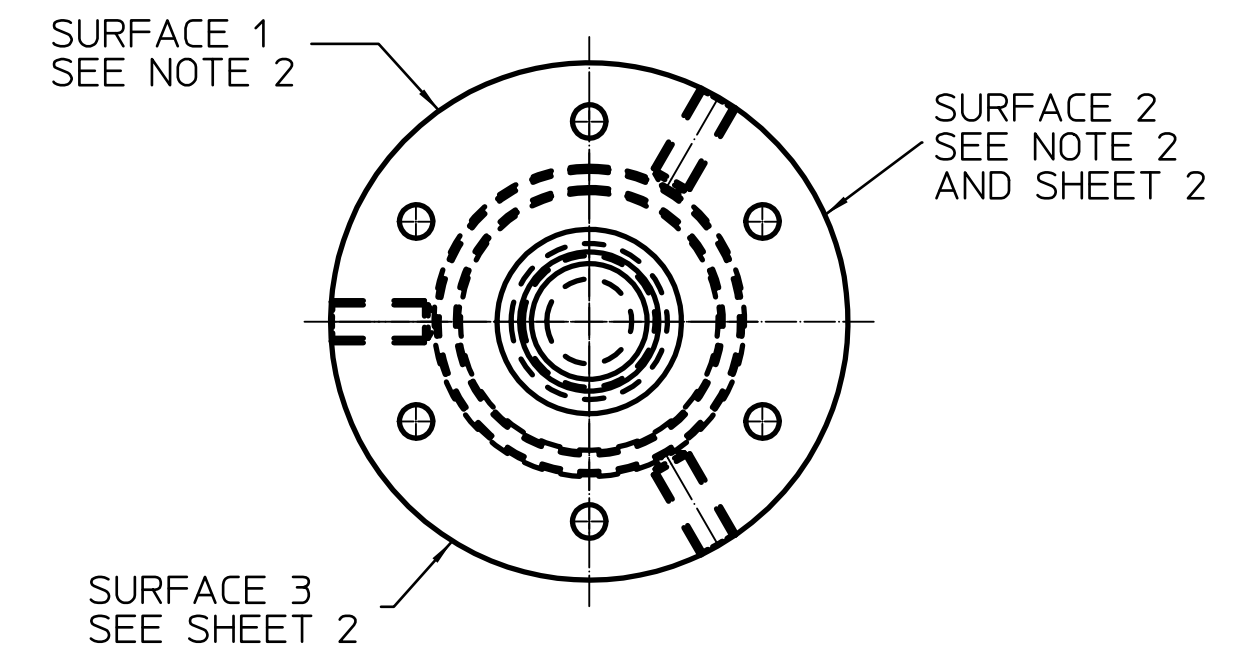
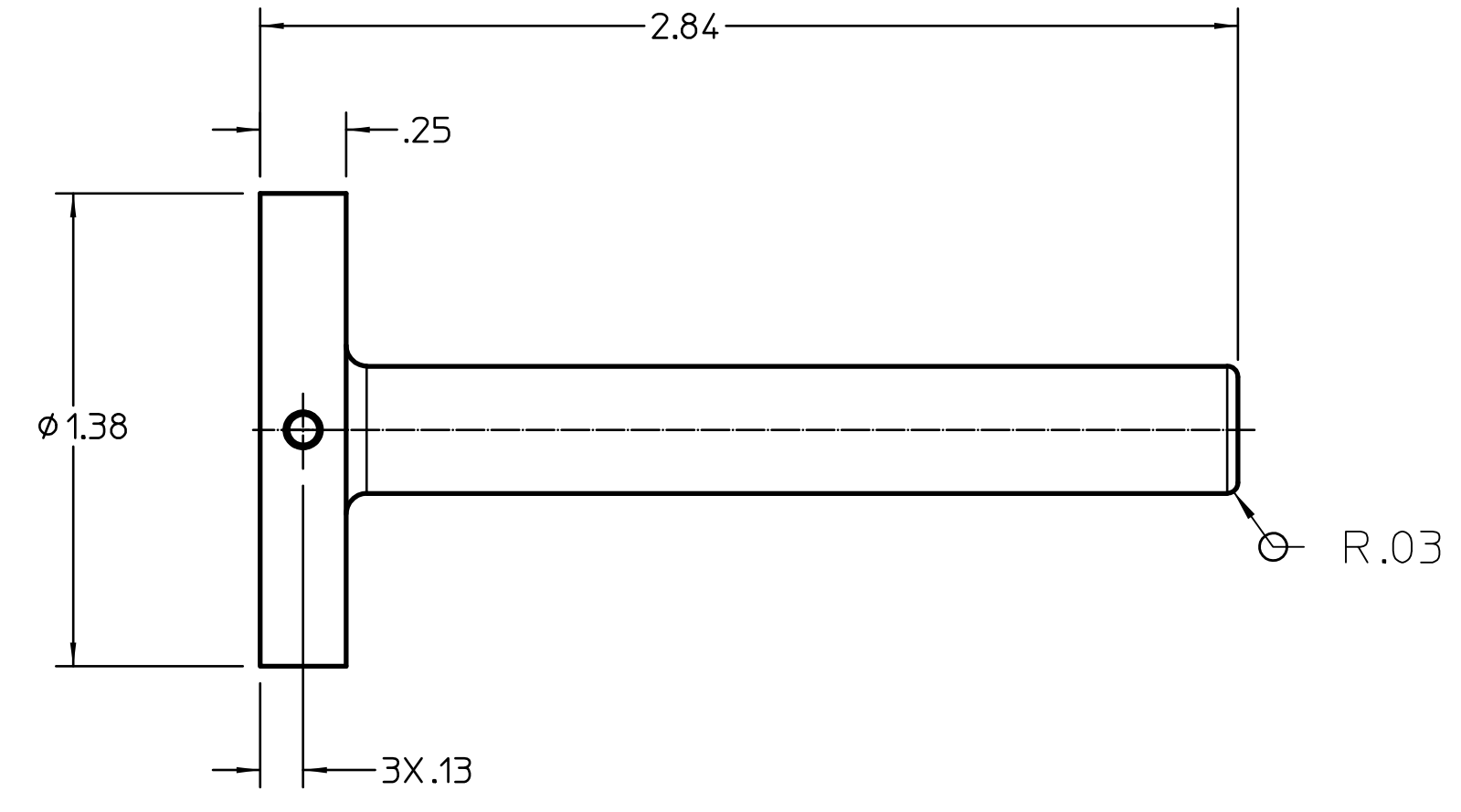
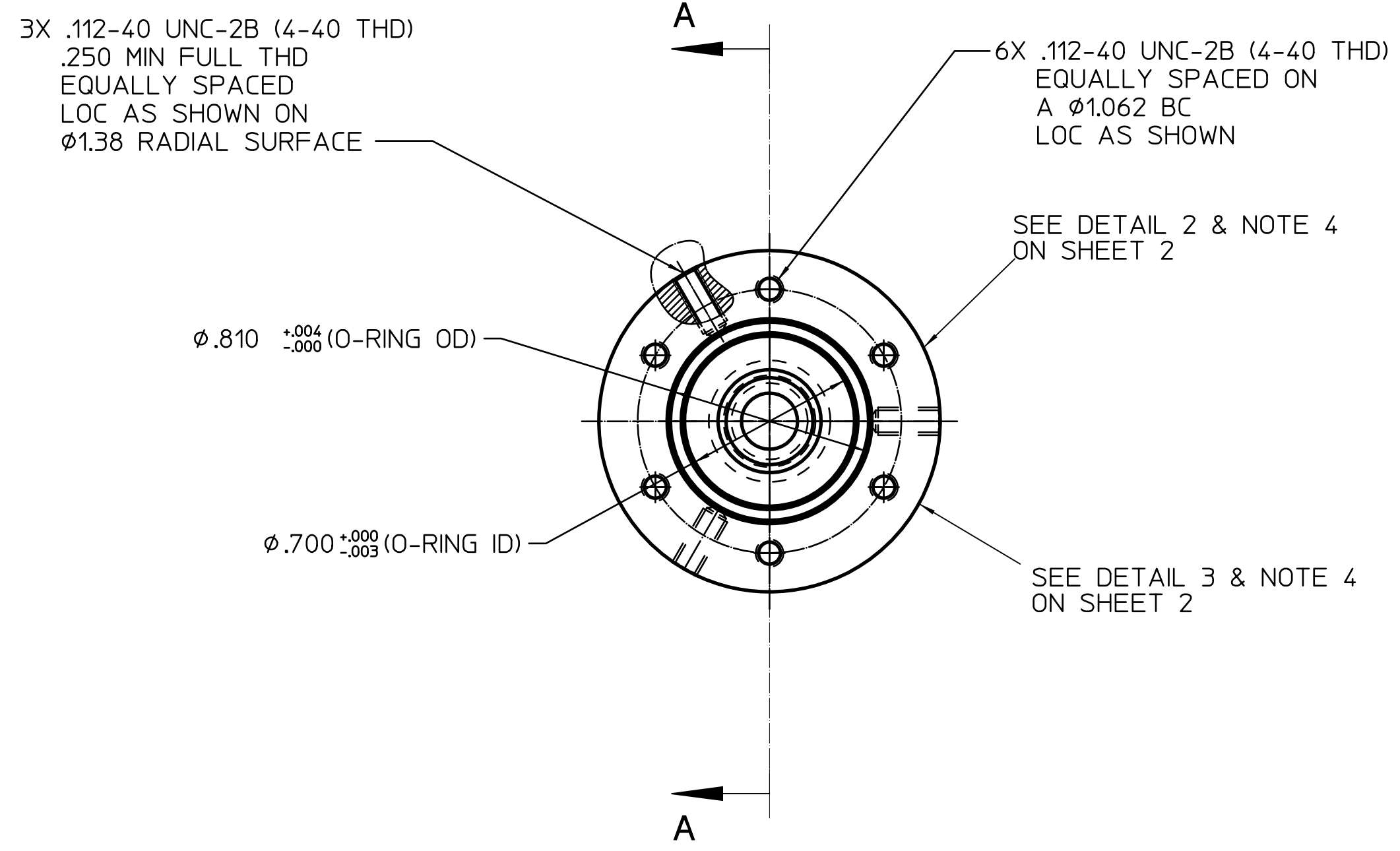
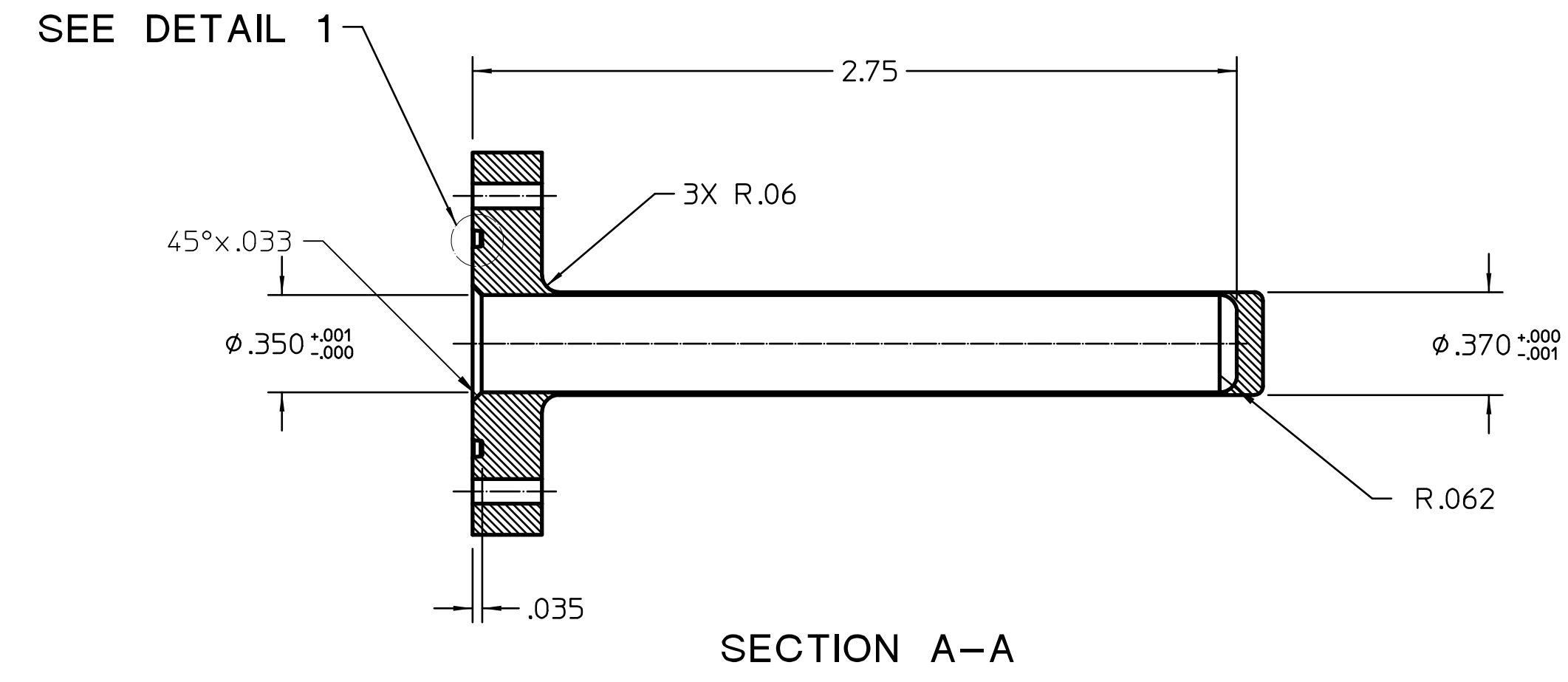
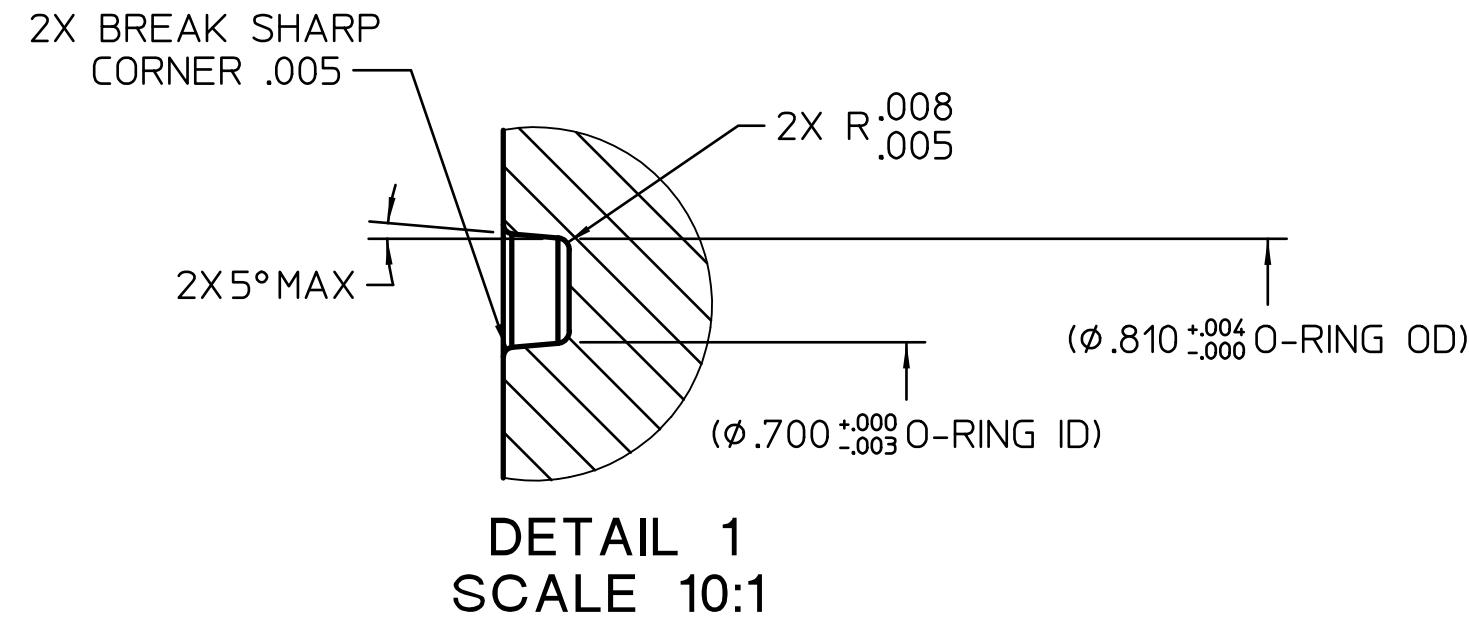
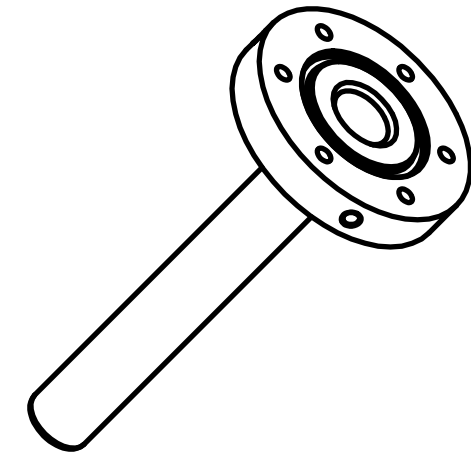


REVISIONS				
No.	ZONE	ECN	CHANGE	DATE
2	A4		CHANGED NOTE 2, ADDED SHEET 2	7/16/14

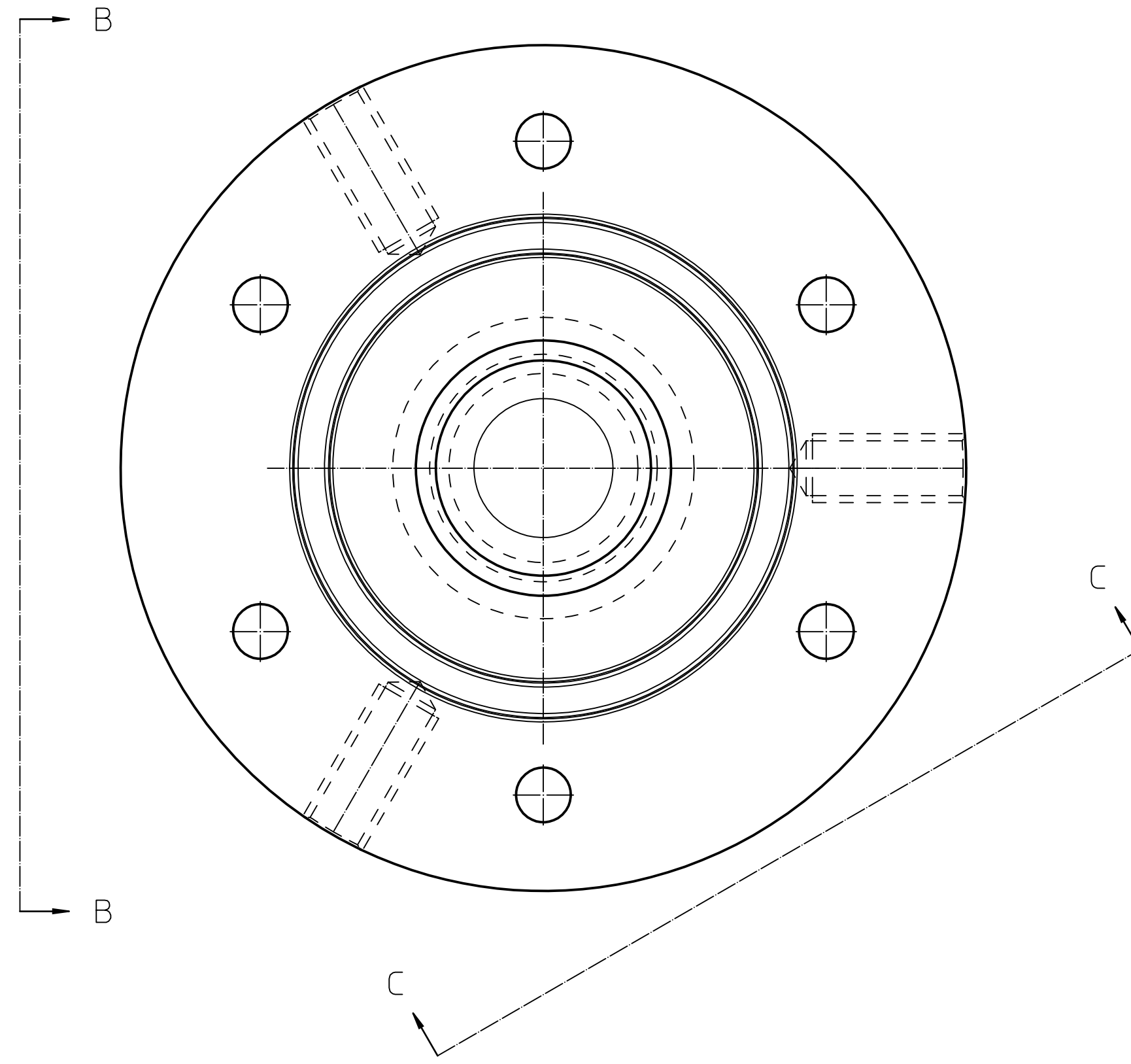
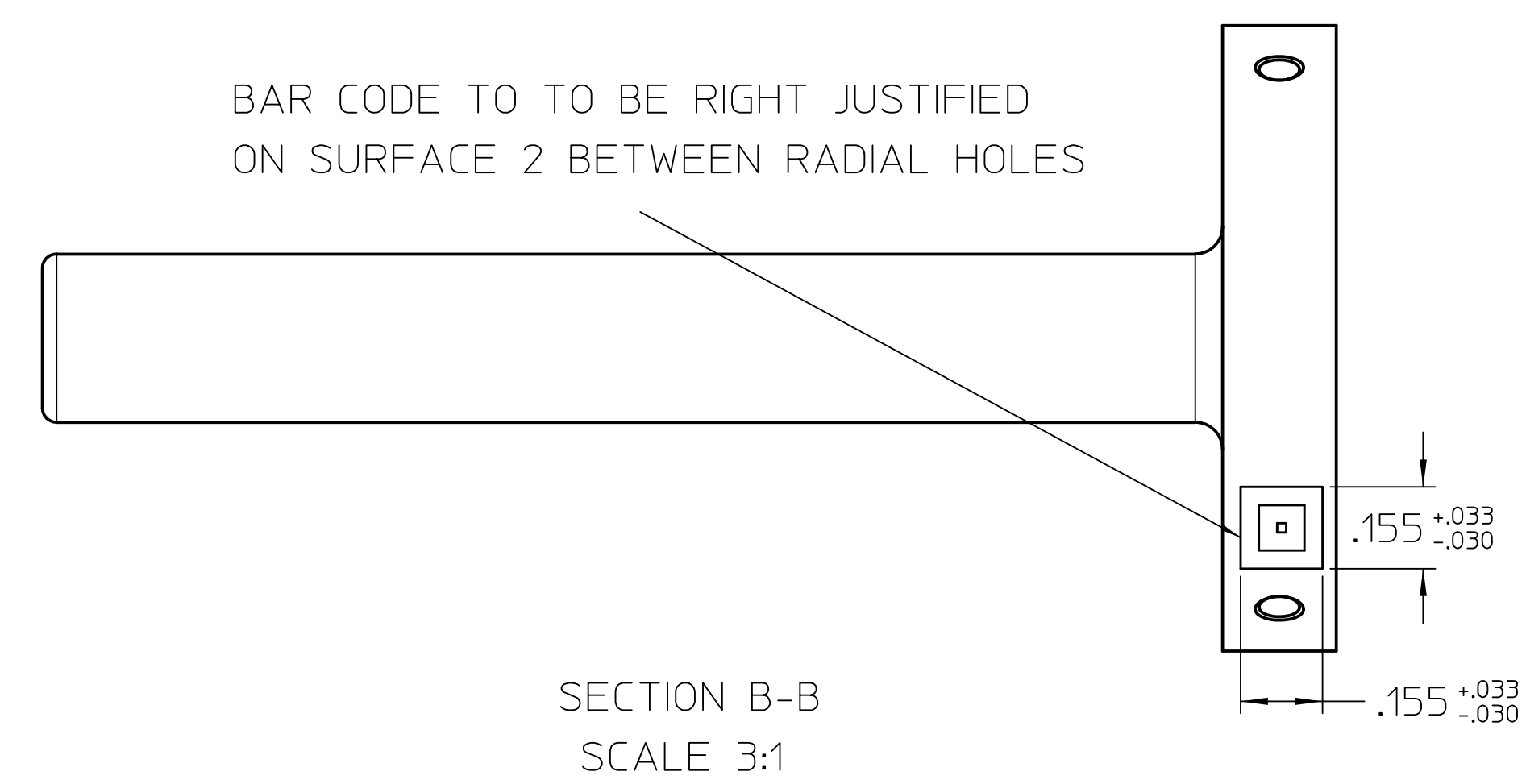


NOTES:

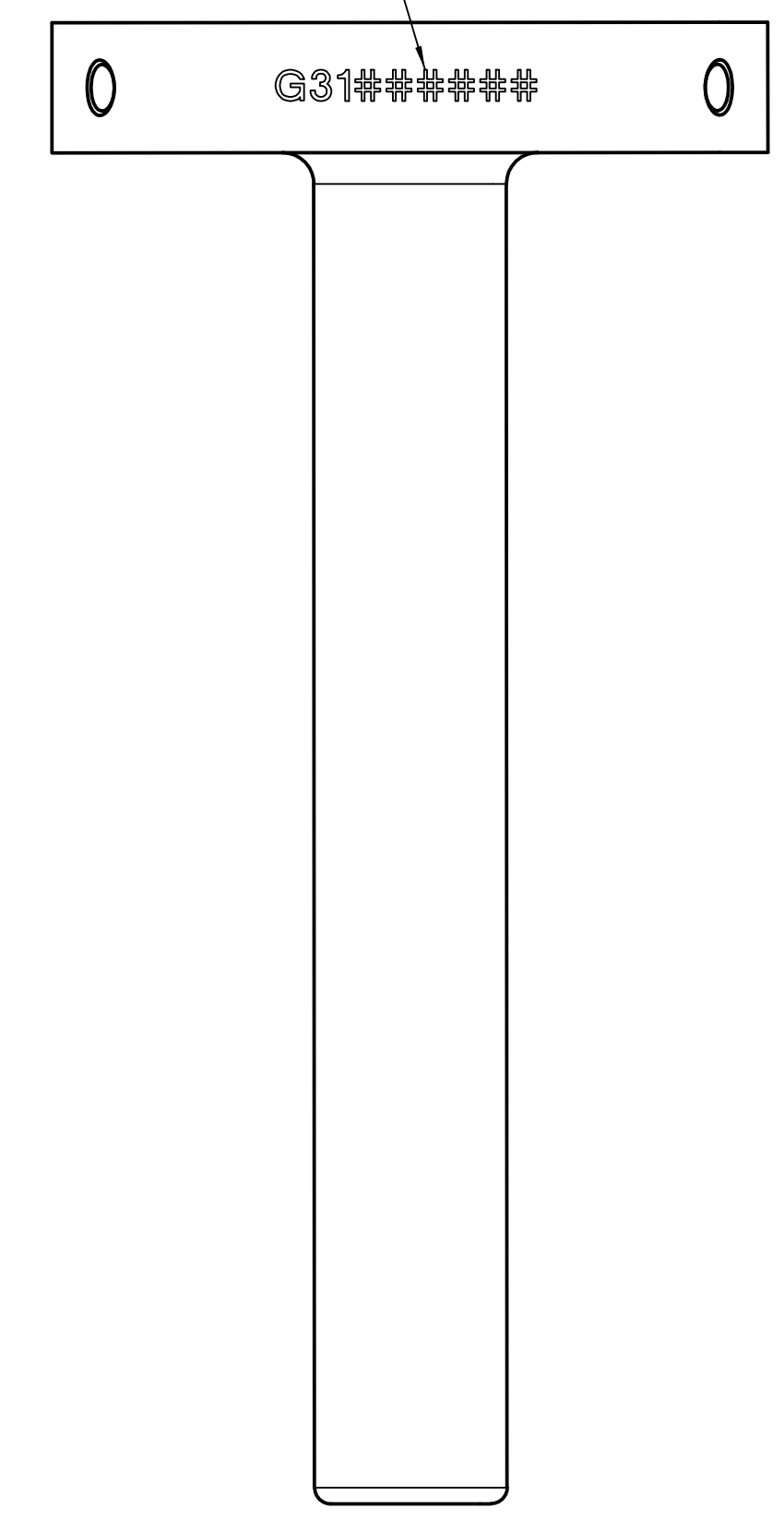
- UNLESS OTHERWISE SPECIFIED BREAK ALL SHARP EDGES .005 - .015
- SCRIBE, SURFACE 1; "014-1262" CENTERED BETWEEN RADIAL HOLES  
SURFACE 2; "3.1cc" (APPROX VOLUME) LEFT JUSTIFIED BETWEEN RADIAL HOLES  
NOTE 3 NOT APPLICABLE WITHIN THESE AREAS.
- ALL SURFACES UNLESS OTHERWISE SPECIFIED

MATERIAL SPECIFICATION		DRAWING APPROVALS		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS FRACTIONS XXX ±.005 ±.015 XX .031 ANGLE .5 X .1		NIST National Institute of Standards and Technology U.S. Department of Commerce		CENTER FOR NEUTRON RESEARCH 100 BUREAU DRIVE GATHERSBURG, MD 20899	
ALUMINUM 6061-T6		ENGR	DATE	DO NOT SCALE DRAWING		BODY, SAMPLE CAN (35 ID, 3.1cc)			
BAR, ROUND		ENGR INVR	DATE	DATE		REV			
MODEL DATA		DRAWING DATA		ENGINEER		SCALE		SHEET	
MODEL NAME: smel_con_body_35_id		DATE: 7/16/14 4:14 PM		Colin Wrenn		Dwg No. 014-1262		2	
CREATOR: colin		DATE: 12/17/12 11:38 AM		PHONE NUMBER: (301) 975-5142		SCALE: 2:1		1 of 2	
DRAFTER: edk1		DATE: 7/16/14 4:14 PM		EMAIL ADDRESS: colin.wrenn@nist.gov		RELEASE DATE			
LAST UPDATE BY: colin		DATE: 12/11/14 2:37 PM				CALC. WT.		DIM. & TOL. PER ANSI Y14.5M-1982	

REVISIONS				
No.	ZONE	ECN	CHANGE	DATE
2				



TEXT TO BE CENTERED ON SURFACE 3  
BETWEEN RADIAL HOLES



NOTES:

4. INSTRUCTIONS FOR LASER MARKING:

a)HANDLE PART WITH CARE. DO NOT MAR, SCRATCH, DENT, OR OTHERWISE DAMAGE SEALING SURFACES. MANUFACTURED SURFACE FINISH TO BE MAINTAINED.

b)PARTS TO BE INDIVIDUALLY PACKAGED IN A MANNER TO PREVENT DAMAGE DUE TO NORMAL SHIPPING AND HANDLING.

c)LASER MARKING TO BE COMPLETED WITH ALL MARKS TO BE COLOR CONTRASTING "DARK MARKS"  
ALL MARKS TO BE MINIMUM OF 0.001" DEEP

d)MARKED TEXT TO READ "G31#####" WHERE "#####" IS REPLACED WITH A SIX (6) DIGIT NUMERIC STRING STARTING VALUE FOR NUMERIC STRING TO BE IDENTIFIED IN ORDER DOCUMENTATION.  
NUMERIC STRING VALUE TO INCREMENT IN ONE (1) EACH SUBSEQUENT PART OF ORDER.

e)2D BAR CODE TO BE ECC200 DATA MATRIX FORM

f)2D BAR CODE AND TEXT STRING TO CONTAIN SAME INFORMATION

UNLESS OTHERWISE NOTED MARKED TEXT TO HAVE THE FOLLOWING PARAMETERS:

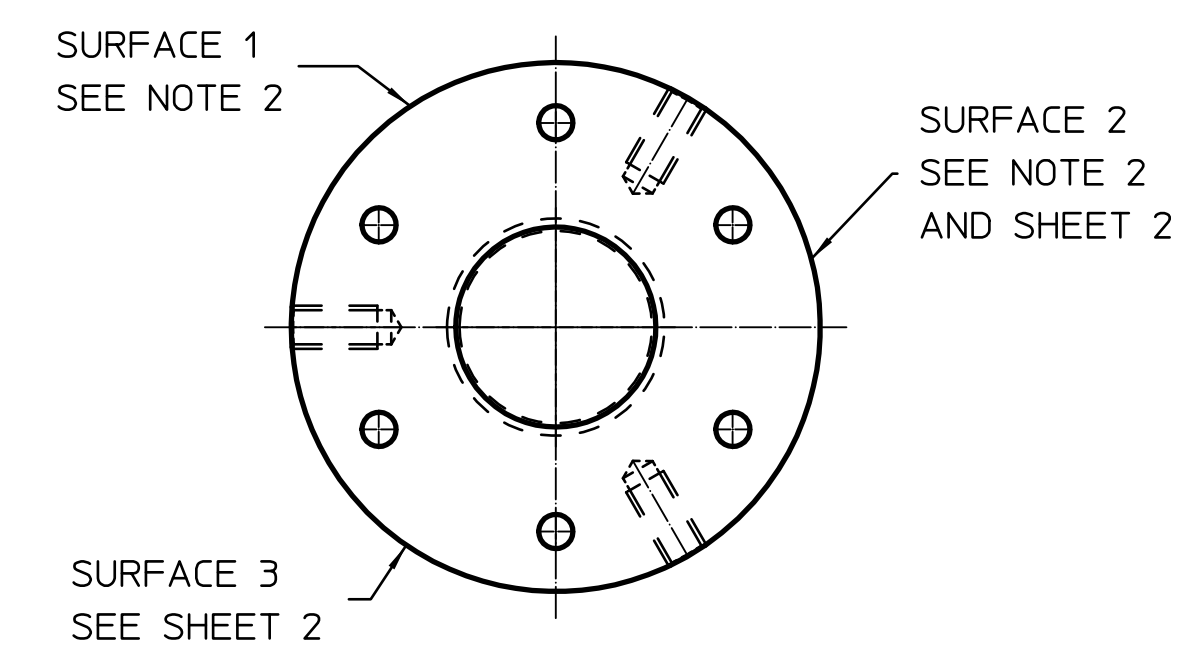
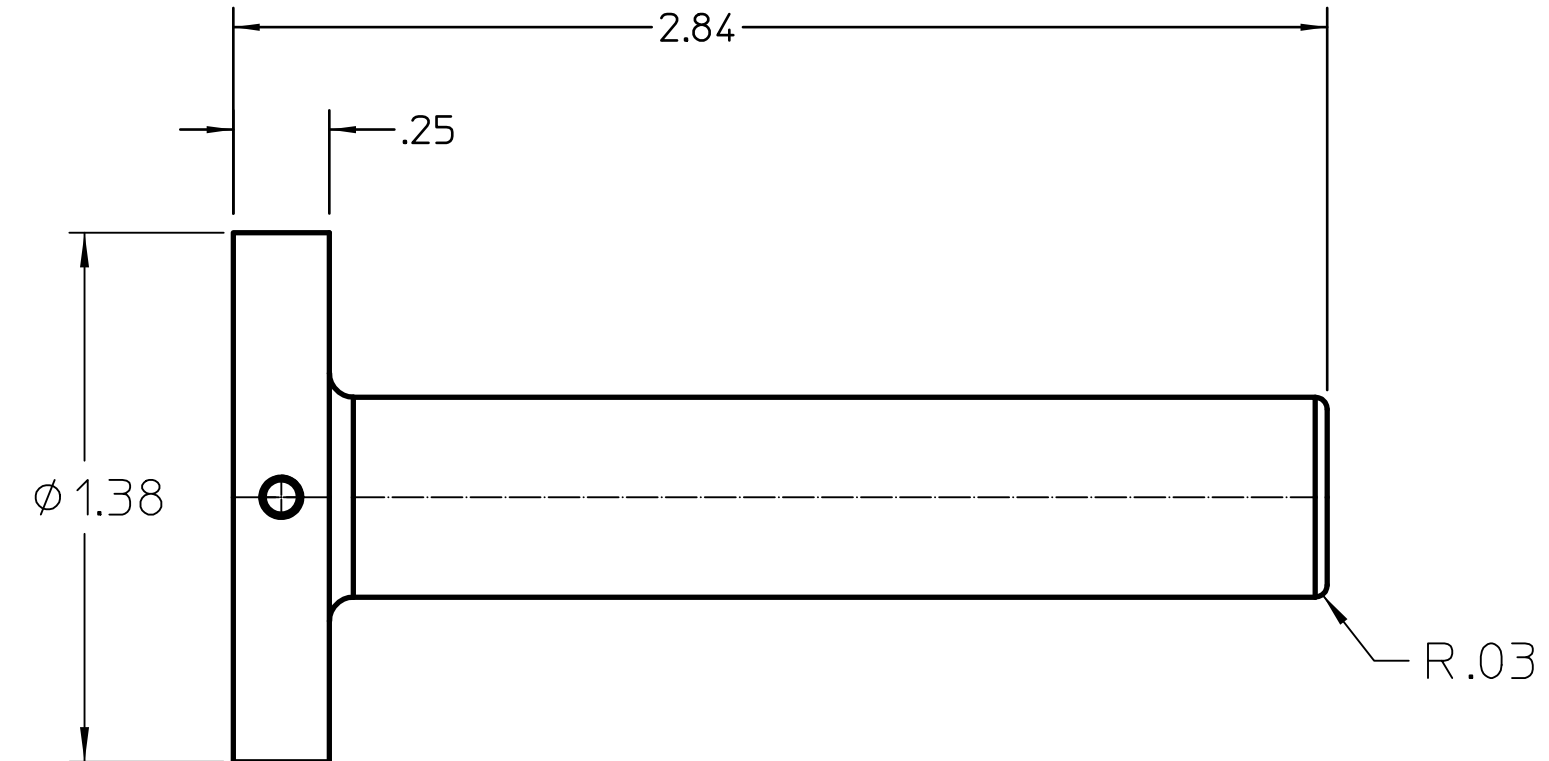
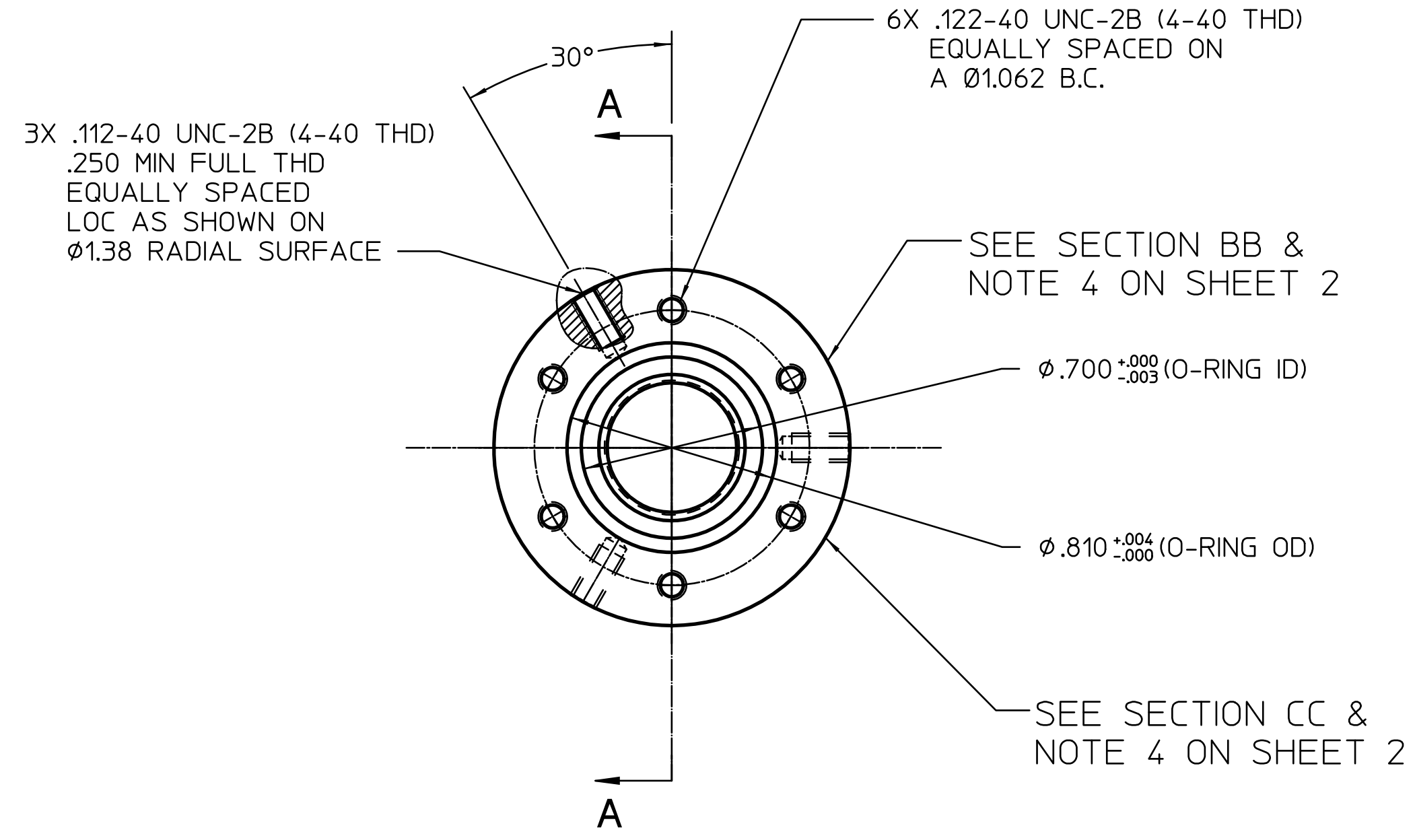
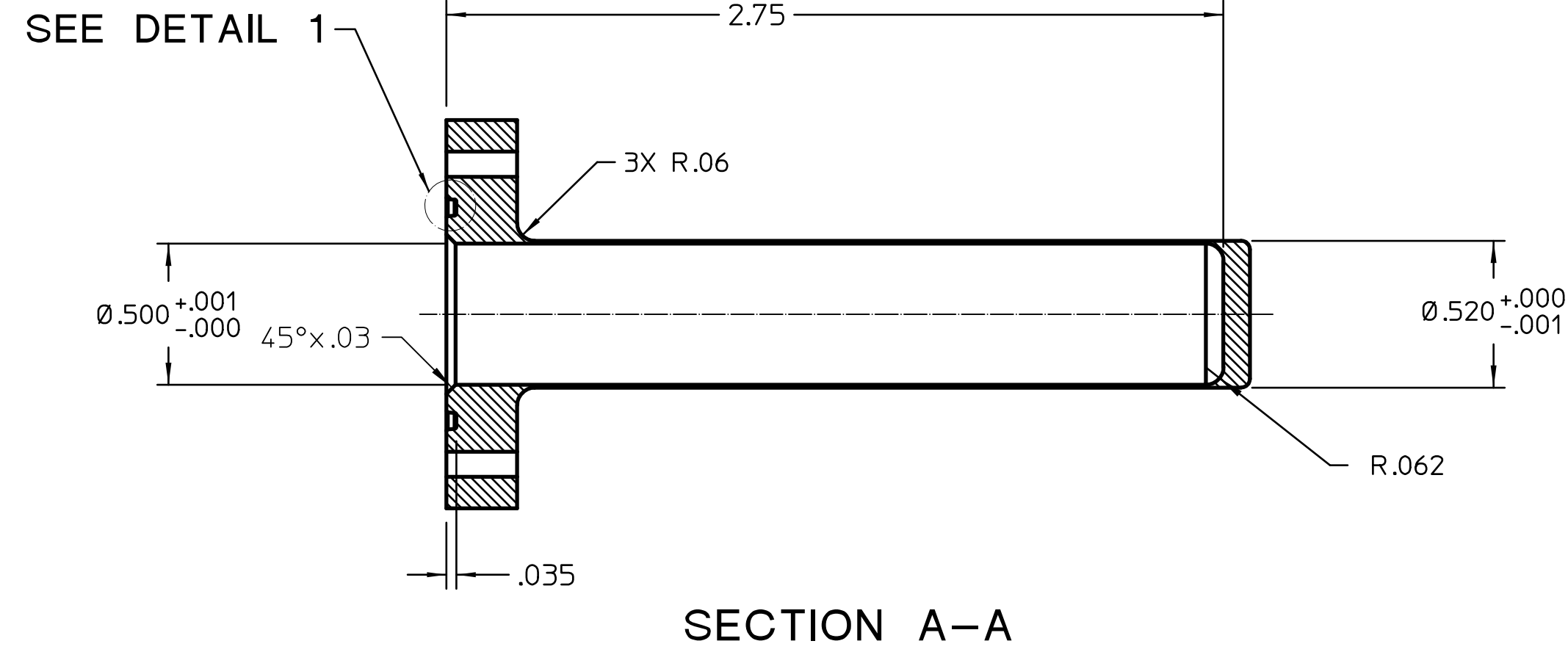
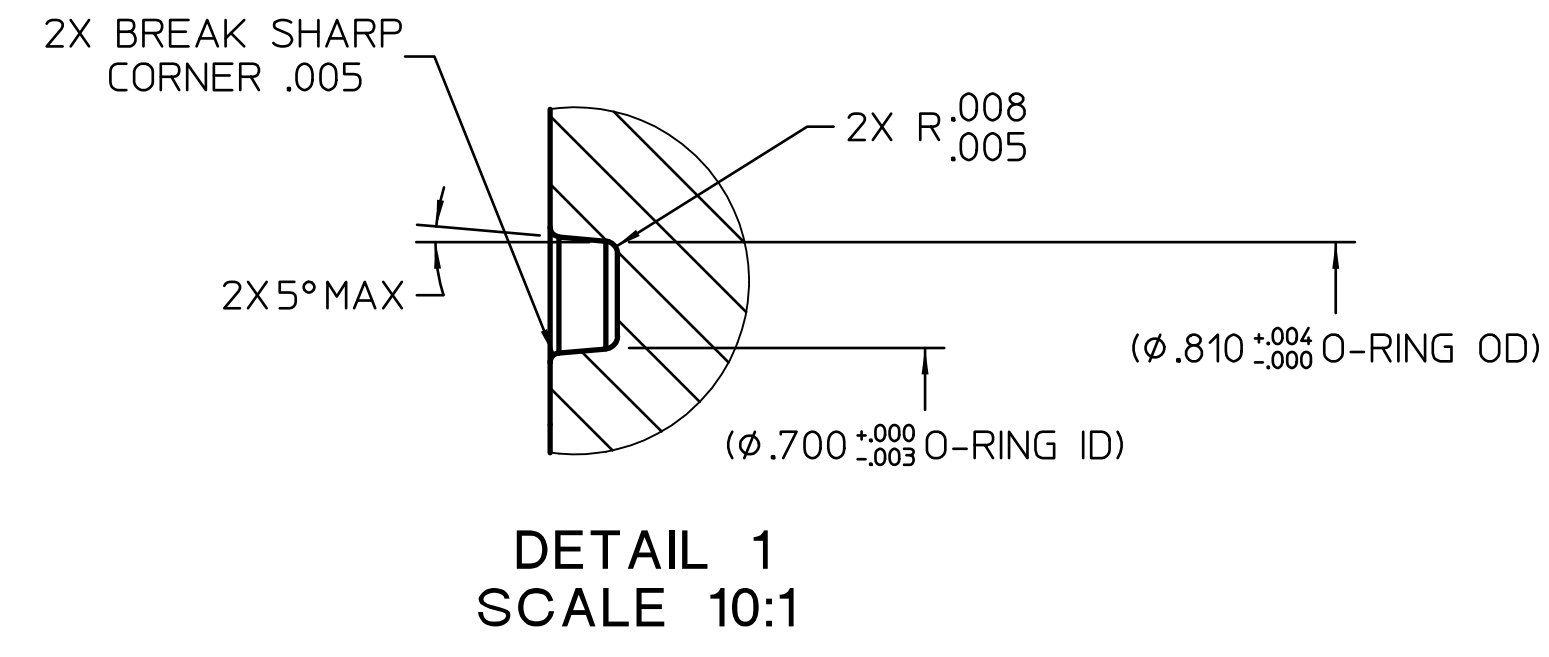
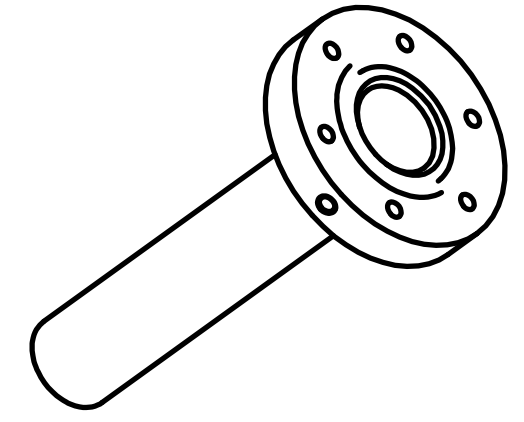
FONT: ARIAL  
SIZE: 0.125"  
LETTER SPACING: 125%

LASER SETTINGS FOR ALL MARKS TO BE  
PULSE FREQUENCY: 11000.000HZ  
VELOCITY: 20.000MM/S  
POWER: 99.000%  
TRACK WIDTH: 0.050MM  
FIRST PULSE: FPK  
COLOR: 05

NOTE 3 NOT APPLICABLE WITHIN SURFACE AREA 4 & 5.

MATERIAL SPECIFICATION		DRAWING APPROVALS		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		NIST National Institute of Standards and Technology U.S. Department of Commerce		CENTER FOR NEUTRON RESEARCH 100 BUREAU DRIVE GAITHERSBURG, MD. 20899	
ALUMINUM 6061-T6	SIZE	ENGR	DATE	TOLERANCES ARE: DECIMALS FRACTIONS .XXX ±.005 ±.015 XX ±.01 ±.01 X ±.1		BODY, SAMPLE CAN (35 ID, 3.1cc)		REV 2	
BAR ROUND	SIZE	ENGR INGR	DATE	DO NOT SCALE DRAWING		D		DWG No. 014-1262	
MODEL DATA		DRAWING DATA		ENGINEER		SCALE 5:1		RELEASE DATE	
MODEL NAME: smel_con_body_35_id	STATE: work	DATE: 7/16/14 4:14 PM	ENGINEER: Colin Wrenn	PHONE NUMBER: (301) 975-5142		SHEET 2 of 2		DIM. & TOL. PER ANSI Y14.5M-1982	
CREATOR: colin	DATE: 12/17/12 11:38 AM	VERSION: 2	DATE: 7/16/14 4:14 PM	EMAIL ADDRESS: colin.wrenn@nist.gov		CALC. WT.		ACT. WT.	
THIRD ANGLE PROJECTION		DRAFTER: edk1		LAST UPDATE BY: colin		DATE: 12/11/14 2:37 PM			

REVISIONS				
No.	ZONE	ECN	CHANGE	DATE
2	B4,C4		ADDED SECTION VIEWS, NOTES, SHEET 2	2/19/13



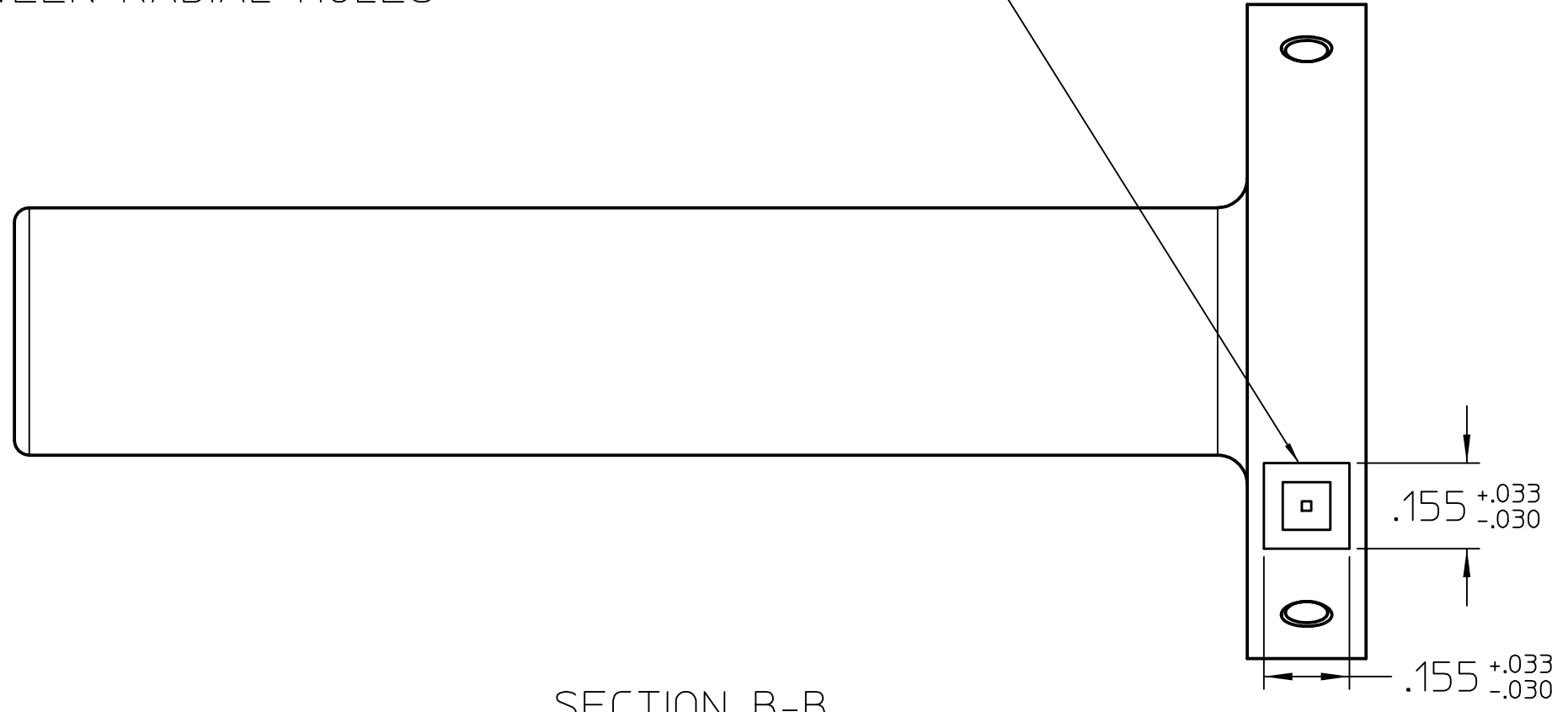
NOTES:

- UNLESS OTHERWISE SPECIFIED BREAK ALL SHARP EDGES .005 - .015
- SCRIBE, SURFACE 1; "014-1263" CENTERED BETWEEN RADIAL HOLES  
SURFACE 2; "6.3cc" (APPROX VOLUME) LEFT JUSTIFIED BETWEEN RADIAL HOLES  
NOTE 3 NOT APPLICABLE WITHIN THESE AREAS.
- ALL SURFACES  $\frac{32}{\sqrt{}}$  UNLESS OTHERWISE SPECIFIED

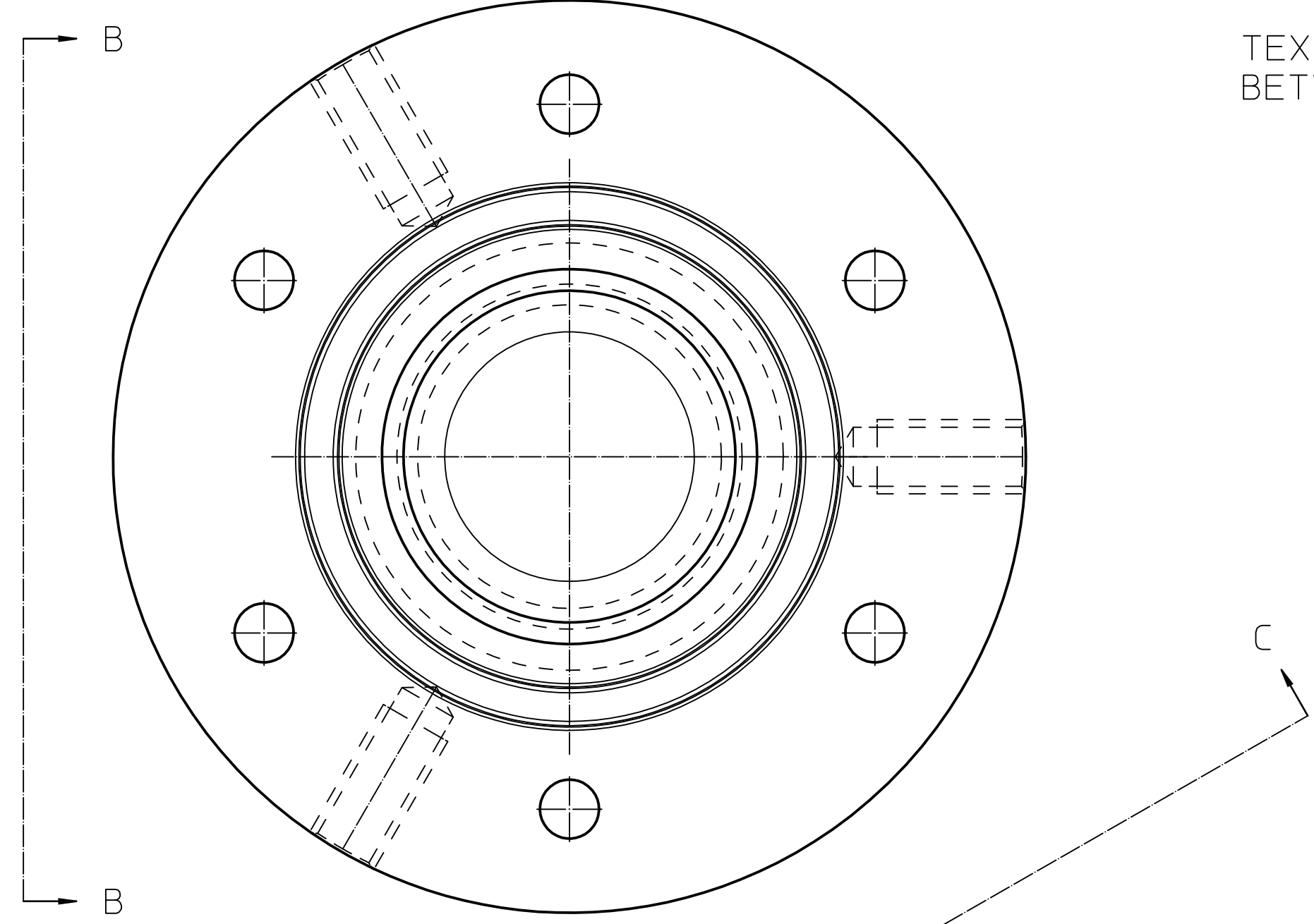
MATERIAL SPECIFICATION		DRAWING APPROVALS		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		NIST		CENTER FOR NEUTRON RESEARCH	
MATERIAL: ALUMINUM, 6061-T6	ENGR: [ ]	DATE: [ ]	DATE: [ ]	TOLERANCES ARE:	DECIMALS: .005	FRACTIONS: 1/16	National Institute of Standards and Technology		50 BUREAU DRIVE
FORM: BAR, ROUND	ENGR INDR: [ ]	DATE: [ ]	DATE: [ ]	ANGLES: 45	XX: 1/16	XX: 1/32	Technology Administration, U.S. Department of Commerce		GAITHERSBURG, MD 20899
MODEL DATA		DRAWING DATA		DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION		BODY, SAMPLE CAN - (50 ID, 6.33cc)	
MODEL NAME: smpl_can_body_50_id	STATE: work	DATE: 7/16/14 4:06 PM	DATE: 7/16/14 4:06 PM	SCALE: D	DWG NO: 014-1263	REV: 2	SIZE: 1 of 2		DATE: 12/17/12 11:56 AM
CREATOR: coin	DATE: 12/17/12 11:56 AM	SHEETS: 2	SHEETS: 2	ENGINEER: coin	RELEASE DATE: [ ]	SHEET: 1 of 2	SCALE: 2:1		DATE: 7/16/14 4:06 PM
LAST UPDATE BY: coin	DATE: 12/11/14 2:19 PM	PHONE: [ ]	PHONE: [ ]	DIM. & TOL. PER ANSI Y14.5M-1982		CALC. WT: [ ]		ACT. WT: [ ]	

REVISIONS				
No.	ZONE	ECN	CHANGE	DATE
2				

BAR CODE TO BE RIGHT JUSTIFIED ON SURFACE 2  
BETWEEN RADIAL HOLES

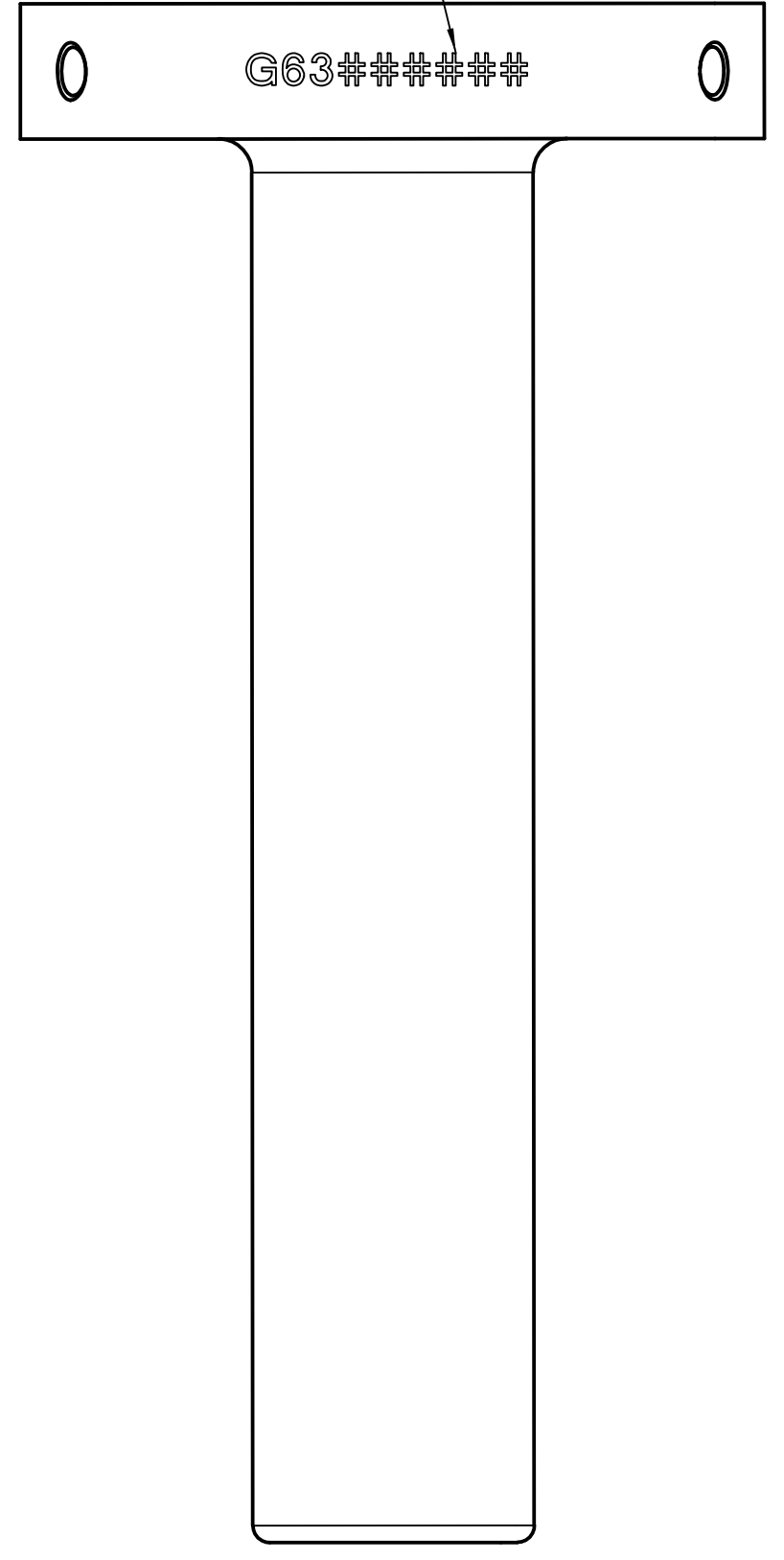


SECTION B-B  
SCALE 3:1



FRONT1

TEXT TO BE CENTERED ON SURFACE 3  
BETWEEN RADIAL HOLES

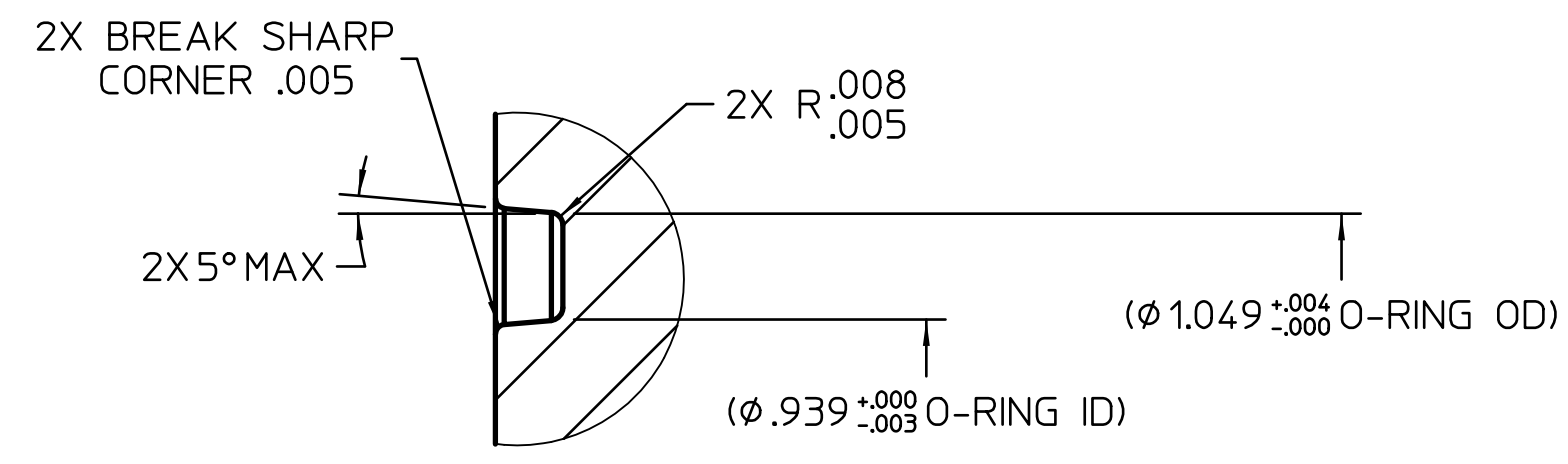
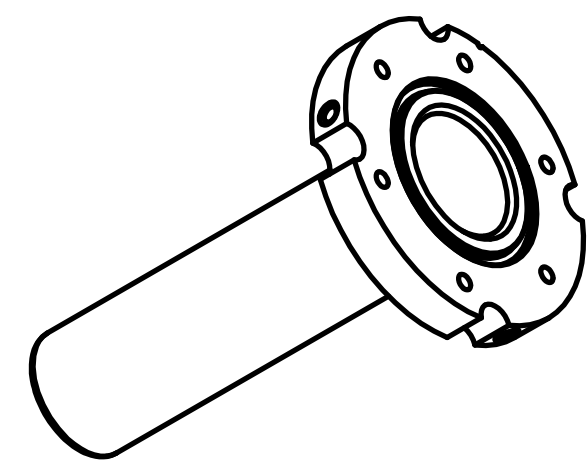


SECTION C-C  
SCALE 3:1

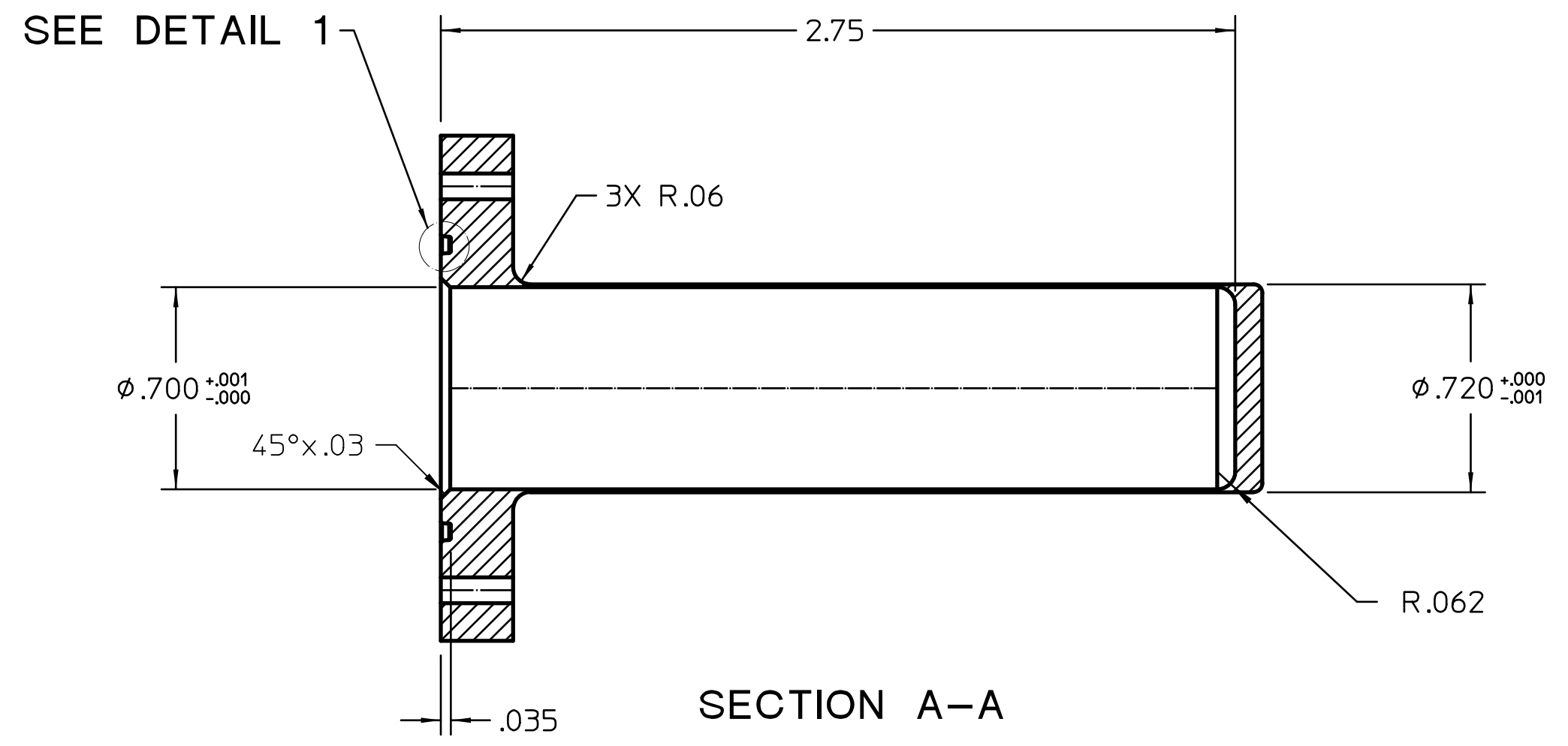
NOTES:  
 4. INSTRUCTION FOR LASER MARKING:  
 A) HANDLE PART WITH CARE. DO NOT MAR, SCRATCH, DENT, OR OTHERWISE DAMAGE SEALING SURFACES. *M* MANUFACTURED FINISH TO BE MAINTAINED.  
 B) PARTS TO BE INDIVIDUALLY PACKAGED IN A MANNER TO PREVENT DAMAGE DUE TO NORMAL SHIPPING AND HANDLING.  
 C) LASER MARKING TO BE COMPLETED WITH ALL MARKS BEING COLOR CONTRASTING "DARK MARKS". ALL MARKS TO BE A MINIMUM OF .0001" DEEP.  
 D) MARKED TEXT TO "G63#####" WHERE "#####" IS REPLACED WITH A SIX (6) DIGIT NUMERIC STRING. STARTING VALUE FOR NUMERIC STRING TO BE IDENTIFIED IN ORDER DOCUMENTATION. NUMERIC STRING TO INCREMENT BY ONE (1) FOR EACH SUBSEQUENT PART OF ORDER.  
 E) 2D BAR CODE TO BE ECC200 DATA MATRIX FORM.  
 F) 2D BAR CODE AND TEXT STRING TO CONTAIN SAME INFORMATION.  
 UNLESS OTHERWISE NOTED MARKED TEXT TO HAVE THE FOLLOWING PARAMETERS:  
 FONT: ARIAL  
 SIZE: 0.125"  
 LETTER SPACING: 125%  
 LASER SETTINGS FOR ALL MARKS TO BE:  
 PULSE FREQUENCY: 11000.000Hz  
 VELOCITY: 20.000MM/S  
 POWER: 99.000%  
 TRACK WIDTH: 0.050MM  
 FIRST PULSE: FPK  
 COLOR: 05  
 5. NOTE 3 NOT APPLICABLE WITHIN SURFACE AREAS 4 & 5.

MATERIAL SPECIFICATION		DRAWING APPROVALS		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		NIST National Institute of Standards and Technology U.S. Department of Commerce		CENTER FOR NEUTRON RESEARCH 100 BUREAU DRIVE GATHERSBURG, MD. 20899	
WATER	ALUMINUM 6061-T6	ENGR	DATE	DATE	DECIMALS	FRACTIONS	BODY, SAMPLE CAN - (50 ID, 633cc)		
PERF	BAR_ROUND	ENGR INVR	DATE	DATE	.XXX	+005	D		
MODEL DATA		DRAWING DATA		DO NOT SCALE DRAWING		Dwg No. 014-1263			
MODEL NAME	smel_con_body_50_d	STATE	DATE	DATE	XXX	+005	SCALE 5:1		
CREATOR	colin	VERSION	DATE	DATE	.XX	+01	REV 2		
DATE	12/17/12 11:56 AM	SHEETS	2	SHEETS	.X	+01	SHEET 2 of 2		
THIRD ANGLE PROJECTION		DRAWN BY	colin	DATE	7/16/14 4:06 PM	ANGLES	DIM. & TOL. PER ANSI Y14.5M-1982		
		DATE	12/17/12 11:56 AM	DATE	7/16/14 4:06 PM	1/4			
		DATE	12/17/12 11:56 AM	DATE	7/16/14 4:06 PM	1/4			
		DATE	12/17/12 11:56 AM	DATE	7/16/14 4:06 PM	1/4			

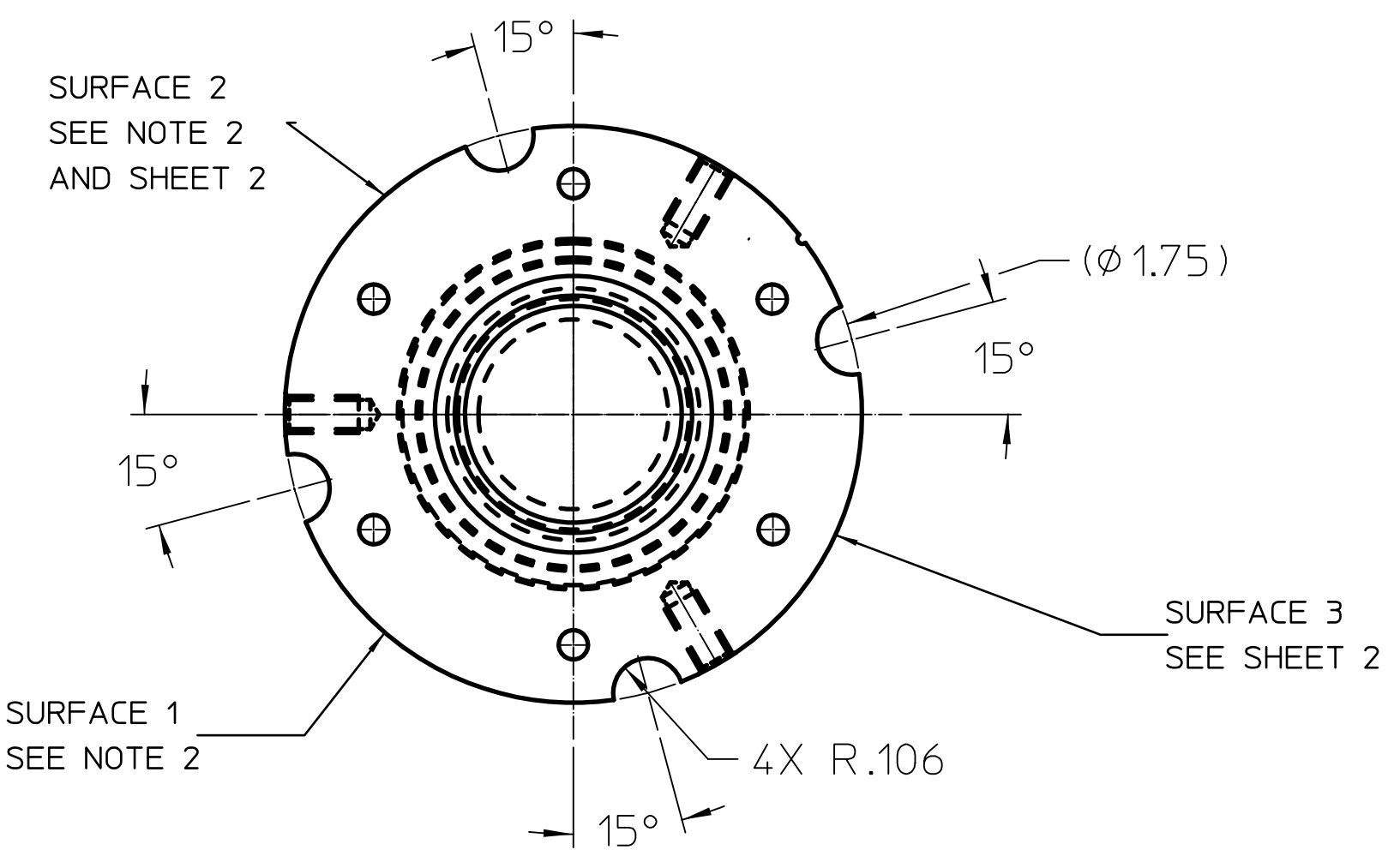
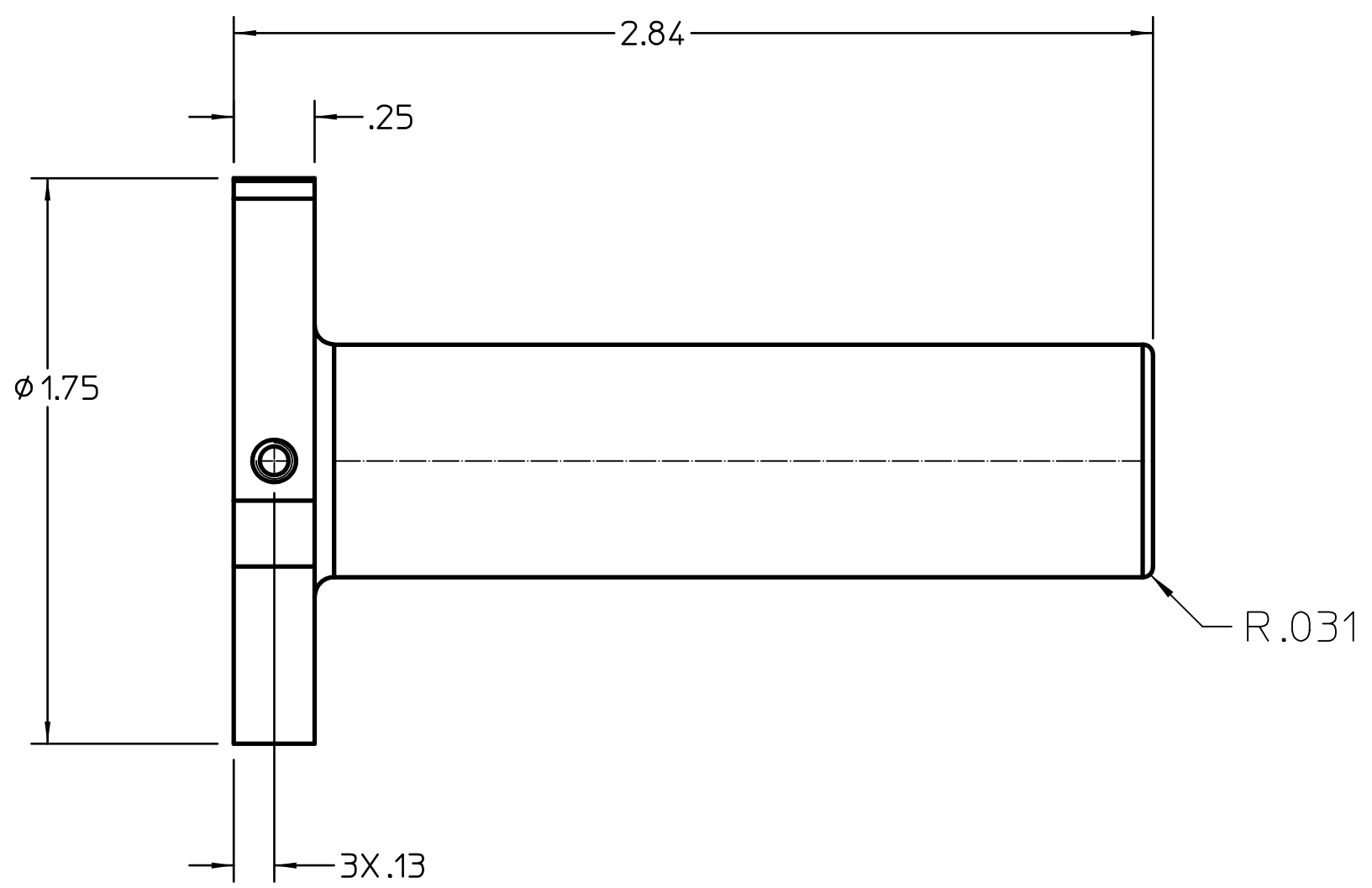
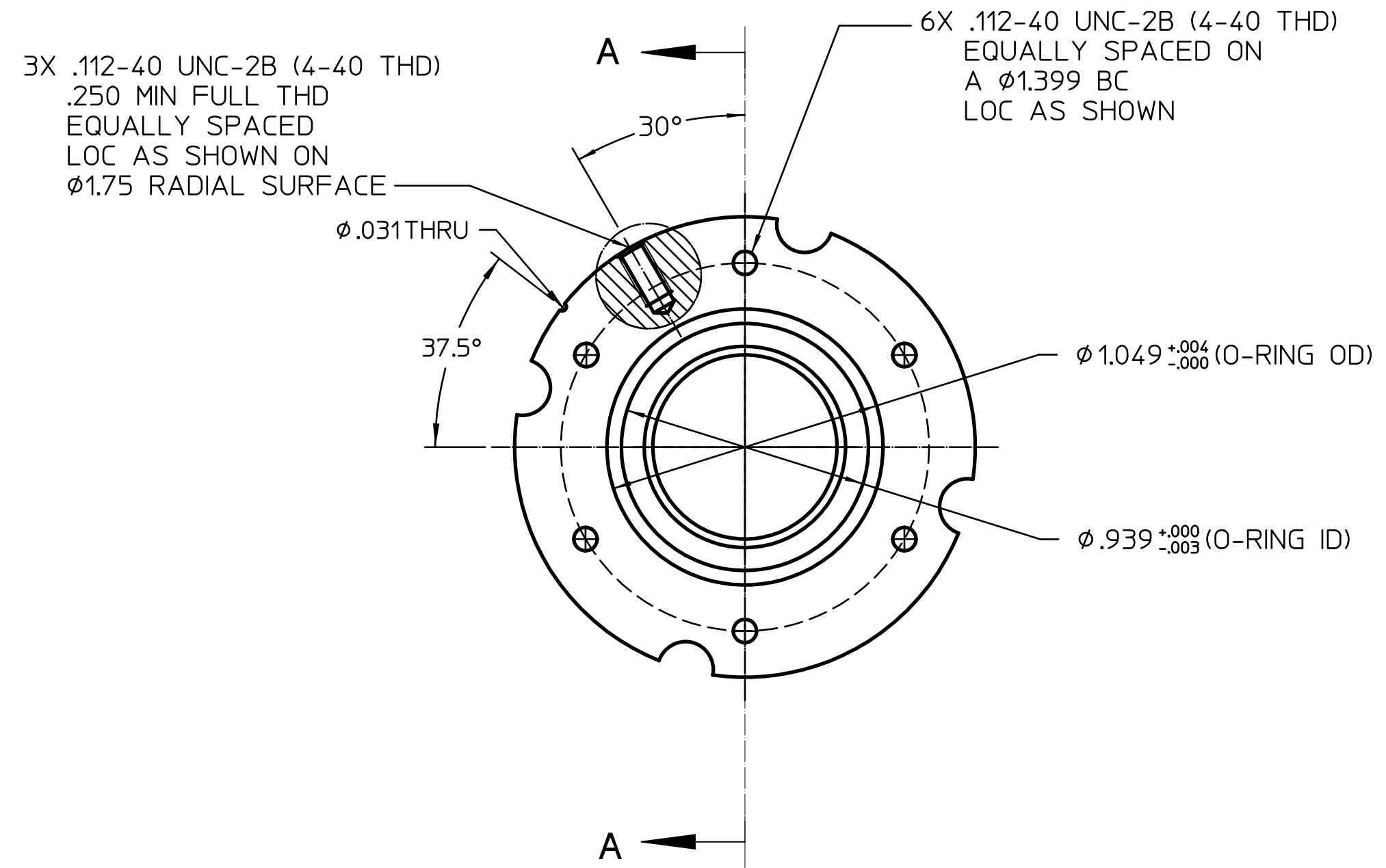
REVISIONS				
No.	ZONE	ECN	CHANGE	DATE
3	B4		ADDED RADIAL FEATURE ON OD	1/20/15
2	A4		CHANGED NOTE 2, ADDED SHEET 2	7/16/14



DETAIL 1  
SCALE 10:1



SECTION A-A



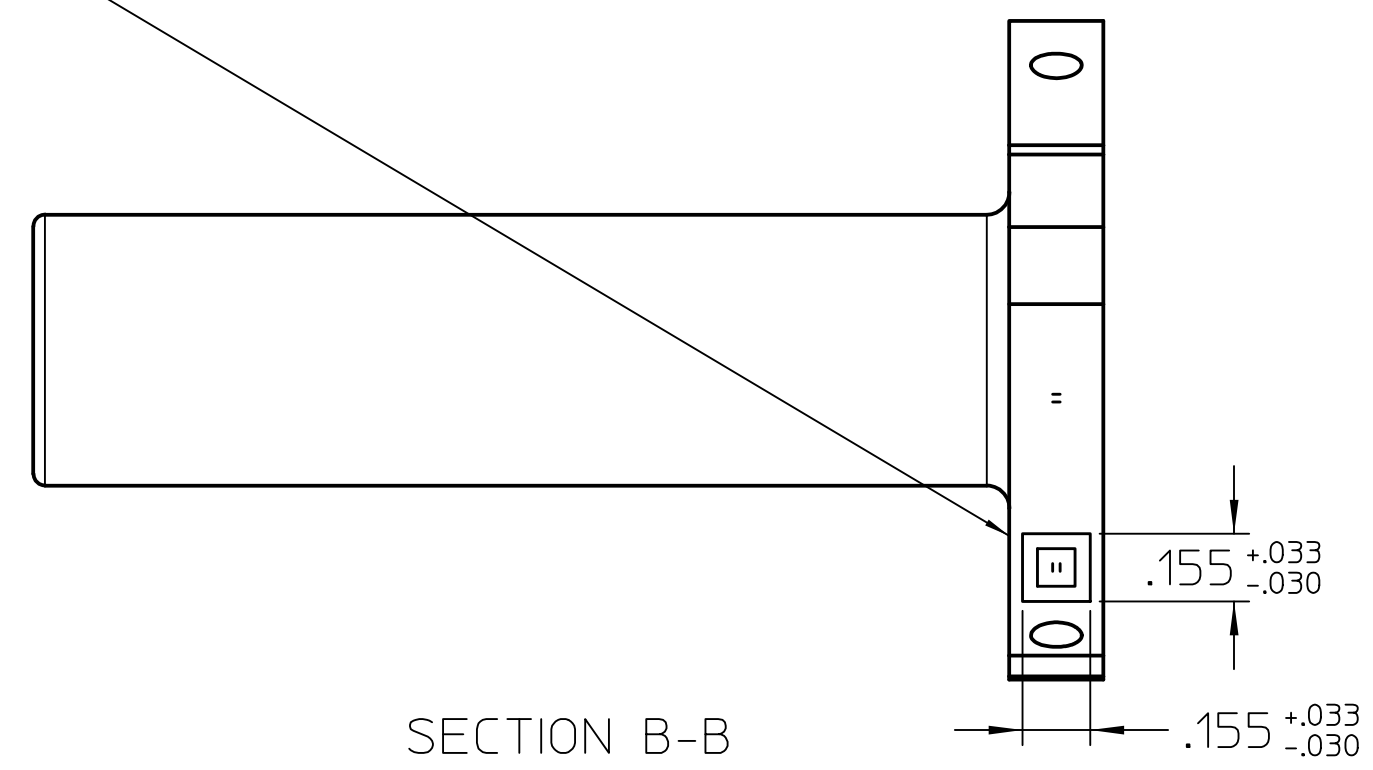
NOTES:

- UNLESS OTHERWISE SPECIFIED BREAK ALL SHARP EDGES .005 - .015
- SCRIBE, SURFACE 1; "014-1264" CENTERED BETWEEN RADIAL HOLES  
SURFACE 2; "12.3cc" (APPROX VOLUME) LEFT JUSTIFIED BETWEEN RADIAL HOLE ON THE LEFT AND NOTCH ON THE RIGHT  
NOTE 3 NOT APPLICABLE WITHIN THESE AREAS.
- ALL SURFACES  $\sqrt{32}$  UNLESS OTHERWISE SPECIFIED

MATERIAL SPECIFICATION		DRAWING APPROVALS		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		NIST		CENTER FOR NEUTRON RESEARCH	
MATERIAL: ALUMINUM, 6061-T6	ENGR	DATE	DATE	TOLERANCES ARE:	DECIMALS	FRACTIONS	National Institute of Standards and Technology Technology Administration, U.S. Department of Commerce		50 BUREAU DRIVE GAITHERSBURG, MD 20899
FORM: BAR, ROUND	SIZE	ENGR INPR	DATE	XXX +.005	XX +.01	XX +.015	BODY, SAMPLE CAN - (.70 ID, 12.3cc)		
MODEL DATA		DRAWING DATA		DO NOT SCALE DRAWING		THIRD ANGLE PROJECTION			
MODEL NAME: smpl_can_body_70_id	STATE: work	DATE: 1/20/15 11:22 AM	DATE: 1/20/15 11:22 AM	SCALE: 2:1	RELEASE DATE:	SIZE: D	DWG NO: 014-1264	REV: 3	SHEET: 1 of 2
CREATOR: coin	DATE: 12/17/12 11:43 AM	VECSYS: 3	SHEETS: 2	ENGINEER: coin	PHONE #:	CALC. WT.:	ACT. WT.:	DIM. & TOL. PER ANSI Y14.5M-1982	
DRAWER: coin	DATE: 1/20/15 11:22 AM	LAST UPDATE BY: coin	DATE: 1/20/15 11:58 AM						

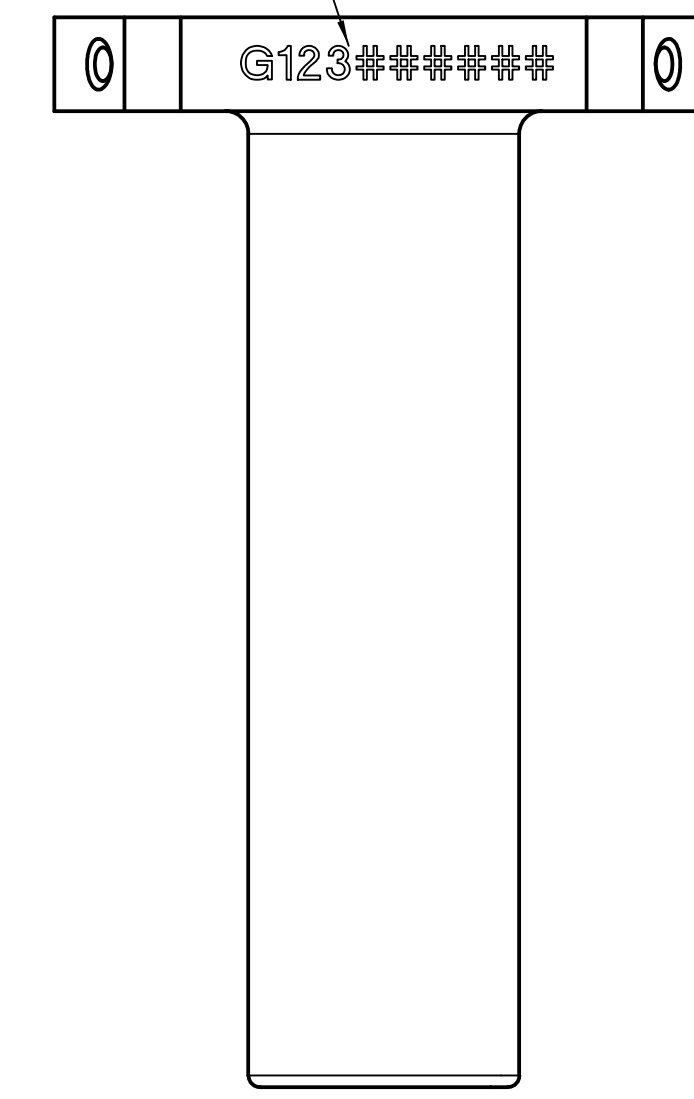
REVISIONS				
No.	ZONE	ECN	CHANGE	DATE
3				

BAR CODE TO BE RIGHT JUSTIFIED BETWEEN RADIAL HOLE ON THE RIGHT AND NOTCH ON THE LEFT OF SURFACE 2

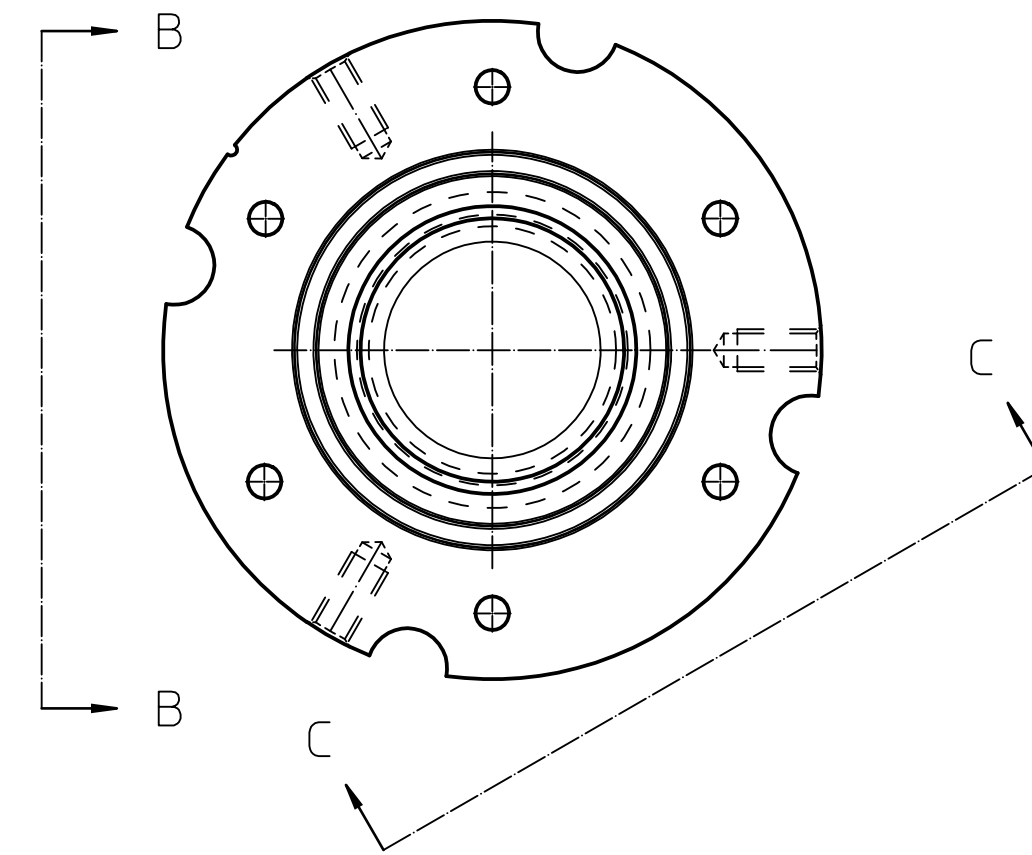


SECTION B-B

TEXT TO BE CENTERED BETWEEN RADIAL HOLE ON THE LEFT AND NOTCH ON THE RIGHT OF SURFACE 3



SECTION C-C



FRONT1

NOTES:  
 4. INSTRUCTION FOR LASER MARKING:  
 A) HANDLE PART WITH CARE. DO NOT MAR, SCRATCH, DENT, OR OTHERWISE DAMAGE SEALING SURFACES. M MANUFACTURED FINISH TO BE MAINTAINED.  
 B) PARTS TO BE INDIVIDUALLY PACKAGED IN A MANNER TO PREVENT DAMAGE DUE TO NORMAL SHIPPING AND HANDLING.  
 C) LASER MARKING TO BE COMPLETED WITH ALL MARKS BEING COLOR CONTRASTING "DARK MARKS". ALL MARKS TO BE A MINIMUM OF .0001" DEEP.  
 D) MARKED TEXT TO "G123#####" WHERE "#####" IS REPLACED WITH A SIX (6) DIGIT NUMERIC STRING. STARTING VALUE FOR NUMERIC STRING TO BE IDENTIFIED IN ORDER DOCUMENTATION. NUMERIC STRING TO INCREMENT BY ONE (1) FOR EACH SUBSEQUENT PART OF ORDER.  
 E) 2D BAR CODE TO BE ECC200 DATA MATRIX FORM.  
 F) 2D BAR CODE AND TEXT STRING TO CONTAIN SAME INFORMATION.  
 UNLESS OTHERWISE NOTED MARKED TEXT TO HAVE THE FOLLOWING PARAMETERS:  
 FONT: ARIAL  
 SIZE: 0.125"  
 LETTER SPACING: 125%  
 LASER SETTINGS FOR ALL MARKS TO BE:  
 PULSE FREQUENCY: 11000.000Hz  
 VELOCITY: 20.000MM/S  
 POWER: 99.000%  
 TRACK WIDTH: 0.050MM  
 FIRST PULSE: FPK  
 COLOR: 05  
 5. NOTE 3 NOT APPLICABLE WITHIN SURFACE AREAS 4 & 5.

MATERIAL SPECIFICATION		DRAWING APPROVALS		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		NIST		CENTER FOR NEUTRON RESEARCH	
MATERIAL: ALUMINUM 6061-T6	SIZE: BAR, ROUND	ENGR: [ ]	DATE: [ ]	ENGR: [ ]	DATE: [ ]	DECIMALS: .XXX	FRACTIONS: 4/16	ANGLES: 45	100 BUREAU DRIVE GATHERSBURG, MD. 20899
MODEL DATA		DRAWING DATA		DO NOT SCALE DRAWING		FOR: BODY, SAMPLE CAN - (70 ID, 12.3cc)		100 BUREAU DRIVE GATHERSBURG, MD. 20899	
MODEL NAME: smel_con_body_70_id	STATE: work	DATE: 1/20/15 11:22 AM	ENGINEER: Colin Wrenn	SCALE: 2:1	RELEASE DATE: [ ]	DWG No. 014-1264		REV 3	
CREATOR: colin	DATE: 12/17/12 11:43 AM	VERSION: 3	SHEETS: 2	PHONE NUMBER: (301) 975-5142	SHEET 2 of 2		DIM. & TOL. PER ANSI Y14.5M-1982		
THIRD ANGLE PROJECTION	CREATOR: colin	DATE: 1/20/15 11:22 AM	EMAIL ADDRESS: colin.wrenn@nist.gov	CALC. WT. [ ]		ACT. WT. [ ]		DIM. & TOL. PER ANSI Y14.5M-1982	