



PUMP, VALVE AND CONTROL TABULATION					
REF. DESIG.	DEVICE	FUNCTION	SWITCH	INDICATOR LAMPS	LOCATION
				RED AMBER OTHER	MTG LOC.
G33-F035	DRAIN TO WASTE COL. V	51	X	X	H12-P680-01C
G33-F034	DISCH TO MAIN COND V	52	X	X	H12-P680-01C
G33-F031	RO BYPASS VALVE	53	X	X	H12-P680-01C
G33-F042	RETURN ISOL VALVE	54	X	X	H12-P680-01C
G33-C001A	CLEANUP RECIRC PUMP A	55A	X	X	H12-P680-01C
G33-C001B	CLEANUP RECIRC PUMP B	55B	X	X	H12-P680-01C
G33-F044	CLEANUP 1 DEMIN BYPASS VALVE	56	X	X	H12-P680-01C
G33-F100	CLEANUP LINE FROM 'A' RECIRC LOOP VALVE	57	X	X	H12-P680-01C
G33-F101	VESSEL DRAIN LINE RECIRC VALVE	58	X	X	H12-P680-01C
G33-F102	CLEANUP LINE SUCTION INSIDE CONTAINMENT VLV	59	X	X	H12-P680-01C
G33-F104	CLEANUP SYS BYPASS VALVE	510	X	X	H12-P680-01C
G33-F106	CLEANUP LINE FROM 'B' RECIRC LOOP VALVE	511	X	X	H12-P680-01C

SH. NO.	INDEX
1	NOTES, REFS., VLV. CONT., RELAY TAB.
2	ANN. PWR. DISTR., SW. DEV.
3	METERS, RECORDERS, INSTRUMENTS
4	PUMP LOGIC, INSTRUMENTS, METERS
5	DCS AND PMS COMPUTER INPUT

- NOTES:
- UNLESS OTHERWISE INDICATED, THE FOLLOWING REFERENCE DESIGNATIONS SHOWN ON THIS DIAGRAM ARE PREFIXED WITH G33A--.
  - FOR POWER DISTRIBUTION SEE SH.2, FIG. 1.
  - FOR POWER DISTRIBUTION SEE SH.2, FIG. 2.
  - FOR POWER DISTRIBUTION SEE SH.2, FIG. 2.
  - FURNISHED AND INSTALLED BY OTHERS.
  - AS SHOWN, SEAL-IN CONTACTS FROM THE VALVE MOTOR CONTROL CIRCUITRY ON ALL THROTTLING CONTROL VALVES.
  - INTRA-PANEL PROCESS INSTRUMENTATION SIGNAL LEADS SHALL BE BUNDLED AND ROUTED SEPARATELY FROM AC AND DC POWER WIRING PER 22-2714 REV. 2.
  - DROPPING RESISTORS ARE LOCATED IN MCC.
  - SHOULD BE FED FROM DIV. 1 STANDBY POWER SUPPLY.
  - THIS CONNECTOR (JACK AND PLUG) IS IDENTIFIED BY THE SAME NUMBER AS THE ASSOCIATED LINE CODE. LINE CODES ARE DCS (C44) REF. 9.
  - ALL PGCC SUPPLIED CABLES ARE NON-DIVISIONAL REFERENCE DOCUMENTS.
- G33-1010 REACTOR WATER CLEANUP SYS. PAID
  - B21-1090 NUCLEAR STEAM SUPPLY SHUTOFF SYS. ELEM. DIAG. B21H
  - G33-1020 REACTOR WATER CLEANUP SYS. FCD
  - H12-2020 PGCC CONNECTION DRAWING LIST
  - C54-1080 POWER RANGE NEUTRON MON. SYS. ELEM. DIAG.
  - B21-1080 JET PUMP INSTRUMENTATION SYS. ELEM. DIAG.
  - C52-1050 FEEDWATER CONTROL SYS. ELEM. DIAG.
  - B21-1050 NUCLEAR BOILER PROCESS INSTRUMENTATION SYS. ELEM. DIAG.
  - C44-1010 DISPLAY CONTROL SYSTEM (ELEM. DIAG.)

LIMITORQUE SWITCH CONTACT DEVELOPMENT					
CONTACT NUMBER	VALVE POSITION			FUNCTION	
	FULL OPEN	A	B	FULL CLOSED	
LS1					BY-PASS CKT
LS2					SPARE
LS3					IND. LIGHT
LS4					OPEN LIMIT
LS5					BY-PASS CKT
LS6					SPARE
LS7					IND. LIGHT
LS8					SPARE
LS9					SPARE
LS10					DCS / SPARE
LS11					SPARE
LS12					SPARE
LS13					SPARE
LS14					SPARE / DCS
LS15					SPARE
LS16					SPARE

(ROTOR 3 & 4 CONTACTS LS9 THRU LS12 & LS13 THRU LS16) CAN BE SET AT VALVE POSITION FULL OPEN, FULL CLOSED, OR ANY POSITION IN BETWEEN AS INDICATED BY POINTS A & B.

- LEGEND:
- TS17---CLOSING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF MECHANICAL OVERLOAD OCCURS DURING CLOSING CYCLE OR FULLY CLOSED VALVE.
  - TS18---OPENING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF MECHANICAL OVERLOAD OCCURS DURING OPENING CYCLE.
  - CLOSE CONTACT
  - OPEN CONTACT

GE TYPE CR2020 RELAY TAB. (TORU)									
LI	L2	A1	A2	B1	B2	A3	A4	B3	B4
5A	5A	5A	5A	5A	5A	5A	5A	5A	5A
5A	5A	5A	5A	5A	5A	5A	5A	5A	5A
5A	5A	5A	5A	5A	5A	5A	5A	5A	5A

AGASTAT TYPE GPI RELAY TABULATION									
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10
5A	5A	5A	5A	5A	5A	5A	5A	5A	5A
5A	5A	5A	5A	5A	5A	5A	5A	5A	5A
5A	5A	5A	5A	5A	5A	5A	5A	5A	5A

AGASTAT TIME DELAY RELAY (TDD) TABULATION									
G33-R61A	5A	5A	5A	5A	5A	5A	5A	5A	5A
G33-R61B	5A	5A	5A	5A	5A	5A	5A	5A	5A
G33-R61C	5A	5A	5A	5A	5A	5A	5A	5A	5A
G33-R61D	5A	5A	5A	5A	5A	5A	5A	5A	5A

RECORD MYLAR UNIT 2

UNCONTROLLED DOCUMENT FOR REFERENCE ONLY

PRO APERTURE CARD

10	11	12	13	14	15	16	17	18	19	20
10	11	12	13	14	15	16	17	18	19	20
10	11	12	13	14	15	16	17	18	19	20

10	11	12	13	14	15	16	17	18	19	20
10	11	12	13	14	15	16	17	18	19	20
10	11	12	13	14	15	16	17	18	19	20



RIDS

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