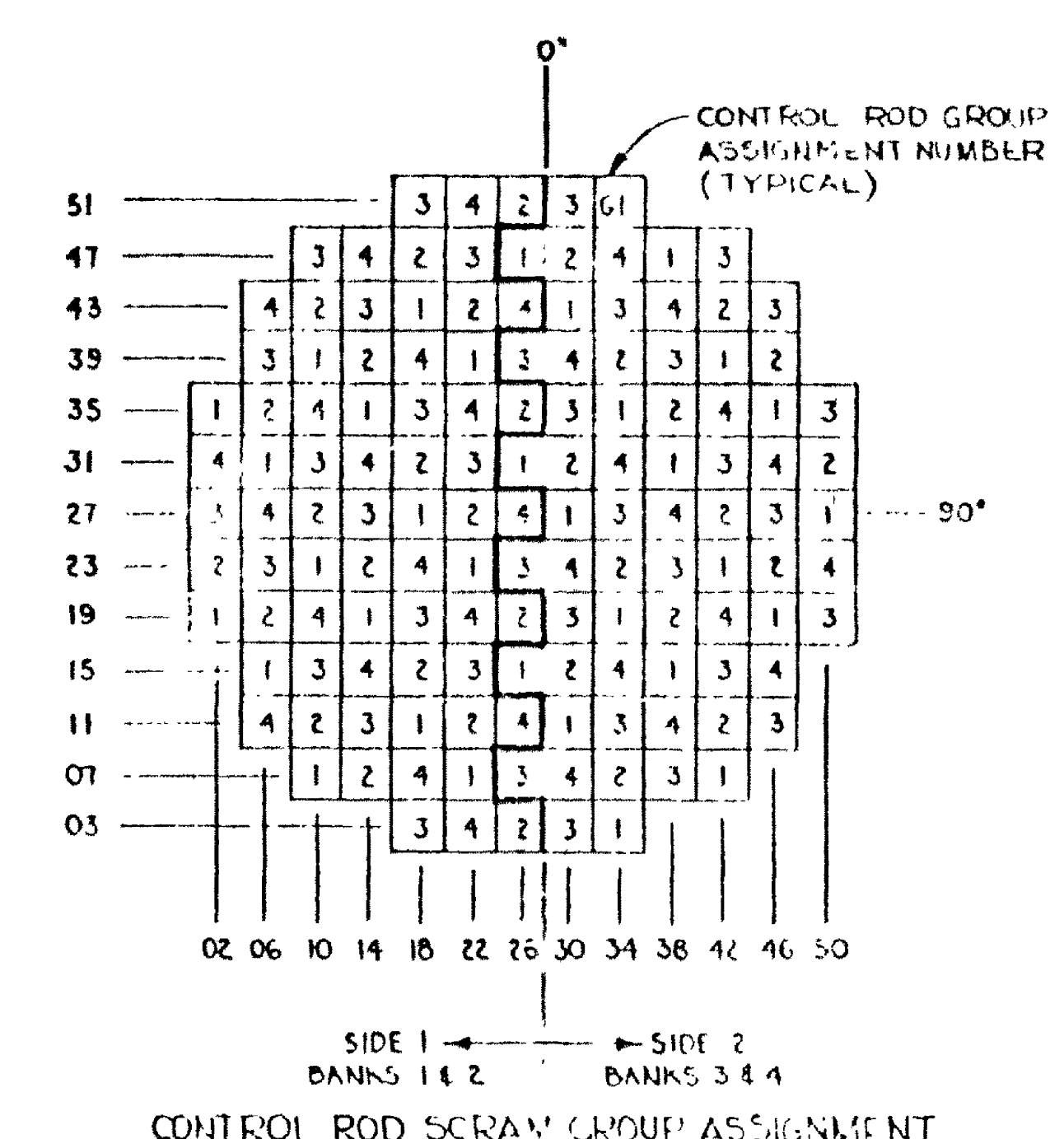
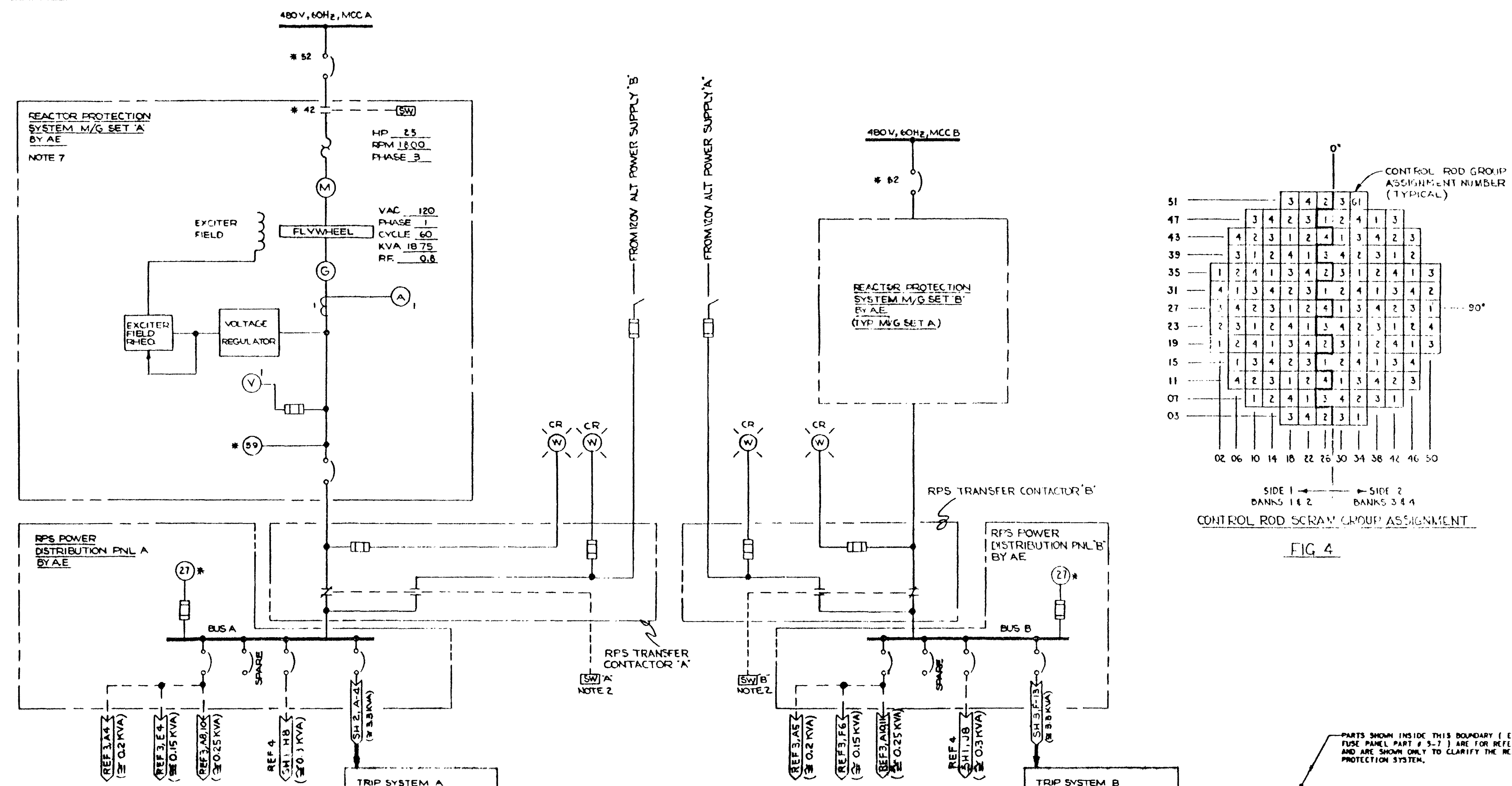
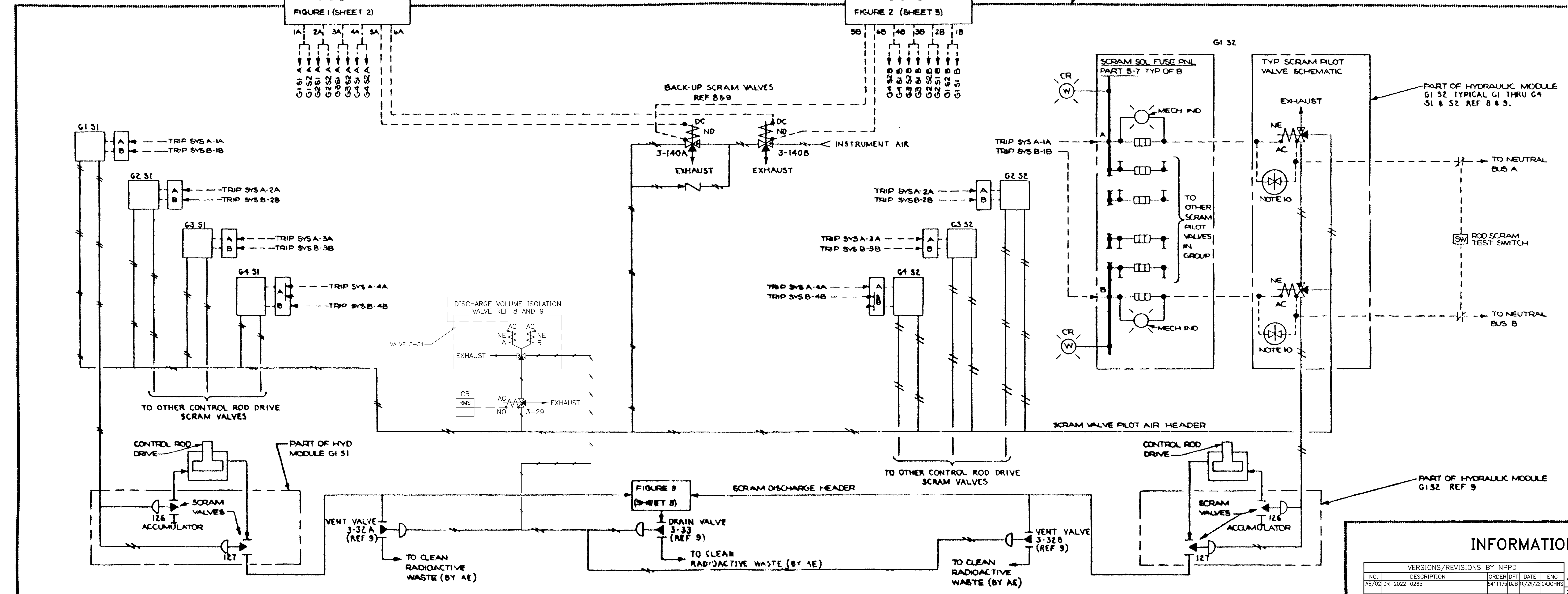


FCF 238X100 b b (5)
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- NOTES:
1. DEVICES USED IN TRIP SYSTEM A ARE IDENTIFIED BY LETTERS A, C, E, G, ETC. THOSE USED IN TRIP SYSTEM B ARE B, D, F, H, ETC.
 2. SYSTEM SHALL BE ARRANGED SO THAT THE BUS CANNOT BE ENERGIZED FROM THE M/G SET AND ALTERNATE SUPPLY AT THE SAME TIME.
 3. ONE SWITCH SHALL BE USED FOR BOTH TRIP SYSTEMS A AND B AND SO ARRANGED THAT ONE ACTUATION OF THE SWITCH WILL RESET ALL SCRAM PILOT VALVES (A AND B) IN GROUP 1 AND GROUP 4 AS WELL AS BACK-UP SCRAM VALVE A. A DIFFERENT ACTUATION OF THE SWITCH WILL RESET ALL SCRAM PILOT VALVES (A AND B) IN GROUP 2 AND GROUP 3 AS WELL AS BACK-UP SCRAM VALVE B.
 4. MAIN STEAM LINE ISOLATION VALVE CLOSURE TRIP SHALL BE ARRANGED SO THAT ANY ONE STEAMLINE MAY BE ISOLATED (BY FULL CLOSURE OF ITS ISOLATION VALVES) AND THE ISOLATION VALVE FOR ANY ONE OTHER STEAMLINE CAN BE CLOSED (MORE THAN 10%) WITHOUT CAUSING A RPS TRIP.
 5. LOGIC FOR THE "TURBINE STOP VALVE CLOSURE" TRIP SHALL BE ARRANGED SO THAT CLOSURE OF 3 OUT OF 4 STOP VALVES WILL CAUSE A RPS TRIP. PROVISION SHALL BE MADE TO ALLOW CLOSURE OF ONE STOP VALVE (FOR TEST PURPOSES) WITHOUT CAUSING A TRIP OF EITHER TRIP SYSTEM A OR B.
 6. TRIP CHANNELS FOR THE "TURBINE CONTROL VALVE FAST CLOSURE" TRIP SHALL BE DERIVED FROM THOSE EVENTS CAUSING FAST CLOSURE OF THE CONTROL VALVES.
 7. EQUIPMENT RATINGS ARE ESTIMATED AND PRELIMINARY. ACTUAL VALUES TO BE DETERMINED AT TIME OF EQUIPMENT PROCUREMENT.
 8. THIS SIGNAL, WHEN ABSENT, DE-ENERGIZES THE SCRAM CONTACTOR.
 9. FOR LOCATION AND IDENTIFICATION OF INSTRUMENTS SEE INSTRUMENT DATA SHEET LISTED IN M/F FOR EACH INSTRUMENT.
 10. SODIUM IODIDE DETECTOR SUPPRESSORS (OR EQUIVALENT) SHALL BE USED TO SUPPRESS ELECTRICAL ARCS OF SCRAM DEVIATORS.

- LEGEND:
- * - SWITCHGEAR DEVICE FUNCTION NUMBER USAS SPEC. C37.2.
- REFERENCES:
- | | | |
|-----|--|----------|
| 1. | DESIGN SPEC. REACTOR PROTECTION SYSTEM | M/F 8 |
| 2. | DESIGN SPEC. TURBINE & GEN & STEAM BYPASS SYSTEM | 1-139 |
| 3. | IED PROCESS RADIATION MONITORING | 7 |
| 4. | IED NEUTRON MONITORING SYSTEM | 7 |
| 5. | FED NEUTRON MONITORING SYSTEM | 2-7 |
| 6. | FED NUCLEAR BOILER MISC. SYSTEM | 2-203 |
| 7. | PAID NUCLEAR BOILER VESSEL INSTRUMENTATION | 2-3 |
| 8. | FED CONTROL ROD DRIVE HYDRAULIC SYSTEM | 3-7 |
| 9. | PAID CONTROL ROD DRIVE HYDRAULIC SYSTEM | 3 |
| 10. | PAID NUCLEAR BOILER | 10 |
| 11. | PAID RESIDUAL HEAT REMOVAL | 10 |
| 12. | PIPING & INSTRUMENT SYMBOLS | 1049300 |
| 13. | LOGIC SYMBOLS | 20944756 |



INFORMATION ONLY

VERSIONS/REVISIONS BY NPPD			
NO.	DESCRIPTION	ORDER/DFT DATE	ENG
AB/02/DR-2022-0265		04/11/75 (DJB)	10/29/22 (CAJONS)

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STATUS: Release F10
STATUS DATE: 02/08/2023
DS APPROVED: CAJONS
VER: AB REV: 02 SIZE: F

APPROVED: SAN JOSE
729E222DB