

SCALE 3:2

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ITEM NO.	Description	Part Number	Vendor	DEFAULT/WH H SPRING/QTY.
1	ASSY SWITCH	200-03-F15-MT-A2		1
2	MOUNT	200-03-F15-MT-P1	Fab In House	1
3	BUTTON	200-03-F15-MT-P2	Fab In House	1
4	NUT	200-03-F15-MT-P3	Fab In House	1
5	SPRING BUTTON	200-03-F15-MT-P4	Fab In House	1

DIMENSIONING AND TOLERANCING
PER ASME Y14.5 1994

DIMENSIONS ARE IN MILLIMETERS
UNLESS OTHERWISE SPECIFIED

TOLERANCES ARE AS FOLLOWS
UNLESS OTHERWISE SPECIFIED

x = ±1
x.x = ±0.3
x.xx = ±0.05
Angles = ±2°

MATERIAL
N/A

FINISH
N/A

**Mechanical Engineering, Mechatronic Engineering, & Manufacturing Technology
California State University, Chico**

Template version 06/04/11

	NAME	DATE	TITLE
DRAWN	RANDY RUBIN	151023	ASSY ARCADE BUTTON
CHECKED			
ENG APPR			
MFG APPR			
Q A			
SIZE	DWG NO	REV	
A	200-03-F15-MT-A1	-	
SCALE 4:5			SHEET 1 OF 2

3. INSERT BUTTON INTO SWITCH MOUNT

2. PRESS IN FEET

2. PRESS IN FEET

1. PRESS SPRING INTO BUTTON

4. POSITION SWITCH AS SHOWN

6. BEND TAB OUT
7. SNAP INTO PLACE

5. SWING SWITCH UP

!!! NOTE: BUILD STEPS 4 THRU 7 CANNOT BE DONE UNTIL ARCADE BUTTON ASSEMBLY HAS BEEN PANEL MOUNTED.

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x = ±1
x.x = ±0.3
x.xx = ±0.05
Angles = ±2°

MATERIAL
N/A

FINISH
N/A

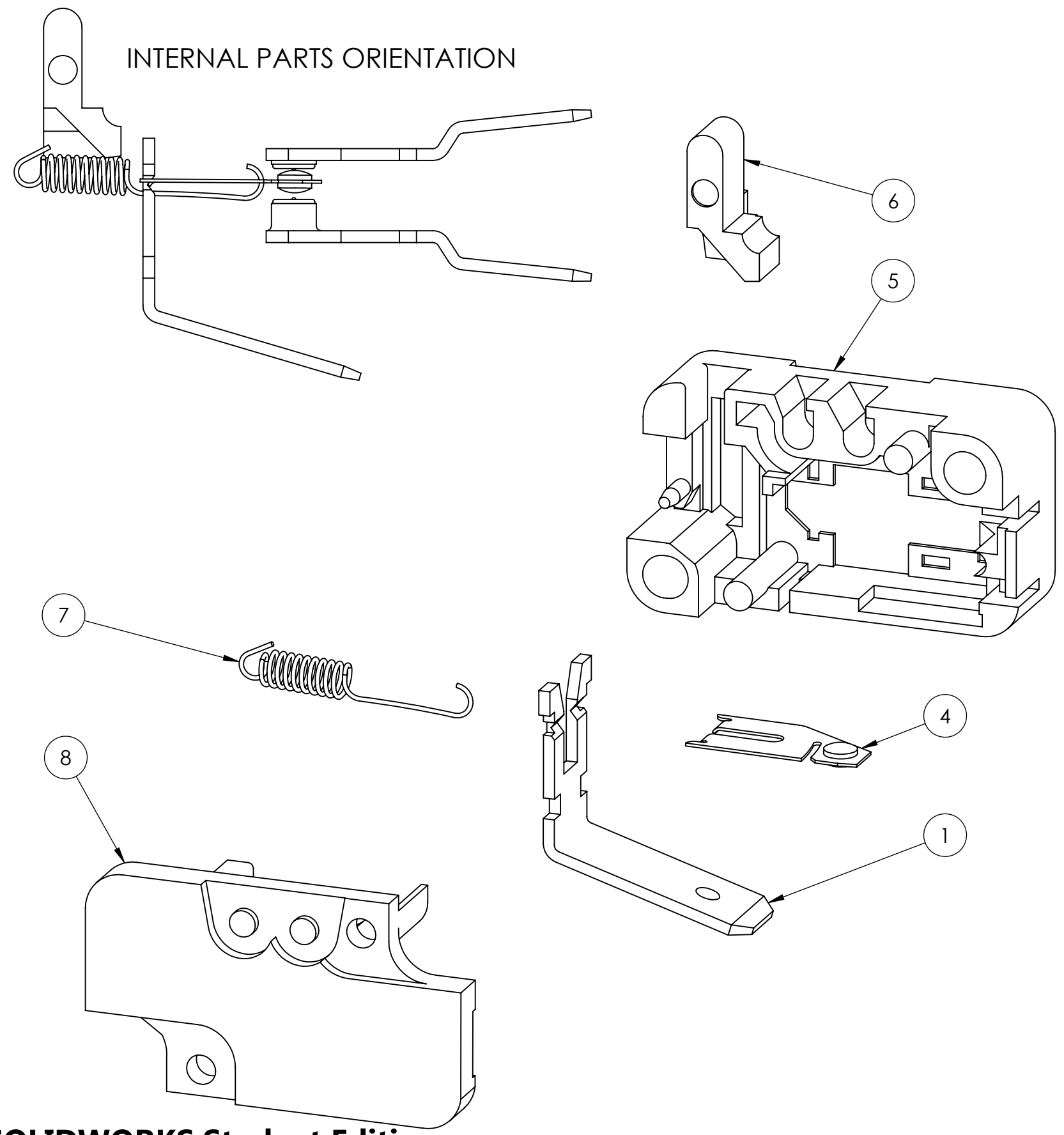
**Mechanical Engineering, Mechatronic Engineering, & Manufacturing Technology
California State University, Chico**

Template version 060411

		NAME	DATE	TITLE	
DRAWN		RANDY RUBIN	151023	ASSY ARCADE BUTTON	
CHECKED					
ENG APPR				SIZE	DWG NO
MFG APPR				A	200-03-F15-MT-A1
Q A				REV	-
				SCALE 1:1	SHEET 2 OF 2

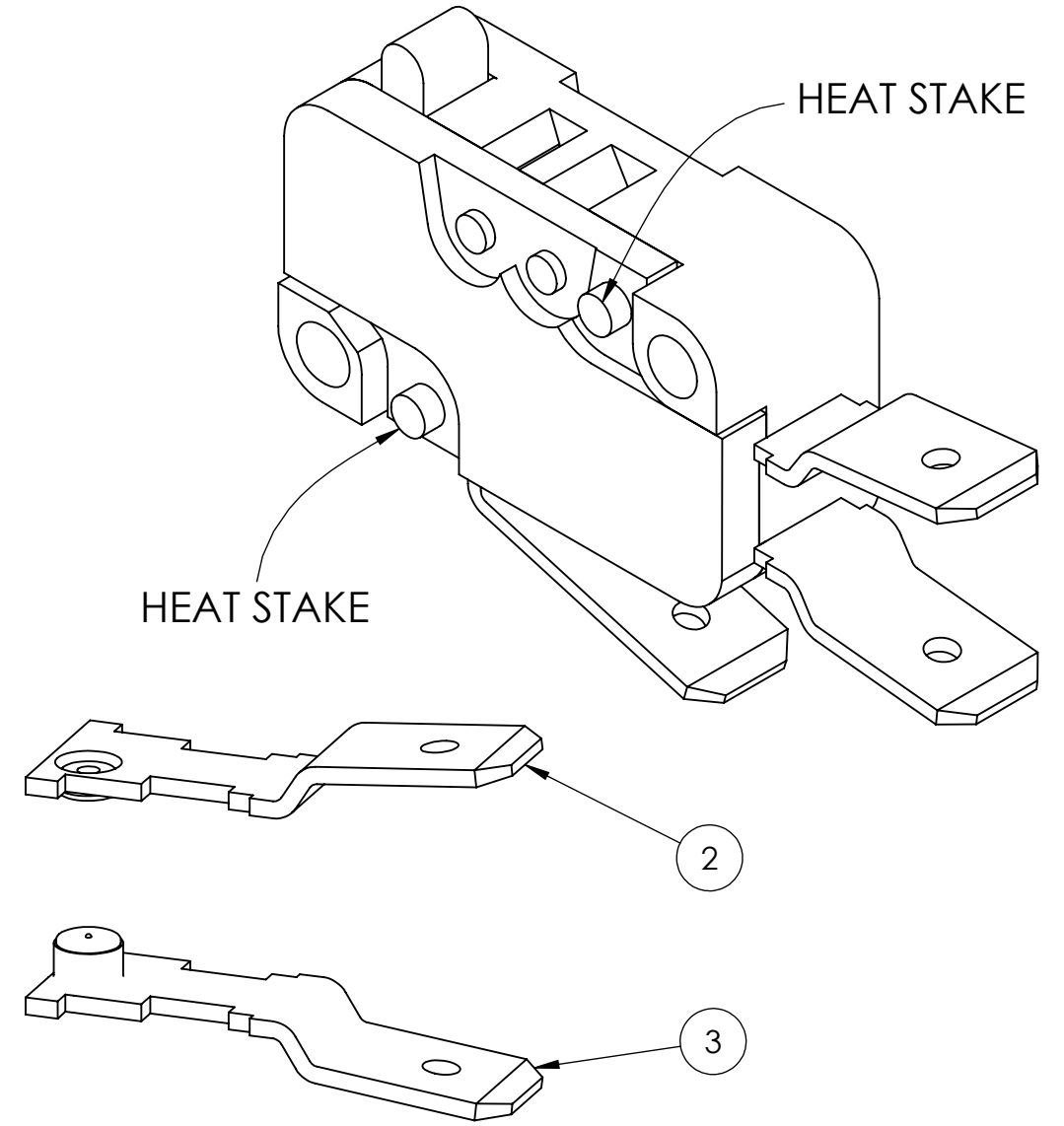
8 7 6 5 4 3 2 1

INTERNAL PARTS ORIENTATION



HEAT STAKE

HEAT STAKE



ITEM NO.	Description	Part Number	Vendor	QTY.
1	TERMINAL COM	200-03-F15-MT-P5	Fab In House	1
2	TERMINAL NC	200-03-F15-MT-P6	Fab In House	1
3	TERMINAL NO	200-03-F15-MT-P7	Fab In House	1
4	BLADE	200-03-F15-MT-P8	Fab In House	1
5	CASE	200-03-F15-MT-P9	Fab In House	1
6	PLUNGER	200-03-F15-MT-P10	Fab In House	1
7	SPRING SWITCH	200-03-F15-MT-P11	Fab In House	1
8	COVER	200-03-F15-MT-P12	Fab In House	1

DIMENSIONING AND TOLERANCING PER ASME Y14.5 1994

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x.x = ±0.03
 x.xx = ±0.01
 x.xxx = ±0.005
 Angles = ±2°

MATERIAL N/A
 FINISH N/A

Mechanical Engineering, Mechatronic Engineering, & Manufacturing Technology
California State University, Chico
 Template version 060411

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CHECKED	RANDY RUBIN	151023	ASSY SWITCH
ENG APPR			
MFG APPR			
Q A			SIZE B

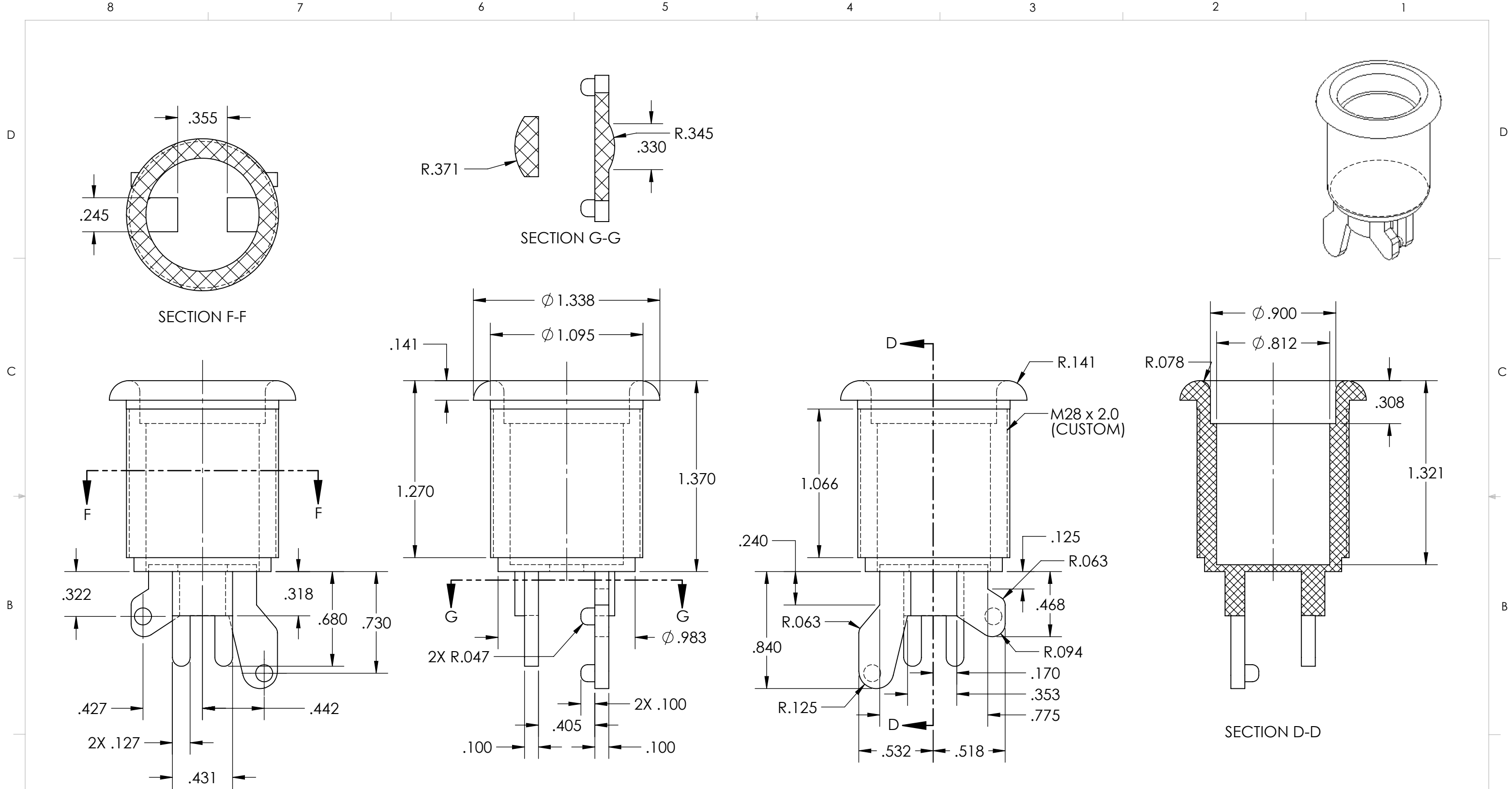
DWG NO	REV
200-03-F14-MT-A2	-

SCALE 3:1

SHEET 1 OF 1

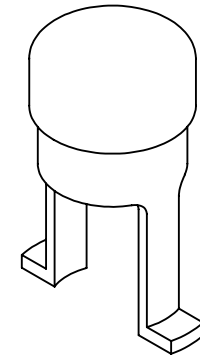
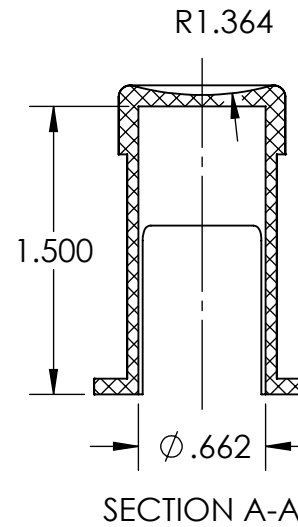
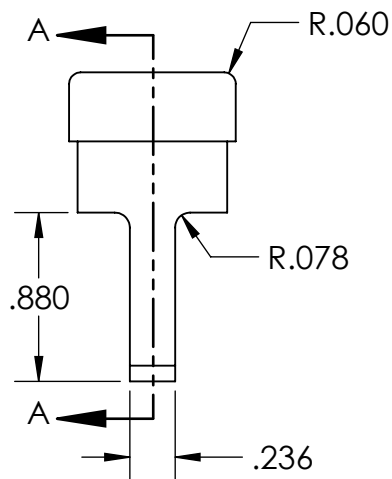
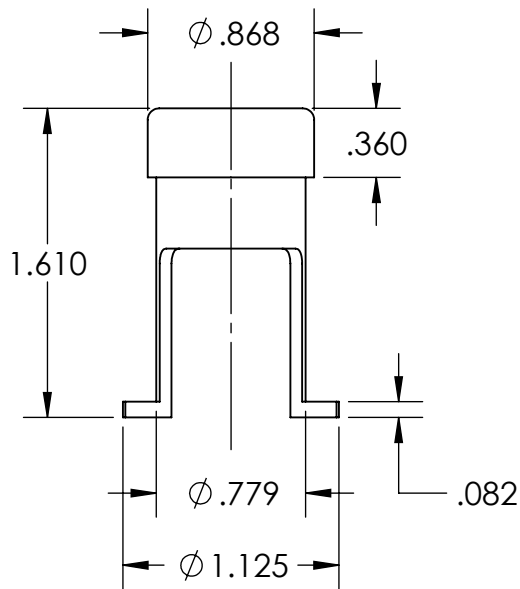
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8 7 6 5 4 3 2 1



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	NAME	DATE	TITLE	
DRAWN	RANDY RUBIN	151023	MOUNT	
CHECKED				
ENG APPR			SIZE	DWG NO
MFG APPR			B	200-03-F14-MT-P1
Q A			REV	-
			SCALE 3:2	SHEET 1 OF 1



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x.x = ± 0.03
x.xx = ± 0.01
x.xxx = ± 0.005
Angles = $\pm 2^\circ$

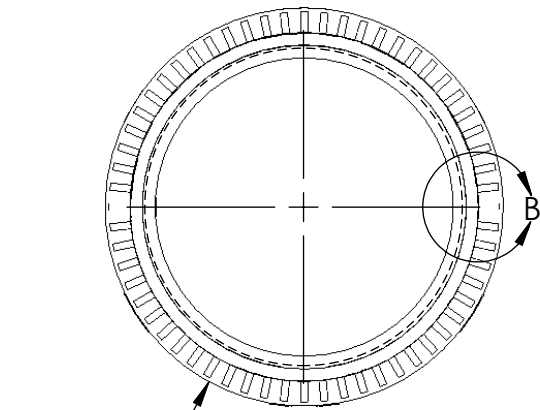
MATERIAL
ABS

FINISH
PLAIN

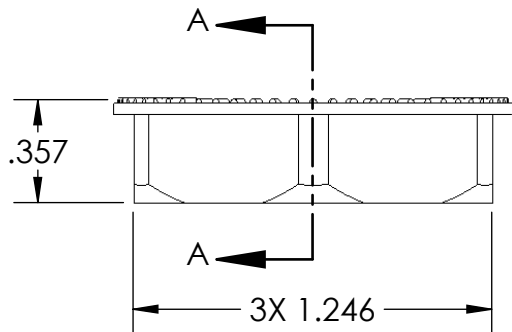
**Mechanical Engineering, Mechatronic Engineering, & Manufacturing Technology
California State University, Chico**

Template version 060411

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MFG APPR			SIZE DWG NO A 200-03-F15-MT-P2
Q A			REV -
SCALE 1:1			SHEET 1 OF 1

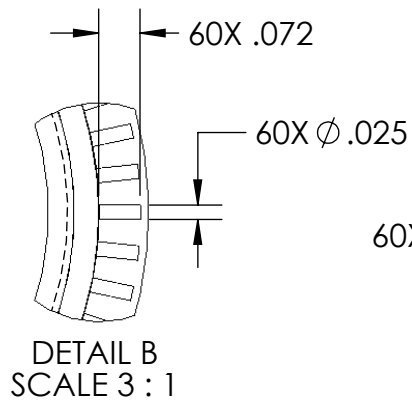


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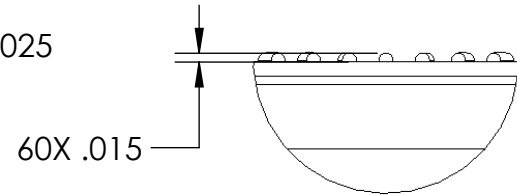


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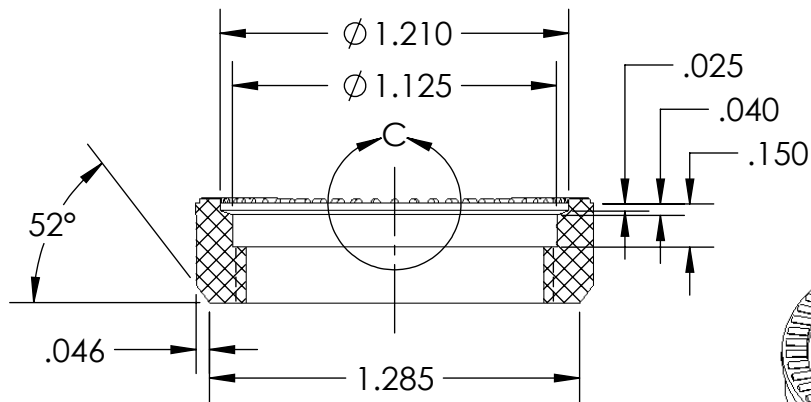
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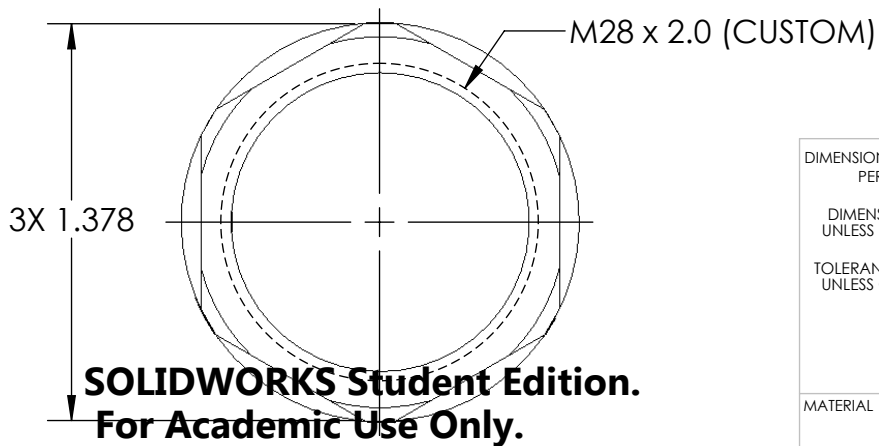
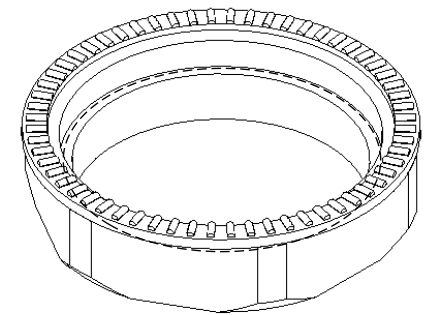
DETAIL B
SCALE 3 : 1



DETAIL C
SCALE 3 : 1



SECTION A-A



3X 1.378

M28 x 2.0 (CUSTOM)

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x.x = ±0.03
x.xx = ±0.01
x.xxx = ±0.005
Angles = ±2°

MATERIAL
ABS

FINISH
PLAIN

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Template version 060411

DRAWN		NAME	DATE	TITLE	
RANDY RUBIN			151023	NUT	
CHECKED					
ENG APPR				SIZE	DWG NO
MFG APPR				A	200-03-F15-MT-P3
Q A				SCALE 3:2	REV
					-
					SHEET 1 OF 1

5

4

3

2

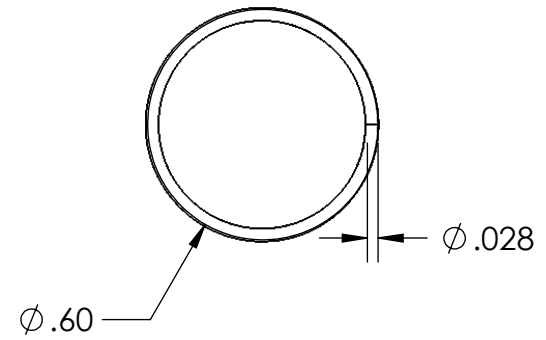
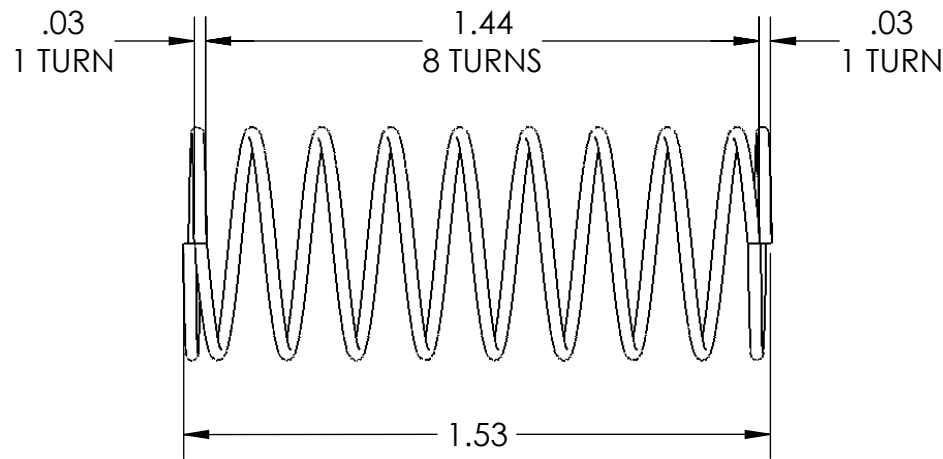
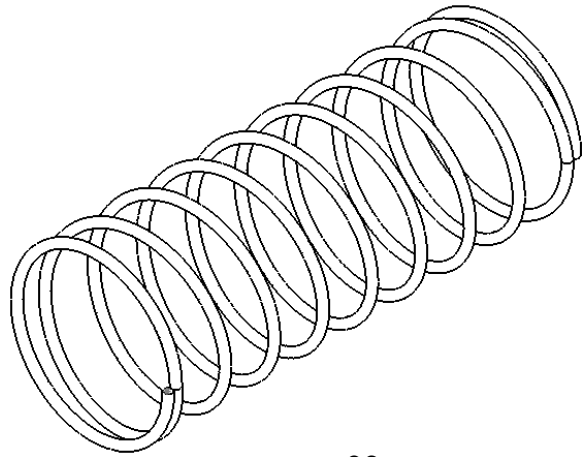
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DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED	
TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED	
x.x = ± 0.03 x.xx = ± 0.01 x.xxx = ± 0.005 Angles = $\pm 2^\circ$	
MATERIAL	SPRING STEEL
FINISH	PLAIN

**Mechanical Engineering, Mechatronic Engineering, & Manufacturing Technology
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Template version 06/04/11

	NAME	DATE	TITLE
DRAWN	RANDY RUBIN	151023	SPRING BUTTON
CHECKED			
ENG APPR			SIZE
MFG APPR			DWG NO
Q A			REV
			200-03-F15-MT-P4
			-
SCALE 2:1			SHEET 1 OF 1

5

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1

D

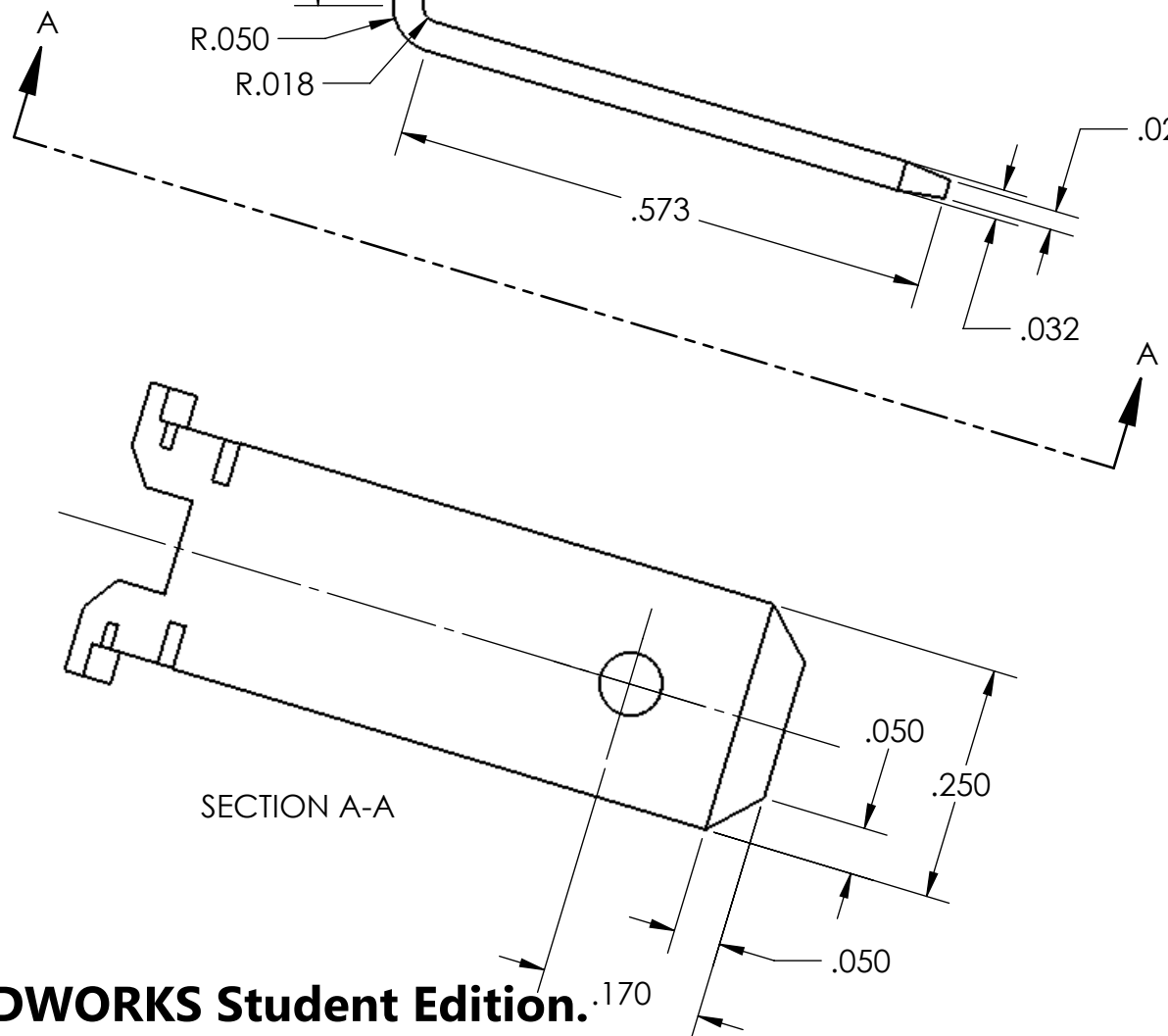
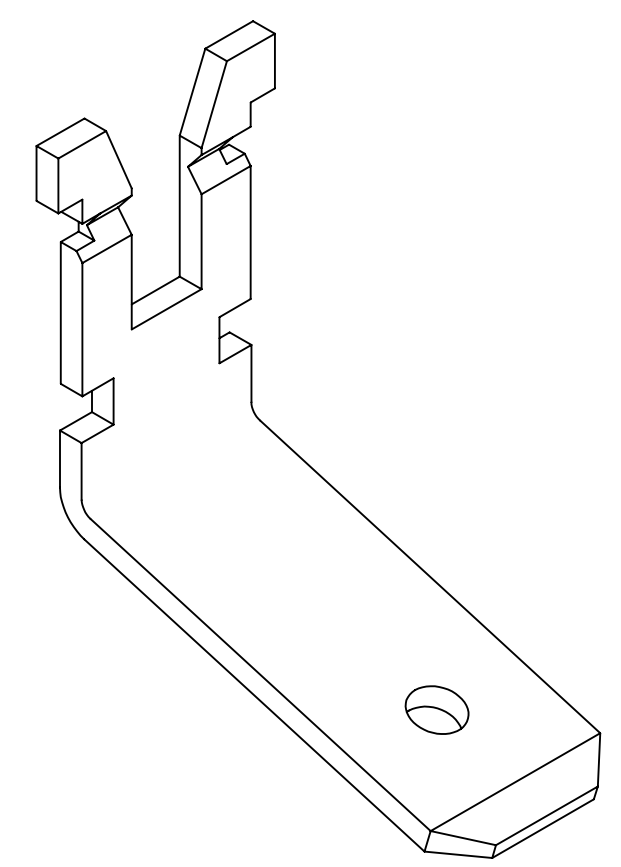
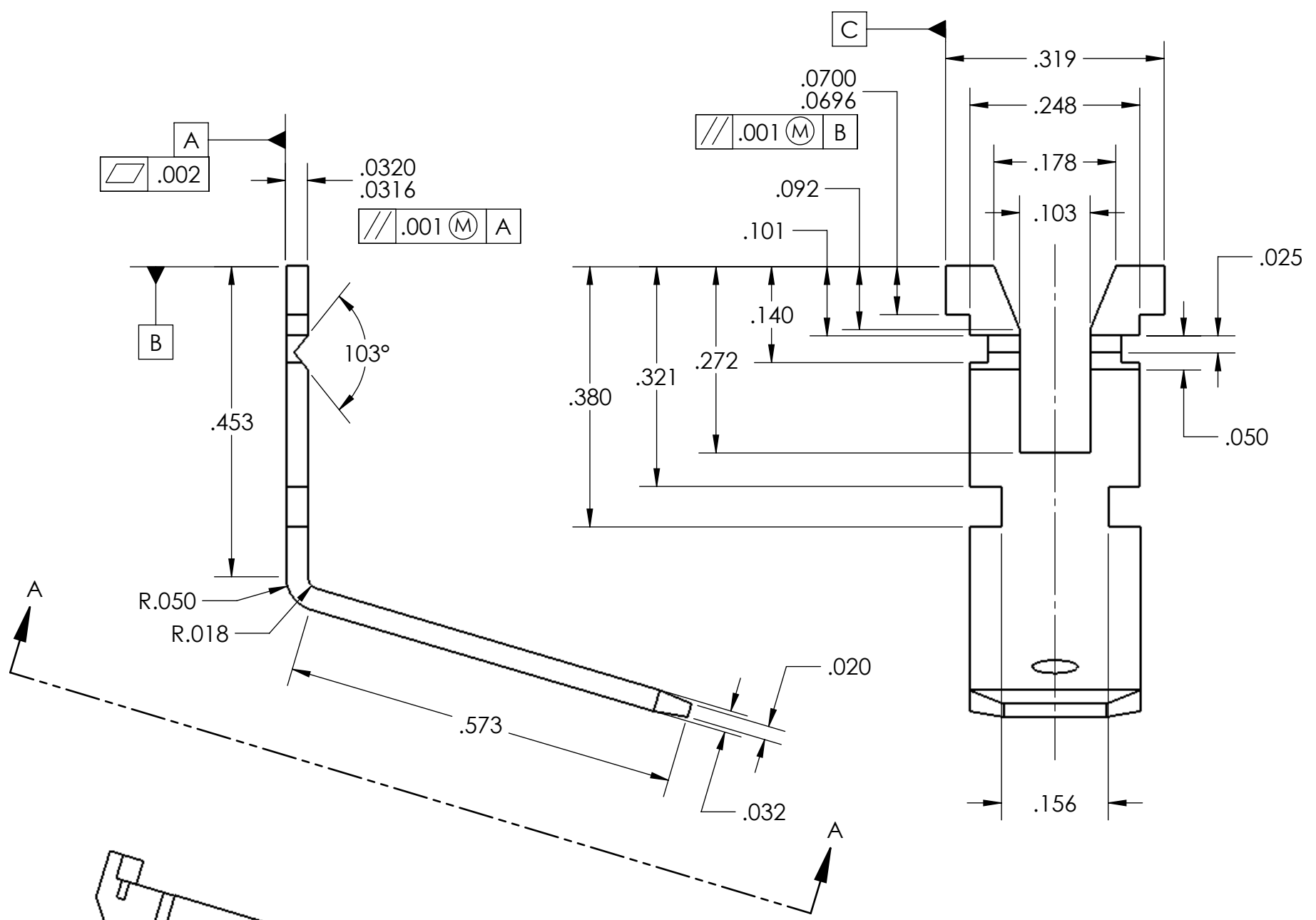
C

B

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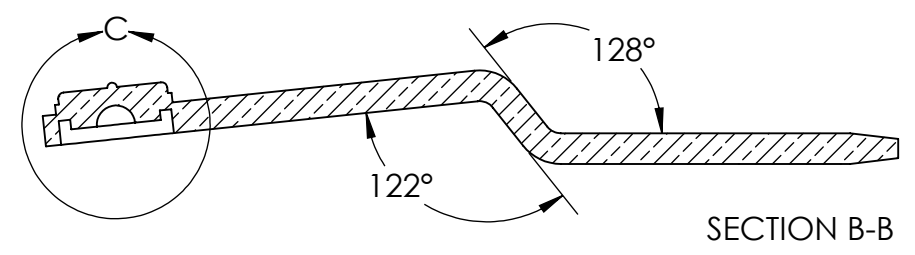
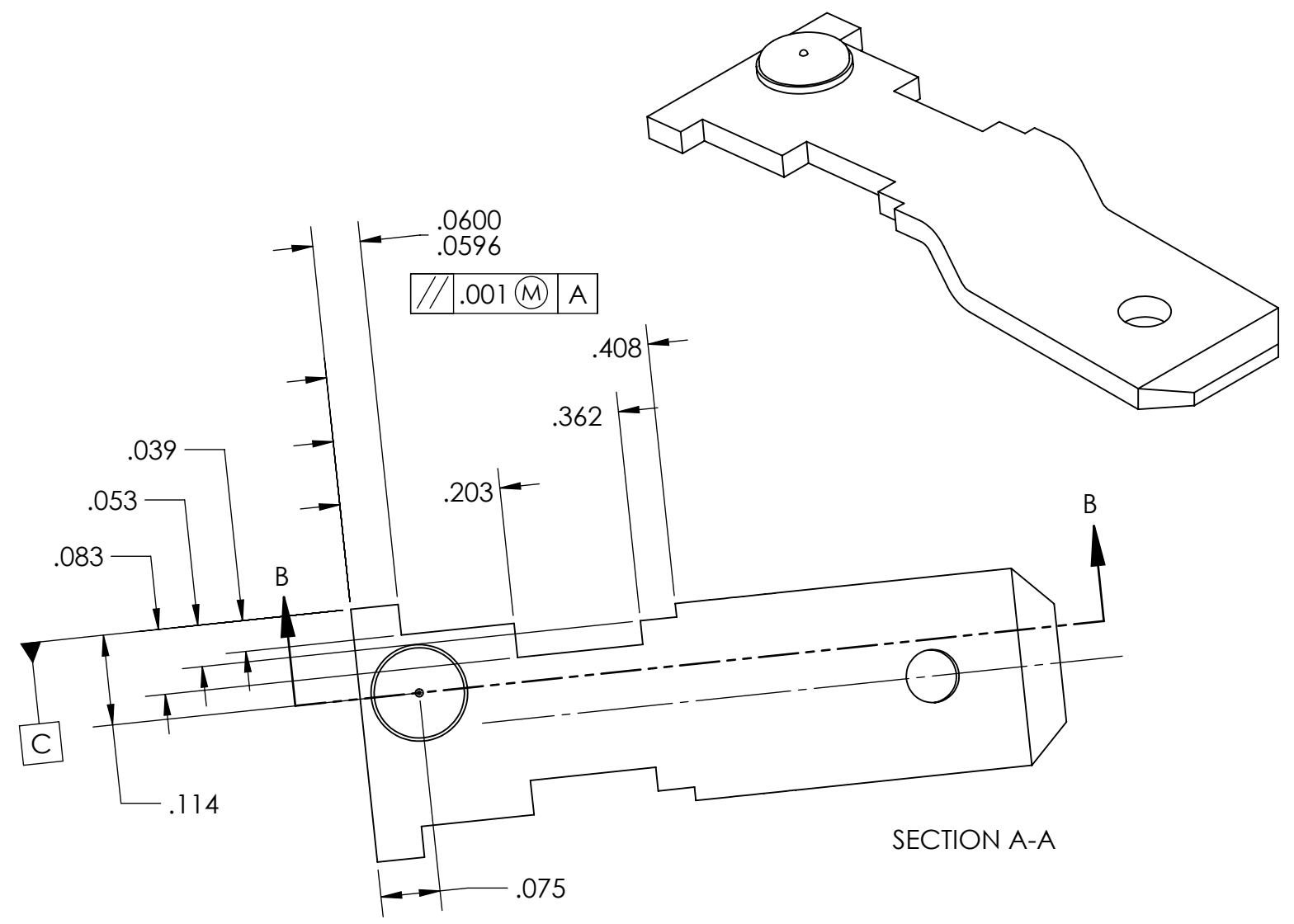
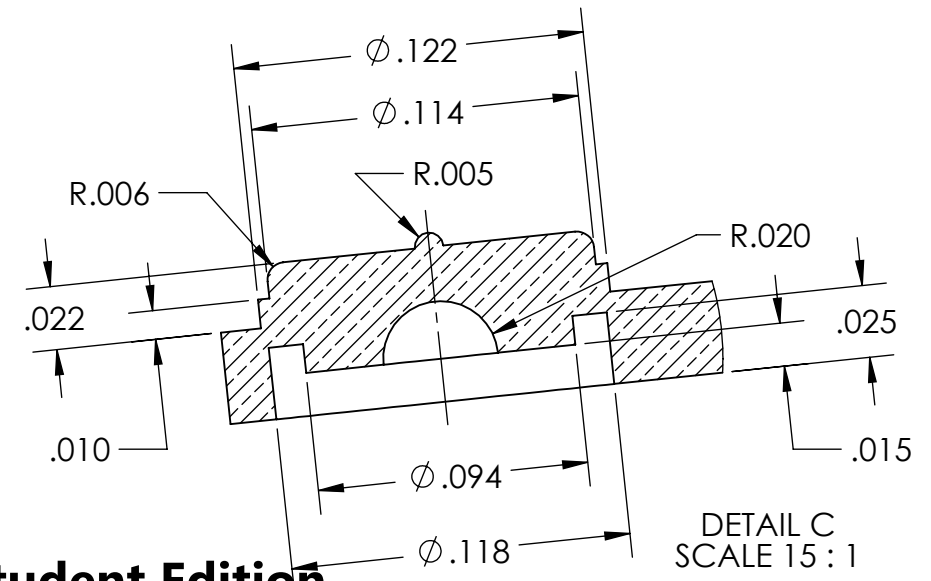
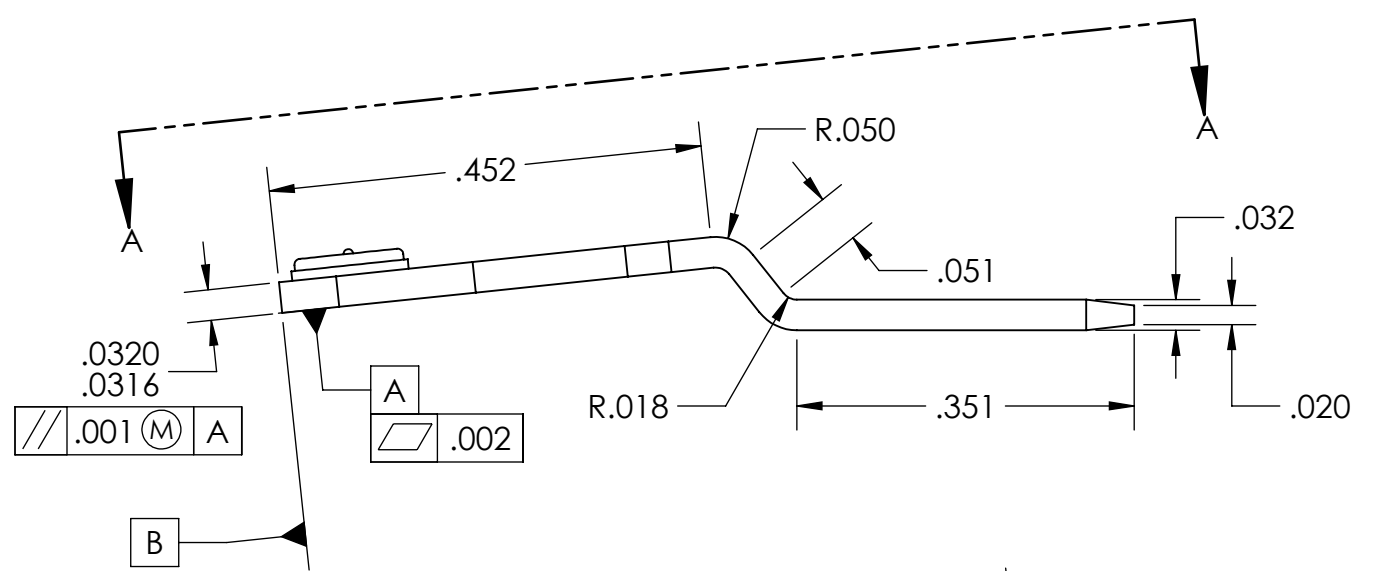
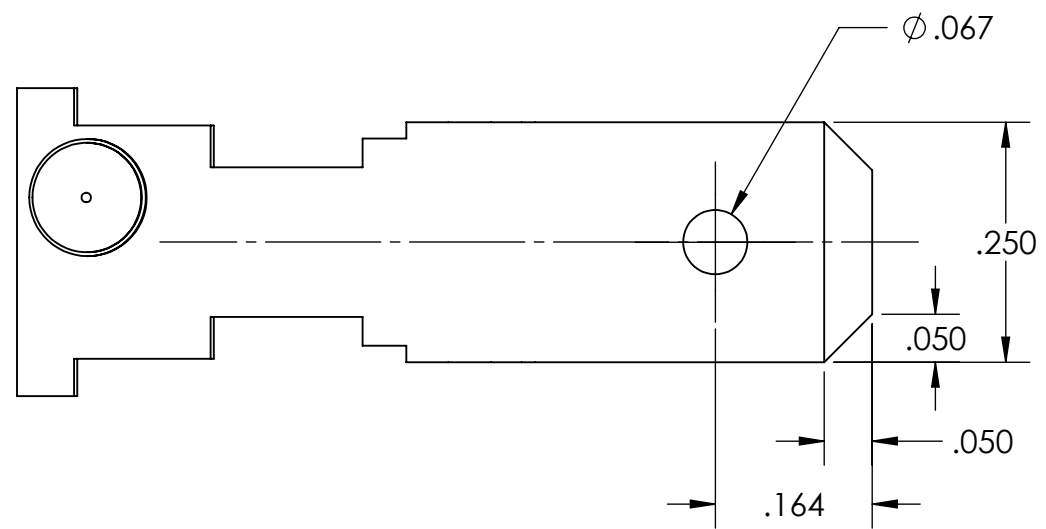
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DIMENSIONS ARE IN INCHS UNLESS OTHERWISE SPECIFIED		California State University, Chico		
TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED		Template version 060411		
x.x = ±0.03		NAME	DATE	TITLE
x.xx = ±0.01		DRAWN	RANDY RUBIN	151023
x.xxx = ±0.005		CHECKED		
Angles = ±2°		ENG APPR		
MATERIAL	COPPER	MFG APPR		
FINISH	PLAIN	Q A		
		SIZE	DWG NO	REV
		B	200-03-F15-MT-P5	-
		SCALE 5:1	SHEET 1 OF 1	

8 7 6 5 4 3 2 1



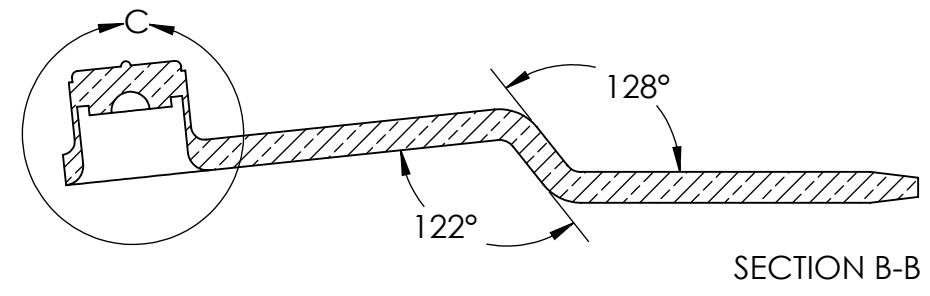
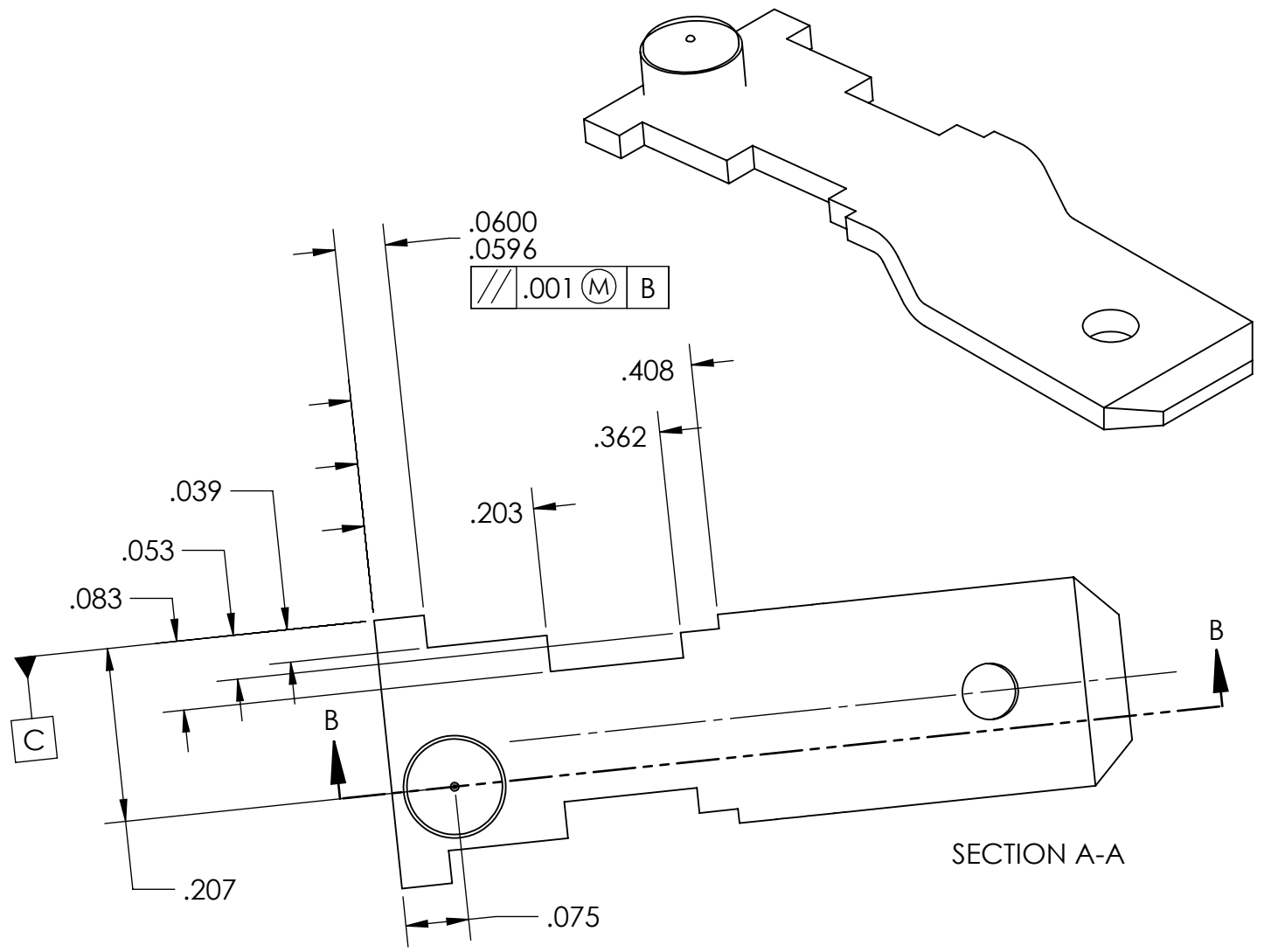
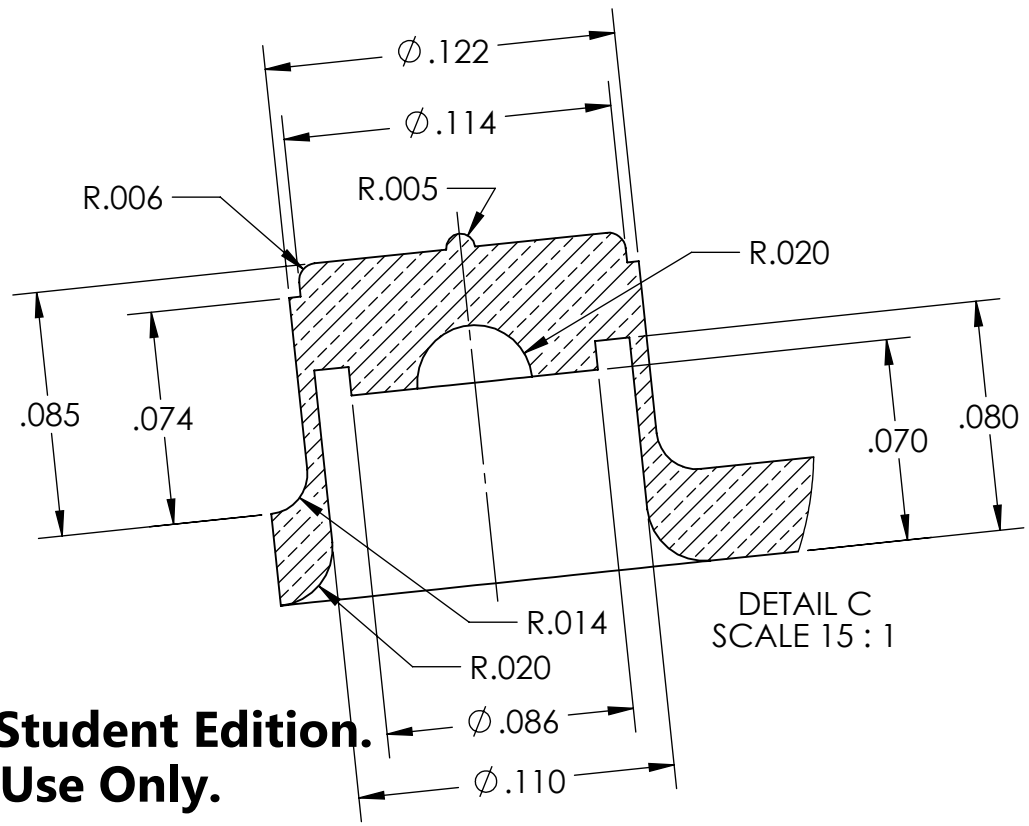
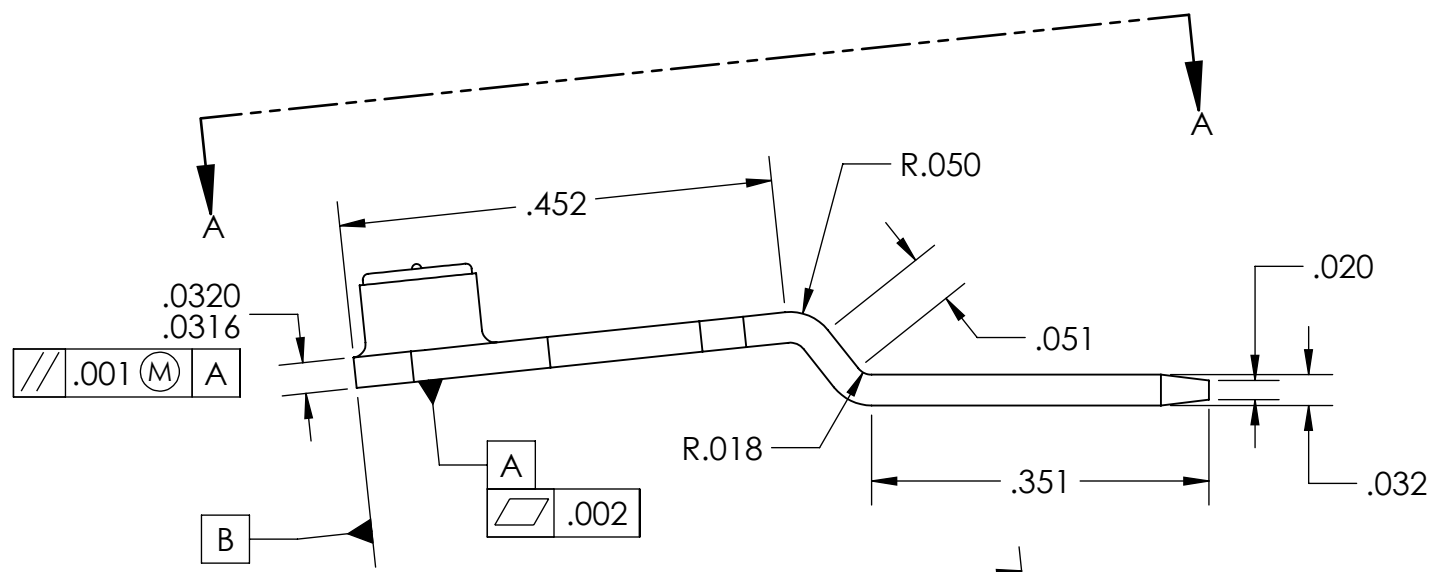
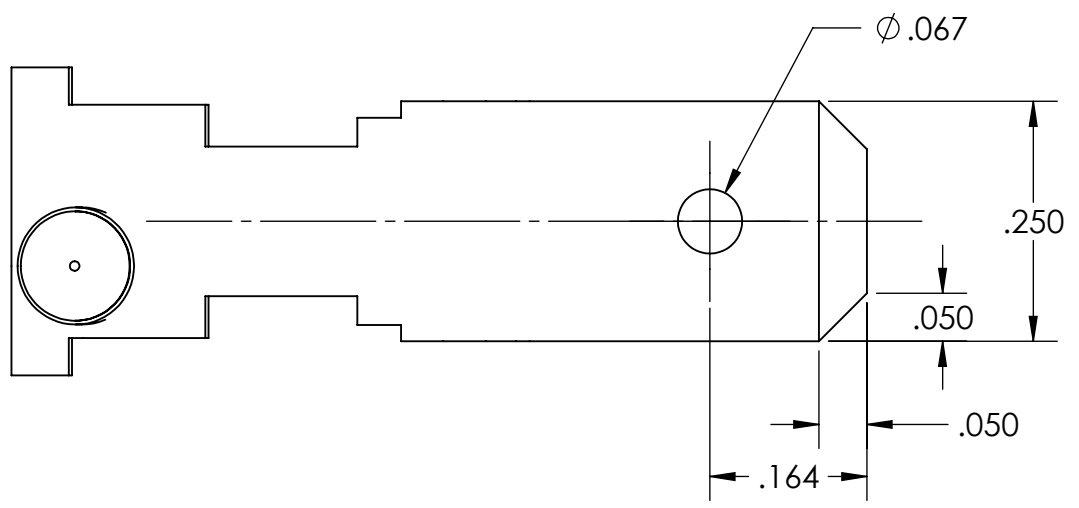
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DIMENSIONS ARE IN INCHS UNLESS OTHERWISE SPECIFIED		California State University, Chico		
TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED		Template version 060411		
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		MFG APPR		DWG NO 200-03-F15-MT-P6
		Q A		REV -
		SCALE 5:1		SHEET 1 OF 1

8 7 6 5 4 3 2 1

D
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D
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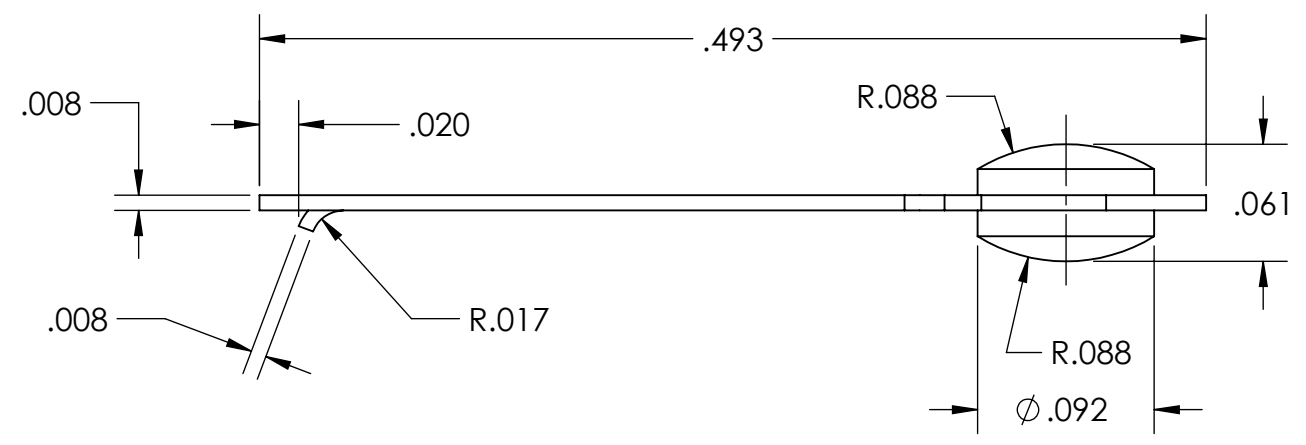
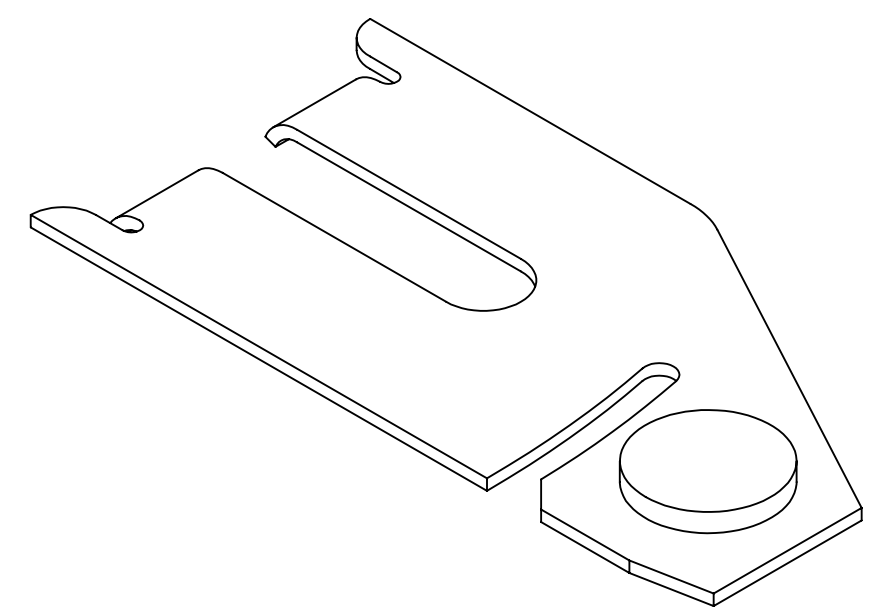
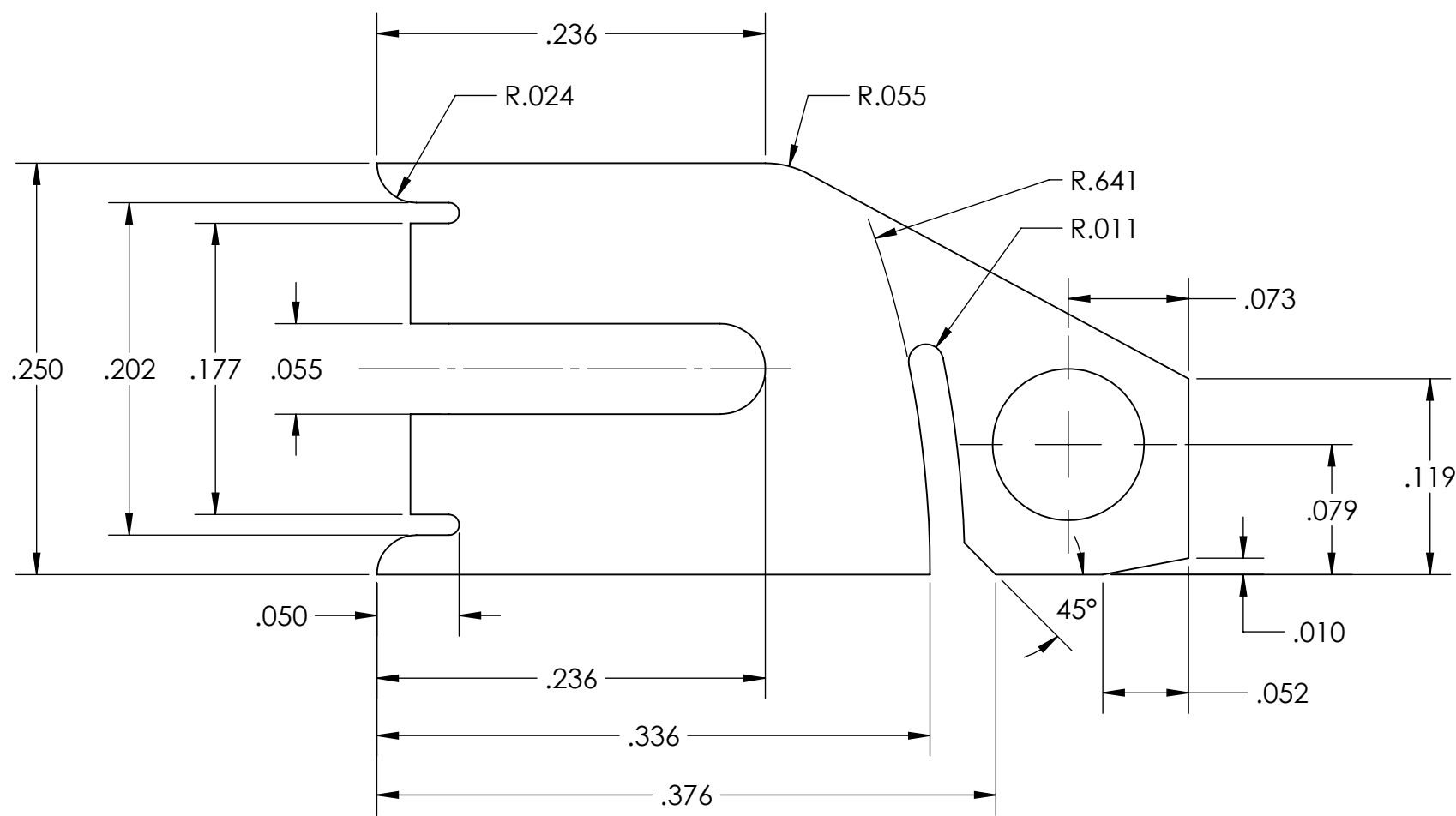
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DIMENSIONS ARE IN INCHS UNLESS OTHERWISE SPECIFIED		Template version 060411		
TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED		DRAWN	NAME	TITLE
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x.xx = ±0.01		CHECKED	151023	
x.xxx = ±0.005		ENG APPR		SIZE
Angles = ±2°		MFG APPR		DWG NO
MATERIAL	COPPER	Q A		REV
FINISH	PLAIN			-
		SCALE 5:1		SHEET 1 OF 1

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1

D
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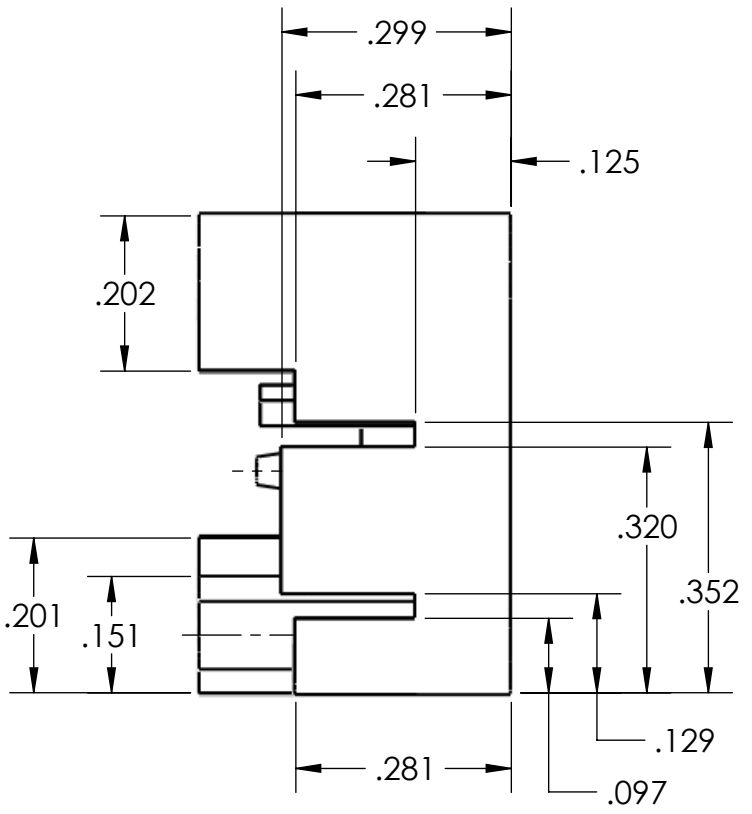
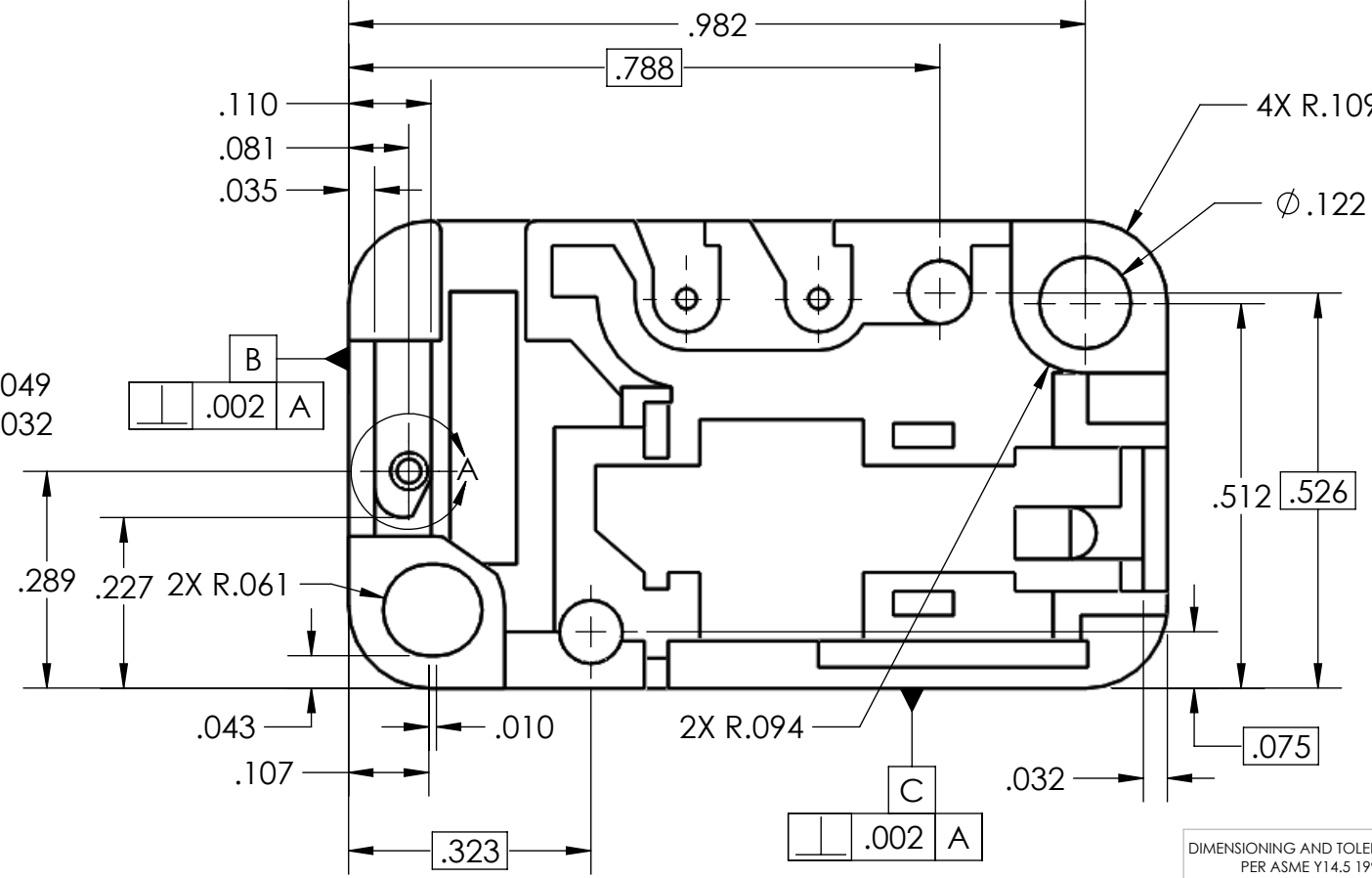
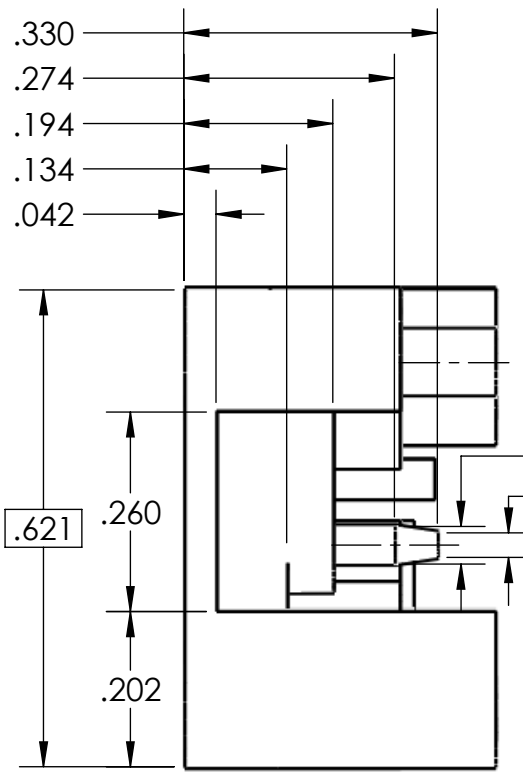
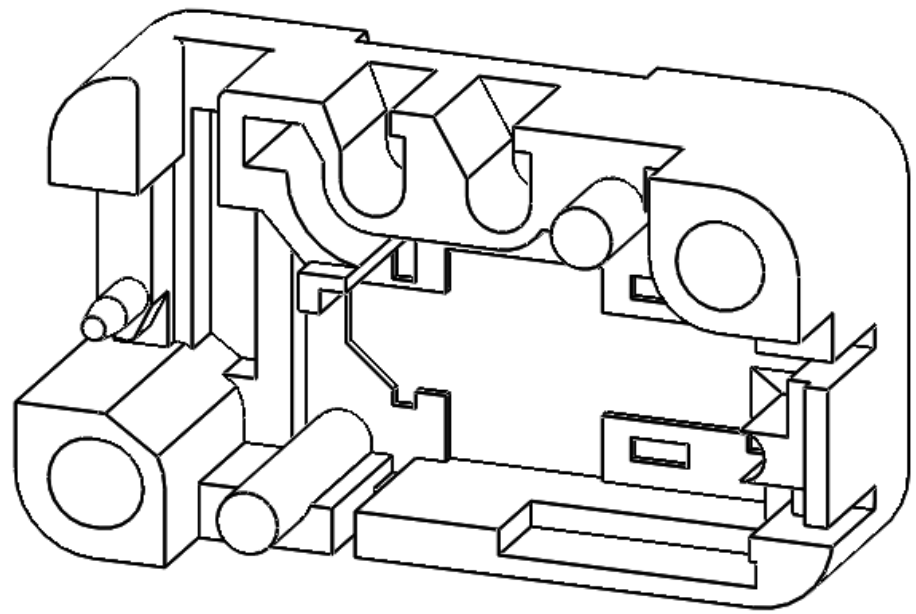
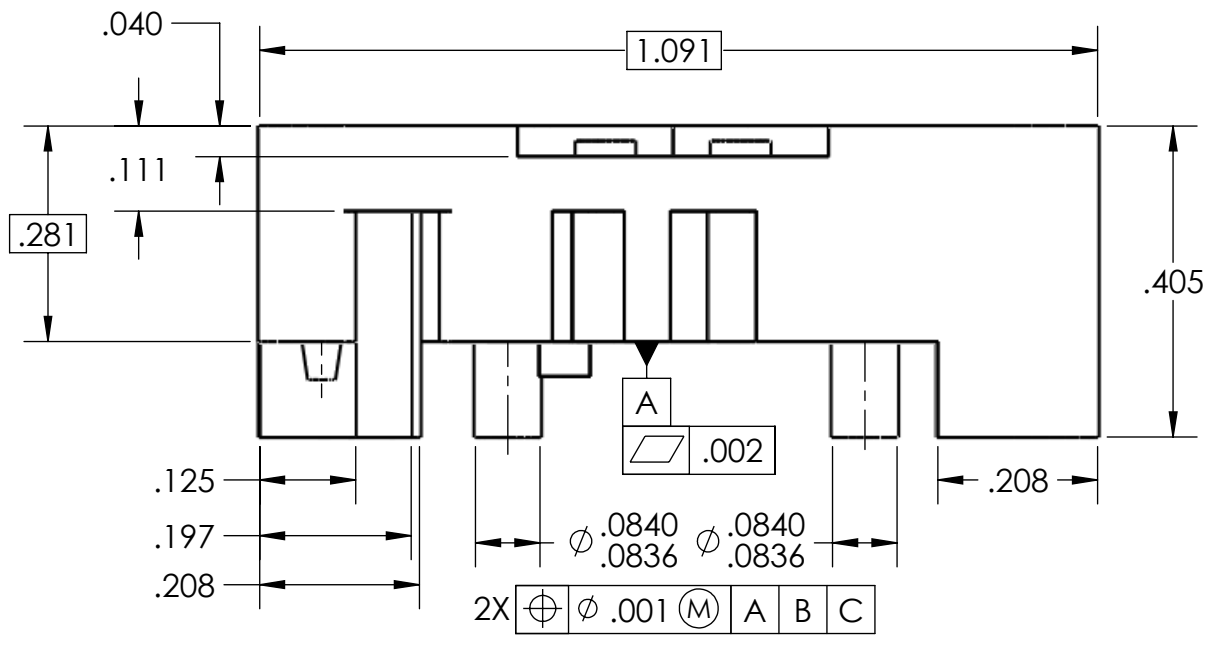
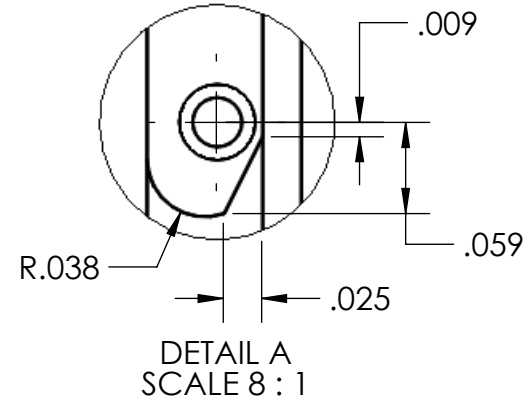
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DIMENSIONS ARE IN INCHS UNLESS OTHERWISE SPECIFIED		NAME	DATE	TITLE
TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED		DRAWN	RANDY RUBIN	151023
x.x = ±0.03		CHECKED		
x.xx = ±0.01		ENG APPR		
x.xxx = ±0.005		MFG APPR		
Angles = ±2°		Q A		
MATERIAL	ALLOY STEEL	SIZE	DWG NO	REV
FINISH	PLAIN	B	200-03-F15-MT-P8	-
		SCALE	10:1	SHEET 1 OF 1

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1

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D
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A

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UNLESS OTHERWISE SPECIFIED

x.x = ±0.03
x.xx = ±0.01
x.xxx = ±0.005
Angles = ±2°

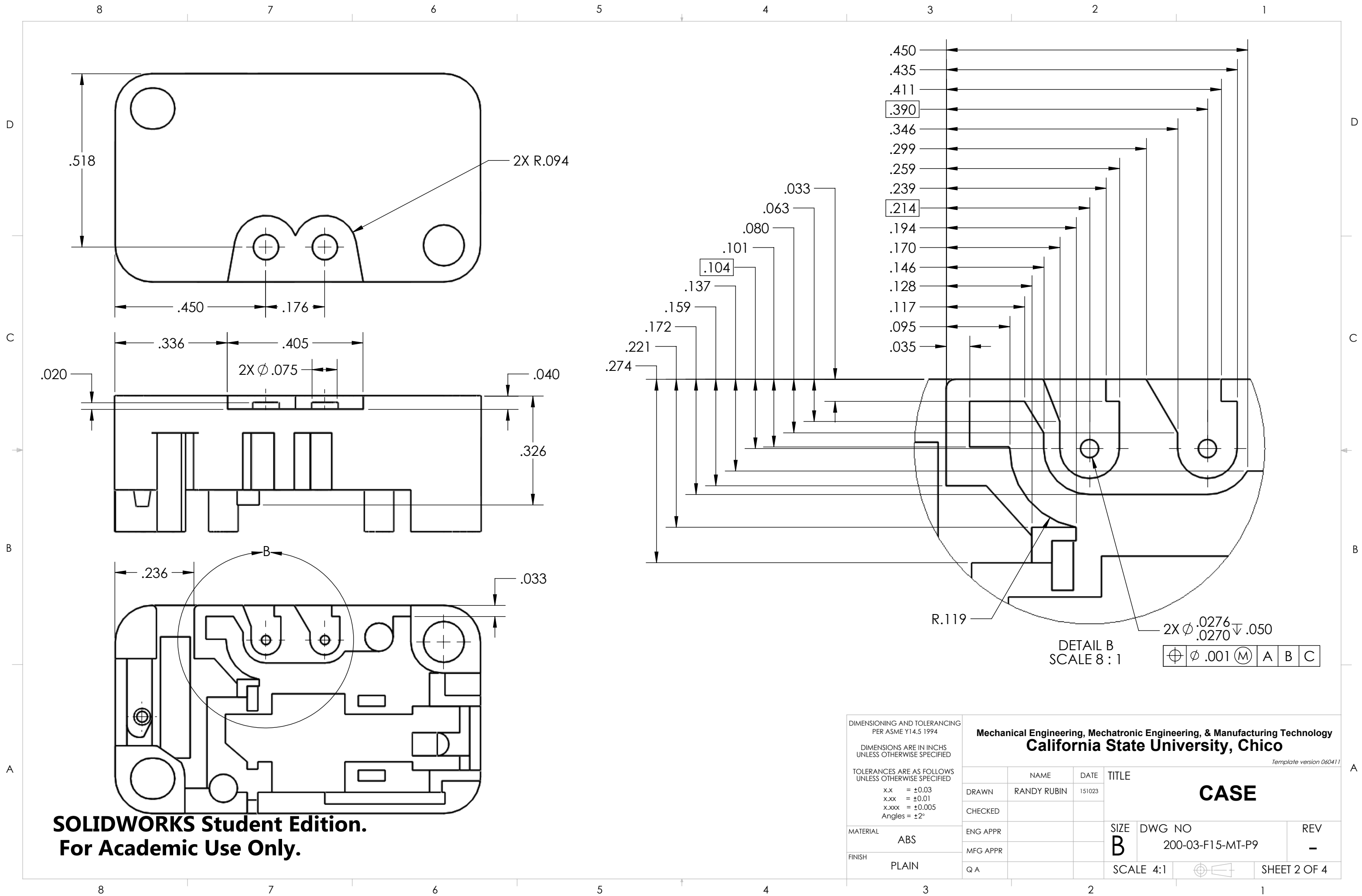
MATERIAL ABS
FINISH PLAIN

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California State University, Chico**

Template version 060411

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CHECKED			
ENG APPR			SIZE B
MFG APPR			DWG NO 200-03-F15-MT-P9
Q A			REV -
SCALE 4:1			SHEET 1 OF 4

8 7 6 5 4 3 2 1



- .450
- .435
- .411
- .390
- .346
- .299
- .259
- .239
- .214
- .194
- .170
- .146
- .128
- .117
- .095
- .035

- .033
- .063
- .080
- .101
- .104
- .137
- .159
- .172
- .221
- .274

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 x.xx = ±0.01
 x.xxx = ±0.005
 Angles = ±2°

MATERIAL ABS

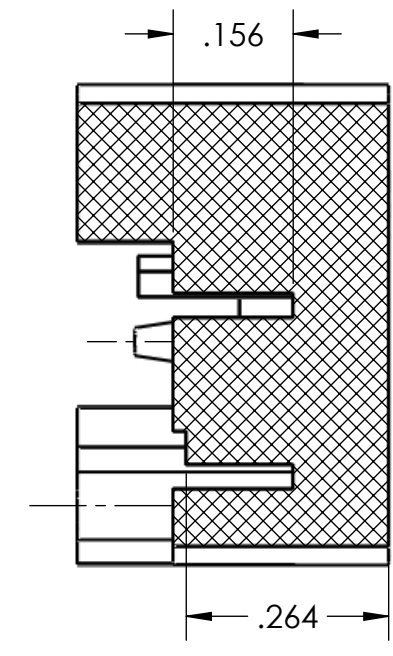
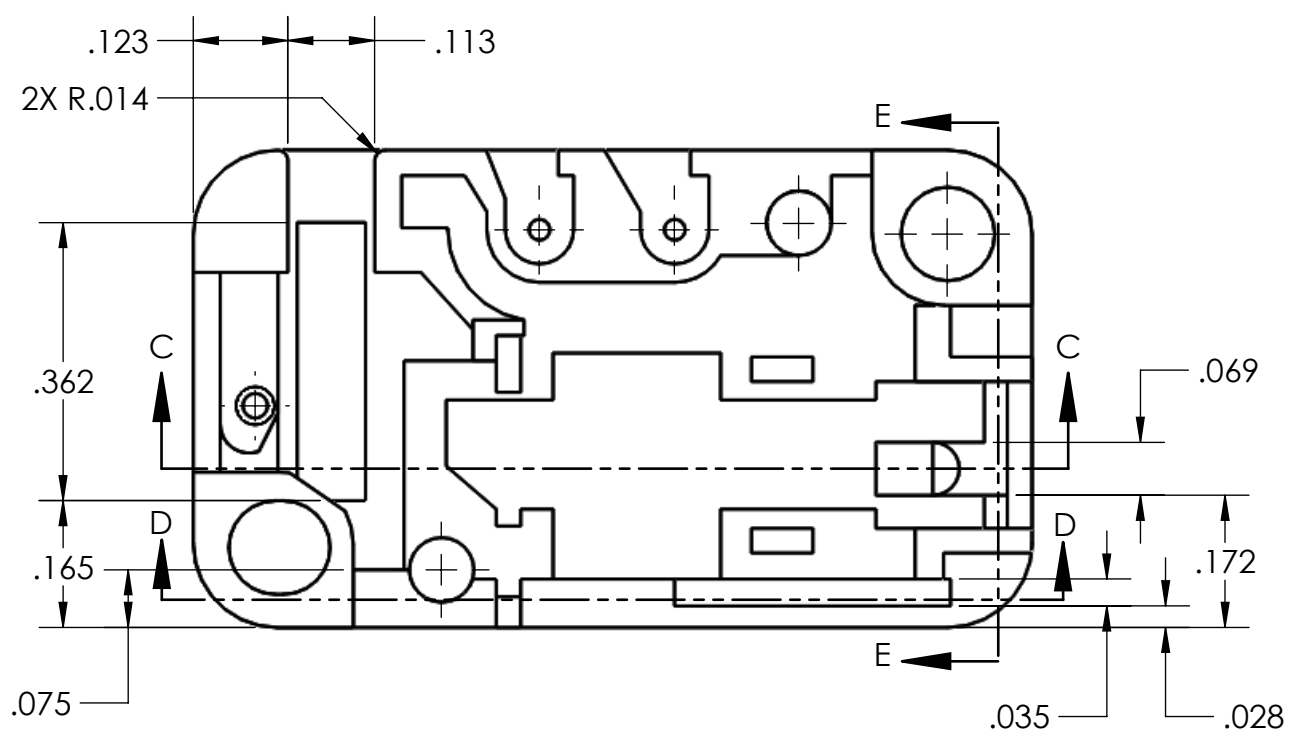
FINISH PLAIN

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California State University, Chico

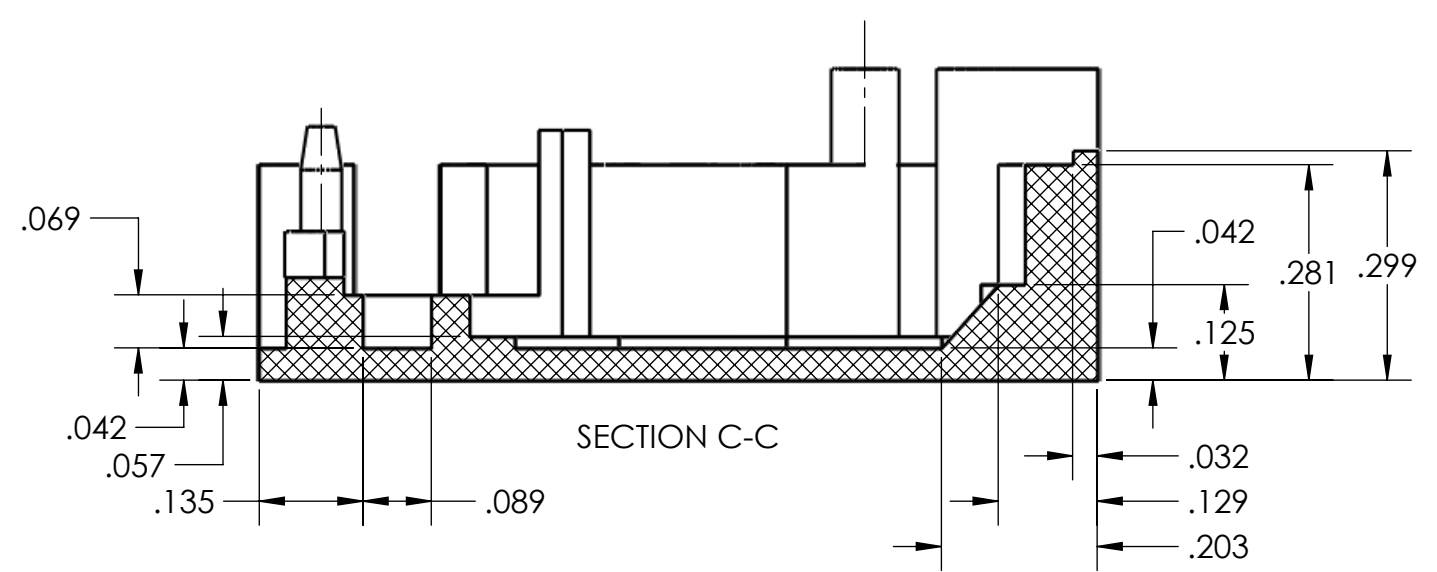
Template version 060411

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CHECKED			
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MFG APPR			DWG NO 200-03-F15-MT-P9
Q A			REV -
SCALE 4:1			SHEET 2 OF 4

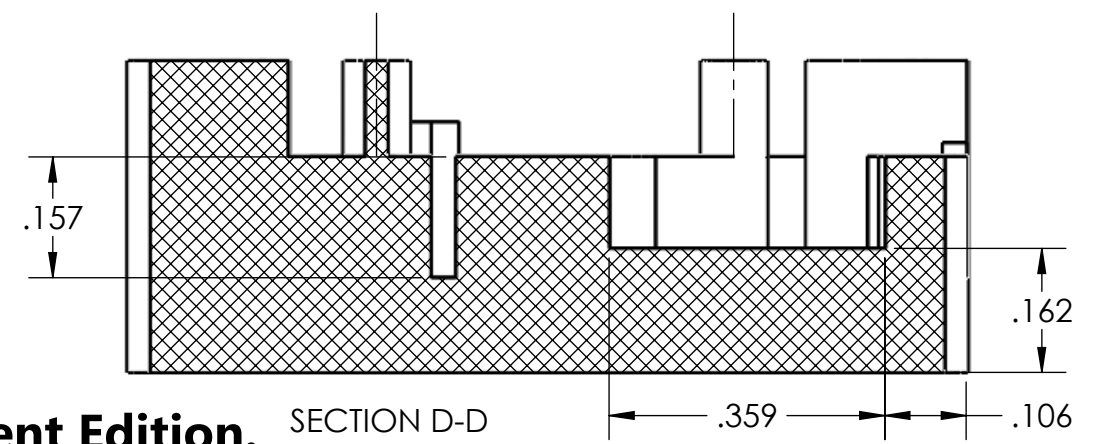
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SECTION E-E



SECTION C-C



SECTION D-D

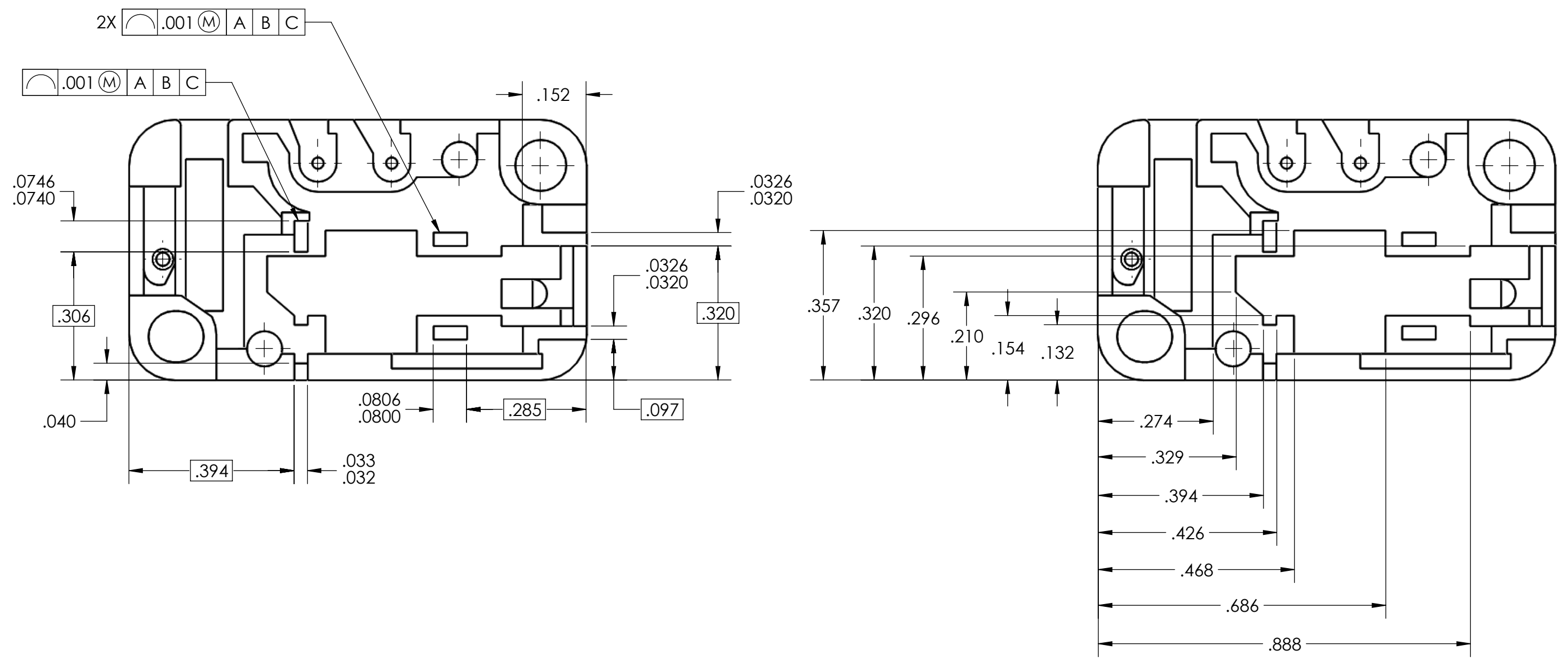
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DIMENSIONING AND TOLERANCING PER ASME Y14.5 1994 DIMENSIONS ARE IN INCHS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED x.x = ±0.03 x.xx = ±0.01 x.xxx = ±0.005 Angles = ±2°		Mechanical Engineering, Mechatronic Engineering, & Manufacturing Technology California State University, Chico <small>Template version 060411</small>		
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FINISH	PLAIN	MFG APPR	B	200-03-F15-MT-P9
	Q A		SCALE 4:1	REV -
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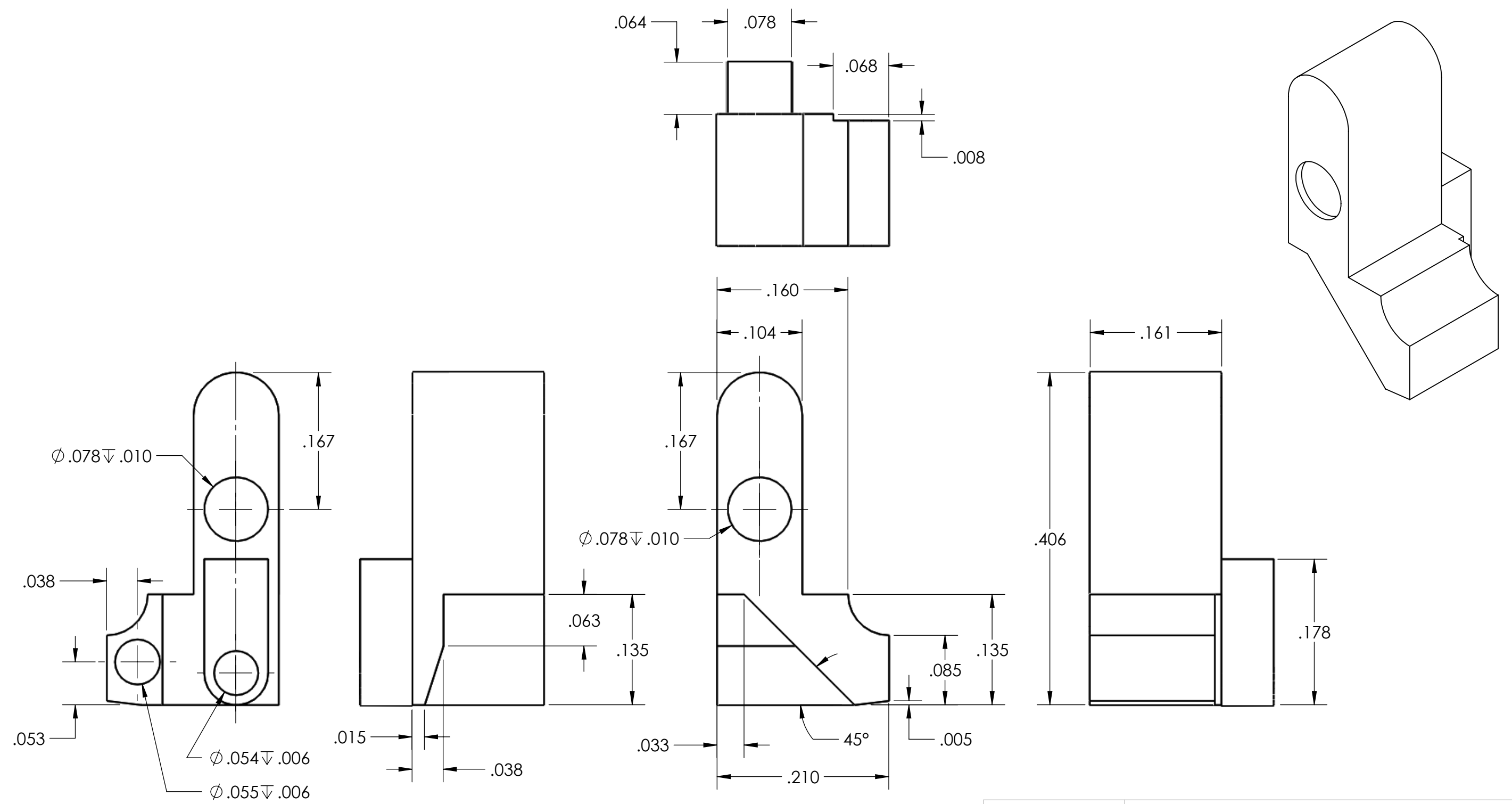
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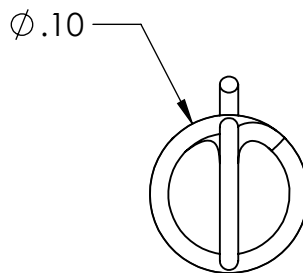
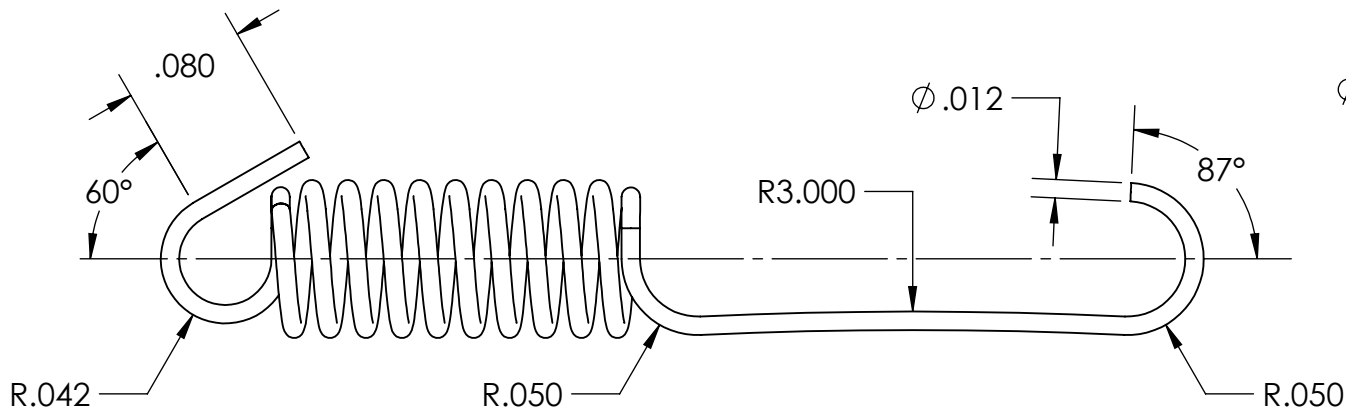
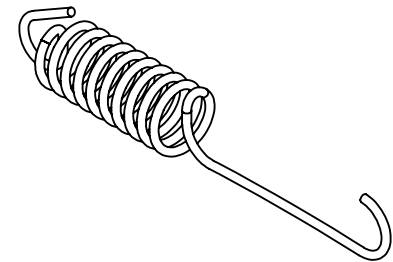
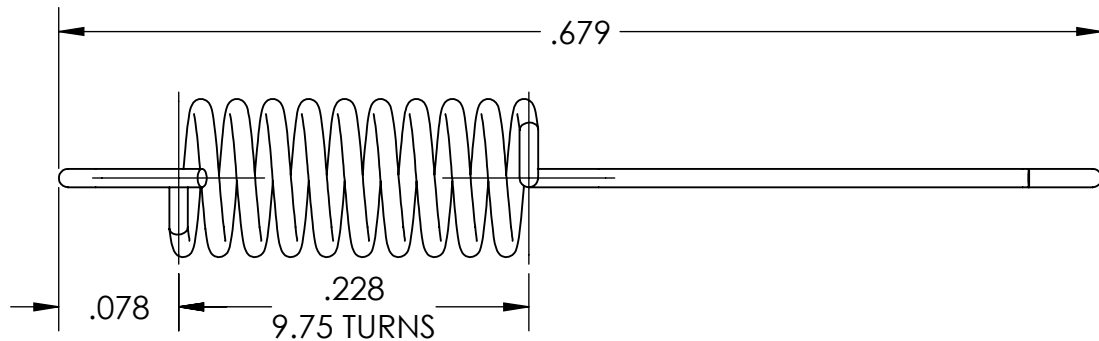
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**Mechanical Engineering, Mechatronic Engineering, & Manufacturing Technology
 California State University, Chico**

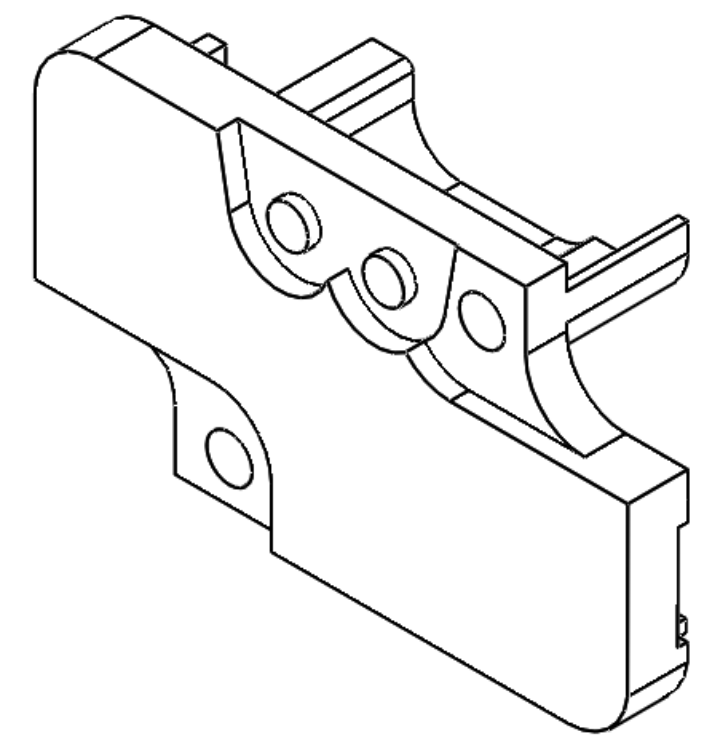
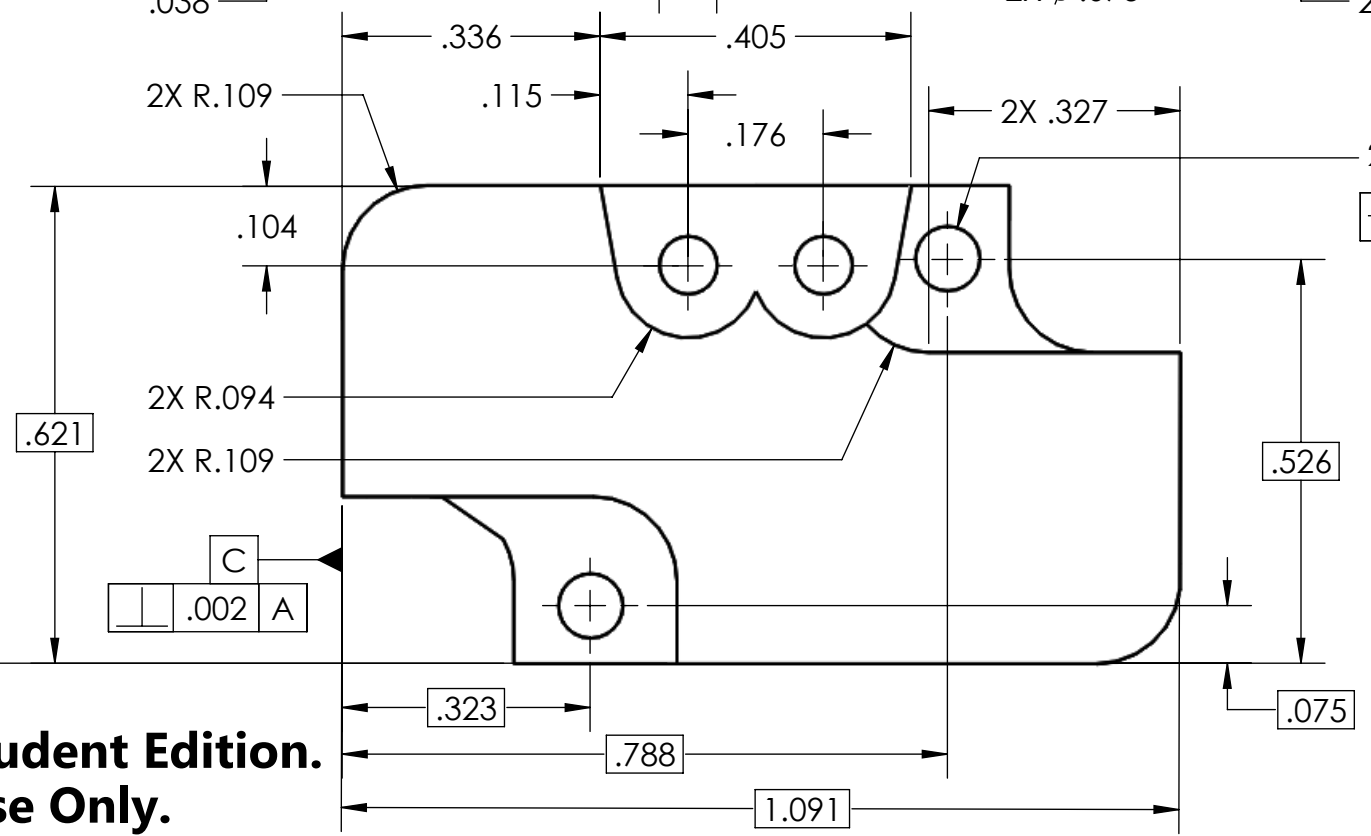
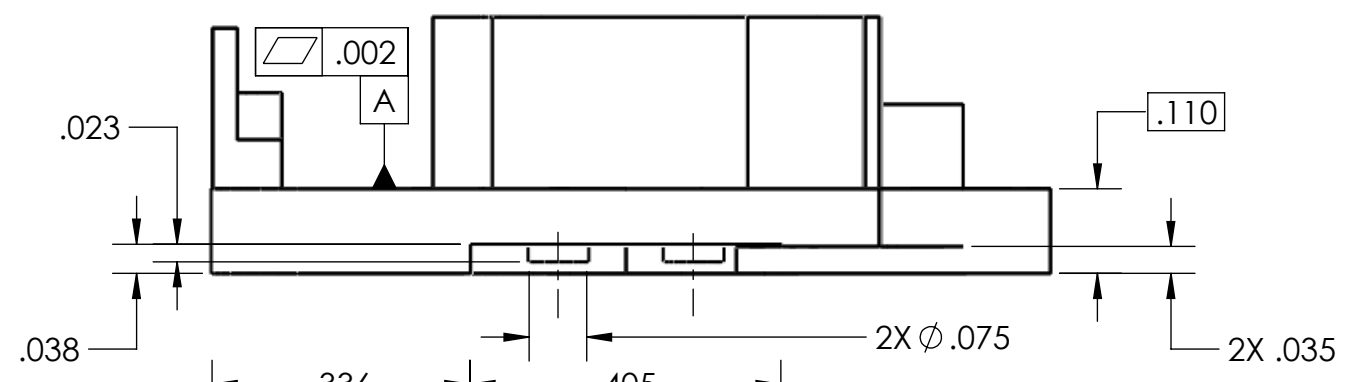
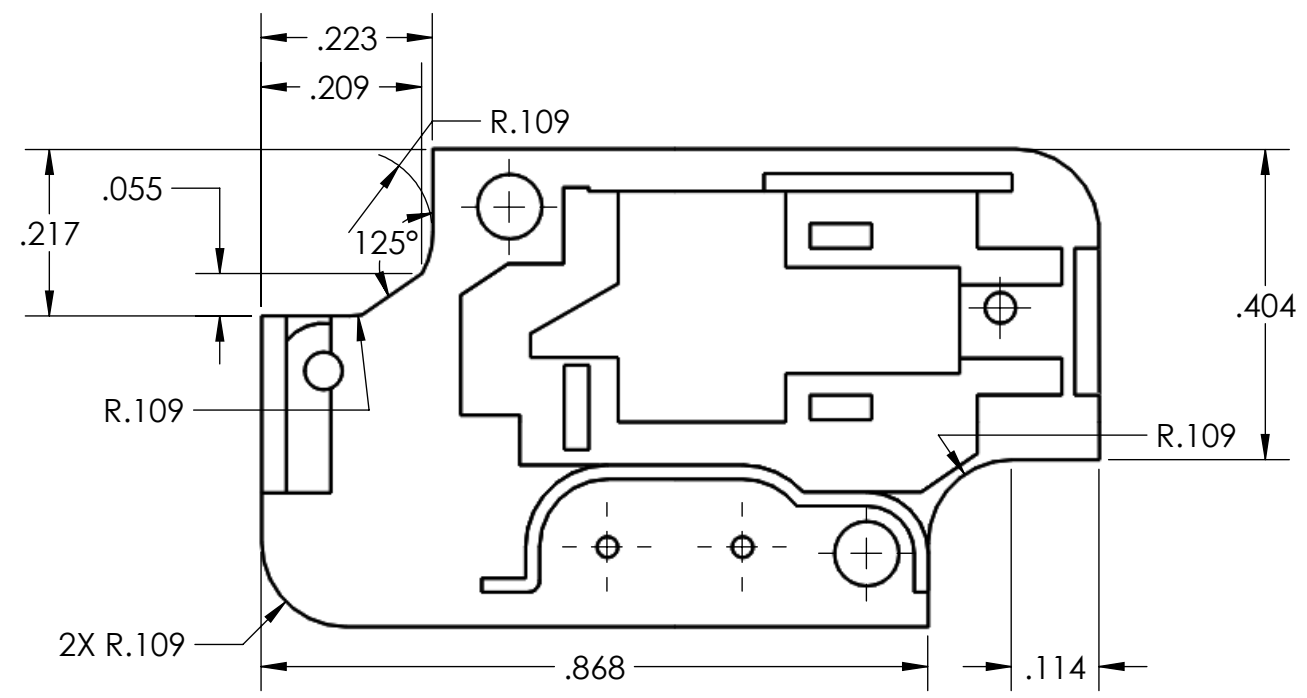
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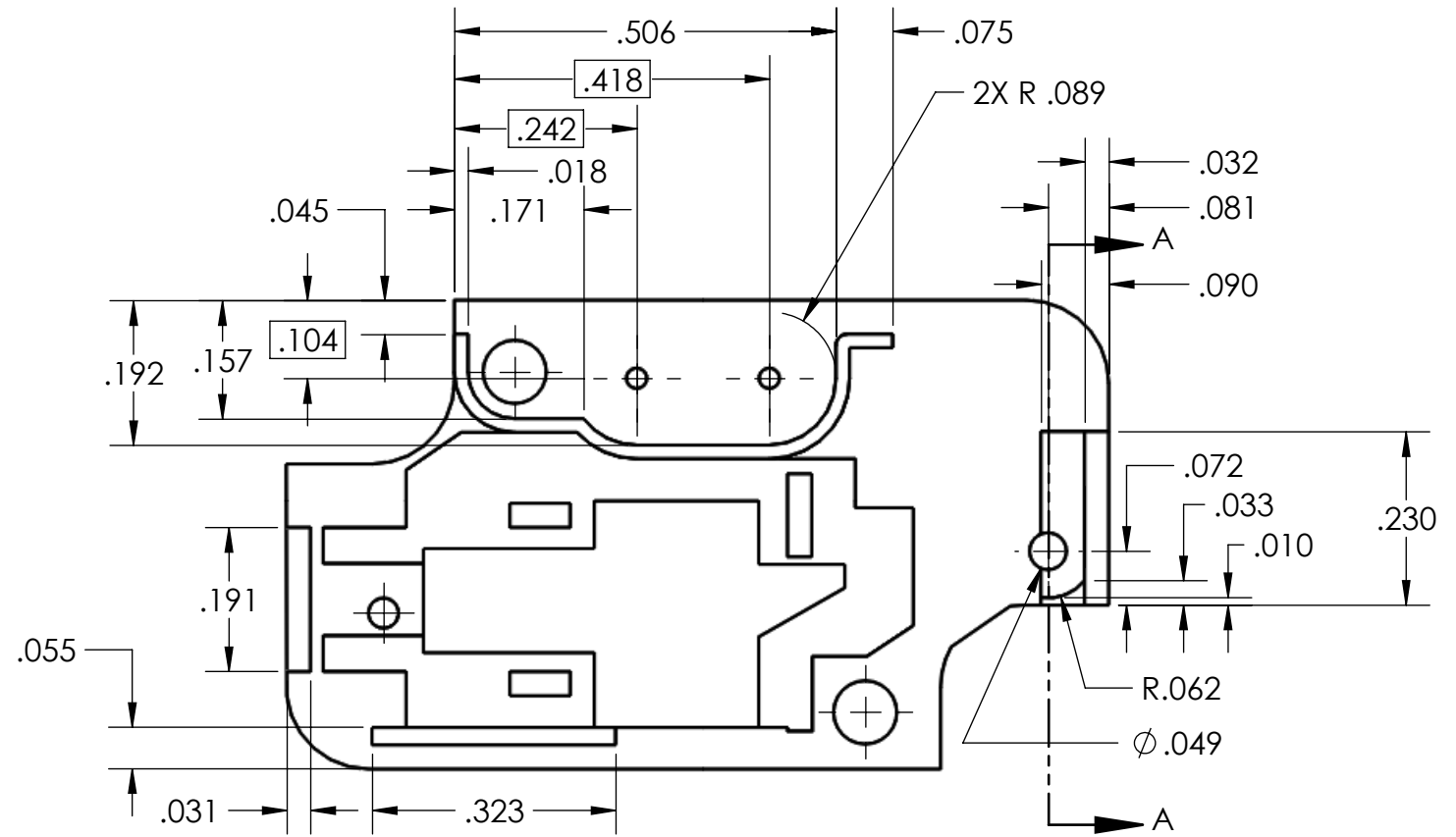
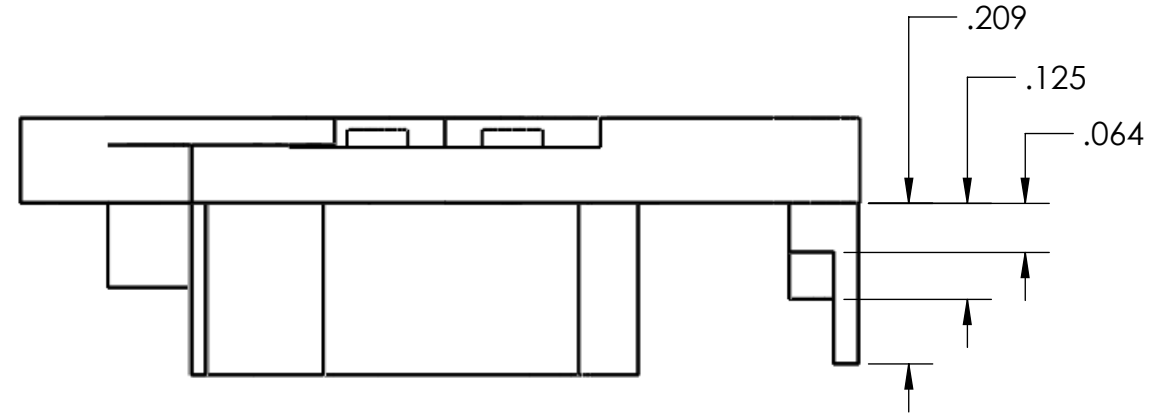
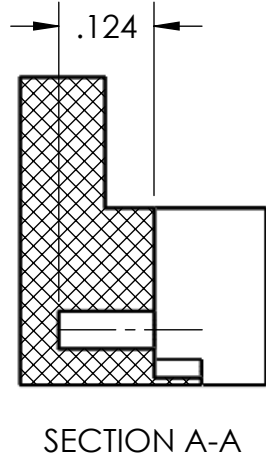
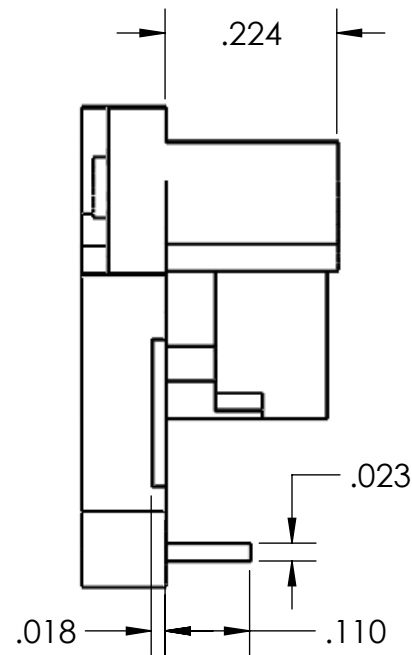
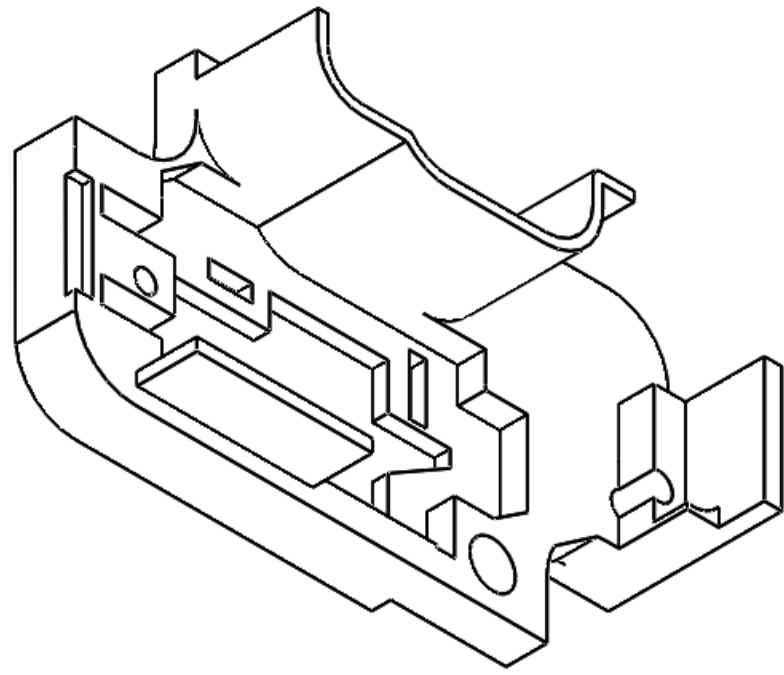
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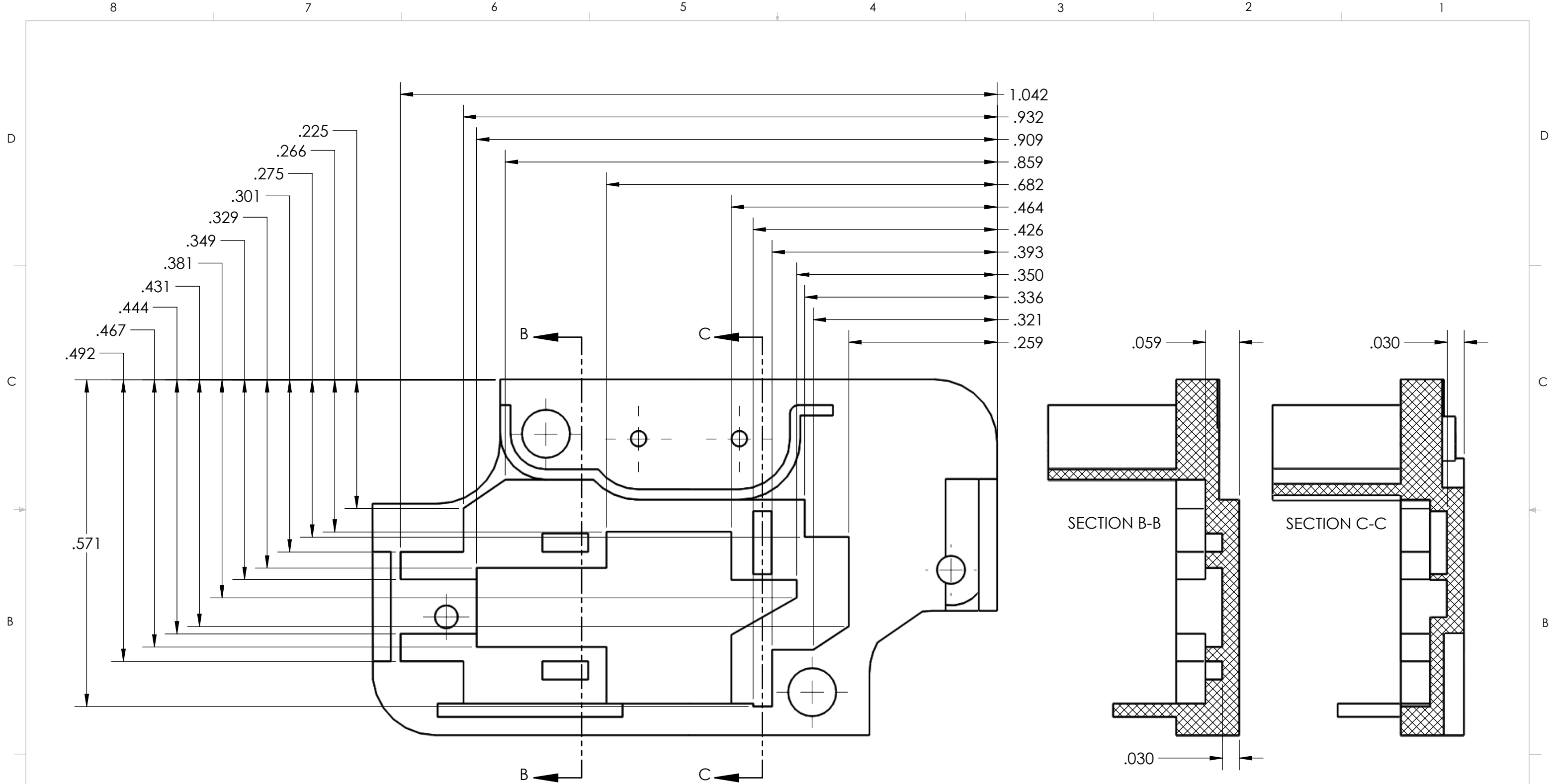
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TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED		DRAWN	RANDY RUBIN	151023
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TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED		DRAWN	RANDY RUBIN	151023
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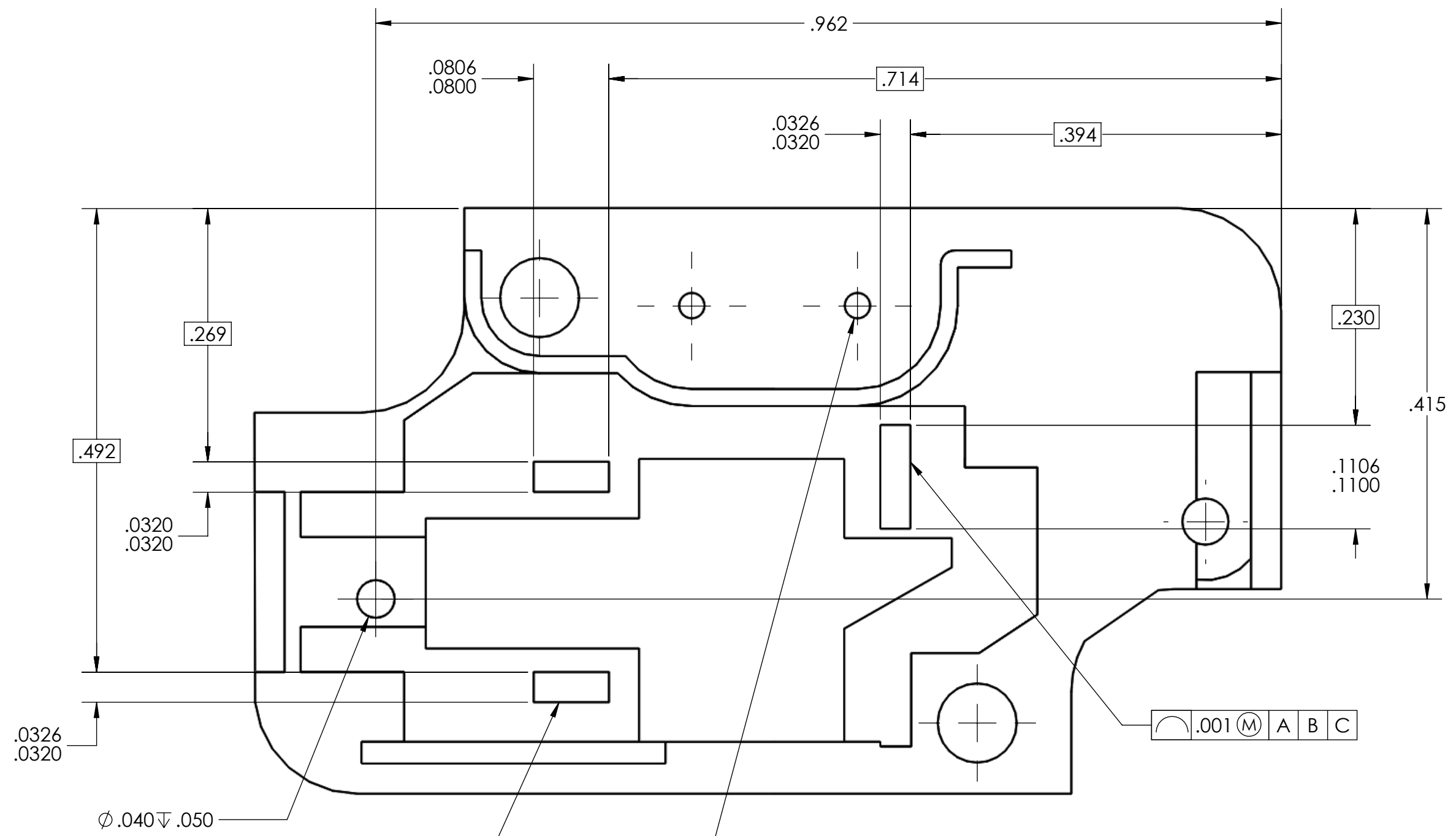


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DIMENSIONING AND TOLERANCING PER ASME Y14.5 1994 DIMENSIONS ARE IN INCHS UNLESS OTHERWISE SPECIFIED TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED x.x = ±0.03 x.xx = ±0.01 x.xxx = ±0.005 Angles = ±2°		Mechanical Engineering, Mechatronic Engineering, & Manufacturing Technology California State University, Chico <small>Template version 060411</small>			
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