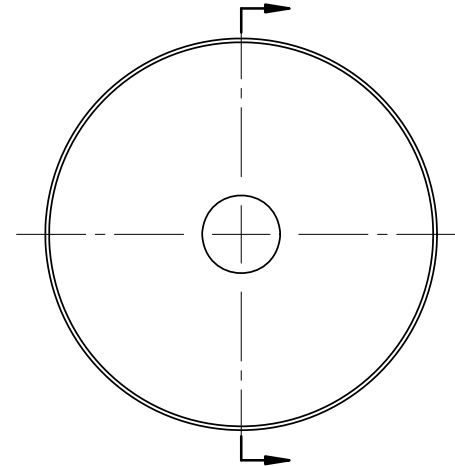
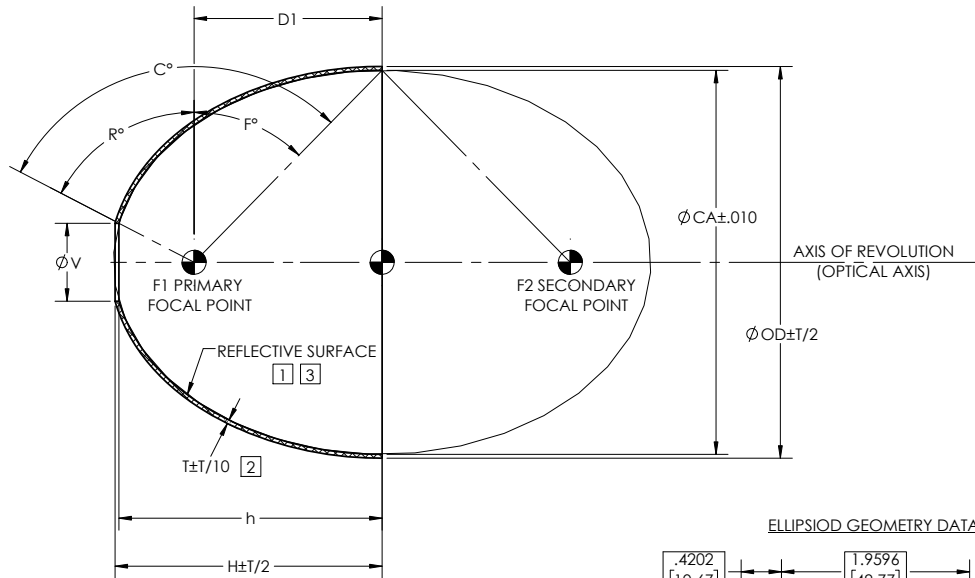


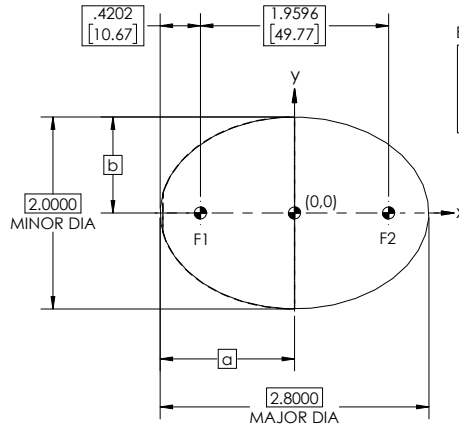
NOTES: UNLESS OTHERWISE SPECIFIED

- 1 ELECTROFORM REFLECTOR FROM MASTER TOOL WITH SPECULAR SURFACE QUALITY OF 80-50 SCRATCH-DIG PER MIL-PRF-13830B.
- 2 NOMINAL THICKNESS (T) MAY VARY ± T/4 WITHIN .25 OF EDGES.
- 3 REFLECTIVE SURFACE COATING TO BE SEPARATELY SPECIFIED.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
Ø	INITIAL DRAWING RELEASE	09/15/10	SJM
A	UPDATED DRAWING FORMAT	07/27/17	JPH
B	ADDED E50-0300	09/26/19	JPH



ELLIPSIOD GEOMETRY DATA



ELLIPSE EQN.

$$\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$$

$a = 1.4000$   
 $b = 1.0000$

DASH NO.	CA	V	OD	T	D1	H	h	R°	F°	C°	F#
E50	2.000	0.406	2.040	0.020	0.980	1.392	1.371	62.57	44.42	106.98	0.70
E50-0100	2.000	0.406	2.040	0.020	0.980	1.392	1.371	62.57	44.42	106.98	0.70
E50-0200	2.000	0.472	2.040	0.020	0.980	1.381	1.360	58.20	44.42	102.62	0.70
E50-0300	2.000	0.500	2.040	0.020	0.980	1.377	1.356	56.36	44.42	100.78	0.70

NOTE: THE "E50" DASH NO. IS THE THEORETICALLY LARGEST REFLECTOR THAT CAN BE FORMED FROM EXISTING MASTER TOOLING.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (mm) GD&T PER ASME Y14.5-2009 DO NOT SCALE DRAWING		CONTRACT NO. 14-E50		42310 WINCHESTER RD. TEMECULA, CA 92590 WWW.OPTIFORMS.COM	
FRACTIONS ± 1/16 DECIMALS ± .02 ANGLES ± 1/2° TOLERANCES .XXX ± .005		DRAWN JIW	DATE 07/27/17		
SURFACE ROUGHNESS ✓ DEBURR SHARP EDGES & HOLES RING .015 MAX. CHAMFER THREADS .01 PAST ROOT DIAMETER		CHECKED RRS	DATE 07/27/17		
MATERIAL ELECTROFORMED NICKEL - LSSN TYPE 1		FRSH		<b>REFLECTOR, ELLIPTICAL</b> <b>1.96"/50mm (F1-F2)</b>	
NEXT ASSY		USED ON		SIZE <b>C</b>	CAGE CODE <b>0Y1Y4</b>
APPLICATION		THIRD ANGLE PROJECTION		SCALE 2:1	DWG. NO. <b>E50</b>
SEE NOTES 1,3		REVISIONS		REV <b>B</b>	SHEET 1 OF 1