

LEGE	ND PLATE SCHEDULE	
DEVICE	LEGEND PLATE LABELING	LETER HEIGHT/COLOR
SERVICE BREAKER	SERVICE DISCONNECT 208Y/120 VAC, 3 PH, 4 W	1/4" BLACK LETTERING ON A WHITE BACKGROUND
SERVICE BREAKER	NOTE GENERATOR NEUTRAL IS ALSO BONDED TO GROUND AT SERVICE DISCONNECT	1/4" BLACK LETTERING ON A WHITE BACKGROUND
GENERATOR BREAKER	GENERATOR BREAKER 208Y/120 VAC, 3 PH, 4 W	1/4" BLACK LETTERING ON A YELLOW BACKGROUND
GENERATOR BREAKER	NOTE GENERATOR NEUTRAL IS BONDED TO GROUND AT SERVICE DISCONNECT	1/4" BLACK LETTERING ON A YELLOW BACKGROUND
REMOTE LOCATED EMERGENCY STOP STATION FOR ENGINE GENERATOR SET	ENGINE GENERATOR EMERGENCY STOP PUSH TO STOP PULL TO RESET	1/4" WHITE LETTERING ON A RED BACKGROUND
AUTOMATIC TRANSFER SWITCH	AUTO TRANSFER SWITCH 208/120 VAC, 3 PH, 4 W NORMAL SOURCE FED FROM SERVICE DISCONNECT STANDBY SOURCE FED FROM GENERATOR BREAKER	1/4" WHITE LETTERING ON A RED BACKGROUND
PANELBOARD	FELL AVE PUMP STATION PANELBOARD 208Y/120 VAC, 3 PH, 4 W	1/4" WHITE LETTERING ON A RED BACKGROUND
PUMP CONTROL PANEL ENCLOSURE	FELL AVE PUMP STATION CONTROL PANEL 208/120 VAC, 3 PH, 4 W	1/4" WHITE LETTERING ON A RED BACKGROUND

- 1. LEGEND PLATES SHALL BE WEATHERPROOF, ABRASION RESISTANT, PHENOLIC ENGRAVED MATERIAL, LETTERING SHALL BE SIZED AS NOTED ABOVE. SECURE LEGNED PLATES TO EQUIPMENT WITH MACHINE SCREWS AND/OR RIVETS. CONTRACTOR SHALL FIELD VERIFY THAT THE RESPECTIVE LETTERING HEIGHT AND LEGENDS WILL FIT ON THE RESPECTIVE EQUIPMENT AND ADJUST LETTERING HEIGHT WHERE APPLICABLE. SEE SPECIFICATIONS FOR THE PUMP CONTROL PANEL FOR ADDITIONAL LEGEND PLATES REQUIRED FOR THAT PANEL.
- 2. FURNISH & INSTALL A WEATHERPROOF WARNING LABEL FOR EACH METER SOCKET, SERVICE DISCONNECT, TRANSFER SWTICH, PANELBOARD & CONTROL PANEL TO WARN PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS, PER THE SWITCH, PANELDOWN OF NEC 110.16 "FLASH PROTECTION". LABELS SHALL BE HAZARD COMMUNICATION SYSTEMS, LLC (190 OLD MILFORD RD., P.O. BOX 1774, MILFORD, PA 18337 PHONE: 1–887–748–0244) PART NO. H6010–9VWHBJ OR APPROVED EQUAL.

## NOTES:

- 1. PROVIDE NEMA 4 HUBS AT ALL CONDUIT ENTRIES TO AUTO XFER SWITCH, PANELBOARD, AND PUMP CONTROL PANEL.
- 2. SEE ELECTRICAL ONE-LINE DIAGRAM FOR INFO ON FEEDER CONDUCTOR & CONDUIT

TRANSFER SWITCH, PANELBOARD, & PUMP CONTROL PANEL ELEVATION NOT TO SCALE

## SHEET LEGEND:

1 3 #6 THWN, 1 #6 NEUTRAL, 1 #8 GND IN 1" GRSC FROM PANELBOARD TO PUMP CONTROL PANEL.

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- 2 4 #14 THWN, 1 #14 GND, 4 #14 THWN SPARE (UTILITY POWER FAILURE & ENGINE GENERATOR FAILURE ALARM WIRING) IN 3/4" PVC COATED GRSC FROM AUTO TRANSFER SWITCH TO PUMP CONTROL PANEL.
- 3 2" PVC COATED GRSC FOR TELEPHONE CABLE SERVICE. VERIFY CONDUIT SIZE WITH SERVING TELEPHONE CO, AND ADJUST (REDUCE OR ENLARGE)
- 4 2 MULTI-CONDUCTOR FLOAT CABLES (WITH MAXIMUM DIAMETER OF 5/8") IN 2" PVC COATED RIGID ALLUMINUM OR PVC COATED GRSC. CONDUIT SHALL BE SIZED FOR 25% MAXIMUM FILL TO CONFORM TO EXPLOSION PROOF CONDUIT SEAL REQUIREMENTS. ADJUST (ENLARGE) AS REQUIRED.
- (5) SUBMERSIBLE PUMP MOTOR CABLE IN 2" PVC COATED RIGID ALUMINUM OR PVC COATED GRSC. CONDUIT SHALL BE SIZES FOR 25% MAXIMUM FILL TO CONFORM TO EXPLOSION PROOF CONDUIT SEAL REQUIREMENTS. ADJUST (ENLARGE) AS REQUIRED.
- (6) EXPLOSION PROOF CONDUIT SEAL SUITABLE FOR CLASS I, DIVISION 1, GROUP D HAZARDOUS LOCATION, CROUSE HINDS EYS, APPLETON EYS, ESU, EY, KILLARK ENY, EY EYS OR 0-Z GEDNEY EYA, EY, OR EZS SERIES, REQUIRED FOR ALL CONDUITS ENTERING OR LEAVING THE WET WELL OR VALVE VAULT INSTALLED IN CONFORMANCE WITH NEC 501 & MANUFACTURER'S DIRECTIONS. NOTE CONDUIT SEALS SHALL BE SIZED AS REQUIRED FOR THE RESPECTIVE CABLE FILL. CABLE FILL SHALL NOT EXCEED 25% FOR CONDUIT SEAL APPLICATION. CONDUIT SEALS SHALL BE THE FIRST FITTING AFTER THE CONDUIT LEAVES THE WET WELL AND EMERGES FROM GRADE & THE FIRST FITTING AFTER CONDUIT ENTERS THE VALVE VAULT.
- (7) (RESERVED)
- (8) (RESERVED)
- 9 1 #10 THWN, 1 #10 THWN NEUTRAL, 1 #10 GND IN 3/4" PVC COATED GRSC FROM PANELBOARD TO VALVE VAULT.
- (10) (RESERVED)
- (1) (RESERVED)

DATE : FEB. 2, 2005

EXPIRES: NOV, 30, 2005

ELECTRICAL DETAILS II FELL AVENUE BRIDGE REPLACEMENT

DRAWN MV 10/07/2004

DESIGNED KNL 10/07/2004

CHECKED KNL 10/09/2004 CHECKED XXX

FILE: 03S2019

DATE: 2-2-05