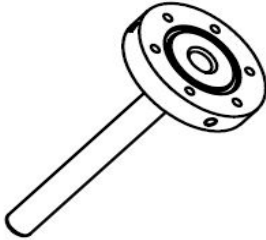
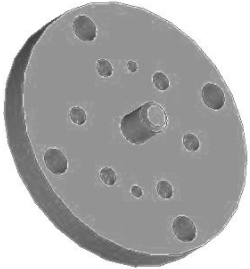
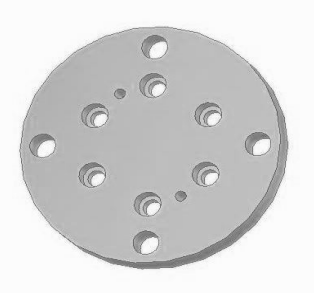


Powder Cans & Lids

014-1261 1.6 cc Can
(014-0522)



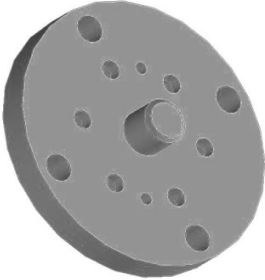
014-1417 1.6 cc Lid
(014-0522)



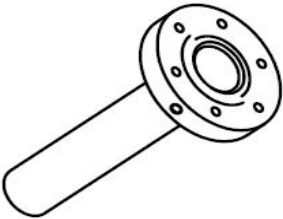
014-1262 3.1 cc Can
(014-0525)



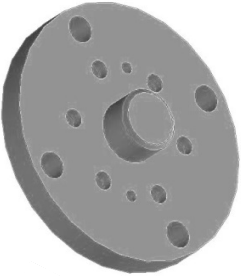
014-1418 3.1 cc Lid
(014-0526)



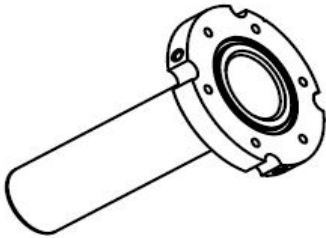
014-1263 6.3 cc Can



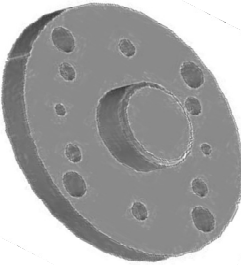
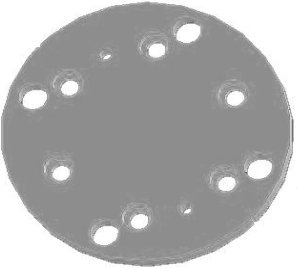
014-1419 6.3 cc Lid



014-1264 12.3 cc Can
(014-0530)

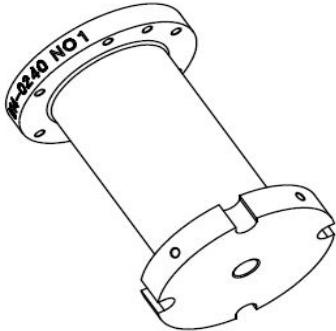


014-1420 12.3 cc Lid
(014-0531)

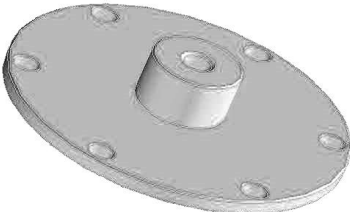


Crystal Cans & Lids

014-0240 Single Crystal Can SMALL



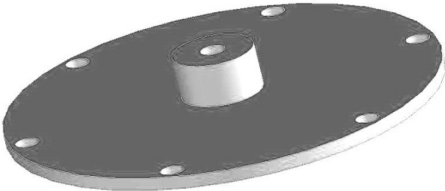
014-0241 Single Crystal Lid SMALL



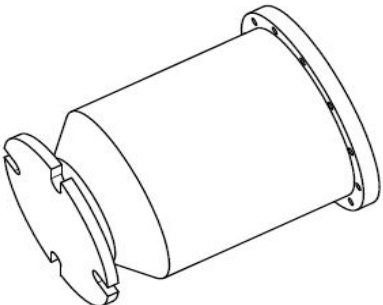
014-0244 Single Crystal Can LARGE



014-0245 Single Crystal Lid LARGE



014-0631 BNL Can



014-1634 BNL Lid



014-0248 Connector Plug



014-0249 BNL Connector Plate

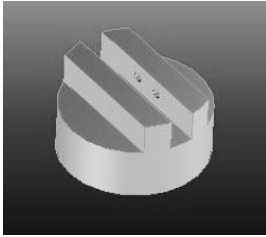


Made from Aluminum
For mounting single crystals

Sample Mounting Accessories

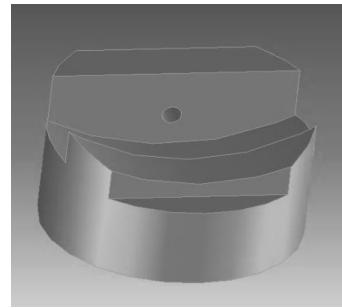
014-0685

film holder



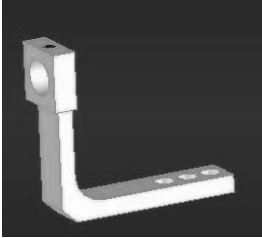
014-1328

sample holder



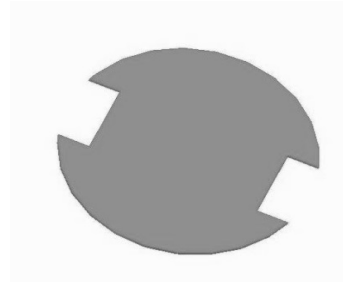
014-0686

L sample holder



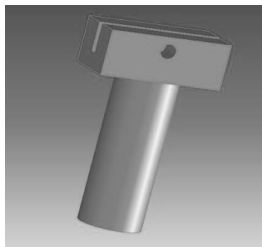
014-1630

disk with notches



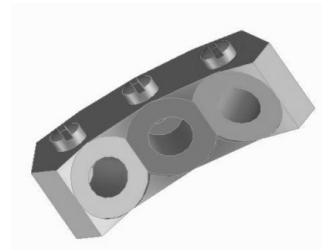
014-1023

0.84" T-post



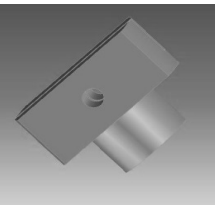
014-1632

rocker



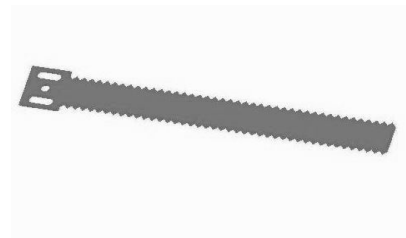
014-1036

0.35" T-post



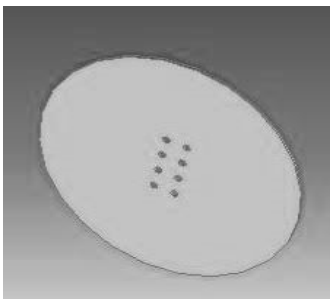
014-1640

saw



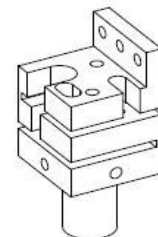
014-1225

disk with holes

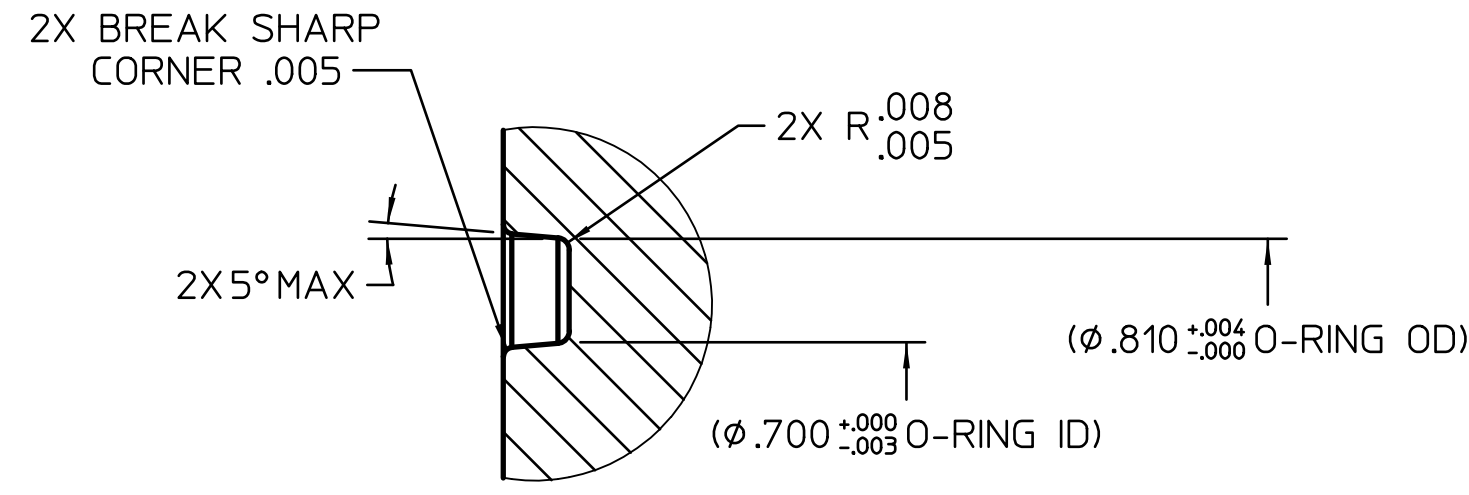
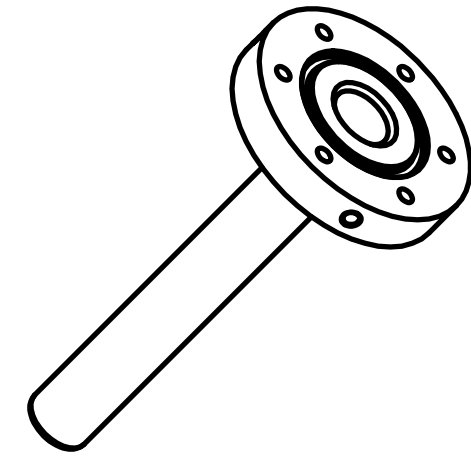


014-1644

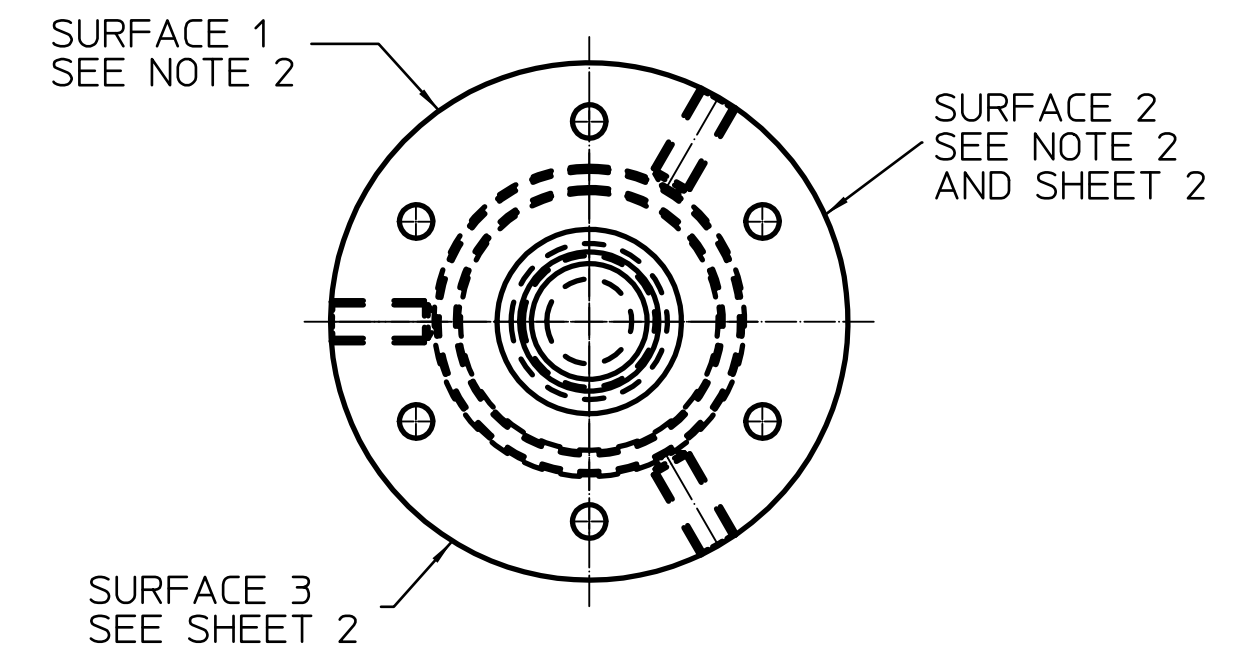
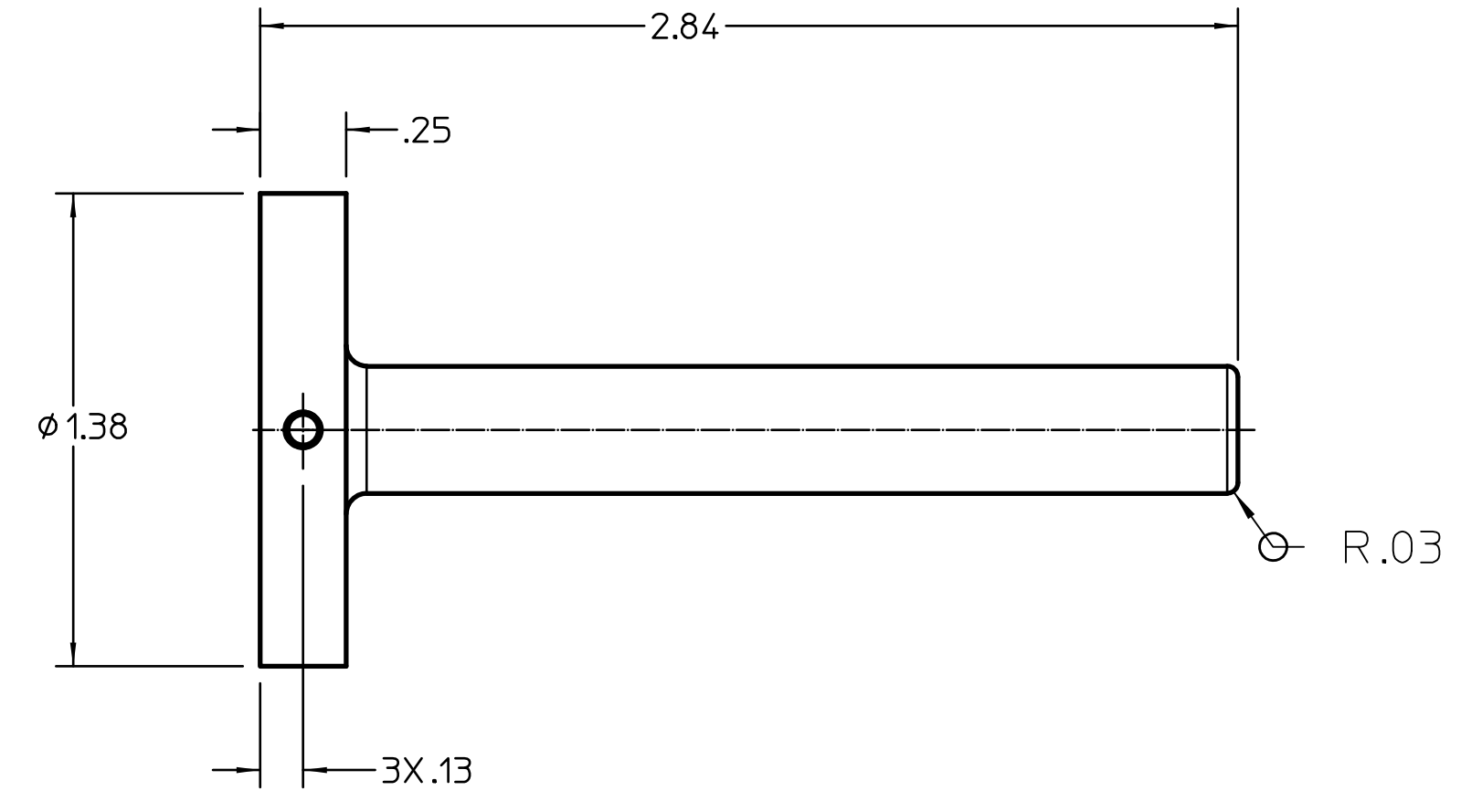
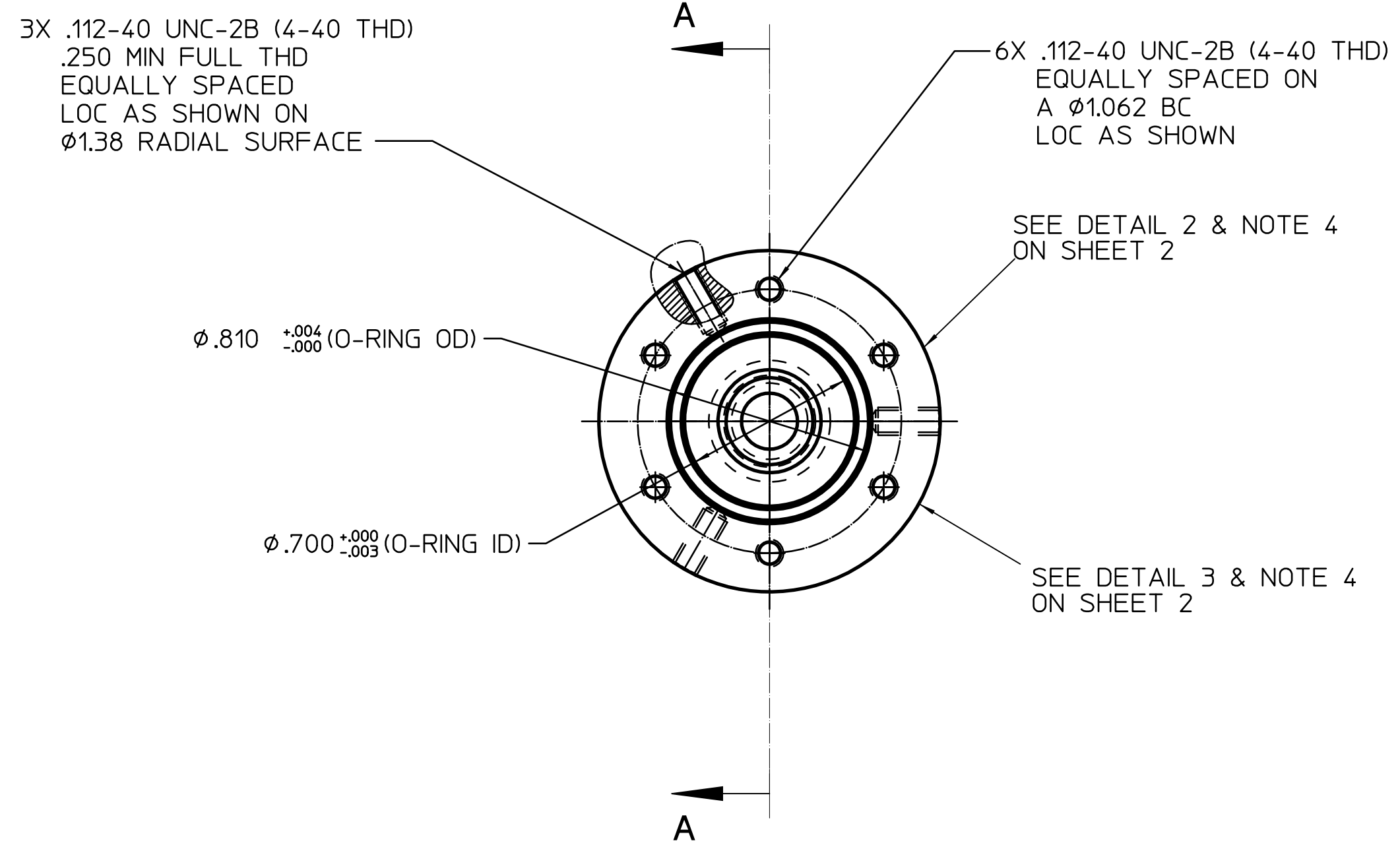
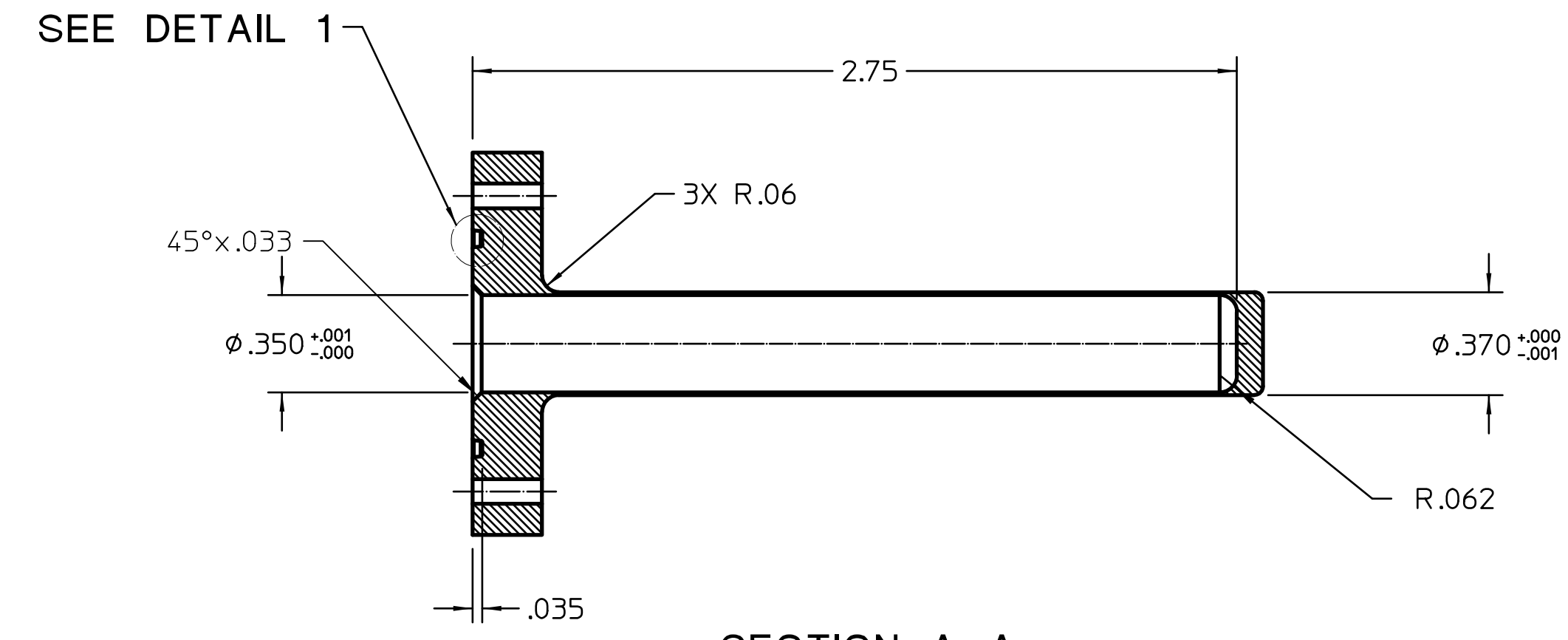
super sample holder PIN



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



DETAIL 1
SCALE 10:1

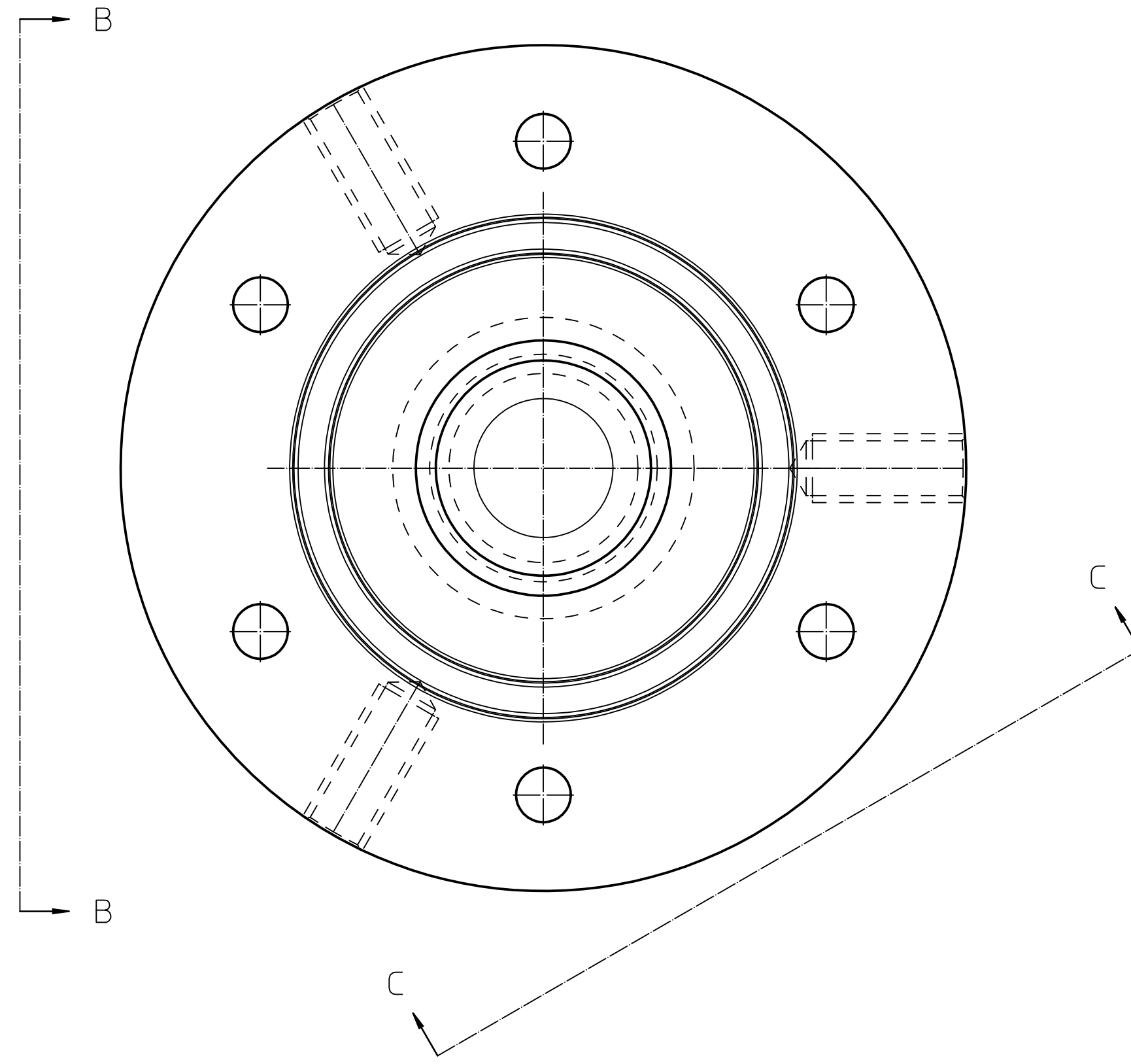
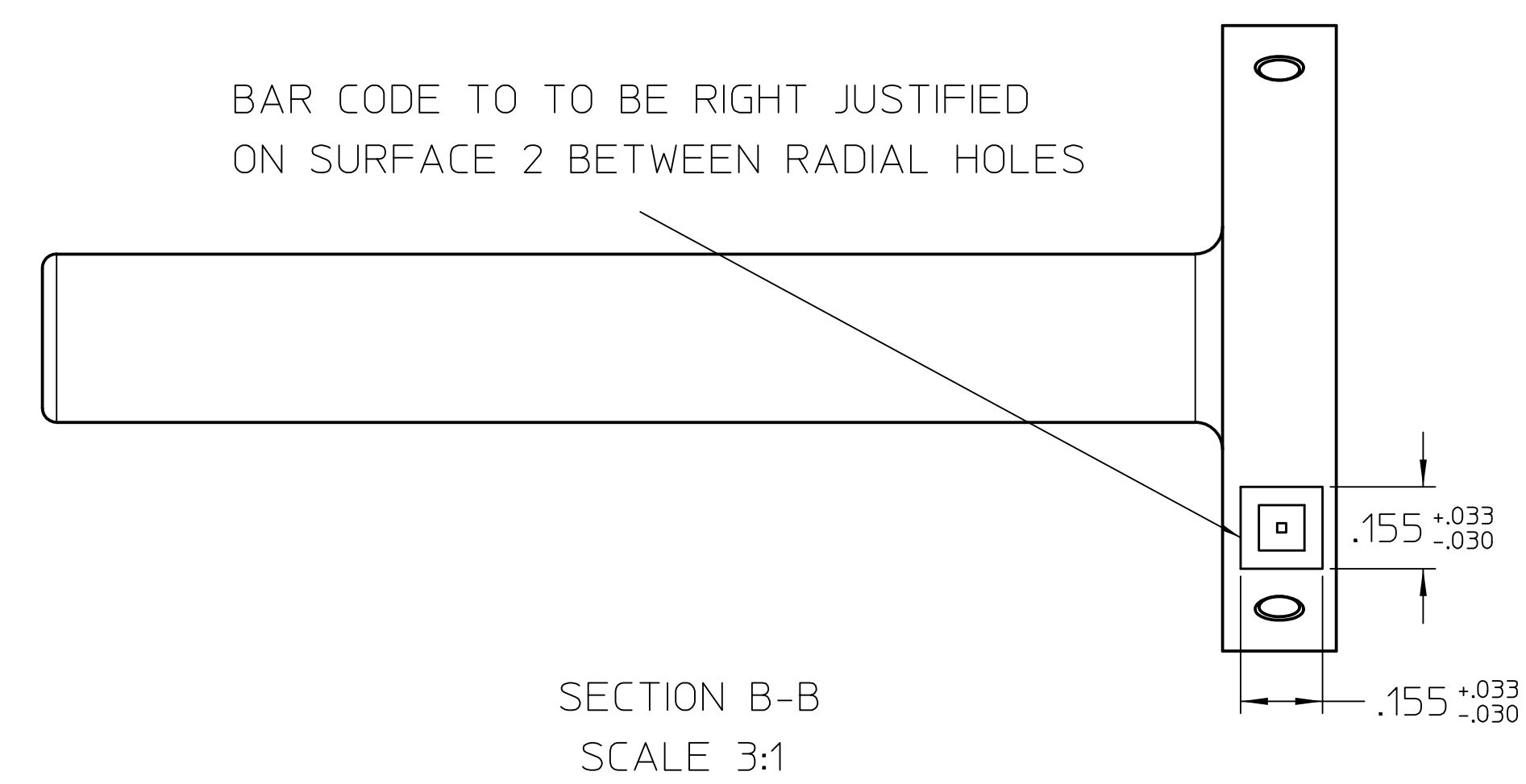


NOTES:

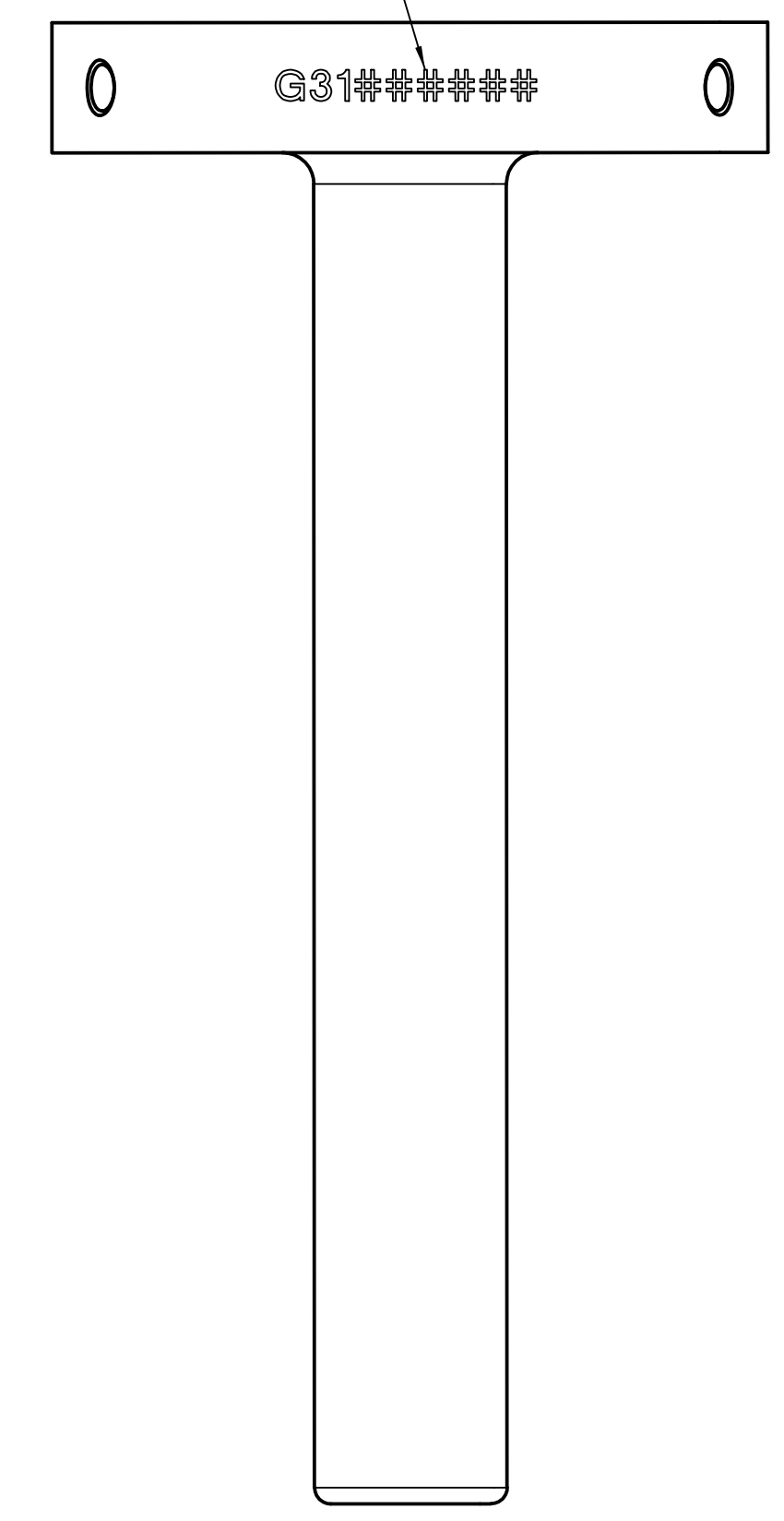
- UNLESS OTHERWISE SPECIFIED BREAK ALL SHARP EDGES .005 - .015
- SCRIBE, SURFACE 1; "014-1262" CENTERED BETWEEN RADIAL HOLES
SURFACE 2; "3.1cc" (APPROX VOLUME) LEFT JUSTIFIED BETWEEN RADIAL HOLES
NOTE 3 NOT APPLICABLE WITHIN THESE AREAS.
- ALL SURFACES ∇ UNLESS OTHERWISE SPECIFIED

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 GAITHERSBURG, MD 20899	
ALUMINUM 6061-T6		ENGR	DATE	DATE		FOR		BODY, SAMPLE CAN (35 ID, 3.1cc)	
BAR, ROUND		ENGR INVR	DATE	DATE		DO NOT SCALE DRAWING		SCALE: 2:1	
MODEL DATA		DRAWING DATA		DATE		ENGINEER		REV	
MODEL NAME: smel_con_body_35_id		STATE: work		DATE: 7/16/14 4:14 PM		Colin Wrenn		014-1262	
CREATOR: colin		DATE: 12/17/12 11:38 AM		SHEETS: 2		PHONE NUMBER: (301) 975-5142		SHEET 1 of 2	
DRAFTER: edk1		DATE: 7/16/14 4:14 PM		SHEETS: 2		EMAIL ADDRESS: colin.wrenn@nist.gov		DIM. & TOL. PER ANSI Y14.5M-1982	
LAST UPDATE BY: colin		DATE: 12/11/14 2:37 PM		SHEETS: 2		ACT. WT.		ACT. WT.	

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%

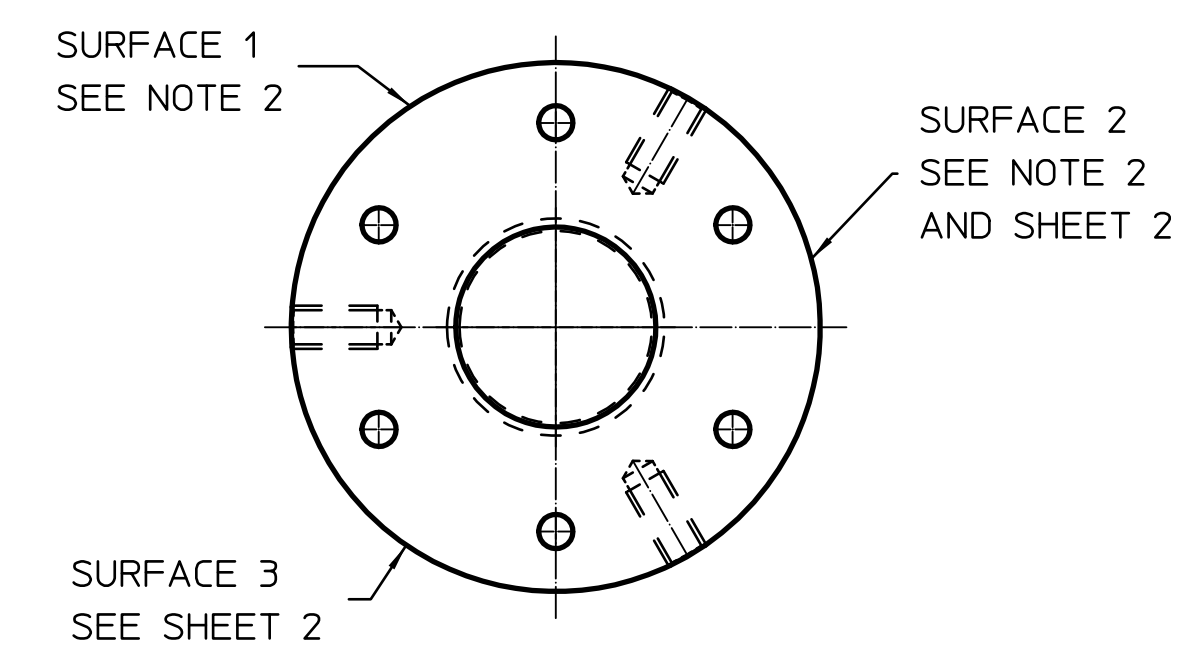
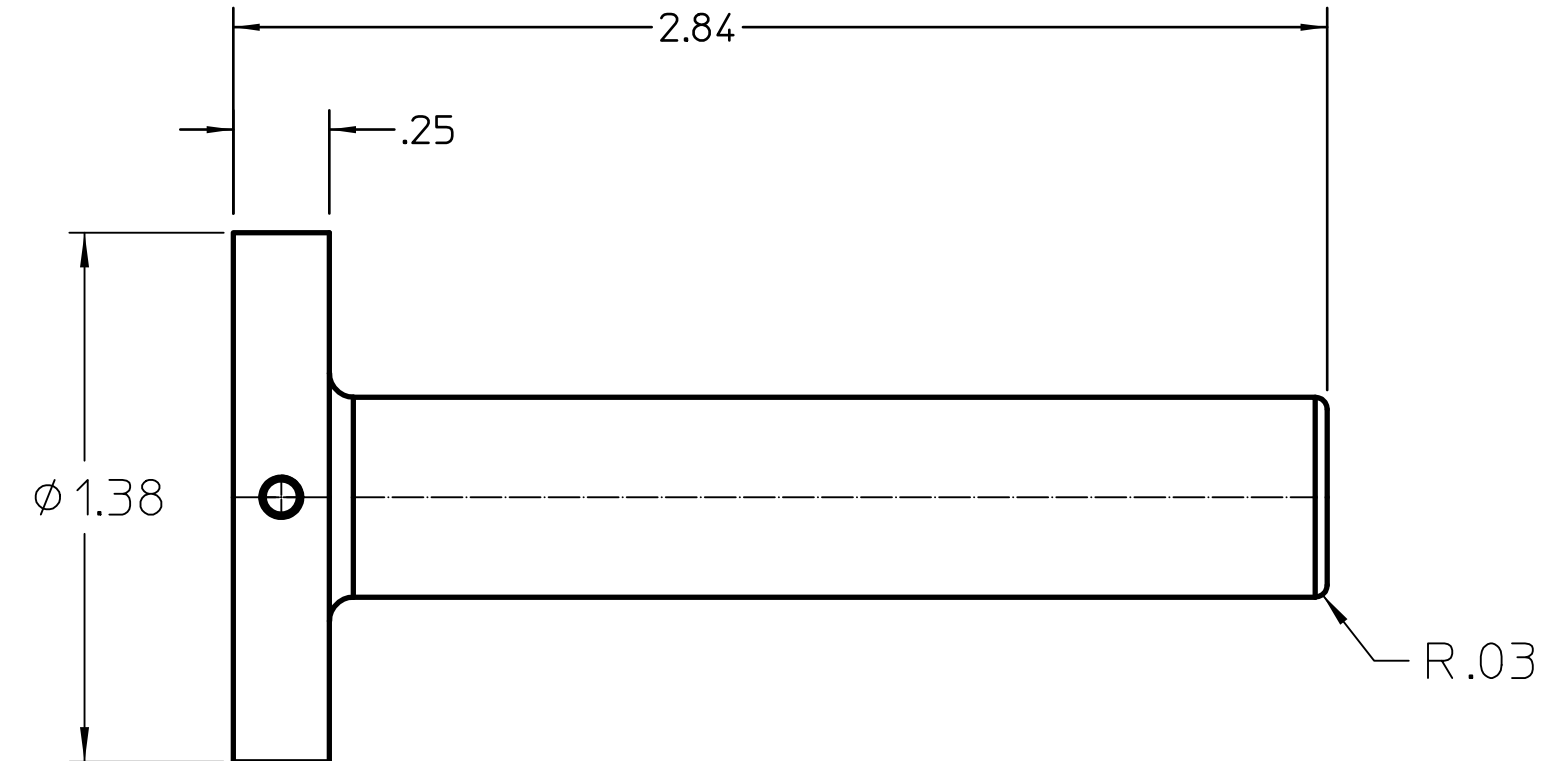
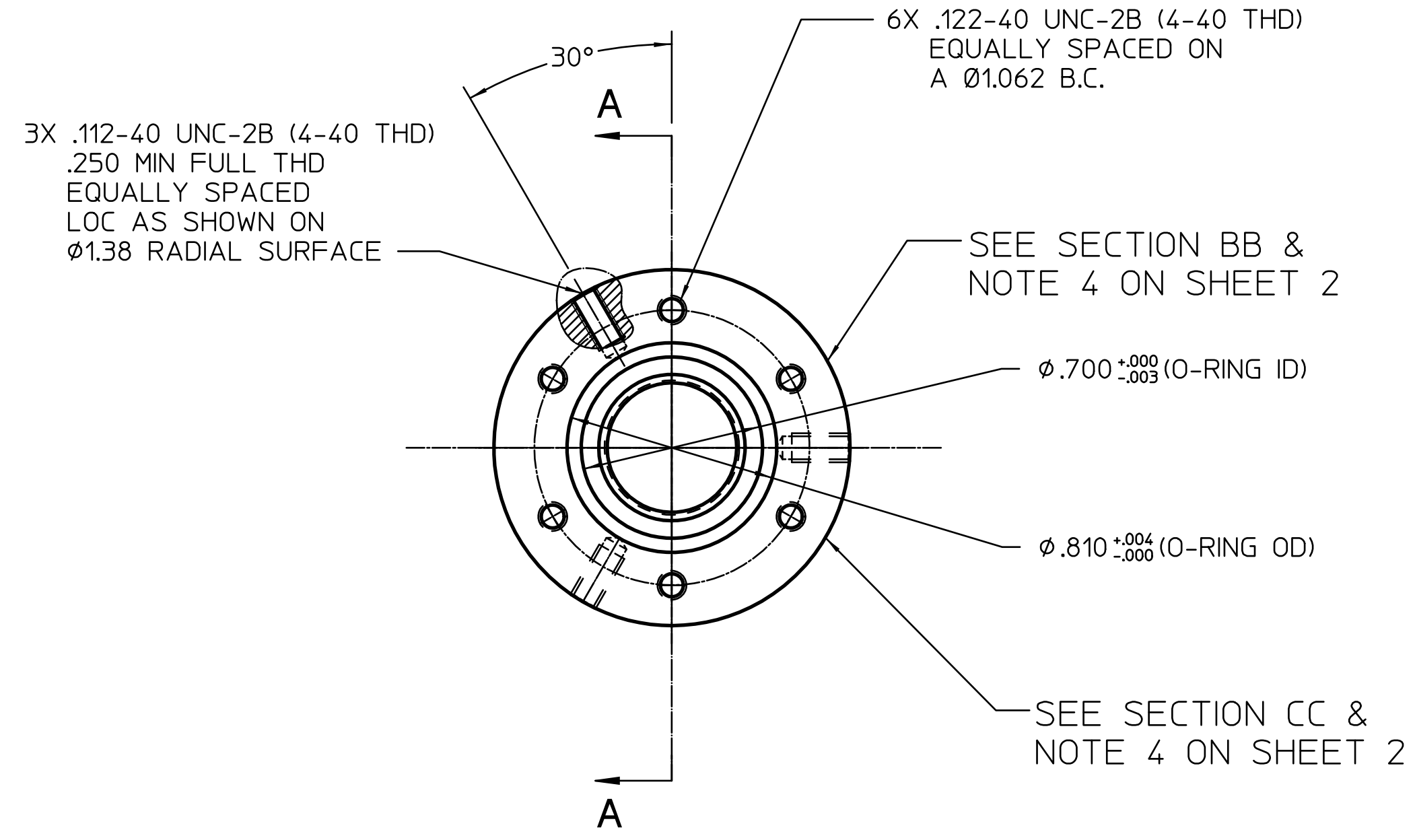
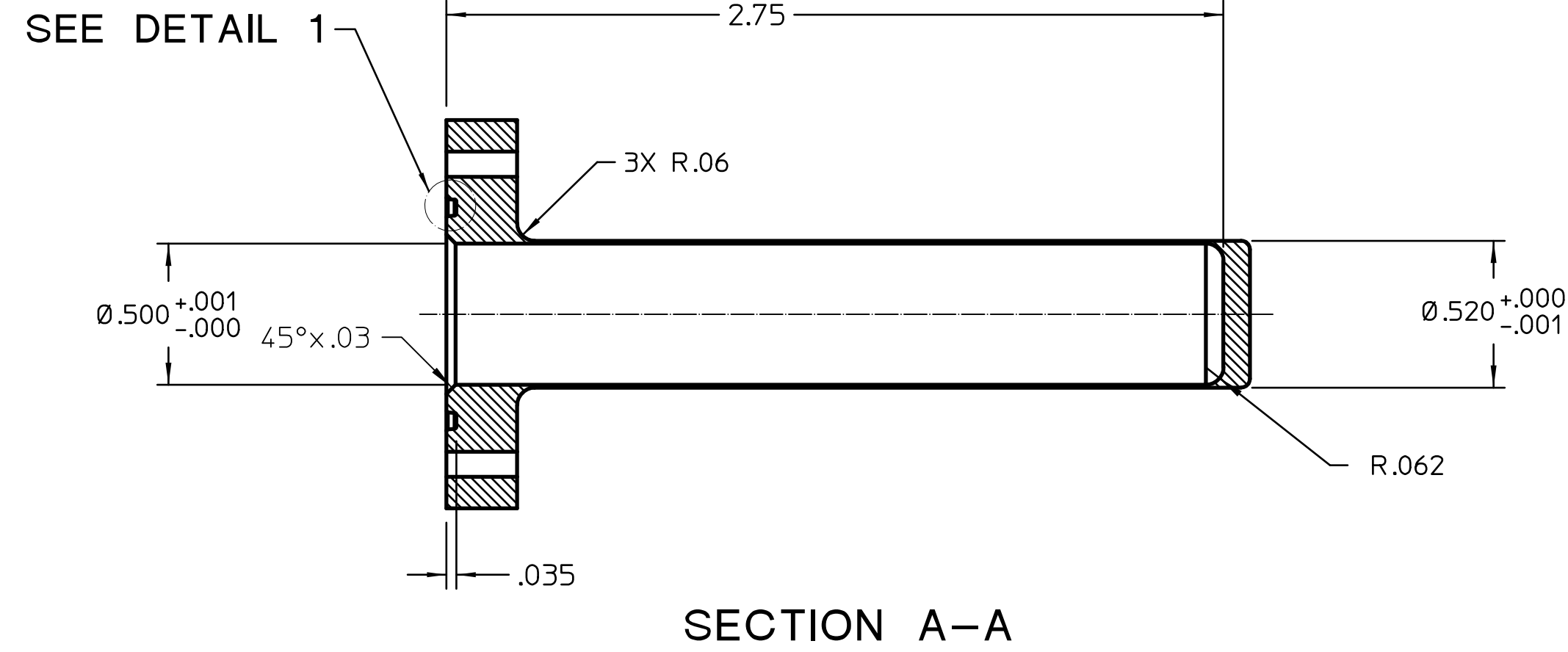
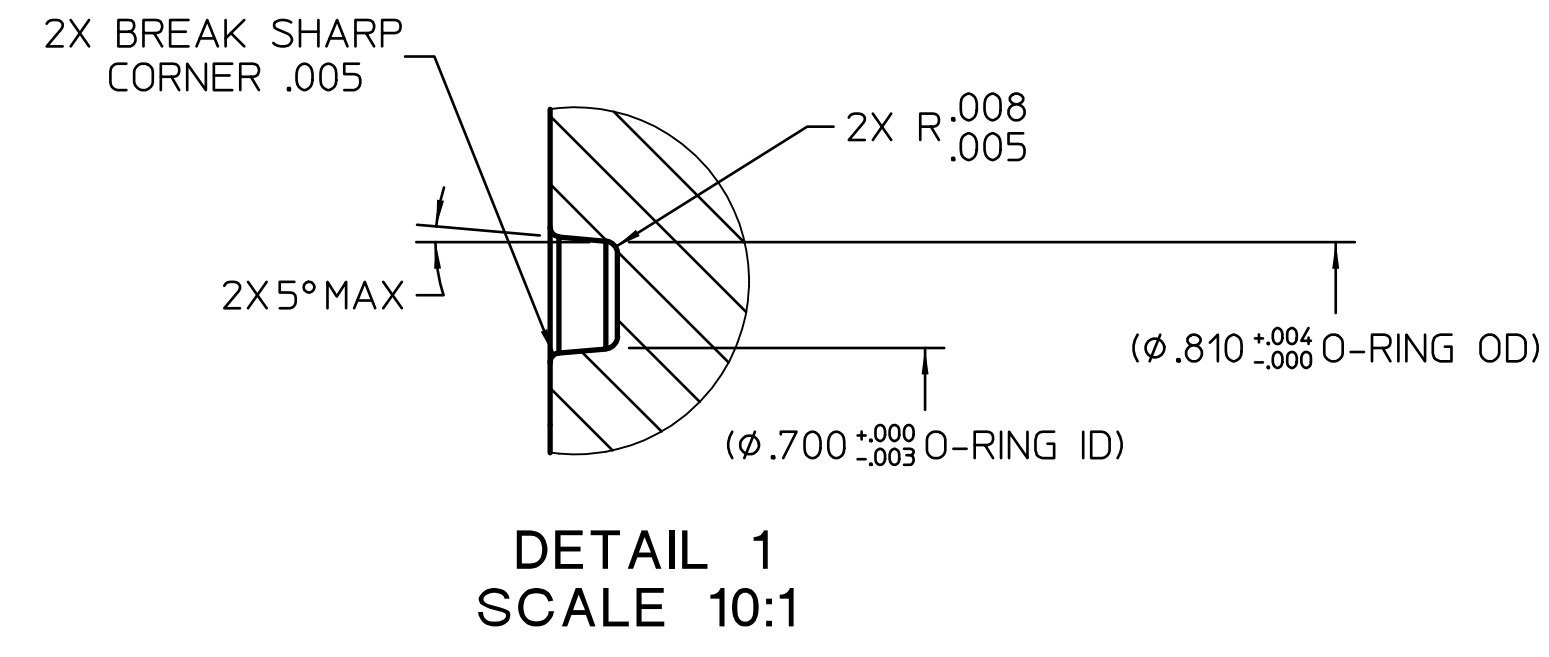
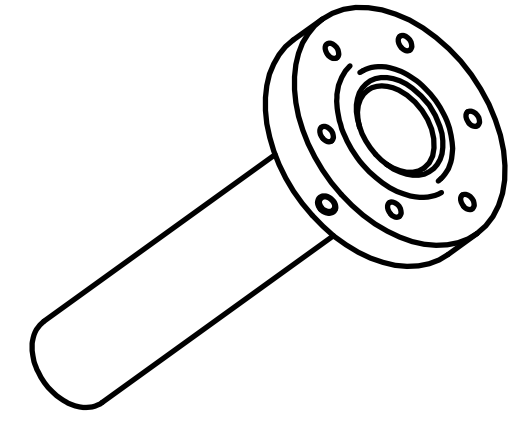
LASER SETTINGS FOR ALL MARKS TO BE

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		CENTER FOR NEUTRON RESEARCH	
ALUMINUM 6061-T6		ENGR		TOLERANCES ARE:		National Institute of Standards and Technology		100 BUREAU DRIVE	
BAR ROUND		DATE		DECIMALS FRACTIONS		U.S. Department of Commerce		GAITHERSBURG, MD. 20899	
MODEL DATA		DRAWING DATA		XXX +.005 +.015		BODY, SAMPLE CAN (35 ID, 3.1cc)		REV	
DATE		DATE		XX .01		DWO No. 014-1262		2	
12/17/12 11:38 AM		7/16/14 4:14 PM		X .1		SCALE 5:1		SHEET 2 of 2	
12/17/12 11:38 AM		7/16/14 4:14 PM		X .1		RELEASE DATE		DIM. & TOL. PER ANSI Y14.5M-1982	
12/17/12 11:38 AM		7/16/14 4:14 PM		X .1		CALC. WT.		ACT. WT.	
12/17/12 11:38 AM		7/16/14 4:14 PM		X .1		DIM. & TOL. PER ANSI Y14.5M-1982			

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



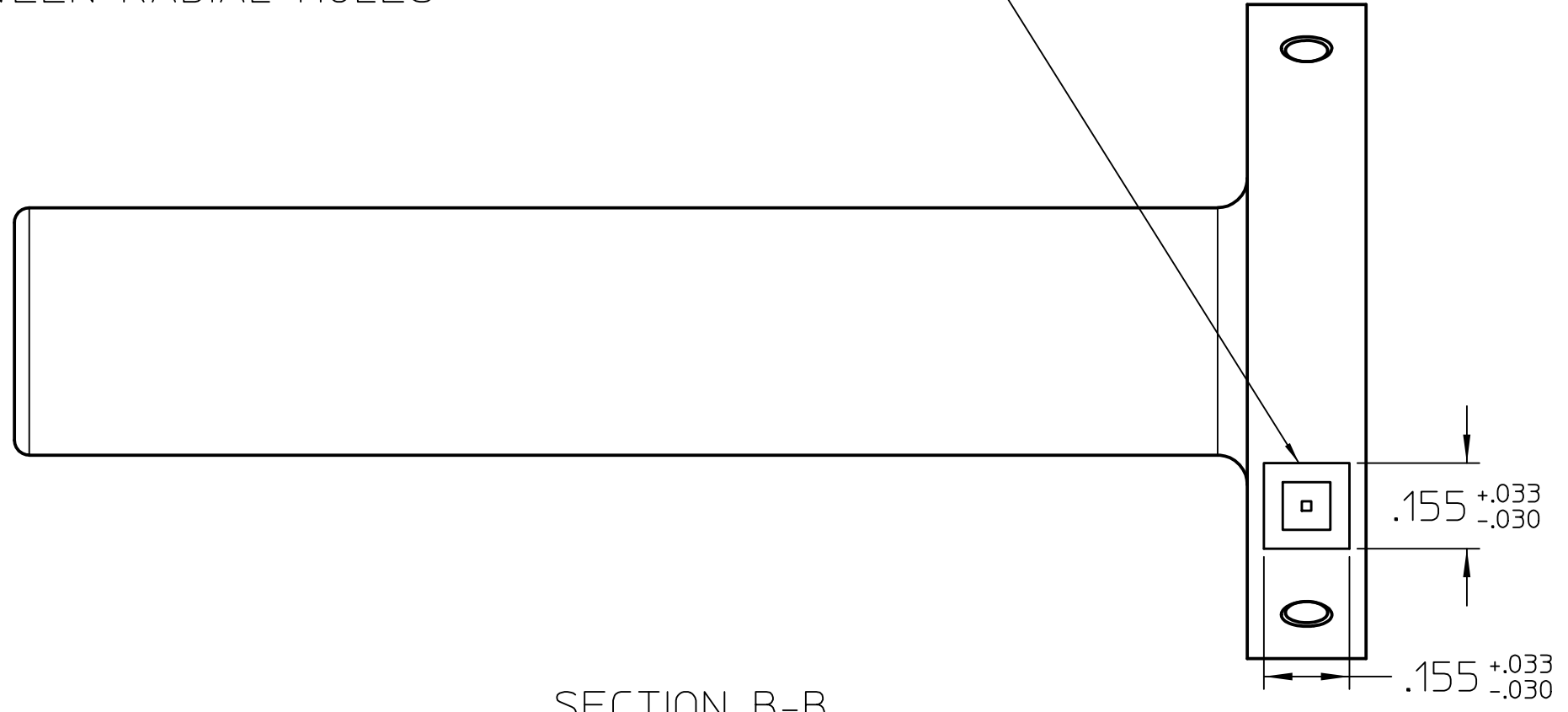
NOTES:

- 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

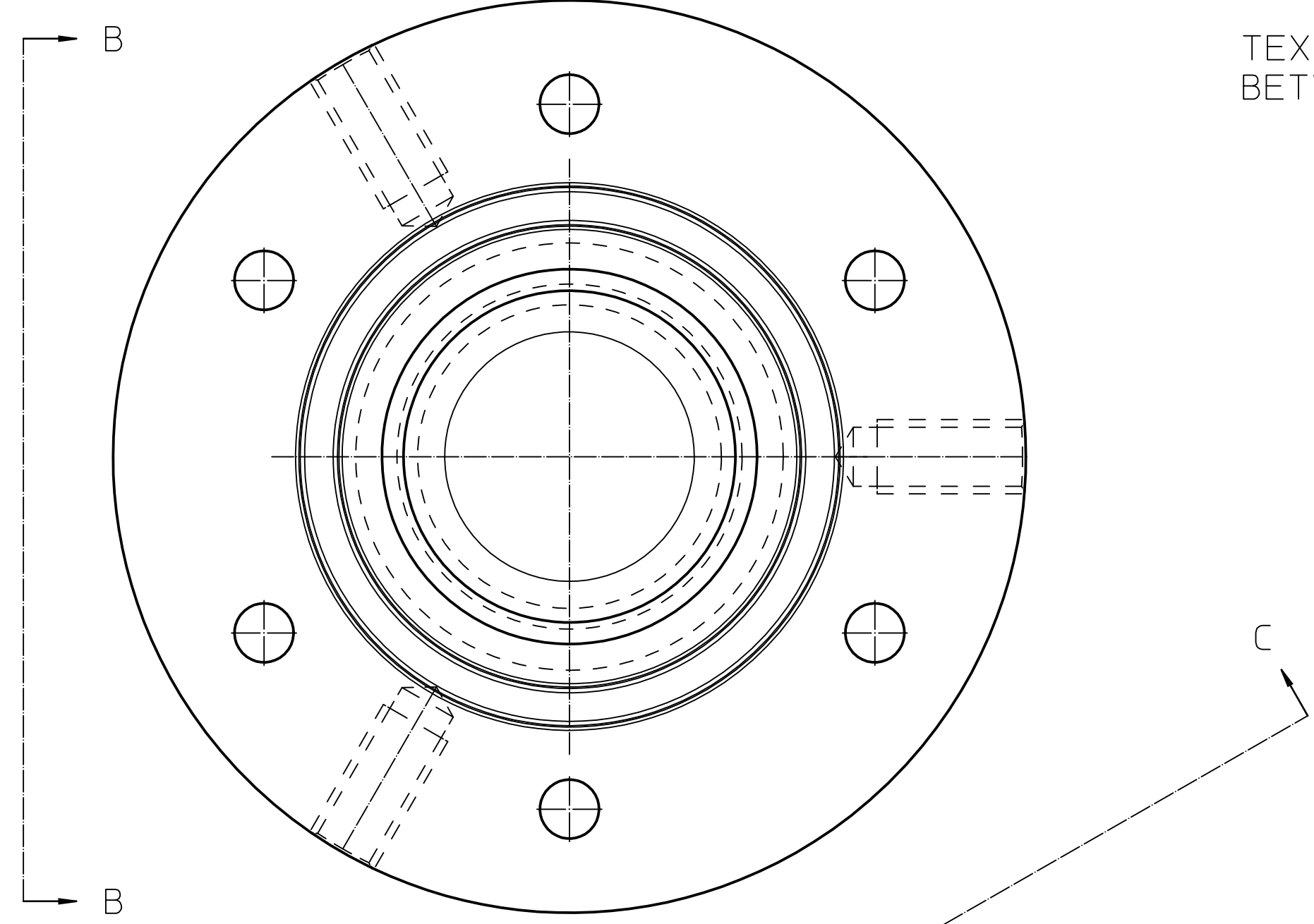
MATERIAL SPECIFICATION		DRAWING APPROVALS		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		NIST		CENTER FOR NEUTRON RESEARCH	
MATERIAL: ALUMINUM, 6061-T6	ENGR	DATE		TOLERANCES ARE:	DECIMALS	FRACTIONS	National Institute of Standards and Technology Technology Administration, U.S. Department of Commerce		
FORM: BAR, ROUND	ENGR INDR	DATE		XXX	+.005	+.015	50 BUREAU DRIVE GAITHERSBURG, MD 20899		
MODEL DATA	DRAWING DATA	DO NOT SCALE DRAWING		XX	+.01		BODY, SAMPLE CAN - (50 ID, 6.33cc)		
MODEL NAME: smpl_can_body_50_id	STATE: work	DATE: 7/16/14 4:06 PM		XX	+.01		THIRD ANGLE PROJECTION		
CREATOR: coin	DATE: 12/17/12 11:56 AM	SHEETS: 2		XX	+.01		SIZE: D	DWG NO: 014-1263	REV: 2
GRAPHER: bsk1	DATE: 7/16/14 4:06 PM	ENGINEER: coin		XX	+.01		SCALE: 2:1	RELEASE DATE:	SHEET: 1 of 2
LAST UPDATE BY: coin	DATE: 12/1/14 2:19 PM	PHONE #:		XX	+.01		CALC. WT.:	ACT. WT.:	DIM. & TOL. PER ANSI Y14.5M-1982

REVISIONS				
No.	ZONE	ECN	CHANGE	DATE
2				

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

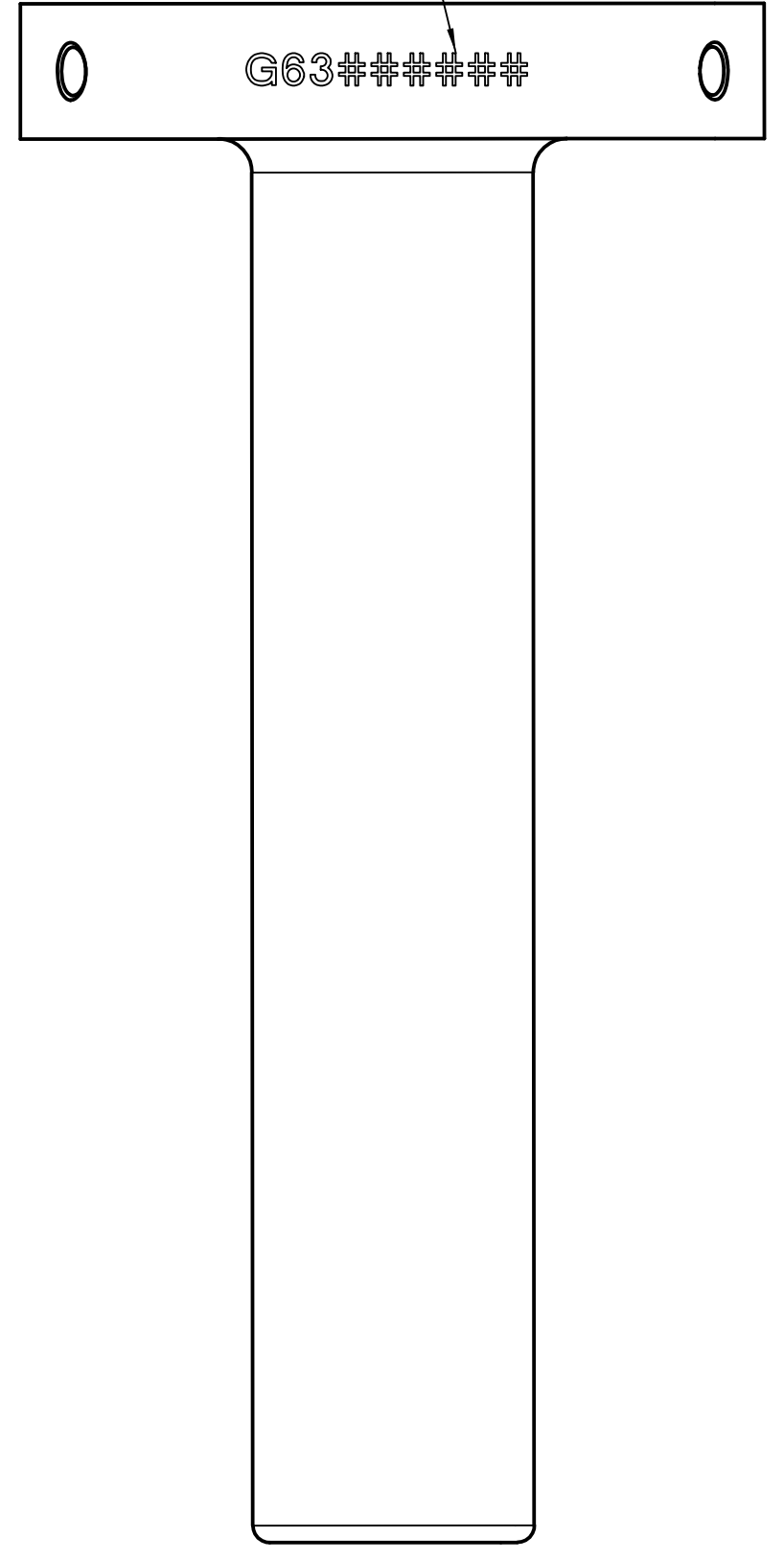


SECTION B-B
SCALE 3:1



FRONT1

TEXT TO BE CENTERED ON SURFACE 3 BETWEEN RADIAL HOLES

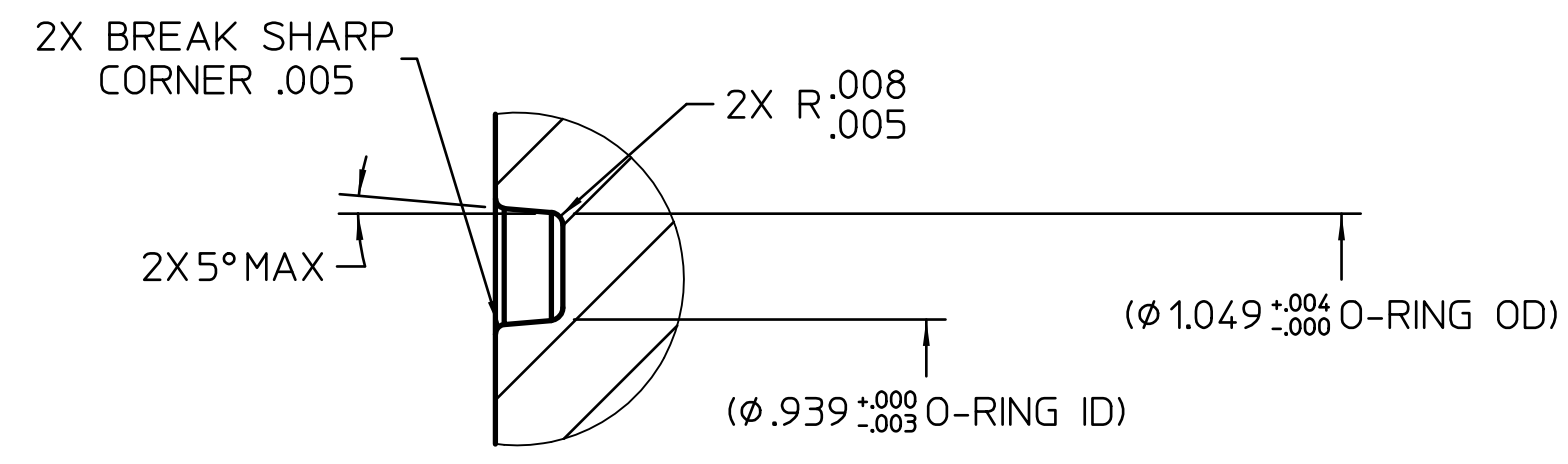
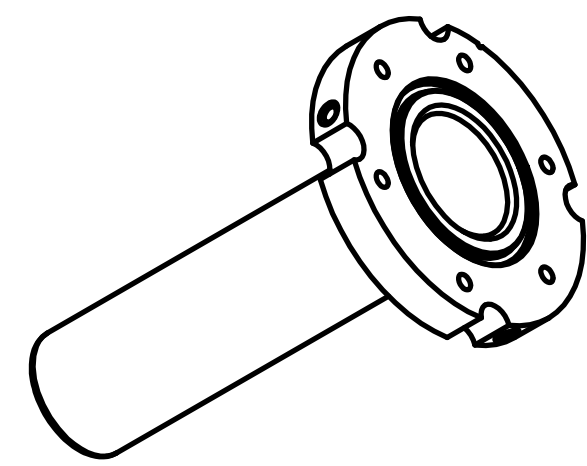


SECTION C-C
SCALE 3:1

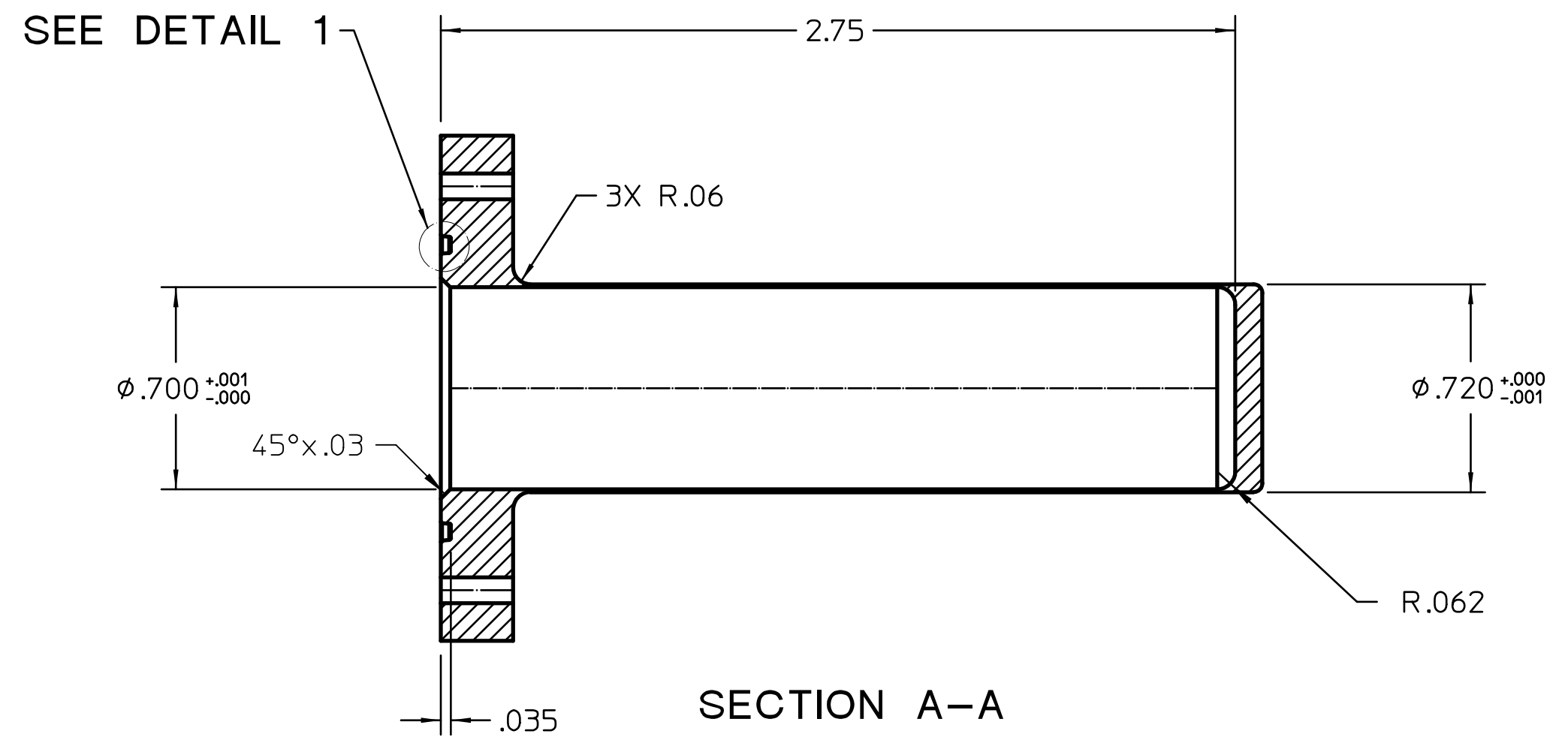
NOTES:
 4. INSTRUCTION FOR LASER MARKING:
 A) HANDLE PART WITH CARE. DO NOT MAR, SCRATCH, DENT, OR OTHERWISE DAMAGE SEALING SURFACES. MANUFACTURED FINISH TO BE MAINTAINED.
 B) PARTS TO BE INDIVIDUALLY PACKAGED IN A MANNER TO PREVENT DAMAGE DUE TO NORMAL SHIPPING AND HANDLING.
 C) LASER MARKING TO BE 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		CENTER FOR NEUTRON RESEARCH	
WATER	ALUMINUM 6061-T6	ENGR	DATE	TOLERANCES ARE:	DECIMALS	FRACTIONS	National Institute of Standards and Technology		100 BUREAU DRIVE
PERF	BAR, ROUND	ENGR INVR	DATE	XXX	+.005	4.015	U.S. Department of Commerce		GATHERSBURG, MD. 20899
SIZE				.XX	.431	ANGLES	BODY, SAMPLE CAN - (50 ID, 633cc)		
				X	.4				
MODEL DATA		DRAWING DATA		DO NOT SCALE DRAWING		FOR			
MODEL NAME	smel_con_body_50_d	STATE	DATE	ENGINEER	Colin Wrenn	SCALE	D	DWG No.	014-1263
CREATOR	colin	DATE	7/16/14 4:06 PM	PHONE NUMBER	(301) 975-5142	RELEASE DATE		SHEET	2 of 2
VERSION	2	DATE	7/16/14 4:06 PM	EMAIL ADDRESS	colin.wrenn@nist.gov	CALC. WT.		ACT. WT.	
THIRD ANGLE PROJECTION		LAST UPDATE BY	colin	DATE	12/11/14 2:18 PM	DIM. & TOL. PER ANSI Y14.5M-1982			

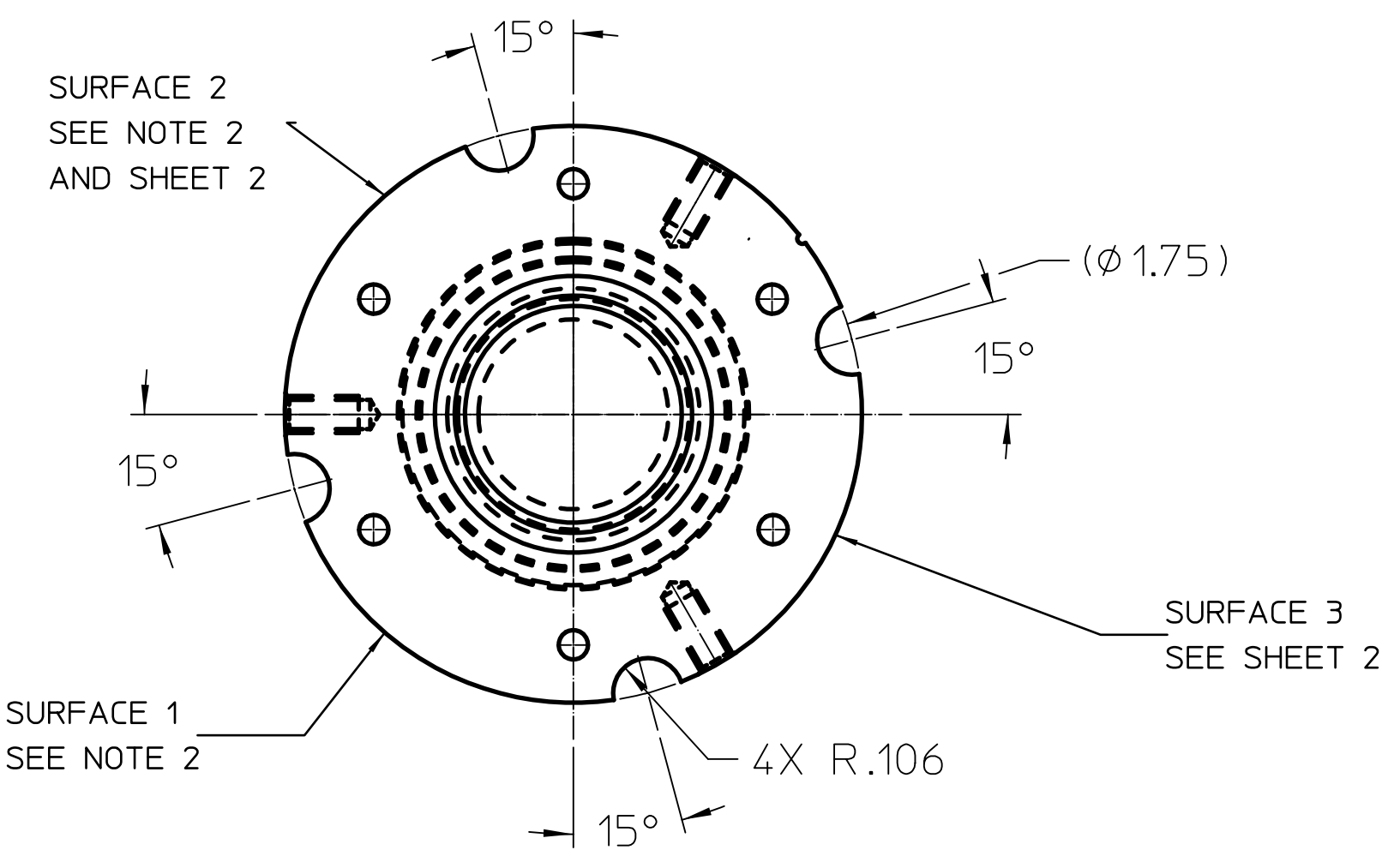
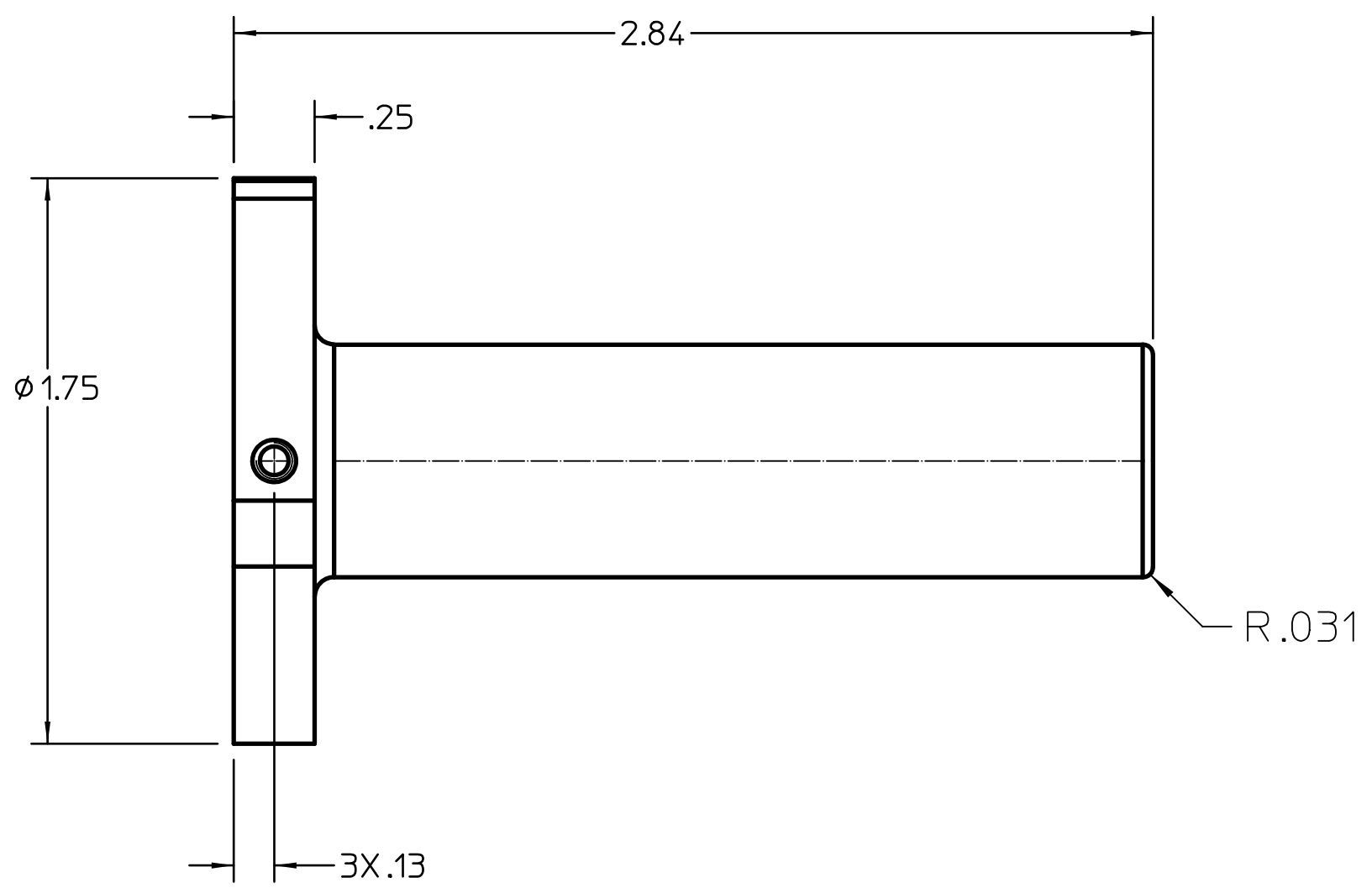
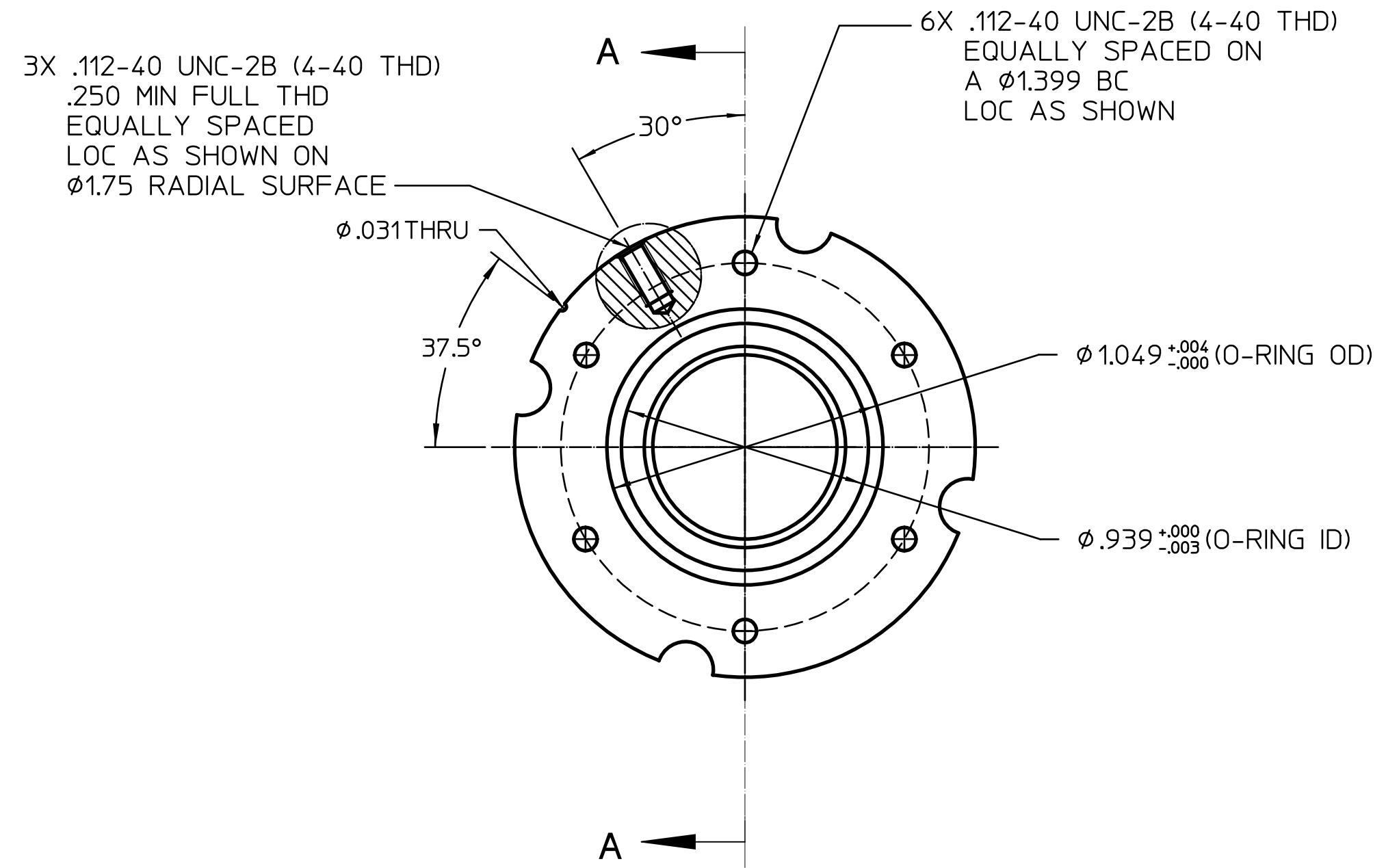
REVISIONS				
No.	ZONE	ECN	CHANGE	DATE
3	B4		ADDED RADIAL FEATURE ON OD	1/20/15
2	A4		CHANGED NOTE 2, ADDED SHEET 2	7/16/14



DETAIL 1
SCALE 10:1



SECTION A-A



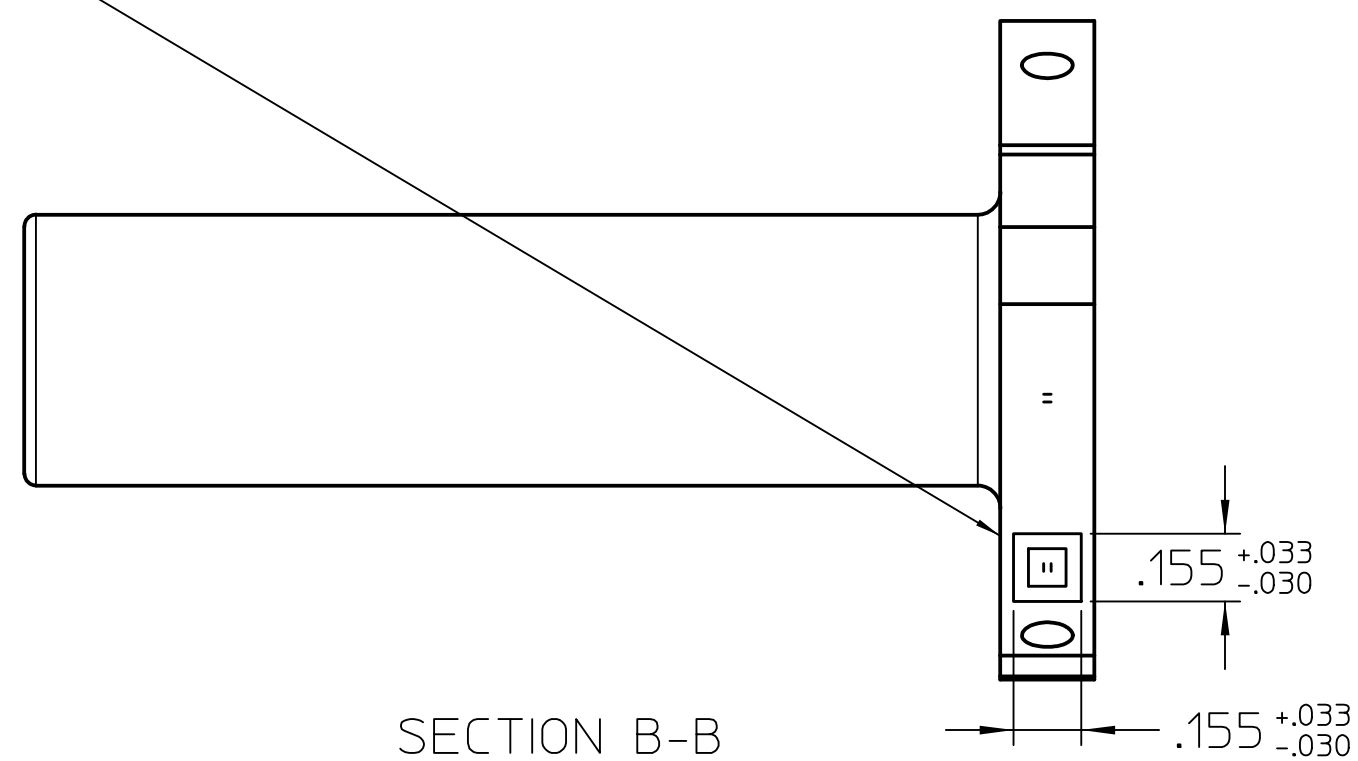
NOTES:

- 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		
FORM: BAR, ROUND	ENGR INDR	DATE	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		50 BUREAU DRIVE GAITHERSBURG, MD 20899		
MODEL NAME: smpl_can_body_70_id	STATE	DATE	DATE	DATE	DATE	DATE	SIZE: D	DWG NO: 014-1264	REV: 3
CREATOR: coin	VERSION: 3	SHEETS: 2	DATE: 12/17/12 11:43 AM	DATE: 1/20/15 11:22 AM	DATE: 1/20/15 11:22 AM	DATE: 1/20/15 11:58 AM	SCALE: 2:1	RELEASE DATE:	SHEET: 1 of 2
DRAWER: coin		ENGINEER: coin	PHONE #:	CALC. WT.:	ACT. WT.:	DIM. & TOL. PER ANSI Y14.5M-1982			

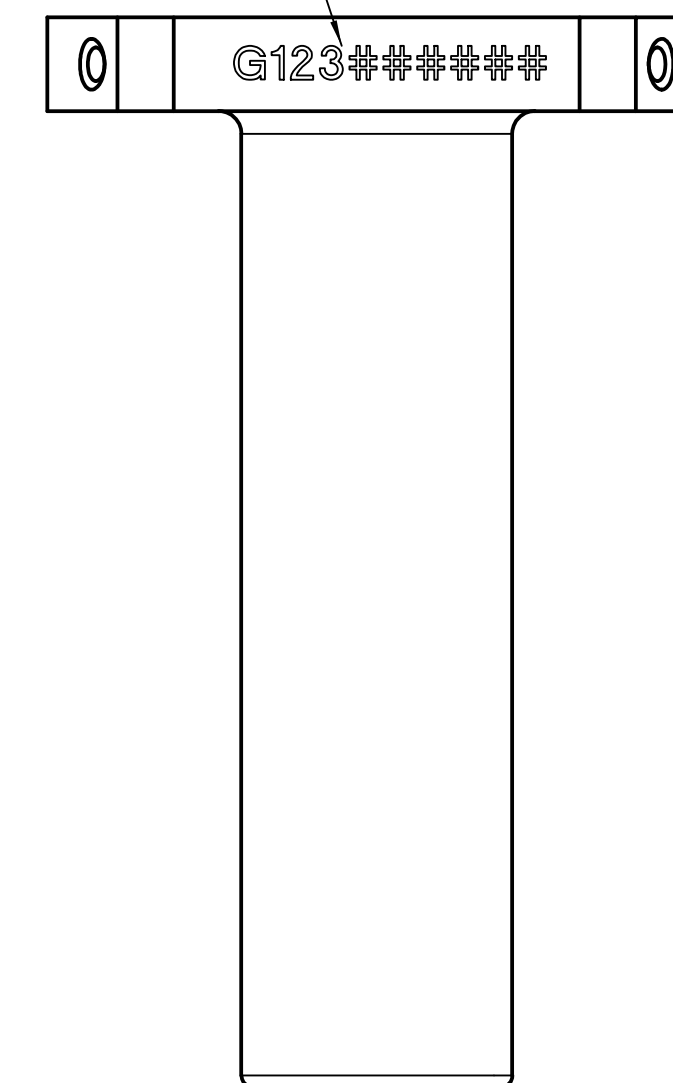
REVISIONS				
No.	ZONE	ECN	CHANGE	DATE
3				

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

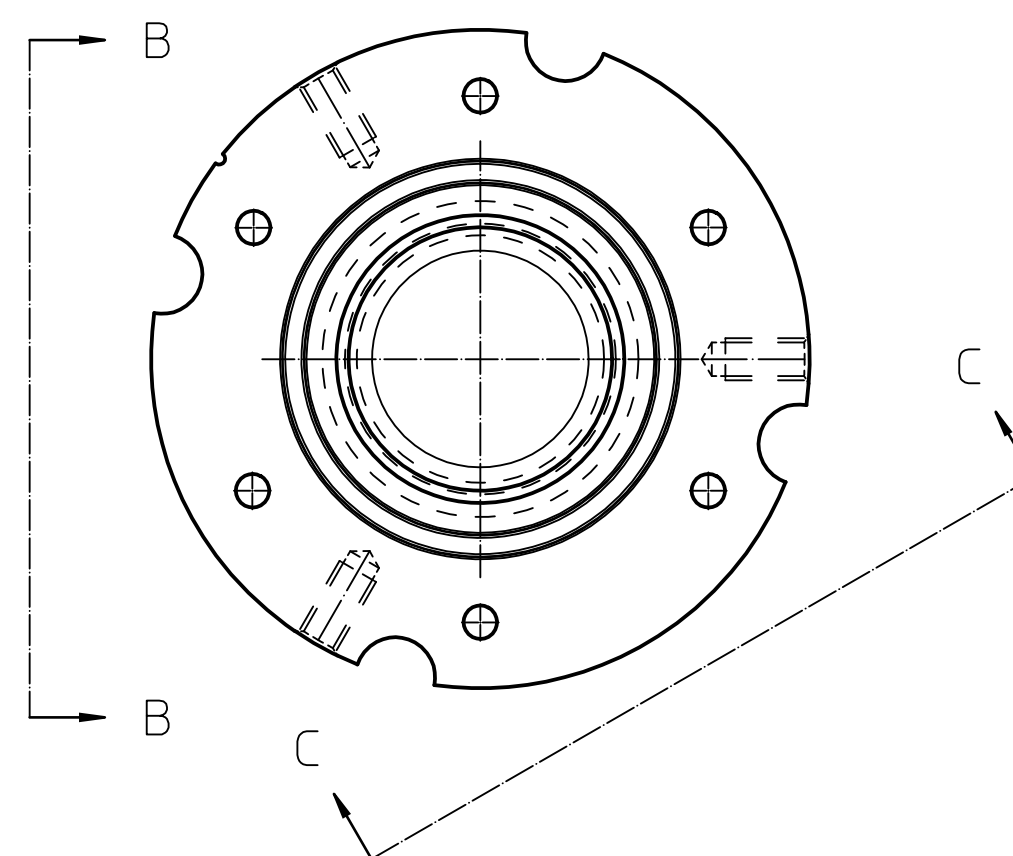


SECTION B-B

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	ENGR		TOLERANCES ARE:	DECIMALS	FRACTIONS	National Institute of Standards and Technology U.S. Department of Commerce				
SIZE	BAR, ROUND	ENGR INGR	DATE	XXX	+.005	4/015	100 BUREAU DRIVE GATHERSBURG, MD. 20899				
MODEL DATA		DATE		.XX	.401	ANGLES	BODY, SAMPLE CAN - (70 ID, 12.3cc)				
MODEL NAME	smel_con_body_70_id	DATE	1/20/15 11:22 AM	X	4.1		DO NOT SCALE DRAWING				
CREATOR	colin	DATE	12/17/12 11:43 AM	DO NOT SCALE DRAWING			FOR				
VERSION	3	DATE	1/20/15 11:22 AM	ENGINEER	Colin Wrenn	SIZE	D	DWG No.	014-1264	REV	3
DRAWN	colin	DATE	1/20/15 11:22 AM	PHONE NUMBER	(301) 975-5142	SCALE	2:1	RELEASE DATE		SHEET	2 of 2
LAST UPDATE BY	colin	DATE	1/20/15 11:58 AM	EMAIL ADDRESS	colin.wrenn@nist.gov	CALC. WT.		ACT. WT.		DIM. & TOL. PER ANSI Y14.5M-1982	