



- LEGEND:**
- ⊠ EXTERNAL WIRE MARK (SEE NOTES 2 & 3)
 - MCC TERMINAL (WITH PULL OUT PROVISION)
 - ⊙ INTERNAL WIRE MARK
 - ⊠ IH13-P601 ECCS BENCHBOARD
 - ⊠ IH13-P714D TERMINATION CABINET TMO23
 - ⊠ K211B-AGASTAT GP16M
 - ⊠ IH13-P618 DIVISION 2 AUX RELAY PANEL
 - ⊠ CLASS I E DIVISION 2, THIS SHEET

- NOTES:**
1. ALL DEVICES WITHOUT LOCATION MARKS ARE LOCATED IN D.C.C.
 2. ALPHABETICAL WIRE MARKS ARE PREFIXED BY: SUB-SYSTEM NO., SHEET NO., & LINE NO. (EXAMPLE E12A6305A)
 3. POTENTIAL WIRE MARKS ARE PREFIXED BY: SUB-SYSTEM NO. & SHEET NO. (EXAMPLE E12A63X1)
 4. DEVICE DESIGNATIONS ARE PREFIXED BY: UNIT AND SYSTEM NO. (EXAMPLE IE12-FO87B) EXCEPT AS NOTED (SEE NOTE 7)
 5. VALVE SHOWN IN FULL CLOSED POSITION.
 6. FOR GRAPHIC STANDARDS REFER TO DRAWING B-200-001.
 7. THE FOLLOWING DEVICES ARE PREFIXED BY IE12A

B-211-055 SH-32
REFERENCE
GE CO. DWG. 828E534CA SH.13

ROTOR	LIMIT SW. CONTACT DEVELOPMENT		CONTACT LOCATION
	VALVE POSITION	CONTACT DEVELOPMENT	
	FULL OPEN	FULL CLOSED	
1			SPARE
2			SPARE
3			23
4			05
5			05
6			SPARE
7			21
8			SPARE
9			SPARE
10			SPARE
11			SPARE
12			SPARE
13			SPARE
14			SPARE
15			SPARE
16			SPARE

- ⊙ CLOSING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF MECHANICAL OVERLOAD OCCURS DURING CLOSING CYCLE OR FULLY CLOSED VALVE.
 - ⊙ OPENING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF MECHANICAL OVERLOAD OCCURS DURING OPENING CYCLE OR FULLY OPENED VALVE.
- CLOSED CONTACT
- - - OPEN CONTACT
- ROTOR 3 AND 4 CAN BE SET AT VALVE POSITION FULL OPEN, FULL CLOSED OR ANY POSITION IN BETWEEN AS INDICATED BY POINTS A AND B.
REF: PHILA. GEAR CORP. DWG. 15-877-2759-3 REV. A

PRC
APERTURE
CARD

558B/IH13-P601 CONTROL SWITCH		NAMEPLATE (FV)		CONTACT
CONTACTS	OPERATOR	CLOSE	AUTO	OPEN
TF1	2	X		17
TR2	4			05
BF5	6	X		SPARE
BR7	8			SPARE
OPER. BLOCK CR2940-US203A		X CLOSED CONTACT		
SPRING RETURN TO AUTO				

⊠ NUCLEAR SAFETY RELATED

THE CLEVELAND ELECTRIC ILLUMINATING CO.		UNIT 1	
PERRY NUCLEAR POWER PLANT		ELECTRICAL-ELEMENTARY DIAGRAM	
RESIDUAL HEAT REMOVAL SYSTEM STEAM LINE ISOLATION VALVE F087B (THROTTLE VALVE)			
04	4549	B-208-055	E12 A63 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	
ELEM DIAG IE12-FO87B																									

RIDS

82L2160482

