

**ABBREVIATIONS**

A	AMP	P	POLE
AC	ALTERNATING CURRENT	PF	POWER FACTOR
ADA	AMERICANS WITH DISABILITIES ACT	PH	PHASE
AF	AMP FRAME	PNL	PANEL
AFF	ABOVE FINISHED FLOOR	PVC	POLYVINYL CHLORIDE
AFG	ABOVE FINISHED GRADE	REF	REFRIGERATOR
AIC	AMPERES INTERRUPTING CAPACITY	RSC	RIGID STEEL CONDUIT
AL	ALUMINUM	RTU	ROOF TOP UNIT
AT	AMP TRIP	SCCR	SHORT CIRCUIT CURRENT RATING
AWG	AMERICAN WIRE GAUGE	SF	SUPPLY FAN
BLDG	BUILDING	SS	SOLID STATE
C	CONDUIT	TC	TIME CLOCK
CB	CIRCUIT BREAKER	TYP	TYPICAL
CKT	CIRCUIT	TV	TELEVISION
CL	CENTERLINE	UG	UNDERGROUND
CONC	CONCRETE	UH	UNIT HEATER
CONT'D	CONTINUED	UNO	UNLESS NOTED OTHERWISE
COR	CONTRACTING OFFICER'S REPRESENTATIVE	V	VOLT
CR	CRITICAL	VA	DEPARTMENT OF VETERAN AFFAIRS
CU	COPPER	VA	VOLT-AMPERE
CUH	CABINET UNIT HEATER	VAMC	VA MEDICAL CENTER
DC	DIRECT CURRENT	VFD	VARIABLE FREQUENCY DRIVE
EC	ELECTRICAL CONTRACTOR	W	WATT
EF	EXHAUST FAN	W/	WITH
EGC	EQUIPMENT GROUNDING CONDUCTOR	WP	WEATHERPROOF
EM	EMERGENCY	WH	WATER HEATER
EWC	ELECTRIC WATER COOLER	3PH	THREE PHASE (Ø)
FACP	FIRE ALARM CONTROL PANEL	3W	THREE WIRE
GEC	GROUNDING ELECTRODE CONDUCTOR	4W	FOUR WIRE
GFI	GROUND FAULT INTERRUPTER	(R)	LOCATION OF RELOCATED DEVICE OR EQUIPMENT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	(RR)	REMOVE AND RELOCATE EXISTING DEVICE OR EQUIPMENT
GND	GROUND	(RX)	REMOVE EXISTING DEVICE OR EQUIPMENT
JB	JUNCTION BOX	(X)	EXISTING DEVICE OR EQUIPMENT TO REMAIN
KAIC	THOUSAND AMP INTERRUPTING CAPACITY	(XR)	EXISTING DEVICE OR EQUIPMENT TO BE REMOVED AND REPLACED AT SAME LOCATION
KCMIL	THOUSAND CIRCULAR MIL		
KV	THOUSAND VOLTS (KILOVOLT)		
KVA	THOUSAND VOLT-AMPS		
KW	THOUSAND WATTS (KILOWATT)		
LED	LIGHT EMITTING DIODE		
LP	LIGHTING PANELBOARD		
LTC	LIGHTING		
MCB	MAIN CIRCUIT BREAKER		
MLO	MAIN LUGS ONLY		
NC	NORMALLY CLOSED OR NURSE CALL		
NEC	NATIONAL ELECTRICAL CODE		
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION		
NTS	NOT TO SCALE		
OI&T	OFFICE OF INFORMATION AND TECHNOLOGY		

**LEGEND**

**LIGHTING**

□ A FLUORESCENT OR LED LUMINAIRE (LIGHTING FIXTURE) SURFACE OR RECESSED MOUNTED  
UPPERCASE LETTER INDICATES TYPE (TYPICAL)

⊕ EMERGENCY LIGHTING UNIT WITH INTEGRAL BATTERY

⊗ EXIT SIGN

§ SWITCH MOUNTED 48" AFF UNLESS NOTED OTHERWISE  
'3' INDICATES THREE-WAY  
'4' INDICATES FOUR-WAY  
'D' INDICATES DIMMER SWITCH  
'T' INDICATES TIMER SWITCH

§WP 'WP' INDICATES WEATHERPROOF COVER  
'O' INDICATES WALL-MOUNTED OCCUPANCY SENSOR

**POWER**

— NEW INTERIOR WIRING - ABOVE GRADE - CONCEALED OR EXPOSED

← HOMERUN - ARROWS INDICATE NUMBER OF CIRCUITS (GND NOT SHOWN) CONDUCTORS ARE #12 UNLESS NOTED OTHERWISE.

DBLE1-23 CIRCUIT NUMBER DESIGNATION  
PANELBOARD DESIGNATION

⊙ JUNCTION BOX - SIZE AS INDICATED OR REQUIRED.

□ SBC BBA PANELBOARD, RECESSED OR SURFACE MOUNT AS SPECIFIED. DESIGNATION PER CLIENT STANDARD

⊕ DUPLEX RECEPTACLE - 125V, 20A, GROUND TYPE MOUNT 18" AFF UNLESS NOTED OTHERWISE  
'S' INDICATES TOP HALF SWITCHED  
'IG' INDICATES ISOLATED GROUND  
'WP' INDICATES WEATHER-PROOF. PROVIDE WEATHER-RESISTANT PER NEC 406.8.  
'SS' INDICATES SURGE SUPPRESSION TYPE  
'TR' INDICATES TAMPER RESISTANT TYPE  
'HG' INDICATES HOSPITAL GRADE  
'GF' INDICATES GROUND FAULT CIRCUIT INTERRUPTER  
'CR' INDICATES CRITICAL POWER

⊕ QUAD RECEPTACLE - 125V, 20A, GROUND TYPE MOUNT 18" AFF UNLESS NOTED OTHERWISE

**OTHER**

⊕ INDICATES KEY NOTE

⊕ SMOKE DETECTOR WITH ADDRESSABLE BASE.

⊕ INTELLIGENT FIRE DETECTOR WITH ADDRESSABLE BASE. CEILING MOUNTED.

⊕ FIRE ALARM SYSTEM AUDIO/VISUAL NOTIFICATION DEVICE (SPEAKER/STROBE)

— FIRE RESISTIVE RATED LINE, 1 HOUR

— FIRE RESISTIVE RATED LINE, 2 HOUR

— FIRE RATED, SMOKE BARRIER LINE, 1 HOUR

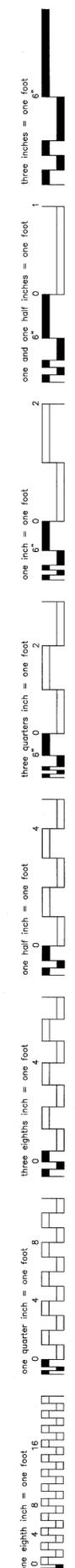
— FIRE RATED, SMOKE BARRIER LINE, 2 HOUR

**GENERAL NOTES**

- NOT ALL SYMBOLS INDICATED IN THE LEGEND OR LISTED ABBREVIATIONS APPEAR ON THE DRAWINGS. COORDINATE WORK ACCORDINGLY. COMPLY WITH SPECIFICATIONS AND NOTES BELOW AS APPLICABLE.
- FUSES AND OVERLOAD UNITS FOR MOTORS SHALL BE SIZED BASED ON ACTUAL MOTOR NAMEPLATE DATA AND IN ACCORDANCE WITH NEC.
- ALL WORK SHALL COMPLY WITH NFPA70, NFPA72, NFPA99, NFPA101 & ALL FEDERAL, STATE & LOCAL REGULATIONS.
- ALL PENETRATIONS THROUGH FLOORS, RATED WALLS AND PARTITIONS SHALL BE SEALED WITH UL APPROVED FIRE SEALANT MATERIAL TO MAINTAIN FIRE RATING FOR THE SEPARATION.
- THE CONTRACTOR SHALL REPAIR OR REPLACE, TO THE SATISFACTION OF THE VA, ANY CEILING OR WALL SURFACES, MATERIALS, OR STRUCTURES THAT MAY BE DAMAGED IN THE PROCESS OF THEIR WORK.
- AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED WITH ALL FEEDER AND BRANCH CIRCUITS. SIZE IN ACCORDANCE WITH NFPA70 ARTICLE 250.
- FLEXIBLE CONNECTIONS TO MOTORS SHALL BE LIQUID TIGHT FLEXIBLE METAL CONDUIT IN A 360° LOOP EXCEPT AS NOTED OTHERWISE.
- LOCATE DISCONNECTS AT EQUIPMENT AS REQUIRED BY MANUFACTURER. LOCATIONS ON DRAWINGS ARE APPROXIMATE.
- PROVIDE WIRE MARKERS TO IDENTIFY CABLES FOR ALL SYSTEMS AT THE ORIGIN, PULL BOXES, AND TERMINATION POINTS. LABELS SHALL BE SELF ADHESIVE OR HEAT SHRINK TYPE.
- NO LIVE WORK WILL BE ALLOWED. EVERY CIRCUIT SHALL BE LOCKED-OUT AND TAGGED-OUT BEFORE COMMENCING WORK.
- SOME WORK UNDER THIS CONTRACT WILL REQUIRE WORK DUTIES TO BE PERFORMED AFTER NORMAL WORKING HOURS. DETERMINATION OF SPECIFIC WORK DUTIES TO BE PERFORMED AFTER HOURS SHALL BE MADE BY VA STAFF AT THEIR CONVENIENCE. POSSIBLE WORK REQUIRING AFTER HOURS APPROVAL INCLUDES, BUT IS NOT LIMITED TO: POWER OUTAGES AND DISRUPTION OF SERVICES, EXTREME NOISE AND/OR VIBRATION, CUTTING AND PATCHING OF CONCRETE, AND DELIVERIES OF EQUIPMENT.
- PARKING AND MATERIAL STAGING AREAS ARE LIMITED AT THIS PROJECT LOCATION. SCHEDULE AND PLAN ALL CONTRACTOR PARKING AND MATERIAL DELIVERY LOCATIONS WITH THE VA AS DIRECTED.

**LUMINAIRE SCHEDULE**

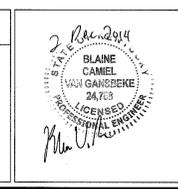
TYPE	DESCRIPTION	LAMP	REMARKS
A	4-FOOT LED INDUSTRIAL STRIP, 22 GAUGE STEEL WHITE BODY, WITH SHADE, 120-277V	3500K LED, 3200 MINIMUM LUMEN OUTPUT	43 WATT MAXIMUM POWER INPUT
E	HARSH ENVIRONMENT EMERGENCY LIGHT, SEALED & GASKETED POLYCARBONATE HOUSING 120-277V	TWO(2) 9W12V HALOGEN	SEALED, MAINTENANCE-FREE, LEAD-CALCIUM BATTERY WITH 90 MINUTES OF EMERGENCY OPERATION



**Revisions**

No.	Description	Date

**CONSULTANTS:**



**ARCHITECT/ENGINEERS:**

**PARADIGM**  
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Drawing Title  
**ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL NOTES AND SCHEDULE**

Approved Project Director

Project Title  
**REPLACE FIRE PUMP BUILDING 1**

Location **RICHARD L. ROUBEUSH VAMC**  
1481 W 10TH STREET, INDIANAPOLIS IN 46202

Date **12-2-2014**

Checked **BAM**

Drawn **BAM**

Project Number **583-13-121**

Building Number **1**

Drawing Number **E-001**

**Office of Construction and Facilities Management**

Department of Veterans Affairs

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