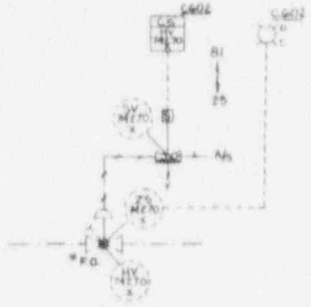
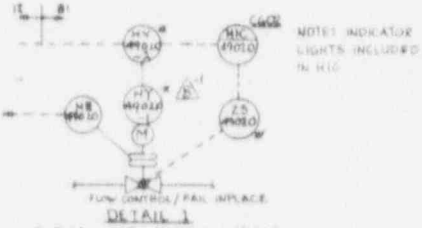
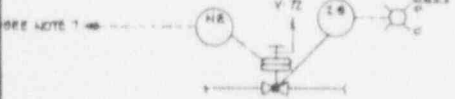
VALVE INSTRUMENTATION (SEE DETAILS & NOTES 2 & 4)					
VALVE NUMBERS	SV	ZS	NS	PANEL NUMBER	PANEL SIG POINT NO.
V-72	—	49000	49000	C602	—
V-76	—	49001	49001		—
V-78	—	49024	49024		—
V-85	—	49044	49044		—
HV-49020	—	49020	49020	C602	—



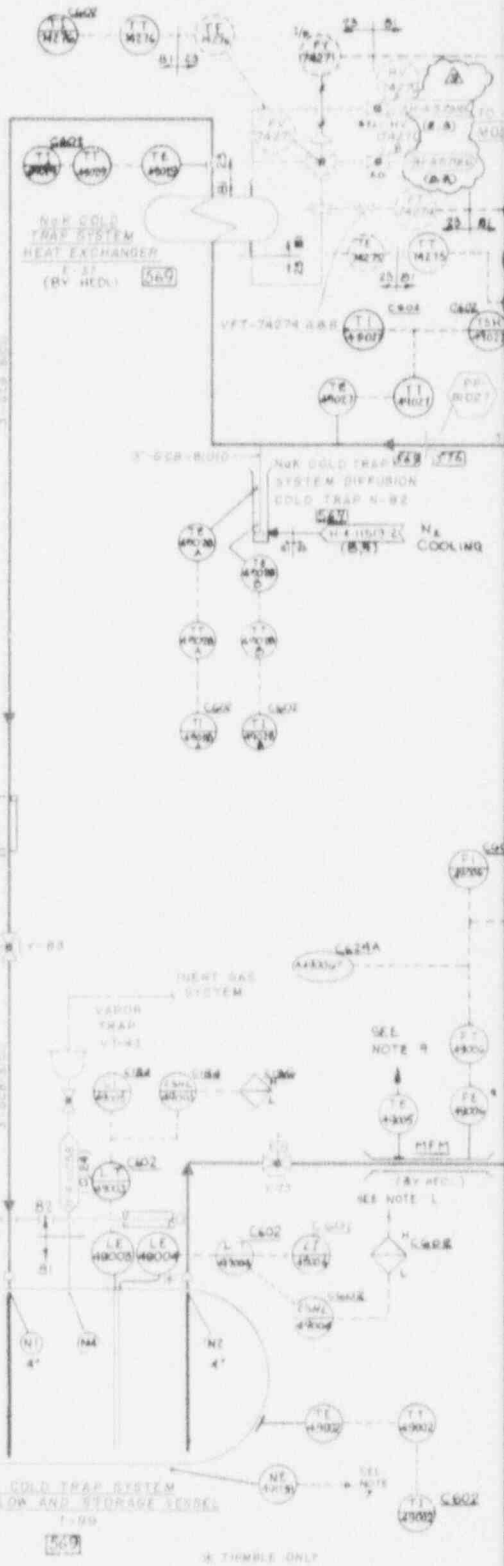
DETAIL 5
TYPICAL FOR SYSTEM 25 VALVES
HV-74270A* AND HV-74270-B
*NOTE: VALVE SHALL FAIL OPEN ON LOSS OF PNEUMATIC SUPPLY AND SHALL FAIL CLOSED ON LOSS OF ELECTRICAL SUPPLY.



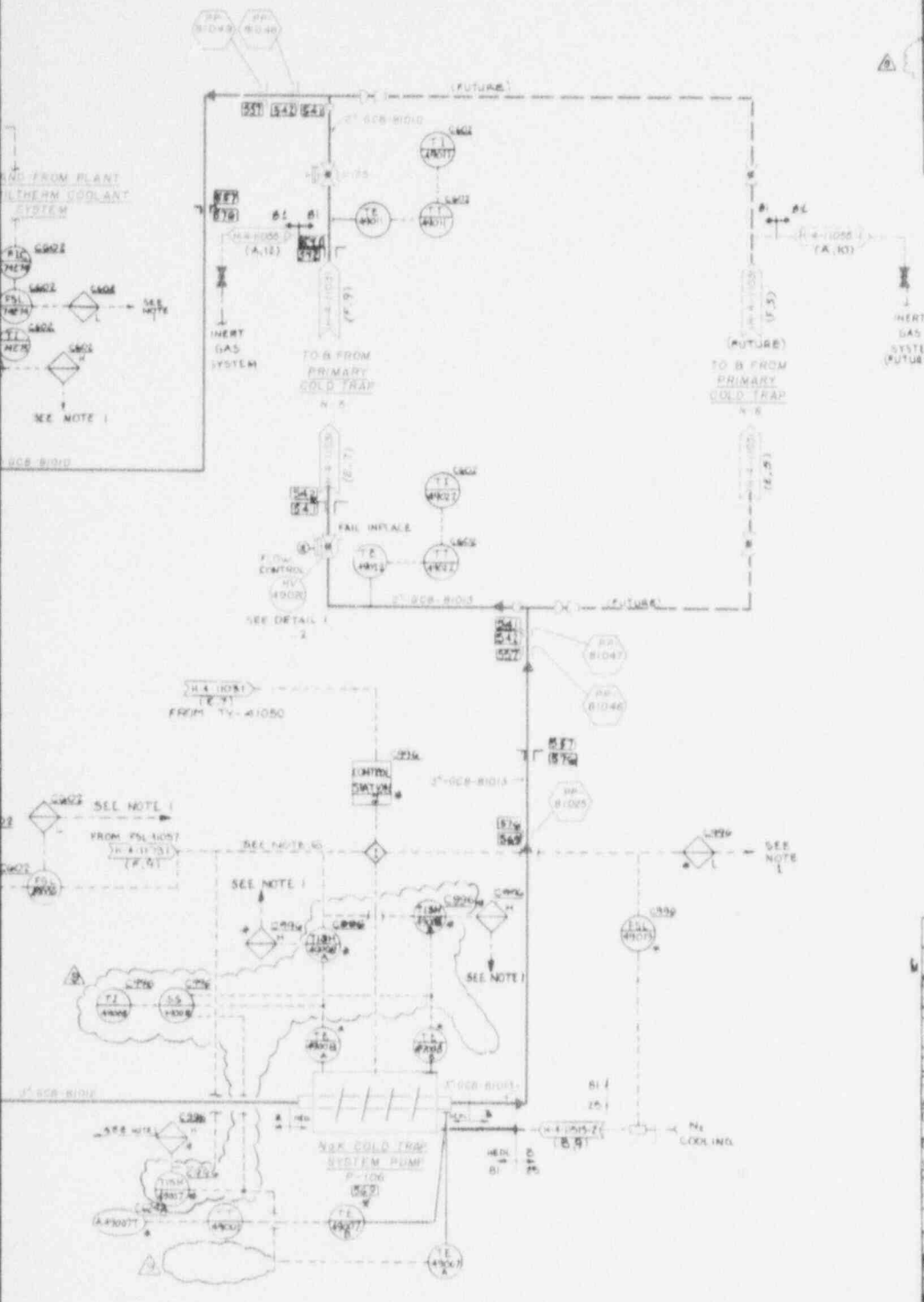
DETAIL 1
TYPICAL FOR VALVE HV-49020



DETAIL 2
TYPICAL FOR ALL VALVES EXCEPT HV-49020.



8001110690



NEXT USED ON

REFERENCE DRAWINGS

DWG. NO.	REV. NO.	DRAWING TITLE OR INDEX NO.
H-4-11031		P&ID REACTOR PRIMARY SODIUM PROCESSING SYS. SYS. B1
H-4-57916		P&ID MOBILTHERM SYSTEM SYS. 28
H-4-11089		P&ID NaK TDS COOLING SYS. SYS. B1
H-4-11513		P&ID TDS TANK & MIST CELLS GAS COOLING SYS. 28
H-4-11055		P&ID LOW PRESSURE AR DISTRIBUTION INCTMT SYS. B2
H-4-12157		LOGIC DIAGRAM - NaK COLD TRAP COOLING SYSTEM SYS. B1

NOTES

1. ALL ALARMS ON LOCAL BOARD C602 WILL BE CONNECTED TO A COMMON ALARM ANNUNCIATOR IN THE CONTROL ROOM PANEL C136
2. ALL NUMBERS FOR MANUALLY OPERATED VALVES ARE PRECEDED BY "B1-".
3. * - INSTRUMENTS SUPPLIED WITH SUPPLIERS EQUIPMENT
4. ALL NaK VALVES ARE SUPPLIED BY HEDL. FOR INSTRUMENTS SUPPLIED WITH THE VALVES, SEE VALVE TYPICALS.
5. FOR SYMBOLS & USAGE SEE LEGEND SHEETS H-4-11093 94 95 96 98 & 99
6. AUTOMATIC SEQUENCE CONTROL AND INTERLOCKING OF EQUIPMENT IS SHOWN ON H-4-12157.
7. ALL COMPONENT LEAK DETECTORS ARE WIRED BACK TO INDICATORS ON PANEL C1209 WHERE A COMMON ALARM IS DERIVED AND WIRED TO CONTROL ROOM PANEL C136. SEE SDD 95, PART 13.
8. SPARE T/C'S SUPPLIED WITH EM PUMP R106 WILL BE WIRED TO A TERMINAL BOARD OUTSIDE PUMP CELL
9. MFM MAGNET THERMOCOUPLE SHALL BE WIRED TO LOCAL RACK TERMINAL BOARD.

					REVISED PER ECN NO. D-0289, D-0145, & A-1217	9
					REVISED & RELEASED HEDL ERO B-5098, 6-15-78	8
	4-24-75				REVISED & RELEASED PER ERO B-4884	7
	12-5-74				RELEASED ECP B-1619, HEDL ERO B-4666, 12-3-74	6
					FOR HEDL APPROVAL PER ECP B-1619	F
				SEC. 4-2-74	RELEASED: ECP B-1157 HEDL ERO B-2866, 4-3-74	5
					RELEASED, ECP B-1222, HEDL ERO B-2508, 11-15-73	4
					FOR HEDL APPROVAL PER ECP B-1157	E
	9-7-73	9-12-73			RELEASED ECP B-413R1 HEDL ERO B-1796/7-6-73, ECP B-680 HEDL ERO B-1411/7-27-73	3
					[illegible]	D
					FOR APPROVAL PER ECP B-6[illegible]	C
					CONSTRUCTION PER ECO B-274	2
	8-13-73				ISSUED PER ECP B-055 R1 FOR APPROVAL	1
					ISSUED WITH SDD-B1 FOR APPROVAL	0
					DESCRIPTION	

REVISIONS

COMMENT PRT ISSUE NO. | DATE | CHECK PRT ISSUE NO. | DATE

DRAWING STATUS

TYPE I DATA

U. S. ATOMIC ENERGY COMMISSION
RICHLAND OPERATIONS OFFICE
HANFORD ENGINEERING DEVELOPMENT LABORATORY
Westinghouse Hanford Company

BECHTEL JOB NO. 5858
SAN FRANCISCO

PIPING AND INSTRUMENT DIAGRAM
NaK COLD TRAP
COOLING SYSTEM SYS. B1

FAST FLUX TEST FACILITY

SCALE NONE

CLASSIFICATION NOT REQUIRED

DWG. NO. 405 | CODE NO. 7004

DWG. NO. H-4-11052

ENGINEERING RELEASE BY HEDL
REV. 2 DATE 4-12-72
ERO B-273 B

THIS DRAWING IS CONTAINED IN SDD B1
ALL CHANGES TO THIS DRAWING MUST BE PROCESSED USING THE SDD REVISION PROCESS.