



- NOTES**
1. THE LAYOUT SHOWN IS A PRELIMINARY DESIGN ONLY. THE DESIGN ENGINEER SHALL ADJUST LAYOUT OF EQUIPMENT, FIXTURES, PIPING, AND DUCTWORK AS REQUIRED AND COORDINATE WITH APPLICABLE DISCIPLINES FOR FINAL DESIGN.
 2. BUILDING TO BE A PRE-MANUFACTURED METAL BUILDING.
 3. PROVIDE CONTROLS FOR HVAC EQUIPMENT AS REQUIRED TO MEET DESIGN SETPOINTS FOR SPACES AS LISTED IN THE BUILDING PERFORMANCE SPECIFICATION.

- KEYED NOTES**
1. INSTALL PACKAGED HEAT PUMP, RTU-1, ON HOUSEKEEPING PAD AT GRADE. DISCHARGE CONDENSATE DRAIN TO GRADE. ROUTE SUPPLY AND RETURN DUCTWORK UP EXTERIOR WALL AND PENETRATE INTO BUILDING.
 2. INSTALL SUPPLY DIFFUSER IN CEILING AND ROUTE SUPPLY DUCTWORK BACK TO MAIN SUPPLY DUCT.
 3. INSTALL RETURN GRILLE IN CEILING AND ROUTE RETURN DUCTWORK BACK TO MAIN RETURN DUCT.
 4. INSTALL EXHAUST FAN WITH INTEGRAL EXHAUST GRILLE IN CEILING AND ROUTE EXHAUST DUCTWORK OUTDOORS. EXHAUST DISCHARGE SHALL MEET MINIMUM DISTANCE FROM OPENINGS AND GRADE IN ACCORDANCE WITH APPLICABLE MECHANICAL CODE.
 5. NOT USED
 6. NOT USED
 7. INSTALL ELECTRIC UNIT HEATER AT 9' AFF.
 8. INSTALL WALL LOUVER WITH MOTORIZED DAMPER AND FILTER RACK WITH TOP FLUSH WITH TOP OF EXTERIOR MAN DOORS.
 9. INSTALL WALL MOUNTED EXHAUST FAN WITH MOTORIZED DAMPER AND 45" WEATHER HOOD AT 16' AFF. FANS TO INTERLOCK WITH CORRESPONDING LOUVER MOTORIZED DAMPERS AND FIRE ALARM SYSTEM.
 10. INSTALL WALL MOUNTED EXHAUST FAN WITH BACKDRAFT DAMPER AT 11' AFF.
 11. ROUTE SUPPLY DUCTWORK DN TO 9'-0" AFF AND INSTALL HANG SUPPLY DIFFUSER.

HVAC FLOOR PLAN
 SCALE 3/16" = 1'-0"
 0 2 4 8 12 FEET
 3/16" = 1'-0"

REVISIONS		
NO.	DATE	DESCRIPTION
D	07/23/25	ISSUED FOR REVIEW
C	06/16/25	ISSUED FOR REVIEW
B	05/28/25	ISSUED FOR REVIEW
A	03/05/25	ISSUED FOR REVIEW

PRELIMINARY,
 NOT FOR
 CONSTRUCTION,
 RECORDING PURPOSES,
 OR IMPLEMENTATION

ISSUED FOR USE

POWER ENGINEERS
 Power Engineers Inc. - Arkansas State
 Certificate of Registration # 645

PROJECT LOCATION:
 STREET ADDRESS
 OZARK, FRANKLIN CO., ARKANSAS

ARKANSAS ELECTRIC COOPERATIVE CORPORATION

FITZHUGH GENERATING STATION
 HVAC
 FLOOR PLAN

POWER ENGINEERS INC. DWG. NO.: 34001-H2-01
 REV. NO.: C SH. NO.: 1
 SCALE: 3/16" = 1'-0" CTN. ON SH.: 1