



ADDENDUM NO. 2 TO PROJECT NO. 42070

ELECTRICAL WORK

**PROVIDE ELECTRICAL UPGRADE
MAIN COMPLEX AND BUILDING NO. 13
FISHKILL CORRECTIONAL FACILITY
PROSPECT STREET
BEACON, NEW YORK**

March 21, 2013

<p>NOTE: This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.</p>
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ELECTRICAL WORK DRAWINGS:

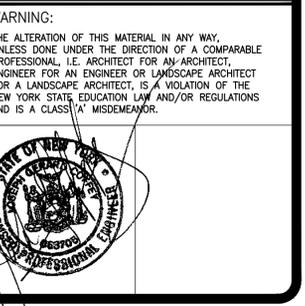
1. Drawing No. E-13-B-C:
 - a. Replace drawing "E-13-B-C" with "E-13-B-C" addenda No. 2 drawing dated 3/20/2013. Additional work added.
2. Drawing No. E-13-R:
 - a. Replace drawing "E-13-R" with "E-13-R" addenda No. 2 drawing dated 3/20/2013. Additional work added.
3. Drawing No. E-2-B-A:
 - a. Change size of power panel DP-1 from 225 amp to 400 amp.
4. Drawing No. E-2-2-A:
 - a. Delete from note "2" C, 4 #2/0" for power panel LP-23.
 - b. Delete from note "2-1/2" C, 4 #1/0" for power panel LP-25.
5. Drawing No. E-2-B-B:
 - a. Change Existing Conduit size from, 1-1/4" to 2-1/2" Conduit for note on Section B-B riser to LP-B2.
 - b. Change Existing Conduit size from, 1-1/4" to 2-1/2" Conduit for note on Section A-A riser to LP-B2.
6. Drawing No. E-2-R:
 - a. Change Conductors from 4#2/0 & #6 GND to 4#4/0 & #2 GND for conductors from DP-1 to LP-B2.
 - b. Change conductors to panels LP-23 and LP-25 to 4#2 & 1 #6 GND.
 - c. Change conductors to panel LP-5A (AP-5A) to 4#1/0 & 1#6 GND.
 - d. Delete note "Existing 2-1/2C with New 4#2/0 & 1#6 GND" and leader above
7. Drawing No. E-2-S:

- a. Delete MLO from power panels DP-1 and LP-D2.
- b. Change 150 amp breaker to 100 amp for LP-25 with 2A on power panel schedule for power panel DP-1.
8. Drawing No. E-3-1-0:
 - a. Power panel 217 is approximately 100 feet from AP-8A.
9. Drawing No. E-4-B-A:
 - a. Change Note for LPB-1 to Provide and install conduit with 4#4/0 & 1#2 GND in
 - b. Delete note "Existing 2-1/2" C. with 4#4/0 1#6 GND near panel LP1-1.
 - c. Provide panel KP1-19 on right side of existing KP1-19.
10. Drawing No. E-4-R:
 - a. Delete Note #2 from Existing 3-1/2" C with new 4#500 KCMIL & 1#3 GND.
(Near Service Entrance)
11. Drawing No. E-4-S:
 - a. Delete MLO from power panel MDP.
 - b. Change panel schedule name from KP1-9 to KP1-19.
 - c. Change panel schedule name from AP-16A to LP-16A.
12. Drawing No. E-4A-2-0:
 - a. Distance between LP-1 and LP-2 is approximately 100 feet.
 - b. Change panel schedule name from KP1-9 to KP1-19.
13. Drawing No. E-5-R:
 - a. Distance between LPB-11 and KE-1 is approximately 100 feet.
 - b. Distance between LPB-5 and KE-2 is approximately 100 feet.
14. Drawing No. E-6-1-0:
 - a. Distance between AP-7A and DB 217 is approximately 100 feet.
15. Drawing No. E-7-3-0:
 - a. Change Power Panel label on note from LP-3-1 to LP1-3.
16. Drawing No. E-7-R:
 - a. Change feeder for panel LP-2-73 and AP-9A to "Existing 1-1/2" C w/new 4#2 & 1#6 GND , Note #3".
17. Drawing No. E-7-S:
 - a. Delete MLO from power panel LP-D3.
 - b. Change 150 amp circuit breakers from 150 amp to 100 amps for power panel AP-9A and AP-3A in power panel LP-D3.
18. Drawing No. E-7A-2-0:
 - a. Change nomenclature of 225 amp power panel to 100 amp power panel on detail for room 2-11.
19. Drawing No. E-8-1-0:
 - a. Add note "Provide 4#4/0 & 1#2 GND in 2-1/2" Conduit" approximately 70 feet down to basement 8 existing power panel for Power Panel LP-1 and delete note 2-1/2" C w new 4#3/0, 1#6 GND.
 - b. Add note "Provide 4#4/0 & 1#2 GND in 2-1/2" Conduit" approximately 70 feet down to basement 8 existing power panel for Power Panel LP-2 and delete note 1-1/2" C w new 4#1/0, 1#6 GND.
 - c. Add note "4#4/0 & 1#2 GND in 2-1/2" Conduit" for no. 3 section from existing 225A DS to power panel LP-12.
20. Drawing No. E-8-S-0:
 - a. Change wire size and conduit between New panel LP-14 to LP-13 to 4#4/0

- & 1#2 GND in 2-1/2".
21. Drawing No. E-13-B-A:
 - a. Change wire size and conduit between to power panel LP-B-95 to Existing 2-1/2" Conduit with new 4#4/0 & 1#2 GND from Panel DB in basement electrical room.
 22. Drawing No. E-13-2-C:
 - a. Change Power Panel LP-2-1-00 from 225 amp to 100 amp.
 23. Drawing No. E-13-R:
 - a. Delete PP-B1 and PP-B1 from second floor with no conduit going to it.
 - b. Change conductors for LP-B5 from DB Main from 4#3/0 & 1#6 GND to 4#4/0 & 1#2 GND in existing 2-1/2" conduit.
 - c. Change conductors for LP-B3 from DB Main from 4#3/0 & 1#6 GND to 4#4/0 & 1#2 GND in existing 2-1/2" conduit.
 - d. Change conductors for LP-B2 from DB Main from 4#3/0 & 1#6 GND to 4#4/0 & 1#2 GND in existing 2-1/2" conduit.
 - e. Change conductors for DB-1 from DB Main from 4#3/0 & 1#6 GND to 4#4/0 & 1#2 GND in existing 2-1/2" conduit.
 - f. Change conductors for PP-B1 from DB Main from 4#3/0 & 1#6 GND to 4#4/0 & 1#2 GND in existing 2-1/2" conduit.
 - g. Change conductors for PP-BB from DB Main from 4#3/0 & 1#6 GND to 4#4/0 &
1#2 GND in existing 2-1/2" conduit.
 - h. Change conductors for LP-B-95 from DB Main from 4#3/0 & 1#6 GND to 4#4/0 & 1#2 GND in existing 2-1/2" conduit.
 - i. Add conductors for DB-3 from DB Main as 4#4/0 & 1#2 GND in existing 2-1/2"C.
 24. Drawing No. E-13-S1:
 - a. Change all power panel schedules from 225 amp rated and 225 amp main circuit breaker to 100 amp rated and 100 amp main circuit breaker.
 25. Drawing No. E-13-S2:
 - a. Change all power panel schedules from 225 amp rated and main circuit breaker to 100 amp rated and main circuit breaker of 100 amps EXCEPT LP-B5, and LP-B3. (These two are to remain as 225 amp rated and 225 amp main circuit breaker))

END OF ADDENDUM

James Dirolf, P.E.
Director of Design



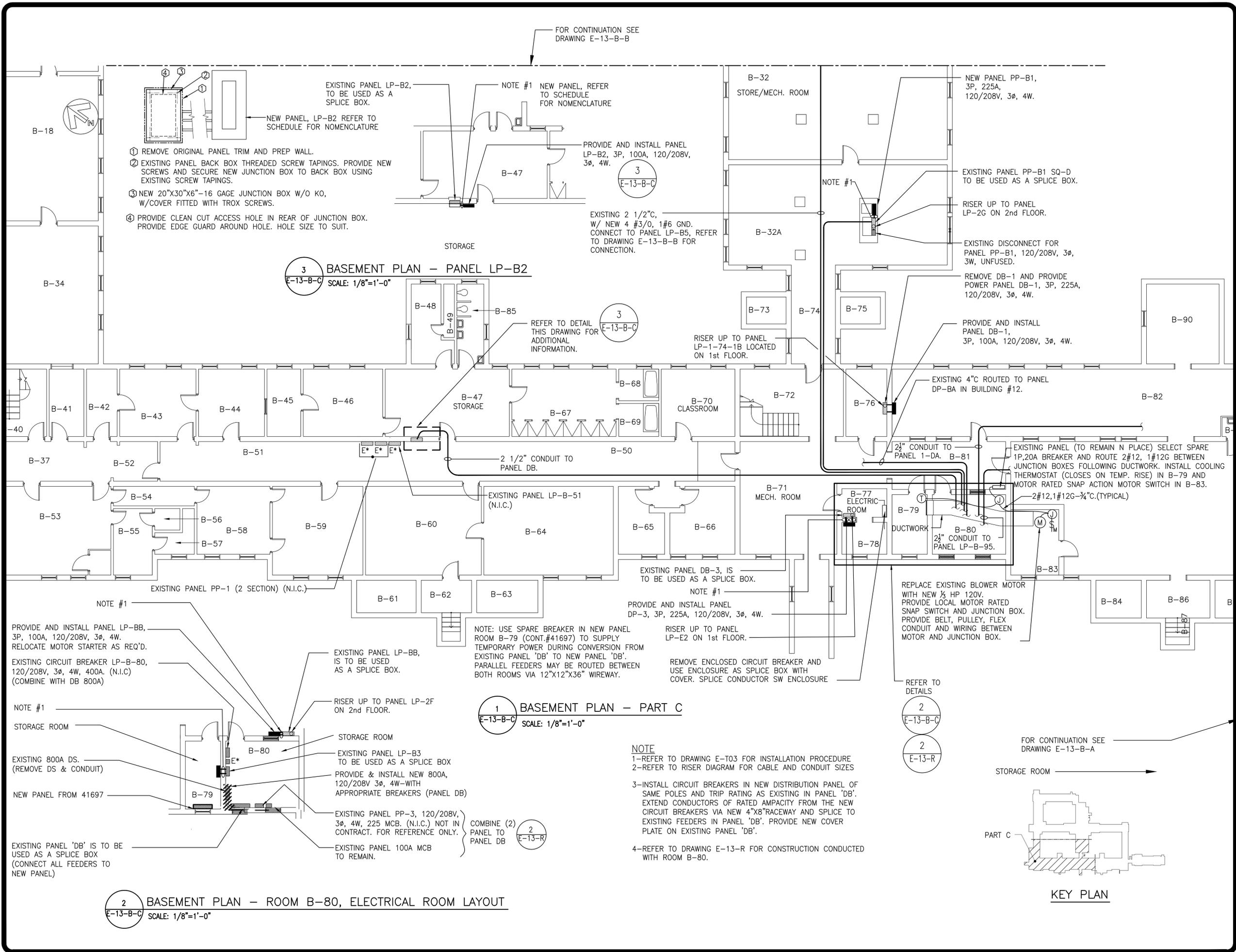
CONTRACT: **ELECTRICAL**

TITLE: **ELECTRICAL UPGRADE
MAIN COMPLEX & BUILDING No. 13**

LOCATION: **FISHKILL CORRECTIONAL FACILITY
PROSPECT STREET
BEACON, NY 12508**

CLIENT: **NYS DEPARTMENT OF CORRECTIONS
AND COMMUNITY SUPERVISION**

MARK	DATE	DESCRIPTION
	3/20/2013	ADDENDA NO. 2
0	01/29/13	FINAL SUBMISSION
PROJECT NUMBER: 42070 - E		
DESIGNED BY:		FW
DRAWN BY:		PL
FIELD CHECK:		SC
APPROVED:		PR
SHEET TITLE: BUILDING 13 BASEMENT PLAN PART C		
DRAWING NUMBER: E-13-B-C		
SHEET 55 OF 61		



WARNING:
THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS 'A' MISDEMEANOR.



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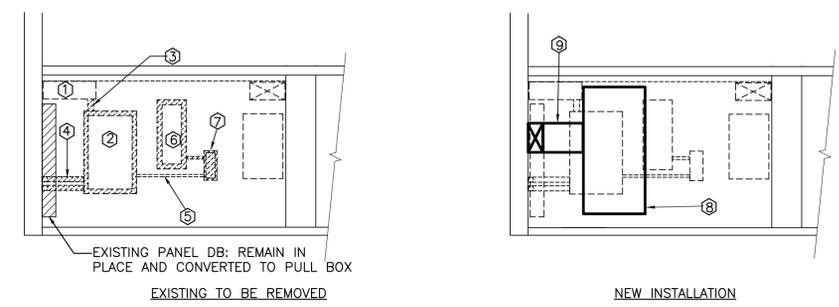
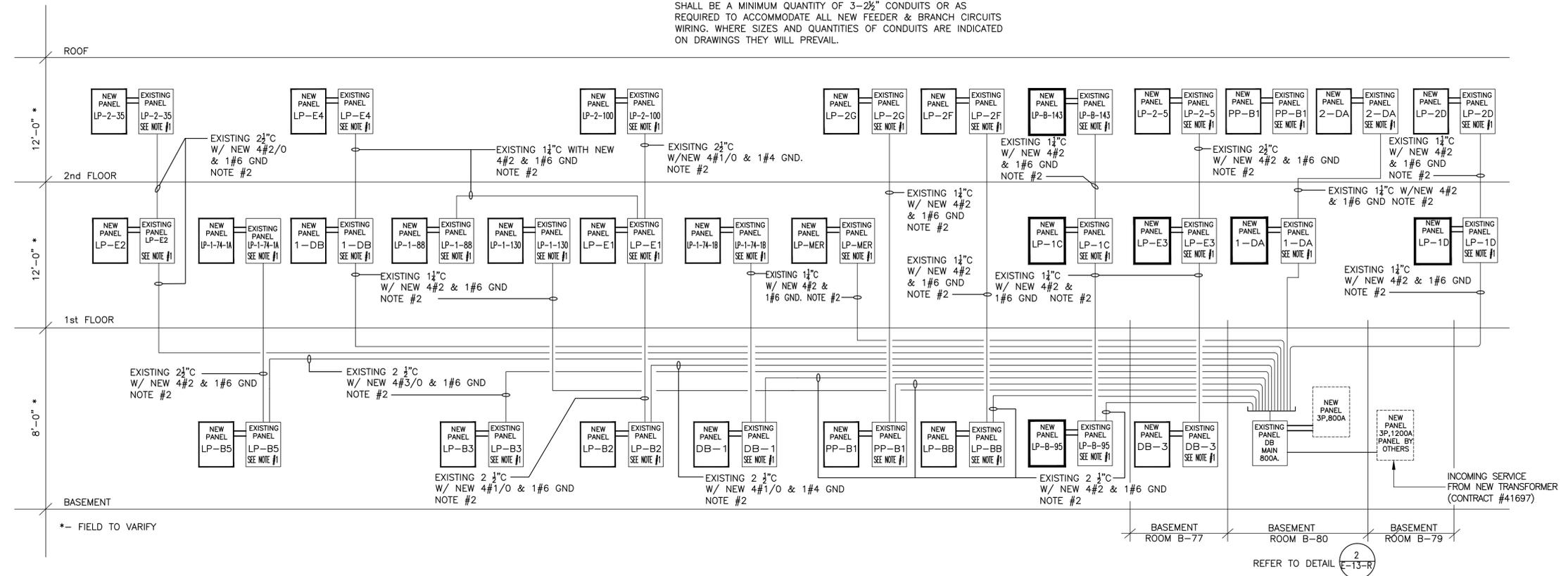
BUILDING 13
RISER DIAGRAM

DRAWING NUMBER:

E-13-R

SHEET OF 61

NOTE
1-REFER TO DRAWING E-T03 FOR INSTALLATION PROCEDURE
2-CONDUCTORS SHALL BE REMOVED FROM EXISTING CONDUIT, LEAVING CONDUIT IN PLACE. NEW CONDUCTORS INSTALLED AFTER CONDUIT IS PREPPED. WIRE SIZES AS INDICATED.
3-PROVIDE NEW CONDUIT BETWEEN THE OLD & NEW PANELS. THEY SHALL BE A MINIMUM QUANTITY OF 3-2 1/2" CONDUITS OR AS REQUIRED TO ACCOMMODATE ALL NEW FEEDER & BRANCH CIRCUITS WIRING. WHERE SIZES AND QUANTITIES OF CONDUITS ARE INDICATED ON DRAWINGS THEY WILL PREVAIL.



- ① 12"x36" TROUGH (REMAIN IN PLACE)
- ② 3P, 800 AMP FUSIBLE DISCONNECT SWITCH TO BE REMOVED.
- ③ NIPPLES WITH INTERCONNECTING WIRING BETWEEN MAIN SERVICE BOARD IN ROOM B-79 AND 3P, 800 AMP DISCONNECT SWITCH. WIRING TO BE REUSED IN INSTALLATION OF NEW 3P, 800 AMP PANEL "DB".
- ④ WIRE AND CONDUIT ROUTED BETWEEN DISCONNECT SWITCH AND PANEL "DB" TO BE REMOVED
- ⑤ FEEDER TO PANEL DP-3 TO BE TEMPORARILY RE-CIRCUITED TO AN EXISTING SOURCE.
- ⑥ PANEL DP-3 (HOLD)
- ⑦ 3P, 100 AMP FUSIBLE DISCONNECT SWITCH.
- ⑧ NEW 3P, 800 AMP, DISTRIBUTION PANEL TO ACCEPT CIRCUITRY FROM EXISTING PANEL "DB". NEW PANEL SHALL BE LABELED "DB" EXISTING PANEL CONVERTED TO PULL BOX AND BE DECOMMISSIONED.
- ⑨ NEW WIREWAY (TROUGH) INTERCONNECTING EXISTING PANEL "DB" WITH NEW DISTRIBUTION PANEL "DB".

2 BUILDING 13-POWER ROOM #80
E-13-R NOT TO SCALE

1 BUILDING 13 - RISER DIAGRAM
E-13-R NOT TO SCALE

KEY PLAN