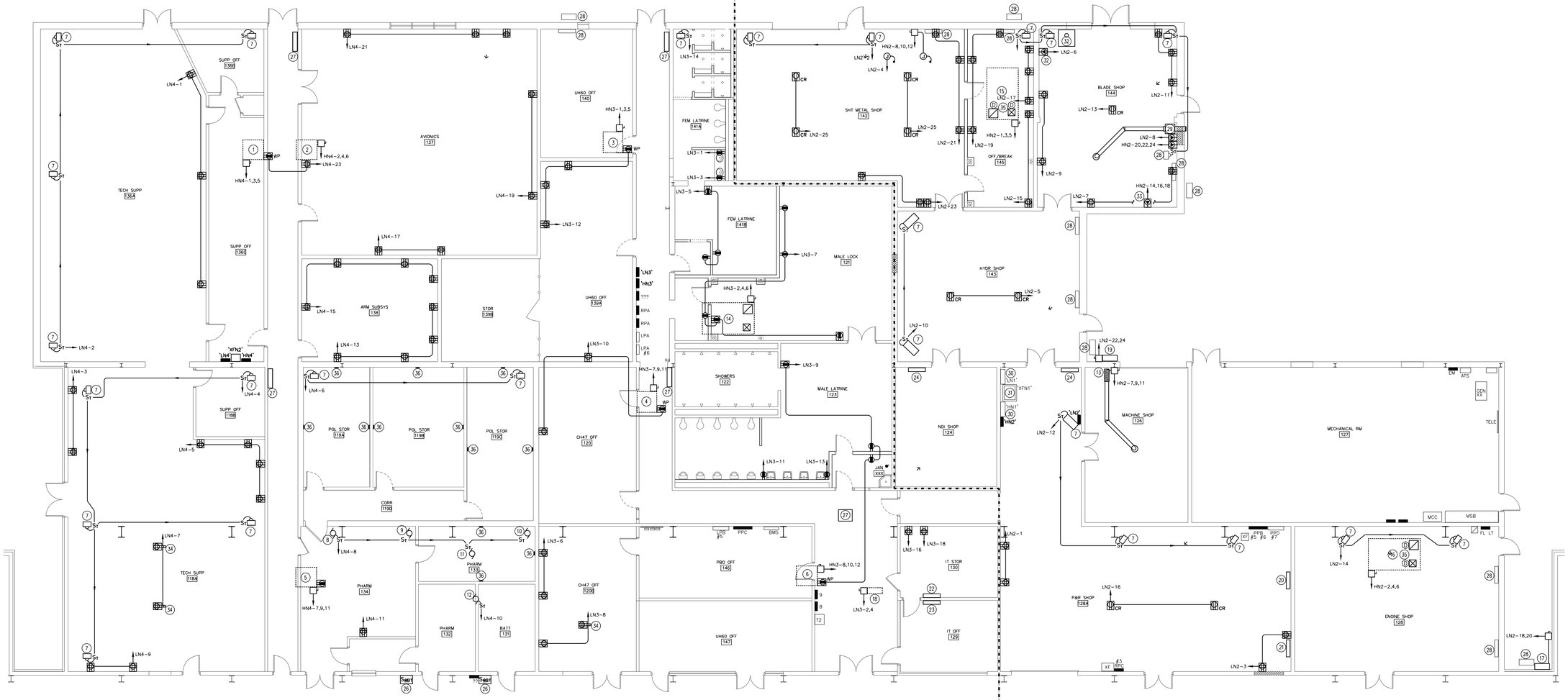
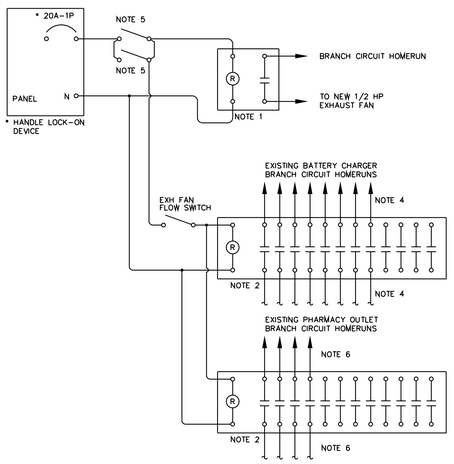


BB2 NORTH POWER PLAN

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



EXHAUST FAN CONTROL DIAGRAM

NO SCALE - NOTE 3

NOTES:

1. GENERAL PURPOSE POWER RELAY IN SHEET STEEL ENCLOSURE. SQUARE D # 8501-CO6-V20 & 9991-UE1 ENCLOSURE OR EQUAL.
2. MULTIPURPOSE CONTACTOR IN ENCLOSURE SQUARE D #8903-LG1200-V02 OR APPROVED EQUAL.
3. ALL TIMERS, RELAYS, AND CONTACTORS SHALL BE MOUNTED IN THE HANGER. TIMERS AT 48" TOB. RELAYS/CONTACTORS AT 84" AFF MIN. ALL CIRCUITING SHALL TRANSITION TO CLASS 1 DIV2 CIRCUITING METHODS PRIOR TO ENTRY INTO CLASSIFIED SPACE.
4. THE EXISTING BATTERY CHARGER CIRCUITS SHALL BE INTERCEPTED EXTERIOR TO THE CLASSIFIED SPACE AND EXTENDED TO CONTACTOR EXTERIOR TO SPACE. THE CIRCUIT SHALL THEN BE EXTENDED AND CONNECTED TO EXISTING CHARGER OUTLETS VIA THE LOAD TERMINALS OF CONTACTOR.
5. DIGITAL TIMER SHALL BE INTERMATIC #EI215W OR APPROVED EQUAL, 5 PRESETS, NO HOLD. PROVIDE ONE OUTSIDE OF PHARMACY AND ONE OUTSIDE OF BATTERY CHARGING ROOM.
6. THE EXISTING PHARMACY OUTLET CIRCUITS SHALL BE INTERCEPTED EXTERIOR TO THE CLASSIFIED SPACE AND EXTENDED TO CONTACTOR EXTERIOR TO SPACE. THE CIRCUIT SHALL THEN BE EXTENDED AND CONNECTED TO EXISTING OUTLETS VIA THE LOAD TERMINALS OF CONTACTOR.

POWER PLAN NOTES:

1. RTU-17 BY H.C., 480V-3ø, 7.0 FLA, 8.8 MCA, PROVIDE 30A-3P WP FDS MOUNTED ADJACENT TO UNIT ON ROOF, FUSE AT 15A.
2. RTU-18 BY H.C., 480V-3ø, 9.6 FLA, 12.0 MCA, PROVIDE 30A-3P WP FDS MOUNTED ADJACENT TO UNIT ON ROOF, FUSE AT 20A.
3. RTU-19 BY H.C., 480V-3ø, 9.6 FLA, 12.0 MCA, PROVIDE 30A-3P WP FDS MOUNTED ADJACENT TO UNIT ON ROOF, FUSE AT 20A.
4. RTU-20 BY H.C., 480V-3ø, 7.0 FLA, 8.8 MCA, PROVIDE 30A-3P WP FDS MOUNTED ADJACENT TO UNIT ON ROOF, FUSE AT 15A.
5. RTU-21 BY H.C., 480V-3ø, 7.0 FLA, 8.8 MCA, PROVIDE 30A-3P WP FDS MOUNTED ADJACENT TO UNIT ON ROOF, FUSE AT 15A.
6. RTU-22 BY H.C., 480V-3ø, 7.0 FLA, 8.8 MCA, PROVIDE 30A-3P WP FDS MOUNTED ADJACENT TO UNIT ON ROOF, FUSE AT 15A.
7. UH-1 THRU UH-24 BY H.C., 120V-1ø, 1/12 HP, 0.5A, PROVIDE THERMALLY PROTECTED SNAP SWITCH ADJACENT TO UNIT AS DISCONNECTING MEANS. EXTEND AND CONNECT TO EXISTING CIRCUIT MADE SPARE BY DEMOLITION.
8. EF-1 BY H.C., 120V-1ø, 1/12 HP, 0.5A, PROVIDE THERMALLY PROTECTED SNAP SWITCH ADJACENT TO UNIT AS DISCONNECTING MEANS.
9. EF-2 BY H.C., 120V-1ø, 1/12 HP, 0.5A, PROVIDE THERMALLY PROTECTED SNAP SWITCH ADJACENT TO UNIT AS DISCONNECTING MEANS.
10. EF-3 BY H.C., 120V-1ø, 1/12 HP, 0.5A, PROVIDE THERMALLY PROTECTED SNAP SWITCH ADJACENT TO UNIT AS DISCONNECTING MEANS.
11. EF-4 BY H.C., 120V-1ø, 1/12 HP, 0.5A, PROVIDE THERMALLY PROTECTED SNAP SWITCH ADJACENT TO UNIT AS DISCONNECTING MEANS.
12. EF-5 BY H.C., 120V-1ø, 1/2 HP, 9.8A, PROVIDE THERMALLY PROTECTED SNAP SWITCH ADJACENT TO UNIT AS DISCONNECTING MEANS. SEE DETAIL THIS DWG.
13. LEV-1 BY H.C., 480V-3ø, 3 HP, 9.8A, PROVIDE 30A-3P FDS, FUSE AT 15A.
14. ERV-1 BY H.C., 480V-3ø, 8.2A, PROVIDE 30A-3P WP FDS MOUNTED ADJACENT TO UNIT ON ROOF, FUSE AT 15A.
15. ERV-2 BY H.C., 480V-3ø, 8.2A, PROVIDE 30A-3P WP FDS MOUNTED ADJACENT TO UNIT ON ROOF, FUSE AT 15A.
16. ERV-3 BY H.C., 480V-3ø, 8.2A, PROVIDE 30A-3P WP FDS MOUNTED ADJACENT TO UNIT ON ROOF, FUSE AT 15A.
17. CU-1 BY H.C., 208V-1ø, 19.2A, 24.0MCA, PROVIDE 30A-3P WP FDS, FUSE AT 30A.
18. CU-2 BY H.C., 208V-1ø, 19.2A, 24.0MCA, PROVIDE 30A-3P WP FDS, FUSE AT 30A.
19. CU-3 BY H.C., 208V-1ø, 19.2A, 24.0MCA, PROVIDE 30A-3P WP FDS, FUSE AT 30A.
20. FC-1 BY H.C., 208V-1ø, 1.0A. H.C. SHALL ELECTRICALLY FEED VIA LINESET CABLE TO CU-1.
21. FC-2 BY H.C., 208V-1ø, 1.0A. H.C. SHALL ELECTRICALLY FEED VIA LINESET CABLE TO CU-1.
22. FC-3 BY H.C., 208V-1ø, 1.0A. H.C. SHALL ELECTRICALLY FEED VIA LINESET CABLE TO CU-2.
23. FC-4 BY H.C., 208V-1ø, 1.0A. H.C. SHALL ELECTRICALLY FEED VIA LINESET CABLE TO CU-2.

POWER PLAN NOTES:

24. FC-5 BY H.C., 208V-1ø, 1.0A. H.C. SHALL ELECTRICALLY FEED VIA LINESET CABLE TO CU-3.
25. FC-6 BY H.C., 208V-1ø, 1.0A. H.C. SHALL ELECTRICALLY FEED VIA LINESET CABLE TO CU-3.
26. ELECTRONIC WALL BOX TIMER FOR EXHAUST FAN CONTROL, SEE DETAIL THIS DWG.
27. CABINET UNIT HEATER TO BE REPLACED BY H.C.
28. EXISTING MECHANICAL EQUIPMENT TO REMAIN.
29. LEV-2 BY H.C., 120V-1ø, 5.4A, PROVIDE SPECIAL PURPOSE RECEPTACLE TO MACH PLUG CONFIGURATION. VERIFY WITH EQUIPMENT.
30. EXISTING PANEL TO BE REMOVED AND REMOUNTED TO WALL SUCH THAT THE BOTTOM OF THE PANELBOARD IS 18" AFF, BUT THE MAIN CB HANDLE SHALL NOT EXCEED 79" AFF. RE-WORK MAIN FEEDER AND BRANCH CIRCUITS AS NECESSARY FOR CODE COMPLIANCE AND RE-TERMINATE AS NECESSARY.
31. EXISTING TRANSFORMER TO BE REMOVED AND REMOUNTED TO PAD SUCH THAT THE BOTTOM OF THE TRANSFORMER HOUSING IS 18" AFF. PROVIDE ANGLE IRON, WELDED (AND PAINTED) FRAME ~12" HIGH AND RE-ATTACH TO EXISTING PAD HARDWARE. PROVIDE BOLTS AND HARDWARE TO RE-ATTACH TRANSFORMER TO NEW ANGLE IRON FRAME. RE-WORK PRIMARY AND SECONDARY FEEDERS AS NECESSARY FORE CODE COMPLIANCE AND RE-TERMINATE AS NECESSARY.
32. SPRAY BOOTH BY H.C., 120V-1ø, 1/3 HP, 7.2A, PROVIDE SPECIAL PURPOSE RECEPTACLE TO MATCH EQUIPMENT CONFIGURATION.
33. DOWN DRAFT TABLE, 480V-3ø, 10A, PROVIDE SPECIAL PURPOSE RECEPTACLE TO MATCH EXISTING EQUIPMENT CONFIGURATION.
34. TWO CHANNEL ALUMINUM POWER POLE (10'), PROVIDE OUTLETS IN ONE CHANNEL AND DATA OUTLETS IN OTHER. PROVIDE ALL NECESSARY MOUNTING HARDWARE AND SUPPORTS AS NECESSARY.
35. PROVIDE DUCT DETECTOR INTERCONNECTION WITH EXISTING HONEYWELL FIRE ALARM SYSTEM. PROVIDE AT LEAST (1) 1" CONDUIT AND APPROVED FIRE ALARM CABLE TO PANEL ON OTHER SIDE OF HANGER. SEE RISER DIAGRAM. PROVIDE ANY FIRE ALARM SYSTEM INTEGRATION, PROGRAMMING, AND/OR MANUFACTURER'S REP AS NECESSARY.
36. PROVIDE 2"x8"x1/4" CU GROUND BAR, PREDRILLED AND INSULATED FROM WALL. PROVIDE #2 CU INSULATED GROUND CONDUCTOR TO EACH BAR CONNECTED TO BUILDING STEEL. PROVIDE ALL TERMINATIONS AS NECESSARY.

NO.	DESCRIPTION	DATE
	REVISIONS	

Professional's Signature Date

COMMONWEALTH OF PENNSYLVANIA
DEPT. OF MILITARY & VETERAN'S AFFAIRS
ANNVILLE, PENNSYLVANIA 17003

DESIGN PROFESSIONALS:
OFFICE OF FACILITIES AND ENGINEERING
BUREAU OF DESIGN AND PROJECT MANAGEMENT
BLDG. 0-10, FORT INDIANTOWN GAP
ANNVILLE, LEBANON COUNTY, PENNSYLVANIA

PROJECT NO.: 42190080

19-101 HVAC/LED UPGRADES "NORTH"
AREA 19 - FORT INDIANTOWN GAP
ANNVILLE, LEBANON COUNTY, PENNSYLVANIA

BB2 POWER PLAN

VERIFY SCALE

BAR IS ONE (1) INCH LONG ON ORIGINAL DRAWING:
0 1
IF BAR IS NOT ONE (1) INCH LONG, ADJUST SCALE ACCORDINGLY

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS. VARIANCE FROM CONTRACT DOCUMENTS NOT PERMITTED WITHOUT BUREAU OF ENGINEERING AND ARCHITECTURE APPROVAL.

DRAWN BY	DATE	DRAWING NO.
B. BARGER	14 OCT 2022	E.2.2
CHECKED BY	SCALE	
D. HEALEY	AS NOTED	