

FALKVILLE SENIOR CENTER

MORGAN COUNTY COMMISSION / 262 E PIKE RD,
FALKVILLE, AL 35622

ISSUE FOR BID

GOODWYN MILLS CAWOOD, LLC | **ARCHITECTURE, INTERIORS, MECHANICAL, PLUMBING & ELECTRICAL ENGINEERING**

GMC

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ISSUE	DATE
ISSUE FOR BID	09.16.2026

DRAWN BY: DL
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FALKVILLE SENIOR CENTER
MORGAN COUNTY COMMISSION / 262 E
PIKE RD, FALKVILLE, AL 35622

GMC # AHUN240006

STATE OF ALABAMA
JEFFREY DANIEL PARNELL
9601
REGISTERED ARCHITECT
MADISON, ALABAMA

TITLE SHEET

T1

9/17/2026 11:03:44 AM TEMPLATE VERSION: 2022.1

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
OFOI	OWNER FURNISHED, OWNER 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

NORTH ARROW:
ARCHITECTURAL PLAN ORIENTATION
PLAN NORTH

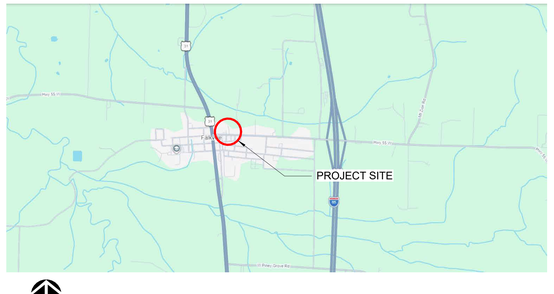
NORTH ARROW:
CIVIL ORIENTATION
TRUE NORTH

DRAWING INDEX

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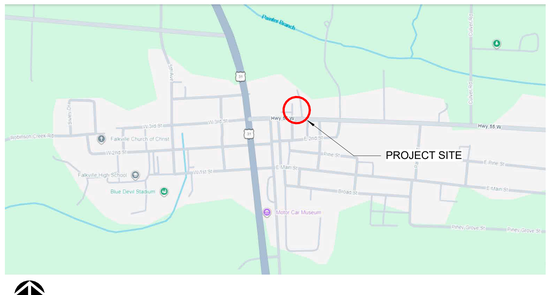
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VICINITY MAP



TRUE NORTH

LOCATION MAP



TRUE NORTH

GMC
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DRAWING INDEX AND GENERAL INFORMATION

G1.01

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GENERAL NOTES

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

A DIVISION 1 - GENERAL REQUIREMENTS

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

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

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

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

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

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

1.07. {PM SOFTWARE}

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

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

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

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

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

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

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

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

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

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

B DIVISION 2 - EXISTING CONDITIONS

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

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

C DIVISION 3 - CONCRETE

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

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

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

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

D DIVISION 4 - MASONRY

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

E DIVISION 5 - METALS

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

F DIVISION 6 - WOOD, PLASTICS & COMPOSITES

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

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

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

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

G DIVISION 7 - THERMAL & MOISTURE PROTECTION

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

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

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

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

H DIVISION 8 - OPENINGS

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

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

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

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

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

8.06 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
(A) FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIERS SHALL BE PERMANENTLY LABELED IN RED STENCILED LETTERING ABOVE FINISHED CEILING AT 1'-0" ABOVE CEILING.
1. EACH NEW FIRE WALL, FIRE BARRIER, FIRE PARTITION, SMOKE BARRIER, SMOKE PARTITION, OR ANY OTHER NEW WALL REQUIRED TO HAVE PROTECTED OPENINGS SHALL BE PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING ABOVE ANY DECORATIVE CEILING AND IN CONCEALED SPACES WITH THE WORDING, "FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS", OR SIMILAR LANGUAGE. SUCH SIGNS OR STENCILING SHALL BE IN 4 INCH HIGH LETTERS, 1/2 INCH STROKE, AND NOT MORE THAN 15 FEET ON-CENTER.

(B) UNLESS OTHERWISE REQUIRED OTHERWISE BY LOCAL JURISDICTION IDENITIFY RATED PARTITIONS AND WALLS AS FOLLOWS (G.C. MUST CONFIRM VERBIAGE WITH LOCAL AHJ) :
- 1-HOUR FIRE BARRIER - PROTECT ALL OPENINGS
- 1-HOUR FIRE & SMOKE BARRIER - PROTECT ALL OPENINGS
- 2-HOUR FIRE BARRIER - PROTECT ALL OPENINGS
- 2-HOUR FIRE & SMOKE BARRIER - PROTECT ALL OPENINGS
- 3-HOUR FIRE WALL - PROTECT ALL OPENINGS
- 4-HOUR FIRE WALL - PROTECT ALL OPENINGS

J DIVISION 10 - SPECIALTIES

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

K DIVISION 11 - EQUIPMENT

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

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

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

L DIVISION 12 - FURNISHINGS

12.01. 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

N 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.

O 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.

P DIVISION 26 - ELECTRICAL

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

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

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

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

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ISSUE	DATE
ISSUE FOR BID	09.16.2026

DRAWN BY: DL
CHECKED BY: JDP

STATE OF ALABAMA
JEFFREY DANIEL PARNELL
9601
MADISON, ALABAMA
REGISTERED ARCHITECT

FALKVILLE SENIOR CENTER
MORGAN COUNTY COMMISSION / 262 E PIKE RD, FALKVILLE, AL 35622

GMC # AHUN240006

GENERAL NOTES

G1.02

9/17/2026 11:03:46 AM TEMPLATE VERSION: 2022.1

ACCESSIBLE ELEMENTS NOTES

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

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

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

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

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

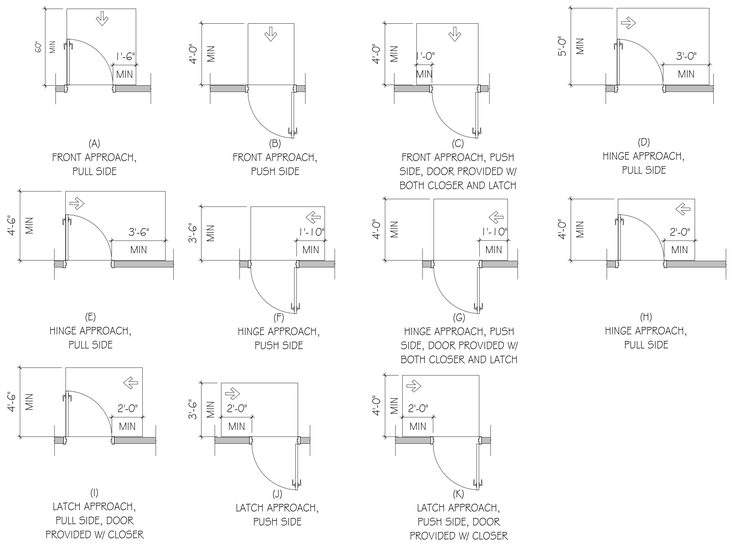
06. ELECTRICAL DEVICES: SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED MOUNTING HEIGHT OF ELECTRICAL DEVICES AND FIXTURES. SHOULD CONFLICT EXIST BETWEEN MOUNTING HEIGHTS INDICATED HEREIN AND THE REQUIREMENTS OF THE ELECTRICAL ENGINEER, THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR CLARIFICATIONPRIOR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

ABBREVIATIONS AND ACRONYMS

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

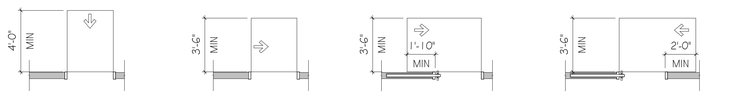
DOOR AND GATE MANEUVERING CLEARANCES

404.2.4.1 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES



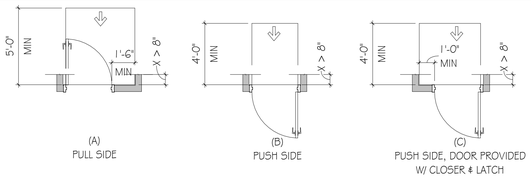
(A) FRONT APPROACH, PULL SIDE
(B) FRONT APPROACH, PUSH SIDE
(C) FRONT APPROACH, PUSH SIDE, DOOR PROVIDED W/ BOTH CLOSER AND LATCH
(D) HINGE APPROACH, PULL SIDE
(E) HINGE APPROACH, PULL SIDE
(F) HINGE APPROACH, PUSH SIDE
(G) HINGE APPROACH, PUSH SIDE, DOOR PROVIDED W/ BOTH CLOSER AND LATCH
(H) HINGE APPROACH,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

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



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

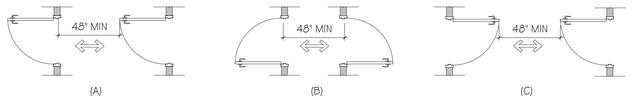
404.2.4.3 RECESSED DOORS AND GATES



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

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

404.2.4.6 DOORS IN SERIES AND GATES IN SERIES



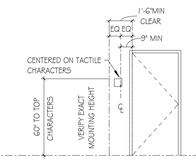
(A) (B) (C)

ACCESSIBLE PLUMBING ELEMENTS AND FACILITIES - ELEVATION VIEW

SEE G1.12 FOR PLAN DETAILS

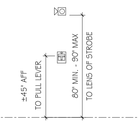
IMPORTANT NOTE: ALL HEIGHTS GIVEN BELOW ARE FROM FACE OF FLOOR FINISH (NOT FROM FINISH SLAB)

ADA INTERIOR SIGNAGE



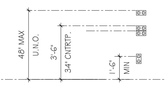
LATCH SIDE OR NEAREST ADJACENT WALL

FIRE ALARM W/ STROBE



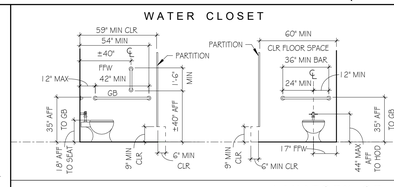
IF CEILING DOES NOT PERMIT 80" VERIFY HEIGHT W / ARCH

ELECTRICAL DEVICES

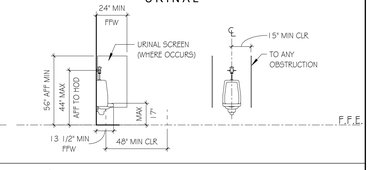


*NOTE: ROTATE ELECTRICAL COVER PLATES HORIZONTAL IF COUNTERTOP IS ABOVE 42" HIGH

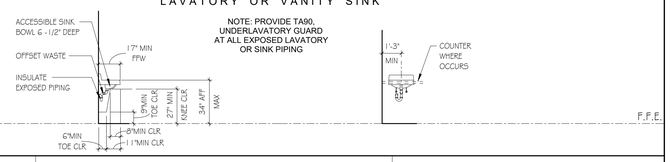
WATER CLOSET



URINAL

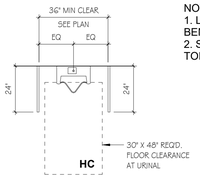


LAVATORY OR VANITY SINK

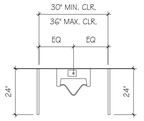


ACCESSIBLE PLUMBING LAYOUTS - ADAAG / ANSI

ACCESSIBLE TOILET STALL OR COMPARTMENT LAYOUTS

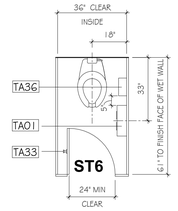


ACCESSIBLE URINAL STALL
PLAN DESIGNATION ST8

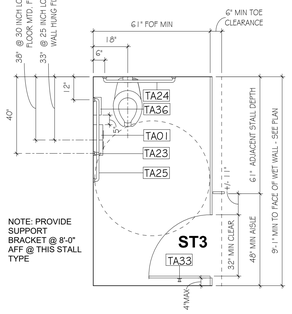


STANDARD URINAL STALL
PLAN DESIGNATION ST7

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



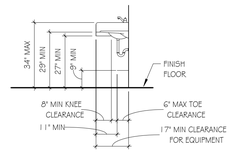
STANDARD TOILET STALL
PLAN DESIGNATION **ST6**



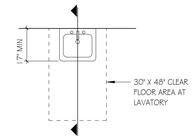
NOTE: PROVIDE SUPPORT BRACKET @ 8'-0" AFF @ THIS STALL TYPE

WHEELCHAIR ACCESS. STALL - END OF ROW
PLAN DESIGNATION **ST3**

ACCESSIBLE LAVATORIES

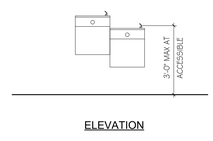


SECTION
LAVATORY CLEARANCES

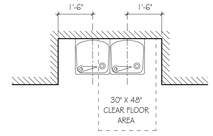


PLAN

ACCESSIBLE LAVATORY
FRONT APPROACH



ELEVATION

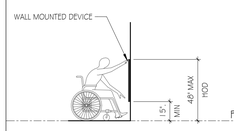


PLAN

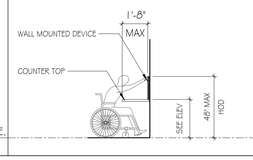
FOUNTAIN / COOLER - HI-LO

TYPICAL REACH RANGES

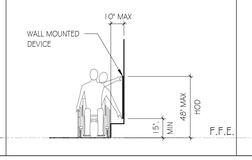
UNOBSTRUCTED FORWARD REACH



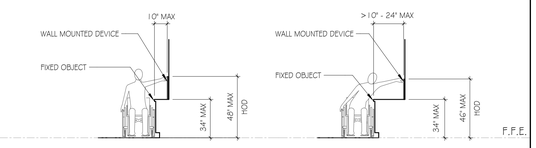
OBSTRUCTED HIGH FORWARD REACH



UNOBSTRUCTED SIDE REACH

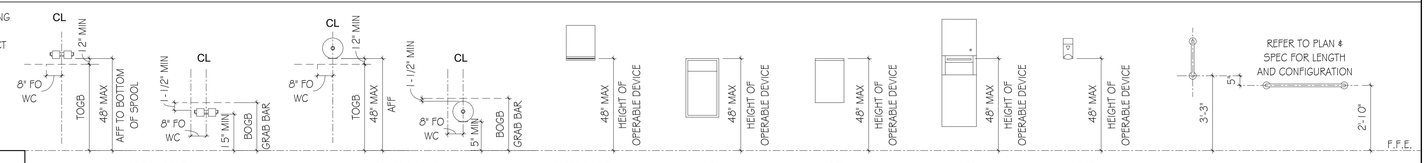


OBSTRUCTED HIGH SIDE REACH

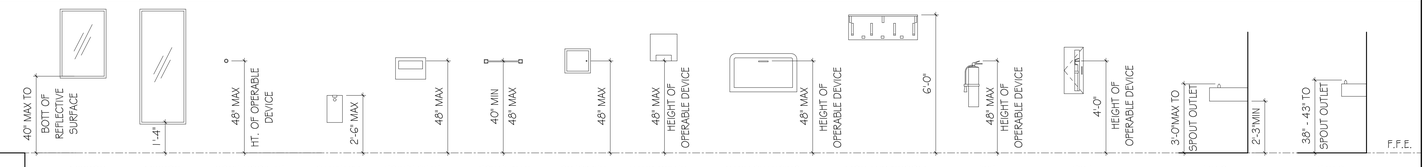


TYPICAL ACCESSIBLE MOUNTING HEIGHTS

VERIFY EXACT MOUNTING HEIGHT OF SUBMITTED DEVICE WITH ARCHITECT



TOILET ACCESSORY TYPE	TOILET TISSUE HOLDER	TOILET TISSUE DISPENSER	PAPER TOWEL DISPENSER	WASTE RECEPTACLE	WASTE RECEPTACLE	WASTE RECEPTACLE	SOAP DISPENSER	GRAB BAR VERTICAL	GRAB BAR HORIZONTAL NOTE: TOP OF GRAB BAR MAY BE 36" WHERE USED WITH TANK TOILETS
DRAWING DESIGNATION	TA01 TA50	TA02	TA03 TA04 TA05 TA06 TA07 TA08 TA09 TA10	TA11 RECESSED	TA12 TA13 SURFACE MOUNTED	TA14 TA15 TA16 RECESSED	TA17 TA18	18" TA23 or TA74	18" TA23 or TA74 36" TA24 or TA65 or TA75 42" TA25 or TA66 or TA76 48" TA26



TOILET ACCESSORY TYPE	MIRROR ADA	MIRROR FULL LENGTH	ROBE HOOK AT ACCESSIBLE LOCATIONS (SEE ELEVATIONS FOR STANDARD HOOK HT)	SANITARY NAPKIN DISPOSAL	TOILET SEAT COVER DISPENSER	TOWEL BAR OR TOILETRY SHELF	SPECIMEN PASS-THRU CABINET	HAND DRYER	BABY CHANGING STATION	MOP AND BROOM HOLDER	FIRE EXTINGUISHER	FIRE EXTINGUISHER CABINET	E.W.C. (ACCESSIBLE)	E.W.C. (STANDARD)
DRAWING DESIGNATION	TA30 TA31 TA77	TA32	TA33	TA36	TA38	TA53 T.B. TA54 T.S.	TA60	TA80	TA85	TA95	FE	FEC		

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GMCNETWORK.COM

ISSUE DATE
ISSUE FOR BID 09.16.2026
DRAWN BY: DL
CHECKED BY: JDP

FALKVILLE SENIOR CENTER
MORGAN COUNTY COMMISSION / 262 E PIKE RD, FALKVILLE, AL 35622

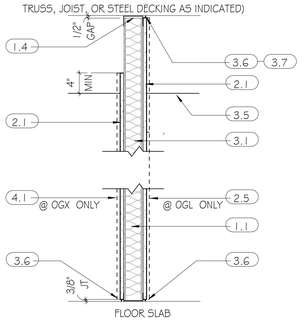
GMC # AHUN240006

STATE OF ALABAMA
JEFFREY DANIEL PARNELL
9601
REGISTERED ARCHITECT

ACCESSIBILITY DATA & PLUMBING LAYOUTS

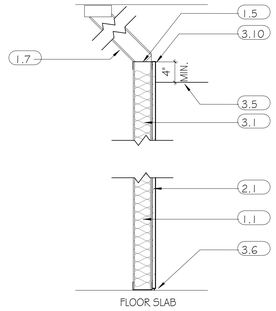
G1.11

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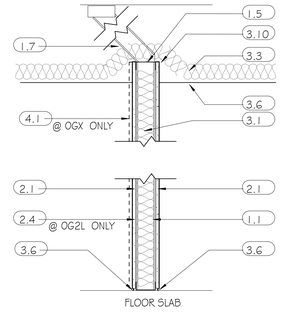
OG	0 HR. - GYPSUM
OG5	0 HR. - GYPSUM - SMOKE RESISTIVE
OGX	0 HR. - GYPSUM - XTRA LAYER GYP ONE SIDE
OGL	0 HR. - GYPSUM - LEAD LINED

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



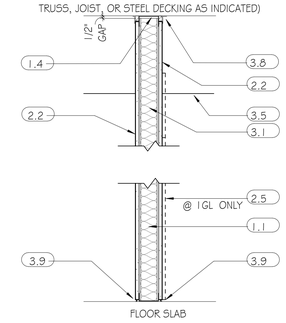
OG1	0 HR. - GYPSUM - 1 SIDED

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



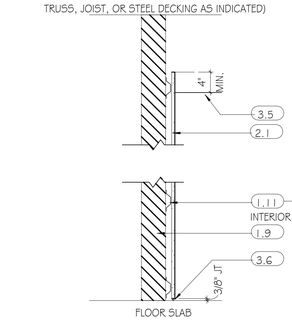
OG2	0 HR. - GYPSUM - 2 SIDED
OG2L	0 HR. - GYPSUM - 2 SIDED - LEAD LINED
OG2X	0 HR. - GYPSUM - 2 SIDED - XTRA LAYER GYP ONE SIDE

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



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

DRAWING MARK	DESCRIPTION	U.L. #	U465
		STC	49



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

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

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. UL LISTED ASSEMBLIES
   A. WHERE UL ASSEMBLY NUMBERS ARE REFERENCED ABOVE, PARTITIONS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH REQUIREMENTS SET FORTH BY THE UL FIRE RESISTANCE DIRECTORY. SEE UL ASSEMBLY DRAWINGS (BEGINNING WITH DRAWING G1.23) FOR DETAILED UL ASSEMBLY REQUIREMENTS. NO DEVIATION SHALL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL BY THE ARCHITECT.

2. FIRE BARRIERS, FIRE PARTITIONS, & SMOKE BARRIERS (FIRE-RATED)
   A. ALL PERIMETER JOINTS MUST BE PROTECTED BY UL LISTED FIRE-RESISTANT JOINT SYSTEMS.
   B. ALL PENETRATIONS OF RATED ASSEMBLIES MUST BE PROTECTED BY UL LISTED THROUGH-PENETRATION FIRESTOPPING ASSEMBLIES.
   C. FIRE DAMPERS MUST PROTECT HVAC DUCT PENETRATIONS.
   D. IDENTIFY FIRE WALLS, SMOKE BARRIERS, ETC., IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR ATTIC SPACES, WITH STENCILED LETTERING IN COMPLIANCE WITH GENERAL NOTE 9.08 FIRE-RATED PARTITIONS AND FIRE-RATED SMOKE BARRIER IDENTIFICATION ON DRAWING G1.02, GENERAL NOTES.

3. SMOKE PARTITIONS (NON-RATED)
   A. ALL SMOKE PARTITIONS SHALL BE CONSTRUCTED SO AS TO RESIST THE PASSAGE OF SMOKE AND SHALL MEET THE CONTINUITY REQUIREMENTS DEFINED BY IBC 710.4
   B. ALL PERIMETER JOINTS MUST BE SEALED WITH AIRTIGHT SEALANT APPLICATION.
   C. ALL PIPING, ELECTRICAL, AND DUCT PENETRATIONS MUST BE SEALED WITH AIRTIGHT SEALANT APPLICATION.

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

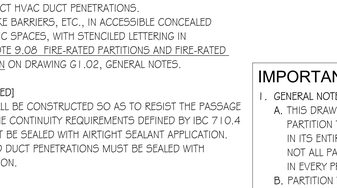
5. ACOUSTICAL SEALANT
   A. AT ALL GYP BOARD AND METAL STUD PARTITIONS: REQUIRED AT BOTTOM AND TOP RUNNERS AND AT WALL ANGLES WHERE DISSIMILAR MATERIALS MEET (SEE DETAILS).
   B. AT SCHEDULED ACOUSTIC PARTITIONS: AIRTIGHT SEAL IS REQUIRED AT ALL PENETRATIONS.
   C. ELECTRICAL AND OTHER BOXES TO BE WRAP-SEALED (SEE DETAILS).

6. PARTITION COORDINATION WITH OTHER TRADES
   A. GENERAL CONTRACTOR AND SUBCONTRACTORS MUST COMPLY WITH GENERAL NOTE 9.07, PARTITION COORDINATION WITH OTHER TRADES ON DRAWING G1.02, GENERAL NOTES.

IMPORTANT NOTE

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

PARTITION KEY



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

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

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

GMC

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ISSUE | DATE
ISSUE FOR BID | 09.16.2026

DRAWN BY: DL
CHECKED BY: JDP

FALKVILLE SENIOR CENTER
MORGAN COUNTY COMMISSION / 262 E PIKE RD, FALKVILLE, AL 35622

GMC # AHUN240006

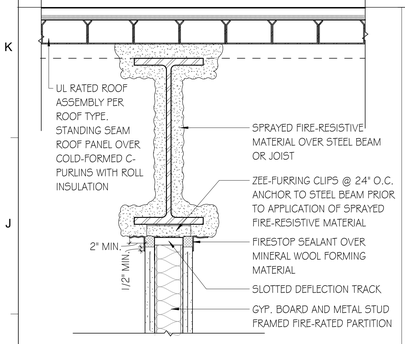
STATE OF ALABAMA
JEFFREY DANIEL PARRELL
9601
REGISTERED ARCHITECT
HUNTSVILLE, ALABAMA

PARTITION TYPES

G1.21

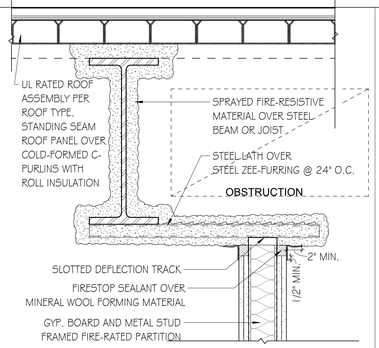
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HEAD OF WALL FIRESTOPPING



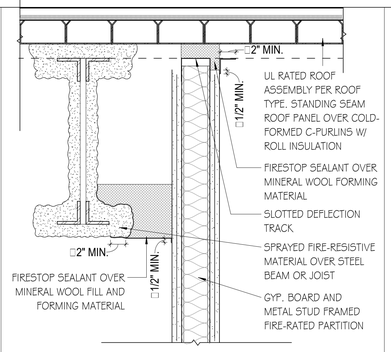
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H1 WALL PARALLEL TO BEAM C/L
SCALE: 1 1/2" = 1'-0"



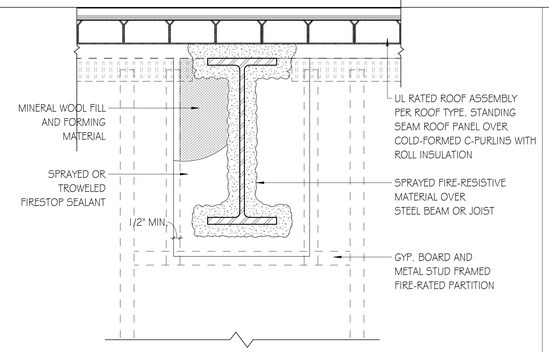
(1 & 2 HOUR, 1 1/2" WIDTH, 50% MOVEMENT)

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



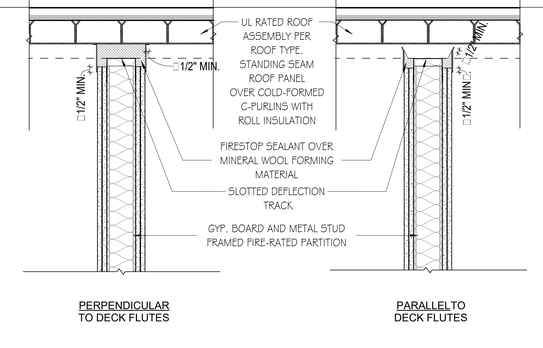
(1 & 2 HOUR, 1 1/2" WIDTH, 50% MOVEMENT)

H5 WALL OFFSET @ STL. STRUCT.
SCALE: 1 1/2" = 1'-0"



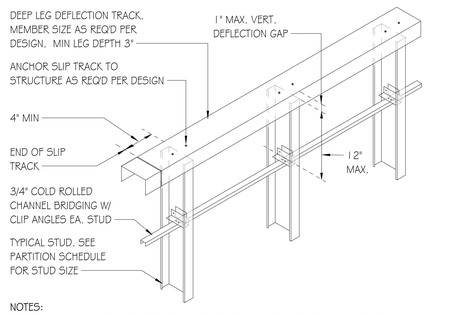
(1 & 2 HOUR, 1" WIDTH, 25% MOVEMENT)

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



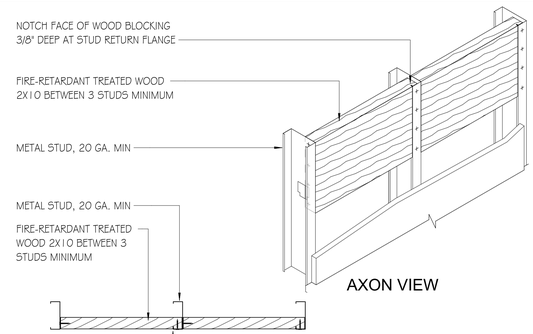
(1 & 2 HOUR, 1" WIDTH, 50% MOVEMENT) (1 & 2 HOUR, 1" WIDTH, 50% MOVEMENT)

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



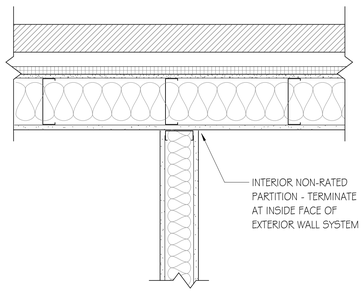
NOTES:
1. COMPLY WITH SPECIFICATION SECTION 092216 - NON-STRUCTURAL METAL FRAMING.
2. PROVIDE 3/4" CR CHANNEL BRIDGING AT 12" MAX. FROM TOP OF WALL.
3. PROVIDE ADDITIONAL 3/4" CR CHANNEL BRIDGING AT 48" OC VERT AT FULL HEIGHT ONE-SIDED PARTITIONS (GYP BOARD ONE SIDE ONLY), OR AS REQ'D PER DESIGN.

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

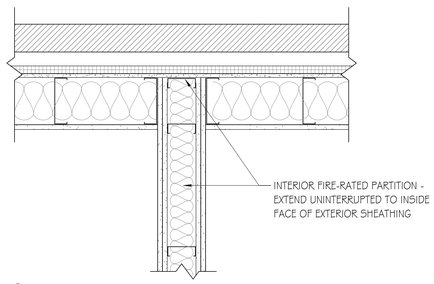


E10 BLOCKING DETAIL
SCALE: 1 1/2" = 1'-0"

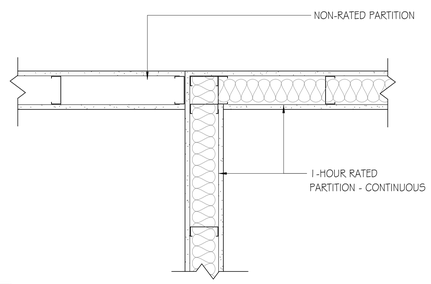
WALL PRIORITY DIAGRAMS



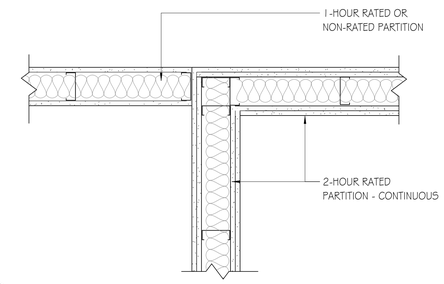
C1 NON-RATED PARTITION @ EXT. WALL
SCALE: 1 1/2" = 1'-0"



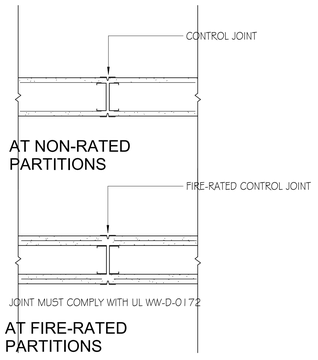
C4 RATED PARTITION @ EXT. WALL
SCALE: 1 1/2" = 1'-0"



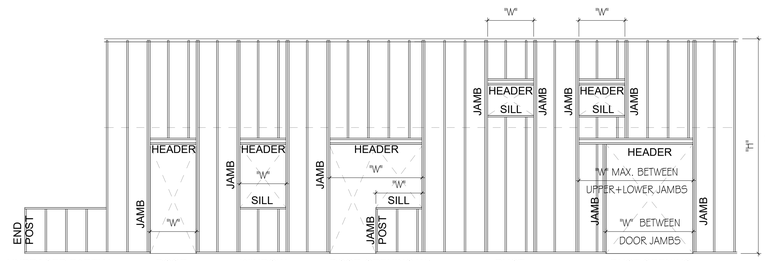
C7 PARTITION INTERSECTION 1
SCALE: 1 1/2" = 1'-0"



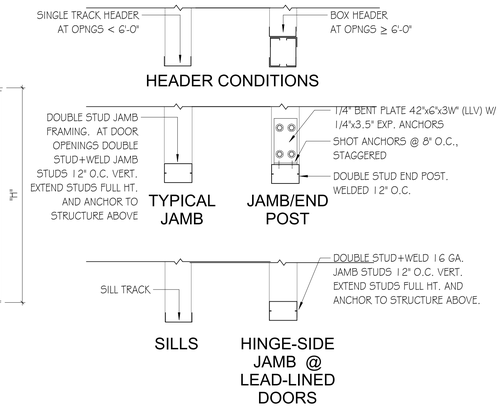
C10 PARTITION INTERSECTION 2
SCALE: 1 1/2" = 1'-0"



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



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



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

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

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

GMC
Goodwyn Mills Cawood, LLC
117 Jefferson Street North
Huntsville, AL 35801
T 256.539.3431
GMCNETWORK.COM

ISSUE | DATE
ISSUE FOR BID | 09.16.2026

DRAWN BY: DL
CHECKED BY: JDP

FALKVILLE SENIOR CENTER
MORGAN COUNTY COMMISSION / 262 E
PIKE RD, FALKVILLE, AL 35622

GMC # AHUN240006

STATE OF ALABAMA
JEFFREY DANIEL PARRELL
9601
REGISTERED ARCHITECT
MADISON, ALABAMA

PARTITION DETAILS

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9/17/2026 11:03:48 AM TEMPLATE VERSION: 2022.1

UL Product iQ™

BXUV.U454

Design/System/Construction/Assembly Usage Disclaimer

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

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

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

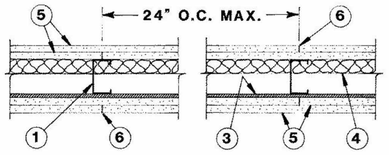
See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States
Design Criteria and Allowable Variances

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

Design No. U454

May 28, 2020

Nonbearing Wall Rating — 2 HR.



HORIZONTAL SECTION

1. **Studs —** Channel-shaped min 2-1/2 in. wide by 1-1/4 in. deep with 5/16 in. folded back return flange legs. Fabricated from No. 25 MSG galv steel. Max stud spacing 24 in. OC. Studs to be cut 1 in. less than assembly height.

1A. **Framing Members* — Steel Studs —** Not Shown - In lieu of Item 1 — For use with Item 2A, proprietary channel shaped steel studs, 1-1/4 in. deep by min 2-1/2 in. wide fabricated from min 0.018 in. thick galv steel. Studs cut 1 in. less in length than assembly height. Max stud spacing 24 in. OC.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™

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

FUSION BUILDING PRODUCTS — Viper20™

IMPERIAL MANUFACTURING GROUP INC — Viper20™

1B. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 1 — For use with Item 2B, channel shaped steel studs, 1-1/4 in. deep by min 2-1/2 in. wide fabricated from min 0.018 in. thick galv steel. Studs cut 1 in. less in length than assembly height. Max stud spacing 24 in. OC.
CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C — ProSTUD

MBA METAL FRAMING — ProSTUD

RAM SALES L L C — Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProSTUD

1C. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 1 — For use with Item 2C, proprietary channel shaped steel studs, 1-1/4 in. deep by min 2-1/2 in. wide fabricated from min 0.018 in. thick galv steel. Studs cut 1 in. less in length than assembly height. Max stud spacing 24 in. OC.
TELLING INDUSTRIES L L C — Viper20™

1D. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 1 — For use with Item 2D, channel shaped steel studs, 1-1/4 in. deep by min 2-1/2 in. wide fabricated from min 0.018 in. thick galv steel. Studs cut 1 in. less in length than assembly height. Max stud spacing 24 in. OC.
TELLING INDUSTRIES L L C — TRUE-STUD™

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

1F. **Framimg Members* — Steel Studs —** Not Shown — In lieu of item 1-For use with item 2E- proprietary channel shaped steel studs, min 2-1/2 in. wide by 1-1/4 in. deep. Fabricated from No. 25 MSG galv steel. Max stud spacing 24 in. OC. Studs to be cut 1 in. less than assembly height.
KIRII (HONG KONG) LTD — Type KIRII

1G. **Framing Members* — Steel Studs —** Not Shown — In lieu of Item 1 — For use with Item 2F, channel shaped steel studs, 1-1/4 in. deep by min 3-1/2 in. wide fabricated from min 0.018 in. thick galv steel. Studs cut 1 in. less in length than assembly height. Max stud spacing 24 in. OC.
RESCUE METAL FRAMING, L L C — AlphaSTUD

2. **Floor and Ceiling Runners — (Not Shown) —** Channel-shaped runners, 2-1/2 in. wide by 1-1/4 in. deep, fabricated from No. 25 MSG galv steel. Attached to floor and ceiling with fasteners, 24 in. OC, max.

2A. **Framing Members — Floor and Ceiling Runner* —** Not Shown — In lieu of Item 2 — For use with Item 1A, proprietary channel shaped runners, 1-1/4 in. deep by min 2-1/2 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track

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

FUSION BUILDING PRODUCTS — Viper20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

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

DMFCWBS L L C — ProTRAK

MBA METAL FRAMING — ProTRAK

RAM SALES L L C — Ram ProTRAK

STEEL STRUCTURAL PRODUCTS L L C — Tri-S ProTRAK

2C. **Framing Members — Floor and Ceiling Runner* —** Not Shown — In lieu of Item 2 — For use with Item 1C, proprietary channel shaped runners, 1-1/4 in. deep by min 2-1/2 in. wide fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.
TELLING INDUSTRIES L L C — Viper20™ Track

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

2E. **Framing Members* — Floor and Ceiling Runners —** Not Shown — In lieu of Item 2 — For use with Item 1E- proprietary channel shaped runners, 2-1/2 in. wide by 1-1/4 in. deep, fabricated from No. 25 MSG galv steel. Attached to floor and ceiling with fasteners, 24 in. OC, max.
KIRII (HONG KONG) LTD — Type KIRII

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

3. **Furring Channel —** Resilient 25 MSG galv steel furring channels spaced vertically max 24 in. OC, flange portion attached to each intersecting stud with 1/2 in. long type S-12 pan head steel screws.

4. **Batts and Blankets* —** Min 1 in. thick mineral wool attached to base layer of gypsum board which is directly attached to steel studs. Fasten each batt with min 9/16 in. long staples. Use five staples for each 4 ft long piece. Drive one staple in the center of each piece and a staple at each corner, approx 3 in. from edges.
INDUSTRIAL INSULATION GROUP L L C — Type SAFB

JOHNS MANVILLE — Type SAFB

ROCKWOOL — Type AFB, min. density 1.8 pcf / 28.8 kg/m³

THERMAFIBER INC — Type SAFB, SAFB FF

5. **Gypsum Board —** 1/2 in. thick, 4 ft wide. Attached to furring channels, base layer with 1 in. type S steel screws spaced 24 in. OC, face layer with 1-5/8 in. Type S screws spaced 12 in. OC. Gypsum board on direct attached side, base layer attached with 1 in. long type S-12 steel screws 24 in. OC, face layer attached with 1-5/8 in. type S-12 steel screws spaced 12 in. OC. Gypsum board joints oriented vertically, located over studs and offset between layers.
AMERICAN GYPSUM CO — Types AG-C.

CABOT MANUFACTURING ULC — Type C

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Type C.

CGC INC — Type C, IP-X2, IPC-AR or WRC.

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

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

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

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

PANEL REY S A — Type PRC

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

THAI GYPSUM PRODUCTS PCL — Type C.

UNITED STATES GYPSUM CO — Type C, IP-X2, IPC-AR or WRC.

USG BORAL DRYWALL SFZ LLC — Type C

USG MEXICO S A DE C V — Type C, IP-X2, IPC-AR or WRC.

5A. **Gypsum Board* —** (As an alternate to Item 5) — 5/8 in. thick, 4 ft wide. Attached to furring channels and steel studs as described in Item 5.
CGC INC — Type AR, IP-AR or SCX.

GEORGIA-PACIFIC GYPSUM L L C — Types DAP, DD, DA, DGG, DS, LS, Type X, Veneer Plaster Base - Type X, Water Rated - Type X, Sheathing - Type X, Soffit - Type X, Type LWX, Water Rated-Type LWX, Sheathing Type-LWX, Soffit-Type LWX, Type DGLW, Water Rated-Type DGLW, Sheathing Type- DGLW, Soffit-Type DGLW, Type LW2X, Veneer Plaster Base - Type LW2X, Water Rated - Type LW2X, Sheathing - Type LW2X, Soffit - Type LW2X, Type DGL2W, Water Rated - Type DGL2W, Sheathing - Type DGL2W.

NATIONAL GYPSUM CO — Type FSMR-C.

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

UNITED STATES GYPSUM CO — Type AR, IP-AR, SCX or ULIX.

USG BORAL DRYWALL SFZ LLC — Type SCX

USG MEXICO S A DE C V — Type AR, IP-AR or SCX.

5B. **Gypsum Board* —** (As an alternate to Item 5) — Nom 3/4 in. thick, 4 ft wide, installed as described in Item 5 with screw length increased to 1-1/4 in. for base layer and 2-1/4 in. for face layer.
CGC INC — Types AR, IP-AR.

UNITED STATES GYPSUM CO — Types AR, IP-AR.

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

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

UNITED STATES GYPSUM CO — Type ULX

USG MEXICO S A DE C V — Type ULX

6. **Joint Tape and Compound —** Vinyl, dry or premixed joint compound, applied to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced.

7. **Caulking and Sealants* —** (Optional, Not Shown) — A bead of acoustical sealant applied around the partition perimeter for sound control.
UNITED STATES GYPSUM CO — Type AS.

6. **Barrier Mesh —** (Optional, Not Shown) - Attached to steel studs on one or both sides of the wall using Barrier Mesh Clips spaced at maximum 12 inches on center vertically, using a flat head type screw penetrating through the steel at least 3/8 of an inch. For Steel Studs less than 0.033 inches in thickness, use self-piercing screws. For Steel Studs equal to or greater than 0.033 inches in thickness, use steel drill screws (self-tapping), Gypsum Board (Item 5) to be installed directly over the Barrier Mesh using prescribed screw patterns with lengths increased by a minimum 1/8 in. Barrier Mesh may be installed with the long dimension of the diamond pattern positioned vertically or horizontally. Barrier Mesh joints may occur as butt joints at the framing members and secured using the Barrier Mesh Clips or occur in between framing members as overlapping joints secured using 18 SWG wire ties spaced a maximum 12 in. on center.
CLARKDIETRICH BUILDING SYSTEMS — Barrier Mesh, Barrier Mesh Clips

Last Updated on 2020-05-28

1 **UL DESIGN U454**
SCALE: 3" = 1'-0"

UL Product iQ™

BXUV.U905

Design/System/Construction/Assembly Usage Disclaimer

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

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

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

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

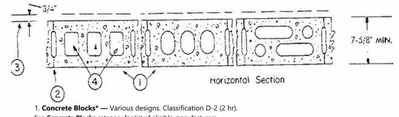
See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada
Design Criteria and Allowable Variances

Design No. U905

March 02, 2020

Bearing Wall Rating — 2 HR.

Nonbearing Wall Rating — 2 HR



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

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

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

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

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

CARLISLE COATINGS & WATERPROOFING INC — Type R2+ SHEATHE

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

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

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

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

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

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

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

Last Updated on 2020-03-02

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

GMC
Goodwyn Mills Cawood, LLC
117 Jefferson Street North
Huntsville, AL 35801
T 256.539.3431
GMCNETWORK.COM

ISSUE	DATE
ISSUE FOR BID	09.16.2026

DRAWN BY: DL
CHECKED BY: JDP

FALKVILLE SENIOR CENTER
MORGAN COUNTY COMMISSION / 262 E PIKE RD, FALKVILLE, AL 35622

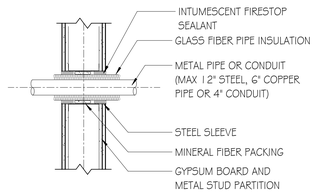
GMC # AHUN240006

STATE OF ALABAMA
JEFFREY DANIEL PARNELL
9601
REGISTERED ARCHITECT

UL ASSEMBLY U454 + U905

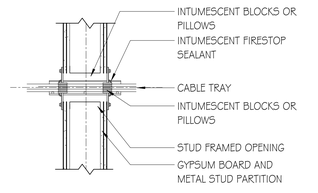
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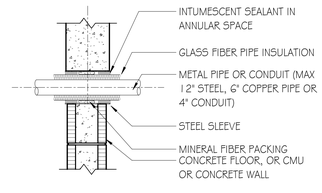
INSULATED METAL PIPE THRU GYPSUM PARTITION

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



CABLE TRAY THRU GYPSUM PARTITION

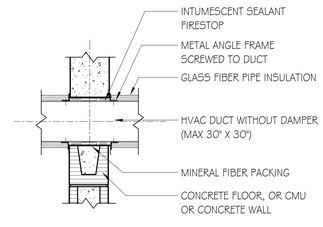
A	W-L-4011
B	W-L-4037
C	W-L-4008



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

INSULATED METAL PIPE THRU CMU / CONC WALL OR FLOOR

A	C-AJ-5096
B	C-AJ-5024
C	C-AJ-5087



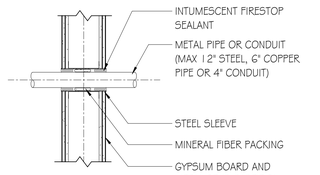
NOTE: FIRESTOP BOTH SIDES AT WALLS; FIRESTOP TOP SIDE AT FLOORS

INSULATED HVAC DUCT THRU CMU / CONC WALL OR FLOOR

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

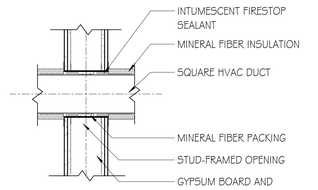
NOT USED

A	
B	
C	



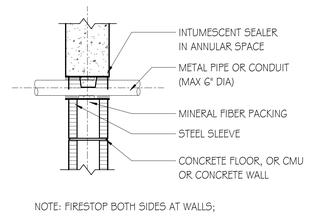
SINGLE UNINSULATED METAL PIPE THRU GYPSUM BOARD PARTITION

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



INSULATED HVAC DUCT THRU GYPSUM BOARD PARTITION

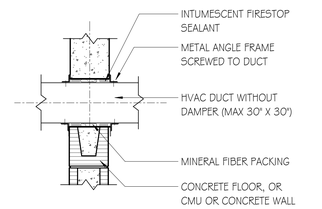
A	W-L-7059
B	W-L-7195
C	W-L-7178



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

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

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



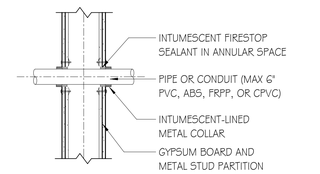
NOTE: FIRESTOP BOTH SIDES AT WALLS; FIRESTOP TOP SIDE AT FLOORS

UNINSULATED HVAC DUCT THRU CONC FLOOR / WALL OR CMU WALL

A	C-AJ-1711
B	C-AJ-7016
C	C-AJ-7027

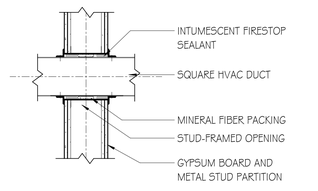
NOT USED

A	
B	
C	



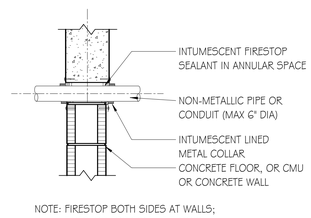
SINGLE NONMETALLIC PIPE THRU GYPSUM BOARD PARTITION

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



UNINSULATED HVAC DUCT THRU GYPSUM BOARD PARTITION

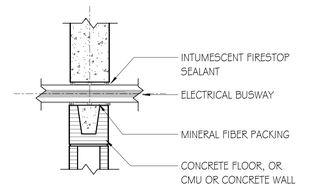
A	W-L-7155
B	W-J-7169
C	W-L-7056



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

SINGLE NONMETALLIC PIPE THRU CONC FLOOR / WALL OR CMU WALL

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



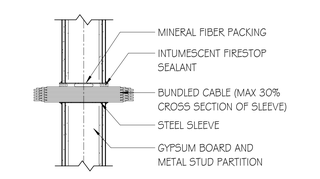
NOTE: FIRESTOP BOTH SIDES AT WALLS; FIRESTOP TOP SIDE AT FLOORS

BUSWAY THRU CONC FLOOR / WALL OR CMU WALL

A	C-AJ-6017
B	C-AJ-6002
C	C-AJ-6008

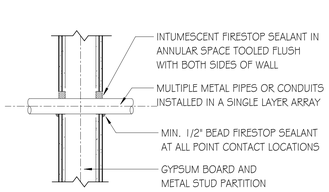
NOT USED

A	
B	
C	



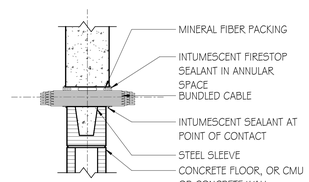
SINGLE OR BUNDLED CABLE THRU GYPSUM BOARD PARTITION

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



MULTIPLE PENETRATIONS THRU GYPSUM BOARD PARTITION

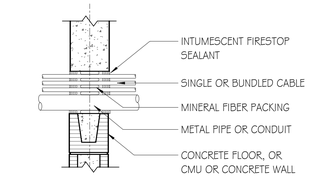
A	W-L-1389
B	W-L-13--
C	W-L-1168



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

BUNDLED CABLE THRU CONC FLOOR / WALL OR CMU WALL

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

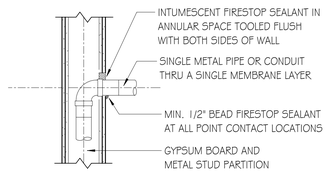


MULTIPLE PENETRATIONS THRU CONC FLOOR / WALL OR CMU WALL

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

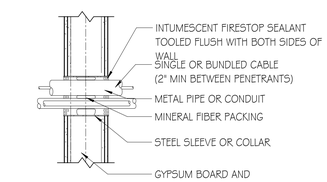
NOT USED

A	
B	
C	



MEMBRANE PENETRATIONS THRU GYPSUM BOARD PARTITION

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



MULTIPLE PENETRATIONS THRU GYPSUM BOARD PARTITION

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

NOT USED

A	
B	
C	

NOT USED

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

NOT USED

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

GENERAL THRU-PENETRATION NOTES

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

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

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

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

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

PRODUCT / MANUFACTURER LEGEND

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

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

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

KEY TO MANUFACTURERS

A	HILTI
B	3M
C	STI

GMC
Goodwyn Mills Cawood, LLC
117 Jefferson Street North
Huntsville, AL 35801
T 256.539.3431
GMCNETWORK.COM

ISSUE FOR BID — DATE 09.16.2026

DRAWN BY: DL
CHECKED BY: JDP

FALKVILLE SENIOR CENTER
MORGAN COUNTY COMMISSION / 262 E PIKE RD, FALKVILLE, AL 35622

GMC # AHUN240006

STATE OF ALABAMA
JEFFREY DANIEL PARRELL
9601
REGISTERED ARCHITECT

PENETRATION FIRESTOPPING SYSTEMS

G1.31

9/17/2026 11:03:50 AM TEMPLATE VERSION: 2022.1

OCCUPANT LOAD BY FLOOR AREA

ROOM NAME	ROOM NUMBER	ROOM/OCCUPANCY USE	SF/ PERSON	AREA	OCCUPANT LOAD
HALL / LOBBY	100	NON-SIMULTANEOUS OCCUPANCY	0	789 SF	0.00
COMMUNITY ROOM	101	ASSEMBLY W/O FIXED SEATS - UNCONCENTRATED, TABLES & CHAIRS	15	1309 SF	87.28
STORAGE	102	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	714 SF	2.38
SENIOR CENTER	103	ASSEMBLY W/O FIXED SEATS - UNCONCENTRATED, TABLES & CHAIRS	15	2640 SF	175.98
OFFICE	104	BUSINESS AREAS - IBC 2018	150	145 SF	0.97
BREAKOUT ROOM	105	BUSINESS AREAS - IBC 2018	150	324 SF	2.16
ACTIVITY CENTER	106	EXERCISE ROOMS	50	771 SF	15.42
HALL	107	NON-SIMULTANEOUS OCCUPANCY	0	201 SF	0.00
DATA	108	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	56 SF	0.19
JANITORIAL	109	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	63 SF	0.21
LAUNDRY	110	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	67 SF	0.22
VESTIBULE	111	NON-SIMULTANEOUS OCCUPANCY	0	60 SF	0.00
WOMENS RESTROOM	112	NON-SIMULTANEOUS OCCUPANCY	0	212 SF	0.00
MENS RESTROOM	113	NON-SIMULTANEOUS OCCUPANCY	0	176 SF	0.00
KITCHEN	114	KITCHENS - COMMERCIAL	200	564 SF	2.82
PANTRY	115	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	93 SF	0.31
MEP / STORAGE	116	ACCESSORY STORAGE, MECHANICAL EQUIP ROOM	300	305 SF	1.02
CIRCULATION	117	NON-SIMULTANEOUS OCCUPANCY	0	135 SF	0.00
				8624 SF	288.95

OVERALL BUILDING AREA

LEVEL	AREA (GROSS SQUARE FEET)
1	9,133 GSF
TOTAL	9,133 GSF

APPLICABLE CODES & REGULATIONS

2012	INTERNATIONAL BUILDING CODE (IBC)
2012	INTERNATIONAL FUEL GAS CODE (IFGC)
2012	INTERNATIONAL MECHANICAL CODE (IMC)
2012	INTERNATIONAL PLUMBING CODE (IPC)
2015	INTERNATIONAL FIRE CODE (IFC)
2014	NATIONAL ELECTRICAL CODE (NEC)
2012	INTERNATIONAL EXISTING BUILDING CODE (IEBC)
2006	ADMINISTRATIVE PROVISION
2012	INTERNATIONS PROPERTY MAINTENANCE CODE
2006	INTERNATIONAL CODE COUNCIL ELECTRICAL CODE
2015	INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2013	ANSI/ASHRAE/IESNA STANDARD 90.1
2010	STANDARDS FOR ACCESSIBLE DESIGN
ICC 500-2008	ICC/NSSA STANDARD FOR THE DESIGN AND CONSTRUCTION OF STORM SHELTERS

OCCUPANCY CLASSIFICATION — IBC CH 3

OCCUPANCY	PRIMARY : A-3 ASSEMBLY

CONSTRUCTION CLASSIFICATION — IBC CH 5

CONSTRUCTION TYPE	TYPE II-B - NON-SPRINKLED	
HEIGHT	ALLOWABLE: 55 FEET	ACTUAL: 20 FEET
# OF STORIES	ALLOWABLE: 2	ACTUAL: 1
HEIGHT MODIFICATIONS	[MODIFICATION CALCULATION IF NECESSARY]	
AREA PER FLOOR	ALLOWABLE: 9,500 SF/STORY	ACTUAL: LEVEL 1 - 9,133 SF GROSS

FIRE RESISTANCE - STRUCT. ELEMENTS — IBC CH 6

RESISTANCE REQUIRED BY IBC TYPE TABLE 601

CONSTRUCTION TYPE : II-B - NON-SPRINKLED

	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	TBD	UL #
BEARING WALLS			
EXTERIOR WALLS (RATING NOT LESS THAN CH 6 OR CH 7)	0 HR	N/A	UL #
INTERIOR WALLS	0 HR	N/A	UL #
NON BEARING WALLS AND PARTITIONS			
EXTERIOR WALLS (BASED ON FIRE SEPARATION DISTANCE PER CH 6)	0 HR	N/A	UL #
NON BEARING WALLS AND PARTITIONS			
INTERIOR WALLS (RATING NOT LESS THAN REQUIRED BY SECTIONS OTHER THAN SECTION 6)	0 HR	1 HR	UL U465
FLOOR CONSTRUCTION AND SECONDARY MEMBERS (PER CH 2)			
FLOOR CONSTRUCTION HAVING DIRECT CONNECTIONS TO THE COLUMNS	0 HR	N/A	UL #
ROOF CONSTRUCTION AND SECONDARY MEMBERS (PER CH 2)			
ROOF CONSTRUCTION HAVING DIRECT CONNECTIONS TO THE COLUMNS	0 HR	N/A	UL #

FIRE RESISTANCE - WALLS / PARTITIONS — IBC CH 7

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

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

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

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

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

FIRE RESISTANCE - WALLS & PARTITIONS — IBC CH 7

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

FIRE RESISTANCE - HORIZONTAL ASSEMBLIES

HORIZONTAL ASSEMBLIES	IBC	RESISTANCE PROVIDED RATING	RESISTANCE PROVIDED ACHIEVED BY
FLOOR/CEILING - STORM SHELTER	2 HR	2 HR	UL # D916

MEANS OF EGRESS

MAXIMUM ALLOWABLE	A-3 ASSEMBLY	
TRAVEL DISTANCE TO EXIT	200 FT	
COMMON PATH OF TRAVEL	75 FT	
DEAD END LENGTH	20 FT	
EGRESS OCCUPANTS (DESIGN LOAD)	LEVEL 1: CALCULATION VALUES ACCESSORY STORAGE : 1,298 SF / 300 — OCCUPANCY COUNT 4.33 ASSEMBLY W/O FIXED SEATS - UNCONCENTRATED, TABLES & CHAIRS : 3,949 SF / 15 — 263.27 BUSINESS : 469 SF /150 — 3.13 EXERCISE ROOMS: 771 SF / 50 — 15.42 KITCHENS - COMMERCIAL : 564 SF / 200 — 2.82 LEVEL 1 TOTAL OCCUPANTS = 288.97 OCCUPANTS	
EGRESS WIDTH	REQUIRED: 0.2" PER OCCUPANT X 352.74 OCCUPANTS = 70.55 "	PROVIDED: 208"

PLUMBING FIXTURE TABULATIONS

OCCUPANCY	OCCUPANT LOAD (ACTUAL)	ACTUAL LOAD CALCULATIONS: WC M	WC F	WC USX	LAV M	LAV F	LAV USX	BATH/ SHOWER	DRINKING FOUNTAINS	SVC SINKS
*A3 ASSEMBLY	263.27 131.635 EA M F	1.05	2.03	-	0.66	0.66	-	-	0.53	1
B BUSINESS & KITCHEN	5.95 # EA M F	0.12	0.12	-	0.07	0.07	-	-	0.06	1
S (STORAGE)	4.33 # EA M F	0.02	0.02	-	0.02	0.02	-	-	0.00	1
TOTAL REQUIRED		1.19	2.17	-	0.75	0.75	-	-	0.59	1
TOTAL PROVIDED		2	3	-	2	2	-	-	2	1

NOTE: PURSUANT TO ITEMS 3, 4, AND 5 OF THE 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. ACTUAL OCCUPANT LOADS USED FOR PLUMBING FIXTURE CALCULATIONS ARE DETERMINED SEPARATELY FOR EACH FUNCTIONAL SPACE (SPLIT OCCUPANCY) BASED ON ITS PRIMARY DAY-TO-DAY USE. 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.

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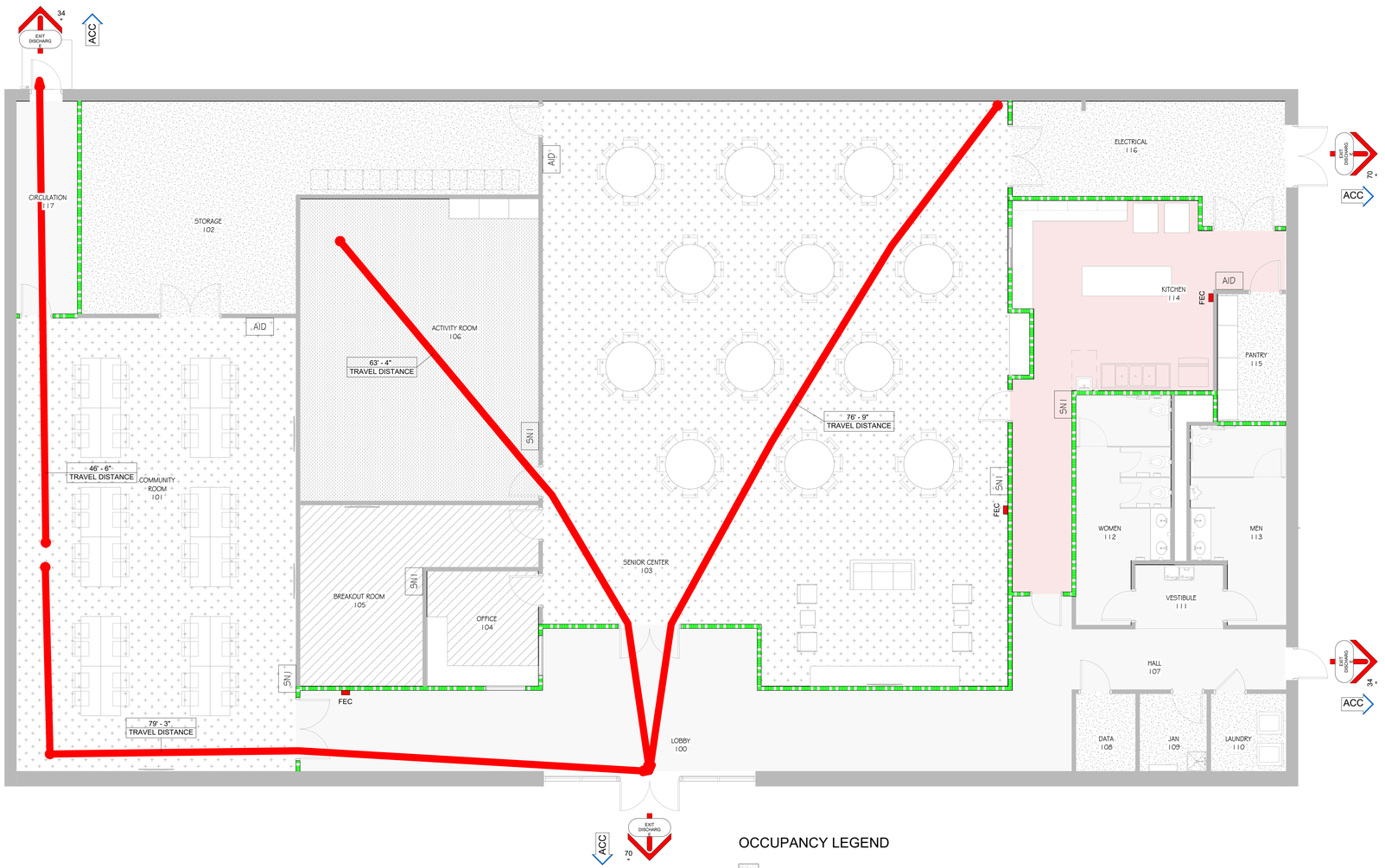
GMC # AHUN240006

STATE OF ALABAMA
JEFFREY DANIEL PARNELL
9601
REGISTERED ARCHITECT
DECATUR, ALABAMA

LIFE SAFETY - CODE ANALYSIS

G2.00

9/17/2026 11:03:50 AM TEMPLATE VERSION: 2022.1



PLAN NORTH TRUE NORTH

C2 LIFE SAFETY PLAN
SCALE: 3/16" = 1'-0"

OCCUPANCY LEGEND

- ACCESSORY STORAGE, MECHANICAL EQUIP ROOM
- ASSEMBLY W/O FIXED SEATS - UNCONCENTRATED, TABLES & CHAIRS
- BUSINESS AREAS - IBC 2018
- EXERCISE ROOMS
- KITCHENS - COMMERCIAL
- NON-SIMULTANEOUS OCCUPANCY

LIFE SAFETY SIGNAGE LEGEND

- 5N.1 — EMERGENCY EVACUATION MAP SIGNAGE
- 5N.2 — DOOR WITH MANUAL CLOSURE SIGNAGE
- 5N.3 — OCCUPANCY COUNT SIGNAGE
- AID — FIRST AID KIT

PLAN LEGEND

- FEC — FIRE EXTINGUISHER CABINET
- MGA — MED GAS ALARM PANEL
- ILLUMINATED EXIT SIGN
- 60" EXIT DISCHARGE — EXIT DISCHARGE W/ CLEAR EXIT WIDTH (EXIT AND EXIT ACCESS SYMBOLS SIMILAR)
- ACC — ADA ACCESSIBLE ROUTE
- DISTANCE OF TRAVEL
- 0 - HR SMOKE-RESISTIVE PARTITION
- 1 - HR SMOKE BARRIER
- 1 - HR FIRE BARRIER

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STATE OF ALABAMA
JEFFREY DANIEL PARNELL
9601
REGISTERED ARCHITECT

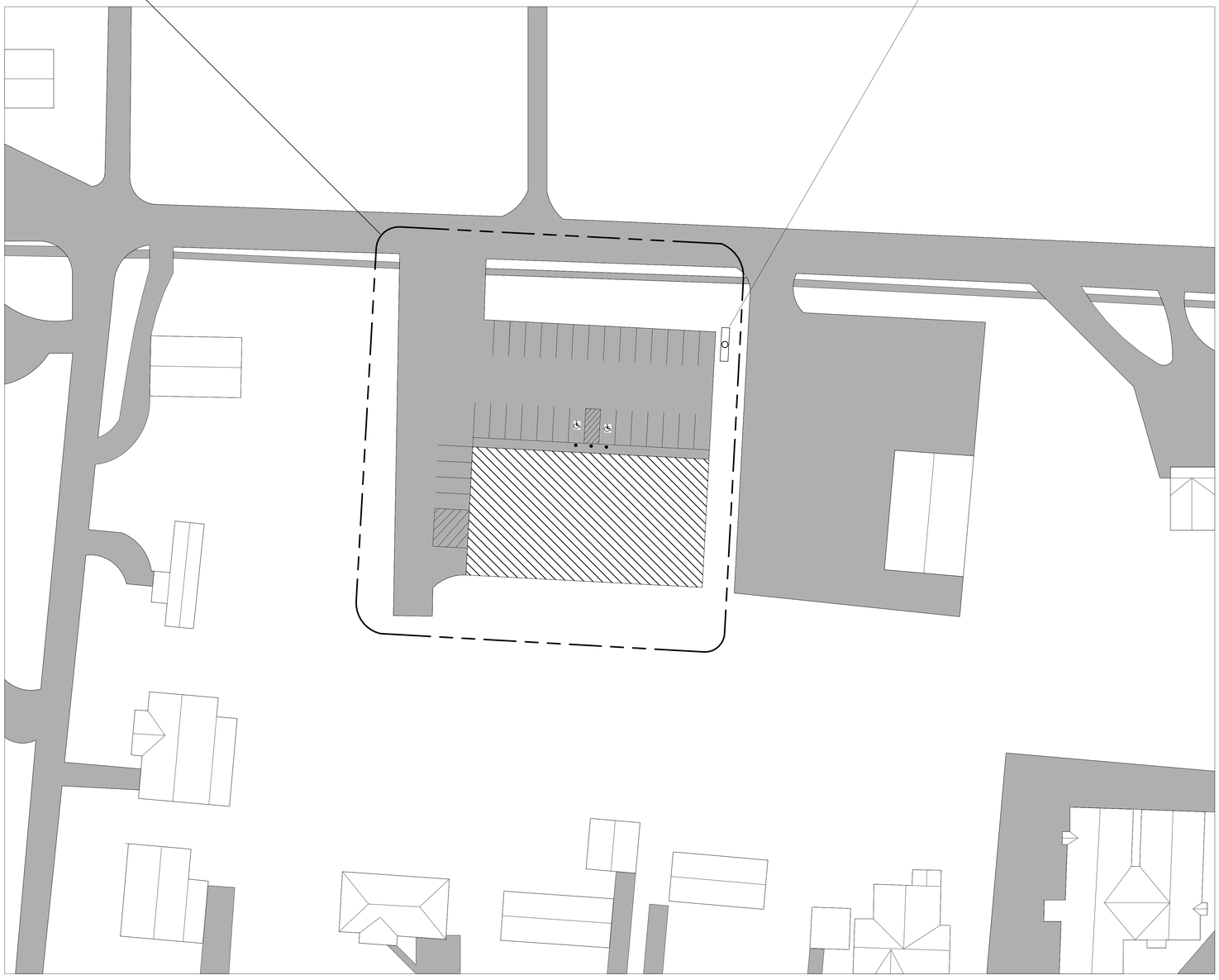
LIFE SAFETY PLAN - LEVEL 1

G2.01

9/17/2026 11:03:51 AM TEMPLATE VERSION: 2022.1

AREA OF WORK

EXISTING SIGNAGE & COMPONENTS TO BE REMOVED.



SITE PLAN LEGEND

- -EXISTING HARDSCAPE
- -AREA OF WORK
- -EXISTING DOLLAR GENERAL SIGN
- -EXISTING PARKING BOLLARDS

PLAN NORTH / TRUE NORTH

A3 SITE PLAN
SCALE: 1 1/2" = 1'-0"

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STATE OF ALABAMA
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ARCHITECTURAL SITE PLAN

A0.00

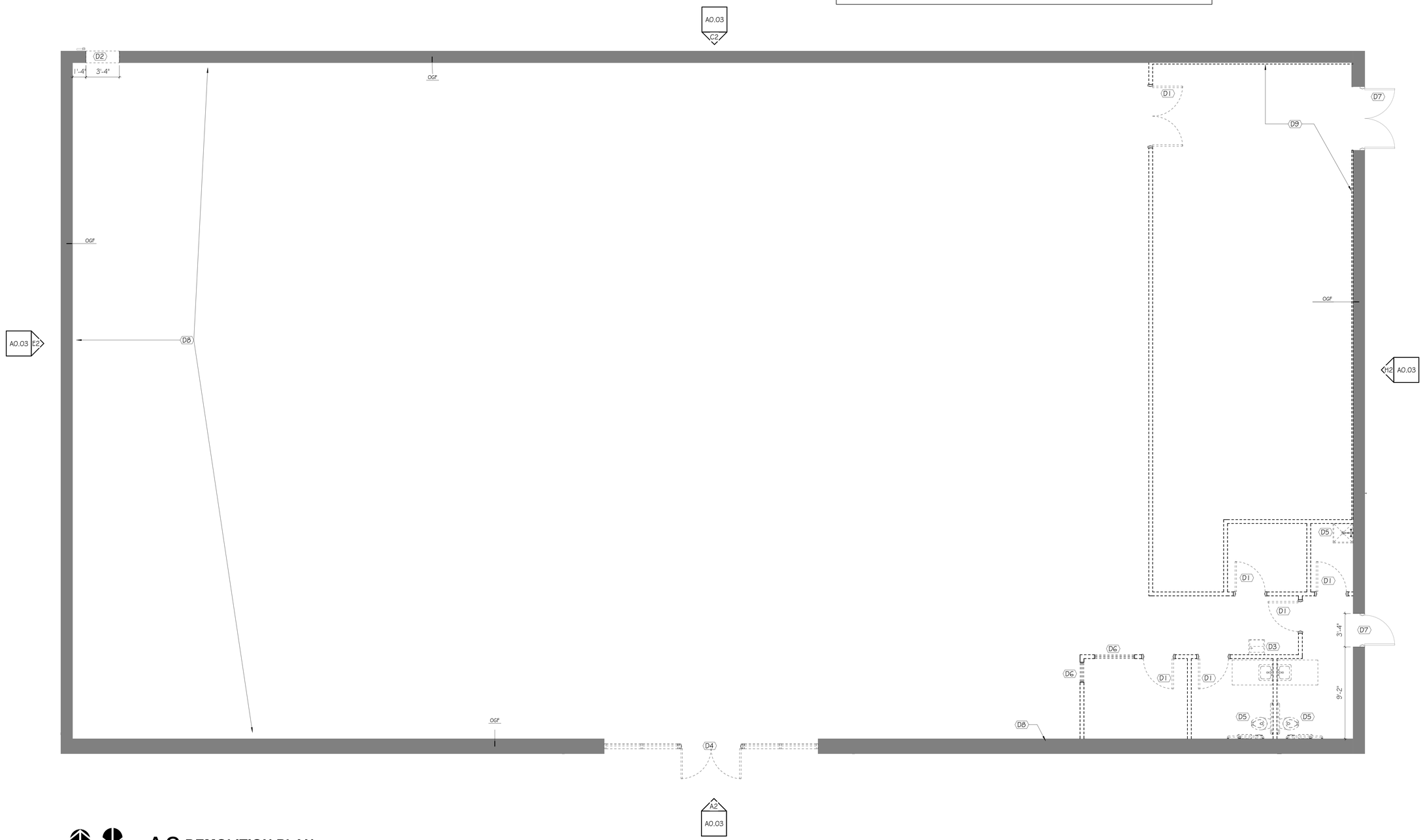
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GENERAL NOTES - DEMOLITION PLAN

1. VERIFY AND TAG ALL "KILL" POINTS FOR MECHANICAL, ELECTRICAL, AND PLUMBING. ENSURE THE MAIN ELECTRICAL FEED IS LOCKED OUT/TAGGED OUT AND THE WATER MAIN IS SHUT OFF UNLESS REQUIRED FOR DUST SUPPRESSION.
2. MAINTAIN CLEAR EGRESS PATHS.
3. REMOVE ALL FLOOR-MOUNTED SHELVING, POINT-OF-SALE (POS) COUNTERS, LOCALIZED REFRIGERATION UNITS, AND ANY OTHER REMAINING FREE-STANDING ELEMENTS IN THE STRUCTURE.
4. REMOVE ALL CEILING AND EXTERIOR SOFFIT ELEMENTS AND GRIDS. SUPPORT ANY HANGING LIGHT FIXTURES OR HVAC DIFFUSERS THAT ARE SLATED FOR SALVAGE OR RELOCATION.
5. STRIP AND REMOVE EXISTING VCT, CARPET, OR OTHER FLOOR FINISHES. IF THE SLAB IS TO BE POLISHED OR LEFT EXPOSED, USE SCRAPING EQUIPMENT THAT MINIMIZES GOUGING. REPAIR AND LEVEL FLOOR TO RECEIVE NEW FINISHES.
6. DEMOLISH NON-LOAD-BEARING WALLS.
7. REMOVE ALL EXPOSED DUCTWORK AND HVAC UNITS. ENSURE REFRIGERANT IS RECLAIMED PER EPA STANDARDS.
8. STUB-BACK PLUMBING LINES TO THE FLOOR OR WALL; CAP SANITARY LINES TO PREVENT SEWER GAS ENTRY.
9. PULL BACK ALL REDUNDANT WIRING TO THE MAIN PANEL.
10. POSITION DUMPSTERS IN A LOCATION THAT DOES NOT IMPEDE TRAFFIC OR NEIGHBORING BUSINESSES.
11. USE HEPA-FILTERED AIR SCRUBBERS AND TEMPORARY PLASTIC BARRIERS TO PREVENT DUST MIGRATION INTO COMMON AREAS OR ADJACENT TENANCIES.
12. IDENTIFY AND MARK ALL FLOOR TRENCHES OR LEAVE-OUTS. COVER ANY HOLES IN THE SLAB IMMEDIATELY TO PREVENT TRIP/FALL HAZARDS.
13. THE SPACE SHOULD BE DELIVERED IN A BROOM CLEAN STATE WITH ALL DEBRIS REMOVED AND THE CONCRETE SLAB EXPOSED.
14. FIELD VERIFY EXISTING EXTERIOR BLOCK WALL. GC TO TUCKPOINT OR REPAIR EXTERIOR WALL AS REQUIRED.
15. REMOVE ALL EXTERIOR SIGNAGE, INCLUDING SITE SIGNAGE AND EXTERIOR SIGN IN PARKING LOT. REMOVE ELECTRICAL COMPONENTS AND CLEAN METAL PANEL BEHIND EXISTING BUILDING ENTRANCE SIGN.
16. REMOVE ALL EXISTING FLOOR FINISHES. SCRAPE SLAB AND PREPARE FOR NEW CONSTRUCTION.

KEY NOTES - DEMOLITION

KEY	KEYNOTE
D1	REMOVE EXISTING DOORS, FRAMES AND ASSOCIATED ITEMS
D2	REMOVE PORTION OF EXTERIOR WALLS AND PREPARE FLOOR TO RECEIVE DOORS AND FRAMES
D3	REMOVE EXISTING WATER FOUNTAIN, CUT AND CAP PIPES AND DRAIN INSIDE WALL, SEE PLUMBING
D4	REMOVE EXISTING STOREFRONT, INCLUDING DOORS, GLAZING AND MULLIONS.
D5	REMOVE ALL RESTROOM ACCESSORIES AND PLUMBING FIXTURES, CUT AND CAP ALL PIPES AND DRAINS, SEE PLUMBING
D6	REMOVE EXISTING WINDOWS
D7	EXISTING DOOR AND FRAME TO REMAIN. REMOVE HARDWARE AND PREPARE TO REPLACE
D8	REMOVE ALL INTERIOR WALL GYPSUM BOARD
D9	REMOVE INTERIOR WALL METAL PANELING
D10	REMOVE PLUMB. DRAIN PER PLUMBING. PATCH AND REPAIR MASONRY AS REQUIRED.
D11	REMOVE ALL EXTERIOR SIGNAGE, INCLUDING SITE SIGN.
D12	REMOVE EXISTING LIGHT FIXTURES TO BE REPLACED WITH NEW.



PLAN NORTH TRUE NORTH

A2 DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

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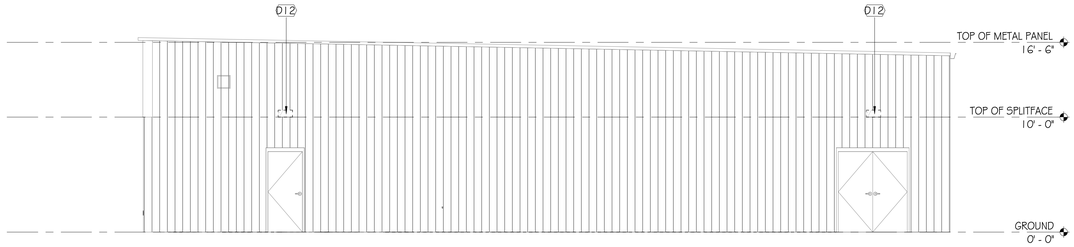
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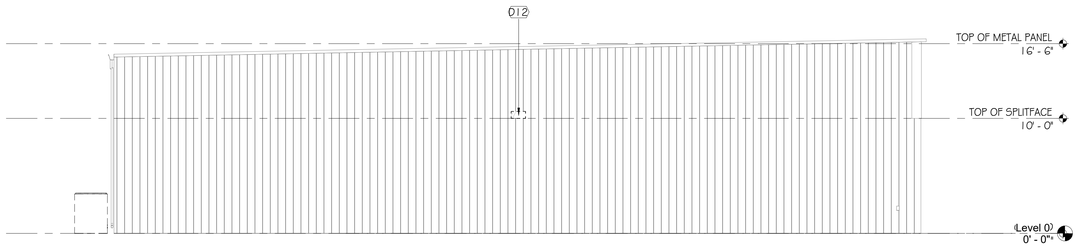
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JEFFREY DANIEL PARRELL
9601
MADISON, ALABAMA
REGISTERED ARCHITECT

DEMOLITION PLAN

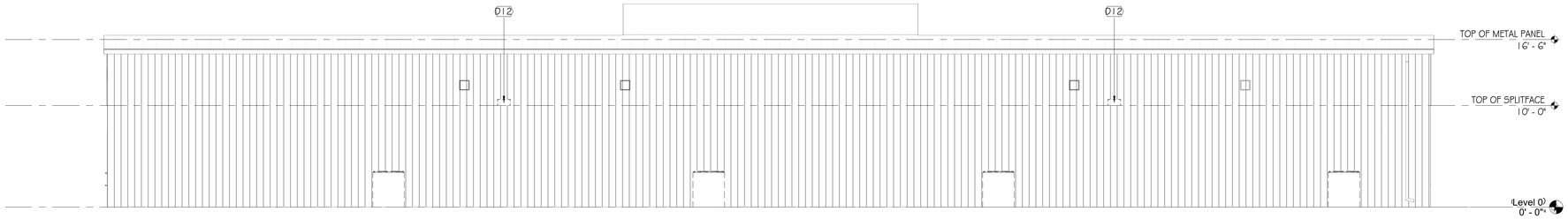
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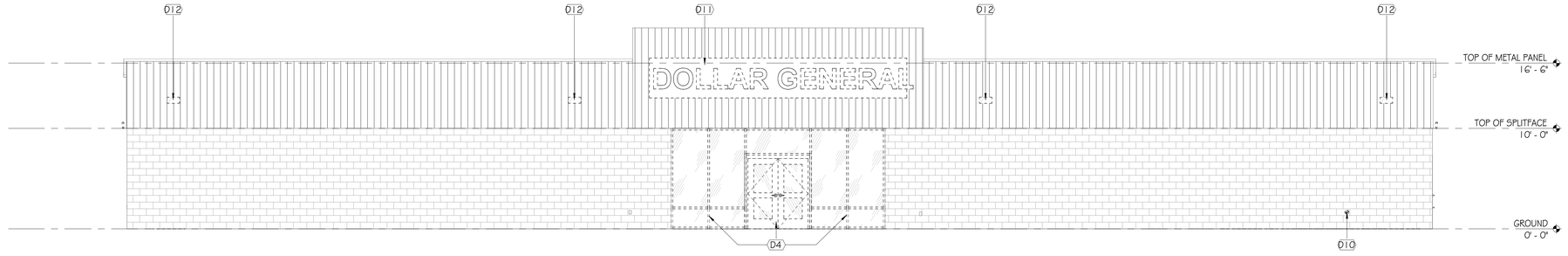
H2 DEMO WEST
SCALE: 3/16" = 1'-0"



E2 DEMO EAST
SCALE: 3/16" = 1'-0"



C2 DEMO SOUTH
SCALE: 3/16" = 1'-0"



A2 DEMO NORTH
SCALE: 3/16" = 1'-0"

KEY NOTES - DEMOLITION ELEVATIONS

KEY	KEYNOTE
D1	REMOVE EXISTING DOORS, FRAMES AND ASSOCIATED ITEMS
D2	REMOVE PORTION OF EXTERIOR WALLS AND PREPARE FLOOR TO RECEIVE DOORS AND FRAMES
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D12	REMOVE EXISTING LIGHT FIXTURES TO BE REPLACED WITH NEW.

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GMC

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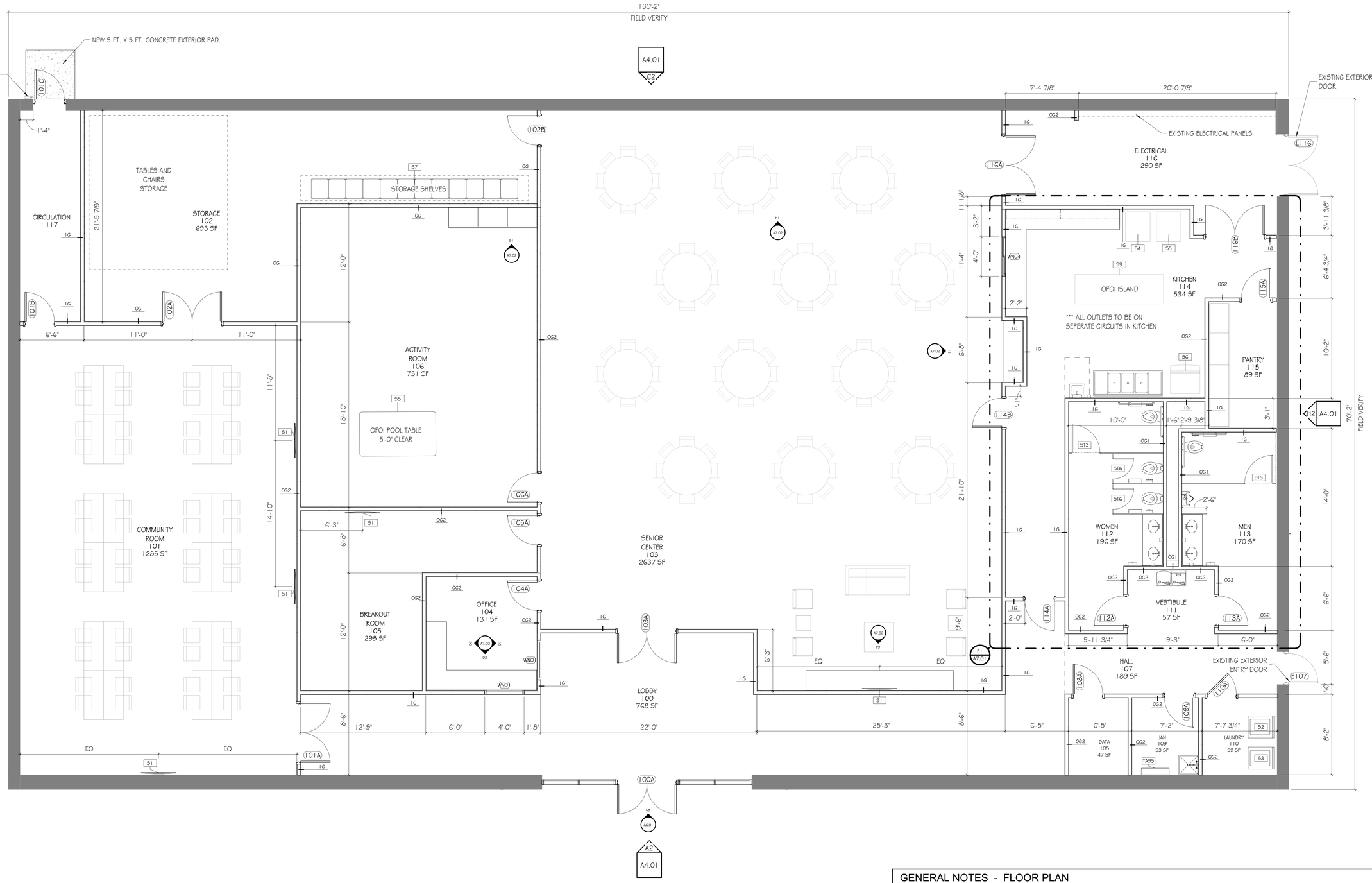
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STATE OF ALABAMA
JEFFREY DANIEL PARNELL
9601
REGISTERED ARCHITECT

DEMOLITION ELEVATION

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PLAN NORTH TRUE NORTH

B2 NEW CONSTRUCTION FLOOR PLAN

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

SPECIALTY EQUIPMENT SCHEDULE

TAG	DESCRIPTION	COMMENTS
51	TV # WALL MOUNT	OFCI
52	RESIDENTIAL WASHER	OFCI
53	RESIDENTIAL DRYER	OFCI
54	REFRIGERATOR	OFCI
55	COMMERCIAL GRADE FREEZER	OFCI
56	ICE MACHINE - OFOI - COORDINATE WITH MEP	OFOI
57	STORAGE SHELVES	OFCI
58	POOL TABLE	OFOI
59	KITCHEN ISLAND	OFOI

GENERAL NOTES - FLOOR PLAN

1. FURNITURE IS SHOWN FOR REFERENCE ONLY. FURNITURE PACKAGE IS NOT IN CONTRACT.
2. ALL SURFACES IN SCOPE OF WORK RECEIVE NEW FINISHES . SEE FINISH PLAN.
3. CONTRACTOR SHALL INSPECT AND REPAIR ALL EXISTING CONCRETE SLABS, METAL FRAMING, AND SURFACES EXPOSED DURING DEMOLITION BEFORE INSTALLING NEW FINISHES.
4. PATCH AND REPAIR ALL EXISTING SURFACES DAMAGED DURING DEMOLITION TO MATCH ADJACENT SURFACES IN TEXTURE, COLOR, AND FIRE RESISTANCE RATING.
5. REPAIR ANY TORN OR MISSING INSULATION AND LINER PANELS AT THE ROOF DECK CONNECTION WHERE INTERIOR RETAIL PARTITIONS WERE REMOVED.
6. APPLY A SELF-LEVELING UNDERLAYMENT TO AREAS OF THE CONCRETE SLAB SCARRED, PITTED, OR UNEVEN DUE TO PREVIOUS TILE, CARPET, OR WALL REMOVAL.
7. PROVIDE ADA COMPLIANT METAL THRESHOLD TRANSITIONS AT ALL CHANGES IN NEW FLOORING MATERIAL AND BETWEEN ALL NEW AND EXISTING TO REMAIN FLOORING MATERIALS.
8. ALL EXISTING WALLS MARKED AS 1-HR RATED IN FLOOR PLAN WILL BE UPGRADED AS REQUIRED TO PROVIDE 1-HR RATED WALLS. INFILL AND FIRE CAULK/SEAL ALL OPENINGS AND PENETRATIONS AS REQUIRED. PROVIDE ABOVE-CEILING STENCILING DENOTING WALL RATING.
9. GC TO TUCKPOINT, REPAIR, & PAINT ALL EXISTING CMU VENEER.
10. THE MAXIMUM OCCUPANT LOAD SHALL BE POSTED IN A CONSPICUOUS PLACE NEAR THE MAIN EXIT. SEE LIFE SAFETY PLAN.
11. EMERGENCY EXIT LIGHTING AND ILLUMINATED EXIT SIGNS MUST BE PROVIDED WITH BATTERY BACKUP.
12. ALL EGRESS DOORS SERVING AN OCCUPANT LOAD OF 50 OR MORE MUST BE EQUIPPED WITH PANIC HARDWARE.
13. EXISTING WALLS SEPARATING ASSEMBLY AREAS FROM OTHER USES MUST MEET REQUIRED FIRE-RESISTANCE RATINGS.
14. DO NOT DRILL, CUT, OR ALTER EXISTING PRE-ENGINEERED METAL BUILDING RIGID FRAMES OR PURLINS WITHOUT STRUCTURAL ENGINEER APPROVAL.

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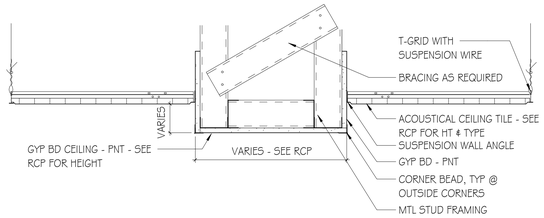
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9601
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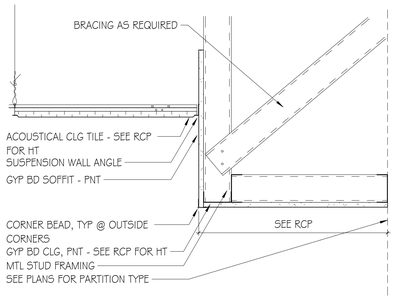
FLOOR PLAN

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



H5 ACT-GYP SOFFIT TYP
SCALE: 1 1/2" = 1'-0"

RCP LEGEND

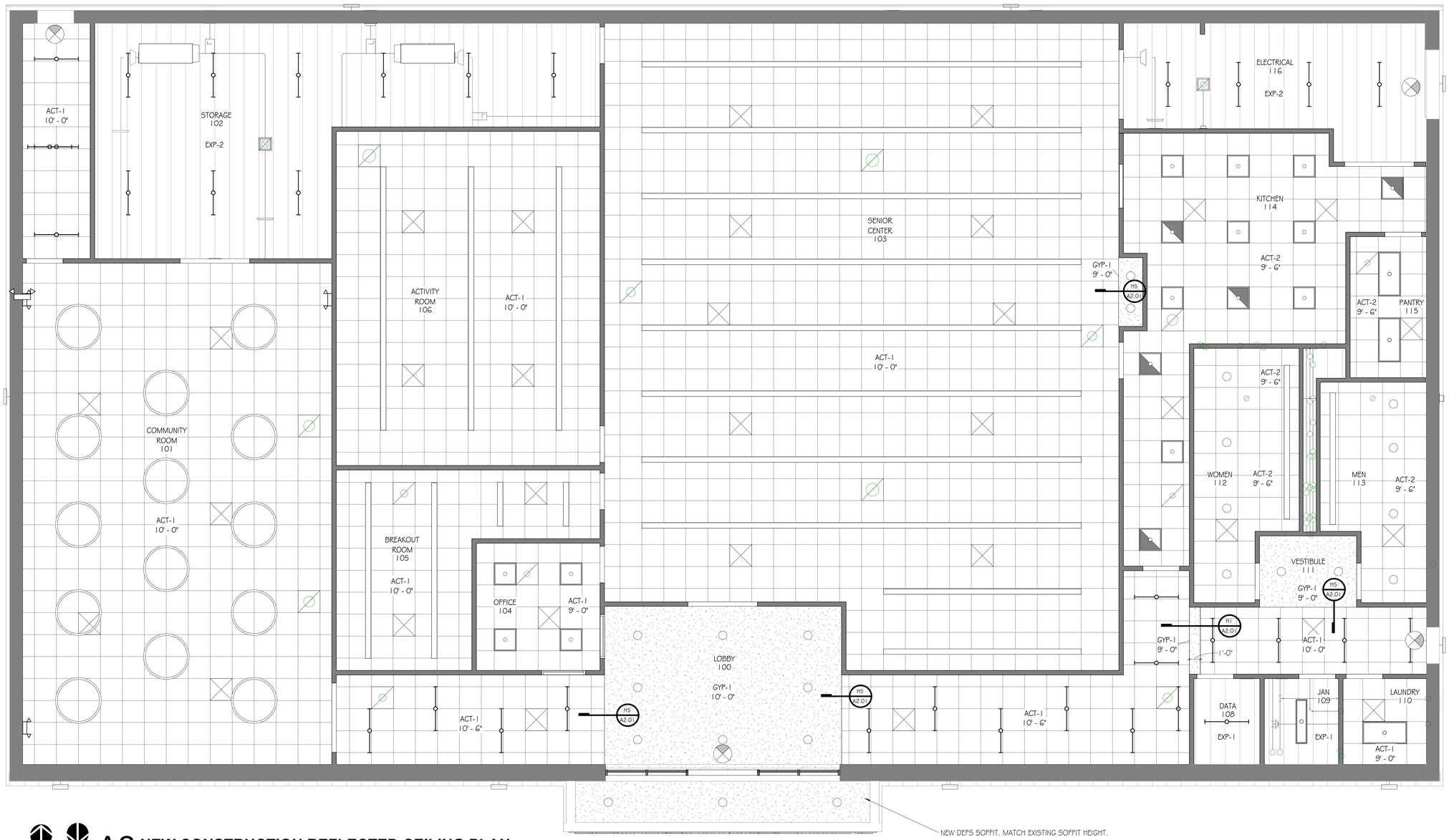
CEILING FINISHES:
- LAY-IN ACOUSTICAL CEILING SYSTEM - 2'X2'
- LAY-IN ACOUSTICAL CEILING SYSTEM - 2'X4'
- GYP BOARD - INTERIOR EIFS SOFFIT - EXTERIOR
- EXPOSED STRUCTURE
- 2X2 LAY-IN METAL CEILING SYSTEM
- 2X2 LAY-IN WOOD CEILING SYSTEM
- RECESSED LIGHT POCKET

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

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

CEILING FINISH LEGEND

NUMBER	TYPE	DETAIL DESCRIPTION
ACT-1	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: STYLE: COLOR: SIZE: 24" X 24" X THK" SUSPENSION SYSTEM:
ACT-2	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: STYLE: COLOR: SIZE: 24" X 24" X THK" SUSPENSION SYSTEM:
GYP-1	GYP BOARD CEILING	PAINTED GYP BOARD CEILING COLOR: PNT-XXX (U.N.O. ON RCP)
GYP-2	GYP BOARD CEILING	TYPE X GYP BOARD CEILING - 1 HOUR FIRE RATED COLOR: PNT-XXX (U.N.O. ON RCP)
MGB-1	MOISTURE RESISTANT GYP BOARD CEILING	PAINTED GYP BOARD CEILING - MOISTURE RESISTANT COLOR: PNT-XXX (U.N.O. ON RCP)
EXP-1	EXPOSED TO STRUCTURE	EXPOSED TO STRUCTURE - WITH NO FINISH
EXP-2	EXPOSED TO STRUCTURE	EXPOSED TO STRUCTURE - WITH FINISH. PAINT ALL EXPOSED ELEMENTS COLOR: XXX



PLAN NORTH TRUE NORTH

A2 NEW CONSTRUCTION REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

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GMC # AHUN240006

STATE OF ALABAMA
JEFFREY DANIEL PARRELL
9601
REGISTERED ARCHITECT

REFLECTED CEILING PLAN

A2.01

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GENERAL NOTES - ROOF PLAN

1. THE GENERAL CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, PURLIN SPACING, PANEL PROFILES, AND FLASHING DIMENSIONS PRIOR TO MATERIAL ORDERING OR INSTALLATION.

2. INSPECT ALL EXISTING METAL PANELS, SUB-FRAMING, AND FASTENERS FOR RUST, CORROSION, OR FATIGUE. DEFECTIVE OR COMPROMISED MATERIALS MUST BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING TO BE REPLACED WITH NEW.

3. REMOVE & REPLACE ALL RUSTED FASTENERS WITH OVERSIZED, COATED SELF-TAPPING FASTENERS TO ENSURE A WATERTIGHT SEAL.

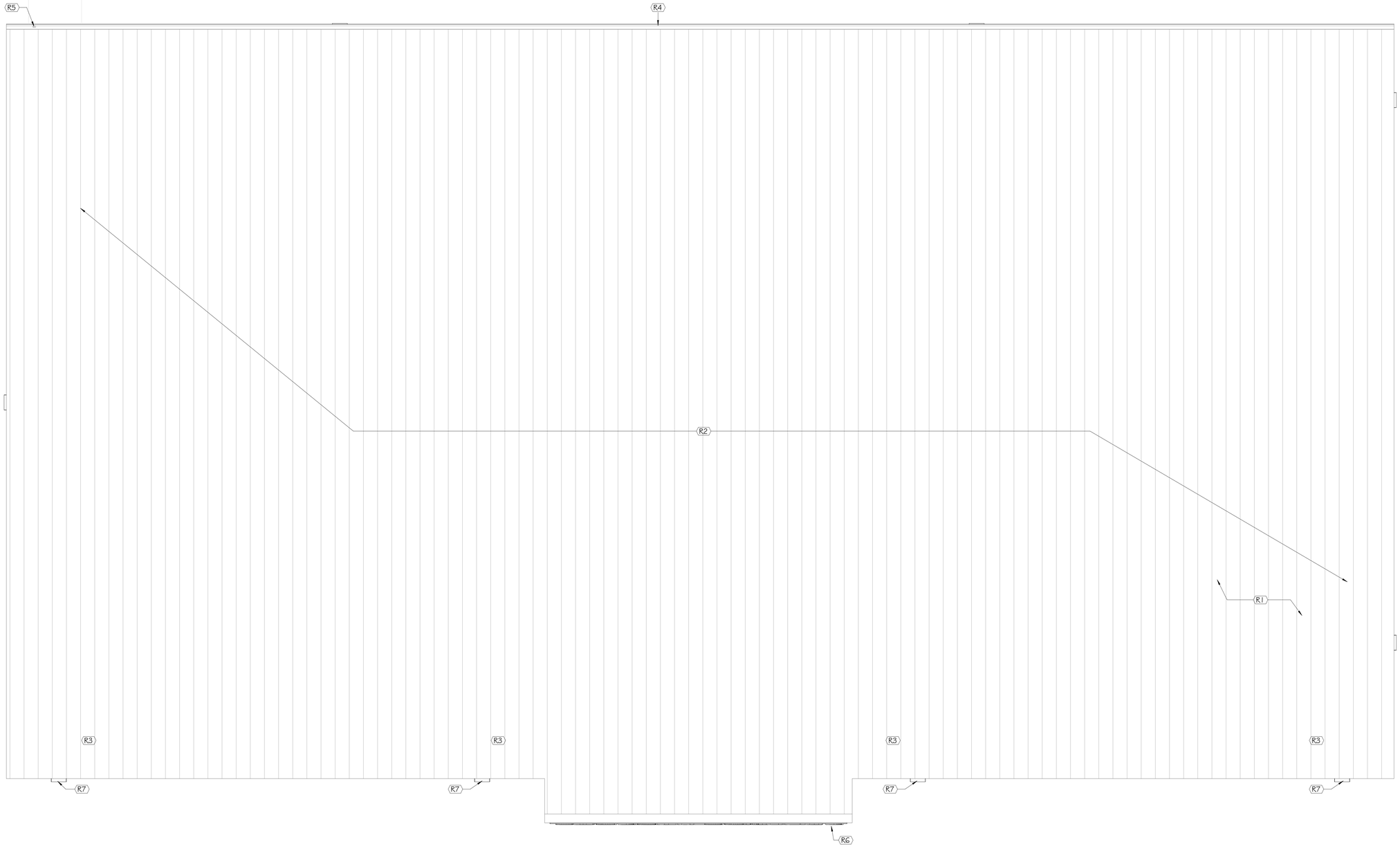
4. REPLACE DAMAGED OR RUSTED RIDGE CAPS, RAKE TRIM, AND EAVE GUTTERS TO MATCH THE EXISTING PROFILE AND COLOR.

5. DO NOT CONCENTRATE CONSTRUCTION LOADS OR HEAVY MATERIAL ON THE EXISTING PURLINS OR ROOF PANELS.

6. FLASH ROUND PIPE PENETRATIONS WITH FLEXIBLE EPDM DEKTITE BOOTS SECURED WITH STAINLESS STEEL COMPLIANCE BANDS AND SEALANT.

KEY NOTES - ROOF PLAN

KEY	KEYNOTE
R1	PIPE VENTS UTILIZE EXISTING PENETRATION, SEE PLUMBING.
R2	FIELD VERIFY CONDITION OF EXISTING ROOF, PANELS, AND FASTENERS.
R3	REMOVE EXISTING ROOF LIGHTING. NEW LIGHT TO BE INSTALLED. SEE ELECTRICAL
R4	EXISTING GUTTER TO REMAIN.
R5	EXISTING DOWNSPOUT TO REMAIN. FIELD VERIFY LOCATIONS AND REROUTE AROUND OBSTACLES AS REQUIRED.
R6	NEW BUILDING SIGNAGE. SEE ELEVATION.
R7	NEW LIGHT FIXTURE. SEE ELECTRICAL.



PLAN NORTH TRUE NORTH

A2 **ROOF PLAN - OVERALL**
SCALE: 1/4" = 1'-0"

GMC

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117 Jefferson Street North
Huntsville, AL 35801
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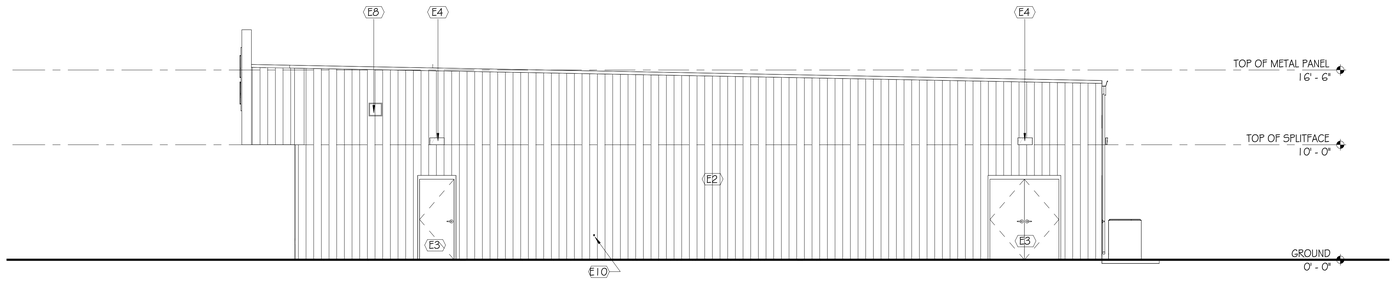
GMC # AHUN240006

STATE OF ALABAMA
JEFFREY DANIEL PARNELL
9601
REGISTERED ARCHITECT
MADISON, ALABAMA

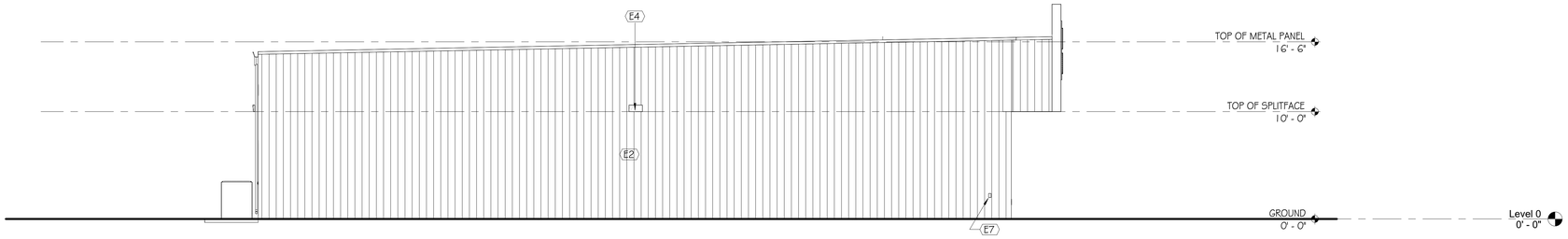
ROOF PLAN

A3.01

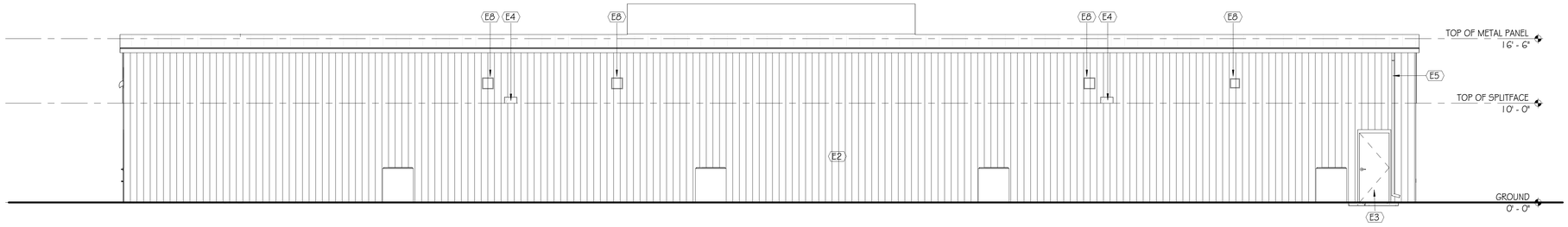
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H2 WEST
SCALE: 3/16" = 1'-0"



E2 EAST
SCALE: 3/16" = 1'-0"



C2 SOUTH
SCALE: 3/16" = 1'-0"



A2 NORTH
SCALE: 3/16" = 1'-0"

KEY NOTES - EXTERIOR ELEVATIONS

KEY	KEYNOTE
E1	TUCKPOINT, REPAIR, RESEAL, MASONRY.
E2	PAINT EXISTING METAL PANEL AND ALL EXTERIOR WALLS. COLOR TO BE SELECTED BY ARCHITECT.
E3	CLEAN AND REPAIR METAL PANEL AS REQUIRED. PAINT DOOR. COLOR TO BE SELECTED BY ARCHITECT.
E4	NEW LIGHT FIXTURE. SEE ELEC.
E5	EXISTING DOWNSPOUT TO REMAIN. FIELD VERIFY LOCATIONS AND REROUTE AROUND OBSTACLES AS REQUIRED.
E6	NEW BUILDING SIGNAGE. 1" STAINLESS STEEL RAISED LETTERING SET ON A METAL PANEL FASTENED TO BUILDING WALL. COLOR TO BE SELECTED BY ARCHITECT.
E7	EXISTING OUTLET. SEE ELEC.
E8	REUSE EXISTING VENT AS REQUIRED. SEE MECH.
E10	EXISTING WATER SPIGOT

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STATE OF ALABAMA
JEFFNET DANIEL PARNELL
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MADISON, ALABAMA

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EXTERIOR ELEVATIONS

A4.01

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DOOR SCHEDULE

LOCATION		SIZE			DOOR			FRAME			HARDWARE					DETAILS				
												ELEC. COORD.								
DOOR NUMBER	ROOM NAME	WIDTH	HT	THK	DOOR TYPE	MAT'L	GLASS OR LOUVER TYPE	FRAME TYPE	MAT'L	GLASS TYPE	HARDWARE SET NO.	HOLD OPEN	FIRE ALARM INTERFACE	ACCESS CONTROL	HEAD	JAMB	SILL	FIRE RATING	COMMENTS
100A	LOBBY	6' - 0"	7' - 0"	1 3/4"	FG2	AL/GL	G1	F13	AL										
101A	LOBBY	6' - 0"	7' - 0"	1 3/4"	F	HM		F1	HM									45 MIN	
101B	CIRCULATION	3' - 0"	7' - 0"	1 3/4"	F	HM		F13	HM									60 MIN	
101C	CIRCULATION	3' - 0"	7' - 0"	1 3/4"	F	HM		F13	HM									60 MIN	
102A	STORAGE	6' - 0"	7' - 0"	1 3/4"	F	WD		F1	HM									45 MIN	
102B	STORAGE	3' - 0"	7' - 0"	1 3/4"	F	HM		F13	HM									60 MIN	
103A	LOBBY	6' - 0"	7' - 0"	1 3/4"	F	WD		F1	HM									60 MIN	
104A	OFFICE	3' - 0"	7' - 0"	1 3/4"	F	HM		F13	HM		LOCK							60 MIN	KEYED
105A	SENIOR CENTER	3' - 0"	7' - 0"	1 3/4"	F	HM		F13	HM									60 MIN	
106A	ACTIVITY ROOM	3' - 0"	7' - 0"	1 3/4"	F	HM		F13	HM									60 MIN	
108A	DATA	3' - 0"	7' - 0"	1 3/4"	F	HM		F13	HM		LOCK							60 MIN	KEYED
109A	JAN	3' - 0"	7' - 0"	1 3/4"	F	HM		F13	HM		LOCK							60 MIN	KEYED
110A	LAUNDRY	3' - 0"	7' - 0"	1 3/4"	F	HM		F13	HM		LOCK							60 MIN	KEYED
112A	WOMEN	3' - 0"	7' - 0"	1 3/4"	F	HM		F13	HM									60 MIN	
113A	MEN	3' - 0"	7' - 0"	1 3/4"	F	HM		F13	HM									60 MIN	
114A	KITCHEN	3' - 0"	7' - 0"	1 3/4"	F	HM		F13	HM									45 MIN	
114B	SENIOR CENTER	3' - 0"	7' - 0"	1 3/4"	F	HM		F13	HM									60 MIN	
115A	PANTRY	3' - 0"	7' - 0"	1 3/4"	F	HM		F13	HM		LOCK							60 MIN	KEYED
116A	SENIOR CENTER	6' - 0"	7' - 0"	1 3/4"	F	WD		F1	HM		LOCK							60 MIN	KEYED
116B	KITCHEN	6' - 0"	7' - 0"	1 3/4"	F	WD		F1	HM										
E107	HALL	3' - 0"	7' - 0"	1 3/4"	F	HM		F13	HM									45 MIN	
E116	ELECTRICAL	6' - 0"	7' - 0"	1 3/4"	F	HM		F1	HM									45 MIN	

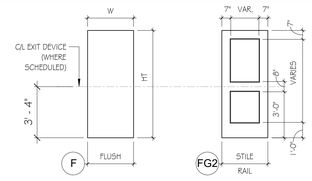
DOOR NUMBERED NOTES

01 MAGNETIC HOLD-OPEN DEVICES
02 AUTOMATIC DOOR OPERATOR, SEE SPECIFICATION 08 7100
03 AUTOMATIC ENTRANCE DOORS, SEE SPECIFICATIONS
04 ALUMINUM-FRAMED ENTRANCE DOORS, SEE SPECIFICATIONS
05 ALL-GLASS ENTRANCE DOORS, SEE SPECIFICATIONS
06 ALUMINUM-FRAMED ICU/CCU DOOR, SEE SPECIFICATIONS
07 SLIDING ICU/CCU DOOR, SEE SPECIFICATIONS
08 SLIDING EXAM ROOM DOOR, SEE SPECIFICATIONS
09 OVERHEAD COILING DOOR, SEE SPECIFICATIONS
10 OVERHEAD COILING GRILLE, SEE SPECIFICATIONS
11 LEAD-LINED DOOR AND FRAME, SEE SPECIFICATIONS 08 1416 & 13 4900
12 RF DOOR TO BE PROVIDED COMPLETE WITH HARDWARE BY RF SHIELDING VENDOR
13 INTEGRAL BLINDS BETWEEN 2 PANES ULTRACLEAR GLASS (UPPER LITES ONLY)
14 PROVIDE OPAQUE FILM AT DOOR GLAZING
15 THERMAL RATED (INSULATED) ASSEMBLY
16 SOUND RATED DOOR ASSEMBLY. MATCH RATING OF PARTITION IN WHICH LOCATED
17 DOOR EDGE CONSTRUCTION: SEAMLESS
18 LEVEL 3 AND PHYSICAL PERFORMANCE LEVEL A (EXTRA HEAVY-DUTY)
19 EGRESS - EXIT ONLY DOOR
20 MECHANICAL KEYPAD LOCK. SEE SPECIFICATION 08 7100
21 STORM SHELTER DOOR
22 PROVIDE SMOKE SEALS AND POSITIVE LATCHING
23 PROVIDE POSITIVE LATCHING & LOCKSET. SEE HARDWARE SCHEDULE FOR FUNCTION
24 PROVIDE OVERALL DOOR WIDTH AS REQ'D FOR CLEAR DOOR OPNG TO BE 36" MIN.
25 PROVIDE OVERALL DOOR WIDTH AS REQ'D FOR CLEAR DOOR OPNG TO BE 42" MIN.
26 PROVIDE OVERALL DOOR WIDTH AS REQ'D FOR CLEAR DOOR OPNG TO BE 46" MIN.
27 PROVIDE OVERAL DOOR WIDTH AS REQ'D FOR CLEAR DOOR OPNG TO BE 48" MIN.
28 PROVIDE OVERALL DOOR WIDTH AS REQ'D FOR CLEAR DOOR OPNG TO BE 60" MIN.
29 PROVIDE OVERALL DOOR WIDTH AS REQ'D FOR CLEAR DOOR OPNG TO BE 72" MIN.

DOOR GENERAL NOTES

1) GENERAL:
A. DOOR AND/OR FRAME CONSTRUCTION SHALL BE AS SPECIFIED UNLESS NOTED OTHERWISE.
B. ALL TYPES OF DOORS ARE REPRESENTED IN THIS SCHEDULE FOR CONVENIENCE. WHERE MORE DESCRIPTIVE INFORMATION MAY BE LOCATED ELSEWHERE, NOTATION IS MADE IN THE NUMBERED NOTES COLUMN. (E.G. ALUMINUM FRAMED ENTRANCE DOORS. SEE SPECIFICATIONS)
2) MATERIAL AND FINISH:
A. MATERIALS AND FINISHES INDICATED ON THE SCHEDULE ARE AS FOLLOWS:
HM HOLLOW METAL
ST STEEL
ST/S STEEL / STAINLESS OR STAINLESS CLAD
WD SOLID CORE WOOD
WD/PL WOOD / PLASTIC LAMINATE FACED
WD/IR WOOD / IMPACT-RESISTANT VINYL-FACED
AL ALUMINUM
GL GLAZING/GLASS
PREFIN PREFINISHED (OR FACTORY FINISHED)
PNT PAINTED
STN STAINED
3) GLASS:
A. GLASS TYPES INDICATED ON THE SCHEDULE ARE AS FOLLOWS (SEE SPECIFICATION SECTIONS 08 8000 'GLAZING' & 13 4900 'RADIATION PROTECTION'):
MONOLITHIC:
G1 6.0mm CLEAR, TEMPERED
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
4) LOUVERS:
A. DOOR LOUVER TYPES INDICATION ON THE SCHEDULE ARE AS FOLLOWS:
L1 A" W X B" H, SIGHT PROOF, WEATHER RESISTANT, WITH INSECT SCREEN
L2 A" W X B" H, LIGHT PROOF
5) DOOR HARDWARE:
A. "HARDWARE SET NUMBER" REFERS TO HARDWARE SETS SPECIFIED IN SPECIFICATION SECTION 08 7100 "DOOR HARDWARE".

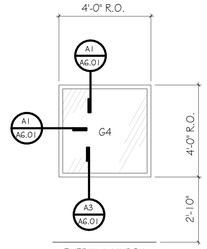
DOOR TYPES - WOOD + HOLLOW METAL SWING DOORS



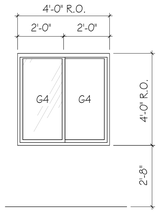
FRAME TYPES - HOLLOW METAL



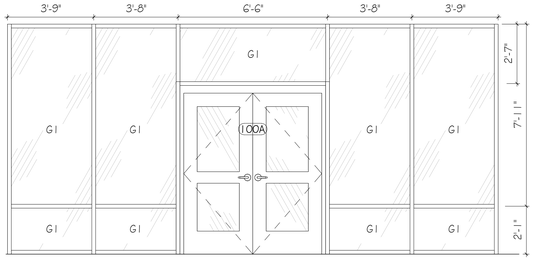
GLAZING SCHEDULE



C5 WN 01
SCALE: 3/8" = 1'-0"



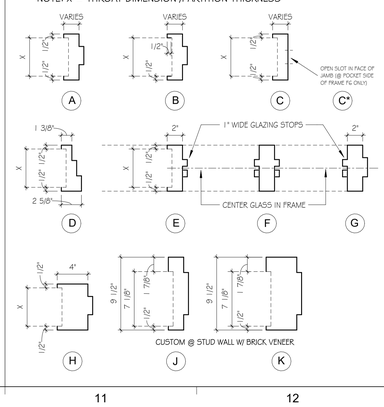
C7 WN 04
SCALE: 3/8" = 1'-0"

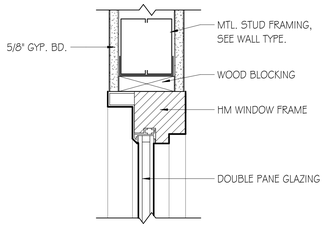


C8 SF1 ELEVATION
SCALE: 3/8" = 1'-0"

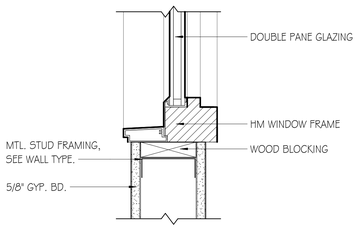
FRAME PROFILES

NOTE: X = THROAT DIMENSION /PARTITION THICKNESS

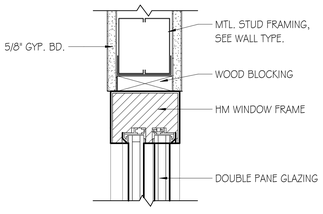




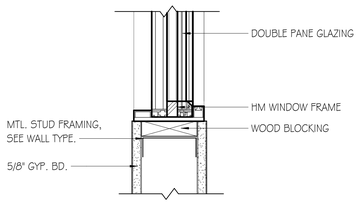
A1 WN 01 HEAD & JAMB DETAIL
SCALE: 3" = 1'-0"



A3 WN 01 SILL DETAIL
SCALE: 3" = 1'-0"



A5 WN 04 SLIDING WINDOW HEAD DETAIL
SCALE: 3" = 1'-0"



A8 WN 04 SLIDING WINDOW SILL
SCALE: 3" = 1'-0"

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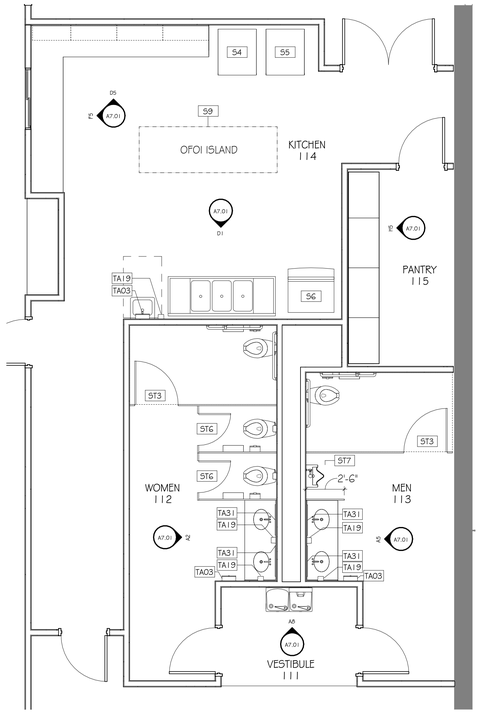
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JEFFREY DANIEL PARNELL
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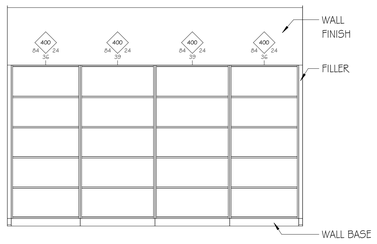
DOOR & GLAZING SCHEDULE, LEGEND, & NOTES

A6.01

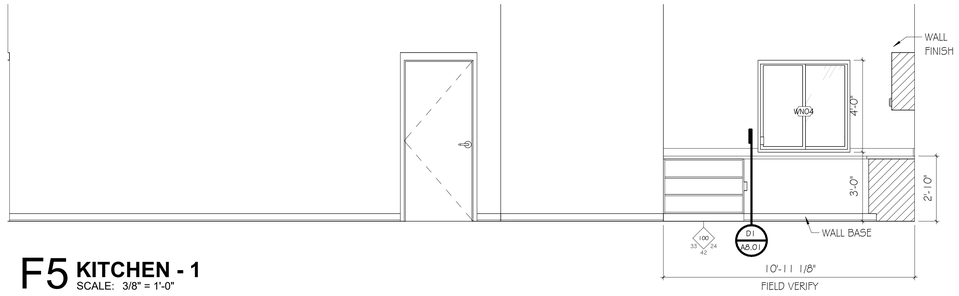
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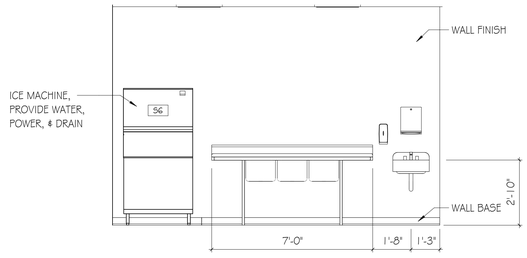
F1 KITCHEN & TOILET - CALLOUT
SCALE: 1/4" = 1'-0"



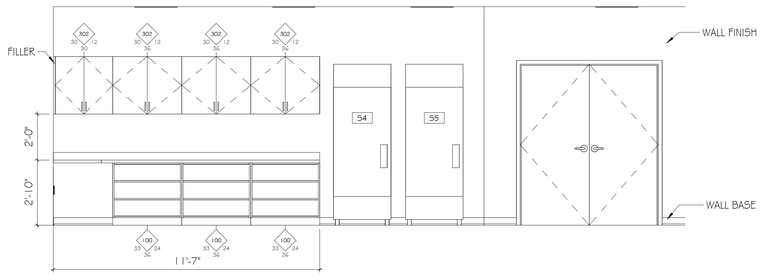
H5 PANTRY
SCALE: 3/8" = 1'-0"



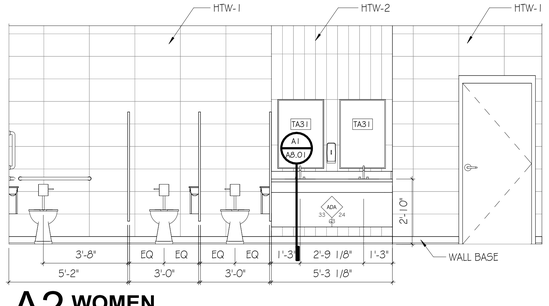
F5 KITCHEN - 1
SCALE: 3/8" = 1'-0"



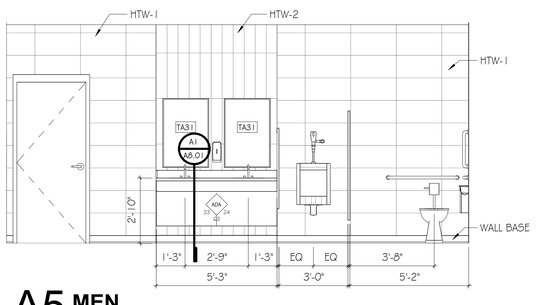
D1 KITCHEN - 3
SCALE: 3/8" = 1'-0"



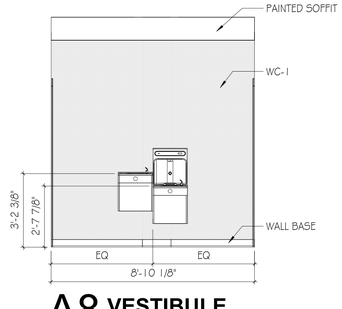
D5 KITCHEN - 2
SCALE: 3/8" = 1'-0"



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



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



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

CASEWORK SCHEDULE

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

CDS #	CASEWORK TYPE	DESCRIPTION
100	BASE CAB	OPEN W/ ADJUSTABLE SHELVES
102	BASE CAB	DBL DOOR
211	BASE CAB	SGL DOOR / SGL DRWR
302	WALL CAB	DBL DOORS
400	TALL STG	OPEN W/ ADJUSTABLE SHELVES
402	TALL STG	DBL DOOR
ADA	BASE CAB	ADA SINK

TOILET ACCESSORIES SCHEDULE

TAG	DESCRIPTION	COMMENTS
TA01	TOILET TISSUE DISPENSER	OFCI
TA03	PAPER TOWEL DISPENSER	OFCI
TA19	SOAP DISPENSER	OFCI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	CFCI
TA36	SANITARY NAPKIN DISPOSAL - SURF-MT, BOTTOM HINGED	CFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI

SPECIALTY EQUIPMENT SCHEDULE

TAG	DESCRIPTION	COMMENTS
51	TV & WALL MOUNT	OFCI
52	RESIDENTIAL WASHER	OFCI
53	RESIDENTIAL DRYER	OFCI
54	REFRIGERATOR	OFCI
55	COMMERCIAL GRADE FREEZER	OFOI
56	ICE MACHINE - OFOI - COORDINATE WITH MEP	OFOI
57	STORAGE SHELVES	OFCI
58	POOL TABLE	OFOI
59	KITCHEN ISLAND	OFOI

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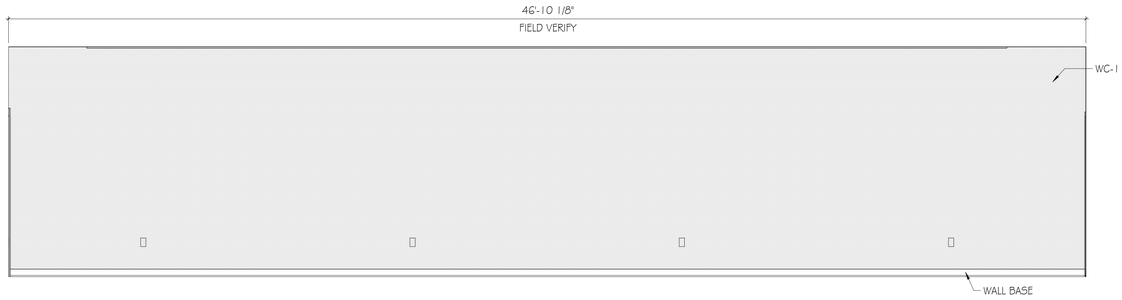
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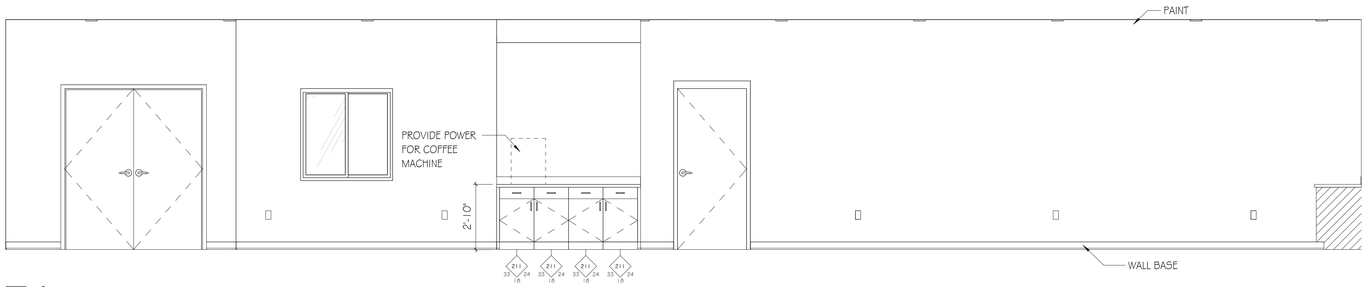
ENLARGED PLANS & INTERIOR ELEVATIONS

A7.01

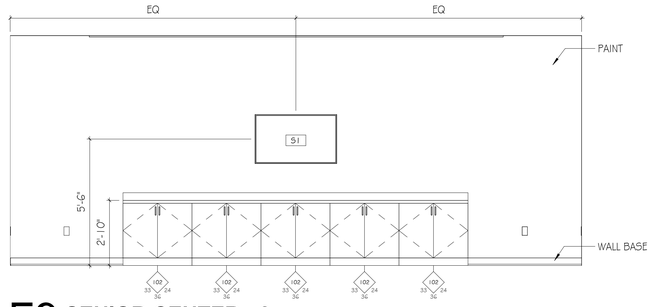
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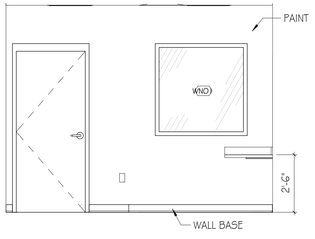
H1 SENIOR CENTER -1
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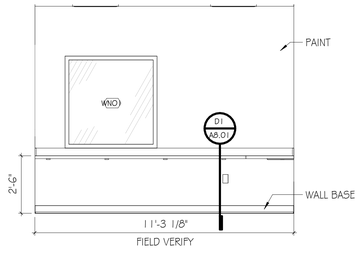
F1 SENIOR CENTER - 2
SCALE: 3/8" = 1'-0"



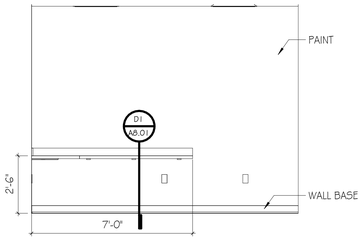
F9 SENIOR CENTER - 3
SCALE: 3/8" = 1'-0"



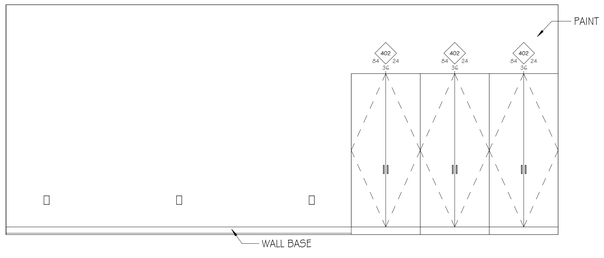
D1 OFFICE - 1
SCALE: 3/8" = 1'-0"



D3 OFFICE - 2
SCALE: 3/8" = 1'-0"



D6 OFFICE - 3
SCALE: 3/8" = 1'-0"



B1 ACTIVITY ROOM STORAGE
SCALE: 3/8" = 1'-0"

CASEWORK SCHEDULE

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

CDS #	CASEWORK TYPE	DESCRIPTION
100	BASE CAB	OPEN W/ ADJUSTABLE SHELVES
102	BASE CAB	DBL DOOR
211	BASE CAB	SGL DOOR / SGL DRWR
302	WALL CAB	DBL DOORS
400	TALL STG	OPEN W/ ADJUSTABLE SHELVES
402	TALL STG	DBL DOOR
ADA	BASE CAB	ADA SINK

SPECIALTY EQUIPMENT SCHEDULE

TAG	DESCRIPTION	COMMENTS
51	TV # WALL MOUNT	OFCI
52	RESIDENTIAL WASHER	OFCI
53	RESIDENTIAL DRYER	OFCI
54	REFRIGERATOR	OFCI
55	COMMERCIAL GRADE FREEZER	OFOI
56	ICE MACHINE - OFOI - COORDINATE WITH MEP	OFOI
57	STORAGE SHELVES	OFCI
58	POOL TABLE	OFOI
59	KITCHEN ISLAND	OFOI

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FALKVILLE SENIOR CENTER
MORGAN COUNTY COMMISSION / 262 E
PIKE RD, FALKVILLE, AL 35622

GMC # AHUN240006

STATE OF ALABAMA
JEFFREY DANIEL PARNELL
9601
REGISTERED ARCHITECT

INTERIOR ELEVATIONS

A7.02

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ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALL	MILLWORK/CASEWORK		COMMENTS
					CABINET	COUNTERTOP	
100	LOBBY	LVT-1 / WOC-1	RB-1	PNT-1 / RR-1			
101	COMMUNITY ROOM	LVT-1 / WOC-1	RB-1	PNT-1 / RR-1			
102	STORAGE	LVT-1	RB-1	PNT-1			
103	SENIOR CENTER	LVT-1	RB-1	PNT-1 / RR-1	PL-1	SS-1	
104	OFFICE	CPT-1	RB-1	PNT-1	PL-1	SS-1	
105	BREAKOUT ROOM	LVT-1	RB-1	PNT-1 / RR-1			
106	ACTIVITY ROOM	CPT-1	RB-1	PNT-1 / RR-1	PL-1	-	
107	HALL	LVT-1 / WOC-1	RB-1	PNT-1			
108	DATA	SC-1	RB-1	PNT-1			FLOOR TO BE CUT IN AREA
109	JAN	SC-1	RB-1	PNT-1			FLOOR TO BE CUT IN AREA
110	LAUNDRY	SC-1	RB-1	PNT-1			FLOOR TO BE CUT IN AREA
111	VESTIBULE	HTF-1	HTB-1	PNT-1			
112	WOMEN	HTF-1	HTB-1	HTW-1 & 2	PL-1	SS-2	
113	MEN	HTF-1	HTB-1	HTW-1 & 2	PL-1	SS-2	
114	KITCHEN	HTF-2	HTB-2	WP-1	PL-1	SS-1	
115	PANTRY	HTF-2	HTB-2	WP-1	PL-1	-	
116	ELECTRICAL	LVT-1 / WOC-1	RB-1	PNT-1			
117	CIRCULATION						

TOILET ACCESSORIES SCHEDULE

TAG	DESCRIPTION	COMMENTS
TA01	TOILET TISSUE DISPENSER	OFCI
TA03	PAPER TOWEL DISPENSER	OFCI
TA19	SOAP DISPENSER	OFCI
TA23	18" VERTICAL GRAB BAR	CFCI
TA24	36" HORIZONTAL GRAB BAR	CFCI
TA25	42" HORIZONTAL GRAB BAR	CFCI
TA31	MIRROR, CHANNEL FRAMED WITHOUT SHELF (24 x 36 INCHES)	CFCI
TA36	SANITARY NAPKIN DISPOSAL - SURF-MT, BOTTOM HINGED	CFCI
TA95	MOP & BROOM HOLDER WITH UTILITY SHELF	CFCI

CASEWORK SCHEDULE

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

CDS #	CASEWORK TYPE	DESCRIPTION
100	BASE CAB	OPEN W/ ADJUSTABLE SHELVES
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SPECIALTY EQUIPMENT SCHEDULE

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51	TV & WALL MOUNT	OFCI
52	RESIDENTIAL WASHER	OFCI
53	RESIDENTIAL DRYER	OFCI
54	REFRIGERATOR	OFCI
55	COMMERCIAL GRADE FREEZER	OFCI
56	ICE MACHINE - OFOI - COORDINATE WITH MEP	OFOI
57	STORAGE SHELVES	OFCI
58	POOL TABLE	OFOI
59	KITCHEN ISLAND	OFOI

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

- CAULK AT ALL FLOORING TO DOOR FRAME CONDITIONS – CAULK TO MATCH FLOORING OR DOOR FRAME COLOR

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

WALLS:

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

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

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

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

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

MILLWORK / CASEWORK:

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

- 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

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

- NON ADA TOILET FIXTURES SHALL BE CENTERED IN STALL

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

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

RCP NOTES:

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

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

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

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

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

- 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

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

FINISH LEGEND

FLOOR

NUMBER	TYPE	DETAIL DESCRIPTION
CPT-1	CARPET	MANUFACTURER: J+J FLOORING STYLE NAME: KINETICS - RENEWAL 1857 COLOR: MICROFORM 3518 SIZE: 24" X 24" INSTALLATION: ASHLAR LOCATION: ACTIVITY ROOM
WOC-1	CARPET	MANUFACTURER: SHAW CONTRACT STYLE NAME: JIVE TILE - 5T412 COLOR: TRAVERSE - 12557 SIZE: 24" X 24" INSTALLATION: ASHLAR LOCATION: ENTRY WHERE NOTED
LVT-1	LUXURY VINYL TILE	MANUFACTURER: PATCRAFT STYLE NAME: SPLITWOOD COLOR: RAW GOLD-V2 00130 SIZE: 9" X 60" INSTALLATION: RANDOM LAP LOCATION: TYPICAL
SC-1	SEALED CONCRETE	MANUFACTURER: SHERWIN WILLIAMS STYLE NAME: ARMORSEAL REXTHANE 1 WITH ANTI-SLIP ADDITIVE COLOR: 2 COATS - COLOR TBD LOCATION: WHERE NOTED
HTF-1	HARD FLOOR TILE	MANUFACTURER: DALTILE STYLE NAME: VOLUME 1.0 COLOR: INTENSITY PEBBL VL72 MATTE SIZE: 12" X 24" INSTALLATION: ASHLAR GROUT: 100% SOLIDS EPOXY - TBD LOCATION: TOILETS
HTF-2	HARD TILE FLOOR - QUARRY TILE	MANUFACTURER: CROSSVILLE STYLE NAME: CROSS- COLORS MINGLES - CROSS TREAD COLOR: GRAPHITE CT5 SMP SIZE: 8" X 8" GROUT: 100% SOLIDS EPOXY - TBD LOCATION: KITCHEN

BASE

NUMBER	TYPE	DETAIL DESCRIPTION
RB-1	RUBBER BASE	MANUFACTURER: JOHNSONITE/TARKETT STYLE NAME: BASEWORKS THERMOSET COLOR: CEMENT CB 121 SIZE: 4" CONTINUOUS COIL W/ TOE LOCATION: TYPICAL
HTB-1	HARD TILE BASE	MANUFACTURER: MATCH HTF-1 STYLE NAME: COVE BASE P36C9 COLOR: MATCH HTF-1 SIZE: 6" X 12" LOCATION: MATCH HTF-1
HTB-2	HARD TILE BASE	MANUFACTURER: MATCH HTF-2 STYLE NAME: COVE BASE COLOR: MATCH HTF-2 SIZE: 6" HIGH LOCATION: MATCH HTF-2

WALL

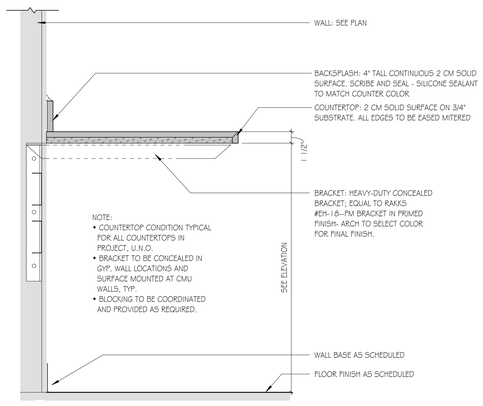
NUMBER	TYPE	DETAIL DESCRIPTION
PNT-1	[GENERAL/MAIN PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: AGREEABLE GRAY SW 7029 LOCATION: TYPICAL
PNT-2	[TRIM PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: ELEPHANT EAR SW 9168 LOCATION: DOOR FRAMES & METAL TRIM
PNT-3	[MAIN CEILING/SOFFIT PAINT]	MANUFACTURER: SHERWIN WILLIAMS COLOR: SNOWBOUND SW7004 LOCATION: GYP CEILINGS UNO
PNT-4	ACCENT PAINT	MANUFACTURER: SHERWIN WILLIAMS COLOR: SECRET COVE SW 9058 LOCATION: ACCENT LOCATIONS WHERE NOTED
HTW-1	HARD WALL TILE	MANUFACTURER: TILE BAR STYLE NAME: BASIC TRAVERTINE - MATTE PORCELAIN COLOR: COTTON SIZE: 12" X 24" INSTALLATION: VERTICAL ASHLAR GROUT: 100% SOLIDS EPOXY- TBD LOCATION: TOILET TYPICAL
HTW-2	HARD WALL TILE	MANUFACTURER: TILE BAR STYLE NAME: CAROLINA - POLISHED CERAMIC COLOR: SKY SIZE: 2" X 20" INSTALLATION: VERTICAL ASHLAR GROUT: LOCATION: TOILET ACCENT
WC-1	WALL COVERING	MANUFACTURER: LEVEL STYLE NAME: VEIL AQUATIC # L18-2101 LOCATION: WHERE NOTED

MISC

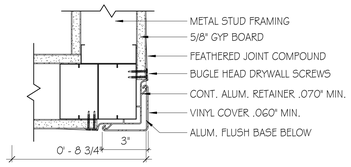
NUMBER	TYPE	DETAIL DESCRIPTION
PL-1	PLASTIC LAMINATE [TYP. FACE]	MANUFACTURER: FORMICA STYLE NAME: PLATINUM - MATTE TEXTURE LOCATION: TYPICAL & TOILETS
SS-1	SOLID SURFACE	MANUFACTURER: CORIAN COLOR: LIMESTONE PRIMA LOCATION: TYPICAL
SS-2	SOLID SURFACE	MANUFACTURER: WILSONART COLOR: GOLDEN SAIL 923455 LOCATION: TOILETS
TP-1	TOILET PARTITIONS	MANUFACTURER: ASI GLOBAL PARTITIONS COLOR: #9237 CHARCOAL MUST PASS NFPA 286 LOCATION: TOILET PARTITIONS
CG-1	CORNER GUARDS	MANUFACTURER: CS ACROVYN STYLE NAME: SM-20N SERIES ACROVYN 4000 COLOR: DRIFTWOOD #262 SIZE: 3" FULL HEIGHT LOCATION: PROVIDE TO CEILING AT ALL EXPOSED GYP CORNERS
WP-1	WALL PROTECTION	MANUFACTURER: CS ACROVYN STYLE NAME: .040 CS ACROVYN SHEET COLOR: DRIFTWOOD #262 SIZE: 3" FULL HEIGHT LOCATION: KITCHEN AND PANTRY
RR-1	RUB RAIL	MANUFACTURER: CS ACROVYN STYLE NAME: ACROVYN RUBSTRIPS .040" COLOR: DRIFTWOOD #262 SIZE: 10" HIGH LOCATION: ALL PAINTED GYP WALLS IN SCHEDULED ROOMS - INSTALL 30" AFF TO BOTTOM OF RUB RAIL

CEILING

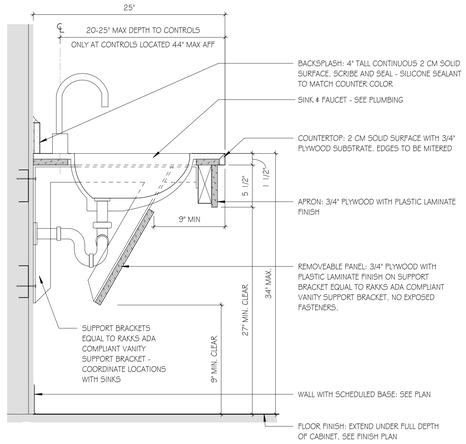
NUMBER	TYPE	DETAIL DESCRIPTION
ACT-1	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG CEILINGS STYLE: ULTIMA HIGH NRC 1940 COLOR: WHITE SIZE: 24" X 24" X 7/8" SUSPENSION SYSTEM: 15/16" PRELUDE
ACT-2	ACOUSTICAL CEILING TILE SYSTEM	MANUFACTURER: ARMSTRONG CEILINGS STYLE: CLEAN ROOM VL 866 UNPERFORATED COLOR: WHITE SIZE: 24" X 24" X 5/8" SUSPENSION SYSTEM: 15/16" PRELUDE XL
GYP-1	GYP BOARD CEILING	PAINTED GYP BOARD CEILING COLOR: PNT-3 (U.N.O. ON RCP)
GYP-2	GYP BOARD CEILING	TYPE X GYP BOARD CEILING - 1 HOUR FIRE RATED COLOR: PNT-3 (U.N.O. ON RCP)
MGB-1	MOISTURE RESISTANT GYP BOARD CEILING	PAINTED GYP BOARD CEILING - MOISTURE RESISTANT COLOR: PNT-3 (U.N.O. ON RCP)
EXP-1	EXPOSED TO STRUCTURE	EXPOSED TO STRUCTURE - WITH NO FINISH
EXP-2	EXPOSED TO STRUCTURE	EXPOSED TO STRUCTURE - WITH FINISH PAINT ALL EXPOSED ELEMENTS COLOR: PNT-1



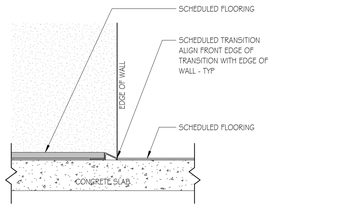
D1 **COUNTERTOP W/ CONCEALED BRACKET**
SCALE: 1 1/2" = 1'-0"



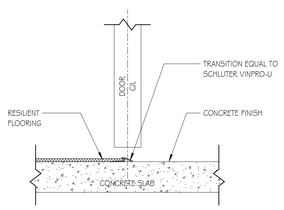
D4 **3" CORNER GUARD, FLUSH**
SCALE: 3" = 1'-0"



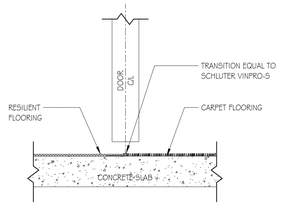
A1 **06 - ADA SINKBASE - TYPE SS-I-SS-B-25**
SCALE: 1 1/2" = 1'-0"



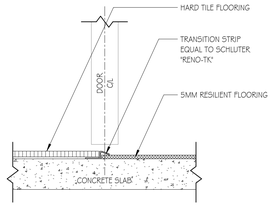
C4 **09- TYP EDGE OF WALL TRANSITION**
SCALE: 3" = 1'-0"



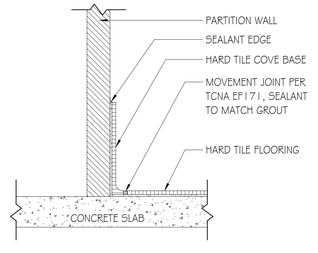
A4 **09- RESILIENT TO SC - METAL**
SCALE: 3" = 1'-0"



A6 **09- RESILIENT TO CPT- METAL**
SCALE: 3" = 1'-0"



A9 **09- HARD TILE TO 5MM RESILIENT**
SCALE: 3" = 1'-0"



A11 **09- COVE BASE - HARD TILE**
SCALE: 3" = 1'-0"

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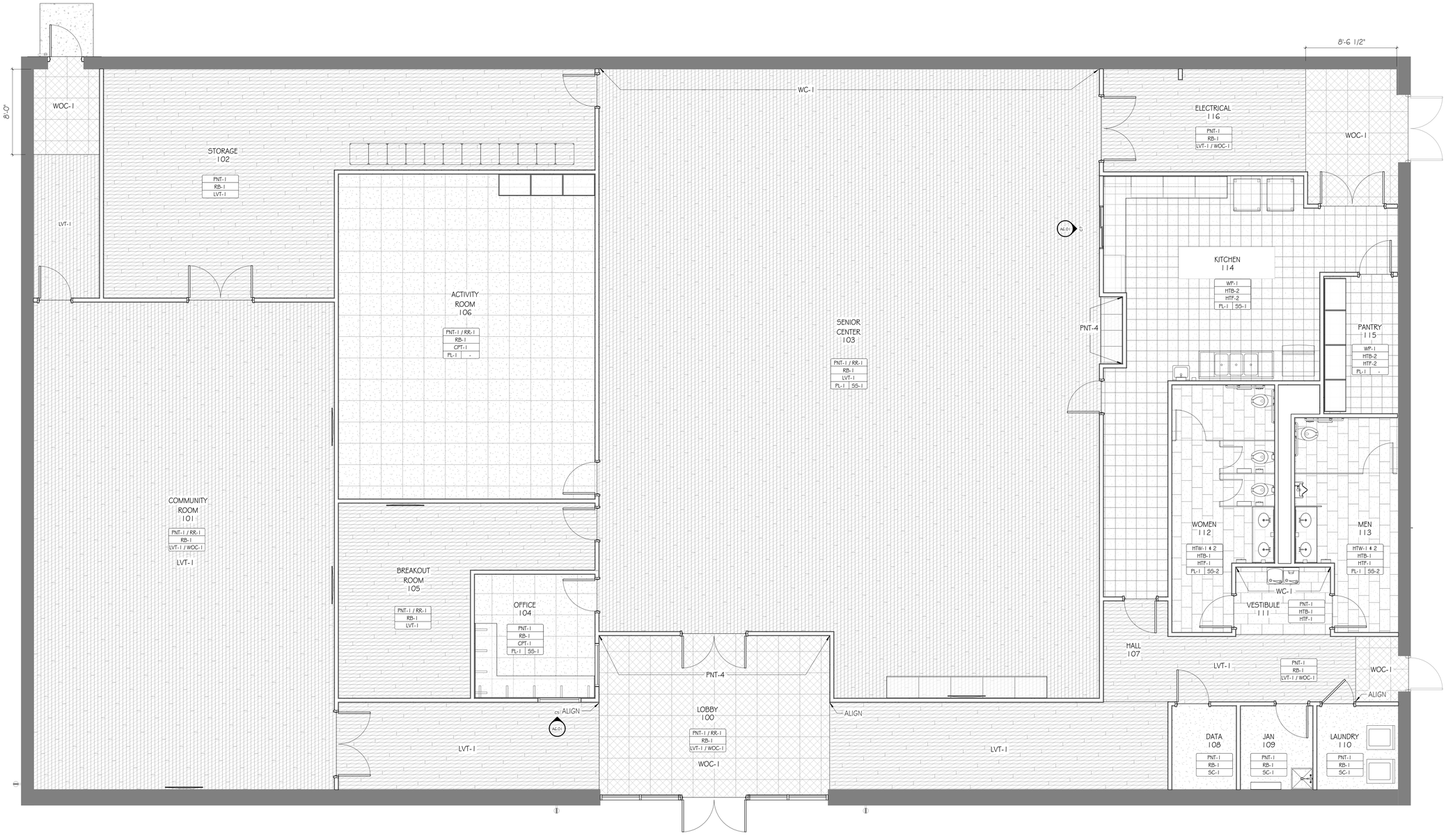
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STATE OF ALABAMA
JEFFREY DANIEL PARRELL
9601
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REGISTERED ARCHITECT

FINISH LEGEND & SCHEDULE

A8.01

9/17/2026 11:04:04 AM TEMPLATE VERSION: 2022.1



PLAN NORTH TRUE NORTH

A2 NEW CONSTRUCTION FLOOR FINISH PLAN

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

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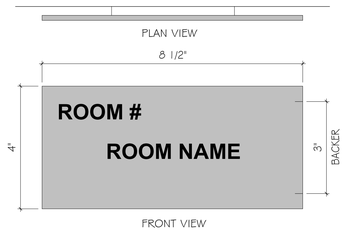
STATE OF ALABAMA
JEFFREY DANIEL PARNELL
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FINISH PLAN

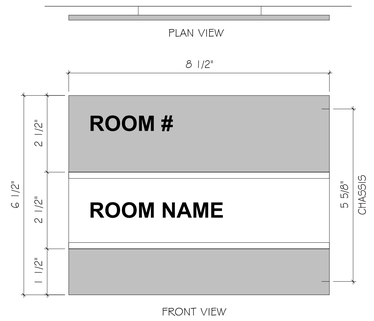
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SIGNAGE TYPES:

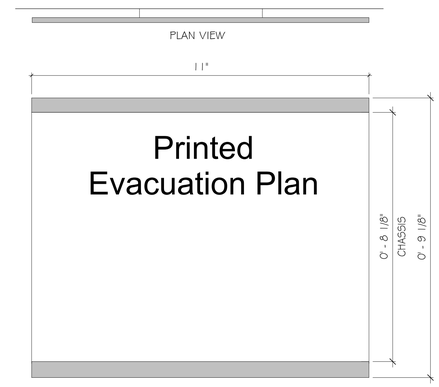
BASED ON APCO SIGNS ELEVATE SERIES



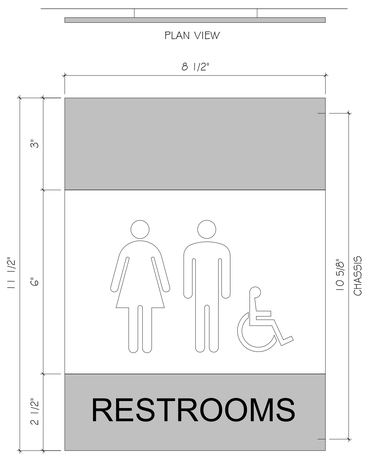
TYPE: A2 (EV85)
SIZE: 4" X 8.5"
MOUNTING: VT
QUANTITY: SEE SCHEDULE



TYPE: A3 (EV85)
SIZE: 8.5" X 6 5/8"
MOUNTING: VT
QUANTITY: SEE SCHEDULE



TYPE: A8 (EV11)
SIZE: 11" X 9 1/8"
MOUNTING: VT
QUANTITY: SEE LIFE SAFETY PLANS - BUDGET MINIMUM OF 4



TYPE: A6 (EV85)
SIZE: 8.5" X 11 5/8"
SYMBOL: A5 REQUIRED
MOUNTING: VT
QUANTITY: SEE SCHEDULE

SIGNAGE SCHEDULE

PLAN NUMBER	SIGN NUMBER	PLAN NAME	SIGN NAME	SIGN TYPE	SIGNAGE COMMENTS
100		LOBBY			
101		COMMUNITY ROOM		A3	
102		STORAGE		A2	
103		SENIOR CENTER		A3	
104		OFFICE		A3	
105		BREAKOUT ROOM		A3	
106		ACTIVITY ROOM		A3	
107		HALL		-	
108		DATA		A2	
109		JAN		A2	
110		LAUNDRY		A2	
111		VESTIBULE		-	
112		WOMEN		A6	
113		MEN		A6	
114		KITCHEN		A3	
115		PANTRY		A2	
116		ELECTRICAL		A2	
117		CIRCULATION			

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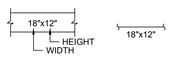
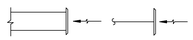
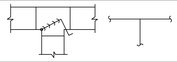
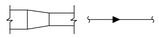
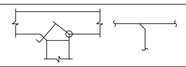
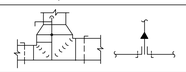
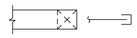
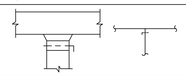
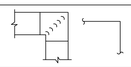
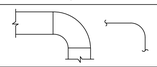
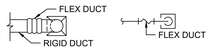
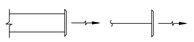
STATE OF ALABAMA
JEFFREY DANIEL PARRELL
9601
REGISTERED ARCHITECT
DECATUR, ALABAMA

SIGNAGE

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MECHANICAL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SUPPLY/RETURN GRILLES TAG		DUCT SIZE TAG
	DUCTWORK, DOUBLE LINE AND SINGLE LINE.		WALL RETURN OR EXHAUST REGISTER
	SUPPLY DUCTWORK. DIMENSIONS ARE NET FREE AREA.		RETURN OR EXHAUST REGISTER OR GRILLE
	RETURN OR EXHAUST DUCTWORK. DIMENSIONS ARE NET FREE AREA.		VOLUME EXTRACTOR (VE) WITH PUSH-PULL LOCKING ADJUSTMENT ROD
	TRANSITION. 4:1 RATIO FOR LOW PRESSURE, 7:1 RATIO FOR HIGH PRESSURE.		SPLITTER DAMPER (SPD) WITH PUSH-PULL LOCKING ADJUSTMENT ROD
	ELBOW TURNED UP WITH TURNING VANES		SPLITTER DAMPER (SPD) WITH PUSH-PULL LOCKING ADJUSTMENT ROD
	ELBOW TURNED DOWN WITH TURNING VANES		RECTANGULAR TO ROUND OR CONICAL TAKEOFF AND DAMPER WITH STANDOFF BRACKET
	ROUND DUCT TURNED DOWN		PIPE TURNED DOWN
	ROUND DUCT TURNED UP		PIPE TURNED UP
	SQUARE TYPE ELBOW WITH DOUBLE THICKNESS VANES. VANES REQUIRED IN ALL DUCTWORK ELBOWS UNLESS NOTED OTHERWISE.		DUCT SMOKE DETECTOR
	RADIUS TYPE ELBOW WITH TURNING VANES. INSIDE RADIUS EQUALS WIDTH.		THERMOSTAT
	MOTOR OPERATED DAMPER (MOD) ALL MOD SHALL HAVE 12X12 AP UNLESS NOTED OTHERWISE		CARBON DIOXIDE SENSOR
	DIFFUSER WITH HARD SUPPLY DUCTWORK AND FLEXIBLE DUCTWORK TO DIFFUSER		WALL MOUNTED PUSH BUTTON STARTER
	WALL SUPPLY REGISTER		WALL MOUNTED PUSH-BUTTON EMERGENCY SWITCH

GENERAL MECHANICAL NOTES

1. CONTRACTOR TO COORDINATE ALL GRILLE LOCATIONS WITH OTHER DISCIPLINES INCLUDING LIGHTS, SPRINKLER HEADS, AND ANY FIRE ALARM OR COMMUNICATION EQUIPMENT.
2. DUCTWORK TO BE CONSTRUCTED AND SEALED PER SMACNA STANDARDS.
3. KEEP INSULATED FLEX DUCT LENGTHS TO A MAXIMUM OF 6 FEET IN LENGTH.
4. TAB WORK TO BE COMPLETED BY TESTING AGENCY CERTIFIED BY AABC OR NEBB.
5. BECAUSE THERE ARE NO AS-BUILT DRAWINGS, PLANS, OR TAB REPORTS, MECHANICAL AND TAB CONTRACTOR ARE RESPONSIBLE FOR IDENTIFYING THE SYSTEM WHICH SERVES EACH SUPPLY GRILLE AND WILL BE IDENTIFIED BY A SCHEMATIC DRAWING WITHIN THE TAB REPORT.

HEATING, VENTILATION AND AIR CONDITIONING SPECIFICATIONS

PART 1 - GENERAL REQUIREMENTS

1.1 SUMMARY
- A. SECTION INCLUDES
  1. MANUAL VOLUME DAMPERS
  2. FLEXIBLE DUCTS, INSULATED
  3. AIR DIFFUSERS
  4. REGISTERS AND GRILLES

1.2 ACTION SUBMITTALS
- A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT.
  1. INCLUDE CONSTRUCTION DETAILS, MATERIAL DESCRIPTIONS, DIMENSIONS OF INDIVIDUAL COMPONENTS AND PROFILES.

1.3 CLOSEOUT SUBMITTALS
- A. OPERATION AND MAINTENANCE DATA: FOR MAINTENANCE MANUALS.
- B. NEBB OR AABC CERTIFIED TAB REPORT FOR ALL AIR HANDLING EQUIPMENT, EXHAUST FANS AND SUPPLY GRILLES.

1.4 WARRANTY
- A. MANUFACTURER AGREES TO REPAIR OR REPLACE COMPONENTS THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD.
  1. WARRANTY PERIOD FOR ALL DEVICES: ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.

PART 2 - PRODUCTS

2.1 GENERAL REQUIREMENTS
- A. PROJECT WILL RE-USE ALL AIR HANDLING AND DUCT DISTRIBUTION SYSTEMS. DUCTWORK HAS BEEN SUSPECTED OF HAVING SIGNIFICANT AIR LEAKAGE, THEREFORE, DUCTWORK WILL BE SEALED USING STANDARD SEALING METHODS SUCH AS TAPE AND SUITABLE MASTICS BEFORE ANY TAB MEASUREMENTS CAN OCCUR. ON COMPLETION OF DUCT SEALING, PRELIMINARY TAB AIRFLOW MEASUREMENTS WILL BE COMPLETED AND A REPORT PROVIDED TO THE ENGINEER FOR REVIEW. REPORT SHALL PROVIDE A PLAN SHOWING EACH SUPPLY GRILLE LOCATION, AIRFLOWS, AND NUMBERED ACCORDING TO THE SYSTEM SERVING EACH GRILLE AND PROVIDE COMPLETE AIR HANDLER OPERATING CHARACTERISTICS INCLUDING STATIC PRESSURE PROFILES IN ACCORDANCE WITH NEBB OR AABC STANDARDS. ONLY WHERE REQUIRED DUE INCREASED BRANCH DUCT SIZE WILL EXISTING BRANCH CONNECTIONS BE ENLARGED AND NEW SPIN-INS WITH DAMPER INSTALLED AND PROPERLY SEALED. EXISTING BRANCH DUCTS WILL BE RE-USED WHERE NO SIZE INCREASE IS REQUIRED. WORK SHALL COMPLY WITH SMACNA STANDARDS.

2.2 MANUAL VOLUME DAMPERS
- A. VOLUME DAMPERS SHALL BE GALVANIZED STEEL, COMBINATION SPIN-IN WITH LOCKABLE VOLUME DAMPERS WITH EACH BRANCH CONNECTION PROPERLY SEALED.
- B. ACCEPTABLE MANUFACTURERS: ECCO, CONKLIN, CROWN, SOUTHWORK, DEFLECTO

2.3 INSULATED FLEX DUCT
- A. CLASS 1, TWO-PLY VINYL FILM SUPPORTED BY HELICALLY WOUND SPRING STEEL WIRE, FIBROUS GLASS INSULATION CONNECTED WITH A VINYL STRAP.
- B. ACCEPTABLE MANUFACTURERS: THERMAFLEX, QUIETFLEX, J.P. LAMBORN, HART COOLEY, FLEXMASTER

2.4 SUPPLY DIFFUSERS
- A. STEEL SQUARE 24"X24" LAY-IN CEILING DIFFUSERS WITH BAKED ENAMEL WHITE FINISH. FIXED PATTERN. THREE CONE WITH ROUND NECK ADAPTER.
- B. ACCEPTABLE MANUFACTURERS: NAILOR, PRICE, TITUS, METAL-FAB, METALAIRE

2.5 RETURN REGISTERS
- A. STEEL SQUARE 24"X24" LAY-IN EGGCRATE RETURN REGISTER WITH BAKED ENAMEL FINISH
- B. ACCEPTABLE MANUFACTURERS: NAILOR, PRICE, TITUS, METAL-FAB, METALAIRE

HVAC ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
ACFM	BELOW FINISHED FLOOR	M.C.	MECHANICAL CONTRACTOR
AHU	AIR HANDLER UNIT	MCA	MIN. CIRCUIT AMPS
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE	MCB	MAX. CIRCUIT BREAKER
AMP	AMPERE	MIN	MINIMUM
APD	AIR PRESSURE DROP	N/A	NOT APPLICABLE
APPROX	APPROXIMATE	NG	NATURAL GAS
BTU	BRITISH THERMAL UNIT	NO	NUMBER
BTUH	BRITISH THERMAL UNITS PER HOUR	OBD	OPPOSED BLADE DAMPERS
MBH	BTU PER HOUR (THOUSAND)	OA	OUTSIDE
CD	CONDENSATE DRAIN	OAT	OUTSIDE AIR TEMP
CHWS	CHILLED WATER SUPPLY	PH	PHASE (ELECTRICAL)
CFM	CUBIC FEET PER MINUTE	LBS	POUNDS
CSFD	CEILING SMOKE & FIRE DAMPER	PD	PRESSURE DROP OR DIFFERENCE
CRAC	COMPUTER ROOM AIR CONDITIONER	RH	RELATIVE HUMIDITY
SCFM	CFM, STANDARD CONDITIONS	RA	RETURN AIR
DIA	DIAMETER	RTU	ROOF TOP UNIT
ID	INSIDE DIAMETER	SEER	SEASONAL ENERGY EFFICIENCY RATING
OD	OUTSIDE DIAMETER	SH	SENSIBLE HEAT
EAT	ENTERING AIR TEMPERATURE	SOV	SHUT OFF VALVE
E.C.	ELECTRICAL CONTRACTOR	SPEC	SPECIFICATION
EF	EXHAUST FAN	SP	STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE	ESP	EXTERNAL STATIC PRESSURE
F°	FAHRENHEIT	SA	SUPPLY AIR
FSD	FIRE/SMOKE DAMPER	TEMP	TEMPERATURE
FT	FOOT OR FEET	TD	TEMPERATURE DIFFERENCE
HZ	FREQUENCY	T-STAT	THERMOSTAT
G.C.	GENERAL CONTRACTOR	T.C.	TEMPERATURE CONTROL

GMC

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ISSUE | DATE
ISSUED FOR BID | 09.16.2026

DESIGNED BY: N/A, RWJ
DRAWN BY: N/A
CHECKED BY: RWJ

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PIKE RD, FALKVILLE, AL 35622



GMC # AHUN240006

MECHANICAL LEGENDS, ABBREVIATIONS, & NOTES

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GRILLE AND DIFFUSER SCHEDULE

PLAN CODE	MFGR	MODEL NO	TYPE	NOMINAL FACE SIZE	NECK SIZE	MATERIAL	COLOR	TYPE	NOTES
A	PRICE	SPD	SUPPLY	24" X 24"	10"	STEEL	WHITE	LAY-IN	1
B	PRICE	SPD	SUPPLY	24" X 24"	8"	STEEL	WHITE	LAY-IN	1
C	PRICE	SPD	SUPPLY	24" X 24"	6"	STEEL	WHITE	LAY-IN	1
D	PRICE	500L	SUPPLY	12" X 8"	SEE DWG.	STEEL	WHITE	WALL-MOUNTED	1
D	PRICE	500L	SUPPLY	12" X 8"	SEE DWG.	STEEL	WHITE	WALL-MOUNTED	1
E	PRICE	SPD	RETURN	24" X 24"	14"	STEEL	WHITE	LAY-IN	1
F	PRICE	SPD	RETURN	24" X 24"	12"	STEEL	WHITE	LAY-IN	1
G	PRICE	SPD	RETURN	24" X 24"	10"	STEEL	WHITE	LAY-IN	1
H	PRICE	SPD	RETURN	24" X 24"	8"	STEEL	WHITE	LAY-IN	1
I	PRICE	SPD	RETURN	24" X 24"	6"	STEEL	WHITE	LAY-IN	1
J	PRICE	SDG	RETURN	12" X 12"	8"	STEEL	WHITE	DUCT-MOUNTED	1

NOTES:

1. PROVIDE TRANSITION FROM SQUARE NECK TO ROUND NECK.

FAN SCHEDULE

PLAN CODE	SERVICE LOCATION	MOUNTING LOCATION	MANUFACTURER	MODEL NO.	AIRFLOW (EXHAUST)	EXT. S.P. (IN. W.G.)	FRPM	MAX. SOUND (SONES)	WEIGHT (APPROX.)	ELECTRICAL			INTERLOCK WITH:	OPTIONS/ACCESSORIES
										MOTOR	FLA	V/PH./HZ		
EF-1	WOMEN'S RESTROOM	CEILING	GREENHECK	SP-A200-QD	150 CFM	0.35	900	3	24 LBS	53 W	0.47	115/1/60	LIGHT SWITCH	1, 2, 3
EF-2	MEN'S RESTROOM	CEILING	GREENHECK	SP-A110-VG	100 CFM	0.25	950	0.5	12 LBS	19 W	0.16	115/1/60	LIGHT SWITCH	1, 2, 3

OPTIONS/ACCESSORIES:

1. PROVIDE SINGLE POINT WIRING
2. PROVIDE BACKDRAFT DAMPER
3. PROVIDE STANDARD ROOF/WALL CAP

HEAT PUMP (SPLIT-SYSTEM) SCHEDULE

PLAN CODE		SERVICE LOCATION	TYPE	MFGR	MODEL NO.	AIRFLOW	EXT. S.P. (IN. W.G.)	CAPACITY		ELECTRICAL			SEER (MIN.)	MIN. INSTALL HEIGHT	NOTES
								COOLING	HEATING	V/PH./HZ	MCA	MOCP			
INDOOR	FCU-1	SEE DWG.	HEAT PUMP	RHEEM	RHMVY6021SEACAJL	1700 CFM	0.5	60000 BTU/HR	60000 BTU/HR	230/1/60	7 A	15 A	16	PER MANUFACTURER	1, 2, 3, 4, 5, 6
OUTDOOR	HP-1	SEE DWG.	HEAT PUMP	RHEEM	RP19AY60AJVCA	-	-	-	-	230/1/60	33 A	50 A	16	PER MANUFACTURER	1, 2, 3, 4, 5, 6
INDOOR	FCU-2	SEE DWG.	HEAT PUMP	RHEEM	RHMVY6021SEACAJL	1825 CFM	0.5	60000 BTU/HR	60000 BTU/HR	230/1/60	7 A	15 A	16	PER MANUFACTURER	1, 2, 3, 4, 5, 6
OUTDOOR	HP-2	SEE DWG.	HEAT PUMP	RHEEM	RP19AY60AJVCA	-	-	-	-	230/1/60	33 A	50 A	16	PER MANUFACTURER	1, 2, 3, 4, 5, 6
INDOOR	FCU-3	SEE DWG.	HEAT PUMP	RHEEM	RHMVY6021SEACAJL	1800 CFM	0.5	60000 BTU/HR	60000 BTU/HR	230/1/60	7 A	15 A	16	PER MANUFACTURER	1, 2, 3, 4, 5, 6
OUTDOOR	HP-3	SEE DWG.	HEAT PUMP	RHEEM	RP19AY60AJVCA	-	-	-	-	230/1/60	33 A	50 A	16	PER MANUFACTURER	1, 2, 3, 4, 5, 6
INDOOR	FCU-4	SEE DWG.	HEAT PUMP	RHEEM	RHMVY6021SEACAJL	1900 CFM	0.5	60000 BTU/HR	60000 BTU/HR	230/1/60	7 A	15 A	16	PER MANUFACTURER	1, 2, 3, 4, 5, 6
OUTDOOR	HP-4	SEE DWG.	HEAT PUMP	RHEEM	RP19AY60AJVCA	-	-	-	-	230/1/60	33 A	50 A	16	PER MANUFACTURER	1, 2, 3, 4, 5, 6

NOTES:

1. WALL-MOUNT DIGITAL THERMOSTAT WITH AUTO SWITCHOVER SCHEDULING.
2. MATCHING R-454B, AIR-COOLED CONDENSING UNIT, INVERTER COMPRESSOR. MOUNT ON EQUIPMENT PAD.
3. CONDENSATE LIFT PUMP (WHERE REQUIRED) AND HIGH LEVEL CUTOFF SWITCH.
4. PROTECTIVE WIRE GRILLES FOR OUTDOOR UNIT (IF NOT STANDARD).
5. APPROVED EQUALS: TRANE, CARRIER, LENNOX
6. PROVIDE WITH ADAPTER FOR HORIZONTAL RETURN AND 1" FILTER.

GMC

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DESIGNED BY: NJA, RWJ
DRAWN BY: NJA
CHECKED BY: RWJ

FALKVILLE SENIOR CENTER
MORGAN COUNTY COMMISSION / 262 E
PIKE RD, FALKVILLE, AL 35622

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MECHANICAL SCHEDULES

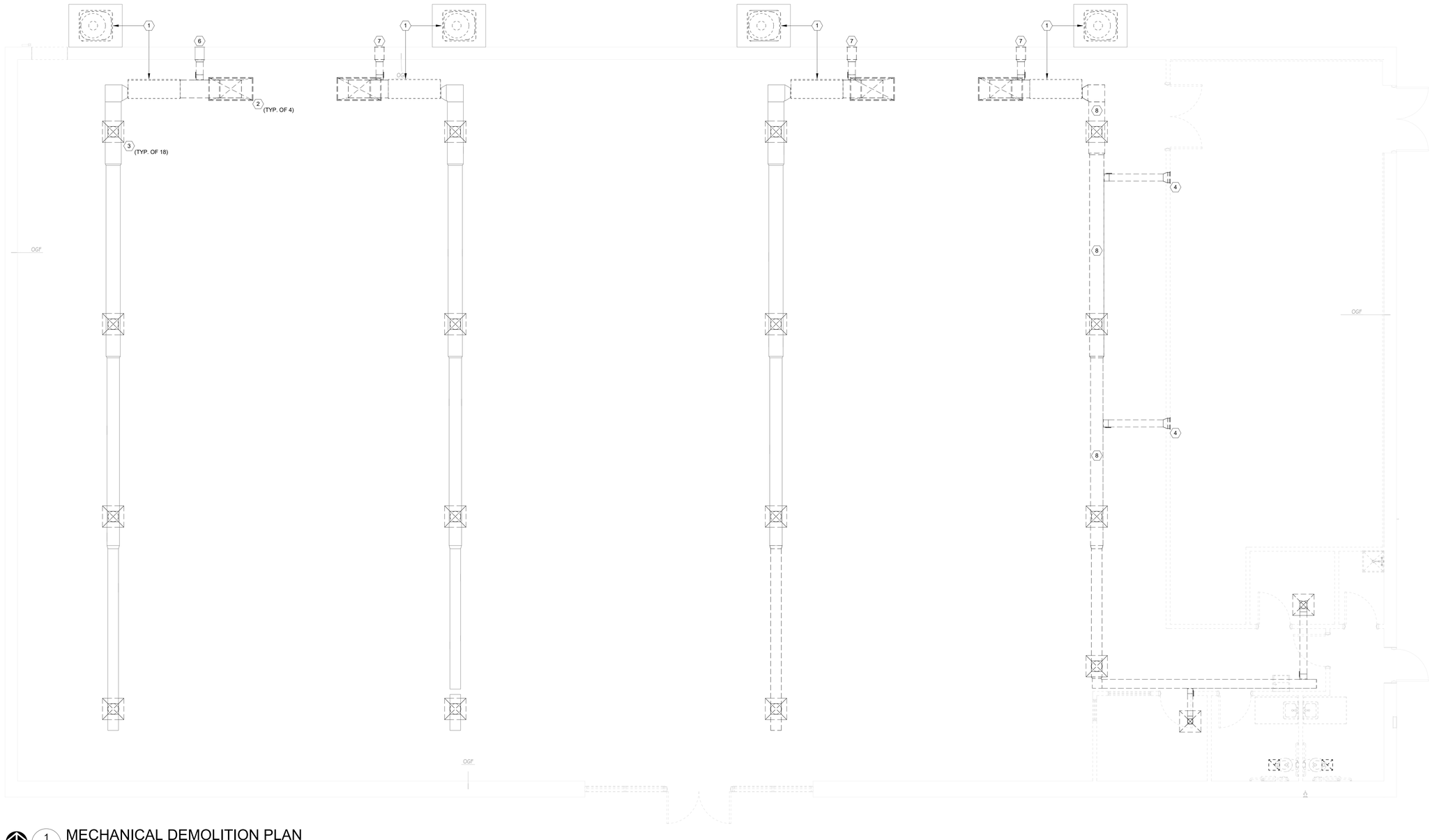
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GENERAL DEMOLITION NOTE:

1. MECHANICAL CONTRACTOR TO VISUALLY INSPECT AND LISTEN FOR LEAKS IN EXISTING DUCT DISTRIBUTION SYSTEMS. SEAL ALL LEAKS, AS REQUIRED FOR AN AIR TIGHT DUCT SYSTEM.
2. UPON COMPLETION OF DUCT SEALING, TAB CONTRACTOR TO COMPLETE PRELIMINARY AIRFLOW MEASUREMENT OF ALL EXISTING SUPPLY GRILLES AND PROVIDE ENGINEER WITH A COPY OF THE PRELIMINARY TAB REPORT TO INCLUDE ALL SUPPLY GRILLES AND HVAC EQUIPMENT OPERATING CHARACTERISTICS INCLUDING A STATIC PRESSURE PROFILE. WHEN PRELIMINARY TAB IS COMPLETE, REMOVE AND REPLACE EXISTING GRILLES AS SHOWN BELOW AND ON M1.01.

KEYED NOTES (#):

1. EXISTING HEAT PUMP AND ASSOCIATED INDOOR FAN COIL UNIT TO BE REMOVED.
2. RETURN GRILLES AND ASSOCIATED DUCT WORK TO BE REMOVED AND DISCARDED.
3. SUPPLY DIFFUSER TO BE REMOVED. CAP AND SEAL DUCT.
4. WALL MOUNTED SUPPLY GRILLE TO BE REMOVED. CAP AND SEAL DUCT.
5. EXISTING EXHAUST FAN TO BE REMOVED.
6. EXISTING LOUVER TO REMAIN FOR REUSE. REMOVE ASSOCIATED DUCT WORK.
7. EXISTING LOUVER TO BE RELOCATED FOR REUSE. REMOVE ASSOCIATED DUCT AND PATCH AND SEAL SIDING WEATHERTIGHT.
8. DUCT TO BE REUSED AND RELOCATED.



1 MD1.00 MECHANICAL DEMOLITION PLAN
1/4" = 1'-0"

PLAN NORTH
TRUE NORTH

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ISSUE	DATE
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CHECKED BY: RWJ

FALKVILLE SENIOR CENTER
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ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 34896
RICHARD W. JAMES
09/16/2026

GMC # AHUN240006

MECHANICAL
DEMOLITION PLAN

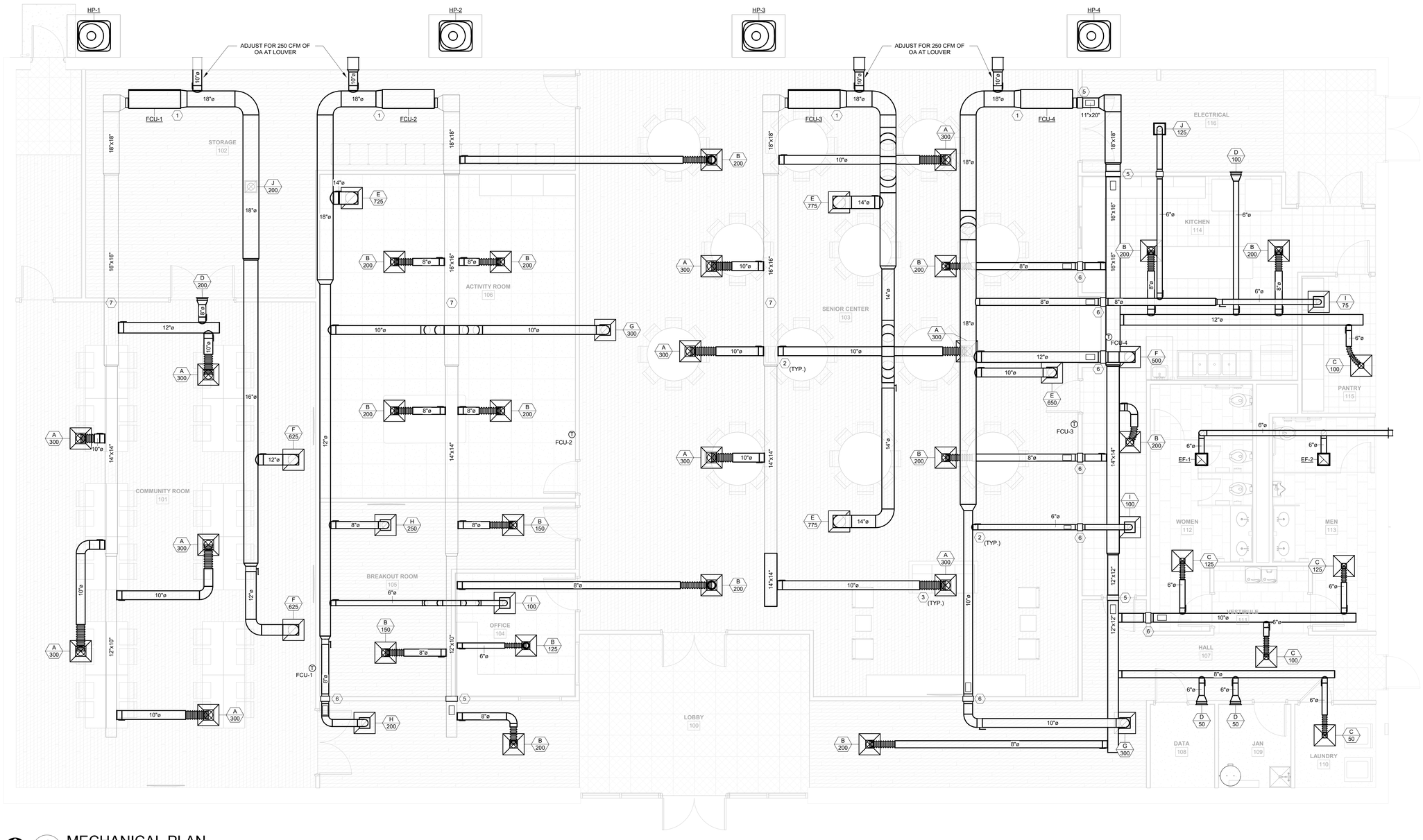
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GENERAL NOTES:

1. ALL PLUMBING AND HVAC SYSTEMS SHALL COMPLY WITH THE 2021 INTERNATIONAL PLUMBING CODE AND INTERNATIONAL MECHANICAL CODE AND ALL CURRENT STATE AND LOCAL CODES.
2. DUCTWORK SHOWN IS DIAGRAMMATIC ONLY. MECHANICAL CONTRACTOR SHALL FIELD VERIFY BY FIELD INVESTIGATION ALL EXISTING CONDITIONS PERTAINING TO THIS WORK. DEVIATION FROM THIS MECHANICAL DIAGRAM IS ALLOWED ONLY IF REQUIRED BY FIELD CONDITIONS. ACCEPTABILITY OF DEVIATIONS IS SUBJECT TO APPROVAL BY MECHANICAL ENGINEER. NOTIFY MECHANICAL ENGINEER 24 HOURS BEFORE COVERING ROUGH-IN DUCTWORK.
3. SUPPLY DUCTWORK SHALL BE CONSTRUCTED WITH GALVANIZED SHEET METAL (26 GAGE MINIMUM) UNLESS OTHERWISE INDICATED AND BE CONSTRUCTED PER SMACNA DUCK CONSTRUCTION STANDARDS.
4. INSTALL THERMOSTATS 48" ABOVE FINISHED FLOOR AS REQUIRED FOR PROPER EQUIPMENT OPERATION.
5. CONNECT GRILLES AND REGISTERS TO SHEET METAL DUCTWORK USING INSULATED FLEX DUCTWORK AND SPIN-IN W/DAMPER. FLEX DUCT LENGTH TO BE A MAXIMUM OF 6 FEET LONG.
6. DIMENSIONS LISTED FOR ACOUSTICALLY LINED DUCTWORK IS NET INSIDE SURFACE TO SURFACE. ADD 2" FOR OVERALL DUCT SIZE.
7. EXTERNAL DUCT INSULATION IS NOT REQUIRED ON DUCTWORK WHICH IS LINED.
8. PROVIDE FLEXIBLE CONNECTORS ON DUCTWORK TO UNITS.
9. COORDINATE DUCT ROUTING WITH ALL TRADES TO AVOID ANY CONFLICTS INCLUDING STORM DRAINS, SANITARY, SEWER, DOMESTIC WATER AND SPRINKLER PIPING.
10. USE TURNING VANES IN ALL RECTANGULAR ELBOWS, BOTH SUPPLY AND RETURN (TYP.).
11. MECHANICAL CONTRACTOR TO PROVIDE WHITE PLASTIC LABELS WITH BLACK LETTERING INDICATING EQUIPMENT NUMBERS ON AIR HANDLERS AND A/C UNITS.
12. ALL DUCTWORK TO BE CONSTRUCTED PER REQUIREMENTS OF "SMACNA" DUCT CONSTRUCTION STANDARDS. SEAL RECTANGULAR DUCT SEAMS FOR LESS THAN 2" SP.
13. ALL EQUIPMENT MUST BE SUBMITTED FOR APPROVAL BY ENGINEER PRIOR TO ORDERING. ALL WORK SHALL COMPLY WITH THE 2021 EDITION OF THE IMC, AND APPLICABLE CODES OF STATE AND LOCAL JURISDICTION.
14. COORDINATE MOUNTING HEIGHT ON ALL HEATERS, EXHAUST FANS AND LOUVERS WITH ALL TRADES PRIOR TO ROUGH-IN.
15. COORDINATE LOCATIONS OF ALL CEILING SUPPLY AND RETURN REGISTERS WITH LIGHTING, SPRINKLERS AND ALL OTHER CEILING MOUNTED DEVICES PRIOR TO INSTALLATION. NOTIFY ARCHITECT IMMEDIATELY ABOUT CONFLICTS.

KEYED NOTES (#):

1. TEST, ADJUST AND BALANCE TO BE COMPLETED BY A NEBB OR AABC CERTIFIED FIRM AND A COMPLETE TAB REPORT PROVIDED TO ENGINEER FOR REVIEW.
2. PROVIDE AND INSTALL SPIN-INS WITH DAMPERS ON EACH BRANCH OUTLET FOR BALANCING.
3. GRILLE CONNECTION TO BE MADE USING INSULATED VINYL STRAPS.
4. FCU'S TO BE PROVIDED WITH FULLY PROGRAMMABLE THERMOSTATS.
5. RUSKIN MODEL IBD2 STATIC FIRE DAMPER. USE FOR RECTANGULAR DUCT INTERSECTING 1-HR RATED FIREWALL. ACCESS DOOR TO BE INSTALLED IN DUCT FOR MAINTENANCE ACCESS.
6. RUSKIN MODEL FDR25 STATIC FIRE DAMPER. USE FOR ROUND DUCT INTERSECTING 1-HR RATED FIREWALL. ACCESS DOOR TO BE INSTALLED IN DUCT FOR MAINTENANCE ACCESS.
7. ANY EXISTING DUCT THAT IS BEING REUSED MUST BE CLEANED ENTIRELY BEFORE DUCT IS CONNECTED TO NEW SYSTEM.



1 M1.01 MECHANICAL PLAN
1/4" = 1'-0"

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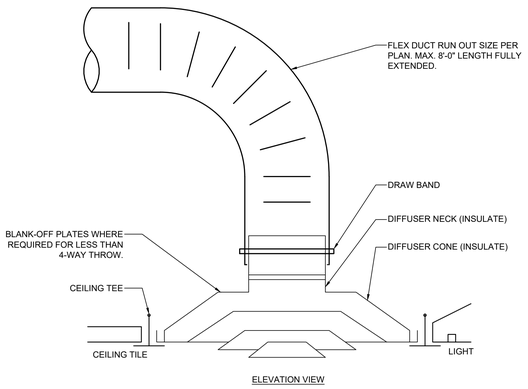
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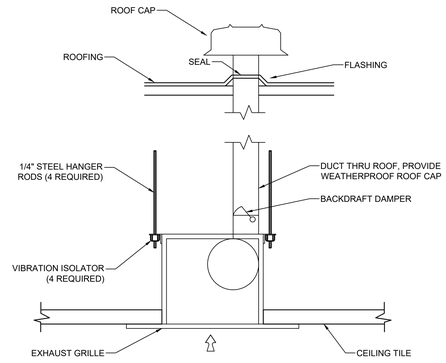
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MECHANICAL PLAN

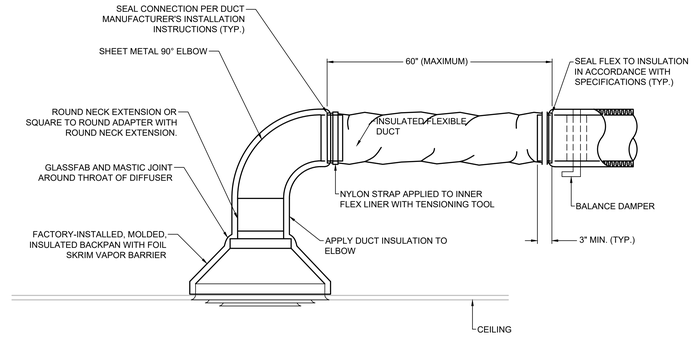
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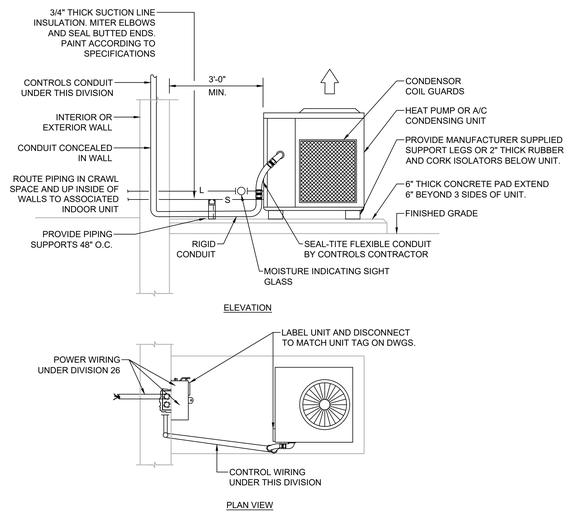
1 SUPPLY DIFFUSER MOUNTING DETAIL
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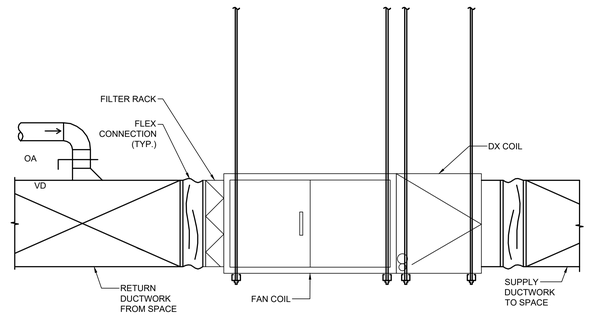
2 CEILING EXHAUST FAN DETAIL
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3 FLEXIBLE ROUND DUCT CONNECTION DETAIL
M5.01 NOT TO SCALE



4 HEAT PUMP INSTALLATION DETAIL
M5.01 NOT TO SCALE



5 FAN COIL UNIT HUNG FROM STRUCTURE DETAIL
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MECHANICAL DETAILS

M5.01

PLUMING LEGEND

DOMESTIC COLD WATER	——DCW——
DOMESTIC HOT WATER	——DHW——
SANITARY SEWER	——SS——
TEE FITTING	
ELBOW UP	
NEW POINT OF CONNECTION	

PLUMBING GENERAL NOTES

1. CONTRACTOR SHALL REMOVE EXISTING SERVICES SUCH AS WATER, WASTE, AND VENT PIPING SERVING FIXTURES AND/OR CONNECTIONS TO EQUIPMENT WHICH ARE SHOWN ON THE DRAWINGS TO BE REMOVED OR RELOCATED. PERMANENTLY SEAL AND CAP SERVICES NEXT TO THE MAIN SERVICE LINES ABOVE CEILINGS, IN WALLS, OR BELOW FLOORS. ALL EXISTING DOMESTIC HOT AND COLD WATER DEAD-LEG PIPING, WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE REMOVED OR SEAL AND CAP PIPING SYSTEM.
2. EXISTING PLUMBING FIXTURES AND RELATED ITEMS WHICH ARE TO BE REMOVED SHALL BE SUBMITTED TO THE OWNER. ITEMS THE OWNER WISHES TO RETAIN SHALL BE STORED BY THE CONTRACTOR WHERE DIRECTED BY THE OWNER. ALL OTHER ITEMS NOT RETAINED BY THE OWNER SHALL BE LEGALLY DISPOSED.
3. DRAWINGS SHOW KNOWN EXISTING SERVICES IN REASONABLE PROXIMITY. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS. NOTE DISCREPANCIES AND BRING TO THE ARCHITECT'S ATTENTION.
4. EXISTING FIXTURES, EQUIPMENT, SERVICES, AND CONNECTIONS WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE REWORKED OR REPLACED AS REQUIRED TO PROVIDE ORIGINAL CONDITION AND OPERATION.
5. PENETRATIONS THROUGH EXISTING WALLS AND FLOORS SHALL BE SLEEVED, PATCHED, AND SEALED/FIRESAFED TO MAINTAIN THE INTEGRITY OF EXISTING WALL AND FLOOR UL FIRE RESISTANCE RATING.
6. EXISTING PLUMBING SERVICES NOT SHOWN ON THE DRAWINGS SHALL REMAIN AS IS, UNLESS NOTED OTHERWISE.
7. CONTRACTOR SHALL COORDINATE THE INTERRUPTION OF EXISTING SERVICES WITH THE OWNER PRIOR TO DEMOLITION OR CONSTRUCTION. PROVIDE A MINIMUM OF 48 HOURS WRITTEN NOTICE WITH ANTICIPATED DURATION OF OUTAGE. ALL WORK SHALL BE PERFORMED TO FIT THE OPERATIONAL SCHEDULE OF THE FACILITY.
8. EXISTING FIXTURES, EQUIPMENT CONNECTIONS AND SERVICE LINES SHALL BE FIELD VERIFIED FOR EXACT LOCATION AND SIZE. NOTE DISCREPANCIES AND DEVIATIONS AND BRING TO THE ARCHITECT'S ATTENTION.

PLUMBING MATERIAL SPECIFICATION

PIPE TYPE	TYPE
DOMESTIC WATER-INTERIOR	FOR PIPE SIZE 1" AND UNDER - SCHEDULE 40 PVC AND FITTINGS OR TYPE L COPPER WITH WROUGHT COPPER FITTINGS SOLDERED WITH 95% TIN/5% ANTIMONY.
DOMESTIC WATER-EXTENSION	POLYETHYLENE WATER SERVICE TUBING. ASTM D3350 HIGH DENSITY POLYETHYLENE (FOR POTABLE WATER USE AND UNDERGROUND USE). DRISCO SERIES 5100 OPR EQUAL. COORDINATE WITH CITY OR COUNTY AS REQUIRED.
DOMESTIC BALL VALVES	1" SCHEDULE 40 BALL VALVE. 150 PSI
INSULATION	DCW - 1/2" FIBERGLASS W/ASJ DHW - 1" FIBERGLASS W/ASJ.
CONDENSATE AND EQUIPMENT DRAINS	TYPE L COPPER WITH WROUGHT COPPER FITTINGS SOLDERED WITH 95% TIN/5% ANTIMONY.
D-M-V - ABOVE GRADE	SCHEDULE 40 PVC PIPE: ASTM D 2665. SOLID-WALL DRAIN, WASTE AND VENT. PVC SOCKET FITTINGS. ASTM D2665. MADE TO ASTM 3311 DRAIN, WASTE, AND VENT PATTERNS.
D-M-V - BELOW GRADE	SCHEDULE 40 PVC PIPE: ASTM D 2665. SOLID-WALL DRAIN, WASTE AND VENT. PVC SOCKET FITTINGS. ASTM D2665. MADE TO ASTM 3311 DRAIN, WASTE, AND VENT PATTERNS.

ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
AFF	ABOVE FINISHED FLOOR	NG	NATURAL GAS
BFF	BELOW FINISHED FLOOR	N. O.	NORMALLY OPEN (VALVE)
BG	BELOW GRADE	N. C.	NORMALLY CLOSED (VALVE)
CD	CONDENSATE DRAIN	SHT.	SHEET
CO	CLEANOUT	SS	SANITARY SEWER
CKV	CHECK VALVE	TP	TRAP PRIMER LINE
CWS	COLD WATER SUPPLY	UG	UNDRGROUND
CX	CONNECT TO EXISTING	UP	PIPE RISE TO NEXT LEVEL
DN	PIPE DROP TO NEXT LEVEL	V	VENT
(E)	EXISTING	VA	VALVE
FCO	FLOOR CLEANOUT	VTR	VENT THRU ROOF
FND	FOUNDATION DRAIN	WCO	WASTE CLEANOUT
GCO	GRADE CLEANOUT	FA	FROM ABOVE
DHWS	DOMESTIC HOT WATER SUPPLY	WFU	WATER FIXTURE UNITS
DHWR	DOM. HOT WATER RECIRCULATION	SFU	SANITARY FIXTURE UNITS
MAX.	MAXIMUM	TWCO	TWO WAY CLEANOUT
MIN.	MINIMUM	DHW	DOMESTIC HOT WATER
DCW	DOMESTIC COLD WATER		

PLUMBING FIXTURE CONNECTION SCHEDULE

SYMBOL	DESCRIPTION	ROUGH-IN SIZE				REMARKS
		WASTE	VENT	CW	HW	
WC-1	WATER CLOSET	3"	1-1/2"	1-1/2"	---	FLOOR-MOUNTED
UR-1	URINAL	1-1/2"	1-1/2"	1/2"	---	WALL-MOUNTED
SK-1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	
SK-2	KITCHEN TRIPLE POT SINK	2"	1-1/2"	1/2"	1/2"	
SK-3	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	
DW-1	DISHWASHER	3"	1-1/2"	---	1/2"	
FD-1	FLOOR DRAIN	2"	1-1/2"	---	---	
GT-1	GREASE TRAP	3"	2"	---	---	FLOOR-MOUNTED

ELECTRIC WATER HEATER SCHEDULE

PLAN CODE	MFGR	MODEL NO	SERVICE	TYPE	CAPACITY (GAL)	WATTS	POWER (V/PH/HZ)	REMARKS
WH-1	AO SMITH	DEL-40	KITCHEN & RESTROOMS	ELECTRIC	40	6000	240/1/60	1, 2, 3

NOTES:
1. PROVIDE PROPER CLEARANCE FOR TANK.
2. INSTALL TEMPERATURE MIXING VALVE TMV-1 AT OUTLET OF WATER HEATER.
3. SET WATER HEATER IN SECONDARY WATER HEATER PAN. ROUTE RELIEF VALVE TO DRAIN PAN LEVEL.

PLUMBING FIXTURE SCHEDULE

FIXTURE CODE	MFGR	MODEL NO.	SERVICE	TYPE	FINISH HEIGHT	COLOR	ADDITIONAL FIXTURE/ACCESSORIES INFORMATION
SK-1	KOHLER	K2209	RESTROOMS	UNDERMOUNT, VITREOUS CHINA FAUCET: KOHLER K-27389 CHROME FAUCET, CLICKER DRAIN	34" TOP OF RIM	WHITE	SUPPLY: 1-7/8" O.D. POLISHED CHROME RISERS INSULATED PER ADA. TRAP: K-8998 P-TRAP, CHROME PLATED P-TRAP INSULATED PER ADA.
SK-2	ELKAY	14-3C18X24-2-24X	KITCHEN 114	16 GAUGE THREE COMPARTMENT SINK W/ 24" L&R DRAINBOARDS AND SS LEGS FAUCET: ELKAY LK940LGN08T6H, 1.5 GPM, 8" CENTERSET DECK MOUNT LAMINAR FLOW FAUCET WITH 8" GOOSENECK SPOUT 6" WRISTBLADE HANDLES	34" TOP OF RIM	STAINLESS STEEL	SUPPLY: 1-5/16" O.D. POLISHED CHROME RISERS INSULATED PER ADA. DRAIN: K-3801 SINK DRAIN, K-11352 DISPOSLA FLANGE
SK-3	ELKAY	EHS-14X	KITCHEN 114	18 GAUGE HAND SINK WITH FAUCET FAUCET: ELKAY NSF 372, SPLASH MOUNT, GOOSE NECK FAUCET INCLUDED	34" TOP OF RIM	WHITE	SUPPLY: 1-7/8" O.D. POLISHED CHROME RISERS INSULATED PER ADA. TRAP: CHROME PLATED P-TRAP INSULATED PER ADA.
WC-1	KOHLER	K-3519-PA	RESTROOMS	ADA FLOOR MOUNTED, PURIST, VITREOUS CHINA, 1.0 GPF, ELONGATED BOWL FLUSH VALVE: SLOAN FLUSHMATE, POLISHED CHROME TRIP LEVER	SEAT HEIGHT 17" ABOVE FINISHED FLOOR	WHITE	---
WB-1	OATEY	QUATRO	LAUNDRY R218	WASHER BOX; CW, HW, AND 2" DRAIN	36" A.F.F.	WHITE	WATER HAMMER ARRESTOR
MS-1	MUSTEE	63M401	CUSTODIAL R104 & JANITOR R216	24" X 24" X 10" FAUCET: 63.600A	GRADE	WHITE	HOSE HOLDER, MOP HANGER SUPPLY: 3/4" DCW & 3/4" DHW
FCO-1	JR SMITH	4023	---	CAST IRON FERRULE. CAST BRONZE PLUG. STAINLESS STEEL SCREW.	---	---	FLOOR CLEANOUT
TP-1	WATTS	01322847	FLOOR DRAINS	TRAP PRIMER	---	---	CAST BRASS WITH 300 PSI MAX. PRESSURE
FD-1	JR SMITH	2005	---	CAST IRON BODY WITH FLASHING COLLAR, ADJUSTABLE STRAINER TOP, AND TRAP PRIMER	---	---	2" DRAIN
HB-1	WOODFORD	MODEL 17	EQUIPMENT BAYS	HOSE BIBB	12" ABOVE GRADE	BROWN	ANTI-SIPHON
GT-1	ZURN	Z1171	KITCHEN	20 GPM, 3" NO HUB, GREASE TRAP. 32-3/8" L X 20-3/4" W X 10" H	ABOVE GRADE, PLACE BELOW TRIPLE POT KITCHEN SINK	---	---
EWC-1	ELKAY	EZSTL8LC	WALL MOUNT	BI-LEVEL, ADA WATER COOLER	31-5/16" TOP OF LOW RIM	---	120 VOLT, 5A, RECEPTACLE SUPPLY: 1/2" DCW

PLUMBING SPECIFICATIONS

PART 1 - GENERAL REQUIREMENTS

1.1 SUMMARY
- A. SECTION INCLUDES
  1. LAVATORIES - COUNTER MOUNTED.
  2. LAVATORY FUACETS
  3. WATER CLOSETS.
  4. URINALS
  5. DRINKING FOUNTAINS

1.2 ACTION SUBMITTALS
- A. PRODUCT DATA: FOR EACH TYPE OF PRODUCT.
  2. INCLUDE CONSTRUCTION DETAILS, MATERIAL DESCRIPTIONS, DIMENSIONS OF INDIVIDUAL COMPONENTS AND PROFILES.
  3. INCLUDE RATED CAPACITIES, OPERATING CHARACTERISTICS, ELECTRICAL CHARACTERISTICS, AND FINISHED SPECIALTIES AND ACCESSORIES.

1.3 CLOSEOUT SUBMITTALS
- A. OPERATION AND MAINTENANCE DATA: FOR PLUMBING FIXTURES AND FAUCETS TO INCLUDE IN OPERATION AND MAINTENANCE MANUALS.

1.4 WARRANTY
- A. MANUFACTURER AGREES TO REPAIR OR REPLACE COMPONENTS THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD.
  1. FAILURES INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
     - a. STRUCTURAL FAILURES OF UNIT SHELL.
     - b. FAULTY OPERATION OF CONTROLS.
     - c. DETERIORATION OF METALS, METAL FINISHES, AND OTHER MATERIALS BEYOND NORMAL USE.
  2. WARRANTY PERIOD FOR SHELLS: FIVE YEARS FROM DATE OF SUBSTANTIAL COMPLETION.
  3. WARRANTY PERIOD FOR ELECTRONIC CONTROLS: FIVE YEARS FORM DATE OF SUBSTANTIAL COMPLETION.

PART 2 - PRODUCTS

2.1 GENERAL REQUIREMENTS
- A. DOMESTIC WATER FAUCETS INTENDED TO CONVEY OR DISPENSE WATER FOR HUMAN CONSUMPTION ARE TO COMPLY WITH SWDA, REQUIREMENTS OF AUTHORITIES HAVE JURISDICTION, AND NSF 61 AND NSF 372, OR TO BE CERTIFIED IN COMPLIANCE WITH NSF 61 AND NSF 372 BY AN AMERICAN NATION STANDARDS INSTITUTE (ANSI)-ACCREDITED THIRD PARTY CERTIFICATION BODY THAT THE WEIGHTED AVERAGE LEAD CONTENT AT WETTED SURFACES IS LESS THAN OR EQUAL TO O.25 PERCENT.

2.2 LAVATORIES - COUNTER MOUNTED - VITREOUS CHINA
- A. ACCEPTABLE MANUFACTURERS: KOHLER, AMERICAN STANDARD, DELTA, MOEN

2.3 LAVATORY FAUCETS
- A. GENERAL DUTY, SOLID BRASS LAVATORY FAUCETS WITH POLISHED CHROME FINISH, 1.2 GPM
- B. ACCEPTABLE MANUFACTURERS: KOHLER, MOEN, DELTA, AMERICAN STANDARD

2.4 KITCHEN SINKS - COUNTER-MOUNTED, DOUBLE BOWL, STAINLESS STEEL
- A. ACCEPTABLE MANUFACTURERS: KOHLER, ELKAY, KRAUS, ROHL, BLANCO

2.5 WATER CLOSETS
- A. CLASSIC ELONGATED BOWL, 1.0 GPF WITH PRESSURE ASSIST FLUSH TECHNOLOGY
- B. ACCEPTABLE MANUFACTURERS: AMERICAN STANDARD, KOHLER, DELTA, TOTO, GERBER

2.6 SINK FAUCETS
- A. GENERAL DUTY, SOLID BRASS SINK FAUCETS WITH POLISHED CHROME FINISH
- B. ACCEPTABLE MANUFACTURERS: DELTA, KOHLER, MOEN, AMERICAN STANDARD

2.7 URINALS
- A. WALL HUNG, BACK OUTLET, BLOWOUT, 0.125 GPF W/ELECTRONIC FLUSH VALVE
- B. ACCEPTABLE MANUFACTURERS: SLOAN, TOTO, KOHLER, AMERICAN STANDARD

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PLUMBING LEGENDS, SCHEDULES, & NOTES

P0.01

GENERAL DEMOLITION NOTE:

1. CAP ALL PLUMBING EQUIPMENT/FIXTURE OPENINGS IN THE FLOOR AND GROUT TO MATCH EXISTING LEVEL TO ALLOW INSTALLATION OF NEW FLOORING.

KEYED NOTES (#):

1. EXISTING SINK AND ALL ASSOCIATED ACCESSORIES TO BE REMOVED AND SALVAGED. DEMOLISH ALL ASSOCIATED PIPING BACK TO MAIN, VALVE AND CAP.
2. EXISTING WATER CLOSET AND ALL ASSOCIATED ACCESSORIES TO BE REMOVED AND SALVAGED. DEMOLISH ALL ASSOCIATED PIPING BACK TO MAIN, VALVE AND CAP.
3. EXISTING DRINKING FOUNTAIN AND ALL ASSOCIATED ACCESSORIES TO BE REMOVED AND SALVAGED. DEMOLISH ALL ASSOCIATED PIPING BACK TO MAIN, VALVE AND CAP.
4. EXISTING WATER HEATER TO BE REMOVED AND SALVAGED. DEMOLISH ALL ASSOCIATED PIPING BACK TO MAIN, VALVE AND CAP.
5. EXISTING MOP SINK AND ALL ASSOCIATED ACCESSORIES TO BE REMOVED AND SALVAGED. DEMOLISH ALL ASSOCIATED PIPING BACK TO MAIN, VALVE AND CAP.
6. PLUMBING CONTRACTOR TO FIELD VERIFY EXISTING PIPING CONDITIONS BY PERFORMING A PLUMBING SCOPE TO CONFIRM ROUTING OF EXISTING SANITARY LINES. PLUMBING CONTRACTOR TO COORDINATE EXISTING FIELDS CONDITIONS WITH ENGINEER.



PLAN NORTH / TRUE NORTH

1 PD1.00 PLUMBING DEMOLITION PLAN
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PLUMBING DEMOLITION PLAN

PD1.00

GENERAL NOTE:

1. FIXTURE MANUFACTURES AND MODEL NUMBERS ARE PROVIDED TO DEFINE TYPE AND QUALITY OF FIXTURES. PLUMBING CONTRACTOR TO PROVIDE REQUEST FOR SUBSTITUTION FOR APPROVAL BY ENGINEER FOR ALTERNATE PRODUCTS.
2. SAWCUT FLOOR AS REQUIRED FOR INSTALLATION OF NEW WATER CLOSETS. ON COMPLETION OF INSTALLATION, GROUT FLOOR LEVEL WITH EXISTING FOR INSTALLATION OF NEW FLOORING.

KEYED NOTES (#):

1. PLUMBING PIPING IS DIAGRAMMATIC SO PLUMBING CONTRACTOR TO EXAMINE EXISTING CONDITIONS AND DETERMINE MOST EFFECTIVE SS ROUTING TO MINIMIZE SAW CUTTING OF FLOOR.
2. GT-1 TO BE LOCATED UNDER TRIPLE POT SINK. ARRANGE PLUMBING PIPING TO ALLOW GT-1 TO FIT UNDER SINK AND BE ACCESSIBLE FOR CLEANING.
3. ALL DWV PIPING TO BE SCHEDULE 40 PVC PIPING AND FITTINGS EXCEPT VENT PIPING THROUGH ROOF SHALL BE CAST IRON WITH PROPER ROOF FLASHING AND SEALING.
4. PROVIDE AND INSTALL TRAP PRIMERS ON EACH OF THE FLOOR DRAINS.
5. SEE DETAIL 1/P5.02 FOR TRIPLE POT SINK AND GREASE TRAP PIPING.
6. PLUMBING CONTRACTOR TO FIELD VERIFY EXISTING PIPING CONDITIONS BY PERFORMING A PLUMBING SCOPE TO CONFIRM ROUTING OF EXISTING SANITARY LINES. PLUMBING CONTRACTOR TO COORDINATE EXISTING FIELDS CONDITIONS WITH ENGINEER.



1 P1.01 PLUMBING WASTE AND VENT PIPING PLAN
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PLUMBING WASTE AND VENT PIPING PLAN

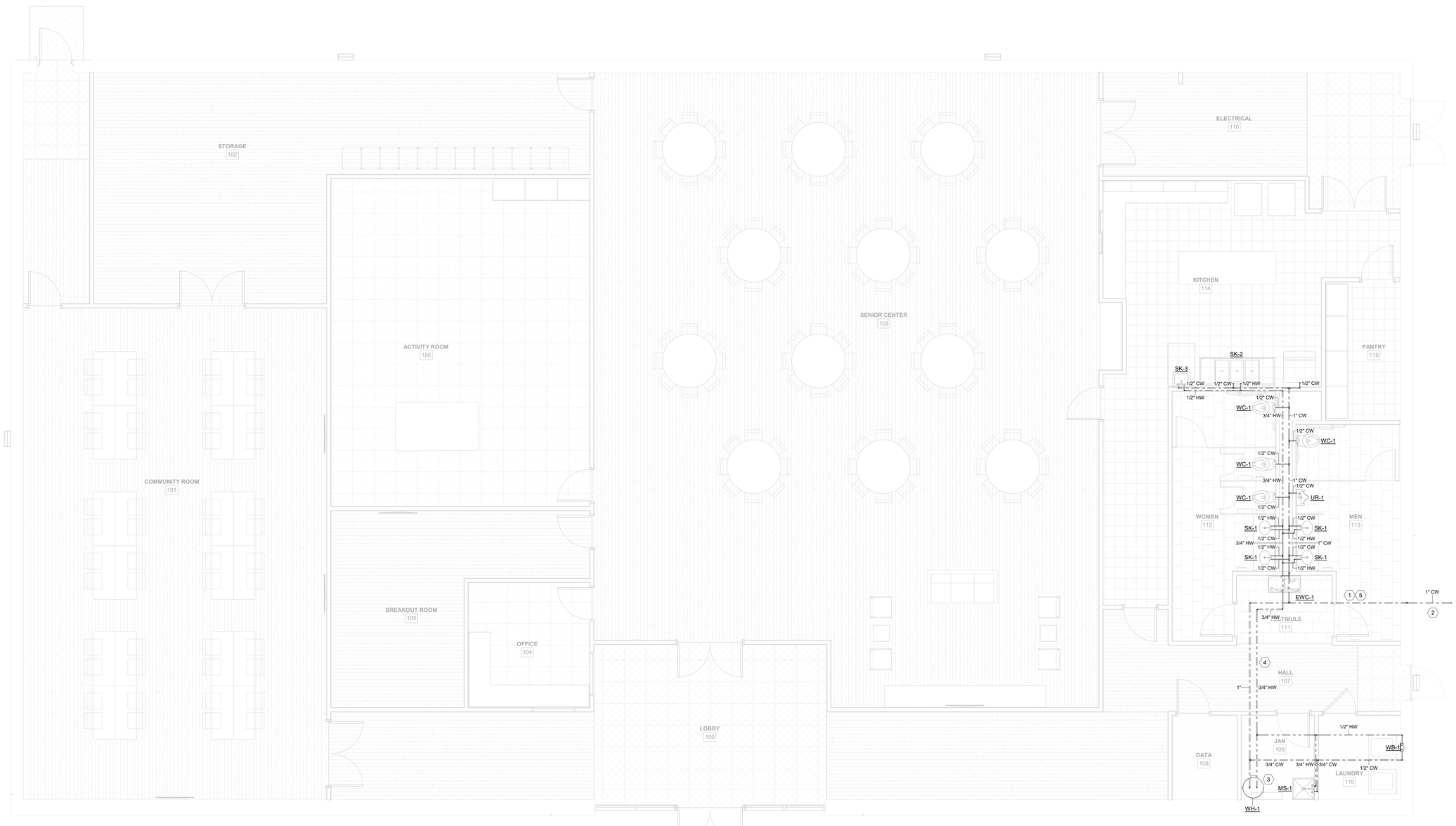
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GENERAL NOTE:

1. DOMESTIC WATER PIPING SHOWN IS DIAGRAMMATIC. PLUMBING CONTRACTOR IS RESPONSIBLE FOR EVALUATING EXISTING CONDITIONS, ROUTING AND INSTALLING PIPING TO MEET THE REQUIREMENTS OF THE 2021 IPC.
2. CW AND HW PIPING TO BE INSULATED AS REQUIRED BY IPC. INSULATE PIPING WITH GLASS FIBER AND ASJ OR ELASTOMETRIC PIPE INSULATION. USE 1/2" THICKNESS ON CW AND 1" FOR DHW.

KEYED NOTES (#):

1. ALL ABOVE GRADE DOMESTIC WATER PIPING SHALL BE TYPE L COPPER WITH WROUGHT COPPER FITTINGS OR PEX PIPE AND FITTINGS.
2. PROVIDE NEW WATER METER, BACKFLOW PREVENTER AND ISOLATION VALVE AS REQUIRED FOR COMPLETE PLUMBING SYSTEM TO MEET IPC REQUIREMENTS.
3. SET WATER HEATER (WH-1) IN SECONDARY DRAIN PAN AND PIPE RELIEF VALVE TO LOCATION ABOVE VALVE.
4. ROUTE PIPING IN WALLS OR IN SLAB AS PRACTICAL. IF DHW IS ROUTED IN ATTIC ROUTE TIGHT TO STRUCTURE AND COVER PIPE WITH INSULATION.
5. PRESSURE TEST NEW PIPING WITH 100 PSI COMPRESSED AIR BEFORE FILLING WITH WATER. UPON FILLING, PRESSURE TEST WITH 100 PSI WATER FOR 2 HOURS. VERIFY NO LEAKAGE WITH INSTALLED PRESSURE GAUGE.



1 P2.01 PLUMBING DOMESTIC WATER PIPING PLAN
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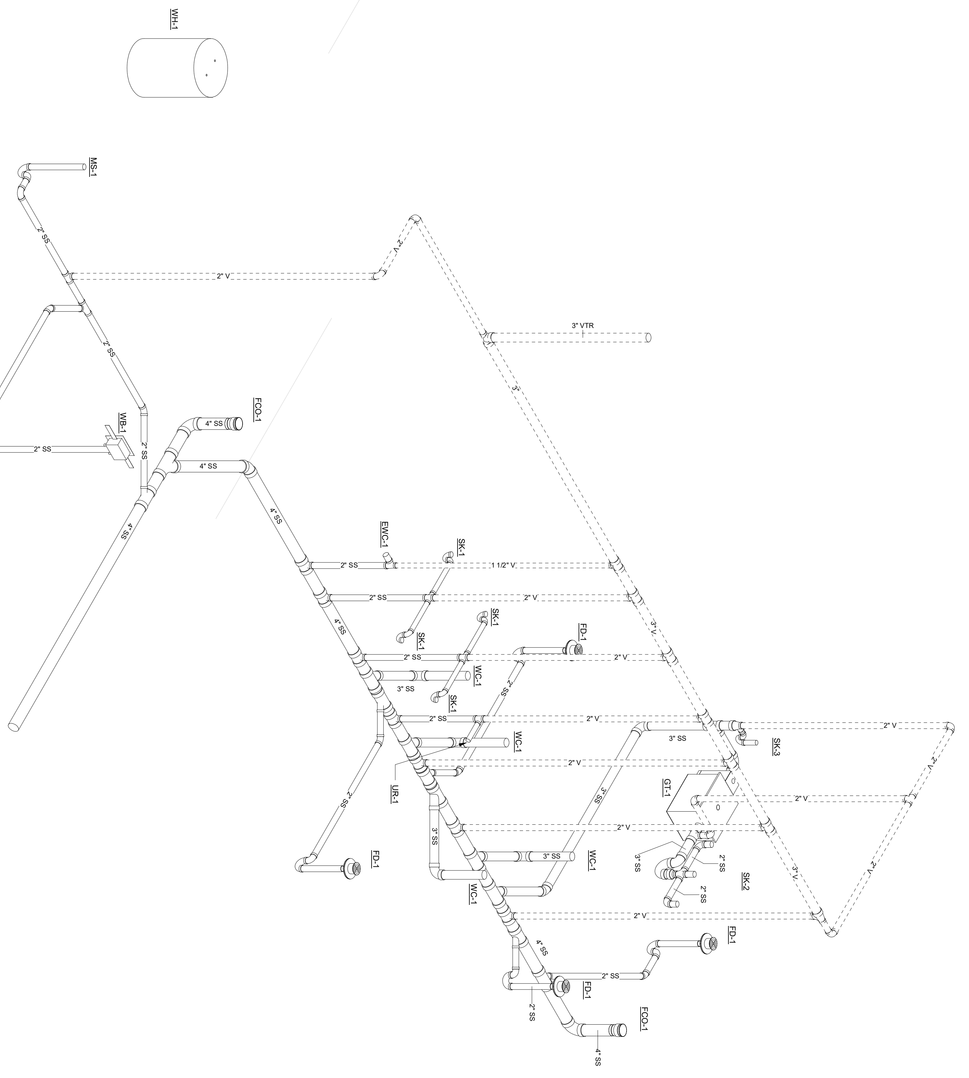
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PLUMBING DOMESTIC
WATER PIPING PLAN

P2.01

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P3.01

WASTE & VENT ISOMETRIC



PLUMBING WASTE & VENT ISOMETRIC

P3.01

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 54906
09.16.2026
RICHARD W. JARVIS

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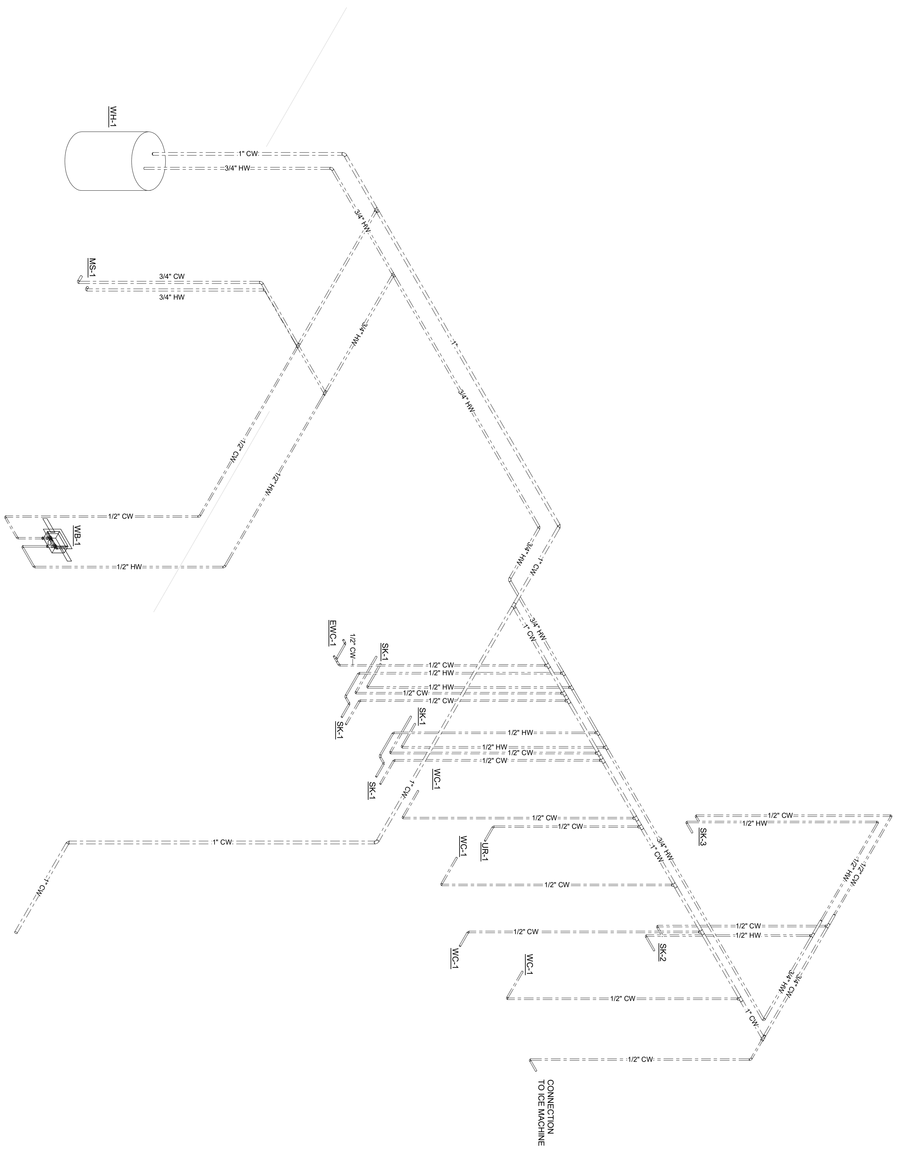
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P3.02

DOMESTIC WATER ISOMETRIC



PLUMBING DOMESTIC WATER ISOMETRIC

P3.02

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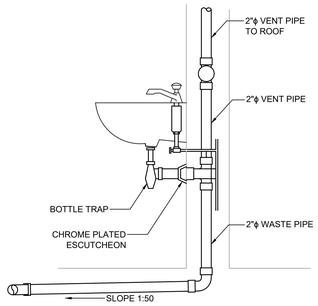
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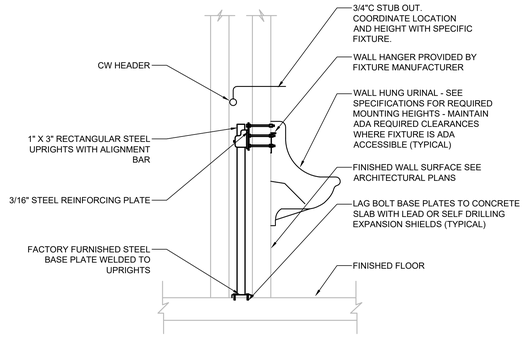
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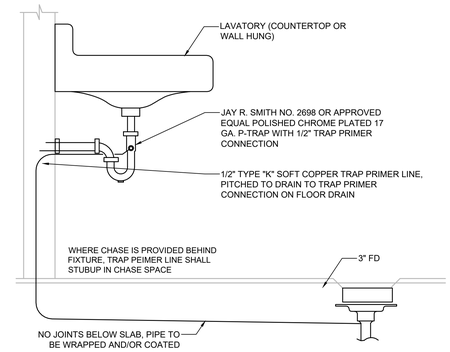
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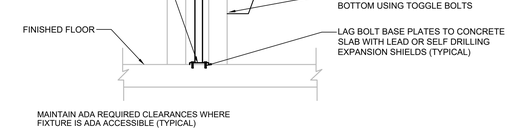
1 P5.01 LAVATORY DRAIN PIPING DETAIL
NOT TO SCALE



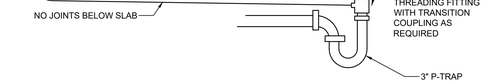
2 P5.01 URINAL INSTALLATION DETAIL 1X1
NOT TO SCALE



3 P5.01 TRAP PRIMER WASTE SUPPLIED INSTALLATION DETAIL
NOT TO SCALE



4 P5.01 WATER COOLER CARRIER INSTALLATION DETAIL 1X2
NOT TO SCALE



NOTE:
1. WHERE CHASE IS PROVIDED BEHIND FIXTURE, TRAP PRIMER LINE SHALL STUBUP IN CHASE SPACE.
2. PIPING IN WALLS AND CHASES SHALL BE INSTALLED IN POLYETHYLENE SLEEVE.

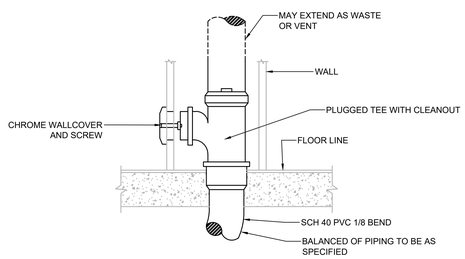
5 P5.01 TRAP PRIMER IN WALL/BELOW SLAB INSTALLATION DETAIL
NOT TO SCALE



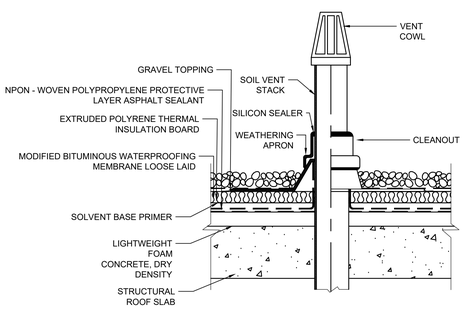
PIPE THRU STRUCTURE LEGEND:

1. FIRE STOP FOAM
2. FIRE STOP SEALANT
3. RISER CLAMP
4. SLEEVE

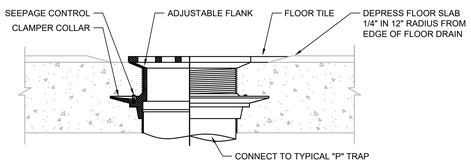
6 P5.01 PIPE THRU STRUCTURE DETAIL
NOT TO SCALE



7 P5.01 WALL CLEANOUT DETAIL
NOT TO SCALE



8 P5.01 VENT THRU ROOF DETAIL
NOT TO SCALE



9 P5.01 FLOOR DRAIN DETAIL
NOT TO SCALE

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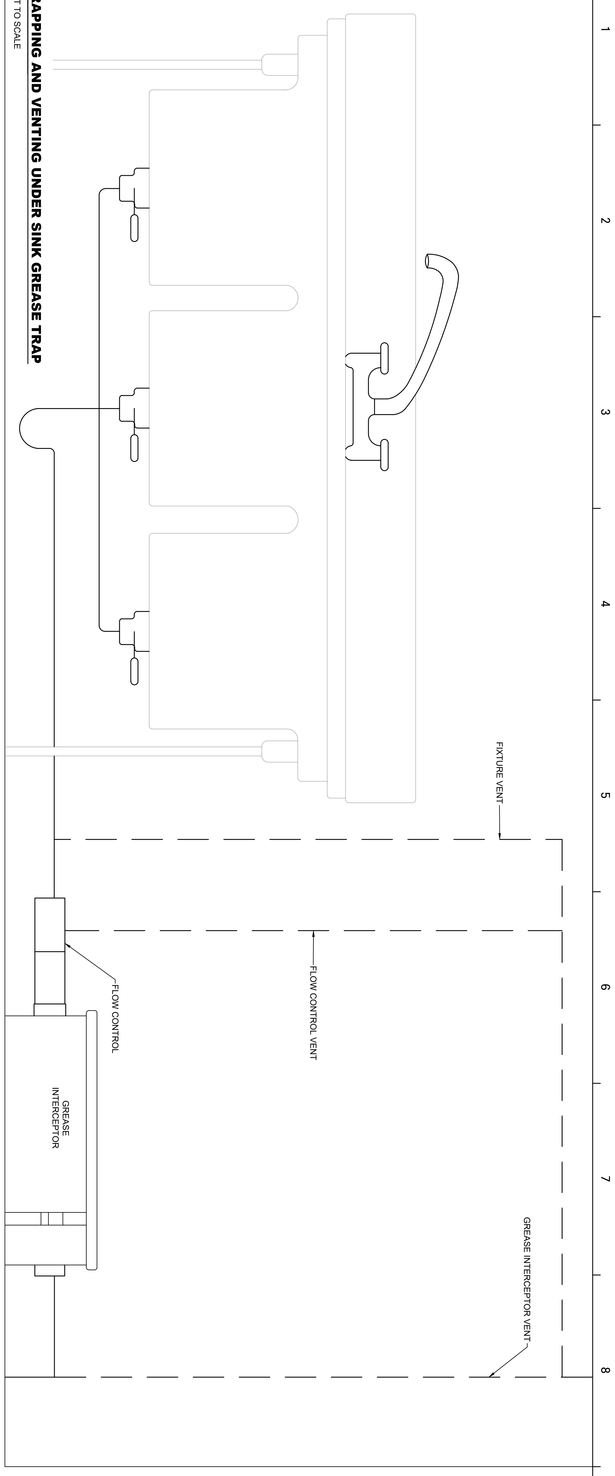
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PLUMBING DETAILS

P5.01



1 P5.02

TRAPPING AND VENTING UNDER SINK GREASE TRAP

NOT TO SCALE

PLUMBING DETAILS

P5.02

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RECEPTACLE LEGEND

SYMBOL	MOUNTING HEIGHT TO CENTER UNO	DESCRIPTION
	18"	DUPLEX RECEPTACLE
CM	--	DUPLEX RECEPTACLE, CEILING MOUNTED
	18"	SINGLE RECEPTACLE, NEMA TYPE (MATCH EQUIPMENT)
X	--	
X	--	DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER TYPE (GFI)
X	--	DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER TYPE (GFI) MOUNTED ABOVE COUNTER. 48" MAX TO THE TOP OF OPERABLE DEVICE.
	--	DUPLEX RECEPTACLE IN FLOOR BOX WITH FLUSH COVER
	--	DUPLEX RECEPTACLE IN FLOOR BOX WITH FLUSH COVER, GROUND FAULT CIRCUIT INTERRUPTER TYPE
	--	QUADRAPLEX RECEPTACLE IN FLOOR BOX WITH FLUSH COVER
	--	QUADRAPLEX RECEPTACLE WALL MOUNTED 18" A.F.F. TO CENTER UNO.
X	--	DUPLEX RECEPTACLE, SPECIAL MOUNTING HEIGHT. 48" MAX TO THE TOP OF OPERABLE DEVICE.
X	18"	SPECIALTY 240V RECEPTACLE
X	--	SPECIALTY RECEPTACLE, NEMA TYPE (MATCH EQUIPMENT)
	--	TWO DUPLEX RECEPTACLES UNDER SINGLE COVERPLATE, SPECIAL MOUNTING HEIGHT
J #	18"	WALL MOUNTED JUNCTION BOX FOR POWER TO MODULAR FURNITURE. (# = NUMBER OF WORKSTATION TO BE POWERED)
D	42"	SIMPLEX 240V RECEPTACLE FOR DRYER.
W	42"	DUPLEX RECEPTACLE FOR WASHER.
IM	18"	DUPLEX RECEPTACLE FOR ICE MACHINE. COORDINATE WITH EQUIPMENT PROVIDED.
EWC	--	DUPLEX RECEPTACLE FOR ELECTRIC WATER COOLER. COORDINATE WITH PLUMBING CONTRACTOR.
FRG	48"	DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER TYPE (GFCI) FOR REFRIGERATOR.
FR	48"	DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER TYPE (GFCI) FOR FREEZER.
ER	--	EXISTING RECEPTACLE TO BE REMOVED.

GENERAL RECEPTACLE NOTES :

COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR LOCATIONS OF OUTLETS IN AND AROUND CASEWORK FOR FINAL MOUNTING HEIGHTS.

'X' INDICATES:
- 'H' - HORIZONTAL MOUNTING
- 'U' - USB PORTS
- 'WP' - (GFI) TYPE WITH IN-USE EXTRA DUTY METAL COVER, "WEATHER-RESISTANT" RATED

LIGHTING FIXTURE LEGEND

SYMBOL	DESCRIPTION
X	2' X 4' TROFFER
X	2' X 2' TROFFER
X	1' X 1' TROFFER
X	LINEAR LIGHT
X	STRIP LIGHT
X	LINEAR LIGHT, WALL MOUNTED
XE	LIGHTING FIXTURE ON EMERGENCY POWER
X	LIGHTING FIXTURE, UNDERCABINET TYPE
X	DOWNLIGHT
X	DOWNLIGHT, WALL MOUNTED
X	DOWNLIGHT WALL WASHER
X	EXIT SIGN, CEILING MOUNTED, FILLED IN SECTION INDICATES NUMBER OF FACES. ARROWS AS INDICATED ON PLANS.
X	EXIT SIGN, WALL MOUNTED, FILLED IN SECTION INDICATES NUMBER OF FACES. ARROWS AS INDICATED ON PLANS.
X	EMERGENCY LIGHT WITH BATTERY POWER
X	TRACK LIGHT, NUMBER OF HEADS INDICATED ON PLANS
X	POLE MOUNTED LIGHT
X	BOLLARD LIGHT
	CEILING FAN

GENERAL LIGHTING NOTES

'X' - INDICATES LIGHTING FIXTURE TYPE
'XE' - INDICATES EMERGENCY POWER
SEE PLANS AND LIGHTING FIXTURE SCHEDULE FOR FIXTURE LENGTH AND MOUNTING TYPE
'a' - LOWER CASE LETTERING DENOTES SWITCH / RELAY CONTROLLING THE FIXTURE.
'NL' - INDICATES FIXTURE UNSWITCHED (NIGHT LIGHT).

FIRE ALARM LEGEND

SYMBOL	MOUNTING HEIGHT TO CENTER UNO	DESCRIPTION
FACP	--	FIRE ALARM CONTROL PANEL, SURFACE MOUNTED
ANN	--	FIRE ALARM REMOTE ANNUNCIATOR, FLUSH MOUNTED IN WALL
F	46" TO CENTER	FIRE ALARM PULL STATION
F	80" TO BOTTOM	FIRE ALARM COMBINATION AUDIO/VISUAL NOTIFICATION
L	80" TO BOTTOM	FIRE ALARM VISUAL NOTIFICATION
S	80" TO BOTTOM	FIRE ALARM SPEAKER/STROBE NOTIFICATION
(F)	--	CEILING MOUNTED AUDIO-VISUAL FIRE ALARM DEVICE
(S)	--	FIRE ALARM SMOKE DETECTOR
(SR)	--	FIRE ALARM SMOKE DETECTORFOR ELEVATOR RECALL
(H)	--	FIRE ALARM 135° RATE-OF-RISE HEAT DETECTOR
(HF)	--	FIRE ALARM FIXED TEMPERATURE HEAT DETECTOR
(D) X	--	FIRE ALARM DUCT SMOKE DETECTOR ("S" INDICATES "SUPPLY", "R" INDICATES "RETURN")
(M)	--	FIRE ALARM SYSTEM MULTI-CRITERIA (HEAT, SMOKE, CARBON-MONOXIDE) DETECTOR
PB	--	PUSH BUTTON FOR MAGNETIC DOOR HOLDER
KB	--	FIRE ALARM SYSTEM KNOX BOX
DOC	--	FIRE ALARM DOCUMENT BOX
KHSS	--	FIRE ALARM CONNECTION TO KITCHEN HOOD FIRE SUPPRESSION SYSTEM

GENERAL FLASHING LIGHT NOTE :

ALL FLASHING LIGHTS SHALL BE 15 CANDELA UON.

POWER LEGEND

SYMBOL	DESCRIPTION
	PANELBOARD 208Y/120V, SURFACE MOUNTED
	PANELBOARD 208Y/120V, FLUSH MOUNTED
	PANELBOARD 480/277V, SURFACE MOUNTED
	PANELBOARD 480/277V, FLUSH MOUNTED
X	DISCONNECT SWITCH, NEMA1 NON-FUSED
X	DISCONNECT SWITCH, NEMA 1, FUSED
X	DISCONNECT SWITCH, NEMA 3R NON-FUSED
X	DISCONNECT SWITCH, NEMA 3R, FUSED
	COMBINATION MOTOR STARTER DISCONNECT SWITCH
EPO	EMERGENCY POWER SHUT-OFF PUSHBUTTON
M	MOTOR
S_m	MANUAL MOTOR RATED STARTER SWITCH
J	JUNCTION BOX, CEILING MOUNTED
J	JUNCTION BOX, WALL MOUNTED
	EXISTING PANELBOARD, SURFACE MOUNTED
DC	ELECTRICAL CONNECTION TO DOOR ACCESS CONTROL CONTACT - COORDINATE WITH VENDOR. SEE DETAIL 2&4/E5.02 FOR MORE INFORMATION.

GENERAL POWER LEGEND NOTES :

'X' - INDICATES DISCONNECT SWITCH AMPERAGE RATING

ABBREVIATIONS

SYMBOL	DESCRIPTION
AC	AIR CONDITIONER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
ATS	AUTOMATIC TRANSFER SWITCH
C	CONDUIT
CKT	CIRCUIT
CLG	CEILING
CU	CONDENSING UNIT
DF	DRINKING FOUNTAIN
DH	DUCT HEATER
DOAS	DEDICATED OUTSIDE AIR SYSTEM
EF	EXHAUST FAN
EWC	ELECTRIC WATER COOLER
EX	EXISTING TO REMAIN
EXR	EXISTING RELOCATED TO POSITION INDICATED ON PLAN
FBO	FURNISHED BY OTHERS
FRG	FRIDGE / REFRIGERATOR
GND	GROUND
IDU	INDOOR UNIT
MCC	MOTOR CONTROL CENTER
MW	MICROWAVE OVEN
NTS	NOT TO SCALE
ODU	OUTDOOR UNIT
RE	RE-USED / RELOCATED
R	RANGE OVEN
RF	RETURN FAN
SF	SUPPLY FAN
TR	TRANSFORMER
TV	TELEVISION SCREEN
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF
WH	WATER HEATER
VAV	VARIABLE AIR VOLUME BOX, FAN POWERED

SWITCH LEGEND

SYMBOL	MOUNTING HEIGHT TO CENTER UNO	DESCRIPTION
S	46"	SINGLE POLE SWITCH, 20A, 120/277 VOLT • '2' INDICATES 2-POLE. • '3' INDICATES 3-WAY. • '4' INDICATES 4-WAY. • 'F' INDICATES FAN SWITCH. • 'K' INDICATES KEY OPERATED SWITCH. • 'OV' INDICATES OVERRIDE SWITCH. • 'T' INDICATES 0-60 MINUTE TIMER SWITCH. • 'TR' INDICATES TAMPER RESISTANT SWITCH. '[x]' INDICATES LIGHTING CONTROL ZONE. SEE DRAWINGS OR LIGHTING CONTROL SCHEDULE FOR DETAILS.
S_M	46"	MOTOR RATED TOGGLE SWITCH, 30A, 120/277V.
S_D	46"	DIMMER SWITCH
S_{D3}	46"	DIMMER SWITCH, THREE WAY
S_O	46"	OCCUPANCY SENSOR SWITCH
S_{OD}	46"	OCCUPANCY SENSOR DIMMER SWITCH
S_V	46"	VACANCY SENSOR SWITCH
S_{VD}	46"	VACANCY SENSOR DIMMER SWITCH
OC	--	OCCUPANCY SENSOR SWITCH, CEILING MOUNTED
LS	--	DAYLIGHT / PHOTOCELL SENSOR, CEILING MOUNTED
VS	--	VACANCY SENSOR SWITCH, CEILING MOUNTED
PC	--	NORTH FACING ROOF MOUNTED PHOTOCELL.
WS x,y	--	MULTI-ZONE/SCENE CONTROLLER WALL SWITCH, ON/OFF/DIMMING. 'x,y' INDICATE ZONES TO BE CONTROLLED.
TS x,y	46"	MULTI-ZONE/SCENE CONTROLLER TOUCH SCREEN, ON/OFF/ 0-10% DIMMING. (x,y') INDICATE ZONES TO BE CONTROLLED.
PPA	--	PLUG LOAD / RECEPTACLE CONTROL MODULE WITH INPUT FROM OCCUPANCY/VACANCY SENSOR.
PP	--	POWER PACK FOR ON/OFF CONTROL OF RECEPTACLE AS INDICATED ON THE PLANS. LOCATE ABOVE CEILING. PROVIDE TIE-IN TO OCCUPANCY SENSOR AS REQUIRED, EQUAL TO LEVITON #0PP20-001.

GENERAL SWITCHING NOTE :

ALL SWITCHING TO BE LOW VOLTAGE UNLESS OTHERWISE NOTED.
OCCUPANCY SENSORS AND LIGHTING CONTROL DEVICES SHOWN REFLECT FUNCTIONAL INTENT.

BRANCH CIRCUIT LEGEND

SYMBOL	DESCRIPTION
	CONDUIT OR RACEWAY EXPOSED TO VIEW
	CONDUIT OR RACEWAY CONCEALED IN CEILING CAVITY OR WALL
	CONDUIT OR RACEWAY UNDERGROUND OR CONCEALED IN FLOOR SLAB
	HOMERUN TO PANELBOARD, CIRCUIT NUMBER AS NOTED
UP	UNDERGROUND PRIMARY
US	UNDERGROUND SECONDARY
EOH	OVERHEAD ELECTRICAL CABLE
FO	OVERHEAD FIBER OPTIC CABLE
FO	UNDERGROUND FIBER OPTIC CABLE
OC	OVERHEAD COMMUNICATIONS CABLE
LV	LOW VOLTAGE CABLING
NL	NIGHT LIGHT CIRCUIT
	CCTV CONDUIT
	CONDUIT STUB IN.
	CONDUIT STUB DOWN.
	CONDUIT STUBBED OUT OR UP AND CAPPED
J	JUNCTION BOX AND JUNCTION BOX WITH FLEX CONNECTION TO EQUIPMENT
J	WALL MOUNTED JUNCTION BOX AND JUNCTION BOX WITH FLEX CONNECTION TO EQUIPMENT
P	POWER POLE CONNECTION

AUXILIARY LEGEND

SYMBOL	MOUNTING HEIGHT TO CENTER UNO	DESCRIPTION
	18"	DATA/TELEPHONE /COMMUNICATIONS OUTLET WITH 1" CONDUIT STUBBED OUT TO ABOVE CEILING, PORTS, FACEPLATE FACEPLATE AND CABLING, SEE SPECIFICATIONS FOR ADDITIONAL
	48"	DATA/TELEPHONE /COMMUNICATIONS OUTLET WITH 1" CONDUIT STUBBED OUT TO ABOVE CEILING, PORTS, FACEPLATE FACEPLATE AND CABLING, SEE SPECIFICATIONS FOR ADDITIONAL
AP	--	WIRELESS ACCESS POINT OUTLET ABOVE CEILING, PORTS, FACEPLATE AND CABLING, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
CCTV	VERIFY WITH OWNER	CLOSED CIRCUIT TELEVISION CAMERA. PROVIDE 2-GANG BOX WITH 3/4" CONDUIT AS REQUIRED FOR ACCESS (MIN. 6") TERMINATE WITH INSULATING BUSHING. "CM" INDICATES CEILING MOUNTED. "WP" INDICATES WEATHERPROOF.
TV	VERIFY WITH OWNER	DATA OUTLET FOR TV. PROVIDE BLANK COVER PLATE. PROVIDE 1" EC WITH PULL STRING STUBBED 6" ABOVE CEILING. PROVIDE INSULATING BUSHING.
CR	48"	WALL OUTLET WITH CARD READER, FLUSH (SEMI-FLUSH) MOUNTED AT 48" A.F.F. WITH 1" CONDUIT AND CABLE AS PER MANUFACTURER'S REQUIREMENTS.
HC	42"	HANIDCAP PUSH BUTTON, PROVIDE ONE SINGLE GANG WATER-TIGHT OUTLET BOX WITH 1"C DOOR OPERATOR FOR CONTROL WIRING. COORDINATE WITH DOOR VENDOR AND OWNER FOR EXACT REQUIREMENTS PRIOR TO ROUGH-IN.
PE	42"	PUSH TO EXIT BUTTON. PROVIDE ONE SINGLE GANG BOX WITH 1"C TO DOOR OPERATOR FOR CONTROL WIRING. COORDINATE WITH DOOR VENDOR AND OWNER FOR EXACT REQUIREMENTS PRIOR TO ROUGH-IN.
GB	--	GROUND BUS BAR, MOUNTED ON PLYWOOD BACKBOARD IN DATA ROOM WITH GROUNDING CONDUCTOR AS SHOWN ON GROUND SYSTEM RISER DIAGRAM AND GROUNDING DETAILS.

GENERAL ROUGH-IN / DEVICE MOUNTING NOTE :

COORDINATE WITH ARCHITECTURAL ELEVATIONS FOR LOCATIONS AND MOUNTING HEIGHTS OF OUTLETS SHOWN. ARCHITECTURAL INFORMATION SUPERCEDES MOUNTING HEIGHTS INDICATED ON THIS LEGEND.

GENERAL ELECTRICAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE TO FURNISH ALL LABOR, EQUIPMENT, MATERIALS, AND SUPPLIES AS NECESSARY FOR A NEAT, COMPLETE, AND SATISFACTORY OPERATING ELECTRICAL SYSTEMS WHICH CONFORMS TO ALL LOCAL CODES, PLANS, AND SPECIFICATIONS.
2. LECTRICAL CONTRACTOR SHALL REVIEW ENTIRE SET OF CONTRACT DOCUMENTS INCLUDING BUT NOT NECESSARILY LIMITED TO ALL CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND ENTIRE PROJECT MANUAL. ELECTRICAL CONTRACTOR SHALL ACKNOWLEDGE AND INCLUDE IN THE SCOPE OF WORK (CONTRACT) ALL CONDITIONS PERTINENT TO THE COMPLETION OF THE ELECTRICAL WORK. ELECTRICAL CONTRACTOR SHALL FULLY COORDINATE ELECTRICAL WORK WITH THE INSTALLATION OF WORK BY ALL OTHER TRADES AND MAKE NECESSARY FIELD ADJUSTMENTS AS REQUIRED TO ACCOMMODATE THE INSTALLATION. ALL OF THE ABOVE SHALL BE INCLUDED IN THE SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER.
3. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE, IT SHALL NOT BE THE INTENT OF ISSUED PLANS AND/OR SPECIFICATIONS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE ELECTRICAL CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL NECESSARY ITEMS FOR A COMPLETE AND OPERATING SYSTEM.
4. ALL INSTALLATIONS SHALL CONFORM TO THE LATEST EDITION OF ENFORCED INTERNATIONAL BUILDING CODE AND NFPA-70 AT THE TIME OF PERMIT.
5. EACH BIDDER SHALL VISIT THE JOB SITE PRIOR TO BIDDING TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND TO ASCERTAIN THE EXTENT OF WORK REQUIRED. FAILURE TO VISIT SITE SHALL NOT EXCUSE CONTRACTOR FROM PERFORMING REQUIRED WORK NOR SHALL IT BE AN ACCEPTABLE REASON FOR REQUESTING ADDITIONS TO THE CONTRACT.
6. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE LISTED BY AN AGENCY SUCH AS UNDERWRITER'S LABORATORIES (UL), ELECTRICAL TESTING LABORATORY (ETL), ETC AND ACCEPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION. FOR THE USE INTENDED WHERE A STANDARD FOR SUCH MATERIALS AND USE EXISTS. ALL ITEMS OF THE SAME TYPE AND RATING SHALL BE IDENTICAL AND OF THE SAME MANUFACTURER.
7. THE WORD "PROVIDE" MEANS THAT THIS CONTRACTOR SHALL FURNISH, FABRICATE, ERECT, CONNECT, AND COMPLETELY INSTALL SYSTEMS IN PROPER OPERATING CONDITION. ALL LABOR, PRODUCT OPTIONS, ACCESSORIES AND INCIDENTAL MATERIALS REQUIRED SHALL BE INCLUDED AS PART OF THIS WORK TO COMPLETE THE INSTALLATION.
8. THE ELECTRICAL DRAWINGS INDICATE REQUIREMENTS OF MECHANICAL/PLUMBING/FIRE PROTECTION/KITCHEN EQUIPMENT BASED ON RESPECTIVE DRAWINGS AND SPECIFICATIONS. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL ELECTRICAL CONNECTIONS PRIOR TO ROUGH-IN USING APPROVED CATALOG SHEETS AND SHOP DRAWINGS. ACTUAL EQUIPMENT SUPPLIED MAY DIFFER, ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OTHER TRADE DISCIPLINES TO INSURE ANY CHANGES WILL BE INSTALLED CORRECTLY AT THE EXPENSE OF THE DISCIPLINE RESPONSIBLE MAKING THE CHANGES AND/OR SUBSTITUTIONS THAT VARY FROM THE CONSTRUCTION DOCUMENTS.
9. ALL ELECTRICAL CONNECTIONS WILL BE CODE COMPLIANT WITH N.E.C.
10. WIRING SYSTEMS SHALL CONSIST OF COPPER WIRING INSTALLED IN CONDUIT, MINIMUM WIRE SIZE SHALL BE # 12AWG, MINIMUM CONDUIT SIZE SHALL BE 3/4".
11. CONDUCTORS SHALL BE 99% COPPER (NO ALUMINUM CONDUCTORS WILL BE ACCEPTED). MINIMUM SIZE #12 AWG-3/4" C.
12. SUBSURFACE CONDUIT SHALL BE SCHEDULE 40PVC UNO. FOR RUNS GREATER THAN 50 FEET IN LENGTH, VERTICAL TURN UPS SHALL BE GRS SWEEP 90S WITH A BITUMASTIC COATING UNO.
13. CONTRACTOR SHALL REPAIR ANY DISTURBED AREA TO SAME COMPACTION, GRADE, SLOPE, ETC. AS ORIGINAL AREA INCLUDING REPLACEMENT OF SOD, GRASS, ROCK, GRAVEL, RIP-RAP, ETC. TO THE SATISFACTION OF THE OWNER AND ENGINEER.
14. CONTRACTOR SHALL REPAIR AND PATCH ALL WALLS, FLOORS, PENETRATIONS, ETC. TO MATCH THE ADJACENT SURFACE WHERE EQUIPMENT IS BEING REMOVED OR IF NECESSARY FOR THE INSTALLATION OF NEW EQUIPMENT UNDER THIS CONTRACT.
15. ANY AREA OF CONSTRUCTION DAMAGED DURING THIS CONTRACT SHALL BE REPAIRED TO MATCH ADJACENT SURFACES.
16. WITHIN ALL AREAS OF WORK, ALL UNUSED OR ABANDONED ELECTRICAL CONDUIT, CONDUCTORS, FITTINGS AND SUPPORTS SHALL BE REMOVED.
17. REMOVE ANY SPILLED DIRT, CONCRETE, ETC. FROM ANY DRIVEWAYS, ROADWAYS OR CONSTRUCTION SITE AS DIRECTED BY ARCHITECTURAL INSPECTOR.
18. CLEAN UP ALL DEBRIS AROUND CONSTRUCTION SITE DAILY.
19. ELECTRICAL CONTRACTOR SHALL ADJUST WIRE SIZE BASED ON ACTUAL INSTALLATION LENGTH VERSUS DESIGN DISTANCES MAXIMUM ALLOWED VOLTAGE DROP IS 3%.

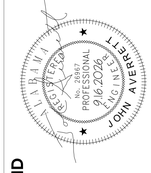
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PIKE RD, FALKVILLE, AL 35622

GMC # AHUN240006



ELECTRICAL LEGEND

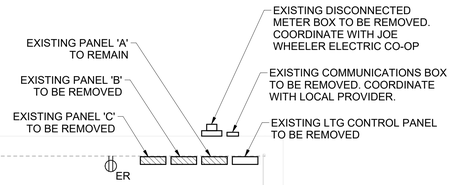
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KEYED NOTES (#):

1. EXISTING MECHANICAL UNIT TO BE REMOVED (BY OTHERS). REMOVE ALL WIRING, DISCONNECTS, BOXES, AND CONDUIT BACK TO PANEL SOURCE.

2. EXISTING BUILDING SIGN LOCATED AT STREET TO BE REMOVED (BY OTHERS). ELECTRICAL CONTRACTOR TO REMOVE ALL ELECTRICAL COMPONENTS (WIRING, BOXES, & CONDUIT, ETC.) BACK TO EXISTING PANEL SOURCE.



GENERAL DEMOLITION NOTES:

1. ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, AND COMPONENTS (LIGHTING FIXTURES, RECEPTACLES, DISCONNECTS, PANELS, ALL FIRE ALARM PANELS & DEVICES, ETC.) TO BE REMOVED FROM THE ENTIRE BUILDING. REMOVE ALL ASSOCIATED BOXES, WIRING, & CONDUIT AS REQUIRED.

2. REMOVE ALL EXISTING EXTERIOR WALLPACK FIXTURES AND SECURITY OVERHEAD FLOODLIGHTS AND ITS ENTIRETY. REMOVE ALL CONDUIT, BOXES, WIRING BACK TO PANEL SOURCE. REPAIR PATCH EXISTING LOCATIONS WHERE EXISTING LIGHTS WERE REMOVED AND NOT BEING REPLACED BY A NEW LIGHT IN SAME LOCATION.

PLAN NORTH / TRUE NORTH

1 ED1.01 ELECTRICAL DEMOLITION PLAN

1/4" = 1'-0"

GMC

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ISSUE FOR BID	09.16.2026

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DRAWN BY: JRA
CHECKED BY: JEA

FALKVILLE SENIOR CENTER
MORGAN COUNTY COMMISSION / 262 E PIKE RD, FALKVILLE, AL 35622

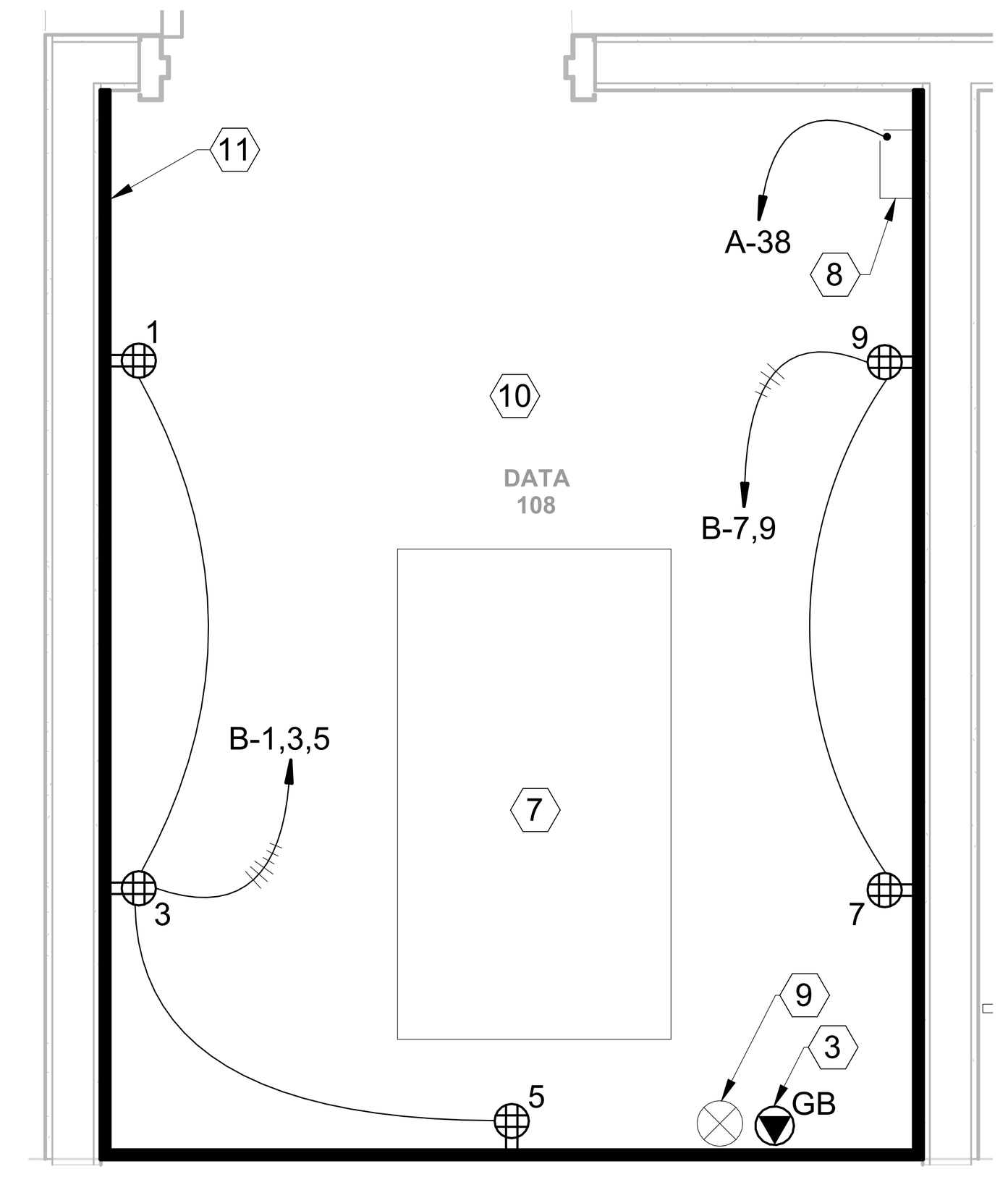
GMC # AHUN240006

REGISTERED PROFESSIONAL ENGINEER — No. 26167 — 09.16.2026 — JOHN AVERETT — ALABAMA

FLOOR PLAN - DEMOLITION

ED1.01

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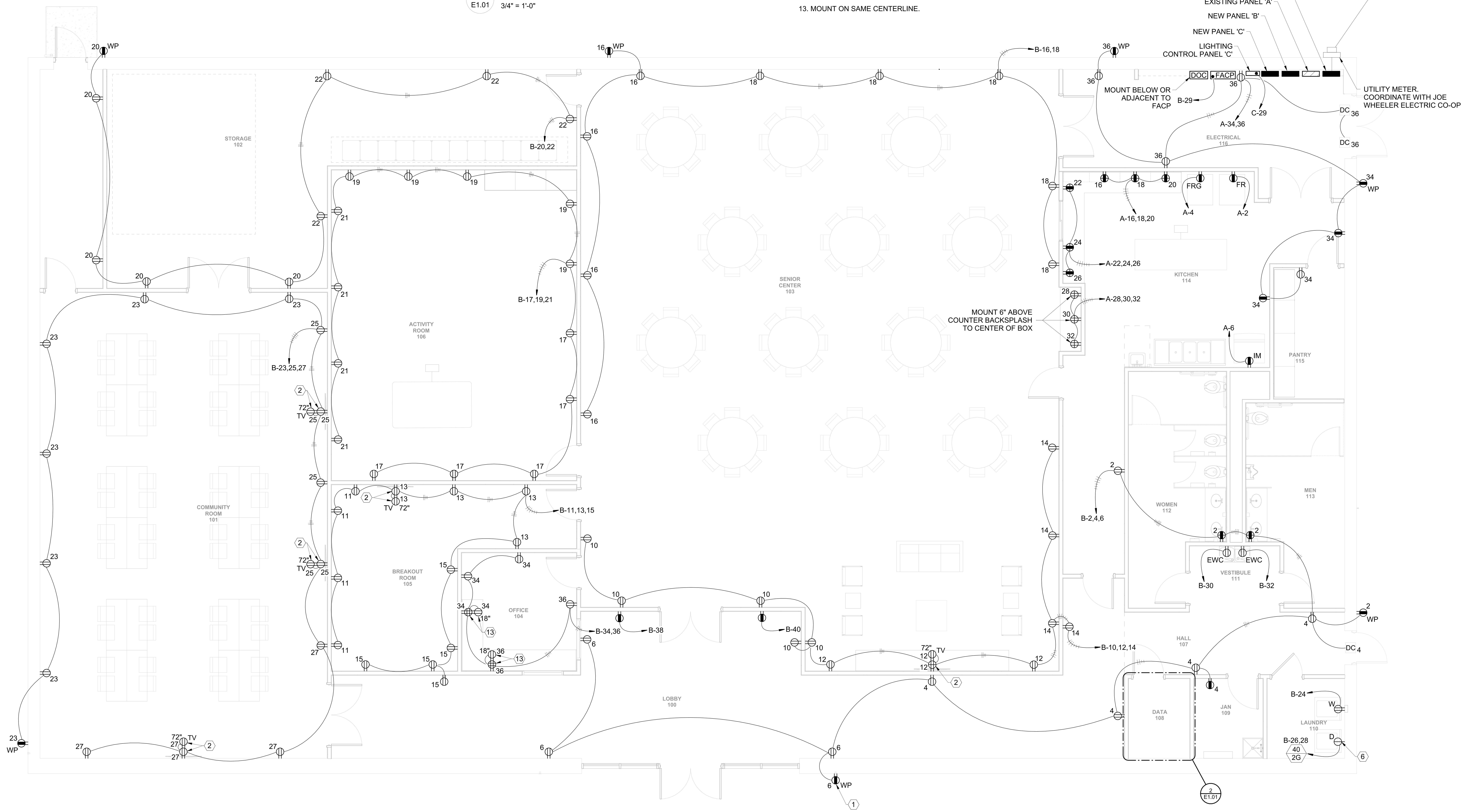
2
E1.01
ENLARGED DATA 108 ROOM
3/4" = 1'-0"

KEYED NOTES #:

1. CONTRACTOR TO RE-USE EXISTING BOX IF IN GOOD CONDITION.
2. MOUNT ON SAME CENTERLINE - SEE TV WALL DETAIL 6/E5.04.
3. GROUND BAR. SEE TELCOM GROUNDING DETAIL 3/E5.02.
4. EXISTING UTILITY POLE TO BE MODIFIED TO ACHIEVE DESIGN INTENT SHOWN. COORDINATE WITH JOE WHEELER ELECTRIC CO-OP.
5. OVERHEAD SECONDARY INTO WEATHERHEAD MOUNTED ON EXTERIOR WALL OF BUILDING. TERMINATE AS DIRECTED BY JOE WHEELER ELECTRIC CO-OP.
6. CONTRACTOR TO COORDINATE NEMA PLUG CONFIGURATION WITH MANUFACTURER REQUIREMENTS OF FURNISHED DRYER EQUIPMENT. DRYER MUST BE RATED FOR 240V, SINGLE PHASE.
7. 42U FLOOR MOUNTED OPEN FRAME DATA RACK, 43"X24"W. TRIPP-LITE OR APPROVED EQUAL. MOUNT SECURELY TO FLOOR STRUCTURE ON HOUSEKEEPING CONCRETE PAD. FRONT AND BACK OF RACK SHALL HAVE 36" CLEARANCE.
8. DOOR ACCESS CONTROLLER. COORDINATE WITH OWNER.
9. APPROXIMATE LOCATION OF STUB DOWN 4" CONDUIT WITH 6-STRAND SINGLEMODE FIBER (OS2). COORDINATE WITH LOCAL PROVIDER.
10. ALL QUAD RECEPTACLES IN THIS AREA TO BE MOUNTED AT 48" MAX TO THE TOP OF OPERABLE DEVICE.
11. TBB. 4'X6'X3/4" PLYWOOD BACKBOARD MOUNTED ON ALL WALLS AS SHOWN. BACKBOARD TO BE PAINTED WITH 2 COATS OF GREY FIRE RETARDANT PAINT.
12. MOUNT QUAD ABOVE DESK 6" ABOVE BACKSPLASH TO CENTER OF BOX.
13. MOUNT ON SAME CENTERLINE.

SHEET NOTES

1. COMPLY WITH ALL APPLICABLE BUILDING CODES AND LOCAL AHJ.
2. CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL NEW WORK AND POWER OUTAGES WITH OWNER. ALL NEW WORK SHALL NOT INTERFERE WITH DAILY OPERATIONS OF OTHER AREAS AND FUNCTIONS OF THIS BUILDING.
3. COORDINATE LOCATION AND MOUNTING HEIGHTS OF ALL ELECTRICAL DEVICES WITH CASEWORK, FURNITURE AND ARCHITECTURAL ELEVATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONING.
4. COORDINATE ALL EQUIPMENT LOCATIONS AND CONNECTION REQUIREMENTS WITH ARCHITECTURAL DRAWINGS AND EQUIPMENT VENDORS.
5. COORDINATE FINAL CONNECTIONS, RECEPTACLE TYPES, WIRING CONFIGURATIONS, AND OVERCURRENT REQUIREMENTS WITH FINAL EQUIPMENT SELECTRIONS AND EQUIPMENT INSTALLATION DOCUMENTS.
6. ELECTRICAL CONTRACTOR IS FULLY RESPONSIBLE FOR COORDINATING WITH JOE WHEELER ELECTRIC CO-OP LOCAL OFFICE AND ALL ASSOCIATED FEES FOR THE NEW ELECTRICAL SERVICE. CONTRACTOR SHALL FULLY COORDINATE ALL REQUIREMENTS AND FEES PRIOR TO BID.



PLAN NORTH
TRUE NORTH

1
E1.01
POWER PLAN
1/4" = 1'-0"

9/17/2026 11:50:55 AM

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GMC # AHUN240006

STATE OF ALABAMA REGISTERED No. 26967 PROFESSIONAL ENGINEER JOHN AVERRETT 9.16.2026

FLOOR PLAN - POWER

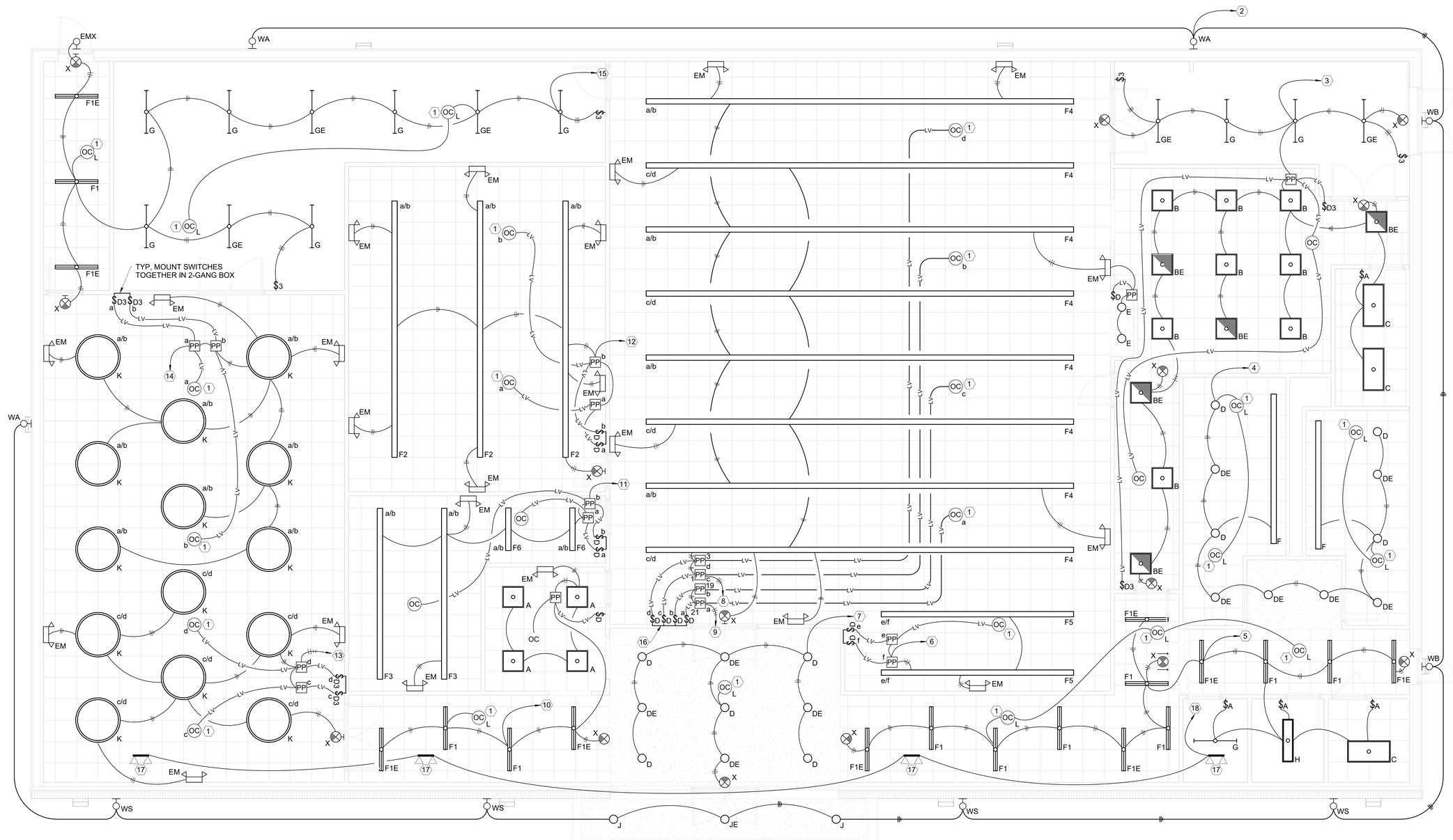
E1.01

KEYED NOTES (#):

1. INTERCONNECT OCCUPANCY SENSORS SO THAT ALL FUNCTION AS ONE WHEN ONE IS ACTIVATED. SENSORS SHALL BE PROGRAMMED TO BE TIMED-ON DURING NORMAL BUSINESS HOURS, AND AUTOMATIC ON-OFF OPERATION DURING AFTER HOURS.
2. C-2 THRU RELAY 'C1' IN RELAY CONTROL PANEL 'C'.
3. C-4
4. C-6
5. C-8 THRU RELAY 'C2' IN RELAY CONTROL PANEL 'C'.
6. C-10
7. C-16 THRU RELAY 'C3' IN RELAY CONTROL PANEL 'C'.
8. C-1,3
9. C-19,21
10. C-5 THRU RELAY 'C4' IN RELAY CONTROL PANEL 'C'.
11. C-7
12. C-9
13. C-11,13
14. C-15,17
15. C-18
16. MOUNT ALL SWITCHES TOGETHER IN 4-GANG BOX.
17. ROOF MOUNTED FLOODLIGHT IN SAME LOCATION AS EXISTING TO BE REMOVED. ELECTRICAL CONTRACTOR SHALL REUSE OPENING IN ROOF IF DEEMED ACCEPTABLE AND IS IN SATISFACTORY CODE COMPLIANT CONDITION. IF NOT THEN THE CONTRACTOR WILL COORDINATE NEW OPENING WITH ROOFING/GENERAL CONTRACTOR.
18. C-12 THRU CONTACTOR 'C5' IN RELAY CONTROL PANEL 'C'.

SHEET NOTES

1. OCCUPANCY SENSORS AND LIGHTING CONTROL DEVICES SHOWN REFLECT FUNCTIONAL INTENT OF CONTROLS IN EACH SPACE. PROVIDE ADDITIONAL DEVICES AS NEEDED FOR COMPLETE SPACE COVERAGE.
2. COORDINATE EXACT LOCATION OF SWITCHES AND WALL STATIONS WITH ARCHITECT / OWNER BEFORE ROUGH-IN.
3. COORDINATE LOCATION OF CEILING MOUNTED DEVICES WITH ARCHITECTURAL REFLECTED CEILING PLAN.
4. COORDINATE MOUNTING HEIGHTS FOR PENDANT DECORATIVE LIGHTING WITH ARCHITECTURAL ELEVATIONS.
5. INSTALL LIGHTING CONTROL RELAYS/POWER PACKS AND REMOTE DRIVERS ABOVE ACCESSIBLE CEILING.
6. PROVIDE CONTINUOUS HOT PHASE CONDUCTOR TO ALL LIGHTING FIXTURE WITH EMERGENCY BATTERY OPERATIONS.
7. LIGHT FIXTURE LOCATIONS IN ELECTRICAL, MECHANICAL, AND IT/COMM ROOMS SHALL BE COORDINATED WITH EQUIPMENT LAYOUT IN ROOM TO PROVIDE ILLUMINATION OF WORK SPACES FOR ROUTINE MAINTENANCE. FOR ROOMS WITHOUT CEILINGS LIGHTING SHALL BE SUSPENDED BY CHAINS BELOW PIPING AND DUCTWORK OR AT 10' AFF.



PLAN NORTH / TRUE NORTH

1 E2.01 LIGHTING PLAN
1/4" = 1'-0"

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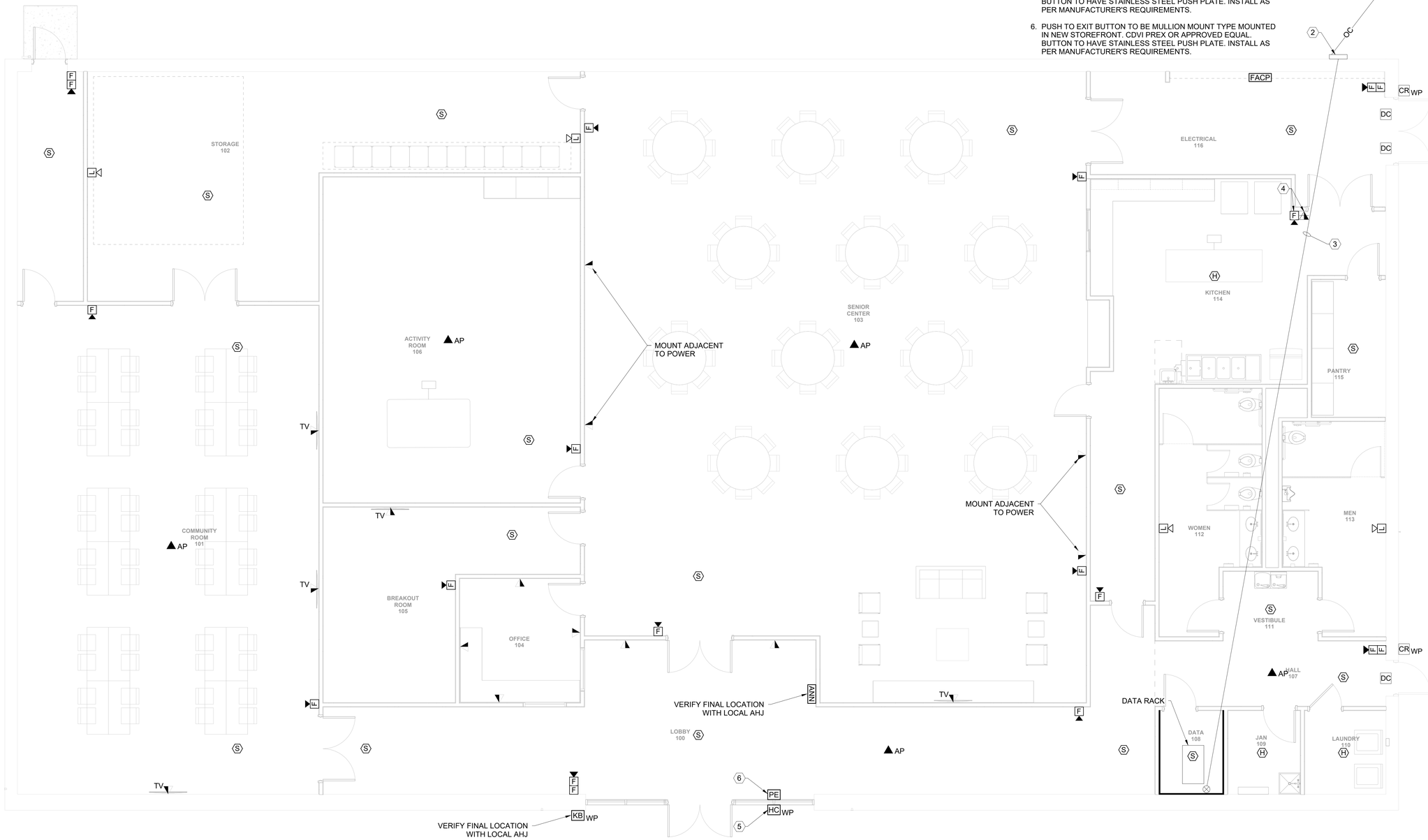
FLOOR PLAN - LIGHTING

E2.01

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GENERAL NOTES:
1. ALL STRUCTURED CABLING TO BE PLENUM RATED CATEGORY 6 TYPE UNLESS OTHERWISE NOTED.
2. ALL CABLING SHALL BE TERMINATED IN DATA RM 108 AS DIRECTED BY OWNER'S IT DEPARTMENT.
3. ALL STRUCTURED CABLING INSTALLATIONS MUST MEET ANSI/TIA-568 STANDARD; TESTED AND CERTIFIED FOR A COMPLETE OPERATING SYSTEM AT PROJECT END.

KEYED NOTES (#):
1. APPROXIMATE LOCATION OF EXISTING UTILITY POLE TO BE MODIFIED TO ACHIEVE DESIGN INTENT SHOWN. COORDINATE WITH LOCAL COMMUNICATIONS PROVIDER.
2. INCOMING COMMUNICATIONS SERVICE FROM UTILITY POLE. COORDINATE WITH LOCAL PROVIDER.
3. 4"C WITH 6 STRAND SINGLE MODE FIBER OPTIC CABLING (OS2) ROUTED ABOVE CEILING TO TBB IN DATA RM 108. TERMINATE IN FIBER ENCLOSURE AS DIRECTED BY LOCAL PROVIDER. CONTRACTOR TO CORE DRILL THROUGH EXISTING EXTERIOR WALL TO ABOVE CEILING. TERMINATE FIBER IN DATA RM 108 AS DIRECTED BY OWNER'S IT DEPARTMENT.
4. MOUNT ON SAME CENTERLINE.
5. HANDICAP BUTTON TO BE MULLION MOUNT TYPE MOUNTED IN NEW STOREFRONT. RCI 941 SERIES OR APPROVED EQUAL. BUTTON TO HAVE STAINLESS STEEL PUSH PLATE. INSTALL AS PER MANUFACTURER'S REQUIREMENTS.
6. PUSH TO EXIT BUTTON TO BE MULLION MOUNT TYPE MOUNTED IN NEW STOREFRONT. CDVI PREX OR APPROVED EQUAL. BUTTON TO HAVE STAINLESS STEEL PUSH PLATE. INSTALL AS PER MANUFACTURER'S REQUIREMENTS.



PLAN NORTH
TRUE NORTH

1 E3.01 SYSTEMS PLAN
1/4" = 1'-0"

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MORGAN COUNTY COMMISSION / 262 E
PIKE RD, FALKVILLE, AL 35622

GMC # AHUN240006

JOHN AVERETT
ALABAMA
No. 26987
PROFESSIONAL
09.16.2026
ENGINEER

FLOOR PLAN - SYSTEMS

E3.01

9/17/2026 11:50:56 AM

GENERAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL CONNECT AND/OR PROVIDE FINAL CONNECTIONS TO ALL EQUIPMENT SUPPLIED BY OTHERS APPLICABLE TO THE PROJECT INCLUDING MECHANICAL, PLUMBING, ETC. UNO.
2. ELECTRICAL CONTRACTOR SHALL COORDINATION ALL ELECTRICAL CONNECTIONS WITH THE MECHANICAL DRAWINGS AND WIRING SCHEMATICS PRIOR TO ROUGH-IN USING APPROVED SUBMITTALS AND SHOP- DRAWINGS. DRAWINGS INDICATE REQUIREMENTS OF MECHANICAL AND PLUMBING EQUIPMENT BASED ON RESPECTIVE DRAWINGS AND SPECIFICATIONS. ACTUAL EQUIPMENT SUPPLIED MAY DIFFER. IT IS FULL RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL DRAWINGS AND CONTRACTOR TO INSURE ALL EQUIPMENT WILL BE INSTALLED CORRECTLY. ANY CHANGES MADE OR SUBSTITUTION FROM THE CONSTRUCTION DOCUMENTS WILL BE THE RESPONSIBILITY OF THAT DISCIPLINE.
3. CONTRACTOR TO COORDINATE WITH MECHANICAL AND PLUMBING DRAWINGS.
4. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT ELECTRICAL WIRING REQUIREMENTS FOR HVAC AND PLUMBING EQUIPMENT WITH MECHANICAL AND PLUMBING SUBCONTRACTORS PRIOR TO ROUGH-IN BEING DONE.
5. ELECTRICAL CONTRACTOR SHALL SUBMIT (ALONG WITH SHOP DRAWINGS) WRITTEN VERIFICATION THAT ALL ELECTRICAL REQUIREMENTS FOR HVAC AND PLUMBING EQUIPMENT HAVE BEEN COORDINATED WITH MECHANICAL AND PLUMBING SUBCONTRACTORS. WRITTEN DOCUMENT SHALL INDICATE ANY DIFFERENCE BETWEEN DESIGN REQUIREMENTS AND ACTUAL VERIFIED REQUIREMENTS AND SHALL RECOMMEND SOLUTIONS TO ANY CONFLICTS FOUND.

KEYED NOTES (#):

1. CONTRACTOR TO REPLACE EXISTING 60A/2P BREAKER IN EXISTING PANEL 'A' WITH NEW 15A/2P BREAKER. NEW BREAKER SHALL MATCH EXISTING PANEL MANUFACTURER MODEL AND AIC RATING. SEE PANEL SCHEDULES.
2. CONTRACTOR TO REPLACE EXISTING 40A/2P BREAKER IN EXISTING PANEL 'A' WITH NEW 50A/2P BREAKER. NEW BREAKER SHALL MATCH EXISTING PANEL MANUFACTURER MODEL AND AIC RATING. SEE PANEL SCHEDULES.
3. CONNECT TO MECHANICAL UNIT (INSTALLED BY OTHERS) AS PER MANUFACTURER'S REQUIREMENTS.
4. CONNECT TO WATER HEATER (INSTALLED BY OTHERS) AS PER MANUFACTURER'S REQUIREMENTS.
5. EXHAUST FAN TO BE INTERLOCKED WITH THE LIGHTING BRANCH CIRCUIT IN THIS AREA. COORDINATE FINAL LOCATION AND REQUIREMENTS WITH MECHANICAL CONTRACTOR.



PLAN NORTH / TRUE NORTH

1 / E4.01 MECHANICAL POWER PLAN

1/4" = 1'-0"

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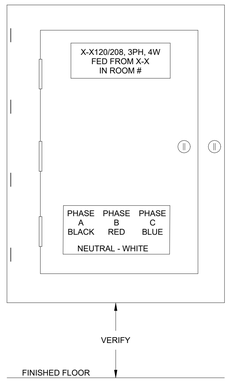
GMC # AHUN240006

JOHN AVERETT
No. 26987
PROFESSIONAL
09.16.2026
ENGINEER
ALABAMA

FLOOR PLAN - MECHANICAL POWER PLAN

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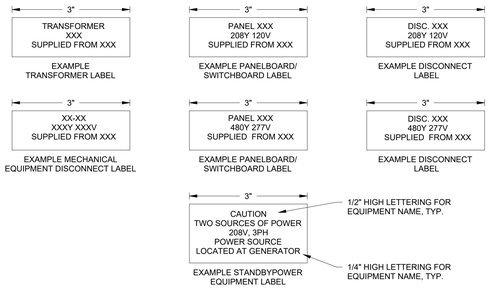
277/480, 3PH, 4W
PHASE A - BROWN
PHASE B - ORANGE
PHASE C - YELLOW
NEUTRAL - GRAY

NOTES:

1. ADJUST AS REQUIRED FOR PROJECT VOLTAGE.
2. PANEL LABEL TO BE ADHESIVE, PHENOLIC TYPE. BLACK LETTERS ON WHITE BACKGROUND.

1 PANELBOARD INSTALLATION & NAME PLATE DETAIL

DIAGRAMMATIC



2 TYPICAL EQUIPMENT LABELING DETAIL

DIAGRAMMATIC

NOTES:

1. ENGRAVED PLASTIC TAG WITH WHITE LETTERS ON BLACK BACKGROUND (RED BACKGROUND FOR EMERGENCY EQUIPMENT). TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH ADHESIVE GLUE.
2. MINIMUM EQUIPMENT LABEL SIZE MUST BE LARGE ENOUGH TO ACCOMMODATE ALL TEXT.

WARNING

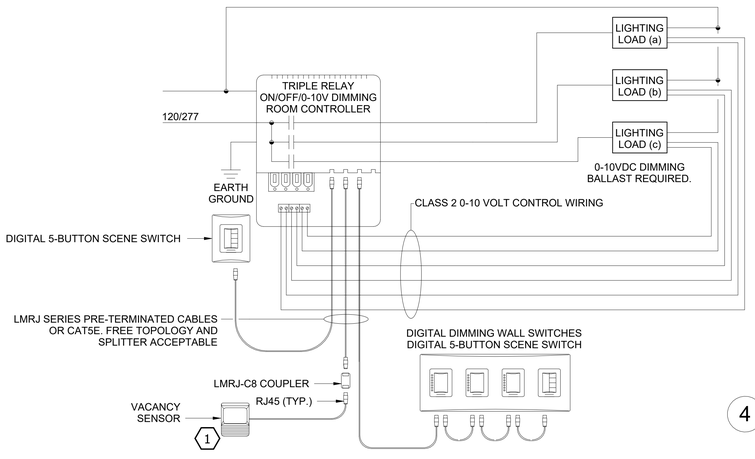
Arc Flash Hazard.
Appropriate PPE Required.
Failure To Comply Can Result in
Death or Injury.
Refer to NFPA 70 E.

3 ARC FLASH WARNING LABEL

DIAGRAMMATIC

NOTES:

1. PROVIDE SELF-ADHESIVE VINYL LABEL TO AFFIX TO ELECTRICAL EQUIPMENT TO WARN OF ARC FLASH HAZARDS.
2. THE LABEL FORMAT, SIZE, AND TEXT SHALL BE IN ACCORDANCE WITH OSHA AND NFPA 72 REQUIREMENTS.
3. THE LABEL SHALL BE LOCATED ON THE EQUIPMENT TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.



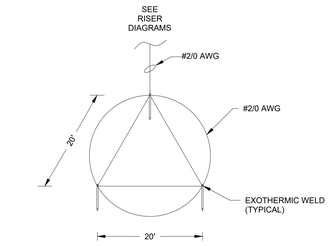
GENERAL NOTES:

1. DEVICES ARE PRESET FOR PLUG AND GO OPERATION.
2. SEQUENCE OF OPERATION: IN THIS CONFIGURATION THE LMRC-213 DEFAULTS TO MULTI-LEVEL AUTOMATIC-ON AND AUTOMATIC-OFF OPERATION. LOAD (a) ON THE LMRC-213 TURNS ON AUTOMATICALLY, WHILE LOAD (b) AND LOAD (c) DEFAULTS TO MANUAL-ON CONTROL; ALL RELAYS TURN OFF AUTOMATICALLY.
3. ENHANCED ROOM CONTROLLERS SUPPORT UP TO 64 LOADS AND 48 DEVICES PER DLM LOCAL NETWORK. AT SYSTEM STARTUP, DEFAULT DIMMING PARAMETERS ARE ESTABLISHED INCLUDING: LEVELS FOR PRESETS 1-4; FADE TIMES; AND FADE AND RAMP RATERS. DIMMING AND SYSTEM PARAMETERS MAY BE CUSTOMIZED.
4. FOR FULL OPERATIONAL DETAILS. ADJUSTMENTS AND MORE FEATURES OF THE PRODUCT.

KEYED NOTE: (#)
1. CORNER MOUNT SENSOR SHOWN WITH PIGTAIL AND SUPPLIED COUPLER. CEILING MOUNT SENSOR HAS TWO RJ45 PORTS.

4 TYPICAL LIGHTING - ROOM CONTROLLER DETAIL

NOT TO SCALE:

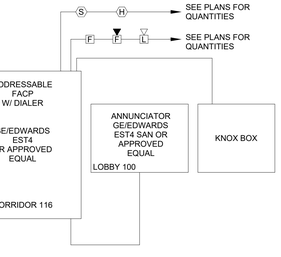


5 GROUND MAT DETAIL

DIAGRAMMATIC

NOTES:

1. ALL WIRE FOR GROUND MAT SHALL BE #2/0 AWG UNO.
2. GROUND RODS SHALL BE 3/4" X 20' SECTIONAL COPPER GROUND RODS.
3. ALL CONNECTIONS BETWEEN GROUND RODS AND GROUND CONDUCTORS SHALL BE EXOTHERMIC WELD.
4. GROUND MAT SHALL BE INSTALLED 24" BELOW GRADE MINIMUM.
5. IN ADDITION TO THE GROUND MAT, THE CONTRACTOR SHALL PROVIDE A COMPLETE GROUNDING SYSTEM IAW N.E.C. ARTICLE 250.

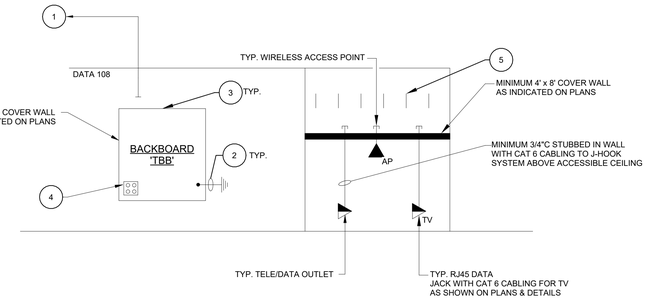


6 FIRE ALARM RISER DIAGRAM

DIAGRAMMATIC

FIRE ALARM SYSTEM NOTES:

1. THE FIRE ALARM SYSTEM SHALL BE A COMPLETE SUPERVISED DETECTION AND ALARM SYSTEM. PROVIDE PRIMARY POWER CIRCUITS, ALARM NOTIFICATION DEVICES, AND EQUIPMENT, AND INITIATING CIRDUITS AND DEVICES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. INSTALL SUCH THAT ALL DEVICES AND EQUIPMENT ARE ACCESSIBLE FOR VISUAL INSPECTION AND MAINTENANCE.
2. INSTALLATION SHALL COMPLY WITH THE ADA, NEC, NFPA, AND UL.
3. ALL SYSTEM ENCLOSURES, FRAMES, SURGE ARRESTORS, ETC., SHALL BE GROUNDED.
4. A "CERTIFICATE OF COMPLETION" IN ACCORDANCE WITH NFPA72 SHALL BE FURNISHED PRIOR TO FINAL ACCEPTANCE.
5. CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND PROVIDING ALL FIRE ALARM DEVICE QUANTITIES FROM DRAWINGS (SEE NOTE 19).
6. PROVIDE ADDITIONAL NOTIFICATION APPLIANCE CIRCUIT PANELS, AMPLIFIERS, POWER SUPPLIES, ETC. FOR FUTURE CAPACITY TO HAVE SYSTEM WORK CORRECTLY AS ONE SYSTEM.
7. PROVIDE EMERGENCY BATTERIES CAPABLE OF RUNNING THE COMPLETE FIRE ALARM SYSTEM IN ALARM MODE, PER NFPA GUIDELINES AT A MINIMUM. BATTERIES SHALL BE SIZED TO HANDLE THE FUTURE CAPACITY.
8. FIRE ALARM SYSTEM SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72.
9. ALL WIRING TO BE IN CONDUIT SIZED IN ACCORDANCE WITH NEC. WITH A MINIMUM SIZE OF 3/4".
10. PROVIDE ALL FIRE ALARM JUNCTION BOXES WITH RED COVERS.
11. FIRE ALARM CONTRACTOR IS RESPONSIBLE FOR PROVIDING SIGNAL LINE BOOSTERS AS REQUIRED FOR SYSTEM TO FUNCTION PROPERLY.
12. PROVIDE TVSS PROTECTION FOR ALL INCOMING SERVICES (OWNER PROVIDED TELEPHONE, ETC.) TO ALL FIRE ALARM PANELS. ANY CIRCUITS LEAVING BUILDING SHALL HAVE TVSS PROTECTION.
13. PROVIDE CONNECTION TO TELEPHONE SYSTEM FOR AUTO-DIALER FOR EMERGENCY NOTIFICATION. CONTRACTOR WILL COORDINATE WITH OWNER TO ENSURE OWNER HAS PROVIDED NECESSARY CONNECTION TO TELEPHONE SYSTEM. CONTRACTOR SHALL ENSURE THAT THE FIRE ALARM SYSTEM IS FULLY FUNCTIONAL PRIOR TO LIFE SAFETY AND FINAL INSPECTIONS.
14. PROVIDE CONNECTION TO POST INDICATOR VALVE (OR BACKFLOW PREVENTER) AS PER REQUIREMENTS OF LOCAL AHJ. VERIFY LOCATION PRIOR TO SUBMITTING PRICE.
15. ALL FIRE ALARM SYSTEM SUBMITTALS MUST BE SUBMITTED FOR APPROVAL BY LOCAL AHJ. ANY AND ALL COMMENTS MUST BE INCLUDED WITH SUBMITTAL TO ENGINEER'S OFFICE FOR REVIEW.
16. CONTRACTOR SHALL PROVIDE FIRE ALARM SHOP DRAWINGS TO INCLUDE THE FOLLOWING PER NFPA 72.
    A. INDICATE TYPE OF BUILDING CONSTRUCTION AND OCCUPANCY.
    B. INDICATE TYPE OF FIRE ALARM SYSTEM, FIRE ALARM DEVICES, AND AREA OF COVERAGE.
    C. INDICATE ALL FIRE ALARM DEVICES AND EQUIPMENT ON PLANS AND WIRING DIAGRAMS. PROVIDE CALCULATIONS SHOWING SECONDARY SUPPLY AND VOLTAGE DROP, AND RESPONSE POINTS.
    D. COMPLETE LIST OF DETECTION, EVACUATION SIGNALING, AND ANNUNCIATOR ZONES.
    E. INDICATE CANDELA RATINGS FOR ALL VISUAL NOTIFICATION DEVICES.
    F. COMPLETE LIST OF SAFETY CONTROL FUNCTIONS, SEQUENCE OF OPERATIONS DETAILING ALL INPUTS AND OUTPUTS.
    G. NOTE ON PLAN INDICATING THAT THE INSTALLATION SHALL BE CERTIFIED AND THE INSTALLATION SHALL BE PLACARDED.
17. PROVIDE OPERATING AND MAINTENANCE PROCEDURES TO INCLUDE A MINIMUM OF 4 HRS OF TRAINING BY FACTORY TRAINED TECHNICIAN.
18. CONTRACTOR TO PROVIDE IN THE BID A MINIMUM OF ADDITIONAL 2 PULL STATIONS, , 2 HORN STROBES, AND 3 STROBES COMPLETE WITH 100' OF CONDUIT AND CABLE PER DEVICE FOR PLACEMENT PER THE DIRECTION OF THE AHJ. IF DEVICES NOT INSTALLED, SHALL BECOME OWNER'S ATTIC STOCK AND A CREDIT FOR LABOR WILL BE ISSUED.
19. PROVIDE ALLOWANCE FOR KNOX BOX CONNECTION. COORDINATE FINAL LOCATION WITH THE FIRE MARSHALL. REFER TO PLAN FOR NUMBER AND LOCATION AS APPROVED BY AHJ AND OWNER.
20. WITH EVERY SYSTEM, A DOCUMENT CABINET SHALL BE INSTALLED AT THE SYSTEM CONTROL UNIT OR AT ANOTHER APPROVED LOCATION AT THE PROTECTED PREMISES. ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENTATION CABINET. WHERE THE DOCUMENTATION CABINET IS NOT IN THE SAME LOCATION AS THE SYSTEM CONTROL UNITS, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT. THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS". THE CONTENTS OF THE CABINET SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.



7 TELE/COM RISER DIAGRAM

NOT TO SCALE

RISER DIAGRAM KEYED AND GENERAL NOTES (#)

1. INCOMING COMMUNICATIONS SERVICE - COORDINATE PROPERTY TERMINATION POINT WITH OWNER AND LOCAL PROVIDER, ONE (1) 4" CONDUIT WITH 6 STRAND SINGLE MODE FIBER OPTIC CABLING (OS2). TERMINATE AS DIRECTED BY OWNER'S IT DEPARTMENT.
2. SEE TELECOM GROUNDING RISER DIAGRAM FOR ADDITIONAL REQUIREMENTS FOR GROUNDING.
3. FIRE RETARDANT PLYWOOD BACKBOARD - PAINTED WITH 2 COATS OF FIRE RETARDANT PAINT ON BOTH SIDES AND ALL EDGES.
4. QUAD NEMA 5-20 RECEPTACLE. MOUNT AT 48" A.F.F. BACKBOARD.
5. PROVIDE A J-HOOK SYSTEM. LOCATE ABOVE CEILING WITH MINIMUM SPACING OF 36" ON CENTER. ROUTING SHALL BE FROM TELE/DATA OUTLETS SHOWN ON THE PLANS BACK TO TELEPHONE BACKBOARD.

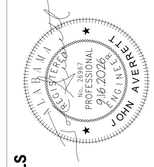
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CHECKED BY: JEA

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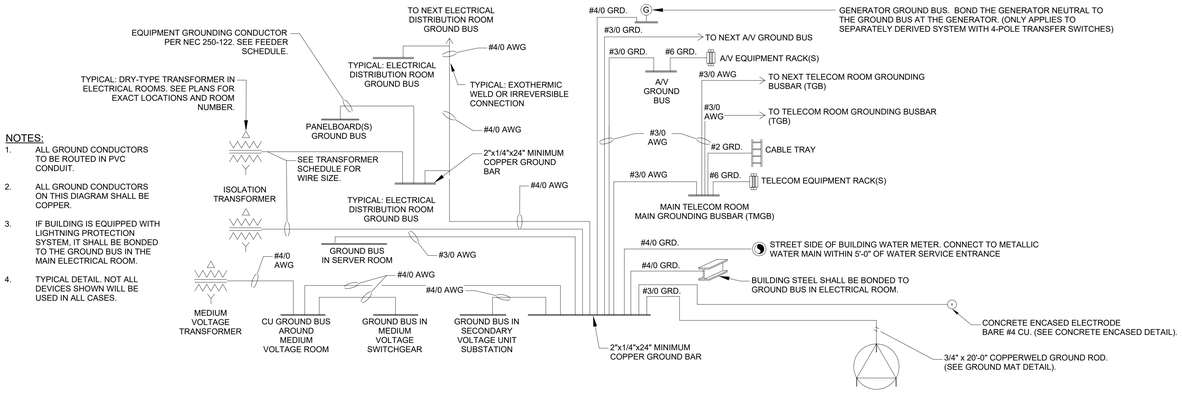
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ELECTRICAL DETAILS

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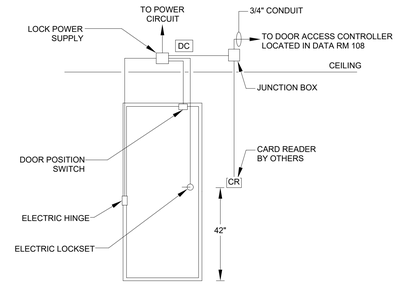


NOTES:

1. ALL GROUND CONDUCTORS TO BE ROUTED IN PVC CONDUIT.
2. ALL GROUND CONDUCTORS ON THIS DIAGRAM SHALL BE COPPER.
3. IF BUILDING IS EQUIPPED WITH LIGHTNING PROTECTION SYSTEM, IT SHALL BE BONDED TO THE GROUND BUS IN THE MAIN ELECTRICAL ROOM.
4. TYPICAL DETAIL. NOT ALL DEVICES SHOWN WILL BE USED IN ALL CASES.

1 GROUNDING SYSTEM DETAIL

DIAGRAMMATIC

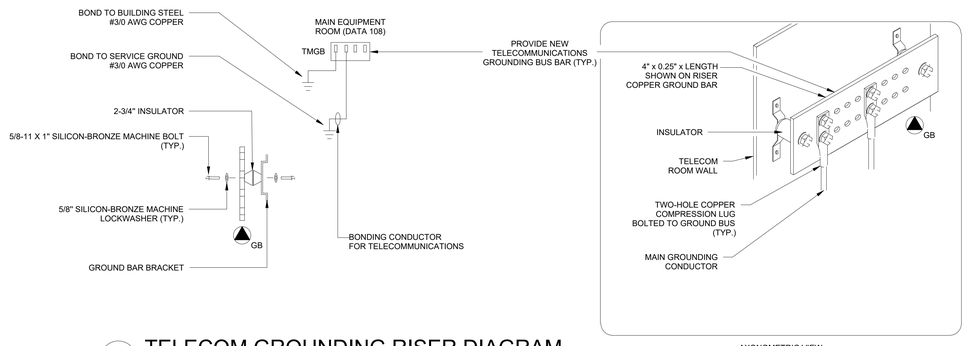


2 CARD READER ELECTRICAL DETAIL - SINGLE DOOR

DIAGRAMMATIC

NOTES:

1. ALL WIRING TO BE RUN IN 3/4"C UNLESS OTHERWISE NOTED.
2. WIRING TO CONFORM TO MANUFACTURER'S SPECIFICATION. ELECTRICAL CONTRACTOR TO PROVIDE WIRING.
3. VERIFY CONDUIT LOCATIONS WITH DOOR HARDWARE MANUFACTURER.

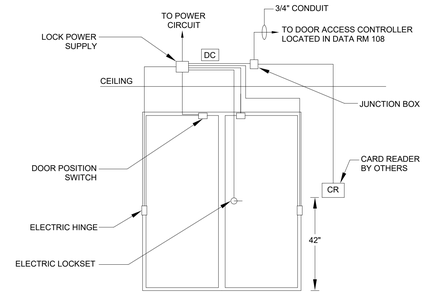


3 TELECOM GROUNDING RISER DIAGRAM

DIAGRAMMATIC

GROUND MAT DETAIL NOTES:

1. TELECOMMUNICATIONS CONTRACTOR SHALL BOND ALL METAL RACKS, ENCLOSURES, CABLE RUNWAYS, AND OTHER METALLIC ELEMENTS IN MAIN EQUIPMENT ROOM AND TELECOMMUNICATIONS ROOM TO GROUND BUS BAR # 6 AWG COPPER.

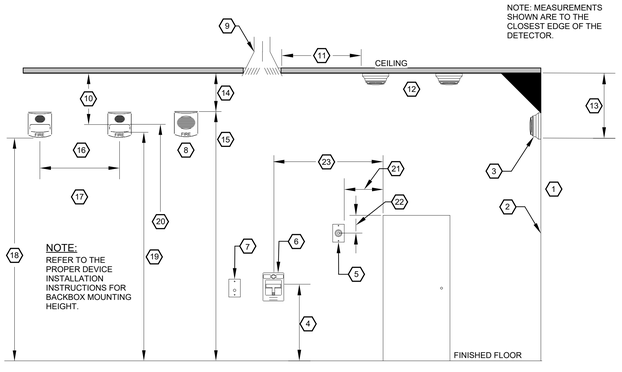


4 CARD READER ELECTRICAL DETAIL - DOUBLE DOOR

DIAGRAMMATIC

NOTES:

1. ALL WIRING TO BE RUN IN 3/4" CONDUIT UNLESS OTHERWISE NOTED. TO BE INSTALLED BY ELECTRICAL CONTRACTOR.
2. WIRING TO CONFORM TO MANUFACTURER'S SPECIFICATION. CONTROLS CONTRACTOR TO PROVIDE WIRING AND CARD READER.
3. VERIFY CONDUIT LOCATIONS WITH DOOR HARDWARE MANUFACTURER.



KEYED NOTE: (#)

1. SIDE WALL.
2. FINISHED WALL
3. WALL MOUNTED SMOKE/HEAT DETECTOR.
4. 48" MAX (ADA,NFPA), 42" MINIMUM (NFPA). MEASUREMENTS SHOWN ARE TO TOP OF PULL HANDLE.
5. MAGNETIC DOOR HOLDER.
6. MANUAL PULL STATION.
7. FIRE PHONE JACK.
8. AUDIBLE ONLY.
9. A/C SUPPLY OR RETURN DIFFUSER.
10. FOR CEILING HEIGHTS LESS THAN 86", THE VISUAL LENS MOUNTING HEIGHT SHALL BE WITHIN 6" OF THE CEILING.
11. 3' MINIMUM.
12. CEILING MOUNTED SMOKE/HEAT DETECTOR.
13. 12" MAX.
14. NFPA 72 AUDIBLE APPLIANCE 6" MINIMUM BELOW FINISHED CEILING.
15. 90" MINIMUM ABOVE FINISHED FLOOR (OTHER MOUNTING HEIGHTS SHALL BE PERMITTED BY THE AHJ PROVIDING IT MEETS THE SOUND LEVEL OUTPUT REQUIRED.)
16. AUDIBLE/VISUAL & VISUAL ONLY APPLIANCES.
17. SYCHRONIZE MORE THAN TWO APPLIANCES IN ANY FIELD OF VIEW.
18. REF. 80" MINIMUM (IBC) REF. 96" MAX (IBC) ABOVE FINISHED FLOOR.
19. 80" MINIMUM (ADA) TO BOTTOM OF LENS.
20. 96" MAX (NFPA, ADA) ABOVE FINISHED FLOOR TO TOP OF LENS.
21. DOOR WIDTH, LESS 3".
22. 5".
23. TO EXIT DOOR 5' MAX.

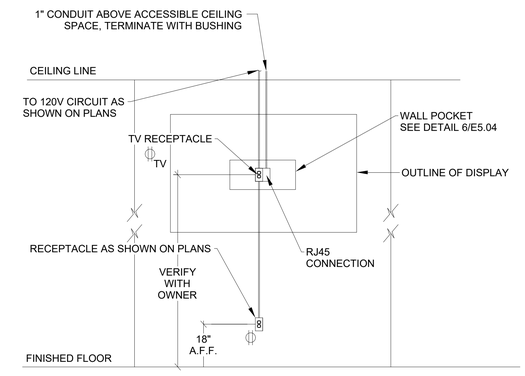
VISUAL APPLIANCE MOUNTING HEIGHT CONSIDERATIONS IN SLEEPING ROOMS

1. MIN DISTANCE IN SLEEPING ROOMS IS 24" (610mm) FROM CEILING TO TOP OF LENS FOR 110CD STROBES WITHIN 18' OF THE PILLOW.

2. 177CD STROBES, USED IN SLEEPING ROOMS, CAN BE WITHIN THE 24" (610mm) MINIMUM DISTANCE FROM THE CEILING. THE HIGHER INTENSITY IS TO COMPENSATE FOR A POSSIBLE SMOKE LAYER.

5 DEVICE MOUNTING HEIGHT DETAIL (PER NFPA 72)

NOT TO SCALE



6 TV WALL DETAIL

DIAGRAMMATIC

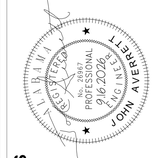
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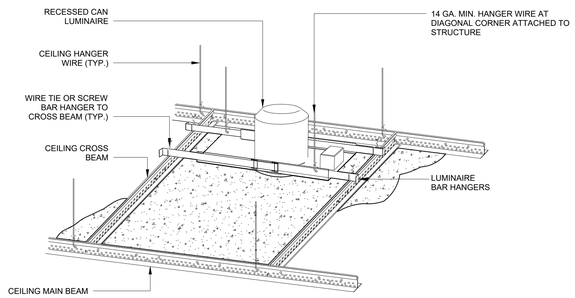
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ELECTRICAL DETAILS

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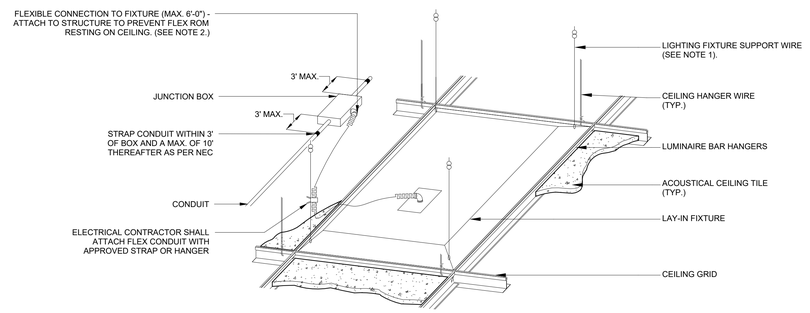


1 DOWNLIGHT MOUNTING - GYPBOARD CEILING

DIAGRAMMATIC

NOTE:

1. WHERE GYPBOARD INSTALLED HARD ON STRUCTURE (NOT SUSPENDED) ADJUST DETAIL ACCORDINGLY.



2 LAY-IN FIXTURE SUPPORT DETAIL

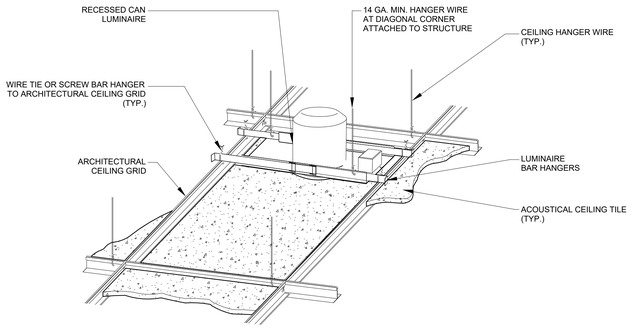
DIAGRAMMATIC

NOTES:

1. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL LIGHTING FIXTURE HANGERS SEPARATE FROM CEILING SYSTEM HANGERS. LIGHTING FIXTURE SUPPORT WIRES SHALL BE ATTACHED TO STRUCTURAL MEMBERS SO THAT FIXTURE IS SUPPORTED INDEPENDENT OF CEILING. WIRE TO BE A MIN. OF #14 GAGE PRE-STRAIGHTENED GALV. ATTACH AT ALL 4 CORNERS.
2. FLEX CONNECTOR SHALL BE PROPERLY SUPPORTED AND SHALL NOT BE IN CONTACT WITH OTHER MATERIAL IN CEILING SUCH AS DUCT WORK OR DUCT INSULATION.

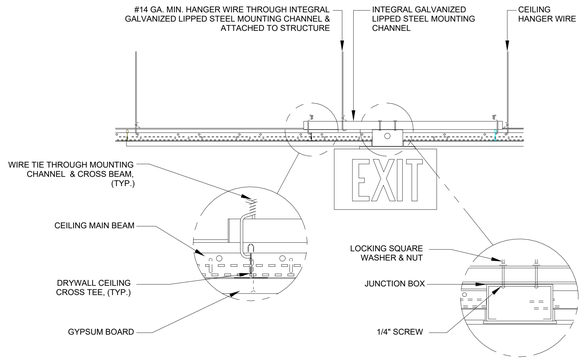
GENERAL NOTE:

1. INDEPENDENT SUPPORT WIRES MUST BE MARKED (PAINTED) SO THAT THEY CAN BE DISTINGUISHABLE AS NON CEILING SUPPORT WIRES PER NEC.
2. INDEPENDENT SUPPORT WIRES SHALL NOT HAVE AN ANGLE OF MORE THAN 45° FROM THE CEILING GRID.



3 DOWNLIGHT MOUNTING - LAY-IN CEILING

DIAGRAMMATIC

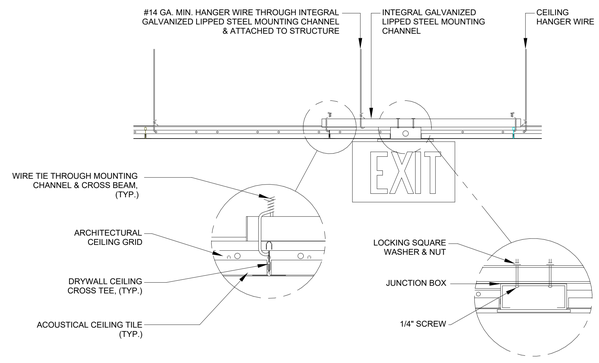


4 EXIT SIGN MOUNTING - GYPBOARD CEILING

DIAGRAMMATIC

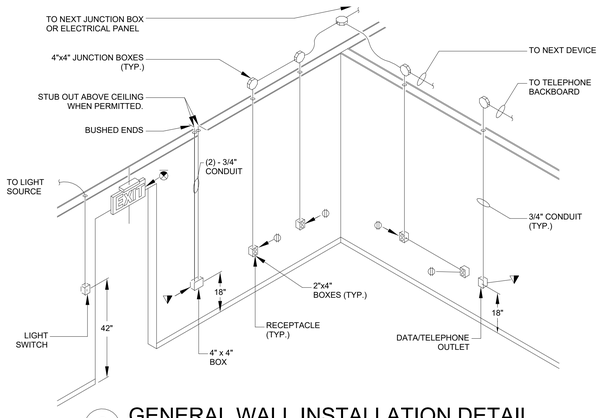
NOTE:

1. WHERE GYPBOARD INSTALLED HARD ON STRUCTURE (NOT SUSPENDED) ADJUST DETAIL ACCORDINGLY.



5 EXIT SIGN MOUNTING - LAY-IN CEILING

DIAGRAMMATIC



6 GENERAL WALL INSTALLATION DETAIL

DIAGRAMMATIC

NOTES:

1. 1. EXIT SIGN SHALL BE CEILING MOUNTED (E-203/4) ON CENTERLINE OF DOOR REGARDLESS OF CEILING GRID.

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CHECKED BY: JEA

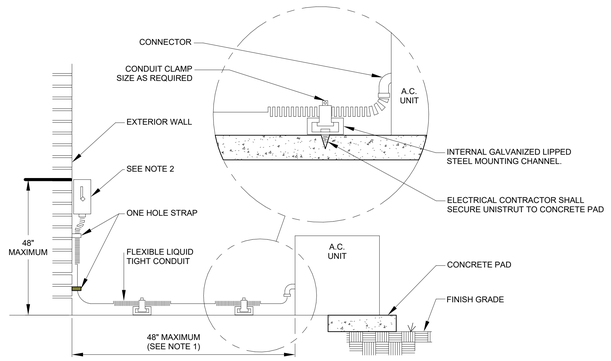
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ELECTRICAL DETAILS

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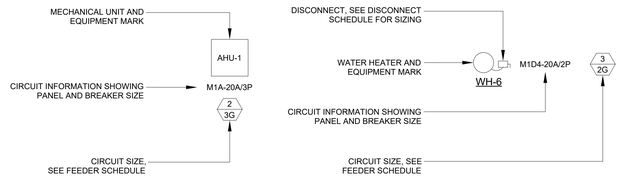


1 TYP. MECH. UNIT CONNECTION DETAIL

DIAGRAMMATIC

NOTES:

1. FOR DISTANCES GREATER THAN 48", CONDUIT TO BE ROUTED BELOW GRADE TO WITHIN 6" OF MECHANICAL UNIT, STUB-UP WITH RIGID ELBOW THRU CONCRETE PAD. PROVIDE FLEXIBLE CONNECTION FROM ELBOW TO MECHANICAL UNIT, WITH CONNECTION MADE AT UNIT AS SHOWN ABOVE.
2. DISCONNECT SWITCH OR PANEL AS SHOWN ON DRAWINGS.



TYPICAL MECHANICAL UNIT

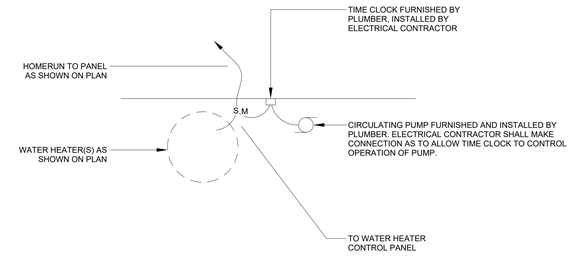
TYPICAL WATER HEATER UNIT

2 MECHANICAL EQUIPMENT DETAIL

DIAGRAMMATIC

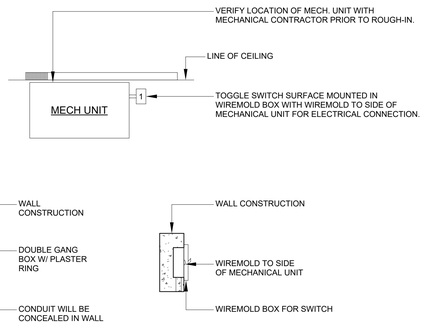
NOTES:

1. THIS DETAIL IS TYPICAL FOR ALL MECHANICAL/PLUMBING EQUIPMENT INCLUDING BUT NOT LIMITED TO AIR HANDLERS, MINI SPLITS, ROOF TOP UNITS, WATER HEATERS, ETC.
2. IF NO DISCONNECT IS SHOWN, UNIT IS FURNISHED WITH INTEGRAL DISCONNECT FROM MANUFACTURER OR IS IN SIGHT OF ELECTRICAL PANEL. MAKE ELECTRICAL CONNECTIONS PER MANUFACTURER'S REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL VERIFY UNITS HAVE INTEGRAL DISCONNECT WITH MECHANICAL CONTRACTOR.
3. DISCONNECT SWITCH SHALL BE LOCATED AS REQUIRED TO HAVE PROPER CLEARANCE AS PER NEC.



3 WATER HEATER CONNECTION DETAIL

DIAGRAMMATIC

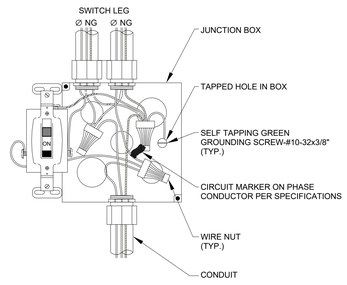


4 MINI-SPLIT CONNECTION DETAIL

DIAGRAMMATIC

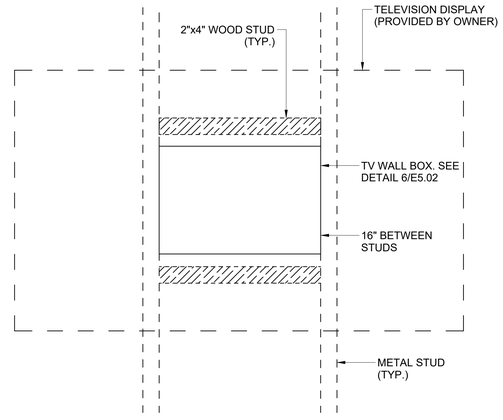
NOTES:

1. CONNECTION TO OUTDOOR AS REQUIRED BY MANUFACTURER WILL BE ROUTED SO THAT IT IS CONCEALED.



5 TYPICAL SWITCH WIRING DETAIL

DIAGRAMMATIC

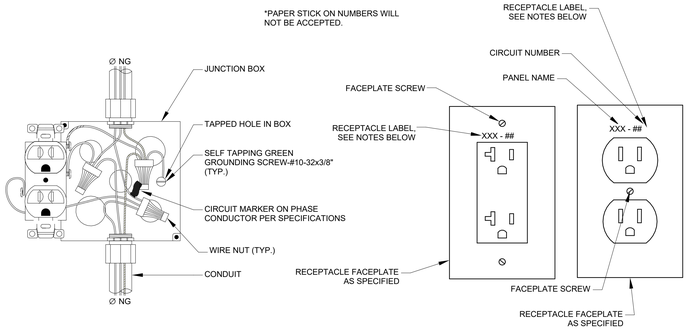


6 WALL POCKET BLOCKING DETAIL (TYP.)

DIAGRAMMATIC

NOTES:

1. SEE ARCHITECT'S INTERIOR ELEVATION DRAWING FOR MOUNTING HEIGHT OF TV. BLOCKING AND WALL POCKET TO BE CENTERED BEHIND TV.
2. ELECTRICAL CONTRACTOR TO PROVIDE BLOCKING, TV WALL POCKET, RECEPTACLE(S), DATA BOX(ES), AV BOX(ES) AT ALL TV LOCATIONS EVEN IF TV IS NOT IN THIS CONTRACT.



7 TYPICAL RECEPTACLE AND FACEPLATE DETAIL

DIAGRAMMATIC

NOTES:

1. GREEN GROUND CONDUCTOR SHALL BE CONTINUOUS SO THAT REMOVAL OF DEVICE WILL NOT INTERFERE WITH GROUND CONTINUITY.
2. PROVIDE A SEPARATE NEUTRAL FOR EACH CIRCUIT.
3. RECEPTACLE FACEPLATES SHALL BE LABELED WITH THE PANEL NAME AND CIRCUIT NUMBER IT IS FED FROM.
4. LETTERING SHALL BE A MINIMUM OF 3/16" HIGH.
5. STAINLESS STEEL FACEPLATE
   LETTER (FILL) COLOR:
   NORMAL = WHITE.
   EMERGENCY = RED.
   STAINLESS STEEL FACEPLATE LABELS SHALL BE ENGRAVED
6. PLASTIC FACEPLATE
   LETTER FILL COLOR:
   NORMAL = BLACK
   EMERGENCY = RED
   PLASTIC FACEPLATE LABELS SHALL BE LASER-PRINTED ON CLEAR SELF ADHESIVE VINYL.

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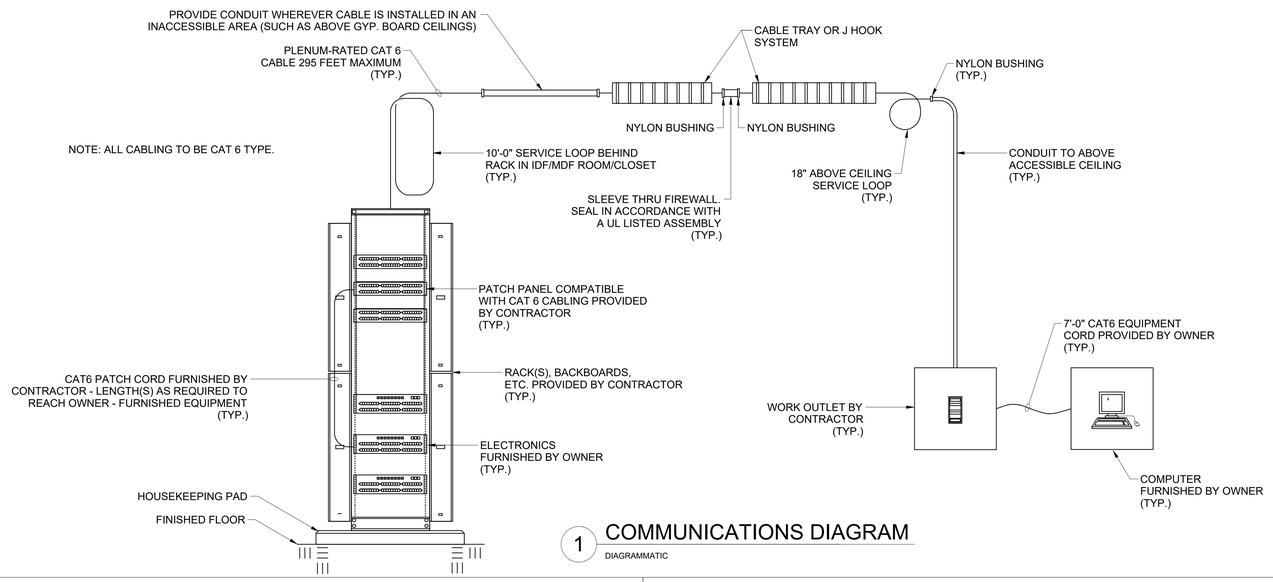
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ELECTRICAL DETAILS

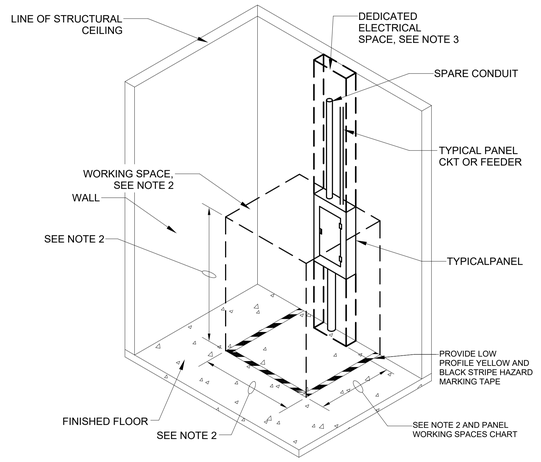
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1 COMMUNICATIONS DIAGRAM

DIAGRAMMATIC



2 ELECTRICAL PANEL WORKING CLEARANCES

DIAGRAMMATIC

NOTES:

1. DIMENSIONS SHOWN ARE MINIMUM.
2. WORKING SPACE IS DEFINED AS THE SPACE IN FRONT OF THE PANEL FOR EXAMINATION, ADJUSTMENTS, SERVICING AND/OR MAINTENANCE WHILE ENERGIZED. IN ALL CASES WORK SPACE SHALL PERMIT AT LEAST A 90 DEG. OPENING OF EQUIPMENT DOORS OR HINGED PANELS.
   - WIDTH: 30" OR WIDTH OF EQUIPMENT (WHICHEVER IS GRATER).
   - HEIGHT: 6'-6" FROM FLOOR OR HEIGHT OF EQUIPMENT (WHICHEVER IS GRATER).
   - DEPTH: DEPENDS ON CONDITIONS OUTLINED IN PANEL WORKING SPACE CHART.
3. DEDICATED ELECTRICAL SPACE IS DEFINED AS THE SPACE EQUAL TO THE WIDTH AND DEPTH OF THE EQUIPMENT, EXTENDING FROM FLOOR TO A HEIGHT OF 6'-0" ABOVE THE EQUIPMENT OR TO THE STRUCTURAL CEILING. (WHICHEVER IS LOWER).

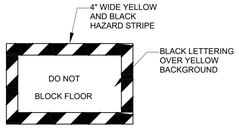
PANEL WORKING SPACES

NOMINAL VOLTAGE TO GROUND	MINIMUM CLEAR DISTANCE		
	CONDITION 1	CONDITION 2	CONDITION 3
0-150	3'-0"	3'-0"	3'-0"
151-600	3'-0"	3'-6"	4'-0"

NOTE:
WHERE THE CONDITIONS ARE AS FOLLOWS:

- CONDITION 1 - EXPOSED LIVE PARTS ON ONE SIDE OF THE WORKING SPACE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE THAT ARE EFFECTIVELY GUARDED BY INSULATING MATERIALS.
- CONDITION 2 - EXPOSED LIVE PARTS ON ONE SIDE OF THE WORKING SPACE AND GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE. CONCRETE, BRICK, OR TILE WALLS SHALL BE CONSIDERED AS GROUNDED.

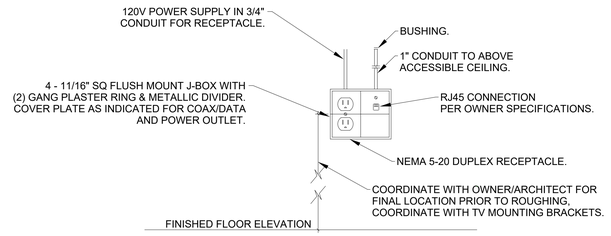
CONDITION 3 - EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE.



3 ELECTRICAL EQUIPMENT CLEARANCE MARKING

DIAGRAMMATIC

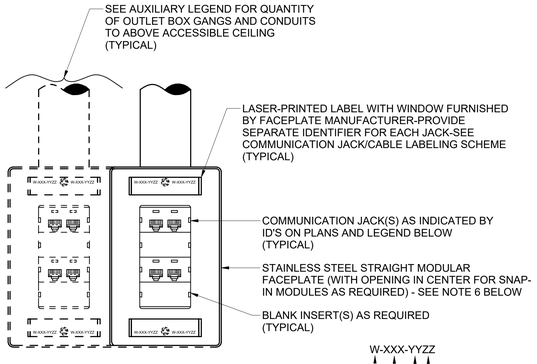
NOTES:
1.THIS DETAIL IS TYPICAL FOR ALL ELECTRICAL PANELS.



4 RECESSED TV BOX OUTLET

DIAGRAMMATIC

NOTES:
1. THE COMBINATION OUTLET SHALL BE LOCATED HORIZONTALLY WITHIN 12" OF THE CENTER LINE OF THE TELEVISION BRACKET. FIELD COORDINATE THE EXACT LOCATION WITH THE GENERAL CONTRACTOR.



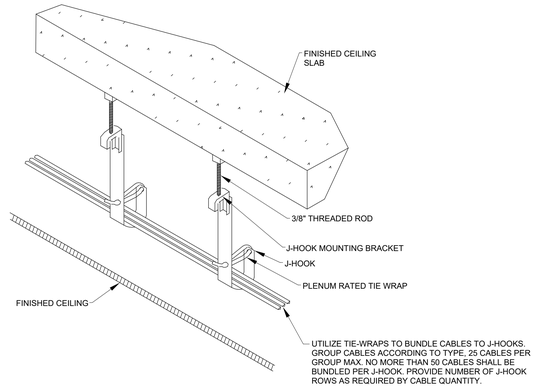
COMMUNICATION JACK/CABLE LABELING SCHEME

5 DIAGRAM "E-SC" STRUCTURED CABLING TYPICAL WIRING DIAGRAM

DIAGRAMMATIC

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	
1H	ONE (1) HDMI JACK	ONE(1) HDMI CABLE ACTIVE REQUIRED IN > 35 FEET	AV BOX	
*V	RJ45 VOICE JACK(S)	CAT6 VOICE CABLE(S)	NEAREST TELEPHONE PATCH PANEL/BACKBOARD	
1VW	ONE (1) RJ45 VOICE JACK	ONE(1) CAT6 VOICE CABLE	NEAREST TELEPHONE PATCH PANEL/BACKBOARD	SEE NOTE 6 BELOW

NOTES:
1. THE ASTERISK "*" WITHIN THE JACK ID SECTION ABOVE REPRESENT THE QUANTITIES OF EACH JACK/CABLE TYPE. FOR EXAMPLE, "3D" REPRESENTS THREE (3) DATA JACKS/CABLES.
2. THE JACK IDENTIFIERS SHOWN ABOVE MAY BE COMBINED TOGETHER ON PLANS. FOR EXAMPLE, THE IDENTIFIER "1V2D1C" REPRESENTS ONE (1) VOICE JACK/CABLE, TWO (2) DATA JACKS/CABLES AND ONE (1) COAXIAL TV JACK/ CABLE. AS ANOTHER EXAMPLE, THE IDENTIFIER "1D1P" REPRESENTS ONE (1) DATA JACK/CABLE, ONE (1) VGA JACK/CABLE, ONE (1) S-VIDEO JACK/CABLE AND ONE(1) YELLOW RCA JACK/CABLE. OUTLETS MAY CONSIST OF ANY COMBINATION OF THE ABOVE JACK TYPES.
3. ALL LOW VOLTAGE CABLING SHALL BE PLENUM-RATED.
4. THE QUANTITY OF OUTLET BOX GANGS AND CONDUITS FOR EACH COMMUNICATION OUTLET ASSEMBLY SHALL BE AS FOLLOWS:
   1-4 JACKS: ONE GANG WITH ONE 1" CONDUIT TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE AREAS).
   5-8 JACKS: TWO GANGS WITH TWO 1" CONDUITS TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE AREAS).
   9-12 JACKS: THREE GANGS WITH THREE 1" CONDUITS TO ABOVE ACCESSIBLE CEILING SPACE (AND IN OTHER INACCESSIBLE AREAS). FOR PURPOSES OF SIZING CONDUITS, HDMI JACK SHALL COUNT AS 4 JACKS.
5. PROVIDE A NYLON BUSHING ON EACH END OF EACH CONDUIT (SPECIFIED WITHIN NOTE 4 ABOVE) TO PROTECT CABLES.
6. TYPE "1VW" OUTLETS SHALL BE FURNISHED WITH STAINLESS STEEL WALL-MOUNT TELEPHONE PLATES WITH MOUNTING STUDS AND RECESSED JACKS AND SHALL BE MOUNTED AT 60" A.F.F. UNLESS NOTED OTHERWISE.
7. COMMUNICATION OUTLET SHALL BE LOCATED A MAXIMUM OF 8 INCHES FROM THE ADJACENT POWER OUTLET.



6 J-HOOK CABLE MANAGEMENT DETAIL (CEILING SLAB MOUNT)

DIAGRAMMATIC

GMC
Goodwyn Mills Cawood, LLC
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ISSUE | DATE
ISSUE FOR BID | 09.16.2026

DESIGNED BY: JZ, TDS
DRAWN BY: JRA
CHECKED BY: JEA

FALKVILLE SENIOR CENTER
MORGAN COUNTY COMMISSION / 262 E PIKE RD, FALKVILLE, AL 35622

GMC # AHUN240006

STATE OF GEORGIA — No. 28497 — PROFESSIONAL — 09.16.2026 — JOHN A. VERRETT

ELECTRICAL DETAILS

E5.05

9/17/2026 11:50:57 AM

EXIST PANELBOARD A SCHEDULE

LOCATION CORRIDOR 116 — MAIN: 400 A MCB
VOLTAGE 120/240 — SYSTEM: 1Ø, 3 WIRE
TRIM SURFACE — INTERRUPTING RATING: 10k AIC

CKT #	LOAD DESCRIPTION	BREAKER P	BREAKER TRIP	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) A	PHASE (kVA) B	BREAKER TRIP	BREAKER P	LOAD DESCRIPTION	CKT #
1	***FCU-1***	***2***	***15***	***0.84***		***1.50***		***20G***	***1***	***FREEZER***	2
3					***0.84***		***1.50***	***20G***	***1***	***REFRIGERATOR***	4
5	***HP-1***	***2***	***50***	***3.96***		***1.50***		***20G***	***1***	***ICE MACHINE***	6
7					***3.96***			20	1	SPARE	8
9	***FCU-2***	***2***	***15***	***0.84***				20	1	SPARE	10
11					***0.84***			30	2	SPARE	12
13	***HP-2***	***2***	***50***	***3.96***							14
15					***3.96***		***1.20***	20	1	***KITCHEN RECEPTACLES***	16
17	***FCU-3***	***2***	***15***	***0.84***		***1.20***		20	1	***KITCHEN RECEPTACLES***	18
19					***0.84***		***1.20***	20	1	***KITCHEN RECEPTACLES***	20
21	***HP-3***	***2***	***50***	***3.96***		***1.20***		20	1	***KITCHEN RECEPTACLES***	22
23					***3.96***		***1.20***	20	1	***KITCHEN RECEPTACLES***	24
25	***FCU-4***	***2***	***15***	***0.84***		***1.20***		20	1	***KITCHEN RECEPTACLES***	26
27					***0.84***		***1.20***	20	1	***RM 103 COUNTERTOP RECEPTS***	28
29	***HP-4***	***2***	***50***	***3.96***		***1.20***		20	1	***RM 103 COUNTERTOP RECEPTS***	30
31					***3.96***		***1.20***	20	1	***RM 103 COUNTERTOP RECEPTS***	32
33	SPARE	2	30			***0.80***		20	1	***KITCHEN 114/PANTRY 115 RECEPT***	34
35							***0.80***	20	1	***ELECTRICAL 116 RECEPTACLES***	36
37	AVAILABLE BUSSED SPACE					***0.50***		20	1	***DOOR ACCESS CONTROLLER***	38
39	***WH-1***	***2***	***35***		***3.00***			20	1	SPARE	40
41				***3.00***						AVAILABLE BUSSED SPACE	42

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD (VA)
MECHANICAL - LARGEST MOTOR	7920	125.00%	9900
MECHANICAL	27128	80.00%	21702
WATER HEATER	6000	100.00%	6000
RECEPTACLE FIRST 10KVA	10000	100.00%	10000
RECEPTACLE	10752	50.00%	5376

PANEL TOTALS	
CONNECTED LOAD (VA)	61,800
DEMAND LOAD (VA)	52,978
CONNECTED CURRENT	257.50
DEMAND CURRENT	220.7
25% SPARE CAPACITY	55.2
TOTAL DEMAND + SPARE	275.9
NEC ARTICLE 220	

NOTES:
BOLD, *ITALIC* TEXT INDICATES NEW WORK.
G - INDICATES GFCI RATED TYPE CIRCUIT BREAKER.

NEW PANELBOARD B SCHEDULE

LOCATION ELECTRICAL 116 — MAIN: 200A MLO
VOLTAGE 120/240 — SYSTEM: 1Ø, 3 WIRE
TRIM SURFACE — INTERRUPTING RATING: 10k AIC

CKT #	LOAD DESCRIPTION	BREAKER P	BREAKER TRIP	PHASE (KW) A	PHASE (KW) B	PHASE (KW) A	PHASE (KW) B	BREAKER TRIP	BREAKER P	LOAD DESCRIPTION	CKT #
1	TBB QUAD RECEPTACLE	1	20	0.80		1.20		20	1	RECEPTACLES	2
3	TBB QUAD RECEPTACLE	1	20		0.80		1.00	20	1	RECEPTACLES	4
5	TBB QUAD RECEPTACLE	1	20	0.80		0.80		20	1	RECEPTACLES	6
7	TBB QUAD RECEPTACLE	1	20		0.80			20	1	SPARE	8
9	TBB QUAD RECEPTACLE	1	20	0.80		1.20		20	1	SENIOR CNTR RECEPTS	10
11	BREAKOUT RM RECEPTS	1	20		0.80		0.80	20	1	SENIOR CNTR RECEPTS	12
13	BREAKOUT RM RECEPTS	1	20	1.00		1.00		20	1	SENIOR CNTR RECEPTS	14
15	BREAKOUT RM RECEPTS	1	20		1.00		1.00	20	1	SENIOR CNTR RECEPTS	16
17	ACTIVITY RM RECEPTS	1	20	1.00		1.00		20	1	SENIOR CNTR RECEPTS	18
19	ACTIVITY RM RECEPTS	1	20		1.00		1.00	20	1	RECEPTACLES	20
21	ACTIVITY RM RECEPTS	1	20	0.80		0.80		20	1	RECEPTACLES	22
23	COMMUNITY RM RECEPTS	1	20		1.20		1.20	20G	1	WASHER	24
25	COMMUNITY RM RECEPTS	1	20	1.20		3.84		40	2	DRYER	26
27	COMMUNITY RM RECEPTS	1	20		1.00		3.84				28
29	FACP	1	20C	0.50		1.40		20G	1	EWC	30
31	SPARE	1	20				1.40	20G	1	EWC	32
33	SPARE	1	20			0.80		20	1	OFFICE RECEPTACLES	34
35	SPARE	1	20				0.80	20	1	OFFICE RECEPTACLES	36
37	SPARE	1	20			1.00		20	1	KIOSK RECEPTACLES	38
39	SPARE	1	20				1.00	20	1	KIOSK RECEPTACLES	40
41	SPARE	1	20					20	1	SPARE	42

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD (VA)
WASHER,DRYER	8880	100.00%	8880
RECEPTACLE FIRST 10KVA	10000	100.00%	10000
RECEPTACLE	16900	50.00%	8450
EWC	2800	100.00%	2800

PANEL TOTALS	
CONNECTED LOAD (VA)	38,580
DEMAND LOAD (VA)	30,130
CONNECTED CURRENT	160.75
DEMAND CURRENT	125.5
25% SPARE CAPACITY	31.4
TOTAL DEMAND + SPARE	156.9
NEC ARTICLE 220	

NOTES:
C - INDICATES LOCK-ON RED CLIP ON BREAKER.
G- INDICATES GFCI RATED TYPE CIRCUIT BREAKER.

NEW PANELBOARD C SCHEDULE

LOCATION ELECTRICAL 116 — MAIN: 100 A MLO
VOLTAGE 120/240 — SYSTEM: 1Ø, 3 WIRE
TRIM SURFACE — INTERRUPTING RATING: 10k AIC

CKT #	LOAD DESCRIPTION	BREAKER P	BREAKER TRIP	PHASE (KW) A	PHASE (KW) B	PHASE (KW) A	PHASE (KW) B	BREAKER TRIP	BREAKER P	LOAD DESCRIPTION	CKT #
1	LIGHTING	1	20	0.64		0.60		20	1	LIGHTING	2
3	LIGHTING	1	20		0.64		0.80	20	1	LIGHTING	4
5	LIGHTING	1	20	0.40		0.45		20	1	LIGHTING	6
7	LIGHTING	1	20		0.50		0.80	20	1	LIGHTING	8
9	LIGHTING	1	20	0.60		0.60		20	1	LIGHTING	10
11	LIGHTING	1	20		0.40		1.20	20	1	EXTERIOR FLOOD LIGHTS	12
13	LIGHTING	1	20	0.50				20	1	SPARE	14
15	LIGHTING	1	20		0.60		0.60	20	1	LIGHTING	16
17	LIGHTING	1	20	0.60		0.90		20	1	LIGHTING	18
19	LIGHTING	1	20		0.80			20	1	SPARE	20
21	LIGHTING	1	20	0.80				20	1	SPARE	22
23	SPARE	1	20					20	1	SPARE	24
25	SPARE	1	20					20	1	SPARE	26
27	SPARE	1	20					20	1	SPARE	28
29	LIGHTING CONTROL PNL 'C'	1	20	0.50				20	1	SPARE	30

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD (VA)
LIGHTING	12930	100.00%	12930

PANEL TOTALS	
CONNECTED LOAD (VA)	12,930
DEMAND LOAD (VA)	12,930
CONNECTED CURRENT	53.88
DEMAND CURRENT	53.9
25% SPARE CAPACITY	13.5
TOTAL DEMAND + SPARE	67.3
NEC ARTICLE 220	

LUMINAIRE SCHEDULE

FIXTURE MARK	LAMPS NO	LAMPS WATTS	LAMPS TYPE	LAMPS LUMENS	VOLTAGE	MOUNTING TYPE	MAKE	MODEL	DESCRIPTION
A	1	30	LED/835	3100	UNV	RC	HE WILLIAMS	PT-22-L43/835-RA-(4)EQ CLIPS-DIM-UNV	2X2
B	1	40	LED/835	4300	UNV	RC	HE WILLIAMS	BP-22-LS/8CS-DIM-UNV	2X2
BE	1	40	LED/835	4300	UNV	RC	HE WILLIAMS	BP-22-LS/8CS-DIM-UNV-EM	2X2 WITH EMERGENCY BATTERY
C	1	30	LED/835	3100	UNV	RC	HE WILLIAMS	BP-24-LS/8CS-DIM-UNV	2X4
D	1	20	LED/835	2000	UNV	RC	HE WILLIAMS	6DR-TL-L20/835-DIM-UNV-FM-OF-WH-N-F1	DOWNLIGHT
DE	1	20	LED/835	2000	UNV	RC	HE WILLIAMS	6DR-TL-L20/835-EM/10W-DIM-UNV-FM-OF-WH-N-F1	DOWNLIGHT WITH EMERGENCY BATTERY
E	1	10	LED/835	1000	UNV	RC	HE WILLIAMS	4DR-TL-L20/835-DIM-UNV-FM-OF-WH-N-F1	DOWNLIGHT
EM	1	10	W/UNIT	1000	UNV	BW	BEGHELLI USA	EPE-AT	INTERIOR EMERGENCY
EMX	1	10	W/UNIT	1000	UNV	BW	BEGHELLI USA	MEZLED-SA-DBZ	EXTERIOR EMERGENCY
F	1	400/ft	LED/835	5600	UNV	RC	HE WILLIAMS	LRX3F-4-L4/835-S-DMA-DIM-UNV	RECESSED SLOT FIXTURE IN RESTROOM. FINISH TO BE SELECTED BY ARCHITECT
F1	1	400/ft	LED/835	1600	UNV	RC	HE WILLIAMS	LRX3F-4-L4/835-S-DMA-DIM-UNV	RECESSED - CORRIDOR. FINISH TO BE SELECTED BY ARCHITECT
F1E	1	400/ft	LED/835	1600	UNV	RC	HE WILLIAMS	LRX3F-4-L4/835-S-DMA-EM/10W-DIM-UNV	RECESSED WITH EMERGENCY BATTERY - CORRIDOR. FINISH TO BE SELECTED BY ARCHITECT
F2	1	800/ft	LED/835	19200	UNV	S	HE WILLIAMS	MX4UDC-XX-L8/835U/L8/835D-S-FW/F-AC/D48-(L4U/L4D)-DIMU/DIMD-UNV	DIRECT / INDIRECT SUSPENDED. FINISH TO BE SELECTED BY ARCHITECT
F3	1	800/ft	LED/835	12800	UNV	S	HE WILLIAMS	MX4UDC-XX-L8/835U/L8/835D-S-FW/F-AC/D48-(L4U/L4D)-DIMU/DIMD-UNV	DIRECT / INDIRECT SUSPENDED. FINISH TO BE SELECTED BY ARCHITECT
F4	1	800/ft	LED/835	32000	UNV	S	HE WILLIAMS	MX4UDC-XX-L8/835U/L8/835D-S-FW/F-AC/D48-(L4U/L4D)-DIMU/DIMD-UNV	DIRECT / INDIRECT SUSPENDED. FINISH TO BE SELECTED BY ARCHITECT
F5	1	800/ft	LED/835	12800	UNV	S	HE WILLIAMS	MX4UDC-XX-L8/835U/L8/835D-S-FW/F-AC/D48-(L4U/L4D)-DIMU/DIMD-UNV	DIRECT / INDIRECT SUSPENDED. FINISH TO BE SELECTED BY ARCHITECT
F6	1	800/ft	LED/835	3200	UNV	S	HE WILLIAMS	MX4UDC-XX-L8/835U/L8/835D-S-FW/F-AC/D48-(L4U/L4D)-DIMU/DIMD-UNV	DIRECT / INDIRECT SUSPENDED. FINISH TO BE SELECTED BY ARCHITECT
G	1	30	LED/835	3100	UNV	SC	HE WILLIAMS	75R-4-L30/835-DIM-UNV	4' FT STRIP
GE	1	30	LED/835	3100	UNV	SC	HE WILLIAMS	75R-4-L30/835-EM10/WLP-DIM	4' FT STRIP WITH EMERGENCY BATTERY
H	1	40	LED/835	4200	UNV	SC	HE WILLIAMS	AVX-4-L42-835-CPC-DIM-UNV	1X4 SURFACE MOUNTED
J	1	20	LED/835	2000	UNV	RC	HE WILLIAMS	4DR-TL-L20/835-DIM-UNV-FM-OF-WH-N-F1	EXTERIOR DOWNLIGHT, WET LOCATION LISTED
JE	1	20	LED/835	2000	UNV	RC	HE WILLIAMS	4DR-TL-L20/835-EM/10W-DIM-UNV-FM-OF-WH-N-F1	EXTERIOR DOWNLIGHT, WET LOCATION LISTED WITH EMERGENCY BATTERY
K	1	50	LED/835	5000	UNV	S	FINELITE	HP2C-P-D-4-S-835-F-96LG-277-SC-FC-10%-FA50-CBA	48" DIAMETER DIRECT / INDIRECT SUSPENDED. FINISH TO BE SELECTED BY ARCHITECT
WA	1	20	LED/740	3000	UNV	BW	HE WILLIAMS	VWPV-L30/740-TFT-DBZ-SDGL-DIM-UNV	EXTERIOR WALL PACK
WB	1	20	LED/740	3000	UNV	BW	HE WILLIAMS	VWPV-L30/740-TFT-DBZ-SDGL-EM/10WC-DIM-UNV	EXTERIOR WALL PACK WITH EMERGENCY BATTERY
WS	1	26	LED/840	2900	UNV	BW	VISA LIGHTING	OW1342-L40K(H)-MVOLT-CBA	EXTERIOR WALL BRACKET. FINISH TO BE SELECTED BY ARCHITECT
X	1	10	W/UNIT	1000	UNV	UNV	BEGHELLI USA	OL2-PLUS-SA-LG-1-C-CR-AT	EMERGENCY EXIT LIGHT
FLA	2	45	LED	9000	UNV	POLE	HE WILLIAMS	VF2-L88-7-40-VFSR-DBZ-UNV-VF2TA/TMVT-D180/T3 10' RND/DBZ.	TWO LED VERTICAL FLOOD LIGHTS MTD @ 180 DEGREES FINISH ON ALL DARK BRONZE

MOUNTING LEGEND

AG - AT GRADE	RW - RECESSED WALL
BAM - BRACKET ABOVE	S - SUSPENDED
BW - BRACKET WALL	SC - SURFACE CEILING
P - POLE MOUNTED	SW - SURFACE WALL
PT - POST TOP	UNV - UNIVERSAL
RC - RECESSED CEILING	

LUMINAIRE SCHEDULE NOTES:

1. EQUIVALENT PRODUCTS WILL BE REVIEWED PROVIDED THE REQUIREMENTS FOR PRIOR APPROVAL OUTLINED IN THE SPECIFICATIONS ARE MET AND MUST MEET OR EXCEED QUALITY, FUNCTIONALITY, SHAPE, LUMEN OUTPUT, ETC OF PRODUCT LISTED BY CATALOG NUMBER.
2. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL FIXTURE MOUNTING PROVISIONS WITH THE ASSOCIATED CEILING TYPE(S) BEFORE ORDERING FIXTURES.
3. IN ORDER TO ENSURE PROPER COORDINATION AND LONG TERM SUPPORT FOR THE OWNER, ALL LIGHTING FIXTURES WILL BE PURCHASED THROUGH A MANUFACTURER'S REPRESENTATIVE AND DISTRIBUTORS LOCATED WITHIN ONE HUNDRED AND FIFTY (150)MILES OF THE PROJECT SITE. SUBMITTALS RECEIVED THAT DO NOT COMPLY WITH THIS REQUIREMENT WILL BE REJECTED WITHOUT REVIEW. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DELAYS CAUSED BY NON-COMPLIANCE WITH THIS REQUIREMENT.
4. ALL EMERGENCY AND EXIT LIGHTS WILL BE CONNECTED TO UNSWITCHED HOT LEG SO THAT BATTERY OPERATES UPON POWER FAILURE.
5. SOME LISTED CATALOG NUMBERS MAY INCLUDE MODIFICATIONS OF A MANUFACTURER'S STANDARD PRODUCT.
6. ANY AND ALL DIMENSIONAL DIFFERENCES MUST BE COORDINATED PRIOR TO RELEASE OF ORDER.
7. CBA = COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLORS.

LIGHTING FIXTURE SCHEDULE NOTES

1. MANUFACTURERS AND MODEL NUMBERS INDICATE TYPE AND QUALITY OF FIXTURE TO BE PROVIDED.

   ANY REQUEST FOR SUBSTITUTION MUST BE MADE TEN DAYS PRIOR TO BID. ALL REQUESTS MUST INCLUDE PHOTOMETRICS, AND ONLY THOSE ISSUED THROUGH AN OFFICIAL AMENDMENT WILL BE ALLOWED TO BID. ALL FIXTURE SHALL INCLUDE DRIVE/BALLAST IN-LINE FUSES.
2. COORDINATE ALL COLORS AND FINISHES OF LIGHTING FIXTURES AND DEVICES WITH ARCHITECT/INTERIORS BEFORE ORDERING.
3. SUPPORT LAY-IN FIXTURES INDEPENDENT OF THE GRID. PROVIDE WITH SPRING STEEL CLIPS AND CLIP TO GRID.
4. ALL LIGHTING FIXTURES WITH THE LETTER 'E' SUFFIX AND EXIT SIGNS SHALL HAVE BATTERY POWER.
5. PROVIDE ALL NECESSARY ACCESSORIES, CONNECTORS, HANGERS, END CAPS, ETC FOR A COMPLETE OPERABLE INSTALLATION.
6. COORDINATE FINAL QUANTITIES FOR LONG CONTINUOUS LINEAR LIGHT FIXTURE RUNS WITH ARCHITECTURAL DRAWINGS. PROVIDE FIXTURES IN MOST EFFICIENT SIZES/LENGTH TO COVER TOTAL LENGTH. PROVIDE ALL REQUIRED MOUNTING BRACKETS, POWER SUPPLIES, POWER LEAD AND JUMPER CABLES. COORDINATE REMOTE DRIVER LOCATIONS AND POWER ENTRY LOCATIONS WITH THE PLANNED POWER ROUTING PATH.

LIGHTING CONTROL NOTES

1. THE A CENTRALIZED LOW-VOLTAGE DIGITAL LIGHTING CONTROL SYSTEM WILL BE PROVIDED FOR ALL AREAS WITHIN THE BUILDING, AS WELL AS CONTROL THE EXTERIOR LIGHTING.
   BASIS OF DESIGN: WATTSTOPPER, ETC
2. THE HEAD-END EQUIPMENT OF THE CENTRALIZED CONTROL SYSTEM TO INCLUDE PHOTOCELL, ASTRONOMICAL TIME CLOCK, AND INPUT AUXILIARY CONTACTS FOR SECURITY, FIRE ALARM AND BMS CONNECTION.
3. SECURITY AND FIRE ALARM SIGNAL TO ACTIVATE LIGHT FIXTURES AT 100% UPON EMERGENCY SIGNAL.
4. PROVIDE UL924 LISTED EMERGENCY BYPASS RELAYS FOR AREAS WITH BOTH NORMAL AND LIFE-SAFETY LIGHTING THAT ARE CONTROLLED TOGETHER. UL924 DEVICE TO OVERRIDE LIFE-SAFETY LIGHTING CONTROLS AND OPERATE FIXTURES AT 100% OUTPUT UPON LOSS OF POWER. MANUFACTURER: ACUITY - nPP16 (D) ER, WATTSTOPPER - ELCU OR LVS - EPC-2-D,
5. PROVIDE DUAL TECHNOLOGY OCCUPANCY SENSORS SUITED TO THE SIZE, SHAPE, AND NATURE OF THE SPACE, TO MAINTAIN LIGHTING AT ALL TIMES THE ROOM IS OCCUPIED. SENSORS MAY BE CEILING-MOUNTED, OR WALL-MOUNTED, OR BOTH. OCCUPANCY SENSORS TO AUTOMATICALLY TURN ON LIGHTING TO MAX. 50% IN THE FOLLOWING SPACES: CONFERENCE/MEETING RMS., LOUNGES/BREAK RMS., COPY, STORAGE. TIME DELAY TO SWITCH LIGHTING OFF FOR AN UNOCCUPIED SPACE SHALL BE FIELD ADJUSTABLE (1-15 MINUTES).
6. WHERE THERE IS MORE THAN ONE LIGHTING GROUP SERVING A SPACE, PROVIDE SEPARATE CONTROLS GROUPED IN THE SAME WALL BOX. EACH GROUP SHALL BE CONTROLLED SEPARATELY.
7. PROPOSED CONTROL ARRANGEMENT SHALL BE DRAWN AND SUBMITTED FOR REVIEW AND APPROVAL. ROUGH IN SHALL BE PERFORMED ONLY FROM APPROVED SHOP DRAWINGS.
8. ALL LIGHT FIXTURES WITH EMERGENCY BATTERY BACK-UP SHALL BE SWITCHED WITH NORMAL POWER LIGHTING IN THAT SPACE.

- INTERIOR ZONES.
  -LIGHTING RELAY PANEL TO CONTROL: CORRIDORS, EXTERIOR.
  -COORDINATE TIMECLOCK SCHEDULES WITH OWNER. PROVIDE OVERRIDE SWITCHES FOR AFTER HOURS OPERATION
  -OCCUPANCY SENSORS WILL CONTROL LIGHTING IN OFFICES, DINING, STORAGE, TOILETS, LOCKERS, COACH AREAS
  -DIMMING FOR ALL OFFICES, COMMON AREAS

NEW PANELBOARD MDP SCHEDULE

LOCATION ELECTRICAL 116 — MAIN: 600 A MCB — SERVICE ENTRANCE RATED
VOLTAGE 120/240 — SYSTEM: 1Ø, 3 WIRE
TRIM SURFACE — INTERRUPTING RATING: 22k AIC

CKT #	LOAD DESCRIPTION	BREAKER P	BREAKER TRIP	PHASE (KW) A	PHASE (KW) B	PHASE (KW) A	PHASE (KW) B	BREAKER TRIP	BREAKER P	LOAD DESCRIPTION	CKT #
1	EXIST PANEL A	2	400	31.30		19.94		200	2	NEW PANEL B	2
3					30.50		18.64				4
5	NEW PANEL C	2	100	6.59						AVAILABLE BUSSED SPACE	6
7					6.34						8
9	AVAILABLE BUSSED SPACE									AVAILABLE BUSSED SPACE	10
11											12
13	AVAILABLE BUSSED SPACE									AVAILABLE BUSSED SPACE	14
15											16

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD (VA)
PANEL A	61800	100.00%	61800
PANEL B	38580	100.00%	38580
PANEL C	12930	100.00%	12930

PANEL TOTALS	
CONNECTED LOAD (VA)	113,310
DEMAND LOAD (VA)	113,310
CONNECTED CURRENT	472.13
DEMAND CURRENT	472.1
25% SPARE CAPACITY	118.0
TOTAL DEMAND + SPARE	590.2
NEC ARTICLE 220	

RELAY PANEL CONTROL SCHEDULE ~ PANEL 'C'

ROOM: CORRIDOR 116 — CONTROL

RELAY	VOLT.	CIRCUIT	DESCRIPTION	SW INPUTS	TIMERS	NOTE	BUTTON	SW TYPE
C1	120	C-2	EXTERIOR LIGHTING		Y	1		
C2	120	C-8	CORRIDOR LIGHTING		Y	2		
C3	120	C-16	LOBBY LIGHTING		Y	2		
C4	120	C-5	CORRIDOR LIGHTING		Y	2		
C5	120	C-12	EXTERIOR FLOOD LIGHT		Y	1		
C6	120		SPARE					
C7	120		SPARE					

NOTES:

1	TIMED ON-OFF.
2	TIMED ON DURING NORMAL HOURS- OCCUPANY SENSOR CONTROLED AFTER HOURS.
3	CONTROLLED BY OCCUPANY SENSOR FOR ON-OFF OPERATION.

NOTES:
SYSTEM WILL BE PROVIDED AS A COMPLETE OPERATING SYSTEM, AS PER DESIGN INTENT AND MANUFACTURER'S SHOP DRAWING. MANUFACTURERS SHOP DRAWINGS MUST BE SUBMITTED AND APPROVED PRIOR TO BEGINNING ROUGH-IN.

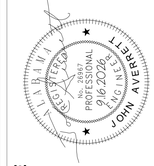
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DESIGNED BY: JZ, TDS
DRAWN BY: JRA
CHECKED BY: JEA

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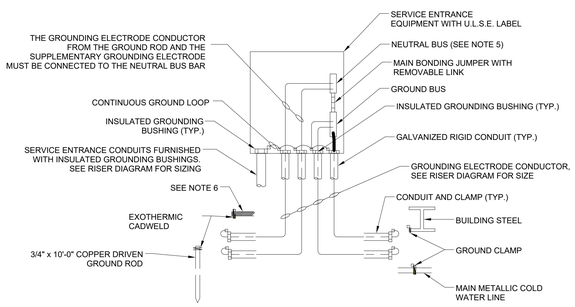
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PANEL & LUMINAIRE SCHEDULES

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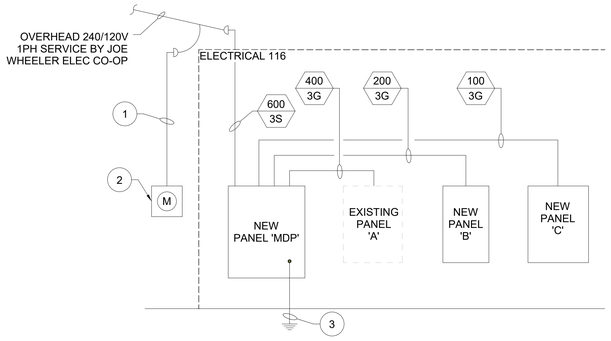
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1 SERVICE ENTRANCE GROUNDING DETAIL

DIAGRAMMATIC

NOTES:
1. GROUNDING ELECTRODE CONDUCTORS SHALL BE ENCLOSED FULL LENGTH BY GALVANIZED RIGID CONDUIT AS INDICATED.
2. GROUNDING ELECTRODE CONDUCTORS SHALL BE BARE COPPER, SOFT-DRIVEN.
3. ALL BUSHING CLAMPS, JUMPERS, DEVICES, ETC. INSTALLED IN DIRECT CONTACT WITH EARTH SHALL BE APPROVED FOR THE PURPOSE.
4. GROUNDING ELECTRODE CONDUCTORS SIZED 6 AWG OR SMALLER SHALL HAVE A CONTINUOUS GREEN OUTER FINISH PER N.E.C.
5. GROUNDING ELECTRODE CONDUCTOR FROM GROUND ROD AND REBAR MUST BE CONNECTED
6. TO THE NEUTRAL BUS BAR AHEAD OF THE BONDING JUMPER. 20' GROUNDING ELECTRODE ENCASED IN CONCRETE IN THE DEEPEST FOOTING AND BENT INSIDE THE BUILDING. GROUNDING ELECTRODE CONDUCTOR MUST BE CONNECTED TO THE OTHER STRUCTURAL REBAR (BY OTHERS) ENCASED IN CONCRETE. REBAR MAY BE USED AS THE GROUNDING ELECTRODE CONDUCTOR. REBAR SHALL BE PAINTED GREEN WHERE EXPOSED OUTSIDE OF THE CONCRETE. THIS IS NOT REQUIRED IN EXISTING BUILDING RENOVATION PROJECTS WHERE A NEW SERVICE IS BEING PROVIDED.
7. IF NONE OF THE OPTIONS ARE AVAILABLE, THE ELECTRICAL CONTRACTOR SHALL USE A COUNTER POISE SYSTEM AS PER THE N.E.C.
8. CONNECTION MUST BE MADE TO THE METAL COLD WATER PIPE WITHIN 5' OF THE POINT OF ENTRANCE INTO THE BUILDING.
9. METAL GAS PIPE SHALL NOT BE USED AS A GROUNDING ELECTRODE CONDUCTOR PER N.E.C. HOWEVER, IF A METAL GAS PIPE IS PROVIDED BY OTHER, IT MUST BE BONDED TO THE GROUNDING ELECTRODE SYSTEM.



2 POWER RISER DIAGRAM

DIAGRAMMATIC

RISER DIAGRAM LEGEND (#):

1. 1-1/4"C FOR METERING.
2. METER FURNISHED BY UTILITY CO. AND INSTALLED BY ELECTRICAL CONTRACTOR.
3. GROUNDS PER NEC AND DETAILS.

FEEDER SCHEDULE

SYMBOL	COPPER	SYMBOL	COPPER	SYMBOL	COPPER	SYMBOL	COPPER
20 / 2G	2#12 & 1#12(G) - 3/4"C	125 / 4G	4#1/0 & 1#6(G) - 1-1/2"C	400 / 3G	3#600MCM & 1#3(G) - 4"C	1600 / 4G	4 PARALLEL RUNS OF 4#600MCM & 1#4/0(G) - 4"C
20 / 3G	3#12 & 1#12(G) - 3/4"C	150 / 3G	3#1/0 & 1#6(G) - 1 1/2"C	400 / 3GS	3#600 MCM & 1#3/0(G) - 4"C	1600 / 4GS	4 PARALLEL RUNS OF 4#600MCM, 1#3/0(G) - 4"C
30 / 2G	2#10 & 1#10(G) - 3/4"C	150 / 4G	4#1/0 & 1#6(G) - 2"C	400 / 3S	3#600 MCM - 4"C	2000 / 3GS	5 PARALLEL RUNS OF 3#600MCM, 1#3/0(G) - 4"C
30 / 3G	3#10 & 1#10(G) - 3/4"C	175 / 3G	3#2/0 & 1#6(G) - 2"C	400 / 4G	4#600MCM & 1#3(G) - 4"C	2000 / 3S	5 PARALLEL RUNS OF 3#600MCM - 4"C
35 / 2G	2#8 & 1#10(G) - 3/4"C	175 / 4G	4#2/0 & 1#6(G) - 2"C	400 / 4GS	4#600MCM & 1#3/0(G) - 4"C	2000 / 4G	5 PARALLEL RUNS OF 4#600MCM, 1#350MCM(G) - 4"C
40 / 2G	2#8 & 1#10(G) - 3/4"C	200 / 3G	3#3/0 & 1#6(G) - 2"C	600 / 3S	2 PARALLEL RUNS OF 3#350MCM - 3"C	2000 / 4GS	5 PARALLEL RUNS OF 4#600MCM, 1#3/0(G) - 4"C
50 / 2G	2#6 & 1#10(G) - 3/4"C	200 / 3S	3#3/0 - 2"C	600 / 4G	2 PARALLEL RUNS OF 4#350MCM & 1#1(G) - 3"C	2500 / 3GS	6 PARALLEL RUNS OF 3#600MCM, 1#3/0(G) - 4"C
50 / 3G	3#6 & 1#10(G) - 3/4"C	200 / 4G	4#3/0 & 1#6(G) - 2"C	600 / 4GS	2 PARALLEL RUNS OF 4#350MCM, 1#2/0(G) - 3"C	2500 / 3S	6 PARALLEL RUNS OF 3#600MCM - 4"C
60 / 2G	2#4 & 1#8(G) - 1"C	200 / 4S	4#3/0 - 2"C	800 / 3GS	2 PARALLEL RUNS 3#600MCM, 1#3/0(G) - 4"C	2500 / 4G	6 PARALLEL RUNS OF 4#600MCM, 1#350MCM(G) - 4"C
60 / 3G	3#4 & 1#8(G) - 1"C	225 / 3G	3#4/0 & 1#4(G) - 2 1/2"C	800 / 3S	2 PARALLEL RUNS OF 3#600MCM - 4"C	2500 / 4GS	6 PARALLEL RUNS OF 4#600MCM, 1#3/0(G) - 4"C
60 / 4G	4#4 & 1#8(G) - 1"C	225 / 3S	3#4/0 - 2 1/2"C	800 / 4G	2 PARALLEL RUNS OF 4#600MCM & 1#1/0(G) - 4"C	3000 / 3GS	8 PARALLEL RUNS OF 3#500MCM, 1#3/0(G) - 4"C
80 / 2G	2#3 & 1#8(G) - 1"C	225 / 4G	4#4/0 & 1#4(G) - 2 1/2"C	800 / 4GS	2 PARALLEL RUNS OF 4#600MCM, 1#3/0(G) - 4"C	3000 / 3S	8 PARALLEL RUNS OF 3#500MCM - 4"C
80 / 3G	3#3 & 1#8(G) - 1"C	225 / 4S	4#4/0 - 2 1/2"C	1000 / 4G	3 PARALLEL RUNS OF 4#500MCM & 1#2/0(G) - 3 1/2"C	3000 / 4G	8 PARALLEL RUNS OF 4#500MCM, 1#400MCM(G) - 4"C
100 / 2G	2#1 & 1#8(G) - 1 1/4"C	250 / 3G	3#250MCM & 1#4(G) - 3"C	1200 / 3GS	3 PARALLEL RUNS OF 3#600MCM, 1#3/0(G) - 4"C	3000 / 4GS	8 PARALLEL RUNS OF 4#500MCM, 1#3/0(G) - 4"C
100 / 3G	3#1 & 1#8(G) - 1 1/4"C	250 / 4G	4#250MCM & 1#4(G) - 3"C	1200 / 3S	3 PARALLEL RUNS OF 3#600MCM - 4"C	4000 / 3GS	10 PARALLEL RUNS OF 3#600MCM, 1#3/0(G) - 4"C
100 / 3S	3#1 - 1 1/4"C	300 / 3G	3#350MCM & 1#4(G) - 3"C	1200 / 4G	3 PARALLEL RUNS OF 4#600MCM & 1#3/0(G) - 4"C	4000 / 3S	10 PARALLEL RUNS OF 3#600MCM - 4"C
100 / 4G	4#1 & 1#8(G) - 1 1/4"C	300 / 4G	4#350MCM & 1#4(G) - 3"C	1200 / 4GS	3 PARALLEL RUNS OF 4#600MCM, 1#3/0(G) - 4"C	4000 / 4G	10 PARALLEL RUNS OF 4#600MCM, 1#500MCM(G) - 4"C
100 / 4S	4#1 - 1 1/4"C	350 / 3G	3#500MCM & 1#3(G) - 3 1/2"C	1600 / 3GS	4 PARALLEL RUNS OF 3#600MCM, 1#3/0(G) - 4"C	4000 / 4GS	10 PARALLEL RUNS OF 4#600MCM, 1#3/0(G) - 4"C
125 / 3G	3#1/0 & 1#6(G) - 1-1/2"C	350 / 4G	4#500MCM & 1#3(G) - 3 1/2"C	1600 / 3S	4 PARALLEL RUNS OF 3#600MCM - 4"C		

NOTES:
1. SCHEDULE IS TYPICAL AND MAY CONTAIN ITEMS NOT REQUIRED FOR THIS PROJECT.
2. "G" INDICATES GROUNDING ELECTRODE CONDUCTOR (GEC) OR EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED PER NEC REQUIREMENTS.
3. "S" INDICATES SERVICE ENTRANCE CONDUCTORS.
4. PER NEC 110.14(C)(1)(A), FOR EQUIPMENT RATED 100A OR LESS OR MARKED FOR #14 THROUGH #1 AWG CONDUCTORS, CONDUCTOR AMPACITY SHALL BE BASED ON THE 60°C COLUMN UNLESS THE EQUIPMENT IS LISTED AND IDENTIFIED FOR 75°C CONDUCTORS.

GROUNDING ELECTRODE CONDUCTOR TABLE

SIZE OF LARGEST UNGROUNDED SERVICE-ENTRANCE CONDUCTOR OR EQUIVALENT AREA FOR PARALLEL CONDUCTORS (AWG/kcmil)	SIZE OF GROUNDING ELECTRODE CONDUCTOR (AWG/kcmil)
COPPER	COPPER
2 OR SMALLER	8
1 OR 1/0	6
2/0 OR 3/0	4
OVER 3/0 THROUGH 350	2
OVER 350 THROUGH 600	1/0
OVER 600 THROUGH 1100	2/0
OVER 1100	3/0

NOTES:
1. WHERE MULTIPLE SETS OF SERVICE-ENTRANCE CONDUCTORS ARE USED AS PERMITTED IN 230.40, EXCEPTION NO. 2, THE EQUIVALENT SIZE OF THE LARGEST SERVICE-ENTRANCE CONDUCTOR SHALL BE DETERMINED BY THE LARGEST SUM OF THE AREAS OF THE CORRESPONDING CONDUCTORS OF EACH SET.
2. WHERE THERE ARE NO SERVICE-ENTRANCE CORRESPONDING CONDUCTORS OF EACH SET. CONDUCTOR SIZE SHALL BE DETERMINED BY THE EQUIVALENT SIZE OF THE LARGEST SERVICE-ENTRANCE CONDUCTOR REQUIRED FOR THE LOAD TO BE SERVED. THIS TABLE ALSO APPLIES TO THE DERIVED CONDUCTORS OF SEPARATELY DERIVED AC SYSTEMS.

DISCONNECT SWITCH SCHEDULE

NUMBER	SIZE	POLE
S1	30	2
S2	30	3
S3	60	2
S4	60	3
S5	100	3
S6	200	3
S7	400	3
S8	600	3

NOTES:
1. ALL DISCONNECT SWITCHES MUST BE LOCATED TO INSURE PROPER CLEARANCES AS PER N.E.C., LOCATION SHALL ALSO BE COORDINATED WITH MECHANICAL CONTRACTOR TO VERIFY THAT NO CONFLICT OCCURS WITH ANY MECHANICAL EQUIPMENT.
2. ALL DISCONNECT SWITCHES WILL BE LABELED BY ELECTRICAL CONTRACTOR AS PER REQUIREMENTS OF SPECIFICATIONS AND PLANS.
3. ALL FUSED DISCONNECT SWITCHES TO BE FUSED AS PER EQUIPMENT MANUFACTURER'S REQUIREMENTS.
4. THIS SCHEDULE IS STANDARD AND MAY INCLUDE ITEMS NOT REQUIRED FOR THIS PROJECT.

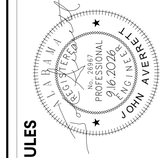
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ELECTRICAL SCHEDULES

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