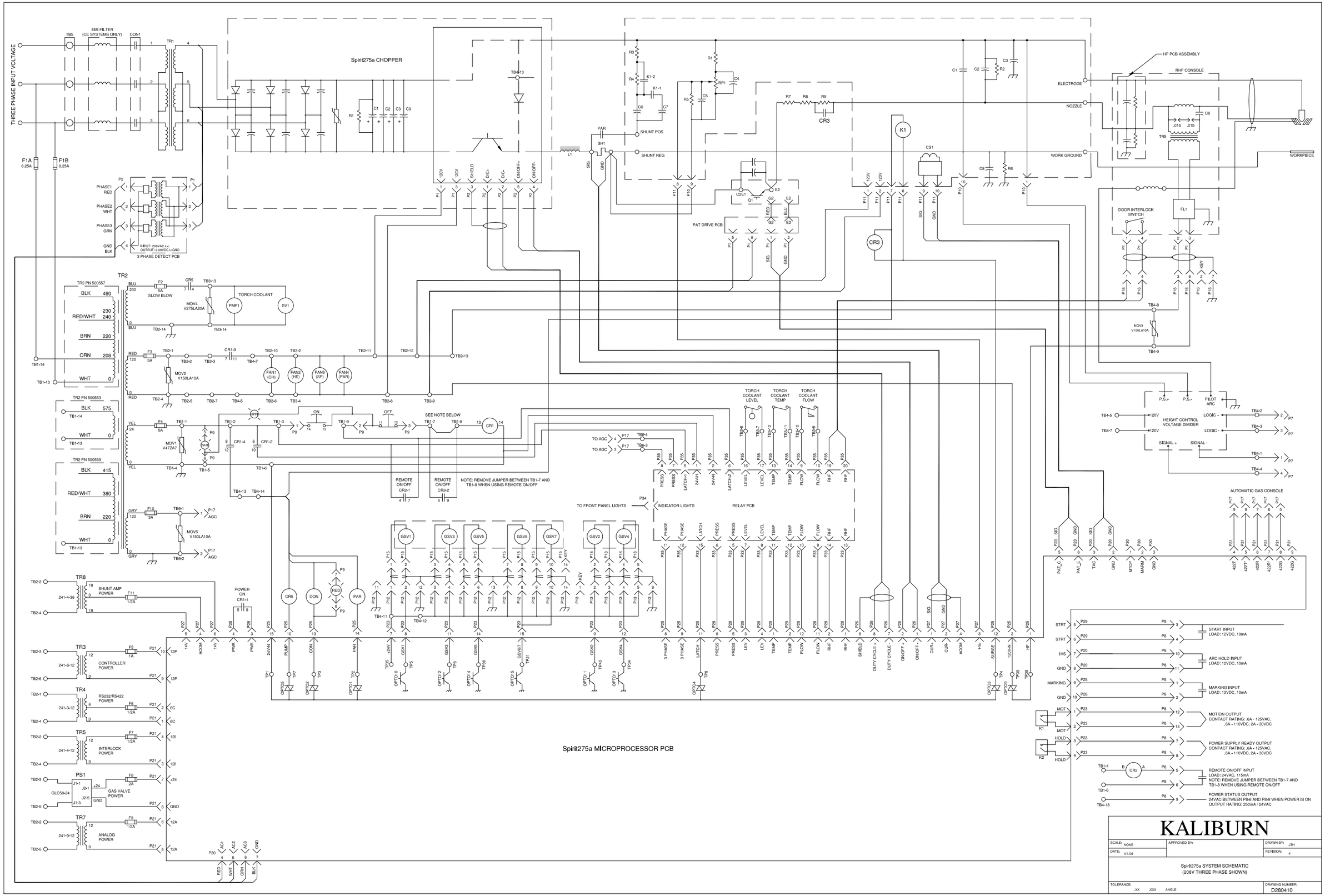
THREE PHASE INPUT VOLTAGE
EMI FILTER (CE SYSTEMS ONLY)
Spirit275a CHOPPER
HF PCB ASSEMBLY
RHF CONSOLE
ELECTRODE
NOZZLE
WORK GROUND
WORKPIECE
SHUNT POS
SHUNT NEG
PAT DRIVE PCB
3 PHASE DETECT PCB
DOOR INTERLOCK SWITCH
TORCH COOLANT
HEIGHT CONTROL VOLTAGE DIVIDER
AUTOMATIC GAS CONSOLE
TO FRONT PANEL LIGHTS
INDICATOR LIGHTS
RELAY PCB
NOTE: REMOVE JUMPER BETWEEN TB1-7 AND TB1-8 WHEN USING REMOTE ON/OFF
START INPUT LOAD: 12VDC, 10mA
ARC HOLD INPUT LOAD: 12VDC, 10mA
MARKING INPUT LOAD: 12VDC, 10mA
MOTION OUTPUT CONTACT RATING: .6A - 125VAC, .6A - 110VDC, 2A - 30VDC
POWER SUPPLY READY OUTPUT CONTACT RATING: .6A - 125VAC, .6A - 110VDC, 2A - 30VDC
REMOTE ON/OFF INPUT LOAD: 24VAC, 115mA NOTE: REMOVE JUMPER BETWEEN TB1-7 AND TB1-8 WHEN USING REMOTE ON/OFF
POWER STATUS OUTPUT 24VAC BETWEEN P8-6 AND P8-9 WHEN POWER IS ON OUTPUT RATING: 250mA / 24VAC
Spirit275a MICROPROCESSOR PCB
TR8 SHUNT AMP POWER
TR3 CONTROLLER POWER
TR4 RS232/RS422 POWER
TR5 INTERLOCK POWER
PS1 GLC50-24 GAS VALVE POWER
TR7 ANALOG POWER
KALIBURN
SCALE: NONE
DATE: 4/1/08
APPROVED BY:
DRAWN BY: JTH
REVISION: 4
Spirit275a SYSTEM SCHEMATIC (208V THREE PHASE SHOWN)
TOLERANCE: .XX .XXX ANGLE
DRAWING NUMBER: D280410