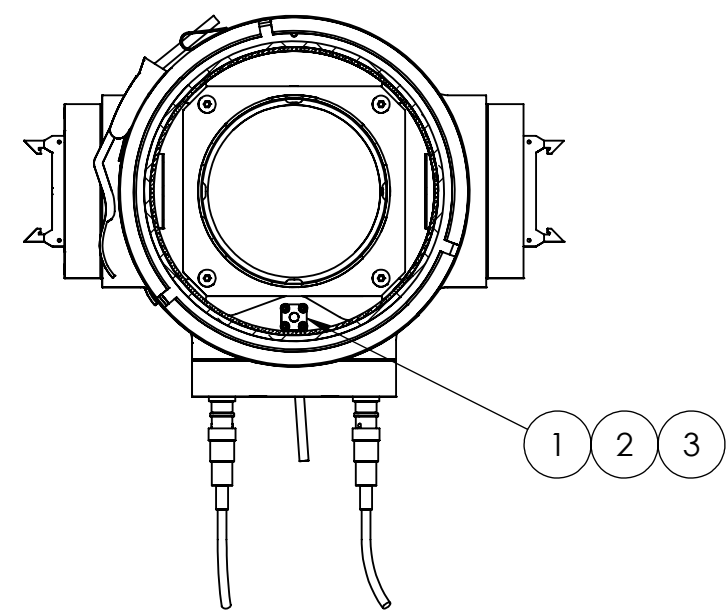
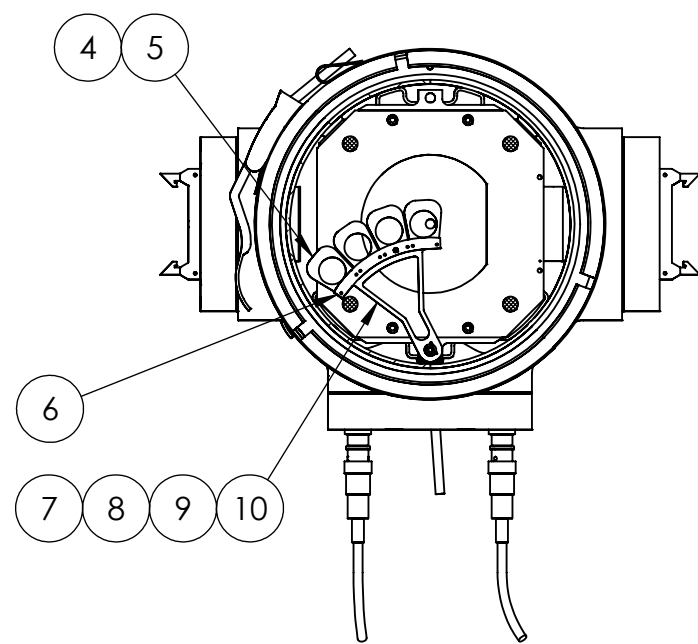


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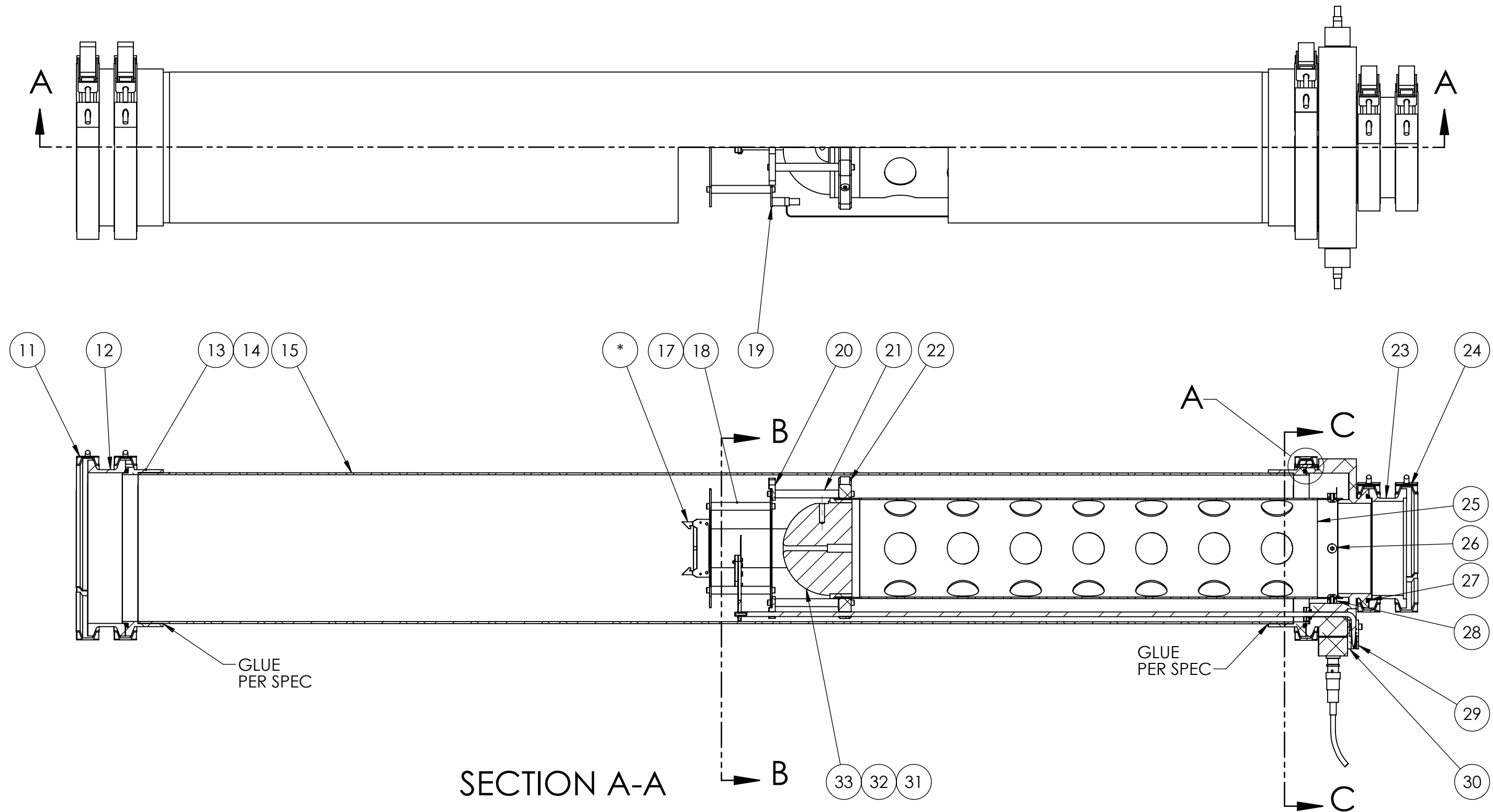
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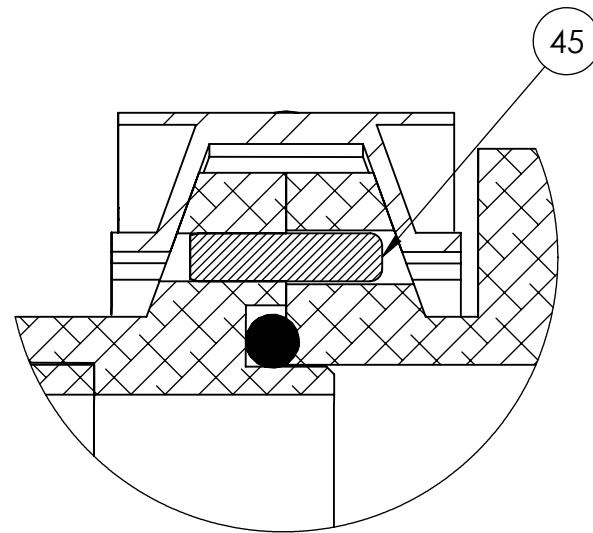
SECTION C-C



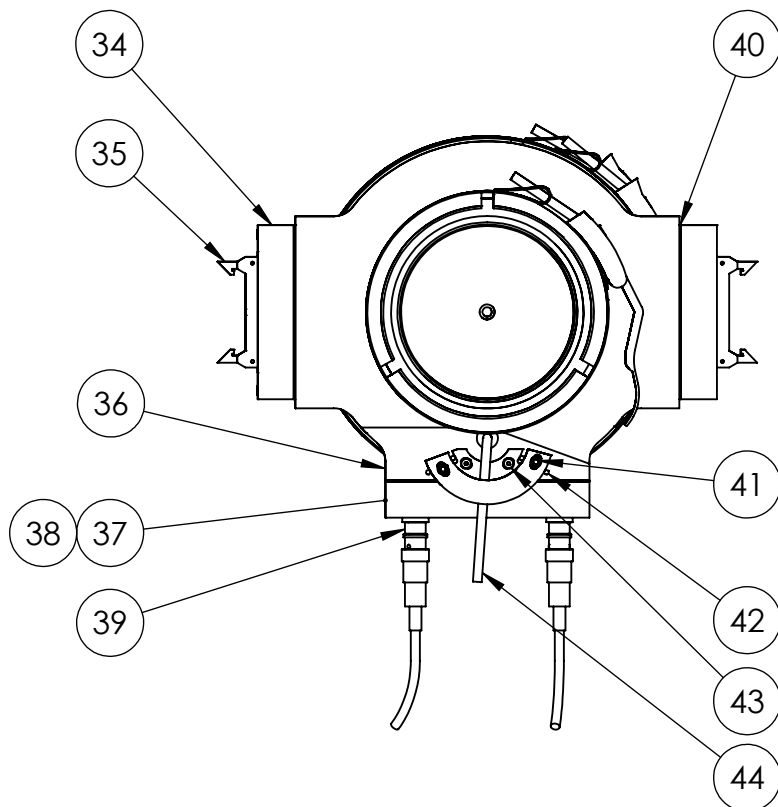
SECTION B-B



SECTION A-A



DETAIL A
SCALE 2 : 1



Parts List						
ITEM NO.	QTY	DET_SHT	PART NUMBER	DESCRIPTION	MATERIAL	SIZE
1	1	3	PLUG BASE CAP	PLUG BASE CAP	ALUM	.13 x .53 x .53
2	4	3	.3125" - 18 (1" LONG)	#4 SHCS	SHCS, BRASS	#4-40 x .50 LG
3	1	-	ROD ORING	ROD ORING	PARKER O-RING	106, BUNA
4	9	-	# 0-80x0.25 LG	SHCS	SS	#0-80 x 0.25 LG
5	4	3	TARGET	TARGET	STAINLESS STEEL	.016 x .27 x 1.13
6	1	4	TARGET HOLDER BACK PLATE	TARGET HOLDER BACK PLATE	ALUM	.13 x 1.24 x 2.24
7	1	-	# 3-48x0.375 LG	SHCS	SS	#3-48 x 0.375 LG
8	1	-	#3 NOM WASHER	#3 PLAIN WASHER	BRASS	.250 OD x .109 ID x .020 THK
9	1	-	DWL 0.32x0.25	DWL 0.32x0.25	DOWEL	.031 DIA x .25 LG
10	1	5	TARGET HOLDER	TARGET HOLDER	DELIN	.13 x 2.49 x 2.59
11	3	-	V-BAND CLAMP-7in	V-BAND CLAMP	CLAMPCO	V-07-352-00N-0715-S2
12	1	6	INSULATOR	INSULATOR	DELIN, BLACK	7.00 DIA x 1.50 LG
13	2	6	CLAMP SLEEVE	CLAMP SLEEVE	STAINLESS STEEL	7.00 DIA x 1.50 LG
14	2	-	TUBE FLG ORING	TUBE FLG ORING	PARKER O-RING	258, BUNA
15	1	7	TUBING	TUBING	6063-T1	6.01 OD x 46.00 LG x .083 WALL
16	1	-	PC BOARD ASSY	-	-	-
17	16	-	SHCS M3x0.5 8.0	M3-0.5 x 8mm LG SHCS	SS	M3-0.5 x 8mm LG SHCS
18	4	8	PC BOARD SPACER	PC BOARD SPACER, 2.362 LG	DELIN	.31 DIA x 2.362 LG
19	1	-	PC BOARD ASSY	-	-	-
20	2	-	PC BOARD SUPPORT-GUIDE	PC BOARD SUPPORT-GUIDE	DELIN	.25 x .88 x 3.00
21	4	8	PC BOARD SPACER	PC BOARD SPACER, 2.526 LG	DELIN	.31 DIA x 2.526 LG
22	1	10	COLLIMATOR SUPPORT LARGE	COLLIMATOR SUPPORT LARGE	DELIN	.50 x 4.91 x 5.64
23	1	11	INSULATOR 4in	INSULATOR 4in	DELIN, BLACK	4.75 DIA x 1.50 LG
24	2	-	V-BAND CLAMP	V-BAND CLAMP	CLAMPCO	V-07-352-00N-0490-S2
25	1	12	TUBING- INNER	TUBING- INNER	ALUM	4.00 DIA x 20.22 LG x .062 WALL
26	10	3	#10 -32 UNF x 1/4"	#10 -32 UNF x 1/4" BHCS, BRASS	MCMMASTER CARR	97715A213
27	1	-	O-RING - INLET	O-RING - INLET	PARKER	2-243, VITON
28	1	11	TUBE CLAMP RING	TUBE CLAMP RING	ALUM	.36 x 4.38 x 4.63
29	1	13	ROD LOCK CAP	ROD LOCK CAP	ALUM	.13 x 1.11 x 2.62
30	1	13	ROD LOCK	ROD LOCK	ALUM	.28 x 1.15 x 2.62
31	1	14	COLLIMATOR SLEEVE	COLLIMATOR SLEEVE	DELIN	4.00 DIA x 2.75 LG
32	4	9	#10 -32 UNF x .62"	#10 -32 UNF x 5/8" BHCS, NYLON	NYLON	-
33	1	14	COLLIMATOR 01	COLLIMATOR	HEAVIMET	4.00 DIA x 2.75 LG
34	2	15	PLUG MOUNT	PLUG MOUNT	ALUM	.75 x 1.00 x 3.63
35	2	-	PLUG	PLUG	YAMAICHI	NFP-64A-012-2-BF
36	1	16	PLUG BASE	PLUG BASE	ALUM	2.50 x 7.06 x 8.00
37	1	15	BNC MOUNT	BNC MOUNT	ALUM	.75 x 1.16 x 4.25
38	1	9	PLUG BASE GASKET	PLUG BASE GASKET	NEOPRENE	.03 x 1.16 x 4.25
39	2	-	SHV-KINGS-1704-1	KINGS SHV CONNECTOR	KINGS	1704-1
40	2	-	PLUG MOUNT GASKET	PLUG MOUNT GASKET	BUNA	.03 x 1.00 x 3.63
41	2	-	HX-SHCS 0.138-32x0.5x0.5-N	SHCS	SS	#6-32 x 0.50 LG
42	4	-	DWL 3-32x0.375	DWL, 0.093 DIA	DWL	.094 DIA x .38 LG
43	2	-	HX-SHCS 0.164-32x0.188x0.188-N	LOW HD SHCS, #6-32 x 0.25 LG	MCMMASTER	93615A210
44	1	17	ROD TARGET	ROD, TARGET	SS	.188 DIA x 28.00 LG
45	1	-	DWL 1-8x0.5	DWL, 0.125 DIA	DWL, SS	.125 DIA x .50 LG

NOTE: DO NOT SCALE DRAWING !
ALL TOLERANCES UNLESS OTHERWISE SPECIFIED ARE

DIMENSIONS ARE IN:
X INCHES [mm] mm [IN]

x.xx [x.x] ± .010 [3]
x.xxxx [x.xxx] ± .005 [.13]
x.xxxxx [x.xxxx] ± .0005 [.013]
xx/xx ± 1/32
x° ± 1°

UNIVERSITY OF ROCHESTER
DEPT. OF PHYSICS AND ASTRONOMY
SIDNEY W. BARNES RESEARCH LABORATORY

TITLE

JANUS DETECTOR

THIRD ANGLE PROJECTION

SCALE 1:4

SHEET 1 OF 17

DRAWN RSF
CHECKED RSF
APPROVED RSF

DATE 3/17/2011
DATE 3/17/2011
DATE -

SIZE DWG NO
D

JANUS

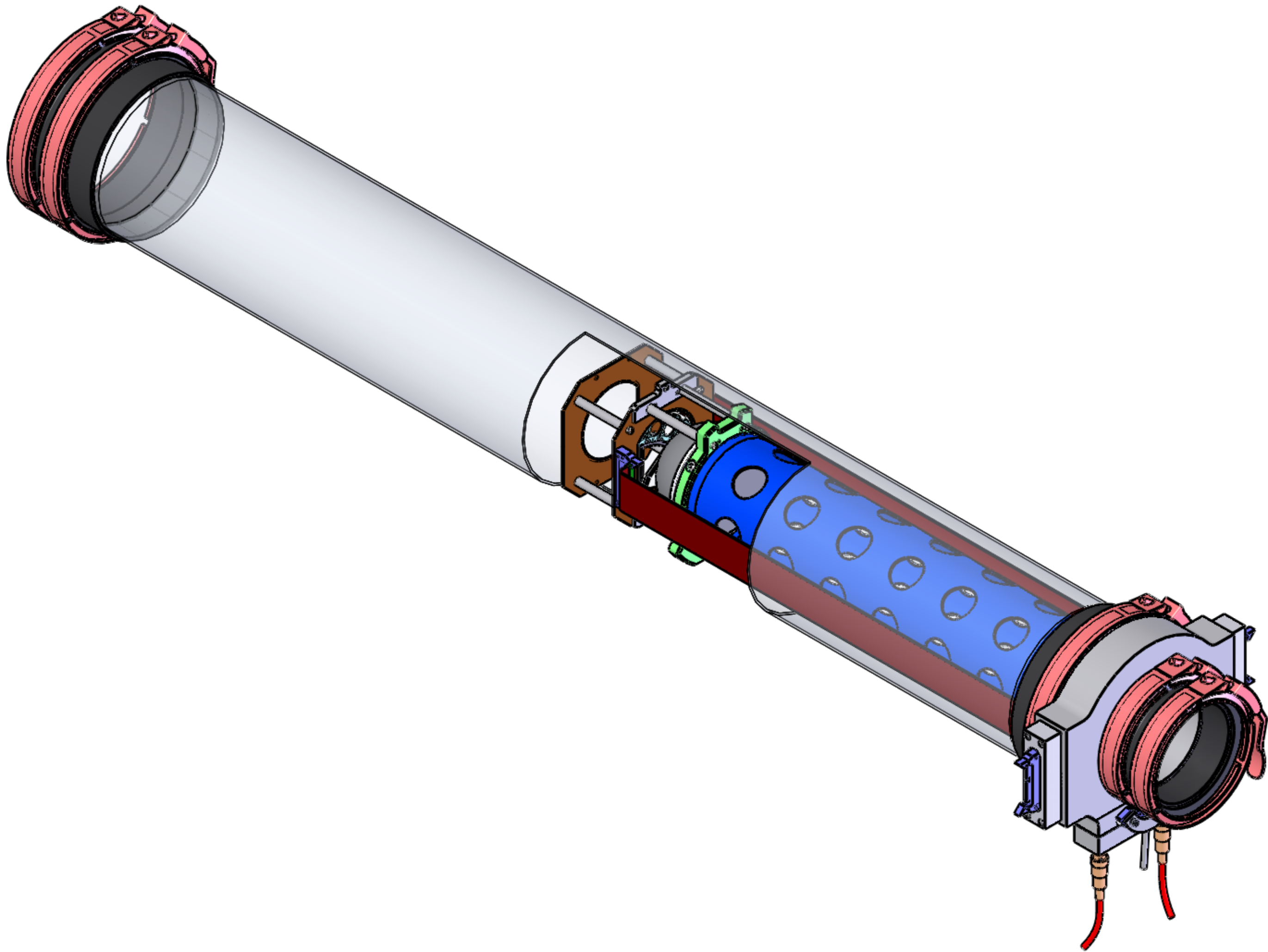
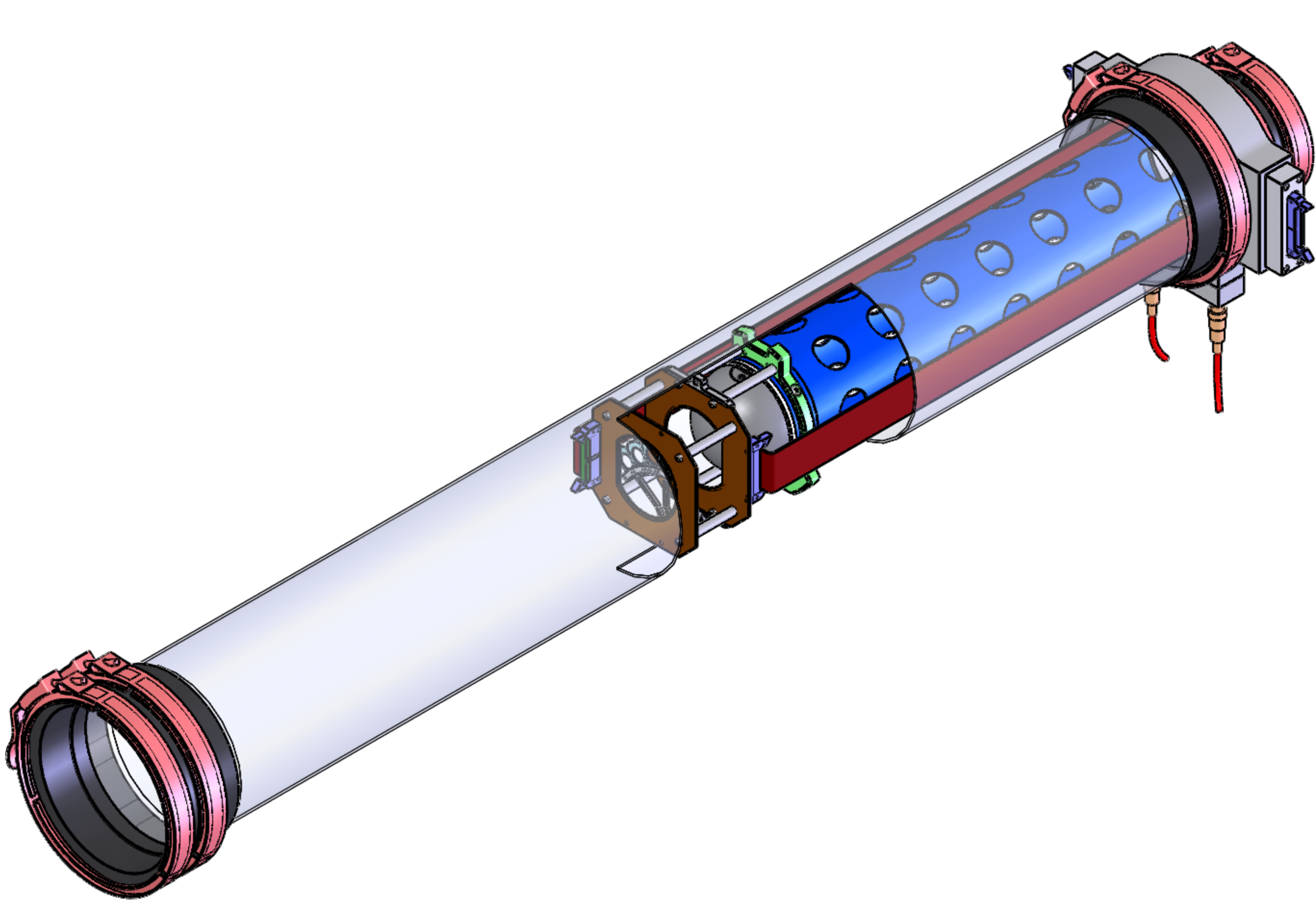
REV -

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WEIGHT: 32.87 LBS

B

A



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OTHERWISE SPECIFIED ARE

DIMENSIONS ARE IN:
[X] INCHES [mm] [] mm [IN]

x.xx [x.x] ± .010 [.3]
x.xxx [x.xxx] ± .005 [.13]
x.xxxx [x.xxxx] ± .0005 [.013]
xx/xx ± 1/32
x° ± 1°

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TITLE

JANUS DETECTOR

THIRD ANGLE PROJECTION

DRAWN	RSF	DATE	3/17/2011
CHECKED	RSF	DATE	3/17/2011
APPROVED	RSF	DATE	-

SIZE	DWG NO	REV
D		-

SCALE	1:3	SHEET	2	OF	17
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WEIGHT: 32.87 LBS

4

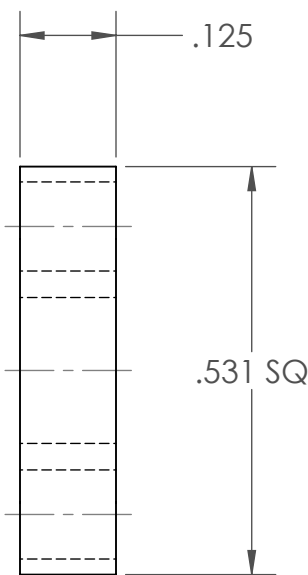
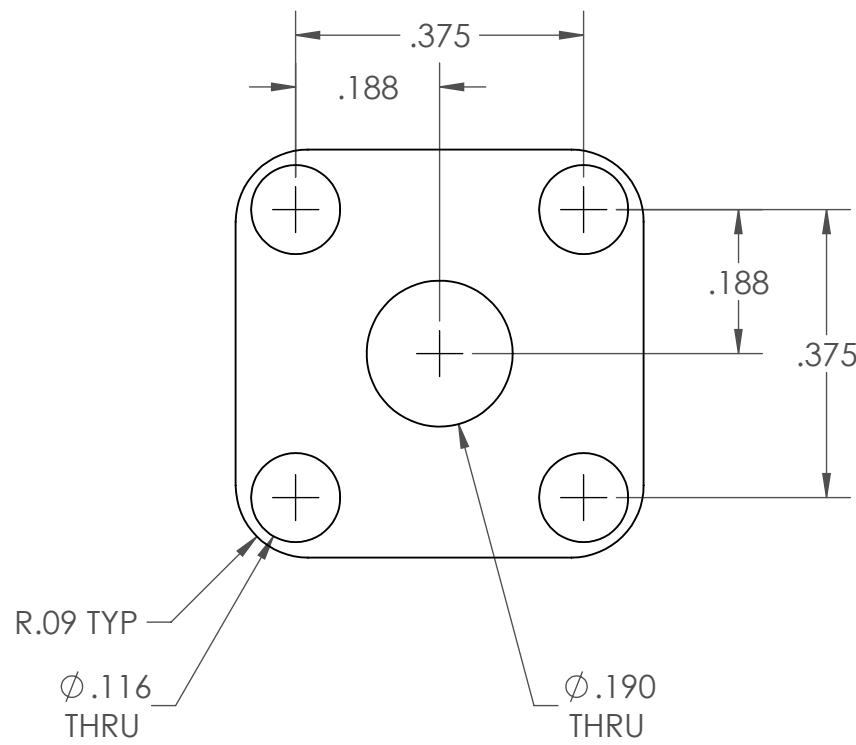
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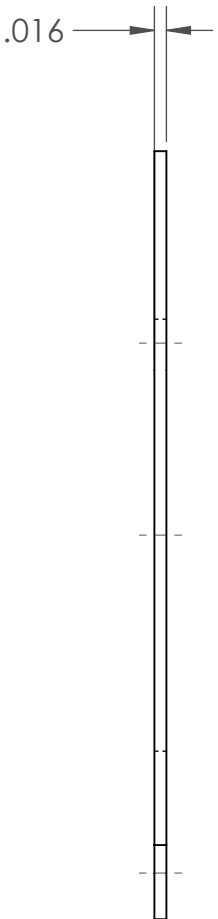
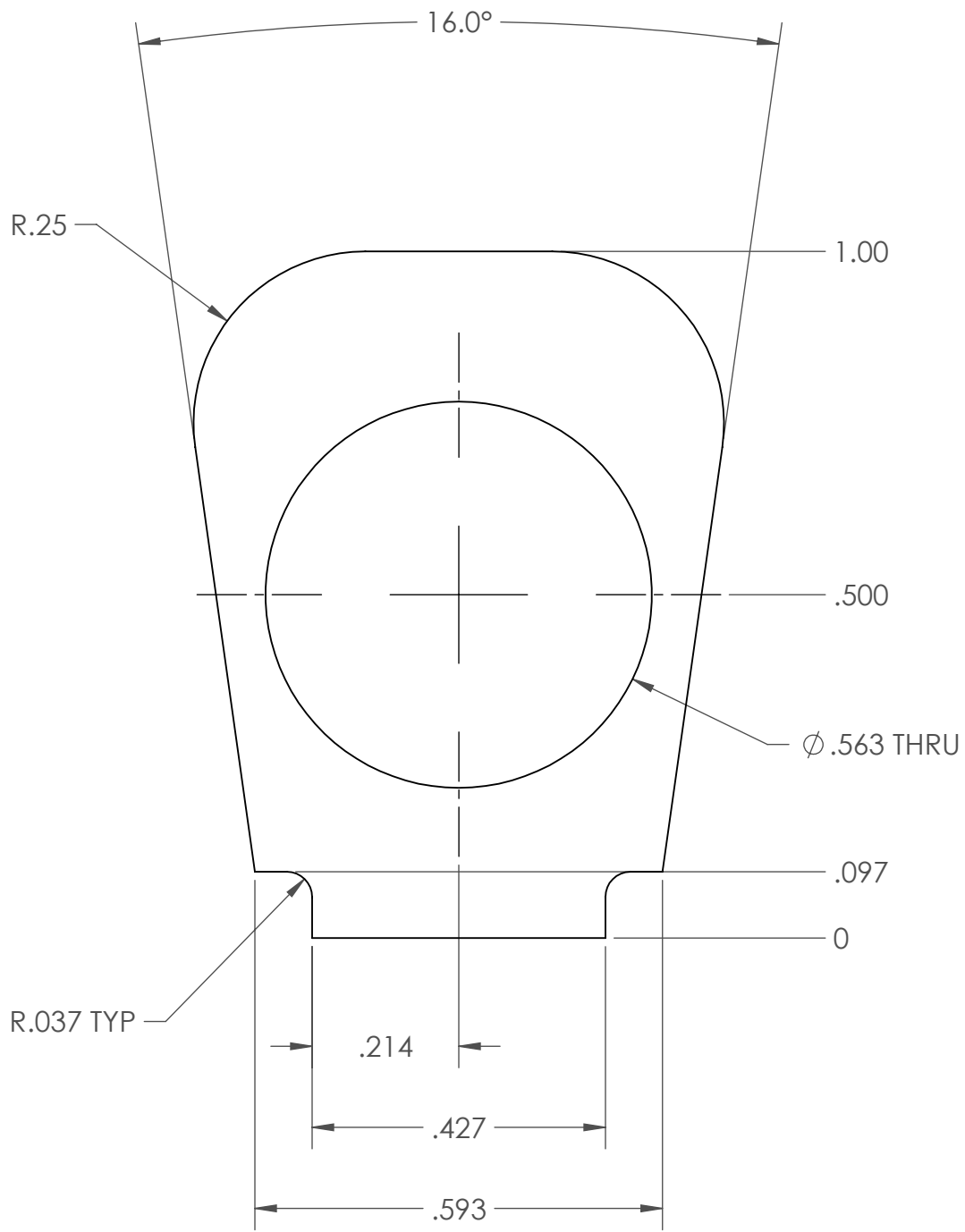
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B

B



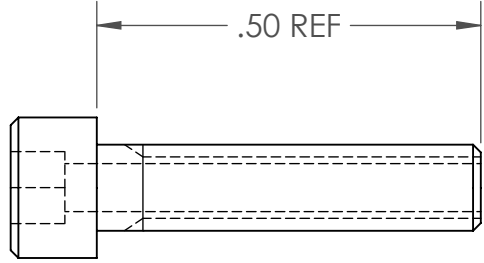
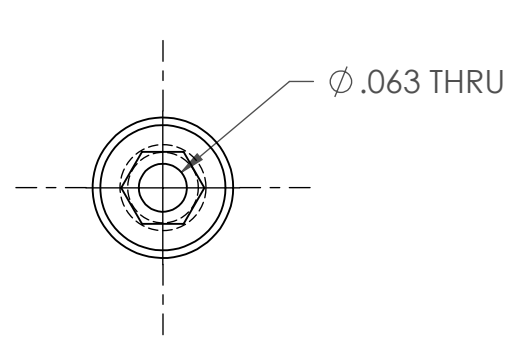
1 NAME: PLUG BASE CAP
QTY: 1
MAT'L: ALUM
HARD'N: -
FINISH: -
SIZE/TYPE: .13 x .53 x .53
WEIGHT: 0.002



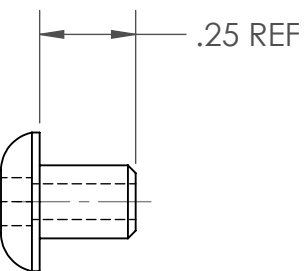
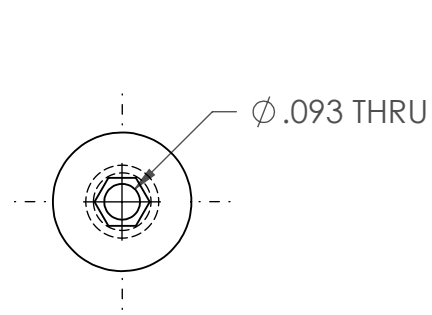
5 NAME: TARGET
QTY: 4
MAT'L: STAINLESS STEEL
HARD'N: -
FINISH: -
SIZE/TYPE: .016 x .27 x 1.13
WEIGHT: 0.002

A

A



2 NAME: #4 SHCS
QTY: 4
MAT'L: SHCS, BRASS
HARD'N: -
FINISH: -
SIZE/TYPE: #4-40 x .50 LG
WEIGHT: 0.002



26 NAME: #10-32 UNF x 1/4" BHCS, BRASS
QTY: 12
MAT'L: MCMaster CARR
HARD'N: -
FINISH: -
SIZE/TYPE: 97715A213
WEIGHT: 0.004

NOTE: DO NOT SCALE DRAWING!
ALL TOLERANCES UNLESS OTHERWISE SPECIFIED ARE:

DIMENSIONS ARE IN:
[X] INCHES [mm] [] mm [IN]

x.xx [x.x] ± .010 [.3]
x.xxx [x.xxx] ± .005 [.13]
x.xxxx [x.xxxx] ± .0005 [.013]

xx/xx ± 1/32
x° ± 1°

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TITLE
JANUS DETECTOR

THIRD ANGLE PROJECTION

DRAWN: RSF
CHECKED: RSF
APPROVED: RSF

DATE: 3/17/2011
DATE: 3/17/2011
DATE: -

REV
-

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SIZE: D
SCALE: 4:1

DWG NO:
SHEET 3 OF 17

JANUS

WEIGHT: 0.002 LBS

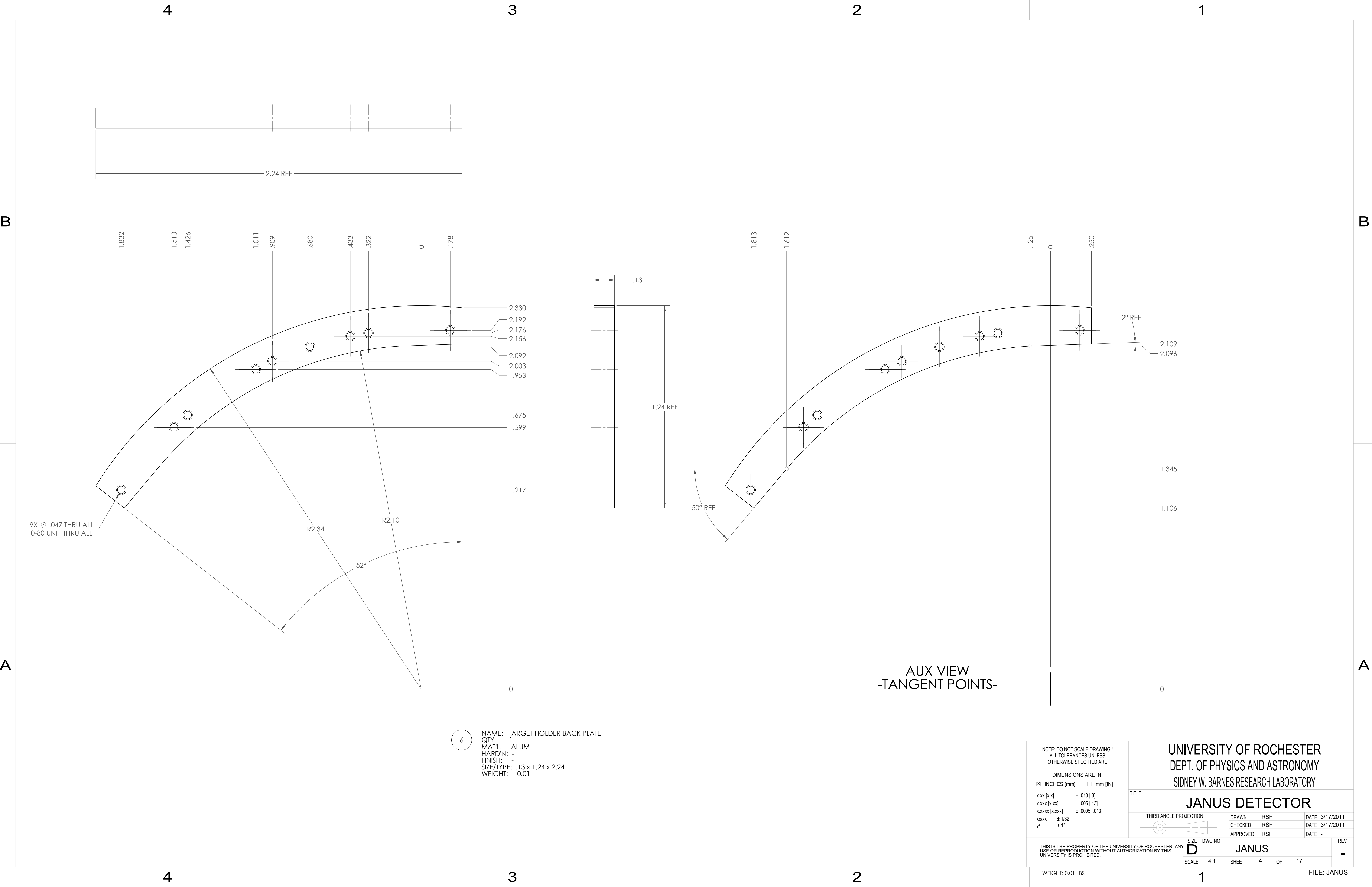
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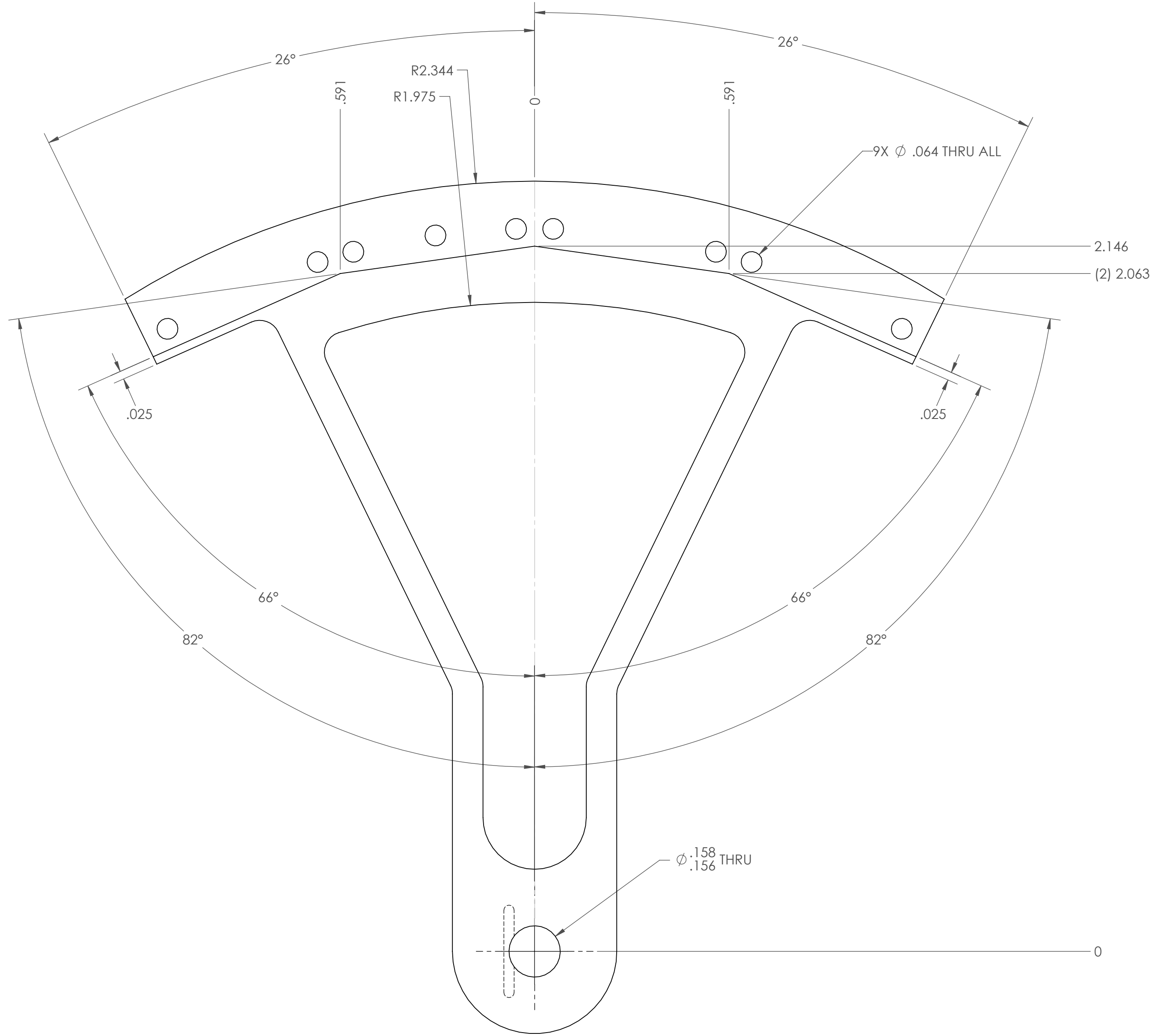
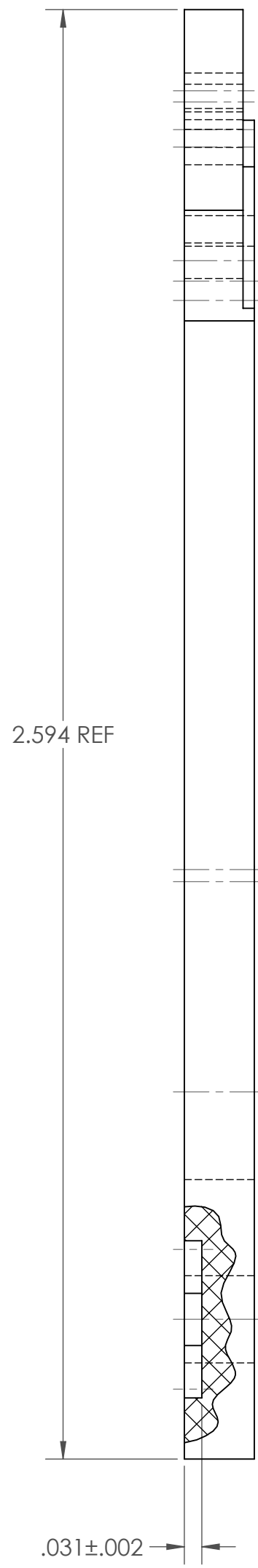
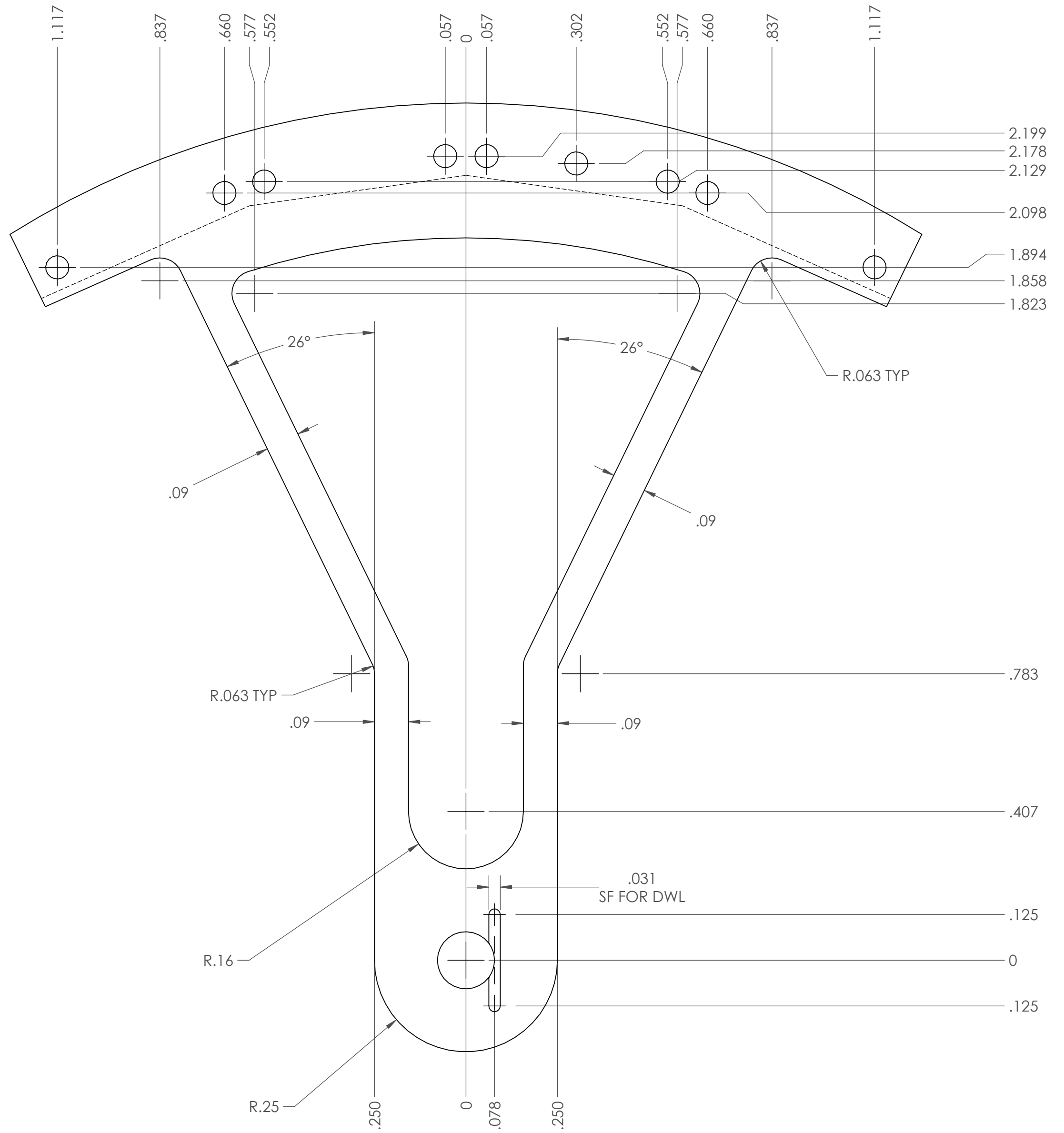
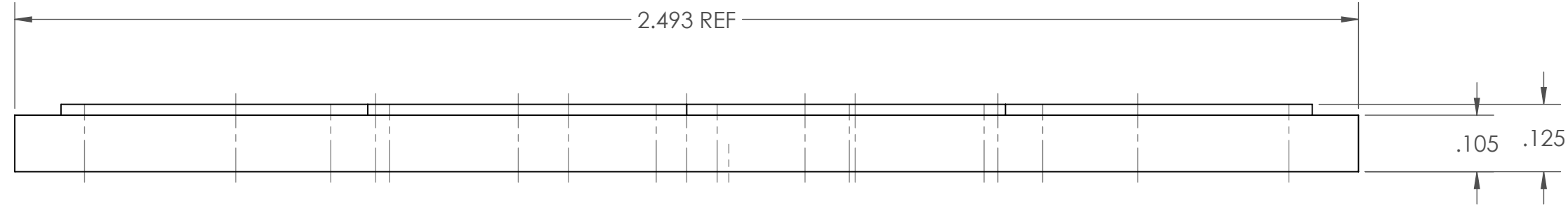
4

3

2

1





10

NAME: TARGET HOLDER
QTY: 1
MAT'L: DELRIN
HARD'N: -
FINISH: -
SIZE/TYPE: .13 x 2.49 x 2.59
WEIGHT: 0.01

NOTE: DO NOT SCALE DRAWING!
ALL TOLERANCES UNLESS
OTHERWISE SPECIFIED ARE

DIMENSIONS ARE IN:
[X] INCHES [mm] [] mm [IN]

x.xx [x.x] ± .010 [3]
x.xxx [x.xxx] ± .005 [13]
x.xxxx [x.xxxx] ± .0005 [013]
xx/xx ± 1/32
x° ± 1°

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JANUS DETECTOR

TITLE

THIRD ANGLE PROJECTION

DRAWN	RSF	DATE	3/17/2011
CHECKED	RSF	DATE	3/17/2011
APPROVED	RSF	DATE	-

SIZE DWG NO
D

SCALE 4:1 SHEET 5 OF 17

JANUS

REV -

WEIGHT: 0.01 LBS

1

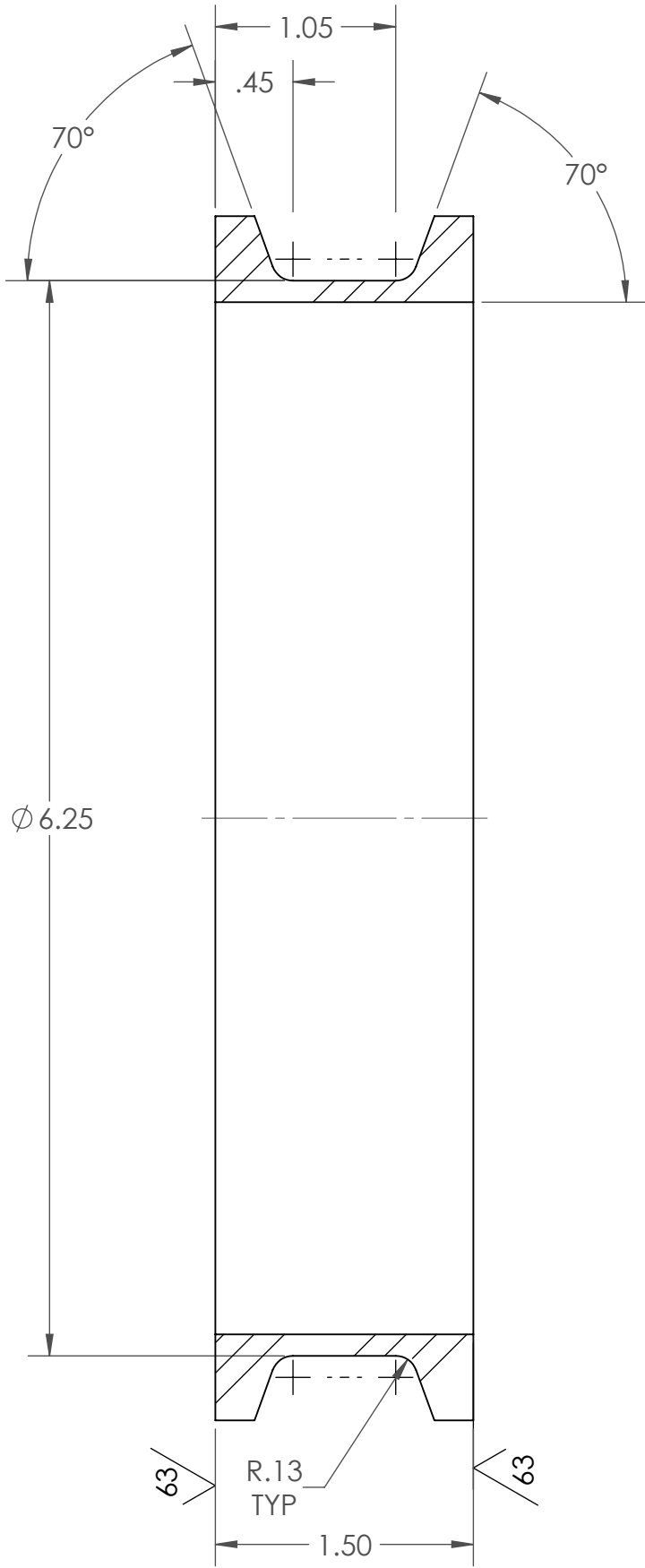
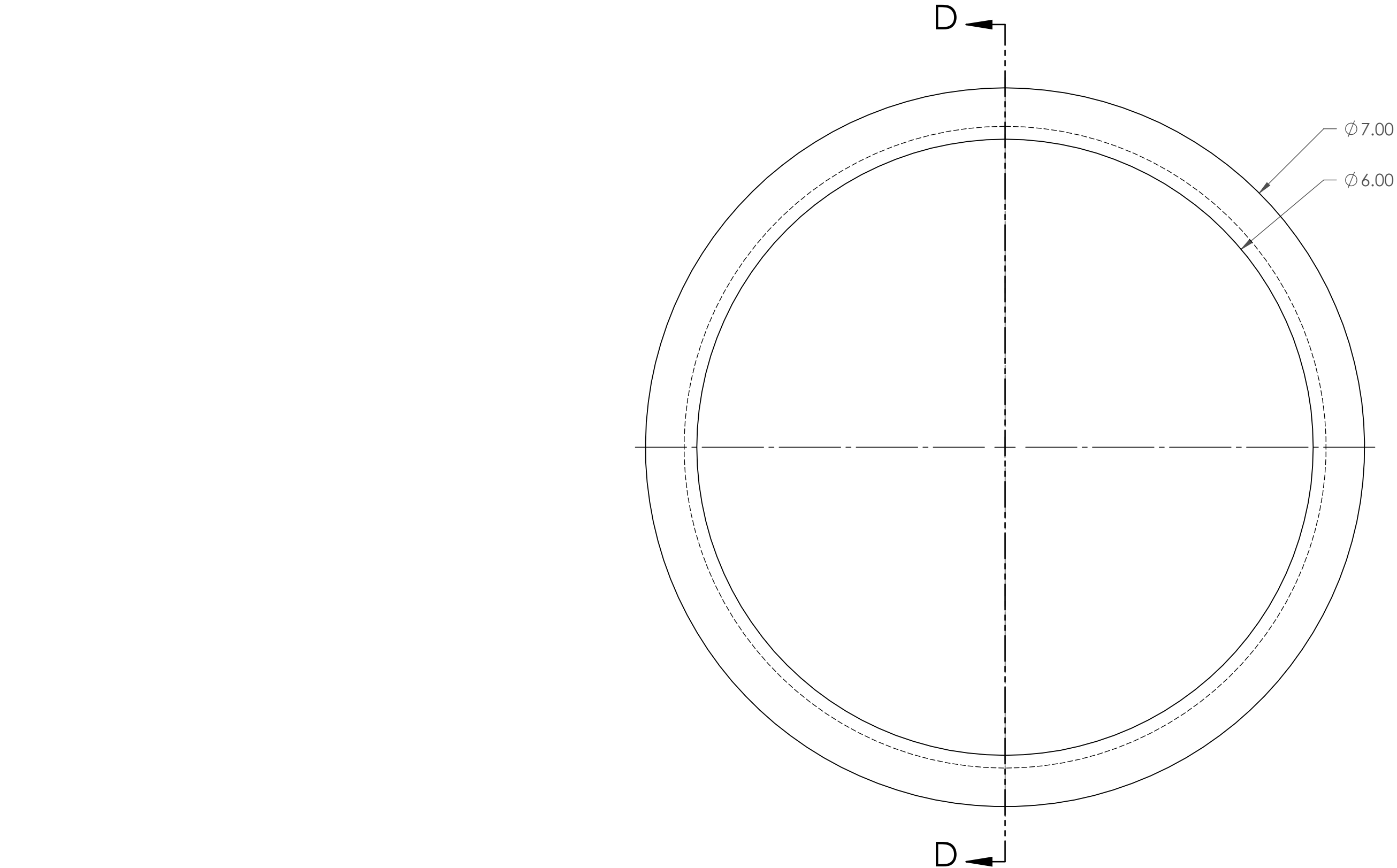
FILE: JANUS

B

B

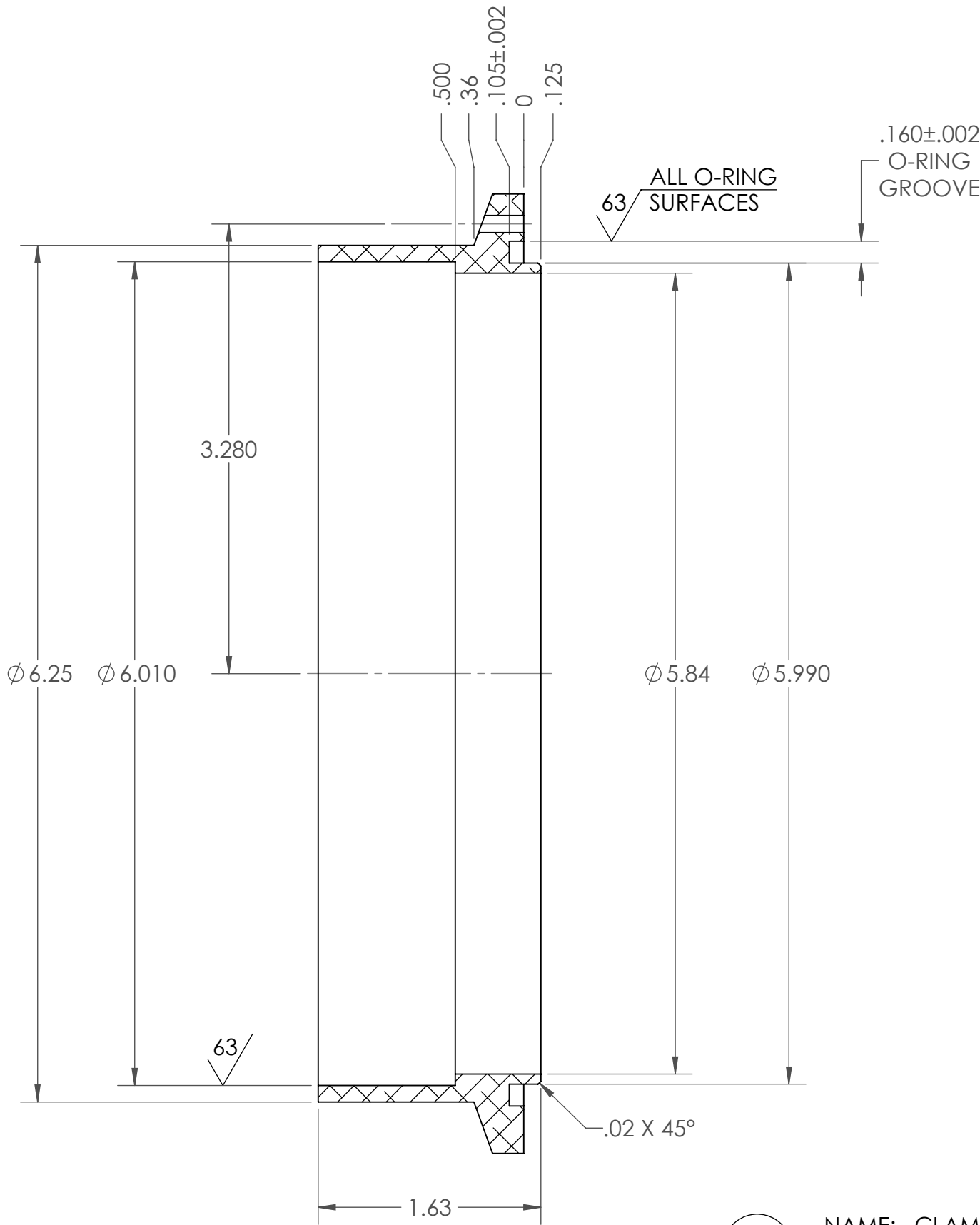
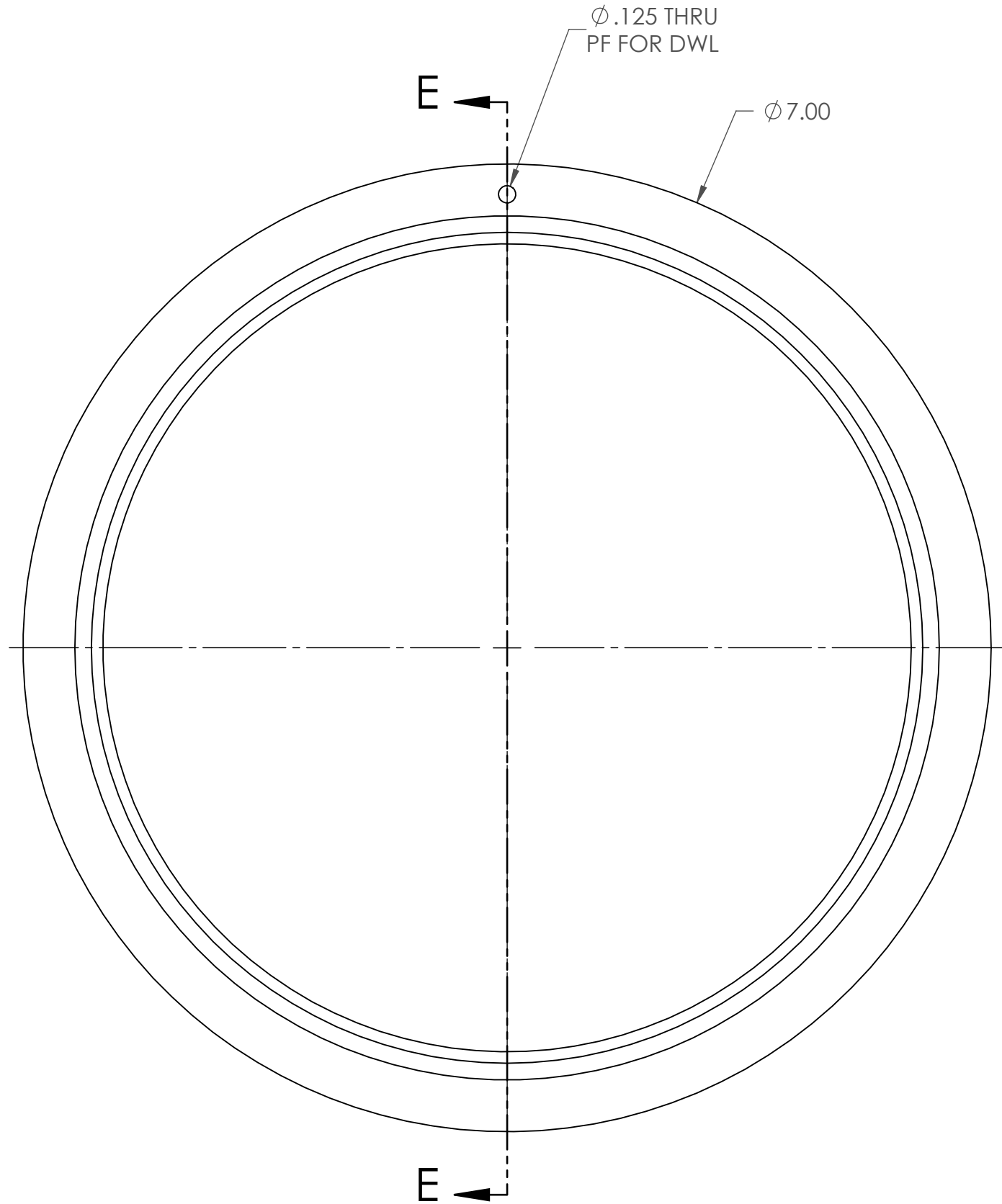
A

A



SECTION D-D

12
NAME: INSULATOR
QTY: 2
MAT'L: DELRIN, BLACK
HARD'N: -
FINISH: -
SIZE/TYPE: 7.00 DIA x 1.50 LG
WEIGHT: 0.41



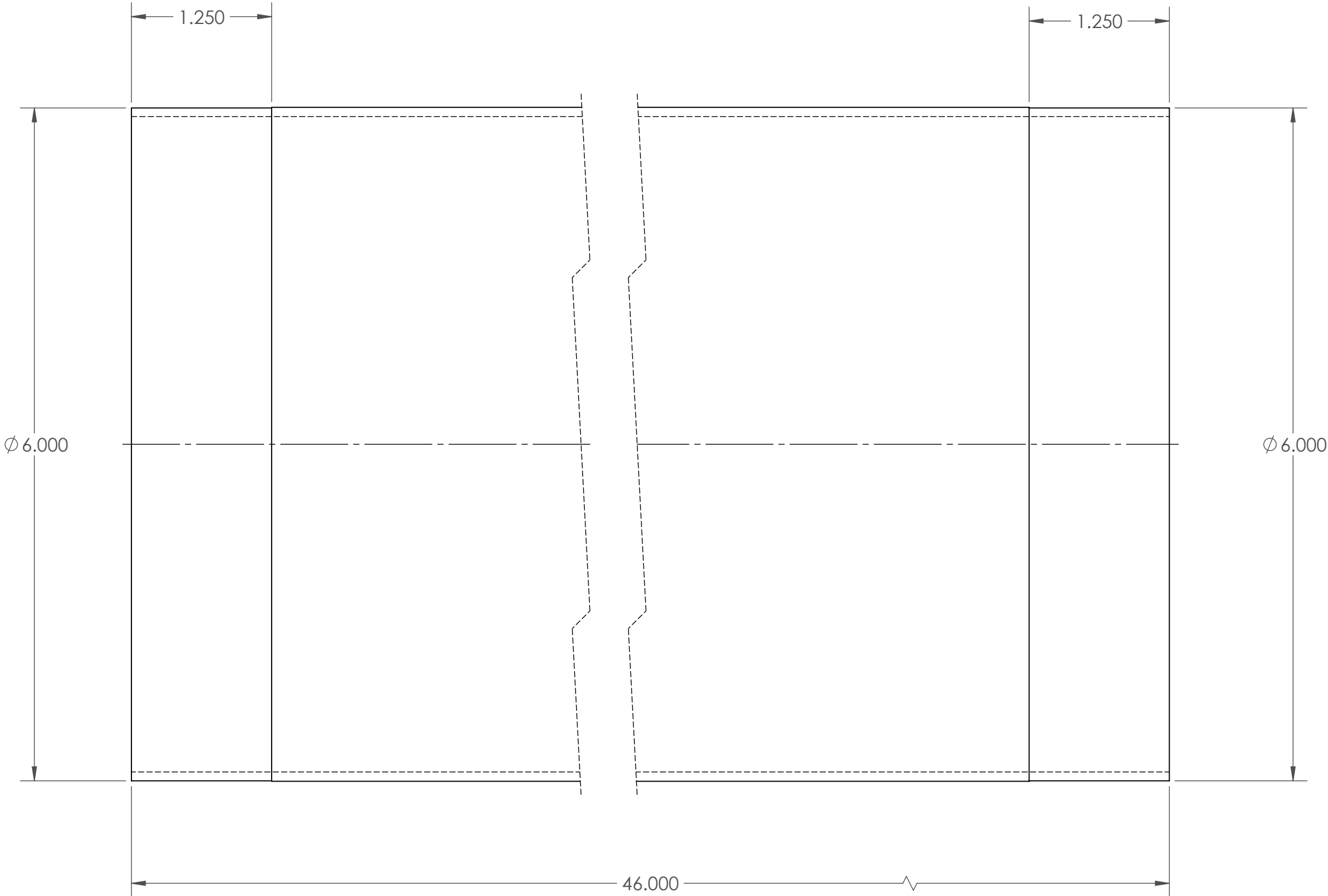
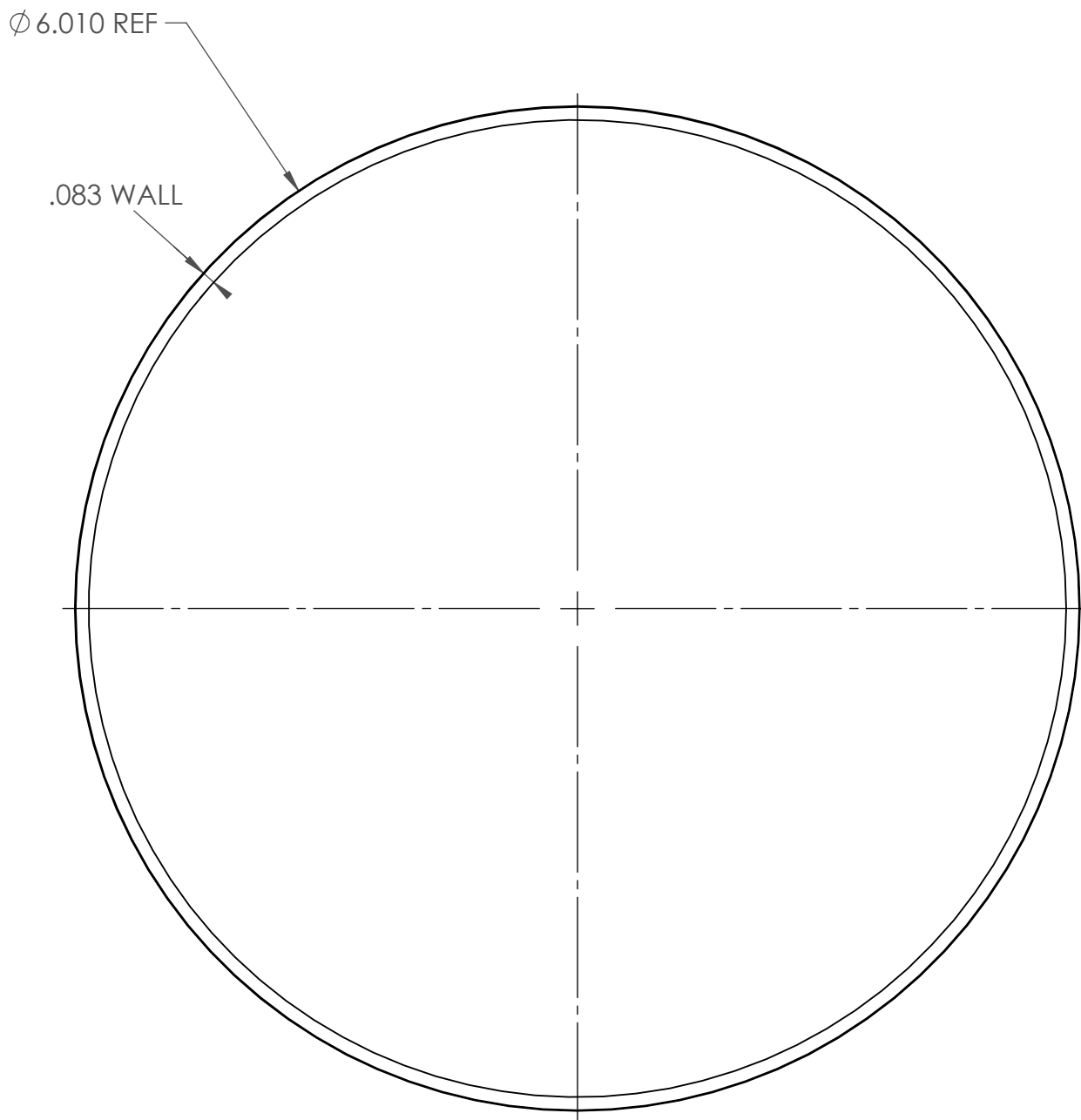
SECTION E-E

13
NAME: CLAMP SLEEVE
QTY: 2
MAT'L: STAINLESS STEEL
HARD'N: -
FINISH: -
SIZE/TYPE: 7.00 DIA x 1.50 LG
WEIGHT: 0.62

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DIMENSIONS ARE IN: X INCHES [mm] mm [IN]		TITLE JANUS DETECTOR	
x.xx [x.x] ± .010 [3] x.xxx [x.xx] ± .005 [13] x.xxxx [x.xxx] ± .0005 [013] xx/xx ± 1/32 x° ± 1°		THIRD ANGLE PROJECTION 	
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SIZE DWG NO D		JANUS	
SCALE 1:1		SHEET 6 OF 17	

WEIGHT: 0.41 LBS

FILE: JANUS



15 NAME: TUBING
QTY: 1
MAT'L: 6063-T1
HARD'N: -
FINISH: -
SIZE/TYPE: 6.01 OD x 46.00 LG x .083 WALL
WEIGHT: 6.91
SUGGESTED SUPPLIER: BOYER STEEL, DETROIT, MI
QUOTE No: 354348, DATED 4/2010

NOTE: DO NOT SCALE DRAWING !
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OTHERWISE SPECIFIED ARE

DIMENSIONS ARE IN:
☒ INCHES [mm] ☐ mm [IN]

x.xx [x.x] ± .010 [.3]
x.xxx [x.xxx] ± .005 [.13]
x.xxxx [x.xxxx] ± .0005 [.013]
xx/xx ± 1/32
x° ± 1°

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TITLE
JANUS DETECTOR

THIRD ANGLE PROJECTION

DRAWN	RSF	DATE	3/17/2011
CHECKED	RSF	DATE	3/17/2011
APPROVED	RSF	DATE	-

SIZE DWG NO
D

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WEIGHT: 6.91 LBS

SCALE 1:1

SHEET 7 OF 17

FILE: JANUS

4

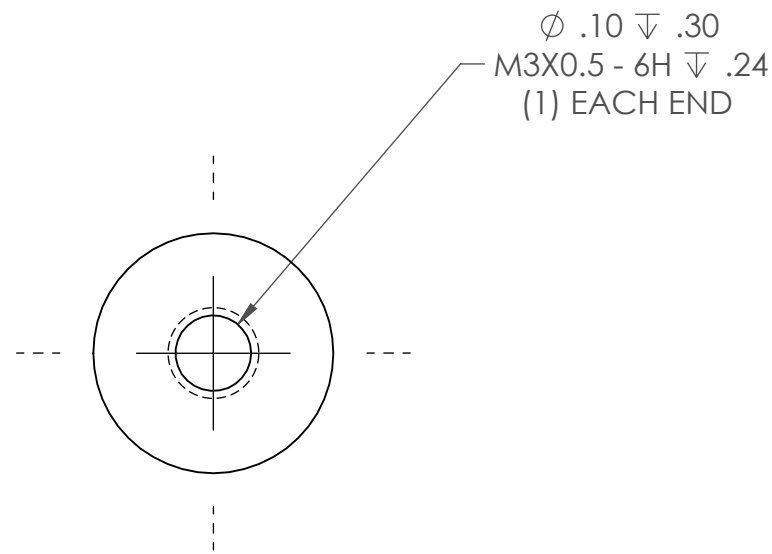
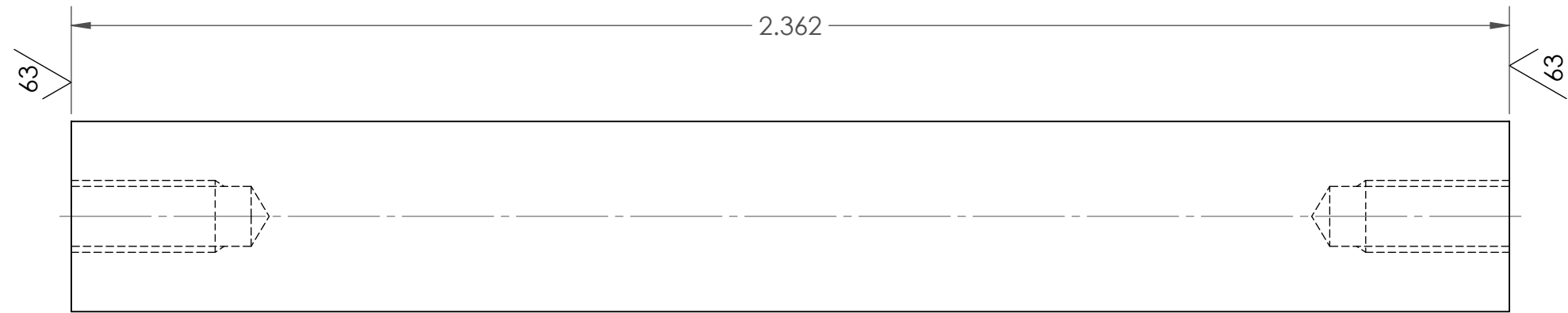
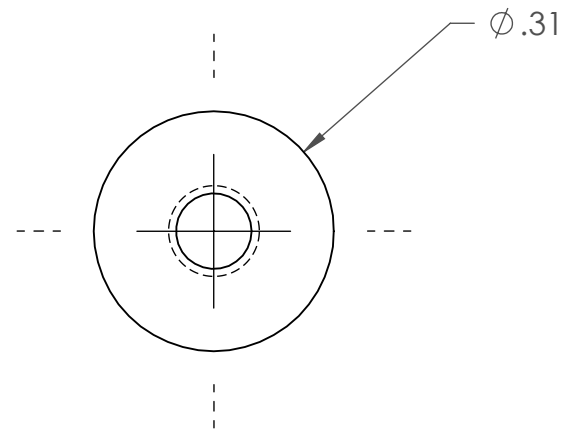
3

2

1

B

B

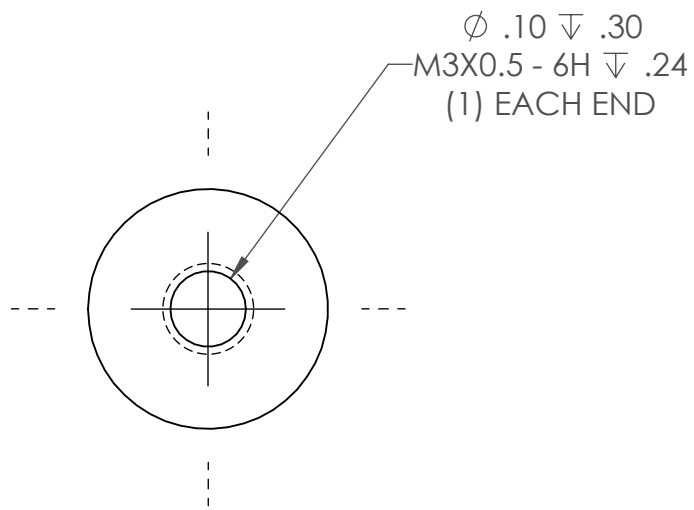
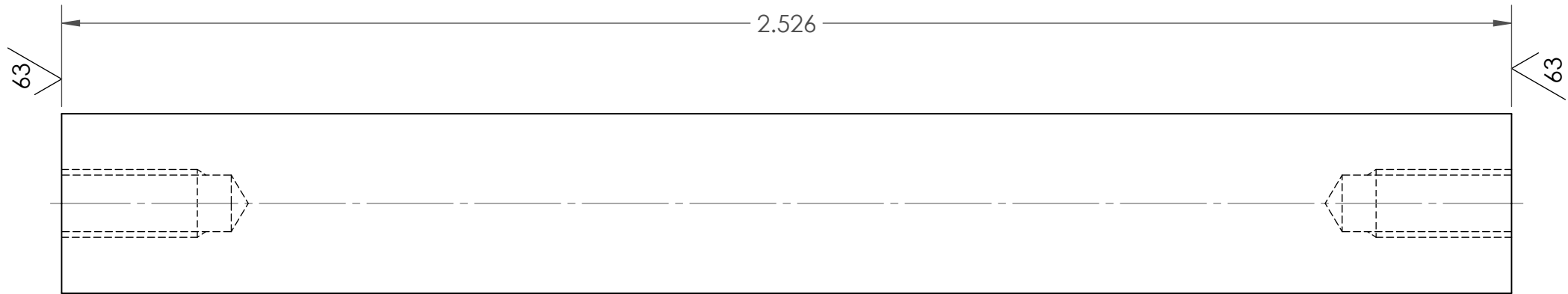
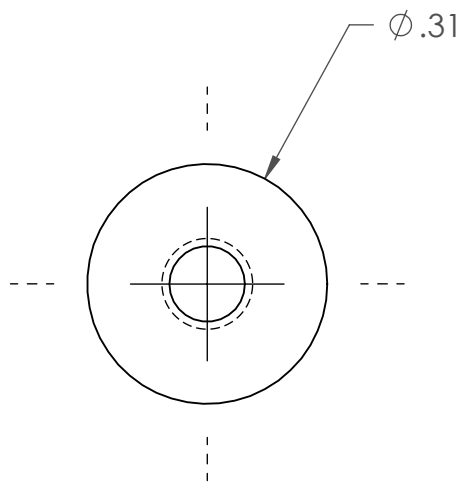


18

NAME: PC BOARD SPACER, 2.362 LG
QTY: 4
MAT'L: DELRIN
HARD'N: -
FINISH: -
SIZE/TYPE: .31 DIA x 2.362 LG
WEIGHT: 0.01

A

A



21

NAME: PC BOARD SPACER, 2.526 LG
QTY: 4
MAT'L: DELRIN
HARD'N: -
FINISH: -
SIZE/TYPE: .31 DIA x 2.526 LG
WEIGHT: 0.01

NOTE: DO NOT SCALE DRAWING !
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DIMENSIONS ARE IN:
[X] INCHES [mm] [] mm [IN]

x.xx [x.x] ± .010 [.3]
x.xxx [x.xxx] ± .005 [.13]
x.xxxx [x.xxxx] ± .0005 [.013]
xx/xx ± 1/32
x° ± 1°

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DEPT. OF PHYSICS AND ASTRONOMY
SIDNEY W. BARNES RESEARCH LABORATORY

TITLE

JANUS DETECTOR

THIRD ANGLE PROJECTION

SCALE 1:1

SIZE DWG NO
D

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DRAWN	RSF	DATE	3/17/2011
CHECKED	RSF	DATE	3/17/2011
APPROVED	RSF	DATE	-

SCALE 1:1

SHEET 8 OF 17

REV -

WEIGHT: 0.01 LBS

1

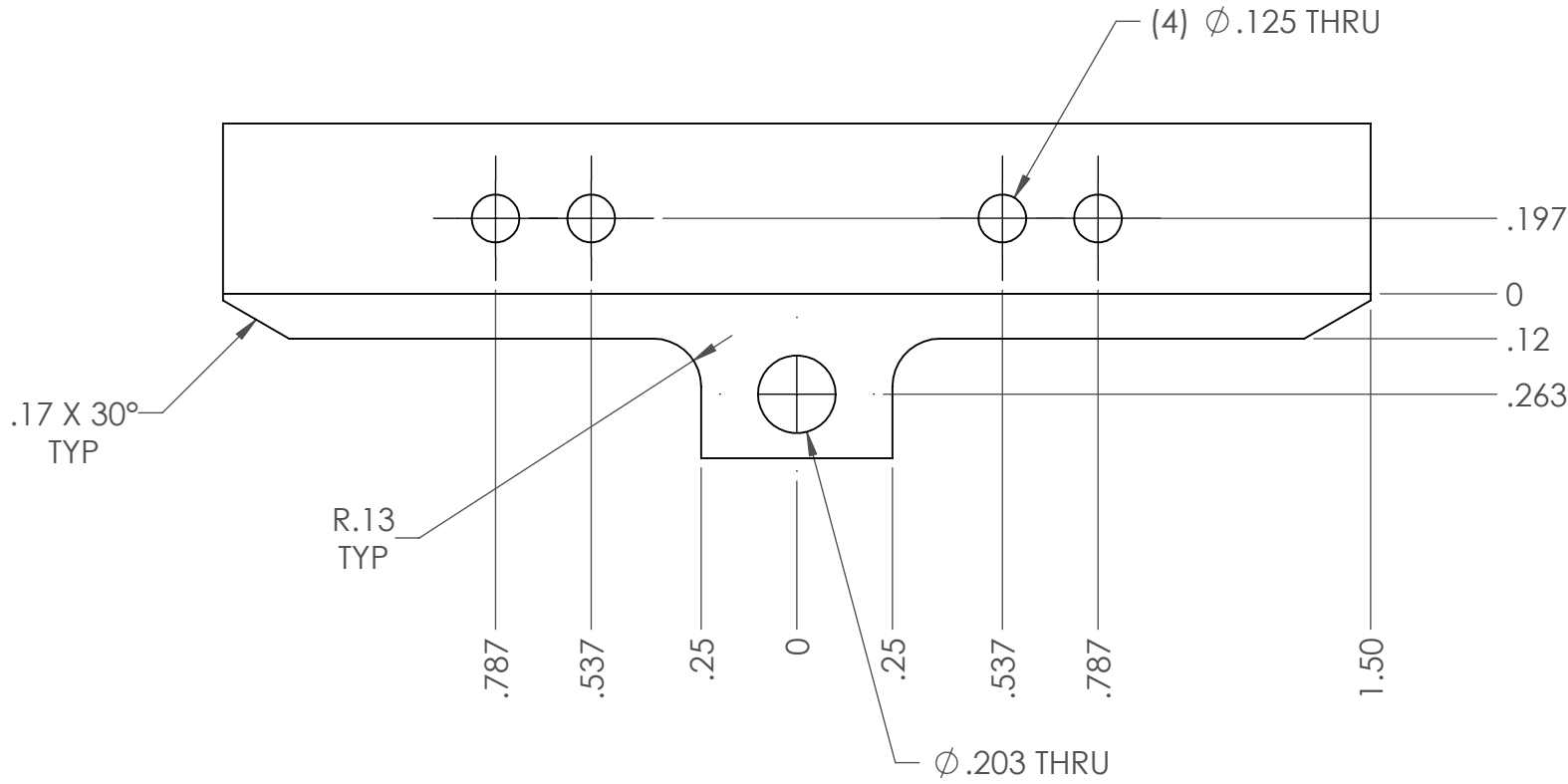
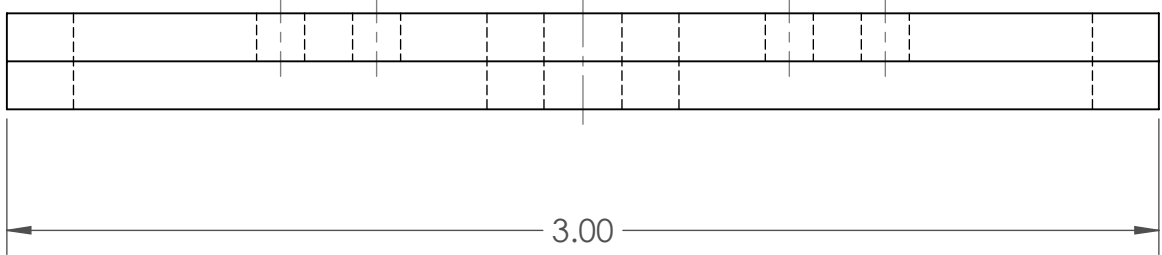
FILE: JANUS

B

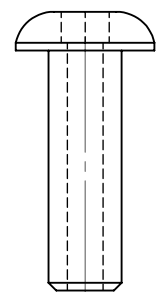
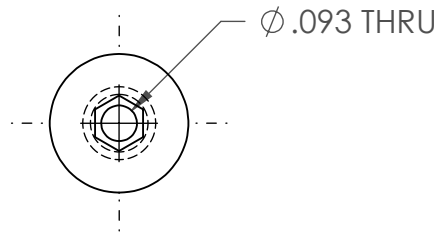
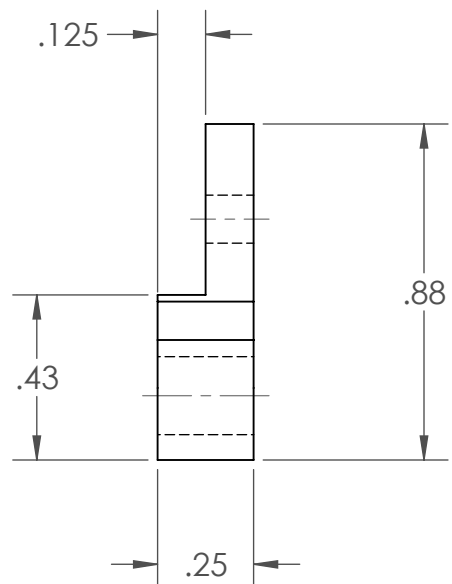
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A

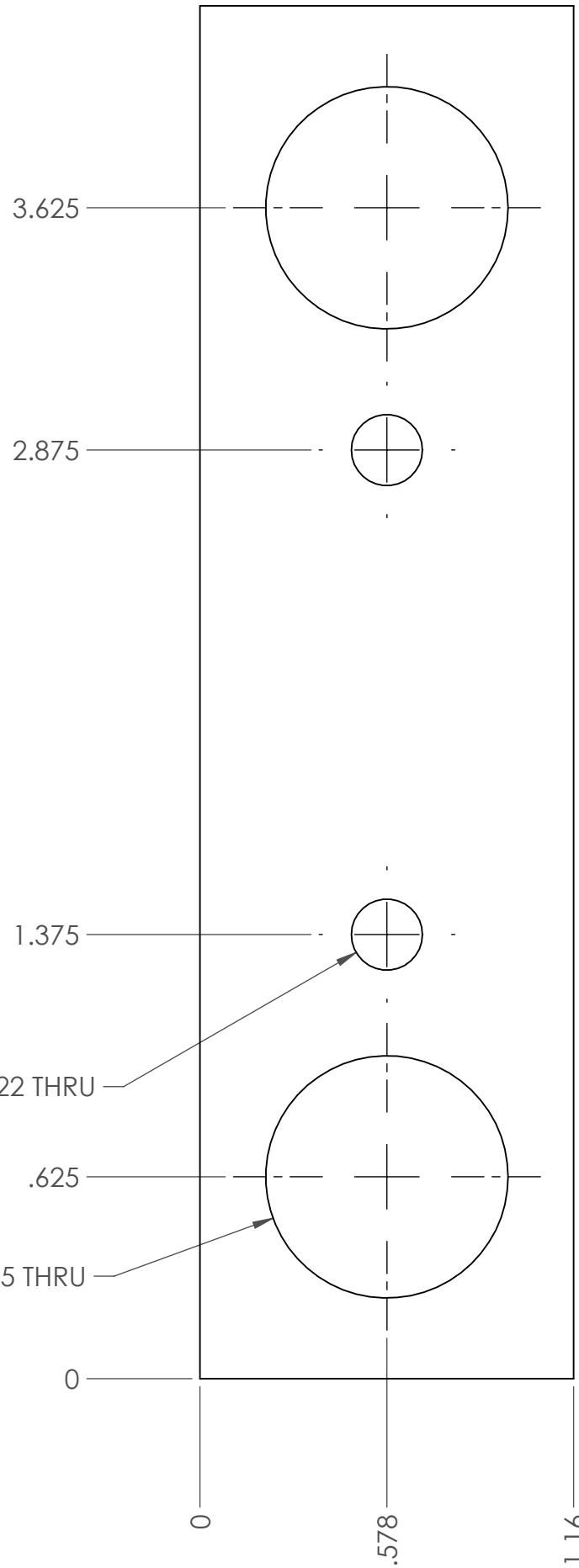
A



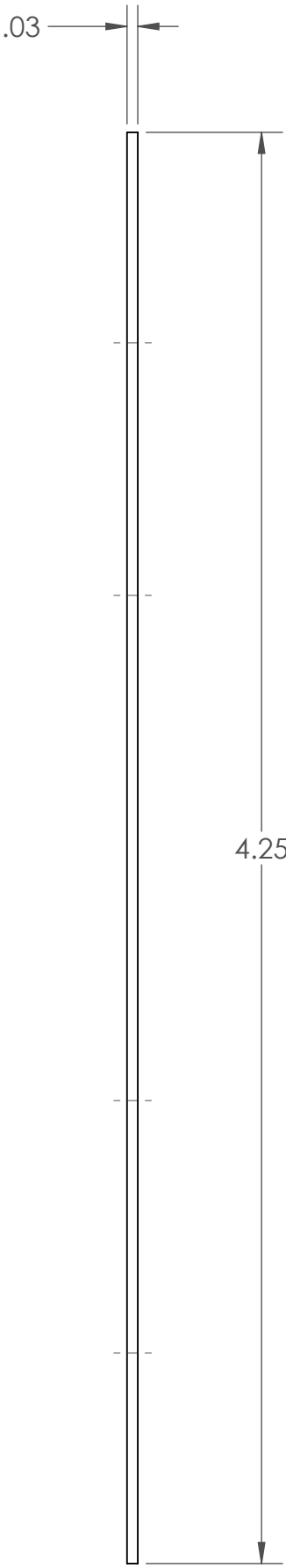
20 NAME: PC BOARD SUPPORT-GUIDE
QTY: 2
MAT'L: DELRIN
HARD'N: -
FINISH: -
SIZE/TYPE: .25 x .88 x 3.00
WEIGHT: 0.01



32 NAME: #10 -32 UNF x 5/8" BHCS, NYLON
QTY: 4
MAT'L: NYLON
HARD'N: -
FINISH: -
SIZE/TYPE: -
WEIGHT: 0.001



35 NAME: PLUG BASE GASKET
QTY: 1
MAT'L: NEOPRENE
HARD'N: -
FINISH: -
SIZE/TYPE: .03 x 1.16 x 4.25
WEIGHT: 0.01



NOTE: DO NOT SCALE DRAWING !
ALL TOLERANCES UNLESS
OTHERWISE SPECIFIED ARE

DIMENSIONS ARE IN:
☒ INCHES [mm] ☐ mm [IN]

x.xx [x.x] ± .010 [.3]

x.xxx [x.xx] ± .005 [.13]

x.xxxx [x.xxx] ± .0005 [.013]

xx/xx ± 1/32

x° ± 1°

UNIVERSITY OF ROCHESTER
DEPT. OF PHYSICS AND ASTRONOMY
SIDNEY W. BARNES RESEARCH LABORATORY

TITLE

JANUS DETECTOR

THIRD ANGLE PROJECTION

DRAWN
CHECKED
APPROVED

RSF
RSF

DATE
DATE
DATE

3/17/2011
3/17/2011
-

SIZE
SCALE

DWG NO
2:1

SHEET
9

OF
17

REV
-

JANUS

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WEIGHT: 0.01 LBS

1

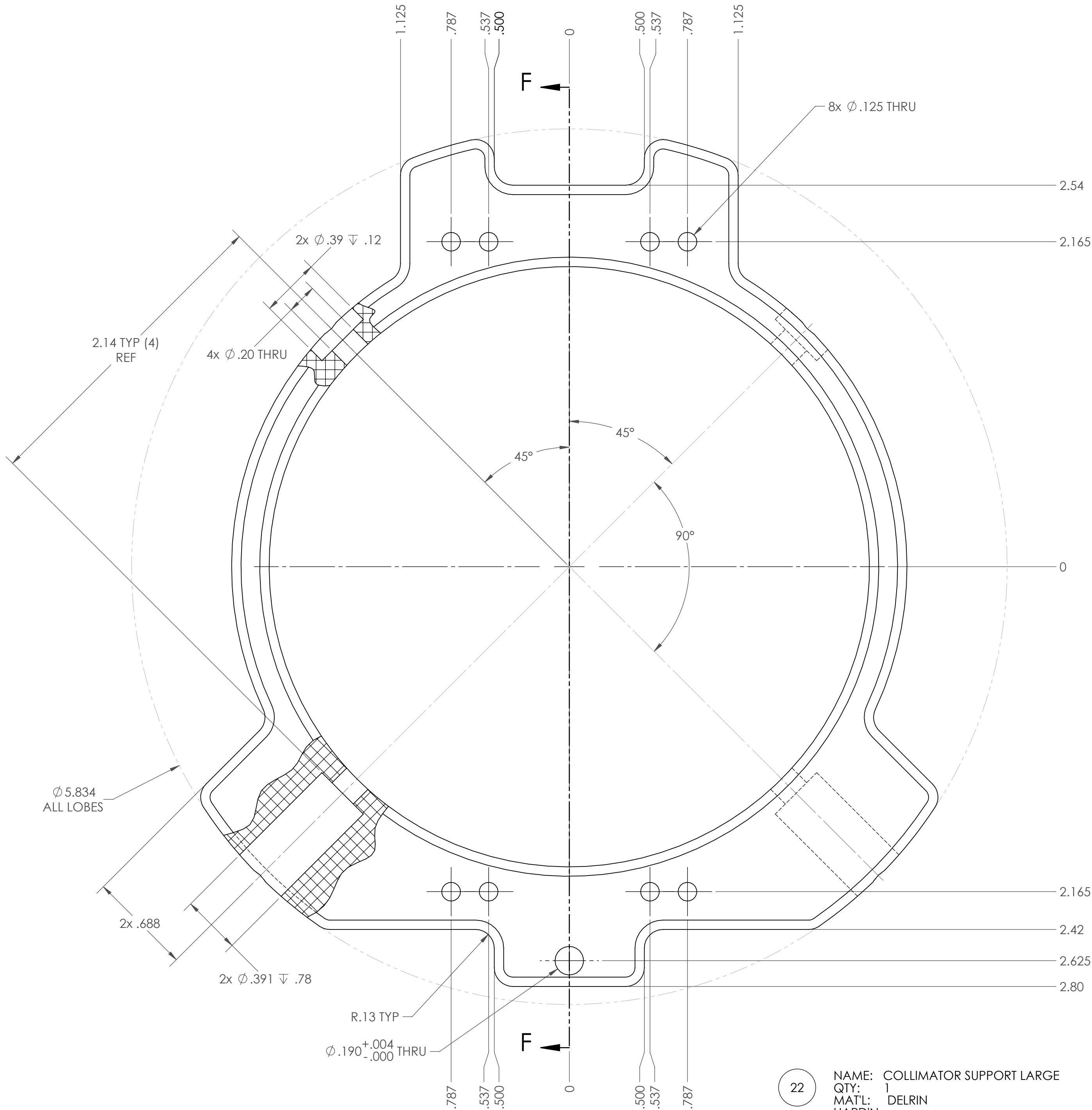
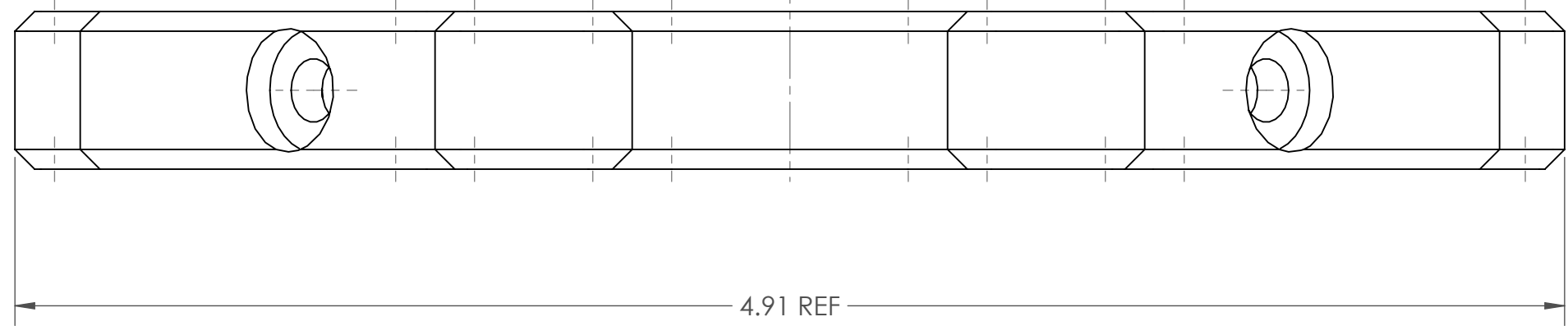
FILE: JANUS

4

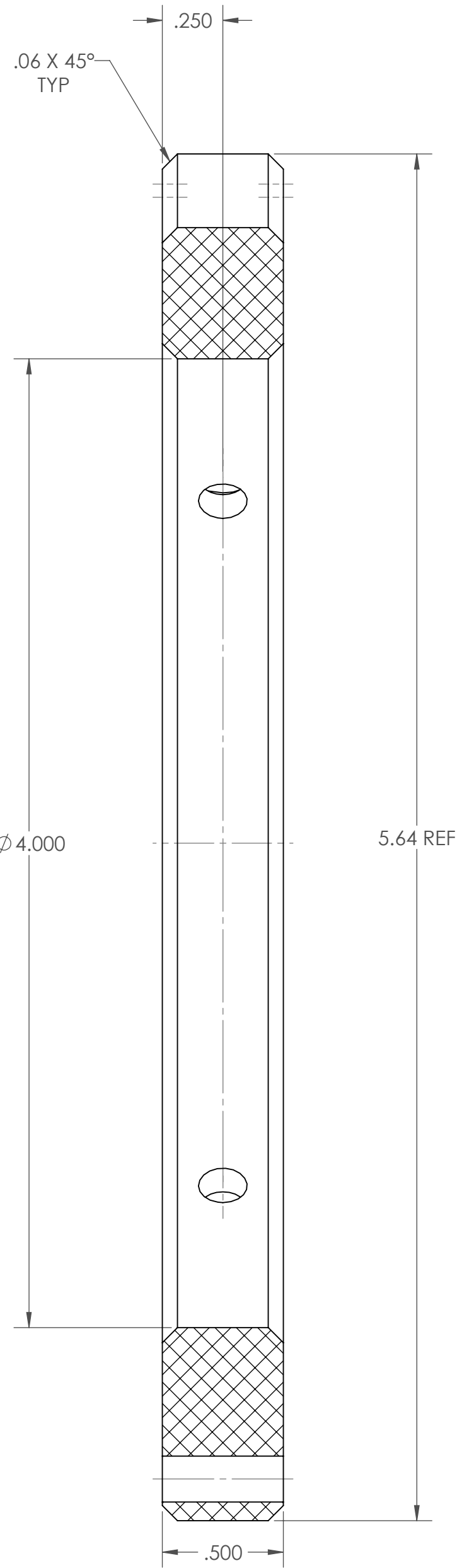
3

2

1



22 NAME: COLLIMATOR SUPPORT LARGE
QTY: 1
MAT'L: DELRIN
HARD'N: -
FINISH: -
SIZE/TYPE: .50 x 4.91 x 5.64
WEIGHT: 0.17



SECTION F-F

NOTE: DO NOT SCALE DRAWING !
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OTHERWISE SPECIFIED ARE

DIMENSIONS ARE IN:
X INCHES [mm] mm [IN]

x.xx [x.x] ± .010 [.3]
x.xxx [x.xx] ± .005 [.13]
x.xxxx [x.xxx] ± .0005 [.013]
xx/xx ± 1/32
x° ± 1°

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JANUS DETECTOR

TITLE

THIRD ANGLE PROJECTION

DRAWN	RSF	DATE	3/17/2011
CHECKED	RSF	DATE	3/17/2011
APPROVED	RSF	DATE	-

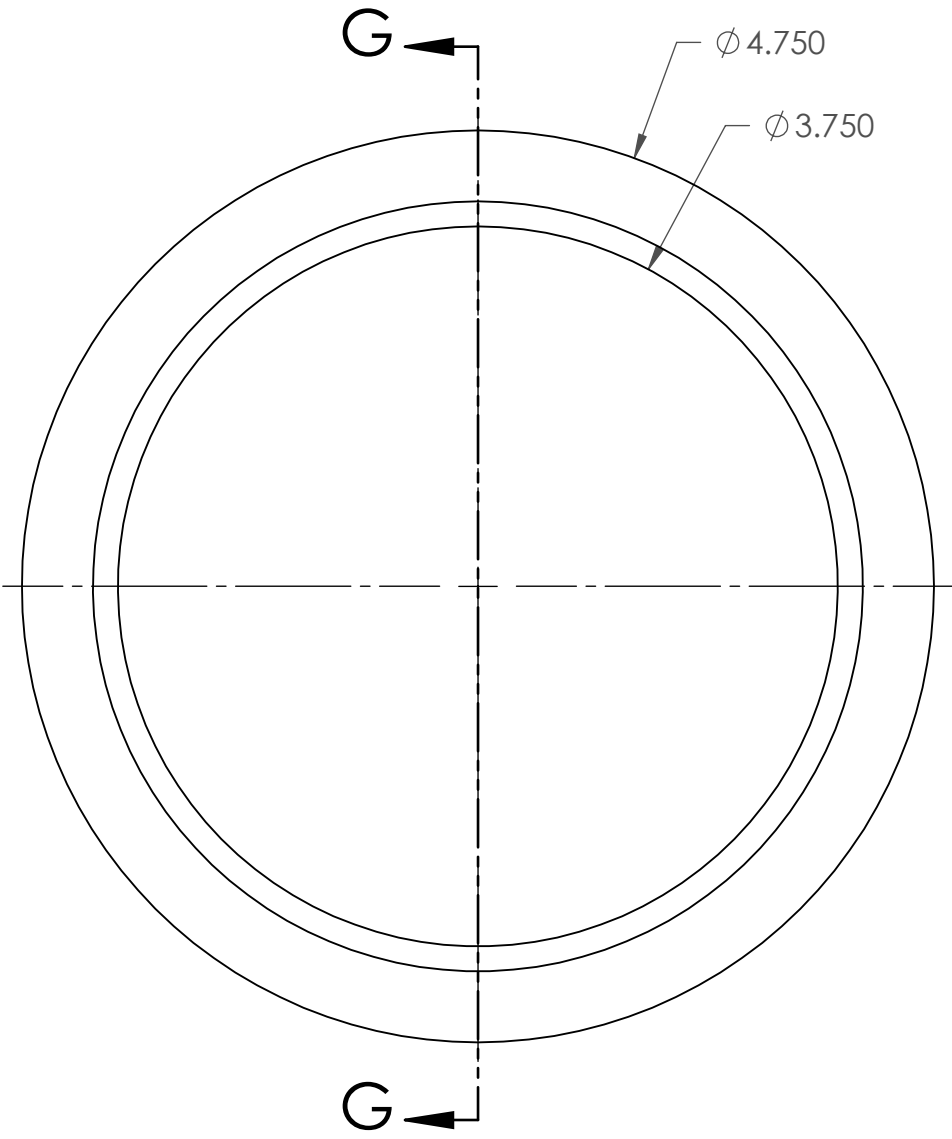
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SIZE	DWG NO	REV
D		-
SCALE	2:1	SHEET 10 OF 17

WEIGHT: 0.17 LBS

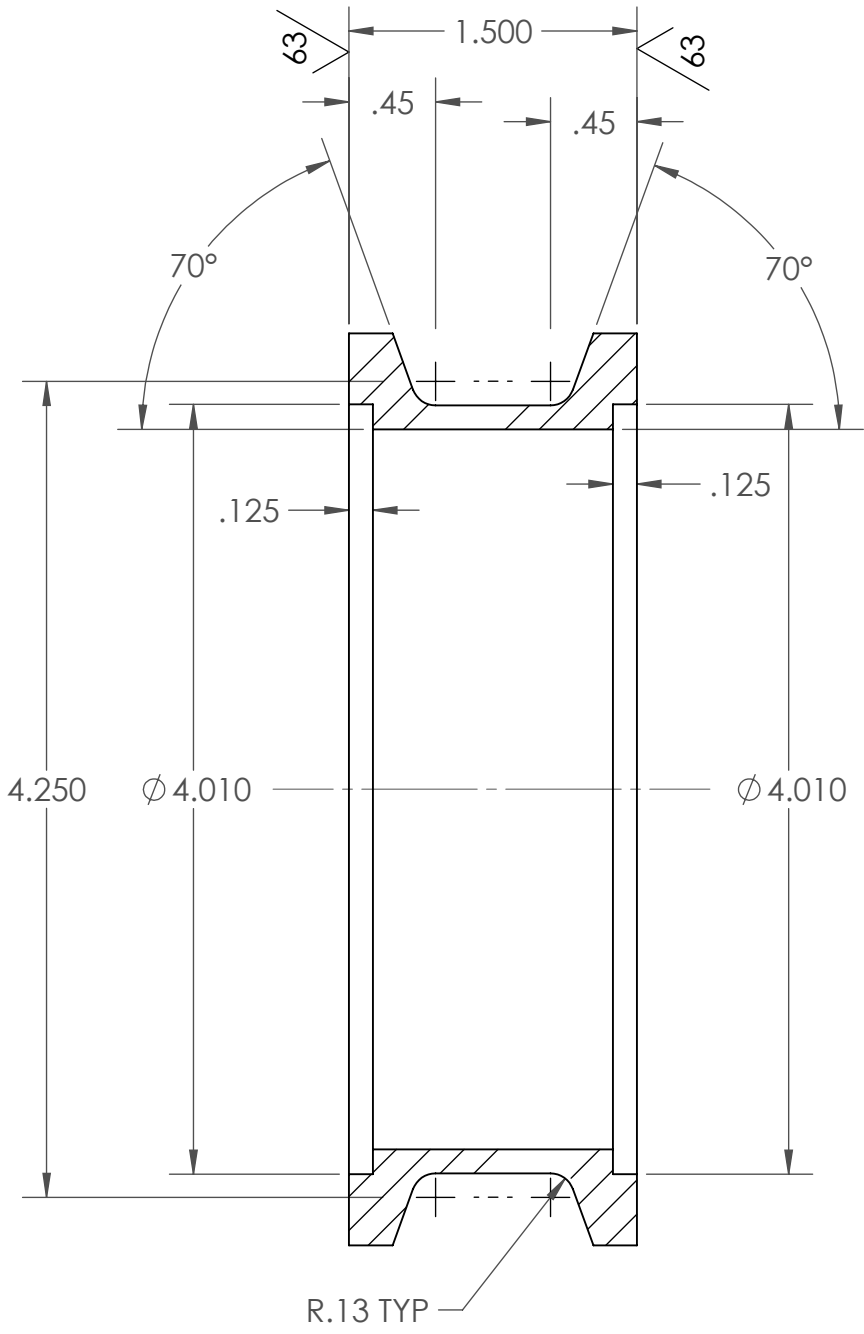
1

FILE: JANUS

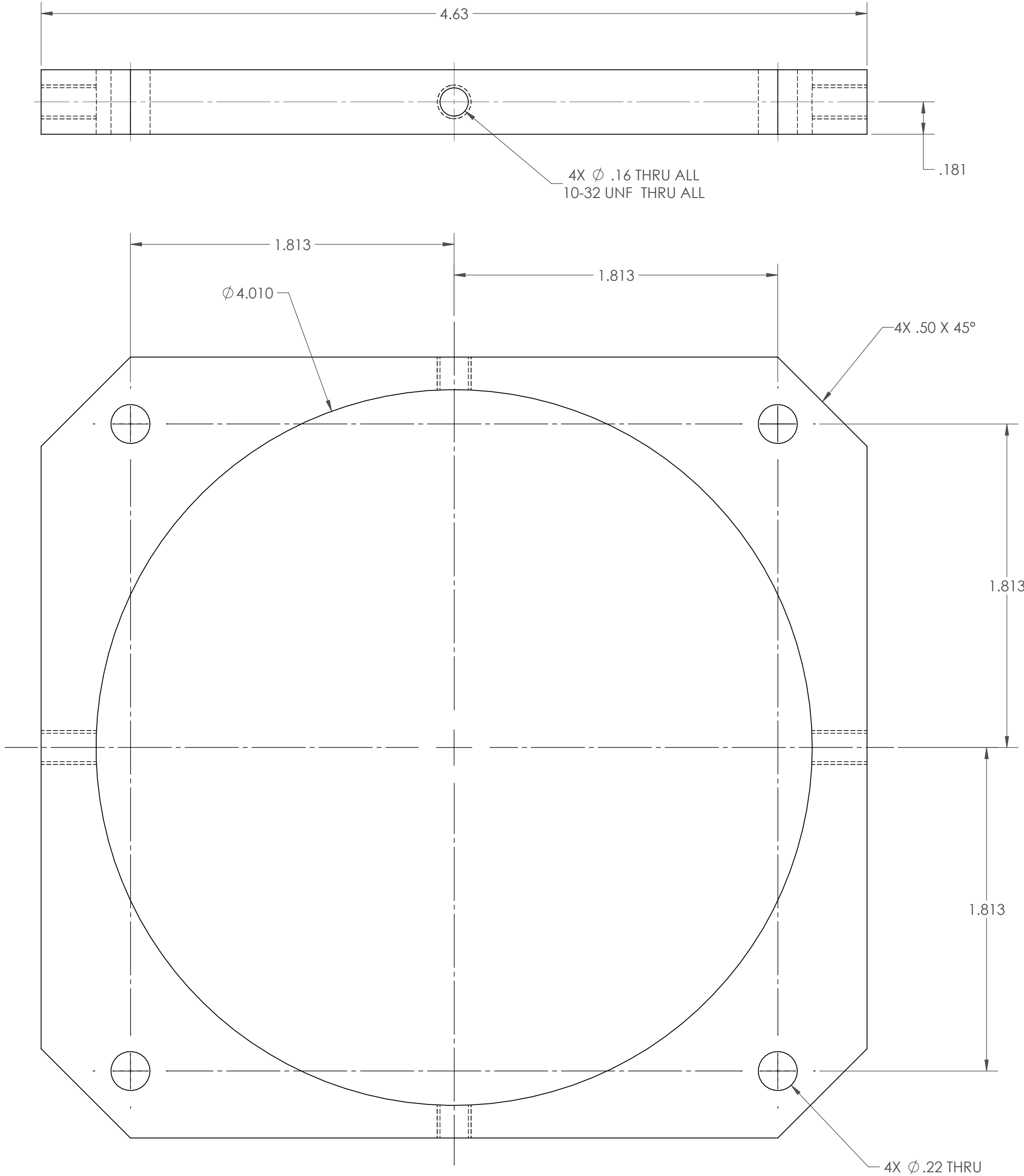


23

NAME: INSULATOR 4in
QTY: 2
MAT'L: DELRIN, BLACK
HARD'N: -
FINISH: -
SIZE/TYPE: 4.75 DIA x 1.50 LG
WEIGHT: 0.25

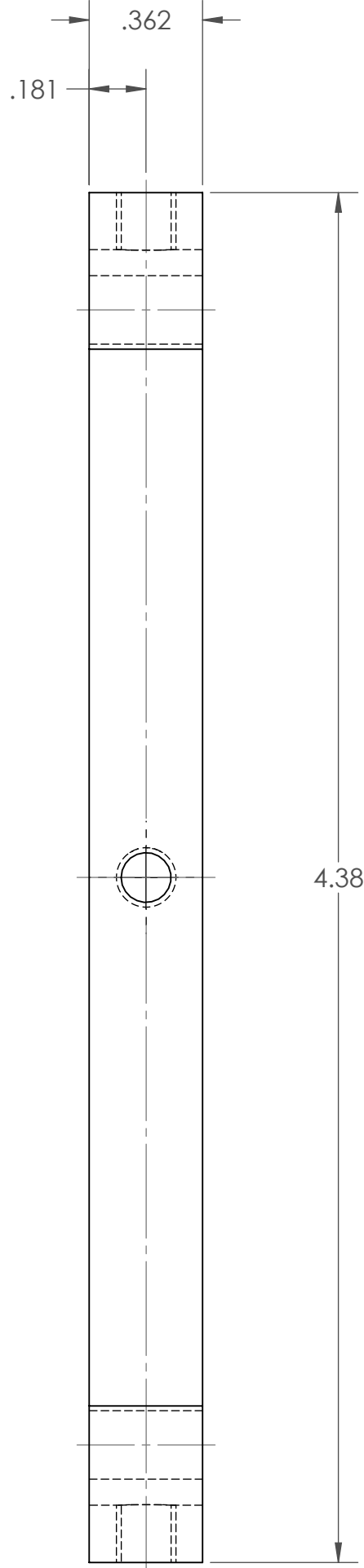


SECTION G-G
SCALE 1 : 1



28

NAME: TUBE CLAMP RING
QTY: 1
MAT'L: ALUM
HARD'N: -
FINISH: -
SIZE/TYPE: .36 x 4.38 x 4.63
WEIGHT: 0.24



NOTE: DO NOT SCALE DRAWING !
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OTHERWISE SPECIFIED ARE

DIMENSIONS ARE IN:
[X] INCHES [mm] [] mm [IN]

x.xx [x.x]	± .010 [.3]
x.xxx [x.xxx]	± .005 [.13]
x.xxxx [x.xxxx]	± .0005 [.013]
xx/xx	± 1/32
x°	± 1°

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TITLE

JANUS DETECTOR

THIRD ANGLE PROJECTION

DRAWN	RSF	DATE	3/17/2011
CHECKED	RSF	DATE	3/17/2011
APPROVED	RSF	DATE	-

SIZE	DWG NO	REV
D		-

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SCALE	2:1	SHEET	11	OF	17
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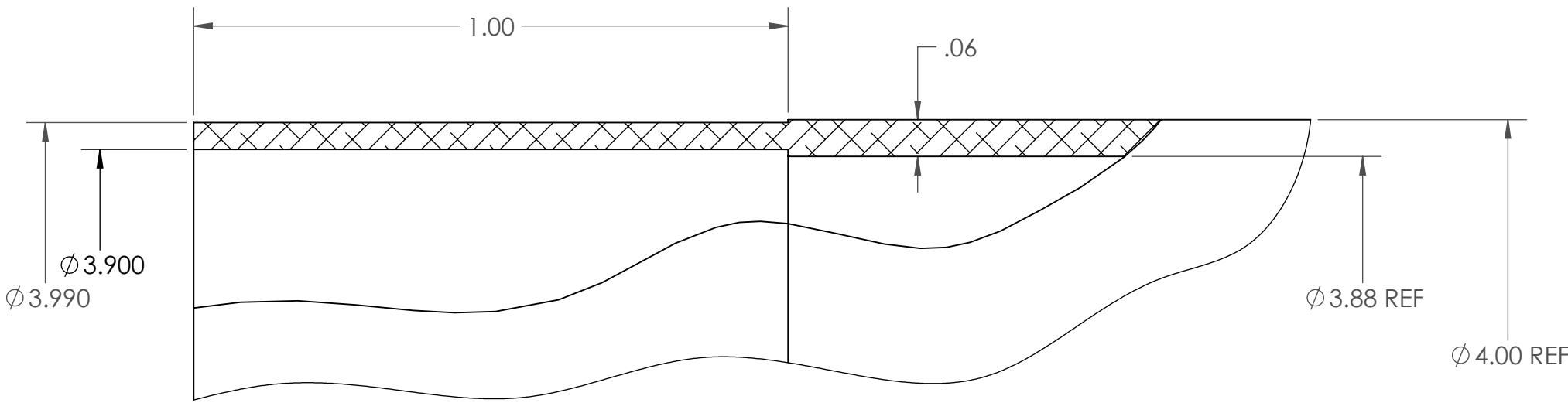
WEIGHT: 0.25 LBS

1

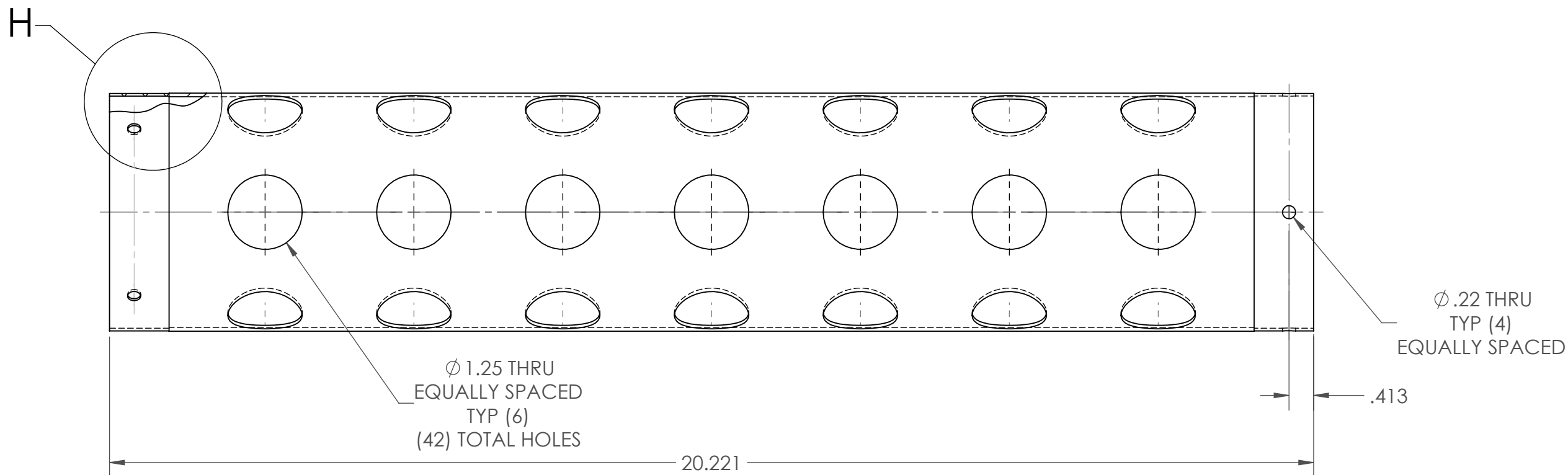
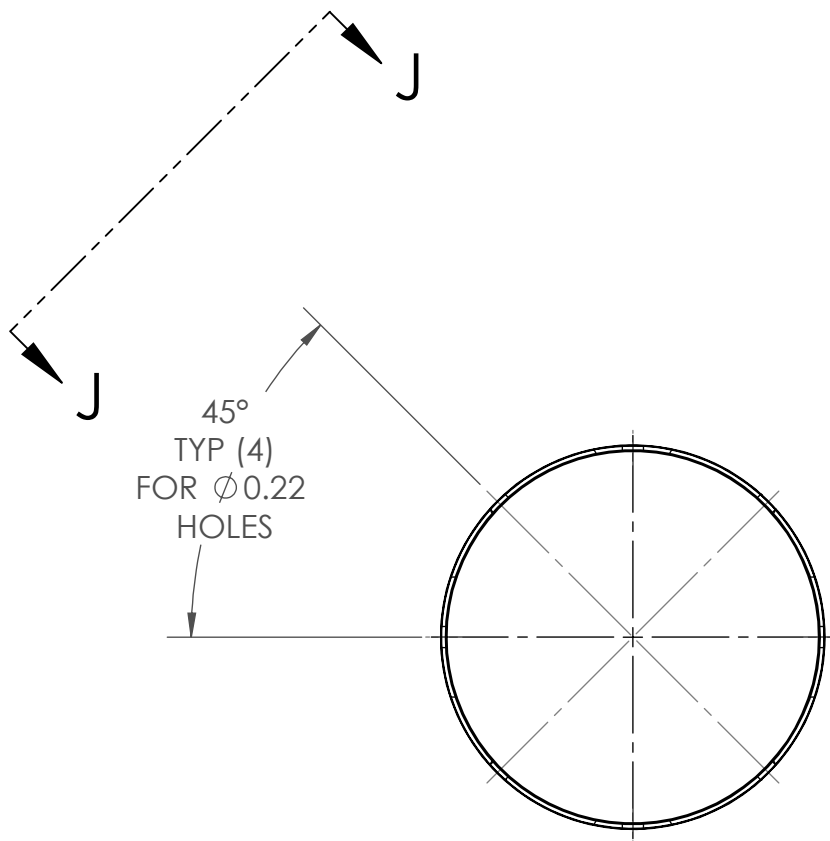
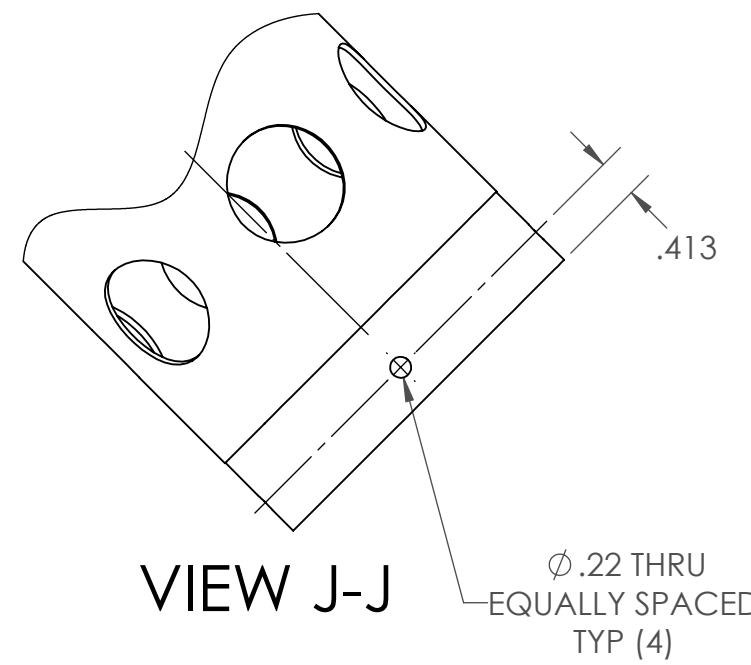
FILE: JANUS

A

B



DETAIL H
SCALE 4 : 1
TYP EACH END



25 NAME: TUBING- INNER
QTY: 1
MAT'L: ALUM
HARD'N: -
FINISH: -
SIZE/TYPE: 4.00 DIA x 20.22 LG x .062 WALL
WEIGHT: 1.15

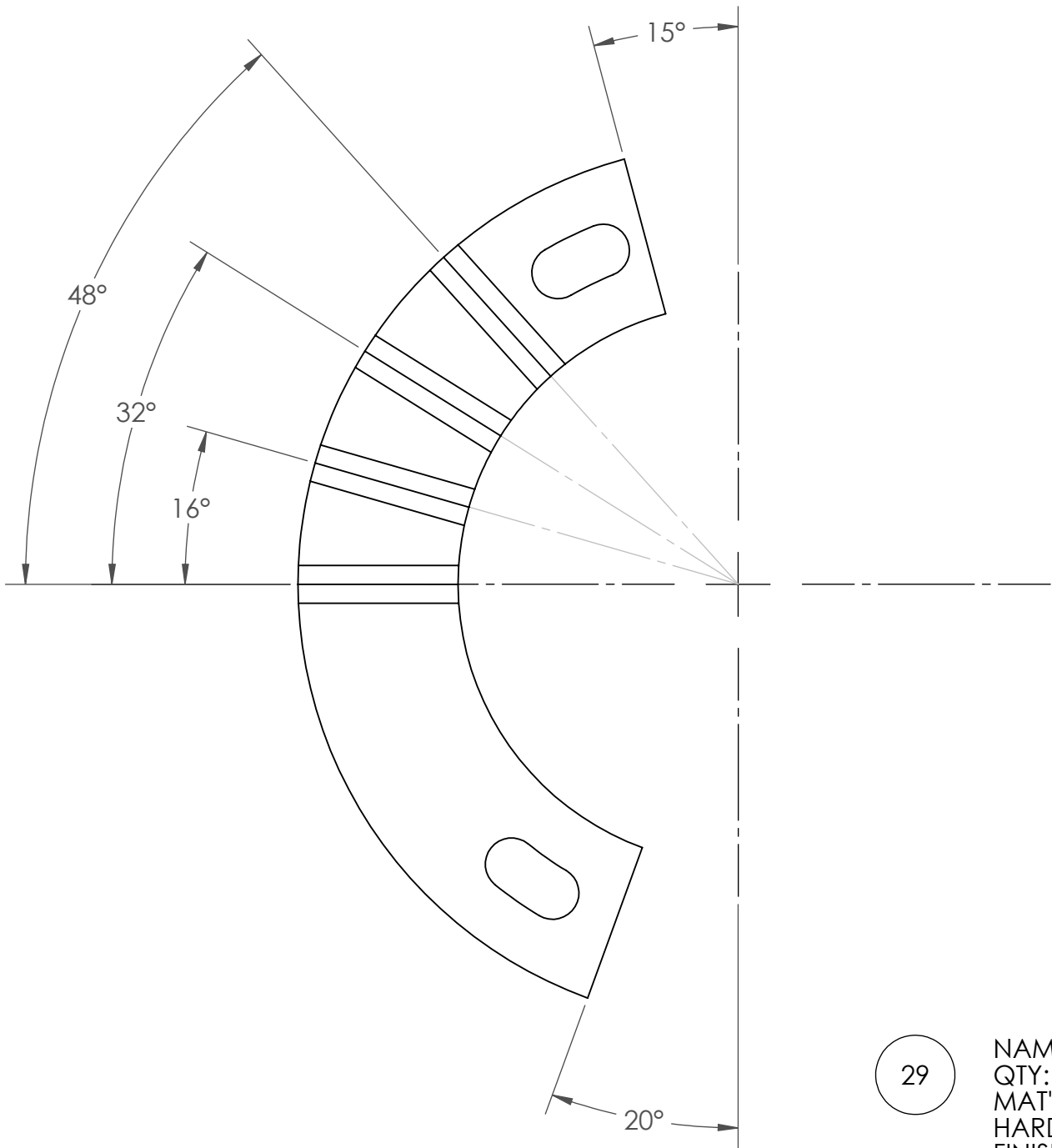
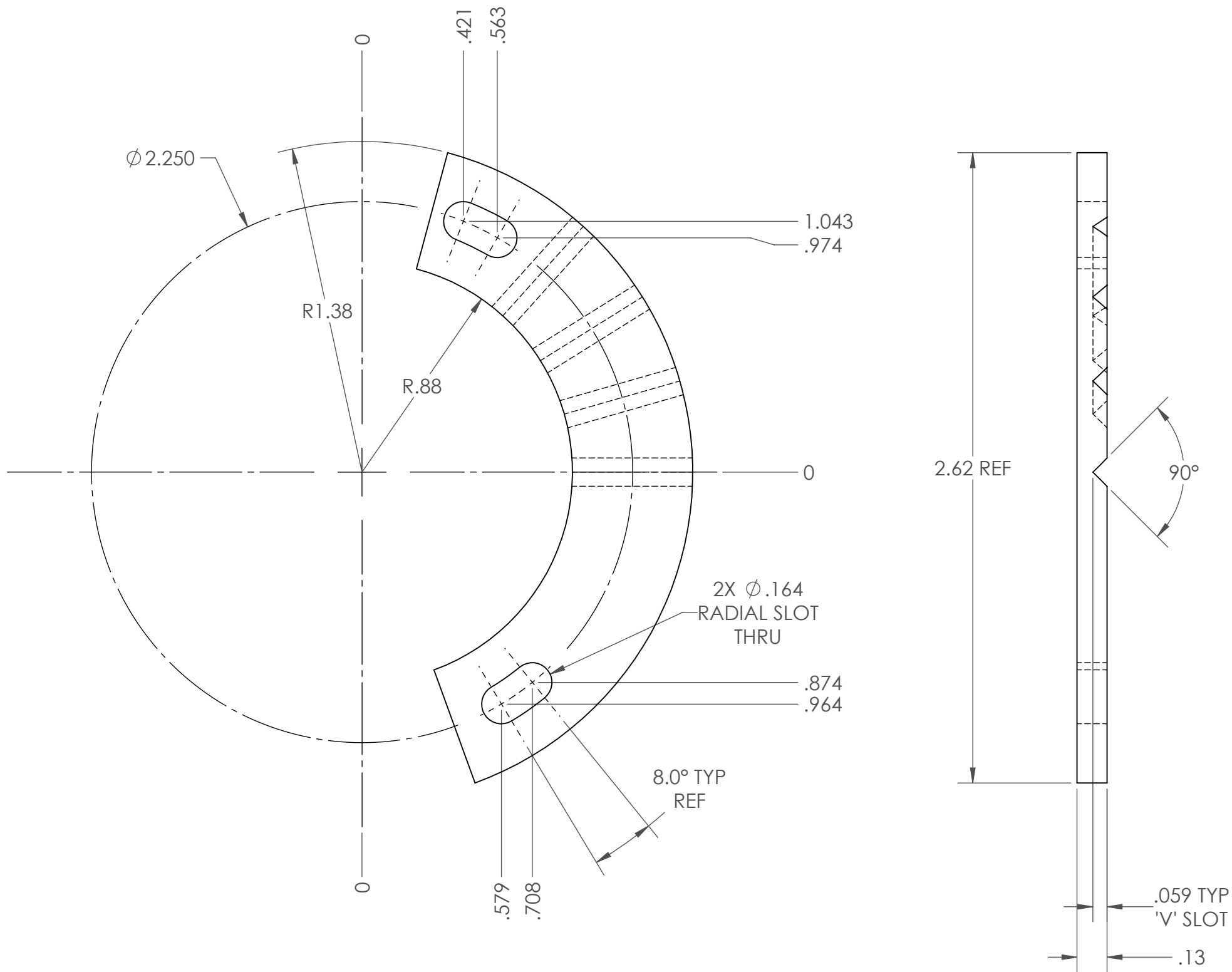
NOTE: DO NOT SCALE DRAWING ! ALL TOLERANCES UNLESS OTHERWISE SPECIFIED ARE				UNIVERSITY OF ROCHESTER DEPT. OF PHYSICS AND ASTRONOMY SIDNEY W. BARNES RESEARCH LABORATORY			
DIMENSIONS ARE IN: [X] INCHES [mm] [] mm [IN]				TITLE JANUS DETECTOR			
x.xx [x.x] ± .010 [.3] x.xxx [x.xxx] ± .005 [.13] x.xxxx [x.xxxx] ± .0005 [.013] xx/xx ± 1/32 x° ± 1°				THIRD ANGLE PROJECTION 		DRAWN RSF DATE 3/17/2011 CHECKED RSF DATE 3/17/2011 APPROVED RSF DATE -	
THIS IS THE PROPERTY OF THE UNIVERSITY OF ROCHESTER. ANY USE OR REPRODUCTION WITHOUT AUTHORIZATION BY THIS UNIVERSITY IS PROHIBITED.				SIZE DWG NO D -		REV -	
SCALE 1:2				SHEET 12 OF 17		FILE: JANUS	

WEIGHT: 1.15 LBS

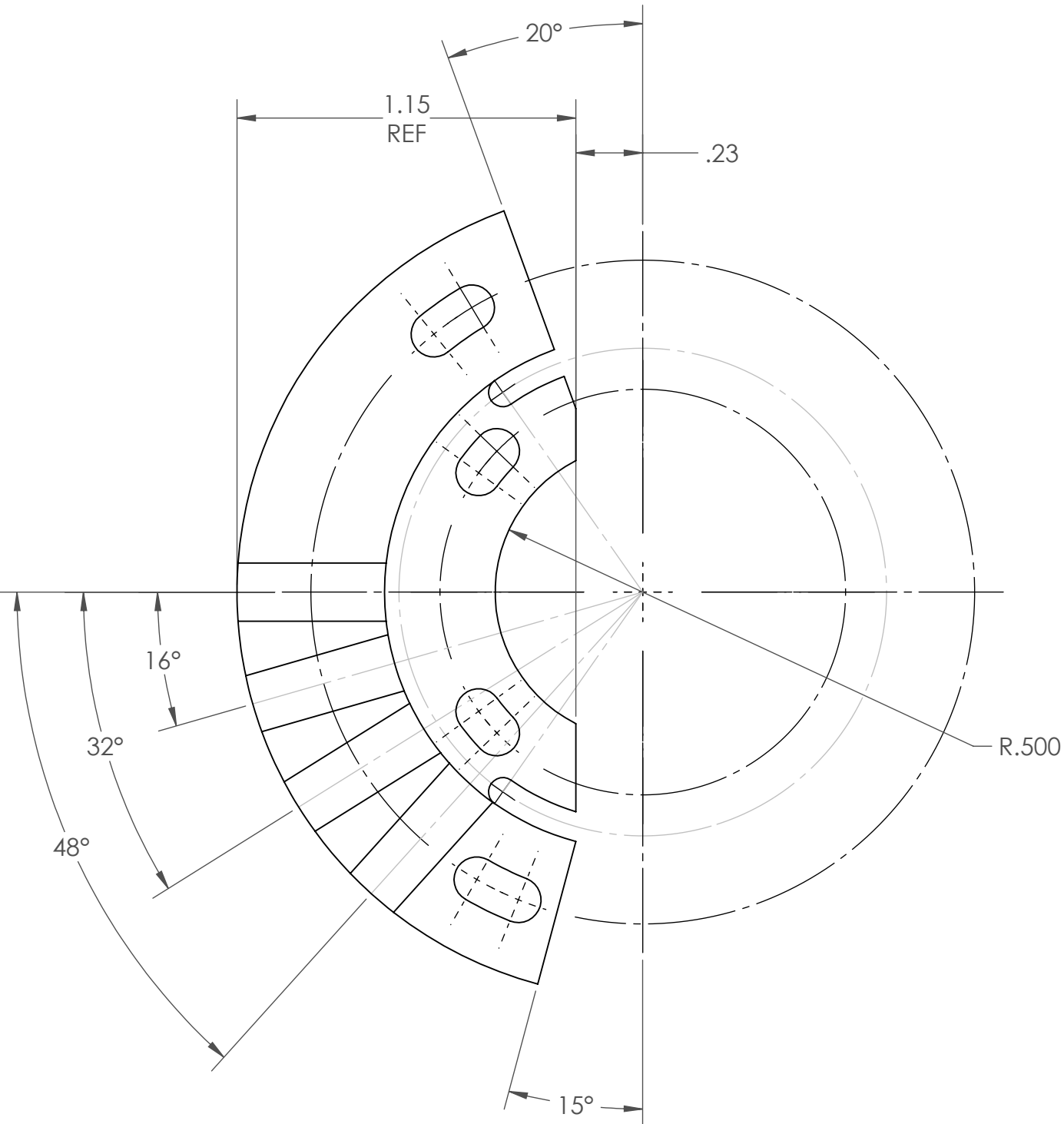
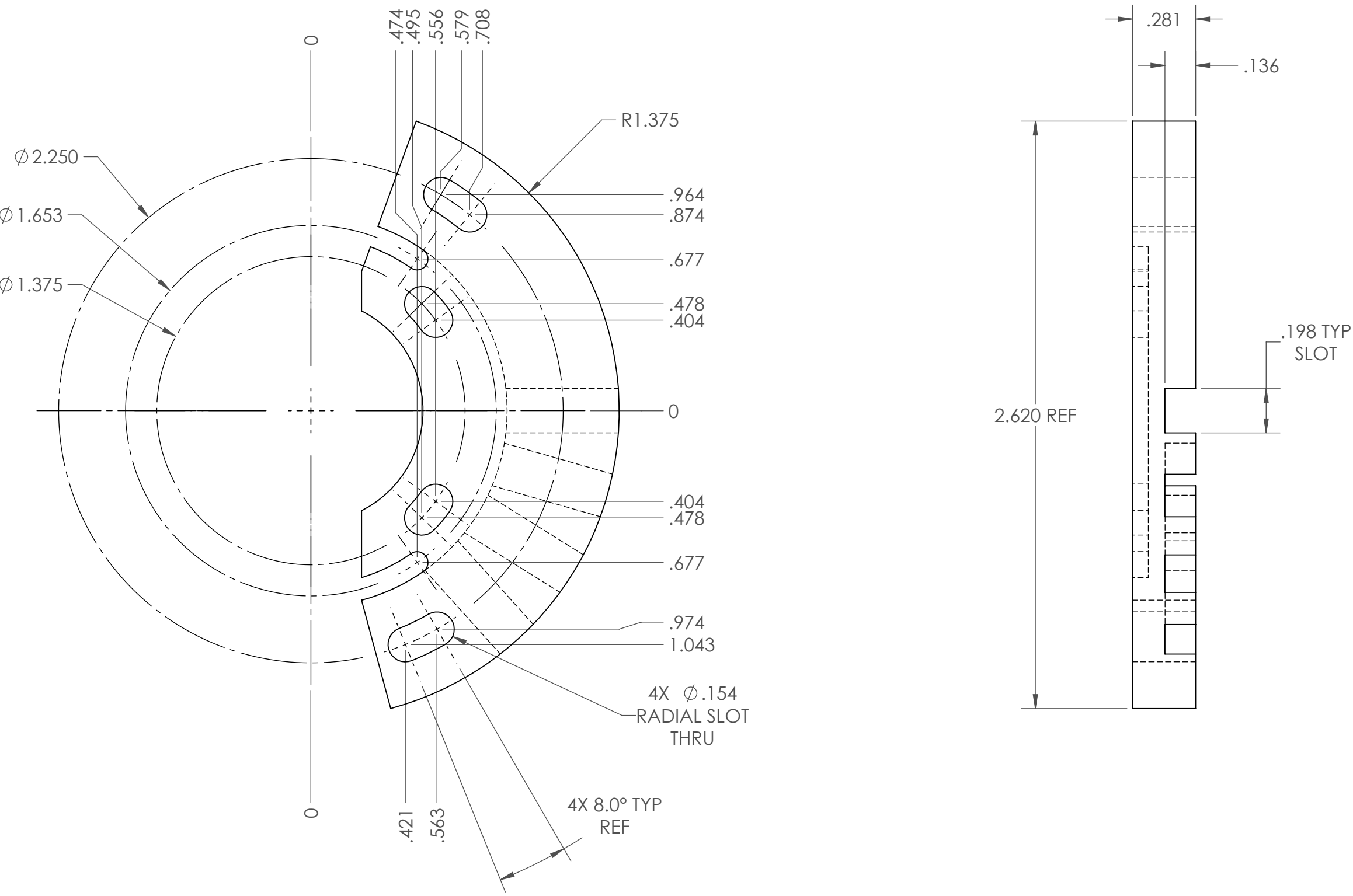
1

A

B



29 NAME: ROD LOCK CAP
QTY: 1
MAT'L: ALUM
HARD'N: -
FINISH: -
SIZE/TYPE: .13 x 1.11 x 2.62
WEIGHT: 0.02



30 NAME: ROD LOCK
QTY: 1
MAT'L: ALUM
HARD'N: -
FINISH: -
SIZE/TYPE: .28 x 1.15 x 2.62
WEIGHT: 0.03

NOTE: DO NOT SCALE DRAWING !
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DIMENSIONS ARE IN:
[X] INCHES [mm] [] mm [IN]

x.xx [x.x]	± .010 [.3]
x.xxx [x.xx]	± .005 [.13]
x.xxxx [x.xxx]	± .0005 [.013]
xx/xx	± 1/32
x°	± 1°

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TITLE

JANUS DETECTOR

THIRD ANGLE PROJECTION

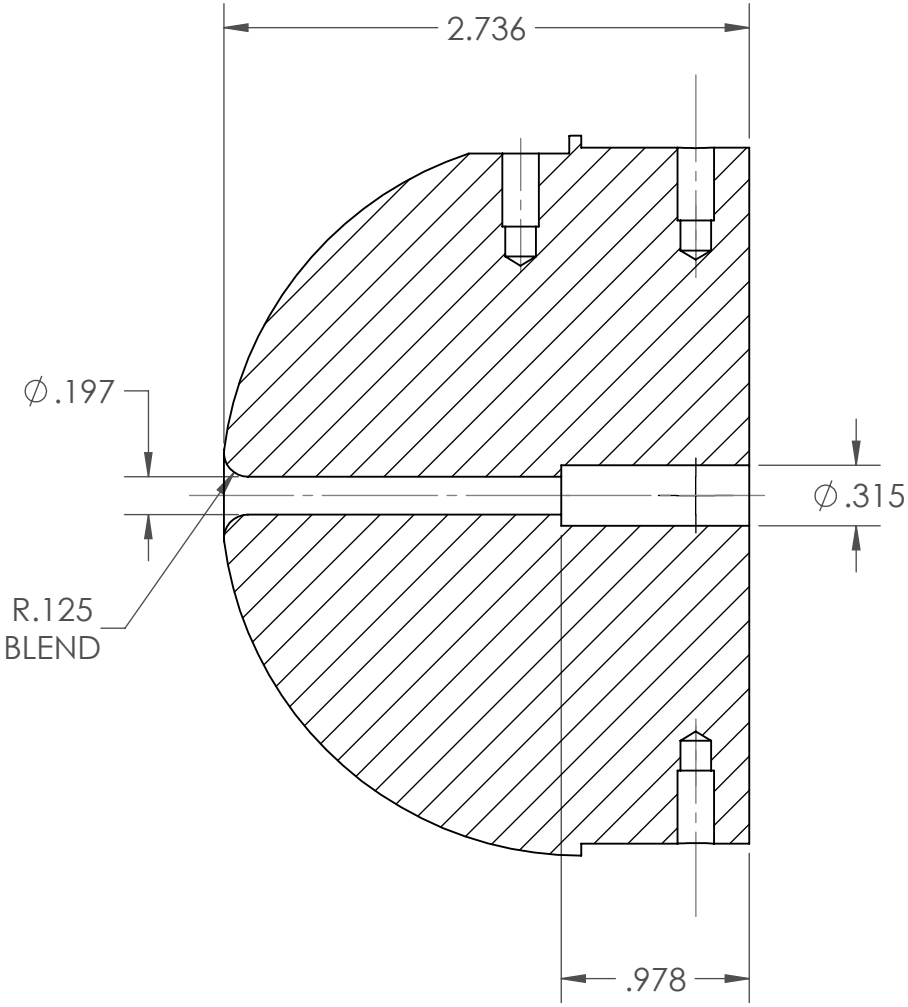
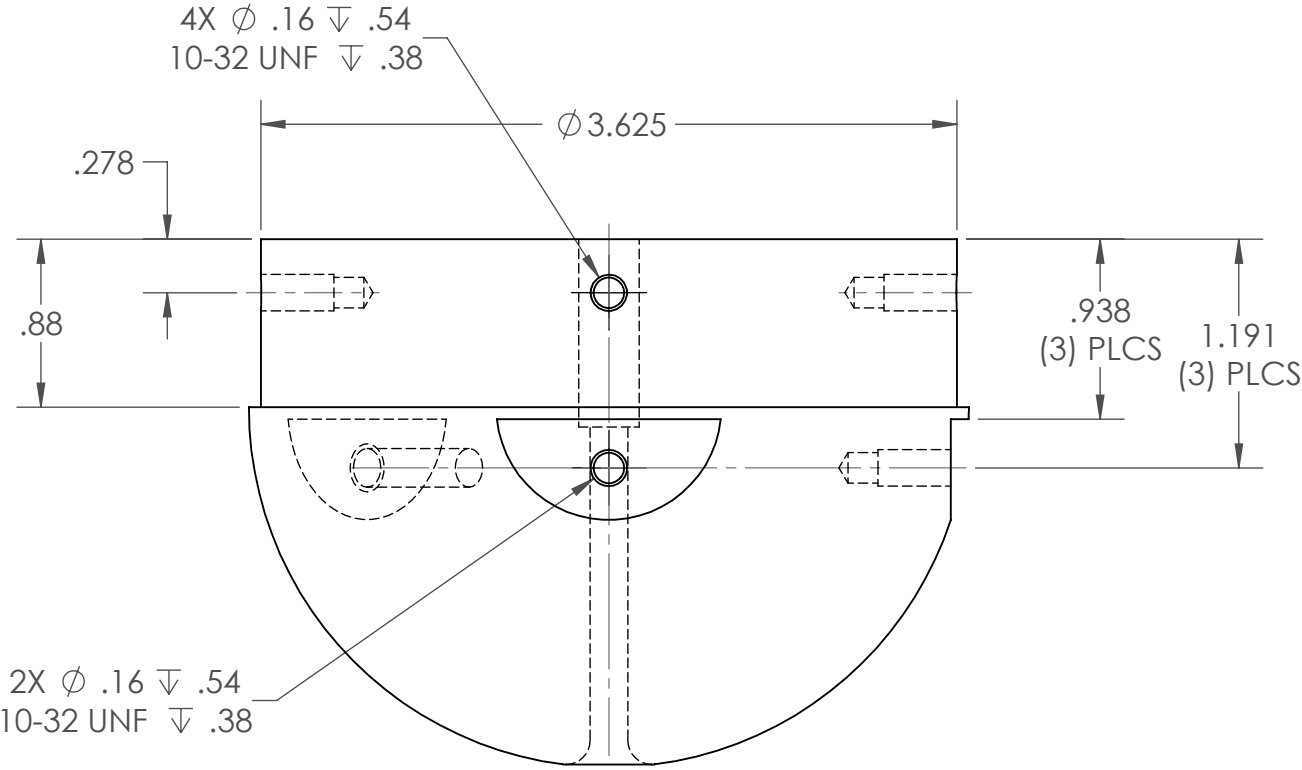
DRAWN	RSF	DATE	3/17/2011
CHECKED	RSF	DATE	3/17/2011
APPROVED	RSF	DATE	-

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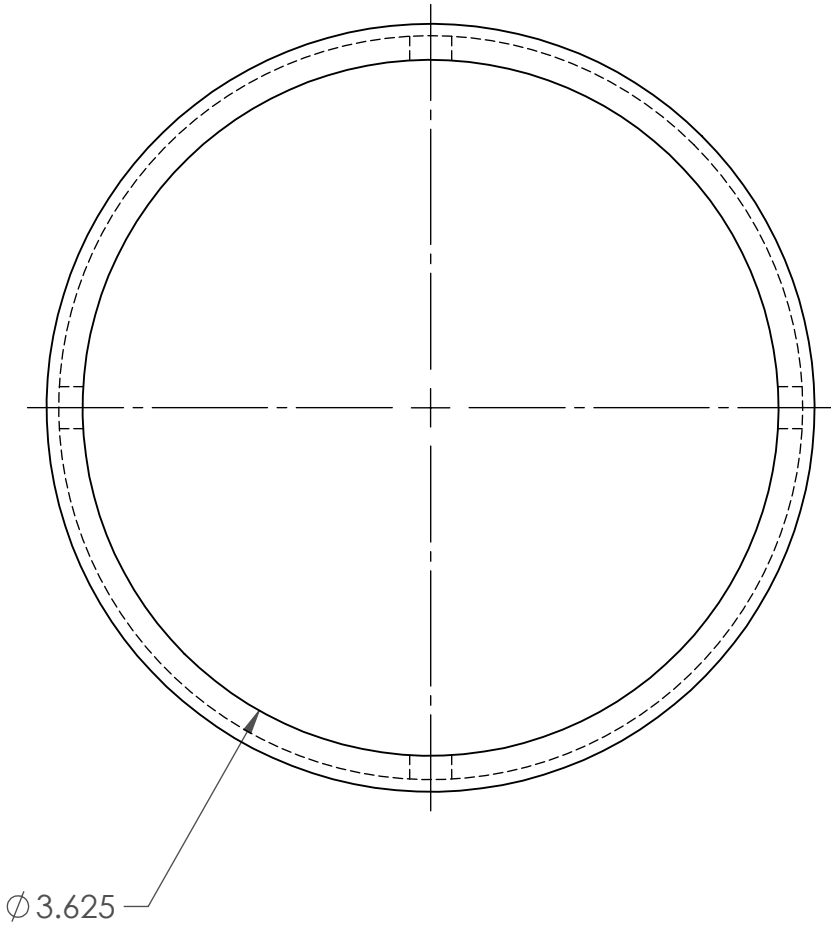
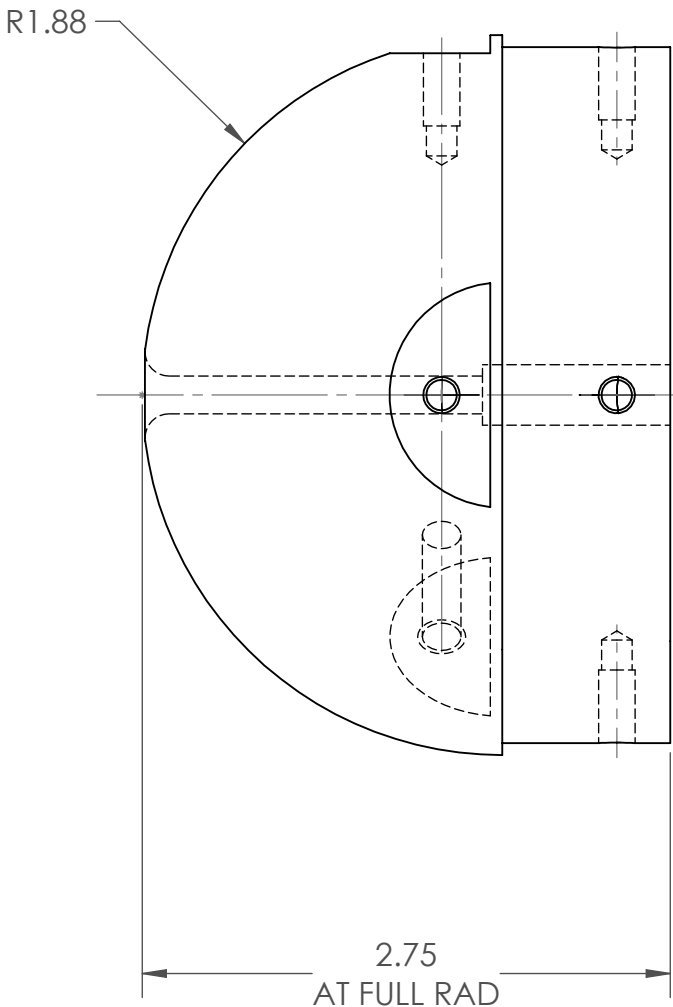
SIZE	DWG NO	REV
D		-

SCALE	2:1	SHEET	13	OF	17
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WEIGHT: 0.02 LBS

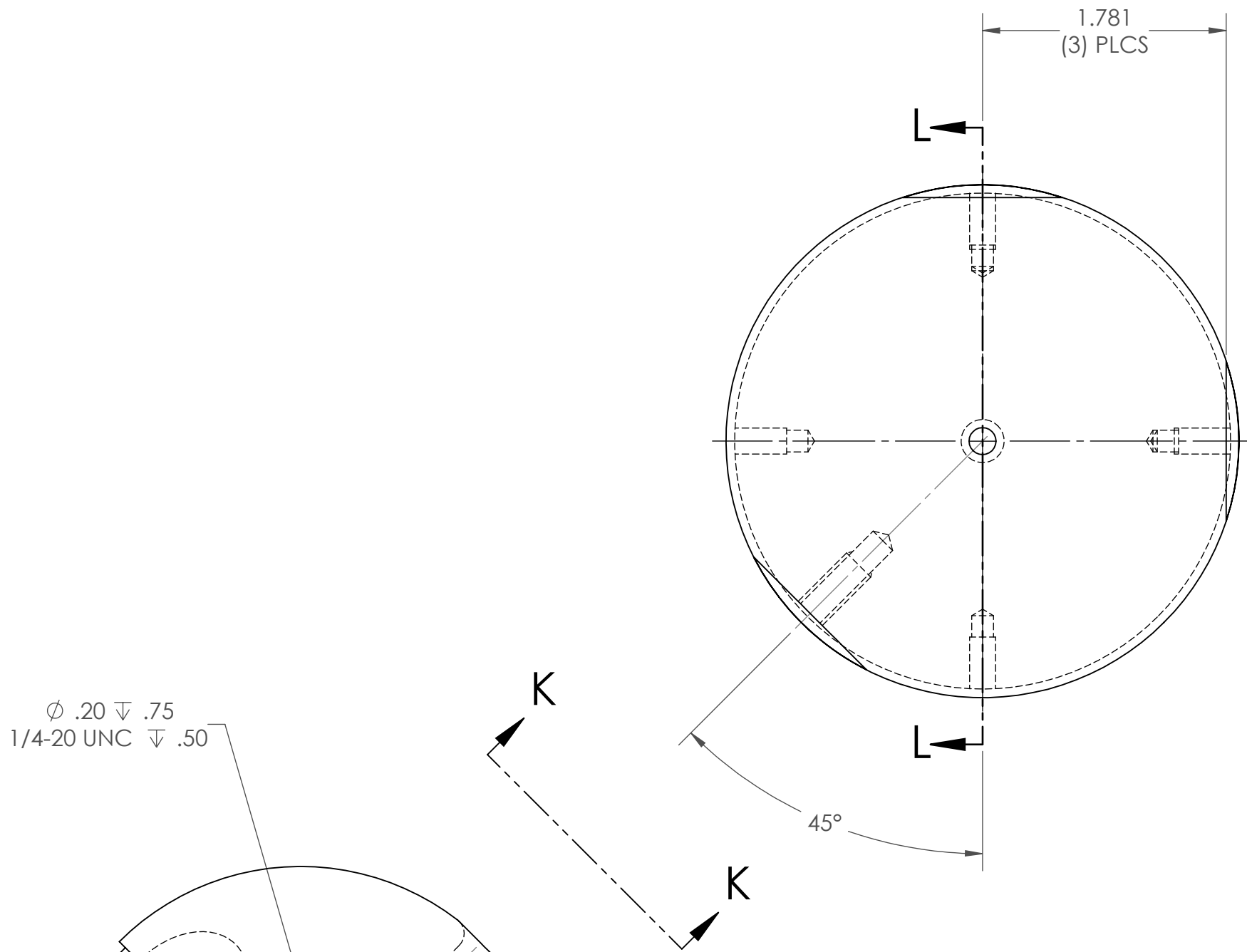
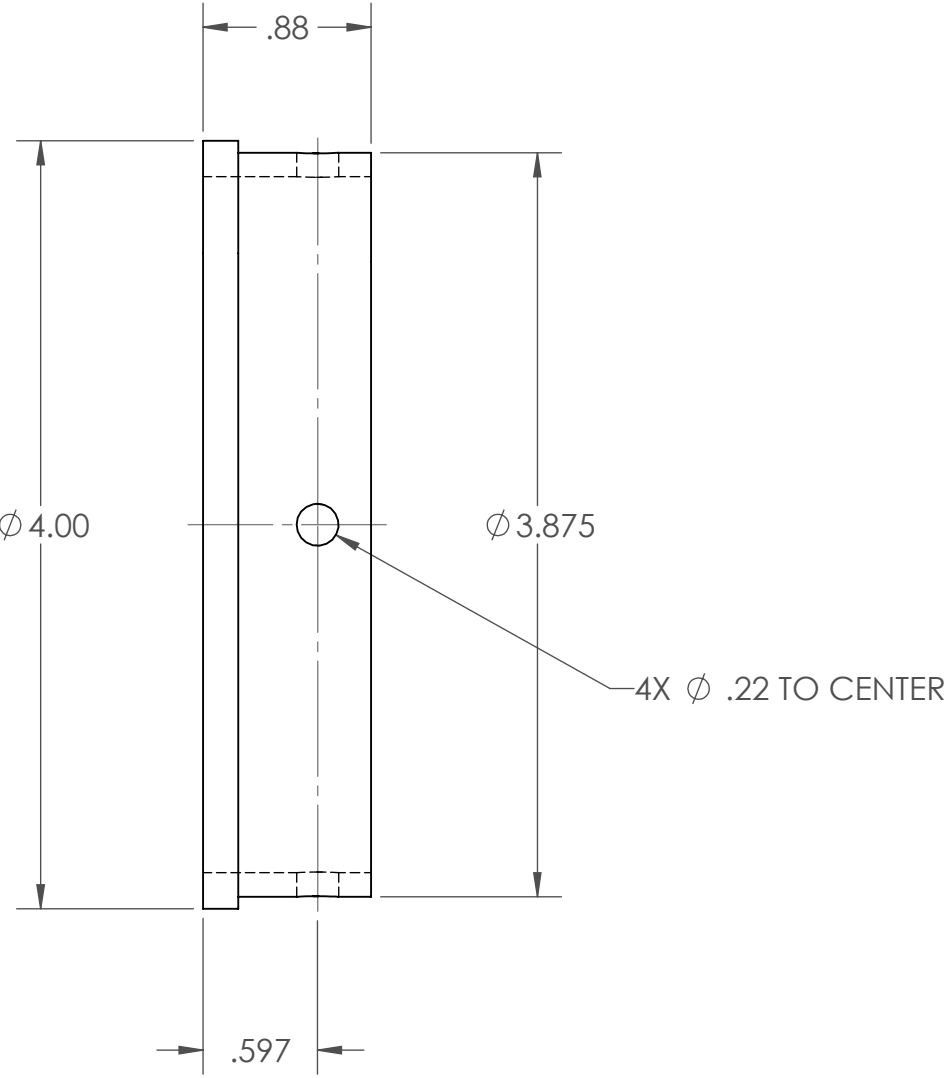


SECTION L-L



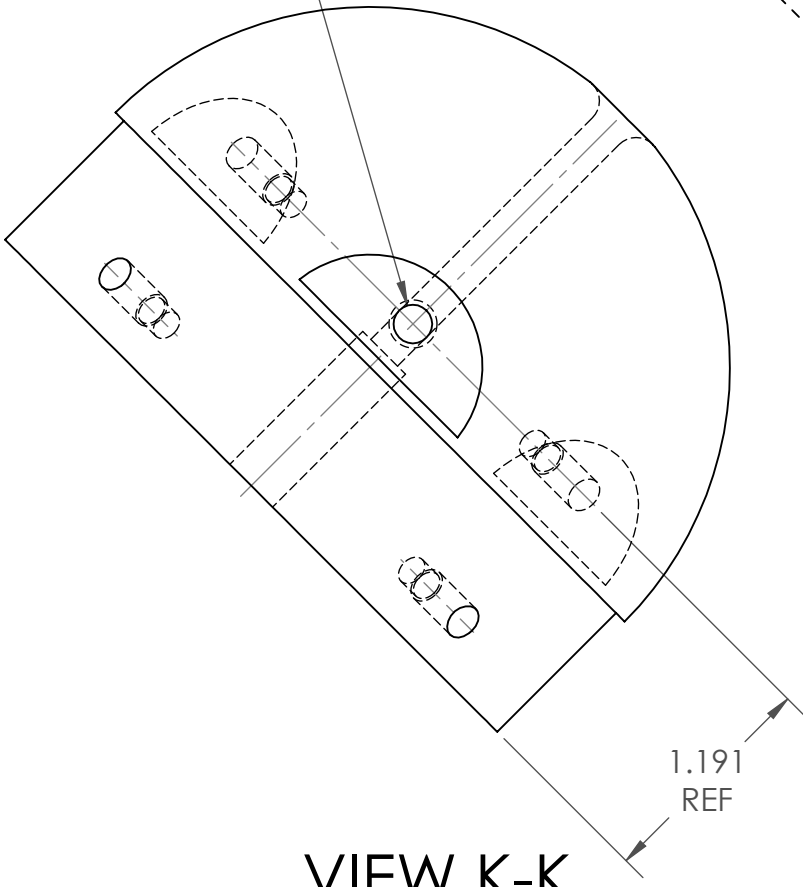
31

NAME: COLLIMATOR SLEEVE
QTY: 1
MAT'L: DELRIN
HARD'N: -
FINISH: -
SIZE/TYPE: 4.00 DIA x 2.75 LG
WEIGHT: 0.07



33

NAME: COLLIMATOR
QTY: 1
MAT'L: HEAVIMET
HARD'N: -
FINISH: -
SIZE/TYPE: 4.00 DIA x 2.75 LG
WEIGHT: 15.05

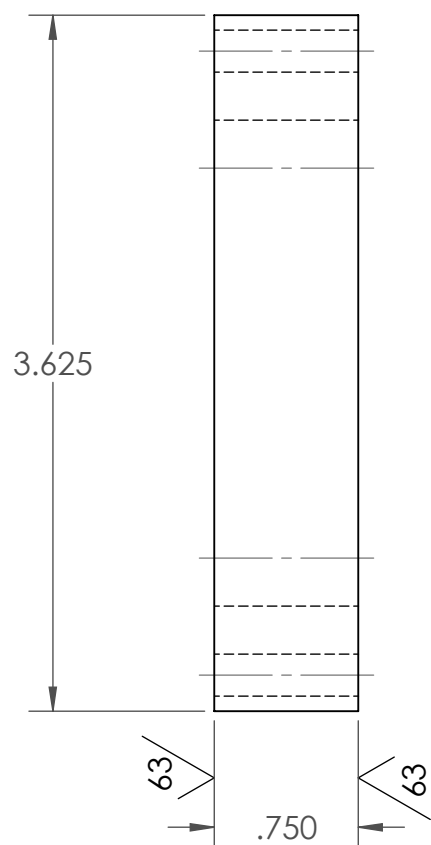
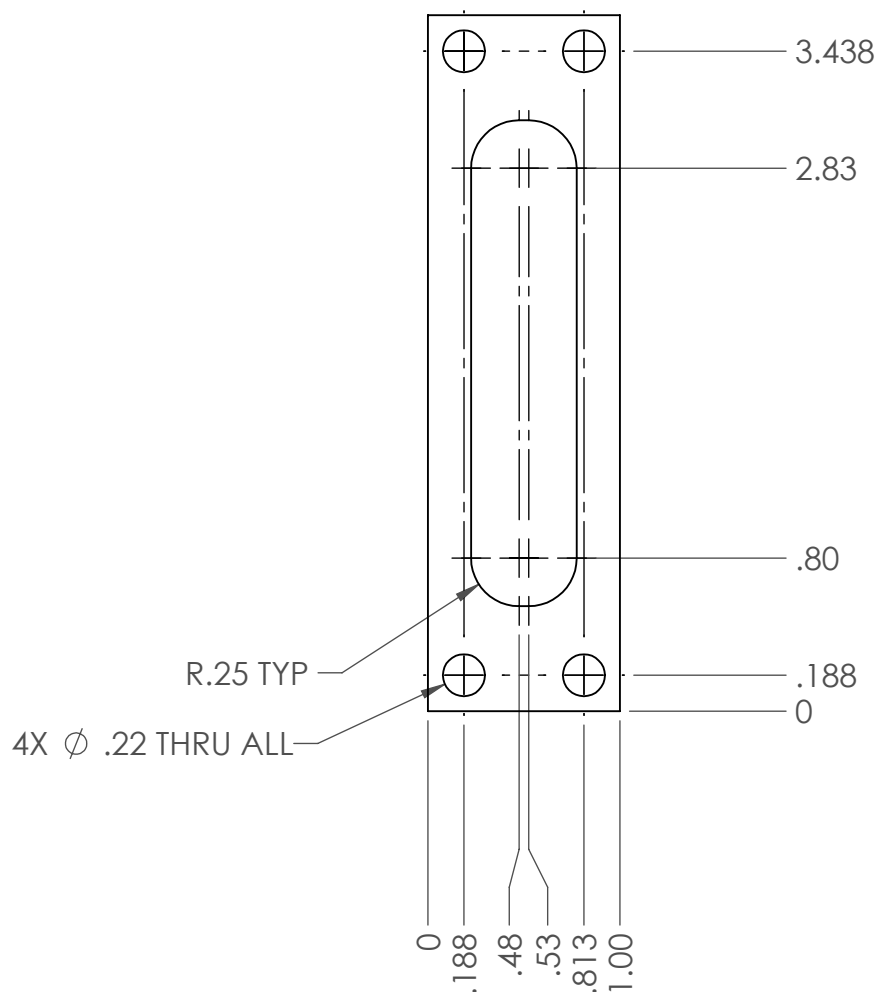


VIEW K-K

NOTE: DO NOT SCALE DRAWING ! ALL TOLERANCES UNLESS OTHERWISE SPECIFIED ARE		UNIVERSITY OF ROCHESTER DEPT. OF PHYSICS AND ASTRONOMY SIDNEY W. BARNES RESEARCH LABORATORY			
DIMENSIONS ARE IN: [X] INCHES [mm] [] mm [IN]		TITLE JANUS DETECTOR			
x.xx [x.x] ± .010 [.3] x.xxx [x.xxx] ± .005 [.13] x.xxxx [x.xxxx] ± .0005 [.013] xx/xx ± 1/32 x° ± 1°		THIRD ANGLE PROJECTION 		DRAWN RSF CHECKED RSF APPROVED RSF	DATE 3/17/2011 DATE 3/17/2011 DATE -
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SCALE 1:1		SHEET 14	OF 17		

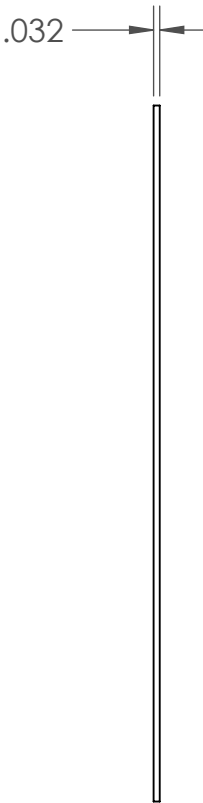
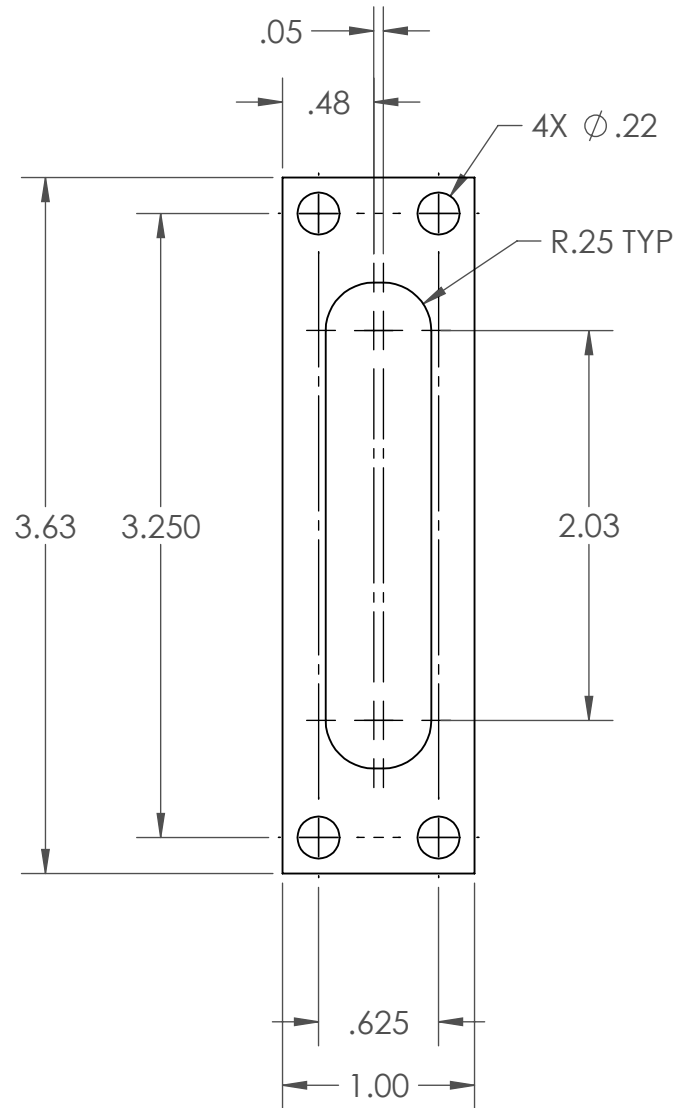
B

B



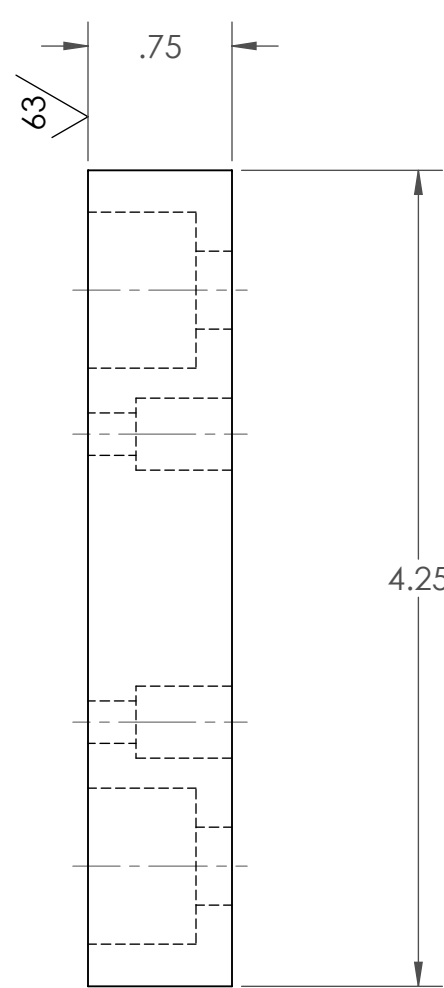
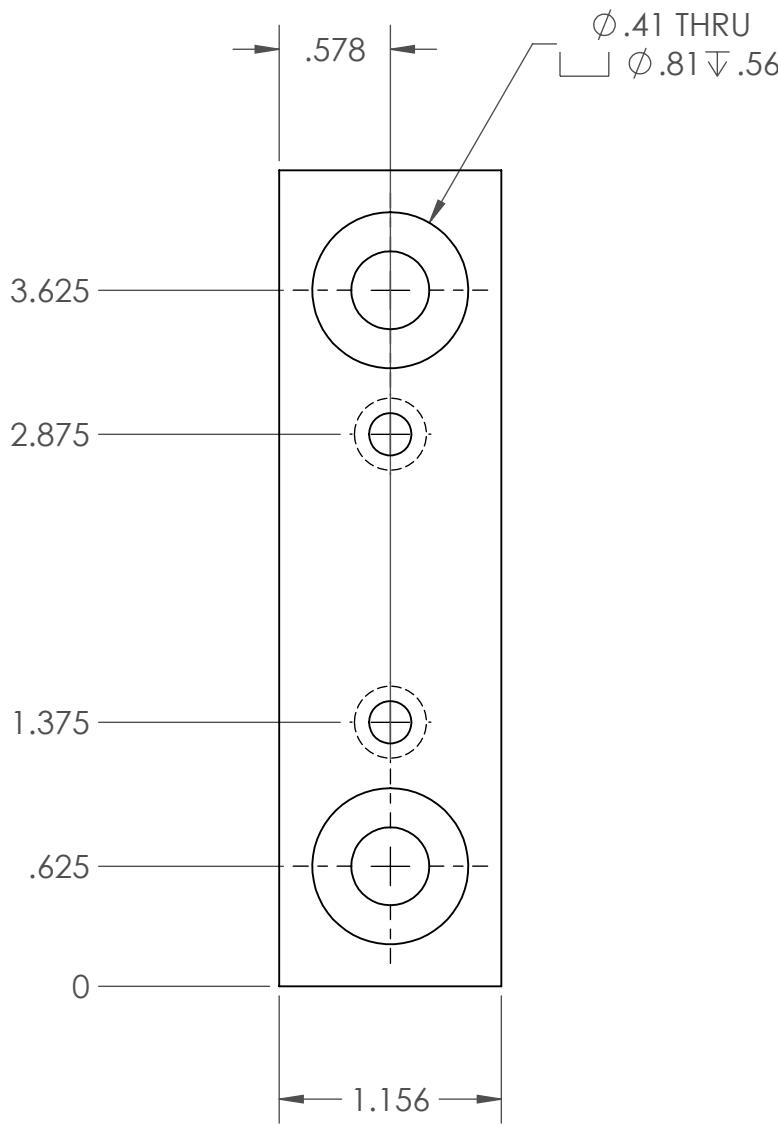
32

NAME: PLUG MOUNT
QTY: 2
MAT'L: ALUM
HARD'N: -
FINISH: -
SIZE/TYPE: .75 x 1.00 x 3.63
WEIGHT: 0.16



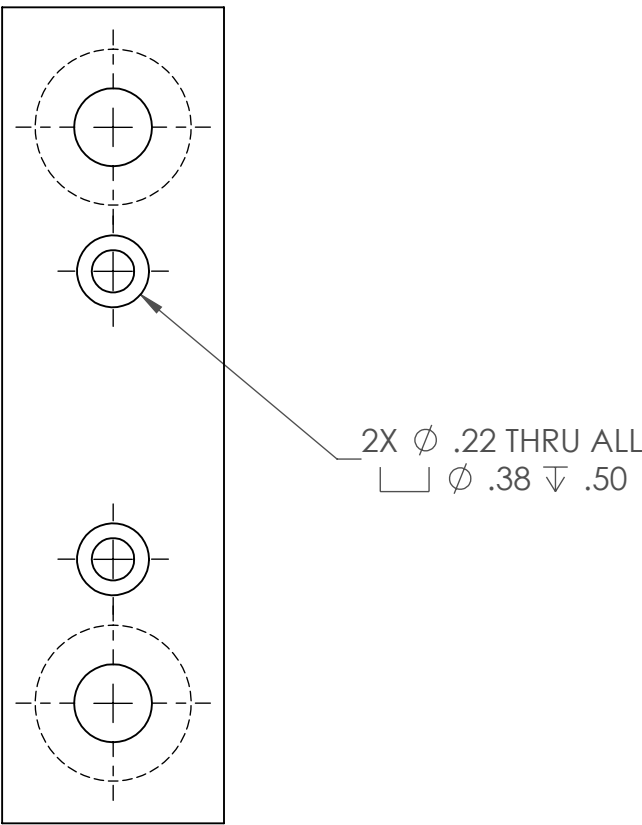
38

NAME: PLUG MOUNT GASKET
QTY: 2
MAT'L: BUNA
HARD'N: -
FINISH: -
SIZE/TYPE: .03 x 1.00 x 3.63
WEIGHT: 0.003



35

NAME: BNC MOUNT
QTY: 1
MAT'L: ALUM
HARD'N: -
FINISH: -
SIZE/TYPE: .75 x 1.16 x 4.25
WEIGHT: 0.29



A

A

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DIMENSIONS ARE IN:
X INCHES [mm] mm [IN]

x.xx [x.x] ± .010 [.3]
x.xxx [x.xx] ± .005 [.13]
x.xxxx [x.xxx] ± .0005 [.013]
xx/xx ± 1/32
x° ± 1°

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TITLE

JANUS DETECTOR

THIRD ANGLE PROJECTION

DRAWN RSF DATE 3/17/2011
CHECKED RSF DATE 3/17/2011
APPROVED RSF DATE -

SIZE DWG NO
D JANUS

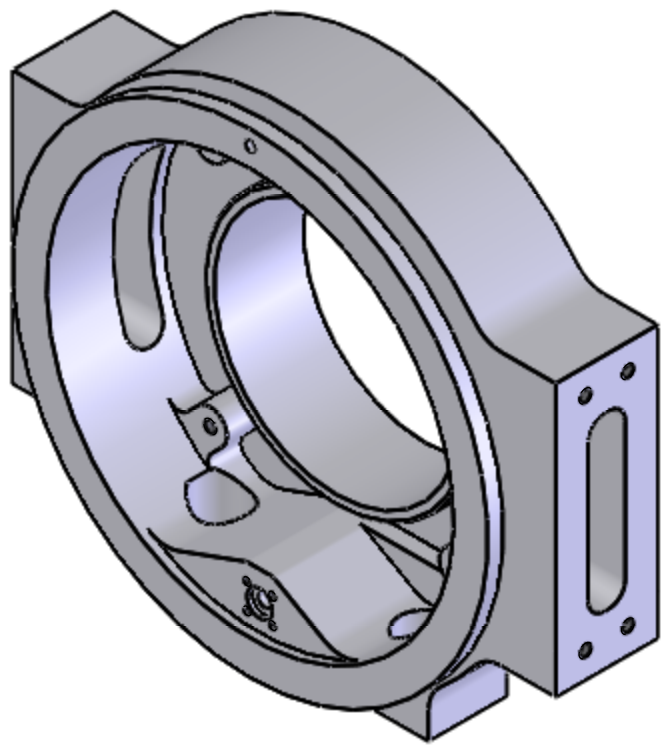
SCALE 1:1 SHEET 15 OF 17

WEIGHT: 0.16 LBS

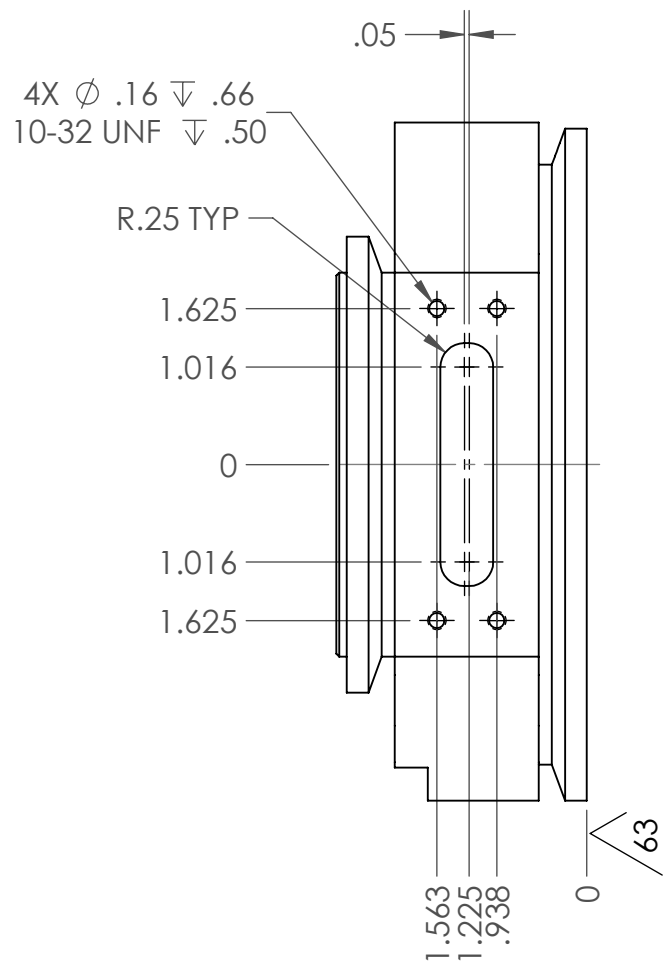
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REV
-

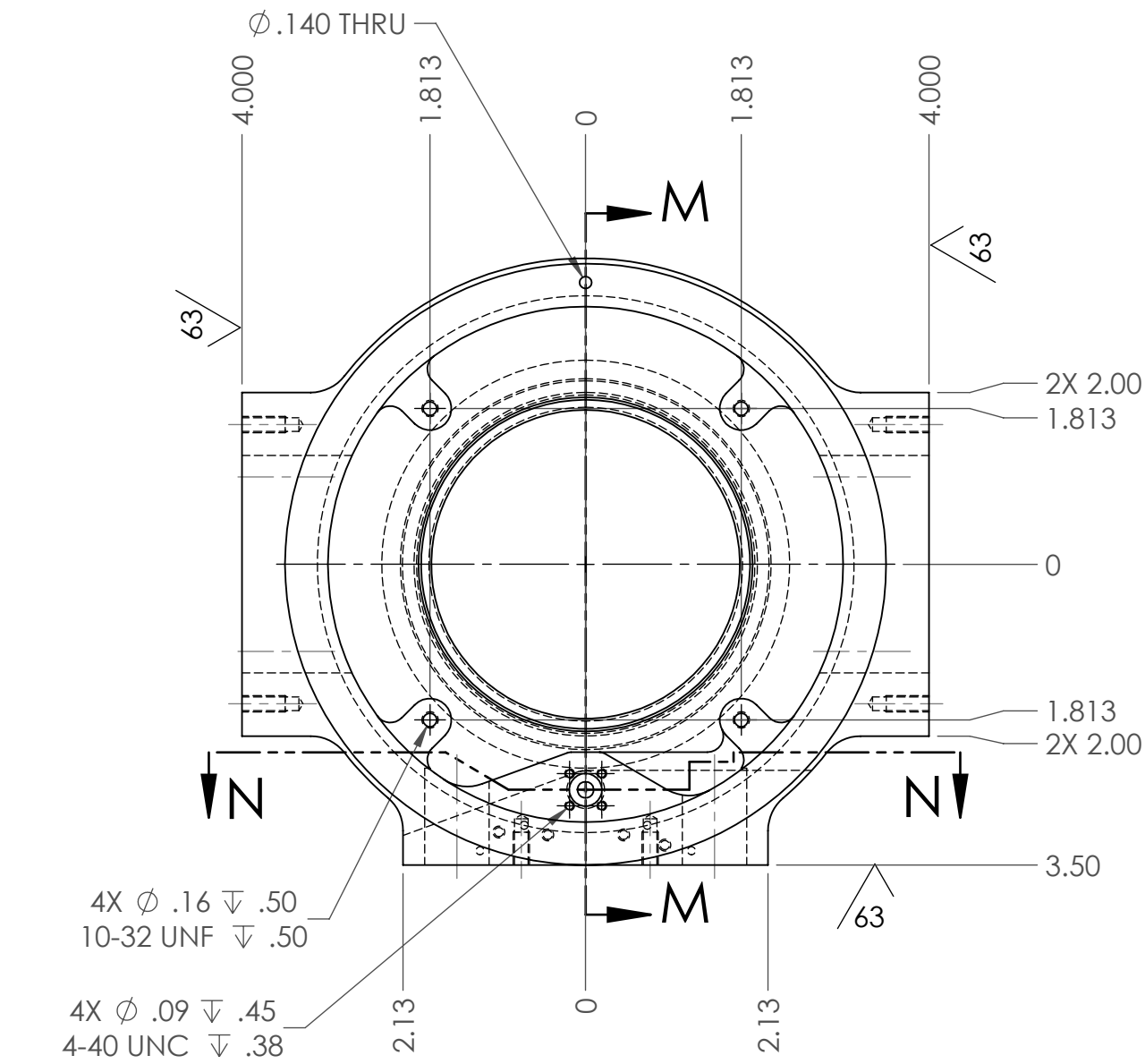
FILE: JANUS



B



4X Ø .16 ±.66
10-32 UNF ±.50
R.25 TYP
1.625
1.016
0
1.016
1.625
1.563
1.250
.750
.05
0 $\sqrt{63}$



Technical drawing of a flange coupling, showing front and side views with dimensions and tolerances.

Front View Dimensions:

- Overall diameter: $\phi .140$ THRU
- Outer diameter: 4.000
- Inner diameter: 1.813
- Central hole diameter: 0
- Flange thickness: 0.63
- Inner hole diameter: 1.813
- Outer diameter: 4.000

Side View Dimensions:

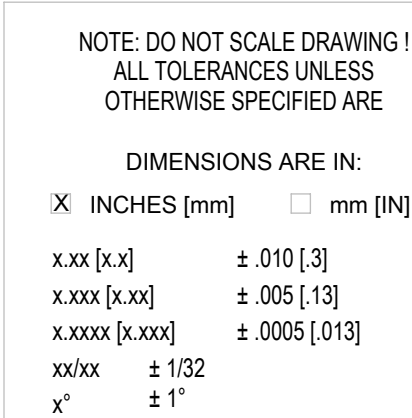
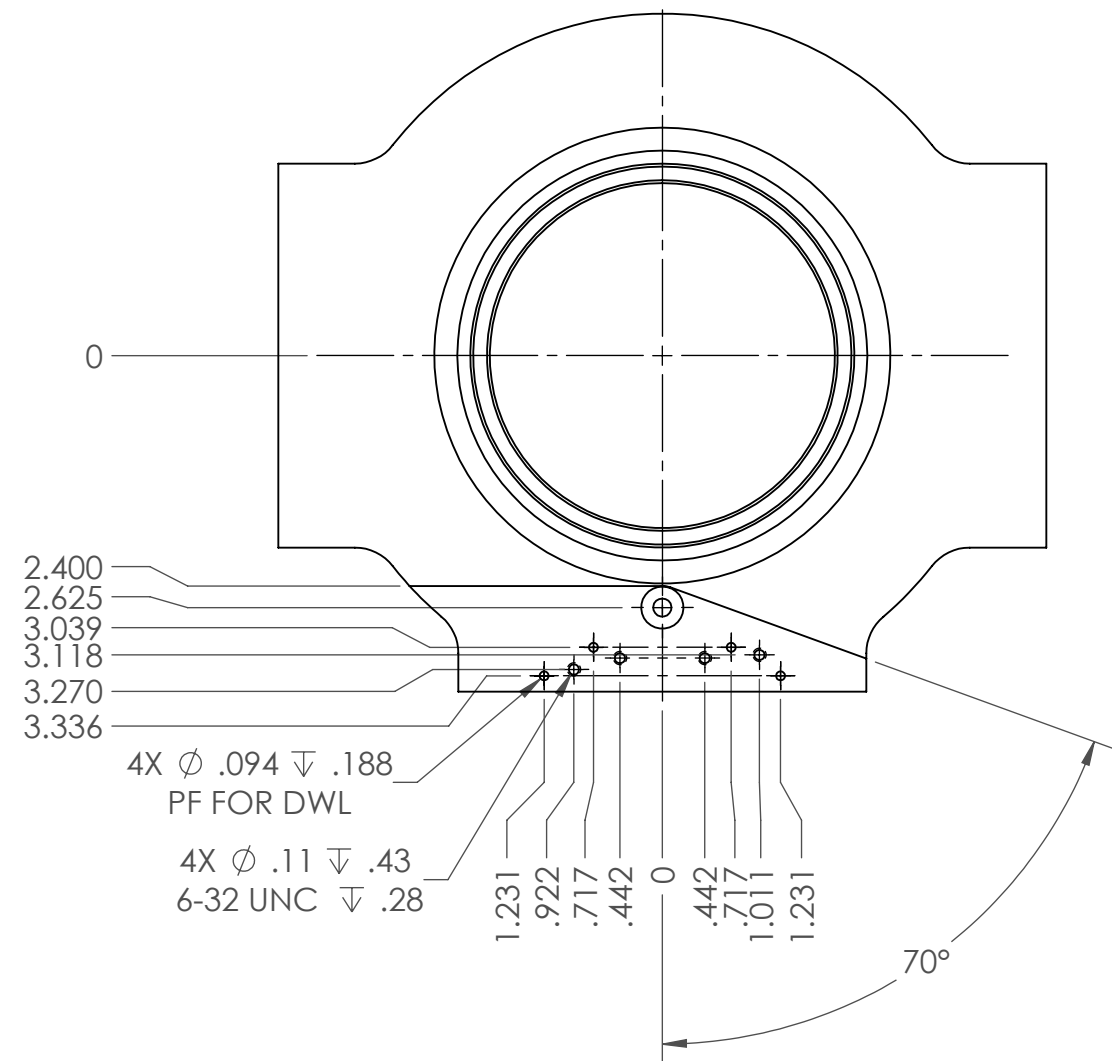
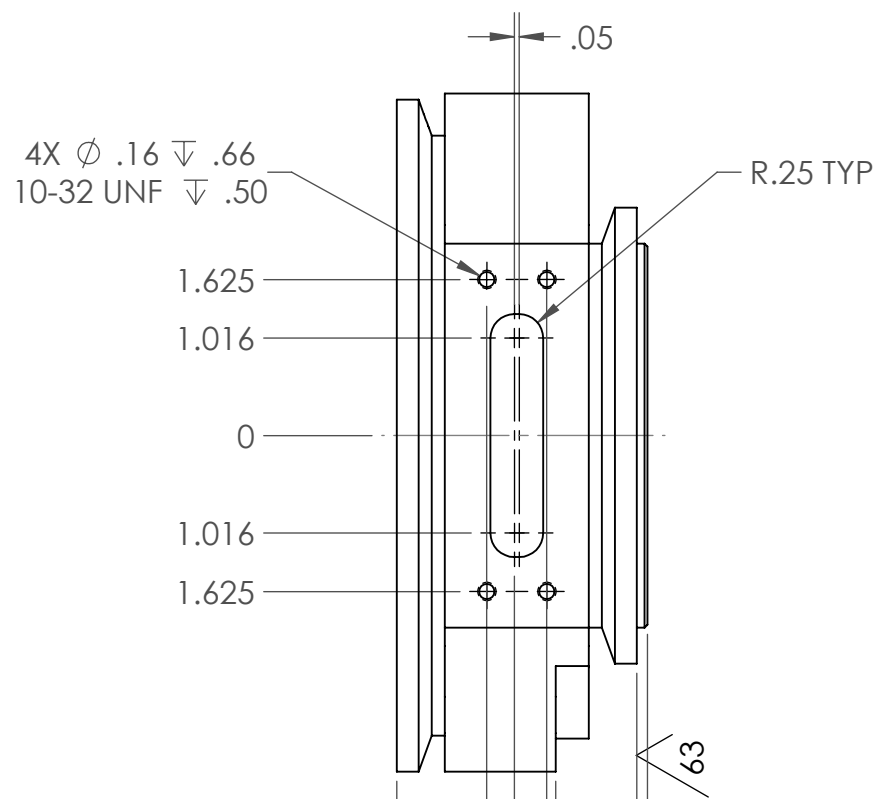
- Overall diameter: 3.50
- Inner diameter: 1.813
- Outer diameter: 2X 2.00
- Flange thickness: 0.63
- Inner hole diameter: 1.813
- Outer diameter: 2X 2.00

Thread Specifications:

- 4X $\phi .16 \nabla .50$
- 10-32 UNF $\nabla .50$
- 4X $\phi .09 \nabla .45$
- 4-40 UNC $\nabla .38$

Other Features:

- Central hole diameter: 0
- Flange thickness: 0.63
- Inner hole diameter: 1.813
- Outer diameter: 2X 2.00
- Flange thickness: 0.63
- Inner hole diameter: 1.813
- Outer diameter: 2X 2.00



TITLE			
JANUS DETECTOR			
THIRD ANGLE PROJECTION	DRAWN	RSF	DATE 3/17/2011
	CHECKED	RSF	DATE 3/17/2011
	APPROVED	RSF	DATE -

SIZE D	DWG NO					REV
	JANUS					-
SCALE	1:2	SHEET	16	OF	17	

FILE: JANUS

