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AUTOMATED RECORD MANAGEMENT
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Technical Requirements Manual

Volume I

Detroit
Edison

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Appendix R Alternative Shutdown Auxiliary Systems
TR 3.7.7

TABLE TR3.7.7-1 (Page 1 of 4)
Appendix R Alternative Shutdown Control Circuits

FUNCTION	CONTROL CIRCUIT	SWITCH LOCATION
1. EF2 Supervisor Control	Transfer	H21-P623
2. EF2 System Transfer	Transfer	H21-P623
3. Voltage Control	Control	H21-P623
4. Governor Control	Control	H21-P623
5. CTG 11 Unit 1 Control Status	CMC	H21-P623
6. 120 KV Position GM Breaker Control	Control	H21-P623
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9. 120 KV Position GD Breaker Control	Control	H21-P623
10. CTG 11 Position A2 Breaker Control	CMC	H21-P623
11. 13.2 KV Position A7 Outbuilding - TSC FD Breaker Control	CMC	H21-P623
12. 13.2 KV Position A6 SS64 Alternate Feeder Breaker Control	CMC	H21-P623
13. SS64 Primary Position D Breaker Control	CMC	H21-P623
14. SS66 Primary Position C Breaker Control	CMC	H21-P623
15. SS68 Primary Position B Breaker Control	CMC	H21-P623
16. Transfer 1 sec Position A Breaker Control	CMC	H21-P623
17. SBFW Pump A Breaker Control	CMC	H21-P623
18. SBFW Pump B Breaker Control	CMC	H21-P623
19. 4160V Position V1 Breaker Control	CMC	H21-P623
20. 4160V Position V3 Breaker Control	CMC	H21-P623
21. 4160V Position W5 Breaker Control	CMC	H21-P623
22. SBFW Flow Control N21-F002	Push-button	H21-P623
23. SBFW Flow Control N21-F003	Push-button	H21-P623
24. SBFW Isolation Valve N21-F001	Push-button	H21-P623
25. SRV Line B B21-F013 G	Push-button	H21-P623

(continued)

TABLE TR3.12.1-1 (Page 1 of 3)
Fire Detection Instrumentation

FUNCTION	FIRE DETECTION ZONE	TOTAL NUMBER OF INSTRUMENTS ^(a)			
		IONIZATION (X/Y)	PHOTOELECTRIC (X/Y)	THERMAL (X/Y)	INFRARED (X/Y)
1. Reactor Building ^(b)					
a. Torus area	1	8/0			
b. NW corner rooms RHR pump	2	4/0			
c. SW corner rooms RHR pump	3	4/0			
d. SE corner rooms CRD HPCI	4	9/0			
e. NE corner rooms RCIC	5	5/0			
f. First floor	7	31/0		8/0	
g. EECW system area second floor	10	21/0			
h. Third floor	15	15/0			
i. Fourth floor	17	22/0		2/0	
j. Refueling area, fifth floor	17	1/0			10/0
2. Auxiliary Building					
a. Basement N control air equipment	4	6/0			
b. Corridors, 562 ft, 563 ft	5	2/0	2/0		
c. First floor mezzanine cable tray, 583 ft, 603 ft	6	17/0			
d. Switchgear room, corridor area second floor	9	10/0			
e. Cable tunnel	9	10/0			

(continued)

(a) (X/Y) X is number of Function A (early-warning fire detection and notification only) instruments.
Y is number of Function B (actuation of fire suppression system and early warning and notification) instruments.

(b) The fire detection instruments located within the containment are not required to be OPERABLE during the performance of Type A Containment Leakage Rate Tests.