

BISHOP STATE COMMUNITY COLLEGE MARITIME TRAINING CENTER RENOVATION

BSCC - SOUTHWEST CAMPUS- BUILDING 200
925 DAUPHIN ISLAND PKWY, MOBILE, AL 36605

ISSUED FOR BID SET

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

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ISSUE | DATE
IFB SET | 10/26/2026

DRAWN BY: H.S.
CHECKED BY: J.W.

BISHOP STATE COMMUNITY COLLEGE MARITIME TRAINING CENTER RENOVATION
925 DAUPHIN ISLAND PKWY,
MOBILE, AL 36605

ACCS: 2025.144 BISHOP
GMC: AMOB260006

STATE OF ALABAMA
REGISTERED ARCHITECT
MOBILE, ALABAMA
30515

TITLE SHEET

G0.01

10/27/2026 7:50:11 AM TEMPLATE VERSION: 2025.1

ABBREVIATIONS

ACC	ACCESSIBLE
ACI	AMERICAN CONCRETE INSTITUTE
ACT	ACOUSTICAL CEILING TILE
ADD	ADDENDUM
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECT (URAL)
ADJ	ADJACENT
B/B	BACK-TO-BACK
BC	BASE OF CURB
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BM	BENCHMARK
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BUR	BUILT-UP ROOF
BOW	BOTTOM OF WALL
B/W	BETWEEN
CAB	CABINET
CB	CATCH BASIN
C/C	CENTER TO CENTER
CD	CORE DECK
CF	CUBIC FOOT
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CI	CAST IRON
CIP	CAST IRON PIPE
CJ	CONSTRUCTION OR CONTROL JOINT
CLG	CEILING
CLO	CLOSET
CLR	CLEAR (ANCE)
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS OR CONTINUE
COORD	COORDINATE
CPT	CARPET (ED)
CSMU	CALCIUM SILICATE MASONRY UNIT
CT	CERAMIC TILE
CW	CURTAIN WALL
D	DRYER
DBL	DOUBLE
DEM	DEMOLISH OR DEMOLITION
DET	DETAIL
DH	DOUBLE HUNG
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DL	DEAD LOAD
DS	DOWNSPOUT
DWG	DRAWING
DF	DRINKING FOUNTAIN

EA	EACH
EF	EACH FACE
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
ELEV	ELEVATION / ELEVATOR
ELEC	ELECTRIC (ALL)
ENGR	ENGINEER
EOP	EDGE OF PAVEMENT
EOS	EDGE OF SLAB
EQ	EQUAL
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED
EXPN	EXPANSION
EXT	EXTERIOR
FBO	FURNISHED BY OTHERS
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER & CABINET
FFE	FINISH FLOOR ELEVATION
FFW	FINISH FACE OF WALL
FHC	FIRE HOSE & CABINET
F/F	FACE TO FACE
FL	FLOOR
FLG	FLANGE
FND	FOUNDATION
FO	FACE OF
FOB	FACE OF BRICK
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FR	FRAME (ED), (ING)
FRT	FIRE RETARDANT TREATED
FT	FOOT/FEET
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GHM	GALVANIZED HOLLOW METAL
GI	GALVANIZED IRON
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	HEIGHT
HC	HANDICAP
HM	HOLLOW METAL
HOD	HIGHEST OPERABLE DEVICE
HORIZ	HORIZONTAL
HP	HIGH POINT/HORSE POWER
HSS	HOLLOW STRUCTURAL STEEL
HT	HEIGHT
HVAC	HEATING / VENTILATION / AIR CONDITIONING
HW	HARDWARE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IJ	ISOLATION JOINT
IN	INCH / INCHES
INSUL	INSULATION
JAN	JANITOR'S CLOSET
JG	JOIST GIRDER
JT	JOINT

K	THOUSAND
KIP	1000 #
KJ	KEY JOINT
KSI	1000 # PER SQ IN
LAM	LAMINATE (D)
LF	LINEAR FOOT
L	LENGTH, ANGLE
LAB	LABORATORY
LAV	LAVATORY
LH	LEFT HAND
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LT GA	LIGHT GAUGE
LT	LIGHT
MATL	MATERIAL
MAX	MAXIMUM
MC	MISCELLANEOUS CHANNEL
MECH	MECHANICAL
MEZZ	MEZZANINE
MANUF	MANUFACTURE (R)
MH	MANHOLE
MIN	MINIMUM
MO	MASONRY OPENING
MULL	MULLION
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O/H	OVERHEAD
OC	ON CENTER (S)
OCC	OCCUPANT (S)
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OH	OPPOSITE HAND
OPG	OPENING
OPP	OPPOSITE
PJ	PRECAST JOINT
PL	PROPERTY LINE, PLATE
PLAM	PLASTIC LAMINATE
PNT	PAINT (ED)
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PREMANUF	PREMANUFACTURED
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT / PRESSURE TREATED / POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWD	PLYWOOD
QT	QUARRY TILE
RA	RETURN AIR
RAD	RADIUS
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCEMENT BAR
REF	REFRIGERATOR / REFERENCE
REINF	REINFORCE (D), (ING)

REQ'D	REQUIRED
RET	RETAINING
REV	REVISION (S), REVISED
RH	RIGHT HAND
RJ	RECESSED JOINT
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RTU	ROOF TOP UNIT
SC	SEALED CONCRETE
SCHED	SCHEDULED
SD	STORM DRAIN
SECT	SECTION
SF	STOREFRONT
SIM	SIMILAR
SPEC	SPECIFICATION (S)
SQ	SQUARE
SS	SOLID SURFACE
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SY	SQUARE YARD
TELE	TELEPHONE
TERM	TERMINATION
T&G	TONGUE AND GROOVE
TH	THICK (NESS)
THK	THICK (NESS)
TO	TOP OF
TOC	TOP OF CURB
TOGB	TOP OF GRAB BAR
TOF	TOP OF FOOTING
TOJ	TOP OF JOIST
TOS	TOP OF SLAB / TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
TZ	TERRAZZO
UNO	UNLESS NOTED OTHERWISE
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VWC	VINYL WALL COVERING
W	WASHER / WIDTH / WIDE FLANGE
WB	WOOD BASE
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WIN	WINDOW
WP	WORK POINT / WATERPROOFING
WT	WEIGHT
W/W	WALL TO WALL
WWF	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT

ANNOTATION SYMBOLS & TAGS

ROOM NAME
101
ROOM REFERENCE TAG

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

CONSECUTIVE LETTERS ARE USED FOR COLUMN LINES RUNNING EAST & WEST

FACE OF MASONRY OR FACE OF GIRDER

677.52
ELEVATION TAG:
677.52 - ELEVATION (FT)

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

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

FF&E:
BY OTHERS

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

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

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

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

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

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

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

TA01
SPECIALTY EQUIPMENT TAG:
SEE SPECIALTY EQUIPMENT SCHEDULE

G1
PLAN KEYNOTE TAG:
KEYNOTE NUMBER
SEE PLAN KEYNOTE SCHEDULE

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

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

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

CDS#
HEIGHT # # DEPTH #
WIDTH #
CASEWORK TAG

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

INTERIOR FINISH TAG

PLAN NORTH
NORTH ARROW:
ARCHITECTURAL PLAN ORIENTATION

TRUE NORTH
NORTH ARROW:
CIVIL ORIENTATION

DRAWING INDEX

DWG. NO.	DRAWING NAME	ORIG. DATE	ORIGINAL ISSUE NAME
0.0 GENERAL			
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G0.02	DRAWING INDEX & GENERAL INFORMATION	10/26/2026	IFB SET
G0.10	GENERAL NOTES	10/26/2026	IFB SET
G0.30	ACCESSIBILITY DATA & PLUMBING LAYOUTS	10/26/2026	IFB SET
G1.01	LIFE SAFETY - CODE ANALYSIS	10/26/2026	IFB SET
G2.01	PARTITION TYPES & DETAILS	10/26/2026	IFB SET
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S2-51.1	BUILDING 200 ROOF FRAMING PLAN	10/26/2026	IFB SET
S2-53.0	STRUCTURAL SECTIONS AND DETAILS	10/26/2026	IFB SET
S2-53.1	STRUCTURAL SECTIONS AND DETAILS	10/26/2026	IFB SET
S2-53.2	STRUCTURAL SECTIONS AND DETAILS	10/26/2026	IFB SET
S2-53.3	STRUCTURAL SECTIONS AND DETAILS	10/26/2026	IFB SET
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A6.02	DOOR DETAILS	10/26/2026	IFB SET
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M2.01	HVAC NEW WORK PLAN	10/26/2026	IFB SET
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VICINITY MAP



LOCATION MAP



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ACCS: 2025144 BISHOP
GMC: AMOB260006

STATE OF ALABAMA
REGISTERED ARCHITECT
JOHN WILLIAMS
9955
MOBILE, ALABAMA

DRAWING INDEX & GENERAL INFORMATION

G0.02

10/27/2026 7:50:16 AM TEMPLATE VERSION: 2025.1

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. NOT APPLICABLE

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

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

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

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

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

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

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

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

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

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

B DIVISION 2 - EXISTING CONDITIONS

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

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

C DIVISION 3 - CONCRETE

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

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

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

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

D DIVISION 4 - MASONRY

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

E DIVISION 5 - METALS

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

F DIVISION 6 - WOOD,PLASTICS & COMPOSITES

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

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

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

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

G DIVISION 7 - THERMAL & MOISTURE PROTECTION

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

7.02. SLOPE TO DRAIN: NOT APPLICABLE

7.03. WALK-PADS: NOT APPLICABLE

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

H DIVISION 8 - OPENINGS

8.01. LABELED FIRE-RATED DOORS AND FRAMES: ALL FIRE DOORS AND FRAMES SHALL BE LABELED BY AN APPROVED AGENCY PER NFPA 80, AND SHALL BE PERMANENTLY AFFIXED THERETO, AND THE LIFE OF THE LABEL AND THE ATTACHMENT THEREOF CAN REASONABLY BE EXPECTED TO EQUAL THE LIFE OF THE COMPONENT TO WHICH IT IS ATTACHED. LABELS MUST BE PROVIDED BY A MANUFACTURER THAT HAS BEEN APPROVED BY A LABORATORY OR ORGANIZATION TO PROVIDE TESTING AND FOLLOW-UP SERVICES FOR FIRE-RATED OPENING ASSEMBLIES. ALL LABELS SHALL INCLUDE THE FIRE RESISTANCE RATING IN HOURS AND/OR MINUTES. LABELS ON FRAMES WITH TRANSOMS AND/OR SIDELIGHTS MUST IDENTIFY THAT THE OPENING ASSEMBLY INCLUDES SAME.
- (A) LABELS SHALL BE RAISED OR EMBOSSED ON METAL LABELS.
- (B) PLASTIC OR PAPER LABELS ARE UNACCEPTABLE.
- (C) LABELS MUST BE VISIBLE AND LEGIBLE AT ALL TIMES AND SHALL NOT BE PAINTED.
  1. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL REQUIRE PAINTER TO REIMBURSE OWNER FOR COSTS OF RE-LABELING RATED DOORS AND FRAMES.

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

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

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

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

8.06 LEAD-LINED DOORS AND HOLLOW METAL FRAMES: THESE DOORS ARE VERY HEAVY AND REQUIRE ADDITIONAL STRUCTURAL SUPPORT TO PREVENT SAGGING. TYPICALLY THIS WILL REQUIRE HEAVY GUAGE (16 GA.) BOX-FRAMED AND WELDED STEEL STUD POSTS AT THE HINGE-SIDE JAMB. SEE DRAWING G1.22 AND SPECIFICATION SECTION 09 2216 "NON-STRUCTURAL METAL FRAMING" FOR FURTHER INFORMATION.

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 - NOT APPLICABLE

J DIVISION 10 - SPECIALTIES

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

K DIVISION 11 - EQUIPMENT

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

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

11.03. VENDOR DRAWINGS: WHEN APPLICABLE, VENDOR'S SITE-SPECIFIC INSTALLATION DRAWINGS WILL BE PROVIDED TO THE CONTRACTOR FOR INFORMATION. EQUIPMENT INSTALLATION WILL BE BY THE RESPECTIVE VENDOR/S HOWEVER, THESE DRAWINGS ASSIGN RESPONSIBILITY TO GENERAL, AND OTHER CONTRACTOR/S, FOR WORK REQUIRED FOR A COMPLETE INSTALLATION THAT IS NOT PERFORMED BY THE VENDOR. GENERAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THESE RESPONSIBILITIES AND INCLUDE ALL WORK NECESSARY FOR A COMPLETE INSTALLATION.

L DIVISION 12 - FURNISHINGS

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

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

M DIVISION 13 - SPECIAL CONSTRUCTION

13.01. RF (RADIO-FREQUENCY) SHIELDED ENCLOSURES: NOT APPLICABLE

13.02. LEAD SHIELDING REQUIREMENTS: NOT APPLICABLE

N DIVISION 14 - CONVEYING SYSTEMS

14.01. STRUCTURAL FOUNDATION COORDINATION: NOT APPLICABLE

14.02. STRUCTURAL CONCRETE WALL COORDINATION: NOT APPLICABLE

14.03. STRUCTURAL CMU WALL COORDINATION: NOT APPLICABLE

14.04. ELECTRICAL COORDINATION: NOT APPLICABLE

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.

GMC

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11 North Water Street, Suite 15250
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T 251.460.4006
GMCNETWORK.COM

ISSUE	DATE
IFB SET	10/26/2026

DRAWN BY: H.S.
CHECKED BY: J.W.

BISHOP STATE COMMUNITY COLLEGE MARITIME TRAINING CENTER RENOVATION
925 DAUPHIN ISLAND PKWY,
MOBILE, AL 36605

ACCS: 2025 144 BISHOP
GMC AMOB260006

STATE OF ALABAMA · 5955 · James R. Walker · MOBILE ALABAMA · REGISTERED ARCHITECT

GENERAL NOTES

G0.10

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 AS APPLICABLE. DURING CONSTRUCTION THE GENERAL CONTRACTOR SHALL BE MINDFUL OF THESE ACCESSIBILITY REQUIREMENTS INCLUDING MOUNTING HEIGHTS AND FLOOR MANEUVERING CLEARANCES AND, IN THE EVENT THAT FIELD CONDITIONS WILL NOT ALLOW FOR ACCESSIBILITY REQUIREMENTS TO BE MAINTAINED IN A PARTICULAR CONDITION OR INSTALLATION, CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR FURTHER DIRECTION PRIOR TO PROCEEDING.

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

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

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

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

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

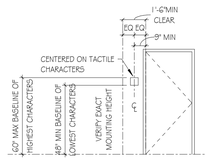
ABBREVIATIONS AND ACRONYMS

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

ACCESSIBLE PLUMBING ELEMENTS AND FACILITIES - ELEVATION VIEW

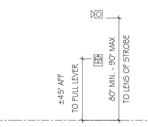
IMPORTANT NOTE: ALL HEIGHTS GIVEN BELOW ARE FROM FACE OF FLOOR FINISH (NOT FROM FINISH SLAB)

ADA INTERIOR SIGNAGE



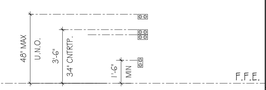
LATCH SIDE OR NEAREST ADJACENT WALL

FIRE ALARM W / STROBE



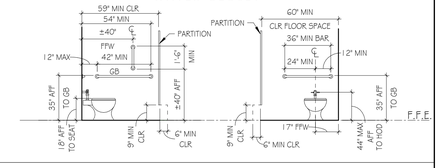
IF CEILING DOES NOT PERMIT 80" VERIFY HEIGHT W / ARCH

ELECTRICAL DEVICES

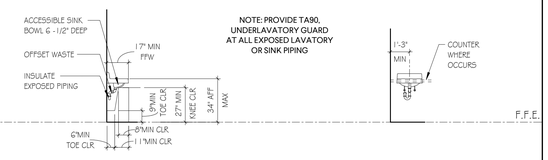


*NOTE: ROTATE ELECTRICAL COVER PLATES HORIZONTAL IF COUNTERTOP IS ABOVE 42" HIGH

WATER CLOSET

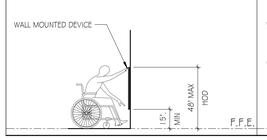


LAVATORY OR VANITY SINK

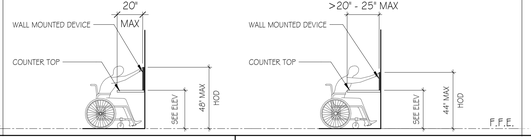


TYPICAL REACH RANGES

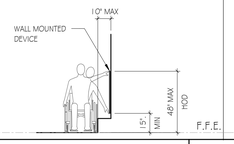
UNOBSTRUCTED FORWARD REACH



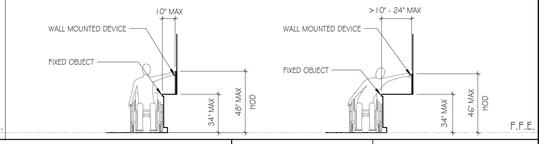
OBSTRUCTED HIGH FORWARD REACH



UNOBSTRUCTED SIDE REACH

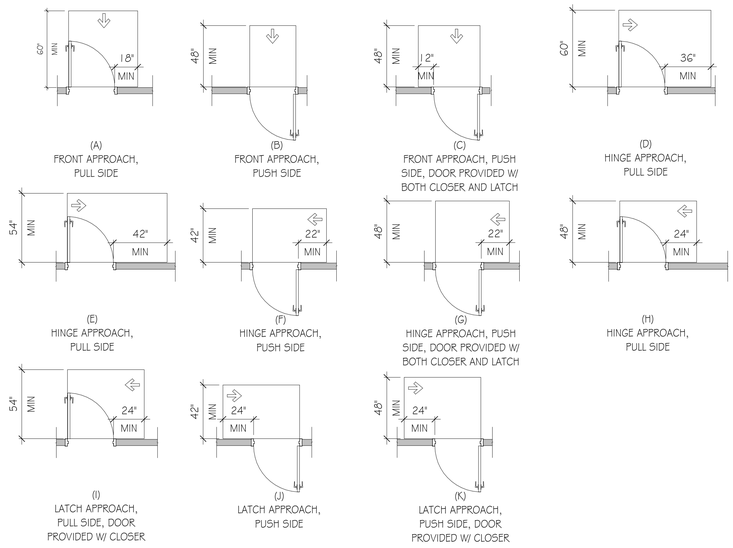


OBSTRUCTED HIGH SIDE REACH

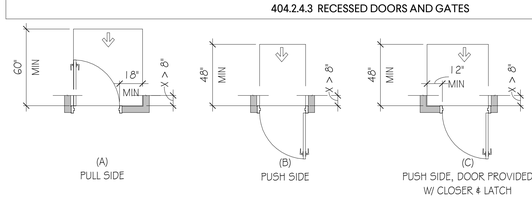


DOOR AND GATE MANEUVERING CLEARANCES

404.2.4.1 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

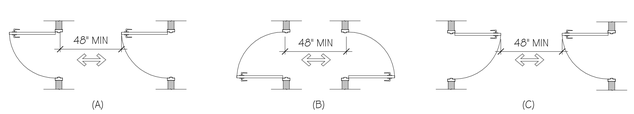


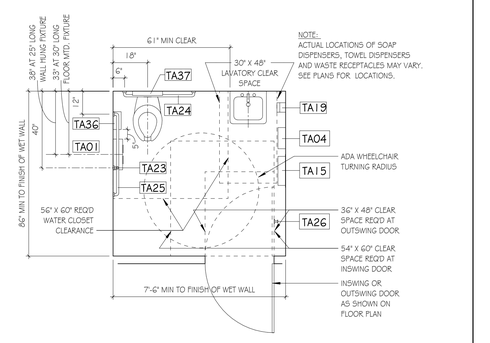
404.2.4.3 RECESSED DOORS AND GATES



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.

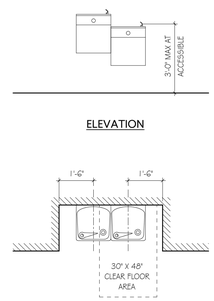
404.2.4.6 DOORS IN SERIES AND GATES IN SERIES



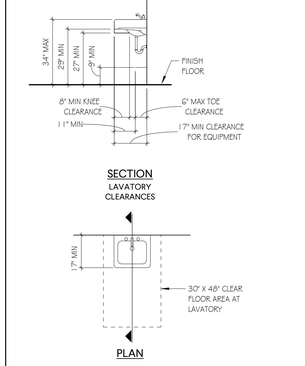


ACCESSIBLE TOILET ROOM TYPE 1

INSWING OR OUTSWING DOOR ON FRONT WALL



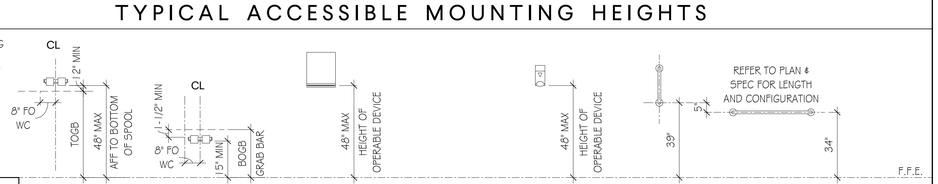
FOUNTAIN / COOLER - HI-LO



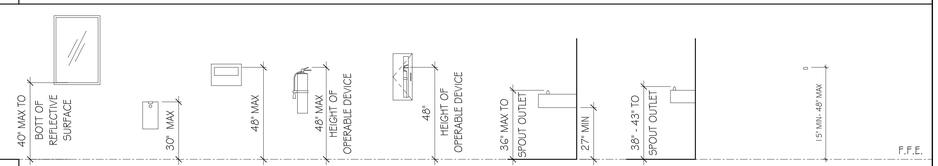
ACCESSIBLE LAVATORY

FRONT APPROACH

TYPICAL ACCESSIBLE MOUNTING HEIGHTS



TOILET ACCESSORY TYPE	TOILET TISSUE HOLDER	PAPER TOWEL DISPENSER	SOAP DISPENSER	GRAB BAR VERTICAL	GRAB BAR HORIZONTAL NOTE: TOP OF GRAB BAR MAY BE 36" WHERE USED WITH TANK TOILETS
DRAWING DESIGNATION	TA01	TA04	TA19	18" TA23	36" TA24 42" TA25



TOILET ACCESSORY TYPE	MIRROR ADA	SANITARY NAPKIN DISPOSAL	TOILET SEAT COVER DISPENSER	FIRE EXTINGUISHER	FIRE EXTINGUISHER CABINET	E.W.C. (ACCESSIBLE)	E.W.C. (STANDARD)	RESTROOM DOOR HOOK
DRAWING DESIGNATION	TA31	TA36	TA37	FE	FEC			TA26

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

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ISSUE | DATE
IFB SET | 10/26/2026

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CHECKED BY: J.W.

BISHOP STATE COMMUNITY COLLEGE MARITIME TRAINING CENTER RENOVATION
925 DAUPHIN ISLAND PKWY.
MOBILE, AL 36605

ACCS: 2025.144 BISHOP
GMC: AMOB260006

STATE OF ALABAMA
REGISTERED ARCHITECT
9955
JAMES WILLIAM LOCKE
ALABAMA

ACCESSIBILITY DATA & PLUMBING LAYOUTS

G0.30

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OCCUPANT LOAD BY ROOM AREA (PER SMOKE COMPARTMENT)

SM. COMP.	ROOM NAME	RM. NO.	ROOM/OCCUPANCY USE	SF/ PERSON	AREA	OCC. LOAD
	Area	07	BUSINESS AREAS - IBC 2018	150	17734 SF	118 SF
: 1					17734 SF	118 SF
					17734 SF	118 SF

OVERALL BUILDING AREA

LEVEL	AREA (GROSS SQUARE FEET)
1	17,734 GSF
TOTAL	17,734 GSF

APPLICABLE CODES & REGULATIONS

2021	INTERNATIONAL BUILDING CODE (IBC)
2021	INTERNATIONAL FUEL GAS CODE (IFGC)
2021	INTERNATIONAL MECHANICAL CODE (IMC)
2021	INTERNATIONAL PLUMBING CODE (IPC)
2021	INTERNATIONAL FIRE CODE (IFC)
2020	NATIONAL ELECTRICAL CODE (NEC)
2018	INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2013	ANSI/ASHRAE/IESNA STANDARD 90.1
2010	STANDARDS FOR ACCESSIBLE DESIGN

OCCUPANCY CLASSIFICATION — IBC CH 3

OCCUPANCY	PRIMARY : BUSINESS - EDUCATIONAL OCCUPANCIES FOR STUDENTS ABOVE THE 12TH GRADE INCLUDING HIGHER EDUCATION LABORATORIES

SPECIAL REQUIREMENTS — IBC CH 4

CONSTRUCTION CLASSIFICATION — IBC CH 5

CONSTRUCTION TYPE	TYPE IIB - SPRINKLERED	
HEIGHT	ALLOWABLE: 75 FEET	ACTUAL: EXISTING BUILDING
# OF STORIES	ALLOWABLE: 3	ACTUAL: 1
HEIGHT MODIFICATIONS	EXISTING BUILDING	
AREA PER FLOOR	ALLOWABLE: 23,000 SF/STORY	ACTUAL: LEVEL 1 - 17,734 SF GROSS

FIRE RESISTANCE - STRUCT. ELEMENTS — IBC CH 6

RESISTANCE REQUIRED BY IBC TYPE TABLE 601

CONSTRUCTION TYPE : IIB

	RESISTANCE REQUIRED	RESISTANCE PROVIDED	
		RATING	ACHIEVED BY
BUILDING ELEMENT - STRUCTURAL			
PRIMARY STRUCTURAL FRAME (PER CH 2 WITH RATING NOT LESS THAN CH 7)			
COLUMNS STRUCTURAL MEMBERS HAVING DIRECT CONNECTION TO COLUMNS - BEAMS, GIRDERS, TRUSSES, AND SPANDRELS	0 HR	0 HR	UL #
BEARING WALLS			
EXTERIOR WALLS (RATING NOT LESS THAN CH 6 OR CH 7)	0 HR	0 HR	UL #905
INTERIOR WALLS	0 HR	0 HR	UL #905
NON BEARING WALLS AND PARTITIONS			
EXTERIOR WALLS (BASED ON FIRE SEPARATION DISTANCE PER CH 6)	0 HR	0 HR	UL #
NON BEARING WALLS AND PARTITIONS			
INTERIOR WALLS (RATING NOT LESS THAN REQUIRED BY SECTIONS OTHER THAN SECTION 6)	0 HR	0 HR	UL #
FLOOR CONSTRUCTION AND SECONDARY MEMBERS (PER CH 2)			
FLOOR CONSTRUCTION HAVING DIRECT CONNECTIONS TO THE COLUMNS	0 HR	0 HR	UL #
ROOF CONSTRUCTION AND SECONDARY MEMBERS (PER CH 2)			
ROOF CONSTRUCTION HAVING DIRECT CONNECTIONS TO THE COLUMNS	0 HR	0 HR	UL #

FIRE RESISTANCE - WALLS & PARTITIONS — IBC CH 7

WALLS AND PARTITIONS	IBC TBL. 716.5	OPENING PROTECTION	RESISTANCE PROVIDED RATING	RESISTANCE PROVIDED ACHIEVED BY
SHAFT ENCLOSURES				
* LESS THAN 4 STORIES	1 HR	N/A	N/A	N/A
* 4 OR MORE STORIES	2 HR	N/A	N/A	N/A
FIRE WALLS	TBD	N/A	N/A	N/A
HORIZONTAL EXITS	TBD	N/A	N/A	N/A
EXIT PASSAGEWAYS	TBD	N/A	N/A	N/A
SMOKE BARRIERS	1 HR	N/A	N/A	N/A
STORM SHELTER WALLS * CAST IN PLACE CONCRETE PER IBC CH 7 TABLE 720.1(2), RESISTANCE BY MATERIAL THICKNESS	1 HR	N/A	N/A	N/A
ACCESSORY / INCIDENTAL USE				
* FURNACE RM W/ 400,000 BTU/HR INPUT EQMT	1 HR	N/A	N/A	N/A
* BOILER RM W/ 15 PSI & 10 HP EQMT	1 HR	N/A	N/A	N/A
* REFRIGERANT MACHINERY RM	1 HR	N/A	N/A	N/A
* HYDROGEN CUTOFF RM	1 HR	N/A	N/A	N/A
* INCINERATOR RM	2 HR	N/A	N/A	N/A
* PAINT SHOP	2 HR	N/A	N/A	N/A
* LABS & VOCATIONAL SHOPS	1 HR	N/A	N/A	N/A
* WASTE & LINEN RMS > 100 SF	1 HR	N/A	N/A	N/A
* STATIONARY STORAGE BATTERY SYSTEMS	1 HR	N/A	N/A	N/A
* FIRE PUMP RM	1 HR	N/A	N/A	N/A

MEANS OF EGRESS

MAXIMUM ALLOWABLE	BUSINESS IIB	
TRAVEL DISTANCE TO EXIT	250 FT EQUIPPED W/ SPRINKLER SYSTEM	
COMMON PATH OF TRAVEL	75 FT	
DEAD END LENGTH	50 FT	
EGRESS OCCUPANTS (DESIGN LOAD)	LEVEL 1: CALCULATION VALUES OCC TYPE : IIB	OCCUPANCY COUNT 118
	LEVEL 1 TOTAL OCCUPANTS = 118 OCCUPANTS	
EGRESS WIDTH	REQUIRED: 0.2" PER OCCUPANT X OCCUPANTS = 23.6"	PROVIDED: 238"

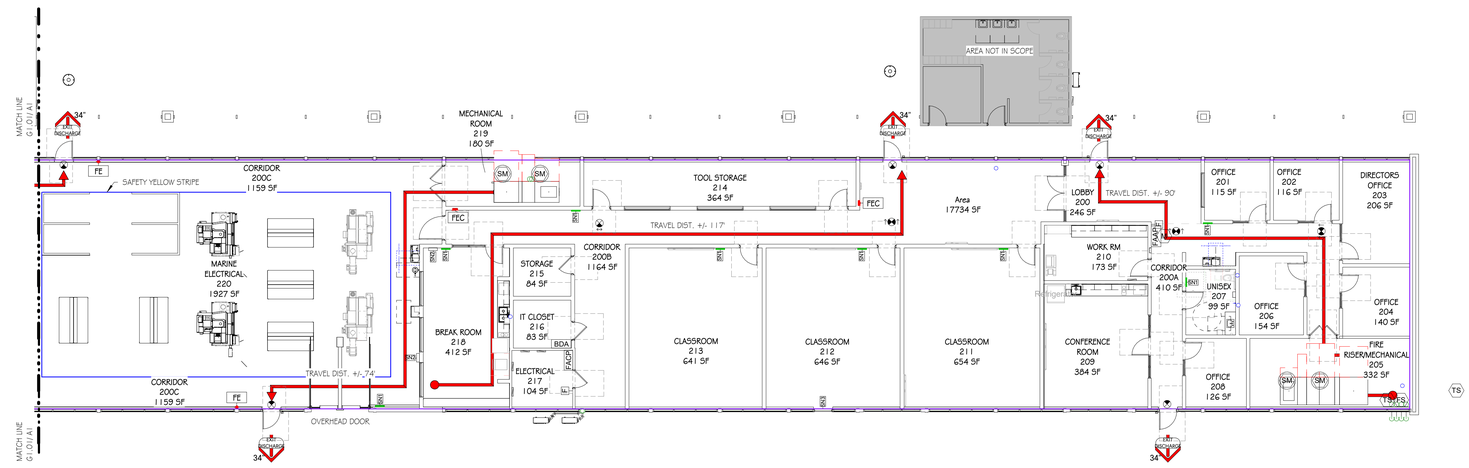
PLUMBING FIXTURE TABULATIONS

OCCUPANCY	OCCUPANT LOAD (ACTUAL)	ACTUAL LOAD CALCULATIONS WC M	WC F	WC U/SX	LAV M	LAV F	LAV U/SX	BATH/ SHOWER	DRINKING FOUNTAIN	SVC SINKS
B BUSINESS	118 59 EA M F	2.18	2.18	-	1.475	1.475	-	-	1.18	1
TOTAL REQUIRED		3.00	3.00	-	2.00	2.00	-	-	2.00	1
TOTAL PROVIDED		4.00	4.00	1	3.00	3.00	1	-	4.00	1

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, UNCONCENTRATED".

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.

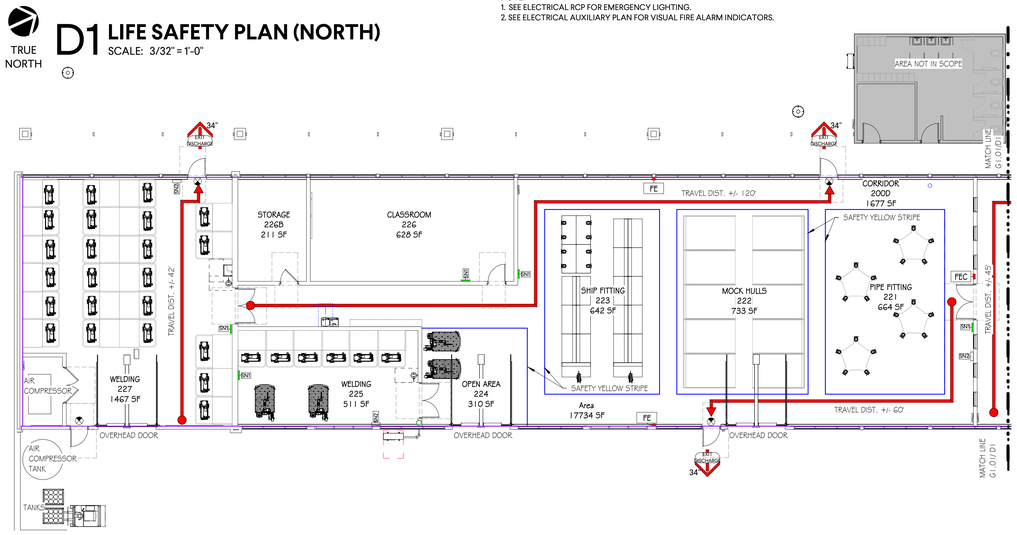


TRUE NORTH

D1 LIFE SAFETY PLAN (NORTH)

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

NOTE:
1. SEE ELECTRICAL RCP FOR EMERGENCY LIGHTING.
2. SEE ELECTRICAL AUXILIARY PLAN FOR VISUAL FIRE ALARM INDICATORS.



TRUE NORTH

A1 LIFE SAFETY PLAN (SOUTH)

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

LIFE SAFETY SIGNAGE LEGEND

SN1	EMERGENCY EVACUATION MAP SIGNAGE (QTY: 13)
SN2	DOOR WITH MANUAL CLOSURE SIGNAGE
SN3	NOT AN EXIT SIGNAGE
AID	FIRST AID KIT

PLAN LEGEND

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

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IFB SET 10/28/2026

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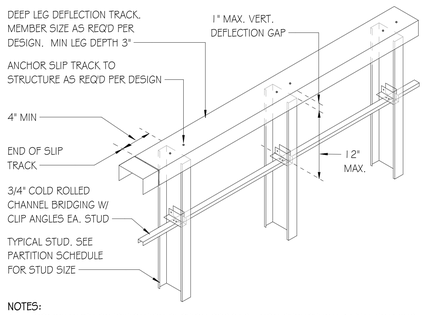
ACCS: 2025 144 BISHOP
GMC AMOB260006

STATE OF ALABAMA
JAMES W. WOLF
9953
REGISTERED ARCHITECT
MOBILE, ALABAMA

LIFE SAFETY - CODE ANALYSIS

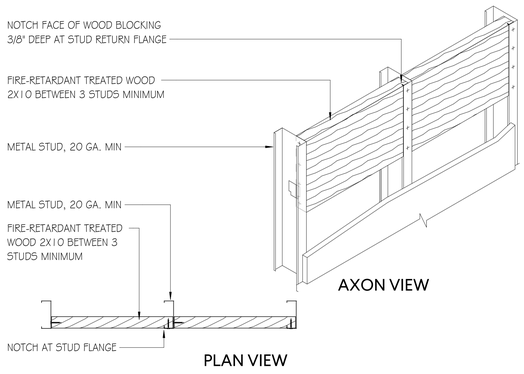
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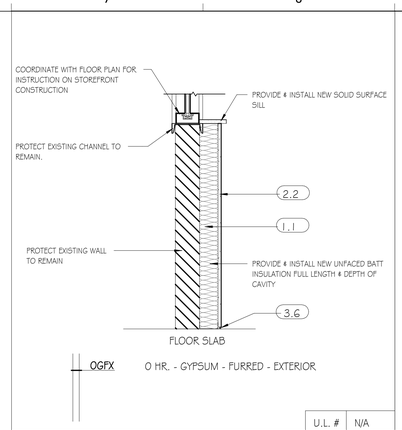


NOTES:
1. COMPLY WITH SPECIFICATION SECTION 092216 - NON-STRUCTURAL METAL FRAMING.
2. PROVIDE 3/4" CR CHANNEL BRIDGING AT 12" MAX. FROM TOP OF WALL.
3. PROVIDE ADDITIONAL 3/4" CR CHANNEL BRIDGING AT 48" OC VERT AT FULL HEIGHT ONE-SIDED PARTITIONS (GYP BOARD ONE SIDE ONLY), OR AS REQ'D PER DESIGN.

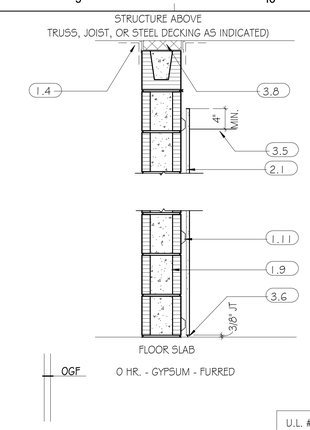
H1 SLIP TRACK DETAIL
SCALE: 1 1/2" = 1'-0"



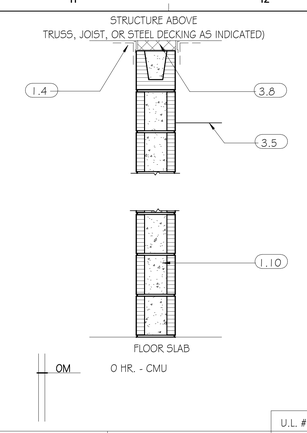
H4 BLOCKING DETAIL
SCALE: 1 1/2" = 1'-0"



DRAWING MARK	DESCRIPTION	STC	U.L. #
OGFX	0 HR. - GYPSUM - FURRED - EXTERIOR	N/A	N/A

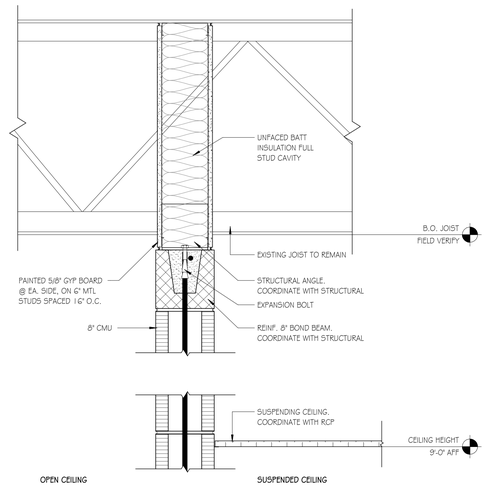


DRAWING MARK	DESCRIPTION	STC	U.L. #
OGF	0 HR. - GYPSUM - FURRED	51	U905

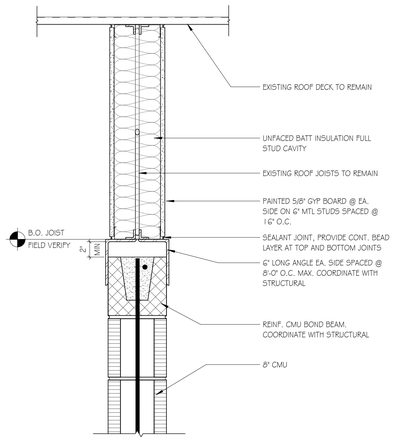


DRAWING MARK	DESCRIPTION	STC	U.L. #
0M	0 HR. - CMU	50	U905

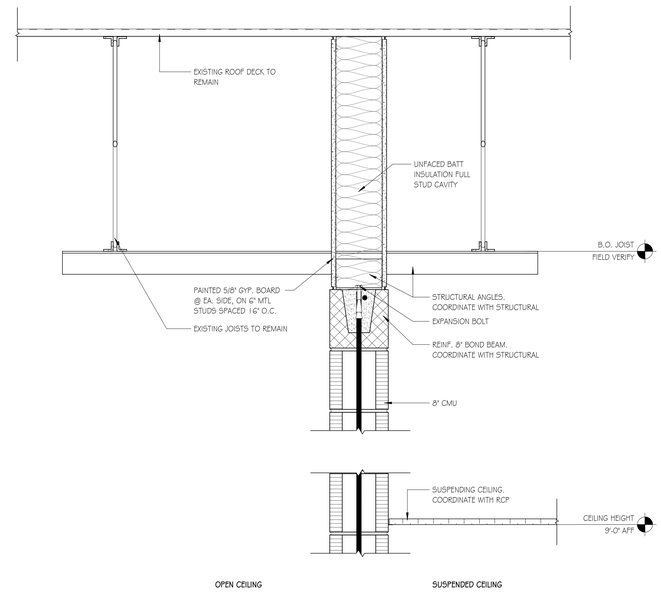
2M ONLY



E1 DETAIL - TYP. INT. WALL BRACING PERP. TO JOIST
SCALE: 1 1/2" = 1'-0"



E4 DETAIL - TYP. INT. WALL BRACING EXIST. JOIST
SCALE: 1 1/2" = 1'-0"



D7 DETAIL - INT. WALL BRACING @ OFFSET
SCALE: 1 1/2" = 1'-0"

NUMBERED NOTES

1.1 METAL STUDS 16" OC. DOUBLE-STUD JAMBS FULL HT. AT DOOR OPENINGS
1.2 SHAFTWALL STUDS 24" OC
1.3 PLUMBING CHASE. 1-5/8" METAL STUDS 16" OC IN TWO ROWS. WIDTH VARIES
1.4 DEFLECTION TRACK (0.0329" MTL. THICKNESS). MAINTAIN MIN. 1/2" STUD GAP
1.5 CONTINUOUS TOP TRACK (0.0329" METAL THICKNESS)
1.6 RESILIENT CHANNELS 24" OC VERTICAL
1.7 STUD BRACING MIN. 48 IN. OC (24" OC AT WALL-HUNG CABINETS)
1.8 STEEL STUD OR RUNNER BRACING, FULL WIDTH OF CAVITY, 48" OC VERT. MAX
1.9 NEW OR EXISTING SUBSTRATE
1.10 CMU (UL LISTED WHERE APPLICABLE). SEE STRUCTURAL FOR REINFORCING, LINTEL, AND TOP BRACING REQUIREMENTS
1.11 AT INTERIOR FURRING: 7/8 IN. HAT-SHAPED METAL FURRING
1.12 AT EXTERIOR (PERIMETER) FURRING: 2 IN. METAL Z-FURRING W/ MIN. R-8 BOARD INSUL.
2.1 ONE LAYER 5/8 IN. GYP. BD
2.2 ONE LAYER 5/8 IN. TYPE 'X' GYP. BD
2.3 TWO LAYERS 5/8 IN. TYPE 'X' GYP. BD
2.4 LEAD LINED GYP. BD. TO MIN. 7'-6" AFF ON ROOM SIDE. INSTALL 5/8" GYP. BD. ABOVE 7'-6" UP TO SCHEDULED PARTITION HEIGHT
2.5 ADD'L. LAYER LEAD-LINED GYP. BD. TO MIN. 7'-6" AFF ON ROOM SIDE. INSTALL 5/8" GYP. BD. ABOVE 7'-6" UP TO SCHEDULED PARTITION HEIGHT
2.6 1 IN. THICK GYPSUM LINER PANEL
2.7 ONE LAYER 5/8 IN. TYPE 'X' GYP. BD. EACH SIDE (ABOVE CEILING)
2.8 TWO LAYERS 5/8 IN. TYPE 'X' GYP. BD. EACH SIDE (ABOVE CEILING)
2.9 & 2.10 NOT USED
2.11 ONE LAYER 5/8" TYPE 'X' GLASS-MAT BACKER BOARD WITH THIN-SET TILE UP TO CEILING. TRANSITION TO 5/8" TYPE 'X' MR GYP BOARD FROM ABOVE CEILING TO STRUCTURE ABOVE
2.12 ONE LAYER 5/8" TYPE 'X' MR GYP. BD. PLUS ONE LAYER 5/8" TYPE 'X' GLASS-MAT BACKER BOARD WITH THIN-SET TILE UP TO CEILING. TRANSITION TO 5/8" TYPE 'X' MR GYP BOARD FROM ABOVE CEILING TO STRUCTURE ABOVE
3.1 SOUND ATTENUATION BATT INSULATION. 3.5" THICK.
3.2 SOUND ATTENUATION BATT INSULATION BOTH SIDES OF STUD CAVITY. 3.5" THICK
3.3 SOUND ATTENUATION BATT INSULATION. 3.5" THICK. DRAPE OVER & EXTEND 4 FT. EACH SIDE OF PARTITION
3.4 CEILING. SEE CEILING PLAN FOR TYPES / LOCATIONS
3.5 ACOUSTICAL CEILING PANELS. WHERE PANELS W/ COMBINED NRC/CAC RATINGS OF .70/35 (OR BETTER) ARE USED, DRAPED INSULATION MAY BE OMITTED
3.6 ACOUSTICAL SEALANT JOINT. PROVIDE CONT. BEAD UNDER EACH LAYER GYP BD
3.7 ACOUSTICAL SEALANT JOINT. AT FLUTED DECKS, COPE GYP. BD. TO UNDERSIDE OF DECK. FILL VOIDS W/ INSULATION. APPLY ACOUSTICAL SEALANT CONT. AT JOINT
3.8 UL LISTED FIRE-RESISTANCE RATED HW (HEAD OF WALL) JOINT
3.9 UL LISTED FIRE-RESISTANCE RATED BW (BOTTOM OF WALL) JOINT
3.10 EXTEND GYP BOARD TO TOP OF TRACK TO ESTABLISH A DRAFT STOP ASSEMBLY. CONDUIT TURNOUTS AND ELECTRICAL BOXES MUST STAND CLEAR OF MET. STUDS TO ALLOW FOR APPLICATION OF UNINTERRUPTED GYPSUM MEMBRANE
3.11 STEEL BENT PLATE END WALL SUPPORT. SEE JAMB/END POST DETAIL ON G1.22
3.12 WALL CAP. SEE DETAILS ELSEWHERE ON THESE DRAWINGS
4.1 INSTALL 2 LAYERS 5/8" GYP BOARD ON RADIOGRAPHY ROOM SIDE OF PARTITION (EXTEND 2ND LAYER UP TO 4" ABOVE CEILING)

GENERAL NOTES - PARTITIONS

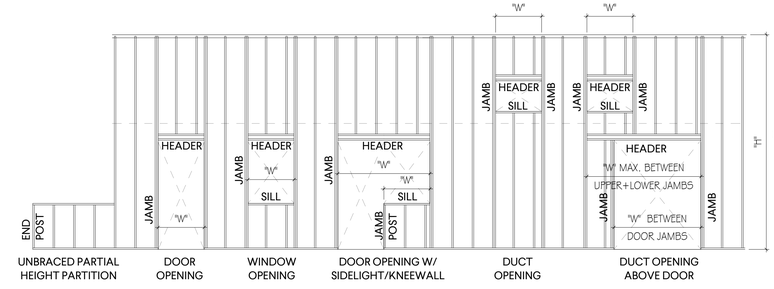
1. SOUND INSULATION
   A. INSULATION THICKNESS SHALL MATCH CAVITY DEPTH UNLESS NOTED OTHERWISE.
   B. INSULATE BEHIND RECESSED ITEMS IN ANY SCHEDULED ACOUSTIC PARTITIONS.

2. 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.

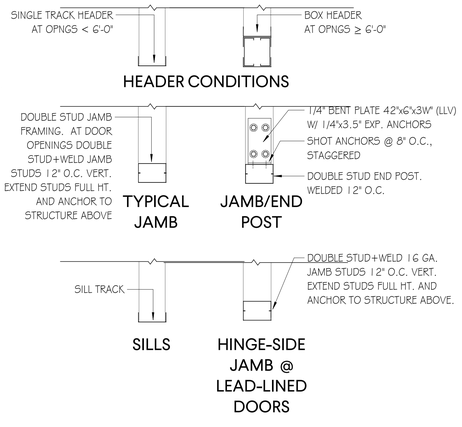
3. PARTITION COORDINATION WITH OTHER TRADES
   A. GENERAL CONTRACTOR AND SUBCONTRACTORS MUST COMPLY WITH GENERAL NOTE 9.07, PARTITION COORDINATION WITH OTHER TRADES ON DRAWING G2.01, GENERAL NOTES.

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.



A2 STUD FRAMING DETAILS
SCALE: 1 1/2" = 1'-0"

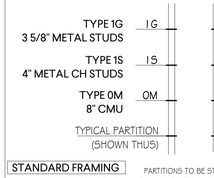


NOTES:
1. DESIGN IS BASED ON A DIFFERENTIAL INTERNAL PRESSURE OF 5 POUNDS PER SQUARE FOOT, AND AN ALLOWABLE DEFLECTION OF L/240.
2. THE STEEL STUD GAUGE IS BASED ON STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA) PROPERTIES AND PROCEDURES FOR ENGINEERING INTERIOR NON-STRUCTURAL NON-COMPOSITE FRAMING.
3. 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				

PARTITION KEY



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

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

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

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IFB SET | 10/26/2026
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ACCS: 2025 144 BISHOP
GMC: AMOB260006

STATE OF ALABAMA
JOSEPH WILLIAM
WILLIAMS
30515
REGISTERED ARCHITECT
MOBILE, ALABAMA

PARTITION TYPES & DETAILS

G2.01

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STRUCTURAL DESIGN CRITERIA

APPLICABLE CODES

2021 INTERNATIONAL BUILDING CODE

ASCE 7–16 – MINIMUM DESIGN LOADS FOR BUILDINGS & OTHER STRUCTURES

AISC 14TH EDITION – STEEL CONSTRUCTION MANUAL.

DESIGN GRAVITY LOADS

ROOF DEAD LOAD = SELF–WEIGHT
ROOF LIVE LOAD = 20 PSF
EQUIPMENT WEIGHT = AS NOTED

WIND LOADS (ASCE 7–16)

ENCLOSURE CLASSIFICATION – ENCLOSED BUILDING

WIND RISK CATEGORY = II

WIND SPEED Vult = 159 MPH Vasd = 123 MPH

WIND EXPOSURE CATEGORY = "B"

MEAN ROOF HT. = 24–FT.

SEE TABLE 1 FOR EXTERIOR COMPONENT & CLADDING DESIGN WIND PRESURES

SCHEDULE OF STRUCTURAL DRAWINGS

S2–S0.1	GENERAL NOTES
S2–S1.0	BUILDING 200 GROUND FLOOR SLAB PLAN
S2–S1.1	BUILDING 200 ROOF FRAMING PLAN
S2–S3.0	STRUCTURAL SECTIONS AND DETAILS
S2–S3.1	STRUCTURAL SECTIONS AND DETAILS
S2–S3.2	STRUCTURAL SECTIONS AND DETAILS
S2–S3.3	STRUCTURAL SECTIONS AND DETAILS

STRUCTURAL GENERAL NOTES

GENERAL:

1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, SHOP DRAWINGS AND SPECIFICATIONS.
2. ALL DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND/OR ENGINEER FOR CLARIFICATION BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.
3. A RECORD SET OF APPROVED SHOP DRAWINGS SHALL BE KEPT IN THE FIELD BY THE GENERAL CONTRACTOR.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECT'S PLANS AND THE EXISTING CONDITIONS BEFORE STARTING WORK.
5. SEE ARCHITECTURAL PLANS FOR EXACT DIMENSIONS FOR OPENINGS IN WALLS AND IN ROOF AND FLOOR SYSTEMS.
6. VERIFY ALL MECHANICAL EQUIPMENT WEIGHTS, LOCATIONS AND ASSOCIATED OPENINGS WITH MECHANICAL CONTRACTOR. NOTIFY ENGINEER IF THE ACTUAL EQUIPMENT WEIGHT EXCEEDS THE DESIGN WEIGHT SHOWN ON THE DRAWINGS.
7. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY BRACING, SHORING, GUYING, ETC. AND OTHER METHODS TO PREVENT EXCESSIVE STRESSES DURING CONSTRUCTION. THESE PROVISIONS ARE TO REMAIN IN PLACE UNTIL SUFFICIENT PERMANENT MEMBERS ARE CONSTRUCTED TO ENSURE THE SAFETY OF THE STRUCTURE.
8. UNLESS OTHERWISE NOTED, DETAILS SHOWN ON ANY DRAWING ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.

SHOP DRAWINGS:

1. THE GENERAL CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS BEFORE SUBMITTING FOR APPROVAL. SHOP DRAWINGS, REVIEWED BY THE GENERAL CONTRACTOR FOR CONCRETE MATERIALS, REINFORCING STEEL, AND STRUCTURAL STEEL SHALL BE SUBMITTED TO THE ARCHITECT AND/OR ENGINEER AND A STAMPED APPROVAL RECEIVED PRIOR TO FABRICATION. INSTALLATION SHALL BE MADE FROM APPROVED SHOP DRAWINGS ONLY.
2. REPRODUCTION & REUSE OF CONTRACT DRAWINGS FOR THE PURPOSE OF PREPARING SHOP DRAWINGS IS STRICTLY PROHIBITED. ELECTRONIC FILES OF THE STRUCTURAL FRAMING PLANS MAY BE PROVIDED FOR THE PURPOSE OF PREPARING SHOP DRAWINGS FOR A NOMINAL FEE OF $100 PER SHEET.
3. THE FABRICATOR SHALL HIGHLIGHT CHANGES MADE IN SHOP DRAWINGS WHICH DO NOT COMPLY WITH THE DESIGN DRAWINGS AND RECEIVE APPROVAL PRIOR TO COMMENCING WITH FABRICATION OF SAME.
4. SHOP DRAWING APPROVAL SHALL NOT CONSTITUTE ACCEPTANCE OF FABRICATOR CHANGES TO THE CONTRACT DOCUMENTS, ONLY GENERAL CONFORMANCE TO THE DESIGN INTENT. FABRICATOR CHANGES THAT RESULT IN MODIFICATIONS TO THE CONTRACT SUM MUST BE APPROVED IN ACCORDANCE WITH PROVISIONS CONTAINED IN THE OWNER–CONTRACTOR AGREEMENT OR PROCEDURES OUTLINED IN THE CONTRACT MANUAL.
5. ONLY SHOP DRAWINGS MARKED "APPROVED" OR "APPROVED AS NOTED" MAY BE RELEASED FOR FABRICATION. SHOP DRAWINGS WITH ANY OTHER MARKINGS MUST BE REVISED AND AN APPROVED COPY RECEIVED BY THE FABRICATOR PRIOR TO FABRICATION OF THE MATERIAL. MATERIAL FABRICATED WITHOUT PROPER APPROVAL IS SUBJECT TO REJECTION.
6. REVIEW OF SHOP DRAWINGS IS FOR CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE FABRICATOR IS RESPONSIBLE FOR DIMENSIONS AND QUANTITIES ASSOCIATED WITH THE FABRICATION OF THEIR RESPECTIVE PARTS AND PORTIONS OF THE PROJECT. MEANS AND METHODS ASSOCIATED WITH THE FABRICATION OF ANY MATERIAL SHALL REMAIN THE RESPONSIBILITY OF THE FABRICATOR AS SHALL THE RESPONSIBILITY FOR THE COORDINATION OF INSTALLATION SEQUENCES AFFECTING OTHER TRADES.

FOUNDATIONS/SOILS:

1. FOUNDATION DESIGN IS BASED ON AN ASSUMED ALLOWABLE DESIGN SOIL BEARING PRESSURE OF 1,500 PSF. THE CONTRACTOR SHALL VERIFY THE EXISTING SOIL CONDITIONS PRIOR TO START OF FOUNDATION CONSTRUCTION. THE BOTTOM OF ALL FOOTING EXCAVATIONS SHALL BE COMPACTED TO 95% MINIMUM STANDARD PROCTOR DENSITY.
2. ALL NEW FOOTINGS TO BEAR ON PROPERLY COMPACTED NATURAL SOILS AT ELEVATIONS SHOWN ON PLANS AND DETAILS.
3. ALL FOOTINGS OR PORTIONS THEREOF BELOW GRADE, MAY BE FORMED BY NEAT EXCAVATIONS. WHERE THE SIDES OF THE EXCAVATION ARE UNSTABLE OR WHERE THE SOILS SLOUGH INTO THE EXCAVATION, THEN THE SIDES OF THE FOUNDATION SHALL BE FORMED.
4. FOOTINGS TO BE CENTERED ON WALLS OR COLUMNS UNLESS NOTED OTHERWISE.
5. SET FOUNDATION LEVELS AS REQUIRED TO MAINTAIN AT LEAST 8–INCH MINIMUM EMBEDMENT OF THE FOUNDATION BELOW EXISTING GRADE.

CONCRETE WORK:

1. CONCRETE SHALL HAVE THE MINIMUM STRENGTH AND MEET THE PROPERTIES AS DESCRIBED BELOW FOR THE VARIOUS CLASSES OF CONCRETE & GROUT:

MIX TYPE	SUPER P	MAX. SLUMP **	W/C RATIO	% AIR	MAX. AGGR.	COMMENT	LOCATION
2500 PSI	N/A	8"–10"	–––––		3/8"	COARSE GROUT PER ASTM C476	CMU FILL
3000 PSI	N/A	4" MAX.	0.50 MAX.	4–6			SLABS & FOUNDATIONS
** #/# INDICATES SLUMP PRIOR TO/AFTER ADDITION OF SUPER P TO MIX.							

2. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE 2013 "ACI MANUAL OF CONCRETE PRACTICE."
3. PORTLAND CEMENT SHALL CONFORM TO ASTM C 150, TYPE I OR II.
4. ALL AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL MEET ASTM C33.
5. ALL REINFORCING TO MEET ASTM A 615, GRADE 60.
6. ALL REINFORCING SHALL BE DETAILED, FABRICATED AND PLACED PER CRSI AND ACI STANDARDS, INCLUDING CONCRETE COVER AND BAR SUPPORTS (DESIRED METHOD OF SUPPORTING TOP BARS IN THICK MATS TO BE VERIFIED WITH ENGINEER.) PROVIDE CORNER BARS AT ALL FOOTINGS AND WALL INTERSECTIONS TO MATCH HORIZONTAL REINFORCING IN SIZE AND SPACING. AT INTERSECTIONS OF CONTINUOUS AND SPREAD FOOTINGS EXTEND ALL BARS TO FAR SIDE OF INTERSECTING FOOTING. LAP BARS AT ALL SPLICES, INCLUDING CORNER BARS AND DOWELS, IN ACCORDANCE WITH SPLICE SCHEDULE, OR IN LIEU THEREOF IN ACCORDANCE WITH ACI 318 REQUIREMENTS FOR CLASS "B" TENSION LAPS, 48 BAR DIAMETERS, MIN.
7. ALL FOUNDATION REINFORCING SHALL BE SUPPORTED BY CORROSION TREATED CHAIRS, BOLSTERS, OR ACI APPROVED PRECAST REINFORCING SUPPORTS, WITH APPROPRIATE BASES OR SAND CHAIRS, DO NOT USE CMU BLOCKS, SHARDS, OR BRICKS. REINFORCING OR OTHER METAL BARS OR DEGRADABLE STAKES, DRIVEN INTO THE GROUND WILL NOT BE ALLOWED.
8. CONCRETE PROTECTION FOR REINFORCING: 3" AT FOOTINGS AND GRADE BEAMS; 2" AT FORMED SURFACES LATER EXPOSED TO SOIL;
9. NO ALUMINUM TO BE EMBEDDED IN ANY CONCRETE.
10. NO HOLES OR OPENINGS THROUGH FOOTINGS WITHOUT ENGINEERS APPROVAL.
11. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4".

MASONRY:

1. HOLLOW CONCRETE BLOCK (MASONRY) UNITS SHALL CONFORM TO ASTM C 90, LIGHTWEIGHT, TYPE 1 WITH A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI ON THE NET AREA AND 1000 PSI ON THE GROSS AREA (f'm = 1500psi).
2. ALL MORTAR FOR USE IN MASONRY SHALL CONFORM TO ASTM C 270, TYPE M OR S. ALL GROUT FOR USE IN MASONRY SHALL CONFORM TO ASTM C 476, MIN. 2500 PSI AND BE NOT LESS THAN A 7–1/2 SACK MIX.
3. IN GENERAL, COARSE AGGREGATE GROUT SHALL BE USED FOR ALL NOMINAL CMU SIZES 8" AND ABOVE. FINE AGGREGATE GROUT SHALL BE USED FOR ALL NOMINAL CMU SIZES LESS THAN 8".
4. REINFORCING BARS TO MEET ASTM A 615, GRADE 60.
5. REINFORCE MASONRY AT BEARING POINTS OF ALL BEAMS, LINTELS, ETC. WITH 1–#5 (CONTINUOUS TO FOUNDATION) IN EACH BLOCK CORE BENEATH BEARING PLATES UNLESS NOTED OTHERWISE.
6. PROVIDE AT LEAST 2 VERTICAL BARS AT EACH END, CORNERS, AND INTERSECTIONS OF ALL WALLS AND ADJACENT TO CONTROL JOINTS. SEE WALL SECTIONS AND SCHEDULES FOR TYPICAL VERTICAL REINFORCING.
7. VERTICAL AND HORIZONTAL REINFORCING SHALL BE CONTINUOUS AND LAPPED 48–BAR DIAMETERS, MINIMUM.
8. HOLD VERTICAL BARS STRAIGHT AND TRUE AND ACCURATELY LOCATED IN WALL AS DETAILED. INSTALL REBAR POSITIONERS @ 4'–0" o.c. MAXIMUM THAT ARE DESIGNED TO HOLD REBAR IN PROPER LOCATION WITHIN THE GROUTED CELL.
9. PROVIDE A MINIMUM OF 1/2" GROUT BETWEEN MAIN REINFORCING AND MASONRY UNITS.
10. PROVIDE STANDARD NO. 9 GAGE LADDER TYPE JOINT REINFORCEMENT AT 16"o.c. FOR TYPICAL HORIZONTAL REINFORCING IN BACKUP WYTHE.
11. ALL REINFORCED MASONRY COLUMN AND WALL SECTIONS REQUIRE DOWELS FROM FOOTING, SAME SIZE AND QUANTITY AS VERTICAL REINFORCEMENT.
12. GROUT FILL ALL CELLS, ALL WALLS BELOW GRADE. SLUSH JOINT BETWEEN WYTHES BELOW GRADE.
13. ALL CMU TO BE LAID IN RUNNING BOND PATTERN.
14. THE CONTRACTOR SHALL DESIGN, FABRICATE AND INSTALL BRACING THAT WILL ASSURE THE STABILITY OF THE MASONRY DURING CONSTRUCTION.
15. GROUT PLACEMENT SHALL CONFORM TO TABLE 5 OF ACI 530.1/ASCE 6/TMS 602; HOWEVER, THE MAXIMUM GROUT POUR HEIGHT SHALL NOT EXCEED 8 FEET AND THE MAXIMUM HEIGHT WHICH GROUT IS PLACED IN ONE CONTINUOUS OPERATION (GROUT LIFT) SHALL NOT EXCEED 4 FEET. THERE SHALL BE A MINIMUM OF 1 HOUR SETTING TIME BETWEEN EACH GROUT LIFT.
16. LOW–LIFT GROUTING SHALL BE USED FOR ALL REINFORCED MASONRY CONSTRUCTION. LIMIT MAXIMUM GROUT LIFTS TO 5'–0" MAX.
17. THE TOP OF EACH GROUT POUR SHALL BE 1" BELOW THE BED JOINT.
18. REINFORCEMENT, REBAR POSITIONERS, AND TIES SHALL BE PLACED PRIOR TO GROUTING.
19. CLEANOUTS SHALL BE CONSTRUCTED ADJACENT TO EACH VERTICAL BAR IN THE BOTTOM COURSE OF MASONRY FOR EACH GROUT POUR HEIGHT THAT EXCEEDS 5 FEET. CONSTRUCT CLEANOUTS WITH AN OPENING OF SUFFICIENT SIZE TO PERMIT REMOVAL OF DEBRIS, BUT NO LESS THAN 3 IN. DIMENSION. AFTER CLEANING, CLOSE CLEANOUTS WITH CLOSURES BRACED TO RESIST GROUT PRESSURE. ALL CLEANOUTS SHALL BE LOCATED ON WALL FACE NOT EXPOSED TO VIEW.

STEEL:

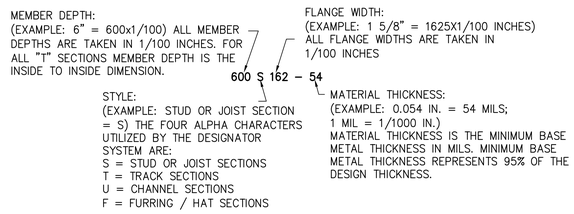
1. STRUCTURAL STEEL SHALL MEET THE LATEST AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
2. ALL TUBING TO MEET ASTM A500, GRADE B – fy = 46ksi. ALL ANGLES AND CHANNELS TO MEET ASTM A36 – fy = 36ksi.
3. ALL BOLTS TO MEET ASTM A325 HIGH STRENGTH, WITH WASHERS AS REQUIRED, (EXCEPT ANCHOR BOLTS TO MEET ASTM F1554 GRADE 55).
4. ALL BEAMS AND DIAGONAL BRACING SHALL NOT BE RELEASED FROM THE HOIST CABLE UNTIL THE MEMBER IS SECURED BY A MINIMUM OF TWO BOLTS PER END.
5. WELDING SHALL CONFORM TO THE STANDARDS SET FORTH IN AWS D1.0 PUBLICATION "CODE FOR WELDING IN BUILDING CONSTRUCTION".
6. ALL SHOP CONNECTIONS TO HAVE 1/4" FILLET WELDS MINIMUM UNLESS NOTED AS BOLTED CONNECTIONS.
7. CONNECTIONS OF MATERIAL IN THE FIELD SHALL BE WITH A 1/4" FILLET WELD MINIMUM UNLESS NOTED OTHERWISE. MATERIAL SHOWN TOUCHING SHALL BE CONNECTED WITH 1/4" CONTINUOUS FILLET WELDS UNLESS NOTED OTHERWISE.
8. ALL FIELD WELDS TO BE WITH E70XX ELECTRODES. BRUSH AND CLEAN ALL FIELD WELDS AND COAT WITH A COLD–GALVANIZING REPAIR PRIMER.
9. ALL ERECTION DRAWINGS SHALL SHOW ALL FIELD WELDS REQUIRED.
10. ELEVATIONS FOR TOP OF STEEL ARE NOTED ON DRAWINGS. BEAMS FRAME FLUSH AT TOP UNLESS NOTED (+/–).
11. ALL STRUCTURAL STEEL SHALL HAVE THE FOLLOWING SURFACE PREPARATION IN ACCORDANCE WITHT HE STRUCTURAL STEEL PAINTING COUNCIL REQUIREMENTS FOR THE FOLLOWING GRADE: SSPC–SP3 "POWER TOOL CLEANING".
12. ALL STRUCTURAL STEEL SHALL BE SHIPPED WITH ONE COAT OF SHOP PRIMER EXCEPT THOSE MEMBERS THAT ARE NOTED TO BE HOT–DIPPED GALVANIZED.
13. THE STEEL FRAME IS "NON–SELF SUPPORTING". ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR UNTIL REQUIRED CONNECTIONS OR ELEMENTS ARE IN PLACE.
14. THE FOLLOWING MINIMUM INSPECTION SHALL BE PROVIDED FOR FIELD WELDS:

    a. FIELD WELDED CONNECTIONS – 100% VISUAL INSPECTION

15. CAP ALL OPEN ENDED HSS SECTIONS WITH A PLATE EQUAL TO THE WALL THICKNESS (1/4" MIN. THK.) AND SEAL WITH A 1/4" FILLET WELD ALL AROUND, UNO.

COLD–FORMED METAL FRAMING:

1. ALL COLD–FORMED STEEL FRAMING SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH THE LATEST EDITION OF "SPECIFICATIONS FOR THE DESIGN OF COLD–FORMED STEEL STRUCTURAL MEMBERS" BY THE AMERICAN IRON AND STEEL INSTITUTE. STEEL FOR 14 AND 16 GAGE FRAMING MEMBERS SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI. STEEL FOR ALL OTHER COLD–FORMED METAL FRAMING AND ACCESSORIES SHALL HAVE A MINIMUM YIELD STRENGTH OF 33 KSI, U.N.O.
2. ALL COLD FORMED METAL FRAMING SHALL BE FORMED FROM GALVANIZED METAL WITH A MINIMUM G60 COATING.
3. ALL STUDS IN LOAD BEARING WALLS SHALL BE ACCURATELY CUT TO BEAR ON THE TOP & BOTTOM TRACKS. THE MAXIMUM GAP BETWEEN THE STUD AND THE TOP/BOTTOM TRACK SHALL NOT EXCEED 1/16–INCH.
4. ATTACH RUNNERS TO SUPPORTING CONCRETE CONSTRUCTION WITH 0.157" DIAMETER LOW–VELOCITY POWDER–DRIVEN FASTENERS @ 16"o.c. WITH 1–INCH MINIMUM PENETRATION. FASTENER TO HAVE 250 POUND SAFE WORKING LOAD IN SHEAR.
5. ATTACH RUNNERS TO SUPPORTING CONCRETE MASONRY CONSTRUCTION WITH 0.157" DIAMETER LOW–VELOCITY POWDER–DRIVEN FASTENERS @ 6"o.c. WITH 1–INCH MINIMUM PENETRATION. FASTENER TO HAVE 85 POUND SAFE WORKING LOAD IN SHEAR. FASTENERS SHALL NOT BE INSTALLED IN MORTAR JOINTS.
6. ALL RUNNERS AND FRAMING MEMBERS IN DIRECT CONTACT SHALL BE FASTENED TOGETHER WITH TWO #8 FRAMING SCREWS MINIMUM, UNLESS OTHERWISE NOTED.
7. POSITION ALL STEEL STUDS INSIDE RUNNERS AND ANCHOR EACH STUD TO RUNNERS WITH FOUR #8 FRAMING SCREWS, TWO SCREWS AT EACH END WITH ONE SCREW IN EACH FLANGE.
8. ALL WALL STUDS ARE TO HAVE STANDARD PREPUNCHED HOLES IN WEBS. PREPUNCHED HOLES SHALL NOT BE LOCATED WITHIN 10 INCHES OF THE STUD SUPPORT LOCATIONS.
9. PROVIDE 1 1/2" 16 GAUGE COLD ROLLED CHANNEL LATERAL STUD BRACING AT MAX. 4–FT. INTERVALS. ATTACH LATERAL STUD BRACING TO EACH STUD AS RECOMMENDED BY METAL MANUFACTURER.
10. USE FLUX COVERED, MILD STEEL ELECTRODES AWS E–6012, E–6013, OR E–7014 FOR WELDING STEEL STUDS. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE AWS PROCEDURES. CONSULT MANUFACTURER FOR EQUIPMENT RECOMMENDATIONS AND PROPER ELECTRODE SELECTION. TOUCH UP WELDED AREAS WITH A GALVANIZED REPAIR PRIMER.
11. COORDINATE FRAMING MEMBER LOCATIONS TO PROVIDE CONTINUOUS PERIMETER EDGE SUPPORT FOR SHEATHING.



TYPICAL COLD FORM METAL FRAMING DESIGNATION

TABLE–1
4:12 HIP ROOF
MEAN ROOF HT. = 25–FT.

ZONE		TRIB. AREA	WIND COMPONENT PRESSURE POSITIVE (+)	NEGATIVE (–)	OVERHANG
ROOF	1	10	+32.2	–54.2	———
		20	+27.8	–54.2	———
		50	+22.0	–48.0	———
		100	+17.6	–43.2	———
	2r	10	+32.2	–94.5	———
		20	+27.8	–85.2	———
		50	+22.0	–72.8	———
		100	+17.6	–63.5	———
	2e, 3	10	+32.2	–72.5	–106.2
		20	+27.8	–66.6	–101.1
		50	+22.0	–58.7	–94.4
		100	+17.6	–52.8	–89.3
WALL	4	10	+43.2	–46.9	———
		20	+41.3	–44.9	———
		50	+38.7	–42.4	———
		100	+36.8	–40.4	———
		500	+32.2	–35.9	———
	5	10	+43.2	–57.9	———
		20	+41.3	–54.0	———
		50	+38.7	–48.8	———
		100	+36.8	–44.9	———
		500	+32.2	–35.9	———

NOTES:

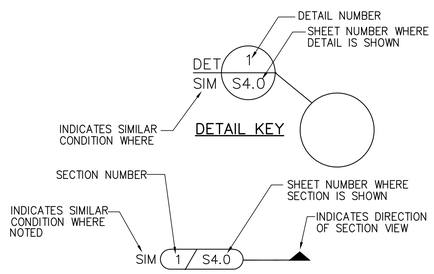
1. LOADS SHOWN IN TABLES ARE ULITMATE LEVEL WIND PRESSURES.
2. ALL PARTS AND COMPONENTS FORMING THE EXTERIOR ENVELOPE OF THE BUILDING SHALL BE DESIGNED TO RESIST THE COMPONENT & CLADDING LOADS INDICATED. POSITIVE SIGN SIGNIFIES LOADS ACTING TOWARD THE SURFACE. NEGATIVE LOADS SIGNIFY LOADS ACTING AWAY FROM THE SURFACE.
3. COMPONENT & CLADDING PRESSURES SHOWN FOR "OVERHANGS" INCLUDES WIND PRESSURE FROM BOTH UPPER AND LOWER SURFACES OF THE ROOF OVERHANG. WHERE INDEPENDENTLY FRAMED SOFFITS ARE PROVIDED, THE SOFFIT SYSTEM (UNDERSIDE OF OVERHANG) MAY BE DESIGNED USING BOTH POSITIVE AND NEGATIVE COMPONENT PRESSURES SHOWN FOR WALLS (ZONE 4 & 5).

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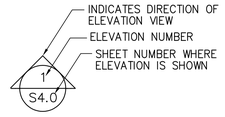
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ABBREVIATIONS:

AESS – ARCHITECTURAL EXPOSED STRUCTURAL STEEL
AFF – ABOVE FINISHED FLOOR
ARCH – ARCHITECTURAL
BC – BOTTOM CHORD
BCX – BOTTOM CHORD EXTENSION
BFF – BELOW FINISHED FLOOR
BLDG – BUILDING
BOS – BOTTOM OF STEEL
BP – BASE PLATE
BRG – BEARING
BTM – BOTTOM
BTWN – BETWEEN
CC – CENTER TO CENTER
CLR – CLEAR COVER
COL – COLUMN
CONT – CONTINUOUS
DBA – DEFORMED BAR ANCHOR
DET – DETAIL
DWG – DRAWING
EA – EACH
EF – EACH FACE
ELEV – ELEVATION
EQ – EQUAL
EW – EACH WAY
EXIST – EXISTING
EXP ANCH – EXPANSION ANCHOR
EXP. JT. – EXPANSION JOINT
FFE – FINISHED FLOOR ELEVATION
FNDN – FOUNDATION
FOC – FACE OF CONCRETE
FOM – FACE OF MASONRY
FOS – FACE OF STUD
FTG – FOOTING
GALV – GALVANIZED
HDG – HOT DIPPED GALVANIZED
HORIZ – HORIZONTAL
HSA – HEADED STUD ANCHOR
HSB – HIGH STRENGTH BOLT
JST – JOIST
LG – LONG
LLH – LONG LEG HORIZONTAL
LLV – LONG LEG VERTICAL
LLBB – LONG LEG BACK TO BACK
MAT'L – MATERIAL
MAX – MAXIMUM
MECH – MECHANICAL
MCJ – MASONRY CONTROL JOINT
MEJ – MASONRY EXPANSION JOINT
MO – MASONRY OPENINGS
MRA – MASONRY RIGID ANCHOR
MIN – MINIMUM
NIC – NOT IN CONTRACT
NTS – NOT TO SCALE
o.c. – ON CENTER
O/O – OUT TO OUT
PAF – POWER ACTIVATED FASTENER
REF – REFERENCE
REIN – REINFORCE
REQ'D – REQUIRED
SEC – SECTION
SHT – SHEET
SPC'S – SPACES
STD – STANDARD
STL – STEEL
TCX – TOP CHORD EXTENSION
TOF – TOP OF FOOTINGS
TOM – TOP OF MASONRY
TOS – TOP OF STEEL
TOW – TOP OF WALL
TYP – TYPICAL
UNO – UNLESS NOTED OTHERWISE
VERT – VERTICAL
W/ – WITH
WP – WORKING POINT
WWR – WELDED WIRE REINFORCEMENT



SECTION KEY



ELEVATION KEY

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ISSUE	DATE
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CHECKED BY: JAR

ALABAMA LICENSED No. 20131 PROFESSIONAL ENGINEER JAMES A. BUSSELL
10/26/2026

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925 DAUPHIN ISLAND PKWY,
MOBILE, AL 36605

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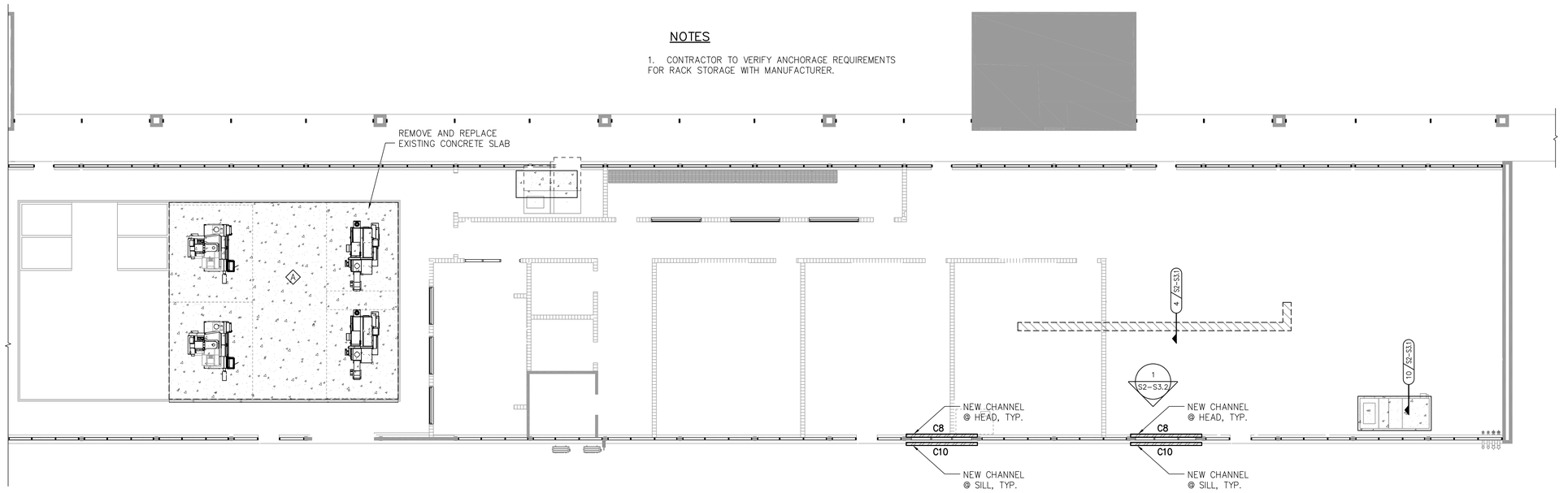
GENERAL NOTES

S2–S0.1

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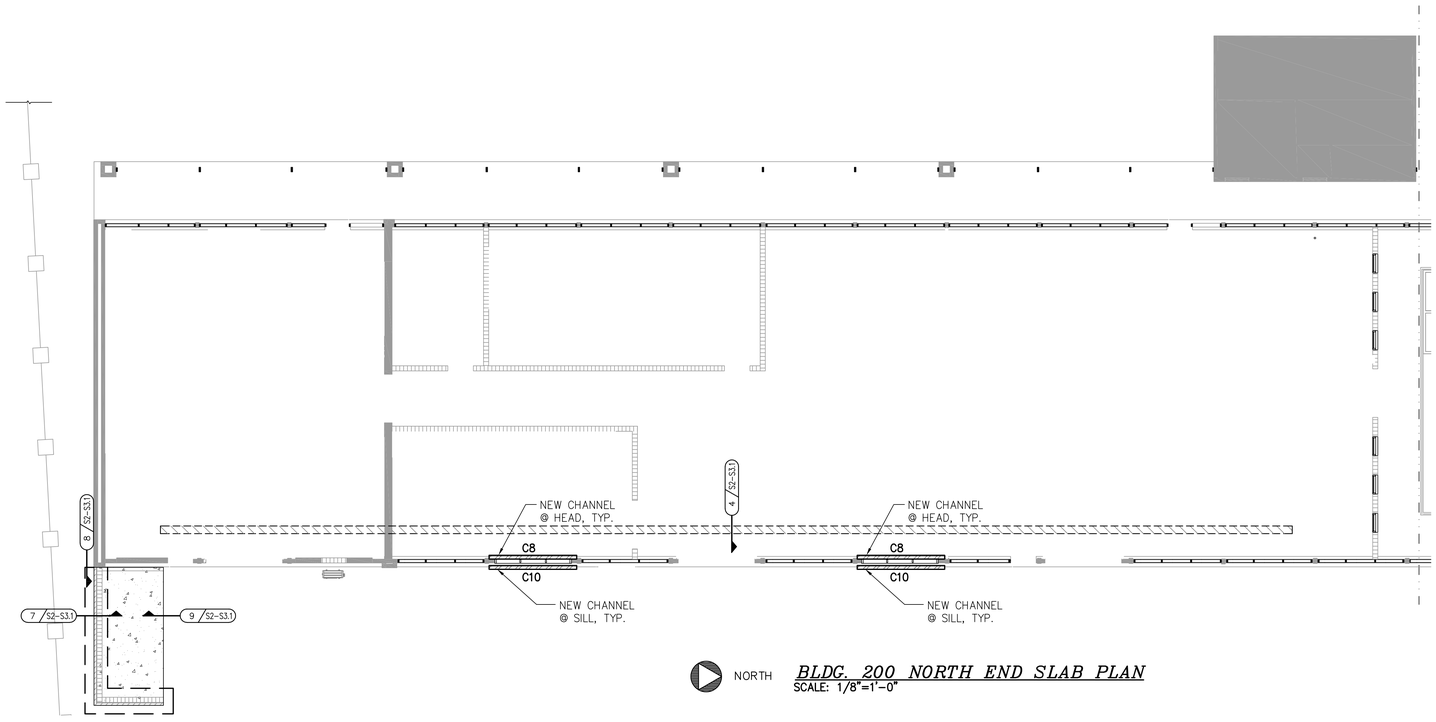
NOTES

1. CONTRACTOR TO VERIFY ANCHORAGE REQUIREMENTS FOR RACK STORAGE WITH MANUFACTURER.



NORTH

BLDG. 200 SOUTH END SLAB PLAN
SCALE: 1/8"=1'-0"



NORTH

BLDG. 200 NORTH END SLAB PLAN
SCALE: 1/8"=1'-0"

A NEW CNC SLAB CONSTRUCTION:

7" CONCRETE SLAB REINF. W/ #5@12"o.c. EACH WAY AT MID-DEPTH OF SLAB OVER 15-MIL VAPOR BARRIER AND COMPACTED SUBGRADE.

PLAN NOTES

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO FABRICATION OF NEW STRUCTURAL FRAMING.
2. CONTRACTOR TO VERIFY TOP OF FOOTING ELEVATIONS WITH FINAL GRADES. PROVIDE MINIMUM 8" CLEAR COVER OVER TOP OF FOUNDATION.
3. ALL NEW INTERIOR CMU PARTITIONS SHALL BE 8" CMU LAID IN RUNNING BOND PATTERN. REINFORCE ALL INTERIOR CMU WALLS WITH #4 @ 48"o.c. MAXIMUM.

LEGEND

000'-0"	TOP OF FOOTING ELEVATION
S	FOOTING STEP, SEE DETAIL 3/S2-S3.1

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ALABAMA LICENSED No. 20131 PROFESSIONAL ENGINEER JAMES A. RUSSELL
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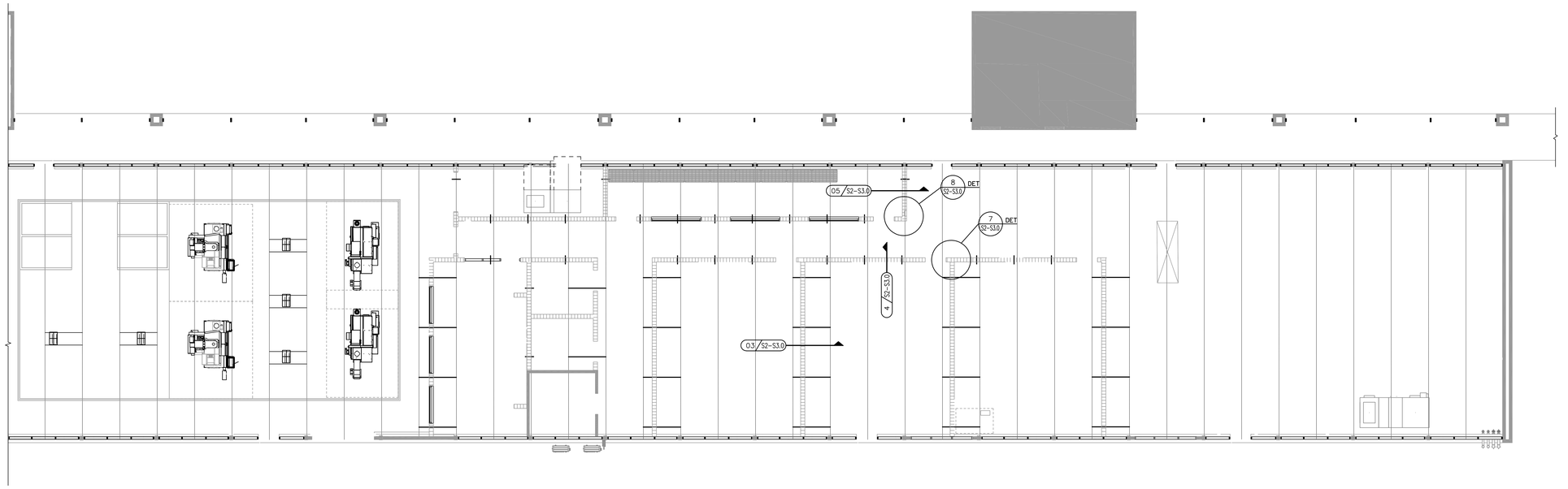
BUILDING 200 GROUND FLOOR SLAB PLAN

S2-S1.0

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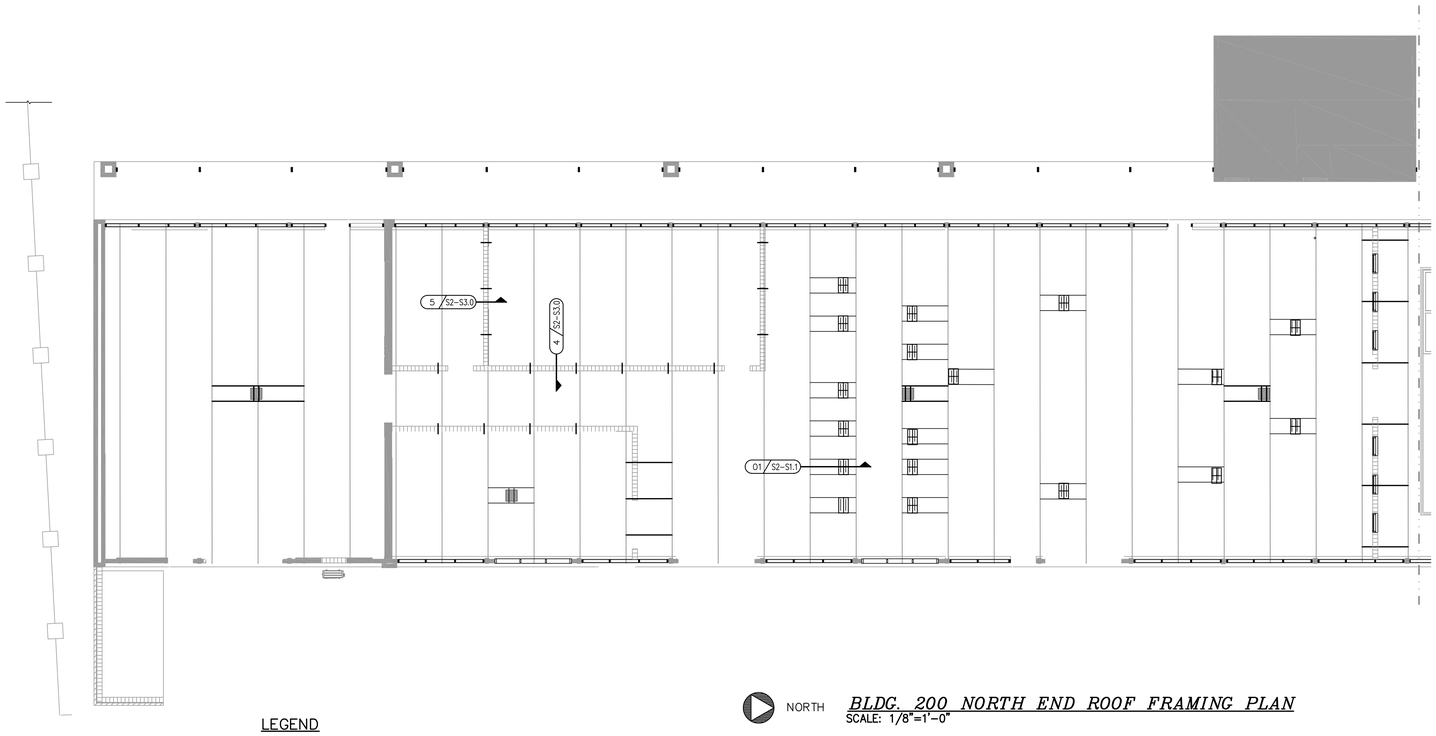
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BLDG. 200 SOUTH END ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"

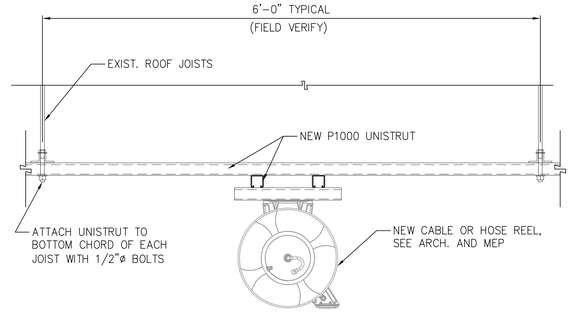


NORTH

BLDG. 200 NORTH END ROOF FRAMING PLAN
SCALE: 1/8"=1'-0"

LEGEND

- ANGLE FRAME WITH MOUNTING PLATE FOR BA FAN, SEE TYPICAL DETAIL SHEET S2S3.3
- NEW ELECTRICAL / HOSE REELS, SEE DETAIL 1/S2-S1.1
- EXISTING PULL DOWN STAIR OPEING TO REMAIN



NOTES:
1. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND ADJUST THE FINAL LOCATIONS OF THE REELS BASED ON OTHER OVERHEAD UTILITY LOCATIONS.
2. THE BOTTOM OF THE REELS SHALL BE 10'-0" ABOVE FINISHED FLOOR, MINIMUM.

TYPICAL SECTION
AT NEW CABLE AND HOSE REELS

SECTION 1 / S2-S1.1
NOT TO SCALE

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BUILDING 200 ROOF FRAMING PLAN

S2-S1.1

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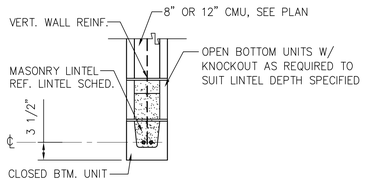
MASONRY LINTEL SCHEDULE				
WALL THICKNESS	CLEAR SPAN	LINTEL DEPTH	BOTTOM REINFORCING	TOP REINFORCING
8	4'–0" MAX.	8"	1–#5	———
8	8'–0" MAX.	16"	2–#5	———

MASONRY LINTEL NOTES:

1. GROUTED LINTEL BLOCKS IN MASONRY WALLS SHALL EXTEND A MINIMUM OF 16 INCHES BEYOND FACE OF OPENING EACH SIDE. THE FIRST VERTICAL CELL ON EACH SIDE OF THE OPENING SHALL BE GROUTED AND CONTAIN ONE VERTICAL BAR IN EACH CELL CONT. TO THE TOP OF THE WALL UNLESS NOTED OTHERWISE.
2. GROUT FOR LINTELS SHALL BE PLACED IN SINGLE LIFTS AND WITHOUT COLD JOINTS UNLESS OTHERWISE APPROVED BY THE ENGINEER.

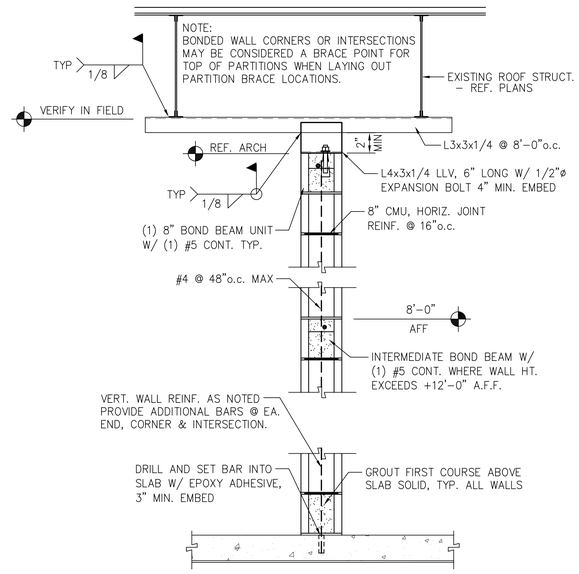
MASONRY LINTEL SCHEDULE

DETAIL 1 / S2–S3.0 — NOT TO SCALE



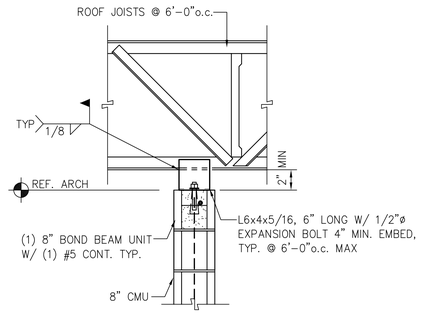
TYPICAL CMU LINTEL SECTIONS

SECTION 2 / S2–S3.0 — NOT TO SCALE



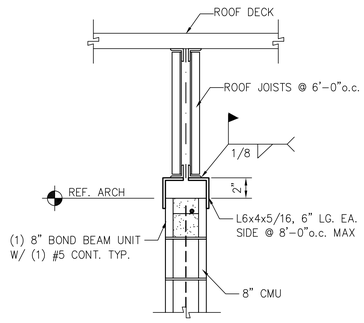
TYPICAL 8" INTERIOR NON–BEARING CMU WALLS OCCURING BETWEEN EXISTING JOISTS

SECTION 3 / S2–S3.0 — NOT TO SCALE



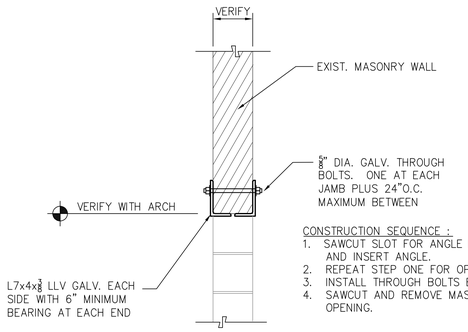
TYPICAL 8" INTERIOR CMU WALL BRACING – WALL PERPENDICULAR TO EXISTING JOISTS

SECTION 4 / S2–S3.0 — NOT TO SCALE



TYPICAL 8" INTERIOR CMU WALL BRACING – WALL CENTERED ON EXISTING JOIST

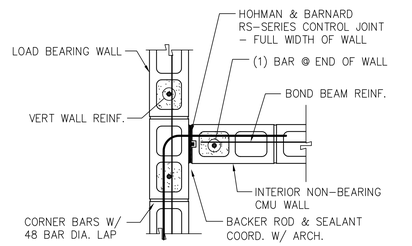
SECTION 5 / S2–S3.0 — NOT TO SCALE



CONSTRUCTION SEQUENCE :
1. SAWCUT SLOT FOR ANGLE IN ONE SIDE OF WALL AND INSERT ANGLE.
2. REPEAT STEP ONE FOR OPPOSITE SIDE OF WALL.
3. INSTALL THROUGH BOLTS BETWEEN ANGLES.
4. SAWCUT AND REMOVE MASONRY FOR NEW OPENING.

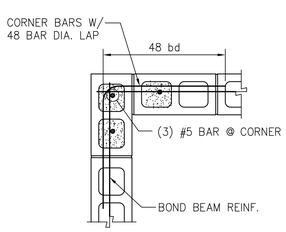
LINTEL DETAIL @ NEW EXTERIOR WALL OPENING (MAX 4'–0" ROUGH OPENING)

SECTION 6 / S2–S3.0 — NOT TO SCALE



TYPICAL DETAIL @ INTERSECTION BETWEEN INTERIOR NON–BEARING WALL & LOAD BEARING WALL

DETAIL 7 / S2–S3.0 — NOT TO SCALE



TYPICAL 8" CMU CORNER REINF.

DETAIL 8 / S2–S3.0 — NOT TO SCALE

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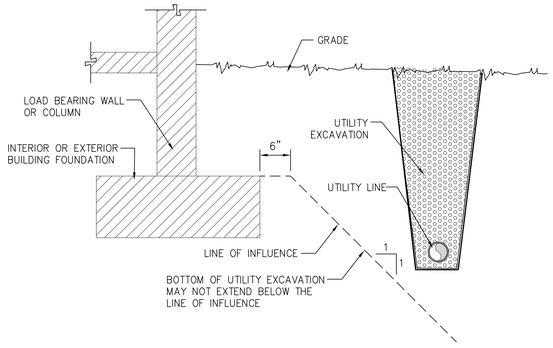
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STRUCTURAL SECTIONS AND DETAILS

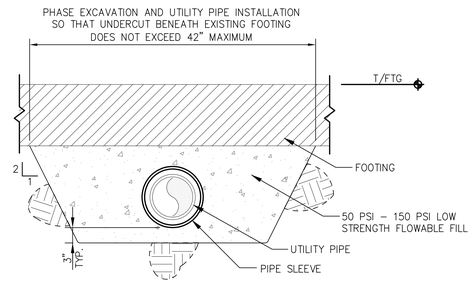
S2–S3.0

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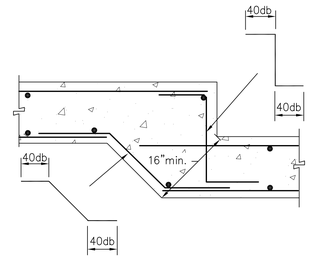
TYPICAL UTILITY EXCAVATION ADJACENT TO BUILDING FOUNDATION

DETAIL 1 / S2-S3.1 — NOT TO SCALE



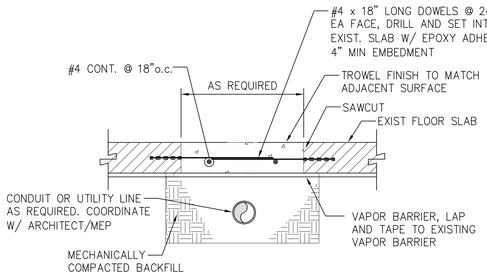
TYPICAL PIPE UNDER FOOTING

DETAIL 2 / S2-S3.1 — NOT TO SCALE



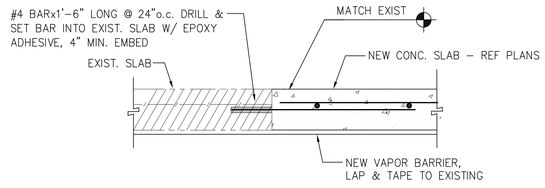
TYPICAL FOOTING STEP

DETAIL 3 / S2-S3.1 — NOT TO SCALE



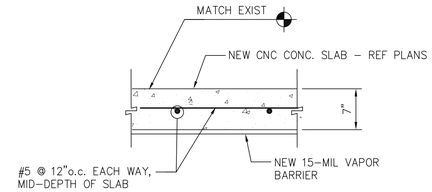
TYPICAL TRENCH DETAIL INSIDE EXISTING BUILDING

SECTION 4 / S2-S3.1 — NOT TO SCALE



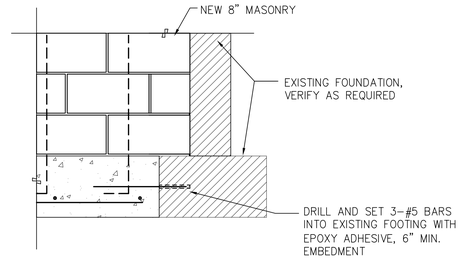
TYPICAL SECTION AT NEW & EXIST SLAB

SECTION 5 / S2-S3.1 — NOT TO SCALE



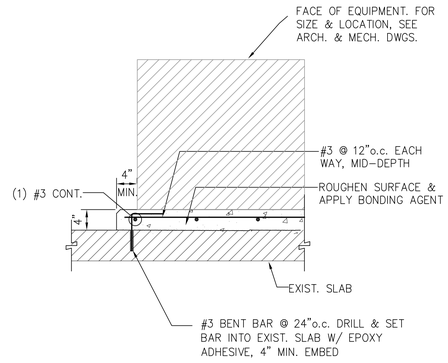
TYPICAL SECTION AT NEW CNC SLAB

SECTION 7 / S2-S3.1 — NOT TO SCALE



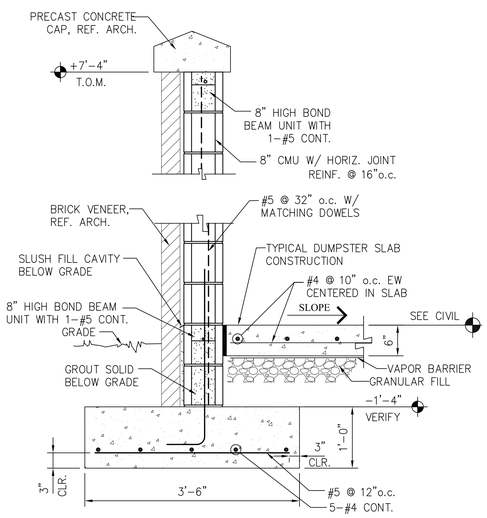
NEW FOOTING DETAIL AT EXISTING FOUNDATION

SECTION 8 / S2-S3.1 — NOT TO SCALE



TYPICAL MECHANICAL EQUIPMENT HOUSEKEEPING PAD

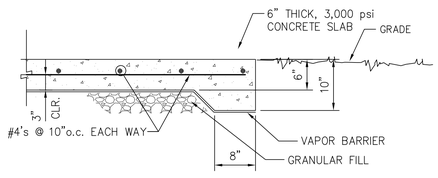
SECTION 10 / S2-S3.1 — NOT TO SCALE



NOTES:
1. SLOPE NOT SHOWN FOR CLARITY. SLOPE SLAB TO DRAIN, COORDINATE W/ ARCH & CIVIL.

TYPICAL SECTION @ SCREEN WALL

SECTION 7 / S2-S3.1 — SCALE: 1"=1'-0"



TYPICAL SLAB EDGE FOR NEW EQUIPMENT PAD

SECTION 9 / S2-S3.1 — SCALE: 1"=1'-0"

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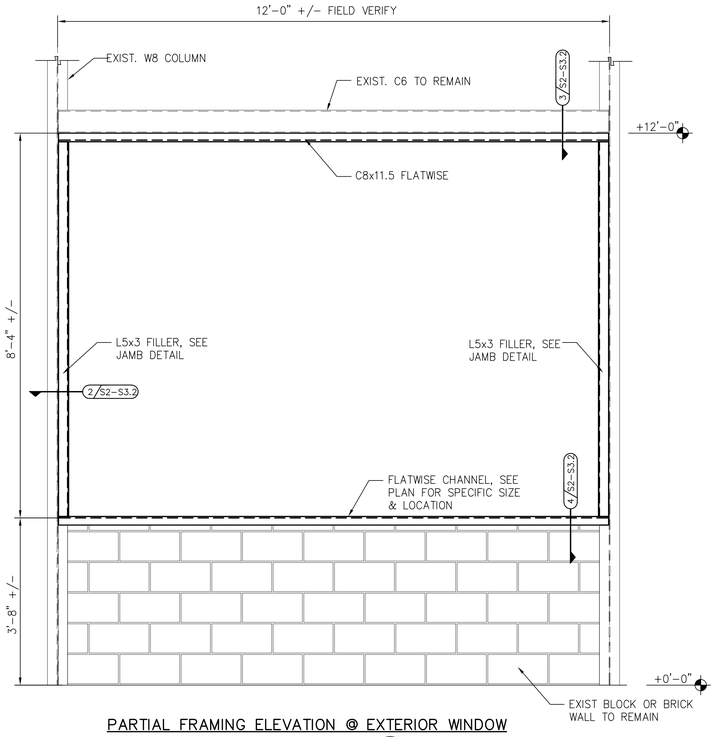
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STRUCTURAL SECTIONS AND DETAILS

S2-S3.1

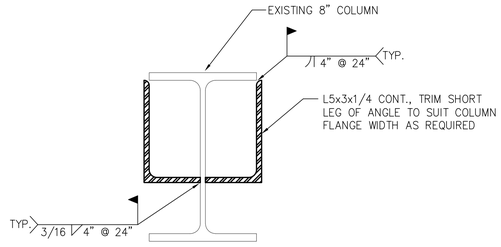
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PARTIAL FRAMING ELEVATION @ EXTERIOR WINDOW

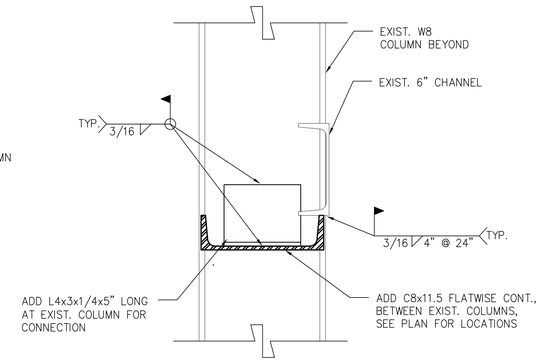
ELEVATION 1/S2-S3.2
SCALE: 3/4"=1'-0"

NOTES:
1. JOIN JAMB FILLER TO BOTH HEAD AND SILL MEMBER AND WELD TOGETHER CONTINUOUS
2. FLATWISE CHANNEL AT BOTH HEAD AND SILL SHALL BE FIELD WELDED TO THE EXISTING W8 COLUMN AT EACH END. PROVIDE L4x3x1/4x5" LONG, SHIP LOOSE, FOR THIS PURPOSE



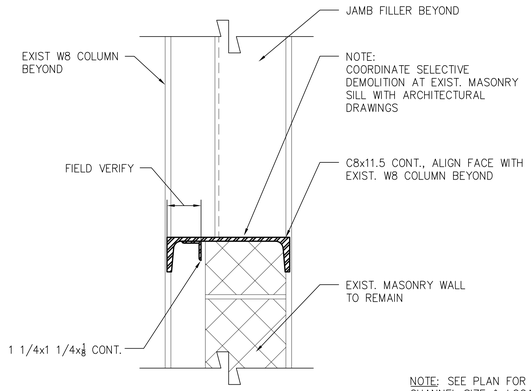
TYPICAL JAMB FILLER DETAIL

DETAIL 2/S2-S3.2
SCALE: 3"=1'-0"



TYPICAL HEAD DETAIL

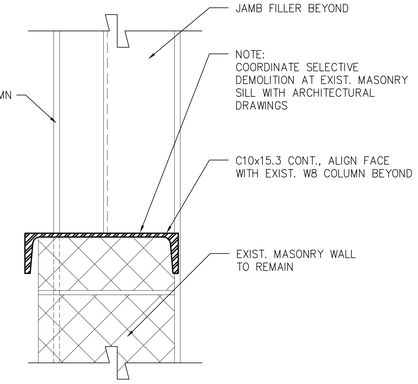
SECTION 3/S2-S3.2
SCALE: 3"=1'-0"



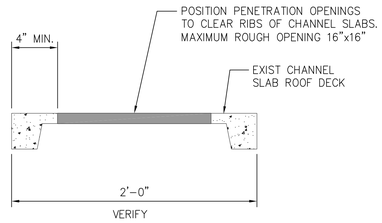
SILL TYPE "A" @ C8

NOTE: SEE PLAN FOR SPECIFIC SILL CHANNEL SIZE & LOCATION

SECTION 4/S2-S3.2
SCALE: 3"=1'-0"



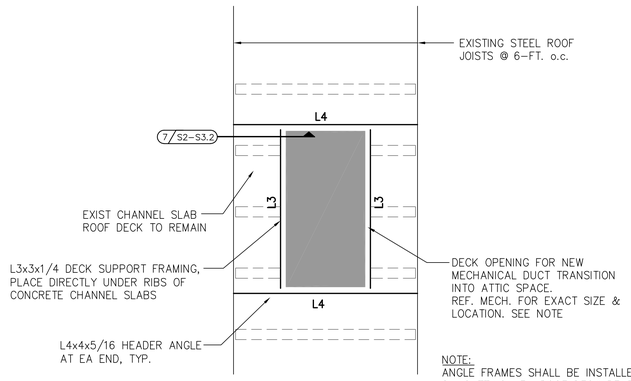
SILL TYPE "B" @ C10



NOTE:
PENETRATIONS MADE BETWEEN THE RIBS OF THE CHANNEL SLABS AS SHOWN DO NOT REQUIRE ANGLE FRAMES FOR SUPPORT

TYPICAL BRANCH DUCT ROOF DECK PENETRATION AT BUILDING WING 2

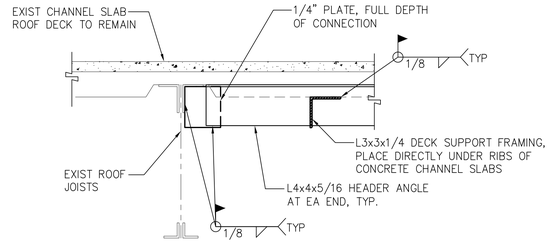
DETAIL 5/S2-S3.2
NOT TO SCALE



NOTE:
ANGLE FRAMES SHALL BE INSTALLED PRIOR TO SAWCUTTING NEW ROOF DECK PENETRATION

TYPICAL MECHANICAL TRUNK LINE TRANSITION INTO ATTIC SPACE BUILDING WING 2

DETAIL 6/S2-S3.2
NOT TO SCALE



TYPICAL ANGLE FRAME DETAIL AT MECHANICAL TRUNK LINE TRANSITION INTO ATTIC SPACE

SECTION 7/S2-S3.2
NOT TO SCALE

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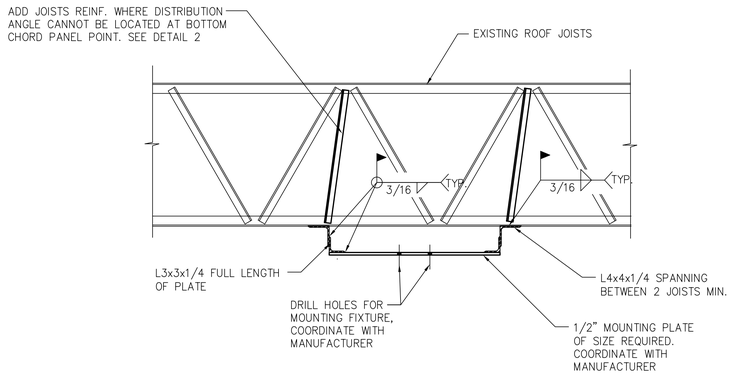
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STRUCTURAL SECTIONS AND DETAILS

S2-S3.2

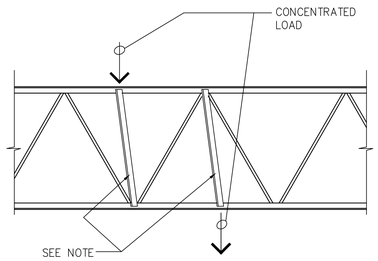
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NOTES: VERIFY FAN WEIGHT AND MOUNTING REQUIREMENTS WITH ENGINEER PRIOR TO FABRICATION AND INSTALLATION.

BIG ASS FAN SUPPORT DETAIL

SECTION 1 / S2-S3.3
NOT TO SCALE



NOTE: INSTALL L1 1/2x1 1/2x3/16 WEB STIFFENERS ONE SIDE OF JOIST WEB WHERE CONCENTRATED LOADS OCCUR. INSTALL FROM POINT OF LOAD TO CLOSEST PANEL POINT ON OPPOSITE CHORD.

TYPICAL JOIST REINFORCEMENT AT CONCENTRATED LOADS

DETAIL 2 / S2-S3.3
NOT TO SCALE

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MOBILE, AL 36605

GMC AMOB260006

STRUCTURAL SECTIONS AND DETAILS

S2-S3.3

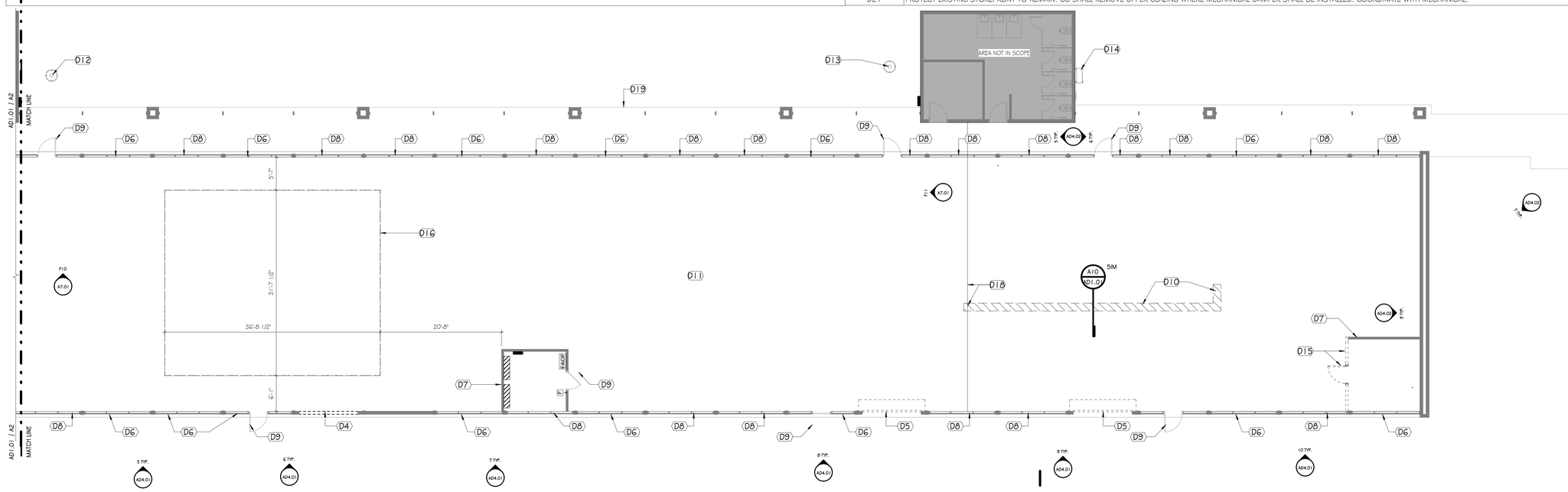
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GENERAL NOTES - DEMOLITION PLAN

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT.
2. DEMOLISHED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE SITE AND DISPOSED OF PROPERLY EXCEPT FOR ITEMS THAT ARE CLEARLY IDENTIFIED PRIOR TO BIDDING AS SALVAGE. SALVAGED ITEMS ARE TO BE REMOVED AND DELIVERED TO A LOCATION DESIGNATED BY THE OWNER.
3. CONTRACTOR(S) SHALL ENTIRELY REMOVE ALL ITEMS INDICATED TO BE REMOVED AND PATCH/REPAIR BUILDING ENVELOPE SURFACES.
4. PROTECT ALL FINISHES, EQUIPMENT, EXISTING INTERIOR AND EXTERIOR BUILDING AREAS AND SURFACES TO REMAIN.
5. BURNING WILL NOT BE ALLOWED ON SITE.
6. ALL WORK AND CONSTRUCTION ACTIVITIES SHALL BE CLOSELY COORDINATE WITH SCHOOL ACTIVITIES AND TRAFFIC PATTERNS.
7. REFER TO ENGINEERING DRAWINGS FOR DEMOLITION OF PLUMBING, MECHANICAL, AND ELECTRICAL SCOPE OF WORK.
8. GC SHALL REMOVE ALL CEILINGS, LIGHT FIXTURES, INSULATION, EMPTY OR ABANDONED CONDUITS, PIPING, SPACE HEATERS, DUCT WORK, EXHAUST FANS AND MOTORS, ELECTRICAL PANELS, AND ALL OTHER SWITCHES, DEVICES, EQUIPMENT, BLOCKING, ETC, THAT WILL NOT BECOME PART OF OR USED IN THE NEW BUILDING. DEMOLITION SHALL BE AS REQUIRED FOR INSTALLATION OF NEW WORK OR AS DIRECTED BY THE ARCHITECT. COORDINATE WITH CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
9. THE CONTRACTOR SHALL PROTECT ALL LANDSCAPING, LAWNS, WALKWAYS, DRIVEWAYS, SIGNAGE, LIGHT FIXTURES, ELECTRICAL PANELS, ETC. DURING THE COURSE OF DEMOLITION AND CONSTRUCTION. ANY DAMAGE CAUSED TO EXISTING IMPROVEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND REPLACED AT NO COST TO THE OWNER.
10. CONTRACTOR SHALL NOTIFY THE OWNER, CONSTRUCTION MANAGER AND/OR ARCHITECT A MINIMUM OF 72 HOURS PRIOR TO ANY DISRUPTION OF POWER OR OTHER UTILITIES.
11. CONTRACTOR SHALL REFER TO THE PROVIDED HAZARDOUS MATERIALS REPORT TO IDENTIFY AND DISPOSE OF THE HAZARDOUS MATERIALS AS REQUIRED.
12. THE BUILDING ENVELOPE IS TO REMAIN AND BE SECURE AT ALL TIMES.
13. EXISTING FIRE ALARM SYSTEM SHALL REMAIN IN PLACE AND ACTIVE.
14. CONTRACTOR SHALL PROVIDE AND INSTALL DUST CONTROL MEASURES WHERE REQUIRED OR DIRECTED BY THE OWNER, ARCHITECT, OR CONSTRUCTION MANAGER.
15. CONTRACTOR SHALL PROVIDE MEANS AND METHODS TO PROTECT INFORMATION TECHNOLOGY EQUIPMENT, WIRING, ETC. ANY DAMAGES ARE THE RESPONSIBILITY OF THE DEMOLITION CONTRACTOR AND REPLACED AT NO COST TO THE OWNER.

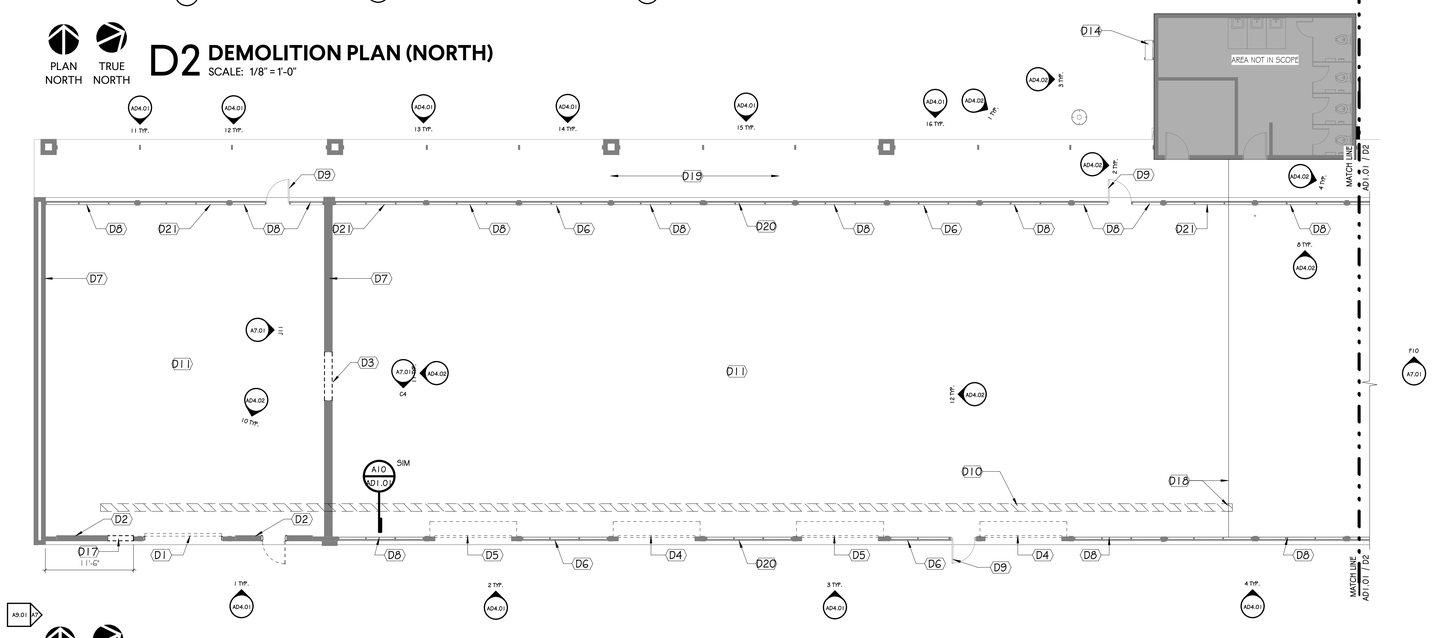
KEY NOTES - DEMOLITION

KEY	KEYNOTE
D1	GC SHALL DEMOLISH EXISTING FRAME AND PLYWOOD WALL COVER. NEW WORK SHALL CONSIST OF PROVIDING AND INSTALLING NEW OVERHEAD DOOR AND TRACK BY ARMRLITE TO FIT IN REMAINING OPENING.
D2	GC SHALL DEMOLISH EXISTING OVERHEAD DOOR AND TRACK (NOT SHOWN, SEE IMAGE ON SHEET A4.02) AND EXTERIOR DOOR, FRAME AND HARDWARE (WHERE APPLICABLE). GC SHALL CLOSE REMAINING OPENING BY PROVIDING AND INSTALLING NEW BRICK AND METAL PANEL TO MATCH ADJACENT WALL.
D3	GC SHALL DEMOLISH EXISTING DOOR, FRAME AND HARDWARE AND REPLACE WITH NEW DOOR, FRAME AND HARDWARE. COORDINATE WITH DOOR SCHEDULE.
D4	GC SHALL REMOVE EXISTING OVERHEAD AND FRAME AND PREPARE THE OPENING FOR A NEW OVERHEAD DOOR AND FRAME TO FIT IN THE OPENING AS IS. BASIS OF DESIGN TITAN BY ARM R LITE. COORDINATE WITH SPECIFICATIONS AND SHOP DRAWINGS & ELEC..
D5	GC SHALL DEMOLISH EXISTING OVERHEAD DOOR AND FRAME. THE GC SHALL PROVIDE AND INSTALL NEW WALL MATERIALS AND STOREFRONT TO MATCH THE EXISTING STOREFRONT. COORDINATE WITH STOREFRONT DETAILS & SPECS.
D6	GC SHALL REPAIR AND REPLACE ANY HOLES, LOUVERS OR MISSING GLAZING IN EXISTING STOREFRONT WITH NEW FROSTED GLAZING TO MATCH EXISTING. COORDINATE WITH MECHANICAL.
D7	PROTECT EXISTING WALL TO REMAIN. GC SHALL FIELD VERIFY.
D8	PROTECT EXISTING STOREFRONT TO REMAIN. CONTRACTOR SHALL CLEAN WINDOWS BEFORE HANDING THE SITE BACK TO THE OWNER.
D9	PROTECT EXISTING DOOR AND DOOR FRAME TO REMAIN. GC SHALL REPAIR ANY DENTS AND RESURFACE THEN PAINT THE EXISTING DOOR.
D10	GC SHALL TRENCH CONCRETE SUBFLOOR FOR NEW PLUMB LINE INSTALLATION. COORDINATE WITH PLUMBING NEW WORK AND STRUCTURAL DRAWINGS.
D11	GC SHALL PREP FLOORS FOR SCHEDULED FINISH. THIS SHALL INCLUDE BUT NOT BE LIMITED TO GRINDING, CLEANING, PATCHING, LEVELING, FILLING CRACKS, VOIDS AND ANY IMPERFECTIONS AS REQUIRED BY THE FLOORING MANUFACTURER TO INSTALL THE SCHEDULED FINISH FOR A SMOOTH, LEVEL, AND COMPLETE AND WARRANTABLE INSTALLATION.
D12	PROTECT EXISTING STORM CLEANOUT TO REMAIN.
D13	PROTECT EXISTING SEWER CLEANOUT TO REMAIN.
D14	PROTECT EXISTING AC UNIT TO REMAIN. GC SHALL FIELD VERIFY EXISTING LOCATIONS WHERE NECESSARY.
D15	GC SHALL DEMOLISH EXISTING FRAMED WALL AND DOOR.
D16	GC SHALL PARTIALLY DEMOLISH THE EXISTING FLOOR SLAB AND PREPARE FOR A NEW THICKER SLAB. COORDINATE WITH NEW WORK AND STRUCTURAL.
D17	GC SHALL PARTIALLY DEMOLISH PORTION OF EXISTING EXTERIOR WALL. PREPARE FOR NEW DOOR FRAME, DOOR, AND DOOR HARDWARE. COORDINATE WITH DOOR SCHEDULE.
D18	PROTECT EXISTING PIPING TO REMAIN. COORDINATE TIE IN LOCATION WITH PLUMBING.
D19	PROTECT EXISTING CONCRETE WALK TO REMAIN.
D20	GC SHALL PROTECT EXISTING STOREFRONT TO REMAIN. EXISTING LOUVER IN STOREFRONT SHALL BE USED TO INSTALL NEW EQUIPMENT ON MECHANICAL DRAWINGS.
D21	PROTECT EXISTING STOREFRONT TO REMAIN. GC SHALL REMOVE UPPER GLAZING WHERE MECHANICAL DAMPER SHALL BE INSTALLED. COORDINATE WITH MECHANICAL.



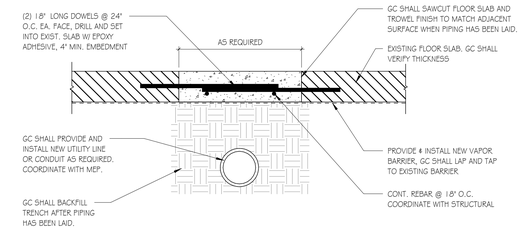
D2 DEMOLITION PLAN (NORTH)
SCALE: 1/8" = 1'-0"

PLAN NORTH / TRUE NORTH



A2 DEMOLITION PLAN (SOUTH)
SCALE: 1/8" = 1'-0"

PLAN NORTH / TRUE NORTH



A10 TYPICAL TRENCH DETAIL
SCALE: 11/2" = 1'-0"

GMC

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Mobile, AL 36602
T 251.460.4006
GMCNETWORK.COM

ISSUE DATE
IFB SET 10/26/2026

DRAWN BY: H.S.
CHECKED BY: J.W.

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MOBILE, AL 36605

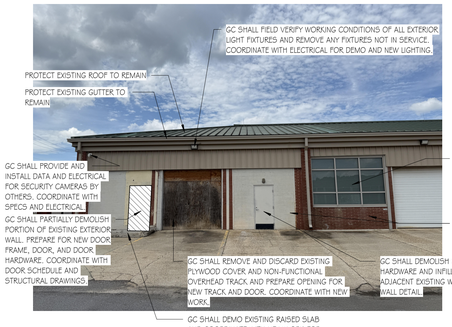
ACCS: 2025 144 BISHOP
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STATE OF ALABAMA — REGISTERED ARCHITECT — 5955 — James W. Cox — MOBILE, ALABAMA

DEMOLITION PLAN

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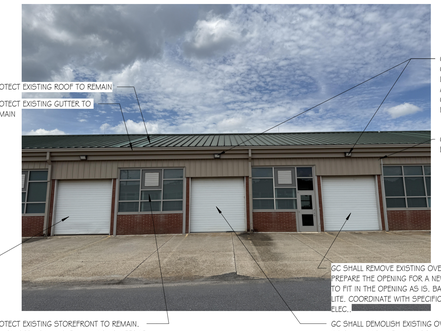
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1 EAST ELEVATION 1



2 EAST ELEVATION 2



3 EAST ELEVATION 3



4 EAST ELEVATION 4



5 EAST ELEVATION 5



6 EAST ELEAVTION 6



7 EAST ELEVATION 7



8 EAST ELEVATION 8



9 EAST ELEVATION 9



10 EAST ELEVATION 10



11 WEST ELEVATION 1



12 WEST ELEVATION 2



13 WEST ELEVATION 3



14 WEST ELEVATION 4



15 WEST ELEVATION 5



16 WEST ELEVATION 6

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MOBILE, AL 36605

ACCS: 2025144 BISHOP
GMC AMOB260006

STATE OF ALABAMA
JOSEPH M. MILLS
39538
REGISTERED ARCHITECT
MOBILE, ALABAMA

DEMO WORK IMAGES

AD4.01

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1 WEST ELEVATION 7



2 WEST ELEVATION 8



3 RESTROOM IMAGE



4 EXISTING CONDITION



5 WEST ELEVATION 9



6 WEST ELEVATION 10



7 NORTH ELEVATION



8 IMAGE



9 IMAGE



10 IMAGE



11 IMAGE



12 IMAGE
SCALE: 1" = 1'-0"



13 IMAGE

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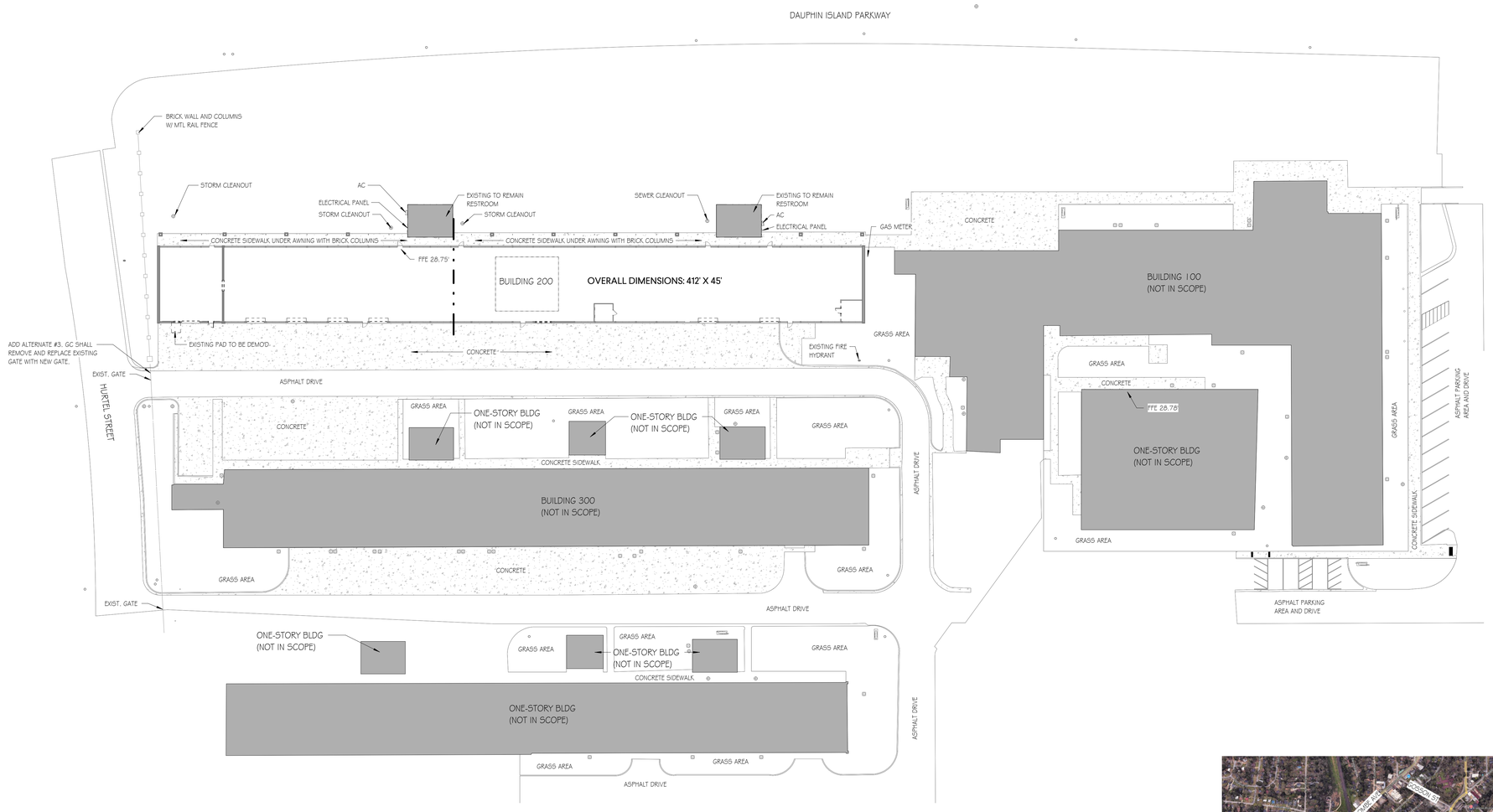
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GMC AMOB260006

STATE OF ALABAMA
Jonathan Cawood
9958
REGISTERED ARCHITECT
MOBILE, ALABAMA

DEMO WORK IMAGES

AD4.02

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TRUE NORTH

A1 ARCHITECTURAL SITE PLAN

SCALE: 1" = 30'-0"

NOTE: SEE ELECTRICAL SITE PLAN FOR ELECTRICAL SITE INFO.



A10 LOCATION MAP

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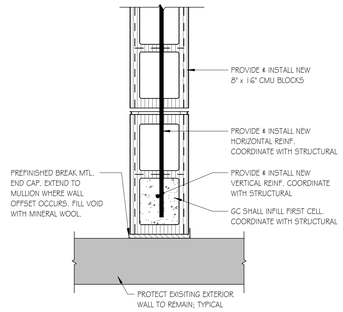
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STATE OF ALABAMA
JOSEPH WILLIAMS
39538
REGISTERED ARCHITECT
MOBILE, ALABAMA

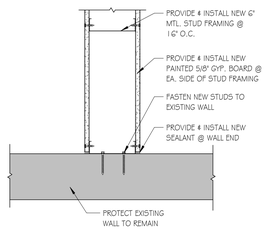
ARCHITECTURE SITE PLAN

A1.00

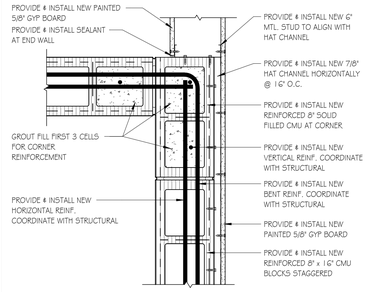
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H1 CMU TO EXIST. EXT WALL
SCALE: 1 1/2" = 1'-0"



H3 NEW TO EXIST. EXT WALL
SCALE: 1 1/2" = 1'-0"



H5 CMU TO STUD DETAIL
SCALE: 1 1/2" = 1'-0"

FLOOR PLAN LEGEND

- FLOOR PATH PAINTED LINES
- REQUIRED CLEARANCES
- EXISTING WALL TO REMAIN
- NEW CMU WALL
- NEW STUD WALL

CONSTRUCTION NOTES - FLOOR PLAN

1. UNLESS NOTED OTHERWISE, ALL FLOOR TILES SHALL BE CENTERED IN ROOM.
2. UNLESS NOTED OTHERWISE, ALL CEILING GRIDS AND LIGHT FIXTURES SHALL BE CENTERED IN ROOM/OPENING.
3. ALL PIPING, DUCTWORK, AND ELECTRICAL RACEWAYS/CONDUITS SHALL BE CONCEALED IN THE BUILDING CONSTRUCTION. THE GENERAL CONTRACTOR SHALL INCLUDE, IN THE BASE BID, REQUIRED FURRING TO CONCEAL ALL PIPING, MECHANICAL DUCTWORK, AND/OR ELECTRICAL RACEWAYS UNLESS SPECIFICIALLY INDICATED AS EXPOSED TO VIEW.
4. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED (PT)
5. CONTRACTOR SHALL PROVIDE AND INSTALL BLOCKING FOR GRAB BARS AND TOILET ACCESSORIES IN RESTROOMS, TELEVISIONS AND CASEWORK IN BUILDING.
6. CONTINUOUSLY SEAL PERIMETER OF ALL DOOR AND WINDOW FRAMES, MILLWORK, TRIM, CABINETS AND SIMILAR FIXED CONSTRUCTION. ALL CONTROL AND EXPANSION JOINTS SHALL BE CONTINUOUSLY SEALED, BOTH SIDES OF JOINT.
7. CONTRACTOR SHALL PROVIDE AND INSTALL SPRAY FOAM INSULATION ABOVE STOREFRONT THROUGHOUT BUILDING.
8. CONTRACTOR SHALL INSTALL FROSTED GLAZING AT ALL LOCATIONS TO RECEIVE NEW WINDOWS/ STOREFRONT/ LITES THAT MATCHES EXISTING FROSTED GLAZING.
9. ALL EXPOSED CONDUITS AND ELECTRICAL PANELS TO MATCH THE ADJACENT SURFACE.

GENERAL NOTES - FLOOR PLAN

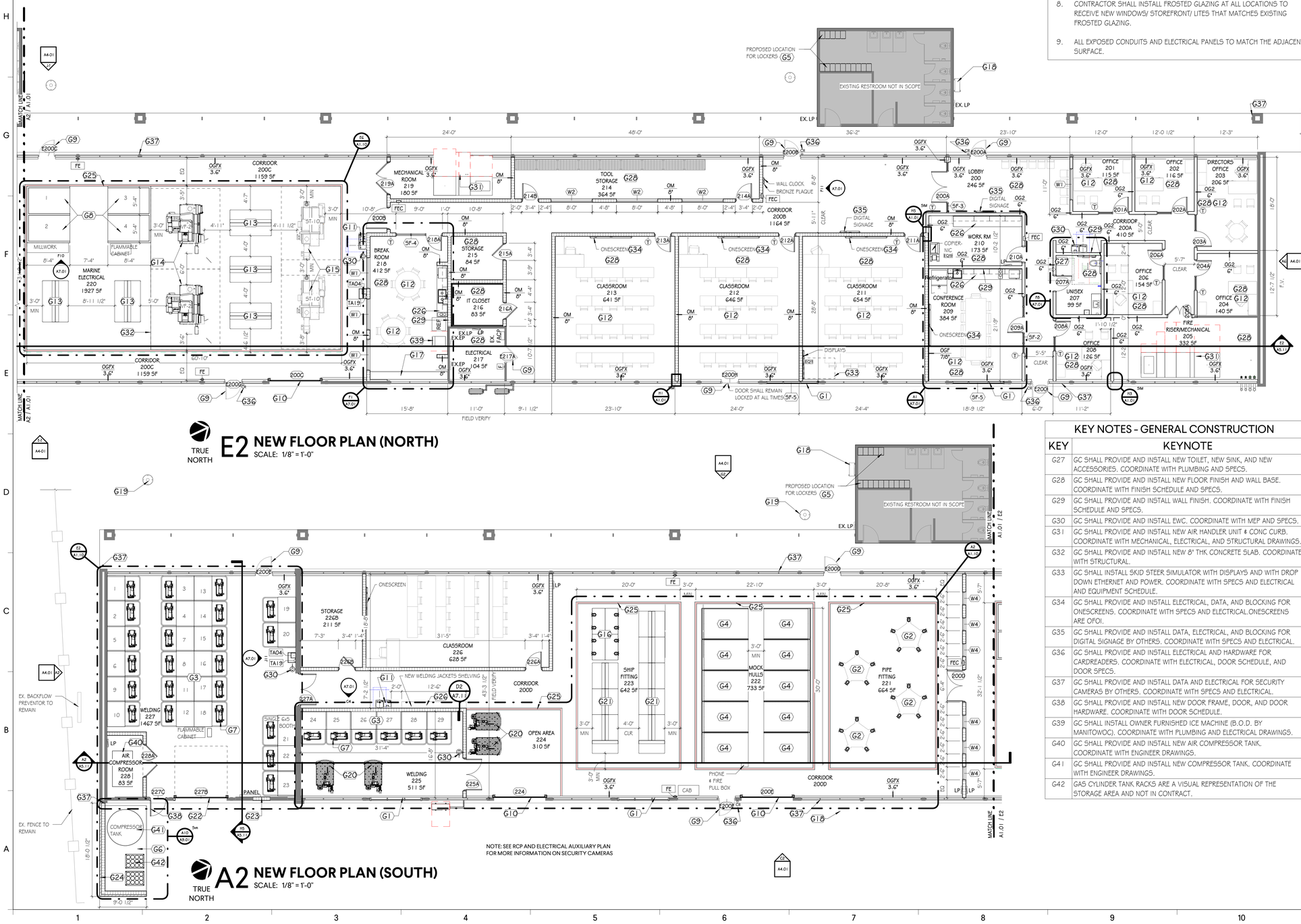
1. DO NOT SCALE DRAWINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS FROM THE SCALING OF DRAWINGS. PRIOR TO THE BID, THE CONTRACTOR SHALL REVIEW AND COORDINATE THE ENTIRE SET OF CONTRACT DOCUMENTS. IF ANY DISCREPANCIES ARE FOUND THE CONTRACTOR SHALL OBTAIN CLARIFICATION IN WRITING FROM THE ARCHITECT BEFORE CONTINUING WITH WORK.
2. GENERAL CONTRACTOR SHALL COORDINATE WITH ALL FIELDS PRIOR TO SUBMITTING A BID, AND SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF THERE ARE ANY DISCREPANCIES WITH PLANS, ELEVATIONS, DETAILS, ETC. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS RESULTING FROM NOT COORDINATING THE ENTIRE SET OF CONTRACT DOCUMENTS.
3. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND/OR DIMENSIONS AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH WORK IN THE AFFECTED AREAS.
4. CONTRACTOR SHALL COORDINATE EXACT SIZE AND FINAL LOCATION OF ALL STRUCTURAL, FIRE PROTECTION, PLUMBING, ELECTRICAL AND MECHANICAL REQUIREMENTS WITH THE APPROPRIATE SUBCONTRACTOR PRIOR TO CONSTRUCTION. THE GENERAL CONTRACTOR SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING ANY WORK IN THE AFFECTED AREA.
5. ALL DIMENSIONS SHOWN AT:
   -METAL STUD WALLS ARE TO THE FACE OF FINISH, U.N.O.
   -CONCRETE MASONRY UNITS (CMU) ARE TO THE FACE OF BLOCK; U.N.O. (U.N.O. - UNLESS NOTED OTHERWISE)
6. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION, AND DETAILS ON NEW DOORS, DOOR FRAMES AND DOOR HARDWARE.
7. REFER TO FINISH LEGEND FOR PAINT COLORS CALLED OUT ON REFLECTED CEILING PLAN AND FINISH PLAN.
8. CONTRACTOR TO REVIEW WITH ARCHITECT, ON SITE, ALL FLOOR, WALL, AND CEILING FINISHES BEFORE FINISH WORK BEGINS.
9. REFER TO RCP LEGEND ON REFLECTED CEILING PLANS FOR RCP ABBREVIATIONS AND FINISHES.
10. CONTRACTOR SHALL REFER TO ENGINEERS DRAWINGS FOR MORE INFORMATION ON THEIR SCOPE OF WORK.
11. FURNITURE SHOWN FOR REFERENCE ONLY. NOT IN CONTRACT, U.N.O.

KEY NOTES - GENERAL CONSTRUCTION

KEY	KEYNOTE
G1	GC SHALL DEMOLISH EXISTING OVERHEAD DOOR AND FRAME. THE GC SHALL PROVIDE AND INSTALL NEW WALL MATERIALS AND STOREFRONT TO MATCH THE EXISTING STOREFRONT. COORDINATE WITH STOREFRONT DETAILS & SPECS AND STRUCTURAL.
G2	GC SHALL INSTALL NEW STAR TABLES WITH VICE AT EACH ARM OF TABLE. COORDINATE WITH SPECS AND EQUIPMENT SCHEDULE.
G3	GC SHALL INSTALL NEW 5X5 WELDING BOOTHS B.O.D. BY CLEAN AIR INDUSTRIES. COORDINATE WITH SPECS AND EQUIPMENT SCHEDULE. COORDINATE WITH MEP.
G4	GC SHALL INSTALL NEW MOCK HULL BOOTHS. COORDINATE WITH SPECS & MEP AND EQUIPMENT SCHEDULE.
G5	OWNER SHALL PROVIDE AND INSTALL STACKED LOCKERS (STACKED 15= 30 LOCKERS).
G6	GC SHALL PROVIDE AND INSTALL NEW CONCRETE PAD FOR GAS TANK STORAGE AREA. COORDINATE WITH STRUCTURAL
G7	GC SHALL INSTALL WELDERS AT EACH STATION. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS AND EQUIPMENT SCHEDULE.
G8	GC SHALL INSTALL NEW ELECTRICAL TRAINING BOOTHS. COORDINATE WITH EQUIPMENT SCHEDULE.
G9	PROTECT EXISTING DOOR AND DOOR FRAME TO REMAIN. GC SHALL REPAIR ANY DENTS AND RESURFACE THEN PAINT THE EXISTING DOOR.
G10	GC SHALL REMOVE EXISTING OVERHEAD AND FRAME AND PREPARE THE OPENING FOR A NEW OVERHEAD DOOR AND FRAME TO FIT IN THE OPENING AS IS. BASIS OF DESIGN TITAN BY ARM R LITE. COORDINATE WITH SPECIFICATIONS AND SHOP DRAWINGS & ELEC..
G11	GC SHALL PROVIDE AND INSTALL NEW HI/LO BOTTLE FILLER. COORDINATE WITH PLUMBING
G12	FURNITURE IS SHOWN FOR REFERENCE ONLY, NOT IN CONTRACT.
G13	GC SHALL INSTALL NEW ELECTRICAL TRAINING TABLES. COORDINATE WITH ELECTRICAL DRAWINGS AND COORDINATE WITH EQUIPMENT SCHEDULE.
G14	GC SHALL BE RESPONSIBLE FOR DISCONNECTING, LOADING, MOVING FROM THE MAIN CAMPUS TO SOUTHWEST, THEN UNLOADING AND RECONNECTING THE HAAS VF-2 CNC MACHINES (2). MACHINE REQUIRES 36" OF CLEARANCE ON ALL SIDES. COORDINATE WITH SPECS & ELEC & EQUIPMENT SCHEDULE.
G15	GC SHALL BE RESPONSIBLE FOR DISCONNECTING, LOADING, MOVING FROM THE MAIN CAMPUS TO SOUTHWEST, THEN UNLOADING AND RECONNECTING HAAS ST-10 CNC MACHINES (2). MACHINE REQUIRES 36" OF CLEARANCE ON ALL SIDES. COORDINATE WITH SPECS & ELEC & EQUIPMENT SCHEDULE.
G16	GC SHALL INSTALL NEW PIPE FITTING TABLES WITH VICES AND COORDINATE WITH EQUIPMENT SCHEDULE.
G17	GC SHALL PROVIDE AND INSTALL NEW WALL MOUNTED BAR WITH SUPPORTS. COORDINATE WITH MILLWORK DETAILS.
G18	PROTECT EXISTING AC UNIT TO REMAIN. GC SHALL FIELD VERIFY EXISTING LOCATIONS WHERE NECESSARY.
G19	PROTECT EXISTING MANHOLE TO REMAIN. GC SHALL FIELD VERIFY WHERE NECESSARY.
G20	GC SHALL INSTALL NEWLY RELOCATED WELDING CERTIFICATION CART FROM CARVER CAMPUS (BASIS OF DESIGN FANUC CART I 05-350). COORDINATE WITH SPECS & ELEC AND EQUIPMENT SCHEDULE.
G21	GC SHALL INSTALL NEW PIPE FITTING TRAINING TABLES (18, INCLUDING 2 TRAINER TABLES AT THE END OF ROW) AND COORDINATE WITH EQUIPMENT SCHEDULE.
G22	GC SHALL DEMOLISH EXISTING FRAME AND PLYWOOD WALL COVER. NEW WORK SHALL CONSIST OF PROVIDING AND INSTALLING NEW OVERHEAD DOOR AND FRAME TO FIT IN THE OPENING AS IS. BASIS OF DESIGN BY ARMRLITE. COORDINATE WITH SPECIFICATIONS, SHOP DRAWINGS AND ELECTRICAL.
G23	GC SHALL DEMOLISH EXISTING OVERHEAD DOOR AND TRACK (NOT SHOWN, SEE IMAGE ON SHEET A4.02) AND EXTERIOR DOOR, FRAME AND HARDWARE. GC SHALL CLOSE REMAINING OPENING BY PROVIDING AND INSTALL NEW BLOCKING TO MATCH ADJACENT WALL.
G24	GC SHALL PROVIDE AND INSTALL A NEW 8' TALL BRICK OVER CMU WALL WITH A PRECAST CAP. COORDINATE WITH DETAIL AND STRUCTURAL.
G25	GC SHALL PROVIDE AND INSTALL SAFETY YELLOW STRIPED LINE. COORDINATE WITH SPECS AND FINISH SCHEDULE.
G26	GC SHALL PROVIDE AND INSTALL MILLWORK COORDINATE WITH FINISH SCHEDULE, SPECS, PLUMBING, AND ELEVATIONS.

KEY NOTES - GENERAL CONSTRUCTION

KEY	KEYNOTE
G27	GC SHALL PROVIDE AND INSTALL NEW TOILET, NEW SINK, AND NEW ACCESSORIES. COORDINATE WITH PLUMBING AND SPECS.
G28	GC SHALL PROVIDE AND INSTALL NEW FLOOR FINISH AND WALL BASE. COORDINATE WITH FINISH SCHEDULE AND SPECS.
G29	GC SHALL PROVIDE AND INSTALL WALL FINISH. COORDINATE WITH FINISH SCHEDULE AND SPECS.
G30	GC SHALL PROVIDE AND INSTALL EWC. COORDINATE WITH MEP AND SPECS.
G31	GC SHALL PROVIDE AND INSTALL NEW AIR HANDLER UNIT & CONC CURB. COORDINATE WITH MECHANICAL, ELECTRICAL, AND STRUCTURAL DRAWINGS.
G32	GC SHALL PROVIDE AND INSTALL NEW 8" THK CONCRETE SLAB. COORDINATE WITH STRUCTURAL.
G33	GC SHALL INSTALL SKID STEER SIMULATOR WITH DISPLAYS AND WITH DROP DOWN ETHERNET AND POWER. COORDINATE WITH SPECS AND ELECTRICAL AND EQUIPMENT SCHEDULE.
G34	GC SHALL PROVIDE AND INSTALL ELECTRICAL, DATA, AND BLOCKING FOR ONESCREENS. COORDINATE WITH SPECS AND ELECTRICAL.ONESCREENS ARE OFOI.
G35	GC SHALL PROVIDE AND INSTALL DATA, ELECTRICAL, AND BLOCKING FOR DIGITAL SIGNAGE BY OTHERS. COORDINATE WITH SPECS AND ELECTRICAL.
G36	GC SHALL PROVIDE AND INSTALL ELECTRICAL AND HARDWARE FOR CARDREADERS. COORDINATE WITH ELECTRICAL, DOOR SCHEDULE, AND DOOR SPECS.
G37	GC SHALL PROVIDE AND INSTALL DATA AND ELECTRICAL FOR SECURITY CAMERAS BY OTHERS. COORDINATE WITH SPECS AND ELECTRICAL.
G38	GC SHALL PROVIDE AND INSTALL NEW DOOR FRAME, DOOR, AND DOOR HARDWARE. COORDINATE WITH DOOR SCHEDULE.
G39	GC SHALL INSTALL OWNER FURNISHED ICE MACHINE (B.O.D. BY MANITOWOC). COORDINATE WITH PLUMBING AND ELECTRICAL DRAWINGS.
G40	GC SHALL PROVIDE AND INSTALL NEW AIR COMPRESSOR TANK. COORDINATE WITH ENGINEER DRAWINGS.
G41	GC SHALL PROVIDE AND INSTALL NEW COMPRESSOR TANK. COORDINATE WITH ENGINEER DRAWINGS.
G42	GAS CYLINDER TANK RACKS ARE A VISUAL REPRESENTATION OF THE STORAGE AREA AND NOT IN CONTRACT.



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STATE OF ALABAMA
JOHN W. WILLIAMS
9958
REGISTERED ARCHITECT

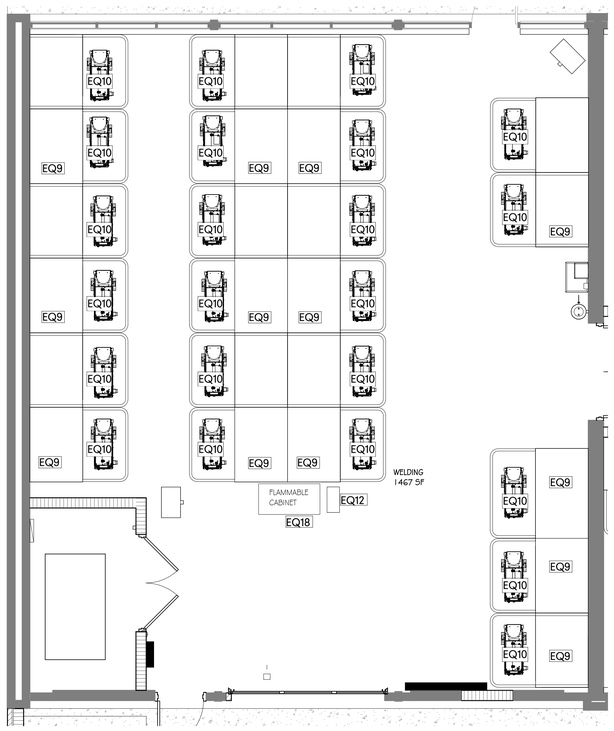
NEW FLOOR PLAN

A1.01

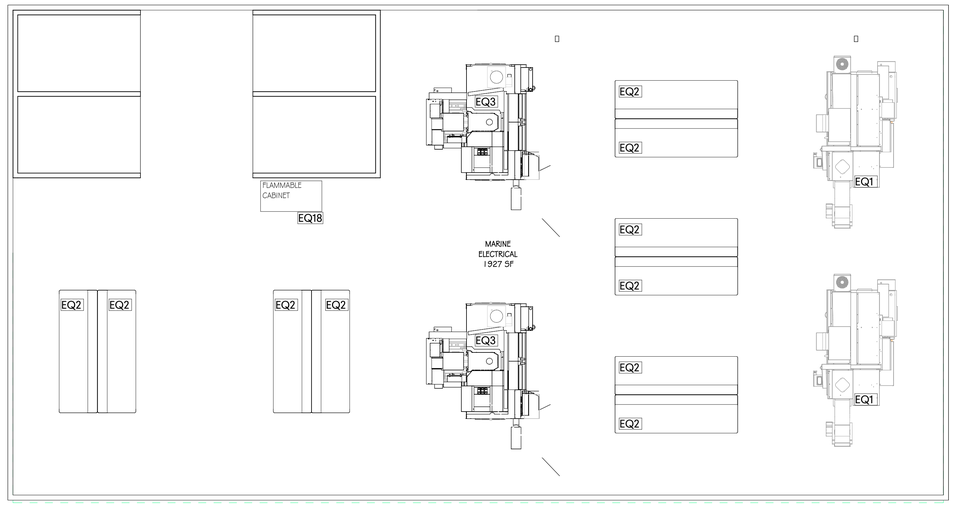
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EQUIPMENT SCHEDULE

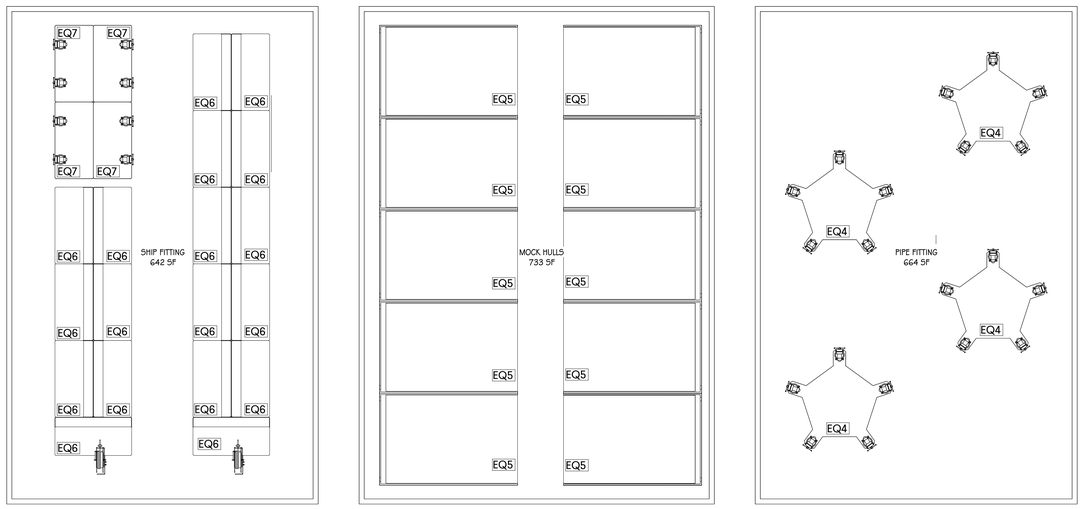
TAG	EQUIPMENT NAME	MODEL #	EQUIPMENT TYPE	MANUFACTURER	WEIGHT	SIZE	POWER REQUIREMENTS	QTY.	EX./NEW	RESPONSIBILITY	NOTES	CUT SHEET
EQ1	CNC MACHINE	#ST-10	2 - AXIS CNC LATHE/TURNING CENTER	HAAS	7,900 LBS	120"D x 83"W x 71"H	110/220 VOLTS: 35 AMPS: 50/60 HTZ: 15 HP: PHASE 3	2	EX	OFCI	36" CLR ON ALL SIDES MIN. GC SHALL UNHOOK AND RELOCATE FROM CAM TECH FACILITY	X
EQ2	ELECTRIC TRAINING TABLES					30"D x 96"W x 48"H		10	NEW	OFCI	W/ OUTLETS ON TABLE, 1 QUAD ELECTRIC REEL OVERHEAD PER PAIR OF TABLES, 1 COMPRESSED AIR OVERHEAD PER PAIR OF TABLES	
EQ3	CNC MACHINE	#VF-2	3 - AXIS CNC LATHE/TURNING CENTER	HAAS	7,800 LBS	88.6"D x 123"W x 107.2"H	110/220 VOLTS: 65/70 AMPS: 50/60 HTZ: 30 HP: PHASE 3	2	EX	OFCI	36" CLR ON ALL SIDES MIN. GC SHALL UNHOOK AND RELOCATE FROM CAM TECH FACILITY	X
EQ4	STAR TABLES					84"D x 86"W x 46"H	110 VOLTS	4	NEW	OFCI	VICES @ EA. TABLE	
EQ5	MOCK HULL BOOTHS	#TRNG1		VIRGINIA ELECTRIC BOAT CORP.		108"D x 72"W x 102"H		10	NEW	OFCI	1 QUAD ELECTRIC REEL OVERHEAD, 1 COMPRESSED AIR OVERHEAD @ EA. END OF HULL AREA	X
EQ6	PIPE FITTING TABLES					30"D x 60"W x 48"H		18	NEW	OFCI	1 QUAD ELECTRIC REEL & 1 COMPRESSED AIR REEL OVERHEAD AT EA. PAIR OF TABLES	
EQ7	PIPE FITTING TABLES W/ VICES					30"D x 60"W x 36"H		4	NEW	OFCI	1 QUAD ELECTRIC REEL OVERHEAD PER PAIR OF TABLES, 1 COMPRESSED AIR OVERHEAD PER PAIR OF TABLES, VICES @ EA. TABLE, DIMENSIONS PULLED FROM PLAN	
EQ8	WELDING CERTIFICATION CART	CART105-350	CERTIFIED ROBOTIC WELDING TRAINING	APT MANUF. SOLUTION/ MILLER FANUC		EXPANDED 63"D x 80"W x 78"H	208/240 VOLTS: PHASE 3	4	NEW	OFCI	WELD TORCH KIT, MODULAR DESIGN, TOUCH SCREEN TABLET, LONG ARM	X
EQ9	DUAL WELDING STATION	5XS DUAL BOOTH 6XS ADA BOOTH		CLEAN AIR INDUSTRIES	2,100 LBS	66.07"D x 58.38"W x 121.86"H	208/240/460 VOLTS: 60 HTZ: 5 HP: PHASE 3	29	NEW	OFOI	DUCTLESS FUME EXTRACTION, FILTERS, 74DBA, DISCONNECT/EMERGENCY SHUT-OFF	X
EQ10	WELDER	POWER WAVE 300C	ADVANCED PROCESS WELDER	LINCOLN ELECTRIC	259 LBS	39.7"H x 20.5"W x 39.4"D	208-575 VOLTS: 5-350 AMPS: 60 HTZ: PHASE 1 & 3	29	NEW	OFCI	ONE WELDER PER BOOTH	X
EQ11	SKID STEER SIMULATOR			VORTEX ADVANTAGE	50 LBS EST	48"W x 60"D x 72"H	110 VOLTS	1	NEW	CFCI	SOFTWARE, 4 DISPLAYS, 4 HUBS FOR DISPLAYS, 4 MOUNTING KITS, 30" CLR ON ONE SIDE. (SHOWN ON FLOOR PLAN)	X
EQ12	ROBOTIC WELDER		AUTOCONTINUM SYSTEM	MILLER			ETHERNET / IP	1	NEW	CFCI	ETHERNET / IP	X
EQ13	FIBER LASER	HL 50E XT		HAAS	800LBS	55"X55"X80"	110 VAC, 50 WATTS	1		OFCI		
EQ14	HIGH VOLT MOCK-UP UNIT							1	EX	OFCI		
EQ15	ROBOT	Haas 10kg Cobot Package		HAAS	146OLBS	102"X75"X38"	100-240 VAC, 50-60HZ, PHASE 1	1		OFCI		
EQ16	MANUAL MILL	Haas HKM1 Knee Mill		HAAS	2240LBS	55.5"X64.5"X73"	220 VAC, 15AMPS, PHASE 3, 85psi	2		OFCI		
EQ17	MITER SAW	Haas HMS 3121		HAAS	1102LBS	63"X43.3"X74"	220 VAC, 12AMPS, PHASE 3	1		OFCI		
EQ18	FLAMMABLE CABINETS							2		CFCI		
EQ19	COPIER	TASKALFA		KYROCERA	200LBS	26.65"X21.65"	120 VOLTS	1	EX	OFCI		
EQ20	MANUAL LATHE	MANUAL LATHE		HAAS	3000LBS	89.4"X44.1"X74.8"	240 VAC, 24AMPS, PHASE 3	2		OFCI		

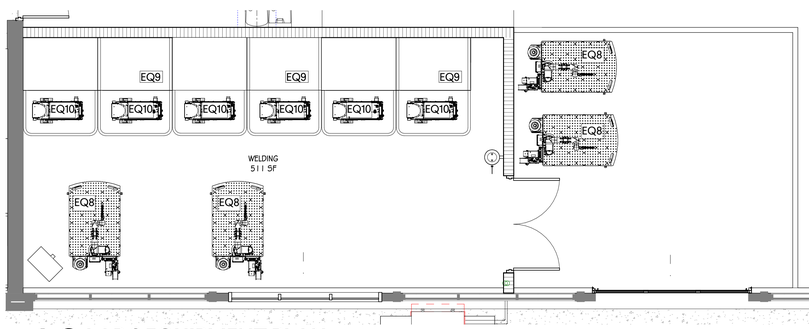


E2 **WELDING EQUIPMENT PLAN**
SCALE: 1/4" = 1'-0"



E6 **LAB 1 EQUIPMENT PLAN**
SCALE: 1/4" = 1'-0"





A2 **LAB 2 EQUIPMENT PLAN**
SCALE: 1/4" = 1'-0"

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CHECKED BY: J.W.

BISHOP STATE COMMUNITY COLLEGE MARITIME TRAINING CENTER RENOVATION
925 DAUPHIN ISLAND PKWY,
MOBILE, AL 36605

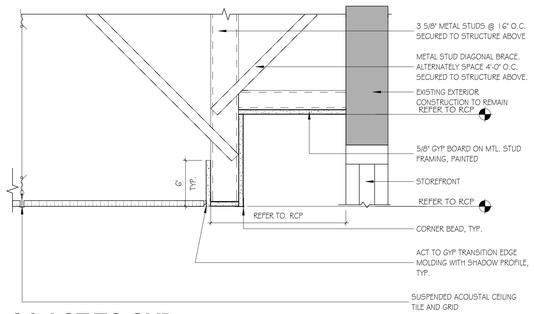
ACCS: 2025 144 BISHOP
GMC: AMOB260006

STATE OF ALABAMA
JOSEPH WILLIAM
395
REGISTERED ARCHITECT
MOBILE, ALABAMA

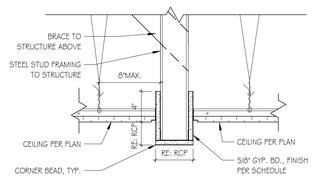
EQUIPMENT PLAN

A1.10

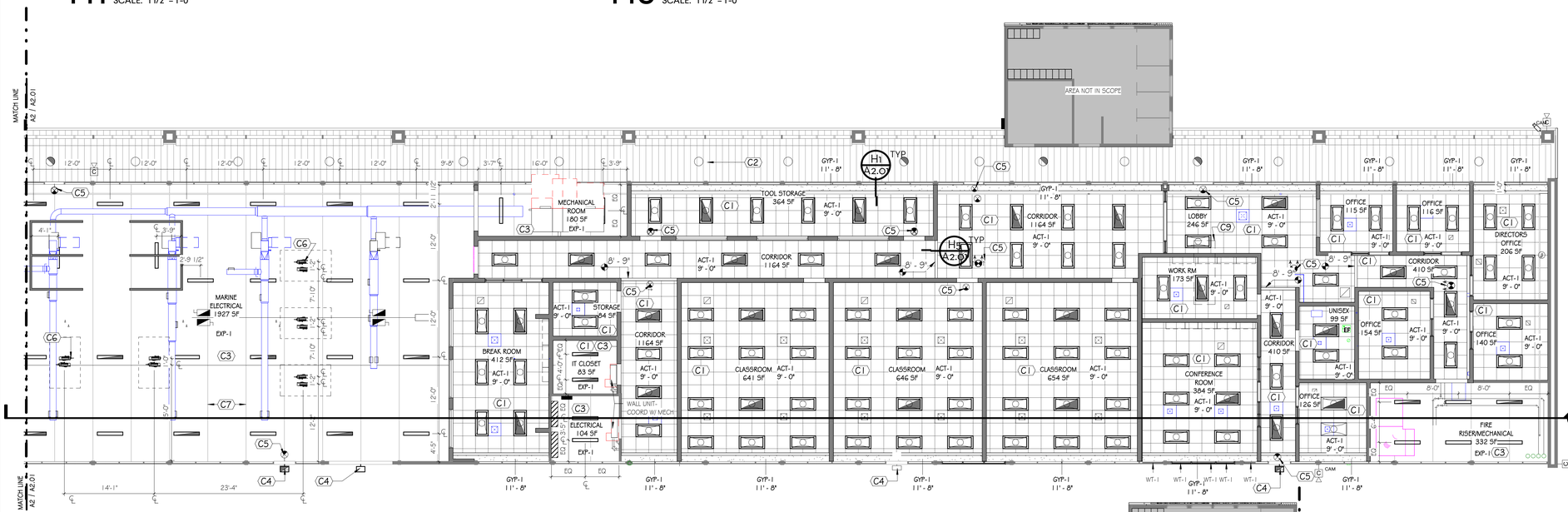
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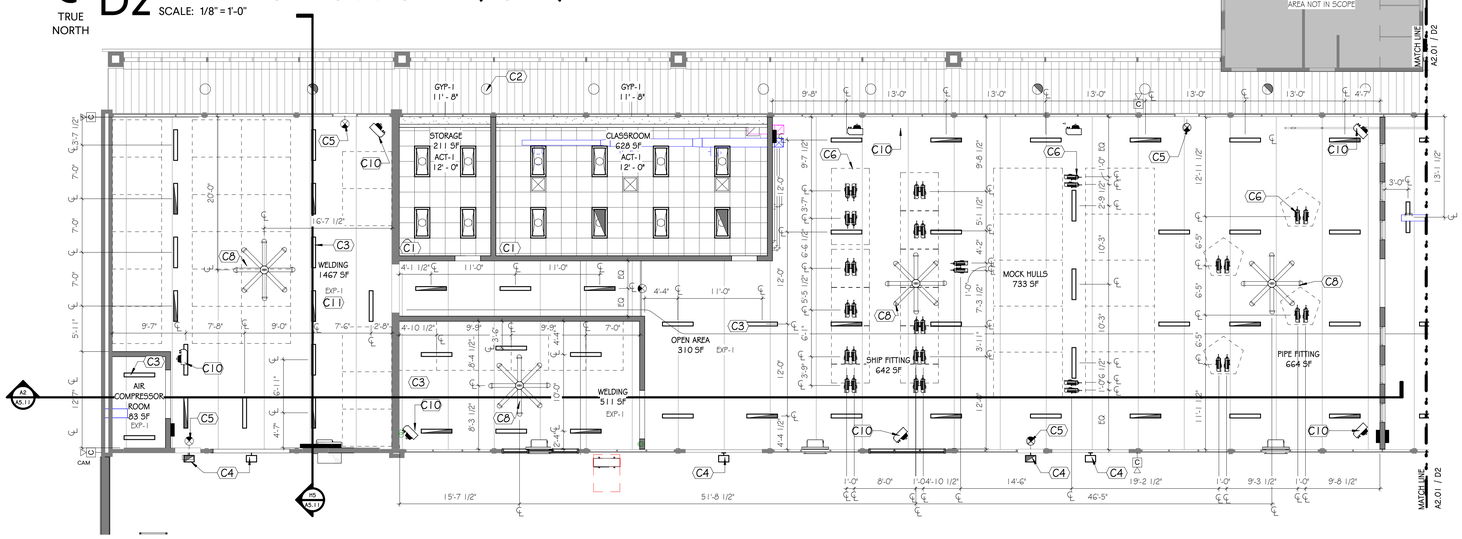
H1 ACT TO GYP
SCALE: 1 1/2" = 1'-0"



H5 BULKHEAD DETAIL
SCALE: 1 1/2" = 1'-0"



D2 NEW REFLECTED CEILING PLAN (NORTH)
TRUE NORTH
SCALE: 1/8" = 1'-0"



A2 NEW REFLECTED CEILING PLAN (SOUTH)
TRUE NORTH
SCALE: 1/8" = 1'-0"

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 AND CURRENT EXISTING CONDITIONS. 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.

REFLECTED CEILING PLAN LEGEND

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

MECHANICAL:
- SUPPLY DIFFUSER
- RETURN AIR GRILLE
- RECESSED A/C UNIT

LIGHTING:
- 2X2 LAY-IN FIXTURE
- 2X4 LAY-IN FIXTURE
- LINEAR SUSPENDED FIXTURE
- WALL MOUNT SCONCE
- CIRCULAR LAY-IN FIXTURE
- EXIT LIGHT

MISC:
- WORKSTATIONS BELOW
- ATTIC ACCESS ABOVE

CEILING FINISH LEGEND

NUMBER	TYPE	DETAIL DESCRIPTION
ACT-1	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG CEILING STYLE: ULTIMA 1951 COLOR: WHITE SIZE: 24" X 24" X 15/16" THK, BEVELED TEGULAR SUSPENSION SYSTEM: PRELUDE XL 15/16", WHITE
GYP-1	GYP BOARD CEILING	PAINTED GYP BOARD CEILING COLOR: PNT-3 (U.N.O. ON RCP)
EXP-1	EXPOSED TO STRUCTURE	EXPOSED TO STRUCTURE - WITH FINISH. ALL EXPOSED CONDITIONS NEW AND EXISTING THAT IS NOT PREFINISHED SHALL BE PAINTED. TYPICAL.

KEY NOTES - CEILING PLAN

KEY	KEYNOTE
C1	GC SHALL PROVIDE AND INSTALL NEW LIGHT FIXTURES IN THIS ROOM. COORDINATE WITH ELECTRICAL.
C2	GC SHALL REMOVE AND REPLACE EXISTING EXTERIOR LIGHT FIXTURES AT COVERED WALKWAY (TYPICAL). COORDINATE WITH ELECTRICAL.
C3	GC SHALL REMOVE AND REPLACE STRIP LIGHTING THROUGHOUT ENTIRE BUILDING. SEE DIMENSIONS FOR NEW LIGHTING PATTERN AT EXPOSED CEILING LOCATIONS. COORDINATE WITH ELECTRICAL.
C4	GC SHALL PROVIDE AND INSTALL NEW WALL MOUNTED WALL PACK ABOVE DOOR. COORDINATE WITH ELECTRICAL.
C5	GC SHALL PROVIDE AND INSTALL NEW ILLUMINATED EXIT SIGN; TYPICAL. COORDINATE WITH ELECTRICAL
C6	GC SHALL PROVIDE AND INSTALL NEW DROP REELS ABOVE WORK STATIONS. EACH PAIR OF REELS SHOWN INCLUDES ONE QUAD POWER AND ONE PNUEMATIC AIR REEL. COORDINATE WITH ENGINEER DRAWINGS, INCLUDING STRUCTURAL DRAWINGS, TYP.
C7	PROTECT EXISTING JOISTS TO REMAIN. TYPICAL
C8	GC SHALL PROVIDE AND INSTALL NEW FANS BY "BIG ASS FANS." COORDINATE WITH ELECTRICAL, MECHANICAL, AND STRUCTURAL.
C9	EXISTING ATTIC ACCESS TO REMAIN, BUT WILL NOT BE ACCESSED.
C10	GC SHALL PROVIDE AND INSTALL NEW HEATERS. COORDINATE WITH MECHANICAL.
C11	GC SHALL PROVIDE AND INSTALL INTUMESCENT PAINT ON BOTTOM OF TECTUM DECK AND ON OPEN CELL FOAM ABOVE STORE FRONT WINDOWS IN WELDING LAB 227.

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CHECKED BY: J.W.

BISHOP STATE COMMUNITY COLLEGE MARITIME TRAINING CENTER RENOVATION
925 DAUPHIN ISLAND PKWY.
MOBILE, AL 36605

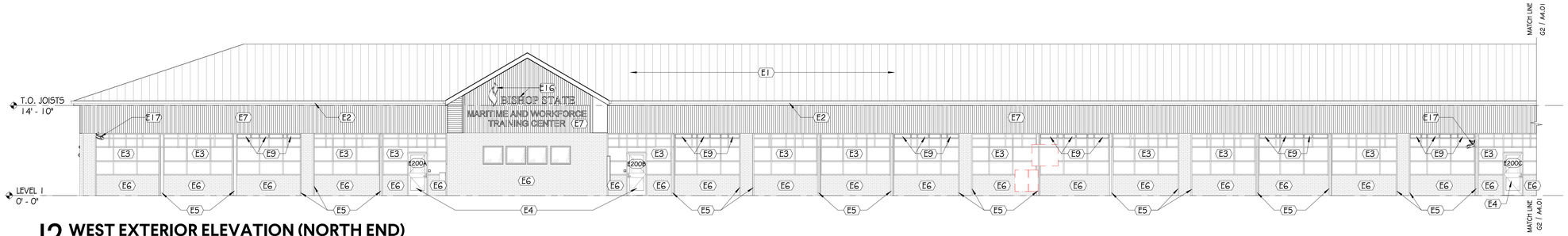
ACCS: 2025144 BISHOP
GMC AMOB260006

STATE OF ALABAMA
REGISTERED ARCHITECT
9955
James W. Lee
MOBILE ALABAMA

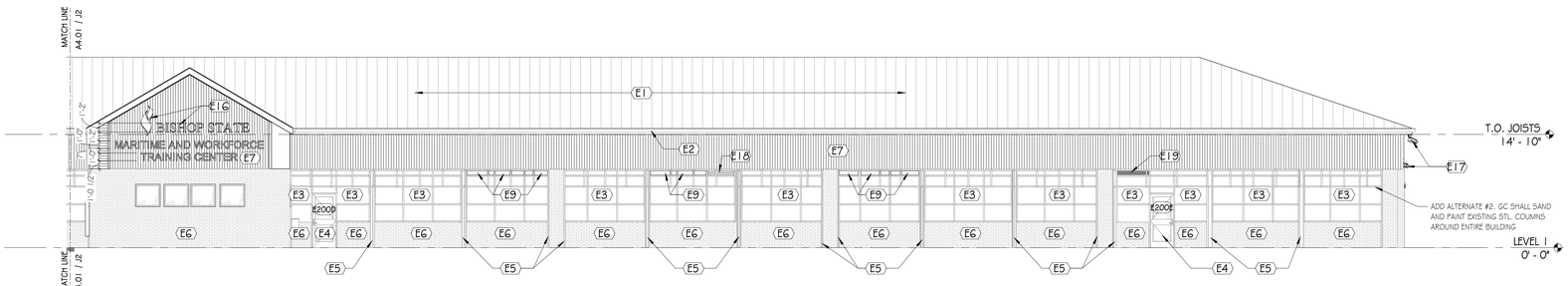
NEW REFLECTED CEILING PLAN

A2.01

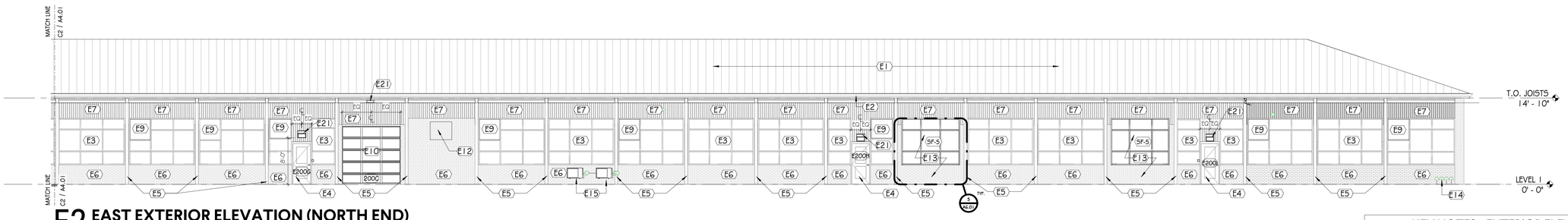
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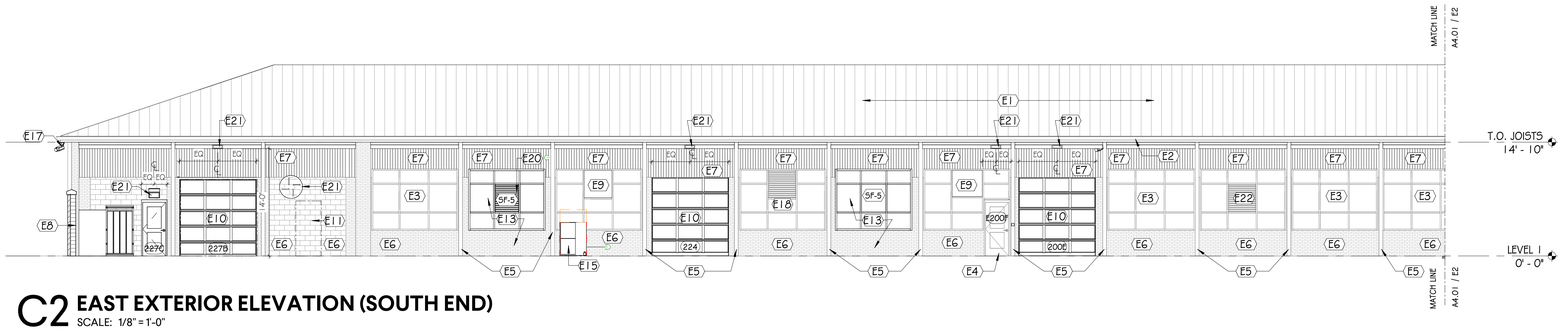
J2 WEST EXTERIOR ELEVATION (NORTH END)
SCALE: 1/8" = 1'-0"



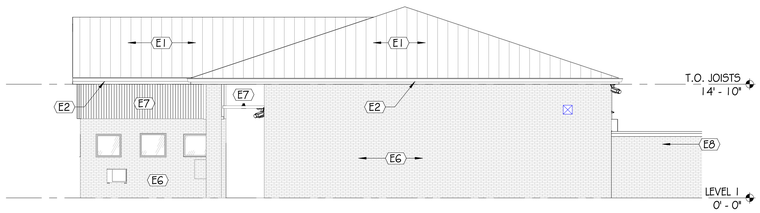
G2 WEST EXTERIOR ELEVATION (SOUTH END)
SCALE: 1/8" = 1'-0"



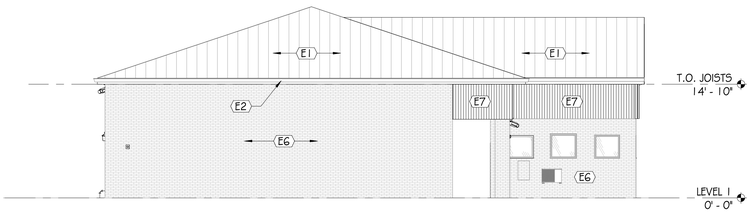
E2 EAST EXTERIOR ELEVATION (NORTH END)
SCALE: 1/8" = 1'-0"



C2 EAST EXTERIOR ELEVATION (SOUTH END)
SCALE: 1/8" = 1'-0"



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



A6 EXTERIOR ELEVATION
SCALE: 1/8" = 1'-0"

KEY NOTES - EXTERIOR ELEVATIONS

KEY	KEYNOTE
E1	PROTECT EXISTING ROOFING SYSTEM TO REMAIN.
E2	PROTECT EXISTING GUTTER AND DOWNSPOUTS TO REMAIN.
E3	PROTECT EXISTING STOREFRONT TO REMAIN. CONTRACTOR SHALL CLEAN WINDOWS BEFORE HANDING THE SITE BACK TO THE OWNER.
E4	PROTECT EXISTING EXTERIOR DOOR TO REMAIN. CONTRACTOR SHALL CLEAN DOORS BEFORE HANDING THE SITE BACK TO THE OWNER.
E5	GC SHALL FIELD VERIFY THE CONDITION OF COLUMN PROTECTIVE COVERS AND REPAIR OR REPLACE ALL DAMAGED MATERIALS AND PROPERLY SEAL. EXISTING PIPE COLUMN TO REMAIN.
E6	PROTECT EXISTING BRICK VENEER TO REMAIN.
E7	PROTECT EXISTING METAL PANELS TO REMAIN.
E8	GC SHALL PROVIDE AND INSTALL A NEW 8' TALL BRICK OVER CMU WALL WITH A PRECAST CAP. COORDINATE WITH DETAIL AND STRUCTURAL.
E9	GC SHALL REMOVE AND REPLACE ANY HOLES, LOUVERS OR MISSING GLAZING IN EXISTING STOREFRONT WITH NEW FROSTED GLAZING TO MATCH EXISTING. COORDINATE WITH SPECIFICATIONS
E10	GC SHALL DEMOLISH EXISTING OVERHEAD DOOR AND FRAME. THE GC SHALL PROVIDE AND INSTALL NEW OVERHEAD DOOR AND FRAME BY ARMRLITE DOOR MANUFACTURING CO. OR APPROVED EQUAL COORDINATE WITH ELECTRICAL AND SPECS.
E11	GC SHALL PATCH DEMOLISHED EXTERIOR DOOR WITH EXISTING ADJACENT WALL MATERIALS.COORDINATE WITH INFILL WALL DETAIL.
E12	GC SHALL PATCH AND SEAL EXISTING OPENING IN WALL WITH SIMILAR MATERIALS.COORDINATE WITH INFILL WALL DETAIL.
E13	GC SHALL DEMOLISH EXISTING OVERHEAD DOOR AND FRAME. THE GC SHALL PROVIDE AND INSTALL NEW WALL MATERIALS AND STOREFRONT TO MATCH THE EXISTING STOREFRONT. COORDINATE WITH STOREFRONT DETAILS.
E14	PROTECT EXISTING FIRE RISER PIPING TO REMAIN.
E15	GC SHALL PROVIDE AND INSTALL NEW OUTDOOR MINI-SPLIT UNIT AND PROPERLY MOUNT UNIT PER MANUFACTURERS WRITTEN INSTRUCTIONS. COORDINATE WITH MECHANICAL.
E16	GC SHALL PROVIDE AND INSTALL NEW LETTERING AND LOGO, CENTERED ON METAL PANEL. COORDINATE WITH SPECS.
E17	GC SHALL PROVIDE AND INSTALL NEW SECURITY CAMERAS. COORDINATE WITH ELECTRICAL.
E18	GC SHALL PROTECT EXISTING STOREFRONT TO REMAIN. EXISTING LOUVER IN STOREFRONT SHALL BE USED TO INSTALL NEW EQUIPMENT ON MECHANICAL DRAWINGS.
E19	PROTECT EXISTING STOREFRONT TO REMAIN. GC SHALL REMOVE UPPER GLAZING WHERE MECHANICAL DAMPER SHALL BE INSTALLED. COORDINATE WITH MECHANICAL.
E20	GC SHALL PROVIDE AND INSTALL STOREFRONT TO MATCH EXISTING WITH THE MIDDLE GLAZING BEING REPLACED BY MECHANICAL FAN WITH LOUVER. COORDINATE WITH MECHANICAL.
E21	GC SHALL PROVIDE AND INSTALL NEW LIGHT FIXTURES. COORDINATE WITH ELECTRICAL.
E22	GC SHALL REPLACE GLAZING WITH MECHANICAL LOUVER. COORDINATE WITH MECHANICAL.

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MOBILE, AL 36605

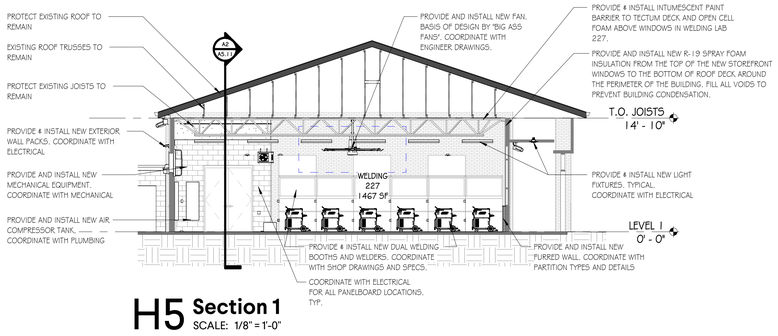
ACCS: 2025 144 BISHOP
GMC AMOB260006

STATE OF ALABAMA
5955
JAMES WOOD
REGISTERED ARCHITECT
MOBILE, ALABAMA

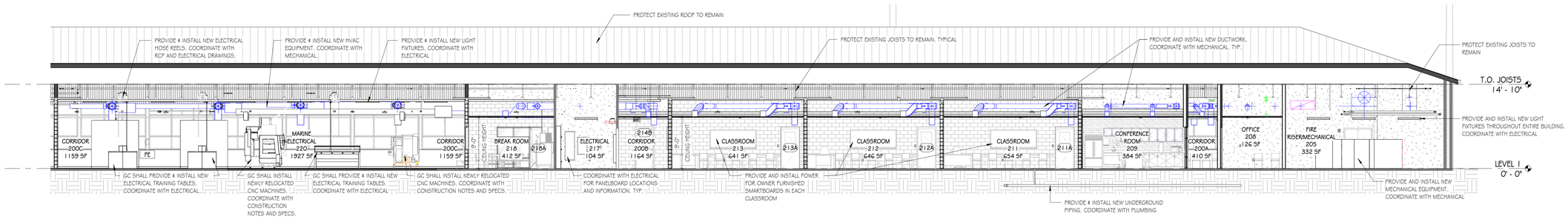
EXTERIOR ELEVATIONS

A4.01

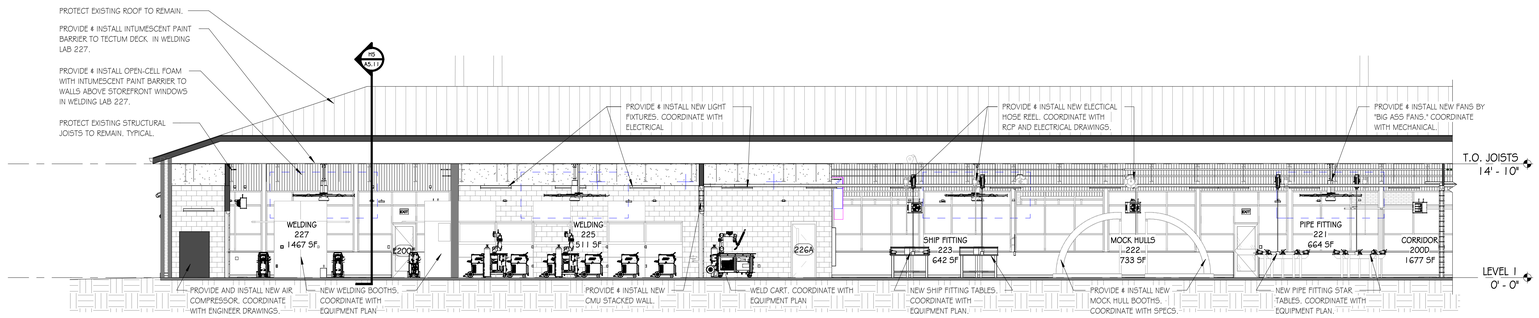
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H5 Section 1
SCALE: 1/8" = 1'-0"



E2 Section 2
SCALE: 1/8" = 1'-0"



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

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MOBILE, AL 36605

ACCS: 2025.144 BISHOP
GMC: AMOB260006

STATE OF ALABAMA
REGISTERED ARCHITECT
39554
James Mills
MOBILE, ALABAMA

BUILDING SECTIONS

A5.11

10/27/2026 7:56:29 AM TEMPLATE VERSION: 2025.1

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	HARDWARE SET NO.	HOLD OPEN	FIRE ALARM INTERFACE	ACCESS CONTROL	HEAD	JAMB	SILL	FIRE RATING	NUMBERED NOTES
200A	LOBBY	6' - 0"	7' - 2"	1 3/4"	FG2	AL/GL	G1	SF-3	AL	11				D3/A6.02	G1/A6.02			PAIR,5,14,15,24
200B	CORRIDOR	4' - 0"	7' - 0"	1 3/4"	N	WD	G1	F13	HM	10				D5/A6.02	A7/A6.02			5,12,14,15,17,24
200C	CORRIDOR	10' - 0"	10' - 3"	2"	RS					8				D1/A6.02	A1/A6.02	D1/A6.02		22, LOCK
200D	CORRIDOR	6' - 0"	7' - 0"	1 3/4"	F	HM	-	F13	HM	10.1				D5/A6.02	A7/A6.02			PAIR, 5,12,14,15,17,24
200E	CORRIDOR	10' - 0"	10' - 3"	2"	RS					8				D1/A6.02	A1/A6.02	D1/A6.02		22, LOCK
201A	OFFICE	3' - 0"	7' - 2"	1 3/4"	FG	WD	G1	F10	HM	1				D8/A6.02	D7/A6.02			10,,14,15,17,24
202A	OFFICE	3' - 0"	7' - 2"	1 3/4"	FG	WD	G1	F10	HM	1				D8/A6.02	D7/A6.02			10,,14,15,17,24
203A	DIRECTORS OFFICE	3' - 0"	7' - 2"	1 3/4"	FG	WD	G1	F10	HM	1				D8/A6.02	D7/A6.02			10,,14,15,17,24
204A	OFFICE	3' - 0"	7' - 2"	1 3/4"	FG	WD	G1	F10	HM	1				D8/A6.02	D7/A6.02			10,,14,15,17,24
205A	FIRE RISER/MECHANICAL	4' - 8"	7' - 0"	1 3/4"	F	WD		F1	HM	2.2				D8/A6.02	D7/A6.02			PAIR,8,12,14,15,17,24,30,31
206A	OFFICE	3' - 0"	7' - 2"	1 3/4"	FG	WD	G1	F10	HM	1				D8/A6.02	D7/A6.02			10,,14,15,17,24
207A	UNISEX	3' - 0"	7' - 0"	1 3/4"	F	WD	-	F1	HM	3				D8/A6.02	D7/A6.02			7,12,14,15,19,24
208A	OFFICE	3' - 0"	7' - 2"	1 3/4"	FG	WD	G1	F10	HM	1				D5/A6.02	D7/A6.02			10,12,14,15,17,24
209A	CONFERENCE ROOM	3' - 0"	7' - 2"	1 3/4"	FG2	AL/GL	G1	SF-2	AL	4				D3/A6.02	G1/A6.02			10,12,15,24
210A	WORK RM	3' - 0"	7' - 0"	1 3/4"	N3	WD	G1	F1	HM	1				D8/A6.02	D7/A6.02			10,,14,15,17,24
211A	CLASSROOM	3' - 0"	7' - 0"	1 3/4"	HG	WD	G1	F13	HM	1				D5/A6.02	A7/A6.02			10,,14,15,17,24
212A	CLASSROOM	3' - 0"	7' - 0"	1 3/4"	HG	WD	G1	F13	HM	1				D5/A6.02	A7/A6.02			10,,14,15,17,24
213A	CLASSROOM	3' - 0"	7' - 0"	1 3/4"	HG	WD	G1	F13	HM	1				D5/A6.02	A7/A6.02			10,,14,15,17,24
214A	TOOL STORAGE	3' - 0"	7' - 0"	1 3/4"	HG	WD	G1	F13	HM	2				D5/A6.02	A7/A6.02			8,12,14,15,17,24
214B	TOOL STORAGE	3' - 0"	7' - 0"	1 3/4"	HG	WD	G1	F13	HM	2				D5/A6.02	A7/A6.02			8,12,14,15,17,24
215A	STORAGE	3' - 0"	7' - 0"	1 3/4"	F	WD		F13	HM	2				D5/A6.02	A7/A6.02			8,12,14,15,17,24
216A	IT CLOSET	3' - 0"	7' - 0"	1 3/4"	F	WD		F13	HM	7				D5/A6.02	A7/A6.02			8,12,15,17
218A	BREAK ROOM	3' - 0"	7' - 2"	1 3/4"	FG2	AL/GL	G1	SF-4	AL	2.1				A3/A6.02	G3/A6.02			8,12,14,15,24
219A	MECHANICAL ROOM	6' - 0"	7' - 0"	1 3/4"	N	WD	G1	F13	HM	2.3				D5/A6.02	A7/A6.02			PAIR,8,12,14,15,17,24
224	OPEN AREA	10' - 0"	10' - 3"	2"	RS					8				D1/A6.02	A1/A6.02	D1/A6.02		22, LOCK
225A	WELDING	6' - 0"	8' - 4"	1 3/4"	F	HM	-	F1	HM	12				D5/A6.02	A7/A6.02			PAIR,5,10,12,13,15,24
226A	CLASSROOM	3' - 0"	7' - 0"	1 3/4"	N3	WD	G1	F13	HM	1				D5/A6.02	A7/A6.02			10,,14,15,17,24
226B	STORAGE	3' - 0"	7' - 0"	1 3/4"	F	HM	-	F13	HM	2				D5/A6.02	A7/A6.02			8,12,14,15,24
227A	WELDING	6' - 0"	7' - 0"	1 3/4"	HG	HM	G1	F13	HM	10.1				FIELD	VERIFY			PAIR,5,12,14,15,17,24
227B	WELDING	10' - 0"	10' - 3"	2"	RS					8				D1/A6.02	A1/A6.02	D1/A6.02		22, LOCK
227C	WELDING	3' - 0"	7' - 0"	1 3/4"	FG2	HM	G1	F1	HM	5.2				NEW DOOR	EX FRAME			5
228A	AIR COMPRESSOR ROOM	6' - 0"	8' - 4"	1 3/4"	F	HM	-	F1	HM	10.1				D5/A6.02	A7/A6.02			PAIR,5,12,14,15,17,24
E200A	LOBBY	3' - 0"	7' - 0"	1 3/4"	FG2	AL/GL	G1	SF/CW	AL	5.1			X	EXISTING	DOOR			4,5,6
E200B	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	FG2	AL/GL	G1	SF/CW	AL	5.1			X	EXISTING	DOOR			4,5,6
E200C	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	FG2	AL/GL	G1	SF/CW	AL	6.1				EXISTING	DOOR			4,5
E200D	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	FG2	AL/GL	G1	SF/CW	AL	6.1				EXISTING	DOOR			4,5
E200E	WELDING	3' - 0"	7' - 0"	1 3/4"	FG2	AL/GL	G1	SF/CW	AL	6.1				EXISTING	DOOR			4,5
E200F	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	FG2	HM	G1	F1	HM	5			X	EXISTING	DOOR			4,5,6
E200G	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	FG2	HM	G1	F1	HM	5			X	EXISTING	DOOR			4,5,6
E200H	CLASSROOM	3' - 0"	7' - 0"	1 3/4"	FG2	HM	G1	F1	HM	6				EXISTING	DOOR			4,29
E200I	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	FG2	HM	G1	F1	HM	5			X	EXISTING	DOOR			4,5,6

GLASS SCHEDULE

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

MONOLITHIC:

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

INSULATING:

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

DOOR NUMBERED NOTES

01 RIM CYLINDER
02 AUTOMATIC DOOR OPERATOR, SEE SPECIFICATION 08 7100
03 AUTOMATIC ENTRANCE DOORS, SEE SPECIFICATIONS
04 EXISTING DOOR, EXISTING DOOR FRAME, SOME NEW HARDWARE. MODIFY EXISTING DOOR AND FRAME AS REQUIRED.
05 PANIC HARDWARE/ EXIT DEVICE
06 CARD READER
07 PRIVACY LOCK
08 STORE ROOM LOCK
09 CLASSROOM SECURITY LOCK
10 OFFICE LOCK
11 ENTRY LOCK
12 DOOR CLOSER
13 FLOOR STOP
14 DOOR WALL STOP
15 HINGES
16 SOUND RATED DOOR ASSEMBLY. MATCH RATING OF PARTITION IN WHICH LOCATED
17 KICK PLATE
18 EGRESS - EXIT ONLY DOOR
19 MOP PLATE
20 DOOR THRESHOLD
21 PROVIDE SMOKE SEALS AND POSITIVE LATCHING
22 NEW OVERHEAD DOOR
23 DOOR GASKETS/ WEATHER STRIP
24 SILENCERS
25 PASSAGE LOCK
26 OVERHEAD DOOR STOP
27 RAINGUARD/ OVERHEAD DRIP CAP
28 DOOR SWEEP
29 BLANK PLATE- NOT TO BE USED
30 MANUAL FLUSH BOLT
31 DUST PROOF STRIKE

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
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'):

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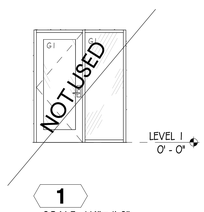
G1	6.0mm	CLEAR, TEMPERED (INCREASE TO 12.0mm TH. AT 2-SIDED GLAZING)
G1A	6.0mm	CLEAR, HEAT STRENGTHENED
G2	6.0mm	ULTRACLEAR, TEMPERED
G4	7.5mm	CLEAR, LAMINATED, INTERLAYER COLOR: CLEAR
G5	7.5mm	ULTRACLEAR, LAMINATED, INTERLAYOR COLOR: CLEAR
G6	7.5mm	CLEAR, LAMINATED, INTERLAYER COLOR: ARCTIC SNOW
G7	8.0mm	CLEAR, FIRE-RATED CERAMIC GLAZING, MATCH RATING OF OPENING
G9	VARIES	SPECIALTY GLASS, (IF SCHEDULED, SEE SPECIFICATION 08 8000)

INSULATING:

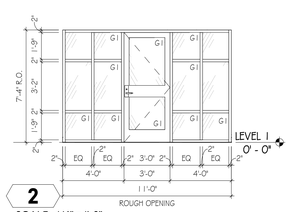
IG1	1 inch	INSULATING, VISION LITE
IG2	1 inch	INSULATING, SPANDREL LITE
IG3	1 5/16 in.	INSULATING, LAMINATED, VISION LITE
IG4	1 5/16 in.	INSULATING, LAMINATED, SPANDREL LITE

4) LOUVERS:
A. DOOR LOUVER TYPES INDICATION ON THE SCHEDULE ARE AS FOLLOWS:
L1 30" W 20" H, 55% FREE AREA, WEATHER RESISTANT, W/ INSECT SCREEN
L2 A' W X B" H, LIGHT PROOF
5) DOOR HARDWARE:
A. "HARDWARE SET NUMBER" REFERS TO HARDWARE SETS SPECIFIED IN SPECIFICATION SECTION 08 7100 "DOOR HARDWARE".

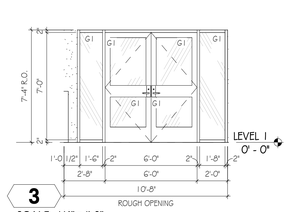
STOREFRONT ELEVATIONS



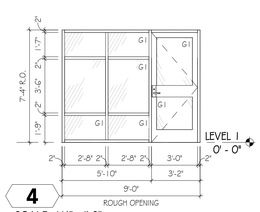
1
SCALE: 1/4" = 1'-0"



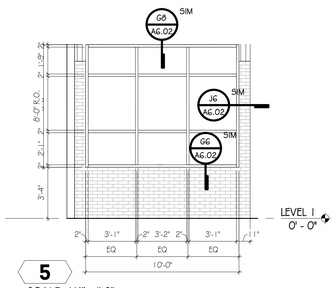
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SCALE: 1/4" = 1'-0"



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

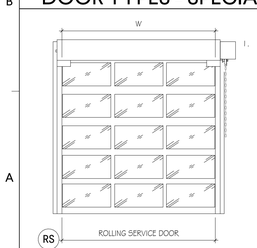


4
SCALE: 1/4" = 1'-0"



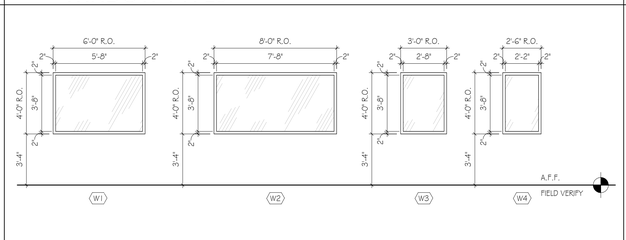
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SCALE: 1/4" = 1'-0"

DOOR TYPES - SPECIALTY DOORS

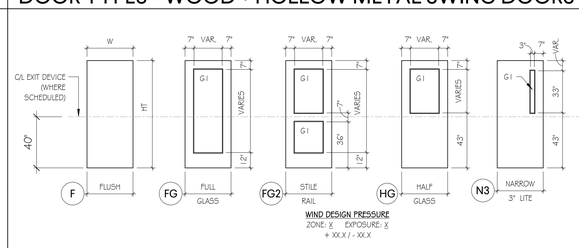


1. CONTRACTOR SHALL PROVIDE & INSTALL NEW HURRICANE IMPACT RESISTANT AND INSULATED OVERHEAD SECTIONAL DOOR:
A. TITAN MODEL BY ARM R LITE DOOR MANUFACTURING CO. OR APPROVED EQUAL.
B. 1" IMPACT RESISTANT 7 LAYER POLYCARBONATE CLEAR GLAZING. MINIMUM 20 YEAR WARRANTY.
C. CLEAR ANODIZED FINISH.
D. ELECTRIC MOTOR OPERATION; PROVIDE SIZE AND TYPE RECOMMENDED BY MANUFACTURER.
E. PUSH BUTTON OPERATED CONTROL STATION WITH OPEN, CLOSE, AND STOP BUTTONS

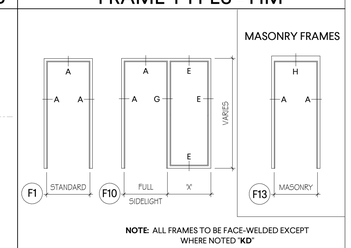
WINDOW TYPES



DOOR TYPES - WOOD + HOLLOW METAL SWING DOORS



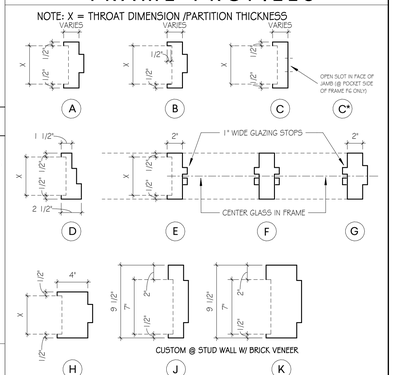
FRAME TYPES - HM



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

FRAME PROFILES

NOTE: X = THROAT DIMENSION /PARTITION THICKNESS



GMC
Goodwyn Mills Cawood, LLC
11 North Water Street, Suite 15250
Mobile, AL 36602
T 251.460.4006
GMCNETWORK.COM

ISSUE
IFB SET DATE 10/26/2026

DRAWN BY: H.S.
CHECKED BY: J.W.

BISHOP STATE COMMUNITY COLLEGE MARITIME TRAINING CENTER RENOVATION
925 DAUPHIN ISLAND PKWY.
MOBILE, AL 36605

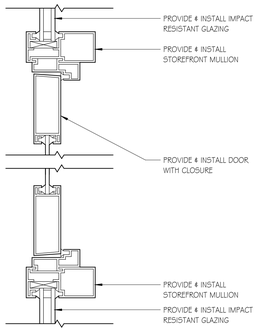
ACCS: 2025 144 BISHOP
GMC AMOB260006

STATE OF ALABAMA
REGISTERED ARCHITECT
5952
James W. Goodwyn
MOBILE ALABAMA

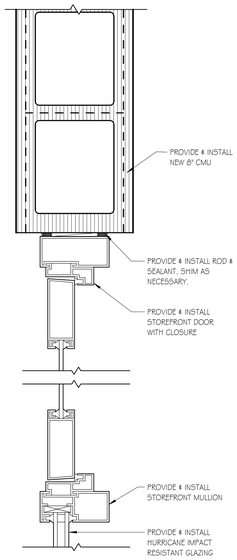
DOOR SCHEDULE, NOTES, & ELEVATIONS

A6.01

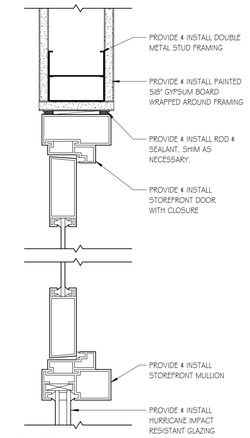
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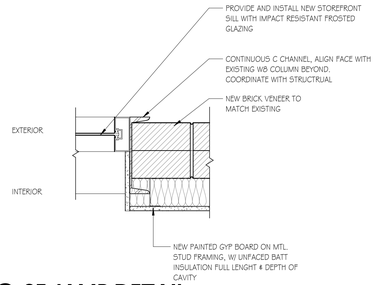
G1 SF JAMB DETAIL 3
SCALE: 3" = 1'-0"



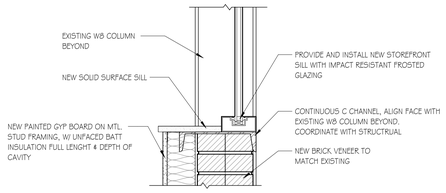
G3 SF JAMB DETAIL 2
SCALE: 3" = 1'-0"



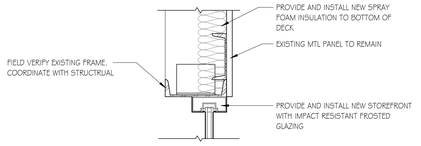
G5 SF JAMB DETAIL 1
SCALE: 3" = 1'-0"



J6 SF JAMB DETAIL
SCALE: 11/2" = 1'-0"



G6 SF SILL DETAIL
SCALE: 11/2" = 1'-0"



G8 SF HEAD DETAIL
SCALE: 11/2" = 1'-0"

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
STS	STEEL / STAINLESS OR STAINLESS CLAD
WD	SOLID CORE WOOD
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:

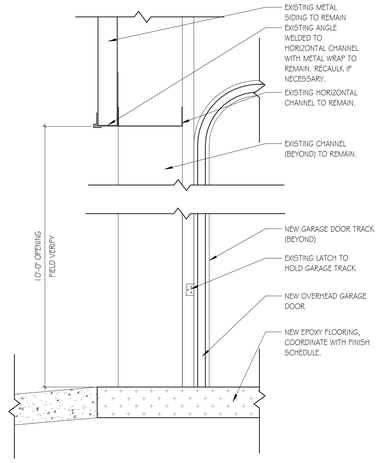
G1	6.0mm	CLEAR, TEMPERED (INCREASE TO 12.0mm TH. AT 2-SIDED GLAZING)
G1A	6.0mm	CLEAR, HEAT STRENGTHENED
G2	6.0mm	ULTRACLEAR, TEMPERED
G4	7.5mm	CLEAR, LAMINATED, INTERLAYER COLOR: CLEAR
G5	7.5mm	ULTRACLEAR, LAMINATED, INTERLAYOR COLOR: CLEAR
GG	7.5mm	CLEAR, LAMINATED, INTERLAYER COLOR: ARCTIC SNOW
G7	8.0mm	CLEAR, FIRE-RATED CERAMIC GLAZING, MATCH RATING OF OPENING
G9	VARIES	SPECIALTY GLASS, (IF SCHEDULED, SEE SPECIFICATION 08 8000)

INSULATING:

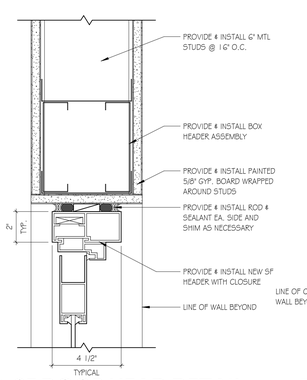
IG1	1 inch	INSULATING, VISION LITE
IG2	1 inch	INSULATING, SPANDREL LITE
IG3	1 5/16 in.	INSULATING, LAMINATED, VISION LITE
IG4	1 5/16 in.	INSULATING, LAMINATED, SPANDREL LITE

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

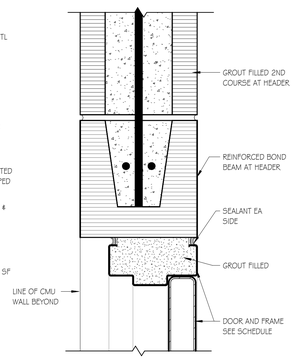
5) DOOR HARDWARE:
A. "HARDWARE SET NUMBER" REFERS TO HARDWARE SETS SPECIFIED IN SPECIFICATION SECTION 08 7100 "DOOR HARDWARE".



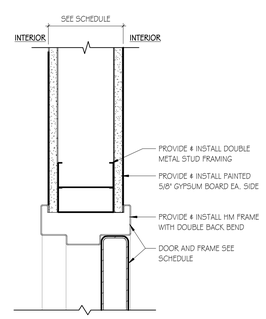
D1 OH DOO HEADER & FOOTER SECTION
SCALE: 3" = 1'-0"



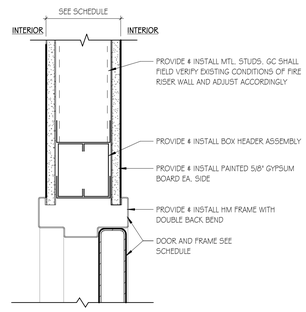
D3 SF DOOR HEAD DETAIL
SCALE: 3" = 1'-0"



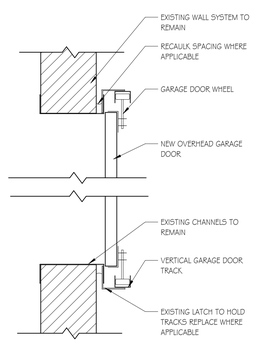
D5 CMU DOOR HEAD
SCALE: 3" = 1'-0"



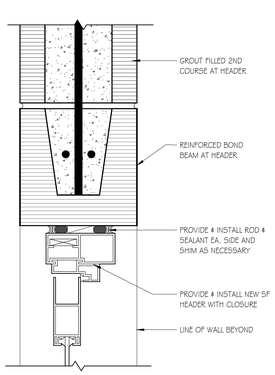
D7 INTER. DOOR JAMB
SCALE: 3" = 1'-0"



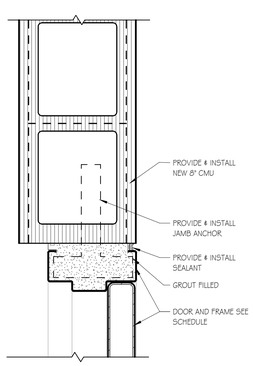
D8 INTER. DOOR HEAD
SCALE: 3" = 1'-0"



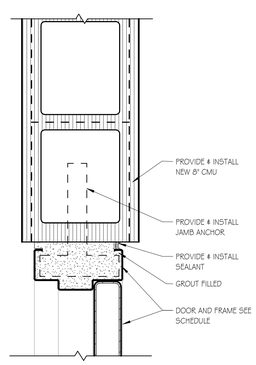
A1 OVERHEAD GARAGE JAMB SECTION
SCALE: 3" = 1'-0"



A3 SF CMU DOOR HEAD
SCALE: 3" = 1'-0"



A5 DOOR JAMB CMU
SCALE: 3" = 1'-0"



A7 INTER. DOOR JAMB CMU
SCALE: 3" = 1'-0"

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ISSUE DATE
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925 DAUPHIN ISLAND PKWY.
MOBILE, AL 36605

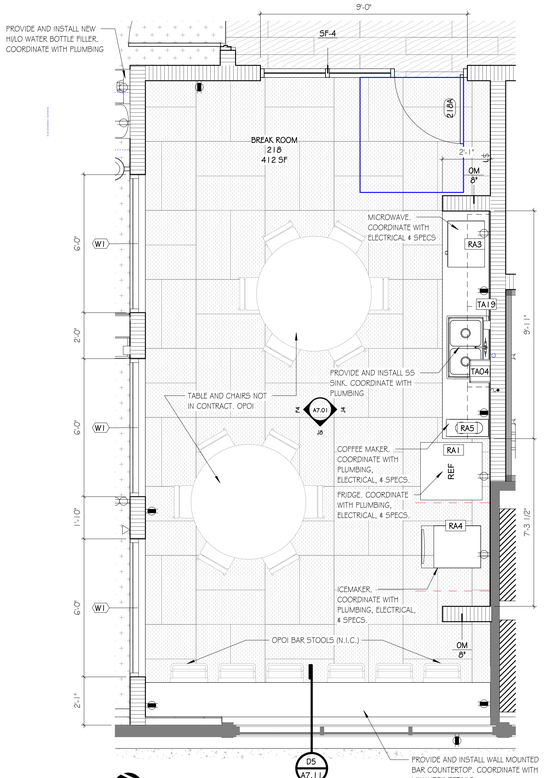
ACCS: 2025 144 BISHOP
GMC AMOB260006

STATE OF ALABAMA
JAMES W. [illegible]
9958
REGISTERED ARCHITECT
MOBILE ALABAMA

DOOR DETAILS

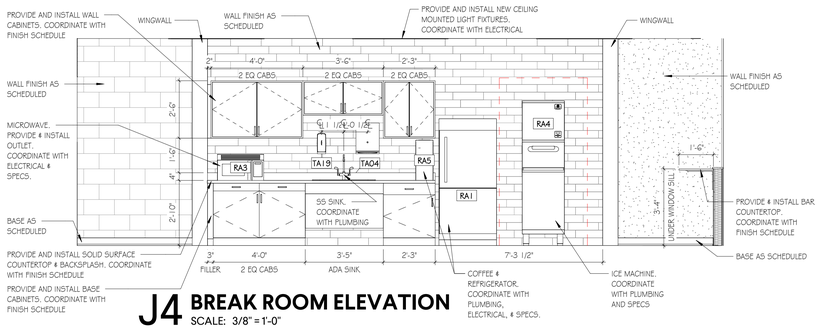
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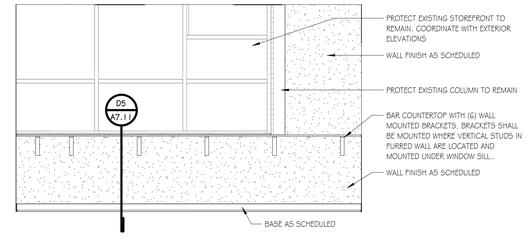


TRUE NORTH

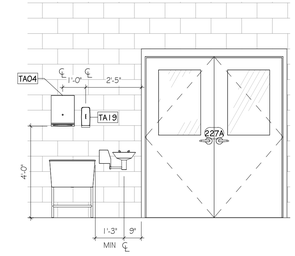
F1 ENLARGED PLAN
SCALE: 3/8" = 1'-0"



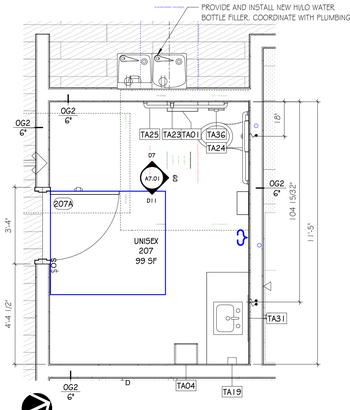
J4 BREAK ROOM ELEVATION
SCALE: 3/8" = 1'-0"



J8 BREAK ROOM ELEVATION
SCALE: 3/8" = 1'-0"

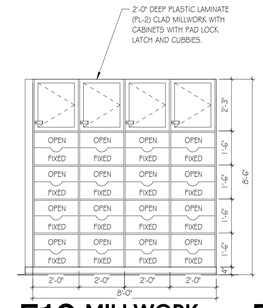


J11 INT. ELEVATION
SCALE: 3/8" = 1'-0"

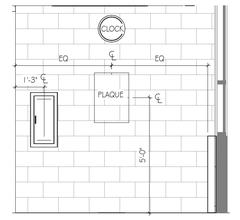


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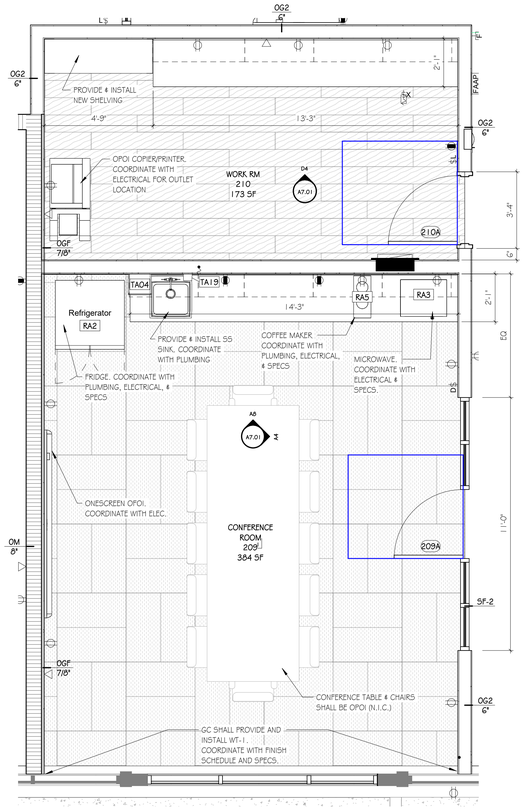
F8 ENLARGED PLAN
SCALE: 3/8" = 1'-0"



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

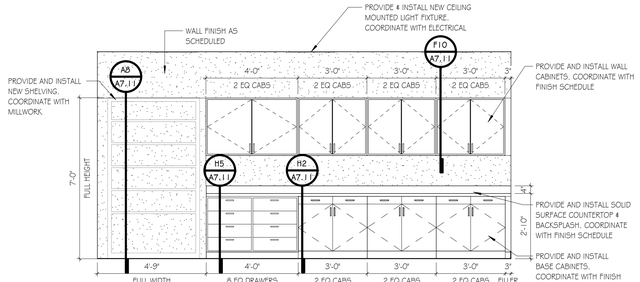


F11 PLAQUE ELEVATION
SCALE: 3/8" = 1'-0"

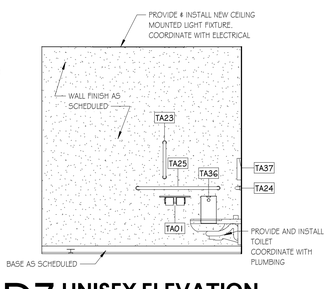


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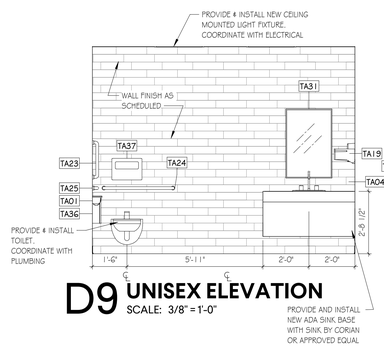
A1 ENLARGED PLAN
SCALE: 3/8" = 1'-0"



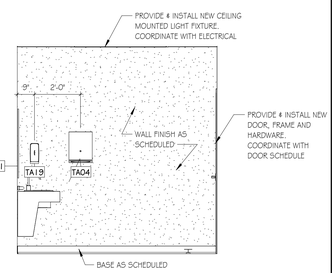
D4 WORK ROOM ELEVATION
SCALE: 3/8" = 1'-0"



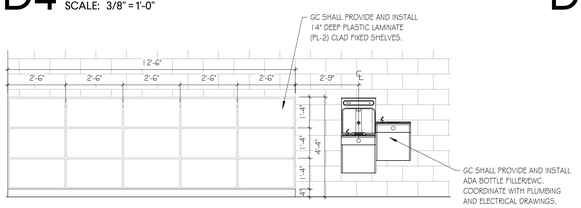
D7 UNISEX ELEVATION
SCALE: 3/8" = 1'-0"



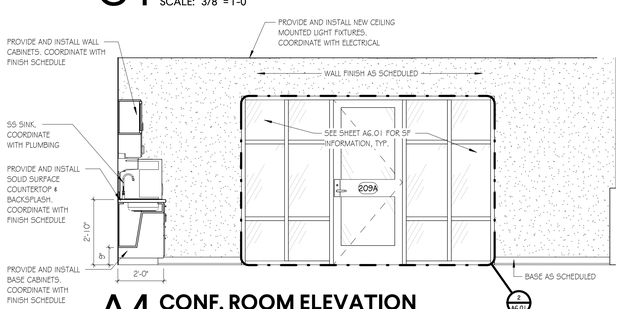
D9 UNISEX ELEVATION
SCALE: 3/8" = 1'-0"



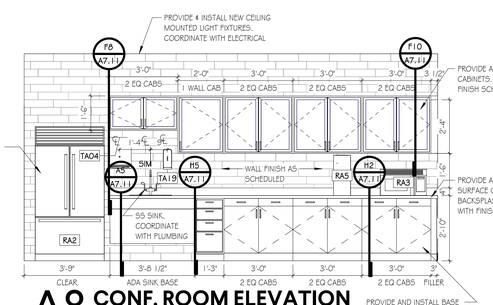
D11 UNISEX ELEVATION
SCALE: 3/8" = 1'-0"



C4 WELDING JACKETS MILLWORK
SCALE: 3/8" = 1'-0"



A4 CONF. ROOM ELEVATION
SCALE: 3/8" = 1'-0"



A8 CONF. ROOM ELEVATION
SCALE: 3/8" = 1'-0"

ACCESSORIES SCHEDULE

TAG	DESCRIPTION	RESPONSIBILITY
TA01	TOILET TISSUE DISPENSER	OFCI
TA04	PAPER TOWEL DISPENSER, AUTOMATIC	OFCI
TA19	SOAP DISPENSER - LIQUID, AUTOMATIC	OFCI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	CFCI
TA33	ROBE HOOK (ADA SIDE APPROACH)	CFCI
TA36	SANITARY NAPKIN DISPOSAL - SURF-MT, BOTTOM HINGED	CFCI
TA37	SEAT COVER DISPENSER, SURFACE-MOUNT	CFCI

SPECIALTY EQUIPMENT SCHEDULE

TAG	DESCRIPTION	RESPONSIBILITY
RA1	SINGLE DOOR REFRIGERATOR	CFCI
RA2	DOUBLE DOOR REFRIGERATOR	OFCI
RA3	MICROWAVE	CONF. RM -OFCI, BREAK RM CFCI
RA4	ICE MAKER W/BIN	OFCI
RA5	COFFEE MAKER	CFCI

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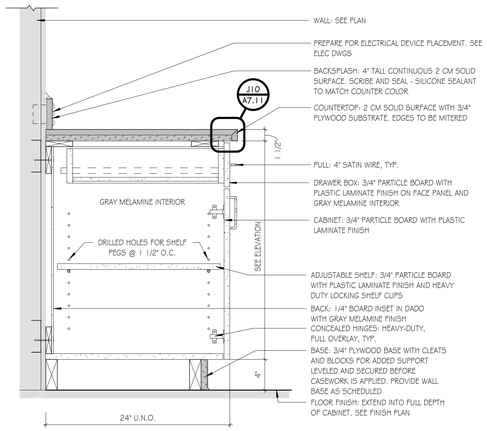
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GMC AMOB260006

STATE OF ALABAMA
REGISTERED ARCHITECT
5955
James S. Cawood
MOBILE, ALABAMA

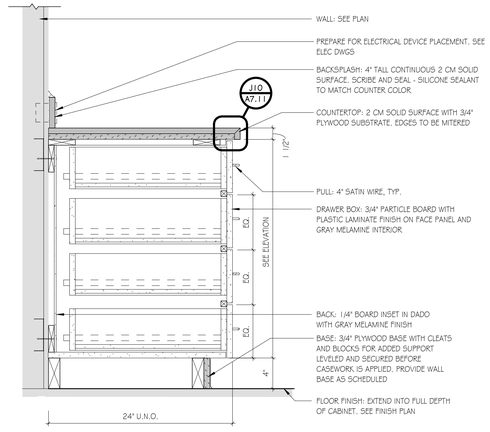
ENLARGED PLANS & INTERIOR ELEVATIONS

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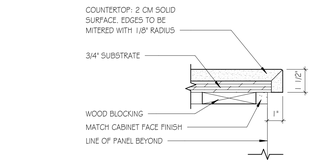
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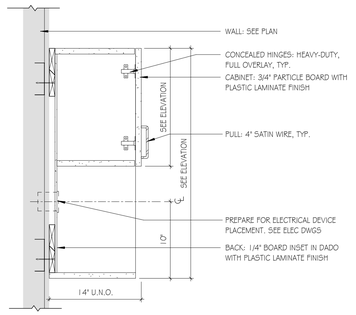
H2 TYP. BASE CABINET
SCALE: 1 1/2" = 1'-0"



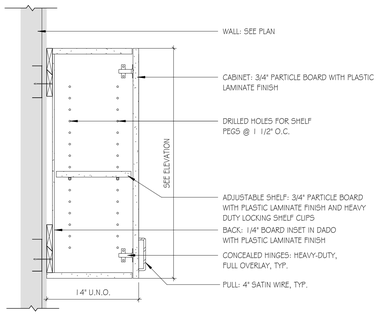
H5 TYP. BASE CABINET
SCALE: 1 1/2" = 1'-0"



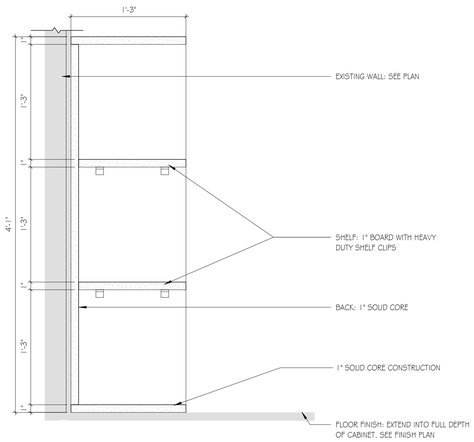
J10 SOLID SURFACE COUNTERTOP DETAIL
SCALE: 3" = 1'-0"



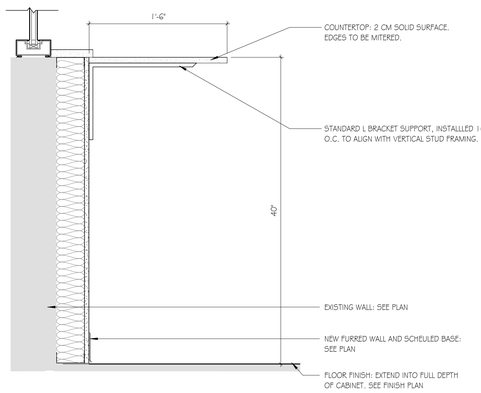
F8 TYP. UPPER CABINET
SCALE: 1 1/2" = 1'-0"



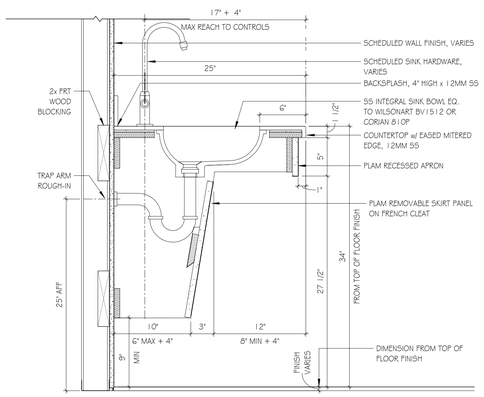
F10 TYP. UPPER CABINET
SCALE: 1 1/2" = 1'-0"



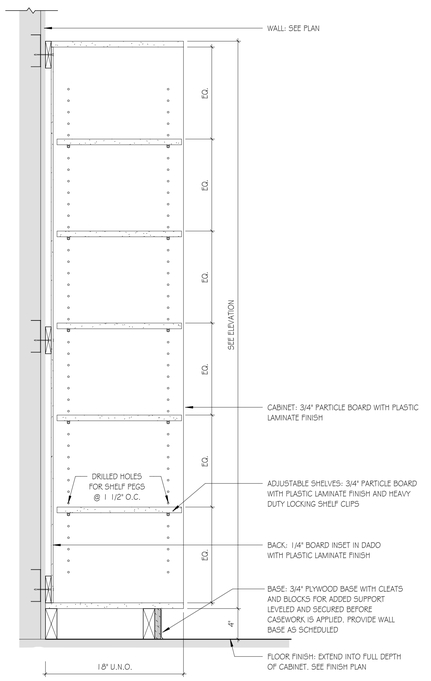
D2 WELDING JACKET CUBBY
SCALE: 1 1/2" = 1'-0"



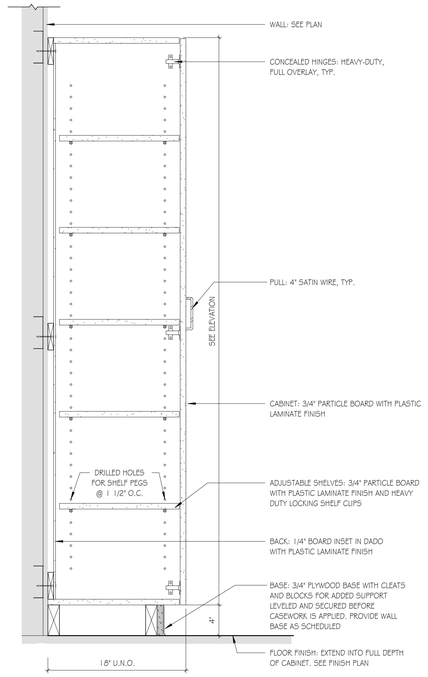
D5 TYP. BAR COUNTERTOP
SCALE: 1 1/2" = 1'-0"



A5 ADA SINKBASE-TYPE SS-I-SS-B-25
SCALE: 1 1/2" = 1'-0"



A8 TYP. TALL CABINET
SCALE: 1 1/2" = 1'-0"



A10 TYP. TALL CABINET
SCALE: 1 1/2" = 1'-0"

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ACCS: 2025 144 BISHOP
GMC AMOB260006

STATE OF ALABAMA
REGISTERED ARCHITECT
5955
James W. Cox
MOBILE, ALABAMA

MILLWORK DETAILS

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FINISH NOTES

FLOORS:

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

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

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

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

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

RENOVATION: THESE SHOULD BE IN FINISH LEGEND

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

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

WALLS:

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

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

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

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

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

MILLWORK / CASEWORK:

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

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

- GROMMET LOCATIONS TO BE COORDINATED WITH OWNER

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

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

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

MISC:

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

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

- PROVIDE BLOCKING FOR ALL GRAB BARS AND TOILET ACCESSORIES

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

- 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.

-ALL EXPOSED CONDUITS AND ELECTRICAL PANELS SHALL BE PAINTED TO MATCH ADJACENT SURFACE.

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.

FINISH LEGEND

FLOOR

NUMBER	TYPE	DETAIL DESCRIPTION
LVT-1	LUXURY VINYL TILE	MANUFACTURER: J&J INDUSTRIES STYLE NAME: V5001 FRAMEWORK COLOR: 1015 BEAM SIZE: 9"X48"X 3/16" THK PLANK INSTALLATION: ASHLAR LOCATION: SEE FINISH SCHEDULE
LVT-2	LUXURY VINYL TILE	MANUFACTURER: J&J INDUSTRIES STYLE NAME: V5003 TATAMI COLOR: 1019 EDO SIZE: 18"X36"X3/16" THK TILE INSTALLATION: PARQUET LOCATION: SEE FINISH SCHEDULE
SC-1	SEALED CONCRETE	MANUFACTURER: EUCLID CHEMICAL STYLE NAME: EUCO DIAMOND HARD LOCATION: SEE FINISH SCHEDULE
EF-1	EPOXY FLOORING	MANUFACTURER: STONHARD STYLE NAME: STONTEC TRF COLOR: PLATINUM LARGE LOCATION: RESTROOM; SEE FIN. SCHED.
EF-2	EPOXY FLOORING STRIPE	MANUFACTURER: STONHARD STYLE NAME: STONTEC TRF COLOR: PA7 SAFETY YELLOW THICKNESS: 4" STRIPE LOCATION: SEE FINISH PLAN
EF-3	EPOXY FLOORING	MANUFACTURER: STONHARD STYLE NAME: STONCLAD UR COLOR: CHARCOAL LOCATION: LABS; SEE FINISH SCHEDULE

BASE

NUMBER	TYPE	DETAIL DESCRIPTION
RB-1	RUBBER BASE	MANUFACTURER: JOHNSONITE STYLE NAME: DURACOVE COLOR: 063 BURNT UMBER SIZE / PROFILE: 4" COVE LOCATION: SEE FINISH SCHEDULE
EB-1	EPOXY BASE	MANUFACTURER: STONHARD STYLE NAME: STONTEC TRF COLOR: PLATINUM LARGE SIZE: 6" H - FLASH COVE LOCATION: RESTROOM; SEE FIN. SCHED.
EB-3	EPOXY BASE	MANUFACTURER: STONHARD STYLE NAME: STONCLAD UR COLOR: CHARCOAL SIZE: 6" H - FLASH COVE LOCATION: LABS; SEE FINISH SCHEDULE

MISC

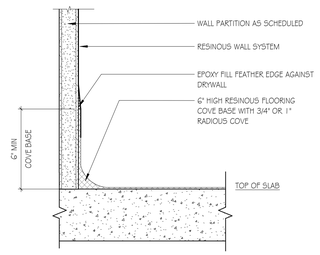
NUMBER	TYPE	DETAIL DESCRIPTION
PL-1	PLASTIC LAMINATE	MANUFACTURER: WILSONART STYLE NAME: 4623 COLOR: GRAPHITE NEBULA LOCATION: SEE FINISH SCHEDULE
PL-2	PLASTIC LAMINATE	MANUFACTURER: WILSONART STYLE NAME: 7966 COLOR: 5TH AVE. ELM LOCATION: SEE FINISH SCHEDULE
SS-1	SOLID SURFACE (COUNTERTOP)	MANUFACTURER: WILSONART COLOR: MILK GLASS SPECTRA 907751 (POLISHED) THICKNESS: 2 CM LOCATION: SEE FINISH SCHEDULE
SS-2	SOLID SURFACE (WINDOW SILL)	MANUFACTURER: WILSONART COLOR: DU5K ICE 9203CE (POLISHED) THICKNESS: 2 CM LOCATION: SEE FINISH SCHEDULE
WT-1	WINDOW TREATMENT	MANUFACTURER: MECHO SHADES STYLE NAME: MANUAL URBAN SHADES-5% OPENESS COLOR: ECOVEIL- GREY 1363 TRIM: CLEAR ANODIZED LOCATION: SEE FINISH PLAN

WALL

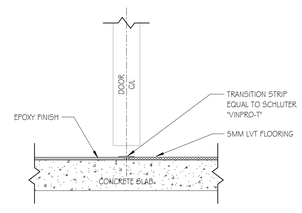
NUMBER	TYPE	DETAIL DESCRIPTION
PNT-1	[GENERAL/MAIN]	MANUFACTURER: SHERWIN WILLIAMS COLOR: FLEUR DE SEL SW7666 LOCATION: SEE FINISH SCHEDULE
PNT-2	[TRIM PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: GRIZZLE GRAY SW7068 LOCATION: INTERIOR TRIM
PNT-3	[MAIN CEILING/SOFFIT PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: EXTRA WHITE SW7006 LOCATION: SEE FINISH SCHEDULE
PNT-4	[ACCENT PAINT]	MANUFACTURER: BENJAMIN MOORE COLOR: MARTHA'S VINEYARD (630) LOCATION: SEE FINISH SCHEDULE & FINISH PLAN
PNT-5	[GENERAL PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: SKYLINE STEEL SW1015 LOCATION:OFFICES, SEE FINISH SCHEDULE
HWT-1	HARD WALL TILE	MANUFACTURER: DALTILE STYLE NAME: COLOR WHEEL LINEAR - SUBWAY TILE COLOR: ARCTIC WHITE 0190 SIZE: 4" X 16" INSTALLATION: ASHLAR GROUT: LATICRETE - 90 LIGHT PEWTER LOCATION: SEE FINISH SCHEDULE & FINISH PLAN

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALL	MILLWORK/CASEWORK CABINET	MILLWORK/CASEWORK COUNTERTOP	COMMENTS
200A	CORRIDOR	LVT-1	RB-1	PNT-1			HWT-1 BEHIND THE EWC
200B	CORRIDOR	LVT-1	RB-1	PNT-1			
200C	CORRIDOR	EF-3	EB-3	PNT-1			
200D	CORRIDOR	EF-3	EB-3	PNT-1	PL-2		
201	OFFICE	LVT-2	RB-1	PNT-5			
202	OFFICE	LVT-2	RB-1	PNT-5			
203	DIRECTORS OFFICE	LVT-2	RB-1	PNT-5			
204	OFFICE	LVT-2	RB-1	PNT-5			
205	FIRE RISER/MECHANICAL	EF-1	EB-1	PNT-1			
206	OFFICE	LVT-2	RB-1	PNT-5			
207	UNISEX	EF-1	EB-1	PNT-1	PL-2	SS-1	HWT-1 ON WET WALL.
208	OFFICE	LVT-2	RB-1	PNT-5			
209	CONFERENCE ROOM	LVT-2	RB-1	PNT-5	PL-1	SS-1	HWT-1 ON WET WALL, WT-1
210	WORK RM	LVT-1	RB-1	PNT-5	PL-1	SS-1	
211	CLASSROOM	LVT-2	RB-1	PNT-5			
212	CLASSROOM	LVT-2	RB-1	PNT-5			
213	CLASSROOM	LVT-2	RB-1	PNT-5			
214	TOOL STORAGE	EF-1	EB-1	PNT-1			
215	STORAGE	LVT-2	RB-1	PNT-1			
216	IT CLOSET	EF-1	EB-1	PNT-1			
217	ELECTRICAL	EF-1	EB-1	PNT-1			
218	BREAK ROOM	LVT-2	RB-1	PNT-5	PL-1	SS-1	HWT-1 ON WET WALL
219	MECHANICAL ROOM	SC-1	RB-1	PNT-1	PL-1		
220	MARINE ELECTRICAL	EF-3	EB-3	PNT-1	PL-2		EF-2 STRIPE ON FLOOR
221	PIPE FITTING	EF-3	EB-3	PNT-1			EF-2 STRIPE ON FLOOR
222	MOCK HULLS	EF-3	EB-3	PNT-1			EF-2 STRIPE ON FLOOR
223	SHIP FITTING	EF-3	EB-3	PNT-1			EF-2 STRIPE ON FLOOR
224	OPEN AREA	EF-3	EB-3	PNT-1			EF-2 STRIPE ON FLOOR
225	WELDING	SC-1	-	PNT-1			
226	CLASSROOM	LVT-2	RB-1	PNT-5			
226B	STORAGE	EF-3	EB-3	PNT-1			
227	WELDING	SC-1	-	PNT-1			
228	AIR COMPRESSOR ROOM	SC-1	-	PNT-1			

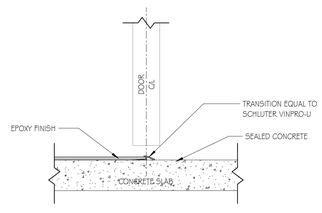


A3 INTEGRAL COVE BASE/WALL TRANSITION
SCALE: 6" = 1'-0"



NOTE: IF EPOXY FINISH SYSTEM IS A DIFFERENT THICKNESS THAN 3/16", CHANGE TRANSITION PIECE

A6 EPOXY TO 5MM LVT
SCALE: 3" = 1'-0"



A8 EPOXY TO SEALED CONCRETE
SCALE: 3" = 1'-0"

GMC
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T 251.460.4006
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CHECKED BY: J.W.

BISHOP STATE COMMUNITY COLLEGE MARITIME TRAINING CENTER
RENOVATION
925 DAUPHIN ISLAND PKWY,
MOBILE, AL 36605

ACCS: 2025 144 BISHOP
GMC AMOB260006

STATE OF ALABAMA
REGISTERED ARCHITECT
595
MOBILE, ALABAMA

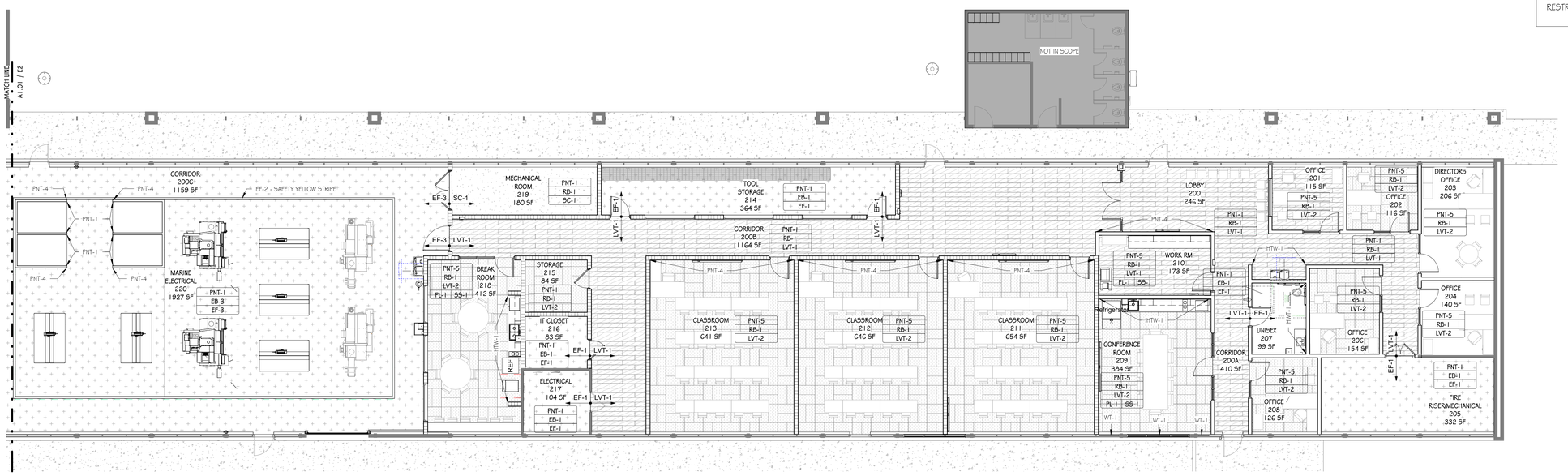
FINISH LEGEND & SCHEDULE

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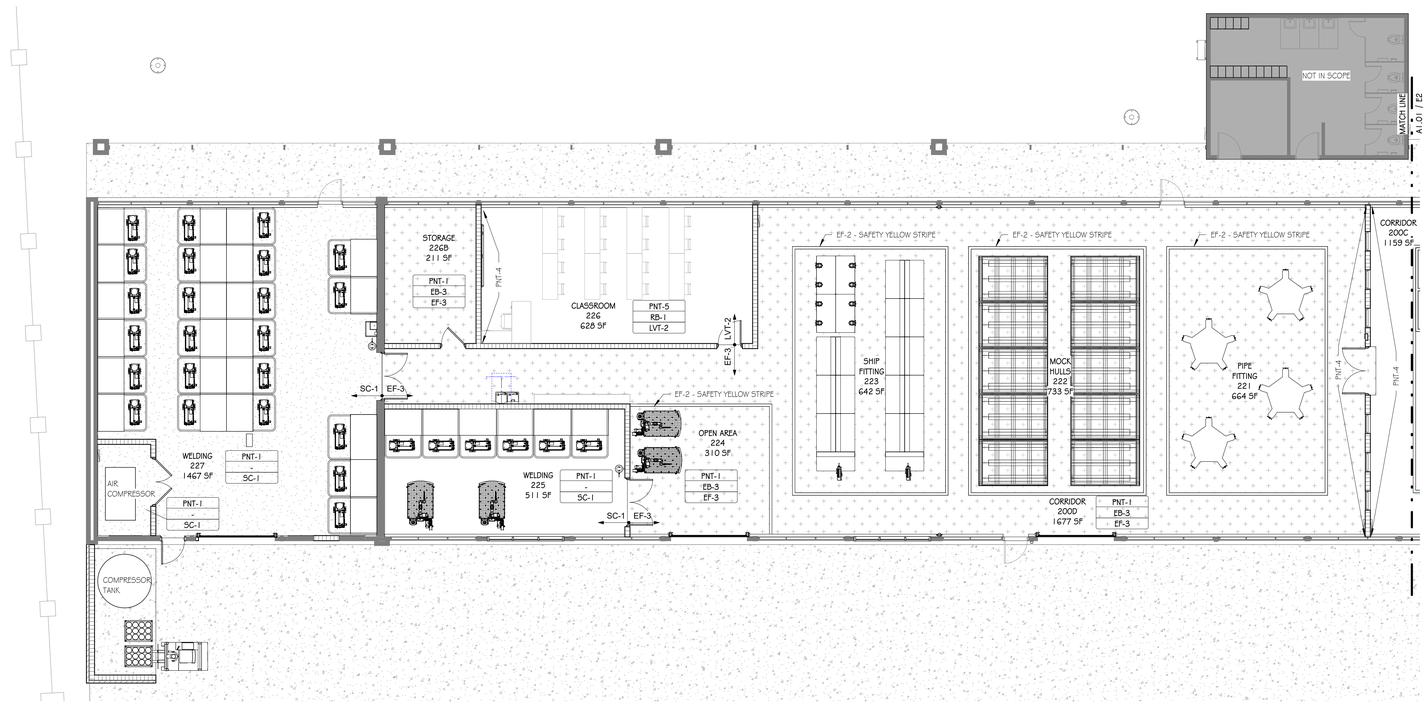
GENERAL NOTES - FINISH PLAN

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.



E1 FINISH FLOOR PLAN- NORTH

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



A1 FINISH FLOOR PLAN - SOUTH

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

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MOBILE, AL 36605

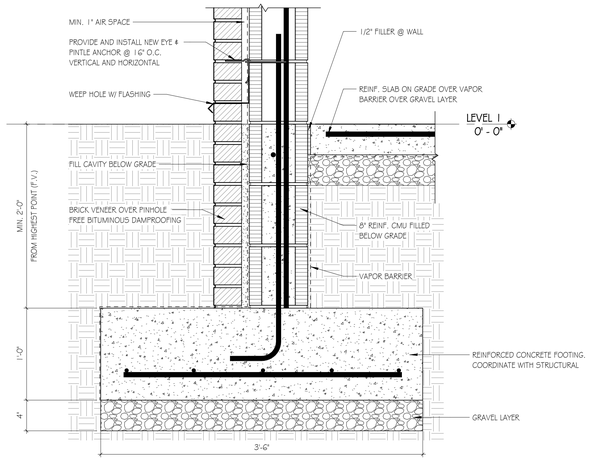
ACCS: 2025.144 BISHOP
GMC: AMOB260006

STATE OF ALABAMA
9955
James Wilson
REGISTERED ARCHITECT
MOBILE, ALABAMA

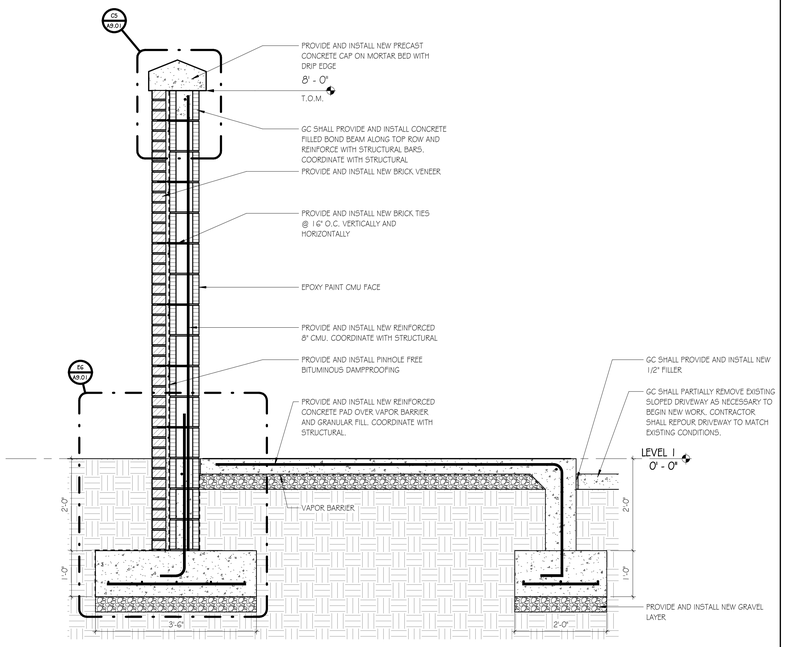
FINISH PLAN

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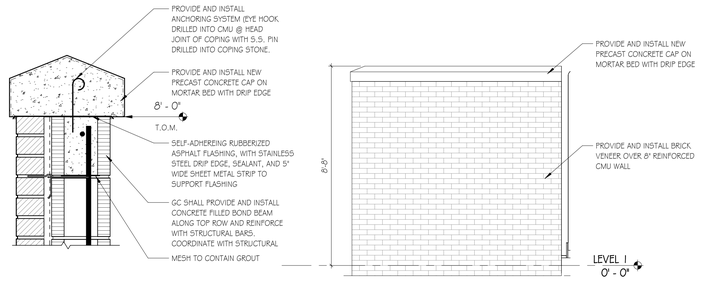
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E6 FOOTING DETAIL
SCALE: 1 1/2" = 1'-0"

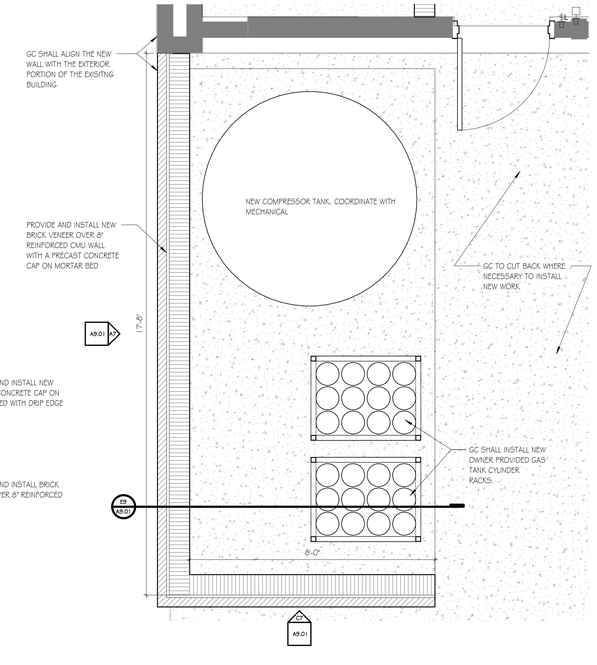


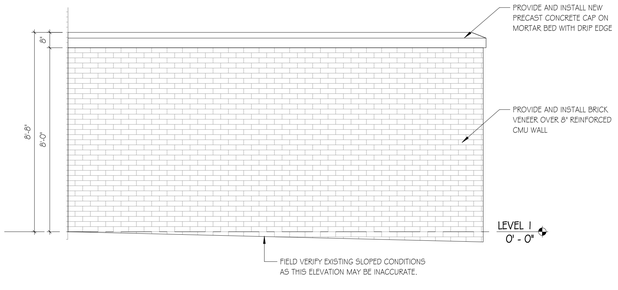
E9 TYP. WALL SECTION @ EQUIP. SCREEN WALL
SCALE: 3/4" = 1'-0"



C5 CAP DETAIL
SCALE: 1 1/2" = 1'-0"

C7 EQUIP. SCREEN WALL LOT ELEVATION
SCALE: 3/8" = 1'-0"





A7 EQUIP. SCREEN WALL STREET SIDE ELEVATION
SCALE: 3/8" = 1'-0"

A10 EQUIP. SCREEN WALL FLOOR PLAN
SCALE: 1/2" = 1'-0"

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ACCS: 2025 144 BISHOP
GMC AMOB260006

STATE OF ALABAMA
REGISTERED ARCHITECT
MOBILE, ALABAMA
3953
Jonathan Mills

EQUIPMENT SCREEN WALL PLAN & DETAILS

A9.01

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DEMOLITION NOTES:

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

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL CODES. WORK MUST CONFORM TO CONSTRUCTION SPECIFICATIONS.
2. CONTRACTOR SHALL FIELD VERIFY ALL FIELD CONDITIONS AND LOCATIONS OF ALL DUCTWORK, PIPING, AND EQUIPMENT SHOWN ON DRAWINGS. CONTRACTOR SHALL VERIFY CLEARANCES, ROUTING AND NEW TIE-INS PRIOR TO FABRICATION AND INSTALLATION.
3. CONTRACTOR SHALL CLOSELY COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL AND ELECTRICAL WORK, ETC. SHOWN OR SPECIFIED ON OTHER CONTRACT DOCUMENTS AND DRAWINGS.
4. CARE SHALL BE EXERCISED DURING SITE FABRICATION TO INSURE THAT NO INTERFERENCE WITH OPERATIONS OR OPERATING EQUIPMENT OCCURS. ANY WORK TO BE COMPLETED IN THE CONCURRENT WORK AREAS SHALL BE FULLY COORDINATED WITH THE OWNER OR OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK. ALL WORK PERFORMED IS TO BE ISOLATED AS TO INSURE NO DUST, DEBRIS, VAPORS, ETC. ENTER OCCUPIED OPERATING SPACES.
5. EQUIPMENT SHALL BE AS SCHEDULED ON DRAWINGS. WHERE ACCEPTABLE ALTERNATE MANUFACTURER'S ARE LISTED, EQUIPMENT SHALL BE OF EQUAL QUALITY AND CAPACITY AS THE EQUIPMENT SCHEDULED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ARRANGEMENT CHANGES REQUIRED TO ACCOMMODATE USE OF ALTERNATE EQUIPMENT. SUBSTITUTION OF OTHER EQUIPMENT SHALL BE SUBMITTED FOR APPROVAL IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATION.
6. MECHANICAL DRAWINGS ARE DIAGRAMMATIC AND SUBJECT TO REQUIREMENTS OF THE ARCHITECTURAL DRAWINGS AND CONDITIONS EXISTING IN THE FIELD. MECHANICAL DRAWINGS INDICATE GENERALLY THE LOCATION OF COMPONENTS AND ARE NOT INTENDED TO SHOW ALL FITTINGS OR ALL DETAILS OF THE WORK.
7. FOLLOW THE DRAWINGS CLOSELY, COORDINATE DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND FIELD CONDITIONS. DO NOT SCALE MECHANICAL DRAWINGS FOR LOCATIONS OF SYSTEM COMPONENTS. THE MECHANICAL CONTRACTOR SHALL VERIFY ALL NEW ROUTINGS, AND TIE-INS PRIOR TO THE FABRICATION AND INSTALLATION OF ANY DUCTWORK OR PIPING.
8. MAKE NO CHANGES WITHOUT THE ARCHITECT'S WRITTEN PERMISSION. IN CASE OF DOUBT, OBTAIN PRIME CONSULTANT'S DECISION BEFORE PROCEEDING WITH WORK. FAILURE TO FOLLOW THIS INSTRUCTION SHALL MAKE THE CONTRACTOR LIABLE FOR DAMAGE TO OTHER WORK AND RESPONSIBLE FOR REMOVING AND REPAIRING DEFECTIVE OR MISLOCATED WORK IN PROPER MANNER.
9. DO NOT SCALE DRAWINGS TO LOCATE DIFFUSERS AND EQUIPMENT, COORDINATE WITH NEW AND EXISTING LIGHTING, ELECTRICAL CONDUIT, SMOKE DETECTORS, CABLE RACK, CEILING GRIDS, AND EXISTING FIELD CONDITIONS.
10. PRIOR TO PREPARING SUBMITTALS VERIFY ALL EQUIPMENT VOLTAGES WITH THE ELECTRICAL DRAWINGS, AND ELECTRICAL CONTRACTOR AND REPORT ANY INCONSISTENCIES TO THE ARCHITECT AS SOON AS POSSIBLE AND BEFORE ORDERING ANY EQUIPMENT.
11. IF SYSTEMS INTERFERE OR CONFLICT, THE ARCHITECT SHALL DECIDE WHICH EQUIPMENT TO RELOCATE REGARDLESS OF WHICH WAS INSTALLED FIRST.
12. PROTECT MECHANICAL EQUIPMENT FROM DAMAGE DURING CONSTRUCTION WHEN INSTALLATION IS COMPLETE, CLEAN EQUIPMENT AND MAKE READY FOR PAINTING.
13. INSTALL ALL EQUIPMENT TO PROVIDE NORMAL (AND CODE REQUIRED) SERVICE ACCESS TO ALL COMPONENTS INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. IF MANUFACTURER'S INSTRUCTIONS CONFLICT WITH CONTRACT DOCUMENTS OBTAIN ARCHITECT'S DECISION BEFORE PROCEEDING.
14. FURNISH ACCESS DOORS FOR VALVES, FIRE DAMPERS, DAMPERS, CONTROLS, AIR VENTS, TRAP CLEAN OUTS, AND OTHER ITEMS LOCATED ABOVE NON-LIFTOUT CEILINGS OR BEHIND PARTITIONS OR WALLS. DOORS IN FIRE RATED WALLS, AND CEILINGS; UL LABELED WITH FIRE RATING EQUAL TO FIRE RATING OF WALL OR CEILING. COORDINATE WALL AND CEILING FIRE RATINGS WITH ARCHITECTURAL DRAWINGS, AND CONDITIONS EXISTING IN THE FIELD.
15. WHEN WORKING ON EXISTING DUCTWORK SYSTEMS THE CONTRACTOR SHALL INSTALL TEMPORARY FILTER MEDIA OVER ALL NEW AND EXISTING SUPPLY AIR DIFFUSERS PRIOR TO THE START OF WORK.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION SITE SAFETY, SECURITY AND COMPLIANCE WITH OSHA SAFETY GUIDELINES.

AIR DEVICE LEGEND

MARK	DESCRIPTION	(X)		MODEL #
		SQUARE NECK SIZE		
		NECK SIZE	ROUND RUNOUT	
LD(X)	LOUVER FACE 24"X24" LAY-IN CEILING DIFFUSER. 4-WAY THROW UNLESS NOTED OTHERWISE. CFM SHOWN.	6 X 6 9 X 9 12 X 12 15 X 15 18 X 18	6"ø 8"ø 10"ø 12"ø 14"ø	TITUS TDC-AA
E(X)	CEILING EXHAUST GRILLE. 1/2" X 1/2" X 1/2" ALUMINUM CORE	SQUARE NECK SIZE		TITUS 50F
R(X)	CEILING RETURN GRILLE. 1/2" X 1/2" X 1/2" ALUMINUM CORE	SQUARE NECK SIZE		TITUS 50F
WRG	WALL RETURN GRILLE, SIZE AND CFM SHOWN.	--		TITUS 350
DWRG	DOUBLE WALL RETURN GRILLE, SIZE AND CFM SHOWN.	--		TITUS 350
DL	DRUM LOUVER	--		TITUS DL

HVAC DUCTWORK LEGEND

- W X H — NEW DUCTWORK – WIDTH(IN.) X HEIGHT(IN.)
- EXISTING DUCTWORK TO REMAIN
- EXISTING DUCTWORK OR EQUIPMENT TO BE REMOVED
- R(X) — CEILING RETURN GRILLE
- LOUVERED FACE CEILING DIFFUSER
- CEILING RETURN OR EXHAUST, REGISTER OR GRILLE
- LD(X) CFM — LAY-IN LOUVERED FACE CEILING DIFFUSER
- SD(X) CFM — SURFACE MOUNTED LOUVERED FACE CEILING DIFFUSER
- SR — SIDEWALL SUPPLY REGISTER
- ACCESS DOOR IN DUCT
- SUPPLY AIR DUCT SECTION
- RETURN OR EXHAUST AIR DUCT SECTION
- ROUND 90° ELBOW
- ROUND, 45° ELBOW
- RECTANGULAR, 90° ELBOW WITH TURNING VANES
- RECTANGULAR, 45° ELBOW
- DUCT TURNING DOWN
- DUCT TURNING UP
- RISE OR DROP IN DUCT
- FD — FIRE DAMPER (PROVIDE ACCESS DOOR IN DUCT)
- SFD — COMBINATION SMOKE/FIRE DAMPER (PROVIDE ACCESS DOOR IN DUCT)
- SD — SMOKE DAMPER
- * — YOUNG'S MODULUS REGULATOR DAMPER WITH REMOTE CONTROLLER
- MD — MANUAL DAMPER
- AD — AUTOMATIC DAMPER
- UC — UNDERCUT DOOR 3/4" (SEE ARCH).
- MD — RECTANGULAR BRANCH OFF RECTANGULAR DUCT WITH MANUAL DAMPER
- ROUND MEDIUM PRESSURE DUCT TAP OFF RECTANGULAR MEDIUM PRESSURE DUCT WITH BELLMOUTH FITTING. (SEE SPECIFICATIONS)
- FLEXIBLE DUCT (MAX. OF 5'-0")
- VARIABLE VOLUME AIR TERMINAL BOX
- NEW CONNECTION TO EXISTING DUCT

HVAC PIPING LEGEND

- NEW PIPING
- EXISTING PIPING TO REMAIN
- EXISTING PIPING TO BE REMOVED
- CH — CHILLED WATER SUPPLY LINES
- CHR — CHILLED WATER RETURN LINES
- CW — CONDENSER WATER SUPPLY
- CWR — CONDENSER WATER RETURN
- D — AC UNIT DRAIN LINES
- HW — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- RS — REFRIGERANT SUCTION LINES
- RL — REFRIGERANT LIQUID LINES
- NPW — NON-POTABLE WATER LINES
- GRADE DOWN IN DIRECTION OF ARROW, 1" IN 20 FT.
- BALL VALVE
- GATE VALVE
- STRAINER (Y)
- BRANCH OFF TOP OF MAIN
- BRANCH OFF BOTTOM OF MAIN
- PRESSURE REDUCING STATION
- FLANGED UNION
- SCREWED UNION
- CHECK VALVE
- PRESSURE RELIEF VALVE
- RISE OR DROP IN PIPE
- BRANCH OFF SIDE OF MAIN
- 3/4" BALL VALVE WITH ADAPTER TO 3/4" HOSE BIBB
- 9" THERMOMETER (0°-100°F CHW) (40°-240°F HW) (30°-130°F CW)
- 4-1/2" PRESSURE GAUGE (0-100 PSI)
- OR — BUTTERFLY VALVE
- OR — AUTO. BUTTERFLY VALVE
- TRIPLE DUTY VALVE
- CALIBRATED BALANCING VALVE
- AAV OR — AAV - AUTO. AIR VENT (MARKED OR SHOWN)
- FLEX. CONNECTION
- PETES PLUG
- SUCTION DIFFUSER WITH STRAINER
- NEW CONNECTION TO EXISTING PIPING

HVAC CONTROL LEGEND

- T — SPACE THERMOSTAT
- T — SINGLE POINT TEMPERATURE SENSOR
- TS — AVERAGING TEMPERATURE SENSOR
- FZS — FREEZESTAT
- AO — ANALOG OUTPUT
- AI — ANALOG INPUT
- DO — DIGITAL OUTPUT
- DI — DIGITAL INPUT
- SD — SMOKE DETECTOR
- VFD — VARIABLE FREQUENCY DRIVE
- S — STARTER
- CT — CURRENT TRANSDUCER
- SP — DUCT STATIC PRESSURE SENSOR
- DPS — DIFFERENTIAL PRESSURE SENSOR
- SIGNAL TO FIRE ALARM SYSTEM
- SIGNAL FROM FIRE ALARM SYSTEM
- PNEUMATIC OPERATOR
- M — MOTOR OPERATOR
- MAGNETIC STARTER
- DIRECTION OF FLOW
- TS — PIPE MOUNTED TEMPERATURE SENSOR
- OR — 2-WAY AUTOMATIC VALVE
- OR — 3-WAY AUTOMATIC VALVE

HVAC ABBREVIATIONS

ACC	ACCESS
ACD	ACCESS DOOR
AD	AUTOMATIC DAMPER
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ARCH	ARCHITECTURAL
ARR	ARRANGEMENT
AUX	AUXILIARY
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
CFM	CUBIC FEET/MINUTE
CL	CLASS
CW	CLOCKWISE
CCW	COUNTER CLOCKWISE
CONC	CONCRETE
CONN	CONNECT
CP	CONTROL PANEL
CU	CONDENSING UNIT
DIM	DIMENSION
DISC	DISCONNECT
DL	DOOR LOUVER
DPR	DAMPER
DIA	DIAMETER
DR	DOOR
DN	DOWN
DWG	DRAWING
DOM	DOMESTIC
EAT	ENTERING AIR TEMPERATURE
EX	EXISTING
EXRL	EXISTING RELOCATE
EXR	EXISTING REMOVE
EXP	EXPANSION TANK
EMG	EXPANDED METAL GRILLE
FD	FIRE DAMPER
FF	FLOOR TO FLOOR
FLR	FLOOR
FTB	FLOOR TO BOTTOM
FO	FAIL OPEN
FZS	FREEZESTAT
FC	FAIL CLOSE
GALV	GALVANIZED
HP	HEAT PUMP
HS	HUMIDITY SENSOR
HTR	HEATER
JT	JOINT
LAT	LEAVING AIR TEMPERATURE
LP	LOW PRESSURE
MAN	MANUAL
MAT	MIXED AIR TEMPERATURE
MBH	1000 BTU/HR
MECH	MECHANICAL
MET	METAL
MD	MANUAL DAMPER
MTR	MOTOR
MFD	MECHANICAL FLOOR DRAIN
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OD	OUTSIDE DIAMETER
OSA	OUTSIDE AIR
PSIG	POUNDS PER SQUARE INCH GAGE
△P	DIFFERENTIAL PRESSURE
SDT	SMOKE DETECTOR
RA	RETURN AIR
RH	RELIEF HOOD
SA	SUPPLY AIR
SD	SMOKE DAMPER
SFD	COMBINATION SMOKE/FIRE DAMPER
STRUCT	STRUCTURAL
SR	SUPPLY REGISTER
T'STAT	THERMOSTAT
TEMP	TEMPORARY
TS	TEMPERATURE SENSOR
UH	UNIT HEATER

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HVAC NOTES AND LEGENDS

M0.01

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225108

AIR HANDLING UNITS

MARK	LOCATION	TYPE	SUPPLY FAN						COOLING COIL 6 ROW									PREHEAT COIL 1 ROW						MCA	MOCP	FILTERS	ACCESSORIES	WEIGHT (EST.)
			CFM	W.G. TOT. S.P.	PLENUM FAN	MIN. OSA CFM	MOTOR HP	MOTOR V/Φ/Hz	CFM	AIR ENT. °FDB	AIR ENT. °FWB	AIR LVG. °FDB	AIR LVG. °FWB	MBH TOTAL	MBH SENSIBLE	GPM	EWT(F)	MAX. F.V. FPM	CFM	MBH	AIR ENT °F	AIR LVT °F	MAX. F.V. FPM	GPM @ 180°F					
AC-1	FIRE RISER/MECHANICAL 205	A	7,100	5.132	F.C.	1065	5.0(2)	208/3/60	7,100	78.3	64.7	53.6	53.3	240.64	192.65	43.38	44	500	7103	265.33	20.0	54.4	500	26.50	47.5	80	A	1 2 3 4 5 6	2100
AC-2	MARINE	A	3,700	4.220	F.C.	600	6.0	208/3/60	3,700	78.0	64.0	52.4	52.3	126.36	104.10	22.78	44	500	3700	120.38	20.0	50.0	500	12.04	15.25	25	A	1 2 3 4 5 6	3040

TYPES:
- A FACTORY FABRICATED, DOUBLE WALL, VARIABLE VOLUME, HORIZONTAL DRAW THROUGH WITH INTERNAL FAN ISOLATION.
- B FACTORY FABRICATED, DOUBLE WALL, CONSTANT VOLUME, HORIZONTAL DRAW THROUGH WITH INTERNAL FAN ISOLATION.
- C FACTORY FABRICATED, DOUBLE WALL, VARIABLE VOLUME, VERTICAL DRAW THROUGH WITH INTERNAL FAN ISOLATION.
- D FACTORY FABRICATED, DOUBLE WALL, CONSTANT VOLUME, VERTICAL DRAW THROUGH WITH INTERNAL FAN ISOLATION.

ACCESSORIES:
1. VARIABLE SPEED DRIVE WITH INVERTER DUTY RATED MOTOR.
2. INSULATED DOUBLE CONSTRUCTION DRAIN PANS WITH TYPE 304 STAINLESS STEEL INNER PAN.
3. MIXING BOX WITH OPPOSED BLADE AUTOMATIC DAMPERS.
4. MARINE LIGHTS IN ALL ACCESSIBLE SECTIONS (FACTORY MOUNTED SWITCH).
5. PROVIDE PIPING PLENUM WITH ACCESS DOOR FROM FACTORY.
6. PROVIDE UL LISTED SMOKE DETECTORS IN SUPPLY & RETURN FOR ALL UNITS OVER 2,000 CFM

NOTES:
- A SCHEDULED SUPPLY FAN PRESSURE DROPS INCLUDE THE FOLLOWING AIR PRESSURE DROP IN "WG":
  COOLING COIL: 1.0"
  HEATING COIL: 0.25"
  FILTER: 1.00" (CHANGEOUT)
- B MAXIMUM 6 ROW COOLING COIL WATER PRESSURE DROP = 15 FT.
- C MAXIMUM HEATING COIL WATER PRESSURE DROP = 10 FT.
- D INSTALL VARIABLE FREQUENCY DRIVE (VFD).
- E UNIT TO HAVE COASTAL COATING FINISH.

FILTERS
- A 2", MERV 13 PRE FILTERS

AIR TERMINAL BOXES (AC-1)

MARK	TYPE	ROUND INLET (IN.)	CFM			COIL CAPACITY		PIPE RUNOUT
			MAX.	MIN.	HTG.	MBH	GPM	
VAVR 1-1	VVR	6"	150	45	75	4.05	0.6	3/4"
VAVR 1-2	VVR	6"	250	75	125	11.03	11.1	3/4"
VAVR 1-3	VVR	6"	400	120	200	16.52	1.6	3/4"
VAVR 1-4	VVR	6"	150	45	75	2.85	0.6	3/4"
VAVR 1-5	VVR	6"	265	80	135	12.69	1.27	3/4"
VAVR 1-6	VVR	6"	400	120	200	16.16	1.6	3/4"
VAVR 1-7	VVR	8"	510	155	255	19.89	2.0	3/4"
VAVR 1-8	VVR	10"	1175	355	590	69.38	6.9	1"
VAVR 1-9	VVR	10"	1000	300	500	34.76	3.5	3/4"
VAVR 1-10	VVR	10"	1000	300	500	34.76	3.5	3/4"
VAVR 1-11	VVR	10"	1000	300	500	34.76	3.5	3/4"
VAVR 1-12	VVR	10"	800	240	400	34.76	3.5	3/4"

TYPES:
VV = VARIABLE VOLUME – NO COIL
VAVR = VARIABLE VOLUME REHEAT – TURN DOWN TO MINIMUM
CVR = CONSTANT VOLUME REHEAT – TURN DOWN TO MINIMUM

NOTES:
- A ENTERING AIR TEMPERATURE = 55°F.
- B HEATING CAPACITY BASED ON ENTERING WATER = 180°F.
- C MAXIMUM WATER PRESSURE DROP = 5 FT.
- D ALL BOXES STANDARD LINING UNLESS OTHERWISE NOTED.
- E 120/1/60 CONTROL POWER.

AIR TERMINAL BOXES (AC-2)

MARK	TYPE	ROUND INLET (IN.)	CFM			COIL CAPACITY		PIPE RUNOUT
			MAX.	MIN.	HTG.	MBH	GPM	
VAVR 2-1	VVR	10"	925	280	465	22.23	2.2	3/4"
VAVR 2-2	VVR	10"	925	280	465	22.23	2.2	3/4"
VAVR 2-3	VVR	10"	925	280	465	22.23	2.2	3/4"
VAVR 2-4	VVR	10"	925	280	465	22.23	2.2	3/4"

TYPES:
VV = VARIABLE VOLUME – NO COIL
VAVR = VARIABLE VOLUME REHEAT – TURN DOWN TO MINIMUM
CVR = CONSTANT VOLUME REHEAT – TURN DOWN TO MINIMUM

NOTES:
- A ENTERING AIR TEMPERATURE = 55°F.
- B HEATING CAPACITY BASED ON ENTERING WATER = 180°F.
- C MAXIMUM WATER PRESSURE DROP = 5 FT.
- D ALL BOXES STANDARD LINING UNLESS OTHERWISE NOTED.
- E 120/1/60 CONTROL POWER.

VENTILATION FAN

MARK	TYPE	CFM	"W.G.S.P. EXT. SP	MOTOR HP	MOTOR V/Φ/Hz	ACCESSORIES	INTERLOCK W/	DESIGN BASIS
VF-1	A	3,000	0.25"	0.334	208/1/60	1 2 3	THERMOSTAT & MARK TIME SWITCH	COOK EWD30
VF-2	A	1000	0.25"	0.112	208/1/60	1 2 3	THERMOSTAT & MARK TIME SWITCH	COOK EWD30
VF-3	A	3,000	0.25	0.334	208/1/60	1 2 3	THERMOSTAT & MARK TIME SWITCH	COOK EWD30
VF-4	A	3,000	0.25	0.334	208/1/60	1 2 3	THERMOSTAT & MARK TIME SWITCH	COOK EWD30

FAN TYPES:
- A WALL MOUNTED, DIRECT DRIVE, EXTRUDED ALUMINUM PROPELLER.

FAN ACCESSORIES:
1. DISCONNECT, WALL SLEEVE, WEATHER HOOD, AND SHUTTER GUARD.
2. WALL THERMOSTAT & MARK TIME SWITCH.
3. SPEED CONTROLLER.

VRF INDOOR - SPLIT SYSTEM - CLASSROOM 226

MARK	AREA SERVED	TYPE	OUTDOOR UNIT	MAX CFM	CAPACITY (MBH)		ACCESSORIES	SEER2	NOMINAL TONS	DESIGN BASIS MODEL
					COOLING @95° F	HEATING @47° F				
AC-1	CLASSROOM 226	AIR HANDLER	HP-1	1125	36.0	42.0	1 2 3 4	15.0	3.0	MITSUBISHI PVA-A36AA7

ACCESSORIES:
1. WIRED THERMOSTAT.
2. SINGLE POINT POWER CONNECTION AT OUTDOOR UNIT.
3. DISCONNECT SWITCH.
4. FACTORY CONDENSATE PUMP.

VRF OUTDOOR - SPLIT SYSTEM - CLASSROOM 226 - HEAT PUMP

MARK	COOLING TOTAL MBH	HEATING TOTAL MBH	UNIT TYPE	CIRCUIT BREAKER CAPACITY (AMPS)	MIN. CIRCUIT AMPS	MOTOR V/Φ/Hz	DESIGN BASIS MODEL
HP-1	36.0	42.0	HEAT PUMP	31	25	208/1/60	MITSUBISHI PUZ-A42NKA7

NOTES:
SINGLE POINT POWER.
PROVIDE DISCONNECT SWITCH.
MOUNT OUTDOOR UNIT ON MANUFACTURER RECOMMENDED WALL MOUNTING BRACKET.
PROVIDE ALUMINUM JACKET ON OUTDOOR REFRIGERANT PIPING.

DEHUMIDIFIER

MARK	SERVES	CFM	"W.G.S.P. EXT. SP	MOTOR V/ø	MOTOR WATTS	MOTOR AMPS	MOTOR FAN	WATER REMOVAL 80°F/60% RH	ACCESSORIES	DESIGN BASIS
DH-1	AC-1	470	0.4"	115/1	1,115	12.5	260w	205 PINTS /DAY	1 2 3	SANTA FE MODEL 4047300

FAN ACCESSORIES:
1. MANUFACTURER RECOMMENDED COMPACT HANG KIT
2. MERV 13 FILTERS
3. PROVIDE REMOTE SPACE HUMIDITY SENSOR IN CLASSROOM 226.

EXHAUST FANS BLDG 200

MARK	SERVES	TYPE	CFM	E.S.P. (IN. WG)	MIN. WHEEL SIZE (IN.)	MOTOR HP	MOTOR V/Φ/Hz	ACCESSORIES	INTERLOCK W/	DESIGN BASIS
EF-1	UNISEX 207	A	50	0.25	--	24.1w	120/1/60	1	LIGHT SWITCH	LOREN COOK GC-128

FAN TYPES:
- A CENTRIFUGAL CEILING EXHAUST FAN
- B INLINE EXHAUST FAN

FAN ACCESSORIES:
1. REMOVABLE ALUMINUM CEILING GRILLE, BACKDRAFT DAMPER, SPEED CONTROLLER, RUBBER-IN-SHEAR ISOLATORS, DISCONNECT SWITCH, BRICK WALL CAP.

HIGH VOLUME, LOW SPEED FANS

MARK	SERVES	TYPE	CFM	"W.G.S.P. EXT. SP	DIAMETER	MOTOR HP	MOTOR V/Φ/Hz	ACCESSORIES	INTERLOCK W/	DESIGN BASIS
CF-1	WELDING 227	A	---	---	24'	1.5	208/3/60	1	WALL MOUNTED CONTROLLER	GREENHECK DS-6
CF-2	WELDING 225	A	---	---	24'	1.5	208/3/60	1	WALL MOUNTED CONTROLLER	GREENHECK DS-6
CF-3	SHIP FITTING 223	A	---	---	24'	1.5	208/3/60	1	WALL MOUNTED CONTROLLER	GREENHECK DS-6
CF-4	PIPE FITTING 221	A	---	---	24'	1.5	208/3/60	1	WALL MOUNTED CONTROLLER	GREENHECK DS-6

FAN TYPES:
- A HIGH VOLUME, LOW SPEED CEILING FAN

FAN NOTES/ACCESSORIES:
1. EIGHT AIRFOIL BLADES WITH WINGLETS, FULLY SEALED NITROSEAL DRIVE GEARBOX, ONBOARD VFD, UPPER FAN MOUNTING KIT TO STRUCTURAL STEEL/JOIST AS REQUIRED, SAFETY CABLE SYSTEM, WALL MOUNTED TOUCHSCREEN INTERFACE CONTROLLER WITH ON/OFF AND VARIABLE SPEED CONTROLS. MAXIMUM DROP HEIGHT: 10'-0". COORDINATE WITH ARCHITECT ON EXACT DROP HEIGHT. ESTIMATED MAXIMUM WEIGHT: 450 LBS.

VRF INDOOR - SPLIT SYSTEM - WALL MTD.

MARK	AREA SERVED	TYPE	MAX CFM	CAPACITY (MBH)		ACCESSORIES	SEER	NOMINAL TONS	DESIGN BASIS MODEL
				COOLING @95° F	HEATING @47° F				
AC-3	IT CLOSET 216	WALL MTD.	490	18.0	20.0	1 2 3 4	14.0	1.5	MITSUBISHI PKA-A18BA6
AC-4	ELECTRICAL 217	WALL MTD.	490	18.0	20.0	1 2 3 4	14.0	1.5	MITSUBISHI PKA-A18BA6

ACCESSORIES:
1. WIRED THERMOSTAT.
2. SINGLE POINT POWER CONNECTION AT OUTDOOR UNIT.
3. DISCONNECT SWITCH.
4. FACTORY CONDENSATE PUMP.

VRF OUTDOOR - SPLIT SYSTEM

MARK	COOLING TOTAL MBH	HEATING TOTAL MBH	UNIT TYPE	CIRCUIT BREAKER CAPACITY (AMPS)	MIN. CIRCUIT AMPS	MOTOR V/Φ/Hz	DESIGN BASIS MODEL
HP-3	18.0	20.0	HEAT PUMP	20	13	208/1/60	MITSUBISHI PUZ-A18NHA6
HP-4	18.0	20.0	HEAT PUMP	20	15	208/1/60	MITSUBISHI PUZ-A18NHA6

NOTES:
SINGLE POINT POWER.
PROVIDE DISCONNECT SWITCH.
MOUNT OUTDOOR UNIT ON MANUFACTURER RECOMMENDED WALL MOUNTING BRACKET..
PROVIDE ALUMINUM JACKET ON OUTDOOR REFRIGERANT PIPING.

HOT WATER UNIT HEATER (UH-1)

MARK	TYPE	QUANTITY	CAPACITY (MBH)	GPM 180°F WTR	CFM	MOTOR HP	ELECT. V/Φ/Hz	ACCESSORIES	DESIGN BASIS
UH-1	HORIZONTAL	9	24.0	2.4	400	0.6	115/1/60	1	REZNOR UWS 24

HEATER ACCESSORIES:
FAN GUARD, VERTICAL DEFLECTOR BLADES, SOLID STATE SPEED CONTROL, WALL MOUNTED THERMOSTAT.

HEATER NOTES:
1. CONTRACTOR TO PROVIDE ALL CONTROL WIRING IN CONDUIT AND CONTROL ACCESSORIES AS REQUIRED FOR CONNECTING WALL MOUNTED THERMOSTATS.
2. MOUNT UNIT AT 8'-0" A.F.F. UNLESS SPECIFIED ON PLAN.
3. COORDINATE UNIT HEATER LOCATION WITH ROOM EQUIPMENT PRIOR TO INSTALLATION.
4. ROUTE HOT WATER PIPING HIGH AS POSSIBLE.

GMC
Goodwyn Mills Cawood, LLC
11 North Water Street, Suite 15250
Mobile, AL 36602
T 251.460.4006
GMCNETWORK.COM

ISSUE | DATE
IFB SET | 10.26.2026

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CHECKED BY: JSD

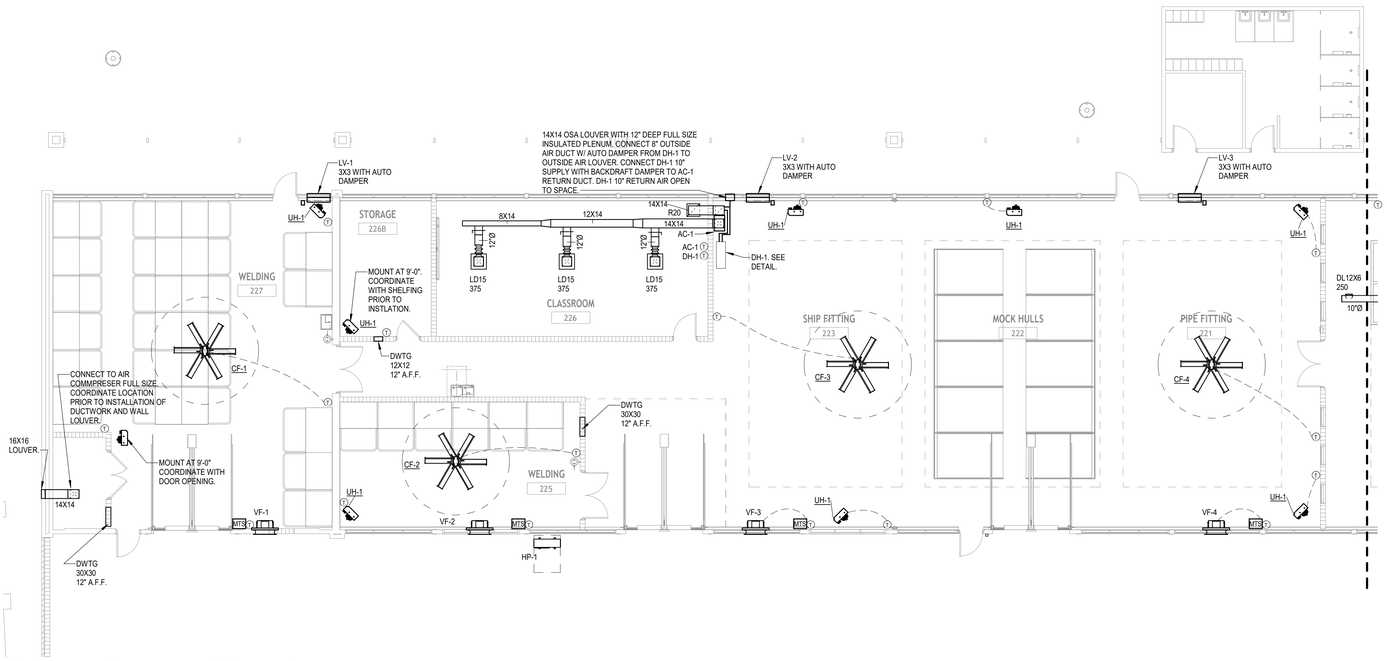
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925 DAUPHIN ISLAND PKWY,
MOBILE, AL 36605

GMC AMOB260006

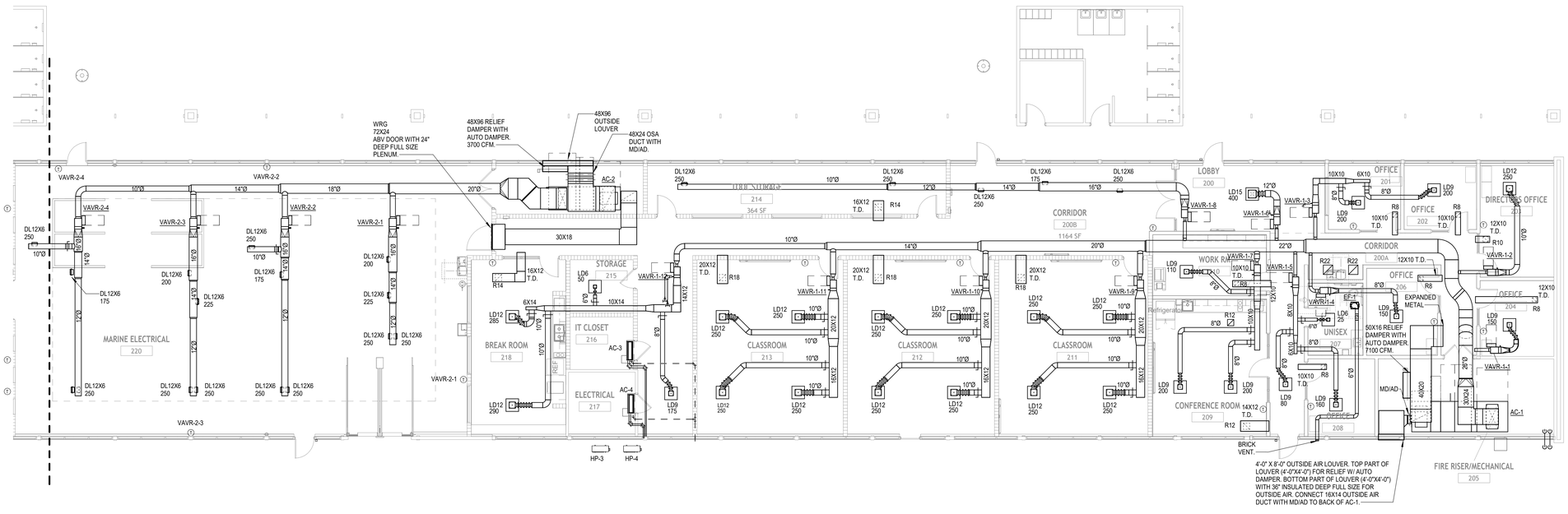
HVAC SCHEDULES

M0.02

MW / Davis Dumas & Associates, Inc.
CONSULTING ENGINEERS
4500 Southlake Park, Suite 200
Hoover, Alabama 35244
Phone: (205) 252-0246
www.mwdda.com
Project # 225108



1 HVAC NEW WORK PLAN (SOUTH)
SCALE: 1/8" = 1'-0"



2 HVAC NEW WORK PLAN (NORTH)
SCALE: 1/8" = 1'-0"

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GMCNETWORK.COM

ISSUE	DATE
IFB SET	10/12/26

DRAWN BY: Author
CHECKED BY: Checker

BISHOP STATE COMMUNITY COLLEGE MARITIME TRAINING CENTER RENOVATION
925 DAUPHIN ISLAND PKWY,
MOBILE, AL 36605

GMC AMOB260006

LARRY JAMES DAVIS JR. No. 14178 PROFESSIONAL ENGINEER
10/30/25

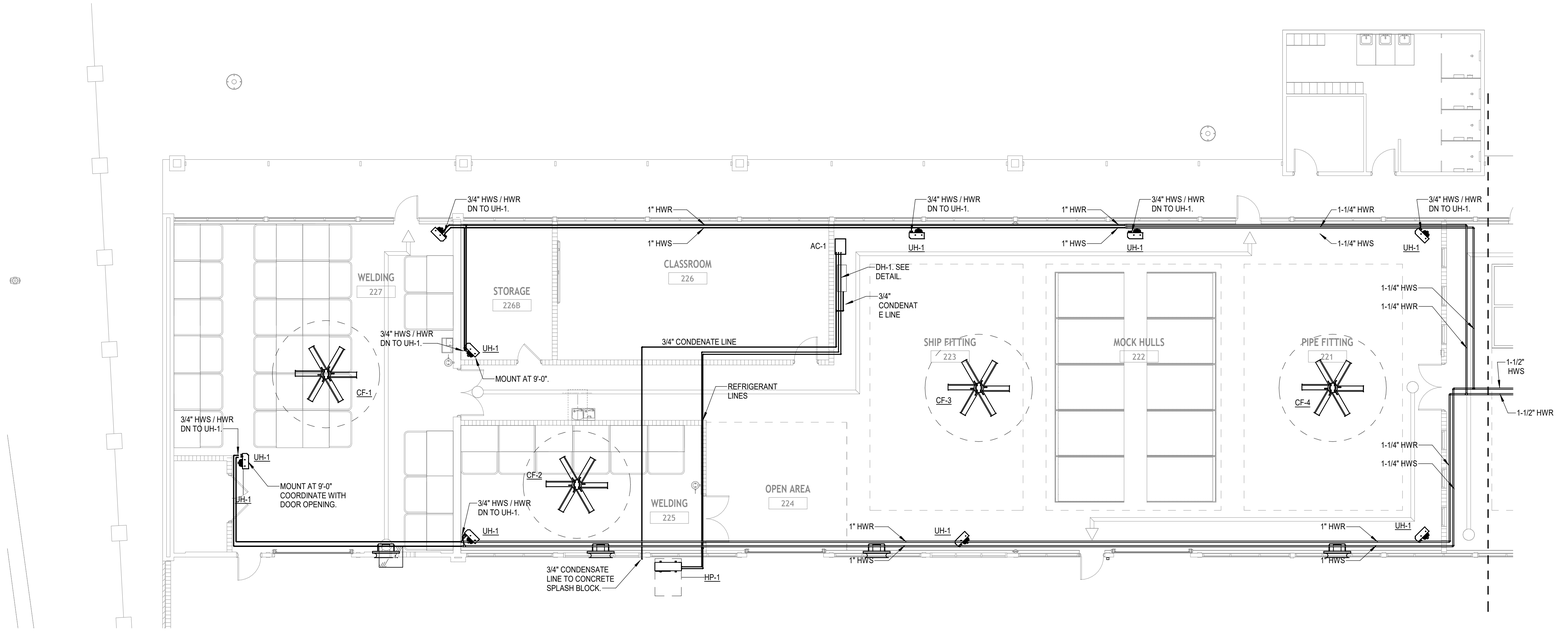
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HVAC NEW WORK PLAN

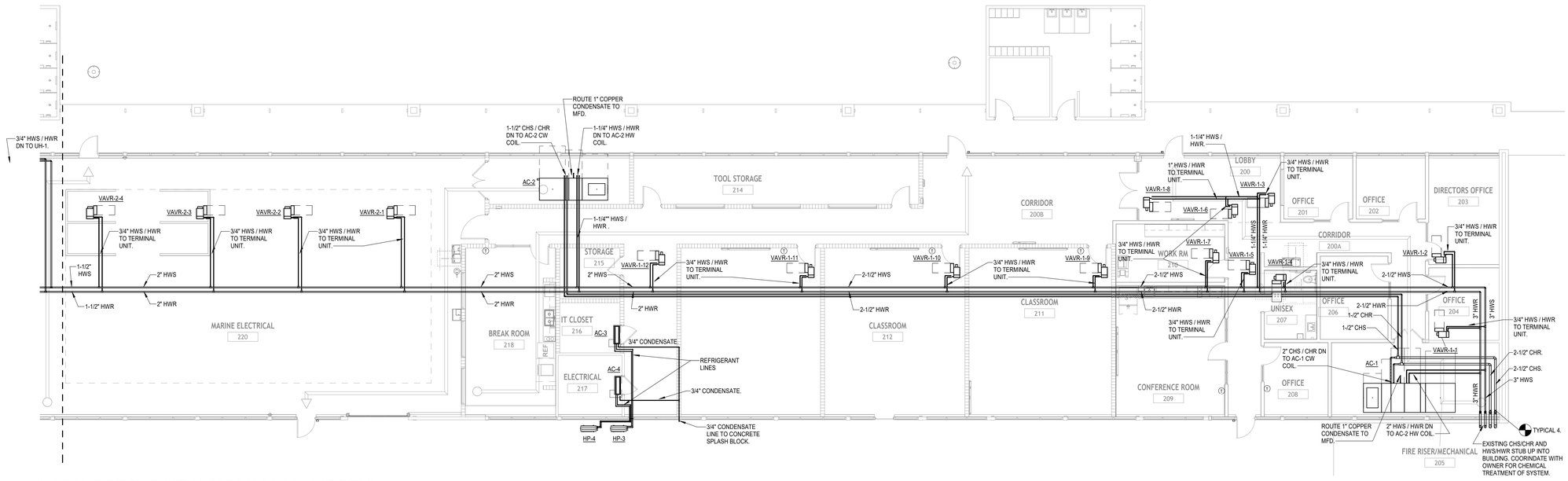
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CONSULTING ENGINEERS
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Hoover, Alabama 35244
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www.mwdda.com
Project # 225108



1 HVAC PIPING NEW WORK PLAN (SOUTH)
SCALE: 1/8" = 1'-0"



2 HVAC PIPING NEW WORK PLAN (NORTH)
SCALE: 1/8" = 1'-0"

GMC
Goodwyn Mills Cawood, LLC
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925 DAUPHIN ISLAND PKWY,
MOBILE, AL 36605

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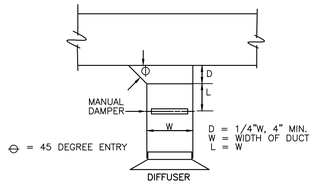
LARRY JAMES DAVIS JR. No. 14178 PROFESSIONAL ENGINEER
10/30/25

225031

HVAC NEW PIPING WORK PLAN

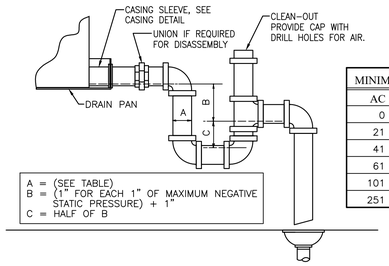
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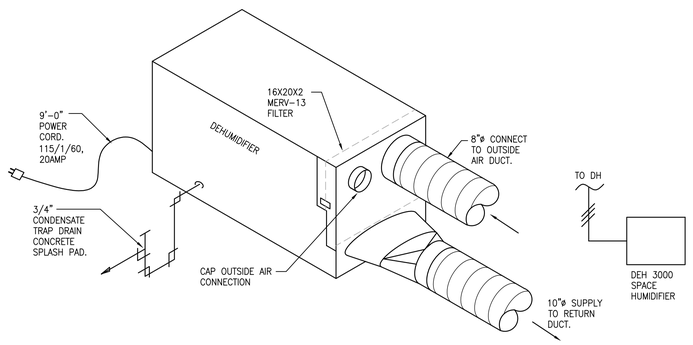
NOTE:
USE THIS DETAIL FOR ALL REGISTERS AND DIFFUSERS WITH RECTANGULAR DUCT CONNECTIONS AND SUFFICIENT SPACE FOR INSTALLATION OF THE 45 DEGREE TAP AND MANUAL DAMPER AS SHOWN. OTHERWISE SEE "DUCT CONN. AT SUPPLY REGISTER".

REGISTER, GRILLE, OR DIFFUSER DUCT CONNECTION
NO SCALE



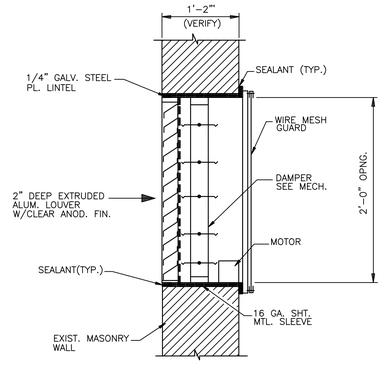
MINIMUM CONDENSATE PIPE SIZE	
AC TONS	MIN. DRAIN SIZE
0 TO 20	1"
21 TO 40	1-1/4"
41 TO 60	1-1/2"
61 TO 100	2"
101 TO 250	3"
251 & LARGER	4"

AC UNIT DRAIN TRAP & PIPING DETAIL
NOT TO SCALE

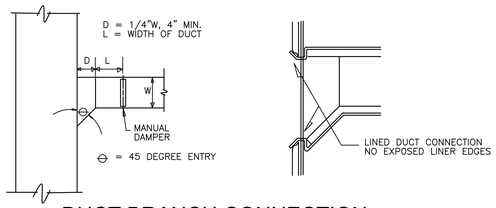


DEHUMIDIFIER DETAIL & CONTROL
NOT TO SCALE

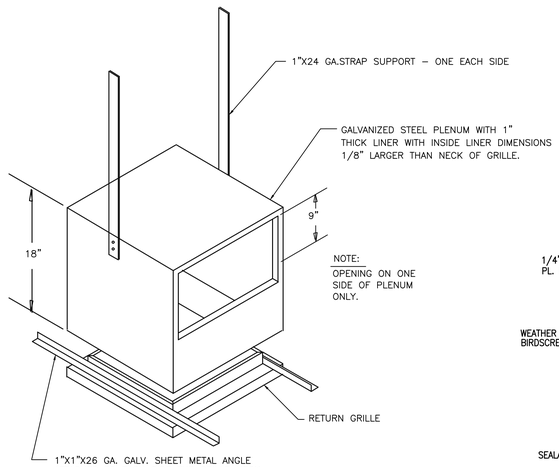
DEHUMIDIFIER TO BE CONTROLLED BY SPACE HUMIDITY CONTROLLER DEH 3000. SET @ 50% ADJUSTIBLE TO OPERATE 24/7



INTAKE LOUVER DETAIL
NOT TO SCALE

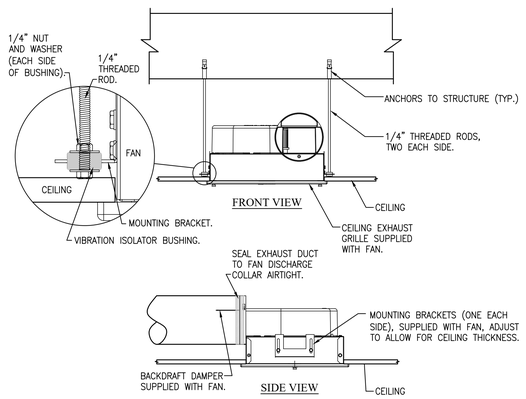


DUCT BRANCH CONNECTION
NO SCALE

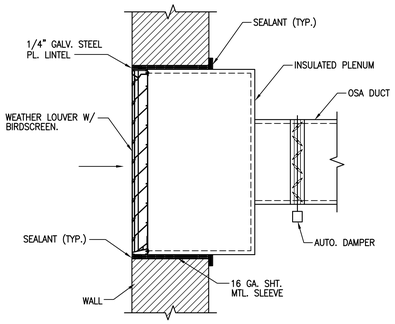


NOTES:
1. VERIFY DIMENSIONS FROM ACTUAL GRILLE SIZES.
2. PAINT ALL INTERIOR SURFACES FLAT BLACK.

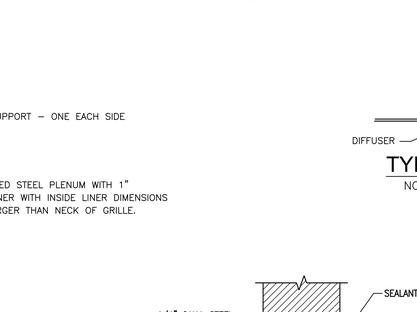
CEILING RETURN GRILLE AND SOUND TRAP DETAIL
NOT TO SCALE



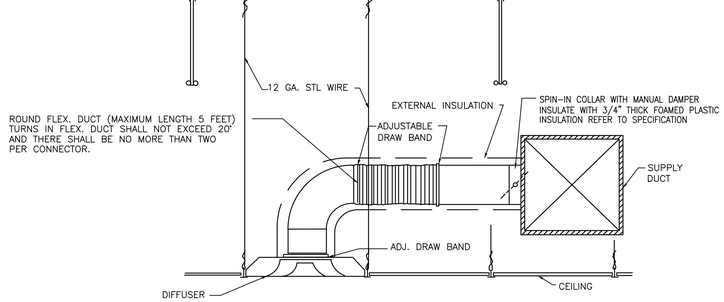
CEILING EXHAUST FAN DETAIL
NOT TO SCALE



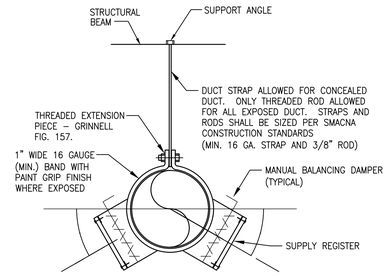
OSA INTAKE LOUVER DETAIL
NOT TO SCALE



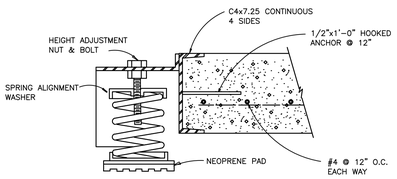
WALL PROPELLER FAN DETAIL
NOT TO SCALE



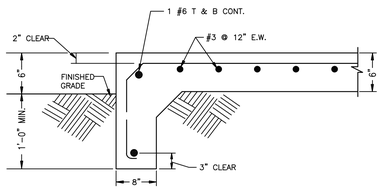
TYPICAL CEILING DIFFUSER DETAIL
NO SCALE



EXPOSED ROUND SPIRAL DUCTWORK AND DIFFUSER DETAILS
NOT TO SCALE



INERTIA BASE
NOT TO SCALE



CONCRETE PAD DETAIL
NOT TO SCALE

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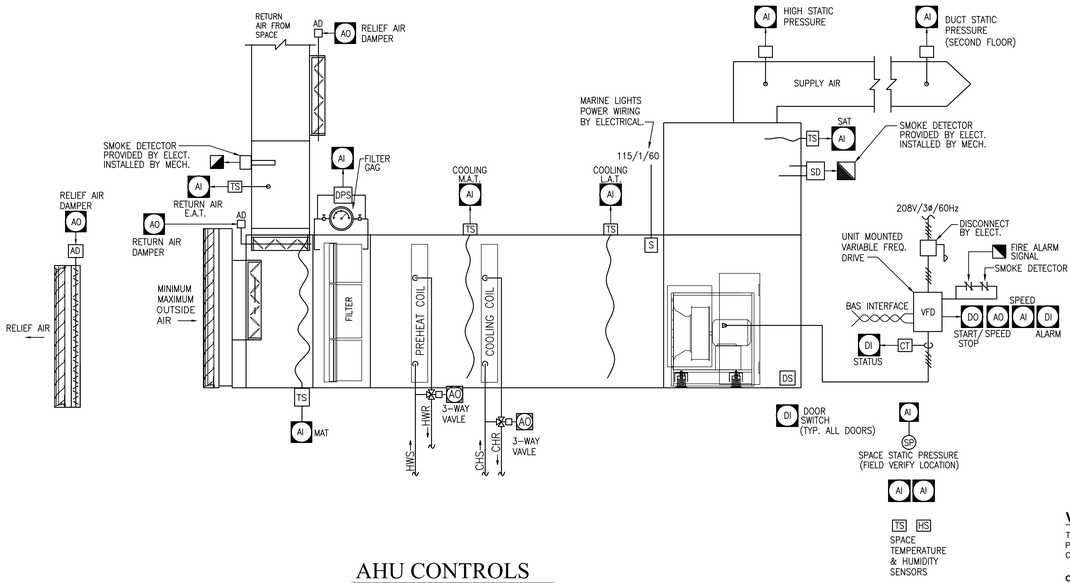
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925 DAUPHIN ISLAND PKWY,
MOBILE, AL 36605

GMC AMOB260006

HVAC DETAILS

M3.01



AHU CONTROLS

NO SCALE

AHU Sequence of Operation

The Building Automation System (BAS) will send the controller Occupied Bypass, Morning Warm-up/Pre-Cool, Occupied/Unoccupied and Heat/Cool modes. The BAS will also send the discharge air temperature setpoint and the duct static pressure setpoint. If a BAS is not present, or communication is lost with the BAS the controller will operate using default modes and setpoints.

Occupied:

During occupied periods, the supply fan will run continuously and the outside air damper will open to maintain minimum ventilation requirements. The solenoid valve will open and compressor will start. If the discharge air temperature sensor fails the chilled solenoid valve will close and an alarm will be annunciated at the BAS.

Unoccupied (For Designated Areas Only):

When the space temperature is above the unoccupied cooling setpoint of 85.0 deg. F (adj.) the supply fan will start, the outside air damper will remain closed and the solenoid valve will open. When the space temperature falls below the unoccupied cooling setpoint of 85.0 deg. F (adj.) minus the unoccupied differential of 4.0 deg. F (adj.) the supply fan will stop, the solenoid valve will close and the outside air damper will close.

Optimal Start:

The BAS will monitor the scheduled occupied time, occupied space setpoints and space temperature to calculate when the optimal start occurs.

Pre-Cool Mode:

During optimal start, if the average space temperature is above the occupied cooling setpoint, pre-cool mode will be activated. When pre-cool is initiated the unit will enable the fan and cooling or economizer. The outside air damper will remain closed, unless economizing. When the space temperature reaches occupied cooling setpoint (adj.), the unit will transition to the occupied mode.

Optimal Stop:

The BAS will monitor the scheduled unoccupied time, occupied setpoints and space temperature to calculate when the optimal stop occurs. When the optimal stop mode is active the unit controller will maintain the space temperature to the space temperature offset setpoint. Outside air damper will remain enabled to provide minimum ventilation.

Occupied Bypass:

The BAS will monitor the status of the “on” and “cancel” buttons of the space temperature sensors. When an occupied bypass request is received from a space sensor, the unit will transition from its current occupancy mode to occupied bypass mode and the unit will maintain the space temperature to the occupied setpoints (adj.).

Supply Fan:

The fan will be off in the unoccupied mode. When the unit controller is in the occupied mode, the supply fan will operate continuously and its speed will be modulated to maintain the duct static pressure setpoint. The duct static pressure setpoint will be sent by the BAS and will be reset between the minimum and maximum static pressure limits to maintain the critical zone VAV air damper in a position between 65% and 75% open.

If the supply fan fails to prove status for 30 seconds (adj.), the fan will be commanded off, the outside air damper will close, all valves will close and an alarm will be annunciated at the BAS. A manual reset will be required to restart the fan. A hardwired, high static pressure cut-off switch will be electrically interlocked with the variable speed drive. If the high static pressure cut-off switch is tripped the fan will stop, the outside air damper will close, all valves will close and an alarm will be annunciated at the BAS. A manual reset of the high static pressure cut-off switch will be required to restart the fan.

Mixed Air Low Limit:

The initial damper opening rate will be limited to 2% per minute (adj.) until the damper has reached its minimum ventilation position. The outside air damper will modulate to a position less than the minimum damper position if the mixed air temperature drops below 50.0 deg. F (adj.). If the mixed air temperature sensor fails an alarm will be annunciated at the BAS and the outside air damper will return to the minimum position.

Freeze Protection:

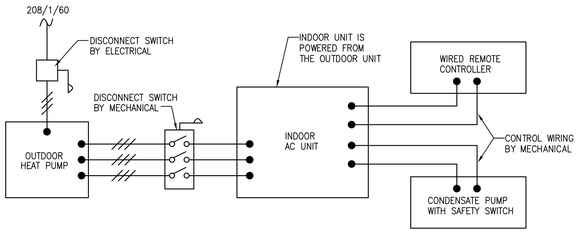
A hardwired, low limit temperature switch will be electrically interlocked with the variable speed drive. If the low limit temperature switch is tripped 38.0 deg. F (adj.), the outside air damper will close, all valves will open to 100% (adjust per climate) and an alarm will be annunciated at the BAS. A manual reset of the low limit temperature switch will be required to restart the fan.

Smoke Detector Shutdown:

The unit will shut down in response to a signal from either smoke detector indicating the presence of smoke. The smoke detectors will be interlocked to the unit through the dry contacts of the smoke detectors. A manual reset of the smoke detectors will be required to restart the unit.

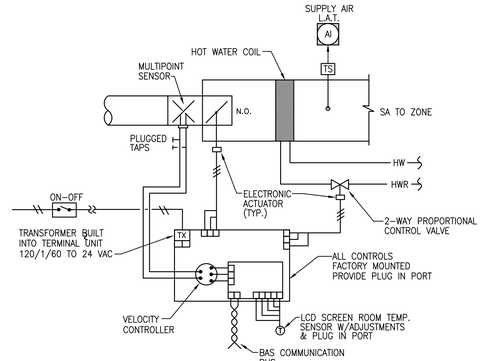
Filter Status:

A differential pressure switch will monitor the differential pressure across the filter when the fan is running. If the switch closes during normal operation a dirty filter alarm will be annunciated at the BAS.



VRF SYSTEM CONTROLS

NO SCALE



TERMINAL UNIT CONTROL SEQUENCES:
WHEN THE SPACE TEMPERATURE EXCEEDS SETPOINT (72°F–ADJUSTABLE), THE DAMPER SHALL MODULATE FROM MINIMUM AIR FLOW TO MAXIMUM COOLING AIR FLOW. AS THE SPACE TEMPERATURE DROPS BELOW SETPOINT, THE DAMPER SHALL MODULATE FROM MAXIMUM AIR FLOW TO MINIMUM AIR FLOW. IF THE SPACE TEMPERATURE CONTINUES TO DROP, THE AIR VALVE SHALL MODULATE TO HEATING CFM AND MODULATE THE TWO WAY HEATING VALVE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE HEATING SETPOINT.

TERMINAL UNIT CONTROLS

NO SCALE

VAV BOXES SEQUENCE OF OPERATION

THE BUILDING AUTOMATION SYSTEM (BAS) WILL SEND THE CONTROLLER OCCUPIED AND UNOCCUPIED COMMANDS. THE BAS MAY ALSO SEND A HEAT/COOL MODE, PRIORITY SHUTDOWN COMMANDS, SPACE TEMPERATURE AND/OR SPACE TEMPERATURE SETPOINT. IF COMMUNICATION IS LOST WITH THE BAS, THE VAV CONTROLLER WILL OPERATE USING ITS LOCAL SETPOINTS.

OCCUPANCY MODE:
THE OCCUPANCY MODE WILL BE COMMUNICATED OR HARDWIRED TO THE CONTROLLER VIA A BINARY INPUT. VALID OCCUPANCY MODES FOR THE UNIT WILL BE:

OCCUPIED:
NORMAL OPERATING MODE FOR OCCUPIED SPACES OR DAYTIME OPERATION. WHEN THE UNIT IS IN THE OCCUPIED MODE THE VAV WILL MAINTAIN THE SPACE TEMPERATURE AT THE ACTIVE OCCUPIED HEATING OR COOLING SETPOINT. APPLICABLE VENTILATION AND AIRFLOW SETPOINTS WILL BE ENFORCED. THE OCCUPIED MODE WILL BE THE DEFAULT MODE OF THE VAV.

OCCUPIED STANDBY:
THE OCCUPANCY SENSOR WILL BE USED TO INDICATE THAT THE SPACE IS UNOCCUPIED, EVEN THOUGH THE BAS HAS SCHEDULED THE SPACE AS OCCUPIED. IN THE OCCUPIED STANDBY MODE, THE ACTIVE COOLING AND HEATING SETPOINTS WILL BE RELAXED (SEE COOLING AND HEATING MODE) AND BOTH THE VENTILATION AIRFLOW AND MINIMUM AIRFLOW SETPOINTS WILL BE LOWERED (SEE VAV SCHEDULE).

UNOCCUPIED (DESIGNATED AREAS ONLY):
NORMAL OPERATING MODE FOR UNOCCUPIED SPACES OR NIGHTTIME OPERATION. WHEN THE UNIT IS IN UNOCCUPIED MODE THE VAV CONTROLLER WILL MAINTAIN THE SPACE TEMPERATURE AT THE STORED UNOCCUPIED HEATING OR COOLING SETPOINT REGARDLESS
OF THE PRESENCE OF A HARDWIRED OR COMMUNICATED SETPOINT. WHEN THE SPACE TEMPERATURE EXCEEDS THE ACTIVE UNOCCUPIED SETPOINT THE VAV WILL MODULATE FULLY CLOSED.

OCCUPIED BYPASS:
MODE USED TO TEMPORARILY PLACE THE UNIT INTO THE OCCUPIED OPERATION. TENANTS WILL BE ABLE TO OVERRIDE THE UNOCCUPIED MODE FROM THE SPACE SENSOR. THE OVERRIDE WILL LAST FOR A MAXIMUM OF 4 HOURS (ADJ.). THE TENANTS WILL BE ABLE TO CANCEL THE OVERRIDE FROM THE SPACE SENSOR AT ANY TIME. DURING THE OVERRIDE THE UNIT WILL OPERATE IN OCCUPIED MODE.

HEAT/COOL MODE:
THE HEAT/COOL MODE WILL BE SET BY A COMMUNICATED VALUE OR AUTOMATICALLY BY THE VAV. IN STANDALONE OR AUTO MODE THE VAV WILL COMPARE THE PRIMARY AIR TEMPERATURE WITH THE CONFIGURED AUTO CHANGEOVER SETPOINT TO DETERMINE IF THE AIR IS “HOT” OR “COLD”. HEATING MODE IT IMPLIES THE PRIMARY AIR TEMPERATURE IS HOT. COOLING MODE IMPLIES THE PRIMARY AIR TEMPERATURE IS COLD.

HEAT/COOL SETPOINT:
THE SPACE TEMPERATURE SETPOINT WILL BE DETERMINED EITHER BY A LOCAL (E.G., THUMBWHEEL) SETPOINT, THE VAV DEFAULT SETPOINT OR A COMMUNICATED VALUE. THE VAV WILL USE THE LOCALLY STORED DEFAULT SETPOINTS WHEN NEITHER A LOCAL SETPOINT NOR COMMUNICATED SETPOINT IS PRESENT. IF BOTH A LOCAL SETPOINT AND COMMUNICATED SETPOINT EXIST, THE VAV WILL USE THE COMMUNICATED VALUE.

COOLING MODE:
WHEN THE UNIT IS IN COOLING MODE, THE VAV CONTROLLER WILL MAINTAIN THE SPACE TEMPERATURE AT THE ACTIVE COOLING SETPOINT BY MODULATING THE AIRFLOW BETWEEN THE ACTIVE COOLING MINIMUM AIRFLOW SETPOINT TO THE MAXIMUM COOLING AIRFLOW SETPOINT. BASED ON THE VAV CONTROLLER OCCUPANCY MODE, THE ACTIVE COOLING SETPOINT WILL BE ONE OF THE FOLLOWING:

SETPOINT	DEFAULT VALUE
OCCUPIED COOLING SETPOINT	74.0 DEG. F
UNOCCUPIED COOLING SETPOINT	85.0 DEG. F
OCCUPIED STANDBY COOLING SETPOINT	78.0 DEG. F
OCCUPIED MIN COOLING AIRFLOW SETPOINT	SEE VAV SCHEDULE
OCCUPIED MAX COOLING AIRFLOW SETPOINT	SEE VAV SCHEDULE

THE VAV WILL USE THE MEASURED SPACE TEMPERATURE AND THE ACTIVE COOLING SETPOINT TO DETERMINE THE REQUESTED COOLING CAPACITY OF THE UNIT. THE OUTPUTS WILL BE CONTROLLED BASED ON THE UNIT CONFIGURATION AND THE REQUESTED COOLING CAPACITY.

HEATING MODE:
WHEN THE UNIT IS IN HEATING MODE, THE VAV CONTROLLER WILL MAINTAIN THE SPACE TEMPERATURE AT THE ACTIVE HEATING SETPOINT BY MODULATING THE AIRFLOW BETWEEN THE ACTIVE HEATING MINIMUM AIRFLOW SETPOINT TO THE MAXIMUM HEATING AIRFLOW SETPOINT. BASED ON THE VAV CONTROLLER OCCUPANCY MODE, THE ACTIVE HEATING SETPOINT WILL BE ONE OF THE FOLLOWING:

SETPOINT	DEFAULT VALUE
OCCUPIED HEATING SETPOINT	71.0 DEG. F
UNOCCUPIED HEATING SETPOINT	60.0 DEG. F
OCCUPIED STANDBY HEATING SETPOINT	67.0 DEG. F
OCCUPIED MIN HEATING AIRFLOW SETPOINT	SEE VAV SCHEDULE
OCCUPIED MAX HEATING AIRFLOW SETPOINT	SEE VAV SCHEDULE

THE VAV CONTROLLER WILL USE THE MEASURED SPACE TEMPERATURE AND THE ACTIVE HEATING SETPOINT TO DETERMINE THE REQUESTED HEATING CAPACITY OF THE UNIT. THE OUTPUTS WILL BE CONTROLLED BASED ON THE UNIT CONFIGURATION AND THE REQUESTED HEATING CAPACITY.

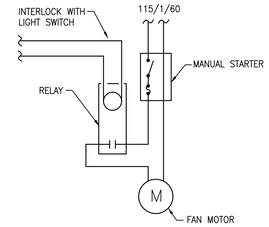
REHEAT CONTROL:
REHEAT WILL ONLY BE ALLOWED WHEN THE PRIMARY AIR TEMPERATURE IS 5.0 DEG. F BELOW THE CONFIGURED REHEAT ENABLE SETPOINT OF 70.0 DEG. F (ADJ.). THE REHEAT WILL BE ENABLED WHEN THE SPACE TEMPERATURE DROPS BELOW THE ACTIVE HEATING SETPOINT AND THE MINIMUM AIRFLOW REQUIREMENTS ARE MET. DURING REHEAT THE VAV WILL OPERATE AT ITS MINIMUM HEATING AIRFLOW SETPOINT AND ENERGIZE THE HEAT AS FOLLOWS:

PROPORTIONAL HOT WATER REHEAT:
IF THE SPACE TEMPERATURE IS BELOW THE HEATING SETPOINT THE HOT WATER REHEAT VALVE WILL MODULATE AS REQUIRED TO MAINTAIN THE ACTIVE HEATING SETPOINT.

VENTILATION CONTROL (OCCUPANCY):
WHEN THE UNIT IS IN UNOCCUPIED MODE, THE VENTILATION AIRFLOW SETPOINT WILL BE ZERO. WHEN THE UNIT IS IN OCCUPIED MODE, THE VENTILATION AIRFLOW SETPOINT WILL EQUAL THE DESIGN OUTDOOR AIRFLOW (SEE VAV SCHEDULE).

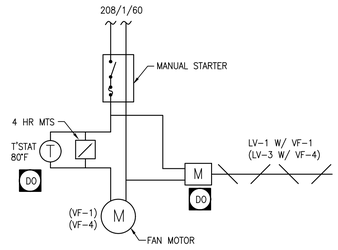
SPACE SENSOR FAILURE:
IF THERE IS A FAULT WITH THE OPERATION OF THE ZONE SENSOR AN ALARM WILL BE ANNUNCIATED AT THE BAS. SPACE SENSOR FAILURE WILL CAUSE THE VAV TO DRIVE THE DAMPER TO MINIMUM AIR FLOW IF THE VAV IS IN THE OCCUPIED MODE, OR DRIVE IT CLOSED IF THE VAV IS IN THE UNOCCUPIED MODE.

SMOKE EXHAUST OPERATION:
VAV UNITS THAT SERVE AN AREA WITH SMOKE EXHAUST SHALL BE SET TO 50% DAMPER POSITION (HEATING CFM) DURING SMOKE EXHAUST OPERATION.



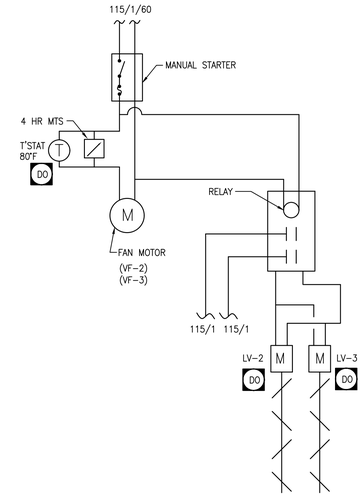
EF-1 EXHAUST FAN CONTROLS DIAGRAM

NOT TO SCALE



VF-1 & VF-4 CONTROLS

NOT TO SCALE



VF-2 & VF-3 CONTROLS

NOT TO SCALE

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IFB SET | 10.26.2026

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HVAC CONTROLS

M3.02

PLUMBING LEGEND

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

PLBG ABBREVIATIONS

AAV	AIR ADMITTANCE VALVE
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AV	ACID VENT
AW	ACID WASTE
BFF	BELOW FINISHED FLOOR
BFP	BACKFLOW PREVENTER
BT	BATH TUB
BTUH	BRITISH THERMAL UNIT PER HOUR
CFH	CUBIC FEET PER HOUR (1,000 BTUH)
CFM	CUBIC FEET PER MINUTE
CA	COMPRESSED AIR
CF	COMBINATION FIXTURE
CO	CLEANOUT
CP	CIRCULATION PUMP
DC	DOUBLE CHECK
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
DN	DOWN
DR	DRAIN
DW	DISHWASHER (O.F.E.)
ECO	EXTERIOR CLEAN OUT (2-WAY)
ERD	EMERGENCY ROOF DRAIN
EST.	ESTIMATED (APPROXIMATELY)
ET	EXPANSION TANK
EWH	ELECTRIC WATER HEATER
ETR.	EXISTING TO REMAIN
EX. EXIST.	EXISTING
EWC	ELECTRIC WATER COOLER
EWT	ENTERING WATER TEMPERATURE
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FFE	FINISHED FLOOR ELEVATION
FS	FLOOR SINK
FLA	FULL LOAD AMPERAGE
FM	FM GLOBAL
FT.HD.	FEET OF HEAD
GAL	GALLON
GCO	GRADE CLEANOUT
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GI	GREASE INTERCEPTOR (OUTSIDE)
GT	GREASE TRAP (INSIDE)
GW	GREASE WASTE
GWH	GAS WATER HEATER
HA	WATER HAMMER ARRESTOR
HP	HORSE POWER
HWG	HOT WATER GENERATOR
HX	HEAT EXCHANGER
ICC	INTERNATIONAL CODE COUNCIL
ICE	ICE MAKER (O.F.E.)
IND. IW	INDIRECT, INDIRECT WASTE
INV.	INVERT ELEVATION
IN WC.	INCHES WATER COLUMN
KW	KILOWATT
K-#	KITCHEN EQUIPMENT NUMBER
LAV	LAVATORY
LT	LINT TRAP
LWT	LEAVING WATER TEMPERATURE
MB	MOP BASIN
MH	MAN HOLE
M-#	MEDICAL FIXTURE EQUIPMENT NUMBER
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NRS	NON RISING STEM
O.F.E.	OWNER FURNISHED EQUIPMENT
OS&Y	OUTSIDE SCREW AND YOKE
P-#	PLUMBING FIXTURE NUMBER
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
RD	ROOF DRAIN
RL	RAIN LEADER
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
SAN	SANITARY
SC	STORM CONDUCTOR
SSC	SECONDARY STORM CONDUCTOR
SCFM	STANDARD CUBIC FEET PER MINUTE
SHR	SHOWER
SK	SINK
SS	SOIL STACK
ST	STORM
SST	SECONDARY STORM
TB	THRUST BLOCK
TDL	TOTAL DEVELOPED LENGTH
TF	TERMINAL FITTING
TG	TRAP GUARD
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
TYP	TYPICAL
UB	UTILITY BOX
UR	URINAL
V	VENT
VAC	VACUUM
V/P	VOLTAGE / PHASE
VSTR	VENT STACK THROUGH ROOF
VS	VENT STACK
VTR	VENT THROUGH ROOF
WAGD	WASTE ANESTESIA GAS DISPOSAL
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WMB	WASHING MACHINE BOX
WS	WASTE STACK
YCO	YARD CLEANOUT

WATER HAMMER SCHEDULE

MARK	PPP	PIPE SIZE	WSFU
HA-A	A	1/2"	1-11
HA-B	B	3/4"	12-32
HA-C	C	1"	33-60
HA-D	D	1-1/4"	61-113
HA-E	E	1-1/2"	114-154
HA-F	F	2"	155-330

INSULATION SCHEDULE

TEMPERATURE IN PIPING	PIPE SIZE	INSULATION THICKNESS
40°F AND LOWER	3/4" AND SMALLER	1/2"
	1" AND LARGER	1"
40°F - 60°F	1-1/4" AND SMALLER	1/2"
	1-1/2" AND LARGER	1"
105°F - 140°F	1-1/4" AND SMALLER	1"
	1-1/2" AND LARGER	1-1/2"

NOTES:
1) SCHEDULE BASED ON IECC TABLE C403.2.10.

GENERAL NOTES - PLUMBING

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

GENERAL NOTES - HYDROFLUSH

1. ALL BELOW SLAB NON-PRESSURE, GRAVITY DRAINAGE SYSTEMS (SANITARY, WASTE AND STORM PIPING), 3" AND LARGER SHALL BE HYDROFLUSHED TO A POINT 100 FEET AWAY FROM THE BUILDING FOUNDATION OR TO THE NEAREST MANHOLE, WHICH EVER IS FIRST.
2. AFTER HYDROFLUSHING, ALL BELOW SLAB NON-PRESSURE, GRAVITY DRAINAGE SYSTEMS SHALL BE VIDEO INSPECTED AND RECORDED.
3. COPIES OF THE VIDEO INSPECTION SHALL BE PROVIDED TO THE ARCHITECT FOR REVIEW.
4. ANY DEFICIENCIES (E.G. DEBRIS, BLOCKAGES, LOW POINTS (BELLIES), BROKEN OR DAMAGED PIPING) DISCOVERED AS A RESULT OF THE VIDEO INSPECTION SHALL BE CLEARED OR REPAIRED.
5. HYDRO-FLUSHING AND VIDEO INSPECTION SHALL BE PERFORMED PRIOR TO THE FLOOR SLAB BEING POURED AND AGAIN PRIOR TO SUBSTANTIAL COMPLETION.

GENERAL NOTES - UTILITIES

1. WITHIN THE SCOPE OF THIS CONTRACT THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INCLUDING WITHIN THEIR BID AND PAYING ALL FEES INCURRED FOR ALL UTILITY CONNECTION FEES, TAP OR METER FEES, FIELD ENGINEERING COSTS, EQUIPMENT COSTS, INSTALLATION COSTS, AID TO CONSTRUCTION COSTS ETC FOR EACH UTILITY REQUIRED TO BE FULLY INSTALLED AND CONNECTED TO THIS FACILITY. ALL SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD REQUIREMENTS OF THE UTILITY PROVIDER, SPECIFICATIONS AND APPLICABLE CODES.
2. IF THE UTILITY PROVIDERS REQUIREMENTS ARE AT A VARIANCE WITH THESE CONSTRUCTION DOCUMENTS, THE CONTRACTORS BID SHALL INCLUDE THE ADDITIONAL COSTS REQUIRED TO COMPLETE THE INSTALLATION.
3. PLANNED INTERRUPTIONS OF ANY UTILITY SERVICE TO THE EXISTING FACILITY OR ANY PORTIONS OF THE EXISTING FACILITY AFFECTED BY THIS CONTRACTOR SHALL BE CAREFULLY PLANED AND COORDINATED A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF THE REQUESTED INTERRUPTION. THE CONTRACTOR SHALL NOT INTERRUPT SERVICES UNTIL THE SPECIFIC WRITTEN APPROVAL HAS BEEN GRANTED BY THE OWNER AND ARCHITECT. THE REQUEST FOR INTERRUPTIONS SHALL AT A MINIMUM INDICATE:

   SERVICES TO BE AFFECTED
   AREA OR AREAS TO BE AFFECTED
   DATE OF INTERRUPTION
   TIME AND ANTICIPATED DURATION.

4. REQUEST FOR INTERRUPTIONS OF SERVICE WILL NOT BE APPROVED UNTIL ALL EQUIPMENT AND MATERIAL REQUIRED FOR THE COMPLETION OF THAT PARTICULAR PHASE OF WORK ARE PRESENT ON THE PROJECT SITE AND READY FOR INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR ALL OVERTIME, HOLIDAY, WEEKEND PAY ETC. TO THEIR EMPLOYEES TO CONDUCT THIS WORK DURING SCHEDULED NON-BUSINESS WORK HOURS OF THE FACILITY.

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JAMES S. DAVIS No. 14178 PROFESSIONAL ENGINEER
10/26/26

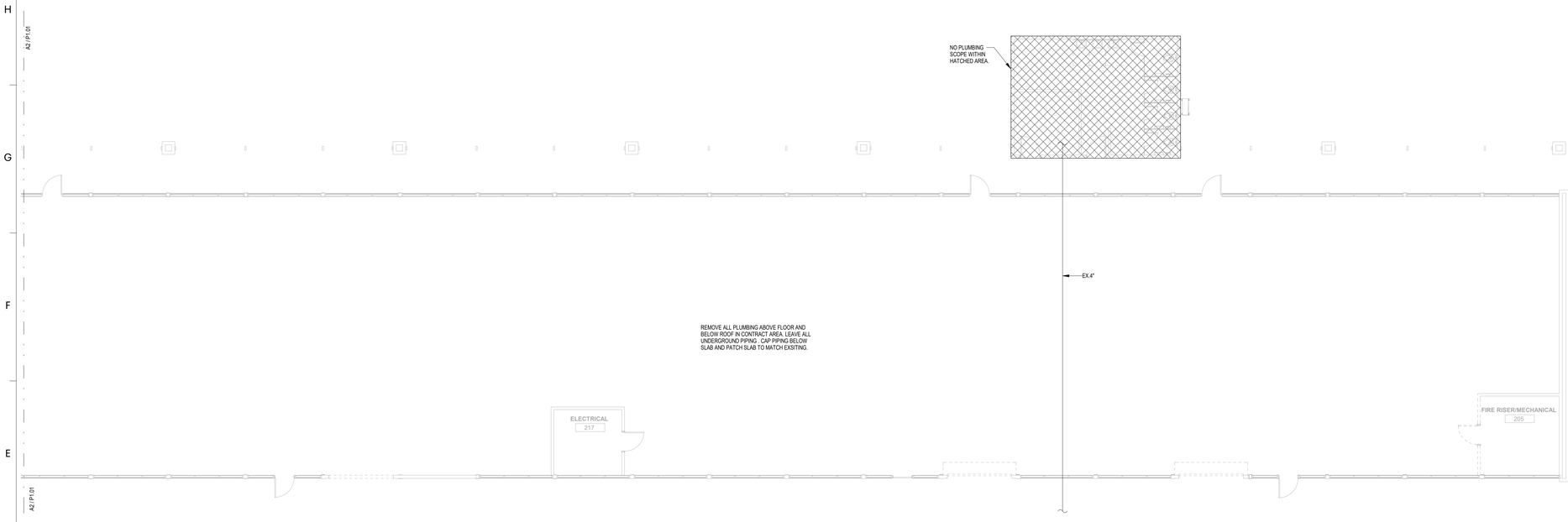
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PLUMBING LEGEND AND NOTES

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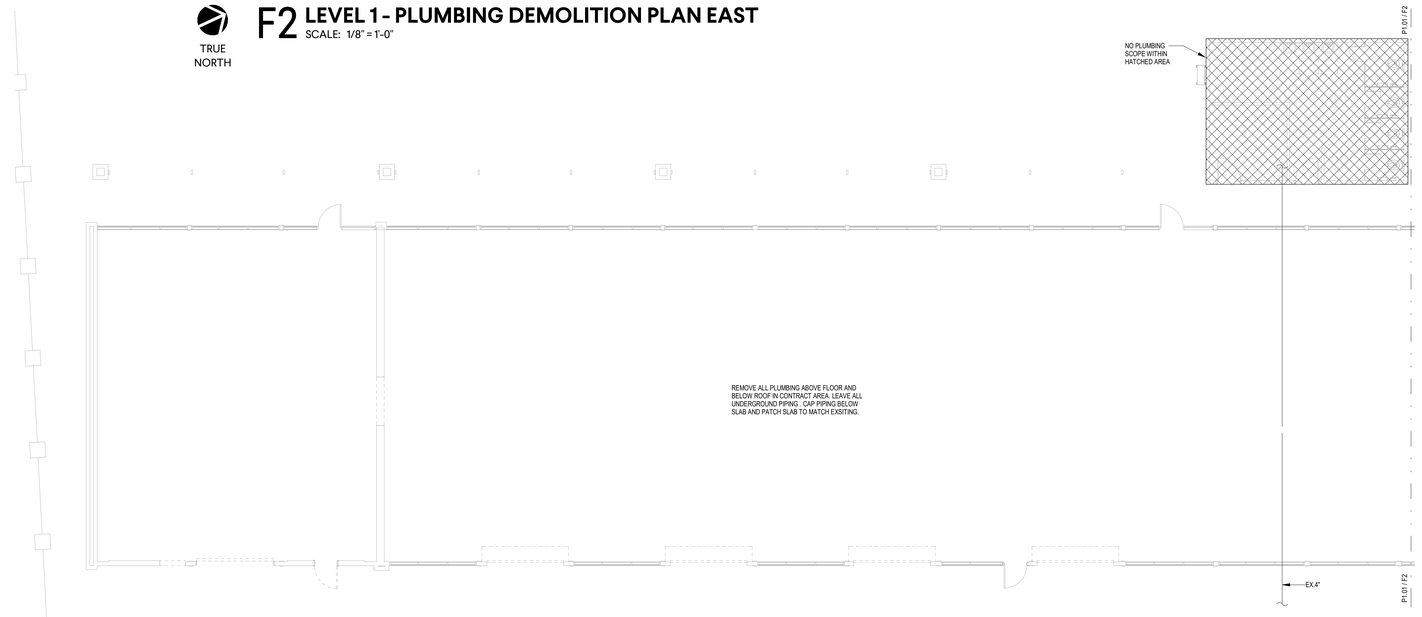
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TRUE NORTH

F2 LEVEL 1 - PLUMBING DEMOLITION PLAN EAST
SCALE: 1/8" = 1'-0"



TRUE NORTH

A2 LEVEL 1 - PLUMBING DEMOLITION PLAN WEST
SCALE: 1/8" = 1'-0"

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ALABAMA
No. 14178
PROFESSIONAL
JAMES S. DAVIS, JR.
ENGINEER
10/26/26

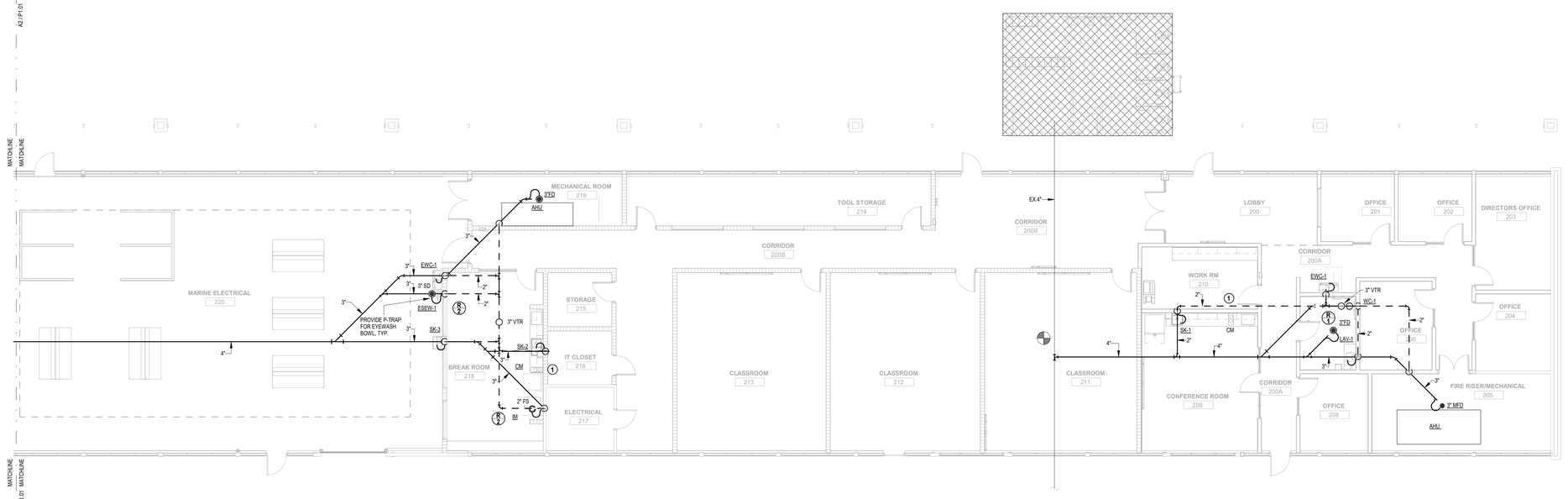
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PLUMBING DEMOLITION PLANS

PD1.01

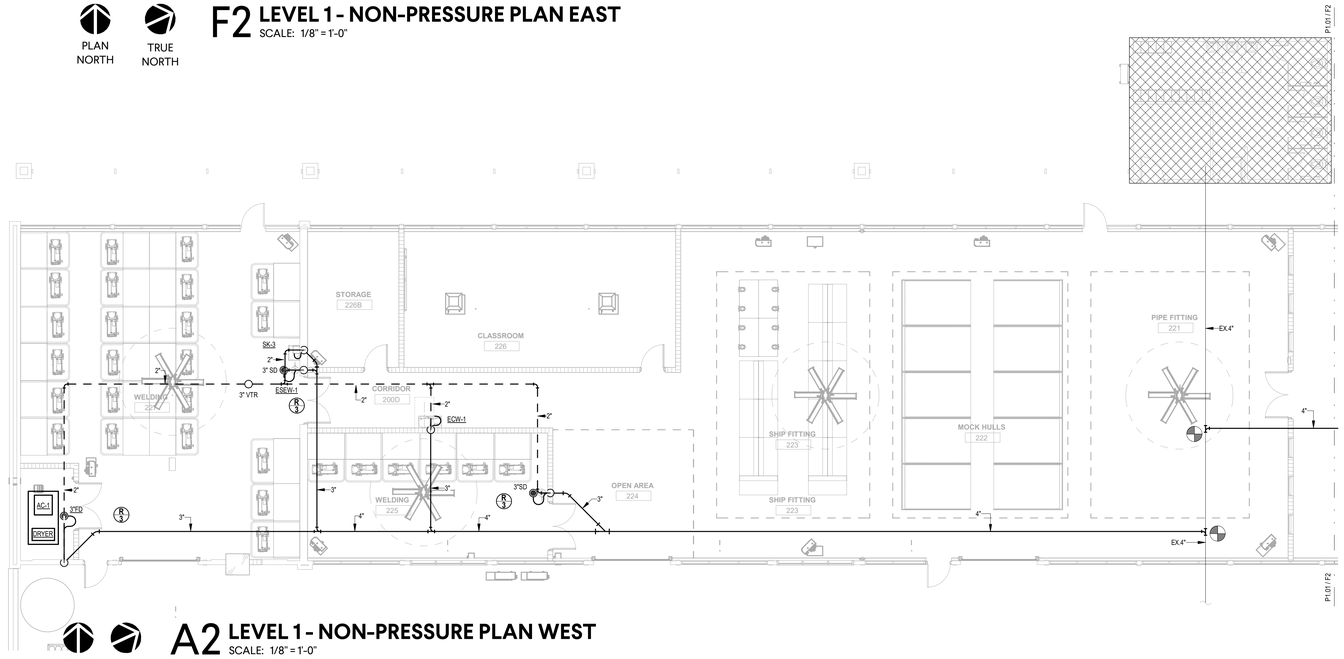
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PLAN NORTH TRUE NORTH

F2 LEVEL 1 - NON-PRESSURE PLAN EAST
SCALE: 1/8" = 1'-0"



PLAN NORTH TRUE NORTH

A2 LEVEL 1 - NON-PRESSURE PLAN WEST
SCALE: 1/8" = 1'-0"

GENERAL NOTES: NON-PRESSURE

1. CONNECT NEW VENT LINES TO EXISTING OF SAME SIZE OR LARGER, OR PROVIDE NEW VTR AS SHOWN.

KEYED NOTES: NON-PRESSURE

1. PIPE CM DRAIN TO 2" HUB DRAIN UNDER COUNTER AT SK OR PIPE NEARBY FS.

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NON-PRESSURE PLUMBING PLANS

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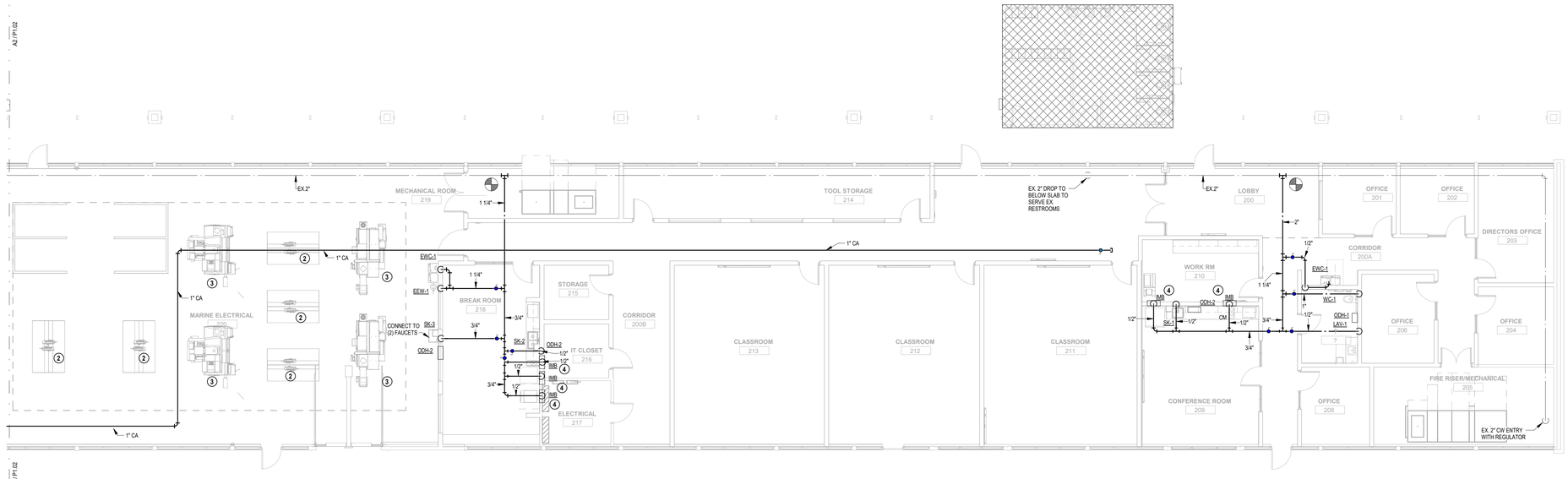
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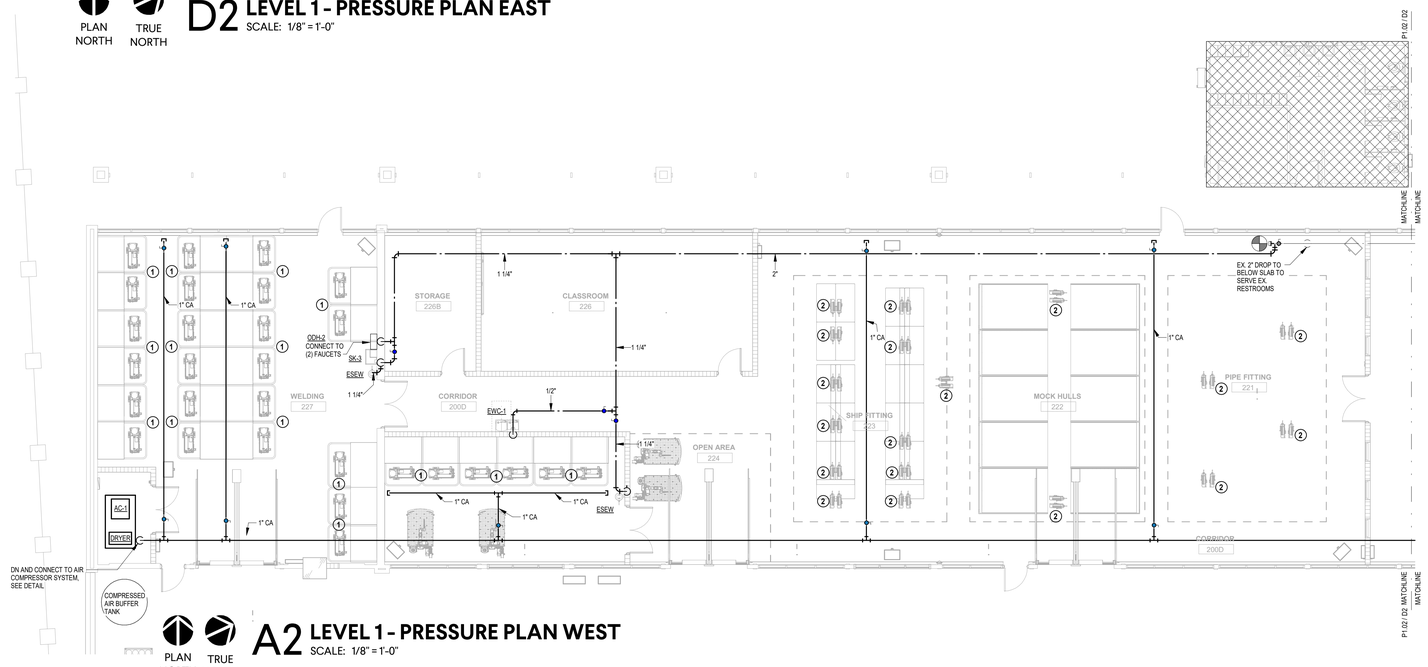
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PLAN NORTH TRUE NORTH

D2 LEVEL 1 - PRESSURE PLAN EAST

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



PLAN NORTH TRUE NORTH

A2 LEVEL 1 - PRESSURE PLAN WEST

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

KEYED NOTES: PRESSURE

1. PROVIDE 1" COMPRESSED AIR WITH ISOLATION BALL VALVE TO EACH PAIR OF (2) WELDING BOOTHS. SECURE AIR LINE TO BOOTH WALL. PROVIDE FILTER/REGULATOR TO PRESSURE REQUIRED AT EQUIPMENT. RUN FLEX LINES WITH QUICK DISCONNECT TO EACH BOOTH CONNECTION . CONNECT PER MANUFACTURER.
2. PROVIDE 1" COMPRESSED AIR HOSE REEL AT EACH PAIR OF AIR/POWER REELS. MOUNT ON UNISTRUT SUPPORT PROVIDED BY STRUCTURAL. PROVIDE 1/2" AIR SUPPLY WITH FILTER/REGULATOR ON INLET PIPE. AS REQUIRED, COORDINATE WITH OWNER FURNISHED EQUIPMENT.
3. PROVIDE 1/2" COMPRESSED AIR TO EACH CNC MACHINE. SECURE AIR LINE TO ADJACENT WALL. PROVIDE FILTER/REGULATOR ON PIPE AS REQUIRED. TERMINATE HARD PIPE WITH QUICK DISCONNECT AND RUN COILED HOSE FROM QUICK DISCONNECT TO MACHINE. CONNECT PER MANUFACTURER.
4. FOR EACH IM/CM, INCLUDE ASSE 1020 BACKFLOW PREVENTER AND WATER FILTER.

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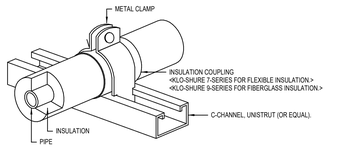
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PROFESSIONAL
ENGINEER
JAMES S. DAVIS, JR.
10/26/26 225108

PRESSURE PLUMBING PLANS

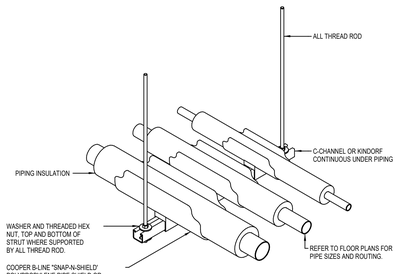
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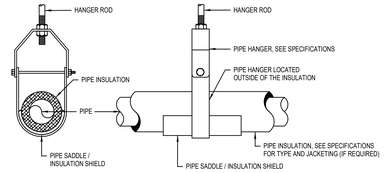


DETAIL NOTES:
1. FOR STRUT-MOUNTED, 4-INCH AND SMALLER, COPPER PIPING WITH <FOAMED PLASTIC (ARMAFLEX)> OR <FIBERGLASS> INSULATION.
2. ALLOWED FOR HORIZONTAL OR VERTICAL INSTALLATION.
3. SECURE ANCHOR C-CHANNEL TO ADJACENT SURFACES OR RAILS/POSTS.
4. FOR COLD PIPE APPLICATIONS, APPLY ADHESIVE TO END OF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

4 P-501 **DETAIL OF STRUT MOUNTED PIPING SUPPORT**
NO SCALE

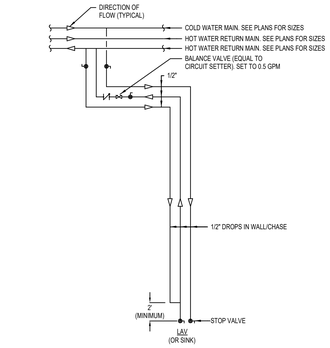


3 P-501 **DETAIL OF TRAPEZE SUPPORT**
NO SCALE

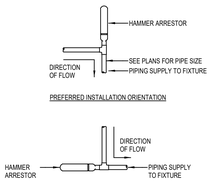


DETAIL NOTES:
1. PROVIDE FIBER GLASS INSULATION FOR THE FOLLOWING SYSTEMS
DOMESTIC COLD WATER
DOMESTIC HOT WATER
DOMESTIC HOT WATER RETURN
STORM PIPING
EXPOSED (ABOVE GROUND) SANITARY/WASTE PIPING RECEIVING CONDENSATE FROM REFRIGERATION EQUIPMENT OR TEMPERATURES ABOVE 120°F
2. PIPING EXPOSED TO FREEZING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

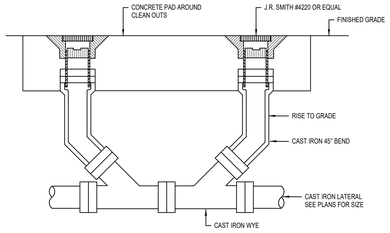
2 P-501 **DETAIL OF CLEVIS HANGER**
NO SCALE



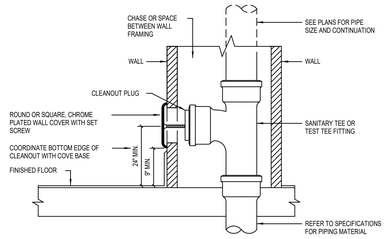
1 P-501 **DETAIL OF ENERGY CODE COMPLAINT SUPPLY TO LAVATORY/SINK**
NO SCALE



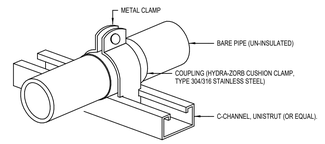
8 P-501 **DETAIL OF HAMMER ARRESTOR**
NO SCALE



7 P-501 **DETAIL OF EXTERIOR CLEANOUT TO GRADE**
NO SCALE

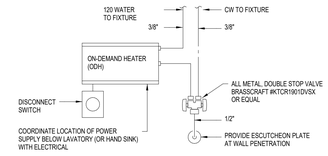


6 P-501 **DETAIL OF WALL CLEANOUT**
NO SCALE

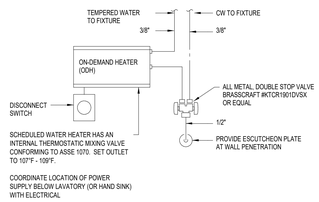


DETAIL NOTES:
1. FOR STRUT-MOUNTED, UN-INSULATED PIPING.
2. ALLOWED FOR HORIZONTAL OR VERTICAL INSTALLATION.
3. SECURE ANCHOR C-CHANNEL TO ADJACENT SURFACES OR RAILS/POSTS.

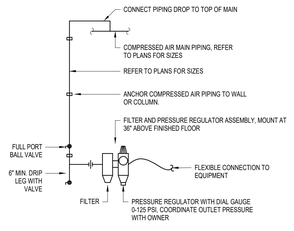
5 P-501 **DETAIL OF STRUT MOUNTED PIPING SUPPORT**
NO SCALE



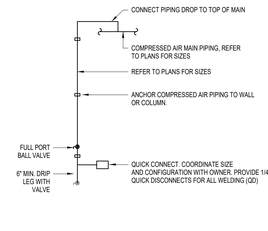
12 P-501 **DETAIL of ON-DEMAND WATER HEATER (NON-THERMOSTATIC)**
NO SCALE



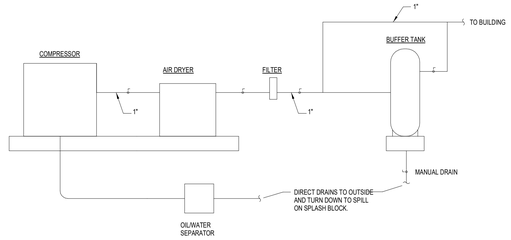
11 P-501 **DETAIL of ON-DEMAND WATER HEATER (ODH-1)**
NO SCALE



10 P-501 **DETAIL OF COMPRESSED AIR DROP TO EQUIPMENT**
NO SCALE



9 P-501 **DETAIL OF COMPRESSED AIR DROP (QD)**
NO SCALE



13 P-501 **PIPING DETAIL OF AIR COMPRESSOR**
NO SCALE

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PLUMBING DETAILS

P5.01

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PLUMBING FIXTURE CONNECTION & DESCRIPTION SCHEDULE

MARK	FIXTURE	WASTE	COLD	HOT	SPECIFICATIONS
WC-1	WATER CLOSET, ADA	4"	1"	---	KOHLER #K-96057-0 "HIGHCLIFF", WHITE, VITREOUS CHINA, FLOOR MOUNTED, BOTTOM OUTLET, ELONGATED BOWL, 1-1/2" TOP SPUD, ADA HEIGHT WATER CLOSET WITH: SLOAN G2-RESS-C-1.6-HW HARD-WIRED SENSOR FLUSH VALVE. INCLUDE TRANSFORMER FOR UP TO 6 VALVES. SLOAN #A-312-A, SPUT RING Y-J BRACKET. CHURCH #2155SSCT WHITE, OPEN FRONT, HEAVY DUTY PLASTIC TOILET SEAT WITH ANTI-MICROBIAL FINISH AND SELF SUSTAINING HINGES. PROVIDE FLOOR FLANGE AND WAX SEAL. INSTALL FLUSH VALVE WITH HANDLE ON THE OPEN SIDE (WIDE SIDE) OF STALL OR ROOM. MUST MEET ADA.
LAV-1	LAVATORY	1-1/4"	1/2"	1/2"	KOHLER #K-2007-0 "KINGSTON", WHITE, VITREOUS CHINA, WALL HUNG, DRILLED FOR CONCEALED ARMS LAVATORY WITH: AMERICAN STANDARD SELECTRONIC 6058.165 HARD-WIRED FAUCET. INCLUDE MULTI-AC POWER SUPPLY FOR UP TO 15 FAUCETS. McGUIRE #155A PO PLUG AND CHROME PLATED BRASS TAIL PIECE. McGUIRE #8872 CHROME PLATED BRASS P-TRAP WITH CLEANOUT PLUG. McGUIRE #LF2165 CHROME PLATED BRASS STOP VALVES AND SUPPLY RISERS. WATTS #LFUSG-SC-M2 SATIN CHROME FINISH, BRASS BODY, ASSE 1070 THERMOSTATIC MIXING VALVE, SET OUTLET TO 109°F. JR SMITH #700 SERIES IN WALL CARRIER. IPS CORP TRUBRO LAV GUARD WASTE AND SUPPLY COVERS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR MOUNTING HEIGHT. MUST MEET ADA.
EWC-1	WATER COOLER, BI-LEVEL, ADA	1-1/2"	1/2"	---	ELKAY MODEL NO. LZSTL8WSSPRO-2FLP4 BI-LEVEL WATER COOLER, INCLUDE BOTTLE FILLING STATION ON ADA SIDE, TOP FILTER REPLACEMENT, WITH DOUBLE FILTER CAPACITY. COMPLETE WITH BALL VALVE STOP AND McGUIRE 8972 P-TRAP. MUST MEET A.D.A. INCLUDE ELECTRIC WATER COOLER CARRIER BY JR SMITH SUITABLE FOR ARRANGEMENT OF FIXTURE TO BE INSTALLED.
SK-1	SINK, SINGLE BOWL	1-1/2"	1/2"	1/2"	ELKAY #ECTSR25229TBG 'CROSSTOWN' 25"x22"x9", 304 STAINLESS STEEL, COUNTER SET OR UNDERMOUNT, SINGLE BOWL SINK WITH: KOHLER #596 'SIMPLICE' SINGLE HANDLE, GOOSENECK WITH PULL OUT SPRAY HEAD FAUCET, 1.5 GPM. ELKAY #LK35 STRAINER AND TAIL PIECE. McGUIRE #8912C CHROME PLATED BRASS P-TRAP WITH CLEANOUT PLUG. McGUIRE #LF2165 CHROME PLATED BRASS STOP VALVES AND SUPPLY RISERS. COORDINATE SINK MOUNTING WITH ARCHITECT. COORDINATE FAUCET FINISHES WITH ARCHITECT.
SK-2	SINK, DOUBLE BOWL	1-1/2"	1/2"	1/2"	ELKAY #ECTSRA33229TBG 'CROSSTOWN' 33"x22"x9", 304 STAINLESS STEEL, COUNTER SET OR UNDERMOUNT, DOUBLE BOWL SINK WITH: KOHLER #596 'SIMPLICE' SINGLE HANDLE, GOOSENECK WITH PULL OUT SPRAY HEAD FAUCET, 1.5 GPM. ELKAY #LK35 STRAINER AND TAIL PIECE. McGUIRE #111C1631T CHROME PLATED BRASS END OUTLET CONTINUOUS WASTE. McGUIRE #8912C CHROME PLATED BRASS P-TRAP WITH CLEANOUT PLUG. McGUIRE #LF2165 CHROME PLATED BRASS STOP VALVES AND SUPPLY RISERS. COORDINATE SINK MOUNTING WITH ARCHITECT. COORDINATE FAUCET FINISHES WITH ARCHITECT.
SK-3	UTILITY SINK	2"	1/2"	1/2"	ADVANCE TABCO FS-FM-40EF, 40"x19.5"x8", 14 GAUGE 304 STAINLESS STEEL, FREESTANDING UTILITY SINK WITH: K-6 DRAIN (2) BATTERY SPLASH MOUNTED FAUCETS. ELKAY #LK35 STRAINER AND TAIL PIECE. McGUIRE TAILPIECE. McGUIRE 2" CHROME PLATED BRASS P-TRAP WITH CLEANOUT PLUG. McGUIRE #LF2165 CHROME PLATED BRASS STOP VALVES AND SUPPLY RISERS.
ESEW	EMERGENCY SHOWER/EYE WASH	3" SD	1-1/4"	--	ACORN SAFETY S-1340-BF, PEDESTAL MOUNT, STAINLESS BOWL, PLASTIC SHOWERHEAD, BARRIER FREE, HANDICAP ACCESSIBLE.

NOTES:
1. REFER TO ARCHITECTURAL ELEVATIONS FOR ALL MOUNTING HEIGHTS.
2. COORDINATE ALL FINISHES WITH ARCHITECT PRIOR TO ORDERING EQUIPMENT.
3. PROVIDE A BEAD OF MOLD RESISTANT, SILICONE CAULK BETWEEN ALL FIXTURES AND THE SURFACES THEY ARE MOUNTED TO.
4. STOP VALVES WITH PLASTIC COMPONENTS (STEM, HANDLE, BALL, ETC) ARE NOT ACCEPTABLE.

PLUMBING SPECIALTIES CONNECTION SCHEDULE - PRESSURE

MARK	SPECIALTY EQUIPMENT	WASTE	COLD	HOT	CA	SPECIFICATIONS
WH-1	WALL HYDRANT	-	3/4"	-	-	J.R. SMITH #J.R. Smith 5509-QT, WALL HYDRANT, BOX TYPE, CONCEALED HOSE CONNECTION WITH HINGED LOCKING COVER 20 GAUGE STAINLESS STEEL BOX, NICKEL BRONZE BOX FACE. ALL BRONZE HYDRANT, CHROME PLATED FACE, 3/4" HOSE CONNECTION, LOOSE TEE HANDLE, ASSE 1011 VACUUM BREAKER. COORDINATE WALL THICKNESS AND LOCATION ON WALL WITH ARCHITECT.
RH-1	COMPRESSED AIR HOSE REEL				1/2"	REELCRAFT #A5850 OLP-1/2. PROVIDE STOP FOR MINIMUM HOSE RETRACTING.

NOTES:
1. FOR HOSE BIBBS / WALL HYDRANTS - CHICAGO FAUCETS, J.R. SMITH, WOODFORD AND ZURN ARE APPROVED EQUALS.

PLUMBING SPECIALTIES CONNECTION SCHEDULE - NON-PRESSURE

MARK	SPECIALTY EQUIPMENT	WASTE	VENT	STORM	SPECIFICATIONS
FD	FLOOR DRAIN	SEE PLANS	SEE PLANS	-	J.R. SMITH #2005-NB, CAST IRON BODY, FLASHING COLLAR AND ADJUSTABLE 6" ROUND NICKEL BRONZE STRAINER. PROVIDE SQUARE GRATE FOR TILE FLOORS. PROVIDE TRAP PRIMER CONNECTION WHERE INDICATED ON PLANS, PROVIDE ASSE 1072 MECHANICAL TRAP SEAL DEVICE IN ALL OTHERS. PROVIDE DEEP SEAL P-TRAP. RIM OF FLOOR DRAIN SHALL BE SET FLUSH WITH THE SURROUNDING FINISHED FLOOR.
MFD	MECHANICAL FLOOR DRAIN	SEE PLANS	SEE PLANS	-	J.R. SMITH #2130-B-M, CAST IRON BODY, FLASHING COLLAR AND ADJUSTABLE ROUND SLOTTED DUCTILE IRON GRATE, WITH SEDIMENT BUCKET AND TRAP PRIMER CONNECTION. PROVIDE DEEP SEAL P-TRAP.

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

AIR COMPRESSOR SCHEDULE

MODEL	LOCATION	TYPE	CFM (@ 125 PSIG)	PRESS. (PSI)	RECEIVER		ELECTRICAL			BASIS OF DESIGN
					GAL	ORIENT.	HP (SYSTEM)	HZ	V/P	
AC-1	WELDING LAB	ROTARY SCREW (VARIABLE SPEED)	80	125	120	HORT.	20	60	480/3	GARDNER DENVER #L15RS

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

AIR RECEIVER STORAGE:

Samuel Vertical base-ring mount 500-gallon pressure vessels shall be pressure rated for 165 psig MAWP at 400 F and built- in accordance with the ASME Section VIII Division I code latest addition and "U" stamped and registered with National Board. Exterior surface shall be painted with a polyurethane, automotive finish. A tank pressure gauge, safety relief valve and manual tank drain shall be included.

ELECTRIC WATER HEATER SCHEDULE - ON-DEMAND

MARK	LOCATION	SERVING	TYPE	E.W.T. (°F)	L.W.T. (°F)	FLOW (GPM)	ELECTRICAL			BASIS OF DESIGN
							KW	HZ	V/P	
ODH-1	RR 146	LAVATORY	ON-DEMAND	60	107	0.5	4.16	60	277/1	CHRONOMITE #CMI-20L/277
ODH-2	VARIOUS	SINK	ON-DEMAND	50	120	2	13.3	60	277/1	CHRONOMITE #R-48L/277

NOTES:
1. BASIS OF DESIGN IS CHRONOMITE. EEMAX IS APPROVED EQUAL.
2. ODH-1 SCHEDULED ON-DEMAND HEATER IS ASSE 1070 LISTED. IF PROVIDING AN ALTERNATE MANUFACTURER/MODEL AND THE SUBMITTED ON-DEMAND HEATER IS NOT ASSE 1070 CERTIFIED, AN THERMOSTATIC MIXING VALVE CONFORMING TO ASSE 1070 IS REQUIRED.

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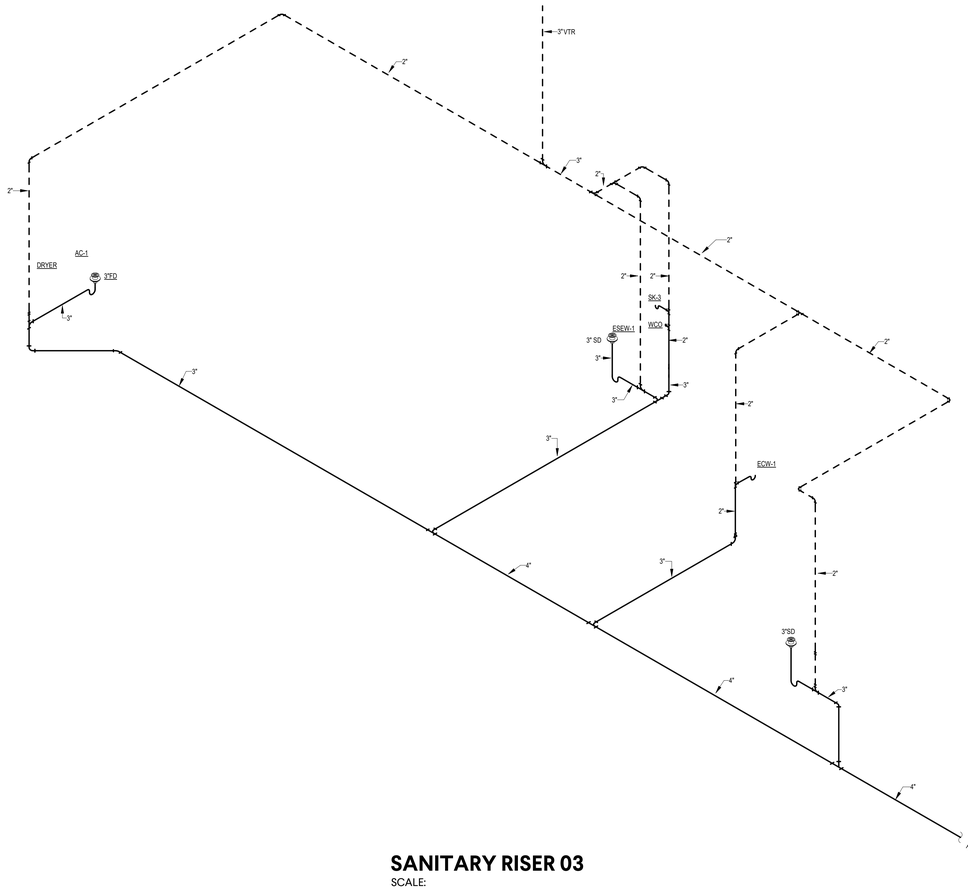
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10/26/26
225108

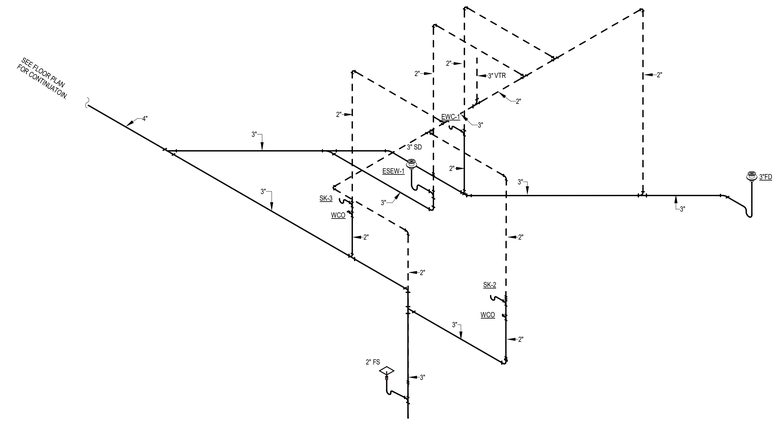
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P6.01

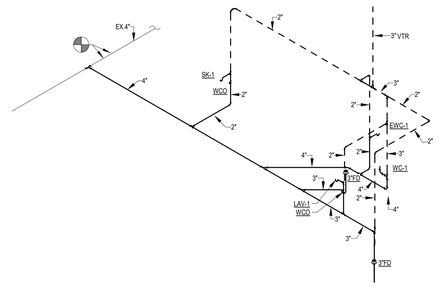
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SANITARY RISER 03
SCALE:



SANITARY RISER 02
SCALE:



SANITARY RISER 01
SCALE:

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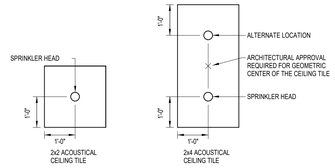
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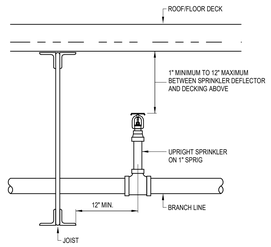
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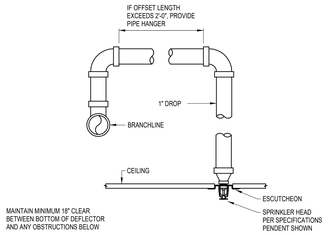
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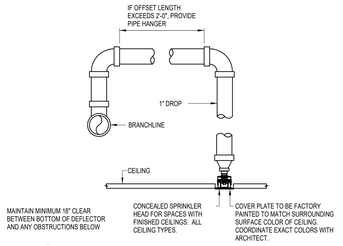
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NO SCALE



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



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



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

FP LEGEND

F	FIRE PROTECTION (WET)
	ALARM CHECK VALVE (ACV)
	GATE VALVE WITH TAMPER SWITCH
	BUTTERFLY VALVE WITH TAMPER SWITCH
	CHECK VALVE
	FLOW SWITCH (FS)
	ZONE CONTROL
	FIRE DEPARTMENT VALVE (FDV)
	FIRE VALVE CABINET (FVC)
	FLOW ARROW
	PIPE TURNING UP
	PIPE TURNING DOWN
	PIPE BOTTOM TAP
	CAP OR PLUG
	POINT OF CONNECTION
	PIPING CONTINUED
	PIPE SLEEVE (AT FOUNDATION WALL)
#	DRAWING NOTE	KEY NOTE
#	DRAWING REVISION

FP ABBREVIATIONS

ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AV	AIR VENT
BFP	BACKFLOW PREVENTER
DCDA	DOUBLE CHECK DETECTOR ASSEMBLY
DR	DRAIN
EST.	ESTIMATED (APPROXIMATELY)
FFE	FINISHED FLOOR ELEVATION
FP	FIRE PROTECTION
FS	FLOW SWITCH
FVC	FIRE VALVE CABINET
GPM	GALLONS PER MINUTE
IFC	INTERNATIONAL FIRE CODE
ICC	INTERNATIONAL CODE COUNCIL
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NICET	NATIONAL INSTITUTE OF CERTIFICATION IN ENGINEERING TECHNOLOGIES
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
PSI	POUNDS PER SQUARE INCH
QR	QUICK RESPONSE
TYP	TYPICAL

FIRE STOP NOTES

1.	PROVIDE AND INSTALL U.L. CLASSIFIED THROUGH-PENETRATION FIRE STOP SYSTEMS FOR PIPING AND CONDUIT PENETRATIONS THROUGH ALL FIRE RESISTANT / RATED ASSEMBLIES IN ACCORDANCE WITH MANUFACTURERS GUIDELINES.
2.	FIRE STOP SYSTEMS PROVIDED SHALL RESIST THE SPREAD OF FIRE, THE PASSAGE OF SMOKE AND OTHER GASES.

FIRE PROTECTION NOTES

1. LOCATIONS OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE. VERIFY WITH THE LOCAL UTILITY PROVIDER PRIOR TO BIDDING.
2. THE LOCATION, ROUTING OF PIPE, FITTINGS, VALVES AND SPRINKLERS INDICATED ARE SCHEMATIC IN NATURE AND ARE SHOWN FOR REFERENCE ONLY. THIS CONTRACTOR SHALL DETERMINE EXACT LOCATIONS, ROUTING AND SIZING OF THE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13
3. THIS CONTRACTOR SHALL PROVIDE WORKING SHOP DRAWINGS, HYDRAULIC CALCULATIONS AND MATERIAL DATA.
4. MODIFY THE EXISTING WET AUTOMATIC SPRINKLER SYSTEM TO PROVIDE COVERAGE FOR HEATED AREAS OF THE BUILDING IN ACCORDANCE WITH NFPA 13, NFPA 101, THE INTERNATIONAL FIRE CODE (IFC), CITY MUNICIPAL REQUIREMENTS AND DIVISION 21 SPECIFICATIONS.
5. BRANCH LINES (WHERE POSSIBLE) SHALL BE RUN IN THE HEATED SPACE ABOVE CEILING. SPRINKLER PIPING SHALL BE COORDINATED WITH DUCTWORK, CONDUIT, LIGHTS, PLUMBING PIPING AND OTHER RELATED TRADES TO ENSURE ALL INTERFERENCE HAS BEEN RESOLVED BEFORE INSTALLING PIPING.
6. ALL WET SYSTEM PIPING SHALL BE INSTALLED WITHIN THE HEATED ENVELOPE OF THE BUILDING.
7. ALL WORKMANSHIP, MATERIALS AND TESTING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA 13, 25 AND 101.
8. PROVIDE WIRE CAGE SPRINKLER GUARDS OVER UPRIGHT SPRINKLER HEADS LOCATED IN ELECTRICAL ROOMS, TELEPHONE EQUIPMENT ROOMS, MECHANICAL ROOMS, AND OTHER SIMILAR SPACES WHERE SPRINKLER HEADS ARE SUBJECT TO MECHANICAL DAMAGE. COORDINATE WITH ARCHITECT WHETHER RECESSED OR CONCEALEDD SPRINKLERS SHOULD BE USED IN CEILINGS.
9. ALL SPRINKLERS SHALL BE CENTERED BOTH DIRECTIONS IN CEILING TILES AND ALL HEADS SHALL BE LOCATED SYMMETRICALLY IN ROOMS AND CORRIDORS.
10. ALL SPRINKLERS SHALL BE QUICK RESPONSE TYPE.
11. SPRINKLER PIPING SHALL NOT BE ROUTED DIRECTLY OVER ELECTRICAL PANELS. SPRINKLERS LOCATED IN ELECTRICAL ROOMS SHALL BE SUPPLIED BY PIPING THAT TERMINATES IN THE ROOM AND DOES NOT PASS OVER ELECTRICAL PANELS OR EQUIPMENT.
12. MAINTAIN MINIMUM 18" OF CLEARANCE BETWEEN THE SPRINKLER DEFLECTOR AND THE TOP OF STORAGE, SHELVING, FILES ETC.
13. ALL SHUTOFF VALVES IN THE FIRE PROTECTION SYSTEM SHALL BE AN INDICATING TYPE AND SHALL BE PROVIDED WITH A TAMPER SWITCH. EXCEPTION: DRAIN VALVES.
14. PROVIDE ACCESS PANELS FOR ALL VALVES AND ZONE CONTROLS LOCATED ABOVE HARD CEILINGS. COORDINATE SIZE AND LOCATION OF ACCESS PANEL WITH ARCHITECT.
15. ALL FIRE PROTECTION PIPING SHALL BE LABELED WITH THE DIRECTION OF FLOW INDICATED.
16. ALL FIRE PROTECTION MATERIALS SHALL BE MANUFACTURED IN THE USA. THIS INCLUDES ALL SPRINKLERS, BLACK STEEL PIPING, FITTINGS, VALVES, SWITCHES, HANGERS AND ALL OTHER APPURTENANCES IN THE FIRE PROTECTION SYSTEM.

SHOP DRAWING NOTES

PRIOR TO SUBMITTING FIRE PROTECTION SHOP DRAWINGS AND HYDRAULIC CALCULATIONS FOR REVIEW, PLEASE CONFIRM THE FOLLOWING HAVE BEEN COMPLETED

1.	FIRE PROTECTION SHOP DRAWINGS AND THE COVER PAGE FOR EACH SET OF HYDRAULIC CALCULATIONS ARE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF ALABAMA.
2.	ALL NODE POINTS IDENTIFIED IN THE HYDRAULIC CALCULATIONS APPEAR ON THE SHOP DRAWINGS AND THAT THE NOMENCLATURE BETWEEN THE TWO SETS OF DOCUMENTS MATCHES.
3.	SHOP DRAWINGS SHALL BE NEAT, ORDERLY AND CLEARLY LEGIBLE. NODE POINTS, PIPE SIZES, LENGTHS AND OTHER PERTINENT INFORMATION SHOULD NOT OVERLAP ARCHITECTURAL ELEMENTS, OTHER TEXT OR GRAPHICAL ELEMENTS SO THEY BECOME DIFFICULT TO READ WHEN PLOTTED.
4.	WHEN MULTIPLE NODE POINTS ARE LOCATED IN VERY CLOSE PROXIMITY TO ONE ANOTHER WITH IN THE PIPING SYSTEM, THAT LEADER LINES ARE USED TO IDENTIFY WHERE THE NODE POINT IS INTENDED TO BE APPLIED.
5.	REMOTE AREAS SHALL BE CLEARLY OUTLINED AND IDENTIFIED ON THE FIRE PROTECTION SHOP DRAWINGS AND THE NOMENCLATURE MATCHES THE HYDRAULIC CALCULATIONS.
6.	PIPE SCHEDULE, SPRINKLER HEAD K-FACTORS IDENTIFIED IN THE HYDRAULIC CALCULATIONS MATCHES THE INFORMATION CONTAINED IN THE FIRE PROTECTION SUBMITTALS.

HYDRAULIC DESIGN CRITERIA

1.	SYSTEM DESIGN AND HYDRAULIC CALCULATIONS ARE A DELEGATED DESIGN.
2.	THE DESIGN SHALL BE BASED ON AREA AND DENSITY USING THE CRITERIA BELOW AND IN ACCORDANCE WITH THE CURRENT VERSION OF THE LOCALLY ADOPTED EDITION OF NFPA 13.
LIGHT HAZARD: 0.10 GPM/SQ.FT OVER THE HYDRAULICALLY MOST REMOTE 1,500 SQ.FT. HOSE STREAM: 100 GPM	
OFFICES, CONFERENCE ROOMS, HOLDING CELLS, EDUCATIONAL AREAS, DINING AREAS, GANG TOILET ROOMS, SINGLE OCCUPANT TOILET ROOMS OVER 50 SQ.FT, LOBBIES, VESTIBULES AND CORRIDORS.	
ORDINARY HAZARD - GROUP 1: 0.15 GPM/SQ.FT OVER THE HYDRAULICALLY MOST REMOTE 1,500 SQ.FT. HOSE STREAM: 250 GPM	
KITCHENS, MECHANICAL EQUIPMENT ROOMS, JANITORIAL CLOSETS, TRANSFORMER ROOMS, ELECTRICAL SWITCHGEAR ROOMS, ELECTRICAL CLOSETS, ELEVATOR HOIST WAYS, AND STORAGE SPACES UP TO 250 SQ.FT	
ORDINARY HAZARD - GROUP 2: 0.20 GPM/SQ.FT OVER THE HYDRAULICALLY MOST REMOTE 1,500 SQ.FT. HOSE STREAM: 250 GPM	
LAUNDRY AND STORAGE ROOMS OVER 250 SQ.FT.	
3.	ADD HOSE ALLOWANCE TO THE HYDRAULIC REQUIREMENTS.
4.	THE HYDRAULIC CALCULATIONS SHALL INCLUDE NOT LESS THAN A 10 PERCENT SAFETY FACTOR BELOW THE SYSTEM CURVE.
5.	IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE AN UP-TO-DATE FLOW TEST WITH THE LOCAL AUTHORITIES HAVING JURISDICTION AND PROVIDE FOR ANY COSTS INCURRED.

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FIRE PROTECTION LEGEND, SCHEDULES, DETAILS AND NOTES

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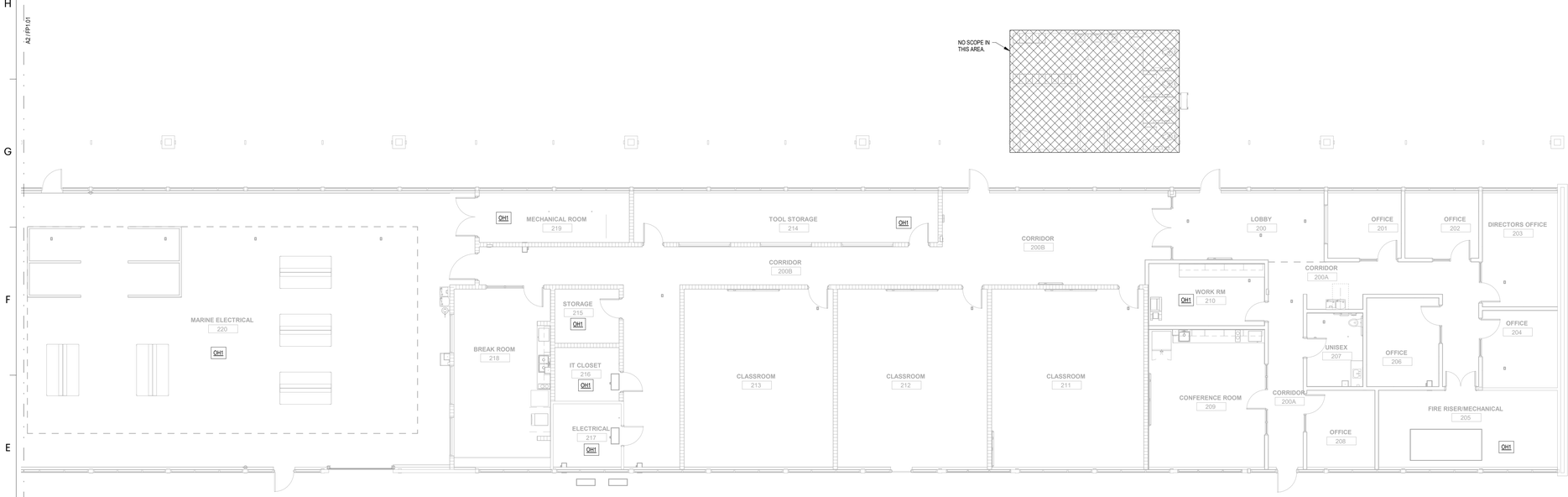
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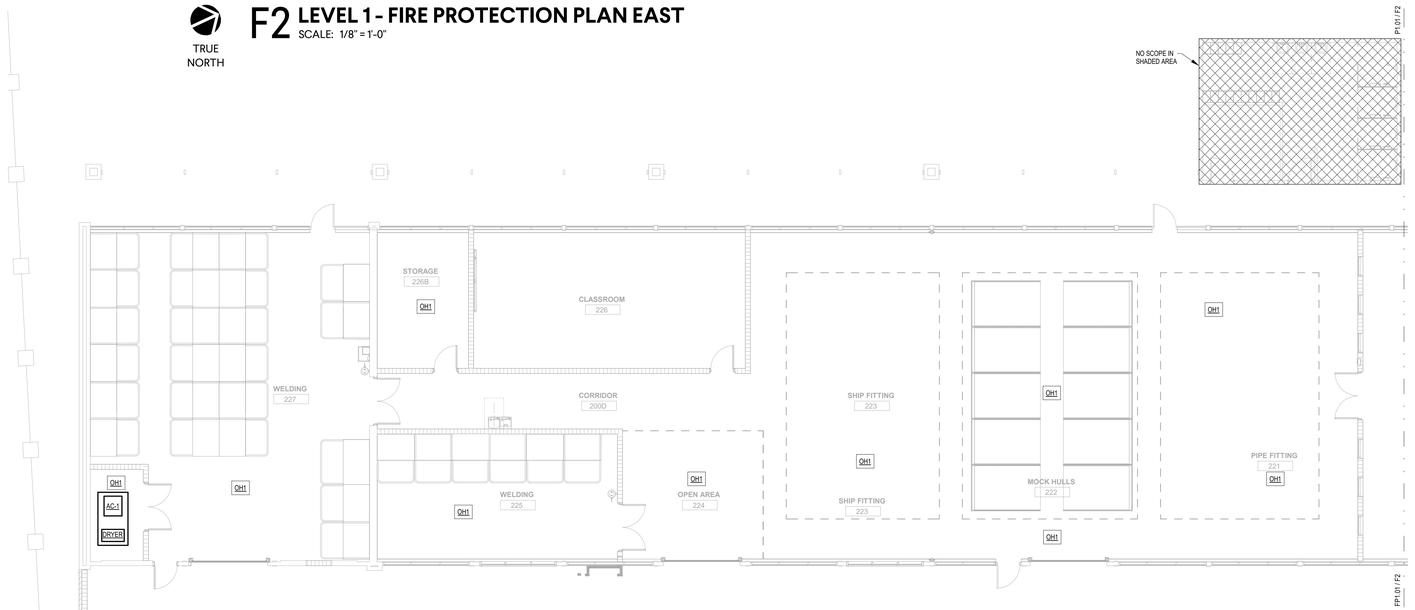
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F2 LEVEL 1 - FIRE PROTECTION PLAN EAST
SCALE: 1/8" = 1'-0"
TRUE NORTH



A2 LEVEL 1 - FIRE PROTECTION PLAN WEST
SCALE: 1/8" = 1'-0"
TRUE NORTH

HAZARD CLASSIFICATION NOTES

ALL ROOMS AND AREAS SHALL BE CONSIDERED LIGHT HAZARD (0.10 GPM/SQ.FT). UNLESS NOTED OTHERWISE ON THE PLANS. FOR AREAS WITH A HIGHER HAZARD CLASSIFICATION, PROVIDE COVERAGE AS INDICATED BELOW.

QH1 ORDINARY HAZARD - GROUP 1: PROVIDE 0.15 GPM/SQ.FT COVERAGE OVER THE HYDRAULICALLY MOST REMOTE 1,500 SQ.FT.
HOSE STREAM: 250 GPM

QH2 ORDINARY HAZARD - GROUP 2: PROVIDE 0.20 GPM/SQ.FT COVERAGE OVER THE HYDRAULICALLY MOST REMOTE 1,500 SQ.FT.
HOSE STREAM: 250 GPM

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FIRE PROTECTION PLANS

FP1.01

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GENERAL ELECTRICAL LEGEND

NORMAL EMERGENCY

FIXTURE OUTLET – SURFACE OR PENDANT MOUNTED LIGHT FIXTURE.

FIXTURE OUTLET – RECESSED LIGHT FIXTURE.

FIXTURE OUTLET – LINEAR – SURFACE OR PENDANT MOUNTED LIGHT FIXTURE.

FIXTURE OUTLET – LINEAR – RECESSED LIGHT FIXTURE.

FIXTURE OUTLET – WALL MOUNTED LIGHT FIXTURE.

FIXTURE OUTLET – EXIT SIGN – CEILING OR WALL MOUNTED AS INDICATED – QUANTITY AND ORIENTATION OF FACES AND DIRECTIONAL ARROWS AS INDICATED.

FIXTURE OUTLET DESIGNATIONS:

- A FIXTURE TYPE "A" – MAY BE USED WITH OTHER TYPES.
- b SWITCH LEG TO WHICH FIXTURE IS CONNECTED – MAY BE USED WITH OTHER LOWER-CASE LETTERS.
- 2 CIRCUIT NUMBER – MAY BE USED WITH OTHER NUMBERS.
- NL NIGHT LIGHT – DO NOT SWITCH.

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

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

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

SWITCH OUTLET – CONTROLS OUTLET "a", ETC.

LIGHTING CONTROL SYSTEM – SWITCH OUTLET – LOW VOLTAGE – DIGITAL – BUTTONS AS REQUIRED FOR INDEPENDENT ON/OFF CONTROL OF EACH ZONE IN SPACE – CONNECT TO ASSOCIATED ROOM CONTROLLER PER DIAGRAM "E–RC".

LIGHTING CONTROL SYSTEM – SWITCH OUTLET – LOW VOLTAGE – DIGITAL – BUTTONS AS REQUIRED FOR INDEPENDENT DIMMING AND ON/OFF CONTROL OF EACH ZONE IN SPACE – CONNECT TO ASSOCIATED ROOM CONTROLLER PER DIAGRAM "E–RC".

LIGHTING CONTROL SYSTEM – SWITCH OUTLET – DIGITAL LOW–VOLTAGE – SWITCH TO OPERATE RELAY(S) IN LIGHTING CONTROL PANEL (AS INDICATED WITHIN LIGHTING CONTROL PANEL SCHEDULES) PROVIDE NUMBER OF BUTTONS AS REQUIRED – ASTERISK "*" INDICATES SWITCH IDENTIFIER – WITH BI–COLOR PILOT LIGHT STATUS LED'S AND MECHANICALLY–PRINTED LABELING FOR EACH BUTTON – GREY WITH STAINLESS STEEL COVERPLATE.

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

SWITCH OUTLET – MANUAL MOTOR STARTER – TOGGLE TYPE – 2 POLE – SQUARE "D" TYPE KO1 WITH ENCLOSURE AS REQUIRED BY APPLICATION – PROVIDE LOCK–OFF HARDWARE.

SWITCH OUTLET – MANUAL MOTOR STARTER – TOGGLE TYPE – 3 POLE – SQUARE "D" TYPE KO2 WITH ENCLOSURE AS REQUIRED BY APPLICATION – PROVIDE LOCK–OFF HARDWARE.

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

SIGNAGE OULET – WALL–MOUNTED IN CONCEALED LOCATION – CONTRACTOR SHALL PROVIDE ALL MATERIAL AND LABOR FOR A FULLY–FUNCTIONAL SIGNAGE SYSTEM COMPLETE WITH LOCAL DISCONNECTS AND OTHER PROVISIONS PER N.E.C. ARTICLE 600 REQUIREMENTS. EXACT CIRCUIT QUANTITIES, VOLTAGES AND LOCATIONS SHALL BE COORDINATED BY THE CONTRACTOR WITH THE SIGNAGE SUPPLIER PRIOR TO ROUGH–IN.

LIGHTING CONTROL PANEL.

LIGHTING CONTROL SYSTEM – OCCUPANCY SENSOR – CEILING OR WALL MOUNTED AS INDICATED – EXACT MOUNTING PROVISIONS, SENSOR TYPE AND LOCATION SHALL BE AS DIRECTED BY SUPPLIER FOR PROPER COVERAGE – DIGITAL – DUAL TECHNOLOGY (P.I.R. AND ULTRASONIC) – WATTSTOPPER LMDC–100 (CENTER OF CEILING MOUNT) OR LMDX–100 (WALL OR CEILING CORNER MOUNT) – CONNECT TO ASSOCIATED ROOM CONTROLLER PER DIAGRAM "E–RC".

LIGHTING CONTROL SYSTEM – OCCUPANCY SENSOR – CEILING–MOUNTED – EXACT MOUNTING PROVISIONS, SENSOR TYPE AND LOCATION SHALL BE AS DIRECTED BY SUPPLIER FOR PROPER COVERAGE – DIGITAL – ULTRASONIC (OR SIMILAR) – WATTSTOPPER LMUC–100 – CONNECT TO ASSOCIATED ROOM CONTROLLER PER DIAGRAM "E–RC".

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

LIGHTING CONTROL SYSTEM – DIMMING ROOM CONTROLLER(S) – LOW VOLTAGE – WATTSTOPPER LMRC–212 – MOUNT AS DIRECTED BY SUPPLIER ABOVE ACCESSIBLE CEILING – PROVIDE ALL INTERCONNECTIONS (LOW VOLTAGE AND LINE VOLTAGE) TO SENSORS, CONTROL SWITCHES, LIGHT FIXTURES, ETC. TO CONTROL LOCAL LIGHTING AS DIRECTED BY SUPPLIER – SEE DETAIL "E–RC".

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

LIGHTING CONTROL SYSTEM – NETWORKED DIMMING ROOM CONTROLLER(S) – LOW VOLTAGE – WATTSTOPPER LMRC–212 – MOUNT AS DIRECTED BY SUPPLIER ABOVE ACCESSIBLE CEILING – PROVIDE ALL INTERCONNECTIONS (LOW VOLTAGE AND LINE VOLTAGE) TO SENSORS, CONTROL SWITCHES, LIGHT FIXTURES, ETC. TO CONTROL LOCAL LIGHTING AND TO NETWORK TO CENTRAL LIGHTING CONTROL SYSTEM AS DIRECTED BY SUPPLIER – SEE DETAIL "E–RC".

DUPLEX — DOUBLE DUPLEX

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

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

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

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

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

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

MULTISERVICE FLOOR BOX – SEE DETAIL "E–FB1" – "•V•D" REPRESENTS REQUIRED COMMUNICATIONS JACK CONFIGURATION – PROVIDE COMMUNICATIONS JACKS, CABLING ETC. PER COMMUNICATION OUTLET LEGEND AT "E–CO".

COMMUNICATIONS OUTLET – SEE DETAIL "E–CO" – "•V•D REPRESENTS REQUIRED COMMUNICATIONS JACK CONFIGURATIONS. STUB–OUT CONDUIT(S) AT CABLE TRAY – SEE GENERAL ELECTRICAL NOTE 12.

WIRELESS ACCESS POINT – ABOVE CEILING OR AT EXPOSED OVERHEAD STRUCTURE – PROVIDE OUTLET BOX ABOVE ACCESSIBLE CEILING OR AT EXPOSED OVERHEAD STRUCTURE WITH 1"C TO CABLE TRAY FOR OWNER–PROVIDED DATA SYSTEM WIRELESS ACCESS POINT – WITH DATA CABLE(S) (AS INDICATED BY "•D" DESIGNATION PER COMMUNICATIONS OUTLET LEGEND AT DETAIL "E–CO") TO RACK WITHIN NEAREST TELECOMM EQUIPMENT ROOM – TERMINATE CABLE AT PATCH PANEL WITHIN EQUIPMENT ROOM AND LEAVE 10'–0" SLACK CABLE NEATLY COILED ABOVE CEILING AT LOCATION OF ACCESS POINT.

TELEPHONE BACKBOARD – 8' H x 3/4" THICK x LENGTH AS SHOWN ON PLANS – COMPLETE WITH NO. 6 GROUND WIRE IN 1/2 INCH CONDUIT TO FACILITY GROUND SYSTEM AND TO 12" W x 1/4" THICK GROUND BUS WITH ISOLATED MOUNTING BOLTS – FINISH WITH TWO (2) COATS FIRE–RETARDANT ENAMEL PAINT – PAINT COLOR TO MATCH SURROUNDING WALLS.

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

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

OUTLET INSTALLATION DESIGNATIONS (APPLY TO ALL OUTLETS, DEVICES & EQUIPMENT):

- A ABOVE COUNTER – OUTLET SHALL BE MOUNTED 6 INCHES ABOVE DESK/COUNTERTOP, OR 4 INCHES ABOVE COUNTERTOP BACKSPLASH AS REQUIRED BY CONDITION, OR 48" A.F.F. OR AS NOTED. ALL OUTLETS MOUNTED ABOVE COUNTER SHALL BE INSTALLED IN A HORIZONTAL ORIENTATION.
- C OUTLET MOUNTED FLUSH WITHIN CEILING – VERIFY EXACT LOCATIONS PRIOR TO ROUGH–IN.
- CP OUTLET MOUNTED TO CORD PENDANT – APPLETON FS/FD CAST BOX (AT STRUCTURE ABOVE AND AT OUTLET BOX) WITH APPLETON #CG STRAIN RELIEF CORD CONNECTOR AT EACH END OF HEAVY–DUTY "SOOW" CORD PENDANT – MOUNT RECEPTACLE AT 30" A.F.F. AND PROVIDE WITH 24" SERVICE LOOP AT RECEPTACLE END.
- CPR OUTLET MOUNTED TO INDUSTRIAL CORD REEL – PROVIDE HUBBELL HBL45123R220 INDUSTRIAL CORD REEL (AT STRUCTURE ABOVE) WITH 12/3 SJO PENDANT CABLE (45' MINIMMUM) TO OUTLET BOX (AT END OF CABLE) WITH RECEPTACLE TYPE (GFCI, ETC.) AS INDICATED ON PLANS.
- CW INSTALL OUTLET WITHIN CASEWORK AND ROUTE CIRCUITRY (IN CONDUIT) WITHIN CASEWORK AS DIRECTED BY CASEWORK PROVIDER.
- VL VERIFY EXACT OUTLET LOCATION WITH OWNER PRIOR TO ROUGH–IN.
- W WEATHER PROOF – OUTLET SHALL BE INSTALLED WITH WEATHERPROOF, IN–USE, CAST COVER.
- WG WIREGUARD – EQUIPMENT AND DEVICES SHALL BE PROVIDED WITH FACTORY FURNISHED WIREGUARD.

EQUIPMENT OUTLET DESIGNATIONS (APPLY TO ALL OUTLETS, DEVICES & EQUIPMENT):

- DF DRINKING FOUNTAIN OUTLET – EXACT MOUNTING HEIGHT AS DIRECTED BY EQUIPMENT SUPPLIER.
- DW BELOW COUNTER DISHWASHER OUTLET – VERIFY EXACT LOCATION AND REQUIREMENTS WITH EQUIPMENT SUPPLIER.
- MW MICROWAVE (OR COMBINATION MICROWAVE/VENTILATION HOOD) OUTLET – VERIFY EXACT LOCATION WITH ARCHITECTURAL ELEVATION PRIOR TO ROUGH–IN.
- TV TELEVISION OUTLET – MOUNTING HEIGHT AS DIRECTED BY ARCHITECT.

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

WALL OUTLET – JUNCTION BOX – FLUSH MOUNTED.

CEILING OUTLET – JUNCTION BOX.

BRANCH/FEEDER CIRCUIT – CONCEALED IN WALLS OR CEILING.

BRANCH/FEEDER CIRCUIT – EXPOSED ON WALLS OR CEILING.

BRANCH/FEEDER CIRCUIT – CONCEALED IN FLOOR SLAB OR DIRT FILL.

BRANCH/FEEDER CIRCUIT – OVERHEAD BETWEEN POLES.

BRANCH/FEEDER CIRCUIT – HOMERUN – CAN BE USED WITH OTHER BRANCH/FEEDER TYPES.

BRANCH/FEEDER CIRCUIT MODIFIERS:

- : 2#12 & 1#12G UNLESS NOTED OTHERWISE.
- : 3#12 & 1#12G, ETC. UNLESS NOTED OTHERWISE (TICK MARKS INDICATE CONDUCTOR QUANTITY NOT INCLUDING GROUND WIRE).
- 10 : 2#10 & 1#10G UNLESS NOTED OTHERWISE (NUMBER INDICATES WIRE AWG).

SIZE CONDUIT PER N.E.C. UNLESS INDICATED OTHERWISE.

UNDERGROUND TELECOMMUNICATIONS & CATV SERVICE(S) – TWO (2) 4"E.C. UNLESS INDICATED OTHERWISE TO POINT(S) AS DIRECTED BY SERVICE PROVIDERS – WHERE SO REQUIRED BY SERVICE PROVIDER, PROVIDE PULLBOXES (QUANTITIES, LOCATION, TYPE & INSTALLATION) AS PER SERVICE PROVIDER REQUIREMENTS – COORDINATE LOCATION(S) & EXACT REQUIREMENTS WITH SERVICE PROVIDER PRIOR TO BID AND INCLUDE ALL COSTS IN BID.

OHP — OVERHEAD PRIMARY POWER SERVICE CABLING (WITH TELECOMMUNICATIONS CABLING WHERE APPLICABLE).

OHS — OVERHEAD SECONDARY POWER SERVICE CABLING (WITH TELECOMMUNICATIONS CABLING WHERE APPLICABLE).

POWER/TELECOMMUNICATIONS POLE WITH GUYING AS REQUIRED.

FLEXIBLE CONNECTION TO EQUIPMENT.

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

CABLE TRAY – 12 INCH WIDE ALUMINUM LADDER TRAY WITH 9 INCH RUNG SPACING AND 4 INCH DEPTH UNLESS NOTED OTHERWISE – SUPPORTED PER MANUFACTURER'S RECOMMENDATIONS.

CONDUIT – SIZE AND QUANTITY AS NOTED ON THE PLANS – STUBBED OUT AT CABLE TRAY OR ABOVE ACCESSIBLE CEILING – WITH PLASTIC BUSHING ON ENDS.

POWER DISTRIBUTION EQUIPMENT.

LIGHTING PANEL – SURFACE MOUNTED.

LIGHTING PANEL – FLUSH MOUNTED.

PLUG–IN BUSWAY.

TRANSFORMER – POWER.

T — TRANSFORMER – LOW VOLTAGE – INSTALLED ABOVE ACCESSIBLE CEILING.

MOTOR STARTER.

VFD — VARIABLE FREQUENCY DRIVE.

DISCONNECT SWITCH – NONFUSED.

DISCONNECT SWITCH – FUSED.

BUS PLUG – FUSIBLE.

CIRCUIT BREAKER.

GROUND CONNECTION.

M — MOTOR OUTLET – SIZE AS SHOWN.

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

CDP — CONDENSATE PUMP – 120V–1ø – PROVIDE WITH LOCAL TOGGLE–TYPE MANUAL MOTOR STARTER DISCONNECT SWITCH.

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

FACP — FIRE ALARM – EXISTING CONTROL PANEL – EST EST3X.

FIRE ALARM – PULL STATION.

SM — FIRE ALARM – SMOKE DETECTOR.

H — FIRE ALARM – HEAT DETECTOR.

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

DSM — FIRE ALARM – SMOKE DETECTOR – DUCT MOUNTED – LOCATE AS DIRECTED BY MECHANICAL – FURNISH CONTROL RELAY COMPATIBLE WITH FIRE ALARM SYSTEM FOR FAN SHUT DOWN – FURNISH TEST/ALARM INDICATOR STATION(S) LOCATED IN ACCESSIBLE, INCONSPICUOUS LOCATION AS APPROVED BY AUTHORITY HAVING JURISDICTION.

FS — FIRE ALARM – FLOW SWITCH – VERIFY EXACT QUANTITIES AND LOCATIONS PRIOR TO ROUGH–IN.

TS — FIRE ALARM – TAMPER SWITCH – VERIFY EXACT QUANTITIES AND LOCATIONS PRIOR TO ROUGH–IN.

FR — FIRE ALARM – ADDRESSABLE CONTROL RELAY – FUNCTION AS INDICATED ON THE PLANS – PROVIDE INTERLOCK WIRING REQUIRED IN 3/4"C TO ASSOCIATED EQUIPMENT.

HVLS FR — FIRE ALARM – ADDRESSABLE CONTROL RELAY(S) – FOR SHUTDOWN OF HIGH VOLUME LOW SPEED FAN – PROVIDE INTERLOCK WIRING TO FAN AS REQUIRED IN 3/4"C – FAN SHALL SHUTDOWN UPON ACTIVATION OF THE SPRINKLER SYSTEM.

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

FIRE ALARM – COMBINATION SPEAKER AND VISUAL INDICATOR – CEILING OR WALL MOUNTED AS INDICATED – SPEAKER SHALL BE TAPPED FOR 2 WATT CONNECTION.

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

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

M — FIRE ALARM – REMOTE MICROPHONE – WITHIN CONTROL PANEL OR WITHIN FLUSH MOUNTED ANNUNCIATOR PANEL AS SHOWN ON THE PLANS.

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

1D 1V 1C OR — CCTV SURVEILLANCE SYSTEM – CEILING OR WALL–MOUNT AS INDICATED – PROVIDE 1"C TO CABLE TRAY AND ONE (1) CAT6 CABLE TO LOCAL NVR/DVR – MOUNT TO CEILING OR APPROXIMATELY 12" BELOW CEILING/OVERHEAD STRUCTURE UNLESS NOTED OTHERWISE AS DIRECTED BY CCTV SYSTEM SUPPLIER FOR OPTIMAL COVERAGE OF APPLICABLE AREA.

AC — ACCESS CONTROLLED DOOR – SEE DETAIL "E–AC" FOR REQUIRED SCOPE OF WORK AT EACH ACCESS CONTROLLED DOOR – VERIFY ALL REQUIREMENTS WITH ACCESS CONTROL SYSTEM VENDOR PRIOR TO ROUGH–IN.

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

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

A / E–1 — DETAIL DESIGNATOR – "A" INDICATED DETAIL MARK – "E–1" INDICATED SHEET NUMBER WHERE DETAIL IS LOCATED (TYPICAL).

GENERAL ABBREVIATIONS:

- EX EXISTING TO REMAIN.
- EX–R EXISTING TO BE REMOVED – REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, DEVICES, CONDUIT AND WIRING CONNECTIONS TO OTHER ELECTRICAL ITEMS UNLESS SHOWN OTHERWISE.
- EX–RL EXISTING TO BE RELOCATED – REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, DEVICES, CONDUIT AND WIRING AT EXISTING LOCATION. RELOCATE ITEM TO NEW LOCATION SHOWN ON ELECTRICAL PLANS. EXTEND AND RECONNECT EXISTING CONDUIT, WIRING, ETC. TO NEW LOCATION AS REQUIRED UNLESS SHOWN OTHERWISE.
- EX–RP EXISTING TO BE REPLACED – EXTEND AND RECONNECT EXISTING CONDUIT AND WIRING TO REPLACED ITEM.

ELECTRICAL ABBREVIATIONS:

A	AMPERES.	NSV	NEW, SPARE OR VACATED.
AIC	AMPERES INTERRUPTING CAPACITY.	OC	ON CENTER.
AFF	ABOVE FINISHED FLOOR.	P	POLES.
AL	ALUMINUM.	PF	POWER FACTOR.
ATS	AUTOMATIC TRANSFER SWITCH.	ø	PHASE.
AWG	AMERICAN WIRE GAUGE.	PVC	POLYVINYL CHLORIDE.
C	CONDUIT.		
CU	COPPER.	SLD	SINGLE LINE DIAGRAM.
EC	EMPTY CONDUIT, OR ELECTRICAL CONTRACTOR	SS	STAINLESS STEEL.
		UL	UNDERWRITERS LABORATORY.
FPN	FUSE PER NAMEPLATE.	UNO	UNLESS NOTED OTHERWISE.
G	GROUND CONDUCTOR.	V	VOLTS.
KVA	KILOVOLT–AMPERES.	W	WIRES.
KW	KILOWATT.		
LV	LOW VOLTAGE.	CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED.
MCM	THOUSAND CIRCULAR MILS.		
MV	MEDIUM VOLTAGE.	CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED.
N	NEUTRAL.		
NEC	NATIONAL ELECTRICAL CODE.	OFOI	OWNER FURNISHED, OWNER INSTALLED.
NEMA	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION.	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED.
NIC	NOT IN CONTRACT.		

TYPICAL CIRCUITRY DESIGNATIONS:

2 SETS OF 4#3/0 & 1#3G – 2 1/2"C

- CONDUIT SIZE.
- GROUND CONDUCTOR WIRE GAUGE.
- QUANTITY OF GROUND CONDUCTORS (PER SET)
- PHASE/NEUTRAL CONDUCTOR WIRE GAUGE.
- QUANTITY OF PHASE/NEUTRAL CONDUCTORS (PER SET).
- QUANTITY OF PARALLEL SETS OF THE PHASE/NEUTRAL CONDUCTORS, GROUND CONDUCTOR AND CONDUIT SPECIFIED.

GENERAL ELECTRICAL NOTES

1. CONTRACTOR SHALL VERIFY ALL REQUIREMENTS FOR POWER SERVICE WITH UTILITY COMPANY PRIOR TO SUBMITTING BID. IF THEIR REQUIREMENTS ARE AT A VARIANCE WITH THOSE SHOWN ON PLANS THE CONTRACTOR SHALL INFORM ARCHITECT IMMEDIATELY. ALL COSTS INCURRED WITH THE UTILITY COMPANY FOR SERVICE SHALL BE INCLUDED IN BID PRICE. IF SUCH COSTS ARE NOT AVAILABLE AT BID TIME CONTRACTOR SHALL INCLUDE WITH BID A LETTER FROM A RESPONSIBLE PARTY WITH THE UTILITY COMPANY STATING SUCH, AND COSTS WILL THEN BE EXCLUDED FROM THE BID PRICE.
2. CONTRACTOR SHALL VERIFY ALL REQUIREMENTS FOR TELECOMMUNICATIONS SERVICE WITH UTILITY COMPANY PRIOR TO SUBMITTING BID. IF THEIR REQUIREMENTS ARE AT A VARIANCE WITH THOSE SHOWN ON PLANS THE CONTRACTOR SHALL INFORM ARCHITECT IMMEDIATELY. ALL COSTS INCURRED WITH THE UTILITY COMPANY FOR SERVICE SHALL BE INCLUDED IN BID PRICE. IF SUCH COSTS ARE NOT AVAILABLE AT BID TIME CONTRACTOR SHALL INCLUDE WITH BID A LETTER FROM A RESPONSIBLE PARTY WITH THE UTILITY COMPANY STATING SUCH, AND COSTS WILL THEN BE EXCLUDED FROM THE BID PRICE.
3. ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH NEC.
4. CONTRACTOR SHALL VISIT THE SITE OF THE WORK PRIOR TO SUBMITTING BID TO EXAMINE CAREFULLY LOCAL CONDITIONS AND DIFFICULTIES TO BE ENCOUNTERED. ANY DISCREPANCY BETWEEN PLANS AND EXISTING CONDITIONS SHALL IMMEDIATELY BE CALLED TO THE ATTENTION OF THE ARCHITECT.
5. THIS CONTRACTOR SHALL VERIFY EXACT REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT FROM MANUFACTURER'S RECOMMENDATIONS PRIOR TO ROUGHING IN CONDUIT OR ORDERING CIRCUIT PROTECTION DEVICES. CONTRACTOR SHALL ADJUST CONDUIT SIZE, WIRE SIZE AND CIRCUIT PROTECTION SIZE ACCORDINGLY. IF REQUIREMENTS ARE LARGER THAN CALLED FOR ON ELECTRICAL PLANS NOTIFY ARCHITECT IMMEDIATELY.
6. THIS CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL AS REQUIRED TO INSPECT THE EXISTING LIGHTNING PROTECTION SYSTEM AND RE–CERTIFY THE SYSTEM. RE–CERTIFICATION OF SYSTEM SHALL INCLUDE NEW U.L. MASTER LABEL. ANY DEFICIENCIES IN THE SYSTEM SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT. ANY REQUIRED REPAIRS TO THE SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS, AND SHALL BE PAID FOR VIA A PROJECT ALLOWANCE. SYSTEM INSPECTION AND RE–CERTIFICATION SHALL BE INCLUDED IN THE BASE BID.
7. THIS SCOPE OF THIS PROJECT INCLUDES THE INSTALLATION OF AN EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM. AS PART OF THE BASE BID THE CONTRACTOR SHALL SURVEY THE NEW BUILDING(S) DURING CONSTRUCTION AS DIRECTED BY THE SYSTEM SUPPLIER TO DETERMINE THE EXACT AREAS OF THE NEW BUILDING(S) THAT REQUIRE AN EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM (IF ANY). IF IT IS DETERMINED THAT AN EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM IS REQUIRED, THEN IT WILL BE INSTALLED IN ACCORDANCE WITH SECTION 287800 OF THE SPECIFICATIONS. THE COST OF THE EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM SHALL BE INCLUDED AS PART OF A PROJECT ALLOWANCE. REFER TO THE SPECIFICATIONS FOR ALL PROJECT ALLOWANCES. REFER TO THE "EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM RISER DIAGRAM" FOR ADDITIONAL INFORMATION.
8. REMOVE ALL EXISTING ELECTRICAL EQUIPMENT AND WIRING MADE OBSOLETE BY THIS RENOVATION AND DISPOSE OF AS DIRECTED BY THE ARCHITECT.
9. EXISTING PANEL DIRECTORY CARDS MODIFIED BY THIS RENOVATION SHALL BE RETYPED TO INDICATE CONNECTED CIRCUITS.
10. THIS CONTRACTOR SHALL FURNISH ALL MATERIALS AND LABOR NECESSARY TO EXTEND CIRCUITS AND MAKE RECONNECTIONS TO ANY ACTIVE ELECTRICAL DEVICES ON WHICH THE BRANCH CIRCUIT IS INTERRUPTED BY THIS ALTERATION. CARE SHALL BE TAKEN TO INSURE THAT EXISTING PANEL AND FEEDER RATINGS ARE NOT EXCEEDED.
11. ALL NEW AND EXISTING ELECTRICAL EQUIPMENT THROUGHOUT THE FACILITY SHALL BE INCLUDED IN THE POWER DISTRIBUTION SYSTEM ELECTRICAL STUDIES. REFER TO SPECIFICATIONS.
12. ALL LOW VOLTAGE CONDUITS (DATA, COMMUNICATIONS, ACCESS CONTROLS, SECURITY, CCTV, ETC.) SHALL STUB OUT AT THE CABLE TRAY (UNLESS SPECIFICALLY NOTED OTHERWISE.
13. OWNER SHALL HAVE THE OPTION TO RETAIN ANY EXISTING MATERIALS FOR ATTIC STOCK, OR FOR RE–USE ON THIS PROJECT. VERIFY WITH THE OWNER PRIOR TO DISPOSING OF ANY MATERIALS.

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ISSUE DATE
IFB SET 10/26/2026

DRAWN BY: KRR
CHECKED BY: RCR

BISHOP STATE COMMUNITY COLLEGE MARITIME TRAINING CENTER RENOVATION
925 DAUPHIN ISLAND PKWY,
MOBILE, AL 36605

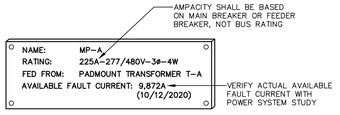
GMC AMOB260006

ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24463
10/26/2026

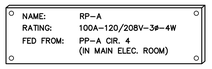
ELECTRICAL LEGEND & NOTES

E0.01

JACKSON, RENFRO & ASSOCIATES, INC
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POWER SERVICE EQUIPMENT

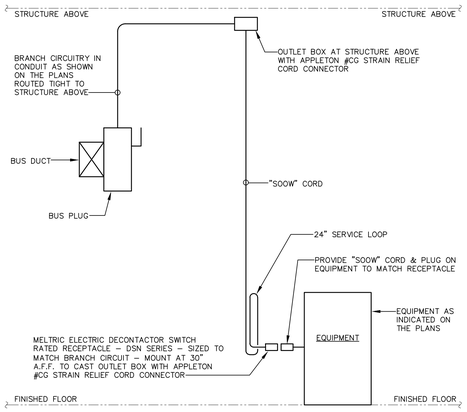


PANELBOARD/EQUIPMENT

DETAIL "E-EDL" ELECTRICAL DISTRIBUTION EQUIPMENT LABEL

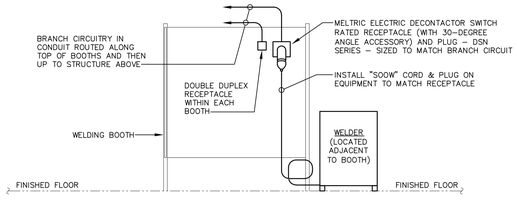
SCALE : NONE

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



TYPICAL EQUIPMENT CONNECTION TO BUS DUCT DETAIL

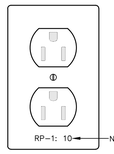
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TYPICAL WELDING BOOTH CONNECTION DETAIL

SCALE : NONE

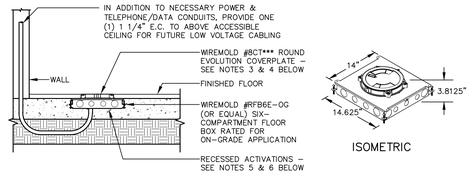
DETAIL NOTES
1. COORDINATE EXACT LAYOUT OF ALL ELECTRICAL DEVICES WITHIN WELDING BOOTHS WITH THE OWNER PRIOR TO ROUGH-IN.



DETAIL "E-RI" RECEPTACLE IDENTIFICATION

SCALE : NONE

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



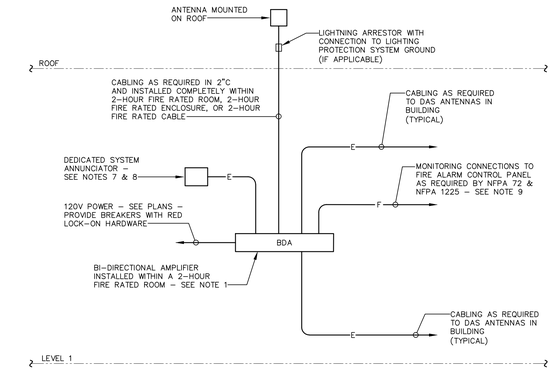
SECTION

ISOMETRIC

DETAIL "E-FB1" MULTI-SERVICE FLOOR BOX (MEDIUM SIZE)

SCALE : NONE

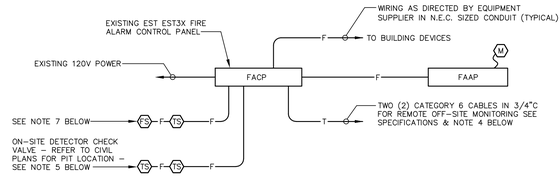
DETAIL NOTES
1. THE EXACT LOCATIONS AND ORIENTATIONS OF ALL FLOOR BOXES SHALL BE VERIFIED BY THE CONTRACTOR WITH THE ARCHITECT PRIOR TO ROUGH-IN.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING PENETRATIONS THROUGH SLABS AND OPENINGS/CONDUITS WITHIN SLABS WITH THE INSTALLER OF THE SLABS PRIOR TO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



EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM RISER DIAGRAM

SCALE : NONE

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



FIRE ALARM SYSTEM RISER DIAGRAM

SCALE : NONE

FIRE ALARM SYSTEM NOTES
1. ALL FIRE ALARM WIRING SHALL BE RUN IN CONDUIT. NO EXCEPTIONS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COST INVOLVED WITH OBTAINING A SEPARATE PERMIT AS REQUIRED BY LOCAL AUTHORITIES FOR INSTALLATION OF THE FIRE ALARM SYSTEM.
3. FIRE ALARM EQUIPMENT SUPPLIER SHALL PROVIDE A COMPLETE SET OF FIRE ALARM EQUIPMENT SHOP DRAWINGS TO LOCAL FIRE MARSHALL FOR HIS APPROVAL.
4. COORDINATE WITH OWNER IN REGARD TO ACQUISITION OF DEDICATED PHONE LINES FROM UTILITY OR REQUIREMENTS FOR OTHER OFF-SITE MONITORING COMMUNICATION TECHNOLOGY. EXACT/ADDITIONAL COMMUNICATION TECHNOLOGY SHALL BE AS REQUIRED BY APPLICABLE CODE AND AHJ. OFF-SITE MONITORING SERVICE SHALL BE IN OPERATION PRIOR TO ACCEPTANCE TEST.
5. PROVIDE SURGE PROTECTION DEVICES ON EACH END OF ALL COPPER FIRE ALARM CIRCUITS WITH ANY PORTION LOCATED OUTSIDE OF BUILDINGS.
6. INSTALL DUCT MOUNTED SMOKE DETECTOR(S) AND CONTROL RELAY AT EACH MECHANICAL UNIT AND AT FIRE/SMOKE DAMPERS WHERE REQUIRED FOR UNIT SHUTDOWN. COORDINATE ALL WORK REQUIRED WITH MECHANICAL. CONTRACTOR SHALL REVIEW MECHANICAL PLANS TO CONFIRM UNIT LOCATIONS AND THAT QUANTITY OF REQUIRED DUCT DETECTORS AND CONTROL RELAYS MATCH THOSE SHOWN ON ELECTRICAL PLANS.
7. THIS CONTRACTOR SHALL VERIFY EXACT QUANTITY AND LOCATION OF ALL SPRINKLER SYSTEM FLOW SWITCHES AND TAMPER SWITCHES FROM FIRE PROTECTION SYSTEM PLANS AND SPECIFICATIONS PRIOR TO BID AND FURNISH ALL MATERIAL AND LABOR REQUIRED TO CONNECT EACH AS A SEPARATELY ZONED DEVICE. COORDINATE ALL WORK REQUIRED WITH FIRE PROTECTION SYSTEM SUB-CONTRACTOR.

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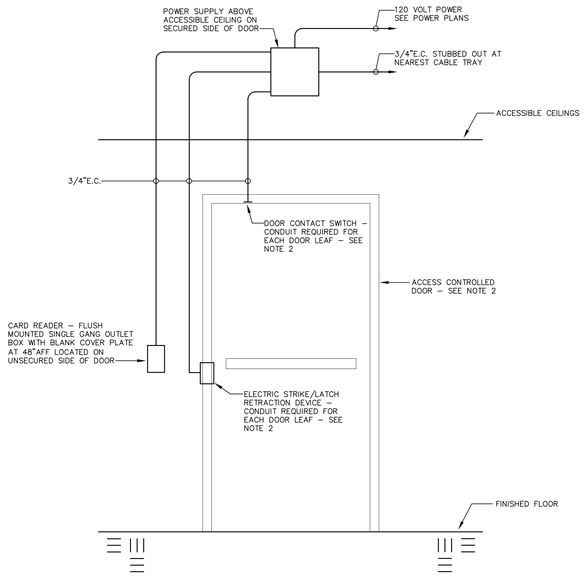
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No. 24401
10/26/2026

ELECTRICAL DETAILS

E0.02

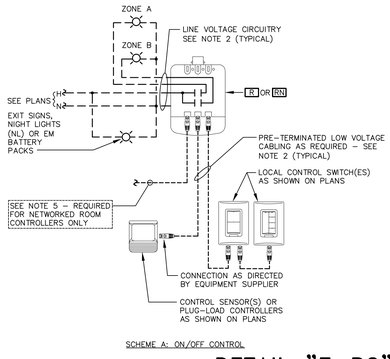
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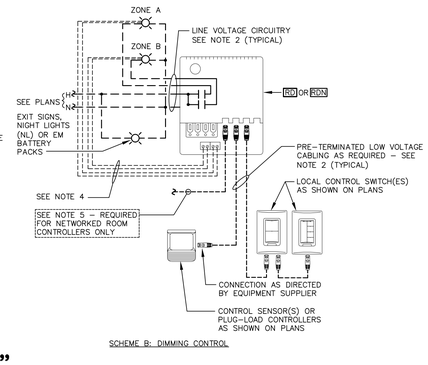
DETAIL "E-AC"
ACCESS CONTROLLED DOOR DIAGRAM

SCALE : NONE

DETAIL NOTES
1. VERIFY ALL ACCESS CONTROL SYSTEM REQUIREMENTS WITH DOOR HARDWARE SUPPLIER PRIOR TO ROUGH-IN.
2. PROVIDE CONDUIT FOR ELECTRIC STRIKE/LATCH RETRACTION DEVICE AND DOOR CONTACT SWITCH ON BOTH DOORS FOR ALL DOUBLE DOORS.



SCHEME A: ON/OFF CONTROL

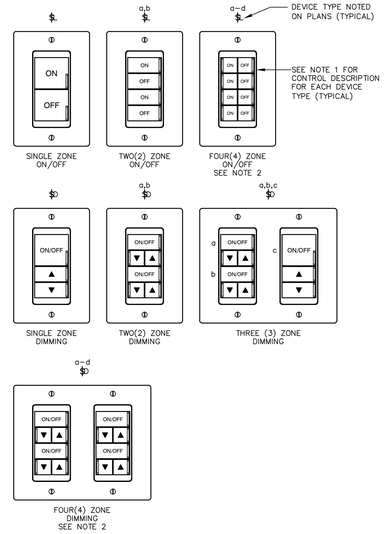


SCHEME B: DIMMING CONTROL

DETAIL "E-RC"
TYPICAL ROOM DIGITAL LIGHTING CONTROL WIRING DIAGRAM(S)

SCALE : NONE

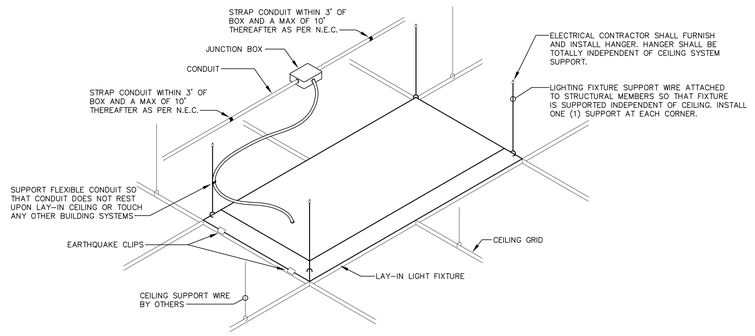
DIAGRAM NOTES
1. DEVICES SHOWN ON THIS DIAGRAM ARE TYPICAL ONLY. EXACT SWITCHING, COMPONENTS, CONNECTIONS, DIMMING TYPE, ETC. WILL VARY. REFER TO PLANS FOR EXACT DEVICES REQUIRED IN EACH SPACE.
2. ALL CIRCUITRY/CABLING SHALL BE CONCEALED. LOW VOLTAGE CABLING MAY BE INSTALLED WITHOUT CONDUIT WHERE ABOVE ACCESSIBLE CEILINGS (IF SUPPORTED EVERY 60" MAXIMUM WITH J-HOOKS). ALL LINE VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT (UNLESS SPECIFICALLY NOTED OTHERWISE) PER SPECIFICATION REQUIREMENTS. FURNISH NUMBER OF ROOM CONTROLLERS/POWER PACKS AS REQUIRED TO ACCOMPLISH INTENT SHOWN ON PLAN.
3. THIS DIAGRAM SHOWS GENERAL WIRING REQUIREMENTS ONLY. CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE CONNECTIONS, LINE VOLTAGE CONNECTIONS, EQUIPMENT, ETC. AS RECOMMENDED BY THE LIGHTING CONTROL SYSTEM PROVIDER AS REQUIRED FOR A FULLY-FUNCTIONAL DIGITAL LIGHTING CONTROL SYSTEM.
4. CONTRACTOR SHALL FURNISH AND INSTALL ALL LOW VOLTAGE CONTROL CABLING OR ADDITIONAL CONDUCTOR(S) FROM 0-10V DIMMING ROOM CONTROLLER(S) TO ALL 0-10V DIMMED LIGHT FIXTURES AS REQUIRED FOR FULL DIMMING CONTROL OF ALL OVERHEAD LIGHTING THROUGHOUT ASSOCIATED SPACE. EXACT CONTROL CABLING WILL VARY DEPENDING ON FIXTURE DIMMING TYPE. MULTI-CONDUCTOR, PLENUM RATED CABLE SHALL BE USED FOR ALL LOW VOLTAGE CABLING.
5. FOR NETWORKED ROOM CONTROLLERS, CONTRACTOR SHALL FURNISH NETWORK CABLING TO ASSOCIATED MASTER LIGHTING CONTROL SYSTEM AS REQUIRED FOR TIME SWEEP-STYLE AUTOMATIC LIGHTING SHUTOFF – PROVIDE ALL ADDITIONAL COMPONENTS SUCH AS NETWORK BRIDGE(S)/GATEWAY(S) AS REQUIRED.
6. WHERE EXHAUST FANS SERVE RESTROOMS AND ARE ON A DIFFERENT CIRCUIT THAN RESTROOM LIGHTING, FURNISH POWER PACK AND ASSOCIATED LOW-VOLTAGE CABLING AS REQUIRED TO CONTROL FAN WITH LIGHTS.



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

SCALE : NONE

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



DETAIL "E-FS"
LAY-IN FIXTURE SUPPORT

SCALE : NONE

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LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	CATALOG NUMBER	VOLTAGE	LAMPS			MOUNTING HEIGHT	MOUNTING TYPE	REMARKS
				WATTS	LUMENS	TYPE			
A4	LITHONIA COLUMBIA DAY-BRITE	CPX-2X4-5000LM-80CRI-35K-SWL	120/277	40	5,069	LED 3500K	CEILING	RECESSED LAY-IN	
A4E	LITHONIA COLUMBIA DAY-BRITE	CPX-2X4-5000LM-80CRI-35K-SWL-E10W	120/277	40	5,069	LED 3500K	CEILING	RECESSED LAY-IN	EM14
A6	LITHONIA COLUMBIA DAY-BRITE	CPX-2X4-6000LM-80CRI-35K-SWL MIN1-EZT	120/277	42	5,983	LED 3500K	CEILING	RECESSED LAY-IN	DIM010
A6E	LITHONIA COLUMBIA DAY-BRITE	CPX-2X4-5000LM-80CRI-35K-SWL-MIN1-EZT-E10W	120/277	42	5,983	LED 3500K	CEILING	RECESSED LAY-IN	DIM010, EM14
B	LITHONIA COLUMBIA DAY-BRITE	ZL1D-L48-3000LM-FST	120/277	30	3966	LED 3500K	CEILING OR 9'-0" A.F.F.	SURFACE OR PENDANT	
BE	LITHONIA COLUMBIA DAY-BRITE	ZL1D-L48-3000LM-FST-E10WLCP	120/277	30	3966	LED 3500K	CEILING OR 9'-0" A.F.F.	SURFACE OR PENDANT	EM14
C	LITHONIA COLUMBIA DAY-BRITE	CLX-L48-10000LM-SEF-LLENS-EZ1-35K-80CRI-LUGR-WGCLX48	120/277	71	10,000	LED 3500K	12'-0" A.F.F.	PENDANT	
CE	LITHONIA COLUMBIA DAY-BRITE	CLX-L48-10000LM-SEF-LLENS-EZ1-35K-80CRI-LUGR-WGCLX48-E10WLCP	120/277	71	10,000	LED 3500K	12'-0" A.F.F.	PENDANT	EM14
D	GOTHAM PRESCOLITE LIGHTOLIER	IVO6-D-15-40K-80CRI-MD-RM (REMODEL TYPE FIXTURE)	120/277	15	1524	LED 4000K	CEILING	RECESSED	FSA
DE	GOTHAM PRESCOLITE LIGHTOLIER	IVO6-D-15-40K-80CRI-MD-E10W-RM (REMODEL TYPE FIXTURE)	120/277	15	1524	LED 4000K	CEILING	RECESSED	EM14, FSA
E	LITHONIA COLUMBIA DAY-BRITE	CPX-2X4-4000LM-80CRI-35K-SWL	120/277	37	4,818	LED 3500K	CEILING	RECESSED LAY-IN	
EE	LITHONIA COLUMBIA DAY-BRITE	CPX-2X4-4000LM-80CRI-35K-SWL-E10W	120/277	37	4,818	LED 3500K	CEILING	RECESSED LAY-IN	EM14
FE	LITHONIA COLUMBIA DAY-BRITE	WST LED-P2-40K-VW-MVOLT-E7WH-DNAXD	120/277	25	3,512	LED 4000K	ABOVE DOOR	OUTLET BOX	EM14, FSA
G	LITHONIA COLUMBIA DAY-BRITE	TWH LED-ALO-40K-T3M-MVOLT-DNA7XD (ADJUSTABLE LIGHT OUTPUT)	120/277	78 (MAX) SET TO 34	8477 (MAX) SET TO 4,030	LED 4000K	ABOVE DOOR	OUTLET BOX	FSA
X1	LITHONIA COLUMBIA DAY-BRITE	LE-S-1-G-ELN (WITH DIRECTIONAL ARROWS AS SHOWN ON THE PLANS)	120/277	3	N/A	LED	CEILING OR AB. DOOR	OUTLET BOX	EMX
X2	LITHONIA COLUMBIA DAY-BRITE	LE-S-2-G-ELN (WITH DIRECTIONAL ARROWS AS SHOWN ON THE PLANS)	120/277	3	N/A	LED	CEILING OR AB. DOOR	OUTLET BOX	EMX

LIGHTING FIXTURE SCHEDULE GENERAL NOTES:

1. CONTRACTOR SHALL COORDINATE ALL FIXTURE MOUNTING PROVISIONS WITH THE ASSOCIATED CEILING TYPE(S) PRIOR TO ORDERING FIXTURES.
2. ALL FIXTURES AND DRIVERS SHALL BE RATED FOR OPERATION IN AMBIENT TEMPERATURES UP TO 55 DEGREES CELSIUS.
3. TO ENSURE PROPER COORDINATION AND LONG TERM SUPPORT FOR THE OWNER, ALL LIGHTING FIXTURES SHALL BE PURCHASED THROUGH MANUFACTURER'S REPRESENTATIVES AND DISTRIBUTORS LOCATED WITHIN ONE-HUNDRED & FIFTY (150) MILES OF THE PROJECT SITE. SUBMITTALS RECEIVED THAT DO NOT COMPLY WITH THIS REQUIREMENT WILL BE REJECTED WITHOUT REVIEW. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DELAYS CAUSED BY NON-COMPLIANCE WITH THIS REQUIREMENT.

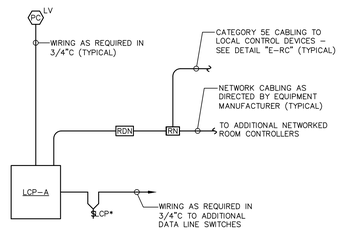
LIGHTING FIXTURE SCHEDULE KEYED NOTES:

DIM010 PROVIDE INTEGRAL 0-10V DIMMING DRIVER AS REQUIRED FOR 1% TO 100% FLICKER-FREE DIMMING CAPABILITY FOR THE DESIGNATED FIXTURE(S). VERIFY THAT THE PROPOSED DIMMING DRIVER IS COMPATIBLE WITH THE ASSOCIATED DIMMER PRIOR TO ORDERING FIXTURE. INSTALL ALL LOW VOLTAGE WIRING AS REQUIRED FROM DIMMER TO FIXTURE(S)

EM14 EMERGENCY FIXTURE. PROVIDE EMERGENCY BATTERY PACK RATED FOR AT LEAST 1400 LUMENS.

EMX EMERGENCY FIXTURE. PROVIDE EMERGENCY BATTERY PACK RATED FOR AT LEAST 90 MINUTES OF OPERATION.

FSA PROVIDE FINISH AS SELECTED BY ARCHITECT.



DETAIL "E-LCP" LIGHTING CONTROL PANEL RISER DIAGRAM

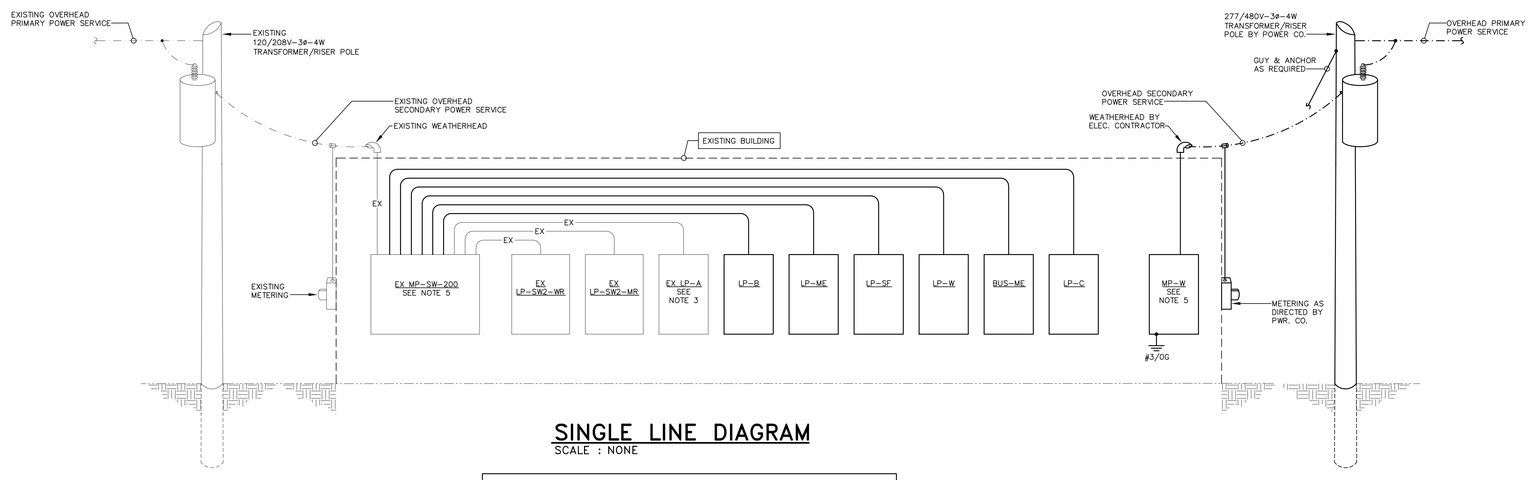
SCALE : NONE

LIGHTING CONTROL PANEL - LCP-A

RELAY MARK	DESCRIPTION	ASSOCIATED PANEL	ASSOC'D CIR. NO.	AUTO ON	AUTO OFF	OVERRIDE 'ON'		OVERRIDE 'OFF'		REMARKS
						L.V. SWITCH(ES)	BUTTON(S)	L.V. SWITCH(ES)	BUTTON(S)	
A 1	EXTERIOR LIGHTS - SECURITY	LP-A	17	DUSK	DAWN	-	-	-	-	
A 2	EXTERIOR LIGHTS	LP-A	18	DUSK	AS PER OWNER	-	-	-	-	
A 3	SPACE									
A 4	SPACE									
A 5	SPACE									
A 6	SPACE									
A 7	SPACE									
A 8	SPACE									

LIGHTING CONTROL PANEL NOTES:

1. LIGHTING CONTROL PANELS SHALL UTILIZE 30A RELAYS/CONTACTORS.
2. ALL PRESET TIMES FOR LIGHTING CONTROLS SHALL BE SET INTO THE LIGHTING CONTROL SYSTEM AS DIRECTED BY THE FACILITY MANAGER.
3. ALL INTERIOR FLOURESCENT/LED CIRCUITS SHALL BE PROGRAMMED TO BLINK OFF TO PROVIDE WARNING TO THE OCCUPANTS 5 MINUTES PRIOR TO AUTO OFF.



SINGLE LINE DIAGRAM

SCALE : NONE

DIAGRAM NOTES

1. REFER TO PANELBOARD SCHEDULES FOR ALL APPLICABLE FEEDER SIZES, BREAKER RATINGS, BUS RATINGS, ETC. NOT SHOWN ON THIS DIAGRAM.
2. NEUTRAL-GROUND BONDS SHALL ONLY BE MADE AT THE FOLLOWING LOCATIONS:
   A. MAIN BREAKER AT MP-W.
3. EXISTING PANELBOARD IS NAMED "TEMP PANEL" AND SHALL BE RENAMED "LP-A". PROVIDE PANELBOARD WITH NEW ENGRAVED NAMEPLATE AS PER DETAIL "E-EDL". UPDATE LABEL ON UPSTREAM FEEDER BREAKER WITHIN PANEL MP-SW-200.
4. ALL NEW AND EXISTING ELECTRICAL EQUIPMENT SHOWN ON THIS DIAGRAM SHALL BE INCLUDED IN THE POWER DISTRIBUTION SYSTEM ELECTRICAL STUDIES. REFER TO SPECIFICATIONS.
5. PROVIDE NEW AND EXISTING SERVICE ENTRANCE EQUIPMENT WITH NEW ENGRAVED NAMEPLATE TO INDICATE THE SERVICE NUMBER (FOR EXAMPLE: "SERVICE 1 OF 2"), THE LOCATION OF ALL OTHER SERVICE DISCONNECTS (FOR EXAMPLE: "SERVICE NO. 2 LOCATED IN WELDING 228"), AND THE AREA SERVED BY EACH SERVICE (FOR EXAMPLE: "SERVICE FOR NON-WELDING LOADS").

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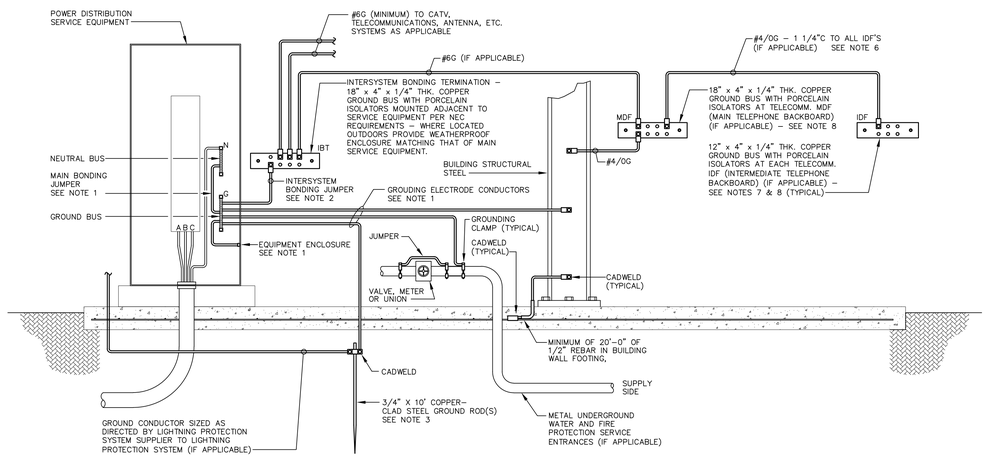
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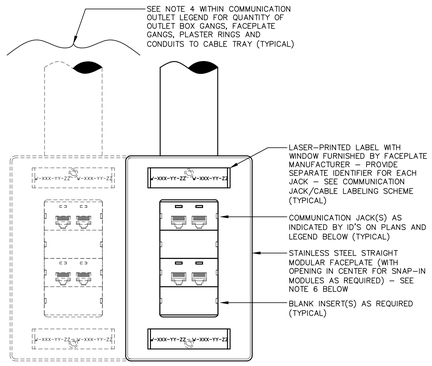
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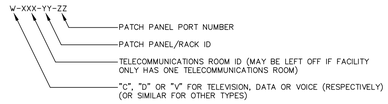
DETAIL "E–MSG"
MAIN SERVICE GROUNDING
SCALE : NONE

DETAIL NOTES

1. UNLESS OTHERWISE NOTED, MAIN BONDING JUMPER SHALL BE SIZED IN ACCORDANCE WITH NEC TABLE 250.102(C)(1) AND ALL GROUNDING ELECTRODE CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH NEC TABLE 250.66. ALL CONDUCTORS SHALL BE INSULATED COPPER.
2. THE INTERSYSTEM BONDING JUMPER SHALL BE INSULATED COPPER, SIZED TO MATCH THE GROUNDING ELECTRODE CONDUCTOR OR #6AWG, WHICHEVER IS GREATER.
3. ADDITIONAL GROUND RODS SHALL BE INSTALLED A MINIMUM OF SIX (6) FEET APART AND CONNECTED BY GROUNDING ELECTRODE CONDUCTORS UNTIL THE GROUND RESISTANCE DOES NOT EXCEED FIVE (5) OHMS.
4. ALL GROUNDING CONDUCTORS SHALL BE INSTALLED IN CONDUIT (TYPE PER SPECIFICATION REQUIREMENTS) UNLESS SPECIFICALLY NOTED OTHERWISE. METAL CONDUITS SHALL BE GROUNDED PER NEC REQUIREMENTS.
5. REFER TO "GROUNDING" SPECIFICATIONS SECTION FOR ADDITIONAL GROUNDING REQUIREMENTS.
6. THE CONTRACTOR MAY "DAISY–CHAIN" IDF'S TOGETHER WITH A #4/0G. THIS DETAIL IS NOT INTENDED TO REQUIRE A #4/0G FROM EACH IDF TO THE MDF. THE INTENT OF THIS DETAIL TO TO BOND TOGETHER THE SUPPLEMENTAL GROUND BUS IN THE MDF, ALL IDF'S, AND THE MAIN SERVICE GROUND WITH A #4/0G.
7. WHERE AN IDF IS LOCATED IN A SEPARATE BUILDING FROM THE MDF, THE IDF SHALL ALSO BE BONDED TO THE SERVICE GROUND FOR THE SEPARATE BUILDING CONTAINING THE IDF. THIS REQUIREMENT IS IN ADDITION TO THE BOND TO THE MDF.
8. THE EQUIPMENT WITHIN EACH MDF AND IDF SHALL BE BONDED TO THE SUPPLEMENTAL GROUND BUS IN ACCORDANCE WITH THE STRUCTURED CABLING SPECIFICATIONS, EQUIPMENT SUPPLIER'S DIRECTION AND CODE REQUIREMENTS.



COMMUNICATION OUTLET ELEVATION



COMMUNICATION JACK/CABLE LABELING SCHEME

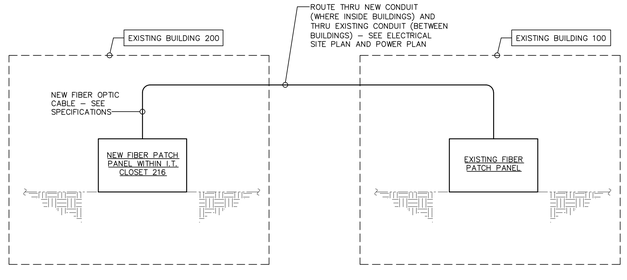
DETAIL "E–CO"
COMMUNICATION OUTLET
SCALE : NONE

COMMUNICATION OUTLET LEGEND

JACK ID(S) SHOWN ON PLANS	JACK TYPE(S)	ASSOCIATED HOMERUN CABLING FROM JACK (SEE NOTE 3 BELOW)	HOMERUN CABLING TO (UNLESS SHOWN OTHERWISE ON PLANS)	REMARKS
*D	RJ45 DATA JACK(S)	CAT6 DATA CABLE(S).	NEAREST DATA PATCH PANEL	

NOTES:

1. THE ASTERISK "*" WITHIN THE JACK ID SECTION ABOVE REPRESENT THE QUANTITIES OF EACH JACK/CABLE TYPE. FOR EXAMPLE, "3D" REPRESENTS THREE (3) DATA JACKS/CABLES.
2. ALL LOW VOLTAGE CABLING SHALL BE PLENUM–RATED.
3. THE QUANTITY OF OUTLET BOX GANGS AND CONDUITS FOR EACH COMMUNICATION OUTLET ASSEMBLY SHALL BE AS FOLLOWS:
   1–4 JACKS: 2–GANG OUTLET BOX WITH 1–GANG PLASTER RING, 1–GANG FACEPLATE AND ONE 1" CONDUIT TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS).
   5–8 JACKS: 2–GANG OUTLET BOX WITH 2–GANG FACEPLATE AND TWO 1" CONDUITS TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS).
   9–12 JACKS: 3–GANG OUTLET BOX WITH 3–GANG FACEPLATE AND THREE 1" CONDUITS TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE OR EXPOSED AREAS).
4. PROVIDE A NYLON BUSHING ON EACH END OF EACH CONDUIT (SPECIFIED WITHIN NOTE 4 ABOVE) TO PROTECT CABLES.
5. COMMUNICATION OUTLET SHALL BE LOCATED A MAXIMUM OF 8 INCHES FROM THE ADJACENT POWER OUTLET.
6. ALL DATA CONDUITS SHALL STUB–OUT AT THE CABLE TRAY (UNLESS NOTED OTHERWISE).



TELECOMMUNICATIONS RISER DIAGRAM
SCALE : NONE

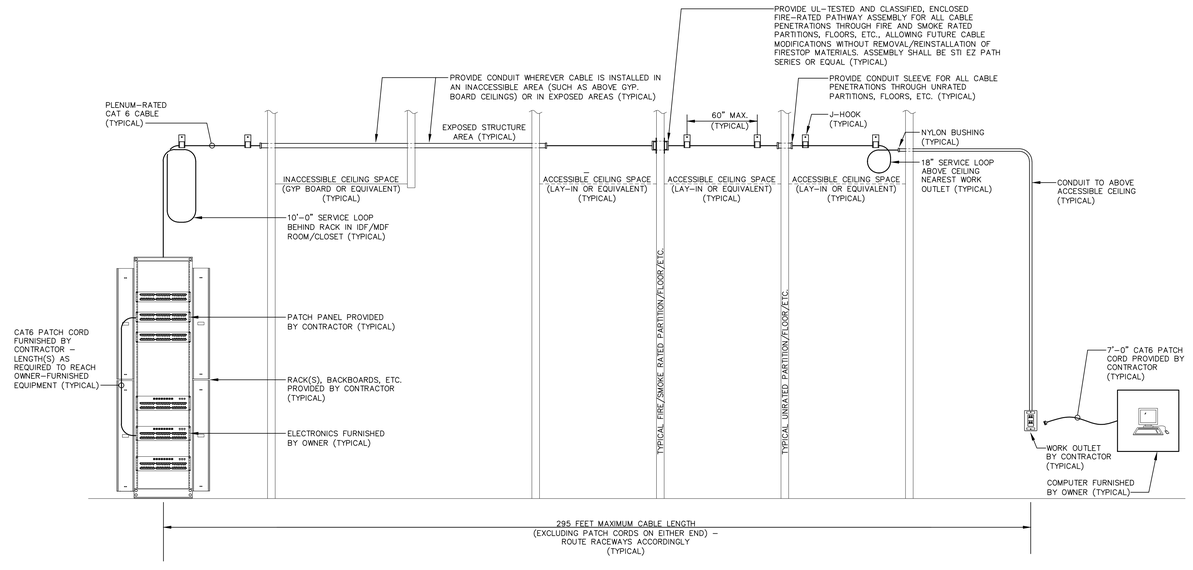


DIAGRAM "E–SCH"
STRUCTURED CABLING HORIZONTAL TYPICAL WIRING DIAGRAM
SCALE : NONE

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MOBILE, AL 36605

GMC AMOB260006

ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24463
10/26/2026

ELECTRICAL DETAILS

E0.05

PANELBOARD SCHEDULE - MP-SW-200

PANEL TYPE:	EXISTING SQUARE 'D' I-LINE SERIES	AIC RATING:	65KAIC (MINIMUM)
VOLTAGE:	120/208V-3P-4W	MOUNTING:	SURFACE
AMPS & TYPE:	1200/3 MAIN BKR (EXISTING)	LOCATION:	ELECTRICAL 217
FED FROM:	UTILITY		

CIR. NO.	DESCRIPTION	VOLTS	P	HP	KW OR KVA	AMPS	BKR SIZE	LOCAL SAFETY SW. RATING	WIRE AND COND. SIZE	REMARKS
1	LP-SW2-WR	120/208	3		15.0		100/3	-	EXISTING	NOTE 3
2	LP-SW2-MR	120/208	3		15.0		100/3	-	EXISTING	NOTE 3
3	LP-A	120/208	3		29.6		200/3	-	EXISTING	NOTE 3
4	LP-B	120/208	3		35.5		125/3	-	4#1 & 1#6G - 2"C	
5	LP-ME	120/208	3		18.0		225/3	-	4#4/0 & 1#4G - 2 1/2"C	NOTE 4
6	LP-SF	120/208	3		20.3		225/3	-	4#4/0 & 1#4G - 2 1/2"C	NOTE 4
7	LP-W	120/208	3		39.5		225/3	-	4#4/0 & 1#4G - 2 1/2"C	NOTE 4
8	BUS-ME	120/208	3		79.2		600/3	-	2 SETS OF 4-350MCM & 1#1G - 3"C	NOTE 4
9	LP-C	120/208	3		27.3		225/3	-	4#4/0 & 1#4G - 2 1/2"C	NOTE 6
10	AIR COMPRESSOR AC-1	208	3	20			125/3	200/3 - F100	3#2 & 1#4G - 1 1/2"C	
11	ODH-3	208	1		13.3		80/2	-	2#4 & 1#6G - 1"C	NOTE 5
12	AC-1	208	3			47.5	80/3	100/3 - F80	3#4 & 1#6G - 1 1/4"C	
13	AC-2	208	3			15.3	25/3	30/3 - F25	3#10 & 1#10G - 3/4"C	
14	HP-3	208	1			13.0	20/2	30/2 - F20	2#12 & 1#12G - 1/2"C	
15	HP-4	208	1			13.0	20/2	30/2 - F20	2#12 & 1#12G - 1/2"C	
16	SPACE						-/	-		
17	SPACE						-/	-		

TOTAL CONNECTED LOAD:	395.6 KVA	
	1,098.9 AMPS	
TOTAL DEMAND LOAD:	316.4 KVA	
	879.0 AMPS	
TOTAL COMPUTED LOAD:	319.5 KVA	
	887.6 AMPS	

NOTES:
1. PANELBOARD IS EXISTING. CIRCUIT NUMBERS ARE SHOWN FOR REFERENCE PURPOSES ONLY. FIELD VERIFY EXACT CIRCUIT NUMBERS.
2. CONNECT NEW CIRCUITS TO NEW BREAKERS WITH THE INDICATED RATINGS (EXCEPT WHERE NOTED OTHERWISE).
3. INDICATED BREAKER AND ASSOCIATED CIRCUITRY ARE EXISTING.
4. FURNISH INDICATED BREAKER(S) WITH SHUNT-TRIP OPERATOR.
5. FURNISH BREAKER WITH LOCK-OFF HARDWARE.
6. CONNECT NEW CIRCUITRY TO EXISTING BREAKER.

PANELBOARD SCHEDULE - LP-A

PANEL TYPE:	EXISTING SQUARE 'D' TYPE NQ	AIC RATING:	22KAIC (MINIMUM)
VOLTAGE	120/208V-3P-4W	MOUNTING:	SURFACE
AMPS & TYPE:	200 AMP - MLO	LOCATION:	ELECTRICAL 217
FED FROM	MP-SW-200	FEEDER:	EXISTING

CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	EXISTING LOAD	800	A	775	LIGHTS - SHIP FITTING	20/1	-	22
2	-	20/1	EXISTING LOAD	800	B	775	LIGHTS - MOCK HULLS/PIPE FITTING	20/1	-	23
3	-	20/1	EXISTING LOAD	800	C	600	LIGHTS - PIPE FITTING	20/1	-	24
4	-	20/1	EXISTING LOAD	800	A	500	LIGHTS - WELDING	20/1	-	25
5	-	20/1	EXISTING LOAD	800	B	1,100	LIGHTS - WELDING	20/1	-	26
6	-	20/1	EXISTING LOAD	800	C	800	TELECOM BACKBOARD	20/1	-	27
7	-	20/1	EXISTING LOAD	800	A	800	TELECOM BACKBOARD	20/1	-	28
8	-	20/1	EXISTING LOAD	800	B	800	TELECOM BACKBOARD	20/1	-	29
9	-	20/1	EXISTING LOAD	800	C	800	TELECOM BACKBOARD	20/1	-	30
10	-	20/1	EXISTING LOAD	800	A	800	TELECOM BACKBOARD	20/1	-	31
11	-	20/1	EXISTING LOAD	800	B	800	TELECOM BACKBOARD	20/1	-	32
12	-	20/1	EXISTING LOAD	800	C	1,000	OUTLET - BREAK ROOM	20/1	GFI	33
13	-	20/1	EXISTING LOAD	800	A	1,000	OUTLET - BREAK ROOM	20/1	-	34
14	-	20/1	EXISTING LOAD	800	B	1,000	OUTLET - BREAK ROOM	20/1	-	35
15	-	20/1	LIGHTS	1,500	C	1,000	REFRIGERATOR	20/1	GFI	36
16	-	20/1	LIGHTS - CLASSROOMS	1,250	A	1,000	ICE MACHINE	20/1	GFI	37
17	LCP	20/1	EXTERIOR LIGHTS - SECURITY	200	B	800	OUTLETS - BREAK ROOM	20/1	-	38
18	LCP	20/1	EXTERIOR LIGHTS	400	C	1,000	OUTLETS - STORITT/CORR	20/1	-	39
19	-	20/1	LIGHTS - MARINE ELECTRICAL	1,000	A	1,400	OUTLETS - TOOL STORAGE	20/1	-	40
20	-	20/1	LIGHTS - MARINE ELECTRICAL	1,000	B	800	OUTLETS - CLASSROOM	20/1	-	41
21	-	20/1	LIGHTING CONTROL PANEL	500	C	800	OUTLETS - CLASSROOM	20/1	-	42
NOTES:				PH. A:	PH. B:	PH. C:	TOTAL CONNECTED LOAD:			35.4 KVA
1. PANELBOARD IS EXISTING. CIRCUIT NUMBERS ARE SHOWN FOR REFERENCE PURPOSES ONLY. FIELD VERIFY EXACT CIRCUIT NUMBERS.				12,525	11,275	11,600				98.3 AMPS
2. CONNECT NEW CIRCUITS TO NEW OR SPARE BREAKERS WITH THE INDICATED RATINGS.							TOTAL DEMAND LOAD:			27.5 KVA
3. "GFI" INDICATES THAT BREAKER SHALL BE GFI-TYPE (5mA TRIP).										76.4 AMPS
4. "LCP" INDICATES THAT CIRCUIT SHALL BE ROUTED THRU LIGHTING CONTROL PANEL.							TOTAL COMPUTED LOAD:			29.8 KVA
										82.7 AMPS

PANELBOARD SCHEDULE - LP-B

PANEL TYPE:	SQUARE 'D' TYPE NQ	AIC RATING:	10KAIC (MINIMUM)
VOLTAGE	120/208V-3P-4W	MOUNTING:	FLUSH
AMPS & TYPE:	125 AMP - MLO	LOCATION:	WORK RM 210
FED FROM:	MP-SW-200	FEEDER:	SEE PANELBOARD SCHEDULE - MP-SW-200

CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	LO	30/2	ODH-1	2,100	A	1,000	OUTLETS - OFFICE	20/1	-	22
2	|	|	|	2,100	B	1,000	OUTLETS - OFFICE	20/1	-	23
3	LO	80/2	ODH-2	6,650	C	1,000	OUTLETS - OFFICE	20/1	-	24
4	|	|	|	6,650	A	1,000	MICROWAVE	20/1	GFI	25
5	-	20/1	LIGHTS - CLASS/CONF/WORK/CORR	1,600	B	500	VAV BOXES	20/1	-	26
6	-	20/1	LIGHTS - OFFICES/MECH/RR	1,100	C	500	VAV BOXES	20/1	-	27
7	-	20/1	OUTLETS - CLASSROOM	1,000	A	500	COFFEE MAKER	20/1	GFI	28
8	-	20/1	OUTLETS - CLASSROOM	1,000	B		SPARE	20/1	-	29
9	-	20/1	OUTLETS - CLASSROOM	800	C		SPARE	20/1	-	30
10	-	20/1	OUTLETS - CLASSROOM	800	A		SPARE	20/1	-	31
11	-	20/1	OUTLETS - CLASSROOM	800	B		SPARE	20/1	-	32
12	-	20/1	OUTLETS - WORK ROOM/LOBBY	1,200	C		SPARE	20/1	-	33
13	-	20/1	COPIER	1,000	A		SPARE	20/1	-	34
14	GFI	20/1	DRINKING FOUNTAIN	500	B		SPARE	20/1	-	35
15	GFI	20/1	REFRIGERATOR	1,000	C		SPARE	20/1	-	36
16	-	20/1	OUTLETS - CONFERENCE ROOM	900	A		SPARE	20/1	-	37
17	GFI	20/1	OUTLETS - CONFERENCE ROOM	1,000	B		SPARE	20/1	-	38
18	GFI	20/1	OUTLETS - CONFERENCE ROOM	1,000	C		SPARE	20/1	-	39
19	-	20/1	OUTLETS - OFFICE	1,000	A		SPARE	20/1	-	40
20	-	20/1	OUTLETS - OFFICE	1,000	B		SPARE	20/1	-	41
21	-	20/1	OUTLETS - OFFICE	1,000	C		SPARE	20/1	-	42
NOTES:				PH. A:	PH. B:	PH. C:	TOTAL CONNECTED LOAD:			39.4 KVA
1. PROVIDE INTEGRAL 160KA (PER PHASE) SURGE PROTECTION DEVICE.				15,650	9,500	14,250				109.4 AMPS
2. "LO" INDICATES THAT BREAKER SHALL BE FURNISHED WITH LOCK-OFF HARDWARE.							TOTAL DEMAND LOAD:			34.8 KVA
3. "GFI" INDICATES THAT BREAKER SHALL BE GFI-TYPE (5mA TRIP).										96.7 AMPS
							TOTAL COMPUTED LOAD:			35.5 KVA
										98.5 AMPS

PANELBOARD SCHEDULE - LP-ME

PANEL TYPE:	SQUARE 'D' TYPE NQ	AIC RATING:	18KAIC (MINIMUM)
VOLTAGE	120/208V-3P-4W	MOUNTING:	SURFACE
AMPS & TYPE:	225 AMP - MLO	LOCATION:	MARINE ELECTRICAL 220
FED FROM:	MP-SW-200	FEEDER:	SEE PANELBOARD SCHEDULE - MP-SW-200

CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	GFI	20/1	DRINKING FOUNTAIN	500	A	800	OUTLET - CORD REEL	20/1	-	22
2	-	15/3	MOTORIZED OVERHEAD DOOR	600	B	800	OUTLET - CORD REEL	20/1	-	23
3	-	|	|	600	C	800	OUTLET - CORD REEL	20/1	-	24
4	-	|	|	600	A	800	OUTLET - CORD REEL	20/1	-	25
5	-	20/1	OUTLETS - MARINE ELECTRICAL	1,600	B	800	OUTLET - CORD REEL	20/1	-	26
6	-	20/1	OUTLETS - MARINE ELECTRICAL	1,600	C	800	OUTLET - CORD REEL	20/1	-	27
7	-	20/1	OUTLETS - MARINE ELECTRICAL	1,600	A		SPARE	20/1	-	28
8	-	20/1	OUTLETS - MARINE ELECTRICAL	1,600	B		SPARE	20/1	-	29
9	-	20/1	OUTLETS - MARINE ELECTRICAL	1,600	C		SPARE	20/1	-	30
10	-	20/1	OUTLETS - MARINE ELECTRICAL	1,600	A		SPARE	20/1	-	31
11	-	20/1	OUTLETS - MARINE ELECTRICAL	1,600	B		SPARE	20/1	-	32
12	-	20/1	OUTLETS - MARINE ELECTRICAL	1,600	C		SPARE	20/1	-	33
13	-	20/1	OUTLET - TRAINING BOOTH	800	A		SPARE	20/1	-	34
14	-	20/1	OUTLET - TRAINING BOOTH	800	B		SPARE	20/1	-	35
15	-	20/1	OUTLET - TRAINING BOOTH	800	C		SPARE	20/1	-	36
16	-	20/1	OUTLET - TRAINING BOOTH	800	A		SPARE	20/1	-	37
17	-	20/1	OUTLET - CORD REEL	800	B		SPARE	20/1	-	38
18	-	20/1	OUTLET - CORD REEL	800	C		SPARE	20/1	-	39
19	-	20/1	OUTLET - CORD REEL	800	A		SPARE	20/1	-	40
20	-	20/1	VAV BOXES	500	B		SPARE	20/1	-	41
21	-	20/1	SPARE		C		SPARE	20/1	-	42
NOTES:				PH. A:	PH. B:	PH. C:	TOTAL CONNECTED LOAD:			26.0 KVA
1. PROVIDE INTEGRAL 160KA (PER PHASE) SURGE PROTECTION DEVICE.				8,300	9,100	8,600				72.2 AMPS
2. "GFI" INDICATES THAT BREAKER SHALL BE GFI-TYPE (5mA TRIP).							TOTAL DEMAND LOAD:			18.0 KVA
										50.0 AMPS
							TOTAL COMPUTED LOAD:			18.0 KVA
										50.0 AMPS

PANELBOARD SCHEDULE - LP-SF (SECT. 1)

PANEL TYPE:	SQUARE 'D' TYPE NQ	AIC RATING:	18KAIC (MINIMUM)
VOLTAGE	120/208V-3P-4W	MOUNTING:	SURFACE
AMPS & TYPE:	225 AMP - MLO	LOCATION:	SHIP FITTING 221
FED FROM:	MP-SW-200	FEEDER:	SEE PANELBOARD SCHEDULE - MP-SW-200

CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	15/3	MOTORIZED OVERHEAD DOOR	600	A	1,600	OUTLETS - PIPE FITTING	20/1	-	31
2	-	|	|	600	B	1,600	OUTLETS - PIPE FITTING	20/1	-	32
3	-	|	|	600	C	1,600	OUTLETS - PIPE FITTING	20/1	-	33
4	-	20/1	SPARE		A		SPARE	20/1	-	34
5	-	20/1	SPARE		B		SPARE	20/1	-	35
6	-	20/1	SPARE		C		SPARE	20/1	-	36
7	-	20/1	OUTLETS - SHIP FITTING	1,600	A		SPARE	20/1	-	37
8	-	20/1	OUTLETS - SHIP FITTING	1,600	B		SPARE	20/1	-	38
9	-	20/1	OUTLETS - SHIP FITTING	1,600	C		SPARE	20/1	-	39
10	-	20/1	OUTLETS - SHIP FITTING	1,600	A		SPARE	20/1	-	40
11	-	20/1	CORD REEL - SHIP FITTING	800	B		SPARE	20/1	-	41
12	-	20/1	CORD REEL - SHIP FITTING	800	C		SPARE	20/1	-	42
13	-	20/1	CORD REEL - SHIP FITTING	800	A		SPARE	20/1	-	43
14	-	20/1	CORD REEL - SHIP FITTING	800	B		SPARE	20/1	-	44
15	-	20/1	CORD REEL - MOCK HULLS	800	C		SPARE	20/1	-	45
16	-	20/1	CORD REEL - MOCK HULLS	800	A		SPARE	20/1	-	46
17	-	20/1	CORD REEL - PIPE FITTING	800	B		SPARE	20/1	-	47
18	-	20/1	CORD REEL - PIPE FITTING	800	C		SPARE	20/1	-	48
19	-	20/1	CORD REEL - PIPE FITTING	800	A		SPARE	20/1	-	49
20	-	20/1	CORD REEL - PIPE FITTING	800	B		SPARE	20/1	-	50
21	-	20/1	CORD REEL - PIPE FITTING	800	C		SPARE	20/1	-	51
22	-	20/1	CORD REEL - PIPE FITTING	800	A		SPARE	20/1	-	52
23	-	20/1	CORD REEL - PIPE FITTING	800	B		SPARE	20/1	-	53
24	-	20/1	CORD REEL - PIPE FITTING	800	C		SPARE	20/1	-	54
25	-	20/1	CORD REEL - PIPE FITTING	800	A		SPARE	20/1	-	55
26	-	20/1	CORD REEL - PIPE FITTING	800	B		SPARE	20/1	-	56
27	-	20/1	CORD REEL - PIPE FITTING	800	C		SPARE	20/1	-	57
28	-	20/1	CORD REEL - PIPE FITTING	800	A		SPARE	20/1	-	58
29	-	20/1	OUTLETS - PIPE FITTING	1,600	B		SPARE	20/1	-	59
30	-	20/1	OUTLETS - PIPE FITTING	1,600	C		SPARE	20/1	-	60
NOTES:				PH. A:	PH. B:	PH. C:	TOTAL CONNECTED LOAD:			30.6 KVA
1. PROVIDE INTEGRAL 160KA (PER PHASE) SURGE PROTECTION DEVICE.				10,200	10,200	10,200				85.0 AMPS
2. FURNISH PANELBOARD IN A SINGLE 20-INCH WIDE SECTION WITH 60 TOTAL 1-POLE SPACES.							TOTAL DEMAND LOAD:			20.3 KVA
3. "GFI" INDICATES THAT BREAKER SHALL BE GFI-TYPE (5mA TRIP).										56.4 AMPS
							TOTAL COMPUTED LOAD:			20.3 KVA
										56.4 AMPS

PANELBOARD SCHEDULE - BUS-ME

PANEL TYPE:	SQUARE 'D' I-LINE PLUG-IN BUSWAY	AIC RATING:	42KAIC (MINIMUM)
VOLTAGE:	120/208V-3P-4W	MOUNTING:	SUSPENDED AS HIGH AS POSSIBLE
AMPS & TYPE:	600 AMP - MLO	LOCATION:	MARINE ELECTRICAL 220
FED FROM:	MP-SW-200	FEEDER:	SEE PANELBOARD SCHEDULE - MP-SW-200

CIR. NO.	DESCRIPTION	VOLTS	P	HP	KW OR KVA	AMPS	FUSIBLE BUS PLUG RATING	WIRE AND COND. SIZE	REMARKS
1	HAAS VF-2	208	3			70.0	100/3 - F90	3#3 & 1#8G - 1 1/4"C	
2	HAAS VF-2	208	3			70.0	100/3 - F90	3#3 & 1#8G - 1 1/4"C	
3	HAAS ST-10	208	3			40.0	60/3 - F60	3#6 & 1#10G - 1"C	
4	HAAS ST-10	208	3			40.0	60/3 - F60	3#6 & 1#10G - 1"C	
5	SPACE						-		
6	SPACE						-		
7	SPACE						-		
8	SPACE						-		

TOTAL CONNECTED LOAD:	79.2 KVA	
	220.0 AMPS	
TOTAL DEMAND LOAD:	79.2 KVA	
	220.0 AMPS	
TOTAL COMPUTED LOAD:	79.2 KVA	
	220.0 AMPS	

NOTES:
1. BUSWAY SHALL BE COPPER WITH INTEGRAL GROUND BUS.
2. PROVIDE FOUR (4) SPARE 60/3 FUSIBLE BUS PLUGS.

PANELBOARD SCHEDULE - LP-W (SECT. 1)

PANEL TYPE:	SQUARE 'D' TYPE NQ	AIC RATING:	10KAIC (MINIMUM)
VOLTAGE	120/208V-3P-4W	MOUNTING:	SURFACE
AMPS & TYPE:	225 AMP - MLO	LOCATION:	WELDING 227
FED FROM:	MP-SW-200	FEEDER:	SEE PANELBOARD SCHEDULE - MP-SW-200

CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	GFI	20/1	OUTLET - WELDING CERT CART	1,500	A	1,500	OUTLET - WELDING BOOTH	20/1	GFI	31
2	GFI	20/1	OUTLET - WELDING CERT CART	1,500	B	1,500	OUTLET - WELDING BOOTH	20/1	GFI	32
3	GFI	20/1	OUTLET - WELDING CERT CART	1,500	C	1,500	OUTLET - WELDING BOOTH	20/1	GFI	33
4	GFI	20/1	OUTLET - WELDING CERT CART	1,500	A	1,500	OUTLET - WELDING BOOTH	20/1	GFI	34
5	GFI	20/1	OUTLET - WELDING	1,500	B	1,500	OUTLET - WELDING BOOTH	20/1	GFI	35
6	GFI	20/1	OUTLET - WELDING	1,500	C	1,500	OUTLET - WELDING BOOTH	20/1	GFI	36
7	GFI	20/1	OUTLET - WELDING BOOTH	1,500	A	1,500	OUTLET - WELDING BOOTH	20/1	GFI	37
8	GFI	20/1	OUTLET - WELDING BOOTH	1,500	B	1,500	OUTLET - WELDING BOOTH	20/1	GFI	38
9	GFI	20/1	OUTLET - WELDING BOOTH	1,500	C	1,500	OUTLET - WELDING	20/1	GFI	39
10	GFI	20/1	OUTLET - WELDING BOOTH	1,500	A	1,500	OUTLET - WELDING	20/1	GFI	40
11	GFI	20/1	OUTLET - WELDING BOOTH	1,500	B	1,500	OUTLET - WELDING	20/1	GFI	41
12	GFI	20/1	OUTLET - WELDING BOOTH	1,500	C	1,500	OUTLET - WELDING	20/1	GFI	42
13	-	15/3	MOTORIZED OVERHEAD DOOR	600	A	950	VF-1	20/2	-	43
14	-	|	|	600	B	950	|	|	-	44
15	-	|	|	600	C	950	VF-2	20/2	-	45
16	GFI	20/1	OUTLET - WELDING BOOTH	1,500	A	950	|	|	-	46
17	GFI	20/1	OUTLET - WELDING BOOTH	1,500	B	500	AIR DRYER	20/1	-	47
18	GFI	20/1	OUTLET - WELDING BOOTH	1,500	C	600	UNIT HEATERS	20/1	-	48
19	GFI	20/1	OUTLET - WELDING BOOTH	1,500	A		SPARE	20/1	-	49
20	GFI	20/1	OUTLET - WELDING BOOTH	1,500	B		SPARE	20/1	-	50
21	GFI	20/1	OUTLET - WELDING BOOTH	1,500	C		SPARE	20/1	-	51
22	GFI	20/1	OUTLET - WELDING BOOTH	1,500	A		SPARE	20/1	-	52
23	GFI	20/1	OUTLET - WELDING BOOTH	1,500	B		SPARE	20/1	-	53
24	GFI	20/1	OUTLET - WELDING BOOTH	1,500	C		SPARE	20/1	-	54
25	GFI	20/1	OUTLET - WELDING BOOTH	1,500	A		SPARE	20/1	-	55
26	GFI	20/1	OUTLET - WELDING BOOTH	1,500	B		SPARE	20/1	-	56
27	GFI	20/1	OUTLET - WELDING BOOTH	1,500	C		SPARE	20/1	-	57
28	GFI	20/1	OUTLET - WELDING BOOTH	1,500	A		SPARE	20/1	-	58
29	GFI	20/1	OUTLET - WELDING BOOTH	1,500	B		SPARE	20/1	-	59
30	GFI	20/1	OUTLET - WELDING BOOTH	1,500	C		SPARE	20/1	-	60
NOTES:				PH. A:	PH. B:	PH. C:	TOTAL CONNECTED LOAD:			65.2 KVA
1. PROVIDE INTEGRAL 160KA (PER PHASE) SURGE PROTECTION DEVICE.				22,000	21,550	21,650				181.1 AMPS
2. FURNISH PANELBOARD IN A SINGLE 20-INCH WIDE SECTION WITH 60 TOTAL 1-POLE SPACES.							TOTAL DEMAND LOAD:			39.5 KVA
3. "GFI" INDICATES THAT BREAKER SHALL BE GFI-TYPE (5mA TRIP).										109.7 AMPS
							TOTAL COMPUTED LOAD:			39.5 KVA
										109.7 AMPS

PANELBOARD SCHEDULE - LP-C

PANEL TYPE:	SQUARE 'D' TYPE NQ	AIC RATING:	10KAIC (MINIMUM)
VOLTAGE	120/208V-3P-4W	MOUNTING:	SURFACE
AMPS & TYPE:	225 AMP - MLO	LOCATION:	SEE PLANS
FED FROM:	MP-SW-200	FEEDER:	SEE PANELBOARD SCHEDULE - MP-SW-200

CKT. NO.	NOTES	BKR	DESCRIPTION	WATTS	PHASE	WATTS	DESCRIPTION	BKR	NOTES	CKT NO.
1	-	20/1	LIGHTS - CLASSROOMS/STORAGE	600	A	800	CF-1	15/3	-	22
2	GFI	20/1	DRINKING FOUNTAIN	500	B	800	|	|	-	23
3	-	15/3	MOTORIZED OVERHEAD DOOR	600	C	800	|	|	-	24
4	-	|	|	600	A	800	CF-2	15/3	-	25
5	-	|	|	600	B	800	|	|	-	26
6	-	20/1	OUTLETS - CLASSROOM	1,000	C	800	|	|	-	27
7	-	20/1	OUTLETS - CLASSROOM	1,000	A	950	VF-3	20/2	-	28
8	-	20/1	OUTLETS - STORAGE	1,000	B	950	|	|	-	29
9	-	20/1	SPARE		C	950	VF-4	20/2	-	30
10	-	20/1	SPARE		A	950	|	|	-	31
11	-	20/1	SPARE		B	600	UNIT HEATERS	20/1	-	32
12	-	20/1	SPARE		C	1,800	HP-1	45/2	-	33
13	-	20/1	SPARE		A	1,800	|	|	-	34
14	-	20/1	SPARE		B	1,800	HP-2	45/2	-	35
15	-	20/1	SPARE		C	1,800	|	|	-	36
16	-	20/1	SPARE		A	800	CF-3	15/3	-	37
17	-	20/1	SPARE		B	800	|	|	-	38
18	-	20/1	SPARE		C	800	|	|	-	39
19	-	20/1	SPARE		A	800	CF-4	15/3	-	40
20	-	20/1	SPARE		B	800	|	|	-	41
21	-	20/1	SPARE		C	800	|	|	-	42
NOTES:				PH. A:	PH. B:	PH. C:	TOTAL CONNECTED LOAD:			27.1 KVA
1. PROVIDE INTEGRAL 160KA (PER PHASE) SURGE PROTECTION DEVICE.				9,100	8,650	9,350				75.3 AMPS
2. "GFI" INDICATES THAT BREAKER SHALL BE GFI-TYPE (5mA TRIP).							TOTAL DEMAND LOAD:			27.1 KVA
										75.3 AMPS
							TOTAL COMPUTED LOAD:			27.3 KVA
										75.7 AMPS

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925 DAUPHIN ISLAND PKWY,
MOBILE, AL 36605

GMC AMOB260006

ALABAMA LICENSED PROFESSIONAL ENGINEER ROBERT C. RENFRO No. 24463
10/26/2026

JACKSON, RENFRO & ASSOCIATES, INC.
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JRA JOB NO. 225269

ELECTRICAL EQUIPMENT SCHEDULES

E0.06

PANELBOARD SCHEDULE - MP-W

PANEL TYPE:	SQUARE 'D' TYPE NF						AIC RATING:		42KAIC (MINIMUM)			
VOLTAGE:	277/480V,3P-4W						MOUNTING:		SURFACE			
AMPS & TYPE:	600G MAIN BKR	(SEE NOTE 4)					LOCATION:		WELDING 227			
FED FROM:	UTILITY						FEEDER:		2 SETS OF 4-350KCM - 3"C			
CIR. NO.	DESCRIPTION	VOLTS	P	HP	KW OR KVA	AMPS	BKR SIZE	LOCAL SAFETY SW. RATING	WIRE AND COND. SIZE			REMARKS
1,2,3	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
4,5,6	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
7,8,9	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
10,11,12	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
13,14,15	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
16,17,18	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
19,20,21	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
22,23,24	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
25,26,27	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
28,29,30	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
31,32,33	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
34,35,36	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
37,38,39	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
40,41,42	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
43,44,45	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
46,47,48	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
49,50,51	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
52,53,54	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
55,56,57	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
58,59,60	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
61,62,63	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
64,65,66	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
67,68,69	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
70,71,72	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
73,74,75	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
76,77,78	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
79,70,81	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
82,83,84	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
85,86,87	WELDER	480	3			20.0	30/3	-	3#10 & 1#10G, 3/4"C			
88,89,90	WELDING CERTIFICATION CART	480	3			18.8	25/3	-	3#10 & 1#10G, 3/4"C			
91,92,93	WELDING CERTIFICATION CART	480	3			18.8	25/3	-	3#10 & 1#10G, 3/4"C			
94,95,96	WELDING CERTIFICATION CART	480	3			18.8	25/3	-	3#10 & 1#10G, 3/4"C			
97,98,99	WELDING CERTIFICATION CART	480	3			18.8	25/3	-	3#10 & 1#10G, 3/4"C			
100,101,102	CLEAN AIR WELDSTATION	480	3	5			15/3	-	3#12 & 1#12G, 3/4"C			
103,104,105	CLEAN AIR WELDSTATION	480	3	5			15/3	-	3#12 & 1#12G, 3/4"C			
106,107,108	CLEAN AIR WELDSTATION	480	3	5			15/3	-	3#12 & 1#12G, 3/4"C			
109,110,111	CLEAN AIR WELDSTATION	480	3	5			15/3	-	3#12 & 1#12G, 3/4"C			
112,113,114	CLEAN AIR WELDSTATION	480	3	5			15/3	-	3#12 & 1#12G, 3/4"C			
115,116,117	CLEAN AIR WELDSTATION	480	3	5			15/3	-	3#12 & 1#12G, 3/4"C			
118,119,120	CLEAN AIR WELDSTATION	480	3	5			15/3	-	3#12 & 1#12G, 3/4"C			
121,122,123	CLEAN AIR WELDSTATION	480	3	5			15/3	-	3#12 & 1#12G, 3/4"C			
124,125,126	CLEAN AIR WELDSTATION	480	3	5			15/3	-	3#12 & 1#12G, 3/4"C			
127,128,129	CLEAN AIR WELDSTATION	480	3	5			15/3	-	3#12 & 1#12G, 3/4"C			
130,131,132	CLEAN AIR WELDSTATION	480	3	5			15/3	-	3#12 & 1#12G, 3/4"C			
133,134,135	CLEAN AIR WELDSTATION	480	3	5			15/3	-	3#12 & 1#12G, 3/4"C			
136,137,138	CLEAN AIR WELDSTATION	480	3	5			15/3	-	3#12 & 1#12G, 3/4"C			
139,140,141	CLEAN AIR WELDSTATION	480	3	5			15/3	-	3#12 & 1#12G, 3/4"C			
142,143,144	CLEAN AIR WELDSTATION	480	3	5			15/3	-	3#12 & 1#12G, 3/4"C			
145	SPACE	277	1				-/1	-	-			
146	SPACE	277	1				-/1	-	-			
147	SPACE	277	1				-/1	-	-			
148	SPACE	277	1				-/1	-	-			
149-162	SPACES	277	1				-/1	-	-			
		TOTAL CONNECTED LOAD:			615.7 KVA				NOTES:			
					769.6 AMPS				1. PROVIDE INTEGRAL 240KA (PER PHASE) SURGE PROTECTION DEVICE.			
		TOTAL DEMAND LOAD:			424.4 KVA				2. PANEL SHALL BE SERVICE-ENTRANCE RATED.			
					530.5 AMPS				3. FURNISH PANELBOARD IN 3 EQUAL SECTIONS WITH 162 TOTAL 1-POLE SPACES.			
		TOTAL COMPUTED LOAD:			424.4 KVA				4. FURNISH MAIN BREAKER WITH SHUNT-TRIP OPERATOR.			
					530.5 AMPS							

ELECTRICAL EQUIPMENT SCHEDULES

BISHOP STATE COMMUNITY COLLEGE MARITIME TRAINING CENTER
RENOVATION
925 DAUPHIN ISLAND PKWY,
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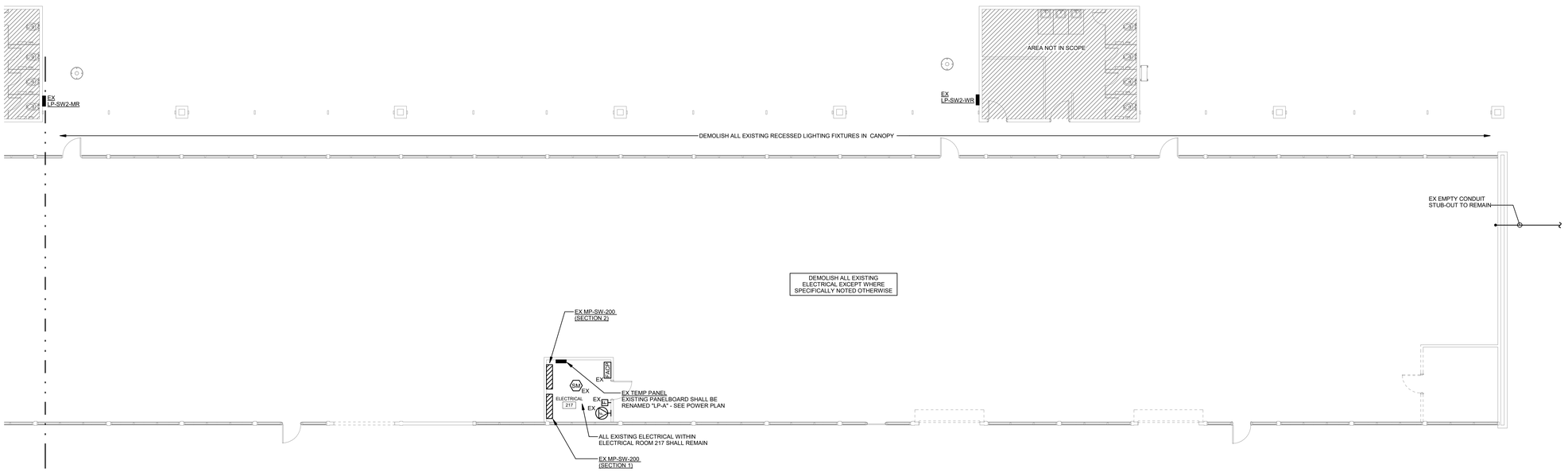
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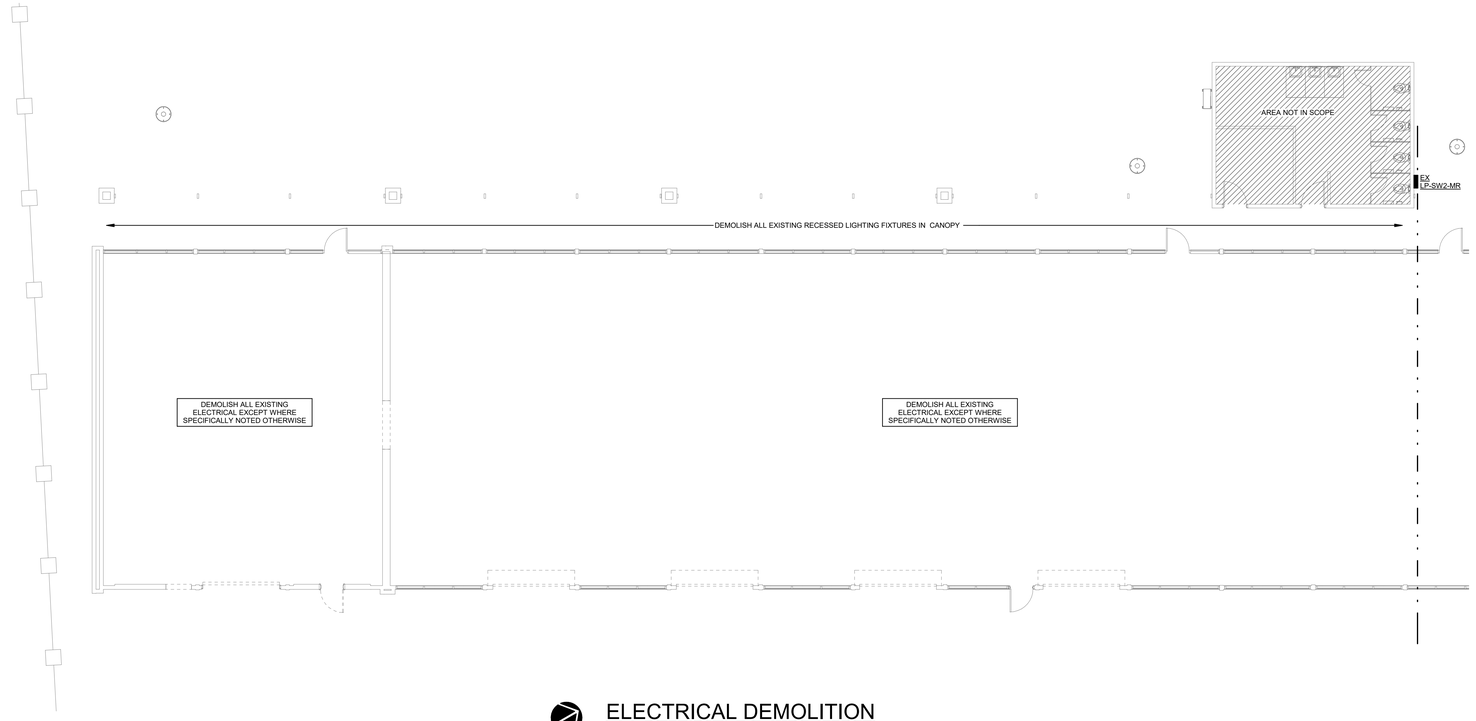
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ELECTRICAL ENGINEERS
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ROBERT RENFRO, PE
(205) 595-7214
(205) 595-7215
JRA JOB NO. 232369



NORTH

ELECTRICAL DEMOLITION PLAN (NORTH)

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



NORTH

ELECTRICAL DEMOLITION PLAN (SOUTH)

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

NOTES THIS SHEET ONLY
1. OWNER SHALL HAVE THE OPTION TO RETAIN ANY EXISTING MATERIALS FOR ATTIC STOCK, OR FOR RE-USE ON THIS PROJECT. VERIFY WITH THE OWNER PRIOR TO DISPOSING OF ANY MATERIALS.

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GMC AMOB260006

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 24463
ROBERT C. RENFRO
10/26/2026

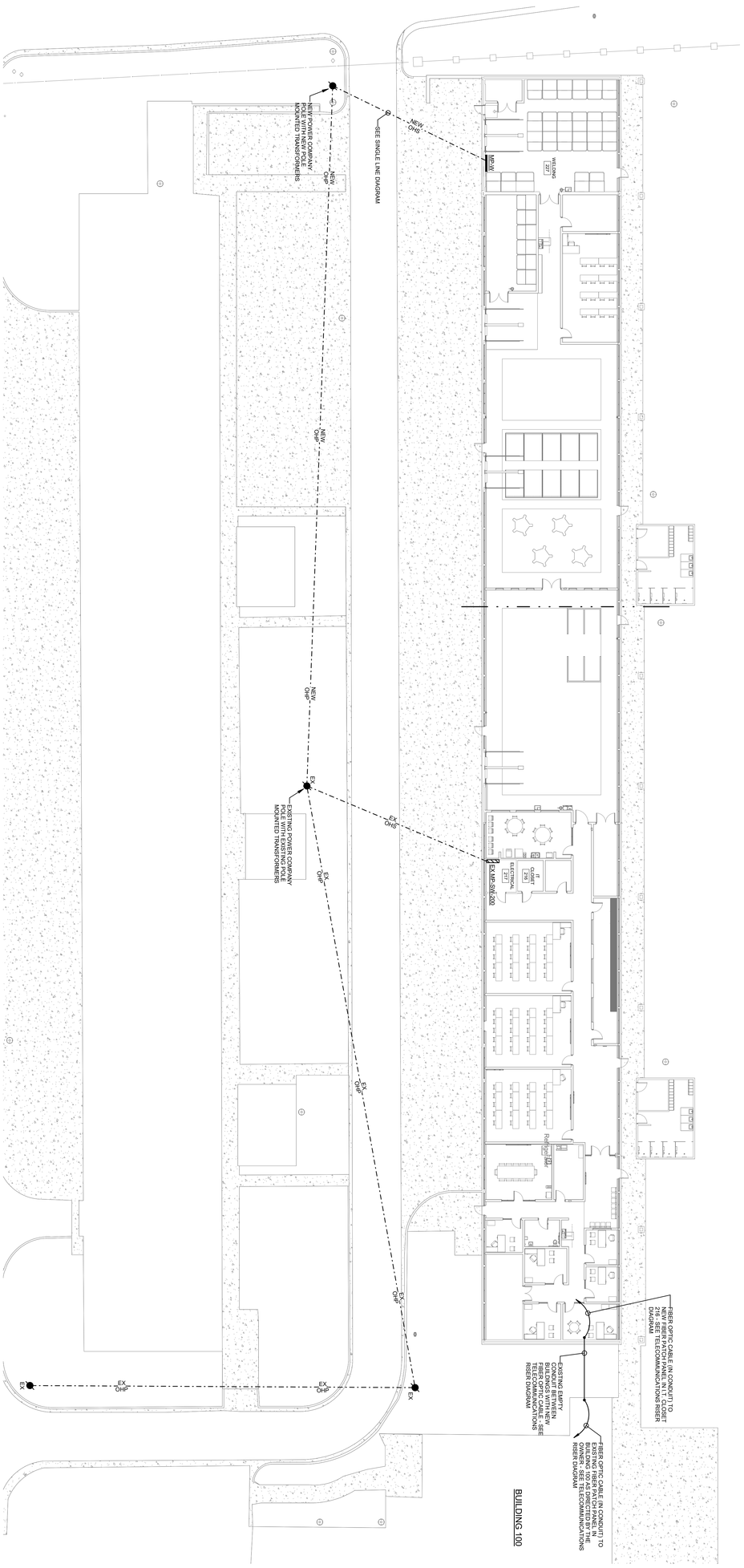
ELECTRICAL DEMOLITION PLAN

E1.01

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ELECTRICAL ENGINEERING & DESIGN
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JRA JOB NO. 225269

10/26/2026 11:54:56 AM TEMPLATE VERSION: 2025.1



NORTH

ELECTRICAL SITE PLAN

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

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(F) 205.538.7215
JRA JOB NO. 22269

ELECTRICAL SITE PLAN

E1.02

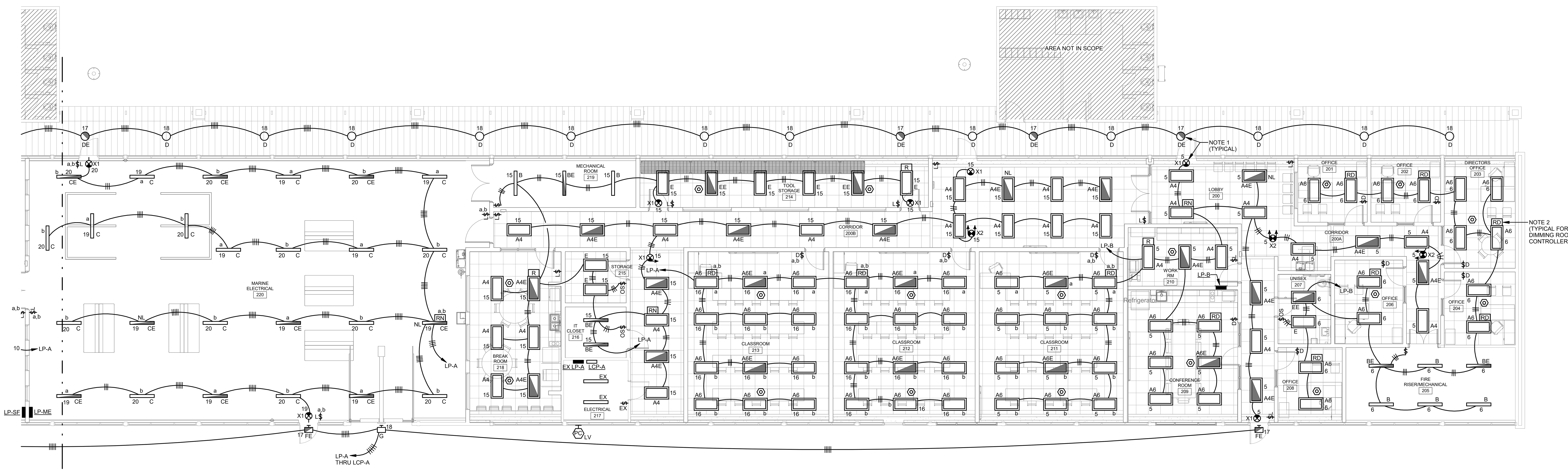
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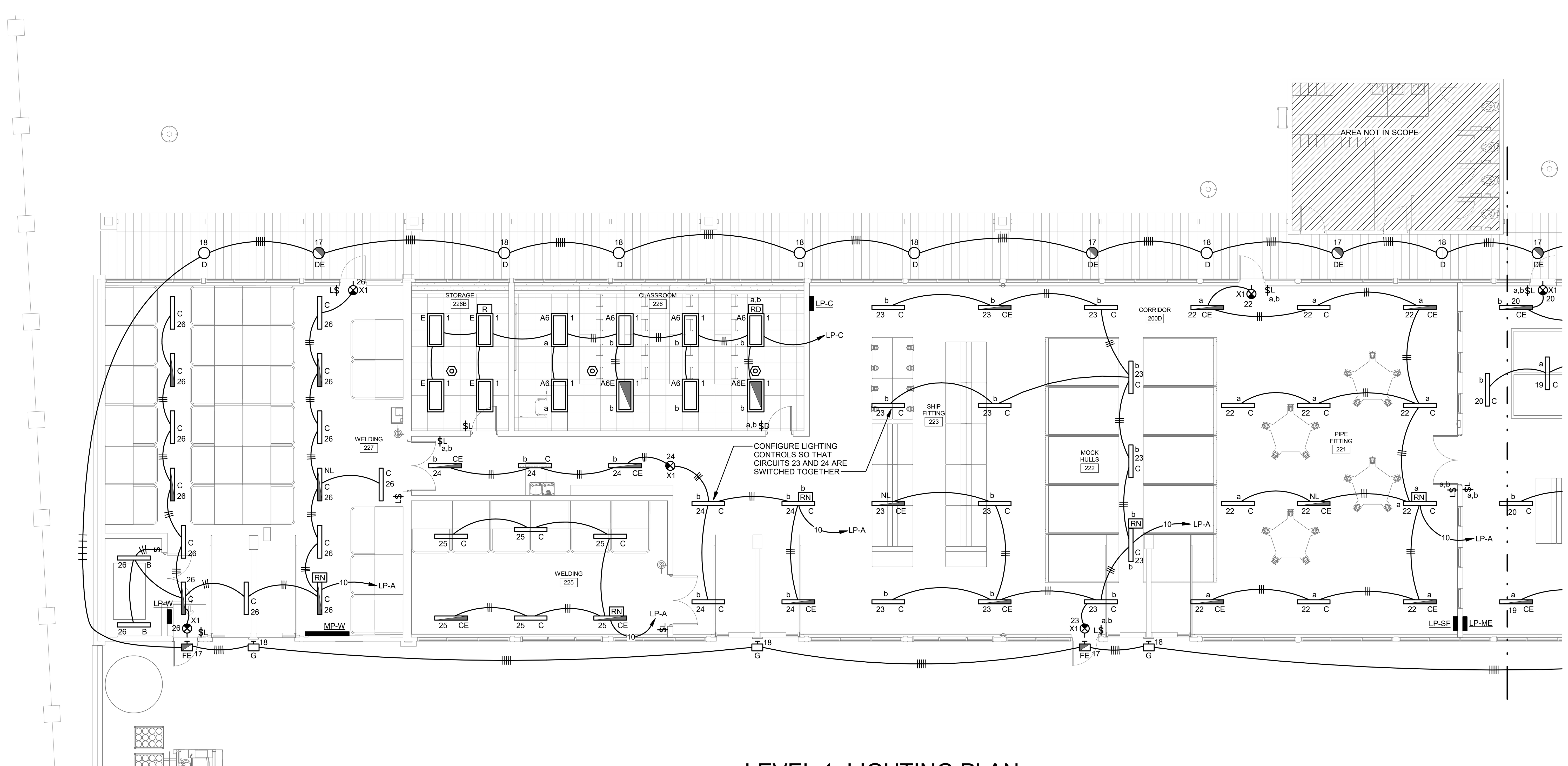
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11 North Water Street, Suite 15250
Mobile, AL 36602
T 251.460.4006
GMCNETWORK.COM



LEVEL 1 LIGHTING PLAN (NORTH)

NORTH

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



LEVEL 1 LIGHTING PLAN (SOUTH)

NORTH

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

NOTES THIS SHEET ONLY

1. DO NOT SWITCH EXIT LIGHTS, NIGHT LIGHTS, OR EMERGENCY BATTERIES (TYPICAL).
2. PROVIDE ALL LOW VOLTAGE CABLING AS REQUIRED FOR DIMMING CONTROL OF ALL 0-10V DIMMED LIGHTING FIXTURES. TYPICAL FOR ALL DIMMING ROOM CONTROLLERS.

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ALABAMA LICENSED PROFESSIONAL ENGINEER No. 24463 ROBERT C. RENFRO 10/26/2026

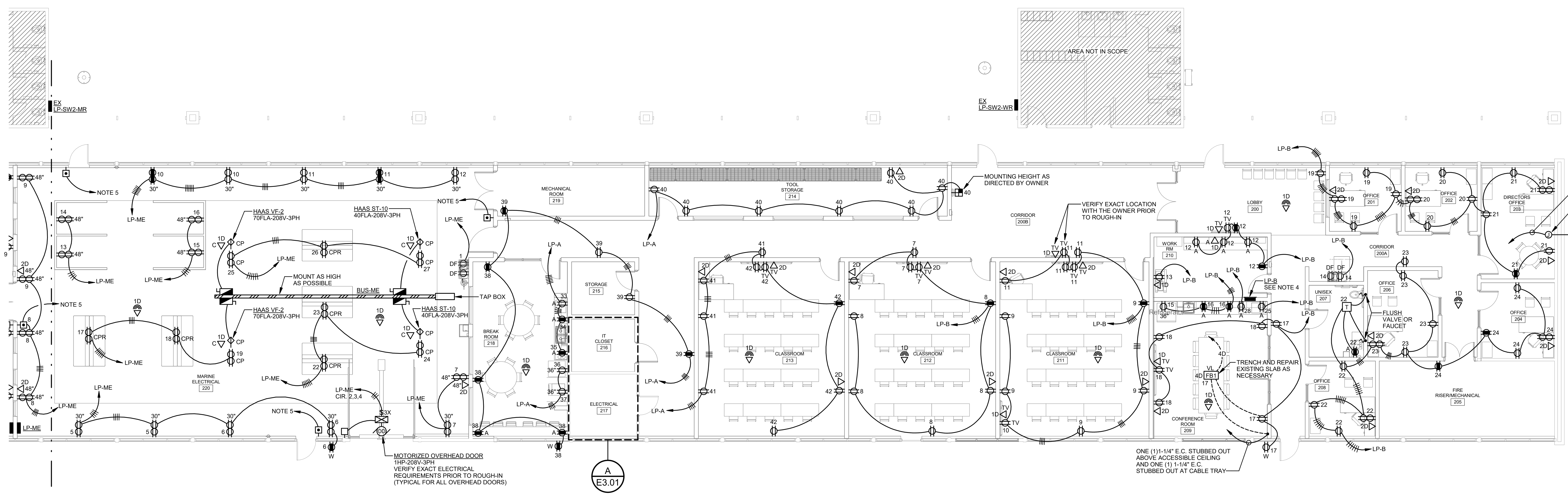
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LIGHTING PLAN

E2.01

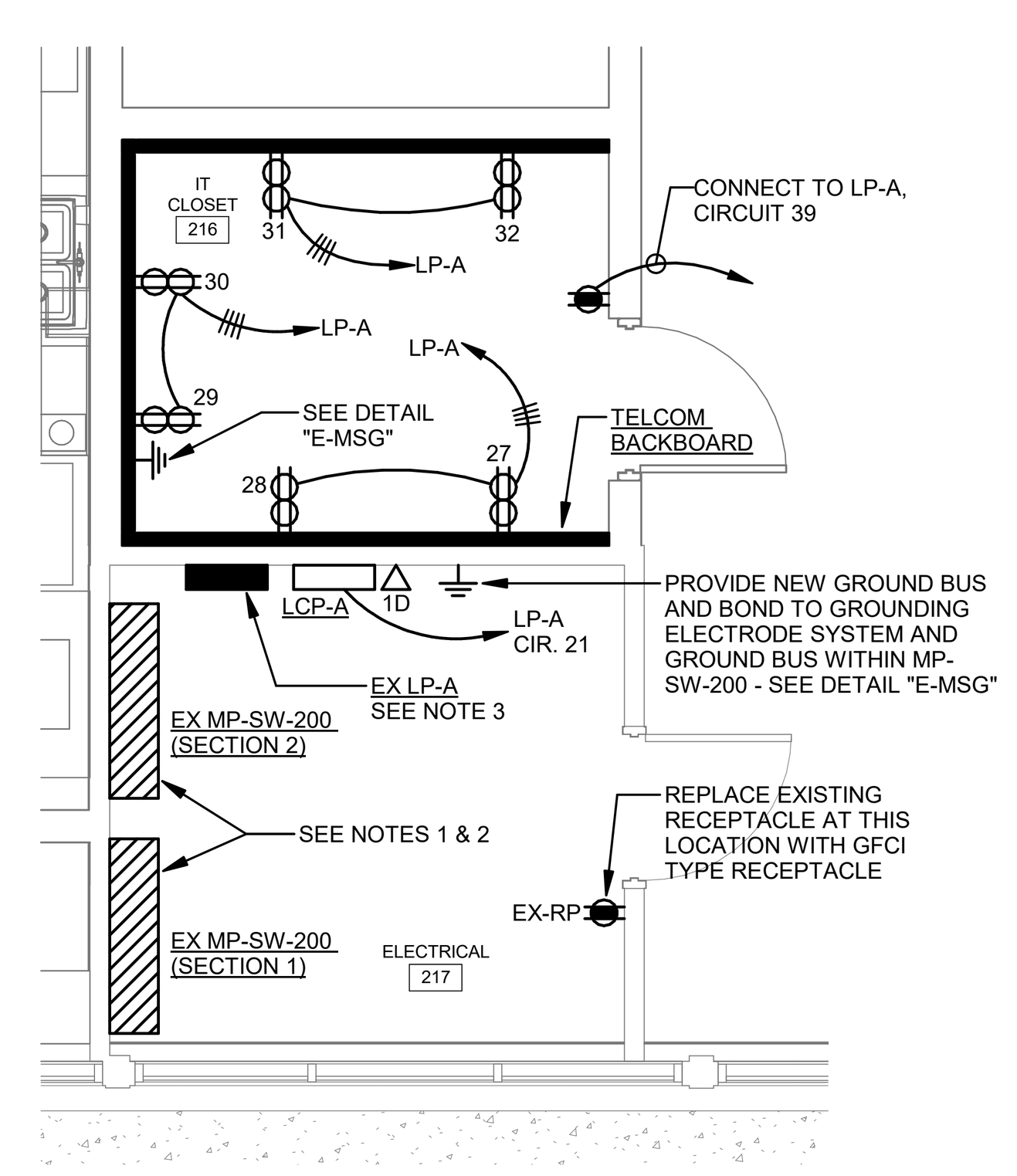
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LEVEL 1 POWER PLAN (NORTH)

NORTH

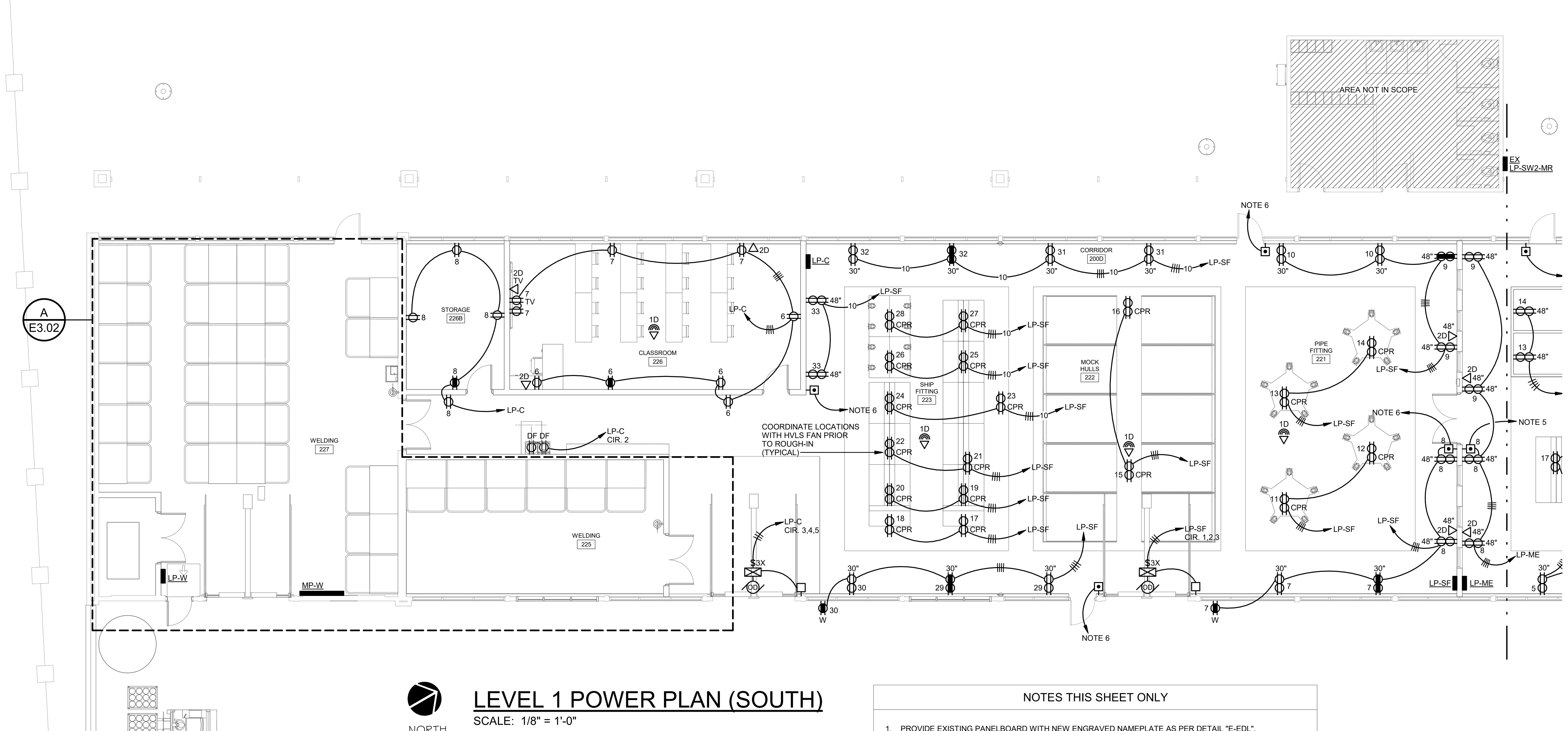
SCALE: 1/8" = 1'-0"



I.T. CLOSET 216 & ELECTRICAL 217 LARGE SCALE PLAN

A E3.01

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



LEVEL 1 POWER PLAN (SOUTH)

NORTH

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

NOTES THIS SHEET ONLY

1. PROVIDE EXISTING PANELBOARD WITH NEW ENGRAVED NAMEPLATE AS PER DETAIL "E-EDL".
2. PROVIDE NEW AND EXISTING SERVICE ENTRANCE EQUIPMENT WITH NEW ENGRAVED NAMEPLATE TO INDICATE THE SERVICE NUMBER (FOR EXAMPLE: "SERVICE 1 OF 2"), THE LOCATION OF ALL OTHER SERVICE DISCONNECTS (FOR EXAMPLE: "SERVICE NO. 2 LOCATED IN WELDING 227"), AND THE AREA SERVED BY EACH SERVICE (FOR EXAMPLE: "SERVICE FOR NON-WELDING LOADS").
3. EXISTING PANELBOARD IS NAMED "TEMP PANEL" AND SHALL BE RENAMED "LP-A". PROVIDE PANELBOARD WITH NEW ENGRAVED NAMEPLATE AS PER DETAIL "E-EDL". UPDATE LABEL ON UPSTREAM FEEDER BREAKER WITHIN PANEL MP-SW-200.
4. PROVIDE FOUR (4) SPARE 3/4" CONDUITS FROM RECESSED PANELBOARD TO ABOVE ACCESSIBLE CEILING.
5. WIRING AS REQUIRED (IN CONDUIT) TO SHUNT-TRIP OPERATORS ON FEEDER BREAKERS TO LP-ME AND BUS-ME (LOCATED WITHIN PANELBOARD MP-SW-200). ACTIVATION OF ANY EMERGENCY STOP PUSHBUTTON SHALL OPEN BOTH FEEDER BREAKERS.
6. WIRING AS REQUIRED (IN CONDUIT) TO SHUNT-TRIP OPERATOR ON FEEDER BREAKER TO LP-SF (LOCATED WITHIN PANELBOARD MP-SW-200). ACTIVATION OF ANY EMERGENCY STOP PUSHBUTTON SHALL OPEN FEEDER BREAKER.

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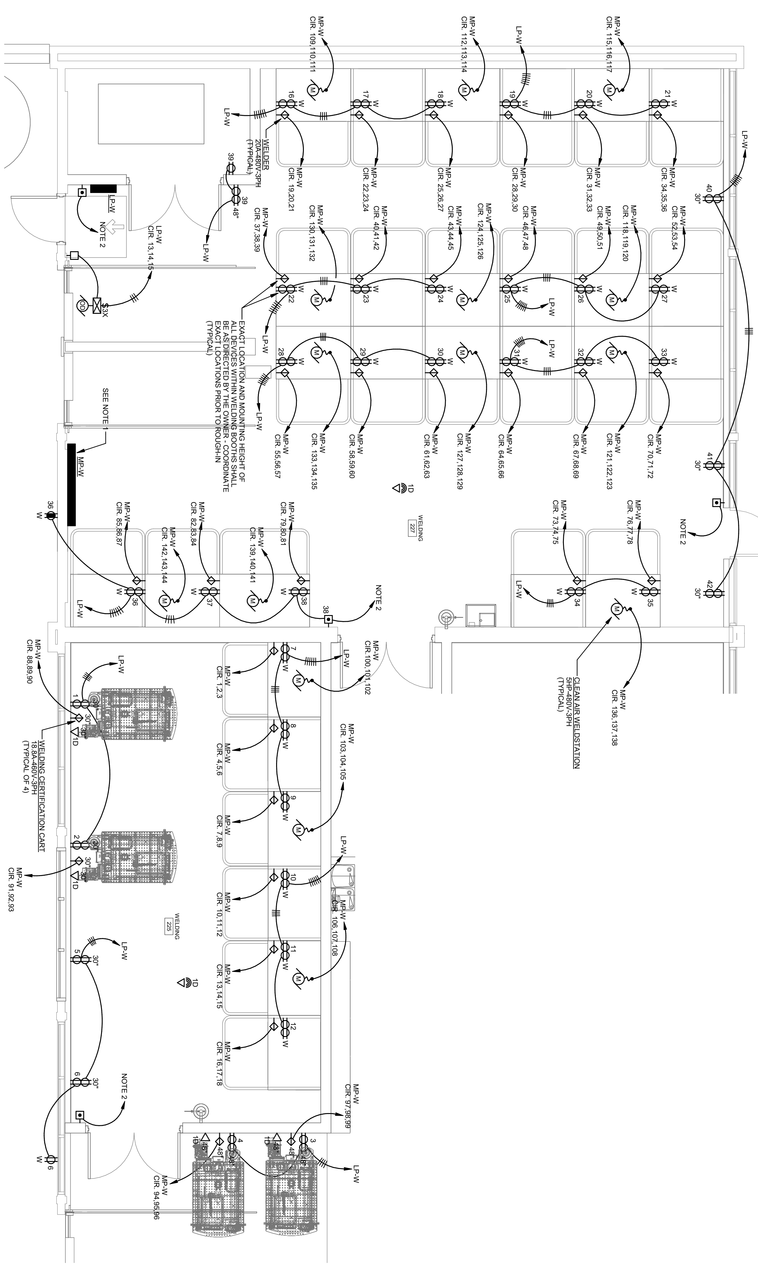
GMC AMOB260006

STATE OF ALABAMA LICENSED PROFESSIONAL ENGINEER No. 24463 ROBERT C. RENFRO 10/26/2026

POWER PLAN

E3.01

10/26/2026 11:55:18 AM TEMPLATE VERSION: 2025.1



NORTH

A E3.02

WELDING 225 & 227 LARGE SCALE PLAN

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

NOTES THIS SHEET ONLY

1. PROVIDE NEW AND EXISTING SERVICE ENTRANCE EQUIPMENT WITH NEW ENGRAVED NAMEPLATE TO INDICATE THE SERVICE NUMBER (FOR EXAMPLE, "SERVICE 1 OF 2") THE LOCATION OF ALL OTHER SERVICE DISCONNECTING MEANS (FOR EXAMPLE, "SERVICE 2 LOCATED IN ROOM 227"), AND THE AREA SERVED BY EACH SERVICE (FOR EXAMPLE, "SERVICE FOR NON-WELDING LOADS").
2. WIRING AS REQUIRED IN CONDUIT TO BRANCH PDP OPERATORS ON FEEDER BREAKER TO LP-W LOCATED WITHIN PANELBOARD MP-SW-200 AND MAIN BREAKER WITHIN MP-W - ACTIVATION OF ANY EMERGENCY STOP PUSHBUTTON SHALL OPEN BOTH BREAKERS

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JRA FIRM NO. 22369

WELDING LARGE SCALE PLAN

E3.02

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MOBILE, AL 36605

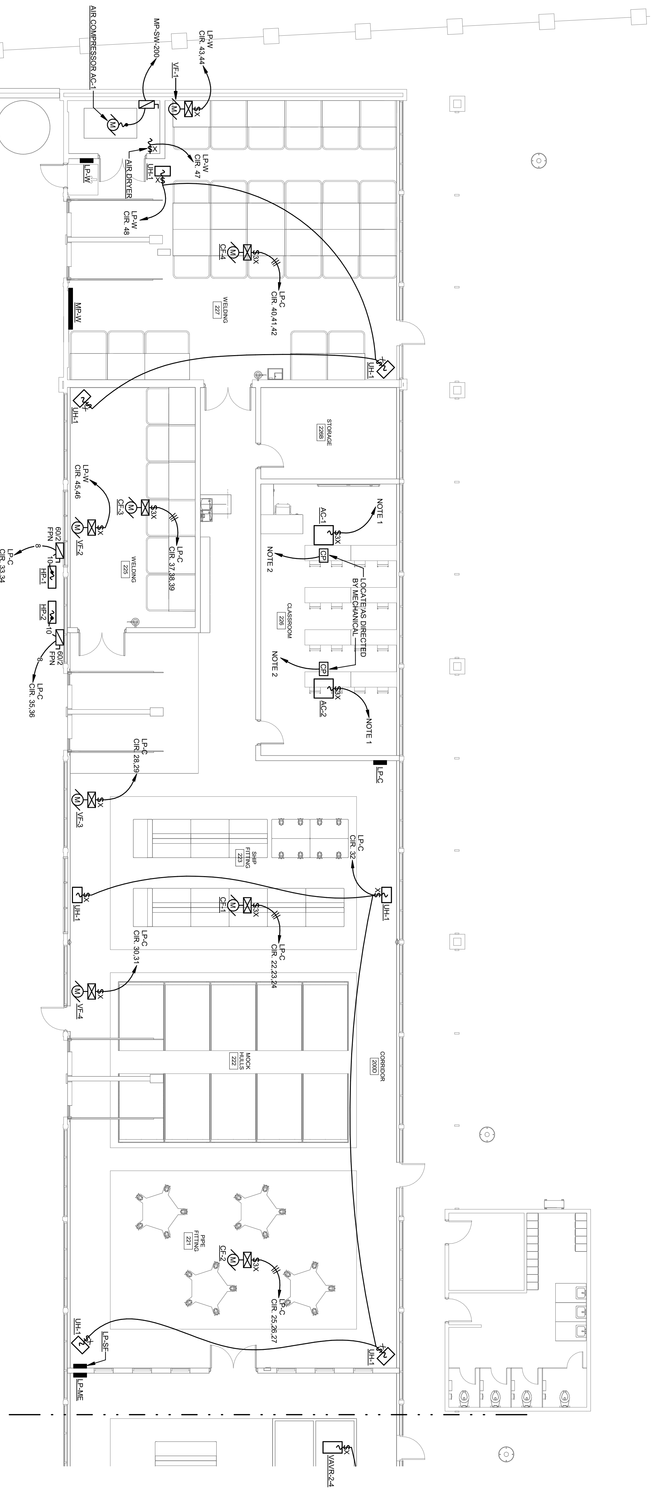
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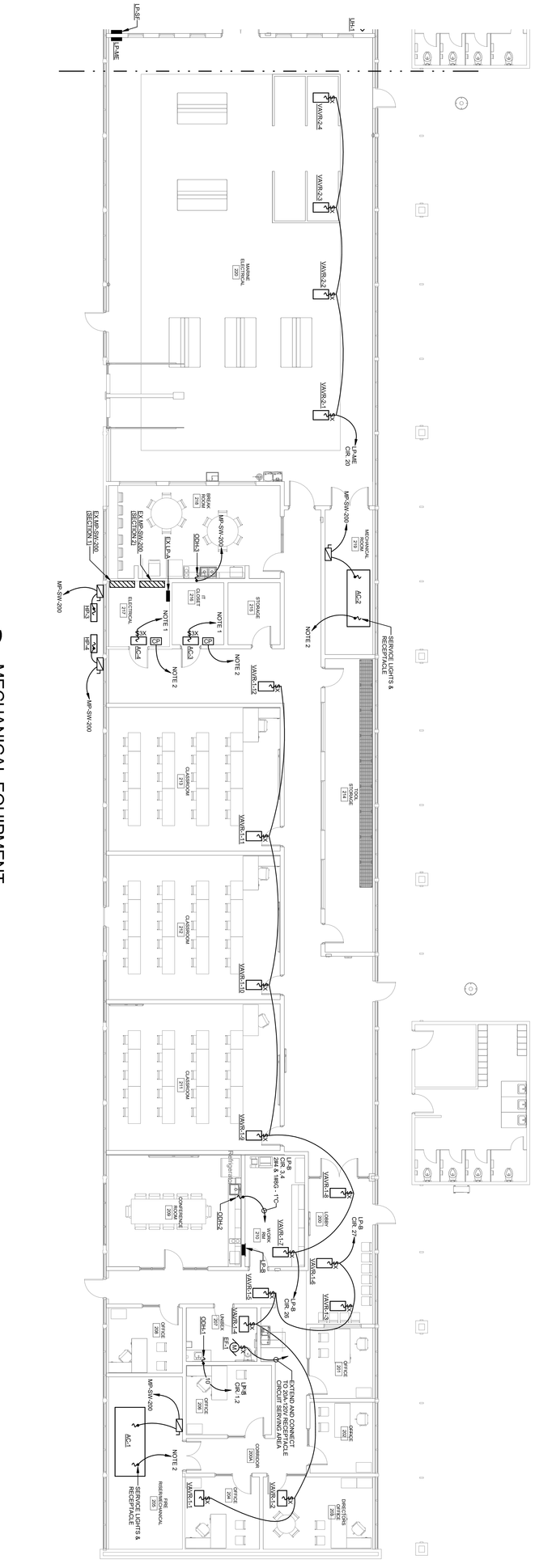
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NORTH

MECHANICAL EQUIPMENT POWER PLAN (SOUTH)

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



NORTH

MECHANICAL EQUIPMENT POWER PLAN (NORTH)

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

NOTES THIS SHEET ONLY

1. PROVIDE WIRING AS DIRECTED BY EQUIPMENT SUPPLIER (IN N.E.C. SIZED CONDUIT) TO ASSOCIATED OUTDOOR UNIT.
2. EXTEND AND CONNECT TO 20A-120V CONVENIENCE RECEPTACLE CIRCUIT SERVING AREA.

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MECHANICAL EQUIPMENT POWER PLAN

E3.03

BISHOP STATE COMMUNITY COLLEGE MARITIME TRAINING CENTER RENOVATION
925 DAUPHIN ISLAND PKWY,
MOBILE, AL 36605

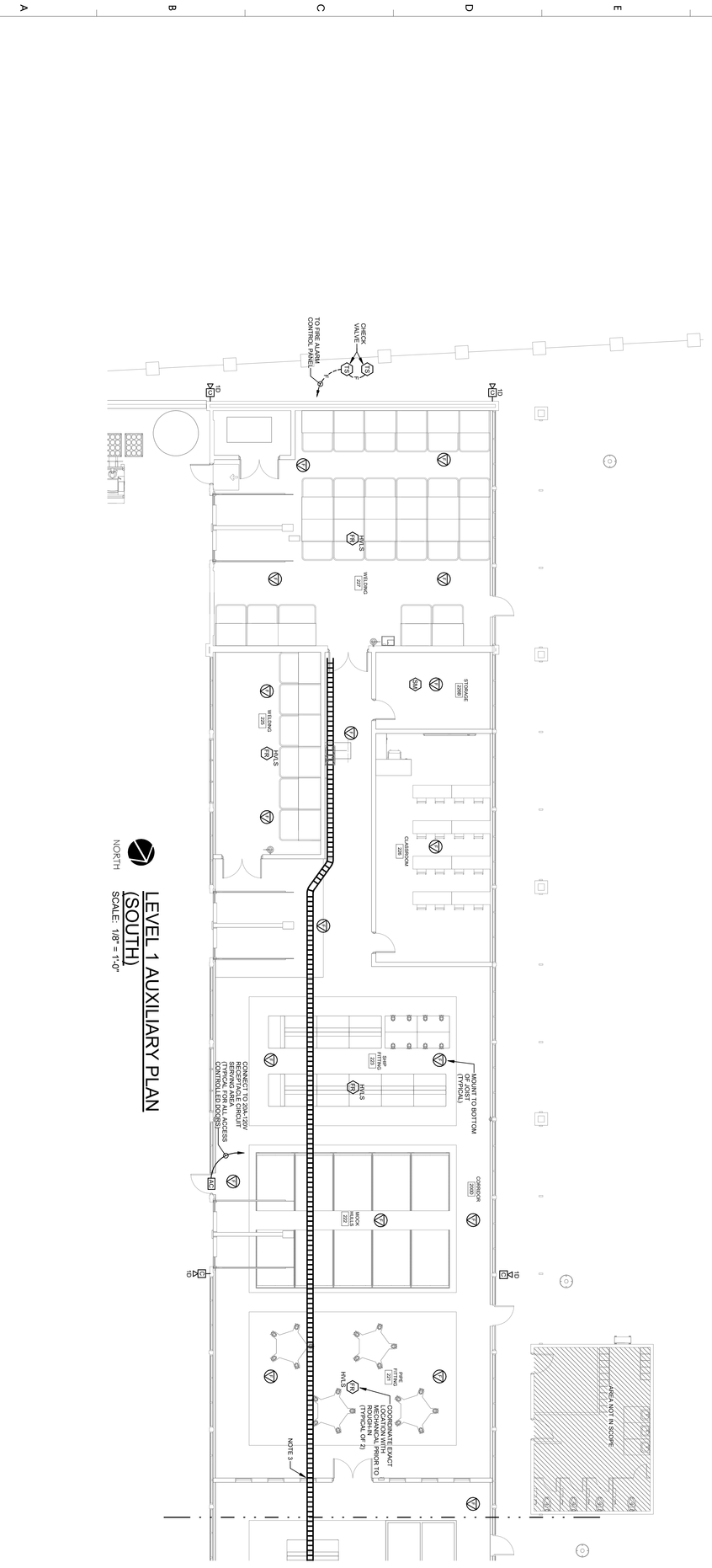
GMC AMOB260006

ISSUE	DATE
IFB SET	10/26/2026

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CHECKED BY: RCR

Goodwyn Mills Cawood, LLC
11 North Water Street, Suite 15250
Mobile, AL 36602
T 251.460.4006
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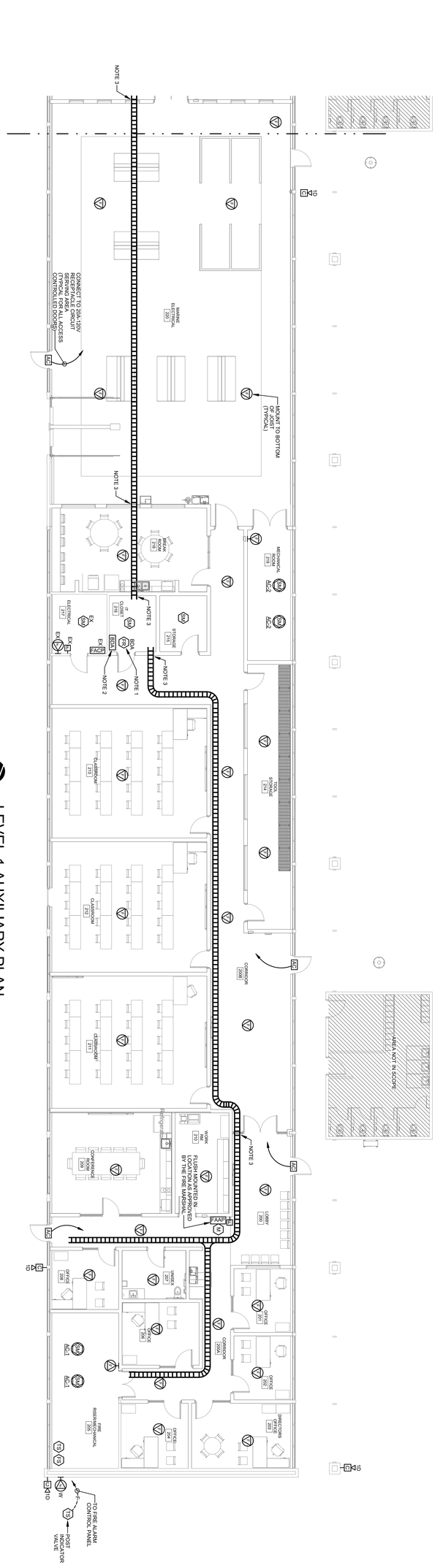
GMC



LEVEL 1 AUXILIARY PLAN (SOUTH)

NORTH

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



LEVEL 1 AUXILIARY PLAN (NORTH)

NORTH

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

NOTES THIS SHEET ONLY

1. QUANTITY OF RELAYS AS REQUIRED TO SUPERVISE EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM. REFER TO EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM RISER DIAGRAM. PROVIDE 6EVK-2151 ONLY IF REQUIRED AND ALL ASSOCIATED COSTS SHALL BE INCLUDED IN A NA ALLOWANCE. REFER TO ELECTRICAL NOTES AND ALLOWANCES SPECIFICATIONS.
2. REFERENCE REFER TO ELECTRICAL SPECIFICATIONS FOR EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM BI-DIRECTIONAL AMPLIFIER (IF REQUIRED).
3. WHERE CABLE TRAYS PASS THROUGH WALLS THE CABLE TRAYS THEMSELVES SHALL NOT PENETRATE THE WALL, BUT SHALL BE TERMINATED ON EITHER SIDE OF THE WALL. THE WALL SHALL BE PENETRATED WITH CONDUIT SLEEVES OF SUFFICIENT SIZE TO ACCOMMODATE ALL FIRE-RATED PATHWAYS (FOR FIRE RATED WALLS). BONDING JUMPERS SHALL BE PROVIDED THRU THE WALL TO ENSURE ELECTRICAL CONTINUITY OF CABLE TRAY SYSTEM.
4. THIS CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL AS REQUIRED TO INSPECT THE EXISTING LOBBY ANNUNCIATOR PANEL AND ASSOCIATED EQUIPMENT. THE EXISTING SYSTEM SHALL BE REPROGRAMMED TO INCLUDE NEW UL MASTER LABEL. ANY DEFICIENCIES IN THE SYSTEM SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS. EQUIPMENT SHALL BE PAID ON A "AS USED" ALLOWANCE. SYSTEM INSPECTION AND RE-CERTIFICATION SHALL BE INCLUDED IN THE BASE BID.

JACKSON, RENFRO & ASSOCIATES, INC.
ROBERT RENFRO, PE
TEL (251) 342-2114
(0) 205.536.7214
FAX (251) 342-2119
FAX FOR NO. 232309
P. O. BOX 1744 ■ 11 N. WATER ST. ■ SUITE 15290
MOBILE, ALABAMA 36633
11 INTERSTATE CENTER PKWY ■ SUITE 200 ■ BIRMINGHAM, AL ■ 35210

AUXILIARY PLAN

E4.01

BISHOP STATE COMMUNITY COLLEGE MARITIME TRAINING CENTER RENOVATION
925 DAUPHIN ISLAND PKWY,
MOBILE, AL 36605

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