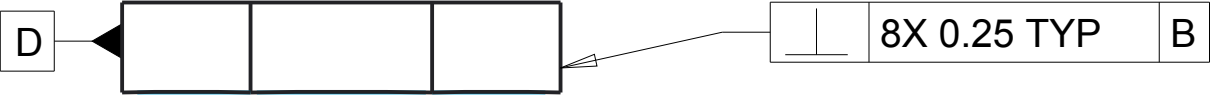


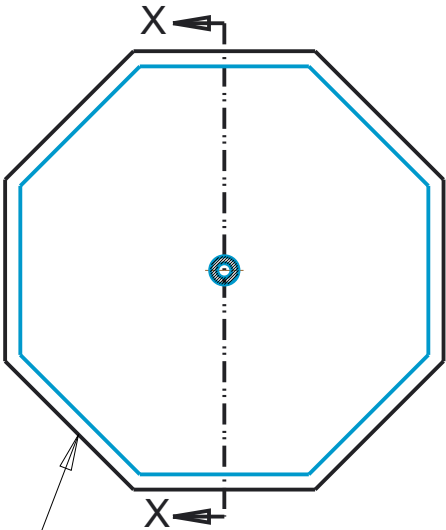
- FORM FACTOR NOTES:
- 1. MATERIAL: CORNING ULE MIRROR GRADE.
 - 2. ALL DIMENSIONS IN MM.
 - 3. ALL EDGES CHAMFERED 0.5 MM X 45°.
 - 4. FORM FACTOR IS REGULAR OCTAGON

FINISH:SEE NOTES

QUANTITY: TBD



30±0.15
(CENTER
THICKNESS)



4X 154.66 +0.0
-0.1

7X 0.5 TYP C

SECTION X-X

ETCHED SERIAL #
NOT TO EXCEED
THIS AREA

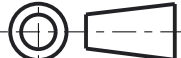
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
TOLERANCES:
ANGULAR: MACH:±0.5° BEND:±0.5°
ONE PLACE DECIMAL: ±0.1
TWO PLACE DECIMAL: ±0.05

DESC:
ESIS primary mirror, flight grade.

TITLE:
PRIMARY_FLIGHT

MATL:SEE NOTE 1

SIZE:
A



DWG. NO:1 OF1

REV:
F

MDL.BY:COURRIER

SCALE:0.375

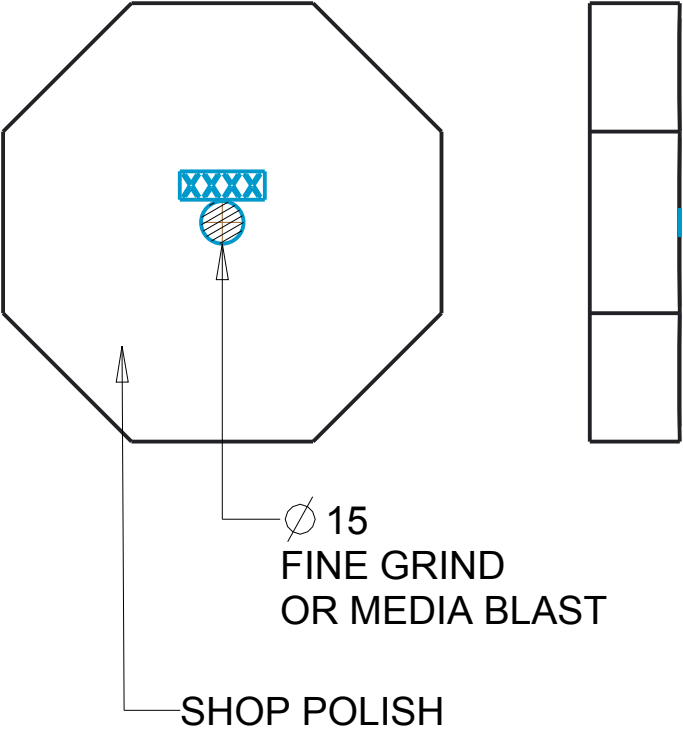
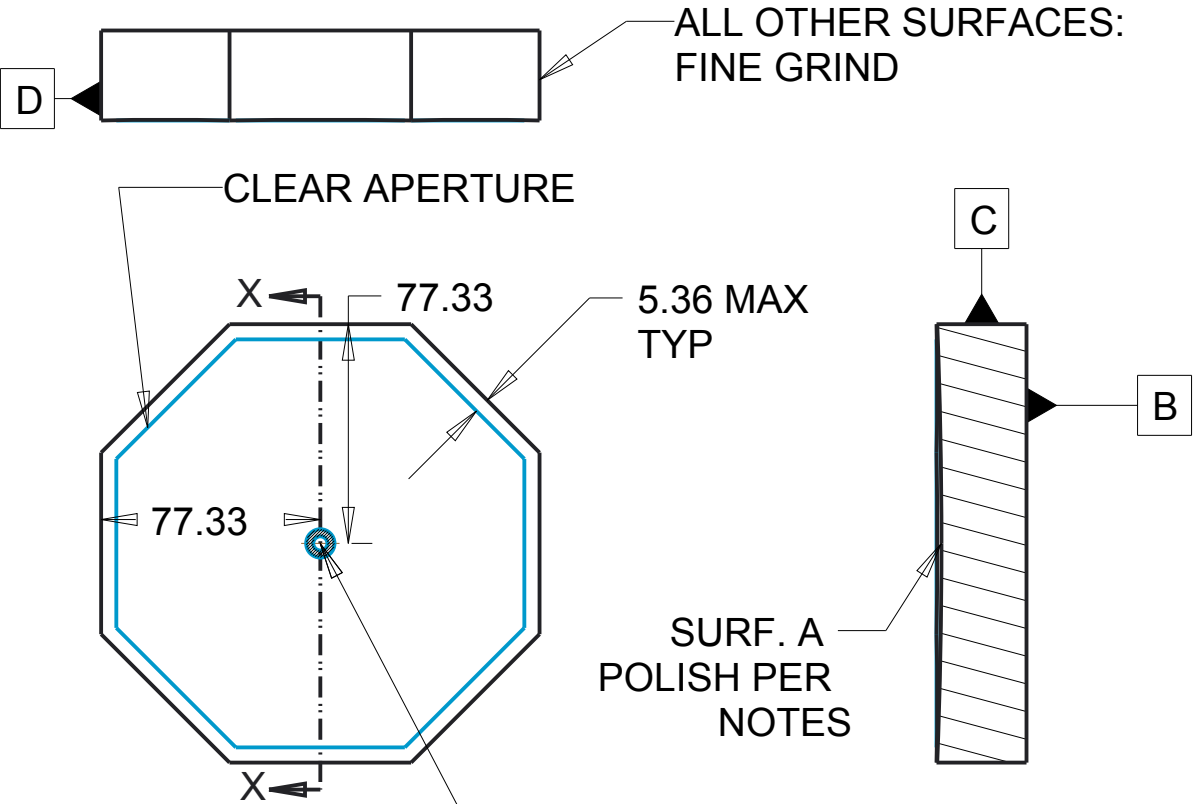
DATE:Sept-26-16

SHEET:1 OF2

- SURFACE FINISH NOTES:
- 1. MATERIAL: CORNING ULE MIRROR GRADE.
 - 2. RMS slope error <1urad
integration length = 4.0 mm
spatial sampling resolution =2.0 mm
 - 3. RMS ripple <2.5 nm
spatial periods 0.06-6.0 mm
 - 4. RMS surface roughness <1 nm
spatial periods 1.6-70um
 - 5. R1/R2 WEDGE LESS THAN 0.1 MM TIR.
 - 6. Mark location of paraboloid apex with
etched annulus, OD =10 mm, ID =5 mm.

FINISH:SEE NOTES

QUANTITY: TBD



SURF.	TYPE	RADIUS	RAD.TOL
A	PARABOLIC K=-1	-2000	±4
B	PLANO	INF	NA

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
TOLERANCES:
ANGULAR: MACH:±0.5° BEND:±0.5°
ONE PLACE DECIMAL: ±0.1
TWO PLACE DECIMAL: ±0.05

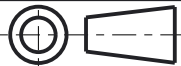
DESC:
ESIS primary mirror, flight grade.

TITLE:
PRIMARY_FLIGHT

MATL:SEE NOTE 1

MDL.BY:COURRIER

SIZE:
A



DWG. NO:1 OF1

REV:
F

SCALE:0.375

DATE:Sept-26-16

SHEET:2 OF2