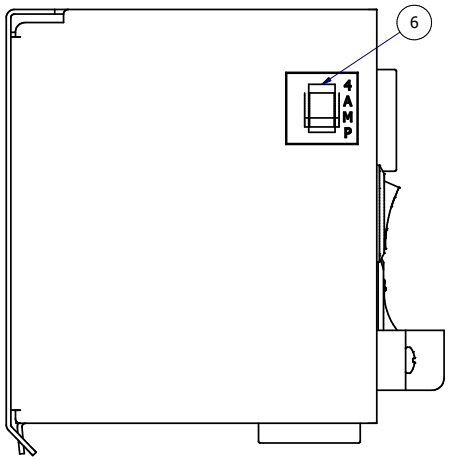
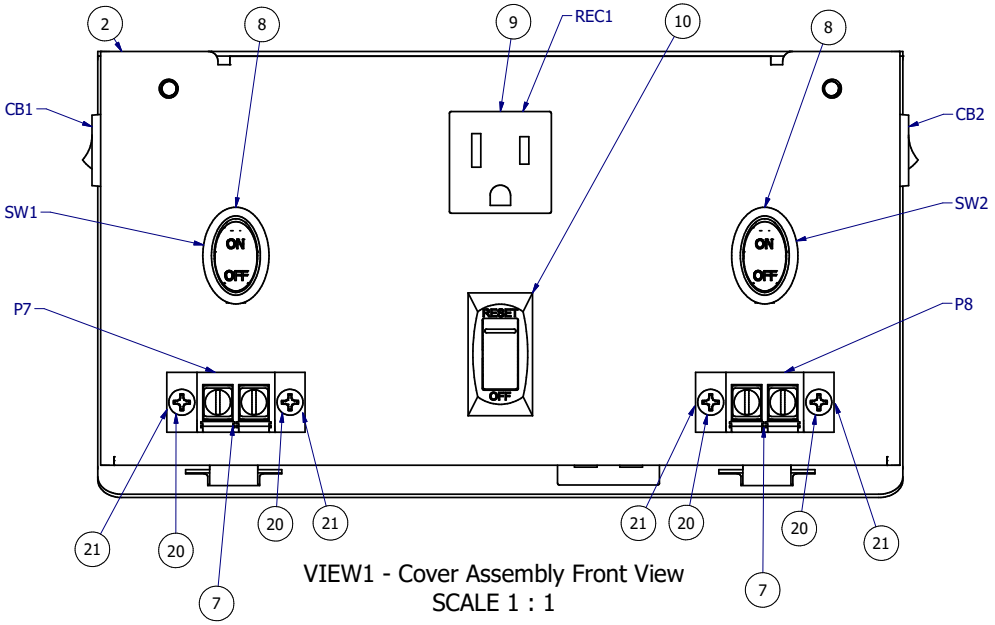
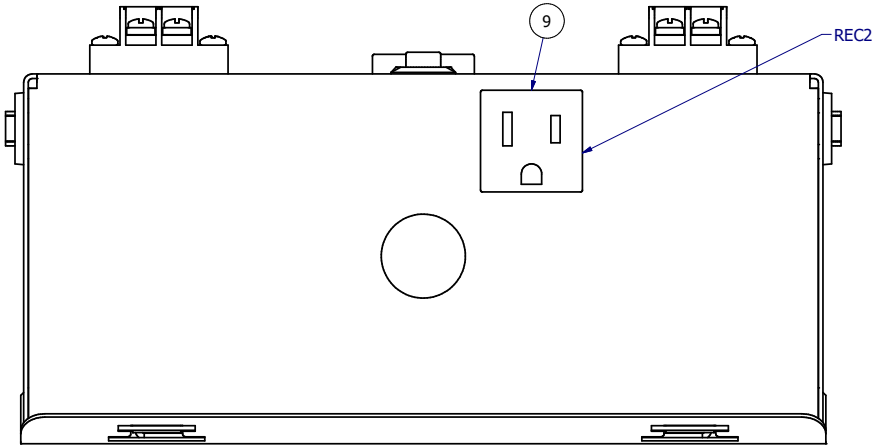


VIEW2 - Cover Assembly Side View
SCALE 1 : 1



VIEW1 - Cover Assembly Front View
SCALE 1 : 1



VIEW3 - Cover Assembly Bottom View
SCALE 1 : 1

Assembly Notes	
Step	Description
1	Snap item #6 into the enclosure cover (item #2) as shown in View2
2	Snap item #8 into the enclosure cover (item #2) as shown in View1
3	Snap item #9 into the enclosure cover (item #2) as shown in View1 & View3
4	Snap item #10 into the enclosure cover (item #2) as shown in View1
5	Mount Item #7 into the enclosure cover (item #2) with screws (item #20) and lock nuts (item #21) as shown in View1

Bill of Materials

Item	Qty	Part Number	Description	Stock Number
2	1	30E10361G00	8.373" x 4.361" x 3.859" Steel Enclosure For Double Enclosed Power Supply, (Beaver Steel # CM100VADE) - Cover (No Mods)	30E10361G00
6	2	10H90026H01	Circuit Breaker Thermal 4A 250 V AC 32 V DC Push to Reset Panel Mount (W28-XQ1A-4)	10H90026H01
7	2	10H90031H01	External Terminal Block (BC6-Q308-02)	10H90031H01
8	2	10H90029H01	Illuminated Rocker Switch (LAMB RE T125/55)	10H90029H01
9	2	10H90025H01	Panel-Mount Straight-Blade Receptacle (7168K1)	10H90025H01
10	1	10H90027H01	Thermal Circuit Breaker Switch, 250 V, 32 V, 10 A, 1 Pole, Panel (C-1005B)	10H90027H01
20	4	10H30023H01	#6-32, 1/2" Long, 18-8 SS, PAN HEAD PHILLIPS MACHINE SCREW (MCM # 91772A148)	SC #6-32 X 1/2-SS
21	4	10H80008H01	#6-32, 9/64" THK, Zinc Plated Steel Locknut with External-Tooth Lock Washer, (MCM # 90675A007)	MS Locknut #6-32

REV	DATE	DESCRIPTION	CHGD BY	APVD BY
2	3/1/24	Added an additional receptacle	CB	CB

REVISION HISTORY

TOLERANCE
X.X +/- 0.040 [1.00]
X.XX +/- 0.010 [0.25]
X.XXX +/- 0.005 [0.13]
X.XXXX +/- 0.001 [0.03]
ANGLES +/- 0.5 DEG
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Modeled By: cbunnell
Approved By: cbunnell
Created On: 6/15/2022

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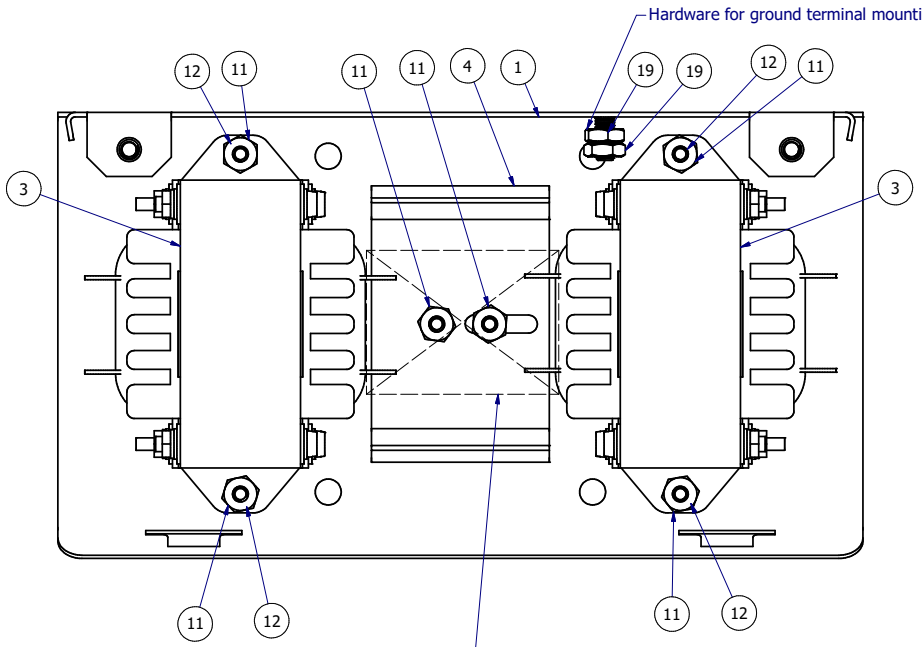
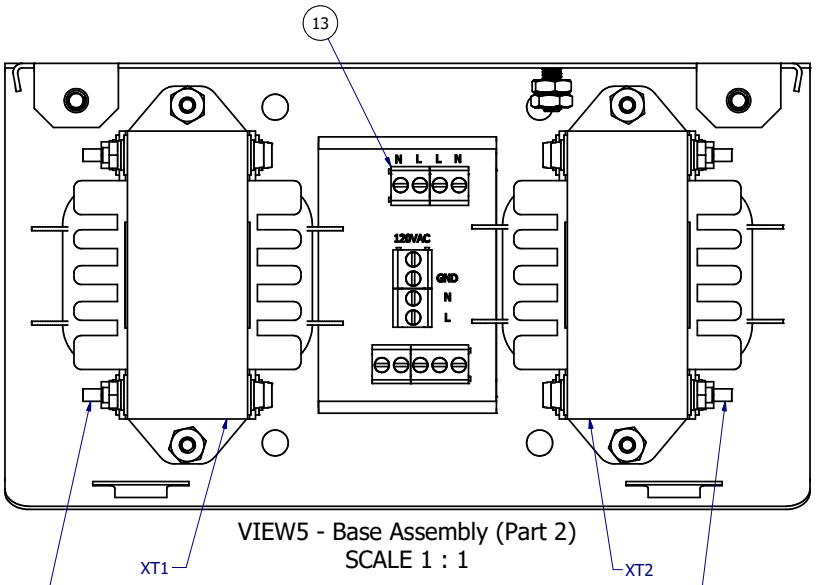
Description: EPS - 8.373" x 4.361" x 3.859" Steel Enclosure, (Beaver Steel # CM100VADE) - 100VA Dual Final Assembly (All Options)

Rev #:	Size:	Scale:	Part Number:
2	C	N/A	30E90013G01



VIEW4 - Base Assembly (Part 1)
SCALE 1 : 1



VIEW5 - Base Assembly (Part 2)
SCALE 1 : 1

Assembly Notes	
Step	Description
1	Mount the PCB Snap Track (item #4) to the enclosure base (item #1). Use Nut (item #11) to secure in place as shown in View4. Place 1.5" x 2.0" Electrical Insulating Tape over the studs and stick it to the PCB track, completely covering the studs.
2	Snap the PCBA (item #13) into the snap track (item #4) as shown in View5.
3	Mount the Transformer (item #3) to the enclosure base (item #1). Use both lockwasher (item #12) & Nut (item #11) to secure in place (2 places) as shown in View4.

Bill of Materials				
Item	Qty	Part Number	Description	Stock Number
1	1	30E10360G00	8.373" x 4.361" x 3.859" Steel Enclosure For Double Enclosed Power Supply, (Beaver Steel # CM100VADE) - Base (No Mods)	30E10360G00
3	2	10H90030H01	100VA, 120VAC (60Hz) Primary, 24VAC (60Hz) Secondary x1, 1HP Transformer	TF100AC1-120-24 PREPPED
4	1	10H90024H03	PCB Snap Track - 1.85in Long (1-1437685-3)	10H90024H03
11	6	10H80005H01	#8-32, 1/8"" THK, Zinc Plated STEEL HEX NUT, (MCM # 90480A009)	10H80005H01
12	4	10H40014H01	#8, 0.040" THK, Zinc Plated STEEL SPLIT LOCK WASHER (MCM # 91102A009)	SC #8 LOCK WASHER
13	1	10E90015G02	EPS Enclosure 100VA PCBA	PCBA 10E90015G02 EPS
19	2	10H80007H01	#10-32 , 1/8" Thk, Zinc-Plated Steel Serrated Locknut (MCM # 91762A130)	MS Locknut #10-32

TOLERANCE
X.X +/- 0.040 [1.00]
X.XX +/- 0.010 [0.25]
X.XXX +/- 0.005 [0.13]
X.XXXX +/- 0.001 [0.03]
ANGLES +/- 0.5 DEG
UNLESS OTHERWISE SPECIFIED

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Approved By: cbunnell
Created On: 6/15/2022

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Description: EPS - 8.373" x 4.361" x 3.859" Steel Enclosure, (Beaver Steel # CM100VADE) - 100VA Dual Final Assembly (All Options)

Rev #:	Size:	Scale:	Part Number:
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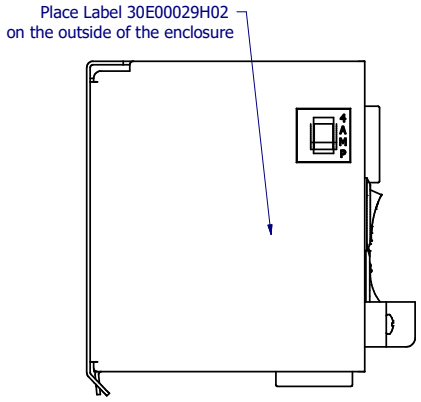
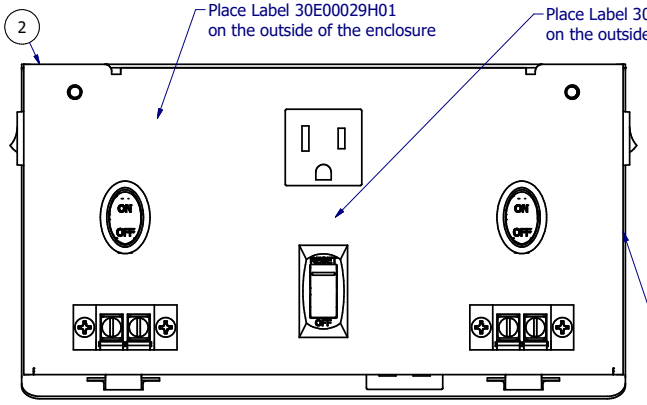
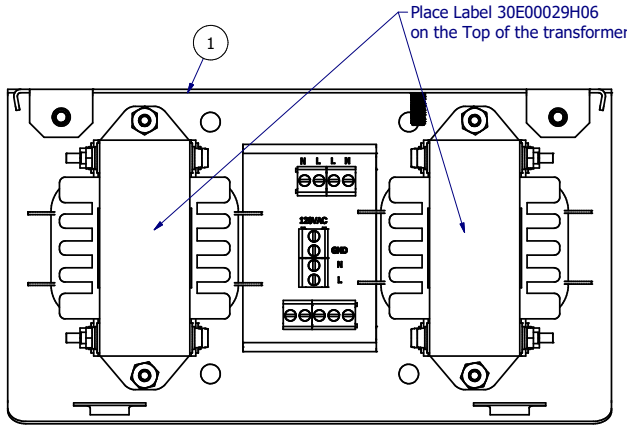


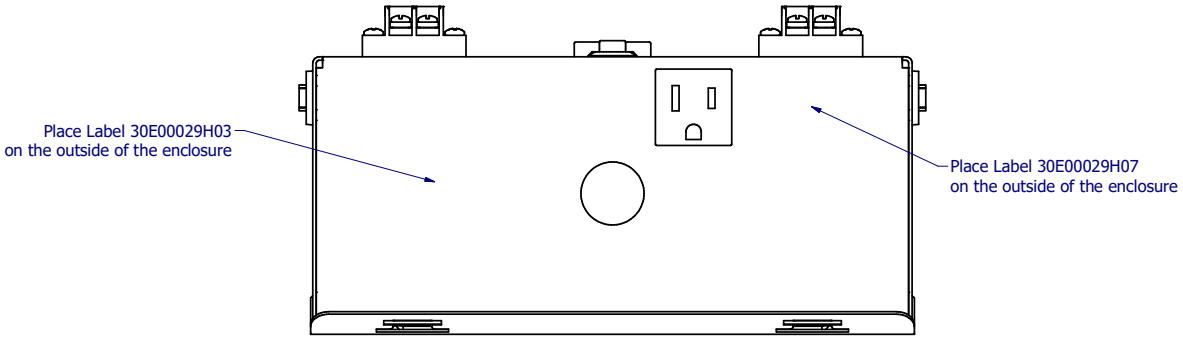
VIEW7 - Side View
SCALE 3/4



VIEW6 - Front View
SCALE 3/4



VIEW8 - Front View (Cover Off)
SCALE 3/4



VIEW9 - Bottom View
SCALE 3/4

Assembly Notes	
Step	Description
1	Wire the panel per the wiring table.
2	Add zip ties in the locations shown in the "Wire Tie Locations" Sheet.
3	Print out labels from the label data base using the catalog number on the BOM. Place all paperwork and enclosure hardware in the enclosure.
4	Box with ULINE xxx. This box is located and labled downstairs in B along the stairwell wall (if you have a hard time finding it, Clay will know where to find these).

Bill of Materials

Item	Qty	Part Number	Description	Stock Number
1	1	30E10360G00	8.373" x 4.361" x 3.859" Steel Enclosure For Double Enclosed Power Supply, (Beaver Steel # CM100VADE) - Base (No Mods)	30E10360G00
2	1	30E10361G00	8.373" x 4.361" x 3.859" Steel Enclosure For Double Enclosed Power Supply, (Beaver Steel # CM100VADE) - Cover (No Mods)	30E10361G00

TOLERANCE
X.X +/- 0.040 [1.00]
X.XX +/- 0.010 [0.25]
X.XXX +/- 0.005 [0.13]
X.XXXX +/- 0.001 [0.03]
ANGLES +/- 0.5 DEG
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Approved By: cbunnell
Created On: 6/15/2022

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Description: EPS - 8.373" x 4.361" x 3.859" Steel Enclosure, (Beaver Steel # CM100VADE) - 100VA Dual Final Assembly (All Options)

Rev #:	Size:	Scale:	Part Number:
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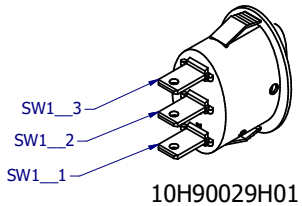

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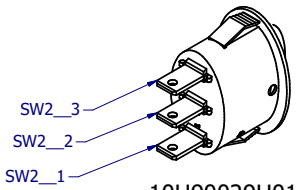

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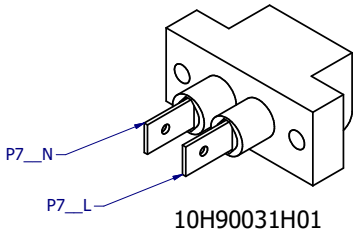

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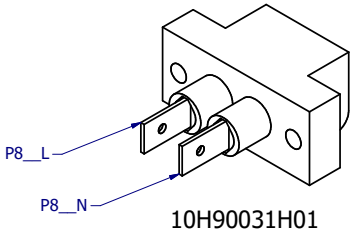

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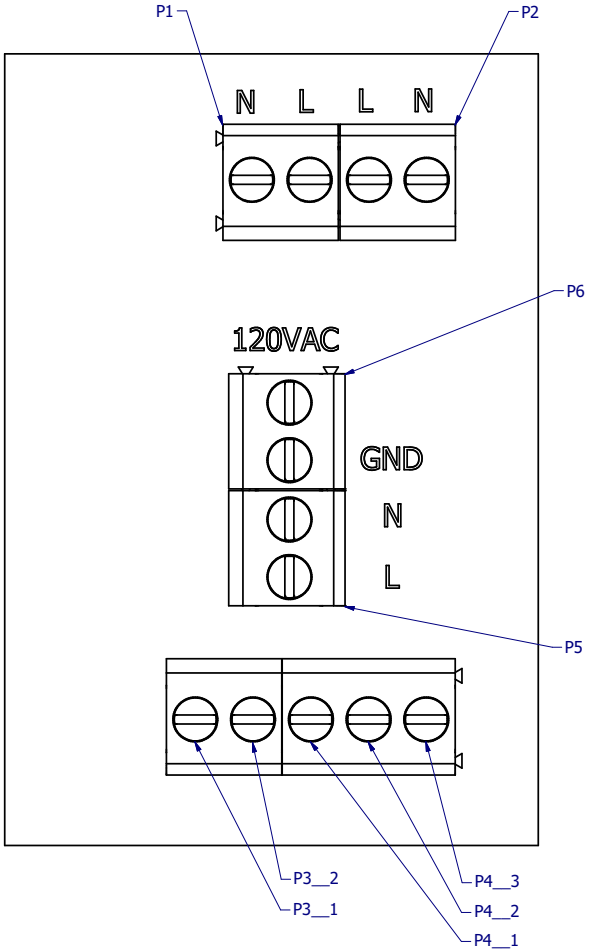

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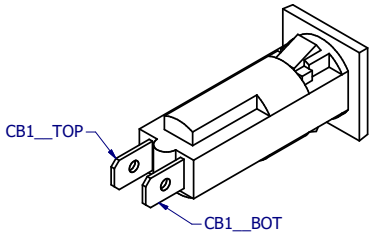

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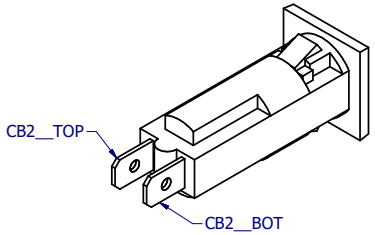

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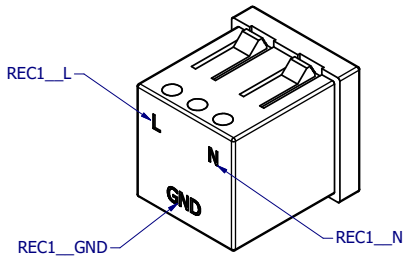

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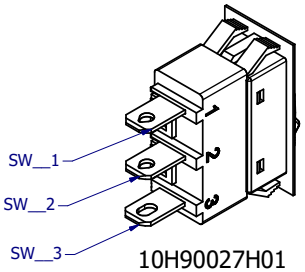

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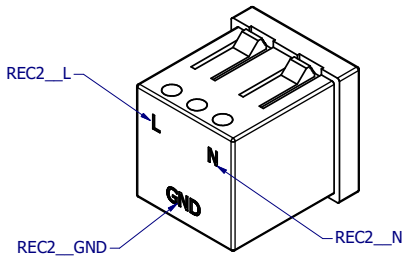

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TOLERANCE X.X +/- 0.040 [1.00] X.XX +/- 0.010 [0.25] X.XXX +/- 0.005 [0.13] X.XXXX +/- 0.001 [0.03] ANGLES +/- 0.5 DEG UNLESS OTHERWISE SPECIFIED	Units: in [mm]	c3controls® P.O. BOX 496 BEAVER, PA 15009 www.c3controls.com			
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	Modeled By: cbunnell				
	Approved By: cbunnell				
	Created On: 10/23/2023	Rev #: 2	Size: C	Scale: N/A	Part Number: 10E90015G02

TOLERANCE
X.X +/- 0.040 [1.00]
X.XX +/- 0.010 [0.25]
X.XXX +/- 0.005 [0.13]
X.XXXX +/- 0.001 [0.03]
ANGLES +/- 0.5 DEG
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Units: in [mm]

Drawn By: cbunnell

Modeled By:

Approved By: cbunnell

Created On:

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Description: Wire Tie Locations

Rev #:	Size:	Scale:	Part Number:
2	C	N/A	

COMPONENT INFO			
TERMINAL / SCREW LOCATION	TORQUE (LBF-IN)	WIRE SIZE (AWG)	STRIP LENGTH (IN)
Transformer Mounting	20	N/A	N/A
PCB Snap Track Mounting	7	N/A	N/A
PCB Terminal Blocks	4.5	24-12	0.28

TOLERANCE
X.X +/- 0.040 [1.00]
X.XX +/- 0.010 [0.25]
X.XXX +/- 0.005 [0.13]
X.XXXX +/- 0.001 [0.03]
ANGLES +/- 0.5 DEG
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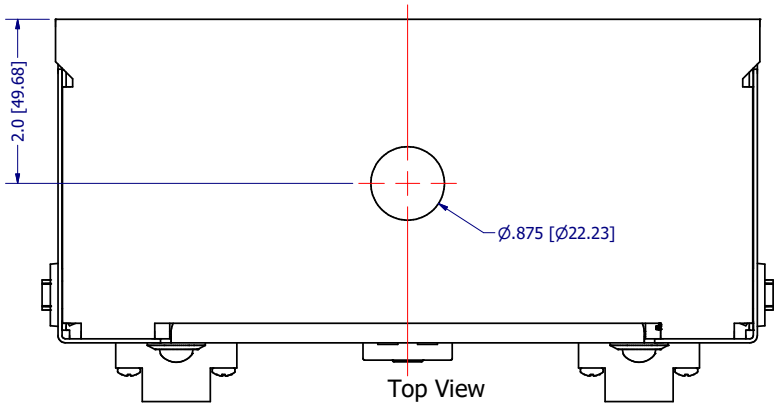
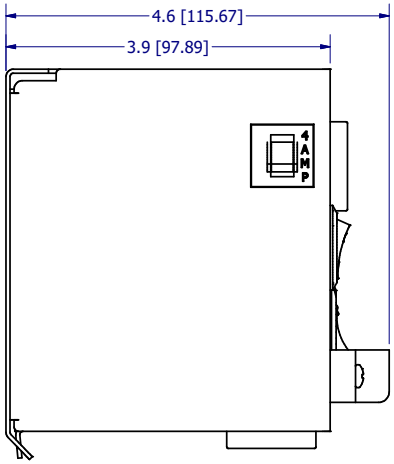
Description:

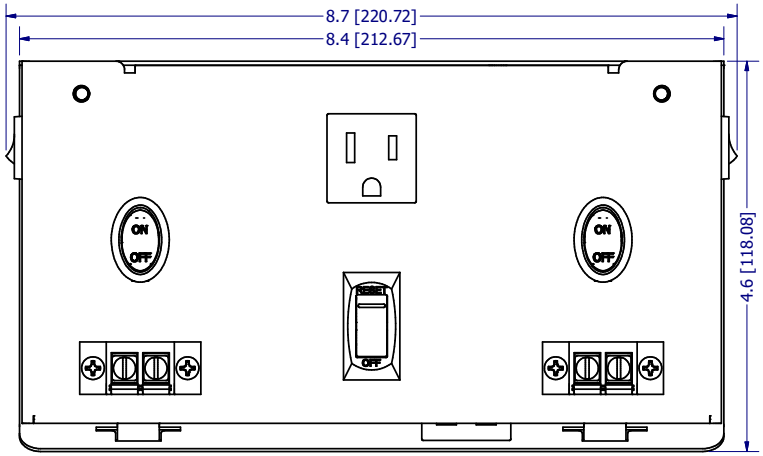
Rev #:	Size:	Scale:	Part Number:
2	C	N/A	



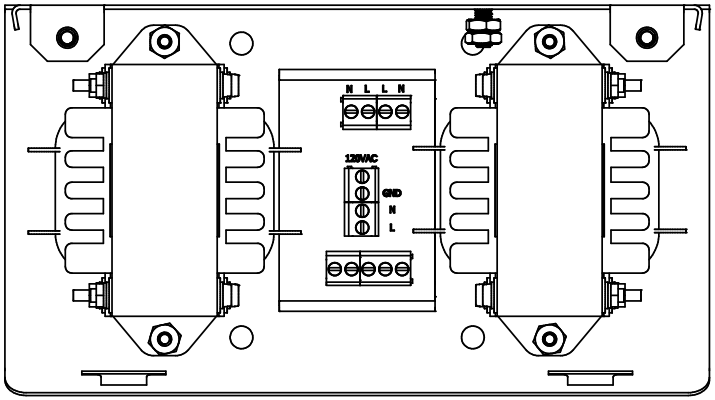
Top View
SCALE 7/8



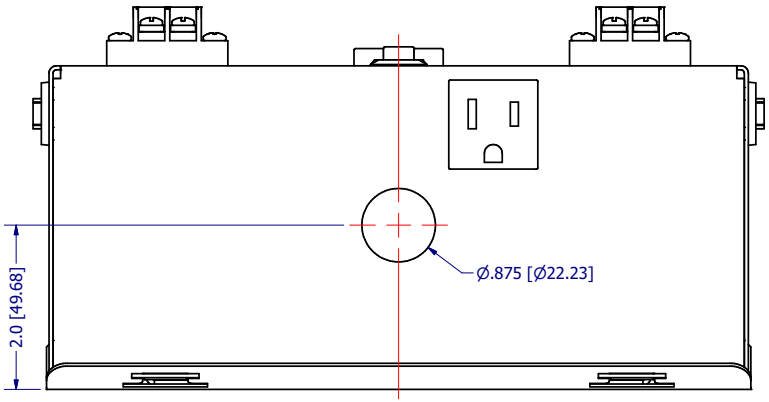
Side View
SCALE 7/8



Front View
SCALE 7/8



Front View (Cover Off)
SCALE 7/8



Bottom View
SCALE 7/8

TOLERANCE
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X.XX +/- 0.010 [0.25]
X.XXX +/- 0.005 [0.13]
X.XXXX +/- 0.001 [0.03]
ANGLES +/- 0.5 DEG
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Modeled By: cbunnell
Approved By: cbunnell
Created On: 6/15/2022

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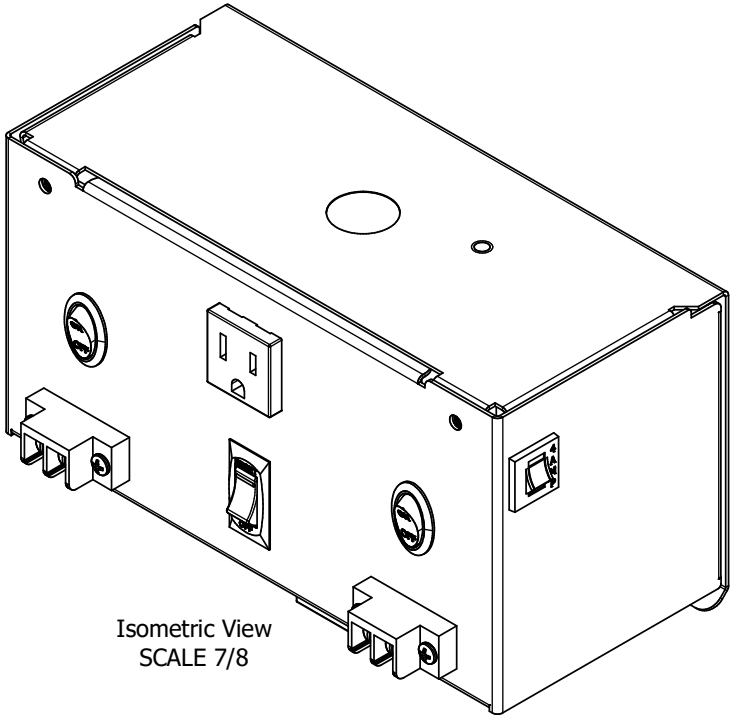
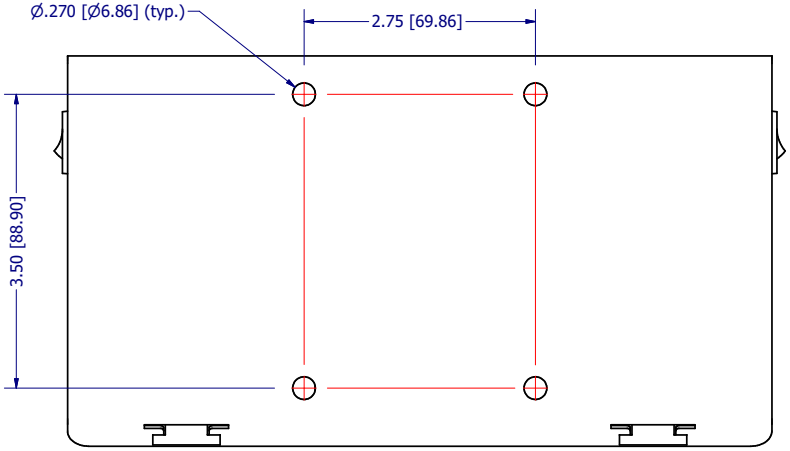
Description: EPS - 8.373" x 4.361" x 3.859" Steel Enclosure, (Beaver Steel # CM100VADE) - 100VA Dual Final Assembly (All Options)

Rev #:	Size:	Scale:	Part Number:
2	C	N/A	30E90013G01



Isometric View
SCALE 7/8



Back View
SCALE 7/8

TOLERANCE X.X +/- 0.040 [1.00] X.XX +/- 0.010 [0.25] X.XXX +/- 0.005 [0.13] X.XXXX +/- 0.001 [0.03] ANGLES +/- 0.5 DEG UNLESS OTHERWISE SPECIFIED	Units: in [mm]	c3controls® P.O. BOX 496 BEAVER, PA 15009 www.c3controls.com			
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	Created On: 6/15/2022	Rev #: 2	Size: C	Scale: N/A	Part Number: 30E90013G01