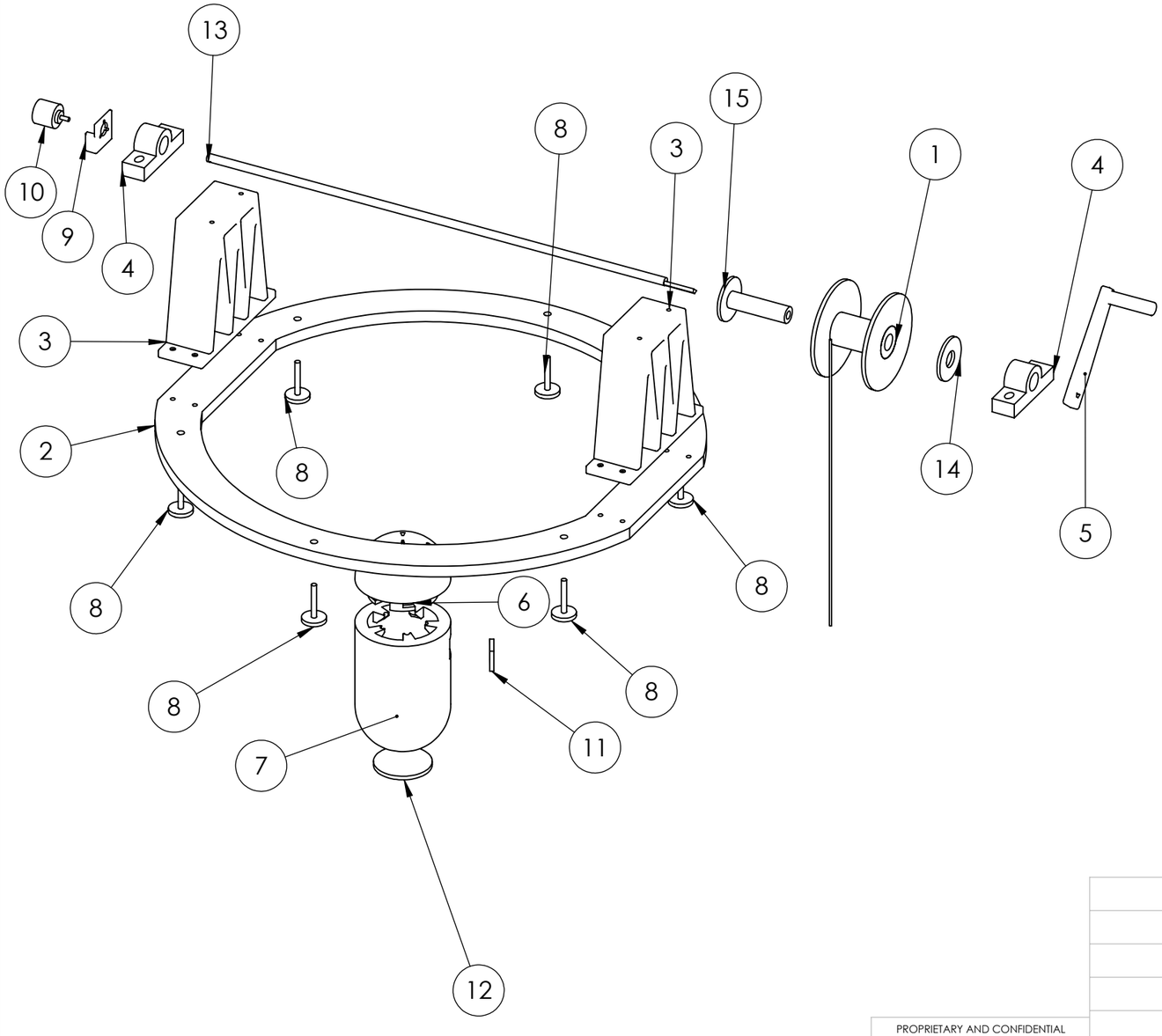

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	spoolCableSubAssembly	Includes purchased spool with 800 ft stainless steel cable	1
2	base	Base machined out of 0.75 in thick plywood	1
3	leg	Leg printed in Polylactic Acid at 45% infill	2
4	bearingSubAssembly	Includes purchased 0.5 in bore bearing with bearing holder	2
5	handle	Handle printed in Polylactic Acid at 30% infill	1
6	payloadTop	Payload top component printed in Thermoplastic Polyurethane at 15% infill	1
7	payloadBottom	Payload bottom component printed in Thermoplastic Polyurethane at 15% infill	1
8	foot	Purchased adjustable swivel foot	6
9	rotaryHolder	Rotary encoder holder printed in Polylactic Acid at 30% infill	1
10	rotaryEncoder	Purchased rotary encoder	1
11	sideWindow	Square window laser cut from 0.25 in thick clear acrylic	1
12	bottomWindow	Circle window laser cut from 0.25 in thick clear acrylic	1
13	axle	Axle machined from 0.5 in diameter steel rod	1
14	spoolEndCap	Spool adapter cap printed in Polylactic Acid at 30% infill	1
15	spoolAdapter	Spool adapter body printed in Polylactic Acid at 30% infill	1

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		UNLESS OTHERWISE SPECIFIED:
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±
		INTERPRET GEOMETRIC TOLERANCING PER:
		MATERIAL
NEXT ASSY	USED ON	FINISH
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	NKo	04/30/25
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		

COMMENTS:

TITLE:

BILL OF MATERIALS-ABYSSEXPLORER

SIZE	DWG. NO.	REV
B	AbyssExplorer	01

SCALE: 1:8 | WEIGHT: | SHEET 1 OF 1

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