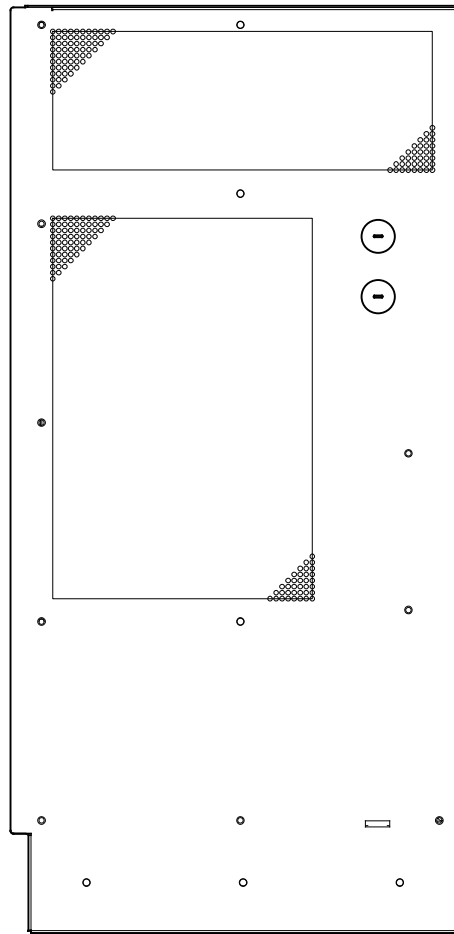
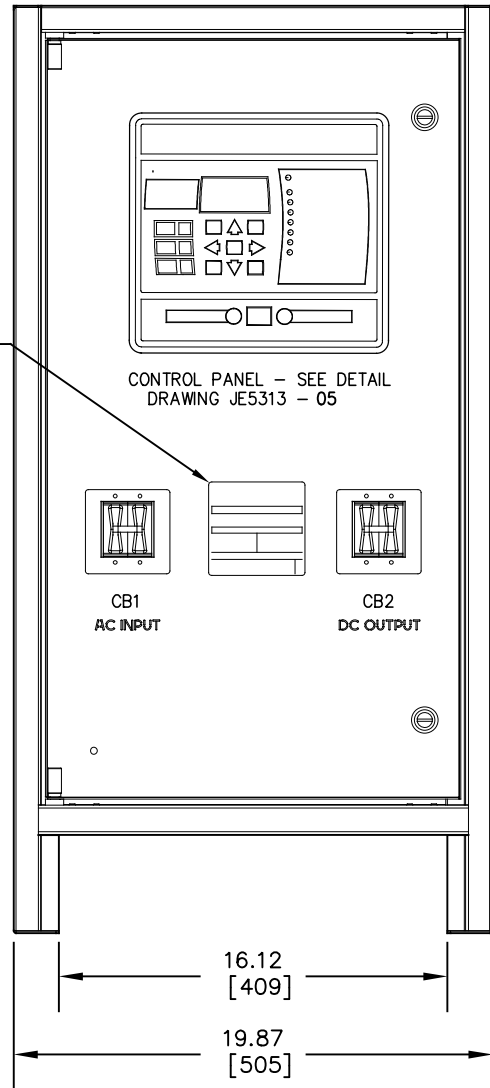


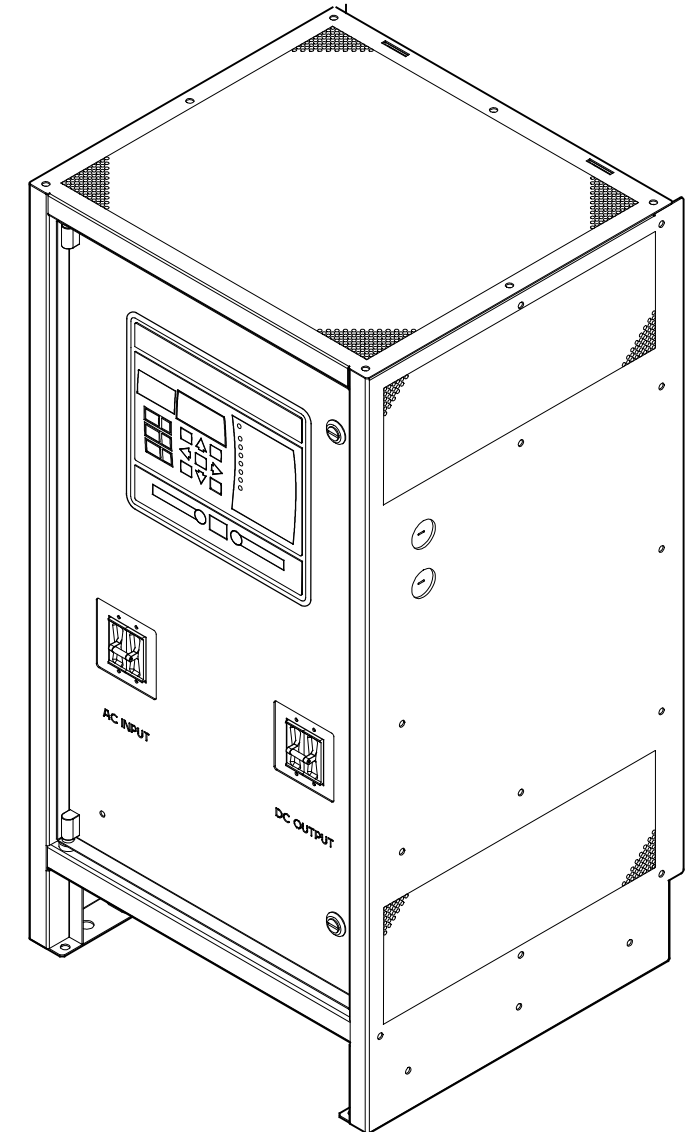
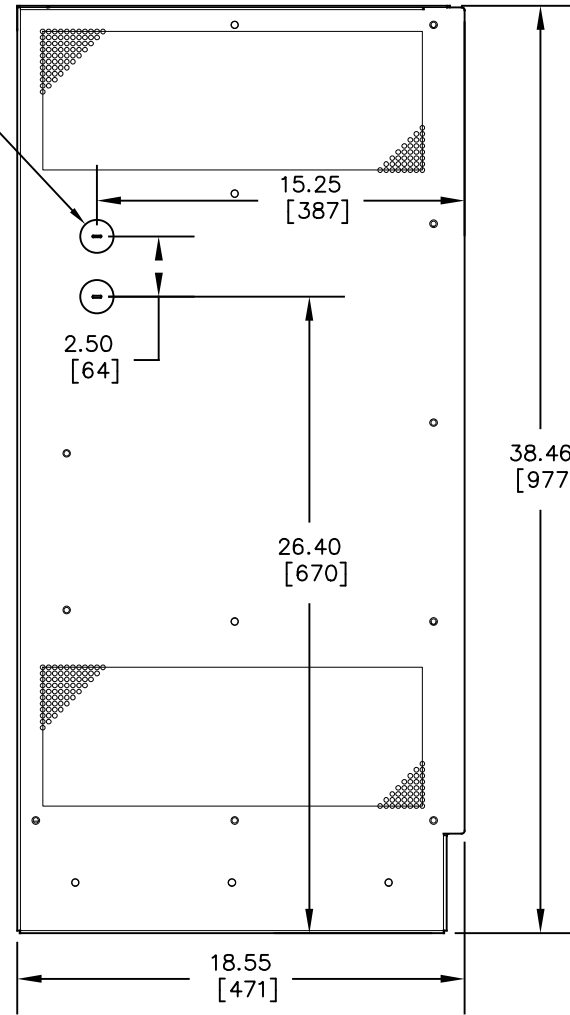
LEFT SIDE VIEW



FRONT VIEW



RIGHT SIDE VIEW



NOTE 3

NOTE 5

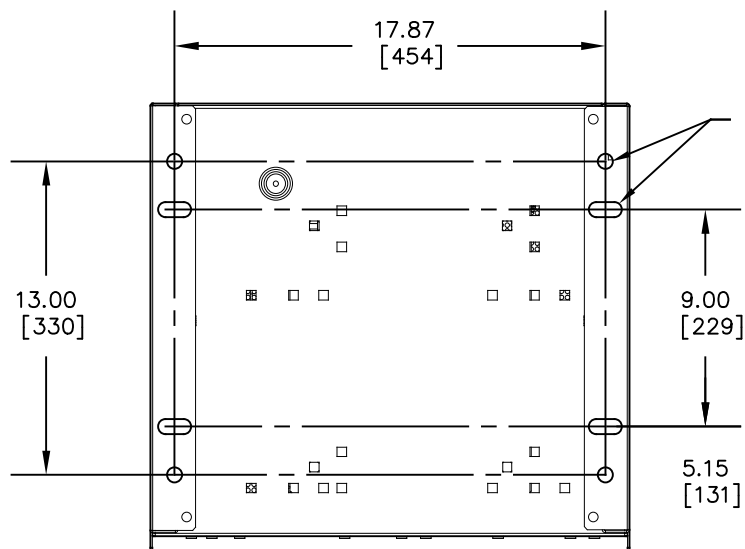
4.08 [104]

16.12 [409]  
19.87 [505]

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

NOTE 4



BOTTOM MOUNTING VIEW

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

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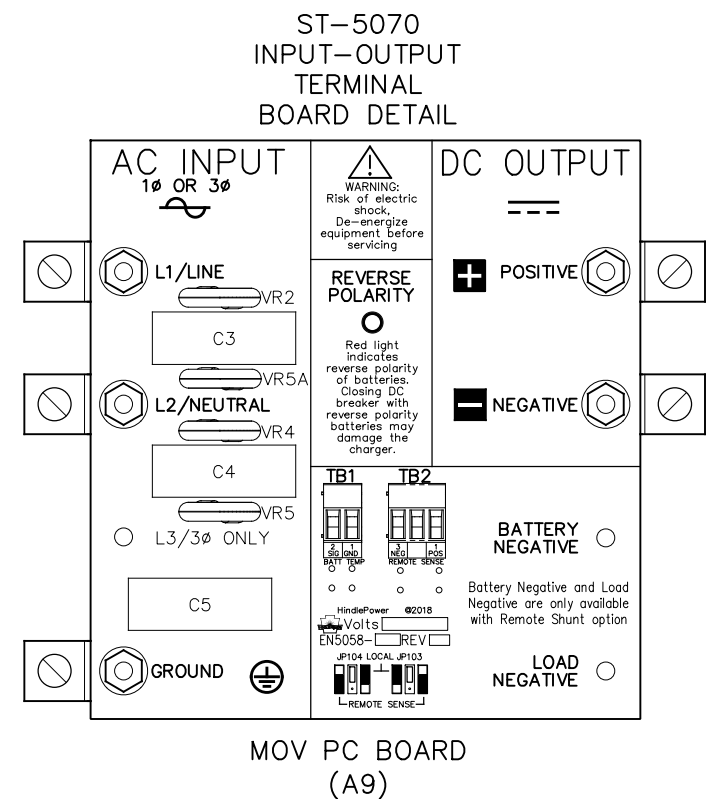
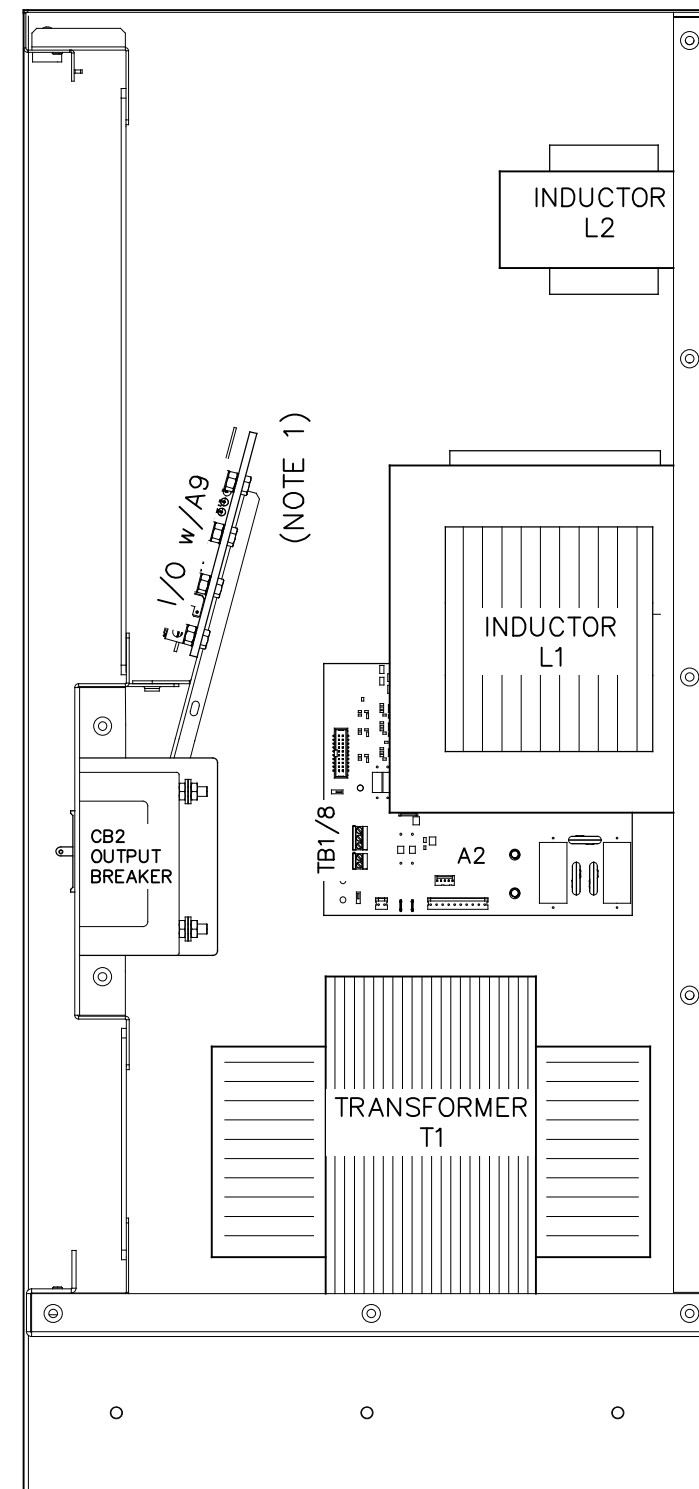
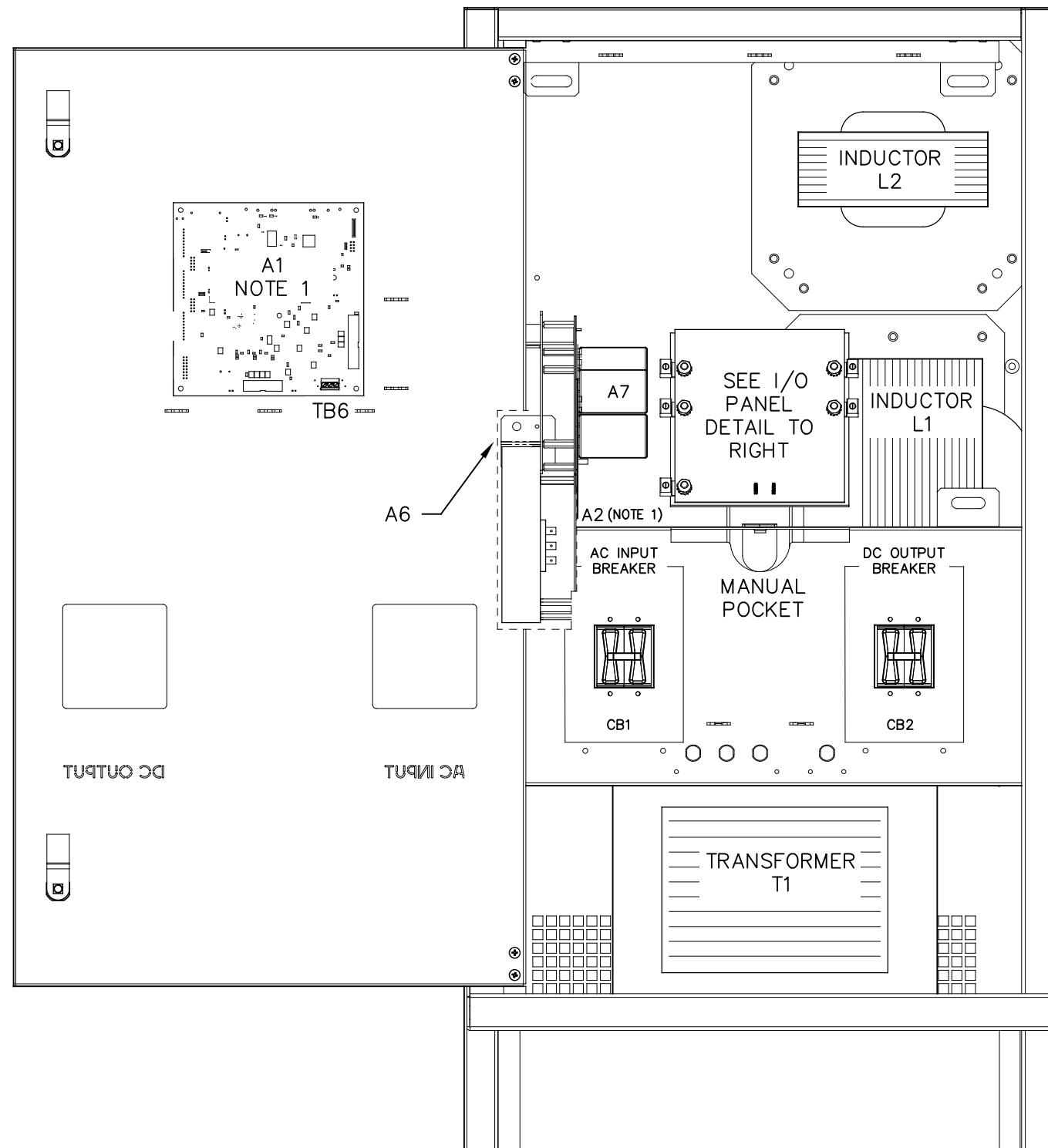
TITLE: **ATEVO BATTERY CHARGER**  
**OUTLINE: NEMA-1 STYLE-5070 ENCL**  
**1Ø W/O OPTIONS 16-25A**

SCALE: **B** 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.

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

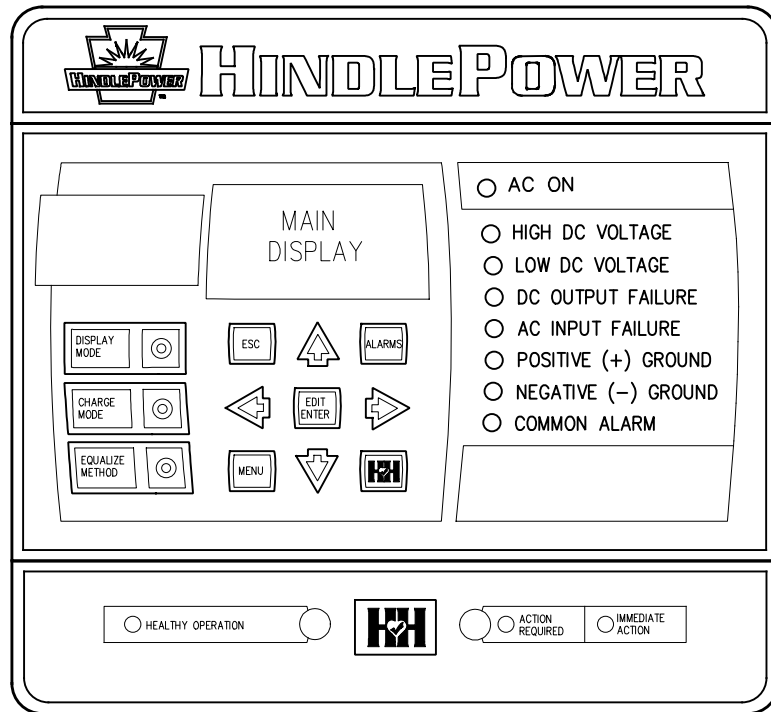
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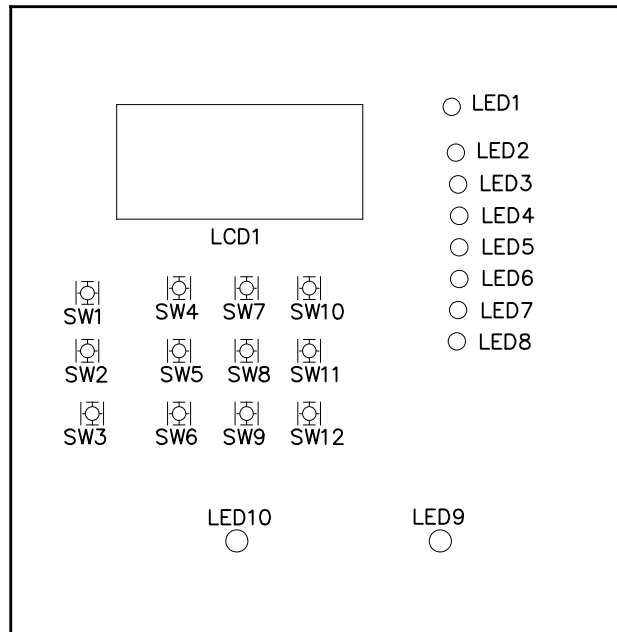
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 INTERNAL COMPONENT LAYOUT: STYLE-5070  
 1Ø W/O OPTIONS 16-25A**

**B** SCALE: NTS DWG No: **JE5310-05**

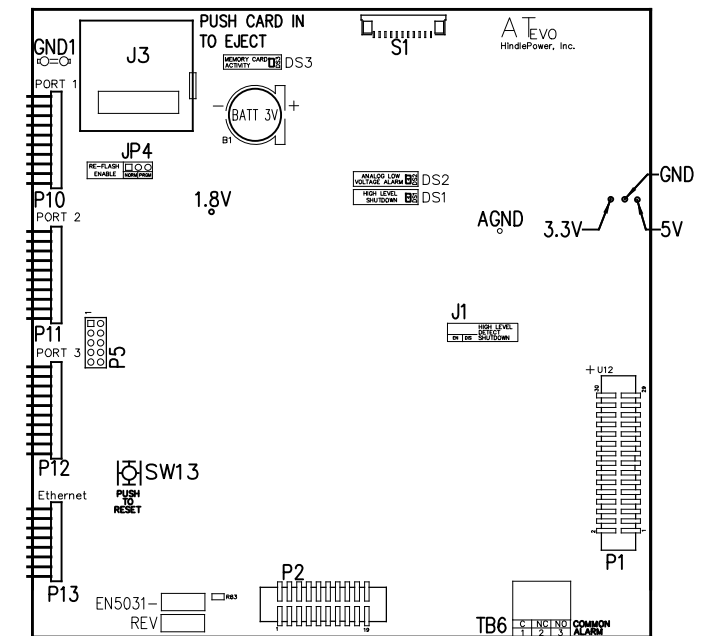
REV: 0 SHEET: 1 OF 1



**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):**

- LED1 - GREEN - AC ON
- LED2 - RED - HIGH DC VOLTAGE ALARM
- LED3 - RED - LOW DC VOLTAGE ALARM
- LED4 - RED - DC OUTPUT FAILURE ALARM
- LED5 - RED - AC INPUT FAILURE ALARM
- LED6 - RED - POSITIVE (+) GROUND ALARM
- LED7 - RED - NEGATIVE (-) GROUND ALARM
- LED8 - RED - COMMON ALARM
- LED9 - RED - ACTION REQUIRED ALARM
- LED10 - GREEN - HEALTHY OPERATION
- DS1 - RED - HIGH LEVEL SHUTDOWN (HLD)
- DS2 - RED - ANALOG LOW VOLTAGE ALARM (LLD)
- DS3 - RED - MEMORY CARD ACTIVITY

**JUMPERS:**

- J1 - ANALOG HIGH VOLTAGE SHUTDOWN JUMPER
- J3 - SD CARD PORT
- JP4 - RE-FLASH (FIELD PROGRAMMING) JUMPER
- TERMINAL BLOCKS:
- TB6 - COMMON ALARM RELAY CONTACTS
- TEST POINTS:
- 1.8V - 1.8 VOLTS
- 3.3V - 3.3 VOLTS
- 5V - 5.0 VOLTS
- GND - GROUND
- AGND - ANALOG GROUND
- SDA - MAIN BOARD I2C DATA
- SCL - MAIN BOARD I2C CLOCK

**SWITCHES:**

- S1 - DISPLAY BUTTON
- S2 - CHARGE MODE BUTTON
- S3 - EQUALIZE METHOD BUTTON
- S4 - ESCAPE (ESC) BUTTON
- S5 - LEFT ARROW BUTTON
- S6 - MENU BUTTON
- S7 - UP ARROW BUTTON
- S8 - EDIT / ENTER BUTTON
- S9 - DOWN ARROW BUTTON
- S10 - ALARM BUTTON
- S11 - RIGHT ARROW BUTTON
- S12 - HINDLE HEALTH (HHS) BUTTON
- SW13 - SYSTEM RESET BUTTON (BACK OF BOARD)

**CONNECTORS:**

- P1 - POWER BOARD RIBBON
- P2 - 3 PHASE RECTIFIER RIBBON
- P3 - USB EXPANSION PORT
- P4 - SPI & I2C EXPANSION PORT #1
- P5 - SPI & I2C EXPANSION PORT #2
- P6 - DISPLAY SPI PORT
- P7 - DISPLAY JTAG PORTS
- P10 - SERIAL INTERFACE PORT #1
- P11 - SERIAL INTERFACE PORT #2
- P12 - SERIAL INTERFACE PORT #3
- P13 - ETHERNET INTERFACE PORT
- P17 - GENERAL EXPANSION PORT

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

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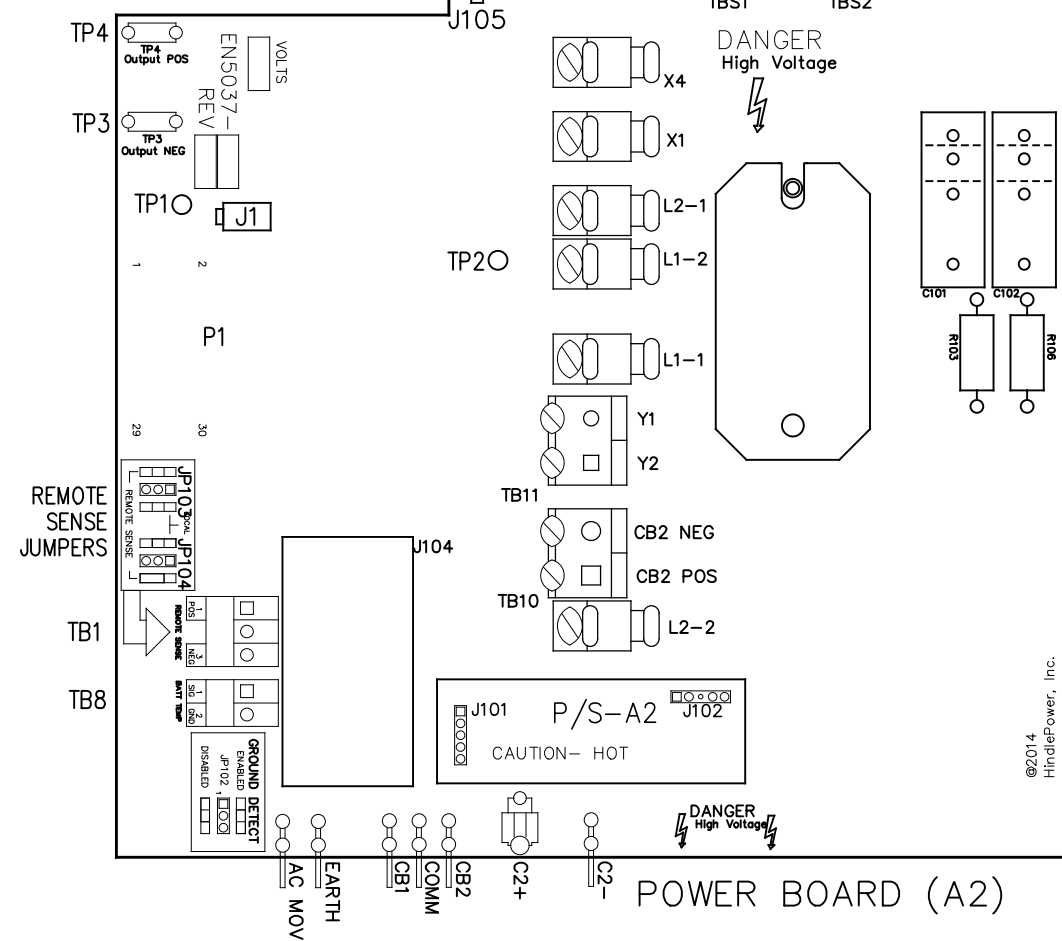
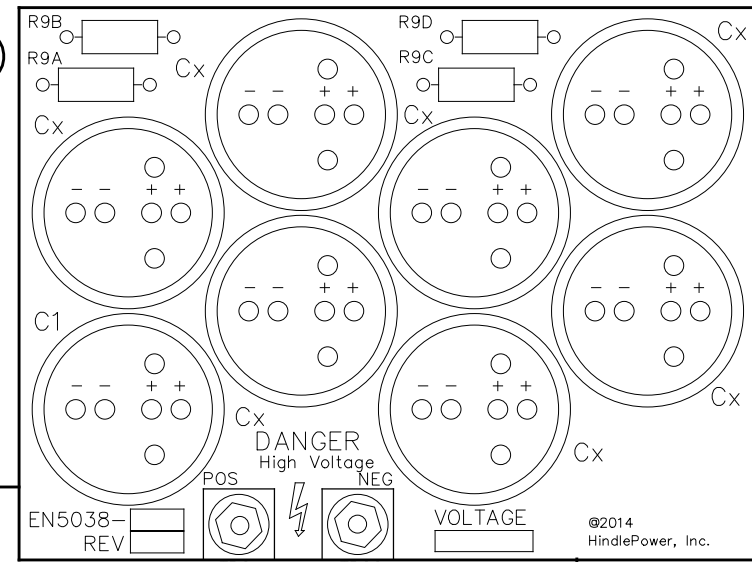
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TITLE  
**ATEVO BATTERY CHARGER  
CONTROL PANEL / PC BOARD DETAIL  
1Ø W/O OPTIONS 16-25A**

SCALE DWG No  
**B** NTS 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

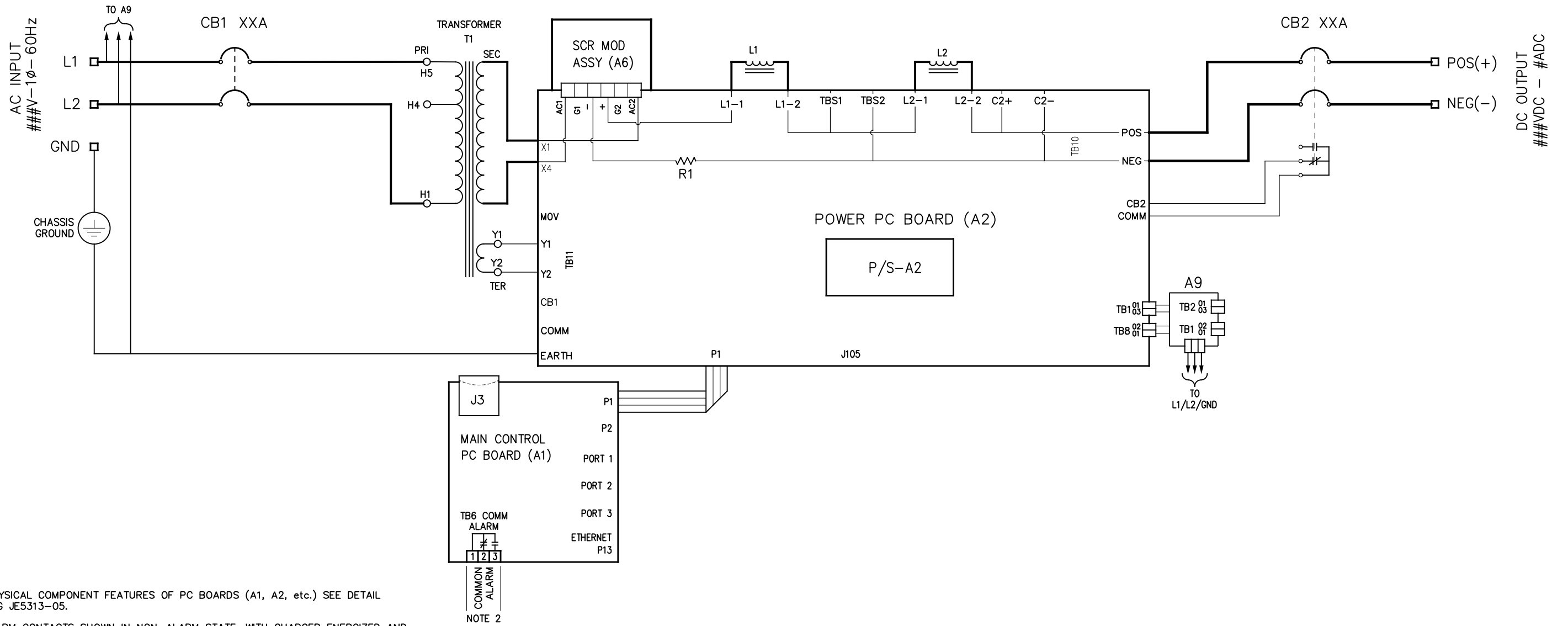
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ECN NO. N/A					APP BY MCR	DATE: 10/29/2021

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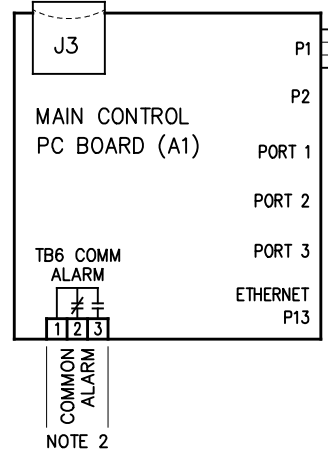
TITLE  
**ATEVO BATTERY CHARGER  
CONTROL PANEL / PC BOARD DETAIL  
1Ø W/O OPTIONS 16-25A**

**B** SCALE NTS DWG No **JE5313-05** REV 0 SHEET 2 OF 2

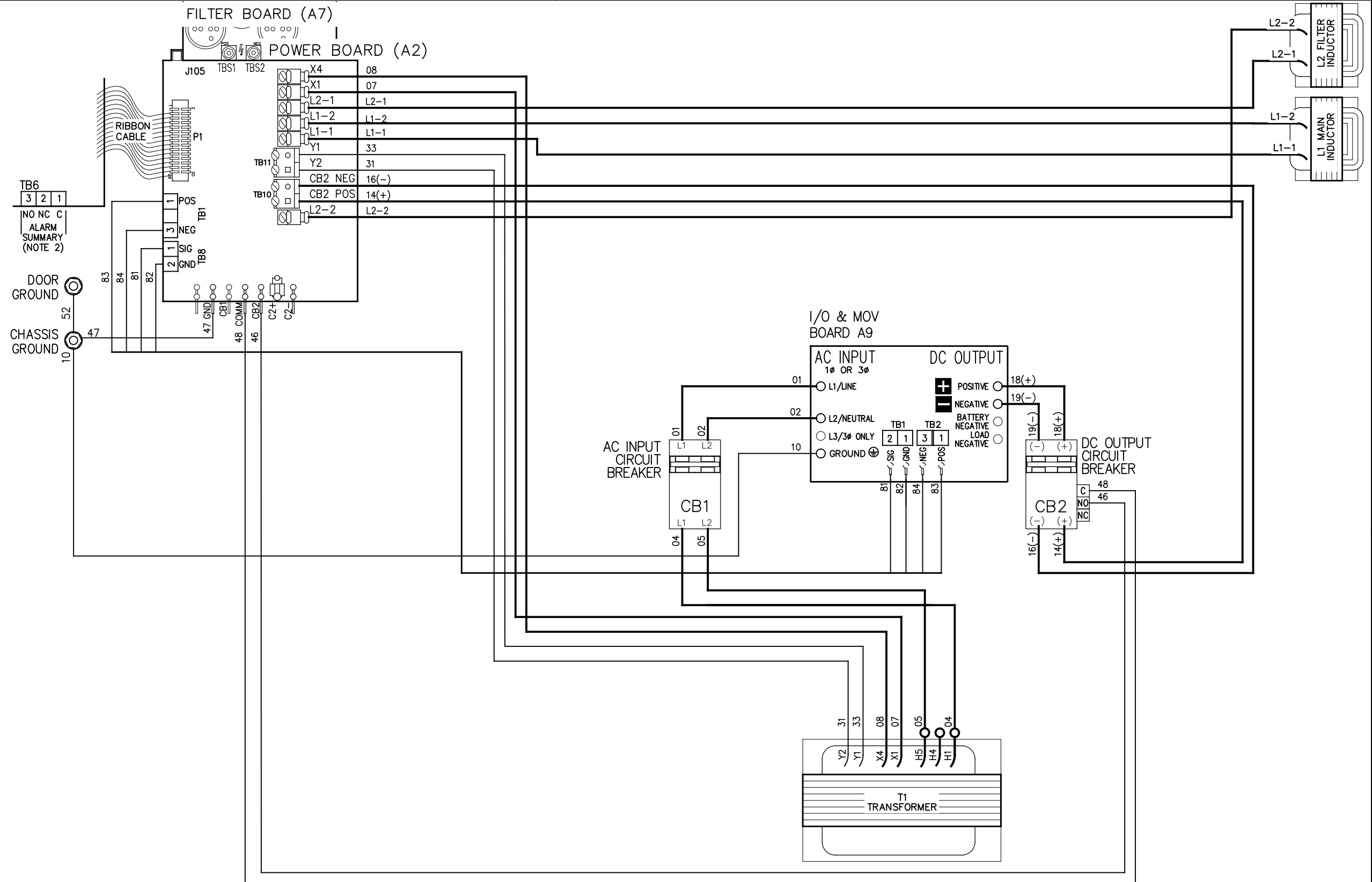


NOTES:

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.



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



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	<p><b>HINDLEPOWER</b></p> <p>1075 Saint John Street Easton, PA 18042-6661 PH 610-330-9000 FAX 610-330-8510 www.hindlepowerinc.com</p>			
DESCRIPTION STANDARD DRAWINGS.					CHK BY MCR	DATE: 10/29/2021				
ECN NO. N/A					APP BY MCR	DATE: 10/29/2021				
TITLE <b>ATEVO BATTERY CHARGER CONNECTION DIAGRAM: STYLE 5070 1Ø W/O OPTIONS 16-25A</b>							SCALE NTS	DWG No <b>JE5312-05</b>	REV 0	SHEET 1 OF 1