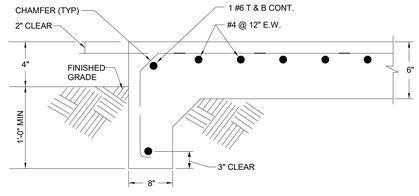
NOTES:

1. DO NOT MOUNT OVER LIGHTS OR OTHER ITEMS THAT WILL BLOCK BOTTOM ACCESS.

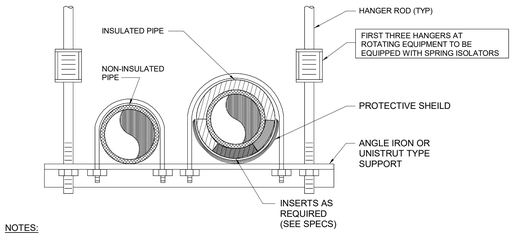
13 CABINET INLINE FAN DETAIL
SCALE:NOT TO SCALE:



14 AHU BASE SUPPORT DETAIL
SCALE:NOT TO SCALE:



15 SLAB ON GRADE DETAIL
SCALE:NOT TO SCALE:



NOTES:

1. SIZE RODS AND HORIZONTAL MEMBER APPROVED TO SATISFY LOAD REQUIREMENTS WITH SAFETY FACTOR OF 5.
2. PROVIDE INSERTS FOR PIPING 2-1/2" DIA. AND LARGER.
3. LOCATE ADDITIONAL HANGERS AT VALVES AND AT CHANGES IN DIRECTION.

16 TRAPEZE TYPE PIPE SUPPORT
SCALE:NOT TO SCALE:

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2400 5th Avenue South, Suite 200
Birmingham, AL 35233
T 205.879.4462
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HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

GMC # ABHM250019

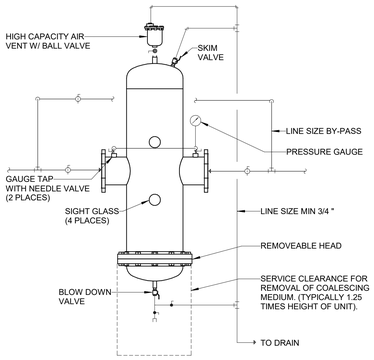
DETAILS - HVAC

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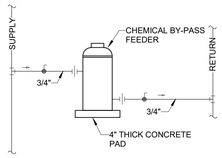
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ALABAMA LICENSED No. 52167 PROFESSIONAL ENGINEER Kelsey Thrasher APPROVED L.M. THRASHER April 27, 2026 12-25-0053

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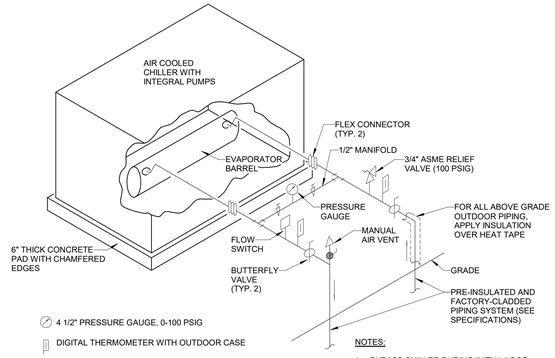
1 AIR / DIRT SEPERATOR PIPING DETAIL
SCALE:NOT TO SCALE:



NOTE:

1. CONNECT FEEDER BETWEEN PUMP SUCTION AND DISCHARGE LINES.

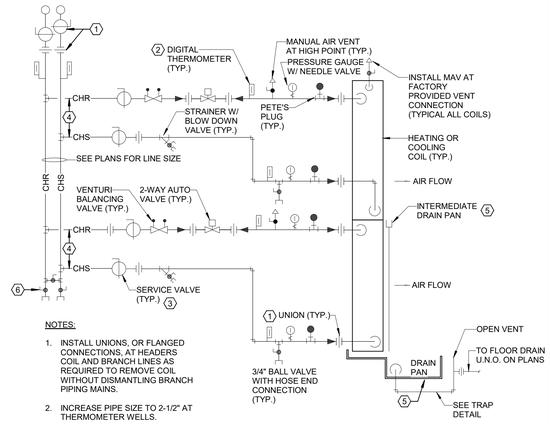
2 CHEMICAL SHOT FEEDER PIPING DETAIL
SCALE:NOT TO SCALE:



NOTES:

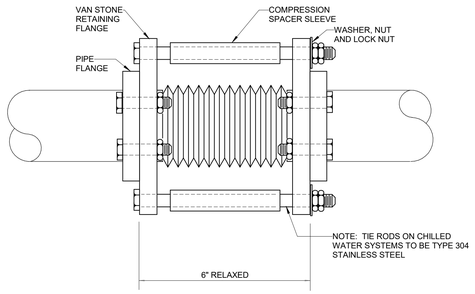
1. BYPASS CHILLER DURING INITIAL LOOP PIPING FLUSHING AND CLEANING.
2. PROVIDE LINE SIZE STRAINER WITH BLOW DOWN VALVE IN RETURN LINE IF CHILLER IS EQUIPPED WITH A BRAZED PLATE HEAT EXCHANGER.

3 AIR COOLED CHILLER PIPING DETAIL
SCALE:NOT TO SCALE:

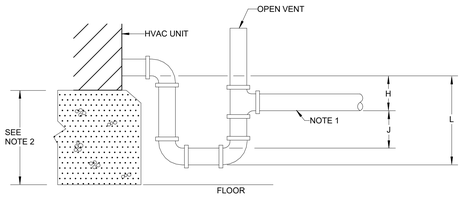


NOTES:

1. INSTALL UNIONS, OR FLANGED CONNECTIONS, AT HEADERS COIL AND BRANCH LINES AS REQUIRED TO REMOVE COIL WITHOUT DISMANTLING BRANCH PIPING MAINS.
2. INCREASE PIPE SIZE TO 2-1/2" AT THERMOMETER WELLS.
3. SERVICE VALVES:
   <2" - BALL VALVES EQUAL TO NIBCO T585-70-NS NIB SEAL.
   >2" - BUTTERFLY VALVES.
4. SIZE BRANCH LINES AT A MAX. DP OF 4' PER 100'.
5. CLOSE COIL SERVICE VALVES AND OPEN BY-PASS VALVE DURIN PIPE FLUSHING. PRIOR TO WATER TREATMENT, OPEN SERVICE VALVES & CLOSE BY-PASS VALVE. REMOVE BY-PASS VALVE HANDLE & PROVIDE ENGRAVED LABEL TO READ "NORMALLY CLOSED VALVE. NOTIFY MAINTENANCE PRIOR TO OPENING." BY-PASS LINE TO BE ONE LINE SIZE SMALLER THAN HEADER (MIN. 2").



5 FLEXIBLE PIPE CONNECTOR DETAIL
SCALE:NOT TO SCALE:



DRAIN PAN TRAPPING FOR SECTION UNDER NEGATIVE PRESSURE:

L = H + J + PIPE DIAMETER WHERE:

H= 1" FOR EACH INCH OF NEGATIVE PRESSURE PLUS 1".

J = H (PREFERRED) OR 1/2H (MINIMUM)

DRAIN PAN TRAPPING FOR SECTION UNDER POSITIVE PRESSURE:

L = H + J + PIPE DIAMETER WHERE:

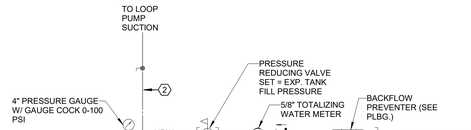
H= 1" (PREFERRED) OR 1/2" (MINIMUM)

J = 1/2" PLUS THE UNIT POSITIVE STATIC PRESSURE AT COIL DISCHARGE (WITH LOADED FILTERS)

NOTES:

1. DRAIN PIPE SIZE: EQUAL TO AHU CONNECTION SIZE, 1" MINIMUM, OR AS NOTED ON PLANS - WHICHEVER IS LARGEST.
2. HEIGHT OF CONCRETE PAD TO BE INCREASED AS REQUIRED TO INSTALL TRAP WITH SPECIFIED DIMENSIONS AND ALLOW FOR PIPE INSULATION AND 1% SLOPE TO POINT OF DISCHARGE.

6 CONDENSATE DRAIN TRAP DETAIL
SCALE:NOT TO SCALE:

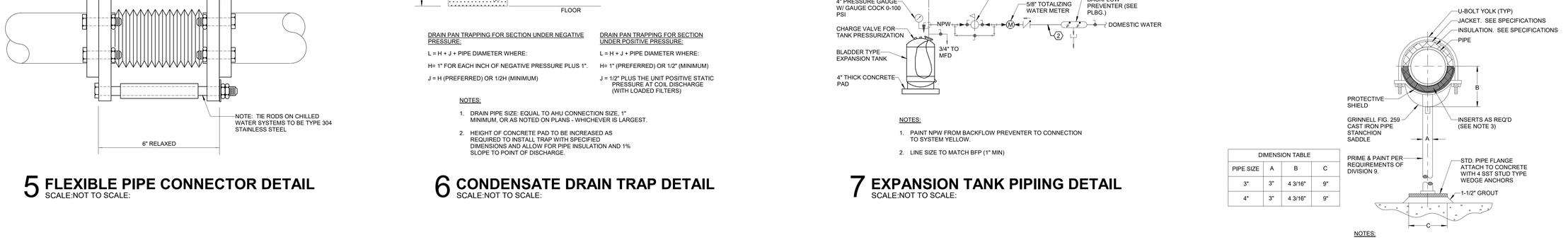


NOTES:

1. PAINT NPW FROM BACKFLOW PREVENTER TO CONNECTION TO SYSTEM YELLOW.
2. LINE SIZE TO MATCH BFP (1" MIN)

7 EXPANSION TANK PIPIING DETAIL
SCALE:NOT TO SCALE:

4 MULTIPLE STACKED CHILLED WATER COIL 2-WAY VALVE PIPING DETAIL
SCALE:NOT TO SCALE:

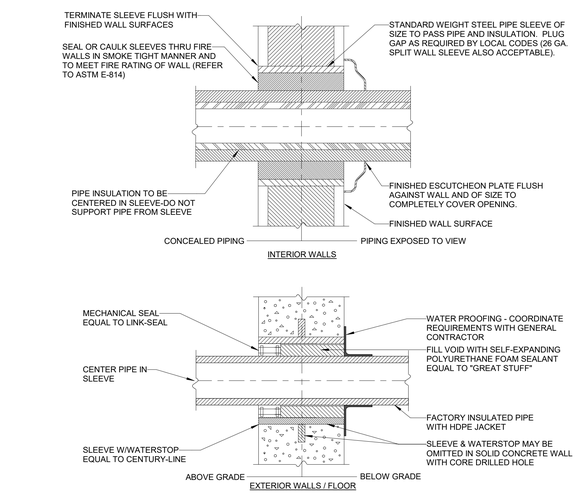


DIMENSION TABLE			
PIPE SIZE	A	B	C
3"	3"	4 3/16"	9"
4"	3"	4 3/16"	9"

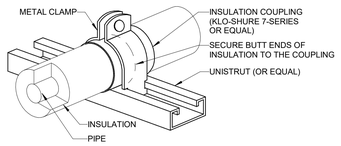
NOTES:

1. FOR BASE, HEIGHT, AND FLANGE DIMENSIONS, SEE TABLE
2. FOR 3" SIZE PIPE, U-BOLT MUST HAVE EXTRA 1" OF THREAD TO TIGHTEN SECURELY.
3. PROVIDE INSERTS FOR PIPING 2-1/2" DIA. AND LARGER

8 FLOOR PIPE SUPPORT DETAIL
SCALE:NOT TO SCALE:



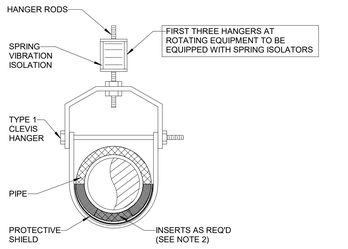
9 PIPE SLEEVE THRU WALL/FLOOR DETAIL
SCALE:NOT TO SCALE:



NOTES:

1. APPLICATION: FOR STRUT-MOUNTED, 4-INCH AND SMALLER, COPPER PIPE WITH FOAMED PLASTIC (ARMAFLEX) OR FIBERGLASS INSULATION.
2. ALLOWED FOR HORIZONTAL OR VERTICAL INSTALLATION.
3. FOR COLD PIPE APPLICATION, APPLY ADHESIVE TO END OF COUPLING.
4. UNISTRUT FINISH:
   A. INDOOR: ELECTROPLATED ZINC COATING.
   B. OUTDOOR & OTHER WET OR HUMID APPLICATIONS: ELECTRO-DEPOSITED ACRYLIC COATING EQUAL TO PERMA-GREEN III.

10 STRUT-MOUNTED PIPING SUPPORT INSULATION COUPLING DETAIL
SCALE:NOT TO SCALE:

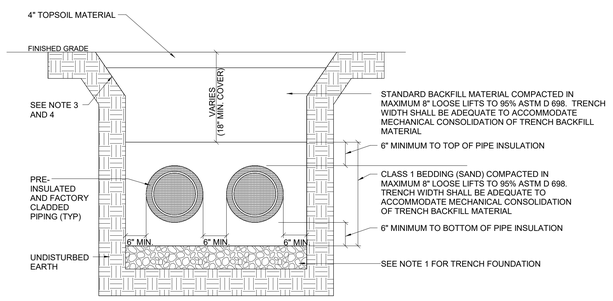


NOTES:

1. INSTALL PLUMB.
2. PROVIDE INSERTS FOR PIPING 2-1/2" DIA. AND LARGER.
3. LOCATE ADDITIONAL HANGERS AT VALVES AND AT CHANGES IN DIRECTION.
4. LOCATE HANGER AT SHORTER SPACING WHERE NOTED ON MECHANICAL OR STRUCTURAL PLANS.

HANGER ROD SIZES AND MAXIMUM HANGER SPACING									
PIPE SIZE	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
ROD DIA.	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1/2"	1/2"	5/8"
MAXIMUM SPACING	6'	8'	8'	8'	10'	10'	10'	12'	14'

11 SINGLE PIPE TYPE 1 CLEVIS HANGER
SCALE:NOT TO SCALE:



NOTES:

1. TRENCH FOUNDATION REQUIRED ONLY AS DIRECTED BY OWNER'S REPRESENTATIVE.
2. ALL TRENCH BACKFILL OPERATIONS SHALL BE OBSERVED BY THE OWNER'S REPRESENTATIVE ON THE PROJECT. HOWEVER, THE PRESENCE OF THE OWNER'S REPRESENTATIVE SHALL NOT RELIEVE THE CONTRACTOR OF ANY REQUIREMENTS OR OBLIGATIONS ASSOCIATED WITH ALL UTILITY TRENCHES.
3. ALL SLOPES SHALL CONFORM TO OSHA REQUIREMENTS. ADDITIONAL PROTECTIVE MEASURES MAY BE REQUIRED ABOVE AND BEYOND OSHA DEPENDING ON SPECIFIC TRENCH CONDITIONS. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY OF WORKERS, THE GENERAL PUBLIC, AND OTHERS INVOLVED IN THE PROJECT AND SHALL PROVIDE SHEETING, BRACING, OR WHATEVER ACTION NECESSARY TO INSURE THE SAFETY OF PEOPLE, PROPERTY, AND STRUCTURES.
4. THE LINES AND TRENCHES SHOWN ON THE TRENCH DETAILS ARE ONLY INTENDED TO DEFINE THE BACKFILL REQUIREMENTS AND THE MINIMUM DIMENSIONS FOR THE TRENCH. IT IS THE CONTRACTOR'S RESPONSIBILITY TO "LAY BACK" THE TRENCH WALLS TO WHATEVER FLATNESS OF SLOPE IS NECESSARY TO PROVIDE SAFE WORKING CONDITIONS FOR THE PLACEMENT OF THE PIPE AND BEDDING.
5. ALL UTILITY TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% SPD ASTM D 698 UNLESS OTHERWISE NOTED BY ABOVE DETAILS.

12 BELOW GROUND CHILLED WATER PIPING DETAIL
SCALE:NOT TO SCALE:

GMC
2400 5th Avenue South, Suite 200
Birmingham, AL 35233
T 205.879.4462
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ISSUE	DATE
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ALABAMA LICENSED No. 52167 PROFESSIONAL ENGINEER Kalen Thrasher REGISTRATION L.M. THRASHER April 27, 2026 12-25-0053

HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

GMC # ABHM250019

DETAILS - HVAC

M6.02

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CONTROL LEGEND

SYMBOL	DESCRIPTION
H-O-A V F D	VARIABLE FREQUENCY DRIVE WITH HAND - OFF - AUTO SWITCH
H-O-A	MAGNETIC STARTER WITH HAND - OFF - AUTO SWITCH
	DISCONNECT SWITCH
DSD	SMOKE DETECTOR
	SIGNAL TO FIRE ALARM SYSTEM
	SIGNAL FROM FIRE ALARM SYSTEM
TS	TEMPERATURE SENSOR, REMOTE BULB, SINGLE POINT WITH THERMOWELL AND ANALOG OUTPUT SIGNAL
T	ROOM TEMPERATURE SENSOR WITH SETPOINT ADJUSTMENT AND ANALOG OUTPUT SIGNAL
TS	ROOM TEMPERATURE SENSOR WITH ANALOG OUTPUT SIGNAL
TS	TEMPERATURE SENSOR, REMOTE BULB, AVERAGING WITH ANALOG OUTPUT SIGNAL. SEE CONTROL SPECIFICATION NOTE # 18.
TS	TEMPERATURE SENSOR, REMOTE BULB, SINGLE POINT WITH ANALOG INPUT
T	ROOM THERMOSTAT ELECTRONIC OR ELECTRIC
FRZ	FREEZESTAT WITH AVERAGING BULB, SEE CONTROL SPECIFICATION NOTE # 18.
FRZ	FREEZESTAT WITH AVERAGING BULB AND AUX CONTACTS FOR STATUS INDICATION. SEE CONTROL SPECIFICATION NOTE # 18.
FS	FLOW SWITCH
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
AI	ANALOG INPUT
AO	ANALOG OUTPUT
H	HUMIDITY SENSOR WITH ANALOG OUTPUT SIGNAL
H	HUMIDISTAT W/ADJ. SETPOINT
	NORMALLY OPEN CONTACTS
	NORMALLY CLOSED CONTACTS
	MOTORIZED CONTROL VALVE - 2 WAY
	MOTORIZED CONTROL VALVE - 3 WAY
	MANUAL DAMPER
	DAMPER (OPPOSED BLADES) WITH END SWITCH
	MOTORIZED DAMPER WITH OPPOSED BLADES
AFM	AIR FLOW MONITOR - PROVIDE ACCESS DOOR UPSTREAM OF DEVICE.
ΔP SPM	DUCT STATIC PRESSURE TRANSMITTER
ΔP	DIFFERENTIAL PRESSURE SWITCH - ON PIPING SYSTEM PROVIDE BALL OR NEEDLE ISOLATION VALVES
S	ADJUSTABLE CURRENT SENSOR

CONTROL SPECIFICATION GENERAL NOTES:

1. SEE SPECIFICATION SECTIONS FOR ADDITIONAL SYSTEM REQUIREMENTS.
2. SUBMIT COMPLETE CONTROL AND POWER WIRING DIAGRAMS FOR APPROVAL BEFORE INSTALLING CONTROLS. CONTROL DIAGRAMS ON DRAWINGS ARE INTENDED TO INDICATE, IN GENERAL, CONTROL ARRANGEMENTS. PROVIDE ALL INSTRUMENTS, RELAYS, OPERATORS, SWITCHES, ETC. REQUIRED TO ACCOMPLISH CONTROL SEQUENCES WHETHER OR NOT SUCH DEVICES ARE ACTUALLY SHOWN ON CONTROL DIAGRAMS.
3. INCLUDE ALL CONTROL AND INTERLOCK WIRING AND POWER WIRING FOR CONTROL PANELS AND CONTROL DEVICES, UNLESS OTHERWISE SHOWN ON THE ELECTRICAL DRAWINGS.
4. INSTALL ALL CONTROL WIRING IN MECH. ROOMS AND THE ATTIC (INCLUDING LOW VOLTAGE WIRING) IN CONDUIT. LABEL CONTROL CONDUIT PER FACILITY STANDARDS.
5. ALL WIRING AND CONDUIT SHALL BE FURNISHED AND INSTALLED IN STRICT ACCORDANCE WITH ELECTRICAL.
6. SMOKE DETECTORS: FURNISHED AND WIRED UNDER DIVISION 26.
7. LOCATIONS OF CONTROL PANELS TO BE FIELD VERIFIED BY THE CONTRACTOR. COORDINATE POWER REQUIREMENTS WITH ELECTRICAL.
8. THE NEW BUILDING AUTOMATION CONTROL SYSTEM (BAS) SHALL BE A WEB-BASED DIRECT DIGITAL CONTROL SYSTEM
9. CONTRACTOR TO PROVIDE GRAPHICAL INTERFACE TO WEB-BASED CONTROL SYSTEM FOR ALL CONTROLS INSTALLED UNDER THIS CONTRACT.
10. CONTROL CONTRACTOR TO PROVIDE 24V TRANSFORMERS AT CONTROL PANEL IN MECHANICAL ROOM AND ROUTE LOW VOLTAGE CONTROL POWER TO ALL AIR TERMINAL UNITS. CONTROL PANELS SHALL BE BACNET IP.
11. OBTAIN BUILDING OPERATING SCHEDULE FROM OWNER IN WRITING AND SET EQUIPMENT OPERATION SCHEDULES ACCORDINGLY. SET THERMOSTAT SOFTWARE PARAMETERS AND SETPOINT LIMITATIONS PER OWNER'S DIRECTION. PROVIDE SIGNED LETTER FROM OWNER THIS HAS BEEN DONE.
12. CONTROL SYSTEM IS TO BE A COMPLETE CONTROL SYSTEM. PROVIDE ALL HARDWARE, SOFTWARE AND PROGRAMMING REQUIRED TO MAKE COMPLETE SYSTEM.
13. DAMPERS AND ACTUATORS: ACTUATORS SHALL BE DIRECT-COUPLED, SPRING-RETURN AS MANUFACTURED BY BELIMO. ROUND DAMPERS SHALL BE RUSKIN CDRS25 WITH BLADE EDGE SEAL AND MAXIMUM LEAKAGE OF 0.15 CFM PER INCH BLADE CIRCUMFERENCE AT 4-INCHES W.C. PRESSURE DIFFERENTIAL. RECTANGULAR DAMPERS SHALL BE RUSKIN RCD45 WITH BLADE EDGE SEALS AND MAXIMUM LEAKAGE OF 10 CFM PER SQ. FT. AT 4-INCHES W.C. PRESSURE DIFFERENTIAL.
14. THERMOSTATS FOR FANS AND ELECTRIC HEATERS: JOHNSON CONTROLS MODEL T26. HEATING THERMOSTATS SHALL HAVE LIMITED RANGE OF 40F TO 75F. COOLING THERMOSTATS SHALL HAVE LIMITED RANGE OF 78F TO 90F. THERMOSTATS SHALL BE LABELED "HEATING" OR "VENTILATION" AND INDICATE UNITS SERVED.
15. AVERAGING TEMPERATURE SENSOR SHALL HAVE ONE FOOT OF ELEMENT LENGTH PER THREE SQUARE FEET OF COIL SURFACE EVENLY DISTRIBUTED OVER THE COIL SURFACE. MULTIPLE AVERAGING TEMPERATURE SENSORS MAY BE REQUIRED TO MEET THE ONE FOOT OF ELEMENT PER THREE SQUARE FEET OF COIL SURFACE AND IN THIS EVENT THE MULTIPLE AVERAGING TEMPERATURE SENSORS SHALL BE WIRED TO PROVIDE THE CORRECT AVERAGE TEMPERATURE TO THE DDC SYSTEM. AVERAGING TEMPERATURE SENSORS SHALL BE INSTALLED PER MANUFACTURER RECOMMENDATIONS AT REGULAR INTERVALS TO COVER THE ENTIRE COIL.
16. TEST PORTS - COORDINATE WITH MECHANICAL CONTRACTOR TO INSTALL TEST PORTS FOR HAND-HELD INSTRUMENT READINGS NEAR ALL PIPING PRESSURE AND TEMPERATURE SENSORS. COORDINATE REQUIREMENTS WITH SPECIFICATION, SECTION "METERS AND GAUGES."
17. PROVIDE DUCT ACCESS DOORS UPSTREAM OF ALL DUCT MOUNTED AIR FLOW MONITORING STATIONS.
18. WEB-BASED USER INTERFACE (INCLUDING DATA COLLECTION AND TRENDING CAPABILITIES) SHALL BE FULLY OPERATIONAL AND ACCESSIBLE REMOTELY PRIOR TO BUILDING FINAL INSPECTION. REMOTE CHECK-OUT OF BUILDING AUTOMATION SYSTEM SHALL BE PART OF THE FINAL INSPECTION PROCESS.
19. CONTRACTOR TO VERIFY LOCATIONS OF ALL TEMPERATURE/HUMIDITY/PRESSURE SENSORS WITH ENGINEER/OWNER PRIOR TO ROUGH-IN.

CONTROL SEQUENCE - UNOCCUPIED HIGH/LOW LIMITS

1. BAS SHALL COMMAND ON THE UNIT CONTROLS BASED ON A 365 DAY PER YEAR, TIME-OF-DAY SCHEDULE, WHICH IS ADJUSTED BY OPTIMUM START AND SCHEDULED STOP PROGRAM CALCULATIONS. ONCE COMMANDED ON, UNIT CONTROLS SHALL REMAIN ENABLED FOR A MINIMUM OF 30 MINUTES.
2. BAS SHALL COMMAND ON THE BUILDING CONTROLS PRIOR TO OCCUPANCY TIME AS DETERMINED BY THE OPTIMUM START CALCULATION. THE PERIOD BETWEEN UNIT START AND OCCUPANCY TIME IS REFERRED TO AS THE SPACE PRE-CONDITIONING PERIOD. AT THE END OF THIS PERIOD, THE OCCUPIED MODE BEGINS AND CONTINUES UNTIL THE BUILDING CONTROLS ARE DISABLED. THE BAS SHALL STOP THE BUILDING CONTROLS AT THE END OF THE OCCUPANCY TIME AS DETERMINED BY THE TIME OF DAY SCHEDULE.
3. IF OUTDOOR TEMPERATURE IS ABOVE 60F (ADJUSTABLE) THE OPTIMUM START CALCULATIONS ARE BASED ON COOLING CONDITIONS, OTHERWISE THEY ARE BASED ON HEATING CONDITIONS.
4. UNOCCUPIED LIMITS:

   CONTRACTOR TO SELECT 4 TYPICAL TERMINAL UNIT TEMPERATURE SENSORS FOR AHU'S UNOCCUPIED AND OPTIMUM START SEQUENCES.

   LOW TEMPERATURE LIMIT: WHEN THE DDC SCHEDULE IS IN THE UNOCCUPIED MODE AND SPACE TEMPERATURE FALLS BELOW 55F (ADJUSTABLE) THE UNIT CONTROLS SHALL BE ENERGIZED AND STAY ON UNTIL THE SPACE TEMPERATURE RISES BY 5F (ADJUSTABLE).

   HIGH TEMPERATURE LIMIT: WHEN THE DDC SCHEDULE IS IN THE UNOCCUPIED MODE AND SPACE TEMPERATURE RISES ABOVE 85F (ADJUSTABLE) THE UNIT CONTROLS SHALL BE ENERGIZED AND STAY ON UNTIL THE SPACE TEMPERATURE FALLS BY 5F (ADJUSTABLE).

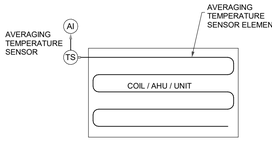
   HIGH HUMIDITY LIMIT: WHEN THE DDC SCHEDULE IS IN THE UNOCCUPIED MODE AND SPACE RELATIVE HUMIDITY RISES ABOVE 60% RH (ADJUSTABLE) THE UNIT CONTROLS SHALL BE ENERGIZED AND STAY ON UNTIL THE SPACE RELATIVE HUMIDITY FALLS BY 5% (ADJUSTABLE).

CONTROLS - AS-BUILT DRAWINGS & MANUALS

GENERAL CONTROL NOTES:

THE ELECTRONIC VERSION OF THE AS-BUILT CONTROLS DRAWINGS AND MANUALS SHOULD BE PROVIDED AND INSTALLED ON THE BAS SERVER AND A LINK SHOULD BE PROVIDED ON THE MAIN GRAPHIC PAGE. ALL DUCT STATIC PRESSURE SENSOR LOCATIONS SHALL BE LOCATED ON BOTH THE BAS SERVER AND AS-BUILT DRAWINGS.

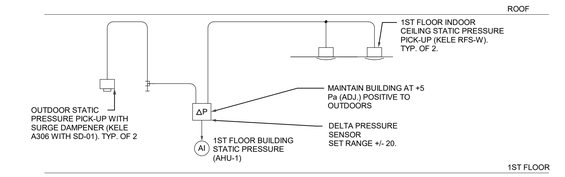
AN ELECTRONIC VERSION OF THE AS-BUILT PROJECT DRAWINGS SHOULD BE PROVIDED TO MAINTENANCE.



NOTES:
1. AVERAGING TEMPERATURE SENSOR SHALL HAVE ONE FOOT OF ELEMENT LENGTH PER THREE SQUARE FOOT OF COIL / UNIT SURFACE EVENLY DISTRIBUTED OVER THE COIL / UNIT SURFACE AS SHOWN IN DETAIL.
2. MULTIPLE AVERAGING TEMPERATURE SENSORS MAY BE REQUIRED TO MEET THE ONE FOOT OF ELEMENT PER TWO SQUARE FOOT OF COIL / UNIT SURFACE AND IN THIS EVENT THE MULTIPLE AVERAGING TEMPERATURE SENSORS SHALL BE WIRED TO PROVIDE THE CORRECT AVERAGE TEMPERATURE TO THE DDC SYSTEM..
3. AVERAGING TEMPERATURE SENSORS SHALL BE INSTALLED PER MANUFACTURER RECOMMENDATIONS AT REGULAR INTERVALS TO COVER THE ENTIRE COIL / UNIT.
4. AVERAGING TEMPERATURE SENSORS SHALL BE INSTALLED PER MANUFACTURE'S RECOMMENDATIONS IN A MANNER TO PREVENT THE ELEMENT FROM BEING DAMAGED FROM VIBRATION.

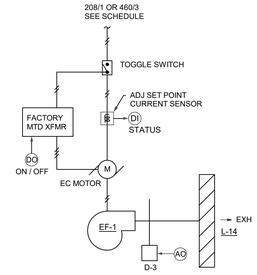
AHU DUCT AVERAGING TEMPERATURE SENSOR DETAIL

SCALE: NONE



CONTROL DIAGRAM : BUILDING PRESSURIZATION CONTROL

SCALE: NONE

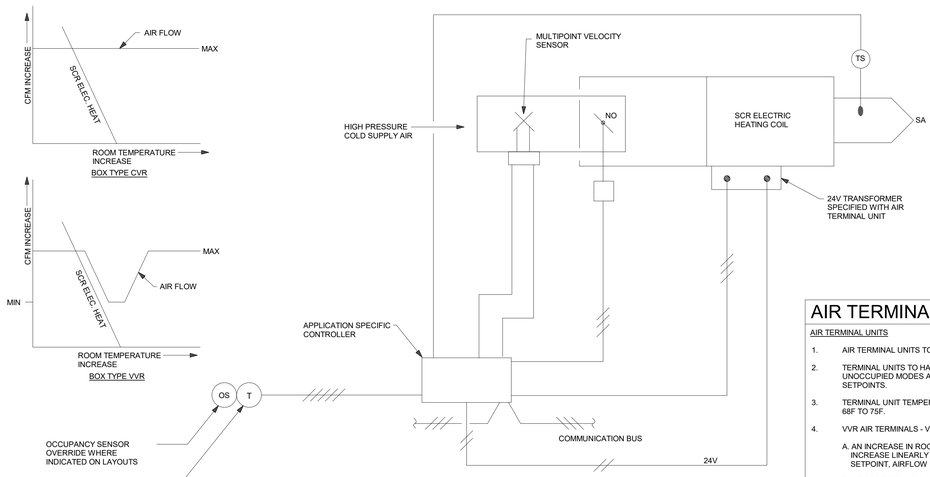


EXHAUST FAN CONTROLS WITH ECM MOTOR

SCALE: NONE

CONTROL SEQUENCE - EXHAUST FAN WITH EC MOTOR

EXHAUST FAN IS ENABLED AND DISABLED BY THE BAS AND INTERLOCKED WITH AHU-1. DAMPER D-3 SHALL BE POWERED OPEN WHEN FAN IS ENABLED. THE FAN SPEED IS ADJUSTED BY THE TAB AGENCY AT THE MOTOR MOUNTED SPEED DIAL.



NOTE: CONTRACTOR IS RESPONSIBLE FOR ENSURING AIR TERMINAL UNIT WITH CONTROLLER IS UL-LISTED AS A UNIT FOR INSTALLATION SHOWN ON DRAWINGS AND PER THE CITY STANDARDS.

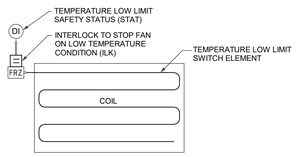
AIR TERMINAL CONTROL DIAGRAM - ELECTRIC REHEAT

SCALE: NONE

AIR TERMINAL UNIT CONTROLS:

AIR TERMINAL UNITS

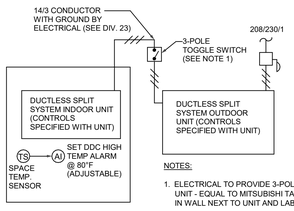
1. AIR TERMINAL UNITS TO BE CONTROLLED BY THE BAS.
2. TERMINAL UNITS TO HAVE SEPARATE HEATING AND COOLING SETPOINTS FOR OCCUPIED AND UNOCCUPIED MODES AND SEPARATE HEATING AND COOLING MINIMUM AND MAXIMUM AIR FLOW SETPOINTS.
3. TERMINAL UNIT TEMPERATURE SENSOR SETPOINTS SHALL BE SOFTWARE-LIMITED TO RANGE FROM 68F TO 75F.
4. VVR AIR TERMINALS - VARIABLE VOLUME REHEAT:
   A. AN INCREASE IN ROOM TEMPERATURE OVER COOLING SETPOINT CAUSES AIRFLOW TO INCREASE LINEARLY UP TO COOLING MAXIMUM. WHEN SPACE TEMPERATURE IS BELOW COOLING SETPOINT, AIRFLOW IS AT BOX MINIMUM.
   B. A DECREASE IN ROOM TEMPERATURE BELOW THE HEATING SETPOINT CAUSES AIRFLOW TO MODULATE TO MATCH SCR ELECTRIC HEAT.
5. CVR AIR TERMINALS - CONSTANT VOLUME REHEAT:
   A. AIRFLOW IS CONSTANT. A DECREASE IN ROOM TEMPERATURE BELOW THE HEATING SETPOINT CAUSES SCR ELECTRIC HEATER TO MODULATE TO MAINTAIN SPACE TEMPERATURE SETPOINT.
6. ROOM SENSOR OVERRIDE BUTTON SHALL SEQUENCE AIR HANDLER INTO OCCUPIED MODE FOR FOUR HOURS (ADJUSTABLE).



NOTES:
1. A MANUAL RESET TEMPERATURE LOW LIMIT (TLL) SWITCH WITH DPST OR DPDT CONTACTS FOR HARDWIRE INTERLOCK TO FANS AND DDC MONITORING SHALL BE PROVIDED. CONTACTS SHALL INCLUDE OPEN ON ALARM CONTACT FOR FAN SHUTDOWN AND A CLOSE ON ALARM CONTACT FOR ALARM STATUS.
2. TEMPERATURE LOW LIMIT SHALL HAVE ONE FOOT OF ELEMENT LENGTH PER ONE SQUARE FOOT OF COIL SURFACE, EVENLY DISTRIBUTED OVER THE COIL SURFACE AS SHOWN IN DETAIL.
3. MULTIPLE TEMPERATURE LOW LIMIT SWITCHES MAY BE REQUIRED TO MEET THE ONE FOOT OF ELEMENT PER ONE SQUARE FOOT OF COIL SURFACE AND IN THIS EVENT THE MULTIPLE TEMPERATURE LOW LIMIT SWITCHES SHALL BE WIRED IN SERIES FOR FAN SHUTDOWN AND WIRED IN PARALLEL FOR ALARM STATUS.
4. INTERLOCK WIRING FROM THE TEMPERATURE LOW LIMIT SWITCH TO THE FAN CONTROLLER IS BY DIVISION 25.
5. TEMPERATURE LOW LIMIT SWITCH SHALL BE INSTALLED PER MANUFACTURER RECOMMENDATIONS AT REGULAR INTERVALS NOTED TO COVER THE ENTIRE COIL.
6. TEMPERATURE LOW LIMIT (TLL) SWITCHES SHALL HAVE SETPOINT ADJUSTMENT AND MANUAL RESET AT THE SWITCH.
7. TEMPERATURE LOW LIMIT SWITCH SHALL BE INSTALLED PER MANUFACTURE'S RECOMMENDATIONS IN A MANNER TO PREVENT THE ELEMENT FROM BEING DAMAGED FROM VIBRATION.

AHU TEMPERATURE LOW LIMIT SWITCH DETAIL

SCALE: NONE



NOTES:
1. ELECTRICAL TO PROVIDE 3-POLE AC SWITCH AT INDOOR UNIT - EQUAL TO MITSUBISHI TAZ-MS303. MOUNT IN WALL NEXT TO UNIT AND LABEL "AC UNIT".

CONTROL DIAGRAM - DUCTLESS SPLIT SYSTEM

SCALE: NONE

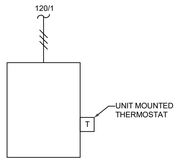
TAGS: DS-1, DS-2, DS-3, DS-4, DS-5, DS-6

DUCTLESS SPLIT SYSTEMS

CONTROL SEQUENCE - DUCTLESS SPLIT SYSTEMS

EACH DUCTLESS SPLIT SYSTEM AC UNIT SHALL HAVE CONTROLS SPECIFIED WITH UNIT. UNIT SHALL CYCLE FAN AND COOLING OPERATION TO MAINTAIN SPACE TEMPERATURE SETPOINT.

THE BAS SHALL MONITOR SPACE TEMPERATURE IN SPACES SERVED BY DUCTLESS SPLIT SYSTEM UNITS. THE BAS SHALL ACTIVATE AN ALARM AT THE USER INTERFACE IF SPACE TEMPERATURE EXCEEDS 80 DEGREES F (ADJUSTABLE).

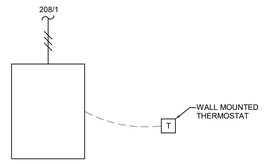


ELECTRIC WALL HEATER

UNIT-MOUNTED THERMOSTAT, SPECIFIED WITH EQUIPMENT, SHALL CYCLE HEATER OPERATION TO MAINTAIN SPACE TEMPERATURE SETPOINT.

ELECTRIC WALL HEATER CONTROL

SCALE: NONE



ELECTRIC CEILING HEATER

WALL-MOUNTED THERMOSTAT SHALL CYCLE HEATER OPERATION TO MAINTAIN SPACE TEMPERATURE SETPOINT.

ELECTRIC CEILING HEATER CONTROL

SCALE: NONE

GMC
2400 5th Avenue South, Suite 200
Birmingham, AL 35233
T 205.879.4462
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ISSUE	DATE
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HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

GMC # ABHM250019

ALABAMA LICENSED No. 52167 PROFESSIONAL ENGINEER Kelon Knowles April 27, 2026 KELON M. KNOWLES 12-25-0053

CONTROLS - HVAC

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CONTROL SEQUENCES - AHU-1:

AIR HANDLER IS A VARIABLE VOLUME AC UNIT AND CONSISTS OF A UNIT-MOUNTED OSA DAMPER (D-1.1), INTERNAL RETURN AIR DAMPER, (6) EXTERNAL RELIEF AIR DAMPERS, CHILLED WATER COOLING COIL, ELECTRIC PRE-HEAT COIL, SUPPLY AIR FANWALL, AND PRE-FILTER. THE SUPPLY FANS ARE SUPPLIED WITH A VARIABLE FREQUENCY DRIVE. CONTROLS INCLUDE OSA AIRFLOW CONTROL, AIR ENTERING CHILLED WATER COIL LOW LIMIT CONTROL, DISCHARGE AIR TEMPERATURE CONTROL, SUPPLY DUCT STATIC CONTROL, HIGH/LOW LIMIT STATIC PRESSURE CONTROL, ETC. SEE CONTROL DIAGRAM FOR ADDITIONAL UNIT CONTROLS REQUIRED. THE UNIT SHALL BE CONTROLLED THROUGH THE BAS AS FOLLOWS:

1. BUILDING AUTOMATION SYSTEM INTERFACE: THE BUILDING AUTOMATION SYSTEM (BAS) WILL SEND THE CONTROLLER OCCUPIED AND UNOCCUPIED COMMANDS. THE BAS WILL ALSO SEND A DISCHARGE AIR TEMPERATURE SETPOINT AND A DUCT STATIC PRESSURE SETPOINT. IF COMMUNICATION IS LOST WITH THE BAS, THE CONTROLLER WILL OPERATE IN THE OCCUPIED COOLING MODE USING ITS DEFAULT DISCHARGE AND DUCT STATIC PRESSURE SETPOINTS.

2. SUPPLY FAN CONTROL:

   A. THE SUPPLY FAN IS STARTED AND STOPPED FROM THE HAND-OFF-AUTO SWITCH LOCATED ON THE FRONT OF ITS VARIABLE FREQUENCY DRIVE. SUPPLY FAN SUBJECT TO HIGH STATIC PRESSURE CUT-OUT, LOW LIMIT TSTAT IN AIR STREAM ENTERING COOLING COIL AND SIGNAL FROM FIRE ALARM SYSTEM. IN THE HAND MODE, THE FAN SHALL RUN CONTINUOUSLY AND ITS SPEED SHALL BE CONTROLLED MANUALLY AT THE VFD FRONT PANEL. IN THE AUTO MODE, THE FAN START-STOP SHALL BE CONTROLLED BY THE BAS AS FOLLOWS: AIR HANDING UNIT SHALL BE ENABLED BY THE BAS BASED ON A 365 DAY SCHEDULE ADJUSTED BY UNOCCUPIED HIGH/LOW LIMITS.

   B. SUPPLY FAN SPEED CONTROL: SUPPLY FAN SPEED SHALL BE MODULATED BY CONTROLLER TO MAINTAIN SUPPLY DUCT STATIC PRESSURE SETPOINT. STATIC PRESSURE SETPOINT SHALL BE RESET AS FOLLOWS: THE AIR TERMINAL UNIT WITH ITS INLET DAMPER MOST OPEN SHALL DETERMINE THE SUPPLY DUCT STATIC PRESSURE SETPOINT, BASED ON THE FOLLOWING RESET PI CONTROL LOOP: THE STATIC PRESSURE RESET CONTROL LOOP SHALL BE A DIRECT ACTING CONTROL LOOP AND SHALL RESET THE STATIC PRESSURE SETPOINT FROM A MINIMUM OF 0.5" WG TO A MAXIMUM OF 1.5" WG (T&B AGENCY SHALL VERIFY REQUIRED MAXIMUM STATIC PRESSURE SETPOINT) AS REQUIRED TO MAINTAIN THE MOST OPEN TERMINAL UNIT DAMPER 95% (ADJ.) OPEN. THE SPEED COMMAND SHALL BE SENT TO THE FAN CONTROLLER VIA A HARDWIRED ANALOG OUTPUT.

   C. THERE SHALL BE AN AVERAGING, MANUAL RESET, TWO-POSITION, LOW LIMIT THERMOSTAT (FREEZESTAT) PLACED IN THE AIR STREAM ENTERING THE COOLING COIL. THE LOW LIMIT THERMOSTAT SHALL HAVE A MANUAL RESET POINT OF 40 DEGREES F (ADJUSTABLE). WHEN THE ENTERING AIR TEMPERATURE DROPS BELOW THE LOW LIMIT SET POINT, THE THERMOSTAT WILL TRIP AND THE SUPPLY FAN WILL SHUT DOWN. A BAS ALARM IS GENERATED WHENEVER A LOW TEMPERATURE CONDITION IS DETECTED. A MANUAL RESET IS REQUIRED TO RESTART THE FAN. A HARDWIRED, HIGH STATIC PRESSURE CUT-OFF SWITCH IS ELECTRICALLY INTERLOCKED WITH THE VARIABLE SPEED DRIVE. IF THE HIGH STATIC PRESSURE CUT-OFF SWITCH IS TRIPPED, THE FAN WILL STOP, THE OUTSIDE AIR DAMPER WILL CLOSE, ALL HEATING/COOLING WILL BE DISABLED, AND AN ALARM WILL BE ANNUNCIATED. A MANUAL RESET OF THE HIGH STATIC PRESSURE CUT-OFF SWITCH WILL BE REQUIRED TO RESTART THE FAN. **T&B AGENCY TO SET HIGH STATIC PRESSURE SETPOINT.**

   D. IF THE SUPPLY FAN FAILS TO PROVE STATUS FOR 30 SECONDS (ADJ.), THE FAN WILL BE TURNED OFF, THE OUTSIDE AIR DAMPER AND ALL COOLING/HEATING WILL BE DISABLED, AND AN ALARM WILL BE ANNUNCIATED. A MANUAL RESET IS REQUIRED TO RESTART THE FAN.

   E. UNOCCUPIED HIGH/LOW LIMIT FAN OPERATION: FAN IS NORMALLY OFF WHEN THE BAS SCHEDULE IS IN THE UNOCCUPIED MODE. FAN IS ENERGIZED BY THE UNOCCUPIED HIGH/LOW TEMPERATURE PROGRAM AS DESCRIBED ABOVE.

   F. DUCT-MOUNTED SMOKE DETECTORS SHALL BE PROVIDED (SEE ELECTRICAL) IN RETURN DUCT PRIOR TO MIXING WITH OUTSIDE AIR AND IN SA DUCT (VERIFY LOCATIONS AND TOTAL NUMBER BASED ON SYSTEM LAYOUT). SUPPLY FAN SHALL BE INTERLOCKED WITH SIGNAL FROM FIRE ALARM SYSTEM FOR FAN SHUTDOWN. INTERLOCK SHALL BE WIRED DIRECTLY TO VARIABLE FREQUENCY DRIVE PANEL FOR SHUTDOWN IF FAN IS IN THE AUTO OR HAND START POSITION. WHEN THE SUPPLY FAN IS STOPPED DUE THE SMOKE DETECTOR INTERLOCK, ALL VALVES AND DAMPERS SHALL RETURN TO THEIR NORMAL SPRING-RETURN POSITION REGARDLESS OF COMMAND FROM THE BAS.

   G. BAS ALARM SHALL BE GENERATED WHENEVER THE SUPPLY FAN FAILS TO RESPOND TO ON-OFF COMMANDS.

3. DISCHARGE AIR TEMPERATURE CONTROL (TS-SA):

   A. OCCUPIED AND UNOCCUPIED MODES:
      (1) DURING OCCUPIED PERIODS (TEMPERATURE CONTROL) THE SUPPLY FAN WILL RUN CONTINUOUSLY AND THE OUTSIDE AIR DAMPER WILL OPEN FULLY BEFORE THE FAN STARTS. ALL VALVES WILL MODULATE TO MAINTAIN THE DISCHARGE AIR TEMPERATURE COOLING SETPOINT (54°F ADJ.). IF THE DISCHARGE AIR TEMPERATURE SENSOR FAILS DURING NORMAL OPERATION, ALL ASSOCIATED VALVES WILL CLOSE AND AN ALARM WILL BE ANNUNCIATED.
      (2) WHEN ODT IS BELOW 55F, THE AIR TERMINAL UNIT WITH THE HIGHEST PERCENT DEMAND FOR COOLING SHALL DETERMINE DISCHARGE AIR SET POINT, BASED ON THE FOLLOWING RESET SCHEDULE: DEMAND FOR COOLING = 95%, DISCHARGE AIR=54F; DEMAND FOR COOLING = 75%, DISCHARGE AIR=65F.

4. ELECTRIC HEAT CONTROL:

   A. WHEN THE SUPPLY FAN IS ON, THE BAS SHALL MODULATE THE ELECTRIC HEAT COIL TO MAINTAIN MINIMUM 50°F (ADJ) IN THE AIR STREAM ENTERING THE COOLING COIL.

   B. OCCUPIED AND UNOCCUPIED MODES: THE BAS SHALL MODULATE ELECTRIC HEAT COIL IN SEQUENCE WITH CHILLED WATER VALVE TO MAINTAIN DISCHARGE AIR TEMPERATURE SETPOINT.

   C. IF FREEZESTAT TRIPS, THE BAS SHALL COMMAND ELECTRIC HEAT COIL TO 100% OUTPUT. BAS ALARM SHALL BE GENERATED WHENEVER ELECTRIC HEATING COIL FAILS TO RESPOND.

5. CHILLED WATER VALVE CONTROL (V-1)

   A. WHEN THE SUPPLY FAN IS OFF, THE BAS SHALL COMMAND THE CHILLED WATER VALVE CLOSED.

   B. OCCUPIED AND UNOCCUPIED MODES: THE CHILLED WATER VALVE SHALL BE MODULATED BY THE BAS TO MAINTAIN THE DISCHARGE AIR TEMPERATURE SETPOINT.

   C. IF THE ODT IS 53F OR LOWER, BAS SHALL COMMAND THE CHILLED WATER VALVE CLOSED, UNLESS THE ECONOMIZER MODE IS LIMITED BY THE RETURN AIR LOW LIMIT HUMIDITY OVERRIDE. SEE ECONOMIZER CONTROL SEQUENCE BELOW.

   D. IF FREEZESTAT TRIPS, THE BAS SHALL COMMAND THE CHILLED WATER VALVE 100% OPEN. BAS ALARM SHALL BE GENERATED WHENEVER CHILLED WATER VALVE FAILS TO RESPOND.

6. OUTSIDE AIR DAMPER CONTROL (D-1.1 D-1.2, D-1.3, D-1.4, D-1.5, D-1.6, D-1.7, AND D-1.8):

   A. OCCUPIED MODE: DUCT MOUNTED MIN. OUTSIDE AIR DAMPER (D-1.1) SHALL BE COMMANDED OPEN WHEN THE AC UNIT RUNS IN THE OCCUPIED MODE. DAMPER MODULATES TO MAINTAIN CONSTANT OUTSIDE AIR (PER SCHEDULE) AS MEASURED BY AN AIRFLOW MONITOR MOUNTED IN OSA INLET DUCT. WHEN SUPPLY FAN IS OFF, THE BAS SHALL COMMAND OSA DAMPER CLOSED.

   B. DUCT MOUNTED MAX OSA DAMPERS (D-1.2, D-1.3, D-1.4, D-1.5, D-1.6, D-1.7, AND D-1.8): SEE ECONOMIZER CONTROL SEQUENCE BELOW.

7. RETURN DAMPER CONTROL (D-2):

   A. OCCUPIED AND UNOCCUPIED MODES: RETURN DAMPER D-2 SHALL NORMALLY BE WIDE OPEN.

   B. IF OSA DAMPER IS D-1.1 IS 100% OPEN FOR 15-MINUTES AND MINIMUM OSA AIRFLOW IS BELOW SETPOINT, RETURN DAMPER D-2 SHALL BE MODULATED PARTIALLY CLOSED UNTIL MINIMUM OSA SETPOINT IS OBTAINED.

   C. WHEN THE SUPPLY FAN STATUS IS OFF, THE BAS SHALL COMMAND RETURN DAMPER D-2 OPEN.

8. ECONOMIZER CONTROL:

   A. THE BAS SHALL MONITOR THE OUTDOOR TEMPERATURE VIA AN OUTDOOR TEMPERATURE SENSOR. WHEN ODT FALLS BELOW THE SET POINT OF 55F (ADJ.), THE BAS SHALL SWITCH THE AHU INTO ECONOMIZER MODE. THE BAS SHALL MODULATE OSA DAMPERS, RETURN DAMPERS, RELIEF DAMPER, AND RETURN AIR FAN TO MAINTAIN DESIRED SUPPLY TEMPERATURE WITHOUT REDUCING THE OUTSIDE AIR BELOW THE MINIMUM SETPOINT. **(CONTROLS CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR TO SET TERMS FOR ECONOMIZER MODE).**

   B. THE BAS SHALL MODULATE OSA DAMPERS (D-1.2, D-1.3, D-1.4, D-1.5, D-1.6, D-1.7, AND D-1.8) AND THE RETURN AIR DAMPER (D-2) TOGETHER (REVERSE ACTION) TO MAINTAIN THE MIXED AIR TEMPERATURE SETPOINT. MIXED AIR TEMPERATURE SETPOINT SHALL BE EQUAL TO THE DISCHARGE AIR TEMPERATURE SETPOINT MINUS 4F (FAN HEAT).

   C. WHEN OSA DAMPERS ARE MODULATED FULLY OPEN, RELIEF DAMPERS (D-1-8, D-1.9, D-1.10, D-1.11, D-1.12, AND D-1.13) SHALL MODULATE TOWARDS OPEN AND RETURN AIR DAMPER (D-2) MODULATES TOWARDS CLOSED. RELIEF AIR DAMPERS (D-1-8, D-1.9, D-1.10, D-1.11, D-1.12, AND D-1.13) SHALL MODULATE TO MAINTAIN THE BUILDING PRESSURE SETPOINT OF 0.02" W.C. T & B AGENCY TO VERIFY SETPOINT.

   D. WHEN THE ODT FALLS BELOW THE SETPOINT OF 35F (ADJ.), THE BAS SHALL SWITCH THE AHU OUT OF ECONOMIZER MODE.

   E. UNOCCUPIED LOW LIMIT MODE: ECONOMIZER CYCLE DOES NOT OPERATE.

   F. UNOCCUPIED HIGH LIMIT MODE: SAME AS OCCUPIED MODE.

9. FILTER STATUS

   A. THE BAS SHALL MONITOR THE PRESSURE DROP ACROSS THE PRE FILTERS AND ALARM THE OPERATORS WORK STATION IF THE STATIC PRESSURE DROP EXCEEDS SETPOINT (ADJ.). **T & B AGENCY TO VERIFY REQUIRED MAX STATIC SETPOINT.**

CONTROL SEQUENCES - CHILLED WATER SYSTEMS:

CHILLED WATER SYSTEM

THE CHILLED WATER SYSTEM IS A VARIABLE PRIMARY PUMPING SYSTEM WITH A PACKAGED AIR-COOLED CHILLER WITH FACTORY INSTALLED PRIMARY CHILLED WATER PUMPS WITH VFD'S. THE PRIMARY PUMPS ARE EQUIPPED WITH FACTORY MOUNTED VARIABLE FREQUENCY DRIVES (VFD). CONTROLS INCLUDE CHILLED WATER SUPPLY & RETURN TEMPERATURE CONTROL, MIN. CHILLED WATER FLOW, AND CHILLED WATER SYSTEM DIFFERENTIAL PRESSURE CONTROL.

1.) THE CHILLED WATER SYSTEM IS ENABLED IF:

   a. THE OAT IS ABOVE 50°F (ADJUSTABLE) AND THE AIR HANDLER IS IN THE OCCUPIED MODE OR, THE SUM OF THE AIR HANDLING UNIT CHILLED WATER VALVES PERCENT DEMAND OPEN IS EQUAL TO OR GREATER THAN 50% (ADJUSTABLE).
   b. CHILLED WATER SYSTEM TO BE LOCKED OUT IF OAT IS BELOW 40°F (ADJUSTABLE). UNLESS THE REQUIREMENTS OF 1a. ARE MET.
   c. ONCE ENABLED, THE CHILLED WATER SYSTEM SHALL RUN FOR A MINIMUM OF 30 MINUTES.

2.) CHILLED WATER SUPPLY TEMPERATURE RESET: THE CHILLED WATER SUPPLY TEMPERATURE SHALL BE RESET BASED ON OSA TEMPERATURE. THE RESET SHALL BE BASED ON A TABLE WHERE THE CHILLED WATER SUPPLY TEMPERATUER SET POINT RESETS FROM 45°F (ADJ.) TO 48°F (ADJ.) WHEN THE OUTSIDE AIR DEWPOINT IS 55°F (ADJ.) TO 48°F (ADJ.)

4.) CHILLED WATER PUMP DIFFERENTIAL PRESSURE SET POINT RESET:

   a. THE CHILLED WATER DIFFERENTIAL PRESSURE SET POINT SHALL BE RESET BASED ON THE AIR HANLDING UNITS CHILLED WATER VALVE POSITION. THE CHILLED WATER DIFFERENTIAL PRESSURE SET POINT CONTROL LOOP SHALL BE A DIRECT ACTING PI CONTROL LOOP AND SHALL RESET THE DIFFERENTIAL PRESSURE SET POINT FROM A MINIMUM SETPOINT (BASED ON MINIMUM CHILLER FLOW) TO A MAXIMUM SETPOINT AS REQUIRED TO MAINTAIN THE HIGHEST AIR HANDLING UNITS CHILLED WATER VALVE AT 95% (ADJ.).

5.) THE FACTORY MOUNTED CHILLED WATER PUMPS SHALL BE CONTROLLED BY CONTROLS SPECIFIED WITH THE CHILLER. PUMPS OPERATIONAL STATUS SHALL BE VISIBLE THRU THE CENTRAL BUILDING AUTOMATION SYSTEM. CHP-1A SHALL BE LEAD PUMP AND CHP-1B SHALL BE STANDBY.

   a. CHILLER CONTROLS SHALL CYCLE LEAD AND LAG PUMPS ON A WEEKLY BASIS.

6.) THE CHILLER CONTROLS FOR CH-1 IS ENABLED BY THE BAS. WHEN THE CHILLER IS ENABLED, THE CHILLER SHALL ENABLE ITS RESPECTIVE PRIMARY CHILLED WATER PUMP. THE CHILLER CONTROLS SHALL CYCLE COMPRESSORS TO MAINTAIN THE CHILLED WATER DISCHARGE TEMPERATURE SET POINT SUBJECT TO A FLOW SWITCH IN THE CHILLED WATER LINE LEAVING THE CHILLER, AND AUXILIARY CONTACTS IN THE STARTER OF ITS RESPECTIVE PRIMARY PUMP, AND OTHER INTERNAL SAFETIES SPECIFIED WITH THE CHILLERS. ONCE ENABLED, CHILLER SHALL RUN FOR A MINIMUM OF 30 MINUTES.

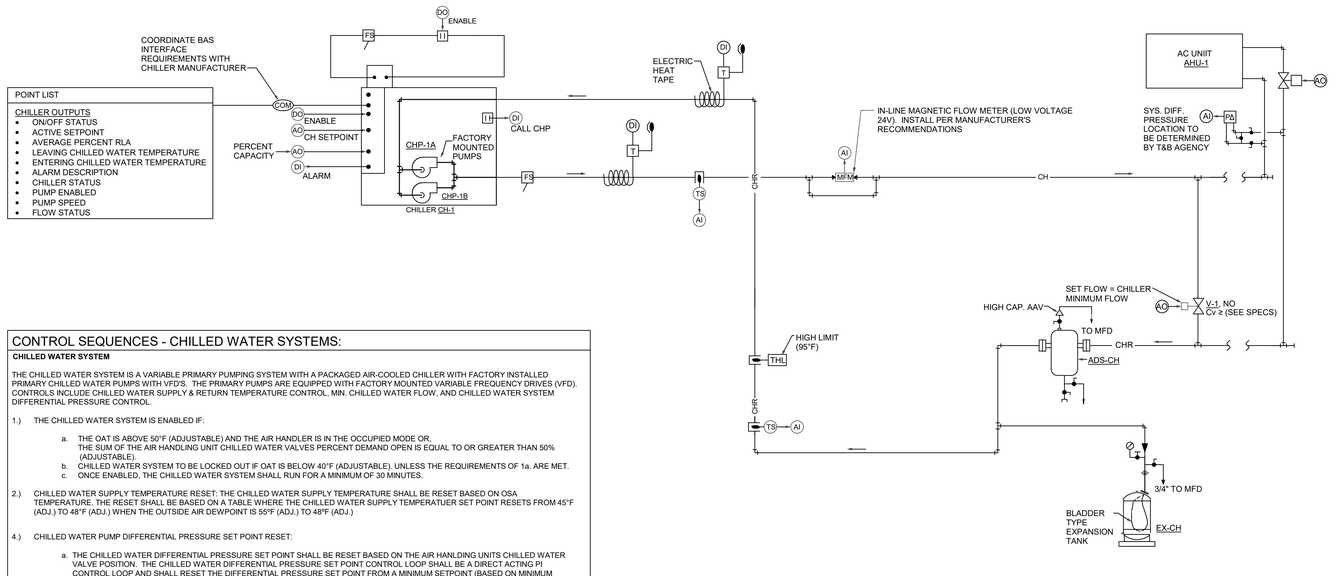
7.) THE CONTROL SYSTEM SHALL MODULATE BY-PASS VALVE V-1 TO MAINTAIN MINIMUM FLOW THROUGH THE CHILLER AS MEASURED BY FLOW METER IN LINE LEAVING THE CHILLER. THE VALVE COMMAND SHALL BE CONTROLLED BY A REVERSE ACTING PI LOOP PER TABLE 7.A. MINIMUM FLOW EQUALS 270 GPM FOR CHILLER. VERIFY MINIMUM FLOW SETTINGS WITH CHILLER START UP TECHNICIAN.

TABLE - 7.A - CHILLED WATER MINIMUM FLOW VALVE CONTROL

PILOOP % (REVERSE)	VALVE %
0% (ADJ.)	0%
100% (ADJ.)	100%

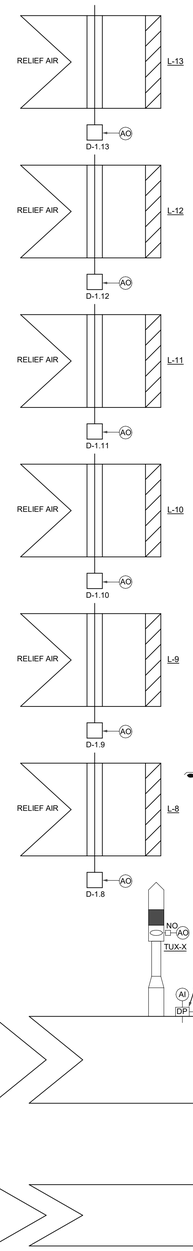
10.) THE BAS SHALL MONITOR THE ALARM STATUS OF THE CHILLER AND THE STATUS OF ALL PUMPS. IF THE LEAD CHILLER OR LEAD PRIMARY PUMP FAILS TO RUN WHEN COMMANDED ON, THE BAS SHALL START THE LAG PUMP AND GENERATE AN ALARM AT THE GRAPHICAL USER INTERFACE.

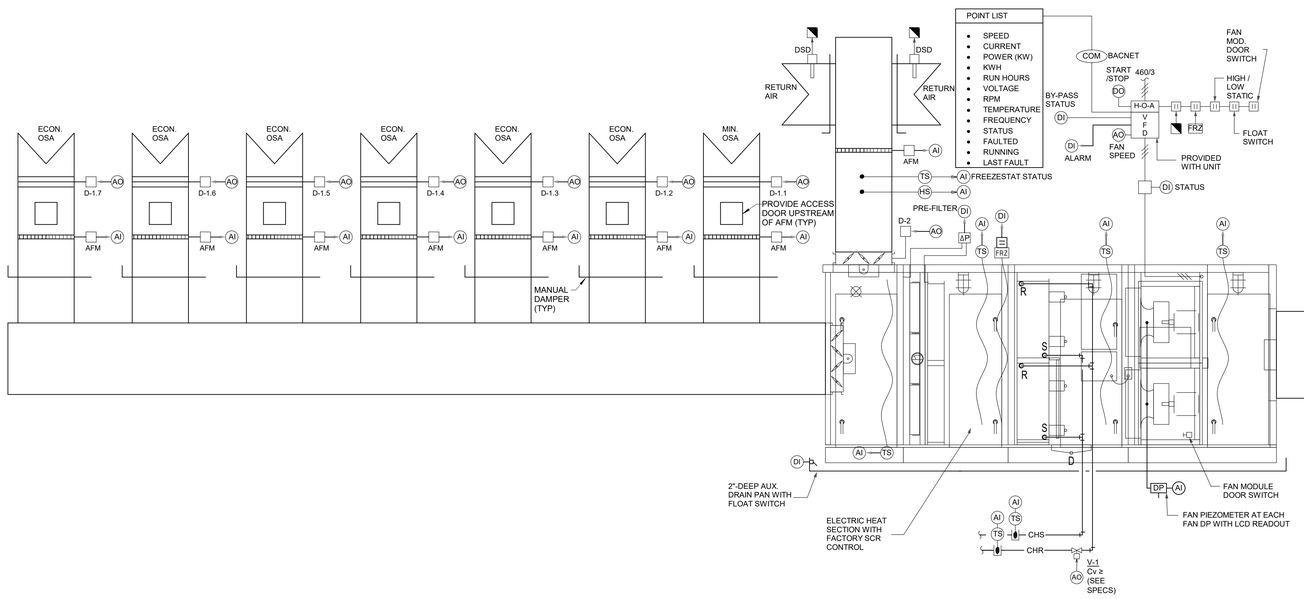
11.) CHILLER SHUTDOWN OR CHILLER FAILURE: THIS CONTRACTOR SHALL COORDINATE WITH THE OWNER REGARDING THE EVENT OF A DOWN CHILLER (MAINTENANCE, FAILURE, ETC.). IN THIS EVENT, THE PREVENTION OF CIRCULATING CHILLED WATER TO THE AIR HANDLING UNIT WILL BE NECESSARY.



CONTROL DIAGRAM - CHILLED WATER SYSTEM

SCALE: NONE





AHU-1 CONTROL DIAGRAM

GMC

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

ENFRA ENGINEERING

ISSUE	DATE
ISSUE FOR BID	04.27.2026

DRAWN BY: MDA
CHECKED BY: KLT

HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

GMC # ABHM250019

ALABAMA LICENSED No. 52167 PROFESSIONAL ENGINEER Kelsey Thrasher April 27, 2026 KELSEY M. THRASHER 12-25-0053

CONTROLS - HVAC

M7.02

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4/27/2026 4:22:34 PM TEMPLATE VERSION: 2021.1

ADA REQUIREMENTS

THIS APPLIES TO ADA ACCESSIBLE FIXTURES ONLY.

WATER CLOSETS: THE HEIGHT OF WATER CLOSETS SHALL BE 17" TO 19" MEASURED TO THE TOP OF THE TOILET SET. SEATS SHALL NOT BE SPRUNG TO RETURN TO A LIFTED POSITION. THE WATER CLOSET SHALL BE LOCATED 18" FROM THE SIDE WALL TO THE CENTER LINE OF THE BOWL. HAND OPERATED FLUSH CONTROLS SHALL BE MOUNTED ON THE WIDE SIDE OF TOILET AREAS NO MORE THAN 29" ABOVE THE FINISH FLOOR. SEE ARCHITECTURAL DRAWINGS FOR GRAB BAR LOCATIONS.

URINALS: THE URINALS SHALL BE WALL HUNG WITH AN ELONGATED RIM AT A MAXIMUM OF 17" ABOVE THE FINISH FLOOR. HAND OPERATED FLUSH CONTROLS SHALL BE MOUNTED NO MORE THAN 44" ABOVE FINISH FLOOR.

LAVATORIES: LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER 34" ABOVE THE FINISH FLOOR. PROVIDE A CLEARANCE OF AT LEAST 29" ABOVE THE FINISH FLOOR TO THE BOTTOM OF THE APRON. KNEE SPACE SHALL BE 8" FROM BOTTOM EDGE OF APRON TO THE LEADING EDGE OF THE BOTTOM OF THE BOWL. THE BOTTOM OF THE BOWL SHALL BE A MINIMUM OF 27" ABOVE THE FINISH FLOOR. ALL WATER AND DRAIN PIPING UNDER LAVATORIES SHALL BE INSULATED WITH A FOAM INSERT COVERED WITH A 1/8" VINYL OUTER SHELL. ANGLE STOPS SHALL HAVE A FLIP TOP ACCESS.

FAUCETS - BATHTUB - SHOWER CONTROLS: CONTROLS SHALL BE LEVER HANDLES OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF.

BATHTUB: AN IN TUB SEAT OR A SEAT AT THE HEAD END OF THE TUB SHALL BE PROVIDED. SEATS SHALL BE MOUNTED SECURELY AND SHALL NOT SLIP DURING USE. IN ADDITION TO THE FIXED SHOWER HEAD PROVIDE A HAND HELD SHOWER SPRAY UNIT WITH A HOSE AT LEAST 60" LONG THAT CAN BE USED BOTH AS A FIXED SHOWER HEAD AND AS A HAND HELD SHOWER HEAD. SEE ARCHITECTURAL DRAWINGS FOR GRAB BAR LOCATIONS.

SHOWER: A SEAT SHALL BE PROVIDED IN SHOWER STALLS 36"X36". THE SEAT SHALL BE MOUNTED ON THE WALL OPPOSITE OF THE CONTROLS AND 17" TO 19" FROM THE BATHROOM FLOOR AND SHALL EXTEND THE FULL DEPTH OF THE STALL. SHOWER CONTROLS SHALL BE MOUNTED ON THE WALL OPPOSITE OF THE SEAT AND SHALL BE LOCATED ON THE SAME WALL AS THE SHOWER HEAD, AT MINIMUM HEIGHT OF 38" AND A MAXIMUM HEIGHT OF 48". IN ADDITION TO THE FIXED SHOWER HEAD PROVIDE A HAND HELD SHOWER SPRAY UNIT WITH A HOSE AT LEAST 60" LONG THAT CAN BE USED BOTH AS A FIXED SHOWER HEAD AND AS A HAND HELD SHOWER HEAD. IN A 30"X 60" SHOWER UNIT A FIXED SEAT SHALL BE PROVIDED, IT SHALL BE A FOLDING TYPE AND SHALL BE MOUNTED ON THE WALL ADJACENT TO THE CONTROLS. SEE ARCHITECTURAL DRAWINGS FOR GRAB BAR LOCATIONS.

SINKS: SINKS SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO HIGHER 34" ABOVE THE FINISH FLOOR. PROVIDE A KNEE CLEARANCE OF AT LEAST 27" HIGH, 30" WIDE, AND 19" DEEP. SINKS SHALL BE A MAXIMUM OF 6 1/2" DEEP. ALL WATER AND DRAIN PIPING UNDER LAVATORIES SHALL BE INSULATED WITH A FOAM INSERT COVERED WITH A 1/8" VINYL OUTER SHELL. ANGLE STOPS SHALL HAVE A FLIP TOP ACCESS.

DRINKING FOUNTAINS / WATER COOLERS: WHERE ONLY ONE DRINKING FOUNTAIN IS PROVIDED ON A FLOOR THERE SHALL BE A DRINKING FOUNTAIN WHICH IS ACCESSIBLE TO INDIVIDUALS WHO USE WHEEL CHAIRS AND ONE ACCESSIBLE TO THOSE HAVING DIFFICULTY BENDING OR STOOPING. THIS CAN BE ACCOMPLISHED BY USING A "HI-LO" FOUNTAIN, LOWEST SPOUT SHALL BE NO HIGHER THAN 36" ABOVE FINISHED FLOOR AND HIGHEST SPOUT SHALL BE MOUNTED AT 40" ABOVE FINISH FLOOR. SPOUTS SHALL BE AT FRONT OF THE UNIT AND SHALL DIRECT THE WATER FLOW IN A TRAJECTORY THAT IS PARALLEL OR NEARLY PARALLEL TO THE FRONT OF THE UNIT. THE SPOUT SHALL PROVIDE A FLOW OF WATER AT LEAST 4" HIGH. CONTROLS SHALL BE FRONT MOUNTED OR SIDE MOUNTED NEAR THE FRONT EDGE. CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 LBF. WALL MOUNTED UNITS SHALL HAVE A CLEAR KNEE SPACE OF BETWEEN THE BOTTOM OF THE APRON AND THE FINISHED FLOOR AT LEAST 27" HIGH, 30" WIDE, AND 17" TO 19" DEEP. FOUNTAINS SHALL NOT PROTRUDE MORE THAN 4" OUT INTO WALKWAYS.

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY LOCATION, SIZE, AND ELEVATION OF ALL EXISTING PIPING PRIOR TO INSTALLING ANY NEW PIPE.
2. ALL OUTSIDE CLEANOUTS SHALL BE BROUGHT TO GRADE AND EMBEDDED IN 18"X18"X6" THICK CONCRETE PAD. (J.R. SMITH 4258 OR EQUAL.)
3. WHEREVER DISSIMILAR METALS ARE CONNECTED ON WATER LINES, A DIELECTRIC NIPPLE SHALL BE USED.
4. ALL HORIZONTAL WATER, VENT, PIPING IS RUN ABOVE CEILING ON PLAN UNLESS OTHERWISE NOTED.
5. ALL WATER PIPING BELOW SLAB ON GRADE SHALL BE BENT UP AT ENDS SO THAT NO JOINTS OCCUR BELOW FLOOR.
6. COORDINATE ALL PIPE ROUTING TO AVOID CONFLICTS WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL FEATURES OF BUILDING.
7. PLUMBING DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL DETAILS OF THE WORK. OBTAIN DIMENSIONS AND PERTINENT INFORMATION FROM ARCHITECTURAL DRAWINGS.
8. ALL WALL HYDRANTS SHALL BE MOUNTED 24" ABOVE FINISH GRADE OR FINISH FLOOR UNLESS OTHERWISE NOTED.
9. INSTALL ALL OUTSIDE VALVES IN CONCRETE OR CAST IRON VALVE BOXES.
10. ALL HORIZONTAL STORM AND SANITARY PIPING IS RUN BELOW FLOOR ON PLAN UNLESS OTHERWISE NOTED.
11. ALL WATER PIPING INSTALLED IN EXTERIOR WALLS SHALL BE LOCATED ON THE INTERIOR SIDE OF THE EXTERIOR WALL INSULATION.
12. PAVEMENT CUTS, BACKFILLING, AND PATCHING SHALL MEET ALL LOCAL REQUIREMENTS.
13. INSTALL WATER PIPING TO ASME B31.9. PROVIDE PDI SHOCK ARRESTORS ON WATER SUPPLIES TO ALL FIXTURES.
14. CONTRACTOR TO VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGHING MECHANICAL ROOM FLOOR DRAINS, HOSE BIBBS, ETC.
15. ALL FLOOR SINKS TO BE INSTALLED WITH RIM/GRATE FLUSH WITH FINISH FLOOR.
16. EXISTING INFORMATION SHOWN WAS GATHERED FROM "AS BUILT" DRAWINGS AND JOB SITE VISITS. EVERY ATTEMPT HAS BEEN MADE TO SHOW EXISTING SERVICES CORRECTLY, HOWEVER, CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY ALL EXISTING CONDITIONS AND MAKE ALL NECESSARY ADJUSTMENTS IN THE FIELD AT NO EXTRA COST TO THE OWNER/ARCHITECT/ENGINEER.

PLUMBING FIXTURE CONNECTION SCHEDULE

MARK	FIXTURE	WASTE	CW	HW	REMARKS
WC-1	WATER CLOSET	4"	1"	-	FLOOR MOUNTED, HARDWIRED FLUSH VALVE
WC-2	WATER CLOSET	4"	1"	-	FLOOR MOUNTED, HARDWIRED FLUSH VALVE, ADA
UR-1	URINAL	2"	3/4"	-	WALL HUNG, FLUSH VALVE, ADA
LAV-1	LAVATORY	1-1/4"	1/2"	1/2"	UNDERMOUNT, ADA, WITH TMV SET TO 109°F, HARDWIRED
EWC-1	ELEC WATER COOLER	1-1/2"	1/2"	-	BI-LEVEL, ADA, W/ BOTTLE FILLER
BT-1	BATHTUB	2"	1/2"	1/2"	-
SK-1	SINK	1-1/2"	1/2"	1/2"	12"x27"
SK-2	SINK	1-1/2"	1/2"	1/2"	12"x15"
JC-1	JANITOR'S CLOSET	3"	1/2"	1/2"	24"X24" PRE-CAST
WMB-1	WASHING MACHINE BOX	2"	1/2"	1/2"	-
TMV-1	THERMOSTATIC MIXING VALVE	-	1/2"	1/2"	-
REF-1	REFRIGERATOR	-	1/2"	-	WALL SUPPLY BOX
IM-1	ICE MAKER	-	1/2"	-	WALL SUPPLY BOX, PIPE WASTE TO FS
CM-1	COFFEE MAKER	-	1/2"	-	WALL SUPPLY BOX

WATER HAMMER ARRESTOR SCHEDULE

P.D.I. UNITS	A	B	C	D	E	F
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330

CLASSIFICATIONS ESTABLISHED BY THE PLUMBING AND DRAINAGE INSTITUTE "STANDARD P.D.I.-WH201". INSTALL WATER PIPING TO ASME B31.9. CLOSED COPPER TUBE CHAMBER WITH PERMANENTLY SEALED 410 kPa (60PSIG) AIR CHARGE ABOVE A DOUBLE O-RING PISTON. TWO HIGH HEAT BUNA-N O-RINGS PRESSURE PACKED AND LUBRICATED WITH FDA APPROVED SILICONE COMPOUND. ALL UNITS SHALL BE DESIGNED IN ACCORDANCE WITH ASSE 1010 FOR SEALED WALL INSTALLATIONS WIHTOUT AN ACCESS PANEL. SIZE AND INSTALL IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS. UNIT SHALL BE AS MANUFACTURED BY PRECISION PLUMBING PRODUCTS, INC, WATTS, OR SIOUX CHIEF. PROVIDE WATER HAMMERS AT ALL SOLENOID VALVES, ALL GROUPS OR TWO OR MORE FLUSH VALVES, ALL QUICK OPENING OR CLOSING VALVES, AND ALL WASHING EQUIPMENT.

APPROVED MANUFACTURERS:

1. ZURN, WADE, J.R. SMITH, JOSAM, MIFAB

PLUMBING LEGEND

	COLD WATER LINE	FD	FLOOR DRAIN W/ TG
	HOT WATER LINE	MFD	MECHANICAL FLOOR DRAIN W/ TG
	HOT WATER RETURN LINE	A.F.F.	ABOVE FINISH FLOOR
	SOIL OR WASTE LINE BELOW SLAB	CO	CLEAN OUT
	VENT LINE	CW	COLD WATER
	BALL VALVE	EWC	ELECTRIC WATER COOLER
	WATER PRESSURE REGULATOR	FFE	FINISH FLOOR ELEVATION
	CHECK VALVE	GPM	GALLONS PER MINUTE
	UNION	HW	HOT WATER
	PIPE TURNING UP	HWR	HOT WATER RETURN
	PIPE TURNING DOWN	INV	INVERT
	P-TRAP	JC	JANITOR'S CLOSET
YCO	CLEANOUT W/ 18" SQUARE CONCRETE PAD	LAV	LAVATORY
HB	HOSE BIBB	NC	NORMALLY CLOSED
WH	WALL HYDRANT	X-#	PLUMBING FIXTURE NUMBER
WCO	WALL CLEANOUT	PSI	POUNDS PER SQUARE INCH
FCO	FLOOR CLEANOUT	PRV	PRESSURE REDUCING VALVE
#	RISER DIAGRAM NUMBER	TG	TRAP GUARD
		UR	URINAL
		VTR	VENT THRU ROOF
		WC	WATER CLOSET

ELECTRIC WATER HEATER SCHEDULE

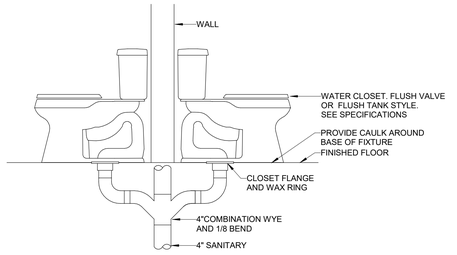
MARK	MANUFACTURER MODEL #	LOCATION	CW	HW	ELECTRICAL KW	ELECTRICAL V/P	GAL.	SET POINT	REMARKS
EWH-1	LEM040DJK	MECHANICAL 1086	1-1/4"	1-1/4"	4.5	208/1	40	125F	-

PUMP SCHEDULE

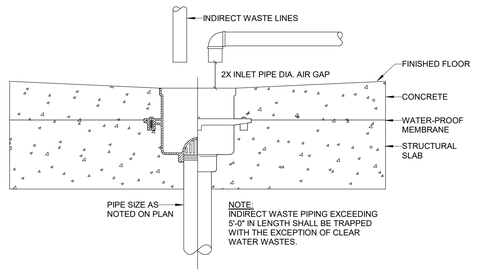
MARK	MODEL NO.	LOCATION	G.P.M.	HEAD (FT.)	ELECTRICAL DATA H.P.	VOLTS	PH	TYPE	REMARKS
RCP-1	GRUNDFOS UPS 15-35 SFC	MECHANICAL 1086	2	8	1/12	115	1	IN-LINE	-

EXPANSION TANK SCHEDULE

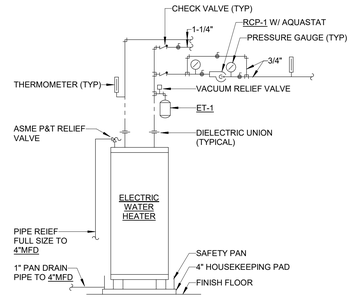
MARK	AMTROL	LOCATION	GALLONS	ACCEPTANCE	REMARKS
ET-1	ST-5C	MECHANICAL 1086	2.1	0.9	-



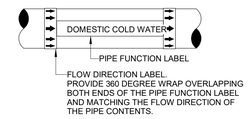
14 **DETAIL OF BACK-TO-BACK WATER CLOSETS**
SCALE:NOT TO SCALE



12 **DETAIL OF FLOOR SINK**
SCALE:NOT TO SCALE

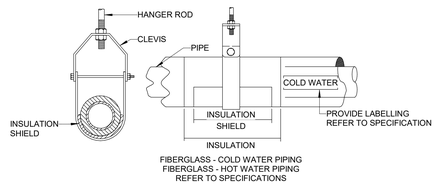


11 **DETAIL OF PIPING AT ELECTRIC WATER HEATER**
SCALE:NOT TO SCALE

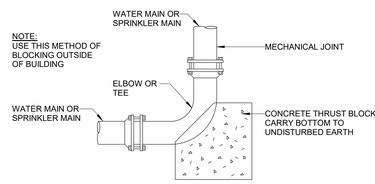


DETAIL NOTES
A. PROVIDE A PIPE LABEL FOR EACH PIPE FUNCTION.
B. PROVIDE AT LEAST ONE LABEL ON EACH PIPE FOR EVERY ROOM THE PIPE PASSES THROUGH.
C. PROVIDE LABELS IN LARGE SPACES ON MAXIMUM 20'-0" CENTERS FOR EVERY PIPE UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS.
D. LABELS TO BE LOCATED IN AN EASILY VISIBLE LOCATION AS THEY WOULD NORMALLY BE SEEN. E.G. ON THE BOTTOM OF PIPES IN THE AIR AND ON THE TOP OR SIDES OF PIPES MOUNTED LOW.
E. LABELS SHALL BE COLOR CODED, PRE-PRINTED, SELF ADHESIVE VINYL FOR MEDICAL GAS PIPING. PRE-TENSIONED LABELS FOR ALL OTHER PIPING.
F. SEE SPECIFICATIONS FOR OTHER REQUIREMENTS AND LIST OF PIPE FUNCTIONS.

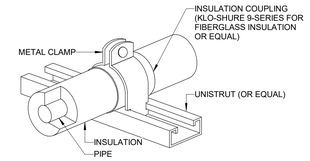
6 **DETAIL OF PIPING IDENTIFICATION LABEL**
SCALE:NOT TO SCALE



7 **DETAIL OF ADJUSTABLE CLEVIS HANGER**
SCALE:NOT TO SCALE

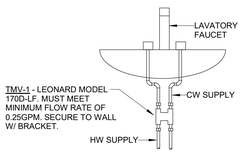


8 **DETAIL OF CONCRETE THRUST BLOCK**
SCALE:NOT TO SCALE

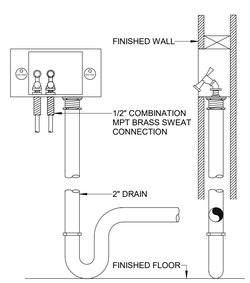


NOTES:
1. APPLICATION: FOR STRUT-MOUNTED, 4" AND SMALLER, COPPER PIPE WITH FIBERGLASS INSULATION.
2. ALLOWED FOR HORIZONTAL OR VERTICAL INSTALLATION.

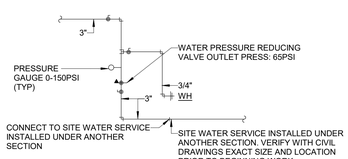
9 **STRUT-MOUNTED PIPING SUPPORT INSULATION COUPLING DETAIL**
SCALE:NOT TO SCALE



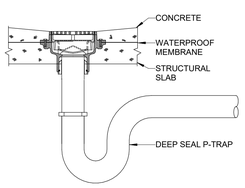
10 **DETAIL OF PIPING AT TMV UNDER ADA/PUBLIC LAVATORY**
SCALE:NOT TO SCALE



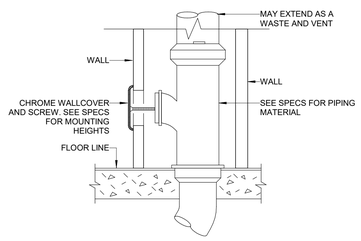
5 **DETAIL OF WASHING MACHINE SUPPLY AND DRAIN UNIT**
SCALE:NOT TO SCALE



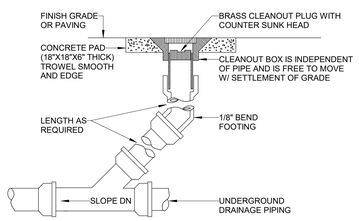
4 **DETAIL OF WATER SERVICE ENTRY W/ HB & WH**
SCALE:NOT TO SCALE



3 **DETAIL OF FLOOR DRAIN**
SCALE:NOT TO SCALE



2 **DETAIL OF WALL CLEANOUT**
SCALE:NOT TO SCALE



1 **DETAIL OF CLEANOUT TO GRADE**
SCALE:NOT TO SCALE

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ISSUE | DATE
ISSUE FOR BID | 04.27.2026

DRAWN BY: NEL
CHECKED BY: JDT

BAM LICENSED PROFESSIONAL ENGINEER No. 54261 PROFESSIONAL NICHOLAS E LOMBARDO 04/27/26

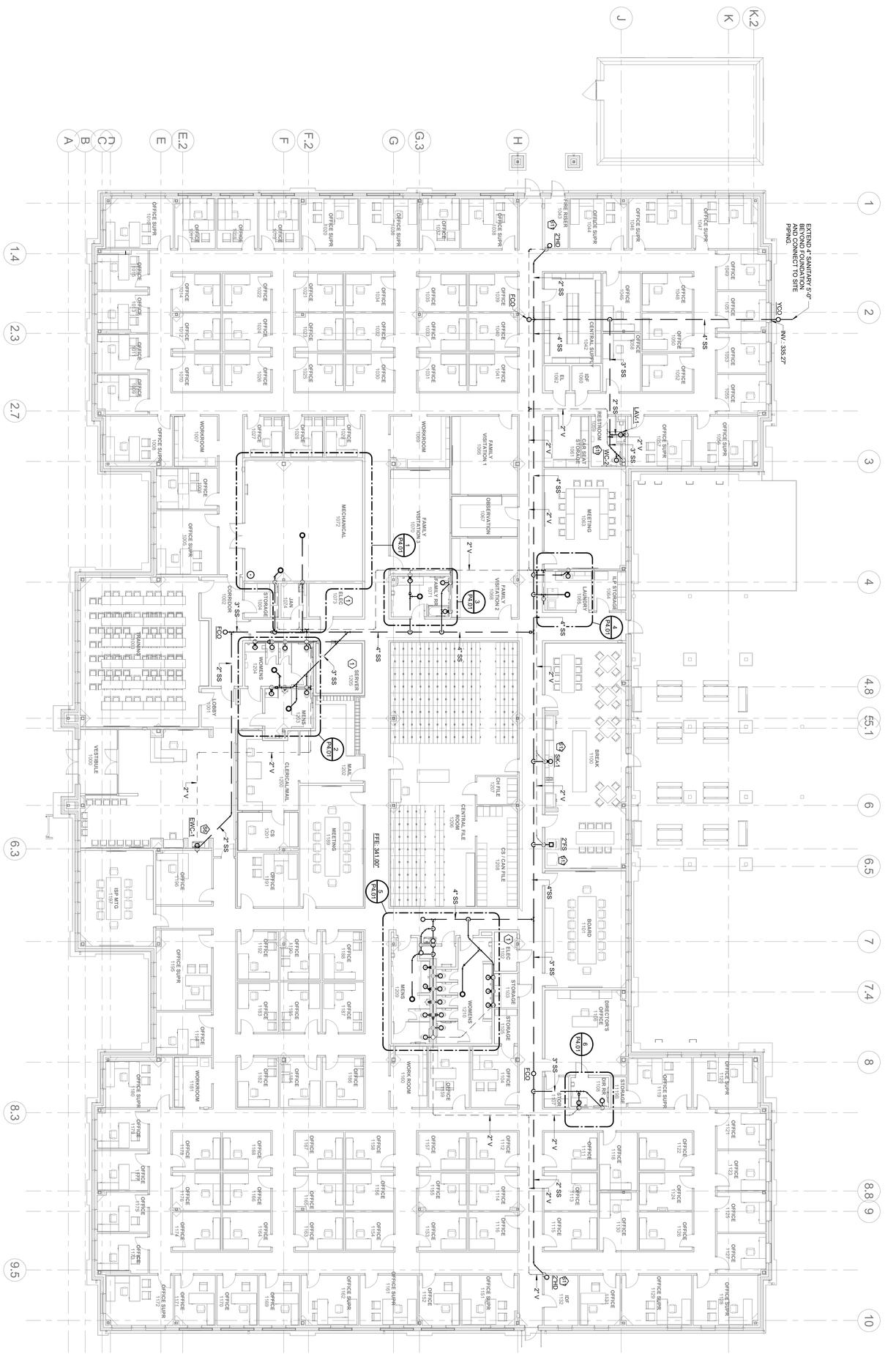
HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

GMC # ABHM250019

LEGENDS, NOTES AND SCHEDULES - PLUMBING

P0.01
sheet of

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FLOOR PLAN - LEVEL 1 - PLUMBING

1 SANITARY

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

TRUE NORTH

FLOOR PLAN LEVEL 1 - PLUMBING SANITARY

P1.00

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DEPARTMENT OF HUMAN RESOURCES

DOTHAN, ALABAMA

GMC # ABHM250019

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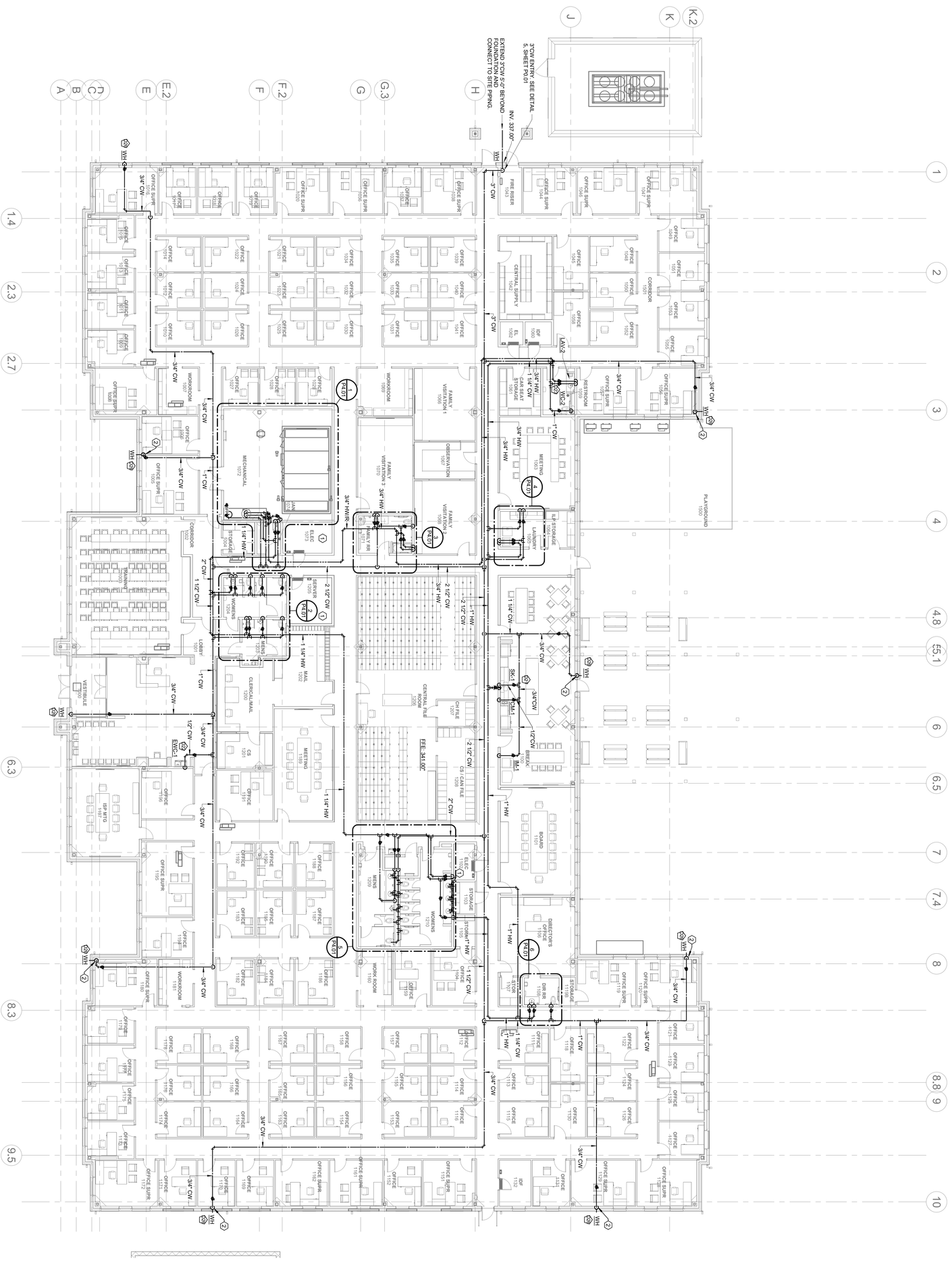
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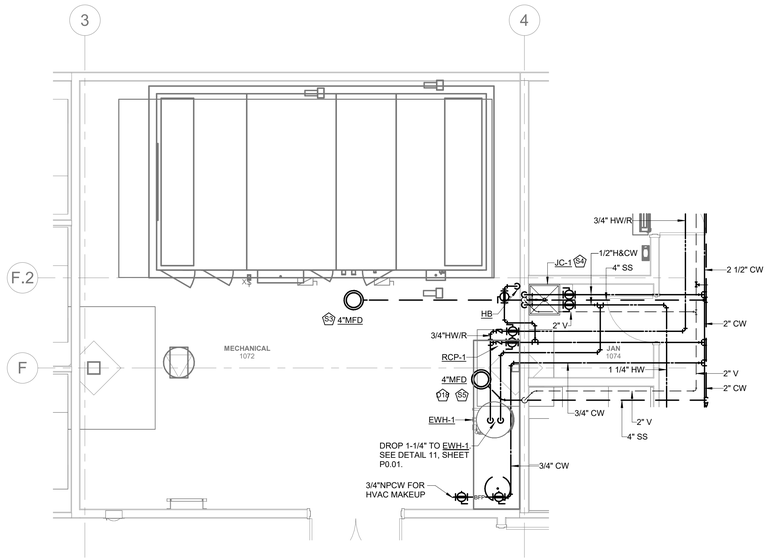
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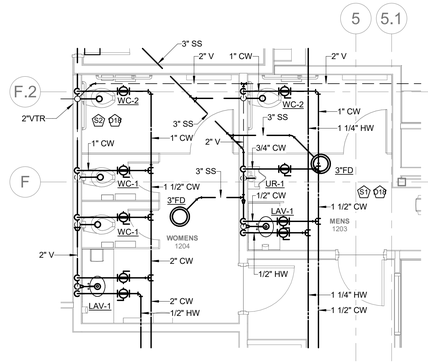
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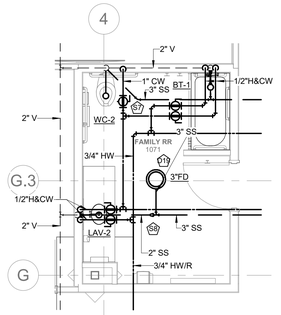

EXTEND 3"CW 5'-0" BEYOND FOUNDATION AND CONNECT TO SITE PIPING.
INV. 337.00"
3"CW ENTRY, SEE DETAIL 5, SHEET P0.01
WH
3" CW
FIRE RISER 1043
OFFICE SUPR 1044
OFFICE SUPR 1046
OFFICE SUPR 1047
OFFICE 1048
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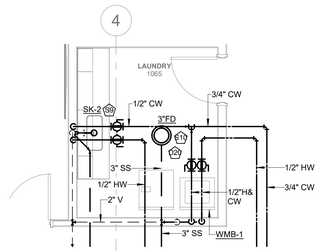
1 ENLARGED PLAN - MECHANICAL ROOM 206 - PLUMBING
SCALE: 1/4" = 1'-0"



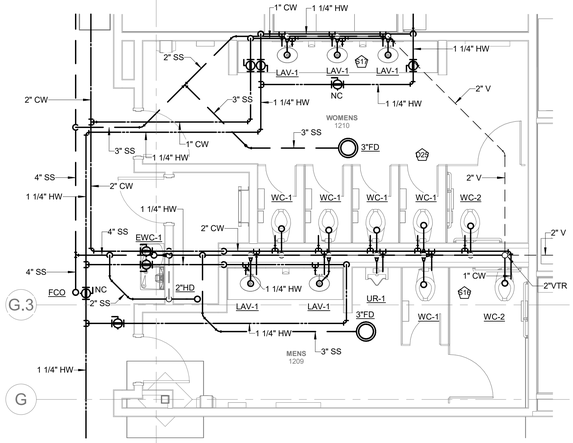
2 ENLARGED PLAN - MAIN RESTROOMS 301/302 - PLUMBING
SCALE: 1/4" = 1'-0"



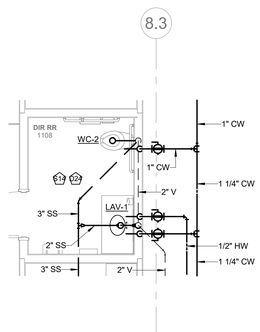
3 ENLARGED PLAN - FAMILY RESTROOM 194 - PLUMBING
SCALE: 1/4" = 1'-0"



4 ENLARGED PLAN - LAUNDRY/RESTOOM - PLUMBING
SCALE: 1/4" = 1'-0"



5 ENLARGED PLAN - MAIN RESTROOMS 319/320 - PLUMBING
SCALE: 1/4" = 1'-0"



6 ENLARGED PLAN - DIRECTOR RESTOOM - PLUMBING
SCALE: 1/4" = 1'-0"

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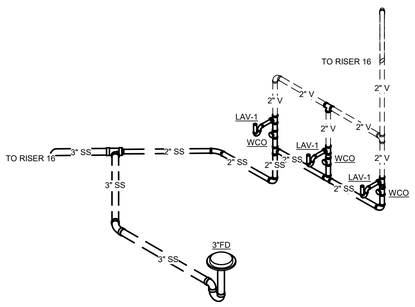
GMC # ABHM250019

LICENSED — ALABAMA — No. 54261 PROFESSIONAL ENGINEER — NICHOLAS E. LOMBARDO
04/27/26

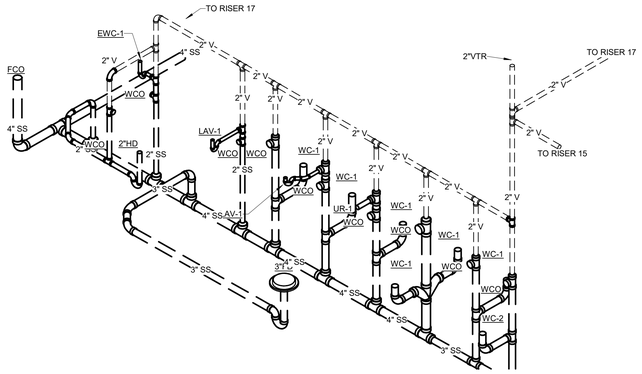
PARTIAL FLOOR PLANS - PLUMBING

P4.01
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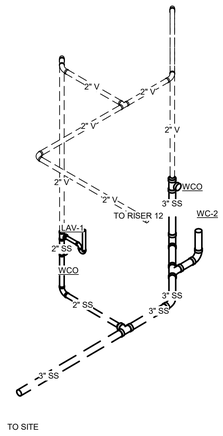
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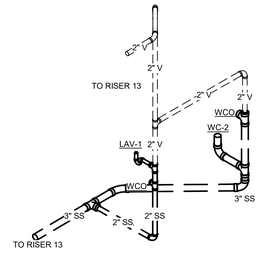
S17 RISER 17 - WOMENS 1210
SCALE:



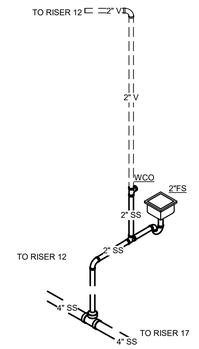
S16 RISER 16 - MENS 1209
SCALE:



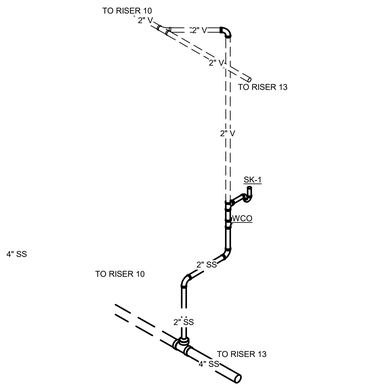
S15 RISER 15 - RESTROOMS 1059
SCALE:



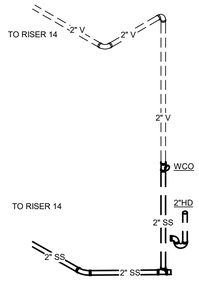
S14 RISER 14 - DIR RR 1108
SCALE:



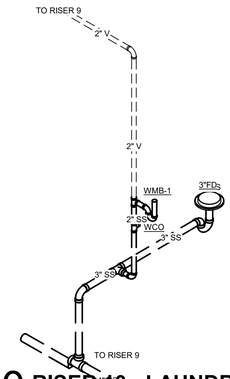
S13 RISER 13- BREAK 1100
SCALE:



S12 RISER 12 - BREAK 1100
SCALE:



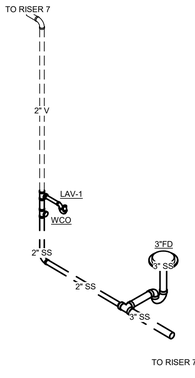
S11 RISER 11 - IDF 1132
SCALE:



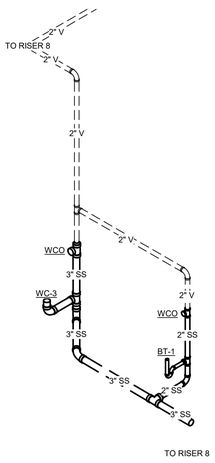
S10 RISER 10 - LAUNDRY 1065
SCALE:



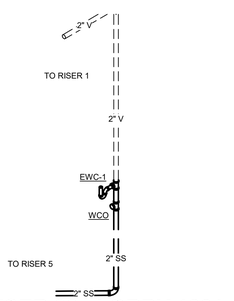
S9 RISER 09 - LAUNDRY 1065
SCALE:



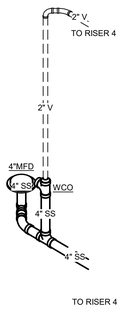
S8 RISER 08 - FAMILY RR 1071
SCALE:



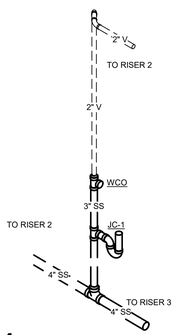
S7 RISER 07 - FAMILY RR 1071
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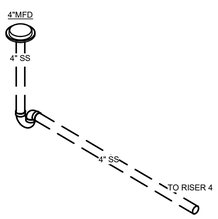
S6 RISER 06 - LOBBY 1001
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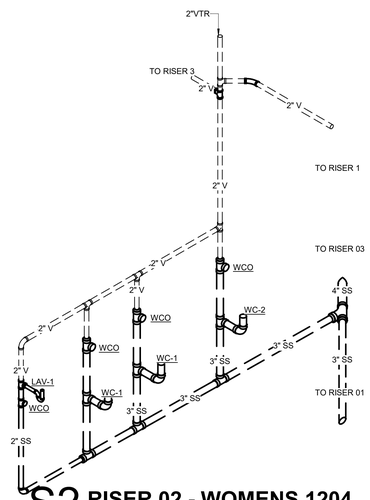
S5 RISER 05 - MECHANICAL 1072
SCALE:



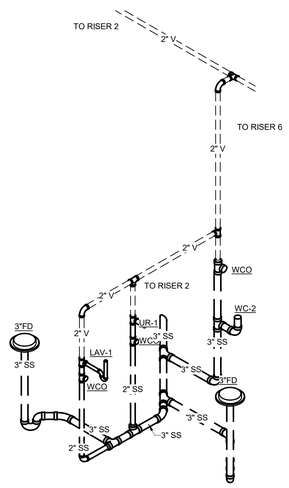
S4 RISER 04 - JAN 1074
SCALE:



S3 RISER 03 - MECHANICAL 1072
SCALE:



S2 RISER 02 - WOMENS 1204
SCALE:



S1 RISER 01 - MENS 1203
SCALE:

RISERS - PLUMBING

HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

GMC # ABHM250019

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ALABAMA LICENSED No. 54261 PROFESSIONAL ENGINEER NICHOLAS E. LOMBARDO 04/27/26

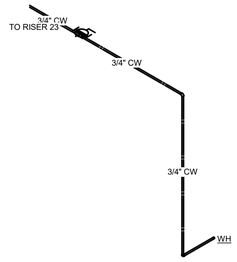
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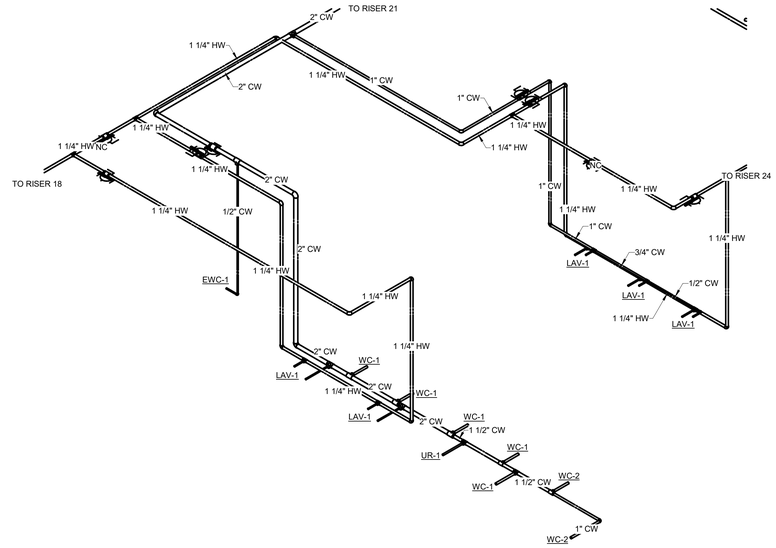
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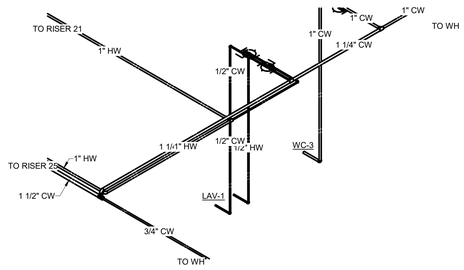
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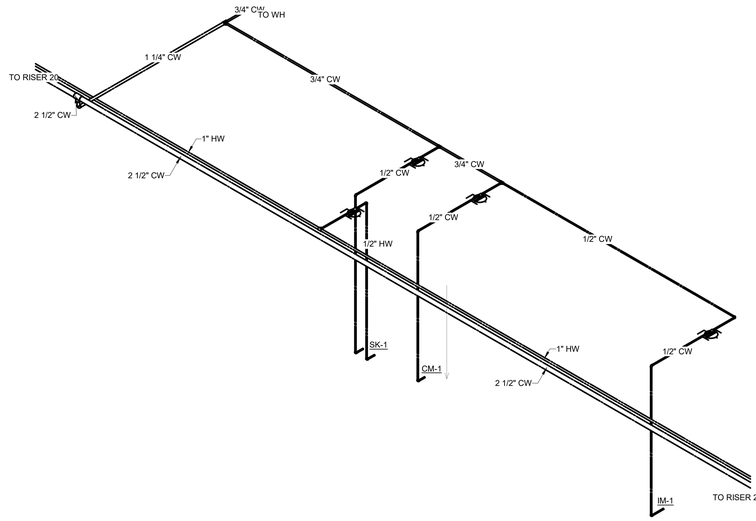
D26 **RISER 26 - OFFICE SUPR 1056**
SCALE:



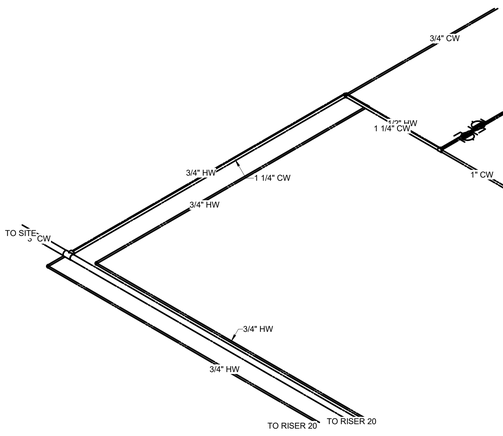
D25 **RISER 25 - WOMENS 1210/MENS 1209**
SCALE:



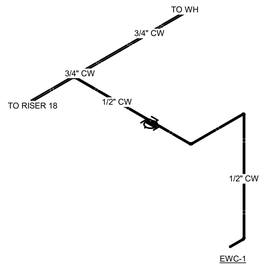
D24 **RISER 24 - DIR RR 1108**
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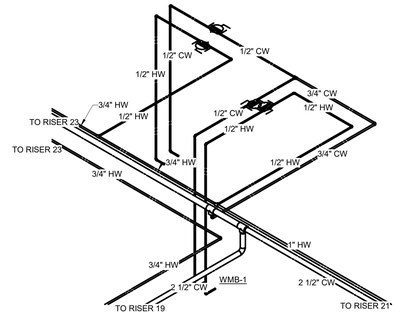
D21 **RISER 21 - BREAK 1100**
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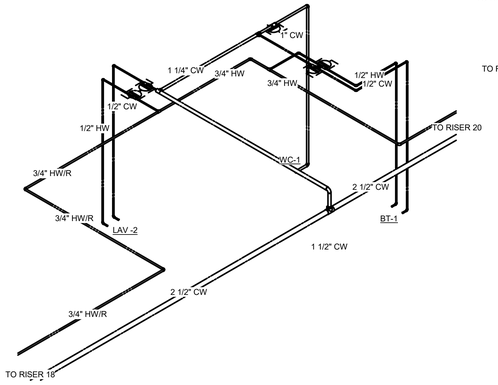
D23 **RISER 23 - RESTROOM 1059**
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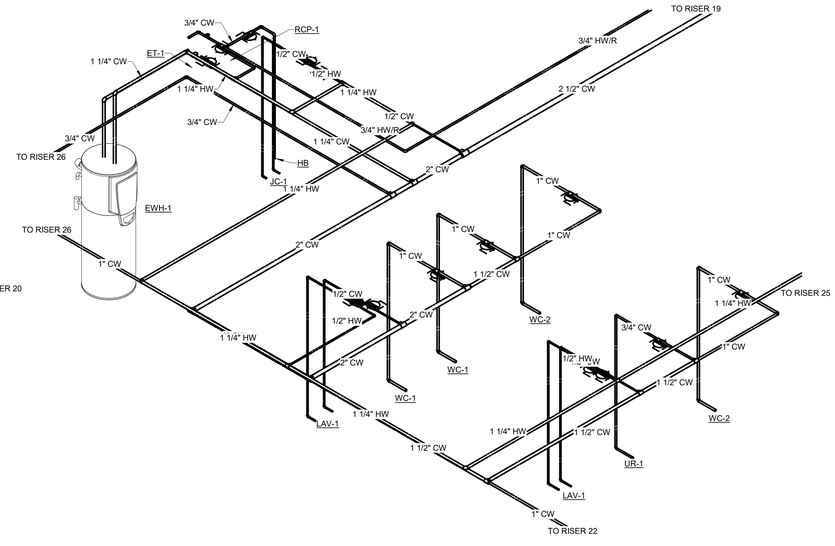
D22 **RISER 22 - LOBBY 1001**
SCALE:



D20 **RISER 20 - LAUNDRY 1065**
SCALE:



D19 **RISER 19 - FAMILY RR 1071**
SCALE:



D18 **RISER 18 - MENS 1203/WOMENS 1204**
SCALE:

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2400 5th Avenue South, Suite 200
Birmingham, AL 35233
T 205.879.4462
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CHECKED BY: JDT

ALABAMA LICENSED
No. 54261
PROFESSIONAL
ENGINEER
NICHOLAS E. LOMBARDO
04/27/26

HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

GMC # ABHM250019

RISERS - PLUMBING

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FIRE PROTECTION SPRINKLER OMISSIONS

NFPA 13, 9.2.1.19.1 - SPRINKLERS SHALL BE PERMITTED TO BE OMITTED FROM WITHIN COMBUSTIBLE SOFFITS, EAVES, OVERHANGS, AND DECORATIVE FRAME ELEMENTS THAT ARE CONSTRUCTED IN ACCORDANCE WITH 9.2.1.19.2 THROUGH 9.2.1.19.5

9.2.1.19.2 - COMBUSTIBLE SOFFITS, EAVES, OVERHANGS, AND DECORATIVE FRAME ELEMENTS SHALL NOT EXCEED 4FT. IN WIDTH.

9.2.1.19.3 - COMBUSTIBLE SOFFITS, EAVES, OVERHANGS, AND DECORATIVE FRAME ELEMENTS SHALL BE DRAFTSTOPPED, WITH A MATERIAL EQUIVALENT TO THAT OF THE SOFFIT, INTO VOLUMES NOT EXCEEDING 160SQ.FT.

9.2.1.19.4 - COMBUSTIBLE SOFFITS, EAVES, OVERHANGS, AND DECORATIVE FRAME ELEMENTS SHALL BE SEPARATED FROM THE INTERIOR OF THE BUILDING BY WALLS OR ROOFS OF NONCOMBUSTIBLE OR LIMITED-COMBUSTIBLE CONSTRUCTION.

9.2.1.19.5 - COMBUSTIBLE SOFFITS, EAVES, OVERHANGS, AND DECORATIVE FRAME ELEMENTS SHALL HAVE NO OPENINGS OR UNPROTECTED PENETRATIONS DIRECTLY INTO THE BUILDING.

NFPA 13, 9.2.2 - SPRINKLERS SHALL BE PERMITTED TO BE OMITTED FROM SPACES UNDER GROUND FLOORS, EXTERIOR DOCKS, AND PLATFORMS WHERE ALL THE FOLLOWING CONDITIONS EXIST:

1. THE SPACE IS NOT ACCESSIBLE FOR STORAGE PURPOSES AND IS PROTECTED AGAINST ACCUMULATION OF WIND-BORNE DEBRIS.
2. THE SPACE CONTAINS NO EQUIPMENT SUCH AS CONVEYORS OR FUEL-FIRED HEATING UNITS.
3. THE FLOOR OVER THE SPACE IS OF TIGHT CONSTRUCTION.
4. NO COMBUSTIBLE OR FLAMMABLE LIQUIDS OR MATERIALS THAT UNDER FIRE CONDITIONS WOULD CONVERT INTO COMBUSTIBLE OR FLAMMABLE LIQUIDS ARE PROCESSED, HANDLED, OR STORED ON THE FLOOR ABOVE SPACE.

NFPA 13, 9.2.3.2 - SPRINKLERS SHALL BE PERMITTED TO BE OMITTED WHERE THE EXTERIOR CANOPIES, ROOFS, PORTE-COCHERES, BALCONIES, DECKS, AND SIMILAR PROJECTIONS ARE CONSTRUCTED WITH MATERIALS THAT ARE NONCOMBUSTIBLE, LIMITED-COMBUSTIBLE, OR FIRE RETARDANT-TREATED WOOD AS DEFINED IN NFPA 703, OR WHERE THE PROJECTIONS ARE CONSTRUCTED UTILIZING A NONCOMBUSTIBLE FRAME, LIMITED-COMBUSTIBLES, OR FIRE-RETARDANT TREATED WOOD WITH AN INHERENTLY FLAME-RESISTANT FABRIC OVERLAY AS DEMONSTRATED BY TEST METHOD 2 WITH NFPA 701.

NFPA 13, 9.2.3.3 - SPRINKLERS SHALL BE PERMITTED TO BE OMITTED FROM BELOW THE EXTERIOR PROJECTIONS OF COMBUSTIBLE CONSTRUCTION, PROVIDE THE EXPOSED FINISH MATERIAL ON THE EXTERIOR PROJECTIONS ARE NONCOMBUSTIBLE, LIMITED-COMBUSTIBLE, OR FIRE RETARDANT-TREATED WOOD AS DEFINED BY NFPA 703, AND THE EXTERIOR PROJECTIONS CONTAIN ONLY SPRINKLERED CONCEALED SPACES OR ANY OF THE FOLLOWING UNSPRINKLERED COMBUSTIBLE CONCEALED SPACES:

1. COMBUSTIBLE CONCEALED SPACES FILLED ENTIRELY WITH NONCOMBUSTIBLE INSULATION.
2. LIGHT OR ORDINARY HAZARD OCCUPANCIES WHERE NONCOMBUSTIBLE OR LIMITED-COMBUSTIBLE CEILINGS ARE DIRECTLY ATTACHED TO THE BOTTOM OR SOLID WOOD JOISTS SO AS TO CREATE ENCLOSED JOIST SPACES 160CU.FT. OR LESS IN VOLUME, INCLUDING SPACE BELOW INSULATION THAT IS LAID DIRECTLY ON TOP OR WITHIN THE CEILING JOISTS IN AN OTHERWISE SPRINKLERED ATTIC.
3. CONCEALED SPACES OVER ISOLATED SMALL EXTERIOR PROJECTIONS NOT EXCEEDING 55SQ.FT. IN AREA.

NFPA 13, 9.2.6 - SPRINKLERS SHALL NOT BE REQUIRED IN ELECTRICAL EQUIPMENT ROOMS WHERE ALL THE FOLLOWING CONDITIONS ARE MET:

1. THE ROOM IS DEDICATED TO ELECTRICAL EQUIPMENT ONLY.
2. ONLY DRY-TYPE OR LIQUID-TYPE WITH LISTED K-CLASS FLUID ELECTRICAL EQUIPMENT IS USED
3. EQUIPMENT IS INSTALLED IN A 2-HOUR FIRE-RATED ENCLOSURE INCLUDING PROTECTION FOR PENETRATIONS.
4. STORAGE IS NOT PERMITTED IN THE ROOM.

NFPA 13, 9.2.7.1 - SPRINKLERS SHALL BE PERMITTED TO BE OMITTED ABOVE CLOUD CEILINGS WHERE ALL THE FOLLOWING APPLY:

1. THE COMBINED TOTAL AREA OF THE OPENINGS AROUND THE CLOUD ARE LESS THAN OR EQUAL TO 20% OF THE AREA OF THE CEILING, CONSTRUCTION FEATURE, OR PLANE USED TO DETERMINE THE BOUNDARIES OF THE COMPARTMENT.
2. THE WIDTH OF THE GAP AND THE MAXIMUM SPRINKLER PROTECTION AREA ARE IN ACCORDANCE WITH TABLE 9.2.7.1.
3. SPACES ABOVE THE CLOUD CEILINGS CONTAIN EITHER COMBUSTIBLE OR LIMITED-COMBUSTIBLE CONSTRUCTION WITH MINIMAL LOADING

NFPA 13, 9.2.9 - SPRINKLERS SHALL NOT BE REQUIRED TO BE INSTALLED IN FURNITURE SUCH AS PORTABLE WARDROBE UNITS, CABINETS, TROPHY CASES, AND SIMILAR ITEMS NOT INTENDED FOR OCCUPANCY. THIS TYPE OF FEATURE SHALL BE PERMITTED TO BE ATTACHED TO THE FINISHED STRUCTURE.

NFPA 13, 9.2.10 - SPRINKLERS SHALL NOT BE REQUIRED TO BE INSTALLED WITHIN ELECTRICAL EQUIPMENT, MECHANICAL EQUIPMENT, OR AIR HANDLING UNITS NOT INTENDED FOR OCCUPANCY.

NFPA 13, 9.5.5.3.1.5 - SPRINKLERS SHALL NOT BE REQUIRED UNDER NONCOMBUSTIBLE OBSTRUCTIONS OVER 4FT. WIDE WHERE THE BOTTOM OR THE OBSTRUCTION IS 24IN. OR LESS ABOVE THE FLOOR OR DECK.

NFPA 13, 9.5.5.3.2 - SPRINKLERS SHALL NOT BE REQUIRED UNDER OBSTRUCTIONS THAT ARE NOT FIXED IN PLACE, SUCH AS CONFERENCE TABLES.

NFPA 13, 10.2.9.2 - SPRINKLERS SHALL NOT BE REQUIRED IN CEILING POCKET WHERE ALL THE FOLLOWING ARE MET:

1. THE TOTAL VOLUME OF THE UNPROTECTED CEILING POCKET DOES NOT EXCEED 1000CU.FT.
2. THE DEPTH OF THE UNPROTECTED CEILING POCKET DOES NOT EXCEED 36IN.
3. THE ENTIRE FLOOR UNDER THE UNPROTECTED CEILING POCKET IS PROTECTED BY SPRINKLERS AT THE LOWER CEILING ELEVATION.
4. THE TOTAL SIZE OF ALL UNPROTECTED CEILING POCKETS IN THE SAME COMPARTMENT WITHIN 10FT. OF EACH OTHER DOES NOT EXCEED 1000CU.FT.
5. THE UNPROTECTED CEILING POCKET HAS NONCOMBUSTIBLE OR LIMITED-COMBUSTIBLE FINISHES.
6. QUICK-RESPONSE SPRINKLER ARE UTILIZED THROUGHOUT THE COMPARTMENT.

NFPA 13, 10.3.5.1.3.2 - WHERE SOFFITS USED FOR INSTALLATION OF SIDEWALL SPRINKLERS ARE LESS THAN OR EQUAL TO 8IN. IN WIDTH OR PROJECTION FROM THE WALL, ADDITIONAL SPRINKELRS SHALL NOT BE REQUIRED BELOW THE SOFFIT WHEN THE SIDEWALL SPRINKLER IN INSTALLED ON THE SOFFIT.

SPRINKLER NOTES:

1. THE AREA OF RENOVATION IN THE LIMIT OF CONSTRUCTION ARE SPRINKLERED. MODIFY EXISTING SPRINKLER SYSTEM AS REQUIRED FOR RENOVATION BY REMOVING EXISTING MAINS, BRANCHES, AND SPRINKLER HEADS AND INSTALLING NEW MAINS, BRANCHES, AND SPRINKLER HEADS FOR NEW WALL AND CEILING LAYOUTS AS REQUIRED. RENOVATED AREA SHALL MEET THE REQUIREMENTS OF NFPA 13. SEE ARCHITECTURAL PLANS FOR THE EXACT ROOM AND CEILING LAYOUT AND LIMITS OF CONSTRUCTION. PER STATE AND LOCAL REQUIREMENTS, SYSTEM IS TO REMAIN OPERABLE AT ALL TIMES DURING OFF HOURS OF NO CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO REVIEW ALL AREAS IN THE PROJECT SCOPE.
2. PROVIDE A NFPA 13 COMPLIANT SYSTEM TO PROVIDE TOTAL COVERAGE FOR THE BUILDING.
3. ALL PIPING 1-1/2" AND SMALLER SHALL BE SCHEDULE 40 STEEL WITH THREADED JOINTS AND CAST IRON OR MALLEABLE IRON FITTINGS. PROVIDE HANGERS PER NFPA 13 SPACING.
4. PIPING 2" AND LARGER MAY BE SCHEDULE 10 PIPE WITH ROLL GROOVED JOINTS. HANGER SPACING TO BE PER NFPA 13 REQUIREMENTS.
5. SPRINKLER HEADS SHALL BE QUICK RESPONSE, GLASS BULB EQUAL TO VIKING MODEL M. INSTALL SPRINKLER HEADS IN CENTER OF CEILING TILE.
6. PIPING IS TO BE INSTALLED IN A MANNER AS TO HIDE PIPING AS MUCH AS POSSIBLE.
7. PROVIDE A PIPING PLAN SHOWING COORDINATION OF SPRINKLER PIPING WITH ALL ITEMS ABOVE CEILING.
8. PROVIDE SHOP DRAWINGS INCLUDING A REFLECTED CEILING PLAN INDICATING SPRINKLER HEADS, LIGHTS, AND HVAC CEILING DEVICES.
9. SEE ARCHITECT DRAWINGS FOR NEW CEILING PLAN, HEIGHTS, AND AREAS BEING RENOVATED.
10. PER STATE BUILDING COMMISSION REQUIREMENTS, HYDRAULIC CALCULATIONS AND SPRINKLER SHOP DRAWINGS FOR BUILDING FIRE PROTECTION SYSTEMS MUST BE PREPARED UNDER THE SUPERVISION OF AN ENGINEER LICENSED IN THE STATE OF ALABAMA AND BEAR THEIR LICENSURE SEAL WITH SIGNATURE AND DATE.
11. SPRINKLER CONTRACTOR SHALL BE LICENSED THROUGH THE STATE OF ALABAMA FIRE MARSHALL OFFICE.
12. PROVIDE PROTECTION FOR SPRINKLER HEADS IN AREAS WHERE THE CEILING OR SURROUNDING AREA IS TO BE PAINTED. FIRE PROTECTION CONTRACTOR SHALL BE 100% RESPONSIBLE TO PROVIDE AND REMOVE SPRINKLER PROTECTIONS AFTER PAINTING IS COMPLETE. ANY SPRINKLER HEAD WITH PAINT OR TEXTURE OVERSPRAY SHALL BE REPLACED BY THE FIRE PROTECTION CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
13. PROVIDE A VENT LOCATED NEAR A HIGH POINT IN THE SYSTEM TO ALLOW AIR TO BE REMOVED FROM THAT PORTION OF THE SYSTEM BY ONE OF THE FOLLOWING METHODS; MANUAL VALVE (MIN. 1/2" SIZE), AUTOMATIC AIR VENT, OR OTHER APPROVED MEANS.
14. TEMPERATURE RATINGS OF SPRINKLERS BASED ON DISTANCES FROM HEAT SOURCES SHALL COMPLY WITH THE TABLES 9.4.2.5(a-c) IN NFPA 13. IT IS NOT ACCEPTABLE TO PROVIDE HIGHER "RATED" SPRINKLERS THROUGHOUT A ROOM, COMPARTMENT, OR AREA UNLESS SPECIFICALLY REQUIRED TO DO SO BY NFPA 13.

WET SPRINKLER SYSTEM NOTES:

A. WET SPRINKLER SYSTEM DESIGN AND INSTALLATION. BASE SYSTEM DESIGN HYDRAULIC CALCULATIONS USING THE AREA/DENSITY METHOD ON THE FOLLOWING CRITERIA AND IN ACCORDANCE WITH NFPA 13 LATEST EDITION.

1. SPRINKLER PROTECTION
   a. ALL OFFICE, WAITING AREAS, EDUCATIONAL AREAS, DINING AREAS, CHURCHES, EAVES AND OVERHANGS (WITH NOT COMBUSTIBLE CONSTRUCTION BENEATH), ATTICS, MUSEUMS AND CORRIDORS: LIGHT HAZARD, 0.10GPM/SQ.FT. OVER THE HYDRAULICALLY MOST REMOTE 1500 SQ.FT.
   b. MECHANICAL EQUIPMENT ROOMS, ELECTRICAL CLOSETS, AND STORAGE BETWEEN 100 AND 150SQ.FT.: ORDINARY HAZARD GROUP 1, 0.15GPM/SQ.FT. OVER THE HYDRAULICALLY MOST REMOTE 1500SQ.FT.
   c. LAUNDRY, AND STORAGE ROOMS OVER 250 SQ.FT.,: ORDINARY GROUP 2, 0.20 GPM/SQ.FT. OVER THE HYDRAULICALLY MOST REMOTE 1500SQ.FT.
   d. FILE STORAGE AREAS WITH "ROLLING FILES" RACKS: ORDINARY GROUP 2 FOR THE ENTIRE AREA OF SPACE UP TO 1,500SQ.FT. AREA OF SPRINKLER OPERATION.
   e. WHERE AREAS ARE NOT PHYSICALLY SEPARATED BY A BARRIER OR PARTITION CAPABLE OF DELAYING HEAT FROM A FIRE IN ONE AREA FROM FUSING SPRINKLERS IN THE ADJACENT AREA, THE REQUIRED SPRINKLER PROTECTION FOR THE MORE DEMANDINGG DESIGN BASIS SHALL EXTEND 15FT. BEYOND ITS PERIMETER.
2. ADD WATER ALLOWANCE OF 250 GPM FOR INSIDE AND OUTSIDE HOSE STREAMS TO THE SPRINKLER REQUIREMENTS AT THE CONNECTION TO THE DISTRIBUTION MAIN.
3. HYDRAULIC CALCULATIONS: THE CALCULATED DEMAND INCLUDING THE HOSE STREAM REQUIREMENTS SHALL FALL NO LESS THAN 10 PERCENT BELOW THE AVAILABLE SUPPLY CURVE.
4. COMPLY WITH IBC & IFC (2021 EDITION), ICC 500 (2020 EDITION), NFPA 13 (2021 EDITION), NFPA 14, STANDPIPES AND HOSE SYSTEMS, NFPA 20, STATIONARY FIRE PUMPS, NFPA 24, PRIVATE SERVICE MAINS, NFPA 30, FLAMMABLE AND COMBUSTIBLE LIQUID CODE, NFPA 45, STANDARD ON FIRE PROTECTION FOR LABORATORY USING CHEMICALS, NFPA 54, NATIONAL FUEL GAS CODE, NFPA 58, LIQUEFIED PETROLEUM GAS CODE, NFPA 70, NATIONAL ELECTRIC CODE, NFPA 72, NATIONAL ALARM AND SIGNALING CODE, NFPA 99, HEALTH CARE FACILITIES CODE, AND NFPA 101, LIFE SAFETY CODE (2021 EDITION).

WATER FLOW TEST:

STATIC PRESSURE:	44PSI
RESIDUAL PRESSURE:	40PSI
MEASURED FLOW:	1644GPM
PERFORMED BY:	TYLER DOWNING
WITNESSED BY:	CARMEN DANIELS
DATE:	09/24/2025
TIME:	2:00 P.M.
LOCATION:	172 PREVATT ROAD

NOTE: CONTRACTORS SHALL USE THIS WATER FLOW TEST FOR BID PURPOSES ONLY.

THE SUCCESSFUL BIDDER SHALL CONDUCT A NEW WATER FLOW TEST PRIOR TO DESIGN AND ORDERING OR THE FIRE PUMP. TO VERIFY THERE HAS BEEN NO SIGNIFICANT CHANGES IN THE WATER SUPPLY, AND SHALL PROVIDE RESULTS (DATE, TIME, WITNESSES, ETC.) OF THE NEW WATER FLOW TEST IN THE SUBMITTAL DOCUMENTS.

FIRE PROTECTION CROSS MAINS

FIRE PROTECTION CROSS MAINS HAVE BEEN SHOWN AS A PLACEHOLDER - FOR GENERAL COORDINATION. FINAL SIZES AND ROUTINGS OF THE CROSS MAINS SHALL BE DETERMINED BY THE INSTALLING FIRE SPRINKLER CONTRACTOR, BUT EFFORTS TO USE THE LOCATIONS SHOWN HEREIN SHOULD BE MADE.

IT IS NOT THE INTENT OF THIS PIPE ROUTING TO SUGGEST THAT ONLY TREE SYSTEMS OR GRID SYSTEMS ARE TO BE USED, BUT TO ENSURE THERE ARE ENOUGH CROSS MAINS TO PROVIDE A POINT OF SUPPLY TO ALL AREAS & BRANCH LINES.

THE INSTALLING CONTRACTOR WILL NEED TO COORDINATE WITH ALL OTHER DISCIPLINES AT ALL TIMES, ESPECIALLY THE MECHANICAL CONTRACTOR, AS THERE WILL BE LIMITED SPACE ABOVE CEILINGS IN SOME AREAS.

FIRE PROTECTION SHOP DRAWING NOTES

BEFORE SUBMITTING FIRE PROTECTION SHOP DRAWINGS FOR REVIEW:

1. CONFIRM THAT FIRE PROTECTION SHOP DRAWINGS ARE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF ALABAMA.
2. CONFIRM THAT EACH NODE POINT IN THE HYDRAULIC CALCULATIONS APPEARS ON THE FIRE PROTECTION SHOP DRAWINGS AND THAT NOMENCLATURE MATCHES. THIS INCLUDES NODE POINTS ON SITE SUCH AS THE BACKFLOW PREVENTER AND SOURCE
3. CONFIRM THAT PIPE SIZES, LENGTHS, AND ELEVATIONS NOTED IN HYDRAULIC CALCULATIONS MARCH THE PIPE SIZES, LENGTHS, AND ELEVATIONS INDICATED ON THE FIRE PROTECTION SHOP DRAWINGS.
4. CONFIRM THAT NODE POINTS, PIPE SIZES, LENGTHS, AND ELEVATIONS DO NOT OVERLAP ARCHITECTURAL FEATURES OR OTHER GRAPHIC ELEMENTS SO THEY BECOME DIFFICULT TO READ WHEN PLOTTED.
5. CONFIRM THAT WHEN MULTIPLE NODE POINTS ARE LOCATED IN CLOSE PROXIMITY TO ONE ANOTHER THAT LEADER LINES ARE USED TO IDENTIFY WHERE THE NODE POINT IS LOCATED IN THE DESIGN.
6. CONFIRM THAT HYDRAULIC CALCULATIONS ACCURATELY ACCOUNT FOR PIPE ROUTING (ELBOWS, TEES, ELEVATION OFFSETS, ETC.) INDICATED IN THE FIRE PROTECTION SHOP DRAWINGS.
7. CONFIRM THAT REMOTE AREAS ARE OUTLINED AND IDENTIFIED ON FIRE PROTECTION SHOP DRAWINGS AND THAT NOMENCLATURE MATCHES HYDRAULIC CALCULATIONS.

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2400 5th Avenue South, Suite 200
Birmingham, AL 35233
T 205.879.4462
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HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

GMC # ABHM250019

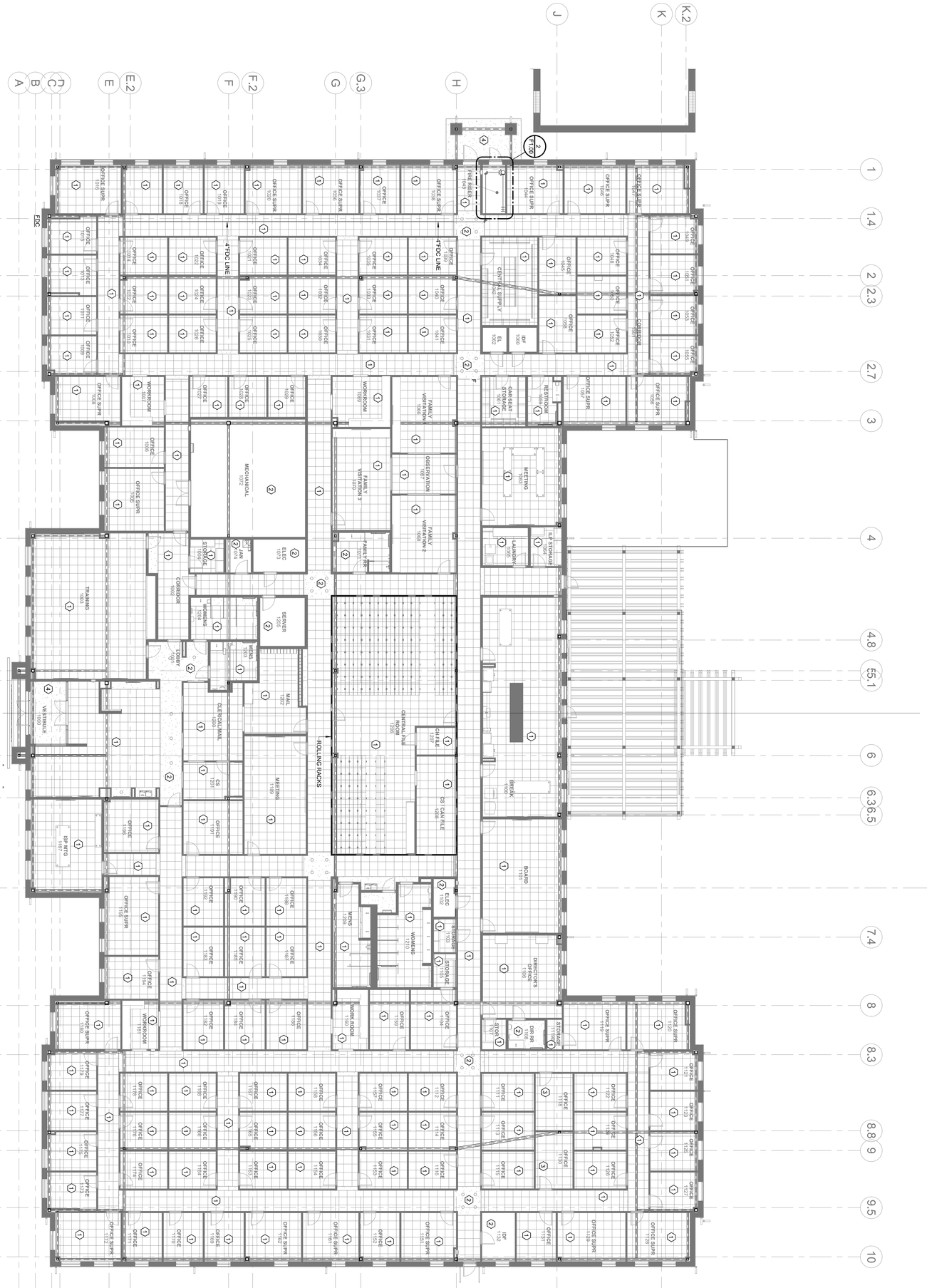
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04/27/26

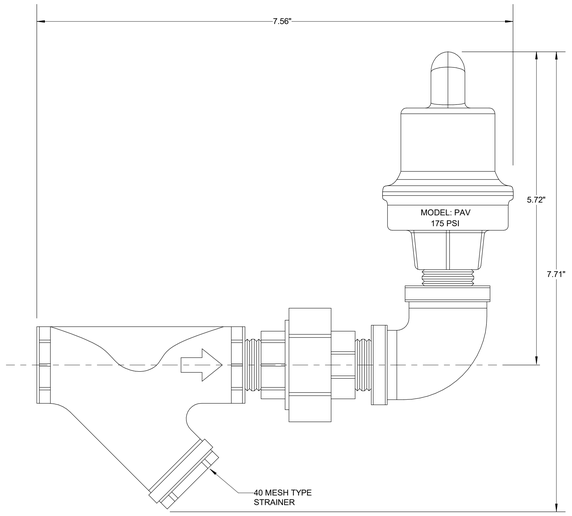
GENERAL NOTES - FIRE PROTECTION

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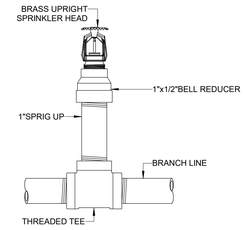
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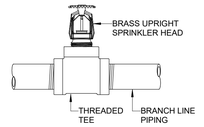

FDC
4"FDC LINE
4"FDC LINE
FIRE RISER 1049
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OFFICE 1042
OFFICE 1043
OFFICE SUPR 1044
OFFICE 1045
OFFICE 1046
OFFICE 1047
OFFICE 1048
CENTRAL SUPPLY 1002
IDF 1000
EL 1002
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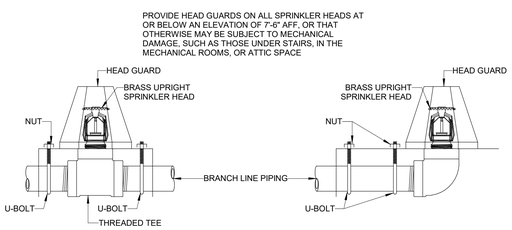
17 DETAIL OF AUTOMATIC AIR VENT
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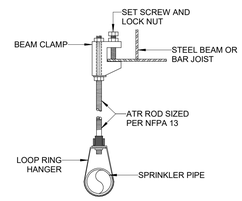
16 UPRIGHT SPRINKLER HEAD ON 1" SPRIG DETAIL
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15 UPRIGHT SPRINKLER HEAD DETAIL
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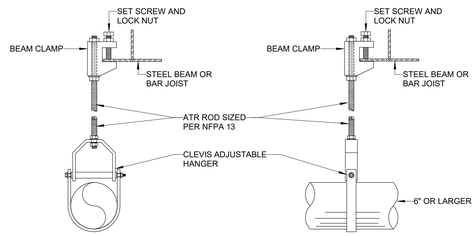


14 SPRINKLER HEAD GUARD DETAIL
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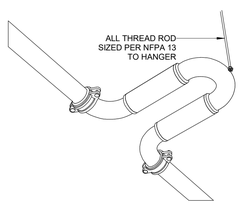
SPRINKLER PIPING OR HANGERS SHALL
NOT BE USED TO SUPPORT NON-
SYSTEM COMPONENTS

11 BEAM CLAMP HANGAR DETAIL
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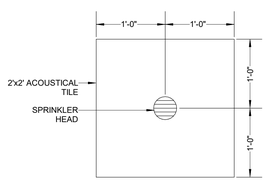


SPRINKLER PIPING OR HANGERS SHALL
NOT BE USED TO SUPPORT NON-
SYSTEM COMPONENTS

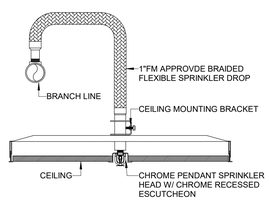
10 CLEVIS RING HANGAR DETAIL
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9 FLEX LOOP DETAIL
SCALE:NOT TO SCALE



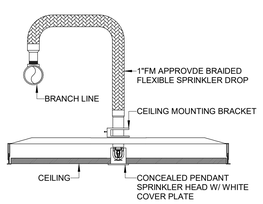
8 CENTER LINE OF TILE DETAIL
SCALE:NOT TO SCALE



NOTES:
THIS INSTALLATION MAY BE USED IN LIEU OF THE HARD PIPE RETURN BEND INSTALLATION FOR SEISMIC, EASE OF INSTALLATION, TENANT FLEXIBILITY, OWNER, OR SPECIFIC SPRINKLER HEAD LOCATION REQUIREMENTS.

INCLUDE THE EQUIVALENT PIPE LENGTH AS SPECIFIED IN THE MANUFACTURER'S PRODUCT DATA SHEETS IN THE HYDRAULIC CALCULATION REPORTS.

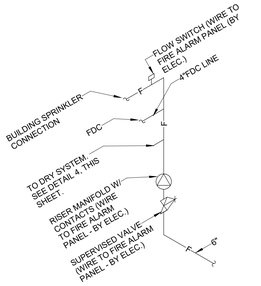
6 1"BRAIDED FLEXIBLE SPRINKLER DROP DETAIL
SCALE:NOT TO SCALE



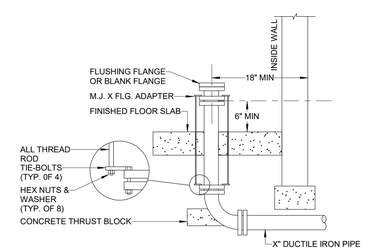
NOTES:
THIS INSTALLATION MAY BE USED IN LIEU OF THE HARD PIPE RETURN BEND INSTALLATION FOR SEISMIC, EASE OF INSTALLATION, TENANT FLEXIBILITY, OWNER, OR SPECIFIC SPRINKLER HEAD LOCATION REQUIREMENTS.

INCLUDE THE EQUIVALENT PIPE LENGTH AS SPECIFIED IN THE MANUFACTURER'S PRODUCT DATA SHEETS IN THE HYDRAULIC CALCULATION REPORTS.

5 1"BRAIDED FLEXIBLE SPRINKLER DROP DETAIL
SCALE:NOT TO SCALE



3 DETAIL OF ISOMETRIC FIRE SERVICE ENTRY
SCALE:NOT TO SCALE



2 DETAIL OF FIRE SERVICE ENTRY W/ THRUST BLOCK
SCALE:NOT TO SCALE

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2400 5th Avenue South, Suite 200
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ENFRA
TME, LLC | ENGINEERING

ISSUE	DATE
ISSUE FOR BID	04.27.2026

DRAWN BY: NEL
CHECKED BY: JDT

ALABAMA LICENSED
No. 54261
PROFESSIONAL
ENGINEER
NICHOLAS E. LOMBARDO
04/27/26

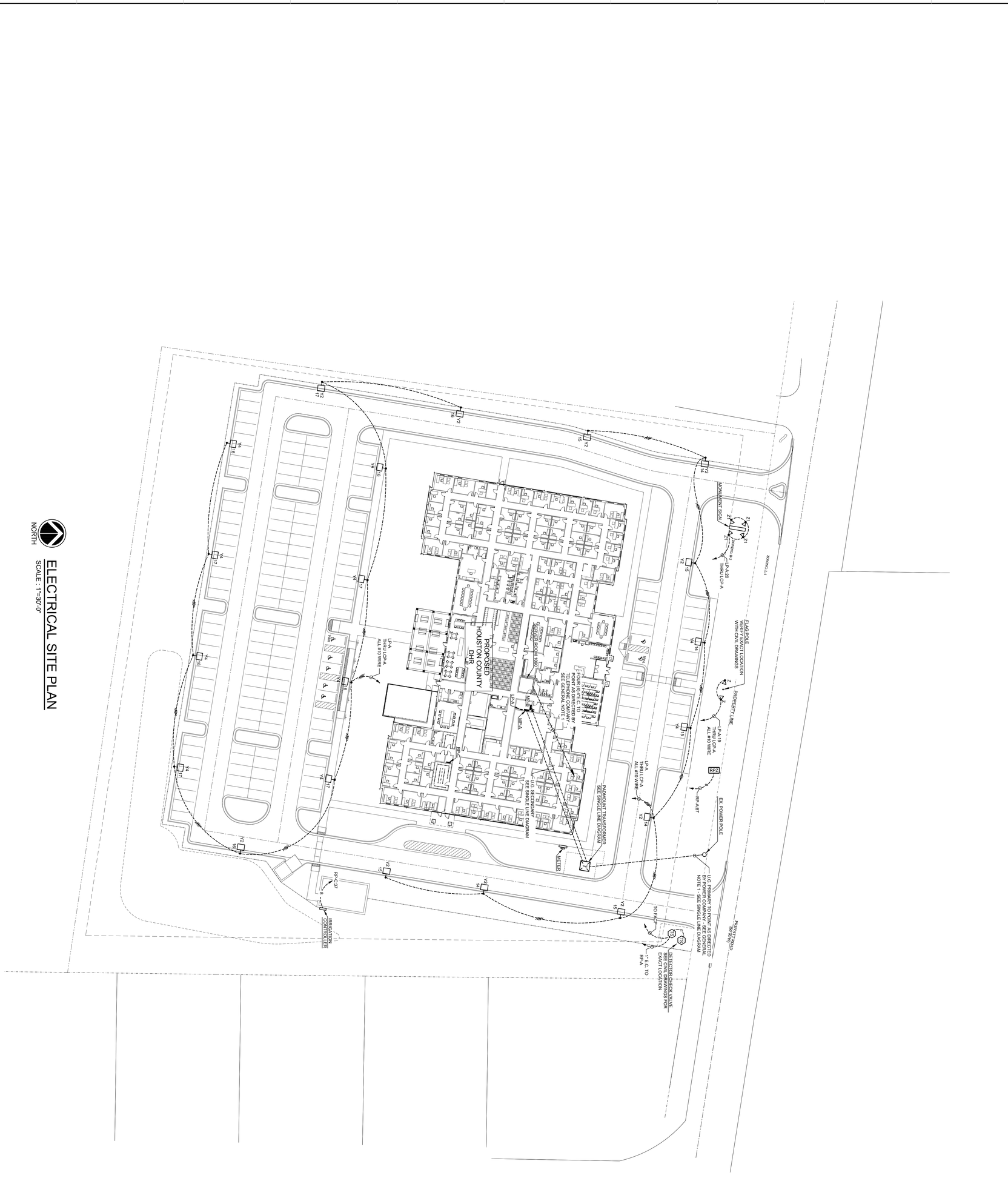
HOUSTON COUNTY
DEPARTMENT OF HUMAN RESOURCES
DOTHAN, ALABAMA

GMC # ABHM250019

DETAILS - FIRE PROTECTION

F2.01
sheet of

4/27/2026 12:46:56 PM TEMPLATE VERSION: 2021.1



NORTH

ELECTRICAL SITE PLAN

SCALE: 1"=30'-0"

JACKSON RENFRO & ASSOCIATES, INC.
ROBERT RENFRO, PE
DIRECT: (205) 536-7207
OFFICE: (205) 536-7200
FAX: (205) 536-7279
241 VILLAGE STREET • SUITE 1 • BIRMINGHAM, ALABAMA 35243

SITE ELECTRICAL PLAN

E0.01

sheet of

ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C RENFRO No. 26401 4.27.26

HOUSTON COUNTY DHR

PROJECT ADDRESS PENDING

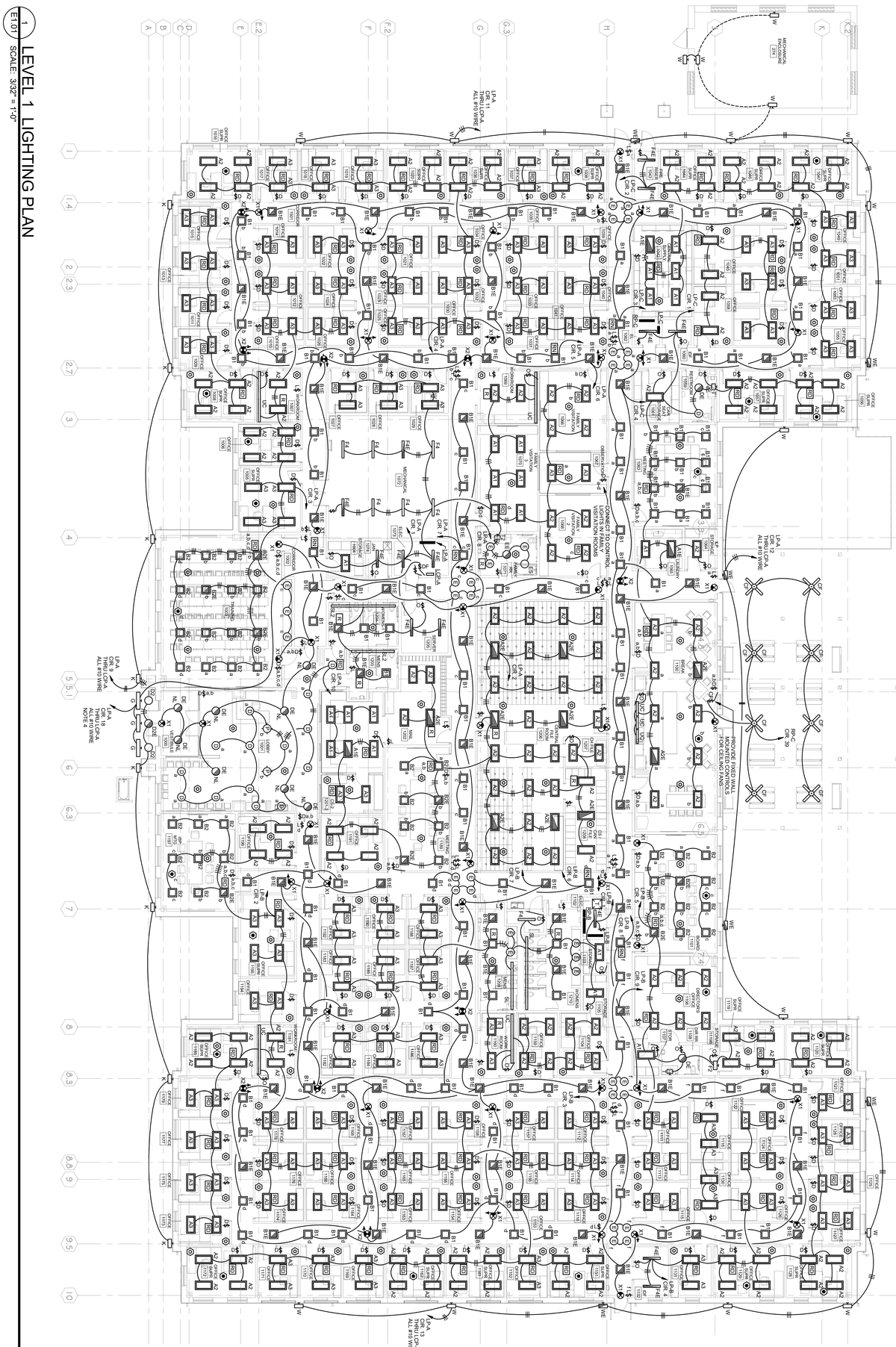
GMC # ABHM250019

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NORTH

1 E1.01 LEVEL 1 LIGHTING PLAN
SCALE: 3/32" = 1'-0"

NOTES THIS SHEET ONLY

1. INSTALL SIX (6) MARK "F4" AND SIX (6) MARK "F4E" FIXTURES IN ATTIC. CONNECT TO LP-A, CIR 36. INSTALL ONE (1) THREE WAY SWITCH (\$3) AT EACH ATTIC ACCESS FOR A TOTAL OF TWO (2) SWITCHES
2. DO NOT SWITCH EXIT SIGNS, NIGHT LIGHTS OR BATTERY CHARGE CIRCUIT IN EMERGENCY FIXTURES.
3. INSTALL NEUTRAL CONDUCTOR TO ALL LINE-VOLTAGE SWITCHES.
4. INSTALL DIMMER SWITCH FOR MARK "G" FIXTURES ADJACENT TO LP-A IN ELECTRICAL ROOM.

JACKSON, RENFRO & ASSOCIATES, INC.
ARCHITECTURE | PLANNING | INTERIORS
141 TULANE STREET • MOBILE, ALABAMA 36602

ROBERT RENFRO, PE
(C) 205.538.7207
(O) 205.342.0460
JRA JOB NO. 22075

LIGHTING PLAN

E1.01
sheet of

A.L.A.B.A. LICENSED ARCHITECT — No. 26809 — PROFESSIONAL — ROBERT C. RENFRO — 4.27.26

HOUSTON COUNTY DHR
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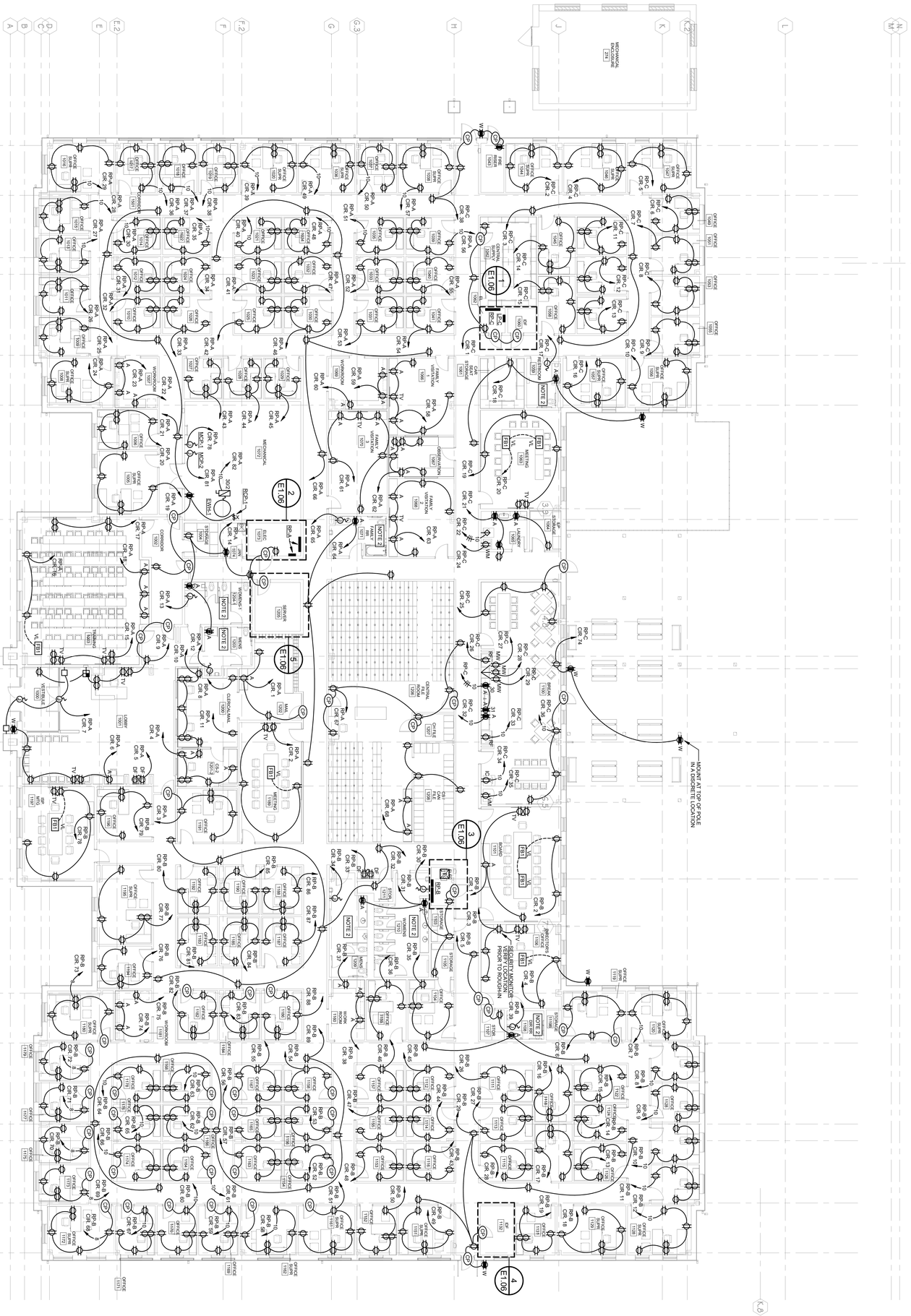
GMC # ABHM250019
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NORTH

1 E1.02 LEVEL 1 POWER PLAN

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

NOTES THIS SHEET ONLY

1. CONTRACTOR SHALL CONNECT IRRIGATION CONTROLLER TO NEAREST 120V CIRCUIT. SEE LANDSCAPE DRAWINGS FOR EXACT LOCATION.
2. AT EACH RESTROOM, PROVIDE LOW-VOLTAGE TRANSFORMER TO SUPPLY LOW-VOLTAGE POWER TO EACH FAUCET, URINAL, AND TOILET. PROVIDE LOW-VOLTAGE WIRING AS REQUIRED FROM TRANSFORMER TO EACH FIXTURE. CONNECT TRANSFORMER PRIMARY DOWNSTREAM OF OPD RECEPTACLE IN EACH RESTROOM.

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ARCHITECTURE • PLANNING
141 VULCAN STREET • SUITE 1 • BIRMINGHAM, ALABAMA • 35243
ROBERT RENFRO, PE
PROJECT MANAGER
(O) 205.538.7207
RENFRO@JRA-ARCH.COM
JRA JOB NO. 23170

POWER PLAN

E1.02
sheet of

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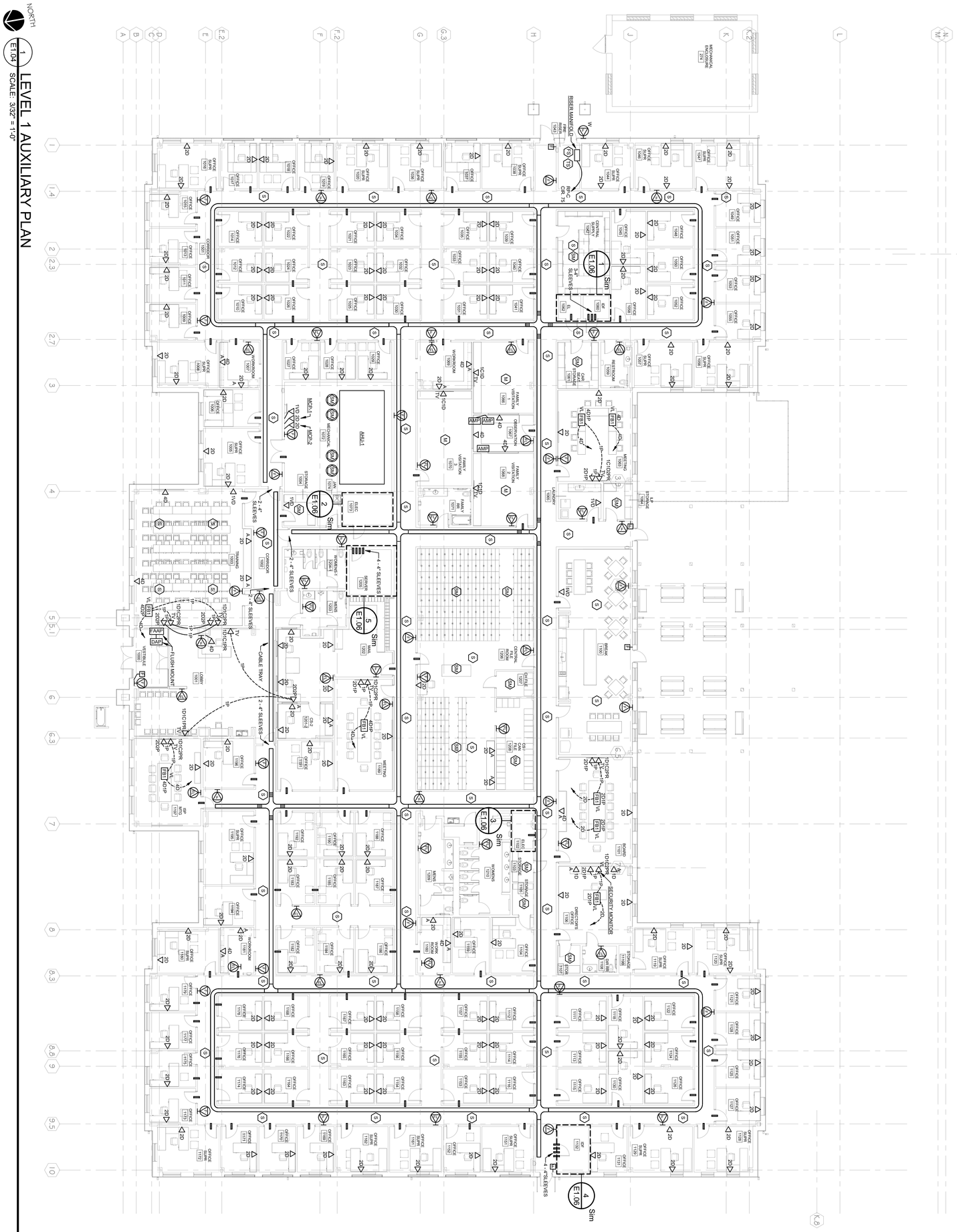
GMC # ABHM250019
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NORTH
MECHANICAL EQUIPMENT ROOM 1241
CONTROL PANEL
HEAT TRACE
RP-C CIR. 42
RP-C CIR. 41
RP-C CIR. 40
MP-B CIR. 3
EWH-1
RP-C CIR. 72
LP-C CIR. 5
LP-C CIR. 25
LP-C CIR. 8
LP-C CIR. 30
LP-C CIR. 7
LP-C CIR. 27
LP-C CIR. 23
RP-C CIR. 70
RP-C CIR. 69
RP-C CIR. 68
RP-C CIR. 67
RSHP-1
RSHP-2
RSHP-3
RSHP-4
LP-C CIR. 6
CONNECT TO OUTDOOR UNIT NOTE 1
AHU-1
U.V. LIGHTS
SERVICE LIGHTS
MP-B CIR. 84
MP-B CIR. 69
MP-B CIR. 4
MP-A CIR. 5
MP-A CIR. 6
MP-B CIR. 8
MP-B CIR. 7
MP-A CIR. 9
MP-A CIR. 10
MP-B CIR. 11
MP-B CIR. 12
MP-B CIR. 13
MP-B CIR. 14
MP-B CIR. 15
MP-B CIR. 16
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MP-B CIR. 36
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MP-B CIR. 38
MP-B CIR. 39
MP-B CIR. 40
MP-B CIR. 107
MP-B CIR. 109
RP-B CIR. 79
RP-B CIR. 109
LP-A CIR. 24
LP-A CIR. 26
LP-A CIR. 25
LP-A CIR. 21
LP-A CIR. 32
LP-A CIR. 27
LP-A CIR. 37
LP-A CIR. 33
LP-A CIR. 40
LP-B CIR. 10
LP-B CIR. 11
LP-B CIR. 9
LP-B CIR. 12
LP-B CIR. 23
LP-B CIR. 14
LP-B CIR. 22
LP-B CIR. 17
LP-B CIR. 28
LP-B CIR. 31
LP-B CIR. 38
LP-B CIR. 32
LP-B CIR. 33
LP-B CIR. 35
LP-B CIR. 34
LP-B CIR. 18
LP-B CIR. 40
EE-1
TU1-1
TU1-7
TU1-42
TU1-4
TU1-2
TU1-3
TU1-8
TU1-9
TU1-10
TU1-11
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RSHP-40
RSHP-41
RSHP-42
RSHP-43
RSHP-44



NORTH

1 E1.04 SCALE: 3/32" = 1'-0"

LEVEL 1 AUXILIARY PLAN

JACKSON, RENFRO & ASSOCIATES, INC.
ROBERT RENFRO, PE
2400 5th Avenue South, Suite 200
Birmingham, AL 35233
T 205.536.2207
F 205.536.2208
FAX 424-843-2207
2119 ELEVENTH AVENUE SOUTH ■ SUITE 200 ■ BIRMINGHAM, ALABAMA 35205

AUXILIARY PLAN

E1.04
sheet of

A.I.A. ALABAMA LICENSED ARCHITECT ROBERT C. RENFRO No. 26826 PROFESSIONAL 427.26

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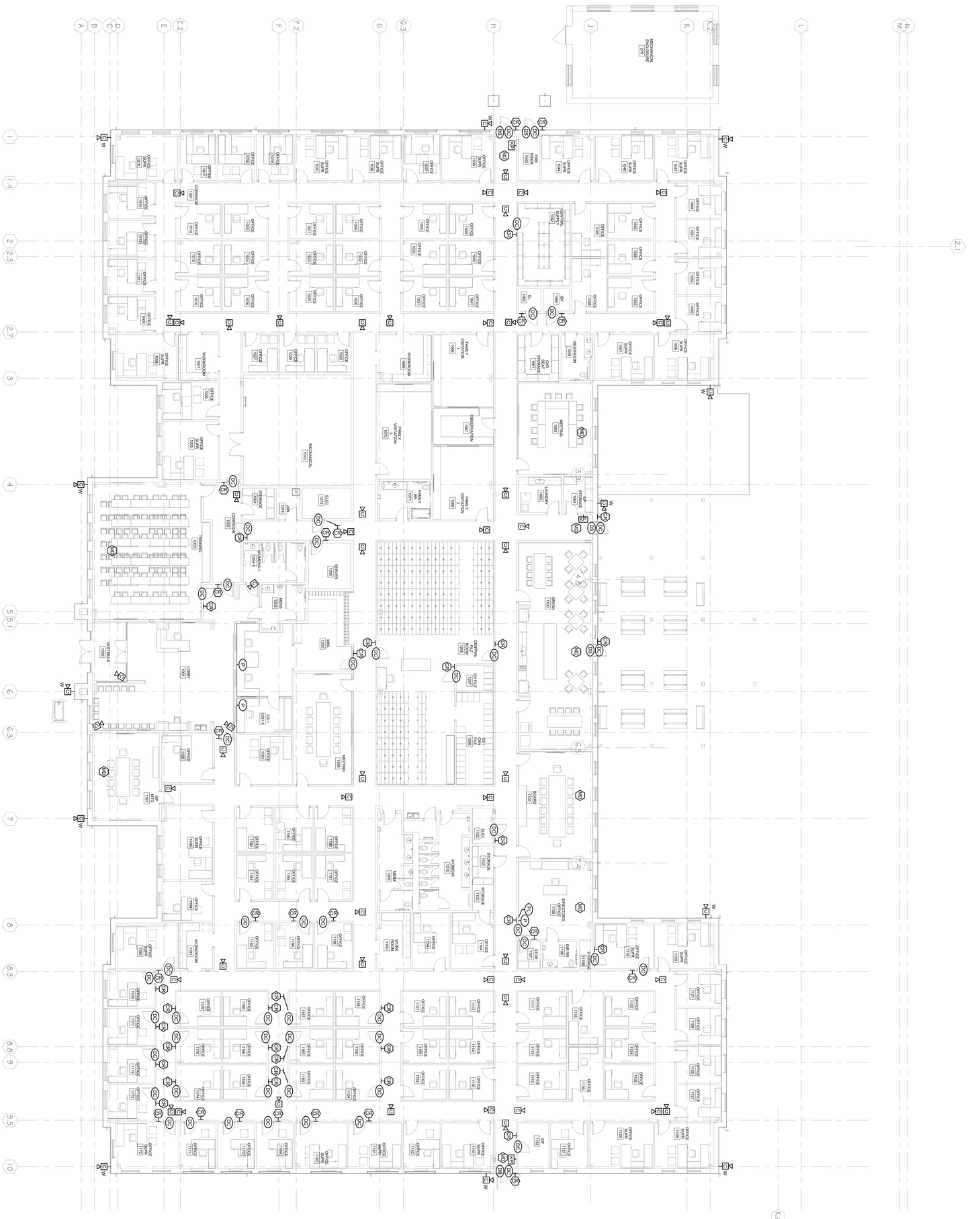
GMC # ABHM250019
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1 E1.05 LEVEL 1 SECURITY PLAN

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

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ARCHITECTURE • PLANNING
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ROBERT RENFRO, FE
PRINCIPAL
(O) 205.539.7207
(C) 205.515.2292
JRA JOB NO. 22172

SECURITY PLAN

E1.05
sheet ___ of ___

A.I.A. LICENSED ARCHITECT
No. 24570
PROFESSIONAL ENGINEER
ROBERT C. RENFRO
4.27.26

HOUSTON COUNTY DHR
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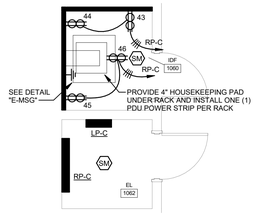
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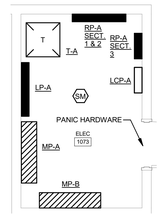
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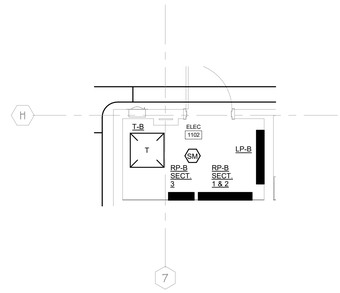
1 E1.06 ELEC 1079 AND IDF 1077 LARGE SCALE ELEC PLAN

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



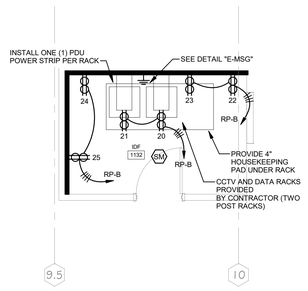
2 E1.06 ELEC 1088 LARGE SCALE ELECTRICAL PLAN

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



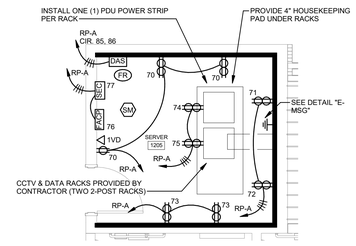
3 E1.06 ELEC 1104 LARGE SCALE ELECTRICAL PLAN

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



4 E1.06 IDF 1150 LARGE SCALE ELECTRICAL PLAN

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



5 E1.06 SERVER 1090 LARGE SCALE ELECTRICAL PLAN

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

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GMC # ABHM250019
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ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24463
4.27.26

LARGE SCALE ELECTRICAL PLANS

E1.06

sheet ___ of ___

JACKSON, RENFRO & ASSOCIATES, INC.
ELECTRICAL ENGINEERING & DESIGN
141 VILLAGE STREET • SUITE 1 • BIRMINGHAM, ALABAMA • 35242
ROBERT RENFRO, PE
bobby@jraee.com
(O) 205.536.7107
(F) 205.995.1078
JRA JOB NO. 22192

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PANELBOARD SCHEDULE - LP-B (SECT. 1)

PANEL TYPE:	SQUARE 'D' TYPE NF			AIC RATING:	30KAIC (MINIMUM)					
VOLTAGE:	277/480V-3P-4W			MOUNTING:	SURFACE					
AMPS & TYPE:	400 AMP - MLO			LOCATION:	SEE PLANS					
FED FROM:	MP-A			FEEDER:	SEE PANELBOARD SCHEDULE - MP-A					
CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	OFFICE LIGHTING	2,500	A	7,500	TU1-36	35/1	-	22
2	-	20/1	OFFICE LIGHTING	2,350	B	3,167	TU1-38	15/3	-	23
3	-	20/1	OFFICE LIGHTING	2,400	C	3,167	|	|	-	24
4	-	20/1	OFFICE LIGHTING	1,600	A	3,167	|	|	-	25
5	-	20/1	OFFICE LIGHTING	1,700	B	8,000	TU1-40	40/1	-	26
6	-	20/1	CORRIDOR LIGHTING	1,800	C	6,500	TU1-24	30/1	-	27
7	-	20/1	CORRIDOR EM LIGHTING	1,000	A	3,000	TU1-25	15/3	-	28
8	-	20/1	CORRIDOR LIGHTING	900	B	3,000	|	|	-	29
9	-	20/1	CORRIDOR EM LIGHTING	500	C	3,000	|	|	-	30
10	-	25/1	TU1-20	5,500	A	6,000	TU1-26	30/1	-	31
11	-	30/1	TU1-23	6,000	B	5,500	TU1-30	25/1	-	32
12	-	25/1	TU1-28	4,500	C	7,000	TU1-31	35/1	-	33
13	-	40/1	TU1-29	8,000	A	4,500	TU1-33	25/1	-	34
14	-	15/3	TU1-37	3,000	B	7,000	TU1-32	35/1	-	35
15	-	|	|	3,000	C	6,500	TU1-34	30/1	-	36
16	-	|	|	3,000	A	3,167	TU1-27	15/3	-	37
17	-	40/1	TU1-39	8,000	B	3,167	|	|	-	38
18	-	15/3	TU1-45	3,167	C	3,167	|	|	-	39
19	-	|	|	3,167	A	934	EF-1	15/3	-	40
20	-	|	|	3,167	B	934	|	|	-	41
21	-	20/1	SPARE		C	934	|	|	-	42
LP-B (SECT. 2)										
43	-	20/1	SPARE		A		-	20/1	-	64
44	-	20/1	SPARE		B		-	20/1	-	65
45	-	20/1	SPARE		C		-	20/1	-	66
46	-	20/1	SPARE		A		-	20/1	-	67
47	-	20/1	SPARE		B		-	20/1	-	68
48	-	20/1	SPARE		C		-	20/1	-	69
49	-	20/1	SPARE		A		-	20/1	-	70
50	-	20/1	SPARE		B		-	20/1	-	71
51	-	20/1	SPARE		C		-	20/1	-	72
52	-	20/1	-		A		-	20/1	-	73
53	-	20/1	-		B		-	20/1	-	74
54	-	20/1	-		C		-	20/1	-	75
55	-	20/1	-		A		-	20/1	-	76
56	-	20/1	-		B		-	20/1	-	77
57	-	20/1	-		C		-	20/1	-	78
58	-	20/1	-		A		-	20/1	-	79
59	-	20/1	-		B		-	20/1	-	80
60	-	20/1	-		C		-	20/1	-	81
61	-	20/1	-		A	17,989	RP-B (75 KVA X-FORMER)	125/3		82
62	-	20/1	-		B	17,989	3#1 & 1#6G - 1 1/2"C	|		83
63	-	20/1	-		C	17,989	|	|		84

NOTES:	PH. A:	PH. B:	PH. C:		
1. PROVIDE INTEGRAL 160KA (PER PHASE) SURGE PROTECTION DEVICE.	71,024	73,874	63,624	TOTAL CONNECTED LOAD:	331.6 KVA
					414.5 AMPS
				TOTAL DEMAND LOAD:	257.0 KVA
					321.2 AMPS
				TOTAL COMPUTED LOAD:	261.2 KVA
					326.5 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:	MP-A			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	CONVENIENCE OUTLETS	650	A	1,000	COPIER	20/1	-	22
2	-	20/1	CONFERENCE ROOM OUTLETS	1,400	B	400	WORKROOM OUTLETS	20/1	-	23
3	-	20/1	OFFICE OUTLETS	1,000	C	1,000	OFFICE OUTLETS	20/1	-	24
4	-	20/1	OFFICE OUTLETS	1,200	A	1,000	OFFICE OUTLETS	20/1	-	25
5	GFCI	20/1	DRINKING FOUNTAINS	1,000	B	1,000	OFFICE OUTLETS	20/1	-	26
6	-	20/1	LOBBY OUTLETS	1,200	C	1,000	OFFICE OUTLETS	20/1	-	27
7	-	20/1	DOOR OPERATOR	800	A	1,000	OFFICE OUTLETS	20/1	-	28
8	-	20/1	COPIER	1,000	B	1,000	OFFICE OUTLETS	20/1	-	29
9	-	20/1	LOBBY OUTLETS	1,400	C	1,000	OFFICE OUTLETS	20/1	-	30
10	-	20/1	OFFICE OUTLETS	1,400	A	1,000	OFFICE OUTLETS	20/1	-	31
11	-	20/1	COPIER	1,000	B	1,000	OFFICE OUTLETS	20/1	-	32
12	-	20/1	HAND DRYER	1,500	C	1,000	OFFICE OUTLETS	20/1	-	33
13	-	20/1	HAND DRYER	1,500	A	1,000	OFFICE OUTLETS	20/1	-	34
14	-	20/1	CONVENIENCE OUTLETS	1,250	B	1,000	OFFICE OUTLETS	20/1	-	35
15	-	20/1	TRAINING ROOM OUTLETS	1,200	C	1,000	OFFICE OUTLETS	20/1	-	36
16	-	20/1	TRAINING ROOM OUTLETS	800	A	1,000	OFFICE OUTLETS	20/1	-	37
17	-	20/1	TRAINING ROOM OUTLETS	800	B	1,000	OFFICE OUTLETS	20/1	-	38
18	-	20/1	TRAINING ROOM OUTLETS	600	C	1,000	OFFICE OUTLETS	20/1	-	39
19	-	20/1	OFFICE OUTLETS	1,000	A	1,000	OFFICE OUTLETS	20/1	-	40
20	-	20/1	OFFICE OUTLETS	1,000	B	1,000	OFFICE OUTLETS	20/1	-	41
21	-	20/1	CONVENIENCE OUTLETS	1,400	C	1,000	OFFICE OUTLETS	20/1	-	42
RP-A (SECT. 2)										
43	-	20/1	OFFICE OUTLETS	1,000	A	800	CONVENIENCE OUTLETS	20/1	-	64
44	-	20/1	OFFICE OUTLETS	1,000	B	1,500	HAND DRYER	20/1	-	65
45	-	20/1	OFFICE OUTLETS	1,000	C	1,200	CONVENIENCE OUTLETS	20/1	-	66
46	-	20/1	OFFICE OUTLETS	1,000	A	1,100	CONVENIENCE OUTLETS	20/1	-	67
47	-	20/1	OFFICE OUTLETS	1,000	B	1,000	CONVENIENCE OUTLETS	20/1	-	68
48	-	20/1	OFFICE OUTLETS	1,000	C	300	AHU-1 SERVICE LIGHTS	20/1	-	69
49	-	20/1	OFFICE OUTLETS	1,000	A	1,000	TBB	20/1	-	70
50	-	20/1	OFFICE OUTLETS	1,000	B	800	TBB	20/1	-	71
51	-	20/1	OFFICE OUTLETS	1,000	C	800	TBB	20/1	-	72
52	-	20/1	OFFICE OUTLETS	1,000	A	800	TBB	20/1	-	73
53	-	20/1	OFFICE OUTLETS	1,000	B	800	IT	20/1	-	74
54	-	20/1	OFFICE OUTLETS	1,000	C	800	IT	20/1	-	75
55	-	20/1	OFFICE OUTLETS	1,000	A	500	FACP	20/1	LO	76
56	-	20/1	OFFICE OUTLETS	1,000	B	500	SECURITY PANEL	20/1	-	77
57	-	20/1	OFFICE OUTLETS	1,000	C	500	MCP-1	20/1	-	78
58	-	20/1	FAMILY VISITATION OUTLETS	1,200	A	1,500	ECH-1	20/2	-	79
59	-	20/1	WORKROOM OUTLETS	400	B	1,500	|	|	-	80
60	-	20/1	COPIER	1,000	C	500	MCP-2	20/1	-	81
61	-	20/1	FAMILY VISITATION OUTLETS	1,200	A	2,250	EWH-1	30/2	-	82
62	-	20/1	OBSERVATION OUTLETS	800	B	2,250	|	|	-	83
63	-	20/1	FAMILY VISITATION OUTLETS	1,200	C	800	UV LIGHTS	20/1	-	84
RP-A (SECT. 3)										
85	LO	20/1	DAS	400	A		-	20/1	-	106
86	LO	20/1	DAS	400	B		-	20/1	-	107
87	-	20/1	RPZ	500	C		-	20/1	-	108
88	-	20/1	SPARE		A		-	20/1	-	109
89	-	20/1	SPARE		B		-	20/1	-	110
90	-	20/1	SPARE		C		-	20/1	-	111
91	-	20/1	SPARE		A		-	20/1	-	112
92	-	20/1	SPARE		B		-	20/1	-	113
93	-	20/1	SPARE		C		-	20/1	-	114
94	-	20/1	SPARE		A		-	20/1	-	115
95	-	20/1	-		B		-	20/1	-	116
96	-	20/1	-		C		-	20/1	-	117
97	-	20/1	-		A		-	20/1	-	118
98	-	20/1	-		B		-	20/1	-	119
99	-	20/1	-		C		-	20/1	-	120
100	-	20/1	-		A		-	20/1	-	121
101	-	20/1	-		B		-	20/1	-	122
102	-	20/1	-		C		-	20/1	-	123
103	-	20/1	-		A	13,558	RP-C	225/3	-	124
104	-	20/1	-		B	13,558	4#4/0 & 1#4G - 2 1/2"C	|	-	125
105	-	20/1	-		C	13,558	|	|	-	126

NOTES:	PH. A:	PH. B:	PH. C:		
1. PROVIDE INTEGRAL 160KA SPD.	43,658	42,358	41,458	TOTAL CONNECTED LOAD:	143.7 KVA
2. "GFCI" = GROUND-FAULT BREAKER (5mA TRIP).					399.1 AMPS
3. "EGFI" = GROUND-FAULT BREAKER (30mA TRIP).				TOTAL DEMAND LOAD:	89.9 KVA
4. "LO" = LOCK-ON HARDWARE.					249.7 AMPS
				TOTAL COMPUTED LOAD:	90.3 KVA
					250.8 AMPS

PANELBOARD SCHEDULE - MP-A

PANEL TYPE:	SQUARE 'D' I-LINE SERIES			AIC RATING:	65KAIC (MINIMUM)					
VOLTAGE:	277/480V-3P-4W			MOUNTING:	SURFACE					
AMPS & TYPE:	800/3 MAIN BKR			LOCATION:	SEE PLANS					
FED FROM:	UTILITY			FEEDER:	3 SETS OF 4-300MCM - 3"C					
CIR. NO.	DESCRIPTION	VOLTS	P	HP	KW OR KVA	AMPS	BKR SIZE	LOCAL SAFETY SW. RATING	WIRE AND COND. SIZE	REMARKS
1	LP-B	277/480	3		261.2		400/3	-	2 SETS OF 4#3/0 & 1#3G - 2 1/2"C	
2	LP-A	277/480	3		99.0		225/3	-	4#4/0 & 1#4G - 2 1/2"C	
3	LP-C	277/480	3		71.0		225/3	-	4#4/0 & 1#4G - 2 1/2"C	
4	RP-A (112.5 KVA X-FORMER)	480	3		90.3		175/3	-	3#2/0 & 1#6G - 2"C	
5	TU1-35	277/480	3		10.0		20/3	30/3	4#12 & 1#12G - 3/4"C	
6	TU1-44	277/480	3		9.5		15/3	30/3	4#12 & 1#12G - 3/4"C	
7	SPACE		3				-/3	-		
8	SPACE		3				-/3	-		
9	SPACE		3				-/3	-		
10	SPACE		3				-/3	-		
11	SPACE		3				-/3	-		
12	SPACE		3				-/3	-		

TOTAL CONNECTED LOAD:	658.7 KVA	NOTES:	
	823.3 AMPS	1. PANEL SHALL BE SERVICE-ENTRANCE RATED.	
TOTAL DEMAND LOAD:	525.2 KVA	2. PROVIDE INTEGRAL 240KA (PER PHASE) SURGE PROTECTION DEVICE.	
	656.5 AMPS	3. MAIN BREAKER SHALL BE GROUND-FAULT TYPE	
TOTAL COMPUTED LOAD:	536.0 KVA	4. PROVIDE ARC-FLASH ENERGY REDUCTION MAINTENANCE SWITCH (TO ADJUST BREAKER TRIP SETTINGS TO LOWER LEVELS WHEN SWITCH IS IN "MAINTENANCE MODE") PER NEC 2014 ARTICLE 240.87 REQUIREMENTS.	
	670.0 AMPS		

PANELBOARD SCHEDULE - MP-B

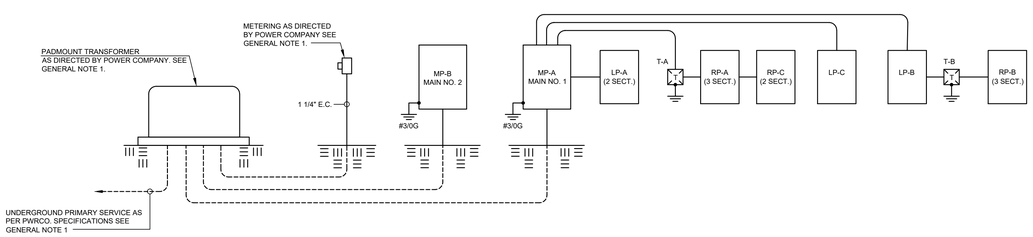
PANEL TYPE:	SQUARE 'D' I-LINE SERIES			AIC RATING:	65KAIC (MINIMUM)					
VOLTAGE:	277/480V-3P-4W			MOUNTING:	SURFACE					
AMPS & TYPE:	800/3 MAIN BKR			LOCATION:	SEE PLANS					
FED FROM:	UTILITY			FEEDER:	3 SETS OF 4-300MCM - 3"C					
CIR. NO.	DESCRIPTION	VOLTS	P	HP	KW OR KVA	AMPS	BKR SIZE	LOCAL SAFETY SW. RATING	WIRE AND COND. SIZE	REMARKS
1	CH-1	480	3			259.3	350/3	400/3 - F350	3-500MCM & 1#3G - 3"C	
2	AHU-1 FANS	480	3			61.0	70/3	100/3 - F70	3#4 & 1#8G - 1 1/4"C	
3	AHU-1 HEATER	480	3			212.0	300/3	400/3 - F300	3-350MCM & 1#4G - 3"C	
4	TU1-9	277/480	3		11.5		20/3	30/3	4#12 & 1#12G - 3/4"C	
5	TU1-16	277/480	3		17.0		30/3	30/3	4#10 & 1#10G - 1"C	
6	TU1-21	277/480	3		18.0		30/3	30/3	4#10 & 1#10G - 1"C	
7	TU1-22	277/480	3		11.5		20/3	30/3	4#12 & 1#12G - 3/4"C	
8	TU1-17	277/480	3		13.0		25/3	30/3	4#10 & 1#10G - 1"C	
9	SPACE		3				-/3	-		
10	SPACE		3				-/3	-		
11	SPACE		3				-/3	-		

TOTAL CONNECTED LOAD:	496.8 KVA	NOTES:	
	621.0 AMPS	1. PROVIDE INTEGRAL 240KA (PER PHASE) SURGE PROTECTION DEVICE.	
TOTAL DEMAND LOAD:	496.8 KVA	2. PANEL SHALL BE SERVICE-ENTRANCE RATED.	
	621.0 AMPS	3. MAIN BREAKER SHALL BE GROUND-FAULT TYPE	
TOTAL COMPUTED LOAD:	496.8 KVA	4. PROVIDE ARC-FLASH ENERGY REDUCTION MAINTENANCE SWITCH (TO ADJUST BREAKER TRIP SETTINGS TO LOWER LEVELS WHEN SWITCH IS IN "MAINTENANCE MODE") PER NEC 2014 ARTICLE 240.87 REQUIREMENTS.	
	621.0 AMPS		

PANELBOARD SCHEDULE - LP-A (SECT. 1)

PANEL TYPE:	SQUARE 'D' TYPE NF			AIC RATING:	35KAIC (MINIMUM)					
VOLTAGE:	277/480V-3P-4W			MOUNTING:	SURFACE					
AMPS & TYPE:	225 AMP - MLO			LOCATION:	SEE PLANS					
FED FROM:	MP-A			FEEDER:	SEE PANELBOARD SCHEDULE - MP-A					
CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	OFFICE LIGHTING	2,700	A	600	ATTIC LIGHTING	20/1	LCP	31
2	-	20/1	OFFICE LIGHTING	2,850	B	8,000	TU1-15	40/1	-	32
3	-	20/1	OFFICE LIGHTING	2,700	C	5,000	TU1-18	25/1	-	33
4	-	20/1	OFFICE LIGHTING	2,400	A	3,000	TU1-19	15/3	-	34
5	-	20/1	CORRIDOR LIGHTING	1,100	B	3,000	|	|	-	35
6	-	20/1	CORRIDOR EM LIGHTING	650	C	3,000	|	|	-	36
7	-	20/1	CORRIDOR LIGHTING	800	A	3,167	TU1-43	15/3	-	37
8	-	20/1	CORRIDOR EM LIGHTING	700	B	3,167	|	|	-	38
9	LCP	20/1	ENTRY LIGHTING	500	C	3,167	|	|	-	39
10	-	20/1	LOBBY LIGHTING	650	A	6,000	TU1-41	30/1	-	40
11	LCP	20/1	EXTERIOR LIGHTING	350	B		SPARE	20/1	-	41
12	LCP	20/1	EXTERIOR LIGHTING	500	C		SPARE	20/1	-	42
13	LCP	20/1	EXTERIOR LIGHTING	350	A		SPARE	20/1	-	43
14	LCP	20/1	PARKING LOT LIGHTING	408	B		SPARE	20/1	-	44
15	LCP	20/1	PARKING LOT LIGHTING	510	C		SPARE	20/1	-	45
16	LCP	20/1	PARKING LOT LIGHTING	510	A		SPARE	20/1	-	46
17	LCP	20/1	PARKING LOT LIGHTING	612	B		SPARE	20/1	-	47
18	LCP	20/1	ENTRY SIGN LIGHTING	150	C		SPARE	20/1	-	48
19	LCP	20/1	FLAG LIGHTING	100	A		SPARE	20/1	-	49
20	LCP	20/1	MONUMENT SIGN	200	B		-	20/1	-	50
21	-	15/3	TU1-10	3,000	C		-	20/1	-	51
22	-	|	|	3,000	A		-	20/1	-	52
23	-	|	|	3,000	B		-	20/1	-	53
24	-	40/1	TU1-11	8,000	C		-	20/1	-	54
25	-	35/1	TU1-12	7,500	A		-	20/1	-	55
26	-	40/1	TUI-13	8,000	B		-	20/1	-	56
27	-	25/1	TU1-14	5,000	C		-	20/1	-	57
28	-		SPARE		A		-	20/1	-	58
29	-		SPARE		B		-	20/1	-	59
30	-		SPARE		C		-	20/1	-	60

NOTES:	PH. A:	PH. B:	PH. C:		
1. PROVIDE INTEGRAL 160KA (PER PHASE) SURGE PROTECTION DEVICE.	30,777	31,387	32,177	TOTAL CONNECTED LOAD:	94.3 KVA
					117.9 AMPS
				TOTAL DEMAND LOAD:	94.3 KVA
					117.9 AMPS
				TOTAL COMPUTED LOAD:	99.0 KVA
					123.8 AMPS



SINGLE LINE DIAGRAM

SCALE : NONE

NOTES:

1. REFER TO PANELBOARD SCHEDULES FOR FEEDER SIZES NOT INDICATED ON THIS DIAGRAM.

GMC

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

ISSUE	DATE
BID SET	04.27.2026

DRAWN BY: SNJ
CHECKED BY: RCR

HOUSTON COUNTY DHR
PROJECT ADDRESS PENDING

GMC # ABHM250019
SBC # [ENTER VALUE]

ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 26480 4.27.26

PANELBOARD SCHEDULES

E2.01 sheet of

JACKSON, RENFRO & ASSOCIATES, INC.
ELECTRICAL ENGINEERING & DESIGN
ROBERT RENFRO, PE
bobby@jraee.com
(O) 205.536.7107
(F) 205.995.1078
JRA JOB NO. 225702
2A VILLAGE STREET • SUITE 1 • BIRMINGHAM, ALABAMA • 35242

11/5/2025 5:02:38 PM TEMPLATE VERSION: 2021.1

PANELBOARD SCHEDULE - RP-C (SECT. 1)

PANEL TYPE:	SQUARE 'D' TYPE NQ	AIC RATING:	10KAIC (MINIMUM)
VOLTAGE:	120/208V-3P-4W	MOUNTING:	SURFACE
AMPS & TYPE:	225 AMP - MLO	LOCATION:	SEE PLANS
FED FROM:	RP-A	FEEDER:	SEE PANELBOARD SCHEDULE - RP-A (SECT. 1)

CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	CONVENIENCE OUTLETS	750	A	2,500	DRYER	30/2	GFCI	22
2	-	20/1	OFFICE OUTLETS	1,000	B	2,500	|	|	GFCI	23
3	-	20/1	CONVENIENCE OUTLETS	600	C	1,500	WASHER	20/1	GFCI	24
4	-	20/1	OFFICE OUTLETS	1,000	A	1,200	BREAKROOM OUTLETS	20/1	-	25
5	-	20/1	OFFICE OUTLETS	1,000	B	1,500	REFRIGERATOR	20/1	GFCI	26
6	-	20/1	OFFICE OUTLETS	1,000	C	1,500	MICROWAVE	20/1	GFCI	27
7	-	20/1	OFFICE OUTLETS	1,000	A	1,500	MICROWAVE	20/1	GFCI	28
8	-	20/1	OFFICE OUTLETS	1,000	B	1,500	MICROWAVE	20/1	GFCI	29
9	-	20/1	OFFICE OUTLETS	1,000	C	1,500	KITCHEN OUTLETS	20/1	-	30
10	-	20/1	OFFICE OUTLETS	1,000	A	1,500	KITCHEN OUTLETS	20/1	-	31
11	-	20/1	OFFICE OUTLETS	1,000	B	1,500	COFFEE MAKER	20/1	-	32
12	-	20/1	OFFICE OUTLETS	1,000	C	1,500	REFRIGERATOR	20/1	GFCI	33
13	-	20/1	OFFICE OUTLETS	1,000	A	1,000	ICE MACHINE	20/1	GFCI	34
14	-	20/1	OFFICE OUTLETS	1,000	B	1,000	VENDING MACHINE	20/1	GFCI	35
15	-	20/1	OFFICE OUTLETS	1,000	C	600	BREAKROOM OUTLETS	20/1	-	36
16	-	20/1	OFFICE OUTLETS	1,000	A	500	IRRIGATION CONTROLLER	20/1	-	37
17	-	20/1	HAND DRYER	1,500	B	750	CONVENIENCE OUTLETS	20/1	-	38
18	-	20/1	CONVENIENCE OUTLETS	800	C	200	EXTERIOR FANS	20/1	-	39
19	-	20/1	CONFERENCE ROOM OUTELTS	1,000	A	1,000	HEAT TRACE	20/1	EGFI	40
20	-	20/1	FLOOR BOXES	800	B	500	CHILLER CONTROL PANEL	20/1	-	41
21	-	20/1	CONVENIENCE OUTLETS	1,000	C	200	CHILLER CONVENIENCE OUTLET	20/1	-	42
RP-C (SECT. 2)										
43	-	20/1	TBB	400	A	973	DSHP-1	30/2	-	64
44	-	20/1	TBB	400	B	973	|	|	-	65
45	-	20/1	TBB	400	C	973	DSHP-2	30/2	-	66
46	-	20/1	TBB	400	A	973	|	|	-	67
47	-	20/1	SPARE		B	973	DSHP-3	30/2	-	68
48	-	20/1	SPARE		C	973	|	|	-	69
49	-	20/1	SPARE		A	973	DSHP-4	30/2	-	70
50	-	20/1	SPARE		B	973	|	|	-	71
51	-	20/1	SPARE		C	500	EWH-1	20/1	-	72
52	-	20/1	SPARE		A			20/1	-	73
53	-	20/1	-		B	600	CONVENIENCE OUTLETS	20/1	-	74
54	-	20/1	-		C	500	FIRE RISE MANIFOLD	20/1	-	75
55	-	20/1	-		A			20/1	-	76
56	-	20/1	-		B			20/1	-	77
57	-	20/1	-		C			20/1	-	78
58	-	20/1	-		A		-	20/1	-	79
59	-	20/1	-		B		-	20/1	-	80
60	-	20/1	-		C		-	20/1	-	81
61	-	20/1	-		A		-	20/1	-	82
62	-	20/1	-		B		-	20/1	-	83
63	-	20/1	-		C		-	20/1	-	84

NOTES:
1. PROVIDE INTEGRAL 160KA SPD.
2. "GFCI" = GROUND-FAULT BREAKER (5mA TRIP).

PH. A:	PH. B:	PH. C:		
19,669	20,469	16,746	TOTAL CONNECTED LOAD:	56.9 KVA
				158.0 AMPS
			TOTAL DEMAND LOAD:	40.5 KVA
				112.6 AMPS
			TOTAL COMPUTED LOAD:	40.7 KVA
				113.0 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	75	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.

LIGHTING CONTROL PANEL SCHEDULE - LCP-A

MARK	DESCRIPTION	PANEL	CIRCUIT	AUTOMATIC CONTROL		OVERRIDE ON		OVERRIDE OFF		REMARKS
				ON	OFF	STATION	BUTTON	STATION	BUTTON	
R1	ENTRY LIGHTING	LP-A	9	OWNER	OWNER					
R2	EXTERIOR LIGHTING	LP-A	11	OWNER	OWNER					
R3	EXTERIOR LIGHTING	LP-A	12	OWNER	OWNER					
R4	EXTERIOR LIGHTING	LP-A	13	OWNER	OWNER					
R5	PARKING LOT LIGHTING	LP-A	14	DUSK	DAWN					
R6	PARKING LOT LIGHTING	LP-A	15	DUSK	MIDNIGHT					
R7	PARKING LOT LIGHTING	LP-A	16	DUSK	DAWN					
R8	PARKING LOT LIGHTING	LP-A	17	DUSK	MIDNIGHT					
R9	ENTRY SIGN LIGHTING	LP-A	18	OWNER	OWNER					
R10	FLAG LIGHTING	LP-A	19	DUSK	DAWN					
R11	MONUMENT SIGN	LP-A	20	OWNER	OWNER					
R12	SPARE									
R13	SPARE									
R14	SPARE									
R15	SPARE									
R16	SPARE									
R17	SPARE									
R18	SPARE									
R19	SPARE									
R20	SPARE									
R21	SPARE									
R22	SPARE									
R23	SPARE									
R24	SPARE									

NOTES:
1. VERIFY SCHEDULING TIMES WITH OWNER PRIOR TO PROGRAMMING SYSTEM.

PANELBOARD SCHEDULE - RP-B (SECT. 1)

PANEL TYPE:	SQUARE 'D' TYPE NQ	AIC RATING:	10KAIC (MINIMUM)
VOLTAGE:	120/208V-3P-4W	MOUNTING:	SURFACE
AMPS & TYPE:	300/3 MAIN BKR	LOCATION:	SEE PLANS
FED FROM:	LP-B	FEEDER:	4-350MCM & 1#2G - 3"C

CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	BOARD ROOM OUTLETS	1,000	A	400	TBB	20/1	-	22
2	-	20/1	BOARD ROOM OUTLETS	800	B	400	TBB	20/1	-	23
3	-	20/1	OFFICE OUTLETS	1,000	C	400	TBB	20/1	-	24
4	-	20/1	OFFICE OUTLETS	1,000	A	400	TBB	20/1	-	25
5	-	20/1	CONVENIENCE OUTLETS	1,000	B	1,000	OFFICE OUTLETS	20/1	-	26
6	-	20/1	OFFICE OUTLETS	1,000	C	1,000	OFFICE OUTLETS	20/1	-	27
7	-	20/1	OFFICE OUTLETS	1,000	A	1,000	OFFICE OUTLETS	20/1	-	28
8	-	20/1	CONVENIENCE OUTLETS	1,400	B	1,500	CONVENIENCE OUTLETS	20/1	-	29
9	-	20/1	OFFICE OUTLETS	1,000	C	1,500	HAND DRYER	20/1	-	30
10	-	20/1	OFFICE OUTLETS	1,000	A	1,050	CONVENIENCE OUTLETS	20/1	-	31
11	-	20/1	OFFICE OUTLETS	1,000	B	1,400	CONVENIENCE OUTLETS	20/1	-	32
12	-	20/1	OFFICE OUTLETS	1,000	C	1,000	DRINKING FOUNTAINS	20/1	GFCI	33
13	-	20/1	OFFICE OUTLETS	1,000	A	1,500	HAND DRYER	20/1	-	34
14	-	20/1	OFFICE OUTLETS	1,000	B	1,000	OFFICE OUTLETS	20/1	-	35
15	-	20/1	OFFICE OUTLETS	1,000	C	1,000	OFFICE OUTLETS	20/1	-	36
16	-	20/1	OFFICE OUTLETS	1,000	A	1,000	COPIER	20/1	-	37
17	-	20/1	OFFICE OUTLETS	1,000	B	400	WORKROOM OUTLETS	20/1	-	38
18	-	20/1	OFFICE OUTLETS	1,000	C	1,500	HAND DRYER	20/1	-	39
19	-	20/1	OFFICE OUTLETS	1,000	A		SPARE	20/1	-	40
20	-	20/1	IT	400	B		SPARE	20/1	-	41
21	-	20/1	IT	400	C		SPARE	20/1	-	42
RP-B (SECT. 2)										
43	-	20/1	OFFICE OUTLETS	1,000	A	1,000	OFFICE OUTLETS	20/1	-	64
44	-	20/1	OFFICE OUTLETS	1,000	B	1,000	OFFICE OUTLETS	20/1	-	65
45	-	20/1	OFFICE OUTLETS	1,000	C	1,000	OFFICE OUTLETS	20/1	-	66
46	-	20/1	OFFICE OUTLETS	1,000	A	1,000	OFFICE OUTLETS	20/1	-	67
47	-	20/1	OFFICE OUTLETS	1,000	B	1,000	OFFICE OUTLETS	20/1	-	68
48	-	20/1	OFFICE OUTLETS	1,000	C	1,000	OFFICE OUTLETS	20/1	-	69
49	-	20/1	OFFICE OUTLETS	1,000	A	1,000	OFFICE OUTLETS	20/1	-	70
50	-	20/1	OFFICE OUTLETS	1,000	B	1,000	OFFICE OUTLETS	20/1	-	71
51	-	20/1	OFFICE OUTLETS	1,000	C	1,000	OFFICE OUTLETS	20/1	-	72
52	-	20/1	OFFICE OUTLETS	1,000	A	1,000	OFFICE OUTLETS	20/1	-	73
53	-	20/1	OFFICE OUTLETS	1,000	B	400	WORKROOM OUTLETS	20/1	-	74
54	-	20/1	OFFICE OUTLETS	1,000	C	1,000	CONVENIENCE OUTLETS	20/1	-	75
55	-	20/1	OFFICE OUTLETS	1,000	A	1,000	OFFICE OUTLETS	20/1	-	76
56	-	20/1	OFFICE OUTLETS	1,000	B	1,000	OFFICE OUTLETS	20/1	-	77
57	-	20/1	OFFICE OUTLETS	1,000	C	1,400	CONFERENCE ROOM OUTLETS	20/1	-	78
58	-	20/1	OFFICE OUTLETS	1,000	A	1,000	OFFICE OUTLETS	20/1	-	79
59	-	20/1	OFFICE OUTLETS	1,000	B	1,000	OFFICE OUTLETS	20/1	-	80
60	-	20/1	OFFICE OUTLETS	1,000	C	1,000	OFFICE OUTLETS	20/1	-	81
61	-	20/1	OFFICE OUTLETS	1,000	A	1,000	OFFICE OUTLETS	20/1	-	82
62	-	20/1	OFFICE OUTLETS	1,000	B	1,000	OFFICE OUTLETS	20/1	-	83
63	-	20/1	OFFICE OUTLETS	1,000	C	1,000	OFFICE OUTLETS	20/1	-	84
RP-B (SECT. 3)										
85	-	20/1	OFFICE OUTLETS	1,000	A		SPARE	20/1	-	106
86	-	20/1	OFFICE OUTLETS	1,000	B	973	DSHP-5	30/2	-	107
87	-	20/1	OFFICE OUTLETS	1,000	C	973	|	|	-	108
88	-	20/1	OFFICE OUTLETS	1,000	A	973	DSHP-6	30/2	-	109
89	-	20/1	CONVENIENCE OUTLETS	1,400	B	973	|	|	-	110
90	-	20/1	SPARE		C		-	20/1	-	111
91	-	20/1	SPARE		A		-	20/1	-	112
92	-	20/1	SPARE		B		-	20/1	-	113
93	-	20/1	SPARE		C		-	20/1	-	114
94	-	20/1	SPARE		A		-	20/1	-	115
95	-	20/1	SPARE		B		-	20/1	-	116
96	-	20/1	-		C		-	20/1	-	117
97	-	20/1	-		A		-	20/1	-	118
98	-	20/1	-		B		-	20/1	-	119
99	-	20/1	-		C		-	20/1	-	120
100	-	20/1	-		A		-	20/1	-	121
101	-	20/1	-		B		-	20/1	-	122
102	-	20/1	-		C		-	20/1	-	123
103	-	20/1	-		A		-	20/1	-	124
104	-	20/1	-		B		-	20/1	-	125
105	-	20/1	-		C		-	20/1	-	126

NOTES:
1. PROVIDE INTEGRAL 160KA SPD.
2. "GFCI" = GROUND-FAULT BREAKER (5mA TRIP).
3. INDICATED BREAKER(S) SHALL BE EQUIPMENT-PROTECTION GFI-TYPE (30mA TRIP).

PH. A:	PH. B:	PH. C:		
29,323	30,046	29,173	TOTAL CONNECTED LOAD:	88.5 KVA
				246.0 AMPS
			TOTAL DEMAND LOAD:	53.7 KVA
				149.2 AMPS
			TOTAL COMPUTED LOAD:	54.0 KVA
				149.9 AMPS

PANELBOARD SCHEDULE - LP-C

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

CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	OFFICE LIGHTING	2,100	A	6,000	TU1-5	30/1	-	23
2	-	20/1	OFFICE LIGHTING	2,000	B	6,500	TU1-6	30/1	-	24
3	-	20/1	CORRIDOR LIGHTING	1,300	C	2,834	TU1-7	15/3	-	25
4	-	20/1	CORRIDOR EM LIGHTING	600	A	2,834	|	|	-	26
5	-	35/1	TU1-1	7,000	B	2,834	|	|	-	26
6	-	35/1	TU1-2	7,000	C	3,000	TU1-8	15/3	-	27
7	-	25/1	TU1-3	5,000	A	3,000	|	|	-	28
8	-	25/1	TU1-4	5,000	B	3,000	|	|	-	29
9	-	20/1	SPARE		C	3,167	TU1-42	15/3	-	30
10	-	20/1	SPARE		A	3,167	|	|	-	31
11	-	20/1	SPARE		B	3,167	|	|	-	32
12	-	20/1	SPARE		C		-	20/1	-	33
13	-	20/1	SPARE		A		-	20/1	-	34
14	-	20/1	SPARE		B		-	20/1	-	35
15	-	20/1	-		C		-	20/1	-	36
16	-	20/1	-		A		-	20/1	-	37
17	-	20/1	-		B		-	20/1	-	38
18	-	20/1	-		C		-	20/1	-	39
19	-	20/1	-		A		-	20/1	-	40
20	-	20/1	-		B		-	20/1	-	41
21	-	20/1	-		C		-	20/1	-	42

NOTES:
1. PROVIDE INTEGRAL 160KA (PER PHASE) SURGE PROTECTION DEVICE.

PH. A:	PH. B:	PH. C:		
22,701	29,501	17,301	TOTAL CONNECTED LOAD:	69.5 KVA
				86.9 AMPS
			TOTAL DEMAND LOAD:	69.5 KVA
				86.9 AMPS
			TOTAL COMPUTED LOAD:	71.0 KVA
				88.8 AMPS

JACKSON, RENFRO & ASSOCIATES, INC.
ELECTRICAL ENGINEERING & DESIGN
141 VILLAGE STREET • SUITE 1 • BIRMINGHAM, ALABAMA • 35242
ROBERT RENFRO, PE
bobby@jraee.com
(D) 205.536.7107
(P) 205.995.1078
JRA EIN NO. 223392

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

ISSUE | DATE
BID SET | 04.27.2026

DRAWN BY: SNJ
CHECKED BY: RCR

HOUSTON COUNTY DHR
PROJECT ADDRESS PENDING

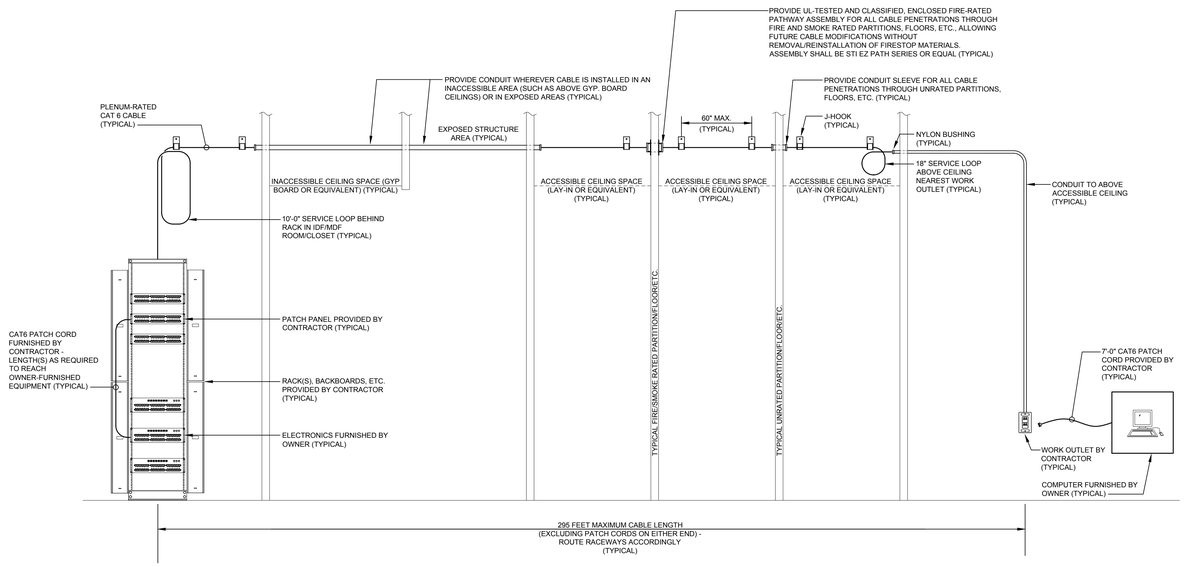
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SBC # [ENTER VALUE]

ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24483
4.27.26

PANELBOARD SCHEDULES

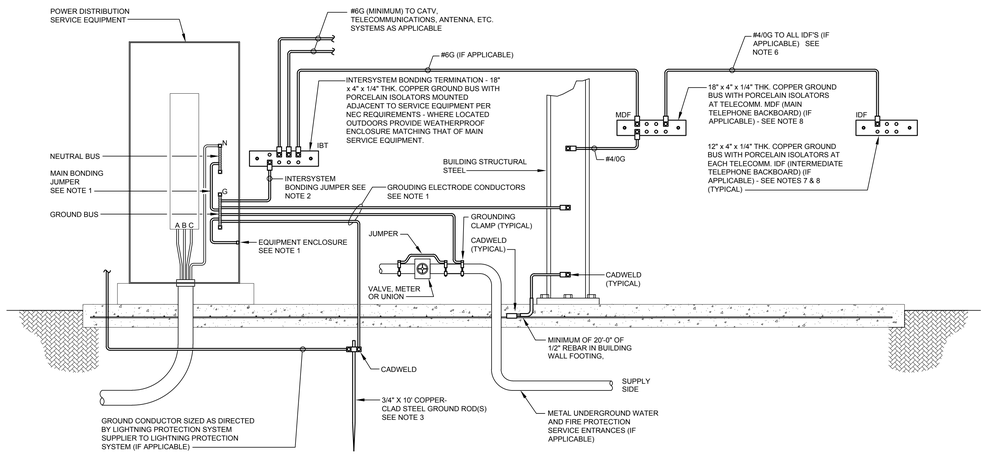
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DETAIL "E-SCH" - STRUCTURED CABLING HORIZONTAL TYPICAL WIRING DIAGRAM

SCALE : NONE

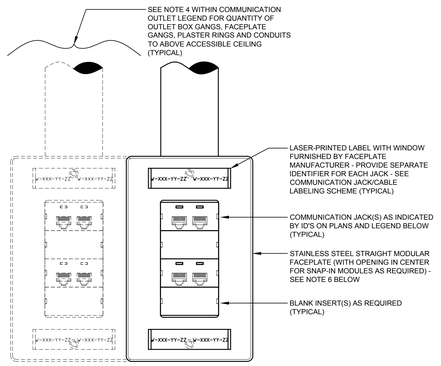


DETAIL "E-MSG" MAIN SERVICE GROUNDING

SCALE : NONE

DETAIL NOTES

1. ALL GROUNDING ELECTRODE CONDUCTORS AND MAIN BONDING JUMPERS SHALL BE INSULATED COPPER, SIZED IN ACCORDANCE WITH NEC TABLE 250.66 UNLESS NOTED OTHERWISE.
2. THE INTERSYSTEM BONDING JUMPER SHALL BE INSULATED COPPER, SIZED TO MATCH THE GROUNDING ELECTRODE CONDUCTOR OR #6AWG, WHICHEVER IS GREATER.
3. ADDITIONAL GROUND RODS SHALL BE INSTALLED A MINIMUM OF SIX (6) FEET APART AND CONNECTED BY GROUNDING ELECTRODE CONDUCTORS UNTIL THE GROUND RESISTANCE DOES NOT EXCEED FIVE (5) OHMS.
4. ALL GROUNDING CONDUCTORS SHALL BE INSTALLED IN CONDUIT (TYPE PER SPECIFICATION REQUIREMENTS) UNLESS SPECIFICALLY NOTED OTHERWISE. METAL CONDUITS SHALL BE GROUNDED PER NEC REQUIREMENTS.
5. REFER TO "GROUNDING" SPECIFICATIONS SECTION FOR ADDITIONAL GROUNDING REQUIREMENTS.
6. THE CONTRACTOR MAY "DAISY-CHAIN" IDF'S TOGETHER WITH A #4/0G. THIS DETAIL IS NOT INTENDED TO REQUIRE A #4/0G FROM EACH IDF TO THE MDF. THE INTENT OF THIS DETAIL TO TO BOND TOGETHER THE SUPPLEMENTAL GROUND BUS IN THE MDF, ALL IDF'S, AND THE MAIN SERVICE GROUND WITH A #4/0G.
7. WHERE AN IDF IS LOCATED IN A SEPARATE BUILDING FROM THE MDF, THE IDF SHALL ALSO BE BONDED TO THE SERVICE GROUND FOR THE SEPARATE BUILDING CONTAINING THE IDF. THIS REQUIREMENT IS IN ADDITION TO THE BOND TO THE MDF.
8. THE EQUIPMENT WITHIN EACH MDF AND IDF SHALL BE BONDED TO THE SUPPLEMENTAL GROUND BUS IN ACCORDANCE WITH THE STRUCTURED CABLING SPECIFICATIONS, EQUIPMENT SUPPLIER'S DIRECTION AND CODE REQUIREMENTS.



COMMUNICATION OUTLET ELEVATION

COMMUNICATION JACK/CABLE LABELING SCHEME

DETAIL "E-CO" COMMUNICATION OUTLET

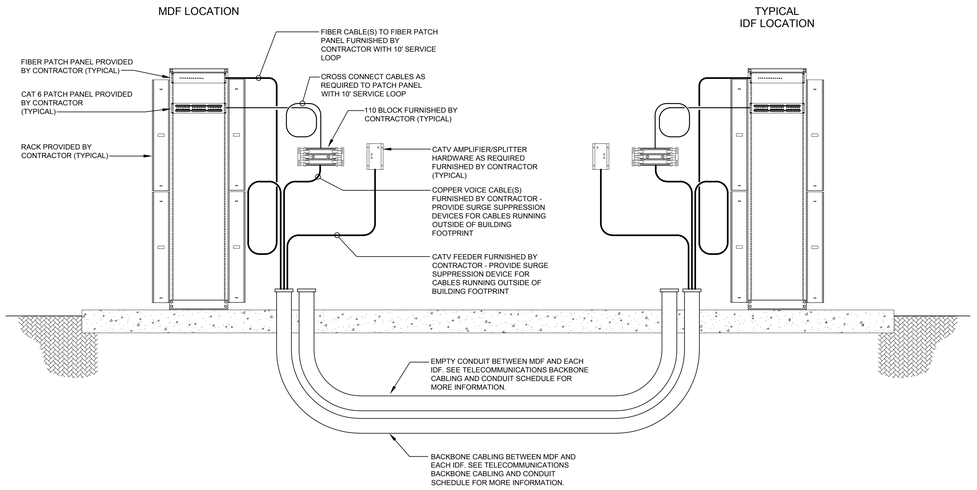
SCALE : NONE

COMMUNICATION OUTLET LEGEND

JACK ID(S) SHOWN ON PLANS	JACK TYPE(S)	ASSOCIATED HOMERUN CABLING FROM JACK (SEE NOTE 3 BELOW)	HOMERUN CABLING TO (UNLESS SHOWN OTHERWISE ON PLANS)	REMARKS
*C	"F" CONNECTOR TELEVISION JACK(S)	RG-6/U COAXIAL CABLE(S)	NEAREST CATV SYSTEM DIRECTIONAL COUPLER OR FRONT-END EQUIPMENT AS DIR. BY SUPPLIER	
*D	RJ45 DATA JACK(S)	CAT6 DATA CABLE(S).	NEAREST DATA PATCH PANEL	
*H	IF CABLE LENGTH < 35': PASSIVE HDMI JACK(S)	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	
1VW	ONE (1) RJ45 VOICE JACK - FOR WALL MOUNT PHONE	ONE (1) CAT6 VOICE CABLE.	NEAREST TELEPHONE PATCH PANEL/BACKBOARD	SEE NOTE 6 BELOW

NOTES:

1. THE ASTERISK "*" WITHIN THE JACK ID SECTION ABOVE REPRESENT THE QUANTITIES OF EACH JACK/CABLE TYPE. FOR EXAMPLE, "3D" REPRESENTS THREE (3) DATA JACKS/CABLES.
2. THE JACK IDENTIFIERS SHOWN ABOVE MAY BE COMBINED TOGETHER ON PLANS. FOR EXAMPLE, THE IDENTIFIER "1V2D1C" REPRESENTS ONE (1) VOICE JACK/CABLE, TWO (2) DATA JACKS/CABLES AND ONE (1) COAXIAL TV JACK/CABLE. OUTLETS MAY CONSIST OF ANY COMBINATION OF THE ABOVE JACK TYPES.
3. ALL LOW VOLTAGE CABLING SHALL BE PLENUM-RATED.
4. THE QUANTITY OF OUTLET BOX GANGS AND CONDUITS FOR EACH COMMUNICATION OUTLET ASSEMBLY SHALL BE AS FOLLOWS:
   - 1-2 JACKS: 1-GANG OUTLET BOX WITH 1-GANG FACEPLATE AND ONE 1" CONDUIT TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS).
   - 3-4 JACKS: 2-GANG OUTLET BOX WITH 1-GANG PLASTER RING, 1-GANG FACEPLATE AND ONE 1" CONDUIT TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS).
   - 5-8 JACKS: 2-GANG OUTLET BOX WITH 2-GANG FACEPLATE AND TWO 1" CONDUITS TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS).
   - 9-12 JACKS: 3-GANG OUTLET BOX WITH 3-GANG FACEPLATE AND THREE 1" CONDUITS TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS).
5. PROVIDE A NYLON BUSHING ON EACH END OF EACH CONDUIT (SPECIFIED WITHIN NOTE 4 ABOVE) TO PROTECT CABLES.
6. TYPE "1VW" OUTLETS SHALL BE FURNISHED WITH STAINLESS STEEL WALL-MOUNT TELEPHONE PLATES WITH MOUNTING STUDS AND RECESSED JACKS AND SHALL BE MOUNTED AT 48" A.F.F. UNLESS NOTED OTHERWISE.
7. COMMUNICATION OUTLET SHALL BE LOCATED A MAXIMUM OF 8 INCHES FROM THE ADJACENT POWER OUTLET.
8. ALL AV CABLING TYPES SHALL BE CONFIRMED WITH OWNER PRIOR TO ORDERING MATERIALS.
9. COORDINATE LOCATION OF ALL OUTLETS AT PROJECTOR WITHIN PROJECTOR BASE WHERE POSSIBLE.



DETAIL "E-SCB" STRUCTURED CABLING BACKBONE TYPICAL WIRING DIAGRAM

SCALE : NONE

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

ISSUE	DATE
BID SET	04.27.2026

DRAWN BY: SNJ
CHECKED BY: RCR

HOUSTON COUNTY DHR
PROJECT ADDRESS PENDING

GMC # ABHM250019
SBC # [ENTER VALUE]

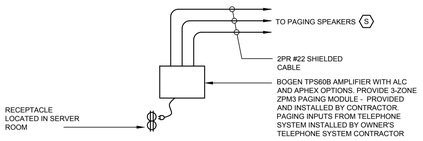
ALABAMA LICENSED PROFESSIONAL ENGINEER No. 24463 ROBERT C. RENFRO 4.27.26

ELECTRICAL DETAILS

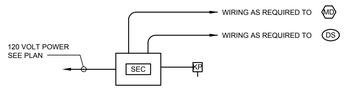
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JACKSON, RENFRO & ASSOCIATES, INC. ELECTRICAL ENGINEERING & DESIGN
141 VILLAGE STREET • SUITE 1 • BIRMINGHAM, ALABAMA • 35242
ROBERT RENFRO, PE
bobby@rjaec.com
(D) 205.536.7107
(P) 205.995.1078
JRA JOB NO. 23107

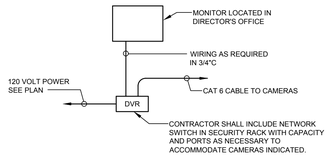
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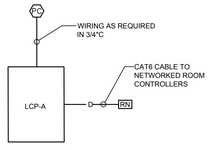
PAGING SYSTEM RISER DIAGRAM
SCALE : NONE



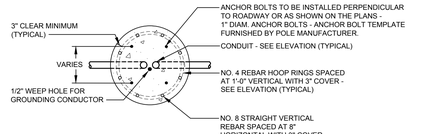
SECURITY SYSTEM RISER DIAGRAM
SCALE : NONE



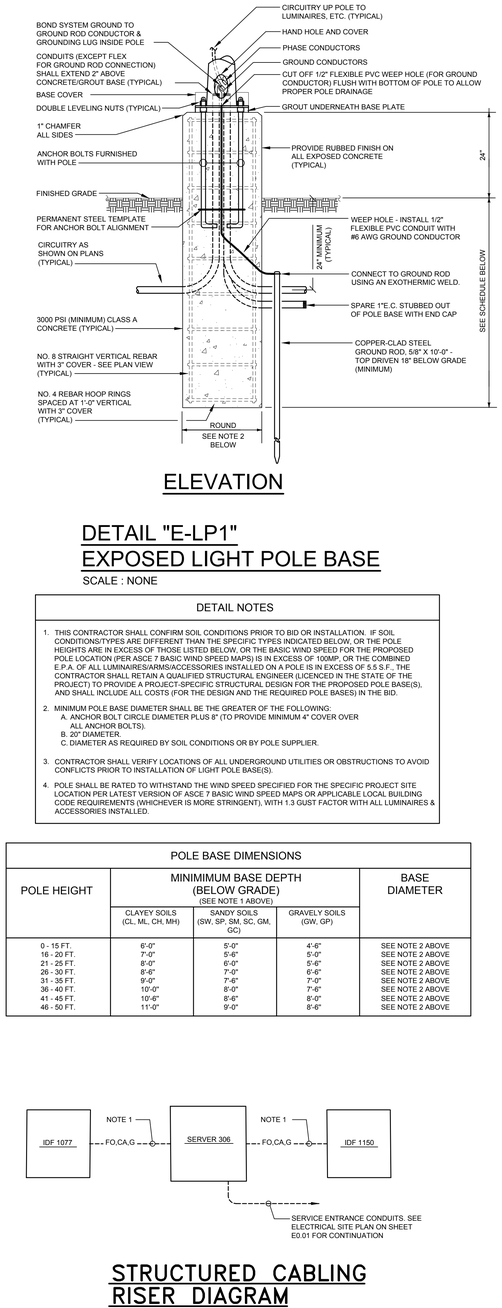
CCTV SYSTEM RISER DIAGRAM
SCALE : NONE



LIGHTING CONTROL PANEL RISER DIAGRAM
SCALE : NONE



PLAN VIEW



ELEVATION

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

DETAIL NOTES

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

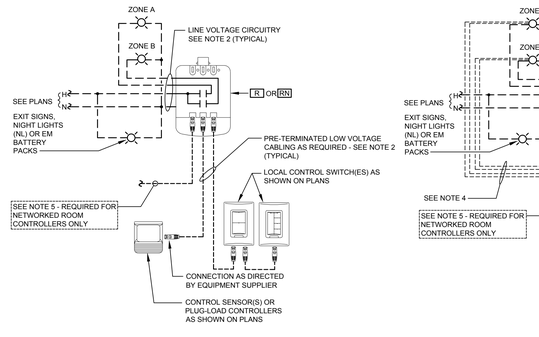
POLE BASE DIMENSIONS

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

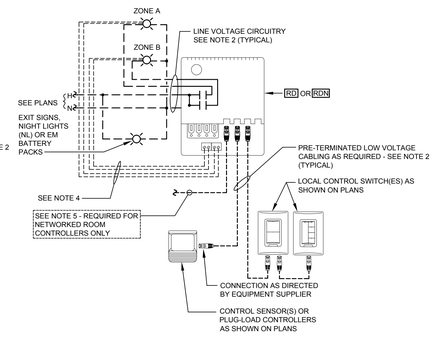
STRUCTURED CABLING RISER DIAGRAM
SCALE : NONE

STRUCTURED CABLING SYSTEM NOTES

1. 6-STRAND MULTI-MODE FIBER CABLE, CATV FEEDER CABLE, AND 18#4/0G IN 4" CONDUIT AND FOUR (4) SPARE 4" EMPTY CONDUIT. PROVIDE INNERDUCT IN BOTH CONDUITS.



SCHEME A: ON/OFF CONTROL

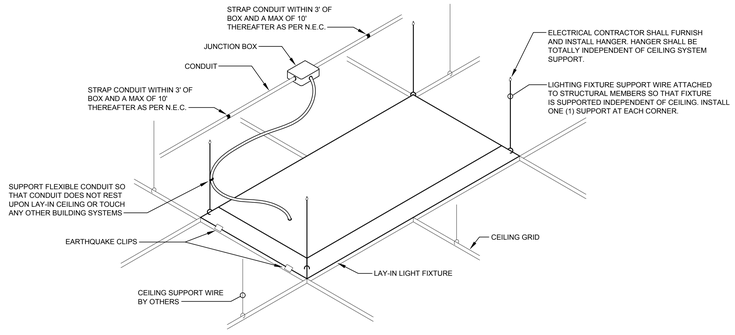


SCHEME B: DIMMING CONTROL

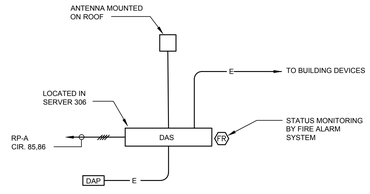
DETAIL "E-RC"
TYPICAL ROOM DIGITAL LIGHTING CONTROL WIRING DIAGRAM(S)
SCALE : NONE

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.



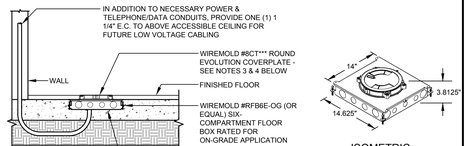
DETAIL "E-FS"
LAY-IN FIXTURE SUPPORT
SCALE : NONE



EMERGENCY RESPONDER RADIO SYSTEM RISER DIAGRAM
SCALE : NONE

EMERGENCY RESPONDER RADIO SYSTEM NOTES

1. THIS CONTRACTOR SHALL SURVEY BUILDING ONCE STRUCTURE IS COMPLETE AND IMMEDIATELY PRIOR TO CELINGS BEING INSTALLED TO DETERMINE RADIO COVERAGE IN ALL AREAS OF THE BUILDING. FURNISH REPORT TO THE ARCHITECT INDICATING SIGNAL AREAS AT ALL AREAS OF THE BUILDING(S). IF IT IS DETERMINED THAT AN EMERGENCY RADIO COVERAGE IS REQUIRED, IT WILL BE INSTALLED UNDER THE DAS SYSTEM ALLOWANCE OF THE SPECIFICATIONS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 275319 OF THE SPECIFICATIONS. SYSTEM SHALL INCLUDE A COMPLETE OPERATING SYSTEM CONSISTING OF NECESSARY AMPLIFIERS, FILTERS, SURGE SUPPRESSION, CABLING, ANTENNA, ETC.



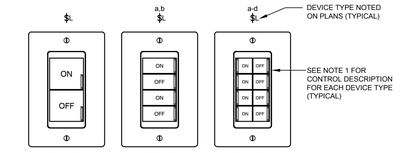
SECTION

ISOMETRIC

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

DETAIL NOTES

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



DETAIL "E-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.

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

ISSUE DATE
BID SET 04.27.2026

DRAWN BY: SNJ
CHECKED BY: RCR

HOUSTON COUNTY DHR
PROJECT ADDRESS PENDING

GMC # ABHM250019
SBC # [ENTER VALUE]

ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24463
4.27.26

ELECTRICAL DETAILS & RISER DIAGRAMS

E3.02
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JACKSON, RENFRO & ASSOCIATES, INC.
ELECTRICAL ENGINEERING & DESIGN
841 VILLAGE STREET • SUITE 1 • BIRMINGHAM, ALABAMA • 35242
ROBERT RENFRO, PE
bobby@jraaec.com
(D) 205.536.7107
(P) 205.995.1078
JRA JOB NO. 22590

11/5/2025 5:02:38 PM TEMPLATE VERSION: 2021.1

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	CATALOG NUMBER	VOLTAGE	LAMPS			MOUNTING HEIGHT	MOUNTING TYPE	REMARKS
				WATTS	LUMENS	TYPE			
A1	LITHONIA COLUMBIA DAY-BRITE	2ALL4 CTRF-30L-EZ1	277	25	3,000	LED 3500K	CEILING	RECESSED	
A1E	LITHONIA COLUMBIA DAY-BRITE	2ALL4 CTRF-30L-EZ1-EL	277	25	3,000	LED 3500K	CEILING	RECESSED	EM
A2	LITHONIA COLUMBIA DAY-BRITE	2ALL4 CTRF-40L-EZ1	277	32	4,000	LED 3500K	CEILING	RECESSED	
A2E	LITHONIA COLUMBIA DAY-BRITE	2ALL4 CTRF-40L-EZ1-EL	277	32	4,000	LED 3500K	CEILING	RECESSED	EM
A3	LITHONIA COLUMBIA DAY-BRITE	2ALL4 CTRF-48L-EZ1	277	40	4,800	LED 3500K	CEILING	RECESSED	
B1	LITHONIA COLUMBIA DAY-BRITE	2ALL2-20L-EZ1	277	18	2,000	LED 3500K	CEILING	RECESSED	
B1E	LITHONIA COLUMBIA DAY-BRITE	2ALL2-20L-EZ1	277	18	2,000	LED 3500K	CEILING	RECESSED	EM
B2	LITHONIA COLUMBIA DAY-BRITE	2ALL2-33L-EZ1	277	29	3,300	LED 3500K	CEILING	RECESSED	
B2E	LITHONIA COLUMBIA DAY-BRITE	2ALL2-33L-EZ1-EL	277	29	3,300	LED 3500K	CEILING	RECESSED	EM
CF	BIGASS FANS	HAIKU-L -OUTDOOR CEILING FAN WITH LIGHT PACKAGE	120	21	1,361	LED	AS DIRECTED BY ARCHITECT	PENDANT	FSA WET LOCATION
D	GOTHAM PRESCOLITE OMEGA	EVO4-35/15-AR-LSS-WD-MVOLT-EZ1	277	14	1,527	LED 3500K	CEILING	RECESSED	FSA
DE	GOTHAM PRESCOLITE OMEGA	EVO4-35/15-AR-LSS-WD-MVOLT-EZ1-EL	277	14	1,527	LED 3500K	CEILING	RECESSED	EM, FSA
D2	GOTHAM PRESCOLITE OMEGA	EVO4-40/15-AR-LSS-WD-MVOLT-EZ1	277	14	1,527	LED 4000K	CEILING	RECESSED	FSA
D2E	GOTHAM PRESCOLITE OMEGA	EVO4-40/15-AR-LSS-WD-MVOLT-EZ1-EL	277	14	1,527	LED 4000K	CEILING	RECESSED	EM, FSA
E	GOTHAM PRESCOLITE OMEGA	EVO4-35/07-AR-LSS-WD-EZ1	277	8	800	LED 3500K	CEILING	RECESSED	FSA
EE	GOTHAM PRESCOLITE OMEGA	EVO4-35/07-AR-LSS-WD-EZ1-EL	277	8	800	LED 3500K	CEILING	RECESSED	EM, FSA
ES	GOTHAM PRESCOLITE OMEGA	EVO4SH-35/20-DFR-SMO	277	20	1,684	LED 3500K	CEILING	RECESSED	NON-CONDUCTIVE
F2	LITHONIA COLUMBIA DAY-BRITE	WL2-22L	277	21	2,200	LED 3500K	CEILING	SURFACE	
F4	LITHONIA COLUMBIA DAY-BRITE	WL4-30L	277	29	3,000L	LED 3500K	CEILING	SURFACE	
F4E	LITHONIA COLUMBIA DAY-BRITE	WL4-30L-EL7L	277	29	3,000L	LED 3500K	CEILING	SURFACE	EM
G	INSIGHT LIGHTING	E5X-LO-**K-DL-EA-18"-48-DIM	277	17	1,610	LED 4000K	ABOVE BUILDING ENTRY SIGN	OUTLET BOX	FSA WET LOCATION
K	VISA LIGHTING	OW1307-L40K(L)-MVOLT	277	25	2,200	LED 4000K	AS DIRECTED BY ARCHITECT	OUTLET BOX	FSA
P	BROWNLEE LIGHTING	2600-48-**-H63-**-35K-DIM TO 1%	277	63	7,428	LED 3500K	AS DIRECTED BY ARCHITECT	PENDANT	FSA
SL	MARK ARCHITECTURAL LIGHTING	SL4L-LOP-*FT-RLP-TG-35K-600LMF-LENGTH AS INDICATED ON PLANS	277	6WIFT	644 L/FT	LED 3500K	CEILING	RECESSED	MOUNTED IN GRID
SL2	MARK ARCHITECTURAL LIGHTING	SL4L-LOP-*FT-RLP-FL-35K-600LMF-LENGTH AS INDICATED ON PLANS	277	6WIFT	644 L/FT	LED 3500K	CEILING	RECESSED	MOUNTED IN GYPSUM
T	BROWNLEE LIGHTING	5165-24-**-H16-35K	277	16	1,874	LED 3500K	ABOVE MIRROR	OUTLET BOX	FSA
UC	LED LINEAR	LUMINARIS - LD15 CONTOUR 5560 PROVIDE WITH TRANSFORMER	277	15	485 L/FT	LED 3500K	UNDER CABINET	OUTLET BOX	UC
W	LITHONIA COLUMBIA DAY-BRITE	WST-LED-P1-40K-VF	277	12	1,494	LED 4000K	AS DIRECTED BY ARCHITECT	OUTLET BOX	FSA
WE	LITHONIA COLUMBIA DAY-BRITE	WST-LED-P1-40K-VF-E7WH	277	12	1,494	LED 4000K	AS DIRECTED BY ARCHITECT	OUTLET BOX	EM, FSA
X1	LITHONIA COLUMBIA DAY-BRITE	EDG-1-GMR-EL	277	FURNISHED BY MANUFACTURER			CEILING OR ABOVE DOOR	OUTLET BOX	EMX, FSA
X2	LITHONIA COLUMBIA DAY-BRITE	EDG-2-GMR-EL	277	FURNISHED BY MANUFACTURER			CEILING OR ABOVE DOOR	OUTLET BOX	EMX, FSA
Y2	LITHONIA KIM	DSX1 LED-P3-40K-T2M-MVOLT-SPA-HS	277	102	13,605	LED 4000K	MOUNT ON 28 FOOT SQUARE STEEL POLE SEE DETAIL "E-LP1"		FSA
Y4	LITHONIA KIM	DSX1 LED-P3-40K-T4M-MVOLT-SPA-HS	277	102	13,968	LED 4000K	MOUNT ON 28 FOOT SQUARE STEEL POLE. SEE DETAIL "E-LP1"		FSA
Z	VISTA PROFESSIONAL LIGHTING	1045-XX-MF-40-B-MV-ND-HS	277	21	1,807	LED 4000K	GRADE	CONCRETE ANCHOR BASE	FSA
Z1	VISTA PROFESSIONAL LIGHTING	1045-XX-WF-40-A-MV-ND	277	16	1,163	LED 4000K	GRADE	CONCRETE ANCHOR BASE	FSA

LIGHTING FIXTURE SCHEDULE GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE ALL FIXTURE MOUNTING PROVISIONS WITH THE ASSOCIATED CEILING TYPE(S) PRIOR TO ORDERING FIXTURES.
2. ALL FIXTURES AND DRIVERS SHALL BE RATED FOR OPERATION IN AMBIENT TEMPERATURES UP TO 55 DEGREES CELSIUS.
3. TO ENSURE PROPER COORDINATION AND LONG TERM SUPPORT FOR THE OWNER, ALL LIGHTING FIXTURES SHALL BE PURCHASED THROUGH MANUFACTURER'S REPRESENTATIVES AND DISTRIBUTORS LOCATED WITHIN ONE-HUNDRED & FIFTY (150) MILES OF THE PROJECT SITE. SUBMITTALS RECEIVED THAT DO NOT COMPLY WITH THIS REQUIREMENT WILL BE REJECTED WITHOUT REVIEW. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DELAYS CAUSED BY NON-COMPLIANCE WITH THIS REQUIREMENT.

LIGHTING FIXTURE SCHEDULE KEYED NOTES:

EM EMERGENCY FIXTURE. PROVIDE EMERGENCY BATTERY PACK RATED FOR AT LEAST 500 LUMENS.
EMX EMERGENCY FIXTURE. PROVIDE EMERGENCY BATTERY PACK RATED FOR AT LEAST 90 MINUTES OF OPERATION.
FSA PROVIDE FINISH AS SELECTED BY ARCHITECT.
UC FURNISH THE GREATER QUANTITY OF ONE (1) TYPE "UC" FIXTURE PER CABINET SECTION OR ONE PER 24" OF LINEAR CABINET FOR LENGTH OF CABINET INDICATED ON PLANS. FIELD-COORDINATE EXACT LOCATIONS WITH CABINETRY TO COORDINATE WITH UNDERCABINET MOUNTING STRUCTURE AND TO PROVIDE UNIFORM UNDERCABINET LIGHTING LEVELS

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 - POLELIGHT - SINGLE FIXTURE.

OR 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.
DL INDICATES FIXTURE CONTROLLED BY DAYLIGHTING SENSOR.
EM EMERGENCY FIXTURE.
NL NIGHT LIGHT - DO NOT SWITCH.
PC INDICATES FIXTURE CONTROLLED BY PHOTO-CELL.
SL SECURITY LIGHT - DUSK-TO-DAWN OPERATION.

$ SWITCH OUTLET - S.P.S.T. - 20A - 120-277VAC.

$3 SWITCH OUTLET - 3 WAY - 20A - 120-277VAC.

$4 SWITCH OUTLET - 4 WAY - 20A - 120-277VAC.

$a SWITCH OUTLET - CONTROLS OUTLET "a", ETC.

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

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

$O SWITCH OUTLET - OCCUPANCY SENSOR WITH MANUAL OVERRIDE - S.P.S.T. - 120-277VAC - P.I.R. SENSOR - ACUITY N-LIGHT OR EQUAL - RATED 800W AT 120VAC AND 1200W AT 277VAC - GREY WITH STAINLESS STEEL COVERPLATE.

$L LIGHTING CONTROL SYSTEM - SWITCH OUTLET - LOW VOLTAGE - DIGITAL - BUTTONS AS REQUIRED FOR INDEPENDENT ON/OFF CONTROL OF EACH ZONE IN SPACE - CONNECT TO ASSOCIATED ROOM CONTROLLER PER DIAGRAM "E-RC".

$D LIGHTING CONTROL SYSTEM - SWITCH OUTLET - LOW VOLTAGE - DIGITAL - BUTTONS AS REQUIRED FOR INDEPENDENT DIMMING AND ON/OFF CONTROL OF EACH ZONE IN SPACE - CONNECT TO ASSOCIATED ROOM CONTROLLER PER DIAGRAM "E-RC".

$CF SWITCH OUTLET - FAN SPEED CONTROL ARCHITECTURAL PRESET DIMMER - 7.5A - 120VAC - S.P.S.T. - LEVITON RENOIR SERIES - DO NOT REMOVE HEAT-DISSIPATING FINS - VERIFY THAT LOAD DOES NOT EXCEED SWITCH RATING PRIOR TO ORDERING.

$DF SWITCH OUTLET - 0-10V ARCHITECTURAL PRESET SLIDER DIMMER - 120VAC - S.P.S.T. UNLESS INDICATED OTHERWISE - EXACT DIMMER TYPE TO BE COMPATIBLE WITH ASSOCIATED LOAD TO PROVIDE FLICKER-FREE DIMMING.

PC LV PHOTOELECTRIC CONTROL - LOW VOLTAGE - COMPATIBLE WITH LIGHTING CONTROL PANEL.

LIGHTING CONTROL PANEL.

R LIGHTING CONTROL SYSTEM - ROOM CONTROLLER - LOW VOLTAGE - ACUITY N-LIGHT OR EQUAL - MOUNT AS DIRECTED BY SUPPLIER ABOVE CEILING - PROVIDE WITH POWER PACK - MAKE ALL CONNECTIONS (LOW VOLTAGE AND LINE VOLTAGE) TO CONTROL LOCAL LIGHTING AS DIRECTED BY SUPPLIER - SEE DETAIL "E-RC".

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

RD LIGHTING CONTROL SYSTEM - DIMMING ROOM CONTROLLER - LOW VOLTAGE - ACUITY N-LIGHT OR EQUAL - MOUNT AS DIRECTED BY SUPPLIER ABOVE CEILING - PROVIDE WITH POWER PACK - MAKE ALL CONNECTIONS (LOW VOLTAGE AND LINE VOLTAGE) TO CONTROL LOCAL LIGHTING AS DIRECTED BY SUPPLIER - SEE DETAIL "E-RCD".

LIGHTING CONTROL SYSTEM - OCCUPANCY SENSOR - LOW VOLTAGE - DUAL TECHNOLOGY (P.I.R. AND ULTRASONIC) - EXACT SENSOR TYPE AND LOCATION SHALL BE CHOSEN BY LIGHTING CONTROL SYSTEM SUPPLIER FOR PROPER COVERAGE - MOUNT AS DIRECTED BY SUPPLIER - PROVIDE WITH POWER PACK(S) (LOCATED ABOVE CEILING IN ACCESSIBLE LOCATION) AS REQUIRED TO CONTROL ALL LOCAL LIGHTING - MAKE ALL CONNECTIONS (LOW VOLTAGE AND LINE VOLTAGE) TO CONTROL LOCAL LIGHTING AS DIRECTED BY SUPPLIER - SEE DETAIL "E-RC" - ACUITY N-LIGHT OR EQUAL.

OR OR LIGHTING CONTROL SYSTEM - DAYLIGHTING SENSOR - CEILING OR WALL MOUNTED AS INDICATED - EXACT MOUNTING PROVISIONS, SENSOR TYPE AND LOCATION SHALL BE AS DIRECTED BY SUPPLIER FOR PROPER COVERAGE - DIGITAL - DIMMING - WATTSTOPPER LMLS SERIES - CONNECT TO ASSOCIATED ROOM CONTROLLER SIMILAR TO DIAGRAM "E-RC".

WALL OUTLET - DUPLEX RECEPTACLE - 20A - 125V - 2P - 3W - GROUNDING - TAMPER RESISTANT - NEMA 5-20R.

WALL OUTLET - DUPLEX RECEPTACLE - 20A - 125V - 2P - 3W - GROUNDING - TAMPER RESISTANT - NEMA 5-20R - LOCATE ADJACENT TO A/V OUTLET.

WALL OUTLET - DOUBLE DUPLEX RECEPTACLE - 20A - 125V - 2P - 3W - GROUNDING - TAMPER RESISTANT - TWO (2) NEMA 5-20R - SINGLE PLATE.

WALL OUTLET - DUPLEX RECEPTACLE - 20A - 125V - 2P - 3W - GROUNDING - TAMPER RESISTANT - "GFI" TYPE - WEATHER RESISTANT - NEMA 5-20R.

WALL OUTLET - DOUBLE DUPLEX RECEPTACLE - 20A - 125V - 2P - 3W - GROUNDING - TAMPER RESISTANT - "GFI" TYPE - WEATHER RESISTANT - TWO (2) NEMA 5-20R - SINGLE PLATE.

WALL OUTLET - SINGLE RECEPTACLE - 30A - 125/250V - 1Ø - 3P - 4W - GROUNDING - NEMA 14-30R.

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

FB1 MULTISERVICE FLOOR BOX - SEE DETAIL "E-FB1" - "*V*D" REPRESENTS REQUIRED COMMUNICATIONS JACK CONFIGURATION - PROVIDE COMMUNICATIONS JACKS, CABLING ETC. PER COMMUNICATION OUTLET LEGEND AT "E-CO".

COMMUNICATIONS OUTLET - SEE DETAIL "E-CO" - "V*D REPRESENTS REQUIRED COMMUNICATIONS JACK CONFIGURATIONS.

WIRELESS ACCESS POINT - ABOVE CEILING - PROVIDE OUTLET BOX ABOVE ACCESSIBLE CEILING FOR OWNER-PROVIDED DATA SYSTEM WIRELESS ACCESS POINT - WITH ONE (1) DATA CABLE 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.

CONDUIT SLEEVE - SIZE AS INDICATED ON PLAN (2" MINIMUM) WITH NYLON BUSHING ON BOTH ENDS - SEAL FIRE BARRIER PENETRATIONS INSIDE OF SLEEVE IN ACCORDANCE WITH A U.L. LISTED ASSEMBLY.

CABLE TRAY - SEE SPECIFICATIONS.

TELEPHONE BACKBOARD - 8' H x 3/4" THICK x LENGTH AS SHOWN ON PLANS - 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 DESIGNATIONS (APPLY TO ALL OUTLETS, DEVICES & EQUIPMENT):

A ABOVE COUNTER - OUTLET SHALL BE MOUNTED 6 INCHES ABOVE DESK/COUNTERTOP, OR 4 INCHES ABOVE COUNTERTOP BACKSPLASH AS REQUIRED BY CONDITION, OR 48" A.F.F. OR AS NOTED.
C OUTLET MOUNTED FLUSH WITHIN CEILING - VERIFY EXACT LOCATIONS PRIOR TO ROUGH-IN.
CW INSTALL OUTLET WITHIN CASEWORK AND ROUTE CIRCUITRY (IN CONDUIT) WITHIN CASEWORK AS DIRECTED BY CASEWORK PROVIDER.
DF DRINKING FOUNTAIN OUTLET - EXACT MOUNTING HEIGHT AS DIRECTED BY EQUIPMENT SUPPLIER.
E EMERGENCY CIRCUIT - PROVIDE RED DEVICE - MAINTAIN SEPARATION BETWEEN NORMAL AND EMERGENCY CIRCUITRY (WITH SEPARATE CONDUITS AND METAL BARRIERS AS REQUIRED) PER NEC ARTICLE 700.9(B).
NL NIGHT LIGHT - DO NOT SWITCH.
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):

COP COPYING MACHINE OUTLET.
DF DRINKING FOUNTAIN OUTLET - EXACT MOUNTING HEIGHT AS DIRECTED BY EQUIPMENT SUPPLIER.
DR DRYER OUTLET - MOUNT AT 36" A.F.F. UNLESS DIRECTED OTHERWISE BY EQUIPMENT SUPPLIER.
DW BELOW COUNTER DISHWASHER OUTLET - VERIFY EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER.
GD GARBAGE DISPOSAL OUTLET - VERIFY EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER - PROVIDE TOGGLE-TYPE CONTROL SWITCH (IN CAST BOX) IN ACCESSIBLE LOCATION IN BASE CABINET BELOW SINK UNLESS SHOWN OTHERWISE.
HD VENTILATION HOOD OUTLET.
MW MICROWAVE (OR COMBINATION MICROWAVE/VENTILATION HOOD) OUTLET - VERIFY EXACT LOCATION WITH ARCHITECTURAL ELEVATION PRIOR TO ROUGH-IN.
RF REFRIGERATOR/FREEZER OUTLET - MOUNT AT 36" A.F.F. UNLESS DIRECTED OTHERWISE BY EQUIPMENT SUPPLIER.
TV TELEVISION OUTLET - MOUNTING HEIGHT AS DIRECTED BY ARCHITECT.
VD VENDING MACHINE OUTLET - MOUNT AT 36" A.F.F. UNLESS DIRECTED OTHERWISE BY EQUIPMENT SUPPLIER.
WM WASHING MACHINE OUTLET - MOUNT AT 36" A.F.F. UNLESS DIRECTED OTHERWISE BY EQUIPMENT SUPPLIER.

FLOOR OR SURFACE-MOUNTED OUTLET - JUNCTION BOX - CROUSE HINDS CAST 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 SHOWN OTHERWISE. 2 #12 & 1 #12G, 3 #12 & 1 #12G, ETC. UNLESS

BRANCH/FEEDER CIRCUIT - HOMERUN USED WITH OTHER WIRE SIZES. 2 #10 & 1 #10G, 3 #10 & 1 #10G, ETC. - MAY BE

FLEXIBLE CONNECTION TO EQUIPMENT.

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

DISTRIBUTION CENTER OR MOTOR CONTROL CENTER.

LIGHTING PANEL - SURFACE MOUNTED.

LIGHTING PANEL - FLUSH MOUNTED.

LIGHTING CONTROL PANEL.

T TRANSFORMER - POWER.

MAGNETIC MOTOR STARTER.

DISCONNECT SWITCH - NONFUSED.

DISCONNECT SWITCH - FUSED.

DISCONNECT SWITCH - FURNISHED BY MECHANICAL WITH EQUIPMENT.

ELEVATOR DISCONNECT SWITCH - FUSED - FURNISH WITH AUXILIARY CONTACTS FOR ELEVATOR CONTROL FUNCTIONS.

VFD VARIABLE FREQUENCY DRIVE - FURNISHED BY MECHANICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR.

HC HVAC CONTROL POWER - 120V-1Ø.

GROUND CONNECTION.

M MOTOR OUTLET - SIZE AS SHOWN.

S PAGING SYSTEM - SPEAKER - CEILING MOUNTED - BOGEN CSD2X2UCA 2X2 SPEAKER WITH BACK CAN - FURNISHED AND INSTALLED BY CONTRACTOR - PROVIDE 2-PR #22 SHIELDED SPEAKER CABLING AS DIRECTED BY TELEPHONE EQUIPMENT SUPPLIER FROM ALL SPEAKERS TO COMMUNICATION ROOM - VERIFY ALL REQUIREMENTS WITH TELEPHONE EQUIPMENT SUPPLIER.

M FAMILY VISITATION SOUND SYSTEM - CEILING MOUNTED MICROPHONE/SPEAKER - AIPHONE SP-20N SPEAKER WITH T-BAR SUPPORTS - CONNECTED TO AMPLIFIER WITH WIRING AS REQUIRED IN 3/4" CONDUIT.

AMP FAMILY VISITATION SOUND SYSTEM - INTERCOM STATION - AIPHONE LEM-1 MASTER STATION - MODIFY TO ADD HEADPHONE JACK - MODIFICATION SHALL BE DONE BY A LICENSED INSTALLER AND SHALL NOT VOID WARRANTY.

PS PROJECTION SCREEN - VERIFY EXACT REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN - INCLUDE ALL CONNECTIONS FOR POWER AND CONTROL..

CONTROL STATION - FURNISHED BY OTHERS - 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.

C CCTV SYSTEM - CAMERA.

W C CCTV SYSTEM - CAMERA - WEATHERPROOF.

DVR CCTV SYSTEM - DVR.

P PANIC BUTTON - 3/4" CONDUIT TO ABOVE LAY-IN CEILING WITH WIRING AS REQUIRED IN 3/4"C TO MASTER IN SERVER ROOM.

PL PANIC LIGHT - 8'-0" A.F.F. - 3/4" CONDUIT TO ABOVE LAY-IN CEILING WITH WIRING AS REQUIRED IN 3/4"C TO MASTER IN SERVER ROOM.

FAAP FIRE ALARM - ANNUNCIATOR PANEL- FLUSH MOUNTED - UNLESS NOTED OTHERWISE ON PLANS.

FACP FIRE ALARM - CONTROL PANEL.

FIRE ALARM - PULL STATION.

SM FIRE ALARM - SMOKE DETECTOR.

H FIRE ALARM - HEAT DETECTOR.

SMD 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.

QTY FIRE ALARM - SMOKE DETECTORS - DUCT MOUNTED - LOCATE DETECTORS (QUANTITIES AS REQUIRED) IN SUPPLY DUCT(S) AND RETURN DUCT(S) FOR INDICATED UNIT AS DIRECTED BY MECHANICAL PER CODE REQUIREMENTS - FURNISH RELAY COMPATIBLE WITH FIRE ALARM SYSTEM FOR FAN SHUT DOWN - FURNISH REMOTE TEST/ALARM INDICATOR STATION(S) LOCATED IN ACCESSIBLE, INCONSPICUOUS LOCATION AS APPROVED BY AUTHORITY HAVING JURISDICTION.

FIRE ALARM - VISUAL INDICATOR ONLY.

FIRE ALARM - COMBINATION HORN AND VISUAL INDICATOR - WALL MOUNTED.

FIRE ALARM - COMBINATION HORN AND VISUAL INDICATOR - CEILING MOUNTED.

FIRE ALARM - MAGNETIC DOOR HOLDER.

F BRANCH CIRCUIT - FIRE ALARM - WIRING AS REQUIRED IN N.E.C.-SIZED CONDUIT.

FS FIRE ALARM - FLOW SWITCH.

TS FIRE ALARM - TAMPER SWITCH.

FR FIRE ALARM - ADDRESSABLE CONTROL RELAY(S) FOR ELEVATOR, SMOKE CONTROL FUNCTIONS OR OTHER CONTROL FUNCTIONS.

DS SECURITY SYSTEM - DOOR CONTACT SWITCH.

MX SECURITY SYSTEM - MOTION DETECTOR.

SECURITY SYSTEM - KEYPAD.

SEC SECURITY SYSTEM - MASTER.

DAS EMERGENCY RESPONDER RADIO SYSTEM - MASTER EQUIPMENT - SEE RISER DIAGRAM.

DAP EMERGENCY RESPONDER RADIO SYSTEM - ANNUNCIATOR.

MX SECURITY SYSTEM - MOTION DETECTOR.

SECURITY SYSTEM - SIREN.

CN ACCESS CONTROL SYSTEM - CARD READER - 48" AFF - 3/4" CONDUIT TO ABOVE CEILING IN CORRIDOR - WITH WIRING AS REQUIRED TO MASTER IN SERVER ROOM.

CP CARD READER - POWER SUPPLY - 120V - 1Ø.

DC ACCESS CONTROL SYSTEM - WIRING AS REQUIRED IN 3/4" CONDUIT TO DOOR FRAME FOR DEVICES AS REQUIRED - COORDINATE WITH DOOR HARDWARE SUPPLIER FOR EXACT REQUIREMENTS.

A / E-1 DETAIL DESIGNATOR - "A" INDICATED DETAIL MARK - "E-1" INDICATED SHEET NUMBER WHERE DETAIL IS LOCATED (TYPICAL).

ELECTRICAL ABBREVIATIONS:

C CONDUIT.
E.C. EMPTY CONDUIT.
FPN FUSE PER NAMEPLATE.
G GROUND CONDUCTOR.

GENERAL ELECTRICAL NOTES

1. CONTRACTOR SHALL VERIFY ALL REQUIREMENTS FOR TELEPHONE AND POWER SERVICES WITH RESPECTIVE UTILITY COMPANIES 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 UTILITY COMPANIES FOR SERVICES 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. 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.
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 REVIEW ARCHITECTURAL CASEWORK ELEVATIONS AND CASEWORK SHOP DRAWINGS PRIOR TO ROUGHING IN OUTLETS AT CASEWORK. ADJUST OUTLET LOCATIONS AS REQUIRED TO ACCOMODATE ACTUAL CASEWORK DESIGN.
5. THIS CONTRACTOR SHALL PROVIDE A COMPLETE U.L. CERTIFIED LIGHTNING PROTECTION SYSTEM IN ACCODANCE WITH SPECIFICATIONS SECTION 264100. PROVIDE A COMPLETE SET OF INSTALLTION DRAWINGS AND DETAILS WITH SHOP DRAWING SUBMITTALS. CONTRACTOR SHALL NOT BEGIN WORK UNTIL SHOP DRAWINGS HAVE BEEN APPROVED. COORDINATE WITH GENERAL CONTRACTOR REGARDING ALL CONDUIT PENETRATIONS, DOWNLEAD LOCATIONS, ETC. ALL DOWNLEADS SHALL BE ROUTED CONCEALED AND IN CONDUIT. REFER TO SPECIFICATION SECTION 264100 FOR ADDITIONAL INFORMATION.

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

ISSUE DATE
BID SET 04.27.2026

DRAWN BY: SNJ
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HOUSTON COUNTY DHR
PROJECT ADDRESS PENDING

GMC # ABHM250019
SBC # [ENTER VALUE]

ALABAMA LICENSED No. 24463 PROFESSIONAL ENGINEER ROBERT C. RENFRO 4.27.26

LEGEND, NOTES & SCHEDULES

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JACKSON, RENFRO & ASSOCIATES, INC. ELECTRICAL ENGINEERING & DESIGN
141 VILLAGE STREET • SUITE 1 • BIRMINGHAM, ALABAMA • 35242
ROBERT RENFRO, PE
bobby@jrae.com
(D) 205.536.7107
(F) 205.995.1078
JRA JOB NO. 225192

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