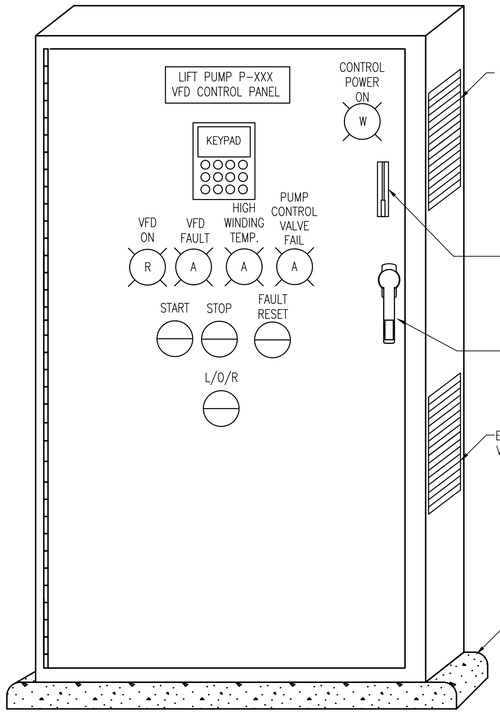
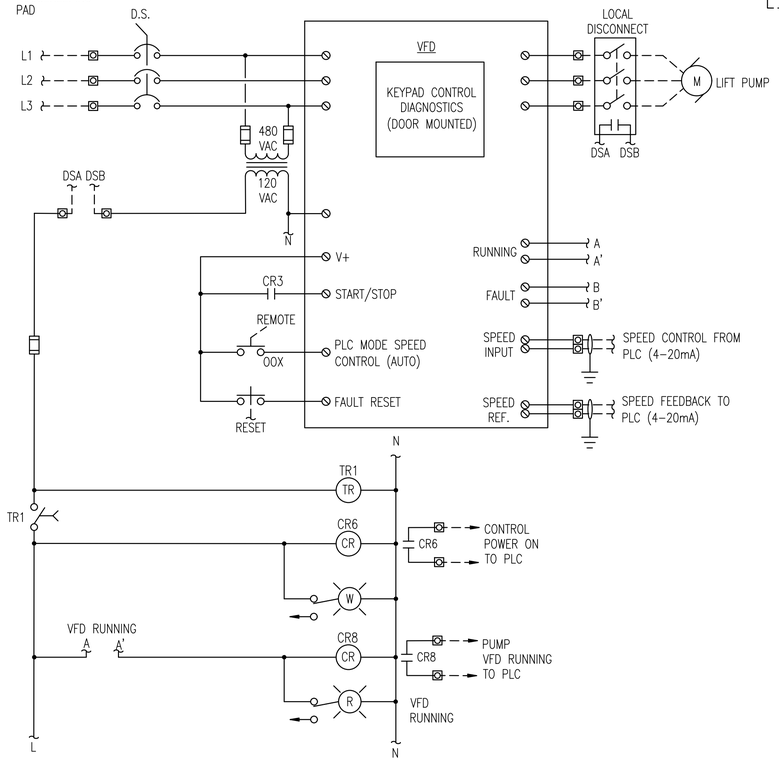


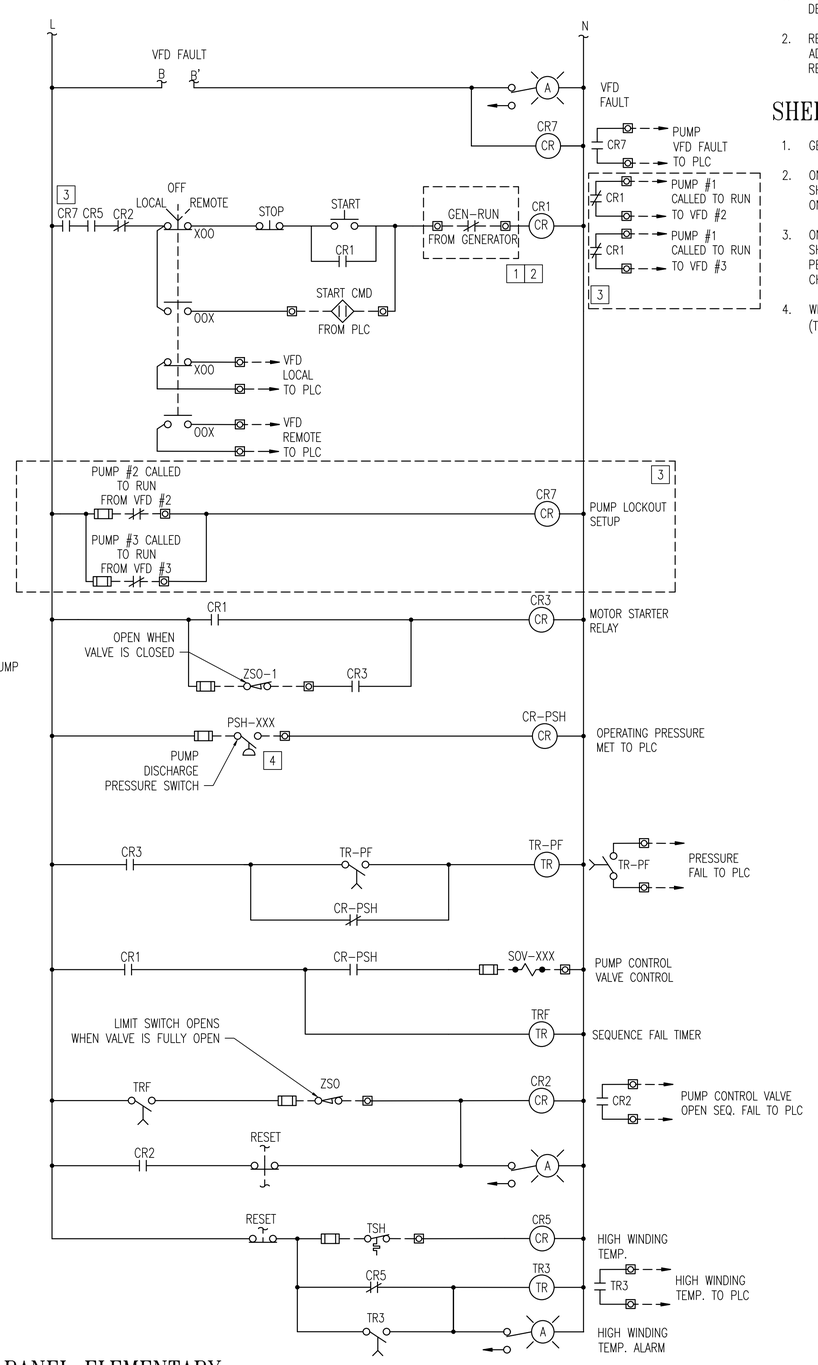
PUMP STATION LIFT PUMP VFD CONTROL PANEL ELEVATION

1 / I0.04

(TYP. OF 3 HIGH LIFT PUMPS & 2 LOW LIFT PUMPS)

SCALE: NTS





VFD CONTROL PANEL ELEMENTARY

2 / I0.04

(TYP. OF 3 HIGH LIFT PUMPS & 2 LOW LIFT PUMPS)

GENERAL SHEET NOTES

1. SEE I&C SYMBOLS, LEGENDS AND ABBREVIATIONS SHEETS FOR DETAILS.
2. REFER TO ELECTRICAL & MECHANICAL DRAWINGS FOR ADDITIONAL INSTALLATION, LOCATIONS, AND EQUIPMENT REQUIREMENTS.

SHEET KEYNOTES [X]

1. GENERATOR RUN STATUS TO PUMPS P-104 AND P-105 ONLY.
2. ONLY REQUIRED FOR LOW LIFT PUMPS. LOW LIFT PUMPS SHALL NOT BE ALLOWED TO RUN WHILE THE PUMP STATION IS ON GENERATOR POWER.
3. ONLY REQUIRED FOR HIGH LIFT PUMPS. HIGH LIFT PUMPS SHALL BE INTERLOCKED SUCH THAT ONLY 2 PUMPS ARE PERMITTED TO RUN SIMULTANEOUSLY. PUMP 101 SHOWN, CHANGE AS REQUIRED FOR PUMPS 102 AND 103.
4. WIRE TO PUMPS SPECIFIC DISCHARGE PRESSURE SWITCH (TYP.).

COMMONWEALTH OF VIRGINIA
PADRAIC WILLIAM GRAY
Lic. No. 50246
1/24/2020
PROFESSIONAL ENGINEER

Whitman, Requardt & Associates, LLP
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WESTERN VIRGINIA WATER AUTHORITY
601 South Jefferson Street, Suite 300
Roanoke, Virginia 24011

DES: JJN	SCALE: NOT TO SCALE
DRAWN: CRM	HORIZ: N/A
CHECK: PWG	VERT: N/A
DATE: 1/24/20	

CRYSTAL SPRING
PUMP STATION RELOCATION

VFD CONTROL DIAGRAM

REV	DATE	DESCRIPTION

DRAWING: I0.04

SHEET: 70

PLOT DATE: 1/24/2020 10:31:06 AM PAGE SETUP: VRA-PDF (36X24) PLOT STYLE: VRA_2006.CTB PAPER SIZE:ARCH FULL BLEED D (36.00 X 24.00 INCHES)
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