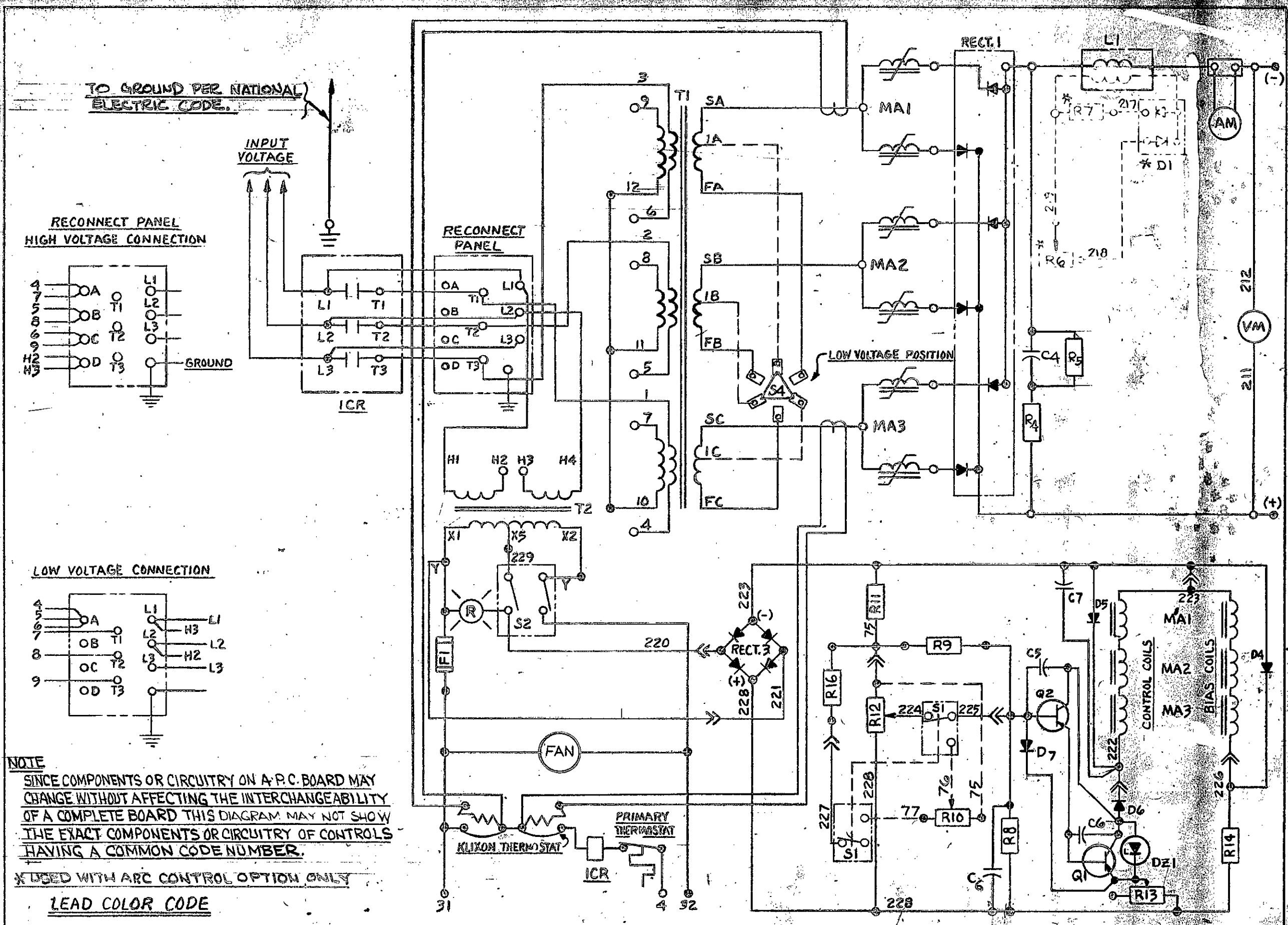


LEGEND

- C4 1 MFD
- C5 .022 MFD
- C6 .022 MFD
- C7 .02 MFD
- *D1 12.5 AMP
- D4 1AMP
- D5 3AMP
- D6 3AMP
- D7 1AMP
- F1 10AMP
- 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
- T1 MAIN TRANS
- T2 AUX TRANS
- MA1 MAG AMP
- MA2 MAG AMP
- MA3 MAG AMP
- S1 VOLTAGE CONTROL SWITCH
- S2 POWER ON-OFF SWITCH
- S4 OUTPUT VOLTAGE RANGE SWITCH
- ICR INPUT CONTACTOR
- RECT.1 MAIN POWER RECTIFIER
- RECT.3 CONTROL CIRCUIT RECTIFIER
- Q1 2N1540
- Q2 2N4125
- DZ1 27V



NOTE
 SINCE COMPONENTS OR CIRCUITRY ON A P.C. BOARD MAY CHANGE WITHOUT AFFECTING THE INTERCHANGEABILITY OF A COMPLETE BOARD THIS DIAGRAM MAY NOT SHOW THE EXACT COMPONENTS OR CIRCUITRY OF CONTROLS HAVING A COMMON CODE NUMBER.

*USED WITH ARC CONTROL OPTION ONLY
LEAD COLOR CODE
 Y - YELLOW

A.N.S.I. ELECTRICAL SYMBOLS PER E-1537

2-13-76				SUBJECT: R3S 300 SCHEMATIC WIRING DIAGRAM
				THE LINCOLN ELECTRIC CO. CLEVELAND, OHIO U.S.A.
				M-13215

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 9-12-75

TYPE R3S-325
 SUBJECT SCHEMATIC DIAGRAM
 SUP'D DRG (M-12919) DR LJP CHK SHEET NO. M-13215