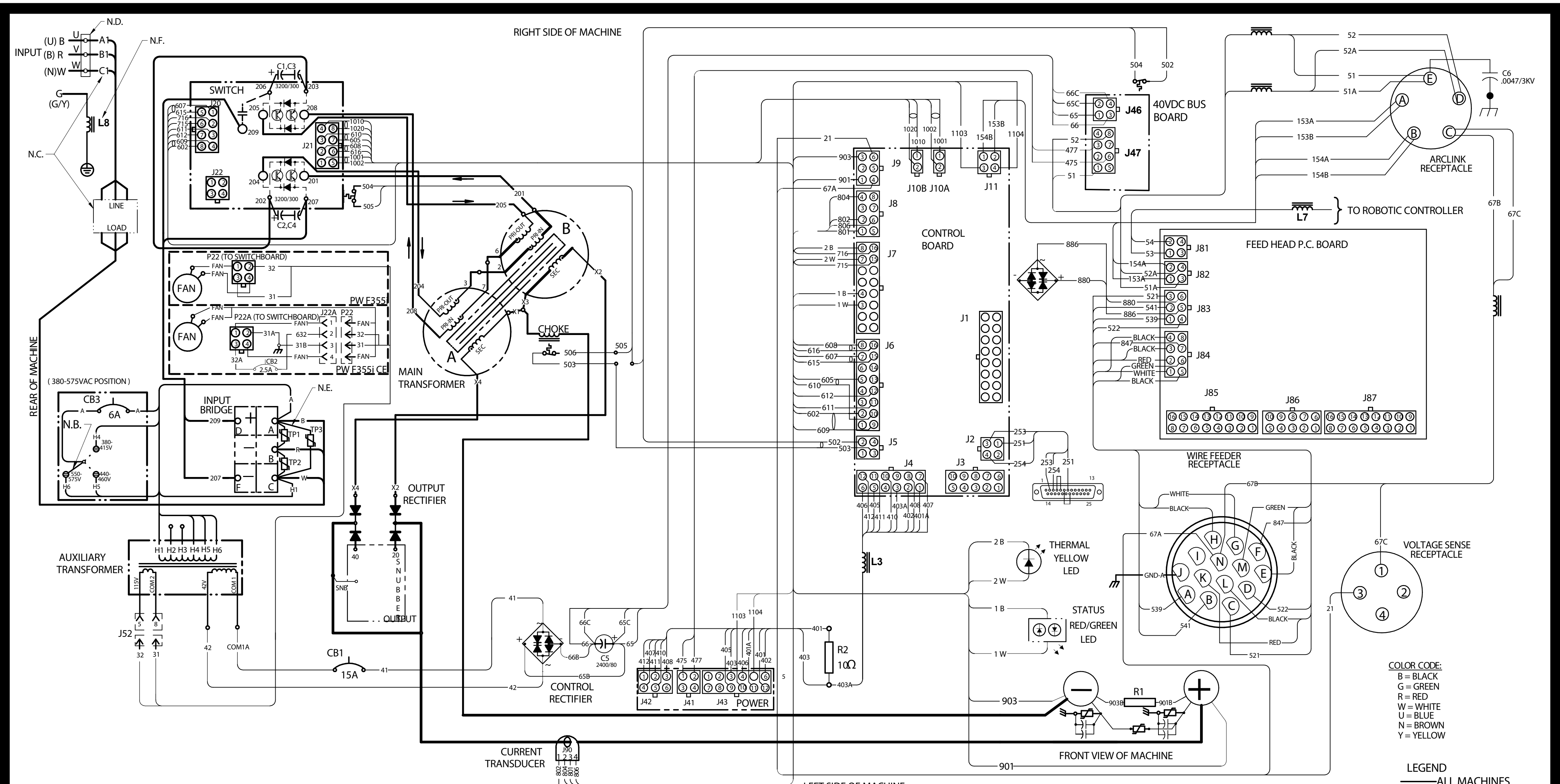


POWER WAVE F355i WIRING DIAGRAM G5375 REV : C



NOTES:

- N.A. SINCE COMPONENTS OR CIRCUITRY OF A PRINTED CIRCUIT BOARD MAY CHANGE WITHOUT AFFECTING THE INTERCHANGEABILITY OF A COMPLETE BOARD THIS DIAGRAM MAY NOT SHOW THE EXACT COMPONENTS OR CIRCUITRY HAVING A COMMON CDE NUMBER.
- N.B. PLACE "A" LEAD ON APPROPRIATE CONNECTION FOR INPUT VOLTAGE. CONNECTION SHOWN IS FOR 550-575V OPERATION. (PW F355i CE HAS 380±15 V CONNECTION)
- N.C. LEADS A1, B1, C1 ARE PART OF THE INPUT POWERLINE FILTER & IT IS PRESENT ONLY ON PW F355i CE.
- N.D. TERMINAL BLOCK PRESENT ONLY ON PW F355i CE.
- N.E. ON PW F355i CE, MOV'S ARE IN THE INPUT POWERLINE FILTER.
- N.F. TOROID ON GROUND LEAD PRESENT ONLY ON PW F355i CE.

REAR OF MACHINE (380-575VAC POSITION)

INPUT BRIDGE

AUXILIARY TRANSFORMER

REAR OF MACHINE

RIGHT SIDE OF MACHINE

MAIN TRANSFORMER

CONTROL BOARD

40VDC BUS BOARD

FEED HEAD P.C. BOARD

WIRE FEEDER RECEPTACLE

FRONT VIEW OF MACHINE

LEFT SIDE OF MACHINE

CONTROL RECTIFIER

OUTPUT RECTIFIER

CURRENT TRANSDUCER

ARCLINK RECEPTACLE

VOLTAGE SENSE RECEPTACLE

LEGEND

— ALL MACHINES

- - - OPTION

--- COMPONENT OUTLINE

COLOR CODE:

B = BLACK

G = GREEN

R = RED

W = WHITE

U = BLUE

N = BROWN

Y = YELLOW

CONNECTOR CAVITY NUMBERING SEQUENCE (VIEWED FROM COMPONENT SIDE OF BOARD)

TOP CENTER PANEL

FAN SHROUD

CASE FRONT

BASE

PROTECTIVE BONDING CIRCUIT

J1, J6, J7, J85, J87

J52, J86

J2, J5, J11, J22, J41, J46, J81, J82

J9, J42, J83

J8, J20, J21, J47, J84

J4, J43

J10A, J10B

LINCOLN ELECTRIC

CLEVELAND, OHIO U.S.A.

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