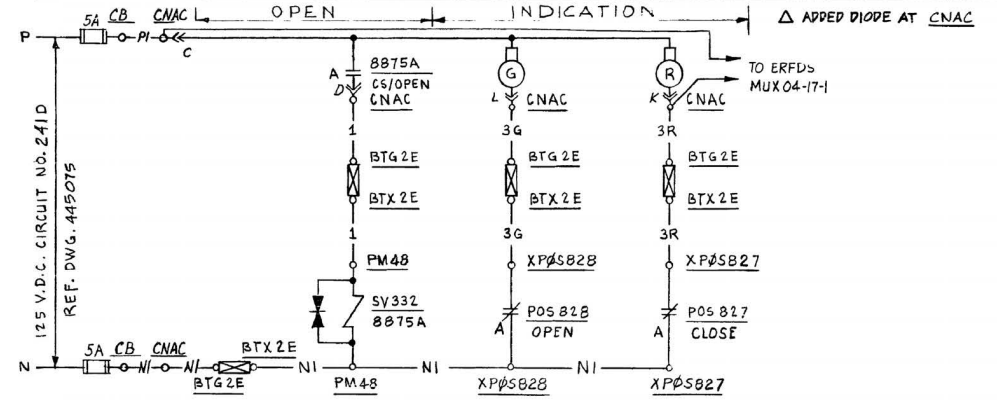


8880 ACCUM N2 SUPPLY HDR CIRCUIT NO RSI118

OTHER S.I.S. VALVES SIMILAR AS SHOWN BELOW. USE DETAIL "A" CONTROL SWITCH FOR ALL VALVES.

VALVE NO.	DESCRIPTION	D.C. CKT. NO.	VALVE LOC. NO.	SOL. VALVE NO.	SOL. VALVE LOC. NO.	CIRCUIT NO.	NORMAL POSITION	ENG. SFGD. FUNCTION	VALVE POSITION SW. (POS.)	LOC. OF CONTROL	SAFETY INJECTION SIGNAL	ISOLATION SIGNAL PHASE A	PENN. NO.	ERFDS
8880	ACCUM N2 SUPPLY HDR.	317D	X8880	357	PM184	RSI118	CLOSED	T	877 878	CNAC		K605		MUX03-12-2
8871	ACCUM TEST ISOL (CONTAINMENT)	317D	X8871	224	PM127	RSI138	CLOSED	T	874 873	CNAC		K605	RNS0A 610-5-4-610-6	12E MUX03-12-1
8901	ACCUM TEST ISOL (CONTAINMENT)	215D	X8901	355	PM184	RSI150	CLOSED	T	890 889	CNAC		K605	RNS0B 610-3-4-610-4	MUX02-23-1
8883	SAFETY INJECTION TEST LINE	215D	X8883	360	PM184	RSI191	CLOSED	T	883 884	CNR		K605	RNS0B 610-5-4-610-6	MUX02-23-2

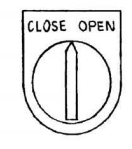


8875A ACCUMULATOR TANK 11 VENT CIRCUIT NO. RSI001

OTHER S.I.S. VALVES SIMILAR AS SHOWN IN TABLE. USE DETAIL "B" CONTROL SWITCH FOR ALL VALVES.

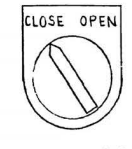
VALVE NO.	DESCRIPTION	D.C. CKT. NO.	VALVE LOC. NO.	SOL. VALVE NO.	SOL. VALVE LOC. NO.	VALVE POSITION SW. (POS.)	LOC. OF CONTROL	CIRCUIT NO.	PENN. NO.	ERFDS
8875A	ACCUM. TANK 11 VENT	241D	X8875A	332	PM49	827 828	CNAC	RSI001	2E	MUX04-17-1
8876A	ACCUM. TANK 11 DRAIN		X8876A	333	PM29	829 830	CNAC	004	2E	
8884A	RHR HX. 1 INJ. TEST W/ REAC. SIDE	241D	X8884A	336	XSV336	835 836	CNR	RSI013	11E	
8885A	1		X8885A	337	XSV337	837 838	CNR	016	11E	
8884B	2		X8884B	338	XSV338	839 840	CNR	019	11E	
8885B	1		X8885B	339	PM122	841 842	CNR	022	11E	
8878A	ACCUM. TANK 11 SUPPLY		X8878A	340	PM29	843 844	CNAC	025	2E	
8875B	ACCUM. TANK 12 VENT		X8875B	341	PM125	845 846	CNAC	028	2E	MUX04-17-2
8876B	ACCUM. TANK 12 DRAIN		X8876B	342	PM66	847 848	CNAC	031	2E	
8878B	ACCUM. TANK 12 SUPPLY	241D	X8878B	345	PM66	853 854	CNAC	RSI040	2E	
8875C	ACCUM. TANK 13 VENT		X8875C	346	PM46	855 856	CNAC	043	11E	MUX04-17-3
8876C	ACCUM. TANK 13 DRAIN		X8876C	347	PM69	857 858	CNAC	046	11E	
8878C	ACCUM. TANK 13 SUPPLY	241D	X8878C	350	PM69	863 864	CNAC	RSI055	2E	
8875D	ACCUM. TANK 14 VENT		X8875D	351	PM162	865 866	CNAC	058	2E	MUX04-17-4
8876D	ACCUM. TANK 14 DRAIN		X8876D	352	PM71	867 868	CNAC	061	2E	
8878D	ACCUM. TANK 14 SUPPLY	241D	X8878D	356	PM70	875 876	CNAC	RSI073	2E	

(TABLE CONTINUED ON SIDE)



CONTACT	POSITIONS			REMARKS
	CLOSE	NEUT.	OPEN	
0-1-0 A	X			SPARE
0-1-0 B			X	THIS DWG.
0-1-0 C		X	X	THIS DWG.
0-1-0 D	X	X		SPARE

CONTROL SWITCH
 USED AT LOCATIONS CNAC, CNR.
 SPRING RETURN TO NEUTRAL FROM OPEN.



CONTACT	POSITIONS			REMARKS
	CLOSE	NEUT.	OPEN	
0-1-0 A			X	THIS DWG.
0-1-0 B	X			SPARE

CONTROL SWITCH
 USED AT LOCATIONS CNAC, CNR.
 NO SPRING RETURN.

CONTACTS	POSITIONS		REMARKS
	CLOSE & INTERM.	OPEN	
0-1-0 A	X		GREEN LIGHT
0-1-0 B		X	SPARE
0-1-0 C	X	X	SPARE
0-1-0 D		X	SEE NOTE

VALVE OPEN POSITION SWITCH
 NOTE: SEAL IN FOR POS 873, 878, 889,
 884. SPARE FOR ALL OTHER POS'S

CONTACTS	POSITIONS		REMARKS
	CLOSE	OPEN & INTERM.	
0-1-0 A		X	RED LIGHT
0-1-0 B	X		SPARE
0-1-0 C	X	X	SEE NOTE
0-1-0 D	X		SPARE

VALVE CLOSE POSITION SWITCH
 NOTE: MONITOR LT FOR POS 874, 877,
 883, 890. SPARE FOR ALL OTHER POS'S

DEVICE NO.	FUNCTION	RATING	MFR.	TYPE	CAT. / DWG. NO.	REMARKS
SV360	SOLENOID VALVE					
357, 332, 333, 336, 337, 338, 339, 340, 341, 342						
345, 346, 347, 350, 351, 352, 356						
224, 355, 360, 369, 390, 391, 394						
88	FLOW CONTROL VALVE					SEE TABLE FOR VALVE
POS	VALVE POSITION SWITCH					SEE TABLE FOR SWITCH
K605	CONTAINMENT ISOLATION PHASE A AUX. RELAY				(13)	

EQUIPMENT LOCATION NUMBERS

- CNR --- CONTROL BOARD RESIDUAL HEAT
- CNAC --- CONTROL BOARD ACCUMULATOR SERVICE
- RNS0A --- NUCLEAR SAFEGUARD OUTPUT RACK A
- PM64 --- MECH. PANEL NO. 64 ACCUMULATOR TANK 11A

- BTG26E --- TERMINAL BOX G 26E
- BTH10 --- TERMINAL BOX H 110
- X8880 --- FLOW CONTROL VALVE 8880

REFERENCE DRAWINGS

- EQUIPMENT LOCATION NUMBERS --- DWG. NO. 101900
- DESCRIPTION OF ELECT. SCHEMATIC DIAGRAM SYMBOLS AND CIRCUIT DESIGN --- DWG. NO. 050003
- PIPING SCHEMATIC - SAFETY INJECTION SYSTEM --- DWG. NO. 102009
- INSTRUMENT SCHEMATIC - FLOW INSTRUMENT SYSTEM --- DWG. NO. 102032
- SINGLE LINE METER & RELAY 125 V.D.C. SYSTEM, 4H.1 --- DWG. NO. 437546
- CIRCUIT SCHEDULE - NUCLEAR CONTROL --- DWG. NO. 103072
- DELETED
- FUNCTION DIAGRAMS --- REC. NO. 603195
- SOLID STATE PROTECTION SYSTEM --- REC. NO. 603231
- SCHEMATIC DIAGRAM MONITOR LIGHT BOX B, C --- DWG. NO. 437697
- BLOCK DIAG. ERFDs TECH. SUPPORT CENTER & CONTROL ROOM --- DWG. NO. 445278
- SINGLE LINE METER & RELAY 125V DC SYSTEM, 4H.2 --- DWG. NO. 445075
- SCHEM DIAG SSPS OUTPUT RELAYS, TRAIN A, TRAIN B --- DWG. NO. 501869, 503088

VALVE NOS.:

- 8880, 8875A, 8876A, 8884A, 8885A, 8884B, 8885B, 8878A, 8875B, 8876B, 8878B, 8875C, 8876C, 8878C, 8875D, 8876D, 8878D, 8883, 8871, 8961, 8823, 8824, 882E, 8884C, 8884D

(TABLE CONTINUED)

VALVE NO.	DESCRIPTION	D.C. CKT. NO.	VALVE LOC. NO.	SOL. VALVE NO.	SOL. VALVE LOC. NO.	VALVE POSITION SW. (POS.)	LOC. OF CONTROL	CIRCUIT NO.	PENN. NO.	ERFDS
8823	COLD LEG LOOPS 1-4 TEST	241D	X8823	366	PM122	808 810	CNR	RSI160	2E	
8824	HOT LEG LOOPS 1-4 TEST		X8824	369	PM122	812 814	CNR	RSI165	2E	
8825	RHR TO HOT LEGS 1-4 TEST		X8825	390	PM67	816 817	CNR	RSI170	2E	
8884C	HOT LEG LOOP 3 TEST		X8884C	391	PM122	891 894	CNR	RSI175	2E	
8884D	HOT LEG LOOP 4 TEST		X8884D	394	XSV394	900 902	CNR	RSI180	2E	

KEY DWG. SECTION 4

NUCLEAR SAFETY RELATED

DATE: 10-28-2010	REVISION DESCRIPTION: REVISED PER DDW-2498-1	DWG. SCALE: I & C
D.D.: MWRU		SUPD BY: SCHEMATIC DIAGRAM SAFETY INJECTION SYSTEM SOLENOID VALVES
R.E.: FXC2		SUPD BY: PACIFIC GAS AND ELECTRIC COMPANY SAN FRANCISCO, CALIFORNIA
I.V.:		DRAWING: 437588
P.E.: AGB2		SHEET: 1