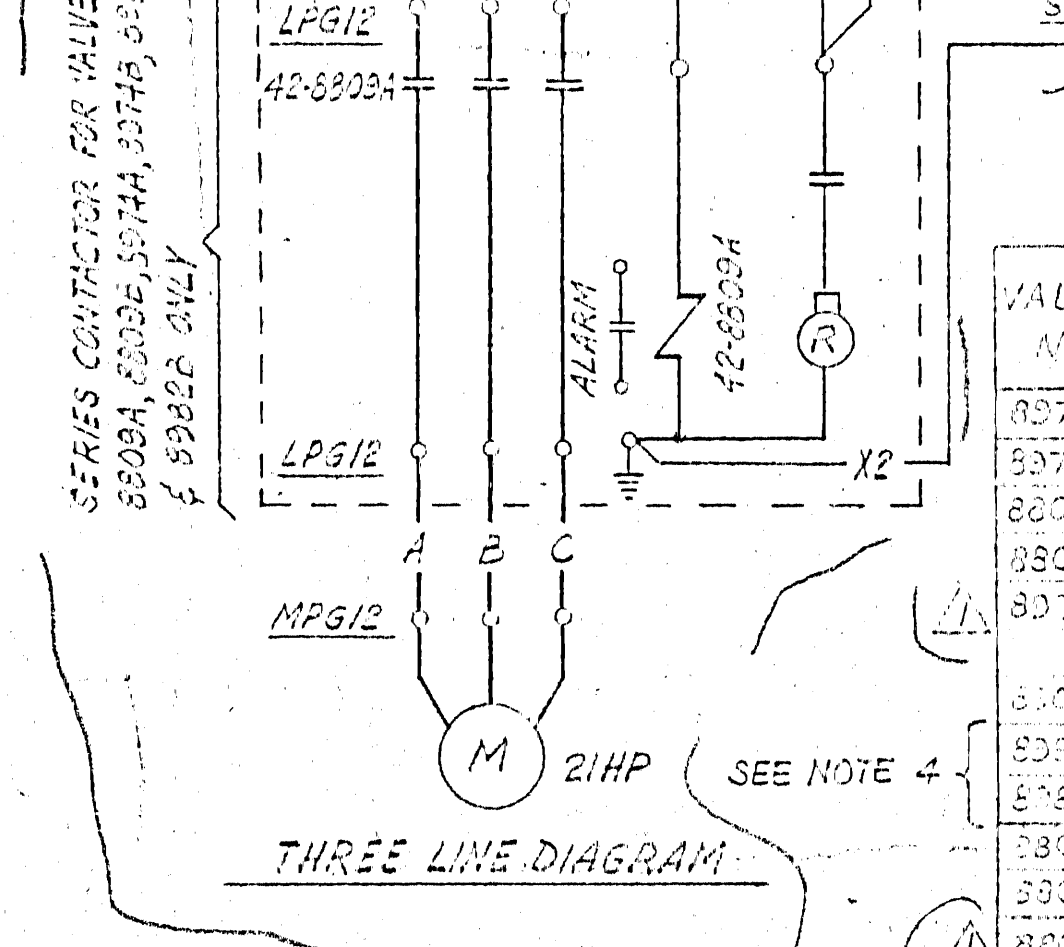
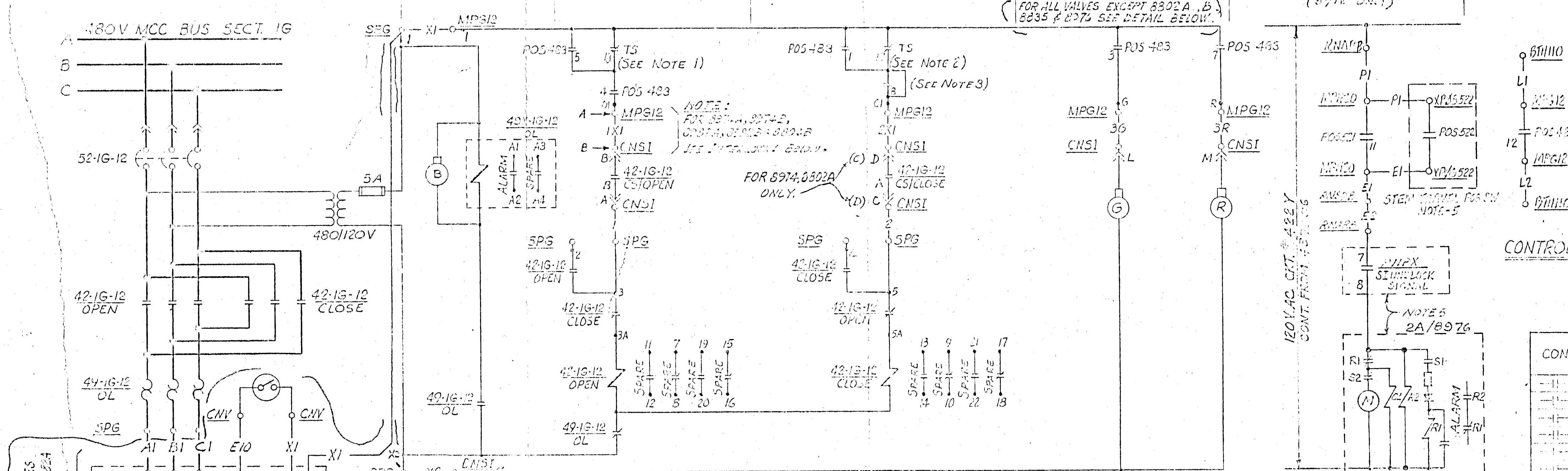


OL AUX RELAY OPEN CLOSE INDICATION VALVE NOT FULLY OPEN ALARM



120V AC CONTROL SCHEMATIC
8809A COLD LEG LOC-SI & 2 RHR INJECTION MOV. CNT. NO. 612P00

SAFETY INJECTION SYSTEM MOV'S SIMILAR EXCEPT AS SHOWN IN TABLE

120V AC CONTROL SCHEMATIC
8809A COLD LEG LOC-SI & 2 RHR INJECTION MOV. CNT. NO. 612P00

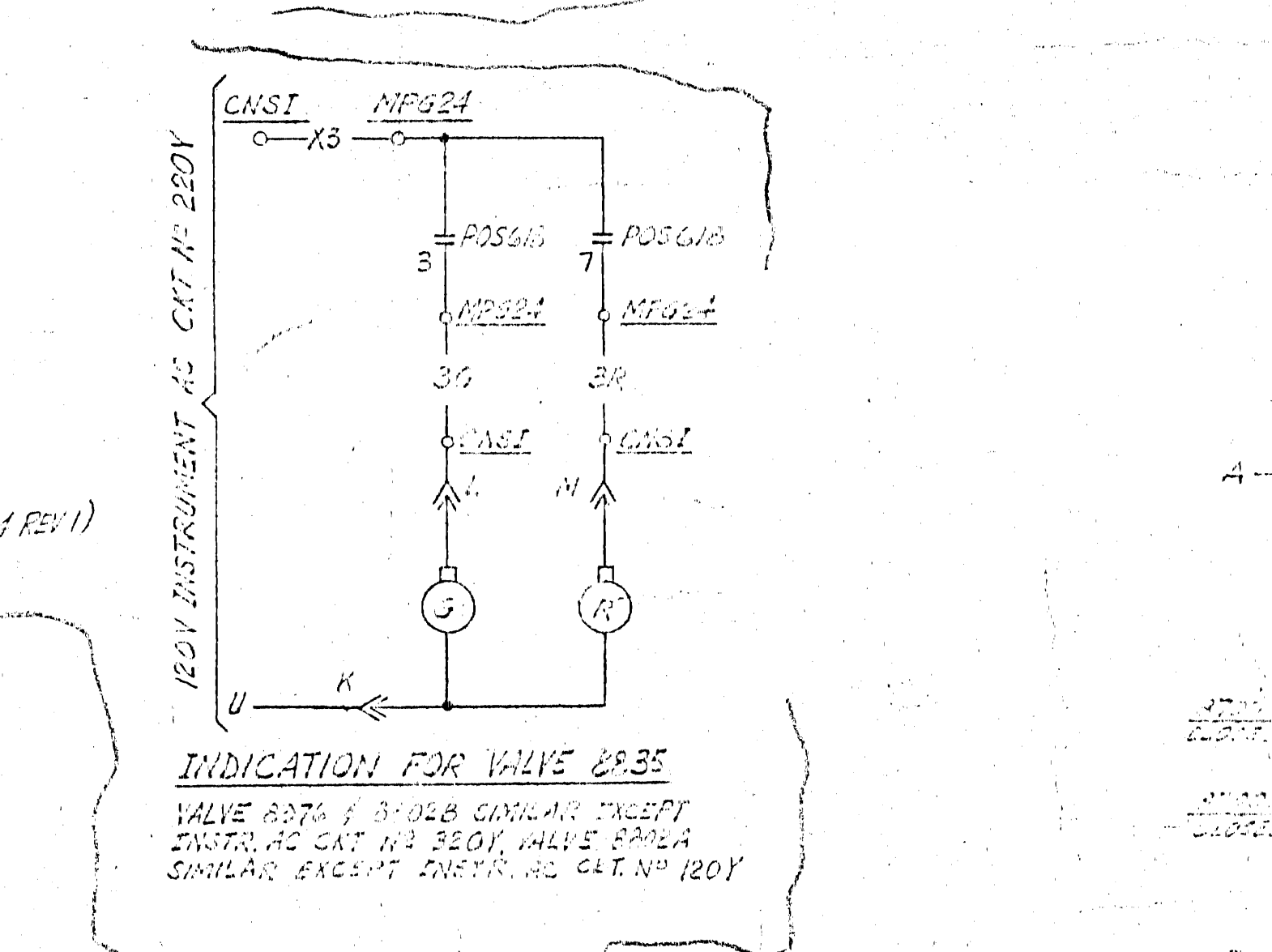
SAFETY INJECTION SYSTEM MOV'S SIMILAR EXCEPT AS SHOWN IN TABLE

Table with columns: VALVE NO., DESCRIPTION, CIRCUIT BKR NO., CIRCUIT NO., BUS SECT., NORMAL POSITION, ENGINEERING SAFETY VITAL FUNCTION, VALVE POSITION SWITCH, LOCATION OF VALVE, MOTOR HP, ALARM CTR. NO., BLOCK RWGT, TRIP OF VALVE, CURRENT FULLY OPEN POS., INTLK REF.

THE BREAKERS FOR THESE VALVES ARE OPEN DURING NORMAL PLANT OPERATION & CLOSED ONLY DURING RECIRCULATION PHASE OR FOR TESTING.

Table with columns: VALVE NO., SERIES, LOC. FOR LOC. OF, ALARM, INTLK.

NOTE: TOGGLE SWITCHES FOR SERIES CONTACTORS ARE C/H 8809A (ENVI RAY 2H FEV)



INDICATION FOR VALVE 8835
VALVE 8835 & 8808 SIMILAR EXCEPT INSTR. AC CNT. NO. 612P00 SIMILAR EXCEPT INSTR. AC CNT. NO. 612P00

8809A OPENING CIR. INTERLOCKS
8809A SIMILAR EXCEPT INSTR. AC CNT. NO. 612P00 (1/2)

8835 OPENING CIR. INTERLOCKS
8835 SIMILAR EXCEPT INSTR. AC CNT. NO. 612P00 (4, 3) & 8809A (1/2)

CONTACTS POSITION REMARKS table with columns for CLOSE, OPEN, and REMARKS.

CONTROL SWITCH - USE AT LOCATIONS CNR, CNSI & CHV FOR SPRING RETURN

Table with columns: CONTACTS, VALVE POSITION (FULL OPEN, FULL CLOSED), FUNCTION.

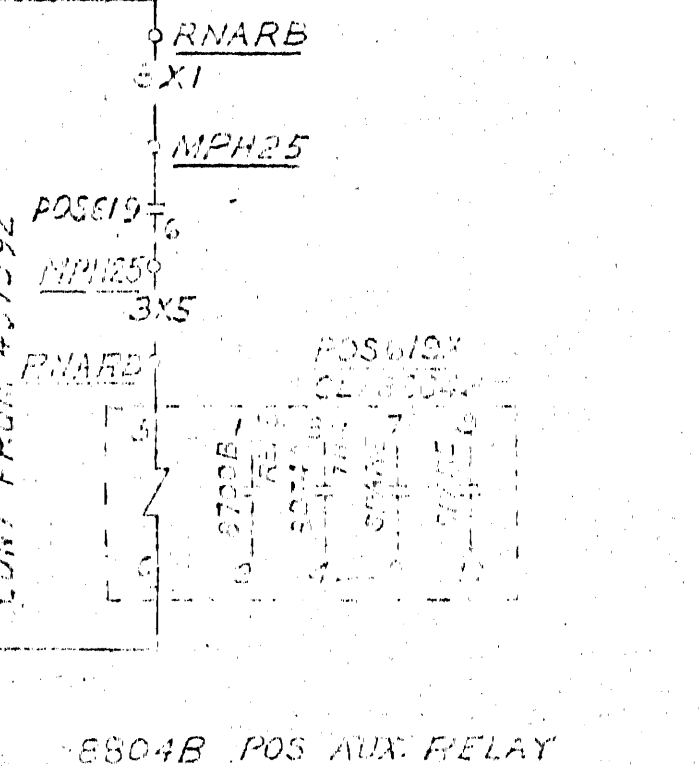


TABLE OF DEVICES

Table with columns: DEVICE NO., FUNCTION, RATING, MFR, TYPE, AT/DWG#, REMARKS.

EQUIPMENT LOCATION NUMBERS

SPB - CONTROL BOARD, CONTROL CENTER BUS SECTION 16
MPB - MOTOR OPERATED VALVE 8805A
CNSI - CONTROL BOARD, SAFETY INJECTION & ACCUMULATION DISCHARGE
CNR - CONTROL BOARD, RESIDUAL HEAT

CHV - CONTROL BOARD, CHEMICAL VOLUME CONTROL SYSTEM

CNSI - CONTROL BOARD, CONTAMINANT SPRAY

RNAR - RACK NUCLEAR AUXILIARY RELAY CUBICLE 1B

BIH10 - TERMINAL BOX #110 AREA H

NOTES: 1-SWITCH OPENS ON MECHANICAL TORQUE DURING OPENING CYCLE OR...

2-SWITCH CLOSURE ON MECHANICAL TORQUE DURING CLOSING CYCLE OR...

3-TRIP TO SIGNAL TRIPPER IF TORQUE SWITCH IS PULLING...

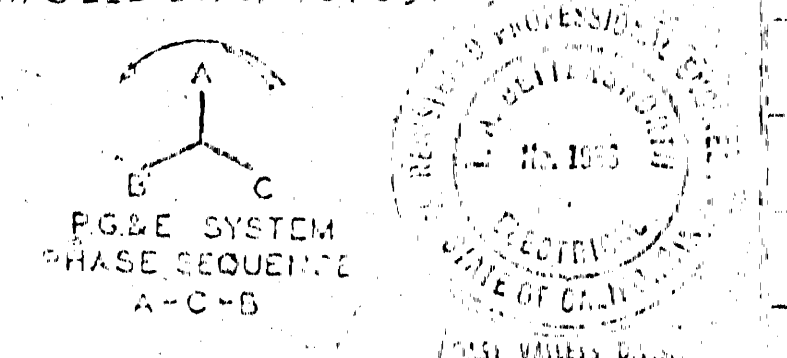
4-CIRCUIT GOES TO VALVE 8809A, 8808A, 8808B, 8808C RUN THROUGH TERMINAL BOARD...

5-WE. DRAW. TO SUPPLY STEM TRAVEL POS. SW. LOC. CONTROL & RECIRCULATION TRIPPER...

REFERENCE DRAWINGS

- 1-SINGLE LINE METER & RELAY DIAGRAM 480V SYSTEM BUS SECT 16 DWG. 437916
- 2-...
- 3-...
- 4-DESCRIPTION OF ELECT SCHEMATIC DIAG. SYMBOLS & CNT. DESIGNATIONS
- 5-EQUIPMENT LOCATION NUMBER LIST
- 6-PIPING SCHEMATIC SAFETY INJECTION SYSTEM
- 7-INSTRUMENT SCHEMATIC FLOW INSTRUMENT SYSTEMS
- 8-SCHEMATIC DIAGRAM RESIDUAL HEAT REMOVAL FLOW CONTROL VALVES
- 9-CONTAMINANT SPRAY SYSTEM MOTOR OPERATED VALVES
- 10-...
- 11-...
- 12-...
- 13-...
- 14-SCHEMATIC DIAGRAM RESIDUAL HEAT REMOVAL PUMPS DWG. 437921

DESIGN CLASS IE EQUIPT



VALVE NO. ... PG&E SYSTEM PHASE SEQUENCE A-C-B

UNIT 1
SCHEMATIC DIAGRAM
SAFETY INJECTION SYSTEM
MOTOR OPERATED VALVES
DIABOLO CANYON
DEPARTMENT OF ENGINEERING
PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIF. 94102

Table with columns: GROUP, ARCH, CIVIL, ELEC, MECH.

TABLE OF CHANGES with columns: NO, DATE, DESCRIPTION, CH, BY, CH, APD, NO, DATE, DESCRIPTION, CH, BY, CH, APD.

TABLE OF CHANGES with columns: NO, DATE, DESCRIPTION, CH, BY, CH, APD, NO, DATE, DESCRIPTION, CH, BY, CH, APD.