

MTL HX'S ARE PROTECTED BY PRESS RELIEF VALVES WHICH DISCHARGE TO THE DOWNSTREAM SIDE OF THE SYS 25 MTL RETURN LINE ISOLATION VALVE

RELIEF VALVE NO.	SIZE	HX NO.
PSV - 14008	1"	E-209-E
PSV - 14009	1"	E-210-E
PSV - 14010	1"	E-211-E

W/DCN #1 & #2 WERE INCORPORATED PRIOR TO REV 5.

NEXT USED ON

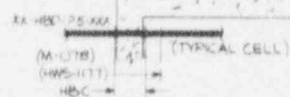
DATE	REV	DESCRIPTION
H-4-12/23	1	LOGIC DIAGRAM, CLOSED LOOP CELLS
H-4-11/564	1	NOISE GAS COOLERS SYSTEM 25
H-4-11/564	1	F.D. C.C. CELLS NO. 1 & NO. 2 SYS 25

NOTES:

1. SEE DWG H-4-11/563 THRU H-4-11/564 & H-4-11/565 FOR LEGEND.

2. THIS P&ID IS FOR 2.5 MW/25 CONFIGURATION

3. GAS COOLING INTERFACE AT CELL WALL, AT EACH PLACE MARKED NOTE 11



10. COOLANT SHUT-OFF VALVES FAIL AS IS ON EITHER ELECTRICAL OR PNEUMATIC FAILURE.

11. PISTON OPERATED BUTTERFLY VALVES FAIL AS IS ON ELECTRICAL FAILURE AND FAIL INDETERMINANT ON PNEUMATIC FAILURE.

12. ALL ALARMS SHOWN FOR EACH CONTROL PANEL ARE RETRANSMITTED TO A COMMON SINGLE ANNUNCIATOR WINDOW ON PANEL C-156. ANY INCOMING ALARM ON THE CONTROL PANEL WILL REFRESH (RE-ACTIVATE) THE PANEL WINDOW.

13. FOR INSTRUMENT AIR SUPPLY FOR PNEUMATIC INSTRUMENTS SHOWN ON THIS DRAWING, SEE P&ID H-4-555(1).

14. ALL PIPING SHALL BE ANSI B-31.1 EXCEPT EMBEDDED PIPE SECTIONS AND CHILLED WATER VENTS, DRAINS AND PRESSURE RELIEF LINES WHICH SHALL BE ASME SECT. III, CLASS 3.

CONTINUED ZONE 4-3

NO.	REV.	DESCRIPTION	DATE	BY	CHKD.	APPD.
1	1	REVISED PER ECN A-10010	11			
2	1	REVISED PER ECN 5615	10			
3	1	REVISED PER ECN A-10010	10			
4	1	REVISED AND RELEASED (M3)	8			
5	1	RELEASED PER HED, EMB-100	7			
6	1	RELEASED PER HED, EMB-100	6			
7	1	RELEASED PER HED, EMB-100	5			
8	1	RELEASED PER HED, EMB-100	4			
9	1	RELEASED PER HED, EMB-100	3			
10	1	RELEASED PER HED, EMB-100	2			
11	1	RELEASED PER HED, EMB-100	1			
12	1	RELEASED PER HED, EMB-100	1			
13	1	RELEASED PER HED, EMB-100	1			
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ENGINEERING RELEASE BY HED
REV 3 DATE 11-4-81
END 5 210

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ALL CHANGES TO THIS DRAWING MUST BE PROCESSED USING THE EDO REVISION PROCESS.

U. S. ATOMIC ENERGY COMMISSION
RICHMOND OPERATIONS OFFICE
Hanford Engineering Development Laboratory

RECHTEL JOB NO. 0853
SAN FRANCISCO

MFING & INSTRUMENT DIAGRAM
CLOSED LOOP CELLS #1 & #2
GAS COOLING SYSTEM 25

FAST FLUX TEST FACILITY

405 12004

H-4-11514