

AGASTAT TYPE GFI RELAY TABULATION

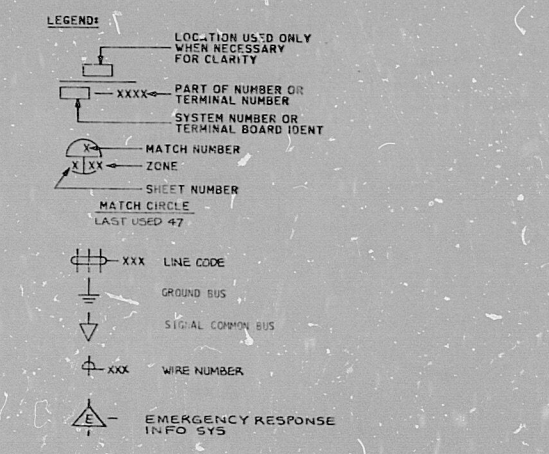
REF DESIG	FUNCTION	SWITCH	INDICATOR LAMPS	LOCATION
LEVEL A, B	SI			H13-P680-3C 3
ELEMENT SEL.	S2			H13-P680-3C 3
HIGH LEVEL TRIP "A"	S4A		AMBER	H13-P680-3C 3
HIGH LEVEL TRIP "B"	S4B		AMBER	H13-P680-3C 3
HIGH LEVEL TRIP "C"	S4C		AMBER	H13-P680-3C 3
CONTROL SIGNAL FAILURE "A"	S5A		AMBER	H13-P680-3C 3
CONTROL SIGNAL FAILURE "B"	S5B		AMBER	H13-P680-3C 3
CONTROL SIGNAL FAILURE "C"	S5C		AMBER	H13-P680-3C 2
"A" LEVEL SELECTED			AMBER	H22-P027 3
"B" LEVEL SELECTED			AMBER	H22-P027 3
"A" LEVEL OUT OF SERVICE	S6		AMBER	H13-P680-3C 3
"B" LEVEL OUT OF SERVICE	S7		AMBER	H13-P680-3C 2
LEVEL SIGNAL FAILURE			AMBER	H13-P680-3C 2
SETPOINT SETDOWN	S6		AMBER	H13-P680-3C 3

PUMP, VALVE AND CONTROL TABULATION

REF DESIG	FUNCTION	SWITCH	INDICATOR LAMPS	LOCATION
LEVEL A, B	SI			H13-P680-3C 3
ELEMENT SEL.	S2			H13-P680-3C 3
HIGH LEVEL TRIP "A"	S4A		AMBER	H13-P680-3C 3
HIGH LEVEL TRIP "B"	S4B		AMBER	H13-P680-3C 3
HIGH LEVEL TRIP "C"	S4C		AMBER	H13-P680-3C 3
CONTROL SIGNAL FAILURE "A"	S5A		AMBER	H13-P680-3C 3
CONTROL SIGNAL FAILURE "B"	S5B		AMBER	H13-P680-3C 3
CONTROL SIGNAL FAILURE "C"	S5C		AMBER	H13-P680-3C 2
"A" LEVEL SELECTED			AMBER	H22-P027 3
"B" LEVEL SELECTED			AMBER	H22-P027 3
"A" LEVEL OUT OF SERVICE	S6		AMBER	H13-P680-3C 3
"B" LEVEL OUT OF SERVICE	S7		AMBER	H13-P680-3C 2
LEVEL SIGNAL FAILURE			AMBER	H13-P680-3C 2
SETPOINT SETDOWN	S6		AMBER	H13-P680-3C 3

INDEX

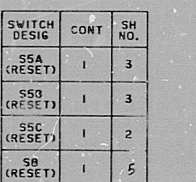
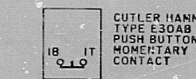
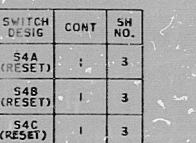
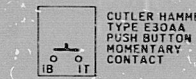
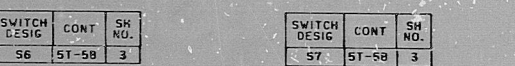
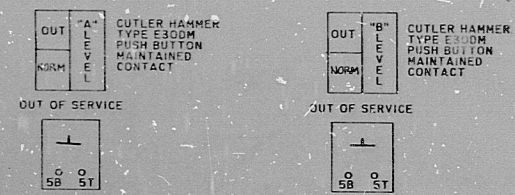
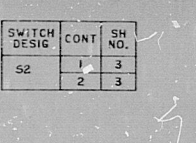
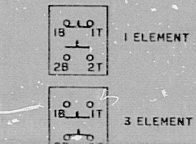
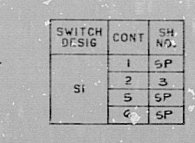
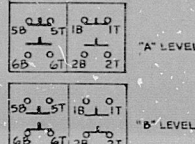
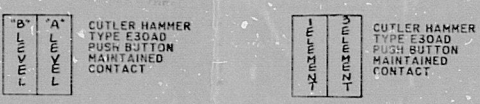
SH.	CONTENT
1	SWITCH DEVELOPMENT, TABULATION, NOTES, REFERENCE
2	WATER DISTRIBUTION, ANN., COMPUTER INPUTS
3	INSTRUMENT LOOPS, READOUTS, TRIP LOGIC
4	INSTRUMENT LOOPS, READOUTS
5	INSTRUMENT LOOPS, READOUTS
6	TERMINATION CABLE INTERFERENCE DEFINITION
7	ERIS SIGNALS



- NOTES:
- UNLESS OTHERWISE INDICATED, THE FOLLOWING REFERENCE DESIGNATIONS SHOWN ON THIS DIAGRAM ARE PREFIXED WITH C33A.
 - INTRA-PANEL PROCESS INSTRUMENTATION SIGNAL LEADS SHALL BE BUZZED AND ROUTED SEPARATELY FROM ALL OTHER WIRING.
 - ALARM AND TRIP CONTACTS ARE SHOWN IN DE-ENERGIZED POSITION UNLESS OTHERWISE NOTED.
 - FOR POWER DIST. SEE SH. 2, FIG. 1.
 - FOR POWER DIST. SEE SH. 2, FIG. 2.
 - FOR POWER DIST. SEE SH. 2, FIG. 3.
 - FOR POWER DIST. SEE SH. 2, FIG. 4.
 - INDICATING LIGHTS ARE TYPE E18 AND SUPPLIED WITH PANEL EXCEPT ON P-300. THEY ARE 115V/18.5W. MODULE WITH 176A1033 LAMP.
 - SEPARATE POWER SOURCES REQUIRED FOR HIGH LEVEL TRIP CHANNELS.
 - TERMINATION CABLE INTERFERENCE DEFINITION IS SHOWN ON SHEET 6.
 - ERIS SIGNAL LOADING ON C33-1050 SYSTEM SHALL NOT EXCEED 0.005 VOLTS.
 - ALL ERIS WIRING SHALL BE PER REFERENCE DOCUMENTS 9 AND 10.
 - EXCITATION VOLTAGE SUPPLIED BY ANDS 5500 9130 LANYARD POT CARD. ERIS SIGNAL DEPICTS SIGNAL PICKOFF ONLY.

AGASTAT TYPE "O"2A0 RELAY TABULATION (TDP-AC FORM)

REF DESIG	FUNCTION	SWITCH	INDICATOR LAMPS	LOCATION
K10 SH. 5	C33-K653			C33-FO01A SH. 3
K11 SH. 5	IND LAMP SH. 5	SP		C33-FO01B SH. 3
K12 SH. 5	SEE SH. 4	SEE SH. 4		C33-FO01C SH. 2



AGASTAT TYPE GPB RELAY TABULATION

REF DESIG	FUNCTION	SWITCH	INDICATOR LAMPS	LOCATION
K13A SH. 2	K13A SH. 2	SP		SP
K13B SH. 2	K13B SH. 2	SP		SP
K14A SH. 2	K14A SH. 2	SP		SP
K14B SH. 2	K14B SH. 2	SP		SP
K15A SH. 2	K15A SH. 2	SP		SP
K15B SH. 2	K15B SH. 2	SP		SP
K16A SH. 2	K16A SH. 2	SP		SP
K16B SH. 2	K16B SH. 2	SP		SP

TI APERTURE CARD

REFERENCE DOCUMENTS:

- C33-1070 FEEDWATER CONTROL SYS I.E.D. PROCESS COMPUTER I/O LIST
- C33-4010 FEEDWATER CONTROL SYS. DATA SHEET
- C33-1030 REACTOR RECIRCULATION SYS ELEM D115 (031A)
- C33-1030 NUC BORNER PRES INSTR SYS ELEM D116 (031A)
- A62-4010 SPECIAL WIRE & CABLE SPECIFICATION
- C33-3050 FEEDWATER CONTROL SYS I/O
- C33-1050 REACTOR WATER CLEAN-UP ELEM DIAG (033A)
- C33-1050 ERIS ELEM DIAG
- A62-4050 ELECT. EQUIP. SEPARATION FOR PROTECTION SYS.

LAST LINE CODE - 114

NO.	DATE	BY	REVISION
1	11/15/68
2
3
4
5
6
7
8
9
10
11
12

8412200132

PDR RIDS

