

ALL COMPONENTS OF THIS GAS COOLING SYSTEM WITH EXCEPTION OF EMBEDDED PORTIONS OF PIPING AS SHOWN, ARE DEPICTED.

15. 100W HY'S ARE PROTECTED BY PRESS. RELIEF VALVES WHICH DISCHARGE TO THE DOWNSTREAM SIDE OF THE SYS. 23 RETURN LINE ISOLATION VALVE.

RELIEF VALVE NO.	SIZE	EX. NO.
PSV 746-0	1"	E-212E
PSV 746-3	1"	E-213E
PSV 746-5	1"	E-214E

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

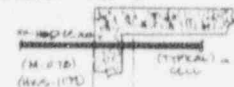
REFERENCE DRAWINGS	
DATE	REVISION
H-4-12124	LOGIC DIAGRAM, CLOSED LOOP CELLS NO. 3 & 4 GAS COOLERS, SYSTEM 23
H-4-11565	P.D. CELL CELLS NO. 1 & NO. 2 - SYS. 23

NOTES

1. SEE DRWG H-4-11093 THEN H-4-11096 & H-4-11099 FOR LEGEND.

2. THIS P&ID IS FOR 13 MWT LOW PURIFICATION.

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



10. CARBON SHUT-OFF VALVES FAIL AS 'V' ON EITHER SUBJECT OR PRELUDE FAILURE.

11. MANUALLY OPERATED BUTTERFLY VALVES FAIL AS 'V' ON ELECTRICAL FAILURE AND FAIL INDETERMINANT ON PNEUMATIC FAILURE.

12. ALL ALARMS SHOWN FOR EACH CONTROL PANEL ARE REINTEGRATED TO A COMMON SINGLE ANNUNCIATOR WINDOW ON PANEL C06. ANY PENDING ALARM SUCCEEDING THE INITIAL ALARM ON THE CONTROL PANEL WILL REINTEGRATE THE PANEL C-06 WINDOW.

13. FOR INSTRUMENT AIR SUPPLY FOR PNEUMATIC INSTRUMENTS SHOWN ON THIS DRAWING, SEE P&ID H-4-0500.

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

NO.	DESCRIPTION	REVISION	DATE
1	REVISED AND RELEASED (MS)	7	
2	RELEASED PER HED. ERO 8-005	6	
3	FOR HED. APPROVAL PER	5	
4	RELEASED PER ERO 8-004	4	
5	FOR HED. APPROVAL PER	3	
6	FOR HED. APPROVAL PER	2	
7	FOR HED. APPROVAL PER	1	
8	FOR HED. APPROVAL PER	0	

U. S. ATOMIC ENERGY COMMISSION HIGH-LEVEL OPERATIONS OFFICE	
BECHTEL JOB NO. SAN FRANCISCO 5855	PIPING & INSTRUMENT DIAGRAM CLOSED LOOP CELLS #3 & #4 GAS COOLING SYSTEM - SYS. 23 FAST FLUX TEST FACILITY
DATE: 4-05	DATE: 7-004
H4-11515	

NO.	DESCRIPTION	REVISION	DATE
1	REVISED PER CON 0-2530	11	
2	REVISED PER FOR #5051H-1107	10	
3	REV PER ECA-A-0018	9	
4	REVISED PER FOR #5615	8	

THIS DRAWING IS CONTAINED IN ADD 26 ALL CHANGES TO THIS DRAWING MUST BE PROCESSED USING THE ADD REVISION PROCESS.

ENGINEERING RELEASE BY HED. REV. 3 DATE 4-0-7 ERO 8-277 8