

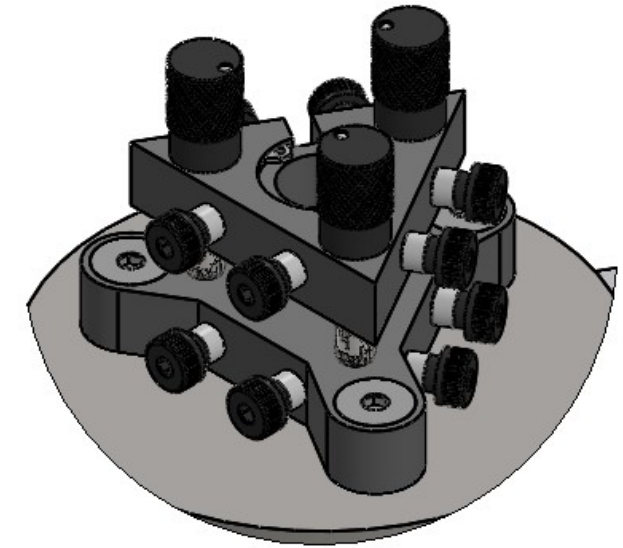
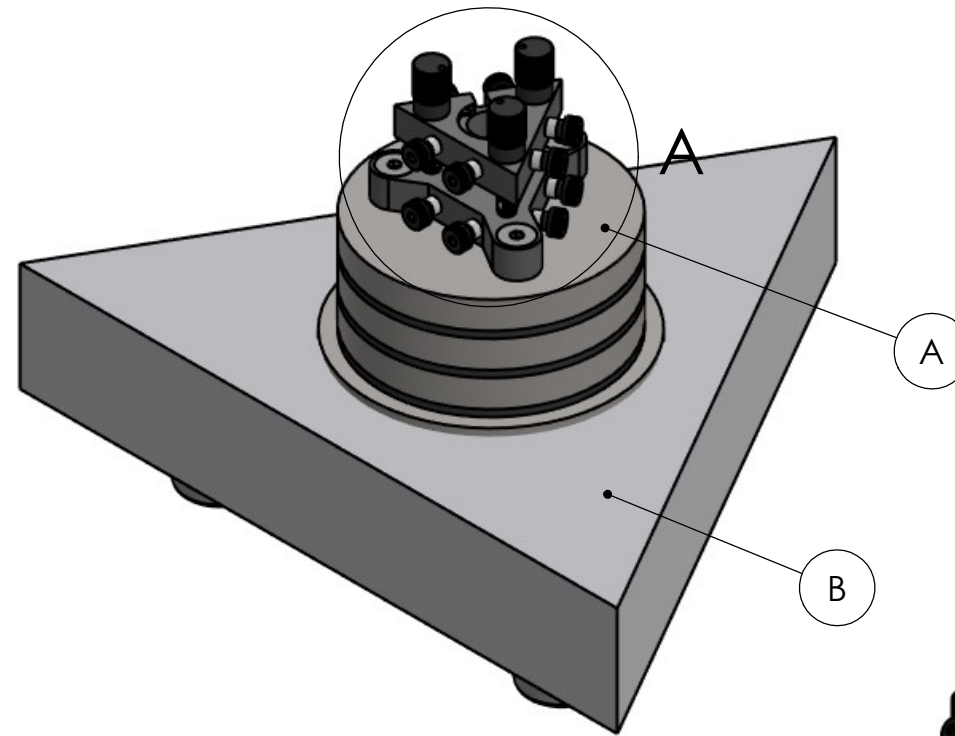
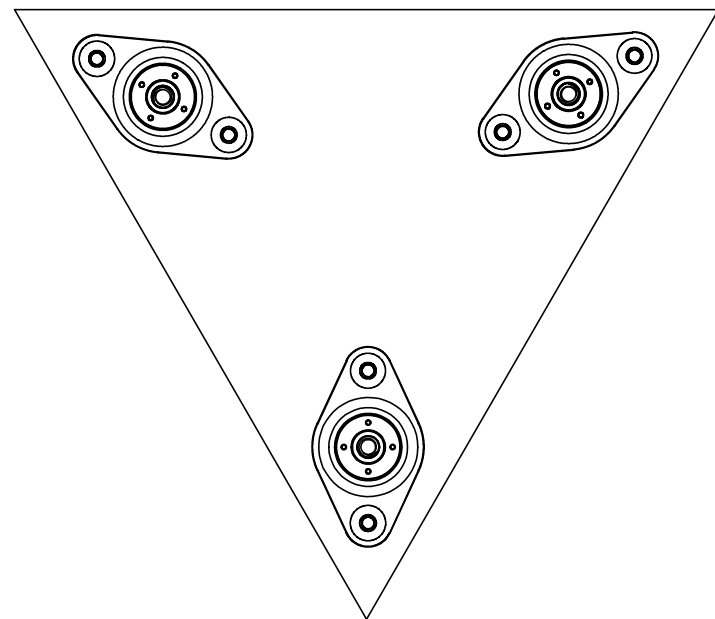
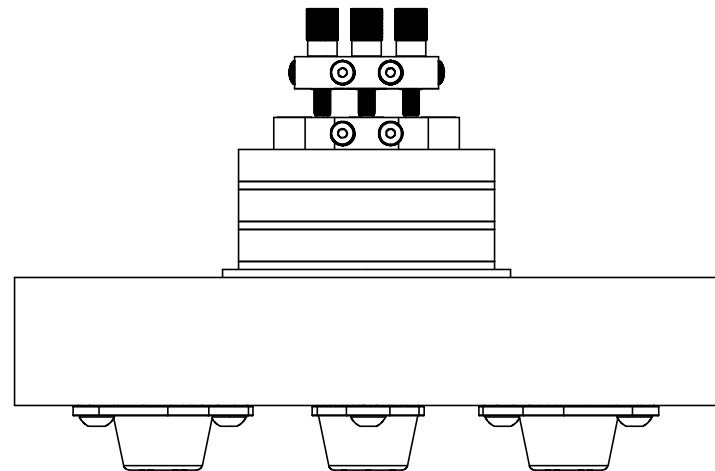
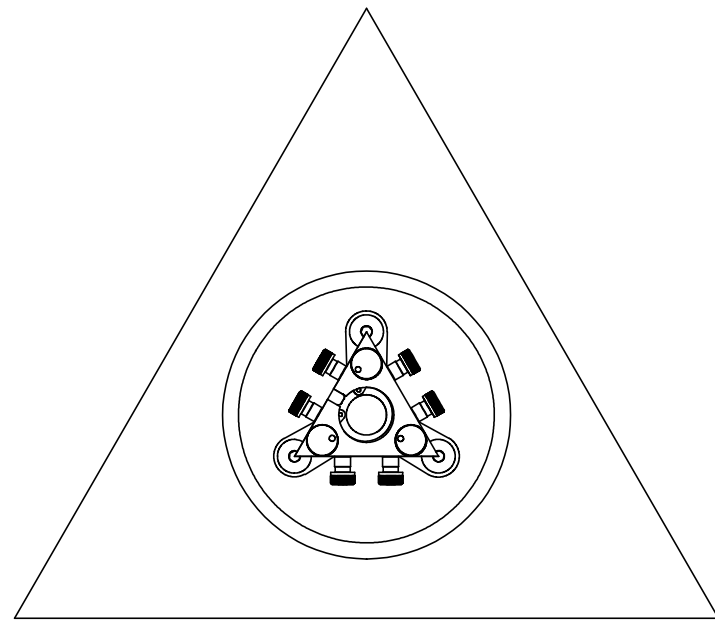
4

3

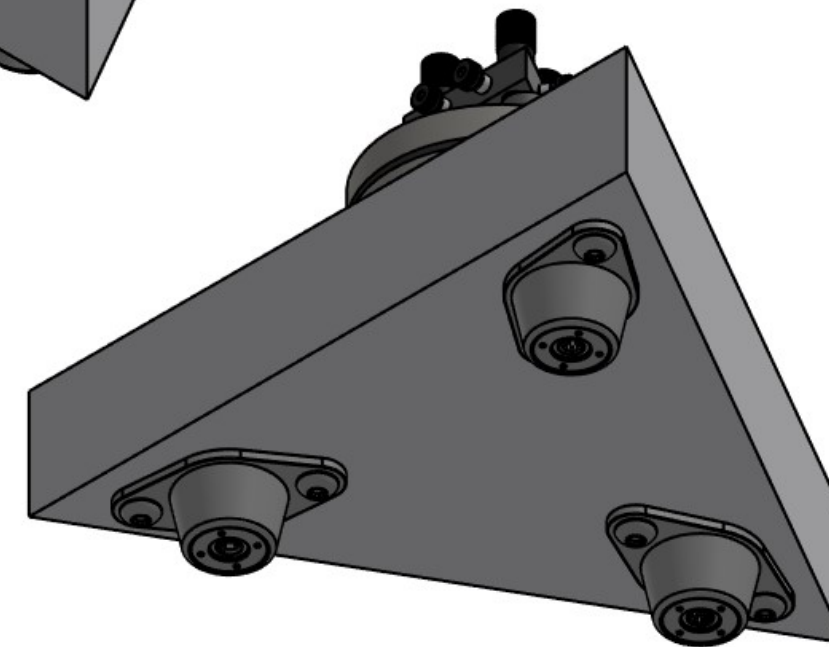
2

1

ITEM NO.	DESCRIPTION	QTY.
A	DAMPED MOUNTING SYSTEM	1
B	WEIGHTED BASE	1



DETAIL A
SCALE 2 : 2.5



PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF NORTHERN ARIZONA UNIVERSITY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF NORTHERN ARIZONA UNIVERSITY IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	TITLE: STM OVERVIEW
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	CHECKED		
		INTERPRET GEOMETRIC TOLERANCING PER:	ENG APPR.		
NEXT ASSY	USED ON	MATERIAL	MFG APPR.	Q.A.	SIZE DWG. NO. REV
APPLICATION		FINISH	COMMENTS:		B STM DRAWING
		DO NOT SCALE DRAWING			SCALE: 1:5 WEIGHT: SHEET 1 OF 6

3

2

1

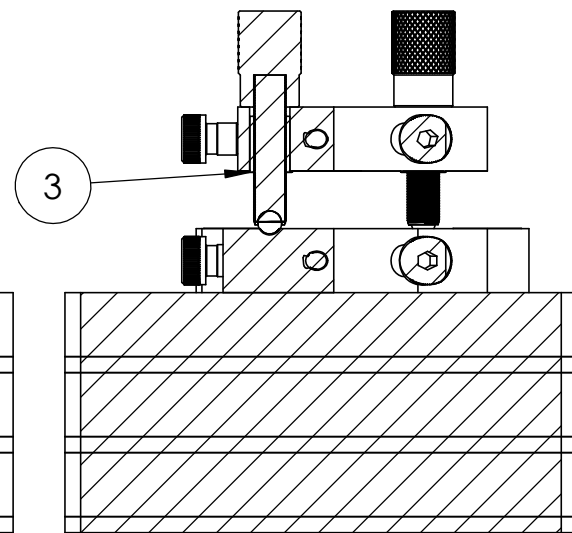
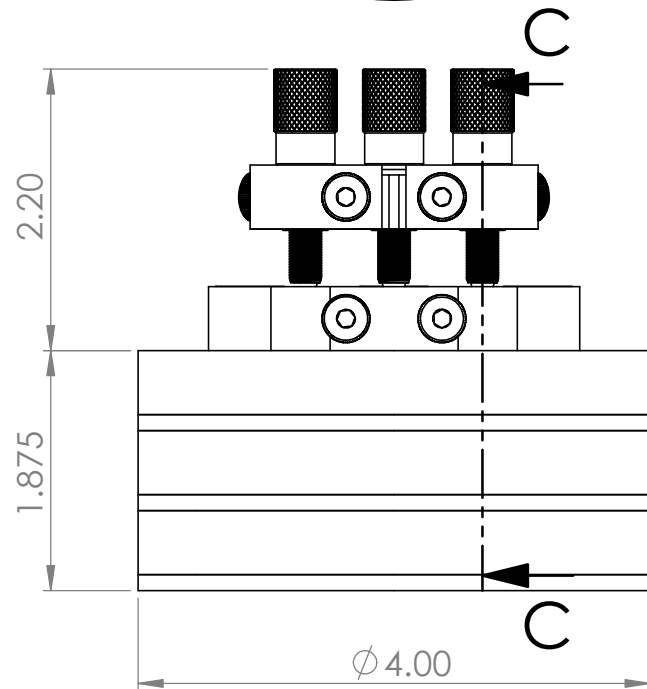
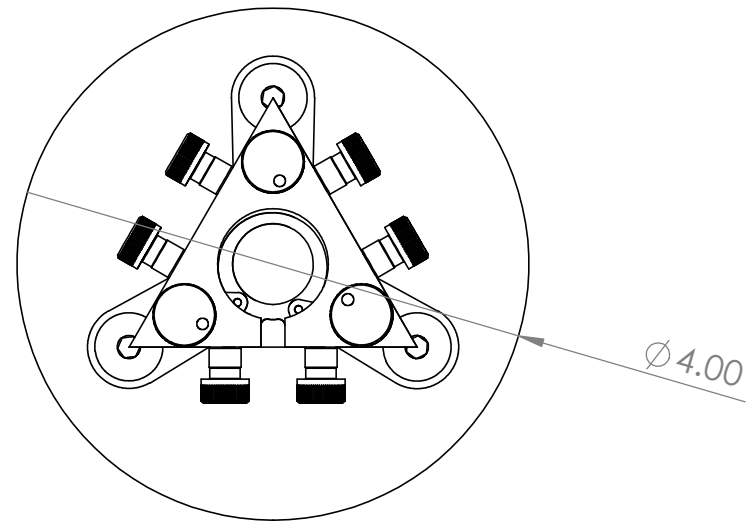
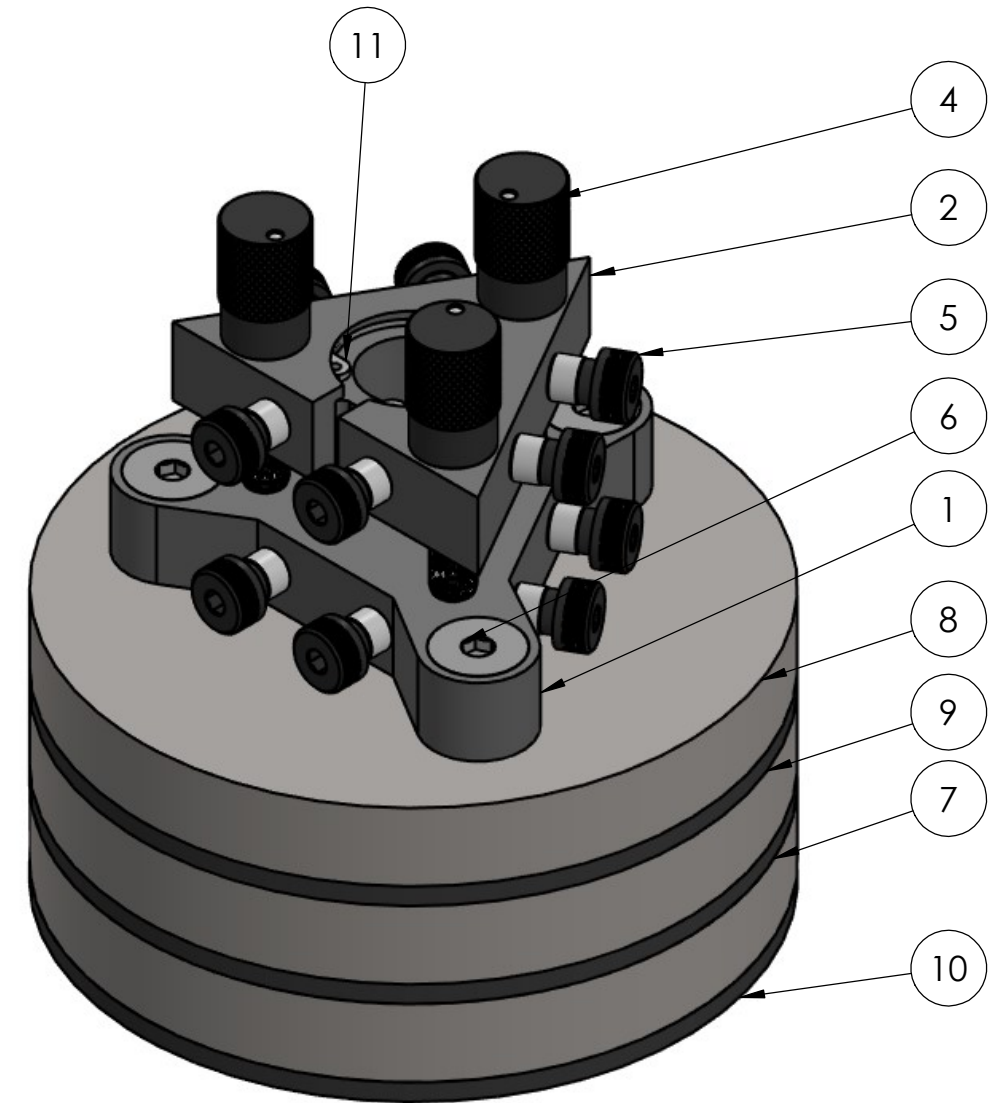
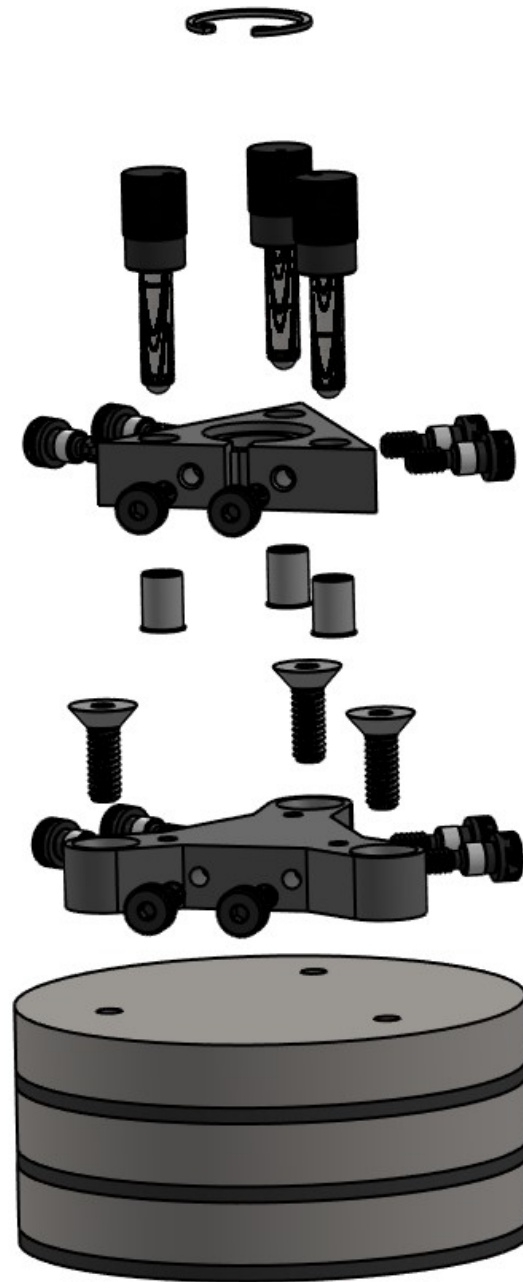
4

3

2

1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	N/A	BOTTOM OF STM BODY	1
2	N/A	TOP OF STM BODY	1
3	McMC #98625A960	LONG BRASS INSERT	3
4	McMC #97424A590	ULTRA-FINE-THREAD THUMB SCREW	3
5	McMC #91259A533	ALLOY STEEL SHOULDER SCREW	12
6	McMC #91253A540	HEX DRIVE FLAT HEAD SCREW	3
7	N/A	4" X 0.50" VIBRATION PLATE	1
8	N/A	4" X 0.50" VIBRATION PLATE	1
9	N/A	4" X 0.50" VIBRATION PLATE	1
10	N/A	4" RUBBER DAMPENER	3
11	McMC #98409A191	Internal Retaining Ring	1



SECTION C-C

PROPRIETARY AND CONFIDENTIAL
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF NORTHERN ARIZONA UNIVERSITY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF NORTHERN ARIZONA UNIVERSITY IS PROHIBITED.

UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		DRAWN	
TOLERANCES:		CHECKED	
FRACTIONAL: ±		ENG APPR.	
ANGULAR: MACH ± BEND ±		MFG APPR.	
TWO PLACE DECIMAL ±		Q.A.	
THREE PLACE DECIMAL ±		COMMENTS:	
INTERPRET GEOMETRIC TOLERANCING PER:	MATERIAL		
FINISH			
NEXT ASSY	USED ON		
APPLICATION	DO NOT SCALE DRAWING		

TITLE:		
DAMPED MOUNTING SYSTEM		
SIZE	DWG. NO.	REV
B	STM DRAWING	
SCALE: 1:1.5		WEIGHT:
		SHEET 2 OF 6

3

2

1

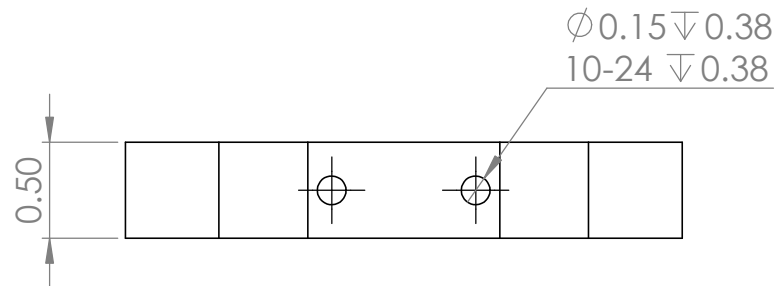
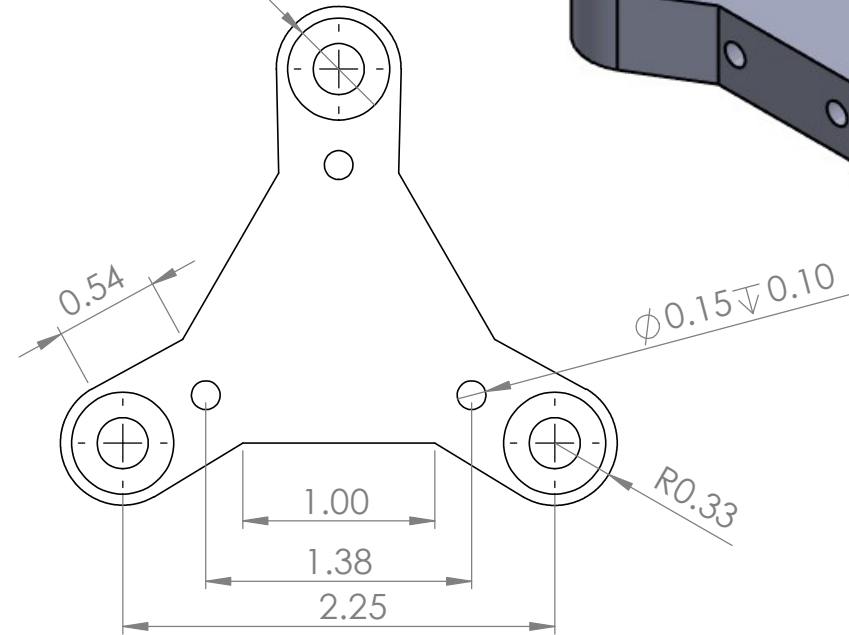
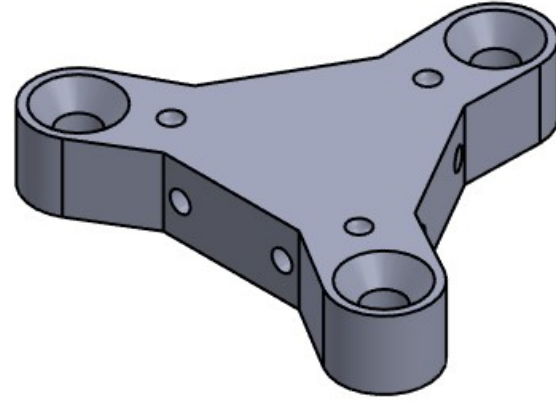
4

3

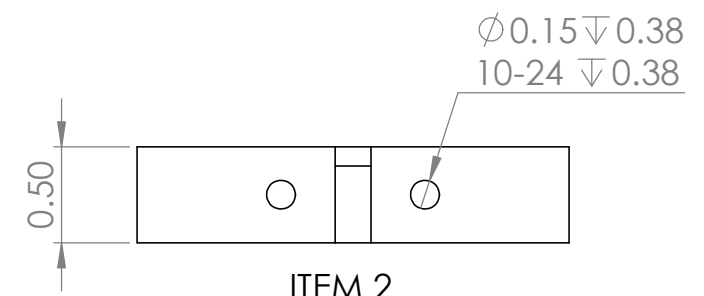
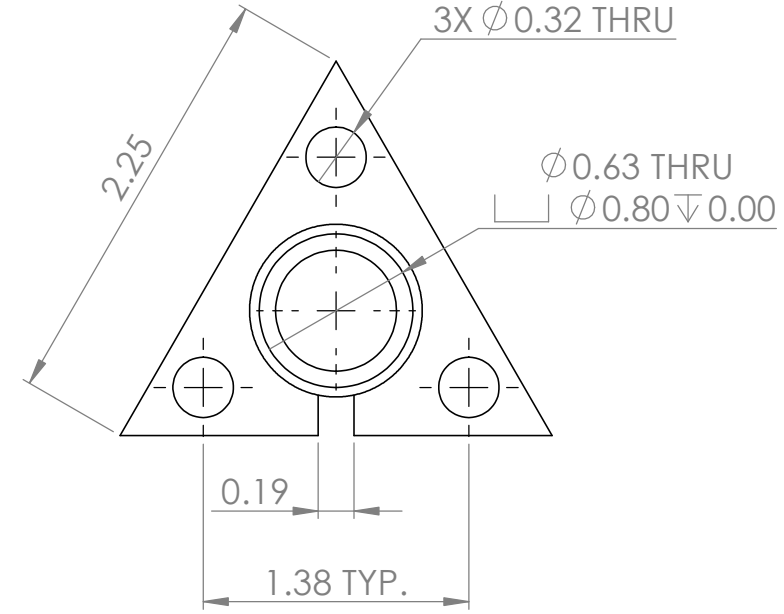
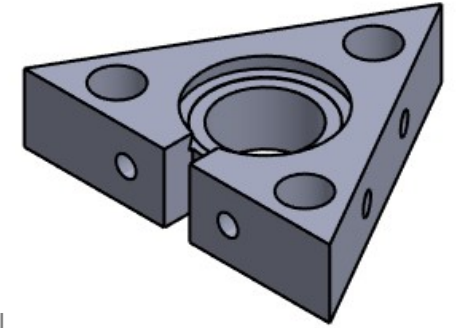
2

1

3X $\phi 0.27$ THRU
 $\surd \phi 0.53 \times 82^\circ$



ITEM 1
3D PRINTED
QTY 1 REQ'D



ITEM 2
3D PRINTED
QTY 1 REQ'D

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES		DRAWN	
		TOLERANCES:		CHECKED	
		FRACTIONAL: \pm		ENG APPR.	
		ANGULAR: MACH \pm BEND \pm		MFG APPR.	
		TWO PLACE DECIMAL \pm		Q.A.	
		THREE PLACE DECIMAL \pm		COMMENTS:	
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
PART DETAILS

SIZE	DWG. NO.	REV
B	STM DRAWING	
SCALE: 1:1	WEIGHT:	SHEET 3 OF 6

3

2

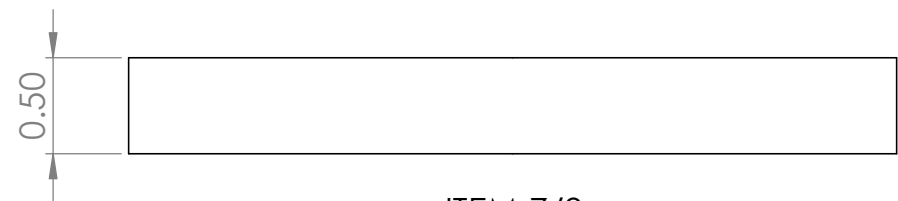
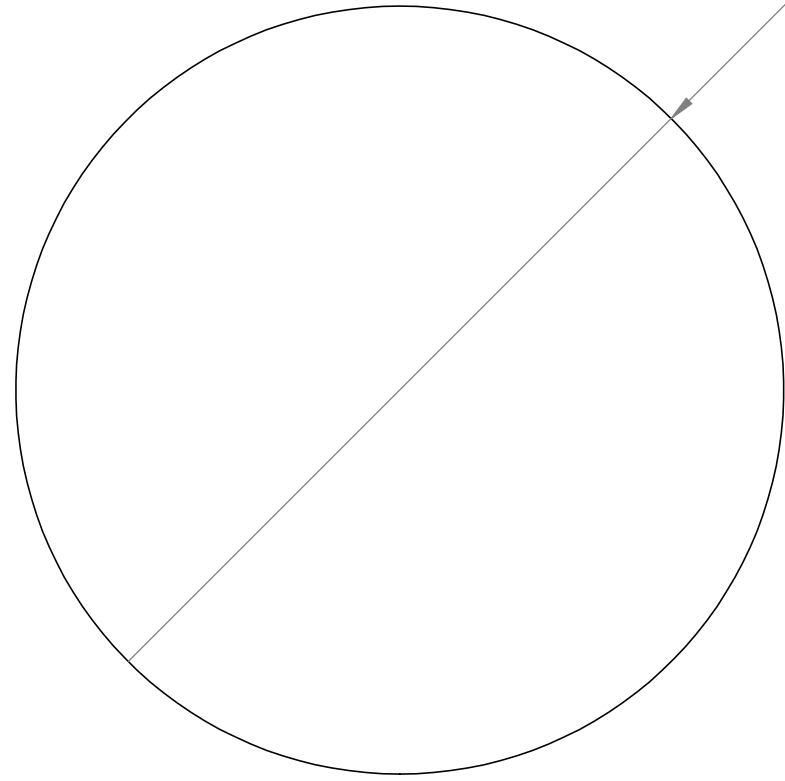
1

4

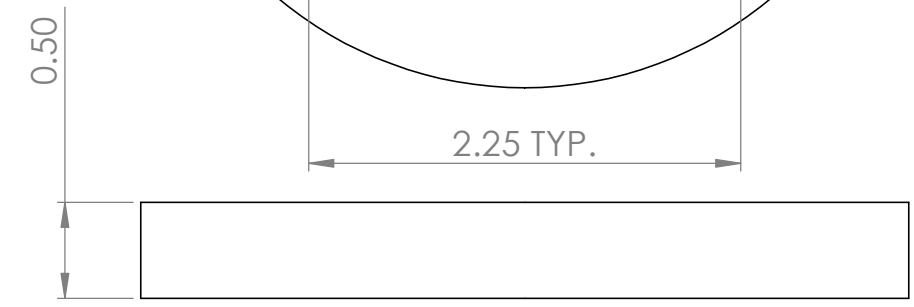
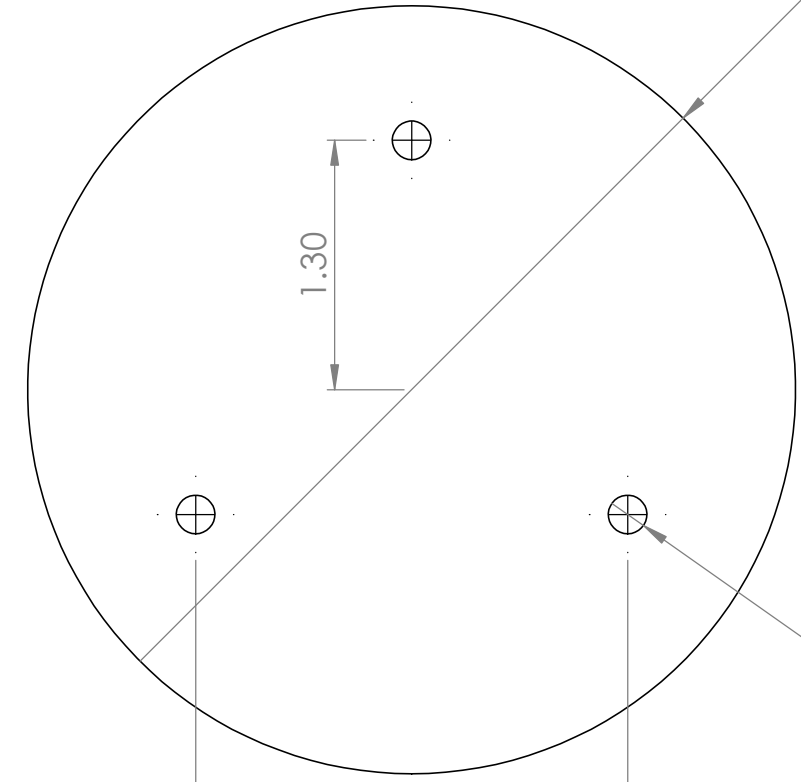
3

2

1



ITEM 7/9
1018 STEEL
QTY 1 REQ'D



ITEM 8
1018 STEEL
QTY 1 REQ'D

3 x TAP 1/4" - 20

B

B

A

A

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF NORTHERN ARIZONA UNIVERSITY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF NORTHERN ARIZONA UNIVERSITY IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	TITLE: PART DETAILS
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL: ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		SIZE DWG. NO. REV
		THREE PLACE DECIMAL ±	COMMENTS:		B STM DRAWING
		INTERPRET GEOMETRIC TOLERANCING PER:			SCALE: 5:1 WEIGHT: SHEET 4 OF 6
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

3

2

1

4

3

2

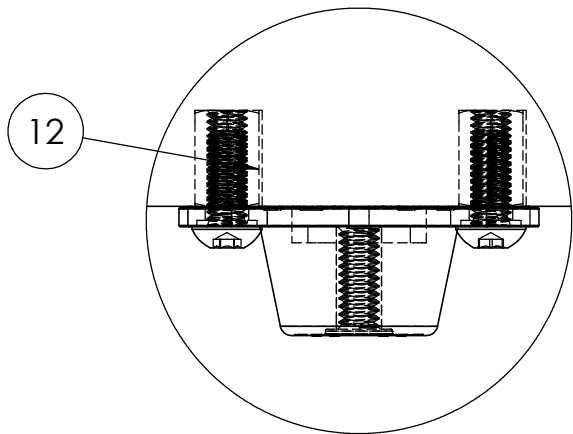
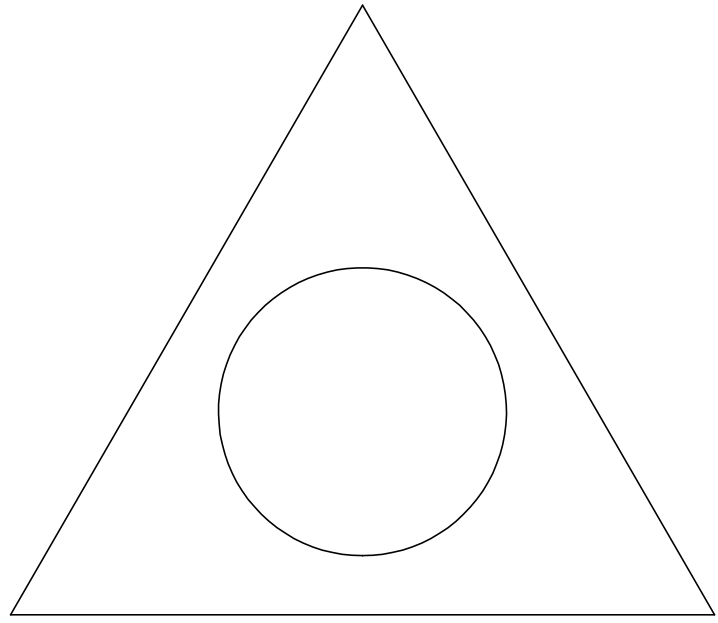
1

B

B

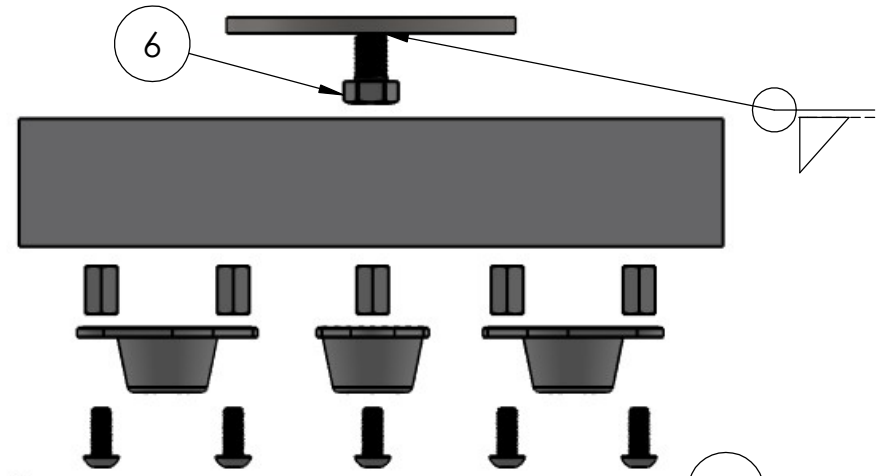
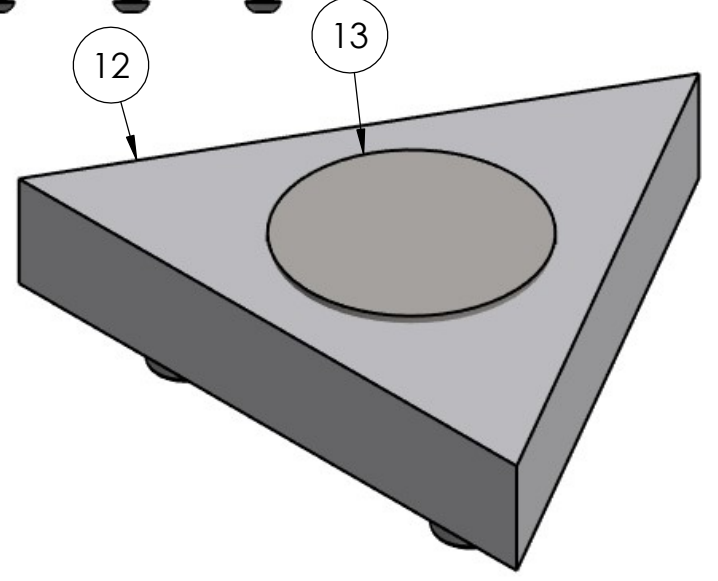
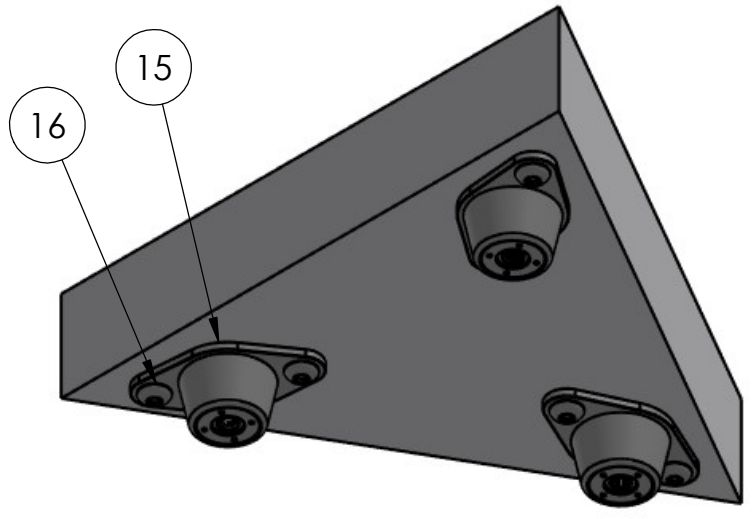
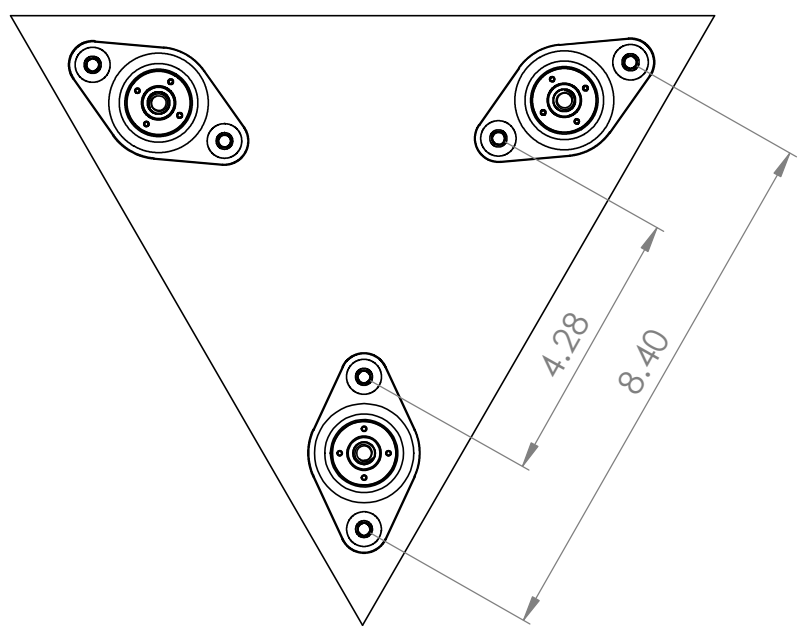
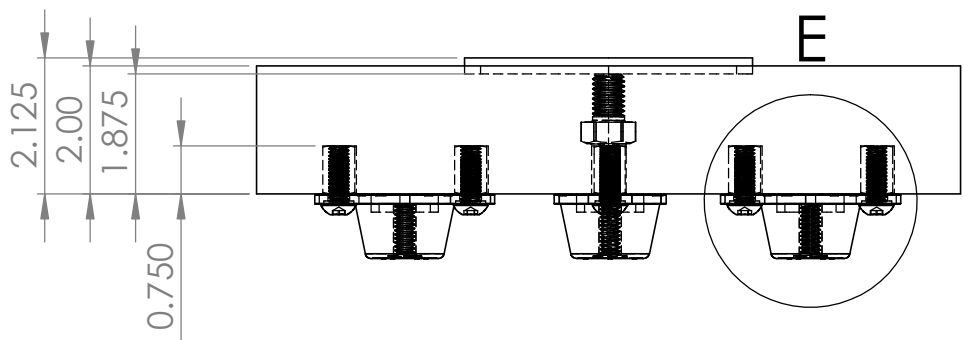
A

A



DETAIL E
SCALE 2:3

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
12	N/A	CONCRETE BASE	1
13	N/A	4" X 0.25" VIBRATION PLATE	1
15	McMC #64875K61	Bolt-Down Vibration-Damping Mount	3
16	McMC #92949A581	18-8 Stainless Steel Button Head Hex Drive Screw	6
5	McMC #90264A445	Zinc-Plated Steel Coupling Nut	6
6	92620A709	Zinc Yellow-Chromate Plated Hex Head Screw	1



PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF NORTHERN ARIZONA UNIVERSITY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF NORTHERN ARIZONA UNIVERSITY IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	TITLE: WEIGHTED BASE OVERVIEW SIZE DWG. NO. REV B STM DRAWING
		DIMENSIONS ARE IN INCHES	DRAWN		
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
NEXT ASSY	USED ON	MATERIAL			
APPLICATION		FINISH			
		DO NOT SCALE DRAWING			

3

2

1

4

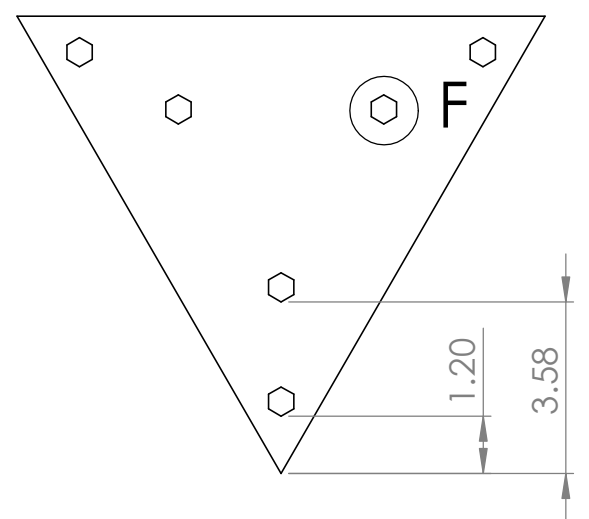
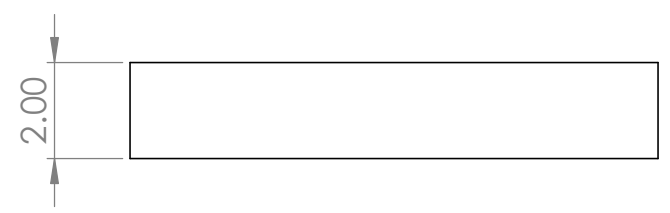
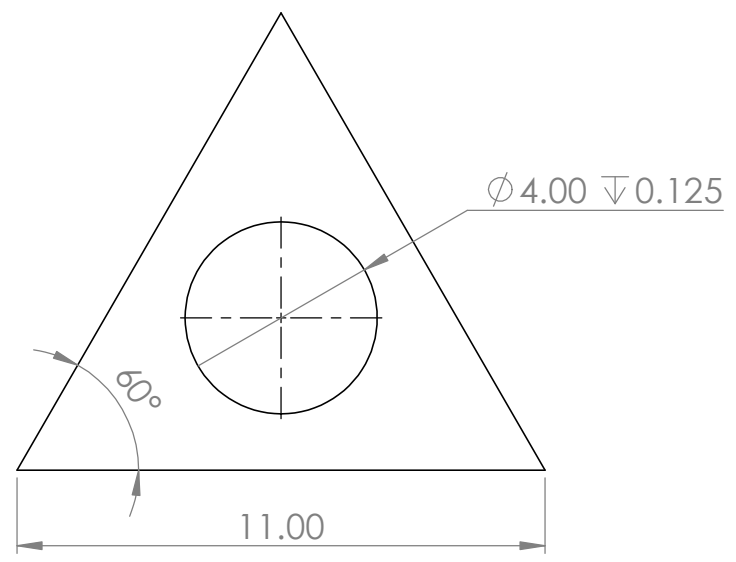
3

2

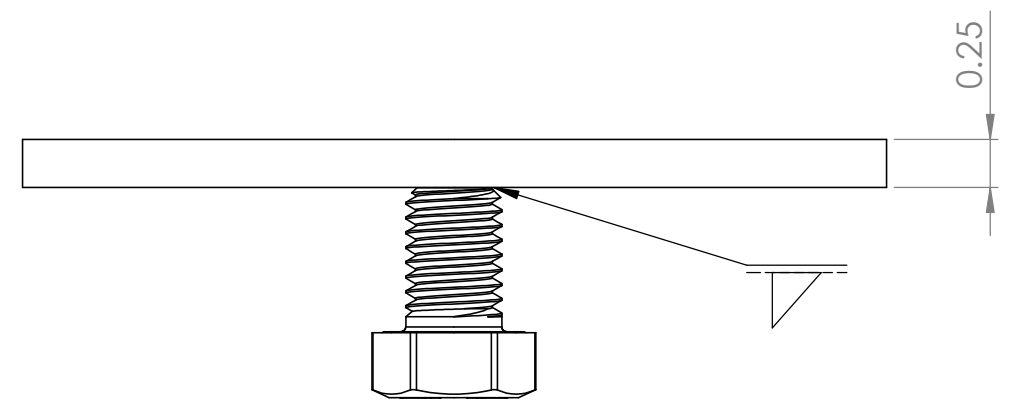
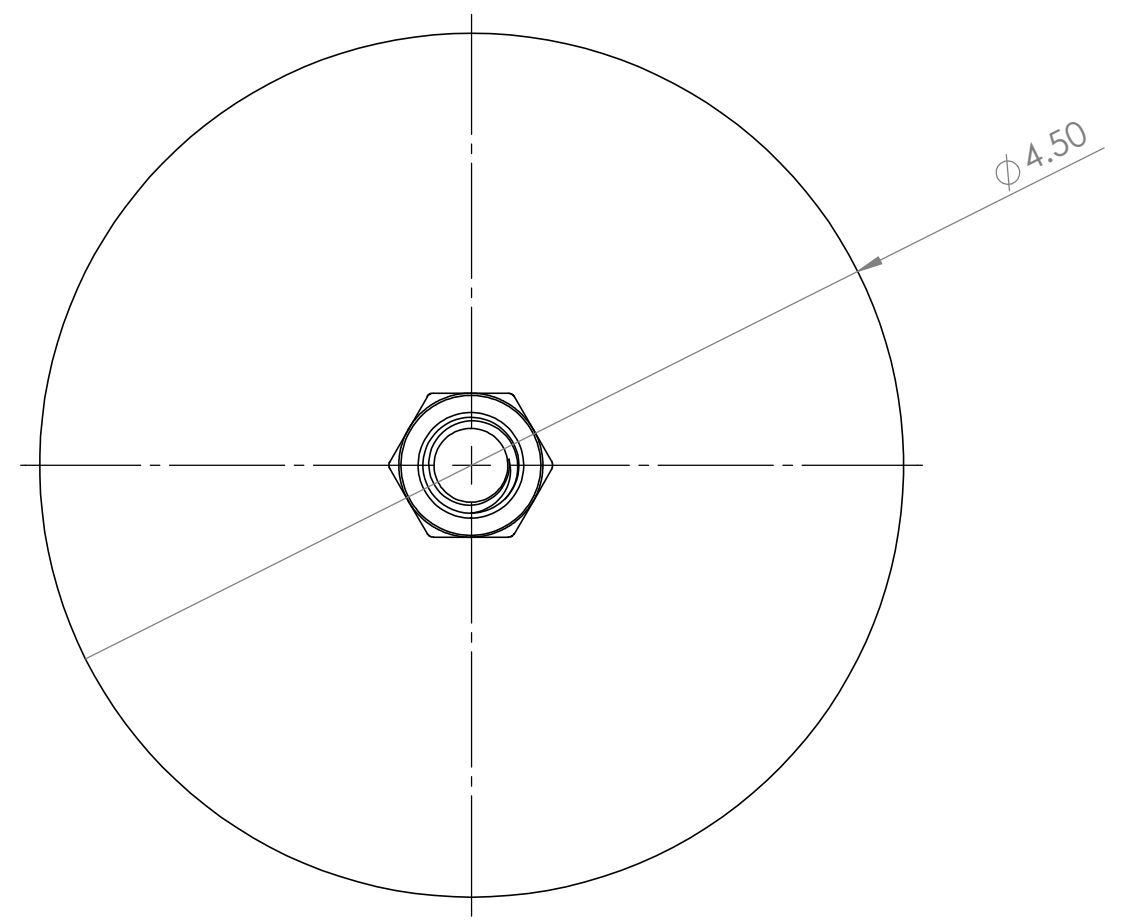
1

B

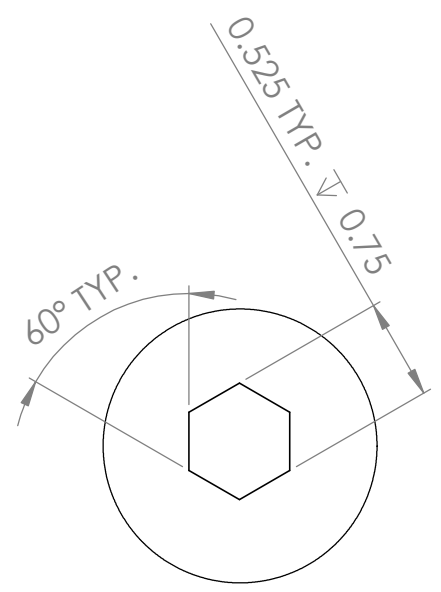
B



ITEM 12
CAST CONCRETE
QTY 1 REQ'D



ITEM 13
1018 STEEL
QTY 1 REQ'D



DETAIL F

SCALE 1 : 1

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF NORTHERN ARIZONA UNIVERSITY. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF NORTHERN ARIZONA UNIVERSITY IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES		DRAWN	
		TOLERANCES:		CHECKED	
		FRACTIONAL: ±		ENG APPR.	
		ANGULAR: MACH ± BEND ±		MFG APPR.	
		TWO PLACE DECIMAL ±		Q.A.	
		THREE PLACE DECIMAL ±		COMMENTS:	
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			
TITLE: PART DETAILS					
SIZE	DWG. NO.	REV			
B	STM DRAWING				
SCALE: 1:4		WEIGHT:		SHEET 6 OF 6	

A

A

3

2

1