



LOOP A EXPANSION TANK AT 205 CLASS 1E MAKEUP V. HV-2446 (NOTE 2)
CLASS 1E CHANNEL A

HS-2446
OVL D / PWR FAIL (A)
HV-2446 OPEN (R)
CLOSE (Q)
CONTROL CONSOLE C-651A
MOMENTARY

CROSS REFERENCE TABLE

VALVE NO.	SERVICE	HAND SWITCH	POSITION SWITCH (NOTE 1)	TORQUE SWITCH (NOTE 1)	CIRCUIT NO.	CLASS 1E CHANNEL	MCC	TC	LOGIC CABINET
HV-2446	LOOP A EXPANSION TANK AT 205 CLASS 1E MAKEUP	HS-2446	ZS-2446	WS-2446	33	A	Later	AC657	AC652
HV-2447	LOOP B EXPANSION TANK AT 205 CLASS 1E MAKEUP	HS-2447	ZS-2447	WS-2447	34	B	Later	BC657	BC652

- NOTES:
1. THE BASIC POSITION AND TORQUE SWITCH NOS. FOR EACH VALVE ARE GIVEN IN THE TABLE. DASH NOS. TO IDENTIFY SPECIFIC CONTACTS SHALL BE ADDED AS SHOWN ON THE DIAGRAM.
 2. VALVES HV-2446 AND HV-2447 ARE SHOWN ON M-10-1 SHT. 2.

P.R.C.
APERTURE
CARD

1/16/63	DESIGN FREEZE ISSUE	SF	DD	MSW
2/23/63	REVISED BAILEY INTERFACE AND AS NOTED	CA	SG	HW
1/16/67	ISSUED FOR CONSTRUCTION THIS SHEET ADDED	DL	HW	HW

NO.	DATE	BY	CHKD	APPV
1	1/16/63	SF	DD	MSW
2	2/23/63	CA	SG	HW
3	1/16/67	DL	HW	HW

BECHTEL
SAN FRANCISCO

NUCLEAR SERVICE ELECTRIC AND GAS COMPANY
HOPPE CREEK GENERATING STATION

LOGIC DIAGRAM
SAFETY AUXILIARIES COOLING
EXPANSION TANK CLASS 1E MAKEUP VALVES

JOB No.	DRAWING No.	REV.
10866	J-11-0 SHT 26	Q

S/U -EG

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RIDS

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