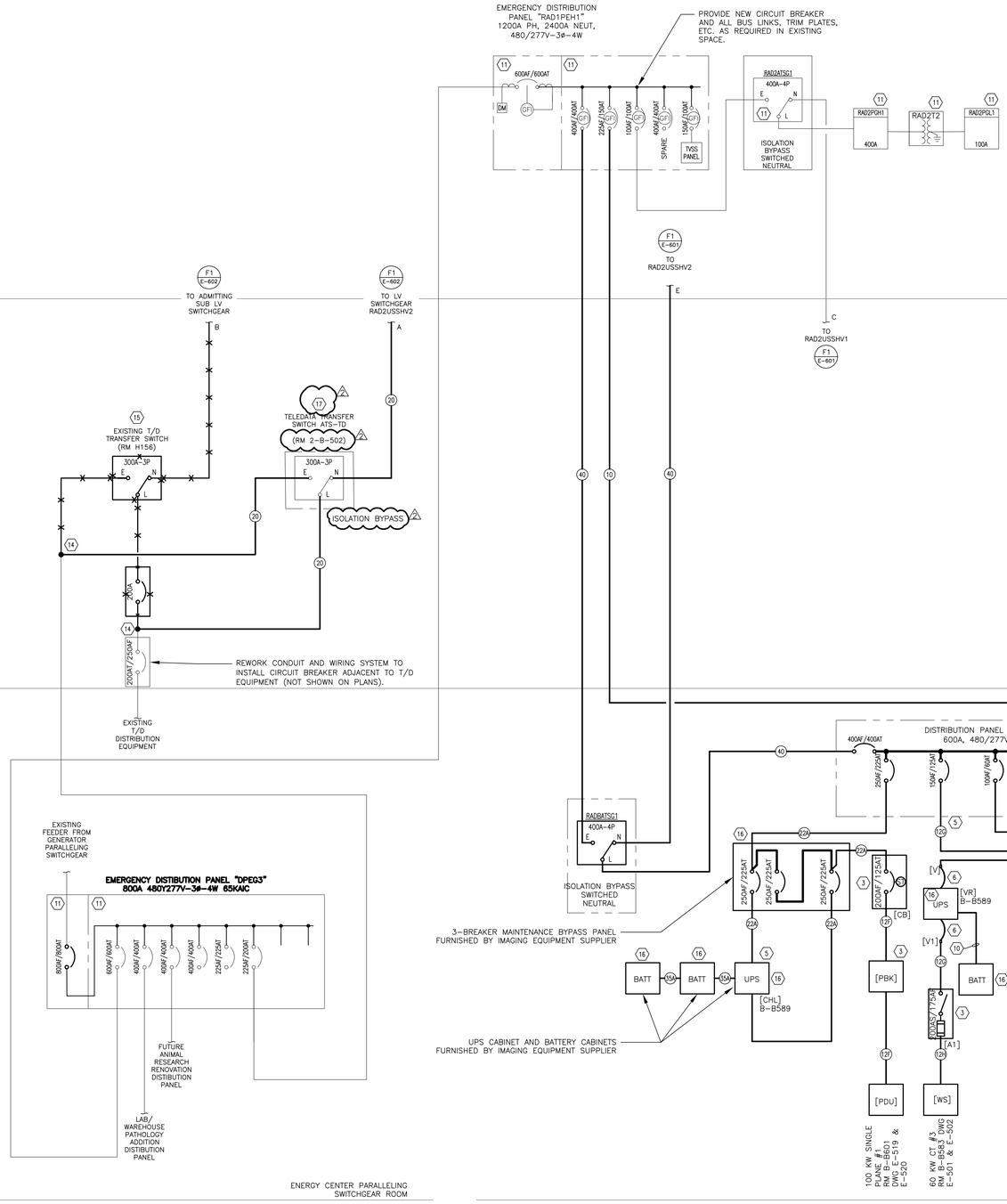

F1 EMERGENCY DISTRIBUTION SYSTEM ONE-LINE DIAGRAM
SCALE: NONE

NOTES:

General Notes

1. REFER TO DRAWING E-001 FOR SYMBOL LEGEND AND ONE-LINE DIAGRAM GENERAL NOTES.
2. REFER TO DRAWING G-002 FOR DRAWING LIST.
3. REFER TO DRAWING E-604 FOR FEEDER AND TRANSFORMER SCHEDULES.
4. EXISTING EQUIPMENT SHOWN IS BASED ON RECORD DRAWINGS AND LIMITED FIELD OBSERVATION WHERE FEASIBLE.
5. WHERE EXISTING FACILITIES ARE TO BE DEMOLISHED, TRACE OUT WIRING IN FIELD PRIOR TO DISCONNECTION AND INSURE THAT CIRCUIT DOES NOT SERVE FACILITIES THAT REMAIN IN SERVICE. OBTAIN DIRECTION FROM COTR WHERE EXISTING FACILITIES NOT SCHEDULED FOR DEMOLITION ARE ENCOUNTERED.
6. WHERE EXISTING FACILITIES ARE TO BE RECONNECTED, PROVIDE TEMPORARY CONDUCTORS OR OTHER MEANS TO LIMIT THE PERIOD OF ANY OUTAGE TO THE ABSOLUTE MINIMUM. OUTAGES SHALL BE SCHEDULED IN ADVANCE WITH THE COTR. VERIFY CONDUCTOR SIZE AND OVERCURRENT PROTECTIVE DEVICE RATING PRIOR TO INSTALLING NEW SYSTEMS.

Key Notes

1. EXISTING 4" CONDUIT TO BASEMENT ROUTED VIA ELECTRICAL CLOSETS FOR FUTURE USE.
2. KEY INTERLOCK TRANSFORMER SECONDARY MAIN BREAKERS TIE CIRCUIT BREAKER TO ALLOW NO MORE THAN TWO OF THESE CIRCUIT BREAKERS TO BE CLOSED SIMULTANEOUSLY. MODIFY EXISTING MAIN AND TIE CIRCUIT BREAKER(S) AS REQUIRED.
3. FINAL FUSE SIZE OR CIRCUIT BREAKER RATING AS DIRECTED BY IMAGING EQUIPMENT SUPPLIER.
4. REMOVE DISTRIBUTION SYSTEM EQUIPMENT AND ALL ASSOCIATED WIRING SYSTEMS AFTER LOADS HAVE BEEN CUT OVER AS SHOWN.
5. CIRCUIT BREAKER SERVING RECONNECTED EQUIPMENT. COORDINATE SETTINGS WITH CONDUCTOR AND EQUIPMENT DATA OBTAINED DURING DEMOLITION PHASE.
6. TRANSITION TO NON-CONDUCTIVE FLEXIBLE CONDUIT PRIOR TO CONNECTION PER INSTALLATION REQUIREMENTS.
7. CABLES FURNISHED AND INSTALLED BY IMAGING EQUIPMENT SUPPLIER.
8. COIL UP 8'-0" MIN. CONDUCTOR FOR CONNECTION BY IMAGING EQUIPMENT INSTALLER.
9. TRANSITION TO FLEXIBLE CONDUIT PRIOR TO CONNECTION TO UPS.
10. REFER TO IMAGING EQUIPMENT DRAWINGS FOR CONDUCTOR SIZE AND CONDUIT INFORMATION.
11. ELECTRICAL DISTRIBUTION EQUIPMENT INSTALLED UNDER PREVIOUS PHASE. PROVIDE MODIFICATIONS AS INDICATED.
12. UNIT SUBSTATION WITH MEDIUM VOLTAGE SWITCHGEAR SECTION, CAST COIL TRANSFORMER, AND LOW VOLTAGE DISTRIBUTION SECTION. REFER TO SPECIFICATIONS FOR DETAILS.
13. FEEDER TO ABANDONED LOAD. TRACE OUT AND REMOVE WIRING SYSTEM (REFER TO GENERAL NOTE 4). REFER TO DEMOLITION GENERAL NOTES ON DRAWING E-002.

2 Δ
14. COORDINATE CONNECTION TO EXISTING EMERGENCY FEEDER TO LIMIT DOWNTIME TO ABSOLUTE MINIMUM. OUTAGE WILL BE SCHEDULED AS DIRECTED BY COTR DURING WEEKEND EVENING HOURS.

15. FEEDER TO EQUIPMENT TO BE REMOVED OR RELOCATED. DISCONNECT EQUIPMENT AND ALL ASSOCIATED OVERCURRENT PROTECTIVE DEVICES AND AUXILIARIES. REFER TO DEMOLITION DRAWINGS AND TO GENERAL NOTE 4.
16. EQUIPMENT FURNISHED BY RADIOLOGY EQUIPMENT SUPPLIER FOR CONNECTION BY ELECTRICAL CONTRACTOR. REFER TO IMAGING EQUIPMENT INSTALLATION DRAWINGS.

2 Δ
17. EXTEND TRANSFER SWITCH CONTROL AND MONITORING WIRING FROM ROOM H156 TO NEW SWITCH. PROVIDE INTERCONNECTING EQUIPMENT, CONFIGURATION, ETC. AS REQUIRED TO CONTROL NEW SWITCH USING EXISTING WIRING.

Revisions:	Date
AMENDMENT 4 Δ1	9/11/12
AMENDMENT 2 Δ1	8/31/12

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Drawing Title: **EMERGENCY POWER SYSTEM ONE-LINE DIAGRAM**
Approved: Project Director
Project Title: Wade Park Radiology North
Location: Cleveland, Ohio
Date: August 15, 2012
Checked:
Drawn: MSB
Project Number: 541-10-1003
Building Number: 1
Drawing Number: **E-602**
Dwg. of

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Office of Facilities Management
Department of Veterans Affairs

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