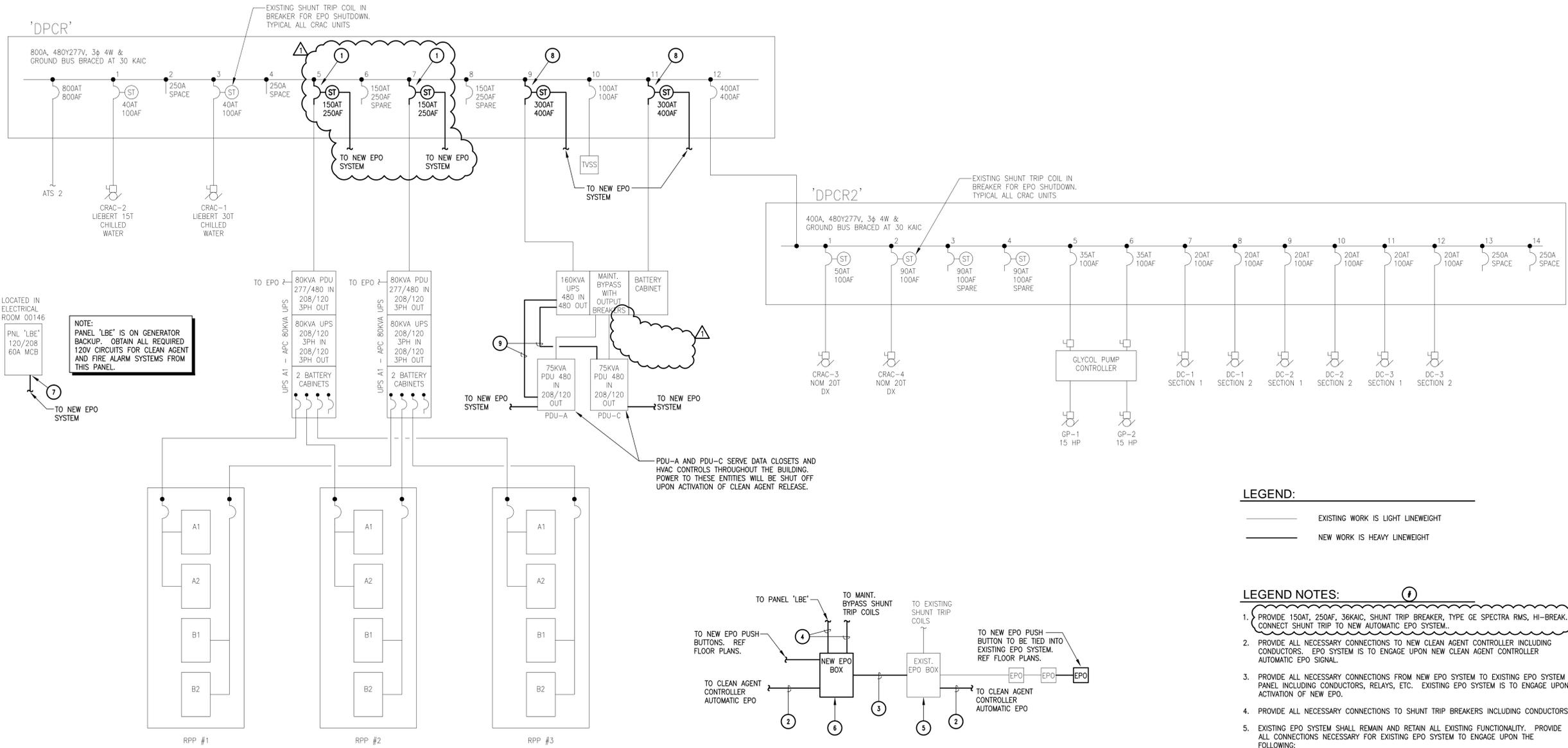


Revision No.	Date	Description
1	03/10/2016	ADDENDUM #1



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Sheet Title:	ELECTRICAL RISER
3.01	Sheet Number



NOTE:
PANEL 'LBE' IS ON GENERATOR BACKUP. OBTAIN ALL REQUIRED 120V CIRCUITS FOR CLEAN AGENT AND FIRE ALARM SYSTEMS FROM THIS PANEL.

PDU-A AND PDU-C SERVE DATA CLOSETS AND HVAC CONTROLS THROUGHOUT THE BUILDING. POWER TO THESE ENTITIES WILL BE SHUT OFF UPON ACTIVATION OF CLEAN AGENT RELEASE.

NEW EPO SYSTEM IS FOR THE UPS SYSTEM FEEDING EQUIPMENT OUTSIDE OF THE SERVER ROOM AND UPS ROOM

LEGEND:
— EXISTING WORK IS LIGHT LINEWEIGHT
— NEW WORK IS HEAVY LINEWEIGHT

- LEGEND NOTES:**
- PROVIDE 150AT, 250AF, 36KAIC, SHUNT TRIP BREAKER, TYPE GE SPECTRA RMS, HI-BREAK. CONNECT SHUNT TRIP TO NEW AUTOMATIC EPO SYSTEM.
 - PROVIDE ALL NECESSARY CONNECTIONS TO NEW CLEAN AGENT CONTROLLER INCLUDING CONDUCTORS. EPO SYSTEM IS TO ENGAGE UPON NEW CLEAN AGENT CONTROLLER AUTOMATIC EPO SIGNAL.
 - PROVIDE ALL NECESSARY CONNECTIONS FROM NEW EPO SYSTEM TO EXISTING EPO SYSTEM PANEL INCLUDING CONDUCTORS, RELAYS, ETC. EXISTING EPO SYSTEM IS TO ENGAGE UPON ACTIVATION OF NEW EPO.
 - PROVIDE ALL NECESSARY CONNECTIONS TO SHUNT TRIP BREAKERS INCLUDING CONDUCTORS.
 - EXISTING EPO SYSTEM SHALL REMAIN AND RETAIN ALL EXISTING FUNCTIONALITY. PROVIDE ALL CONNECTIONS NECESSARY FOR EXISTING EPO SYSTEM TO ENGAGE UPON THE FOLLOWING:
 - NEW EPO SYSTEM ENGAGING
 - NEW CLEAN AGENT CONTROLLER AUTOMATIC EPO SIGNAL
 - EPO BOX FOR EPO SYSTEM EQUAL TO FIKE EMERGENCY POWER SHUTDOWN MANAGEMENT SYSTEM MODEL 20-1399. COORDINATE ALL REQUIREMENTS AND OPTIONS WITH OWNER. PROVIDE ALL INPUT CONNECTIONS TO POWER PANEL, EPO BUTTON, CLEAN AGENT CONTROL PANEL, BUILDING FIRE ALARM SYSTEM, MAINTENANCE OVERRIDE BEACON, AND OUTSIDE MONITORING AS REQUIRED. PROVIDE ALL OUTPUT CONNECTIONS TO SHUNT TRIP BREAKERS NOTED. REFER TO MANUFACTURER WIRING DIAGRAMS AND SPECIFICATIONS. REFERENCE SPECIFICATIONS. NEW EPO SYSTEM IS TO ENGAGE UPON NEW CLEAN AGENT CONTROLLER AUTOMATIC EPO SIGNAL.
 - PROVIDE 20A, 10KAIC, SHUNT TRIP BREAKERS IN EXISTING PANEL 'LBE' FOR CIRCUITS FEEDING NEW DAMPERS IN EPO ZONES. CONNECT SHUNT TRIP TO NEW AUTOMATIC EPO SYSTEM.
 - PROVIDE 300AT, 400AF, 36KAIC, SHUNT TRIP BREAKER, TYPE GE SPECTRA RMS, HI-BREAK. CONNECT SHUNT TRIP TO NEW AUTOMATIC EPO SYSTEM.
 - PROVIDE ALL REQUIRED CONNECTIONS TO EPO BOARD ON PDU CABINET AND EPO BOARD ON UPS CABINET. COORDINATE WITH MANUFACTURER'S (APC) REP FOR ALL REQUIREMENTS.

01 RISER DIAGRAM
NO SCALE