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NUCLEAR SAFETY RELATED

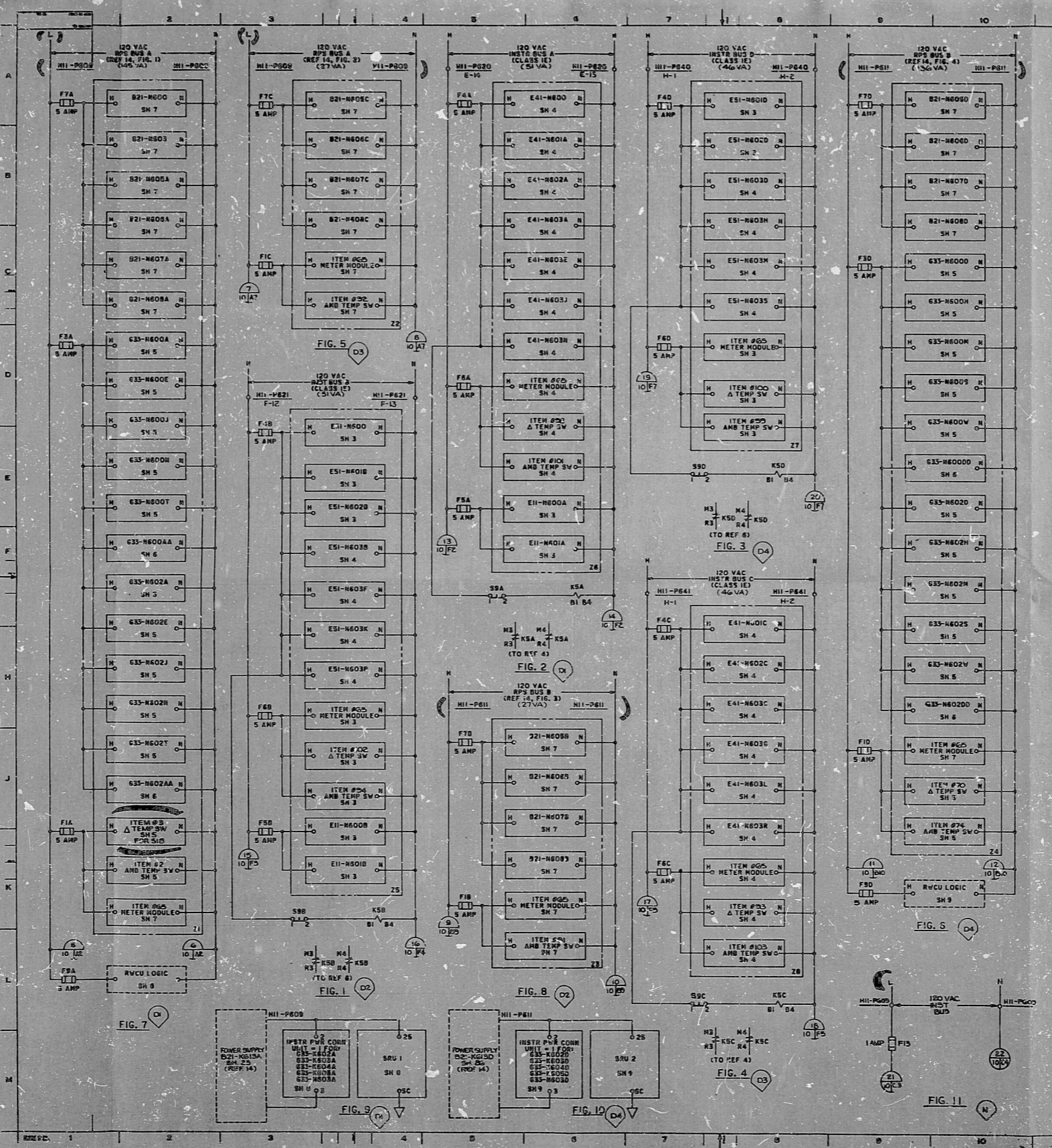
SH. NO.	CONTENTS
1	GENERAL INFO, POWER DISTRIBUTION
2	WIRING & ISOLATION TRANSACTIONS
3	TEMP SWITCHES
4	TEMP SWITCHES
5	TEMP SWITCHES
6	TEMP SWITCHES, ANNUNCIATORS, ISOLATORS
7	TEMP SWITCHES
8	TEMP SWITCHES
9	TEMP SWITCHES
10	TEMP SWITCHES

- NOTES**
- FOR ALL TO SHIELDED TWISTED PAIR FIELD WIRING NO AWG COPPER CONSTANTAN EXTENSION WIRE TYPE 72 TOTAL COVERAGE SHIELD TO BE TIN-COATED COPPER - 36 AWG, 95% MIN. OPTICAL COVERAGE WITH OVERALL TINTEL OR EQUIVALENT INSULATION MATCHED AND CALCULATED TO ISA STANDARD C96.1-1964 TABLE VIII.
 - ROUTE ALL THERMOCOUPLES SEPARATELY FROM POWER CABLES.
 - DUAL TYPE THERMOCOUPLE, UNGROUNDED.
 - CONNECT THERMOCOUPLE OR WIRE DIRECT TO SWITCH.
 - SWITCHES S11 THRU S22 SUPPLIED ON REF. 12.
 - SEE FIG. 4 SH. 1 FOR POWER DISTRIBUTION.
 - SEE FIG. 1 SH. 1 FOR POWER DISTRIBUTION.
 - SEE FIG. 2 SH. 1 FOR POWER DISTRIBUTION.
 - THERMOCOUPLE AND GROUND WIRING NOT RUNNING DIRECT TO AN INSTRUMENT, TO BE CONNECTED TO TERMINAL BOARD.
 - THERMOCOUPLE AND GROUND WIRING NOT RUNNING DIRECT TO A SWITCH, TO BE CONNECTED TO TERMINAL BOARD.
 - UNLESS OTHERWISE INDICATED, THE FOLLOWING REFERENCE DESIGNATIONS SHOWN ON THIS DIAGRAM ARE PREFIXED WITH 821.

DESIGNATION	NOTE
F11	FUSE
K11	RELAY
S11	SWITCH
Z11	ASSEMBLY
R11	SIGNAL RESISTOR UNIT

- INTRA-PANEL PROCESS INSTRUMENTATION SIGNAL LEADS SHALL BE BUNDLED AND ROUTED SEPARATELY FROM AC AND DC POWER WIRING PER REF. 10.
 - SEE FIG. 5, SH. 1 FOR POWER DISTRIBUTION.
 - SEE FIG. 3, SH. 1 FOR POWER DISTRIBUTION.
 - SEE FIG. 7, SH. 1 FOR POWER DISTRIBUTION.
 - USE RETAINING CLIP ASSEMBLY ON THESE RELAYS.
 - SEE FIG. 6, SH. 1, FOR POWER DISTRIBUTION.
 - SEE FIG. 8, SH. 1, FOR POWER DISTRIBUTION.
 - SEE FIG. 9, SH. 1, FOR POWER DISTRIBUTION.
 - SEE FIG. 10, SH. 1, FOR POWER DISTRIBUTION.
 - SUGGESTED AVE CABLE GROUPING
- REFERENCE DOCUMENTS**
- 821-1010 RWCU SYSTEM PELL
 - 821-1000 RWCU SYSTEM ELEM DIAG (E11A)
 - 821-1000 RWCU SYSTEM PELL
 - 821-1000 RWCU SYSTEM ELEM DIAG (E47A)
 - 821-1000 RWCU SYSTEM PELL
 - 821-1000 RWCU SYSTEM ELEM DIAG (E51A)
 - 821-1000 RWCU SYSTEM PELL
 - 821-1000 RWCU SYSTEM ELEM DIAG (E51A)
 - 821-1000 RWCU SYSTEM PELL
 - 821-1000 RWCU SYSTEM ELEM DIAG (E51A)
 - 821-1000 RWCU SYSTEM PELL
 - 821-1000 RWCU SYSTEM ELEM DIAG (E51A)
 - 821-1000 RWCU SYSTEM PELL
 - 821-1000 RWCU SYSTEM ELEM DIAG (E51A)
 - 821-1000 RWCU SYSTEM PELL
 - 821-1000 RWCU SYSTEM ELEM DIAG (E51A)

- LEGEND:**
- LOCATION USED ONLY WHEN NECESSARY FOR CLARITY
 - PART NUMBER OR TERMINAL NUMBER
 - SYSTEM NUMBER OR TERMINAL BOARD IDENT
 - MATCH NUMBER
 - SHEET NUMBER
 - MATCH CIRCLE LAST NO. USED 22
 - INDICATES PANEL POWER CABLE BUS.
 - INDICATES SIGNAL COMMON WIRE TO BUS.



22"
 17"
 11"
 5.0"
 0.5"
 11"
 17"
 22"

22"
 17"
 11"
 5.8"
 8.5"
 11"
 17"
 22"

PRO APERTURE
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