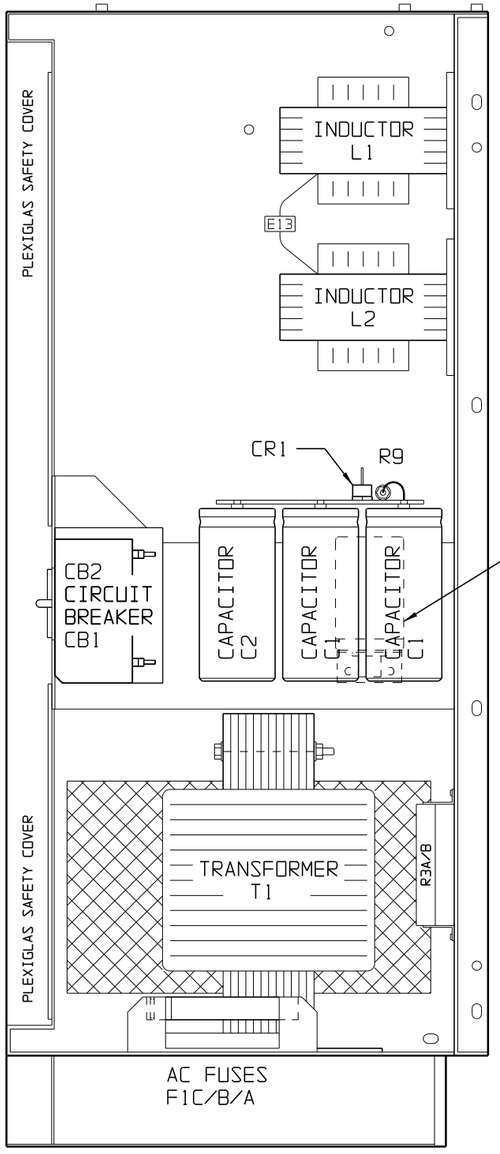
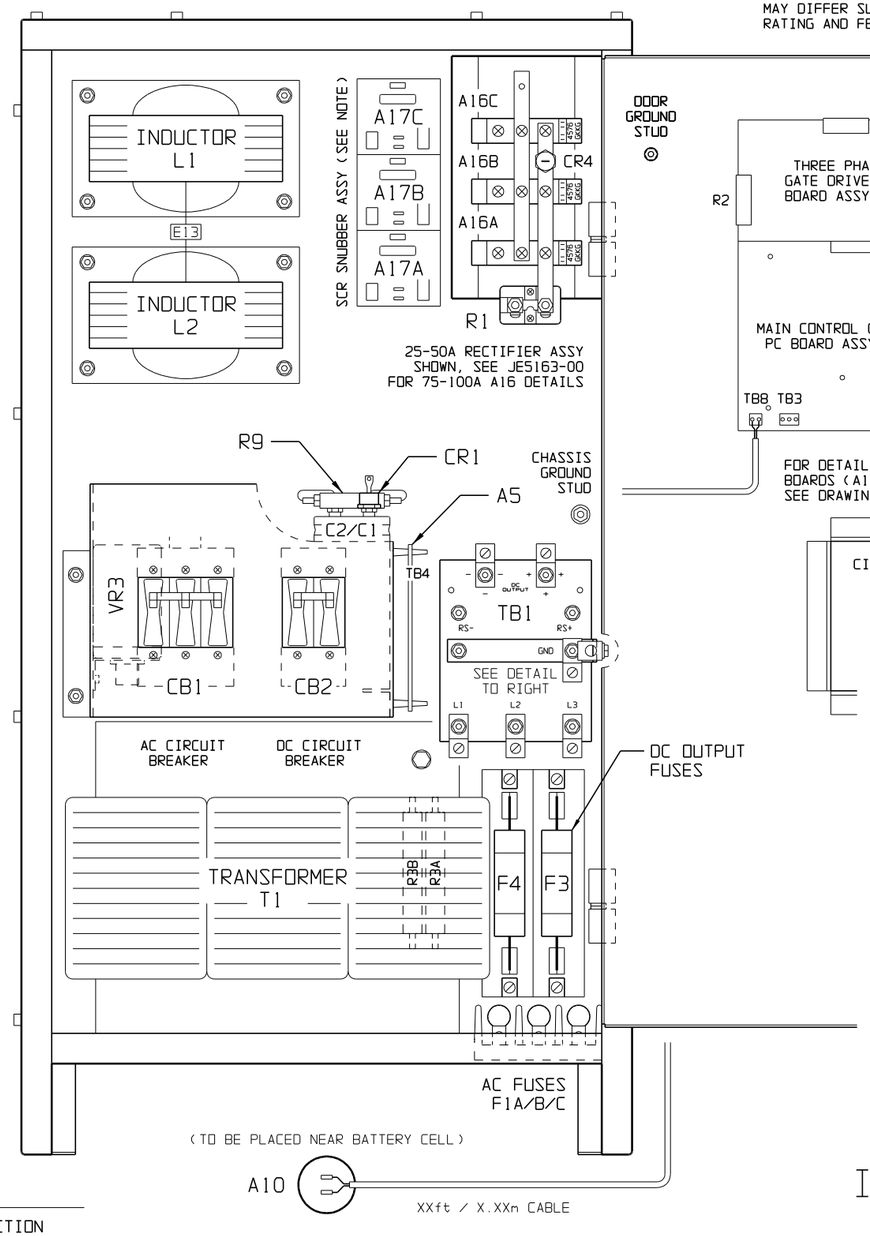
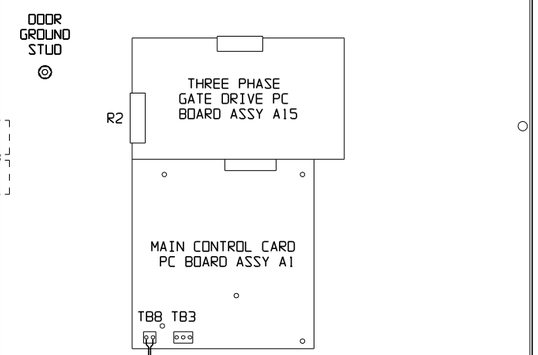




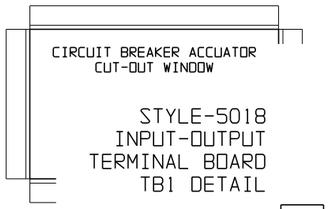
STANDARD DRAWING NOTES:

A) ARRANGEMENT AND NUMBER OF COMPONENTS MAY DIFFER SLIGHTLY BASED UPON UNIT RATING AND FEATURED OPTIONS.

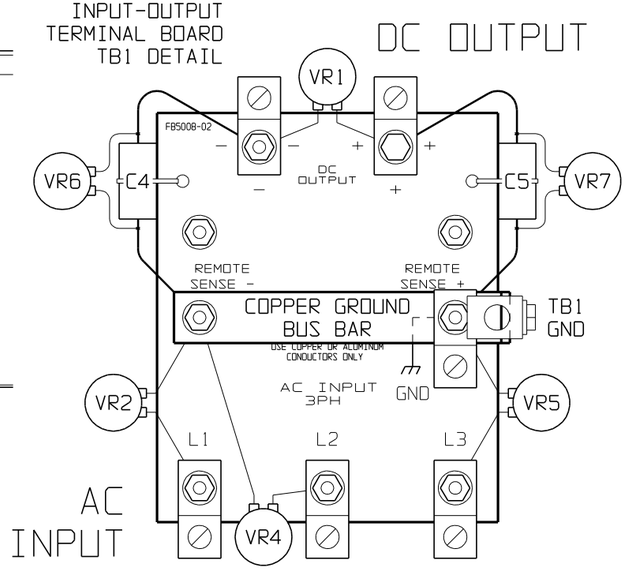


SYM	STANDARD COMPONENT DESCRIPTION
A1	MAIN CONTROL PC BOARD
A15	THREE PHASE GATE DRIVE PC BOARD
A16	3PH SCR MODULE ASSY (1x6 Q1-Q6)
A17x	SCR SNUBBER PC BOARD - QTY. (3)
C4	EMI OUTPUT FILTER CAP (NEG-GND)
C5	EMI OUTPUT FILTER CAP (POS-GND)
CB1	AC INPUT CIRCUIT BREAKER (CD3)
CB2	DC OUTPUT CIRCUIT BREAKER (CD2)
CR4	FREE-WHEELING DIODE
L1	MAIN INDUCTOR
R1	MAIN DC SHUNT
R2	CURRENT RATING RESISTOR
R3x	EXT BALLAST RES (130VDC)
T1	POWER ISOLATION TRANSFORMER
TB1	I/O TERMINAL BOARD
TB3	SUMMARY ALARM CONTACTS
TB8	TEMPCO PROBE TERMINAL BLOCK
VR1	OUTPUT SURGE SUPPRESSOR (+TO-)
VR2	INPUT SURGE SUPPRESSOR (LINE 1)
VR4	INPUT SURGE SUPPRESSOR (LINE 2)
VR5	INPUT SURGE SUPPRESSOR (LINE 3)
VR6	OUTPUT SURGE SUPPRESSOR (-)
VR7	OUTPUT SURGE SUPPRESSOR (+)

SYM	OPTIONAL COMPONENT DESCRIPTION
A5	AUXILIARY ALARM RELAY PC BOARD
A10	TEMPERATURE COMPENSATION PROBE
C1	DC OUTPUT FILTER CAPACITOR
C2	BATTERY ELIMINATOR CAPACITOR
CR1	POLARITY DIODE
E13	INDUCTOR INTER-CONNECT POINT
F1A-C	AC INPUT FUSES
F3	DC OUTPUT FUSE (+ LEG)
F4	DC OUTPUT FUSE (- LEG)
L2	FILTER INDUCTOR
R9	FILTER CAP (C1) BLEED RESISTOR
TB4	AUXILIARY ALARM RELAY CONTACTS
VR3	AC INPUT LIGHTNING ARRESOR



STYLE-5018 INPUT-OUTPUT TERMINAL BOARD TB1 DETAIL



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 ZPS STUDS	1/4in RING LUG
(2) TB1-GND	GROUND TERMINAL - CU-ALUMINUM COMPRESSION LUG	#14-1/0 AWG
TB1-L1/L2/L3	AC INPUT TERMINALS - CU-ALUMINUM COMPRESSION LUG	#14-1/0 AWG
TB3	SUMMARY ALARM TERMINAL BLOCK - SOLDERLESS COMPRESSION	#22-14 AWG
TB4	AUXILIARY ALARM TERM BLOCK - SOLDERLESS COMPRESSION	#22-14 AWG
TB8	TEMPCO PROBE (A10) INTERCONNECTION TERMINAL BLOCK	#22-14 AWG

REV	ECN No	DATE
1	21121	050108
0	20537	020607

THIRD ANGLE PROJECTION

DRAWN BY MCR 020607

ELECTRONIC APPROVAL SIGNATURES MAINTAINED BY MFG ECN LOG

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

TITLE AT30 SERIES BATTERY CHARGER (OPTIONAL) INTERNAL COMPONENT LAYOUT: STYLE-5018

DRAWING No JE5088-99 REV 1 B

SCALE NTS PART No JE5088-99 SHEET 1 OF 1

FILENAME [JE5088-99.PRT]