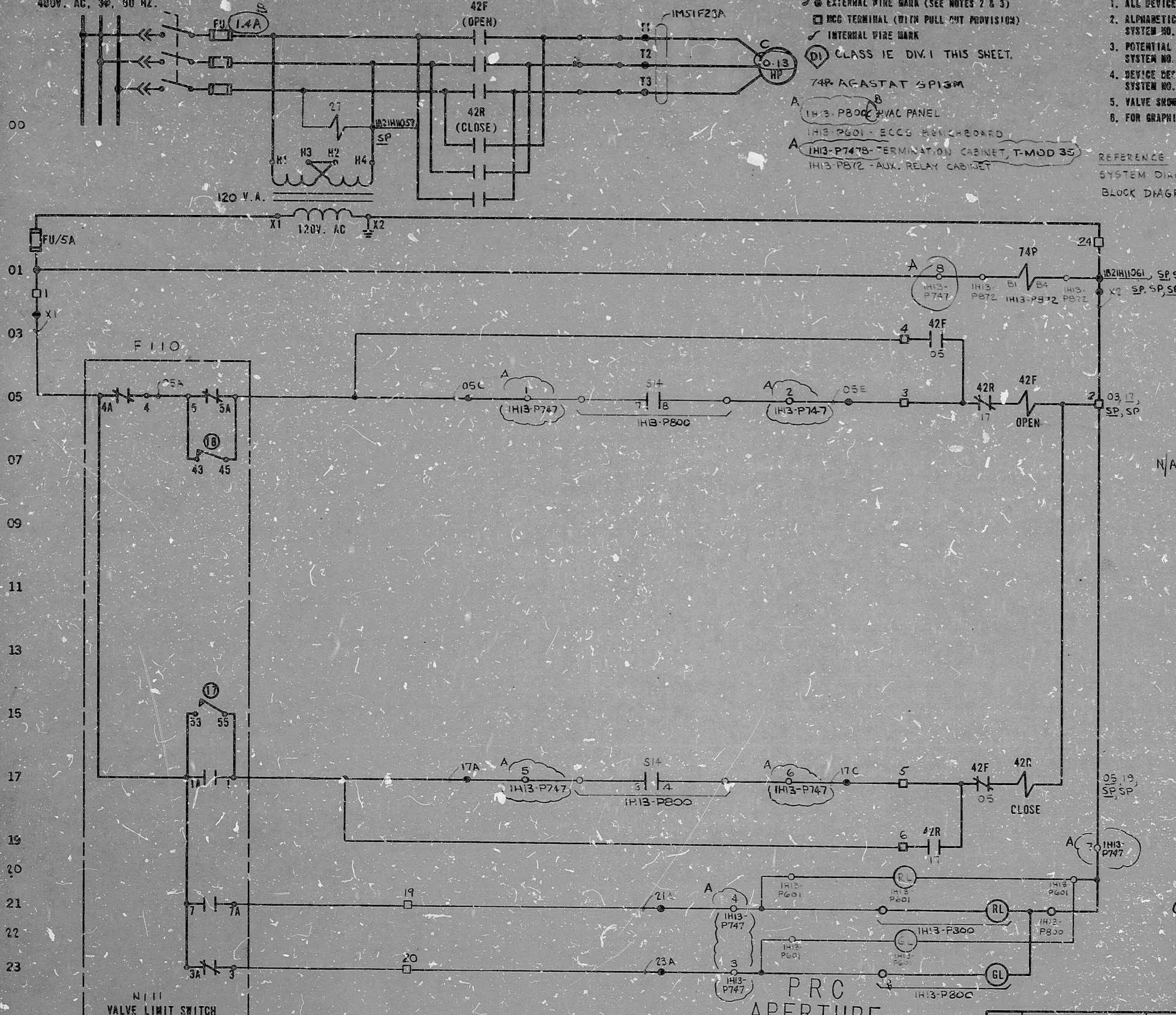


MOTOR CONTROL CENTER EF18 07 COMPT. XM1
480V. AC. 3Ø. 50 HZ.



LEGEND:

- EXTERNAL WIRE MARK (SEE NOTES 2 & 3)
- MCC TERMINAL (WITH PULL OUT PROVISION)
- INTERNAL WIRE MARK
- Ⓧ CLASS 1E DIV. 1 THIS SHEET.
- 74P AC/STAT 5P13M
- A IH13-P800 - HVAC PANEL
- B IH13-P601 - ECCS KENCHBOARD
- A IH13-P747 - TERMINATION CABINET, T-MOD 35
- IH13-P812 - AUX. RELAY CABINET

NOTES:

1. ALL DEVICES WITHOUT LOCATION MARKS ARE LOCATED IN M.C.C.
2. ALPHABETICAL WIRE MARKS ARE PREFIXED BY: SYSTEM NO., SHEET NO., & LINE NO. (EXAMPLE M51-14-05)
3. POTENTIAL WIRE MARKS ARE PREFIXED BY: SYSTEM NO. & SHEET NO. (EXAMPLE M51-14-X1)
4. DEVICE DESIGNATIONS ARE PREFIXED BY: UNIT AND SYSTEM NO. (EXAMPLE IM51-S14)
5. VALVE SHOWN IN FULL CLOSED POSITION.
6. FOR GRAPHIC STANDARDS REFER TO DRAWING B-200-001.

REFERENCE:

SYSTEM DIAGRAM G41/DWG. NO. D-302-83
BLOCK DIAGRAM B-211-140 SH. 14

ROW	CONTACT	LIMIT SW. CONTACT DEVELOPMENT		CONTACT LOCATION
		VALVE POSITION	FULL CLOSED	
1	1			17
1	2			23
1	3			05
1	4			05
2	5			21
2	6			SPARE
2	7			SPARE
2	8			SPARE
2	9			SPARE
2	10			SPARE
2	11			SPARE
2	12			SPARE
2	13			SPARE
2	14			SPARE
2	15			SPARE
2	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 FULL OPEN, FULL CLOSED OR ANY POSITION IN BETWEEN AS INDICATED BY POINTS A AND B.
REF: PHILA. GEAR CORP. DNG. 15-477-17G-3 REV. A

S14/IH13-P800		CONTROL SWITCH			CONTACT LOCATION
(CAM 15) CONTACTS	OPERATOR	NAMEPLATE (F.V)	CLOSE	NORM	
TR 1	2		X	X	SPARE
TR 3	4		X	X	17
TR 5	6		X	X	SPARE
TR 7	8			X	05

OPER - BLOCK
X - CLOSED CONTACT
UR294C-UN200T
MOMENTARY KEYLOCK REMOVABLE IN NORM

Ⓧ NUCLEAR SAFETY RELATED

PRC APERTURE CARD

THE CLEVELAND ELECTRIC ILLUMINATING CO.	
PERRY NUCLEAR POWER PLANT UNIT 1	
ELECTRICAL-ELEMENTARY DIAGRAM	
COMBUSTIBLE GAS CONTROL SYSTEM	
BACKUP HYDROGEN PURGE	
OUTBOARD ISO. MOV. F110	
04	4549 13208-140 M51-14 C
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	

7-28-77	CONSTRUCTION	TFE
	PRELIMINARY	
	RELEASED FOR	ENGR.
GILBERT ASSOCIATES, INC.		
ENGINEERS AND CONSULTANTS		
044549-000	GR2 RPPS	DEG 7-28-77
WORK ORDER	MADE	CHKD. DR. APP. ENG. APP. DATE

EZEMDIAG I M51-F110

Rids

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