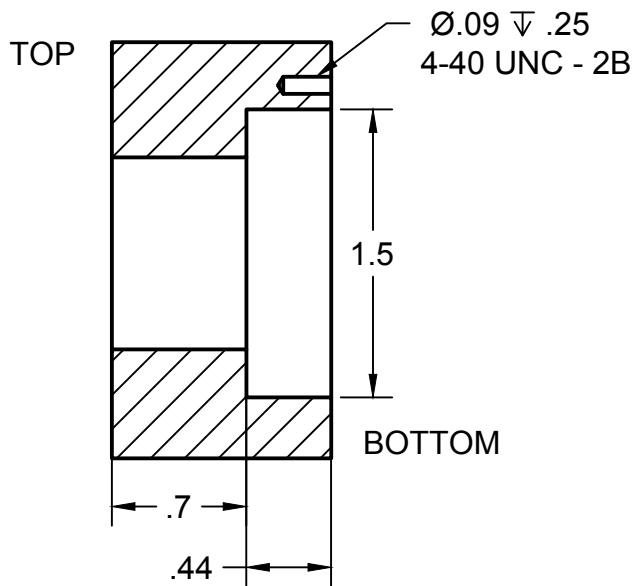
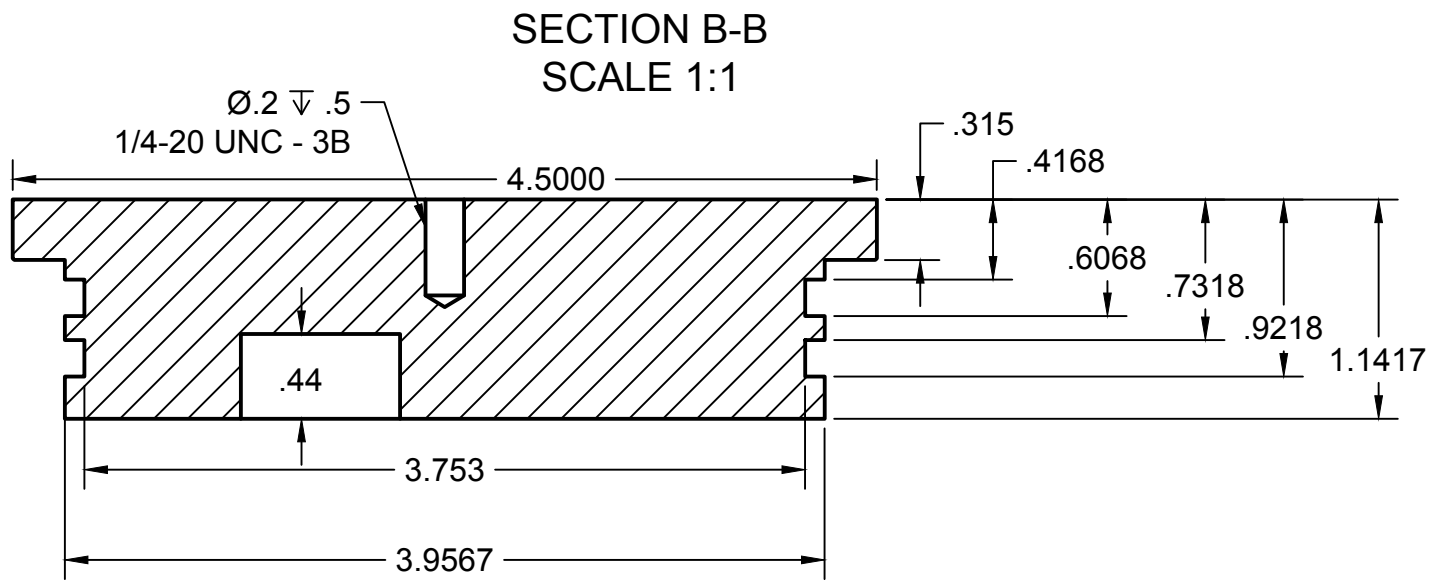


New top cap BR WTE4-M aluminum tubes, uses new metric o-ring design
(from coupler) and through holes for sensors and data port access

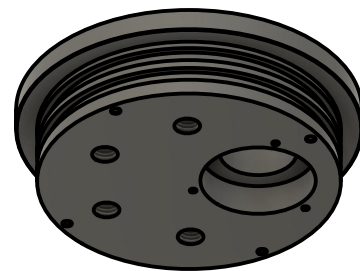
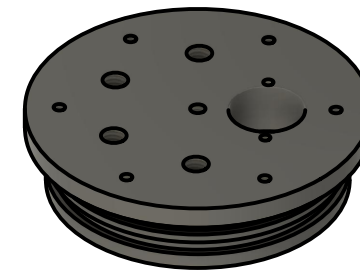
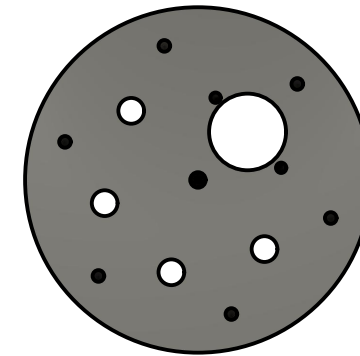
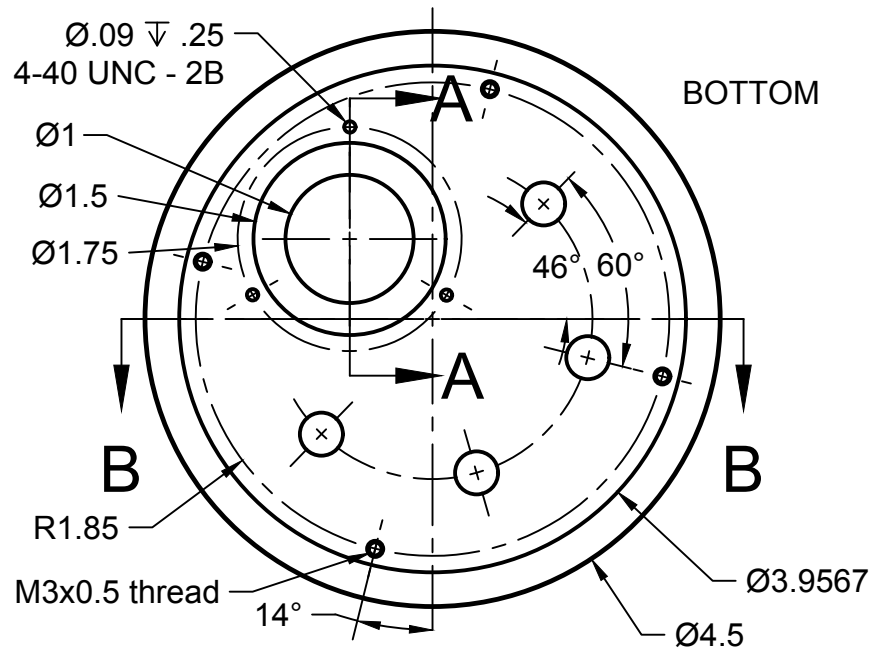
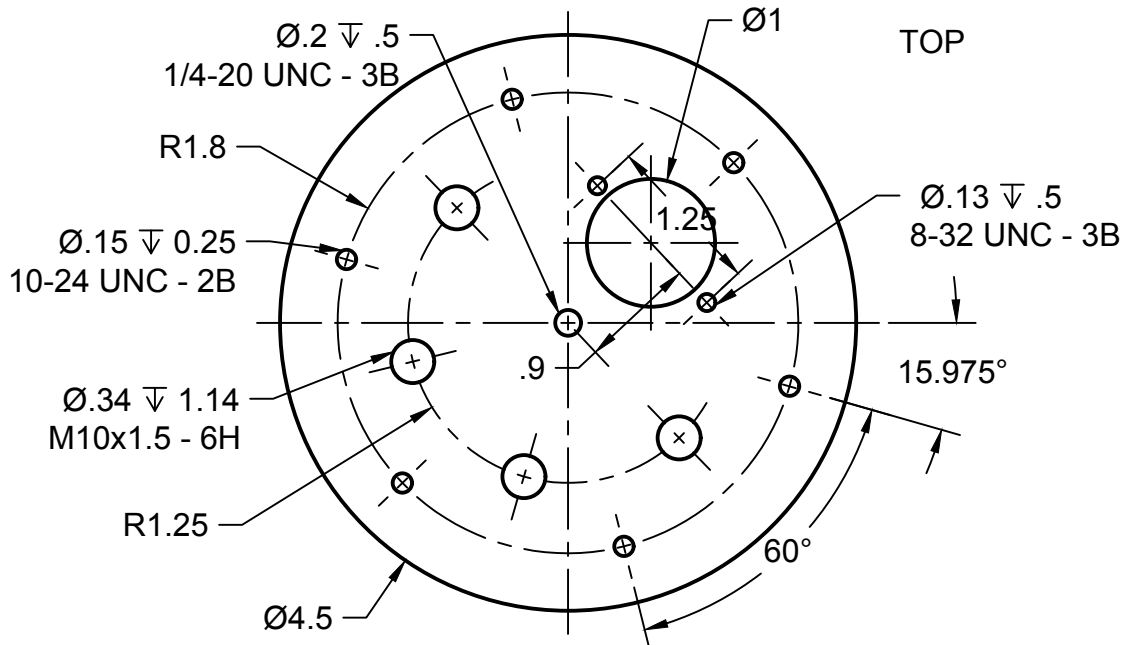
1. part material = aluminum
2. dimensions refer to after hard anodizing
3. dimensions in inches, tolerance +/- 0.003
4. o-rings = Nitril rubber Metric
- 4.1 CS = 3.5mm (0.138")
- 4.2 ID = 95mm, 93mm, 91mm
5. ** 30 deg chamfer on outer lip for insertion
6. drill and tap 4 of M10x1.5 through (from 6 hole pattern)
7. drill and tap 1 of 1/4-20 thread on top center 0.5" depth
8. drill and tap 6 of 10-24 thread on top 0.25" depth
9. drill 1" diameter through
10. top through holes will have face seal o-ring bulkhead sensors
11. drill and tap 2 of 8-32 thread 0.5" depth on top
12. drill and tap 4 of M3x0.5 thread on bottom
13. drill 1.5" diameter 0.44" depth on bottom
14. drill and tap 3 of 4-40 0.25" depth on bottom



SECTION A-A
SCALE 1:1



SECTION B-B
SCALE 1:1



PROJECT		Pelagic Laser Tomographer		
		TITLE		
new top cap with new orings (no sensors)		Metric o-rings		
APPROVED	SIZE	CODE	DWG NO	REV
CHECKED	B			
DRAWN	MALCOLM DALE Stokes 4/14/21	SCALE 1:2	WEIGHT	SHEET 1/1