

LEGEND

- C.1 200 MFD.
- C.2 .47 MFD.
- C.3 .47 MFD.
- C.4 5 MFD.
- C.5 .022 MFD.
- C.6 .022 MFD.
- C.7 .02 MFD.

- D4 1 AMP.
- D5 3 AMP.
- D6 3 AMP.
- D7 1 AMP.

- DZ1 27 V
- F.1 4 AMP.
- F.2 10 AMP.

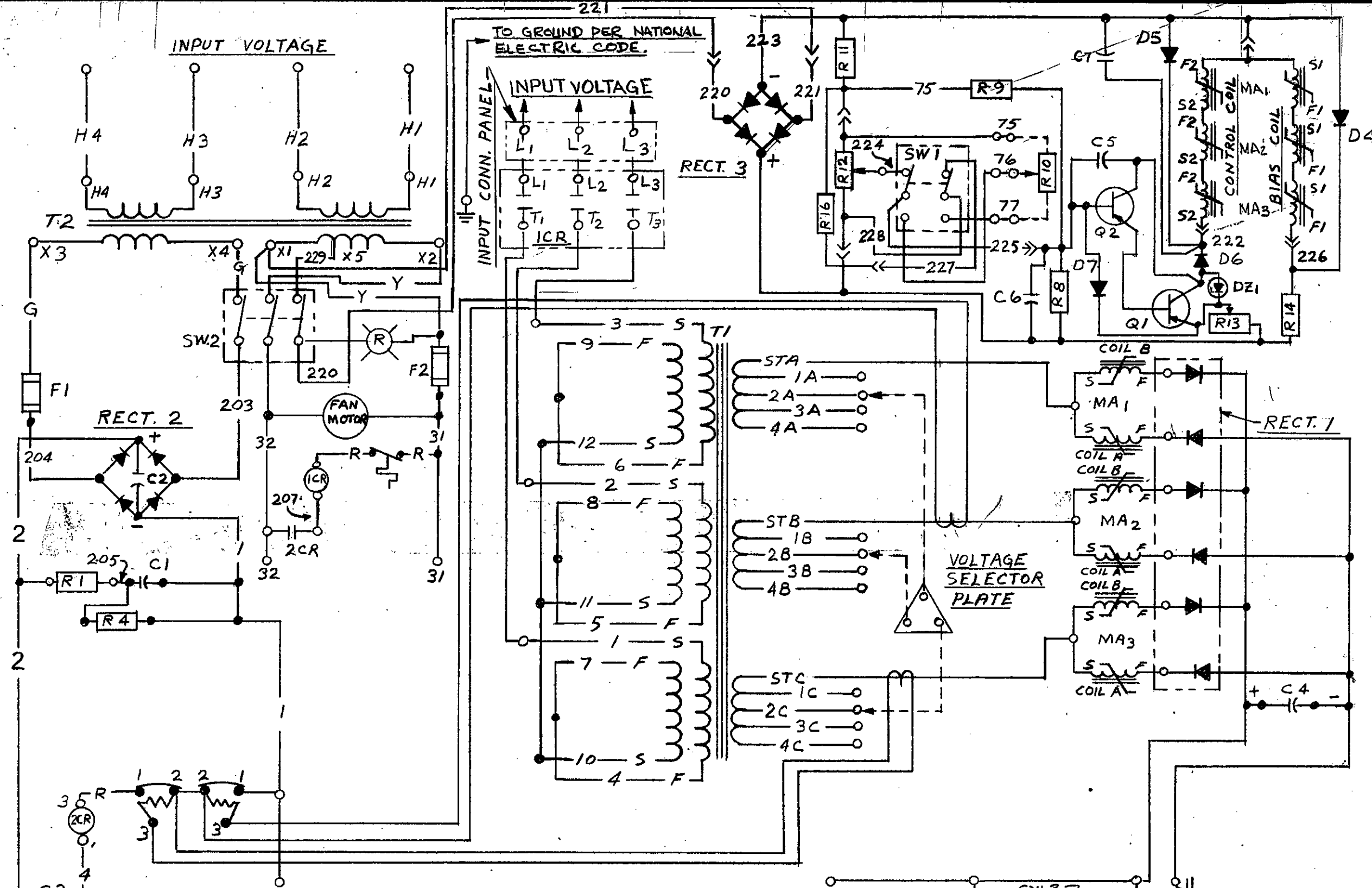
- R.1 3 Ω
- R.4 27 K Ω

- R.8 3.9 K Ω
- R.9 3.0 K Ω
- R.10 10 K Ω
- R.11 1.5 K Ω
- R.12 10K Ω POT
- R.13 3.0 Ω 25W
- R.14 4.8 Ω 10W
- R.16 10 K Ω

- SW.1 VOLTAGE CONTROL SWITCH
- SW.2 POWER ON-OFF SWITCH
- SW.3 CONTROL CIRCUIT SWITCH
- T.1 MAIN TRANSFORMER
- T.2 AUX. TRANSFORMER
- MA.1 } MAG-AMP. TRANSFORMERS
- MA.2 }
- MA.3 }
- ICR. INPUT CONTACTOR
- 2CR. PILOT RELAY

- RECT. 1 MAIN POWER RECT.
- RECT. 2 AUX. POWER RECT.
- RECT. 3 CONTROL CIRCUIT RECT.

- Q1 2N1540
- Q2 2N4125
- L1 CHOKE



SW.1 SHOWN IN MACHINE POSITION.

NOTE SEE WIRING DIAGRAM FOR INPUT CONNECTIONS.

LEAD COLOR CODE  
 G - GREEN  
 Y - YELLOW  
 R - RED

ANSI ELECTRICAL SYMBOLS PER E-1537

UNLESS OTHERWISE SPECIFIED TOLERANCE  
 ON 2 PLACE DECIMALS IS ± .02  
 ON 3 PLACE DECIMALS IS ± .002  
 ON ALL ANGLES IS ± .5 OF A DEGREE.  
 MATERIAL TOLERANCE ("Y") TO AGREE  
 WITH PUBLISHED STANDARDS.

THE LINCOLN ELECTRIC CO.  
 CLEVELAND, OHIO U. S. A.  
 DATE 6-29-73 SCALE

7-27-73	
8-23-74	
12-6-74C	

TYPE R35-800  
 SUBJECT SCHEMATIC DIAGRAM  
 SHEET NO. M-12733