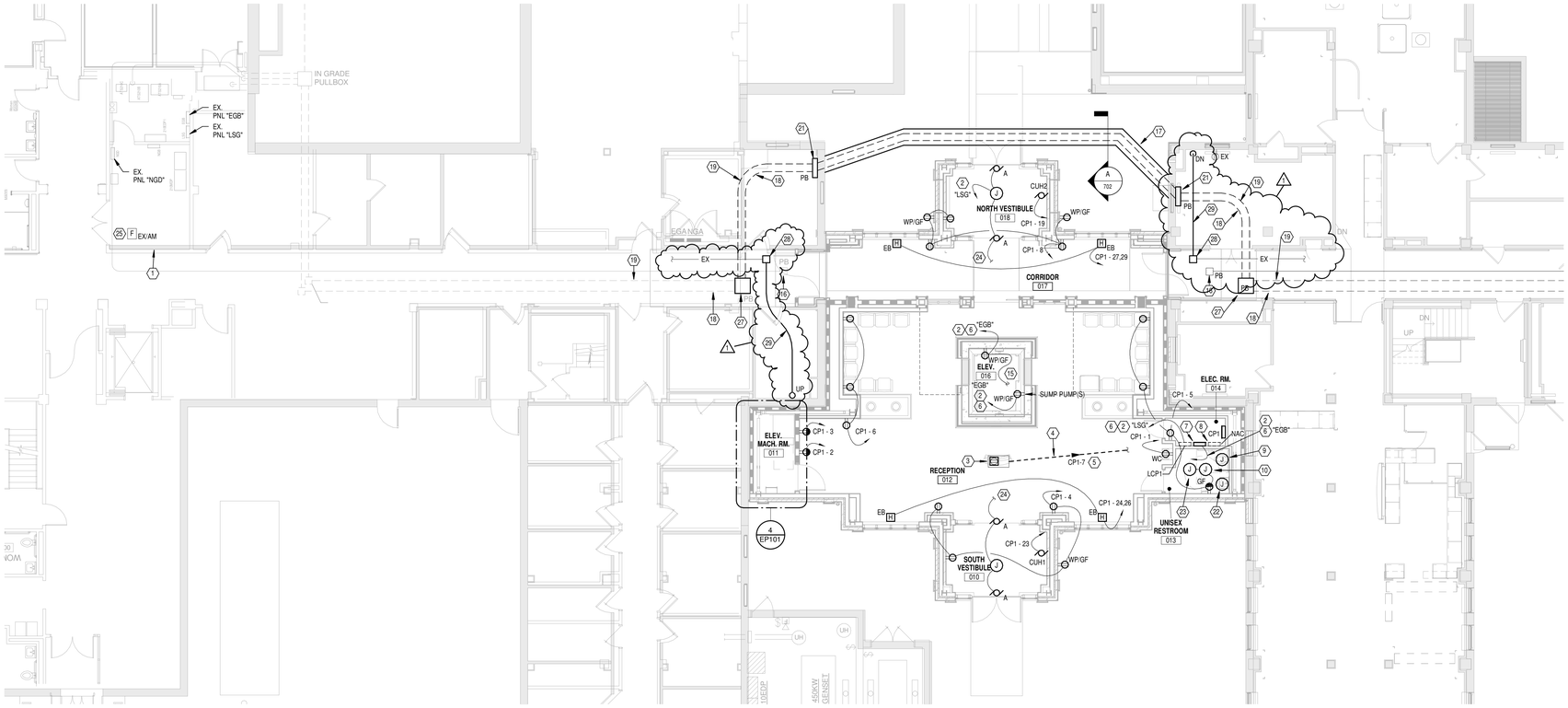


N 1 PLAN

BASEMENT FLOOR PLAN - POWER

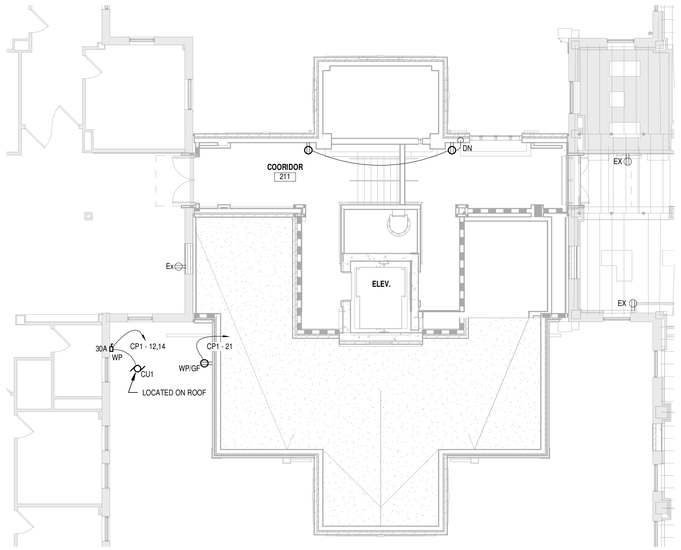
Scale: 1/8" = 1'-0"

GENERAL NOTES

A. PROVIDE DEDICATED NEUTRAL FOR ALL 120V-20A CIRCUITS.
B. PROVIDE PRINTED LABELS ON ALL RECEPTACLE AND SWITCH COVERPLATES INDICATING PANEL AND CIRCUIT NUMBER.
C. EMT CONDUIT SHALL BE 0.75" MINIMUM.
D. REFER TO DIVISION 22/ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL PLUMBING EQUIPMENT.
E. CONTRACTOR SHALL INSTALL ELECTRICAL CONDUIT/FEEDERS TIGHT TO STRUCTURE TO ALLOW FOR REQUIRED CLEARANCES AROUND OTHER TRADES ABOVE CEILING EQUIPMENT.
F. (1) EACH BRANCH CIRCUIT HOMERUN SHALL HAVE NO MORE THAN THREE CIRCUITS. EACH BRANCH CIRCUIT SHALL HAVE A SEPARATE NEUTRAL AND GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR.
G. MULTI-GANG BACKBOXES FOR DIFFERENT VOLTAGES AND TYPES OF EMERGENCY AND NORMAL BRANCH WIRING DEVICES SHALL HAVE DIVIDERS BETWEEN DEVICES.
H. INCLUDE ALL WORK NECESSARY TO ACCOMMODATE PHASING.
I. REFER TO ARCHITECTURAL DRAWINGS AND GENERAL REQUIREMENTS SECTION 01 00 00.
J. REFER TO ARCHITECTURAL DRAWINGS FOR RATED WALL LOCATIONS.
K. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF DEVICES MOUNTED ABOVE OR BELOW CASEWORK, FURNITURE, LAVATORIES, ETC.
L. DUCT BANK MINIMUM COVER SHALL COMPLY WITH NEC TABLE 300.5.
M. COORDINATE DUCT BANK ROUTE WITH CIVIL DRAWINGS AND STORM DRAIN WORK.

NOTES

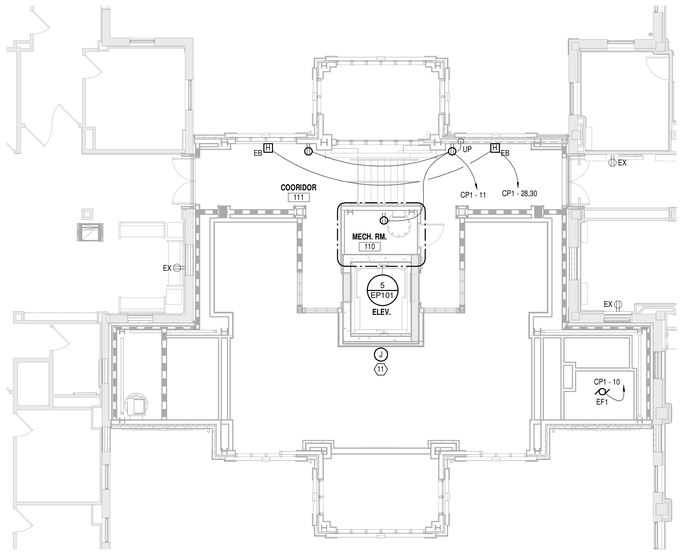
1. EXISTING FACP IS LOCATED IN BASEMENT OF BUILDING 210 ELECTRICAL ROOM
2. UTILIZE EXISTING 120V-20A/1P SPARE BREAKER IN EXISTING PANEL FOR NEW WORK.
3. PROVIDE NON-METALLIC FLOOR BOX MADE OF HIGH STRENGTH RIGID PVC CONSTRUCTION (NON-CORROSIVE). BOX MUST HAVE OVERSIZED 1.5" (DATA) AND 1" (POWER) CONDUIT HUB. MINIMUM DEPTH OF POUR SHALL NOT EXCEED 3". PROVIDE FLOOR BOX WITH UNIVERSAL CARPET FLANGE (MADE OF CAST ALUMINUM) AND COVER ASSEMBLY. PROVIDE WITH (4) 20A, 125V RECEPTACLES AND (4) KEYSTONE OPENINGS FOR DATA JACKS OR FLUSH A/V CONNECTORS. VERIFY COLOR FINISH WITH ARCHITECT/COTR.
4. PROVIDE 1" PVC CONDUIT BELOW SLAB. UTILIZE RIGID FOR ELBOW TURN INTO PANEL.
5. RUN CIRCUIT BELOW FLOOR SLAB.
6. CONTRACTOR SHOULD CONSIDER RUNNING CIRCUIT BELOW FLOOR SLAB INTO ADJACENT CRAWL SPACE TO ACCESS EXISTING ELECTRICAL ROOM.
7. PROVIDE 120V CONNECTION TO SUMP PUMP CONTROL PANEL PROVIDED BY DIVISION 22.
8. PROVISIONS FOR FIRE ALARM NAC PANEL.
9. PROVIDE RECESSED 4" SQ. J-BOX AND 0.75"C. TO ABOVE ACCESSIBLE CEILING FOR LOW VOLTAGE WIRING BY DIVISION 22. COVERPLATE BY DIVISION 22. COORDINATE EXACT M.H. WITH DIVISION 22 PRIOR TO ROUGH IN.
10. ABOVE CEILING, LOW VOLTAGE TRANSFORMER FOR SENSOR OPERATED FLUSH VALVE PROVIDED BY DIVISION 22.
11. PROVIDE TWO(2) SINGLE GANG RECESSED BACK BOXES FLUSH WITH STUD WALL CONSTRUCTION. LOCATE BEHIND FULL HEIGHT STONE VANEER. PROVIDE 1-0.75"C (BOX A-POWER) AND 1-1.5"C (BOX B-DATA) TO ABOVE ACCESSIBLE CEILING SPACE FOR FUTURE WALL MOUNTED DIGITAL SIGNAGE. PLACE TAG ON EMPTY CONDUIT INDICATING "SPARE CONDUIT TO WALL MOUNTED JUNCTION BOX FOR FUTURE DIGITAL SIGNAGE". CONTRACTOR SHALL LIGHTLY MARK/INDICATE EXACT LOCATION OF BOXES BEHIND A SPECIFIC STONE OF THE VANEER WALL. COORDINATE EXACT LOCATION & HEIGHT WITH COTR/ARCHITECT DURING CONSTRUCTION.
12. WIRE THRU CONDENSING UNIT LOCATED ON ROOF.
13. PROVIDE 250V-30A/2P FUSED DISCONNECT SWITCH (FUSED AT 20A, LPJ). RUN 2-#12, #12 GRD. IN 0.75"C.
14. PROVIDE 208V-250A-3P (40HP) FUSIBLE POWER MODULE SWITCH (FUSED AT 225A, LPJ) WITH SHUNT TRIP, FIRE ALARM, VOLTAGE MONITORING, CONTROL RELAYS, PILOT LIGHTS, ETC. REFER TO EXISTING MAIN DIST. SWBD "210MDP" SCHEDULE FOR FEEDER SIZE.
15. EXTEND CIRCUIT TO ELEVATOR HOISTWAY LIGHTING.
16. EXISTING GENERATOR FIBER LOOP (2MM)(LOCATED ABOVE CEILING) FROM B211 FIBER TERMINATION PANEL TO NEW B210 PLC PANEL LOCATION TO BE REROUTED. REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL FIBER INFORMATION.
17. PROPOSED LOCATION OF UNDERGROUND DUCTBANK. REFER TO SHEET E702 FOR DUCTBANK DETAIL.
18. EXISTING BUILDING 211 EMERGENCY FEEDER AND GENERATOR START CIRCUIT TO BE REROUTED. INTERCEPT AND EXTEND 4-600 KCMIL, 1-#2 GRD IN 4" EMT. PAINT IDENTIFICATION ON CONDUIT IN RED STENCIL. REFER TO E702 FOR DUCT BANK DETAIL AND ADDITIONAL NOTES.
19. EXISTING BUILDING 210 EMERGENCY FEEDER AND GENERATOR START CIRCUIT TO BE REROUTED. INTERCEPT AND EXTEND 4-500 KCMIL, 1-#2 GRD IN 4" EMT. PAINT IDENTIFICATION ON CONDUIT IN RED STENCIL. REFER TO E702 FOR DUCT BANK DETAIL AND ADDITIONAL NOTES.
20. PROVIDE 30A/3P DISCONNECT FOR BLOWER COIL AIR HANDLER (BC1). RUN 3-#10, #10 GRD. IN 0.75"C. COORDINATE EXACT PLACEMENT WITH ALL TRADES PRIOR TO ROUGHIN.
21. COORDINATE EXACT LOCATION, ROUTE AND WALL PENETRATIONS WITH OTHER TRADES DURING CONSTRUCTION.
22. PROVIDE RECESSED SINGLE GANG J-BOX AND 0.75"C. TO ABOVE ACCESSIBLE CEILING FOR LOW VOLTAGE WIRING BY DIVISION 22. PROVIDE GROMMETTED OPENING COVERPLATE. COORDINATE EXACT M.H. WITH DIVISION 22 PRIOR TO ROUGH IN.
23. ABOVE CEILING, LOW VOLTAGE TRANSFORMER FOR SENSOR OPERATED FAUCET PROVIDED BY DIVISION 22.
24. CONNECT BOTH SETS OF DOORS ON SAME LIFE SAFETY CIRCUIT.
25. EXISTING AREA OF REFUGE LOCATED AT NURSES STATION LOCATED ON FIRST FLOOR ABOVE.
26. PROVIDE UNISTRUT FRAMING TO OFFSET CONTROL PANEL TO IN FRONT OF STRUCTURAL BRACING. MAINTAIN PROPER NEC 110.26 CLEARANCES. COORDINATE EXACT LOCATION IN FIELD DURING CONSTRUCTION.
27. PROVIDE NEW NEMA 1 PULL BOX IN CRAWL SPACE AS SPLICE LOCATION. SIZE PER 2011 NEC A314. COORDINATE EXACT LOCATION WITH EXISTING UTILITIES WITHIN CRAWL SPACE.
28. PROVIDE NEW SPLICE BOX ABOVE ACCESSIBLE CEILING TO INTERCEPT EXISTING MED GAS ALARM PANEL CONTROL CIRCUITS. SIZE PER NEC A314.
29. NEW CONDUIT PATHWAY FOR REROUTED CONTROL CIRCUITS. RUN WITHIN NEW DUCT BANK PARALLEL TO NEW TECHNOLOGY CONDUITS. PROVIDE 32-#18 AWG CONDUCTORS (ACTIVE) AND 4-#18 AWG CONDUCTORS (SPARE) IN 1"C.



N 2 PLAN

SECOND FLOOR PLAN - POWER

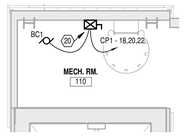
Scale: 1/8" = 1'-0"



N 3 PLAN

FIRST FLOOR PLAN - POWER

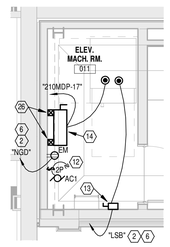
Scale: 1/8" = 1'-0"



N 5 PLAN

LEVEL 1 PLAN - MECH ROOM - SYSTEMS

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



N 4 PLAN

ELEVATOR MACHINE ROOM

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

FULLY SPRINKLERED

Revisions		Date
1	Addendum #4	01-27-14

CONSULTANTS:

Heapy Engineering
Mechanical Electrical Commissioning Technology
Nationally Recognized Leader in Sustainability / LEED
1400 W Dorothy Lane, Dayton OH 45409-1310
Ph: 937-224-0861 Fax: 937-224-5777 www.heapy.com
PROJECT NO.: 2012-04016 FIRM LICENSE NO.: 01528

STATE OF OHIO — GARY S. EODICE E-52755 — REGISTERED PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS
116 EAST THIRD STREET
DAYTON, OHIO 45402-2130
937 461 3290 PHONE
937 461 0260 FAX
jpa@johnpoe.com

Drawing Title: FLOOR PLANS - POWER

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MSG | Drawn: JAS

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: EP101

Dwg. 60 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs