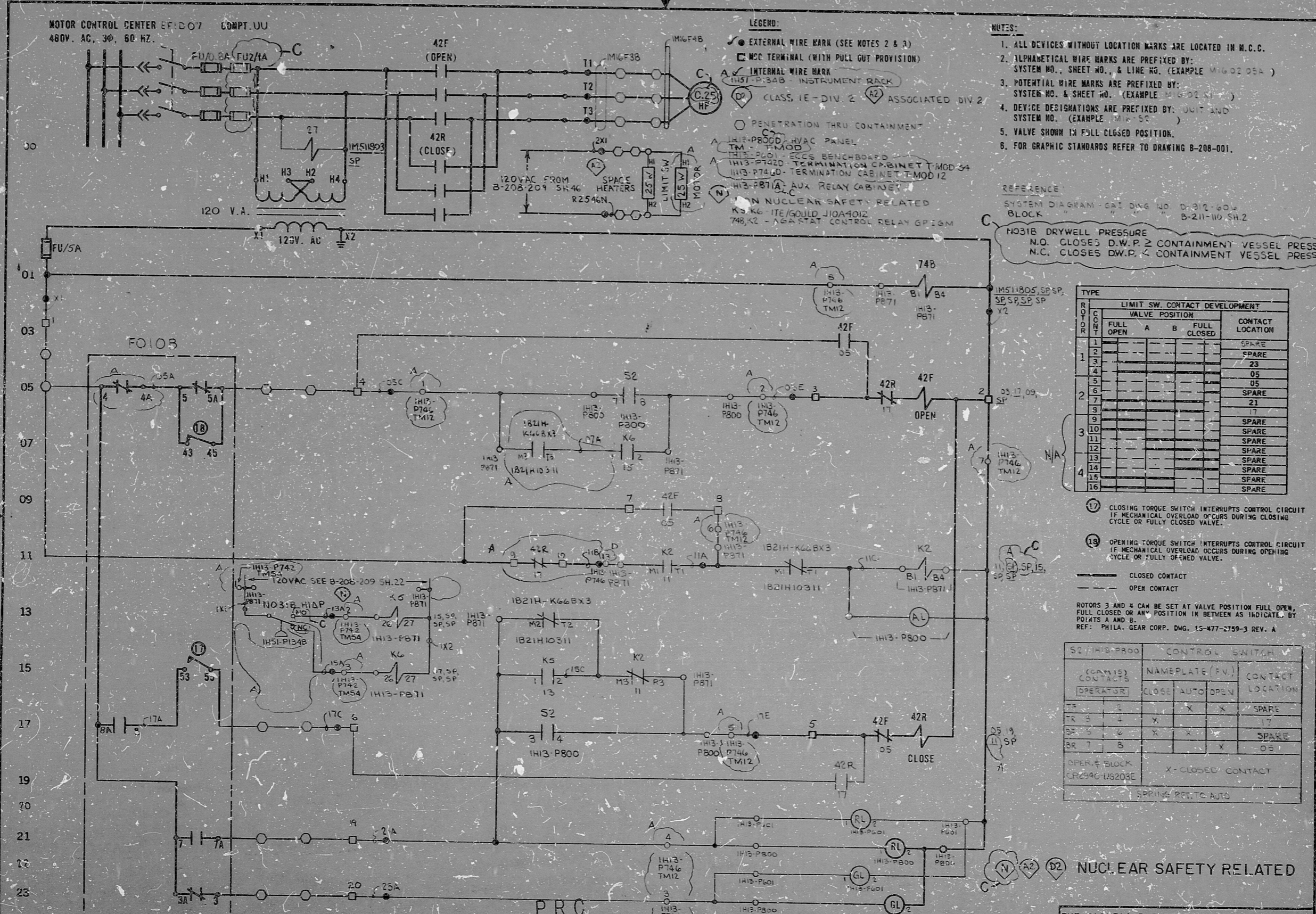


MOTOR CONTROL CENTER EF1D07 COMPT.UU
480V. AC, 3Ø, 60 HZ.



- LEGEND:**
- EXTERNAL WIRE MARK (SEE NOTES 2 & 3)
 - MCC TERMINAL (WITH PULL OUT PROVISION)
 - INTERNAL WIRE MARK
 - CLASS 1E-DIV 2
 - PENETRATION THRU CONTAINMENT
 - IH13-P746 HVAC PANEL
 - IH13-P746 TMS BENCHBOARD
 - IH13-P746 TERMINATION CABINET T-MOD 54
 - IH13-P746 TERMINATION CABINET T-MOD 12
 - IH13-P871A AUX RELAY CABINET
 - IN NUCLEAR SAFETY RELATED
 - K5, K6 ITE/GOULD J10A4012
 - 748, K2 AGASTAT CONTROL RELAY GP1GM

- NOTES:**
- ALL DEVICES WITHOUT LOCATION MARKS ARE LOCATED IN M.C.C.
 - ALPHABETICAL WIRE MARKS ARE PREFIXED BY: SYSTEM NO., SHEET NO., & LINE NO. (EXAMPLE M1602 05A)
 - POTENTIAL WIRE MARKS ARE PREFIXED BY: SYSTEM NO. & SHEET NO. (EXAMPLE M1602 05A)
 - DEVICE DESIGNATIONS ARE PREFIXED BY: UNIT AND SYSTEM NO. (EXAMPLE M16-5C)
 - VALVE SHOWN IN FULL CLOSED POSITION.
 - FOR GRAPHIC STANDARDS REFER TO DRAWING B-208-001.

REFERENCE:
SYSTEM DIAGRAM - CRI DWG NO. D-302-504
BLOCK B-211-10 SH2
N031B DRYWELL PRESSURE
N.O. CLOSES D.W.P. ≥ CONTAINMENT VESSEL PRESS
N.C. CLOSES D.W.P. < CONTAINMENT VESSEL PRESS

ROTOR	LIMIT SW. CONTACT DEVELOPMENT			CONTACT LOCATION
	FULL OPEN	A	B FULL CLOSED	
1				SPARE
2				SPARE
3				23
4				05
5				05
6				05
7				21
8				17
9				SPARE
10				SPARE
11				SPARE
12				SPARE
13				SPARE
14				SPARE
15				SPARE
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 INDICATE, BY POINTS A AND B.
REF: PHILA. GEAR CORP. DWG. 15-477-2759-3 REV. A

CONTACTS	NAMEPLATE (F.V.)	CONTACT LOCATION	
OPERATOR	CLOSE	AUTO OPEN	
TR 3	X	X	SPARE
TR 4	X	X	17
BR 5	X	X	SPARE
BR 7	X	X	05

OPER. & BLOCK CR2946-DS203E
X - CLOSED CONTACT
SPARE: PRTIC AUTO

NUCLEAR SAFETY RELATED

NO31B VALVE LIMIT SWITCH
PRC APERTURE CARD

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	
D	T	M	DEGR	1/15/51	C	LLF	RIM	10/29/79	A	W	NO	DEG	1/15/51	04/549-000	S42	SPO	DEG	1/15/51	04/549-000	04/549-000	S42	SPO	DEG	1/15/51	04/549-000

REV. TERM. INFO & TITLE IDENT. ADDED FU2; CHANGED MOTOR HP; REVISED FITS INFO PER ECN 7245-033-01-92
ADDED FITS INFO AND 44L CHANGED LOCATION ON N031B IH13-P746 & MTR SPACE LTR TO 25W
READING PA. GILBERT ASSOCIATES, INC. ENGINEERS AND CONSULTANTS
CONSTRUCTION PRELIMINARY RELEASED FOR ENGR. DATE 6/30/77
THE CLEVELAND ELECTRIC ILLUMINATING CO. PERRY NUCLEAR POWER PLANT UNIT 1 ELECTRICAL-ELEMENTARY DIAGRAM
DRYWELL VACUUM RELIEF TRAIN 5 VACUUM RELIEF ISOLATION MOV FC103
DRAWING NUMBER SYSTEM SH. NO. REV.

ELEM DIAG M1602 D

RIDS

8212160770

