

OVERALL REVISION	SUMMARY SHEET REV
1	1
2	2
3	3
4	4
5	5
6	2

FCF: 253A224AA G1G2 (C41-1050)

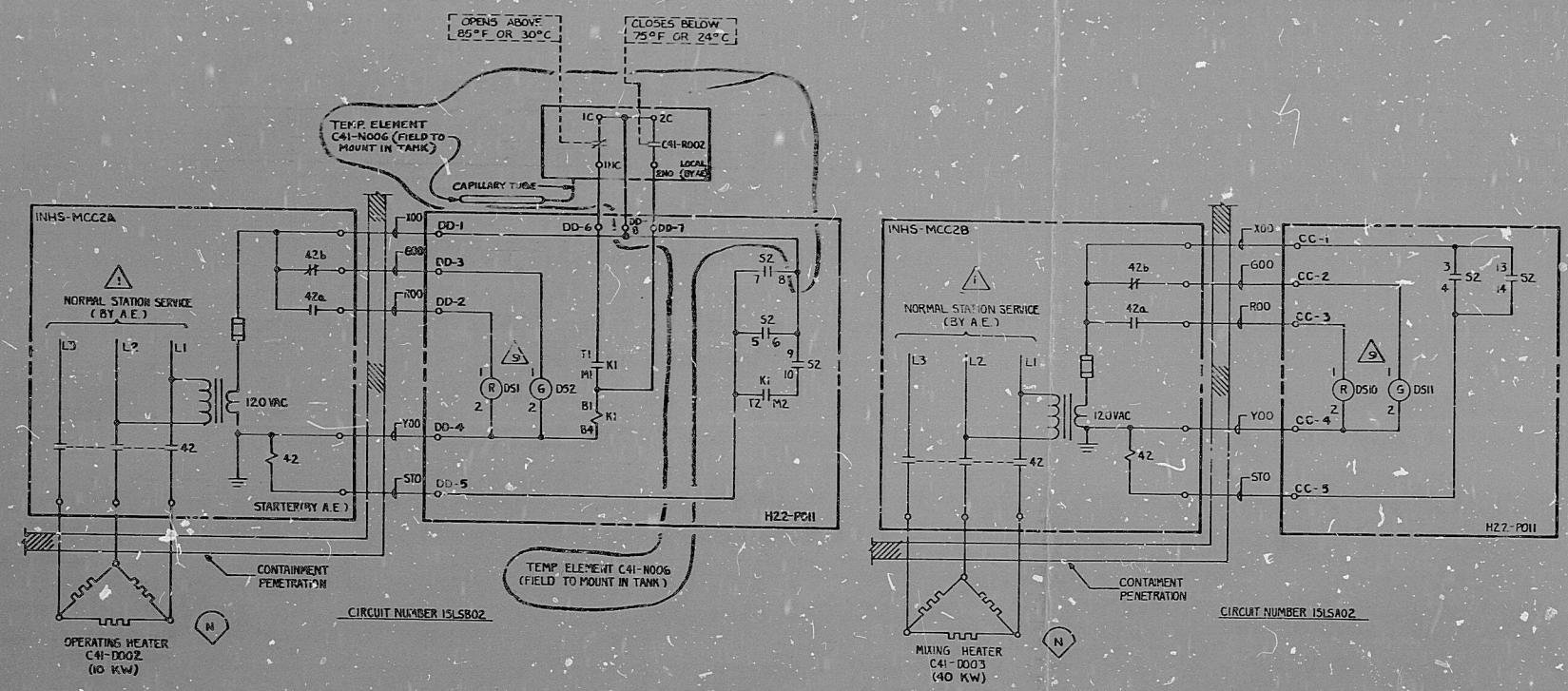
PUMP, VALVE AND CONTROL TABULATION						
REF DESIG	DEVICE DESCRIPTION	SWITCH	INDICATOR LAMPS			LOCATION
			RED	GREEN	OTHER	
C41-C001A	STAND-BY LIQUID PUMP	S1A	X	X		H13-P601-198 4
C41-C001B	STAND-BY LIQUID PUMP	S1B	X	X		H13-P601-188 4
C41-F004A	SQUIB VALVE READY				(AMB) X	H13-P601-198 5
C41-F004B	SQUIB VALVE READY				(AMB) X	H13-P601-188 5
C41-F008	MANUAL INJECTION VALVE		X	X		H13-P601-198 5
C41-D003	MIXING HEATER	S2	X	X		H22-P011 1
C41-D002	OPERATING HEATER	S2	X	X		H22-P011 1
C41-F001A	STORAGE TANK OUTLET VALVE	S1A	X	X		H13-P601-198 3
C41-F001B	STORAGE TANK OUTLET VALVE	S1B	X	X		H13-P601-188 3
C41-F031	TEST TANK OUTLET MANUALLY OPERATED		X	X		H13-P601-198 3
C41-C001A	STAND-BY LIQUID PUMP TEST SWITCHES	S4A/S4B	X	X		H22-P011 4
C41-C001B	STAND-BY LIQUID PUMP TEST SWITCHES	S4B/S4A	X	X		H22-P011 4
	STAND-BY LIQUID "A" INOPERATIVE	S5A			(AMB) X	H13-P601-198 5
	STAND-BY LIQUID "B" INOPERATIVE	S5B			(AMB) X	H13-P601-188 5
	LOSS OF CONTINUITY TO SQUIB VALVE A OR PWR/LOSS				(AMB) X	H13-P601-198 5
	LOSS OF CONTINUITY TO SQUIB VALVE B OR PWR/LOSS				(AMB) X	H13-P601-188 5
	C41-C001A OR C001B OVERLOAD TRIP OR PWR/LOSS				(AMB) X	H13-P601-198 5
	C41-C001B OR F001B OVERLOAD TRIP OR PWR/LOSS				(AMB) X	H13-P601-188 5

AGASTAT TYPE GPI RELAY TABULATION (CAC)											
MTG LOCATION	B1	B4	T1	M1	T2	M2	T3	M3	T4	M4	R4
H22-P011	K1 SH. 1										
H13-P632	K2A SH. 2										
H13-P642	K2B SH. 4										
H13-P632	K3A SH. 4										
H13-P642	K3B SH. 4										

NUCLEAR SAFETY RELATED

SH	CONTEXT
1	TABULATIONS, NOTES, REF. LEGEND, HEATERS
2	SW DEV. PWR DISTR
3	VALVES LOGIC
4	PUMP LOGIC
5	ANN. STATUS LIGHTS, INSTR LOGIC

- NOTES:
- MIXING HEATER POWER SHALL BE SUPPLIED BY A DIFFERENT NORMAL AC POWER SOURCE THAN OPERATING HEATER.
  - UNLESS OTHERWISE INDICATED THE FOLLOWING REFERENCE DESIGNATIONS SHOWN ON THIS DIAGRAM ARE PREFIXED WITH C41-.
- REFERENCE DESIGNATION NAME
- DSXX LIGHTS  
 SRXX SIGNAL RESISTOR UNIT  
 FXX FUSE  
 KXX RELAY  
 SXX SWITCH  
 ZXX SUBASSEMBLY
- INTRA-PANEL PROCESS INSTRUMENTATION (4-20MA OR 1-5V) SIGNAL LEADS SHALL BE BUNDLED AND ROUTED SEPARATELY FROM AC AND DC POWER WIRING PER 20945822.
  - SEE LIMIT STEM SWITCH DEVELOPMENT ON SHEET 2.
  - CONNECTOR ASSEMBLY SUPPLIED WITH VALVE. WIRE SIZE FROM PANEL TO VALVE CONNECTOR SHALL BE COMPATIBLE WITH MS3101A-18-12P M.T. STD.
  - REPLACEMENT FUSE CHARACTERISTICS MUST BE 2 AMP FAST-ACTING AS ORIGINALLY SUPPLIED.
  - ALL P601 INDICATING LIGHTS ARE PER 17046333 AND HOLDER 19589856.
  - SELECT FUSES TO HAVE SUFFICIENT TRANSIENT CURRENT CAPABILITY TO INSURE THE 2 AMP FUSES IN SERIES WITH SQUIBS WILL OPEN CIRCUIT IF WIRE IN SQUIBS SHORT CIRCUITS UPON FIRING.
  - ALL P601 INDICATING LAMPS ARE GE TYPE ET66 AND SUPPLIED WITH PANEL.
  - SWITCH TO BE LOCATED UNDER STATUS LIGHT.
  - FOR LIGHTS SEE 851803. THESE LIGHTS ARE SUPPLIED WITH INTERNAL TEST SWITCH.
  - SEE FIG. 1, SH. 2 FOR POWER DISTRIBUTION.
  - SEE FIG. 2 SH. 2 FOR POWER DISTRIBUTION.
  - SEE FIG. 3 SH. 2 FOR POWER DISTRIBUTION.
  - STEM SWITCH FOR DIV II MUST BE SEPARATED BY FIRE BARRIER OR AT LEAST 6" AIR SPACE FROM DIV I STEM SWITCH.
  - TERMINATION CABLE INTERNAL CABLE DEFINITIONS SHOWN ON SHEET 6.
- REFERENCE DOCUMENTS
- C41-1019 STANDBY LIQUID CONTROL SYSTEM P&ID
  - B24400 NUC ST SUPPLY SHUTOFF SYS ELEM DIAG (B21H)
  - C41-1030 STANDBY LIQUID CONTROL SYSTEM ECD
  - E21-1060 AC MOV LOSS OF VOLTAGE MONITOR
  - DELETED
  - E31-1050 LEAK DETECTOR SYSTEM ELEM DIAG (E31A)
  - AG2-4010 SPECIAL WIRE & CABLE SPEC.
  - E12-1050 RESIDUAL HEAT REMOVAL SYS ELEM DIAG (E12A)
  - CP3-1050 ERS ELEM DIAGRAM (CP3A)
  - A62-4050 ELECT. EQUIP. SEPARATION FOR PROTECTION SYSTEMS
- ALL ERS WIRING SHALL BE PER REF 7 AND 10.
  - ERS SIGNAL LOADING ON C41-1050 SYSTEM SHALL NOT EXCEED .005 VOLTS.



LEGEND:

LOCATION USED ONLY WHEN NECESSARY FOR CLARITY

XXYY - PART OF NUMBER OR TERMINAL NUMBER

ZZZZ - SYSTEM NUMBER OR TERMINAL BOARD IDENT

MM - MATCH NUMBER

XX - ZONE

SS - SHEET NUMBER

TT - MATCH CIRCLE

TT APERTURE CARD

SSCC - LINE CODES (WHEN REQUIRED)

WIRING IS:
 

- DX - NUCLEAR SAFETY RELATED, CLASS I E
- X - DIVISION (IE. 1, 2, 3 OR 4)
- AX - ASSOCIATED (TREAT AS CLASS I E)
- X - DIVISION (IE. 1, 2, 3 OR 4)
- R - NON SAFETY RELATED

GROUND

SIGNAL COMMON

EMERGENCY RESPONSE INFORMATION SYSTEM (ERIS)

LAST LINE CODE USED 149

LINE CODES - NONE THIS SHEET

NO.	REVISION	DATE	BY	CHKD BY	ENGR.
1	ISSUED FOR CONSTRUCTION	11/18/78	C. WALKER	C. WALKER	C. WALKER
2	REVISION				
3	REVISION				
4	REVISION				
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10	REVISION				
11	REVISION				
12	REVISION				



PDR RIDS

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