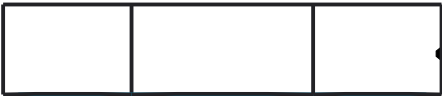


- SURFACE FINISH NOTES:
- 1. MATERIAL: CORNING ULE MIRROR GRADE.
  - 2. RMS slope error <1  $\mu$ rad  
integration length = 4.0 mm  
spatial sampling resolution =2.0 mm
  - 3. RMS ripple <2.5 nm  
spatial periods 0.06-6.0 mm
  - 4. RMS surface roughness <1 nm  
spatial periods 1.6-70  $\mu$ m
  - 5. R1/R2 WEDGE LESS THAN 0.1 MM TIR.

FINISH:SEE NOTES

QUANTITY: TBD



ALL OTHER SURFACES:  
FINE GRIND

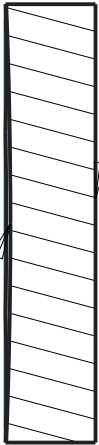
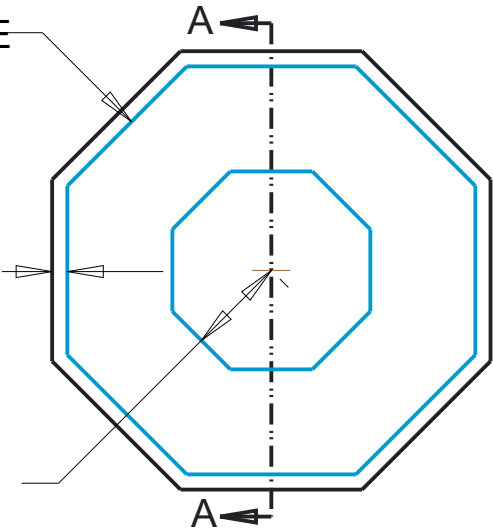
SURF. 2  
SHOP POLISH

SURF. 1  
POLISH PER  
NOTES

CLEAR APERTURE

5.36 MAX TYP

34.92 MAX TYP



SECTION A-A

SURF.	TYPE	RADIUS	RAD.TOL	CA.WIDTH
1	PARABOLIC K=-1	-2000	$\pm 4$	143.94
2	PLANO	NA	NA	NA

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
TOLERANCES:  
ANGULAR: MACH: $\pm 0.5^\circ$  BEND: $\pm 0.5^\circ$   
ONE PLACE DECIMAL:  $\pm 0.1$   
TWO PLACE DECIMAL:  $\pm 0.05$

MATL:SEE NOTE 1

MDL.BY:COURRIER

DESC:  
ESIS primary mirror, flight grade.

TITLE:  
PRIMARY\_FLIGHT

SIZE:  
A

DWG. NO:1 OF1

REV:  
C

SCALE:0.375

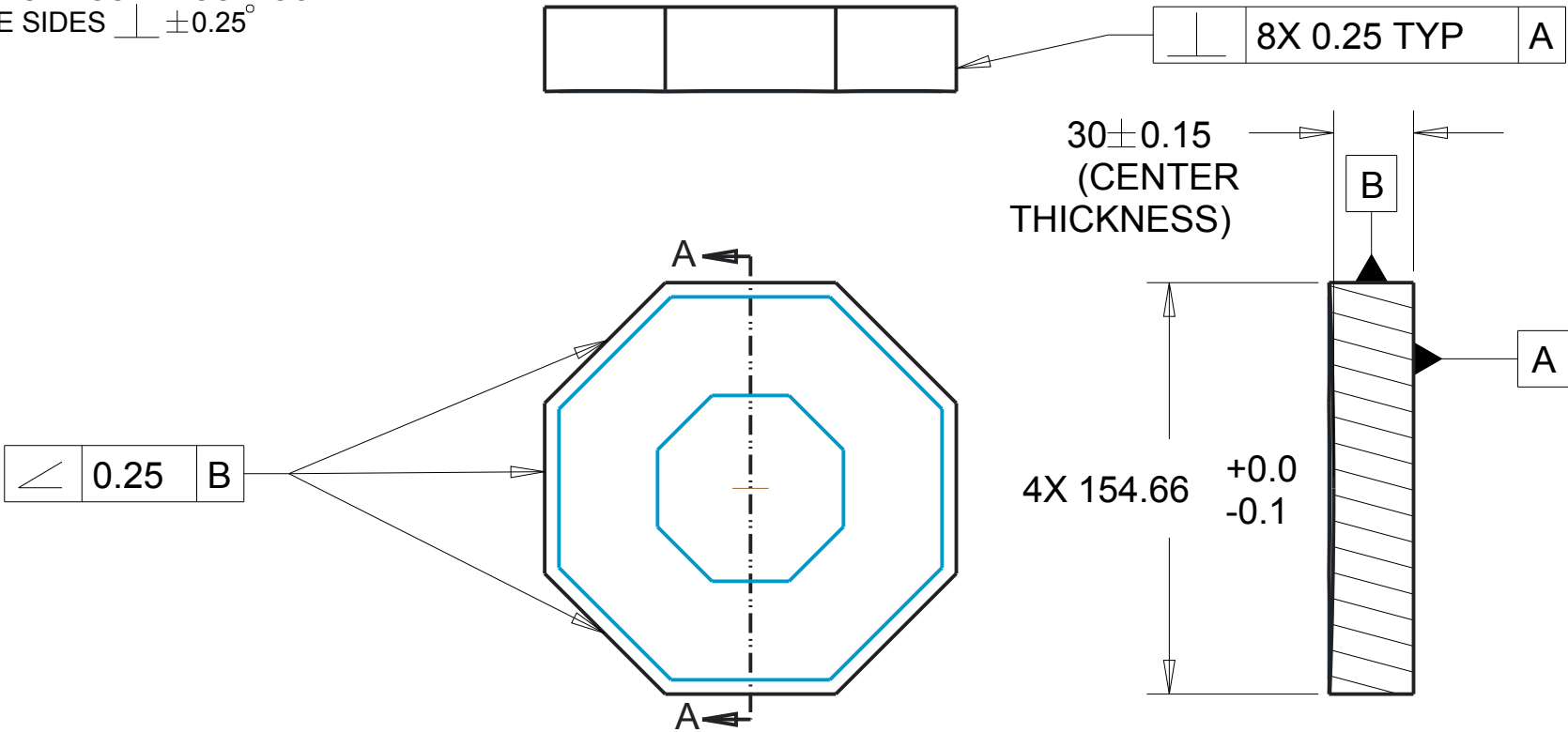
DATE:Sept-19-16

SHEET:1 OF2

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 WITH OPPOSITE SIDES  $\perp \pm 0.25^\circ$

FINISH:SEE NOTES

QUANTITY: TBD



SECTION A-A

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN MILLIMETERS  
TOLERANCES:  
ANGULAR: MACH:  $\pm 0.5^\circ$  BEND:  $\pm 0.5^\circ$   
ONE PLACE DECIMAL:  $\pm 0.1$   
TWO PLACE DECIMAL:  $\pm 0.05$

DESC:  
ESIS primary mirror, flight grade.

TITLE:  
PRIMARY\_FLIGHT

MATL:SEE NOTE 1

SIZE:  
A

DWG. NO:1 OF1

REV:  
C

MDL.BY:COURRIER

SCALE:0.375

DATE:Sept-19-16

SHEET:2 OF2