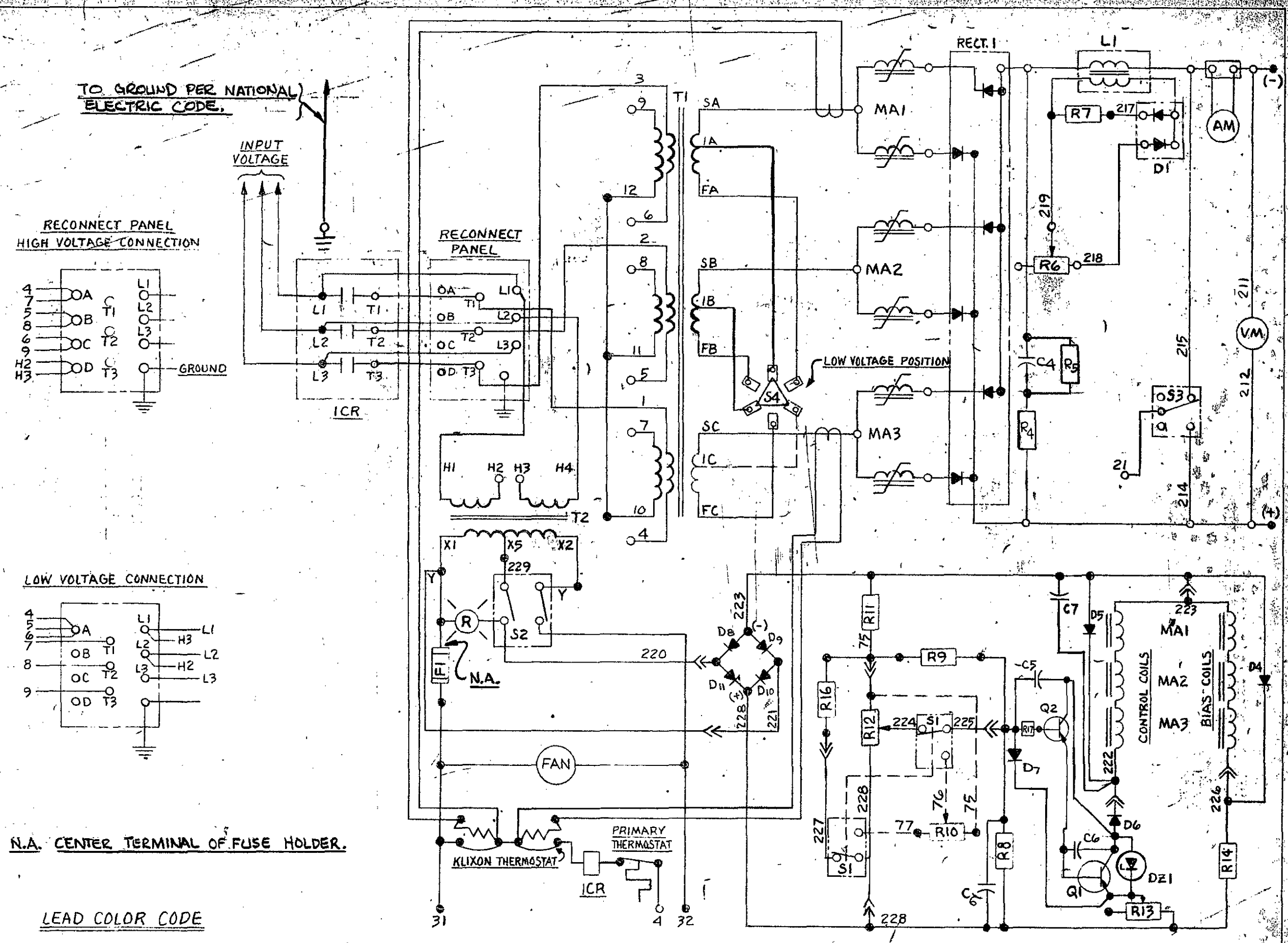


LEGEND

- C4 .1 MFD
- C5 .022 MFD
- C6 .022 MFD
- C7 .02 MFD
- D1 125.9 MAMP
- D4 1 AMP
- D5 3 AMP
- D6 5 AMP
- D7 1 AMP
- D8 3 AMP
- D9 3 AMP
- D10 3 AMP
- D11 3 AMP
- L1 DC OUTPUT FILTER CHOKE
- R4 22Ω
- R5 4.7KΩ
- R6 100Ω
- R7 50Ω
- R8 5.1KΩ
- R9 1.8KΩ
- R10 10KΩ POT
- R11 1.5KΩ
- R12 10KΩ POT
- R13 3.0Ω 25W
- R14 4.8Ω 10W
- R16 10KΩ
- R17 2.2KΩ\*
- T1 MAIN TRANS.
- T2 AUX TRANS.
- MA1 MAG AMP
- MA2 MAG AMP
- MA3 MAG AMP
- S1 VOLTAGE CONTROL SWITCH
- S2 POWER ON-OFF SWITCH
- S3 CONTROL CIRCUIT SWITCH
- S4 OUTPUT VOLTAGE RANGE SWITCH
- ICR INPUT CONTACTOR
- RECT.1 MAIN POWER RECTIFIER
- F1 3 10 AMP CIRCUIT BREAKER
- Q1 2N5879
- Q2 2N5815
- DZ1 27V.

\* NOT ON EARLIER MACHINES

AUSTRALIA 9-74 CANADA 10-76 FRANCE 6-80 ARMO



N.A. CENTER TERMINAL OF FUSE HOLDER.

LEAD COLOR CODE  
Y - YELLOW

8-2-71	6-9-78		
12-6-74E	12-71-78M		
12-13-74H	5-16-80H		
8-27-76G	7-8-80K		
10-1-76E	5-8-81D		

SUBJECT: R3S-250 SCHEMATIC WIRING DIAGRAM  
THE LINCOLN ELECTRIC CO. CLEVELAND, OHIO U.S.A. M-12940

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 ("V") TO AGREE  
WITH PUBLISHED STANDARDS.

THE LINCOLN ELECTRIC CO.  
CLEVELAND, OHIO U.S.A.  
DATE 8-2-74 SCALE 1/2"

TYPE R3S-250  
SUBJECT SCHEMATIC DIAGRAM  
SUP'S/D. DR (M-12919) DR LJP CHK SHEET NO. M-12940