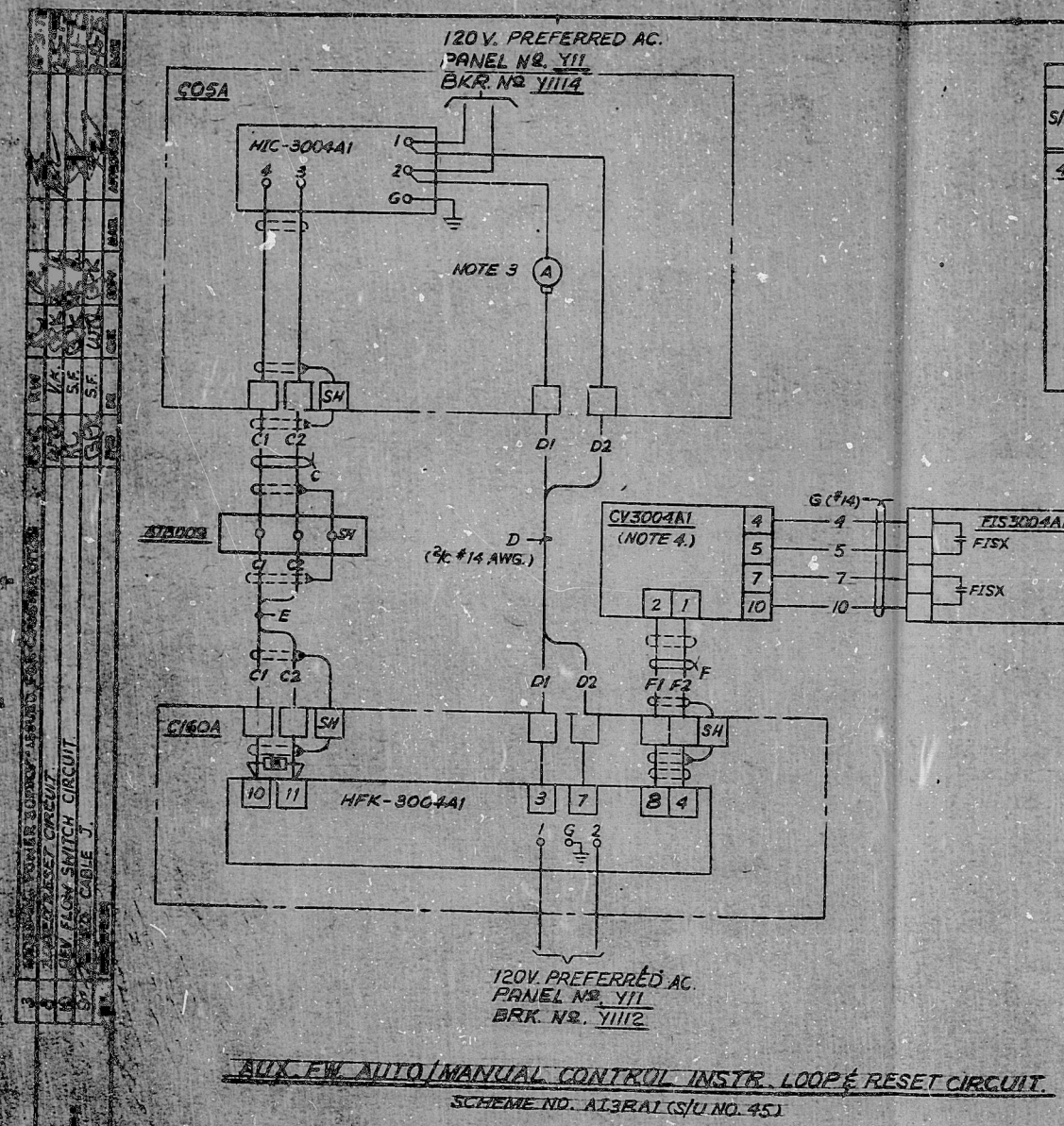
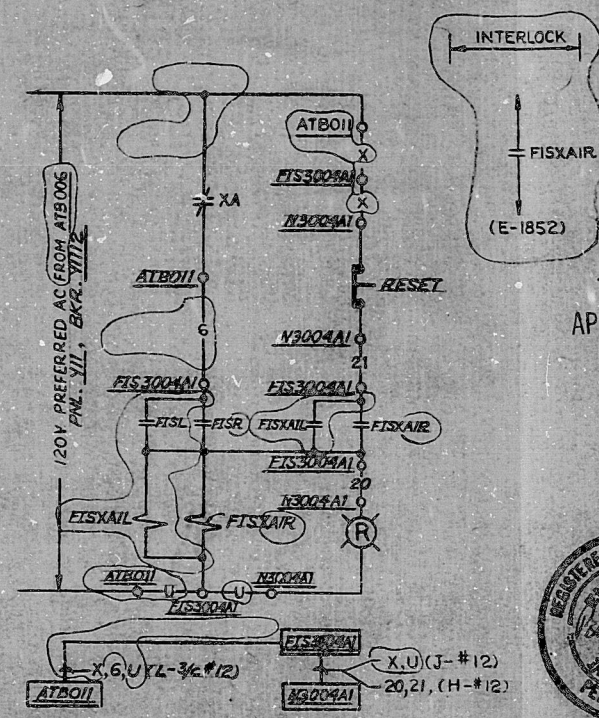




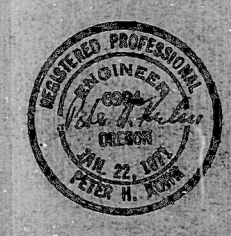
| ADAPTER TABLE |                 |            |                       |            |                  |                  |                |                    |                      |                     |             |           |             |
|---------------|-----------------|------------|-----------------------|------------|------------------|------------------|----------------|--------------------|----------------------|---------------------|-------------|-----------|-------------|
| S/U NO        | TERM. BOX NO'S. | EIS        | LOCAL CONTROL STATION | SCHEME NO. | BOARD INSTRUMENT | LOCAL INSTRUMENT | BOARD LOCATION | LOCAL PNL LOCATION | MOTOR OPERATED VALVE | 120V. PREFERRED AC. |             |           |             |
|               |                 |            |                       |            |                  |                  |                |                    |                      | FOR MOTOR           | FOR CONTROL | FOR MOTOR | FOR CONTROL |
|               |                 | PNL NO     | BRG. NO               | PNL NO     | BRG. NO          |                  |                |                    |                      |                     |             |           |             |
| 45            | ATB003, ATB011, | FIS-3004A1 | N3004A1               | AI-3RA1    | NIC-3004A1       | HFK-3004A1       | C05A           | C160A              | CV-3004A1            | Y11                 | Y1112       | Y11       | Y1112       |
|               | BTB003, BTB011, | 3004A2     | N3004A2               | BI-3RA2    | 3004A2           | 3004A3           | C05B           | C160B              | 3004A2               | Y22                 | Y2212       | Y22       | Y2212       |
|               | ATB003, ATB011, | 3004B1     | N3004B1               | AI-3RB1    | 3004B1           | 3004C1           | C05A           | C160A              | 3004B1               | Y11                 | Y1112       | Y11       | Y1112       |
|               | BTB003, BTB011, | 3004B2     | N3004B2               | BI-3RB2    | 3004B2           | 3004C2           | C05B           | C160B              | 3004B2               | Y22                 | Y2212       | Y22       | Y2212       |
|               | ATB003, ATB011, | 3004C1     | N3004C1               | AI-3RC1    | 3004C1           | 3004C1           | C05A           | C160A              | 3004C1               | Y11                 | Y1112       | Y11       | Y1112       |
|               | BTB003, BTB011, | 3004C2     | N3004C2               | BI-3RC2    | 3004C2           | 3004C2           | C05B           | C160B              | 3004C2               | Y22                 | Y2212       | Y22       | Y2212       |
|               | ATB003, ATB011, | 3004D1     | N3004D1               | AI-3RD1    | 3004D1           | 3004D1           | C05A           | C160A              | 3004D1               | Y11                 | Y1112       | Y11       | Y1112       |
|               | BTB003, BTB011, | 3004D2     | N3004D2               | BI-3RD2    | 3004D2           | 3004D2           | C05B           | C160B              | 3004D2               | Y22                 | Y2212       | Y22       | Y2212       |



- NOTES:
1. ALL PULLED CONTROL WIRES SHALL BE #16 AWG. SHIELDED TWISTED UNLESS NOTED OTHERWISE.
  2. ALL RESISTORS ARE 250 OHMS
  3. AUTO-MANUAL STATION LIGHT IS ON WHEN IN MANUAL.
  4. CV-3004A1 HAS A CONTROLLER WHICH TAKES A 4 TO 20MA SIGNAL.

REFERENCE DWG.

1. M-213 P&ID
2. M-204A-130, 131.



CONTROL FOR (S/U NO. 45)

BECHTEL  
SAN FRANCISCO

TROJAN NUCLEAR PLANT

PORTLAND GENERAL ELECTRIC CO. OREGON

SCHEMATIC DIAGRAM  
INSTRUMENT LOOP CONTROL

|        |          |      |
|--------|----------|------|
| DATE   | BY       | CHKD |
| 6-7-78 | E. G. J. | 10   |

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