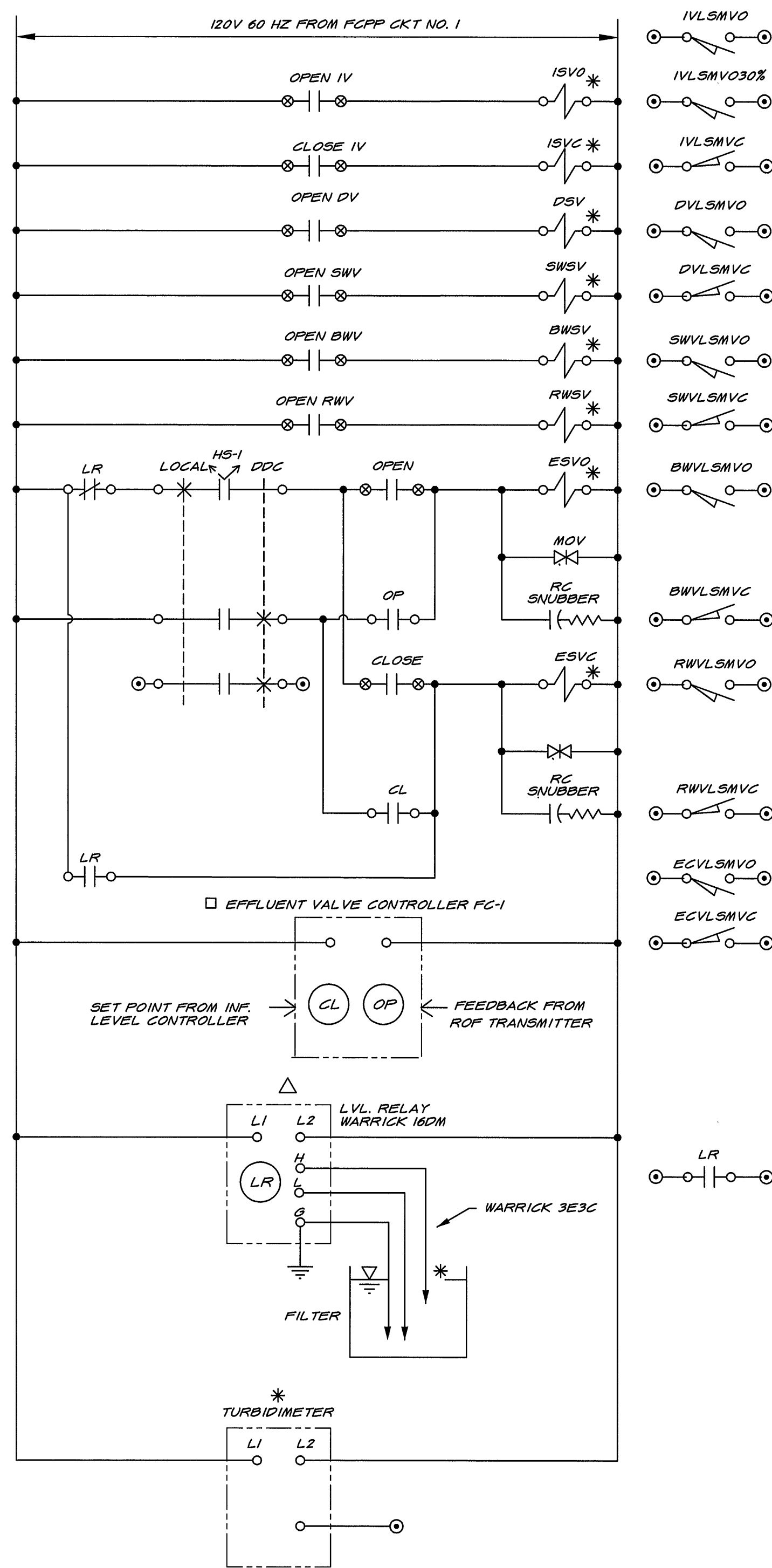
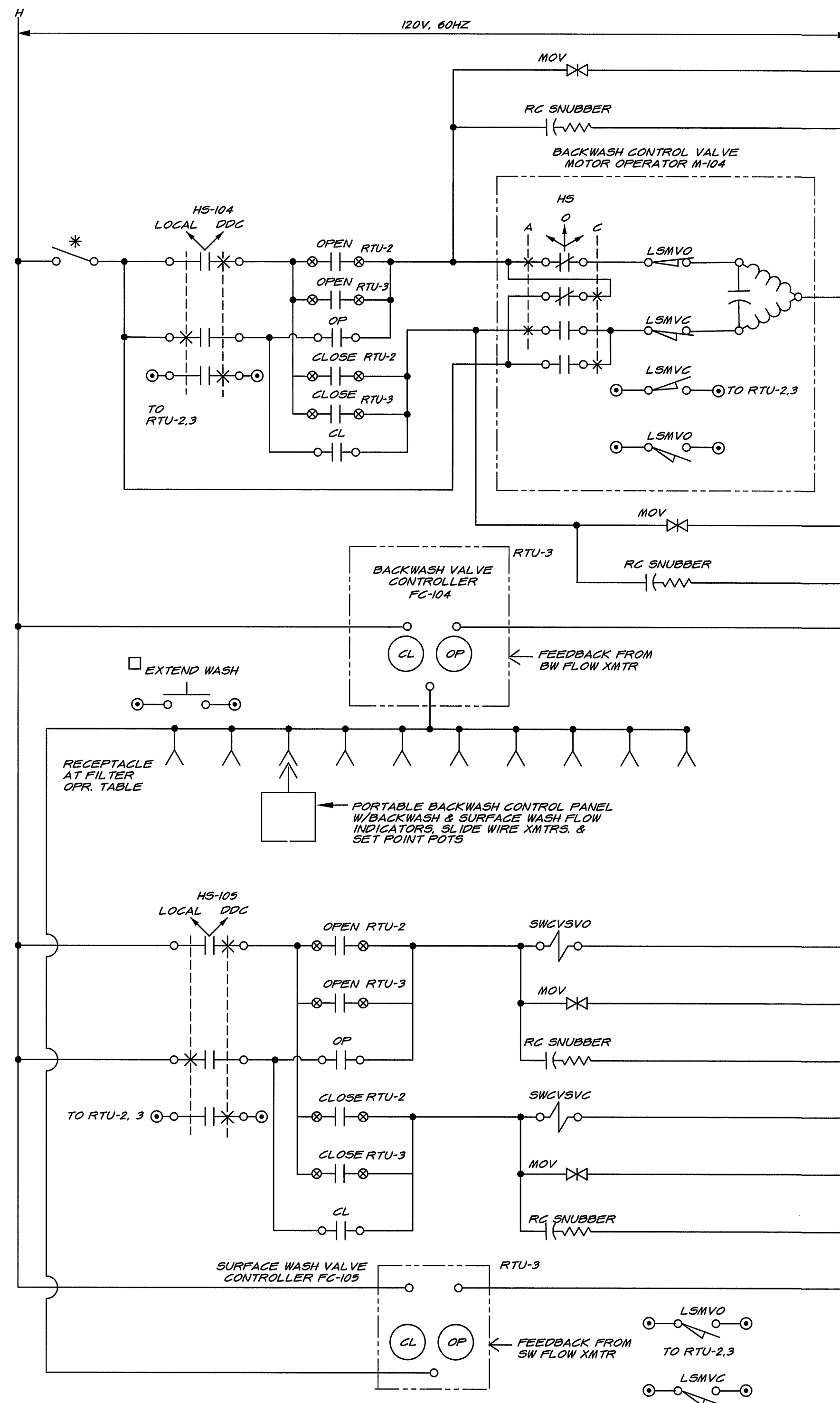
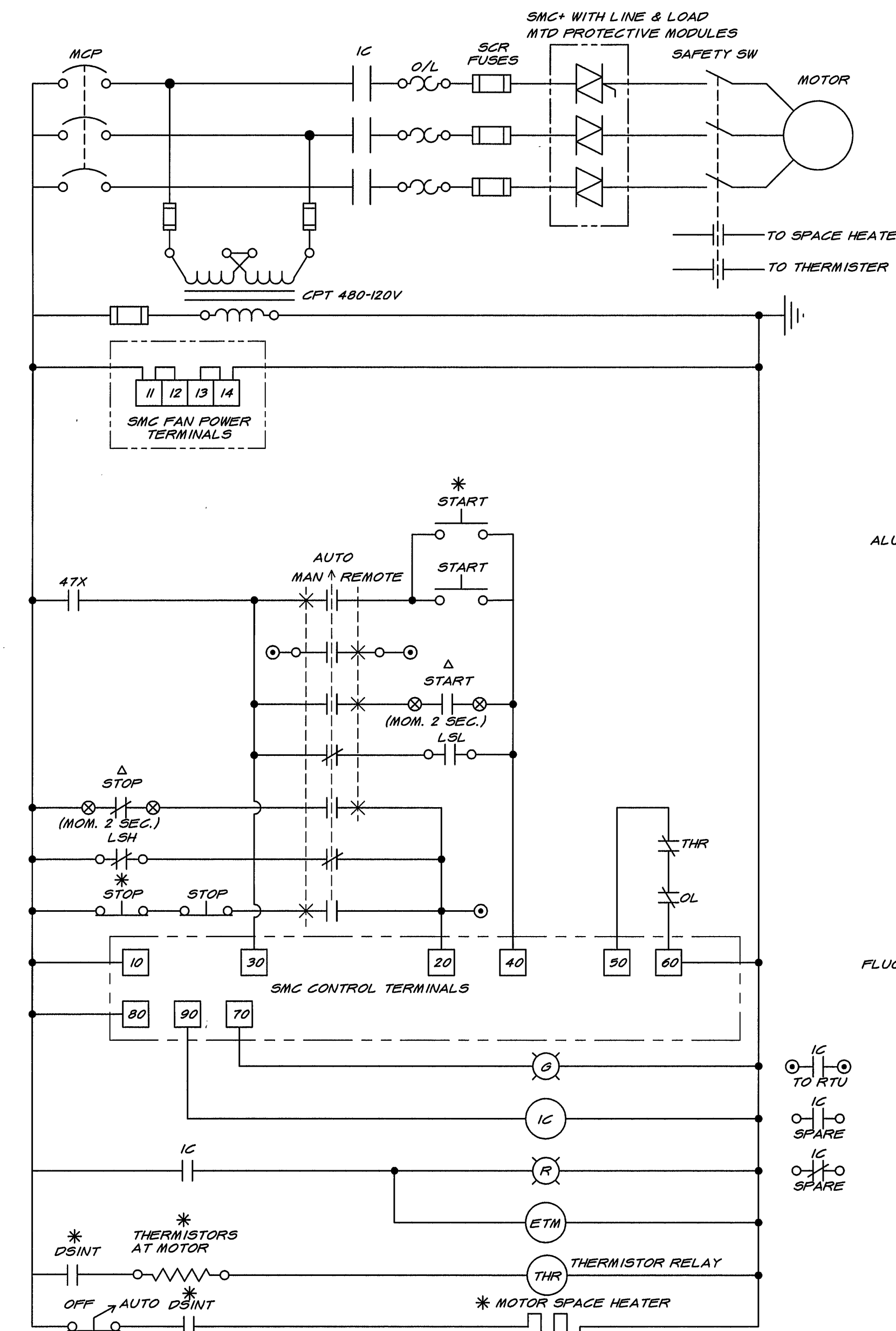




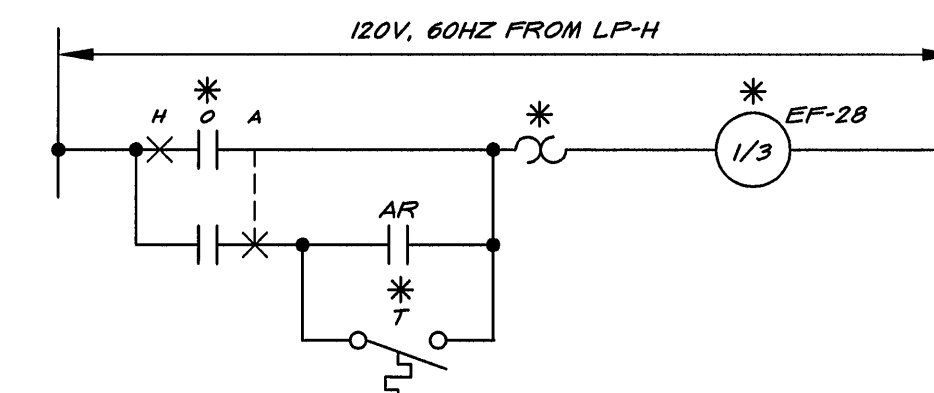
FILTER NO. 1 CONTROL SCHEMATIC
(TYP. FOR FILTERS NO. 2 THRU NO. 10)



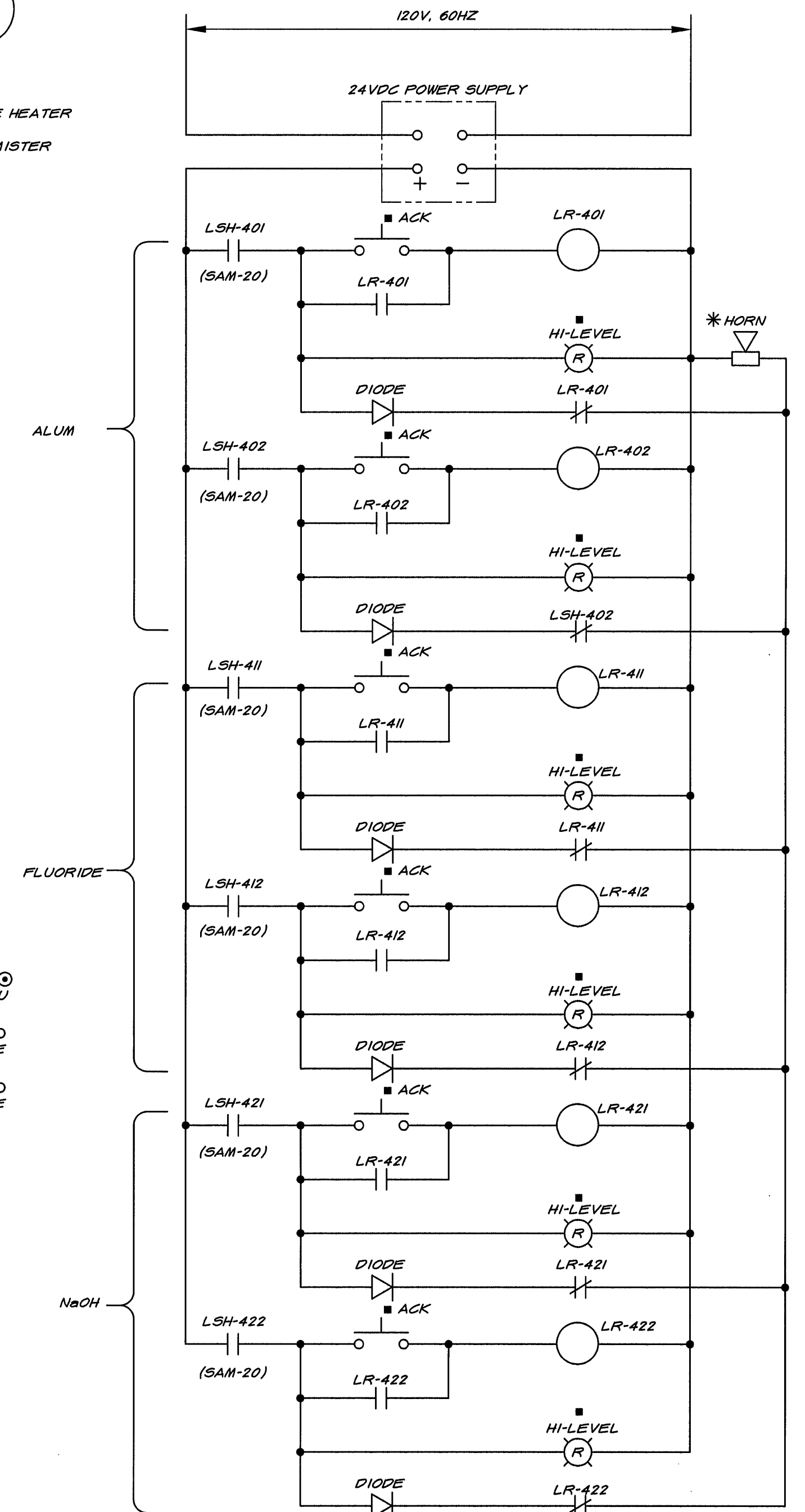
BACKWASH & SURFACE WASH RATE CONTROL CIRCUIT



WASHWATER PUMP NO. 1
(TYP. FOR WW PUMP NO. 2)



AMMONIA ROOM EXH. FAN EF-28



CHEMICAL STORAGE TANK HIGH LEVEL ALARMS
CHEMICAL BUILDING 1

(TYP. FOR CHEM. BLDG. 2 - EXCEPT ONLY
4 TANKS - 2 ZINC ORTHOPHOS. (451 & 452)
& 2 POLYMER (462 & 472)

LEGEND

- * LOCAL
- △ MTD IN RTU
- MTD IN FOP
- INPUT TO RTU
- ⊗ OUTPUT FROM RTU
- DSINT ELEC INTERLOCK IN MOTOR SAFETY SW
- AT CHEMICAL FILL PANELS

DRAWING OF RECORD

DATE: SEP 30 1997

MATTERN & CRAIG
CONSULTING ENGINEERS • SURVEYORS
ROANOKE VIRGINIA

ALVORD, BURDICK & HOWSON
ENGINEERS CHICAGO

DESIGNED: KCC

DRAWN: KGP

CHECKED: KCC



REV.	DATE	DESCRIPTION	BY	APP.

CARVINS COVE FILTER PLANT IMPROVEMENTS - PHASE I

ROANOKE, VIRGINIA

ELECTRICAL CONTROL ELEMENTARY DIAGRAMS - 1

DATE
APRIL 1992

COMM. NO.
9130

SHEET
E4