

Rev		
NOTES:		
DRAWN BY: Rory Aronson, 2024-12-20	PROJECTION: First Angle	SHEET: 2 of 5 SIZE: A3
COMPANY: FarmBot Inc	UNITS: Millimeters	
LICENSE: CC0 Public Domain Dedication	SCALE: 1:4	

1 2 3 4 5 6 7 8 9 10

A

B

C

D

E

F

G

H

A

B

C

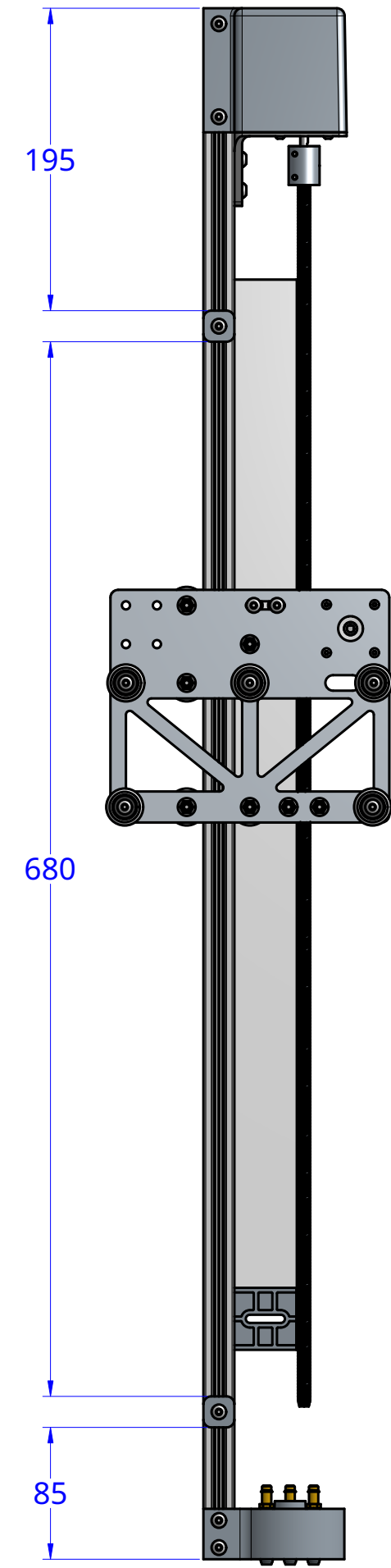
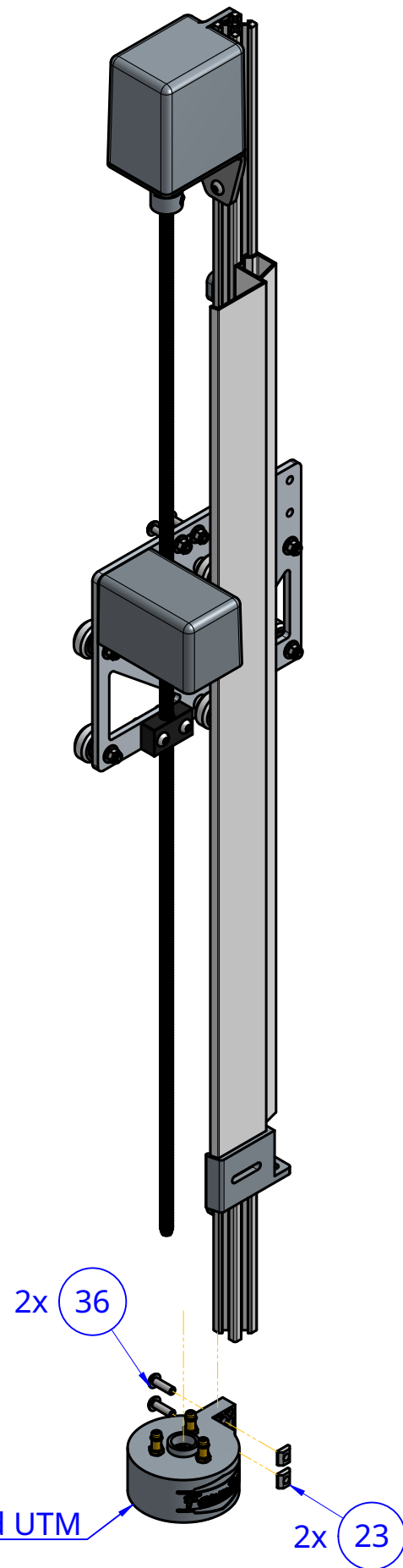
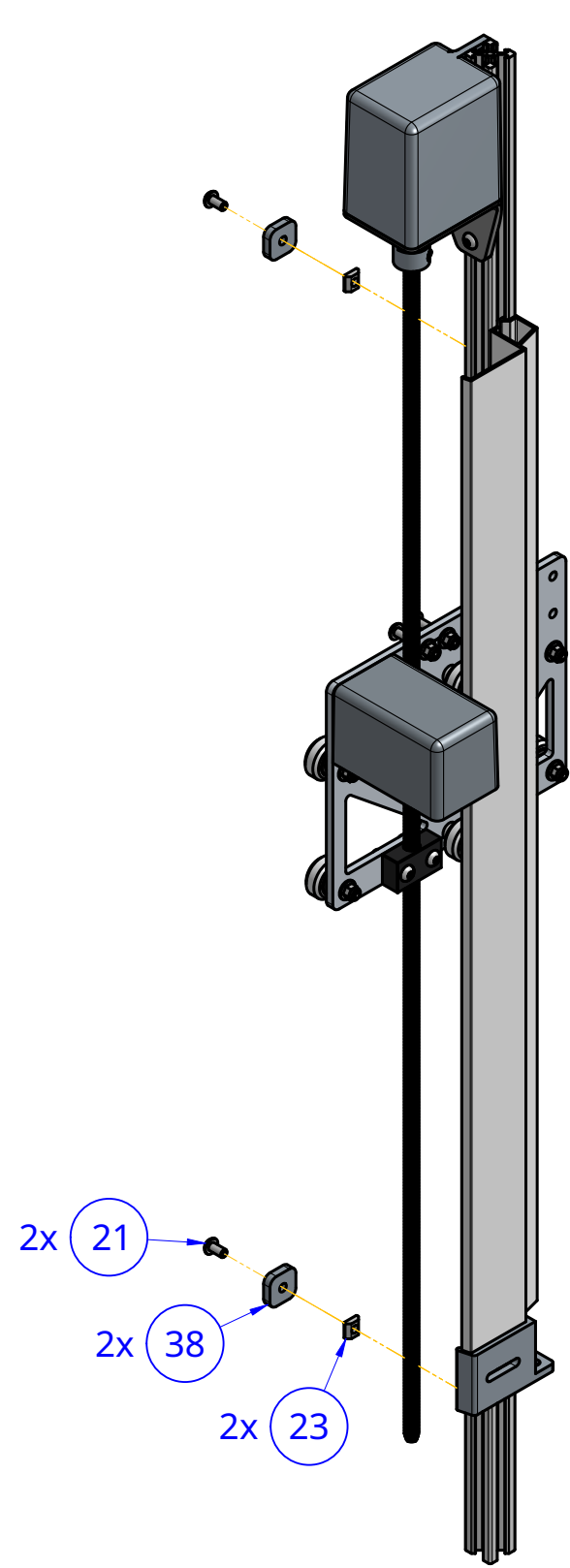
D

E

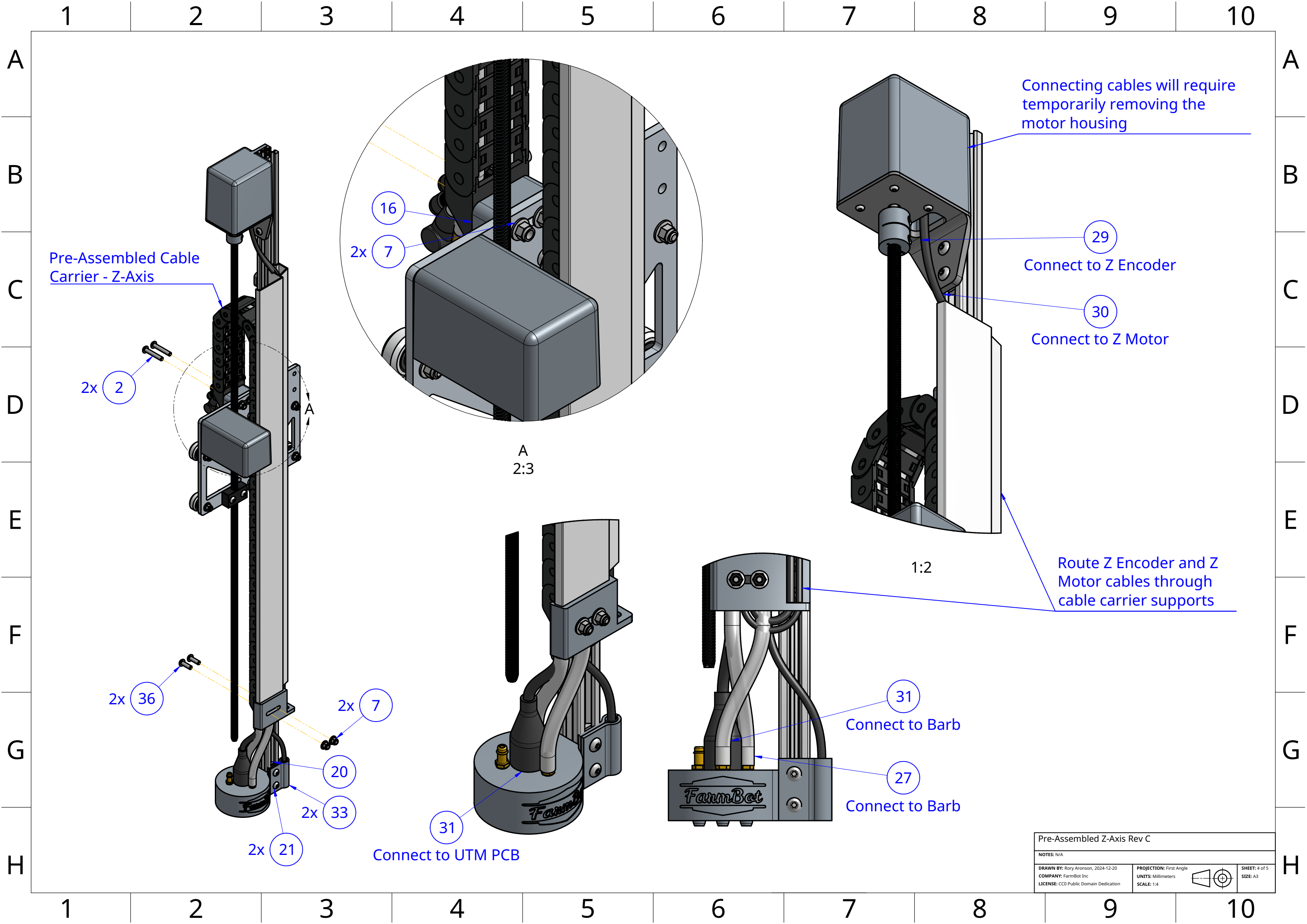
F

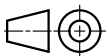
G

H



Pre-Assembled Z-Axis Rev C		
NOTES: N/A		
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1		2		3		4		5		6		7		8		9		10	
A	Item	Internal Part Name				Rev	Quantity												
	1	Genesis Cross-Slide Plate				D	1												
	2	M5 x 30mm Screw					12												
	3	V-Wheel				B	10												
	4	Bearing - SS-625-2RS				A	20												
B	5	M5 x 1mm Precision Shim				A	10												
	6	M5 x 6mm Spacer				A	5												
	7	M5 Flange Locknut					16												
	8	M5 x 6mm Eccentric Spacer				A	5												
	9	NEMA 17 Stepper Motor					2												
C	10	GT2 Pulley (20 Tooth)				A	1												
	11	SS Setscrews w/ 2mm drive					2												
	12	Motor Housing - Horizontal, 75mm				A	1												
	13	M3 x 12mm Screw					4												
	14	Leadscrew Block				B	1												
D	15	M5 x 25mm Screw					2												
	16	40mm Cable Carrier Spacer Block				B	1												
	17	Extrusion - 20mm x 20mm x 1000mm (Z-Axis)				N/A	1												
	18	Genesis Z-Axis Motor Mount				E	1												
	19	M3 x 10mm Screw					4												
E	20	Nut Bar - 40mm				A	3												
	21	M5 x 10mm Screw					10												
	22	Motor Housing - Vertical, 80mm				B	1												
	23	Nut Bar - 10mm				A	6												
	24	Leadscrew - 8mm x 800mm					1												
F	25	Shaft Coupler - 5mm to 8mm				A	1												
	26	Cable Carrier - 15 x 30 x 740mm (37 links + end pieces in Z configuration)					1												
	27	6 x 10mm Tube - 0.95m (Water, Z-axis, all bots)					1												
	28	90 Degree Barb - Brass				A	1												
	29	Encoder Cable - ZZ, 1.8m (Genesis and Genesis XL)				A	1												
G	30	Motor Cable - ZZ, 1.8m (Genesis and Genesis XL)				A	1												
	31	UTM Cable - Z, 0.9m (Genesis and Genesis XL)				B	1												
	32	Camera				C	1												
	33	Camera Mount Half				A	2												
	34	6 x 10mm Tube - 0.95m (Vacuum, Z-Axis, all bots)					1												
H	35	40mm Vertical Cable Carrier Support				B	1												
	36	M5 x 16mm Screw					4												
	37	Cable Carrier Support - Vertical, 40mm, Extruded, 650mm				D	1												
	38	Z-Axis Hardstop				A	2												
	39	UTM				B	1												
	40	M5 Barb				A	3												
	41	UTM PCB				A	1												
	42	Pogo Pin					12												
	43	Pogo Pin Jam Nut					24												
	44	Magnet - UTM				A	3												
	45	M5 x 16mm Flat Head Screw					3												
	46	O-Ring - X Profile					3												
<div><div>Pre-Assembled Z-Axis Rev C</div><div><div>NOTES: N/A</div><div><div>DRAWN BY: Rory Aronson, 2024-12-20</div><div>COMPANY: FarmBot Inc</div><div>LICENSE: CC0 Public Domain Dedication</div></div><div><div>PROJECTION: First Angle</div><div>UNITS: Millimeters</div><div>SCALE:</div></div><div><div>SHEET: 5 of 5 SIZE: A3</div></div></div></div>																			
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