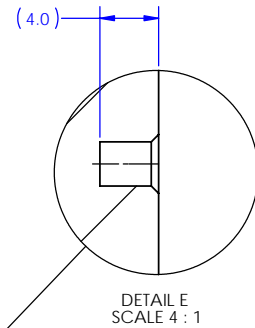
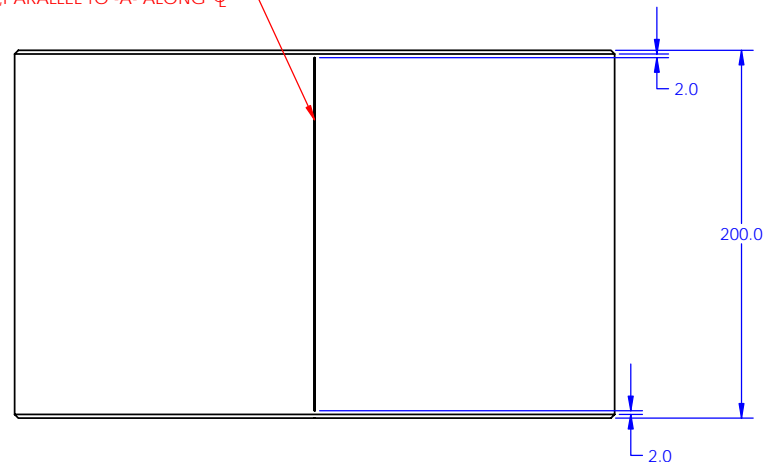


REV	DATE	DCN #	DRAWING TREE #
00	11/05	LIMITED RELEASE FOR INITIAL FEEDBACK (CAC)	
01	11/05	-CHANGES FOLLOWING FEEDBACK FROM JHR & IW	

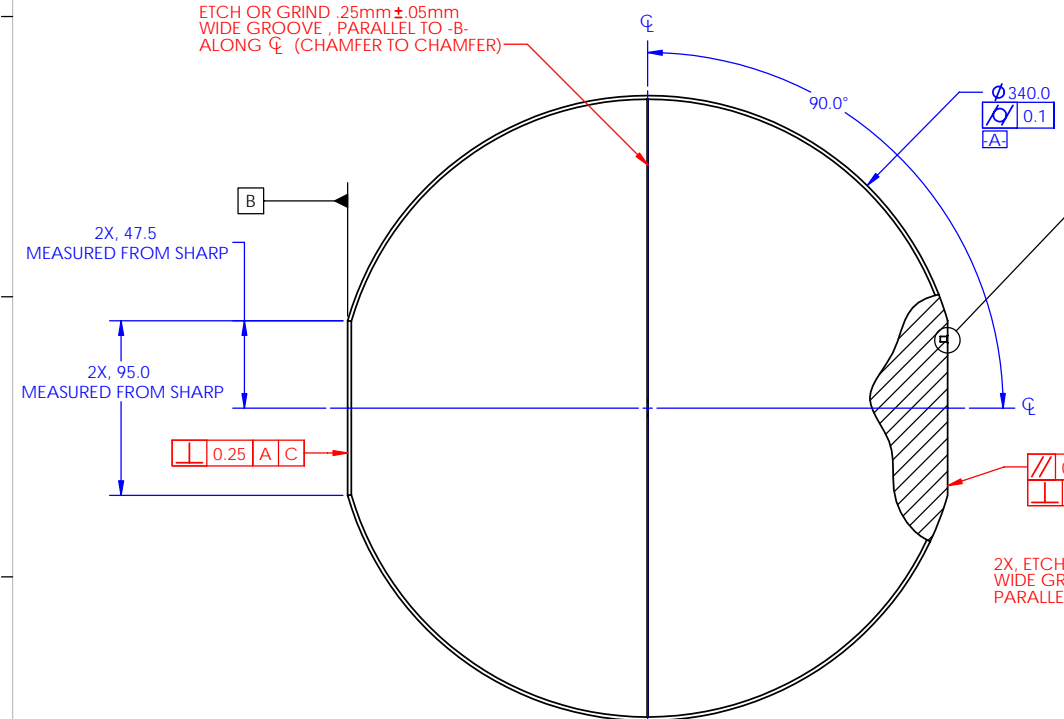
ETCH OR GRIND .25mm ± .05mm WIDE GROOVE, PARALLEL TO -A- ALONG ϕ



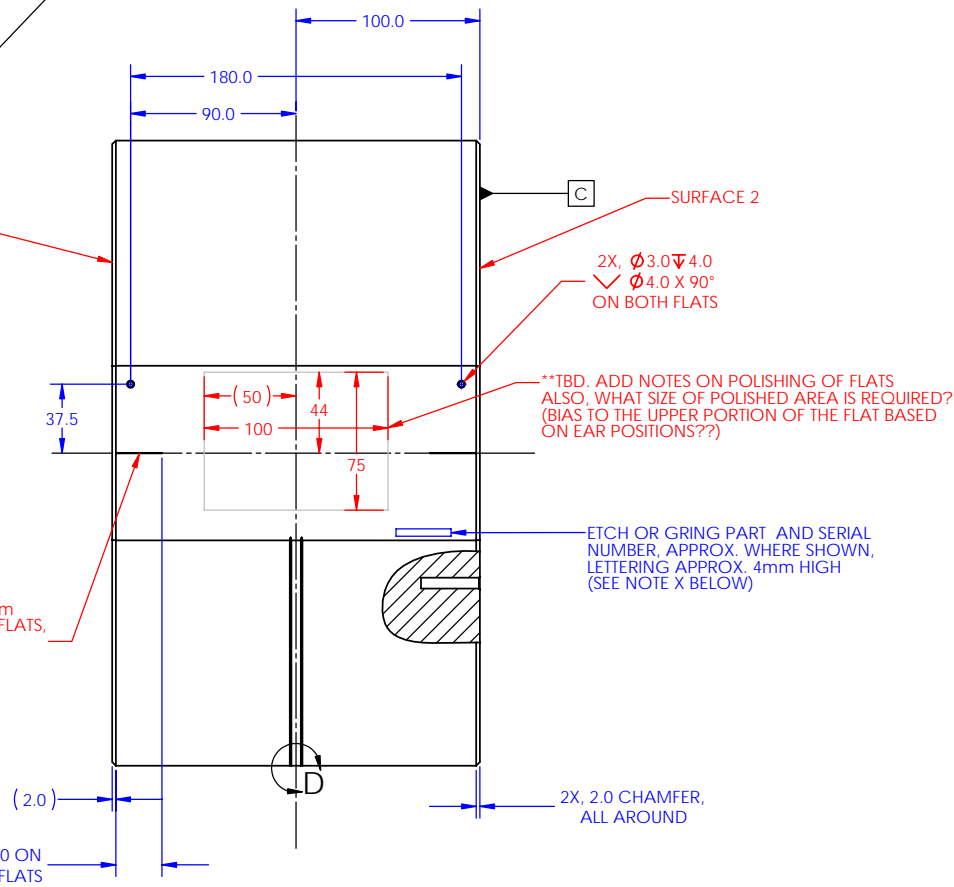
*NOTES FOR PHYSICS REF. ONLY:
DETAIL 'E' SHOWS A POSSIBLE FEATURE TO ASSIST IN THE PRECISION POSITIONING OF ANY TEMPLATE USED DURING THE EAR BONDING PROCESS.



ETCH OR GRIND .25mm ± .05mm WIDE GROOVE, PARALLEL TO -B- ALONG ϕ (CHAMFER TO CHAMFER)



SURFACE 1

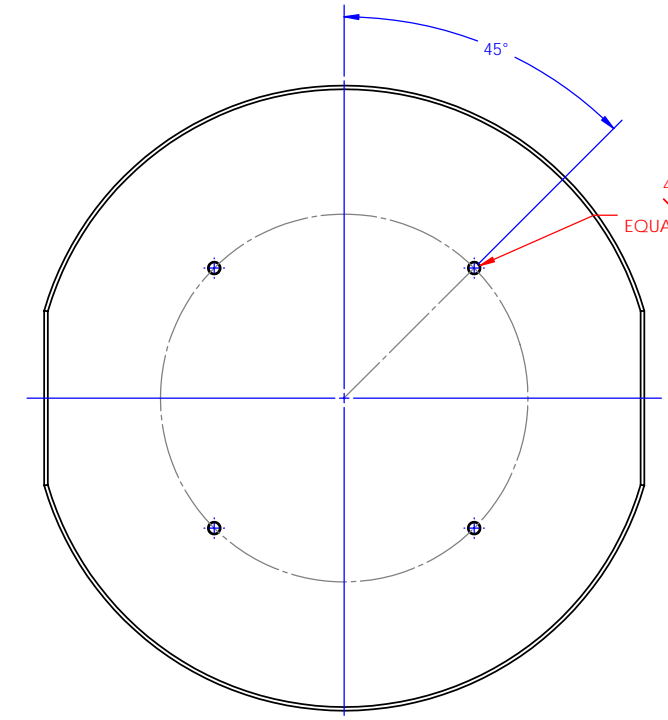


SURFACE 2

2X, ϕ 3.0 ∇ 4.0
 ∇ 4.0 X 90°
ON BOTH FLATS

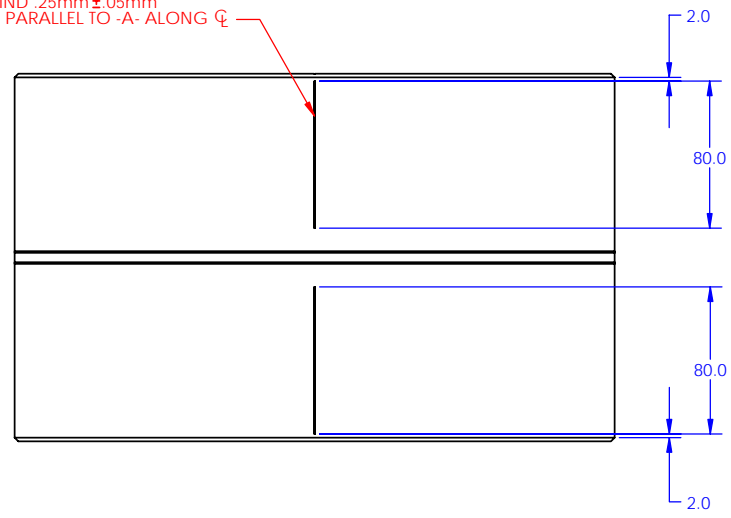
**TBD. ADD NOTES ON POLISHING OF FLATS ALSO. WHAT SIZE OF POLISHED AREA IS REQUIRED? (BIAS TO THE UPPER PORTION OF THE FLAT BASED ON EAR POSITIONS??)

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

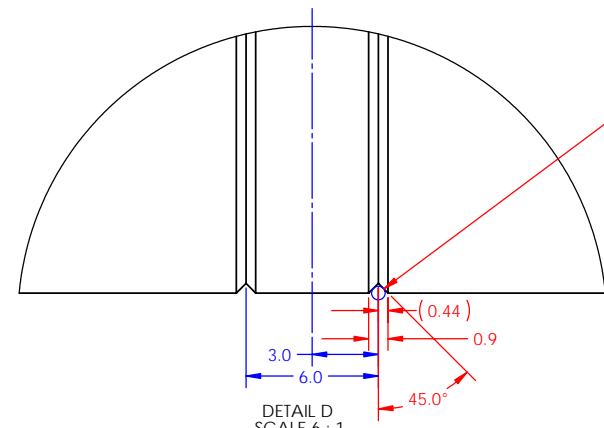


4X, ϕ 6.0 ∇ 32.0
 ∇ 7.0 X 90°
EQUALLY SPACED ON A 200 PCD

2X, ETCH OR GRIND .25mm ± .05mm WIDE GROOVE, PARALLEL TO -A- ALONG ϕ



2X, 25.0 ON BOTH FLATS



FOR PHYSICS REFERENCE ONLY:
 ϕ 0.62 (DIAMETER OF PENULTIMATE WIRES - AS TAKEN FROM T010103)

DETAIL D SCALE 6:1

NOTES: (UNLESS OTHERWISE SPECIFIED)		PARTS LIST	
1. DO NOT SCALE FROM DRAWING.		DIMENSIONS ARE IN MILLIMETERS	
TOLERANCES:		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY IGR, GLASGOW UNIVERSITY GEO 400 GROUP	
± .013		SYSTEM: ADVANCED LIGO	
± .015		SUB-SYSTEM: SUS	
ANGLES: 0.1°		NEXT ASSY: N-Ptrype ETM QUAD	
MATERIAL: HOO 310		PART NAME: PENULTIMATE MASS	
FINISH: SEE NOTES		SCALE: 1:2	
DRAWN: D	DATE: 11/05	SCALE: 1:2	PROJECTION: 1
CHECKED: C-CAMLEY	DATE: 11/05	SHEET NO.: D050421	
APPROVED:		REV: 01	
		SHEET 1 OF 1	