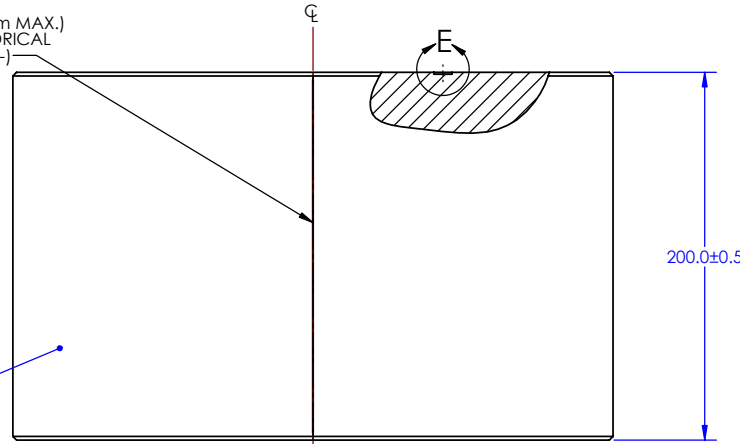
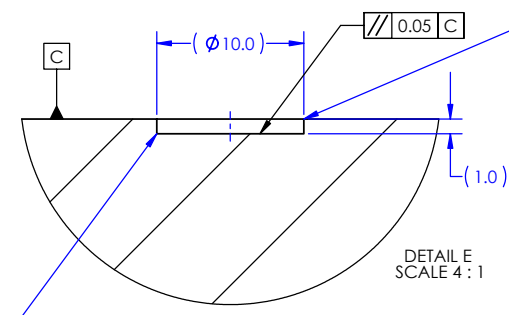


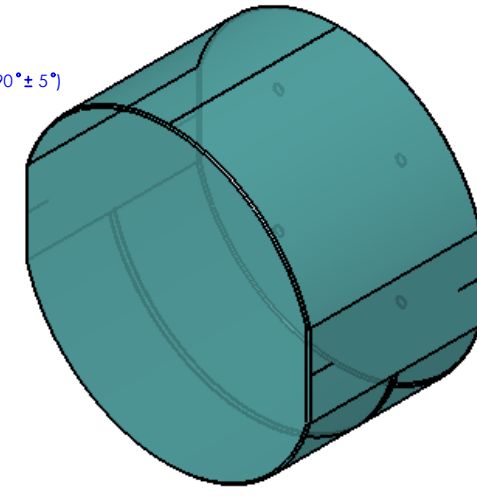
ETCH, GRIND OR SANDBLAST
LEGIBLE REFERENCE GROOVE
(GROOVE WIDTH 0.25mm MIN, 0.5mm MAX.)
ALONG ϕ , PARALLEL TO THE CYLINDRICAL
AXIS (DEFINED BY DATUM FEATURE -A-)



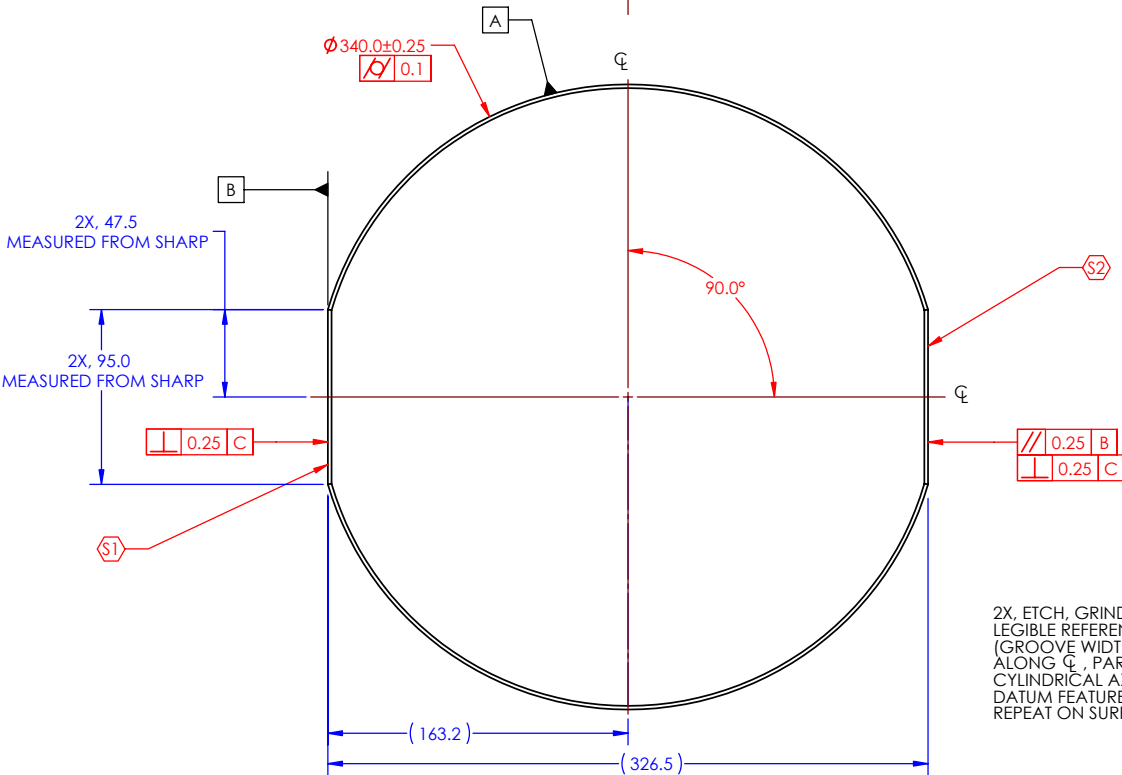
INSPECTION POLISH
(SEE NOTE 2)



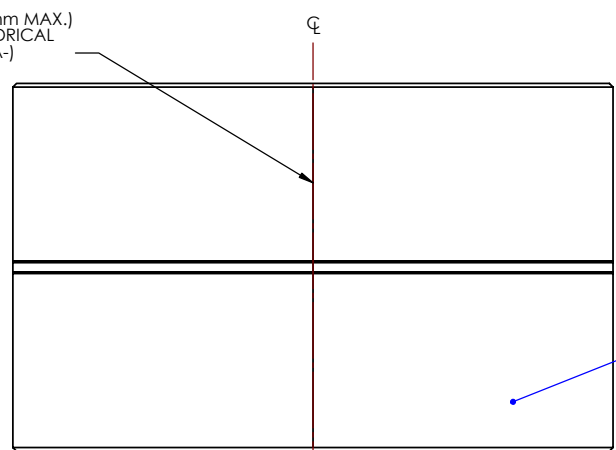
SMALL CHAMFER ACCEPTABLE
TO REDUCE EDGE CHIPPING.
(FOR EXAMPLE, $\sphericalangle \phi 10.5 \text{ MAX.} \times 90^\circ \pm 5^\circ$)



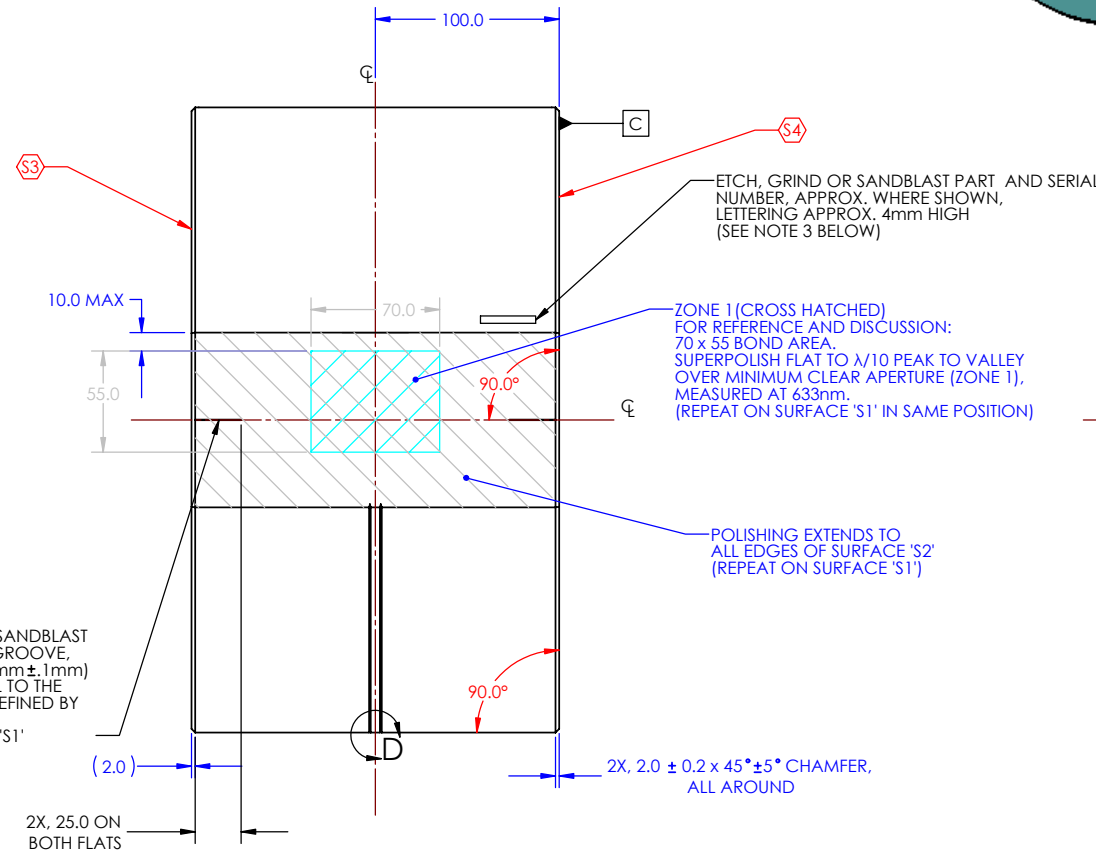
REV	DATE	DCN #	DRAWING TREE #
00	11/05		
01	11/05		
02	05/06		
03	06/06		
04	07/06		
05	08/06		



ETCH, GRIND OR SANDBLAST
LEGIBLE REFERENCE GROOVE
(GROOVE WIDTH: 0.25mm MIN, 0.5mm MAX.)
ALONG ϕ , PARALLEL TO THE CYLINDRICAL
AXIS (DEFINED BY DATUM FEATURE -A-)



INSPECTION POLISH
(SEE NOTE 2)



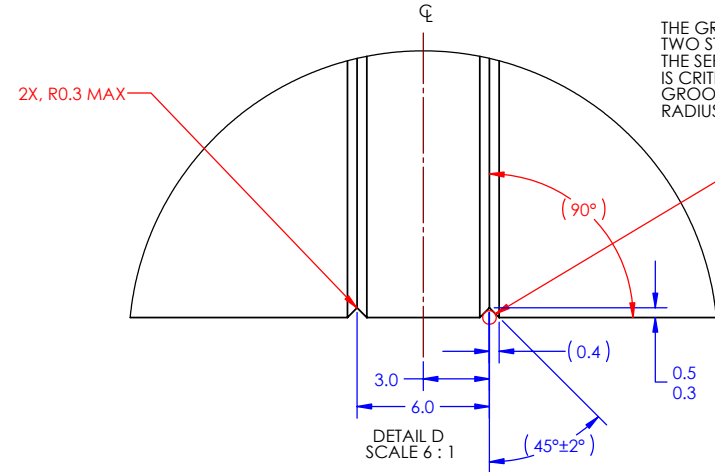
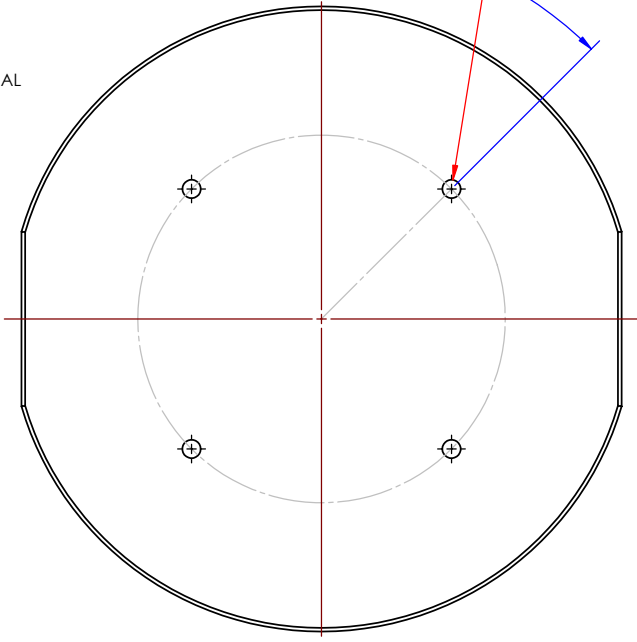
ETCH, GRIND OR SANDBLAST PART AND SERIAL
NUMBER, APPROX. WHERE SHOWN,
LETTERING APPROX. 4mm HIGH
(SEE NOTE 3 BELOW)

ZONE 1 (CROSS HATCHED)
FOR REFERENCE AND DISCUSSION:
70 x 55 BOND AREA.
SUPERPOLISH FLAT TO $\lambda/10$ PEAK TO VALLEY
OVER MINIMUM CLEAR APERTURE (ZONE 1),
MEASURED AT 633nm.
(REPEAT ON SURFACE 'S1' IN SAME POSITION)

POLISHING EXTENDS TO
ALL EDGES OF SURFACE 'S2'
(REPEAT ON SURFACE 'S1')

2X, ETCH, GRIND OR SANDBLAST
LEGIBLE REFERENCE GROOVE,
(GROOVE WIDTH: .25mm ± .1mm)
ALONG ϕ , PARALLEL TO THE
CYLINDRICAL AXIS (DEFINED BY
DATUM FEATURE -A-).
REPEAT ON SURFACE 'S1'

4X, $\phi 10.0 \nabla 1.0$
EQUALLY SPACED ON A 200PCD.
EDGE CHIPPING TO BE MINIMISED.
(SEE ALSO DETAIL 'E' ABOVE)



THE GROOVES SHOWN IN DETAIL 'D' ARE REQUIRED TO LOCATE
TWO STEEL WIRE LOOPS, $\phi 0.62\text{mm}$.
THE SEPARATION OF THE GROOVES FROM THE ϕ , AND EACH OTHER
IS CRITICAL.
GROOVES SHOULD BE APPROXIMATELY "V-SHAPED" WITH A MAX.
RADIUS OF 0.3mm AT THE BASE OF EACH GROOVE.

FOR PHYSICS REFERENCE ONLY:
 $\phi 0.62$ (DIAMETER OF PENULTIMATE
WIRES - AS TAKEN FROM T010103-05)

PARTS LIST			
NOTES: (UNLESS OTHERWISE SPECIFIED)			
1. DO NOT SCALE FROM DRAWING.	DIMENSIONS ARE IN MILLIMETERS		
2. INSPECTION POLISH ALL FACES, EDGES AND CHAMFERS. THIS INCLUDES BOTH CURVED AND FLAT SURFACES. ALL SURFACES SHALL APPEAR TRANSPARENT.	TOLERANCES: ± 0.1 ± 0.05 ± 0.1		
3. ETCH, GRIND OR SANDBLAST PART AND SERIAL NUMBER, APPROX. WHERE SHOWN, USE LETTERING APPROX. 4mm HIGH	MATERIAL: LITHOSIL QT		
4. MATERIAL TO BE SUPPLIED WITH CERTIFICATE OF CONFORMITY	SERIAL NUMBERS START AT '001' FOR THE FIRST PART, AND PROCEED CONSECUTIVELY (EXAMPLE: D050421-001)		
5. $\lambda = 633\text{nm}$ FOR SURFACE MEASUREMENTS			
DRAWN: D		DATE: 05	
CHECKED: C-CANTLEY		DWG. NO.: D050421	
APPROVED:		SCALE: 1:2	
		PROJECTION: 1st	
		SHEET 1 OF 1	