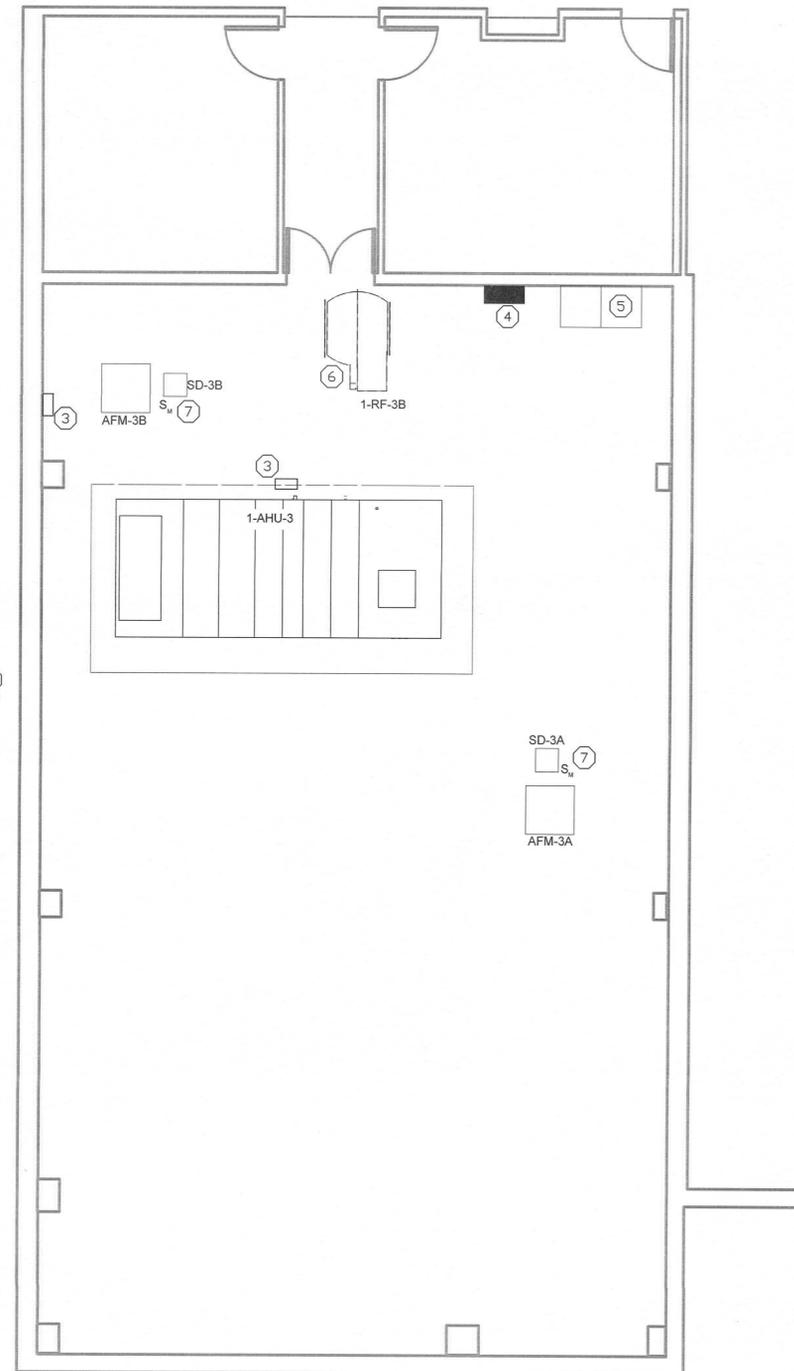


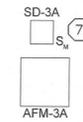
2 FIRST FLOOR ELECTRICAL DEMOLITION PLANS
E-101 SCALE: 1/8" = 1'-0"



1 FIRST FLOOR ELECTRICAL PLANS
E-101 SCALE: 1/8" = 1'-0"

KEY NOTES

- ① DISCONNECT POWER FROM EXISTING RETURN FAN AND PROTECT FOR REUSE FOR NEW UNIT.
- ② EXISTING VFD. DISCONNECT EXISTING POWER FROM EXISTING UNIT AND PROTECT FOR REUSE WITH NEW AHU.
- ③ RECIRCUIT NEW VFD TO EXISTING CIRCUIT PREVIOUSLY SERVING AHU. MAKE ALL FINAL ELECTRICAL CONNECTIONS.
- ④ EXISTING SQUARE D NQOB 120/208V 100A MCB PANEL '1ER' TO REMAIN.
- ⑤ EXISTING MCC MC1, FED FROM ROOM EB-4 PANEL MS BREAKER 8, TO REMAIN. SQUARE D MODEL 4 CONTROL CENTER. 600A HORIZONTAL BUS, 300A VERTICAL BUS, 600V AC RATED. TO REMAIN.
- ⑥ RECIRCUIT NEW RETURN FAN TO EXISTING CIRCUIT PREVIOUSLY SERVING UNIT. MAKE ALL FINAL ELECTRICAL CONNECTIONS.
- ⑦ PROVIDE MOTOR-RATED SWITCH AND NEW 120V CIRCUIT CIRCUITED TO NEW 1P-20A BREAKER IN EXISTING PANEL 'ER1'-25 TO SERVE NEW AIR FLOW MONITOR STATION AND NEW SMOKE CONTROL DAMPER. 2-12 AWG CU, 12 AWG EG, 3/4" EMT. COORDINATE SWITCH LOCATION WITH MECHANICAL CONTRACTOR.
- ⑧ CONTRACTOR SHALL PROVIDE TEMPORARY POWER CONNECTION TO TEMPORARY HVAC UNIT LOCATED ON ROOF. WHILE NEW AHU IS BEING INSTALLED. EXISTING POWER PREVIOUSLY SERVING AHU BEING DEMOLISHED SHALL BE EXTENDED TO NEW LOCATION. PROVIDE ALL NECESSARY NEMA 3R DISCONNECTS, CONDUCTORS AND CONDUIT TO EXTEND CIRCUITS TO THIS LOCATION. COORDINATE CLOSELY WITH THE MECHANICAL CONTRACTOR. PROVIDE ONE WEATHERPROOF GFI RATED SERVICE RECEPTACLE LOCATED AT THE TEMPORARY UNIT. CIRCUITED TO NEAREST GENERAL PURPOSE RECEPTACLE CIRCUIT IN ROOM WITH 2-12AWG, 1-12 AWG EG IN 3/4" CONDUIT. WHEN TEMPORARY HVAC IS REMOVED, REMOVE ALL TEMPORARY CONNECTIONS AND CONNECT POWER TO NEW AHU AS INDICATED.



three eighths inch = one foot
 one eighth inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one half inch = one foot
 three quarters inch = one foot
 one inch = one foot
 one and one half inches = one foot
 two inches = one foot
 three inches = one foot

100% CONSTRUCTION DOCUMENTS

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|---|--|---|--|---|--|---|--|--|--|---------------------------------|--|
| CONSULTANTS: Amended Per Owner's Comments No Rev Clouds 10/17/2014 Revisions Date | | PROJECT MANAGER: APOGEE Consulting Group, PA www.acg-pa.com Raleigh, NC Indianapolis, IN Philadelphia, PA Pittsburgh, PA Virginia Beach, VA Fort Collins, CO (919) 858-7420 NC License # C-1848 | | Project Number 2013121 Scale 1/8" = 1'-0" Drawing Title ELECTRICAL PLANS AHU-3 Approved: Project Director | | Project Title REPLACE AIR HANDLING UNITS 3, 14, & 34 Location 2300 RAMSEY STREET, FAYETTEVILLE, NC 28301 Date 08/28/2014 Checked JKM Drawn JKM | | VA Project Number 246-13-C-0106 Building Number 1 AND 3 Drawing Number E-101 Dwg. 16 of 18 | | Office of Facilities Management | |
|---|--|---|--|---|--|---|--|--|--|---------------------------------|--|