



DWG. NO. I-TD-010	
REVISIONS	
REV.	DESCRIPTION

- NOTES: (1) All Relay Contacts shown De-energized (Shelf-state).
- (2) Auxiliary Relays (63X, 43, 63Y1, 63Y2) located in Relay Cabinet.
 - (3) Triacs and Resistors located in Relay Cabinet.
 - (4) Push Buttons located in Control Room.
 - (5) Bistables located in Bistable Cabinet.
 - (6) Actuation Relays (63Z1A, 63Z1B, 63Z2A, 63Z2B) located in Actuation Cabinet.
 - (7) Timing Relays (62-1, 62-2, 62-3) and associated Logic Relays (62X1, 62X2A, 62X2B, and 62X3) located in Actuation Cabinet.
 - (8) Bypass Bistable Set Point - 1750 PSIG. Contact 1 Closed & Contact 2 open whenever RC Pressure > 5.0 or Power Supply Failure.
 - (9) Trip Bistable Set Point - 1600 PSIG. Contact 1 Closed & Contact 2 open whenever RC Pressure < 5.0 or Power Supply Failure.
 - (10) Blocks 2, 3, & 4 load at 5, 10, & 15 seconds.

- Notes: (1) All Relay Contacts shown De-energized (Shelf-state).
- (2) Auxiliary Relays (43X, 43Y, 63X1, 63X2, 63Y1) located in Relay Cabinet.
 - (3) Triacs and Resistors located in Relay Cabinet.
 - (4) Push Buttons located in Control Room.
 - (5) Bistable located in Bistable Cabinet.
 - (6) Actuation Relays (63Z1A, 63Z1B, etc.) located in Actuation Cabinet.
 - (7) 63Z1C Relay Contacts - Interlock with 2 other R.B. Isolation channels.
 - (8) Trip Bistable Set Point - 44 psig. Contact 1 Closed & Contact 2 Open whenever RB Pressure > 5.0 or Power Supply Failure.

* Interlock with other 2 R.B. Isolation Channels. For example, Schematic shown is for RB1A channel which interlocks with channels RB2A and RB3A through 63Z1C/RB2A and 63Z1C/RB3A contacts. Interlock prevents defeat of channel before Actuation or unless this channel and one other channel tripped.

TRAINING DRAWING			
REV. 0 THIS DWG. IS DEVELOPED FROM OPERATIONS DEPT. SKETCHES.			
K. DISPO 1-22-82		GPU Nuclear	
DRAWN	DATE	ESAS ACTUATION	
1/22/82	1-22-82	HIGH PRESSURE INJECTION ;	
CHECKED	DATE	R.B. ISOLATION & COOLING	
1/22/82	1/22/82	REV. 0	
DESIGN LEADER	DATE	MET. ED.CO. DWG. NO. I-TD-010	
1-27-82	1-27-82	UNIT I SCALE: NONE	
MANAGER APPROVAL	DATE	AUTHORIZATION NO.	
ENG. MECH.	DATE		

NO.	DWG. NO.	TITLE
REFERENCES		