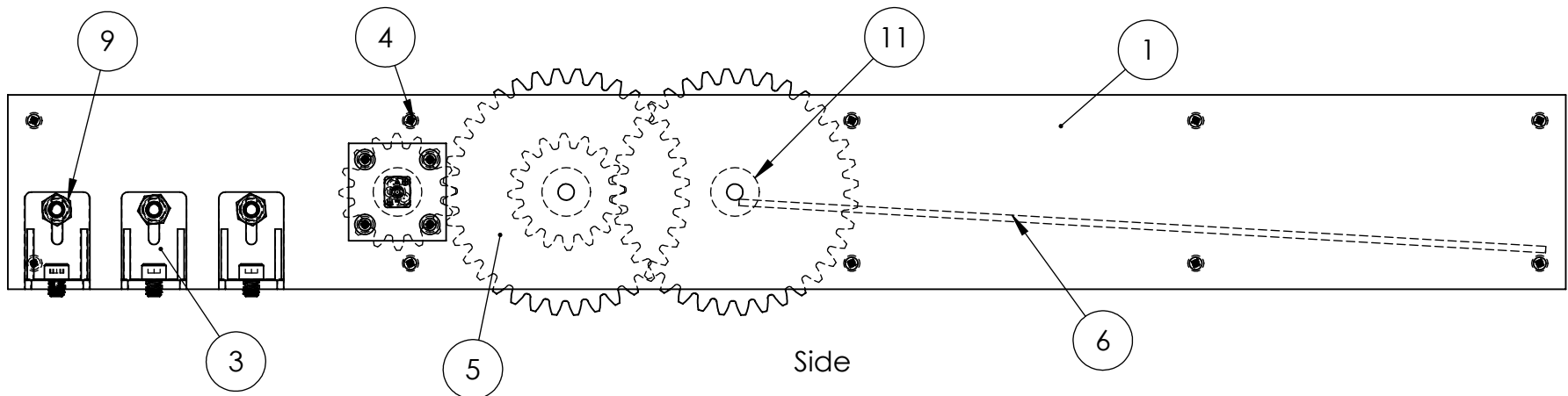


Item #	Drawing #	Description	Purpose	Quantity
1	1	Polypropylene 0.25" x 3" x 24"	Boom	2
2	N/A	Gear motor assembly	Torque transmission	1
3	N/A	Plastic corner bracket	Mounting	6
4	N/A	Aluminum 0.25 (3 @ 0.875, 10 @ 1.125")	Axels and cross beam supports	13
5	2	Acrylic 16 tooth : 36 tooth gear set	Torque multiplication	2
6	N/A	Clear Nylon Line (by foot)	Lifting weight	3
7	N/A	Black Oxide 1/4"-20 3/8" Long Socket	Brackets to base	6
8	N/A	Black Oxide 1/4"-20 2" Long Socket	Boom to brackets	3
9	N/A	Grade 5 Hex Nut 1/4"-20	Fasten 2" bolts	3
10	N/A	Black Oxide 0-80 1/2" Long Socket	Cross beam attachment	24
11	3	Acrylic Spacer Cuttouts	Gear Support	7

Total Components = 70



530.216
MBD LAB

TITLE	UNITS	SCALE	MATERIAL	QTY. REQ.
CRANE DRAWING & BOM	INCHES	2:1	VARIOUS	1
TEAM	TEAM MEMBERS	DATE	DWG. NO.	REV. NO.
BLUEJAY CRANES	ALEX K. MAX M. AADITYA R.	APRIL 20	1	3