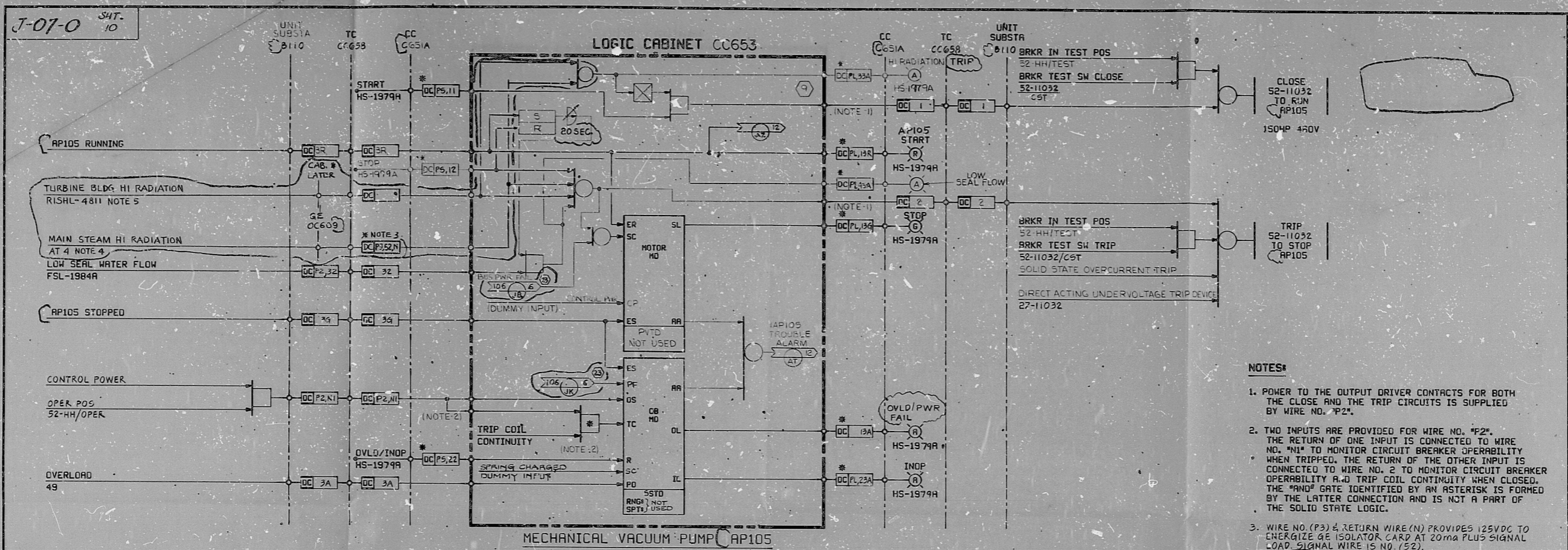


J-07-0 SHT. 10

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- NOTES:**
- POWER TO THE OUTPUT DRIVER CONTACTS FOR BOTH THE CLOSE AND THE TRIP CIRCUITS IS SUPPLIED BY WIRE NO. #2.
 - TWO INPUTS ARE PROVIDED FOR WIRE NO. #2. THE RETURN OF ONE INPUT IS CONNECTED TO WIRE NO. #1 TO MONITOR CIRCUIT BREAKER OPERABILITY WHEN TRIPPED. THE RETURN OF THE OTHER INPUT IS CONNECTED TO WIRE NO. 2 TO MONITOR CIRCUIT BREAKER OPERABILITY R.O. TRIP COIL CONTINUITY WHEN CLOSED. THE "AND" GATE IDENTIFIED BY AN ASTERISK IS FORMED BY THE LATTER CONNECTION AND IS NOT A PART OF THE SOLID STATE LOGIC.
 - WIRE NO. (P3) & RETURN WIRE (N) PROVIDES 125VDC TO ENERGIZE GE ISOLATOR CARD AT 20ma PLUS SIGNAL LOAD. SIGNAL WIRE IS NO. (S2).
 - REFERENCE 10.
 - REFERENCE 9.

AP105 RUNNING
 ENERGIZE SV-1979A TO OPEN HV-1979A
 HV-1979A FAILS CLOSED

AP105 RUNNING
 ENERGIZE STARTER TO RUN AP136
 1 1/2 HP 460V SIZE 1 STARTER

VACUUM PUMP SUCTION VALVE SEAL WATER PUMP

- OVLD/PWR FAIL (A)
 - INOP (R)
 - HI RADIATION TRIP (A)
 - LOW SEAL FLOW (A) HS-1979A
 - AP105 START (R)
 - STOP (G) CC653A
 - MOMENTARY
- INDICATING LIGHT ONLY.

CROSS REFERENCE TABLE

BRK. NO.	VACUUM PUMP	SEAL WATER PUMP	SUCTION VALVE	SOLENOID VALVE	RADIATION SWITCHES	HAND SWITCH	FLOW SWITCH	UNIT SUB. STA. NO.	TC	CIRCUIT NO.	LOGIC CAB	BUS PWR. FAIL INTERFACE		
52-11032	AP105	AP136	SV-111	HV-1979H	SV-1979A	RISHL-4811	K12A/K12F (REF. 1)	HS-1979A	FSL-1984A	B110	CC658	9	CC653	JB, JK (SHT. 6)
52-12032	BP105	BP138	SV-131	HV-1979B	SV-1979B	RISHL-4811	K12A/K12F (REF. 1)	HS-1979B	FSL-1984B	B120	DC658	10	DC653	KG, KP (SHT. 7)

NO.	DATE	REVISIONS	BY	CHKD	DESIGN	ENGR	PAGE	APPR
1	4/1/82	DESIGN FREEZE ISSUE REVISED AS NOTED	AV	20	5/1	3/5	4/8	CHW
2	4/15/82	REVISED BAILEY INTERFACE AS NOTED	AJA	1/1	1/5	1/5	1/5	WBL
3	7/7/77	REVISED AS NOTED	RE	NEW	3/1	3/1	3/1	RE
4	7/7/77	REVISED AS NOTED	RE	NEW	3/1	3/1	3/1	RE
5	7/7/77	REVISED AS NOTED	RE	NEW	3/1	3/1	3/1	RE
6	7/7/77	ISSUED FOR CONSTRUCTION	RE	NEW	3/1	3/1	3/1	RE

BECHTEL
 SAN FRANCISCO

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
 HCPG CREEK GENERATING STATION

LOGIC DIAGRAM
 CONDENSER AIR REMOVAL SYSTEM
 MECHANICAL VACUUM PUMP

JOB No.	DRAWING No.	REV.
10855	J-07-0 SHT. 10	5

S/U - CG

RIDS

60770573

