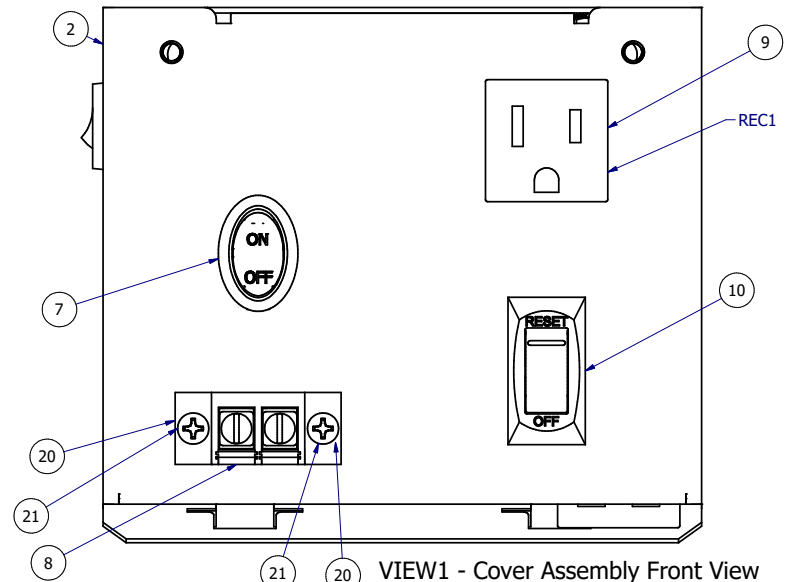
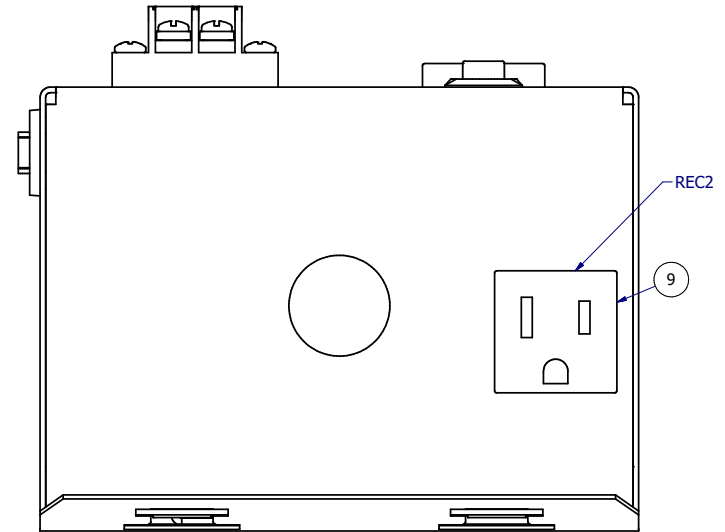


VIEW2 - Cover Assembly Side View  
SCALE 1.2 : 1



VIEW1 - Cover Assembly Front View  
SCALE 1.2 : 1




VIEW3 - Cover Assembly Bottom View  
SCALE 1.2 : 1

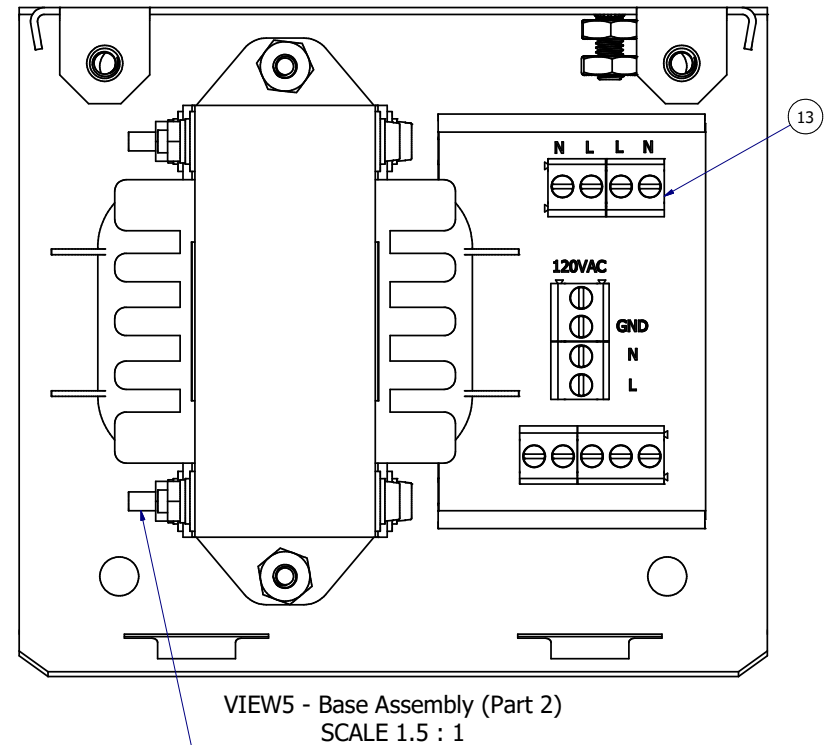
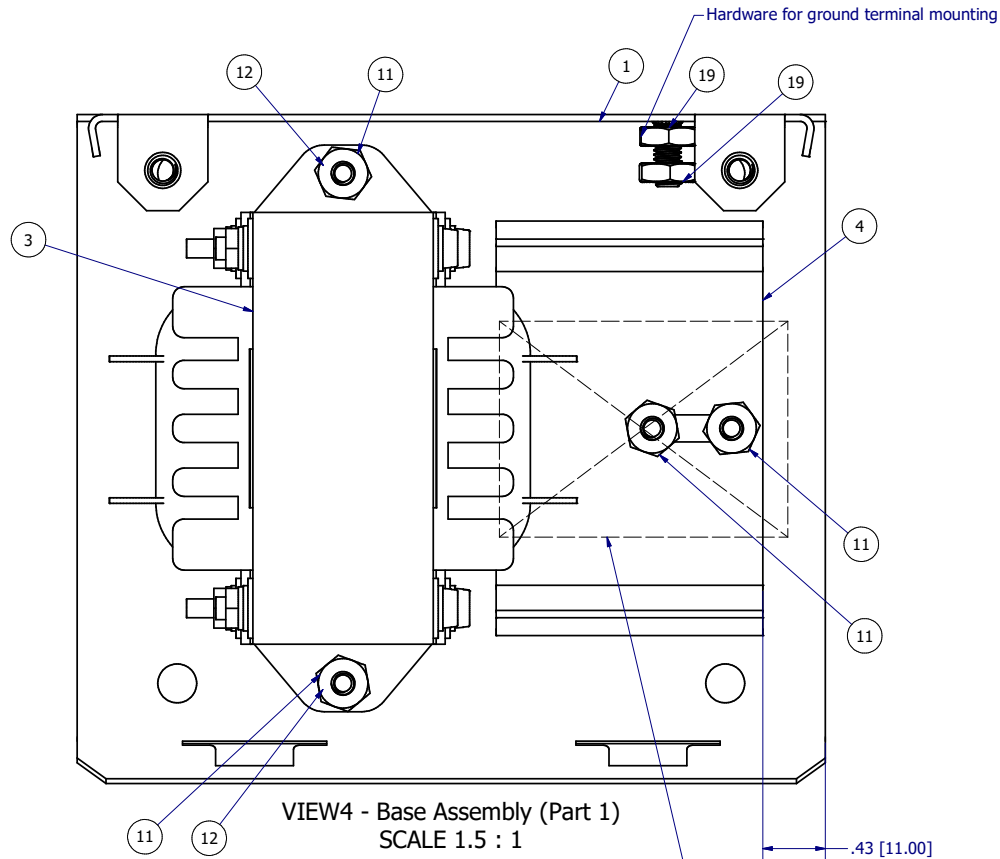
#### Assembly Notes

Step	Description
1	Snap item #6 into the enclosure cover (item #2) as shown in View2
2	Snap item #7 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 #8 into the enclosure cover (item #2) with screws (item #21) and lock nuts (item #20) as shown in View1

#### Bill of Materials

Item	Qty	Part Number	Description	Stock Number
2	1	30E10357G00	5.188" x 4.361" x 3.859" Steel Enclosure For Single Enclosed Power Supply, (Beaver Steel # CM100VASE) - Cover (No Mods)	30E10357G00
6	1	10H90026H01	Circuit Breaker Thermal 4A 250 V AC 32 V DC Push to Reset Panel Mount (W28-XQ1A-4)	10H90026H01
7	1	10H90029H01	Illuminated Rocker Switch (LAMB RE T125/55)	10H90029H01
8	1	10H90031H01	External Terminal Block (BC6-Q308-02)	10H90031H01
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	2	10H80008H01	#6-32, 9/64" THK, Zinc Plated Steel Locknut with External-Tooth Lock Washer, (MCM # 90675A007)	MS Locknut #6-32
21	2	10H30023H01	#6-32, 1/2" Long, 18-8 SS, PAN HEAD PHILLIPS MACHINE SCREW (MCM # 91772A148)	SC #6-32 X 1/2-SS

2	3/1/24	Added an additional receptacle		CB	CB
REV	DATE	DESCRIPTION		CHGD BY	APVD BY
REVISION HISTORY					
<div>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</div>		<div>Units: in [mm]</div>	<div> P.O. BOX 496 BEAVER, PA 15009 <a href="http://www.c3controls.com">www.c3controls.com</a></div> <div>Description: EPS - 5.188" x 4.361" x 3.859" Steel Enclosure, (Beaver Steel # CM100VASE) - 100VA Single Final Assembly (All Options)</div>		
This drawing is the property of c3controls. This drawing may not be copied, used or disclosed, for any purpose except as authorized in writing by c3controls.		<div>Drawn By: cbunnell</div>			
		<div>Modeled By: cbunnell</div>			
		<div>Approved By: cbunnell</div>			
Created On: 6/15/2022		Rev #: 2	Size: C	Scale: N/A	Part Number: 30E90012G01



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	30E10356G00	5.188" x 4.361" x 3.859" Steel Enclosure For Single Enclosed Power Supply, (Beaver Steel # CM100VASE) - Base (No Mods)	30E10356G00
3	1	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	4	10H80005H01	#8-32, 1/8" THK, Zinc Plated STEEL HEX NUT, (MCM # 90480A009)	10H80005H01
12	2	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

This drawing is the property of c3controls. This drawing may not be copied, used or disclosed, for any purpose except as authorized in writing by c3controls.

**Units:**  
in [mm]

**Drawn By:**  
cbunnell

**Modeled By:**  
cbunnell

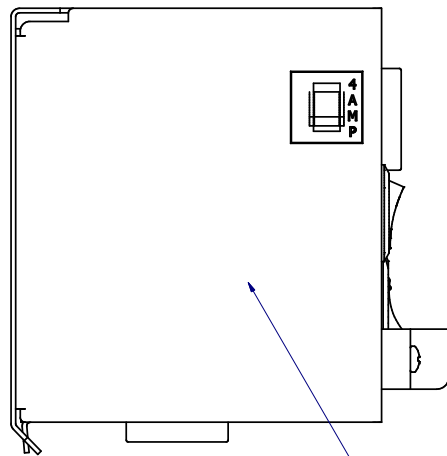
**Approved By:**  
cbunnell

**Created On:**  
6/15/2022

**c3controls**  
 P.O. BOX 496 BEAVER, PA 15009 www.c3controls.com

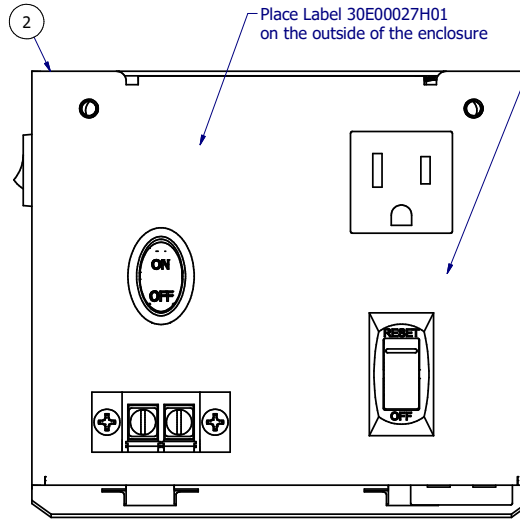
**Description:**  
 EPS - 5.188" x 4.361" x 3.859" Steel Enclosure,  
 (Beaver Steel # CM100VASE) - 100VA Single Final  
 Assembly (All Options)

**Rev #:** 2  
**Size:** C  
**Scale:** N/A  
**Part Number:** 30E90012G01



VIEW7 - Side View  
SCALE 1 : 1

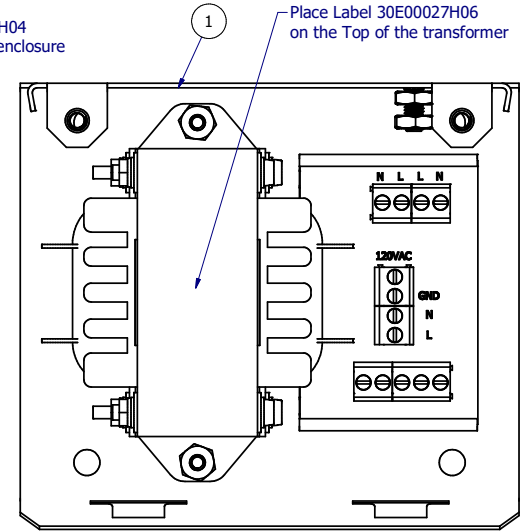
Place Label 30E00027H02  
on the outside of the enclosure



VIEW6 - Front View  
SCALE 1 : 1

Place Label 30E00027H01  
on the outside of the enclosure

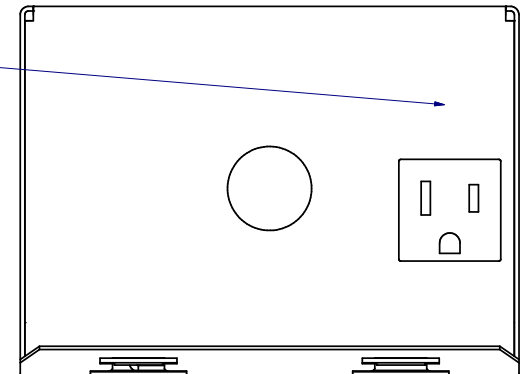
Place Label 30E00027H04  
on the outside of the enclosure



VIEW8 - Front View (Cover Off)  
SCALE 1 : 1

Place Label 30E00027H06  
on the Top of the transformer

Place Label 30E00027H03  
on the outside of the enclosure



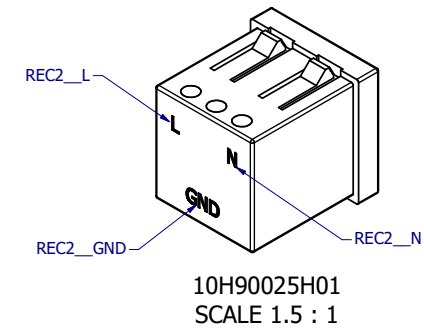
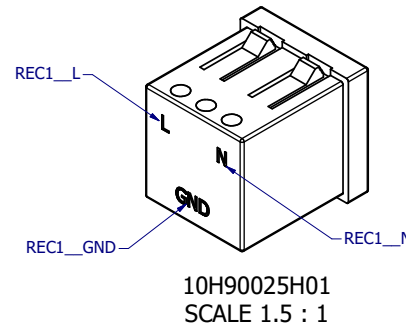
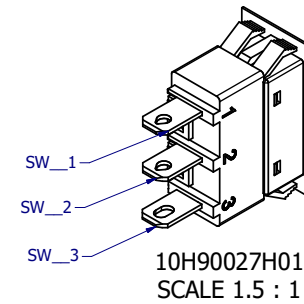
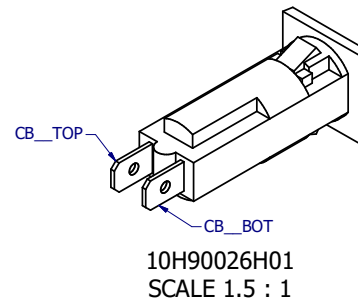
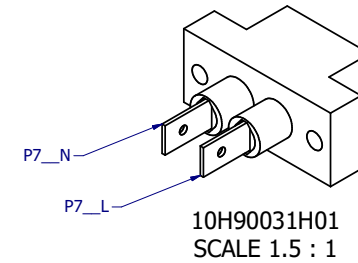
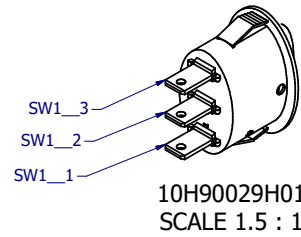
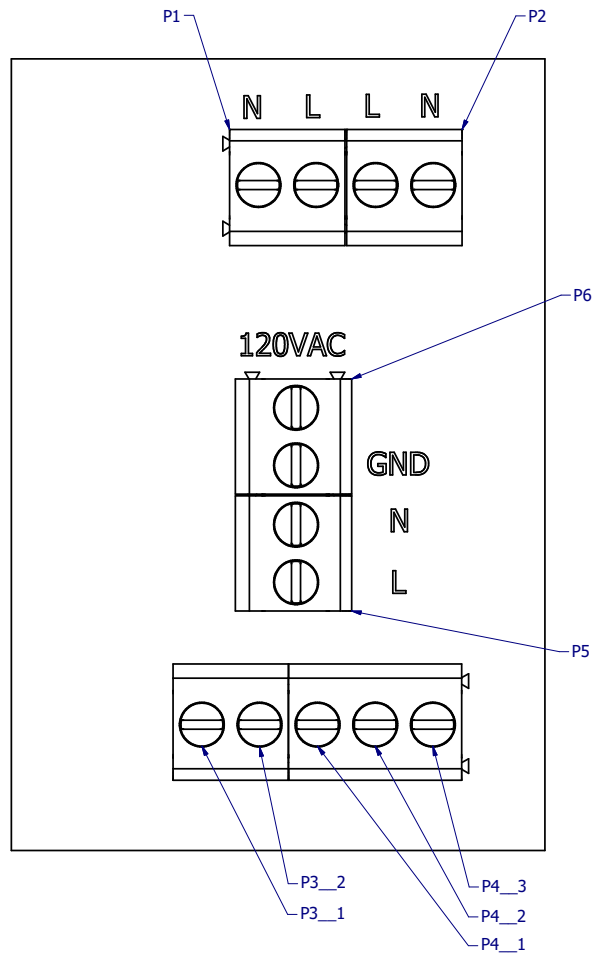
VIEW9 - Bottom View  
SCALE 1 : 1

Place Label 30E00027H07  
on the outside of the enclosure

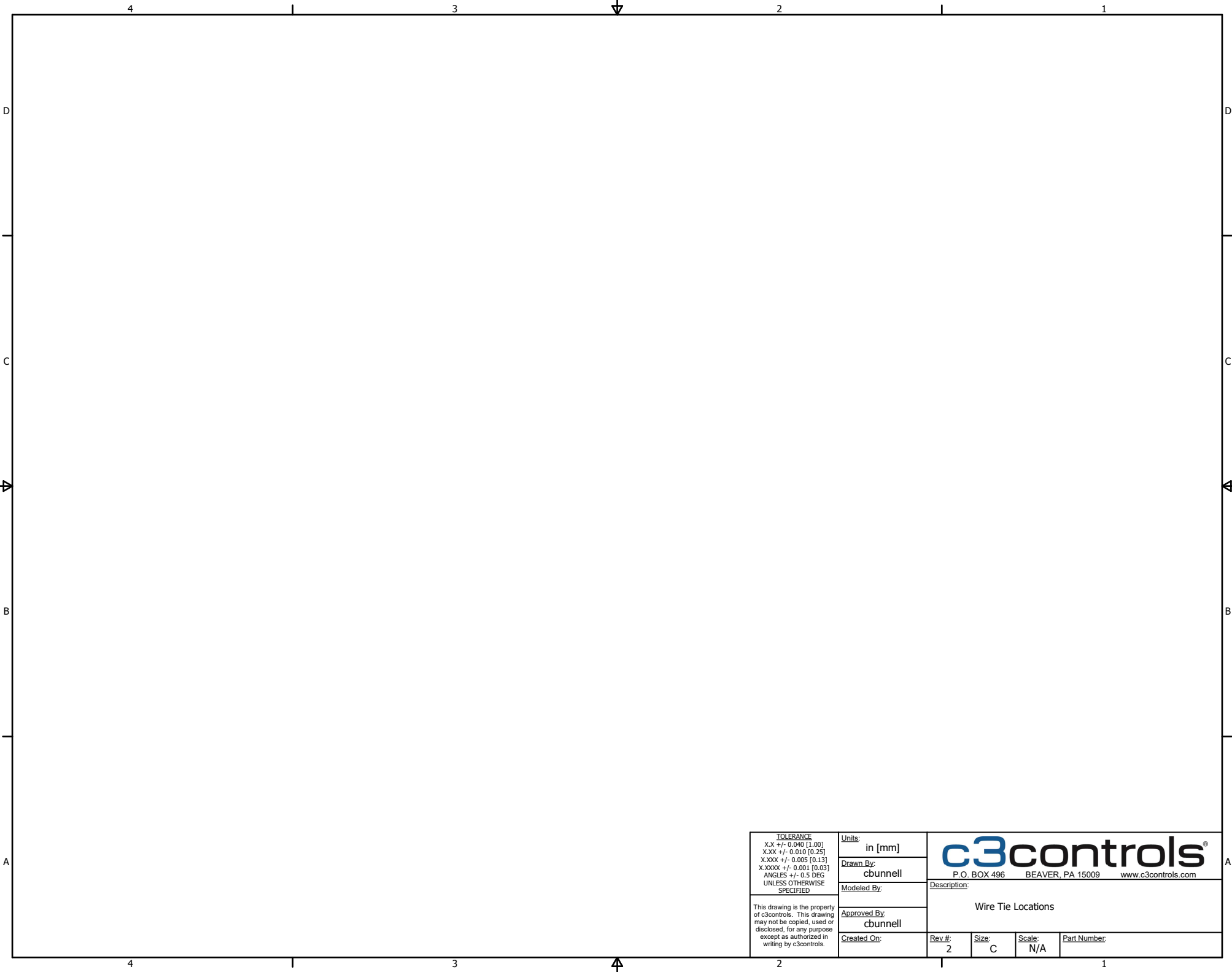
Assembly Notes	
Step	Description
1	Wire the panel per the wiring table.
2	Add zip ties in the locations shown in the "Wire Tie Locations" Sheet.
3	Print out labels from the label data base using the catalog number on the BOM. Place all paperwork and enclosure hardware in the enclosure.
4	Box with ULINE 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	30E10356G00	5.188" x 4.361" x 3.859" Steel Enclosure For Single Enclosed Power Supply, (Beaver Steel # CM100VASE) - Base (No Mods)	30E10356G00
2	1	30E10357G00	5.188" x 4.361" x 3.859" Steel Enclosure For Single Enclosed Power Supply, (Beaver Steel # CM100VASE) - Cover (No Mods)	30E10357G00

<b>TOLERANCE</b> 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]	<b>c3controls</b> P.O. BOX 496 BEAVER, PA 15009 www.c3controls.com	
This drawing is the property of c3controls. This drawing may not be copied, used or disclosed, for any purpose except as authorized in writing by c3controls.		Drawn By: cbunnell Modeled By: cbunnell Approved By: cbunnell Created On: 6/15/2022		
Description: <b>EPS - 5.188" x 4.361" x 3.859" Steel Enclosure, (Beaver Steel # CM100VASE) - 100VA Single Final Assembly (All Options)</b>			Rev #: 2 Size: C Scale: N/A Part Number: 30E90012G01	



<b>TOLERANCE</b> 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	<b>Units:</b> in [mm]		<b>c3controls®</b> P.O. BOX 496      BEAVER, PA 15009      www.c3controls.com			
	<b>Drawn By:</b> cbunnell					
	<b>Modeled By:</b> cbunnell					
	<b>Approved By:</b> cbunnell					
This drawing is the property of c3controls. This drawing may not be copied, used or disclosed, for any purpose except as authorized in writing by c3controls.	<b>Created On:</b> 10/23/2023		<b>Description:</b>  EPS Enclosure 100VA PCBA			
			<b>Rev #:</b> 2	<b>Size:</b> C	<b>Scale:</b> N/A	<b>Part Number:</b> 10E90015G02

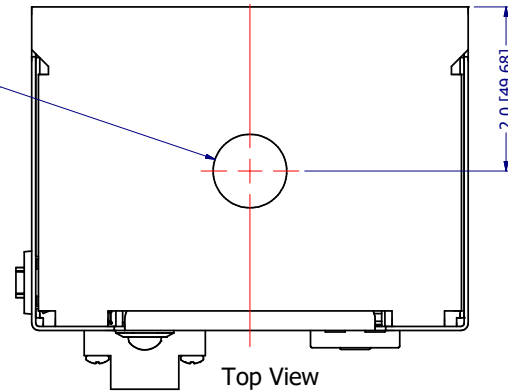


<div>TOLERANCE</div> <div>X.X +/- 0.040 [1.00]</div> <div>X.XX +/- 0.010 [0.25]</div> <div>X.XXX +/- 0.005 [0.13]</div> <div>X.XXXX +/- 0.001 [0.03]</div> <div>ANGLES +/- 0.5 DEG</div> <div>UNLESS OTHERWISE SPECIFIED</div>	Units:		<div>c3controls®</div> <div>P.O. BOX 496      BEAVER, PA 15009      www.c3controls.com</div> <div>Wire Tie Locations</div>			
	in [mm]					
	Drawn By:					
	cbunnell					
	Modeled By:		Description:			
	Approved By:					
This drawing is the property of c3controls. This drawing may not be copied, used or disclosed, for any purpose except as authorized in writing by c3controls.	cbunnell					
	Created On:	Rev #:	Size:	Scale:	Part Number:	
		2	C	N/A		

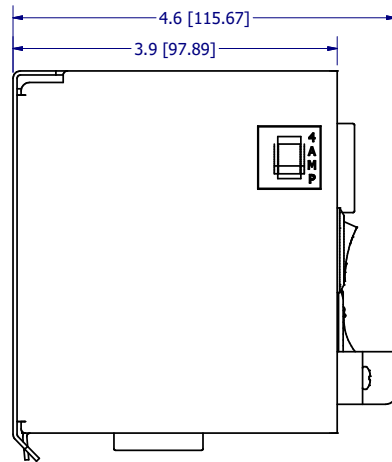
COMPONENT INFO			
TERMINAL / SCREW LOCATION	TORQUE (LBF-IN)	WIRE SIZE (AWG)	STRIP LENGTH (IN)
Transformer Mounting	20	N/A	N/A
PCB Snap Track Mounting	7	N/A	N/A
PCB Terminal Blocks	4.5	24-12	0.28

<b>TOLERANCE</b> 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	<b>Units:</b> in [mm]		<b>c3controls®</b> P.O. BOX 496      BEAVER, PA 15009      www.c3controls.com			
	<b>Drawn By:</b> cbunnell					
	<b>Modeled By:</b>					
	<b>Approved By:</b> cbunnell		<b>Description:</b>			
This drawing is the property of c3controls. This drawing may not be copied, used or disclosed, for any purpose except as authorized in writing by c3controls.	<b>Created On:</b>		<b>Rev #:</b> 2	<b>Size:</b> C	<b>Scale:</b> N/A	<b>Part Number:</b>

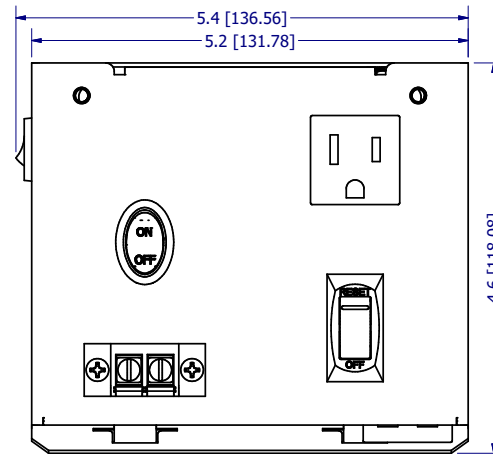
Ø.875 [Ø22.23]



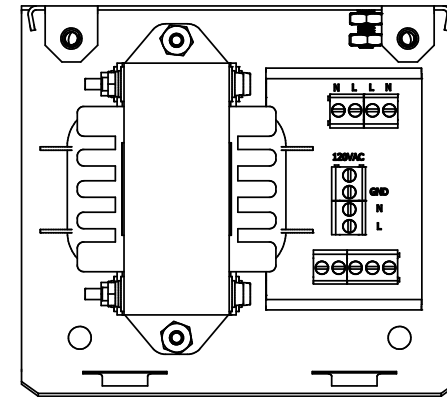
Top View  
SCALE 7/8



Side View  
SCALE 7/8

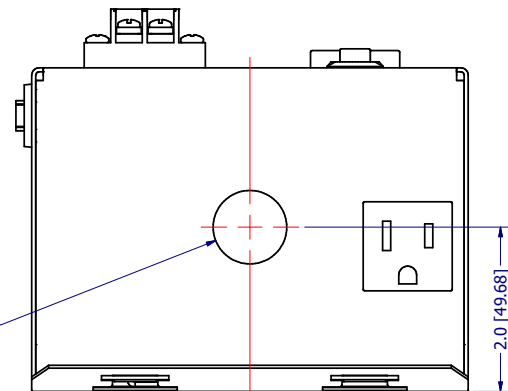


Front View  
SCALE 7/8



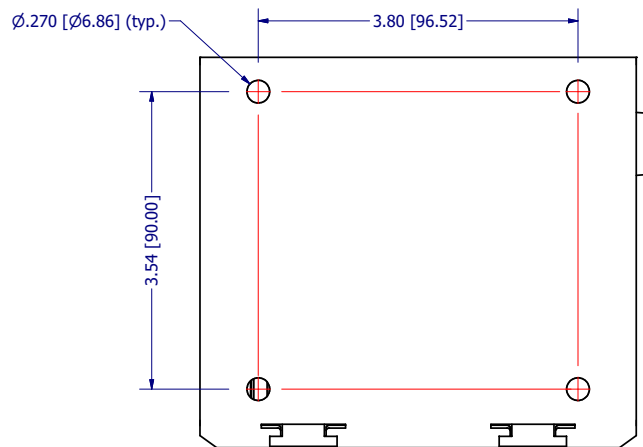
Front View (Cover Off)  
SCALE 7/8

Ø.875 [Ø22.23]

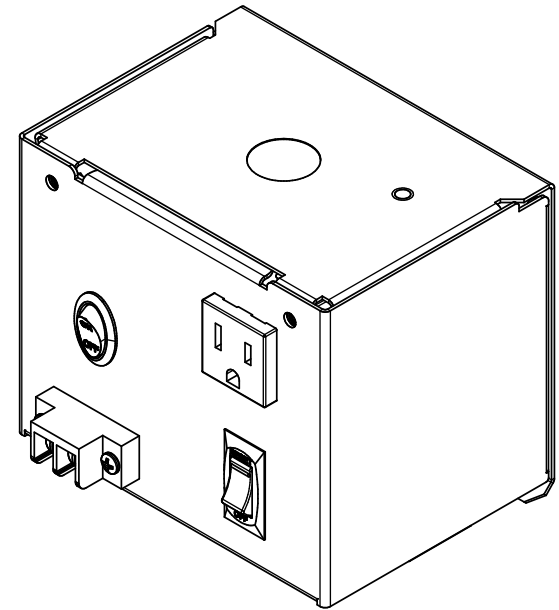


Bottom View  
SCALE 7/8

<b>TOLERANCE</b> 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	<b>Units:</b> in [mm]		<b>c3controls®</b> P.O. BOX 496 BEAVER, PA 15009 www.c3controls.com		
	<b>Drawn By:</b> cbunnell				
	<b>Modeled By:</b> cbunnell		<b>Description:</b> EPS - 5.188" x 4.361" x 3.859" Steel Enclosure, (Beaver Steel # CM100VASE) - 100VA Single Final Assembly (All Options)		
	<b>Approved By:</b> cbunnell				
This drawing is the property of c3controls. This drawing may not be copied, used or disclosed, for any purpose except as authorized in writing by c3controls.	<b>Created On:</b> 6/15/2022	<b>Rev #:</b> 2	<b>Size:</b> C	<b>Scale:</b> N/A	<b>Part Number:</b> 30E90012G01



Back View  
SCALE 7/8



Isometric View  
SCALE 7/8

<div>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</div>	Units: in [mm]		<div>c3controls®</div> <div>P.O. BOX 496      BEAVER, PA 15009      www.c3controls.com</div>			
	Drawn By: cbunnell					
	Modeled By: cbunnell		Description: EPS - 5.188" x 4.361" x 3.859" Steel Enclosure, (Beaver Steel # CM100VASE) - 100VA Single Final Assembly (All Options)			
	Approved By: cbunnell					
	This drawing is the property of c3controls. This drawing may not be copied, used or disclosed, for any purpose except as authorized by writing at c3controls.	Created On: 6/15/2022	Rev #: 2	Size: C	Scale: N/A	Part Number: 30E90012G01

This drawing is the property of c3controls. This drawing may not be copied, used or disclosed, for any purpose except as authorized in writing by c3controls.