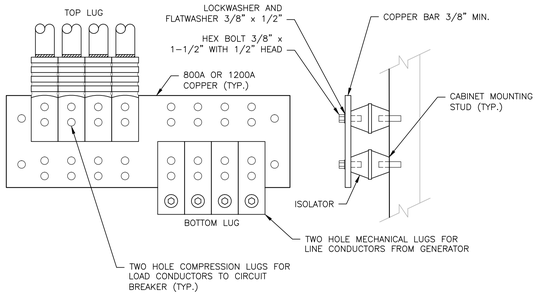
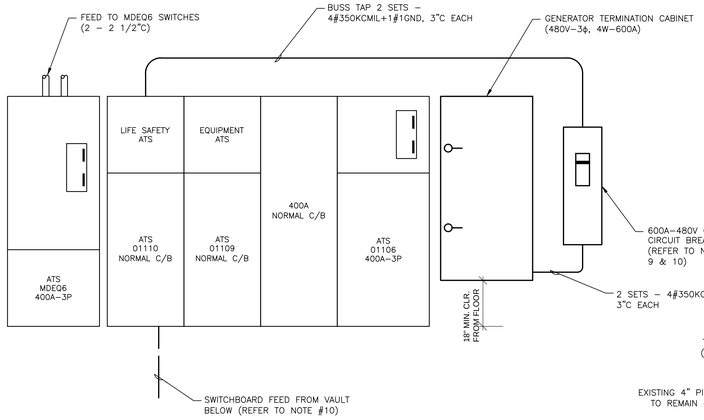


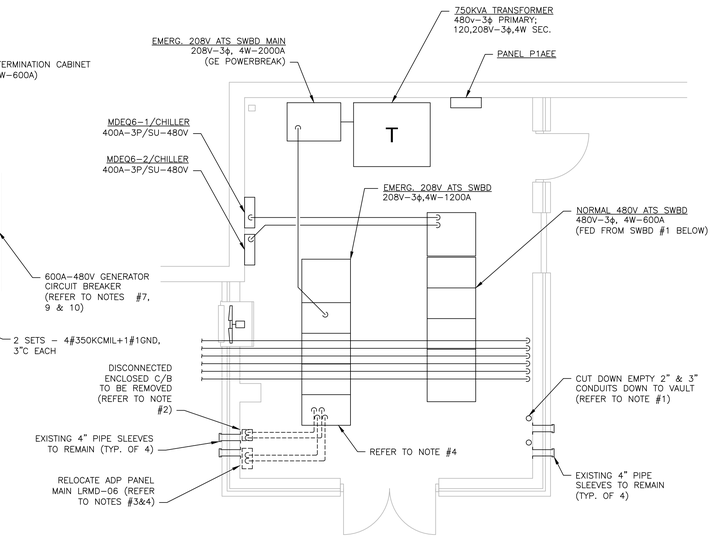

## 5 NEW GENERATOR TERMINATION CABINET - BUS DETAIL

N.T.S.




## 3 NORMAL 480V ATS SWITCHBOARD MODIFICATIONS

N.T.S.

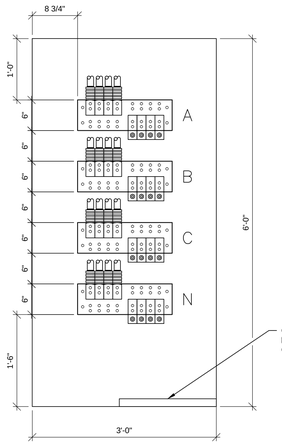



## 1 PARTIAL FLOOR PLAN - EXISTING

Scale: 1/4" = 1'–0"

NOTES:

1. CUT CONDUITS AT 4" ABOVE FLOOR LEVEL AND CAP FOR FUTURE USE.
2. REMOVE EXISTING CIRCUIT BREAKER AND RELATED CONDUIT BACK TO SWITCHBOARD.
3. RELOCATE EXISTING PANEL TO ADJACENT WALL AND REWORK EXISTING FEEDER AS REQUIRED BY RELOCATION. FEEDER IS TAPPED TO SWITCHBOARD MAIN BUSS AND WILL REQUIRE A SWITCHBOARD SHUTDOWN FOR THIS WORK.
4. DURING SWITCHBOARD SHUTDOWN, REMOVE ALL ABANDONED OR INACTIVE WIRE AND TERMINATIONS IN THIS SECTION INCLUDING TAPED OFF WIRE STUBS, LUGS OR BUSS CONNECTIONS.
5. TAP EXISTING 480V PHASE AND NEUTRAL MAIN BUSS IN THIS SECTION FOR NEW 480V GENERATOR CONNECTIONS. PROVIDE TWO HOLE COMPRESSION CONNECTORS AND ALL MOUNTING HARDWARE INCLUDING "BELLEVILLE" TYPE LOCK WASHERS. GROUP AND SUPPORT EACH SET OF CONDUCTORS (ϕ + N) AWAY FROM ENERGIZED PARTS . DO NOT INSTALL NEW CONDUCTORS IN CONTACT WITH ANY EDGES OF SWITCHBOARD STRUCTURE. REMOVE ANY ABANDONED WIRE OR TERMINATIONS INCLUDING LUGS OR BUSS CONNECTIONS.
6. TAP EXISTING 208V PHASE AND NEUTRAL MAIN BUSS IN THIS SECTION FOR NEW 208V GENERATOR CONNECTION. PROVIDE TWO HOLE COMPRESSION CONNECTORS AND ALL MOUNTING HARDWARE INCLUDING "BELLEVILLE" TYPE LOCK WASHERS. GROUP AND SUPPORT EACH SET OF CONDUCTORS (ϕ + N) AWAY FROM ENERGIZED PARTS OF SWITCHBOARD. DO NOT INSTALL NEW CONDUCTORS IN CONTACT WITH ENERGIZED PARTS. DO NOT INSTALL NEW CONDUCTORS IN CONTACT WITH ENERGIED PARTS. DO NOT INSTALL NEW CONDUCTORS IN CONTACT WITH ANY EDGES OF SWITCHBOARD STRUCTURE. REMOVE AN ABANDONED WIRE OR TERMINATIONS INCLUDING LUGS OR CONNECTIONS.
7. PROVIDE 600A–3P–480V–35KAIC 100% RATED ENCLOSED CIRCUIT BREAKER IN A NEMA 1 ENCLOSURE COMPLETE WITH COMPRESSION LUGS ON LINE AND LOAD TERMINALS. PROVIDE WITH LOCKING OPTION FOR USE WITH OWNER SUPPLIED PADLOCK. CIRCUIT BREAKER SHALL BE CAPABLE OF BEING LOCKED IN THE ON OR OFF POSITION. CIRCUIT BREAKER SHALL BE A CUTLER–HAMMER TYPE CLD IN A SLDN600 ENCLOSURE OR APPROVED SIMILAR UNIT.
8. PROVIDE 1200A–3P–208V–42KAIC, 100% RATED ENCLOSED CIRCUIT BREAKER IN NEMA 1 ENCLOSURE, COMPLETE WITH COMPRESSION LUGS ON LINE AND LOAD TERMINALS. PROVIDE WITH LOCKING OPTION FOR USE WITH OWNER SUPPLIED PADLOCK. CIRCUIT BREAKER SHALL BE CAPABLE OF BEING LOCKED IN THE ON OR OFF POSITION. CIRCUIT BREAKER SHALL BE A CUTLER–HAMMER TYPE CND IN A SNDN1200 ENCLOSURE OR APPROVED SIMILAR UNIT.
9. PROVIDE SIGNAGE ON ENCLOSED CIRCUIT BREAKER ENCLOSURE WITH THE FOLLOWING: DANGER – DO NOT CLOSE THIS CIRCUIT BREAKER UNTIL SWITCHBOARD MAIN IS LOCKED OPEN AND TAGGED OUT.
10. PROVIDE KEY INTERLOCKS BETWEEN GENERATOR CIRCUIT BREAKER AND APPROPRIATE SWITCHBOARD MAIN CIRCUIT BREAKER. THE GENERATOR CIRCUIT BREAKER MUST BE LOCKED OPEN IF SWITCHBOARD MAIN IS CLOSED.

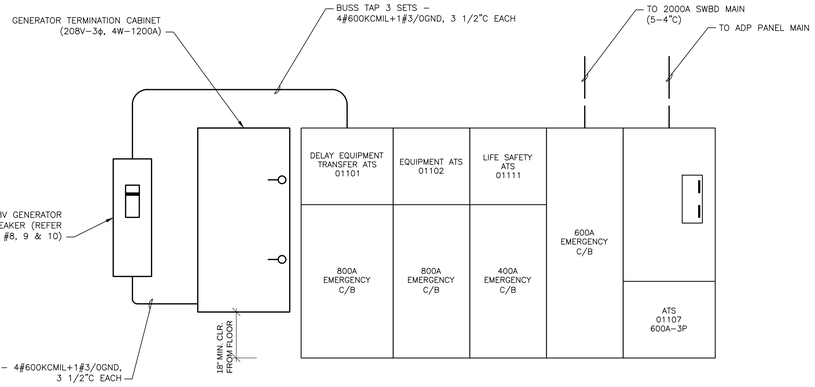



## 6 NEW GENERATOR TERMINATION CABINET

N.T.S.

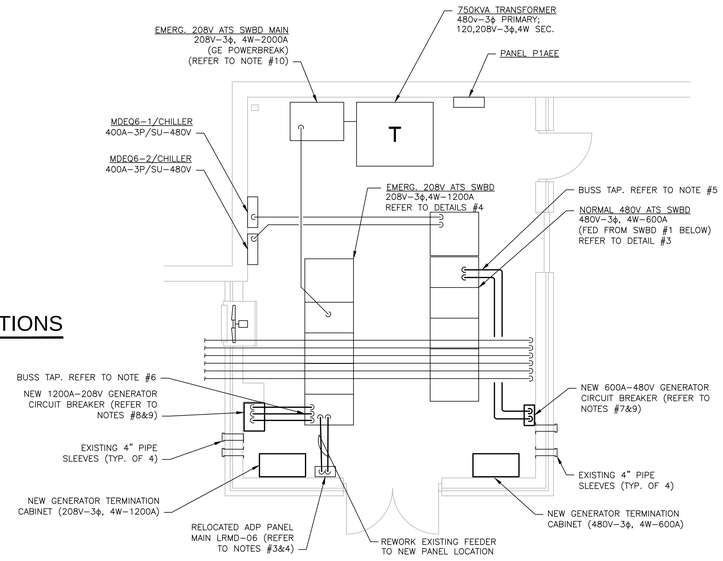
NOTES:

A. CABINET IS SIMILAR TO CUTLER–HAMMER ROLLUP GENERATOR TERMINATION BOX (800A–3ϕ, 4W–480V–35KAIC.)
B. GROUND BUS NOT SHOWN FOR CLARITY. PROVIDE GROUND BUS SIMILAR TO ϕ AND NEUTRAL BUSS AND SIZED PER ANSI STANDARD.
C. PROVIDE SIGNAGE ON CABINET DOOR WITH FOLLOWING: "DANGER – DO NOT OPEN UNTIL GENERATOR AND GENERATOR CIRCUIT BREAKERS ARE LOCKED OPEN AND TAGGED OUT."
D. PROVIDE CABINET WITH LOCKING HASP FOR USE WITH OWNER SUPPLIED PADLOCK.



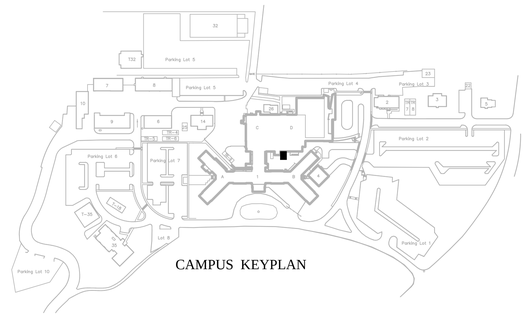

## 4 EMERGENCY 208V ATS SWITCHBOARD MODIFICATIONS

N.T.S.




## 2 PARTIAL FLOOR PLAN - PROPOSED

Scale: 1/4" = 1'–0"




CAMPUS KEYPLAN

| Issue: | | Date |
|---|---|---|
| | ISSUED FOR BID | 6/8/12 |
| | BID DOCUMENT | 6/6/12 |
| | 100% REVIEW | 3/28/12 |

SIGNATURE / PRINTED NAME / TITLE

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PROFESSIONAL SEAL

Drawing Title: **PARTIAL FLOOR PLAN ELECTRICAL**

Approved By: Safety Manager

Approved By: Project Engineer

Approved By: Chief, Facilities Management Services

Project Title: **VAMC PROVIDENCE, RI PORTABLE GENERATOR CONNECTIONS**

Location: **PROVIDENCE, RI**

Date: 06/06/2012 | Checked: **JWL** | Drawn: **WAF**

Project Number: **650-11-027**

Building Number: **-**

Drawing Number: **EP1.00**

Dwg. 1 of 1

**Office of Facilities Management**

Department of Veterans Affairs

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