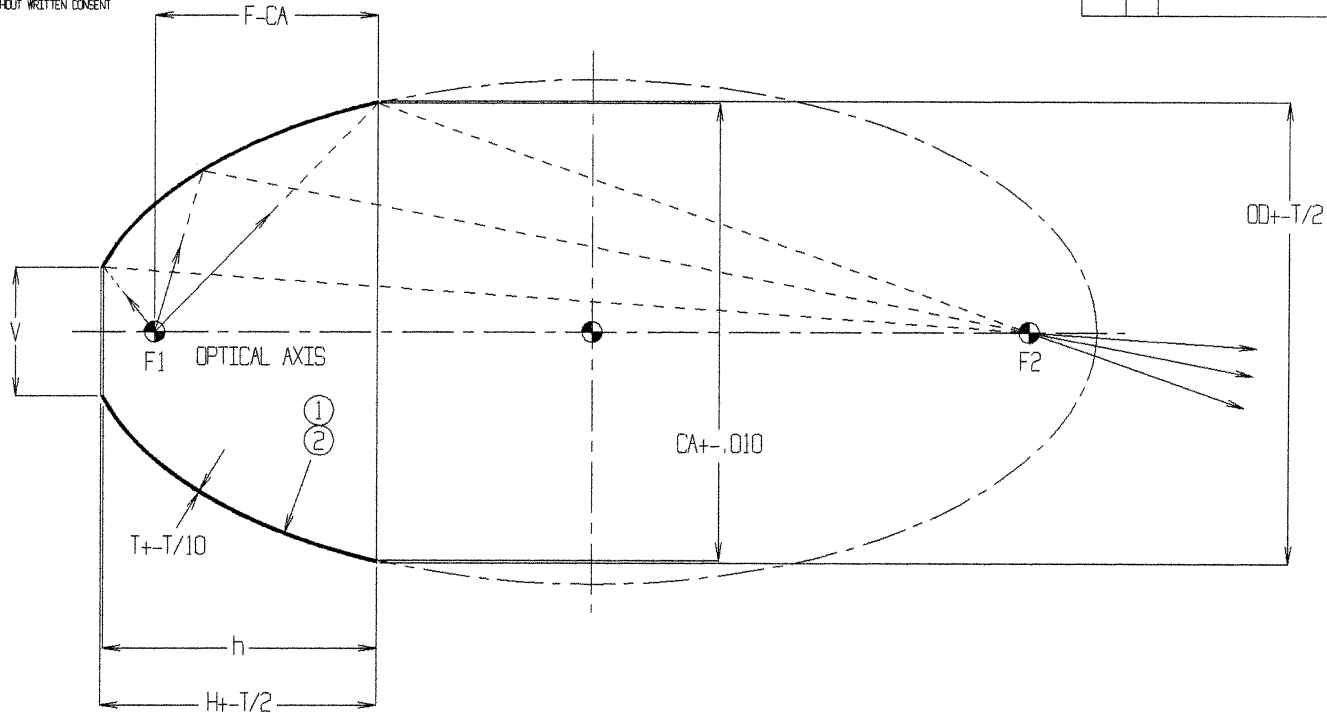


ALL CONCEPTS CONTAINED WITHIN THIS DRAWING ARE PROPRIETARY TO PHOENIX ELECTROFORMED PRODUCTS, INC.
AND MAY NOT BE CONVEYED TO THIRD PARTIES WITHOUT WRITTEN CONSENT

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



.12	3.000	8.000	8.082	4.616	4.566	.040	3.911
.11	1.000	8.000	8.082	5.076	5.035	.040	3.911
.10	1.000	6.000	6.091	2.338	2.297	.040	1.173
.09	1.750	6.000	6.091	2.221	2.178	.040	1.173
.08	2.250	6.000	6.091	2.107	2.062	.040	1.173
.07	2.250	7.325	7.409	3.654	3.609	.040	2.720
.06	1.250	8.000	8.082	5.045	5.003	.040	3.911
.05	1.250	6.000	6.091	2.306	2.265	.040	1.173
.04	2.250	8.000	8.082	4.845	4.800	.040	3.911
.03	1.250	7.325	7.409	3.854	3.812	.040	2.720
.02	2.000	8.000	8.082	4.906	4.862	.040	3.911
.01	1.750	8.000	8.082	4.960	4.917	.040	3.911
#	V	CA	OD	H	h	T	F-CA

① SURFACE FINISH 80-50 SCRATCH-DIG PER MIL-D-13830A

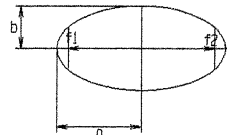
② AVAILABLE REFLECTIVE ENHANCEMENT COATINGS:

AU ELECTRO-DEPOSITED GOLD

AF VACUUM DEPOSITED ALUMINUM / MAGNESIUM FLUORIDE (MgF2) OVERCOAT

AD VACUUM DEPOSITED ALUMINUM / QUARTZ (SiO2) OVERCOAT

RH ELECTRO-DEPOSITED BRIGHT RHODIUM



ELLIPSE EQUATION
 $\frac{X^2}{a^2} + \frac{Y^2}{b^2} = 1$
 $a = 8.8583$
 $b = 4.4193$
 $F = 1.1811$
 $F1-F2 = 15.3544$

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
±.1/16 ±.005 ±.1/16 DEG

MATERIAL
ELECTROFORMED
NICKEL

PHOENIX
ELECTROFORMED PRODUCTS, INC.

FINISH 63 ✓ UNLESS OTHERWISE SPECIFIED	CONTRACT NO.	
	APPROVALS	DATE
DO NOT SCALE DRAWING	DRAWN LB	5-20-09
	ENGR	
DESIGN ACTIVITY		

TITLE ELLIPTICAL REFLECTOR			
EL4			
SIZE	CAGE CODE	DWG NO	REV
		EL4	
SCALE			SHEET