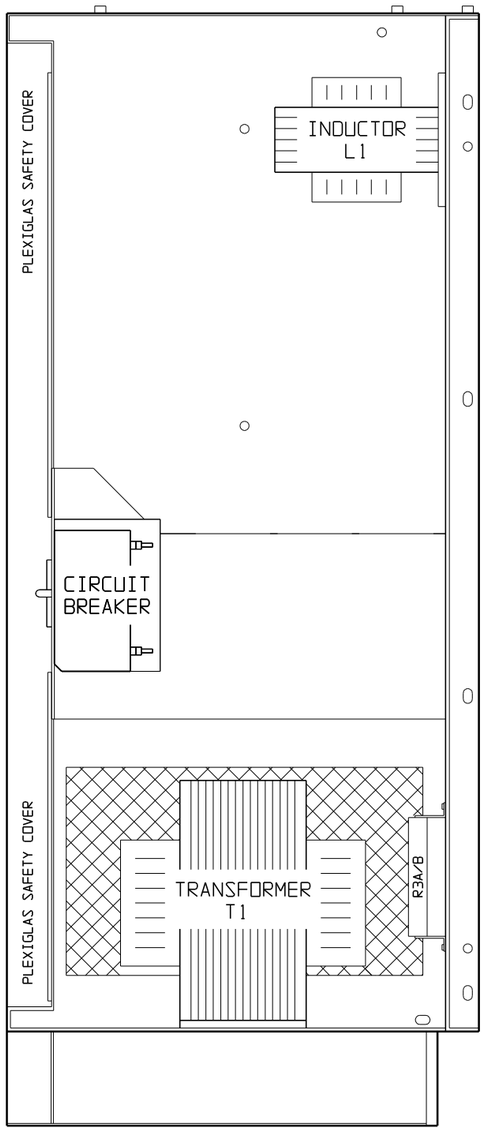
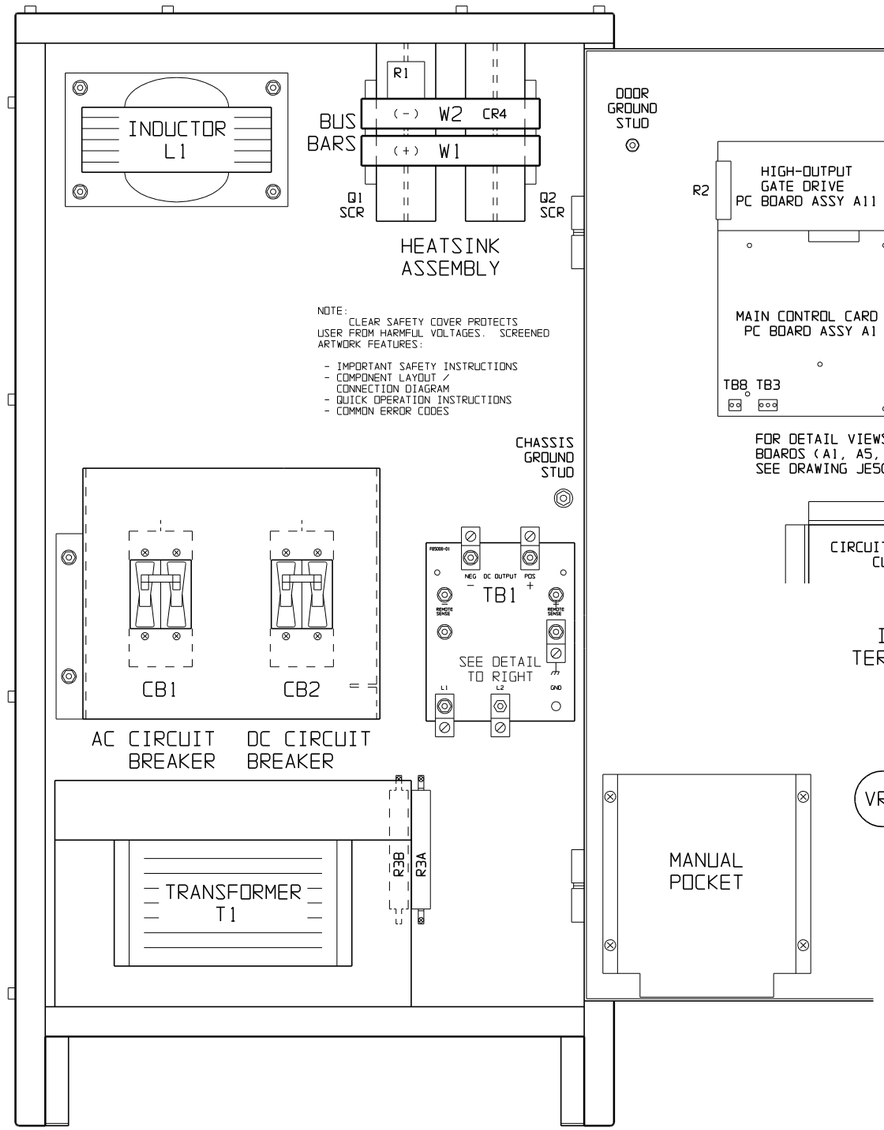
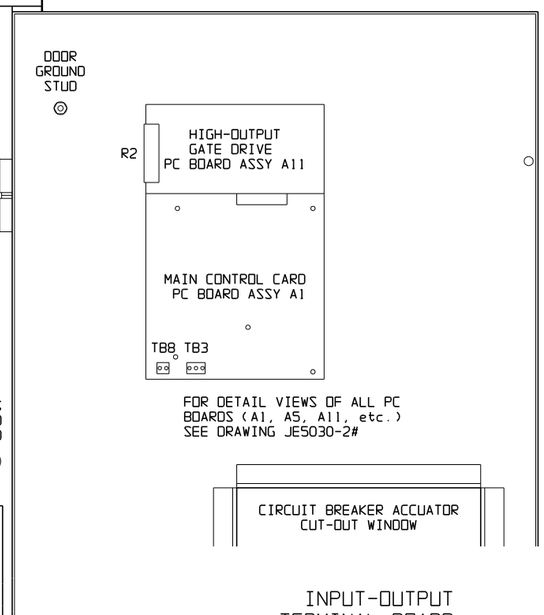




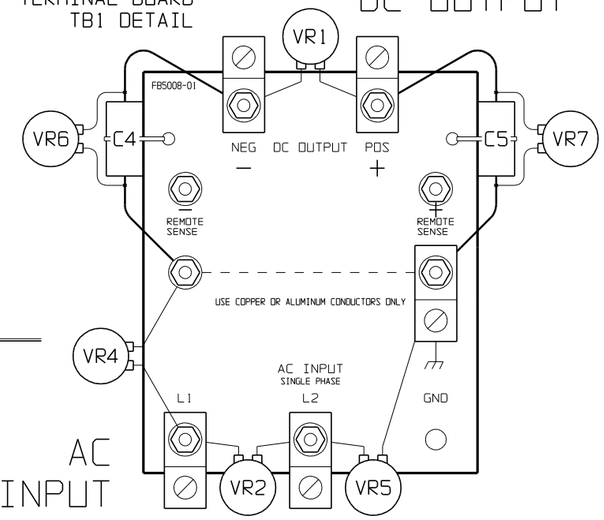
NOTE:
CLEAR SAFETY COVER PROTECTS USER FROM HARMFUL VOLTAGES. SCREENED ARTWORK FEATURES:

- IMPORTANT SAFETY INSTRUCTIONS
- COMPONENT LAYOUT / CONNECTION DIAGRAM
- QUICK OPERATION INSTRUCTIONS
- COMMON ERROR CODES



FOR DETAIL VIEWS OF ALL PC BOARDS (A1, A5, A11, etc.) SEE DRAWING JE5030-2#

INPUT-OUTPUT TERMINAL BOARD TB1 DETAIL



SYM	STANDARD COMPONENT DESCRIPTION
A1	MAIN CONTROL PC BOARD
A11	HIGH-OUT GATE DRIVER PC BOARD
C4	EMI OUTPUT FILTER CAP (NEG)
C5	EMI OUTPUT FILTER CAP (POS)
CB1	AC INPUT CIRCUIT BREAKER
CB2	DC OUTPUT CIRCUIT BREAKER
CR4	FREE-WHEELING DIODE
L1	MAIN INDUCTOR
Q1	SILICON-CONTROLLED RECTIFIER
Q2	SILICON-CONTROLLED RECTIFIER
R1	MAIN DC SHUNT
R2	RATING RESISTOR
R3x	EXT BALLAST RESISTOR (130VDC)
T1	POWER TRANSFORMER
TB1	I/O TERMINAL BOARD
TB3	SUMMARY ALARM CONTACTS
TB8	TEMPCO PROBE TERMINAL BLOCK
VR1	OUTPUT SURGE SUPPRESSOR
VR2	INPUT SURGE SUPPRESSOR
VR4	INPUT SURGE SUPPRESSOR
VR5	INPUT SURGE SUPPRESSOR
VR6	OUTPUT SURGE SUPPRESSOR
VR7	OUTPUT SURGE SUPPRESSOR
W1	COPPER BUS BAR (POS LEG)
W2	COPPER BUS BAR (NEG LEG)

SYM	OPTIONAL COMPONENT DESCRIPTION

I/O TERMINAL	DESCRIPTION - TYPE	CONNECTION
TB1(+/-)	POS/NEG OUTPUT TERMINALS - CU-ALUMINUM COMPRESSION LUG	#14-1/0 AWG
REM SENSE(+/-)	POS/NEG REMOTE SENSE TERMINALS - 1/4-20 SCREW HARDWARE	1/4in RING LUG
TB1-GND	GROUND TERMINAL - CU-ALUMINUM COMPRESSION LUG	#14-1/0 AWG
TB1-L1/L2	AC INPUT TERMINALS - CU-ALUMINUM COMPRESSION LUG	#14-1/0 AWG
TB3	SUMMARY ALARM TERMINAL BLOCK - SOLDERLESS COMPRESSION	#22-14 AWG
TB8	TEMPCO PROBE (A10) INTERCONNECTION TERMINAL BLOCK	#22-14 AWG

REV	ECN No	DATE	APP
1	E2140	091205	
0	E1154	022703	

THIRD ANGLE PROJECTION

DRAWN BY MCR 022703

APPROVED 022803

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

TITLE AT10.1 SERIES BATTERY CHARGER (STANDARD) INTERNAL COMPONENT LAYOUT: STYLE-5018

DRAWING No JE5029-00 REV 1 B

SCALE NTS PART No JE5029-00 SHEET 1 OF 1

FILENAME [JE5029-00.PRT]