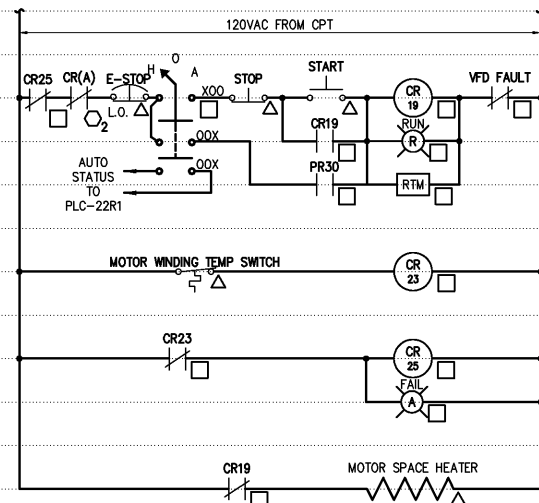
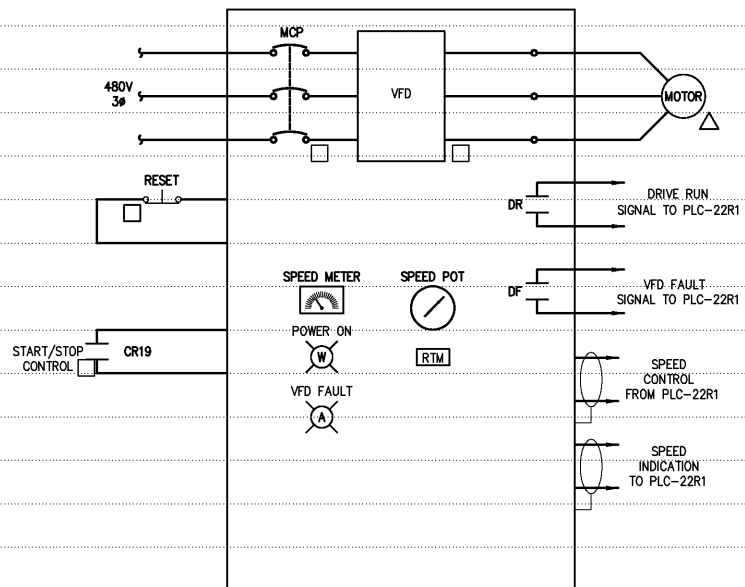
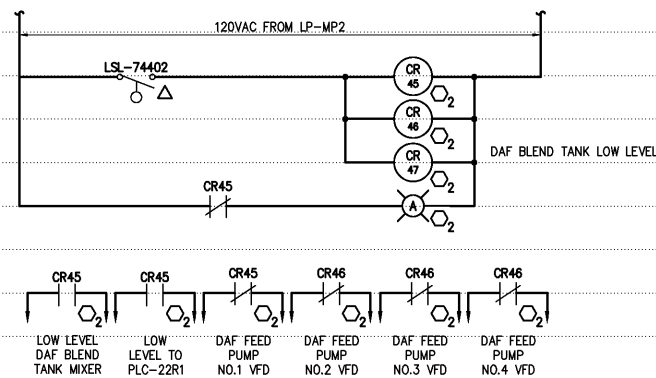


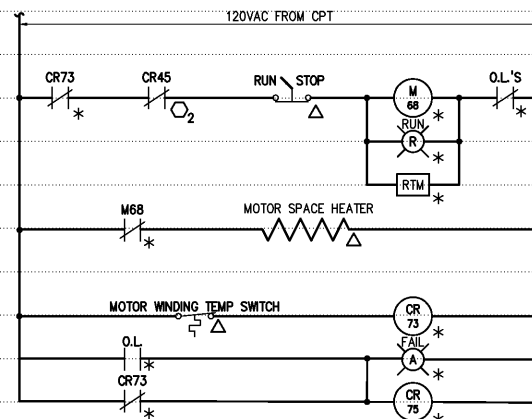
DAF FEED PUMPS NO. 1 – NO. 4

ELEMENTARY CONTROL SCHEMATIC

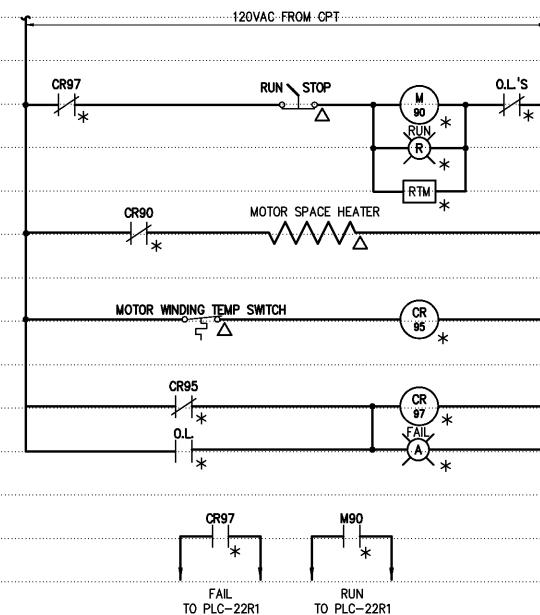


DAF BLEND TANK LEVEL RELAY PANEL

ELEMENTARY CONTROL SCHEMATIC

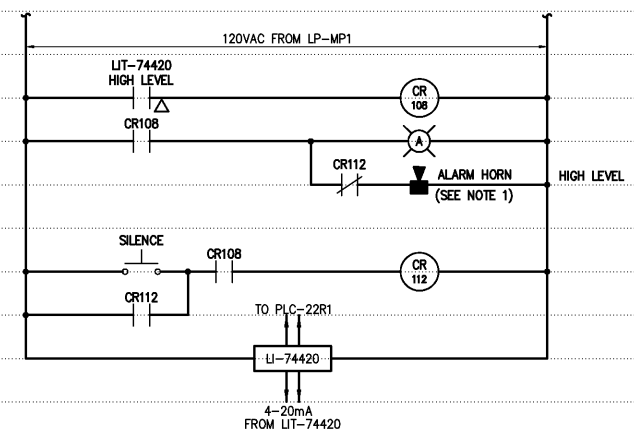


DAF BLEND TANK MIXER



POLYMER RECIRCULATION PUMP

ELEMENTARY CONTROL SCHEMATIC



POLYMER FILL STATION CONTROL PANEL
ELEMENTARY CONTROL SCHEMATIC

NOTE: ALL DEVICES LOCATED AT THE POLYMER FILL STATION
CONTROL PANEL UNLESS OTHERWISE INDICATED.

NOTES:

1 ALARM HORN SHALL BE NEMA 4X, 120 VAC PANEL MOUNTED, EDWARDS SIGNALING 870P SERIES OR EQUAL.

				DESIGNED	BRL
				DRAWN	BRL
				CHECKED	
3	AS BUILT	OCT 2007	RLT	PROJ. ENGR.	H & S
2	CONSTRUCTION	MAR 2004	RLT		
1	REGULATORY APPROVAL	NOV 2003	RLT		
NO.	ISSUED FOR	DATE	BY	APPROVED	

THIS DOCUMENT ORIGINALLY ISSUED
FOR CONSTRUCTION AND SEALED BY
ROBERT S. DIFIORE, SEAL NO. 22769

THIS DOCUMENT ORIGINALLY ISSUED
FOR CONSTRUCTION AND SEALED BY
RONALD L. TAYLOR, SEAL NO. 024649

RECORD DRAWING

THIS DRAWING HAS BEEN MODIFIED TO REFLECT FIELD CHANGES REPORTED BY THE CONTRACTOR OR ANOTHER PARTY, BUT NOT VERIFIED BY THE CERTIFYING ENGINEER. THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY GERALD J. RATASKY, 026535. THIS MEDIA SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT.

HAZEN AND SAWYER
Environmental Engineers & Scientists
4011 WestChase Blvd, Raleigh, North Carolina 27607

CITY OF ROANOKE
VIRGINIA

REGIONAL WATER POLLUTION CONTROL PLANT
PROCESS TRAIN IMPROVEMENTS

DAF THICKENER BUILDING MODIFICATIONS
ELECTRICAL
ELEMENTARY CONTROL SCHEMATICS

THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.	DATE MARCH 2004	
	H & S JOB NUMBER 30788B	
	CONTRACT NUMBER B	DRAWING NUMBER E744