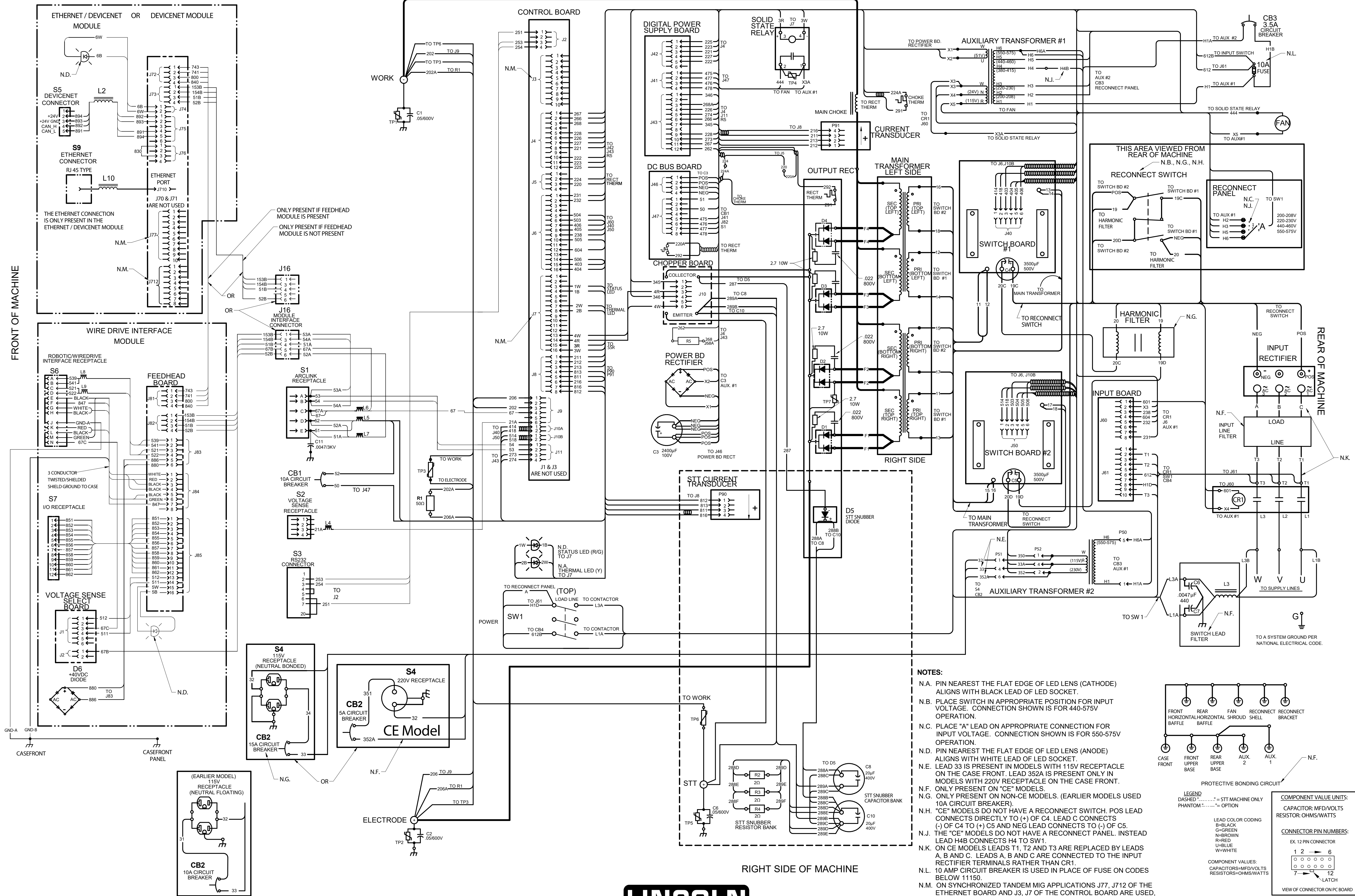


POWER WAVE 455 WIRING DIAGRAM G4420 REV: M

LEFT SIDE OF MACHINE



NOTES:

- N.A. PIN NEAREST THE FLAT EDGE OF LED LENS (CATHODE) ALIGNS WITH BLACK LEAD OF LED SOCKET.
- N.B. PLACE SWITCH IN APPROPRIATE POSITION FOR INPUT VOLTAGE. CONNECTION SHOWN IS FOR 440-575V OPERATION.
- N.C. PLACE "A" LEAD ON APPROPRIATE CONNECTION FOR INPUT VOLTAGE. CONNECTION SHOWN IS FOR 550-575V OPERATION.
- N.D. PIN NEAREST THE FLAT EDGE OF LED LENS (ANODE) ALIGNS WITH WHITE LEAD OF LED SOCKET.
- N.E. LEAD 33 IS PRESENT IN MODELS WITH 115V RECEPTACLE ON THE CASE FRONT. LEAD 352A IS PRESENT ONLY IN MODELS WITH 220V RECEPTACLE ON THE CASE FRONT.
- N.F. ONLY PRESENT ON "CE" MODELS.
- N.G. ONLY PRESENT ON NON-CE MODELS. (EARLIER MODELS USED 10A CIRCUIT BREAKER).
- N.H. "CE" MODELS DO NOT HAVE A RECONNECT SWITCH. POS LEAD CONNECTS DIRECTLY TO (+) OF C4. LEAD C CONNECTS (-) OF C4 TO (+) C5 AND NEG LEAD CONNECTS TO (-) OF C5.
- N.J. THE "CE" MODELS DO NOT HAVE A RECONNECT PANEL. INSTEAD LEAD H4B CONNECTS H4 TO SW1.
- N.K. ON CE MODELS LEADS T1, T2 AND T3 ARE REPLACED BY LEADS A, B AND C. LEADS A, B AND C ARE CONNECTED TO THE INPUT RECTIFIER TERMINALS RATHER THAN CR1.
- N.L. 10 AMP CIRCUIT BREAKER IS USED IN PLACE OF FUSE ON CODES BELOW 1150.
- N.M. ON SYNCHRONIZED TANDEM MIG APPLICATIONS J7, J712 OF THE ETHERNET BOARD AND J3, J7 OF THE CONTROL BOARD ARE USED. SEE S26631 FOR DETAILS.

COMPONENT VALUE UNITS:
CAPACITOR: MFD/VOLTS
RESISTOR: OHMS/WATTS

CONNECTOR PIN NUMBERS:
EX 12 PIN CONNECTOR

LEGEND:
DASHED = ST MACHINE ONLY
PHANTOM = OPTION

LEAD COLOR CODING:
B-BLACK
C-GREEN
N-BROWN
R-RED
U-BLUE
W-WHITE

COMPONENT VALUES:
CAPACITORS=MFD/VOLTS
RESISTORS=OHMS/WATTS

PROTECTIVE BONDING CIRCUIT:
CASE FRONT, FRONT UPPER BASE, REAR UPPER BASE, AUX. 2, AUX. 1, N.F.

VIEW OF CONNECTOR ON PCB BOARD:
1 2 3 4 5 6
7 8 9 10 11 12



CLEVELAND, OHIO, U.S.A.