VICINITY MAP



TRUE NORTH

LOCATION MAP



TRUE NORTH

ISSUE FOR BID

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)

DAUPHIN ISLAND SEA LAB
101 BIENVILLE BLVD, DAUPHIN ISLAND, AL 36528

GOODWYN MILLS CAWOOD, LLC	ARCHITECTURE, INTERIORS, CIVIL, LANDSCAPE
DELL CONSULTING, LLC	MECHANICAL & PLUMBING ENGINEERING
DELL CONSULTING, LLC	ELECTRICAL ENGINEERING

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ISSUE
ISSUE FOR BID
DATE 07/29/2026

DRAWN BY: KB
CHECKED BY: VR

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA
VIRGINIA BROOKE RODRIGUEZ
07/29/2026
7170
REGISTERED ARCHITECT

TITLE SHEET

G0.01

TEMPLATE VERSION: 2022.1

GENERAL NOTES

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

A DIVISION 1 - GENERAL REQUIREMENTS

1.01. **COMPLETE CONTRACT DOCUMENTS:** COMPLETE DRAWINGS, SPECIFICATIONS, ADDENDA, AND CLARIFICATIONS ISSUED BY FIELD ORDER OR SIMILAR INSTRUMENTS CONSTITUTE THE CONTRACT DOCUMENTS AND SHALL REMAIN INTACT. GENERAL CONTRACTOR IS FULLY RESPONSIBLE FOR COMPLIANCE WITH THE REQUIREMENTS INCLUDED, OR REASONABLY INFERRED THEREIN. CONSTRUCTION MANAGER OR GENERAL CONTRACTOR (AS APPLICABLE) MUST NOT ISSUE PARTIAL SETS OR OTHERWISE CAUSE INCOMPLETE CONTRACT INFORMATION TO BE PROVIDED TO PARTIES TO THE CONTRACT, INCLUDING ASSOCIATED SUB-CONTRACTORS, OR SUB-SUB-CONTRACTORS.

1.02. **MULTI-TRADE COORDINATION:** ALL WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES TO AVOID INTERFERENCES AND CONFLICTS. NO ALLOWANCES WILL BE MADE FOR CONTRACTOR'S FAILURE TO COORDINATE BETWEEN MULTIPLE DISCIPLINES, SYSTEMS OR EQUIPMENT. UNCOORDINATED WORK THAT RESULTS IN THE INEFFICIENT USE OF AVAILABLE SPACE AND/OR ENCROACHES ON THE WORK OF OTHER TRADES WILL BE SUBJECT TO REJECTION AND RE-INSTALLATION.

1.03. **VERIFICATION:** GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, CONSTRUCTION, MATERIALS, METHODS OF CONSTRUCTION, GRADES AND ELEVATIONS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR CONFLICTS WITHIN THE DOCUMENTS PRIOR TO BID, CONSTRUCTION, AND/OR INSTALLATION OF ASSOCIATED WORK. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE THAT THE EXISTING CONDITIONS ARE CONSISTENT WITH THOSE OF THE CONTRACT DOCUMENTS. ANY CHANGE ORDER REQUEST ASSOCIATED WITH AN IDENTIFIABLE EXISTING CONDITION, WHETHER IN CONFLICT OR COMPLIANCE WITH THE CONTRACT DOCUMENTS, WILL NOT BE ACCEPTED. THIS PROVISION SHALL NOT APPLY TO WORK PERFORMED UNDER UNIT PRICE OR ALLOWANCE FEE STRUCTURES.

1.04. **DISCREPANCIES:** GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT PROMPTLY UPON IDENTIFICATION OF ANY DISCREPANCIES OR CONFLICTS IN THE CONTRACT DOCUMENTS, WITH THE OBJECTIVE OF RESOLVING THE CONFLICT OR DISCREPANCY IN A TIMELY MANNER AND PRIOR TO ANY IMPACT TO CONTRACT TIME OR CONTRACT COST. GENERAL CONTRACTOR SHALL INCLUDE THE MORE EXPENSIVE, COMPLEX, AND TIME CONSUMING COMPONENTS OF ANY DISCREPANCIES IN THE BASE BID PRICE. FAILURE TO NOTIFY THE ARCHITECT PROMPTLY OF A KNOWN DISCREPANCY CONSTITUTES ACCEPTANCE OF FULL RESPONSIBILITY FOR THE ASSOCIATED COST AND SCHEDULE IMPACT.

1.05. **DRAWING SCALE:** REPROGRAPHIC TECHNIQUES MAY RENDER DRAWINGS DIFFERENTLY THAN THE INTENDED PRINTED SCALE. THEREFORE, DO NOT RELY UPON THE SCALE OF ANY PRINTED DRAWINGS. CONTACT THE ARCHITECT FOR REQUIRED DIMENSIONS THAT ARE NOT PROVIDED CLEARLY IN NUMERIC FORM HEREIN. FAILURE TO REQUEST CRITICAL DIMENSIONAL INFORMATION FROM THE ARCHITECT MAY RESULT IN THE REJECTION OF INSTALLED WORK.

1.06. **DIMENSIONAL STANDARDS:** STANDARD DIMENSION CONVENTIONS UTILIZED HEREIN CALL FOR DIMENSIONS TO FACE OF STUD (MASONRY) OF FINISHED PARTITION, FACE OF FINISH, OR CENTERLINE OF COLUMN LINE OR OTHER REFERENCE LINE, UNLESS OTHERWISE NOTED OR GRAPHICALLY ILLUSTRATED. DIMENSIONS NOTED AS "CLEAR", "MIN", OR "MAX" SHALL BE STRICTLY ENFORCED.

1.07. {PM SOFTWARE}

1.08. **PERMITTING:** THE GENERAL CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY AND REQUIRED PERMITS AND APPROVALS FROM JURISDICTIONAL AUTHORITIES, PRIOR TO COMMENCING THE WORK. THIS REQUIREMENT SHALL APPLY TO ON-SITE AND OFF-SITE WORK REQUIRED BY THE CONTRACT DOCUMENTS.

1.09. **CODE COMPLIANCE:** THE WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH ALL APPLICABLE LAWS, CODES, AND ORDINANCE. THE GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL PERFORM THEIR WORK IN COMPLIANCE WITH ALL APPLICABLE BUILDING CODES, LAWS, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL CAREFULLY READ AND FAMILIARIZE THEMSELVES WITH THE CODE COMPLIANCE DATA INCLUDED IN THE DRAWINGS AND SPECIFICATIONS.

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

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

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

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

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

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

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

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

B DIVISION 2 - EXISTING CONDITIONS

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

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

C DIVISION 3 - CONCRETE

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

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

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

3.04. **FLOOR LOADING DURING CONSTRUCTION:** NO LOADS EXCEEDING THE SPECIFIED FLOOR LIVE LOAD INCLUDING CONSTRUCTION EQUIPMENT OR LIFTS SHALL BE PLACED ON THE ELEVATED SLABS WITHOUT REVIEW AND APPROVAL OF THE STRUCTURAL ENGINEER. ANY REQUESTS SHALL BE MADE IN WRITING BY THE GENERAL CONTRACTOR INCLUDING CUT SHEETS AND PROPOSED LOADING CRITERIA. DO NOT PROCEED UNTIL WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER HAS BEEN PROVIDED.

E DIVISION 5 - METALS

5.01. **EMBEDDED STEEL:** ALL MISCELLANEOUS STEEL ITEMS INCLUDING STEEL EDGE ANGLES, EMBEDDED PLATE, AND SIMILAR WORK SHALL BE HOT-DIPPED GALVANIZED. THIS PROVISION DOES NOT APPLY TO REINFORCING STEEL, WHICH SHALL COMPLY WITH SPECIFICATION DIVISION 033000.

F DIVISION 6 - WOOD,PLASTICS & COMPOSITES

6.01. **WOOD IN CONTACT WITH CONCRETE/ MASONRY:** ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY CONSTRUCTION SHALL BE PRESSURE TREATED (PT) UNLESS OTHERWISE NOTED TO BE FIRE RETARDANT TREATED (FRT).

6.02. **FIELD VERIFICATION:** THE CASEWORK OR MILLWORK CONTRACTOR SHALL OBTAIN AND VERIFY ALL FIELD MEASUREMENTS AND CONDITIONS AFFECTING HIS WORK AND SHALL BE RESPONSIBLE FOR ALL DETAILS AND DIMENSIONS ASSURING PRECISION AND PROPER ASSEMBLY OF HIS PRODUCTS.

6.03. **MILLWORK BASE:** PROVIDE FINISHED BASE TO MATCH MATERIAL AND FINISH OF ADJACENT SCHEDULED WALL BASE, AT TOE-KICK AT ALL EXPOSED FRONT, SIDE, AND REAR FACES OF MILLWORK OR CASEWORK.

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

G DIVISION 7 - THERMAL & MOISTURE PROTECTION

7.01. **GENERAL SEALANTS:** CONTINUOUSLY SEAL PERIMETER OF ALL DOOR AND WINDOW FRAMES, MILLWORK AND CASEWORK, TRIM, CABINETS, AND SIMILAR FIXED CONSTRUCTION WITH PAINTABLE, SILICONIZED LATEX SEALANT. ALL VERTICAL SURFACE CONTROL AND EXPANSION JOINTS AT MASONRY WALLS SHALL BE CONTINUOUSLY SEALED, BOTH SIDES OF JOINT.

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

7.03. **WALK-PADS:** FURNISH AND INSTALL COMPATIBLE ROOF WALK-PADS AT ALL MEMBRANE ROOF SURFACES THAT ARE TRAVELED TO ACCESS SERVICEABLE ROOFTOP EQUIPMENT SUCH AS HVAC UNITS, FANS, ELECTRICAL EQUIPMENT, AND SIMILAR EQUIPMENT REQUIRING SERVICE ACCESS.

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

H DIVISION 8 - OPENINGS

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

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

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

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

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

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

I DIVISION 9 - FINISHES

9.01. **INDOOR ENVIRONMENTAL CONDITIONS:** NO INTERIOR SOFT CONSTRUCTION (IE. DRYWALL, CEILINGS, CARPET, MILLWORK, OR SIMILAR WORK THAT IS SUBJECT TO TEMPERATURE AND HUMIDITY INSTABILITY) SHALL COMMENCE, NOR SHALL MATERIALS BE STORED ON SITE, UNTIL STABLE INTERIOR ENVIRONMENTAL CONDITIONS ACCEPTABLE TO THE PRODUCT MANUFACTURER ARE PROVIDED AND IN PLACE FOR A DURATION SUFFICIENT TO ESTABLISH CONSISTENT AND ACCEPTABLE INDOOR TEMPERATURE AND HUMIDITY LEVELS. FAILURE TO PROVIDE AN INDOOR ENVIRONMENT IN STRICT COMPLIANCE WITH THE PRODUCT MANUFACTURERS PRINTED REQUIREMENTS WILL SUBJECT THE INSTALLING CONTRACTOR TO FULL RESPONSIBILITY FOR ANY COSTS ASSOCIATED WITH RE-WORK DUE TO MOLD OR MILDEW GROWTH , WARPING, CUPPING, DE-LAMINATION, OR SIMILAR DETERIORATION OF THE STORED OR INSTALLED CONSTRUCTION.

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

9.03. **FLOOR FINISH TRANSITIONS:** UNLESS OTHERWISE INDICATED, TRANSITION FLOOR FINISHES AT CENTERLINE OF DOOR IN CLOSED LOCATION. TRANSITION FLOOR MATERIAL UNDER CENTER OF DOORS & WHERE NOTED. PROVIDE SCHEDULED TRANSITION MATERIALS AT CHANGES IN FLOOR MATERIAL TYPE.

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

9.05. **EQUIPMENT ACCESS DOORS:** THE GENERAL CONTRACTOR SHALL PROVIDE PROPOSED LOCATION OF CEILING ACCESS DOORS TO THE ARCHITECT FOR APPROVAL. ACCESS DOORS SHALL BE PAINTED TO MATCH ADJACENT FINISH.

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

9.07. **PARTITION COORDINATION WITH OTHER TRADES:**
(A) COORDINATE BETWEEN TRADES BEFORE FRAMING PARTITIONS. PARTITION FRAMING SHALL BE LAID OUT SO AS TO PERMIT THE INSTALLATION OF PIPING, CONDUITS, AND DUCTWORK WITH A MINIMUM OF CUTTING BY OTHER TRADES.
(B) EXCEPT FOR PIPING LOCATED IN EQUIPMENT ROOMS, ALL PIPING INSIDE THE BUILDING SHALL BE CONCEALED WITHIN PARTITIONS AND FURRED SPACES. WHERE IT OCCURS THAT PIPING CANNOT BE EASILY CONCEALED, NOTIFY THE ARCHITECT IN WRITING FOR CLARIFICATION. IN ANY CASE, SUCH PIPING SHALL BE CONCEALED AT NO ADDITIONAL COST.
(C) COORDINATE WITH OTHER TRADES AND OWNERS' SCHEDULED EQUIPMENT VENDORS FOR SUPPORT REQUIREMENTS OF WALL- MOUNTED AND SUSPENDED ITEMS. SIZE STUD GAUGE AND SPACING MUST BE ABLE TO SUPPORT ANY ADDITIONAL LOADS IMPOSED BY THESE ITEMS. MAX. DEFLECTION L/360 @ 5 PSF HORIZ. LOAD.
(D) PROVIDE AND INSTALL ALL BLOCKING, STIFFENERS, BRACES, BACK-UP PLATES, AND SUPPORTING BRACKETS AS REQUIRED FOR THE INSTALLATION OF WALL-MOUNTED OR SUSPENDED MECHANICAL ELECTRICAL, CASEWORK, MILLWORK AND ANY OTHER MISCELLANEOUS EQUIPMENT OR WALL-MOUNTED ACCESSORIES.
(E) ANY ADDITIONAL WORK OR, RE-WORK, AS A RESULT OF A FAILURE TO COMPLY WITH THESE REQUIREMENTS WILL NOT BE GIVEN CONSIDERATION FOR CHANGE ORDER.

9.08 **FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIER IDENTIFICATION**
(A) FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIERS SHALL BE PERMANENTLY LABELED IN RED STENCILED LETTERING ABOVE FINISHED CEILING AT 1'-0" ABOVE CEILING.
   1. EACH NEW FIRE WALL, FIRE BARRIER, FIRE PARTITION, SMOKE BARRIER, SMOKE PARTITION, OR ANY OTHER NEW WALL REQUIRED TO HAVE PROTECTED OPENINGS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING ABOVE ANY DECORATIVE CEILING AND IN CONCEALED SPACES WITH THE WORDING, "FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS", OR SIMILAR LANGUAGE. SUCH SIGNS OR STENCILING SHALL BE IN 4 INCH HIGH LETTERS, 1/2 INCH STROKE, AND NOT MORE THAN 15 FEET ON-CENTER.
(B) UNLESS OTHERWISE REQUIRED OTHERWISE BY LOCAL JURISDICTION IDENTIFY RATED PARTITIONS AND WALLS AS FOLLOWS (G.C. MUST CONFIRM VERBIAGE WITH LOCAL AHJ) :
   1-HOUR FIRE BARRIER - PROTECT ALL OPENINGS
   1-HOUR FIRE & SMOKE BARRIER - PROTECT ALL OPENINGS
   2-HOUR FIRE BARRIER - PROTECT ALL OPENINGS
   2-HOUR FIRE & SMOKE BARRIER - PROTECT ALL OPENINGS

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 SIGNAGE PACKAGE.
(B) ROLLER WINDOW SHADE 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".

L DIVISION 12 - FURNISHINGS

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

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

O DIVISION 21 - FIRE SUPPRESSION

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

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

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

P DIVISION 22 - PLUMBING

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

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

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

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

Q DIVISION 23 - HVAC

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

R DIVISION 26 - ELECTRICAL

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

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

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

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

TEMPLATE VERSION: 2022.1

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ISSUE | DATE
ISSUE FOR BID | 07/29/2026

DRAWN BY: KB
CHECKED BY: VR

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
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DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA
VIRGINIA BROOKE RODRIGUEZ
07/29/2026
7170
REGISTERED ARCHITECT

GENERAL NOTES

G0.10

ABBREVIATIONS

ACC	ACCESSIBLE
ACT	ACOUSTICAL CEILING TILE
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
ALT.	ALTERNATE
AL /ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECT (URAL)
ADJ.	ADJACENT
ADJ.	ADJUSTABLE
B/B	BACK-TO-BACK
BC	BASE OF CURB
BD	BOARD
BFS	BEDPAN FLUSHING SINK
BLDG	BUILDING
BLKG	BLOCKING
BM.	BENCHMARK
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BOW	BOTTOM OF WALL
B/W	BETWEEN
CAB	CABINET
C/C	CENTER TO CENTER
CCU	CRITICAL CARE UNIT
CF	CUBIC FOOT
CF	COLD-FORMED
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CLN	CLEAN UTILITY ROOM
CI	CAST IRON
CJ	CONSTRUCTION OR CONTROL JOINT
CLG	CEILING
CLOS	CLOSET
CLR	CLEAR (ANCE)
CMU	CONCRETE MASONRY UNIT
CO.	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS OR CONTINUE
COORD	COORDINATE
CPT	CARPET (ED)
CSS	CENTRAL STERILE SUPPLY
CT	CERAMIC TILE
CT	COMPUTED TOMOGRAPHY
CW.	CURTAIN WALL
DBL	DOUBLE
DEMO	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
ED	EMERGENCY DEPARTMENT
EF	EACH FACE
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEV	ELEVATOR
ELEC	ELECTRIC, ELECTRICAL
ENGR	ENGINEER
EOP	EDGE OF PAVEMENT
EOS	EDGE OF SLAB
EQ	EQUAL
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EX /EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
EVS	ENVIRONMENTAL SERVICES
FA	FIRE ALARM
FBO	FURNISHED BY OTHERS
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
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
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 CONTITIONING
HW	HARDWARE
HWS	HAND WASH STATION
ICU	INTENSIVE CARE UNIT
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IJ	ISOLATION JOINT
IN	INCH / INCHES
INSUL	INSULATION
IR	INTERVENTIONAL RADIOLOGY
JAN	JANITOR'S CLOSET
JG	JOIST GIRDER
JT	JOINT
K	THOUSAND
KIP	1 000 #
KJ	KEY JOINT
KSI	1 000 # PER SQ IN
LAB	LABORATORY
LAM	LAMINATE (D)
LAV	LAVATORY
LF	LINEAR FOOT
L	LENGTH, ANGLE
LAB	LABORATORY
LAV	LAVATORY
LD	LEAD-LINED DOOR
LDR	LABOR DELIVERY RECOVERY
LDRP	LABOR DELIVERY RECOVERY POSTPARTUM
LH	LEFT HAND
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LT GA	LIGHT GAUGE
LT	LIGHT
LW	LEAD-LINED WINDOW
MATL	MATERIAL
MAX	MAXIMUM
MC	MISCELLANEOUS CHANNEL
MECH	MECHANICAL
MEZZ	MEZZANINE
MANUF	MANUFACTURE (R)
MH	MANHOLE
MIN.	MINIMUM
MO	MASONRY OPENING
MRI	MAGNETIC RESONANCE IMAGING
MULL	MULLION
NIC	NOT IN CONTRACT
NICU	NEONATAL INTENSIVE CARE UNIT
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
OR	OPERATING ROOM
PACU	POST-ANESTHESIA CARE UNIT
PET	POSITRON EMISSION TOMOGRAPHY
PJ	PRECAST JOINT
PL	PROPERTY LINE, PLATE
PLAM	PLASTIC LAMINATE
PNT.	PAINT (ED)
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PREMFG	PREMANUFACTURED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT
PT	PRESSURE TREATED
PT	PHYSICAL THERAPY
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PLWD	PLYWOOD
QT	QUARRY TILE
RA	RETURN AIR
RAD	RADIUS
RAD	RADIOLOGY
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCEMENT BAR
REF.	REFRIGERATOR
REF.	REFERENCE
REINF	REINFORCE (D), (ING)
REQD	REQUIRED
RET.	RETAINING
REV.	REVISION, REVISED
RF	RESINOUS FLOORING
RF	RADIO FREQUENCY (SHIELDING)
RH	RIGHT HAND
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
SOILED	SOILED HOLD, SOILED UTILITY
SPD	STERILE PROCESSING DEPARTMENT
SPEC	SPECIFICATION (S)
SQ	SQUARE
SS	SOLID SURFACE
SSTL	STAINLESS STEEL
SSU	SCRUB SINK UNIT
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SY	SQUARE YARD
TELE	TELEPHONE
TERM	TERMINATION
T&G	TONGUE AND GROOVE
TH /THK	THICK (NESS)
TLT	TOILET
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
VAC	MEDICAL VACUUM
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VWC	VINYL WALL COVERING
W	WASHER / WIDTH / WIDE FLANGE
WAGD	WASTE ANESTHESIA GAS DISPOSAL
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WH	WATER HEATER
WIN	WINDOW
WP	WORK POINT
WP	WALL PROTECTION
WP	WATERPROOFING
WT	WEIGHT
WW	WALL TO WALL
WWF	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT

ANNOTATION SYMBOLS & TAGS

ROOM NAME
101
ROOM REFERENCE TAG

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

CONSECUTIVE LETTERS ARE USED FOR COLUMN LINES RUNNING EAST & WEST

FACE OF MASONRY OR FACE OF GIRDER

677.52
ELEVATION TAG: 677.52 - ELEVATION (FT)

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

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

FF&E: BY OTHERS

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

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

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

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

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

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

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

TA01
SPECIALTY EQUIPMENT TAG: SEE SPECIALTY EQUIPMENT SCHEDULE

G1
PLAN KEYNOTE TAG: KEYNOTE NUMBER SEE PLAN KEYNOTE SCHEDULE

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

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

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

CDS#
HEIGHT # # DEPTH #
WIDTH #
CASEWORK TAG

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

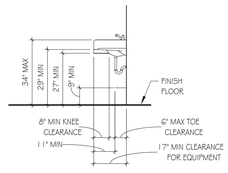
INTERIOR FINISH TAG

PLAN NORTH
NORTH ARROW: ARCHITECTURAL PLAN ORIENTATION

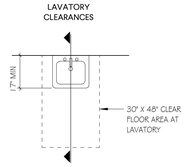
TRUE NORTH
NORTH ARROW: CIVIL ORIENTATION

ACCESSIBLE PLUMBING LAYOUTS - ADAAG / ANSI

ACCESSIBLE LAVATORIES



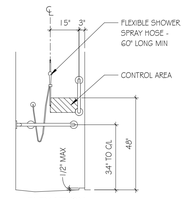
SECTION
LAVATORY CLEARANCES



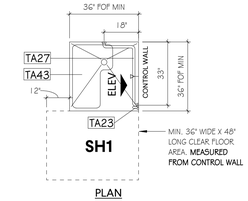
PLAN

ACCESSIBLE LAVATORY
FRONT APPROACH

ACCESSIBLE SHOWER STALL LAYOUTS

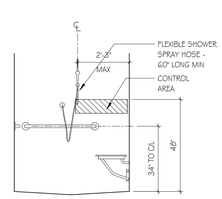


ELEVATION

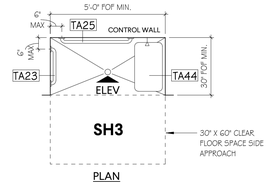


PLAN

TRANSFER SHOWER STALL
PLAN DESIGNATION **SH1**



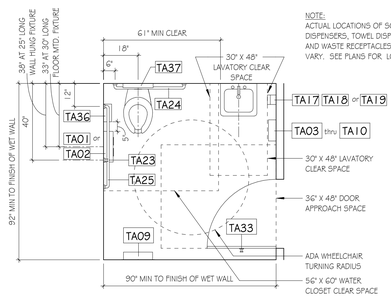
ELEVATION



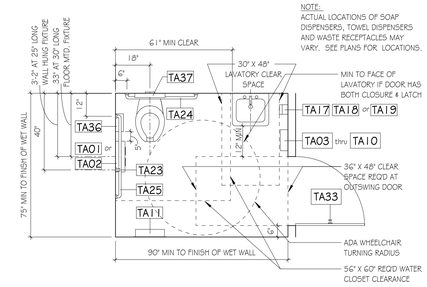
PLAN

ROLL-IN SHOWER STALL - W/ SHOWER SEAT
PLAN DESIGNATION **SH3**

ACCESSIBLE TOILET ROOM LAYOUTS

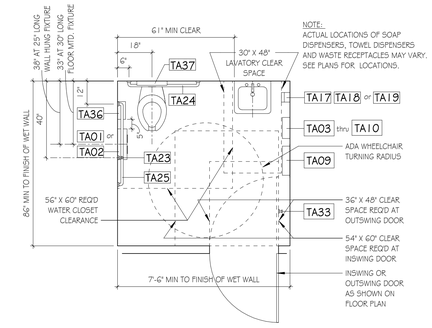


ACCESSIBLE TOILET ROOM TYPE 3
INSWING DOOR ON SIDE WALL



ACCESSIBLE TOILET ROOM TYPE 2
OUTSWING DOOR ON SIDE WALL

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



ACCESSIBLE TOILET ROOM TYPE 1
INSWING OR OUTSWING DOOR ON FRONT WALL

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ISSUE	DATE
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DRAWN BY: KB
CHECKED BY: VR, JW

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA
VIRGINIA BROOKE RODNEY-GRIFFIN
REGISTERED ARCHITECT
07/29/2026
7170

GENERAL INFORMATION & ACCESSIBLE PLUMBING LAYOUTS

G0.20

TEMPLATE VERSION: 2022.1

ACCESSIBLE ELEMENTS NOTES

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

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

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

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

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

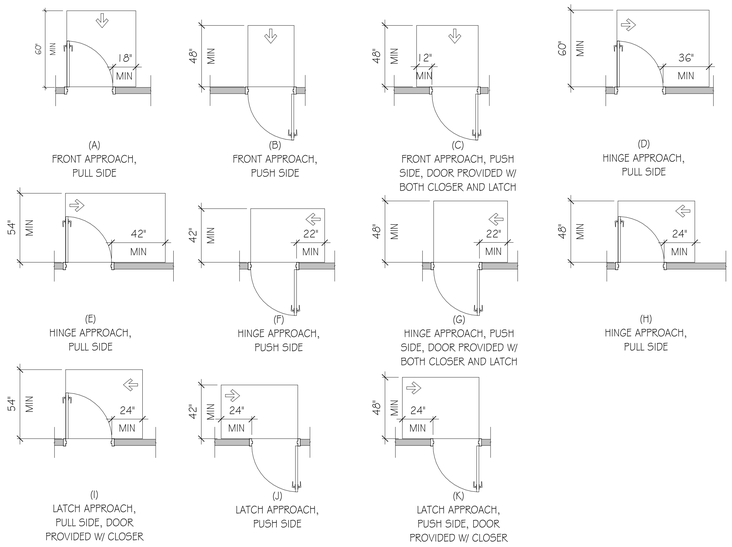
06. **ELECTRICAL DEVICES:** SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED MOUNTING HEIGHT OF ELECTRICAL DEVICES AND FIXTURES. SHOULD CONFLICT EXIST BETWEEN MOUNTING HEIGHTS INDICATED HEREIN AND THE REQUIREMENTS OF THE ELECTRICAL ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR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

ABBREVIATIONS AND ACRONYMS

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

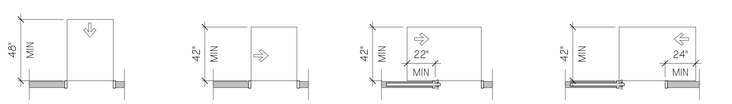
DOOR AND GATE MANEUVERING CLEARANCES

404.2.4.1 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES



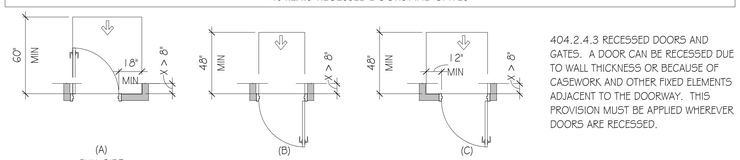
(A) FRONT APPROACH, PULL SIDE
(B) FRONT APPROACH, PUSH SIDE
(C) FRONT APPROACH, PUSH SIDE, DOOR PROVIDED W/ BOTH CLOSER AND LATCH
(D) HINGE APPROACH, PULL SIDE
(E) HINGE APPROACH, PULL SIDE
(F) HINGE APPROACH, PUSH SIDE
(G) HINGE APPROACH, PUSH SIDE, DOOR PROVIDED W/ BOTH CLOSER AND LATCH
(H) HINGE APPROACH,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

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



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

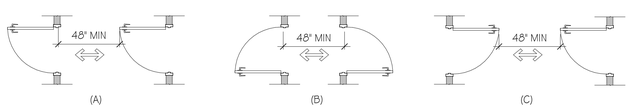
404.2.4.3 RECESSED DOORS AND GATES



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

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

404.2.4.6 DOORS IN SERIES AND GATES IN SERIES



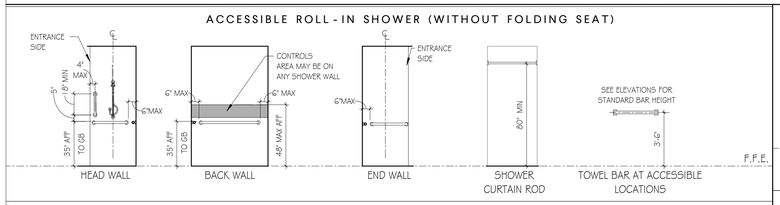
(A) (B) (C)

ACCESSIBLE PLUMBING ELEMENTS AND FACILITIES - ELEVATION VIEW

SEE G1.12 FOR PLAN DETAILS

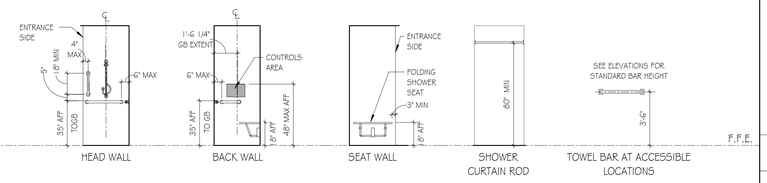
IMPORTANT NOTE: ALL HEIGHTS GIVEN BELOW ARE FROM FACE OF FLOOR FINISH (NOT FROM FINISH SLAB)

ACCESSIBLE ROLL-IN SHOWER (WITHOUT FOLDING SEAT)



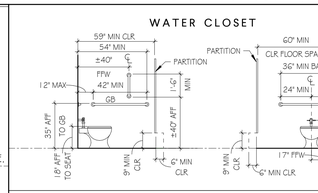
HEAD WALL | BACK WALL | END WALL | SHOWER CURTAIN ROD | TOWEL BAR AT ACCESSIBLE LOCATIONS

ACCESSIBLE TRANSFER SHOWER (WITH FOLDING SEAT)

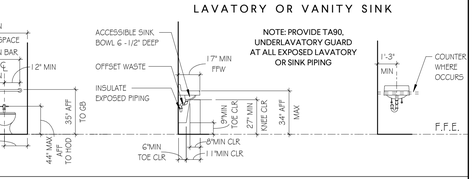


HEAD WALL | BACK WALL | SEAT WALL | SHOWER CURTAIN ROD | TOWEL BAR AT ACCESSIBLE LOCATIONS

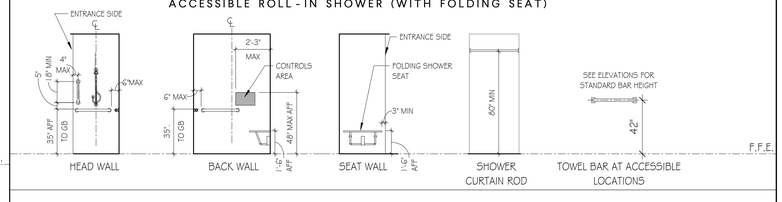
WATER CLOSET



LAVATORY OR VANITY SINK

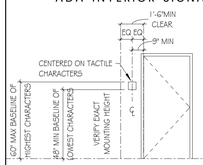


ACCESSIBLE ROLL-IN SHOWER (WITH FOLDING SEAT)



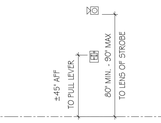
HEAD WALL | BACK WALL | SEAT WALL | SHOWER CURTAIN ROD | TOWEL BAR AT ACCESSIBLE LOCATIONS

ADA INTERIOR SIGNAGE



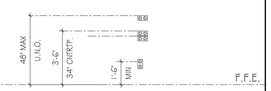
LATCH SIDE OR NEAREST ADJACENT WALL

FIRE ALARM W/ STROBE



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

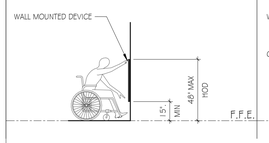
ELECTRICAL DEVICES



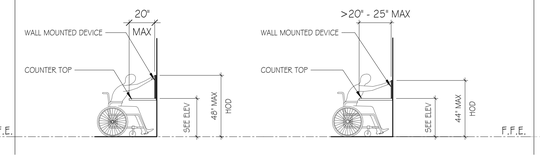
*NOTE: ROTATE ELECTRICAL COVER PLATES HORIZONTAL IF COUNTERTOP IS ABOVE 42" HIGH

TYPICAL REACH RANGES

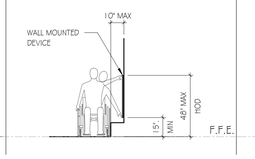
UNOBSTRUCTED FORWARD REACH



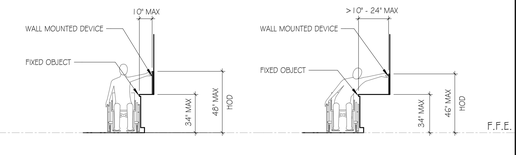
OBSTRUCTED HIGH FORWARD REACH



UNOBSTRUCTED SIDE REACH

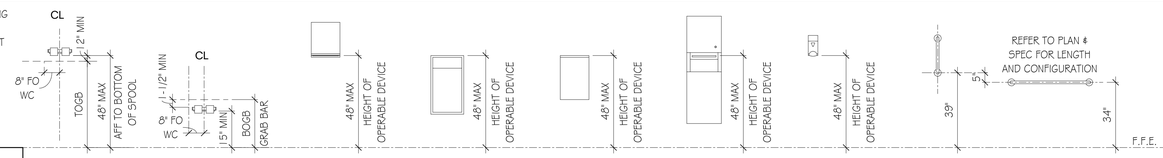


OBSTRUCTED HIGH SIDE REACH

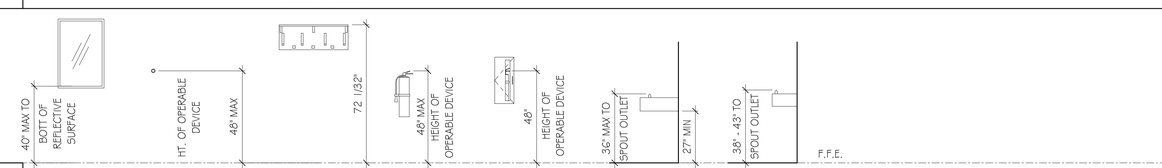


TYPICAL ACCESSIBLE MOUNTING HEIGHTS

VERIFY EXACT MOUNTING HEIGHT OF SUBMITTED DEVICE WITH ARCHITECT



TOILET ACCESSORY TYPE	TOILET TISSUE HOLDER	PAPER TOWEL DISPENSER	WASTE RECEPTACLE	WASTE RECEPTACLE	WASTE RECEPTACLE	SOAP DISPENSER	GRAB BAR VERTICAL	GRAB BAR HORIZONTAL NOTE: TOP OF GRAB BAR MAY BE 36" WHERE USED WITH TANK TOILETS
DRAWING DESIGNATION	TA01	TA03, TA04, TA05, TA06, TA07, TA08, TA09, TA10	TA11 RECESSED	TA12, TA13 SURFACE MOUNTED	TA14, TA15, TA16 RECESSED	TA17, TA18	18" TA23	18" TA23, 36" TA24, 42" TA25



TOILET ACCESSORY TYPE	MIRROR ADA	ROBE HOOK AT ACCESSIBLE LOCATIONS (SEE ELEVATIONS FOR STANDARD HOOK HT)	MOP AND BROOM HOLDER	FIRE EXTINGUISHER	FIRE EXTINGUISHER CABINET	E.W.C. (ACCESSIBLE)	E.W.C. (STANDARD)
DRAWING DESIGNATION	TA31	TA33	TA95	FE	FEC		

GMC
Goodwyn Mills Cawood, LLC
11 North Water Street, Suite 19290
Mobile, AL 36602
T 251.460.4006
GMCNETWORK.COM

ISSUE | DATE
ISSUE FOR BID | 07/29/2026

DRAWN BY: KB
CHECKED BY: VR

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA
VIRGINIA BROOKE RODRIGUEZ
7170
REGISTERED ARCHITECT
07/29/2026

ACCESSIBILITY DATA

G0.30

TEMPLATE VERSION: 2022.1

UL Product iQ®

Design/System/Construction/Assembly Usage Disclaimer

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

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

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

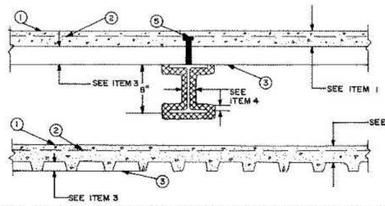
See General Information for Fire resistance Ratings - ANSI/UL 263 Certified for United States Design Criteria and Allowable Variances

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

Design No. D916

August 02, 2024

Restrained Assembly Ratings — 3/4, 1, 1-1/2, 2 or 3 Hr.
(See Items 1, 6, 7, 8 and 11)
Unrestrained Assembly Rating — 0 Hr. (See Items 3, 4 and 4A)
Unrestrained Beam Ratings — 1, 1-1/2, 2 and 3 Hr.
(See Items 4, 4A, 7 and 11)
This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7



Supports — 8x28 min size steel beams. Or steel joists or joist girders (not shown), composite or noncomposite. Welded or bolted to end supports. Designed per S.J.I. specifications for a max tensile stress of 30 ksi. May be either uncoated or provided with a shop coat of paint. For the 2 h or less Restrained or Unrestrained Beam Ratings, top and bottom chords shall each consist of two angles with a min total area of 0.96 and 0.77 sq in., respectively. Web members shall be either round bars or angles. Min area of the end diagonal web shall be 0.444 sq in. Min area of each of the first six interior diagonal webs shall be 0.406 sq in. All other interior webs shall have a min area of 0.196 sq in. For the 3 h Restrained or Unrestrained Beam Ratings, each of the top and bottom chords shall each consist of two angles with a min total area of 1.74 sq in. Web members shall be either round bars or angles. Min area of each of the first five end diagonal webs shall be 0.888 sq in. All other interior webs shall have a min area of 0.441 sq in. Bridging per S.J.I. specifications is required when noncomposite joists are used. For noncomposite joists, steel filler pieces of proper size, 1 to 2 in. long shall be welded to and between the top chord angles at midway between all top chord panel points.

1. **Normal Weight or Lightweight Concrete —** Normal weight concrete carbonate or siliceous aggregate, 3500 psi compressive strength, vibrated. Lightweight concrete, expanded shale, or slate aggregate by rotary-kiln method, or expanded clay aggregate by rotary-kiln or sintered-grate method, or pelletized expanded blast furnace slag aggregate, 3000 psi compressive strength, vibrated, 4 to 7 percent entrained air.

Restrained Assembly Rating Hr	Concrete (Type)	Concrete Unit Weight pcf	Concrete Thkns In.
1	Normal Weight	147-153	3-1/2
1-1/2	Normal Weight	147-153	4
2	Normal Weight	147-153	4-1/2
3	Normal Weight	147-153	5-1/4
3/4 or 1 (See Item 6)	Lightweight	107-113	2-1/2
1	Lightweight	107-120	2-5/8
1-1/2	Lightweight	107-113	3
2	Lightweight	107-113	3-1/4
2	Lightweight	107-116	3-1/4*
2	Lightweight	114-120	3-1/2
3	Lightweight	107-113	4-3/16
3	Lightweight	114-120	4-7/16

*For use with 2 or 3 in. steel floor and form units only.

2. **Welded Wire Fabric —** 6x6 - W1.4xW1.4.

3. **Steel Floor and Form Units* —** Composite or non-composite, 1-1/2, 1-5/8, 1-13/16, 2 or 3 in. deep galv units or 4-1/2 in. deep noncomposite galvanized units. Fluted units may be uncoated or phosphatized/painted. Min gauges are 22 MSG for fluted and 20/20 MSG for cellular units. The following combinations of units may be used:
(1) all 18, 24, 26, 28 or 36 in. wide cellular.

(2) all fluted.

(3) one or two 3 in. deep, 12 in. wide, 18/18 MSG min cellular units, alternating with 3 in. deep fluted or other cellular.

(4) any blend of fluted and 18, 24, 26, 28, or 36 in. wide cellular.

(5) 3 in. deep, 30 in. wide cellular with 8-1/8 in. wide valley along side joints may be used when 3/8 in. diam reinforcing bars are placed 1-1/2 in. to each side of side joints and 1 in. above bottom of unit.

(6) Corrugated, 1-5/16 in. deep, 30 in. wide, 24 MSG min galv units with shear wires factory welded to deck corrugations. Welded to supports 12 in. OC. through welding washers. For shear wire spacing of 8 in. or less the steel deck stress shall not exceed 20 KSI. For shear wire spacing greater than 8 in. OC. but less than or equal to 12 in. OC., steel deck stress shall not exceed 12 KSI.
ASC STEEL DECK, DIV OF ASC PROFILES L L C — 32 in. wide Types NH-32, NHN-32; NHF-32; 36 in. wide Types BH-36, BHN-36, BHN-35-1/4, BHF-36, BHF-36A, 2WH-36, 2WHS-36, 2WHF-36, 2WHF-36A, 3WxH-36, 3WxHF-36, 3WxHF-36A, 3WH-36, 3WHF-36, 3WHF-36A, 3W-36, 3WF-36, DG3W-36, DG3WF-36. All units may be galvanized or Prime Shield. Non-cellular decks may be vented designated with a "V" suffix to the product name. Cellular deck top and bottom sections may be riveted together (designated with "Fr") vs. arc spot welded, "F".

CANAM GROUP INC — 36 in. wide Type P-3623, P-3606, P-3615 and 24 in wide Type P-2432 composite; 24 or 36 in. wide Type 3 in. LOK-Floor; 36 in. wide Types 1.5B, 1.5BI, 1.5BL and 1.5BL; 24 in. or 36 in. wide, Type LF2, vented Types LF2 and LF3.

CANAM STEEL CORP — 24 in. wide, Types 1-1/2 , 2 or 3 in. LOK-Floor and LOK-Floor Cell; 36 in. wide, Types 2 or 3 in. LOK-Floor and LOK-Floor Cell; 24 in. wide, Types N-LOK and N-LOK Cell; 24, 30 or 36 in. wide, Type 1-1/2 in. B-LOK and B-LOK Cell.

KAM INDUSTRIES LTD, DBA CORDECK — QL Types, 24 in. wide 3 or 3 inverted, UKX, UKX-3, 2 in. 99, AKX, 21 or 21 inverted, 121, NKX, TKX; 24 or 30 in. wide GKX, GKXH, GKX-A; 36 in. wide 99, AKX, WKX; 24, 26, or 36 in. wide NKX; 1.5NKC, NKC, AKX, 2 or 3 in. TKC; 12 in. wide noncomposite Sec. 12; 17 in. wide 21; 26 or 28 in. wide UKX, 87.5 cm wide. Side joints of QL, 99, 121, WKX, TKX, TKC, and Metric units - QL-77-900. QLC-78-900 may be welded together 60 in. OC. Side joints of 99, AKX, WKX, GKX, GKX-A, TKX and Metric units - QL-77-900 and QLC-78-900 may be fastened together with min 1 in. long No. 12x14 self-drilling, self-tapping steel screws 36 in. OC.

CHIA TEH CONSTRUCTION MATERIAL CO LTD — 24 or 36 in. wide Mac-Lok 3; 24 in. wide CFD-3.

DECK WEST INC — 36 in. wide Type B-DW, Inverted B-DW, BA-DW, Inverted BA-DW, 2-DW or 3-DW. Side joints of Type 2-DW and 3-DW may be fastened together with min 1 in. long No. 12 x 14 self-drilling, self-tapping steel screws 36 in. OC.

DECKCO LLC – 36 in. wide, Types DC 1.5B, DC 1.5 Form, DC 1.5 Inverted Composite, DC 1.5 Inverted Form, DC 1.5 Composite, DC 2 Form, DC 2 Composite, DC 3 Form, DC 3 Composite.

DESIGN ASSISTANCE CONSTRUCTION SYSTEMS INC — 36 in. wide Type DACS1.5CD, or 24 in. wide Type DACS2.0CD, or DACS3.0CD.

EPIC METALS CORP — 24 in. wide Types EC150, ECP150, EC300, ECP300, EC366, ECP366, EC150, EC300 inverted. ECA, 30 in. wide Types ECB150, ECBR150; 36 in. wide Type EC266.

HAMBRO STRUCTURAL SYSTEMS, DIV OF CANAM STEEL CORP — 36 in. wide, 1-1/2 in. Type P3615HB. The max superimposed loadings for Type P3615HB units shall not exceed 250 PSF. For single spans, the use of the units shall be limited to 5 ft 6 in., 6 ft 0 in. and 6 ft 6 in. max spans for the 22, 20 and 18 gauge units, respectively. For multiple spans, 18 gauge units may be used on a max 7 ft 6 in. spans with a max total superimposed loading of 240 PSF.

INTSEL STEEL EAST LLC — 36 in. wide Types 1.5" COMPOSITE/FLOOR, 2" COMPOSITE/FLOOR, 3" COMPOSITE/FLOOR.

KAM INDUSTRIES LTD, DBA CORDECK — 24 in. wide, Types 2 or 3 in. WDR.

MARLYN STEEL DECKS INC — Type 1.5 CF, 2.0 CF or 3.0 CF.

NEW MILLENNIUM BUILDING SYSTEMS L L C — 24 in. wide Type Versa-Dek.

NEW MILLENNIUM BUILDING SYSTEMS L L C — 24 or 36 in. wide Types 2.0CD, 3.0CD, 2.0CFD, 3.0CFD, 3.0CFDES; 24, 30 or 36 in. wide Types 1.5CD, 1.5CDI, 1.5CDR, 1.5CFD. Fluted units may be phos/painted or galvanized.

ROOF DECK INC — 36 in. wide Types LOK 1 1/2, LOK 1 1/2 R; 24 in. wide Types LOK-2, LOK-3.

STEEL MASTERS INTERNATIONAL DEPENDABLE STEEL — 36 in. wide Types 2WH-36, 3WH-36. Units may be phos/painted or galvanized.

TATA STEEL INTERNATIONAL MIDDLE EAST FZE — 36 in. wide, Type ComFlor 46.

VALLEY JOIST+DECK — 24 or 36 in. wide Types WVC 1-1/2 or WVC 2.

VERCO DECKING INC - A NUCOR CO — FORMLOK™ deck types PLB, B, BR, PLN3, N3, PLN, N, PLW2, W2, PLW3, W3. Units may be galvanized, phos./ptd., or mill finish. Units may be cellular or acoustical cellular, with the suffix "CD" or "CD-AC" added to the product name, respectively. All non-cellular deck may be vented or non-vented. 12 in. wide PLW2, W2, PLW3 or W3 units may be blended with 24 or in. wide PLW2, W2, PLW3 or W3 units, respectively; or Types N3, PLN3.

VICWEST INC. — Types HB938, HB938CL, HB938-INV, HB308-INV, HB306, HB30V; Types HB5938, HB5938CL and HB5938CL-IN Composite Steel Decks; Types RDS938, RDS938CL and RDS938CL-IN Non-Composite Steel Decks.

VULCRAFT, DIV OF NUCOR CORP — 24, 30 or 36 in. wide Types 1.5VL, 1.5VLI, 1.5PLVLI, 1.5VLP, 1.5PLVLP, 1.5VLR; 24 or 36 in. wide Types 1.5VLPA, 1.5PLVLPA, 2VLI, 2.0PLVLI, 2VLI, 2VLP, 2.0PLVLP, 2VLPA, 2.0PLVLPA, 3VLI, 3.0PLVLI, 3VLI, 3VLP, 3.0PLVLP, 3VLPA, 3.0PLVLPA. Types 1.5VL, 1.5VLI, 1.5PLVLI, 1.5VLR, 2VLI, 2.0PLVLI, 2VLI, 3VLI, 3.0PLVLI, 3VLI units may be phos/ptd. 24 or 36 in. wide Types 2VLI, 3VLI units ++ may be used for max 2 hr Restrained Assembly Rating. Side joints of Type 1.5VL may be fastened together with min 1 in. long No. 12x14 self-drilling, self-tapping steel screws 36 in. OC max. 36 in. wide Types 1.5 SB, 1.5 SBR; 24 or 36 in wide Types 2.0 SB, 3.0 SB, 36 in. wide Type High Strength 1.5 SBI, 36 in. wide Type High Strength 1.5 SBN.

Spacing of welds attaching units to supports shall be 12 in. OC for 12, 24, and 36 in. wide units, four welds per sheet for 30 in. wide units, 6 in. OC for 18 in. wide and Sec. 12 units. Unless noted otherwise, adjacent units button-punched or welded together 36 in. OC along side joints. Adjacent 18 in. wide units welded together 30 in. OC along side joints. For **3 Hr. Rating,** units with overlapping type side joints welded together 24 in. OC max.

When a superimposed load of 250 PSF is desired the spacing of welds or button-punches shall not exceed 24 in. OC along side joints.

++ Side joints of Types 2VLI or 3VLI units may be fastened together with No. 8, 3/4 in. long self-drilling Tek screws driven diagonally from the top side through the joint of the units at 36 in. O. C. max.

The Unrestrained Assembly Rating is equal to the Unrestrained Beam Rating for a max of 3 Hr. and is limited to the following units and limitations:

(a) 1-1/2 in. deep, 24 or 36 in. wide, 22 MSG or thicker fluted with clear spans not more than 7 ft 8 in.

(b) 1-1/2 in. deep, 24 or 36 in. wide, 20 MSG or thicker fluted with clear spans not more than 8 ft 8 in.

(c) 1-1/2 in. deep, 24 or 36 in. wide, 16 MSG or thicker fluted and 18/18 MSG or thicker cellular with clear spans not more than 9 ft 11 in.

(d) 3 in. deep, 36 in. wide, 18 MSG or thicker fluted and 24 in. wide, 20/18 MSG or thicker cellular with clear spans not more than 13 ft 2 in.

4. **Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below, in the tables below to steel beam surfaces which must be clean and free of dirt, loose scale and oil. Min avg and min density of 15/14 pcf respectively. Min avg and min ind density of 19/18 pcf respectively for Type 7GP and 7HD. For method of density determination, refer to Design Information Section.

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	1/2
1-1/2	1	1	1/2
1-1/2	1-1/2	1-1/2	13/16
2	1	1	1/2
2	2	2	1-1/16
3	1-1/2	1-1/2	13/16
3	3	3	1-9/16

The thicknesses of Spray-Applied Fire Resistive Materials shown in the table below are applicable when the thickness applied to the beams' lower flange edges is reduced by 1/2 that shown in the table:

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	9/16
1-1/2	1	1	9/16
1-1/2	1-1/2	1-1/2	7/8
2	1	1	9/16
2	2	2	1-3/16
3	1-1/2	1-1/2	7/8
3	3	3	1-3/4

The thicknesses of Spray-Applied Fire Resistive Materials shown in the table below are applicable when the thickness applied to the beams'

lower flange edges is reduced by 1/2 that shown in the table and the beams are supporting all fluted floor or form units w/lightweight concrete only:

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	7/16+
1-1/2	1	1	7/16+
1-1/2	1-1/2	1-1/2	3/4
2	1	1	7/16+
2	2	2	1
3	1-1/2	1-1/2	3/4
3	3	3	1-9/16

+Thickness applied to beams' lower flange edge to be 1/4 in. min.

The thickness of material required on the steel joist for the various ratings are shown in the following table:

Restrained or Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Joist & Bridging In.
1	1	1-1/8
1-1/2	1-1/2	1-3/4
2	2	2-1/4
3	3	2-7/8

GCP KOREA INC — Types MK-6/CBF, MK-6/ED, MK-6/HY, MK-6s, Monokote Acoustic 1.

PYROK INC — Type LD.

Carboline Global Inc. — Types 4, 5, 5EF, 5GP, 5MD, 7GP, 7HD, 8EF, 8GP, 8MD, 9EF, 9GP, 9MD.

GCP APPLIED TECHNOLOGIES INC — Types MK-6/HY, MK-6s, RG, Monokote Acoustic 1.

4A. **Alternate Spray-Applied Fire Resistive Materials* —** Applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below to steel beam surfaces which must be clean and free of dirt, loose scale and oil. When fluted steel deck is used the area between the steel deck and the beams top flange shall be sprayed min avg and min ind density of 19/18 pcf, respectively for Types 7GP, 7HD, 10S. Min avg and min ind density of 22/19 pcf, respectively for Types Z- 106, Z-106/G, Z-106/HY. For method of density determination, refer to Design Information Section.

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	1/2
1-1/2	1	1	1/2
1-1/2	1-1/2	1-1/2	13/16
2	1	1	1/2
2	2	2	1-1/16
3	1-1/2	1-1/2	13/16
3	3	3	1-9/16

The thicknesses of Spray-Applied Fire Resistive Materials shown in the table below are applicable when the beams are supporting all fluted floor or form units w/lightweight concrete only:

Restrained Assembly Rating Hr	Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1	1	7/16
1-1/2	1	1	7/16
1-1/2	1-1/2	1-1/2	3/4
2	1	1	7/16
2	2	2	1
3	1-1/2	1-1/2	3/4
3	3	3	1-5/16

+Thickness applied to beams lower flange edge to be 1/4 in. min.

The thickness of material required on the steel joist for the various Ratings are shown in the following table:

Restrained or Unrestrained Assembly Rating Hr	Unrestrained Beam Rating Hr	Type of Concrete Slab	Spray Applied Fire Resistive Mtl Thkns In. Joist & Bridging
1	1	NW or LW	1-1/8
1-1/2	1-1/2	NW or LW	1-3/4
2	2	NW or LW	2-1/4
3	3	NW or LW	2-7/8

GCP KOREA INC — Types Z-106, Z-106/G, Z-106/HY, Monokote Acoustic 5.

Carboline Global Inc. — Types 7GP, 7HD.

GCP APPLIED TECHNOLOGIES INC — Types Z- 105, Z-106, Z-106/G, Z-106/HY, Monokote Acoustic 5.

4B. **Alternate Spray-Applied Fire Resistive Materials —** Applied by mixing with water and spraying in one or more coats to a final thickness as shown in the tables below to steel beam surfaces which must be clean and free of dirt, loose scale and oil. The thicknesses shown in the table below are applicable to beams supporting all fluted floor or form units. Min avg and min ind density of 40/36 pcf, respectively. Min avg and min ind density of 40/36 pcf respectively for Types Z-146, Z-146PC and Z-146T cementitious mixture. Min avg and min ind density of 50/45 pcf respectively for Types Z-156, Z-156T and Z-156PC.
For density determination refer to Design Information Section.

Unrestrained Beam Rating Hr	Restrained Assembly Rating Hr	Concrete Type	Spray Applied Fire Resistive Mtl Thkns on Beam In.
1	1, 1-1/2, 2	LW	9/16
1-1/2	1, 1-1/2, 2, 3	LW	7/8
1	1, 1-1/2, 2	LW	3/4
1-1/2	1, 1-1/2, 2, 3	LW	1

GCP KOREA INC — Type Z-146 investigated for exterior use

GCP APPLIED TECHNOLOGIES INC — Types Z-146, Z-146T, Z146PC, Z-156, Z-156T and Z-156PC investigated for exterior use

5. **Shear-Connector Studs — Optional —** Studs 3/4 in. diam by 3 in. long, for 1-1/2 in. deep form units to 5-1/4 in. long for 3 in. deep form units, headed type or equivalent per AISC specifications. Welded to the top flange of the beam through the steel form units.

6. **Electrical Inserts —** (Not shown) Classified as **"Outlet Boxes and Fittings Classified for Fire Resistance."**
KAM INDUSTRIES LTD, DBA CORDECK — Preset Inserts

For use with 2-1/2 in. lightweight concrete topping over QL-WKX steel floor units. Installed over factory-punched holes in floor units per accompanying installation instructions.

Spacing shall not be more than one insert in each 14 sq ft. of floor area with spacing along floor units not less than 48 in. OC. The holes cut in insert cover for passage of wires shall be no more than 1/8 in. larger diam. than wire. Restrained Assembly Rating is 3/4 hr with Tapmate II-FS-1 and 1 hr with Tapmate II-FS-2 inserts.

KAM INDUSTRIES LTD, DBA CORDECK — Tapmate II-FS-1, II-FS-2; Series KEB.

(2) **Wiremold Co.** — After set Inserts.

Single-service after set inserts installed per accompanying installation instructions in 2-1/2 in. diam hole core-drilled through min 3-1/4 in. thick concrete topping to top of cell of any min 3 in. deep cellular steel floor unit specified under Item 3. Spacing shall be no more than one insert in each 10 sq ft of floor area in each span with a min center to center spacing of 16 in. If the high potential and low potential raceways of the cellular steel floor unit are separated by a valley filled with concrete, the center to center spacing of the high potential and low potential single-service after set inserts may be reduced to a min of 7-1/2 in. Restrained Assembly Rating is 2 hr or less with internally protected type 436 after set insert with Type M4-, M6- or M8- Series single-service activation fitting.

WIREMOLD CO — Internally protected Type 436 after set insert with Type M4-, M6- or M8- Series single-service activation fitting.

7. **Mineral and Fiber Boards* —** (Optional, not shown). Applied over concrete floor with no restriction on board thickness. When mineral and fiber boards are used, the unrestrained beam rating shall be increased by a minimum of 1/2 hr.
See Mineral and Fiber Board (CERZ) category for names of manufacturers.

8. **Roof Covering Materials* —** (Optional, not shown)Consisting of materials compatible with insulations described herein which provide Class A, B or C coverings. See Built-Up Roof Covering Materials in Building Materials Directory.

9. **Insulating Concrete —** (not shown) Optional. Various types of insulating concrete prepared and applied in the thickness indicated.
A. **Vermiculite Concrete —** (not shown) Optional.
1. Blend 6 to 8 cu. ft. of Vermiculite Aggregate* to 94 lb. Portland Cement and air entraining agent. Min thickness of 2 in. as measured to the top surface of the structural concrete or foamed plastic (Item 10) when it is used.
ELASTIZELL CORP OF AMERICA

SIPLAST INC

VERMICULITE PRODUCTS INC

2. Blend 3.5 cu. ft. of Type NVC Concrete Aggregate* or Type NVS Vermiculite Aggregate* coat, 1/8 in. thickness beneath foamed plastic (Item 10) when used, 1 in. min topping thickness.
SIPLAST INC

VERMICULITE PRODUCTS INC

Vermiculite concrete may be covered with Roof Covering Materials (Item 8).

B. **Cellular Concrete — Roof Topping Mixture* —** concentrate mixed with water and Portland cement per manufacturers specifications. Min. thickness of 2-in. as measured to the top surface of the structural concrete or foamed plastic (Item 10A) when used. Cast dry density and 28— day min. compressive strength of 190 psi as determined with ASTM C495— 66.
AERIX INDUSTRIES — Cast dry density of 37 (+ or -) 3.0 pcf.

CELCORE INC — Type Celcore with cast dry density of 31 (+ or - 3.0) pcf or Type Celcore MF with cast dry density of 29 (+ or - 3.0) pcf.

ELASTIZELL CORP OF AMERICA — Type II. Mix #1 of cast dry density 39 (+ or -) 3.0 pcf, Mix #2 of cast dry density 40 (+ or -) 3.0 pcf, Mix #3 of cast dry density 47 (+ or -) 3.0 pcf.

C. **Cellular Concrete-Roof Topping Mixture* —** Concentrate mixed with water and Portland cement per manufacturers specifications. 28-day min. compressive strength of 190 psi as determined with ASTM C495-66.
SIPLAST INC — Mix No. 1 or 2. Cast dry density of 32+3 (Mix No. 1) or 36+3 (Mix No. 2) pcf.

D. **Perlite Concrete —** 6 cu ft. of Perlite Aggregate* to 94 lb of Portland Cement and 1-1/2 pt air entraining agent. Min. thickness 2 in. as measured to the top surface of structural concrete or foamed plastic (Item 10A) when it is used.
See Perlite Aggregate (CFFX) in Fire Resistance Directory for names of manufacturers.

E. **Cellular Concrete — Roof Topping Mixture* —** Foam Concentrate mixed with water, Portland Cement and UL Classified Vermiculite Aggregate per manufacturer's application instructions. Cast dry density of 33 (+ or -) 3.0 pcf and 28-day compressive strength of min 250 psi as determined in accordance with ASTM C495-86.
AERIX INDUSTRIES — Mix No. 3.

SIPLAST INC — Mix No. 3.

F. **Floor Topping Mixture* —** (Optional, not shown) — Approx 4.5 gal of water to 41 lbs of NVS Premix floor topping mixture. Slurry coat 1/8 in. thickness beneath foamed plastic (Item 10) when used , 1 in. min topping thickness.
SIPLAST INC

Floor Topping Mixture may be covered with Built-Up or Single Membrane Roof Covering.

10. **Foamed Plastic* —** (optional — Not Shown) For use only with vermiculite (Item 9A) or cellular (Item 9C) concretes — Rigid polystyrene foamed plastic insulation having slots and/or holes sandwiched between vermiculite concrete slurry which is applied to the normal or lightweight concrete surface and vermiculite concrete topping (Item 9A).

SIPLAST INC

VERMICULITE PRODUCTS INC

10A. **Foamed Plastic* —** For use only with cellular concrete. Nominal 24 by 48 in. polystyrene foamed plastic insulation boards having a density of 1.0 + 0.1 pcf encapsulated within cellular concrete topping (Item 9B). Each insulation board shall contain six nominal 3 in. diameter holes oriented in two rows of three holes each with the holes spaced 12 in. OC. transversely and 16 in. OC longitudinally.
See Foamed Plastic* (BRYX) category in Building Materials Directory or Foamed Plastic* (CCVW) category in Fire Resistance Directory for list of manufacturers.

11. **Foamed Plastic* —** (Optional, not shown). Polyisocyanurate roof insulation, applied over concrete floor with no restriction on insulation thickness. When polyisocyanurate insulation is used, the unrestrained beam rating shall be increased by a minimum of 1/2 hr.

12. **Metal Lath —** (Not Shown) — (Required with Z-146, Z-146T, Z146PC, Z-156, Z-156T and Z-156PC, otherwise optional) - Metal lath may be used to facilitate the spray application of Spray-Applied Fire Resistive Materials on steel bar joist and trusses. The diamond mesh, 3/8 in. expanded steel lath, 1.7 to 3.4 lb per sq yd is secured to both sides of each steel joist with No. 18 SWG galv steel wire at joist web and bottom chord members spaced 15 in. OC max. When used, the metal lath is to be fully covered with Spray-Applied Fire Resistive.
See **Foamed Plastic** (CCVW) category for list of manufacturers.

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

Last Updated on 2024-08-02

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DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA
REGISTERED ARCHITECT
BRIANNA BROOKE RODRIGUEZ
7170
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- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
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- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
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BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

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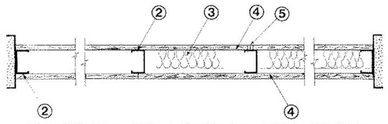
See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

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

Design No. U465

May 29, 2020

Nonbearing Wall Rating — 1 HR.



1. **Floor and Ceiling Runners —** (Not Shown) — Channel shaped runners, 3-5/8 in. deep (min), 1-1/4 in. legs, formed from min No. 25 MSG galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1A. **Framing Members* — Floor and Ceiling Runners —** (Not Shown) — As an alternate to Item 1 — Channel shaped, min 3-5/8 in. deep, attached to floor and ceiling with fasteners 24 in. OC. max.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

1B. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track

FUSION BUILDING PRODUCTS — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1C. **Floor and Ceiling Runners —** (Not Shown) — For use with Item 2C — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

1D. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 through 1C — For use with Item 2D and 4G only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK

DMFCWBS L L C — ProTRAK

MBA METAL FRAMING — ProTRAK

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

1E. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 through 1D — For use with Item 2E and 4I only, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
TELLING INDUSTRIES L L C — TRUE-TRACK™

1F. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 through 1E — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 25 MSG steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
KIRII (HONG KONG) LTD — Type KIRII

1G. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 through 1F — For use with Item 2, channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide, attached to floor and ceiling with fasteners spaced 24 in. OC max.
STUDCO BUILDING SYSTEMS — CROCSTUD Track

1H. **Floor and Ceiling Runners —** (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.02 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in. OC.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track VT100

FUSION BUILDING PRODUCTS — Viper20™ Track VT100

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track VT100

1I. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Item 1 — For use with Item 2H, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
TELLING INDUSTRIES L L C — Viper20™ Track

1J. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Items 1 — For use with Item 2 L, proprietary channel shaped runners, 1-1/4 in. deep by min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
RESCUE METAL FRAMING, L L C — AlphaTRAK

1K. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Item 1 — For use with Item 2M, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep, fabricated from min 25 MSG (0.018 in. min. bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X Track

1L. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Item 1 — For use with Item 2N, proprietary channel shaped runners, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CRACO MFG INC — SmartTrack20™

2. **Steel Studs —** Channel shaped, 3-5/8 in. deep (min), formed from min No. 25 MSG galv steel spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.

2A. **Framing Members* — Steel Studs —** As an alternate to Item 2 — Channel shaped studs, min 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20

STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

2B. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1B, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

CRACO MFG INC — SmartStud20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™

FUSION BUILDING PRODUCTS — Viper20™

IMPERIAL MANUFACTURING GROUP INC — Viper20™

2C. **Steel Studs —** (As an alternate to Item 2, For use with Item 1C) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min depth, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height. See materials in Item(s) 4 that require Item 2C studs.

2D. **Framing Members* — Steel Studs —** As an alternate to Items 2 through 2C — For use with Item 1D and 4G only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.
CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

2E. **Framing Members* — Steel Studs —** As an alternate to Items 2 through 2D — For use with Item 1E and 4I only, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.
TELLING INDUSTRIES L L C — TRUE-STUD™

2F. **Framing Members* — Steel Studs —** As an alternate to Items 2 through 2E — For use with Item 1F, channel shaped studs, min 3-5/8 in. wide fabricated from min 25 MSG steel, spaced a max of 24 in. OC. Studs to be cut 1/2 in. less than assembly height.
KIRII (HONG KONG) LTD — Type KIRII

2G. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 through 2F — For use with Item 1G. Proprietary channel shaped studs, minimum 3-5/8 in. wide, Studs to be cut 1/2 in. less than the assembly height.
STUDCO BUILDING SYSTEMS — CROCSTUD

2H. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1I, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.
TELLING INDUSTRIES L L C — Viper20™

2I. **Framing Members* — Steel Studs —** In lieu of Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 3-5/8 in. deep (min), spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.
EB METAL INC — NITROSTUD

2J. **Framing Members* — Steel Studs —** In lieu of Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 3-5/8 in. deep (min), spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.
OLMAR SUPPLY INC — PRIMESTUD

2K. **Framing Members* — Steel Studs —** As an alternate to Item 2 — For use with Item 1B (3-5/8 in. wide track), channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, 1-1/4 in. wide by 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.
MARINO/WARE, DIV OF WARE INDUSTRIES INC — StudRite™

2L. **Framing Members* — Steel Studs —** As an alternate to Items 2 — For use with Item 1J, channel shaped studs, min 3-5/8 in. wide fabricated from min 0.018 in. thick galv steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.
RESCUE METAL FRAMING, L L C — AlphaSTUD

2M. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1K, proprietary channel shaped steel studs, min 1-1/4 in. wide by min 3-5/8 in. deep, fabricated from min 25 MSG (0.018 in. min. bare metal thickness). Studs cut 3/4 in. less in length than assembly height.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper X

2N. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 2 — For use with Item 1L, proprietary channel shaped steel studs, 1-1/4 in. wide by min 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel. Studs cut 3/4 in. less in length than assembly height.
CRACO MFG INC — SmartStud20™

3. **Batts and Blankets* —** (Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity. See **Batts and Blankets** (BZJZ) category for names of Classified companies.

ROCKWOOL — Type AFB, min. density 1.69 pcf / 27.0 kg/m³

ROCKWOOL MALAYSIA SDN BHD — Type Acoustical Fire Batts

3A. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — (100% Borate Formulation) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft³. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft³, in accordance with the application instructions supplied with the product.
U S GREENFIBER L L C — INS710S, INS745, INS750LD for use with wet or dry application. INS765LD and INS773LD are to be used for dry application only

3B. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.
NU-WOOL CO INC — Cellulose Insulation

3C. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lbs/ft³.
INTERNATIONAL CELLULOSE CORP — Celbar-RL

3D. **Batts and Blankets* —** For use with Item 8. Nom 3 in. thick, minimum 3.4 pcf mineral wool batts, friction fit between the studs and floor and ceiling runners.
See **Batts and Blankets** (BZJZ) category for names of manufacturers.

3E. **Batts and Blankets* —** For use with Item 4P, 4R, and 4S. Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance.
See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

3F. **Fiber, Sprayed* —** As an alternate to Batts and Blankets (Item 3) — Spray-applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. To facilitate the installation of the material, any thin, woven or non-woven netting may be attached by any means possible to the outer face the studs. The material shall reach equilibrium moisture content before the installation of materials on either face of the studs. The minimum dry density shall be 5.79 lbs/ft³.
APPLEGATE HOLDINGS L L C — Applegate Advanced Stabilized Cellulose Insulation

4. **Gypsum Board* —** 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When attached to Items 6 (resilient channels) or 6A, 6B, 6C, 6D, or 6E (furring channels), gypsum board is screw attached to furring channels with 1 in. long, Type S steel screws spaced 12 in. OC.
AMERICAN GYPSUM CO — Types AG-C, AGX-1, M-Glass, LightRoc

BEIJING NEW BUILDING MATERIALS PUBLIC LTD CO — Type DBX-1

CABOT MANUFACTURING ULC — Type X, 5/8 Type X, Type Blueglass Exterior Sheathing

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

CERTAINTEED GYPSUM INC — Types EGRG, GlasRoc, Type X, Type X-1, Type C, 5/8" Easi-Lite Type X, Easi-Lite Type X-2

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD, LGLLX

GEORGIA-PACIFIC GYPSUM L L C — Types 5, 6, 9, C, DAP, DD, DA, DAPC, DGG, DS, GPFS6, LS, Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, TG-C, GreenGlass Type X, Type X ComfortGuard Sound Deadening Gypsum Board, Type LWX, Veneer Plaster Base-Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type- DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W

NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSMR-C, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSW-8, FSL

NATIONAL GYPSUM CO — Riyadh, Saudi Arabia — Type FR, or WR

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-C, PG-9, PG-11, PGS-WRS

PANEL REY S A — Types GREX, GRIX, PRC, PRC2, PRX, RHX, MDX, ETX

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Air, Gyproc DuraLine MR ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air

SIAM GYPSUM INDUSTRY (SARABURI) CO LTD — Type EX-1

THAI GYPSUM PRODUCTS PCL — Type X, Type C

UNITED STATES GYPSUM CO — Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

USG BORAL DRYWALL SFZ LLC — Types C, SCX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

USG MEXICO S A DE C V — Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

4A. **Gypsum Board* —** (As alternate to Item 4) — Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not steel screws spaced 8 in. OC when applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. When used in widths other than 48 in., gypsum panels to be installed horizontally.
CERTAINTEED GYPSUM INC — Type X, Type X-1, Type C, Type EGRG/ GlasRoc, GlasRoc-2, Type SilentFX, Easi-Lite Type X-2

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, USGX, WRC or WRX (Joint tape and compound, Item 5, optional for use with Type USGX)

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD

GEORGIA-PACIFIC GYPSUM L L C — Types DAP, DAPC, DGG, DS

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Air, Gyproc DuraLine MR ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air

THAI GYPSUM PRODUCTS PCL — Type C

UNITED STATES GYPSUM CO — Types C, SCX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

USG BORAL DRYWALL SFZ LLC — Type C

USG MEXICO S A DE C V — Types C, SCX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

4B. **Gypsum Board* —** (As an alternate to Items 4 or 4A) — Nom 3/4 in. thick, 4 ft wide, installed as described in Item 4A with screw length increased to 1-1/4 in.
CGC INC — Types AR, IP-AR

UNITED STATES GYPSUM CO — Types AR, IP-AR

USG MEXICO S A DE C V — Types AR, IP-AR

4C. **Gypsum Board* —** As an alternate to Items 4, 4A, and 4B — Nom. 5/8 in. thick gypsum panels, with square edges, applied horizontally. Gypsum panels fastened to framing with 1 in. long bugle head steel screws spaced a max 8 in. OC, with last 2 screws 3/4 in. and 4 in. from each edge of board. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs on interior walls need not be staggered or backed by steel framing.
GEORGIA-PACIFIC GYPSUM L L C — Type DGG, GreenGlass Type X

4D. **Gypsum Board* —** As an alternate to Items 4, 4A, 4B, and 4C — Nom. 5/8 in. thick gypsum panels applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Gypsum panels fastened to framing with 1 in. long Type S steel screws 12 in. OC along vertical edges and in the field. Screws spaced a max 12 in. along the top and bottom edges of the wall for both vertical and horizontal applications. When used in widths other than 48 in., gypsum panels to be installed horizontally.
NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSL, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSMR-C

4E. **Gypsum Board* —** (As an alternate to Items 4 through 4D) — Installed as described in Item 4. 5/8 in. thick, 4 ft. wide, applied vertically only and fastened to the studs and plates with 1 in. long, Type S steel screws spaced, 12 in. OC.
NATIONAL GYPSUM CO — Type SBWB

4F. **Gypsum Board* —** (Not Shown) — (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.
RAY-BAR ENGINEERING CORP — Type R8-LBG

4G. **Gypsum Board* —** (As an alternate to Items 4 through 4F) — For use with Items 1D and 2D only, 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly.
CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC6A, LGFC-C/A

NATIONAL GYPSUM CO — Types FSW

UNITED STATES GYPSUM CO — Type SCX

USG BORAL DRYWALL SFZ LLC — Type SCX

4H. **Gypsum Board* —** (As an alternate to Items 4 through 4G) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock ES

4I. **Gypsum Board* —** (As an alternate to Items 4 through 4F) — For use with Items 1E and 2E only, 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly.
UNITED STATES GYPSUM CO — Type SCX

USG BORAL DRYWALL SFZ LLC — Type SCX

4J. **Gypsum Board* —** (Not Shown) — (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C) — Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 9A) or Lead Discs (see Item 10A).
MAYCO INDUSTRIES INC — Type X-Ray Shielded Gypsum

4K. **Gypsum Board* —** (As an alternate to Item 4 and 4A, not for use with Items 1D, 1E, 2D and 2E) — Nom. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 4 and 4A.
CGC INC — Type ULX

UNITED STATES GYPSUM CO — Type ULX

USG MEXICO S A DE C V — Type ULX

4L. **Gypsum Board* —** (Not Shown) — (As an alternate to Item 4 when used as the base layer on one or both sides of wall. For direct attachment only to steel studs Item 2C). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C".
RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

4M. **Gypsum Board* —** (For use with Item 8) — 5/8 in. thick, 4 ft wide, applied vertically over Mineral and Fiber Board (Item 8) with vertical joints located anywhere over stud cavities. Secured to mineral and fiber boards with 1-1/2 in. Type G Screws spaced 8 in. OC along edges of each vertical joint and 12 in. OC in intermediate field of the Mineral and Fiber Board (Item 8). Secured to outermost studs and floor and ceiling runners with 2 in. long Type S screws spaced 8 in. OC. Gypsum Board joints covered with paper tape and joint compound. Screw heads covered with joint compound.
AMERICAN GYPSUM CO — Type AG-C

CERTAINTEED GYPSUM INC — Type C

CGC INC — Types C, IP-X2, IPC-AR

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type LGFC-C/A

GEORGIA-PACIFIC GYPSUM L L C — Types 5, DAPC, TG-C

NATIONAL GYPSUM CO — Types eXP-C, FSK-C, FSW-C

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-C

PANEL REY S A — Types PRC, PRC2

SAINT-GOBAIN GYPROC MIDDLE EAST FZE — Type Gyproc FireStop, Gyproc FireStop MR, Gyproc FireStop M2TECH, Gyproc FireStop ACTIV'Air, Gyproc FireStop MR ACTIV'Air, Gyproc FireStop M2TECH ACTIV'Air, Gyproc DuraLine, Gyproc DuraLine MR, Gyproc DuraLine M2TECH, Gyproc DuraLine ACTIV'Air, Gyproc DuraLine MR ACTIV'Air, Gyproc DuraLine M2TECH ACTIV'Air

THAI GYPSUM PRODUCTS PCL — Type C

UNITED STATES GYPSUM CO — Types C, IP-X2, IPC-AR

USG BORAL DRYWALL SFZ LLC — Type C

USG MEXICO S A DE C V — Types C, IP-X2, IPC-AR

4N. **Wall and Partition Facings and Accessories* —** (As an alternate to Item 4) — Nominal 5/8 in. thick, 4 ft wide panels, applied vertically and secured as described in Item 4.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 527

4O. **Gypsum Board* —** As an alternate to Items 4, 4A, 4B, and 4C — Two layers Nom. 5/16 in. thick gypsum panels applied vertically or horizontally. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Horizontal joints on the same side need not be staggered. When applied horizontally, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC and staggered 4 in. OC between layers. When applied vertically, both layers of gypsum board fastened to each side of framing with 1 in. long Type S steel screws spaced 8 in. OC along vertical edges and 12 in. OC in the field, staggered 4 in. OC between layers. Screws spaced a max 12 in. along the top and bottom edges of the wall.
NATIONAL GYPSUM CO — Type FSW

4P. **Gypsum Board* —** As an alternate to Item 4. For use with Item 3E, **Batts and Blankets*** — 5/8 in. thick, 4 ft wide, installed as described in Item 4.
UNITED STATES GYPSUM CO — Types ULIX

4Q. **Gypsum Board* —** 3/4 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track as described in Item 4 with screw length increased to min. 1- 1/8 in.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type PG-13

4R. **Gypsum Board* —** As an alternate to Item 4D. For use with Item 3E, **Batts and Blankets*** — 5/8 in. thick, 4 ft wide, installed as described in Item 4.
NATIONAL GYPSUM CO — Type FSLX.

4S. **Gypsum Board* —** As an alternate to Item 4. For use with Item 3E, **Batts and Blankets*** — 5/8 in. thick, 4 ft wide, installed as described in Item 4A.
CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type CLLX.

4T. **Wall and Partition Facings and Accessories* —** (As an alternate to 5/8 in. thick board as outlined in Item 4) — Nominal 1-3/8 in. thick, 4 ft wide panels, applied vertically or horizontally. Fastened with #6 x 2 in. long drywall screws spaced 8 in. OC along the perimeter and 12 in. OC in the field.
PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Type QuietRock 545

5. **Joint Tape and Compound —** Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.

6. **Resilient Channel —** (Optional — Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC. flange portion attached to each intersecting stud with 1/2 in. long type S-12 pan head steel screws. May not be used with Item 4F, 4J or 4L.

6A. **Steel Framing Members* —** (Not Shown) — As an alternate to Item 6, furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels are overlapped 6 in. and tied together with double strand of No. 18 SWG galv steel wire near each end of overlap. As an alternate, ends of adjoining channels may be overlapped 6 in. and secured together with two self-tapping No. 6 framing screws, min 7/16 in. long. at the midpoint of the overlap, with one screw on each flange of the channel. Not for use with Items 4F, 4J, or 4L.

b. **Framing Members* —** Used to attach furring channels (Item a) to studs (Item 2). Clips spaced 48 in. OC., and secured to studs with 1-5/8 in. wafer or hex head Type S steel screw through the center grommet. Furring channels are friction fitted into clips. RSIC-1 clip for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) clip for use with 2-23/32 in. wide furring channels.
PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-1 (2.75)

6B. **Framing Members* —** (Not Shown) — (Optional on one or both sides) — As an alternate to Item 6, furring channel and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4J, or 4L.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Ba) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.
PLITEQ INC — Type Genie Clip

6C. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4J, or 4L.

b. **Steel Framing Members* —** Used to attach furring channels (Item 6Ca) to studs. Clips spaced 48 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips.
STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237R

6D. **Steel Framing Members* —** (Optional, Not Shown) — Furring channels and Steel Framing Members as described below:

a. **Furring Channels —** Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 6Db. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire. Gypsum board attached to furring channels as described in Item 4. Not for use with Items 4F, 4J, or 4L.

b. **Steel Framing Members* —** UUsed to attach furring channels (Item 6Da) to studs. Clips spaced 48 in. OC, and secured to studs with No.8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips.
REGUPOL AMERICA — Type SonusClip

6E. **Steel Framing Members* —** (

TOTAL UNIT COUNT

TOTAL SLEEPING UNITS BED COUNT:	
SECOND FLOOR - STANDARD:	31
SECOND FLOOR - ADA:	4
SECOND FLOOR - GULF STUDIO 49:	2
TOTAL:	37

SPECIALTY UNIT BREAKDOWN

TOTAL DWELLING UNITS COUNT:		
SECOND FLOOR - STANDARD (2 BEDROOMS):	14	
SECOND FLOOR - STANDARD (3 BEDROOMS):	1	(GULF SUITE 43)
SECOND FLOOR - STUDIO (2 PERSON):	1	(GULF STUDIO 49)
SECOND FLOOR - ADA UNITS (2 BEDROOMS):	2	(GULF ADA SUITE 32 & 44)
TOTAL:	18	

OVERALL RENOVATION AREA

LEVEL	RENOVATION AREA
LEVEL 2 RENOVATION FLOOR AREA -	15,230 SF
LEVEL 2 EXISTING ELEVATOR & MECHANICAL CHASE / SHAFT AREA -	118 SF
LEVEL 2 OVERALL AREA -	15,348 SF

DCM APPLICABLE CODES & REGULATIONS

2021	INTERNATIONAL BUILDING CODE (IBC)
2021	INTERNATIONAL PLUMBING CODE (IPC)
2021	INTERNATIONAL MECHANICAL CODE (IMC)
2021	INTERNATIONAL FIRE CODE (IFC)
2020	NATIONAL ELECTRICAL CODE (NEC)
90.1-2013	ANSI/ASHRAE/IES STANDARD 90.1-2013 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS, WITH EXCEPTIONS PERMITTED TO: 6.5.1 - ECONOMIZERS 8.4.2 AUTOMATIC RECEPTACLE CONTROL 8.4.3 - ELECTRICAL ENERGY MONITORING
2010	ADA STANDARDS FOR ACCESSIBLE DESIGN
ICC 500-2020	ICC/NSSA STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS
2019	NATIONAL FIRE ALARM AND SIGNALING CODE (NFPA 72)

OCCUPANCY CLASSIFICATION — IBC CH 3

OCCUPANCY	PRIMARY : RESIDENTIAL R-2

SPECIAL REQUIREMENTS — IBC CH 4

DORMITORY. A SPACE IN A BUILDING WHERE GROUP SLEEPING ACCOMMODATIONS ARE PROVIDED IN ONE ROOM, OR IN A SERIES OF CLOSELY ASSOCIATED ROOMS, FOR PERSONS NOT MEMBERS OF THE SAME FAMILY GROUP, UNDER JOINT OCCUPANCY AND SINGLE MANAGEMENT, AS IN COLLEGE DORMITORIES OR FRATERNITY HOUSES.

DWELLING UNIT. A SINGLE UNIT PROVIDING COMPLETE , INDEPENDENT LIVING FACILITIES FOR ONE OR MORE PERSONS, INCLUDING PERMANENT PROVISIONS FOR LIVING, SLEEPING, EATING, COOKING AND SANITATION.

SLEEPING UNIT. A SINGLE UNIT THAT PROVIDES ROOMS OR SPACES FOR ONE OR MORE PERSONS, INCLUDES PERMANENT PROVISIONS FOR SLEEPING AND CAN INCLUDE PROVISIONS FOR LIVING, EATING AND EITHER SANITATION OR KITCHEN FACILITIES BUT NOT BOTH. SUCH ROOMS AND SPACES THAT ARE ALSO PART OF A DWELLING UNIT ARE NOT SLEEPING UNITS.

420.2 SEPARATION WALLS.
WALLS SEPARATING DWELLING UNITS IN THE SAME BUILDING, WALLS SEPARATING SLEEPING UNITS IN THE SAME BUILDING AND WALLS SEPARATING DWELLING OR SLEEPING UNIT FROM OTHER OCCUPANCIES CONTIGUOUS TO THEM IN THE SAME BUILDING SHALL BE CONSTRUCTED AS FIRE PARTITIONS IN ACCORDANCE WITH SECTION 708.

420.3 HORIZONTAL SEPARATION.
FLOOR ASSEMBLIES SEPARATING DWELLING UNITS IN THE SAME BUILDINGS, FLOOR ASSEMBLIES SEPARATING SLEEPING UNITS IN THE SAME BUILDING AND FLOOR ASSEMBLIES SEPARATING DWELLING OR SLEEPING UNITS FROM OTHER OCCUPANCIES CONTIGUOUS TO THEM IN THE SAME BUILDING SHALL BE CONSTRUCTED AS HORIZONTAL ASSEMBLIES IN ACCORDANCE WITH SECTION 711.

420.4 GROUP R OCCUPANCIES SHALL BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.2.8.

420.5 FIRE ALARM SYSTEMS AND SMOKE ALARMS SHALL BE PROVIDED IN GROUP R-2 OCCUPANCIES IN ACCORDANCE WITH SECTIONS 907.2.6, 907.2.8, 907.2.9, RESPECTIVELY.

CONSTRUCTION CLASSIFICATION — IBC CH 5

CONSTRUCTION TYPE	TYPE IIB - FULLY SPRINKLERED - EXISTING BUILDING	
HEIGHT	ALLOWABLE: 60 FEET	ACTUAL: 35'-6" EXISTING BUILDING
# OF STORIES	ALLOWABLE: 4	ACTUAL: 2 EXISTING BUILDING
AREA PER FLOOR	ALLOWABLE: 16,000 SF/STORY*	ACTUAL: 15,348 SF EXISTING BUILDING

*THE EXISTING BUILDING IS DESIGNED FOR AN AUTOMATIC SPRINKLER SYSTEM PER 903.3.1.1 NFPA 13 SPRINKLER SYSTEM.

AREA MODIFICATIONS : PER IBC CH 5, BUILDING AREAS LIMITED BY TABLE 503 SHALL BE PERMITTED TO BE INCREASED DUE TO FRONTAGE AND AUTOMATIC SPRINKLER SYSTEM PROTECTION

FIRE RESISTANCE - STRUCT. ELEMENTS — IBC CH 6

RESISTANCE REQUIRED BY IBC TYPE TABLE 601

CONSTRUCTION TYPE : IIB

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

FIRE RESISTANCE - WALLS / PARTITIONS — IBC CH 7

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

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

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

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

FIRE RESISTANCE - WALLS & PARTITIONS — IBC CH 7

WALLS AND PARTITIONS	IBC TBL. 716.5	OPENING PROTECTION	RATING	ACHIEVED BY
SHAFT ENCLOSURES				
* LESS THAN 4 STORIES	1 HR	1 HR	1 HR	UL #U415-A
FIRE BARRIERS	1 HR	1 HR	1 HR	UL #U905

FIRE RESISTANCE - HORIZONTAL ASSEMBLIES

	IBC	RESISTANCE PROVIDED	
		RATING	ACHIEVED BY
FLOOR/CEILING - SLEEPING UNITS/DWELLING UNITS HORIZONTAL ASSEMBLY PER 711.2.4.3 DWELLING UNITS AND SLEEPING UNITS.* **	1/2 HR	1 HR	UL #D916

*THE 1 HOUR MINIMUM HORIZONTAL ASSEMBLY IS EXISTING. ANY PENETRATIONS WILL BE REQUIRED TO KEEP THE UL #D916 1 HOUR HORIZONTAL ASSEMBLY REQUIREMENTS.
** NO PENETRATIONS WILL BE ALLOW THROUGH THE EXISTING 2 HOUR STORM SHELTER HORIZONTAL ASSEMBLY.

711.2.3 SUPPORTING CONSTRUCTION.

THE SUPPORTING CONSTRUCTION SHALL BE PROTECTED TO AFFORD THE REQUIRED FIRE-RESISTANCE RATING OF THE HORIZONTAL ASSEMBLY SUPPORTED.
EXCEPTION: IN BUILDINGS OF TYPE IIB, IIIB OR VB CONSTRUCTION, THE CONSTRUCTION SUPPORTING THE HORIZONTAL ASSEMBLY IS NOT REQUIRED TO BE FIRE-RESISTANCE RATED AT THE FOLLOWING:
1.HORIZONTAL ASSEMBLIES AT THE SEPARATIONS OF INCIDENTAL USES AS SPECIFIED BY TABLE 509.1 PROVIDED THAT THE REQUIRED FIRE-RESISTANCE RATING DOES NOT EXCEED 1 HOUR.
2.HORIZONTAL ASSEMBLIES AT THE SEPARATIONS OF DWELLING UNITS AND SLEEPING UNITS AS REQUIRED BY SECTION 420.3.
3.HORIZONTAL ASSEMBLIES AT SMOKE BARRIERS CONSTRUCTED IN ACCORDANCE WITH SECTION 709.

711.2.4.3 DWELLING UNITS AND SLEEPING UNITS.
HORIZONTAL ASSEMBLIES SERVING AS DWELLING OR SLEEPING UNIT SEPARATIONS IN ACCORDANCE WITH SECTION 420.3 SHALL BE NOT LESS THAN 1-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION.
EXCEPTION: HORIZONTAL ASSEMBLIES SEPARATING DWELLING UNITS AND SLEEPING UNITS SHALL BE NOT LESS THAN 1/2-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION IN A BUILDING OF TYPES IIB, IIIB AND VB CONSTRUCTION, WHERE THE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1.

Chapter 9 Fire Protection and Life Safety Systems

F] 907.2.9.3 GROUP R-2 COLLEGE AND UNIVERSITY BUILDINGS.

AN AUTOMATIC SMOKE DETECTION SYSTEM THAT ACTIVATES THE OCCUPANT NOTIFICATION SYSTEM IN ACCORDANCE WITH SECTION 907.5 SHALL BE INSTALLED IN GROUP R-2 OCCUPANCIES OPERATED BY A COLLEGE OR UNIVERSITY FOR STUDENT OR STAFF HOUSING IN ALL OF THE FOLLOWING LOCATIONS:
1.COMMON SPACES OUTSIDE OF DWELLING UNITS AND SLEEPING UNITS.
2.LAUNDRY ROOMS, MECHANICAL EQUIPMENT ROOMS AND STORAGE ROOMS.
3.ALL INTERIOR CORRIDORS SERVING SLEEPING UNITS OR DWELLING UNITS.
EXCEPTION: AN AUTOMATIC SMOKE DETECTION SYSTEM IS NOT REQUIRED IN BUILDINGS THAT DO NOT HAVE INTERIOR CORRIDORS SERVING SLEEPING UNITS OR DWELLING UNITS AND WHERE EACH SLEEPING UNIT OR DWELLING UNIT EITHER HAS A MEANS OF EGRESS DOOR OPENING DIRECTLY TO AN EXTERIOR EXIT ACCESS THAT LEADS DIRECTLY TO AN EXIT OR A MEANS OF EGRESS DOOR OPENING DIRECTLY TO AN EXIT.

REQUIRED SMOKE ALARMS IN DWELLING UNITS AND SLEEPING UNITS IN GROUP R-2 OCCUPANCIES OPERATED BY A COLLEGE OR UNIVERSITY FOR STUDENT OR STAFF HOUSING SHALL BE INTERCONNECTED WITH THE FIRE ALARM SYSTEM IN ACCORDANCE WITH NFPA 72.

MEANS OF EGRESS

MAXIMUM ALLOWABLE TRAVEL DISTANCE TO EXIT	R-2 250 FT EQUIPPED WITH SPRINKLER SYSTEM	
COMMON PATH OF TRAVEL	125 FT	
DEAD END LENGTH	50 FT	
EGRESS OCCUPANTS (DESIGN LOAD)	LEVEL 2: CALCULATION VALUES — OCCUPANCY COUNT LEVEL 2 TOTAL OCCUPANTS = 66 OCCUPANTS SEE OCCUPANT PER LOAD SCHEDULE FOR FURTHER BREAKDOWN	
SECOND FLOOR STAIRWAY WIDTH	REQUIRED: 0.3" PER OCCUPANT X 66 OCCUPANTS (SECOND FLOOR)= 19.8"	PROVIDED: 96" STAIR 1 : 48" STAIR 2: 48"
SECOND FLOOR EGRESS WIDTH	REQUIRED: 0.3" PER OCCUPANT X 66 OCCUPANTS = 19.8"	PROVIDED: 62" EXIT 4: 32" EXIT 5: 32"

OCCUPANT LOAD BY FLOOR AREA, NO SF/PERSON PRESETS

ROOM NAME	AREA	Square Feet per Person	OCCUPANT LOAD
ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	792 SF	300	2.64
DWELLING UNIT	12701 SF	200	63.50
NON-SIMULTANEOUS OCCUPANCY	1682 SF	0	0.00
Grand total: 13	15175 SF		66 (66.15)

1023.2 CONSTRUCTION.

ENCLOSURES FOR INTERIOR EXIT STAIRWAYS AND RAMPS SHALL BE CONSTRUCTED AS FIRE BARRIERS IN ACCORDANCE WITH SECTION 707 OR HORIZONTAL ASSEMBLIES CONSTRUCTED IN ACCORDANCE WITH SECTION 711, OR BOTH. INTERIOR EXIT STAIRWAY AND RAMP ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 2 HOURS WHERE CONNECTING FOUR STORIES OR MORE **AND NOT LESS THAN 1 HOUR WHERE CONNECTING LESS THAN FOUR STORIES.** THE NUMBER OF STORIES CONNECTED BY THE INTERIOR EXIT STAIRWAYS OR RAMPS SHALL INCLUDE ANY BASEMENTS, BUT NOT ANY MEZZANINES. ENCLOSURES FOR INTERIOR EXIT STAIRWAYS AND RAMPS SHALL HAVE A FIRE-RESISTANCE RATING NOT LESS THAN THE FLOOR ASSEMBLY PENETRATED, BUT NEED NOT EXCEED 2 HOURS...

1027.6 EXTERIOR EXIT STAIRWAY AND RAMP PROTECTION.

EXTERIOR EXIT STAIRWAYS AND RAMPS SHALL BE SEPARATED FROM THE INTERIOR OF THE BUILDING AS REQUIRED IN SECTION 1023.2. OPENINGS SHALL BE LIMITED TO THOSE NECESSARY FOR EGRESS FROM NORMALLY OCCUPIED SPACES. WHERE A VERTICAL PLANE PROJECTING FROM THE EDGE OF AN EXTERIOR EXIT STAIRWAY OR RAMP AND LANDINGS IS EXPOSED BY OTHER PARTS OF THE BUILDING AT AN ANGLE OF LESS THAN 180 DEGREES (3.14 RAD), THE EXTERIOR WALL SHALL BE RATED IN ACCORDANCE WITH SECTION 1023.7.

1019.3 OCCUPANCIES OTHER THAN GROUPS I-2 AND I-3.

IN OTHER THAN GROUP I-2 AND I-3 OCCUPANCIES, FLOOR OPENINGS CONTAINING EXIT ACCESS STAIRWAYS OR RAMPS SHALL BE ENCLOSED WITH A SHAFT ENCLOSURE CONSTRUCTED IN ACCORDANCE WITH SECTION 713.

EXCEPTIONS:
...
2. IN GROUP R-1, R-2 OR R-3 OCCUPANCIES, EXIT ACCESS STAIRWAYS AND RAMPS CONNECTING FOUR STORIES OR LESS SERVING AND CONTAINED WITHIN AN INDIVIDUAL DWELLING UNIT OR SLEEPING UNIT OR LIVE/WORK UNIT.
...
9. EXTERIOR EXIT ACCESS STAIRWAYS OR RAMPS BETWEEN OCCUPIED ROOFS.

PLUMBING FIXTURE TABULATIONS

OCCUPANCY		OCCUPANT LOAD	ACTUAL LOAD CALCULATIONS: WC M	WC F	WC U/SX	LAV M	LAV F	LAV U/SX	BATH/ SHOWER	DRINKING FOUNTAINS	SVC SINKS
			1 PER 10			1 PER 10			1 PER 8	1 PER 100	1 SERVICE SINK
R2- RESIDENTIAL		66 33.0 EA M F	-	-	6.6	-	-	6.6	8.25	0.66	
TOTAL	REQUIRED		-	-	7	-	-	7	8	1	1
	PROVIDED		-	-	19	-	-	19	19	0* **	1

*THE EXISTING BUILDING HAS 2 DRINKING FOUNTAINS LOCATED ON THE FIRST (1ST) FLOOR FOR THE BUILDING.
** EACH DWELLING UNIT HAS 1 KITCHEN SINK PER DWELLING UNIT AND 1 AUTOMATIC CLOTHES WASHER CONNECTION PER DWELLING UNIT.

"NOTE" PURSUANT TO ITEMS 3, 4, AND 5 OF ALABAMA BUILDING COMMISSION BULLETIN ISSUED JANUARY 2008, "THE BUILDING COMMISSION WILL PERMIT THE ARCHITECT TO CALCULATE THE ACTUAL OCCUPANT LOAD BASED ON THE PRIMARY DAY-TO-DAY FUNCTION OF THE SPACE FOR DETERMINING MINIMUM PLUMBING FIXTURES AND OTHER CODE REQUIREMENTS. GENERALLY, CAFETERIAS AND GYMNASIUMS SHALL BE BASED ON TABLE 1004.1.1, "ASSEMBLY WITHOUT FIXED SEATS, UNCONSECRATED".

IF THE ARCHITECT ELECTS TO USE THE EXCEPTION, THE ARCHITECT MUST SHOW BOTH THE DESIGN OCCUPANT LOAD AND THE ACTUAL OCCUPANT LOAD ON THE LIFE SAFETY PLAN SUBMITTED TO THE BUILDING COMMISSION FOR REVIEW.

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

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ISSUE | DATE
ISSUE FOR BID | 07/29/2026

DRAWN BY: KB
CHECKED BY: VR

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

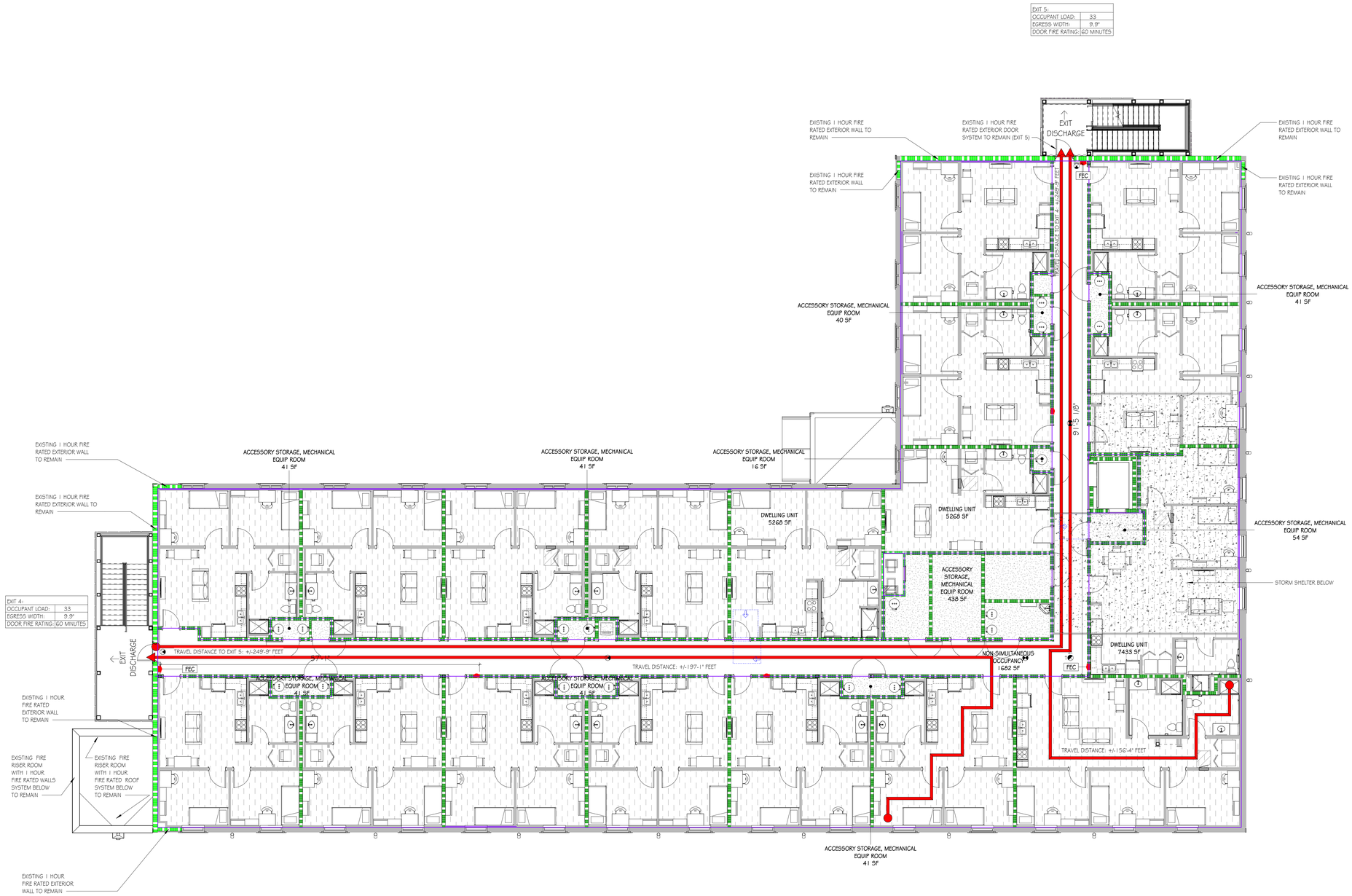
DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA
VIRGINIA BROOKE RODRIGUEZ
07/29/2026
7170
REGISTERED ARCHITECT

LIFE SAFETY - CODE ANALYSIS

G1.01

TEMPLATE VERSION: 2022.1



PLAN NORTH TRUE NORTH

1 LIFE SAFETY PLAN - LEVEL 2

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

LIFE SAFETY SIGNAGE LEGEND

SN1	EMERGENCY EVACUATION MAP SIGNAGE
SN2	DOOR WITH MANUAL CLOSURE SIGNAGE
SN3	OCCUPANCY COUNT SIGNAGE
SN4	STORM SHELTER DESIGN SIGNAGE
SN5	STORM SHELTER ACCESS SIGNAGE
SN6	STORM SHELTER ENTRANCE SIGNAGE
SN8	FIRST AID SIGNAGE
SN9	AUTOMATED EXTERNAL DEFIBRILLATOR DEVICE SIGNAGE
AID	FIRST AID KIT
AED	AUTOMATED EXTERNAL DEFIBRILLATOR DEVICE

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
MGA	MED GAS ALARM PANEL
	ILLUMINATED EXIT SIGN
60" EXIT DISCHARGE	EXIT DISCHARGE W/ CLEAR EXIT WIDTH (EXIT AND EXIT ACCESS SYMBOLS SIMILAR)
ACC	ADA ACCESSIBLE ROUTE
	DISTANCE OF TRAVEL
	1 - HR FIRE-SMOKE BARRIER
	1 - HR FIRE BARRIER
	2 - HR FIRE BARRIER
	KNOX BOX

OCCUPANCY LEGEND

- ACCESSORY STORAGE, MECHANICAL EQUIP ROOM
- DORMITORIES
- NON-SIMULTANEOUS OCCUPANCY

OCCUPANT LOAD BY FLOOR AREA, NO SF/PERSON PRESETS...

ROOM NAME	AREA	Square Feet per Person	OCCUPANT LOAD
ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	792 SF	300	2.64
DWELLING UNIT	12701 SF	200	63.50
NON-SIMULTANEOUS OCCUPANCY	1682 SF	0	0.00
Grand total: 13	15175 SF		66 (66.15)

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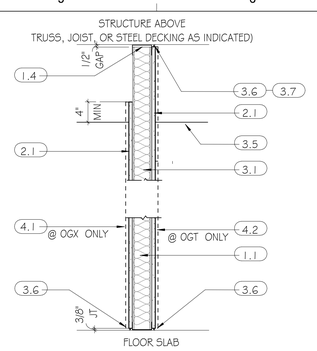
DCM# 2026138
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STATE OF ALABAMA
VIRGINIA BROOKE ROONEY
07/29/2026
7170
REGISTERED ARCHITECT

LIFE SAFETY PLAN - LEVEL 2

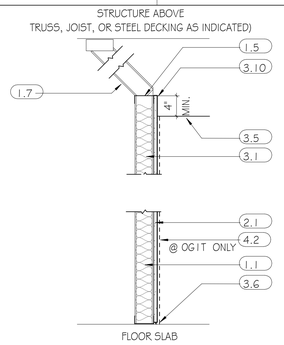
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TEMPLATE VERSION: 2022.1



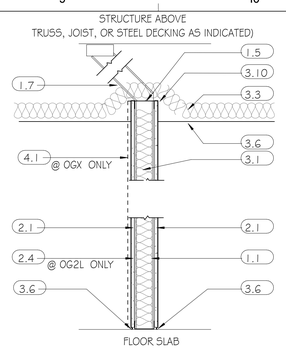
OG	0 HR. - GYPSUM
OGS	0 HR. - GYPSUM - SMOKE RESISTIVE
OGX	0 HR. - GYPSUM - XTRA LAYER GYP ONE SIDE
OGT	0 HR. - GYPSUM - WITH TILE

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



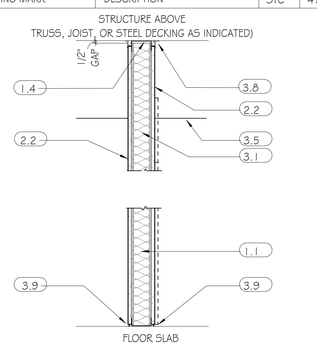
OG1	0 HR. - GYPSUM - 1 SIDED
OG1T	0 HR. - GYPSUM - 1 SIDED WITH TILE

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



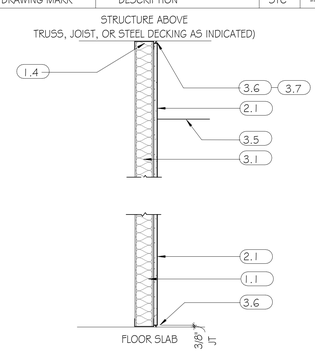
OG2	0 HR. - GYPSUM - 2 SIDED
OG2L	0 HR. - GYPSUM - 2 SIDED - LEAD LINED
OG2X	0 HR. - GYPSUM - 2 SIDED - XTRA LAYER GYP ONE SIDE

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



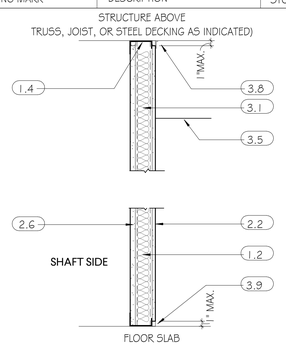
1G	1 HR. - GYPSUM
1GS	1 HR. - GYPSUM - SMOKE BARRIER

DRAWING MARK	DESCRIPTION	U.L. #	U465
		STC	49



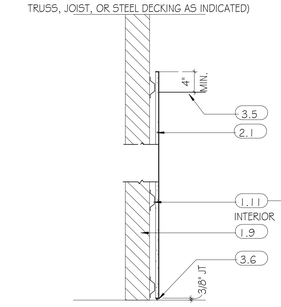
OG1D	0 HR. - GYPSUM - 1 SIDED TO DECK

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



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

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



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

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

GENERAL NOTES - PARTITIONS

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

IMPORTANT NOTE

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

NUMBERED NOTES

1.1 METAL STUDS 16" OC. DOUBLE-STUD JAMBS FULL HT. AT DOOR OPENINGS

1.2 SHAFTWALL STUDS 24" OC

1.3 PLUMBING CHASE. 1-5/8" METAL STUDS 16" OC IN TWO ROWS. WIDTH VARIES

1.4 DEFLECTION TRACK (0.0329" MTL. THICKNESS). MAINTAIN MIN. 1/2" STUD GAP

1.5 CONTINUOUS TOP TRACK (0.0329" METAL THICKNESS)

1.6 RESILIENT CHANNELS 24" OC VERTICAL

1.7 STUD BRACING MIN. 48 IN. OC (24" OC AT WALL-HUNG CABINETS)

1.8 STEEL STUD OR RUNNER BRACING, FULL WIDTH OF CAVITY, 48" OC VERT. MAX

1.9 NEW OR EXISTING SUBSTRATE

1.10 CMU (UL LISTED WHERE APPLICABLE). SEE STRUCTURAL FOR REINFORCING, LINTEL, AND TOP BRACING REQUIREMENTS

1.11 AT INTERIOR FURRING: 7/8 IN. HAT-SHAPED METAL FURRING

1.12 AT EXTERIOR (PERIMETER) FURRING: 2 IN. METAL Z-FURRING W/ MIN. R-8 BOARD INSUL.

2.1 ONE LAYER 5/8 IN. GYP. BD

2.2 ONE LAYER 5/8 IN. TYPE 'X' GYP. BD

2.3 TWO LAYERS 5/8 IN. TYPE 'X' GYP. BD

2.4 NOT USED

2.5 NOT USED

2.6 1 IN. THICK GYPSUM LINER PANEL

2.7 ONE LAYER 5/8 IN. TYPE 'X' GYP. BD. EACH SIDE (ABOVE CEILING)

2.8 TWO LAYERS 5/8 IN. TYPE 'X' GYP. BD. EACH SIDE (ABOVE CEILING)

2.9 & 2.10 NOT USED

2.11 ONE LAYER 5/8" TYPE 'X' GLASS-MAT BACKER BOARD WITH THIN-SET TILE UP TO CEILING. TRANSITION TO 5/8" TYPE 'X' MR GYP BOARD FROM ABOVE CEILING TO STRUCTURE ABOVE

2.12 ONE LAYER 5/8" TYPE 'X' MR GYP. BD. PLUS ONE LAYER 5/8" TYPE 'X' GLASS-MAT BACKER BOARD WITH THIN-SET TILE UP TO CEILING. TRANSITION TO 5/8" TYPE 'X' MR GYP BOARD FROM ABOVE CEILING TO STRUCTURE ABOVE

3.1 SOUND ATTENUATION BATT INSULATION. 3.5" THICK

3.2 SOUND ATTENUATION BATT INSULATION BOTH SIDES OF STUD CAVITY. 3.5" THICK

3.3 SOUND ATTENUATION BATT INSULATION. 3.5" THICK. DRAPE OVER & EXTEND 4 FT. EACH SIDE OF PARTITION

3.4 CEILING. SEE CEILING PLAN FOR TYPES / LOCATIONS

3.5 ACOUSTICAL CEILING PANELS. WHERE PANELS W/ COMBINED NRC/CAC RATINGS OF .70/35 (OR BETTER) ARE USED, DRAPED INSULATION MAY BE OMITTED

3.6 ACOUSTICAL SEALANT JOINT. PROVIDE CONT. BEAD UNDER EACH LAYER GYP BD

3.7 ACOUSTICAL SEALANT JOINT. AT FLUTED DECKS, COPE GYP. BD. TO UNDERSIDE OF DECK. FILL VOIDS W/ INSULATION. APPLY ACOUSTICAL SEALANT CONT. AT JOINT

3.8 UL LISTED FIRE-RESISTANCE RATED HW (HEAD OF WALL) JOINT

3.9 UL LISTED FIRE-RESISTANCE RATED BW (BOTTOM OF WALL) JOINT

3.10 EXTEND GYP BOARD TO TOP OF TRACK TO ESTABLISH A DRAFT STOP ASSEMBLY. CONDUIT TURNOUTS AND ELECTRICAL BOXES MUST STAND CLEAR OF MET. STUDS TO ALLOW FOR APPLICATION OF UNINTERRUPTED GYPSUM MEMBRANE

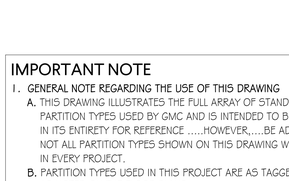
3.11 STEEL BENT PLATE END WALL SUPPORT. SEE JAMB/END POST DETAIL ON G1.22

3.12 WALL CAP. SEE DETAILS ELSEWHERE ON THESE DRAWINGS

4.1 INSTALL 2 LAYERS 5/8" GYP BOARD ON RADIOGRAPHY ROOM SIDE OF PARTITION (EXTEND 2ND LAYER UP TO 4" ABOVE CEILING)

4.2 3/8" WALL TILE + THINSET

PARTITION KEY



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

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

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

GMC
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11 North Water Street, Suite 19290
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ISSUE | DATE
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DRAWN BY: KB
CHECKED BY: VR

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

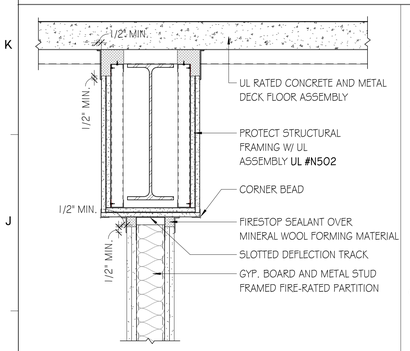
STATE OF ALABAMA
REGISTERED ARCHITECT
BROOKE RODRIGUEZ
7170
07/29/2026

PARTITION TYPES

G2.01

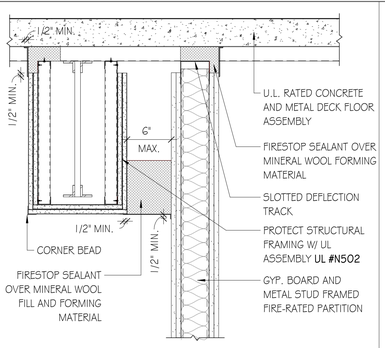
TEMPLATE VERSION: 2022.1

HEAD OF WALL FIRESTOPPING



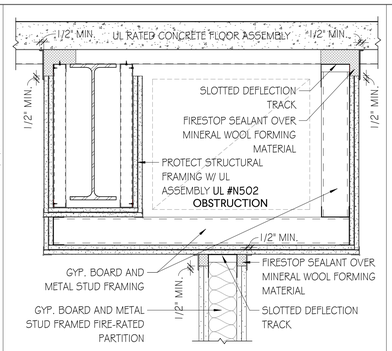
ENGINEERING JUDGEMENT (HILTI) #554953a
(1 & 2 HOUR, 2 1/2" WIDTH, 50% MOVEMENT)

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



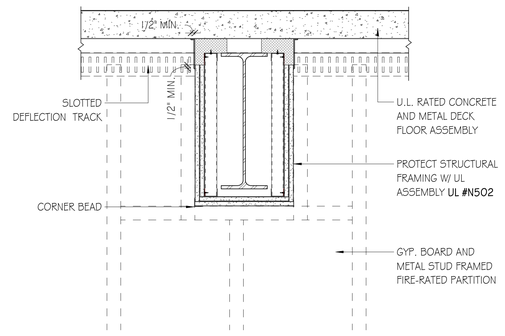
ENGINEERING JUDGEMENT (HILTI) #554890a
(1 & 2 HOUR, 2 1/2" WIDTH, 33% MOVEMENT)

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



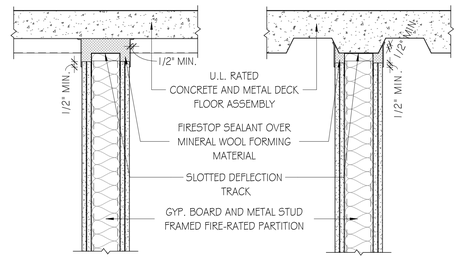
ENGINEERING JUDGEMENT (HILTI) #554946a
(1 & 2 HOUR, 2 1/2" WIDTH, 50% MOVEMENT)

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



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

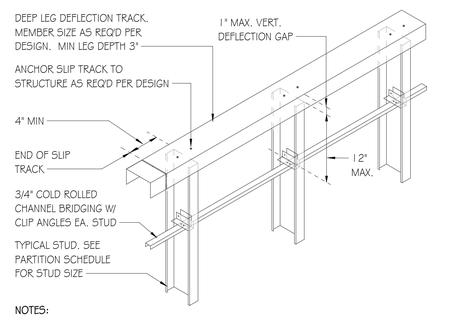
H7 WALL PERPENDICULAR TO BEAM
SCALE: 1 1/2" = 1'-0"



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

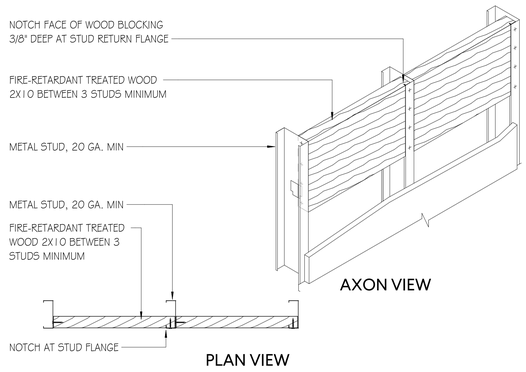
UL# HW-D-0049
(1 & 2 HOUR, 1" WIDTH, 50% MOVEMENT)

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



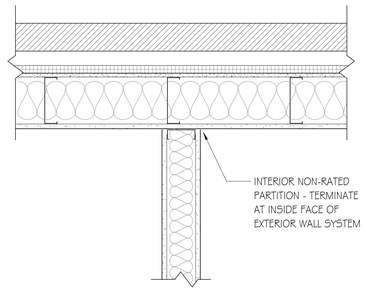
NOTES:
1. COMPLY WITH SPECIFICATION SECTION 092216 - NON-STRUCTURAL METAL FRAMING.
2. PROVIDE 3/4" CR CHANNEL BRIDGING AT 12" MAX. FROM TOP OF WALL.
3. PROVIDE ADDITIONAL 3/4" CR CHANNEL BRIDGING AT 48" OC VERT AT FULL HEIGHT ONE-SIDED PARTITIONS (GYP BOARD ONE SIDE ONLY), OR AS REQ'D PER DESIGN.

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

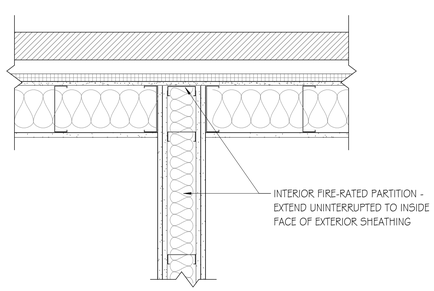


E10 BLOCKING DETAIL
SCALE: 1 1/2" = 1'-0"

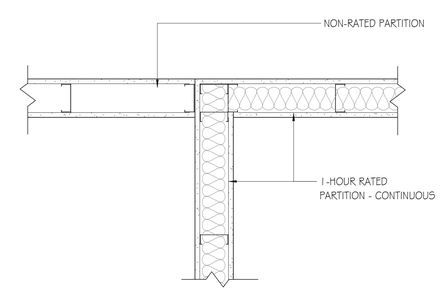
WALL PRIORITY DIAGRAMS



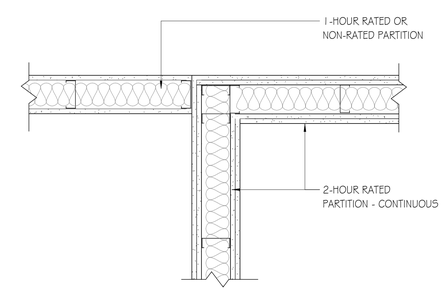
C1 NON-RATED PARTITION @ EXT. WALL
SCALE: 1 1/2" = 1'-0"



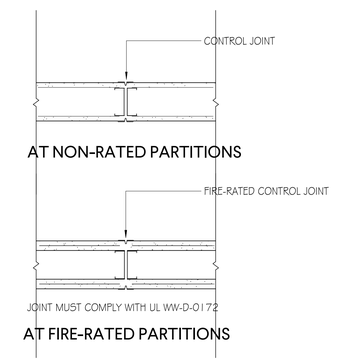
C4 RATED PARTITION @ EXT. WALL
SCALE: 1 1/2" = 1'-0"



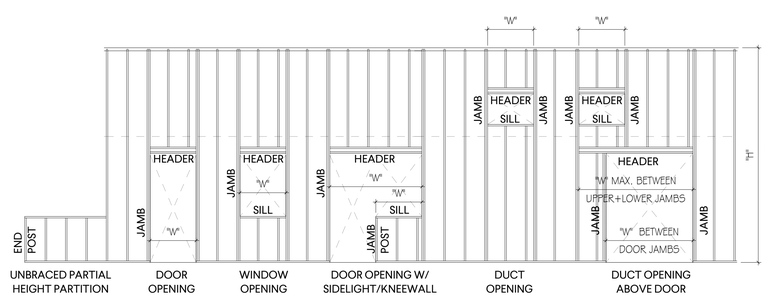
C7 PARTITION INTERSECTION 1
SCALE: 1 1/2" = 1'-0"



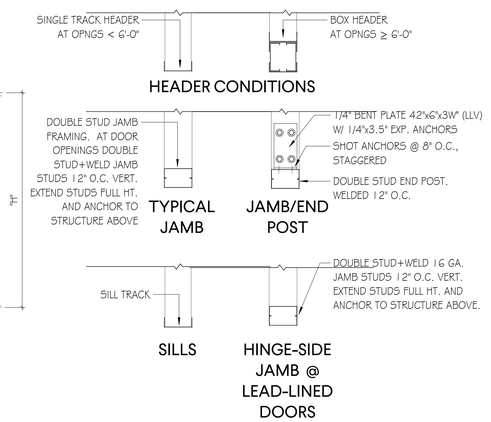
C10 PARTITION INTERSECTION 2
SCALE: 1 1/2" = 1'-0"



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



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



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

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

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

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DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA
REGISTERED ARCHITECT
VIRGINIA BROOKE RODRIGUEZ
7170
07/29/2026

PARTITION DETAILS

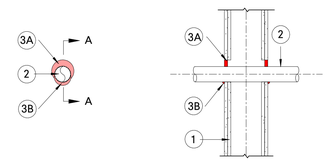
G2.02

TEMPLATE VERSION: 2022.1

SINGLE UNINSULATED METAL PIPE THRU GYPSUM BOARD PARTITION

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

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

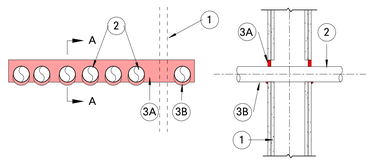


SECTION A-A

MULTIPLE PENETRATIONS THRU GYPSUM BOARD PARTITION

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

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

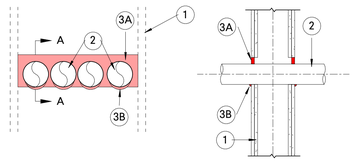


SECTION A-A

MULTIPLE PENETRATIONS THRU GYPSUM BOARD PARTITION

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

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

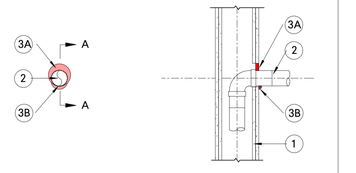


SECTION A-A

MEMBRANE PENETRATIONS THRU GYPSUM BOARD PARTITION

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

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

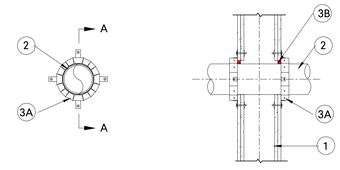


SECTION A-A

SINGLE NONMETALLIC PIPE THRU GYPSUM BOARD PARTITION

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

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

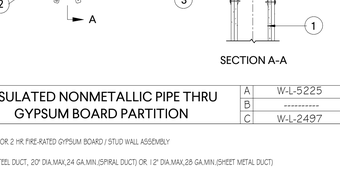


SECTION A-A

SINGLE NONMETALLIC PIPE THRU GYPSUM BOARD PARTITION

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

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

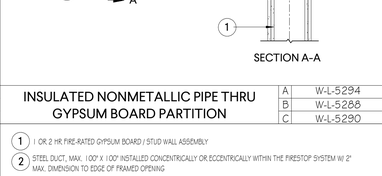


SECTION A-A

SINGLE NONMETALLIC PIPE THRU GYPSUM BOARD PARTITION

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

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

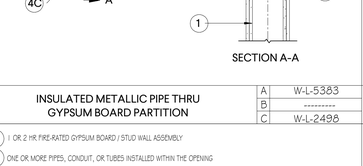


SECTION A-A

SINGLE NONMETALLIC PIPE THRU GYPSUM BOARD PARTITION

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

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

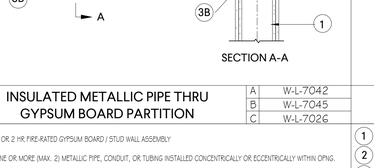


SECTION A-A

SINGLE OR BUNDLED CABLE THRU GYPSUM BOARD PARTITION

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

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

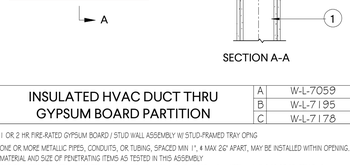


SECTION A-A

SINGLE OR BUNDLED CABLE THRU GYPSUM BOARD PARTITION

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

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



SECTION A-A

SINGLE OR BUNDLED CABLE THRU GYPSUM BOARD PARTITION

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

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

SECTION A-A

SINGLE OR BUNDLED CABLE THRU GYPSUM BOARD PARTITION

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

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

SECTION A-A

CABLE TRAY THRU GYPSUM PARTITION

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

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

SECTION A-A

INSULATED METAL PIPE THRU GYPSUM BOARD PARTITION

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

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

SECTION A-A

INSULATED METAL PIPE THRU GYPSUM BOARD PARTITION

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

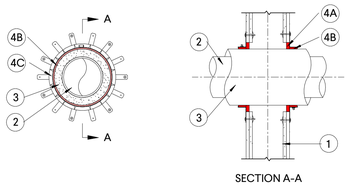
1 I OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
2 ONE OR MORE METALLIC PIPES, CONDUITS, OR TUBING, SPACED MIN 1", 4 MAX 26" APART, MAY BE INSTALLED WITHIN OPENING. MATERIAL AND SIZE OF PENETRATING ITEMS AS TESTED IN THIS ASSEMBLY
3 ONE OR MORE NONMETALLIC PENETRANTS MAY BE INCLUDED WITH THE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

SECTION A-A

INSULATED NONMETALLIC PIPE THRU GYPSUM BOARD PARTITION

A	W-L-5225
B	----------
C	W-L-2497

1 I OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
2 SINGLE NONMETALLIC PIPE, MAX. 4" DIA.
3 PIPE COVERING, NOM. 1-1/2" TH. HEAVY DENSITY GLASS FIBER, JACKETED
4 FIRESTOP SYSTEM TO CONSIST OF: **A)** FIRESTOP SEALANT IN ANNULAR SPACE MIN 5/8" TH TOOLED FLUSH W/ BOTH WALL SURFACES. **B)** INTUMESCENT WRAP STRIP. **C)** STEEL COLLAR, AS TESTED IN THIS ASSEMBLY.

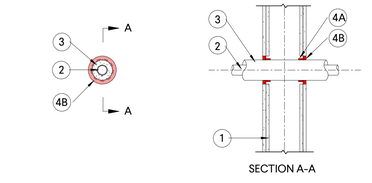


SECTION A-A

INSULATED NONMETALLIC PIPE THRU GYPSUM BOARD PARTITION

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

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

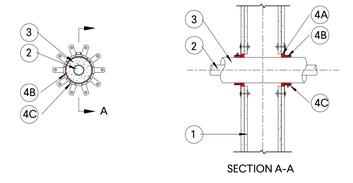


SECTION A-A

INSULATED METALLIC PIPE THRU GYPSUM BOARD PARTITION

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

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

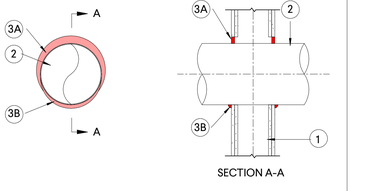


SECTION A-A

INSULATED METALLIC PIPE THRU GYPSUM BOARD PARTITION

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

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

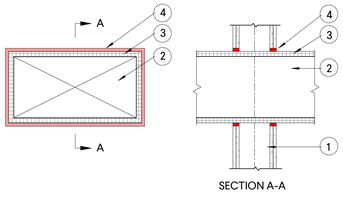


SECTION A-A

INSULATED HVAC DUCT THRU GYPSUM BOARD PARTITION

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

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



SECTION A-A

INSULATED HVAC DUCT THRU GYPSUM BOARD PARTITION

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

1 I OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
2 STEEL DUCT, 20" DIA.MAX.24 GA.MIN.(SPIRAL DUCT) OR 12" DIA.MAX.28 GA.MIN.(SHEET METAL DUCT)
3 DUCT INSULATION, NOM.1-1/2" OR 2" TH. GLASS FIBER, FOIL JACKETED. COMPRESS 50% @ ANNULAR SPACE SUCH THAT ANNULAR SPACE SHALL BE MIN. 1/2" TO MAX. 1-1/2"
4 FIRESTOP SEALANT MIN. 5/8" BEAD APPLIED AT POINT OF CONTACT LOCATION, TOOLED FLUSH W/ BOTH WALL SURFACES.

SECTION A-A

UNINSULATED HVAC DUCT THRU GYPSUM BOARD PARTITION

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

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

SECTION A-A

MULTIPLE PENETRATIONS THRU GYPSUM BOARD PARTITION

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

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

SECTION A-A

HVAC LINE SET THRU GYPSUM BOARD PARTITION

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

1 I OR 2 HR FIRE-RATED GYPSUM BOARD / STUD WALL ASSEMBLY
2 ONE OR MORE (MAX. 2) METALLIC PIPE, CONDUIT, OR TUBING INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN OPNG.
3 TUBE INSULATION (OPTIONAL) - 3/4" TH. MAX., OF TYPES AS TESTED IN THIS ASSEMBLY
4 CABLE - MAX. ONE 4-PAIR NO. 18 AWG CABLE W/ PVC INSULATION 4 JACKET
5 FIRESTOP SYSTEM TO CONSIST OF: **A)** FIRESTOP SEALANT IN ANNULAR SPACE MIN 5/8" TH TOOLED FLUSH W/ BOTH WALL SURFACES, **B)** FIRESTOP SEALANT MIN 1/2" BEAD APPLIED AT POINT OF CONTACT LOCATION.

SECTION A-A

MULTIPLE PENETRATIONS THRU GYPSUM WALL ASSEMBLY

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

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

SECTION A-A

KEY TO MANUFACTURERS

A	HILTI
B	3M
C	STI

GENERAL THRU-PENETRATION NOTES

1. GENERAL

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

2. APPLICABILITY

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

3. SLEEVING

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

4. QUALITY ASSURANCE

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

5. INSTALLATION - GENERAL

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

PRODUCT / MANUFACTURER LEGEND

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

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

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

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ISSUE DATE
ISSUE FOR BID 07/29/2026
DRAWN BY: KB
CHECKED BY: VR

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA
VIRGINIA BROOKE RODRIGUEZ
07/29/2026
7170
REGISTERED ARCHITECT

PENETRATION FIRESTOPPING - MET STUD WALLS

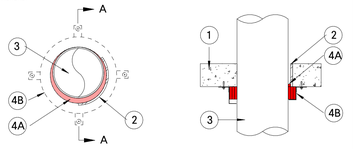
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TEMPLATE VERSION: 2022.1

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

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

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

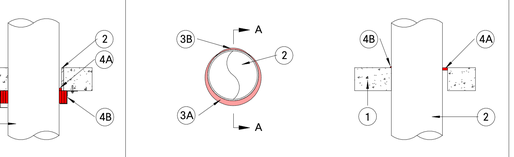


SECTION A-A

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

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

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

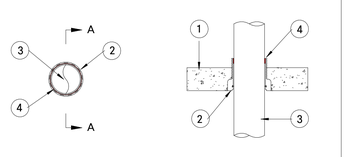


SECTION A-A

SINGLE UNINSULATED METAL PIPE THRU CONC OVER METAL FLOOR

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

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

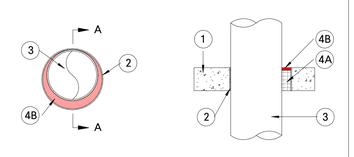


SECTION A-A

SINGLE NONMETALLIC PIPE THRU CONC FLOOR/WALL OR CMU WALL

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

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

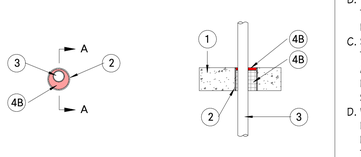


SECTION A-A

SINGLE NONMETALLIC PIPE THRU CONC FLOOR/WALL OR CMU WALL

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

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

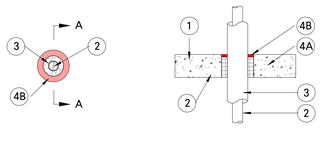


SECTION A-A

SINGLE NONMETALLIC PIPE THRU CONC FLOOR/WALL OR CMU WALL

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

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

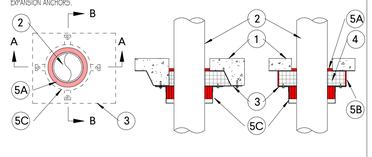


SECTION A-A

SINGLE NONMETALLIC PIPE THRU CONCRETE FLOOR OVER METAL DECK

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

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

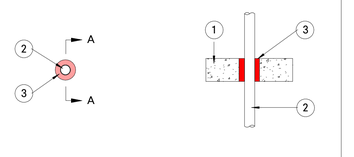


SECTION A-A SECTION B-B

SINGLE NONMETALLIC PIPE THRU CONCRETE FLOOR OVER METAL DECK

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

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

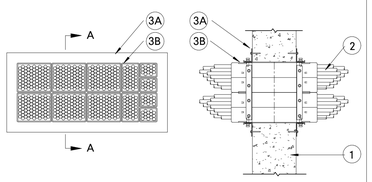


SECTION A-A

NONMETALLIC PIPE THRU CONCRETE FLOOR

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

1. 2 HR WALL ASSEMBLY: MIN 6" TH CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF UL CLASSIFIED CONCRETE BLOCK. OPNG. SIZE: MAX. 24-1/8" X 8-1/8".
2. BUNDLED CABLES (0 TO 100% VISUAL FILL)
3. FIRESTOP SYSTEM TO CONSIST OF: **A)** DEVICE FLANGE, RECTANGULAR ADJUSTABLE FLANGE SIZED TO FIT AROUND GANGED SLEEVES. SECURE TO BOTH SIDES OF WALL W/ 1-1/2" MASONRY SCREWS OR ANCHORS ALONG TOP 4 BOTTOM OF FLANGE. **B)** MODULAR RECTANGULAR STEEL FIRE SLEEVE DEVICE. ONE OR MORE DEVICES MAY BE GANGED TOGETHER. INSTALL PER MFGR'S INSTRUCTIONS.

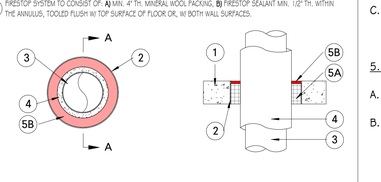


SECTION A-A

BUNDLED CABLE THRU CONC FLOOR/WALL OR CMU WALL

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

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

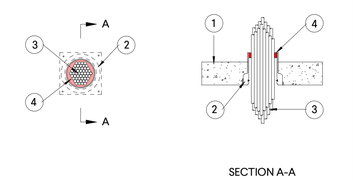


SECTION A-A

SINGLE OR BUNDLED CABLE THRU CONC OVER METAL FLOOR

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

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

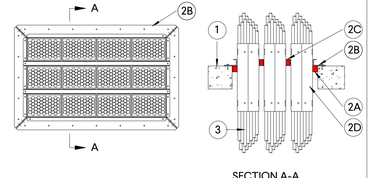


SECTION A-A

SINGLE OR BUNDLED CABLE THRU CONCRETE FLOOR

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

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

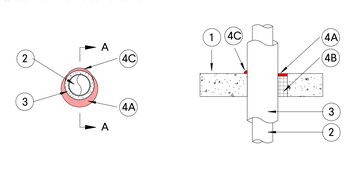


SECTION A-A

SINGLE OR BUNDLED CABLE THRU CONCRETE WALL

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

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

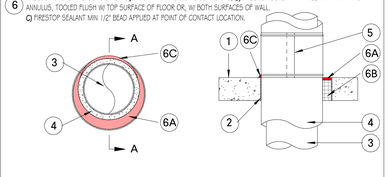


SECTION A-A

SINGLE OR BUNDLED CABLE THRU CONCRETE WALL

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

1. 2 HR FLOOR OR WALL ASSEMBLY - MIN. 2-1/2" TH. CONCRETE FLOOR OR WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX DIA. OF OPNG IS 20-5/8".
2. METAL SLEEVE (OPTIONAL) - MAX. 20" DIA STEEL PIPE, FLUSH W/ FLOOR OR WALL SURFACES.
3. SINGLE METALLIC PIPE OR TUBING, INSTALLED WITHIN FIRESTOP SYSTEM. MAX 12" DIA. (STEEL), MAX 6" DIA. (COPPER).
4. PIPE INSULATION - MIN 1-1/2" TH, MAX 3" TH, CELLULAR GLASS INSULATION. ANNULAR SPACE WITHIN FIRESTOP SYSTEM: MIN. 0", MAX. 3/16".
5. METAL JACKET - MIN 1/2" LONG FORMED OF 0.010" TH. STEEL OR ALUM SHEET W/ MIN. 2" LAP. SECURE W/ SSTL HOSE CLAMPS
6. FIRESTOP SYSTEM TO CONSIST OF: **A)** MIN. 4" TH MINERAL WOOL PACKING, **B)** FIRESTOP SEALANT MIN 1/2" TH WITHIN THE ANNULUS, TOOLED FLUSH W/ TOP SURFACE OF FLOOR OR, W/ BOTH SURFACES OF WALL. **C)** FIRESTOP SEALANT MIN 1/2" BEAD APPLIED AT POINT OF CONTACT LOCATION.

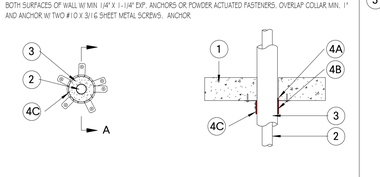


SECTION A-A

SINGLE OR BUNDLED CABLE THRU CONCRETE WALL

A	C-AJ-3158

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

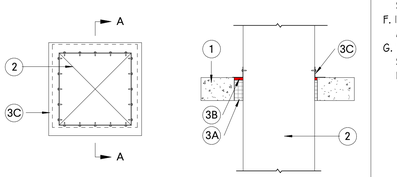


SECTION A-A

INSULATED METAL PIPE THRU CONC FLOOR/WALL OR CMU WALL

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

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

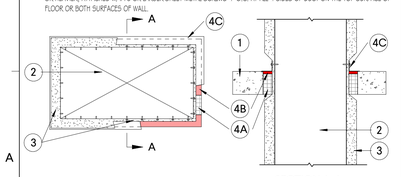


SECTION A-A

INSULATED METAL PIPE THRU CONC FLOOR/WALL OR CMU WALL

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

1. 2 HR FLOOR OR WALL ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR OR WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX AREA OF OPNG IS 17.5 SQ.FT. W. MAX DIMENSION OF 64".
2. STEEL DUCT, MAX 60" X 30" X GAUGE IN CONFORMANCE W/ SMACNA RECTMTL INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN FIRESTOP SYSTEM. ANNULAR SPACE TO BE MIN 2", MAX 6" (WHEN DUCT DIMENSION IS 28"), OTHERWISE, MAX. 2-1/2".
3. BATTS & BLANKETS - NOM 2" TH LIGHT DENSITY GLASS FIBER BLANKETS, FOIL-JACKETED. NOM 1/2" MAX ANNULAR SPACE BETWEEN INSULATED DUCT & POINT OF CONTACT AT PERIPHERY OF OPNG OR, MAX 4" WHEN MAX DUCT DIMENSION IS 28".
4. FIRESTOP SYSTEM TO CONSIST OF: **A)** MIN. 4" TH. MINERAL WOOL PACKING, **B)** FIRESTOP SEALANT MIN. 1/2" TH. WITHIN THE ANNULUS, FLUSH W/ TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL. **C)** STEEL RETAINING ANGLES, NOM. 2" X 2" X 1G GA OR HEAVIER, ATTACHED W/ #10 OR LARGER SHEET METAL SCREWS 4" O.C. AT ALL 4 SIDES OF DUCT ON THE TOP SURFACE OF FLOOR OR BOTH SURFACES OF WALL.

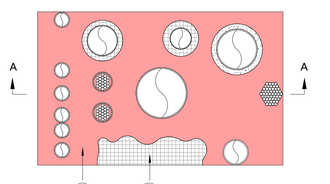


SECTION A-A

INSULATED METAL PIPE THRU CONC FLOOR/WALL OR CMU WALL

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

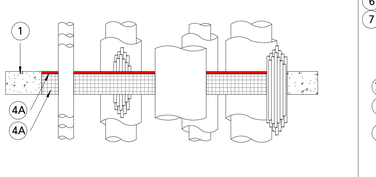
1. 2 HR FLOOR OR WALL ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR OR WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX AREA OF OPNG IS 1440 SQ.IN. W. MAX DIMENSION OF 48".
2. THRU PENETRANTS - ANY COMBINATION OF THE FOLLOWING: ONE CABLE TRAY OR ANY NUMBER OF METALLIC OR NONMETALLIC PIPES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



INSULATED NONMETALLIC PIPE THRU CONC FLOOR/WALL OR CMU WALL

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

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

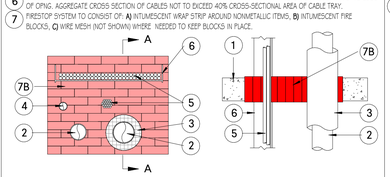


SECTION A-A

INSULATED METAL PIPE THRU CONCRETE FLOOR

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

1. 2 OR 3 HR FLOOR OR WALL ASSEMBLY - MIN. 4-1/2" TH. CONCRETE FLOOR OR WALL. WALLS MAY ALSO BE OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX AREA OF OPNG IS 17.5 SQ.FT. W. MAX DIMENSION OF 64".
2. ONE OR MORE METALLIC PIPES, CONDUITS, OR TUBES. MIN 0" ANNULAR SPACE TO EDGE OPNG. MIN 4" ANNULAR SPACE BETWEEN PIPES AND ANY OTHER PENETRANTS. MATERIAL AND SIZE OF PENETRATING ITEMS AS TESTED IN THIS ASSEMBLY.
3. PIPE INSUL (OPTIONAL) AT ONE OR MORE METALLIC PIPES. MAINTAIN MIN 3" TO OTHER INSUL ITEMS, MIN. 4" TO ANY OTHER ITEM AND 1" TO EDGE OF OPENING.
4. NONMETALLIC PENETRANTS - ONE OR MORE NONMETALLIC PIPES OR CONDUITS MAY BE INSTALLED WITHIN THE OPNG. MAINTAIN MIN 3" TO OTHER NONMETALLIC ITEMS AND 4" TO ANY OTHER ITEMS.
5. CABLES - ONE OR MORE TIGHT BUNDLES. MAX 4" DIA. MAINTAIN 4 CLEARANCE FROM OTHER ITEMS, 1" FROM EDGE OF OPNG.
6. CABLE TRAY, MAX 24"W X 4"DP OR, MAX 18"W X 6"DP IF OPEN-LADDER TYPE. MAINTAIN MIN 4" TO OTHER ITEMS, MIN 0" TO EDGE OF OPNG. AGGREGATE CROSS SECTION OF CABLES NOT TO EXCEED 40% CROSS-SECTIONAL AREA OF CABLE TRAY.
7. FIRESTOP SYSTEM TO CONSIST OF: **A)** INTUMESCENT WRAP STRIP AROUND NONMETALLIC ITEMS, **B)** INTUMESCENT FIRE BLOCKS, **C)** WIRE MESH (NOT SHOWN) WHERE NEEDED TO KEEP BLOCKS IN PLACE.

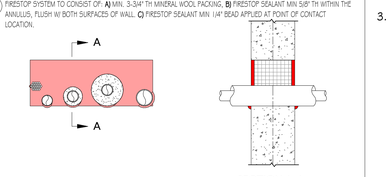


SECTION A-A

UNINSULATED HVAC DUCT THRU CONC FLOOR/WALL OR CMU WALL

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

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



SECTION A-A

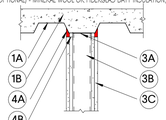
MULTIPLE PENETRATIONS THRU CONC FLOOR/WALL OR CMU WALL

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

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

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

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

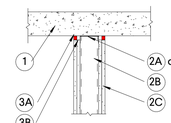


SECTION A-A

GYPSUM STUD WALL TO CONCRETE OVER FLUTED METAL DECK FLOOR ASSEMBLY W/APPLIED SEALANT JOINT (OR TO ALTERNATE METAL DECK ROOF ASSY)	A	HW-D-0184
	B	HW-D-0486
	C	HW-D-0205

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

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

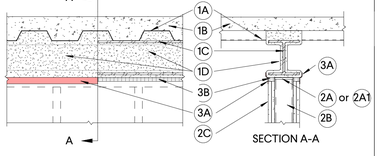


SECTION A-A

GYPSUM STUD WALL TO CONCRETE FLOOR ASSEMBLY W/APPLIED SEALANT JOINT	A	HW-D-0209
	B	HW-D-0134
	C	HW-D-0483

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

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

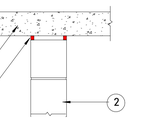


SECTION A-A

GYPSUM STUD WALL CENTERED & PARALLEL TO STEEL BEAM W/SFRM & APPLIED SEALANT	A	HW-D-0259
	B	HW-D-0252
	C	HW-D-0465

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

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

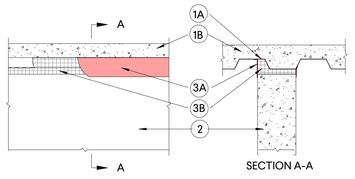


SECTION A-A

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

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

1) FLOOR ASSEMBLY - FIRE-RATED FLUTED STEEL DECK/CONCRETE FLOOR ASSEMBLY CONSISTING OF:
   A) STEEL FLOOR AND FORM UNITS, MAX 3" DP GALV STEEL FLUTED DECKING
   B) CONCRETE - MIN 2-1/2" TH REINFORCED STRUCTURAL CONCRETE AS MEASURED FROM THE TOP PLANE OF THE FLUTES.
2) WALL ASSEMBLY - MIN 8" TH REINFORCED STRUCTURAL CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS. MAX SEPARATION BETWEEN BOTTOM OF FLOOR ASSEMBLY AND TOP OF WALL IS MAX 1".
3) **A)** FIRESTOP SEALANT SPRAY MIN 1/16" TH (DRY THICKNESS) OVER FORMING MATERIAL. OVERLAP CONCRETE WALL AND STEEL DECK MIN 1/2" ON BOTH SIDES OF WALL.
   B) FORMING MATERIAL - MINERAL WOOL PACKED FULL DEPTH AND FLUSH W/BOTH WALL SURFACES.

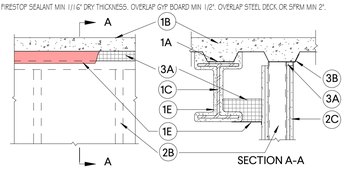


SECTION A-A

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

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

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

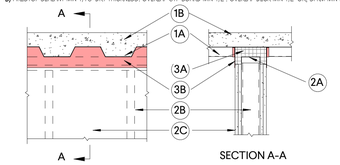


SECTION A-A

GYPSUM STUD WALL PERPENDICULAR TO CONCRETE OVER FLUTED METAL DECK (MAX. JW 3/4")	A	HW-D-0386
	B	HW-D-0377
	C	HW-D-0384

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

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

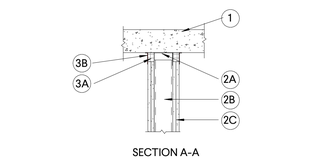


SECTION A-A

GYPSUM STUD WALL PERPENDICULAR TO CONCRETE OVER FLUTED METAL DECK (MAX. JW 1-1/2")	A	HW-D-0538
	B	HW-D-0043
	C	HW-D-0604

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

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

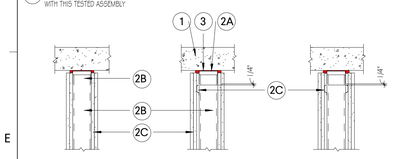


SECTION A-A

GYPSUM STUD WALL TO CONCRETE FLOOR (MAX. JW 1-1/2")	A	HW-D-0540
	B	HW-D-0031
	C	HW-D-0043

GYPSUM STUD WALL TO CONCRETE FLOOR W/APPLIED SEALANT JOINT

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

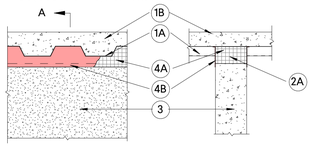


CONFIGURATION A CONFIGURATION B CONFIGURATION C

GYPSUM STUD WALL TO CONCRETE FLOOR W/APPLIED SEALANT JOINT	A	BW-S-0002
	B	BW-S-0007
	C	BW-S-0003

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

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

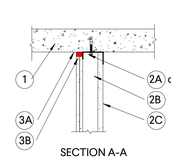


A SECTION A-A

GYPSUM SHAFT WALL TO FLAT CONCRETE FLOOR W/ INTUMESCENT TOP TRACK SEAL	A	HW-D-0824
	B	HW-D-0552
	C	N/A

GYPSUM STUD WALL TO CONCRETE FLOOR W/APPLIED SEALANT JOINT

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

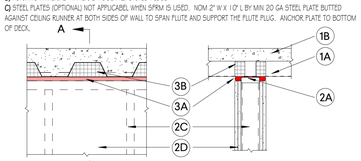


SECTION A-A

GYPSUM STUD WALL TO CONCRETE FLOOR W/APPLIED SEALANT JOINT	A	HW-D-0342
	B	HW-D-0052
	C	HW-D-0465

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

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

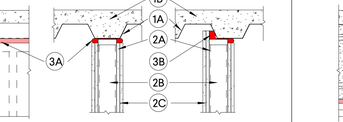


SECTION A-A

GYPSUM STUD WALL TO CONCRETE FLOOR W/INTUMESCENT BOTTOM TRACK SEAL	A	BW-S-0068
	B	BW-S-0008
	C	BW-S-0028

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

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



SECTION A-A

GYPSUM SHAFT WALL TO CONCRETE FLOOR W/INTUMESCENT BOTTOM TRACK SEAL	A	BW-S-0070
	B	N/A
	C	BW-S-0029

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

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

SECTION A-A

GYPSUM STUD WALL PARALLEL TO CONCRETE OVER FLUTED METAL DECK W/ INTUMESCENT TOP TRACK SEAL	A	HW-D-0871
	B	HW-D-0973
	C	HW-D-0031

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

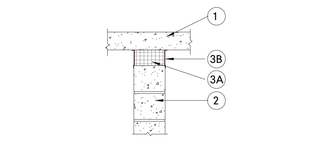
1) FLOOR ASSEMBLY - MIN 2-1/2" TH REINFORCED STRUCTURAL CONCRETE
2) WALL ASSEMBLY - 1 OR 2 HR FIRE-RATED GYPSUM BOARD/STEEL STUD SHAFT WALL ASSEMBLY INCLUDING:
   A) STEEL FLOOR AND CEILING RUNNERS, MIN 24 GA GALV STEEL J-SHAPED CHANNELS W/ UNEQUAL LEGS MIN 1-1/4" AND 2".
   B) STEEL STUDS, MIN 24 GA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

SECTION A-A

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

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

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

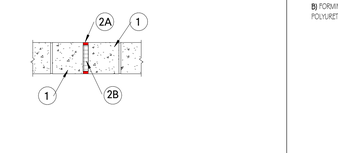


SECTION A-A

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

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

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



SECTION A-A

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

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

1) CONCRETE WALL ASSEMBLY - MIN 4-1/2" TH REINFORCED STRUCTURAL CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS.
2) GYPSUM WALL ASSEMBLY - TH

EXISTING FIRE HYDRANT

FUEL

EP

TP

EXISTING TWO STORY BUILDING

MONUMENT
BASR-2

IMAGINARY PROPERTY LINE

EXISTING CONCRETE SIDEWALK

EXISTING CONCRETE STAIR 3 TO REMAIN

EXISTING CONCRETE PATIO AREA

EXISTING EXTERIOR ELECTRICAL LIGHT POLES TO REMAIN

EXISTING EXIT STAIR AND LANDING TO REMAIN

EXISTING CONCRETE SIDEWALK

EXISTING CONCRETE CURB

APPROXIMATE LOCATION OF EXISTING WATER LINE

EXISTING FIRE HYDRANT WITH 4 BOLLARDS - COORDINATE WITH CIVIL

EXISTING CONCRETE RAMP TO REMAIN

ADA

EXISTING CONCRETE STAIR 3 TO REMAIN

RAMP

LANDING

RAMP

PLANTER

SLOPE

SLOPE

DN

EXISTING FENCE

EXISTING ANODIZED ALUMINUM 1-1/2" DIA. GUARDRAILS PER H3\A5.4 I FOR LANDING

EXISTING CONCRETE STAIR 1 TO REMAIN

EXISTING DOUBLE CHECK BACK FLOW PREVENTER AND 6 BOLLARDS TO REMAIN

NEW CONCRETE SIDEWALK

EXISTING CONCRETE CURB

EXISTING 48" WIDE EGRESS CONCRETE STAIR 4 LANDING

EXISTING SEWER LINE INTO BUILDING

EXISTING EXIT STAIR AND LANDING TO REMAIN

EXISTING TWO STORY BUILDING
FINISH FLOOR ELEVATION= 11.0 FEET

EXISTING TAMPER AND FLOW SWITCH MONITOR MODULE AT THE BACKFLOW PREVENTER TO REMAIN

CONCRETE STAIR 4 WITH ANODIZED ALUMINUM 1-1/2" DIA. GUARDRAILS AND HANDRAILS PER H3\A5.4 I

EXISTING 3" DOMESTIC COLD WATER SERVICE TO REMAIN

PROVIDE ANODIZED ALUMINUM 1-1/2" DIA. GUARDRAILS PER H3\A5.4 I FOR LANDING

EXISTING FIRE PROTECTION WATER SERVICE LINE TO REMAIN

IMAGINARY PROPERTY LINE

IMAGINARY PROPERTY LINE

EXISTING RETAINING WALL - COORDINATE WITH CIVIL

ZONE "X" SHADED

ZONE "X"

IMAGINARY PROPERTY LINE

EXISTING RETAINING WALL

EXISTING FENCE TO REMAIN

ELECTRICAL GENERATOR ON CONCRETE PEDESTAL - COORDINATE WITH ELECTRICAL

NEW ELECTRICAL TRANSFORMER; COORDINATE WITH ELECTRICAL

PLAN NORTH

TRUE NORTH

1 EXISTING SITE PLAN
SCALE: 1" = 10'-0"

INTERIOR RENOVATION GENERAL NOTES:

1. THE DCM#20240427 NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS BUILDING IS CURRENTLY UNDER CONSTRUCTION.
2. THE DCM#20240427 NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS SITE PLAN IS ATTACHED FOR REFERENCE ONLY .
3. THE SECOND FLOOR FIT-OUT IS AN INTERIOR RENOVATION.

GMC

Goodwyn Mills Cawood, LLC
11 North Water Street, Suite 19290
Mobile, AL 36602
T 251.460.4006
GMCNETWORK.COM

ISSUE	DATE
ISSUE FOR BID	07/29/2026

DRAWN BY: EH, KB
CHECKED BY: VR

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

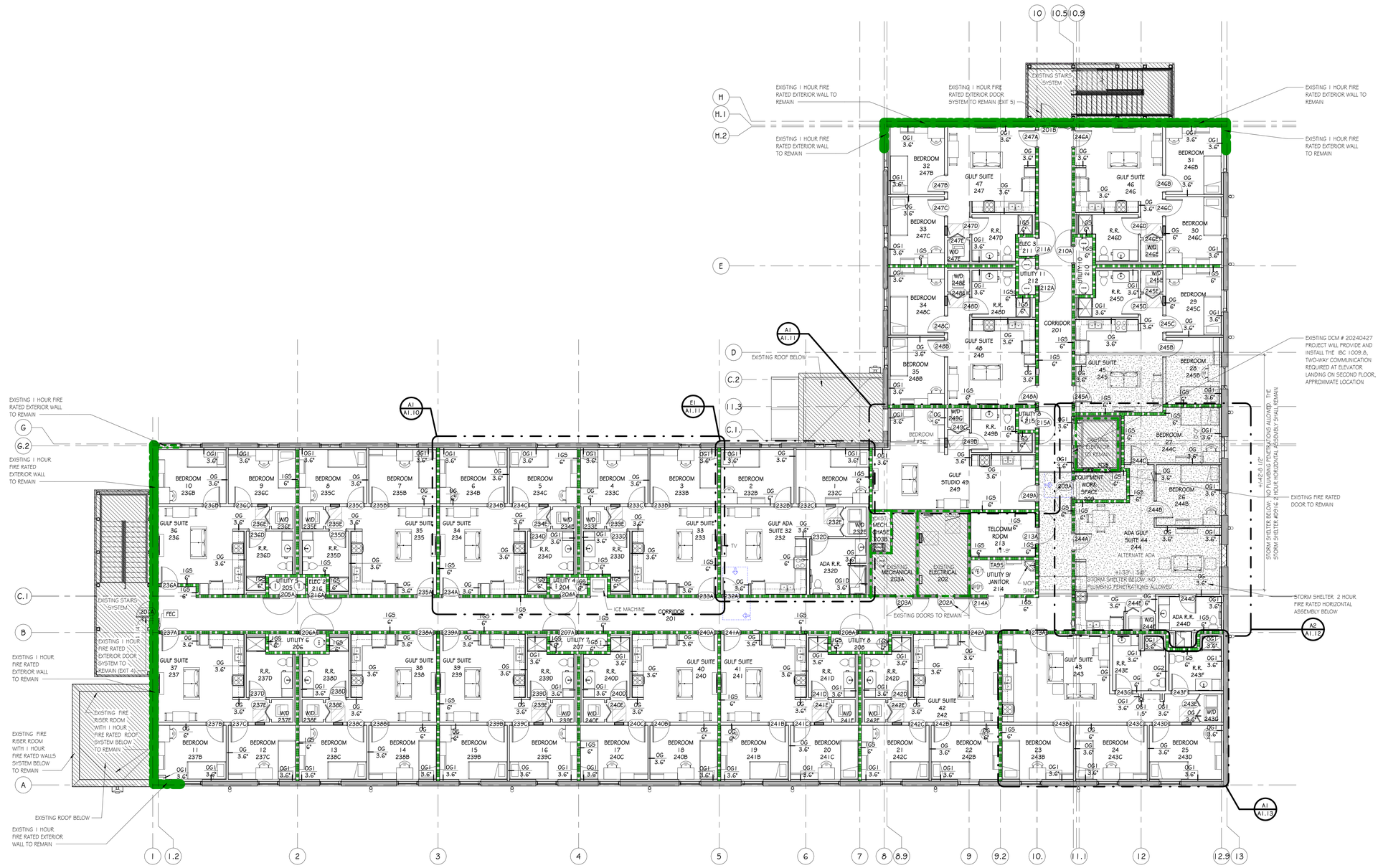
DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA
VIRGINIA BROOKE RODRIGUEZ
07/29/2026
7170
REGISTERED ARCHITECT

EXISTING SITE PLAN

A0.10

TEMPLATE VERSION: 2022.1



PLAN NORTH TRUE NORTH

1 SECOND FLOOR INTERIOR FIT-OUT - SYMBOL PLAN

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

PLAN LEGEND:

- EXISTING WALLS AND WINDOWS TO REMAIN
- EXISTING AREA TO REMAIN (SCOPE IN DCM#20240427 PROJECT)
- STORM SHELTER 2-HOUR FIRE RATED HORIZONTAL ASSEMBLY OUTLINE BELOW (SCOPE IN DCM#20240427 PROJECT)
- ELECTRICAL PANEL, RE: ELECTRICAL

GENERAL NOTES:

1. THE DCM #20240427 NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS BUILDING IS CURRENTLY UNDER CONSTRUCTION.
2. THE SECOND FLOOR FIT-OUT IS AN INTERIOR RENOVATION.
3. FURNITURE SHOWN FOR REFERENCE ONLY. NOT IN CONTRACT.
4. REFER TO FINISH LEGEND FOR PAINT COLORS CALLED OUT ON REFLECTED CEILING PLANS AND FINISH PLANS.
5. UNLESS OTHERWISE NOTED, ALL FLOOR TILE SHALL BE CENTERED IN ROOM.
6. UNLESS OTHERWISE NOTED, ALL CEILING GRID AND LIGHT FIXTURES SHALL BE CENTERED IN ROOM/ OPENING.
7. CONTRACTOR TO REVIEW WITH ARCHITECT, ON SITE, AREAS WITH MULTIPLE CEILING , WALL AND FLOOR FINISHES BEFORE FINISH WORK BEGINS.
8. REFER TO RCP LEGEND ON OVERALL REFLECTED CEILING PLANS FOR RCP ABBREVIATIONS AND FINISHES.
9. WALL TILE AND BASE GROUT LINES SHALL ALIGN WITH FLOOR TILE.
10. PROVIDED BLOCKING FOR GRAB BARS AND TOILET ACCESSORIES IN RESTROOMS.
11. CONTRACTOR SHALL PROVIDED AND INSTALL METAL STUD FURRING OR STUDS IN DEPTHS NECESSARY TO ACCOMMODATE ELECTRICAL BOXES ON EXTERIOR WALLS WERE THEY OCCUR.
12. ALL EXISTING FIRE RATED WALL PARTITIONS AND EXTERIOR WALL RATINGS SHALL REMAIN IN PLACE. ANY NEW PENETRATIONS WILL REQUIRE THE SAME MINIMUM WALL FIRE RATING AND FIRE STOPPING.
13. SUITE 44, SUITE 45 AND PARTIAL CORRIDOR SOUTH OF ELEVATOR ARE LOCATED ABOVE THE EXISTING 2 HOUR FIRE RATED STORM SHELTER. THE EXISTING STORM SHELTER TWO (2) HOUR FIRE RATED UL#D916 HORIZONTAL FLOOR/ROOF ASSEMBLY SHALL REMAIN IN PLACE. NO PENETRATIONS ARE ALLOWED ARE IN THE EXISTING STORM SHELTER AREA.
14. THE EXISTING FLOOR / CEILING ASSEMBLY SHALL KEEP THE EXISTING UL#D916 ONE (1) HOUR HORIZONTAL ASSEMBLY RATING . THE EXISTING FLOOR/CEILING ASSEMBLY MAIN COMPONENTS ARE THE 1-1/2" METAL FORM DECK, 2-5/8" LIGHTWEIGHT CONCRETE, AND SPRAY APPLIED FIRE RESISTIVE MATERIALS OVER STEEL STRUCTURAL FRAMING. THE ALL NEW PENETRATIONS SHALL MEET THE UL #D916 ONE (1) HOUR MINIMUM FIRE RATING REQUIREMENTS.
15. EXISTING STRUCTURE SHALL REMAIN IN PLACE. THE NEW INTERIOR METAL STUD WALLS FRAMING WILL REQUIRE WORKING AROUND THE EXISTING ROOF JOIST FRAMING TO ATTACH TO ROOF DECK.

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SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

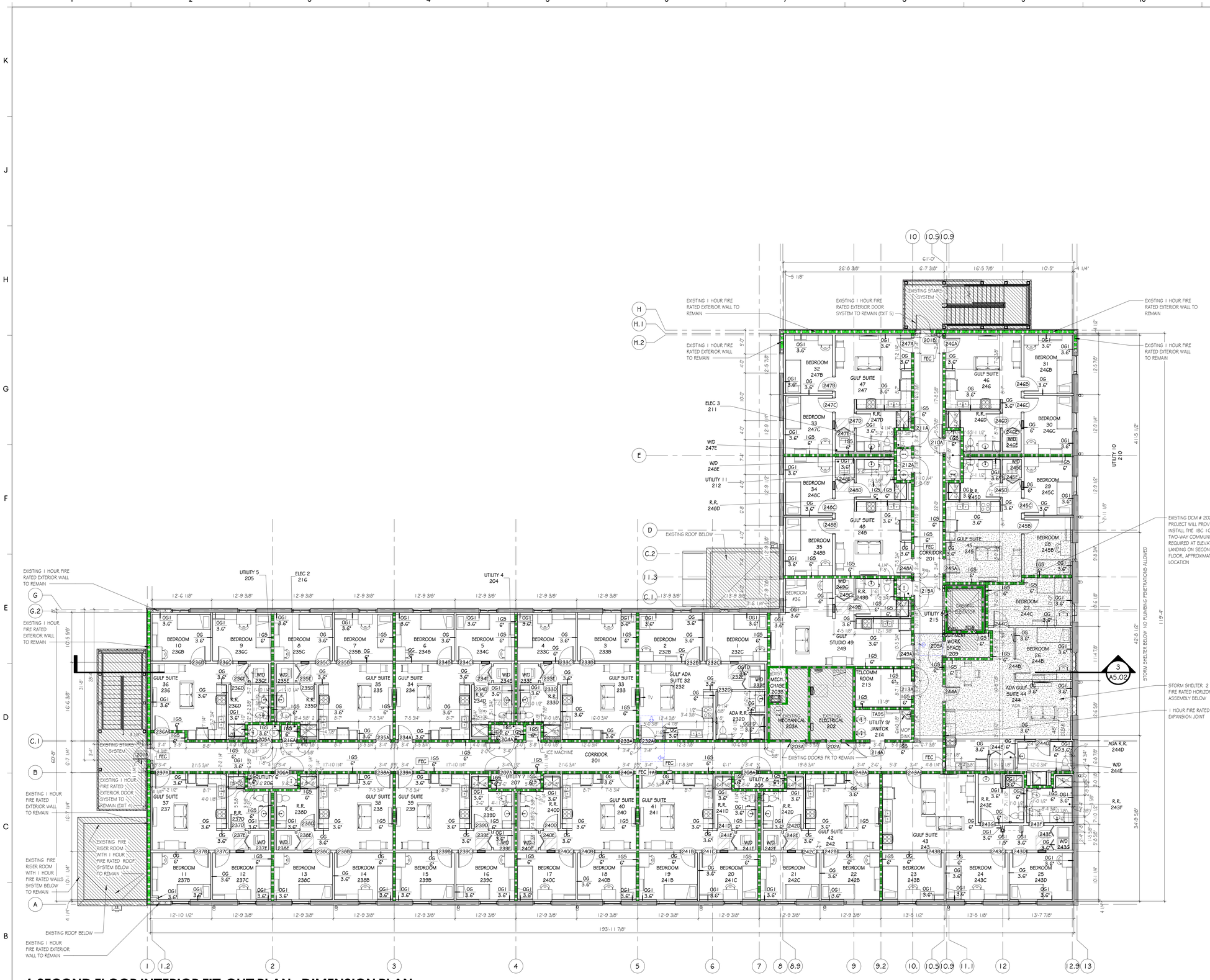
DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA
VIRGINIA BROOKE RODRIGUEZ
07/29/2026
7170
REGISTERED ARCHITECT

SECOND FLOOR FIT-OUT FLOOR PLAN

A1.05

TEMPLATE VERSION: 2022.1



1 SECOND FLOOR INTERIOR FIT-OUT PLAN - DIMENSION PLAN

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

PLAN LEGEND:

- EXISTING WALLS AND WINDOWS TO REMAIN
- EXISTING AREA TO REMAIN (SCOPE IN DCM#20240427 PROJECT)
- STORM SHELTER 2-HOUR FIRE RATED HORIZONTAL ASSEMBLY OUTLINE BELOW (SCOPE IN DCM#20240427 PROJECT)
- ELECTRICAL PANEL, RE: ELECTRICAL

GENERAL NOTES:

1. THE DCM #20240427 NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS BUILDING IS CURRENTLY UNDER CONSTRUCTION.
2. THE SECOND FLOOR FIT-OUT IS AN INTERIOR RENOVATION.
3. FURNITURE SHOWN FOR REFERENCE ONLY. NOT IN CONTRACT.
4. REFER TO FINISH LEGEND FOR PAINT COLORS CALLED OUT ON REFLECTED CEILING PLANS AND FINISH PLANS.
5. UNLESS OTHERWISE NOTED, ALL FLOOR TILE SHALL BE CENTERED IN ROOM.
6. UNLESS OTHERWISE NOTED, ALL CEILING GRID AND LIGHT FIXTURES SHALL BE CENTERED IN ROOM/ OPENING.
7. CONTRACTOR TO REVIEW WITH ARCHITECT, ON SITE, AREAS WITH MULTIPLE CEILING , WALL AND FLOOR FINISHES BEFORE FINISH WORK BEGINS.
8. REFER TO RCP LEGEND ON OVERALL REFLECTED CEILING PLANS FOR RCP ABBREVIATIONS AND FINISHES.
9. WALL TILE AND BASE GROUT LINES SHALL ALIGN WITH FLOOR TILE.
10. PROVIDED BLOCKING FOR GRAB BARS AND TOILET ACCESSORIES IN RESTROOMS.
11. CONTRACTOR SHALL PROVIDED AND INSTALL METAL STUD FURRING OR STUDS IN DEPTHS NECESSARY TO ACCOMMODATE ELECTRICAL BOXES ON EXTERIOR WALLS WERE THEY OCCUR.
12. ALL EXISTING FIRE RATED WALL PARTITIONS AND EXTERIOR WALL RATINGS SHALL REMAIN IN PLACE. ANY NEW PENETRATIONS WILL REQUIRE THE SAME MINIMUM WALL FIRE RATING AND FIRE STOPPING.
13. SUITE 44, SUITE 45 AND PARTIAL CORRIDOR SOUTH OF ELEVATOR ARE LOCATED ABOVE THE EXISTING 2 HOUR FIRE RATED STORM SHELTER. THE EXISTING STORM SHELTER TWO (2) HOUR FIRE RATED UL#D9 16 HORIZONTAL FLOOR /ROOF ASSEMBLY SHALL REMAIN IN PLACE. NO PENETRATIONS ARE ALLOWED ARE IN THE EXISTING STORM SHELTER AREA.
14. THE EXISTING FLOOR / CEILING ASSEMBLY SHALL KEEP THE EXISTING UL#D9 16 ONE (1) HOUR HORIZONTAL ASSEMBLY RATING . THE EXISTING FLOOR/CEILING ASSEMBLY MAIN COMPONENTS ARE THE 1-1/2" METAL FORM DECK, 2-5/8" LIGHTWEIGHT CONCRETE, AND SPRAY APPLIED FIRE RESISTIVE MATERIALS OVER STEEL STRUCTURAL FRAMING. THE ALL NEW PENETRATIONS SHALL MEET THE UL #9 16 ONE (1) HOUR MINIMUM FIRE RATING REQUIREMENTS.
15. EXISTING STRUCTURE SHALL REMAIN IN PLACE. THE NEW INTERIOR METAL STUD WALLS FRAMING WILL REQUIRE WORKING AROUND THE EXISTING ROOF JOIST FRAMING TO ATTACH TO ROOF DECK.

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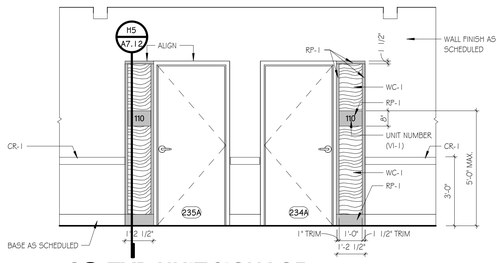
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GMC AMOB260001

STATE OF ALABAMA
VIRGINIA BROOKE RODRIGUEZ
7170
07/29/2026
REGISTERED ARCHITECT

SECOND FLOOR INTERIOR FIT-OUT PLAN - DIMENSIONS

A1.06

TEMPLATE VERSION: 2022.1



J2 TYP. UNIT SIGNAGE
SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES SCHEDULE

TAG	DESCRIPTION	OFCI/ CFCI
TA01	TOILET TISSUE DISP - DBL. STD. ROLL W/SHELF	CFCI
TA22	36" HORIZONTAL GRAB BAR	CFCI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA27	GRAB BAR - TWO-WALL 18"x33"	CFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	CFCI
TA33	ROBE HOOK (ADA FRONT APPROACH)	CFCI
TA38	18" HORIZONTAL GRAB BAR	CFCI
TA43	SHOWER SEAT - FOLDING, RECTANGULAR	CFCI
TA50	TOILET TISSUE DISP - SGL ROLL	CFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI
TA96	SHOWER CURTAIN ROD WITH CONCEALED MOUNTING, SATIN FINISH. SHOWER CURTAIN WHITE VINYL AND STAINLESS STEEL HOOKS	CFCI

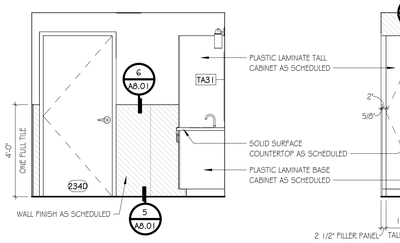
EQUIPMENT SCHEDULE

TAG	DESCRIPTION	OFCI/ CFCI	COUNT
E1	24" FREESTANDING ELECTRIC RANGE; WHIRLPOOL #WFE500M4H5	CFCI	2
E2	HOOD SYSTEM; DENLAR #D5-30-F, RE: MECHANICAL	CFCI	18
E3	24" COUNTERTOP MICROWAVE; GE #GCST2051WSS	CFCI	15
E4	20" COUNTERTOP MICROWAVE; GE #GCST09N1WSS	CFCI	2
E5	24" BUILT-IN MICROWAVE DRAWER; ZLINE #MWD-1-H	CFCI	1
E6	30" REFRIGERATOR; FRIGIDAIRE #FFTR2045V	CFCI	18
E7	STACKED WASHER/DRYER; GE #GUD27ESSM, RE: PLUMBING	CFCI	15
E8	FRONT LOAD WASHING MACHINE; GE #GFW350SSYWW	CFCI	3
E9	DRYER; GE #GFD35ESSYWW	CFCI	3
E10	ICE MACHINE; SUMMIT #BIM210, RE: PLUMBING	CFCI	1
E11	24" FREESTANDING ELECTRIC RANGE; FRIGIDAIRE #FCFE2425AS	CFCI	16

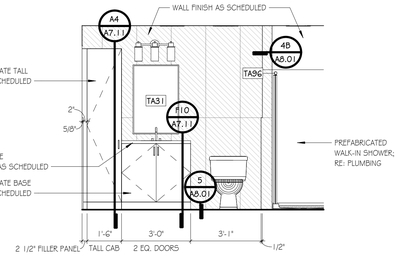
CFCI = CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFCI = OWNER FURNISHED, CONTRACTOR INSTALLED

PLAN LEGEND:

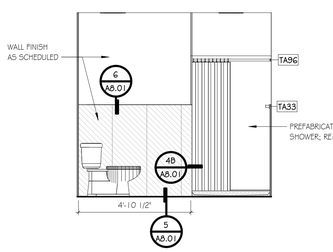
- EXISTING WALLS AND WINDOWS TO REMAIN
- EXISTING AREA TO REMAIN (SCOPE IN DCM#20240427 PROJECT)
- STORM SHELTER 2-HOUR FIRE RATED HORIZONTAL ASSEMBLY OUTLINE BELOW (SCOPE IN DCM#20240427 PROJECT)
- ELECTRICAL PANEL, RE: ELECTRICAL



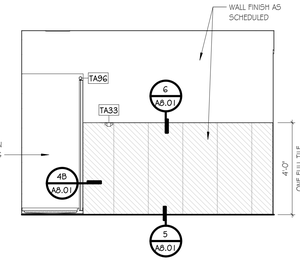
G2 TYP. R.R. - NORTH
SCALE: 3/8" = 1'-0"



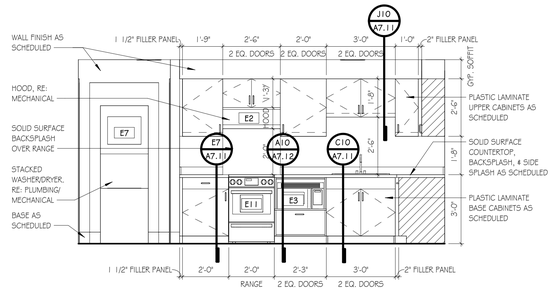
G4 TYP. R.R - EAST
SCALE: 3/8" = 1'-0"



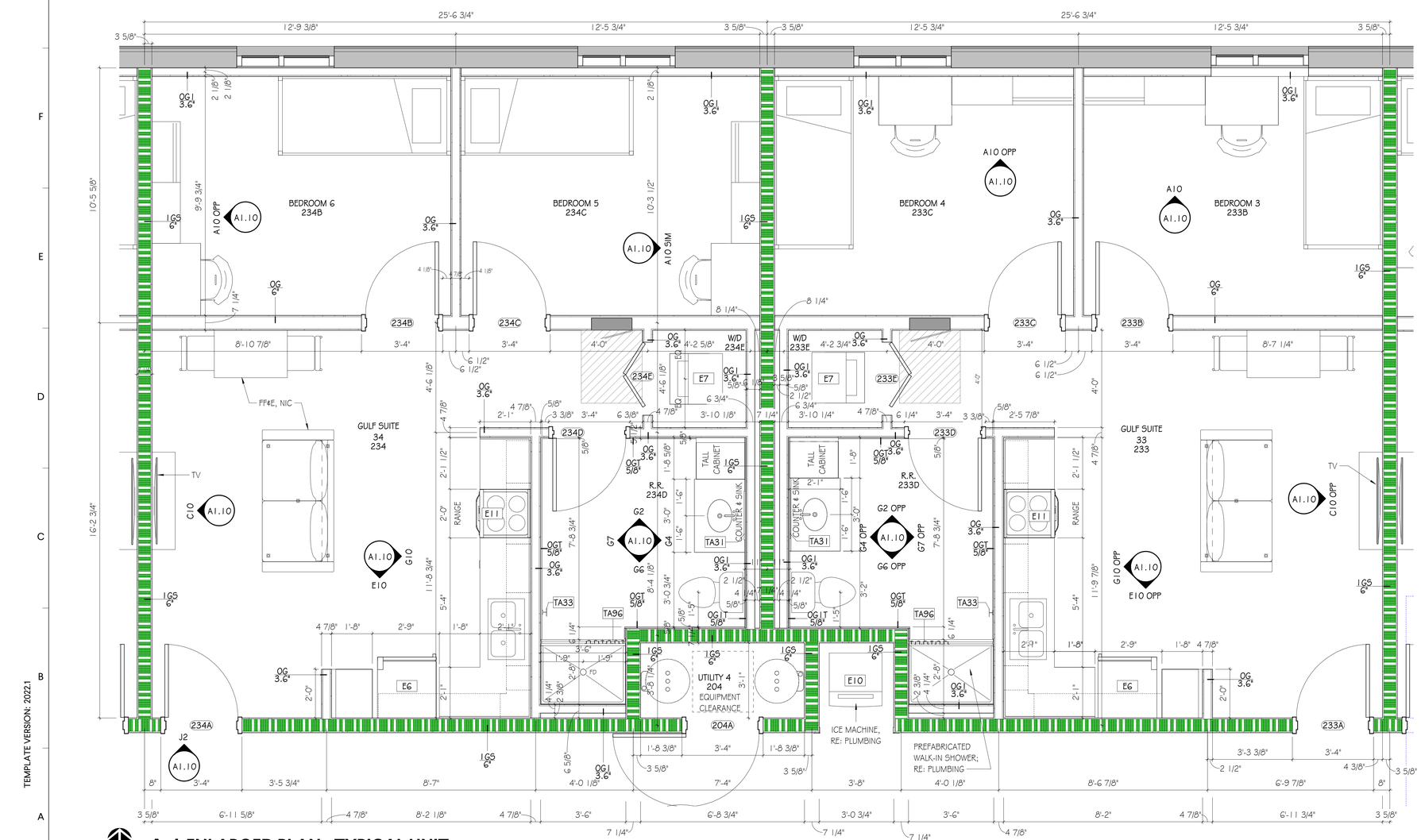
G6 TYP. R.R. - SOUTH
SCALE: 3/8" = 1'-0"



G7 TYP. R.R. - WEST
SCALE: 3/8" = 1'-0"

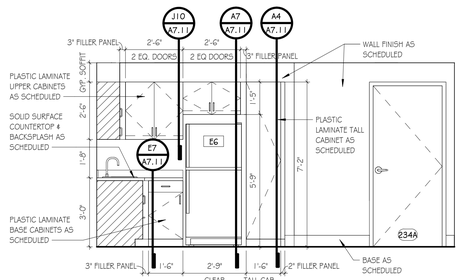


G10 TYP. SUITE KITCHEN - EAST
SCALE: 3/8" = 1'-0"

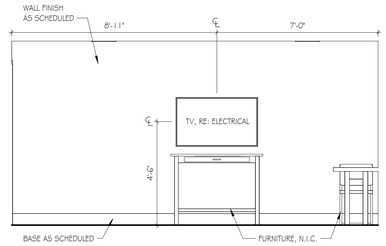


PLAN NORTH

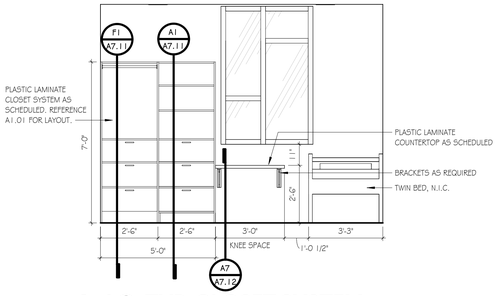
A1 ENLARGED PLAN - TYPICAL UNIT
SCALE: 1/2" = 1'-0"



E10 TYP. SUITE KITCHEN - SOUTH
SCALE: 3/8" = 1'-0"



C10 TYP. SUITE TV WALL
SCALE: 3/8" = 1'-0"



A10 TYP. CLOSET SYSTEM
SCALE: 3/8" = 1'-0"

GMC
Goodwyn Mills Cawood, LLC
11 North Water Street, Suite 19290
Mobile, AL 36602
T 251.460.4006
GMCNETWORK.COM

ISSUE DATE
ISSUE FOR BID 07/29/2026

DRAWN BY: EH, KB
CHECKED BY: VR

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA
REGISTERED ARCHITECT
ORIGINAL BROOKE RODRIGUEZ
07/29/2026
7170

ENLARGED PLANS & INTERIOR ELEVATIONS

A1.10

TEMPLATE VERSION: 2022.1

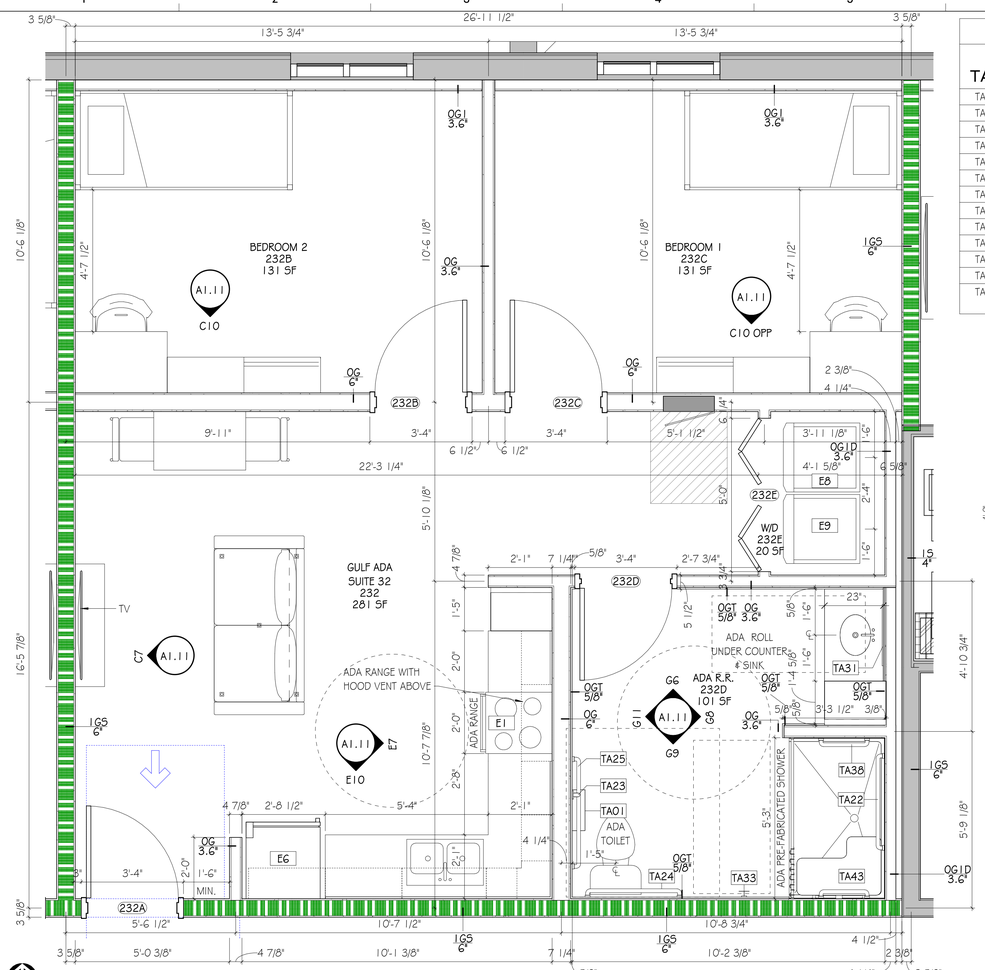
TOILET ACCESSORIES SCHEDULE		
TAG	DESCRIPTION	OFCI/ CFCI
TA01	TOILET TISSUE DISP - DBL. STD. ROLL W/SHELF	CFCI
TA22	36" HORIZONTAL GRAB BAR	CFCI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA27	GRAB BAR - TWO-WALL 18"x33"	CFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	CFCI
TA33	ROBE HOOK (ADA FRONT APPROACH)	CFCI
TA38	18" HORIZONTAL GRAB BAR	CFCI
TA43	SHOWER SEAT - FOLDING, RECTANGULAR	CFCI
TA50	TOILET TISSUE DISP - SGL ROLL	CFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI
TA96	SHOWER CURTAIN ROD WITH CONCEALED MOUNTING, SATIN FINISH. SHOWER CURTAIN WHITE VINYL AND STAINLESS STEEL HOOKS	CFCI

EQUIPMENT SCHEDULE			
TAG	DESCRIPTION	OFCI/ CFCI	COUNT
E1	24" FREESTANDING ELECTRIC RANGE; WHIRLPOOL #WFE500M4H5	CFCI	2
E2	HOOD SYSTEM; DENLAR #D5-30-F, RE: MECHANICAL	CFCI	18
E3	24" COUNTERTOP MICROWAVE; GE #GCST2051WSS	CFCI	15
E4	20" COUNTERTOP MICROWAVE; GE #GCST09N1WSS	CFCI	2
E5	24" BUILT-IN MICROWAVE DRAWER; ZLINE #MWD-1-H	CFCI	1
E6	30" REFRIGERATOR; FRIGIDAIRE #FFTR2045V	CFCI	18
E7	STACKED WASHER/DRYER; GE #GUD27ESSM, RE: PLUMBING	CFCI	15
E8	FRONT LOAD WASHING MACHINE; GE #GFW350SSYWW	CFCI	3
E9	DRYER; GE #GFD35ESSYWW	CFCI	3
E10	ICE MACHINE; SUMMIT #BIM210, RE: PLUMBING	CFCI	1
E11	24" FREESTANDING ELECTRIC RANGE; FRIGIDAIRE #FCFE2425AS	CFCI	16

CFCI = CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFCI = OWNER FURNISHED, CONTRACTOR INSTALLED

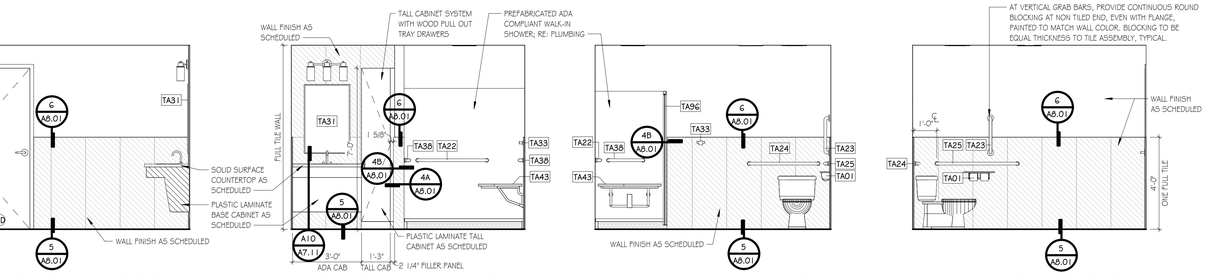
PLAN LEGEND:

- EXISTING WALLS AND WINDOWS TO REMAIN
- EXISTING AREA TO REMAIN (SCOPE IN DCM#20240427 PROJECT)
- STORM SHELTER 2-HOUR FIRE RATED HORIZONTAL ASSEMBLY OUTLINE BELOW (SCOPE IN DCM#20240427 PROJECT)
- ELECTRICAL PANEL, RE: ELECTRICAL



E1 ENLARGED PLAN - ADA UNIT 232
SCALE: 1/2" = 1'-0"

PLAN NORTH

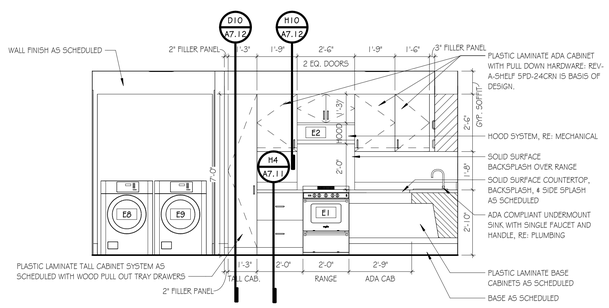


G6 ADA R.R. - NORTH
SCALE: 3/8" = 1'-0"

G8 ADA R.R. - EAST
SCALE: 3/8" = 1'-0"

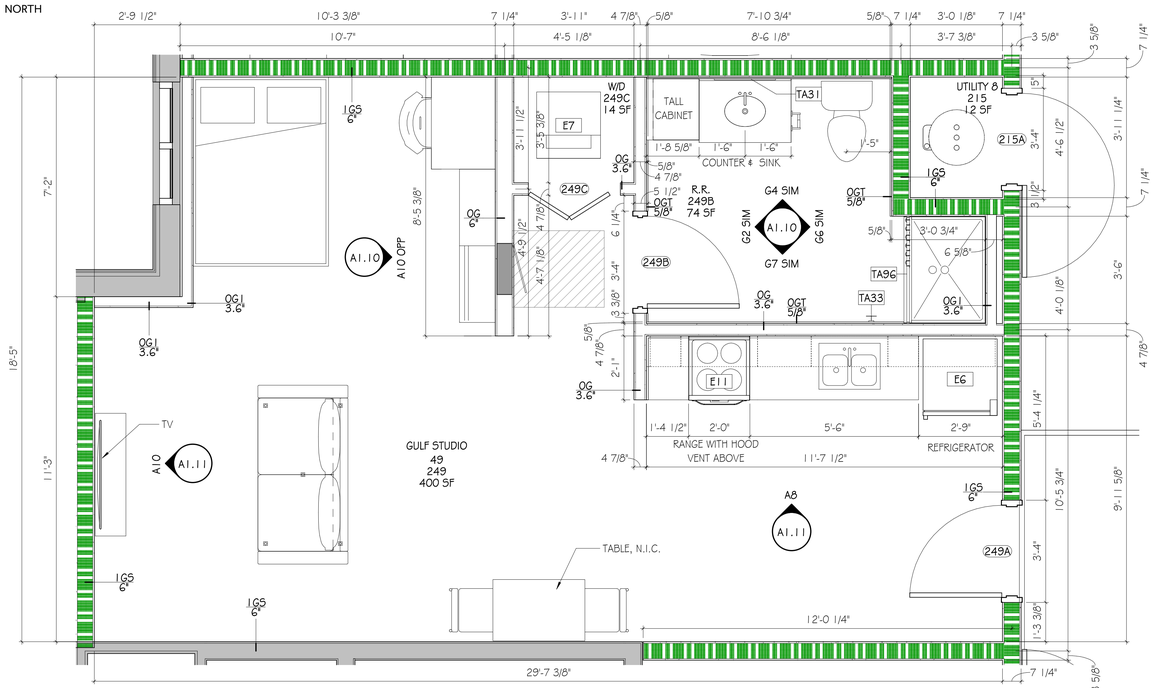
G9 ADA R.R. - SOUTH
SCALE: 3/8" = 1'-0"

G11 ADA R.R. - WEST
SCALE: 3/8" = 1'-0"



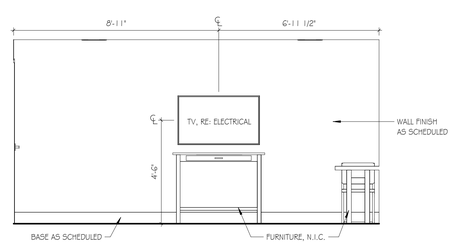
E7 ADA SUITE KITCHEN - EAST
SCALE: 3/8" = 1'-0"

E10 ADA SUITE KITCHEN - WEST
SCALE: 3/8" = 1'-0"

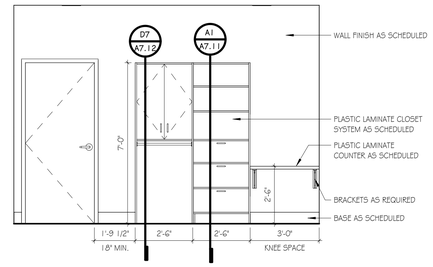


PLAN NORTH

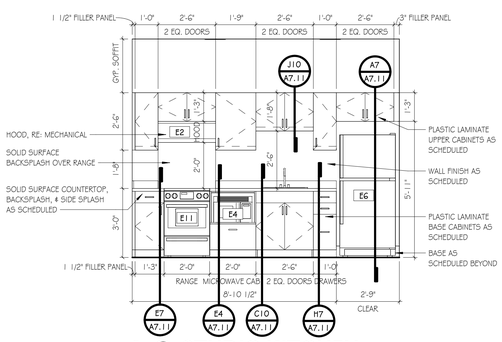
A1 ENLARGED PLAN - STUDIO UNIT
SCALE: 1/2" = 1'-0"



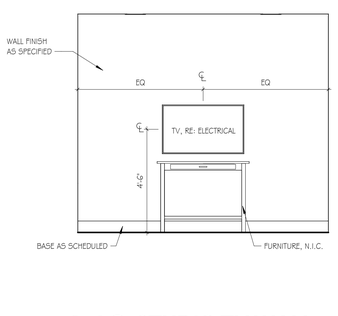
C7 ADA SUITE - TV WALL
SCALE: 3/8" = 1'-0"



C10 ADA CLOSET SYSTEM
SCALE: 3/8" = 1'-0"



A8 STUDIO KITCHEN
SCALE: 3/8" = 1'-0"



A10 STUDIO TV WALL
SCALE: 3/8" = 1'-0"

TEMPLATE VERSION: 2022.1

GMC

Goodwyn Mills Cawood, LLC
11 North Water Street, Suite 19290
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ISSUE	DATE	
ISSUE FOR BID	07/29/2026	
		DRAWN BY: EH, KB
		CHECKED BY: VR

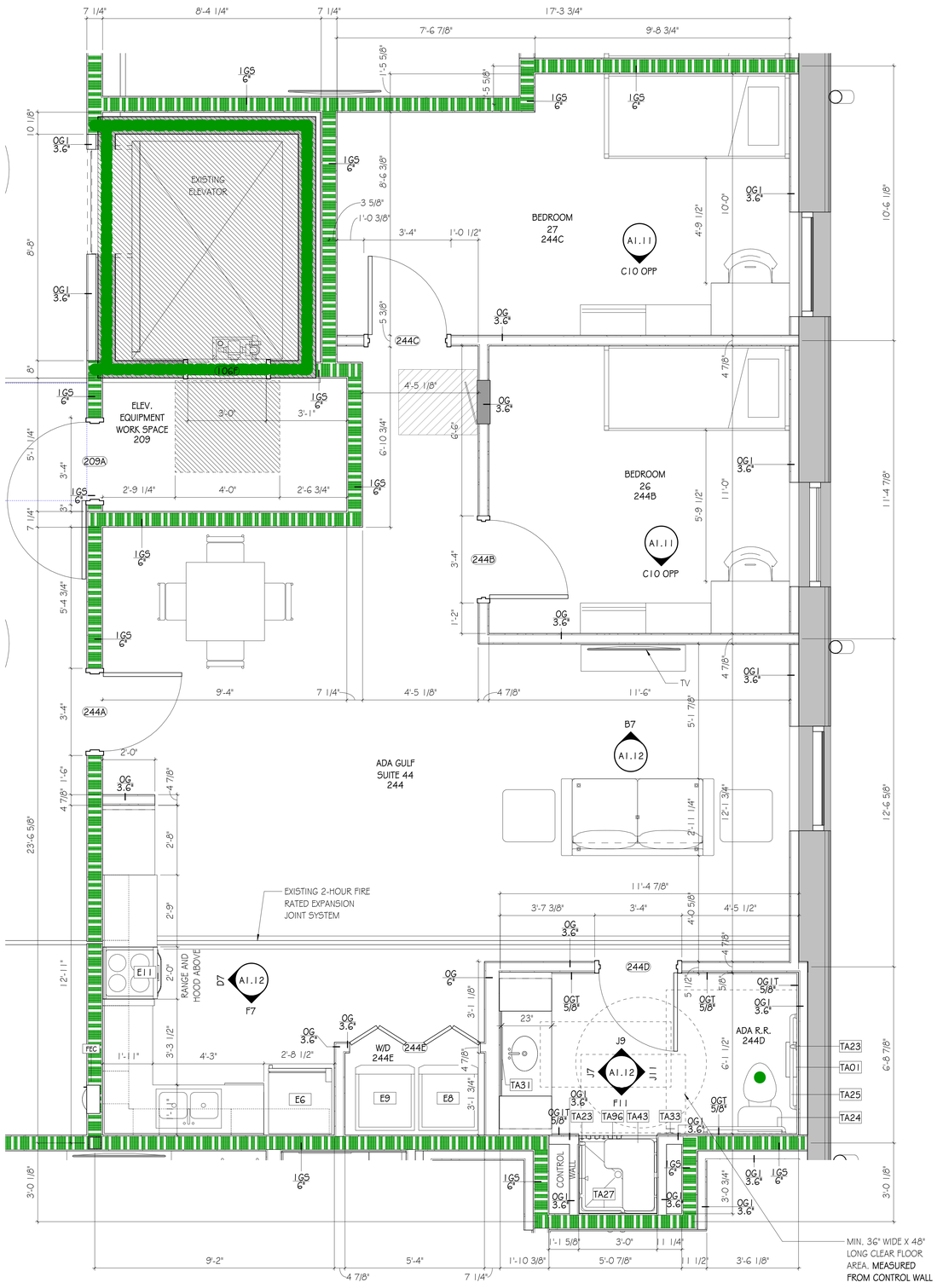
SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA
REGISTERED
VIRGINIA BROOKE RODRIGUEZ
07/29/2026
7170
REGISTERED ARCHITECT

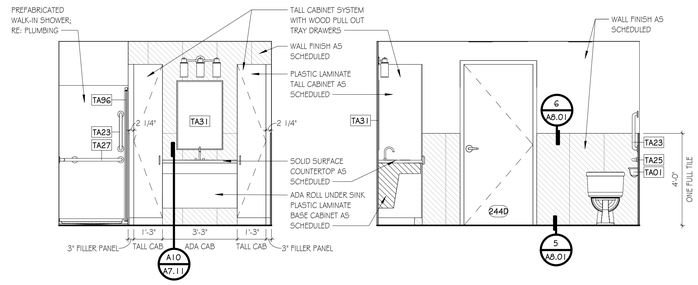
ENLARGED PLANS & INTERIOR ELEVATIONS

A1.11



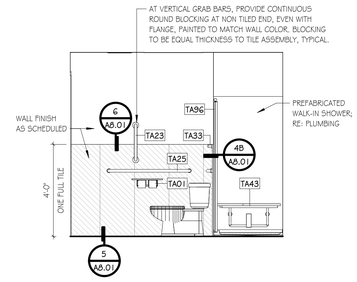
PLAN NORTH

A2 ENLARGED PLAN - ADA UNIT 244
SCALE: 1/2" = 1'-0"

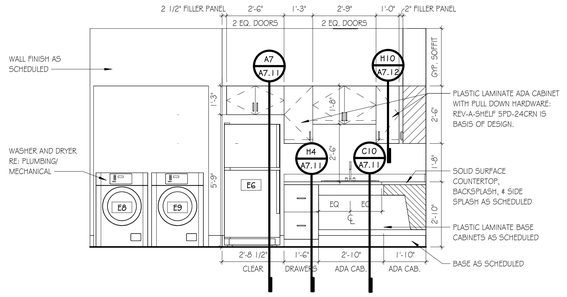


J7 ADA R.R. 244D - WEST
SCALE: 3/8" = 1'-0"

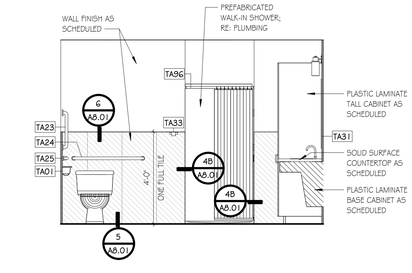
J9 ADA R.R. 244D - NORTH
SCALE: 3/8" = 1'-0"



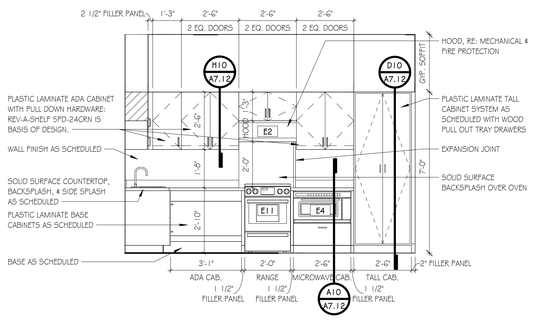
J11 ADA R.R. 244D - EAST
SCALE: 3/8" = 1'-0"



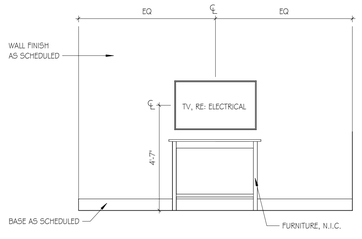
F7 ADA SUITE 44 - KITCHEN REF.
SCALE: 3/8" = 1'-0"



F11 ADA R.R. 244D - SOUTH
SCALE: 3/8" = 1'-0"



D7 ADA SUITE 44 - KITCHEN STOVE
SCALE: 3/8" = 1'-0"



B7 ADA SUITE 44 - TV WALL
SCALE: 3/8" = 1'-0"

TOILET ACCESSORIES SCHEDULE

TAG	DESCRIPTION	OFCI/ CFCI
TA01	TOILET TISSUE DISP - DBL. STD. ROLL W/SHELF	CFCI
TA22	36" HORIZONTAL GRAB BAR	CFCI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA27	GRAB BAR - TWO-WALL 18"x33"	CFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	CFCI
TA33	ROBE HOOK (ADA FRONT APPROACH)	CFCI
TA38	18" HORIZONTAL GRAB BAR	CFCI
TA43	SHOWER SEAT - FOLDING, RECTANGULAR	CFCI
TA50	TOILET TISSUE DISP - SGL ROLL	CFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI
TA96	SHOWER CURTAIN ROD WITH CONCEALED MOUNTING, SATIN FINISH. SHOWER CURTAIN WHITE VINYL AND STAINLESS STEEL HOOKS	CFCI

EQUIPMENT SCHEDULE

TAG	DESCRIPTION	OFCI/ CFCI	COUNT
E1	24" FREESTANDING ELECTRIC RANGE; WHIRLPOOL #WFE500M4HS	CFCI	2
E2	HOOD SYSTEM; DENLAR #DS-30-F, RE: MECHANICAL	CFCI	18
E3	24" COUNTERTOP MICROWAVE; GE #GCST2051WSS	CFCI	15
E4	20" COUNTERTOP MICROWAVE; GE #GCST09N1WSS	CFCI	2
E5	24" BUILT-IN MICROWAVE DRAWER; ZLINE #MWD-1-H	CFCI	1
E6	30" REFRIGERATOR; FRIGIDAIRE #FFTR2045V	CFCI	18
E7	STACKED WASHER/DRYER; GE #GUD27ES5M, RE: PLUMBING	CFCI	15
E8	FRONT LOAD WASHING MACHINE; GE #GFW350SSYWW	CFCI	3
E9	DRYER; GE #GFD35ESSYWW	CFCI	3
E10	ICE MACHINE; SUMMIT #BIM210, RE: PLUMBING	CFCI	1
E11	24" FREESTANDING ELECTRIC RANGE; FRIGIDAIRE #FCFE2425AS	CFCI	16

CFCI = CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFCI = OWNER FURNISHED, CONTRACTOR INSTALLED

PLAN LEGEND:

- EXISTING WALLS AND WINDOWS TO REMAIN
- EXISTING AREA TO REMAIN (SCOPE IN DCM#20240427 PROJECT)
- STORM SHELTER 2-HOUR FIRE RATED HORIZONTAL ASSEMBLY OUTLINE BELOW (SCOPE IN DCM#20240427 PROJECT)
- ELECTRICAL PANEL, RE: ELECTRICAL

GMC
Goodwyn Mills Cawood, LLC
11 North Water Street, Suite 19290
Mobile, AL 36602
T 251.460.4006
GMCNETWORK.COM

ISSUE	DATE
ISSUE FOR BID	07/29/2026

DRAWN BY: EH, KB
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SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

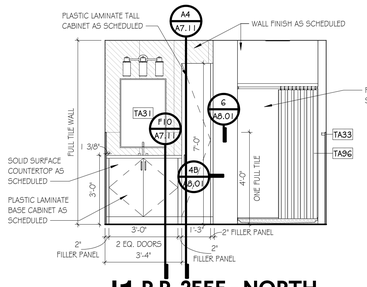
DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA — VERONICA BROOKE RODRIGUEZ — 07/29/2026 — 7170 — REGISTERED ARCHITECT

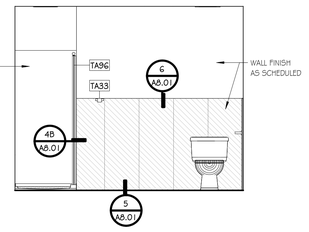
ENLARGED PLANS & INTERIOR ELEVATIONS

A1.12

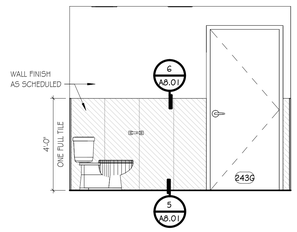
TEMPLATE VERSION: 20221



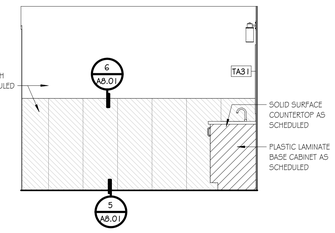
J1 R.R. 255E - NORTH
SCALE: 3/8" = 1'-0"



J4 R.R. 255E - WEST
SCALE: 3/8" = 1'-0"

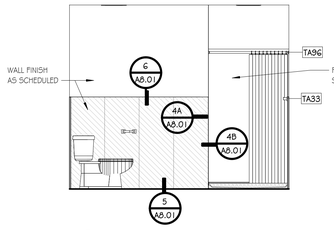


J6 R.R. 255E - SOUTH
SCALE: 3/8" = 1'-0"

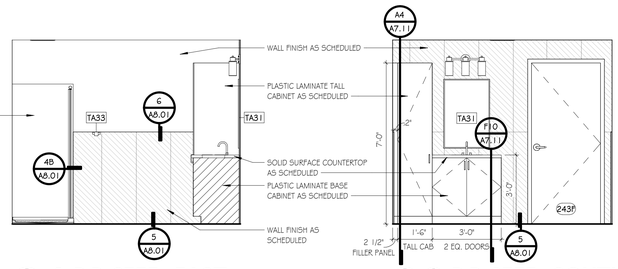


J7 R.R. 255E - EAST
SCALE: 3/8" = 1'-0"

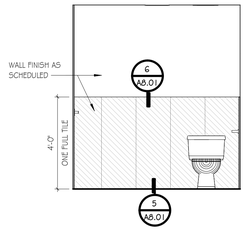
TOILET ACCESSORIES SCHEDULE		
TAG	DESCRIPTION	OFCI/ CFCI
TA01	TOILET TISSUE DISP - DBL. STD. ROLL W/SHELF	CFCI
TA22	36" HORIZONTAL GRAB BAR	CFCI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA27	GRAB BAR - TWO-WALL 18"x33"	CFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	CFCI
TA33	ROBE HOOK (ADA FRONT APPROACH)	CFCI
TA38	18" HORIZONTAL GRAB BAR	CFCI
TA43	SHOWER SEAT - FOLDING, RECTANGULAR	CFCI
TA50	TOILET TISSUE DISP - SGL ROLL	CFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI
TA96	SHOWER CURTAIN ROD WITH CONCEALED MOUNTING, SATIN FINISH. SHOWER CURTAIN WHITE VINYL AND STAINLESS STEEL HOOKS	CFCI



G1 R.R. 255F - NORTH
SCALE: 3/8" = 1'-0"



G4 R.R. 255F - EAST
SCALE: 3/8" = 1'-0"

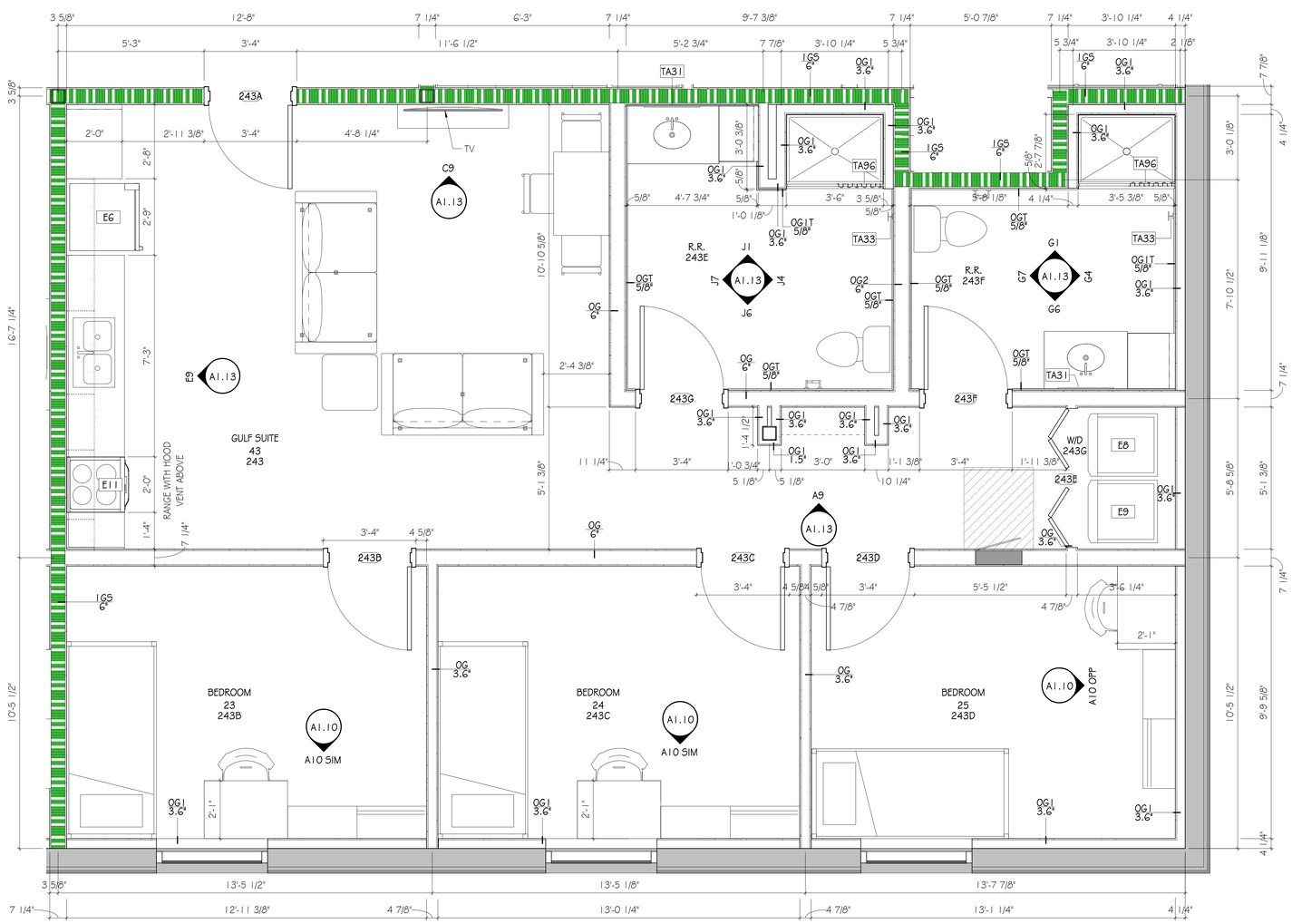


G6 R.R. 255F - SOUTH
SCALE: 3/8" = 1'-0"

G7 R.R. 255F - WEST
SCALE: 3/8" = 1'-0"

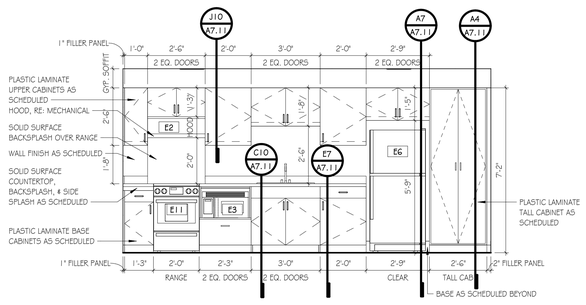
EQUIPMENT SCHEDULE			
TAG	DESCRIPTION	OFCI/ CFCI	COUNT
E1	24" FREESTANDING ELECTRIC RANGE; WHIRLPOOL #WFE500M4H5	CFCI	2
E2	HOOD SYSTEM; DENLAR #DS-30-F, RE: MECHANICAL	CFCI	18
E3	24" COUNTERTOP MICROWAVE; GE #GCST2051WSS	CFCI	15
E4	20" COUNTERTOP MICROWAVE; GE #GCST09N1WSS	CFCI	2
E5	24" BUILT-IN MICROWAVE DRAWER; ZLINE #MWD-1-H	CFCI	1
E6	30" REFRIGERATOR; FRIGIDAIRE #FFTR2045V	CFCI	18
E7	STACKED WASHER/DRYER; GE #GUD27ES5M, RE: PLUMBING	CFCI	15
E8	FRONT LOAD WASHING MACHINE; GE #GFW35055YWW	CFCI	3
E9	DRYER; GE #GFD35ES5YWW	CFCI	3
E10	ICE MACHINE; SUMMIT #BIM210, RE: PLUMBING	CFCI	1
E11	24" FREESTANDING ELECTRIC RANGE; FRIGIDAIRE #FCFE2425AS	CFCI	16

CFCI = CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFCI = OWNER FURNISHED, CONTRACTOR INSTALLED

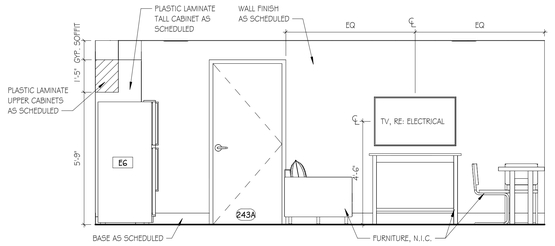


A1 ENLARGED PLAN - 3 BEDROOM UNIT
SCALE: 1/2" = 1'-0"

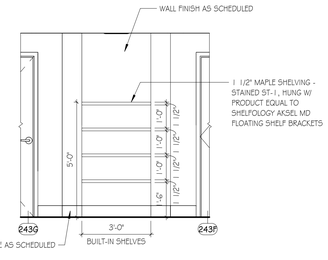
PLAN NORTH



E9 3 BEDROOM - KITCHEN
SCALE: 3/8" = 1'-0"



C9 3 BEDROOM - TV WALL
SCALE: 3/8" = 1'-0"



A9 3 BEDROOM - BUILT-INS
SCALE: 3/8" = 1'-0"

PLAN LEGEND:

- EXISTING WALLS AND WINDOWS TO REMAIN
- EXISTING AREA TO REMAIN (SCOPE IN DCM#20240427 PROJECT)
- STORM SHELTER 2-HOUR FIRE RATED HORIZONTAL ASSEMBLY OUTLINE BELOW (SCOPE IN DCM#20240427 PROJECT)
- ELECTRICAL PANEL, RE: ELECTRICAL

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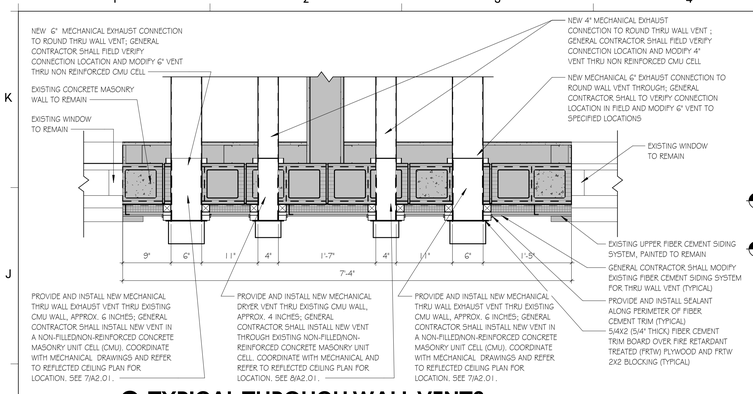
DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA
VERONICA BROOKE RODRIGUEZ
07/29/2026
7170
REGISTERED ARCHITECT

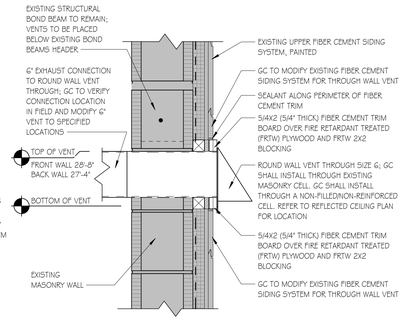
ENLARGED PLANS & INTERIOR ELEVATIONS

A1.13

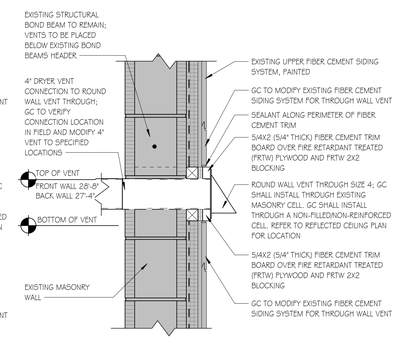
TEMPLATE VERSION: 2022.1



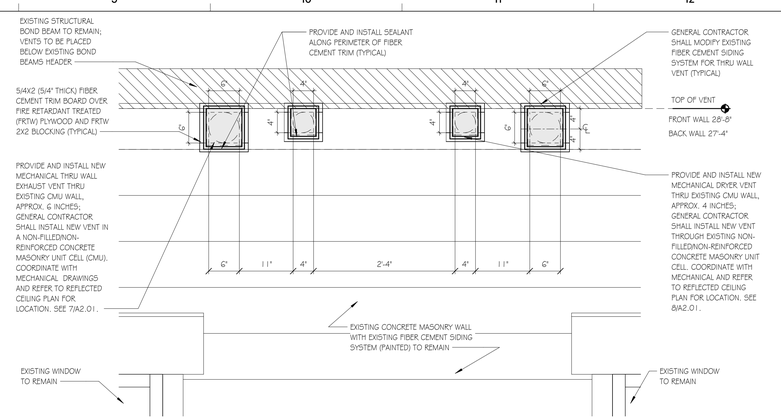
6 TYPICAL THROUGH WALL VENTS
SCALE: 1" = 1'-0"



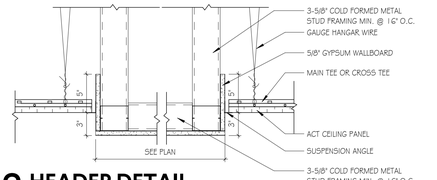
7 TYP. EXHAUST VENT THROUGH
SCALE: 11/2" = 1'-0"



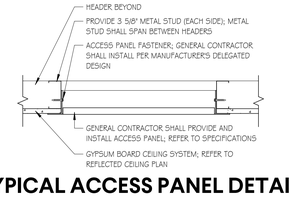
8 TYP. DRYER VENT THROUGH
SCALE: 11/2" = 1'-0"



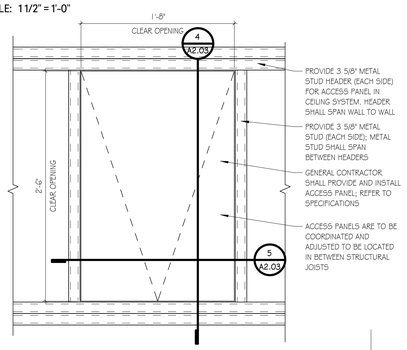
9 ASI - EXHAUST/ DRYER VENTS DETAIL
SCALE: 1" = 1'-0"



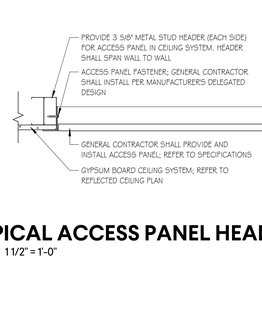
2 HEADER DETAIL
SCALE: 11/2" = 1'-0"



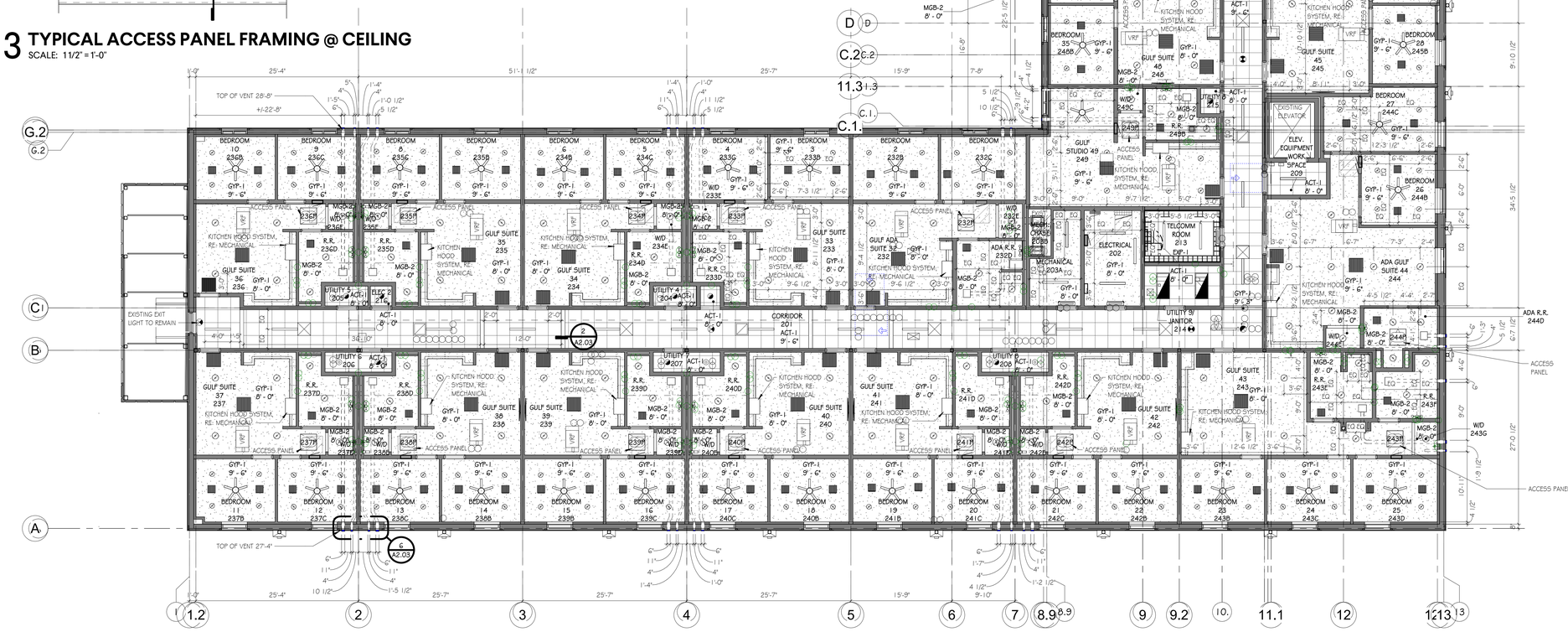
5 TYPICAL ACCESS PANEL DETAIL
SCALE: 11/2" = 1'-0"



3 TYPICAL ACCESS PANEL FRAMING @ CEILING
SCALE: 11/2" = 1'-0"



4 TYPICAL ACCESS PANEL HEADER DETAIL
SCALE: 11/2" = 1'-0"



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

PLAN NORTH / TRUE NORTH

REFLECTED CEILING PLAN LEGEND

CEILING FINISHES:
- LAY-IN ACOUSTICAL CEILING SYSTEM - 2'X2'
- GYP BOARD - INTERIOR. EIFS SOFFIT - EXTERIOR.
- EXPOSED STRUCTURE

MECHANICAL:
- SUPPLY DIFFUSER / RETURN AIR GRILLE
- EXHAUST FAN
- OSD SMOKE DETECTOR
- VRF MECHANICAL AIR CONDITIONING UNIT
- WALL MOUNT MECHANICAL AIR CONDITIONING UNIT
- KITCHEN HOOD SYSTEM, RE: MECHANICAL
- EXTERIOR EXHAUST VENT
- DRYER EXHAUST VENT

LIGHTING:
- 2X4 LAY-IN FIXTURE
- LINEAR RECESSED FIXTURE
- WALL MOUNTED SCONCE
- CIRCULAR RECESSED FIXTURE
- FAN WITH LIGHT

CEILING:
- CEILING ACCESS PANEL
- EXIT LIGHT

ELECTRICAL:
- AUXILIARY
- WAP WIRELESS ACCESS POINT
- ELECTRICAL PANEL

CEILING FINISH LEGEND

NUMBER	TYPE	DETAIL DESCRIPTION
ACT-1	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG STYLE: 1713 SCHOOL ZONE FINE FISSURED COLOR: WHITE SIZE: 24" X 24" X 3/4" SUSPENSION SYSTEM: 15/16" SQUARE LAY-IN
GYP-1	GYP BOARD CEILING	PAINTED GYP BOARD CEILING COLOR: PNT-3 (U.N.O. ON RCP)
MGB-2	MOISTURE RESISTANT GYP BOARD CEILING	PAINTED GYP BOARD CEILING - MOISTURE RESISTANT COLOR: PNT-4 (U.N.O. ON RCP)
EXP-1	EXPOSED TO STRUCTURE	EXPOSED TO STRUCTURE - WITH FINISH. PAINT ALL EXPOSED ELEMENTS COLOR: PNT-7

GENERAL NOTES - REFLECTED CEILING PLAN

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

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DAUPHIN ISLAND, AL 36528

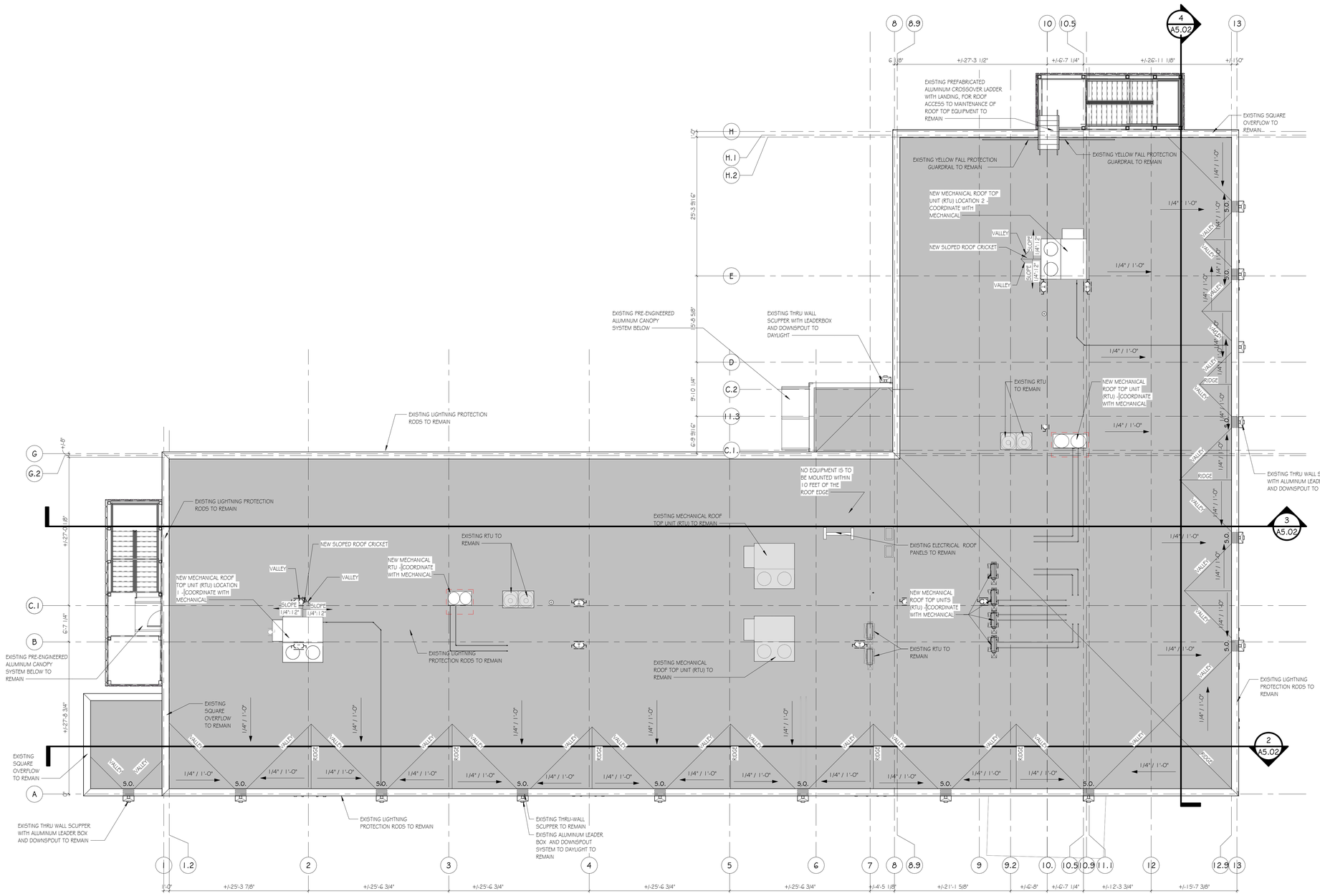
DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA
VIRGINIA BROOKE RODRIGUEZ
07/29/2026
7170
REGISTERED ARCHITECT

SECOND FLOOR REFLECTED CEILING PLAN

A2.03

TEMPLATE VERSION: 2022.1



PLAN NORTH TRUE NORTH

1 EXISTING ROOF PLAN - RENOVATION NEW WORK

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

ROOF PLAN LEGEND

- LIGHTNING PROTECTION RODS (COORDINATE WITH ELECTRICAL)
- ROOF CRICKET
- S.O. THRU WALL SCUPPER OPENING
- PRE-FABRICATED SQUARE OVERFLOW SYSTEM
- PRE-FABRICATED ALUMINIMUM LEADER BOX WITH OVERFLOW OUTLET AND DOWNSPOUT SYSTEM WITH CONCRETE SPLASH BLOCK AT GRADE
- MECHANICAL ROOF TOP UNITS - REFER TO MECHANICAL DRAWINGS
- PRE-ENGINEERED ALUMIMUM CANOPY SYSTEM BELOW
- ELECTRICAL PANEL - REFER TO ELECTRICAL DRAWINGS

GENERAL NOTES - DEMOLITION ROOF PLAN

1. PROTECT EXISTING CONDITIONS AS REQUIRED FROM DAMAGE DURING DEMOLITION AND NEW CONSTRUCTION OPERATIONS.
2. DEMOLISHED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
3. REMOVE EXISTING COPINGS, EDGE METAL & FLASHING EXCEPT WHERE NOTED OTHERWISE.
4. PROTECT EXISTING BUILDING FROM INTRUSION OF WATER, DUST, AND DEBRIS DURING DEMOLITION AND CONSTRUCTION.
5. PROTECT EXISTING IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO SIDEWALKS, LANDSCAPING, WINDOW SCREENS, CANOPIES, MECHANICAL EQUIPMENT, ELECTRICAL EQUIPMENT, ETC. ANY DAMAGE TO EXISTING CONDITIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND REPLACE AT NO COST TO THE OWNER.
6. ALL WORK AND CONSTRUCTION ACTIVITIES SHALL BE CLOSELY COORDINATED WITH THE OWNER.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR THE WEATHER TIGHTNESS OF THE BUILDING DURING THE REMOVAL AND REPLACEMENT OF THE ROOF ITEMS AND AT ALL TIMES DURING CONSTRUCTION FOR THE DURATION OF THE PROJECT. ANY DAMAGE TO EXISTING CONDITIONS SHALL BE REMOVED AND REPLACED WITH NEW, IMMEDIATELY AT NO COST TO THE OWNER.

GENERAL ROOFING NOTES:

1. ALL NEW WORK MATERIALS SHALL BE EITHER NON-COMBUSTIBLE OR FIRE RETARDANT TREATED WOOD.
2. PROVIDE AND INSTALL ALL NECESSARY DUST BARRIERS AS REQUIRED OR DIRECTED BY THE OWNER OR ARCHITECT.
3. AFTER ALL ROOF REPAIR IS COMPLETE, ALL WATER DAMAGED GYPSUM BOARD CEILINGS SHALL BE CLEANED AND PAINTED. ALL CEILINGS REQUIRING NEW PAINTING, SHALL BE CORNER TO CORNER.
4. AFTER ALL ROOF REPAIR IS COMPLETE, ALL WATER DAMAGED ACOUSTICAL CEILING TILES SHALL BE CLEANED AND PAINTED. ALL CEILINGS REQUIRING NEW PAINTING, SHALL BE REMOVED AND REPLACED.
5. COORDINATE ALL NEW ROOF PENETRATIONS WITH ROOF MANUFACTURER'S INSTALLATION RECOMMENDATIONS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE WEATHER TIGHTNESS OF THE BUILDING DURING THE REMOVAL AND REPLACEMENT OF THE ROOF ITEMS AND AT ALL TIMES DURING CONSTRUCTION FOR THE DURATION OF THE PROJECT. ANY DAMAGE TO EXISTING CONDITIONS SHALL BE REMOVED AND REPLACED WITH NEW, IMMEDIATELY AT NO COST TO THE OWNER.
7. ALL NEW SEALANTS SHALL BE COMPATIBLE WITH ADJACENT SEALANTS, FINISHES, AND SURFACES.
8. THE EXISTING ROOFING IS A A PVC FELTBACKED MEMBRANE SINGLE PLY ADHERED ROOFING SYSTEM WITH ASSOCIATED RIGID INSULATION AND FLASHINGS.
9. PROVIDE AND INSTALL NEW PRE-FINISHED COPING, EDGE METAL & FLASHINGS.
10. ALL WOOD NAILERS AND BLOCKING MATERIAL SHALL BE EXTERIOR FIRE-RETARDANT TREATED WOOD.
11. ALL CURBS SHALL PROVIDE A EIGHT (8) INCH MINIMUM FLASHING HEIGHT.
12. PLUMBING BOOTS - ALL PLUMBING STACKS SHALL BE RAISED TO MEET EIGHT (8) INCH MINIMUM FLASHING HEIGHT.
13. COORDINATE ALL NEW MECHANICAL EQUIPMENT LOCATIONS, WEIGHT AND OPENINGS WITH STRUCTURAL FRAMING FOR ROOF PENETRATION LOCATIONS.
14. COORDINATE ALL ELECTRICAL EQUIPMENT LOCATIONS, WEIGHT AND OPENINGS WITH STRUCTURAL FRAMING FOR ROOF PENETRATION LOCATIONS.
15. ANY ROOF WORK MUST BE COORDINATED AND INSTALLATION WITH EXISTING ROOF SYSTEM TO MAINTAIN EXISTING ROOF WARRANTY.

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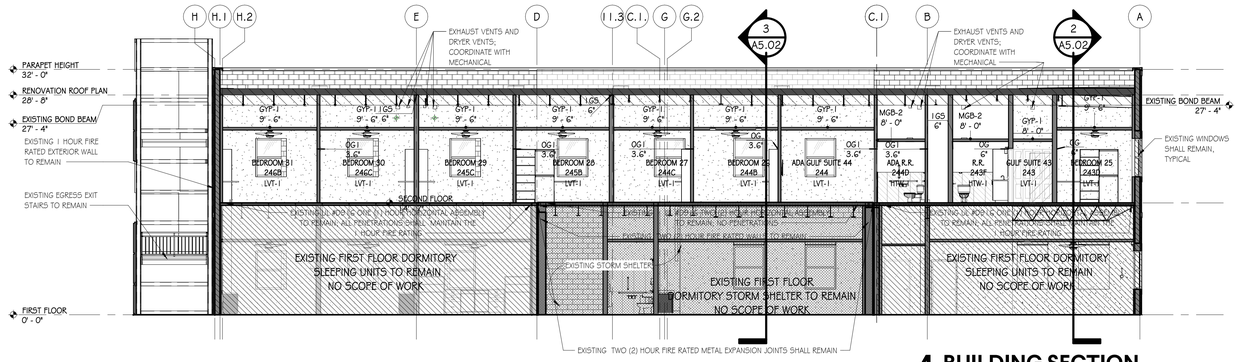
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STATE OF ALABAMA VIRGINIA BROOKE RODRIGUEZ 07/29/2026 7170 REGISTERED ARCHITECT

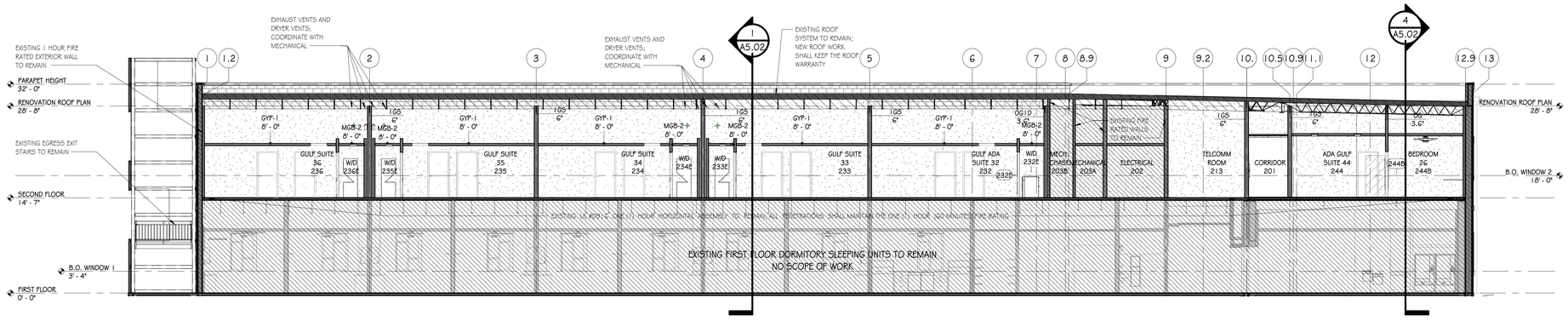
EXISTING ROOF PLAN - RENOVATION NEW WORK

A3.04

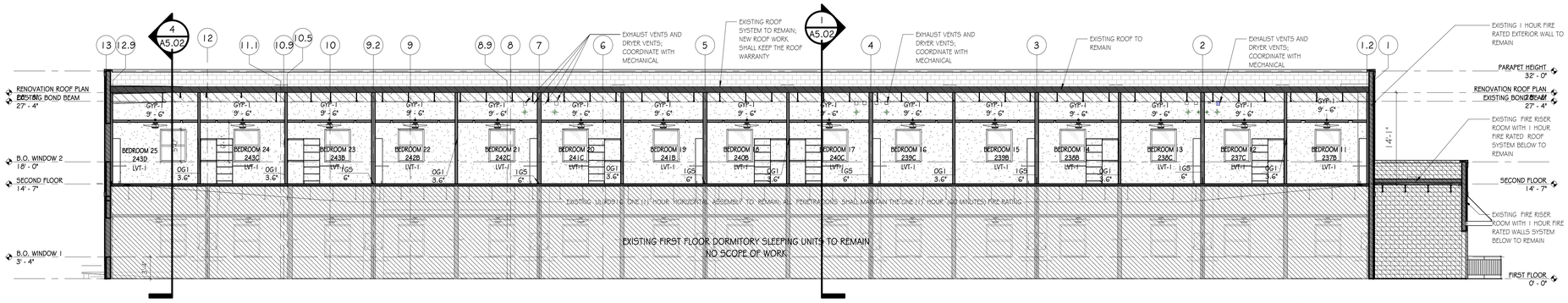
TEMPLATE VERSION: 2022.1



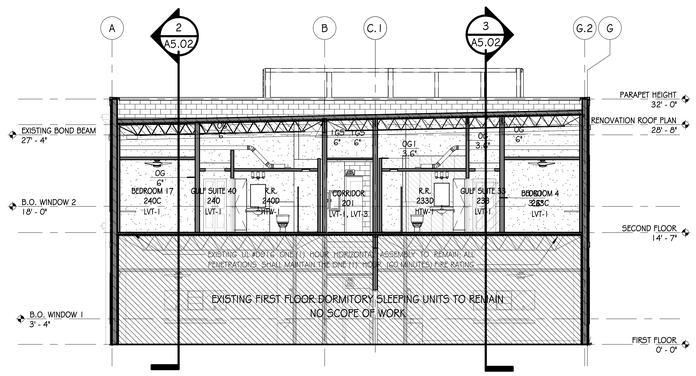
4 BUILDING SECTION
SCALE: 1/8" = 1'-0"



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



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



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

GENERAL NOTES:

1. THE DCM #202404027 NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS BUILDING 15 CURRENTLY UNDER CONSTRUCTION.
2. THE SECOND FLOOR FIT-OUT IS AN INTERIOR RENOVATION.
3. FURNITURE SHOWN FOR REFERENCE ONLY. NOT IN CONTRACT.
4. REFER TO FINISH LEGEND FOR PAINT COLORS CALLED OUT ON REFLECTED CEILING PLANS AND FINISH PLANS.
5. UNLESS OTHERWISE NOTED, ALL FLOOR TILE SHALL BE CENTERED IN ROOM.
6. UNLESS OTHERWISE NOTED, ALL CEILING GRID AND LIGHT FIXTURES SHALL BE CENTERED IN ROOM/ OPENING.
7. CONTRACTOR TO REVIEW WITH ARCHITECT, ON SITE, AREAS WITH MULTIPLE CEILING , WALL AND FLOOR FINISHES BEFORE FINISH WORK BEGINS.
8. REFER TO RCP LEGEND ON OVERALL REFLECTED CEILING PLANS FOR RCP ABBREVIATIONS AND FINISHES.
9. WALL TILE AND BASE GROUT LINES SHALL ALIGN WITH FLOOR TILE.
10. PROVIDED BLOCKING FOR GRAB BARS AND TOILET ACCESSORIES IN RESTROOMS.
11. CONTRACTOR SHALL PROVIDED AND INSTALL METAL STUD FURRING OR STUDS IN DEPTHS NECESSARY TO ACCOMMODATE ELECTRICAL BOXES ON EXTERIOR WALLS WERE THEY OCCUR.
12. ALL EXISTING FIRE RATED WALL PARTITIONS AND EXTERIOR WALL RATINGS SHALL REMAIN IN PLACE. ANY NEW PENETRATIONS WILL REQUIRE THE SAME MINIMUM WALL FIRE RATING AND FIRE STOPPING.
13. SUITE 44, SUITE 45 AND PARTIAL CORRIDOR SOUTH OF ELEVATOR ARE LOCATED ABOVE THE EXISTING 2 HOUR FIRE RATED STORM SHELTER. THE EXISTING STORM SHELTER TWO (2) HOUR FIRE RATED UL#D916 HORIZONTAL FLOOR /ROOF ASSEMBLY SHALL REMAIN IN PLACE. NO PENETRATIONS ARE ALLOWED ARE IN THE EXISTING STORM SHELTER AREA.
14. THE EXISTING FLOOR / CEILING ASSEMBLY SHALL KEEP THE EXISTING UL#D916 ONE (1) HOUR HORIZONTAL ASSEMBLY RATING . THE EXISTING FLOOR/CEILING ASSEMBLY MAIN COMPONENTS ARE THE 1-1/2" METAL FORM DECK, 2-5/8" LIGHTWEIGHT CONCRETE, AND SPRAY APPLIED FIRE RESISTIVE MATERIALS OVER STEEL STRUCTURAL FRAMING. THE ALL NEW PENETRATIONS SHALL MEET THE UL #916 ONE (1) HOUR MINIMUM FIRE RATING REQUIREMENTS.
15. EXISTING STRUCTURE SHALL REMAIN IN PLACE. THE NEW INTERIOR METAL STUD WALLS FRAMING WILL REQUIRE WORKING AROUND THE EXISTING ROOF JOIST FRAMING TO ATTACH TO ROOF DECK.

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DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA
VIRGINIA BROOKE ROONEY
07/29/2026
7170
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BUILDING SECTIONS

A5.02

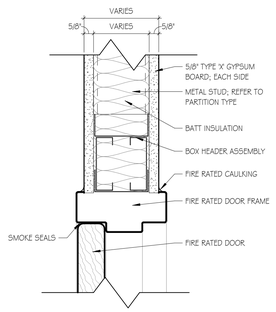
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DOOR SCHEDULE

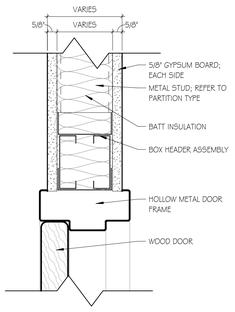
LOCATION		SIZE			DOOR			FRAME			HARDWARE					DETAILS				
												ELEC. COORD.								
DOOR NUMBER	ROOM NAME	WIDTH	HT	THK	DOOR TYPE	MAT'L	GLASS OR LOUVER TYPE	FRAME TYPE	MAT'L	GLASS TYPE	HARDWARE SET NO.	HOLD OPEN	FIRE ALARM INTERFACE	ACCESS CONTROL	LEVEL	HEAD	JAMB	SILL	FIRE RATING	NUMBERED NOTES
204A	UTILITY 4	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
205A	UTILITY 5	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
206A	UTILITY 6	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
207A	UTILITY 7	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
208A	UTILITY 8	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
209A	ELEV. EQUIPMENT WORK SPACE	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		7.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	
210A	UTILITY 10	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
211A	ELEC 3	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
212A	UTILITY 11	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
213A	TELCOMM ROOM	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	3 , 4, 7, 8
214A	UTILITY 9/ JANITOR	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
215A	UTILITY 8	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	
216A	ELEC 2	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		6.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
232A	GULF ADA SUITE 32	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
232B	BEDROOM 2	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
232C	BEDROOM 1	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
232D	ADA R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		1, 3, ADA
232E	W/D	5' - 0"	7' - 0"	13/4"	BF4	WD		F5	HM		5.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
233A	GULF SUITE 33	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
233B	BEDROOM 3	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
233C	BEDROOM 4	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
233D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
233E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
234A	GULF SUITE 34	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
234B	BEDROOM 6	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
234C	BEDROOM 5	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
234D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
234E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
235A	GULF SUITE 35	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
235B	BEDROOM 7	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
235C	BEDROOM 8	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
235D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
235E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
236A	GULF SUITE 36	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
236B	BEDROOM 10	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
236C	BEDROOM 9	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
236D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
236E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
237A	GULF SUITE 37	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
237B	BEDROOM 11	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
237C	BEDROOM 12	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
237D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
237E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
238A	GULF SUITE 38	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1 , 3
238B	BEDROOM 14	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
238C	BEDROOM 13	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
238D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
238E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
239A	GULF SUITE 39	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
239B	BEDROOM 15	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
239C	BEDROOM 16	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
239D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
239E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
240A	GULF SUITE 40	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
240B	BEDROOM 18	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
240C	BEDROOM 17	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
240D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
240E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
241A	GULF SUITE 41	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
241B	BEDROOM 19	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
241C	BEDROOM 20	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
241D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
241E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
242A	GULF SUITE 42	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
242B	BEDROOM 22	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
242C	BEDROOM 21	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
242D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
242E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
243A	GULF SUITE 43	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
243B	BEDROOM 23	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
243C	BEDROOM 24	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
243D	BEDROOM 25	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
243E	W/D	5' - 0"	7' - 0"	13/4"	BF4	WD		F5	HM		5.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
243F	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
243G	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
244A	ADA GULF SUITE 44	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1 , 3
244B	BEDROOM 26	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
244C	BEDROOM 27	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
244D	ADA R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
244E	W/D	5' - 0"	7' - 0"	13/4"	BF4	WD		F5	HM		5.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
245A	GULF SUITE 45	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3, ADA
245B	BEDROOM 28	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
245C	BEDROOM 29	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
245D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
245E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
246A	GULF SUITE 46	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
246B	BEDROOM 31	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
246C	BEDROOM 30	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
246D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
246E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
247A	GULF SUITE 47	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
247B	BEDROOM 32	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
247C	BEDROOM 33	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
247D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
247E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
248A	GULF SUITE 48	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
248B	BEDROOM 35	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
248C	BEDROOM 34	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		3.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
248D	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
248E	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
249A	GULF STUDIO 49	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		1.0				LEVEL 2	1/A6.01	2/A6.01	3/A6.01	60 MIN	1, 3
249B	R.R.	3' - 0"	7' - 0"	13/4"	F	WD		F1	HM		2.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		
249C	W/D	3' - 0"	7' - 0"	13/4"	BF2	WD		F5	HM		4.0				LEVEL 2	4/A6.01	5/A6.01	6/A6.01		

ACCESS PANEL SCHEDULE

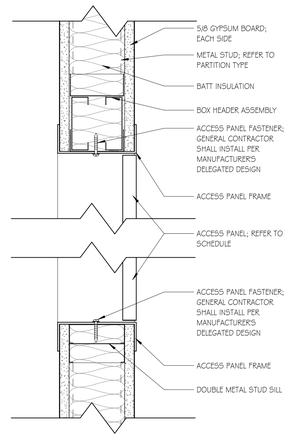
LOCATION		SIZE			DOOR	FRAME		HARDWARE				DETAILS		
									ELEC. COORD.					
DOOR NUMBER	NUMBERED NOTES	WIDTH	HT	THK	MAT'L	FRAME TYPE	MAT'L	HARDWARE SET NO.	HOLD OPEN	FIRE ALARM INTERFACE	ACCESS CONTROL	HEAD	JAMB	FIRE RATING
232P	ACCESS PANEL DOOR - GULF SUITE 32 ADA	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
233P	ACCESS PANEL DOOR - GULF SUITE 33	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
234P	ACCESS PANEL DOOR - GULF SUITE 34	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
235P	ACCESS PANEL DOOR - GULF SUITE 35	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
236P	ACCESS PANEL DOOR - GULF SUITE 36	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
237P	ACCESS PANEL DOOR - GULF SUITE 37	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
238P	ACCESS PANEL DOOR - GULF SUITE 38	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
239P	ACCESS PANEL DOOR - GULF SUITE 39	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
240P	ACCESS PANEL DOOR - GULF SUITE 40	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
241P	ACCESS PANEL DOOR - GULF SUITE 41	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
242P	ACCESS PANEL DOOR - GULF SUITE 42	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
243P	ACCESS PANEL DOOR - GULF SUITE 43	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
244P	ACCESS PANEL DOOR - GULF SUITE 44	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
245P	ACCESS PANEL DOOR - GULF SUITE 45	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
246P	ACCESS PANEL DOOR - GULF SUITE 46	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
247P	ACCESS PANEL DOOR - GULF SUITE 47	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
248P	ACCESS PANEL DOOR - GULF SUITE 48	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	
249P	ACCESS PANEL DOOR - GULF STUDIO 49	2' - 6"	2' - 6"	4 1/4"	ALUM	ALUM	ALUM					1/A2.01	2/A2.01	



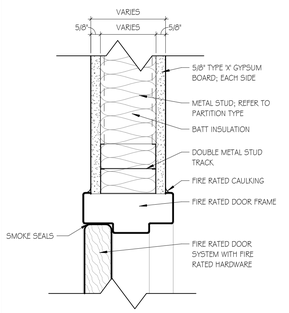
1 INT. DOOR HEAD - 1GS
SCALE: 3" = 1'-0"



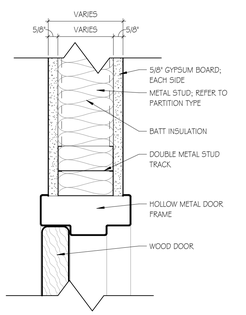
4 INT. DOOR HEAD
SCALE: 3" = 1'-0"



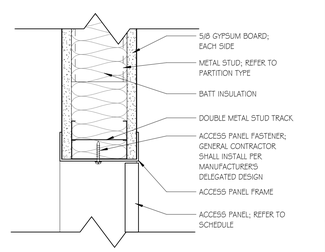
7 ACCESS PANEL HEAD & SILL
SCALE: 3" = 1'-0"



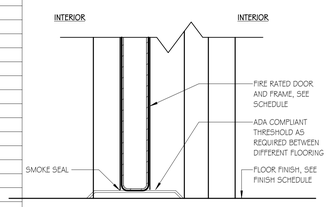
2 INT. DOOR JAMB - 1GS
SCALE: 3" = 1'-0"



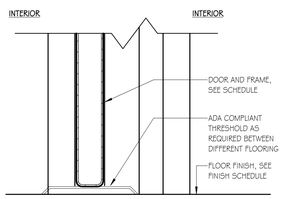
5 INT. DOOR JAMB
SCALE: 3" = 1'-0"



8 ACCESS PANEL JAMB
SCALE: 3" = 1'-0"



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



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

DOOR NUMBERED NOTES

01 FIRE AND SMOKE RATED DOOR SYSTEM; PROVIDE SMOKE SEALS AND POSITIVE LATCHING
02 SOUND RATED DOOR ASSEMBLY. MATCH RATING OF PARTITION IN WHICH LOCATED
03 180 DEGREE DOOR SWING HARDWARE
04 PROVIDE PANIC HARDWARE
05 MECHANICAL KEYPAD LOCK. SEE SPECIFICATION 08 7100
06 DOOR HOOKS. RE: TOILET ACCESSORY SCHEDULE
07 PROVIDE DOOR SIGNAGE TO THE ROOM WITH THE MAIN FIRE ALARM PANEL LABELED AS "FACP," "FIRE ALARM," OR SIMILAR TERMS.

DOOR GENERAL NOTES

1) GENERAL:
A. DOOR AND/OR FRAME CONSTRUCTION SHALL BE AS SPECIFIED UNLESS NOTED OTHERWISE.
B. ALL TYPES OF DOORS ARE REPRESENTED IN THIS SCHEDULE FOR CONVENIENCE. WHERE MORE DESCRIPTIVE INFORMATION MAY BE LOCATED ELSEWHERE, NOTATION IS MADE IN THE NUMBERED NOTES COLUMN. (E.G. ALUMINUM FRAMED ENTRANCE DOORS. SEE SPECIFICATIONS)

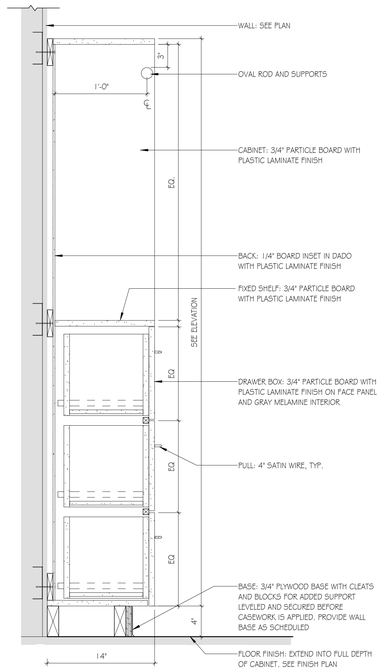
2) MATERIAL AND FINISH:
A. MATERIALS AND FINISHES INDICATED ON THE SCHEDULE ARE AS FOLLOWS:

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

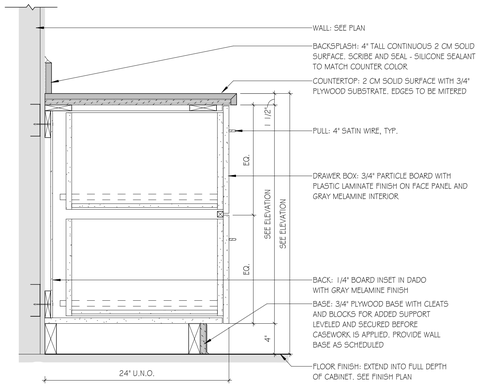
3) GLASS:
A. GLASS TYPES INDICATED ON THE SCHEDULE ARE AS FOLLOWS (SEE SPECIFICATION SECTIONS 08 8000 'GLAZING' & 13 4900 'RADIATION PROTECTION'):

MONOLITHIC:

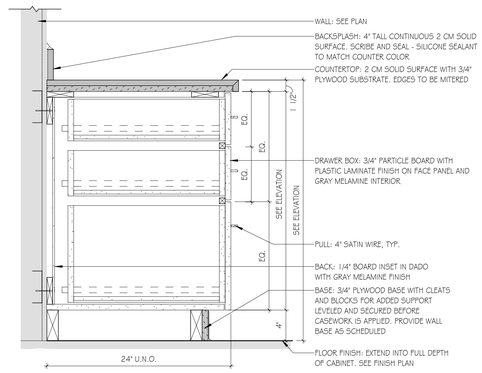
G1	6.0mm	CLEAR, TEMPERED (INCREASE TO 12.0mm TH. AT 2-SIDED GLAZING)
G1A	6.0mm	CLEAR, HEAT STRENGTHENED
G2	6.0mm	ULTRACLEAR, TEMPERED
G3	4.0mm(x2)	ULTRACLEAR, TEMPERED, 2 LITES + INTEGRAL BLINDS
G4	7.5mm	CLEAR, LAMINATED, INTERLAYER COLOR: CLEAR
G5	7.5mm	ULTRACLEAR, LAMINATED, INTERLAYOR COLOR: CLEAR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



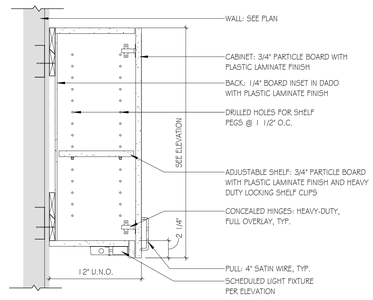
F1 TYP. CLOSET SYSTEM
SCALE: 11/2" = 1'-0"



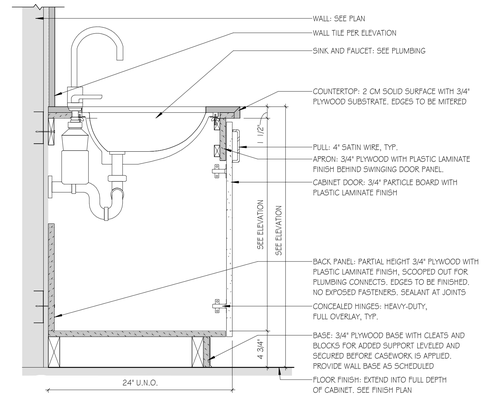
H4 2-DRAWER BASE CABINET
SCALE: 11/2" = 1'-0"



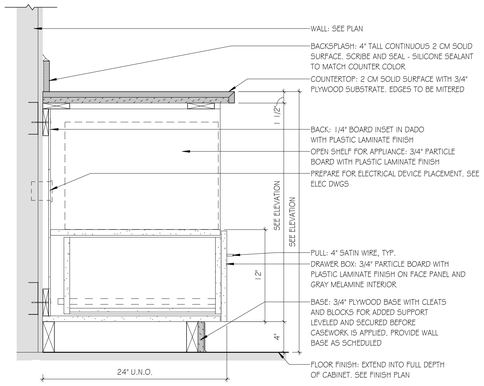
H7 3-DRAWER BASE CABINET
SCALE: 11/2" = 1'-0"



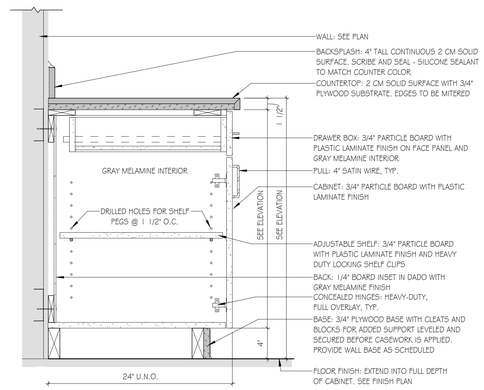
J10 TYP. UPPER CABINET
SCALE: 11/2" = 1'-0"



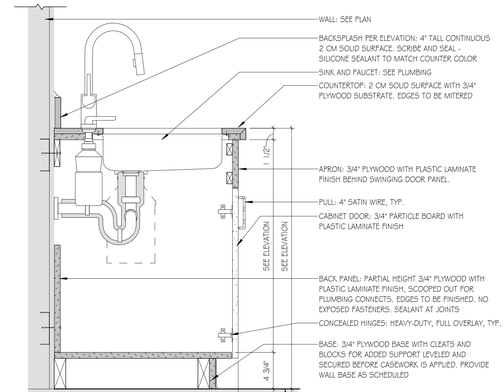
F10 TYP. VANITY CABINET
SCALE: 11/2" = 1'-0"



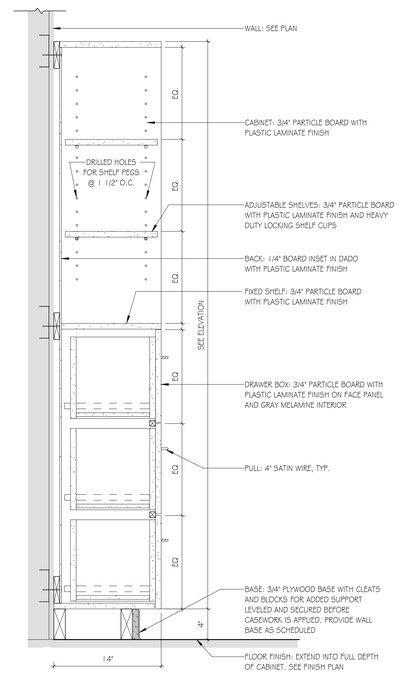
E4 MICROWAVE BASE CABINET
SCALE: 11/2" = 1'-0"



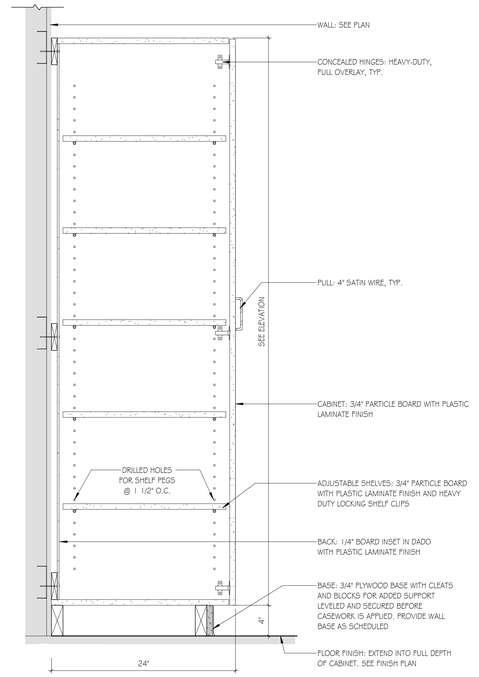
E7 TYP. BASE CABINET
SCALE: 11/2" = 1'-0"



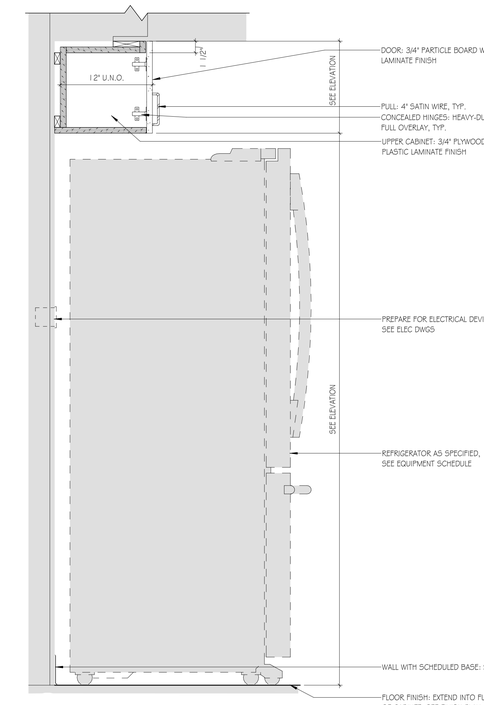
C10 TYP. SINK CABINET
SCALE: 11/2" = 1'-0"



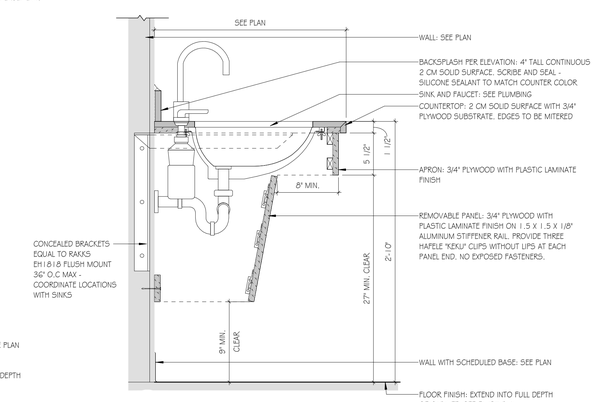
A1 TYP. CLOSET SYSTEM
SCALE: 11/2" = 1'-0"



A4 TYP. TALL CABINET
SCALE: 11/2" = 1'-0"



A7 TYP. UPPER CABINET - REFRIGERATOR
SCALE: 11/2" = 1'-0"



A10 TYP. ADA BASE CABINET
SCALE: 11/2" = 1'-0"

TEMPLATE VERSION: 2022.1

GMC
Goodwyn Mills Cawood, LLC
11 North Water Street, Suite 19290
Mobile, AL 36602
T 251.460.4006
GMCNETWORK.COM

ISSUE	DATE
ISSUE FOR BID	07/29/2026

DRAWN BY: EH, KB
CHECKED BY: VR

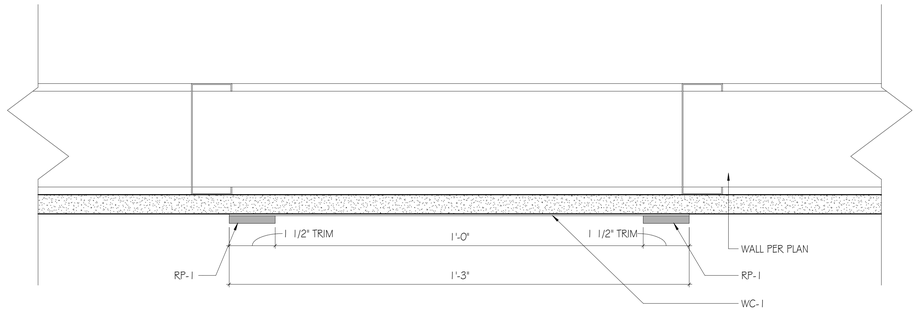
SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

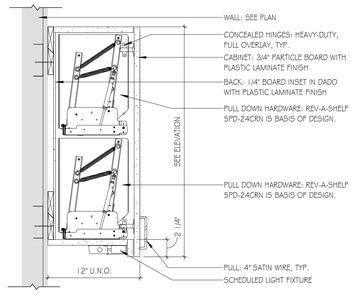
STATE OF ALABAMA
VIRGINIA BROOKE RODNEY REGISTERED
07/29/2026
7170
REGISTERED ARCHITECT

MILLWORK DETAILS

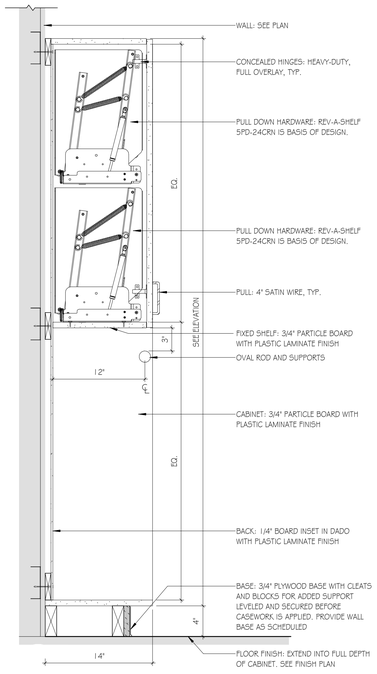
A7.11



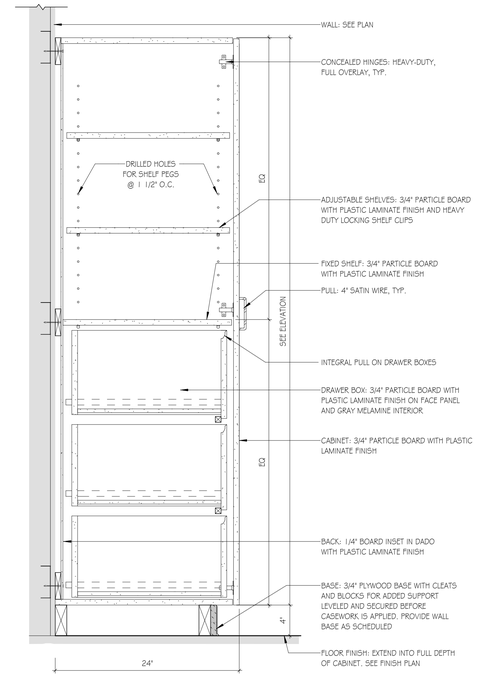
H5 TYP. UNIT SIGNAGE
SCALE: 6" = 1'-0"



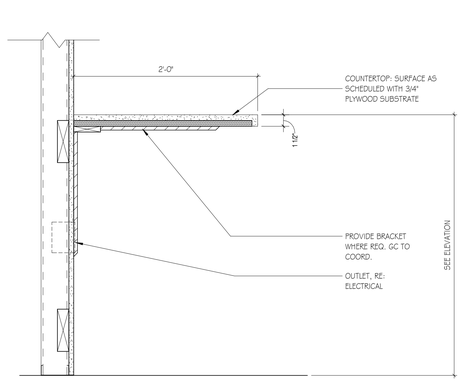
H10 TYP. ADA UPPER CABINET
SCALE: 1 1/2" = 1'-0"



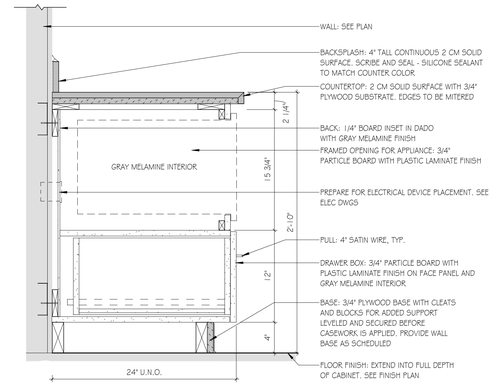
D7 ADA CLOSET SYSTEM
SCALE: 1 1/2" = 1'-0"



D10 ADA TALL CABINET
SCALE: 1 1/2" = 1'-0"



A7 TYP. OPEN COUNTER
SCALE: 1 1/2" = 1'-0"



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

GMC
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ISSUE | DATE
ISSUE FOR BID | 07/29/2026

DRAWN BY: EH, KB
CHECKED BY: VR, JW

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA
REGINA BROOKE RODRIGUEZ
07/29/2026
7170
REGISTERED ARCHITECT

MILLWORK DETAILS

A7.12

TEMPLATE VERSION: 2022.1

FINISH NOTES

NUMBERED NOTES:

1. PROVIDE AND INSTALL CRASH RAIL (CR-1) ALONG CORRIDOR WALLS. REFERENCE A1.0/A1.10. PROVIDE AND INSTALL CORNER GUARDS (CG-1) WHERE NOTED.
2. LVT-2 SHALL ALIGN WITH ROOM SIGNAGE. REFER TO 1/A7.02 FOR FURTHER INFORMATION.

FLOORS:

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

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

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

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

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

WALLS:

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

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

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

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

- INSTALL FINISH STRIP AS SCHEDULED AT ALL EXPOSED TILE EDGES & CORNERS

MILLWORK / CASEWORK:

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

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

- GROMMET LOCATIONS TO BE COORDINATED WITH OWNER

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

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

MISC:

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

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

- PROVIDE BLOCKING FOR ALL GRAB BARS AND TOILET ACCESSORIES

- WHERE CEILINGS ARE CALLED OUT TO BE PAINTED, BOTH CEILING AND SOFFIT/BULKHEAD WALLS ARE TO BE PAINTED ACCENT COLOR

- ROLLER SHADES AND BLINDS ARE TAGGED ON THE RCP

- NON ADA TOILET FIXTURES SHALL BE CENTERED IN STALL

- WALL TILE TO BE INSTALLED TO 72" A.F.F. ON ALL WET WALLS

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

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

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

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

RCP NOTES:

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

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

- ALL BULKHEADS TO BE 4" BELOW ADJACENT ACT CEILING UNLESS NOTED OTHERWISE (LARGE JOBS ONLY)

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

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

- ALL GYP CEILINGS TO BE PAINTED (PNT-3) UNLESS OTHERWISE NOTED IN RCP. BOTH CEILING AND SOFFIT /BULKHEAD SURFACES ARE TO BE PAINTED THE SAME COLOR.

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

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

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

INTERIOR FINISH LEGEND

FLOOR

NUMBER	TYPE	DETAIL DESCRIPTION
CPT-2	CARPET	MANUFACTURER: TARKETT STYLE NAME: THREAD CRAFT I 1569 COLOR: BLANCHED 60805 SIZE: 18"x36" INSTALLATION: STACKED LOCATION: SEE FINISH SCHEDULE
HTF-1	HARD FLOOR TILE	MANUFACTURER: DALTILE STYLE NAME: OUTLANDER COLOR: MOONLIGHT OU56 MATTE SIZE: 12" X 24" INSTALLATION: 1/3 STAGGERED GROUT: TBD LOCATION: SEE FINISH SCHEDULE
LVT-1	LUXURY VINYL TILE (FIELD TILE)	MANUFACTURER: TARKETT STYLE NAME: EVENT+ WOOD; PECF CRAFTED PLANK COLOR: GILDED OAK I 1210 SIZE: 6X48 INSTALLATION: UNIDIRECTIONAL LOCATION: SEE FINISH SCHEDULE
LVT-3	LUXURY VINYL TILE (ACCENT TILE)	MANUFACTURER: TARKETT STYLE NAME: CONTOUR ABSTRACT; AQUARELLE PCQL COLOR: SEAGLASS I 1399 SIZE: 12" X 36" INSTALLATION: VERTICAL ASHLAR LOCATION: SEE FINISH SCHEDULE
SC-1	SEALED CONCRETE	MANUFACTURER: EUCID CHEMICAL PRODUCT: EUCO DIAMOND HARD LOCATION: SEE FINISH SCHEDULE
WOM-1	WALK-OFF MAT (REMOVABLE MAT)	MANUFACTURER: TARKETT STYLE NAME: ABRASIVE ACTION II 02578 COLOR: WINTER GRAY 19103 EDGE: 1/4" JOHNSONITE REDUCER, COLOR TBD SIZE: 4'x6' LOCATION: SEE FINISH PLAN

TRANSITION

NUMBER	TYPE	DETAIL DESCRIPTION
TR-2	TRANSITION (LVT TO SC)	MANUFACTURER: SCHLUTER STYLE NAME: SCHLUTER RENO-RAMP-AERP I 25 B65 MATERIAL: ANODIZED ALUMINUM FINISH: TBD SIZE: LOCATION: SEE FINISH PLAN
TR-3	TRANSITION (HTF TO LVT)	MANUFACTURER: SCHLUTER STYLE NAME: RENO-U MATERIAL: ANODIZED ALUMINUM FINISH: TBD SIZE: 8mm (5/16") LOCATION: SEE FINISH PLAN
TR-4	TRANSITION (@ EXPOSED WALL TILE EDGES & CORNERS)	MANUFACTURER: SCHLUTER STYLE NAME: JOLLY MATERIAL: ANODIZED ALUMINUM FINISH: TBD SIZE: 8mm (5/16") LOCATION: SEE INTERIOR ELEVATIONS
TR-5	TRANSITION (COVE BASE)	MANUFACTURER: SCHLUTER STYLE NAME: DILEX AHKA MATERIAL: ANODIZED ALUMINUM FINISH: TBD SIZE: 8mm (5/16") LOCATION: SEE INTERIOR ELEVATIONS
TR-5	TRANSITION (COVE BASE)	MANUFACTURER: SCHLUTER STYLE NAME: DILEX AHKA MATERIAL: ANODIZED ALUMINUM FINISH: SATIN NICKEL SIZE: 8mm (5/16") LOCATION: SEE INTERIOR ELEVATIONS

WALL

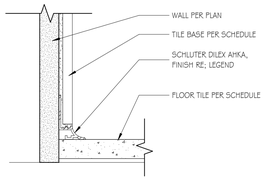
NUMBER	TYPE	DETAIL DESCRIPTION
PNT-1	GENERAL/MAIN PAINT	MANUFACTURER: SHERWIN WILLIAMS COLOR: REPOSE GRAY SW7015 FINISH: SATIN LOCATION: SEE FINISH SCHEDULE
PNT-2	DOOR FRAME	MANUFACTURER: SHERWIN WILLIAMS COLOR: REPOSE GRAY SW7015 FINISH: SEMI-GLOSS LOCATION:INTERIOR DOOR FRAME
PNT-3	MAIN CEILING/SOFFIT PAINT	MANUFACTURER: SHERWIN WILLIAMS COLOR: FLEUR DE SEL SW7666 FINISH: FLAT LOCATION: SEE FINISH SCHEDULE
PNT-4	EPOXY CEILING/SOFFIT PAINT	MANUFACTURER: SHERWIN WILLIAMS COLOR: FLEUR DE SEL SW7666 (EPOXY) FINISH: FLAT LOCATION: SEE FINISH SCHEDULE
PNT-5	EPOXY ACCENT PAINT	MANUFACTURER: SHERWIN WILLIAMS COLOR: TRADEWIND SW6218 (EPOXY) FINISH: SATIN LOCATION: SEE FINISH SCHEDULE
PNT-6	EPOXY PAINT	MANUFACTURER: SHERWIN WILLIAMS COLOR: REPOSE GRAY SW7015 FINISH: SATIN LOCATION: SEE FINISH SCHEDULE
PNT-7	EXPOSED STRUCTURE/ EQUIPMENT	MANUFACTURER: SHERWIN WILLIAMS COLOR: SW 6258 TRICORN BLACK FINISH: FLAT LOCATION: SEE FINISH SCHEDULE
HTW-2	HARD WALL TILE	MANUFACTURER: PORCELANOSA STYLE NAME: SPIGA PRADA COLOR: ACERO SIZE: 18" X 47" INSTALLATION: STACKED VERTICAL GROUT: LOCATION: SEE FINISH SCHEDULE
WC-1	WALL COVERING (INTERIOR SIGNAGE)	MANUFACTURER: MITCHELL BLACK STYLE NAME: ANGEL FISH MATERIAL: CONTRACT TYPE II VINYL COLOR: BLACK; WC429-BK LOCATION: INTERIOR SIGNAGE
WC-2	WALL COVERING	MANUFACTURER: MITCHELL BLACK STYLE NAME: ANGEL FISH MATERIAL: CONTRACT TYPE II VINYL COLOR: TAUPE; WC429-TA LOCATION: SEE FINISH PLAN

BASE

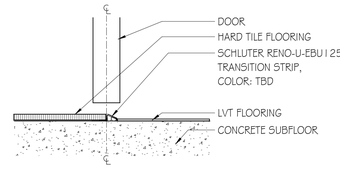
NUMBER	TYPE	DETAIL DESCRIPTION
RB-1	RUBBER BASE	MANUFACTURER: JOHNSONITE STYLE NAME: TIGHTLOCK RESILIENT BASE COLOR: 179 STEEL WG SIZE: 6 1/2" INSTALLATION: ADHERE LOCATION: SEE FINISH SCHEDULE

MISC

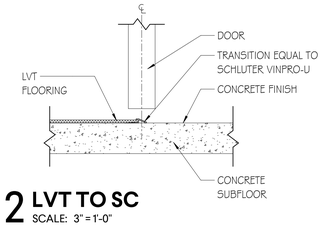
NUMBER	TYPE	DETAIL DESCRIPTION
PL-1	PLASTIC LAMINATE [TYP. FACE]	MANUFACTURER: WILSONART STYLE NAME: TRACELESS COLOR: SILK VELVET I 5513 FINISH: ULTRA MATTE LOCATION: SEE FINISH SCHEDULE
PL-2	PLASTIC LAMINATE [TYP TOP]	MANUFACTURER: WILSONART STYLE NAME: TRACELESS COLOR: ETHEREAL VELVET I 5517 FINISH: ULTRA MATTE LOCATION: SEE FINISH SCHEDULE
PL-3	PLASTIC LAMINATE	MANUFACTURER: ARAUCO COLOR: SF213 FOG GREY FINISH: LOCATION: CUSTOM CLOSET SYSTEMS
SS-1	SOLID SURFACE	MANUFACTURER: WILSONART COLOR: GULFCOAST 923955 THICKNESS: LOCATION:
SS-2	SOLID SURFACE	MANUFACTURER: WILSONART COLOR: MORNING ICE 9204CE THICKNESS: LOCATION: VANITIES; WINDOW SILL
CG-1	CORNER GUARDS	MANUFACTURER: ACROVYN STYLE NAME: PVC - FREE REGRIND RETAINER COLOR: OZARK #3114 SIZE: 3" X 3" X 4'-0"; 90 DEGREE LOCATION: SEE FINISH PLAN
CR-1	CRASH/CHAIR RAIL	MANUFACTURER: ACROVYN STYLE NAME: FRW-270 COLOR: OZARK #3114 & SMOKED RIPPLED MAPLE 1632 SIZE: 3.75" HT LOCATION: CORRIDORS
RP-1	RESIN PANEL (INTERIOR SIGNAGE + DIGITAL PRINT)	MANUFACTURER: 3FORM STYLE NAME: VARIA 1/4" / 6.3mm COLOR: BUOYANT B20 + REFLECT LETTERS & NO.: DIGITAL PRINT FINISH: VELLUM, POLISHED EDGE APPLICATION: DIRECT APPLIED LOCATION: INTERIOR UNIT SIGNAGE
RS-1	ROLLER SHADES	MANUFACTURER: MECHO STYLE NAME: SOHO ELEVATE 1680 SERIES COLOR: 1683 LIGHT GREY LOCATION: REFER TO FINISH PLAN
VI-1	VINYL (INTERIOR SIGNAGE)	MANUFACTURER: 3FORM STYLE NAME: VINYL LETTER/NUMBER COLOR: BLACK FONT: TBD SIZE: TBD LOCATION: INTERIOR SIGNAGE
WD-1	WOOD	MANUFACTURER: MASONITE ARCHITECTURAL STYLE NAME: NATURAL BIRCH (ROTARY) COLOR: CANE LOCATION: INTERIOR DOORS
ST-1	WOOD STAIN	MANUFACTURER: MINWAX COLOR: MW 4 I 3 LOCATION: WOOD SHELVING



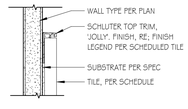
5 SCHLUTER COVE BASE
SCALE: 6" = 1'-0"



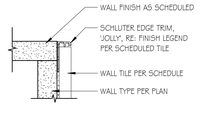
3 HTF TO LVT
SCALE: 3" = 1'-0"



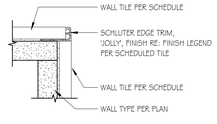
2 LVT TO SC
SCALE: 3" = 1'-0"



6 SCHLUTER STRIP @ EDGE OF TILE
SCALE: 6" = 1'-0"



4B SCHLUTER @ OUTSIDE CORNER GYP
SCALE: 6" = 1'-0"



4A SCHLUTER @ OUTSIDE CORNER
SCALE: 6" = 1'-0"

GMC
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11 North Water Street, Suite 19290
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GMCNETWORK.COM

ISSUE | DATE
ISSUE FOR BID | 07/29/2026

DRAWN BY: KB
CHECKED BY: VR

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA
REGISTERED ARCHITECT
MARINA BROOKE RODRIGUEZ
07/29/2026
7170

FINISH LEGEND, NOTES & DETAILS

A8.01

TEMPLATE VERSION: 2022.1

FINISH NOTES

NUMBERED NOTES:

1. PROVIDE AND INSTALL CRASH RAIL (CR-1) ALONG CORRIDOR WALLS. REFERENCE A10/A1.10. PROVIDE AND INSTALL CORNER GUARDS (CG-1) WHERE NOTED.
2. LVT-2 SHALL ALIGN WITH ROOM SIGNAGE. REFER TO 1/A7.02 FOR FURTHER INFORMATION.

FLOORS:

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

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

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

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

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

WALLS:

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

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

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

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

- INSTALL FINISH STRIP AS SCHEDULED AT ALL EXPOSED TILE EDGES & CORNERS

MILLWORK / CASEWORK:

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

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

- GROMMET LOCATIONS TO BE COORDINATED WITH OWNER

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

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

MISC:

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

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

- PROVIDE BLOCKING FOR ALL GRAB BARS AND TOILET ACCESSORIES

- WHERE CEILINGS ARE CALLED OUT TO BE PAINTED, BOTH CEILING AND SOFFIT/BULKHEAD WALLS ARE TO BE PAINTED ACCENT COLOR

- ROLLER SHADES AND BLINDS ARE TAGGED ON THE RCP

- NON ADA TOILET FIXTURES SHALL BE CENTERED IN STALL

- WALL TILE TO BE INSTALLED TO 72" A.F.F. ON ALL WET WALLS

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

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

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

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

RCP NOTES:

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

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

- ALL BULKHEADS TO BE 4" BELOW ADJACENT ACT CEILING UNLESS NOTED OTHERWISE (LARGE JOBS ONLY)

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

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

- ALL GYP CEILINGS TO BE PAINTED (PNT-3) UNLESS OTHERWISE NOTED IN RCP. BOTH CEILING AND SOFFIT /BULKHEAD SURFACES ARE TO BE PAINTED THE SAME COLOR.

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

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

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

TOILET ACCESSORIES SCHEDULE

TAG	DESCRIPTION	OFCI/ CFCI
TA01	TOILET TISSUE DISP - DBL. STD. ROLL W/SHELF	CFCI
TA22	36" HORIZONTAL GRAB BAR	CFCI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA27	GRAB BAR - TWO-WALL 18"x33"	CFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	CFCI
TA33	ROBE HOOK (ADA FRONT APPROACH)	CFCI
TA38	18" HORIZONTAL GRAB BAR	CFCI
TA43	SHOWER SEAT - FOLDING, RECTANGULAR	CFCI
TA50	TOILET TISSUE DISP - SGL ROLL	CFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI
TA96	SHOWER CURTAIN ROD WITH CONCEALED MOUNTING, SATIN FINISH. SHOWER CURTAIN WHITE VINYL AND STAINLESS STEEL HOOKS	CFCI

EQUIPMENT SCHEDULE

TAG	DESCRIPTION	OFCI/ CFCI	COUNT
E1	24" FREESTANDING ELECTRIC RANGE; WHIRLPOOL #WFE500M4HS	CFCI	2
E2	HOOD SYSTEM; DENLAR #D5-30-F, RE: MECHANICAL	CFCI	18
E3	24" COUNTERTOP MICROWAVE; GE #GCST2051WSS	CFCI	15
E4	20" COUNTERTOP MICROWAVE; GE #GCST09N1WSS	CFCI	2
E5	24" BUILT-IN MICROWAVE DRAWER; ZLINE #MWD-1-H	CFCI	1
E6	30" REFRIGERATOR; FRIGIDAIRE #FFTR2045V	CFCI	18
E7	STACKED WASHER/DRYER; GE #GUD27ES5M, RE: PLUMBING	CFCI	15
E8	FRONT LOAD WASHING MACHINE; GE #GFW350S5YWW	CFCI	3
E9	DRYER; GE #GFD35ES5YWW	CFCI	3
E10	ICE MACHINE; SUMMIT #BIM210, RE: PLUMBING	CFCI	1
E11	24" FREESTANDING ELECTRIC RANGE; FRIGIDAIRE #FCFE2425AS	CFCI	16

CFCI = CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFCI = OWNER FURNISHED, CONTRACTOR INSTALLED

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALL	MILLWORK/CASEWORK CABINET	MILLWORK/CASEWORK COUNTERTOP	COMMENTS
249	GULF STUDIO 49	LVT-1	RB-1	PNT-1, PNT-6	PL-2, PL-3	SS-1, PL-3	
249B	R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
249C	W/D	LVT-1	RB-1	PNT-6			

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALL	MILLWORK/CASEWORK CABINET	MILLWORK/CASEWORK COUNTERTOP	COMMENTS
201	CORRIDOR	LVT-1, LVT-3	RB-1	PNT-1, WC-1, RP-5			1, 2
202	ELECTRICAL	SC-1	RB-1	PNT-1			
203A	MECHANICAL	SC-1	RB-1	PNT-1			
203B	MECH. CHASE	-	-	-			
204	UTILITY 4	LVT-1	RB-1	PNT-1			
205	UTILITY 5	LVT-1	RB-1	PNT-1			
206	UTILITY 6	LVT-1	RB-1	PNT-1			
207	UTILITY 7	LVT-1	RB-1	PNT-1			
208	UTILITY 8	LVT-1	RB-1	PNT-1			
209	ELEV. EQUIPMENT WORK SPACE	LVT-1	RB-1	PNT-1			
210	UTILITY 10	LVT-1	RB-1	PNT-1			
211	ELEC 3	LVT-1	RB-1	PNT-1			
212	UTILITY 11	LVT-1	RB-1	PNT-1			
213	TELCOMM ROOM	SC-1	RB-1	PNT-1			
214	UTILITY 9/ JANITOR	SC-1	RB-1	PNT-1			
215	UTILITY 8	LVT-1	RB-1	PNT-1			
216	ELEC 2	LVT-1	RB-1	PNT-1			
232	GULF ADA SUITE 32	LVT-1	RB-1	PNT-1, PNT-6	PL-2	SS-1	
232B	BEDROOM 2	LVT-1	RB-1	PNT-1	PL-3	PL-3	
232C	BEDROOM 1	LVT-1	RB-1	PNT-1	PL-3	PL-3	
232D	ADA R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
232E	W/D	LVT-1	RB-1	PNT-6			
233	GULF SUITE 33	LVT-1	RB-1	PNT-1, PNT-6	PL-2	SS-1	
233B	BEDROOM 3	LVT-1	RB-1	PNT-1	PL-3	PL-3	
233C	BEDROOM 4	LVT-1	RB-1	PNT-1	PL-3	PL-3	
233D	R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
233E	W/D	LVT-1	RB-1	PNT-6			
234	GULF SUITE 34	LVT-1	RB-1	PNT-1, PNT-6	PL-2	SS-1	
234B	BEDROOM 6	LVT-1	RB-1	PNT-1	PL-3	PL-3	
234C	BEDROOM 5	LVT-1	RB-1	PNT-1	PL-3	PL-3	
234D	R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
234E	W/D	LVT-1	RB-1	PNT-6			
235	GULF SUITE 35	LVT-1	RB-1	PNT-1, PNT-6	PL-2	SS-1	
235B	BEDROOM 7	LVT-1	RB-1	PNT-1	PL-3	PL-3	
235C	BEDROOM 8	LVT-1	RB-1	PNT-1	PL-3	PL-3	
235D	R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
235E	W/D	LVT-1	RB-1	PNT-6			
236	GULF SUITE 36	LVT-1	RB-1	PNT-1, PNT-6	PL-2	SS-1	
236B	BEDROOM 10	LVT-1	RB-1	PNT-1	PL-3	PL-3	
236C	BEDROOM 9	LVT-1	RB-1	PNT-1	PL-3	PL-3	
236D	R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
236E	W/D	LVT-1	RB-1	PNT-6			
237	GULF SUITE 37	LVT-1	RB-1	PNT-1, PNT-6	PL-2	SS-1	
237B	BEDROOM 11	LVT-1	RB-1	PNT-1	PL-3	PL-3	
237C	BEDROOM 12	LVT-1	RB-1	PNT-1	PL-3	PL-3	
237D	R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
237E	W/D	LVT-1	RB-1	PNT-6			
238	GULF SUITE 38	LVT-1	RB-1	PNT-1, PNT-6	PL-2	SS-1	
238B	BEDROOM 14	LVT-1	RB-1	PNT-1	PL-3	PL-3	
238C	BEDROOM 13	LVT-1	RB-1	PNT-1	PL-3	PL-3	
238D	R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
238E	W/D	LVT-1	RB-1	PNT-6			
239	GULF SUITE 39	LVT-1	RB-1	PNT-1, PNT-6	PL-2	SS-1	
239B	BEDROOM 15	LVT-1	RB-1	PNT-1	PL-3	PL-3	
239C	BEDROOM 16	LVT-1	RB-1	PNT-1	PL-3	PL-3	
239D	R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
239E	W/D	LVT-1	RB-1	PNT-6			
240	GULF SUITE 40	LVT-1	RB-1	PNT-1, PNT-6	PL-2	SS-1	
240B	BEDROOM 18	LVT-1	RB-1	PNT-1	PL-3	PL-3	
240C	BEDROOM 17	LVT-1	RB-1	PNT-1	PL-3	PL-3	
240D	R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
240E	W/D	LVT-1	RB-1	PNT-6			
241	GULF SUITE 41	LVT-1	RB-1	PNT-1, PNT-6	PL-2	SS-1	
241B	BEDROOM 19	LVT-1	RB-1	PNT-1	PL-3	PL-3	
241C	BEDROOM 20	LVT-1	RB-1	PNT-1	PL-3	PL-3	
241D	R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
241E	W/D	LVT-1	RB-1	PNT-6			
242	GULF SUITE 42	LVT-1	RB-1	PNT-1, PNT-6	PL-2	SS-1	
242B	BEDROOM 22	LVT-1	RB-1	PNT-1	PL-3	PL-3	
242C	BEDROOM 21	LVT-1	RB-1	PNT-1	PL-3	PL-3	
242D	R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
242E	W/D	LVT-1	RB-1	PNT-6			
243	GULF SUITE 43	LVT-1	RB-1	PNT-1, PNT-6	PL-2	SS-1	
243B	BEDROOM 23	LVT-1	RB-1	PNT-1	PL-3	PL-3	
243C	BEDROOM 24	LVT-1	RB-1	PNT-1	PL-3	PL-3	
243D	BEDROOM 25	LVT-1	RB-1	PNT-1	PL-3	PL-3	
243E	R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
243F	R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
243G	W/D	LVT-1	RB-1	PNT-6			
244	ADA GULF SUITE 44	LVT-1	RB-1	PNT-1, PNT-6	PL-2	SS-1	
244B	BEDROOM 26	LVT-1	RB-1	PNT-1	PL-3	PL-3	
244C	BEDROOM 27	LVT-1	RB-1	PNT-1	PL-3	PL-3	
244D	ADA R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
244E	W/D	LVT-1	RB-1	PNT-6			
245	GULF SUITE 45	LVT-1	RB-1	PNT-1, PNT-6	PL-2	SS-1	
245B	BEDROOM 28	LVT-1	RB-1	PNT-1	PL-3	PL-3	
245C	BEDROOM 29	LVT-1	RB-1	PNT-1	PL-3	PL-3	
245D	R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
245E	W/D	LVT-1	RB-1	PNT-6			
246	GULF SUITE 46	LVT-1	RB-1	PNT-1, PNT-6	PL-2	SS-1	
246B	BEDROOM 31	LVT-1	RB-1	PNT-1	PL-3	PL-3	
246C	BEDROOM 30	LVT-1	RB-1	PNT-1	PL-3	PL-3	
246D	R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
246E	W/D	LVT-1	RB-1	PNT-6			
247	GULF SUITE 47	LVT-1	RB-1	PNT-1, PNT-6	PL-2	SS-1	
247B	BEDROOM 32	LVT-1	RB-1	PNT-1			
247C	BEDROOM 33	LVT-1	RB-1	PNT-1			
247D	R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
247E	W/D	LVT-1	RB-1	PNT-6			
248	GULF SUITE 48	LVT-1	RB-1	PNT-1, PNT-6	PL-2	SS-1	
248B	BEDROOM 35	LVT-1	RB-1	PNT-1			
248C	BEDROOM 34	LVT-1	RB-1	PNT-1			
248D	R.R.	HTW-1	HTW-2	PNT-5, HTW-2	PL-1	SS-2	
248E	W/D	LVT-1	RB-1	PNT-6			

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SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA · VIRGINIA BROOKE RODNEY · REGISTERED ARCHITECT · 07/29/2026 · 7170

FINISH SCHEDULE

A8.02

TEMPLATE VERSION: 2022.1



PLAN NORTH

TRUE NORTH

1 SECOND FLOOR FINISH FLOOR PLAN

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

FINISH PLAN SYMBOLS LEGEND

- ..... CG-1, CORNER GUARD
- CR-1 ..... CRASH RAIL LOCATION
- RS-1 ..... ROLLER SHADE LOCATION

FLOOR FINISH HATCH LEGEND

	CPT-2 (CARPET)
	HTF-1 (HARD FLOOR TILE)
	LVT-1 (LUXURY VINYL TILE)
	LVT-3 (LUXURY VINYL TILE)
	SC-1 (SEALED CONCRETE)
	WOM-1 (WALK-OFF MAT, REMOVABLE)

GENERAL NOTES - FINISH PLAN

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

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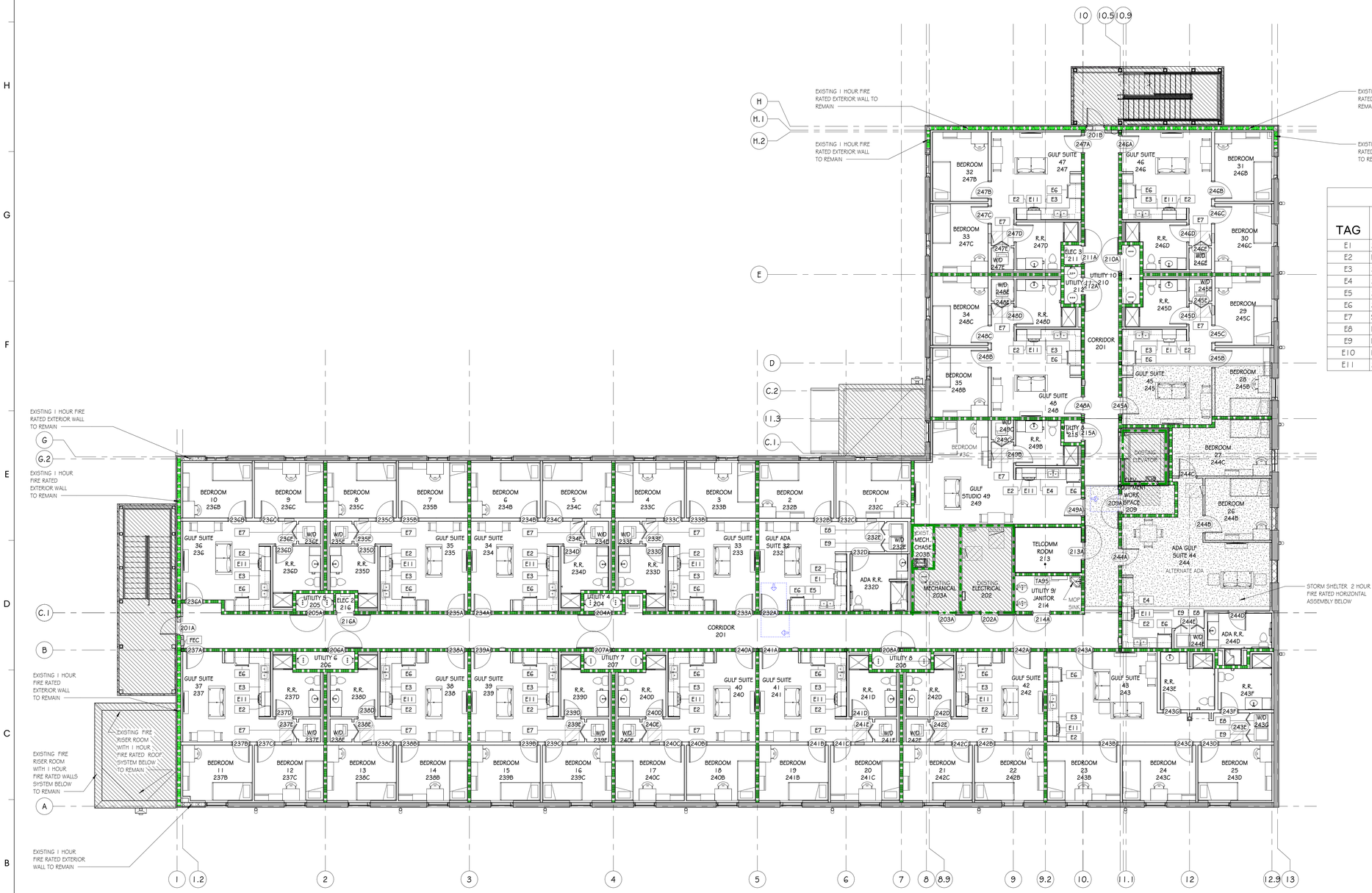
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STATE OF ALABAMA
VIRGINIA BROOKE RODRIGUEZ
07/29/2026
7170
REGISTERED ARCHITECT

FINISH PLAN

A8.03

TEMPLATE VERSION: 2022.1



EQUIPMENT SCHEDULE

TAG	DESCRIPTION	OFCI/ CFCI	COUNT
E1	24" FREESTANDING ELECTRIC RANGE; WHIRLPOOL #WFE500M4HS	CFCI	2
E2	HOOD SYSTEM; DENLAR #DS-30-F, RE: MECHANICAL	CFCI	18
E3	24" COUNTERTOP MICROWAVE; GE #GCST2051WSS	CFCI	15
E4	20" COUNTERTOP MICROWAVE; GE #GCST09N1WSS	CFCI	2
E5	24" BUILT-IN MICROWAVE DRAWER; ZLINE #MWD-1-H	CFCI	1
E6	30" REFRIGERATOR; FRIGIDAIRE #FFTR2045V	CFCI	18
E7	STACKED WASHER/DRYER; GE #GUD27ESSM, RE: PLUMBING	CFCI	15
E8	FRONT LOAD WASHING MACHINE; GE #GFW350SSYWW	CFCI	3
E9	DRYER; GE #GFD35ESSYWW	CFCI	3
E10	ICE MACHINE; SUMMIT #BIM210, RE: PLUMBING	CFCI	1
E11	24" FREESTANDING ELECTRIC RANGE; FRIGIDAIRE #FCFE2425AS	CFCI	16

EQUIPMENT GENERAL NOTES:

1. GENERAL CONTRACTOR SHALL COORDINATE ALL PLUMBING ITEMS SUCH AS DRAINS, PIPE, PENETRATIONS, WITH EQUIPMENT.
2. GENERAL CONTRACTOR SHALL COORDINATE ALL MECHANICAL EXHAUST VENTS AND DRYER VENTS.
3. GENERAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL ITEMS SUCH AS OUTLETS, POWER REQUIREMENTS FOR NEW EQUIPMENT.
4. CONTRACTOR SHALL PROVIDE AND INSTALL EQUIPMENT PROVIDED ON SCHEDULE.
5. COORDINATE ALL EQUIPMENT WITH MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL..
6. CONTRACTOR SHALL VERIFY ALL EQUIPMENT INFORMATION WITH ACTUAL EQUIPMENT.
7. KITCHEN HOODS SHALL OVERHANG COOKING EQUIPMENT 6 INCHES ON ALL OPEN SIDES AND INSTALL HOOD 6'-8" ABOVE FINISH FLOOR.
8. CFCI - CONTRACTOR FURNISHED CONTRACTOR INSTALLED.

PLAN NORTH TRUE NORTH

1 SECOND FLOOR INTERIOR FIT-OUT EQUIPMENT PLAN

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

TEMPLATE VERSION: 2022.1

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DCM# 2026138
GMC AMOB260001

STATE OF ALABAMA
VERONICA BROOKE RODRIGUEZ
07/29/2026
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REGISTERED ARCHITECT

EQUIPMENT PLAN

A8.04

HVAC ABBREVIATIONS

A	AMPS
ACH	AIR CHANGE PER HOUR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AP	ACCESS PANEL
AHRI	AIR CONDITIONING, HEATING, AND REFRIGERATION INSTITUTE
AUX	AUXILIARY
BD	BALANCING DAMPER
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
C	CONDENSATE
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CO	CLEANOUT
COP	COEFFICIENT OF PERFORMANCE
CR	CELING REGISTER
CU	CONDENSING UNIT; COPPER
CV	COEFFICIENT OF VALVE
DB	DRY BULB
DDC	DIRECT DIGITAL CONTROLS
DEG	DEGREE
DELTA-T	TEMPERATURE DIFFERENCE
DEMO	DEMOLISH
DIA	DIAMETER
DN	DOWN
DP	DIFFERENTIAL PRESSURE
DWG	DRAWING
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENT RATIO
EF	EXHAUST FAN
EFF	EFFICIENCY
ELEC	ELECTRICAL
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
EXH	EXHAUST AIR
F/A	FIRE ALARM
°F	DEGREE FAHRENHEIT
FD	FIRE DAMPER; FLOOR DRAIN
FLA	FULL LOAD AMPS
FPM	FEET PER MINUTE
FRG	FILTER RETURN GRILLE
FS	FLOAT SWITCH; FLOW SWITCH
FSD	FIRE AND SMOKE DAMPER
FT	FEET
GA	GAUGE
GAL	GALLONS
GPM	GALLONS PER MINUTE
HD	HEAD
HP	HORSEPOWER; HEAT PUMP
HR	HOUR
HSPF	HEAT SEASONAL PERFORMANCE FACTOR
HZ	HERTZ
IAW	IN ACCORDANCE WITH
IN	INCH
KH	KITCHEN HOOD
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LB	POUNDS
LRA	LOCKED ROTOR AMPS
MAT	MIXED AIR TEMPERATURE
MAX	MAXIMUM
MBH	THOUSANDS OF BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION
MVD	MANUAL VOLUME DAMPER
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN; NUMBER
NTS	NOT TO SCALE
OA	OUTDOOR AIR
PD	PRESSURE DROP
PG	PRESSURE GAUGE
PHC	PREHEAT COIL
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
R	RADIUS; RELAY
RA	RETURN AIR
RAT	RETURN AIR TEMPERATURE
REFR	REFRIGERANT
RG	RETURN AIR GRILLE
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RLA	RUN LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
RR	RETURN AIR REGISTER
RTU	ROOFTOP UNIT
SA	SUPPLY AIR
SAT	SUPPLY AIR TEMPERATURE
SD	SMOKE DAMPER
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SF	SQUARE FEET; SUPPLY FAN
SP	STATIC PRESSURE
SR	SUPPLY AIR REGISTER; SIDEWALL REGISTER
SS	STAINLESS STEEL
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UC	DOOR UNDERCUT
V	VOLTS
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
VRF	VARIABLE REFRIGERANT FLOW
W	WATTS
WB	WET BULB
WC	WATER COLUMN
WG	WATER GAUGE
Φ	PHASE

HVAC LEGEND

- SUPPLY AIR DUCT UP
- SUPPLY AIR DUCT DOWN
- RETURN AIR DUCT UP
- RETURN AIR DUCT DOWN
- EXHAUST AIR DUCT UP
- EXHAUST AIR DUCT DOWN
- DEMO DUCTWORK
- EXISTING DUCTWORK
- NEW DUCTWORK
- WxH — RECTANGULAR DUCTWORK, SIZES SHOWN ARE INTERNAL CLEAR DIMENSIONS; FIRST FIGURE IS SIDE SHOWN
- W/H — OVAL DUCTWORK, SIZES SHOWN ARE INTERNAL CLEAR DIMENSIONS; FIRST FIGURE IS SIDE SHOWN
- ø — ROUND GALVANIZED STEEL DUCTWORK; SIZE SHOWN IS SHEET METAL DIAMETER
- FACTORY FABRICATED/INSULATED FLEXIBLE ROUND DUCT
- ROUND BRANCH DUCT TAKEOFF WITH SPIN-IN COLLAR AND MANUAL VOLUME DAMPER
- WxH, WxH — RECTANGULAR BRANCH DUCT TAKE OFF WITH 45° COLLAR AND MANUAL VOLUME DAMPER
- SQUARE THROAT ELBOW IN RECTANGULAR DUCT WITH TURNING VANES
- LONG RADIUS ELBOW (R = 1.5 x DIAMETER)
- RECTANGULAR TO ROUND DUCT TRANSITION
- RECTANGULAR TO RECTANGULAR DUCT TRANSITION
- MANUAL VOLUME DAMPER
- FSD — FIRE/SMOKE DAMPER
- FLEXIBLE DUCT CONNECTION
- 24 08CD / 200 CFM — CEILING DIFFUSER. PROVIDE SURFACE MOUNT STYLE WITH TRIM RING FOR GYPSUM BOARD CEILING AND LAY-IN TYPE AT T-BAR CEILING GRID. ROUND NECK SIZE AND AIRFLOW AS INDICATED. BACK FACE OF DIFFUSER SHALL HAVE INSULATION BLANKET. "24" = FACE SIZE; "08" = NECK DIAMETER 4-WAY THROW OR AS SHOWN ON PLANS
- 24x24RG / 400 CFM / 10ø — RETURN AIR GRILLE. PROVIDE SURFACE MOUNT STYLE WITH TRIM RING FOR GYPSUM BOARD CEILING AND LAY-IN TYPE AT T-BAR CEILING GRID. PROVIDE REGISTERS WITH FACE-OPERATED OPPOSED BLADE DAMPER. SIZE, AIRFLOW, DUCT COLLAR AS INDICATED.
- 24x24EG / 400 CFM / 10ø — EXHAUST AIR GRILLE. PROVIDE SURFACE MOUNT STYLE WITH TRIM RING FOR GYPSUM BOARD CEILING AND LAY-IN TYPE AT T-BAR CEILING GRID. PROVIDE REGISTERS WITH FACE-OPERATED OPPOSED BLADE DAMPER. SIZE, AIRFLOW, DUCT COLLAR AS INDICATED.

- DEMO PIPING
- EXISTING PIPING
- NEW PIPING
- PIPE UP
- PIPE DOWN
- PIPE CAP
- CONNECT TO EXISTING
- AHU 1 — EQUIPMENT TAG
- H — HUMIDISTAT
- T — THERMOSTAT

HVAC GENERAL NOTES

1. INSTALL ALL MECHANICAL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND STANDARDS.
2. CONTRACT DOCUMENT DRAWINGS FOR MECHANICAL WORK ARE DIAGRAMMATIC AND INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. PROVIDE ALL FITTINGS, ACCESSORIES, PIPING, DUCTWORK, AND CONTROLS AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM TO MEET THE DESIGN INTENT.
3. THE APPROXIMATE LOCATIONS OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND SIZE OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK.
4. COORDINATE EQUIPMENT CLEARANCES (AS RECOMMENDED BY MANUFACTURER) WITH ALL DISCIPLINES BEFORE INSTALLATION.
5. VERIFY CLEARANCE SPACE AVAILABLE, OFFSETS REQUIRED, STRUCTURAL OPENINGS, AND WORK BY OTHER TRADES PRIOR TO FABRICATION OF DUCTWORK AND PIPING. SUBMIT SHOP DRAWINGS ON DUCTWORK AND PIPING LAYOUT. COORDINATE WITH STRUCTURE. PRESSURE TEST ALL DUCTWORK AND PIPING FOR LEAKS.
6. PROVIDE ACCESS PANELS FOR INSTALLATION IN WALLS AND CEILINGS, WHERE REQUIRED, TO SERVICE DAMPERS, AND OTHER CONCEALED MECHANICAL EQUIPMENT.
7. PROVIDE ACCESS DOORS IN DUCTWORK TO PROVIDE ACCESS FOR ALL SMOKE DETECTORS, FIRE DAMPERS, VOLUME DAMPERS, COILS, AND OTHER ITEMS LOCATED IN THE DUCTWORK THAT REQUIRE SERVICE AND/OR INSPECTION.
8. ALL EQUIPMENT, PIPING, DUCTWORK, ETC. SHALL BE SUPPORTED AS DETAILED, SPECIFIED, AND REQUIRED TO PROVIDE A VIBRATION-FREE INSTALLATION. PROVIDE DUCT AND PIPE FLEX CONNECTIONS FOR ALL EQUIPMENT CONNECTIONS. PROVIDE VIBRATION ISOLATORS FOR ALL EQUIPMENT; SEE SPECIFICATIONS AND DETAILS.
9. LOCATIONS AND SIZES OF FLOOR, WALL, AND ROOF OPENINGS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED.
10. ALL EQUIPMENT REQUIRING CONDENSATE DRAIN LINES SHALL BE PIPED FULL SIZE OF THE UNIT DRAIN OUTLET TO THE NEAREST DISPOSAL POINT AS INDICATED. PROVIDE A TRAP ON ALL DRAIN OUTLETS AND SLOPE PIPING MINIMUM 1/8 IN. PER FOOT.
11. PIPE INSULATION AND VAPOR BARRIERS SHALL BE CONTINUOUS THROUGH PIPE HANGERS.
12. ALL DUCTWORK DIMENSIONS, AS SHOWN ON THE DRAWINGS, ARE INTERNAL CLEAR DIMENSIONS.
13. COORDINATE DIFFUSER, REGISTER, AND GRILLE LOCATIONS WITH REFLECTED CEILING PLANS, LIGHTING, AND OTHER CEILING MOUNTED DEVICES.
14. NO DUCTWORK OR PIPING SHALL RUN PARALLEL WITH AND OVER WALLS. AVOID ROUTING DUCTWORK AND PIPING OVER LIGHTS WHEREVER POSSIBLE. MAINTAIN MINIMUM 6" CLEARANCE BETWEEN HVAC INSULATION TO TOP OF LIGHTS. PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCE AROUND MECHANICAL EQUIPMENT FOR PROPER OPERATION AND ROUTINE MAINTENANCE.
15. SEAL ALL DUCT PENETRATIONS OF WALLS AIRTIGHT, REGARDLESS OF WHETHER WALLS ARE FIRE-RATED OR NOT. PROVIDE SLEEVES AND SEAL ALL PIPE PENETRATIONS OF WALLS AIRTIGHT.
16. ALL OPENINGS IN FIRE WALLS DUE TO DUCTWORK, PIPING, CONDUIT, ETC. SHALL BE FIRE-STOPPED WITH AN APPROVED UL-LISTED PRODUCT.
17. ALL AIR INTAKE OPENINGS TO EXTERIOR SHALL HAVE A MIN 10'-0" CLEARANCE FROM ANY EXHAUST OPENING TO PREVENT RECIRCULATION.
18. THERMOSTATS INDICATED ADJACENT TO DOORWAYS SHALL BE LOCATED WITHIN 18" OF JAMB AND MOUNTED 48" AFF.
19. ALL EXPOSED CONTROL WIRING (MECHANICAL AND ELECTRICAL ROOMS) SHALL BE IN CONDUIT. ALL REMAINING CONTROL WIRING SHALL BE PLENUM-RATED CABLE.
20. COORDINATE CONTROLS WORK WITH EXISTING BUILDING AUTOMATION SYSTEM PROVIDER. PROVIDE CONSISTENCY WITH EXISTING POINT NAMING, DYNAMIC GRAPHICS, SCHEDULING, AND ALARMS.
21. EXISTING CONDITIONS ARE BASED ON AS-BUILT DRAWINGS AND FIELD INVESTIGATIONS. THE SIZE AND LOCATION OF EXISTING DUCTWORK, PIPING, AND EQUIPMENT SHOWN MAY NOT REFLECT ACTUAL INSTALLATION. CONTRACTOR SHALL FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING DUCTWORK, PIPING, AND EQUIPMENT PRIOR TO BID.

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SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED No. 29069 PROFESSIONAL ENGINEER MICHAEL A. PRUETT 07-29-2026
Michael A Pruett 29069

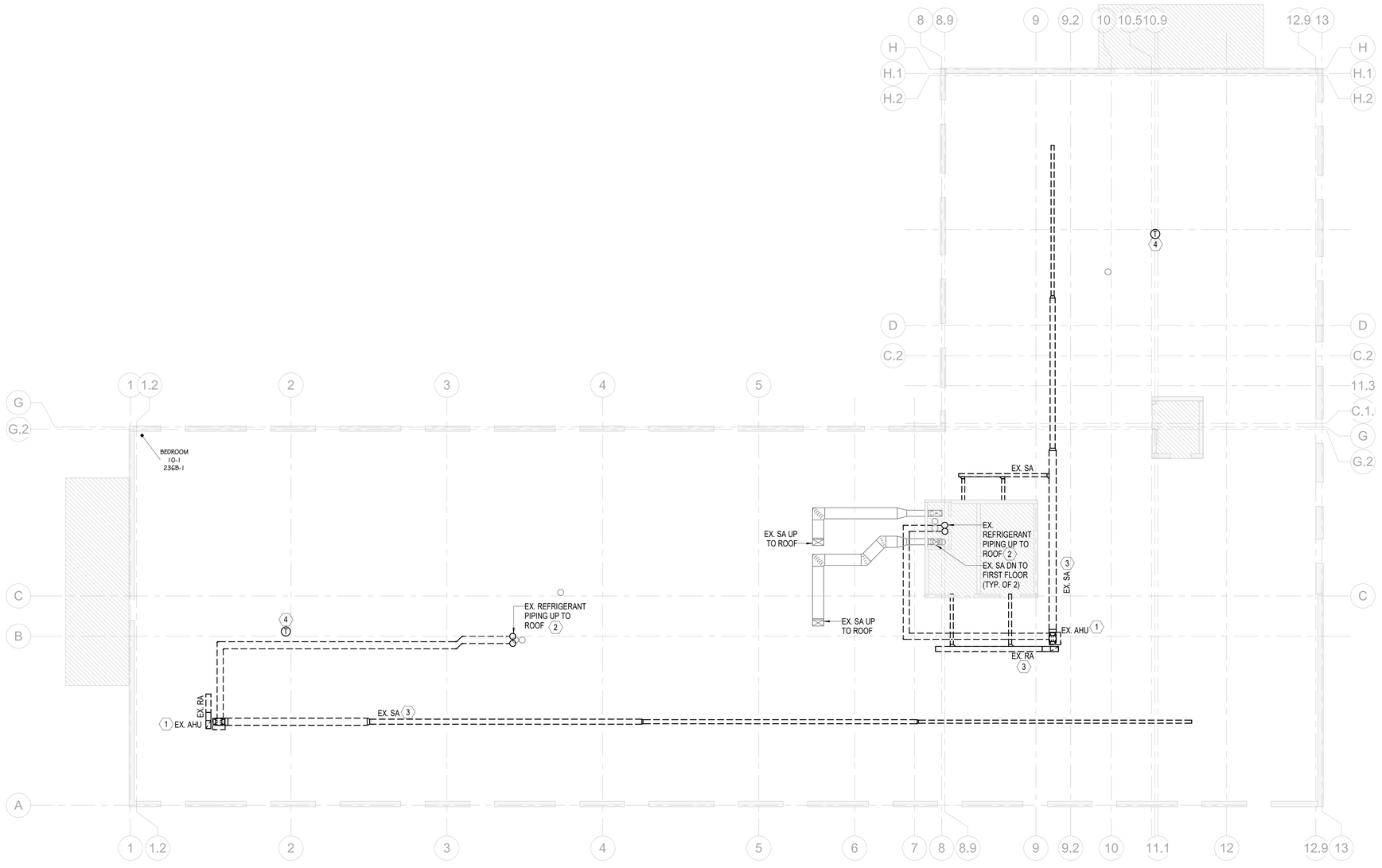
LEGENDS, NOTES & ABBREVIATIONS

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#	SHEET NOTES
1	DISCONNECT AND REMOVE EXISTING AIR HANDLING UNIT AND ALL ASSOCIATED ACCESSORIES AND PIPING. AIR HANDLING UNIT SHALL BE TURNED OVER TO OWNER AFTER REMOVAL.
2	DISCONNECT AND REMOVE EXISTING REFRIGERANT PIPING AND ALL ASSOCIATED ACCESSORIES AND FITTINGS.
3	DISCONNECT AND REMOVE EXISTING DUCTWORK AND ALL ASSOCIATED ACCESSORIES AND FITTINGS.
4	DISCONNECT AND REMOVE EXISTING THERMOSTAT AND ALL ASSOCIATED CONTROL WIRE AND CONDUIT.



PLAN NORTH TRUE NORTH

1 SECOND FLOOR PLAN - DEMOLITION

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

0 4' 8' 16'

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DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED No. 39069 PROFESSIONAL ENGINEER MICHAEL A. PRUET
OCT - 2 - 2026

Michael A Pruett 39069

SECOND FLOOR PLAN - MECHANICAL DEMOLITION

M1.11

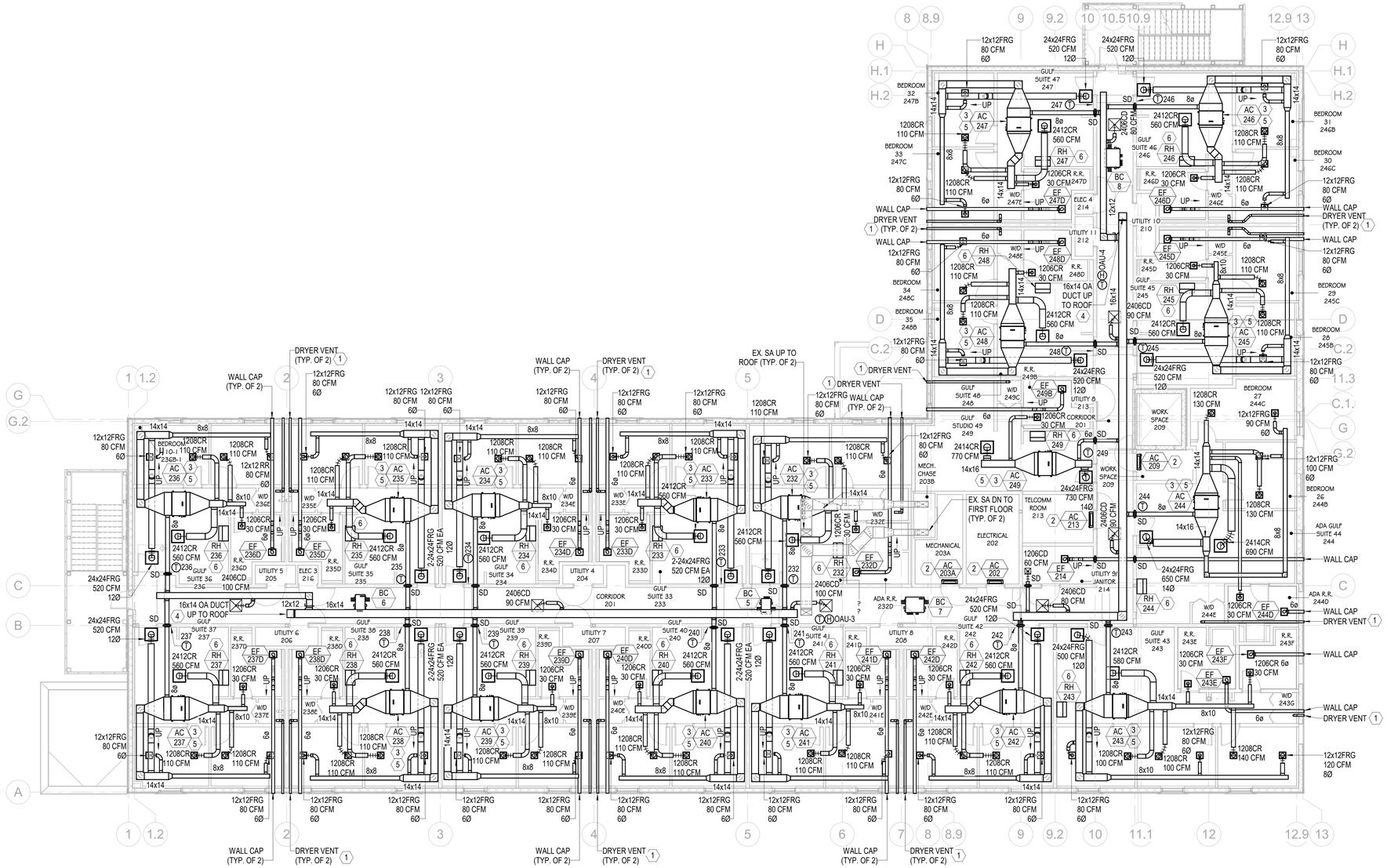
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GENERAL NOTES

1. COORDINATE WITH ARCHITECTURAL LIFE SAFETY PLANS FOR LOCATION OF SMOKE-RESISTANT, FIRE-RATED, AND FIRE/SMOKE-RATED WALLS.
2. ALL DUCTWORK PENETRATING 1-HR FIRE BARRIERS OR FIRE-SMOKE BARRIERS SHALL BE CONSTRUCTED OF SHEET STEEL NOT LESS THAN 26 GAUGE THICKNESS. FIRE DAMPERS OR FIRE-SMOKE DAMPERS ARE NOT REQUIRED AT 1HR RATED WALLS PER SECTION 607.5.2 OF 2021 INTERNATIONAL MECHANICAL CODE.

SHEET NOTES

#	
1	TERMINATE FULL SIZE DRYER EXHAUST DUCT (MINIMUM 4") THROUGH WALL TO WALL CAP WITH BACKDRAFT DAMPER, NO BIRD SCREEN (IAW IMC 504.4). COORDINATE FINAL LOCATION WITH ARCHITECT. MAINTAIN A MINIMUM OF 3 FEET FROM BUILDING OPENINGS.
2	INSTALL DUCTLESS AIR HANDLING UNIT ON WALL PER MANUFACTURER'S RECOMMENDATIONS.
3	SUSPEND EQUIPMENT FROM STRUCTURE ABOVE USING VIBRATION ISOLATION HANGERS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
4	FABRICATE DUCTWORK FOR 100% OUTSIDE AIR SYSTEMS OF STAINLESS STEEL CONSTRUCTION WITH FLANGED JOINTS.
5	PROVIDE MINIMUM 30"x30" ACCESS PANEL IN CEILING TO SERVICE HVAC EQUIPMENT ABOVE HARD CEILING. COORDINATE ACCESS PANEL LOCATION WITH EQUIPMENT AND SERVICE CLEARANCE.
6	INSTALL RECIRCULATING RANGE HOOD IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. HOOD SHALL INCLUDE PRE-PIPED, FULLY CHARGED FIRE SUPPRESSION SYSTEM. SYSTEM SHALL INCLUDE NITROGEN TEST TANK AND BE FIELD TESTED BY LICENSED FIRE SUPRESSION CONTRACTOR. TEST TO BE WITNESSED BY AHJ.



PLAN NORTH / TRUE NORTH

1 SECOND FLOOR PLAN - DUCTWORK

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

0 4' 8' 16'

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DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED No. 39069 PROFESSIONAL 07-29-2026 ENGINEER MECHANICAL

Michael A Pruett 39069

SECOND FLOOR PLAN - MECHANICAL DUCTWORK

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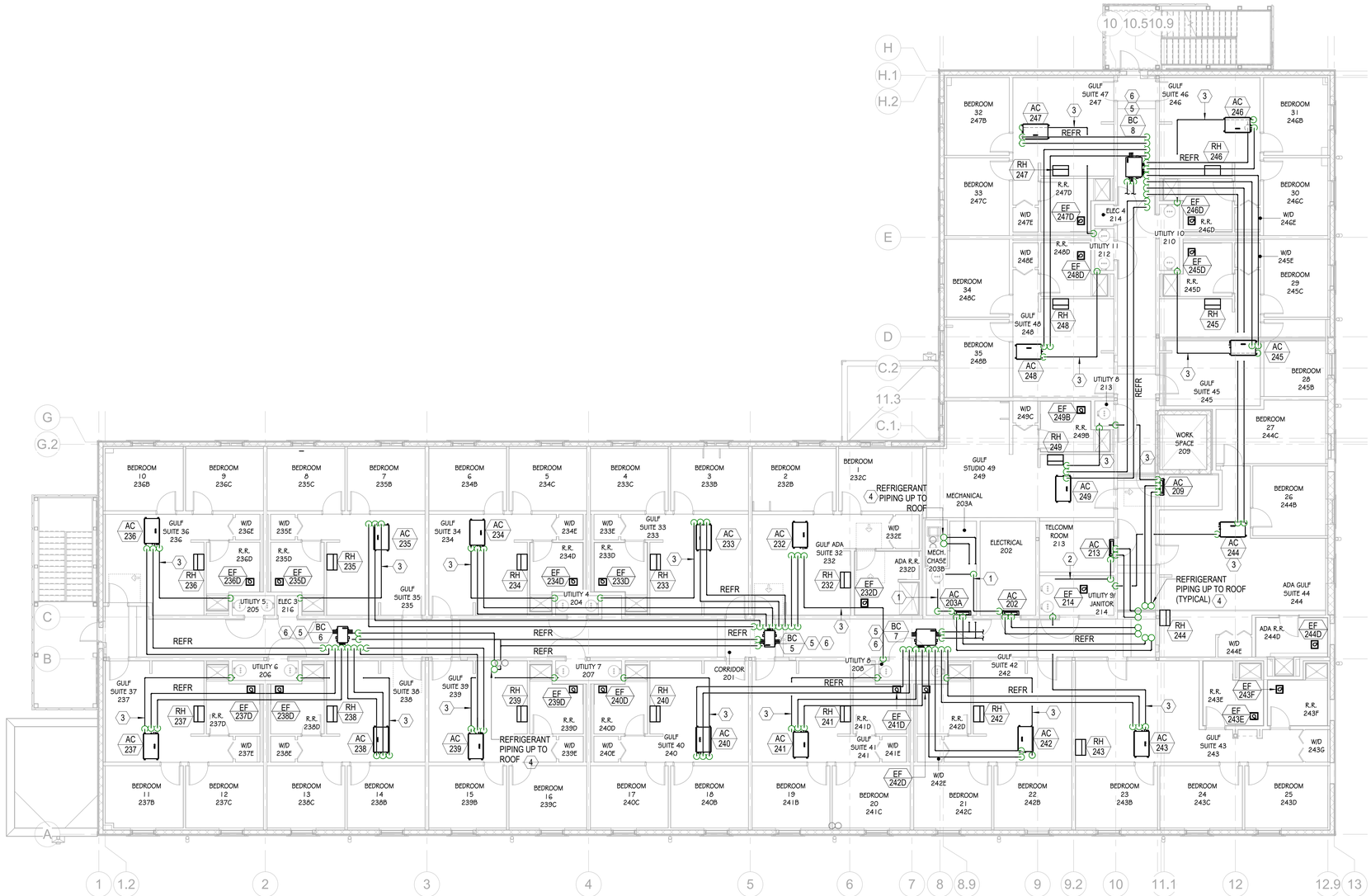
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GENERAL NOTES

1. COORDINATE WITH ARCHITECTURAL LIFE SAFETY PLANS FOR LOCATION OF SMOKE-RESISTANT, FIRE-RATED, AND FIRE/SMOKE-RATED WALLS.

SHEET NOTES

#	
1	ROUTE INSULATED COPPER CONDENSATE DRAIN PIPING, FULL SIZE, TO FLOOR DRAIN IN MECH ROOM; MAINTAIN MINIMUM SLOPE OF 1/8" PER FOOT.
2	ROUTE INSULATED COPPER CONDENSATE DRAIN PIPING, FULL SIZE, TO SERVICE SINK IN JANITOR'S CLOSET; MAINTAIN MINIMUM SLOPE OF 1/8" PER FOOT.
3	ROUTE INSULATED COPPER CONDENSATE DRAIN PIPING, FULL SIZE, TO HUB DRAIN IN NEAREST UTILITY ROOM; MAINTAIN MINIMUM SLOPE OF 1/8" PER FOOT.
4	REFRIGERANT PIPING UP TO CONDENSING UNIT ON ROOF. COORDINATE AND INSTALL REFRIGERANT PIPING, FITTINGS, AND ACCESSORIES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
5	SUSPEND EQUIPMENT FROM STRUCTURE ABOVE USING VIBRATION ISOLATION HANGERS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
6	GENERAL REFRIGERANT ROUTING SHOWN FOR DIAGRAM PURPOSES. INSTALL ALL REFRIGERANT LINES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, SPECIFICATIONS, APPLICABLE CODES, AND GUIDELINES.



PLAN NORTH TRUE NORTH

1 SECOND FLOOR PLAN - PIPING

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

0 4' 8' 16'

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SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED No. 39069 PROFESSIONAL 07-29-2026 ENGINEER MECHANICAL
Michael A Pruett 39069

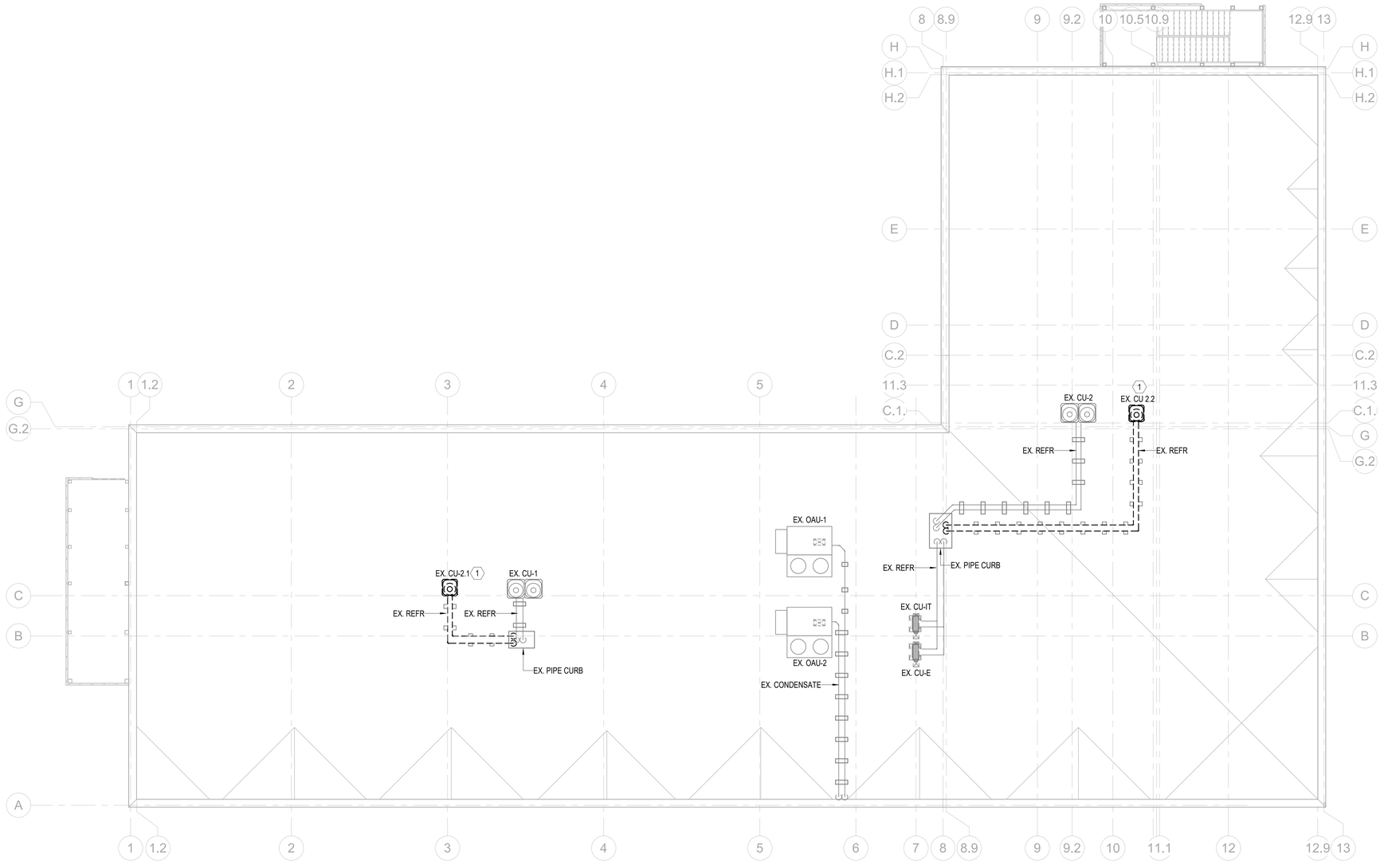
SECOND FLOOR PLAN - MECHANICAL PIPING

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SHEET NOTES

#	
1	DISCONNECT AND COMPLETELY REMOVE CONDENSING UNIT, REFRIGERANT PIPING, AND ALL ACCESSORIES (PIPE SUPPORTS, INSULATION) ETC. CONDENSING UNIT SHALL BE TURNED OVER TO OWNER AFTER REMOVAL.



PLAN NORTH TRUE NORTH

1 ROOF PLAN - HVAC DEMOLITION

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

0 4' 8' 16'

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FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED No. 39069 PROFESSIONAL ENGINEER MICHAEL A. PRUETT 07-29-2026
Michael A Pruett 39069

ROOF PLAN - MECHANICAL DEMOLITION

M1.31

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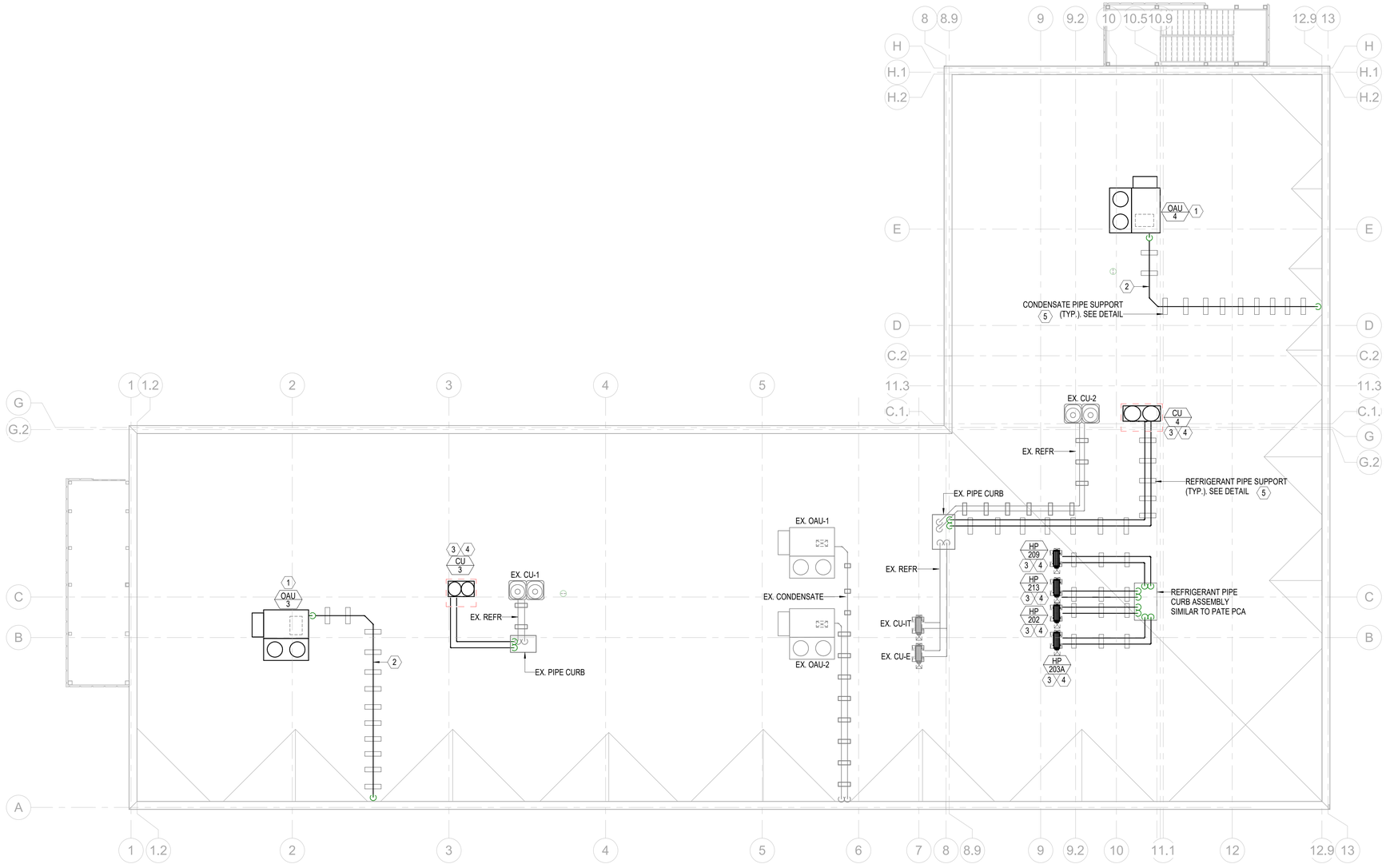
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Dell Consulting project:26-016

GENERAL NOTES

1. PROVIDE MINIMUM 15-FT DISTANCE BETWEEN ALL ROOFTOP EQUIPMENT AND ROOF EDGE.
2. PROVIDE MINIMUM 10-FT DISTANCE BETWEEN OUTSIDE AIR INTAKES AND EXHAUST DISCHARGES OR PLUMBING VENTS.
3. COORDINATE OPERATIONAL AND SERVICE CLEARANCES OF ROOFTOP EQUIPMENT WITH EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
4. CURBS FOR PIPING SHALL BE 14" HIGH, ROOFED OVER TYPE, PREFABRICATED ALUMINUM WITH WOOD NAILER AND 1-1/2" FIRE RESISTANCE FIBERGLASS INSULATION. SIZE TO MATCH PIPING. SEAL WATER AND AIR TIGHT. PROVIDE WELDED STAINLESS STEEL CAP WHERE PIPE PASSES THROUGH ROOF.

SHEET NOTES

#	
1	INSTALL PACKAGED ROOFTOP UNIT ON ROOF CURB IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. COORDINATE INSTALLATION OF ROOF CURB WITH ROOFING CONTRACTOR, ARCHITECTURAL, AND STRUCTURAL. TRANSITION DUCTWORK AT EQUIPMENT OPENINGS AS REQUIRED AND ROUTE THROUG ROOF. FILL ANNULAR SPACE WITHIN CURB ASSEMBLY WITH FIBERGLASS BATT INSULATION OR SIMILAR SOUND ATTENUATING MEDIA TO MINIMIZE RADIATED SOUND BELOW.
2	ROUTE INSULATED COPPER CONDENSATE DRAIN PIPING, FULL SIZE, TO NEAREST ROOF SCUPPER; MAINTAIN MINIMUM SLOPE OF 1/8" PER FOOT. FINISH PIPE INSULATION WITH SMOOTH ALUMINUM JACKET PER SPECIFICATIONS. PROVIDE ALUMINUM OR STAINLESS STEEL SUPPORTS FOR PIPING AS REQUIRED. REFER TO SPECIFICATIONS FOR MAXIMUM SPACING.
3	INSTALL CONDENSING UNIT ON ALUMINUM OR STAINLESS STEEL STAND IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. SIZE STAND TO ACCOMMODATE REFRIGERANT PIPING AND DISCONNECT SWITCH. PROVIDE MINIMUM 18" VERTICAL CLEARANCE BETWEEN FINISHED ROOF AND BOTTOM OF EQUIPMENT.
4	ROUTE REFRIGERANT PIPING TO ASSOCIATED AIR HANDLING UNIT OR BRANCH SELECTOR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS THROUGH EXISTING PIPE CURB. COORDINATE WITH ARCHITECTURAL, STRUCTURAL, AND BUILDING UTILITIES TO MINIMIZE OFFSETS AND TOTAL LINE LENGTHS. SLEEVE AND SEAL ALL PENETRATIONS THROUGH BUILDING ENVELOPE; SEE SPECIFICATIONS.
5	PROVIDE ALUMINUM OR STAINLESS STEEL SUPPORTS FOR PIPING AS REQUIRED. REFER TO SPECIFICATIONS AND IMC FOR MAXIMUM SPACING.



PLAN NORTH TRUE NORTH

1 ROOF PLAN - MECHANICAL

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

0' 4' 8' 16'

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101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

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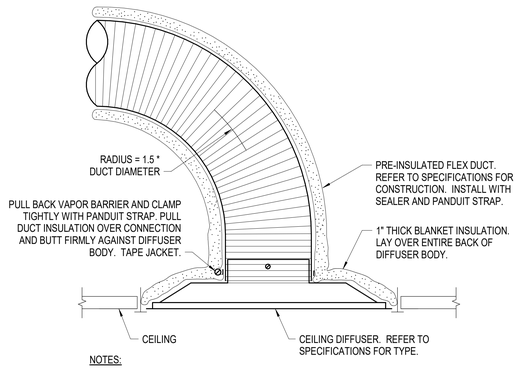
ALABAMA LICENSED PROFESSIONAL ENGINEER No. 39069 07-29-2026 MICHAEL A. PRUETT

Michael A Pruett 39069

ROOF PLAN - MECHANICAL

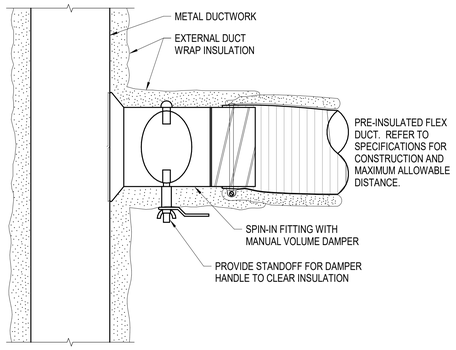
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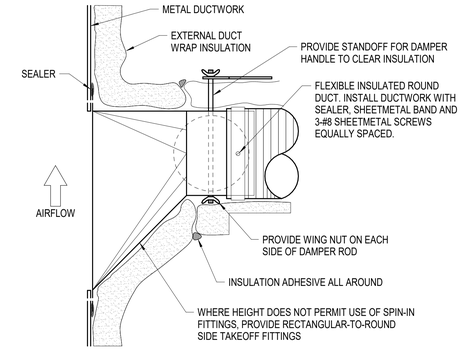
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NOTES:
1. FLEX DUCT SHALL BE NO LONGER THAN 5'-0".
2. PROVIDE 24"x24" LAY-IN PANEL FOR DIFFUSERS IN LAY-IN CEILINGS.
3. PROVIDE BEVELED MOUNTING FRAME FOR DIFFUSERS IN HARD CEILINGS.

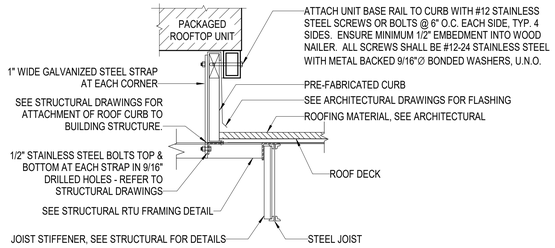
1 CEILING DIFFUSER DETAIL
NOT TO SCALE





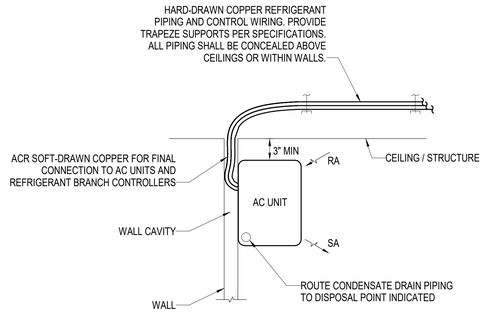
NOTES:
1. CONNECT FLEXIBLE DUCT TO FITTING WITH DRAWBAND AND SEALER.
2. PROVIDE RIGID ROUND DUCT AS REQUIRED AT TAKEOFF FITTING TO COMPLY WITH MAXIMUM ALLOWABLE DISTANCE OF FLEX DUCT.
3. FOR EXHAUST AIR SYSTEMS, PROVIDE RIGID ROUND DUCT IN LIEU OF FLEX DUCT. PROVIDE INSULATION ONLY WHERE SPECIFIED PER DRAWINGS AND SPECIFICATIONS.

2 ROUND DUCT RUNOUT DETAIL
NOT TO SCALE

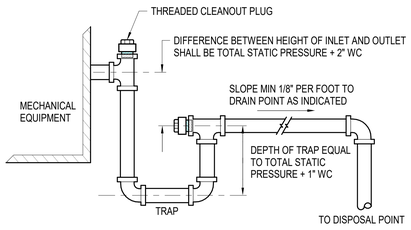


PROVIDE PACKAGED ROOFTOP UNIT. ROOF CURBS SHALL BE FURNISHED BY DIVISION 15 AND INSTALLED BY ROOFING CONTRACTOR. FIELD COORDINATE ROOF CURB LOCATIONS WITH STRUCTURAL CONDITIONS AND PROVIDE STRUCTURAL SUPPORT FRAMING FOR THE CURB AND ROOF-MOUNTED EQUIPMENT. ALL ROOF MOUNTED EQUIPMENT AND CURBS MUST BE SECURED DIRECTLY TO THE BUILDING STRUCTURE IN ORDER TO RESIST WIND PRESSURE. COORDINATE ROOF CURB WITH ARCHITECT TO ENSURE ALL REQUIREMENTS FOR FLASHING ARE MET.

3 TYPICAL ROOFTOP UNIT TIE-DOWN DETAIL
NOT TO SCALE

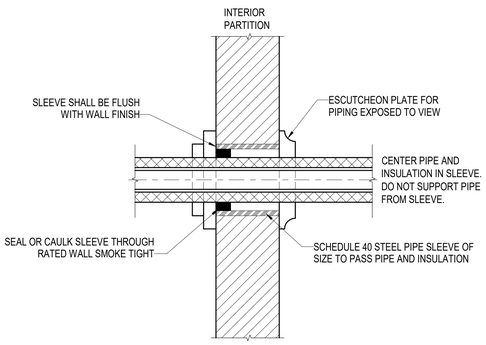


4 WALL-MOUNTED DUCTLESS AC UNIT DETAIL
NOT TO SCALE

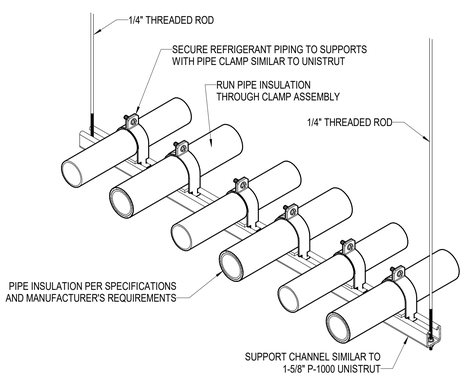


NOTES:
1. CONTRACTOR SHALL COORDINATE DRAIN DIMENSIONS AND PAD AND/OR BASE RAIL HEIGHT TO ENSURE PROPER DRAINAGE SLOPE AND CLEARANCE FOR TRAP.
2. REFER TO SPECIFICATIONS FOR DRAIN PIPE MATERIAL.

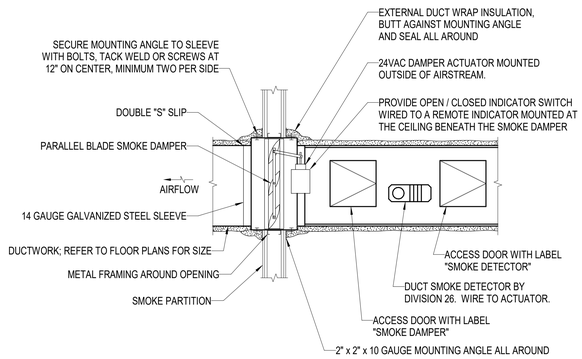
5 CONDENSATE DRAIN TRAP DETAIL
NOT TO SCALE



6 INTERIOR PARTITION PIPE SLEEVE DETAIL
NOT TO SCALE

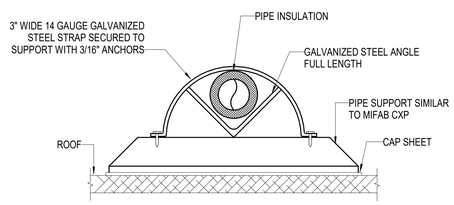


7 REFRIGERANT PIPE SUPPORT DETAIL
NOT TO SCALE



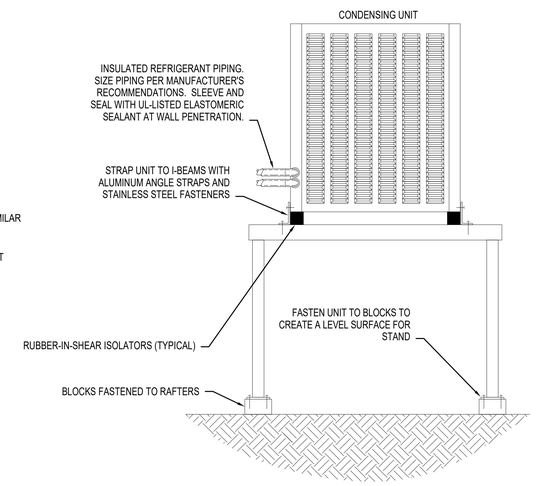
NOTES:
1. OVERALL SIZE OF DAMPER AND SLEEVE ASSEMBLY : MAXIMUM OPENING SHALL NOT EXCEED 1/8" PER FOOT PLUS 1". OPENING SHALL NOT BE LESS THAN 1/4" LARGER FOR ANY SIZE DAMPER AND SLEEVE ASSEMBLY.
2. REFER TO SPECIFICATIONS FOR TYPE AND CONSTRUCTION.

8 VERTICAL SMOKE DAMPER DETAIL
NOT TO SCALE



NOTES:
1. PROVIDE SUPPORTS EVERY 4'-0" AND AT ALL CHANGES OF DIRECTION.
2. INSULATE AND PROVIDE ALUMINUM JACKETING PER SPECIFICATIONS.
3. PIPE SUPPORTS TO BE FREESTANDING. DO NOT SECURE TO DECK.
4. PROVIDE ADDITIONAL CAP SHEET UNDER EACH PIPE SUPPORT AS SACRIFICIAL MEMBRANE TO PROTECT THE ROOF MEMBRANE FROM ABRASION DUE TO PIPE AND SUPPORT MOVEMENT.

9 CONDENSATE PIPING SUPPORT DETAIL
NOT TO SCALE



10 CONDENSING UNIT MOUNTING DETAIL
NOT TO SCALE

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SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 39069
07-29-2026
MICHAEL A. PRUETT
Michael A Pruett 39069

DETAILS

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PACKAGED 100% OUTSIDE AIR ROOFTOP UNIT SCHEDULE

MARK	LOCATION	REFRIGERANT TYPE	SUPPLY FAN DATA										DX COOLING CYCLE									HOT GAS REHEAT				AUXILIARY HEATING DATA			CONDENSING SECTION		ELECTRICAL			MAIN FILTER SECTION			UNIT WEIGHT (LB)	BASIS OF DESIGN	
			FAN TYPE	FAN QTY	DRIVE TYPE	OUTDOOR AIRFLOW (CFM)	TSP (IN. WC)	ESP (IN. WC)	MAX BHP	FAN RPM	FAN MOTOR HP	FAN MOTOR DRIVE	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	COIL EAT DB (°F)	COIL EAT WB (°F)	COIL LAT DB (°F)	COIL LAT WB (°F)	MIN ROWS	MAX FPI	ISMRE	STAGES	TOTAL CAPACITY (MBH)	EAT (°F)	LAT (°F)	TYPE	CAPACITY (kW)	STAGES	COMPRESSOR QTY	FAN QTY	V/PH/Hz	MCA	MOCP	TYPE	EFFICIENCY	DIRTY FILTER PRESSURE DROP (IN. WG)		MAKE	MODEL
OAU-3	ROOF	R-454B	PLENUM	1	DIRECT	1,460	2.18	1.5	1.01	1817	2	VFD	128.3	50.4	83.4	77.9	51.2	51	6	12	5.6	MODULATING	36.7	51	75	ELECTRIC	22.5	SCR	2	2	208/3/60	97	100	2"-PLEATED	MERV 13	0.5	1,800	AAON	RNA-011
OAU-4	ROOF	R-454B	PLENUM	1	DIRECT	1,460	2.18	1.5	1.01	1817	2	VFD	128.3	50.4	83.4	77.9	51.2	51	6	12	5.6	MODULATING	36.7	51	75	ELECTRIC	22.5	SCR	2	2	208/3/60	97	100	2"-PLEATED	MERV 13	0.5	1,800	AAON	RNA-011

NOTES:
1. PROVIDE 120V CONVENIENCE OUTLET.
2. PROVIDE DISCONNECT SWITCH.
3. PROVIDE THROUGH-THE-BASE, SINGLE POINT POWER CONNECTION.
4. PROVIDE ROOF CURB SIZED TO EXTEND A MINIMUM OF 8 INCHES ABOVE FINISHED ROOF. CURB ASSEMBLY SHALL INCLUDE SOUND ATTENUATION MEDIA.
5. PROVIDE SEACOAST PROTECTION FOR ALL COILS.
6. PROVIDE SINGLE ZONE TEMPERATURE AND HUMIDITY CONTROL.
7. FURNISH WITH ZONE TEMPERATURE AND HUMIDITY SENSORS.

VRF OUTDOOR UNIT SCHEDULE

MARK	LOCATION	REFRIGERANT TYPE	TYPE	SERVICE	DESIGN CONDITIONS			DX COOLING CYCLE			DX HEATING CYCLE		ELECTRICAL			UNIT WEIGHT (LB)	BASIS OF DESIGN	
					WINTER OUTDOOR (°F)	SUMMER OUTDOOR DB (°F)	SUMMER OUTDOOR WB (°F)	TOTAL CAPACITY (BTUH)	EER	IEER	TOTAL CAPACITY (BTUH)	COP	V/PH/Hz	MCA	MOCP		MANUFACTURER	MODEL
CU-3	ROOF	R-32	HEAT RECOVERY	COMFORT COOLING INDOOR UNITS	29	95	78	160,000	10.6	21.1	180,000	3.67	208/3/60	54.4	60	660	SAMSUNG	AM168HCVGFS/AA
CU-4	ROOF	R-32	HEAT RECOVERY	COMFORT COOLING INDOOR UNITS	29	95	78	240,000	10.0	20.3	258,000	3.25	208/3/60	68.0	80	860	SAMSUNG	AM240HCVGFS/AA

NOTES:
1. COOLING AND HEATING CAPACITIES RATED AT AHRI STANDARD CONDITIONS.
2. SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATION.
3. SUBMIT APPROXIMATE REFRIGERANT LINE LENGTHS (TOTAL AND VERTICAL) AND SIZES FOR REVIEW WITH PRODUCT DATA.
4. PROVIDE SEACOAST PROTECTION FOR CONDENSER COIL. SEE SPECIFICATIONS.
5. PROVIDE VARIABLE-SPEED INVERTER COMPRESSORS.
6. PROVIDE MANUFACTURER'S EXTENDED WARRANTY FOR TEN (10) YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

VRF INDOOR UNIT SCHEDULE

MARK	ASSOCIATED OUTDOOR UNIT	ASSOCIATED BRANCH SELECTOR	SERVICE	TYPE	FAN DATA			DX COOLING CYCLE			DX HEATING CYCLE		ELECTRICAL			UNIT WEIGHT (LB)	BASIS OF DESIGN	
					SUPPLY AIRFLOW (CFM)	ESP (IN. WG)	FAN MOTOR (kW)	TOTAL CAPACITY (BTUH)	EAT DB (°F)	EAT WB (°F)	TOTAL CAPACITY (BTUH)	EAT DB (°F)	V/PH/Hz	MCA	MOCP		MANUFACTURER	MODEL
AC-232	CU-3	BC-5	232 GULF ADA SUITE	CEILING CASSETTE	500-810	0.50	0.153	24,000	80	67	27,000	70	208/1/60	2.41	15	76	SAMSUNG	AM024HCVGFS/AA
AC-233			233 GULF SUITE	CEILING CASSETTE	500-810	0.50	0.153	24,000	80	67	27,000	70	208/1/60	2.41	15	76	SAMSUNG	AM024HCVGFS/AA
AC-234			234 GULF SUITE	CEILING CASSETTE	500-810	0.50	0.153	24,000	80	67	27,000	70	208/1/60	2.41	15	76	SAMSUNG	AM024HCVGFS/AA
AC-235			235 GULF SUITE	CEILING CASSETTE	500-810	0.50	0.153	24,000	80	67	27,000	70	208/1/60	2.41	15	76	SAMSUNG	AM024HCVGFS/AA
AC-236		BC-6	236 GULF SUITE	CEILING CASSETTE	500-810	0.50	0.153	24,000	80	67	27,000	70	208/1/60	2.41	15	76	SAMSUNG	AM024HCVGFS/AA
AC-237			237 GULF SUITE	CEILING CASSETTE	500-810	0.50	0.153	24,000	80	67	27,000	70	208/1/60	2.41	15	76	SAMSUNG	AM024HCVGFS/AA
AC-238			238 GULF SUITE	CEILING CASSETTE	500-810	0.50	0.153	24,000	80	67	27,000	70	208/1/60	2.41	15	76	SAMSUNG	AM024HCVGFS/AA
AC-239			239 GULF SUITE	CEILING CASSETTE	500-810	0.50	0.153	24,000	80	67	27,000	70	208/1/60	2.41	15	76	SAMSUNG	AM024HCVGFS/AA
AC-240	CU-4	BC-7	240 GULF SUITE	CEILING CASSETTE	500-810	0.50	0.153	24,000	80	67	27,000	70	208/1/60	2.41	15	76	SAMSUNG	AM024HCVGFS/AA
AC-241			241 GULF SUITE	CEILING CASSETTE	500-810	0.50	0.153	24,000	80	67	27,000	70	208/1/60	2.41	15	76	SAMSUNG	AM024HCVGFS/AA
AC-242			242 GULF SUITE	CEILING CASSETTE	500-810	0.50	0.153	24,000	80	67	27,000	70	208/1/60	2.41	15	76	SAMSUNG	AM024HCVGFS/AA
AC-243			243 GULF SUITE	CEILING CASSETTE	580-980	0.50	0.153	30,000	80	67	34,000	70	208/1/60	2.95	15	76	SAMSUNG	AM030HCVGFS/AA
AC-244		BC-8	244 GULF SUITE	CEILING CASSETTE	580-980	0.50	0.153	30,000	80	67	34,000	70	208/1/60	2.95	15	76	SAMSUNG	AM030HCVGFS/AA
AC-245			245 GULF SUITE	CEILING CASSETTE	500-810	0.50	0.153	24,000	80	67	27,000	70	208/1/60	2.41	15	76	SAMSUNG	AM024HCVGFS/AA
AC-246			246 GULF SUITE	CEILING CASSETTE	500-810	0.50	0.153	24,000	80	67	27,000	70	208/1/60	2.41	15	76	SAMSUNG	AM024HCVGFS/AA
AC-247			247 GULF SUITE	CEILING CASSETTE	500-810	0.50	0.153	24,000	80	67	27,000	70	208/1/60	2.41	15	76	SAMSUNG	AM024HCVGFS/AA
AC-248			248 GULF SUITE	CEILING CASSETTE	500-810	0.50	0.153	24,000	80	67	27,000	70	208/1/60	2.41	15	76	SAMSUNG	AM024HCVGFS/AA
AC-249			249 GULF STUDIO	CEILING CASSETTE	500-810	0.50	0.153	24,000	80	67	27,000	70	208/1/60	2.41	15	76	SAMSUNG	AM024HCVGFS/AA

NOTES:
1. COOLING AND HEATING CAPACITIES RATED AT AHRI STANDARD CONDITIONS.
2. PROVIDE VARIABLE SPEED FAN.
3. PROVIDE HARD-WIRED WALL-MOUNTED THERMOSTAT.
4. PROVIDE 24V CONTROL WIRING FROM EACH INDOOR UNIT TO ASSOCIATED CONDENSING UNIT AS REQUIRED.
5. SUBMIT APPROXIMATE REFRIGERANT LINE LENGTHS (TOTAL AND VERTICAL) AND SIZES FOR REVIEW WITH PRODUCT DATA.
6. PROVIDE INTEGRAL CONDENSATE PUMP.
7. NO FILTER REQUIRED IN CABINET FOR DUCTED UNITS. REFER TO FLOOR PLANS FOR FILTER RETURN GRILLES.
8. PROVIDE MANUFACTURER'S EXTENDED WARRANTY FOR TEN (10) YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

VRF BRANCH SELECTOR SCHEDULE

MARK	ASSOCIATED OUTDOOR UNIT	NUMBER OF PORTS	TOTAL CAPACITY (BTUH)	ELECTRICAL			UNIT WEIGHT (LB)	BASIS OF DESIGN	
				V/PH/Hz	MCA	MOCP		MANUFACTURER	MODEL
BC-5	CU-3	4	216,000	208/1/60	0.5	15	66	SAMSUNG	MCU-A4NEK1UN
BC-6		4	216,000	208/1/60	0.5	15	66	SAMSUNG	MCU-A4NEK1UN
BC-7	CU-4	4	216,000	208/1/60	0.5	15	66	SAMSUNG	MCU-A4NEK1UN
BC-8		6	216,000	208/1/60	1	15	105	SAMSUNG	MCU-A6NEK1UN

NOTES:
1. SUBMIT APPROXIMATE REFRIGERANT LINE LENGTHS (TOTAL AND VERTICAL) AND SIZES FOR REVIEW WITH PRODUCT DATA.
2. PROVIDE MANUFACTURER'S EXTENDED WARRANTY FOR TEN (10) YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

FAN SCHEDULE

MARK	LOCATION	SERVICE	TYPE	DRIVE	PERFORMANCE DATA				MOTOR DATA			CONTROL	REMARKS	BASIS OF DESIGN	
					AIRFLOW (CFM)	ESP (IN. WC)	RPM	SONES	INPUT (W)	NAMEPLATE AMPS	ELEC (V/PH/HZ)			MANUFACTURER	MODEL
EF-114	114 UTILITY	JANITOR CLOSET	CEILING	DIRECT	110	0.5	1160	4	53	0.50	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-168
EF-232D	232D RR	BATHROOM	CEILING	DIRECT	70	0.5	1075	3	43	0.42	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-148
EF-233D	233D RR	BATHROOM	CEILING	DIRECT	70	0.5	1075	3	43	0.42	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-148
EF-234D	234D RR	BATHROOM	CEILING	DIRECT	70	0.5	1075	3	43	0.42	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-148
EF-235D	235D RR	BATHROOM	CEILING	DIRECT	70	0.5	1075	3	43	0.42	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-148
EF-236D	236D RR	BATHROOM	CEILING	DIRECT	70	0.5	1075	3	43	0.42	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-148
EF-237D	237D RR	BATHROOM	CEILING	DIRECT	70	0.5	1075	3	43	0.42	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-148
EF-238D	238D RR	BATHROOM	CEILING	DIRECT	70	0.5	1075	3	43	0.42	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-148
EF-239D	239D RR	BATHROOM	CEILING	DIRECT	70	0.5	1075	3	43	0.42	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-148
EF-240D	240D RR	BATHROOM	CEILING	DIRECT	70	0.5	1075	3	43	0.42	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-148
EF-241D	241D RR	BATHROOM	CEILING	DIRECT	70	0.5	1075	3	43	0.42	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-148
EF-242D	242D RR	BATHROOM	CEILING	DIRECT	70	0.5	1075	3	43	0.42	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-148
EF-243E	243E RR	BATHROOM	CEILING	DIRECT	50	0.5	1075	3	41	0.42	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-148
EF-243F	243F RR	BATHROOM	CEILING	DIRECT	50	0.5	1075	3	41	0.42	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-148
EF-244D	244D RR	BATHROOM	CEILING	DIRECT	70	0.5	1075	3	43	0.42	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-148
EF-245D	245D RR	BATHROOM	CEILING	DIRECT	70	0.5	1075	3	43	0.42	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-148
EF-246D	246D RR	BATHROOM	CEILING	DIRECT	70	0.5	1075	3	43	0.42	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-148
EF-247D	247D RR	BATHROOM	CEILING	DIRECT	70	0.5	1075	3	43	0.42	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-148
EF-248D	248D RR	BATHROOM	CEILING	DIRECT	70	0.5	1075	3	43	0.42	115/1/60	INTERLOCK WITH SWITCH	(1)(2)(3)(4)	COOK	GC-148

REMARKS:
(1) PROVIDE BACKDRAFT DAMPER.
(2) PROVIDE DISCONNECT.
(3) PROVIDE THERMAL OVERLOAD.
(4) PROVIDE FAN SPEED CONTROLLER.

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SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 39069 — MICHAEL A. PRUETT — OCT 24 2025
Michael A Pruett 39069

SCHEDULES

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Dell Consulting project:26-016

DUCTLESS SPLIT-SYSTEM HEAT PUMP SCHEDULE (OUTDOOR UNIT)

MARK	LOCATION	SERVICE	REFRIGERANT TYPE	DESIGN CONDITIONS			DX COOLING CYCLE		DX HEATING CYCLE	ELECTRICAL			UNIT WEIGHT (LB)	BASIS OF DESIGN	
				WINTER OUTDOOR (°F)	SUMMER OUTDOOR		TOTAL CAPACITY (BTUH)	SEER2	TOTAL CAPACITY (BTUH)	V/PH/Hz	MCA	MOCP		MANUFACTURER	MODEL
					DB (°F)	WB (°F)									
HP-202	ROOF	202 ELECTRICAL	R32	29	94	78	12,000	24.0	12,000	208/1/60	12	20	70	SAMSUNG	AR12DXDABWKXCV
HP-203A	ROOF	203A MECHANICAL	R32	29	94	78	9,000	25.0	11,000	208/1/60	12	20	70	SAMSUNG	AR09DXDABWKXCV
HP-209	ROOF	209 WORK SPACE	R32	29	94	78	12,000	24.0	12,000	208/1/60	12	20	70	SAMSUNG	AR12DXDABWKXCV
HP-213	ROOF	213 STORAGE	R32	29	94	78	12,000	24.0	12,000	208/1/60	12	20	70	SAMSUNG	AR12DXDABWKXCV

NOTES:
1. COOLING AND HEATING CAPACITIES RATED AT AHRI STANDARD CONDITIONS.
2. SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATION.
3. SUBMIT APPROXIMATE REFRIGERANT LINE LENGTHS (TOTAL AND VERTICAL) AND SIZES FOR REVIEW WITH PRODUCT DATA.
4. PROVIDE HAIL GUARD FOR CONDENSER COIL.
5. PROVIDE SEACOAST PROTECTION FOR CONDENSER COIL.
6. PROVIDE VARIABLE-SPEED INVERTER COMPRESSOR.
7. OUTDOOR UNIT SHALL POWER INDOOR UNIT.

DUCTLESS SPLIT-SYSTEM HEAT PUMP SCHEDULE (INDOOR UNIT)

MARK	ASSOCIATED OUTDOOR UNIT	TYPE	SERVICE	REFRIGERANT TYPE	DESIGN CONDITIONS			FAN DATA			DX COOLING CYCLE			DX HEATING CYCLE		ELECTRICAL		UNIT WEIGHT (LB)	BASIS OF DESIGN	
					WINTER INDOOR (°F)	SUMMER INDOOR		SUPPLY AIRFLOW (CFM)	OUTDOOR AIRFLOW (CFM)	FAN MOTOR	TOTAL CAPACITY (BTUH)	COIL EAT		TOTAL CAPACITY (BTUH)	COIL EAT (°F)	V/PH/Hz	MCA		MANUFACTURER	MODEL
						DB (°F)	WB (°F)					DB (°F)	WB (°F)							
AC-202	HP-202	WALL-MOUNTED	202 ELECTRICAL	R32	70	75	63	250-420	0	27 W	12,000	80	67	12,000	70	208/1/60	12	24	SAMSUNG	AR12DXDABWKNCV
AC-203A	HP-203A	WALL-MOUNTED	203A MECHANICAL	R32	70	75	63	250-420	0	27 W	9,000	80	67	11,000	70	208/1/60	12	24	SAMSUNG	AR09DXDABWKNCV
AC-209	HP-209	WALL-MOUNTED	209 WORK SPACE	R32	70	75	63	250-420	0	27 W	12,000	80	67	12,000	70	208/1/60	12	24	SAMSUNG	AR12DXDABWKNCV
AC-213	HP-213	WALL-MOUNTED	213 STORAGE	R32	70	75	63	250-420	0	27 W	12,000	80	67	12,000	70	208/1/60	12	24	SAMSUNG	AR12DXDABWKNCV

NOTES:
1. COOLING AND HEATING CAPACITIES RATED AT AHRI STANDARD CONDITIONS.
2. PROVIDE VARIABLE SPEED FAN; AIRFLOW LISTED AT MEDIUM SPEED.
3. PROVIDE HARD-WIRED WALL-MOUNTED THERMOSTAT.
4. PROVIDE 24V CONTROL WIRING FROM EACH INDOOR UNIT TO ASSOCIATED CONDENSING UNIT AS REQUIRED.
5. SUBMIT APPROXIMATE REFRIGERANT LINE LENGTHS (TOTAL AND VERTICAL) AND SIZES FOR REVIEW WITH PRODUCT DATA.
6. PROVIDE INTEGRAL CONDENSATE PUMP.
7. INDOOR UNIT SHALL BE POWERED BY OUTDOOR UNIT.

RECIRCULATING VENT HOOD SCHEDULE

MARK	LOCATION	SERVICE	TYPE	DIMENSIONS				ELECTRICAL		RECIRCULATING AIRFLOW LOW-HIGH (CFM)	BASIS OF DESIGN	
				LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	WEIGHT (LBS)	V/PH/Hz	MOCP		MFR	MODEL
RH-232	232 GULF SUITE	COOKING RANGE	WALL-MOUNTED	30	19.25	7	33.25	120/1/60	15	30-40	DENLAR	DS-30-F
RH-233	233 GULF SUITE	COOKING RANGE	WALL-MOUNTED	30	19.25	7	33.25	120/1/60	15	30-40	DENLAR	DS-30-F
RH-234	234 GULF SUITE	COOKING RANGE	WALL-MOUNTED	30	19.25	7	33.25	120/1/60	15	30-40	DENLAR	DS-30-F
RH-235	235 GULF SUITE	COOKING RANGE	WALL-MOUNTED	30	19.25	7	33.25	120/1/60	15	30-40	DENLAR	DS-30-F
RH-236	236 GULF SUITE	COOKING RANGE	WALL-MOUNTED	30	19.25	7	33.25	120/1/60	15	30-40	DENLAR	DS-30-F
RH-237	237 GULF SUITE	COOKING RANGE	WALL-MOUNTED	30	19.25	7	33.25	120/1/60	15	30-40	DENLAR	DS-30-F
RH-238	238 GULF SUITE	COOKING RANGE	WALL-MOUNTED	30	19.25	7	33.25	120/1/60	15	30-40	DENLAR	DS-30-F
RH-239	239 GULF SUITE	COOKING RANGE	WALL-MOUNTED	30	19.25	7	33.25	120/1/60	15	30-40	DENLAR	DS-30-F
RH-240	240 GULF SUITE	COOKING RANGE	WALL-MOUNTED	30	19.25	7	33.25	120/1/60	15	30-40	DENLAR	DS-30-F
RH-241	241 GULF SUITE	COOKING RANGE	WALL-MOUNTED	30	19.25	7	33.25	120/1/60	15	30-40	DENLAR	DS-30-F
RH-242	242 GULF SUITE	COOKING RANGE	WALL-MOUNTED	30	19.25	7	33.25	120/1/60	15	30-40	DENLAR	DS-30-F
RH-243	243 GULF SUITE	COOKING RANGE	WALL-MOUNTED	30	19.25	7	33.25	120/1/60	15	30-40	DENLAR	DS-30-F
RH-244	244 GULF SUITE	COOKING RANGE	WALL-MOUNTED	30	19.25	7	33.25	120/1/60	15	30-40	DENLAR	DS-30-F
RH-245	245 GULF SUITE	COOKING RANGE	WALL-MOUNTED	30	19.25	7	33.25	120/1/60	15	30-40	DENLAR	DS-30-F
RH-246	246 GULF SUITE	COOKING RANGE	WALL-MOUNTED	30	19.25	7	33.25	120/1/60	15	30-40	DENLAR	DS-30-F
RH-247	247 GULF SUITE	COOKING RANGE	WALL-MOUNTED	30	19.25	7	33.25	120/1/60	15	30-40	DENLAR	DS-30-F
RH-248	248 GULF SUITE	COOKING RANGE	WALL-MOUNTED	30	19.25	7	33.25	120/1/60	15	30-40	DENLAR	DS-30-F
RH-249	249 GULF STUDIO	COOKING RANGE	WALL-MOUNTED	30	19.25	7	33.25	120/1/60	15	30-40	DENLAR	DS-30-F

NOTES:
1. INSTALL HOOD AND ACCESSORIES PER MANUFACTURER'S RECOMMENDATIONS.
2. PROVIDE "DS-TEST-TANK" ACCESSORY FOR FIELD TESTING.
3. PROVIDE HANDICAP ACCESSIBLE CONTROLS FOR ALL VENT HOODS LOCATED IN ADA DESIGNATED SUITES/ROOMS.

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ALABAMA LICENSED No. 39069 PROFESSIONAL ENGINEER MICHAEL A. PRUETT 07-29-2026
Michael A Pruett 39069

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Dell Consulting project:26-016

OUTSIDE AIR VENTILATION CALCULATIONS

SYSTEM TAG:	OAU-3
SYSTEM TYPE:	100% OUTSIDE AIR SYSTEM
APPLICABLE CODE:	2021 INTERNATIONAL MECHANICAL CODE, SECTION 403

ROOM NAME AND NUMBER	CATEGORY	FLOOR AREA, Az (SF)	NUMBER OF BEDROOMS, N_{br}	FLOOR AREA OA RATE, Ra (CFM/SF)	ROOM OCCUPANCY, Pz (PEOPLE)	OCCUPANCY OA RATE, Rp (CFM/PERSON)	BREATHING ZONE OUTSIDE AIRFLOW, Vbz (CFM)	MINIMUM CONTINUOUS OUTDOOR AIRFLOW RATE, Q_{oa}	AIR DISTRIBUTION EFFECTIVENESS, Ez	ROOM OUTSIDE AIRFLOW, Voz (CFM)	DESIGN OUTSIDE AIRFLOW, Vpz (CFM)
201 CORRIDOR	CORRIDORS	978	0	0.06	0	-	58.7	-	0.8	73.4	290
232 GULF ADA SUITE	DWELLING UNIT	665	2	0.01	2	7.5	-	29.2	-	29.2	130
232B BEDROOM	-	-	-	-	-	-	-	-	-	-	-
232C BEDROOM	-	-	-	-	-	-	-	-	-	-	-
232D ADA RR	-	-	-	-	-	-	-	-	-	-	-
233 GULF SUITE	DWELLING UNIT	596	2	0.01	2	7.5	-	28.5	-	28.5	130
233B BEDROOM	-	-	-	-	-	-	-	-	-	-	-
233C BEDROOM	-	-	-	-	-	-	-	-	-	-	-
233D RR	-	-	-	-	-	-	-	-	-	-	-
234 GULF SUITE	DWELLING UNIT	596	2	0.01	2	7.5	-	28.5	-	28.5	130
234B BEDROOM	-	-	-	-	-	-	-	-	-	-	-
234C BEDROOM	-	-	-	-	-	-	-	-	-	-	-
234D RR	-	-	-	-	-	-	-	-	-	-	-
235 GULF SUITE	DWELLING UNIT	596	2	0.01	2	7.5	-	28.5	-	28.5	130
235B BEDROOM	-	-	-	-	-	-	-	-	-	-	-
235C BEDROOM	-	-	-	-	-	-	-	-	-	-	-
235D RR	-	-	-	-	-	-	-	-	-	-	-
236 GULF SUITE	DWELLING UNIT	584	2	0.01	2	7.5	-	28.3	-	28.3	130
236B BEDROOM	-	-	-	-	-	-	-	-	-	-	-
236C BEDROOM	-	-	-	-	-	-	-	-	-	-	-
236D RR	-	-	-	-	-	-	-	-	-	-	-
237 GULF SUITE	DWELLING UNIT	596	2	0.01	2	7.5	-	28.5	-	28.5	130
237B BEDROOM	-	-	-	-	-	-	-	-	-	-	-
237C BEDROOM	-	-	-	-	-	-	-	-	-	-	-
237D RR	-	-	-	-	-	-	-	-	-	-	-
238 GULF SUITE	DWELLING UNIT	596	2	0.01	2	7.5	-	28.5	-	28.5	130
238B BEDROOM	-	-	-	-	-	-	-	-	-	-	-
238C BEDROOM	-	-	-	-	-	-	-	-	-	-	-
238D RR	-	-	-	-	-	-	-	-	-	-	-
239 GULF SUITE	DWELLING UNIT	596	2	0.01	2	7.5	-	28.5	-	28.5	130
239B BEDROOM	-	-	-	-	-	-	-	-	-	-	-
239C BEDROOM	-	-	-	-	-	-	-	-	-	-	-
239D RR	-	-	-	-	-	-	-	-	-	-	-
240 GULF SUITE	DWELLING UNIT	596	2	0.01	2	7.5	-	28.5	-	28.5	130
240B BEDROOM	-	-	-	-	-	-	-	-	-	-	-
240C BEDROOM	-	-	-	-	-	-	-	-	-	-	-
240D RR	-	-	-	-	-	-	-	-	-	-	-
TOTALS		6399	18	-	18	-	58.7	256.7	-	330.1	1,460
SYSTEM SUMMARY											
OCCUPANT DIVERSITY, D				1							
MINIMUM REQUIRED OUTSIDE AIRFLOW, Vot (CFM)				330.1							
DESIGN OUTSIDE AIRFLOW (CFM)				1,460							

NOTE: PER 2021 IMC SECTION 403.3.2, MINIMUM CONTINUOUS OUTDOOR AIRFLOW RATE FOR R-2 OCCUPANCY: Qoa = 0.01Az + 7.5 (Nbr + 1).

OUTSIDE AIR VENTILATION CALCULATIONS

SYSTEM TAG:	OAU-4
SYSTEM TYPE:	100% OUTSIDE AIR SYSTEM
APPLICABLE CODE:	2021 INTERNATIONAL MECHANICAL CODE, SECTION 403

ROOM NAME AND NUMBER	CATEGORY	FLOOR AREA, Az (SF)	NUMBER OF BEDROOMS, N_{br}	FLOOR AREA OA RATE, Ra (CFM/SF)	ROOM OCCUPANCY, Pz (PEOPLE)	OCCUPANCY OA RATE, Rp (CFM/PERSON)	BREATHING ZONE OUTSIDE AIRFLOW, Vbz (CFM)	MINIMUM CONTINUOUS OUTDOOR AIRFLOW RATE, Q_{oa}	AIR DISTRIBUTION EFFECTIVENESS, Ez	ROOM OUTSIDE AIRFLOW, Voz (CFM)	DESIGN OUTSIDE AIRFLOW, Vpz (CFM)
201 CORRIDOR	CORRIDORS	545	0	0.06	0	-	32.7	-	0.8	40.9	340
214 UTILITY/JANITOR	MECHANICAL/ELECTRICAL	74	0	-	0	-	-	-	0.8	-	60
242 GULF SUITE	DWELLING UNIT	588	2	0.01	2	7.5	-	28.4	-	28.4	130
242B BEDROOM	-	-	-	-	-	-	-	-	-	-	-
242C BEDROOM	-	-	-	-	-	-	-	-	-	-	-
242D RR	-	-	-	-	-	-	-	-	-	-	-
243 GULF SUITE	DWELLING UNIT	973	3	0.01	3	7.5	-	39.7	-	39.7	200
243B BEDROOM	-	-	-	-	-	-	-	-	-	-	-
243C BEDROOM	-	-	-	-	-	-	-	-	-	-	-
243D BEDROOM	-	-	-	-	-	-	-	-	-	-	-
243E RR	-	-	-	-	-	-	-	-	-	-	-
243F RR	-	-	-	-	-	-	-	-	-	-	-
244 GULF SUITE	DWELLING UNIT	869	2	0.01	2	7.5	-	31.2	-	31.2	140
244B BEDROOM	-	-	-	-	-	-	-	-	-	-	-
244C BEDROOM	-	-	-	-	-	-	-	-	-	-	-
244D RR	-	-	-	-	-	-	-	-	-	-	-
245 GULF SUITE	DWELLING UNIT	612	2	0.01	2	7.5	-	28.6	-	28.6	130
245B BEDROOM	-	-	-	-	-	-	-	-	-	-	-
245C BEDROOM	-	-	-	-	-	-	-	-	-	-	-
245D RR	-	-	-	-	-	-	-	-	-	-	-
246 GULF SUITE	DWELLING UNIT	596	2	0.01	2	7.5	-	28.5	-	28.5	130
246B BEDROOM	-	-	-	-	-	-	-	-	-	-	-
246C BEDROOM	-	-	-	-	-	-	-	-	-	-	-
246D RR	-	-	-	-	-	-	-	-	-	-	-
247 GULF SUITE	DWELLING UNIT	599	2	0.01	2	7.5	-	28.5	-	28.5	130
247B BEDROOM	-	-	-	-	-	-	-	-	-	-	-
247C BEDROOM	-	-	-	-	-	-	-	-	-	-	-
247D RR	-	-	-	-	-	-	-	-	-	-	-
248 GULF SUITE	DWELLING UNIT	590	2	0.01	2	7.5	-	28.4	-	28.4	130
248B BEDROOM	-	-	-	-	-	-	-	-	-	-	-
248C BEDROOM	-	-	-	-	-	-	-	-	-	-	-
248D RR	-	-	-	-	-	-	-	-	-	-	-
249 STUDIO	DWELLING UNIT	484	1	0.01	1	7.5	-	19.8	-	19.8	70
249B RR	-	-	0	-	-	-	-	-	-	-	-
TOTALS		5930	16	-	16	-	32.7	233.1	-	274.0	1,460
SYSTEM SUMMARY											
OCCUPANT DIVERSITY, D				1							
MINIMUM REQUIRED OUTSIDE AIRFLOW, Vot (CFM)				274.0							
DESIGN OUTSIDE AIRFLOW (CFM)				1,460							

NOTE: PER 2021 IMC SECTION 403.3.2, MINIMUM CONTINUOUS OUTDOOR AIRFLOW RATE FOR R-2 DWELLING UNIT: Qoa = 0.01Az + 7.5 (Nbr + 1).

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SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED No. 39069 PROFESSIONAL ENGINEER MICHAEL A. PRUETT 07-29-2026
Michael A Pruett 39069

SCHEDULES

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ASHRAE 15 COMPLIANCE

SYSTEM	REFRIGERANT TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT$_3$)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT$_3$)	CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
OAU-3	R-454B	A2L	26	4.6	18.5	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT$_2$)	CEILING HEIGHT (FT)	VOLUME (FT$_3$)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT$_3$)
201 CORRIDOR	978	9.5	9291	52147
232 GULF ADA SUITE	296	8	2368	
232B BEDROOM	133	8	1064	
232C BEDROOM	133	8	1064	
232D ADA RR	105	8	840	
233 GULF SUITE	268	8	2144	
233B BEDROOM	123	8	984	
233C BEDROOM	123	8	984	
233D RR	73	8	584	
234 GULF SUITE	268	8	2144	
234B BEDROOM	123	8	984	
234C BEDROOM	123	8	984	
234D RR	73	8	584	
235 GULF SUITE	268	8	2144	
235B BEDROOM	123	8	984	
235C BEDROOM	123	8	984	
235D RR	73	8	584	
236 GULF SUITE	252	8	2016	
236B BEDROOM	133	8	1064	
236C BEDROOM	123	8	984	
236D RR	73	8	584	
237 GULF SUITE	268	8	2144	
237B BEDROOM	123	8	984	
237C BEDROOM	123	8	984	
237D RR	73	8	584	
238 GULF SUITE	268	8	2144	
238B BEDROOM	123	8	984	
238C BEDROOM	123	8	984	
238D RR	73	8	584	
239 GULF SUITE	268	8	2144	
239B BEDROOM	123	8	984	
239C BEDROOM	123	8	984	
239D RR	73	8	584	
240 GULF SUITE	268	8	2144	
240B BEDROOM	123	8	984	
240C BEDROOM	123	8	984	
240D RR	73	8	584	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	482.4	>	26 (M_{ac})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT$_3$)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT$_3$)	CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
OAU-4	R-454B	A2L	26	4.6	18.5	0.5	1

SPACES SERVED	AREA (FT$_2$)	CEILING HEIGHT (FT)	VOLUME (FT$_3$)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT$_3$)
201 CORRIDOR	285	9.5	2707	51259
214 UTILITY/JANITOR	195	8	1560	
241 GULF SUITE	268	8	2144	
241B BEDROOM	123	8	984	
241C BEDROOM	123	8	984	
241D RR	73	8	584	
242 GULF SUITE	268	8	2144	
242B BEDROOM	123	8	984	
242C BEDROOM	123	8	984	
242D ADA RR	73	8	584	
243 GULF SUITE	398	8	3184	
243B BEDROOM	129	8	1032	
243C BEDROOM	128	8	1024	
243D BEDROOM	131	8	1048	
243E RR	100	8	800	
243F RR	86	8	688	
244 GULF SUITE	494	8	3952	
244B BEDROOM	127	8	1016	
244C BEDROOM	166	8	1328	
244D RR	82	8	656	
245 GULF SUITE	289	8	2312	
245B BEDROOM	125	8	1000	
245C BEDROOM	127	8	1016	
245D RR	73	8	584	
246 GULF SUITE	268	8	2144	
246B BEDROOM	123	8	984	
246C BEDROOM	123	8	984	
246D RR	73	8	584	
247 GULF SUITE	268	8	2144	
247B BEDROOM	123	8	984	
247C BEDROOM	123	8	984	
247D RR	73	8	584	
248 GULF SUITE	268	8	2144	
248B BEDROOM	123	8	984	
248C BEDROOM	123	8	984	
248D RR	73	8	584	
249 GULF STUDIO	408	8	3264	
249B RR	76	8	608	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	474.2	>	26 (M_{ac})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT$_3$)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT$_3$)	CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
AC-202	R-32	A2L	3	4.6	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT$_2$)	CEILING HEIGHT (FT)	VOLUME (FT$_3$)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT$_3$)
202 ELECTRICAL	132	8	1056	1056
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	10.1	>	3 (M_{ac})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT$_3$)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT$_3$)	CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
AC-209	R-32	A2L	3	4.6	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT$_2$)	CEILING HEIGHT (FT)	VOLUME (FT$_3$)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT$_3$)
209 WORK SPACE	45	8	360	360
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	3.5	>	3 (M_{ac})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT$_3$)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT$_3$)	CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
AC-203A	R-32	A2L	3	4.6	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT$_2$)	CEILING HEIGHT (FT)	VOLUME (FT$_3$)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT$_3$)
203A MECHANICAL	91	8	728	728
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	7	>	3 (M_{ac})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT$_3$)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT$_3$)	CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
AC-213	R-32	A2L	3	4.6	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT$_2$)	CEILING HEIGHT (FT)	VOLUME (FT$_3$)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT$_3$)
213 TELECOMM	94	8	752	752
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	7.2	>	3 (M_{ac})
			COMPLIANCE:	**YES**

NOTES:
1. LARGEST REFRIGERANT CIRCUIT CHARGE IS SCHEDULED.
2. EFFECTIVE DISPERSAL VOLUME INCLUDES COMMUNICATING SPACES VIA DUCTWORK.
3. DUCTWORK VOLUME IS NEGLIBLE AND HAS NOT BEEN INCLUDED IN DISPERAL VOLUME.

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DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 39069 07-29-2026 MICHAEL A. PIVETT

Michael A Pivett 39069

SCHEDULES

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ASHRAE 15 COMPLIANCE

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT_3)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT_3)		
AC-232	R-32	A2L	7	4.8	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT_2)	CEILING HEIGHT (FT)	VOLUME (FT_3)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT_3)
232 GULF ADA SUITE	296	8	2368	5336
232B BEDROOM	133	8	1064	
232C BEDROOM	133	8	1064	
232D ADA RR	105	8	840	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	51	>	7 (M_{ER})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT_3)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT_3)		
AC-233	R-32	A2L	7	4.8	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT_2)	CEILING HEIGHT (FT)	VOLUME (FT_3)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT_3)
233 GULF SUITE	268	8	2144	4696
233B BEDROOM	123	8	984	
233C BEDROOM	123	8	984	
233D RR	73	8	584	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	44.9	>	7 (M_{ER})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT_3)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT_3)		
AC-234	R-32	A2L	9	4.8	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT_2)	CEILING HEIGHT (FT)	VOLUME (FT_3)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT_3)
234 GULF SUITE	268	8	2144	4696
234B BEDROOM	123	8	984	
234C BEDROOM	123	8	984	
234D RR	73	8	584	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	44.9	>	9 (M_{ER})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT_3)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT_3)		
AC-235	R-32	A2L	9	4.8	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT_2)	CEILING HEIGHT (FT)	VOLUME (FT_3)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT_3)
235 GULF SUITE	268	8	2144	4696
235B BEDROOM	123	8	984	
235C BEDROOM	123	8	984	
235D RR	73	8	584	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	44.9	>	9 (M_{ER})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT_3)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT_3)		
AC-236	R-32	A2L	8	4.8	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT_2)	CEILING HEIGHT (FT)	VOLUME (FT_3)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT_3)
236 GULF SUITE	252	8	2016	4648
236B BEDROOM	133	8	1064	
236C BEDROOM	123	8	984	
236D RR	73	8	584	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	44.4	>	8 (M_{ER})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT_3)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT_3)		
AC-237	R-32	A2L	8	4.8	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT_2)	CEILING HEIGHT (FT)	VOLUME (FT_3)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT_3)
237 GULF SUITE	268	8	2144	4696
237B BEDROOM	123	8	984	
237C BEDROOM	123	8	984	
237D RR	73	8	584	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	44.9	>	8 (M_{ER})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT_3)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT_3)		
AC-238	R-32	A2L	7	4.8	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT_2)	CEILING HEIGHT (FT)	VOLUME (FT_3)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT_3)
238 GULF SUITE	268	8	2144	4696
238B BEDROOM	123	8	984	
238C BEDROOM	123	8	984	
238D RR	73	8	584	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	44.9	>	7 (M_{ER})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT_3)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT_3)		
AC-239	R-32	A2L	7	4.8	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT_2)	CEILING HEIGHT (FT)	VOLUME (FT_3)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT_3)
239 GULF SUITE	268	8	2144	4696
239B BEDROOM	123	8	984	
239C BEDROOM	123	8	984	
239D RR	73	8	584	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	44.9	>	7 (M_{ER})
			COMPLIANCE:	**YES**

NOTES:
1. LARGEST REFRIGERANT CIRCUIT CHARGE IS SCHEDULED.
2. EFFECTIVE DISPERSAL VOLUME INCLUDES COMMUNICATING SPACES VIA DUCTWORK.
3. DUCTWORK VOLUME IS NEGLIBLE AND HAS NOT BEEN INCLUDED IN DISPERAL VOLUME.

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ALABAMA LICENSED No. 39069 PROFESSIONAL ENGINEER MICHAEL A. PRUETT
07-29-2026
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ASHRAE 15 COMPLIANCE

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT_3)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT_3)		
AC-240	R-32	A2L	8	4.8	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT_2)	CEILING HEIGHT (FT)	VOLUME (FT_3)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT_3)
240 GULF SUITE	268	8	2144	4696
240B BEDROOM	123	8	984	
240C BEDROOM	123	8	984	
240D RR	73	8	584	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	44.9	>	8 (M_{ref})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT_3)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT_3)		
AC-241	R-32	A2L	7	4.8	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT_2)	CEILING HEIGHT (FT)	VOLUME (FT_3)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT_3)
241 GULF SUITE	268	8	2144	4696
241B BEDROOM	123	8	984	
241C BEDROOM	123	8	984	
241D RR	73	8	584	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	44.9	>	7 (M_{ref})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT_3)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT_3)		
AC-242	R-32	A2L	7	4.8	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT_2)	CEILING HEIGHT (FT)	VOLUME (FT_3)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT_3)
242 GULF SUITE	268	8	2144	4696
242B BEDROOM	123	8	984	
242C BEDROOM	123	8	984	
242D ADA RR	73	8	584	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	44.9	>	7 (M_{ref})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT_3)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT_3)		
AC-243	R-32	A2L	8	4.8	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT_2)	CEILING HEIGHT (FT)	VOLUME (FT_3)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT_3)
243 GULF SUITE	398	8	3184	7776
243B BEDROOM	129	8	1032	
243C BEDROOM	128	8	1024	
243D BEDROOM	131	8	1048	
243E RR	100	8	800	
243F RR	86	8	688	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	74.3	>	8 (M_{ref})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT_3)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT_3)		
AC-244	R-32	A2L	8	4.8	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT_2)	CEILING HEIGHT (FT)	VOLUME (FT_3)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT_3)
244 GULF SUITE	494	8	3952	6952
244B BEDROOM	127	8	1016	
244C BEDROOM	166	8	1328	
244D RR	82	8	656	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	66.4	>	8 (M_{ref})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT_3)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT_3)		
AC-245	R-32	A2L	9	4.8	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT_2)	CEILING HEIGHT (FT)	VOLUME (FT_3)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT_3)
245 GULF SUITE	289	8	2312	4912
245B BEDROOM	125	8	1000	
245C BEDROOM	127	8	1016	
245D RR	73	8	584	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	47	>	9 (M_{ref})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT_3)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT_3)		
AC-246	R-32	A2L	7	4.8	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT_2)	CEILING HEIGHT (FT)	VOLUME (FT_3)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT_3)
246 GULF SUITE	268	8	2144	4696
246B BEDROOM	123	8	984	
246C BEDROOM	123	8	984	
246D RR	73	8	584	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	44.9	>	7 (M_{ref})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT_3)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT_3)		
AC-247	R-32	A2L	7	4.8	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT_2)	CEILING HEIGHT (FT)	VOLUME (FT_3)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT_3)
247 GULF SUITE	268	8	2144	4696
247B BEDROOM	123	8	984	
247C BEDROOM	123	8	984	
247D RR	73	8	584	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	44.9	>	7 (M_{ref})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT_3)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT_3)		
AC-248	R-32	A2L	8	4.8	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT_2)	CEILING HEIGHT (FT)	VOLUME (FT_3)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT_3)
248 GULF SUITE	268	8	2144	4696
248B BEDROOM	123	8	984	
248C BEDROOM	123	8	984	
248D RR	73	8	584	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	44.9	>	8 (M_{ref})
			COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT_3)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT_3)		
AC-249	R-32	A2L	8	4.8	19.1	0.5	1

SPACES SERVED AND CONNECTED	AREA (FT_2)	CEILING HEIGHT (FT)	VOLUME (FT_3)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT_3)
249 GULF STUDIO	408	8	3264	3872
249B RR	76	8	608	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =	V_{EFF} x LFL x CF x F_{OCC} =	37	>	8 (M_{ref})
			COMPLIANCE:	**YES**

NOTES:
1. LARGEST REFRIGERANT CIRCUIT CHARGE IS SCHEDULED.
2. EFFECTIVE DISPERSAL VOLUME INCLUDES COMMUNICATING SPACES VIA DUCTWORK.
3. DUCTWORK VOLUME IS NEGLIBLE AND HAS NOT BEEN INCLUDED IN DISPERAL VOLUME.

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DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 39069 MICHAEL A. PRUETT 07-29-2026
Michael A Pruett 39069

SCHEDULES

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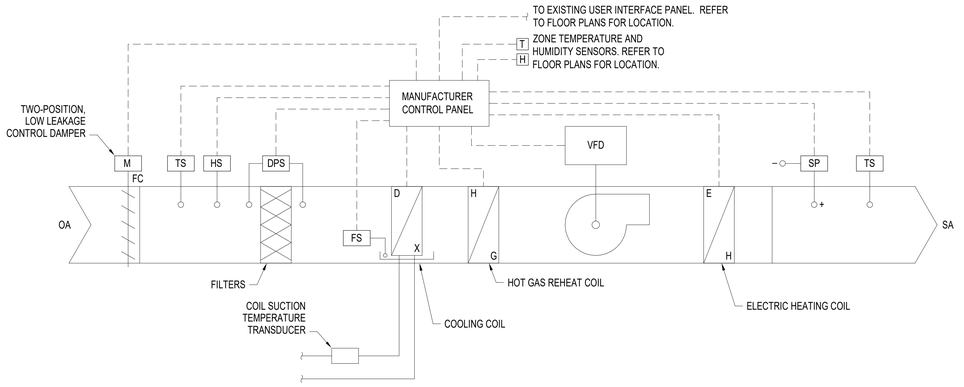
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CONTROLS ABBREVIATIONS

AC	AIR CONDITIONER
ADJ	ADJUSTABLE
AI	ANALOG INPUT
AO	ANALOG OUTPUT
C	COMMAND
CFM	CUBIC FEET PER MINUTE
CSR	CURRENT SENSING RELAY
CU	CONDENSING UNIT
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
DP	DEW POINT
DPS	DIFFERENTIAL PRESSURE SWITCH
EF	EXHAUST FAN
°F	DEGREE FARENHEIT
FACP	FIRE ALARM CONTROL PANEL
FC	FAIL CLOSED
FS	FLOAT SWITCH
HS	HUMIDITY SENSOR
HP	HEAT PUMP
M	MOTORIZED ACTUATOR
NC	NORMALLY CLOSED
OA	OUTDOOR AIR
OAU	OUTDOOR AIR UNIT
RA	RETURN AIR
RH	RELATIVE HUMIDITY
SA	SUPPLY AIR
SCR	SILICON CONTROLLED RECTIFIER
SD	SMOKE DAMPER
SDP	SECONDARY DRAIN PAN
SF	SUPPLY FAN
SP	STATIC PRESSURE
T	TEMPERATURE
TS	TEMPERATURE SENSOR
VRF	VARIABLE REFRIGERANT FLOW

CONTROLS LEGEND

- AI — ANALOG INPUT
- AO — ANALOG OUTPUT
- DI — DIGITAL INPUT
- DO — DIGITAL OUTPUT
- -- — CONTROL DEVICE (SEE ABBREVIATIONS FOR TYPE)
- D — DUCT SMOKE DETECTOR (BY ELECTRICAL)
- MOTOR STARTER
- H — ZONE HUMIDITY SENSOR
- T — ZONE TEMPERATURE SENSOR
- H — HUMIDISTAT
- T — THERMOSTAT
- -- — POINT SENSOR
- M — MOTORIZED PARALLEL BLADE DAMPER
- M — MOTORIZED VOLUME CONTROL DAMPER



1 OAU-3, OAU-4 CONTROL DIAGRAM
NOT TO SCALE

OAU-3, OAU-4 SEQUENCE OF OPERATION

OVERVIEW :
DX DEDICATED OUTDOOR AIR SYSTEMS OAU-1 AND OAU-2 SHALL PROVIDE SINGLE ZONE TEMPERATURE AND HUMIDITY CONTROL. COORDINATE SETPOINTS AND OCCUPANCY SCHEDULE WITH OWNER.

MODE ENABLE SENSOR : THE ZONE AIR TEMPERATURE AND HUMIDITY SENSORS ARE THE MODE ENABLE SENSORS AND DETERMINE WHETHER THE UNIT IS IN HEATING, COOLING, OR DEHUMIDIFICATION MODE OF OPERATION.

ON CYCLE : THE SYSTEM MAY BE INITIATED TO RUN UPON ANY OF THE FOLLOWING:
1. INTERNAL WEEK SCHEDULE.
2. REMOTE FORCED OCCUPIED CONTACT CLOSURE.
3. PUSHBUTTON OVERRIDE BUTTON ON A SPACE SENSOR (IF PROVIDED).

SCHEDULING : THE CONTROLLER HAS AN INTERNAL CLOCK THAT PROVIDES 7-DAY SCHEDULING WITH AT LEAST TWO STARTS / STOPS PER DAY AND ALLOWS SCHEDULING FOR MULTIPLE HOLIDAYS PER YEAR.

OFF CYCLE : THE SYSTEM WILL BE OFF. THE OUTDOOR AIR DAMPER WILL BE FULLY CLOSED.

HVAC MODES OF OPERATION : THERE ARE 5 POSSIBLE HVAC MODES OF OPERATION.
1. COOLING
2. HEATING
3. VENTILATION
4. DEHUMIDIFICATION
5. OFF

COOLING MODE :
1. COOLING MODE IS ENABLED WHEN THE ZONE AIR TEMPERATURE RISES ONE DEADBAND ABOVE THE COOLING SETPOINT AND DISABLED WHEN THE ZONE AIR TEMPERATURE FALLS ONE DEADBAND BELOW. THE SETPOINT AND DEADBAND ARE ADJUSTABLE.
2. AS THE ZONE AIR TEMPERATURE RISES ABOVE SETPOINT, THE COMPRESSOR WILL STAGE ON AND MODULATE TO MAINTAIN ZONE AIR TEMPERATURE SETPOINT.

HEATING MODE :
1. HEATING MODE (SCR-CONTROLLED ELECTRIC HEAT) IS ENABLED WHEN THE ZONE AIR TEMPERATURE FALLS ONE DEADBAND BELOW THE HEATING SETPOINT AND DISABLED WHEN THE ZONE AIR TEMPERATURE RISES ONE DEADBAND ABOVE.
2. AS THE ZONE AIR TEMPERATURE FALLS BELOW SETPOINT, THE ELECTRIC HEATER WILL STAGE ON AND MODULATE TO MAINTAIN ZONE AIR TEMPERATURE SETPOINT.

VENTILATION MODE : VENTILATION MODE IS ONLY AVAILABLE ANY TIME THERE IS NO DEMAND FOR HEATING OR COOLING.

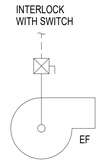
DEHUMIDIFICATION MODE :
1. DEHUMIDIFICATION MODE IS ENABLED BASED ON A ZONE AIR DEWPOINT SETPOINT. ZONE AIR HUMIDITY AND TEMPERATURE SENSORS ARE USED TO CALCULATE THE DEWPOINT.
2. AS THE ZONE AIR DEWPOINT RISES ABOVE SETPOINT, THE SYSTEM WILL MAINTAIN THE EVAPORATION COIL SUCTION TEMPERATURE AT THE COIL SUCTION TEMPERATURE SETPOINT BY MODULATING THE DIGITAL COMPRESSOR. A COIL SUCTION PRESSURE SENSOR IS FACTORY INSTALLED.
3. REHEAT DURING DEHUMIDIFICATION MODE IS PROVIDED BY HOT GAS REHEAT AND MODULATED TO MAINTAIN THE ZONE AIR TEMPERATURE SETPOINT.

ZONE SENSOR OPERATION :
1. THE ZONE TEMPERATURE SENSOR IS USED TO RESET THE ACTIVE SUPPLY AIR SETPOINT BASED ON SPACE CONDITIONS.
2. ZONE TEMPERATURE AND HUMIDITY SENSORS ARE FACTORY SUPPLIED WITH OVERRIDE AND SLIDE ADJUSTMENT FEATURES.
3. DURING UNOCCUPIED HOURS, THE OVERRIDE BUTTON CAN BE USED TO FORCE THE UNIT BACK INTO THE OCCUPIED MODE.

CONDENSER FAN CONTROL (WITH CONDENSER FAN PRESSURE MODULE) :
1. THE CONDENSER FAN IS COMMANDED ON WHEN THE FIRST COMPRESSOR IS ENABLED.
2. CONDENSER FAN SPEED IS ADJUSTED BETWEEN 0% AND 100% TO MAINTAIN THE DESIRED HEAD PRESSURE SETPOINT.

DUCT STATIC PRESSURE CONTROL FOR FILTER LOADING :
1. IN ORDER TO MAINTAIN A CONSTANT AIRFLOW THROUGH THE SUPPLY AIR DUCTWORK, A DUCT STATIC PRESSURE SENSOR IS PROVIDED TO MONITOR THE DISCHARGE PRESSURE.
2. IF THE FILTERS ARE GETTING DIRTY, THE CONTROLLER WILL RAMP UP THE VFD TO COMPENSATE FOR THE DECREASE IN AIRFLOW.

ALARMS AND INTERLOCKS :
1. PROOF OF FLOW INTERLOCK : A PROOF OF FLOW SWITCH PROVIDES A LOW VOLTAGE WET CONTACT CLOSURE WHEN THE SUPPLY FAN IS OPERATING. IF THIS CONTACT OPENS WHILE THE FAN IS BEING CALLED TO RUN, ALL HEATING AND COOLING IS DISABLED AND A FAN PROVING ALARM IS GENERATED.
2. DIRTY FILTER STATUS : THIS INPUT USES A LOW VOLTAGE WET CONTACT CLOSURE FOR FILTER STATUS INDICATION. A DIFFERENTIAL PRESSURE SWITCH IS FACTORY PROVIDED.
3. OUTDOOR AIR LOCKOUT : MECHANICAL COOLING IS DISABLED WHEN THE OUTDOOR AIR TEMPERATURE IS BELOW THE COOLING LOCKOUT SETPOINT. MECHANICAL HEATING IS DISABLED WHEN THE OUTDOOR AIR TEMPERATURE IS ABOVE THE HEATING LOCKOUT SETPOINT.
4. CONDENSATE OVERFLOW SWITCH : PROVIDE CONDENSATE OVERFLOW SWITCH TO SHUT DOWN UNIT UPON EXCESSIVE MOISTURE IN DRAIN PAN.

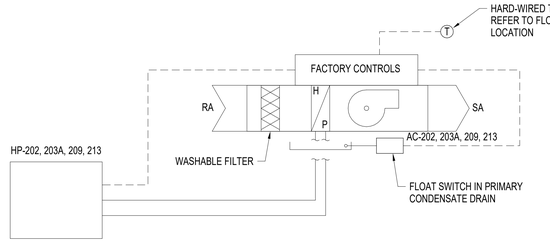


2 EF CONTROL DIAGRAM
NOT TO SCALE

EF SEQUENCE OF OPERATION

GENERAL : EXHAUST FAN PROVIDES GENERAL EXHAUST FOR RESTROOMS. FAN SHALL BE INTERLOCKED WITH LOCAL SWITCH.

INTERLOCKS : INTERLOCK EXHAUST FANS WITH SWITCH. COORDINATE WITH DIVISION 26 TO INCLUDE TIME DELAY RELAY FOR 5 MINUTE (ADJUSTABLE) OPERATION AFTER LIGHTS ARE OFF. PROVIDE ALL NECESSARY HARDWARE AS REQUIRED.



3 DUCTLESS SPLIT-SYSTEM HEAT PUMP - CONTROL DIAGRAM
NOT TO SCALE

DUCTLESS SPLIT-SYSTEM HEAT PUMP - SEQUENCE OF OPERATION

GENERAL : THIS DUCTLESS SPLIT-SYSTEM HEAT PUMP CONSISTS OF ONE OUTDOOR CONDENSING UNIT AND ONE INDOOR AIR HANDLING UNIT TO PROVIDE ZONE TEMPERATURE CONTROL BASED ON A THERMOSTAT SETPOINT.

PROVIDE ALL NECESSARY CONTROL WIRING, DEVICES, AND PROGRAMMING FOR A FULLY-FUNCTIONAL SYSTEM IN ACCORDANCE WITH THE DESIGN INTENT AND EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.

ZONE TEMPERATURE SETPOINTS : COORDINATE TEMPERATURE SETPOINTS WITH OWNER.

COOLING: 75°F (ADJUSTABLE)
HEATING: 70°F (ADJUSTABLE)

SAFETIES :
1. CONDENSATE OVERFLOW : PROVIDE OVERFLOW SWITCH IN PRIMARY CONDENSATE DRAIN TO SHUT DOWN UNIT UPON DETECTION OF MOISTURE.

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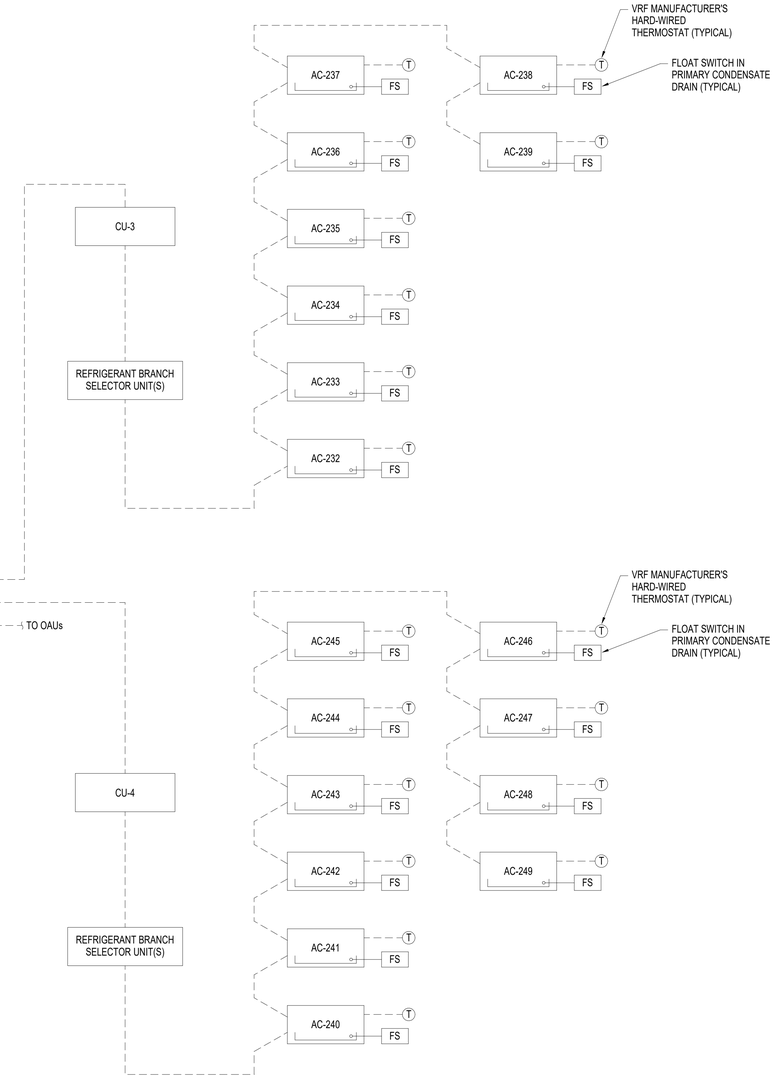
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1 VARIABLE REFRIGERANT FLOW SYSTEM - CONTROL DIAGRAM
NOT TO SCALE

VARIABLE REFRIGERANT FLOW SYSTEM - SEQUENCE OF OPERATION

GENERAL : THE VARIABLE REFRIGERANT FLOW (VRF) SYSTEM PROVIDES ZONE TEMPERATURE CONTROL THROUGHOUT THE PROJECT AREA. THE VRF SYSTEM TYPE IS HEAT RECOVERY, WHICH PROVIDES SIMULTANEOUS HEATING AND COOLING FOR ALL CONNECTED ZONES.

PROVIDE ALL NECESSARY CONTROL WIRING, DEVICES, AND PROGRAMMING FOR A FULLY-FUNCTIONAL SYSTEM IN ACCORDANCE WITH THE DESIGN INTENT AND VRF MANUFACTURER'S RECOMMENDATIONS.

ZONE SETPOINTS :
COOLING: 75°F (ADJUSTABLE)
HEATING: 70°F (ADJUSTABLE)

ALARMS :
1. CONDENSATE OVERFLOW : PROVIDE CONDENSATE OVERFLOW SWITCH IN CONDENSATE DRAIN TO SHUT DOWN UNIT AND GENERATE ALARM UPON DETECTION OF MOISTURE.
2. HIGH ZONE TEMPERATURE : 3°F (ADJ) ABOVE COOLING SETPOINT.
3. LOW ZONE TEMPERATURE : 3°F (ADJ) BELOW HEATING SETPOINT.

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PLUMBING GENERAL NOTES

1. THE CONTRACTOR SHALL EXECUTE ALL WORK SO THAT IT PROCEEDS WITH MINIMUM INTERFERENCE TO OTHER TRADES.
2. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS IN THE FIELD TO ENSURE A CLOSE, NEAT INSTALLATION WITH ALL OTHER TRADES' WORK AND EXISTING CONDITIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTIONS TO ALL PLUMBING FIXTURES AS INDICATED ON THE PLUMBING AND ARCHITECTURAL DRAWINGS. WHERE THERE EXISTS ANY DISCREPANCY IN THE DRAWINGS, THE SPECIFICATIONS OR DESIGN REQUIREMENTS, THE CONTRACTOR SHALL PROVIDE THE MORE STRINGENT REQUIREMENT AND THEN BRING THE DISCREPANCY TO THE ARCHITECT.
4. THE CONTRACTOR SHALL COORDINATE THE ROUTING AND LOCATIONS OF ALL PLUMBING UTILITIES WITH OTHER TRADES AND COORDINATE ALL REQUIRED OPENINGS AND EXCAVATIONS. ALL OPENINGS IN FOUNDATION WALLS, FLOORS AND ROOF SHALL BE DESIGNED INTO THE STRUCTURE INITIALLY BY THE USE OF SLEEVES, ETC. CUTTING AND PATCHING SHALL BE HELD TO A MINIMUM.
5. SANITARY VENTS-THRU-ROOF, SHALL BE FLASHED WATER TIGHT AND SHALL EXTEND A MINIMUM OF 12" ABOVE ROOF AND SHALL BE COORDINATED WITH THE ROOFING CONTRACTOR.
6. ALL FLOOR DRAIN P-TRAPS SHALL HAVE TRAP SEAL PROTECTION. THE TYPE OF TRAP SEAL PROTECTION SHALL BE AS INDICATED ON PLUMBING PLANS OR AS APPROVED BY LOCAL CODE OFFICIAL.
7. PROVIDE WATER HAMMER ARRESTORS ON THE HOT AND COLD WATER SUPPLY FOR ALL PLUMBING FIXTURES AND KITCHEN EQUIPMENT AS REQUIRED BY PDI WH201.
8. PROVIDE ANTI-SIPHON DEVICES ON ALL HOSE END CONNECTION FAUCETS AND HOSE BIBBS.
9. PROVIDE FIRE STOPPING FOR ALL PIPING PENETRATING RATED FLOORS, WALLS, PARTY WALLS AND CEILINGS. FIRE STOPPING METHODS SHALL BE AS INDICATED IN THE SPECIFICATIONS AND AS PER CODE REQUIREMENTS. PROVIDE FIRE STOPPING MATERIALS AND METHODS IN SUBMITTALS WITH PLUMBING SUBMITTALS.
10. NO FITTINGS SHALL BE ALLOWED ON DOMESTIC WATER PIPING BELOW CONCRETE SLAB.
11. PROVIDE DI-ELECTRIC UNIONS AT ALL DISSIMILAR METAL PIPE CONNECTIONS.

PLUMBING LEGEND

- 3" W — SANITARY SEWER
- 1 1/2" V — VENT
- 2" DCW — DOMESTIC COLD WATER
- 1" DHW — DOMESTIC HOT WATER
- EXISTING PIPE
- PIPE UP
- PIPE DOWN
- BALL VALVE
- VTR — VENT THROUGH ROOF
- CONNECT TO EXISTING
- EWH 1 — EQUIPMENT TAG
- 1 P300 — INDICATES RISER DIRECTION; SHEET WHERE RISER IS DRAWN
- WTR — INDICATES RISER TYPE

PLUMBING ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
ADA	AMERICANS WITH DISABILITY ACT
CO	CLEANOUT
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
ET	EXPANSION TANK
EWH	ELECTRIC WATER HEATER
EX.	EXISTING
°F	DEGREE FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
GAL	GALLONS
GPM	GALLONS PER MINUTE
GPF	GALLONS PER FLUSH
HD	HUB DRAIN
HR	HOUR
IN.	INCH
LV	LAVATORY
PDI	PLUMBING DRAINAGE INSTITUTE
PSI	POUNDS PER SQUARE INCH
SH	SHOWER
SK	SINK
SVS	SERVICE SINK
TYP	TYPICAL
V	VENT
VTR	VENT THROUGH ROOF
W	WATTS; WASTE
WC	WATER CLOSET
WHA	WATER HAMMER ARRESTOR
WTR	WATER
V	VOLT
Φ	PHASE

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	CONNECTIONS				MAKE	MODEL	DESCRIPTION
		WASTE	CW	HW	VENT			
FCO	FLOOR CLEANOUT	VARIOUS	-	-	-	JAY R SMITH	4020	CAST IRON BODY FINISHED FLOOR CLEANOUT WITH ADJUSTABLE NICKEL BRONZE TOP
IMB	ICE MAKER BOX	-	1/2"	-	-	OATEY	39152	ICE MAKER OUTLET BOX WITH LEAD-FREE QUARTER TURN SUPPLY VALVE AND INTEGRAL WATER HAMMER ARRESTER
LV-1	COUNTERTOP LAVATORY	1-1/2"	1/2"	1/2"	1-1/2"	AMERICAN STANDARD	0476.028	SELF-RIMMING, VITREOUS CHINA LAVATORY, ADA MOUNTING, INTEGRAL OVERFLOW, GRID DRAIN
						MOEN	CA8301	CHROME PLATED, SENSOR OPERATED, BATTERY POWERED, LAVATORY FAUCET, 0.5 GPM
						-	-	P-TRAP, FLEXIBLE SUPPLY CONNECTORS WITH ANGLE STOPS AND ESCUTCHEONS
LV-1A	COUNTERTOP LAVATORY (ADA)	1-1/2"	1/2"	1/2"	1-1/2"	AMERICAN STANDARD	0476.028	SELF-RIMMING, VITREOUS CHINA LAVATORY, ADA MOUNTING, INTEGRAL OVERFLOW, GRID DRAIN, ADA HEIGHT: MAX 34" FLOOR TO RIM
						MOEN	CA8301	CHROME PLATED, SENSOR OPERATED, BATTERY POWERED, LAVATORY FAUCET, 0.5 GPM
						-	-	P-TRAP, FLEXIBLE SUPPLY CONNECTORS WITH ANGLE STOPS AND ESCUTCHEONS
						-	-	INSULATING KIT INCLUDING MOLDED COVERS FOR STANDARD TAILPIECE, TRAP, STOPS, AND SUPPLIES FOR ADA COMPLIANCE
LWB	LAUNDRY WASH BOX	2"	3/4"	3/4"	2"	OATEY	38478	LAUNDRY WASHER BOX WITH QUARTER TURN SUPPLY VALVES, DRAIN AND INTEGRAL WATER HAMMER ARRESTORS
SH-1	PRIVATE SHOWER	3"	1/2"	1/2"	1-1/2"	-	-	TILED SHOWER STALL (BY OTHERS)
						ZURN	Z7301-SS-MT	SINGLE HANDLE, POLISHED NICKEL CHROME, PRESSURE BALANCING VALVE WITH INTEGRAL STOPS AND 1.5 GPM SHOWERHEAD
						JAY R SMITH	2005	SHOWER DRAIN APPLICABLE FOR TILED SHOWER FLOORS, CHROME PLATED ROUND GRID STRAINER, BRONZE BODY, WITH P-TRAP
SH-1A	SHOWER (ADA)	3"	1/2"	1/2"	-	FREEDOM	APC3838	38"x38" ADA TRANSFER SHOWER WITH FACTORY PROVIDED GRAB BARS AND FOLDING SHOWER SEAT, PROVIDE WITH SHOWER DRAIN
						ZURN	Z7300-SS-MT-HW-H9	SINGLE HANDLE, CHROME PLATED PRESSURE BALANCING SHOWER VALVE AND HEAD, PROVIDE WITH HANDSHOWER, HOSE AND ADJUSTABLE RAIL
SH-2A	SHOWER (ADA)	3"	1/2"	1/2"	-	FREEDOM	APF6233	60"x30" ADA ROLL-IN SHOWER WITH FACTORY PROVIDED GRAB BARS AND FOLDING SHOWER SEAT, PROVIDE WITH SHOWER DRAIN
						ZURN	Z7300-SS-MT-HW-H9	SINGLE HANDLE, CHROME PLATED PRESSURE BALANCING SHOWER VALVE AND HEAD, PROVIDE WITH HANDSHOWER, HOSE AND ADJUSTABLE RAIL
SK-1	HANDWASH SINK	1-1/2"	1/2"	1/2"	1-1/2"	ELKAY	LRADQ1316652	13"x16"x6-1/2" ADA-COMPLIANT STAINLESS STEEL DROP-IN, SINGLE BOWL SINK
						DELTA	2171LF-WBHHDF	ADA-COMPLIANT, CHROME PLATED, DECK MOUNTED GOOSENECK FAUCET WITH WRISTBLADE HANDLES, 1.5 GPM
						-	-	SINK STRAINER WITH TAILPIECE
						-	-	P-TRAP, FLEXIBLE SUPPLY CONNECTORS WITH ANGLE STOPS AND ESCUTCHEONS
SK-1A	HANDWASH SINK	1-1/2"	1/2"	1/2"	1-1/2"	ELKAY	LRADQ1316652	13"x16"x6-1/2" ADA-COMPLIANT STAINLESS STEEL DROP-IN, SINGLE BOWL SINK
						DELTA	2171LF-WBHHDF	ADA-COMPLIANT, CHROME PLATED, DECK MOUNTED GOOSENECK FAUCET WITH WRISTBLADE HANDLES, 1.5 GPM
						-	-	SINK STRAINER WITH TAILPIECE
						-	-	P-TRAP, FLEXIBLE SUPPLY CONNECTORS WITH ANGLE STOPS AND ESCUTCHEONS
SVS-1	SERVICE SINK	3"	1/2"	1/2"	1-1/2"	AMERICAN STANDARD	7745.811	FLOOR-SET, ENAMELED CAST IRON SERVICE SINK WITH GRID DRAIN STRAINER, RIM GUARD
						AMERICAN STANDARD	8344.012	EXPOSED YOKE WALL MOUNT, POLISHED CHROME, UTILITY FAUCET WITH INTEGRAL STOPS, PAIL HOOK AND VACUUM BREAKER, 3/4" THREADED HOSE CONNECTION
WC-1	WATER CLOSET	3"	1/2"	-	1-1/2"	ZURN	Z5552-K	TANK-TYPE WATER CLOSET, 1.6 GPF
						LUXART	LX1200E3	CLOSED FRONT TOILET SEAT AND COVER WITH QUIET CLOSE HINGES
WC-1A	WATER CLOSET (ADA)	3"	1/2"	-	1-1/2"	ZURN	Z5551	TANK-TYPE WATER CLOSET, 1.6 GPF, ADA COMPLIANT
						LUXART	LX1200E3	CLOSED FRONT TOILET SEAT AND COVER WITH QUIET CLOSE HINGES

NOTES:
1. ALL PLUMBING FIXTURE COLORS/FINISHES SHALL BE SELECTED BY ARCHITECT/OWNER.
2. PROVIDE RH OR LH TRIP LEVER FOR ADA WATER CLOSETS AS REQUIRED FOR GRAB BAR CONFIGURATION.
3. MODEL NUMBERS ARE PROVIDED FOR REFERENCE ONLY. COORDINATE FIXTURE TYPE AND DESCRIPTION WITH BASIS OF DESIGN MANUFACTURER.

ELECTRIC WATER HEATER SCHEDULE

MARK	LOCATION	SERVICE	STORAGE CAPACITY (GALLONS)	INLET TEMPERATURE (°F)	STORAGE TEMPERATURE (°F)	RECOVERY (GPH)	THERMAL EXPANSION TANK (GALLONS)	ELECTRICAL				MAKE	MODEL
								POWER (KW)	CURRENT (A)	(V/PH/HZ)	HEATING ELEMENTS (QTY)		
EWH-A	MECH - 203A	ADA SUITE 32 - 232	30	60	140	21	5	4.5	21.6	208/1/60	2	RHEEM	PROE30 M2 RH95
EWH-A	UTIL 4 - 204	SUITE 33 - 233	30	60	140	21	5	4.5	21.6	208/1/60	2	RHEEM	PROE30 M2 RH95
EWH-A	UTIL 4 - 204	SUITE 34 - 234	30	60	140	21	5	4.5	21.6	208/1/60	2	RHEEM	PROE30 M2 RH95
EWH-A	UTIL 5 - 205	SUITE 35 - 235	30	60	140	21	5	4.5	21.6	208/1/60	2	RHEEM	PROE30 M2 RH95
EWH-A	UTIL 5 - 205	SUITE 36 - 236	30	60	140	21	5	4.5	21.6	208/1/60	2	RHEEM	PROE30 M2 RH95
EWH-A	UTIL 6 - 206	SUITE 37 - 237	30	60	140	21	5	4.5	21.6	208/1/60	2	RHEEM	PROE30 M2 RH95
EWH-A	UTIL 6 - 206	SUITE 38 - 238	30	60	140	21	5	4.5	21.6	208/1/60	2	RHEEM	PROE30 M2 RH95
EWH-A	UTIL 7 - 207	SUITE 39 - 239	30	60	140	21	5	4.5	21.6	208/1/60	2	RHEEM	PROE30 M2 RH95
EWH-A	UTIL 7 - 207	SUITE 40 - 240	30	60	140	21	5	4.5	21.6	208/1/60	2	RHEEM	PROE30 M2 RH95
EWH-A	UTIL 8 - 208	SUITE 41 - 241	30	60	140	21	5	4.5	21.6	208/1/60	2	RHEEM	PROE30 M2 RH95
EWH-A	UTIL 8 - 208	SUITE 42 - 242	30	60	140	21	5	4.5	21.6	208/1/60	2	RHEEM	PROE30 M2 RH95
EWH-A	UTIL 8 - 213	STUDIO 49 - 249	30	60	140	21	5	4.5	21.6	208/1/60	2	RHEEM	PROE30 M2 RH95
EWH-A	UTIL 10 - 210	SUITE 45 - 245	30	60	140	21	5	4.5	21.6	208/1/60	2	RHEEM	PROE30 M2 RH95
EWH-A	UTIL 10 - 210	SUITE 46 - 246	30	60	140	21	5	4.5	21.6	208/1/60	2	RHEEM	PROE30 M2 RH95
EWH-A	UTIL 11 - 212	SUITE 47 - 247	30	60	140	21	5	4.5	21.6	208/1/60	2	RHEEM	PROE30 M2 RH95
EWH-A	UTIL 11 - 212	SUITE 48 - 248	30	60	140	21	5	4.5	21.6	208/1/60	2	RHEEM	PROE30 M2 RH95
EWH-B	UTIL 9/JAN - 214	SUITE 43 - 243	55	60	140	21	5	4.5	21.6	208/1/60	2	RHEEM	PROE55 T2 RH94
EWH-B	UTIL 9/JAN - 214	ADA SUITE 44 - 244	55	60	140	21	5	4.5	21.6	208/1/60	2	RHEEM	PROE55 T2 RH94

REMARKS:
1. PROVIDE WITH DRAIN VALVE, TEMPERATURE AND PRESSURE RELIEF VALVE & DRAIN PAN, PIPED TO FLOOR DRAIN.
2. PROVIDE WITH ANODE ROD, DIP TUBE, & DIELECTRIC UNIONS.
3. SCHEDULED INPUT POWER (KW) IS INTENDED FOR NON-SIMULTANEOUS OPERATION (UPPER/LOWER ELEMENTS), NEVER OPERATING SIMULTANEOUSLY.
4. SCHEDULED RECOVERY IS RATED FOR A 80°F TEMPERATURE RISE.

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SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED No. 39069 PROFESSIONAL ENGINEER MICHAEL A. PRUETT 07-29-2026
Michael A Pruett 39069

LEGEND, NOTES & ABBREVIATIONS

P0.01

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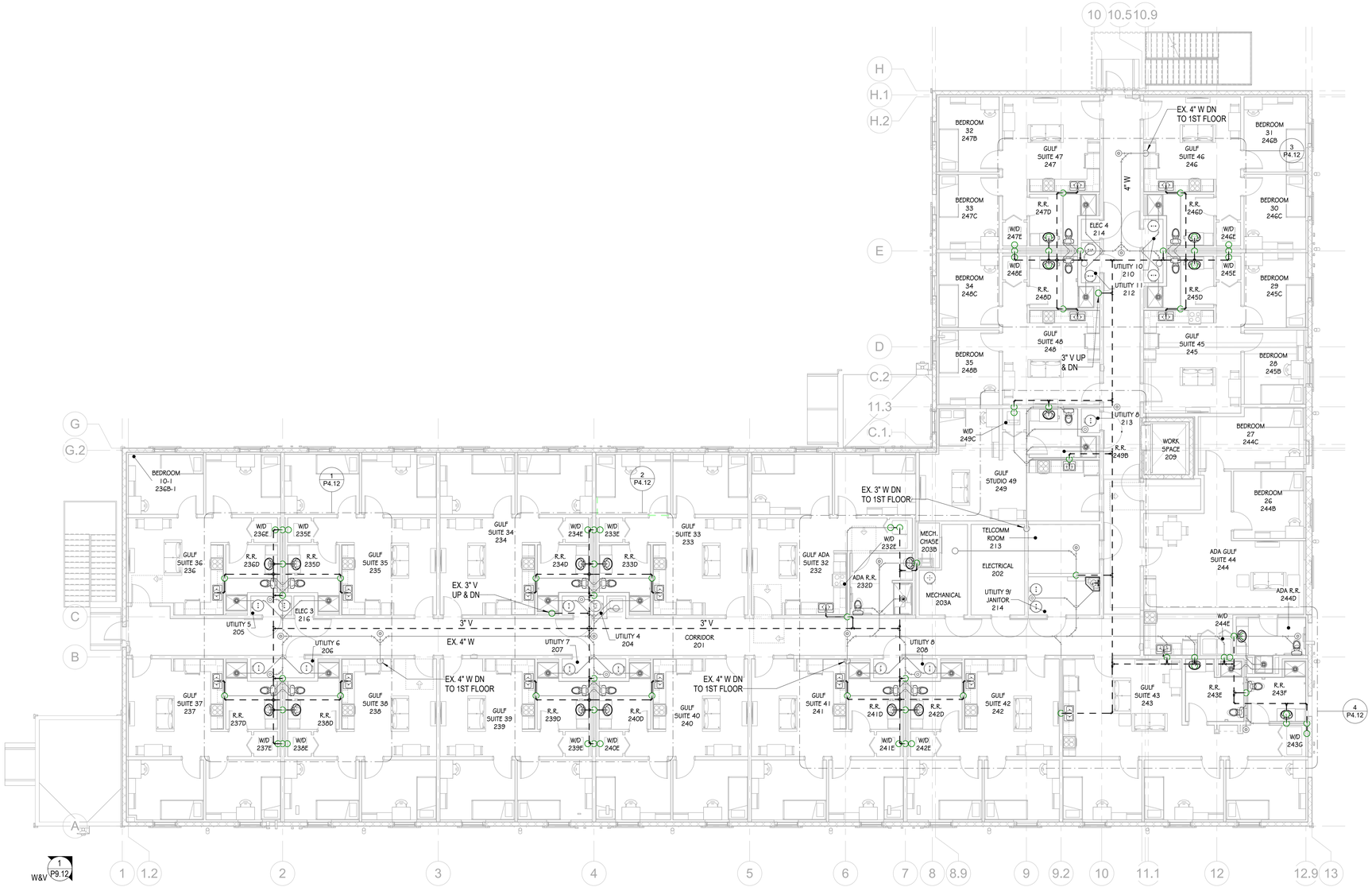
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GENERAL NOTES

1. UNLESS SPECIFICALLY NOTED AS "EXPOSED," PIPING SHALL BE CONCEALED FROM VIEW IN FINISHED AND OCCUPIED SPACES BY LOCATING WITHIN CHASES, HOLLOW WALL CONSTRUCTION, OR ABOVE CEILINGS. PIPING MAY BE SHOWN AS OFFSET FOR DRAWING CLARITY.

2. COORDINATE WITH ARCHITECTURAL LIFE SAFETY PLANS FOR LOCATIONS OF SMOKE-RESISTANT OR FIRE-RATED ASSEMBLIES.

3. SEE ENLARGED VIEWS, FIXTURE SCHEDULES, AND RISER DIAGRAMS FOR COMPLETE PIPING SYSTEM SIZING.



PLAN NORTH TRUE NORTH

1 SECOND FLOOR PLAN - WASTE & VENT

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

0 4' 8' 16'

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Michael A Pruett 39069

FLOOR PLAN - WASTE & VENT

P1.12

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GENERAL NOTES

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2. COORDINATE WITH ARCHITECTURAL LIFE SAFETY PLANS FOR LOCATIONS OF SMOKE-RESISTANT OR FIRE-RATED ASSEMBLIES.

3. SEE ENLARGED VIEWS, FIXTURE SCHEDULES, AND RISER DIAGRAMS FOR COMPLETE PIPING SYSTEM SIZING.



PLAN NORTH TRUE NORTH

1 SECOND FLOOR PLAN - DOMESTIC WATER

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

0 4' 8' 16'

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101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

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FLOOR PLAN - DOMESTIC WATER

P1.22

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GENERAL NOTES

1. PROVIDE 3" HUB DRAINS WITH 4" FUNNELS IN UTILITY CLOSETS AS INDICATED FOR DISPOSAL OF WATER HEATER DRAIN PIPING AND HVAC CONDENSATE PIPING. COORDINATE WITH MECHANICAL CONTRACTOR.

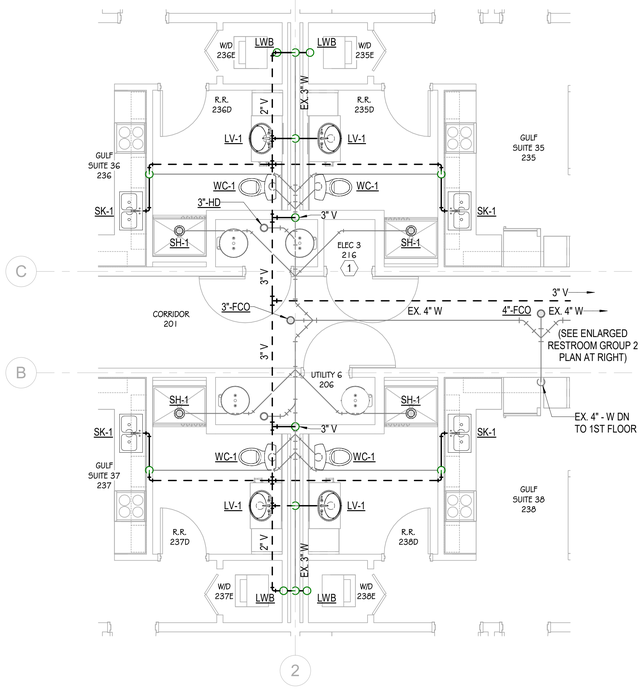
2. COORDINATE PLUMBING FIXTURE LOCATIONS WITH EXISTING ROUGH-IN WASTE PIPING AND CONNECT FIXTURES. PROVIDE MINIMAL OFFSETS AS REQUIRED FOR CONNECTION TO ENSURE A FULLY FUNCTIONAL WASTE AND VENT SYSTEM.

3. ALL VENTS ARE 2" IN SIZE UNLESS OTHERWISE NOTED.

4. SEE FIXTURE SCHEDULE AND RISER DIAGRAM FOR COMPLETE PIPING SYSTEM SIZING.

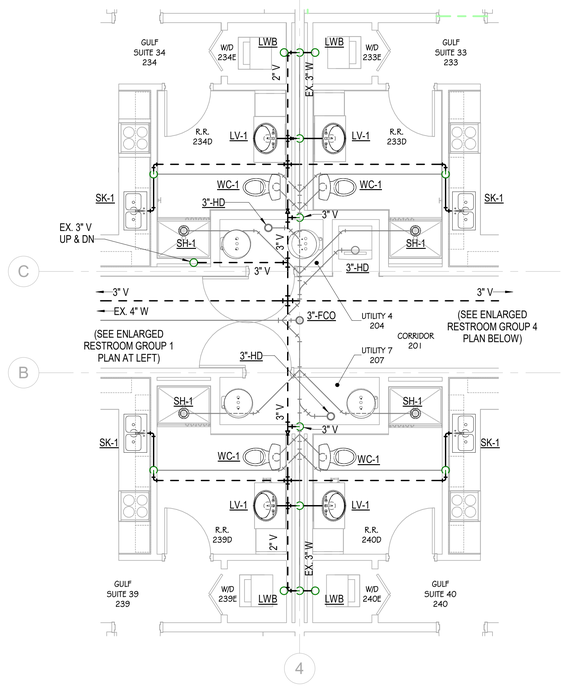
SHEET NOTES

#	
1	NO OVERHEAD PIPING SHALL BE ROUTED OVER ELECTRICAL/TELECOMMUNICATIONS EQUIPMENT OR WITHIN THE SERVICE CLEARANCE AS DEFINED BY THE NATIONAL ELECTRICAL CODE (NEC). NO DOMESTIC WATER SHALL BE ROUTED THROUGH EQUIPMENT ROOM.



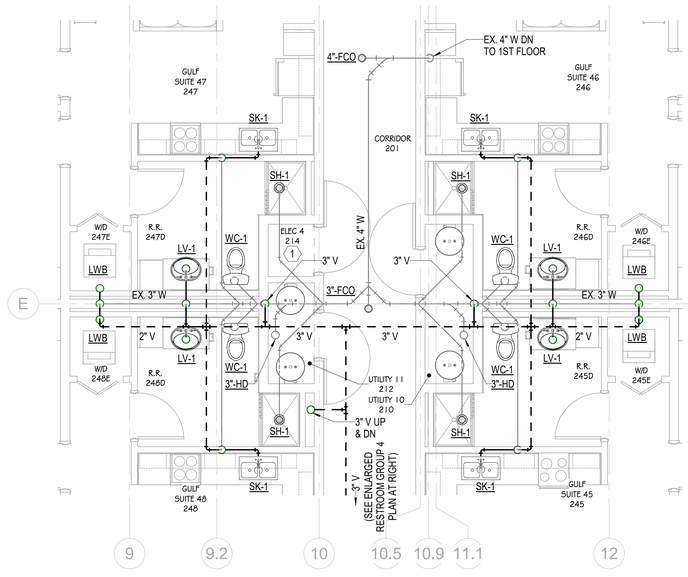
1 ENLARGED RESTROOM GROUP 1 PLAN - WASTE & VENT

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



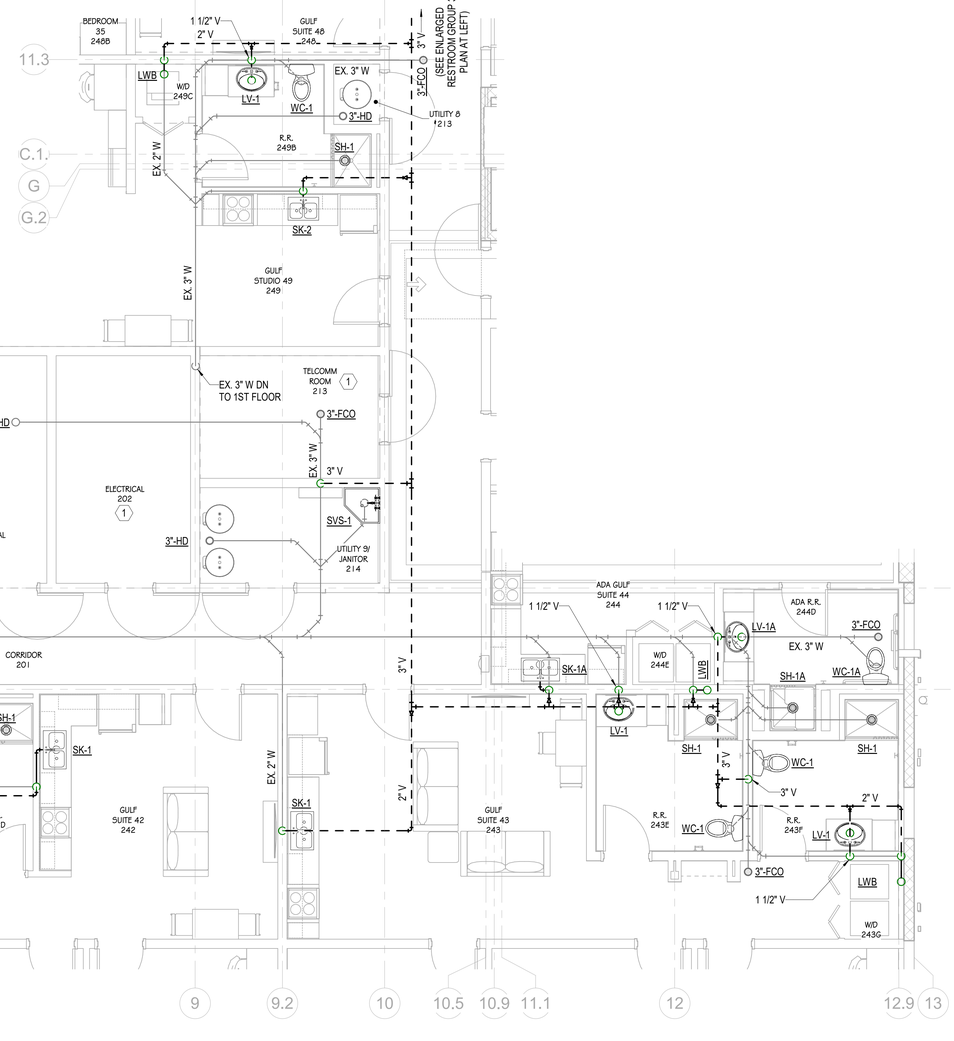
2 ENLARGED RESTROOM GROUP 2 PLAN - WASTE & VENT

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



3 ENLARGED RESTROOM GROUP 3 PLAN - WASTE & VENT

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



4 ENLARGED RESTROOM GROUP 4 PLAN - WASTE & VENT

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

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ALABAMA LICENSED PROFESSIONAL No. 39069 ENGINEER MICHAEL A. PRIEST 07-29-2026

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ENLARGED PLANS - WASTE & VENT

P4.12

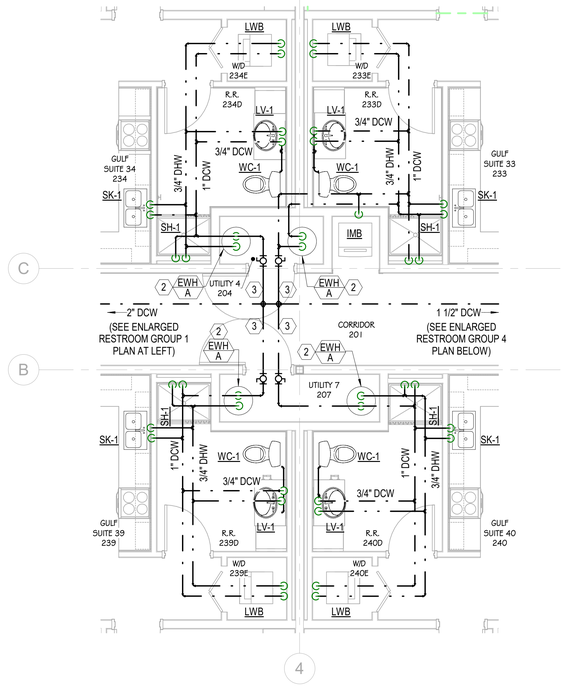
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1 ENLARGED RESTROOM GROUP 1 PLAN - DOMESTIC WATER

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

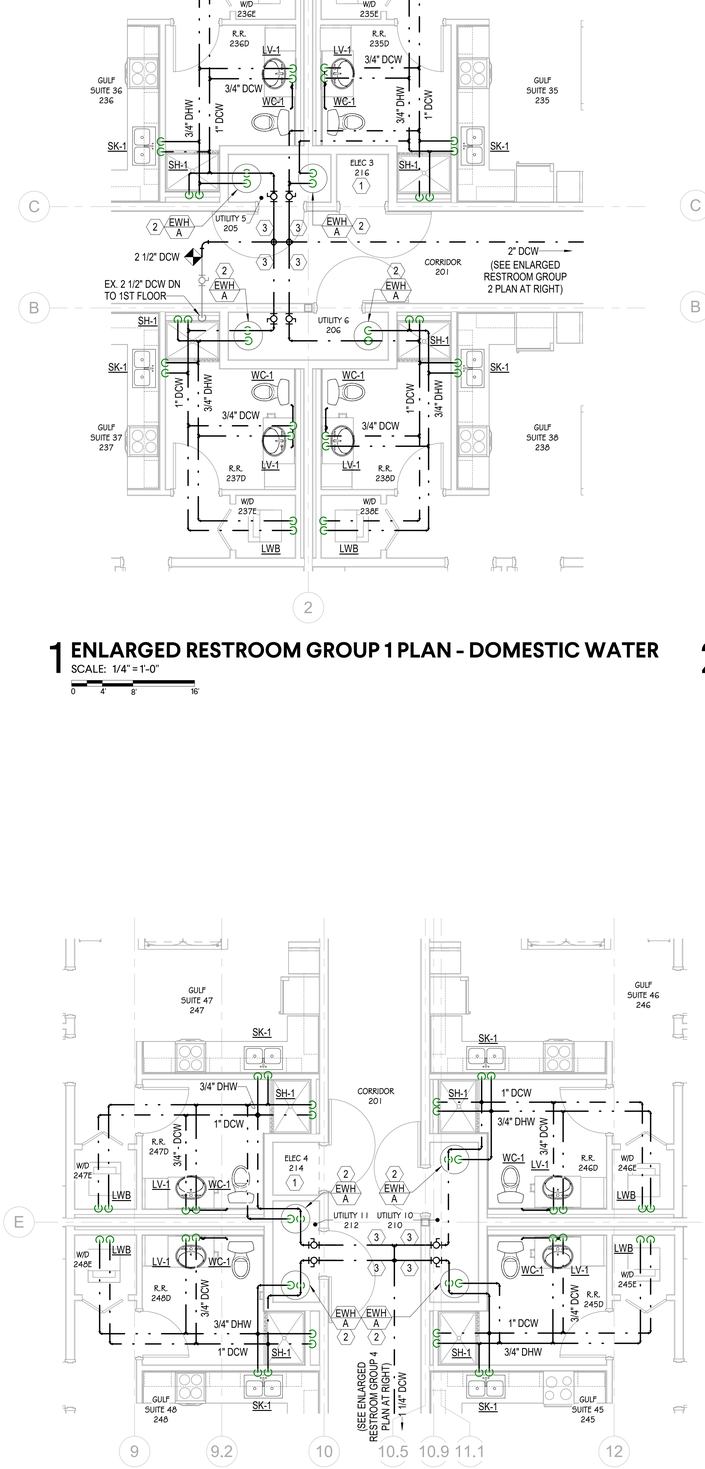
0 4' 8' 16'



2 ENLARGED RESTROOM GROUP 2 PLAN - DOMESTIC WATER

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

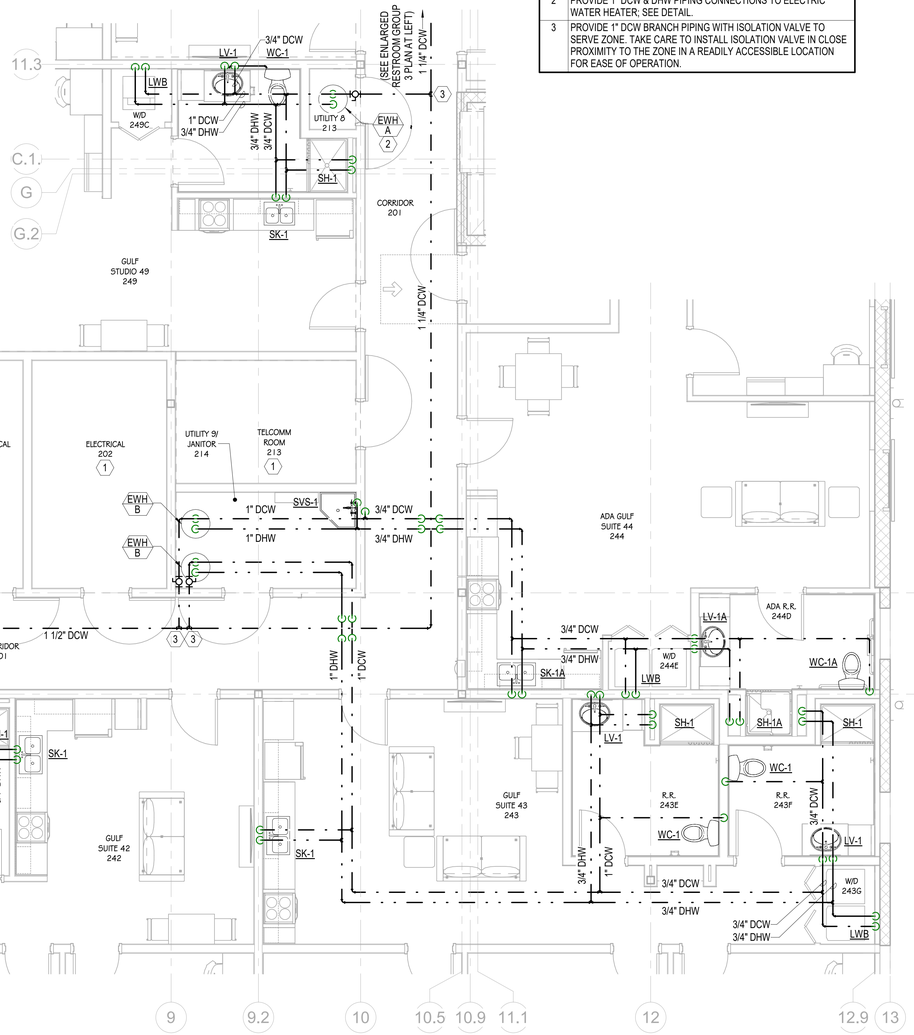
0 4' 8' 16'



3 ENLARGED RESTROOM GROUP 3 PLAN - DOMESTIC WATER

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

0 4' 8' 16'



4 ENLARGED RESTROOM GROUP 4 PLAN - DOMESTIC WATER

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

0 4' 8' 16'

GENERAL NOTES

1. SEE FIXTURE SCHEDULE AND RISER DIAGRAM FOR COMPLETE PIPING SYSTEM SIZING.

2. COORDINATE SHUTOFF VALVE LOCATIONS WITH CEILING TYPE AND BUILDING UTILITIES FOR MAINTENANCE ACCESS. PROVIDE ACCESS DOORS IN HARD CEILINGS AS REQUIRED. SEE SPECIFICATIONS.

3. SEE FIXTURE SCHEDULE AND RISER DIAGRAM FOR COMPLETE PIPING SYSTEM SIZING.

SHEET NOTES

#	
1	NO OVERHEAD PIPING SHALL BE ROUTED OVER ELECTRICAL/TELECOMMUNICATIONS EQUIPMENT OR WITHIN THE SERVICE CLEARANCE AS DEFINED BY THE NATIONAL ELECTRICAL CODE (NEC). NO DOMESTIC WATER SHALL BE ROUTED THROUGH EQUIPMENT ROOM.
2	PROVIDE 1" DCW & DHW PIPING CONNECTIONS TO ELECTRIC WATER HEATER; SEE DETAIL.
3	PROVIDE 1" DCW BRANCH PIPING WITH ISOLATION VALVE TO SERVE ZONE. TAKE CARE TO INSTALL ISOLATION VALVE IN CLOSE PROXIMITY TO THE ZONE IN A READILY ACCESSIBLE LOCATION FOR EASE OF OPERATION.

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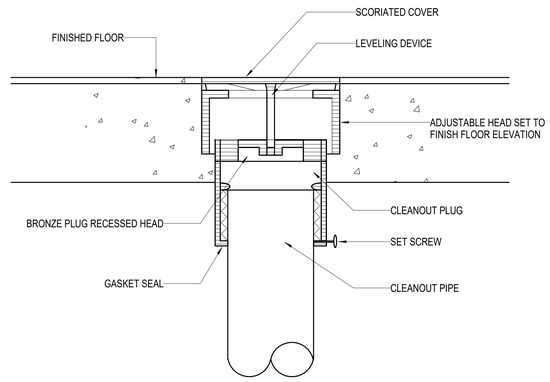
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07-29-2026
MICHAEL A. PRUETT
Michael A Pruett 39069

ENLARGED PLANS - DOMESTIC WATER

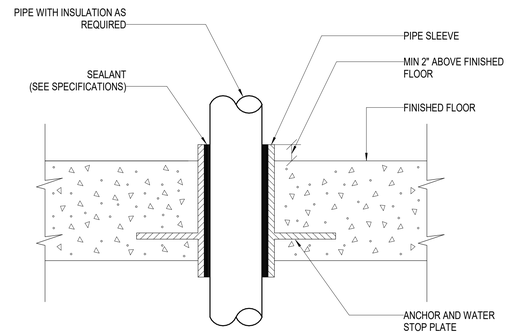
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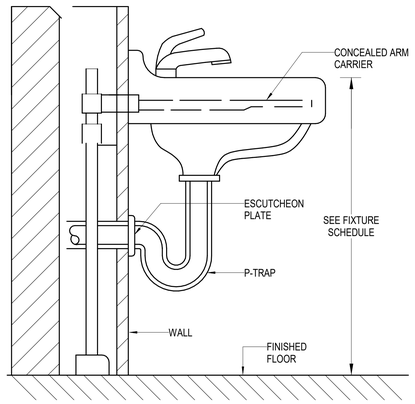
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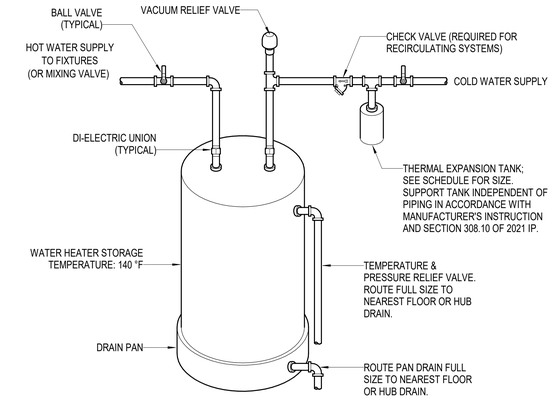
1 FINISH FLOOR CLEANOUT DETAIL
SCALE: NOT TO SCALE



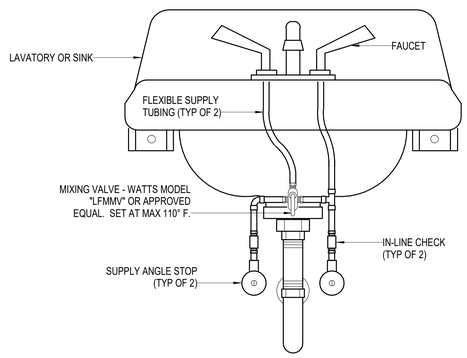
2 PIPE SLEEVE DETAIL
SCALE: NOT TO SCALE



3 LAVATORY MOUNTING DETAIL
SCALE: NOT TO SCALE

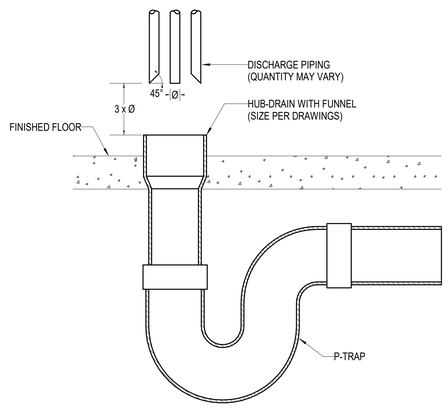


4 ELECTRIC WATER HEATER (TOP CW CONNECTION)
SCALE: NOT TO SCALE



NOTE:
PROVIDE MIXING VALVE AT ALL LAVATORIES, HAND SINKS, AND BREAKROOM SINKS TO PROVIDE TEMPERED WATER. MIXING VALVE SHALL BE ASSE 1070 APPROVED.

5 FIXTURE MIXING VALVE DETAIL
SCALE: NOT TO SCALE



6 HUB DRAIN DETAIL
SCALE: NOT TO SCALE

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DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED No. 39069 PROFESSIONAL ENGINEER MICHAEL A. PRUETT 07-29-2026
Michael A Pruett 39069

DETAILS

P5.01

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WASTE & VENT RISER DIAGRAMS

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
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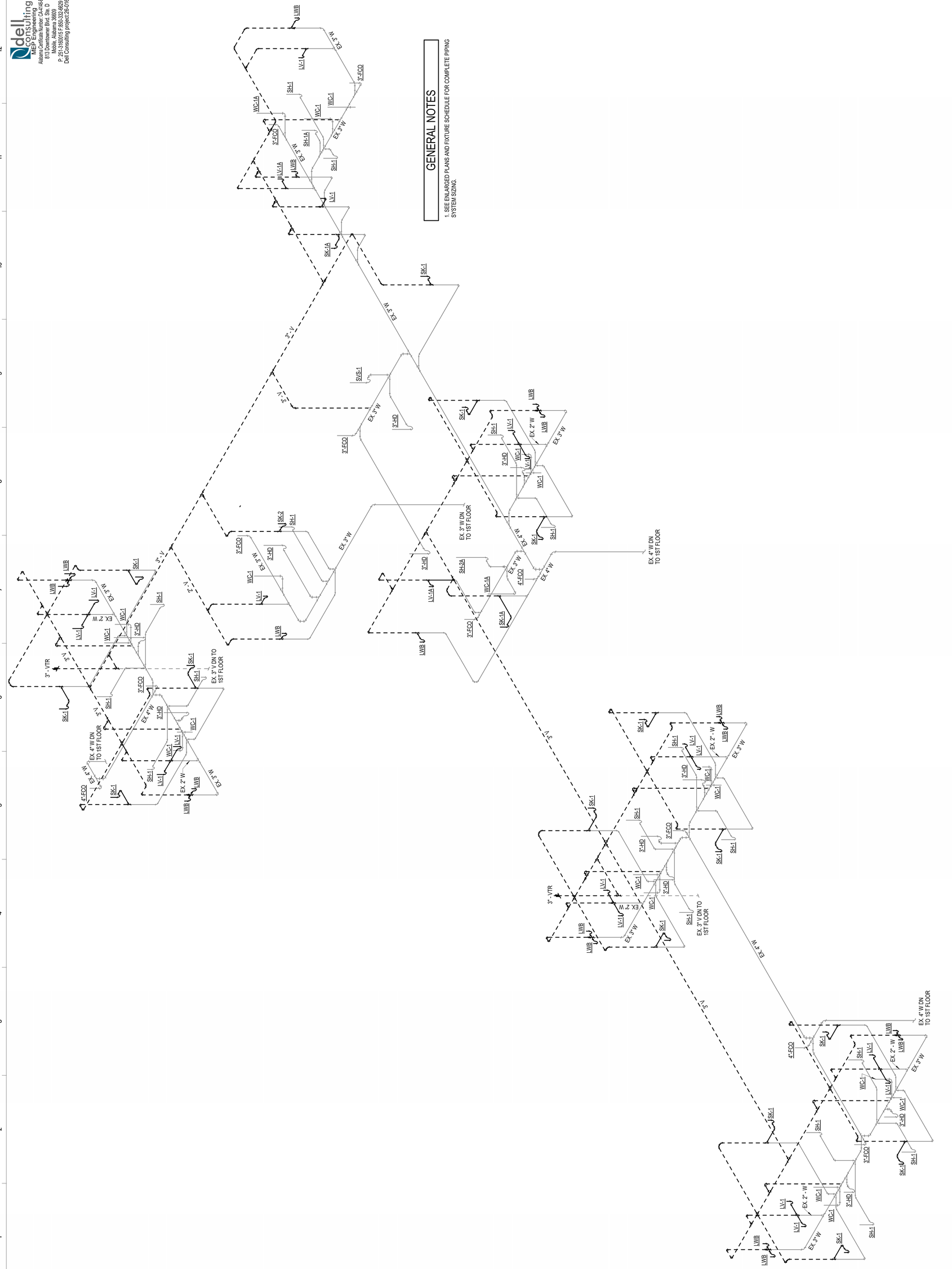
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P9.12

GENERAL NOTES

1. SEE ENLARGED PLANS AND FIXTURE SCHEDULE FOR COMPLETE PIPING SYSTEM SIZING.



1 RISER DIAGRAM - WASTE & VENT
SCALE: NOT TO SCALE

7/27/2026 10:23:15 AM

DOMESTIC WATER RISER DIAGRAMS

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
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GENERAL NOTES

1. SEE ENLARGED FLOOR PLANS AND FIXTURE SCHEDULE FOR COMPLETE PIPING SYSTEM SIZING.

SHEET NOTES

#	
1	ELECTRIC WATER HEATER NOT SHOWN FOR CLARITY ON PIPE ROUTING. SEE ENLARGED FLOOR PLANS AND EQUIPMENT SCHEDULE FOR PLACEMENT AND PERFORMANCE SPECIFICATIONS.
2	PROVIDE 1" DCW & DHW PIPING CONNECTIONS TO ELECTRIC WATER HEATER. SEE DETAIL.
3	PROVIDE 2" DCW BRANCH PIPING WITH ISOLATION VALVE TO SERVICE ZONE. TAKE CARE TO INSTALL ISOLATION VALVE IN CLOSE PROXIMITY TO THE ZONE IN A READILY ACCESSIBLE LOCATION FOR EASE OF OPERATION.

1 RISER DIAGRAM - DOMESTIC WATER

SCALE: NOT TO SCALE

7/27/2026 10:23:15 AM

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FIRE PROTECTION ABBREVIATIONS

ACT	ACOUSTIC CEILING TILE
AHJ	AUTHORITY HAVING JURISDICTION
BOD	BASIS OF DESIGN
EX	EXISTING
°F	DEGREE FAHRENHEIT
FACP	FIRE ALARM CONTROL PANEL
FBC	FLORIDA BUILDING CODE
FDC	FIRE DEPARTMENT CONNECTION
FP	FIRE PUMP
FPS	FEET PER SECOND
GAL	GALLONS
GPM	GALLONS PER MINUTE
HR	HOUR
IAW	IN ACCORDANCE WITH
IBC	INTERNATIONAL BUILDING CODE
JP	JOCKEY PUMP
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NICET	NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES
PIV	POST INDICATOR VALVE
PSI	POUNDS PER SQUARE INCH
SF	SQUARE FEET
VIP	VERTICAL INLINE PUMP

FIRE PROTECTION LEGEND

- EXISTING PIPING
- NEW PIPING
- PIPE UP
- PIPE DOWN
- EX — EXISTING PENDENT SPRINKLER HEAD
- D — DEMOLISHED PENDENT SPRINKLER HEAD
- NEW PENDENT SPRINKLER HEAD
- EX — EXISTING CONCEALED SPRINKLER HEAD
- D — DEMOLISHED CONCEALED SPRINKLER HEAD
- NEW CONCEALED SPRINKLER HEAD
- EX — EXISTING UPRIGHT SPRINKLER HEAD
- D — DEMOLISHED UPRIGHT SPRINKLER HEAD
- NEW UPRIGHT SPRINKLER HEAD

FIRE PROTECTION GENERAL NOTES

1. ALL FIRE PROTECTION AND SPRINKLER WORK SHALL BE PERFORMED BY A LICENSED FIRE SPRINKLER CONTRACTOR IN THE STATE OF ALABAMA. ALL WORK SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, APPLICABLE CODES AND STANDARDS, AND NFPA 13. RE-CERTIFY SYSTEM AS REQUIRED BY NFPA 13.
2. FIRE SPRINKLER SYSTEM SHOP/DESIGN DRAWINGS, PIPING LAYOUT, HYDRAULIC CALCULATIONS, AND SEISMIC RESISTANT DESIGN (IF REQUIRED) SHALL BE PERFORMED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF ALABAMA PER RULING OF ALABAMA FIRE MARSHAL'S OFFICE AND ALABAMA BOARD OF PROFESSIONAL ENGINEERS AND LAND SURVEYORS ADMINISTRATIVE CODE ARTICLE 1, GENERAL PROVISIONS. THE ENGINEER OF RECORD SHALL BE IN RESPONSIBLE CHARGE OF SYSTEMS DESIGNED UNDER THE ENGINEER'S SEAL. THE FIRE PROTECTION ENGINEER SHALL HAVE AT LEAST FIVE (5) YEARS DOCUMENTED FIRE PROTECTION EXPERIENCE.
3. THE INSTALLING CONTRACTOR SHALL HAVE A NICET LEVEL III (OR HIGHER) SPRINKLER TECHNICIAN, IN THEIR FULL-TIME EMPLOYMENT, SUPERVISE THE FABRICATION AND INSTALLATION OF THE SYSTEM.
4. CONTRACTOR SHALL OBTAIN A RECENT FIRE FLOW TEST PRIOR TO BID. IN THE EVENT THAT A RECENT (WITHIN 6 MONTHS OF BID DATE) FLOW TEST IS NOT AVAILABLE, THE CONTRACTOR SHALL CONDUCT OR WITNESS A FLOW TEST PRIOR TO BID.
5. MAXIMUM WATER FLOW VELOCITY AS CALCULATED IN HYDRAULIC CALCULATIONS SHALL NOT EXCEED 16 FPS.
6. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE CONNECTION POINTS AND PIPE ROUTING FOR THE REQUIRED SPRINKLER SYSTEM MODIFICATIONS PRIOR TO BID.
7. ALL NEW FIRE SPRINKLER PIPE AND ASSOCIATED FITTINGS AND JOINTS SHALL MATCH EXISTING.
8. PROVIDE FIRE STOPPING FOR ALL PIPING PENETRATING RATED FLOORS, WALLS, PARTY WALLS AND CEILINGS. FIRE STOPPING METHODS SHALL BE PER CODE REQUIREMENTS.
9. SPRINKLER HEADS LOCATED IN ACOUSTIC CEILING TILES SHALL BE IN THE CENTER OF TILE.
10. WHENEVER THE EXISTING SPRINKLER SYSTEM IS DISABLED, A FIRE WATCH SHALL BE PROVIDED AND ALL TENANTS, THE OWNER, AND THE AHJ SHALL BE NOTIFIED IN WRITING AT LEAST TWO WEEKS IN ADVANCE.
11. PROVIDE NEW SPRINKLER HEADS, BRANCH PIPING, AND FLEX DROPS IN ACCORDANCE WITH NFPA 13 AS REQUIRED TO PROVIDE FULL COVERAGE OF AREAS BEING RENOVATED. REUSE MAINS AND CROSS MAINS.
12. ALL AREAS ARE LIGHT HAZARD UNLESS OTHERWISE NOTED

FIRE PROTECTION DESIGN CRITERIA

NAME OF FACILITY:	FACILITY
LOCATION:	DAUPHIN ISLAND, AL
TYPE OF CONSTRUCTION:	NON-COMBUSTIBLE
OWNER:	DAUPHIN ISLAND SEA LAB
AUTHORITY HAVING JURISDICTION:	CITY OF DAUPHIN ISLAND, ALABAMA
GENERAL BUILDING HAZARD:	LIGHT HAZARD

PRELIMINARY HYDRAULIC ANALYSIS

LIGHT HAZARD - WET SYSTEM

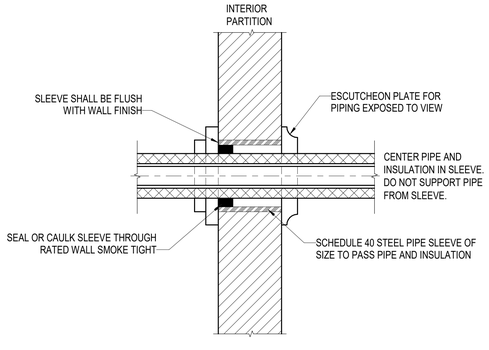
REMOTE AREA:	1500 SF
MAXIMUM AREA PER SPRINKLER:	225 SF
MINIMUM WATER FLOW DENSITY:	0.1 GPM/SF
PRELIMINARY SPRINKLER DEMAND:	200 GPM
HOSE STREAM:	100 GPM

ORDINARY HAZARD GROUP I - WET SYSTEM

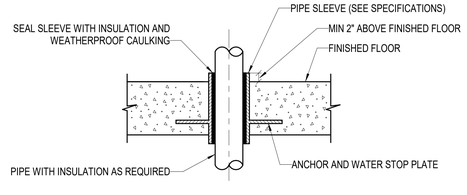
REMOTE AREA:	1500 SF
MAXIMUM AREA PER SPRINKLER:	130 SF
MINIMUM WATER FLOW DENSITY:	0.15 GPM/SF
PRELIMINARY SPRINKLER DEMAND:	270 GPM

PRELIMINARY FIRE FLOW TEST DATA

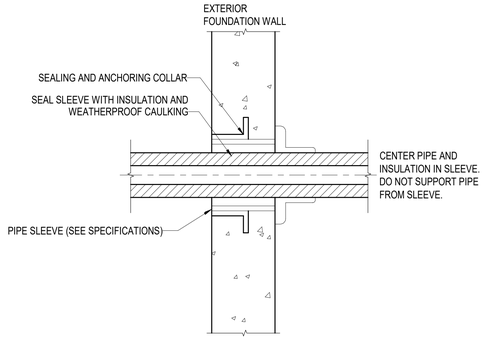
FLOW TEST DATE:	MAY 12, 2026
FLOW TEST CONDUCTED BY:	DAUPHIN ISLAND WATER AUTHORITY/GMC
SOURCE OF WATER SUPPLY:	MUNICIPAL, GRAVITY
STATIC PRESSURE:	49 PSIG
RESIDUAL PRESSURE:	22 PSIG
FLOW:	800 GPM



1 INTERIOR PARTITION PIPE SLEEVE DETAIL1
NOT TO SCALE



2 FLOOR PIPE SLEEVE DETAIL
NOT TO SCALE



3 EXTERIOR WALL PIPE SLEEVE DETAIL
NOT TO SCALE

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Mobile, AL 36602
T 251.460.4006
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ISSUE | DATE
BID DOCUMENTS | 07/29/2026

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SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED No. 39069 PROFESSIONAL ENGINEER MICHAEL A. PRUETT
07-29-2026
Michael A Pruett 39069

LEGENDS, NOTES & ABBREVIATIONS

FP0.01

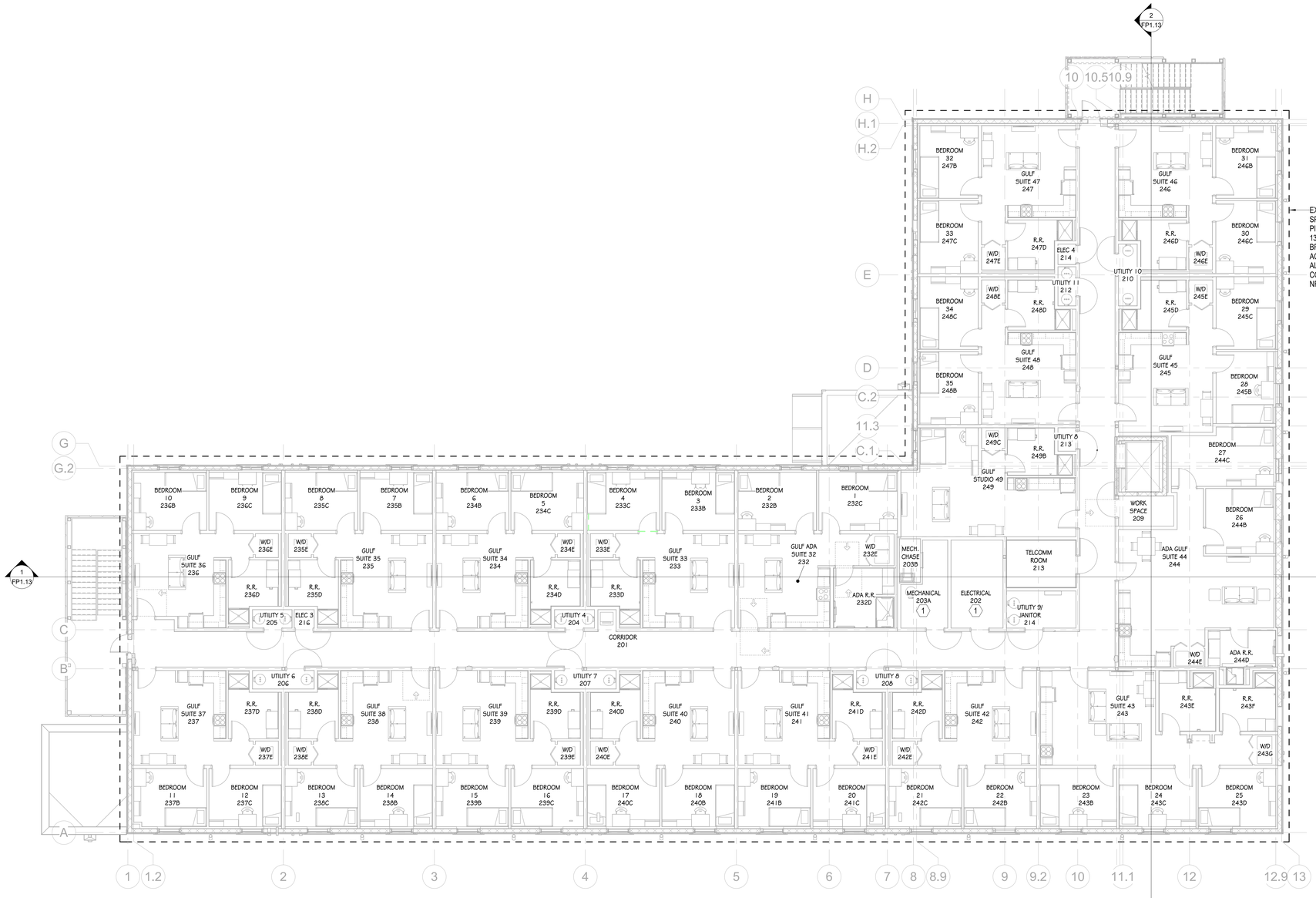
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SHEET NOTES

#	
1	ORDINARY HAZARD GROUP I.

EXISTING SECOND FLOOR IS EMPTY SHELL SPACE. CURRENTLY PROTECTED WITH WET PIPE SPRINKLER IN ACCORDANCE WITH NFPA 13. MODIFY AND ADD TO WET PIPE SYSTEM BRANCH PIPING, AS REQUIRED, TO ACCOMODATE NEW SPACE LAYOUT. PROVIDE ALL NEW SPRINKLER HEADS. ENSURE COMPLETE FIRE SPRINKLER COVERAGE IAW NFPA-13, THE SPECIFICATIONS, AND THE AHJ.



PLAN NORTH TRUE NORTH

1 SECOND FLOOR PLAN - FIRE PROTECTION

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

0 4' 8' 16'

7/27/2026 10:19:07 AM

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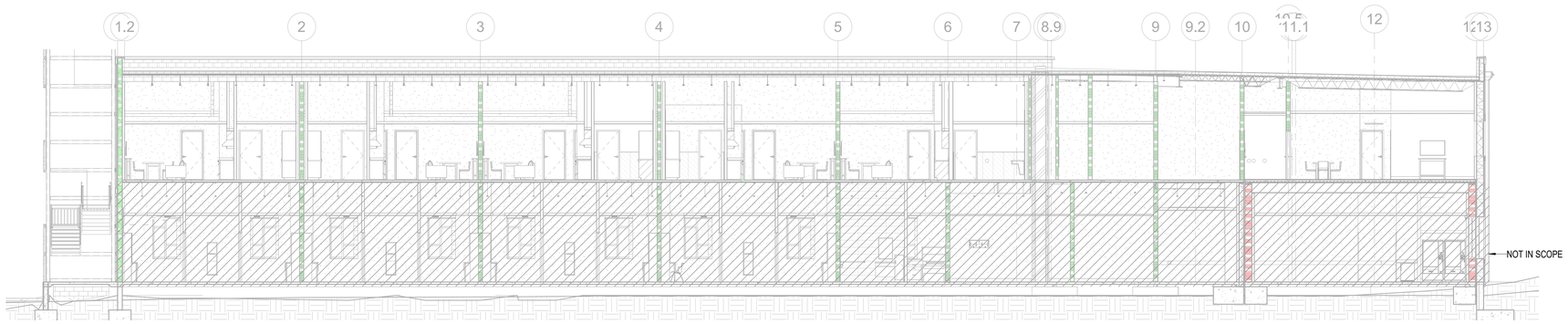
DCM# 2026138
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07-29-2026
Michael A Pruett 39069

SECOND FLOOR PLAN - FIRE PROTECTION

FP1.12

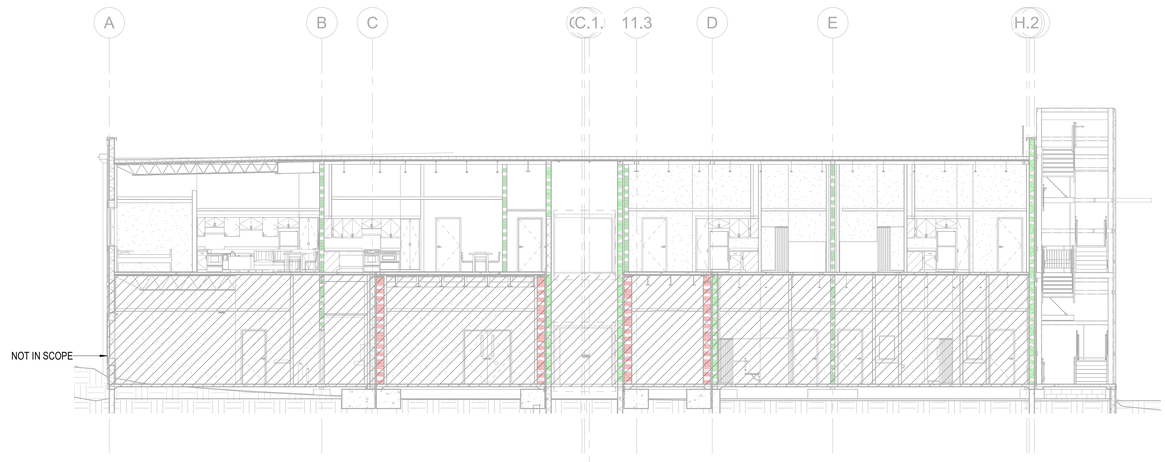
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1 FIRE PROTECTION ELEVATION VIEW - NORTH

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

0 4' 8' 16'



2 FIRE PROTECTION ELEVATION VIEW - EAST

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

0 4' 8' 16'

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ALABAMA LICENSED No. 39069 PROFESSIONAL 07-29-2026 ENGINEER MICHAEL A. PRUETT

Michael A Pruett 39069

SECTION VIEWS - FIRE PROTECTION

FP1.13

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ELECTRICAL LEGEND

GENERAL ELECTRICAL DEVICES:

$ SINGLE POLE LIGHTING SWITCH. MOUNT 48" AFF TO TOP OF BOX UNLESS NOTED OTHERWISE.
SUBSCRIPT INDICATES AS FOLLOWS:
3 - THREE-WAY LIGHTING SWITCH.
M - MOTOR RATED SWITCH MOUNTED AT THE EQUIPMENT. PROVIDE PHENOLIC LABEL.
CF - COMBINATION FAN CONTROLLER. SWITCH SHALL INDEPENDENTLY CONTROL FAN SPEED AND LIGHT. BASIS OF DESIGN - OXYGEN OSLO.
D - LINE VOLTAGE DIMMER.

DUPLEX RECEPTACLE NEMA 5-20R. MOUNT 18" AFF UNLESS NOTED OTHERWISE. VERIFY DUPLEX MOUNTING REQUIREMENTS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN. SUBSCRIPT INDICATES AS FOLLOWS:
G - GROUND FAULT CIRCUIT INTERRUPTER TYPE.
EWC - GFI DEVICE. CONCEAL RECEPTACLE BEHIND EWC (COORDINATE WITH DIVISION 23).
SPR - SURGE PROTECTION RECEPTACLE.
WP - GFI DEVICE WITH DIECAST WEATHERPROOF BACKBOX & DIECAST WEATHERPROOF (IN-USE) COVERPLATE. IN EXTERIOR LOCATIONS MOUNT 30" AFG. WEATHERPROOF OUTLET BOX HOODS ARE TO BE LISTED AND IDENTIFIED AS "EXTRA-DUTY".
TV - MOUNT RECEPTACLE BEHIND TV. SEE ARCHITECTURAL ELEVATIONS FOR C/L HEIGHT.
84" - MOUNTING HEIGHT OF DEVICE AFF.
USB - PROVIDE RECEPTACLE WITH INTEGRAL USB TYPE A AND C PORTS.
KH - GFCI RECEPTACLE FOR KITCHEN HOOD, FIELD VERIFY FINAL MOUNTING LOCATION PRIOR TO ROUGH-IN.

DUPLEX RECEPTACLE MOUNTED 42" AFF. OR MOUNT 7" ABOVE COUNTER. VERIFY COUNTER HEIGHT PRIOR TO ROUGH-IN. ORIENT WITH LONG AXIS HORIZONTAL ABOVE COUNTERS.

SPECIAL NEMA TYPE RECEPTACLE. VERIFY WITH EQUIPMENT BEING SUPPLIED. MOUNTED 10" AFF, UNLESS NOTED OTHERWISE.

QUADRAPLEX RECEPTACLE (TWO NEMA 5-20R) MOUNTED 18" AFF. UNLESS NOTED OTHERWISE

QUADRAPLEX RECEPTACLE (TWO NEMA 5-20R) MOUNTED 42" AFF. OR MOUNT 7" ABOVE COUNTER. VERIFY COUNTER HEIGHT PRIOR TO ROUGH-IN.

LIGHTING CONTROL EQUIPMENT:

LVM $ WALL MOUNTED MASTER LOW VOLTAGE LIGHT SWITCH. MOUNT 48" AFF TO TOP OF BOX UNLESS NOTED OTHERWISE.

$ LV WALL MOUNTED LOW VOLTAGE LIGHT SWITCH. MOUNT 48" AFF TO TOP OF BOX UNLESS NOTED OTHERWISE.

RD NETWORKED LIGHTING CONTROL RELAY WITH 0-10V DIMMING. SENSOR SWITCH nPP16D OR EQUAL.

DISTRIBUTION & POWER EQUIPMENT:

PANELBOARD. MOUNT AS INDICATED. SEE PANELBOARD SCHEDULES.

DISTRIBUTION PANELBOARD. MOUNT AS INDICATED. SEE PANELBOARD SCHEDULES.

EXISTING SWITCHBOARD.

NEC 110.26(A) WORKING CLEARANCE.

NON-FUSED HEAVY DUTY SAFETY SWITCH. SIZE FOR LOAD BEING SERVED.

FUSED HEAVY DUTY SAFETY SWITCH. SIZE FOR LOAD BEING SERVED.

ACCESS CONTROL/ SECURITY MANAGEMENT SYSTEM:

CCTV SYSTEM IP CEILING MOUNT DOME CAMERA. AVIGILON 5.0C-H6SL-D1-IR SECURITY CAMERA OR EQUAL.

LIGHTING FIXTURES:

SEE LIGHTING FIXTURE SCHEDULE FOR SYMBOLS AND DESCRIPTIONS.

MISCELLANEOUS EQUIPMENT:

(S) MOTOR FURNISHED BY OTHERS.

(J) JUNCTION BOX.

(E) ELECTRICAL CONNECTION TO EQUIPMENT. VERIFY LOCATION WITH EQUIPMENT PROVIDER. SUBSCRIPT INDICATES AS FOLLOWS:
SD - CONNECTION FOR SMOKE DAMPER. COORDINATE EXACT LOCATION WITH DIVISION 23 PRIOR TO ROUGH-IN.

(R) ROUGH-IN BOX. MOUNT AT 18" AFF UNLESS SUBSCRIPTED OTHERWISE. PROVIDE 4" SQUARE BY 2 1/8" DEEP BOX WITH 1" CONDUIT TO ABOVE ACCESSIBLE CEILING AND TURNED HORIZONTAL WITH BUSHING AND PULL STRING.

FIRE ALARM SYSTEM:

(F) FIRE ALARM SYSTEM ADDRESSABLE SINGLE ACTION MANUAL PULL STATION. MOUNT 48" TO CENTER OF DEVICE. PROVIDE WITH CLEAR AUDIBLE PROTECTIVE SHIELD.

(F) 110cd FIRE ALARM SYSTEM SPEAKER STROBE ALARM (CANDELA AS INDICATED ON SUBSCRIPT). MOUNT 80" AFF TO THE BOTTOM OF LENS OR 6" FROM THE CEILING, WHICHEVER IS LOWER. ALL STROBES SHALL BE SYNCHRONIZED. SUBSCRIPT "WG" INDICATED PROVIDE A WIRE GUARD OVER DEVICE.

(F) 75cd FIRE ALARM SYSTEM VISUAL ONLY APPLIANCE (CANDELA AS INDICATED ON SUBSCRIPT). MOUNT 80" AFF TO BOTTOM OF LENS OR 6" FROM THE CEILING, WHICH EVER IS LOWER. ALL STROBES SHALL BE SYNCHRONIZED. SUBSCRIPT "WP" INDICATES WEATHERPROOF DEVICE

(F) FIRE ALARM SYSTEM SPEAKER ALARM.

(H) FIRE ALARM SYSTEM ADDRESSABLE HEAT DETECTOR. CEILING MOUNT. SUBSCRIPT 190° INDICATES TO PROVIDE 190° DEVICE WITH MONITOR MODULE.

(S) FIRE ALARM SYSTEM ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR. CEILING MOUNT. UNLESS NOTED OTHERWISE. SUBSCRIPT AS FOLLOWS:
SB - PROVIDE 520 Hz LOW FREQUENCY SOUNDER BASE.

(D) FIRE ALARM SYSTEM ADDRESSABLE PHOTOELECTRIC DUCT MOUNTED SAMPLE TUBE TYPE SMOKE DETECTOR. PROVIDED BY DIV. 26, INSTALLED BY DIV. 25 AND CONNECTED BY DIV. 26. SUBSCRIPT INDICATES AS FOLLOWS:
SD - INSTALL WITHIN 5' OF SMOKE DAMPER. WIRE TO DAMPER ACTUATOR. DETECTOR SHALL BE LOCATED BETWEEN THE LAST INLET OR OUTLET UPSTREAM OF THE DAMPER AND THE FIRST INLET OR OUTLET DOWNSTREAM OF THE DAMPER.

(R) FIRE ALARM SYSTEM ADDRESSABLE AIR HANDLING UNIT SHUT-DOWN RELAY (UNLESS NOTED OTHERWISE). PROVIDE WITH POWER RELAY WHERE REQUIRED.

(E) FIRE ALARM SYSTEM ADDRESSABLE CONTROL DEVICE FOR ELEVATOR RECALL/CAPTURE AND SHUNT TRIPPING AS REQUIRED BY CODE/FIRE MARSHAL. PROVIDE AS REQUIRED FOR "DESIGNATED" AND "ALTERNATE" FLOORS. ALSO INCLUDE ALL WORK REQUIRED TO SUPERVISE THE SHUNT TRIP CKT.

FACP EXISTING FIRE ALARM CONTROL PANEL.

NAC NOTIFICATION APPLIANCE CIRCUIT (NAC) EXTENDER PANEL. BATTERY SUPPLIES TO BE MOUNTED IN CABINET. FIELD VERIFY EXACT MOUNTING LOCATION

HA ADDRESSABLE MONITOR MODULE CONNECTED TO HOOD ALARM SYSTEM.

MM ADDRESSABLE MONITOR MODULE. SUBSCRIPT INDICATES AS FOLLOWS:
SD - MONITOR MODULE FOR SMOKE DAMPER. COORDINATE EXACT LOCATION WITH DIVISION 23 PRIOR TO ROUGH-IN.

CC EXISTING 2-WAY COMMUNICATIONS - CALL COMMANDER. PROVIDES MEANS FOR ON-SITE COMMUNICATIONS BETWEEN RESCUE PERSONNEL AND TRAPPED PARTIES. (AVIRE OR APPROVED EQUAL)

BOSS EXISTING 2-WAY COMMUNICATIONS - BOSS. INCLUDES BUILT-IN SUPERVISION OF CALL BOX INTEGRITY, POWER, AND PHONE LINES. (AVIRE OR APPROVED EQUAL)

CB 2-WAY COMMUNICATIONS - CALL BOX. INTERCONNECTED WITH SMART COMMAND SYSTEM. (AVIRE OR APPROVED EQUAL)

OTHER:

CIRCUIT RUN CONCEALED ABOVE CEILING OR IN WALL.

CIRCUIT RUN CONCEALED IN OR BELOW FLOOR SLAB OR UNDERGROUND.

2P2-9 HOMERUN TO PANELBOARD. ANY CIRCUIT WITHOUT FURTHER DESIGNATION SHALL BE 2#12,#12G,1/2"C. TICK MARKS INDICATE # OF CONDUCTORS (EGC NOT INCLUDED). MINIMUM SIZE ON 120V HOMERUNS GREATER THAN 50 FEET SHALL BE #10 AWG. MINIMUM SIZE ON 120V HOMERUNS GREATER THAN 100 FEET SHALL BE #8 AWG. MINIMUM SIZE ON 277V HOMERUNS GREATER THAN 100 FEET SHALL BE #10 AWG. INCREASE CONDUIT SIZE AS REQUIRED PER NEC. UNDERLINED TEXT INDICATES CIRCUIT DESIGNATION.

AHU-1 MECHANICAL EQUIPMENT IDENTIFICATION TAG. SEE MECHANICAL EQUIPMENT ELECTRICAL SCHEDULE.

FD3H LIGHT FIXTURE IDENTIFICATION TAG. SEE LIGHT FIXTURE SCHEDULE FOR SYMBOLS & DETAILS.

1 SHEET NOTE TAG.

4LP1 PANELBOARD, SWITCHBOARD, TRANSFORMER & ELECTRICAL EQUIPMENT IDENTIFICATION TAG.

ROOM 249 ROOM NUMBER TAG.

LEADERS.

TELECOMMUNICATIONS LEGEND:

AC D3 WORK AREA OUTLET (WAO). MOUNT ON WALL AT 18" AFF UNLESS SUBSCRIPTED OTHERWISE.
SUBSCRIPT INDICATE AS FOLLOWS:
AC - MOUNT ABOVE COUNTER. COORDINATE WITH CASEWORK PRIOR TO ROUGH-IN.
84" - MOUNTING HEIGHT AFF.
ELEV - WAO TO SERVE ELEVATOR.
TV - MOUNT DATA DEVICE BEHIND TV. SEE ARCHITECTURAL ELEVATIONS FOR CEILING HEIGHT.

D3V1 WAO TYPE IDENTIFICATION TAG. THE NUMBER AFTER THE D INDICATES THE QUANTITY OF DATA/VOICE JACKS. THE NUMBER AFTER THE V INDICATES THE QUANTITY OF VIDEO JACKS. EACH JACK SHALL HAVE A DEDICATED HORIZONTAL CABLE HOMERUN. SEE TELECOMMUNICATIONS DETAILS AND NOTES FOR COLOR CODING AND OTHER OUTLET REQUIREMENTS.

WAP WIRELESS ACCESS POINT

TELECOMMUNICATIONS GROUNDING BUSBAR (TGB). SEE DETAILS AND NOTES.

S.T.I. EZ-PATH TRIPLE PATHWAY, FIRE RATED PATHWAY.

LINE TYPE LEGEND

NEW WORK

EXISTING TO REMAIN

EXISTING TO BE REMOVED BY CONTRACTOR

GENERAL NOTES

1. INFORMATION GIVEN HEREIN WAS TAKEN FROM ORIGINAL AS-BUILT DRAWINGS AND ON-SITE FIELD INVESTIGATION. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING ANY WORK.
2. UPON DISCOVERY OF DISCREPANCIES BETWEEN THE DRAWINGS AND EXISTING FIELD CONDITIONS OR UPON DISCOVERY OF UNKNOWN CONDITIONS DETRIMENTAL TO THE COMPLETION OF WORK AS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD, IN WRITING, OF THE CONDITION IN QUESTION PRIOR TO COMMENCING WORK IN THAT AREA.
3. SEAL ANY OPENINGS MADE IN FIRE RATED WALLS, WHETHER SHOWN ON THE DRAWINGS OR NOT.
4. SEAL WALL OPENINGS MADE FROM EXISTING CONDUIT AND DEVICE REMOVAL DURING DEMOLITION.
5. CONTRACTOR SHALL RESTORE ALL SURFACES DAMAGED BY CONSTRUCTION TO ORIGINAL CONDITION, INCLUDING BUT NOT LIMITED TO, REPLACING DAMAGED CEILING TILES, PATCHING AND PAINTED DAMAGED WALLS AND CEILINGS, GROUTING, SEALING, AND PAINTING DAMAGED SURFACES, ETC.
6. ALL CIRCUITS OR FEEDERS PASSING THROUGH THE SPACE THAT SERVE AREAS OUTSIDE OF THE RENOVATION AREA SHALL BE PROTECTED AND SHALL REMAIN OPERATIONAL THROUGHOUT THE DURATION OF CONSTRUCTION.
7. CONTRACTOR SHALL REPAIR CONCRETE THAT IS DISTURBED DURING CONSTRUCTION TO MATCH ORIGINAL CONDITIONS.
8. DCM PERMITS ENGINEERS TO TAKE EXCEPTION TO THE REQUIREMENTS OF ASHRAE 90.1-2013 FOR AUTOMATIC RECEPTACLE CONTROL. THE EXCEPTION TO 90.1 SECTION 8.4.2 IS TAKEN IN THESE DRAWINGS. DCM PROJECT NUMBER: 2026138

DIVISION 27 CONTRACTOR RESPONSIBILITIES AND COORDINATION NOTE

THIS LIST IS NOT COMPREHENSIVE. THE STRUCTURED CABLING SYSTEM CONTRACTOR (SCSC) SHALL BE RESPONSIBLE FOR ANY ADDITIONAL REQUIREMENTS SHOWN ON THE TELECOMMUNICATIONS DRAWINGS AND/OR REQUIRED TO PROVIDE A COMPLETE SYSTEM.

1. GROUNDING:
THE ELECTRICAL CONTRACTOR (EC) SHALL BE RESPONSIBLE FOR INSTALLING THE GROUNDING BUSBARS AS SHOWN ON THE DRAWINGS AND CONNECTING THEM TO THE BUILDINGS MAIN ELECTRICAL SERVICE GROUND. THE EC SHALL ALSO BE RESPONSIBLE FOR ALL BONDING BACKBONES AND GROUNDING ALL BACKBONE CONDUIT AND CABLE TRAY. THE STRUCTURED CABLING SYSTEM CONTRACTOR (SCSC) SHALL BE RESPONSIBLE FOR GROUNDING ALL RACKS, VOICE BLOCKS, PROTECTOR BLOCKS, CABLE LADDER TRAY IN COMMUNICATION ROOMS TO THE LOCAL TGB IN THE TR.

2. FIRESTOPPING:
THE EC SHALL BE RESPONSIBLE FOR FIRESTOPPING SLEEVE ASSEMBLIES TO OBTAIN A UL RATING. THE SCSC SHALL BE RESPONSIBLE FOR FIRESTOPPING INSIDE THE RACEWAYS AFTER INSTALLATION OF CABLING IS COMPLETE.

3. RACEWAYS:
THE EC SHALL BE RESPONSIBLE FOR ALL BACKBONE CONDUIT, HORIZONTAL CONDUIT, CABLE TRAYS (EXCEPT PERIMETER CABLE TRAYS AND LADDER TRAYS IN TRs) AND CABLING PATHWAYS. THIS IS TO INCLUDE ALL INTERIOR AND EXTERIOR CONDUIT, ALL WALL PENETRATIONS AND CONDUIT SLEEVES WHETHER SHOWN ON THE DRAWINGS OR AS REQUIRED TO PENETRATE FULL HEIGHT PARTITIONS AS SHOWN ON THE ARCHITECTURAL DRAWINGS. CONDUIT PATHWAYS SHALL INCLUDE ALL DEVICE BOXES, PULLBOXES, PULLTAPE, PULLSTRINGS, CONDUIT MARKINGS, ETC. PROVIDE END BUSHINGS ON ALL CONDUIT. THE SCSC SHALL BE RESPONSIBLE FOR THE FOLLOWING ITEMS IN TELECOMMUNICATIONS ROOMS ONLY: RUNWAYS, PERIMETER CABLE TRAY, D-RINGS, CABLE TIES AND/OR ANY OTHER REQUIREMENTS FOR ROUTING AND SECURING CABLE IN THE TELECOMMUNICATIONS ROOMS. THE SCSC SHALL PROVIDE ANY INNERDUCT IN BACKBONE CONDUITS AS REQUIRED IN THE SPECIFICATIONS AND DRAWINGS. WAP ENCLOSURES SHALL BE OFCI, WAP ELECTRONICS SHALL BE OFOI.

4. COMMUNICATIONS CABLING:
THE SCSC SHALL BE RESPONSIBLE FOR PROVIDING, INSTALLING, TERMINATING, TESTING AND LABELING ALL COMMUNICATIONS CABLES.

5. COMMUNICATIONS WORK AREA OUTLETS:
THE EC SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL CONDUIT AND BACKBOXES ASSOCIATED WITH THE WAOs. SCSC SHALL PROVIDE ALL CABLING, OUTLET DEVICES AND FACEPLATES.

6. BACKBOARDS:
THE SCSC SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL BACKBOARDS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE A COMPLETE SYSTEM. THE EC SHALL BE RESPONSIBLE FOR ROUGH-IN OF ELECTRICAL CONDUIT PRIOR TO INSTALLATION OF BACKBOARDS. ALL POWER CONDUIT SHALL BE CONCEALED IN WALL BEHIND ALL BACKBOARDS. BACKBONE CONDUIT SHALL BE EXPOSED.

7. INTERBUILDING & EXTERIOR WORK:
COORDINATE ALL WORK WITH THE APPROPRIATE PROVIDERS.

ABBREVIATIONS		ABBREVIATIONS	
72°	DEGREES	MCA	MINIMUM CIRCUIT AMPACITY
A	AMPS	MCE	MAIN COMMUNICATIONS EQUIPMENT ROOM
AC	ABOVE COUNTER		
AF	AMP FRAME	MCM	THOUSAND CIRCULAR MILS
AFCI	ARC FAULT CIRCUIT INTERRUPTER	MIN	MINIMUM
AFF	ABOVE FINISHED FLOOR	MISC	MISCELLANEOUS
AFG	ABOVE FINISHED GRADE	MLO	MAIN LUGS ONLY
AHU	AIR HANDLING UNIT	MNT	MOUNTING HEIGHT
AL	ALUMINUM	MTG	MOUNTING
ARCH	ARCHITECT OR ARCHITECTURAL	N1	NEMA 1
AT	AMP TRIP	N3R	NEMA 3R
ATU	AIR TERMINAL UNIT	N/A	NOT APPLICABLE
AWG	AMERICAN WIRE GAUGE	NA	NOT APPLICABLE
BAS	BUILDING AUTOMATION SYSTEM	NEC	NATIONAL ELECTRICAL CODE
BFG	BELOW FINISHED GRADE	NESC	NATIONAL ELECTRICAL SAFETY CODE
BJ	BONDING JUMPER	NEU	NEUTRAL
BKR	CIRCUIT BREAKER	NIC	NOT IN CONTRACT
BLDG	BUILDING	OCPD	OVERCURRENT PROTECTION DEVICE
BOD	BASIS OF DESIGN	OFCI	OWNER FURNISHED / CONTRACTOR INSTALLED
C	CONDUIT		
C/B	CIRCUIT BREAKER	OFOI	OWNER FURNISHED / OWNER INSTALLED
CKT	CIRCUIT	PBD	PANELBOARD
CL	CURRENT LIMITING	PF	POWER FACTOR
CLG	CEILING	PNL	PANELBOARD
CT	CURRENT TRANSFORMER	PT	POWER TRANSFORMER
CU	COPPER	PWR	POWER
DEMO	DEMOLISH	REC	RECEPTACLE
DM	EXISTING TO BE DEMOLISHED	REQD	REQUIRED
DT	DIGITAL TIME CLOCK	RGS	RIGID GALVANIZED STEEL CONDUIT
EC	ELECTRICAL CONTRACTOR	RM	ROOM
EF	EXHAUST FAN	RNC	RIGID NON-METALLIC CONDUIT
EGC	EQUIPMENT GROUNDING CONDUCTOR	S/M	SINGLEMODE
ELEC	ELECTRICAL	SA	SURGE ARRESTER
ELEV	ELEVATOR	SCA	SHORT CIRCUIT AMPS
EMGB	ELECTRICAL MAIN GROUNDING BUSBAR	SF	SUPPLY FAN
EMT	ELECTRICAL METALLIC TUBING	SPD	SURGE PROTECTION DEVICE
EQUIP	EQUIPMENT	SPEC	SPECIFICATION
EX	EXISTING TO REMAIN	SWBD	SWITCHBOARD
F/A	FIRE ALARM	TBB	TELECOMMUNICATIONS BONDING BACKBONE
FACP	FIRE ALARM CONTROL PANEL		
FLA	FULL LOAD AMPS	TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
FLR	FLOOR		
FMC	FLEXIBLE METALLIC CONDUIT	TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
FU	FUSE		
G	GROUND (OR GFCI FOR RECEPTACLE)	TR	TELECOMMUNICATIONS ROOM
GC	GENERAL CONTRACTOR	TYP	TYPICAL
GEC	GROUNDING ELECTRODE CONDUCTOR	UG	UNDERGROUND
GFI	GROUND FAULT INTERRUPTER	UL	UNDERWRITER'S LABORATORIES
GND	GROUND	UNO	UNLESS NOTED OTHERWISE
HP	HORSEPOWER	UPS	UNINTERRUPTIBLE POWER SUPPLY
HVAC	HEATING, VENTILATION, AND AIR-CONDITIONING	V	VOLT
		VA	VOLT-AMPERES
IMC	INTERMEDIATE METAL CONDUIT	VAV	VOLT-AMPERES REACTIVE
JB	JUNCTION BOX	W	WATTS
k	KILO	WAO	WORK AREA OUTLET
kAIC	KILO-AMPERE INTERRUPTING CAPABILITY	WAP	WIRELESS ACCESS POINT
kCMIL	THOUSAND CIRCULAR MILS	WP	WEATHERPROOF
LFMC	LIQUID TIGHT FLEXIBAL METAL CONDUIT	WSR	WITHSTAND RATING
LTG	LIGHTING	XFMR	TRANSFORMER
LV	LOW VOLTAGE	Δ	DELTA
MAX	MAXIMUM	Φ	PHASE
		Ω	OHMS

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SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED PROFESSIONAL No. 39426 ENGINEER 07-29-2026 MICHAEL CHRISTOPHER

Michael C. Lee 39426

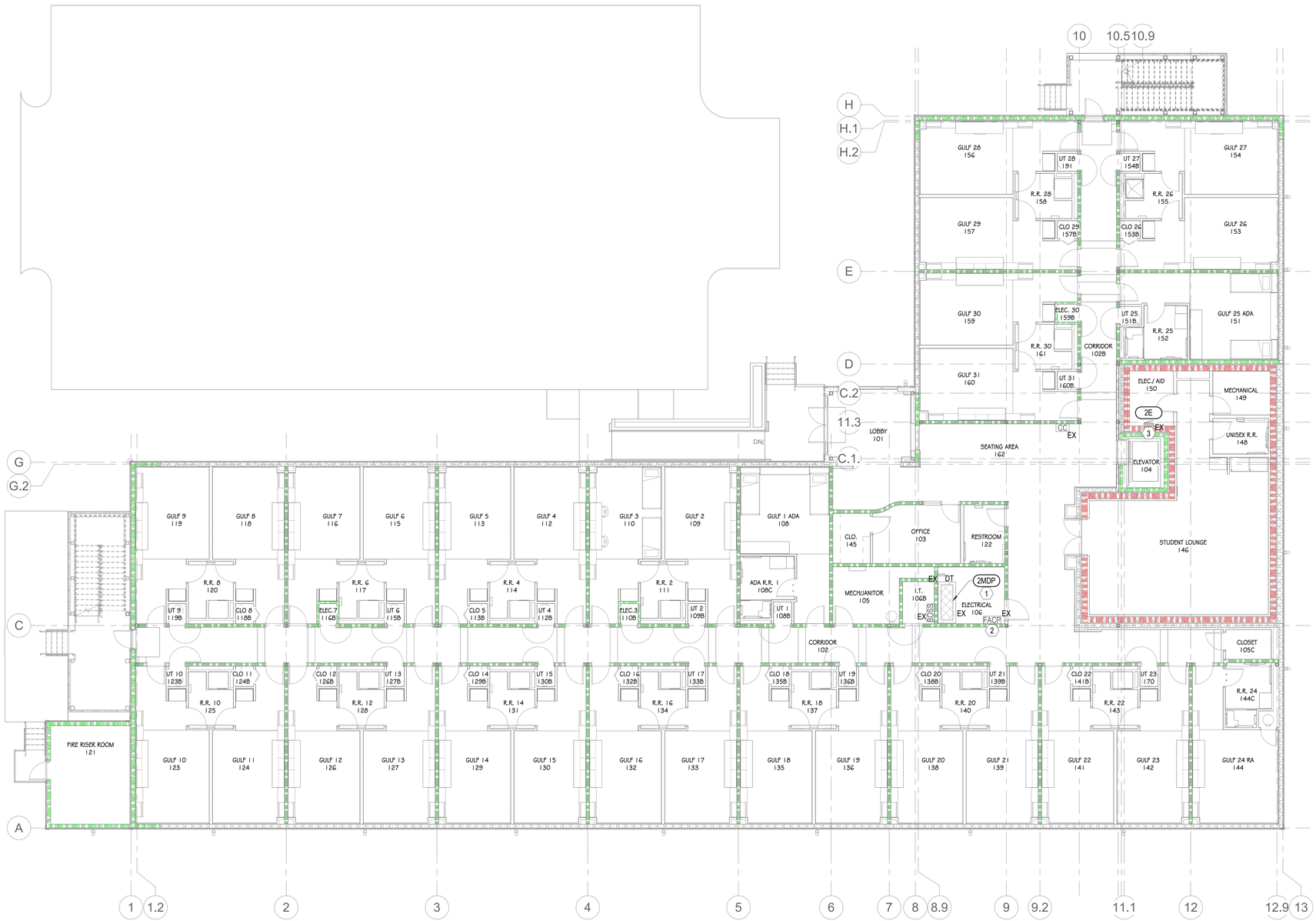
LEGEND, NOTES & ABBREVIATIONS

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SHEET NOTES

1	EXISTING 208Y/120V, 3PH/4W, 2500A MCB, 42kAIC SERVICE RATED SWBD INSTALLED UNDER FIRST FLOOR PROJECT.
2	EXISTING FACP INSTALLED UNDER FIRST FLOOR PROJECT.
3	EXISTING 208Y/120V, 3PH/4W, 200A MCB, 22kAIC SERVICE RATED PANELBOARD INSTALLED UNDER FIRST FLOOR PROJECT.



PLAN NORTH

TRUE NORTH

1 FIRST FLOOR PLAN - REFERENCE

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

0 4' 8' 16'

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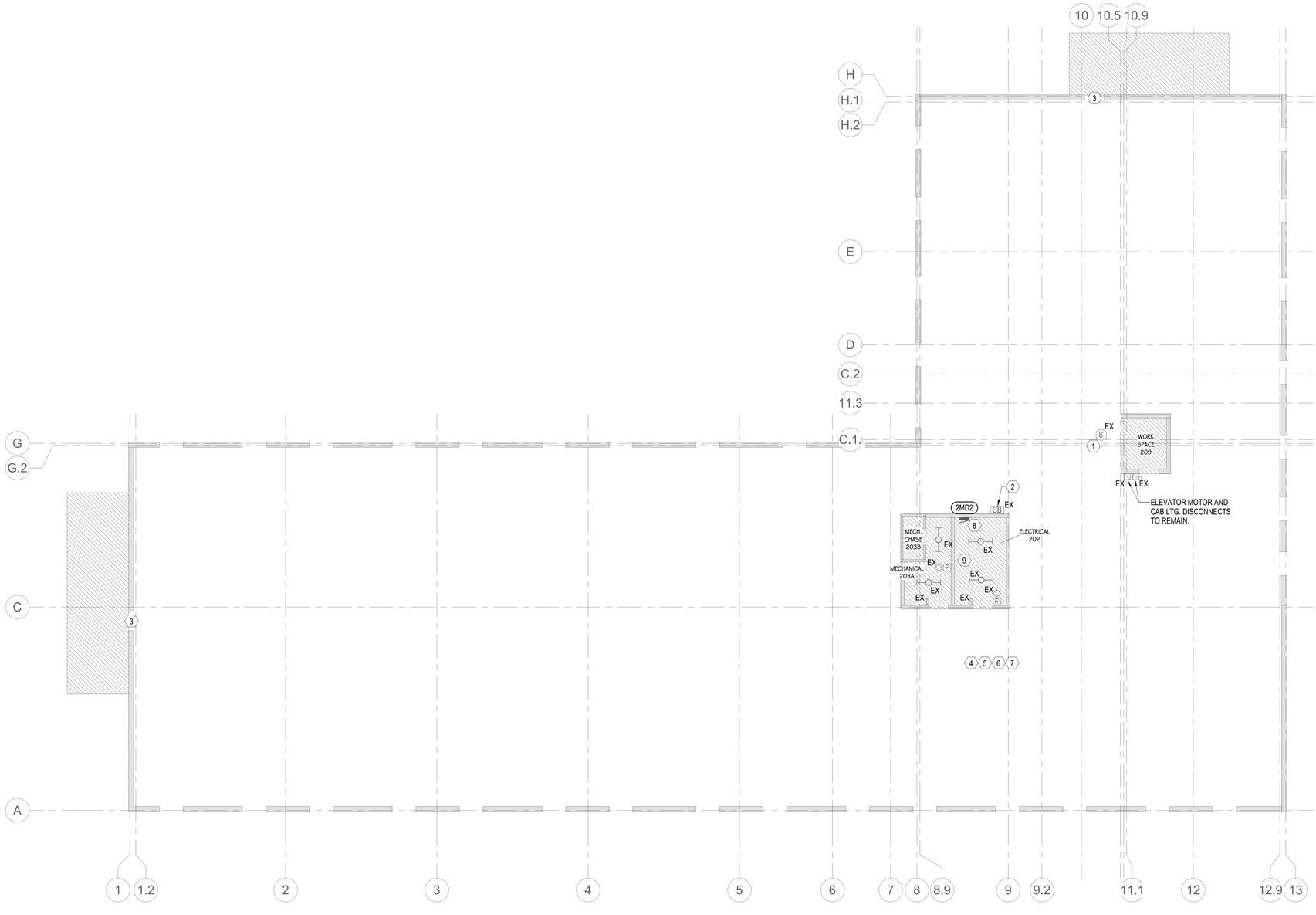
FIRST FLOOR PLAN - REFERENCE

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SHEET NOTES

1	DISCONNECT AND REMOVE EXISTING SMOKE DETECTOR FOR REINSTALLATION IN NEW CEILING. SEE FIRE ALARM FLOOR PLAN.
2	DISCONNECT AND REMOVE EXISTING TWO-WAY COMMUNICATIONS DEVICE FOR REINSTALLATION. SEE FIRE ALARM FLOOR PLAN.
3	EXISTING ACCESS CONTROLS AND CIRCUIT SERVING DOOR SHALL REMAIN.
4	DISCONNECT AND REMOVE ALL EXISTING POWER CIRCUITS, CONDUITS, DEVICES, ETC SERVING SPACE, UNO.
5	DISCONNECT AND REMOVE ALL EXISTING LIGHTING CIRCUITS, CONDUITS, DEVICES, FIXTURES, ETC SERVING SPACE, UNO.
6	DISCONNECT AND REMOVE ALL EXISTING FIRE ALARM CIRCUITS, CONDUITS, DEVICES, ETC SERVING SPACE, UNO.
7	DISCONNECT AND REMOVE ALL EXISTING TELECOMMUNICATIONS CABLING, CONDUITS, DEVICES, ETC SERVING SPACE.
8	EXISTING 208Y/120V, 3PH/4W, 100A MCB, 22kAIC PANELBOARD INSTALLED UNDER FIRST FLOOR PROJECT.
9	EXISTING 4-3"C STUB UPS FROM ELECTRICAL ROOM BELOW SHALL BE USED TO SERVE NEW PANELBOARDS. SEE SINGLE LINE DIAGRAM.



PLAN NORTH TRUE NORTH

2 SECOND FLOOR PLAN - DEMOLITION

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

0 4' 8' 16'

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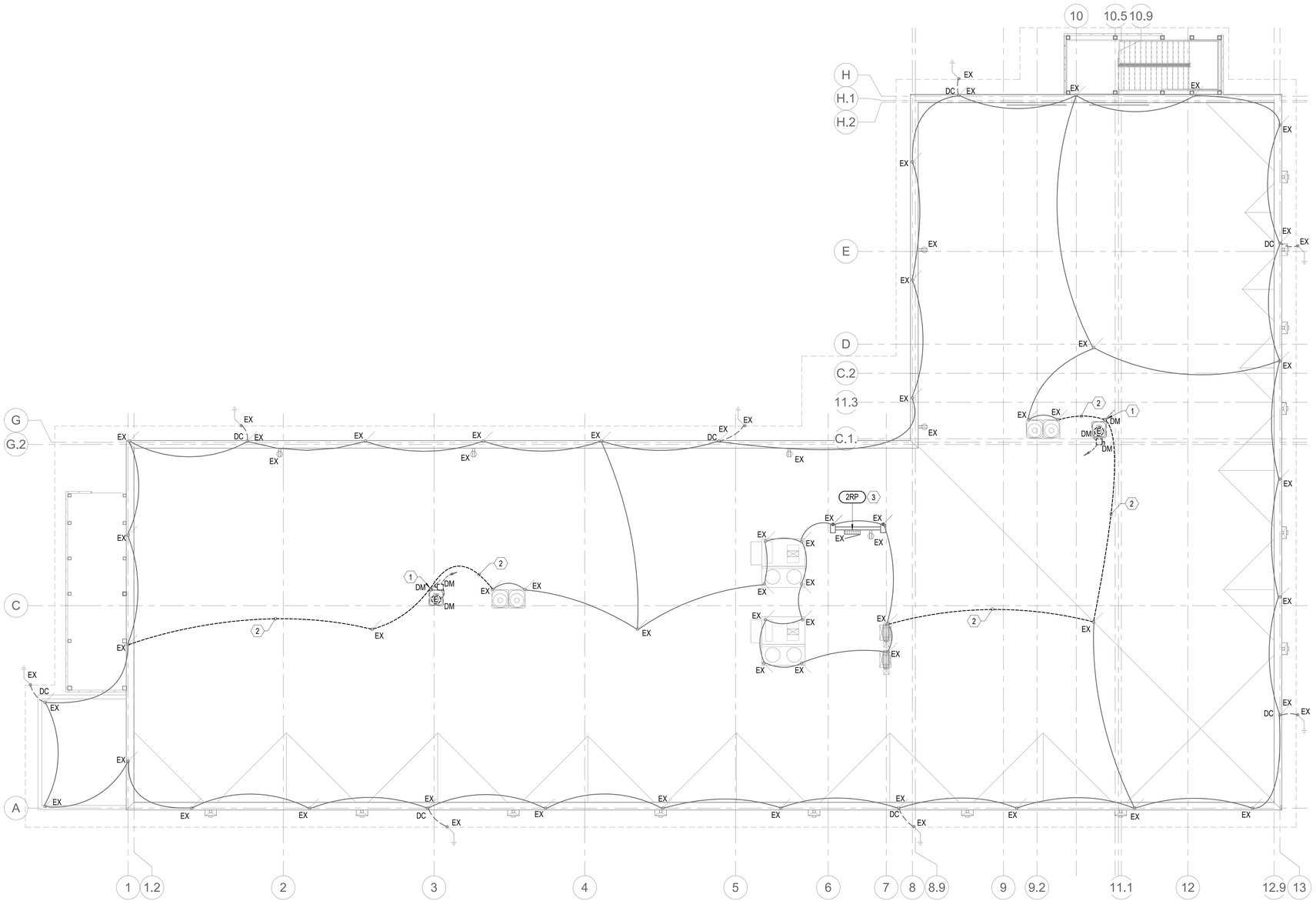
SECOND FLOOR PLAN - DEMO

E1.02

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SHEET NOTES

1	DISCONNECT AND REMOVE EXISTING LPS AIR TERMINAL AND ASSOCIATED BONDING CONDUCTOR(S).
2	DISCONNECT AND REMOVE EXISTING LPS BONDING CONDUCTOR(S).
3	EXISTING 208Y/120V, 3PH/4W, 600A MCB, 65kAIC PANELBOARD INSTALLED UNDER FIRST FLOOR PROJECT.



PLAN NORTH

TRUE NORTH

1 ROOF PLAN - DEMOLITION

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

0 4' 8' 16'

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PROFESSIONAL
07-29-2026
ENGINEER
MICHAEL CHRISTOPHER LEE

Michael C. Lee 39426

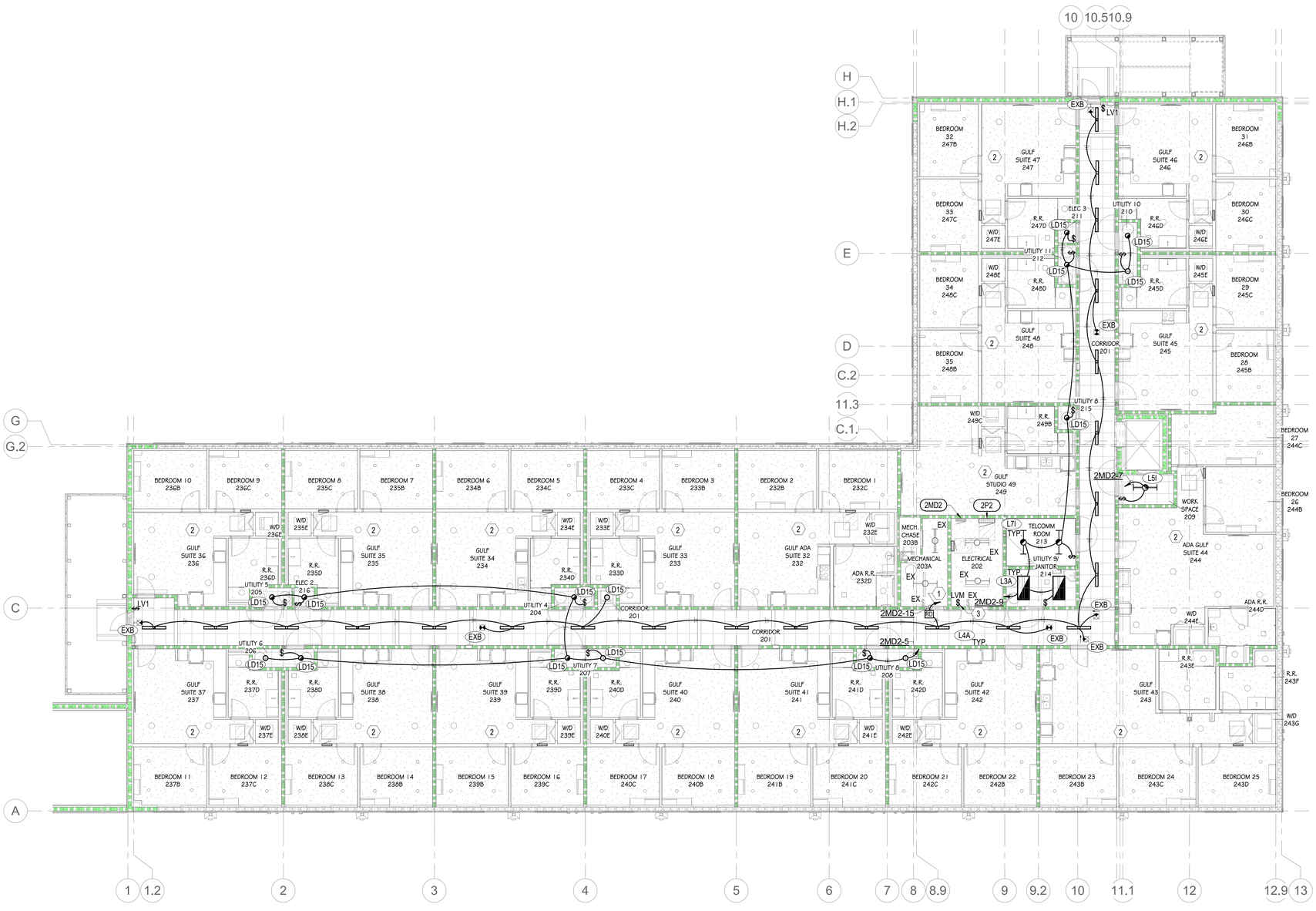
ROOF PLAN - DEMO

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SHEET NOTES

1	LIGHT FIXTURES IN CORRIDOR SHALL BE CONTROLLED VIA MASTER LOW VOLTAGE SWITCH IN ELECTRICAL 202. COORDINATE EXACT PROGRAMMING WITH OWNER REPRESENTATIVE DURING SYSTEM STARTUP.
2	SEE ENLARGED PLANS FOR REQUIREMENTS.
3	COORDINATE SWITCH LOCATION WITH OWNER PRIOR TO ROUGH-IN.



PLAN NORTH TRUE NORTH

1 SECOND FLOOR PLAN - LIGHTING

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

0 4' 8' 16'

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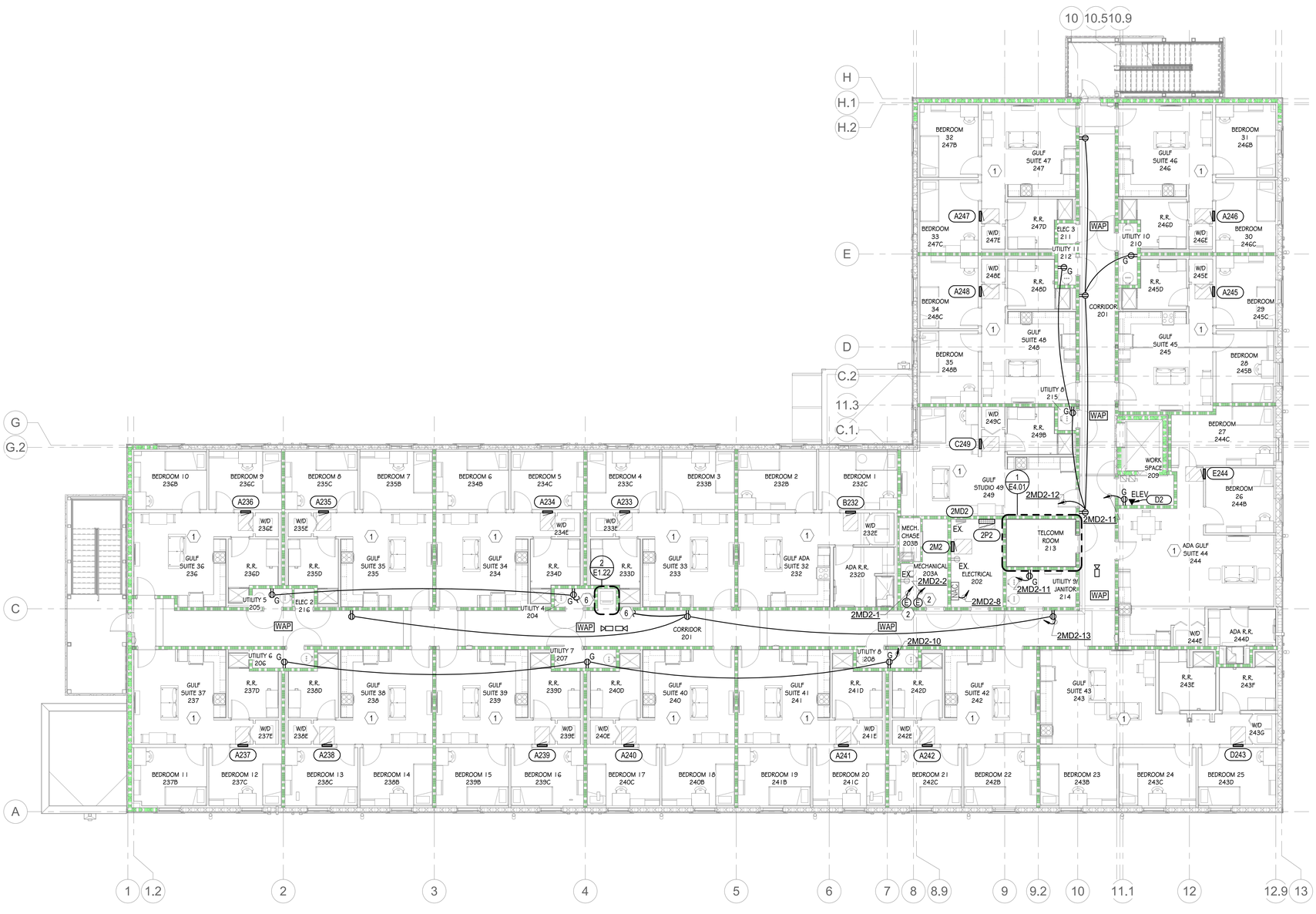
SECOND FLOOR PLAN - LIGHTING

E1.12

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SHEET NOTES

1	SEE ENLARGED PLANS FOR REQUIREMENTS.
2	ELECTRICAL CONNECTION FOR MECHANICAL CONTROL PANEL. COORDINATE FINAL LOCATION AND FINAL POWER REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
3	CIRCUIT CONTINUATION ON DETAIL TWO, THIS SHEET.
4	CONNECTION TO ICE MACHINE. COORDINATE EXACT REQUIREMENTS WITH SYSTEM PROVIDER PRIOR TO ROUGH-IN.
5	PROVIDE 20/1 N1, TSM.
6	CIRCUIT CONTINUATION ON DETAIL ONE, THIS SHEET.

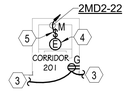


PLAN NORTH TRUE NORTH

1 SECOND FLOOR PLAN - POWER & TELECOMMUNICATIONS

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

0 4' 8' 16'



2 ENLARGED FLOOR PLAN - POWER

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

0 4' 8' 16'

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SECOND FLOOR PLAN - POWER & TELECOMMUNICATIONS

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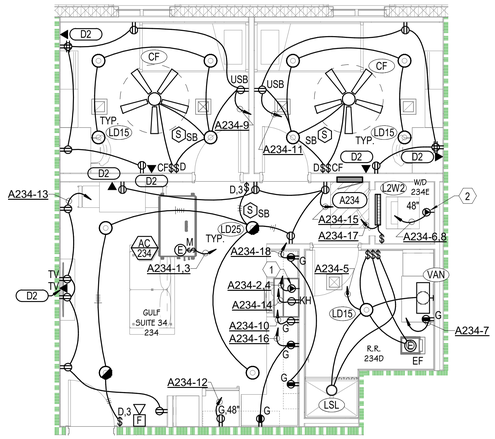
GENERAL NOTES

1.	ALL RECEPTACLES INSTALLED IN DORMITORY UNITS SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES IN ACCORDANCE WITH NEC 406.12.
2	ALL AUDIBLE NOTIFICATION IN SLEEPING ROOMS SHALL BE A 520 Hz LOW-FREQUENCY SIGNAL IN COMPLIANCE WITH NFPA 72.

SHEET NOTES

1	NEMA 14-50R. CKT 3#6, #10G, 1"C.
2	NEMA 14-30R. CKT 3#10, #10G, 3/4"C.
3	CIRCUIT TO HOOD SYSTEM CONTROL BOX. POWER SERVING RANGE RECEPTACLE SHALL SHUT OFF UPON FIRE CONDITION.

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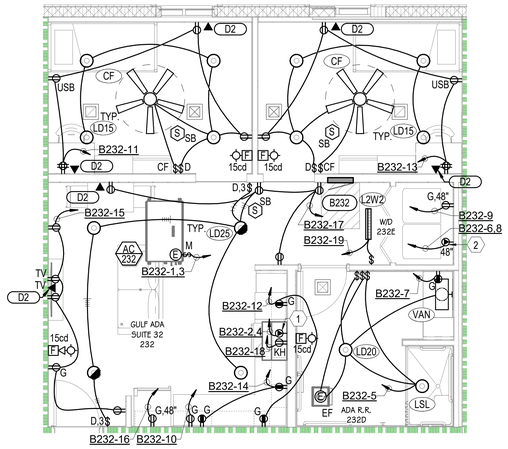


PLAN NORTH / TRUE NORTH

1 TYPICAL SUITE A FLOOR PLAN

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

0 4' 8' 16'

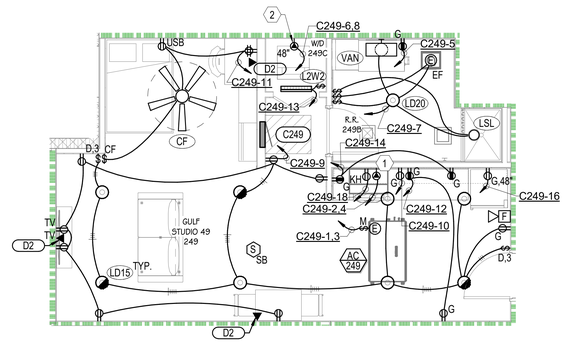


PLAN NORTH / TRUE NORTH

2 TYPICAL SUITE B FLOOR PLAN

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

0 4' 8' 16'

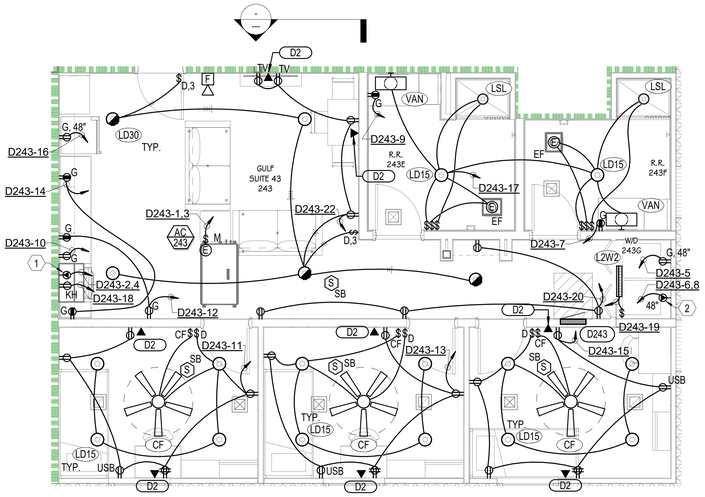


PLAN NORTH / TRUE NORTH

3 TYPICAL SUITE C FLOOR PLAN

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

0 4' 8' 16'

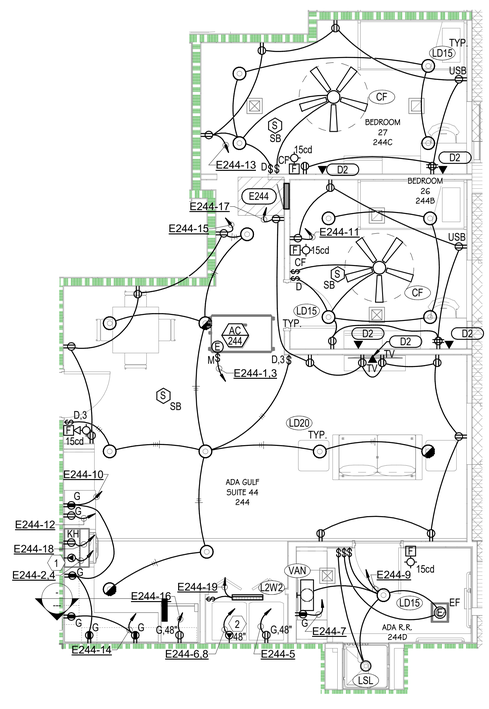


PLAN NORTH / TRUE NORTH

4 TYPICAL SUITE D FLOOR PLAN

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

0 4' 8' 16'

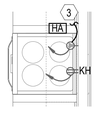


PLAN NORTH / TRUE NORTH

5 TYPICAL SUITE E FLOOR PLAN

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

0 4' 8' 16'



PLAN NORTH / TRUE NORTH

6 TYPICAL RANGE FIRE ALARM DETAIL

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

0 4' 8' 16'

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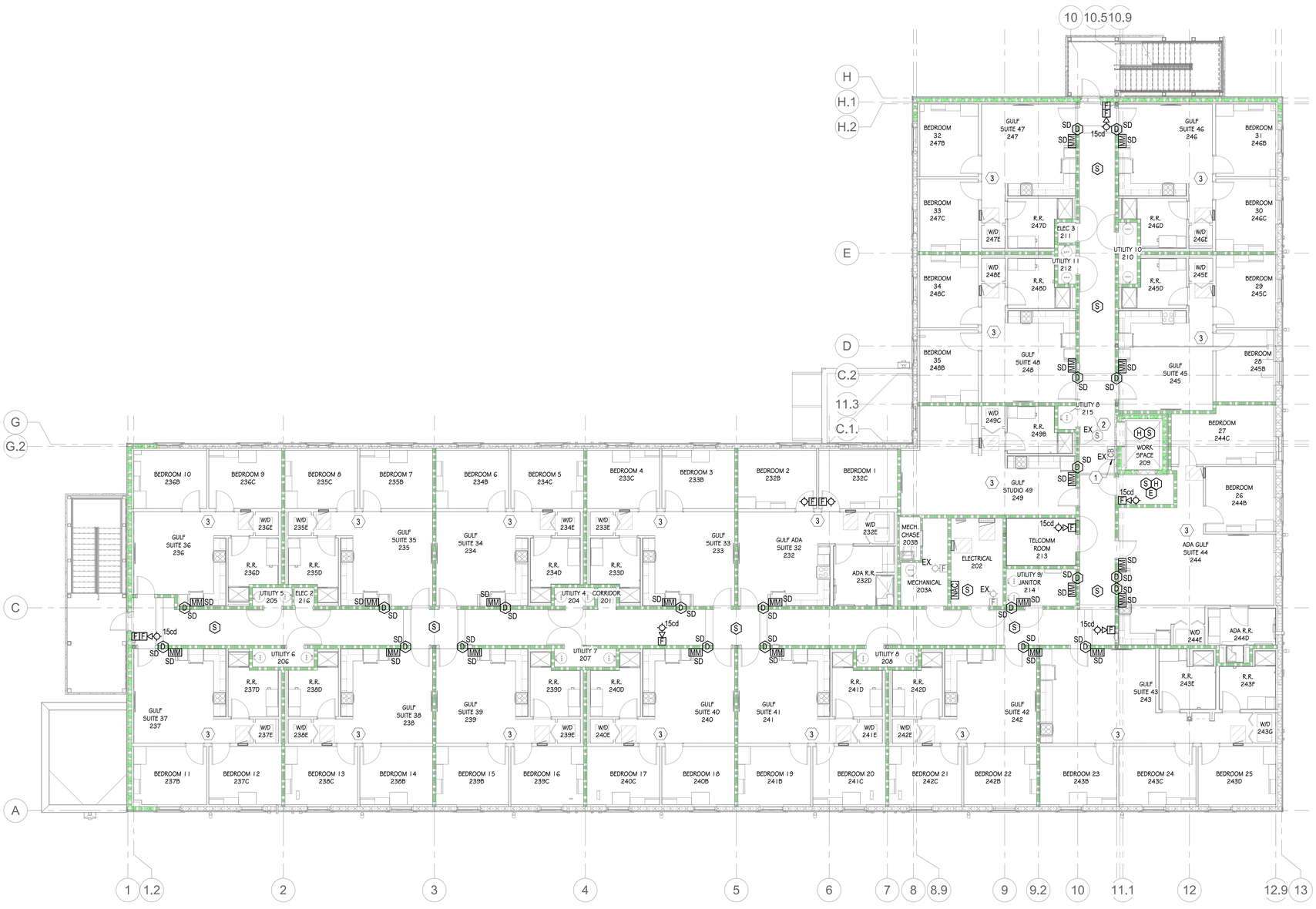
ENLARGED SECOND FLOOR PLANS - ELECTRICAL

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SHEET NOTES

1	EXISTING CALLBOX RELOCATED FROM DEMOLITION PLAN.
2	EXISTING SMOKE DETECTOR RELOCATED FROM DEMOLITION PLAN.
3	SEE ENLARGED PLANS FOR REQUIREMENTS.



PLAN NORTH TRUE NORTH

1 SECOND FLOOR PLAN - FIRE ALARM

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

0 4' 8' 16'

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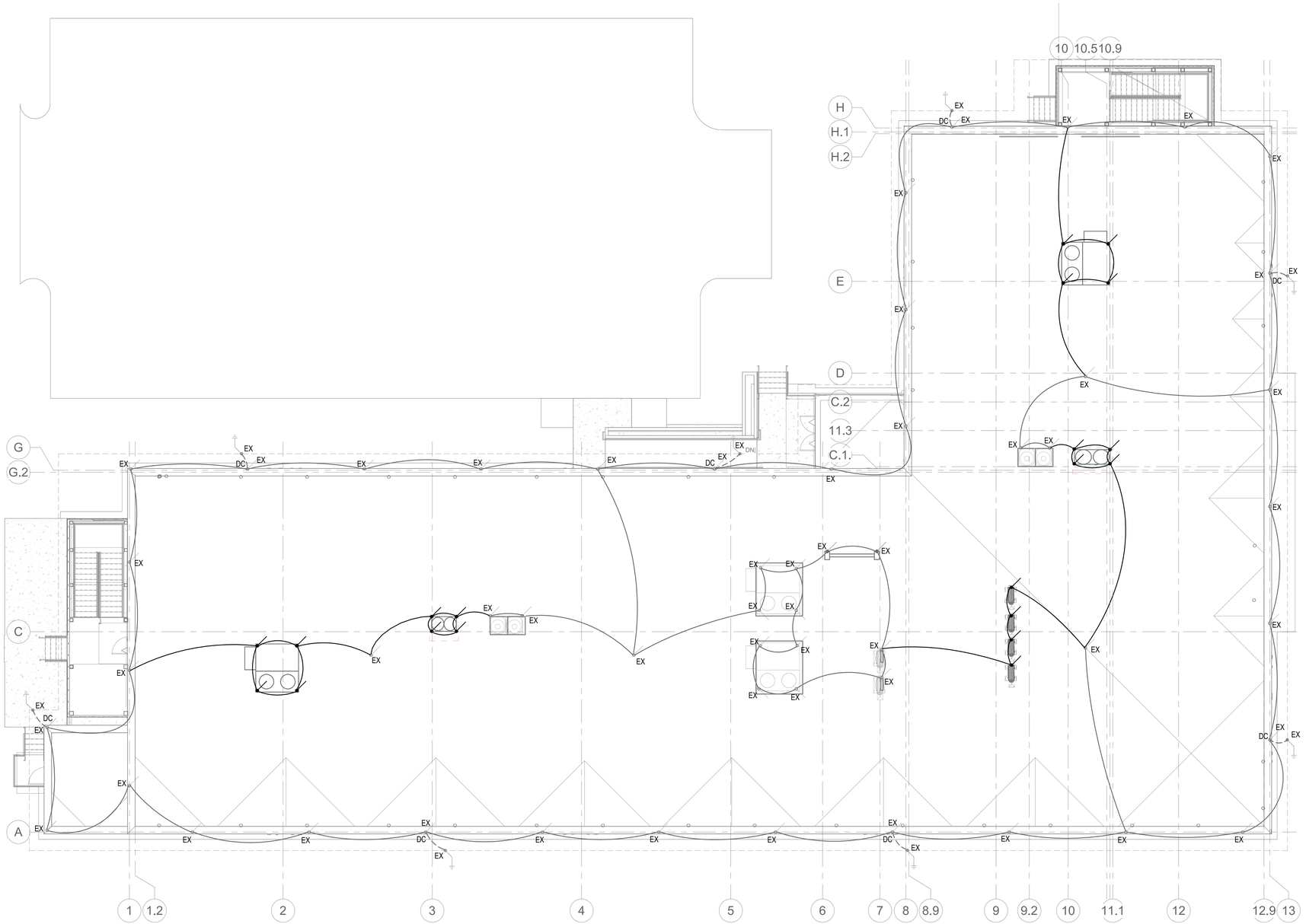
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SECOND FLOOR PLAN - FIRE ALARM

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LIGHTNING PROTECTION LEGEND

- AIR TERMINAL
- EXISTING BONDING CONDUCTOR
- BONDING CONDUCTOR
- EXISTING BONDING CONDUCTOR ROUTED UNDERGROUND
- TW — EXISTING GROUND ROD WITH TEST WELL
- DC — EXISTING DOWN CONDUCTOR.

GENERAL LIGHTNING PROTECTION NOTE

CONTRACTOR SHALL PROVIDE A CLASS 1 LIGHTNING PROTECTION SYSTEM IN COMPLIANCE WITH NFPA 780 FOR THE SCOPE OF WORK INDICATED ON THE DRAWINGS. COORDINATE LAYOUT WITH ARCHITECTURAL PLANS. PROVIDE REQUIRED CONNECTIONS TO ROOF MOUNTED EQUIPMENT SUCH AS EXHAUST FANS, VENT-THRU-ROOF PIPES, ETC NOT SHOWN HERE, SEE MECHANICAL & PLUMBING PLANS.

PLAN NORTH / TRUE NORTH

1 ROOF PLAN - LIGHTNING PROTECTION
SCALE: 1/8" = 1'-0"
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Michael C. Lee 39426

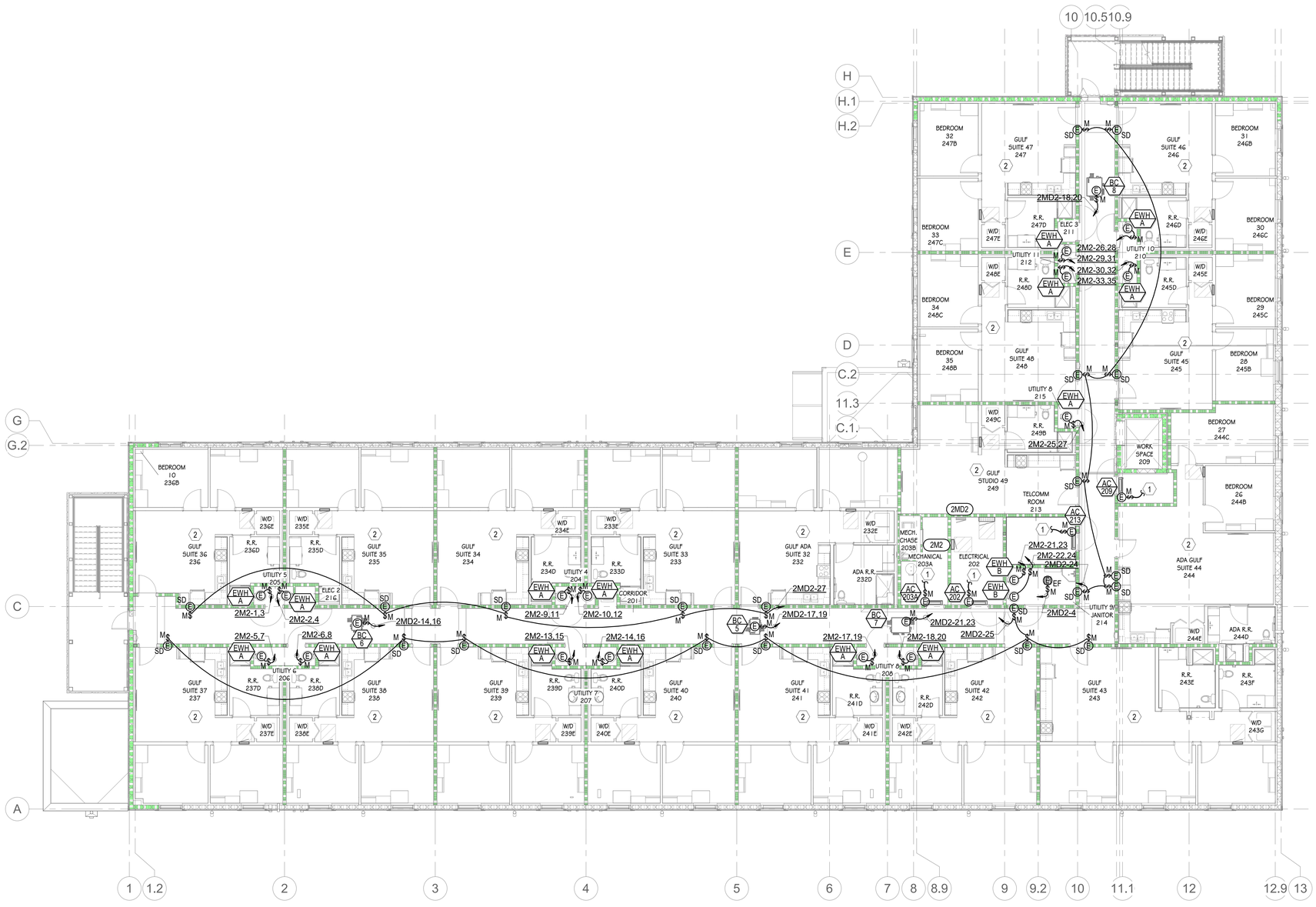
ROOF PLAN - LIGHTNING PROTECTION

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SHEET NOTES	
1	CIRCUIT TO ASSOCIATED OUTDOOR UNIT.
2	SEE ENLARGED PLANS FOR REQUIREMENTS.

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Dell Consulting project:26-016



PLAN NORTH TRUE NORTH

1 SECOND FLOOR PLAN - MECHANICAL POWER

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

0 4' 8' 16'

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Mobile, AL 36602
T 251.460.4006
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ISSUE	DATE
BID DOCUMENTS	07/29/26

DRAWN BY: RAB
CHECKED BY: MCL

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED No. 33426 PROFESSIONAL 07-29-2026 ENGINEER MICHAEL CHRISTOPHER
Michael C. Lee 33426

SECOND FLOOR PLAN - MECHANICAL POWER

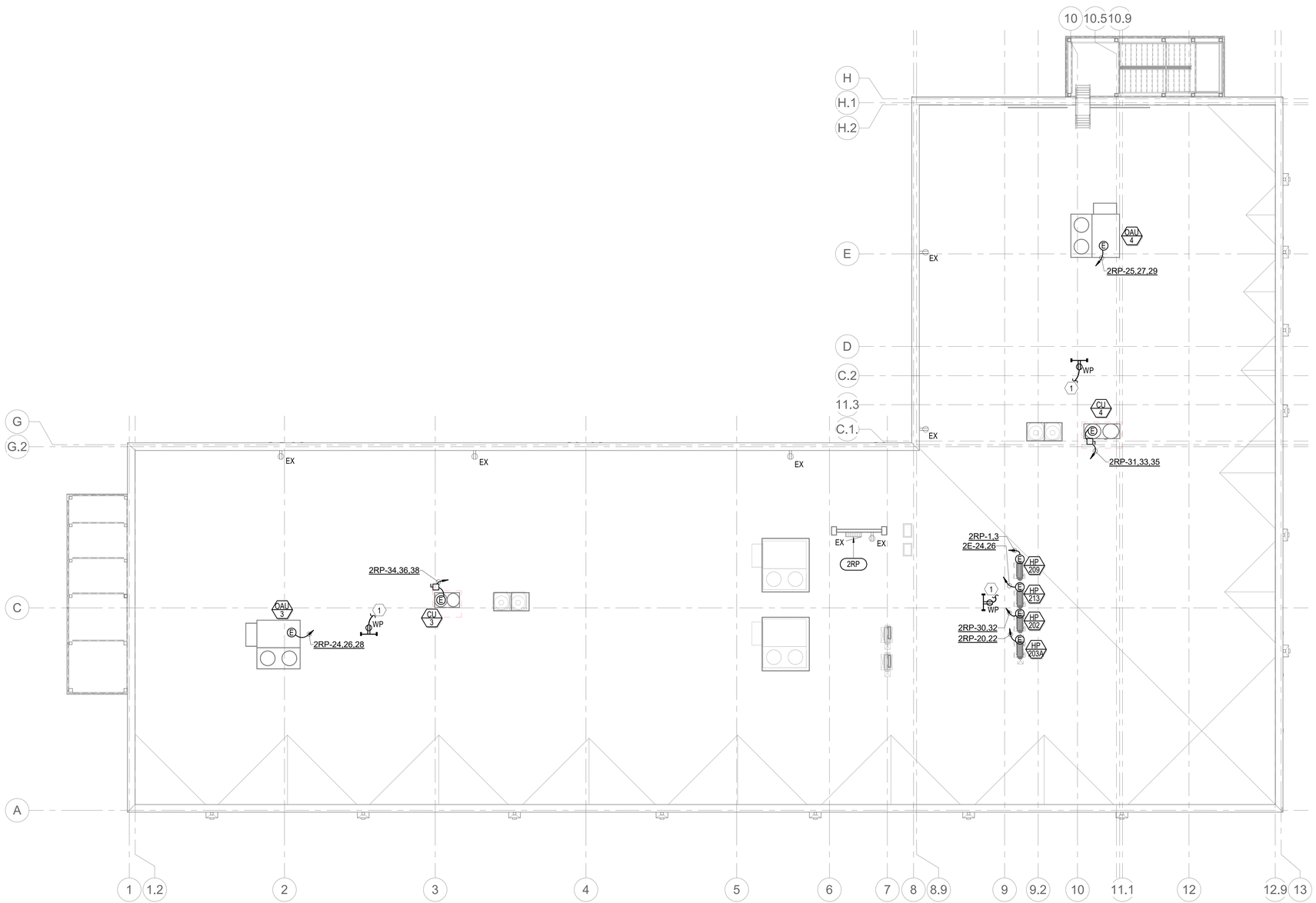
E1.52

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SHEET NOTES

1	CONNECT THIS RECEPTACLE TO EXISTING RECEPTACLE CIRCUIT ON THE ROOF.

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PLAN NORTH

TRUE NORTH

1 ROOF PLAN - MECHANICAL POWER

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

0 4' 8' 16'

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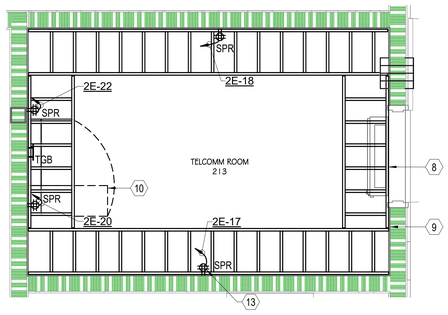
ALABAMA LICENSED PROFESSIONAL ENGINEER No. 39426 7-27-2026 MICHAEL CHRISTOPHER LEE

Michael C. Lee, 39426

ROOF PLAN - MECHANICAL POWER

E1.53

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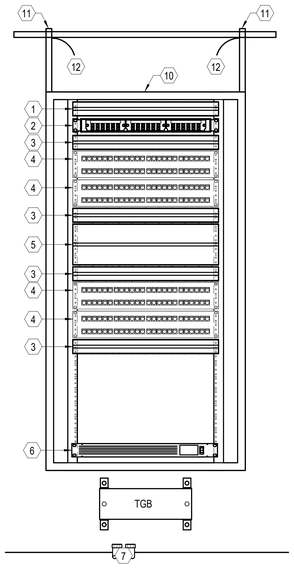


PLAN NORTH / TRUE NORTH

1 ENLARGED IT ROOM FLOOR PLAN

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

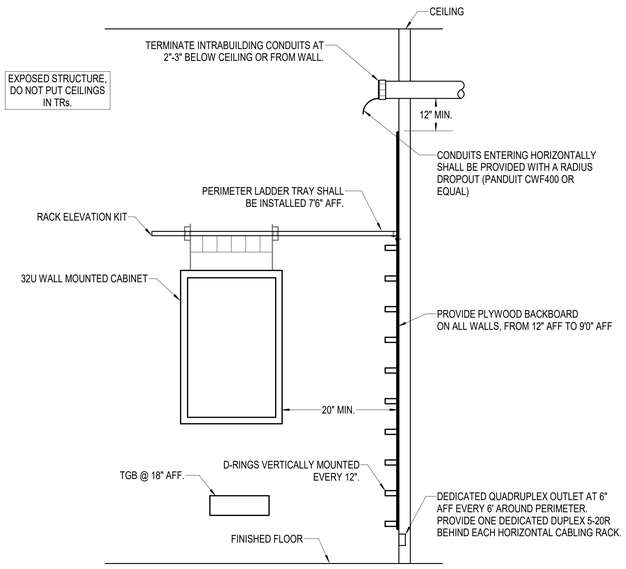
0 4' 8' 16'



2 RACK ELEVATION - ROOM 213

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

0 4' 8' 16'

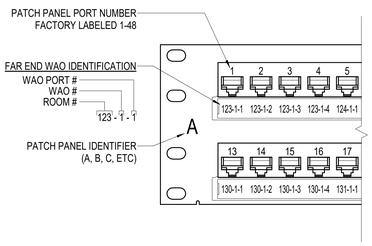


3 MDF/TR SECTION DETAIL

SCALE: NOT TO SCALE

0 4' 8' 16'

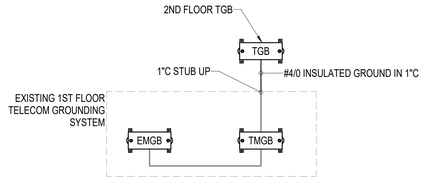
SHEET NOTES	
1	ENGRAVED PLASTIC RACK IDENTIFIER (RACK 1, RACK 2, ETC) ON 1 RU FILLER PLATE. TYPICAL ALL RACKS.
2	1 RU FIBER LIU/PATCH PANEL.
3	1 RU HORIZONTAL CABLE MANAGEMENT CHANNEL.
4	48-PORT HORIZONTAL PATCH PANEL. QUANTITY AS REQUIRED PLUS 10% SPARE CAPACITY. TYPICAL.
5	OFOI NETWORKING EQUIPMENT.
6	VERTIV PSI5-1500RM1201U RACK UPS.
7	EXISTING 2-2" FOR F.O. BACKBONE CABLING. SEE RISER DIAGRAM.
8	18" LADDER TRAY. INSTALL 6" ABOVE TOP OF RACK.
9	ENTIRE ROOM TO BE LINED WITH 3/4" FIRE RATED, A-C GRADE PLYWOOD BACKBOARD FROM 12" AFF TO 9'0" AFF.
10	32RU HAMMOND MANUFACTURING (OR APPROVED EQUAL) WALL CABINET WITH VENTED DOOR.
11	PROVIDE 6" ELEVATION KIT AND SECURE LADDER TRAY TO RACK.
12	CABLE RUNWAY RADIUS DROP.
13	MOUNT ALL RECEPTACLES BELOW BACKBOARD AT 6" AFF UNLESS NOTED OTHERWISE.



4 PATCH PANEL LABELING DETAIL

SCALE: NOT TO SCALE

0 4' 8' 16'

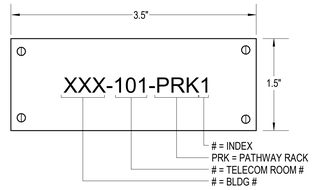


ALL TBB CABLES SHALL BE IN EMT (MINIMUM SIZE IS 1"). PROVIDE GROUNDING BUSHINGS ON EACH END AS REQUIRED. ROUTE GROUNDING BACKBONES PARALLEL TO CABLING BACKBONE RACEWAYS.

5 TELECOM GROUNDING SYSTEM RISER

SCALE: NOT TO SCALE

0 4' 8' 16'

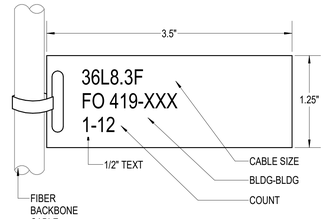


ENGRAVED PLASTIC TAG WITH 1/4" BLACK LETTERS ON WHITE BACKGROUND. TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 4 CHROME SCREWS, ADHESIVE BACKING, TAPE, ETC IS NOT ALLOWED. COORDINATE EXACT LABEL INFORMATION WITH 96TH CS PRIOR TO ORDERING TAGS.

6 TYPICAL RACK LABEL DETAIL

SCALE: NOT TO SCALE

0 4' 8' 16'

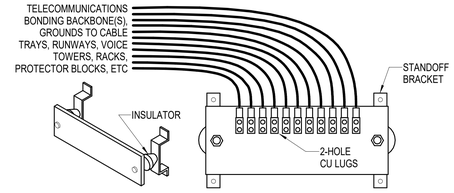


ENGRAVED PLASTIC TAG WITH BLACK LETTERS ON YELLOW BACKGROUND (IBICO/GBC LUGGAGE TAG W/LOOP). TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH VELCRO STRAP. COORDINATE EXACT LABEL INFORMATION WITH 96TH CS PRIOR TO ORDERING TAGS.

7 TYPICAL FIBER BACKBONE CABLE LABEL DETAIL

SCALE: NOT TO SCALE

0 4' 8' 16'

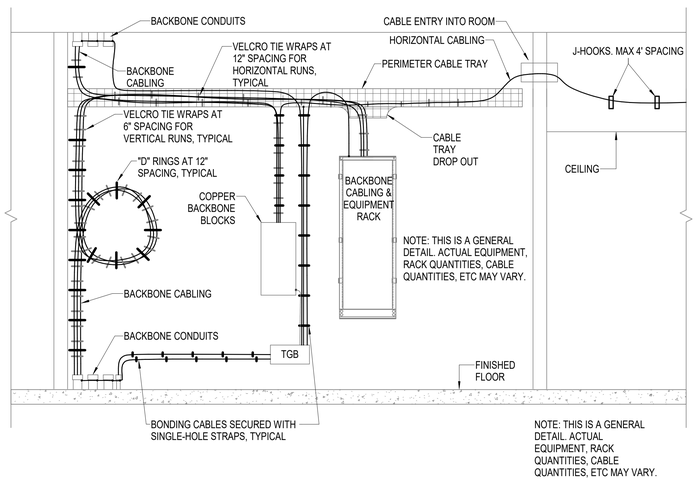


HARGER GBI144XXTMGB(OR EQUAL) 1/4" THICK, 4" HIGH, LENGTH AS INDICATED. MEETS ANSI 607A STANDARDS (HOLES NOT SHOWN. USE 2-HOLE CU LUGS FOR CABLES)
BUSBAR LENGTHS:
TMGB=24" LONG MINIMUM
TGB'S=12" LONG MINIMUM

8 TMGB/TGB DETAIL

SCALE: NOT TO SCALE

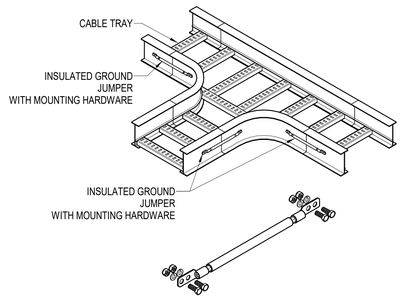
0 4' 8' 16'



9 TR CABLE ROUTING & SUPPORT DETAIL

SCALE: NOT TO SCALE

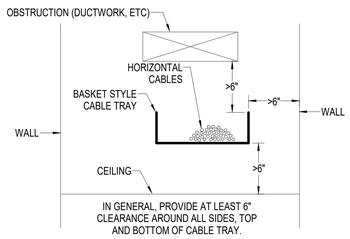
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10 CABLE TRAY BONDING DETAIL

SCALE: NOT TO SCALE

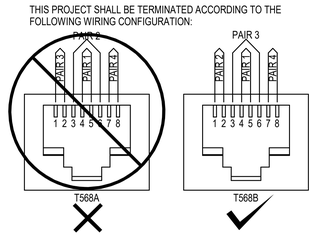
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11 CABLE TRAY CLEARANCE DETAIL

SCALE: NOT TO SCALE

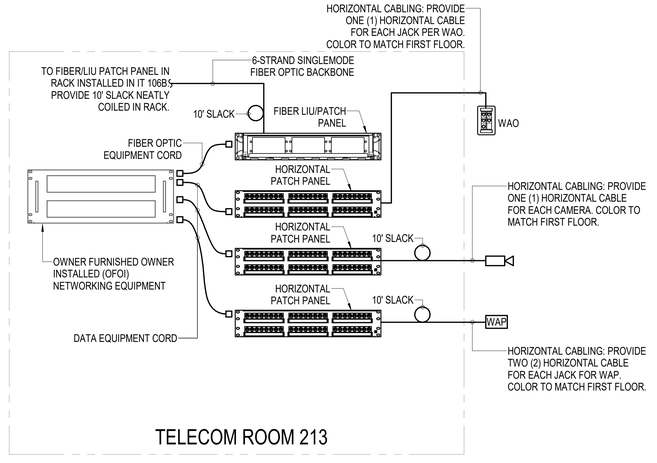
0 4' 8' 16'



12 WIRING TERMINATION STYLE DETAIL

SCALE: NOT TO SCALE

0 4' 8' 16'



13 VOICE/DATA RISER DIAGRAM

SCALE: NOT TO SCALE

0 4' 8' 16'

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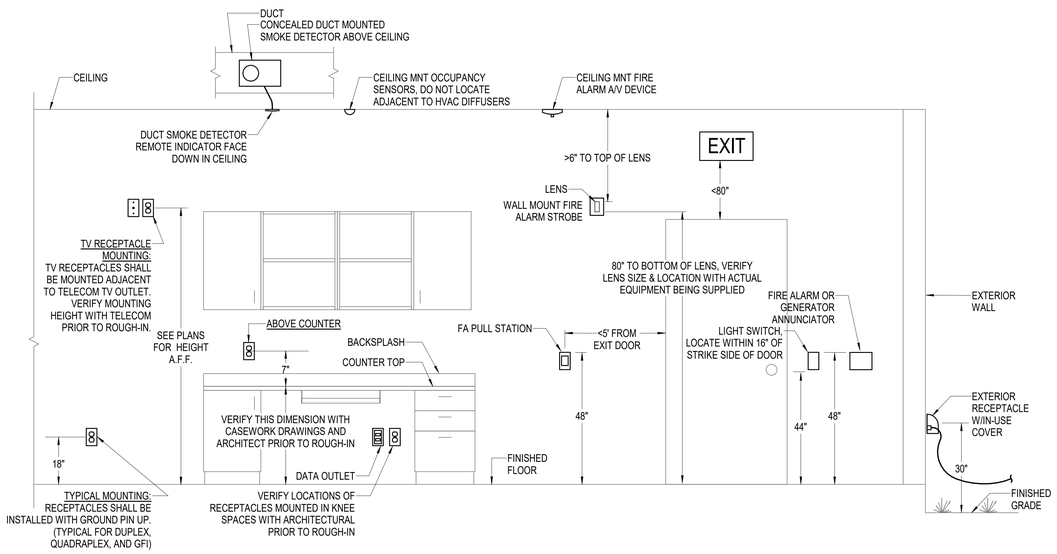
DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 39426 PROFESSIONAL 07-29-2026 ENGINEER CHRISTOPHER
Michael C. Lee 39426

ENLARGED TELECOM FLOOR PLAN & DETAILS

E4.01

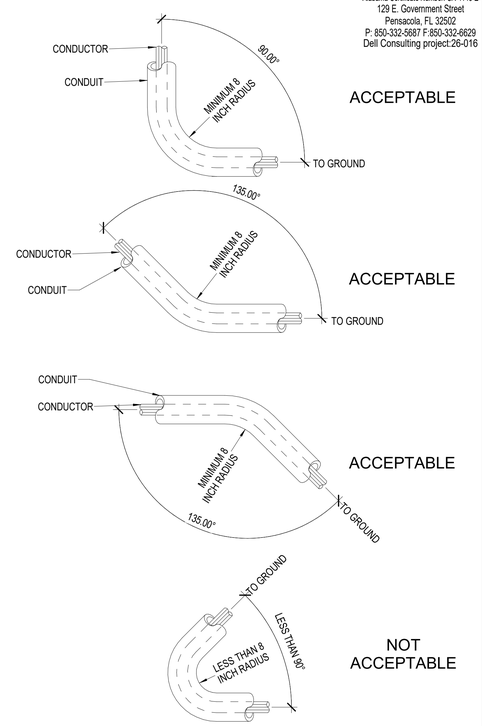
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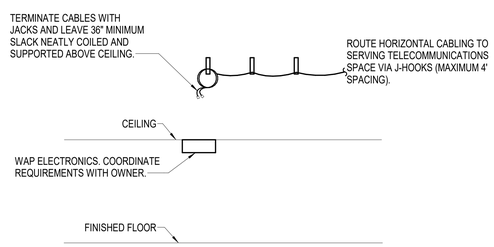
1 TYPICAL DEVICE MOUNTING DETAIL
SCALE: NOT TO SCALE

NOTE: THE SPECIFICATIONS ALWAYS PREVAIL OVER THIS DETAIL. SEE SPECIFICATION SECTION 16100 FOR ADDITIONAL INFORMATION, EXCEPTIONS, ETC.

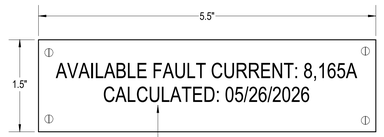
2 POWER & DISTRIBUTION RACEWAY APPLICATION DETAIL
SCALE: NOT TO SCALE



3 BEND REQUIREMENTS
SCALE: NOT TO SCALE



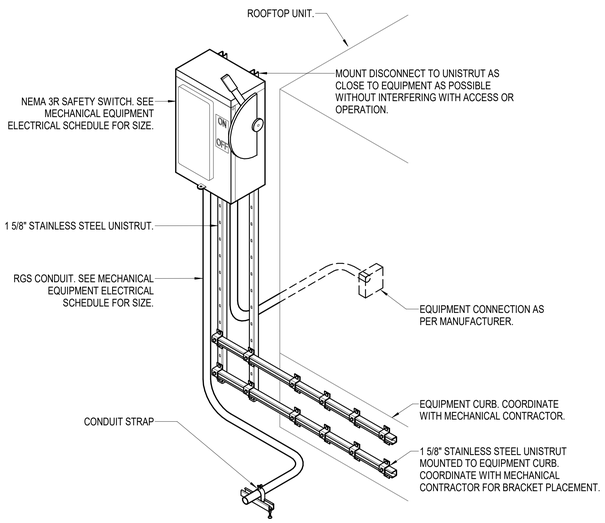
5 TYPICAL WAP DETAIL
SCALE: NOT TO SCALE



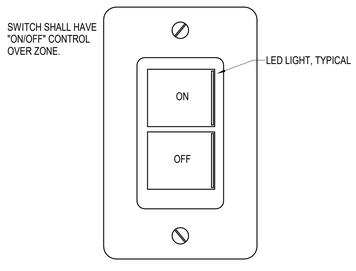
EXAMPLE PANELBOARD / SWITCHBOARD / SWITCHGEAR / MOTOR CONTROL CENTER LABEL

ENGRAVED PLASTIC TAG WITH WHITE LETTERS ON BLUE BACKGROUND. TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 4 CHROME SCREWS (STAINLESS STEEL FOR WET OR DAMP LOCATIONS). ADHESIVE BACKING, TAPE, ETC IS NOT ALLOWED. DIMENSIONS ARE MINIMUM, TAG SHALL BE LARGER AS REQUIRED TO FIT APPROPRIATE TEXT.

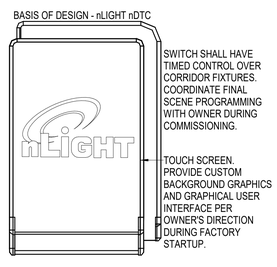
6 TYPICAL EQUIPMENT FAULT CURRENT TAG DETAIL
SCALE: NOT TO SCALE



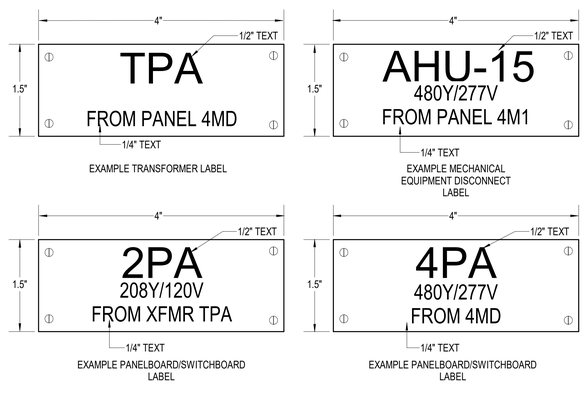
4 MECHANICAL EQUIPMENT DISCONNECT MOUNTING DETAIL
SCALE: NOT TO SCALE



7 LOW VOLTAGE SWITCH DETAIL - LV1
SCALE: 1/8" = 1'-0"

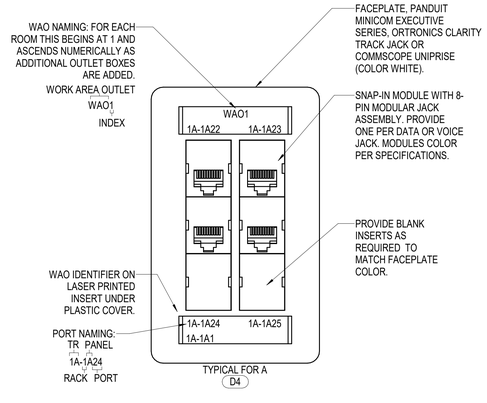


8 LOW VOLTAGE SWITCH DETAIL - LVM
SCALE: 1/8" = 1'-0"

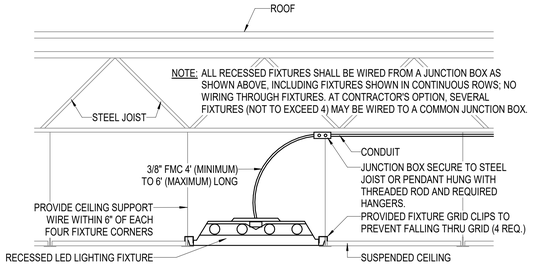


ENGRAVED PLASTIC TAG WITH BLACK LETTERS ON WHITE BACKGROUND (RED BACKGROUND FOR EMERGENCY EQUIPMENT). TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 4 CHROME SCREWS (STAINLESS STEEL FOR WET OR DAMP LOCATIONS). ADHESIVE BACKING, TAPE, ETC IS NOT ALLOWED. DIMENSIONS ARE MINIMUM, TAG SHALL BE LARGER AS REQUIRED TO FIT APPROPRIATE TEXT.

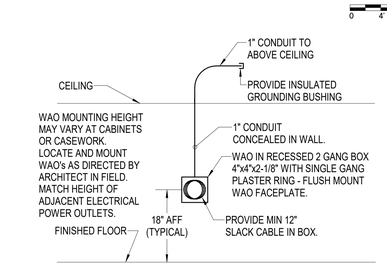
9 TYPICAL EQUIPMENT LABELING DETAIL
SCALE: NOT TO SCALE



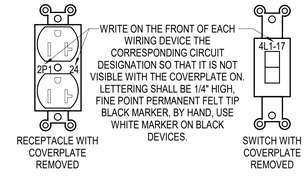
10 WAO FACEPLATE DETAIL
SCALE: NOT TO SCALE



11 TYPICAL FIXTURE INSTALLATION DETAIL
SCALE: NOT TO SCALE



12 TYPICAL WAO MOUNTING DETAIL
SCALE: NOT TO SCALE



13 WIRING DEVICE LABEL DETAIL
SCALE: NOT TO SCALE

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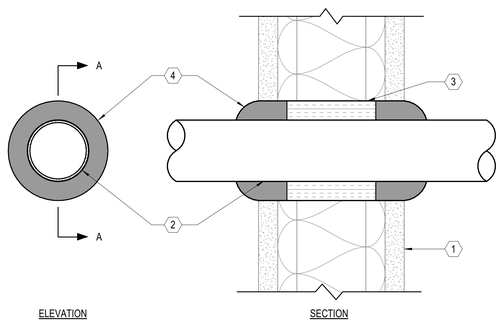
DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED No. 39426 PROFESSIONAL ENGINEER MICHAEL CHRISTOPHER LEE
7-17-2026
Michael C. Lee 39426

DETAILS

E5.01

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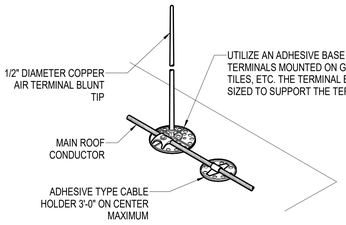


ELEVATION SECTION

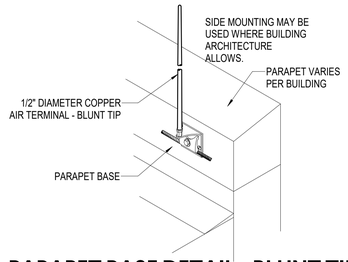
REFER TO UL DETAIL W-L-1007

1. UL U400 DESIGN SERIES 1-HR RATED WALL BY ARCH.
2. MAX 4" EMT.
3. MINIMUM 2-7/8" THICKNESS 4 PCF MINERAL WOOL INSULATION TIGHTLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL SHALL BE RECESSED FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF MATERIAL.
4. MINIMUM 5/8" THICKNESS OF FILL SEALANT APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. APPLY ADDITIONAL SEALANT SUCH THAT A MINIMUM 1" THICK CROWN IS FORMED AROUND THE PENETRATING CONDUIT.

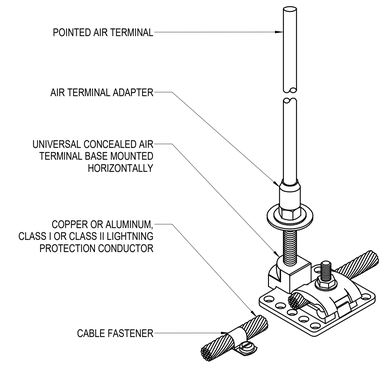
1 1-HR FIRE RATED WALL PENETRATION DETAIL - CONDUIT
SCALE: NOT TO SCALE



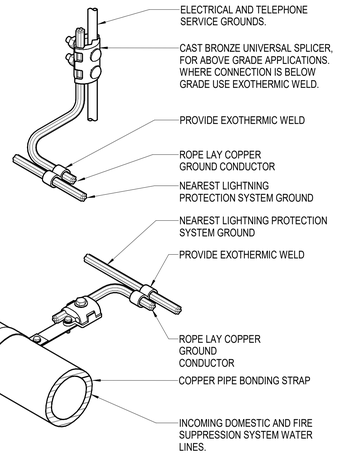
2 ADHESIVE AIR TERMINAL BASE DETAIL - BLUNT TIP
SCALE: 12" = 1'-0"



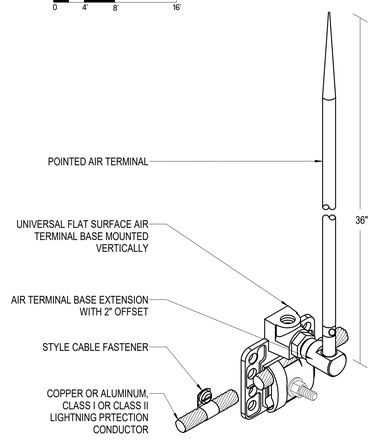
3 PARAPET BASE DETAIL - BLUNT TIP
SCALE: NOT TO SCALE



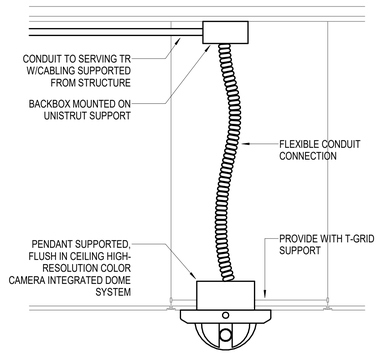
4 HORIZONTAL AIR TERMINAL BASE DETAIL
SCALE: NOT TO SCALE



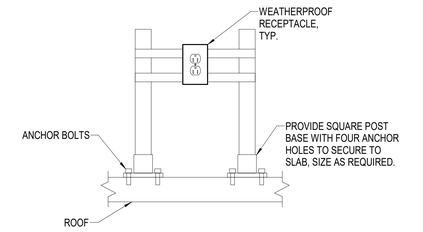
6 BONDING DETAILS
SCALE: NOT TO SCALE



7 VERTICAL AIR TERMINAL BASE DETAIL
SCALE: NOT TO SCALE

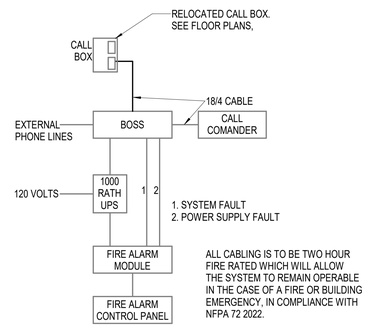


8 CAMERA MOUNTING DETAIL - LAY-IN CEILING
SCALE: NOT TO SCALE

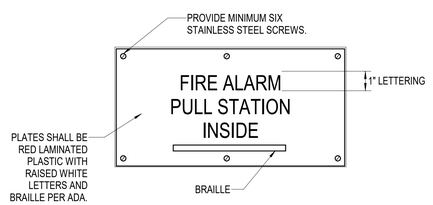


NOTES:
1. SUPPORT FRAME SHALL BE FABRICATED USING UNISTRUT P2000 OR APPROVED EQUAL.

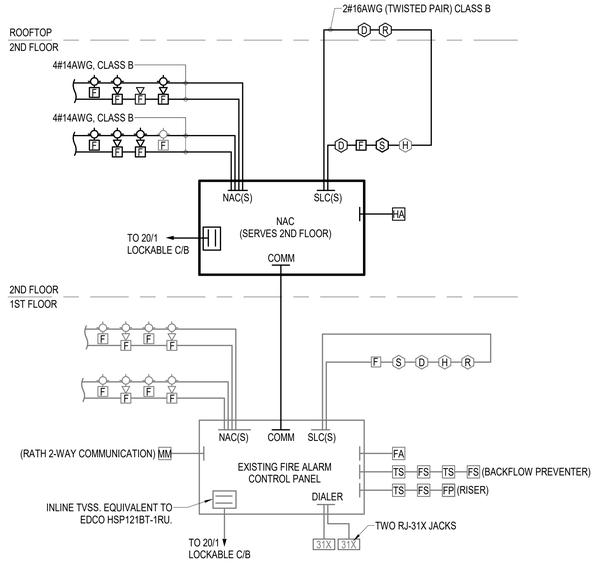
5 REMOTE RECEPTACLE MOUNTING DETAIL
SCALE: NOT TO SCALE



9 SMART COMMAND SYSTEM
SCALE: NOT TO SCALE



10 FIRE ALARM MANUAL STATION SIGN DETAIL
SCALE: NOT TO SCALE



FIRE ALARM RISER NOTES:
1. THE NAC CIRCUIT IS SHOWN DIAGRAMMATIC. MAXIMUM NUMBER OF STROBES ON ANY CIRCUIT IS LIMITED. SEE SPECIFICATIONS.

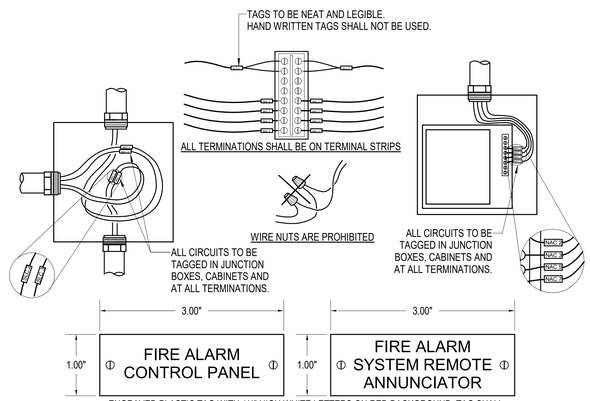
2. CONNECTIONS TO CONTROL RELAYS FOR SMOKE DAMPERS ARE NOT SHOWN ON THE RISER. PROVIDE CONNECTIONS FOR SLC AND NAC AS REQUIRED FOR PROPER OPERATION.

3. SLC LOOP TO CONNECT TO ALL ADDRESSABLE FIRE ALARM SYSTEM DEVICES. VERIFY DEVICES FROM FLOOR PLANS. PROVIDE ADDITIONAL LOOP(S) AS REQUIRED. SEE SPECIFICATIONS.

4. 3/4" MINIMUM CONDUIT SIZE FOR FIRE ALARM SYSTEM CIRCUITS. ALL CIRCUITS SHALL BE IN CONDUIT DEDICATED TO THE FIRE ALARM SYSTEM.

5. BATTERY CABINETS AND NAC EXPANDERS TO BE LOCATED AS NEEDED IN ELECTRICAL ROOMS ONLY.

11 FIRE ALARM SYSTEM RISER DIAGRAM
SCALE: NOT TO SCALE



ENGRAVED PLASTIC TAG WITH 1/4" HIGH WHITE LETTERS ON RED BACKGROUND. TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 2 CHROME (STAINLESS STEEL FOR WET OR DAMP LOCATIONS) SCREWS, ADHESIVE BACKING, TAPE, ETC IS NOT ALLOWED. 1"X3" DIMENSIONS ARE MINIMUM, TAG SHALL BE LARGER AS REQUIRED TO FIT APPROPRIATE TEXT.

12 FIRE ALARM SYSTEM LABELING DETAIL
SCALE: NOT TO SCALE

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ISSUE	DATE
BID DOCUMENTS	07/29/26

DRAWN BY: RAB
CHECKED BY: MCL

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED No. 39426 PROFESSIONAL ENGINEER CHRISTOPHER 07-29-2026

Michael C. Lee 39426

DETAILS

E5.02

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PANELBOARD INFORMATION SCHEDULE

MARK	ENCLOSURE TYPE	MOUNTING STYLE	VOLTAGE	ϕ	WIRE	MAIN BKR	IF MLO SERVING	SERVICE RATED	kAIC RATING	ϕ BUS RATING	N BUS RATING	FEEDER			NOTES
												CONDUCTOR	GROUND	CONDUIT	
2M2	NEMA 1	SURFACE	208Y/120	3	4	MLO	250	No	42	400 A	100%	4#250	#4	SEE NOTES	3, 4
2P2	NEMA 1	SURFACE	208Y/120	3	4	MLO	600	No	42	600 A	100%	2 RUNS 4#350	#1	SEE NOTES	2, 3, 4
A233	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A234	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A235	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A236	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A237	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A238	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A239	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A240	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A241	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A242	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A245	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A246	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A247	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
A248	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
B232	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
C249	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	22	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
D243	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3
E244	NEMA 1	RECESSED	208Y/120	1	3	MLO	100	No	14	100 A	100%	3#1	#6	1 1/4"C	1, 2, 3

NOTES: 1. LOAD CENTER
2. PROVIDE INTEGRAL SPD.
3.PROVIDE ARC FLASH WARNING LABEL ON EQUIPMENT IN ACCORDANCE WITH NEC110.16.
4. SEE SINGLE LINE DIAGRAM FOR CONDUIT REQUIREMENTS.

SWITCHBOARD SCHEDULE

MARK: 2MDP — EXISTING

CKT #	LOAD DESCRIPTION	# OF POLES	FRAME SIZE	RATING	A	B	C	NOTES
1	EXISTING PANEL 2MD1	3	400 A	100 A	4.0 kVA	3.1 kVA	4.1 kVA	
2	EXISTING PANEL 2P1	3	600 A	600 A	64.4 kVA	61.9 kVA	61.9 kVA	
3	EXISTING PANEL 2RP	3	600 A	600 A	64.4 kVA	61.9 kVA	61.9 kVA	
4	EXISTING PANEL 2M1A	3	400 A	200 A	4.4 kVA	4.8 kVA	3.3 kVA	
5	EXISTING PANEL 2MD2	3	400 A	20 A	2.8 kVA	2.6 kVA	3.0 kVA	
6	EXISTING PANEL 2M1B	3	400 A	250 A	21.8 kVA	22.5 kVA	20.8 kVA	
7	EXISTING PANEL 2E	3	400 A	200 A	13.0 kVA	13.1 kVA	13.6 kVA	
8	EXISTING STORM SHELTER INVERTER (INV-SS)	3	400 A	40 A	3.0 kVA	3.6 kVA	1.9 kVA	
9	PANEL 2M2 *	3	400 A	250 A	27.0 kVA	24.8 kVA	24.8 kVA	
10	SPARE	3	400 A	100 A	0.0 kVA	0.0 kVA	0.0 kVA	
11	SPARE	1	20 A	20 A	0.0 kVA			
12	SPARE	1	20 A	20 A		0.0 kVA		
13	SPARE	1	20 A	20 A			0.0 kVA	
14	PANEL 2P2 *	3	600 A	600 A	130.7 kVA	130.4 kVA	132.8 kVA	
15	SPARE	3	400 A	30 A	0.0 kVA	0.0 kVA	0.0 kVA	
16	SPARE	3	600 A	600 A	0.0 kVA	0.0 kVA	0.0 kVA	
17								
18								
19								
20								
21								
22								
23								
24								

NOTES: * CONNECT TO EXISTING SPARE CIRCUIT BREAKER
TOTAL LOAD: 885 kVA
TOTAL AMPS: 2456 A

MECHANICAL EQUIPMENT ELECTRICAL SCHEDULE

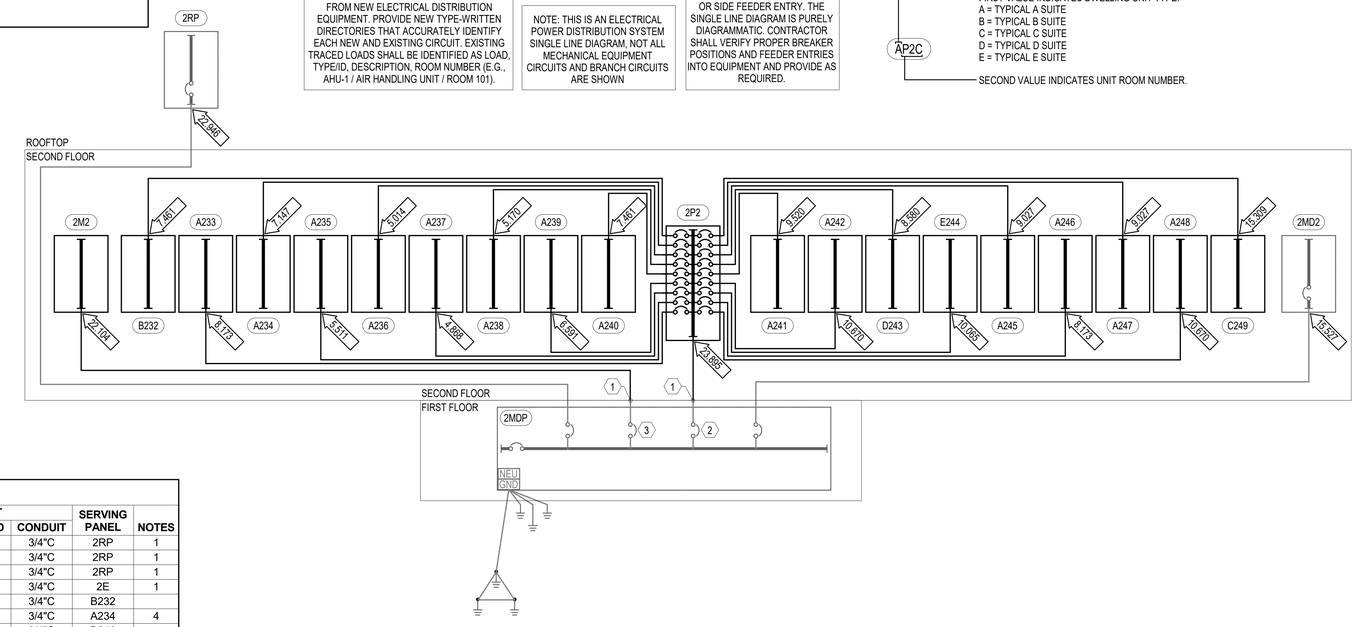
MARK TYPE	MARK #	ITEM	VOLTAGE	ϕ	MCA	LOAD	MEANS OF DISCONNECT	CB TRIP	CIRCUIT ϕ	CIRCUIT GROUND	CIRCUIT CONDUIT	SERVING PANEL	NOTES
AC	202	VRF INDOOR UNIT	208 V	1	1 A	FHP	20/2 N1 TSM	15 A	2#12	#12	3/4"C	2RP	1
AC	203A	VRF INDOOR UNIT	208 V	1	1 A	FHP	20/2 N1 TSM	15 A	2#12	#12	3/4"C	2RP	1
AC	209	VRF INDOOR UNIT	208 V	1	1 A	FHP	20/2 N1 TSM	15 A	2#12	#12	3/4"C	2RP	1
AC	213	VRF INDOOR UNIT	208 V	1	1 A	FHP	20/2 N1 TSM	15 A	2#12	#12	3/4"C	2E	1
AC	232	VRF INDOOR UNIT	208 V	1	2.4 A	FHP	20/2 N1 TSM	15 A	2#12	#12	3/4"C	B232	
AC	234	VRF INDOOR UNIT	208 V	1	2.4 A	FHP	20/2 N1 TSM	15 A	2#12	#12	3/4"C	A234	4
AC	243	VRF INDOOR UNIT	208 V	1	3 A	FHP	20/2 N1 TSM	15 A	2#12	#12	3/4"C	D243	
AC	244	VRF INDOOR UNIT	208 V	1	3 A	FHP	20/2 N1 TSM	15 A	2#12	#12	3/4"C	E244	
AC	249	VRF INDOOR UNIT	208 V	1	2.4 A	FHP	20/2 N1 TSM	15 A	2#12	#12	3/4"C	C249	
BC	5	BRANCH CONTROLLER	208 V	1	0.5 A	100 W	20/2 N1 TSM	15 A	2#12	#12	3/4"C	2MD2	
BC	6	BRANCH CONTROLLER	208 V	1	0.5 A	100 W	20/2 N1 TSM	15 A	2#12	#12	3/4"C	2MD2	
BC	7	BRANCH CONTROLLER	208 V	1	1 A	200 W	20/2 N1 TSM	15 A	2#12	#12	3/4"C	2MD2	
BC	8	BRANCH CONTROLLER	208 V	1	1 A	200 W	20/2 N1 TSM	15 A	2#12	#12	3/4"C	2MD2	
EWH	X	ELECTRIC WATER HEATER	208 V	1	27 A	4.5 kW	30/2 N1 TSM	30 A	2#10	#10	3/4"C	VARIES	
HP	X	HEAT PUMP	208 V	1	12 A	9.6 A	C/B	20 A	2#12	#12	3/4"C	VARIES	
CU	3	CONDENSING UNIT	208 V	3	54.4 A	43.5 A	60/3 N3R SS	60 A	3#6	#10	1"C	2RP	
CU	4	CONDENSING UNIT	208 V	3	68 A	54.4 A	100/3 N3R SS	80 A	3#4	#8	1 1/4"C	2RP	
OAU	X	OUTSIDE AIR UNIT	208 V	3	97 A	1 FAN @ 2HP & 1 HEATER @ 22.5 kW	SEE NOTES	100 A	3#1	#8	1 1/2"C	VARIES	2, 3

NOTES: N1 = NEMA 1, N3R = NEMA 3R, SS = SAFTEY SWITCH, FSS = FUSED SAFTEY SWITCH, C/B = SERVING C/B, TS = MANUAL TOGGLE SWITCH, TSM = MOTOR RATED TS
1. POWER SUPPLIED BY OUTDOOR UNIT POWER AND CONTROL CABLING PROVIDED BY DIV. 23, INSTALLED BY DIV. 26.
2. DISCONNECT INTEGRAL TO EQUIPMENT BY DIVISION 23.
3. EQUIPMENT PROVIDED WITH INTEGRAL VFD.
4. UNIT IS TYPICAL FOR ALL A SUITES.

TRACE EACH EXISTING CIRCUIT TO BE RE-FED FROM NEW ELECTRICAL DISTRIBUTION EQUIPMENT. PROVIDE NEW TYPE-WRITTEN DIRECTORIES THAT ACCURATELY IDENTIFY EACH NEW AND EXISTING CIRCUIT. EXISTING TRACED LOADS SHALL BE IDENTIFIED AS LOAD, TYPE/ID, DESCRIPTION, ROOM NUMBER (E.G., AHU-1 / AIR HANDLING UNIT / ROOM 101).

NOTE: THIS IS AN ELECTRICAL POWER DISTRIBUTION SYSTEM SINGLE LINE DIAGRAM, NOT ALL MECHANICAL EQUIPMENT CIRCUITS AND BRANCH CIRCUITS ARE SHOWN

NOTE: LOCATION OF MAIN BREAKERS AND FEEDERS INTO EQUIPMENT IS NOT INTENDED TO SHOW TOP OR BOTTOM MOUNTED MAIN BREAKER OR BOTTOM, TOP OR SIDE FEEDER ENTRY. THE SINGLE LINE DIAGRAM IS PURELY DIAGRAMMATIC. CONTRACTOR SHALL VERIFY PROPER BREAKER POSITIONS AND FEEDER ENTRIES INTO EQUIPMENT AND PROVIDE AS REQUIRED.



1 SINGLE LINE RISER DIAGRAM
SCALE: NOT TO SCALE
0 4' 8' 16'

PANELBOARD NOMENCLATURE

THE FOLLOWING APPLIES TO LOAD CENTERS INSTALLED IN DWELLING UNITS:

AP2C
- FIRST VALUE INDICATES DWELLING UNIT TYPE:
  - A = TYPICAL A SUITE
  - B = TYPICAL B SUITE
  - C = TYPICAL C SUITE
  - D = TYPICAL D SUITE
  - E = TYPICAL E SUITE
- SECOND VALUE INDICATES UNIT ROOM NUMBER.

LINE TYPE LEGEND

- NEW WORK
- EXISTING TO REMAIN
- EXISTING TO BE REMOVED BY CONTRACTOR

SHEET NOTES

1	INTERCEPT (2) EXISTING 3" STUB UPS AND EXTEND TO NEW PANELBOARD.
2	EXISTING 600A-3P SPARE.
3	EXISTING 250A-3P SPARE.

FEEDER CALCULATION

DISL DORM 2ND FLOOR			PANELBOARD 2P2
DWELLING AREA (SF)			15,896
SERVICE VOLTAGE			208
1 PHASE OR 3 PHASE			3
TYPICAL A SUITE PANEL	14	23,650	331,100
PANEL B232	1	22,565	22,565
PANEL C249	1	23,278	23,278
PANEL D243	1	25,600	25,600
PANEL E244	1	22,995	22,995
TOTAL			425,538
1ST 10kVA @ 100%		10,000	10,000
REMAINDER @ 40%		166,215	166,215
		TOTAL VA	176,215
		AMPS	489

FEEDER CALCULATION

DISL DORM 2ND FLOOR			PANELBOARD TYP. A
SERVICE VOLTAGE			208
1 PHASE OR 3 PHASE			1
SUITE AREA			650
GENERAL LTG/REC LOAD	3	VA/SF	1,950
SMALL APPLIANCE CKTS	2	1,500	3,000
LAUNDRY BRANCH CKTS	1	1,500	1,500
MICROWAVE	1	900	900
FRIDGE	1	1,800	1,800
RANGE	1	8,900	8,900
DRYER + WASHER	1	5,000	5,000
KITCHEN HOOD	1	200	200
TOTAL			23,750
1ST 10kVA @ 100%		10,000	10,000
REMAINDER @ 40%		13,750	5,300
HVAC LOAD (AC ONLY)	400	100%	400
		TOTAL VA	15,700
		AMPS	75

FEEDER CALCULATION

DISL DORM 2ND FLOOR			PANELBOARD TYP. B
SERVICE VOLTAGE			208
1 PHASE OR 3 PHASE			1
SUITE AREA			715
GENERAL LTG/REC LOAD	3	VA/SF	2,145
SMALL APPLIANCE CKTS	2	1,500	3,000
LAUNDRY BRANCH CKTS	1	1,500	1,500
MICROWAVE	1	1,500	1,500
FRIDGE	1	1,800	1,800
RANGE	1	6,400	6,400
DRYER	1	4,400	4,400
WASHER	1	1,320	1,320
KITCHEN HOOD	1	200	200
TOTAL			22,165
1ST 10kVA @ 100%		10,000	10,000
REMAINDER @ 40%		12,165	4,866
HVAC LOAD (AC ONLY)	400	100%	400
		TOTAL VA	15,266
		AMPS	73

FEEDER CALCULATION

DISL DORM 2ND FLOOR			PANELBOARD TYP. C
SERVICE VOLTAGE			208
1 PHASE OR 3 PHASE			1
SUITE AREA			526
GENERAL LTG/REC LOAD	3	VA/SF	1,578
SMALL APPLIANCE CKTS	2	1,500	3,000
LAUNDRY BRANCH CKTS	1	1,500	1,500
MICROWAVE	1	900	900
FRIDGE	1	1,800	1,800
RANGE	1	8,900	8,900
DRYER + WASHER	1	5,000	5,000
KITCHEN HOOD	1	200	200
TOTAL			22,878
1ST 10kVA @ 100%		10,000	10,000
REMAINDER @ 40%		12,878	5,151
HVAC LOAD (AC ONLY)	400	100%	400
		TOTAL VA	15,551
		AMPS	75

FEEDER CALCULATION

DISL DORM 2ND FLOOR			PANELBOARD TYP. D
SERVICE VOLTAGE			208
1 PHASE OR 3 PHASE			1
SUITE AREA			1060
GENERAL LTG/REC LOAD	3	VA/SF	3,180
SMALL APPLIANCE CKTS	2	1,500	3,000
LAUNDRY BRANCH CKTS	1	1,500	1,500
MICROWAVE	1	900	900
FRIDGE	1	1,800	1,800
RANGE	1	8,900	8,900
DRYER	1	4,300	4,300
WASHER	1	1,320	1,320
KITCHEN HOOD	1	200	200
TOTAL			25,100
1ST 10kVA @ 100%		10,000	10,000
REMAINDER @ 40%		15,100	6,040
HVAC LOAD (AC ONLY)	500	100%	500
		TOTAL VA	16,540
		AMPS	80

FEEDER CALCULATION

DISL DORM 2ND FLOOR			PANELBOARD TYP. E
SERVICE VOLTAGE			208
1 PHASE OR 3 PHASE			1
SUITE AREA			925
GENERAL LTG/REC LOAD	3	VA/SF	2,775
SMALL APPLIANCE CKTS	2	1,500	3,000
LAUNDRY BRANCH CKTS	1	1,500	1,500
MICROWAVE	1	1,200	1,200
FRIDGE	1	1,800	1,800
RANGE	1	6,400	6,400
DRYER	1	4,300	4,300
WASHER	1	1,320	1,320
KITCHEN HOOD	1	200	200
TOTAL			22,495
1ST 10kVA @ 100%		10,000	10,000
REMAINDER @ 40%		12,495	4,998
HVAC LOAD (AC ONLY)	500	100%	500
		TOTAL VA	15,498
		AMPS	75

FEEDER CALCULATION

DISL DORM 2ND FLOOR			PANELBOARD 2M2
SERVICE VOLTAGE			208
1 PHASE OR 3 PHASE			3
WATER HEATING	76,500	100%	76,500
		TOTAL VA	76,500
		AMPS	212

FEEDER CALCULATION

DISL DORM 2ND FLOOR			PANELBOARD 2RP
SERVICE VOLTAGE			208
1 PHASE OR 3 PHASE			3
TOTAL RECEPTACLE LOAD	1,300	100%	1,300
MOTOR LOAD (LARGEST)	27,900	125%	34,875
MOTOR LOAD (REMAINING)	160,800	100%	160,800
		TOTAL VA	196,975
		AMPS	547

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ISSUE | DATE
BID DOCUMENTS | 07/29/26

DRAWN BY: RAB
CHECKED BY: MCL

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED No. 39426 PROFESSIONAL ENGINEER MICHAEL CHRISTOPHER LEE
BY: 7-7-2026
Michael C. Lee 39426

SINGLE LINE DIAGRAMS

E6.01

7/28/2026 4:23:29 PM

PANELBOARD SCHEDULE

MARK: **2M2**

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	B	C	PHASE (kVA) A	B	C	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	EWH-A UTILITY 5 205	2	30 A	2.3			2.3			30 A	2	EWH-A UTILITY 5 205	2
3					2.3			2.3					4
5	EWH-A UTILITY 6 206	2	30 A			2.3			2.3	30 A	2	EWH-A UTILITY 6 206	6
7				2.3			2.3						8
9	EWH-A UTILITY 4 204	2	30 A		2.3			2.3		30 A	2	EWH-A UTILITY 4 204	10
11						2.3			2.3				12
13	EWH-A UTILITY 7 207	2	30 A	2.3			2.3			30 A	2	EWH-A UTILITY 7 207	14
15					2.3			2.3					16
17	EWH-A UTILITY 8 208	2	30 A			2.3			2.3	30 A	2	EWH-A UTILITY 8 208	18
19				2.3			2.3						20
21	EWH-B UTILITY 9 214	2	30 A		2.3			2.3		30 A	2	EWH-B UTILITY 9 214	22
23						2.3			2.3				24
25	EWH-A UTILITY 8 213	2	30 A	2.3			2.3			30 A	2	EWH-A UTILITY 10 210	26
27					2.3			2.3					28
29	EWH-A UTILITY 11 212	2	30 A			2.3			2.3	30 A	2	EWH-A UTILITY 10 210	30
31				2.3			2.3						32
33	EWH-A UTILITY 11 212	2	30 A		2.3			0.0		20 A	1	SPARE	34
35						2.3			0.0	20 A	1	SPARE	36
37	SPARE	1	20 A	0.0			0.0			20 A	1	SPARE	38
39	SPARE	1	20 A		0.0			0.0		20 A	1	SPARE	40
41	SPARE	1	20 A			0.0			0.0	20 A	1	SPARE	42

TOTAL KVA: ϕ A: 27.0 ϕ B: 24.8 ϕ C: 24.8 HIGH ϕ (AMPS): 225 A
TOTAL CONNECTED LOAD (KVA): 76.5 TOTAL LOAD (AMPS): 212.3 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:

PANELBOARD SCHEDULE

MARK: **B232**

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	B	PHASE (kVA) A	B	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	AC-232+	2	15 A	0.2		2.0		50 A	2	NEMA REC. RANGE *+	2
3					0.2		2.0				4
5	LTS ADA R.R. 232D+	1	20 A	0.0		2.2		30 A	2	NEMA REC. DRYER *+	6
7	REC ADA R.R. 232D+	1	20 A		0.2		2.2				8
9	REC. WASHING MACHINE+	1	20 A	1.3		1.5		20 A	1	REC. MICROWAVE+	10
11	BEDROOM LTS & RECS 232+	1	20 A		0.9		0.4	20 A	1	REC KITCHEN 232+	12
13	BEDROOM LTS & RECS 232+	1	20 A	0.9		0.4		20 A	1	REC KITCHEN 232+	14
15	SUITE WEST RECS+	1	20 A		1.9		1.8	20 A	1	REC. REFRIGERATOR+	16
17	SUITE LTS & RECS+	1	20 A	1.1		0.2		15 A	1	REC. KITCHEN HOOD+	18
19	LTS W/D 232E+	1	20 A		0.0		0.0	20 A	1	SPARE	20
21	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	22
23	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	24
25	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	26
27	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	28
29	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	30
31	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	32
33	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	34
35	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	36
37	SPACE ONLY	1	--	--		--		--	1	SPACE ONLY	38
39	SPACE ONLY	1	--		--		--	--	1	SPACE ONLY	40
41	SPACE ONLY	1	--	--		--		--	1	SPACE ONLY	42

TOTAL KVA: ϕ A: 9.8 ϕ B: 9.4 HIGH ϕ (AMPS): 93 A
TOTAL CONNECTED LOAD (KVA): 19.2 TOTAL LOAD (AMPS): 92.2 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:
TYPICAL SUITE B PANEL SCHEDULE
* PROVIDE THIS CIRCUIT WITH A GFCI BREAKER
+PROVIDE AFCI TYPE C/B

PANELBOARD SCHEDULE

MARK: **2P2**

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	B	C	PHASE (kVA) A	B	C	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	B232	2	100 A	9.8			11.0			100 A	2	A233	2
3					9.4			11.2					4
5	A234	2	100 A			11.0			11.0	100 A	2	A235	6
7				11.2			11.2						8
9	A236	2	100 A		11.0			11.0		100 A	2	A237	10
11						11.2			11.2				12
13	A238	2	100 A	11.0			11.0			100 A	2	A239	14
15					11.2			11.2					16
17	A240	2	100 A			11.0			11.0	100 A	2	A241	18
19				11.2			11.2						20
21	A242	2	100 A		11.0			12.1		100 A	2	D243	22
23						11.2			12.0				24
25	E244	2	100 A	9.5			11.0			100 A	2	A245	26
27					9.5			11.2					28
29	A246	2	100 A			11.0			11.0	100 A	2	A247	30
31				11.2			11.2						32
33	A248	2	100 A		11.0			10.3		100 A	2	C249	34
35						11.2			9.8				36
37	SPARE	1	20 A	0.0			0.0			20 A	1	SPARE	38
39	SPARE	1	20 A		0.0			0.0		20 A	1	SPARE	40
41	SPARE	1	20 A			0.0			0.0	20 A	1	SPARE	42

TOTAL KVA: ϕ A: 130.7 ϕ B: 130.4 ϕ C: 132.8 HIGH ϕ (AMPS): 1107 A
TOTAL CONNECTED LOAD (KVA): 393.8 TOTAL LOAD (AMPS): 1093.2 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:

PANELBOARD SCHEDULE

MARK: **C249**

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	B	PHASE (kVA) A	B	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	AC-249+	2	15 A	0.2		4.5		50 A	2	NEMA REC. RANGE *+	2
3					0.2		4.5				4
5	REC R.R. 249B+	1	20 A	0.2		2.5		30 A	2	NEMA REC. DRYER *+	6
7	LTS R.R. 249B+	1	20 A		0.0		2.5				8
9	SUITE 249 LTS & RECS+	1	20 A	1.6		0.9		20 A	1	REC. MICROWAVE+	10
11	BEDROOM LTS & REC+	1	20 A		0.4		0.4	20 A	1	REC KITCHEN 249+	12
13	LTS W/D 249C+	1	20 A	0.0		0.4		20 A	1	REC KITCHEN 249+	14
15	SPARE	1	20 A		0.0		1.8	20 A	1	REC. REFRIGERATOR+	16
17	SPARE	1	20 A	0.0		0.2		15 A	1	REC. KITCHEN HOOD+	18
19	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	20
21	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	22
23	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	24
25	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	26
27	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	28
29	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	30
31	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	32
33	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	34
35	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	36
37	SPACE ONLY	1	--	--		--		--	1	SPACE ONLY	38
39	SPACE ONLY	1	--		--		--	--	1	SPACE ONLY	40
41	SPACE ONLY	1	--	--		--		--	1	SPACE ONLY	42

TOTAL KVA: ϕ A: 10.3 ϕ B: 9.8 HIGH ϕ (AMPS): 99 A
TOTAL CONNECTED LOAD (KVA): 20.1 TOTAL LOAD (AMPS): 96.8 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:
TYPICAL SUITE C PANEL SCHEDULE
* PROVIDE THIS CIRCUIT WITH A GFCI BREAKER
+PROVIDE AFCI TYPE C/B

PANELBOARD SCHEDULE

MARK: **A234**

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	B	PHASE (kVA) A	B	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	AC-234+	2	15 A	0.2		4.5		50 A	2	NEMA REC. RANGE *+	2
3					0.2		4.5				4
5	LTS R.R. 234D+	1	20 A	0.1		2.5		30 A	2	NEMA REC. DRYER *+	6
7	REC R.R. 234D+	1	20 A		0.2		2.5				8
9	BEDROOM LTS & RECS+	1	20 A	1.0		0.9		20 A	1	REC. MICROWAVE+	10
11	BEDROOM LTS & RECS+	1	20 A		0.9		1.8	20 A	1	REC. REFRIGERATOR+	12
13	SUITE RECS WEST WALL+	1	20 A	1.2		0.2		15 A	1	REC. KITCHEN HOOD+	14
15	SUITE LTS & RECS+	1	20 A		0.8		0.4	20 A	1	REC KITCHEN 234+	16
17	LTS W/D 234E+	1	20 A	0.0		0.4		20 A	1	REC KITCHEN 234+	18
19	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	20
21	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	22
23	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	24
25	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	26
27	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	28
29	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	30
31	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	32
33	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	34
35	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	36
37	SPACE ONLY	1	--	--		--		--	1	SPACE ONLY	38
39	SPACE ONLY	1	--		--		--	--	1	SPACE ONLY	40
41	SPACE ONLY	1	--	--		--		--	1	SPACE ONLY	42

TOTAL KVA: ϕ A: 11.0 ϕ B: 11.2 HIGH ϕ (AMPS): 107 A
TOTAL CONNECTED LOAD (KVA): 22.1 TOTAL LOAD (AMPS): 106.3 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:
TYPICAL SUITE A PANEL SCHEDULE
* PROVIDE THIS CIRCUIT WITH A GFCI BREAKER
+PROVIDE AFCI TYPE C/B

PANELBOARD SCHEDULE

MARK: **D243**

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	B	PHASE (kVA) A	B	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	AC-243+	2	15 A	0.3		4.5		50 A	2	NEMA REC. RANGE *+	2
3					0.3		4.5				4
5	REC. WASHING MACHINE+	1	20 A	1.3		2.2		30 A	2	NEMA REC. DRYER *+	6
7	REC R.R. 243F+	1	20 A		0.2		2.2				8
9	REC R.R. 243E+	1	20 A	0.2		0.9		20 A	1	REC. MICROWAVE+	10
11	BEDROOM LTS & RECS+	1	20 A		1.0		0.4	20 A	1	REC KITCHEN 243+	12
13	BEDROOM LTS & RECS+	1	20 A	1.0		0.4		20 A	1	REC KITCHEN 243+	14
15	BEDROOM LTS & RECS+	1	20 A		1.0		1.8	20 A	1	REC. REFRIGERATOR+	16
17	LTS R.R. 243E+	1	20 A	0.1		0.2		15 A	1	REC. KITCHEN HOOD+	18
19	LTS W/D 243G+	1	20 A		0.0		0.7	20 A	1	SUITE SOUTH REC+	20
21	SPARE	1	20 A	0.0		1.2		20 A	1	SUITE 243 LTS & RECS+	22
23	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	24
25	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	26
27	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	28
29	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	30
31	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	32
33	SPARE	1	20 A	0.0		0.0		20 A	1	SPARE	34
35	SPARE	1	20 A		0.0		0.0	20 A	1	SPARE	36
37	SPACE ONLY	1	--	--		--		--	1	SPACE ONLY	38
39	SPACE ONLY	1	--		--		--	--	1	SPACE ONLY	40
41	SPACE ONLY	1	--	--		--		--	1	SPACE ONLY	42

TOTAL KVA: ϕ A: 12.1 ϕ B: 12.0 HIGH ϕ (AMPS): 116 A
TOTAL CONNECTED LOAD (KVA): 24.1 TOTAL LOAD (AMPS): 115.9 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:
TYPICAL SUITE D PANEL SCHEDULE
* PROVIDE THIS CIRCUIT WITH A GFCI BREAKER
+PROVIDE AFCI TYPE C/B

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ISSUE | DATE
BID DOCUMENTS | 07/29/26

DRAWN BY: HP
CHECKED BY: MCL

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA
No. 39426
PROFESSIONAL
7-29-2026
ENGINEER
MICHAEL CHRISTOPHER LEE

Michael C. Lee 39426

SCHEDULES

E7.01

7/28/2026 4:23:29 PM

PANELBOARD SCHEDULE

MARK: **E244**

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) A	PHASE (kVA) B	P	BREAKER TRIP	CKT #	LOAD DESCRIPTION
1	AC-244+	2	20 A	0.3		2.0		1	50 A	2	NEMA REC. RANGE *+
3					0.3		2.0			4	
5	REC. WASHING MACHINE+	1	20 A	1.3		2.2		1	30 A	2	NEMA REC. DRYER *+
7	REC ADA R.R. 244D+	1	20 A		0.2		2.2			6	
9	LTS ADA R.R. 244D+	1	20 A	0.0		0.5		1	20 A	8	
11	BEDROOM 244B LTS & RECS+	1	20 A		1.0		1.2	1	20 A	10	REC KITCHEN 244+
13	BEDROOM 244B LTS & RECS+	1	20 A	1.2		0.4		1	20 A	12	REC. MICROWAVE+
15	SUITE 244 LTS & RECS+	1	20 A		0.9		1.8	1	20 A	14	REC KITCHEN 244+
17	SUITE 244 EAST REC+	1	20 A	1.4		0.2		1	20 A	16	REC. REFRIGERATOR+
19	LTS W/D 244E+	1	20 A		0.0		0.0	1	15 A	18	REC. KITCHEN HOOD+
21	SPARE	1	20 A	0.0		0.0		1	20 A	20	SPARE
23	SPARE	1	20 A		0.0		0.0	1	20 A	22	SPARE
25	SPARE	1	20 A	0.0		0.0		1	20 A	24	SPARE
27	SPARE	1	20 A		0.0		0.0	1	20 A	26	SPARE
29	SPARE	1	20 A	0.0		0.0		1	20 A	28	SPARE
31	SPARE	1	20 A		0.0		0.0	1	20 A	30	SPARE
33	SPARE	1	20 A	0.0		0.0		1	20 A	32	SPARE
35	SPARE	1	20 A		0.0		0.0	1	20 A	34	SPARE
37	SPACE ONLY	1	--	--		--		1	--	36	SPARE
39	SPACE ONLY	1	--		--		--	1	--	38	SPACE ONLY
41	SPACE ONLY	1	--	--		--		1	--	40	SPACE ONLY
										42	SPACE ONLY

TOTAL KVA: ϕ A: 9.5 ϕ B: 9.5 HIGH ϕ (AMPS): 92 A
TOTAL CONNECTED LOAD (KVA): 19.0 TOTAL LOAD (AMPS): 91.5 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:
TYPICAL SUITE E PANEL SCHEDULE
* PROVIDE THIS CIRCUIT WITH A GFCI BREAKER
+PROVIDE AFCI TYPE C/B

PANELBOARD SCHEDULE

MARK: **2RP** EXISTING

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	**HP-209/AC-209***	2	20 A	1.0			1.4			20 A	1	EXISTING ROOFTOP SERVICE REC.	2
3					1.0			5.8					4
5						8.6			5.8	70 A	3	EXISTING CU-1	6
7	EXISTING OAU-2	3	90 A	8.6			5.8						8
9					8.6			8.6					10
11						5.8			8.6	90 A	3	EXISTING OAU-1	12
13	EXISTING CU-2	3	70 A	5.8			8.6						14
15					5.8			0.0		20 A	1	SPARE	16
17	EXISTING CU-IT	2	20 A			1.0			0.0	20 A	1	SPARE	18
19				1.0			1.0			20 A	2	**HP-203A/AC-203A ***	20
21	EXISTING CU-E	2	20 A		1.0			1.0					22
23						1.0			9.3				24
25				9.3			9.3			100 A	3	**OAU-4 ***	26
27	**OAU-3 ***	3	100 A		9.3			9.3					28
29						9.3			1.0				30
31				5.2			1.0			20 A	2	**HP-202/AC-202 ***	32
33	**CU-3 ***	3	60 A		5.2			6.1					34
35						5.2			6.1	80 A	3	**CU-4 ***	36
37	SPARE	1	20 A	0.0			6.1						38
39	SPARE	1	20 A		0.0			0.0		20 A	1	SPARE	40
41	SPARE	1	20 A			0.0			0.0	20 A	1	SPARE	42

TOTAL KVA: ϕ A: 64.4 ϕ B: 61.9 ϕ C: 61.9 HIGH ϕ (AMPS): 536 A
TOTAL CONNECTED LOAD (KVA): 188.1 TOTAL LOAD (AMPS): 522.2 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:
* INDICATES NEW CIRCUIT. PROVIDE NEW 22kAIC C/B. REMOVE EXISTING SPARE C/Bs TO ACCOMMODATE NEW.

PANELBOARD SCHEDULE

MARK: **2MD2** EXISTING

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	**MECH CONTROL PNL RM 203A**	1	20 A	0.1			0.1			20 A	1	**MECH CONTROL PNL RM 203A**	2
3	EXISTNG LTG. RM 202 & 203A	1	20 A		0.1			0.1		20 A	1	**EF-214**	4
5	**LTG. SOUTH WEST UTILITY CLOSETS**	1	20 A			0.1			0.4	20 A	1	EXISTING REC. RM 202 & 203A	6
7	**LTG. RM 209**	1	20 A	0.0			0.2			20 A	1	**NAC +**	8
9	**LTG. JANITOR 214 & TELCOMM RM 213**	1	20 A		0.2			0.5		20 A	1	**REC. UTILITY 206, 207, 208**	10
11	**REC. JANITOR 214 & WORK SPACE 209**	1	20 A			0.4			1.1	20 A	1	**REC. UTILITY 210, 212, 213**	12
13	**REC. CORRIDOR**	1	20 A	1.3			0.1			15 A	2	**BS-5 ***	14
15	**LTG. CORRIDOR**	1	20 A		0.9			0.1					16
17	**BS-6 ***	2	15 A			0.1			0.1	15 A	2	**BS-8 ***	18
19				0.1			0.1						20
21	**BS-7 ***	2	15 A		0.1			0.1		20 A	1	**ICE MAKER POWER * ^**	22
23						0.1			0.8	20 A	1	**NE CORRIDOR SD POWER**	24
25	**SW CORRIDOR SD POWER**	1	20 A	0.8			0.0			20 A	1	**SPARE**	26
27	**SW CORRIDOR SD POWER**	1	20 A		0.5			0.0		20 A	1	**SPARE**	28
29	**SPARE**	1	20 A			0.0			0.0	20 A	1	**SPARE**	30
31	**SPARE**	1	20 A	0.0			0.0			20 A	1	SPARE	32
33	SPARE	1	20 A		0.0			0.0		20 A	1	SPARE	34
35	SPARE	1	20 A			0.0			0.0	20 A	1	SPARE	36
37	SPARE	1	20 A	0.0			0.0			20 A	1	SPARE	38
39	SPARE	1	20 A		0.0			0.0		20 A	1	SPARE	40
41	SPARE	1	20 A			0.0			0.0	20 A	1	SPARE	42

TOTAL KVA: ϕ A: 2.8 ϕ B: 2.6 ϕ C: 3.0 HIGH ϕ (AMPS): 26 A
TOTAL CONNECTED LOAD (KVA): 8.5 TOTAL LOAD (AMPS): 23.6 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:
* INDICATES NEW CIRCUIT. PROVIDE NEW 22kAIC C/B. REMOVE EXISTING SPARE C/Bs TO ACCOMMODATE NEW.
+ PROVIDE LOCKABLE C/B, PAINTED RED.
^ PROVIDE CIRCUIT WITH GFCI BREAKER.

PANELBOARD SCHEDULE

MARK: **2E** EXISTING

CKT #	LOAD DESCRIPTION	P	BREAKER TRIP	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	BREAKER TRIP	P	LOAD DESCRIPTION	CKT #
1	MAIN & NORTH DOORS POWER	1	20 A	0.0			0.0			20 A	1	WEST DOORS POWER	2
3					2.5			9.6					4
5	DBP-1	3	35 A			2.5			9.6	100 A	3	ELEVATOR	6
7				2.5			9.6						8
9	SUMP PUMP REC.	1	20 A		0.2			0.0		20 A	1	SHUNT TRIP SPACE ONLY	10
11	ELEVATOR PIT LIGHTING	1	20 A			0.1			1.2	20 A	1	ELEVATOR SERVICE REC	12
13	POWER	1	20 A	0.0			0.1			15 A	1	ELEVATOR CAB LIGHTING	14
15	IT REC 1	1	20 A		0.4			0.2		20 A	1	BOSS POWER	16
17	**SPR REC. TELCOMM RM 213 ***	1	20 A			0.2			0.2	20 A	1	**SPR REC. TELECOMM RM 213 ***	18
19	IT REC 2	1	20 A	0.4			0.2			20 A	1	**SPR REC. TELCOMM ROOM 213**	20
21	IT REC 4	1	20 A		0.4			0.2		20 A	1	**SPR REC. TELCOMM RM 213 ***	22
23	IT REC 3	1	20 A			0.4			1.0				24
25	CU-IT	2	20 A	1.0			1.0			20 A	2	**HP-213/AC-213 ***	26
27					1.0			0.0		20 A	1	SPARE	28
29	SPARE	1	20 A			0.0			0.0	20 A	1	SPARE	30
31	SPARE	1	20 A	0.0			0.0			20 A	1	SPARE	32
33	SPARE	1	20 A		0.0			0.0		20 A	1	SPARE	34
35	SPARE	1	20 A			0.0			0.0	20 A	1	SPARE	36
37	SPARE	1	20 A	0.0			0.0			20 A	1	SPARE	38
39	SPARE	1	20 A		0.0			0.0		20 A	1	SPARE	40
41	SPARE	1	20 A			0.0			0.0	20 A	1	SPARE	42

TOTAL KVA: ϕ A: 14.8 ϕ B: 14.5 ϕ C: 15.2 HIGH ϕ (AMPS): 127 A
TOTAL CONNECTED LOAD (KVA): 44.5 TOTAL LOAD (AMPS): 123.5 A

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC), AND ROOM NO. SERVED FOR EVERY BRANCH CIRCUIT.

NOTES:
* INDICATES NEW CIRCUIT. PROVIDE NEW 22kAIC C/B. REMOVE EXISTING SPARE C/Bs TO ACCOMODATE NEW.

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	LAMP TYPE	LAMP #	LAMP WATTS	TOTAL WATTS	VOLTAGE	MOUNTING	NOTES
VAN	BROWNLEE LIGHTING 5160 24 BL H16 EC1 35K AMF LIGHTWAY ENVOY LIGHTING	LED 35K	N/A	16 W	16 W	120 V	WALL 6" ABOVE MIRROR	ALUMINUM EXTRUSION ASSEMBLY WITH COLD ROLLED STEEL HOUSING AND UVSTABILIZED ACRYLIC DIFFUSER. ORIENT FIXTURE WITH LONG AXIS HORIZONTAL.
LD15	GOTHAM EVO 35/15 6AR MD LSS MVOLT EZB USAI ABOVE ALL LIGHTING	LED 35K	N/A	14.7 W	15 W	120 V	RECESSED GRID OR FLANGE	PROVIDE 0-10V DIMMING DRIVER, CLEAR ALZAC SPECULAR SPUN ALUMINUM REFLECTOR, WHITE FLANGE AND INTEGRAL MOUNTING CHANNELS.
LD20	GOTHAM EVO 35/20 6AR MD LSS MVOLT EZB USAI ABOVE ALL LIGHTING	LED 35K	N/A	19.7 W	20 W	120 V	RECESSED GRID OR FLANGE	PROVIDE 0-10V DIMMING DRIVER, CLEAR ALZAC SPECULAR SPUN ALUMINUM REFLECTOR, WHITE FLANGE AND INTEGRAL MOUNTING CHANNELS.
LD25	GOTHAM EVO 35/25 6AR MD LSS MVOLT EZB USAI ABOVE ALL LIGHTING	LED 35K	N/A	24.7 W	25 W	120 V	RECESSED GRID OR FLANGE	PROVIDE 0-10V DIMMING DRIVER, CLEAR ALZAC SPECULAR SPUN ALUMINUM REFLECTOR, WHITE FLANGE AND INTEGRAL MOUNTING CHANNELS.
LD30	GOTHAM EVO6 35/30 AR LSS MD MVOLT EZ1 USAI ABOVE ALL LIGHTING	LED 35K	N/A	29.5 W	30 W	120 V	RECESSED GRID OR FLANGE	PROVIDE 0-10V DIMMING DRIVER, CLEAR ALZAC SPECULAR SPUN ALUMINUM REFLECTOR, WHITE FLANGE AND INTEGRAL MOUNTING CHANNELS.
LSL	GOTHAM EV04SH 35/15 DFFAMF SMO 120 EZ1 USAI ABOVE ALL LIGHTING	LED 35K	N/A	13.7 W	14 W	120 V	RECESSED GRID OR FLANGE	PROVIDE 0-10V DIMMING DRIVER, CLEAR ALZAC SPECULAR SPUN ALUMINUM REFLECTOR, WHITE FLANGE AND INTEGRAL MOUNTING CHANNELS.
CF	OXYGEN OSLO 3-128-5 OR APPROVED EQUAL	LED	N/A	79 W	79 W	120 V	SUSPENDED	44" CEILING FAN WITH LIGHT KIT. COORDINATE SUSPENSION HEIGHT WITH ARCHITECTUAL
L5I	LITHONIA ZLID L48 5000LM FST MVOLT 35K 80CRI WH SLG ABOVE ALL LIGHTING	LED 35K	N/A	41 W	41 W	120 V	SUSPENDED @ 9'-0" AFF	LOW PROFILE STRIP FIXTURE, INJECTION MOLDED ACRYILIC DIFFUSE LENS WITH 10% UPLIGHT. 10% 0-10V DIMMING DRIVER, 5-YEAR WARRANTY. PAINTED AFTER FABRICATION.
L7I	LITHONIA ZLID L48 7000LM FST MVOLT 35K 80CRI WH DAY-BRITE COLUMBIA	LED 35K	N/A	59 W	59 W	120 V	SUSPENDED @ 9'-0" AFF	LOW PROFILE STRIP FIXTURE, INJECTION MOLDED ACRYILIC DIFFUSE LENS WITH 10% UPLIGHT. 10% 0-10V DIMMING DRIVER, 5-YEAR WARRANTY. PAINTED AFTER FABRICATION.
EXB	LITHONIA LHQM S W 3 R HO RO EMERGILITE FME LIGHTING	LED RED	N/A	9 W	9 W	120 V	WALL OR CEILING AS INDICATED	PROVIDE EMERGENCY NICAD BATTERY BACKUP, ARROWS AS PER PLANS. DIE CAST ALUMINUM HOUSING W/BRUSHED ALUMINUM FACEPLATE, SELF DIAGNOSTICS W/LEDS, DOUBLE FACE AS INDICATED ON PLANS. PROVIDE WALL MOUNT WHERE INDICATED ON DRAWINGS. PROVIDE SURFACE MOUNT KIT AS REQUIRED.
L4A	MARK ARCHITECTURAL LIGHTING SL4L LOP 4FT FLP TG 80CRI 35K 1000LMF MIN1 120 ARCHITECTURAL LIGHTING WORKS PRUDENTIAL LIGHTING	LED 35K	N/A	40 W	40 W	120 V	RECESSED GRID	EXTRUDED ALUMINUM CEILING TRIM, 90% TRANSMISSIVE POLYCARBONATE LENS, PAINTED AFTER FAB
L3A	LITHONIA 2GTL 4 30L GZ1 LP835 ABOVE ALL LIGHTING ENVOY LIGHTING	LED 35K	N/A	24 W	24 W	120 V	RECESSED GRID	ACRYILIC FIXTURE WITH A19 LENS 0.156" THICK, 1% 0-10V DIMMING DRIVER, MITRED DOOR FRAMES W/SPRING LOADED LATCHES AND PAINTED AFTER FAB, L90 RATED LIFE OF 60,000 HOURS AND A 5 YEAR WARRANTY.
L2W2	LITHONIA LBL2 2000LM 80CRI 35K MIN10 GZT MVOLT ALL ABOVE LIGHTING ENVOY LIGHTING	LED 35K	N/A	16.9 W	17 W	120 V	SURFACE	WRAPAROUND FIXTURE, INJECTION MOLDED ACRYLIC PRISMATIC LENS WITH SONICALLY WELDED LUMINOUS ENDS. 10% 0-10V DIMMING DRIVER, 5-YEAR WARRANTY, PAINTED AFTER FAB. LED REQUIREMENTS: L90 RATED LIFE OF 50,000 HOURS.
BATTERY PACK	BODINE EMERGI-LITE BEGHELLI						INSIDE LIGHT FIXTURE	1400 LUMENS FOR 90 MINUTES, UL 924 LISTED MAINTENANCE-FREE NICKEL-CADMIUM BATTERY, TEST SWITCH, LED INDICATING LIGHT, AUTOMATIC CHARGER

NOTES: FIXTURES WITH HALF FILLED IN CENTER SHALL BE PROVIDED WITH A BATTERY PACK. SEE PLANS FOR QUANTITY.
PRIOR APPROVALS MUST BE SUBMITTED TO THE ENGINEER 14 DAYS PRIOR TO BID DATE FOR REVIEW.

dell consulting
MEP Engineering
Alabama Certificate Number: CA-4146-E
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GMC

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ISSUE DATE
BID DOCUMENTS 07/29/26

DRAWN BY: HP
CHECKED BY: MCL

SECOND FLOOR FIT-OUT (INTERIOR RENOVATION)
FOR NEW DORMITORY FOR DAUPHIN ISLAND SEA LAB CAMPUS
101 BIENVILLE BOULEVARD
DAUPHIN ISLAND, AL 36528

DCM# 2026138
GMC AMOB260001

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 33426 07-29-2026 MICHAEL CHRISTOPHER LEE

Michael C. Lee 33426

SCHEDULES

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