

No.	DRAWING No.	REV	SHT	DRAWING TITLE
1	JE5035-50	9	1	UMC DRAWING LIST / DATA NAMEPLATE (THIS SHEET)
2	JE5036-50	9	1	UMC OUTLINE: NEMA-1 STYLE-5018 ENCL W/HAND TRUCK
3	JE5037-50	9	1	UMC INTERNAL COMPONENT LAYOUT: STYLE-5018
4	JE5038-50	9	1	UNIVERSAL MAINTENANCE CHGR INSTRUMENT PANEL DETAIL
5	JE5039-50	9	1	UMC SCHEMATIC: BB0443-01 (10-50 ADC)
6	JE5040-50	9	1	UMC CONNECTION DIAGRAM: BB0443-01 (10-50 ADC)

MAINTENANCE BATTERY CHARGER

MODEL No. BB0443-01
SERIAL No. CUST. PO#/MFG. SALES#

INPUT		OUTPUT	
AC VOLTS	120/208/240/480	DC VOLTS	24/48/130
MAX. AC AMPERES	**/62/54/27	DC AMPERES	10-50
HERTZ	60	PHASE	1
		RIPPLE mV rms	200 W/O BATT
BATTERY TYPE		No. OF CELLS	N/A

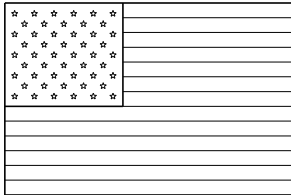
** - 55Aac (120 Vac INPUT REQUIRES
OUTPUT REDUCED TO 50% OR LESS)

MADE IN USA

NAMEPLATE NOTES:

- 1) FEATURED SERIAL NUMBER REPRESENTS ONE UNIT. MULTIPLE UNITS WILL BE NUMBER-SEQUENCED (e.g. -1,-2,-3, etc.).
- 2) UNIVERSAL MAINTENANCE CHARGER DESIGNED FOR TEMPORARY MOBILE USE ON BATTERY, NOT FOR STATIONARY SUPPORT OF CRITICAL/SENSITIVE DC LOADS. LISTED VALUE REPRESENTS MAXIMUM ALLOWABLE LIMIT WITHOUT BATTERY.
- 3) MOBILE UNIVERSAL MAINTENANCE CHARGER APPLICABLE TO VARIOUS BATTERY TYPES AND NUMBER OF CELLS.
- 4) AC AMPERES LISTED ON DATAPLATE IS A CALCULATED VALUE OF CHARGER'S INPUT CURRENT AT MAX OUTPUT. MEASURED AC CURRENT DURING NOMINAL OPERATION WILL BE LOWER. USER WIRING AND FEEDER BREAKER TO AC INPUT TERMINAL BLOCK (TB1) SHOULD CONFORM TO NEC AND SITE CODES, AND BE SIZED FOR THE TRIP RATING OF AC INPUT BREAKER (CB1).

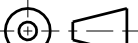
MADE IN



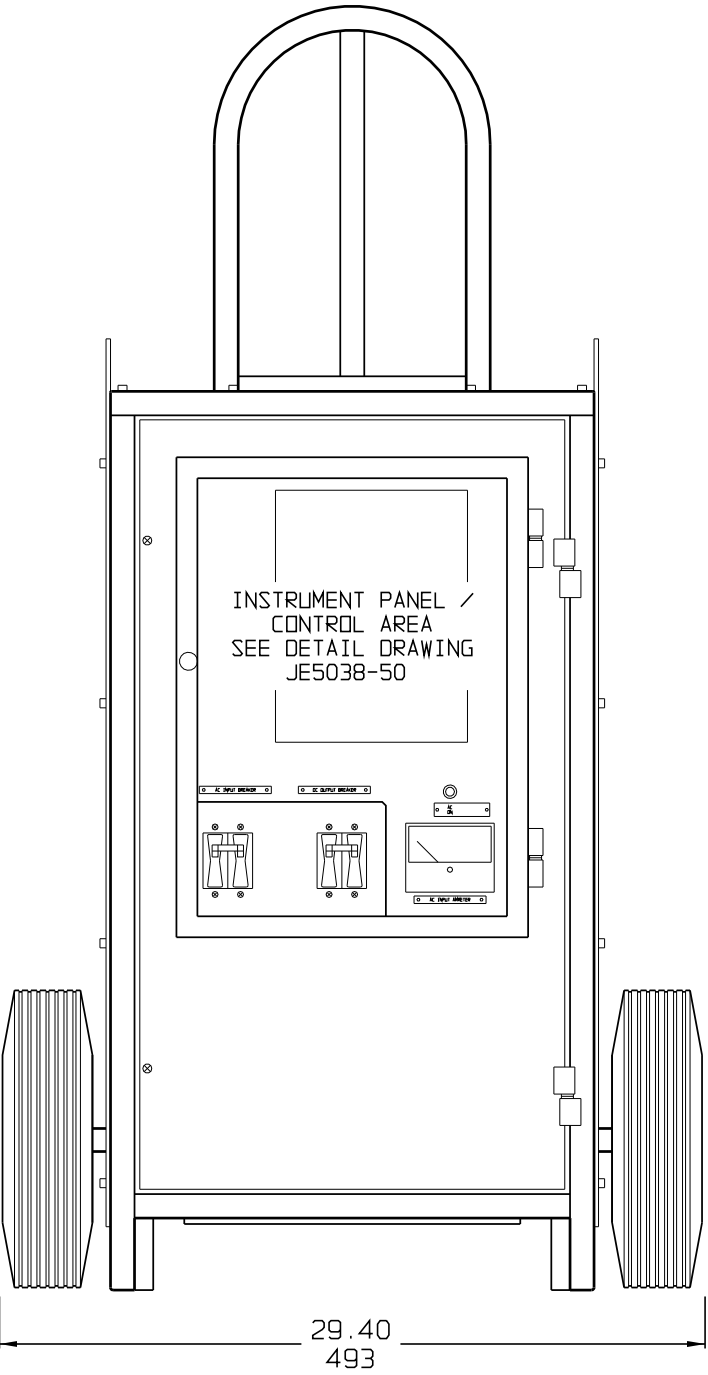
U. S. A.

DRAWING PACKAGE NOTES:

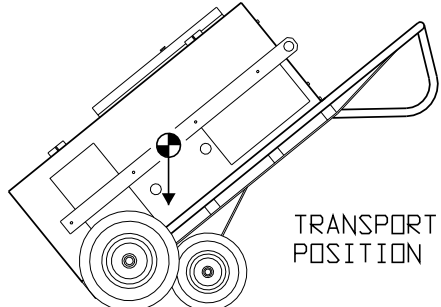
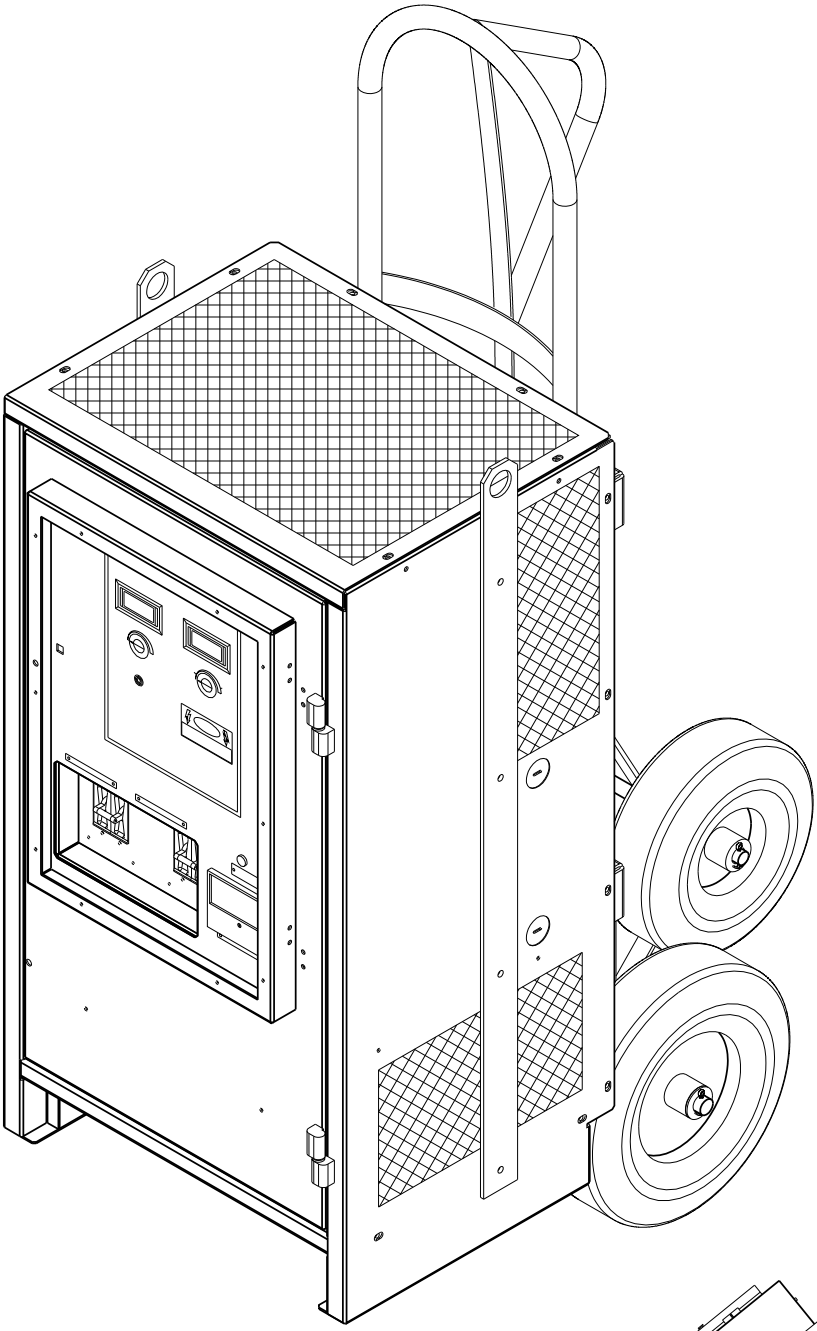
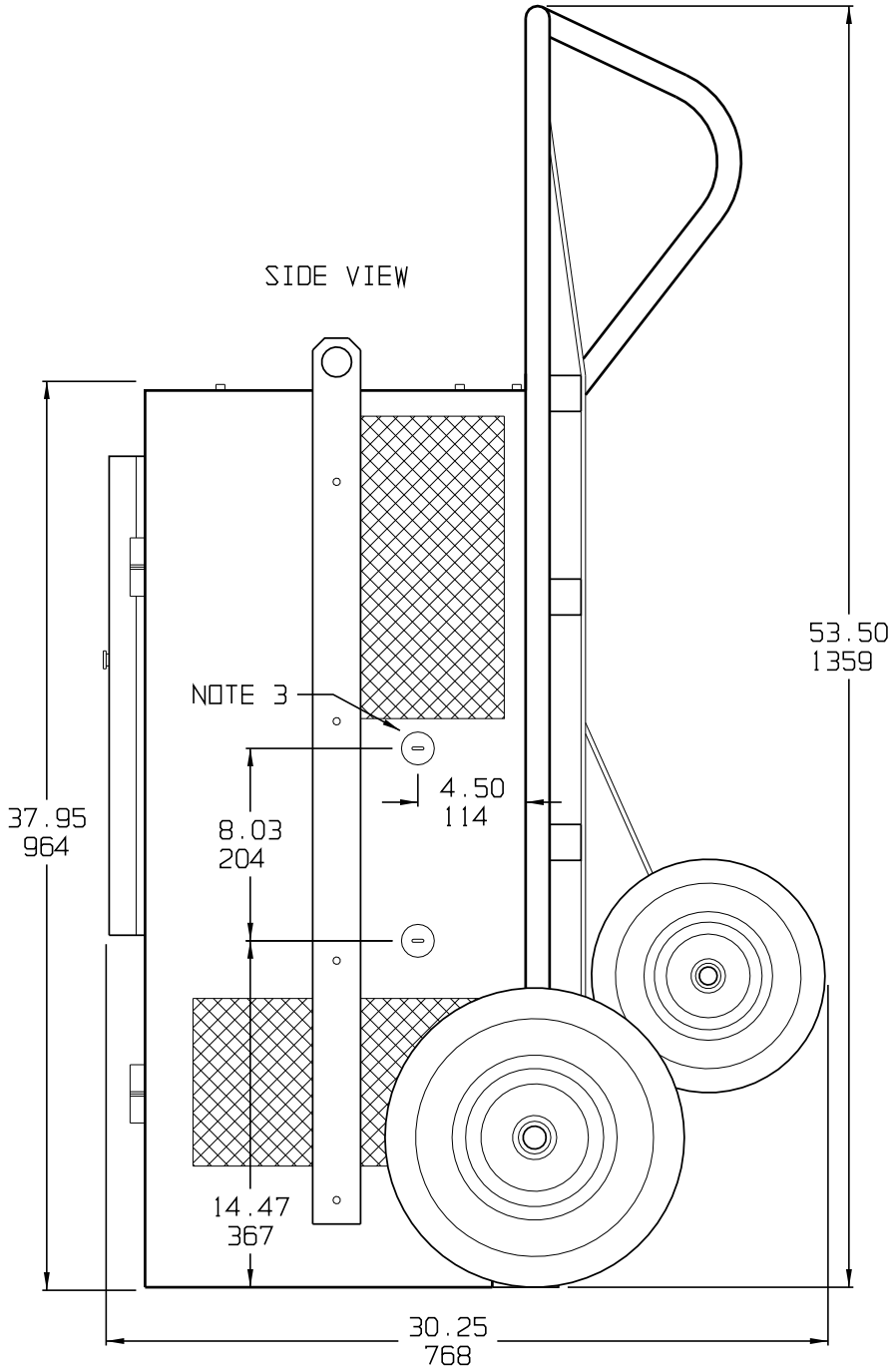
- A) THIS DRAWING PACKAGE REPRESENTS PART No. JH0003-UMC-50.
- B) ALL SHEETS OF THE ABOVE LIST ARE A COMPLETE PACKAGE AND SHOULD NOT BE SEPERATED FROM ONE ANOTHER.
- C) ELECTRONIC VERSIONS OF THESE DOCUMENTS ARE AVAILABLE IN AutoCAD (DWG) FORMAT AND/OR Adobe Acrobat (PDF) FORMAT.

9	-N/A-	091121	 THIRD ANGLE PROJECTION	TITLE UNIVERSAL MAINTENANCE CHARGER (UMC) DRAWING LIST / DATA NAMEPLATE DETAIL										
8	25942	042417												
7	25864	030817		DRAWN BY	MCR	021403	DRAWING No JE5035-50			REV	9	B		
6	21450	120808		ELECTRONIC APPROVAL SIGNATURES MAINTAINED BY MFG ECN LOG						SCALE	NTS		PART No	JE5035-50
5	20462	121506		UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:										
REV	ECN No	DATE												

FRONT VIEW



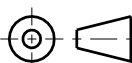
SIDE VIEW

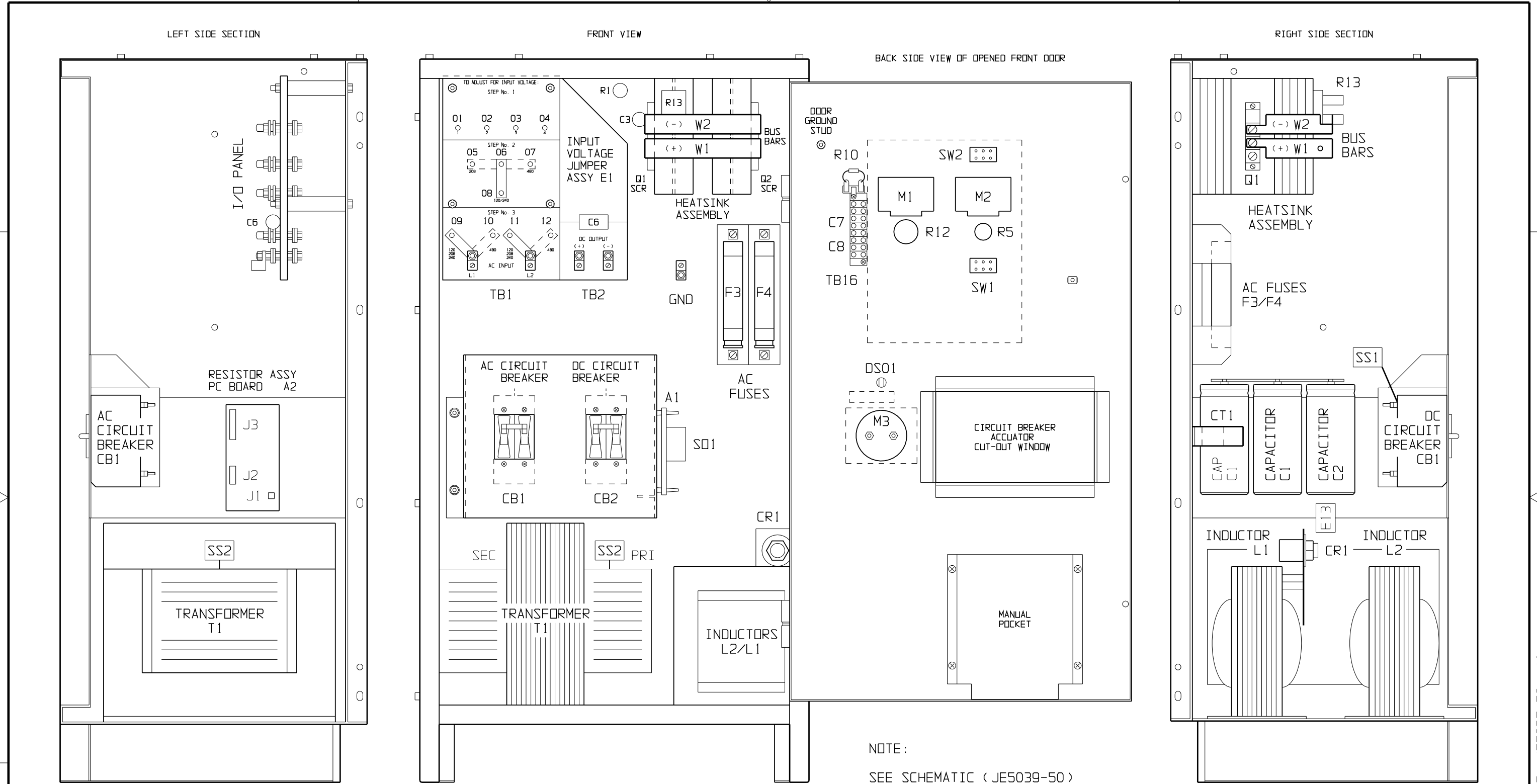


NOTES:

- 1) ENCLOSURE IS A NEMA-1 / IP20 TYPE STEEL CABINET WITHOUT GASKETS, FINISH IS ANSI-61 GRAY EPOXY POWDERCOAT.
- 2) ALLOW 12in / 305mm OF FREE AIR ALL AROUND CABINET FOR VENTILATION.
- 3) TWO (2) 1in/25mm I/O CONDUIT KNOCKOUTS ARE PROVIDED AS SHOWN ON THE LOWER-RIGHT SIDE OF ENCLOSURE.
- 4) BATTERY CHARGER SHIPPING WEIGHT: APPROXIMATELY 390 lbs. / 177 kg.

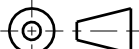
DUAL DIMENSIONS in mm

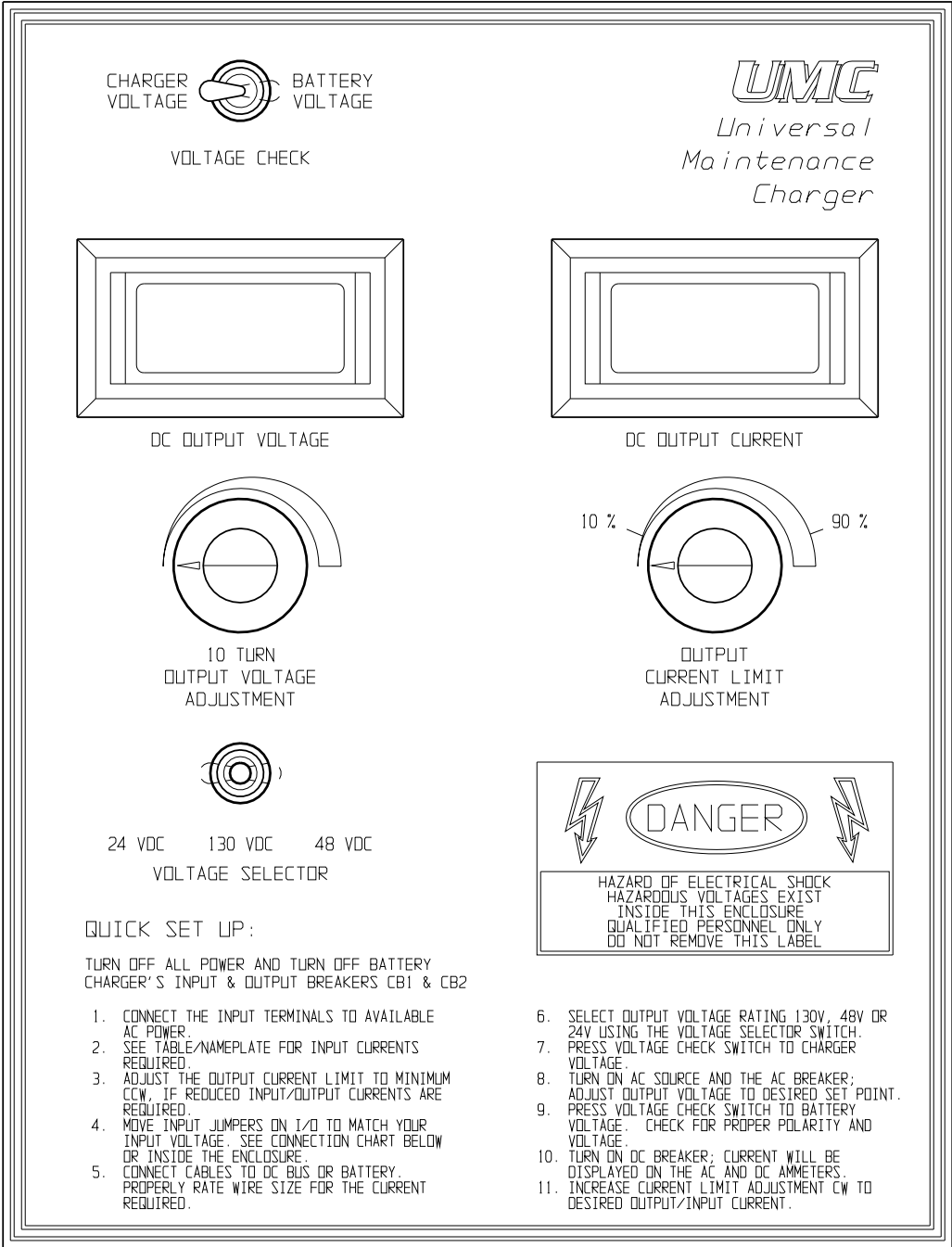
9	-N/A-	091121	 THIRD ANGLE PROJECTION	TITLE UNIVERSAL MAINTENANCE CHARGER OUTLINE: NEMA-1 STYLE-5018 ENCL W/HAND TRUCK				
8	25942	042417						
7	25864	030817		DRAWN BY MCR	021403	DRAWING No JE5036-50		REV 9
6	21450	120808	ELECTRONIC APPROVAL SIGNATURES MAINTAINED BY MFG ECN LOG					
5	20462	121506	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:					
REV	ECN No	DATE			SCALE NTS	PART No JE5036-50	SHEET 1	OF 1

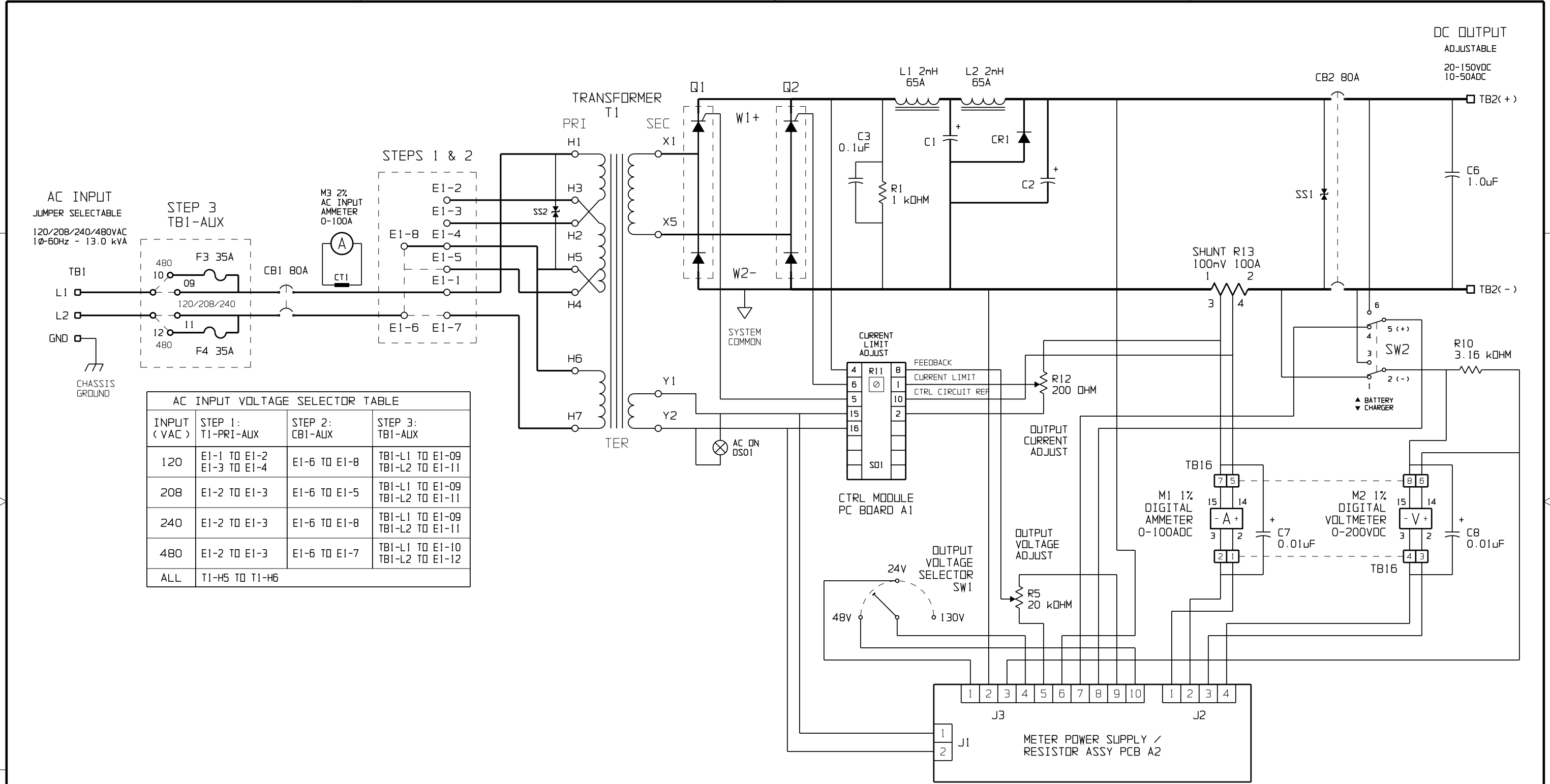


NOTE :
SEE SCHEMATIC (JE5039-50)
FOR COMPONENT INDICATORS
(CIRCUIT SYMBOL) DESCRIPTIONS .

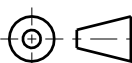
I/O TERMINAL	DESCRIPTION - TYPE	CONNECTION
TB1-L1	AC INPUT TERMINAL - CU-ALUMINUM COMPRESSION LUG	#14-1/0 AWG
TB1-L2	AC INPUT TERMINAL - CU-ALUMINUM COMPRESSION LUG	#14-1/0 AWG
GND	GROUND TERMINAL - CU-ALUMINUM COMPRESSION LUG	#14-2 AWG
TB2(+)	POSITIVE OUTPUT TERMINAL - CU-ALUMINUM COMPRESSION LUG	#14-1/0 AWG
TB2(-)	NEGATIVE OUTPUT TERMINAL - CU-ALUMINUM COMPRESSION LUG	#14-1/0 AWG

9	-N/A-	091121		THIRD ANGLE PROJECTION	TITLE UNIVERSAL MAINTENANCE CHARGER INTERNAL COMPONENT LAYOUT: STYLE-5018							
8	25942	042417										
7	25864	030817	DRAWN BY	MCR	021403	DRAWING No JE5037-50			REV 9	B		
6	21450	120808	ELECTRONIC APPROVAL SIGNATURES MAINTAINED BY MFG ECN LOG									
5	20462	121506	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:			SCALE NTS			PART No JE5037-50		SHEET 1 OF 1	
REV	ECN No	DATE										





SYM	DESCRIPTION	SYM	DESCRIPTION	SYM	DESCRIPTION
A1	MAIN CONTROL PC BOARD	F3	AC INPUT FUSE	R12	"OUTPUT CURRENT ADJUST" POT
A2	METER POWER SUPPLY / RES ASSY PCB	F4	AC INPUT FUSE	R13	MAIN DC CURRENT-SENSING SHUNT
C1	FILTER CAPACITOR	L1	MAIN INDUCTOR	SD1	MAIN CTRL PCB (A1) INTERCONNECTOR
C2	BATTERY ELIMINATOR FILTER CAP	L2	FILTER INDUCTOR	SS1	DC OUTPUT SURGE SUPPRESSOR
C3	SNUBBER CAPACITOR	M1	DC OUTPUT AMMETER	SS2	AC INPUT SURGE SUPPRESSOR
C6	DC OUTPUT EMI FILTER CAP (+ TO -)	M2	DC OUTPUT VOLTMETER	SW1	"OUTPUT VOLTAGE SELECTOR" SWITCH
C7	DC AMMETER (M1) SIGNAL FILTER CAP	M3	AC INPUT AMMETER	SW2	"BATTERY/CHARGER VOLTAGE" SWITCH
C8	DC VMETER (M2) SIGNAL FILTER CAP	Q1	SILICON-CONTROLLED RECTIFIER	T1	POWER ISOLATION TRANSFORMER
CB1	AC INPUT CIRCUIT BREAKER	Q2	SILICON-CONTROLLED RECTIFIER	TB1	AC INPUT TERMINALS
CB2	DC OUTPUT CIRCUIT BREAKER	R1	BLEED RESISTOR	TB2	DC OUTPUT TERMINALS
CR1	POLARITY DIODE	R5	"OUTPUT VOLTAGE ADJUST" POT	TB16	METER POWER SUPPLY INTERFACE
CT1	AC CURRENT TRANSFORMER	R10	VMETER VOLTAGE DIVIDER RESISTOR	W1	COPPER BUS BAR (POS LEG)
DS01	"AC ON" INDICATOR LIGHT	R11	CURRENT LIMIT ADJUST POTENTIOMETER	W2	COPPER BUS BAR (NEG LEG)

9	-N/A-	091121		THIRD ANGLE PROJECTION	TITLE UNIVERSAL MAINTENANCE CHARGER (UMC) SCHEMATIC : BB0443-01 (10-50ADC)						
8	25942	042417									
7	25864	030817	DRAWN BY	MCR	021403	DRAWING No JE5039-50		REV 9	B		
6	21450	120808	ELECTRONIC APPROVAL SIGNATURES MAINTAINED BY MFG ECN LOG								
5	20462	121506	UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES. TOLERANCES ARE:			SCALE NTS		PART No JE5039-50		SHEET 1 OF 1	
REV	ECN No	DATE									

