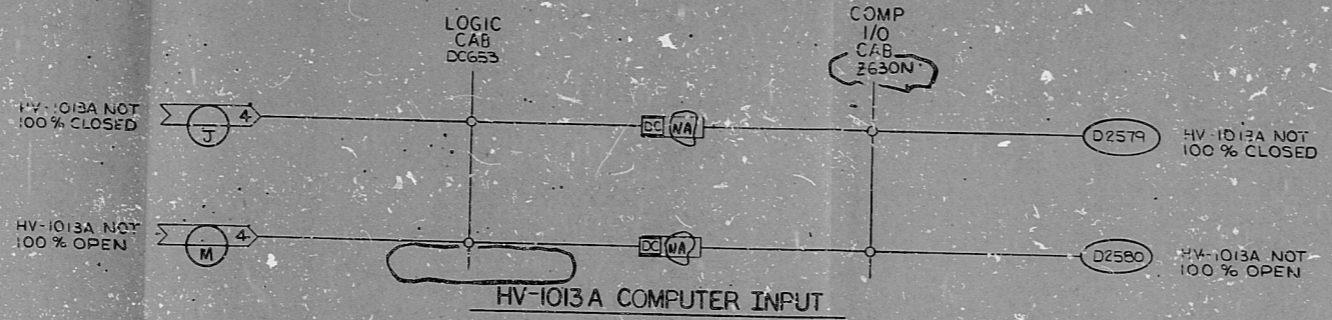


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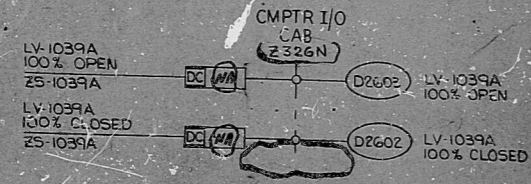
NOTES:  
1. HV-1026 IS IN START-UP SYSTEM AB. ALL OTHER VALVES ARE IN SYSTEM AC.

CROSS REFERENCE TABLE

VALVE	VALVE NOT 100% CLOSED	VALVE NOT 100% OPEN	LOGIC CAB. NO.	WIRE NO. TO COMPUTER		COMP I/O CAB. NO.	COMPUTER INPUT NO.		VALVE FUNCTION
				NO. 100% CLOSED	NO. 100% OPEN		NOT 100% CLOSED	NOT 100% OPEN	
HV-1013A	ARROW(I)SHT.4	ARROW(M)SHT.4	DC653	NA	NA	Z630N	D2579	D2580	STOP VALVE BEFORE SEAT DRAIN VALVE
HV-1013B	ARROW(I)SHT.4	ARROW(M)SHT.4					D2581	D2582	
HV-1013C	ARROW(I)SHT.4	ARROW(M)SHT.4					D2583	D2584	
HV-1013D	ARROW(I)SHT.4	ARROW(M)SHT.4					D2585	D2586	
HV-1015	ARROW(N)SHT.5	ARROW(O)SHT.5					D2587	D2588	CONTROL VALVE BEFORE SEAT DRAIN VALVE
HV-1017A	ARROW(T)SHT.7	ARROW(W)SHT.7					D2592	D2593	STEAM PIPE DRAIN MOV
HV-1017B	ARROW(T)SHT.7	ARROW(W)SHT.7					D2594	D2595	STEAM PIPE DRAIN MOV
HV-1018A	ARROW(A)SHT.10	ARROW(G)SHT.10					D2598	D2599	STEAM PIPE DRAIN MOV
HV-1018B	ARROW(A)SHT.10	ARROW(G)SHT.10					D2596	D2597	STEAM PIPE DRAIN MOV
HV-1026	ARROW(H)SHT.3	ARROW(I)SHT.3					D2570	D2569	START-UP DRAIN VALVE
HV-1041A	ARROW(A)SHT.9	ARROW(AE)SHT.9					D2606	D2607	CROSS UNDER PIPE DRAIN VALVE
HV-1041B	ARROW(A)SHT.9	ARROW(AE)SHT.9					D2608	D2609	
HV-1042A	ARROW(A)SHT.9	ARROW(AE)SHT.9					D2610	D2611	
HV-1042B	ARROW(A)SHT.9	ARROW(AE)SHT.9					D2612	D2613	
HV-1043A	ARROW(A)SHT.9	ARROW(AE)SHT.9					D2614	D2615	
HV-1043B	ARROW(A)SHT.9	ARROW(AE)SHT.9					D2616	D2617	
HV-1041C	ARROW(A)SHT.9	ARROW(AE)SHT.9					D4075	D4076	
HV-1042C	ARROW(A)SHT.9	ARROW(AE)SHT.9					D4077	D4078	
HV-1043C	ARROW(A)SHT.9	ARROW(AE)SHT.9					D4079	D4080	
HV-1005	ARROW(B)SHT.12	N/A					D4081	N/A	STEAM SEAL EVAPORATOR SUPPLY
HV-1005	ARROW(B)SHT.12	N/A					D4083	N/A	CONDENSER HOTWELL SPARGERS STEAM SUPPLY
HV-1006	ARROW(B)SHT.12	N/A					D4085	N/A	RFP TURBINE SUPPLY

PRO APERTURE CARD

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CROSS REFERENCE TABLE

VALVE	SERVICE	POSITION SWITCH	POSITION	WIRE NO. TO COMP	COMPUTER INPUT NO.	COMPUTER I/O CAB
LV-1039A	MSTRE SEP A DUMP TO COND	ZS-1039A	OPEN	NA	D2603	Z326N
LV-1039A	MSTRE SEP A DUMP TO COND	ZS-1039A	CLOSED		D2602	
LV-1039B	MSTRE SEP B DUMP TO COND	ZS-1039B	OPEN		D2605	
LV-1039B	MSTRE SEP B DUMP TO COND	ZS-1039B	CLOSED		D2604	

S/U ABAC (NOTE 1)

DESIGN FREEZE ISSUE	7/1/78	BY	DATE	BY	DATE
REVISED AS NOTED	7/1/78	BY	DATE	BY	DATE
REVISED AS NOTED	7/1/78	BY	DATE	BY	DATE
ISSUED FOR CONSTRUCTION	7/1/78	BY	DATE	BY	DATE

**BEONTEL**  
SAN FRANCISCO

PUBLIC SERVICE ELECTRIC AND GAS COMPANY  
HOPE CREEK GENERATING STATION

LOGIC DIAGRAM  
MAIN STEAM  
VALVE POSITION COMPUTER INPUTS

JOB NO. 10053 DRAWING NO. J-01-0 SH. 14 REV. 3

RIDS

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