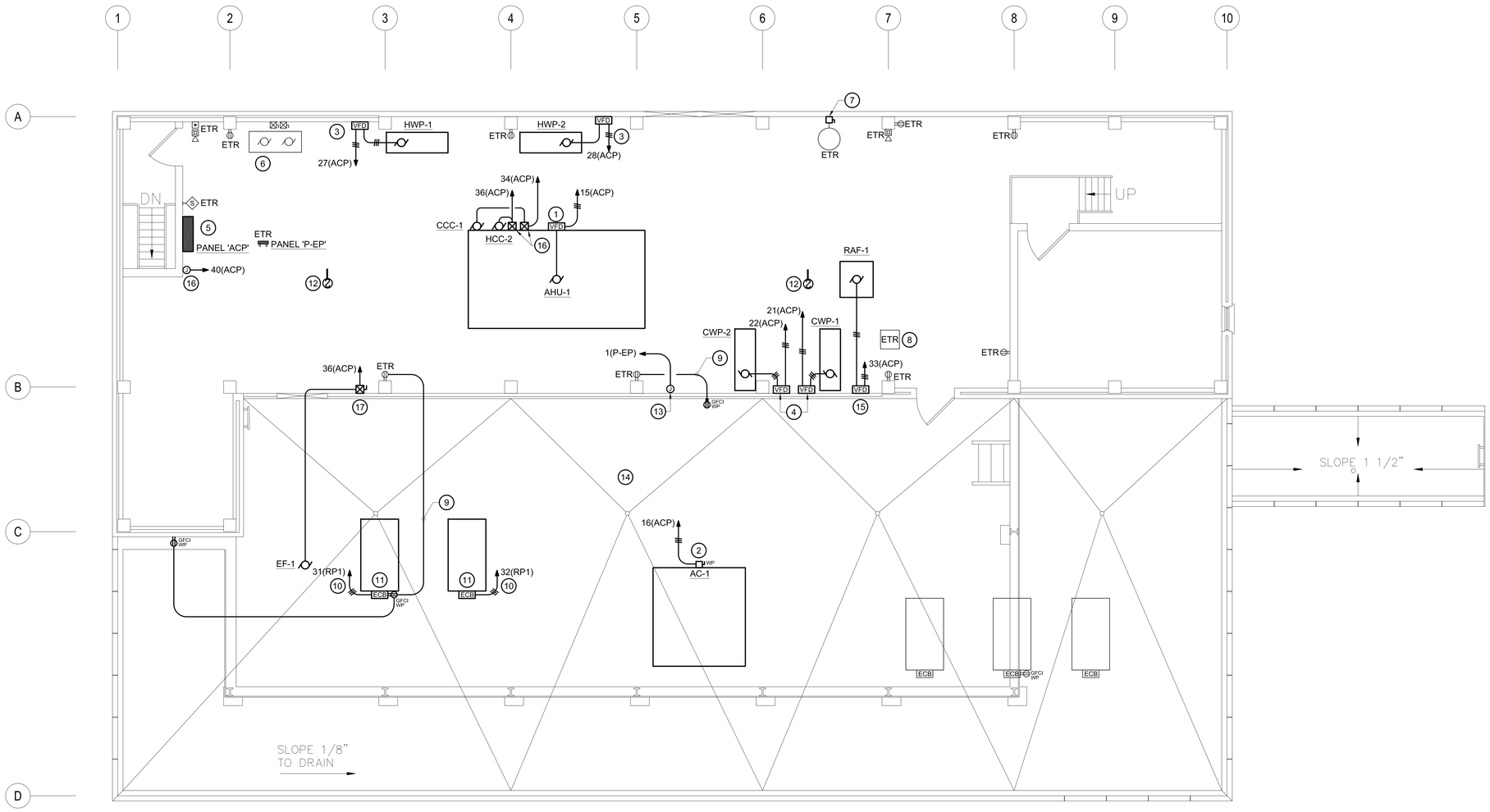

1 / 15-E7 PENTHOUSE PLAN - POWER - NEW WORK

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

N

GENERAL NOTES:

1. REFER TO 15-E1 FOR ELECTRICAL LEGEND, ABBREVIATIONS AND GENERAL NOTES.
2. REFER TO MECHANICAL PLANS FOR EXACT MECHANICAL EQUIPMENT LOCATION & ELECTRICAL CONNECTION REQUIREMENTS. ADJUST FINAL LOCATION OF DISCONNECT SWITCHES, MOTOR STARTERS AND VFD'S BASED ON FIELD CONDITIONS.
3. ALL EXISTING FIRE ALARM AND TELECOMMUNICATIONS EQUIPMENT IS EXISTING TO REMAIN, U.O.N.

DRAWING NOTES:

1. PROVIDE 3P, 208V, 15HP VARIABLE FREQUENCY DRIVE WITH INTEGRAL BYPASS AND 90A DISCONNECT. EXTEND 3 #3 +1 #8 GRD. IN 1 1/4" C. TO UNIT AND CIRCUIT INDICATED.
2. PROVIDE 3P, 208V, 200A NFSS IN NEMA TYPE 3R ENCLOSURE. EXTEND 3 #2/0 + 1 #6 GRD. IN 2" C. TO UNIT AND CIRCUIT INDICATED.
3. PROVIDE 3P, 208V, 1-1/2HP VARIABLE FREQUENCY DRIVE AND 15A DISCONNECT. PROVIDE 3 #12 + 1 #12 GRD. IN 3/4" C.
4. PROVIDE 3P, 208V, 3HP VARIABLE FREQUENCY DRIVE AND 20A DISCONNECT. PROVIDE 3 #12 + 1 #12 GRD. IN 3/4" C.
5. PROVIDE NEW PANEL 'ACP'. EXTEND AND RECONNECT EXISTING BRANCH CIRCUITS THAT WERE FED FROM DEMOLISHED PANEL ACP AND ARE EXISTING TO REMAIN TO NEW PANEL ACP. PROVIDE NEW CIRCUIT BREAKERS TO BE THE SAME SIZE AS REMOVED FOR ALL BRANCH CIRCUIT BEING RECONNECTED. RECONNECT EXISTING INCOMING FEEDERS.
6. EXISTING AIR COMPRESSOR AND AIR DRYER TO REMAIN.
7. CONNECT TO EXISTING HOT WATER HEATER. PROVIDE 3P 30A NFSS AND RECONNECT WIRE AND CONDUIT TO NEW SAFETY SWITCH.
8. EXISTING MOTOROLA COMMUNICATION CABINET TO REMAIN.
9. EXTEND EXISTING CIRCUIT TO NEW RECEPTACLE.
10. PROVIDE 3 #12 + 1 #12 GRD. IN 3/4" C.
11. DISCONNECTING MEANS (ECB) IS PROVIDED WITH THE UNIT.
12. REINSTALL EXISTING DUCT SMOKE DETECTOR AND REMOTE TEST SWITCH COMPONENTS THAT WERE SALVAGED DURING DEMOLITION. PROVIDE ALL OTHER COMPONENTS AS REQUIRED TO MAKE SYSTEM FULLY OPERATIONAL.
13. PROVIDE CONNECTION TO HEAT TRACE. COORDINATE WORK WITH MECHANICAL CONTRACTOR.
14. REINSTALL EXISTING LIGHTNING PROTECTION AIR TERMINALS ON NEW MECHANICAL EQUIPMENT THAT WERE SALVAGED DURING DEMOLITION. PROVIDE ADDITIONAL LIGHTNING PROTECTION COMPONENTS ON NEW MECHANICAL EQUIPMENT AND CONNECT TO EXISTING SYSTEM AS REQUIRED. CONTRACTOR SHALL VERIFY THAT EXISTING LIGHTNING PROTECTION SYSTEM AND NEW COMPONENTS COMPLY WITH NFPA 780. IF SYSTEM DOES NOT COMPLY WITH NFPA 780, THEN CONTRACTOR SHALL PROVIDE THE NECESSARY COMPONENTS AND CONNECTION REQUIREMENTS RESULTING IN A FULLY MASTER LABELED SYSTEM.
15. PROVIDE 3P. 208V 5HP VARIABLE FREQUENCY DRIVE WITH INTEGRAL BYPASS AND 30A DISCONNECT. EXTEND 3 #10 + 1 #10 GRD. IN 3/4" C. TO UNIT AND CIRCUIT INDICATED.
16. CONNECT TO ATC PANEL. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.

Additions:	Date:
Revisions:	

Consultants

BURDETTE KOEHLER MURPHY & ASSOCIATES, INC.
MECHANICAL / ELECTRICAL CONSULTING ENGINEERING
1423 CLARKVIEW ROAD, SUITE 500
BALTIMORE, MARYLAND 21209
410.323.0600 – FAX 410.377.2543

BUILDING COST CONSULTANTS
COST ESTIMATING
12917 – 30TH AVENUE
PLATTSMOUTH, NEBRASKA 68048
402.298.8260 – FAX 402.298.8290

Seal:

ARCHITECTURE PLANNING ENGINEERING
POLT DESIGN GROUP
1301 Enterprise Court, Suite 103-C
Bel Air, Maryland 21014-1847
410.803.2141
fax 410.838.1603
www.polt-design.com

Drawing Scale:
Drawing Start Date:
Drawing Finish Date:
Drawing Approved:

Drawing Title: ROOF PLAN – POWER – NEW WORK
Approved: Associate Director for Operations:
Approved: Chief, Facilites Engineer:
Approved: Director, Medical Center:

Project Title: BUILDING 15 RENOVATION
Building No: 15
Checked: RAM
Drawn: BMG
Location: VAMHCS MEDICAL CENTER WILMINGTON, DELAWARE

Date: 12-19-2012
Project No: xxx-10-xxx
DRAWING NO: 15-E7
Dwg. – Of xx

DEPARTMENT OF VETERANS AFFAIRS

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