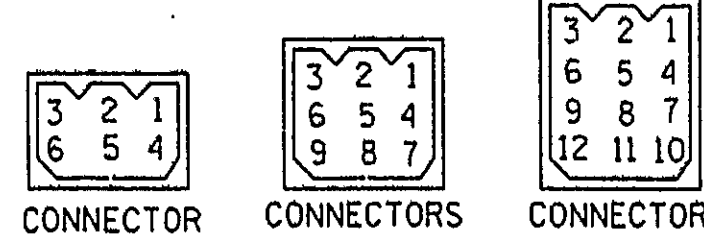


GENERAL INFORMATION

ELECTRICAL SYMBOLS PER E1537

CAPACITORS = MFD/VOLTS DC
RESISTORS = OHMS, 1/2 WATT (UNLESS OTHERWISE SPECIFIED)
DIODES = 1 AMP/ 400 VOLTS (UNLESS OTHERWISE SPECIFIED)

▽ = COMMON CONNECTION



(AS VIEWED FROM COMPONENT SIDE OF P.C. BOARD)

LEAD COLOR CODE

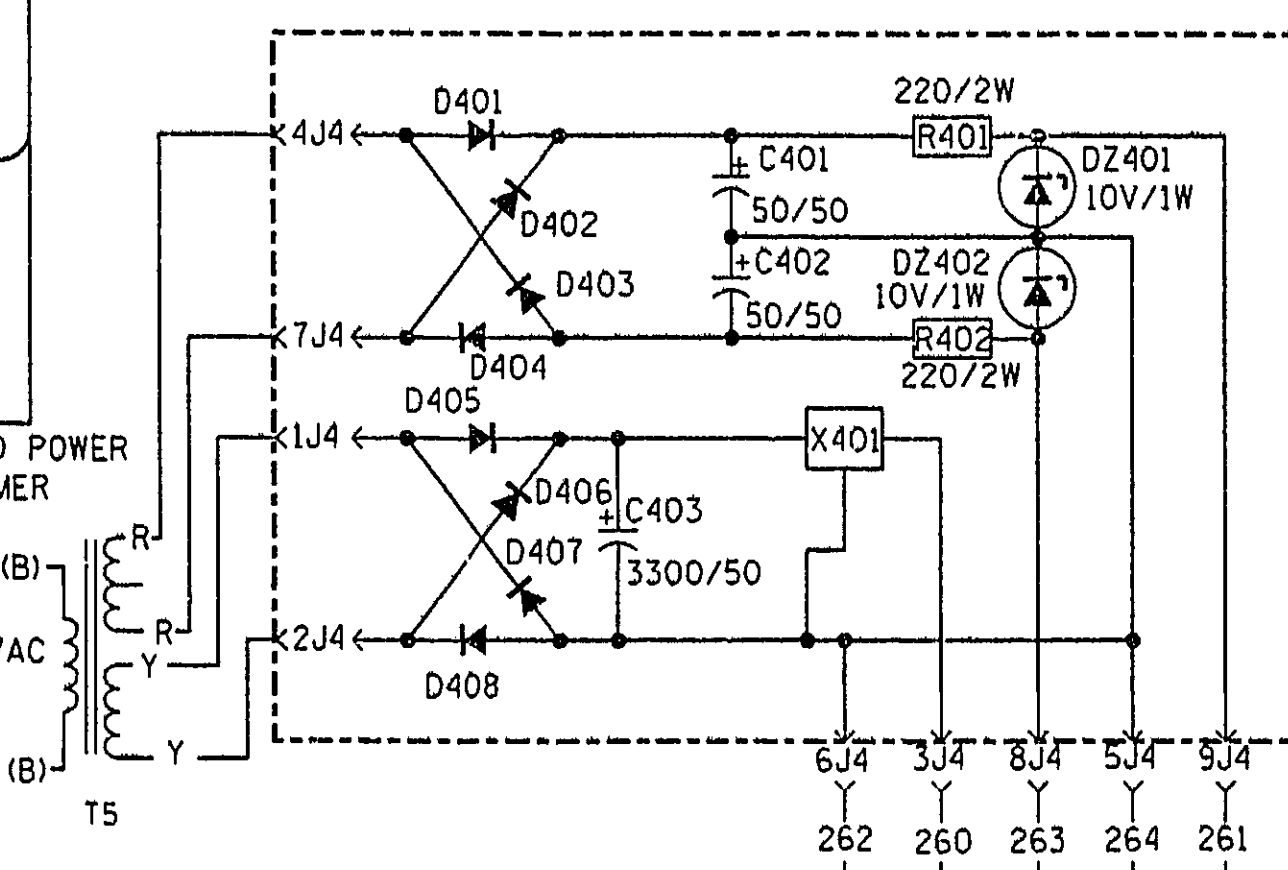
R = RED
Y = YELLOW
B = BLACK

PREFLOW / AFTERFLOW / ARC SENSE P.C. BOARD

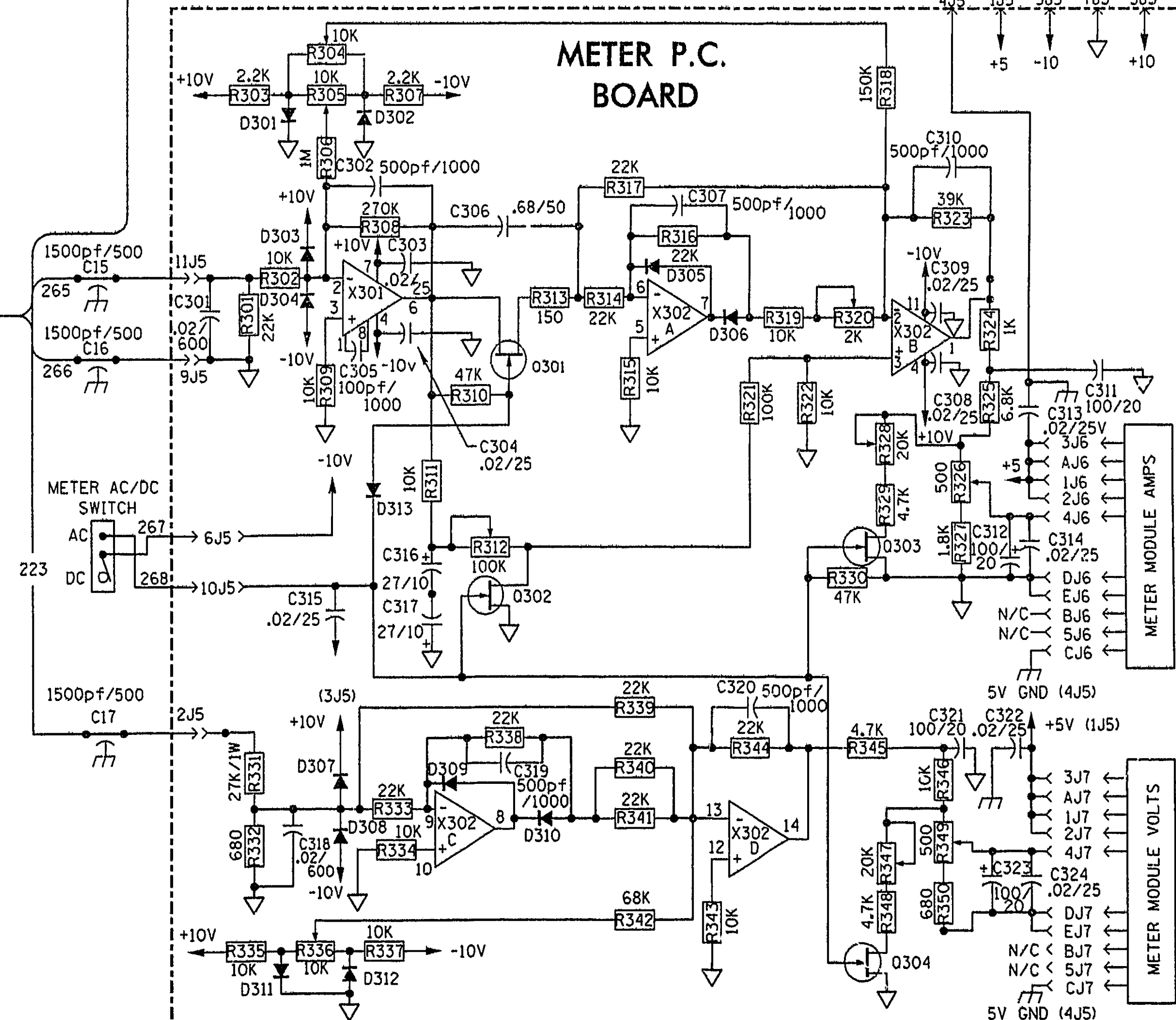
OUTPUT CURRENT CONTROL

SINCE COMPONENTS OR CIRCUITRY ON A PRINTED CIRCUIT 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.

METER POWER P.C. BOARD



METER P.C. BOARD



POLARITY SWITCH

WELD MODE SWITCH

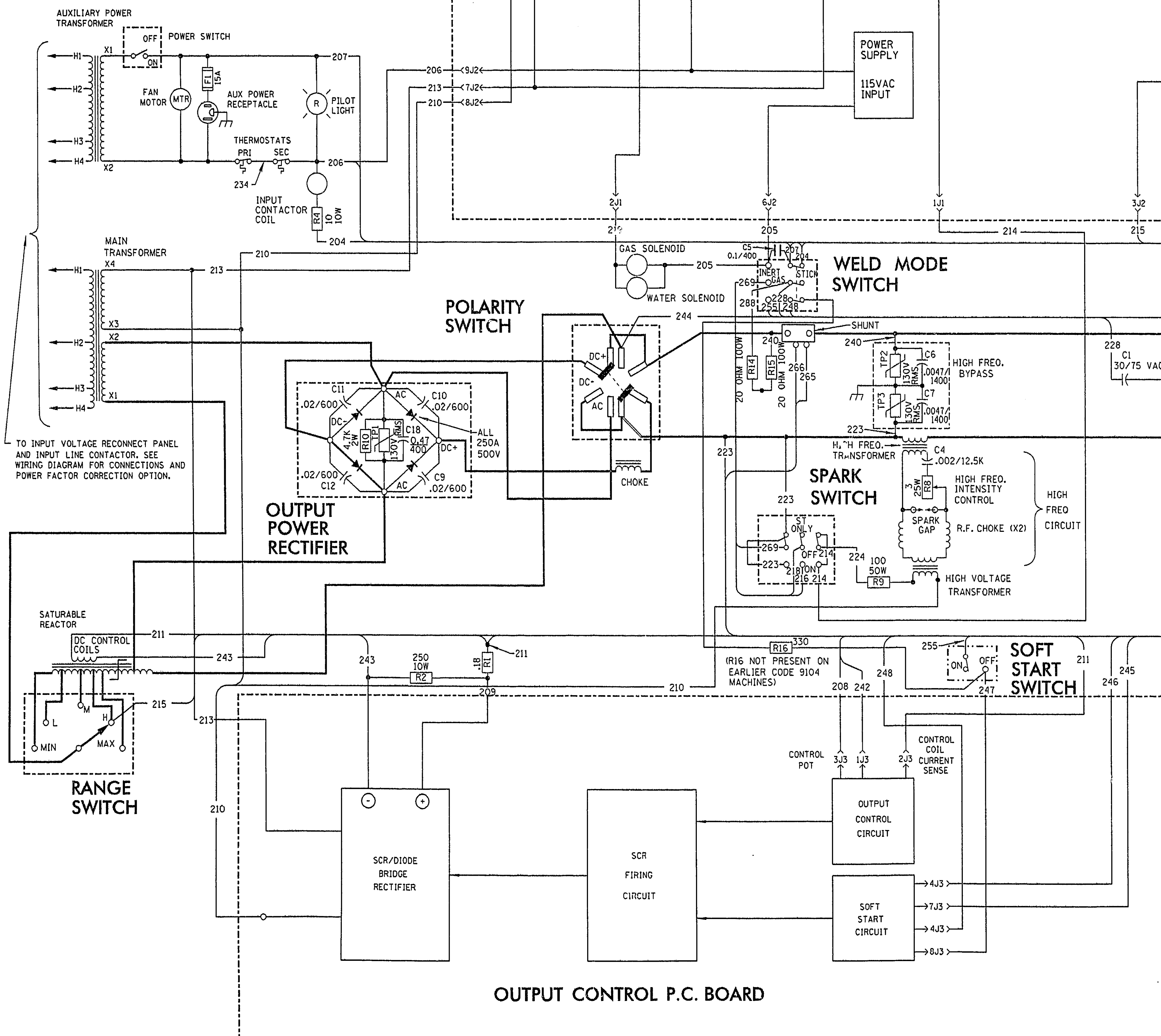
SPARK SWITCH

SOFT START SWITCH

OUTPUT CONTROL P.C. BOARD

OUTPUT POWER RECTIFIER

RANGE SWITCH



THIS SHEET CONTAINS PROPRIETARY INFORMATION OWNED BY THE LINCOLN ELECTRIC CO. AND IS NOT TO BE REPRODUCED, DISCLOSED OR USED WITHOUT THE EXPRESS PERMISSION OF THE LINCOLN ELECTRIC CO.

UNLESS OTHERWISE SPECIFIED TOLERANCE ON HOLE SIZES PER E1537 ON 1 PLACE DECIMALS IS .003 ON 2 PLACE DECIMALS IS .0005 ON 3 PLACE DECIMALS IS .0001 ON ALL ANGLES IS .3 OF A DEGREE MATERIAL TOLERANCE FINISH TO AGREE WITH PUBLISHED STANDARDS.

DATE 1-8-92 CHK BY

THE LINCOLN ELECTRIC CO. CLEVELAND, OHIO U.S.A. SCALE: NONE

EQUIP. TYPE TIG 300/300 SCHEMATIC SH. NO. G1728