
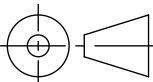


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5-2009		ASSEMBLY DRAWING		 MIT-PSFC	
UNSPECIFIED TOLERANCES REMOVE ALL BURRS AND SHARP EDGES ANGLES ± 1/2°		UNITS: INCHES		TITLE: RTF LENS HOLDING FIXTURE	
INCHES Ra 125 µin ✓ 3 PLACES ± .005 2 PLACES ± .010 1 PLACE ± .100	MM Ra 3.2 µm ✓ 3 PLACES ± 0.1 2 PLACES ± 0.25 1 PLACE ± 0.75	DRAWN BY: J.Estrada		DATE: 3/8/2024	SIZE C
DO NOT SCALE DRAWING		ENGINEERING APPR. R.Vieira	DATE: 3/8/2024	PROJECT MANAGER:	SCALE: 1:1
				DWG. NO. N/A	REV. A
				SHEET 1 OF 2	

4

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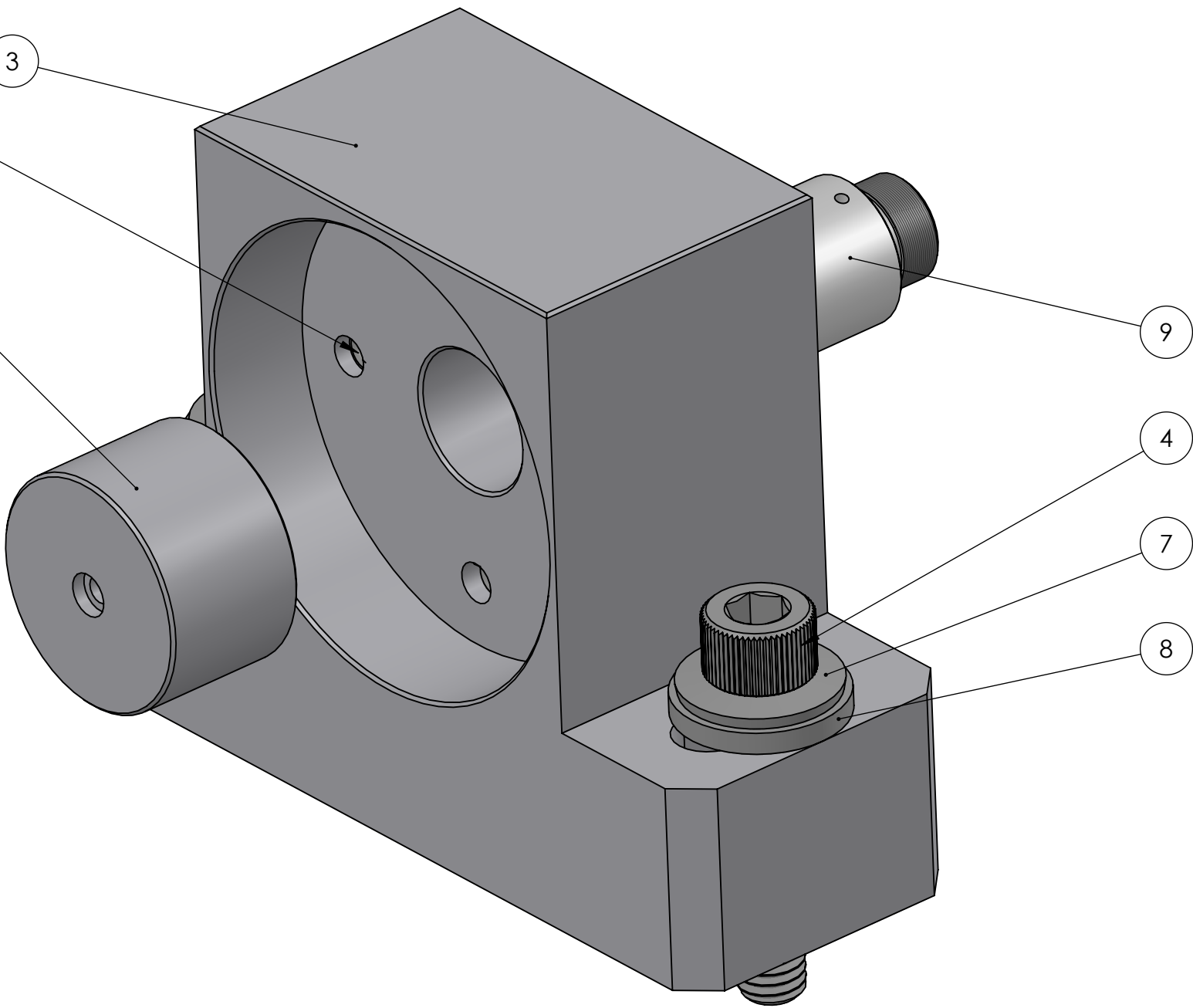
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D

C

B

A



ITEM NO.	DESCRIPTION	Vendor	PartNo	MakeOrBuy	QTY.
1	3MM CONE	N/A	N/A	Make	1
2	3MM SLEEVE	N/A	N/A	Make	1
3	HF BASE	N/A	N/A	Make	1
4	18-8 Stainless Steel Socket Head Screw, 10-32 Thread Size, 1" Long	McMaster-Carr	92196A274	Buy	2
5	Super-Corrosion-Resistant 316 Stainless Steel Socket Head Screw, 4-40 Thread Size, 5/8" Long	McMaster-Carr	92185A111	Buy	4
6	18-8 Stainless Steel Helical Insert, 4-40 Right-Hand Thread, 0.280" Long	McMaster-Carr	91732A702	Buy	4
7	Belleville Spring Lock Washer, 17-7 PH Stainless Steel, for Number 10 Screw Size, 0.197" ID, 0.465" OD	McMaster-Carr	91235A109	Buy	2
8	316 Stainless Steel SAE Washer for Number 10 Screw Size, 0.219" ID, 0.5" OD	McMaster-Carr	91950A027	Buy	2
9	Fiber Collimation Pkg.	ThorLabs	F280FC-780	Buy	1

INTERPRET GEOMETRIC TOLERANCING PER:
ASME Y14.5-2009

UNSPECIFIED TOLERANCES
REMOVE ALL BURRS AND SHARP EDGES
ANGLES ± 1/2°

INCHES	MM
Ra 125 µin ✓	Ra 3.2 µm ✓
3 PLACES ± .005	3 PLACES ± 0.1
2 PLACES ± .010	2 PLACES ± 0.25
1 PLACE ± .100	1 PLACE ± 0.75

DO NOT SCALE DRAWING

ASSEMBLY DRAWING

UNITS:
INCHES

THIRD ANGLE PROJECTION

DRAWN BY:
J.Estrada

ENGINEERING APPR.
R.Vieira

PROJECT MANAGER:

DATE:
3/8/2024

DATE:
3/8/2024

MIT-PSFC

TITLE:
RTF LENS HOLDING FIXTURE

SIZE C	DWG. NO. N/A	REV. A
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SCALE: **1:1**

SHEET 2 OF 2

4

3

2

1

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C

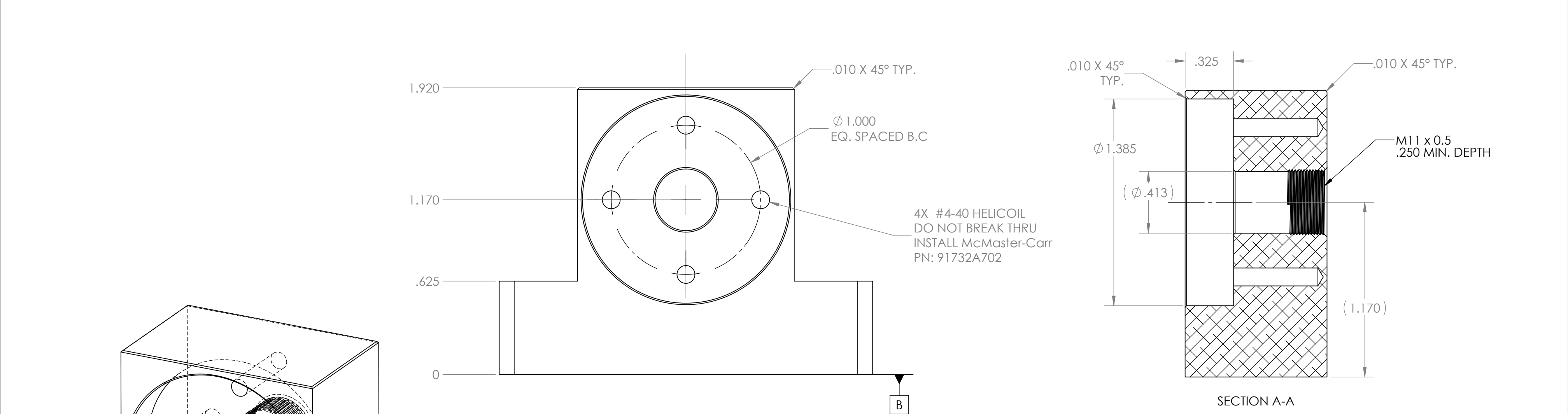
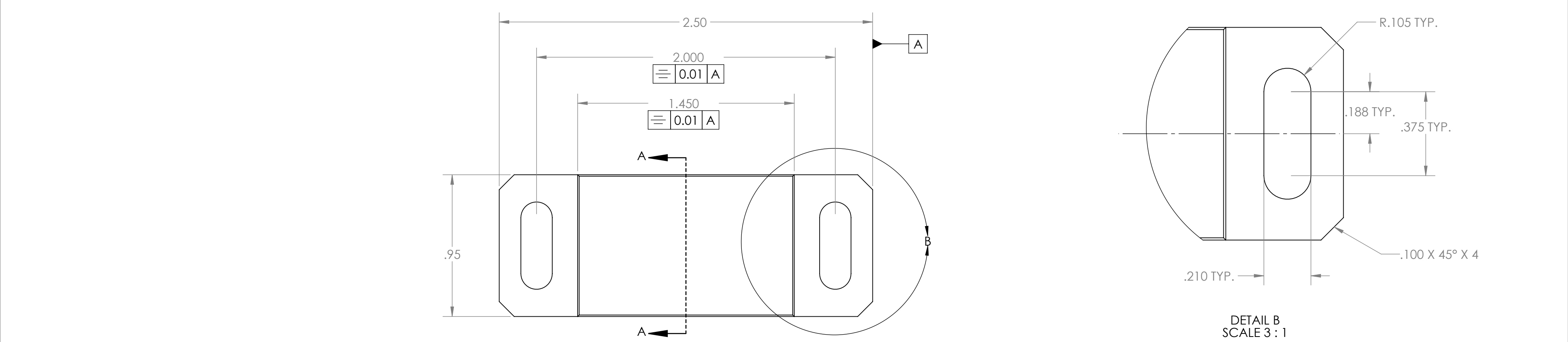
B

A

4

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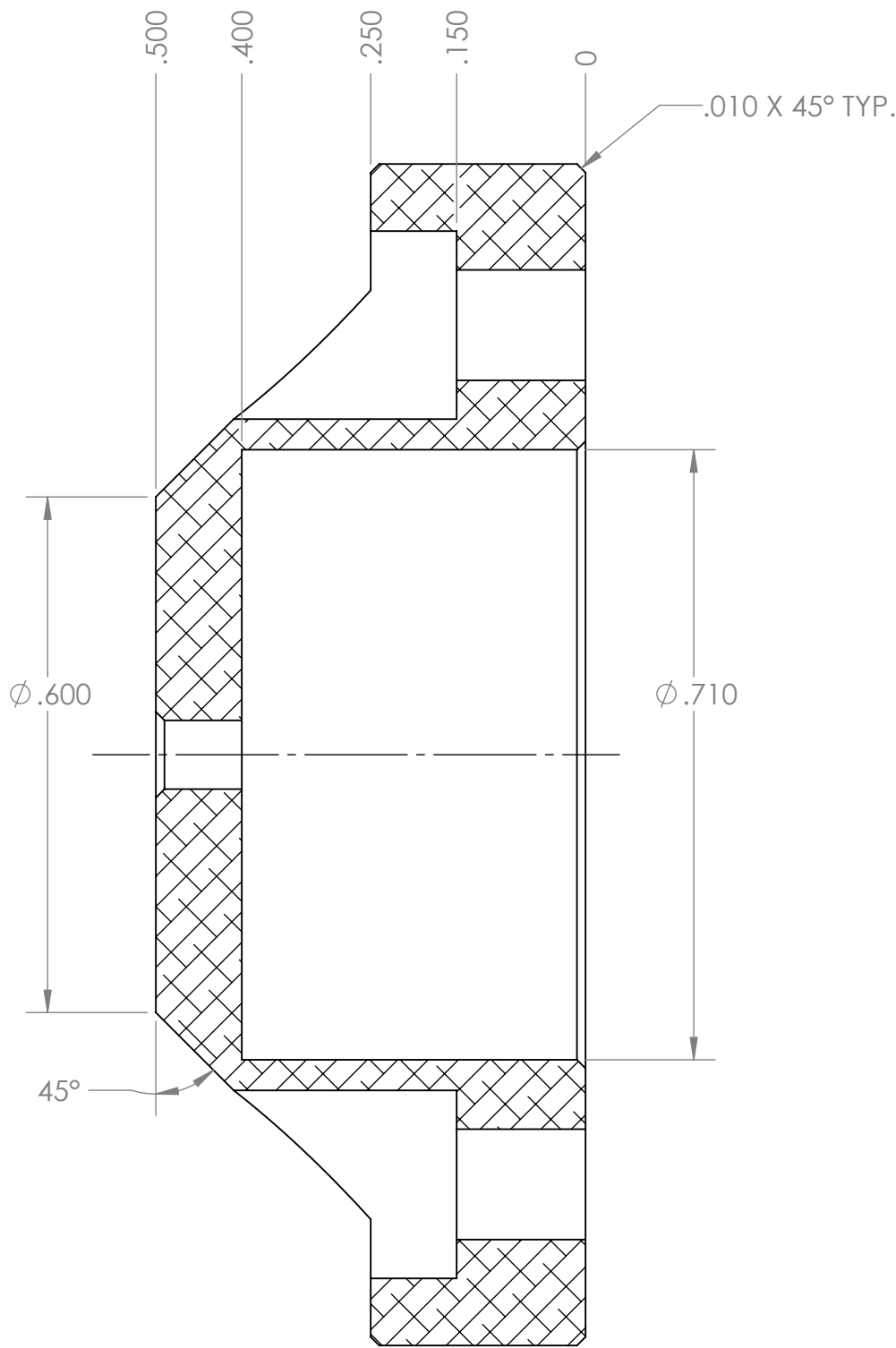
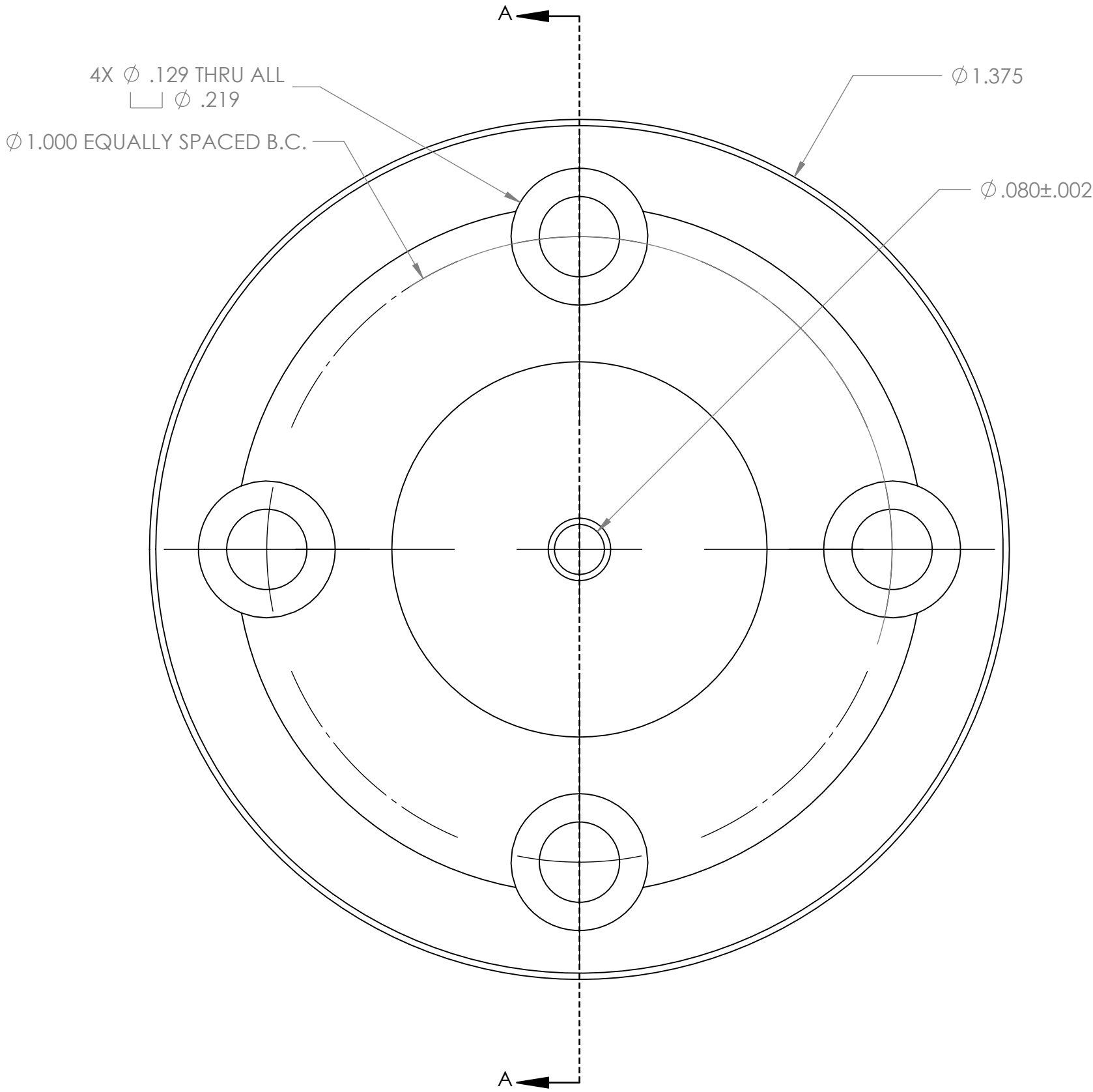
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5-2009		UNITS: INCHES	WEIGHT: 0.10 Lbs.	MIT-PSFC	
UNSPECIFIED TOLERANCES REMOVE ALL BURRS AND SHARP EDGES		MATERIAL: Aluminum 6061		TITLE: HF BASE	
ANGLES ± 1/2°		FINISH: N/A		SIZE DWG. NO. C N/A	
INCHES Ra 125 µin ✓ 3 PLACES ± .005 2 PLACES ± .010 1 PLACE ± .100	MM Ra 3.2 µm ✓ 3 PLACES ± 0.1 2 PLACES ± 0.25 1 PLACE ± 0.75	DRAWN BY: J.Estrada	DATE: 3/8/2024	REV. A	
DO NOT SCALE DRAWING		ENGINEERING APPR. R.Vieira	DATE: 3/8/2024	SCALE: 2:1	
		PROJECT MANAGER:		SHEET 1 OF 1	

4

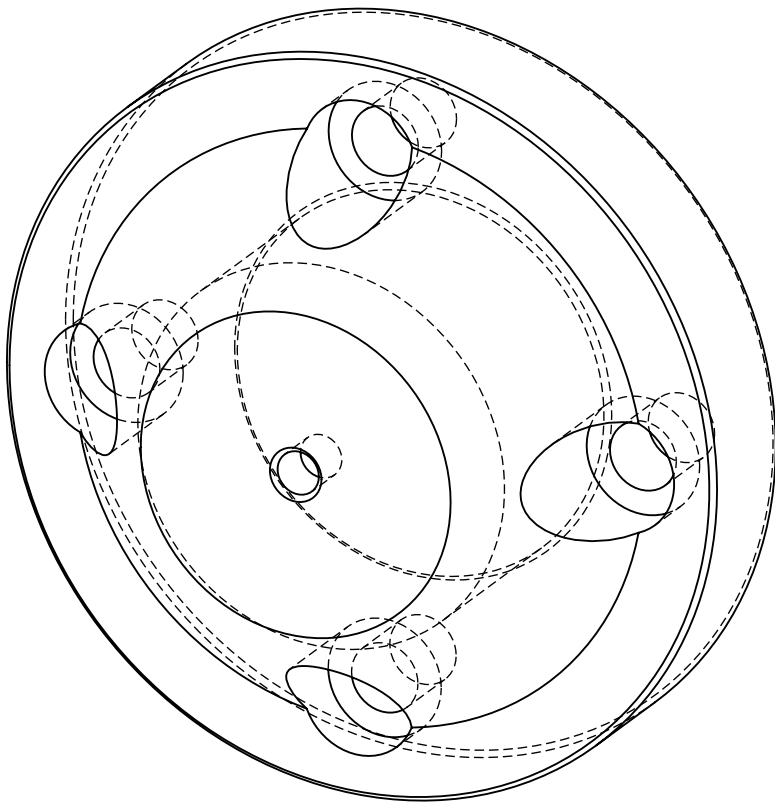
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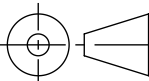
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	3/11/2024	R.VIEIRA

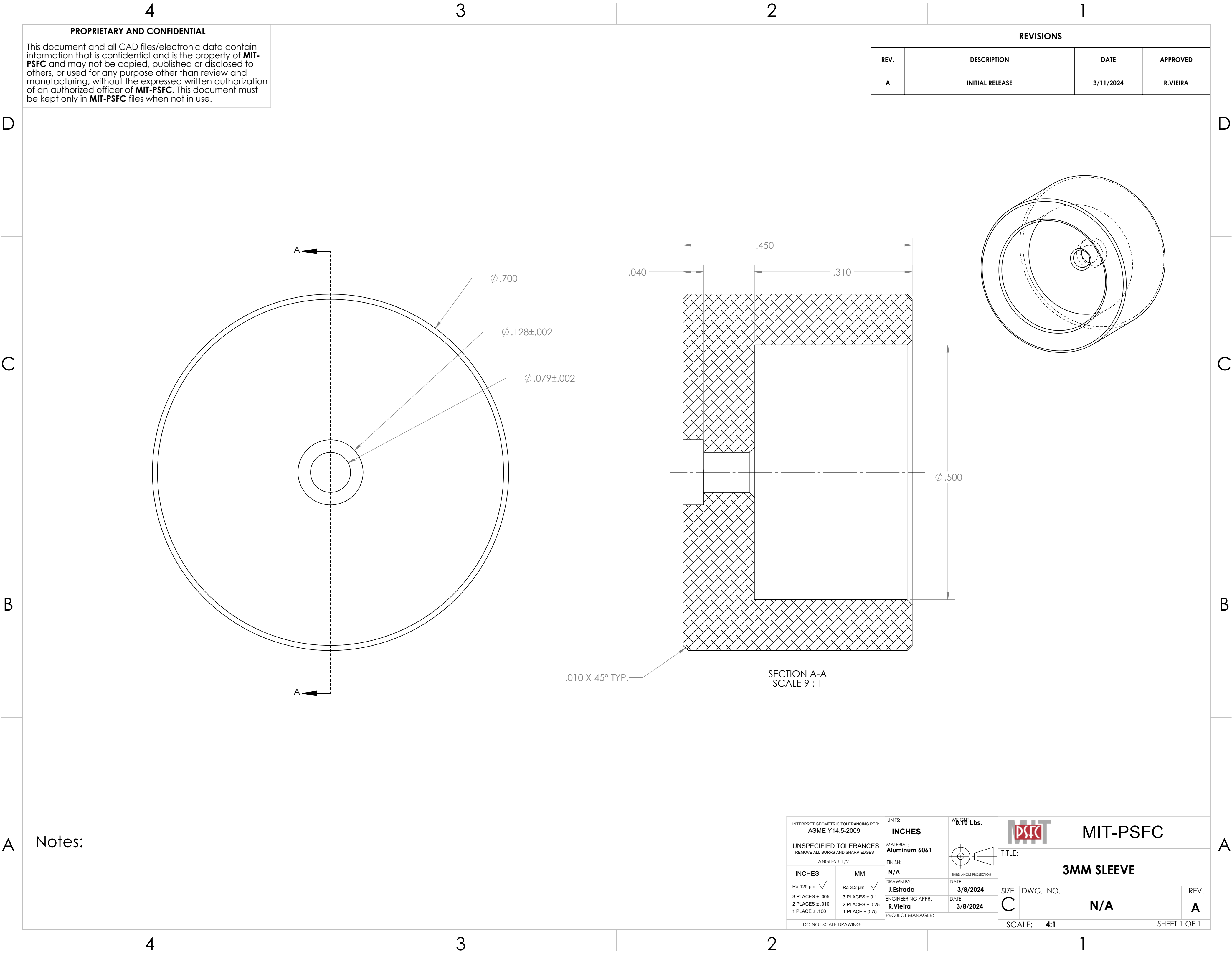


SECTION A-A
SCALE 5 : 1



Notes:

INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5-2009		UNITS: INCHES	WEIGHT: 0.10 Lbs.	 MIT-PSFC	
UNSPECIFIED TOLERANCES REMOVE ALL BURRS AND SHARP EDGES		MATERIAL: Aluminum 6061		TITLE: 3MM CONE	
ANGLES \pm 1/2°		FINISH: N/A		SIZE DWG. NO. C N/A	
INCHES Ra 125 μ m ✓ 3 PLACES \pm .005 2 PLACES \pm .010 1 PLACE \pm .100	MM Ra 3.2 μ m ✓ 3 PLACES \pm 0.1 2 PLACES \pm 0.25 1 PLACE \pm 0.75	DRAWN BY: J.Estrada	DATE: 3/8/2024	REV. A	
DO NOT SCALE DRAWING		ENGINEERING APPR. R.Vieira	DATE: 3/8/2024	SCALE: 2:1	
		PROJECT MANAGER:		SHEET 1 OF 1	


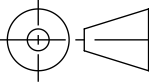


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	3/11/2024	R.VIEIRA

Notes:

INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5-2009		UNITS: INCHES	WEIGHT: 0.10 Lbs.	 MIT-PSFC	
UNSPECIFIED TOLERANCES REMOVE ALL BURRS AND SHARP EDGES		MATERIAL: Aluminum 6061		TITLE: 3MM SLEEVE	
ANGLES $\pm 1/2^\circ$		FINISH: N/A		SIZE DWG. NO. C N/A	
INCHES Ra 125 μin ✓ 3 PLACES $\pm .005$ 2 PLACES $\pm .010$ 1 PLACE $\pm .100$	MM Ra 3.2 μm ✓ 3 PLACES ± 0.1 2 PLACES ± 0.25 1 PLACE ± 0.75	DRAWN BY: J.Estrada	DATE: 3/8/2024	REV. A	
DO NOT SCALE DRAWING		ENGINEERING APPR. R.Vieira	DATE: 3/8/2024	SCALE: 4:1	
		PROJECT MANAGER:		SHEET 1 OF 1	