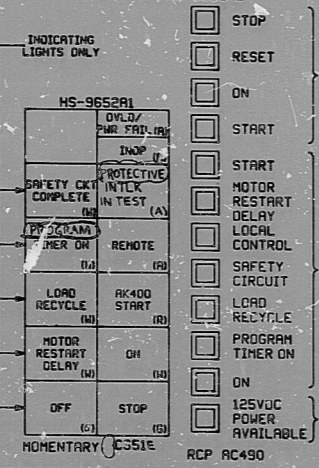


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- NOTES:**
- SEE SHEET 1 NOTE 1.
 - TWO INPUTS ARE PROVIDED FOR WIRE NUMBER P3. THE RETURN OF ONE INPUT IS CONNECTED TO WIRE NUMBER N1 TO MONITOR CIRCUIT BREAKER OPERABILITY WHEN TRIPPED. THE RETURN OF THE OTHER INPUT IS CONNECTED TO WIRE NUMBER 2 TO MONITOR CIRCUIT BREAKER OPERABILITY AND TRIP COIL CONTINUITY WHEN CLOSED. THE "AND" GATE IDENTIFIED BY AN * IS FORMED BY THE LATTER CONNECTION AND IS NOT PART OF THE SOLID STATE LOGIC.
 - POWER TO THE OUTPUT DRIVER CONTACTS FOR THE CLOSE CIRCUIT IS SUPPLIED BY WIRE NO "P3".
 - VENDOR'S TERMINAL CONNECTION POINTS ARE SHOWN IN ○
 - RCP AC490 IS WIRED AND FURNISHED BY CHILLER VENDOR. FOR INTERNAL WIRING SEE VENDOR PRINT (REF 10). NOT ALL SWITCHES AND LIGHTS ARE SHOWN HERE.
 - *PVTD* NOT USED
 - CONTACTS OPEN ON CONDITION STATED.

CROSS REFERENCE TABLE

| CHILLER | CLASSIE CHANNEL | SWITCHGEAR | BREAKER | RCP | HS- | PDSL | ARM | LOGIC | CONSOLE |
|---------|-----------------|------------|----------|-------------|---------|-------|-------|-------|---------|
| AK 400 | C | A 403 | 52-40312 | AC490/AC491 | 9652 A2 | 2402A | CC657 | CC652 | CC651E |
| AK 403 | A | A 401 | 52-40111 | AC487/AC488 | 9655 A2 | 2567 | AC657 | AC652 | |

| COMP. PT. | OIAC | SEQ. START | PROX. START INHIBIT | BYPASS IND. | 4KV BUS FAIL |
|-----------|-------|-------------------|---------------------|--------------------|-------------------|
| D4822 | CC663 | J-105 SH 2 ARR 2E | J-105 SH 4 ARR 1A | J-101 SH 13 ARR 1A | J-106 SH 4 ARR 1D |
| D5437 | | | | J-101 SH 13 ARR 1H | J-106 SH 2 ARR 1D |

| NO. | DATE | REVISIONS | BY | CHKD | APP'D |
|-----|----------|--|------|------|-------|
| 1 | 10/17/72 | REVISED AS NOTED, ISSUED FOR DESIGN FREEZE | J.M. | J.M. | |
| 2 | 11/14/72 | REVISED BAILEY INTERFACE AND AS NOTED | J.M. | J.M. | |
| 3 | 01-27-73 | REVISED AND REDRAWN | J.M. | J.M. | |
| 4 | 12/17/73 | ISSUED FOR CONSTRUCTION | J.M. | J.M. | |

BECHTEL
SAN FRANCISCO

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
HOPE CREEK GENERATING STATION

LOGIC DIAGRAM
AUX. BLOC CONTROL AREA CHILLED WATER SYSTEM
CHILLER AK400/AK403 COMPRESSOR MOTOR

| | | |
|---------|--------------|------|
| JOB No. | DRAWING No. | REV. |
| 10855 | H-90-0 SHT 2 | 3 Q |



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Signed: **DANNY** Date: 7/28/78

MRC 1

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