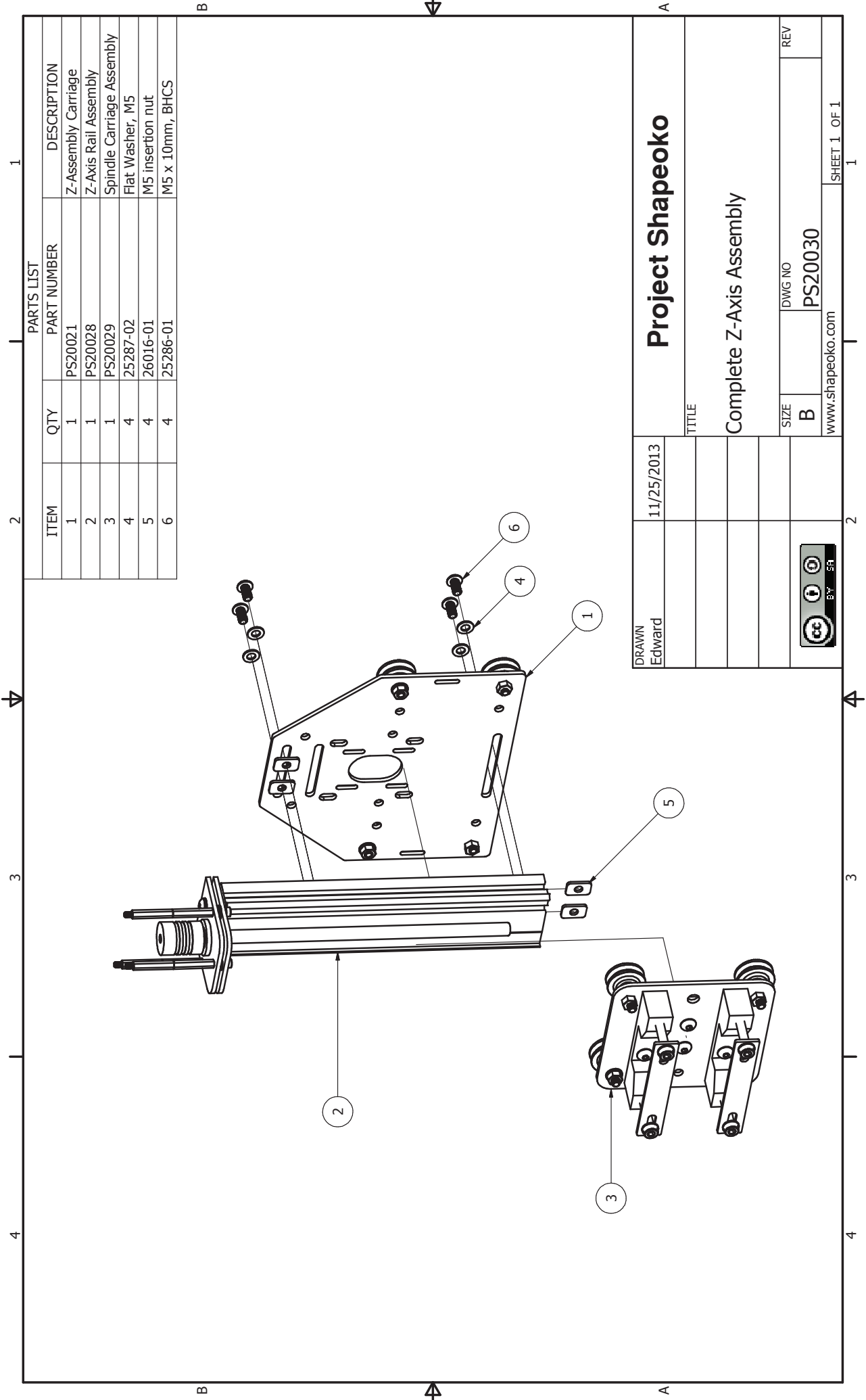


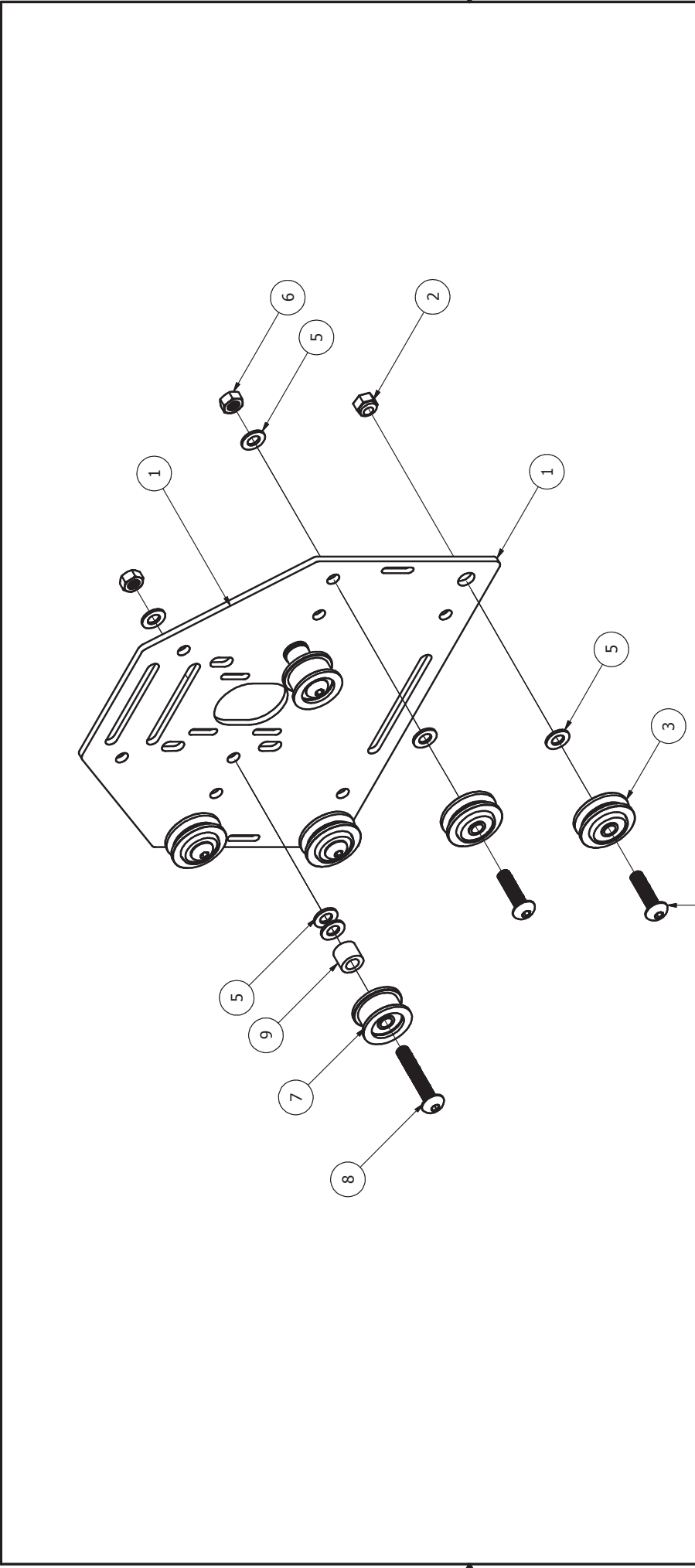
PARTS LIST			DESCRIPTION
ITEM	QTY	PART NUMBER	
1	1	PS20022	Motor Mount Carriage
2	1	PS20030	Complete Z-Axis Assembly
3	6	25312-20	1-1/4" #12 Bore, Aluminum Spacer
4	6	PS20006	M5 x 70mm SHCS
5	12	25287-02	Flat Washer, M5
6	6	PS20002	3/8" x 1-1/4" x #12 bore, aluminum spacer
7	6	25284-02	M5 Hex Nut

DRAWN Edward	11/25/2013	Project Shapeoko	
		TITLE	
		Gantry Carriage	
		SIZE	DWG NO
		B	PS20031
		www.shapeoko.com	
		REV	
		SHEET 1 OF 1	



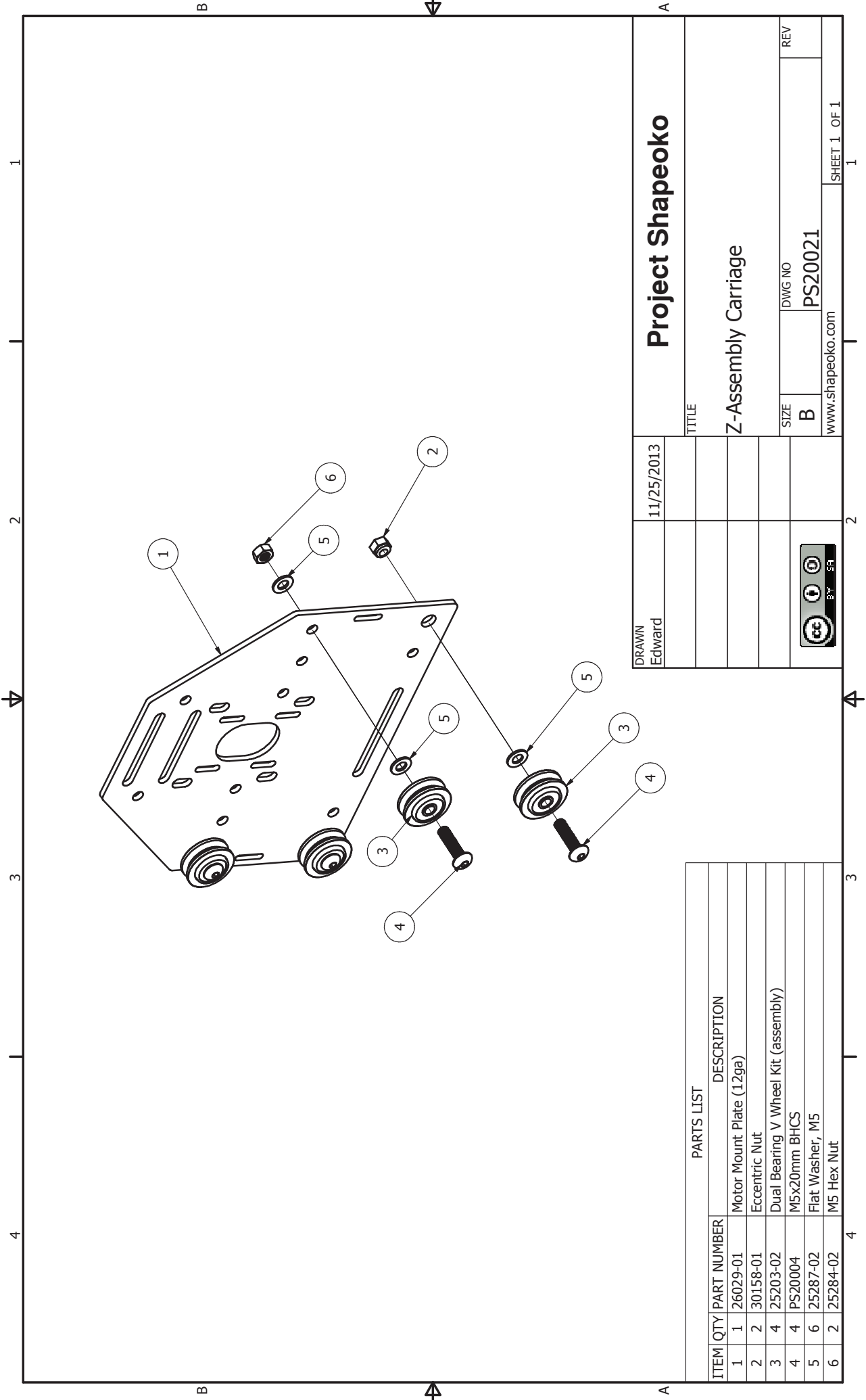
DRAWN Edward	11/25/2013	Project Shapeoko	
		TITLE	
		Complete Z-Axis Assembly	
		SIZE	DWG NO
		B	PS20030
		www.shapeoko.com	
		REV	
		SHEET 1 OF 1	

4 3 2 1



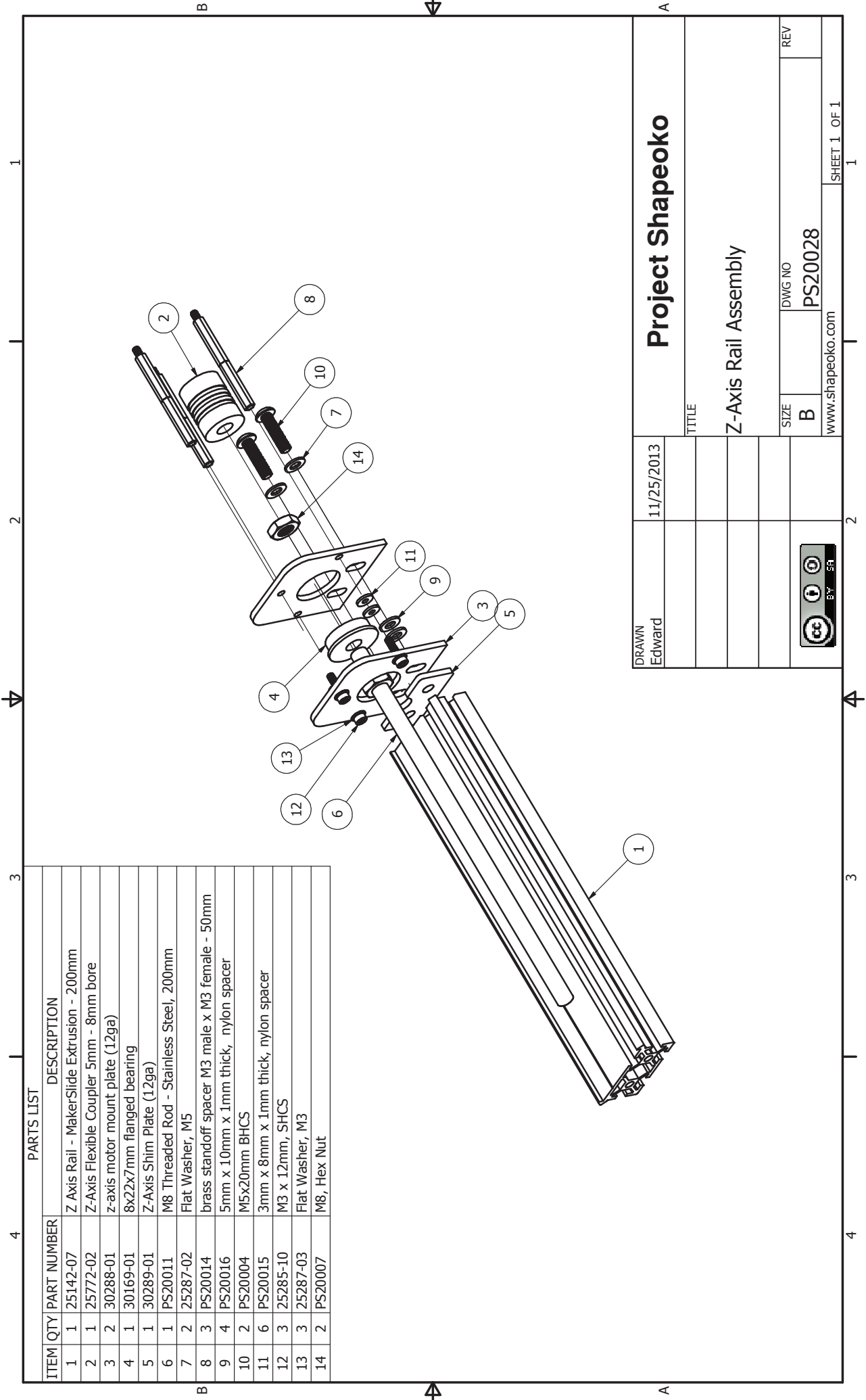
PARTS LIST		
ITEM	QTY	PART NUMBER DESCRIPTION
1	1	26029-01 Motor Mount Plate (12ga)
2	2	30158-01 Eccentric Nut
3	4	25203-02 Dual Bearing V Wheel Kit (assembly)
4	4	PS20004 M5x20mm BHCS
5	12	25287-02 Flat Washer, M5
6	4	25284-02 M5 Hex Nut
7	2	25197-02 Smooth Idler Assembly
8	2	25286-05 M5 x 30mm, BHCS
9	2	25312-14 3/8" x 5/16" x #12 bore, aluminum spacer

DRAWN Edward		11/25/2013	Project Shapeoko	
			TITLE	
			Motor Mount Carriage	
			SIZE	
			B	
			DWG NO	
			PS20022	
			REV	
			www.shapeoko.com	
			SHEET 1 OF 1	



PARTS LIST		
ITEM	QTY	PART NUMBER DESCRIPTION
1	1	26029-01 Motor Mount Plate (12ga)
2	2	30158-01 Eccentric Nut
3	4	25203-02 Dual Bearing V Wheel Kit (assembly)
4	4	PS20004 M5x20mm BHCS
5	6	25287-02 Flat Washer, M5
6	2	25284-02 M5 Hex Nut

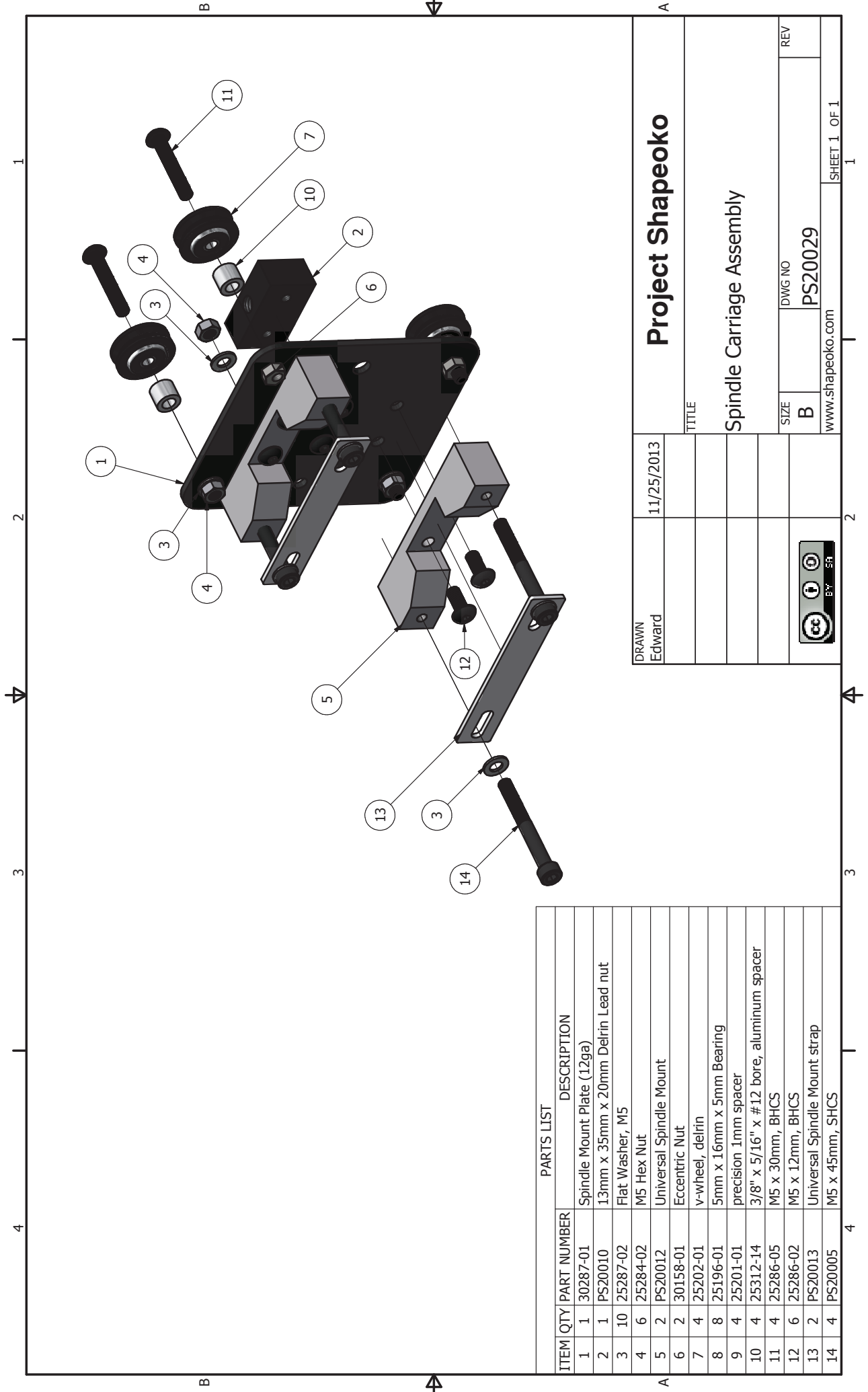
DRAWN Edward		11/25/2013	Project Shapeoko	
			TITLE	
			Z-Assembly Carriage	
			SIZE	DWG NO
			B	PS20021
			www.shapeoko.com	
			SHEET 1 OF 1	



PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	25142-07	Z Axis Rail - MakerSlide Extrusion - 200mm
2	1	25772-02	Z-Axis Flexible Coupler 5mm - 8mm bore
3	2	30288-01	z-axis motor mount plate (12ga)
4	1	30169-01	8x22x7mm flanged bearing
5	1	30289-01	Z-Axis Shim Plate (12ga)
6	1	PS20011	M8 Threaded Rod - Stainless Steel, 200mm
7	2	25287-02	Flat Washer, M5
8	3	PS20014	brass standoff spacer M3 male x M3 female - 50mm
9	4	PS20016	5mm x 10mm x 1mm thick, nylon spacer
10	2	PS20004	M5x20mm BHCS
11	6	PS20015	3mm x 8mm x 1mm thick, nylon spacer
12	3	25285-10	M3 x 12mm, SHCS
13	3	25287-03	Flat Washer, M3
14	2	PS20007	M8, Hex Nut

DRAWN Edward	11/25/2013	Project Shapeoko	
		TITLE	
		Z-Axis Rail Assembly	
		SIZE	DWG NO
		B	PS20028
		www.shapeoko.com	
		REV	
		SHEET 1 OF 1	



PARTS LIST		
ITEM	QTY	PART NUMBER DESCRIPTION
1	1	30287-01 Spindle Mount Plate (12ga)
2	1	PS20010 13mm x 35mm x 20mm Delrin Lead nut
3	10	25287-02 Flat Washer, M5
4	6	25284-02 M5 Hex Nut
5	2	PS20012 Universal Spindle Mount
6	2	30158-01 Eccentric Nut
7	4	25202-01 v-wheel, delrin
8	8	25196-01 5mm x 16mm x 5mm Bearing
9	4	25201-01 precision 1mm spacer
10	4	25312-14 3/8" x 5/16" x #12 bore, aluminum spacer
11	4	25286-05 M5 x 30mm, BHCS
12	6	25286-02 M5 x 12mm, BHCS
13	2	PS20013 Universal Spindle Mount strap
14	4	PS20005 M5 x 45mm, SHCS

<div></div>	DRAWN Edward	11/25/2013	Project Shapeoko			
			TITLE			
			Spindle Carriage Assembly			
			SIZE	DWG NO	REV	
			B	PS20029		
			www.shapeoko.com			
			SHEET 1 OF 1			