



- LEGEND:**
- EXTERNAL WIRE MARK (SEE NOTES 2 & 3)
 - MCC TERMINAL (WITH PULL OUT PROVISION)
 - INTERNAL WIRE MARK
 - △ IH13-P601 ECCS BENCHBOARD
 - △ IH13-P714B TERMINATION CABINET TMO41
 - △ K203B-AGASTAT GPIGM
 - △ IH13-P618 DIVISION 2, AUX RELAY PANEL
 - ⊕ CLASS 1E DIVISION 2, THIS SHEET

- NOTES:**
1. AL: DEVICES WITHOUT LOCATION MARKS ARE LOCATED IN H.C.C.
 2. ALPHABETICAL WIRE MARKS ARE PREFIXED BY: SUB-SYSTEM NO., SHEET NO., & LINE NO. (EXAMPLE E12A6505A)
 3. POTENTIAL WIRE MARKS ARE PREFIXED BY: SUB-SYSTEM NO. & SHEET NO. (EXAMPLE E12A65X1)
 4. DEVICE DESIGNATIONS ARE PREFIXED BY: UNIT AND SYSTEM NO. (EXAMPLE I12-F052B) 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 I12A 559B-SWITCH

REFERENCE
 GE CC DWG. 828E534CA 5H 13

TYPE	LIMIT SW. CONTACT DEVELOPMENT				CONTACT LOCATION
	VALVE POSITION		FULL CLOSED		
ROTOR	POINT A	POINT B	POINT A	POINT B	
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. 15-477-2759-3 REV. A

S59B/IH13-P601 CONTROL SWITCH

(CAM 1) CONTACTS	NAMEPLATE (F.V.)	CONTACT LOCATION
OPERATOR	CLOSE/AUTO/OPEN	
TF 1	2	X 17
TR 3	4	X 05
BF 5	6	X SPARE
BR 7	8	X SPARE

OPER. BLOCK CR2940-05203A X-CLOSED CONTACT

SPRING RETURN TO AUTO

⊕ NUCLEAR SAFETY RELATED

THE CLEVELAND ELECTRIC ILLUMINATING CO.
 PERRY NUCLEAR POWER PLANT UNIT 1
 ELECTRICAL-ELEMENTARY DIAGRAM
 RESIDUAL HEAT REMOVAL SYSTEM
 STEAM LINE ISOLATION VALVE
 F052B
 (THROTTLE VALVE)

CONSTRUCTION	TFE
PRELIMINARY	
DATE RELEASED FOR	ENGR.

GILBERT ASSOCIATES, INC.
 ENGINEERS AND CONSULTANTS

REV	MADE	CHKD	APPROVALS	DATE
04	4549	B-208-055	E12 A65	

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	

REPOSITIONED WIRE INSIDE OF CABINET. ADDED REFERENCE AS PER GAE BLUELINE
 CHANGED FUSE SIZE
 ADDED FITS INFORMATION ADDED TERM. CAP.
 REVISED CONTACT DESIGN REMOVED TERM. POINT

READING PA. 044549-000
 WORK ORDER MADE CHKD. DR. APP. ENGR. APP. DATE

ELEM DIAG I12-F052B

RIDS

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