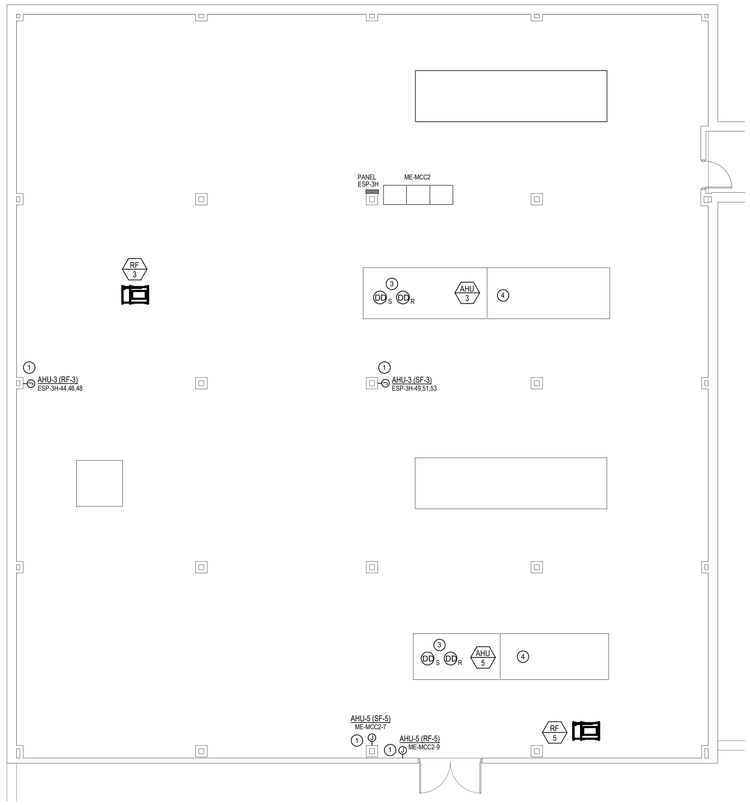
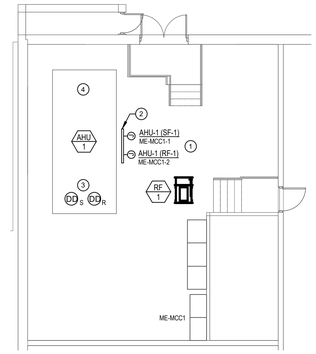
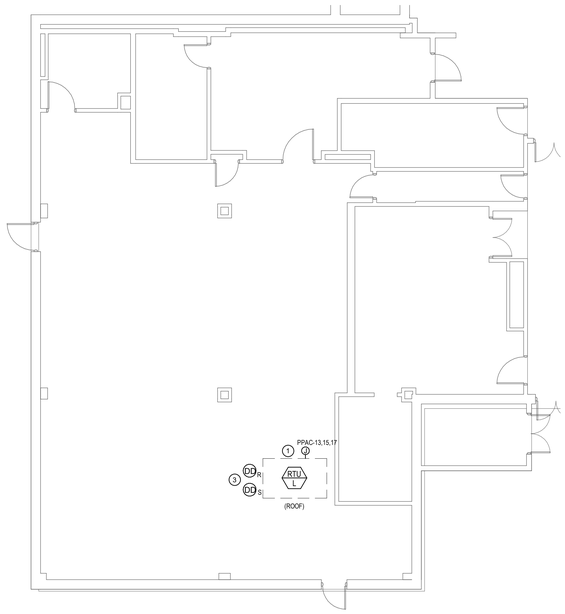
three inches = one foot
one and one half inch = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



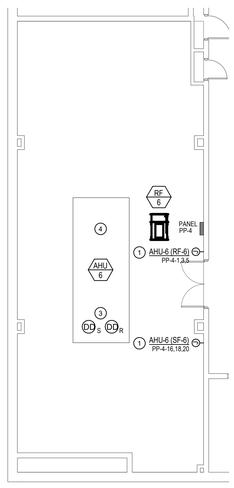
4 MECHANICAL ROOM 453
1/8" = 1'-0"



3 MECHANICAL ROOM 171
1/8" = 1'-0"



2 FIRST FLOOR LAUNDRY 141
1/8" = 1'-0"



1 MECHANICAL ROOM 11
1/8" = 1'-0"

POWER GENERAL NOTES

1 FINAL LOCATION OF ALL EQUIPMENT SHALL BE DETERMINED IN THE FIELD AND SHALL BE INSTALLED AS DIRECTED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE. WHERE STRUCTURAL OPENINGS ARE NOT AVAILABLE, THE CONTRACTOR SHALL CORE DRILL WALLS AND FLOORS AS REQUIRED TO PERMIT PASSAGE OF CONDUITS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A MARKED-UP PLAN WITH LOCATION PENETRATIONS FOR REVIEW AND APPROVAL OF THE STRUCTURAL ENGINEER BEFORE ROUGH-IN BEGINS.

2 DURING THE BIDDING PROCESS, THE ELECTRICAL CONTRACTOR SHALL REVIEW DRAWINGS AND SPECIFICATIONS OF ALL OTHER TRADES (ARCHITECTURAL, SITE/LANDSCAPING, HVAC, PLUMBING AND SPECIALTY TRADES). ALL ITEMS REQUIRING POWER INDICATED ON THESE DRAWINGS BUT NOT INDICATED ON THE ELECTRICAL DRAWINGS SHALL BE CONSIDERED A PART OF THE ELECTRICAL CONTRACTOR'S WORK. THIS WORK SHALL BE INSTALLED AS PER NEC REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.

3 THE CONTRACTOR SHALL MAKE EVERY EFFORT TO MAKE ALL FEEDER RUNS CONTINUOUS (NO CABLE BREAKS). IF SPLICING CABLES IN BOXES BECOMES NECESSARY, USE O.Z.G. TYPE "XW" CABLE TAPS, OR APPROVED EQUAL, AND TAPE EACH TAP IN APPROVED MANNER. OBTAIN APPROVAL FROM COR PRIOR TO PERFORMING THE WORK.

4 THE MECHANICAL CONTRACTOR SHALL PROVIDE DISCONNECT SWITCHES, VFD'S, OR COMBINATION STARTERS FOR ALL OF THEIR UNITS. THE ELECTRICAL CONTRACTOR SHALL RECEIVE THESE ITEMS FROM THE MECHANICAL CONTRACTOR FOR INSTALLATION BY THE ELECTRICAL CONTRACTOR.

5 THE ELECTRICAL CONTRACTOR SHALL COORDINATE CONDUIT PENETRATIONS FOR ROOFTOP EQUIPMENT WITH MECHANICAL AND ROOFING CONTRACTORS. IF PROVISIONS ARE NOT IN PLACE FOR THESE PENETRATIONS THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING OWN PENETRATIONS AND CONTRACTING THE ROOF CONTRACTOR FOR SEALING THE ROOF PENETRATIONS.

6 REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF ALL MECHANICAL EQUIPMENT.

7 PROVIDE CONDUIT AND WIRING AS REQUIRED TO MEET CIRCUITING SHOWN TO CONFORM TO NEC REQUIREMENTS.

8 PROVIDE EQUIPMENT GROUND CONDUCTOR IN ALL RACEWAYS. REFER TO PANELBOARD SCHEDULES.

9 REFER TO EQUIPMENT CONNECTION SCHEDULE FOR ELECTRICAL REQUIREMENTS AND CIRCUIT DESIGNATIONS.

10 ROUTE CONDUIT HIGH AGAINST STRUCTURE AND OFFSET UP BETWEEN JOISTS WHERE NECESSARY TO AVOID DUCT WORK AND HVAC SYSTEM.

11 VERIFY AND COORDINATE EXACT ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT WITH MANUFACTURER'S RECOMMENDATIONS PRIOR TO INSTALLATION OF EQUIPMENT.

(#) POWER KEYED NOTES

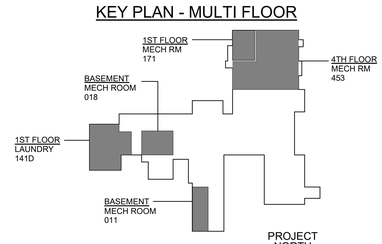
1 PROVIDE CONNECTION TO VFD WITH INTEGRAL DISCONNECT (FURNISHED BY MECHANICAL CONTROACTOR). COORDINATE EXACT LOCATION OF VFDs WITH MECHANICAL CONTRACTOR. CONTRACTOR SHALL MAKE ALL CONNECTIONS TO NEW CONTROL WIRING AND EQUIPMENT ASSOCIATED WITH EACH MECHANICAL EQUIPMENT.

2 PROVIDE UNISTRUT MOUNTING STRUCTURE FOR VFDS. COORDINATE EXACT LOCATION ON SITE.

3 PROVIDE AND INSTALL DUCT SMOKE DETECTORS (FOR SUPPLY AND RETURN EACH) AND CONNECT TO THE NEAREST FIRE ALARM TERMINAL CABINET. FIELD VERIFY AND REFER TO MECHANICAL DRAWINGS FOR LOCATION OF DUCT SMOKE DETECTORS.

4 PROVIDE (2) #12, (1)#12GND IN 3/4" CONDUIT AND EXTEND CIRCUIT FROM THE NEAREST RECEPTACLE CIRCUIT TO EACH OF THE AIR HANDLING UNITS FOR POWER TO RECEPTACLE AND LIGHTS INSIDE THE UNIT.

KEY PLAN - MULTI FLOOR



FULLY SPRINKLERED
100% CONSTRUCTION DOCUMENTS

#	Revision	Date

CONSULTANTS:

SEAL

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER PETER B. KOSSAHUN PE 085898 PENNSYLVANIA

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AE WORKS PROJECT NUMBER: 14-

Drawing Title
ELECTRICAL NEW WORK PLAN

Approved: Project Director

Project Title:
CORRECT
RETRO-COMMISSIONING
DISCREPANCIES

Location: JAMES E. VAN ZANDT MEDICAL CENTER
ALTOONA, PA 16602

Date: 06/07/2018 | **Checked:** BK | **Drawn:** BK

Project Number 503-15-205

Building Number 1

Drawing Number 01-E101

Office of Construction and Facilities Management
Department of Veterans Affairs

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VA FORM 08-6231