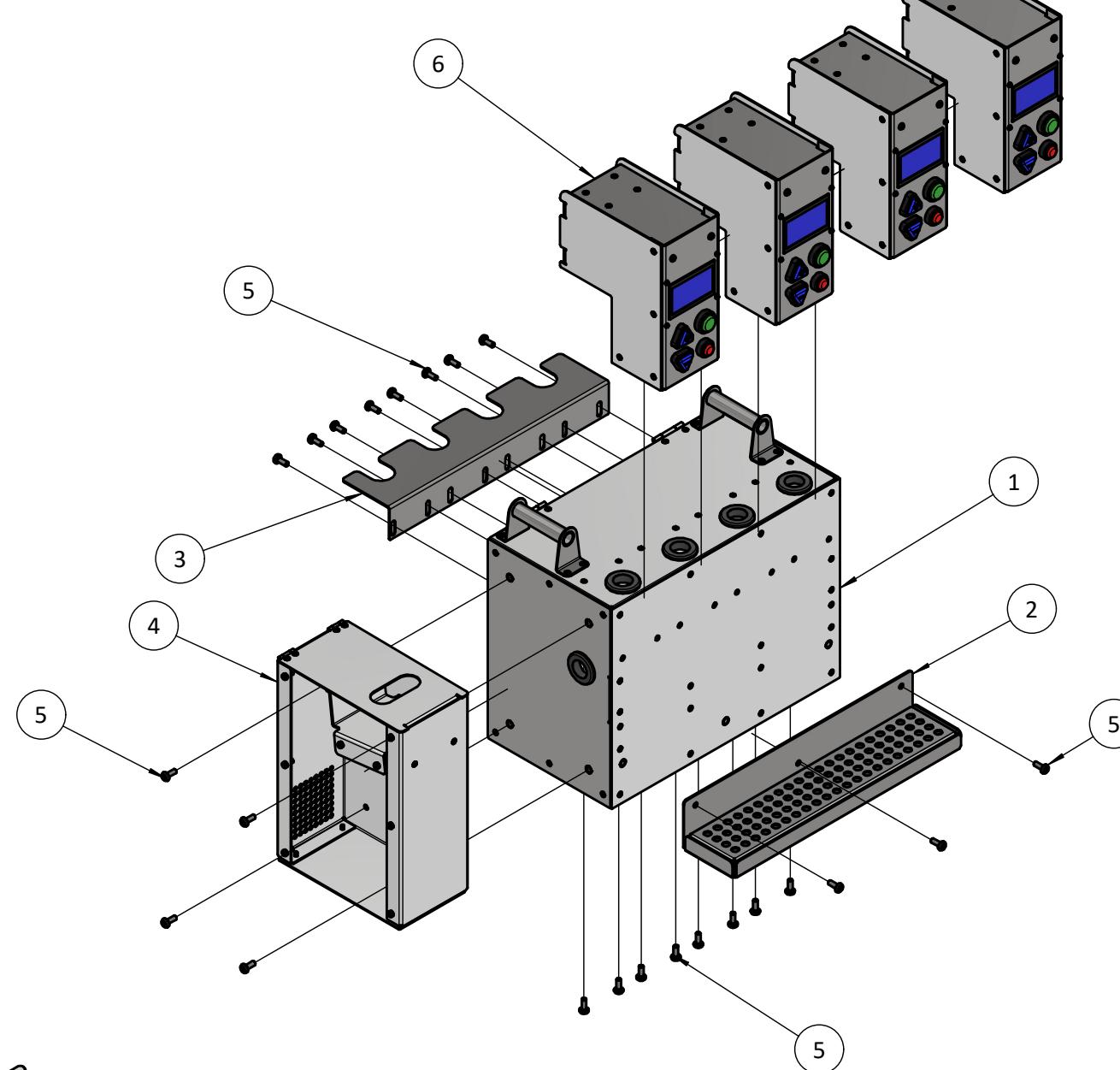


1 2 3 4 5 6

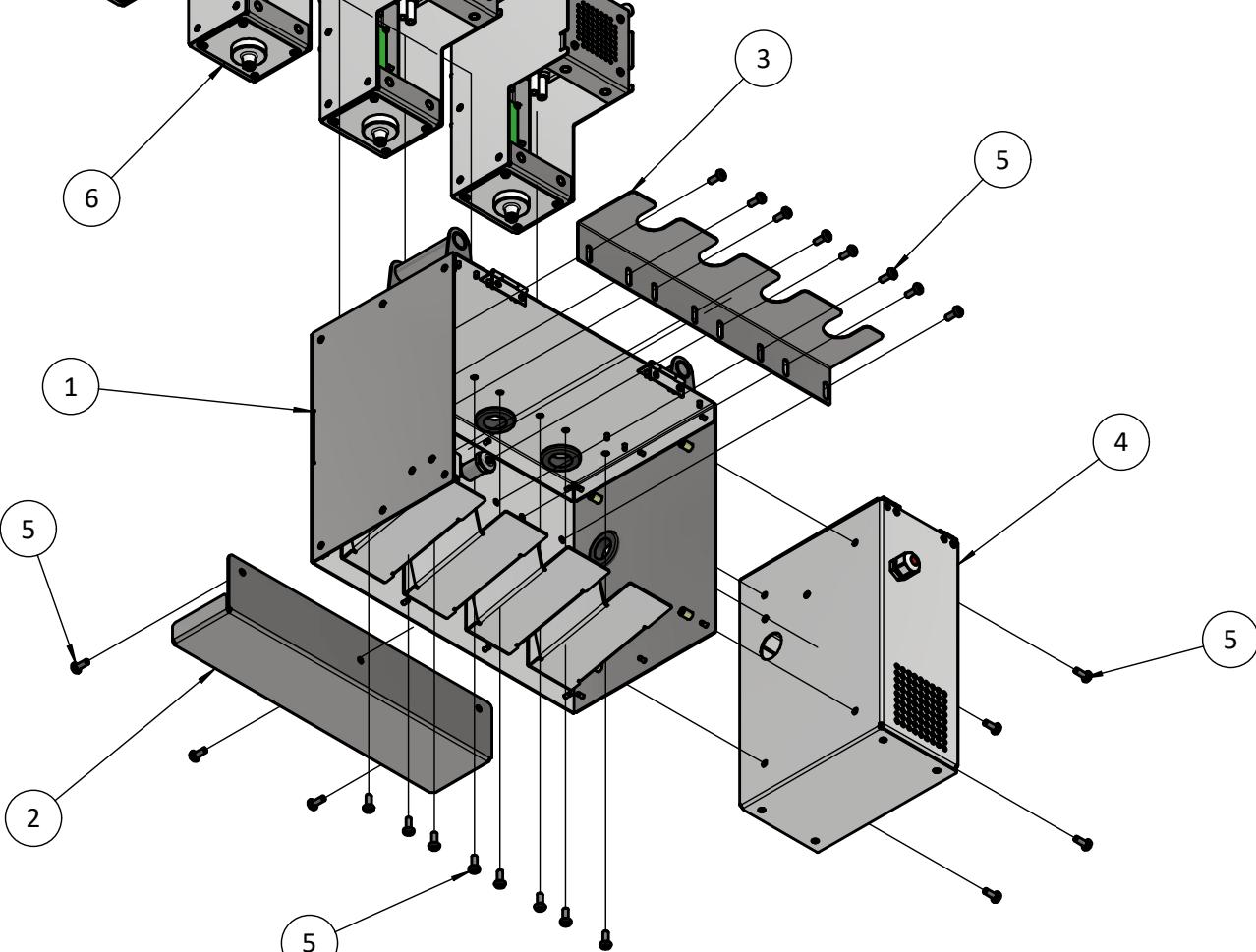
# Complete Chassis Assembly

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



hylography

Hylography: Design, Engineer Prototype

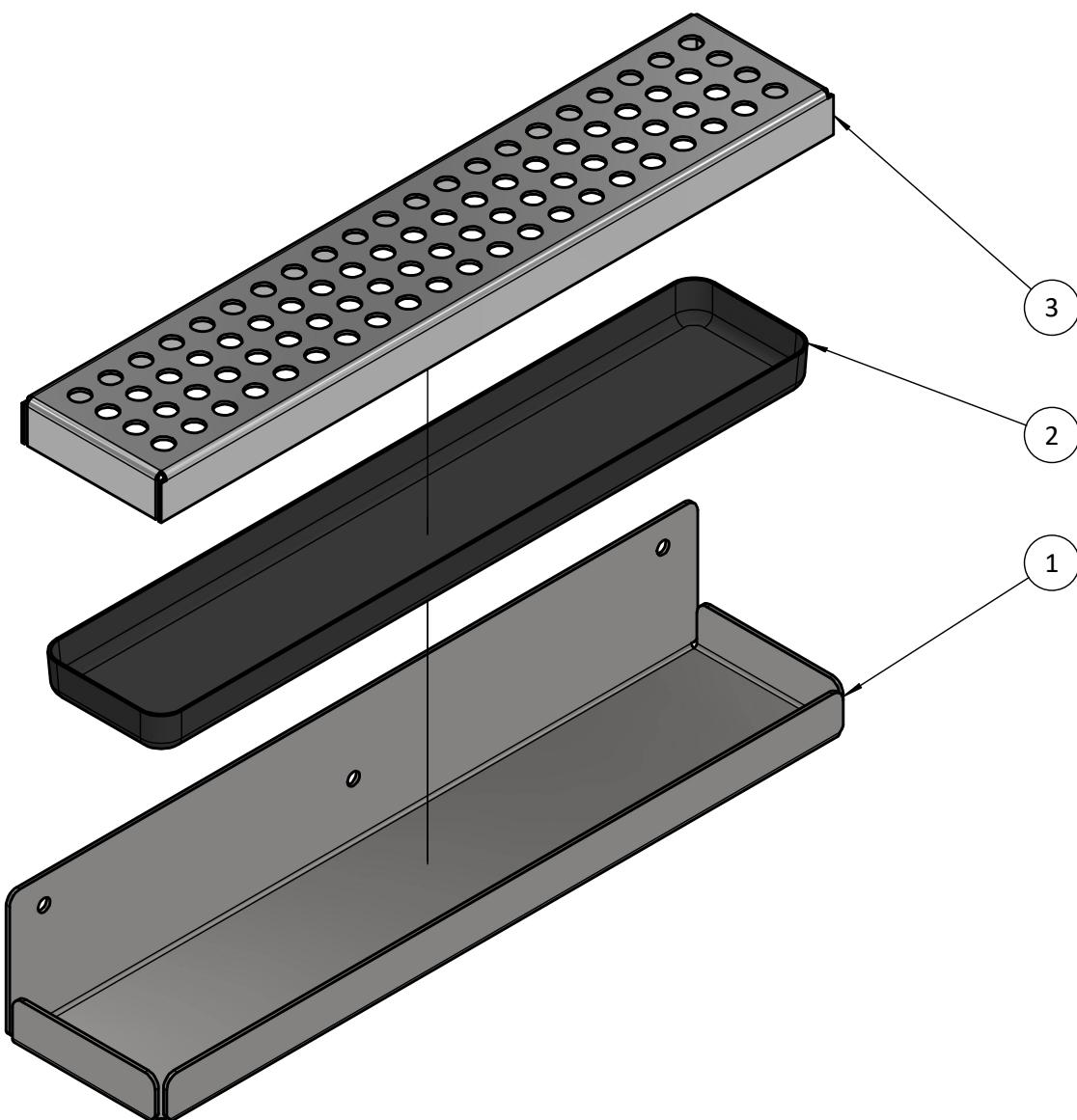
<https://www.hylography.com/>302 Old Castle Brewery  
6 Beach Road  
Woodstock, 7925  
Cape Town

A3



6

# Drip Tray Sub-assembly



ITEM	PART NUMBER	TITLE	MATERIAL	DESCRIPTION	QTY
PARTS LIST					

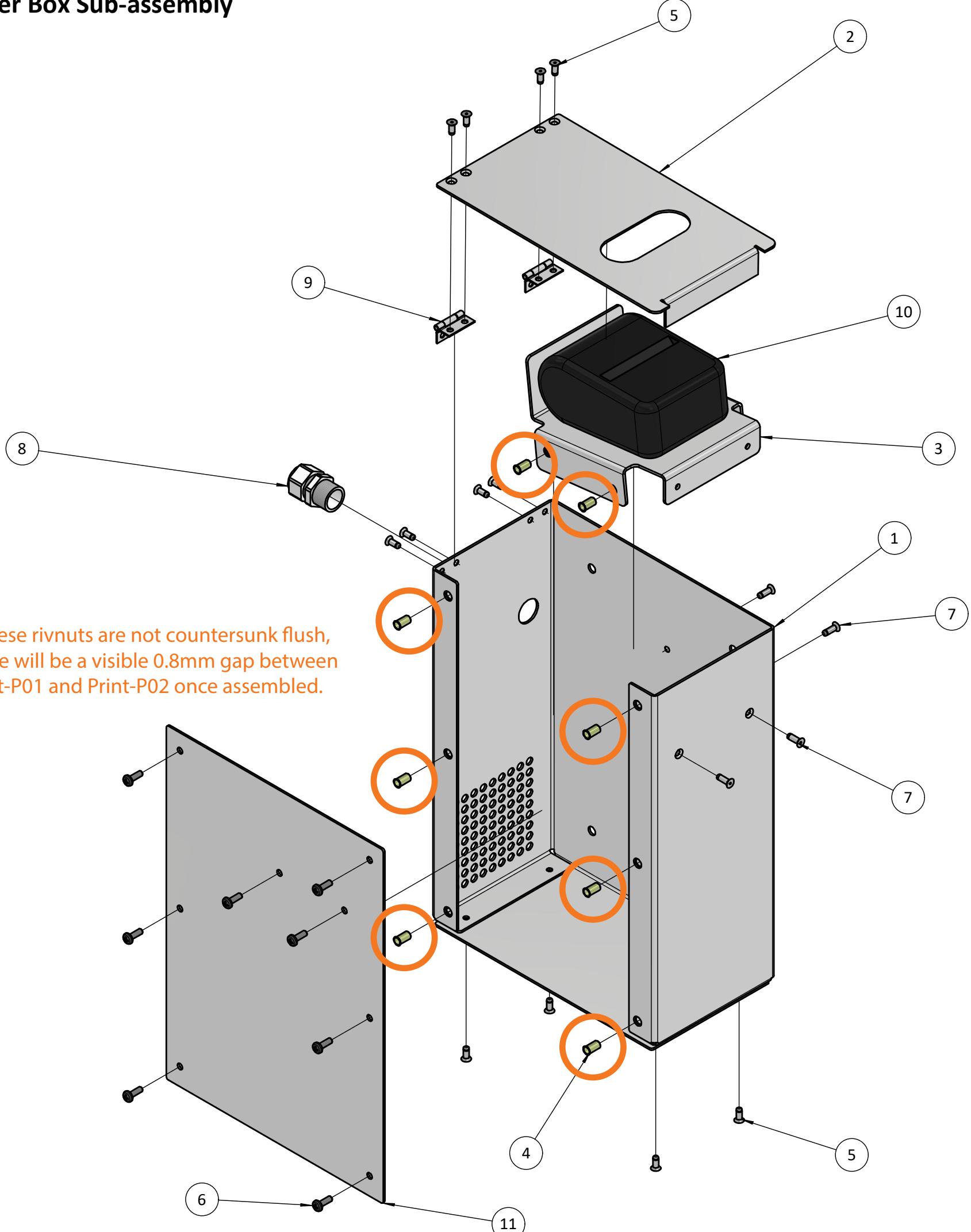
SCALE:	1 : 3
DRAWN BY:	Brendon Clack
DATE:	2022/12/01
MFG APPROVED BY:	
DATE:	
NOTES:	
<ul style="list-style-type: none"> <li>- All dimensions in mm</li> <li>- Do not scale drawing</li> <li>- Drawing in accordance with SANS 10111-1</li> </ul>	
A4	—○—



Hylography: Design, Engineer Prototype  
<https://www.hylography.com/>

302 Old Castle Brewery  
 6 Beach Road  
 Woodstock, 7925  
 Cape Town

# Printer Box Sub-assembly



ITEM	PART NUMBER	TITLE	MATERIAL	DESCRIPTION	QTY
PARTS LIST					

SCALE: 1 : 3

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

MFG APPROVED BY:

DATE:

NOTES:

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



hylography  
Hylography: Design, Engineer Prototype  
<https://www.hylography.com/>

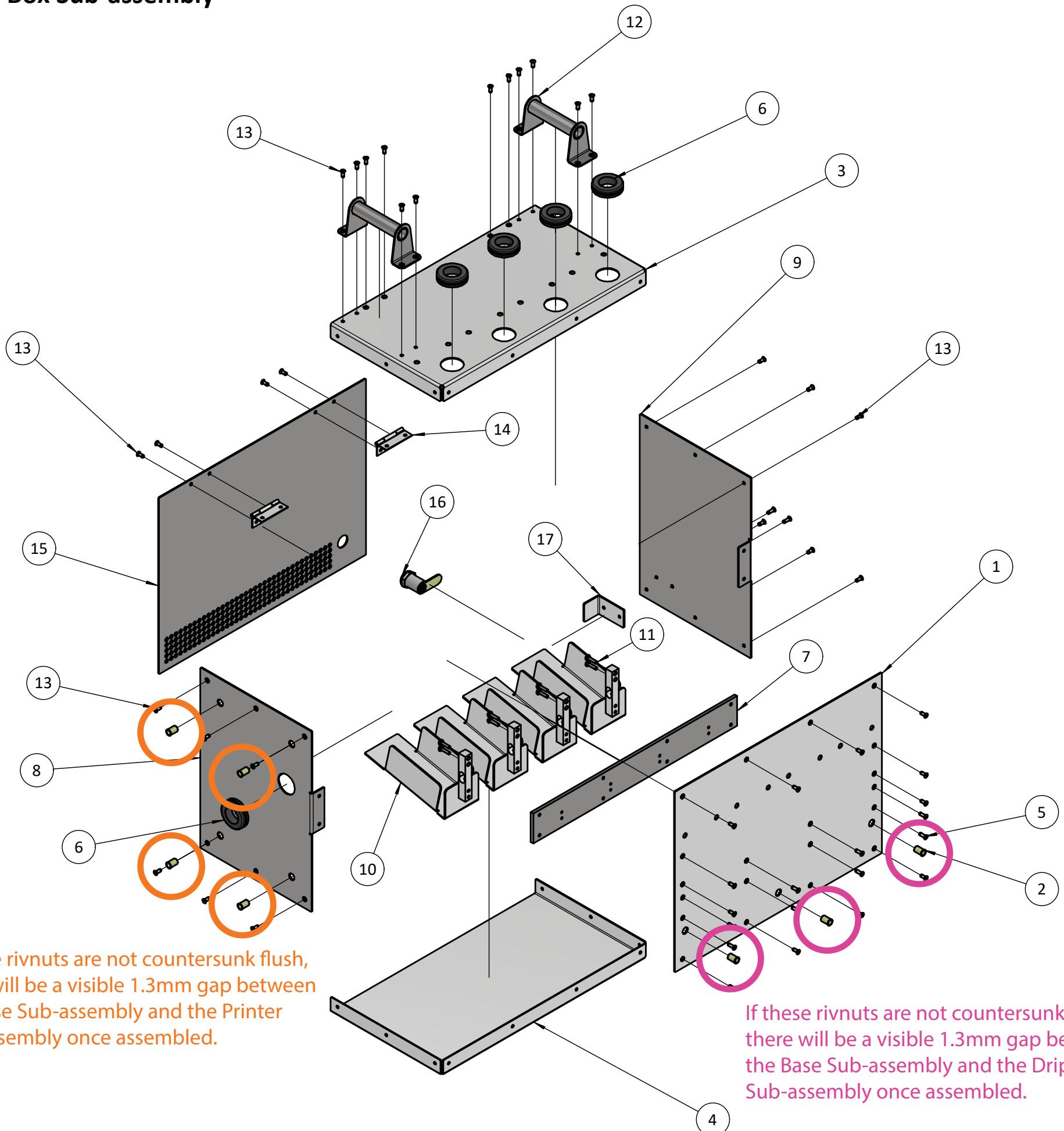
302 Old Castle Brewery  
6 Beach Road  
Woodstock, 7925  
Cape Town

A3

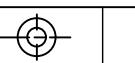


1 2 3 4 5 6

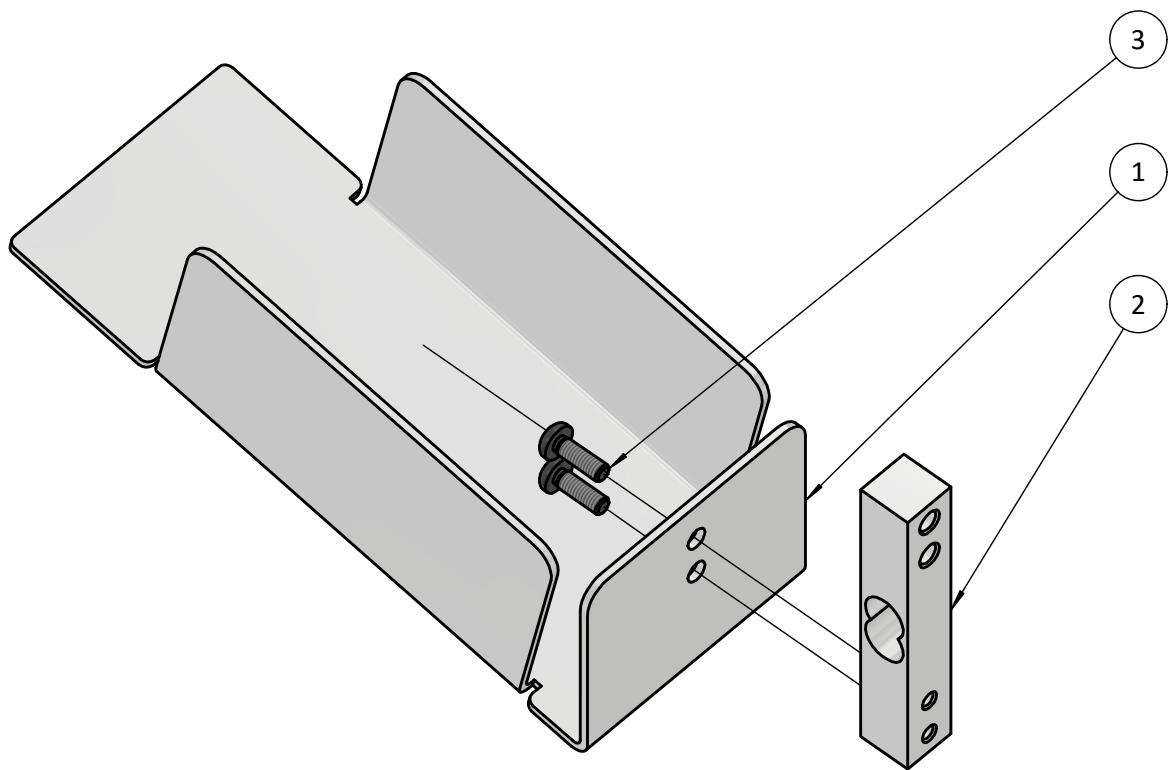
## Base Box Sub-assembly



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>	
DRAWN BY:	Brendon Clack		
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>			
A3			

# 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

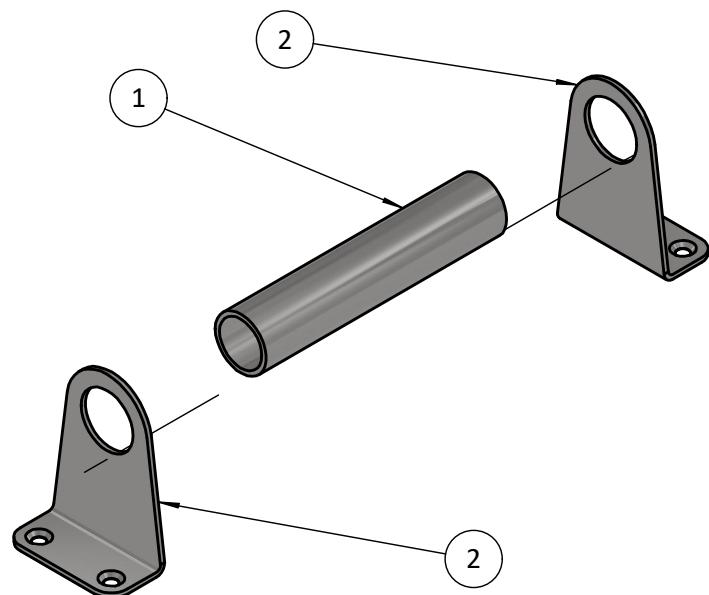
SCALE:	1 : 1.5	 <b>hylography</b> Hylography: Design, Engineer Prototype <a href="https://www.hylography.com/">https://www.hylography.com/</a>
DRAWN BY:	Brendon Clack	
DATE:	2022/12/01	
MFG APPROVED BY:		
NOTES:	- All dimensions in mm - Do not scale drawing - Drawing in accordance with SANS 10111-1	
A4		Hopper Support Sub-Assembly

1 2 3 4 5 6 7 8 9 10

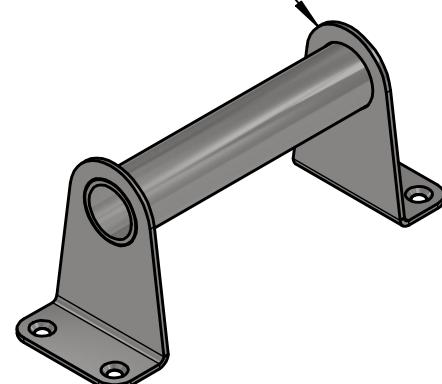
A

A

## Handle Sub-assembly



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



B

B

C

C

D

D

E

E

F

F

G

G

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

SCALE:	1 : 2
DRAWN BY:	Brendon Clack
DATE:	2022/12/01
MFG APPROVED BY:	
DATE:	

NOTES:

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



hylography  
Hylography: Design, Engineer Prototype  
<https://www.hylography.com/>

302 Old Castle Brewery  
6 Beach Road  
Woodstock, 7925  
Cape Town

A4



Handle Sub-Assembly

2022-15-A02

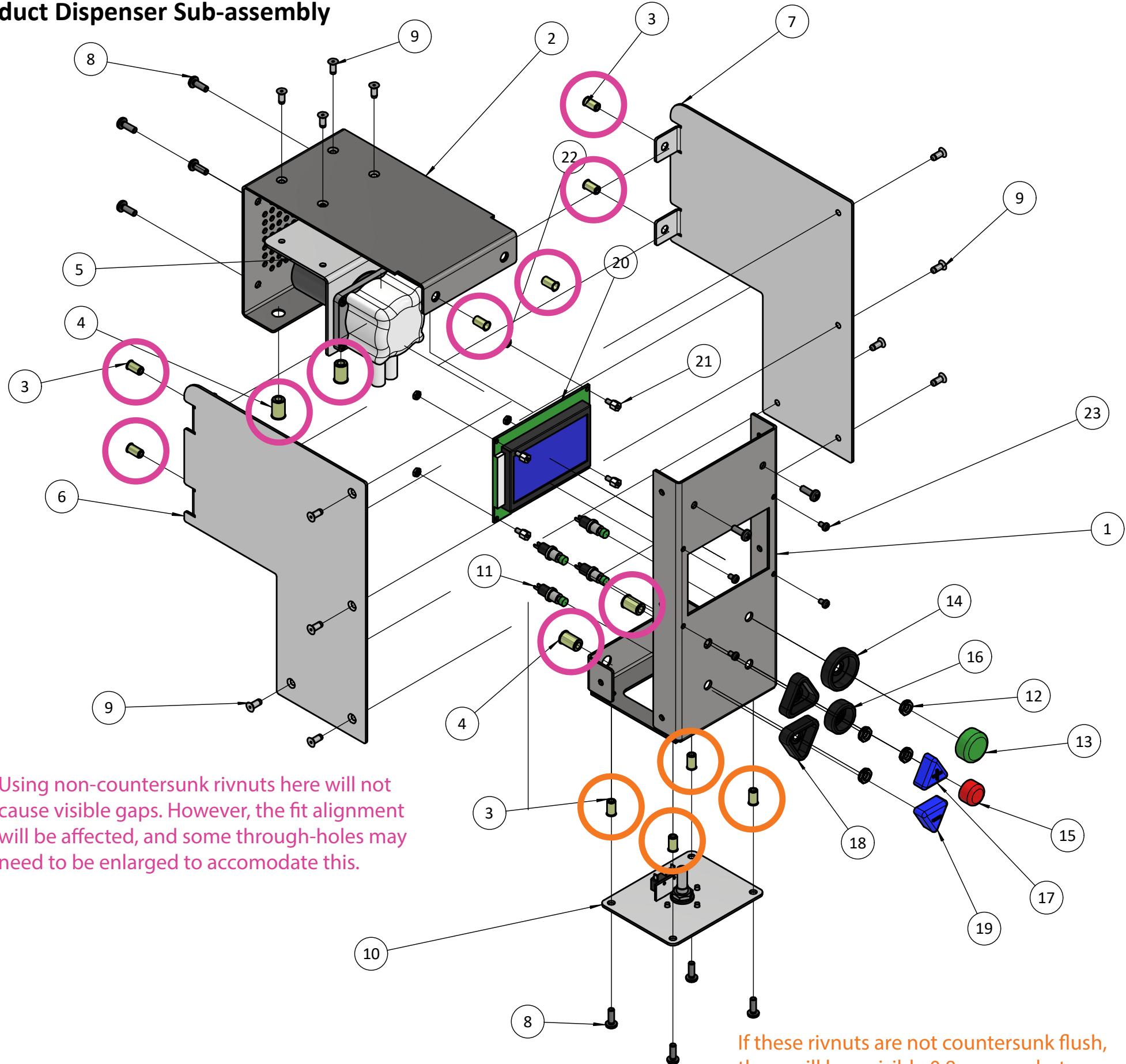
1 2 3 4 5 6 7 8 9 10

H

H

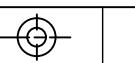
1 2 3 4 5 6

## Product Dispenser Sub-assembly



If these rivnuts are not countersunk flush, there will be a visible 0.8mm gap between the Product Dispenser Sub-assembly and the Nozzle Sub-assembly once assembled.

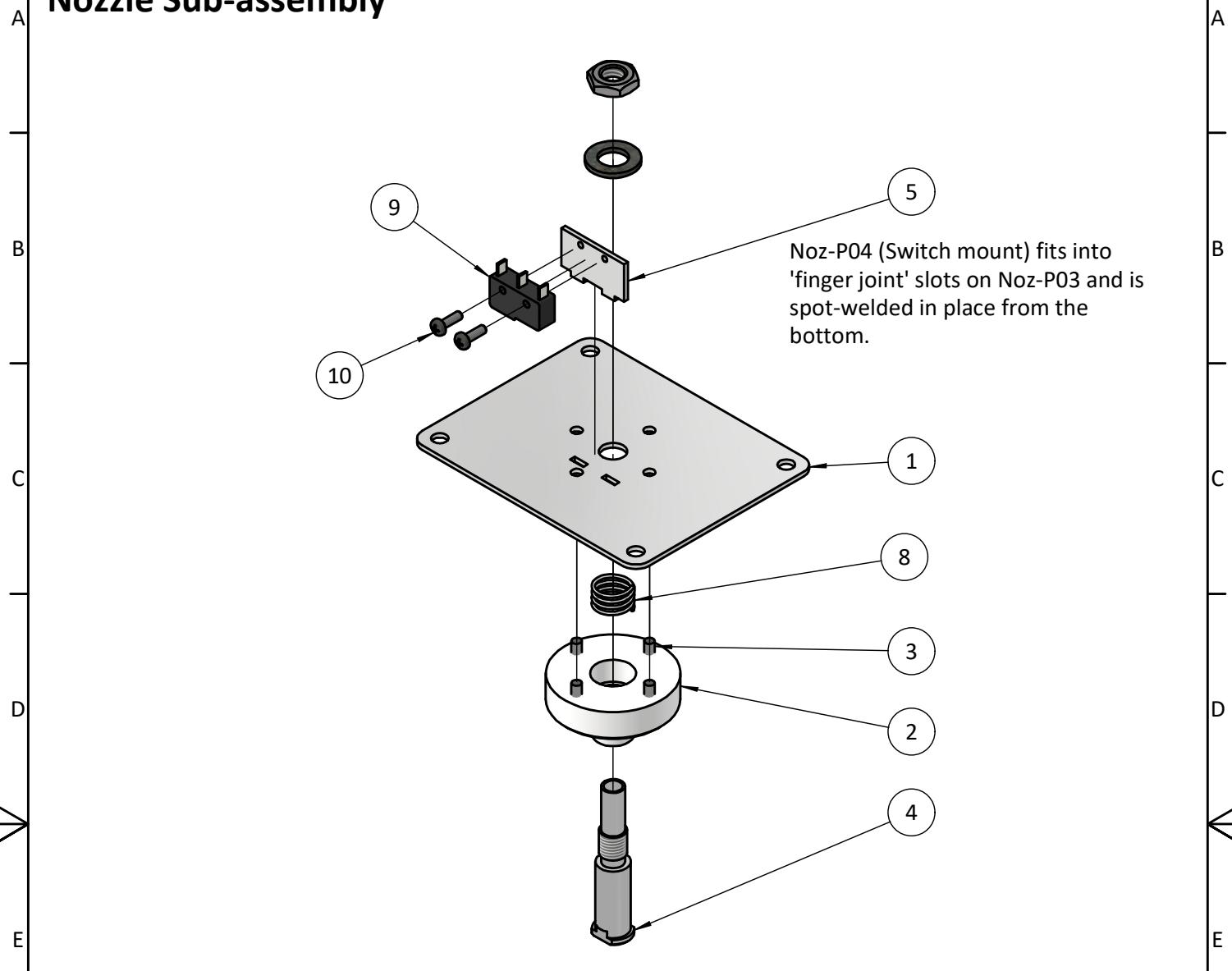
ITEM	PART NUMBER	TITLE	DESCRIPTION	QTY
PARTS LIST				
23	Fast-P10		Pan head screw with type H cross recess - product grade A	4
22	Fast-P09		Hexagon nuts, style 1 - Product grades A and B	4
21	Space-P01	Standoff Spacer 5mm	White nylon spacer with M3 threaded end and hole for LCD mounting	4
20	Elec-P01-2	LCD Module (Larger)	LCD display module, new larger version	1
19	Butt-P10	Button Cap 'Down'		1
18	Butt-P09	Button Surround Tri		2
17	Butt-P08	Button Cap 'Up'		1
16	Butt-P07	Button Surround 'Cancel'		1
15	Butt-P06	Button Cap 'Cancel'		1
14	Butt-P05	Button Surround 'Go'		1
13	Butt-P04	Button Cap 'Go'		1
12	Butt-P02 & Butt-P03	Button Spring & Washer		4
11	Butt-P01	Push Button		4
10	Noz-A01-1			1
9	ASC 4x08	Rivet Countersunk 4x8	Aluminium-steel countersunk rivet (4 x 8mm) Grip rage: 2-5mm	12
8	Fast-P02		Pan head screw with type H cross recess - product grade A	10
7	Prod-P03	Product Box Right	Product right side panel (1.6mm mild steel, cut & bend)	1
6	Prod-P04	Product Box Left	Product left side panel (1.6mm mild steel, cut & bend)	1
5	Pump-bracket sub assembly			1
4	RIV-CSK M6	M6 Countersunk Rivnut	Countersunk rivnut 4mm (drill 9mm & countersunk 10,5mm)	4
3	RIV-CSK M4	M4 countersunk rivnut	Countersunk rivnut 4mm (drill 6mm & countersunk 7,5mm)	10
2	Prod-P02	Product Box Cover	Product box removable cover panel (1.6mm mild steel, cut & bend)	1
1	Prod-P01	Product Box Face	Product box face panel (1.6mm mild steel, cut & bend)	1

SCALE:	1 : 3	 <b>hylography</b> Hylography: Design, Engineer Prototype <a href="https://www.hylography.com/">https://www.hylography.com/</a>	
DRAWN BY:	Brendon Clack		
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>			
A3			

1 2 3 4 5 6

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

SCALE: 1 : 1.75

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



Hylography: Design, Engineer Prototype  
<https://www.hylography.com/>

302 Old Castle Brewery  
 6 Beach Road  
 Woodstock, 7925  
 Cape Town

A4



2022-15-A03

1 2 3 4 5 6 7 8 9 10