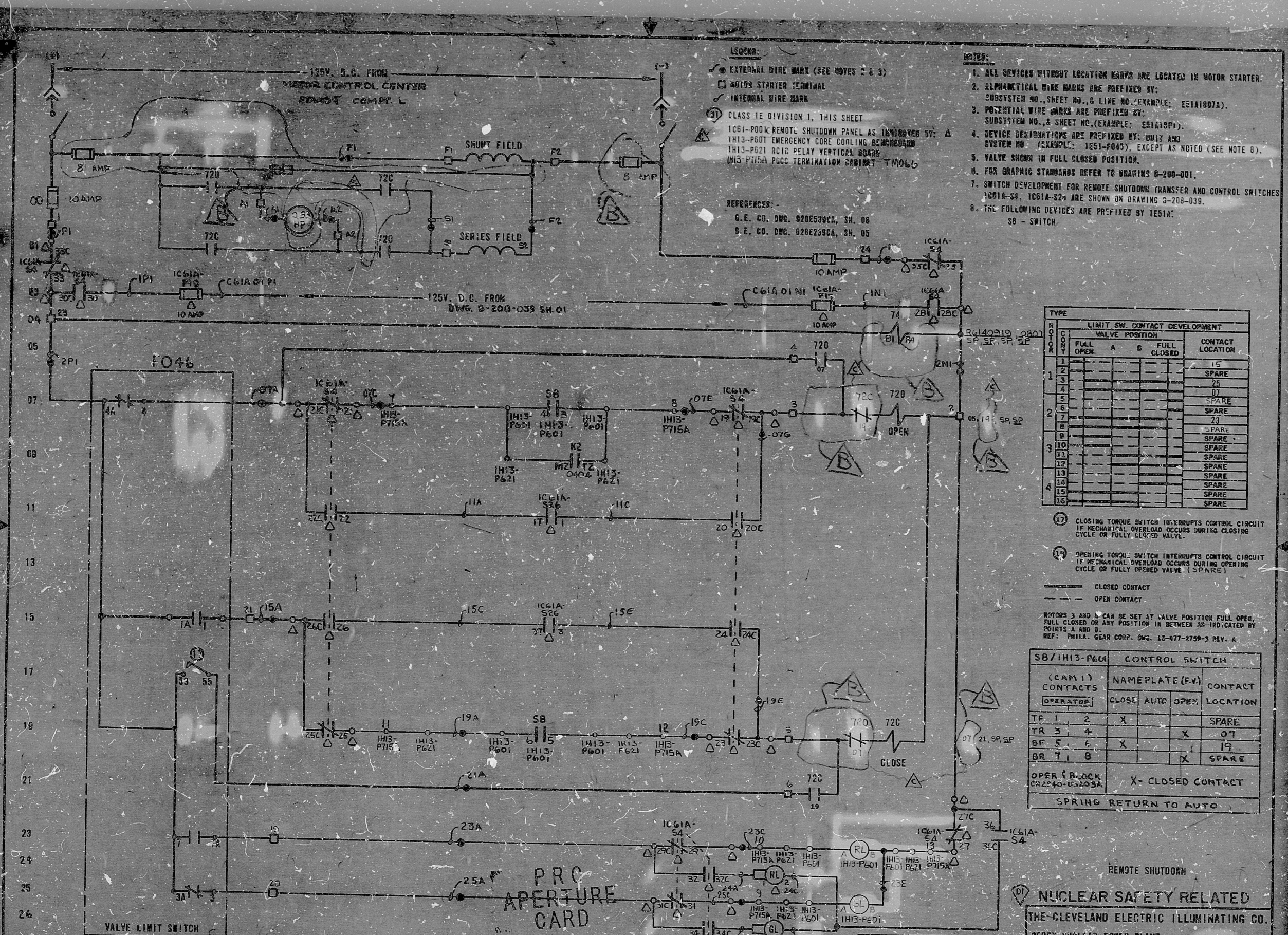


11  
11  
8.5"  
8.5"  
11"  
17"



**LEGEND:**  
 ○ EXTERNAL WIRE MARK (SEE NOTES 2 & 3)  
 □ MOTOR STARTER TERMINAL  
 ▽ INTERNAL WIRE MARK  
 (S) CLASS 1E DIVISION 1, THIS SHEET  
 △ 1061-P00K REMOTE SHUTDOWN PANEL AS INDICATED BY:  
 △ 1H13-P601 EMERGENCY CORE COOLING BENCHBOARD  
 △ 1H13-P021 RCID RELAY VERTICAL BOARD  
 △ 1H13-P715A PCCC TERMINATION CABINET TMO66

**REFERENCES:**  
 G.E. CO. DWG. 820E539CA, 3N, 08  
 G.E. CO. DWG. 826E238CA, 3N, 05

- NOTES:**
1. ALL DEVICES WITHOUT LOCATION MARKS ARE LOCATED IN MOTOR STARTER.
  2. ALPHANUMERICAL WIRE MARKS ARE PREFIXED BY: SUBSYSTEM NO., SHEET NO., & LINE NO. (EXAMPLE: E51A107A).
  3. POTENTIAL WIRE MARKS ARE PREFIXED BY: SUBSYSTEM NO., & SHEET NO. (EXAMPLE: E51A10P1).
  4. DEVICE DESIGNATIONS ARE PREFIXED BY: UNIT AND SYSTEM NO. (EXAMPLE: 1E51-F045), EXCEPT AS NOTED (SEE NOTE 8).
  5. VALVE SHOWN IN FULL CLOSED POSITION.
  6. FOR GRAPHIC STANDARDS REFER TO DRAWINGS 8-200-001.
  7. SWITCH DEVELOPMENT FOR REMOTE SHUTDOWN TRANSFER AND CONTROL SWITCHES 1C61A-S4, 1C61A-S21 ARE SHOWN ON DRAWING 8-208-039.
  8. THE FOLLOWING DEVICES ARE PREFIXED BY 1E51A:  
S8 - SWITCH

NO	TYPE	LIMIT SW. CONTACT DEVELOPMENT		CONTACT LOCATION
		VALVE POSITION	CONTACT LOCATION	
1				15
2				SPARE
3				25
4				07
5				SPARE
6				23
7				SPARE
8				SPARE
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 (SPARE)  
 --- 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: PW11A, GEAR CORP. DWG. 15-477-2759-3 REV. A

S8/1H13-P601		CONTROL SWITCH		CONTACT LOCATION
(CAM 1) CONTACTS		NAMEPLATE (F.V.)		
OPERATOR		CLOSE	AUTO OPEN	
TF 1	2	X		SPARE
TR 3	4		X	07
BF 5	6	X		19
BR 7	8		X	SPARE
OPER 1 BLOCK CR2240-03203A		X - CLOSED CONTACT		
SPRING RETURN TO AUTO				

REMOTE SHUTDOWN  
 (S) NUCLEAR SAFETY RELATED  
 THE CLEVELAND ELECTRIC ILLUMINATING CO.  
 PERRY NUCLEAR POWER PLANT UNIT 3  
 ELECTRICAL-ELEMENTARY DIAGRAM  
 REACTOR CORE ISOLATION COOLING SYSTEM  
 TURBINE LUBE OIL COOLING WATER  
 SUPPLY MOV F046

REVISED MCC F046 COM L PER VENDOR				REVISED STARTER PER VENDOR				ADDED FITS INFORMATION				READING PA				GILBERT ASSOCIATES, INC. ENGINEERS AND CONSULTANTS				DATE										
ADDED REMOTE SHUTDOWN PANEL COMPARTMENT DESIGNATION				CHANGED FUSE & HP SIZE																										
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	REV	MADE	CHKD	APPROVALS	DATE	
C	Y	R	DEG	RAM	5/11/77	B	ICAG	RAM	DEC	RAM	11/26/75	A	RMJ	RAM	DEC	RAM	7/31/77													
ELEM DIAO 1E51-F046																044549-000				RAM S.G.C. DEG TFF 7-28-77				DW 4549 8-208-075 E51 A18						
																WORK ORDER				MADE				CHKD. DR. APP. ENG. APPL. DATE						
																DRAWING NUMBER				SYSTEM NO. REV.										

11  
8.5"  
11"  
8.5"  
11"  
17"



RIDS

82L2160724

