Tetra-Motion – Every which way but loose

248-55 Brevis Kit Parts stocked by Tetra-Motion
All prices AUD

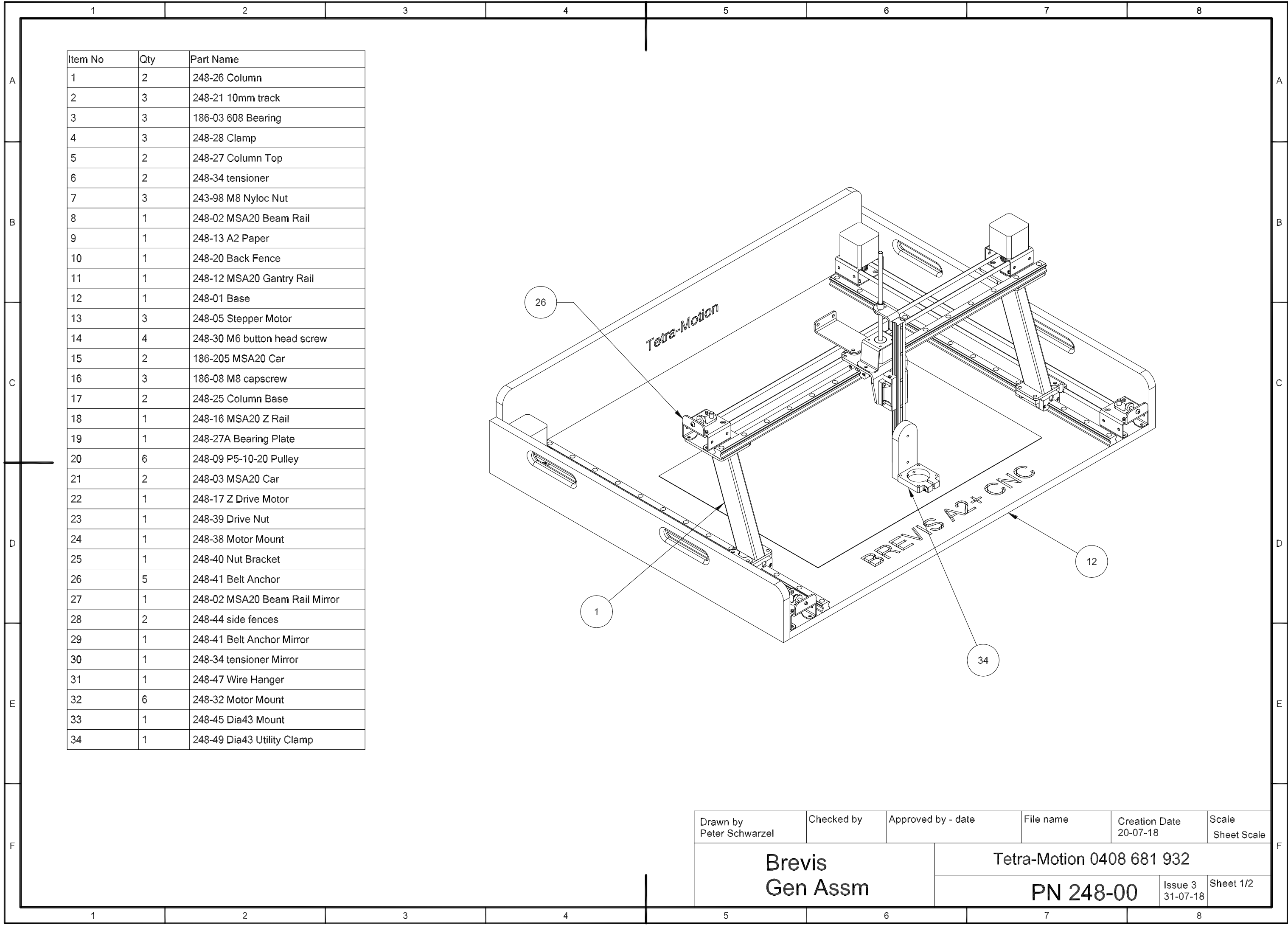| Part No & Name	Price pu	Other Information
248-32 Motor Mount	$8 AUD	Also for belt tensioner
248-10L Column Assm	$33	
248-10R Column Assm	$33	
248-28 Clamp	$3	
248-41 Belt Anchor	$4	Also for belt tensioner
248-34 Tensioner	$3	
248-09 P5-10-20 Pulley Assm	$50	Includes bearings & fasteners
248-45 Dia 43mm Mount	$20	
248-49 Dia43 Utility Clamp	$60	
248-27A Bearing Plate	$4	
248-38 Motor Mount Z	$9	
248-05 Stepper Motor	$22	
248-17 Z Drive Motor	$50	
248-40 Nut Bracket	$5	
Nuts and bolts Kit	$15	
248-03 20mm Cars each	$60	$78 for high preload
248-02 20mm Y rails per m	$130	Brevis 2x740mm
248-12 20mm X rail per m	$130	Brevis 1x860mm gantry
248-16 20mm Z rail per m	$130	Brevis 1x320mm
248-21 10mm AT belt per metre		Brevis 5.5m
12 core cable per m		Brevis

Brevis Parts Shopping List

| Part No & Name	Estimated Price per unit	Other Information
Power source 24V, 8A	$23	stepperonline
Motor controller 4 axis	$85	stepperonline
GPO's	$13	Bunnings
17mm plywood	$60	Bunnings ot hardware
Jiffy Boxes	$6-$15	Jaycar (plastic or metal)
CAD System	Free-$5000+	Makers choice
Motion Controller UC100	$199	My Tool Store
CAM UCCNC	$99	My Tool Store
Other CAM System	Free-$5000+	
4 core Signal wire		Jaycar – Use microphone wire
4 core Power Wire		Jaycar – Use Heavy Speaker wire.
Computer with USB port	Free - $$$	Makers choice

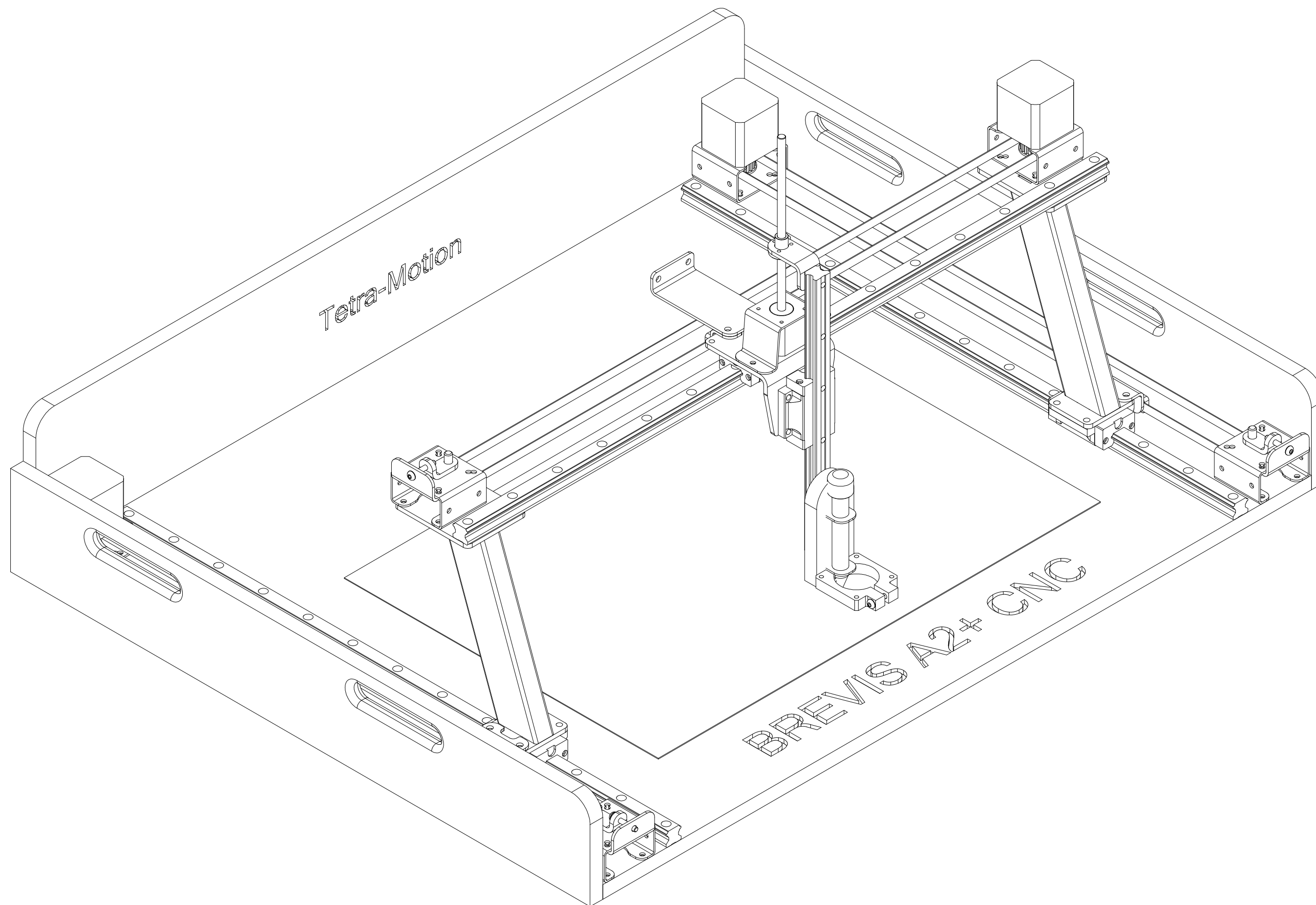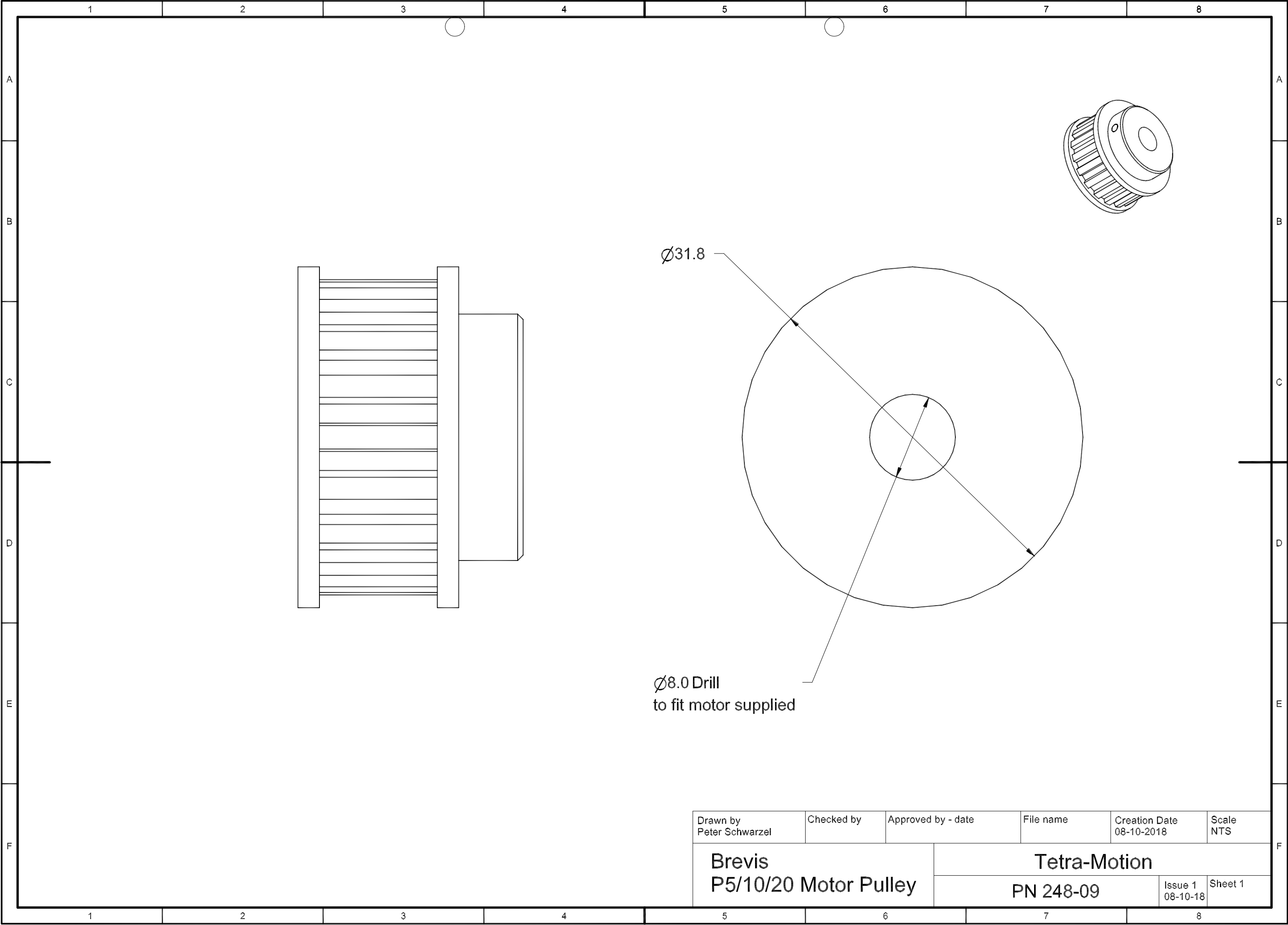Any questions please ask

Designer & Founder

Item No	Qty	Part Name
1	2	248-26 Column
2	3	248-21 10mm track
3	3	186-03 608 Bearing
4	3	248-28 Clamp
5	2	248-27 Column Top
6	2	248-34 tensioner
7	3	243-98 M8 Nyloc Nut
8	1	248-02 MSA20 Beam Rail
9	1	248-13 A2 Paper
10	1	248-20 Back Fence
11	1	248-12 MSA20 Gantry Rail
12	1	248-01 Base
13	3	248-05 Stepper Motor
14	4	248-30 M6 button head screw
15	2	186-205 MSA20 Car
16	3	186-08 M8 capscrew
17	2	248-25 Column Base
18	1	248-16 MSA20 Z Rail
19	1	248-27A Bearing Plate
20	6	248-09 P5-10-20 Pulley
21	2	248-03 MSA20 Car
22	1	248-17 Z Drive Motor
23	1	248-39 Drive Nut
24	1	248-38 Motor Mount
25	1	248-40 Nut Bracket
26	5	248-41 Belt Anchor
27	1	248-02 MSA20 Beam Rail Mirror
28	2	248-44 side fences
29	1	248-41 Belt Anchor Mirror
30	1	248-34 tensioner Mirror
31	1	248-47 Wire Hanger
32	6	248-32 Motor Mount
33	1	248-45 Dia43 Mount
34	1	248-49 Dia43 Utility Clamp

Tetra-Motion

BREVIS A2+ CNC

Drawn by Peter Schwarzel	Checked by	Approved by - date	File name	Creation Date 20-07-18	Scale Sheet Scale
Brevis Gen Assm		Tetra-Motion 0408 681 932			
		PN 248-00		Issue 3 31-07-18	Sheet 1/2

984.0

777.0

Tetra-Motion

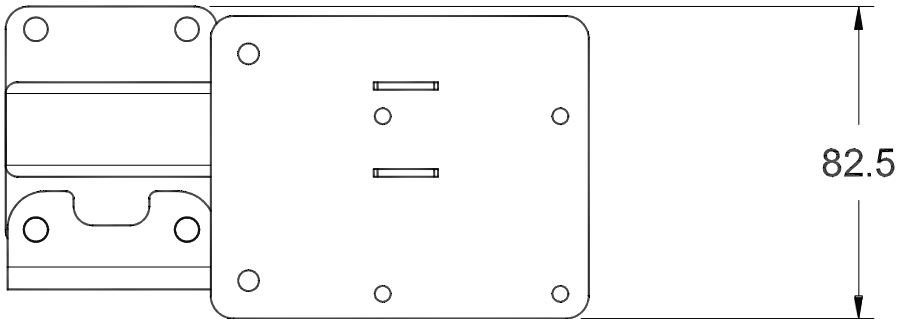BREVIS A2+ CNC

BREVIS A2+ CNC
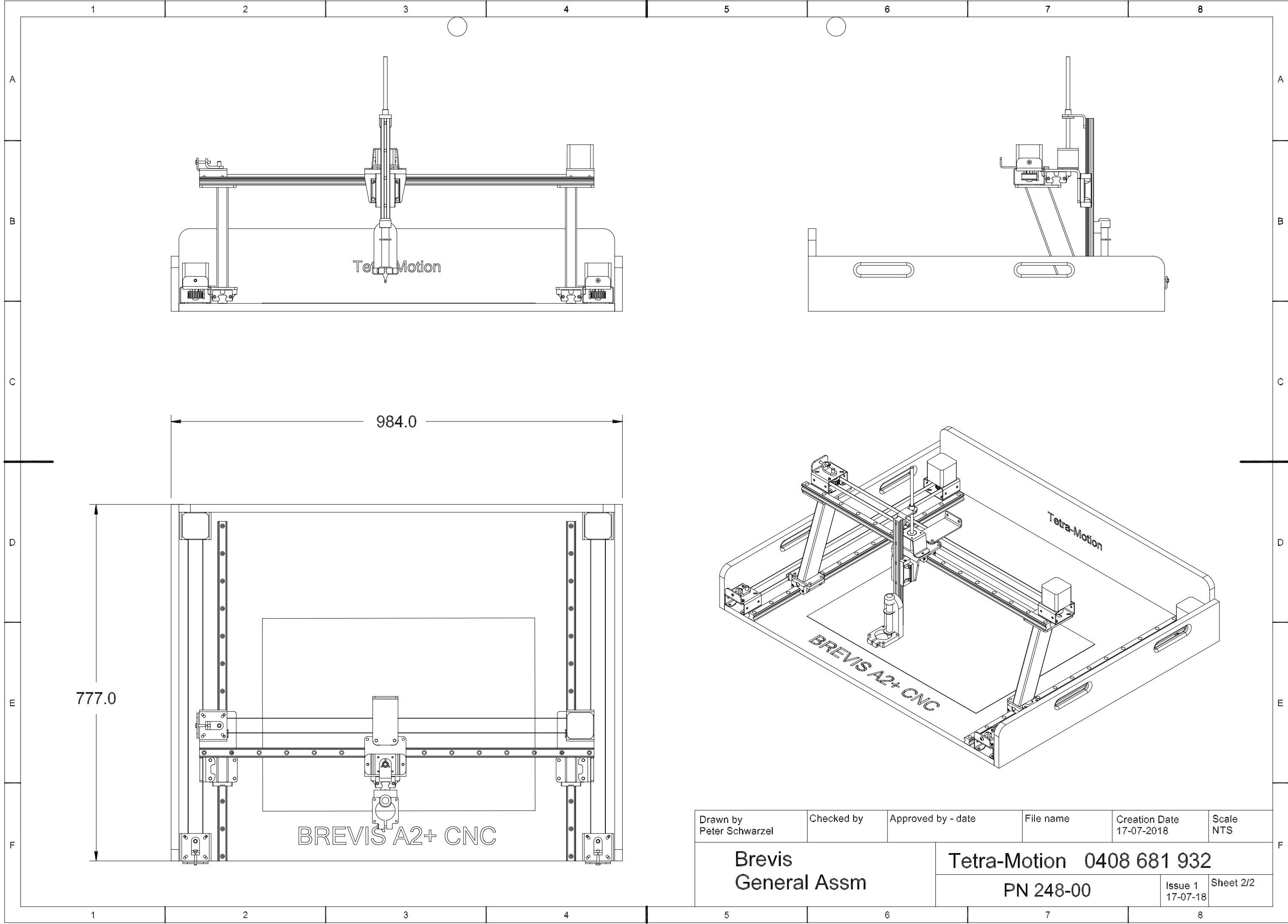
Tetra-Motion

Drawn by Peter Schwarzel	Checked by	Approved by - date	File name	Creation Date 17-07-2018	Scale NTS
Brevis General Assm		Tetra-Motion 0408 681 932			
		PN 248-00		Issue 1 17-07-18	Sheet 2/2

Tetra-Motion

BREVIS A2+ CNC

Ø31.8

Ø8.0 Drill
to fit motor supplied

(⌀22.0)
To fit bearing supplied

15.0 Boss width

Drawn by Peter Schwarzel	Checked by	Approved by - date	File name	Creation Date 8-10-18	Scale NTS

Brevis P5/10/20 Idler Pulley	Tetra-Motion 02 6679-4001		
	PN 248-09	Issue 1 8-10-18	Sheet 2/2
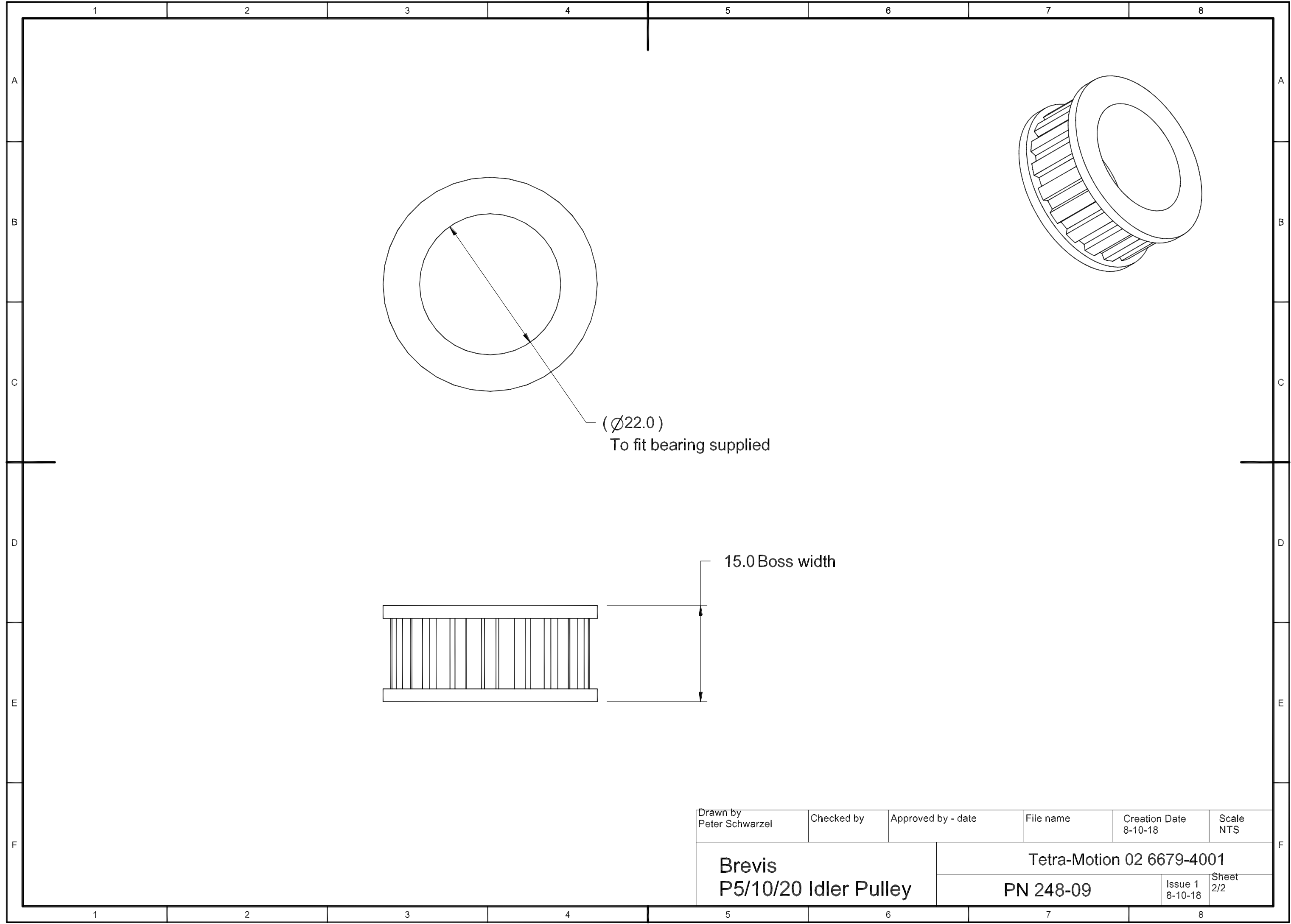
Part Name	Material	Weight
248-26 Column	Mild Steel	0.507
248-27 Column Top	Mild Steel	0.307
248-25 Column Base	Mild Steel	0.131
248-41 Belt Anchor	Wrought Steel	0.055

247.8

82.5
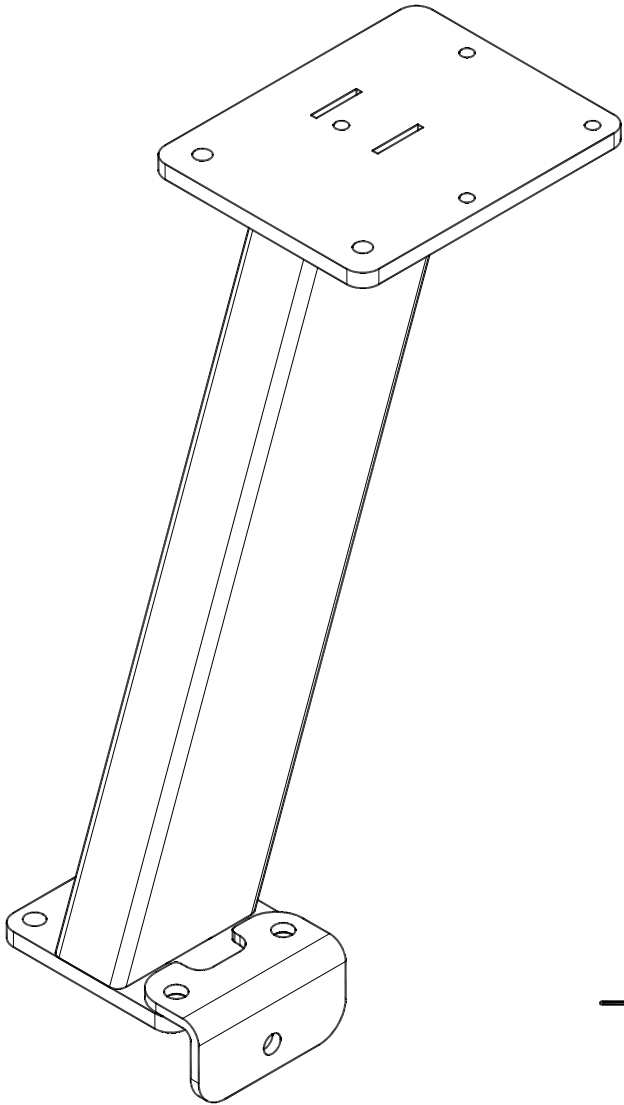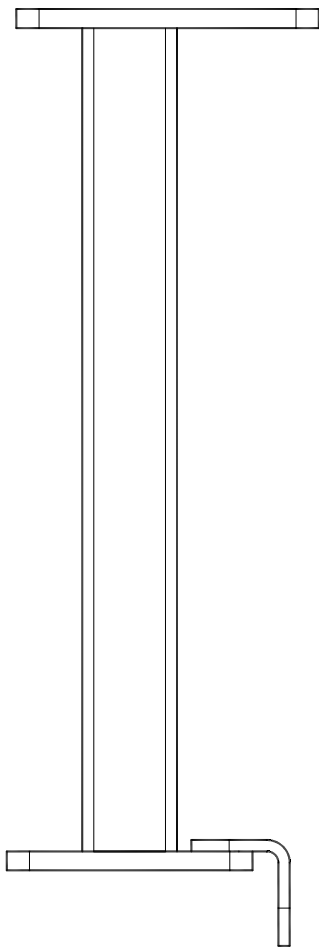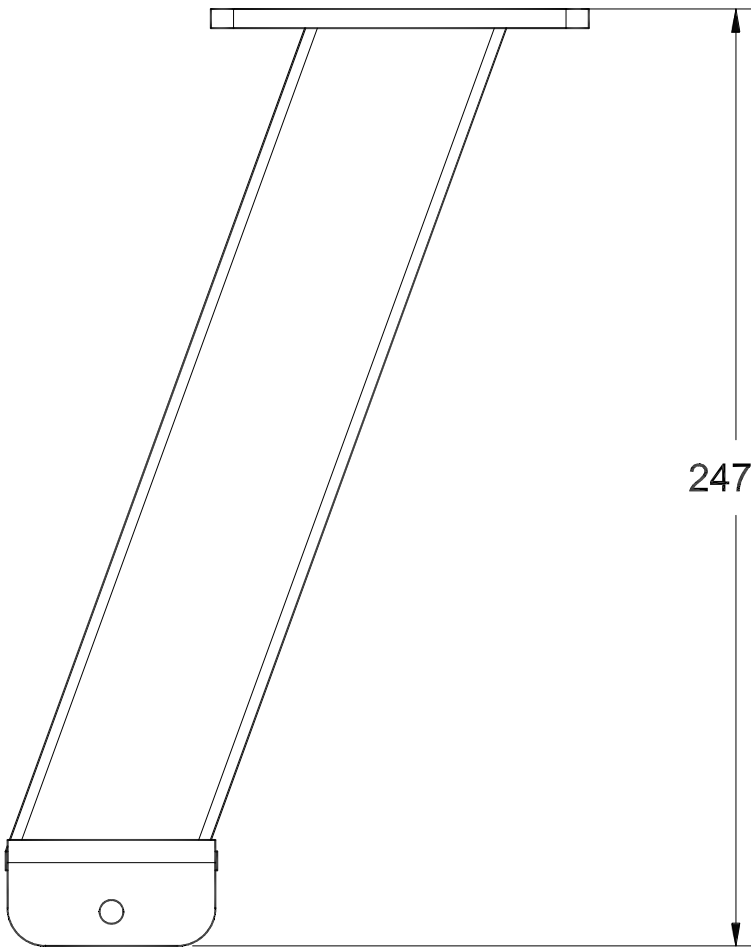
Drawn by Peter Schwarzel	Checked by	Approved by - date	File name	Date 10-04-2018	Scale NTS

Brevis Column Assm

Tetra-Motion 0408 681 932

PN 248-10 | Issue 1 | Sheet 1

86.5

73.0

53.0

76.8

90.0
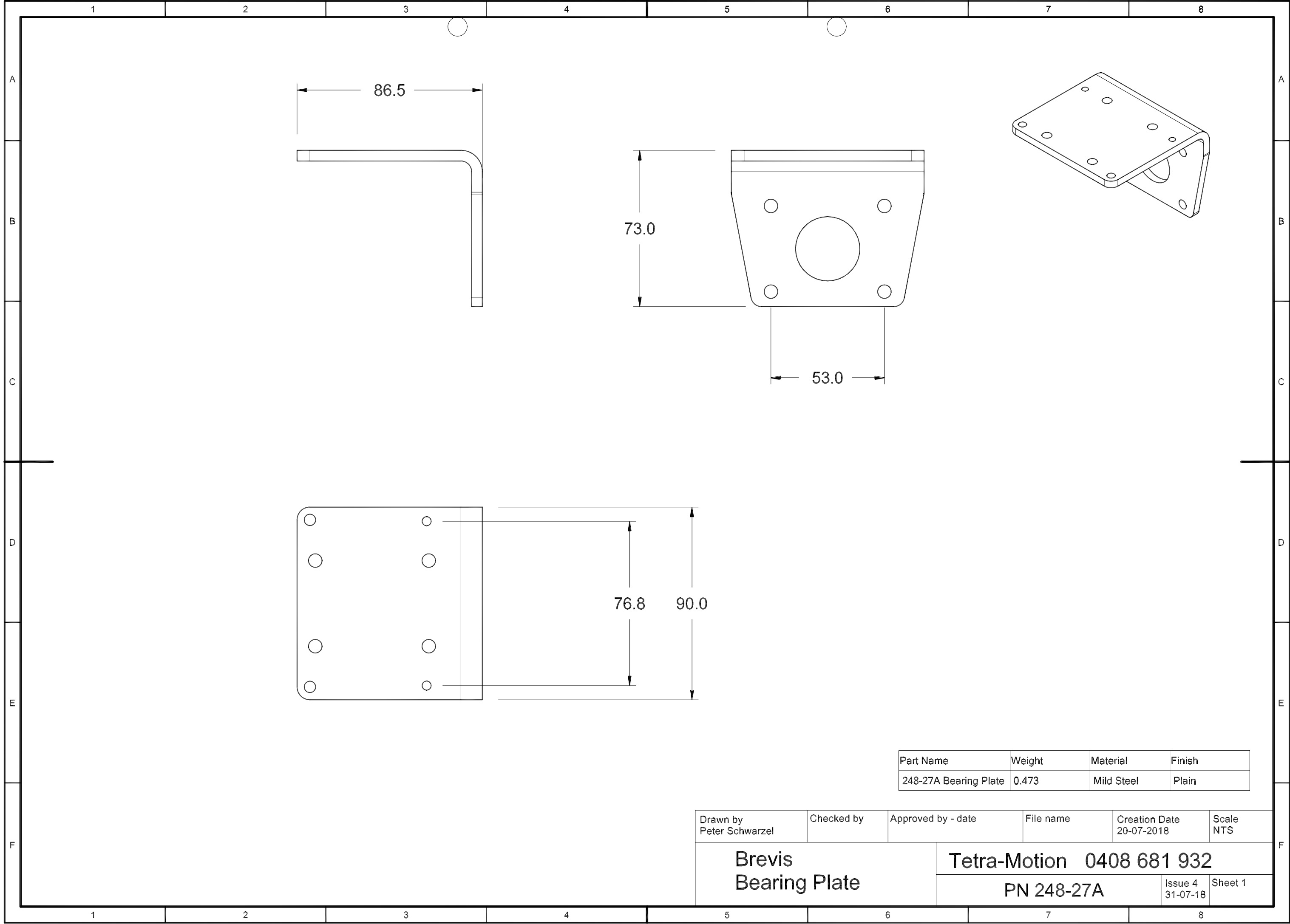
<table>
<tr><td>Part Name</td><td>Weight</td><td>Material</td><td>Finish</td></tr>
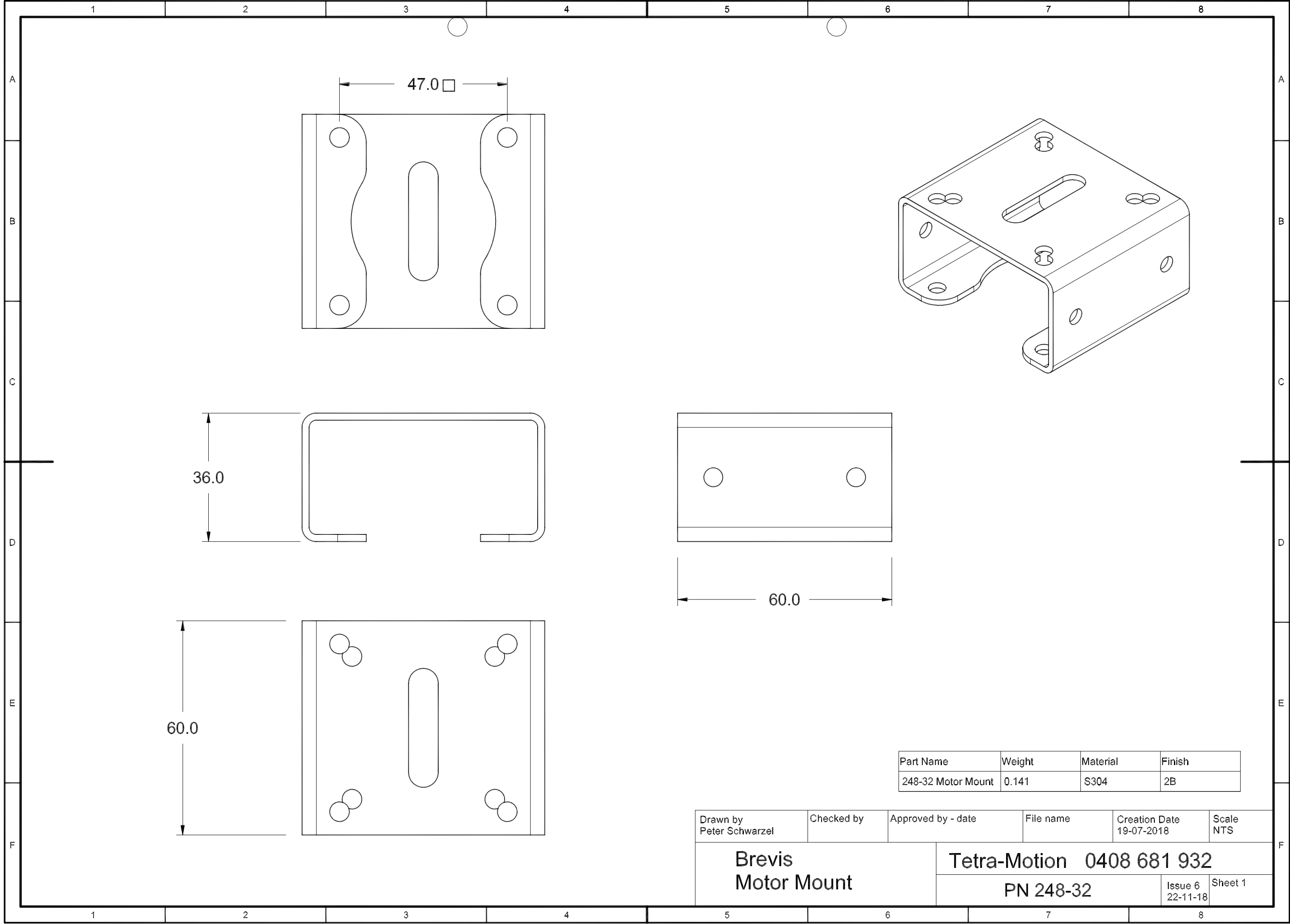<tr><td>248-27A Bearing Plate</td><td>0.473</td><td>Mild Steel</td><td>Plain</td></tr>
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Drawn by Peter Schwarzel	Checked by	Approved by - date	File name	Creation Date 20-07-2018	Scale NTS

Brevis
Bearing Plate

Tetra-Motion   0408 681 932

PN 248-27A

Issue 4
31-07-18

Sheet 1

55.0

16.0

Ø6.3 Hole
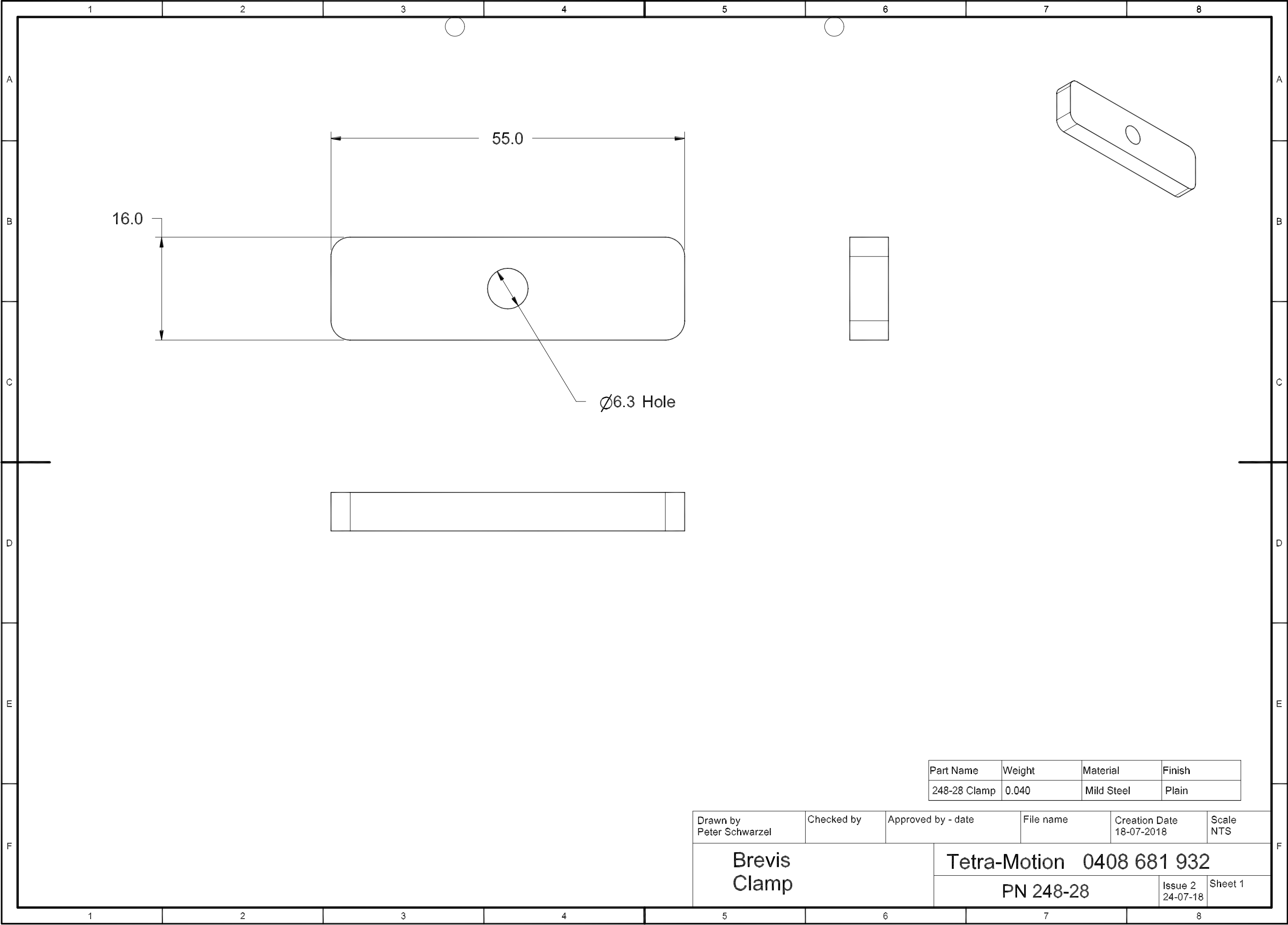
Part Name	Weight	Material	Finish
248-28 Clamp	0.040	Mild Steel	Plain

Drawn by Peter Schwarzel	Checked by	Approved by - date	File name	Creation Date 18-07-2018	Scale NTS

Brevis Clamp

Tetra-Motion   0408 681 932

PN 248-28

Issue 2
24-07-18

Sheet 1

47.0 □

36.0

60.0

60.0

Part Name	Weight	Material	Finish
248-32 Motor Mount	0.141	S304	2B

Drawn by Peter Schwarzel	Checked by	Approved by - date	File name	Creation Date 19-07-2018	Scale NTS

**Brevis
Motor Mount**

Tetra-Motion   0408 681 932

PN 248-32	Issue 6 22-11-18	Sheet 1

18.0

21.0

39.0

Part Name		Weight	Material	Finish
248-34 tensioner		0.031	Mild Steel	Plain

Drawn by Peter Schwarzel	Checked by	Approved by - date	File name	Creation Date 19-07-2018	Scale NTS

Brevis Tensioner	Tetra-Motion 0408 681 932	
	PN 248-34	Issue 5 09-08-18	Sheet 1

45.0

45.5

89.9

(2.0)
thick

31.0 □

76.8

Part Name	Weight	Material	Finish
248-38 Motor Mount	0.108	Mild Steel	Plain

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Brevis
Motor Mount

Tetra-Motion   0408 681 932

PN 248-38

Issue 2
27-07-18

Sheet 1

51.0

26.0

29.0

(4.0)
Thick

38.0
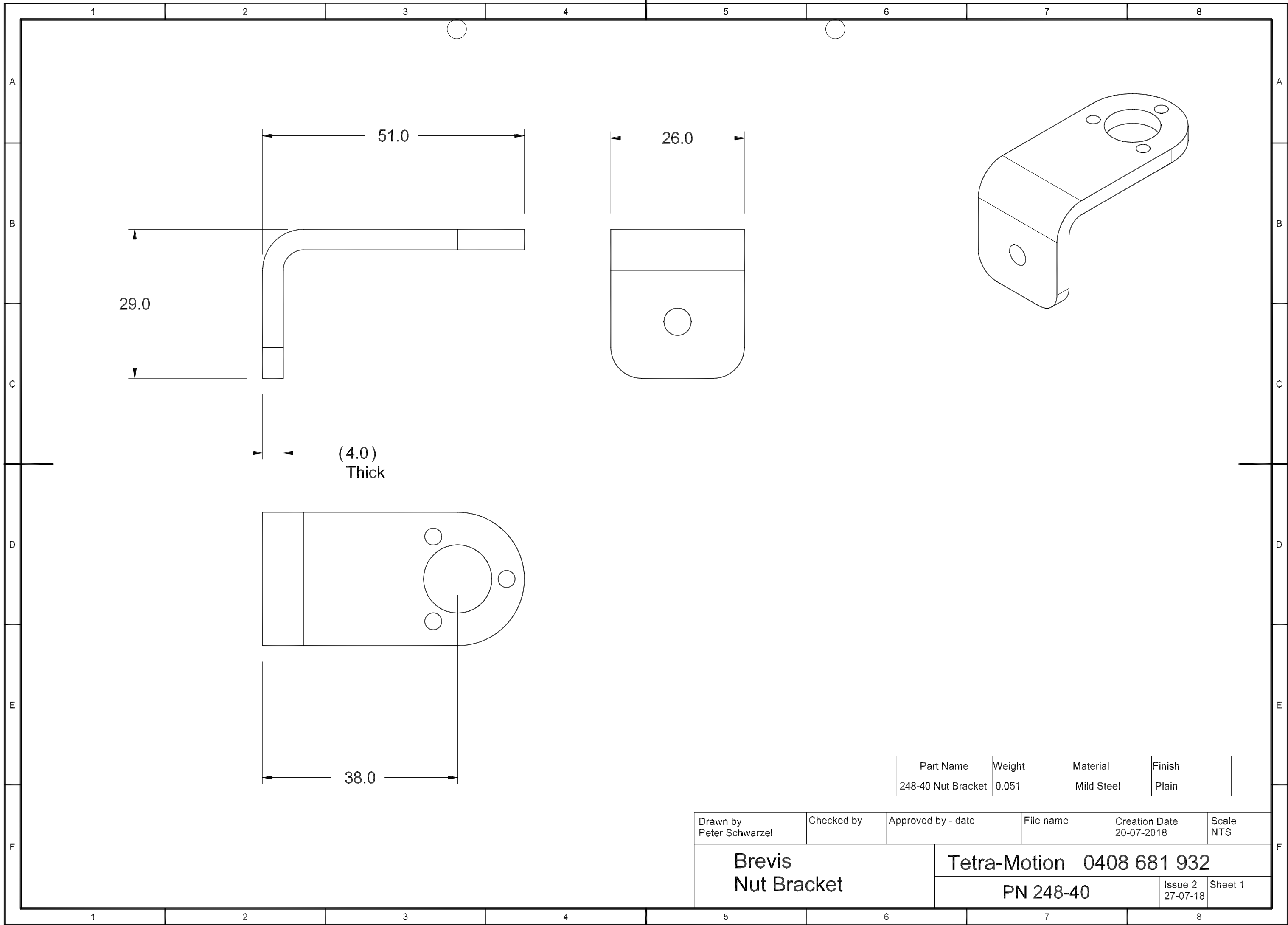
Part Name	Weight	Material	Finish
248-40 Nut Bracket	0.051	Mild Steel	Plain

Drawn by Peter Schwarzel	Checked by	Approved by - date	File name	Creation Date 20-07-2018	Scale NTS

Brevis Nut Bracket	Tetra-Motion 0408 681 932	
	PN 248-40	Issue 2 27-07-18	Sheet 1

26.0

28.0

55.0
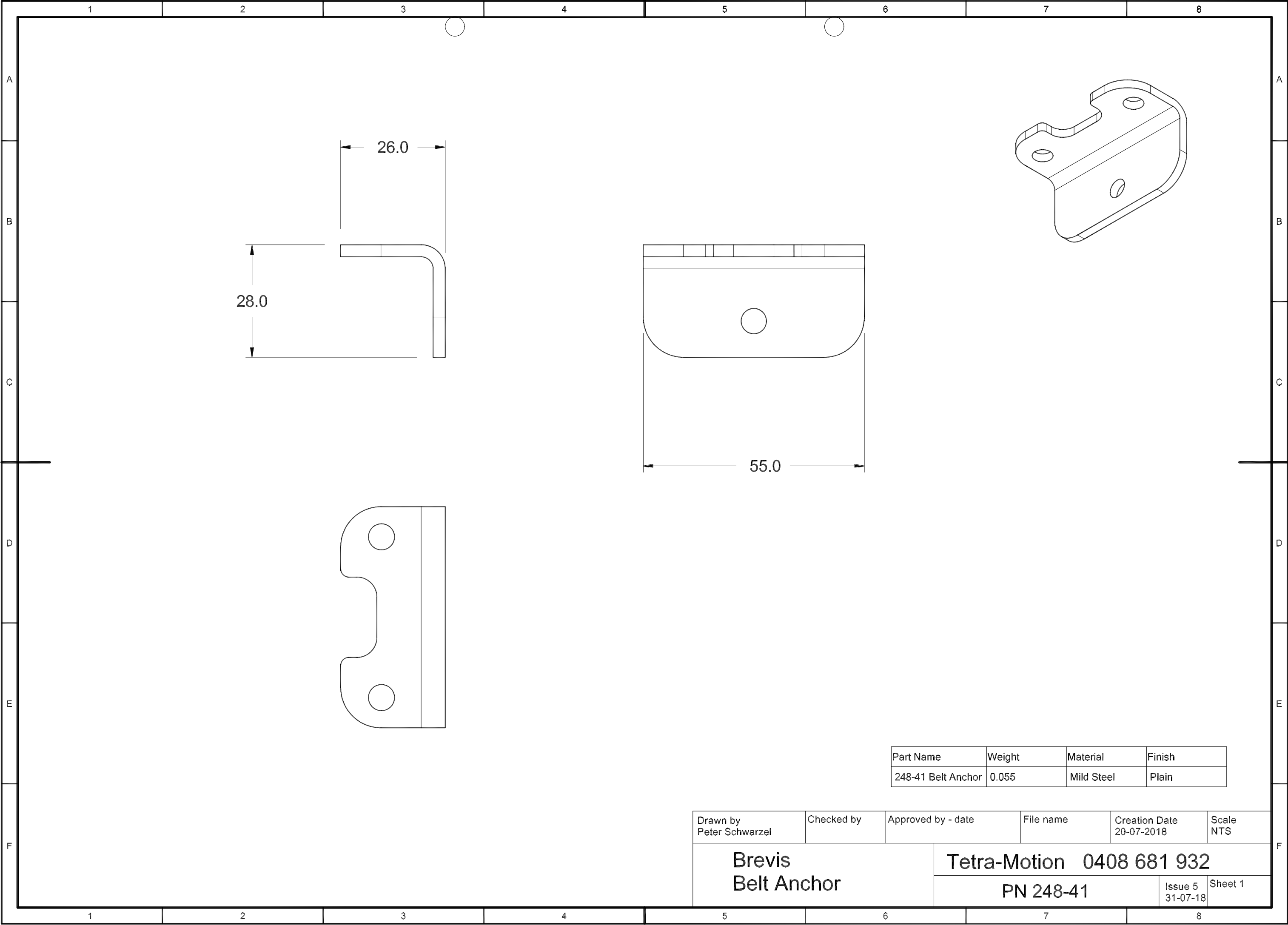
Part Name	Weight	Material	Finish
248-41 Belt Anchor	0.055	Mild Steel	Plain

Drawn by Peter Schwarzel	Checked by	Approved by - date	File name	Creation Date 20-07-2018	Scale NTS

Brevis
Belt Anchor

Tetra-Motion   0408 681 932

PN 248-41

Issue 5
31-07-18

Sheet 1

R25.0

115.0

50.0

57.0

⌀43.1

69.0

⌀4.2 Pilot Hole
M5x0.8
2 places
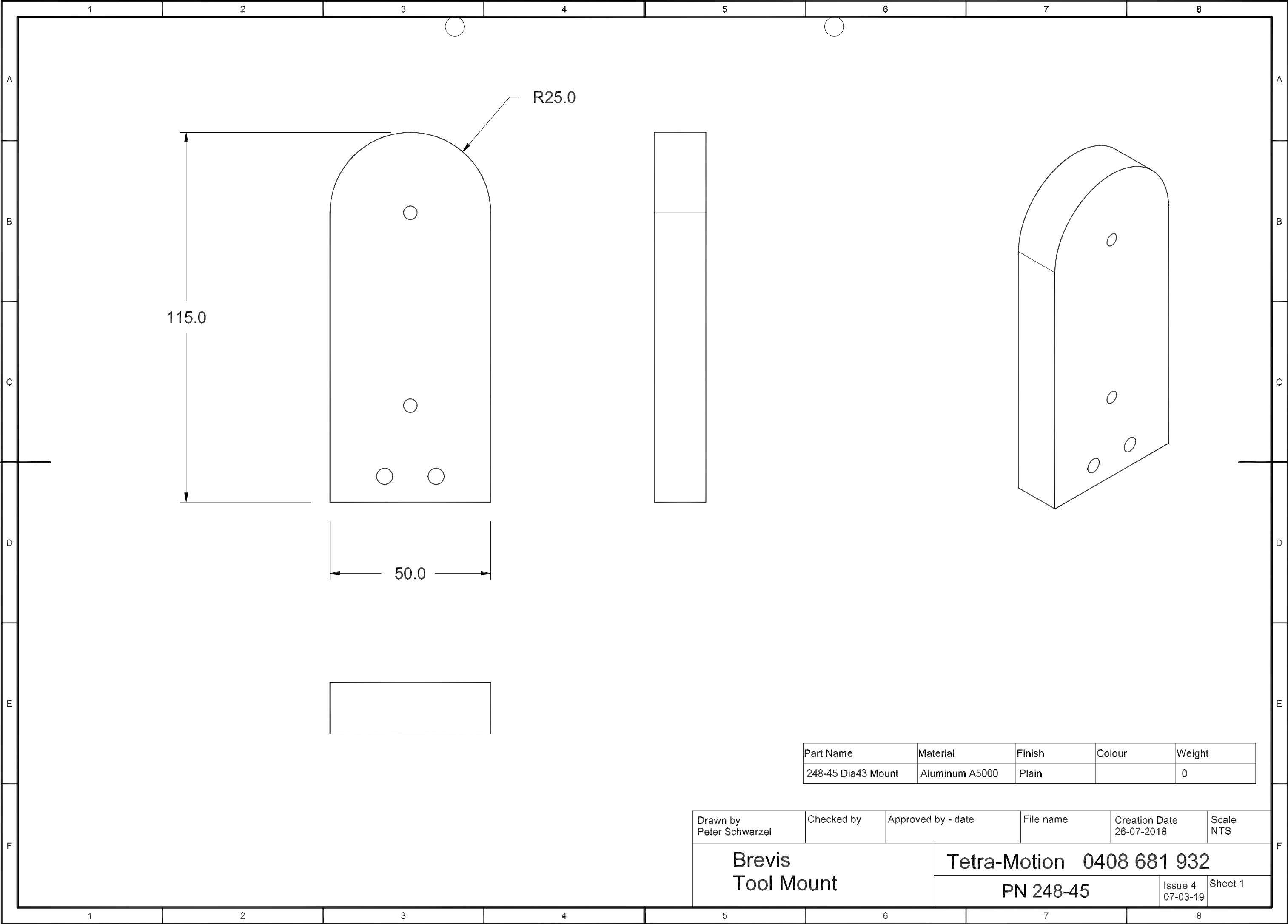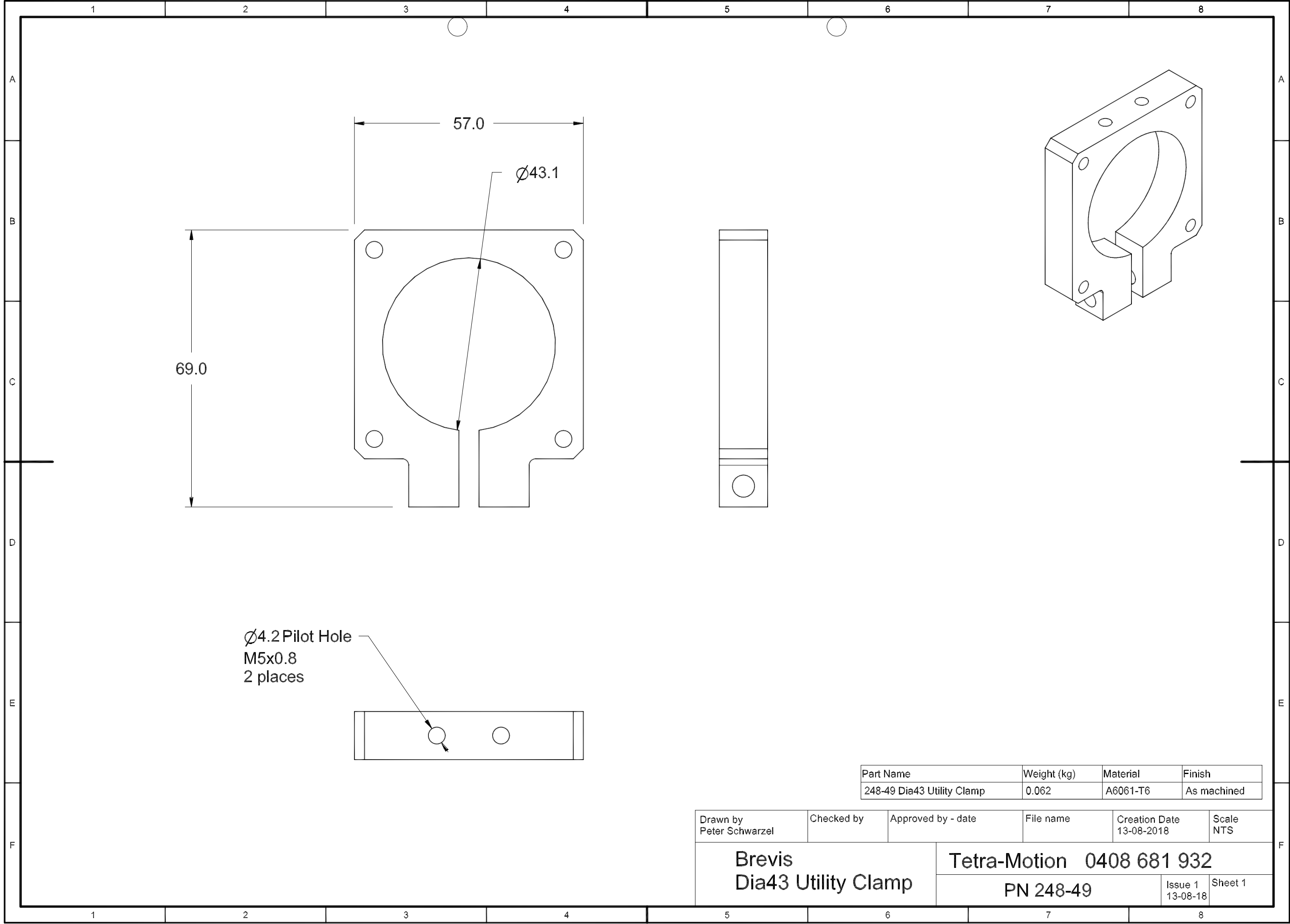
Part Name		Weight (kg)	Material	Finish
248-49 Dia43 Utility Clamp		0.062	A6061-T6	As machined

Drawn by Peter Schwarzel	Checked by	Approved by - date	File name	Creation Date 13-08-2018	Scale NTS

Brevis Dia43 Utility Clamp	Tetra-Motion 0408 681 932		
	PN 248-49	Issue 1 13-08-18	Sheet 1