



LEGEND:
 ○ EXTERNAL WIRE MARK (SEE NOTES 2 & 3)
 □ MCC TERMINAL (WITH PULL OUT PROVISION)
 ○ INTERNAL WIRE MARK
 (D1) CLASS 1E DIVISION 1, THIS SHEET
 IH13-P601 EMERGENCY CORE COOLING R.P.
 IH13-P623 DIVISION 1 AUXILIARY RELAY PANEL
 IH13-P713B PGCC TERMINATION CABINET TMO18
 K20B - AGASTAT RELAY TYPE GP16H

REFERENCES:-
 828E4456 SHEET 8 P.E. COMPANY DRAWING
 8-211-013 SP.

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 921H1905A)
 3. POTENTIAL WIRE MARKS ARE PREFIXED BY: SUB-SYSTEM NO. & SHEET NO. (EXAMPLE 821H19X1)
 4. DEVICE DESIGNATIONS ARE PREFIXED BY: UNIT AND SYSTEM NO. (EXAMPLE 1821-F067A) EXCEPT AS NOTED, SEE NOTE 7.
 5. VALVE SHOWN IN FULL CLOSED POSITION.
 6. FOR GRAPHIC STANDARDS REFER TO DRAWING 8-266-001.
 7. THE FOLLOWING DEVICES ARE PREFIXED BY 1821H.

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

(17) CLOSING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF MECHANICAL OVERLOAD OCCURS DURING CLOSING CYCLE OF FULLY CLOSED VALVE.
 (18) OPENING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF MECHANICAL OVERLOAD OCCURS DURING OPENING CYCLE OF FULLY OPENED VALVE.
 --- CLOSED CONTACT
 - - - OPEN CONTACT
 (N/A) ROTORS 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. DNG. 15-477-2759-3 REV. A

S35/IH13-P601 CONTROL SWITCH		NAMEPLATE (F.V.)		CONTACT LOCATION
(CAM 2) CONTACTS		CLOSE	NORM OPEN	
OPERATOR				
TR 1 2		X		SPARE
TR 3 4			X	05
BF 5 6		X		17
BR 7 8			X	SPARE
OPER BLOCK CR2940-05203A		X-CLOSED CONTACT		
SPRING RETURN TO NORMAL				

(D1) NUCLEAR SAFETY RELATED

THE CLEVELAND ELECTRIC ILLUMINATING CO.		
PERRY NUCLEAR POWER PLANT		UNIT 1
ELECTRICAL ELEMENTARY DIAGRAM		
NUCLEAR STEAM SUPPLY SHUTOFF SYSTEM		
MAIN STEAMLINE DRAIN LINE ISOLATION		
MOTOR OPERATED VALVE (OUTBOARD) F067A		
04	4549	B-208-013
B21	H19	D
DRAWING NUMBER		SYSTEM SH. NO. 1 REV.

REV	MADE	CHKD	APPROVALS	DATE	REV	MADE	CHKD	APPROVALS	DATE	REV	MADE	CHKD	APPROVALS	DATE	REV	MADE	CHKD	APPROVALS	DATE	WORK ORDER	MADE	CHKD	DR. APP.	ENG. APP.	DATE				
D	P.V.K.	T.A.M.	DEC	RAM	2/1/82	C	Y.Z.	R.M.	DEC	RAM	2-12-81	B	R.M.	R.A.H.	DEC	RAM	1-4-82	A	R.M.	R.A.H.	DEC	RAM	1-25-77	044549-000	J.G.S.	G.R.G.	DEC	MD	3/11/77

ELEM DIAG 1B21-F067A

Rids

87-2130418

