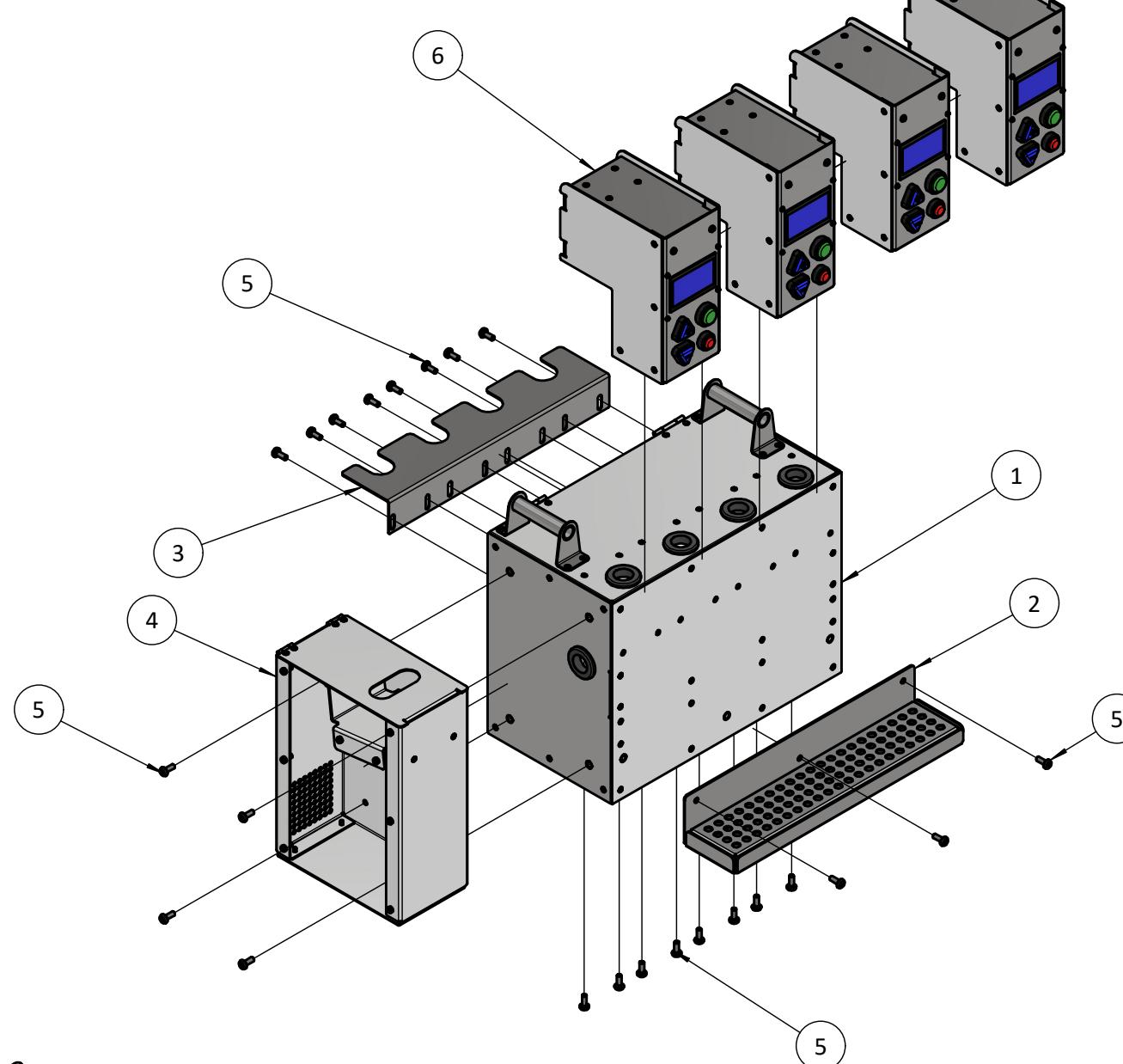


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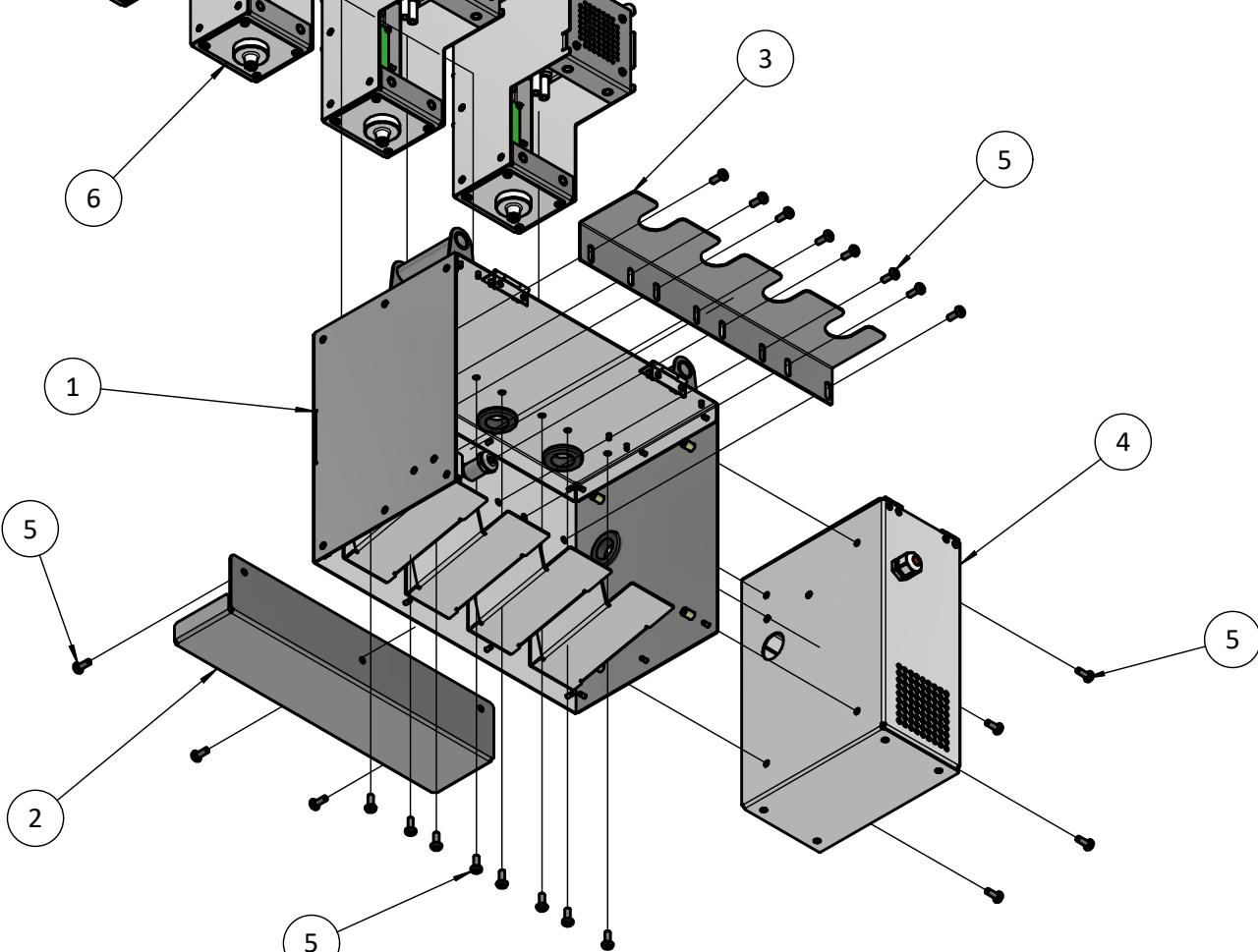
# Complete Chassis Assembly

(See sub-assembly drawings that follow)

Top-Left-Front View



Bottom-Right-Rear View



ITEM	PART NUMBER	TITLE	MATERIAL	DESCRIPTION	QTY
PARTS LIST					

SCALE: 1 : 8

DRAWN BY: Brendon Clack  
DATE: 2022/12/01MFG APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

## NOTES:

- All dimensions in mm
- Do not scale drawing
- Drawing in accordance with SANS 10111-1



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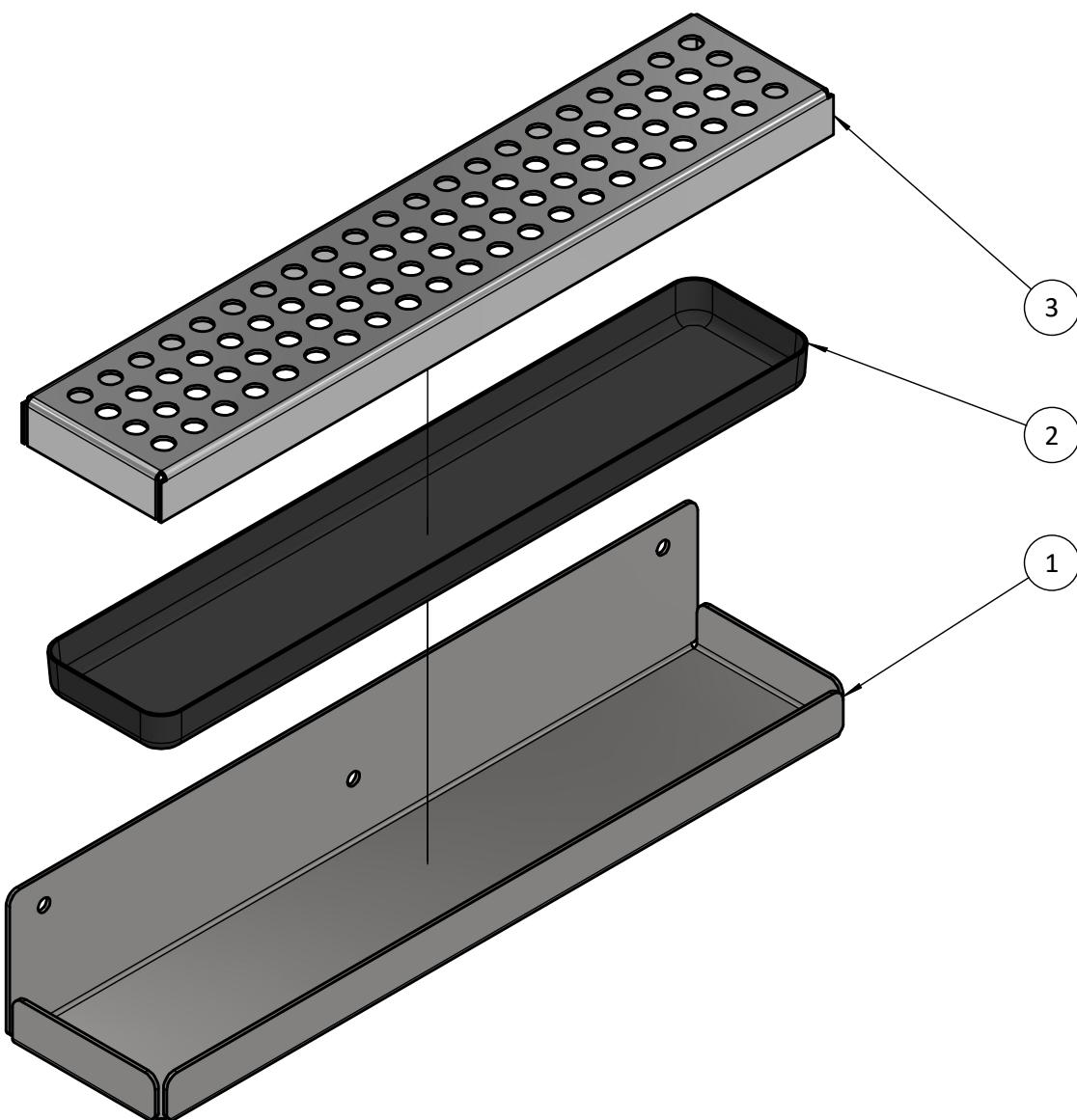
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# Drip Tray Sub-assembly



ITEM	PART NUMBER	TITLE	MATERIAL	DESCRIPTION	QTY
PARTS LIST					
3	Tray-P02	Drip Cover	Stainless Steel AISI 304	Drip tray cover with holes (1.6mm mild steel, cut & bend)	1
2	Tray-P03	Drip Container	ABS Plastic	Drip collection container (1.5mm thermoformed)	1
1	Tray-P01	Tray Support	Stainless Steel AISI 304	Drip tray support shelf (2mm mild steel, cut & bend)	1

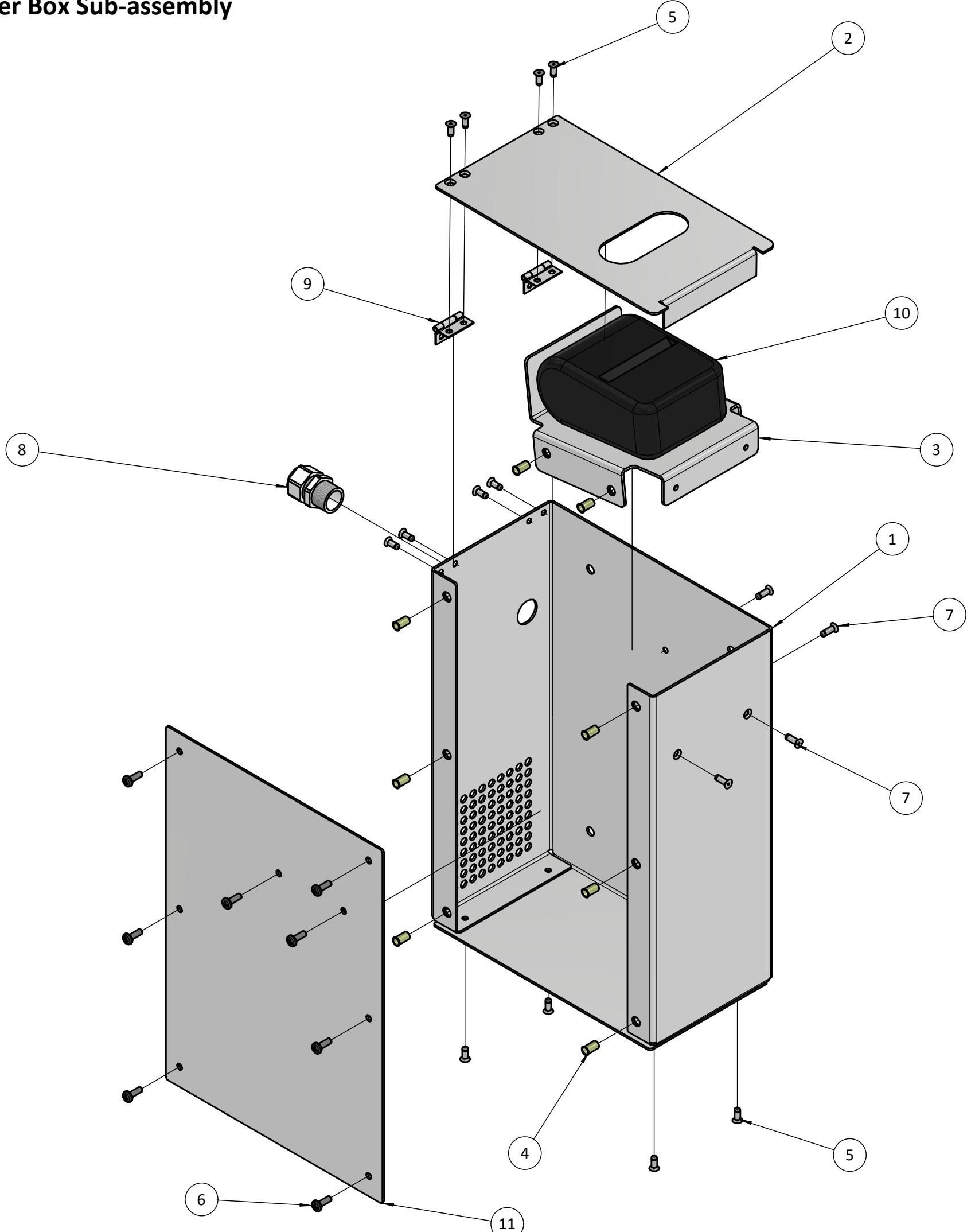
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**DATE:** 2022/12/01  
**MFG APPROVED BY:**  
**DATE:**  
**NOTES:**  
 - All dimensions in mm  
 - Do not scale drawing  
 - Drawing in accordance with SANS 10111-1

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# Printer Box Sub-assembly



ITEM	PART NUMBER	TITLE	MATERIAL	DESCRIPTION	QTY
PARTS LIST					
10	Elec-P11	Thermal Printer	Generic	Desktop thermal printer for sales slip	1
9	Hinge-P02	25mm Hinge		Generic 25mm mild steel hinge	2
8	Gland-P01	Cable Gland	ABS Plastic	Panel mount cable gland, 11mm max, (drill 19mm)	1
7	ASC 4x10	Rivet Countersunk 4x10	Aluminum	Aluminium-steel countersunk rivet (4 x 10mm) Grip range: 4-7mm	4
6	Fast-P02		Steel	Pan head screw with type H cross recess - product grade A	8
5	ASC 4x08	Rivet Countersunk 4x8	Aluminum	Aluminium-steel countersunk rivet (4 x 8mm) Grip range: 2-5mm	12
4	RIV-CSK M4	M4 countersunk rivnut	Steel, Carbon	Countersunk rivnut 4mm (drill 6mm & countersunk 7,5mm)	8
3	Print-P04	Printer Bracket	Steel, Mild	Printer mounting bracket (1.6mm mild steel, cut & bend)	1
2	Print-P03	Printer Box Top	Steel, Mild	Printer box hinged top lip (1.6mm mild steel, cut & bend)	1
11	Print-P02	Printer Box Side	Steel, Mild	Printer box removable side panel (1.6mm mild steel, cut & bend)	1
1	Print-P01	Printer Box Main	Steel, Mild	Printer box main enclosure (1.6mm mild steel, cut & bend)	1

SCALE: 1 : 3

DRAWN BY: Brendon Clack  
DATE: 2022/12/01

MFG APPROVED BY: DATE:

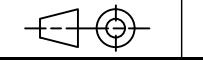
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- All dimensions in mm  
- Do not scale drawing  
- Drawing in accordance with SANS 10111-1



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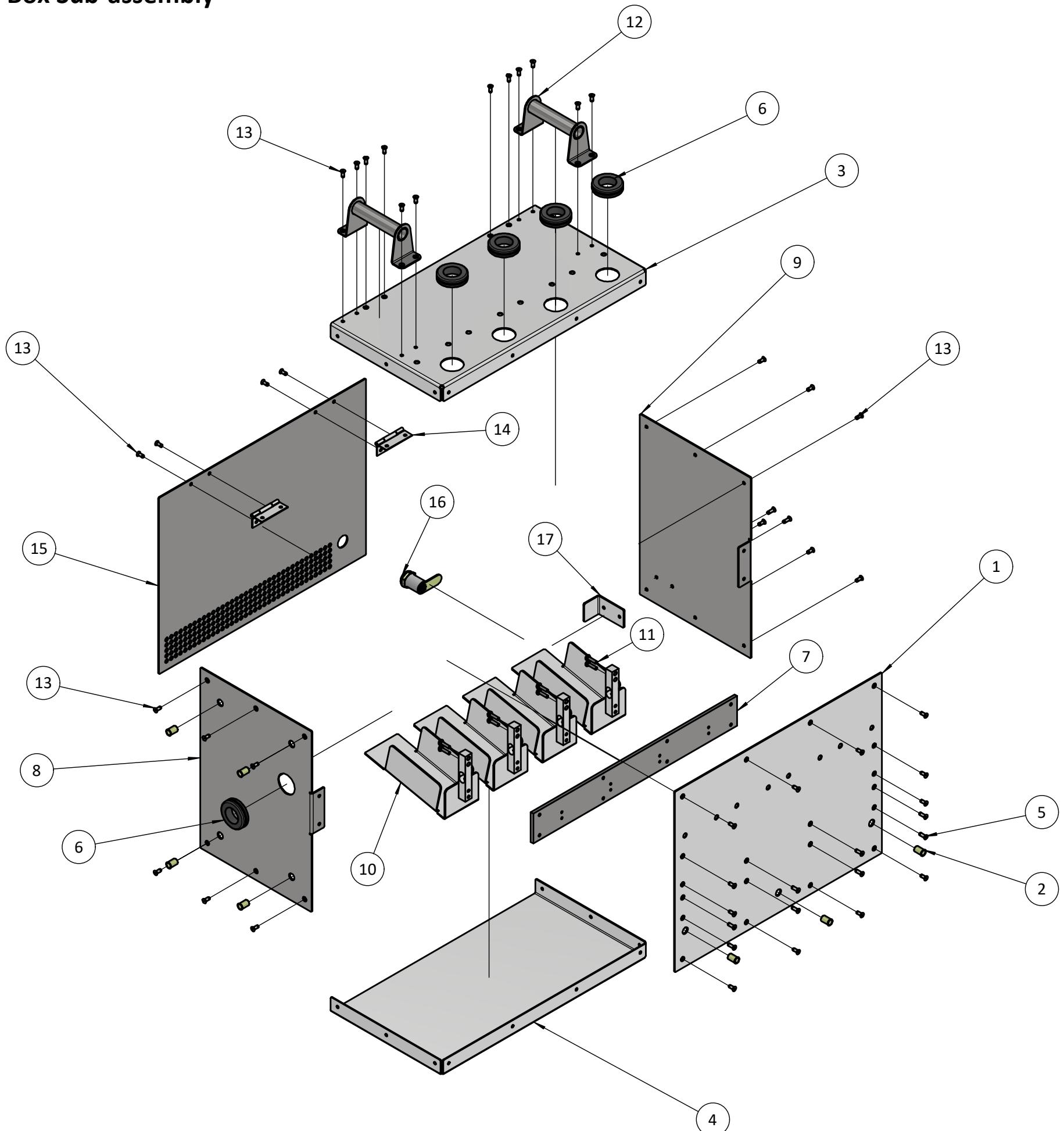
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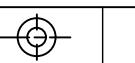
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1 2 3 4 5 6

## Base Box Sub-assembly

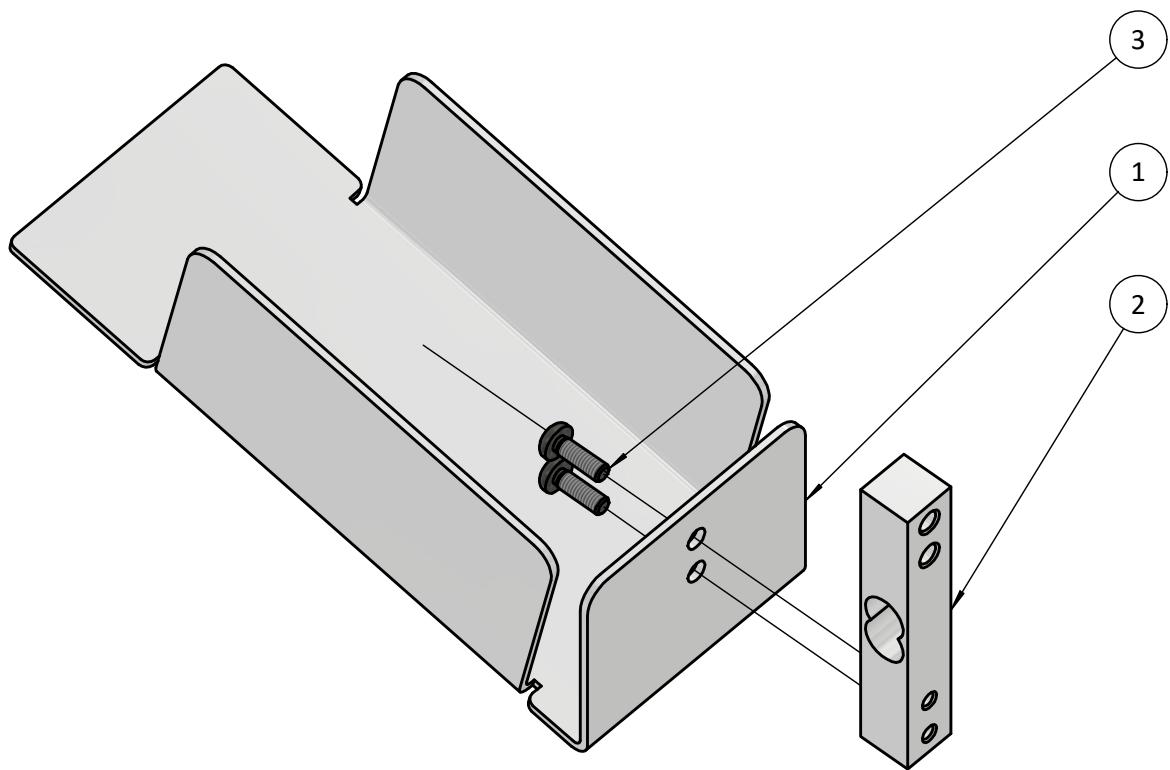


ITEM	PART NUMBER	TITLE	MATERIAL	DESCRIPTION	QTY
PARTS LIST					
17	Base-P10	Cam Lock Catch	Steel, Mild	Catch for engaging cam lock fro base box door	1
16	Lock-P01	Cam Lock		Cam lock (panel mount) for base box door	1
15	Base-P06	Base Box Door	Steel, Mild	Base box door panel (1.6mm mild steel, cut & bend)	1
14	Hinge-P01	Hinge (50mm)		Generic 50mm mild steel hinge	2
13	ASC 4x08	Rivet Countersunk 4x8	Aluminum	Aluminium-steel countersunk rivet (4 x 8mm) Grip rage: 2-5mm	40
12	Hand-A01	Handle Sub-Assembly		Base box lifting handle sub-assembly	2
11	Fast-P03		Steel	Pan head screw with type H cross recess - product grade A	8
10	Container-loadcell sub assembly	Hopper Support Sub-Assembly			4
9	Base-P05	Base Box Left	Steel, Mild	Base box left side panel (1.6mm mild steel, cut & bend)	1
8	Base-P04	Base Box Right	Steel, Mild	Base box right side panel (1.6mm mild steel, cut & bend)	1
7	Base-P07	Mounting Plate	Steel, Mild	Mounting plate for hopper loadcell (5mm mild steel, cut)	1
6	Grom-P01	Grommet No8	Rubber	Rubber grommet for cabling & hose protection (drill 32mm)	5
5	ASC 4x10	Rivet Countersunk 4x10	Aluminum	Aluminium-steel countersunk rivet (4 x 10mm) Grip rage: 4-7mm	10
4	Base-P03	Base Box Bottom	Steel, Mild	Base box bottom panel (1.6mm mild steel, cut & bend)	1
3	Base-P02	Base Box Top	Steel, Mild	Base box top panel (1.6mm mild steel, cut & bend)	1
2	RIV-CSK M6	M6 Countersunk Rivnut	Steel, Carbon	Countersunk rivnut 4mm (drill 9mm & countersunk 10,5mm)	7
1	Base-P01	Base Box Face	Steel, Mild	Base box face panel (1.6mm mild steel, cut)	1

SCALE:	1 : 6	 <b>hylography</b> Hylography: Design, Engineer Prototype <a href="https://www.hylography.com/">https://www.hylography.com/</a>	
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DATE:	2022/12/01		
MFG APPROVED BY:			
NOTES:			
<ul style="list-style-type: none"> <li>- All dimensions in mm</li> <li>- Do not scale drawing</li> <li>- Drawing in accordance with SANS 10111-1</li> </ul>			
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1 2 3 4 5 6

# Container-loadcell Sub-assembly



3	Fast-P02		Steel	Pan head screw with type H cross recess - product grade A	2
2	Elec-P03	Load Cell (5kg)	Aluminum	Aluminium flexure type loadcell 5kg rated	1
1	Base-P09	Hopper Support	Steel, Mild	Hopper support bracket, mounted to loadcell (2mm mild steel, cut & bend)	1
ITEM	PART NUMBER	TITLE	MATERIAL	DESCRIPTION	QTY

## PARTS LIST

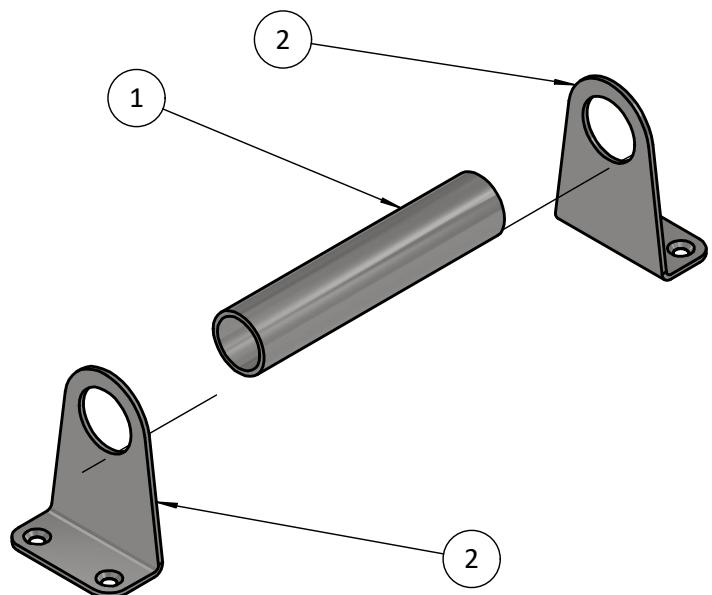
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DRAWN BY:	Brendon Clack	
DATE:	2022/12/01	
MFG APPROVED BY:		
NOTES:	- All dimensions in mm - Do not scale drawing - Drawing in accordance with SANS 10111-1	
A4		Hopper Support Sub-Assembly

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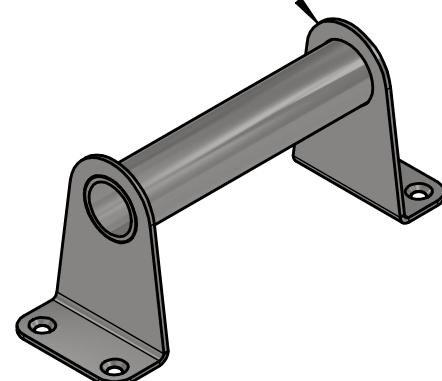
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## Handle Sub-assembly



19mm round tube fits inside handle bracket and is welded in place



B

B

C

C

D

D

E

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ITEM	PART NUMBER	TITLE	MATERIAL	DESCRIPTION	QTY
2	Hand-P01	Handle Bracket	Mild Steel	Base box handle bracket (1.6mm mild steel, cut & bend)	20
1	Hand-P02	Handle Tube	Mild Steel	19mm Diameter round tube (cut to 90mm length)	40

PARTS LIST

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DRAWN BY:	Brendon Clack
DATE:	2022/12/01

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### NOTES:

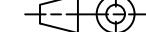
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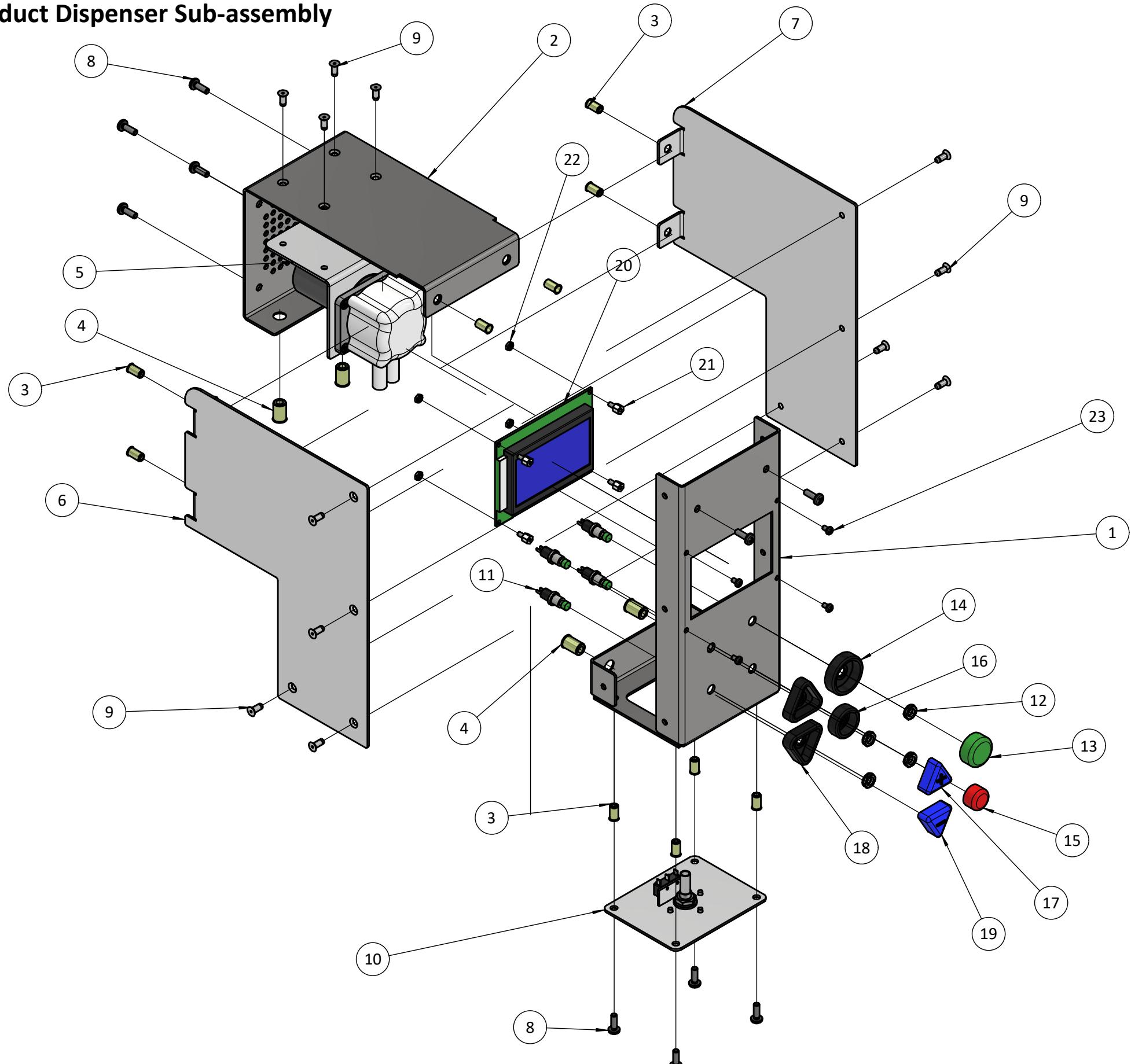


Handle Sub-Assembly

2022-15-A02

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# Product Dispenser Sub-assembly



ITEM	PART NUMBER	TITLE	DESCRIPTION	QTY
PARTS LIST				

SCALE: 1 : 3  
DRAWN BY: Brendon Clack  
DATE: 2022/12/01

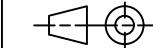
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DATE: \_\_\_\_\_

NOTES:

- All dimensions in mm
- Do not scale drawing
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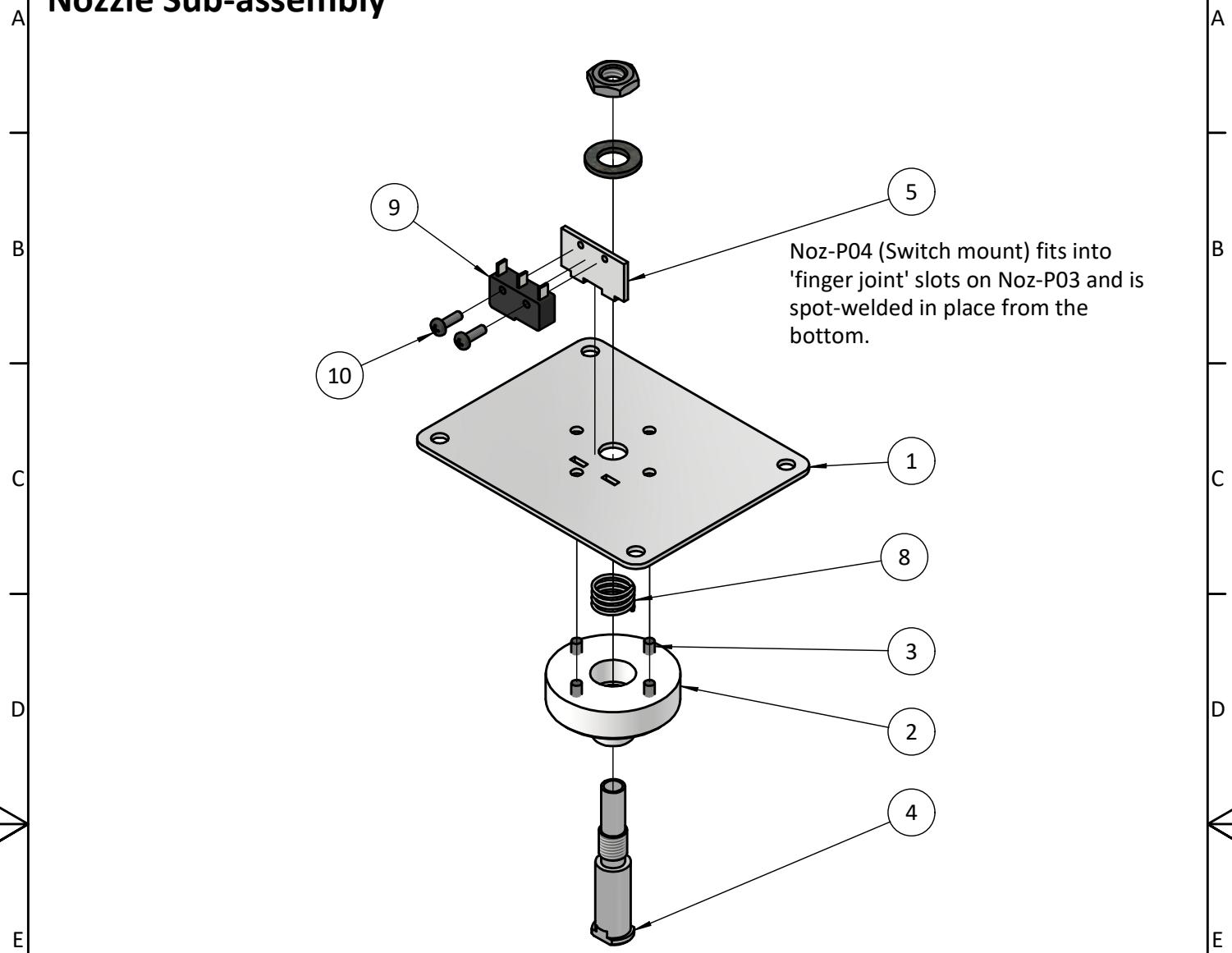
  
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1 2 3 4 5 6 7 8 9 10

# Nozzle Sub-assembly



ITEM	PART NUMBER	TITLE	MATERIAL	DESCRIPTION	QTY
10	Fast-P13		Steel	Pan head screw with type H cross recess - product grade A	2
9	Elec-P04	Micro Switch	ABS Plastic	Nozzle actuator micro switch	1
8	Noz-P05	Nozzle Spring	Steel, Carbon	Compression spring for nozzle shroud (10mm Length x 12mm OD)	1
7	Fast-P01		Stainless Steel, 440C	Hex Nut	1
6	Fast-P07		Steel	Plain washers - Normal series - Product grade C	1
5	Noz-P04	Switch Mount	Steel, Mild	Mounting plate for limit switch	1
4	Noz-P01	Nozzle Body	Stainless Steel AISI 304	Dispensing nozzle with smooth shank for 1/4" hose	1
3	DP 3x10	Dowel Pin 3x10	Steel, Carbon	Hardened and lapped dowell pin (3 x 10 mm)	4
2	Noz-P02	Nozzle Shroud	Acetal Resin, White	Plastic shroud and dispenser activation cone	1
1	Noz-P03	Nozzle Mount (Pin)	Steel, Mild	Nozzle mounting plate assembled onto product dispensing unit (pin version)	1

PARTS LIST						
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			DRAWN BY:	Brendon Clack		
			DATE:	2022/12/01		
			MFG APPROVED BY:			
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6	7	8	9	10	2022-15-A03	