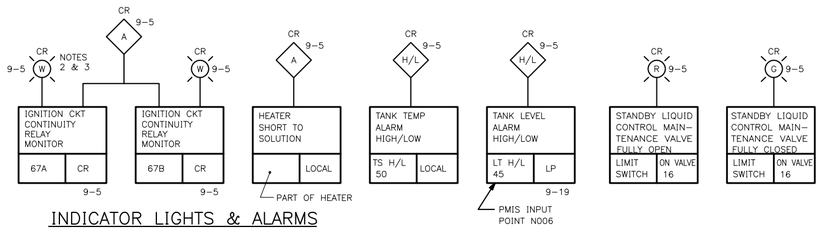
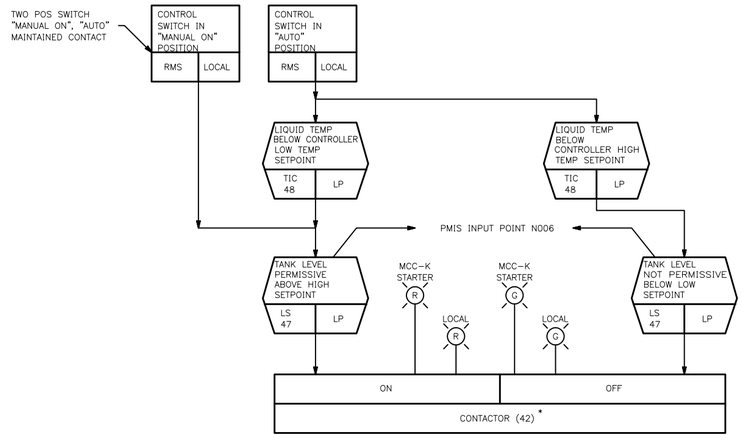
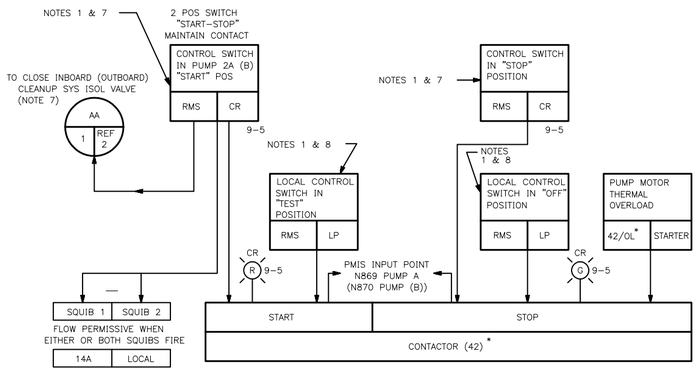


INDICATOR LIGHTS & ALARMS



STANDBY LIQUID CONTROL TANK HEATER

MCC–K



EXPLOSIVE VALVE 14A

TYPICAL FOR VALVE 14B

LIQUID CONTROL PUMP A MCC–K

TYPICAL FOR PUMP B (NOTE 7) (MCC–S)

NOTES:

1. EACH RMS CONTROL SWITCH IS KEYLOCKED IN "STOP" POSITION. SWITCH BYPASSES CONTINUITY MONITOR IN "START" POSITIONS TO FIRE VALVE SQUIBS.
2. CONTINUITY INDICATING LIGHT IS ON WHEN IGNITION CIRCUIT HAS CONTINUITY THROUGH ITS RESPECTIVE SQUIB CIRCUIT, ANNUNCIATOR ALARMS AND LIGHT GOES OUT UPON LOSS OF CONTINUITY IN EITHER IGNITION CIRCUIT.
3. CONTINUITY MONITOR CIRCUIT SHALL BE CURRENT LIMITED AND DESIGNED TO PREVENT ACCIDENTAL IGNITION OF EXPLOSIVE VALVES.
4. AUXILIARY RELAYS AND DEVICES NOT DRAWN ON FUNCTIONAL DIAGRAM.
5. ALL EQUIPMENT AND INSTRUMENTS ARE PREFIXED BY 11 UNLESS OTHERWISE SHOWN.
6. FOR LOCATION AND IDENTIFICATION OF INSTRUMENTS, SEE INSTRUMENT DATA SHEET LISTED IN MPL FOR EACH INSTRUMENT.
7. STARTING PUMP A(B) FROM FROM THE CONTROL ROOM FIRES SQUIB VALVE 14A(14B) AND CLOSES THE INBOARD (OUTBOARD) CLEAN–UP SYSTEM ISOLATION VALVE.
8. STARTING PUMP A(B) FROM LOCAL PANEL CONTROL SWITCH WHEN TESTING DOES NOT FIRE SQUIB VALVE OR CLOSE RWCU ISOLATION VALVE.

REFERENCE DRAWINGS:

1. 718E834BC — P&ID STANDBY LIQUID CONTROL SYSTEM
2. 729E916BB — FCD REACTOR WATER CLEANUP (12–202)
3. 209A4756 — LOGIC SYMBOLS

LEGEND:

* –SWITCHGEAR DEVICE

AS BUILT
452007003

CADD DRAWING
DO NOT REVISE MANUALLY

* THIS DRAWING GENERATED BY NPPD

** FOR PREVIOUS REVISIONS SEE SUPERSEDED CARDS

NO.	REVISIONS	DFT	CKD	APP	DATE
NO3	DEPTD 2–21359 (DCN 98–0144)	CRW	JAC	KG	3–29–98
** NO2	REVISED AND REDRAWN PER APA DCN C93–1819	TRU	JAC	AGB	11–23–93
NO.	REVISIONS	DFT	CKD	APP	DATE

DCN REVISIONS BY N.P.P.D.

SIGNIFICANT NUMBER							
GROUP	1	2	3	4	5	6	

COOPER NUCLEAR STATION
STANDBY LIQUID CONTROL SYSTEM
FUNCTIONAL CONTROL DIAGRAM

DRAWN	TRU	DATE	10/07/93
CHECKED	JAC	DATE	11–1–93
APPROVED	AGB	DATE	11–23–93
FILMED			

GENERAL ELECTRIC*

920D225BB SH.1 | REVISION NO3

CADD FILE: C0011072