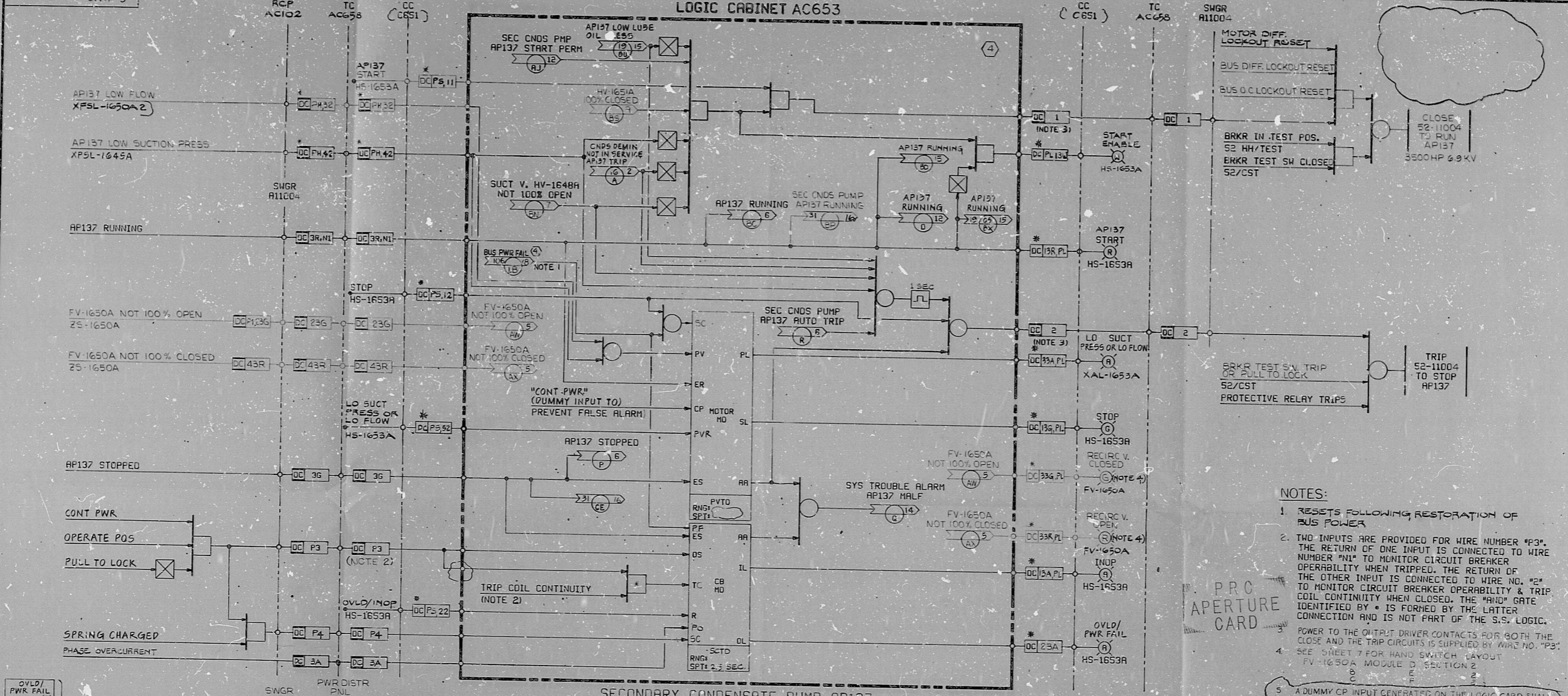


J-05-0 SHT. 5

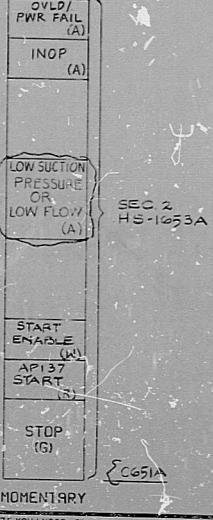
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SECONDARY CONDENSATE PUMP AP137

- NOTES:
1. RESETS FOLLOWING RESTORATION OF BUS POWER
 2. TWO INPUTS ARE PROVIDED FOR WIRE NUMBER "P3". THE RETURN OF ONE INPUT IS CONNECTED TO WIRE NUMBER "N1" TO MONITOR CIRCUIT BREAKER OPERABILITY WHEN TRIPPED. THE RETURN OF THE OTHER INPUT IS CONNECTED TO WIRE NO. "P2" TO MONITOR CIRCUIT BREAKER OPERABILITY & TRIP COIL CONTINUITY WHEN CLOSED. THE "PULL TO LOCK" IDENTIFIED BY "P" IS FORMED BY THE LATTER CONNECTION AND IS NOT PART OF THE S.S. LOGIC.
 3. POWER TO THE OUTPUT DRIVER CONTACTS FOR BOTH THE CLOSE AND THE TRIP CIRCUITS IS SUPPLIED BY WIRE NO. "P3".
 4. SEE SHEET 7 FOR HAND SWITCH LAYOUT FV-1650A MODULE D SECTION 2
 5. A DUMMY CP INPUT GENERATED ON THE LOGIC CARD SHALL BE PROVIDED TO THE MOTOR MD TO PREVENT A FALSE ALARM.

PRO APERTURE CARD



CROSS REFERENCE TABLE

| PUMP NO. | HAND SWITCH | SEC CNDS PMP MIN FLOW RECIRC V | SOLENOID VALVE | SUCT. V. NO. | PWR DISTR PNL & BKR | REMOTE PANEL CONTROL | LOW FLOW SWITCH | LOW SUCT. PRESS. SWITCH | SEC CNDS PMP AUTO TRIP | SWGR | BKR NO. | TC | BUS PWR FAIL REF 106.0 | LC | CIRCUIT NO. | VOLTAGE | CNDS DEMIN NOT III SERVICE |
|----------|-------------|--------------------------------|----------------|--------------|---------------------|----------------------|-----------------|-------------------------|------------------------|--------|----------|-------|------------------------|-------|-------------|---------|----------------------------|
| API137 | HS-1653R | FV-1650R | SV-1650R | HV-1648R | 10Y101/9 | AC-102 | XPSL-1650A2 | XPSL-1645A | ARROW (R) SHT. 6 | A11004 | 52-11004 | AC658 | 1B SHT. 8 | AC653 | 4 | 6.9KV | ARROW (R) SHT. 6 |
| BPI137 | HS-1653B | FV-1650B | SV-1650B | HV-1648B | 10Y104/9 | BC-102 | XPSL-1650B2 | XPSL-1645B | ARROW (S) SHT. 6 | A12004 | 52-12004 | BC658 | 1B SHT. 8 | BC653 | 5 | 6.9KV | ARROW (S) SHT. 6 |
| CPI137 | HS-1653C | FV-1650C | SV-1650C | HV-1648C | 10Y106/22 | CC-102 | XPSL-1650C2 | XPSL-1645C | ARROW (W) SHT. 6 | A10105 | 52-10105 | CC658 | 1A SHT. 6 | CC653 | 6 | 4.0KV | ARROW (W) SHT. 6 |

| NO. | DATE | REVISIONS | BY | CHKD | DESIGN | EXEC | PROJ | APPR |
|-----|----------|---|-----|------|--------|------|------|------|
| 1 | 1/21/60 | REVISED BAILEY INTERFACE AS NOTED | RUJ | AK | AK | AK | AK | AK |
| 2 | 7/3/57 | REVISED AS NOTED | RUJ | AK | AK | AK | AK | AK |
| 3 | 1/14/52 | REVISED AS INDICATED | RUJ | AK | AK | AK | AK | AK |
| 4 | 10/27/50 | ISSUED FOR CONSTRUCTION | RUJ | AK | AK | AK | AK | AK |
| 5 | 7/1/52 | DESIGN PROBLEMS ISSUED REVISED AS NOTED | RUJ | AK | AK | AK | AK | AK |

SCALE: NONE

DESIGNED: I.J.L. DRAWN: R.C.G.

BECHTEL
SAN FRANCISCO

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
HOPE CREEK GENERATING STATION

LOGIC DIAGRAM
CONDENSATE SYSTEM

SECONDARY CONDENSATE PUMPS

| | | |
|---------|---------------|------|
| JOB No. | DRAWING No. | REV. |
| 10855 | J-05-0 SHT. 5 | 5 |

S/U - RD

RIDS

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