

HVAC NOTES:

- 1
- VERTICAL AIR HANDLING UNIT ON 4" AUXILIARY DRAIN PAN WITH RETURN AIR PLENUM, ROUTE 3/4" CONDENSATE TO FLOOR DRAIN WITH AIR-GAP.
- 2
- MOUNT THERMOSTAT 48" AFF.
- 3
- ROUTE ALL DUCTWORK TIGHT TO DECK, COORDINATE WITH LIGHT FIXTURES.
- 4
- EXHAUST FAN ON ROOF WITH ROOF CURB. MAINTAIN 10" CLEARANCE FROM FRESH-AIR INTAKE.
- 5
- 6"ø OUTSIDE AIR DUCT FROM RETURN DUCT THROUGH ROOF. PROVIDE MANUAL VOLUME DAMPER AND SET FOR CFM AS SCHEDULED. MAINTAIN 10" CLEARANCE FROM VENTS AND EXHAUST.
- 6
- HEAT PUMP WITH COMPOSITE PAD ON GRADE. FIELD VERIFY EXACT LOCATION. ROUTE REFRIGERANT PIPING THROUGH EXTERIOR WALL WITH WALL CAP.
- 7
- 4" DRYER VENT THROUGH EXTERIOR WALL TO APPROVED WALL CAP.
- 8
- 30" VENTLESS RESIDENTIAL STYLE RANGE HOOD. PROVIDE CHARCOAL FILTERS.
- 9
- MOUNT ELECTRIC UNIT HEATER 12' AFF. FIELD VERIFY CLEARANCES AVAILABLE. INTERLOCK PROXIMITY SWITCH TO DE-ENERGIZE HEATER WHEN BAY DOORS ARE OPEN. CONTRACTOR SHALL PROVIDE SUBMITTALS FOR CONTROLS FOR OWNER APPROVAL.
- 10
- EF-1 WITH 14/14 DUCT UP THROUGH CURB. INTERLOCK FAN CO DETECTOR SENSOR WITH WALL MOUNTED DIGITAL TIMER OVERRIDE SWITCH VIA TIME-DELAY RELAY. DUCT FROM CURB TO BE OPEN TO SPACE. MOUNT SENSORS 48" AFF. PROVIDE METAL LOCKABLE COVER. PROVIDE PROXIMITY (LIMIT) SWITCH FOR BAY DOOR TO ENERGIZE EXHAUST FAN OVERRIDE SWITCH WITH A 5-MINUTE (ADJUSTABLE) TIME. CONTRACTOR SHALL PROVIDE SUBMITTALS FOR CONTROLS FOR OWNER APPROVAL.
- 11
- MINI-SPLIT INDOOR UNIT MOUNTED HIGH ON WALL. ROUTE RFRIGERANT PIPING, CONTROL WIRING, AND CONDESANTE TO OUTDOOR UNIT.

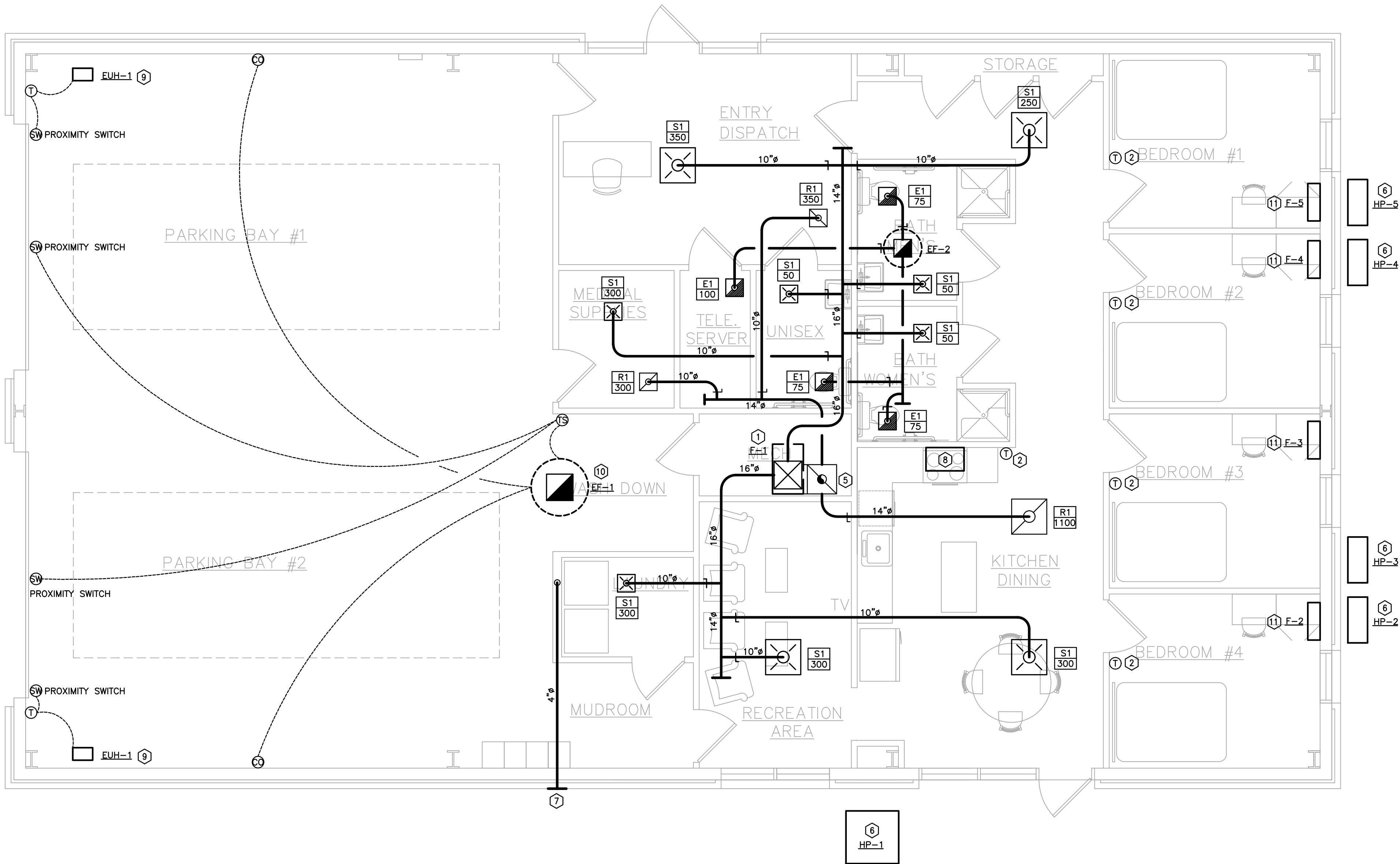
GENERAL HVAC NOTES:

1.
- CONTRACT DOCUMENT DRAWINGS FOR MECHANICAL WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
2.
- SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT BUILDING ARRANGEMENT, DIMENSIONS AND DETAILS. THESE DRAWINGS ARE DIAGRAMMATIC, AND ARE NOT TO BE SCALED.
3.
- COORDINATE DUCT AND PIPE ROUTING AND EQUIPMENT LOCATION WITH PLUMBING AND ELECTRICAL INSTALLATIONS AND WITH BUILDING STRUCTURAL MEMBERS. OFF-SET DUCTS/PIPING AND SHIFT EQUIPMENT AS REQUIRED TO AVOID CONFLICTS WITH OTHER INSTALLATIONS.
4.
- COORDINATE LOCATION OF CEILING REGISTERS WITH LIGHTING LAYOUT, SPRINKLER HEADS AND CEILING GRID SYSTEMS AND APPURTENANCES. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION.
5.
- DUCT SIZES INDICATED ON THE PLANS ARE CLEAR INSIDE DIMENSIONS REQUIRED. WHERE LINER IS INDICATED OR NOTED, INCREASE DUCT SIZE TO ACHIEVE INDICATED DIMENSION(S).
6.
- REFER TO THE ELECTRICAL DRAWINGS FOR VOLTAGE, PHASE, MAXIMUM ALLOWABLE CURRENT DRAW, AMPERAGE AND CONNECTION ARRANGEMENT (SINGLE, MULTI-POINT, ETC.) OF ALL MECHANICAL EQUIPMENT PRIOR TO ORDERING/INSTALLING EQUIPMENT.
7.
- SUPPORT ALL DUCTS, PIPING AND EQUIPMENT FROM PRIMARY BUILDING STRUCTURAL MEMBERS AND PROVIDE SUPPLEMENTAL STRUCTURAL FRAMING AS REQUIRED BETWEEN PRIMARY BUILDING STRUCTURAL MEMBERS TO SUPPORT ALL SYSTEMS INSIDE THE BUILDING.
8.
- PROVIDE STRUCTURAL FRAMING AROUND FULL PERIMETER OF ALL ROOF OPENING/EQUIPMENT. PROVIDE STRUCTURAL LINTELS ABOVE ALL WALL OPENINGS. SEE STRUCTURAL FOR LINTEL DETAIL(S).
9.
- PROVIDE PIPE SLEEVE THRU ALL WALLS AND THRU ALL FLOOR SLABS. SEE PIPE SLEEVE DETAIL.
10.
- PROVIDE PIPE HANGERS FOR ALL SUSPENDED PIPING AS SHOWN IN DETAILS. PROVIDE PIPE STAND FOR ALL FLOOR/GRADE MOUNTED PIPING AS SHOWN IN DETAILS.
11.
- INSTALL DUCT PENETRATIONS THROUGH NON-RATED WALLS AS SHOWN IN DETAILS.
12.
- PROTECT ALL NEW OPENING IN ACCORDANCE WITH BARRED ROOF OPENING AND ARCHITECTURAL REQUIREMENTS.
13.
- COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, AND OTHER DISCIPLINES PRIOR TO CONSTRUCTION.
14.
- PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEM AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
15.
- INSTALL ALL MECHANICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.
16.
- PROVIDE VIBRATION ISOLATION FOR ALL MECHANICAL EQUIPMENT TO PREVENT TRANSMISSION OF VIBRATION TO BUILDING STRUCTURE.
17.
- THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE PROJECT SITE CONDITIONS AND SHALL HAVE THE APPROVAL OF THE ENGINEER BEFORE BEING INSTALLED. DO NOT SCALE DRAWINGS.
18.
- ALL DUCTWORK SHALL BE RIGID TYPE UNLESS OTHERWISE NOTED ON PLANS.
19.
- REFER TO AIR DEVICE SCHEDULE FOR INDIVIDUAL RUNOUT SIZES.

CONTROLS NOTES:

CONTROL LOGIC & OPERATION OF HEATER SHUTDOWN AND FAN ENERGIZING:

- WHEN AN OVERHEAD DOOR OPENS, THE LIMIT SWITCH OPENS THE CONTROL CIRCUIT TO THE UNIT HEATERS, TURNING THEM OFF IMMEDIATELY TO SAVE ENERGY AND PREVENT COLD DRAFTS.
- TIMED EXHAUST FAN (DOOR OPEN): OPENING A DOOR TRIGGERS THE TIME-DELAY RELAY, TURNING ON THE EXHAUST FAN FOR A DESIGNATED RUNTIME (FOR EXAMPLE, 5 MINUTES) TO CLEAR INITIAL VEHICLE FUMES.
- CO SENSOR OVERRIDE: IF CARBON MONOXIDE LEVELS RISE PAST A SAFETY THRESHOLD (TYPICALLY 25 TO 50 PPM), THE CO SENSOR'S INTERNAL RELAY CLOSSES AND TURNS ON THE EXHAUST FAN, OVERRIDING THE DOOR TIMERS UNTIL THE AIR CLEARS.



1 FLOOR PLAN – HVAC
M1 SCALE: 1/4"= 1'-0"

B&L

BRANHAM & LLOYD, LLC

CONSULTING ENGINEERS

3345 HUTCHINSON ROAD

SUITE E, CORNING, GA 30604

PHONE: (478) 436-0803

EMAIL: INFO@BRANHAMLOYD.COM

09/11/2026

REGISTERED

No. PE034794

PROFESSIONAL

ENGINEER

BRANHAM

REVISIONS

#	DATE

A NEW
EMS
FACILITY
FOR:

OCONEE
COUNTY

WATKINSVILLE,
GEORGIA

RIDDLE

ARCHITECTURE, P.C.

AMERICAN
INSTITUTE
OF
ARCHITECTS

497 BROOMSDGE COURT
BOLIVIA, NC
28422
(404) 285-8646

TITLE: FLOOR PLAN -
HVAC

JOB #: 2502
DATE: 09.11.26

SHEET #

M1