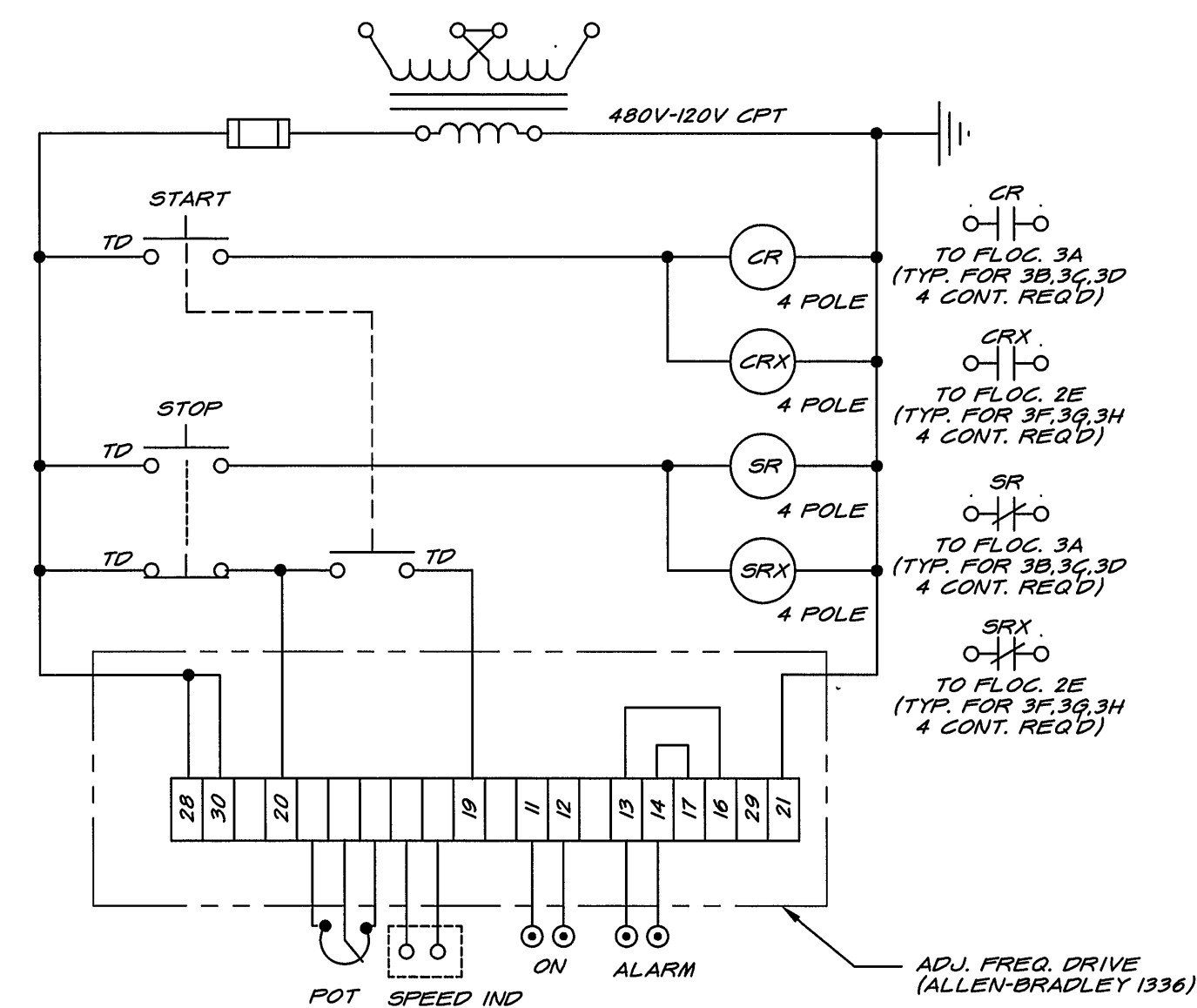
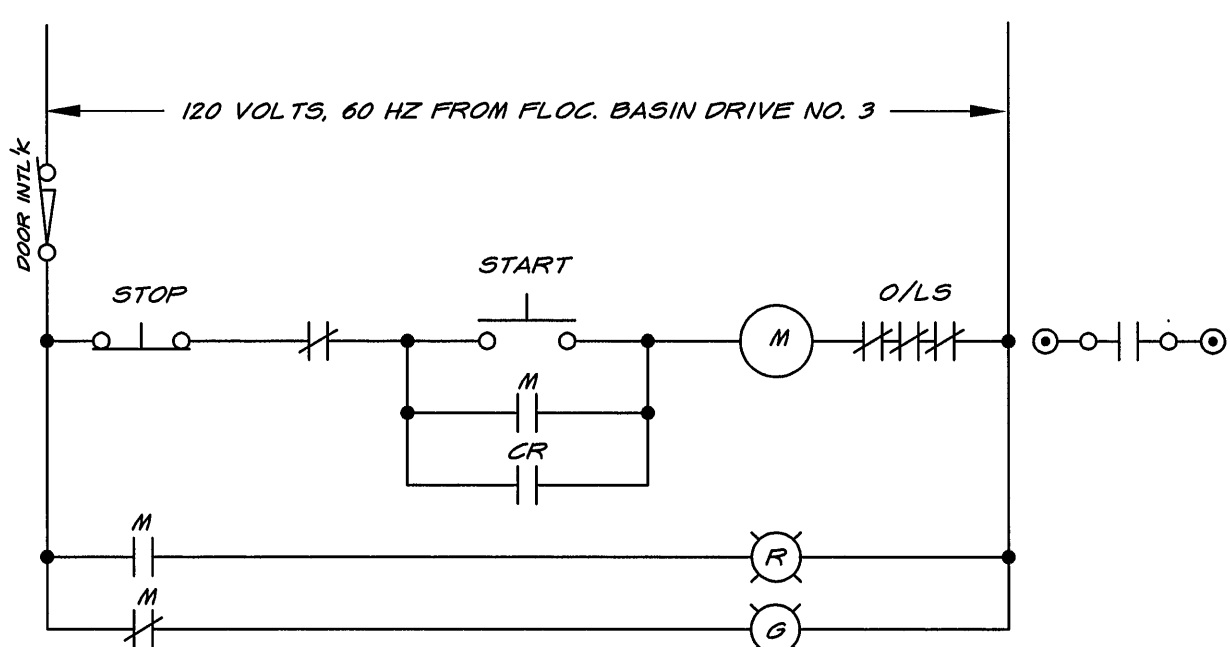
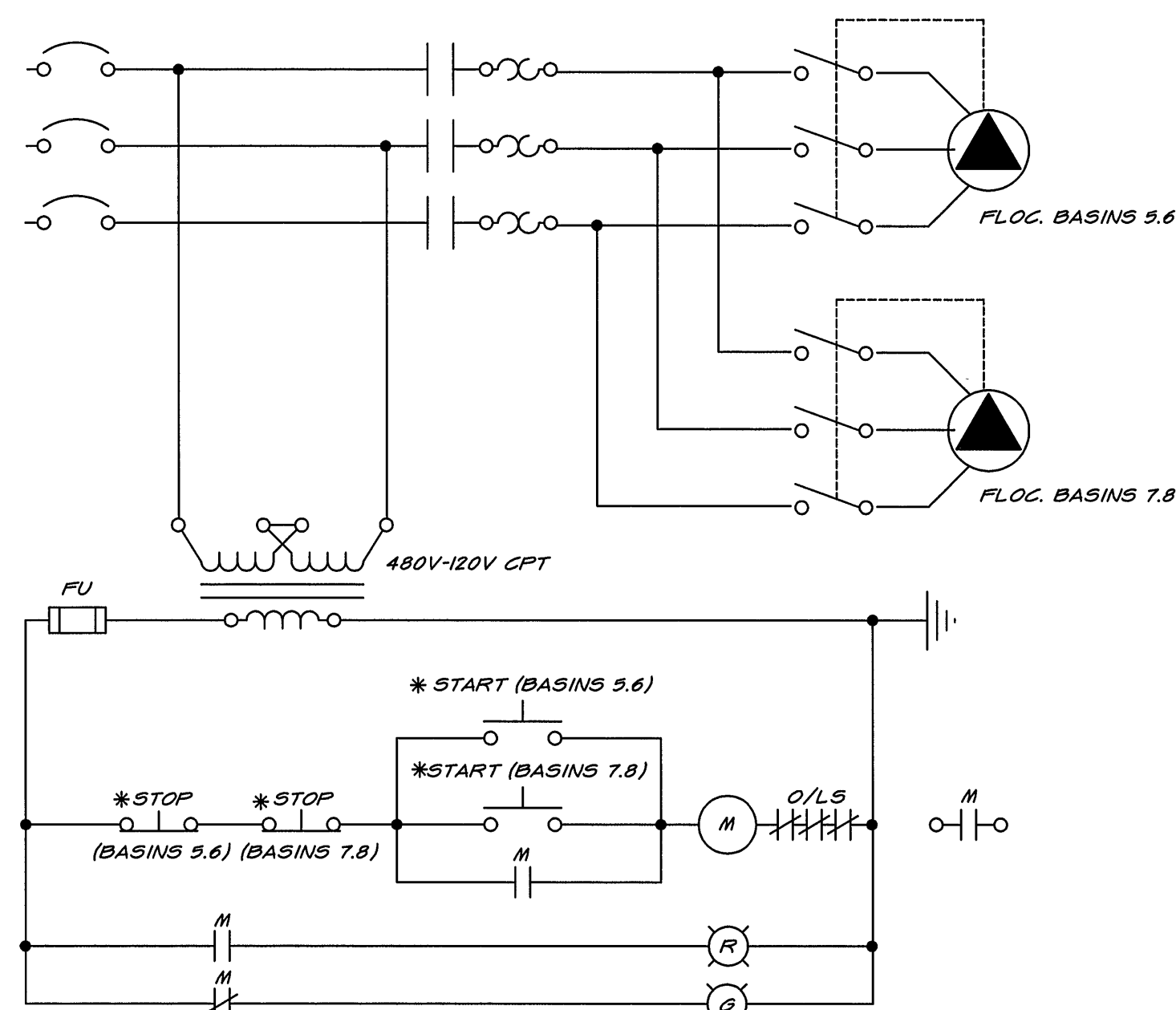




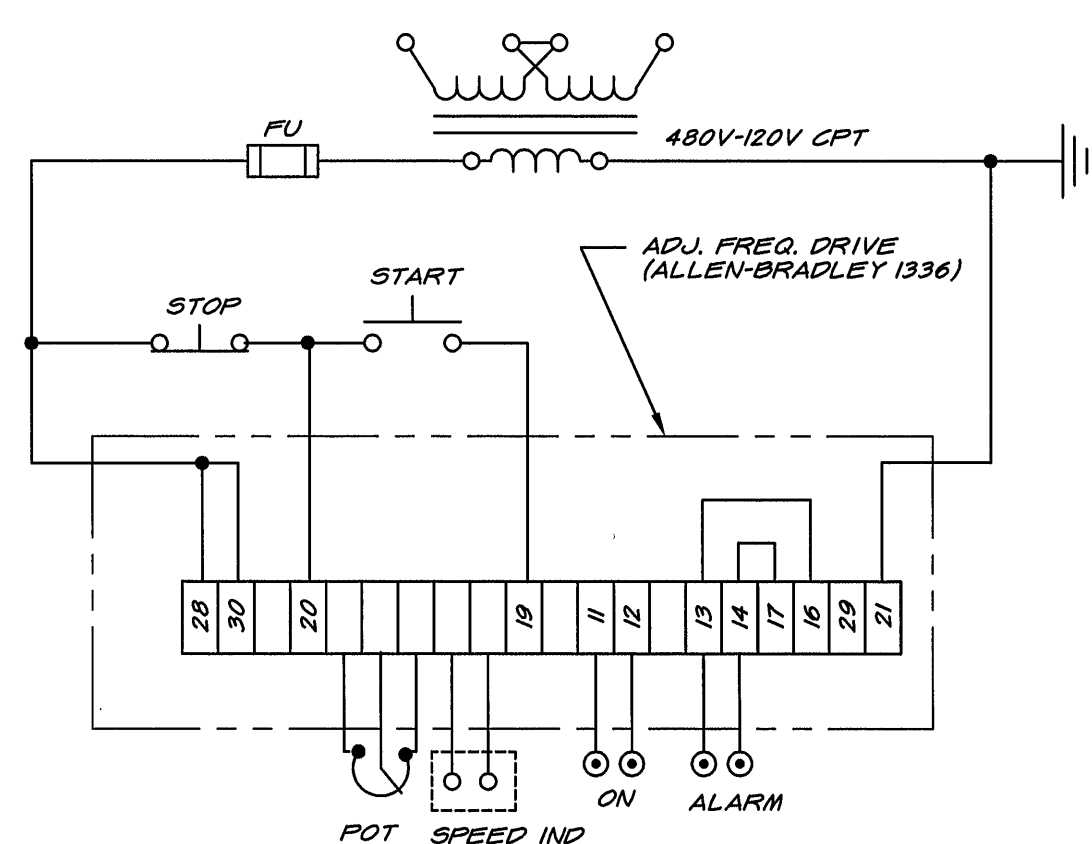
FLOC. BASIN DRIVE NO. 3
(TYP. FOR DRIVE NO. 4, 5, 6, 7 & 8)



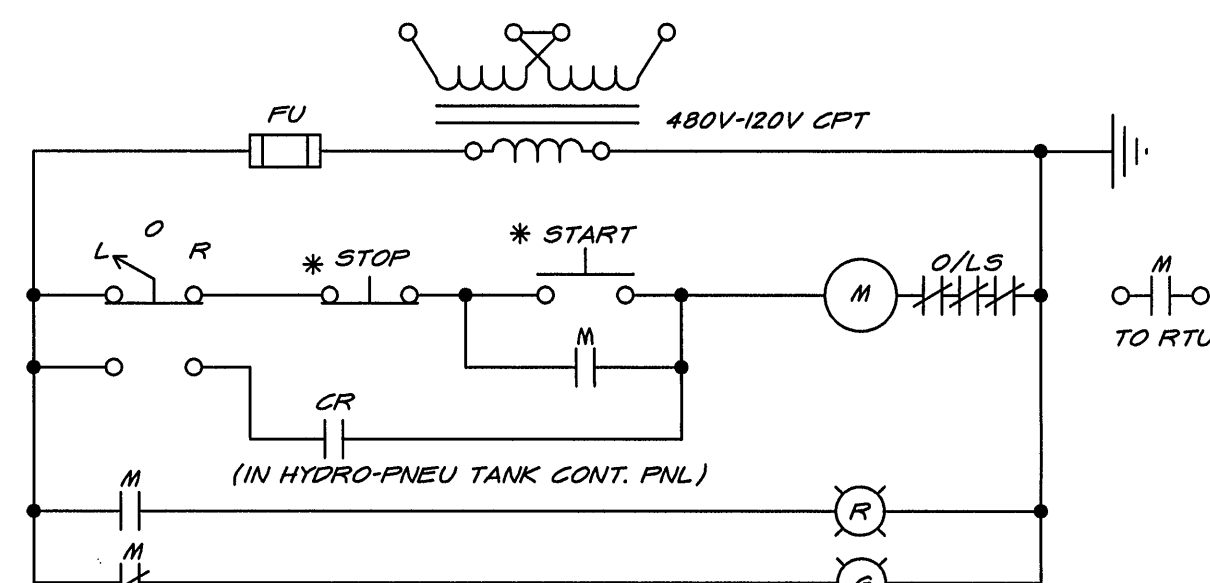
FLOCCULATOR NO. 3A
(TYP. FOR FLOCCULATORS 3B-3H, 4A-4H, 5A, 5B, 5C, 6A, 6B, 6C, 7A, 7B, 7C, 8A, 8B & 8C)



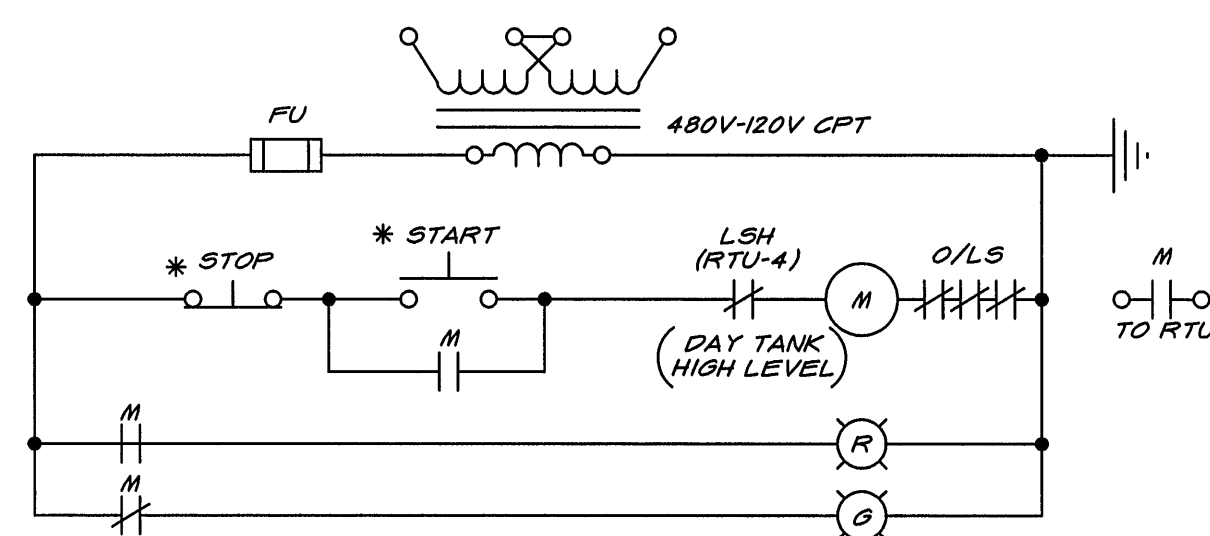
BASIN DEWATERING PUMP OUTLETS



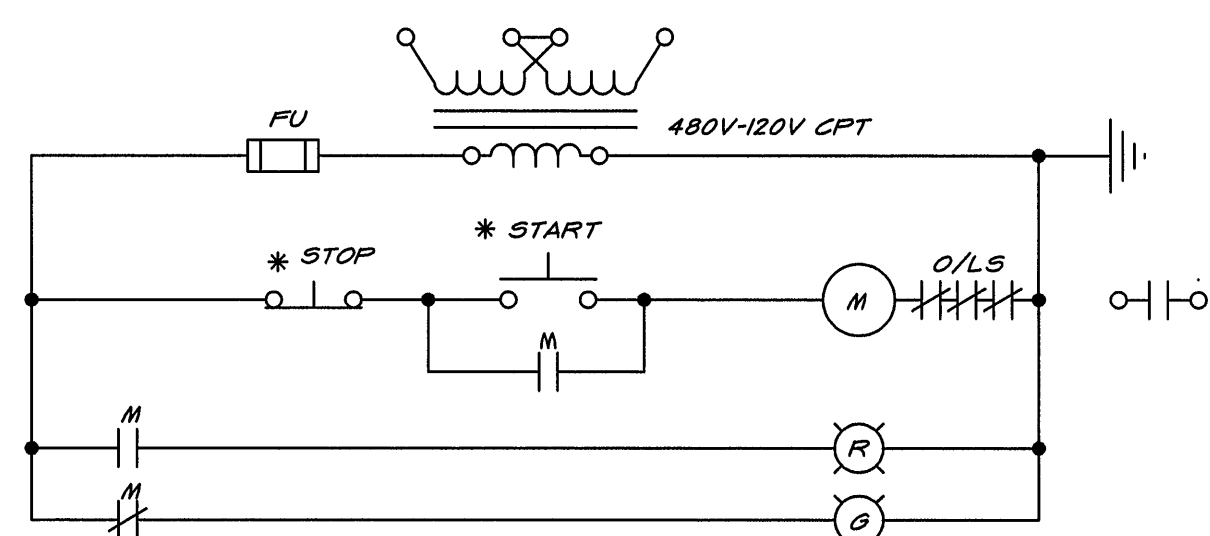
FLASH MIXER DRIVE NO. 1
(TYP. FOR DRIVE NO. 2, 3 & 4)



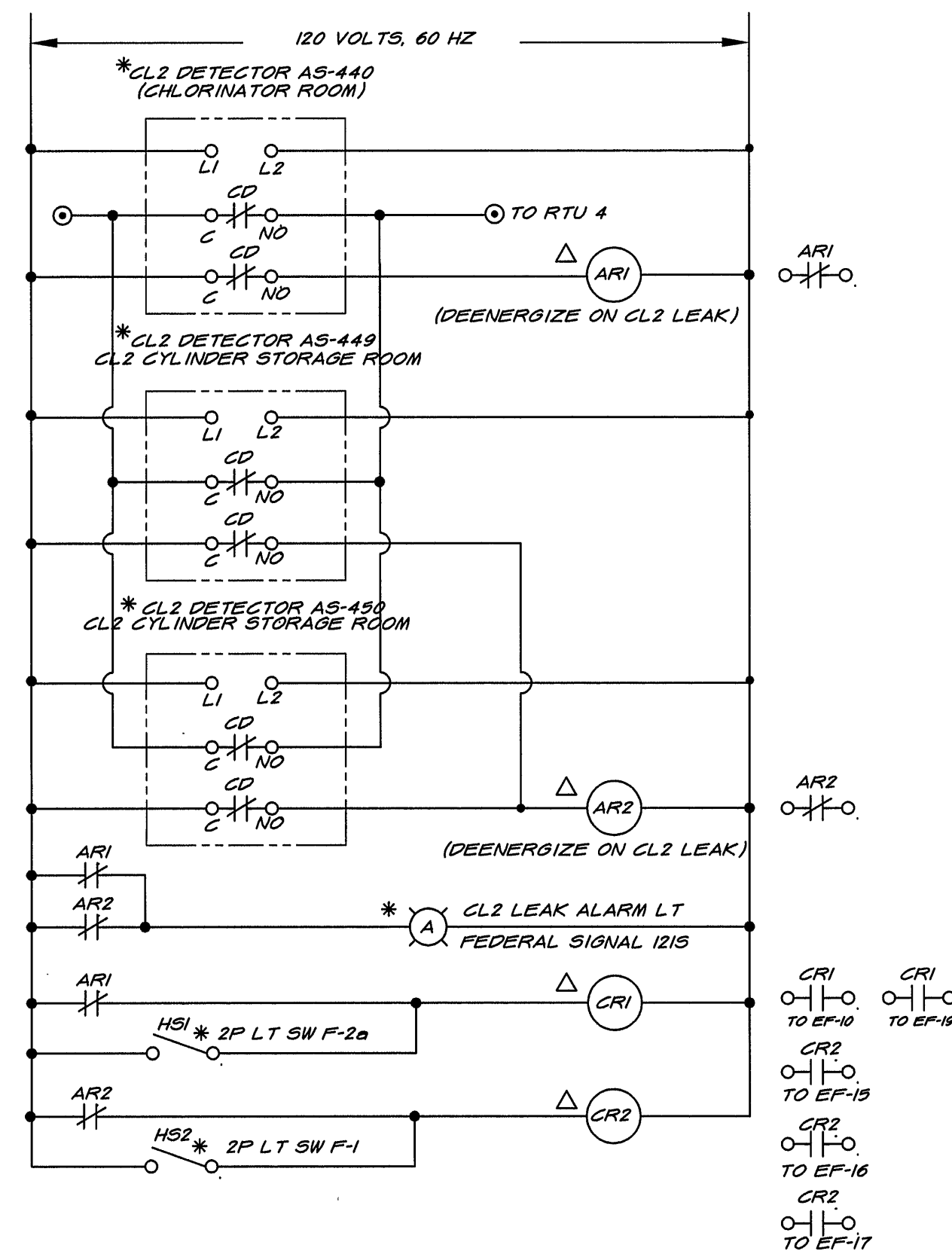
CYLINDER WATER PUMP NO.1
(TYP. FOR CWP-2, HWP-1 & 2)



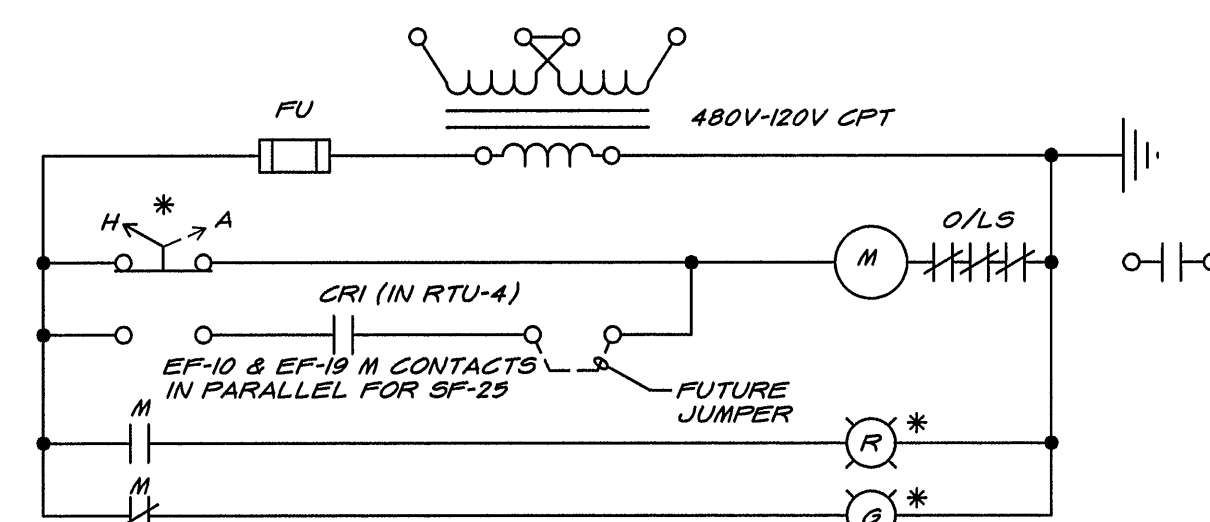
FLUORIDE TRANSFER PUMP-1
(TYP. FOR FLUORIDE TRANSFER PUMP-2 ALUM, NaOH, ZINC ORTHOPHOSPHATE, AND POLYMER TRANSFER PUMPS)



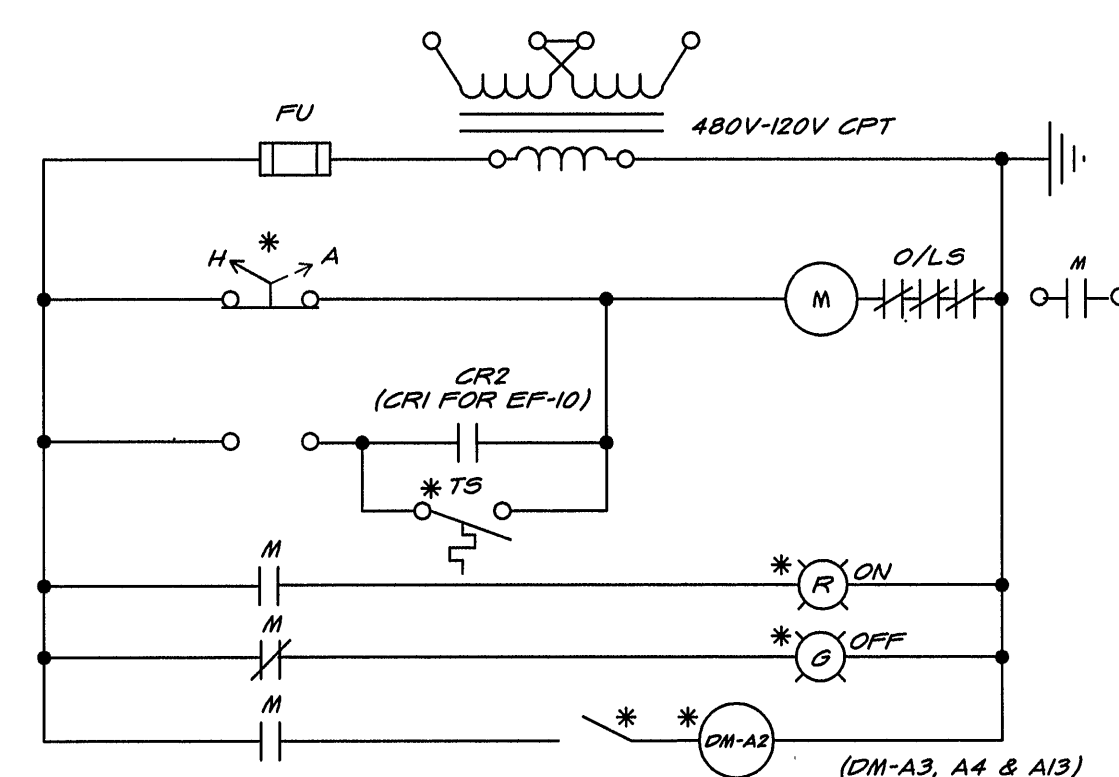
CHLORINE WATER BOOSTER PUMP (TYP.)
(TYP. FOR WATER BOOSTER PUMPS & DUST COLLECTOR)



CHLORINE LEAK DETECTORS

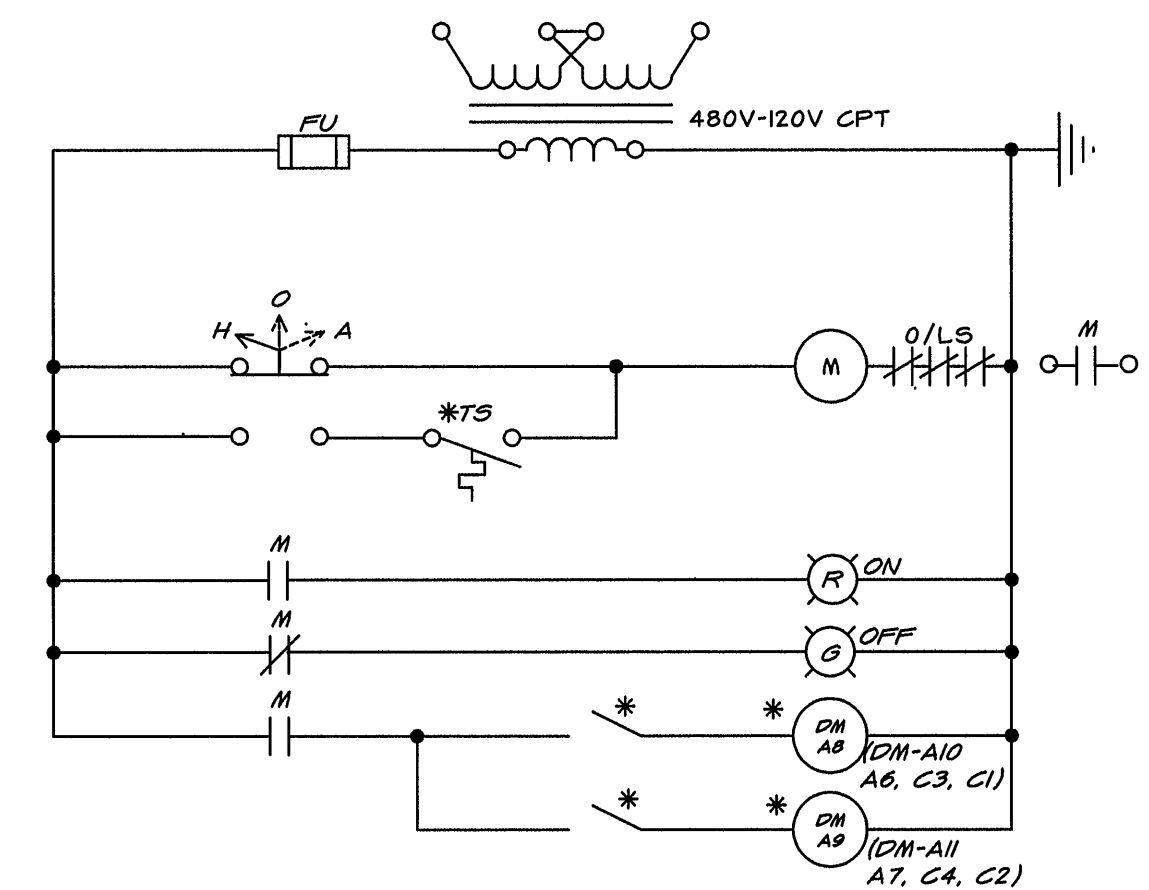


CHLORINATOR ROOM EXH. FAN EF-19
(TYP. FOR SF-25)

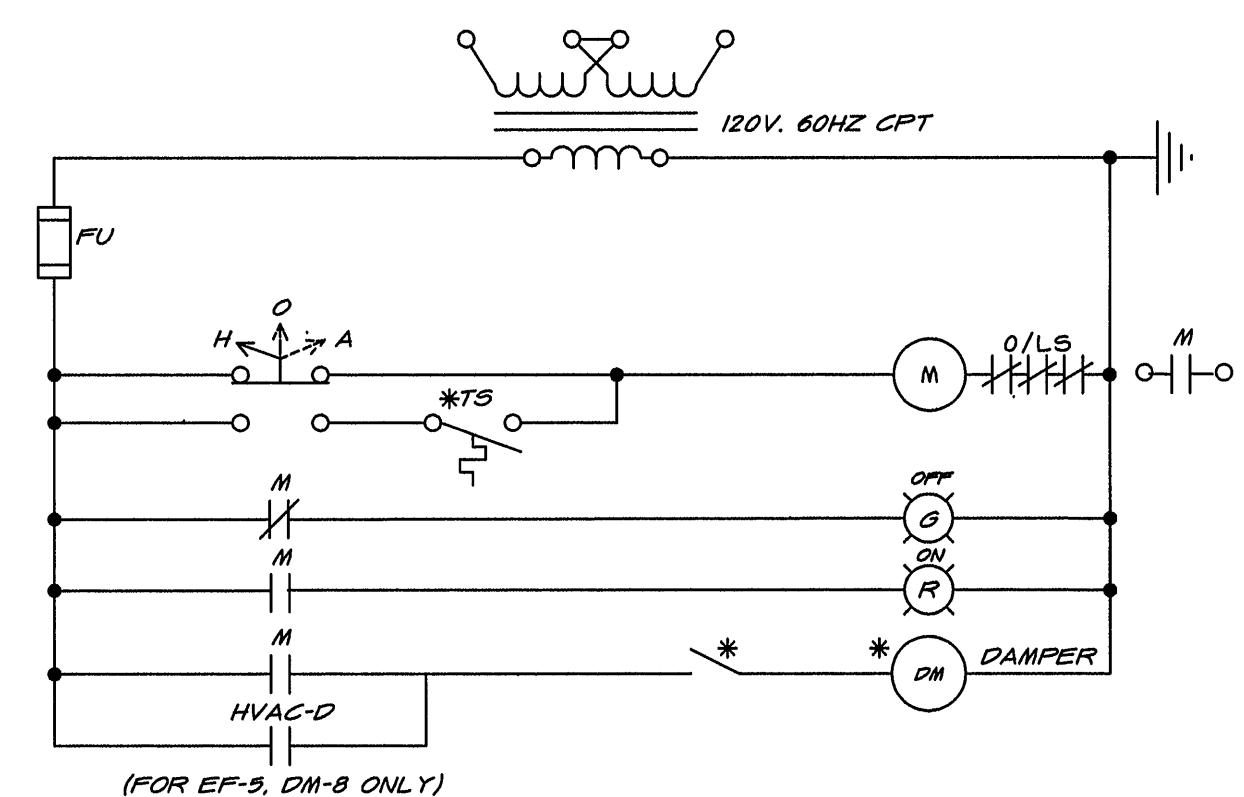


CL2 STORAGE ROOM EXH. FAN EF-15
(TYP. FOR EF-16, 17 & 10)

NOTE:
* - DENOTES LOCAL
Δ - DENOTES IN RTU

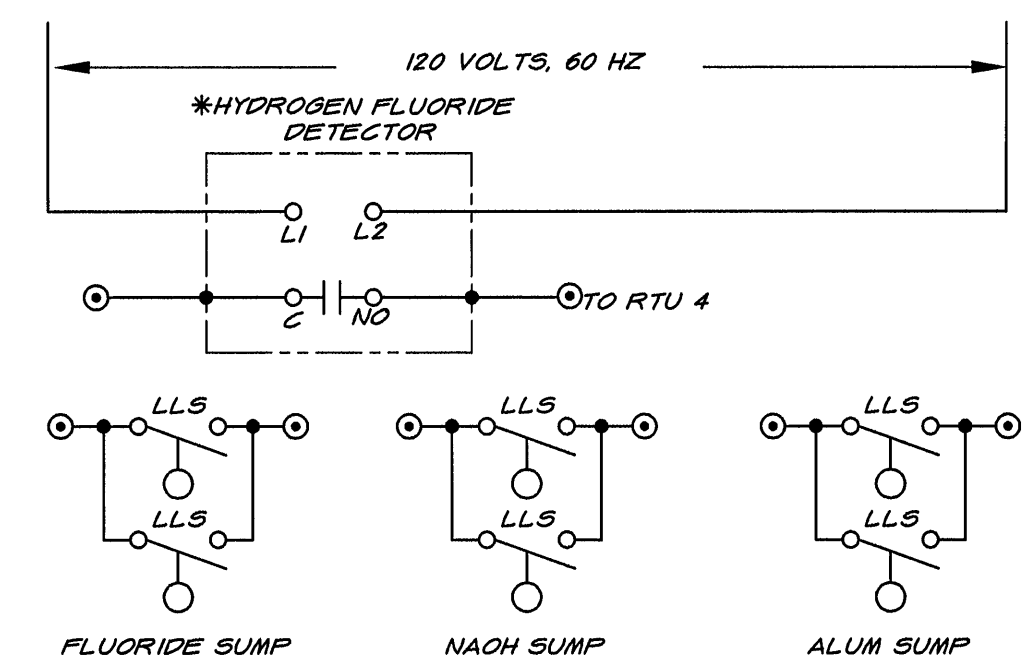


CHEM. STOR. ROOM EXH. FAN EF-11
(TYP. FOR EF-12, 24, 26 & 27)

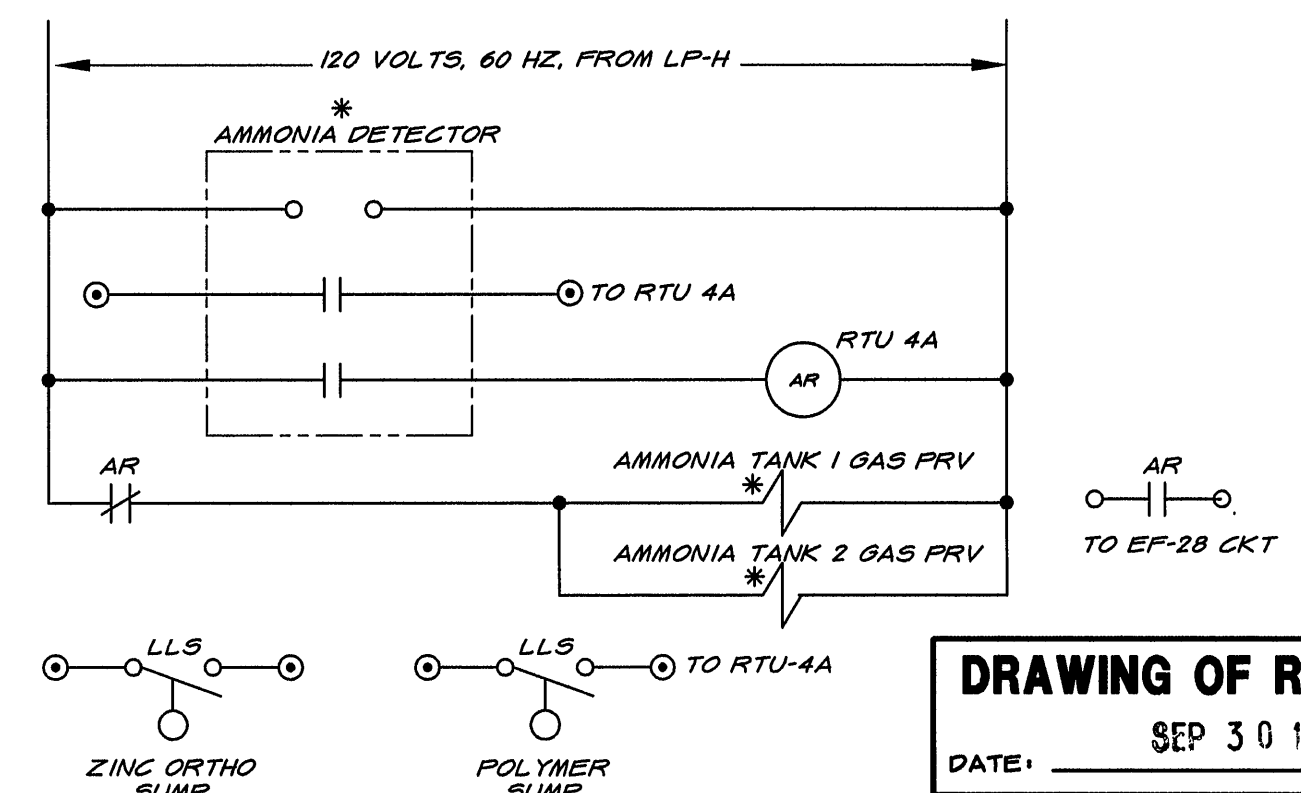


EXHAUST FAN CONTROL

(TYP. FOR EF-1 (DM-1), EF-2 (DM-2), EF-3 (DM-3), EF-4 (DM-4), EF-5 (DM-5), EF-13 (DM-A1), EF-14 (DM-A2), & EF-18 (DM-A3))



CHEMICAL LEAK DETECTORS - CHEM. BLDG. 1



CHEMICAL LEAK DETECTORS - CHEM. BLDG. 2

DRAWING OF RECORD
DATE: SEP 30 1997

MATTEN & CRAIG
CONSULTING ENGINEERS • SURVEYORS
ROANOKE VIRGINIA

DESIGNED: KCC

DRAWN: KGP

CHECKED: KCC/RRR



REV.	DATE	DESCRIPTION	BY	APP.

CARVINS COVE FILTER PLANT IMPROVEMENTS - PHASE I
ROANOKE, VIRGINIA

DATE
APRIL 1992
COMM. NO.
9130
SHEET
E5

ELECTRICAL CONTROL ELEMENTARY DIAGRAMS - 2