

BIG BALE TRANSTACKER



Transtacker 6072 Parts Book

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Introduction

Big Bale Co South Ltd. Reserves the right to change detailed specifications from time to time. Drawings are to show indicative layouts only and are not to scale.

Besides Big Bale Co South Ltd reserves the right about part improvements and drawings.

You need know exactly the number and the year of construction of your Transtacker before you ask for genuine spare parts.

Machine Serial Number and Year of Manufacture

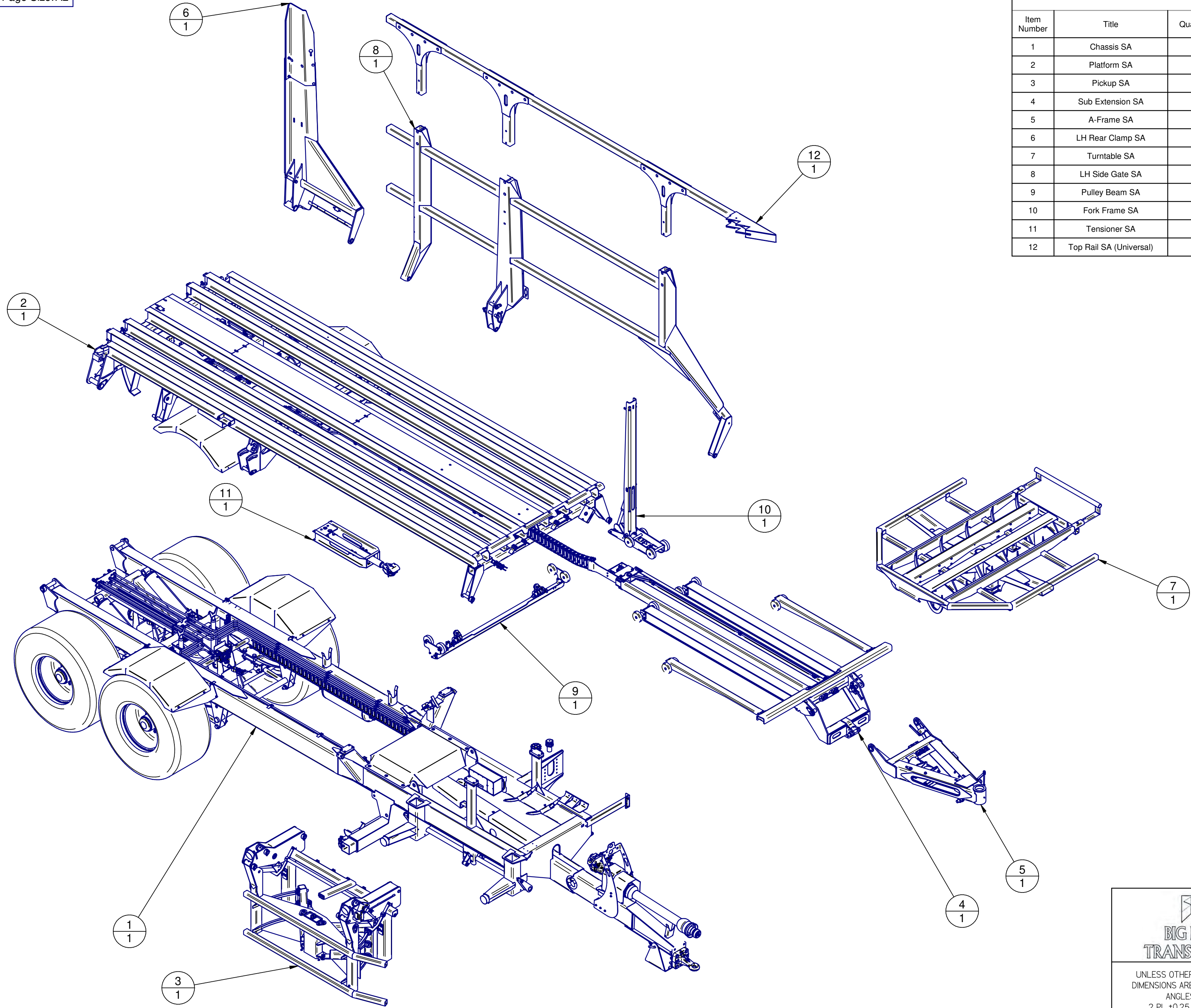
Model Year	Serial Number Code
2012 or Earlier	T
2013	DWA
2014	EWA
2015/2016	FWA

Balloon System

The balloon system shows two numbers on all drawings, the top number is the item number referred to in the part lists and the bottom number is the quantity within the particular assembly

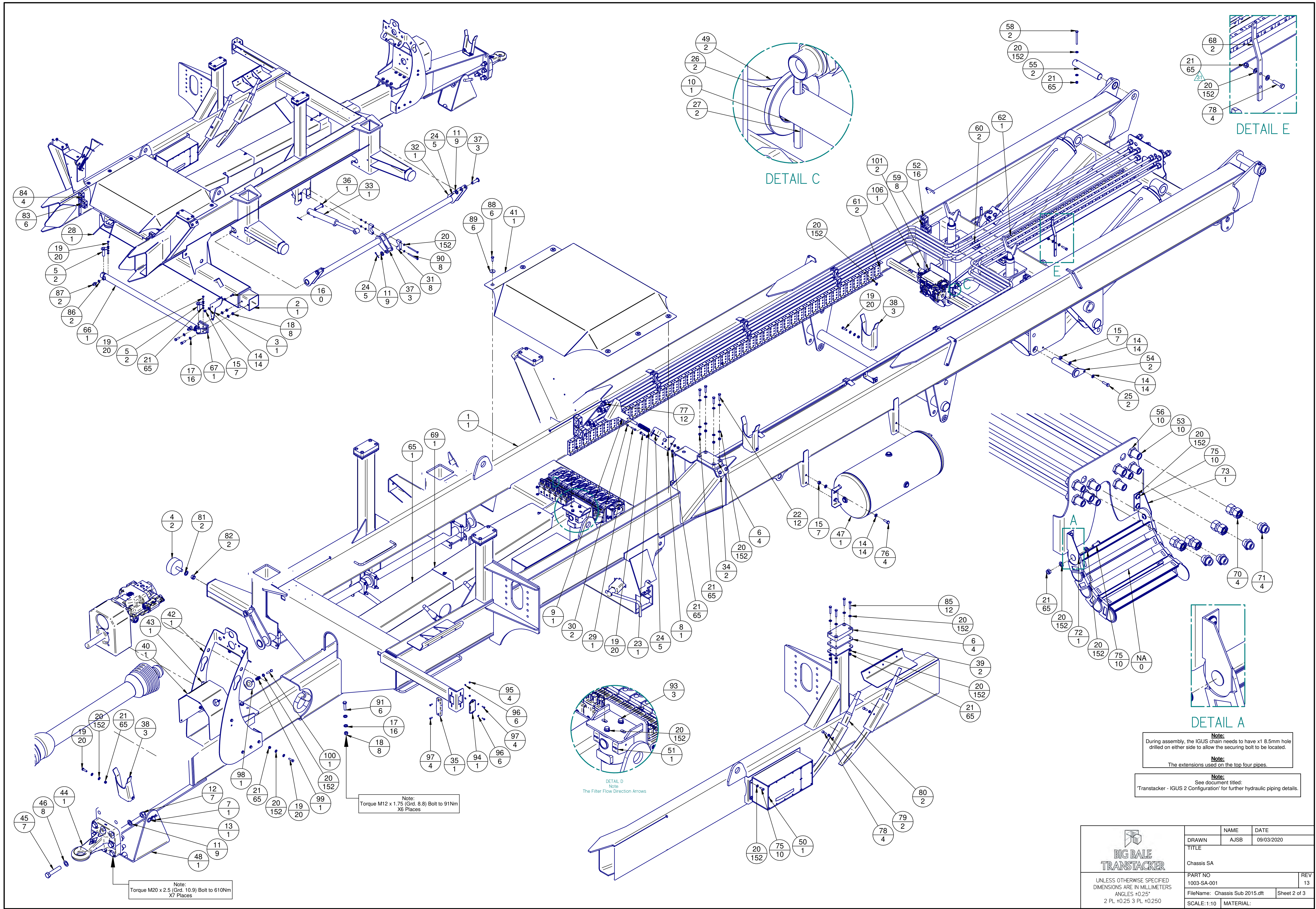
Superseded Parts

Where parts have been superseded, only the latest design of the part is shown on the drawings. However, if the new style of parts do not fit, there are older styled parts referenced by their item number in the parts table. In the comments of the table, it states which parts correspond with the year of manufacturing of the machine.



Parts List					
Item Number	Title	Quantity	Document Number	Revision number	Comments
1	Chassis SA	1	1003-SA-001	13	
2	Platform SA	1	1003-SA-005	14	
3	Pickup SA	1	1003-SA-004	9	
4	Sub Extension SA	1	1003-SA-002	9	
5	A-Frame SA	1	1003-SA-012	1	
6	LH Rear Clamp SA	1	1003-SA-013	1	
7	Turntable SA	1	1003-SA-008	2	
8	LH Side Gate SA	1	1003-SA-010	1	
9	Pulley Beam SA	1	1003-SA-006	8	
10	Fork Frame SA	1	1003-SA-003	8	
11	Tensioner SA	1	1003-SA-009		
12	Top Rail SA (Universal)	1	1003-SA-014		

 BIG BALE TRANSTACKER UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES ±0.25° 2 PL ±0.25 3 PL ±0.250	NAME	DATE
	DRAWN T E Bradbury	28/05/2020
	TITLE	
	PART NO	REV
Title: Transtacker 2015 MA Exploded Drawing Sheet 1 of 1		
SCALE: 1:28.5 MATERIAL:		



Note:
Torque M12 x 1.75 (Grd. 8.8) Bolt to 91Nm
X6 Places

Note:
Torque M20 x 2.5 (Grd. 10.9) Bolt to 610Nm
X7 Places

DETAIL D
Note:
The Filter Flow Direction Arrows

Note:
During assembly, the IGUS chain needs to have x1 8.5mm hole drilled on either side to allow the securing bolt to be located.
Note:
The extensions used on the top four pipes.

Note:
See document titled:
"Transtacker - IGUS 2 Configuration" for further hydraulic piping details.

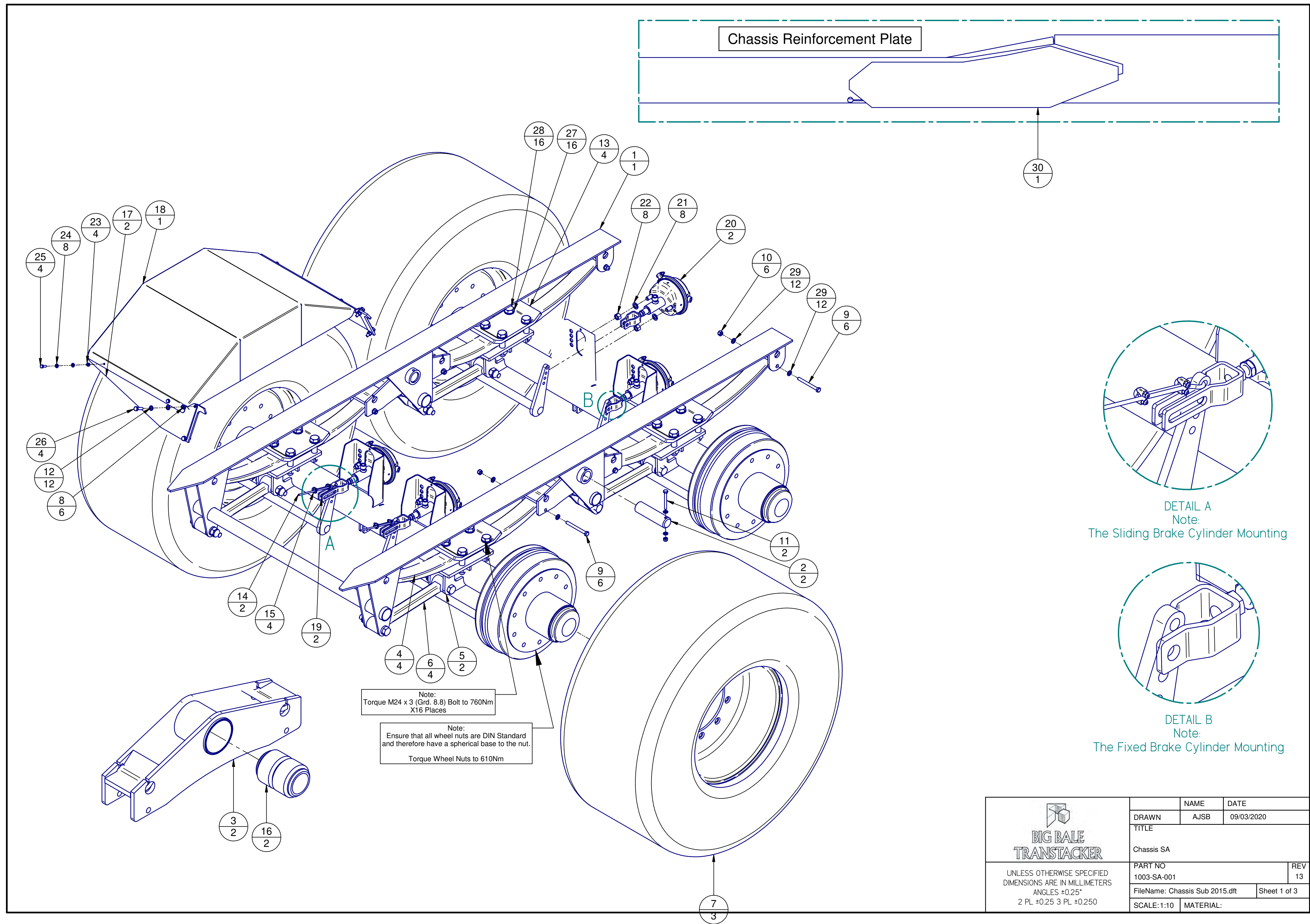
	NAME	DATE
	DRAWN	AJSB 09/03/2020
	TITLE	
	Chassis SA	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES ±0.25° 2 PL ±0.25 3 PL ±0.250	PART NO	REV
	1003-SA-001	13
	FileName: Chassis Sub 2015.dft	Sheet 2 of 3
	SCALE:1:10	MATERIAL:

Chassis Assembly Parts				
Item No.	Part No.	Title	Qty	Comments
1		Chassis 2015	1	Modified - 2015
2	TS-22680305	Guide Bar WA	1	
3		Latch Cam	1	
4	TS-92680511	Pick Up Stop	2	
5	TS-22680332	PIN 20/80	2	
6	TS-92680166	STOP BLOCK	4	
7	TS-22680419	STAND PIN	1	
8	TS-22680896	Extension Switch Plt.	1	
9	TS-22681312	Switch Plunger	1	
10	TS-92680520	ASSIST PIN	1	
11		M20 Washer	9	
12		M20 Nyloc	7	
13		4.5mm R-Clip	1	
14		M10 Washer	14	
15		M10 Nyloc	7	
16*		M12 x 40mm Hex Bolt	2	M12 Hex Bolt x40mm
17		M12 Washer	16	
18		M12 Nyloc	8	M12 x 1.75mm Nyloc
19		M8 x 30mm Hex Bolt	20	M8 Hex Bolt - 1.25x30mm
20		M8 Washer	152	M8 Flat Washer
21		M8 Nyloc	65	M8 x 1.25mm Nyloc
22		M8 x 40mm Hex Bolt	12	M8 Hex Bolt - 1.25x40mm
23	TS-92680230	Ext. Switch Spring	1	
24		4 x 50mm Split Pin	5	
25		M10 x 40mm Hex Set Screw	2	M10 Hex Set Screw x40mm
26		M24 Washer	2	
27		6 x 60mm Split Pin	2	
28	TS-92680352	6mm Handbrake Cable	1	
29		M6 x 30 Hex Set Screw	1	M6 Hex Set Screw x30mm
30		M6 Plain Nut	2	
31	TS-92680167	HOOK BEARING	8	
32	TS-22680596	PU Adjuster Tube	1	

33	See Hydraulic	Pickup Height Adjust Cylinder	1	
34	TS-92680522	SIDE STOP BLOCK	2	
35	TS-92680517LED	Side Marker Light (White)	1	
36	TS-22680321	Pin 20x85 Long WA.	1	
37	TS-22680583	20x75mm Pin	3	
38		PTO Rest	3	
39	MSK333	4mm Turntable Stop Spacers	2	
	MSK334	6mm Turntable Stop Spacers		
40	TS-22680827	PTO Shield	1	
41	TS-22681416	Valve Cover	1	Modified 2015
42	TS-22680621	Pipe Carrier Complete	1	2014/2015 Tool Post
	TS-22680619			2013 and before tool post
43	TS-22680824	Gearbox Plate WA	1	
44	TS-22680344	Walterscheid Hitch Eye	1	
45		M20 x 100 Hex Set Screw	7	M20 Hex Set Screw x100mm
46		M20 Washer	8	
47		Air Tank Asm.	1	
48	TS-22680614	STAND	1	
49		Platform Lift Assist Cylinder	2	
50		ECU Enclosure Complete	1	
51		High Pressure Filter (MP Filtri)	1	
52		15mm Double Pipe Clamp	16	
53		15L Bulkhead Fitting	10	
54	TS-22680315	Pin Solid 40/200	2	
55	TS-22680333	Pivot Pin -40x220mm Ling	2	For 2015/FWA Chassis
	TS-22680315-S	Oval Solid Pin - 200x40mm	2	For 2014/EWA Chassis
	TS-22680315	Oval Grease Nipple 40x200mm		For 2013/DWA and previous
56		15L Bulkhead Nut	10	
57		15L Metric Nut	24	
58		M8 x 90mm Hex Bolt	2	M8 Hex Bolt - 1.25x90mm
59		15mm Double Pipe Clamp	8	
60		15mm Single Pipe Clamp	2	
61		100mm Cable Tray - 2700mm	2	
62		100mm Cable Tray - 1040mm	1	

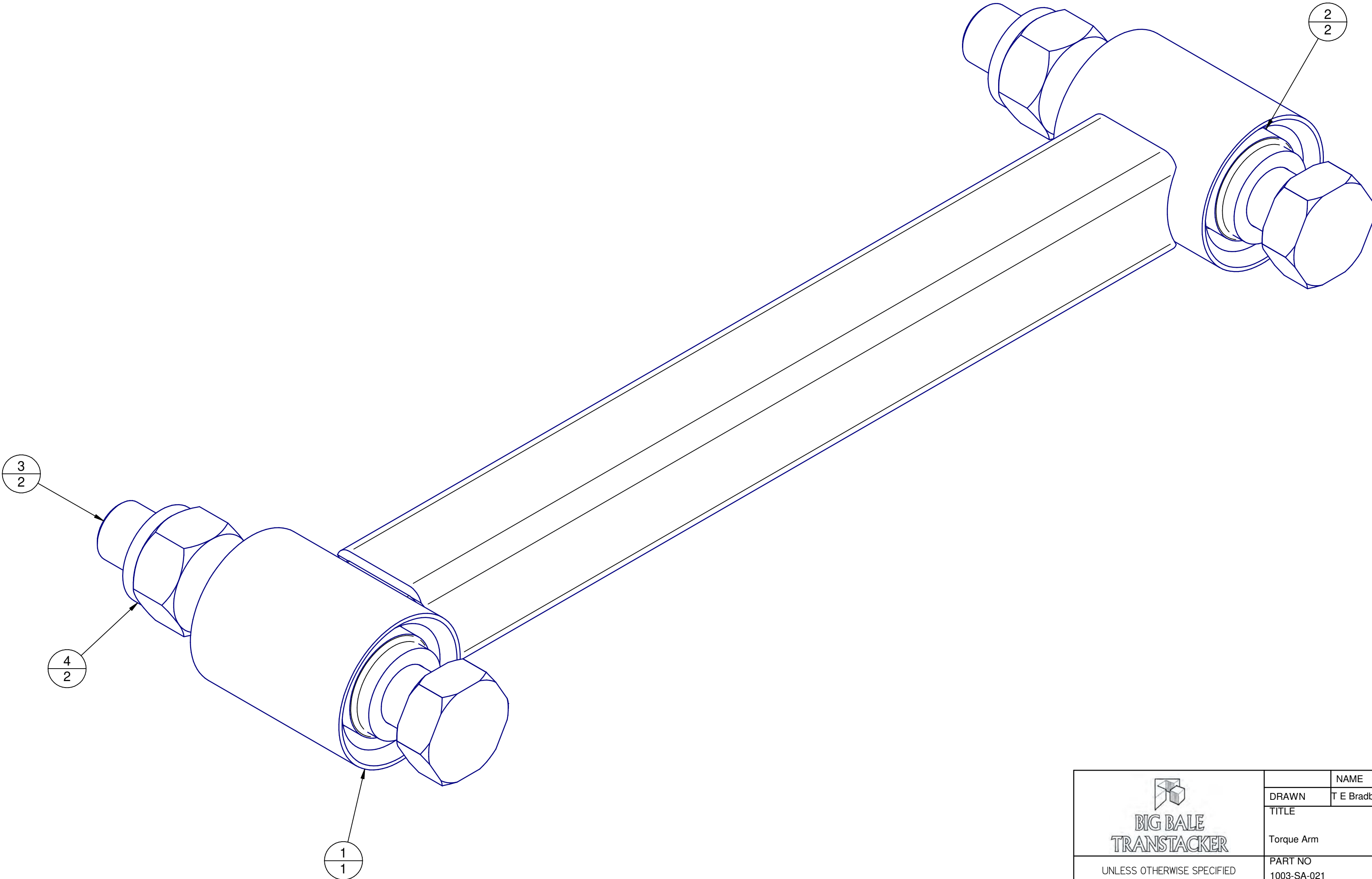
65		Front Pipe Cover	1	
66		Guidebar Cylinder	1	
67		Guide Cyl. Bracket	1	Modified - 2015
68		Assistor Spring Bracket	2	
69		Rear Pipe Cover	1	Modified - 2015
70		15L Straight Swivel Coupling	4	
71		15L Straight Connector	4	
72		L/H IGUS Bracket	1	
73		R/H IGUS Bracket	1	
74*		IGUS Chain 2	1	
75		M8 x 25mm Dome Head Bolt	10	M8 Dome Head Bolt -25mm
76		M10 x 30mm Hex Bolt	4	M10 Hex Bolt - 1.50x30mm
77		15L - 1/2" M/M Adaptor	12	
78		M8 x 35mm Hex Bolt	4	M8 Hex Bolt - 1.25x35mm
79		M8 Plain Nut	2	
80		Pickup Tine	2	
81		M16 Washer	2	
82		M16 Nyloc	2	
83		1/2" Twin Pipe Clamp	6	
84		1/2" Twin Cap Plate	4	
85		M8 x 45mm Hex Bolt	12	M8 Hex Bolt x45mm Long
86		3/8 BSP Dowty Washer	2	
87		3/8 BSP - M/M Adaptor	2	
88		M8 x 25mm Hex Bolt	6	M8 Hex Bolt x25mm
89		M8 Washer - Large	6	M8 Large Penny Washer
90		M8 x 110mm Hex Bolt	8	M8 Hex Bolt - 1.25x110mm
91		M12 x 50mm Hex Bolt	6	M12 Hex Bolt x50mm
93		M8 x 20mm Hex Set Screw	3	M8 Hex Set Screw x20mm
94		Amber Reflector	1	
95		M5 Nyloc	4	
96		M5 Flat Washer	6	
97		Screw GB/T 818 - M5 x 16 - H	4	
98	700137803	PTO Grease Hole Cover	1	
99	TS-758342	PTO Grease Hole Cover Spring	1	

100		M8 x 60mm Hex Bolt	1	M8 Hex Bolt x60mm Long
101		15L - 3/8" M/M Adaptor	2	
102*		Steel Pipe Bracket	1	
104		Air/Hydraulic Brake Actuator	2	
105		Air/Hydraulic Brake Actuator	2	
106		Wabco ABS Modulator	1	



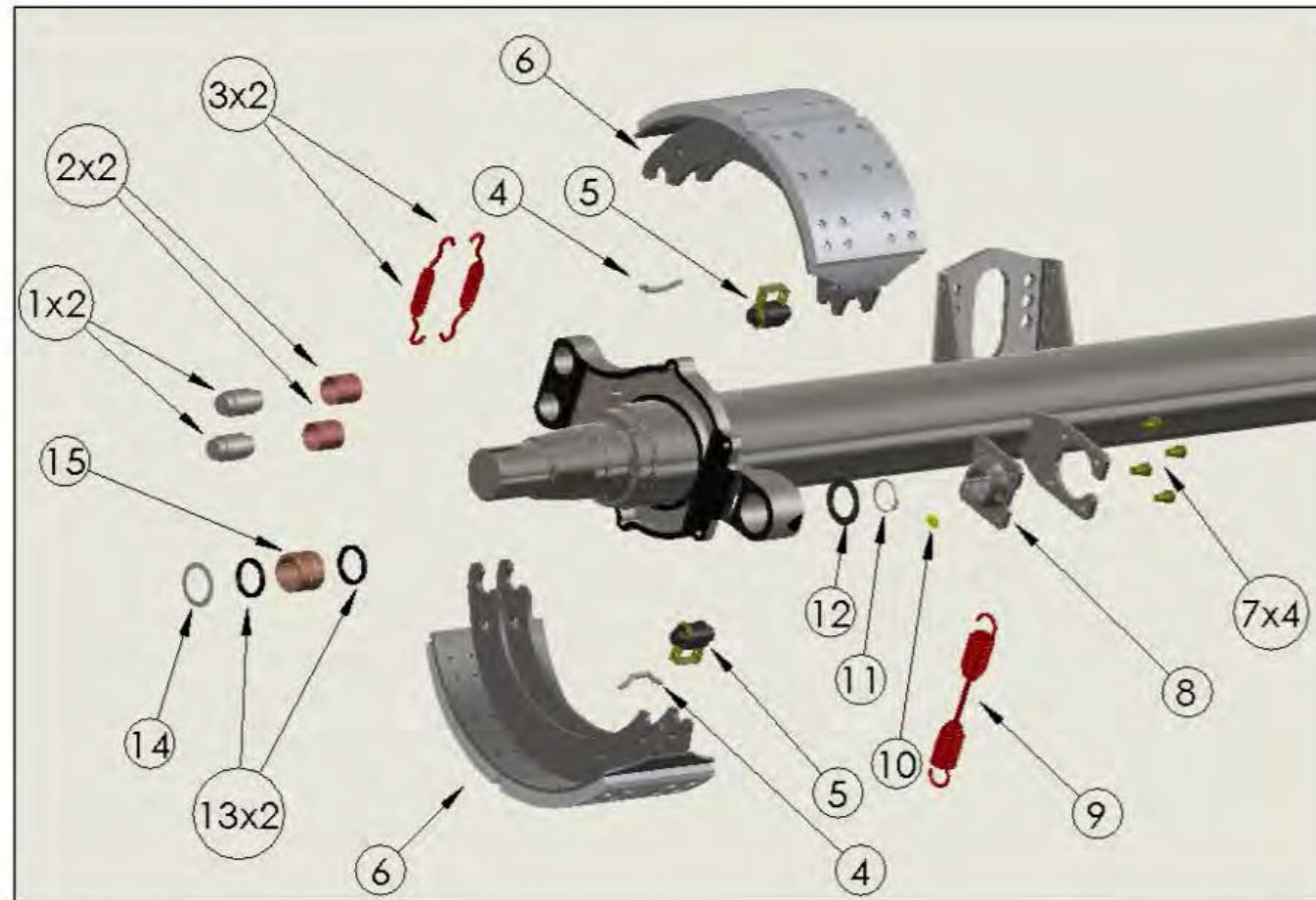
 BIG BALE TRANSTACKER	DRAWN	NAME	DATE
	AJSB	AJSB	09/03/2020
	TITLE		
	Chassis SA		
	PART NO		
1003-SA-001	REV		13
	FileName: Chassis Sub 2015.dft		Sheet 1 of 3
	SCALE: 1:10		MATERIAL:

Running Gear Assembly Parts				
Item No.	Part Number	Title	Quantity	Comments
1		Chassis 2015	1	
2	TS-92680161	Balance Pin	2	
3	TS-22680217	Balance Beam	2	
4	TS-92680028	Mono Leaf Spring	4	
5		Axle WA 2015	2	
6	See Drawing	Torque Arm	4	
7		Wheel - Complete	3	
8		M10 Nyloc	6	M10 x 1.50mm Nyloc
9		M12 x 120mm Hex Bolt	6	M12 Hex Bolt x120mm
10		M12 Nyloc	6	M12 x 1.75mm Nyloc
11		M10 x 90mm Hex Bolt	2	M10 Hex Bolt x90mm
12		M10 Washer	12	M10 Flat Washer
13		Top Axle Plate	4	
14	TS-92680352	6mm Handbrake Cable	2	
15	TS-92680344	6 mm CABLE CLAMP	4	
16	TS-92680231	Balance Bush	2	
17		Mud Wing Bracket	2	
18		Mud Wing	1	
19		Air/Hydraulic Brake Actuator	2	
20		Air/Hydraulic Brake Actuator	2	
21		M16 Washer	8	
22		Hex nut ISO 8674 - M16x1,5	8	
23		M8 Nyloc	4	
24		M8 Washer	8	
25		M8 x 25mm Hex Bolt	4	M8 Hex Bolt x25mm
26		M10 x 40mm Hex Set Screw	4	M10 Hex Set Screw x40mm Long
27		M24 Washer	16	
28		M24 x 110mm Hex Bolt	16	M24 Hex Bolt 110mm
29		M12 Washer	12	
30	TS-22680904	Chassis Reinforcement Plate	1	

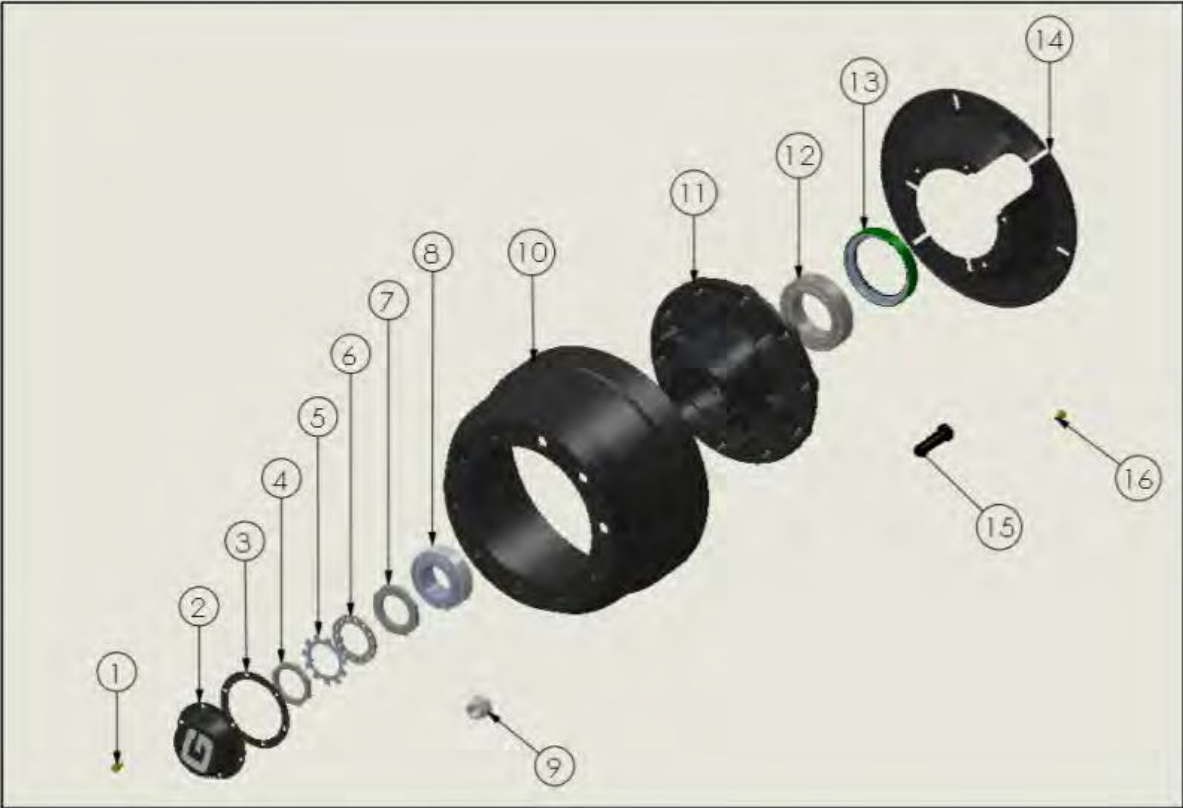


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	DRAWN	T E Bradbury	11/03/2020
	TITLE		
	Torque Arm		
	PART NO	REV	
1003-SA-021			
File Name Torque Arm SA Parts Book Page 48		Sheet 1 of 1	
SCALE:1:1		MATERIAL:	

Torque Arm Assembly Components				
Item No.	Part Number	Title	Quantity	Comments
1	TS-22680443	LONG TORQUE ARM WA.	1	
2	TS-92680233	TORQUE ARM BUSH KIT	2	
3	TS-93122110109	HEX BOLT	2	Dia. 7/8" x 6"
4		NYLOC	2	7/8"



Brake Assembly Parts Page 1				
Item No.	Part Number	Title	Quantity	Comments
1		Anchor Pin	4	
2		Bush Anchor Pin	4	
3	GR61141	Brake Shoe Retaining Spring	4	
4		Brake Shoe Assembly	4	
	GR61150	Spring Anchor Bar	4	
5		Retainer Cam Roller	4	
		One Piece Cam Roller	4	
6	GR61157	Brake Shoe	4	
7		M10x20 Screw	8	
8		Camshaft Spherical Bearing	2	
9	GR61140	Spring Return	2	
10		Greaser 1/8 NPT 45	2	
11		Circlip	2	
12		Support Washer Camshaft	2	
13		Camshaft Grease Seal	4	
14		Camshaft Beveled Washer	2	
15		Camshaft Sintered Bush	2	

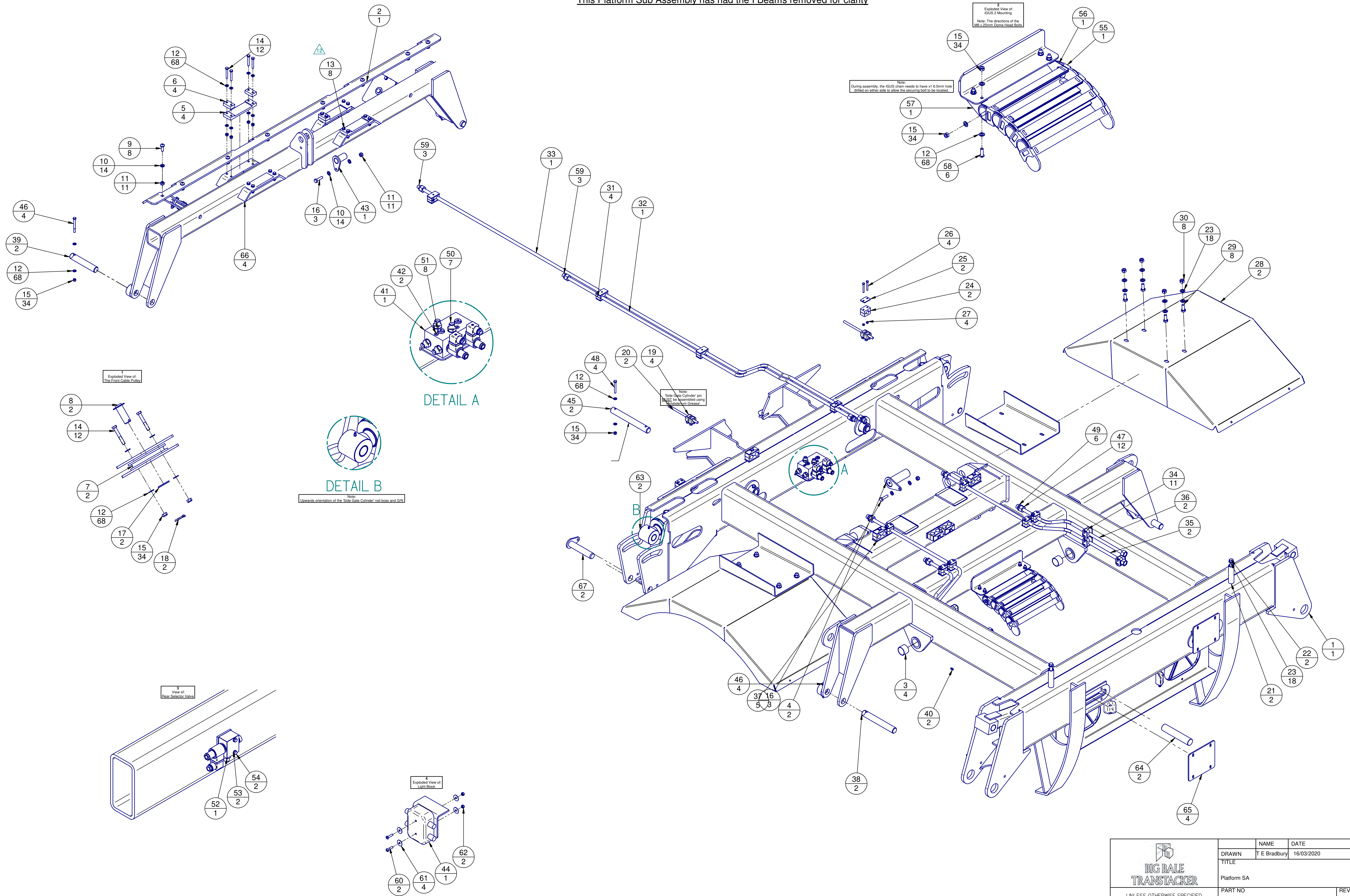


Brake Assembly Parts Page 2				
Item No.	Part Number	Title	Quantity	Comments
1		Screw M8 x 16 Fl. Head	12	
2	GR61322	Hub Cap Pressing 'G'	2	
3	GR61330	Gasket	2	
4	Part of GRAK100	Locknut	2	
5	Part of GRAK100	Tab Washer	2	
6	Part of GRAK100	Lock Washer	4	
7	Part of GRAK100	Adjusting Nut	2	
8	GR61265	Outer Bearing	2	
9	GR61381	Wheel Nut	20	
10	GR61243	Brake Drum 10 Stud	2	
11	GR61253	Hub Spigot 10 Stud	2	
12	GR61264	Inner Bearings	2	
13	GR61282	Unitised Grease Seal	2	
14		Dust Cover	20	
15	GR61386	Wheel Bolt M22 ISO	20	
16		Screw M8 x 16 Fl. Head	12	

Older Style Tool Post and Airline Parts



This Platform Sub Assembly has had the I Beams removed for clarity

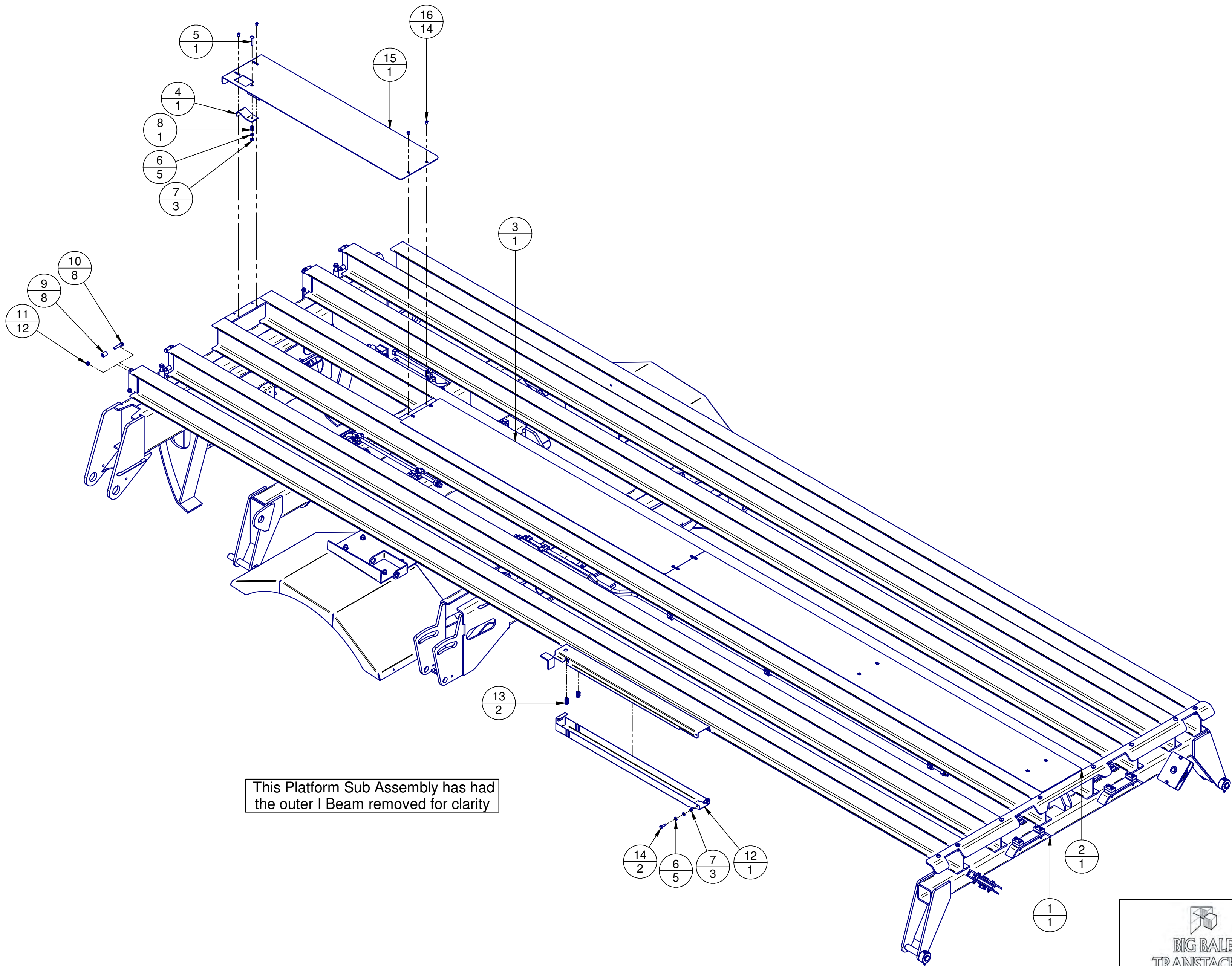


	NAME	DATE
	DRAWN T E Bradbury	16/03/2020
	TITLE	
	Platform SA	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS ANGLES ±0.25° 2 PL ±0.25 3 PL ±0.250	PART NO	REV
	1003-SA-005	14
	File Path: Sub 2014 Parts Book Pages Sheet 1 of 2	
	SCALE: 1:8.33 MATERIAL:	

Platform Assembly Parts (Part 1)				
Item No.	Part Number	Title	Quantity	Comments
1		Platform 2015	1	Modified - 2015
2	TS-22680232	EXT. FIXING PLATE	1	
3	TS-92684030	Bush 40x44x30	4	
4	TS-22680330	Pin 40x125mm Long WA.	2	Modified - 2015
5	TS-92680155	Extension Bearing	4	
6	TS-92680156	EXT. SIDE BEARING	4	
7	TS-92680532	FRONT CABLE PULLEY	2	
8	TS-22680322	PIN 20/60mm WA.	2	
9		M10 x 30mm Dome Bolt	8	
10		M10 Washer	14	M10 Flat Washer
11		M10 Nyloc	11	M10 x 1.50mm Nyloc
12		M8 Washer	68	M8 Flat Washer
13		M8 x 40mm Hex Bolt	8	M8 Hex Bolt - 1.25x40mm
14		M8 x 60mm Hex Bolt	12	M8 Hex Bolt - 1.25x60mm
15		M8 Nyloc	34	M8 x 1.25mm Nyloc
16		M10 x 40mm Hex Set Screw	3	M10 Hex Set Screw 40mm Long
17		M20 Washer	2	M20 Flat Washer
18		4 x 50mm Split Pin	2	Dia.4mm x 50mm Long
19	TS-92680345	10mm Cable Clamp	4	
20	TS-92680349	Fork Cable	2	
21	TS-92680232	FORK SPACER TUBE	2	
22		M12 x 120mm Hex Bolt	2	M12 Hex Bolt - 1.75x120mm
23		M12 Washer	18	M12 Flat Washer
24		SP2 Single Pipe Clamp	2	
25		SP2 Single Cap Plate	2	
26		M6 x 50mm Hex Bolt	4	M6 Hex Bolt - 1x50mm
27		M6 Nyloc	4	M6 x 1mm Nyloc
28	TS-22681356	Rear Mud Wing	2	
29		M12 x 30mm Hex Bolt	8	M12 Hex Bolt - 1.75x30mm
30		M12 Nyloc	8	M12 x 1.75mm Nyloc
31		15mm Double Pipe Clamp	4	
32		TS Steel Pipe 09 - 2015	1	

33		TS Steel Pipe 08 - 2015	1	
34		15mm Single Pipe Clamp	11	
35		TS Steel Pipe 10 - 2015	2	
36		TS Steel Pipe 11 - 2015	2	
37		1/2 Double Pipe Clamp	5	
38	TS-22680360	Rear Clamp Pin	2	For EWA and FWA Machines
	TS-22680314?	30x 185mm Oval Pin	1	FOR DWA and Earlier Machines
39	TS-22680361	Front Side Gate Pin	2	For EWA and FWA Machines
	TS-22680312	Front Side Gate Pin	2	FOR DWA and Earlier Machines
40		6mm Grease Nipple	2	
41	See Hydraulic	Side Gate Diverter Block	1	
42		M8 x 70mm Socket Screw	2	M8 Hex Socket Screw 70mm Long
43	TS-92680583	Extension Cyl. Pin	1	New Component - 2015
44		Lighting Junction Box	1	
45	TS-1003-MD-992	Side Gate Cylinder Pin	2	
	MC-ZZ000062459	Side Gate Cyl Bolt M30X220		SHANK OF BOLT ≥ 180MM
	TS-9853010	M30 Nylock Nut		
46		M8 x 80mm Hex Bolt	4	M8 x 80mm Hex Bolt 80mm Long
47		15L Metric Nut	12	
48		M8 x 65mm Hex Bolt	4	M8 Hex Bolt - 1.25x65mm
49		15L - 1/2" M/M Adaptor	6	
50		3/8 BSP - M/M Adaptor	7	
51		3/8 BSP Dowty Washer	8	
52	See Hydraulic	Rear Selector Valve	1	
53		M6 Washer	2	M6 Flat Washer
54		M6 x 40mm Hex Set Screw	2	M6 Hex Set Screw - 1x40mm
55		IGUS Chain 2	4	
56		L/H IGUS Bracket	1	
57		R/H IGUS Bracket	1	
58		M8 x 25mm Dome Bolt	6	M8 Dome Head Bolt
59		15L - 3/8" M/M Adaptor	3	
60		Slotted head screw M5x20	2	
61		M5 Washer	4	
62		M5 Nyloc	2	

63	See Hydraulic	Side Gate Cylinder	2	
64	TS-22680031	Rear Clamp Cyl Pin	2	
65	TS-22680028	Rear Cyl Pin Cover Plate	4	
66		Ext Frame Wearpad profile	4	
67	TS-22680313	Side Gate Middle Pivot Pin	2	

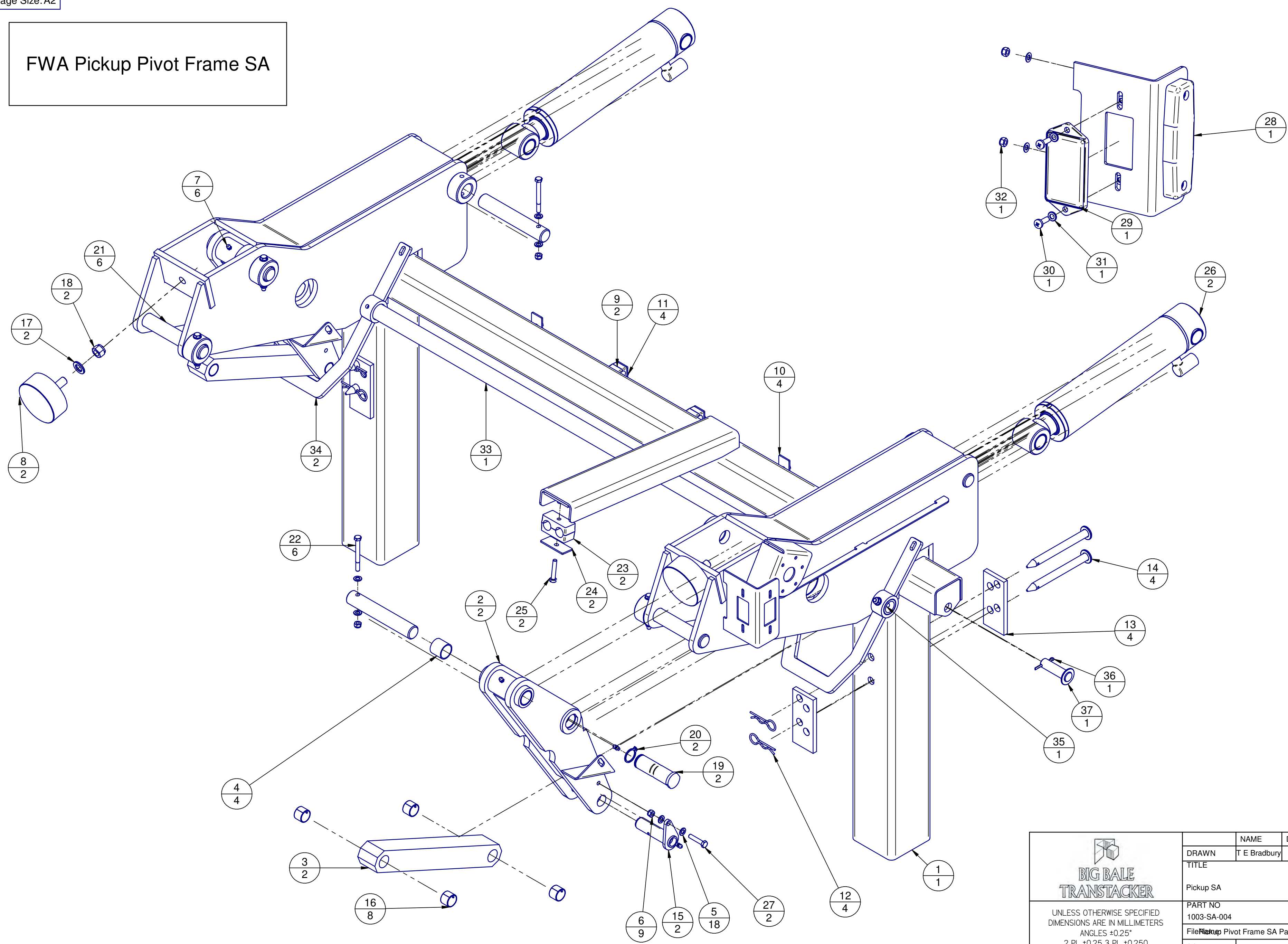


This Platform Sub Assembly has had the outer I Beam removed for clarity

 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES ±0.25° 2 PL ±0.25 3 PL ±0.250	NAME	DATE
	DRAWN	T E Bradbury 16/03/2020
	TITLE	Platform SA
	PART NO	1003-SA-005
	FILE NAME	Platform Sub 2014 Parts Book Pages 31-32
SCALE: 1:10	MATERIAL:	REV 14

Platform Assembly Parts (Part 2)				
Item No.	Part Number	Title	Quantity	Comments
1		Platform 2015	1	Modified - 2015
2	TS-22680699	FRONT PLATFORM COVER	1	
3	TS-22680696	Centre Platform Cover	1	
4	TS-22680775	SENSOR PLATE	1	
5		M8 x 50mm Coach Bolt	1	M8 Coach Bolt x50mm
6		M8 Washer	5	M8 Flat Washer
7		M8 Nyloc	3	M8 x 1.25mm Nyloc
8	TS-92680541	Sensor Pad Spring	1	
9	TS-92680538	STOP BUSH	8	Dia. 20mm. 25mm L.
10		M10 x 50mm Hex Bolt	8	M10 Hex Bolt x50mm
11		M10 Nyloc	12	M10 x 1.50mm Nyloc
12	TS-22680768	SAFETY SWITCH ARM	1	
13	TS-22681181	Safety Switch Spring	2	
14		M8 x 30mm Hex Bolt	2	M8 Hex Bolt x30mm
15		SENSOR PLATE WA.	1	
16		M8 x 12mm Dome Head Bolt	14	M8 Dome Head x12mm

FWA Pickup Pivot Frame SA

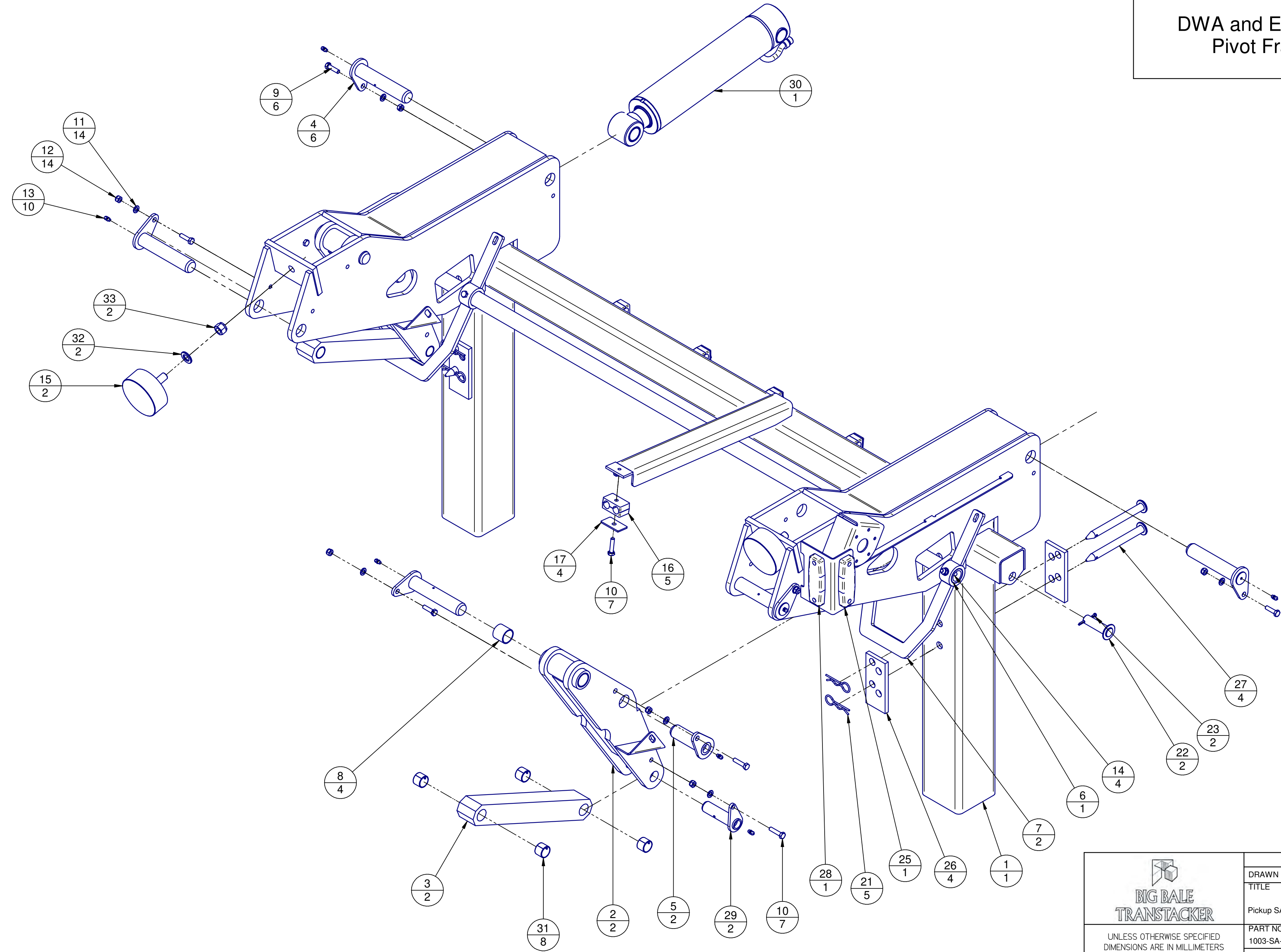


 BIG BALE TRANSTACKER UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES ±0.25° 2 PL ±0.25 3 PL ±0.250	NAME		DATE	
	DRAWN	T E Bradbury	12/04/2020	
	TITLE			
	Pickup SA			
	PART NO			
	1003-SA-004			REV 9
	File: Pickup Pivot Frame SA Parts Page 9			Sheet 1 of 1
	SCALE: 1:5		MATERIAL:	

FWA Pickup Pivot Frame Parts				
Item No.	Part Number	Title	Quantity	Comments
1		Pick Up Pivot Plate 2015	1	
2	TS-22680309	Rotary Sensor Crank	2	Goes with PIN - 22680328 and CIRCLIP 22680327
3	TS-22680648	New Link	2	
4	TS-92683030	BUSH30/30	4	
5		M8 Washer	18	M8 Flat Washer
6		M8 Nyloc	9	M8 x 1.25mm Nyloc
7		6mm Grease Nipple	6	
8	TS-92680511	Pick Up Stop	2	
9		3/8" Twin Pipe Clamp	4	
10		SP2 Cap Plate	4	
11		M8 x 35mm Hex Bolt	4	M8 Hex Bolt 35mm
12	TS-92680376	3mm R-Clip	4	
13	TS-22681413	Adjuster Dog	4	
14	TS-22681414	ADJUSTER PIN	4	
15	TS-22680317	25x100mm Pin	2	
16	TS-92680017	25x20mm Bush	8	
17		M16 Washer	2	M16 Flat Washer
18		M16 Nyloc	2	M16 x 2mm Nyloc
19	TS-22680327	Pickup Cyl. Pin	2	
20	TS-22680328	30mm External Circlip	2	
21	TS-22680362	Pickup Cyl. Pin (Base)	6	
22		M8 x 80mm Hex Bolt	6	M8 x 80mm Hex Bolt
23		1/2" Twin Pipe Clamp	2	
24		1/2" Twin Cap Plate	2	
25		M8 x 45mm Hex Bolt	2	M8 Hex Bolt 45mm Long
26	TS-92680516	Pickup Lift/Lower Cyl.	2	
27		M8 x 40mm Hex Bolt	2	M8 Hex Bolt x40mm8
28	TS-92680517LED	Side Marker Light (White)	1	
29	TS-92680340	Amber Reflector	1	
30		Screw GB/T M5 x 16	4	
31		M5 Flat Washer	6	M5 Flat Washer
32		M5 Nyloc	4	M5 x 0.8mm Nyloc

33	TS-22680582	LATCH TUBE	1	
34	TS-22680580	PICKUP LATCH WA.	2	
35	TS-931865109	M8 x 65mm Hex Bolt	1	M8 Hex Bolt x65mm
36		4 x 50mm Split Pin	1	Dia.4mm x 50mm Long
37	TS-22680583	20x75mm Pin	1	

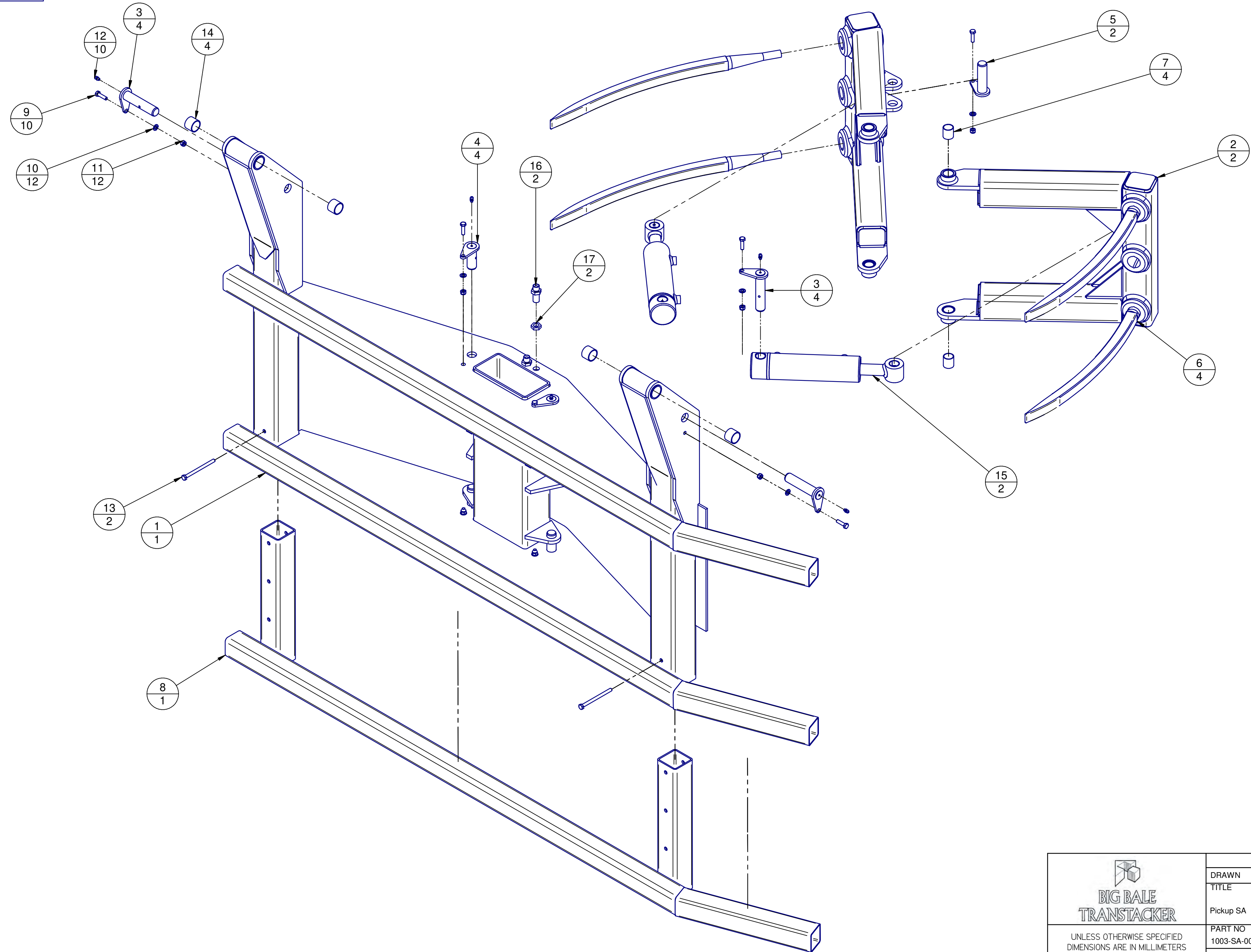
DWA and EWA Pickup
Pivot Frame SA



 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES ±0.25° 2 PL ±0.25 3 PL ±0.250	NAME		DATE
	DRAWN	T E Bradbury	18/03/2020
	TITLE		
	Pickup SA		
	PART NO	REV	
1003-SA-004	8		
File: Pickup SA 2014 Parts Book.dft		Sheet 2 of 3	
SCALE: 1:5		MATERIAL:	

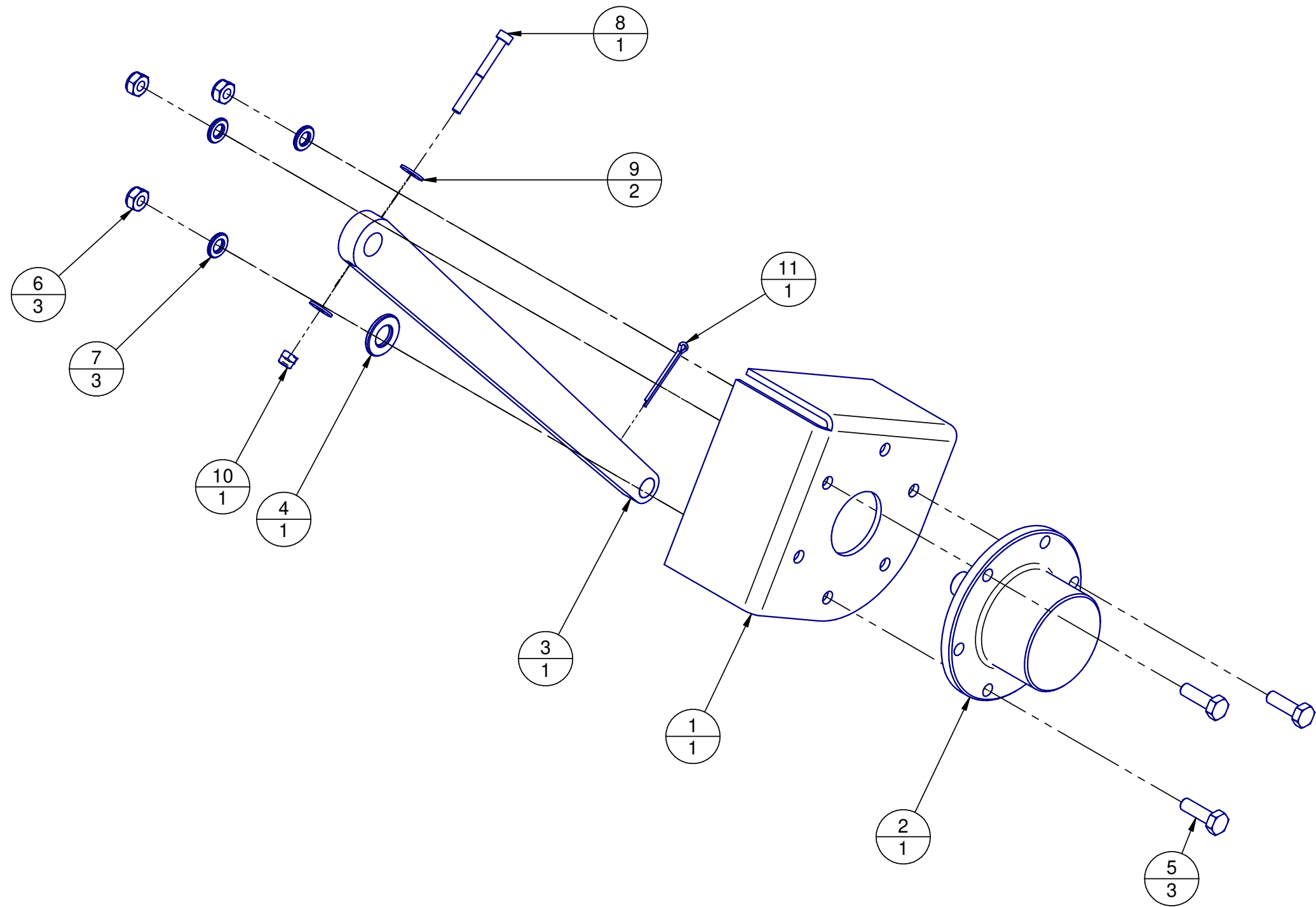
DWA-EWA Pickup Pivot Frame Assembly Parts				
Item No.	Part Number	Title	Quantity	Comments
1		Pick Up Pivot Plate 2014	1	
2	TS-22680323	Rotary Sensor Crank	2	
3	TS-22680648	New Link	2	
4	TS-22680313	PIN L. 30/160mm WA.	6	
5	TS-22680325	PIN L.30 100	2	
6		LATCH TUBE	1	
7	TS-22680580	PICKUP LATCH WA.	2	
8	TS-92683030	BUSH30/30	4	
9		M8 x 30mm Hex Bolt	6	M8x1.25. 30mm L.
10		M8 x 35mm Hex Bolt	7	M8x1.25. 35mm L.
11		M8 Washer	14	M8 Flat Washer
12		M8 Nyloc	14	M8 x 1.25mm Nyloc
13		6mm Grease Nipple	10	
14		BOLT	4	M8x1.25. 65mm L.
15	TS-92680511	PICKUP STOP	2	
16		TWIN PIPE CLAMP	5	
17		SP2 Cap Plate	4	
18*	TS-92680518	LATCH SPRING PIN	1	
19*	TS-92680374	LATCH SPRING	1	
20*		M12 Washer	1	M12 Flat Washer
21	TS-92680376	3mm R CLIP	5	
22	TS-22680583	PIN 20/75mm WA.	2	
23		SPLIT PIN	2	Dia.4mm. 50mm L.
24*	TS-92680578	LATCH CABLE	1	
25	TS-92680517LED	SIDE MARKER LIGHT	1	
26	TS-22681413	Adjuster Dog	4	
27	TS-22681414	ADJUSTER PIN	4	
28		Amber Reflector	1	
29	TS-22680317	Pin L.25/100	2	
30		Pickup Lift Cylinder	1	
31	TS-92680017	PMDX bushes - metric	8	
32		WASHER	2	M16 A.

33		NUT	2	M16x2mm.
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 BIG BALE TRANSTACKER UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES ±0.25° 2 PL ±0.25 3 PL ±0.250		NAME	DATE
	DRAWN	T E Bradbury	18/03/2020
	TITLE	Pickup SA	
	PART NO	1003-SA-004	REV 8
	File	Pickup SA 2014 Parts Book.dft	Sheet 1 of 3
SCALE:1:5	MATERIAL:		

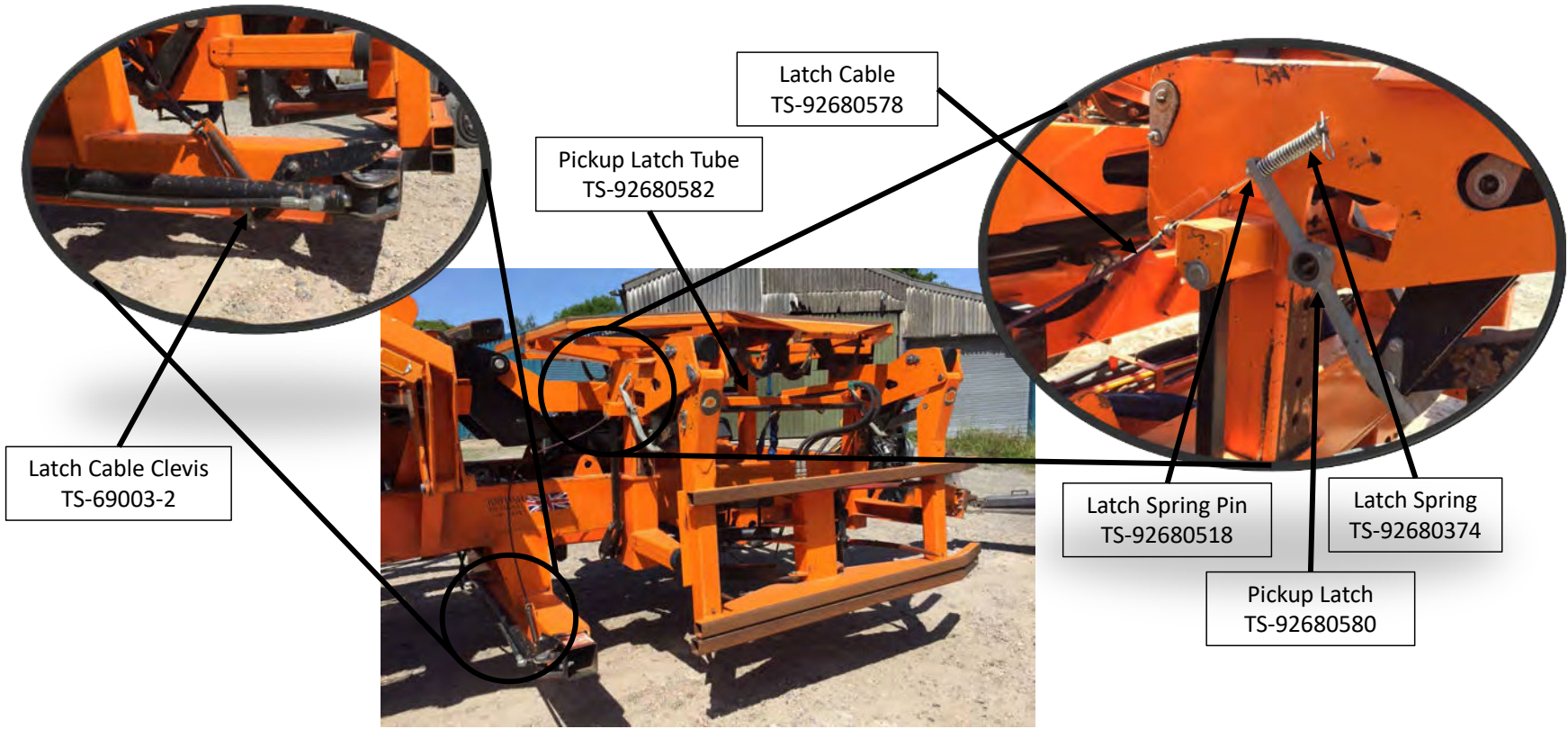
Pickup Frame Assembly Parts				
Item No.	Part Number	Title	Quantity	Comments
1	TS-22680578	Pick Up Frame 2014	1	Modified - 2015
2	TS-22680294	Tine Frame 2014	2	
3	TS-22680326	25x120mm Pin	4	
4	TS-22680343	25x70mm Pin	4	
5	TS-22680317	25x100mm Pin	2	
6	TS-92680029	Pickup Tine	4	
7	TS-92682530	25x30mm Bush	4	
8	TS-22680337	Pickup Shoe		
9		M8 x 30mm Hex Bolt	4	M8 Hex Bolt x30mm
10		M8 Washer	24	M8 Flat Washer
11		M8 Nyloc	12	M8 x 1.25mm Nyloc
12		6mm Grease Nipple	12	
13		M8 x 110mm Hex Bolt	2	M8 Hex Bolt x110mm
14	TS-92680425	30x25mm Bush	4	
15	TS-92680034	Pickup Tine Cylinder	2	
16		3/8 BSP - M/M Adaptor	2	
17		3/8 BSP Dowty Washer	2	
18		M8 x 35mm Hex Bolt	6	M8 Hex Bolt x35mm
19		1/2 BSP Dowty Washer	2	
20*		1/2" Male/Female Swivel Fitting	2	

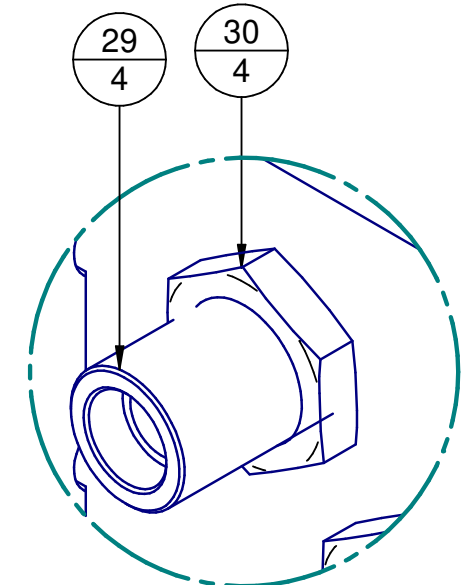
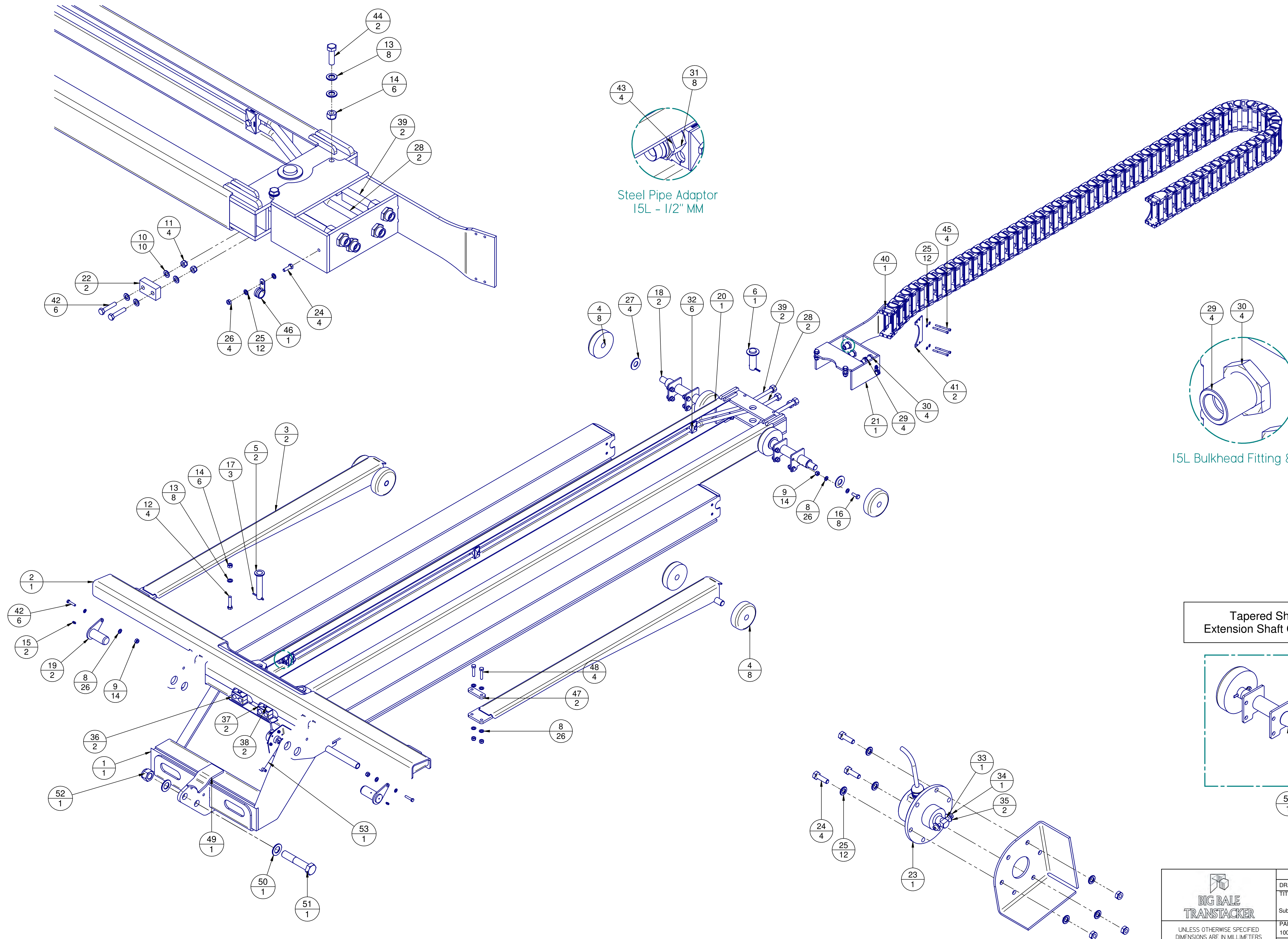


 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES ±0.25° 2 PL ±0.25 3 PL ±0.250		NAME	DATE
	DRAWN	T E Bradbury	18/03/2020
	TITLE		
	Pickup SA		
	PART NO	REV	
1003-SA-004	8		
File Name: SA 2014 Parts Book.dft	Sheet 3 of 3		
SCALE: 1:2	MATERIAL:		

Pickup Sensor Setup Assembly Parts				
Item No.	Part Number	Title	Quantity	Comments
1	TS-1003-PD-663	Pick Up Pivot Plate 2014	1	
2	TS-92680655	ROTARY SENSOR	1	
3	TS-22681383	PICKUP SENSOR ARM WA.	1	
4		M10 Washer	1	
5		M6 x 20mm Hex Bolt	3	
6		M6 Nyloc	3	
7		M6 Washer	3	
8		M4 x 40mm Hex Socket Screw	1	
9		M4 Washer	2	
10		M4 Nyloc	1	
11		2.5 x 28mm Split Pin	1	

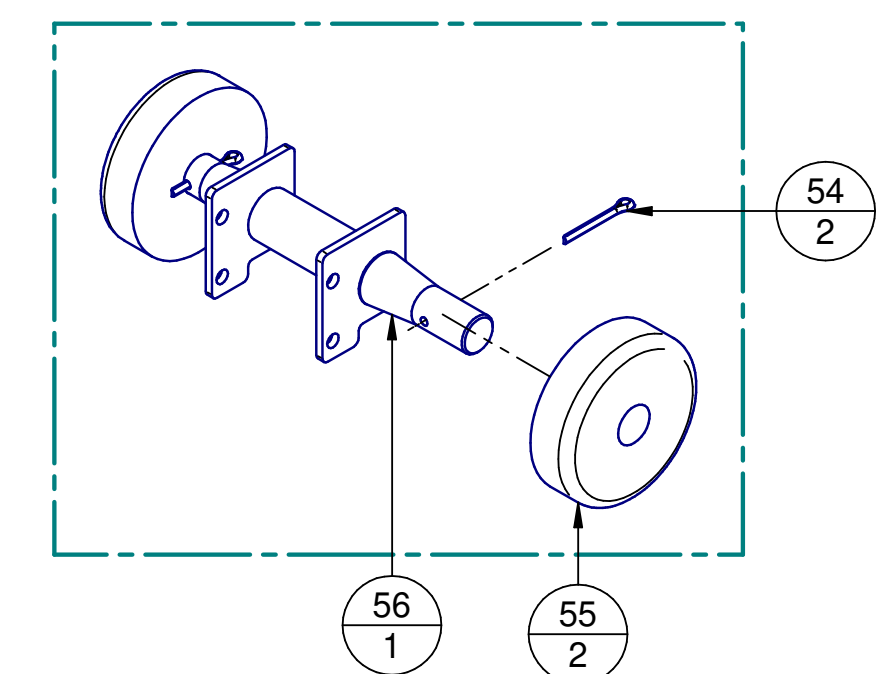
Pickup Latch Parts





I5L Bulkhead Fitting & Nut

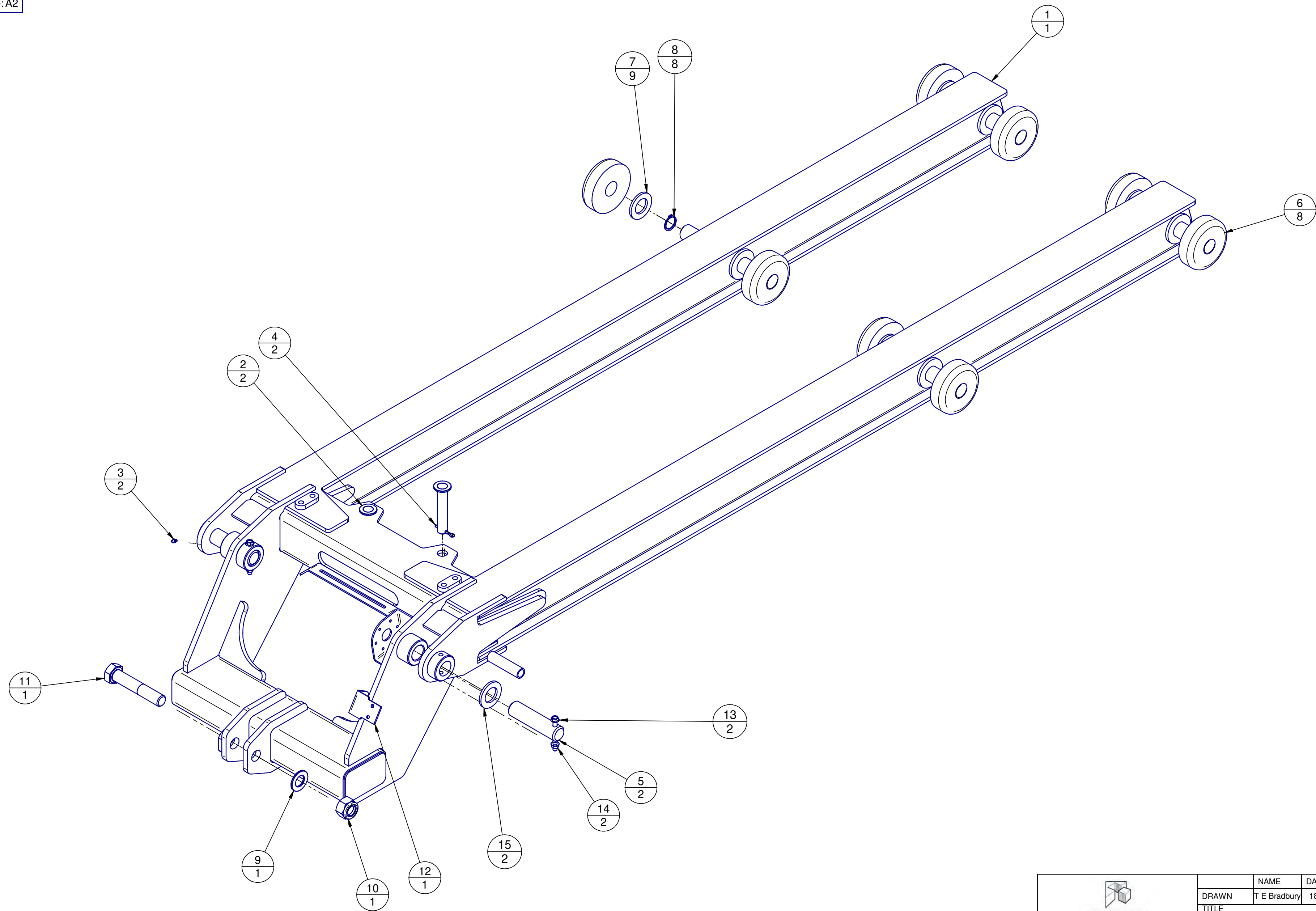
Tapered Shaft Designed
Extension Shaft CHK Transtackers



 BIG BALE TRANSTACKER UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES ±0.25° 2 PL ±0.25 3 PL ±0.250	NAME		DATE	
	DRAWN		T E Bradbury 31/03/2020	
	TITLE			
	Sub Extension SA			
	PART NO 1003-SA-002		REV 9	
Revision Sub 2014 Parts Book Draw		Sheet 1 of 1		
SCALE: 1:8		MATERIAL:		

Extension Frame Assembly Parts				
Item No.	Part Number	Title	Quantity	Comments
1		Extension WA 2015	1	Modified - 2015
2	TS-22680525	Extension Beam	1	For CHK ONLY
	TS-22681362	Extension Beam	1	FOR DWA to FWA
3	TS-22680526	Side Leg	2	
4	TS-92680247	TROLLEY WHEEL	8	
5	TS-22680527	PUSHROD PIN WA.	2	
6	TS-22680325-S	30/100 PIN WA.	1	
8		M10 Washer	26	M10 Flat Washer
9		M10 Nyloc	14	M10 x 1.50mm Nyloc
10		M8 Washer	10	M8 Flat Washer
11		M8 Nyloc	4	M8 x 1.25mm Nyloc
12		M12 x 55mm Hex Bolt	4	M12 Hex Bolt - 1.75x55mm Grd. 8.8
13		M12 Washer	8	M12 Flat Washer
14		M12 Nyloc	6	M12 x 1.75mm Nyloc
15		6mm Grease Nipple	2	
16		M10 x 30mm Hex Bolt	8	M10 Hex Bolt - 1.50x30mm Grd. 8.8
17	MC-946343	6 x 60mm Split Pin	3	Dia.6mm x 60mm Long
18	TS-22680528	Extension Shaft	2	
19	TS-22680530	40/100 PIN L. WA.	2	
20		Extension Panel	1	
21		IGUS Chain Bracket	1	Modified - 2015
22	TS-92680156	EXT. SIDE BEARING	2	
23	TS-92680655	Rotary Sensor	1	
24		M6 x 20mm Hex Bolt	4	M6 Hex Bolt - 1x20mm
25		M6 Washer	12	M6 Flat Washer
26		M6 Nyloc	4	M6 x 1mm Nyloc
27		M25 Washer	4	M25 Flat Washer - OD: 55mm
28	TS-19000213	TS Steel Pipe 03 - 2015	2	
29		15L Bulkhead Fitting	4	
30		15L Bulkhead Nut	4	
31		15L Metric Nut	8	
32		15mm Double Pipe Clamp	6	

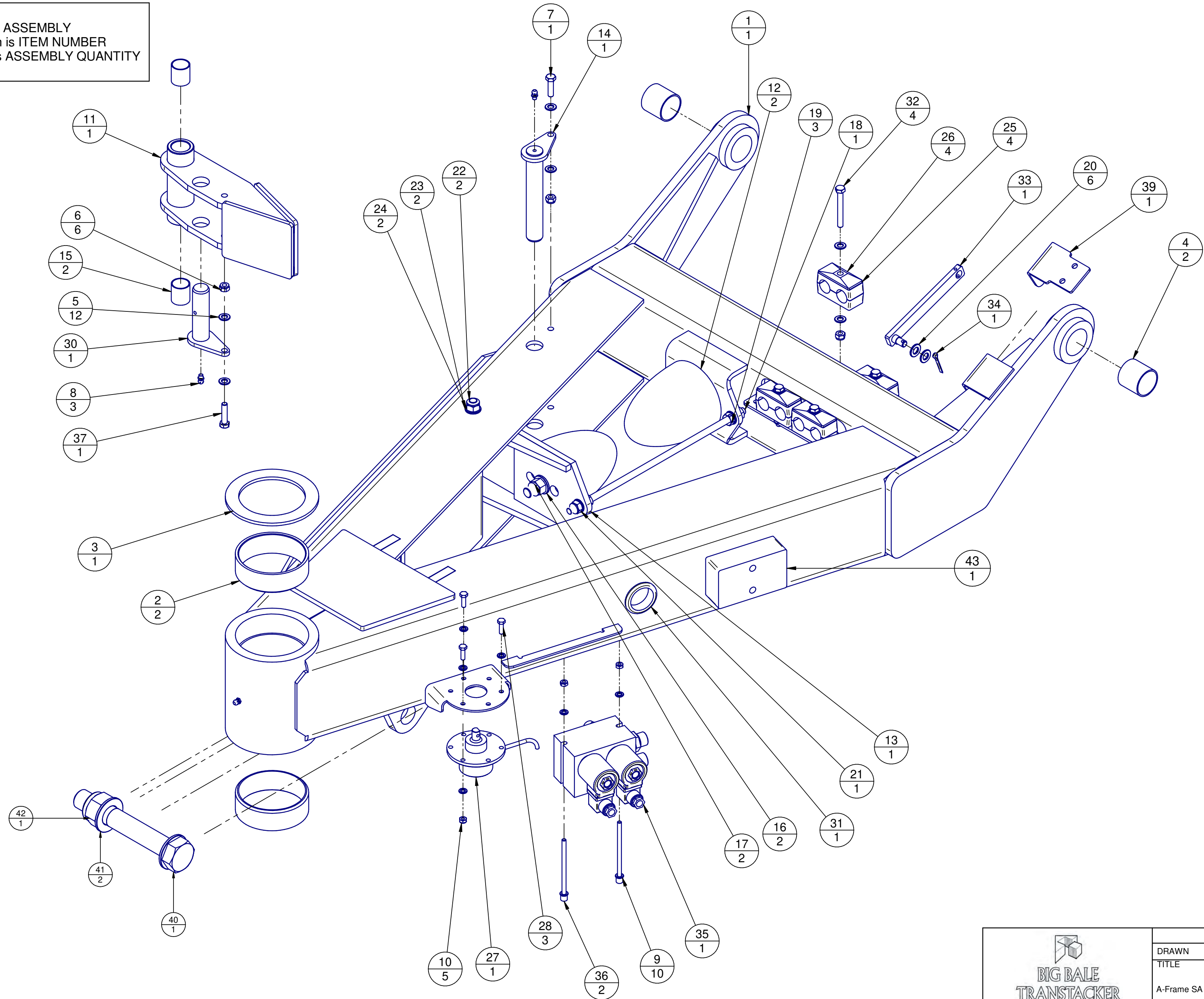
33		M4 x 30mm Socket Screw	1	M4 Hex Socket Head Screw
34		M4 Nyloc	1	M4 x 0.7mm Nyloc
35		M4 Washer	2	M4 Flat Washer
36		1/2" Twin Pipe Clamp	2	
37		1/2" Twin Cap Plate	2	
38		M8 x 45mm Hex Bolt	2	M8 Hex Bolt - 1.25x45mm
39	TS-19000212	TS Steel Pipe 02 - 2015	2	
40		IGUS Chain	1	
41		IGUS Bolt Bracket	2	New Component - 2015
42		M8 x 40mm Hex Bolt	6	M8 Hex Bolt - 1.25x40mm
43		15L - 1/2" M/M Adaptor	4	
44		M12 x 40mm Hex Bolt	2	M12 Hex Bolt - 1.75x40mm
45		M6 x 70mm Socket Screw	4	M6 x 70mm Socket Head Screw
46	MSK 026	P Clip - 16mm	1	
47		Side Leg Spacer	2	
48		M10 x 50mm Hex Bolt	4	M10 Hex Bolt - 1.5x50mm
49		Extension Frame Brace	1	
50		M30 Flat Washer	2	
51		M30x160 Hex Bolt	1	
52		Nut - GB/T 889 - M30	1	
53	TS-22681429	A-Frame Sensor Arm	1	Modified - 2015
54	94545	5x45 Split Pin	4	
55	TS-92680246	30mm ID Nylon Wheel	4	
56	TS-1003WA303	Tapered Extension Shaft	2	



 BIG BALE TRANSTACKER UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES ±0.25° 2 PL ±0.25 3 PL ±0.250		NAME	DATE
	DRAWN	T E Bradbury	18/03/2020
	TITLE		
	Sub Extension SA		
	PART NO	1003-SA-002	REV 9
EXAMINER		18/03/2020 Update Parts Book Draw Sheet 1 of 1	
SCALE:1:6.25		MATERIAL:	

HD Extension Frame				
Item No.	Part Number	Title	Quantity	Comments
1	TS-22681361	HD Extension Frame 2019	1	
2	TS-22680527	PUSHROD PIN WA.	2	
3		6mm Grease Nipple	2	
4	MC-946343	6 x 60mm Split Pin	2	
5	TS-22680363	A-Frame Pivot Pin	2	
6	TS-92690248	Sub Ext. Wheel	8	
7	TS-22681371	Shim 40x80x5	8	
8	TS-1460040	Guard ring DIN 471 - 35x2,5	8	
9		M30 Flat Washer	1	
10		Nut - GB/T 889 - M30	1	
11	TS-93130160109	M30x160 Hex Bolt	1	
12	TS-22680890	A Frame Sensor Arm Plate	1	
13		M10x90 Hex Bolt	2	
14		M10 Nut	2	
15		Shims to space A-Frame		
	TS-22681371	Shim 40x80x5	As req	
	TS-22681374	Shim 40x80x3	As req	
	TS-CBS408020H	Shim 40x80x2	As req	
	TS-CBS408010H	Shim 40x80x1	As req	

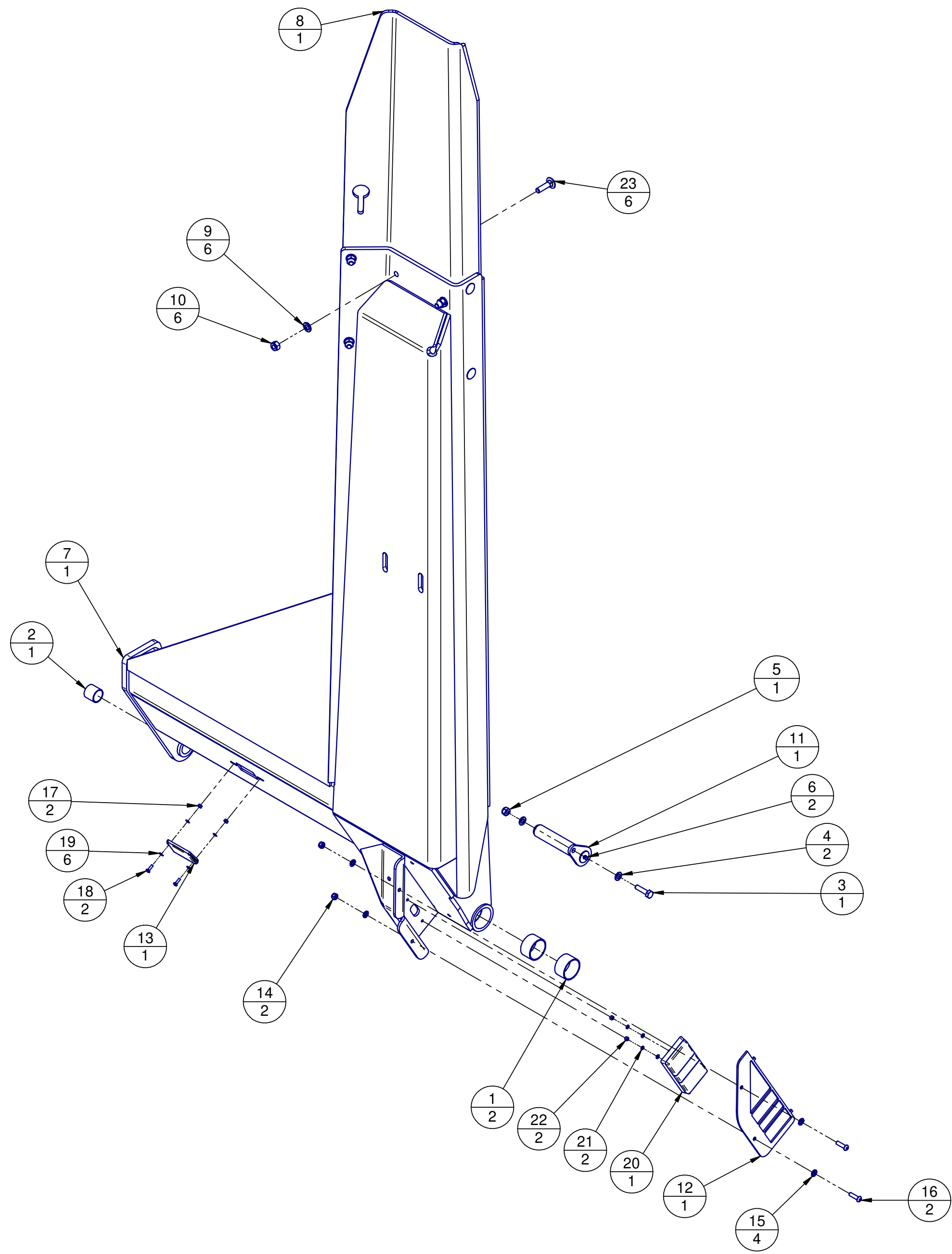
A FRAME SUB ASSEMBLY
 Top Number of Ballon is ITEM NUMBER
 Bottom Number of Ballon is ASSEMBLY QUANTITY



	NAME	DATE
	DRAWN	T E Bradbury 11/03/2020
	TITLE	A-Frame SA
	PART NO	1003-SA-012
	SCALE: 1:4	MATERIAL:

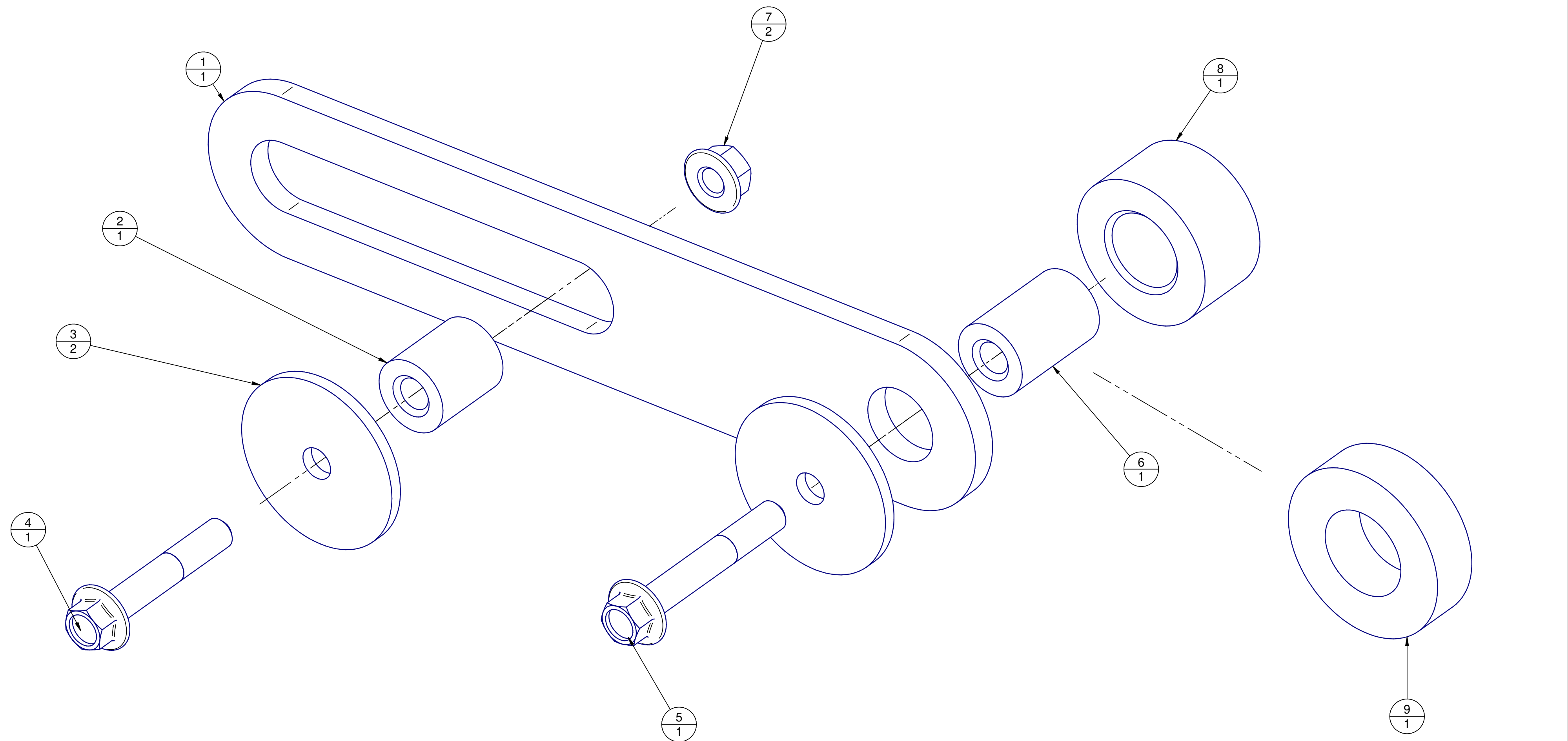
A-Frame Assembly Parts				
Item No.	Part No.	Title	Quantity	Comments on Drawings
1		A Frame 2014	1	
2	TS-92680251	Pivot Bush	2	
3	TS-92680212	Pivot Washer	1	
4	TS-92680022	BUSH40/40	2	
5		M8 Washer	12	M8 Flat Washer
6		M8 Nyloc	6	M8 x 1.25mm Nyloc
7		M8 x 30mm Hex Bolt	1	M8 Hex Bolt - 1.25x30mm
8	TS-90000032	6mm Grease Nipple	3	
9		M6 Washer	10	M6 Flat Washer
10		M6 Nyloc	5	M6 x 1mm Nyloc
11		TIE SPRING ARM WA.	1	
12	TS-92680515	Tie Buffer	2	
13	TS-22680568	STOP PAD ARM WA.	1	
14	TS-22680566	PIN L.25160mm.WA	1	
15	TS-92682530	25x30mm Bush	2	
16		M16 Washer	2	M16 Flat Washer
17		M16 Nyloc	2	M16 x 2mm Nyloc
18		Tie Buffer Adjuster Rod	1	M10 x 370mm Long
19		M10 Plain Nut	3	M10 x 1.50mm Plain Nut
20		M10 Washer	6	M10 Flat Washer
21		M10 Nyloc	1	M10 x 1.50mm Nyloc
22		M12 x 35mm Hex Bolt	2	M12 Hex Bolt - 1.75x35mm
23		M12 Washer	2	M12 Flat Washer
24		M12 Nyloc	2	M12 x 1.75mm Nyloc
25		1/2" Twin Pipe Clamp	4	
26		1/2" Twin Cap Plate	4	
27	TS-92680655	Rotary Sensor	1	
28		M6 x 20mm Hex Bolt	3	M6 Hex Bolt - 1x20mm
30	22680317	25x100mm Pin	1	
31	TS-DRB3512 ?	A-Frame Grommet	1	
32		M8 x 65mm Hex Bolt	4	M8 Hex Bolt - 1.25x65mm
33	TS-22681429	A-Frame Sensor Arm	1	Modified - 2015

34		3 x 40mm Split Pin	1	Dia.3mm x 40mm Long
35	92680228-R1	A-Frame Valve Complete	1	
36		M6 x 100m Socket Cap Screw	2	M6 Socket Cap Screw
37		M8 x 35mm Hex Bolt	1	M8 Hex Bolt - 1.25x35mm
39	TS-22680890	A Frame Sensor Arm Plate	1	
40		M30x200 Bolt	1	SHANK ≥ 130mm
41		M30 Flat Washer	2	
42	TS-9853010	M30 Nylock	1	
43	TS-92680240	Pilot Operated Check Valve	1	



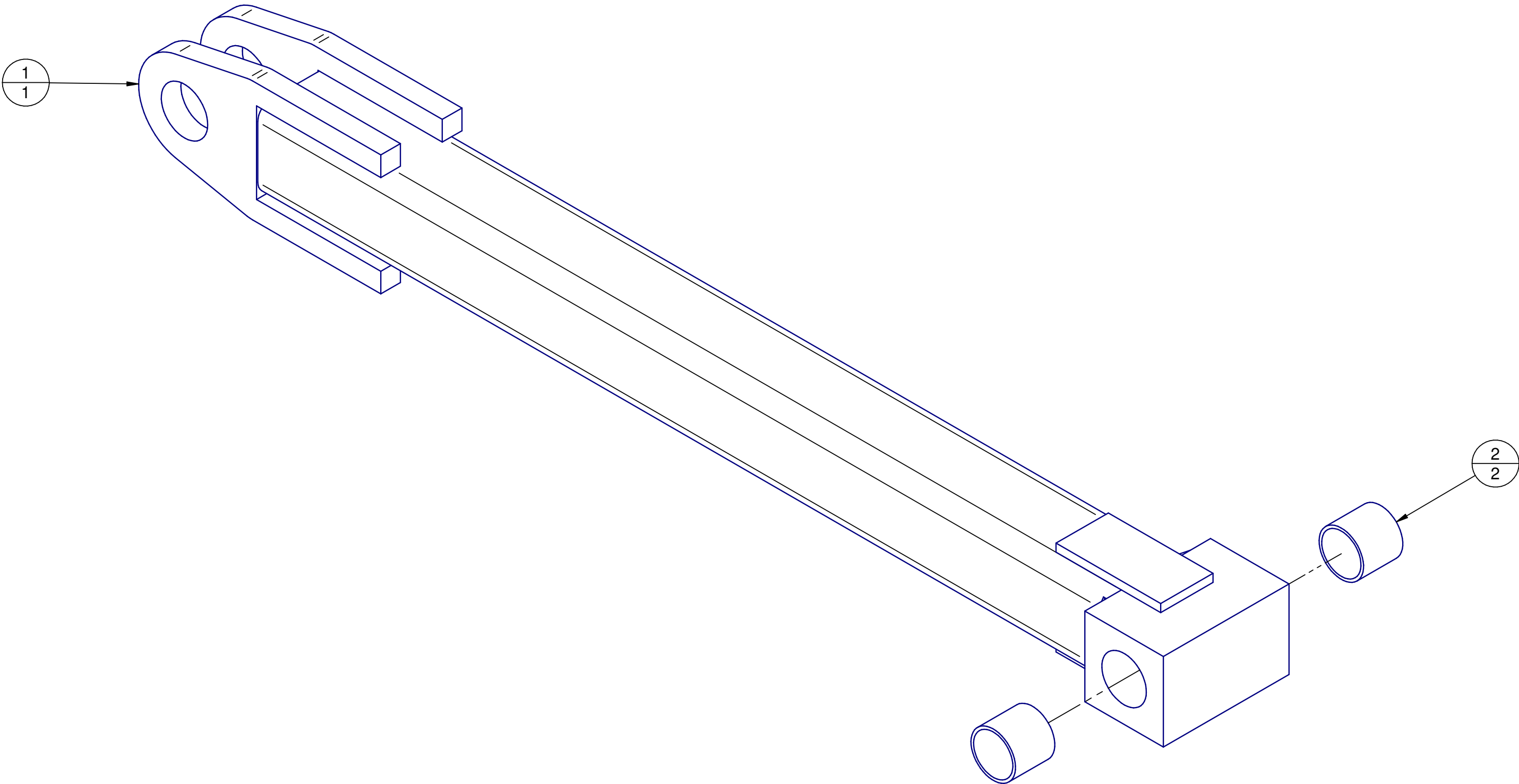
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	DRAWN	T E Bradbury	11/03/2020
	TITLE		
	LH Rear Clamp SA		
	PART NO	1003-SA-013	REV 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES ±0.25° 2 PL ±0.25 3 PL ±0.250			
File Name: LH Rear Clamp SA Parts Book Page 51		Sheet 1 of 1	
SCALE: 1:8		MATERIAL:	

Rear Clamp Assembly Parts				
Item No.	Part Number	Title	Quantity	Comments on Drawings
1	TS-92685030	BUSH50/30	2	
2	TS-92683030	BUSH30/30	1	
3		M10 x 40mm Hex Set Screw	1	M10 Hex Set Screw - 1.5x40mm
4		M10 Washer	2	M10 Flat Washer
5		M10 Nyloc	1	M10 x 1.50mm Nyloc
6		6mm Grease Nipple	2	
7	TS-22680692	LH Clamp Arm - WA	1	
8	TS-22680698	LH. CLAMP EXT. WA.	1	
	TS-22680697	RH. CLAMP EXT. WA.		
	TS-22680693	LH. CLAMP EXT. WA. Extended		
	TS-22680694	RH. CLAMP EXT. WA. Extended		
9		M12 Washer	6	M12 Flat Washer
10		M12 Nyloc	6	M12 x 1.75mm Nyloc
11	TS-22680313	PIN L. 30/160mm WA.	1	
12	TS-1910079	Clamp Light Cover	1	New Component - 2015
13	TS-92680340	Amber Reflector	1	
14		M8 Nyloc	2	M8 x 1.25mm Nyloc
15		M8 Washer	4	M8 Flat Washer
16		Screw M8 x 30	2	
17		M5 Nyloc	2	M5 x 0.8mm Nyloc
18		Screw - M5 x 16	2	
19		Washer ISO 7090 - 5	6	
20	TS-92680488	LED Combination lamps	1	
21		Spring washer DIN 128 - A5	2	
22		Hexagon nut ISO 4034 - M5	2	
23		M12 x 45mm Coach Bolt	6	



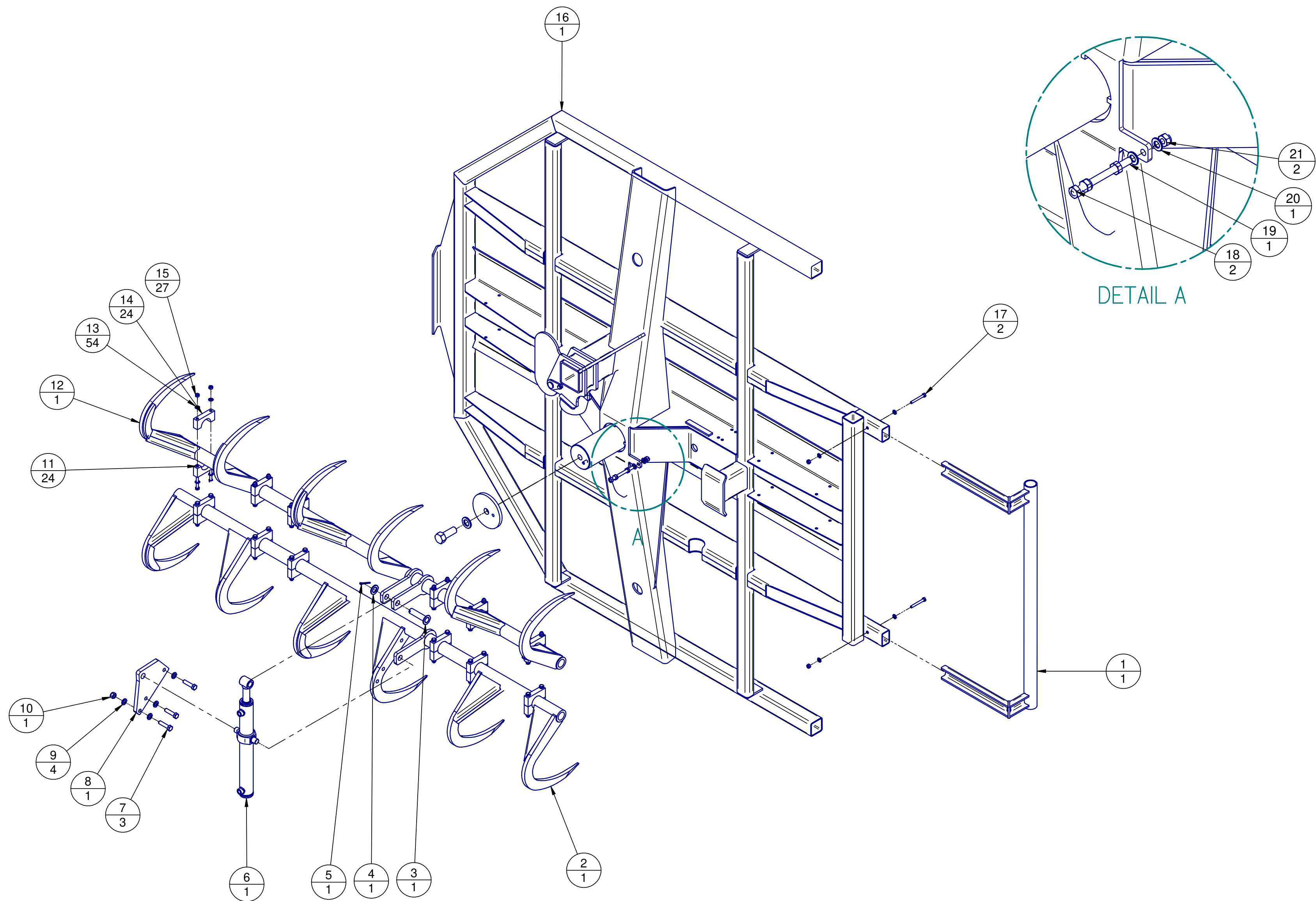
 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES ±0.25° 2 PL ±0.25 3 PL ±0.250		NAME	DATE
	DRAWN	T E Bradbury	10/04/2020
	TITLE		
	Platform SA		
	PART NO	REV	
1003-SA-005	14		
File Name	Rear Clamp Strap Drawing.dft		Sheet 1 of 1
SCALE:1:1	MATERIAL:		

Rear Clamp Strap Assembly Parts				
Item No.	Part Number	Title	Quantity	Comments on Drawings
1	TS-22680030	Rear Clamp Strap	1	
2	TS-22680034	35mm Long Spacer	8	
3	TS-2268029	Wide Washer	1	
4		M12x70 Hex flange bolt	1	
5		M12x80 Hex flange bolt	2	
6	TS-22680033	45mm Long Spacer	1	
7		M12 Hex Flange Top Lock	1	
8	TS-22680032	Spacer Bush	1	
9	TS-22680027	Pushrod Weld On Bush	4	



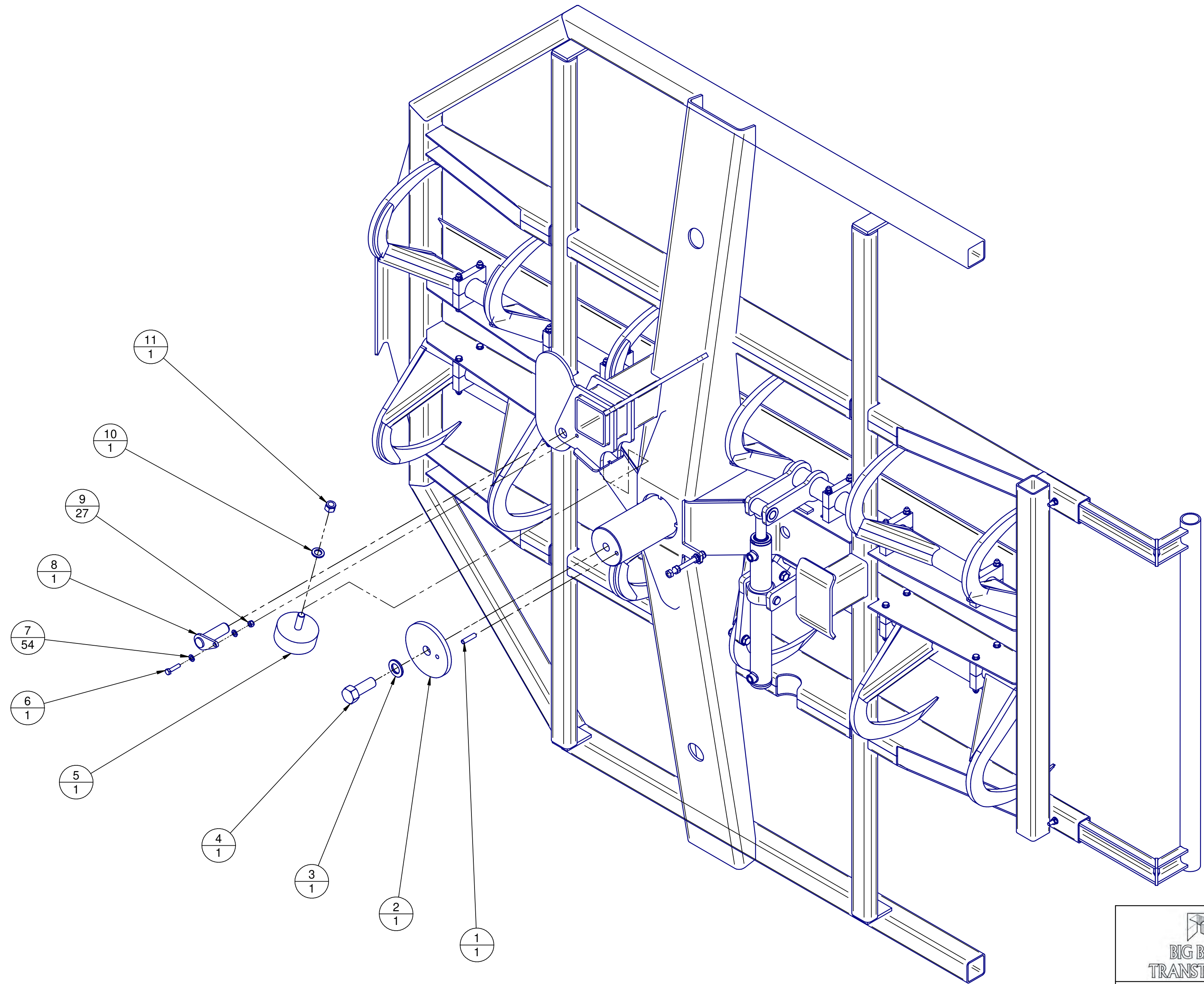
 BIG BALE TRANSTACKER UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES ±0.25° 2 PL ±0.25 3 PL ±0.250		NAME	DATE
	DRAWN	T E Bradbury	11/03/2020
	TITLE		
	Push Rod SA		
	PART NO	REV	
1003-SA-015			
File Name: Rod Asm Parts Book Page 45		Sheet 1 of 1	
SCALE: 1:2		MATERIAL:	

Push Rod Assembly Parts				
Item No.	Part Number	Title	Quantity	Comments
1	TS-22680724	Push Rod WA	1	
2	TS-92683030	BUSH30/30	2	30x34x30mmL.



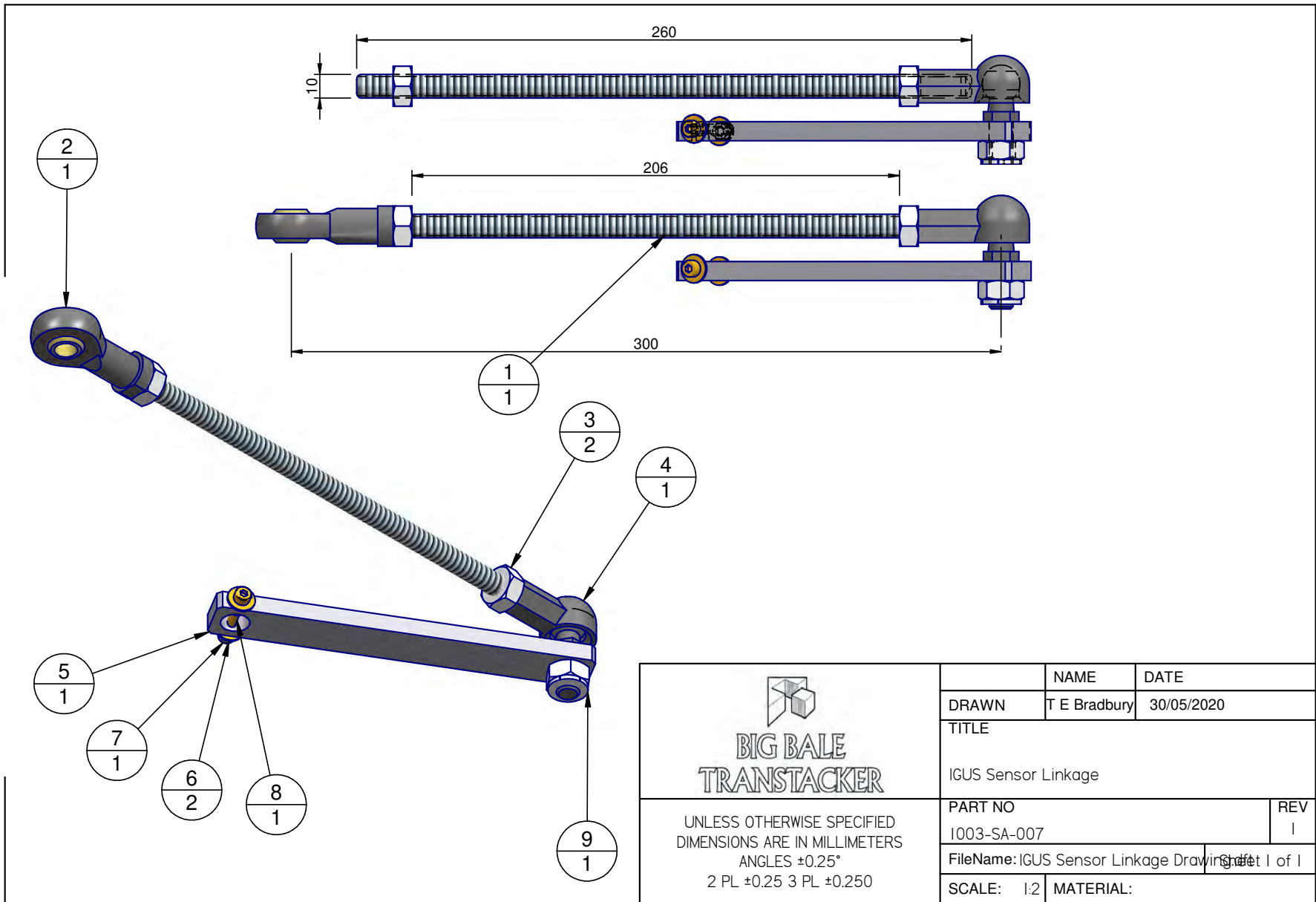
 BIG BALE TRANSTACKER UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES ±0.25° 2 PL ±0.25 3 PL ±0.250	NAME	DATE
	DRAWN T E Bradbury	12/03/2020
	TITLE Turntable SA	
	PART NO 1003-SA-008	REV 2
	File Name Turntable SA Parts Book Page.d	Sheet 1 of 2
SCALE:1:10		MATERIAL:

Turntable Assembly Parts				
Item No.	Part Number	Title	Quantity	Comments on Drawings
1	TS-22680335	Side Stop	1	
2	TS-22680551	Rear Hook	1	
3	TS-22680321	Pin 20x85 Long WA.	1	
4		M20 Washer	1	M20 Flat Washer
5		4 x 50mm Split Pin	1	Dia.4mm x 50mm Long
6	TS-92680195	Turntable Hook Cylinder	1	
7		M12 x 50mm Hex Bolt	3	M12 Hex Bolt - 1.75x50mm
8		Hook Cylinder Plate	1	
9		M12 Washer	4	M12 Flat Washer
10		M12 Nyloc	1	M12 x 1.75mm Nyloc
11		M8 x 100mm Hex Bolt	24	M8 Hex Bolt - 1.25x100mm
12	TS-22680550	Front Hook	1	Modified 2015
13		M8 Washer	54	M8 Flat Washer
14	TS-92680167	HOOK BEARING	24	
15		M8 Nyloc	27	M8 x 1.25mm Nyloc
16		Turntable 2015	1	Modified 2015
17		M8 x 65mm Hex Bolt	2	M8 Hex Bolt - 1.25x65mm
18		M10 Plain Nut	2	M10 x 1.50mm Plain Nut
19		M10 Threaded Bar (Short)	1	
20		M10 Washer	2	M10 Flat Washer
21		M10 Nyloc	2	M10 x 1.50mm Nyloc

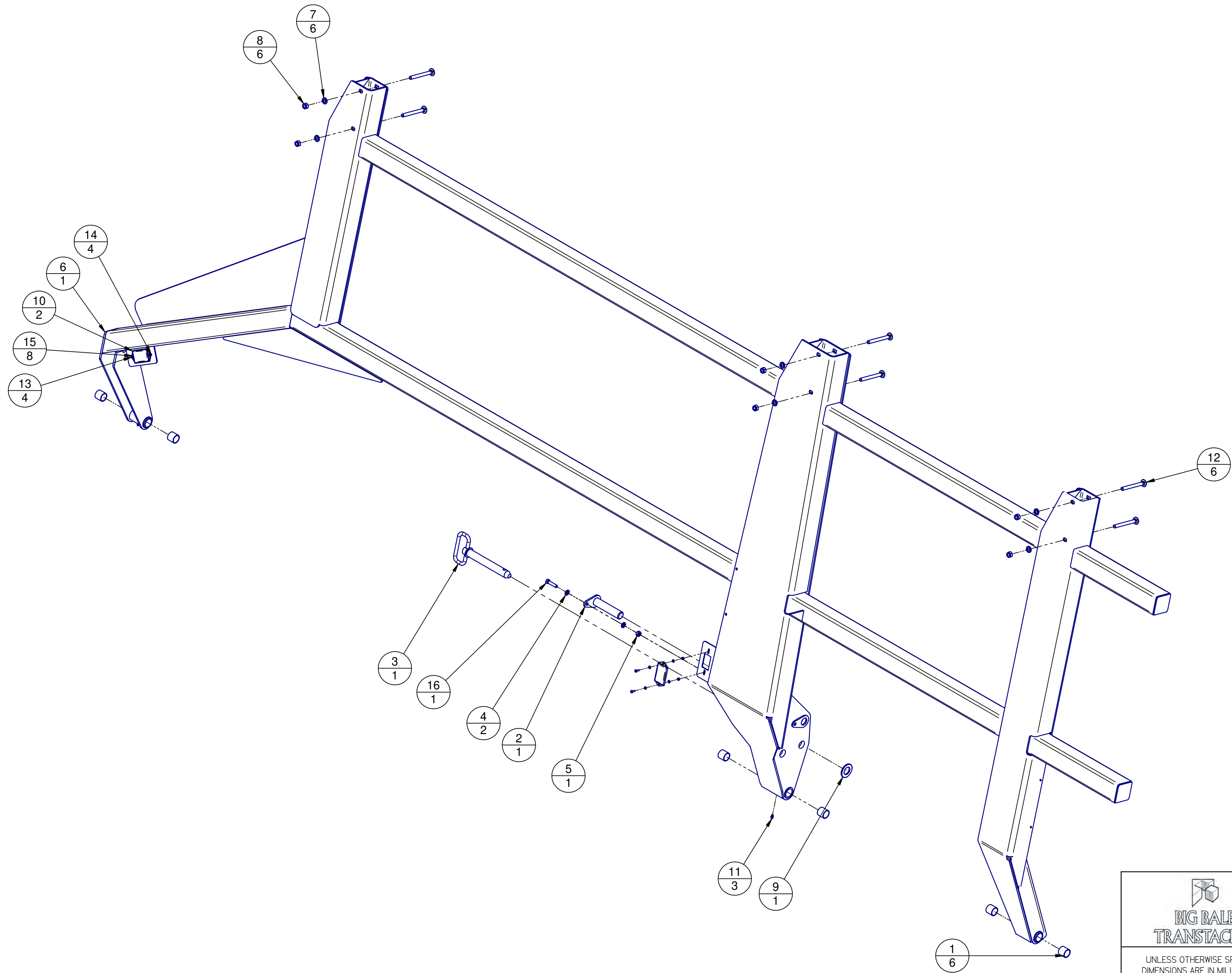


 BIG BALE TRANSTACKER UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES ±0.25° 2 PL ±0.25 3 PL ±0.250		NAME	DATE
	DRAWN	T E Bradbury	10/04/2020
	TITLE		
	Turntable SA		
	PART NO 1003-SA-008		
	REV 2		
	File Name: Turntable SA Parts Book Page 2.4 Sheet 1 of 1		
	SCALE: 1:6.25	MATERIAL:	

Turntable Assembly Parts (Page 2)				
Item No.	Part Number	Title	Quantity	Comments on Drawings
1		10 x 40mm Roll Pin	1	
2		LARGE PIVOT WASHER	1	
3		WASHER	1	M24 A.
4		SET SCREW	1	M 24 x 65mm L.
5	TS-22680511	Pick Up Stop	1	
6		M8 x 35mm Hex Bolt	1	M8 Hex Bolt - 1.25x35mm
7		M8 Washer	54	M8 Flat Washer
8	TS-22680163	Pin 25x90mm Long WA.	1	Modified - 2015
9		M8 Nyloc	27	M8 x 1.25mm Nyloc
10		M16 Washer	1	M16 Flat Washer
11		M16 Nyloc	1	M16 x 2mm Nyloc

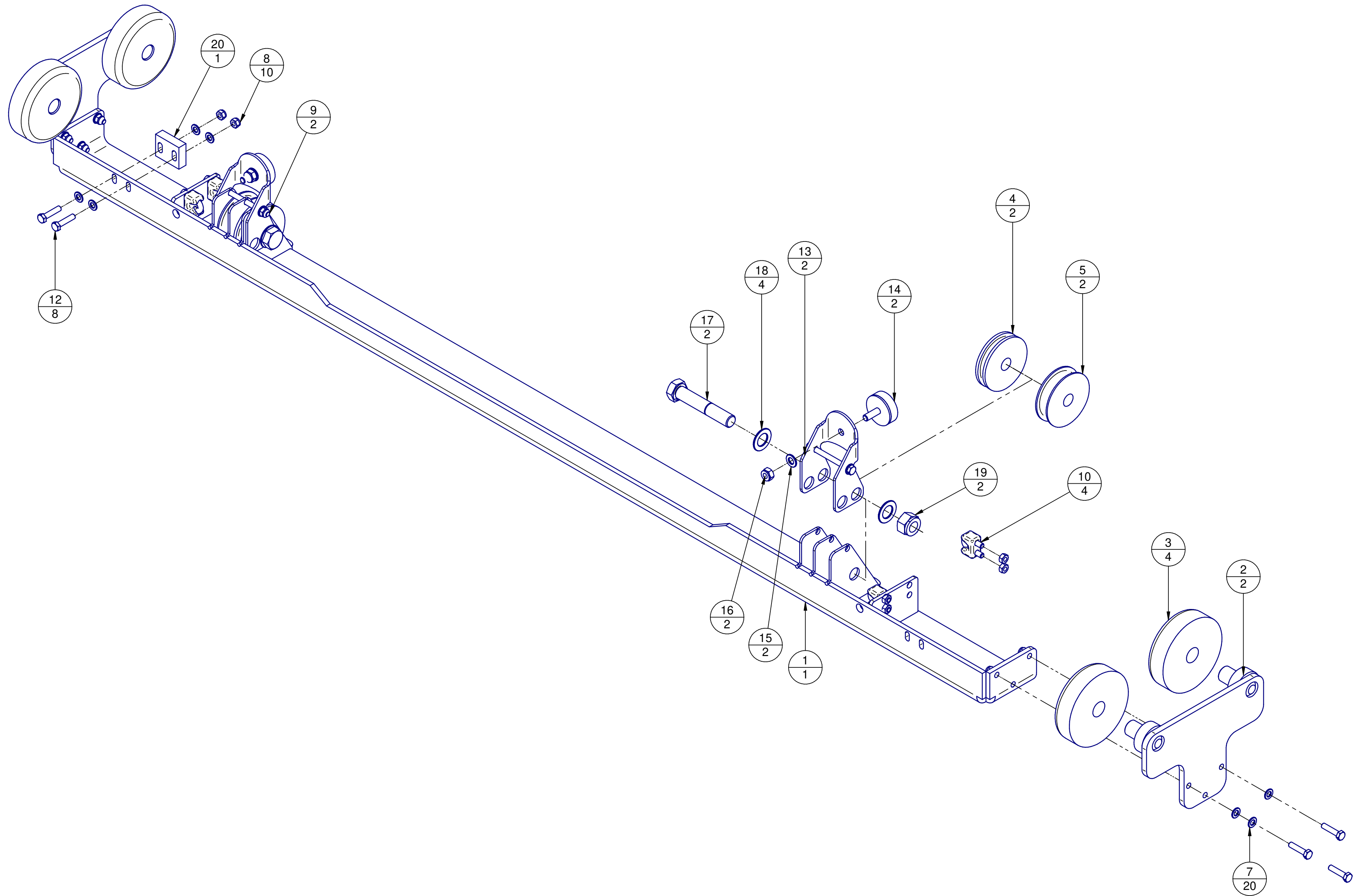


IGUS Linkage Assembly Parts				
Item No.	Part Number	Title	Quantity	Comments on Drawings
1	TS-ALTBM10260	M10 Threaded Bar	1	
2	TS-KBRM-10	IGUS Rod End	1	
3		M10 Plain Nut	2	M10 x 1.50mm Plain Nut
4	TS-WGRM-1-LCMS	IGUS Ball - Socket	1	
5	TS-22681382	Turntable Rotate Sensor Arm	1	Modified - 2015
6		M4 Washer	2	M4 Flat Washer
7		M4 Nyloc	1	M4 x 0.7mm Nyloc
8		M4 x 30mm Hex Socket Screw	1	M4 Hex Socket Head Screw - 0.7x30mm
9		M10 Nyloc	1	M10 x 1.50mm Nyloc



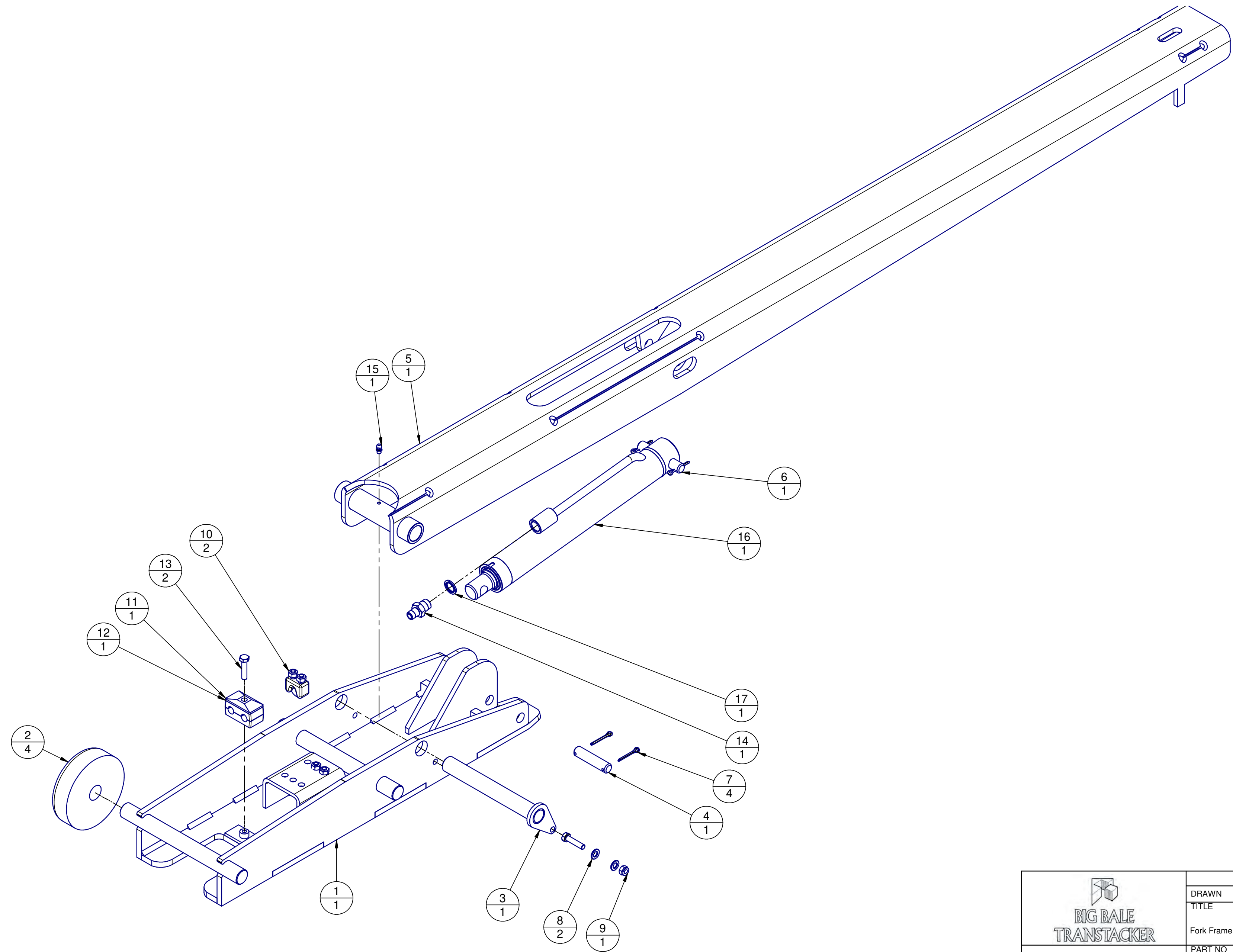
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	DRAWN	T E Bradbury	11/03/2020
	TITLE		
	LH Side Gate SA		
	PART NO	1003-SA-010	REV 1
File Name: LH Side Gate SA Parts Book Page 4 Sheet 1 of 1			
SCALE: 1:10		MATERIAL:	

Side Gate Assembly Parts				
Item No.	Part No.	Title	Quantity	Comments on Drawings
1	TS-92683030	BUSH30/30	6	
2	TS-22680312	Oval Pin with Grease Nipple	1	30 x 140mm CHK and DWA
	TS-22680312-S	SOLID OVAL PIN	1	30 x 140mm EWA and FWA Trailers
3	TS-92680032	Side Gate Locking Pin	1	
4		M10 Washer	2	M10 Flat Washer
5		M10 Nyloc	1	M10 x 1.50mm Nyloc
6	TS-22680753	Side Gate LHS	1	
	TS-22680754	Side Gate RHS		
7		M12 Washer	6	M12 Flat Washer
8		M12 Nyloc	6	M12 x 1.75mm Nyloc
9		M30 Flat Washer	1	
10	TS-92680340	Amber Reflector	2	
11		6mm Grease Nipple	3	
12		M12 x 120mm Coach Bolt	6	M12 Coach Bolt x 120mm
13		Screw M5 x 16	4	
14		M5 Nyloc	4	M5 x 0.8mm Nyloc
15		M5 Flat Washer	8	M5 Flat Washer
16		M10x45 Hex Head Screw	1	



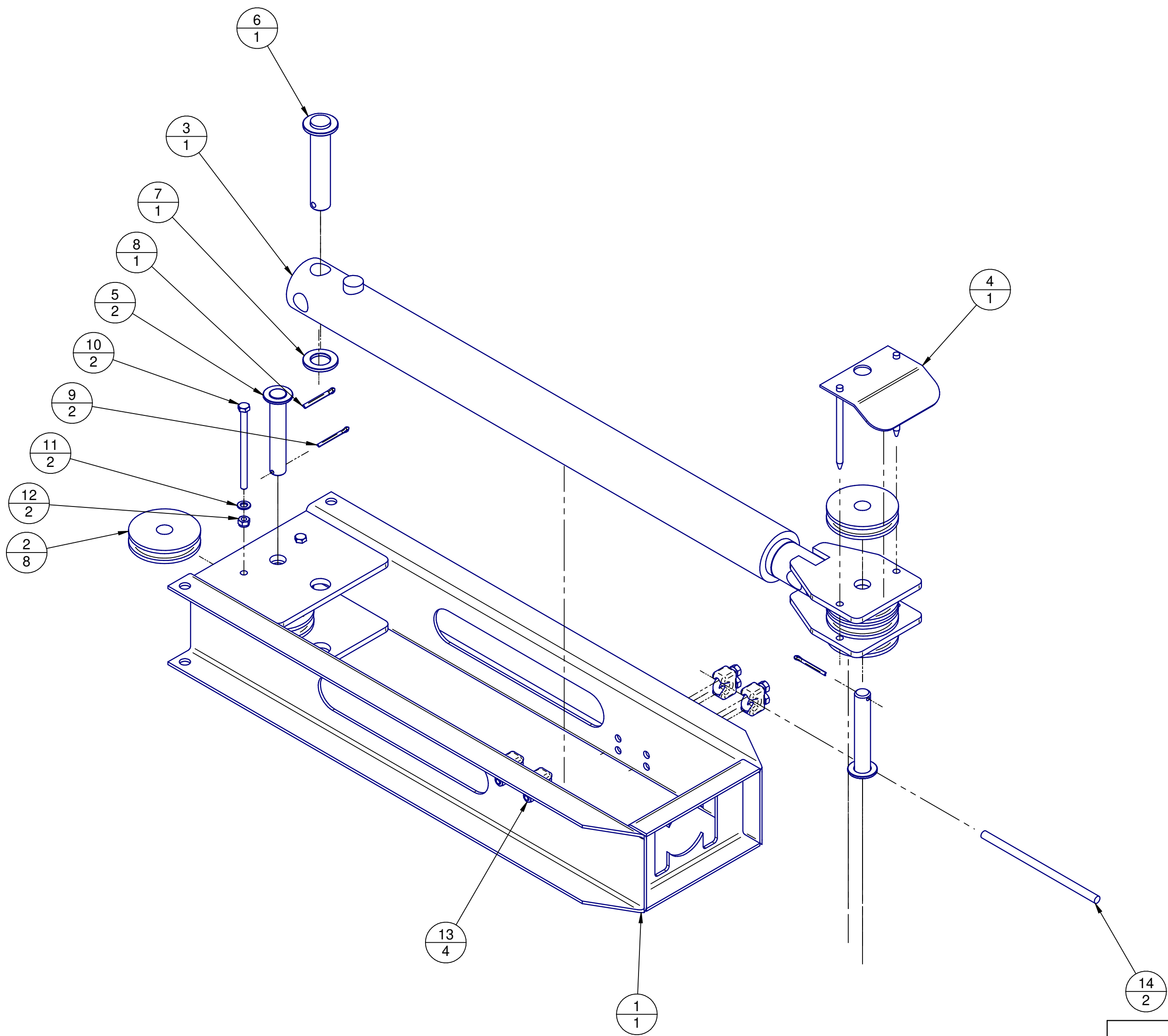
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	DRAWN		T E Bradbury 16/03/2020	
	TITLE			
	Pulley Beam SA			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES $\pm 0.25^{\circ}$ 2 PL ± 0.25 3 PL ± 0.250	PART NO 1003-SA-006			REV 8
	File Name: C:\Program Files\Autodesk\Inventor 2014\Parts Book\1003-SA-006.ipt			
	Scale: 1 of 1			
	SCALE: 1:4		MATERIAL:	

Pulley Beam Parts				
Item No.	Part Number	Title	Quantity	Comments
1	TS-22680669	Pulley Beam Weld Asm.	1	Revised for 2015
2	TS-22680670	Pulley Beam Plate	2	Supply with Pulley Beam for DWA Replacement
	TS-22680520	Pulley Beam Plate		
3	TS-92680227	TROLLEY WHEEL	4	
4	TS-92680124	CABLE PULLEY	2	
5	TS-92680128	HOSE PULLEY	2	
7		M8 Washer	20	M8 Flat Washer
8		M8 Nyloc	10	M8 x 1.25mm Nyloc
9		M8 x 90mm Hex Bolt	2	M8 Hex Bolt - 1.25x90mm
10	TS-92680345	10mm Cable Clamp	4	
12		M8 x 35mm Hex Bolt	8	M8 Hex Bolt - 1.25x35mm
13		FORK TROLLEY STOP	2	
14	TS-92680024	50mm Rubber Bump Stop	2	
15		M10 Washer	2	M10 Flat Washer
16		M10 Nyloc	2	M10 x 1.50mm Nyloc
17		M20 x 110mm Hex Bolt	2	M20 x 110
18		M20 Washer	4	M20 Flat Washer
19		M20 Nyloc	2	M20 x 2.5mm Nyloc
20		Fork Safety Bearing	1	



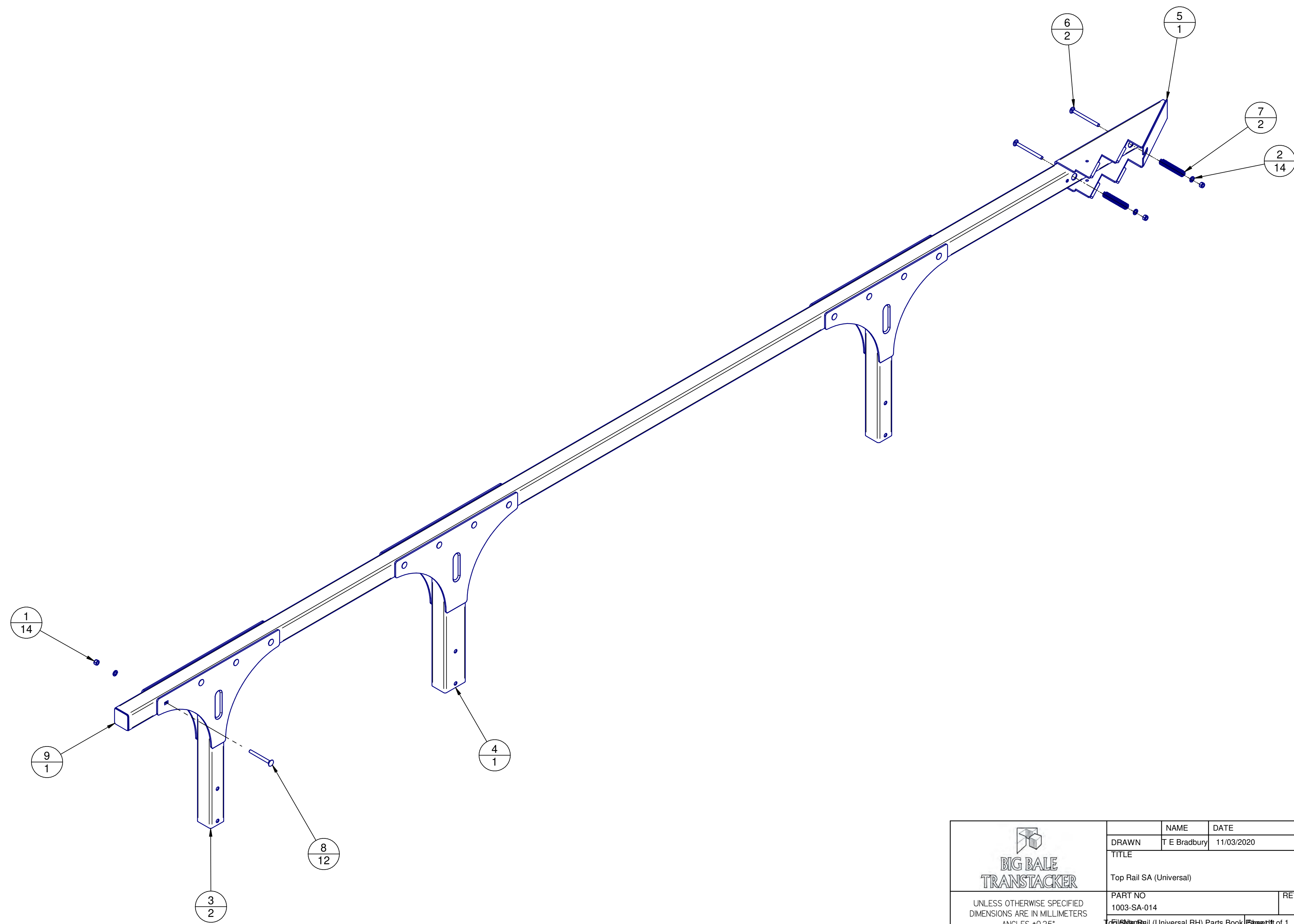
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TITLE		
Fork Frame SA		
PART NO		REV
1003-SA-003		8
File Path: C:\Cook FORK FWA Drawing.dft Sheet 1 of 1		
SCALE: 1:4	MATERIAL:	

Fork Assembly Parts				
Item No.	Part Number	Title	Quantity	Comments on Drawings
1	TS-22680679	Trolley Channel	1	Modified - 2015
2	TS-92680227	TROLLEY WHEEL	4	
3	TS-22680674	Pin 25x200 Long WA.	1	Modified - 2015
4		PIN 16.70	1	
5	TS-22680673?	Fork 2014	1	
6	TS-92680529	PIN 16.90	1	
7		3 x 40mm Split Pin	4	
8		M8 Washer	2	M8 Flat Washer
9		M8 Nyloc	1	M8 x 1.25mm Nyloc
10	TS-92680345	10mm Cable Clamp	2	
11		SP2 Cap Plate	1	
12		3/8 Double Pipe Clamp	1	
13		M8 x 35mm Hex Bolt	2	M8 Hex Bolt - 1.25x35mm
14		3/8 - 1/4 MM Reducer	1	
15		6mm Grease Nipple	1	
16		Fork Raise Cylinder	1	
17		3/8 BSP Dowty Washer	1	



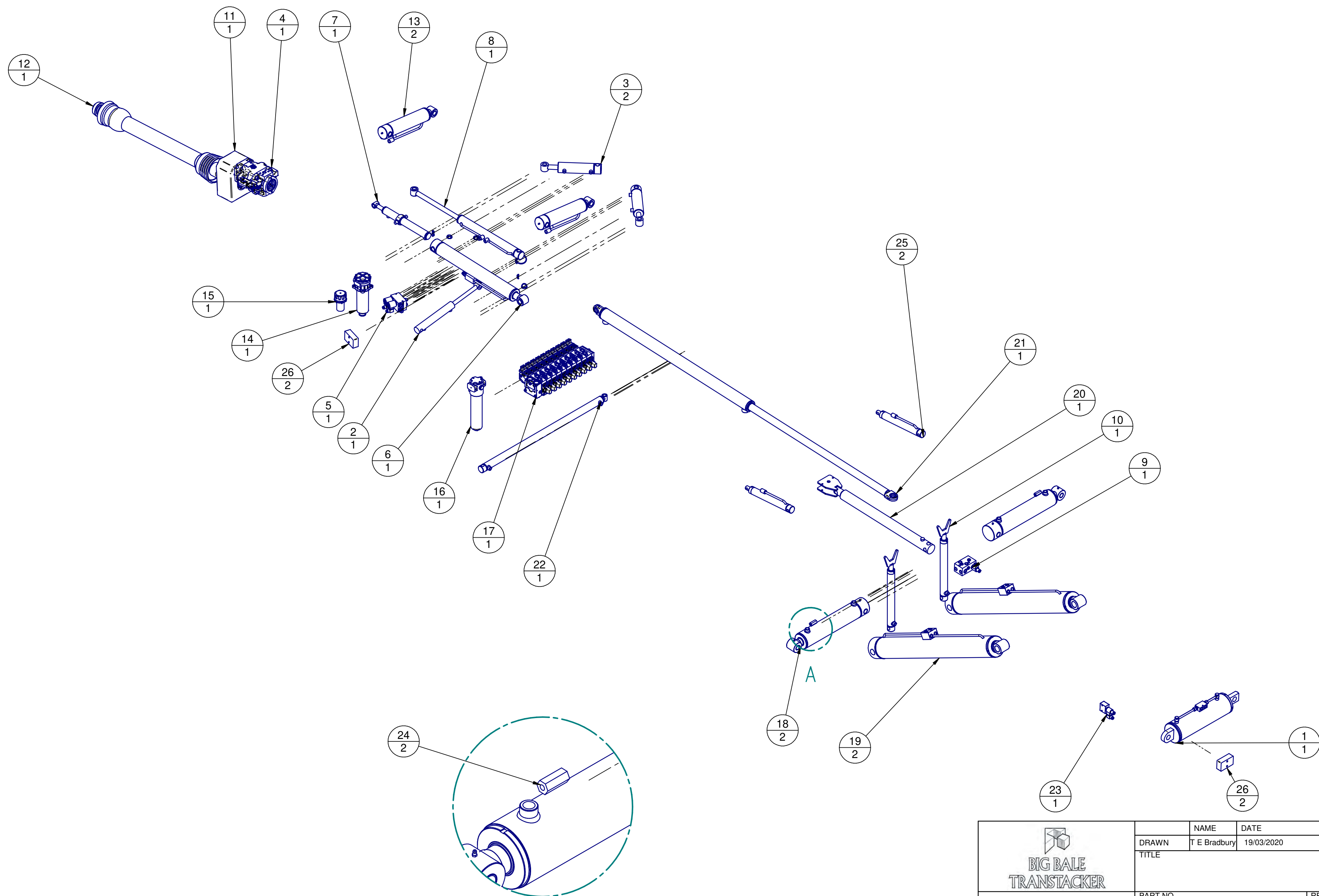
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	TITLE		
	Tensioner SA		
	PART NO	1003-SA-009	REV
File: TENSIONER SA Parts Book Page 1 of 1			
SCALE: 1:4		MATERIAL:	

Tensioner Assembly Parts				
Item No.	Part Number	Title	Quantity	Comments on Drawings
1		TENSION BACK PLATE WA.	1	
2	TS-92680124	CABLE PULLEY	8	
3	TS-22680304	LONG TENSION CYL.WA.	1	
4		PULLEY DEFLECTOR	1	
5	TS-22680320?	PIN 20/120mm WA.	2	
6		CABLE ANCHOR PIN WA.	1	
7		M24 Washer	1	M24 Flat Washer
8		5 x 50mm SPLIT PIN	1	
9		4 x 50mm Split Pin	2	
10		HEX BOLT	2	M8x1.25. 120mm L.
11		M8 Washer	2	M8 Flat Washer
12		M8 Nyloc	2	M8 x 1.25mm Nyloc
13	TS-92680345	10mm Cable Clamp	4	
14	TS-92680348	TENSIONER CABLE	2	



 BIG BALE TRANSTACKER UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES ±0.25° 2 PL ±0.25 3 PL ±0.250		NAME	DATE
	DRAWN	T E Bradbury	11/03/2020
	TITLE		
	Top Rail SA (Universal)		
	PART NO	REV	
1003-SA-014			
Top Rail (Universal RH) Parts Book		Sheet 1 of 1	
SCALE:1:10		MATERIAL:	

Top Rail Assembly Parts				
Item No.	Part Number	Title	Quantity	Comments on Drawings
1		M12 Nyloc	14	M12 x 1.75mm Nyloc
2		M12 Washer	14	M12 Flat Washer
3	TS-22680751	Top Rail Post Asm.	2	
4	TS-22680752	Centre Top Rail Post Asm.	1	
5	TS-22680308	Bale Keep Asm.	1	
6		M12 x 150mm Coach Bolt	2	M12x1.75. 150mm L.
7	TS-92680220	Keep Spring	2	
8		M12 x 120mm Coach Bolt	12	M12 Coach Bolt - 1.75 x 120mm
9	TS-22680769	Top Side Rail Asm.	1	



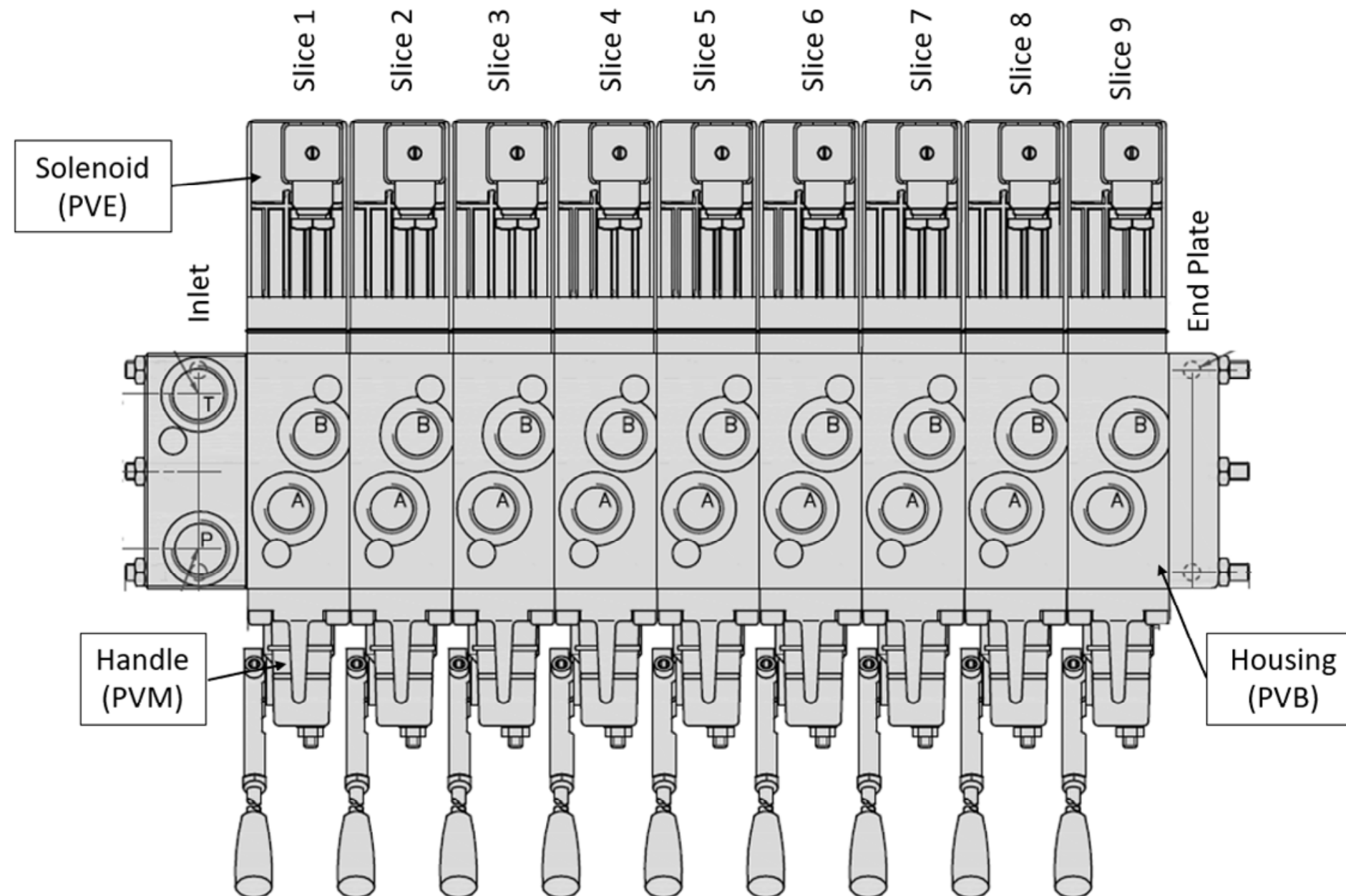
DETAIL A

 BIG BALE TRANSTACKER UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES ±0.25° 2 PL ±0.25 3 PL ±0.250	NAME		DATE
	DRAWN	T E Bradbury	19/03/2020
	TITLE		
	PART NO		REV
	File Name: Hydraulic Components Drawing.dwg Sheet 1 of 1		
SCALE: 1:16.67		MATERIAL:	

Hydraulic Componentry				
Item Number	Part Number	Title	Quantity	P/N
1	TS-92680006	Rear Clamp Cylinder	1	
2	TS-92680521	Pickup Lift Height Cylinder	1	
3	TS-92680034	Pickup Tine Cylinder	2	
	TS-926802530	DX Bush 25mm Dia x 30mm Long for Bore End of Cylinder	2	
		DX Bush 25mm Dia x 15mm Long for Rod End of Cylinder	2	
4	TS-92680591	DWA-FWA Danfoss Hydraulic Pump	1	
	TS-A10VSO71DFR31	CHK Trailer Pump?		
5	TS-92680228	A-Frame Selector Block Complete Asm		
	See Separate Drawing	A-Frame Selector Block	1	
6	TS-92680343	Turntable Lift Cyl	1	
	TS-92683030	DX Bush 30mm Dia x 30mm Long for Bore End of Cylinder	2	
	TS-92683020	DX Bush 30mm Dia x 20mm Long for Rod End of Cylinder	2	
7	TS-92680195	Hooks Cylinder	1	
8	TS-92680402R2	Turntable Rotate Cyl	1	
		DX Bush 25mm Dia x 15mm Long for Bore End of Cylinder	2	
		DX Bush 25mm Dia x 15mm Long for Rod End of Cylinder	2	
9	See Separate Drawing	Side Gate Selector Block	1	
10	TS-22680665	Platform Lift Assist Cyl		
11	See Separate Drawing	Comer Gearbox 1:4.23 Ratio	1	
12	TS-92680049	Weasler PTO Shaft Complete 2017 Onwards/Latest	1	
	TS-92680042	Weasler PTO Guard		
	TS-92680041	Wide Angle UJ		
	TS-92680040	Equal Angle UJ		
13	TS-92680516	Pickup Lift Cylinder (Different Porting styles for DWA, EWA and FWA)	2	
	TS-92683030	DX Bush 30mm Dia x 30mm Long for Bore End of Cylinder	2	
		DU Bush 30mm Dia x 25mm Long for Rod End of Cylinder (FWA ONLY)		
	TS-92680425	DX Bush 30mm Dia x 25mm Long for Rod End of Cylinder	2	
14	TS-8MF1003P25NBP01	Return Filter for TEDD/Hydrastore Trailers	1	
	TS-HP135A10AN	Return Filter for DWA Onwards		
15	TS-92680270?	Oil Tank Cap with check valve		
16	TS-T3HP	MP Filtri Pressure Filter for DWA Onwards		
	TS-HF7973	High Pressure Filter Element for TEDD/Hydrastore Trailers		

17	See Separate Drawing	Danfoss Valve Block		
18	TS-92680208	Side Gate Cyl (Could have 3/8 or 1/2" Ports) New Cyls are 1/2" Ports	2	
		DX Bush 30mm Dia x 40mm Long for Bore End of Cylinder	2	
	TS-92683030	DX Bush 30mm Dia x 30mm Long for Rod End of Cylinder	2	
19	TS-92680225	Main Tip Cyl	1	
	TS-92680022	DX Bush 40mm Dia x 40mm Long for Bore End of Cylinder (FWA ONLY)	2	
	TS-92684030	DX Bush 40mm Dia x 30mm Long for Rod End of Cylinder (FWA ONLY)	2	
20	TS-22680304	Tensioner Cyl	1	
21	TS-92680013	Turntable Retract Cyl For DWA and EWA	1	
	TS-92683030	DX Bush 30mm Dia x 30mm Long for Bore End of Cylinder	2	
	TS-92680425	DX Bush 30mm Dia x 25mm Long for Rod End of Cylinder	2	
	TS-92680014	Turntable Retract Cyl For FWA (Spherical Bearings)		
22	TS-92680033	Guidebar Cyl	1	
23	MC-SVP08CDB001	Rear Clamp Selector Valve for EWA and FWA Trailers	1	
	TS-92680219	Rear Clamp Selector Valve for 2013/DWA Trailers		
	TS-DE-S2I-00	Rear Clamp Selector Valve for TEDD Trailers		
24	TS-VUBA380	Side Gate Anti Burst Valve	2	
25	TS-92680002	Fork Raise Cyl - Banjo Fitting Style	2	
	TS-92681183	Fork Raise Cyl - Female Straight fitting style	2	
26	TS-92680240	Pilot Operated Check Valve	2	

Valve Block Layout

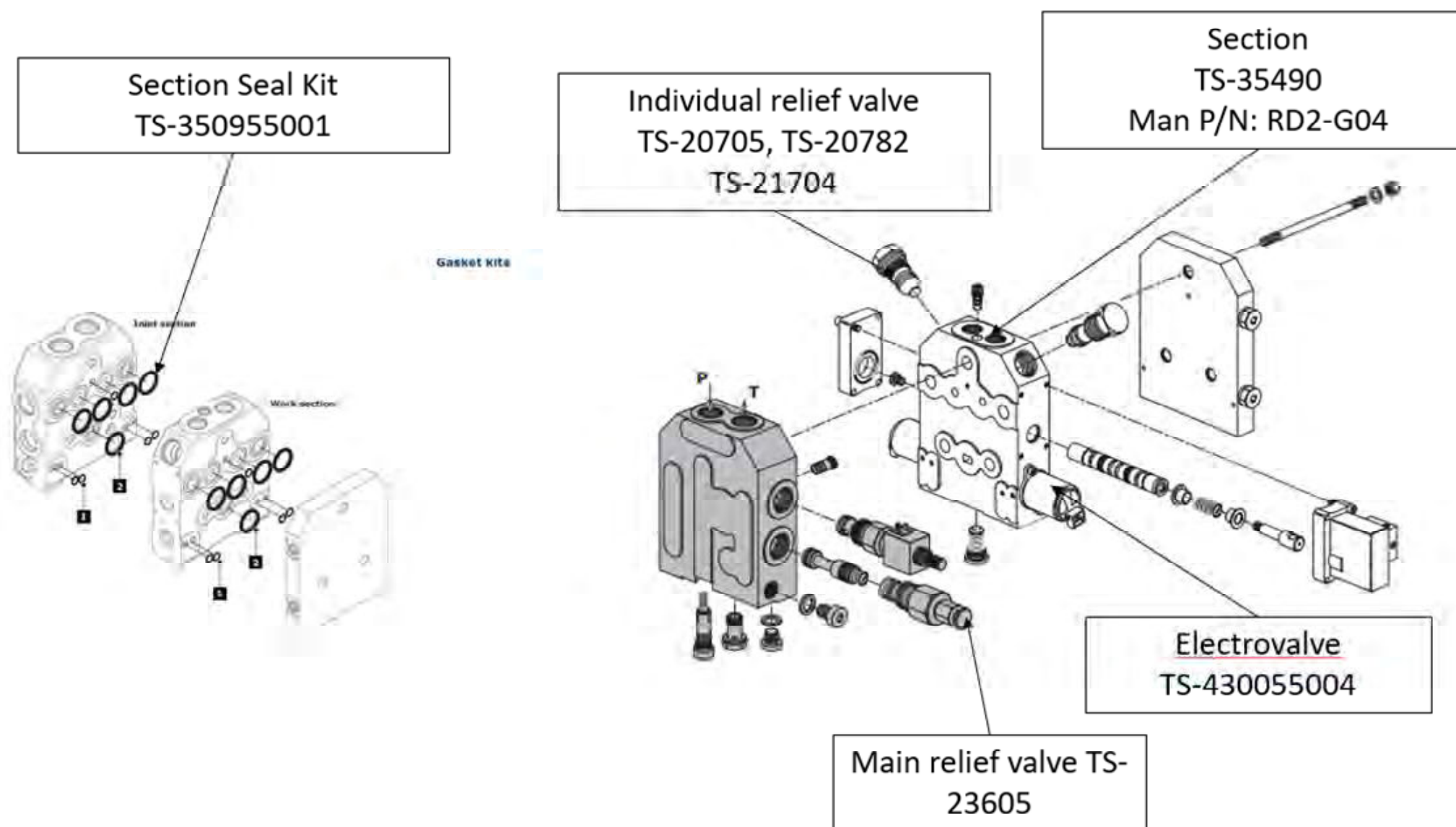


This drawing is NOT to scale.
All dimensions are in mm.

2013 Valve Block Specification						
Slice No.	Function	Handle (PVM)	Housing (PVB)	Spool (PVBS)	Solenoid (PVE)	Notes:
Inlet			157B5111			Main PRV Set at 250 Bar
1	Insert Tines	157B3171	157B6203	157B7023	157B4216	
			LS A 190 Bar	LS B 190 Bar		
2	Pickup Lift	157B3171	157B6203	157B7023	157B4116	
			LS A 205 Bar	LS B 205		
3	Hooks/Rotate	157B3171	157B6203	157B7121	157B4116	
			LS A 190 Bar	LS B 190 Bar		
4	Guide Bar	157B3171	157B6203	157B7021	157B4216	
			LS A 100 Bar	LS B 100 Bar		
5	Turntable Lift	157B3171	157B6203	157B7023	157B4116	
			LS A 205 Bar	LS B 205 Bar		
6	Turntable Extend	157B3171	157B6203	157B7023	157B4116	
			LS A 190 Bar	LS B 190 Bar		
7	Gates and Clamps	157B3171	157B6203	157B7123	157B4116	
			LS A 140 Bar	LS B 70 Bar		
8	Forks	157B3171	157B6203	157B7021	157B4216	
			LS A 190 Bar	LS B 190 Bar		
9	Tip Bed	157B3171	157B6200	157B7003	157B4116	
End			157B2000			
	Assembly Kit		157B8009			

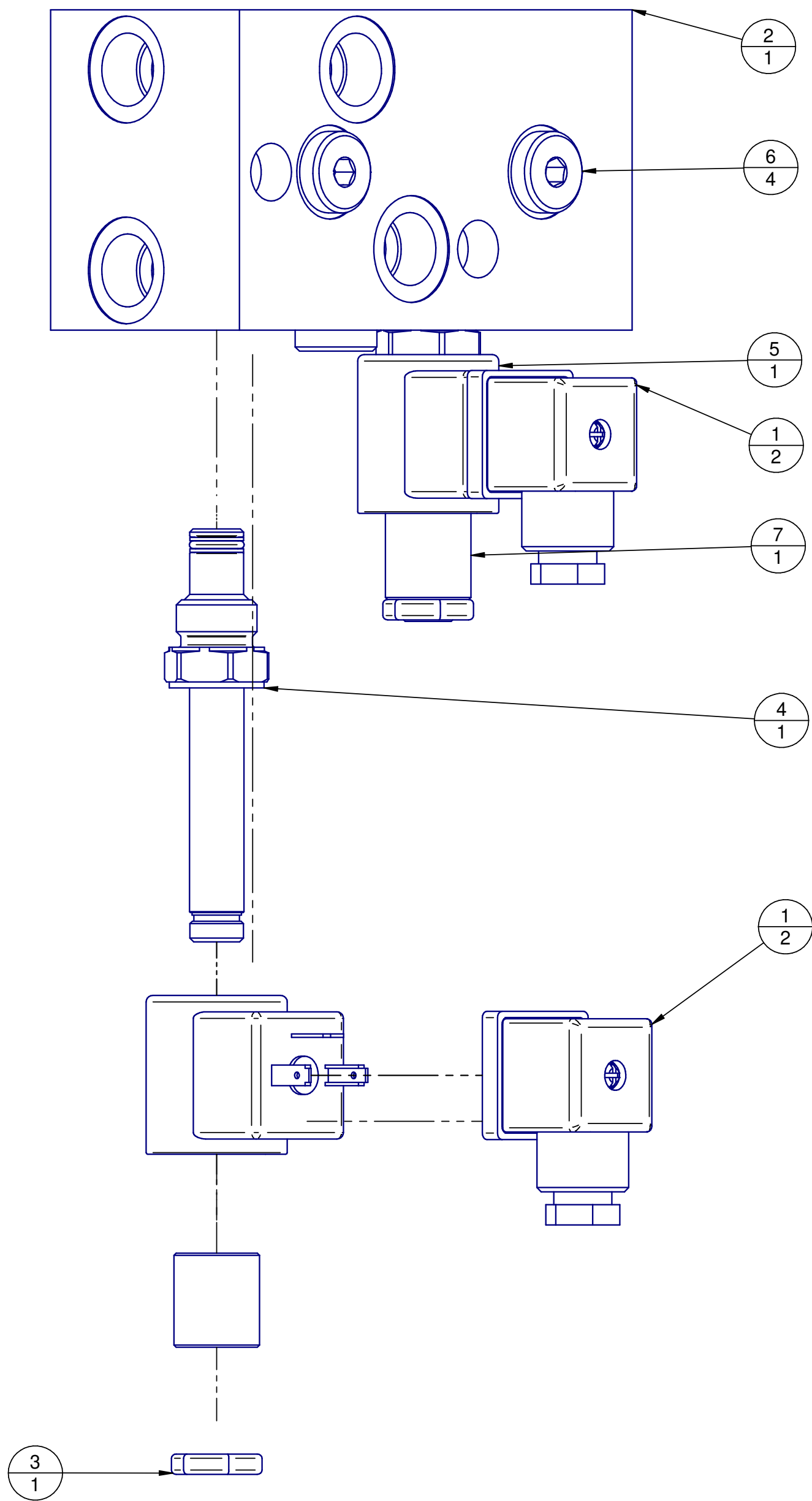
2014 Valve Block Specification						
Slice No.	Function	Handle (PVM)	Housing (PVB)	Spool (PVBS)	Solenoid (PVE)	Notes:
Inlet			157B5111			Main PRV Set at 250 Bar
1	Insert Tines	157B3171	157B6203	157B7023	157B4216	
			LS A 190 Bar	LS B 190 Bar		
2	Pickup Lift	157B3171	157B6203	157B7023	157B4116	
			LS A 205 Bar	LS B 205		
3	Hooks/Rotate	157B3171	157B6203	157B7121	157B4116	
			LS A 190 Bar	LS B 190 Bar		
4	Guide Bar	157B3171	157B6203	157B7021	157B4216	
			LS A 100 Bar	LS B 100 Bar		
5	Turntable Lift	157B3171	157B6203	157B7023	157B4116	
			LS A 205 Bar	LS B 205 Bar		
6	Turntable Extend	157B3171	157B6203	157B7023	157B4116	
			LS A 190 Bar	LS B 190 Bar		
7	Gates and Clamps	157B3171	157B6203	157B7123	157B4116	
			LS A 140 Bar	LS B 70 Bar		
8	Forks	157B3171	157B6203	157B7021	157B4116	
			LS A 190 Bar	LS B 190 Bar		
9	Tip Bed	157B3171	157B6200	157B7003	157B4116	
End			157B2000			
	Assembly Kit		157B8009			

2015 Valve Block Specification						
Slice No.	Function	Handle (PVM)	Housing (PVB)	Spool (PVBS)	Solenoid (PVE)	Notes:
Inlet			157B5111			Main PRV Set at 250 Bar
1	Insert Tines	157B3174	157B6200	157B7003	157B4216	
2	Pickup Lift	157B3174	157B6200	157B7003	157B4116	
3	Hooks/Rotate	157B3174	157B6200	157B7101	157B4116	
4	Guide Bar	157B3174	157B6200	157B7001	157B4216	
5	Turntable Lift	157B3174	157B6200	157B7103	157B4116	
6	Turntable Extend	157B3174	157B6200	157B7003	157B4116	
7	Gates and Clamps	157B3174	157B6203	157B7123	157B4116	
			LS A 140 Bar	LS B 70 Bar		
8	Forks	157B3174	157B6200	157B7001	157B4116	
9	Tip Bed	157B3174	157B6200	157B7003	157B4116	
End			157B2000			
	Assembly Kit		157B8009			



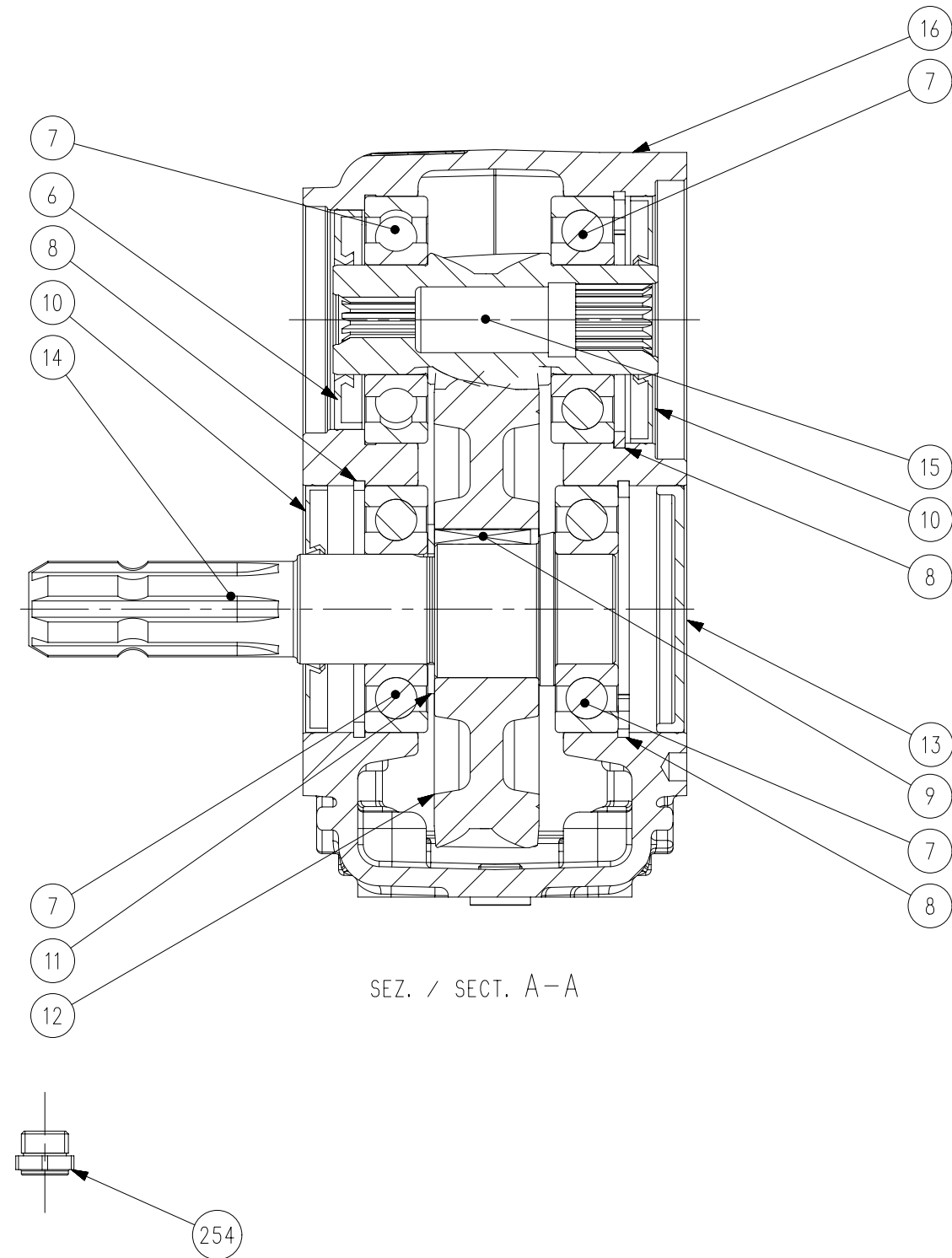
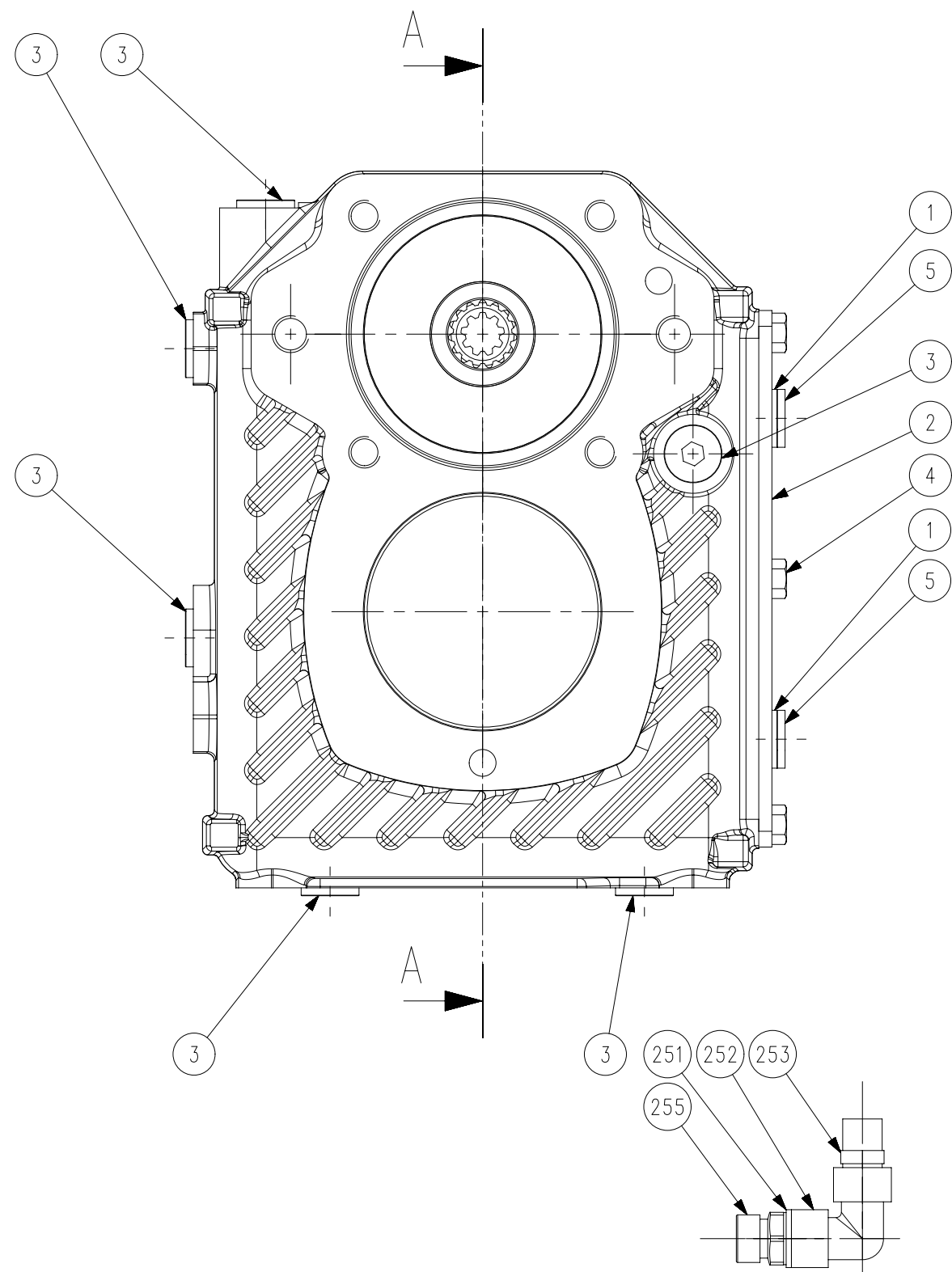
This drawing is NOT
to scale.
All dimensions are
in mm.

A Frame Valve Block Assembly						
Item No.	Part Number	Title	Quantity	Supplier	P/N	Notes
1	TS-RS488949	Hirschmann Plug	2			
2		Diverter Valve Nut	2			
3	TS-92680900?	12V DC Solenoid	2			Does this fit on Spool?
4	TS-92680904	SV10 Normally Closed Spool	1			Supply solenoid with spool
5	TS-92680228R1	A-Frame Selector Block	1			Complete Asm?
6		1/2 Bonded Seal	6			
	TS-92680228	A-Frame Selector Block Complete Asm				



 UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS ANGLES ±0.25° 2 PL ±0.25 3 PL ±0.250		NAME	DATE
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	TITLE		
	Side Gate Diverter Block		
	PART NO	REV	
1003-BI-990			
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SCALE: 1:1		MATERIAL:	

Side Gate Valve Block Assembly						
Item No.	Part Number	Title	Quantity	Supplier	P/N	Notes
1	TS-RS488949	Hirschmann Plug	2			
2		Diverter Valve Nut	2			
3	6356012	12V DC Solenoid	2			
4	TS-SV08-28-0-N-12DG	SV08 Normally Closed Spool	1			Includes Solenoid
5	TS-92681229	Side Gate Selector Block	1			Complete Asm?
6		1/2 Bonded Seal	6			



S.d.M.
21.16102

Code Codice Bestell-Nr. Code	9.649.010.20	Designation Denominazione Bezeichnung Reference	A-649 A	Company Ditta Firma Etablissement	---	Ref. Rif. Betr. Ref.	22927.04	Date Data Datum Date	29-04-2016	 comer industries gearboxes
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Comer Gearbox Assembly Parts						
Item No.	Part Number	Title	Quantity	Supplier	P/N	Notes
6	TS-CO87300027	Oil Seal 40x80x10	1			
7	TS-CO80100050	Bearings	4			
10	TS-CO87101365	Oil Seal 40x90x8/7	2			
13	TS-CO87001054	Cap, Seal 90x10	1			
252	TS-CO9210068001	Gearbox Elbow for Breather	1			
255	TS-CO9510125005	Gearbox Breather	1			
	TS-964901020	Complete Gearbox			9.649.010.10	

