

DESIGN CONCEPT (not as built)
D = 6.096012 m = 20 ft
f/D = 0.400
f = 2.4384 m = 96 in
yc/D = 0.450
Pri surf beam proj 360.36 sq-ft
Pri surface rim proj 383.36 sq-ft
Sec Surf rim proj 48.63 sq-ft

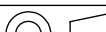
FOCUS INFORMATION
1.36 lambda @ 6.25GHz = 0.048m
1.36 lambda @ 1.00 GHz = 0.408m
0.408 - 0.048 = 0.360m focus stroke

30-00 Optics 610-C4 D Layout

30-00 Geometry 610-C4 D Optics Layout
New drawing using Solidworks relations for
equal ray trace segments above.

FILE NAME: 30-00 geometry 610-C4 optics C
LAST SAVED: Tuesday, December 16, 2014 9:50:23 AM

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NAME		DATE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN: Inches			Minex Engineering Corp. 1000 Apollo Ct. Unit G, Antioch, CA 94509 Tel: 925-757-6785 Fax: 925-757-1083			
DRAWN: S J Fleming		2013-07-29							
CHECKED: M C Fleming		2013-07-29	TOLERANCES:		LINEAR	ANG°			
MATERIAL: Material <not specified> , ρ = 0.000			FRACTIONAL ±		1/32	0.10 0.01	ATA Antenna Optics Layout		
			DECIMAL X.X ±		0.100				
			DECIMAL X.XX ±		0.010				
FINISH:			DECIMAL X.XXX ±		0.003				
			BREAK SHARP EDGES: MACHINED FINISHED: < 125 x u-INCH			B	30-00 Optics 610-C4		D
WEIGHT: 0.000 lbs			SCALE: 1:40			SIZE	DWG NUM	SHEET 1 OF 2	REV