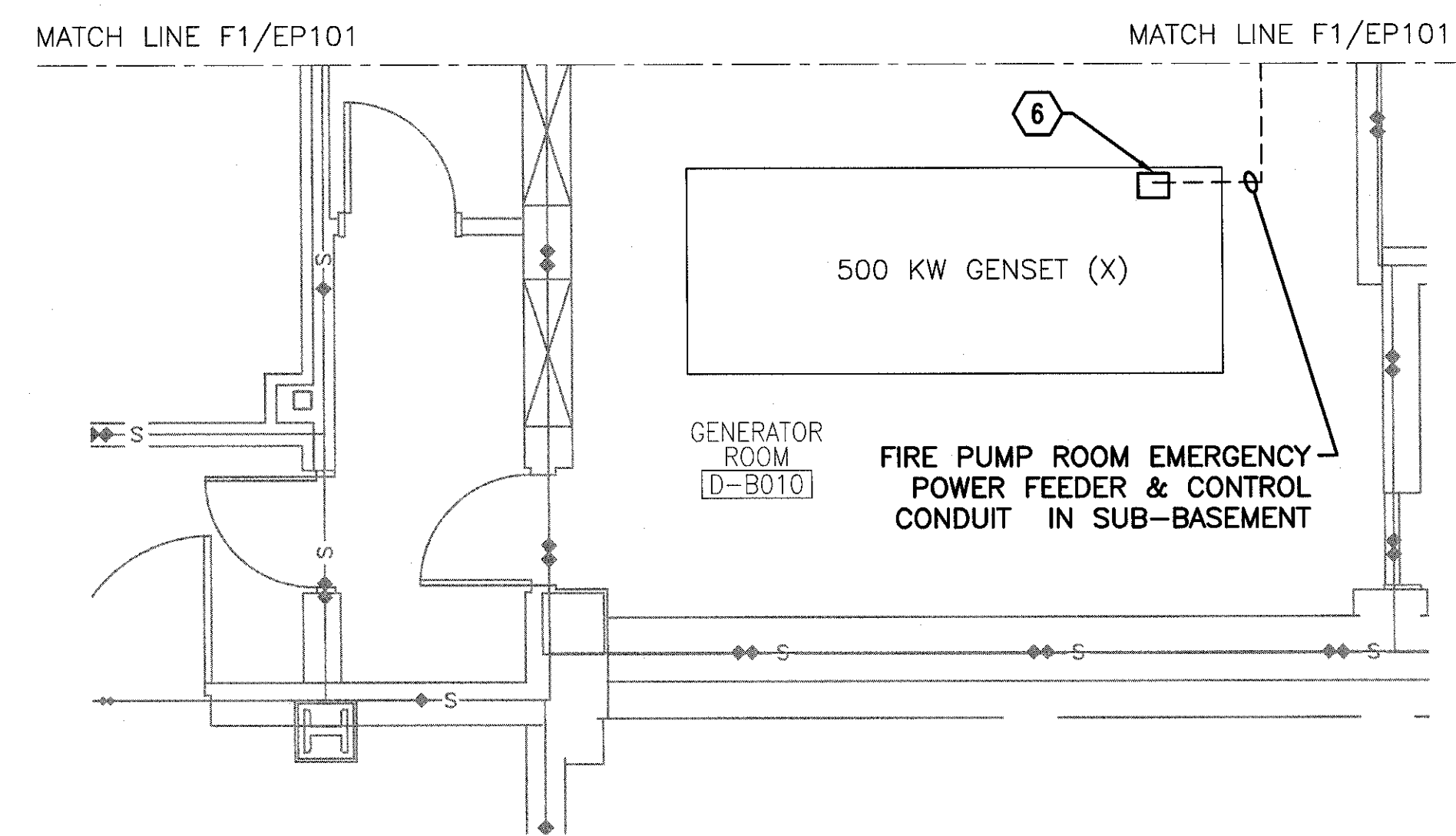


# KEY NOTES:

- NEW FIRE PUMP CONTROLLER AND AUTOMATIC TRANSFER SWITCH. FURNISH AND INSTALL NORMAL AND STANDBY POWER FEEDERS PER KEY NOTES 4, 5, & 6. CONNECT TO NEW 50-HP FIRE PUMP MOTOR UTILIZING RIGID STEEL CONDUIT. REFER TO SHEET EP601.
- NEW JOCKEY PUMP CONTROLLER. CONNECT TO NEW 2-HP JOCKEY PUMP MOTOR UTILIZING RIGID STEEL CONDUIT. REFER TO SHEET EP601. RELOCATE BUILDING MANAGEMENT SYSTEM CURRENT TRANSFORMERS AND ASSOCIATED WIRING FROM EXISTING CONTROLLER.
- RECONNECT TO RELOCATED UNIT HEATER 'UH-10' AND ASSOCIATED RELOCATED SWITCH. REFER TO SHEET ED101. FED FROM PANEL 'DBLN1' CIRCUIT 21.
- CONNECT NEW FIRE PUMP FEEDER TO EXISTING BUSS OF 480-VOLT EXISTING SWITCHBOARD 'DMSD'. THE CONTRACTOR SHALL "TAP" EXISTING BUSS WITHIN SWITCHBOARD FOR NORMAL POWER TO FIRE PUMP. RUN CONDUIT BELOW IN THE SUB BASEMENT AS HIGH AS POSSIBLE. THE ENTIRE LENGTH OF FEEDER CONDUCTOR SHALL NOT EXCEED 25'-0" IN LENGTH. REFER TO SHEET EP601. INSTALLATION SHALL COMPLY WITH ARTICLE 240.21.B.2 OF NEC.
- PROVIDE NEW NORMAL POWER FIRE PUMP DISCONNECT (400-AMP, 3-POLE, 480-VOLT, PAINTED RED, LOCKED ON). CONTINUE FEEDER IN SUB-BASEMENT TO AUTOMATIC TRANSFER SWITCH IN ROOM D-B011. REFER TO SHEET EP601.
- PROVIDE (1) 125-AMP, 3-POLE, 480-VOLT, 65KAIC CIRCUIT BREAKER IN NEMA 1 ENCLOSURE, PAINTED RED, AT EXISTING GENSET. TAP EXISTING GENERATOR OUTPUT LEADS. REFER TO SHEET EP601. PROVIDE NEW STANDBY POWER FEEDER IN SUB-BASEMENT FROM NEW CIRCUIT BREAKER TO NEW AUTOMATIC TRANSFER SWITCH IN ROOM D-B011. FURNISH & INSTALL CONTROL CONDUIT & WIRING. REFER TO SHEET EP601.
- REWORK 125-AMP FEEDER TO PANEL 'DSMLT1' FROM THIS POINT TO NEW PANEL LOCATION. REFER TO SHEET ED101. PROPERLY SUPPORT CONDUIT IN ACCORDANCE WITH NEC. FED FROM PANEL 'DBHN1' IN ROOM D-B003.
- REPLACE EIGHT (8) EXISTING FIRE ALARM MONITOR OR CONTROL MODULES WITH NEW SIEMENS MODULES. REFER TO PHOTO F5/EP901.
- PROVIDE FIRE DETECTOR (SIEMENS FP-11 INTELLIGENT FIRE DETECTOR, COMPATIBLE WITH EXISTING SIEMENS SYSTEM) CONNECTED TO EXISTING FIRE ALARM AND DETECTION SYSTEM INITIATION LOOP.
- PROVIDE FIRE ALARM MONITORING AT FIRE PUMP CONTROLLER OF HIGH PRESSURE ALARM, POWER PHASE REVERSAL, MOTOR RUNNING, POWER LOSS OF PHASE, AND ALTERNATE SOURCE OF POWER CONNECTED.
- LOCATION OF TEMPORARY DIESEL-DRIVEN FIRE PUMP AT EXTERIOR PARKING LOT. FURNISH AND INSTALL FIRE ALARM MONITORING CONNECTIONS THAT EXIST IN TEMPORARY LOCATIONS DESIGNATED BY THE FIRE PROTECTION CONTRACTOR. COORDINATE WITH FIRE PROTECTION CONTRACTOR FOR PHASING SEQUENCE. ENSURE THAT ALL POWER AND MONITORING CONNECTIONS ARE SECURE AND PROTECTED FROM ANY POTENTIAL DAMAGE AND TAMPERING. REMOVE ALL TEMPORARY EQUIPMENT AND WIRING UPON COMPLETION OF INSTALLATION AND TESTING OF ALL NEW EQUIPMENT. CONNECTION TO THE TEMPORARY FIRE PUMP CONTROLS SHALL COME FROM EITHER THE EXISTING SOURCES OR THE NEW SOURCES AT THE CONTRACTOR'S OPTION. CONNECT CONTROL PANEL POWER BY TEMPORARILY UTILIZING NEW RECEPTACLE CIRCUIT REFERENCED IN KEY NOTE #13.
- NEW LOCATION OF RELOCATED SNOW MELT CONTACTORS, CONTROLLER, AND CONTROLLER DISCONNECT. EXTEND EXISTING WIRING FROM EXISTING 8"x8"x36" PULL BOX TO CONTACTORS AND CONTROLLER AND TO RELOCATED PANEL 'DSMLT1'. TWELVE 30-AMP, 277-VOLT, AND TWO 40-AMP, 277-VOLT CIRCUITS. REFER TO PHOTOS ON EP901.
- FURNISH AND INSTALL NEW 20-AMP, 1-POLE, 120-VOLT CIRCUIT BREAKER, GE #TEB111020, IN EXISTING PANEL 'DBLE1'.
- FURNISH AND INSTALL SIGN "FIRE PUMP DISCONNECTING MEANS" ON DOOR.
- FURNISH AND INSTALL SIGN "FIRE PUMP EMERGENCY POWER DISCONNECTING MEANS" ON DOOR.
- NEW LOCATION OF EXISTING SURVEILLANCE CAMERA. FURNISH AND INSTALL NEW PENDANT MOUNTING TO EXTEND CAMERA BELOW ANY OBSTRUCTIONS. EXTEND CABLING FROM EXISTING JUNCTION BOX. REFER TO SHEET ED101.

# NOTES:

- REFER TO SHEET E-001 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
- REFER TO SHEET ED101 FOR EQUIPMENT TO BE REMOVED, RELOCATED, OR REPLACED.
- REFER TO DETAIL B1/EL101 FOR FIREPROOFING OF RECESSED DEVICE BOX.
- ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL MAINTAIN THE FIRE RATING OF THAT PARTITION. CONTRACTOR SHALL FURNISH AND INSTALL FIRESTOPPING AT ALL PENETRATIONS THROUGH NEW OR EXISTING FIRE RATED PARTITIONS. FIRESTOPPING PRODUCTS SHALL BE AS MANUFACTURED BY HILTI. NO EXCEPTIONS.
- THE CONTRACTOR SHALL PROVIDE ALL NAMEPLATES AND PLAQUES AT ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NFPA 13, 20, AND THE NEC.
- RECONNECT AND RESECURE EXISTING FIRE ALARM MODULES FROM EXISTING VALVE TAMPER SWITCHES TO NEW VALVE TAMPER SWITCHES. REFER TO FIRE PROTECTION SHEETS FX401 AND FX402.
- THE CONTRACTOR SHALL INCLUDE THE FIRE ALARM PROGRAMMING FEE OF \$500 FOR AADCO, INC. ALARM AND COMMUNICATIONS. TELEPHONE 317-781-7680.
- CONDUITS IN THE SUB BASEMENT SHALL BE RUN AS HIGH AS POSSIBLE WITHIN THE SPACE. SUBMIT DIMENSIONED SKETCH FOR REVIEW PRIOR TO BEGINNING WORK.
- RENOVATION NOTATIONS:  
(R) LOCATION OF RELOCATED DEVICE OR EQUIPMENT  
(RR) REMOVE AND RELOCATE EXISTING DEVICE OR EQUIPMENT  
(RX) REMOVE EXISTING DEVICE OR EQUIPMENT  
(X) EXISTING DEVICE OR EQUIPMENT TO REMAIN  
(XR) EXISTING DEVICE OR EQUIPMENT TO BE REMOVED AND REPLACED AT SAME LOCATION

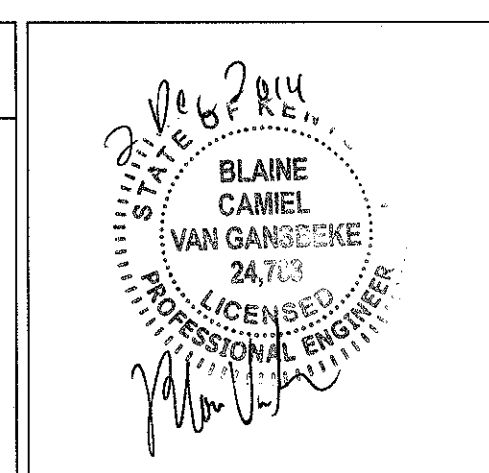


KEY PLAN  
NOT TO SCALE

<b>PROJECT INFORMATION</b> Project Number: 583-13-121 Building Number: 1 Drawing Number: EP101		<b>Office of Construction and Facilities Management</b> Department of Veterans Affairs
Location: RICHARD L. ROUBENSH VAMC 1481 W 10TH STREET, INDIANAPOLIS IN 46202 Date: 12-2-2014 Checked: BAM Drawn: BAM		

Revisions	Date

CONSULTANTS:



**ARCHITECT/ENGINEERS:**

**PARADIGM**  
ENGINEERS AND CONSTRUCTORS

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<b>Drawing Title</b> ELECTRICAL POWER PLAN	<b>Project Title</b> REPLACE FIRE PUMP BUILDING 1
<b>Approved Project Director</b> [Signature]	<b>Location</b> RICHARD L. ROUBENSH VAMC 1481 W 10TH STREET, INDIANAPOLIS IN 46202

<b>Project Number</b> 583-13-121	<b>Building Number</b> 1
<b>Drawing Number</b> EP101	<b>Date</b> 12-2-2014

