


PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	2Axis_JoystickAssembly	
2	11	MC005	3/4" Metal Conduit
3	4	MC006	3/4" Metal Conduit
4	6	MC007	3/4" Metal Conduit
5	2	Caster Socket	
6	16	T Connector Assy	Maker Pipe Connector
7	12	90 Degree Connector Assembly	Maker Pipe Connector
8	4	4 Way Connector Assy	Maker Pipe Connector
9	5	Rubber Plug	
10	8	Rubber Plug 2	
11	62	AS 1285 - M6	Prevailing torque steel hexagon locknuts (ISO metric series)
12	1	Shorter Bottom Plate for Castors_2	Acrylic Plate
13	1	Upper Plate	Acrylic Plate
14	1	MC009	3/4" Metal Conduit
15	52	ANSI B18.3.1M - M6x1 x 35	Broached Socket Head Cap Screw - Metric
16	2	MC012	3/4" Metal Conduit
17	2	1.03051.441 MTG1	Caster Wheel Assy (to 145 lb/ea)-
18	1	MC013	3/4" Metal Conduit
19	1	YH-100806-03	Electronics Enclosure Box
20	4	MC010_S	3/4" Metal Conduit
21	2	MC011_S	3/4" Metal Conduit
22	2	MC002_S	3/4" Metal Conduit
23	4	ANSI B18.3.1M - M6x1 x 16	Broached Socket Head Cap Screw - Metric
24	2	MC015_S	3/4" Metal Conduit
25	4	Main Maker Pipe 45 connector	Maker Pipe Connector
26	1	Bottom Plate_2	Acrylic Plate
27	2	Dual Shaft and Gear Box	Drive Train Assembly
28	4	ANSI B18.3.1M - M8x1.25 x 12	Broached Socket Head Cap Screw - Metric
29	3	ANSI B18.3.1M - M6x1 x 45	Broached Socket Head Cap Screw - Metric
30	4	AS 1285 - M8	Prevailing torque steel hexagon locknuts (ISO metric series)
31	4	ANSI B18.3.1M - M6x1 x 40	Broached Socket Head Cap Screw - Metric
32	1	Wheelchair Seat Cushion	

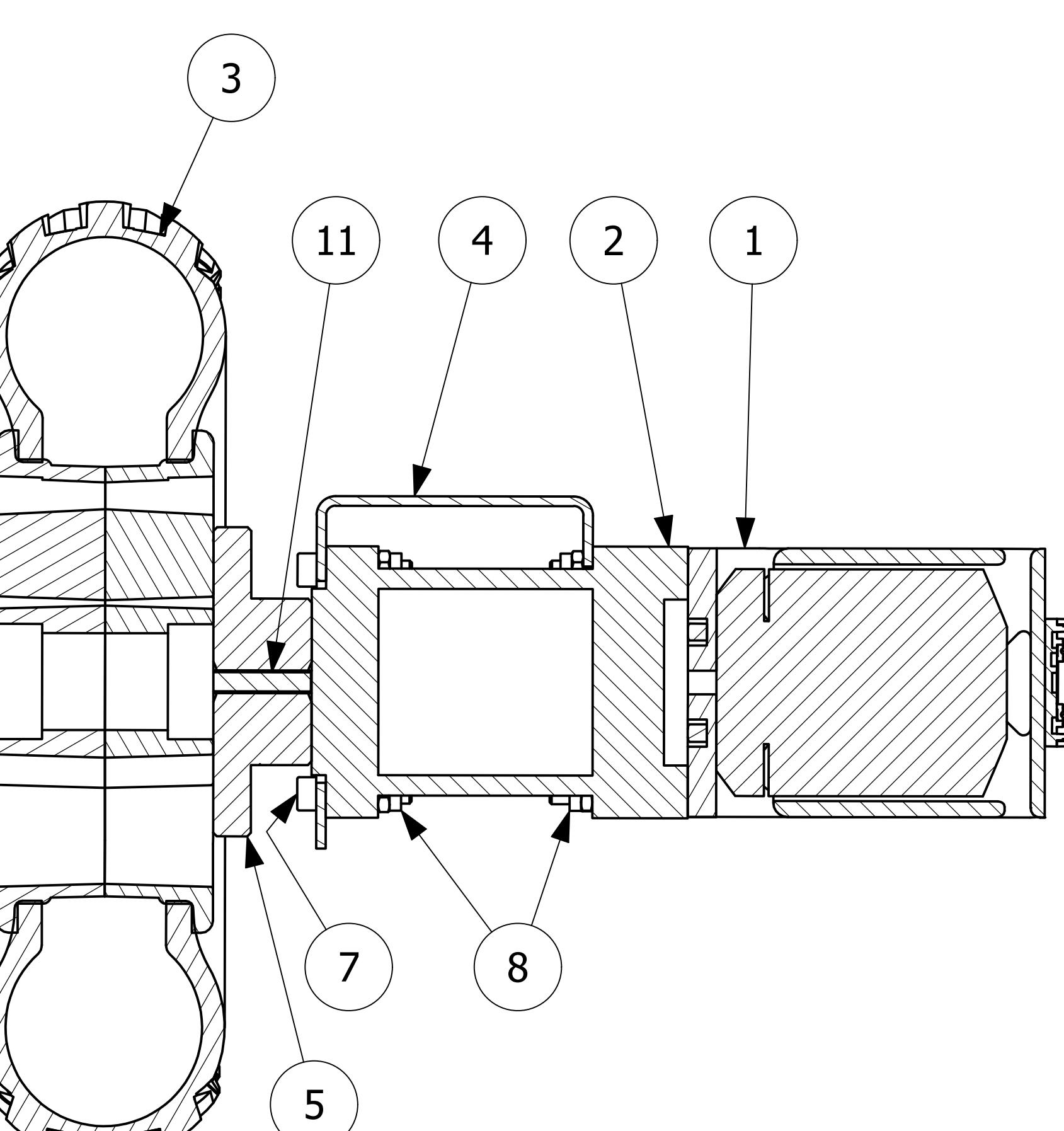
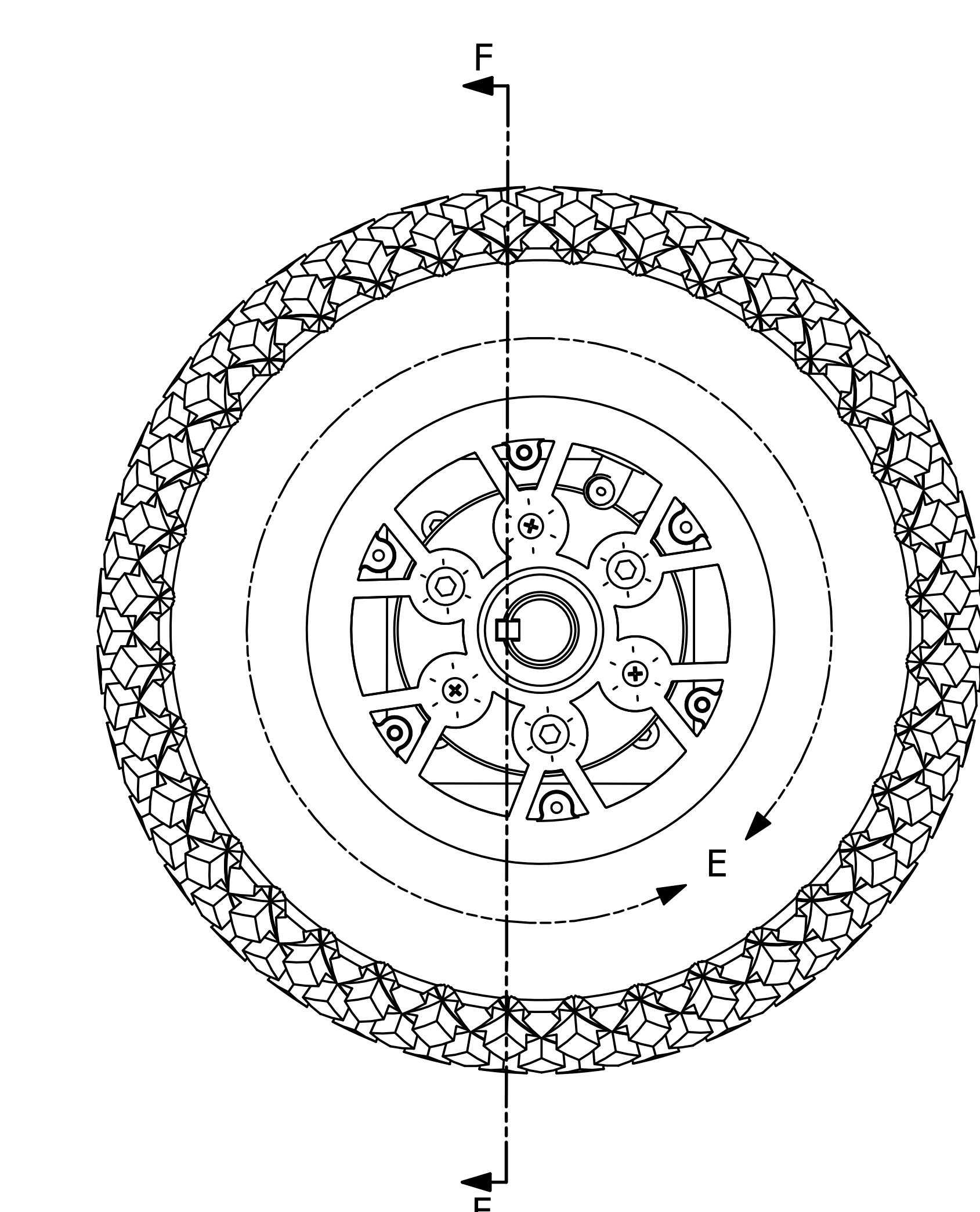
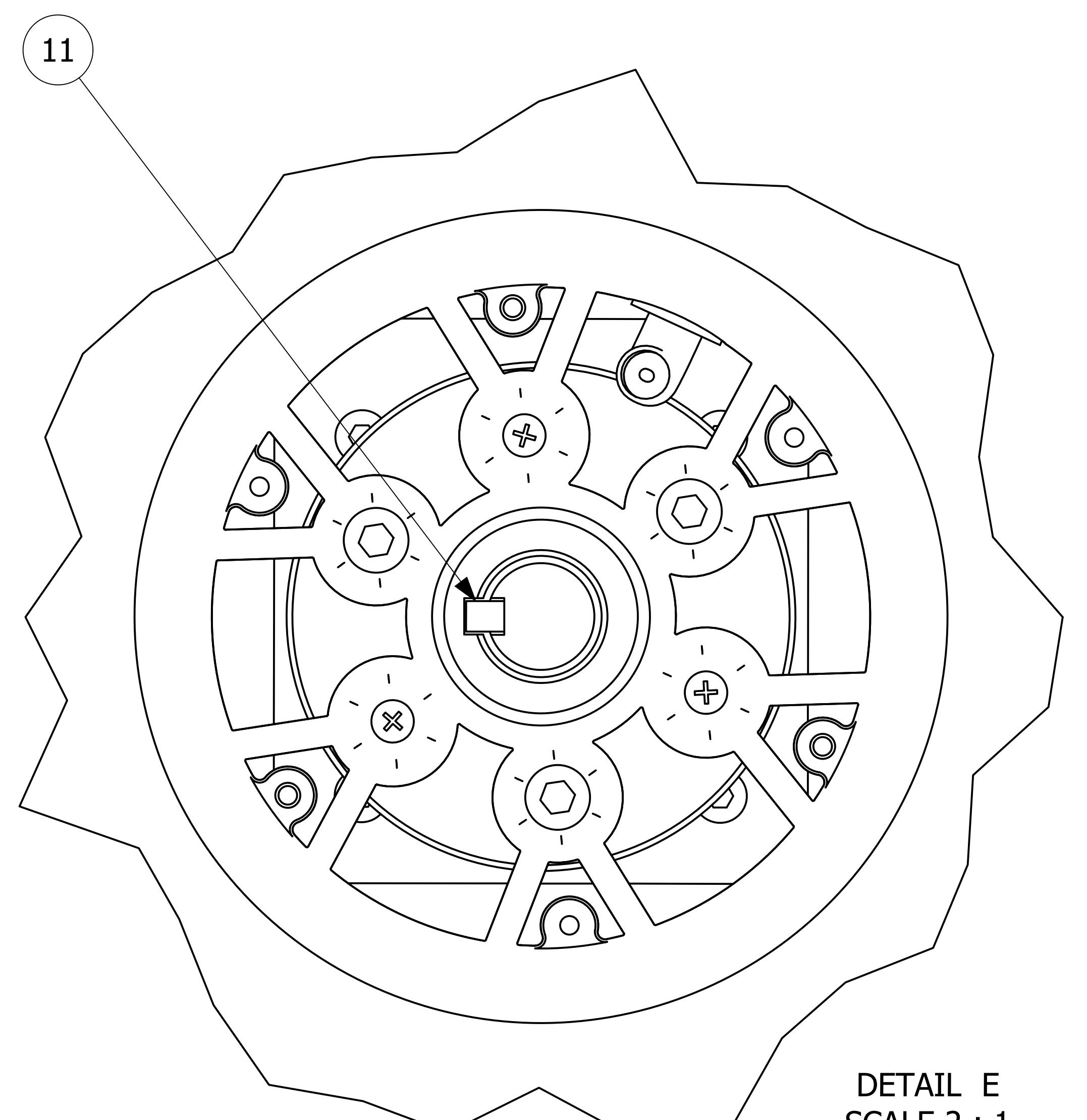
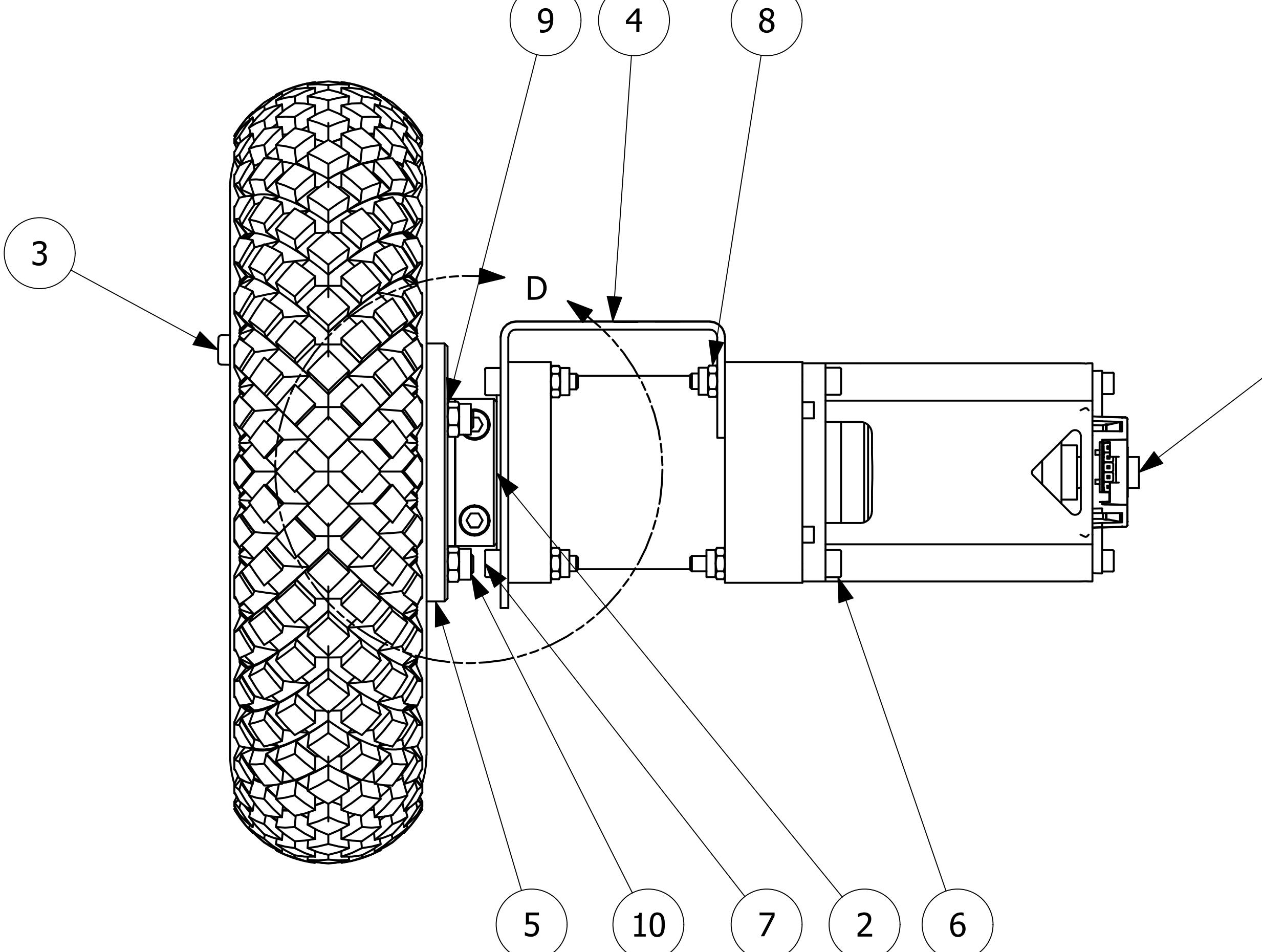
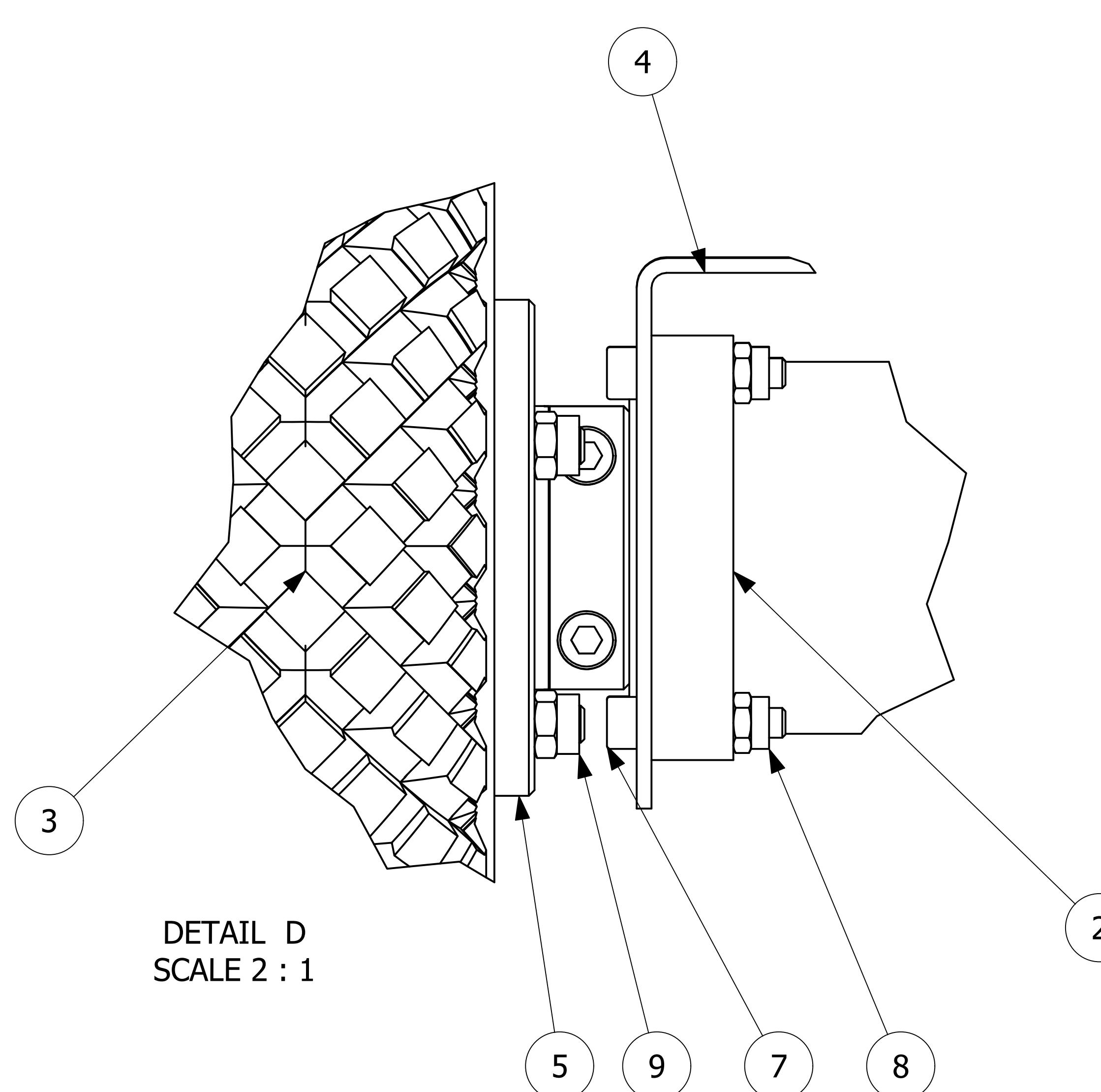
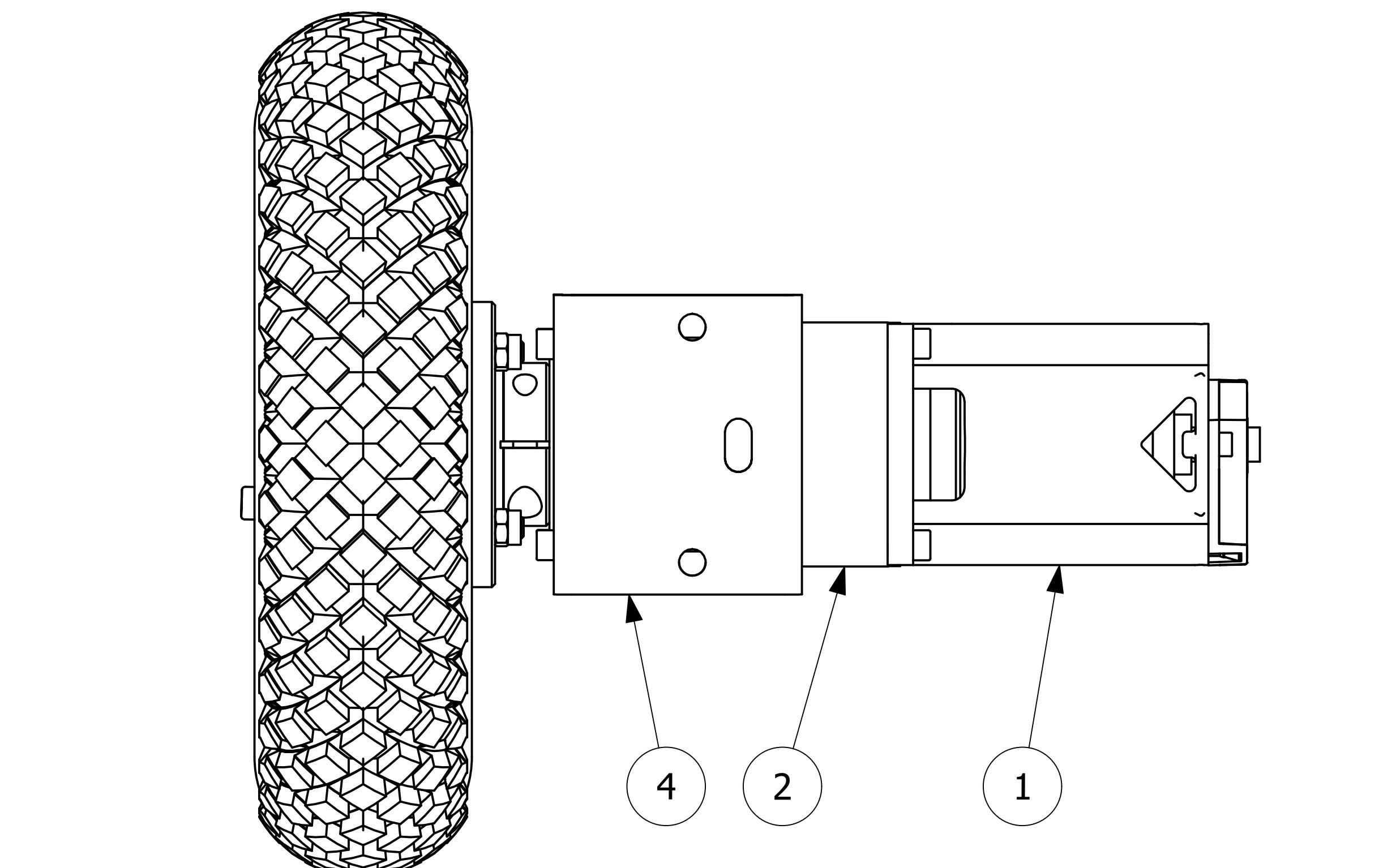
DRAWN
Collins
CHECKED
Dylan
QA
TITLE
WheelChair with Straight Conduits & Motor/Gear Assembly & Caster Wheels
MFG
APPROVED
SIZE
E
DWG NO
WC_20181205_005
REV

SCALE
1 / 2
SHEET
2 OF 13



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	Dual Shaft Motor	
2	1	PX36Gearbox	
3	1	PneumaticWheel_a m-0970	STEP AP214
4	1	Motor_Gear Bracket2	
5	1	1A010AFCK-Stafford ManufacturingCorp. -07-14-2018	starvars output
6	4	KS B 1003 - M 4 x 35	Hexagon head tapping screws
7	4	KS B 1003 - M 4 x 20	Hexagon head tapping screws
8	8	AS 1285 - M4	Prevailing torque steel hexagon locknuts (ISO metric series)
9	3	AS 1285 - M5	Prevailing torque steel hexagon locknuts (ISO metric series)
10	3	ANSI B18.3.1M - M5x0.8 x 55	Broached Socket Head Cap Screw - Metric
11	1	Shaft Key	

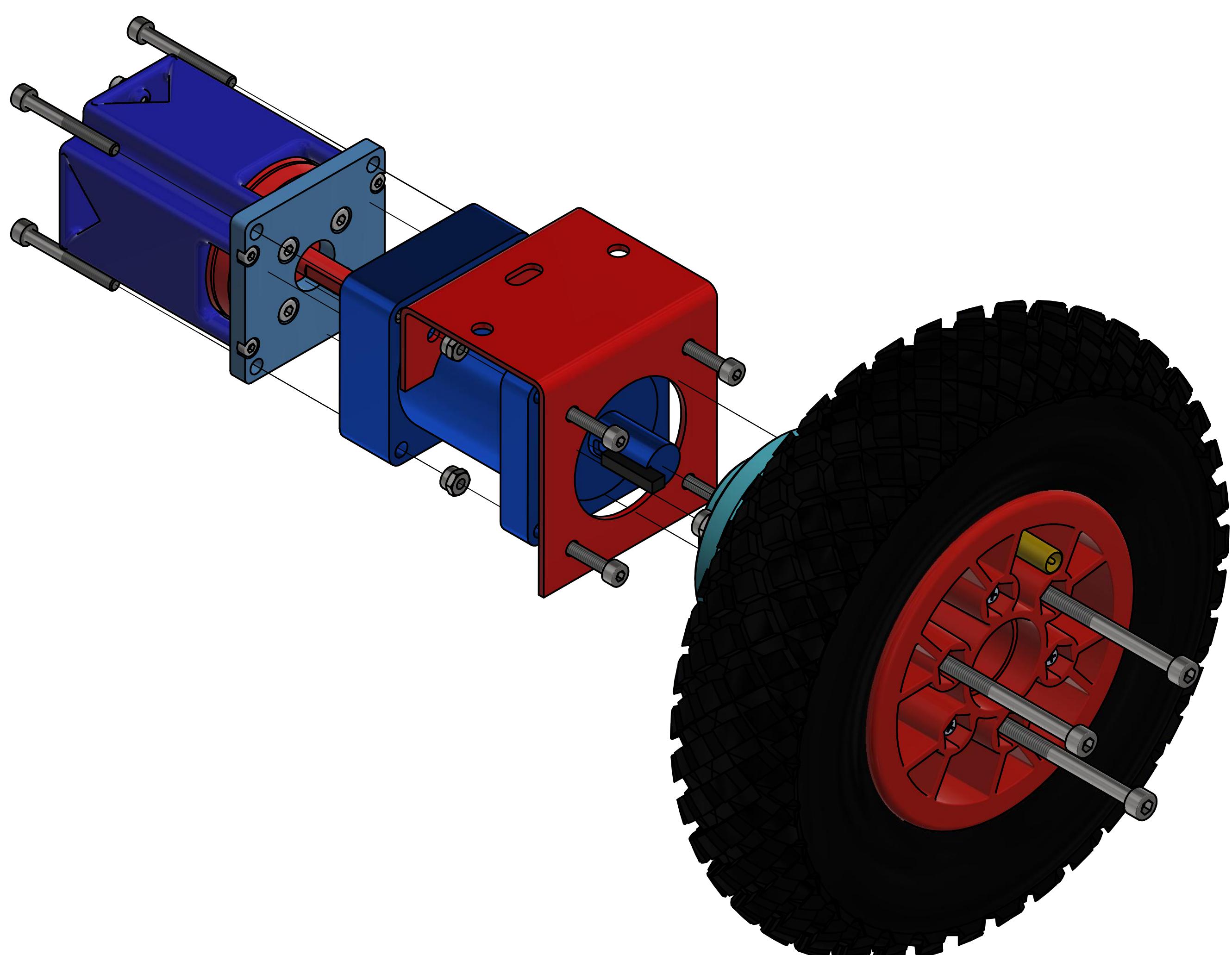
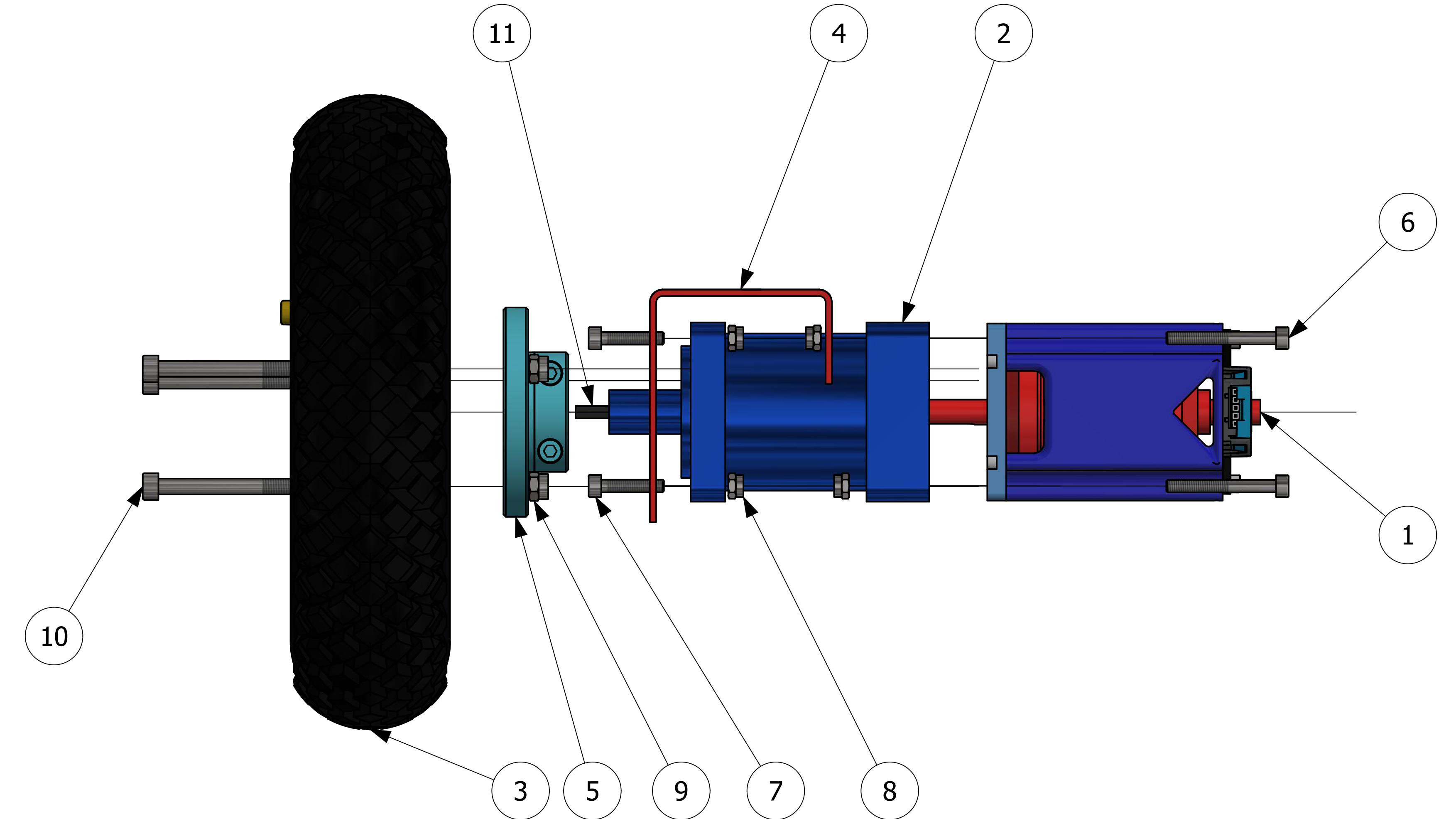
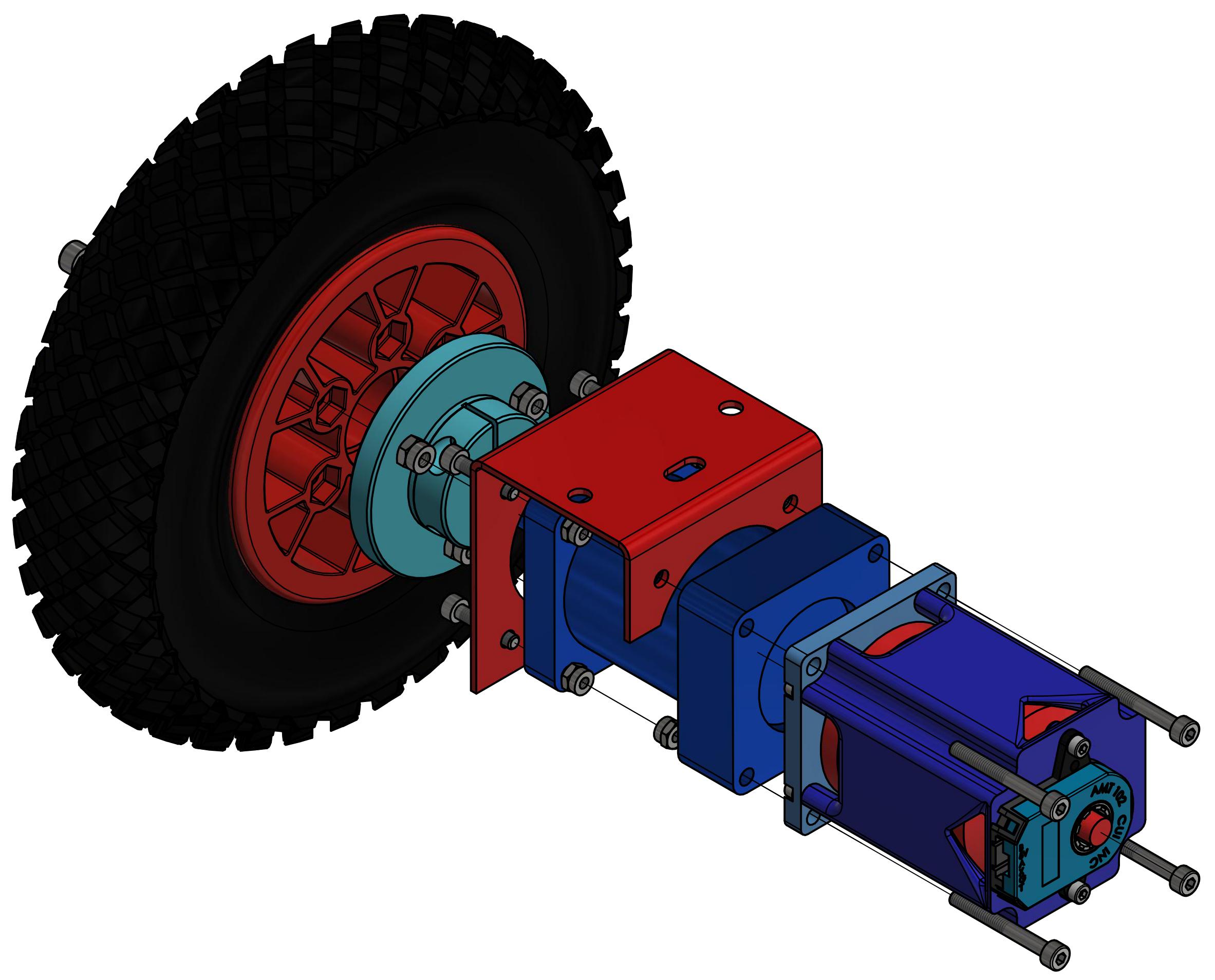
NOTE: Two sets needed per wheelchair



SECTION F-F
SCALE 1 : 1

DRAWN Collins	12/5/2018	RoboMakery Inc.
CHECKED Dylan		
QA		
MFG		
APPROVED		
SIZE E	DWG NO WC_20181205_005	REV #
SCALE 1 : 1		
SHEET 4 OF 13		

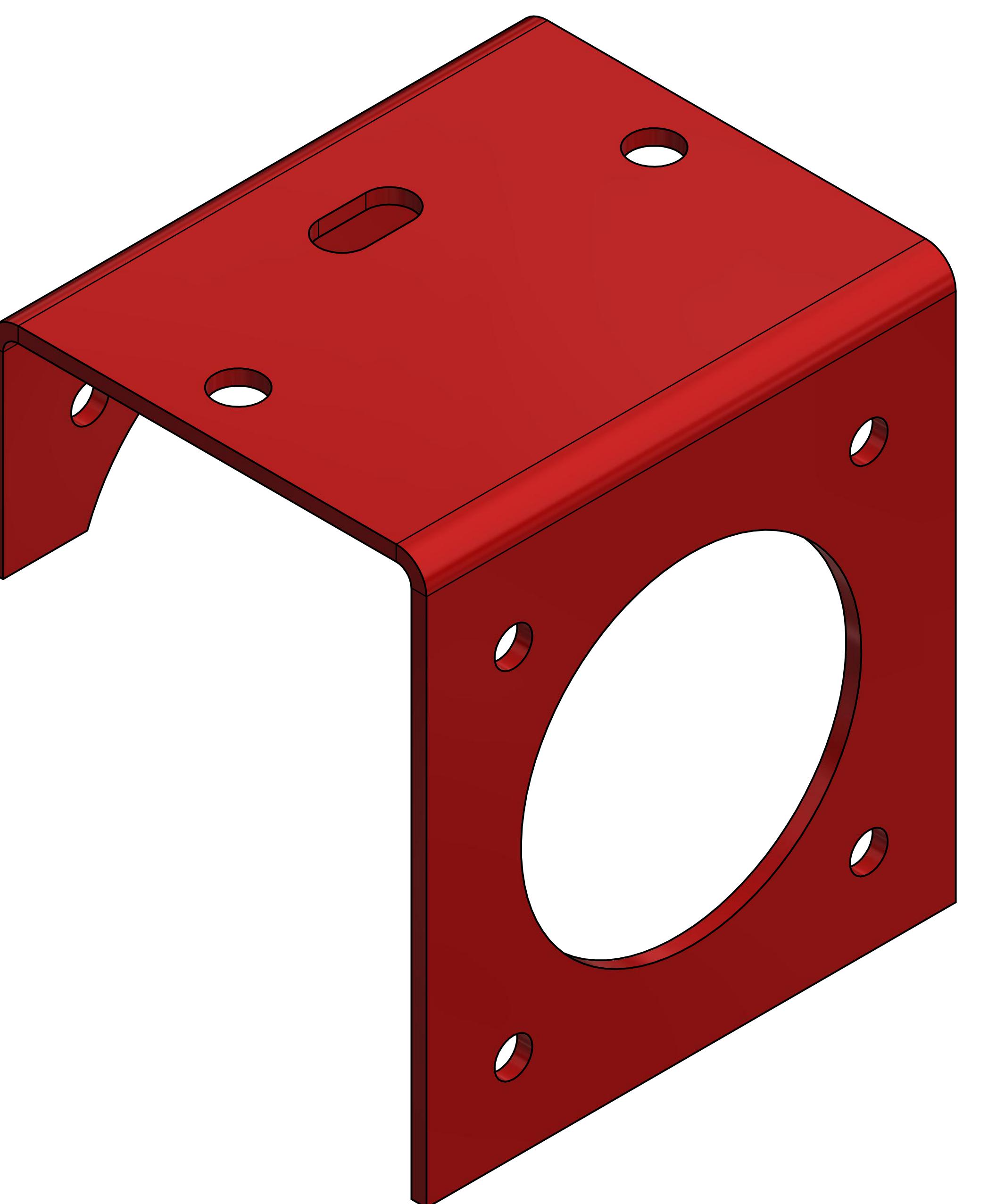
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	Dual Shaft Motor	
2	1	PX36Gearbox	
3	1	PneumaticWheel_am	STEP AP214 -0970
4	1	Motor_Gear Bracket2	
5	1	1A010AFCK-Stafford ManufacturingCorp.-07-14-2018	starvars output
6	4	KS B 1003 - M 4 x 35	Hexagon head tapping screws
7	4	KS B 1003 - M 4 x 20	Hexagon head tapping screws
8	8	AS 1285 - M4	Prevailing torque steel hexagon locknuts (ISO metric series)
9	3	AS 1285 - M5	Prevailing torque steel hexagon locknuts (ISO metric series)
10	3	ANSI B18.3.1M - M5x0.8 x 55	Broached Socket Head Cap Screw - Metric
11	1	Shaft Key	



NOTE: THIS VIEW IS FOR AIDING IN ASSEMBLY

DRAWN Collins	12/5/2018	RoboMakery Inc.
CHECKED Dylan		
QA		
MFG		WheelChair with Straight Conduits & Motor/Gear Assembly & Caster Wheels
APPROVED		
SIZE E	DWG NO WC_20181205_005	REV #
SCALE 1 : 1		
SHEET 5	OF 13	

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	Motor_Gear Bracket2	



A technical drawing showing a top-down view of a hexagonal base. The base has rounded corners and a central circular feature. A dimension line indicates a height of 6.25 mm from the bottom edge to the top of the central feature. Another dimension line shows a width of 6.25 mm across one of the hexagonal sides. A callout at the top left specifies "R3.13 mm X2", indicating two rounded corners on the top edge.

DETAIL G

SCALE 6 : 1

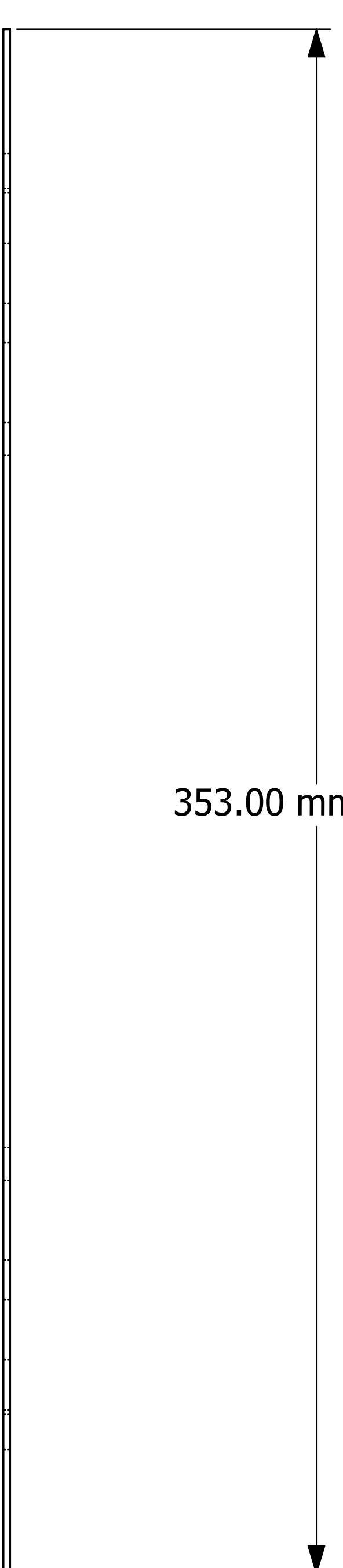
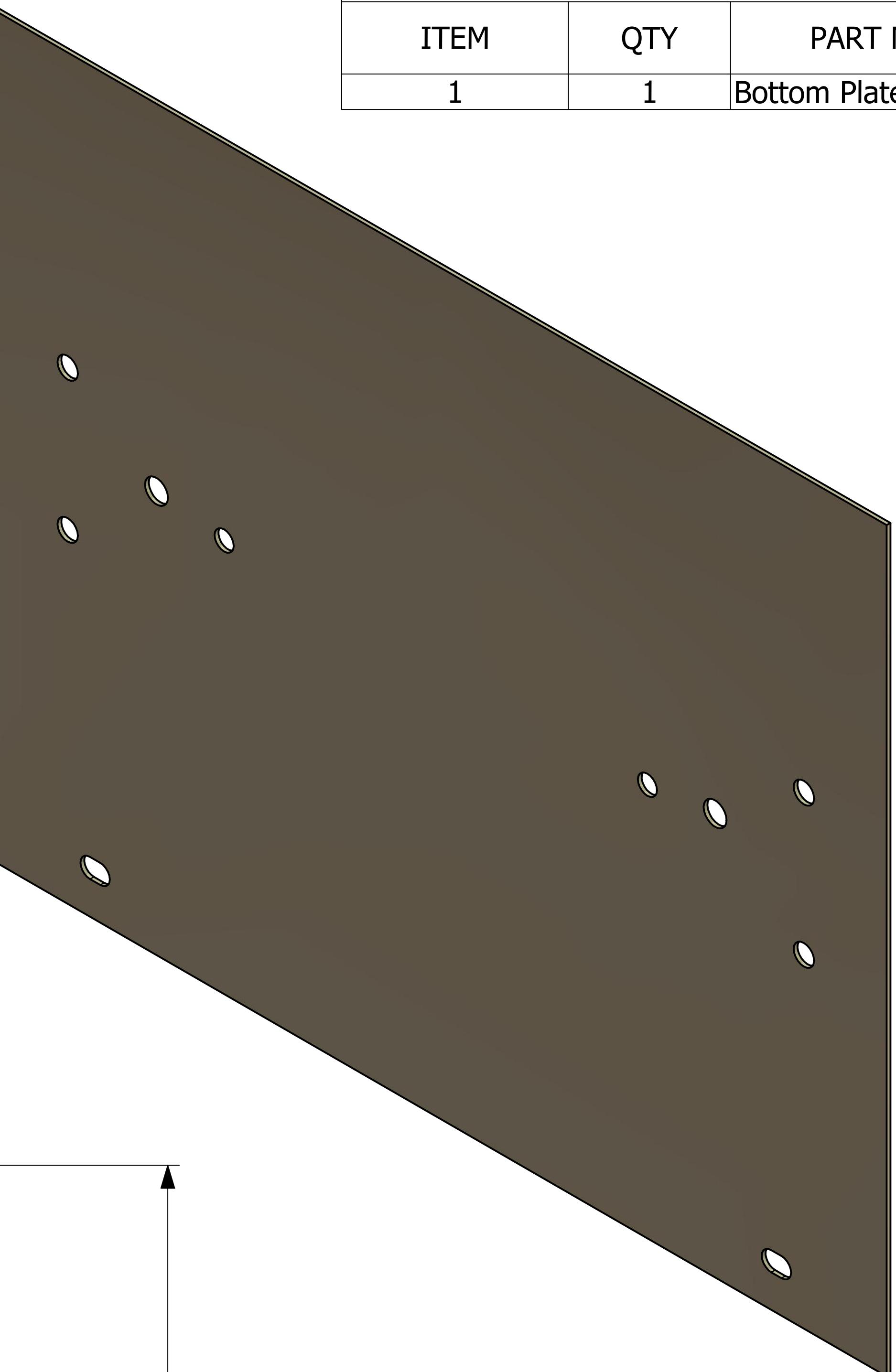
**DETAIL G
SCALE 6 : 1**

70.00 mm (REF)

NOTE: FLAT PATTERN TO BE BENT PER SPEC

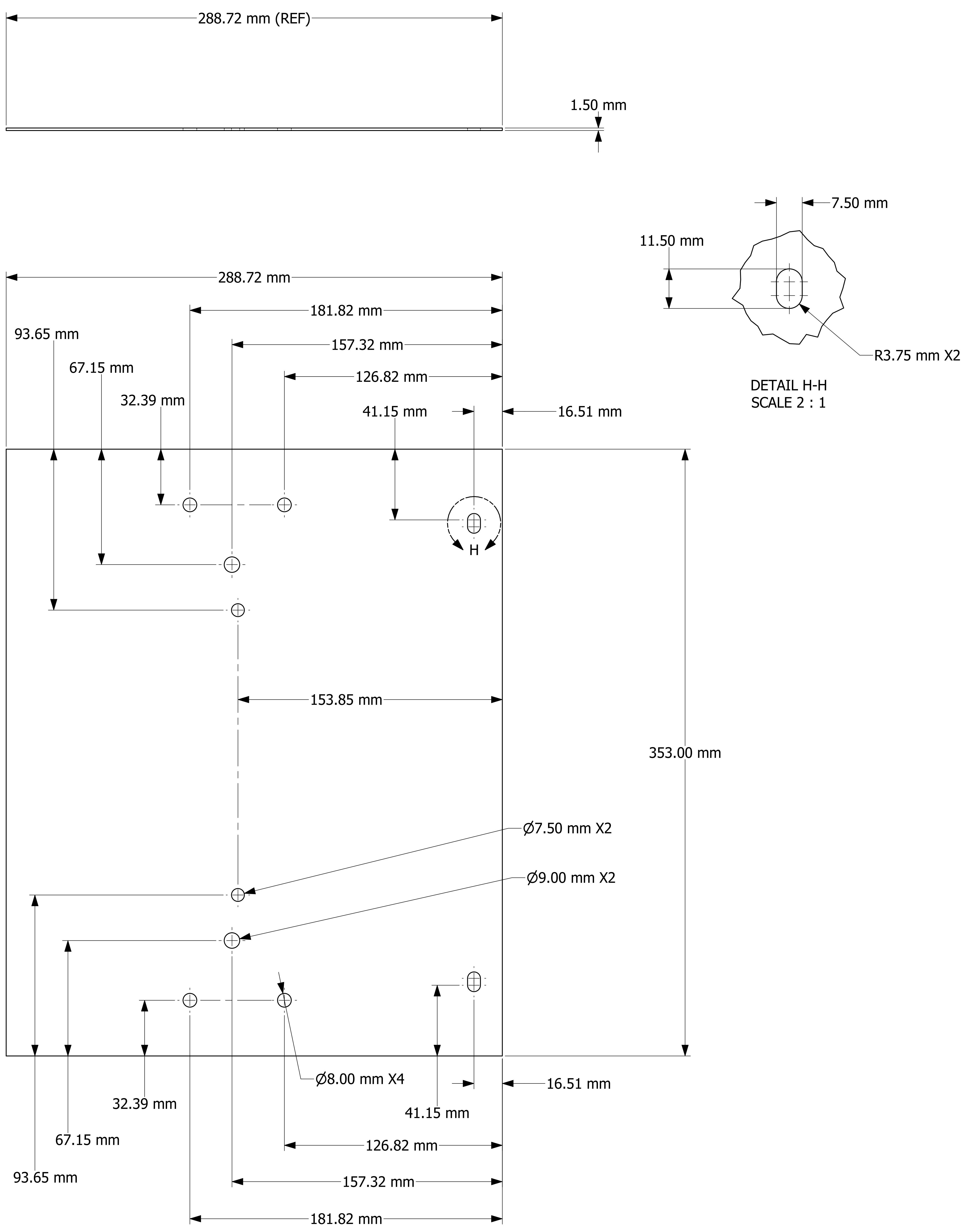
DRAWN Collins	12/5/2018	RoboMakery Inc.		
CHECKED Dylan		TITLE		
QA				
MFG		WheelChair with Straight Conduits & Motor/Gear Assembly & Caster Wheels		
APPROVED		SIZE E	DWG NO WC_20181205_005	REV #
		SCALE 3 : 1	SHEET 6 OF 13	

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	Bottom Plate_2	



NOTE: THE ACRYLIC PLATE CAN BE 2" IN THICKNESS FOR EXTRA STRENGTH

DRAWN		RoboMakery Inc.		
Collins	12/5/2018			
CHECKED		TITLE		
Dylan				
QA				
MFG				
APPROVED				
	SIZE E		DWG NO WC_ 20181205_005	REV #
	SCALE 1 : 1		SHEET 7	OF 13



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	Shorter Bottom Plate for Castors_2	

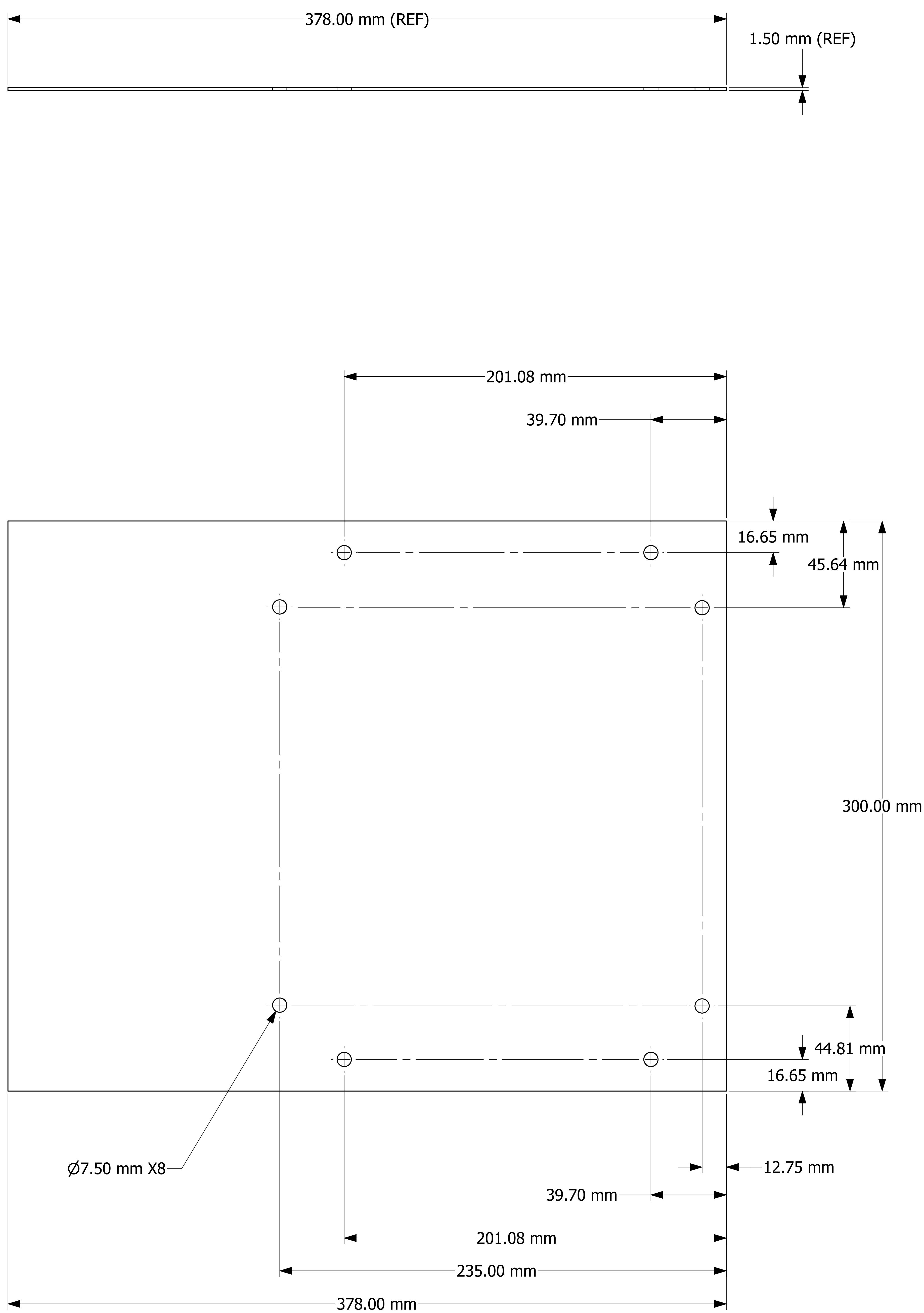


300.00 mm (REF)

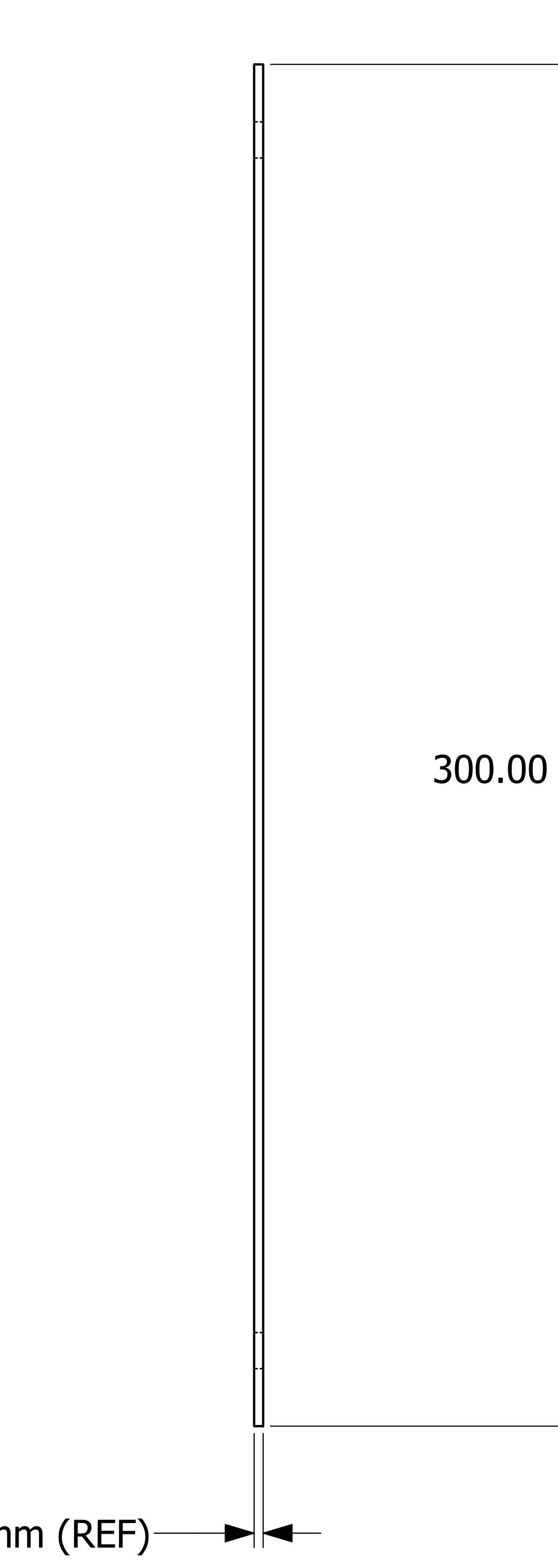
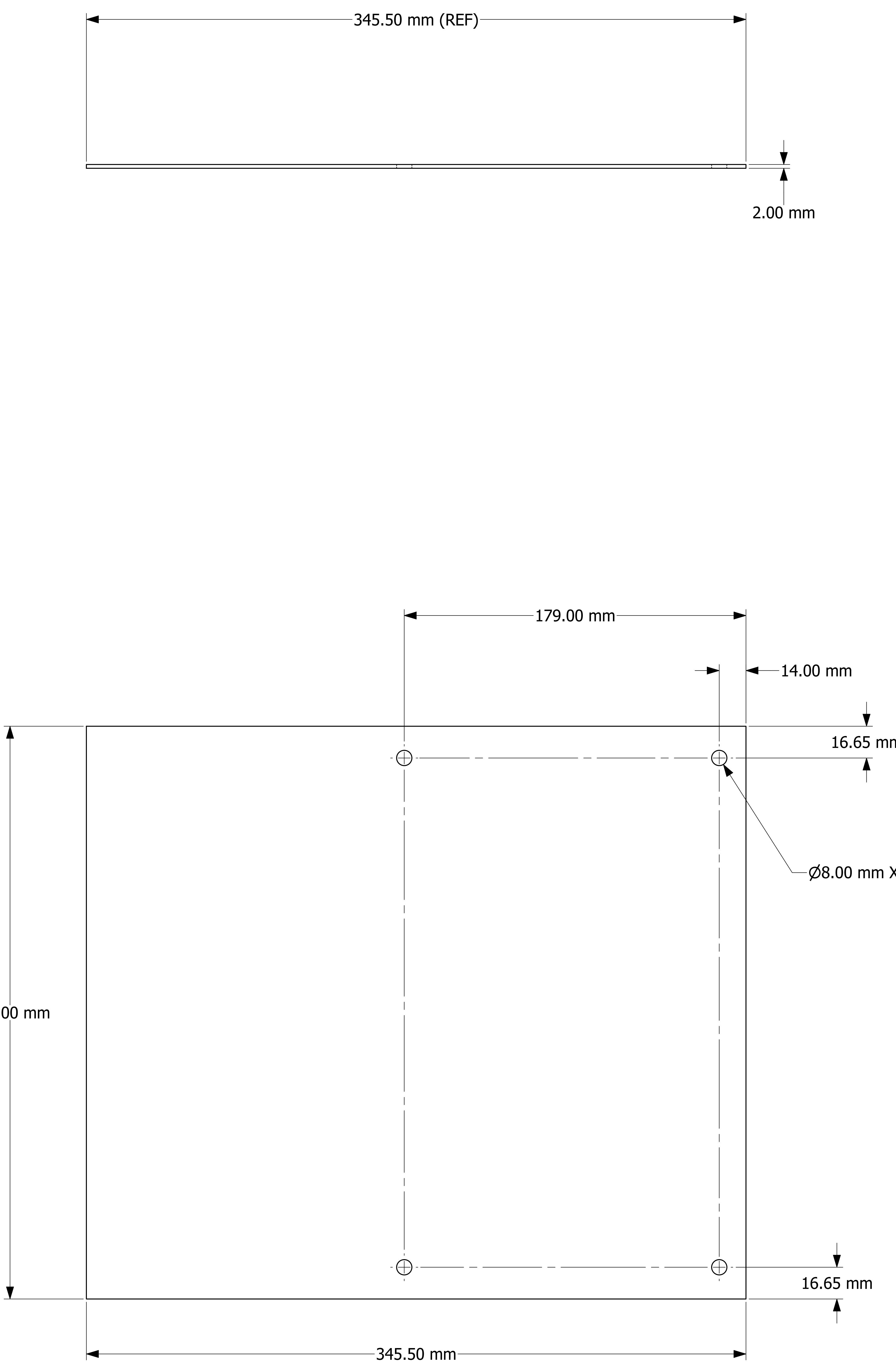
1.50 mm

NOTE: THE ACRYLIC PLATE CAN BE 2" IN THICKNESS FOR EXTRA STRENGTH


DRAWN Collins	12/5/2018	RoboMakery Inc.		
CHECKED Dylan		TITLE		
QA				
MFG		WheelChair with Straight Conduits & Motor/Gear Assembly & Caster Wheels		
APPROVED		SIZE E	DWG NO WC_20181205_005	REV #
	SCALE 1 : 1		SHEET 8	OF 13




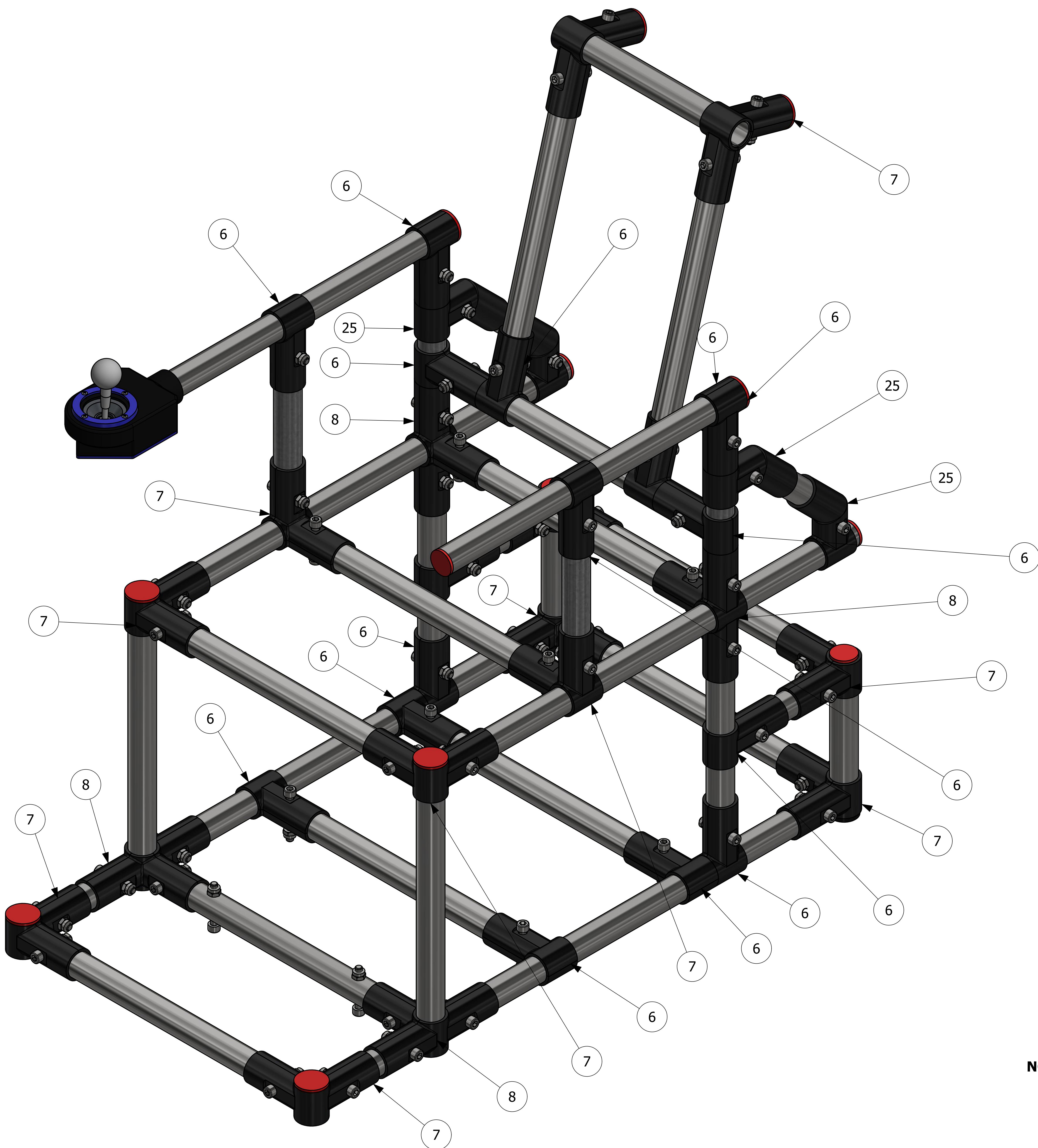
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	Upper Plate	



DRAWN Collins	12/5/2018	RoboMakery Inc.
CHECKED Dylan		TITLE
QA		WheelChair with Straight Conduits & Motor/Gear Assembly & Caster Wheels
MFG		Motor/Gear Assembly & Caster Wheels
APPROVED		
	SIZE E	DWG NO WC_20181205_005
	SCALE 1 : 1	REV #







NOTE: VIEW SHOWING NEEDED MAKER PIPE CONNECTORS

DRAWN	Collins	12/5/2018	RoboMakery Inc.
CHECKED	Dylan		
QA			
MFG			
APPROVED			
SIZE	E	DWG NO	WC_20181205_005
SCALE	.75 : 1	REV	#
SHEET	12	OF	13

