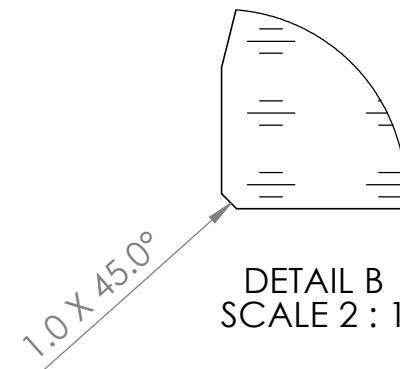
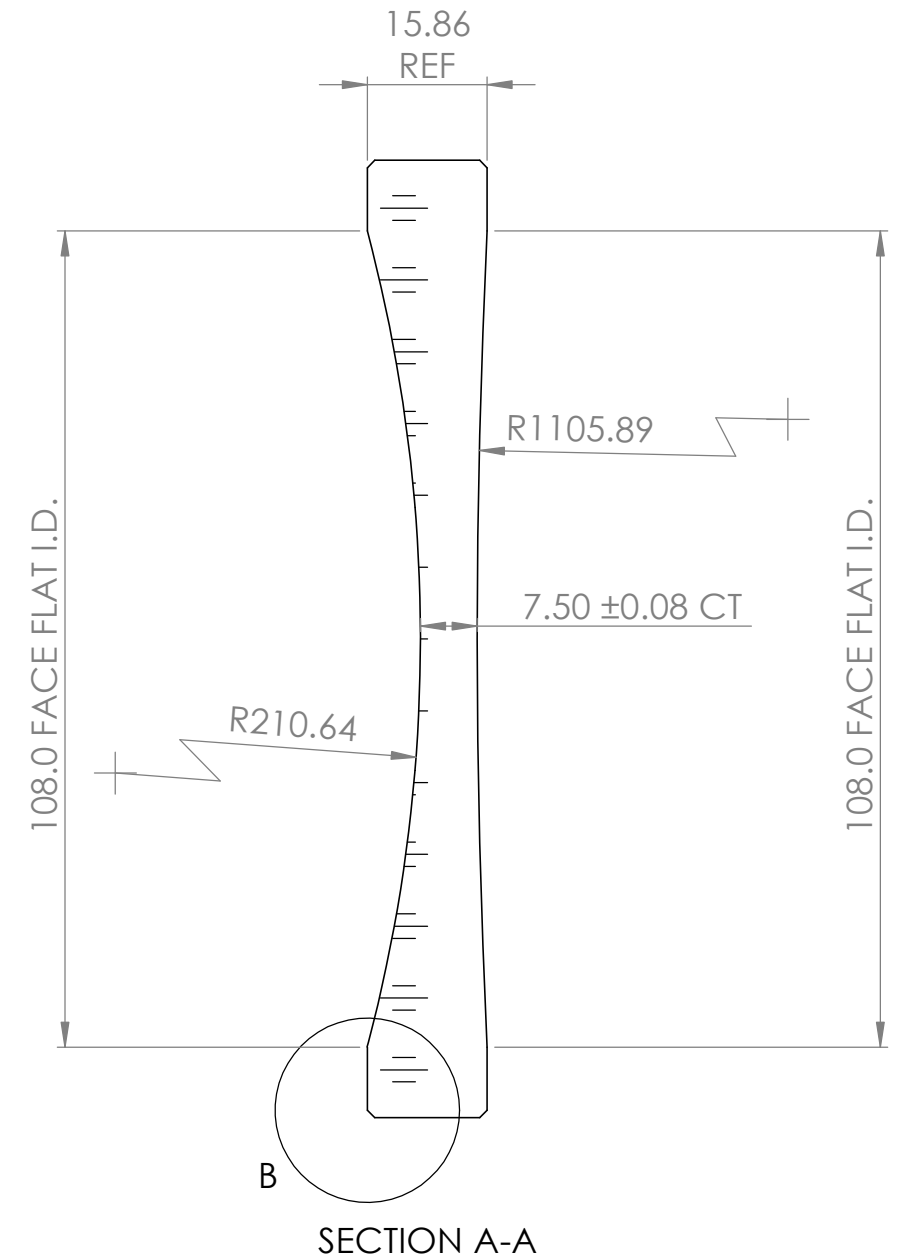
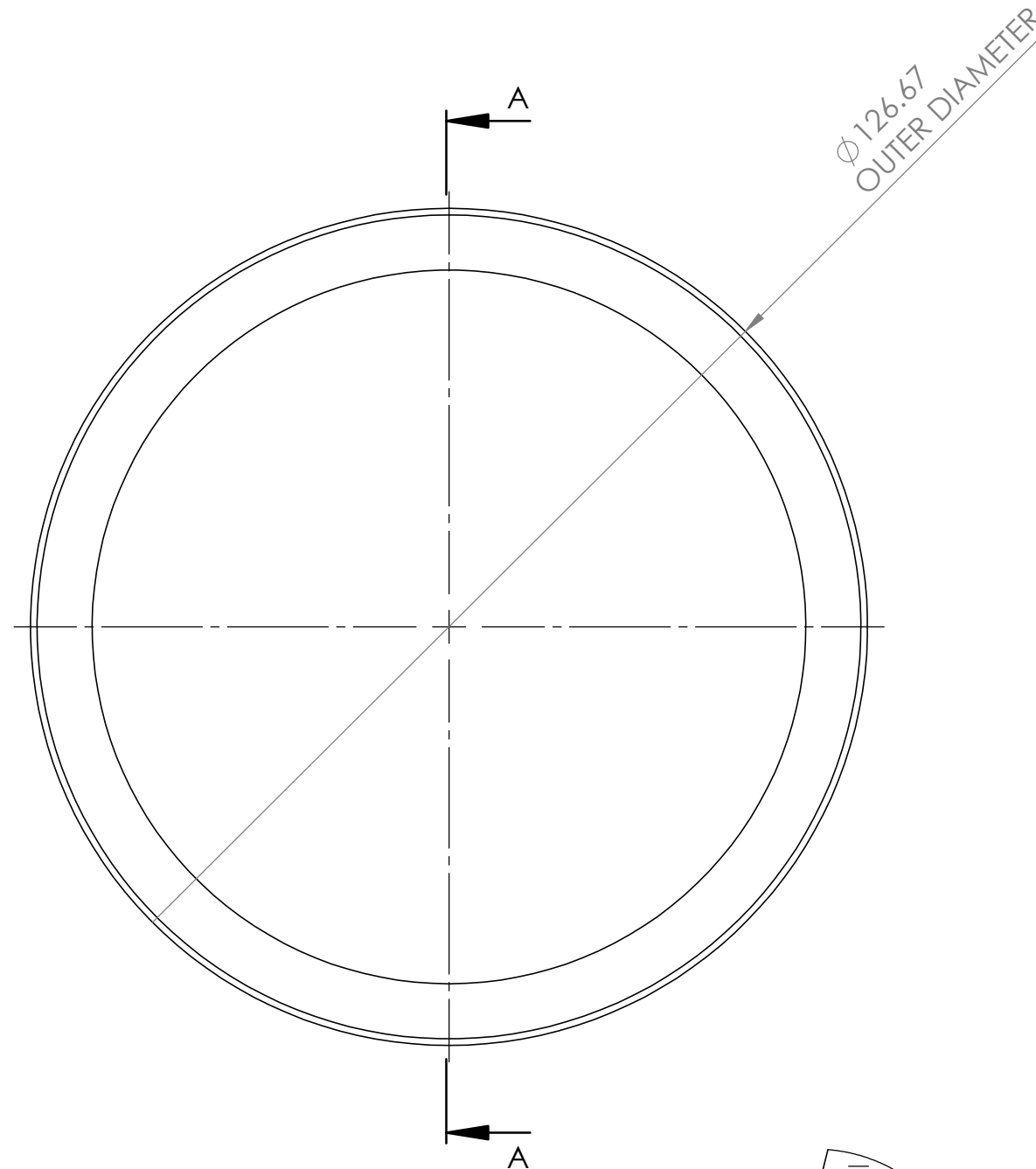


NOTES

1. All dimensions in mm
2. Material to be supplied by vendor: Fused Silica
3. Unless otherwise specified, MIL-PRF-13830 applies.
4. Polish left and right spherical surfaces to surface quality 60-40.
5. Fine grind other surfaces; 400 grit equivalent or finer.
6. Surface shapes spherical within +/- 0.5 fringe (HeNe 633nm) cylinder, annular zones, etc. Document and report final figure.
7. Radii tolerances: To within +/- 0.10% unless otherwise noted.
8. Surface finish: Microripple 1nm RMS or better. Report and document measured values.
9. O.D. and C.T.: +/- 0.10 mm unless otherwise noted. Report to +/- 0.025mm.
10. Center/edge/face flat: +/- 0.013mm maximum runout. Report measured value.
11. Bevels: 1.0mm face width at 45 degrees.
12. Clear aperture ϕ 100mm.

Anti-reflection coating:

13. R210.64 surface contacts air
14. R1105.89 surface in vacuum
15. Angle of incidence range 0-20°
16. Primary wavelength range 500-620 nm
17. Secondary wavelength range 390-500 nm
18. Tertiary wavelength range 620-700 nm
19. Coating optimization should favor primary range most, secondary range second, tertiary range last
20. Approve coating design with customer



SECTION A-A

THE OBSERVATORIES
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MATERIAL	Silica	UNLESS OTHERWISE SPECIFIED X ± 1 .XX ± 0.13 REQD ANGULAR .X ± 0.3 .XX ± 0.05 GOAL ± 0.1 DEG BREAK SHARP EDGES. MACHINED SURFACES 125/√ ALL DIMENSIONS IN MM		
EST WEIGHT	354 g			
SCALE	1:1	Planet Finder Spectrograph	PFS6B lens	
DRWN	CRANE		SHEET	DRAWING
APVD		B	PFS01007	SHT 1 OF 1
				REV 2