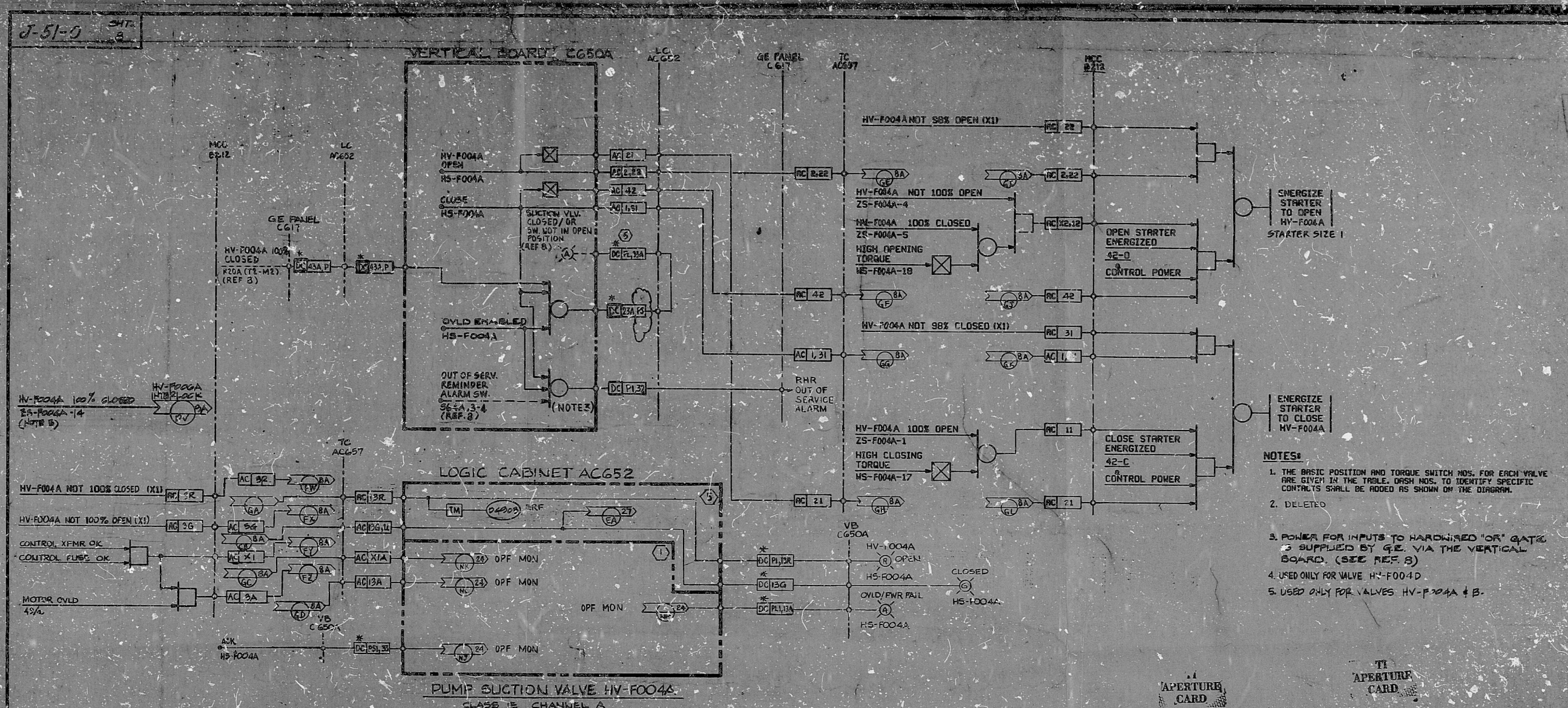
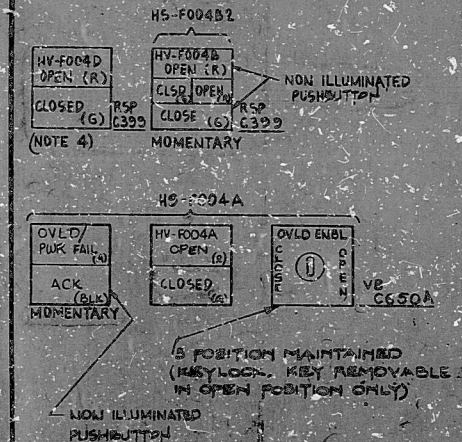




- NOTES:**
1. THE BASIC POSITION AND TORQUE SWITCH NOS. FOR EACH VALVE ARE GIVEN IN THE TABLE. ORSH NOS. TO IDENTIFY SPECIFIC CONTRACTS SHALL BE ADDED AS SHOWN ON THE DIAGRAM.
 2. DELETED
 3. POWER FOR INPUTS TO HARDWIRED "OR" GATE IS SUPPLIED BY G.E. VIA THE VERTICAL BOARD. (SEE REF. 3)
 4. USED ONLY FOR VALVE HV-F004D.
 5. USED ONLY FOR VALVES HV-F004A & B.



CROSS REFERENCE TABLE

VALVE	SERVICE	CONTROL SWITCH	POSITION SWITCH (NOTE 1)	TORQUE SWITCH (NOTE 1)	VERTICAL BOARD	CLASS IE CHANNEL	MCC	GE PANEL	LOGIC CABINET	CIRCUIT NO	OUT OF SERV SWITCH	VALVE 100% CLOSED INTERLOCK (NOTE 5)	TC	HV-F004 NOT 100% OPEN
HV-F004A	PUMP SUCTION	HS-F004A	ZS-F004A	WS-F004A	C650A	A	B212	C617	AC652	5	S64A, 3-4	J-51/DV/9A	AC657	J-51/EA/27
HV-F004B		HS-F004B	ZS-F004B	WS-F004B	C650A	B	B222	618	CC652	6	S64B, 3-4	J-51/DV/9A	CC657	EB/28
HV-F004C		HS-F004C	ZS-F004C	WS-F004C	C650A	C	B232	641	CC652	7	S64C, 3-4	HA	CC657	EC/27
HV-F004D		HS-F004D	ZS-F004D	WS-F004D	C650A	D	B242	642	CC652	8	S64D, 3-4	HA	CC657	ED/23

VALVE 100% CLOSED RELAY	RSP CONTROL SWITCH	REF COMP POINT	OFF MON GRT NO	ACK	CONT PUR	OVLD	OVLD/PWR FAIL	AFROWS
K20A (T2-M2)	NA	D4903	1	NJ	NK	NL	NM	
K20B (T2-M2)	HS-F004B2	D4907	2	ND	NP	NQ	NR	
K20C (T2-M2)	NA	D4906	3	NT	NU	NV	NW	
K20E (T2-M2)	NA	D4886	4	OA	OB	OC	OD	

TI APERTURE CARD

REVISED WIRE NO.	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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BECHTEL
SAN FRANCISCO

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
HOPE CREEK GENERATING STATION

LOGIC DIAGRAM
RESIDUAL HEAT REMOVAL
RHR PUMP SUCTION VALVES

DATE: 10/55
J-51-0
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S7U - BC

PDR RIDS

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