4.25 DELMARVA SCHIEFSPEIGLER TELESCOPE

DESIGNED BY:
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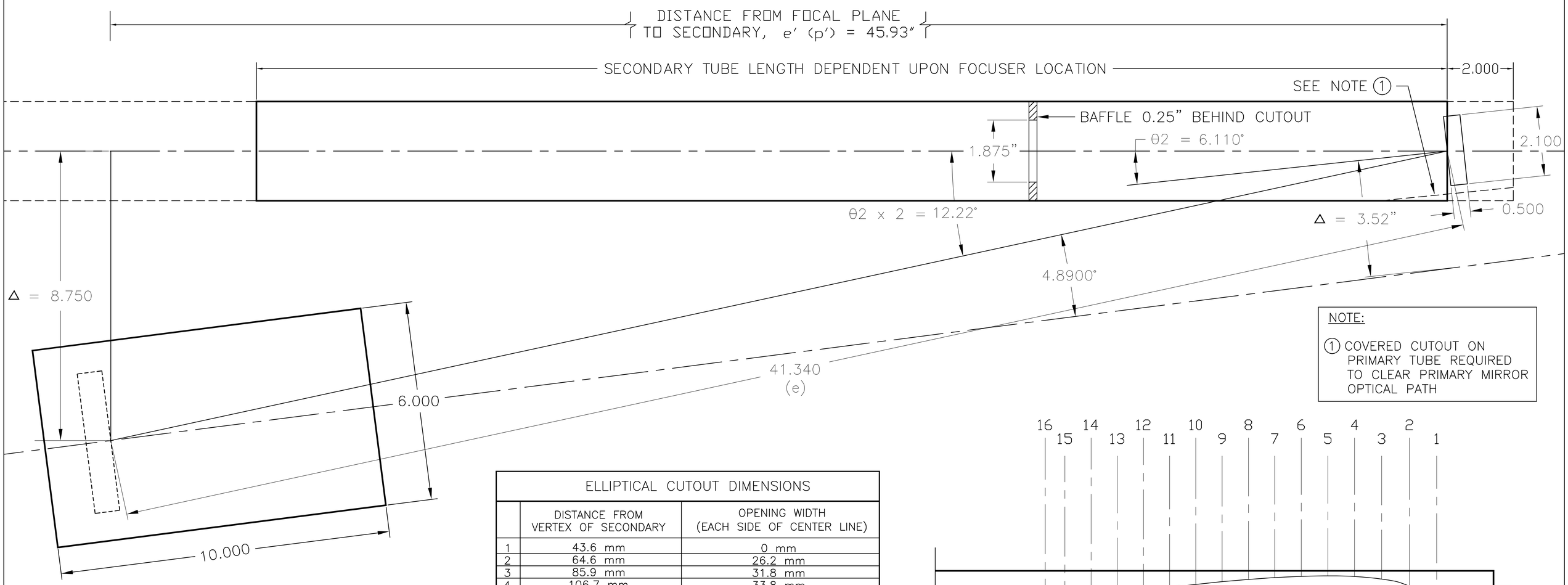
	PRIMARY MIRROR	SECONDARY MIRROR
Diameter:	4.25" (spherical)	2.17" (spherical)
Radius of Curvature:	137.795"	137.795"
Focal Length:	114.83"	114.83"
e	41.34" (separation of primary to secondary)	
e' (p')	45.93" (distance from secondary to focal plane)	
θ1	-2.4471° (tilt of primary)	
θ2	+6.11° (tilt of secondary)	
△'	8.75" (distance from center of primary to Optical axis of sceondary)	
△	3.52" (distance from center of secondary to Optical axis of primary)	

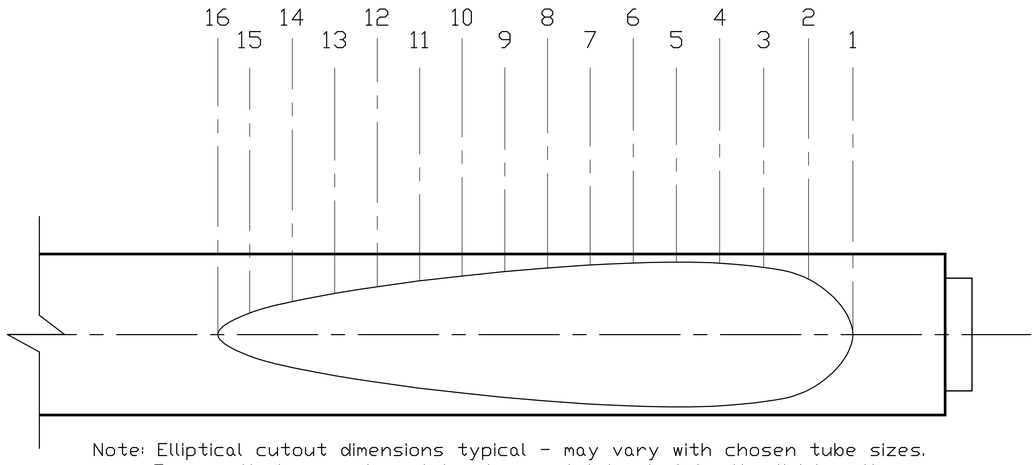
* Symbol match to that in drawing in Oct. '61 Sky and Tel, page 233



NOTE:

① COVERED CUTOUT ON PRIMARY TUBE REQUIRED TO CLEAR PRIMARY MIRROR OPTICAL PATH

ELLIPTICAL CUTOUT DIMENSIONS		
	DISTANCE FROM VERTEX OF SECONDARY	OPENING WIDTH (EACH SIDE OF CENTER LINE)
1	43.6 mm	0 mm
2	64.6 mm	26.2 mm
3	85.9 mm	31.8 mm
4	106.7 mm	33.8 mm
5	127.2 mm	34.3 mm
6	147.6 mm	33.8 mm
7	168 mm	32.9 mm
8	188.2 mm	31.5 mm
9	208.4 mm	29.8 mm
10	228.6 mm	27.7 mm
11	248.7 mm	25.4 mm
12	268.8 mm	22.6 mm
13	288.9 mm	19.5 mm
14	309 mm	15.6 mm
15	329.1 mm	10.2 mm
16	344,2 mm	0 mm



Note: Elliptical cutout dimensions typical - may vary with chosen tube sizes. Ensure that secondary tube does not intrude into the light path.

ELLIPTICAL CUTOUT DETAIL
SCALE 1:1

DRAWN BY: J.P.BURDON