



REVISIONS

REV	MADE	CHKD	APPROVALS	DATE	REV	MADE	CHKD	APPROVALS	DATE	REV	MADE	CHKD	APPROVALS	DATE	REV	MADE	CHKD	APPROVALS	DATE	
C	RAM	RAM		4/1/77	B	RAM	RAM		8-12-77	A	RAM	RAM								

ADD'D WIRE INFO, CAG, AL'S  
ADD'D REFERENCE PER  
CAG BLUELINE

ADD'D FTS INFO  
ADD'D TERM CAB  
CHANGED UP FUSE INFORM

REVISED CONTACT DESIG.  
REMOVED TERM. POINT

READING PA.  
GILBERT ASSOCIATES, INC.  
ENGINEERS AND CONSULTANTS

044549-000

WORK ORDER  
DATE

6/30/77

CONSTRUCTION	PRELIMINARY	RELEASED FOR	ENGR.
GILBERT ASSOCIATES, INC. ENGINEERS AND CONSULTANTS			

6/30/77 04

4549	B-208-055	E12	A55
DRAWING NUMBER	SYSTEM	SH. NO.	REV.

ELEM DIAG IE12-F01B

- LEGEND:**
- ⊖ EXTERNAL WIRE MARK (SEE NOTES 2 & 3)
  - MCC TERMINAL (WITH PULL OUT PROVISION)
  - INTERNAL WIRE MARK
  - ⊠ IH13-P601 ECCS BENCHBOARD
  - ⊡ IH13-P148 TERMINATION CABINET TM043
  - ⊢ K205B-AGASTAT GPIGM
  - ⊣ IH13-P618 DIVISION 2 AUX RELAY PANEL
  - ⊤ CLASS I E DIVISION 2, THIS SHEET

- NOTES:**
1. ALL DEVICES WITHOUT LOCATION MARKS ARE LOCATED IN M.C.C.
  2. ALPHABETICAL WIRE MARKS ARE PREFIXED BY: SUB-SYSTEM NO., SHEET NO., & LINE NO. (EXAMPLE E12A5505A)
  3. POTENTIAL WIRE MARKS ARE PREFIXED BY: SUB-SYSTEM NO. & SHEET NO. (EXAMPLE E12A55X1)
  4. DEVICE DESIGNATIONS ARE PREFIXED BY: UNIT AND SYSTEM NO. (EXAMPLE IE12-F01B)
  5. VALVE SHOW IN FULL CLOSED POSITION.
  6. FOR GRAPHIC STANDARDS REFER TO DRAWING D-200-001.
  7. THE FOLLOWING DEVICES ARE PREFIXED BY IE12A:
    - S37B - SWITCH

REFERENCE  
B-211-055-5417  
GE CO. DWG 828E534CA 5H13

ROTOR	LIMIT SW. CONTACT DEVELOPMENT			CONTACT LOCATION
	VALVE POSITION	FULL CLOSED		
POINT	A	B	C	
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

- 27 CLOSING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF MECHANICAL OVERLOAD OCCURS DURING CLOSING CYCLE OR FULLY CLOSED VALVE.
  - 28 OPENING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF MECHANICAL OVERLOAD OCCURS DURING OPENING CYCLE OR FULLY OPENED VALVE.
- CLOSED CONTACT  
- - - OPEN CONTACT
- ROTORS 3 AND 8 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

S37B/IH13-P601 CONTROL SWITCH		CONTACT LOCATION
(CAM)	NAMEPLATE (EV)	
CONTACTS		
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	X - CLOSED CONTACT	
CR2940-US203A		
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  
RHR HEAT EXCHANGE - FLOW TO  
SUPPRESSION POOL MGV F011B  
(THROTTLE VALVE)

RIDS

8212160405

