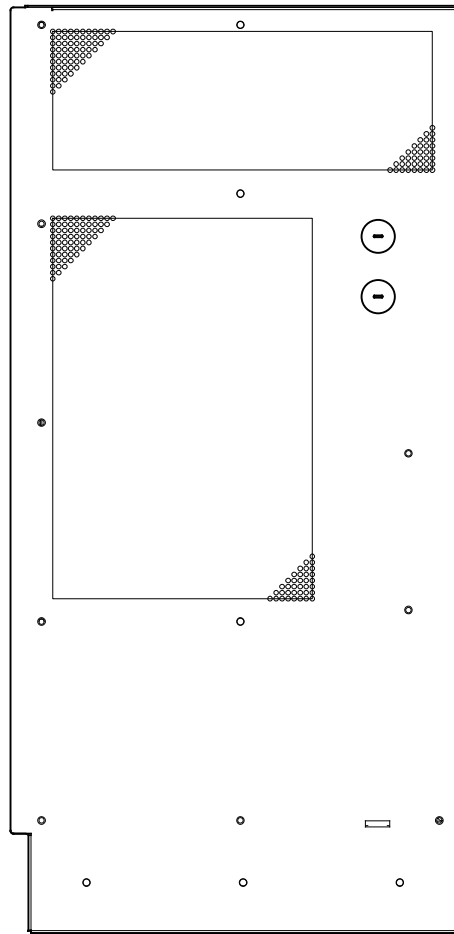
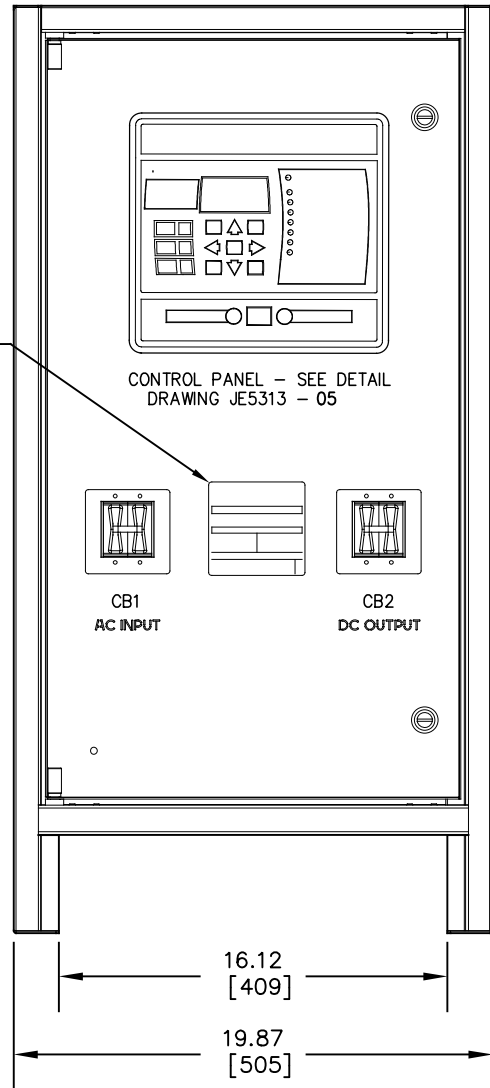


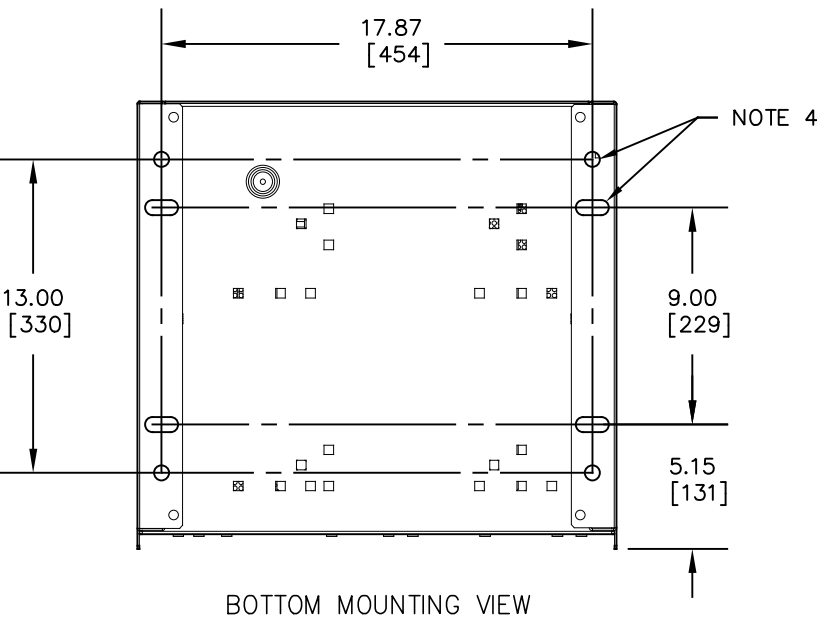
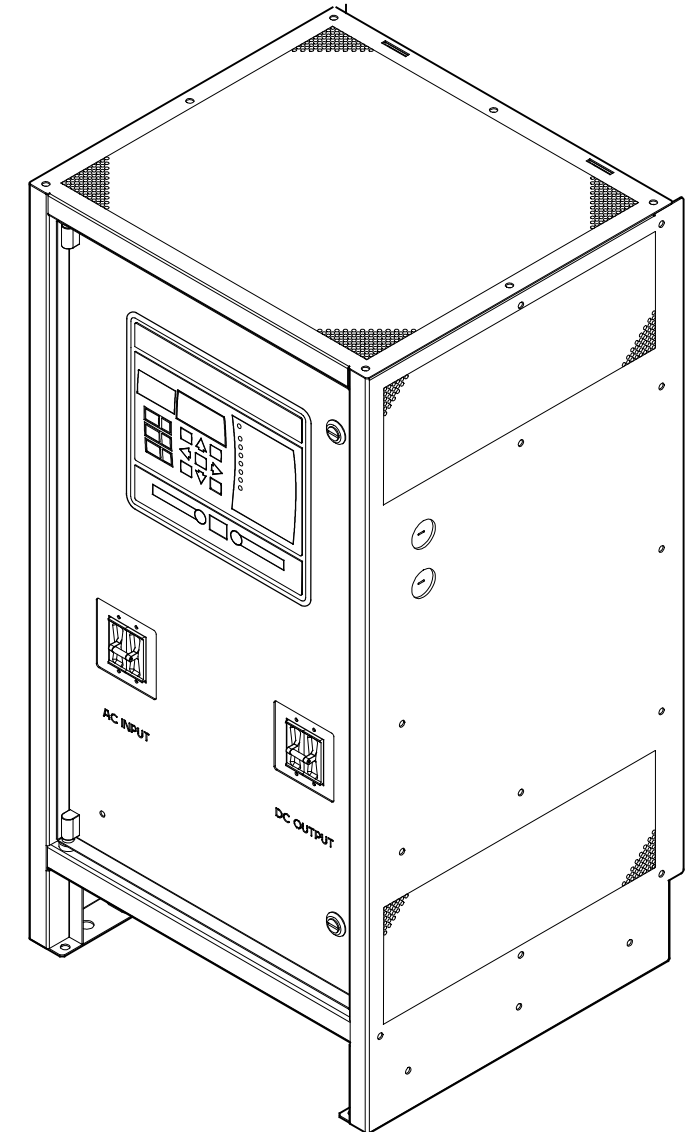
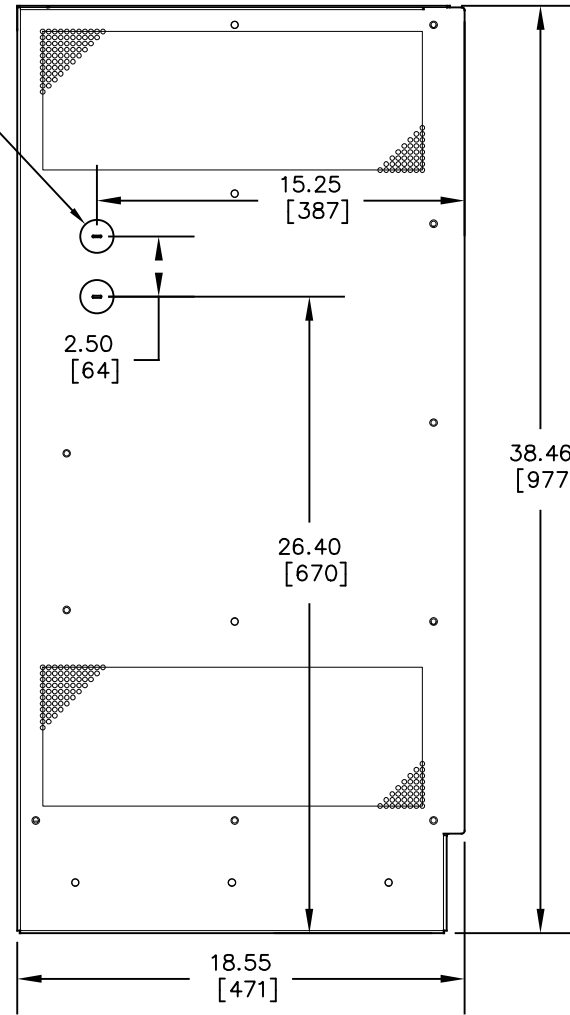
LEFT SIDE VIEW



FRONT VIEW



RIGHT SIDE VIEW



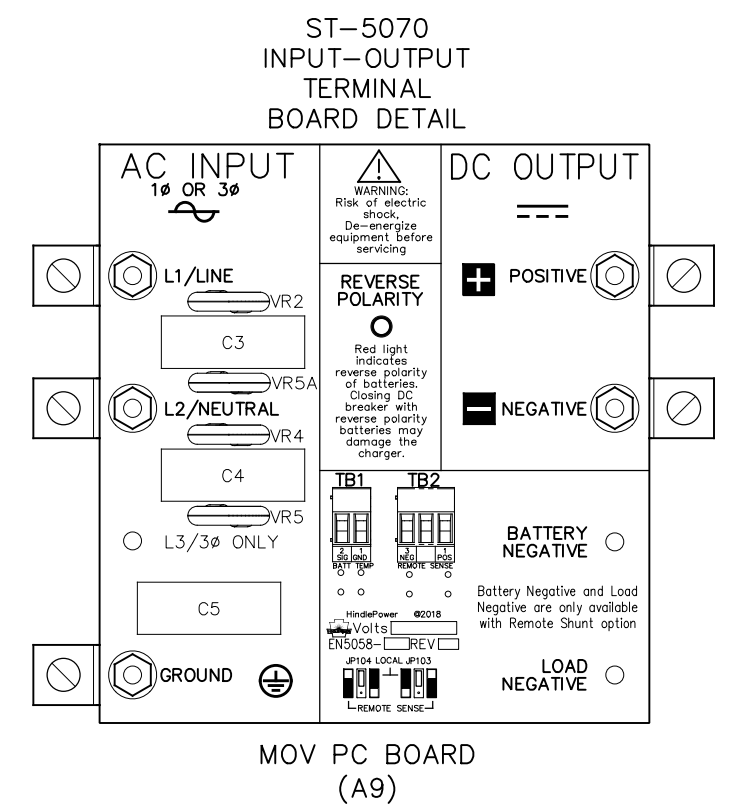
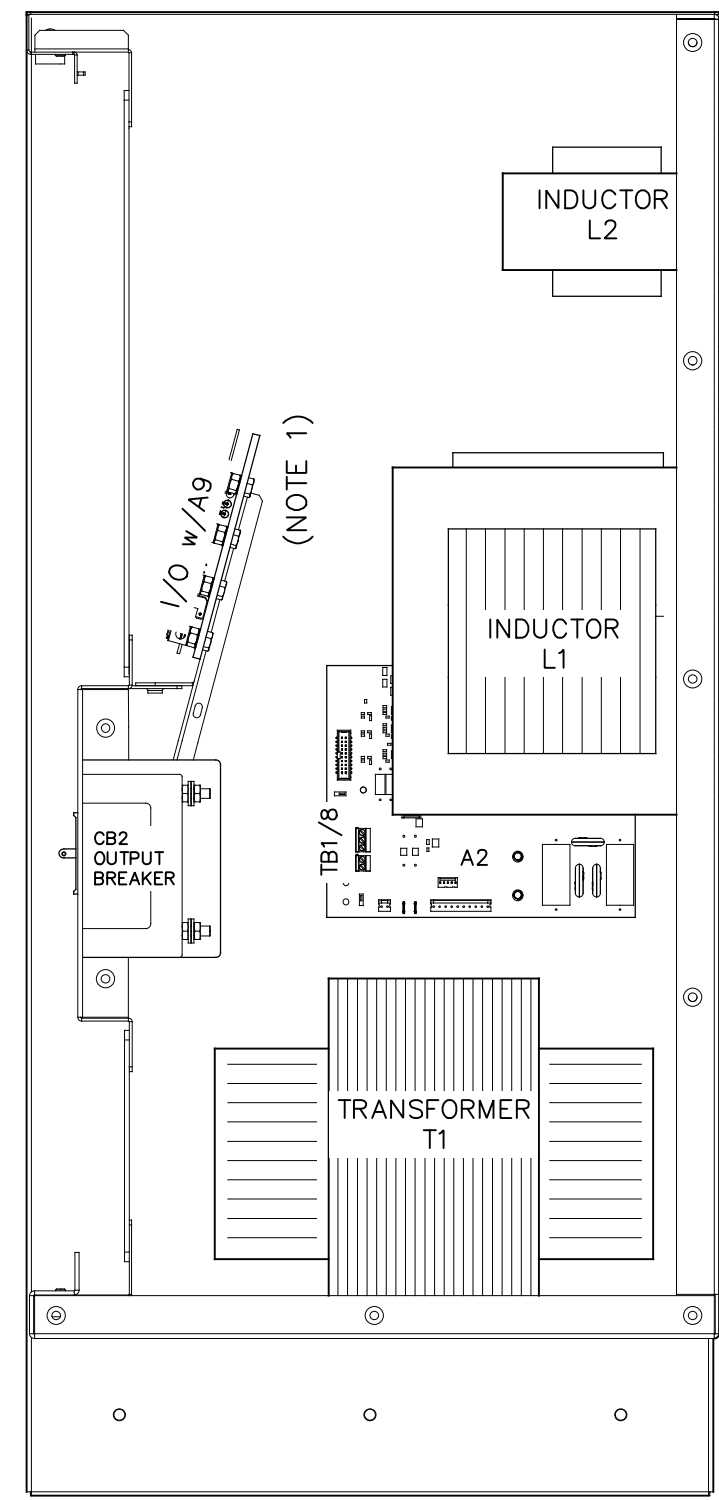
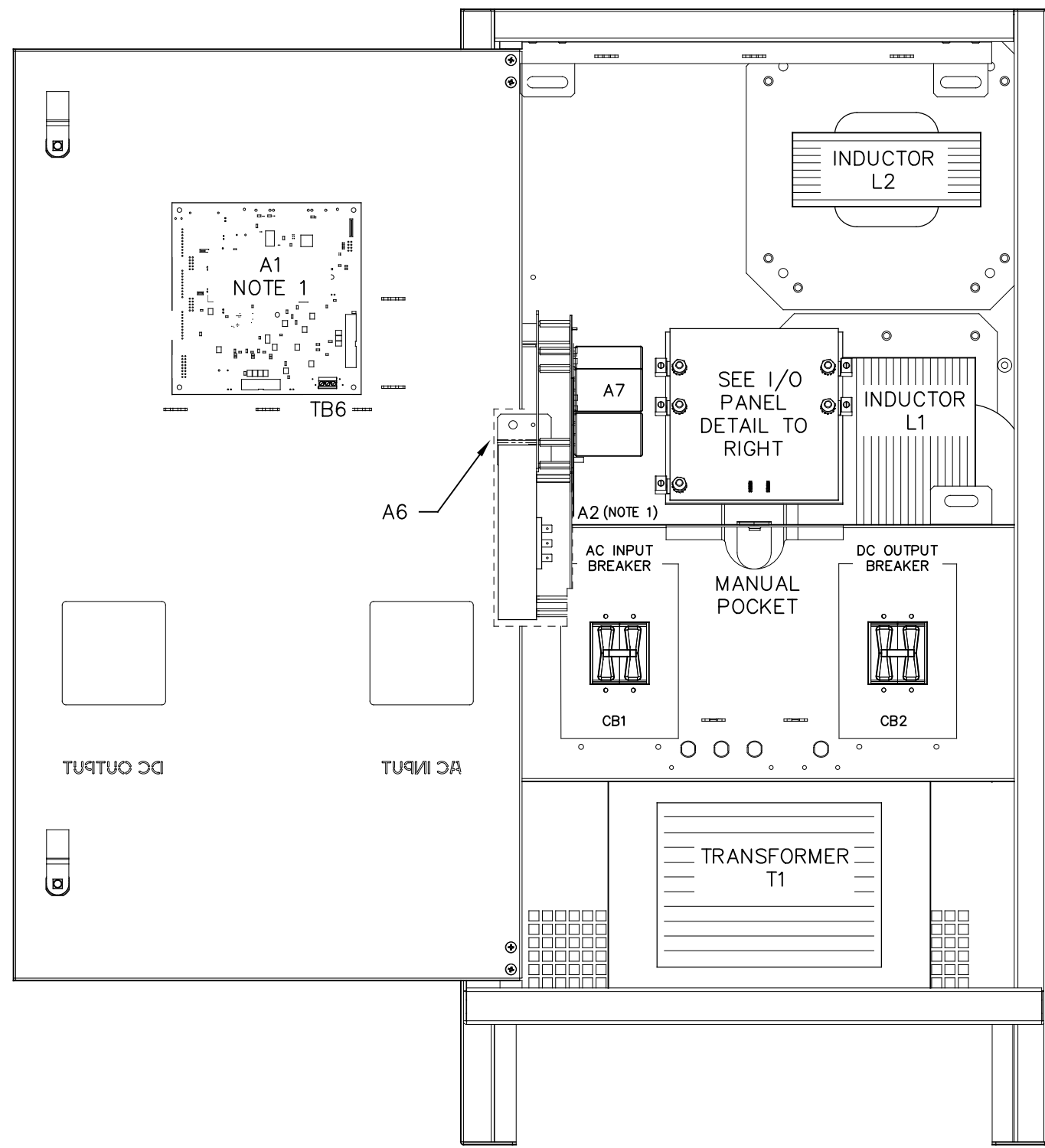
NOTES:

- ENCLOSURE IS A NEMA TYPE 1 / IP20 TOP-VENTED STEEL CABINET WITHOUT GASKETS. FINISH IS ANSI-61 GRAY EPOXY POWDERCOAT. MOUNTING BASE IS 12 GA. SIDE PANELS ARE 14 GA. TOP PANEL AND DOOR ARE 16 GA.
- ALLOW 6in / 152mm OF FREE AIR ON ALL VENTED SURFACES (TOP, SIDES & REAR) FOR COOLING.
- DATA NAMEPLATE DECAL (WITH CHARGER RATINGS) APPLIED TO DOOR.
- FOUR (4) 0.5in / 12mm FLOOR-MOUNTING HOLES AND FOUR (4) 1in x 0.625in / 25mm x 16mm FLOOR-MOUNTING SLOTS ARE PROVIDED ON BOTTOM OF ENCLOSURE AS SHOWN.
- FOUR (4) 1.31in / 33mm DIA STANDARD PRE-FAB KEY-SLOT KNOCKOUTS ARE PROVIDED AS SHOWN FOR 1in / 25mm CONDUIT ENTRY. IF ADDITIONAL CONDUIT ENTRANCES ARE REQUIRED, ENCLOSURE SHOULD BE FIELD-MODIFIED BY INSTALLER.
- BATTERY CHARGER SHIPPING WEIGHT: APPROXIMATELY TBD lbs / TBD kg

DUAL DIMENSIONS ⁱⁿ [mm]

REV. 0	DRN BY KJB	CHK BY MCR	APP BY MCR	DATE 10/29/2021	DRN BY KJB	DATE 10/29/2021	TITLE ATEVO BATTERY CHARGER OUTLINE: NEMA-1 STYLE-5070 ENCL 1Ø W/O OPTIONS 16-25A
DESCRIPTION STANDARD DRAWINGS.					CHK BY MCR	DATE 10/29/2021	
ECN NO. N/A					APP BY MCR	DATE 10/29/2021	
							B SCALE NTS DWG No JE5309-05
							REV 0 SHEET 1 OF 1

SYM	STANDARD COMPONENT DESCRIPTION
A1	MAIN CONTROL PC BOARD
A2	POWER BOARD
A6	RECTIFIER ASSEMBLY
A9	MOV PC BOARD
A7	FILTER BOARD (C1x/R9x)
CB1	AC INPUT CIRCUIT BREAKER (CD2)
CB2	DC OUTPUT CIRCUIT BREAKER (CD2)
AUXCB2	DC CKT BKR (CB2) AUXILIARY CONTACTS
L1	MAIN INDUCTOR
L2	FILTER INDUCTOR
T1	POWER TRANSFORMER

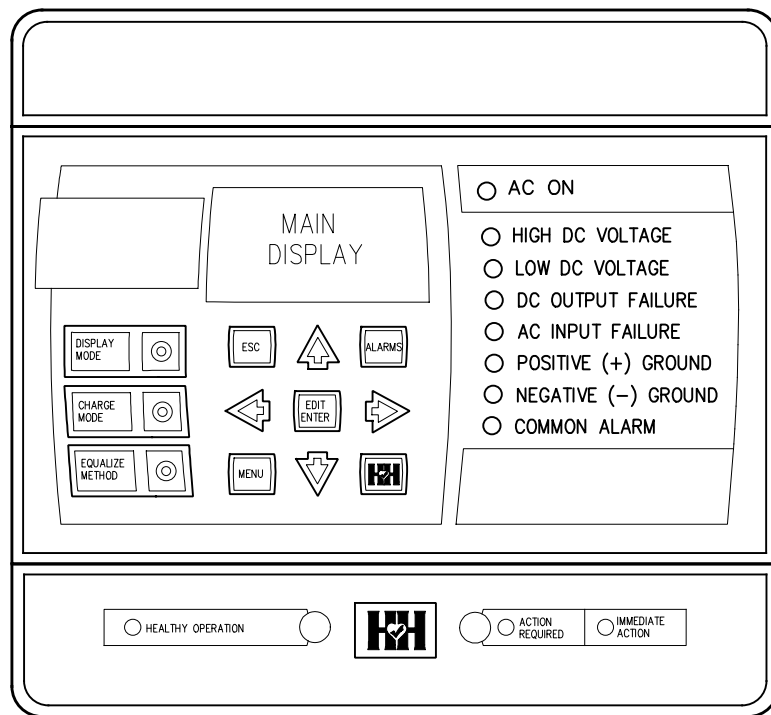


I/O TERMINAL	DESCRIPTION - TYPE	CONNECTION
I/O (+/-)	POS/NEG OUTPUT TERMINALS - CU-ALUMINUM COMPRESSION LUG	#14-1/0 AWG
GND LUG	USER GROUND TERMINAL - CU-ALUMINUM COMPRESSION LUG	#14-1/0 AWG
I/O (L1/L2)	AC INPUT TERMINALS - CU-ALUMINUM COMPRESSION LUG	#14-1/0 AWG
(A2) TB1	POS/NEG REMOTE SENSE TERMS (A2) - SOLDERLESS COMP SCREW	#22-14 AWG
(A2) TB8	TEMPCO PROBE (A10) TERMINAL BLOCK - SOLDERLESS COMPRESSION SCREW	#22-14 AWG
(A1) TB6	SUMMARY ALARM TERMINAL BLOCK (A1) - SOLDERLESS COMPRESSION SCREW	#22-14 AWG

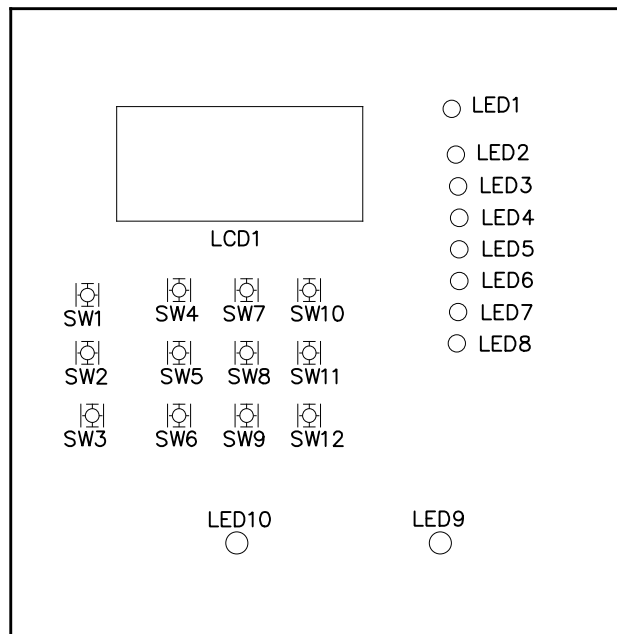
NOTES:
 1. FOR DETAIL VIEWS OF ALL PC BOARDS (A1, A2, etc.) SEE DRAWING JE5313 - 05.

REV.	DRN BY	CHK BY	APP BY	DATE	DRN BY	DATE:
0	KJB	MCR	MCR	10/29/2021	KJB	10/29/2021
DESCRIPTION				STANDARD DRAWINGS.	CHK BY	DATE:
ECN NO. N/A				MCR	MCR	10/29/2021
				APP BY	DATE:	
				MCR	MCR	10/29/2021

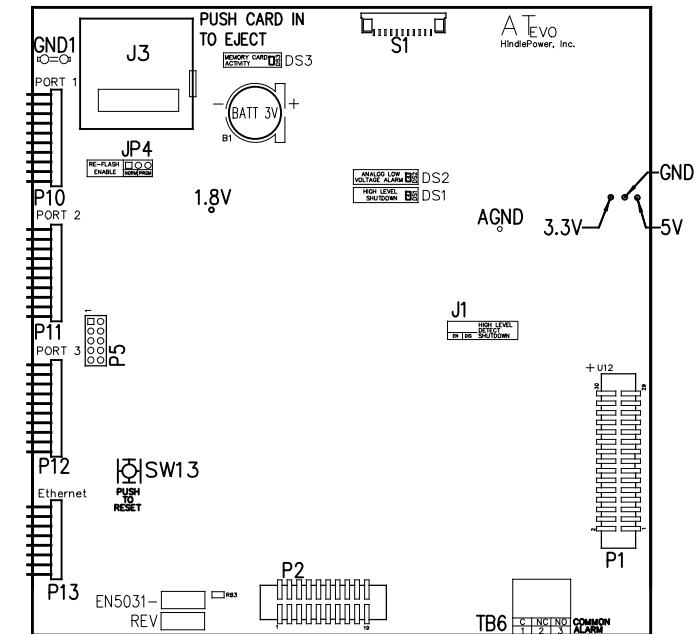
TITLE		SCALE	DWG No	REV	SHEET
ATEVO BATTERY CHARGER INTERNAL COMPONENT LAYOUT: STYLE-5070 1Ø W/O OPTIONS 16-25A		B	JE5310-05	0	1 OF 1



CONTROL PANEL
(PART No. FK5047-00)



MAIN CONTROL PC BOARD (A1)
FRONT VIEW – FACING CHARGER DOOR WHEN INSTALLED



MAIN CONTROL PC BOARD (A1)
BACK VIEW – FACING CHARGER COMPONENTS WHEN INSTALLED

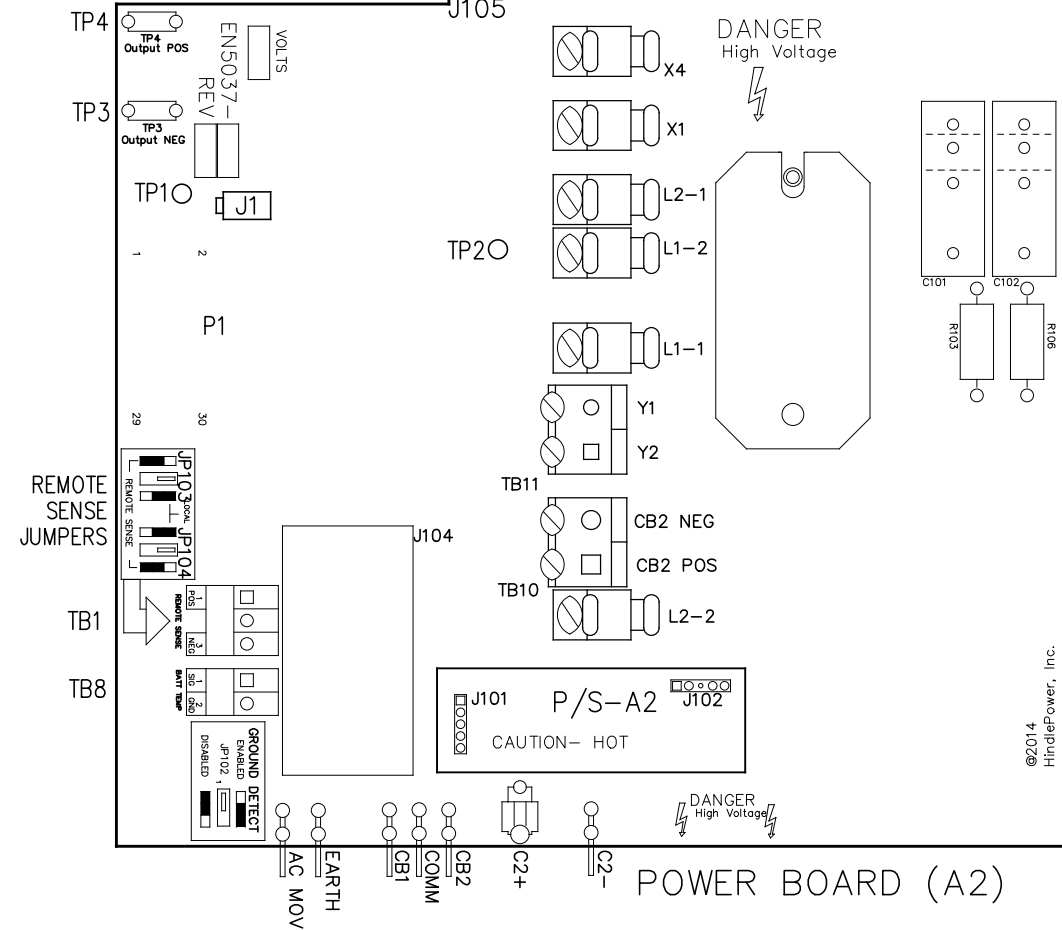
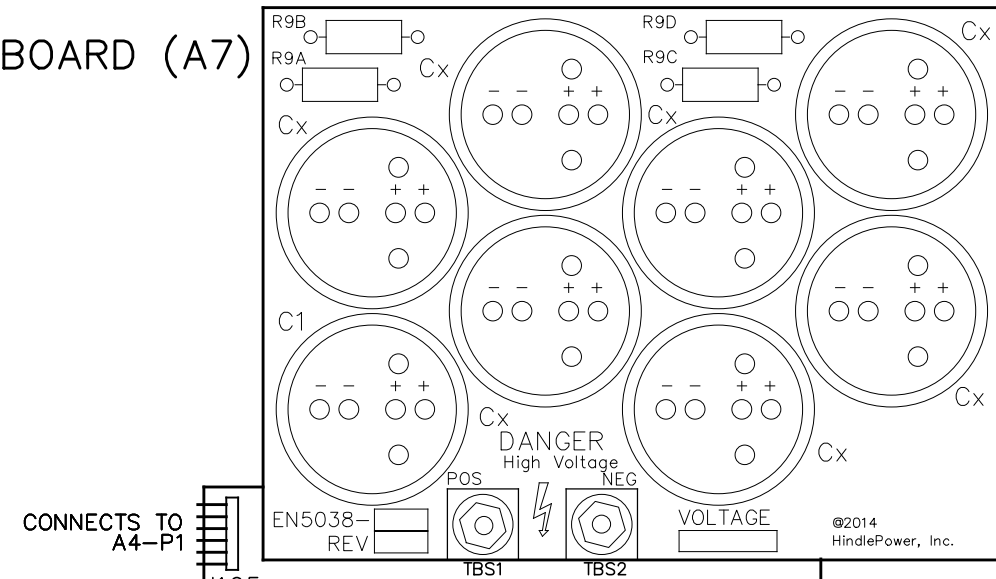
NOTE: ALL ALARM CONTACTS ARE ENERGIZED WHEN IN THE NON-ALARM STATE (FAIL SAFE). ALL ALARM CONTACTS WILL CHANGE STATE WHEN CHARGER IS POWERED DOWN. CONTACT RATING IS 0.5A @ 125VAC/VDC RESISTIVE.

I/O TERMINAL	DESCRIPTION – TYPE	CONNECTION
(A1) TB6	SUMMARY ALARM TERMINAL BLOCK (A1) – SOLDERLESS COMP SCREW	#22-14 AWG

MAIN CONTROL PC BOARD (A1)			
INDICATOR LIGHTS (LEDs):	JUMPERS:	SWITCHES:	CONNECTORS:
LED1 – GREEN – AC ON	J1 – ANALOG HIGH VOLTAGE SHUTDOWN JUMPER	S1 – DISPLAY BUTTON	P1 – POWER BOARD RIBBON
LED2 – RED – HIGH DC VOLTAGE ALARM	J3 – SD CARD PORT	S2 – CHARGE MODE BUTTON	P2 – 3 PHASE RECTIFIER RIBBON
LED3 – RED – LOW DC VOLTAGE ALARM	J4 – RE-FLASH (FIELD PROGRAMMING) JUMPER	S3 – EQUALIZE METHOD BUTTON	P3 – USB EXPANSION PORT
LED4 – RED – DC OUTPUT FAILURE ALARM	TERMINAL BLOCKS:	S4 – ESCAPE (ESC) BUTTON	P4 – SPI & I2C EXPANSION PORT #1
LED5 – RED – AC INPUT FAILURE ALARM	TB6 – COMMON ALARM RELAY CONTACTS	S5 – LEFT ARROW BUTTON	P5 – SPI & I2C EXPANSION PORT #2
LED6 – RED – POSITIVE (+) GROUND ALARM	TEST POINTS:	S6 – MENU BUTTON	P6 – DISPLAY SPI PORT
LED7 – RED – NEGATIVE (-) GROUND ALARM	1.8V – 1.8 VOLTS	S7 – UP ARROW BUTTON	P7 – DISPLAY JTAG PORTS
LED8 – RED – COMMON ALARM	3.3V – 3.3 VOLTS	S8 – EDIT / ENTER BUTTON	P10 – SERIAL INTERFACE PORT #1
LED9 – RED – ACTION REQUIRED ALARM	5V – 5.0 VOLTS	S9 – DOWN ARROW BUTTON	P11 – SERIAL INTERFACE PORT #2
LED10 – GREEN – HEALTHY OPERATION	GND – GROUND	S10 – ALARM BUTTON	P12 – SERIAL INTERFACE PORT #3
DS1 – RED – HIGH LEVEL SHUTDOWN (HLD)	AGND – ANALOG GROUND	S11 – RIGHT ARROW BUTTON	P13 – ETHERNET INTERFACE PORT
DS2 – RED – ANALOG LOW VOLTAGE ALARM (LLD)	SDA – MAIN BOARD I2C DATA	S12 – HINDLE HEALTH (HHS) BUTTON	P17 – GENERAL EXPANSION PORT
DS3 – RED – MEMORY CARD ACTIVITY	SCL – MAIN BOARD I2C CLOCK	SW13 – SYSTEM RESET BUTTON (BACK OF BOARD)	

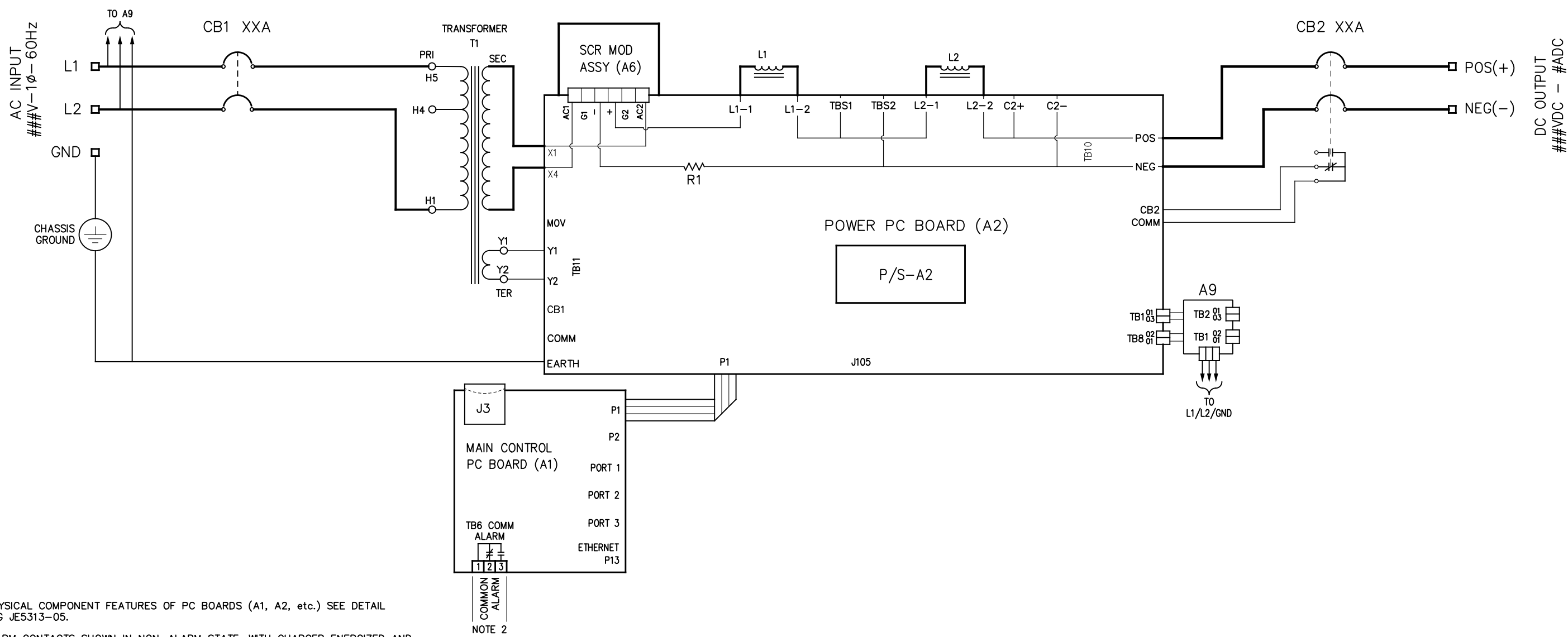
REV. 0	DRN BY KJB	CHK BY MCR	APP BY MCR	DATE 10/29/2021	DRN BY KJB	DATE: 10/29/2021	TITLE ATEVO BATTERY CHARGER CONTROL PANEL / PC BOARD DETAIL 1Ø W/O OPTIONS 16-25A
DESCRIPTION: STANDARD DRAWINGS.					CHK BY MCR	DATE: 10/29/2021	
ECN NO. N/A					APP BY MCR	DATE: 10/29/2021	
							B SCALE NTS DWG No JE5313-05
REV 0							SHEET 1 OF 2

FILTER BOARD (A7)

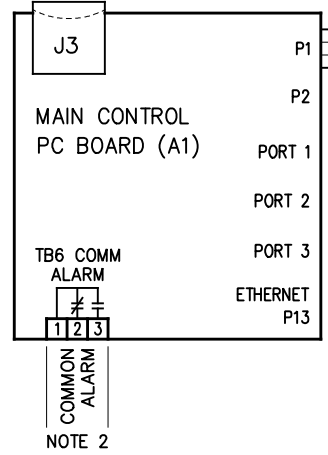


I/O TERMINAL	DESCRIPTION - TYPE	CONNECTION
(A2) TB1	POS/NEG REMOTE SENSE TERMS (A2) - SOLDERLESS COMP SCREW	#22-14 AWG
(A2) TB8	TEMPCO PROBE (A10) TERM BLK - SOLDERLESS COMP SCREW	#22-14 AWG

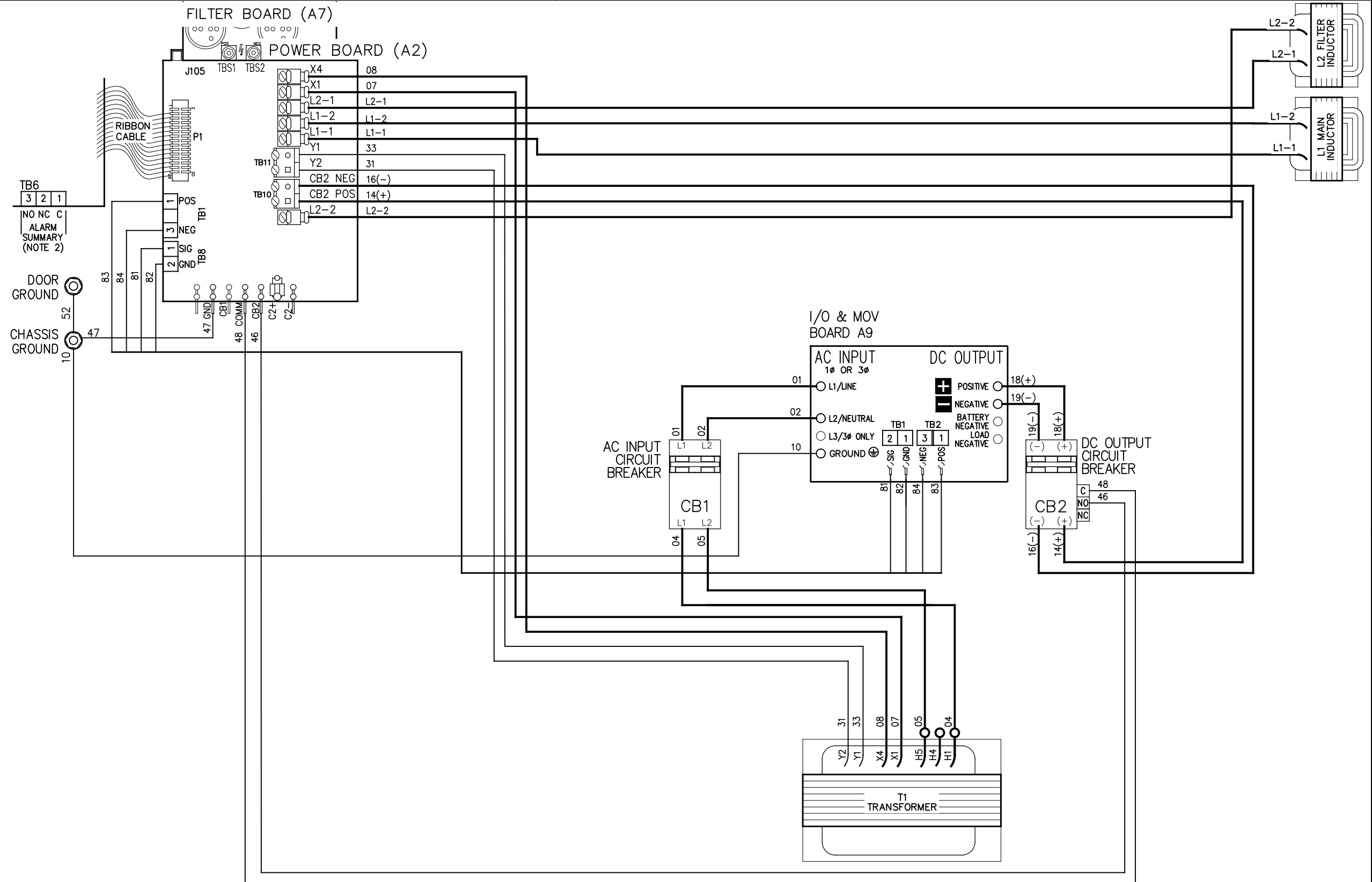
REV. 0	DRN BY KJB	CHK BY MCR	APP BY MCR	DATE 10/29/2021	DRN BY KJB	DATE 10/29/2021
DESCRIPTION: STANDARD DRAWINGS.					CHK BY MCR	DATE 10/29/2021
ECN NO. N/A					APP BY MCR	DATE 10/29/2021
TITLE: ATEVO BATTERY CHARGER CONTROL PANEL / PC BOARD DETAIL 1Ø W/O OPTIONS 16-25A						REV 0A
						SHEET 2 OF 2
SCALE: B		DWG No: JE5313-05		NTS		



- NOTES:
1. FOR PHYSICAL COMPONENT FEATURES OF PC BOARDS (A1, A2, etc.) SEE DETAIL DRAWING JE5313-05.
 2. ALL ALARM CONTACTS SHOWN IN NON-ALARM STATE, WITH CHARGER ENERGIZED AND ALARM RELAYS ENERGIZED (FAIL SAFE). ALL ALARM CONTACTS WILL CHANGE STATE WHEN CHARGER IS POWERED DOWN. CONTACT RATING IS: 0.5A @ 125VAC/VDC RESISTIVE.



REV. 0	DRN BY KJB	CHK BY MCR	APP BY MCR	DATE 10/29/2021	DRN BY KJB	DATE: 10/29/2021	TITLE ATEVO BATTERY CHARGER SCHEMATIC: STYLE 5070 1Ø W/O OPTIONS 16-25A
DESCRIPTION STANDARD DRAWINGS.					CHK BY MCR	DATE: 10/29/2021	
ECN NO. N/A					APP BY MCR	DATE: 10/29/2021	
					TITLE		
							SCALE B
DWG No JE5311-05							REV 0
SHEET 1 OF 1							



NOTES:

1. WHEN NATURAL LEADS OF MAGNETICS ARE NOT USED, CHARGER COMPONENTS ARE CONNECTED WITH BLACK FLAME-RETARDANT SWITCHBOARD INSULATION SYSTEM (SIS) TYPE WIRING, IDENTIFIED ON EACH END WITH NUMBER-CODED MARKERS. GROUND WIRES ARE GREEN WITH YELLOW STRIPE.
2. STANDARD USER ALARM CONTACTS (TB6 [A1], TB1[A2], TB8[A2], etc.) ARE SOLDERLESS COMPRESSION SCREW TERMINALS, ACCEPTING #22-14 AWG WIRE.

REV. 0	DRN BY KJB	CHK BY MCR	APP BY MCR	DATE 10/29/2021	DRN BY KJB	DATE: 10/29/2021	TITLE ATEVO BATTERY CHARGER CONNECTION DIAGRAM: STYLE 5070 1Ø W/O OPTIONS 16-25A
DESCRIPTION STANDARD DRAWINGS.					CHK BY MCR	DATE: 10/29/2021	
ECN NO. N/A					APP BY MCR	DATE: 10/29/2021	
					SCALE DWG No B NTS JE5312-05		
							REV 0 SHEET 1 OF 1