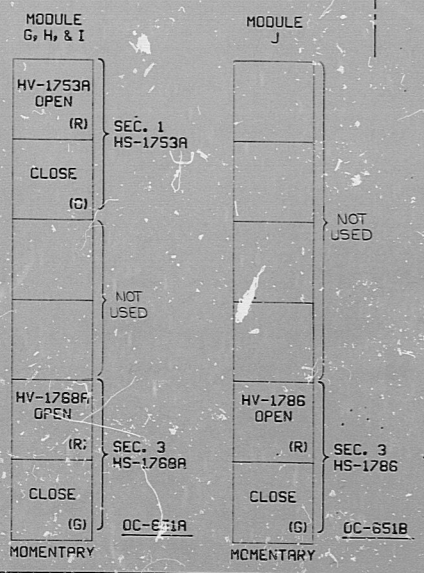


- NOTES:
1. THE BASIC POSITION AND TORQUE SWITCH NUMBERS FOR EACH VALVE ARE GIVEN IN THE TABLE. DASH NUMBERS TO IDENTIFY SPECIFIC CONTACTS SHALL BE ADDED AS SHOWN ON THE DIAGRAM.
  2. VALVE OPEN PERMISSIVE ARROW "H" APPLIES TO HV-1769A, B, & C LOGIC ONLY.
  3. DELETE MD FOR HV-1769A, B, & C (RETAIN INDICATING LIGHTS AND VALVE POSITION COMPUTER INPUTS).
  4. ARROW J IS APPLICABLE TO ALL VALVES EXCEPT HV-1769A, B, & C.
  5. DELETED
  6. HV-1786 IS IN START UP SYSTEM AD. ALL OTHER VALVES ARE IN SYSTEM AE.
  7. ARROW CK APPLIES TO HV-1769A, B, & C ONLY.

CROSS REFERENCE TABLE

VALVE NO.	HAND SWITCH	POSITION SWITCH (NOTE 1)	TORQUE SWITCH (NOTE 1)	CIRCUIT NO.	VALVE FUNCTION	LOGIC CAB.	CC	TC	MCC	HAND SWITCH LAYOUT			STARTER SIZE
										MODULE	SEC	SHT	
HV-1769A	HS-1769A	ZS-1769A	WS-1769A	1	RFP A DISCHARGE VLV.	AC653	C651B	AC658	0B113	A	1	2	2
HV-1769B	HS-1769B	ZS-1769B	WS-1769B	2	RFP B DISCHARGE VLV.	BC653	C651B	BC658	0B133	B	1	2	2
HV-1769C	HS-1769C	ZS-1769C	WS-1769C	3	RFP C DISCHARGE VLV.	CC653	C651B	CC658	0B143	C	1	2	2
HV-1782A	HS-1782A	ZS-1782A	WS-1782A	8	FEED PUMP A WARM UP	AC653	C651B	AC658	0B113	A	2	2	1
HV-1782B	HS-1782B	ZS-1782B	WS-1782B	9	FEED PUMP B WARM UP	BC653	C651B	BC658	0B133	B	2	2	1
HV-1782C	HS-1782C	ZS-1782C	WS-1782C	10	FEED PUMP C WARM UP	CC653	C651B	CC658	0B143	C	2	2	1
HV-1768A	HS-1768A	ZS-1768A	WS-1768A	4	HEATER RE106 INLET ISV.	AC653	C651A	AC658	0B113	G	3	3	1
HV-1768B	HS-1768B	ZS-1768B	WS-1768B	5	HEATER RE106 INLET ISV.	BC653	C651A	BC658	0B133	H	3	3	1
HV-1768C	HS-1768C	ZS-1768C	WS-1768C	6	HEATER CE106 INLET ISV.	CC653	C651A	CC658	0B143	I	3	3	1
HV-1753A	HS-1753A	ZS-1753A	WS-1753A	4	HEATER RE106 OUTLET ISV.	AC653	C651A	AC658	0B113	G	2	3	1
HV-1753B	HS-1753B	ZS-1753B	WS-1753B	5	HEATER RE106 OUTLET ISV.	BC653	C651A	BC658	0B133	H	2	3	1
HV-1753C	HS-1753C	ZS-1753C	WS-1753C	6	HEATER CE106 OUTLET ISV.	CC653	C651A	CC658	0B143	I	2	3	1
HV-1786	HS-1786	ZS-1786	WS-1786	7	STARTUP LN. BYPASS STOP VLV.	DC653	C651A	DC658	0B143	J	3	3	1

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PRO APERTURE CARD

NO.	DATE	REVISIONS	BY	CHKD	DESIGN SUPV	ENGR	PROJ ENGR	APPV
1	10/12	DESIGN FREEZE ISSUE	JAV	RCG				
2	11/14	REVISED AS NOTED						
3	1/11	REVISED BAILEY INTERFACE AS NOTED						
4	2/17	REVISED AS NOTED						
5	4/12	REVISED AS NOTED						
6	1/13	ISSUED FOR CONSTRUCTION						

**BECHTEL**  
SAN FRANCISCO

**PUBLIC SERVICE ELECTRIC AND GAS COMPANY**  
**HOPE CREEK GENERATING STATION**

**LOGIC DIAGRAM**  
**FEEDWATER SYSTEM**  
MISCELLANEOUS MOTOR OPERATED VALVES

JOB No.	DRAWING No.	REV.
10855	J-06-0	SHT 3 5

S/U - AE, AD (NOTE 6)

**RIDS**

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