

UNLESS OTHERWISE SPECIFIED USE THE FOLLOWING:
 APPLIED PRACTICES SURFACES

OVERALL REVISION	SUMMARY SHEET REV
10	1 10
	2 8
	3 9
	4 10
	5 8

FCF: 238X113AE G14G2 (B21-1040)

CONTROL TABULATION & DESCRIPTION						
REF DESIG	DEVICE FUNCTION	SWITCH	INDICATOR LAMPS			LOCATION
			RED	AMBER	OTHER	
B21-F001	HEAD VENT MOV	S1	X	X	-	H12-P801-16C 4
B21-F002	HEAD VENT MOV	S2	X	X	-	H12-P801-16C 4
B21-F005	HEAD VENT MOV	S3	X	X	-	H12-P801-16C 4
B21-F020	STEAM LINE EQUALIZER MOV	S8	X	X	-	H12-P801-20C 4
B21-F021	STEAM LINE DRAIN MOV	S9	X	X	-	H12-P801-20C 4
B21-F011A	FEEDWATER INLET SHUTOFF MOV	BY A.E.	X	X	-	H12-P880-03C 4
B21-F011B	FEEDWATER INLET SHUTOFF MOV	BY A.E.	X	X	-	H12-P880-03C 4
B21-F074A	FEEDWATER INLET CHECK SOV	S6	XX	XX	-	H12-P880-03C 5
B21-F074B	FEEDWATER INLET CHECK SOV	S7	XX	XX	-	H12-P880-03C 5
B21-F032A	FEEDWATER INLET CHECK MOV	S11 S13	X	X	-	H12-P880-03C 4
B21-F032B	FEEDWATER INLET CHECK MOV	S12 S14	X	X	-	H12-P880-03C 4

LEGEND:

- ⊕ CONN. TO GROUND BUS
- ⊖ CONN. TO SIGNAL COMMON BUS (ISOLATED)
- ⊕ PMS COMPUTER INPUT
- ⊖ PGCC LINE CODE
- ⊕ DCS COMPUTER INPUT
- ⊕ PGCC CONNECTOR

NOTES:

1. UNLESS OTHERWISE INDICATED, THE FOLLOWING REFERENCE DESIGNATIONS SHOWN ON THIS DIAGRAM ARE PREFIXED WITH B21A--.
2. INPUTS FROM 12 THERMOCOUPLES VIA JUNCTION BOX. SEE TABLE 1 FOR IDENT. LOCATION & RECORDER INPUT TERM NOS.
3. THERMOCOUPLE WIRES FROM 29 POINTS ARE TO BE TERMINATED IN JUNCTION BOX. THOSE INDICATED IN TABLE 1 ARE TO BE BROUGHT FROM JUNCTION BOX TO RECORDER B21-ROOB. (TOTAL OF 12) & B21-ROOT (TOTAL OF 2).
4. INTRA-PANEL PROCESS INSTRUMENTATION SIGNAL LEADS SHALL BE BUNDLED AND ROUTED SEPARATELY FROM AC & DC POWER WIRING PER. REF. 1.
5. FOR POWER DISTRIBUTION SEE SH. 2.
6. AE TO PROVIDE DROPPING RESISTOR IN MCC.
7. TEMP TRANSMITTER AND TEMP ELEMENT ARE A MATCHED PAIR & MUST BE INSTALLED AS SUCH.
8. GROUND ALL THERMOCOUPLE SHIELD IN JUNC BOX.
9. AE TO VERIFY FUSE REQUIREMENTS FOR B21-F074AB CONTROL LOGIC.
10. ALL INDICATOR LIGHTS ARE PER 1958-9854.
11. 24VAC TO BE SUPPLIED FROM THE SAME SOURCE THAT SUPPLIED POWER TO THE POWER SUPPLY PROVIDING 24VDC POWER TO THE RECORDER.
12. ALL PGCC SUPPLIED CABLES ARE NON-DIVISIONAL.
13. THIS CONNECTOR (JACK AND PLUG) IS IDENTIFIED BY SAME NUMBER AS THE ASSOCIATED LINE CODE.
14. DCS LINE CODE IDENT TO RESPECTIVE REMOTE ANALOG UNIT OR REMOTE DIGITAL UNIT SHOWN FOR REF ONLY.
15. AE TO SUPPLY CLASS IE POWER AS NOTED.

REFERENCE DOCUMENTS:

1. AG1-4010 SPECIAL WIRE & CABLE SPEC.
2. B31-1010 RECIRCULATION PUMP PBID.
3. B21-1010 NUCLEAR BOILER PBID.
4. B21-1080 JET PUMP INSTRUMENTATION. ELEM DIAG (B21E)
5. G33-1010 REACTOR WATER CLEANUP PBID.
6. C32-1020 FEEDWATER CONTROL SYS ELEM DIAG (C32A)
7. G33-1040 REACTOR WATER CLEANUP ELEM DIAG (G33A)
8. B21-1090 NUCLEAR STEAM SUPPLY SHUTOFF SYS ELEM DIAG (B21M)
9. B11-A001 VESSEL PURCHASE PART DRAWING
10. B21-1030 NUCLEAR BOILER FCD
11. REMOVED
12. C34-4030 DISPLAY CONTROL SYSTEM I/O LIST

LINE CODE: 6-16, 52, 53, 60-68, 100, 101, 112-114
 THIS SH: NONE
 REF LINE CODE: C94-703, 705, 713, 715, 723, 725, 733, 735, 804, 824

AGASTAT TYPE GPI RELAY TABULATION (AC)														
MTG LOC	B1	B4	T1	M1	R1	T2	K2	R2	T3	M3	R3	T4	M4	R4
H12-P812	K2A SH5	COMPUTER SH5				SP	SP	SP	SP	SP	SP	SP	SP	SP
H12-P812	K2B SH5	COMPUTER SH5				SP	SP	SP	SP	SP	SP	SP	SP	SP

- NOTES CONT.:
- △6 REPLACE LIMIT SWITCH LS1 WITH LS8 IN THE MOTOR CONTROL LOGIC.
 - △7 COMPONENT MUST BE APPROVED FOR CLASS IE USE.
 - △8 WIRING OF COMPONENTS TO BE ENCLOSED IN CONDUIT OR METAL CANS. USE RIGID CONDUIT WHERE POSSIBLE.

10-21-82

NO.	DATE	BY	REVISION
1			
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10			

P.R.C. APERTURE CARD

RECORD-MYLAR UNIT 2

UNCONTROLLED DOCUMENT FOR REFERENCE ONLY

8856-M1-B21-96(1)-11

FF114510

10 CAMPBELL	9 D. HAYES	8 L. FREUER	7 S. H. 41	6 S. H. 41	5 S. H. 41	4 S. H. 41	3 S. H. 41	2 S. H. 41	1 S. H. 41
NU26863	NU27321	NU18978	NU0741 NU14756	NU12397	SA NU04838	NU04097	CH'D BY	GENERAL BOILER CHANGE	NET2051
CHK. BY: D. HAYES	9/30/81	CHK'D BY: S. MEYER	9/30/81						

791E402AE

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30X