



**LEGEND:**

- EXTERNAL WIRE MARK (SEE NOTES 2 & 3)
  - N/C TERMINAL (WITH PULL OUT PROVISION)
  - INTERNAL WIRE MARK
  - △ IC61-PORT REMOTE SHUTDOWN PANEL (S7)
  - ◇ CLASS 1E - DIVISION 1, THIS SHEET
- IH13-P601 ECCS BENCHBOARD  
 IH13-P627 DIV. I AUX RELAY PANEL  
 IH13-P715B TERMINATION CABINET TM033  
 K203A AGASTAT CPMGM  
 △ IC61-F001B REMOTE SHUTDOWN PANEL (S4)

**NOTES:**

1. ALL DEVICES WITHOUT LOCATION MARKS ARE LOCATED IN M.C.C.
2. ALPHABETICAL WIRE MARKS ARE PREFIXED BY: SUBSYSTEM NO., SHEET NO., & LINE NO. (EXAMPLE E12A6407A)
3. POTENTIAL WIRE MARKS ARE PREFIXED BY: SUBSYSTEM NO., & SHEET NO. (EXAMPLE E12A64X1)
4. DEVICE DESIGNATIONS ARE PREFIXED BY: UNIT AND SYSTEM NO. (EXAMPLE E12-F052A) EXCEPT AS NOTED (SEE NOTE 8)
5. VALVE SHOWN IN FULL CLOSED POSITION.
6. FOR GRAPHIC STANDARDS REFER TO DRAWING W-200-001.
7. SWITCH DEVELOPMENT FOR REMOTE SHUTDOWN TRANSFER AND CONTROL SWITCHES IC61A-57 & IC61A-541 ARE SHOWN ON DRAWING B-200-039.
8. THE FOLLOWING DEVICES ARE PREFIXED BY: E12A 559A - SWITCH

**REFERENCE**  
 G.E. CO. DWG. 82BE534 CA SH.1  
 G.E. CO. DWG. 82BE239 SH.5  
 B-211-055 SH.30

NO.	TYPE	LIMIT SW. CONTACT DEVELOPMENT		CONTACT LOCATION
		FULL OPEN	FULL CLOSED	
1				SPARE
2				SPARE
3				25
4				07
5				SPARE
6				SPARE
7				07
8				SPARE
9				SPARE
10				SPARE
11				SPARE
12				SPARE
13				SPARE
14				SPARE
15				SPARE
16				SPARE

- 17 CLOSING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF MECHANICAL OVERLOAD OCCURS DURING CLOSING CYCLE OR FULLY CLOSED VALVE.
  - 18 OPENING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF MECHANICAL OVERLOAD OCCURS DURING OPENING CYCLE OR FULLY OPENED VALVE.
- CLOSED CONTACT  
 - - - OPEN CONTACT
- ROTORS 3 AND 4 CAN BE SET AT VALVE POSITION IN FULL OPEN, FULL CLOSED OR ANY POSITION IN BETWEEN AS INDICATED BY POINTS A AND B.  
 REF: PHILA. GEAR CORP. DWG. 15-477-2759-3 REV. 1

559A/IH13-P601		CONTROL SWITCH		CONTACT LOCATION
(CAM) CONTACTS	NAMEPLATE (FV)	CLOSE	AUTO OPEN	
TR1	2	X		19
TR3	4		X	07
BF5	6	X		SPARE
BR7	8		X	SPARE
OPER BLOCK CR2940EUS203A		X-CLOSED CONTACT		
SPRING RETURN TO AUTO				

**REMOTE SHUTDOWN**

**NUCLEAR SAFETY RELATED**

**THE CLEVELAND ELECTRIC ILLUMINATING CO.**

**PERRY NUCLEAR POWER PLANT UNIT 1**

**ELECTRICAL-ELEMENTARY DIAGRAM**

**RESIDUAL HEAT REMOVAL SYSTEM**

**STEAM LINE ISOLATION MOV F052A (THROTTLE TYPE)**

CONSTRUCTION	TEF
PRELIMINARY	
DATE	RELEASED FOR ENGR.
GILBERT ASSOCIATES, INC. ENGINEERS AND CONSULTANTS	
044549-008	1/30/57

044549 19 203 055 E12 A64 D  
 DRAWING NUMBER SYSTEM SH. NO. REV.

REV	MADE	CHKD	APPROVALS	DATE	REV	MADE	CHKD	APPROVALS	DATE	REV	MADE	CHKD	APPROVALS	DATE	REV	MADE	CHKD	APPROVALS	DATE	REV	MADE	CHKD	APPROVALS	DATE	

CHANGED FUSE SIZE  
 ADDED REMOTE SHUTDOWN  
 PANEL COMPARTMENT DESIGNATION  
 D Y Z F M DEL R D W K C O J S R M DEG R A M H-9-77 P R M R M DEG R A M 8-17-77 A W W R M DEG R A M 8-17-77

**ELEM DIAG STM LINE ISO MCV F052A**

KIDS

8212160484

