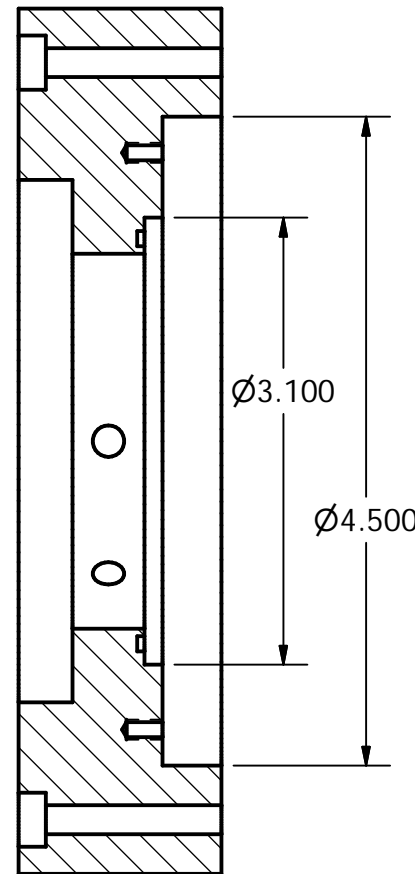
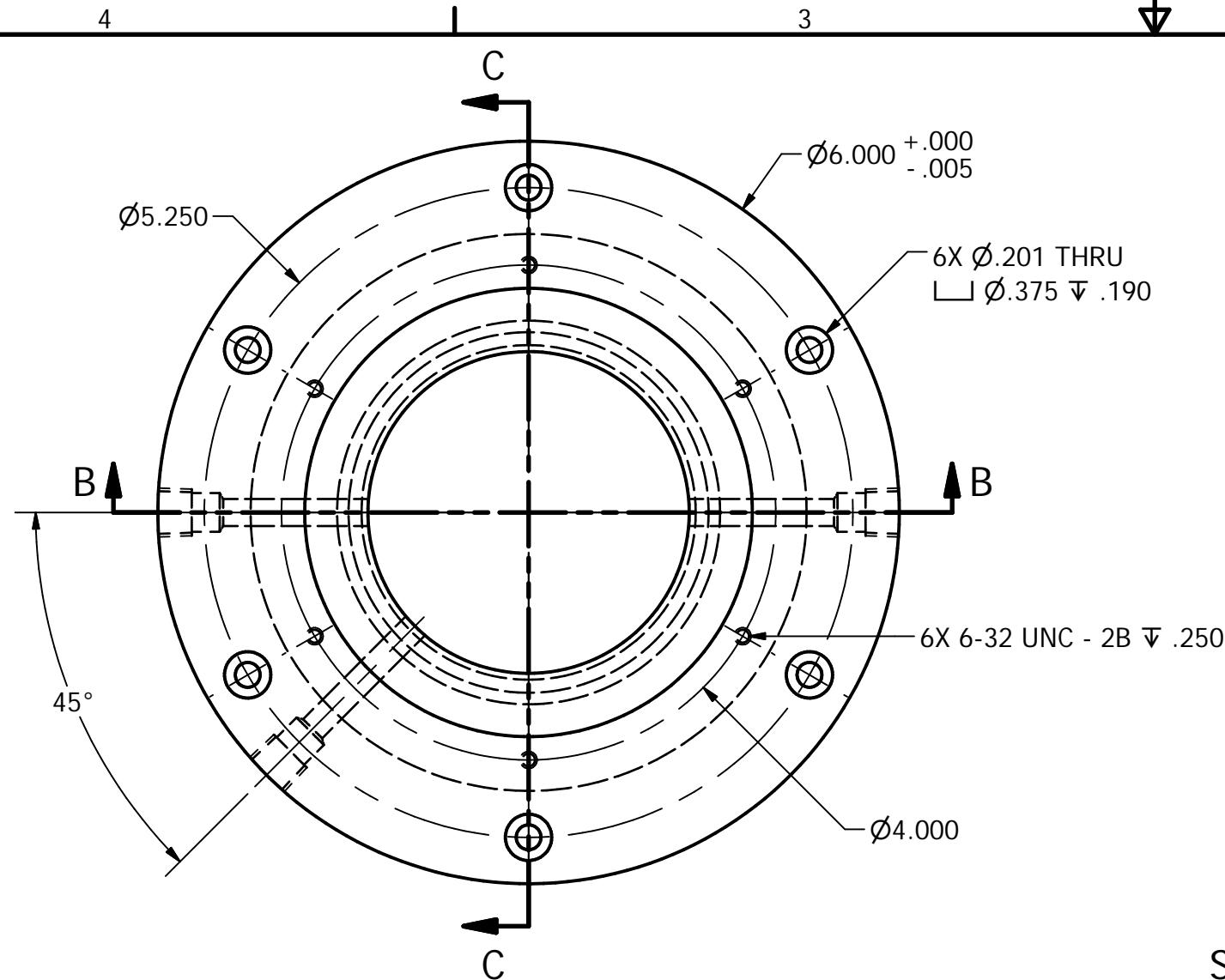


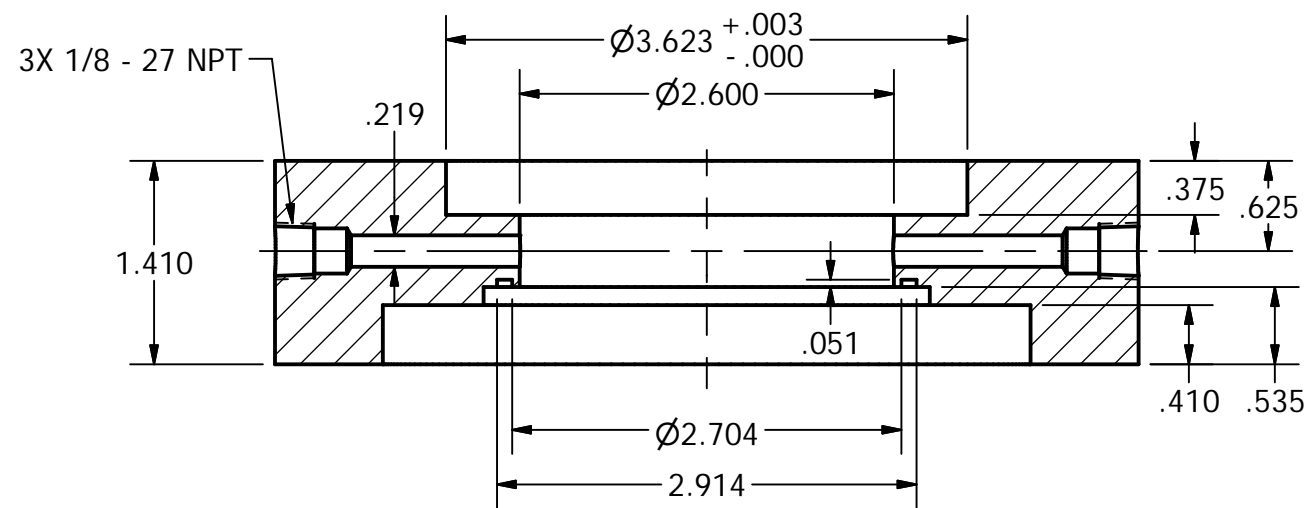
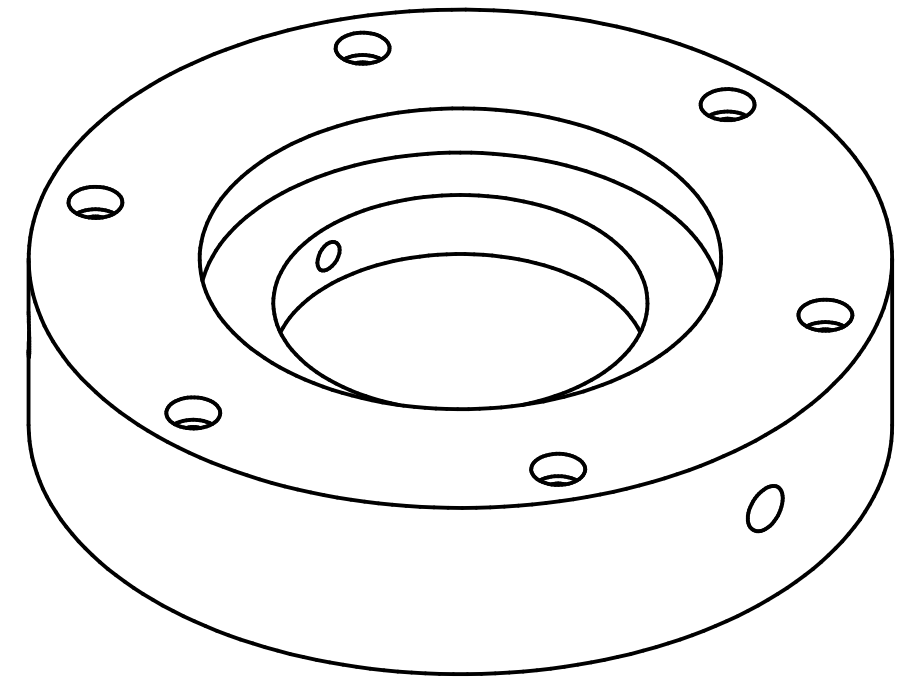
REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	ADDED CS-034, MODIFIED CS-006,011,012,020,025,026,027,028,029	10/06/08	
	2	MODIFIED CS-004,015,017,023	11/12/2008	

DRAWN JASON MOORE CHECKED		4/26/2008		UNIVERSITY OF CALIFORNIA, DAVIS	
				TITLE CELL SHEARER	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED:				SIZE B	
X.X = ±0.1	X/XX = ±1/32	DWG NO CS-000		REV 1	
X.XX = ±0.03	X° = ±1°	SCALE 1:2		SHEET 1 OF 36	
X.XXX = ±0.005	X.X° = ±.5°				
X.XXXX = ±0.0005	X.XX° = ±.05°				

Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-001	WELL	316 STAINLESS STEEL



SECTION C-C
SCALE 3/4



SECTION B-B
SCALE 3/4

DRAWN	4/26/2008
JASON MOORE	
CHECKED	

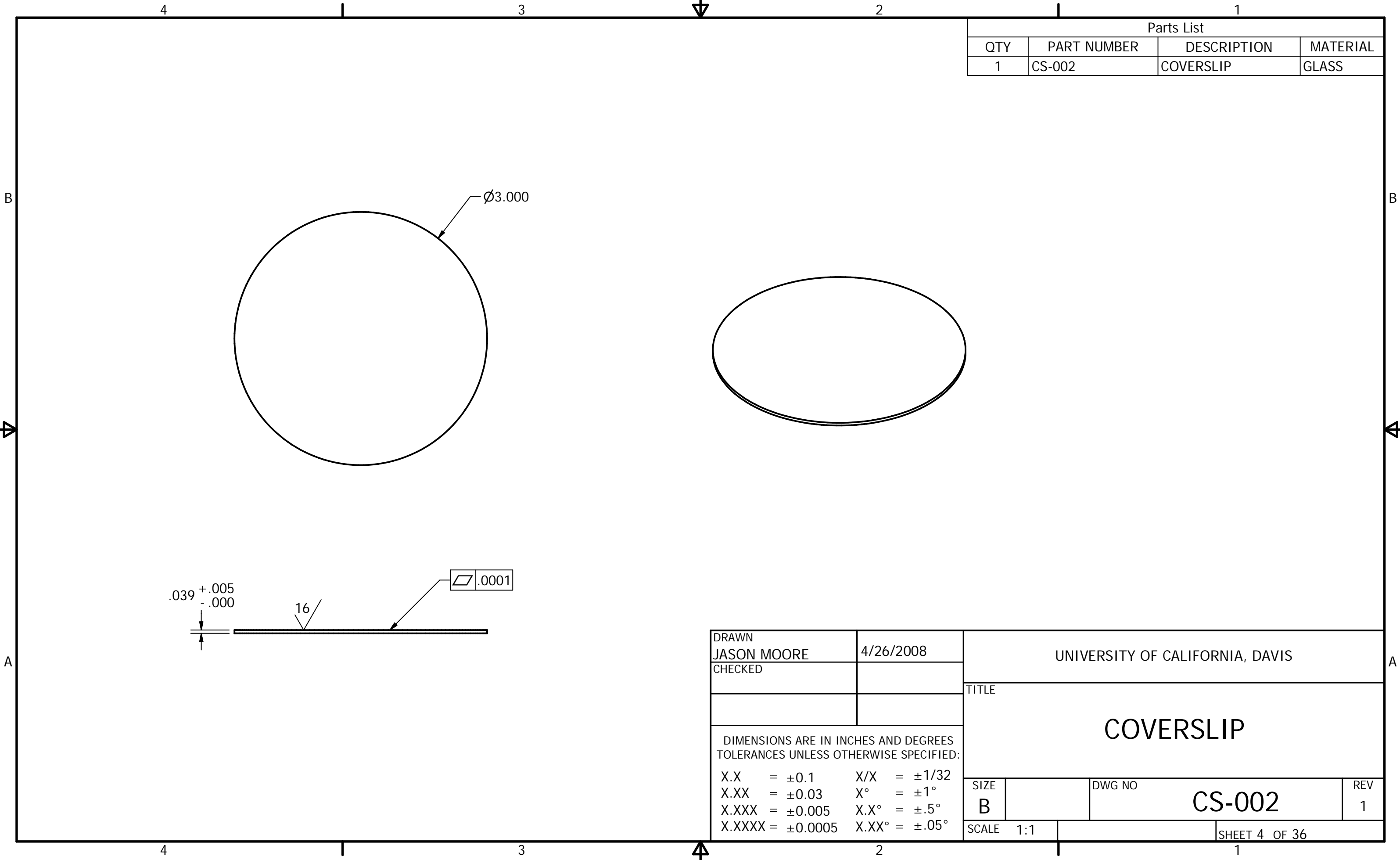
UNIVERSITY OF CALIFORNIA, DAVIS	
TITLE	

WELL

DIMENSIONS ARE IN INCHES AND DEGREES
TOLERANCES UNLESS OTHERWISE SPECIFIED:

X.X	= ±0.1	X/X	= ±1/32
X.XX	= ±0.03	X°	= ±1°
X.XXX	= ±0.005	X.X°	= ±.5°
X.XXXX	= ±0.0005	X.XX°	= ±.05°

SIZE	DWG NO	REV
B	CS-001	1
SCALE	SHEET 3 OF 36	
3:4		



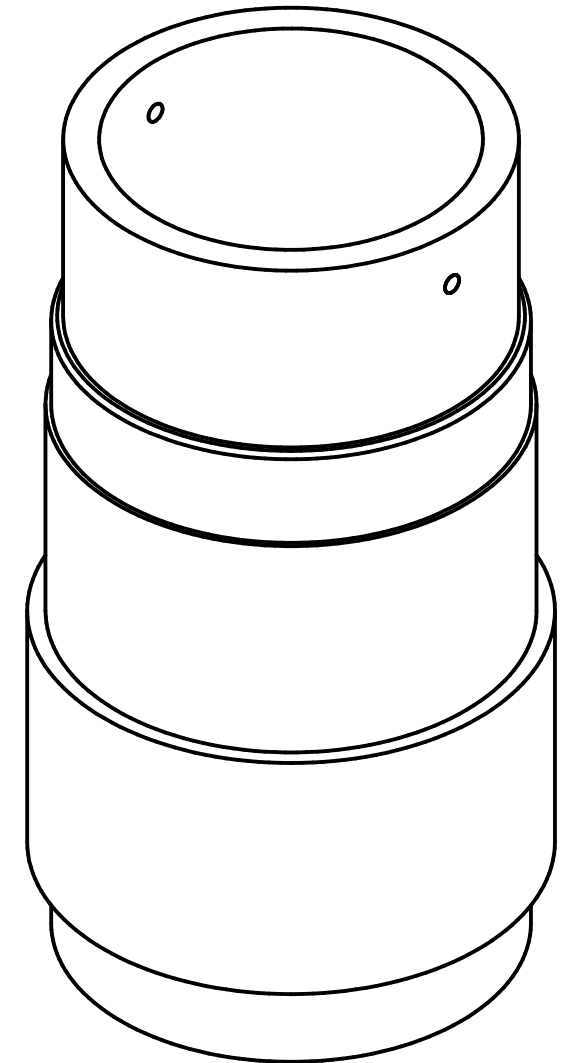
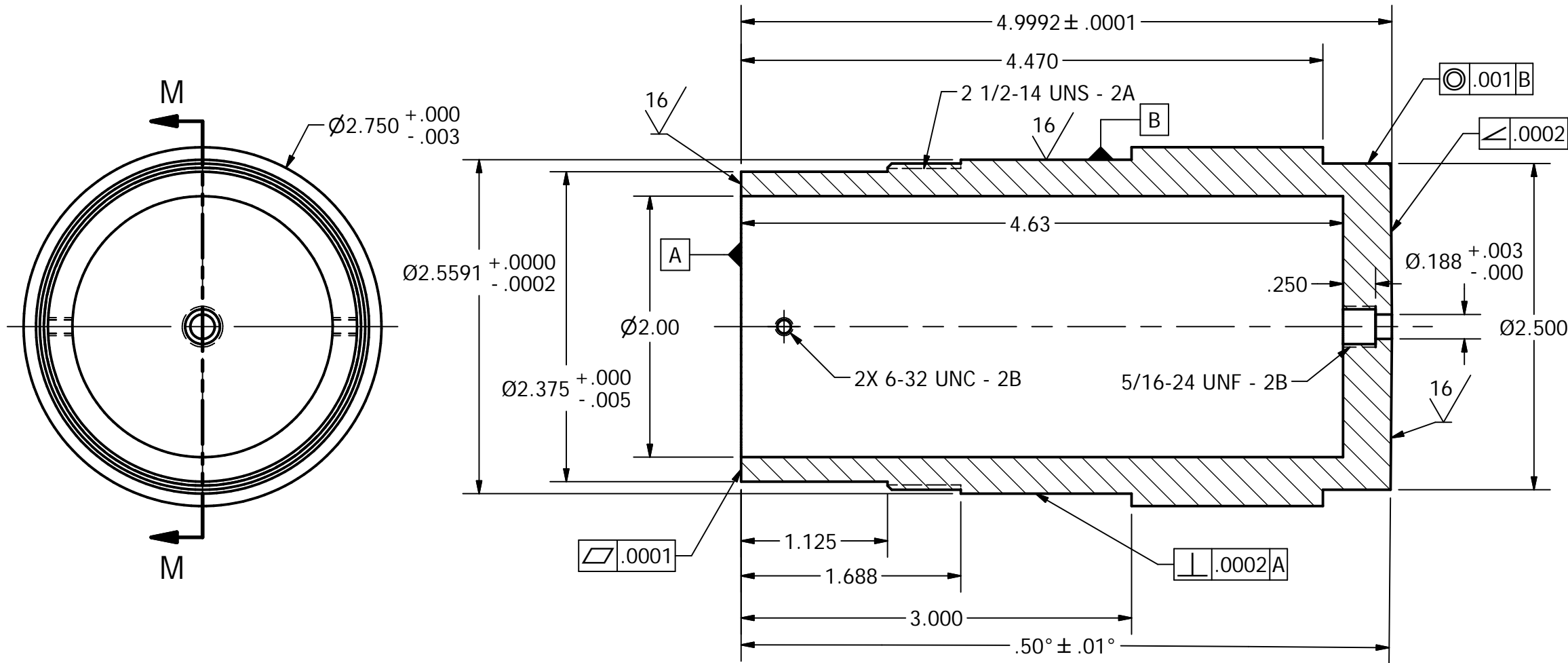
Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-002	COVERSLIP	GLASS

DRAWN JASON MOORE	4/26/2008	UNIVERSITY OF CALIFORNIA, DAVIS		
CHECKED		TITLE COVERSLIP		
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED: X.X = ± 0.1 X/X = $\pm 1/32$ X.XX = ± 0.03 X° = $\pm 1^\circ$ X.XXX = ± 0.005 X.X° = $\pm .5^\circ$ X.XXXX = ± 0.0005 X.XX° = $\pm .05^\circ$		SIZE B	DWG NO CS-002	REV 1
SCALE 1:1		SHEET 4 OF 36		

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Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-003	CONE	316 STAINLESS STEEL



SECTION M-M
SCALE 1 : 1

DRAWN JASON MOORE		4/26/2008		UNIVERSITY OF CALIFORNIA, DAVIS	
CHECKED				TITLE	
				CONE	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED:				SIZE B	DWG NO CS-003
X.X = ±0.1	X/XX = ±1/32			SCALE 1:1	REV 1
X.XX = ±0.03	X° = ±1°			SHEET 5 OF 36	
X.XXX = ±0.005	X.X° = ±.5°				
X.XXXX = ±0.0005	X.XX° = ±.05°				

4

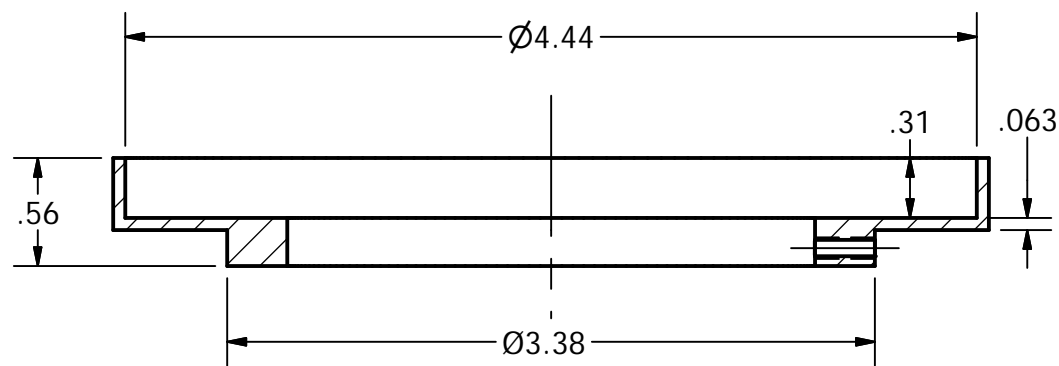
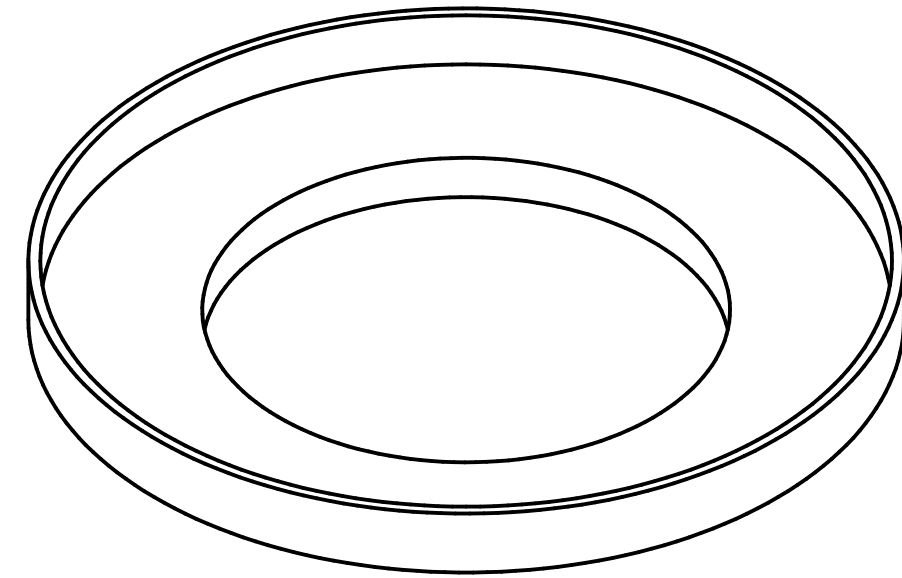
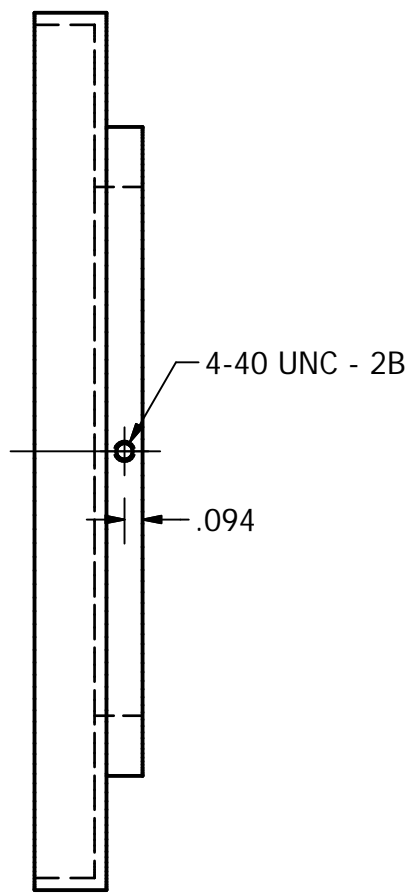
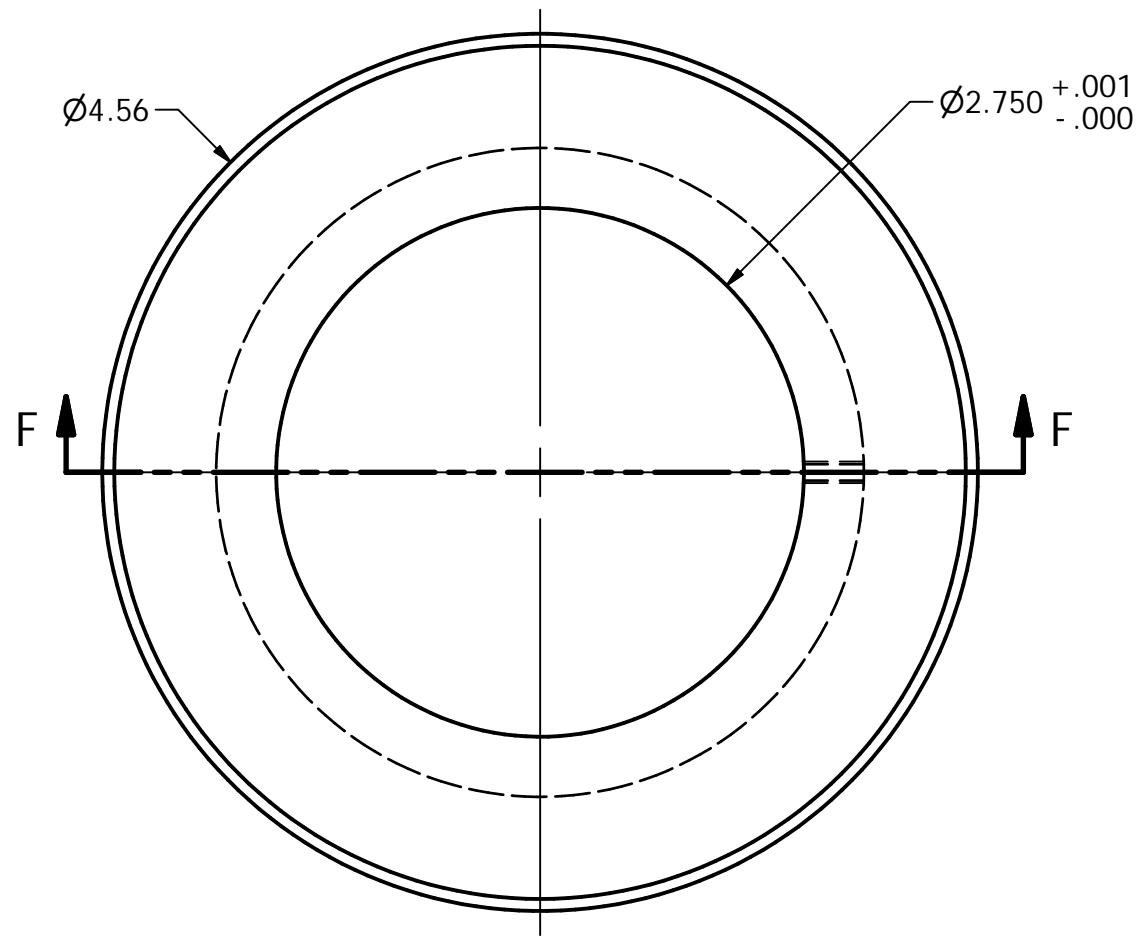
3

2

1

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	CHANGED OVERALL DIMENSIONS AND ADDED SET SCREW HOLE	11/12/2008	

Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-004	OIL CATCH	6061-T6 ALUMINUM



SECTION F-F
SCALE 1 : 1

DRAWN	4/26/2008
JASON MOORE	
CHECKED	

UNIVERSITY OF CALIFORNIA, DAVIS	
TITLE	

OIL CATCH

DIMENSIONS ARE IN INCHES AND DEGREES
TOLERANCES UNLESS OTHERWISE SPECIFIED:

X.X	= ±0.1	X/X	= ±1/32
X.XX	= ±0.03	X°	= ±1°
X.XXX	= ±0.005	X.X°	= ±.5°
X.XXXX	= ±0.0005	X.XX°	= ±.05°

SIZE	DWG NO	REV
B	CS-004	1

SCALE	1:1	SHEET 6 OF 36
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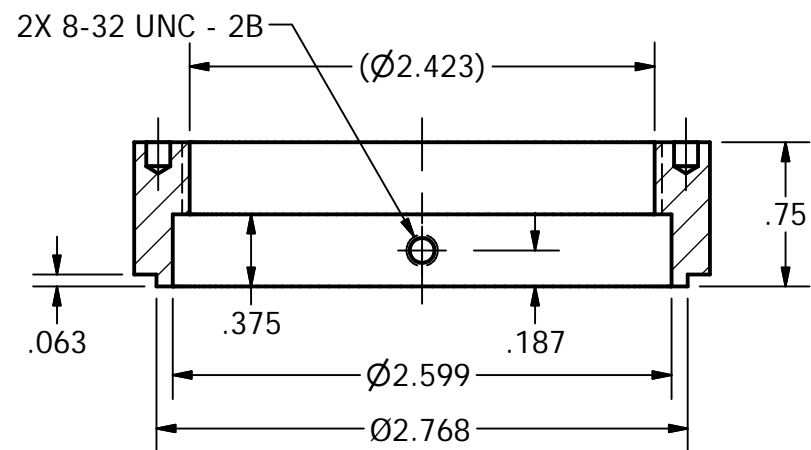
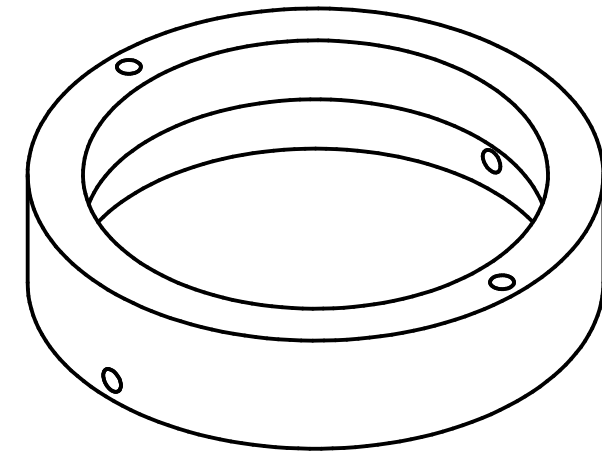
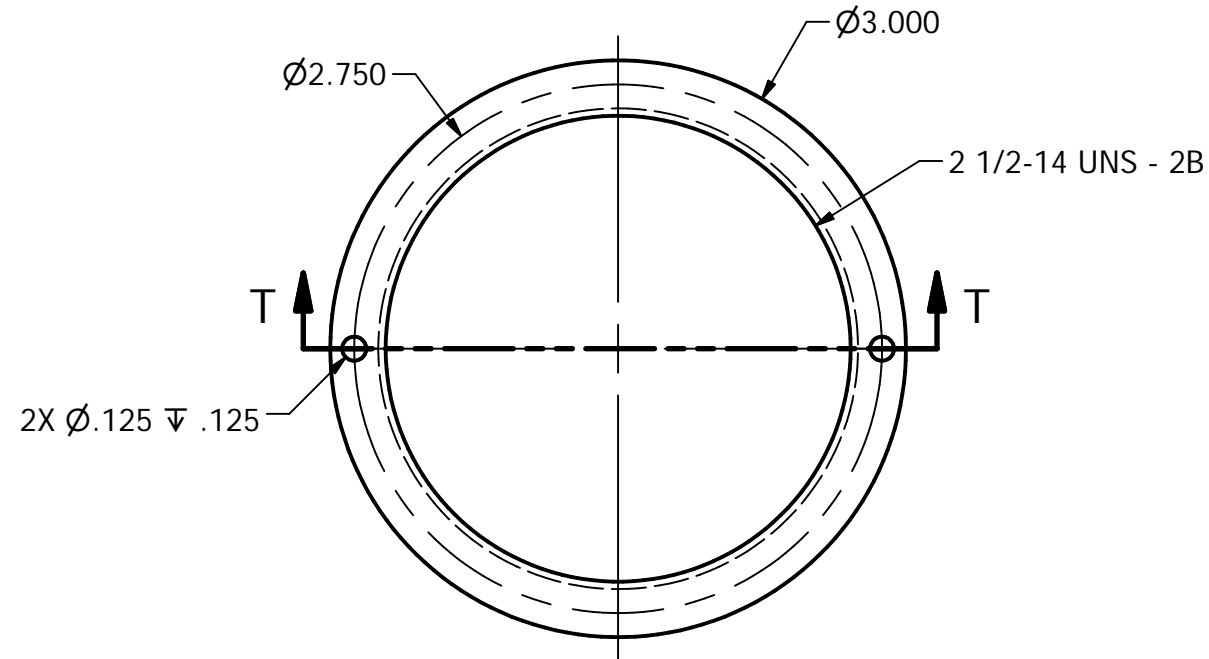
4

3

2

1

Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-005	INNER RACE LOCK RING	316 STAINLESS STEEL



SECTION T-T
SCALE 1 : 1

DRAWN JASON MOORE		4/26/2008		UNIVERSITY OF CALIFORNIA, DAVIS	
CHECKED				TITLE	
				INNER RACE LOCK RING	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED:					
X.X	= ±0.1	X/X	= ±1/32	SIZE	DWG NO
X.XX	= ±0.03	X°	= ±1°	B	CS-005
X.XXX	= ±0.005	X.X°	= ±.5°	SCALE	REV
X.XXXX	= ±0.0005	X.XX°	= ±.05°	1:1	1
				SHEET 7 OF 36	

4

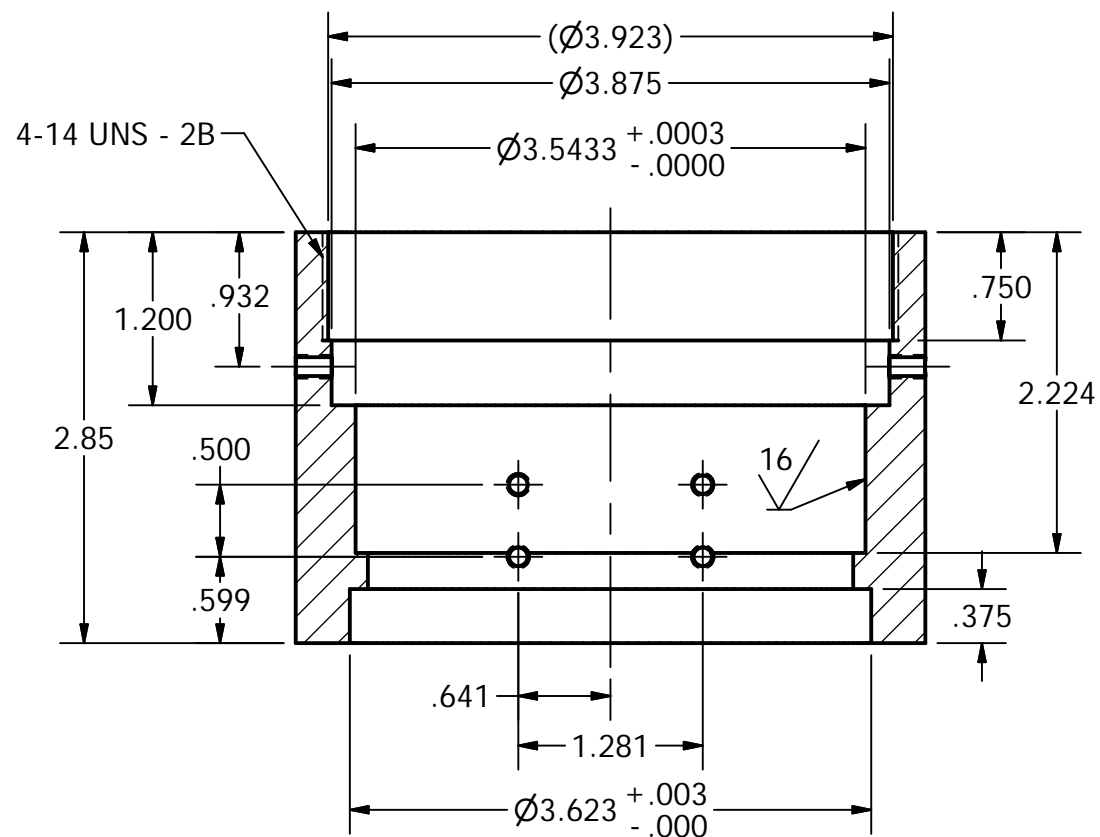
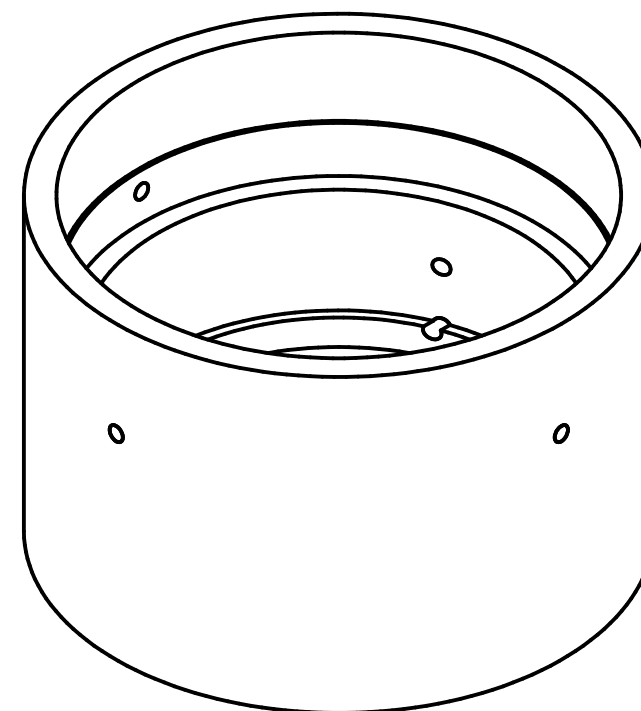
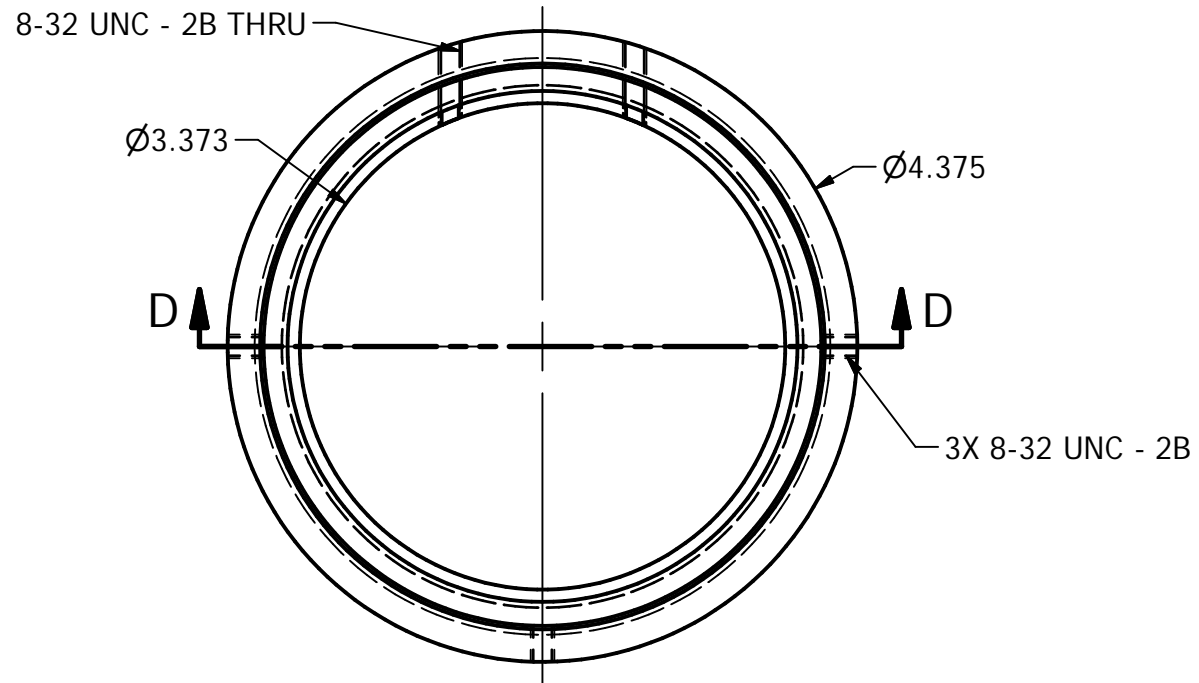
3

2

1

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	CHANGED MOUNTING HOLES TO THROUGH HOLES	10/6/2008	

Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-006	BEARING HOUSING	316 STAINLESS STEEL



SECTION D-D
SCALE 3:4

DRAWN	4/26/2008
JASON MOORE	
CHECKED	

UNIVERSITY OF CALIFORNIA, DAVIS	
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DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED:	
X.X = ±0.1	X/X = ±1/32
X.XX = ±0.03	X° = ±1°
X.XXX = ±0.005	X.X° = ±.5°
X.XXXX = ±0.0005	X.XX° = ±.05°

TITLE	
BEARING HOUSING	

SIZE	DWG NO	REV
B	CS-006	1
SCALE 3:4	SHEET 8 OF 36	

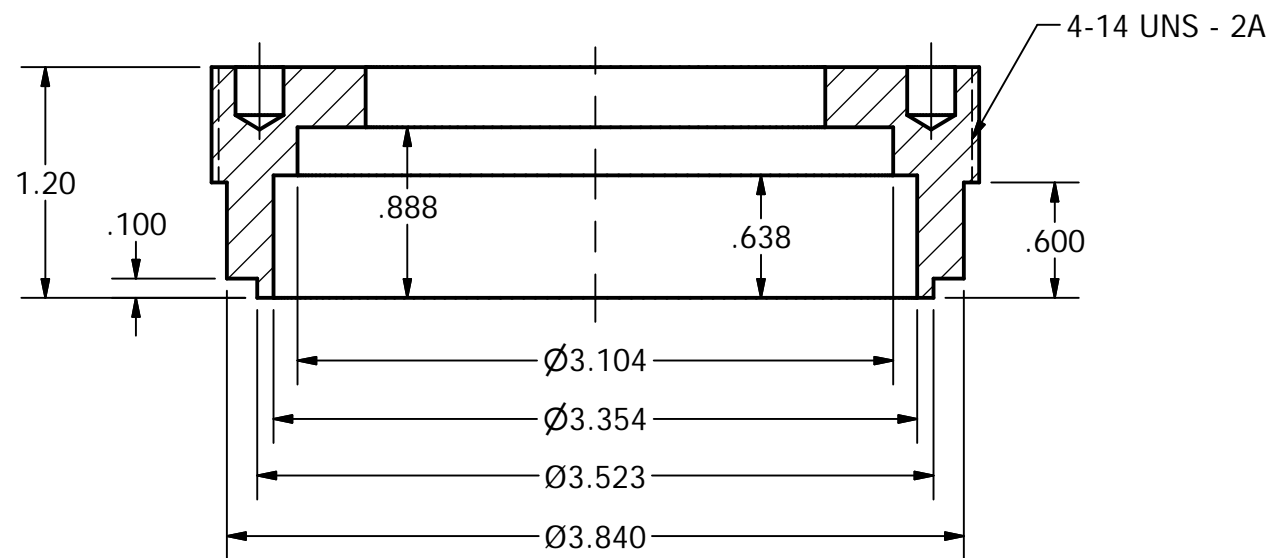
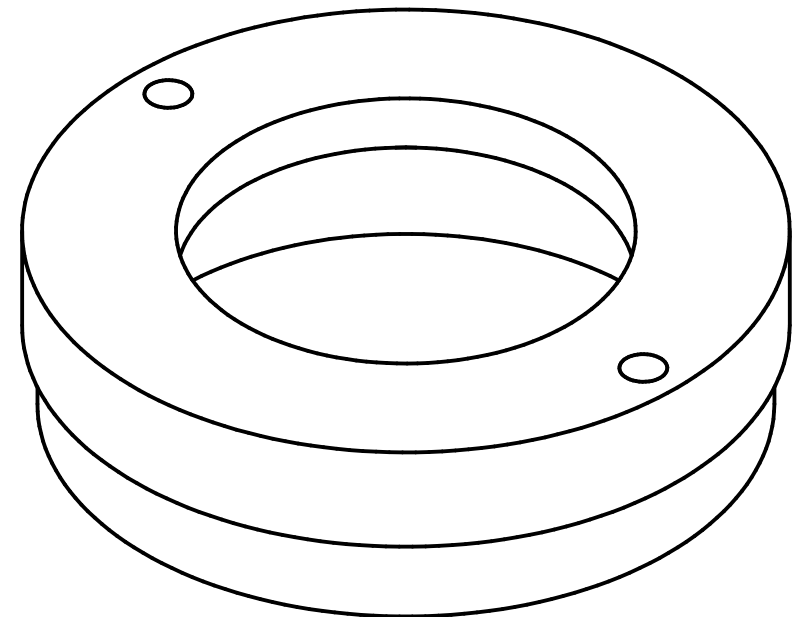
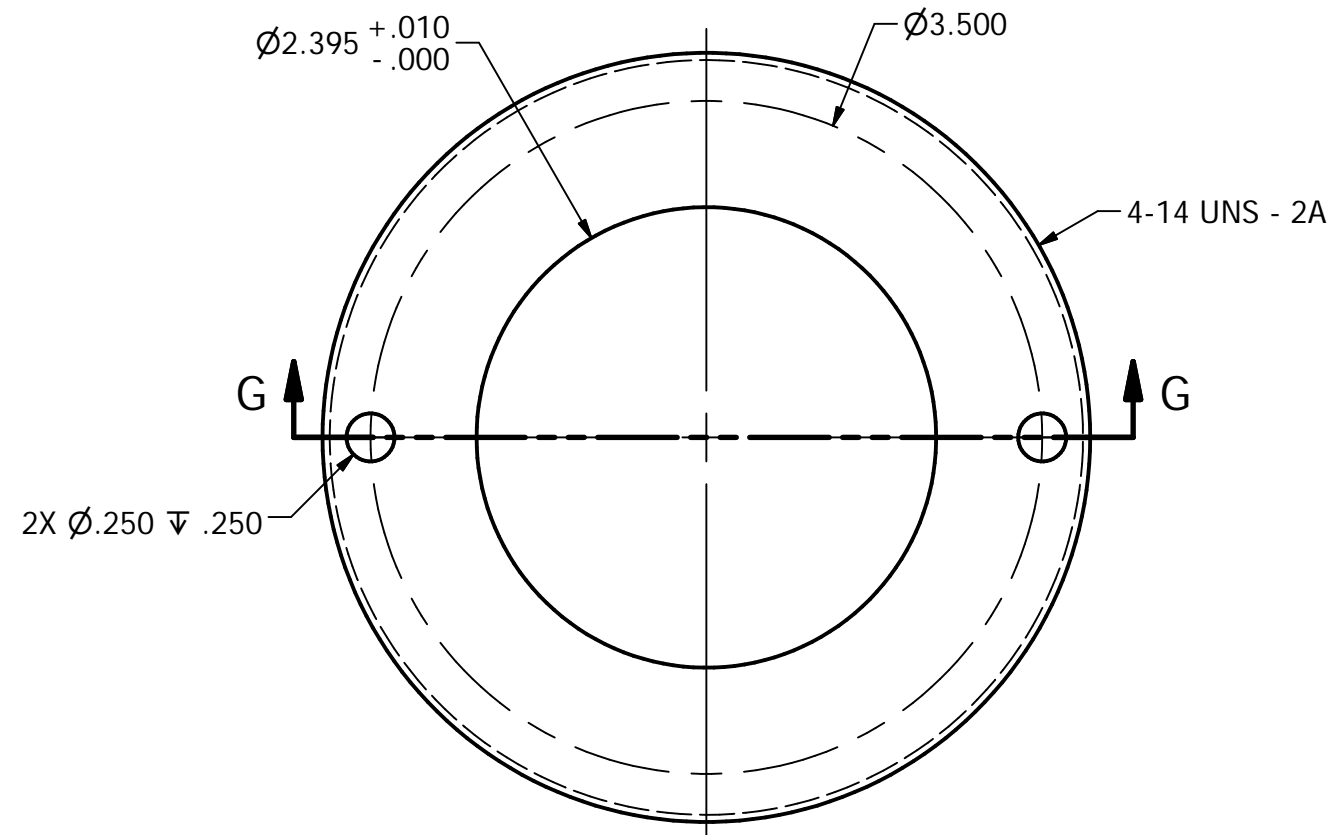
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3

2

1

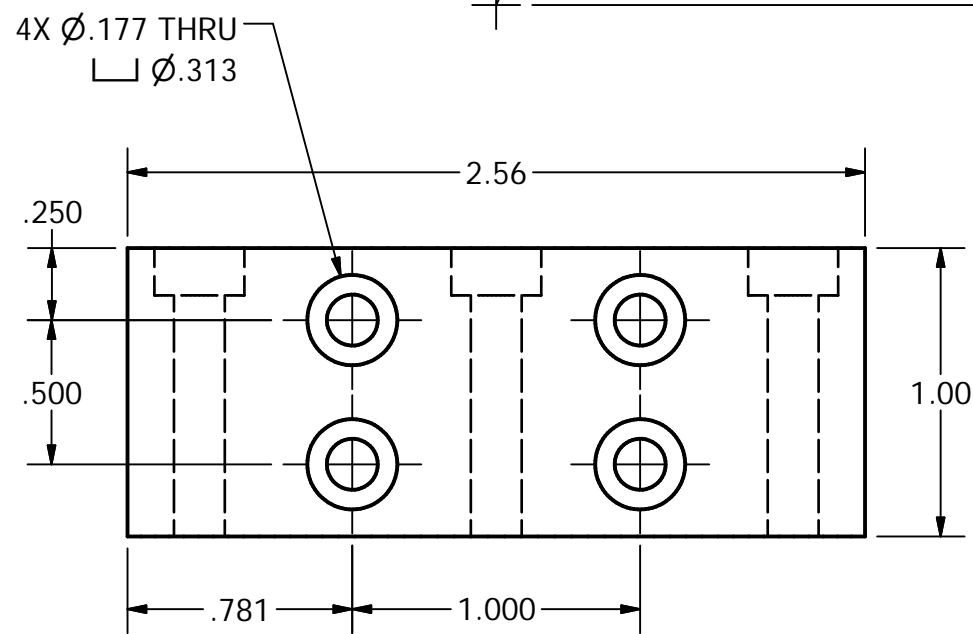
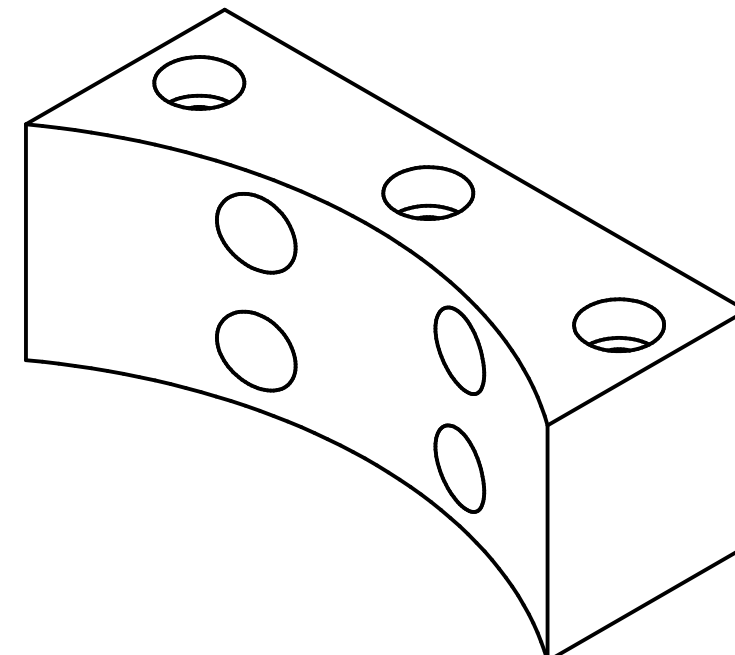
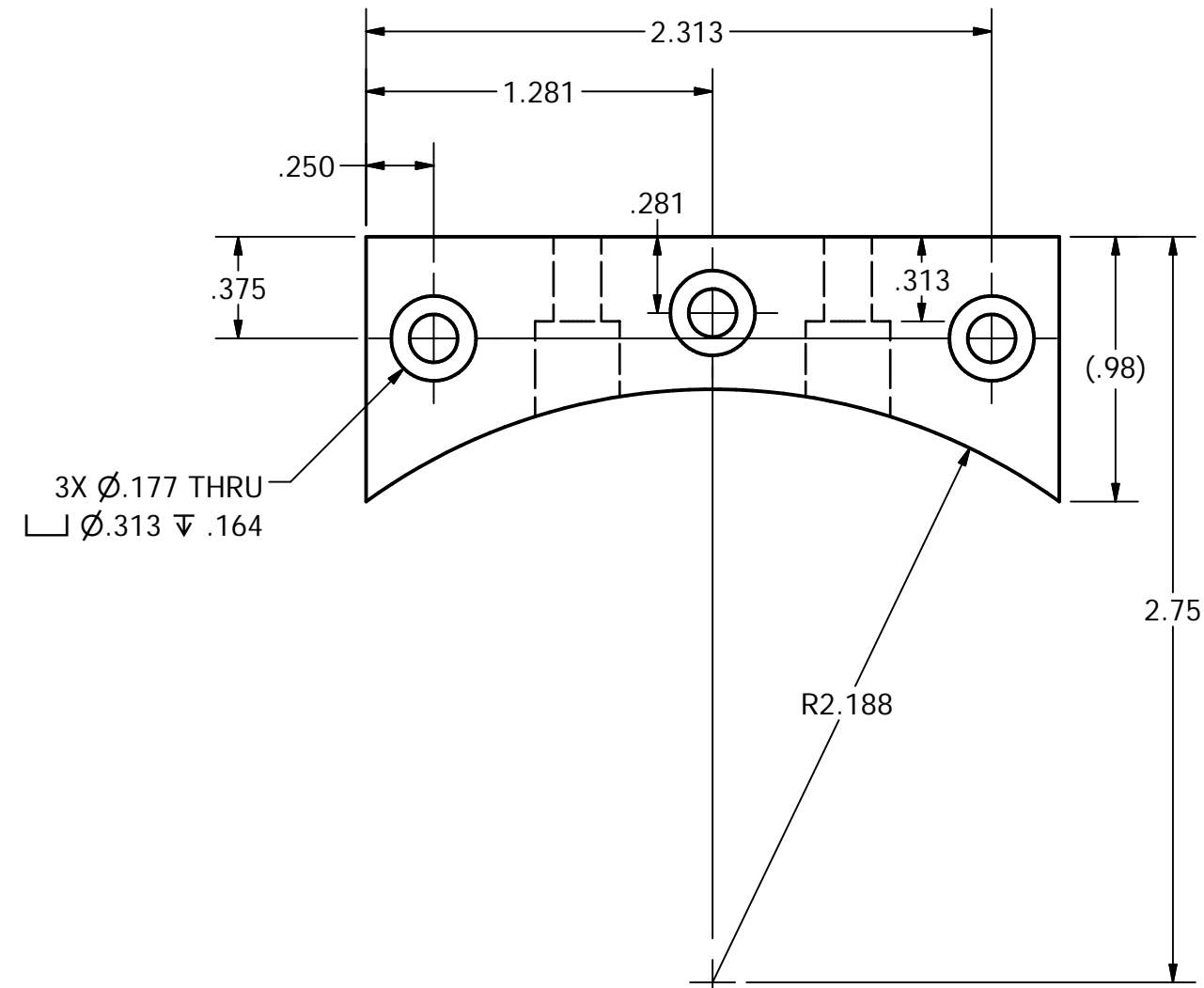
Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-007	OUTER RACE LOCK RING	316 STAINLESS STEEL



SECTION G-G
SCALE 1 : 1

DRAWN JASON MOORE		4/26/2008		UNIVERSITY OF CALIFORNIA, DAVIS	
CHECKED				TITLE	
				OUTER RACE LOCK RING	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED:				SIZE	DWG NO
X.X = ± 0.1	X/XX = $\pm 1/32$			B	CS-007
X.XX = ± 0.03	X° = $\pm 1^\circ$			SCALE	REV
X.XXX = ± 0.005	X.X° = $\pm .5^\circ$			1:1	1
X.XXXX = ± 0.0005	X.XX° = $\pm .05^\circ$			SHEET 9 OF 36	

Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-008	STAGE MOUNT	316 STAINLESS STEEL

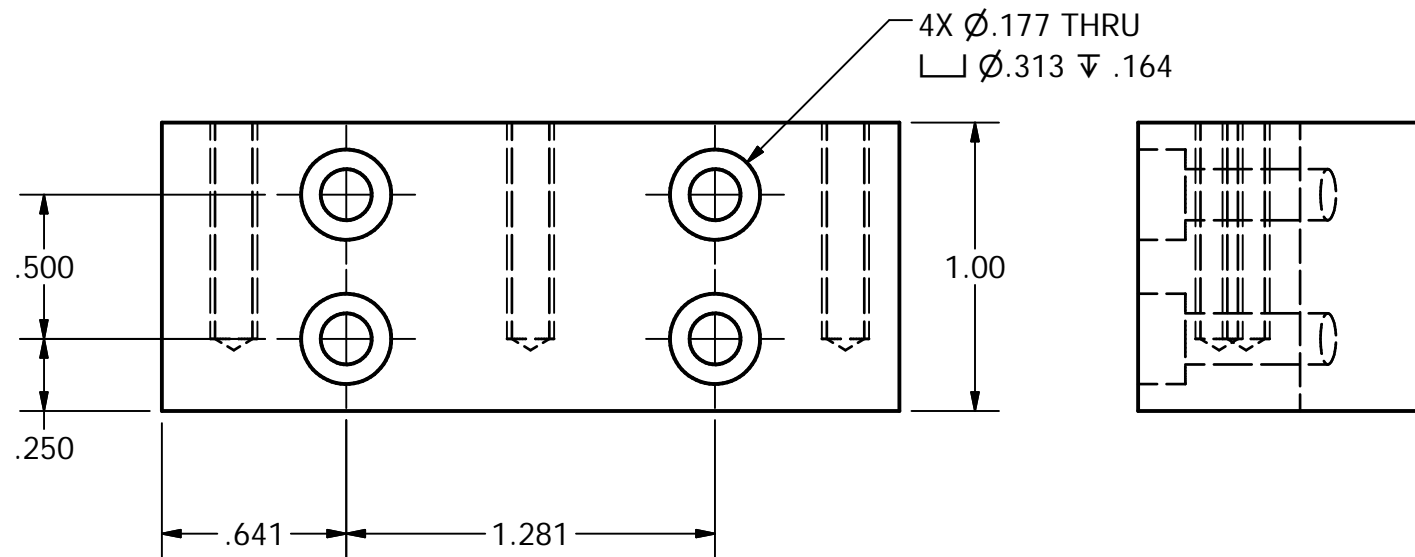
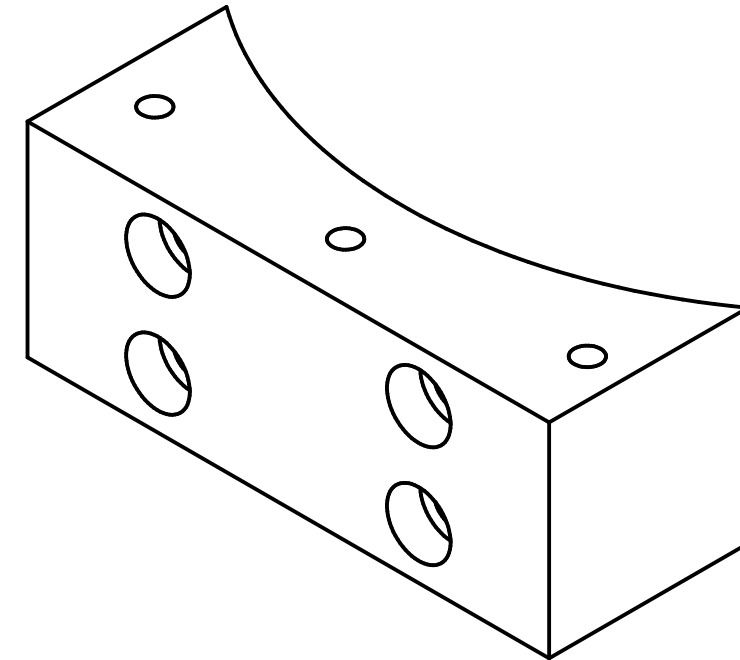
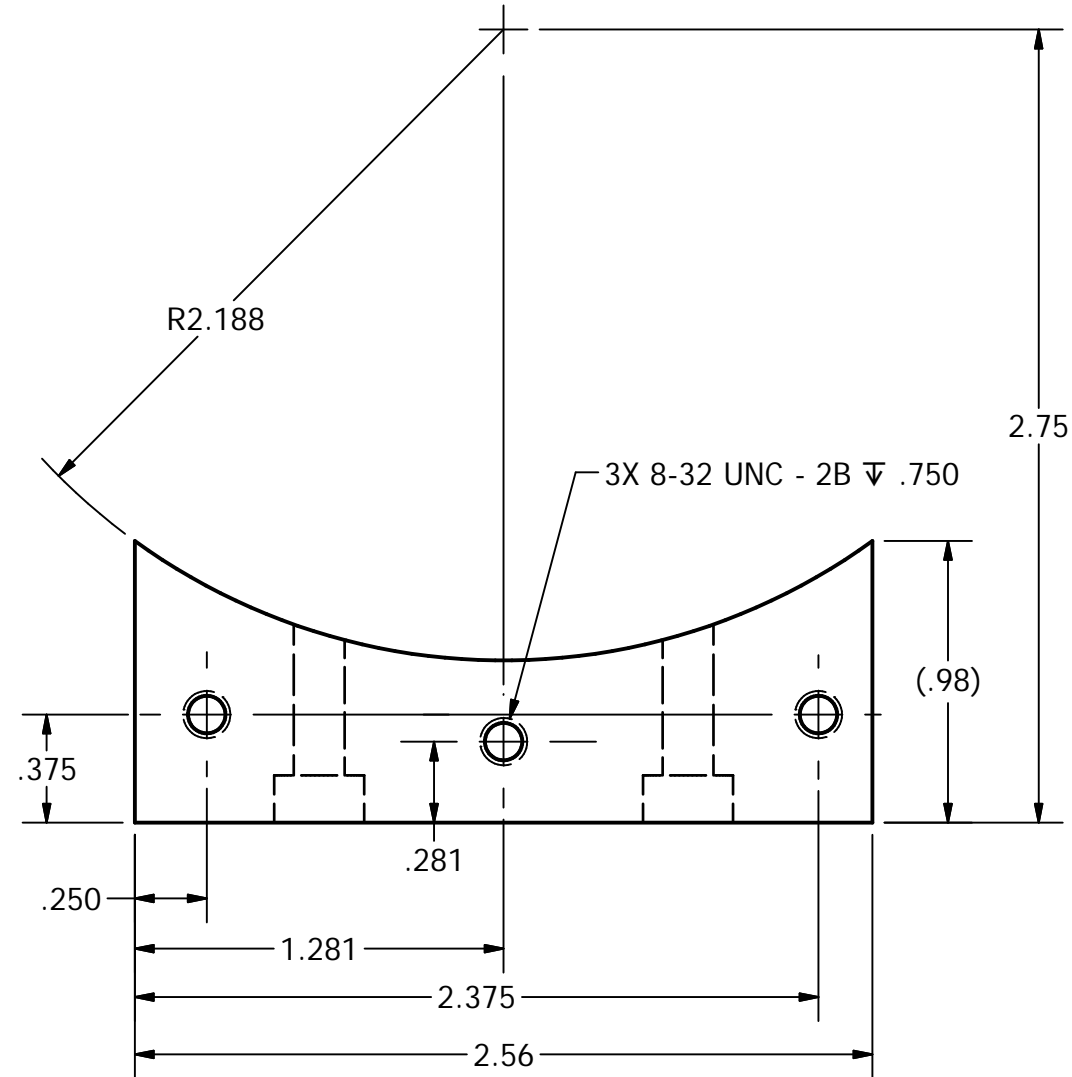


DRAWN JASON MOORE		4/26/2008		UNIVERSITY OF CALIFORNIA, DAVIS	
CHECKED				TITLE	
				STAGE MOUNT	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED:					
X.X	= ±0.1	X/X	= ±1/32	SIZE	DWG NO
X.XX	= ±0.03	X°	= ±1°	B	CS-008
X.XXX	= ±0.005	X.X°	= ±.5°	SCALE	REV
X.XXXX	= ±0.0005	X.XX°	= ±.05°	3:2	1
				SHEET 10 OF 36	

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Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-009	HOUSING MOUNT	316 STAINLESS STEEL



DRAWN	4/26/2008
JASON MOORE	
CHECKED	

UNIVERSITY OF CALIFORNIA, DAVIS

TITLE

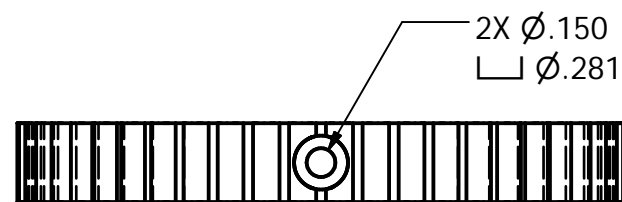
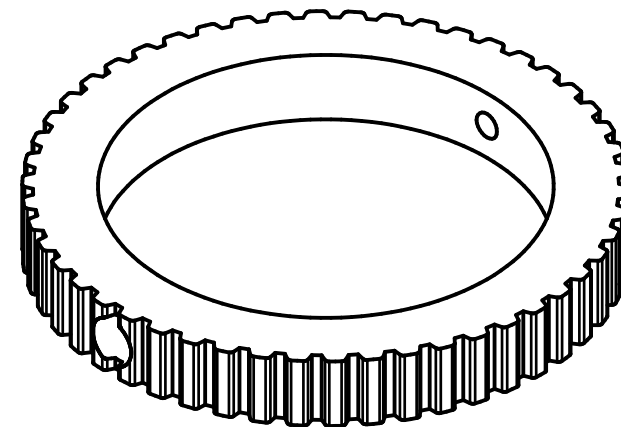
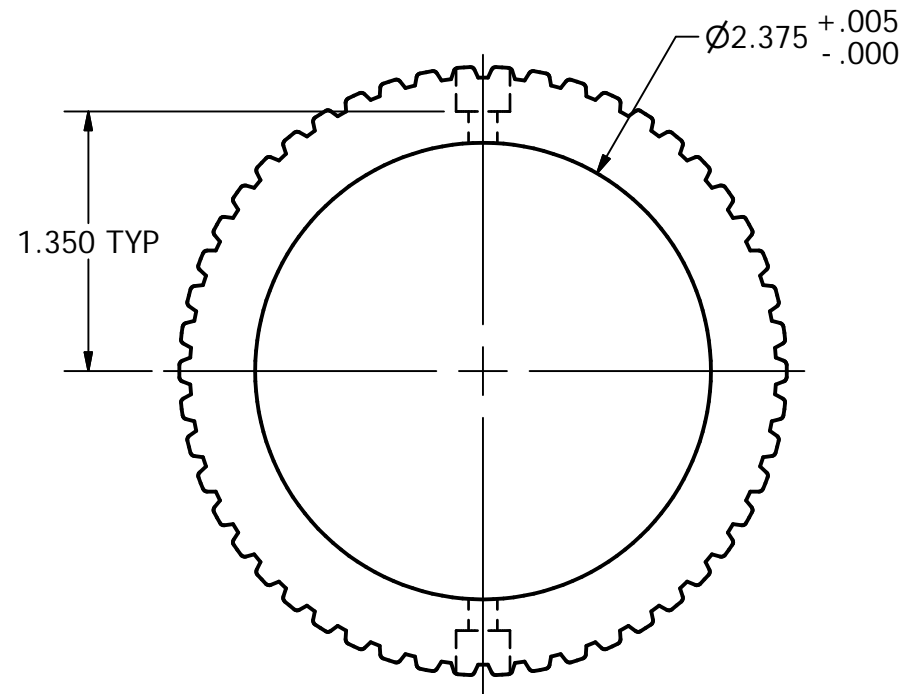
HOUSING MOUNT

DIMENSIONS ARE IN INCHES AND DEGREES
TOLERANCES UNLESS OTHERWISE SPECIFIED:

X.X	= ±0.1	X/X	= ±1/32
X.XX	= ±0.03	X°	= ±1°
X.XXX	= ±0.005	X.X°	= ±.5°
X.XXXX	= ±0.0005	X.XX°	= ±.05°

SIZE	DWG NO	REV
B	CS-009	1
SCALE	SHEET 11 OF 36	
3:2		

Parts List				
QTY	PART NUMBER	DESCRIPTION	MATERIAL	STOCK NUMBER
1	CS-010	CONE PULLEY	ALUMINUM ALLOY	A 6A 2-50XL08 59546

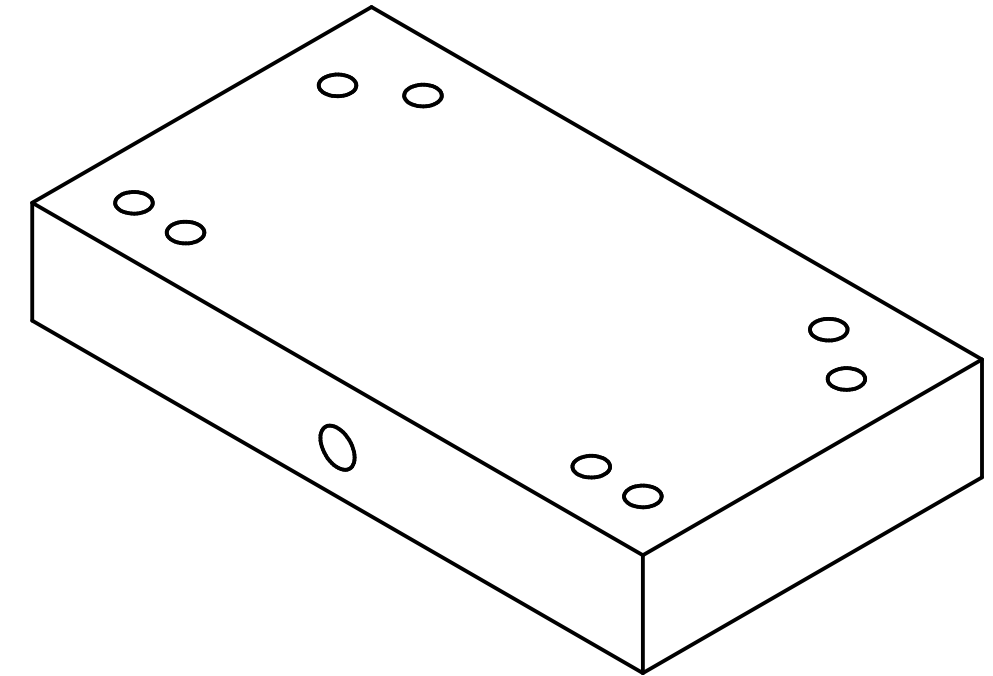
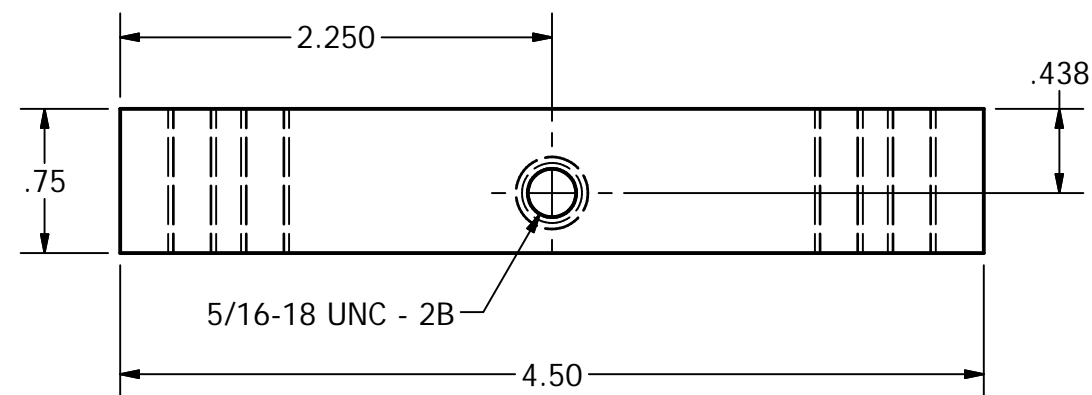
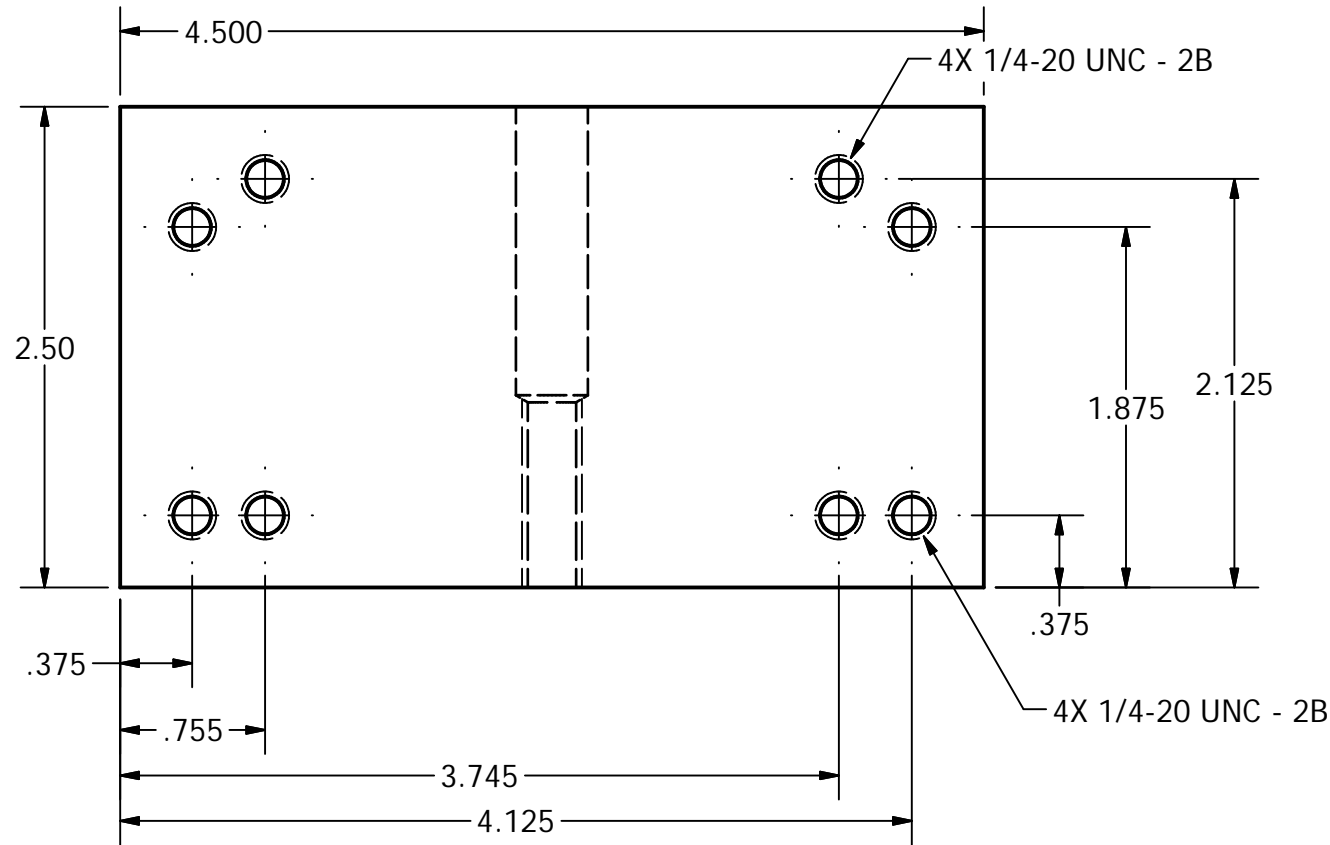
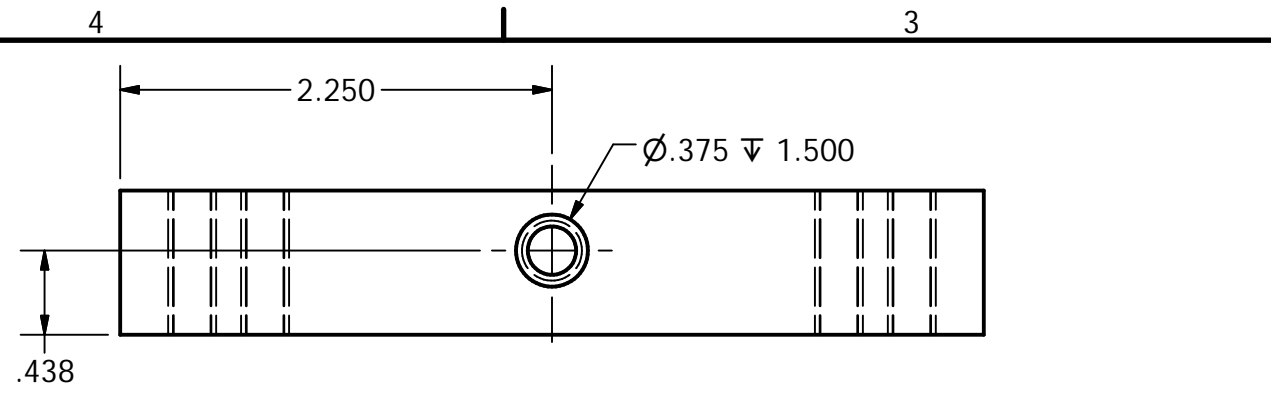


DRAWN JASON MOORE		4/26/2008		UNIVERSITY OF CALIFORNIA, DAVIS		
CHECKED						
				TITLE		
				CONE PULLEY		
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED: X.X = ±0.1 X/X = ±1/32 X.XX = ±0.03 X° = ±1° X.XXX = ±0.005 X.X° = ±.5° X.XXXX = ±0.0005 X.XX° = ±.05°				SIZE B	DWG NO CS-010	REV 1
				SCALE 1:1	SHEET 12 OF 36	

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Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-011	COARSE ADJUSTMENT SLIDER	316 STAINLESS STEEL



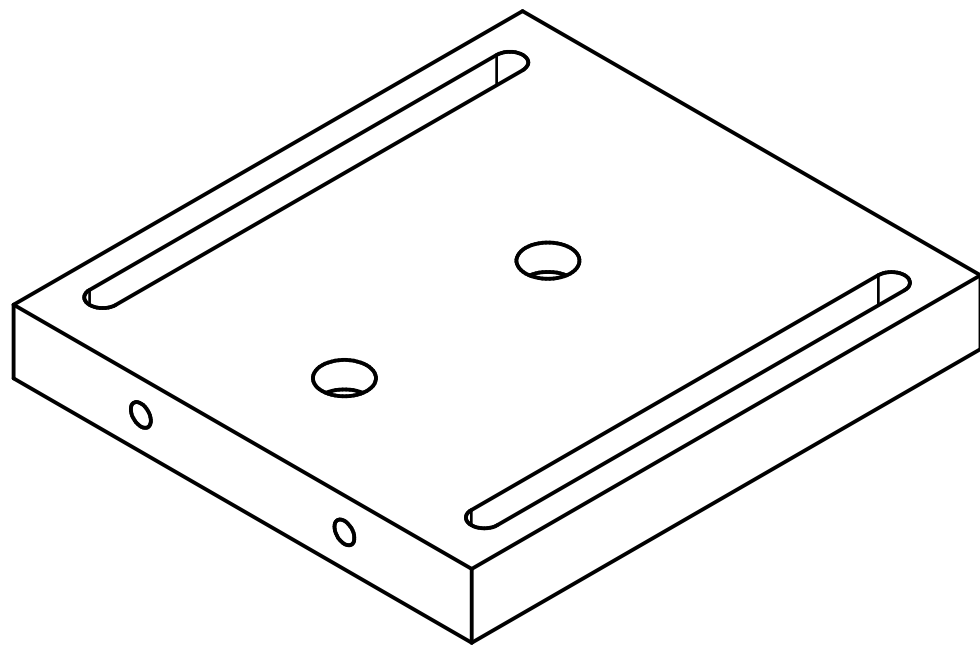
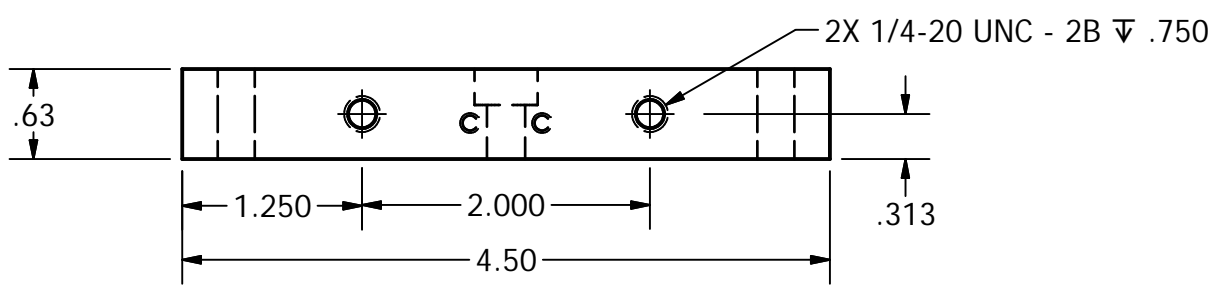
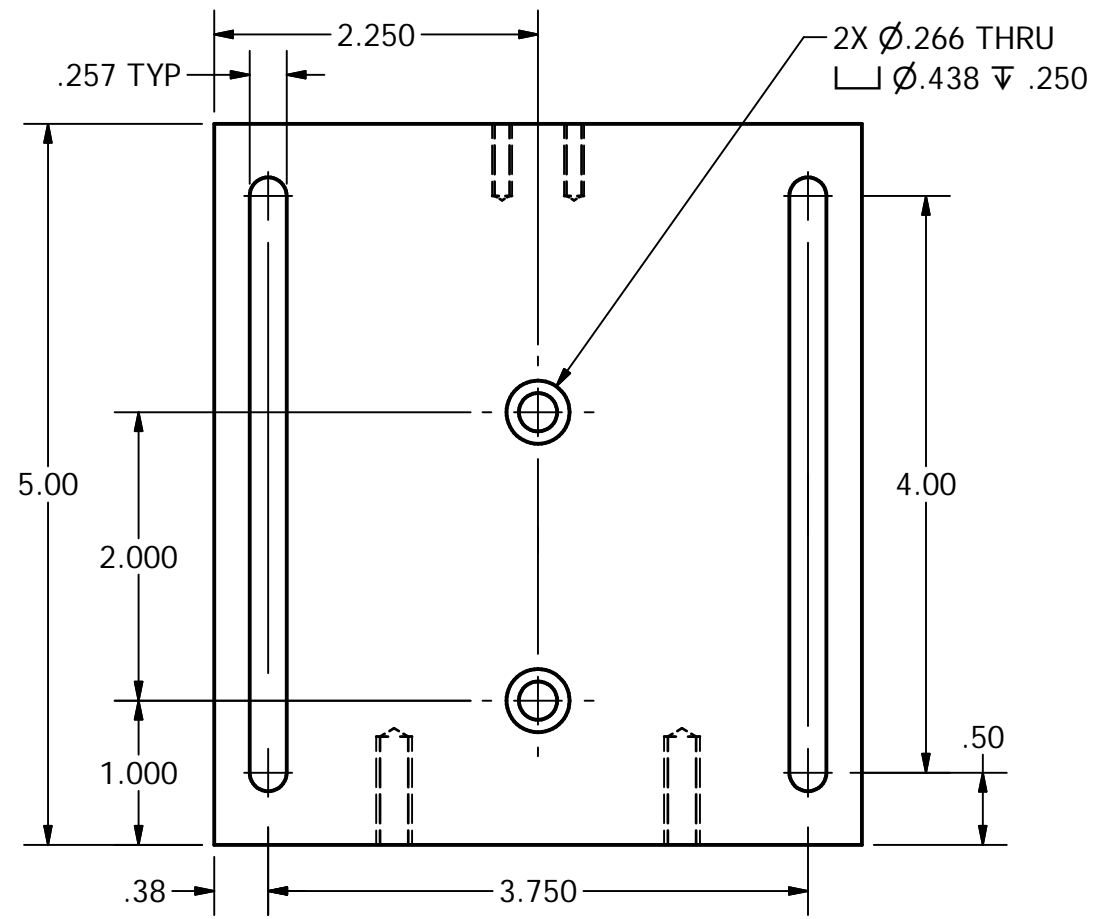
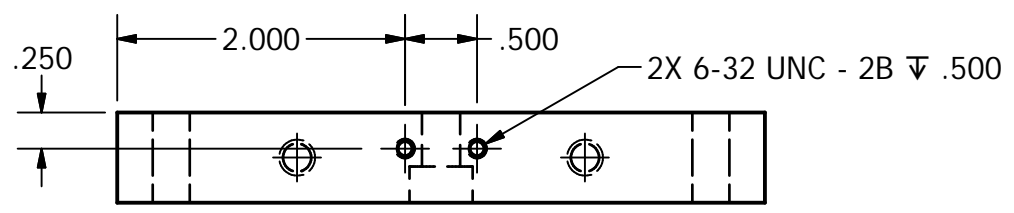
REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	DOVETAIL REMOVED	10/6/2008	

DRAWN	JASON MOORE	4/26/2008
CHECKED		
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED: X.X = ±0.1 X/X = ±1/32 X.XX = ±0.03 X° = ±1° X.XXX = ±0.005 X.X° = ±.5° X.XXXX = ±0.0005 X.XX° = ±.05°		

UNIVERSITY OF CALIFORNIA, DAVIS			
TITLE			
COARSE ADJUSTMENT SLIDER			
SIZE	B	DWG NO	CS-011
SCALE	1:1	REV	1
SHEET 13 OF 36			

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	DOVETAIL AND COUNTERBORES REMOVED, TIGHTENED THE SLOTS	10/6/2008	

Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-012	COARSE ADJUSTMENT RAIL	316 STAINLESS STEEL



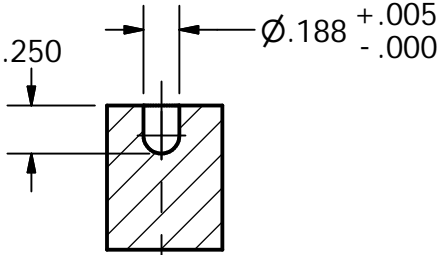
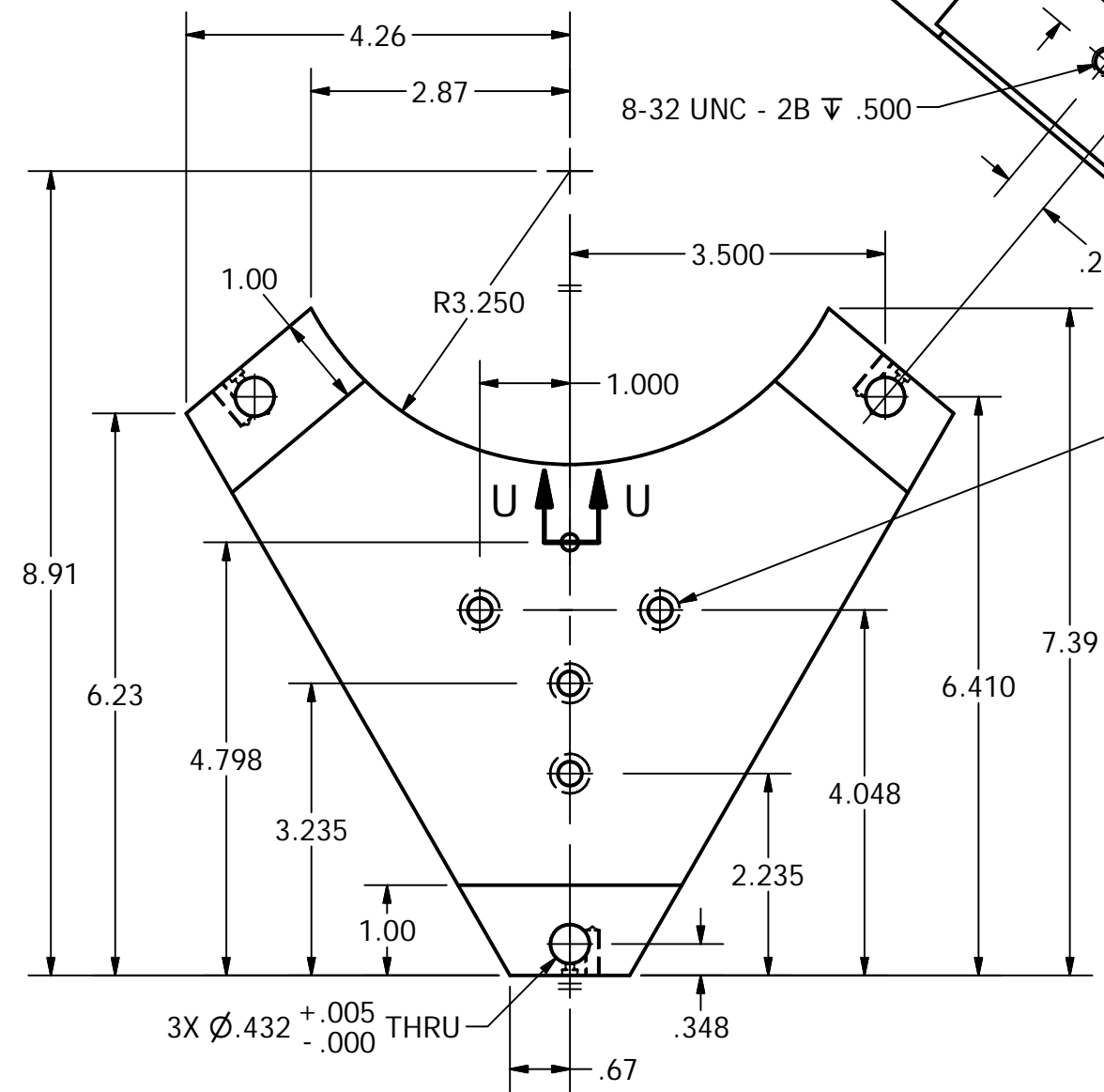
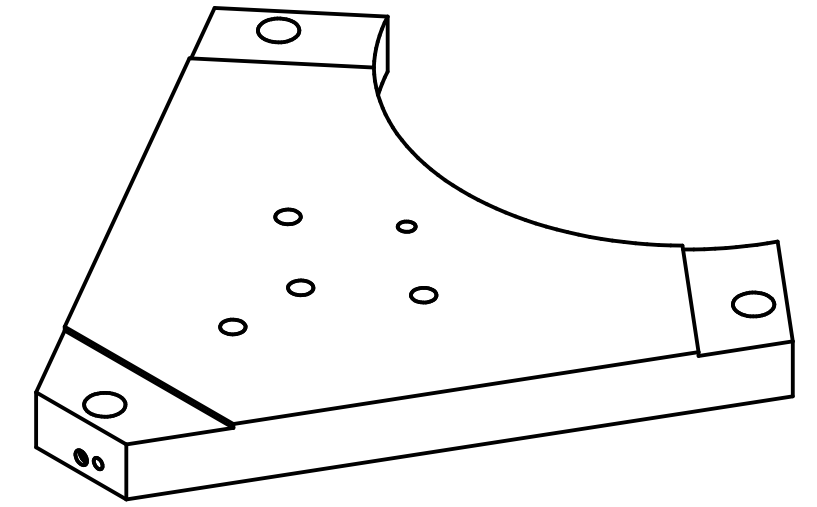
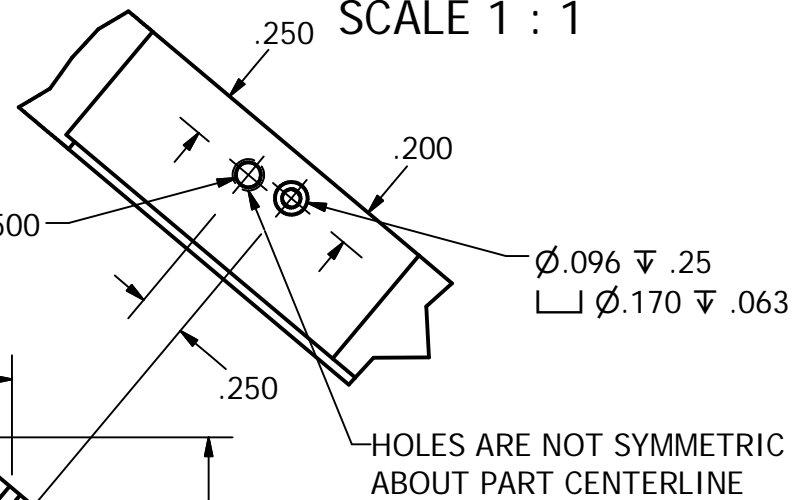
DRAWN	4/26/2008	UNIVERSITY OF CALIFORNIA, DAVIS
JASON MOORE		
CHECKED		TITLE
		COARSE ADJUSTMENT RAIL
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED:		SIZE
X.X = ±0.1	X/X = ±1/32	B
X.XX = ±0.03	X° = ±1°	DWG NO
X.XXX = ±0.005	X.X° = ±.5°	CS-012
X.XXXX = ±0.0005	X.XX° = ±.05°	REV
		1
		SCALE
		3:4
		SHEET 14 OF 36

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

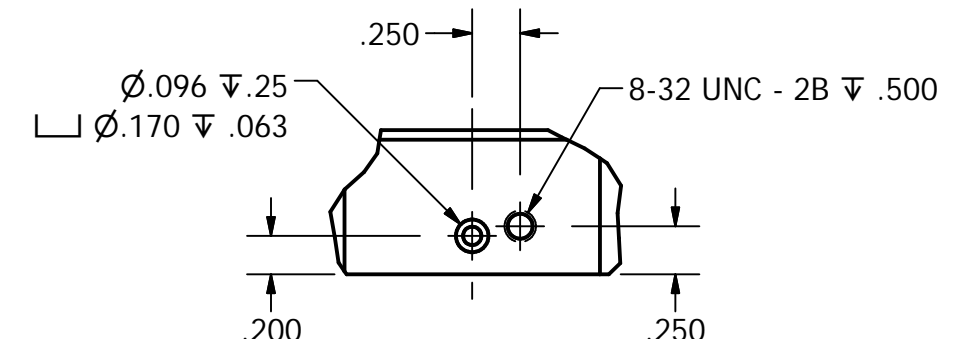
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-013	STAGE BASE	316 STAINLESS STEEL

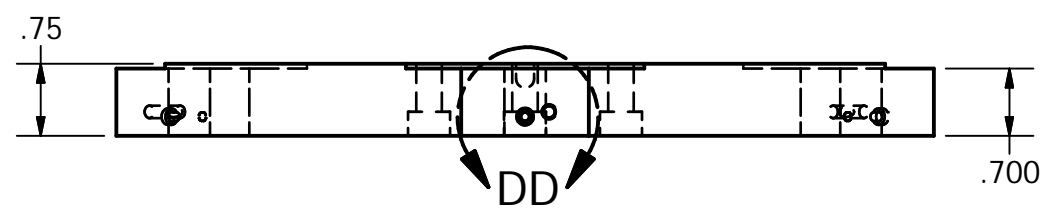
DETAIL V
SCALE 1 : 1



SECTION U-U
SCALE 1



DETAIL DD
SCALE 1 : 1



DRAWN	4/26/2008
JASON MOORE	
CHECKED	

UNIVERSITY OF CALIFORNIA, DAVIS

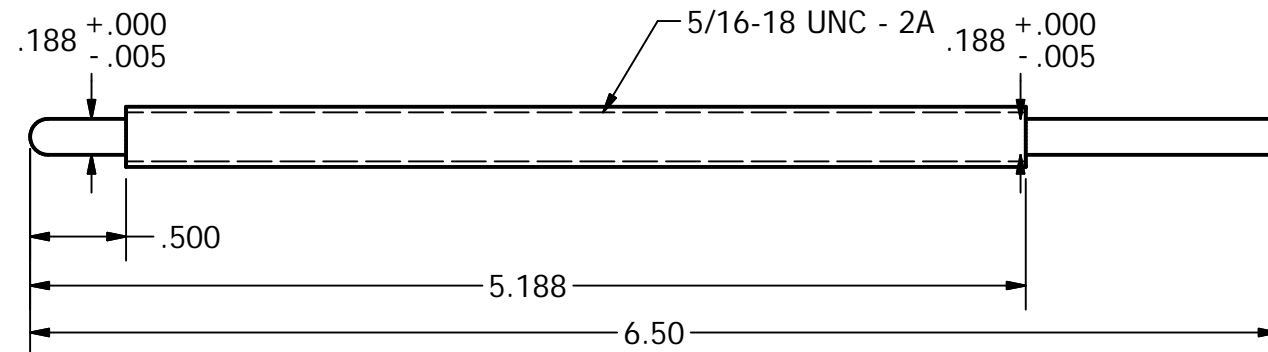
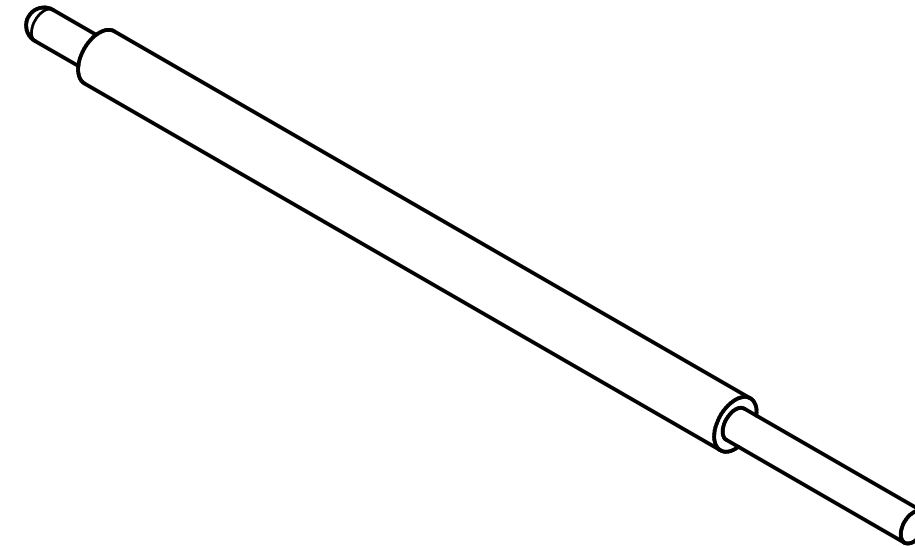
TITLE
STAGE BASE

DIMENSIONS ARE IN INCHES AND DEGREES
TOLERANCES UNLESS OTHERWISE SPECIFIED:

X.X	= ±0.1	X/X	= ±1/32
X.XX	= ±0.03	X°	= ±1°
X.XXX	= ±0.005	X.X°	= ±.5°
X.XXXX	= ±0.0005	X.XX°	= ±.05°

SIZE	DWG NO	REV
B	CS-013	1
SCALE 1:2	SHEET 15 OF 36	

Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-014	COARSE ADJUSTMENT SCREW	316 STAINLESS STEEL



DRAWN JASON MOORE	4/26/2008	UNIVERSITY OF CALIFORNIA, DAVIS	
CHECKED		TITLE	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED: X.X = ±0.1 X/X = ±1/32 X.XX = ±0.03 X° = ±1° X.XXX = ±0.005 X.X° = ±.5° X.XXXX = ±0.0005 X.XX° = ±.05°		COARSE ADJUSTMENT SCREW	
		SIZE B	DWG NO CS-014
SCALE 1:1		SHEET 16 OF 36	

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

4

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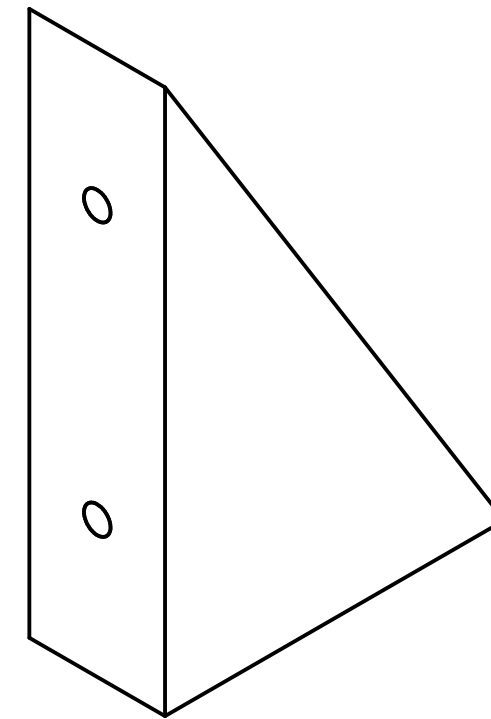
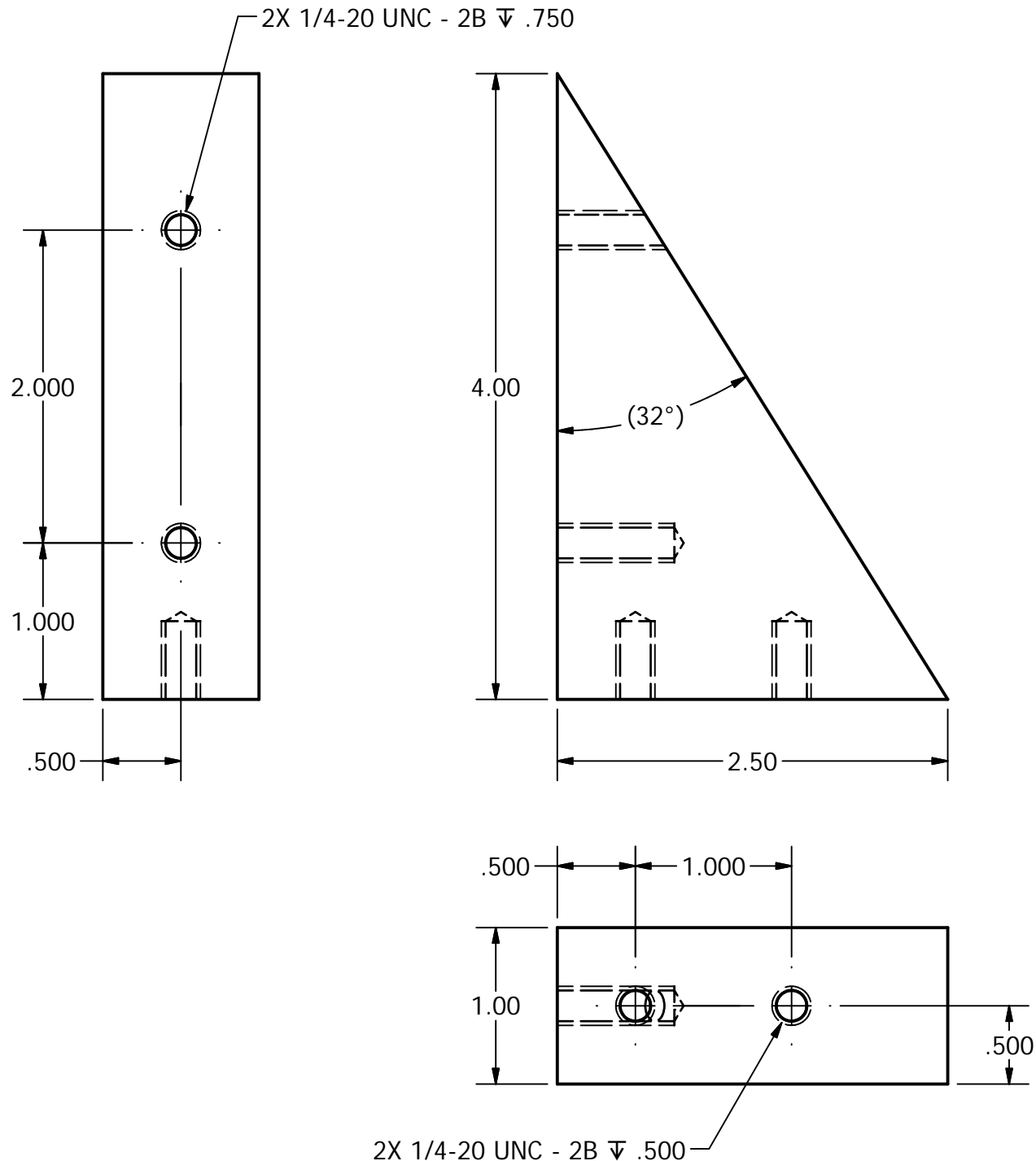
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REVISION HISTORY

ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	INCREASED HOLE DEPTH	11/12/2008	

Parts List

QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-015	BRACE	316 STAINLESS STEEL



DRAWN JASON MOORE	4/26/2008	UNIVERSITY OF CALIFORNIA, DAVIS	
CHECKED		TITLE BRACE	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED: X.X = ±0.1 X/X = ±1/32 X.XX = ±0.03 X° = ±1° X.XXX = ±0.005 X.X° = ±.5° X.XXXX = ±0.0005 X.XX° = ±.05°		SIZE B	DWG NO CS-015
SCALE 1:1		REV 1	SHEET 17 OF 36

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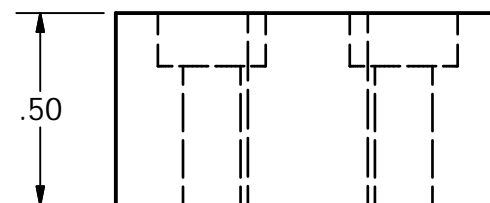
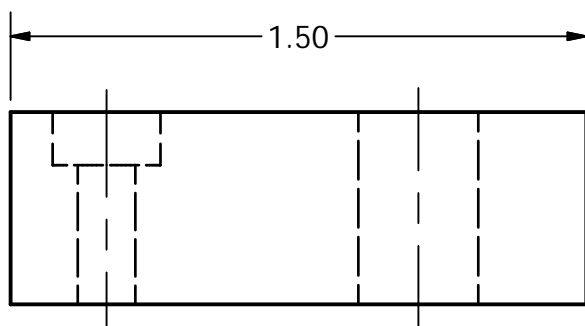
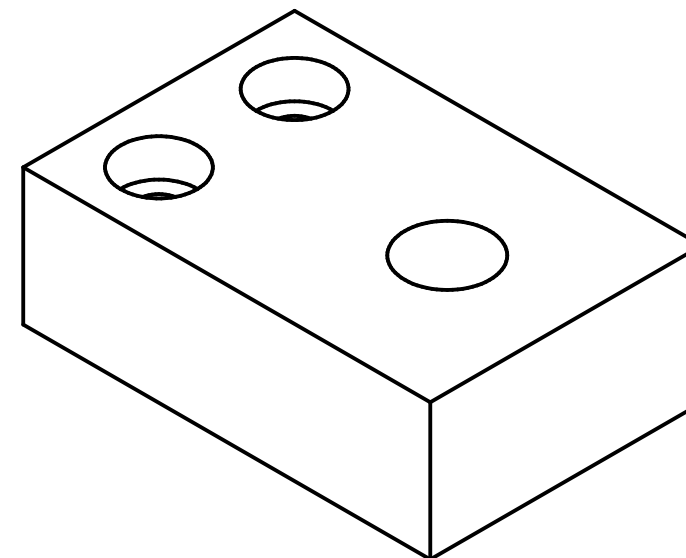
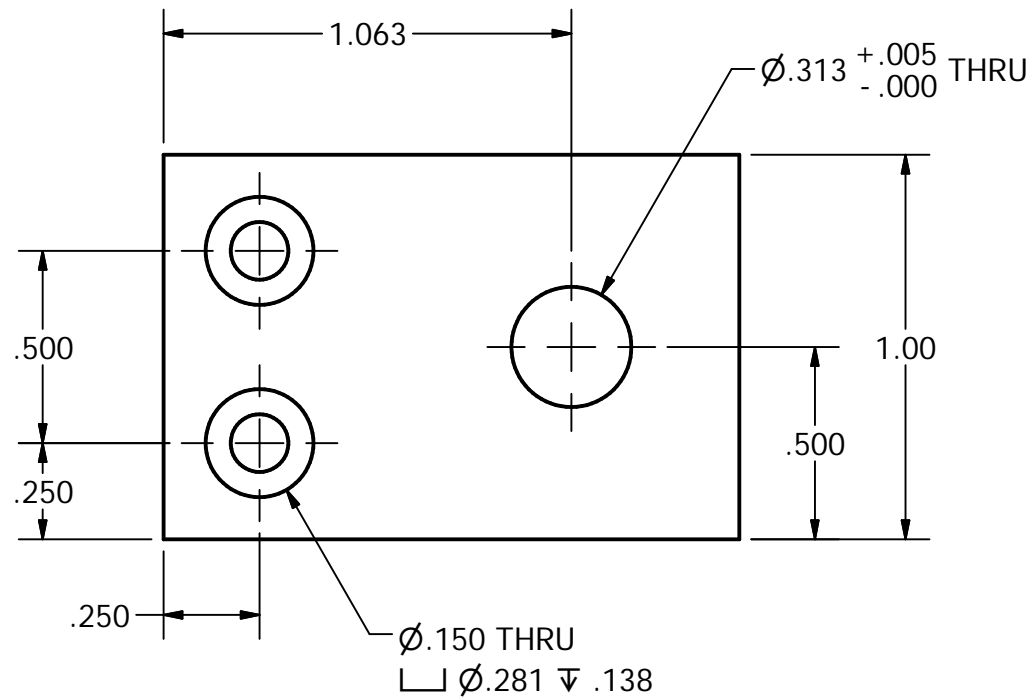
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Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-016	SCREW MOUNT	316 STAINLESS STEEL



DRAWN JASON MOORE		4/26/2008		UNIVERSITY OF CALIFORNIA, DAVIS	
CHECKED				TITLE	
				SCREW MOUNT	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED:					
X.X	= ±0.1	X/X	= ±1/32	SIZE	DWG NO
X.XX	= ±0.03	X°	= ±1°	B	CS-016
X.XXX	= ±0.005	X.X°	= ±.5°	SCALE	REV
X.XXXX	= ±0.0005	X.XX°	= ±.05°	2:1	1
				SHEET 18 OF 36	

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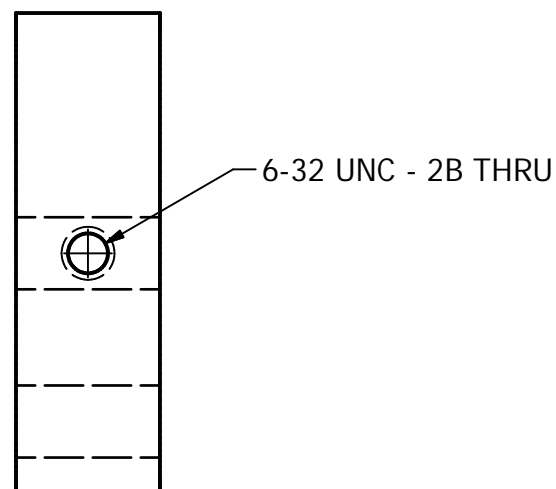
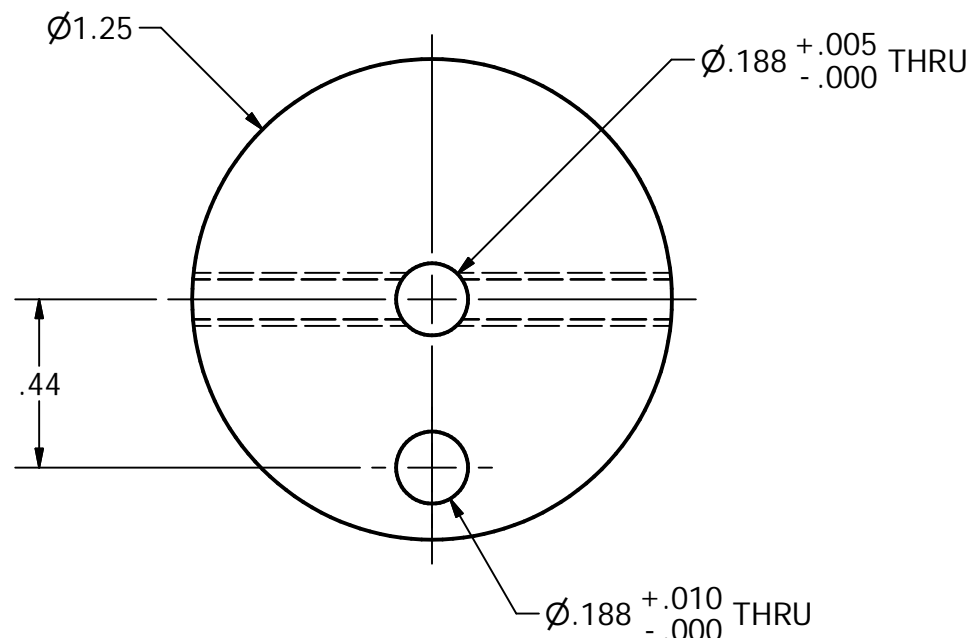
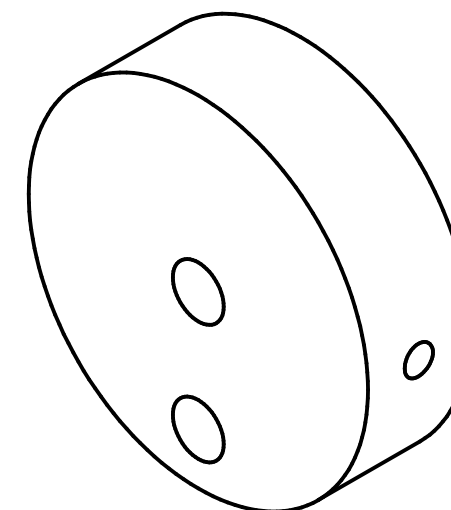
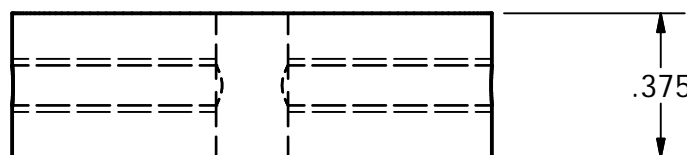
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REVISION HISTORY

ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	CHANGED PIN HOLE TO SCREW HOLE	11/12/2008	

Parts List

QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-017	HANDLE COLLAR	316 STAINLESS STEEL



DRAWN	4/26/2008
JASON MOORE	
CHECKED	

UNIVERSITY OF CALIFORNIA, DAVIS

TITLE

HANDLE COLLAR

DIMENSIONS ARE IN INCHES AND DEGREES
TOLERANCES UNLESS OTHERWISE SPECIFIED:

X.X	= ±0.1	X/X	= ±1/32
X.XX	= ±0.03	X°	= ±1°
X.XXX	= ±0.005	X.X°	= ±.5°
X.XXXX	= ±0.0005	X.XX°	= ±.05°

SIZE	DWG NO	REV
B	CS-017	1

SCALE	SHEET
2:1	19 OF 36

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Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-018	MOTOR PULLEY	ALUMINUM ALLOY

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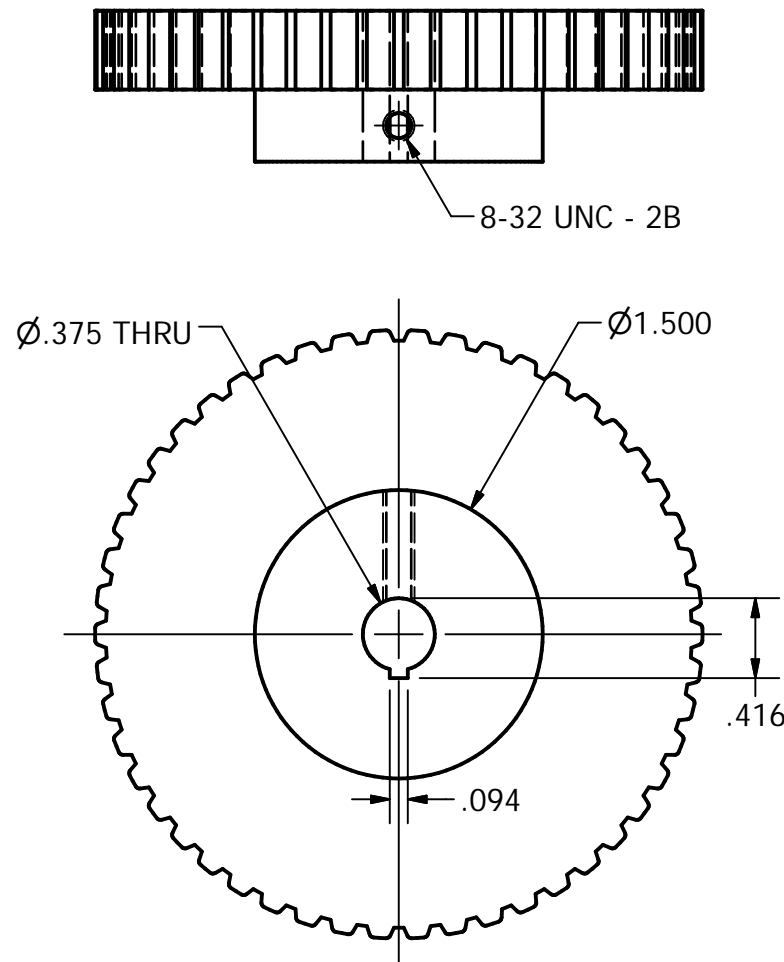
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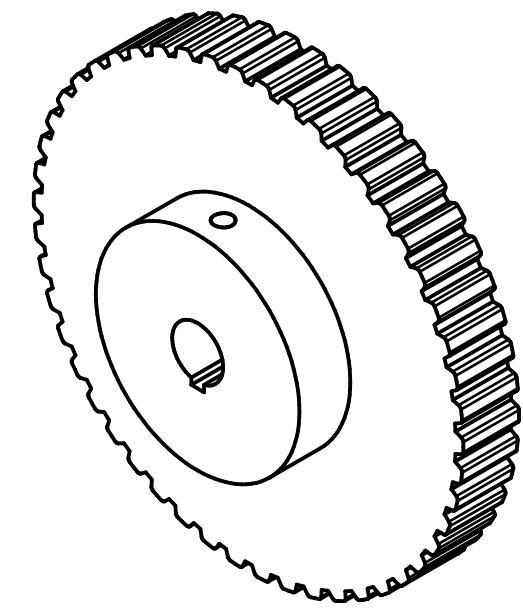
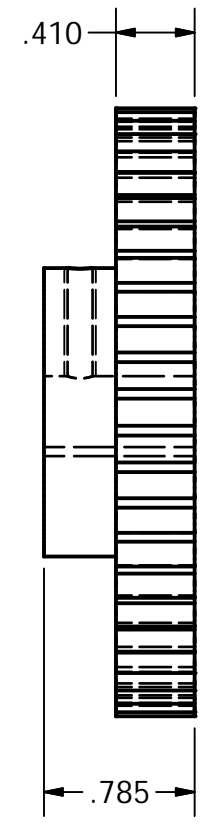
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8-32 UNC - 2B



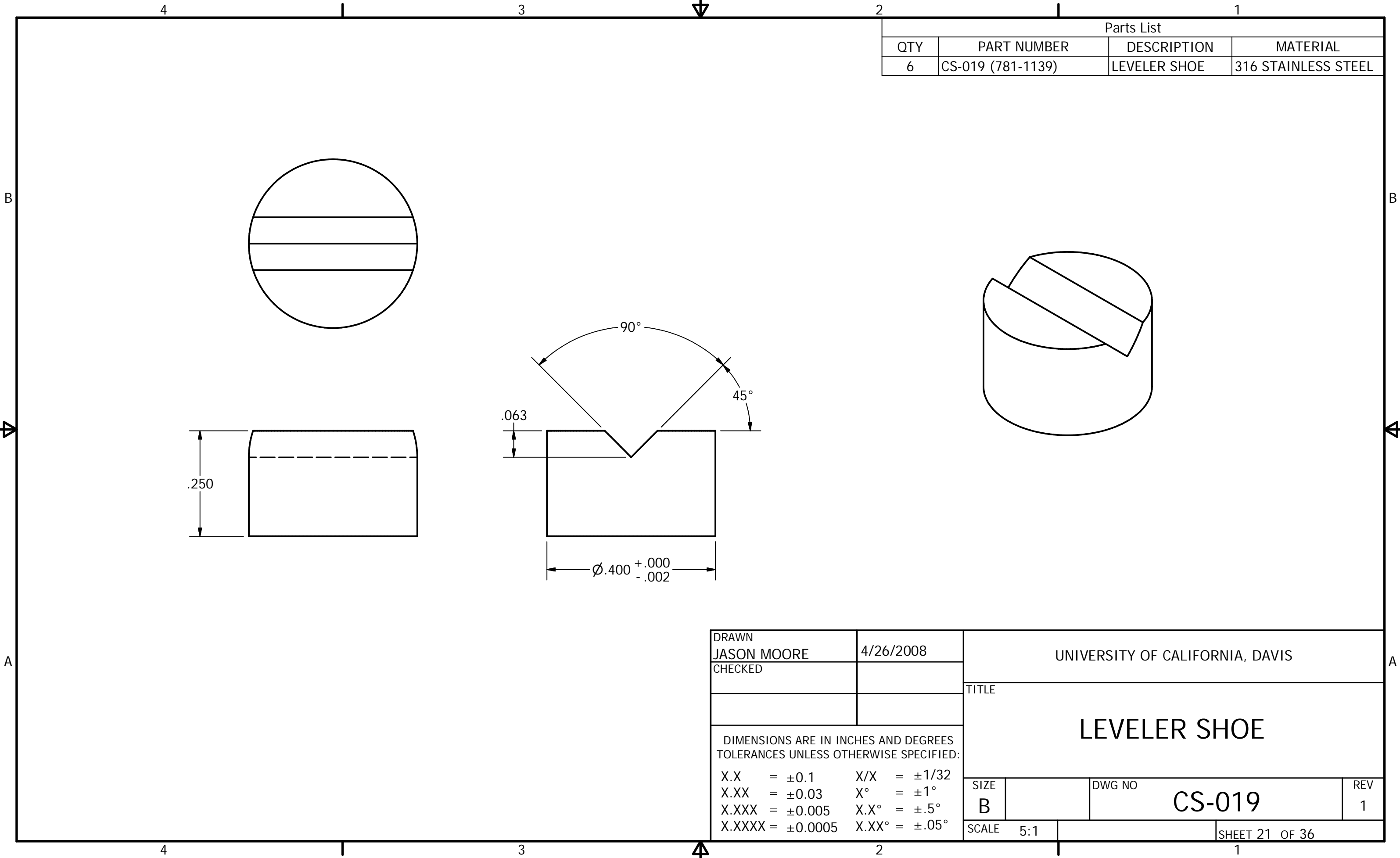
DRAWN JASON MOORE		4/26/2008		UNIVERSITY OF CALIFORNIA, DAVIS	
CHECKED					
				TITLE	
				MOTOR PULLEY	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED:				SIZE B	DWG NO CS-018
X.X = ±0.1	X/XX = ±1/32			REV 1	
X.XX = ±0.03	X° = ±1°				
X.XXX = ±0.005	X.X° = ±.5°				
X.XXXX = ±0.0005	X.XX° = ±.05°				
		SCALE 1:1		SHEET 20 OF 36	

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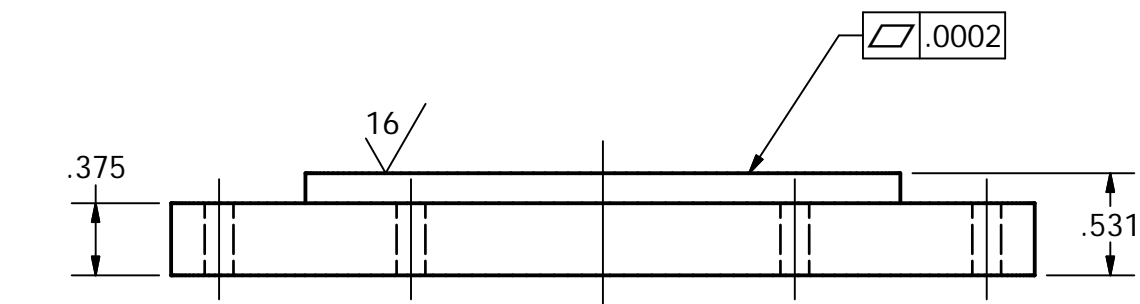
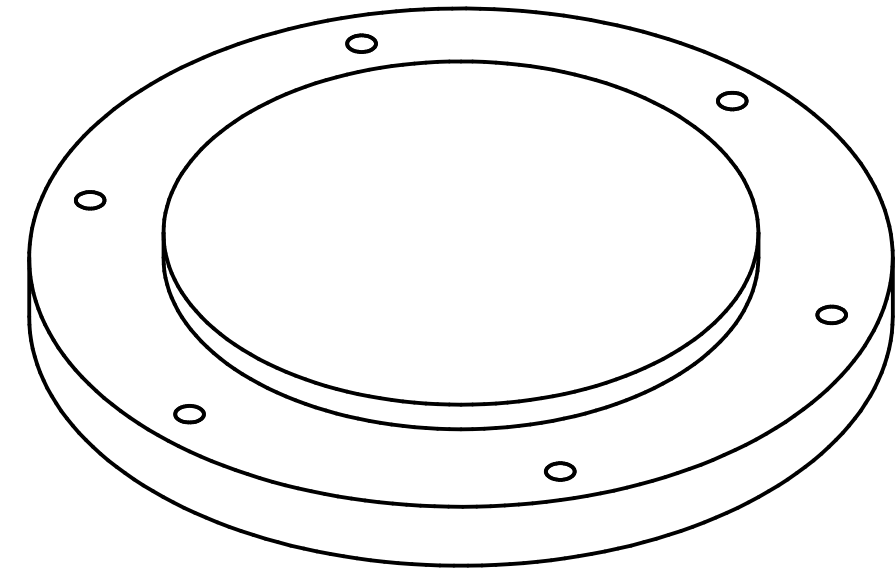
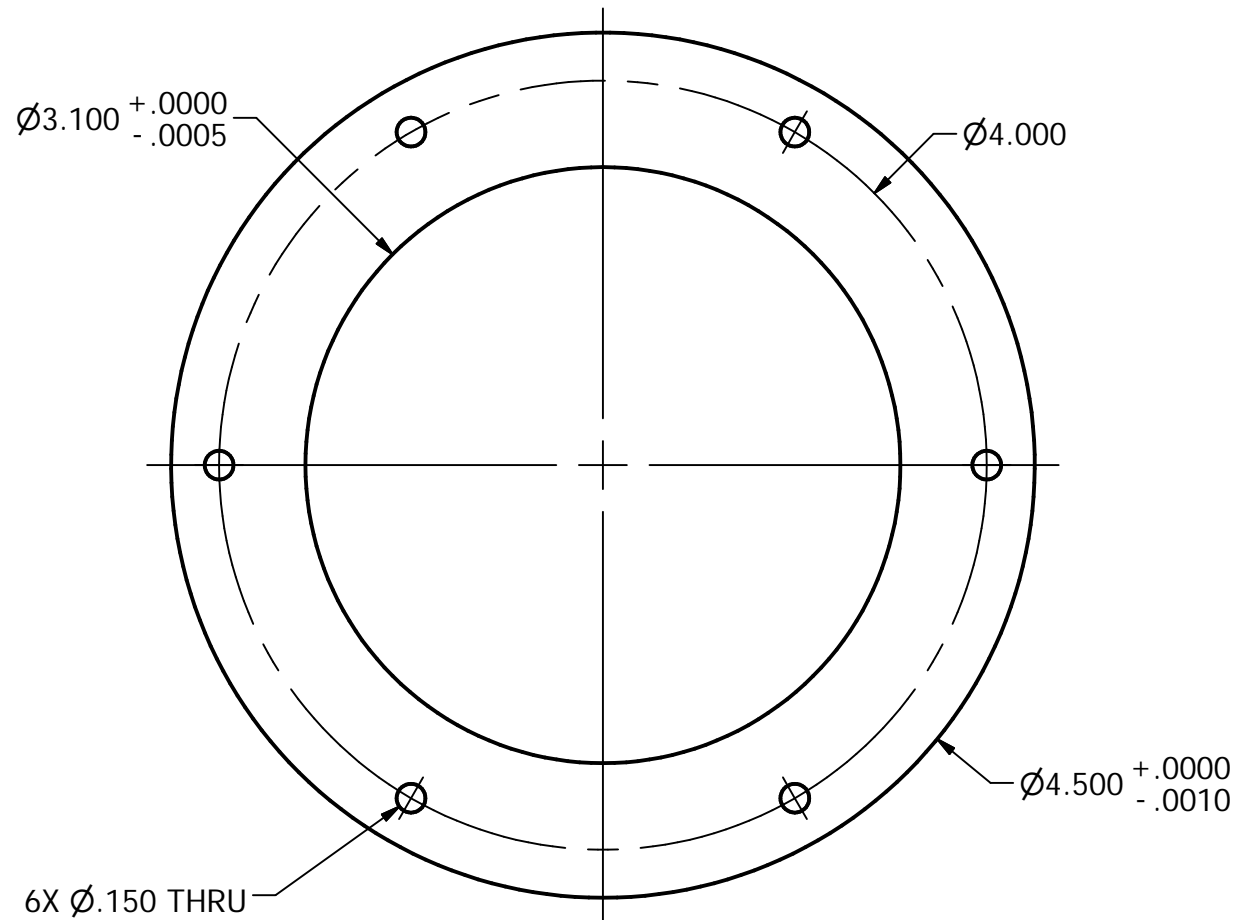
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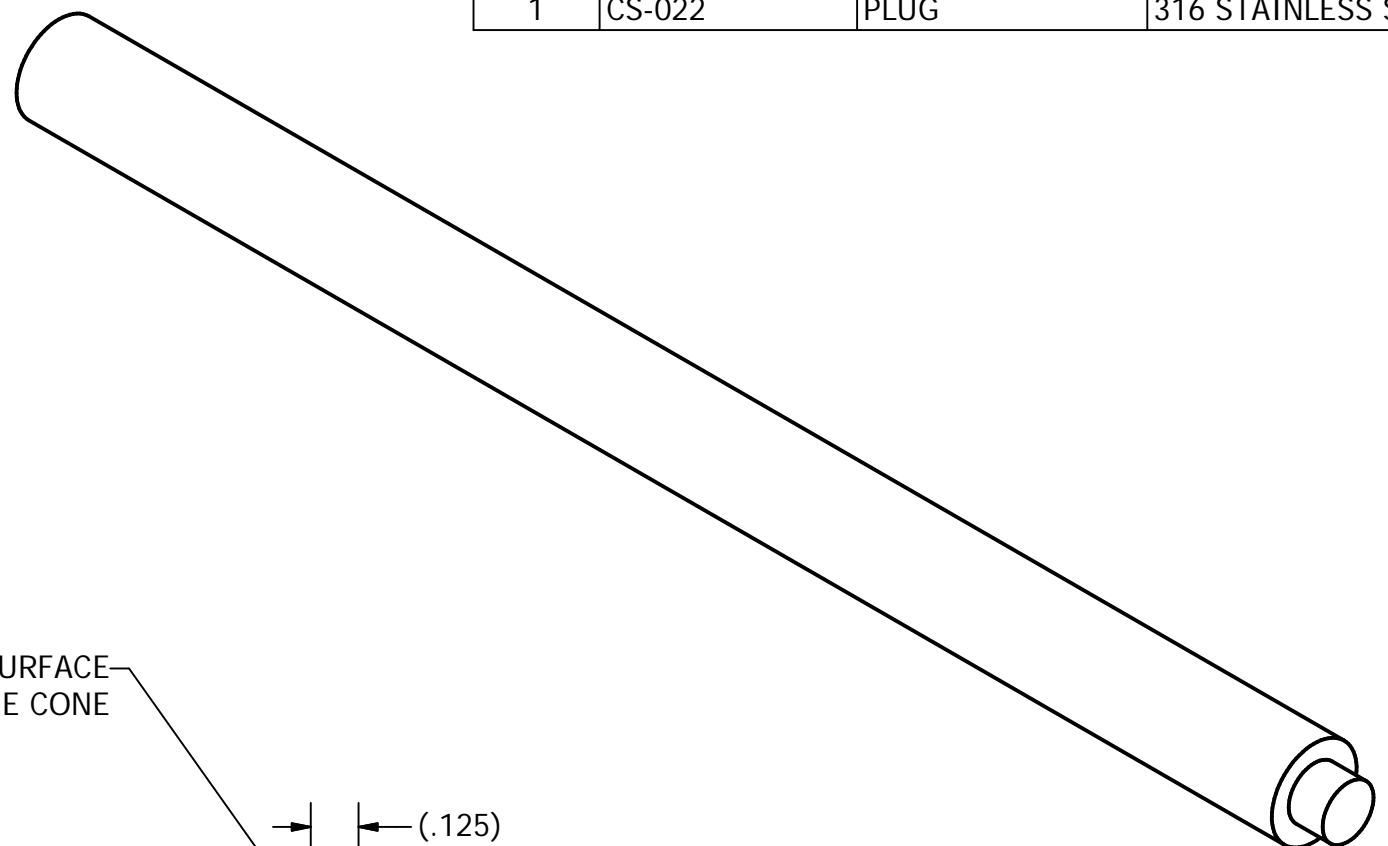
DRAWN JASON MOORE		4/26/2008		UNIVERSITY OF CALIFORNIA, DAVIS	
CHECKED					
				TITLE	
				LEVELER SHOE	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED:					
X.X	= ±0.1	X/X	= ±1/32	SIZE	
X.XX	= ±0.03	X°	= ±1°	B	DWG NO
X.XXX	= ±0.005	X.X°	= ±.5°	CS-019	
X.XXXX	= ±0.0005	X.XX°	= ±.05°	REV	1
SCALE 5:1				SHEET 21 OF 36	

Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-021	HEATER BLOCK	316 STAINLESS STEEL

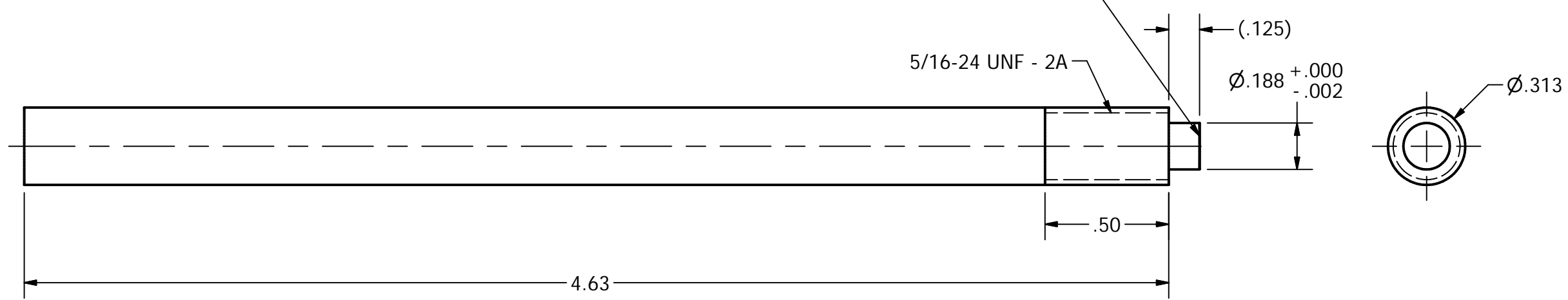


DRAWN JASON MOORE		4/26/2008		UNIVERSITY OF CALIFORNIA, DAVIS	
CHECKED				TITLE	
				HEATER BLOCK	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED:		SIZE B		DWG NO CS-021	
X.X = ±0.1	X/XX = ±1/32	SCALE 1:1		REV 1	
X.XX = ±0.03	X° = ±1°			SHEET 23 OF 36	
X.XXX = ±0.005	X.X° = ±.5°				
X.XXXX = ±0.0005	X.XX° = ±.05°				

Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-022	PLUG	316 STAINLESS STEEL



INSERT PLUG INTO CONE (CS-003) WHEN FINISHING THE CONE SURFACE
THE TIP SURFACE SHOULD MATCH THE SURFACE OF THE CONE



DRAWN JASON MOORE	4/26/2008	UNIVERSITY OF CALIFORNIA, DAVIS	
CHECKED		TITLE PLUG	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED: X.X = ±0.1 X/X = ±1/32 X.XX = ±0.03 X° = ±1° X.XXX = ±0.005 X.X° = ±.5° X.XXXX = ±0.0005 X.XX° = ±.05°		SIZE B	DWG NO CS-022
		SCALE 2:1	REV 1
		SHEET 24 OF 36	

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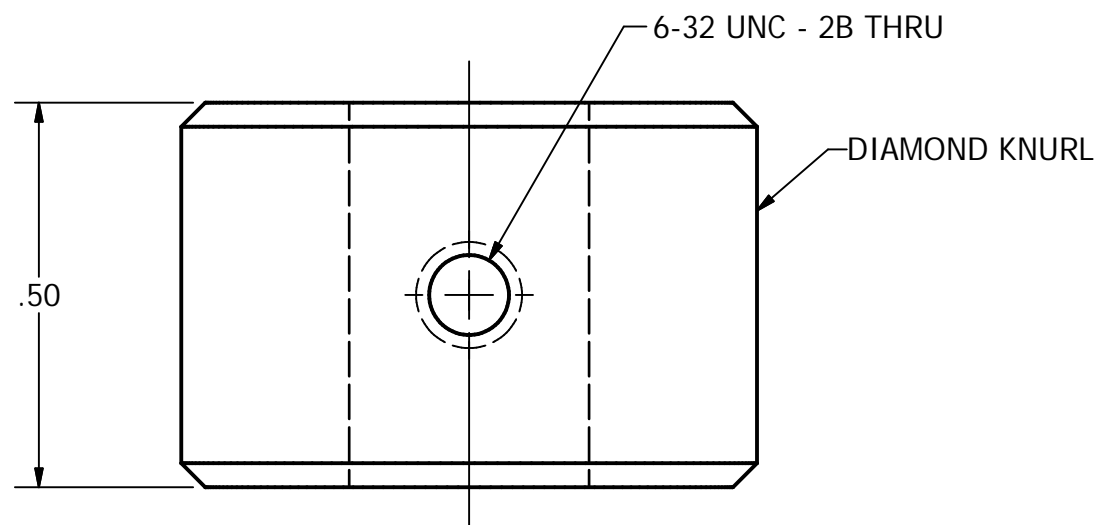
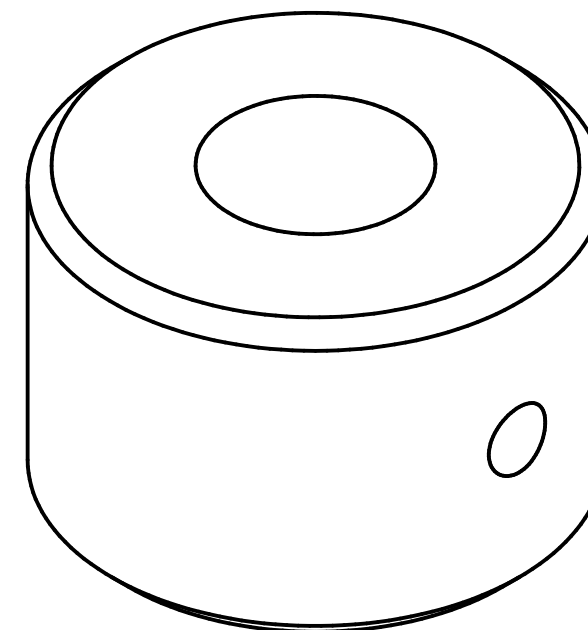
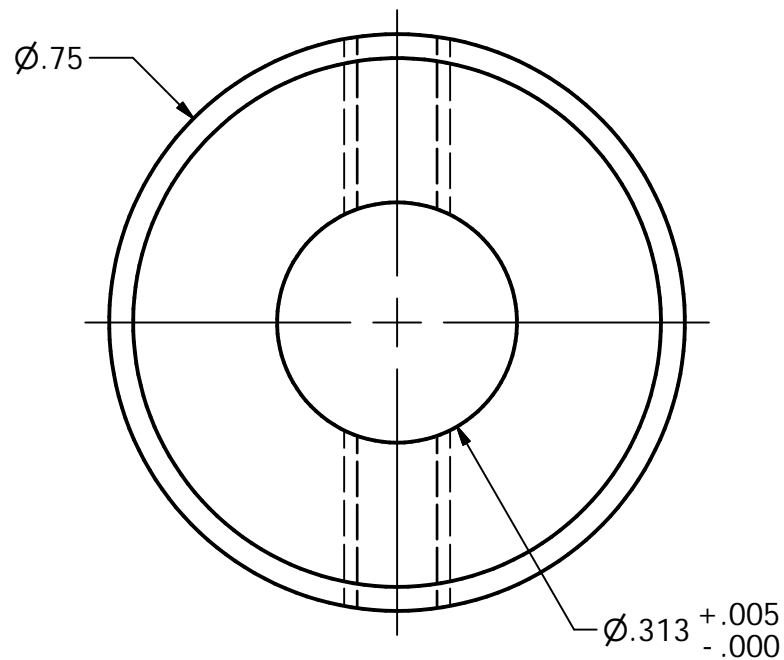
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REVISION HISTORY

ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	CHANGED PIN HOLE TO SCREW HOLE	11/12/2008	

Parts List

QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-023	PLUG KNOB	ALUMINUM 6061-T6



DRAWN	4/26/2008
JASON MOORE	
CHECKED	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED: X.X = ±0.1 X/X = ±1/32 X.XX = ±0.03 X° = ±1° X.XXX = ±0.005 X.X° = ±.5° X.XXXX = ±0.0005 X.XX° = ±.05°	

UNIVERSITY OF CALIFORNIA, DAVIS			
TITLE			
PLUG KNOB			
SIZE	DWG NO	REV	
B	CS-023	1	
SCALE	SHEET 25 OF 36		
4:1			

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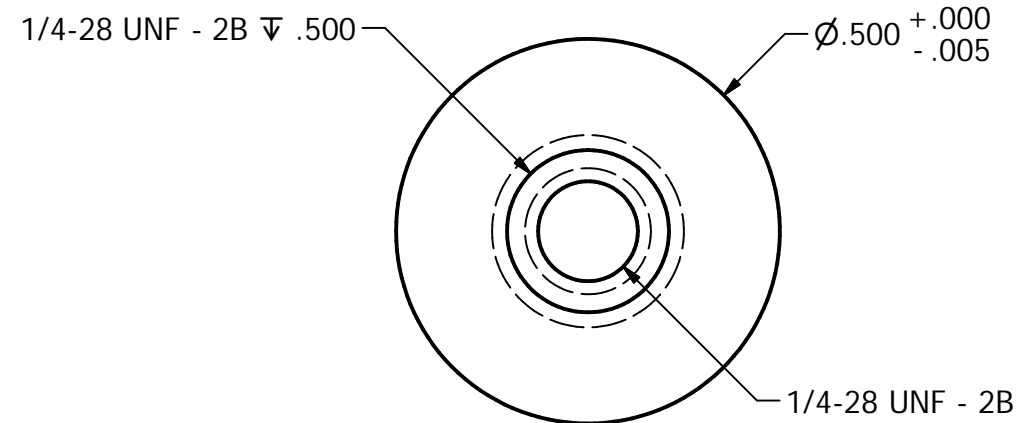
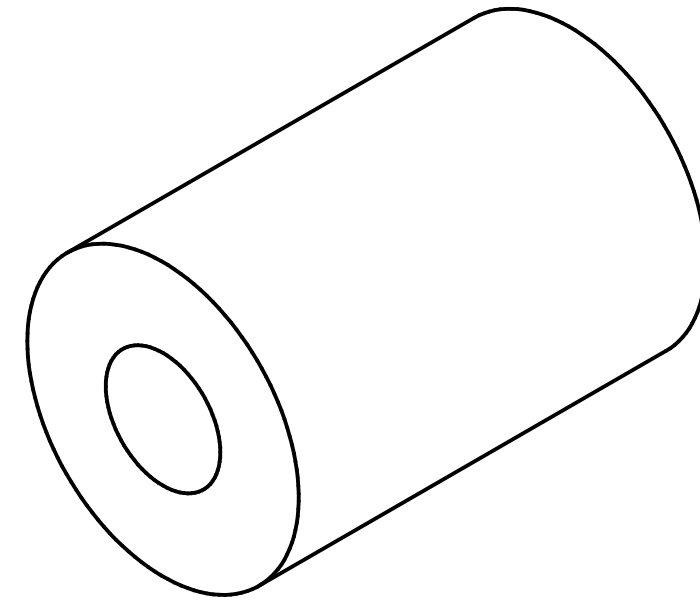
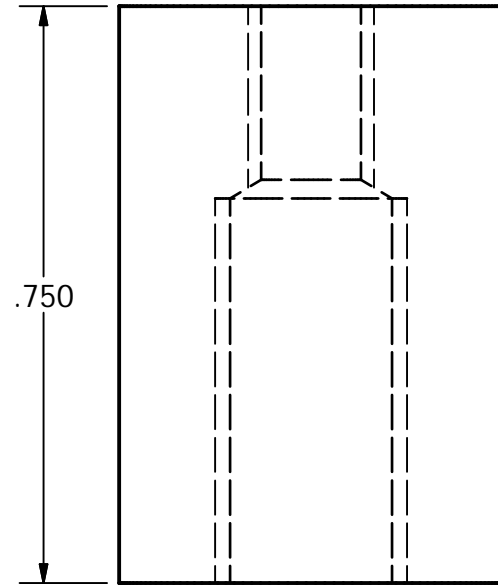
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Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
6	CS-024	LEVELER CLAMP POST	316 STAINLESS STEEL



DRAWN JASON MOORE	4/26/2008	UNIVERSITY OF CALIFORNIA, DAVIS	
CHECKED		TITLE	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED: X.X = ±0.1 X/X = ±1/32 X.XX = ±0.03 X° = ±1° X.XXX = ±0.005 X.X° = ±.5° X.XXXX = ±0.0005 X.XX° = ±.05°		LEVELER CLAMP POST	
		SIZE B	DWG NO CS-024
SCALE 4:1		SHEET 26 OF 36	

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REVISION HISTORY

ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	HEIGHT INCREASED	10/6/2008	

Parts List

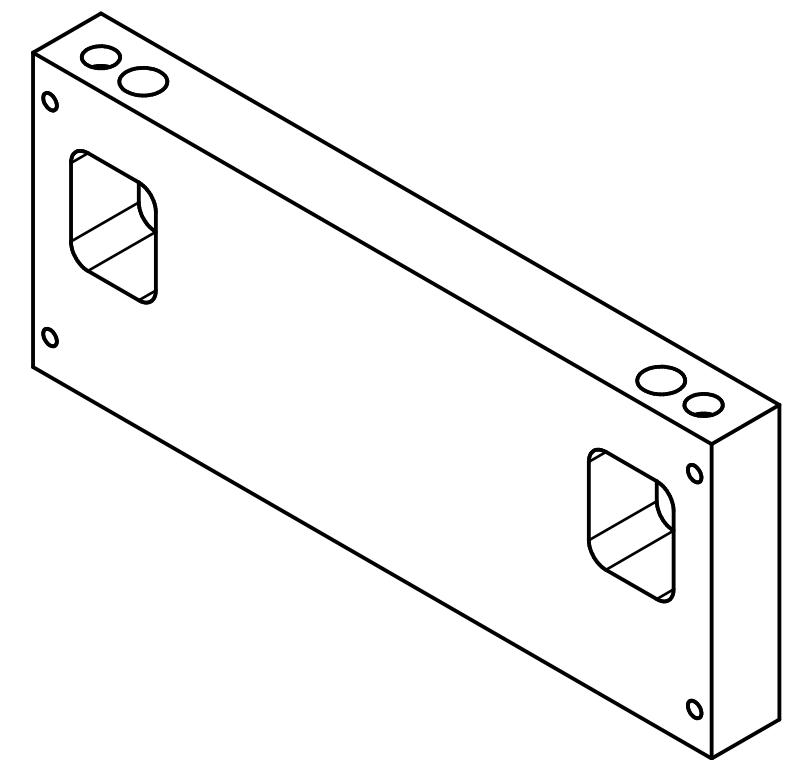
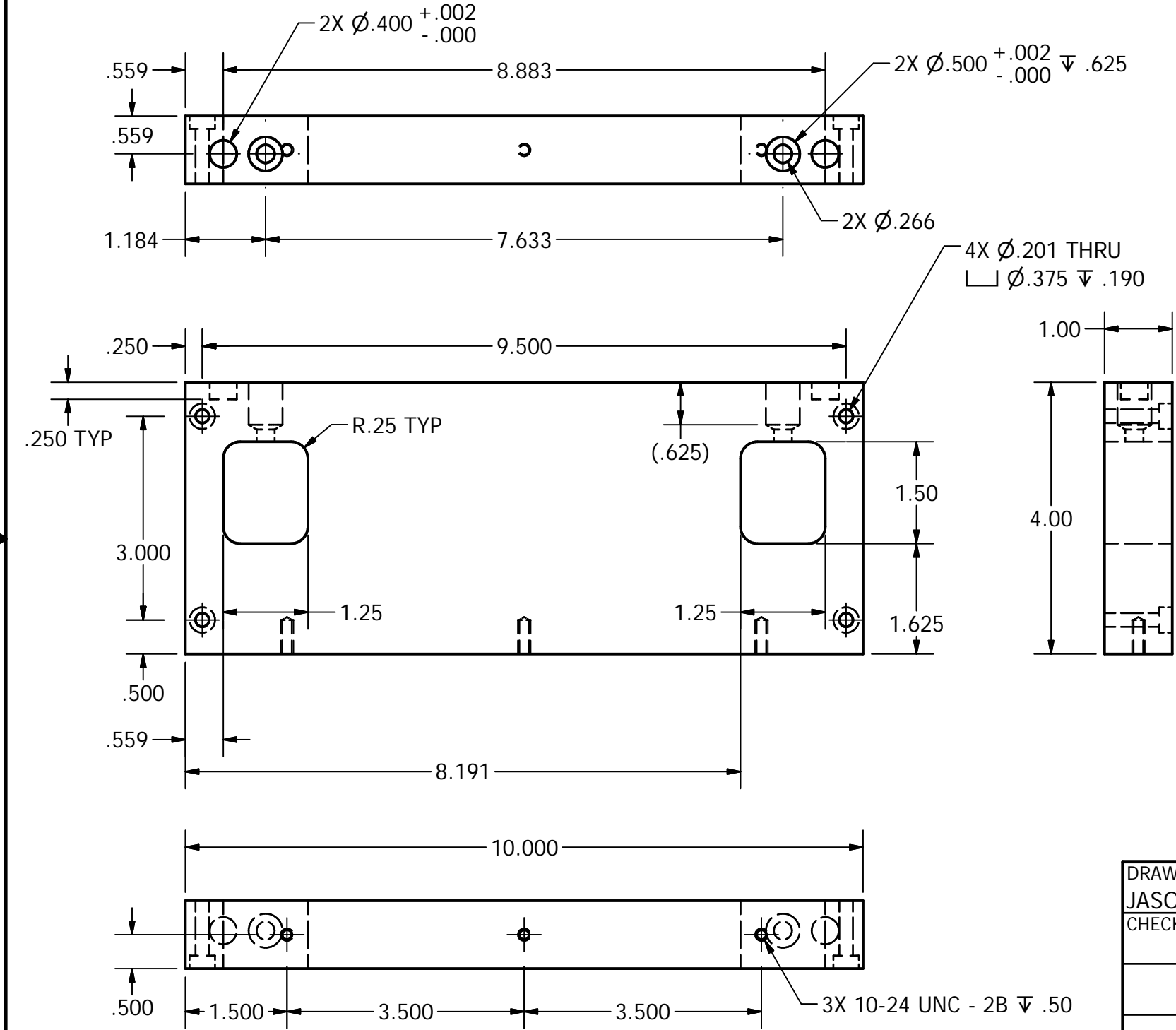
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-025	REAR LEG	ALUMINUM 6061-T6

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DRAWN JASON MOORE		4/26/2008		UNIVERSITY OF CALIFORNIA, DAVIS	
CHECKED				TITLE	
				REAR LEG	
SIZE B		DWG NO CS-025		REV 1	
SCALE 1:2		SHEET 27 OF 36			

DIMENSIONS ARE IN INCHES AND DEGREES
TOLERANCES UNLESS OTHERWISE SPECIFIED:

X.X	= ±0.1	X/X	= ±1/32
X.XX	= ±0.03	X°	= ±1°
X.XXX	= ±0.005	X.X°	= ±.5°
X.XXXX	= ±0.0005	X.XX°	= ±.05°

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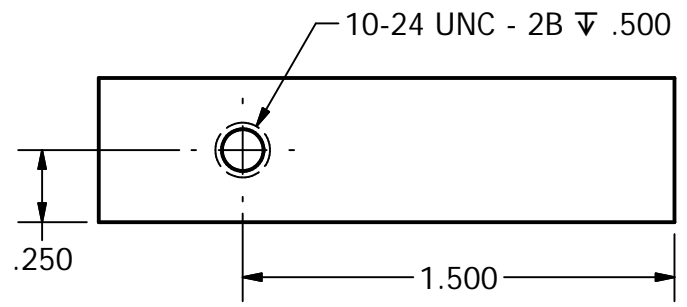
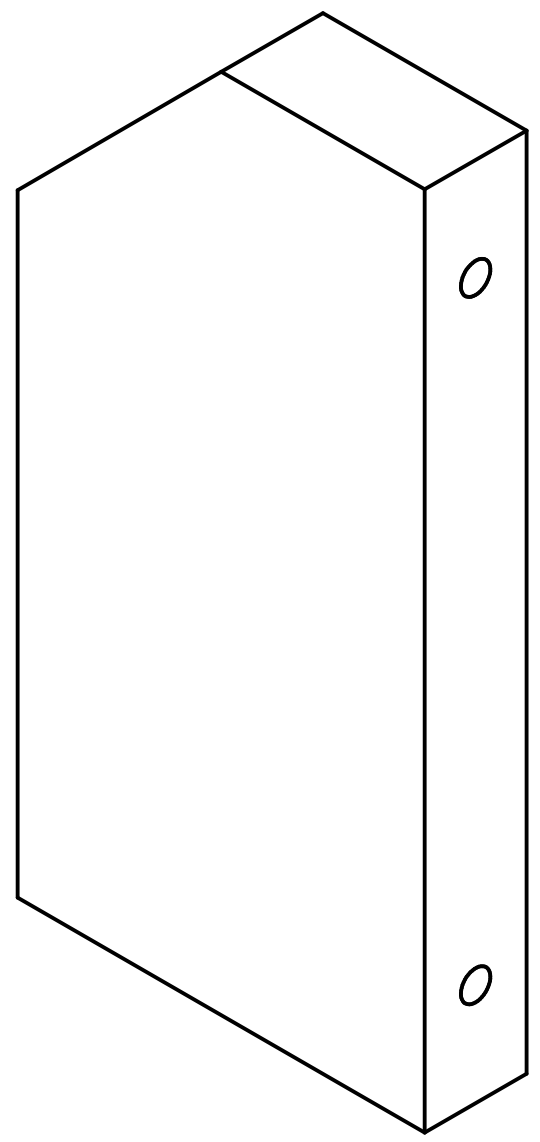
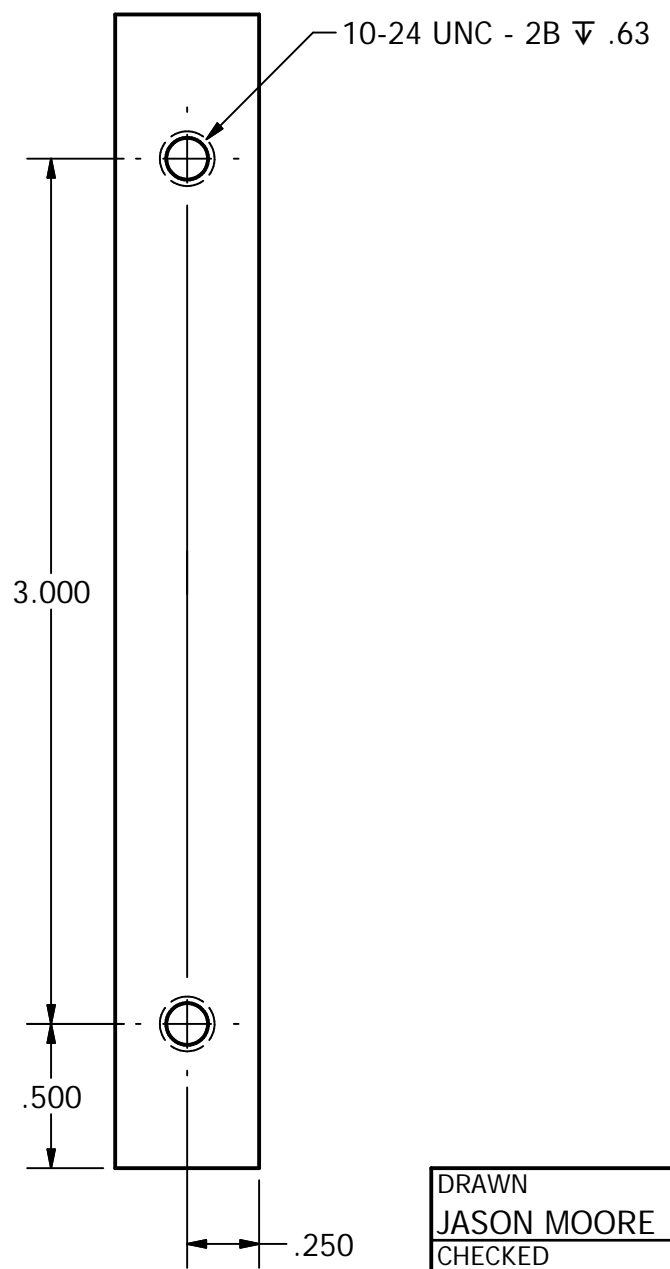
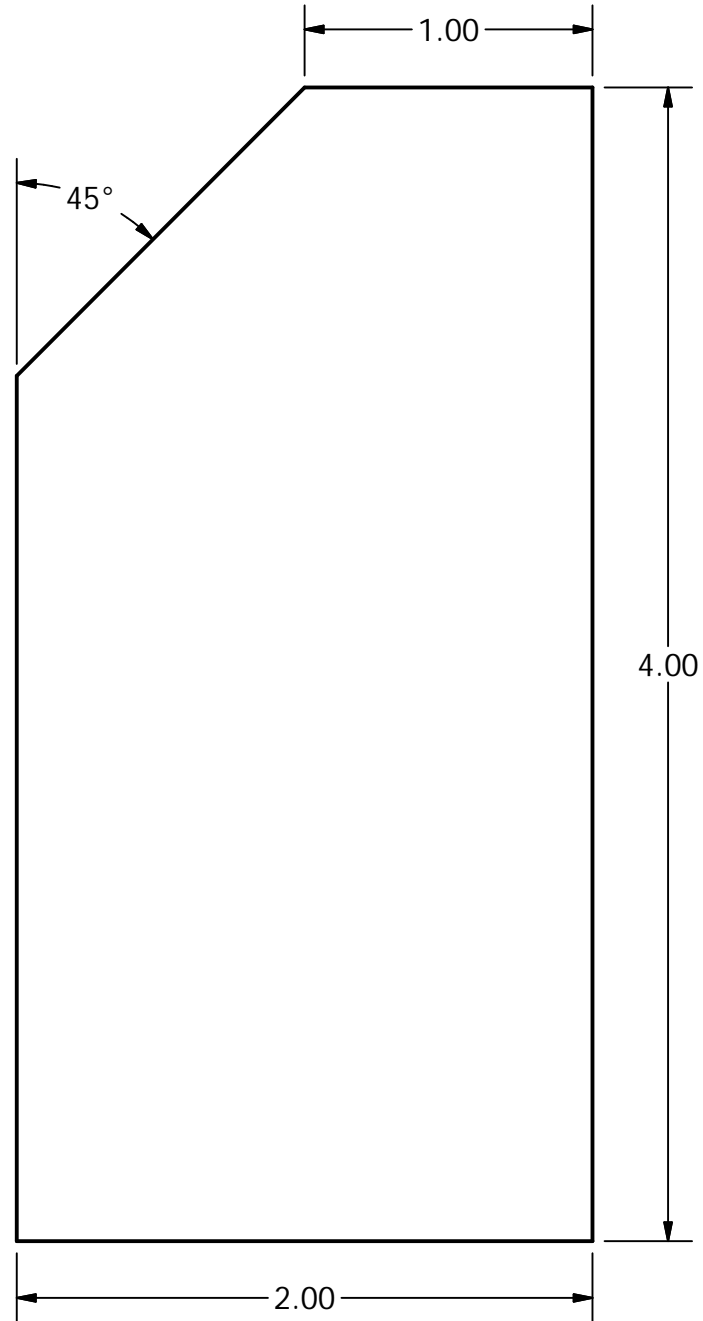
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REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	HEIGHT AND HOLE DEPTH INCREASED	10/6/2008	

Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
2	CS-026	REAR LEG SUPPORT	ALUMINUM 6061-T6



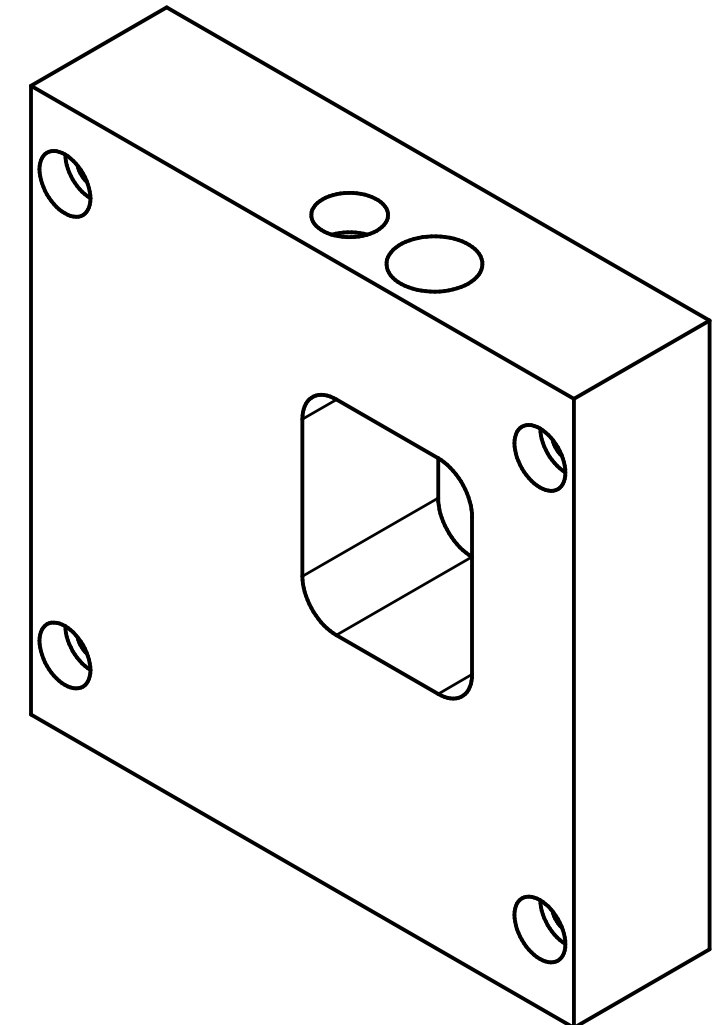
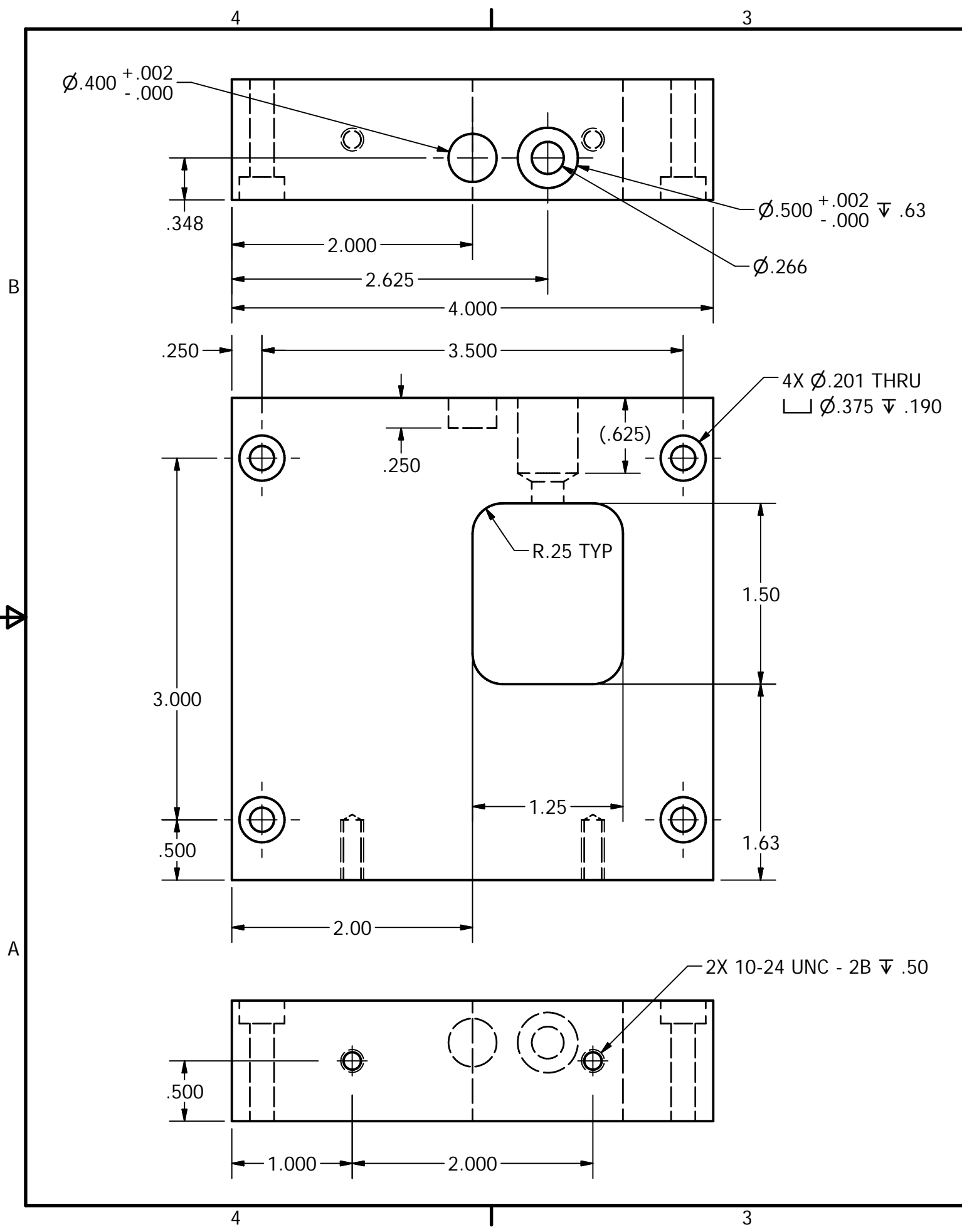
DRAWN	JASON MOORE	4/26/2008
CHECKED		
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED: X.X = ±0.1 X/X = ±1/32 X.XX = ±0.03 X° = ±1° X.XXX = ±0.005 X.X° = ±.5° X.XXXX = ±0.0005 X.XX° = ±.05°		

UNIVERSITY OF CALIFORNIA, DAVIS		
TITLE		
REAR LEG SUPPORT		
SIZE	DWG NO	REV
B	CS-026	1
SCALE 3:2	SHEET 28 OF 36	

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Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-027	FRONT LEG	ALUMINUM 6061-T6



REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	HEIGHT INCREASED	10/6/2008	

DRAWN JASON MOORE		4/26/2008		UNIVERSITY OF CALIFORNIA, DAVIS		
CHECKED						
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED:				TITLE FRONT LEG		
X.X	= ±0.1	X/X	= ±1/32			
X.XX	= ±0.03	X°	= ±1°			
X.XXX	= ±0.005	X.X°	= ±.5°			
X.XXXX	= ±0.0005	X.XX°	= ±.05°	SIZE B	DWG NO CS-027	REV 1
SCALE 1:1		SHEET 29 OF 36				

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REVISION HISTORY

ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	HEIGHT AND HOLE DEPTH INCREASED	10/6/2008	

Parts List

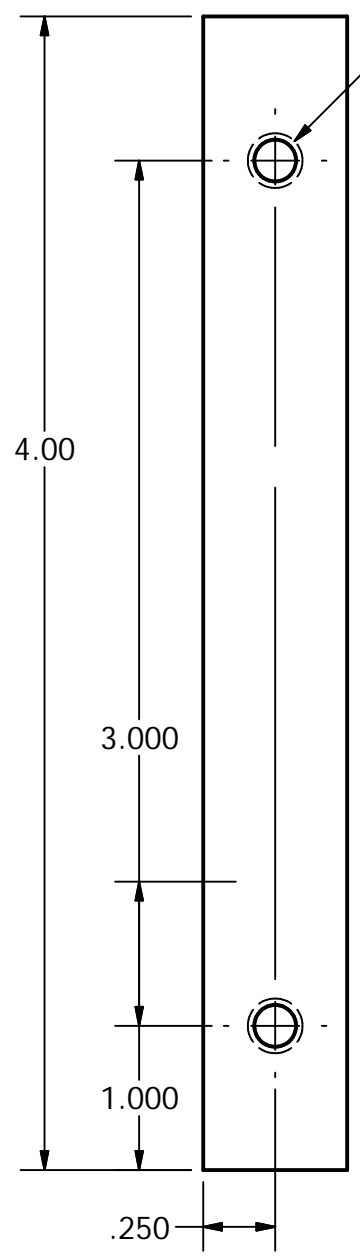
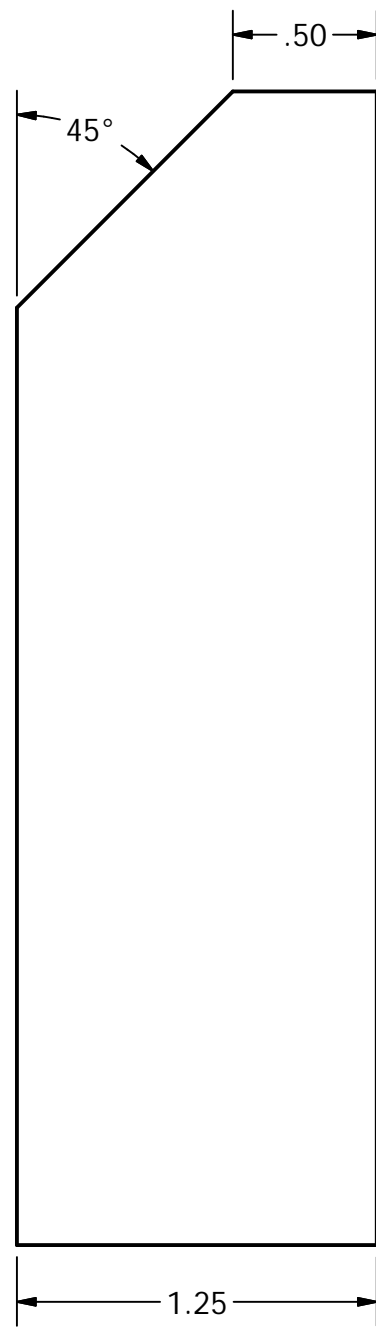
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-028	FRONT LEG SUPPORT	ALUMINUM 6061-T6

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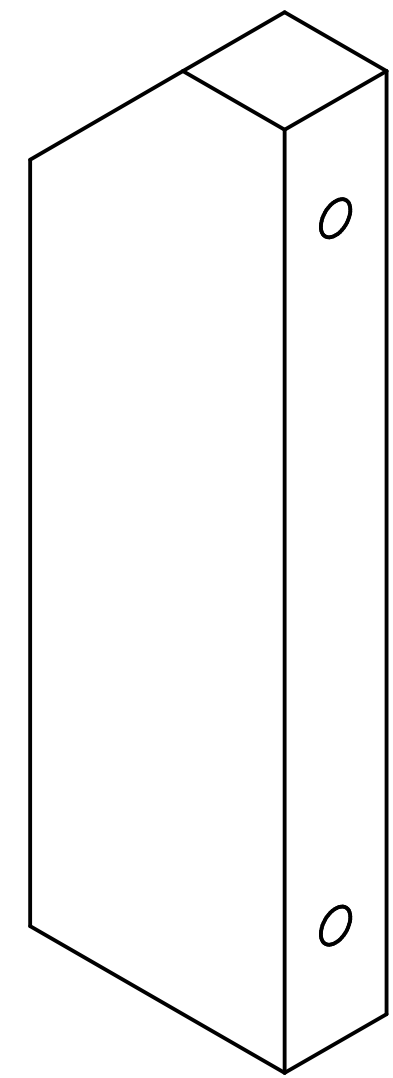
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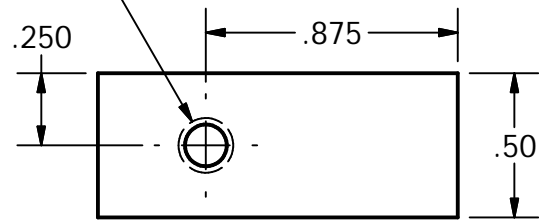
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10-24 UNC - 2B ∇ .63



10-24 UNC - 2B ∇ .50



DRAWN	4/26/2008
JASON MOORE	
CHECKED	

UNIVERSITY OF CALIFORNIA, DAVIS

TITLE

FRONT LEG SUPPORT

DIMENSIONS ARE IN INCHES AND DEGREES
TOLERANCES UNLESS OTHERWISE SPECIFIED:

X.X	= ±0.1	X/X	= ±1/32
X.XX	= ±0.03	X°	= ±1°
X.XXX	= ±0.005	X.X°	= ±.5°
X.XXXX	= ±0.0005	X.XX°	= ±.05°

SIZE	DWG NO	REV
B	CS-028	1

SCALE 3:2 SHEET 30 OF 36

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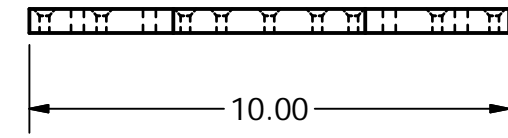
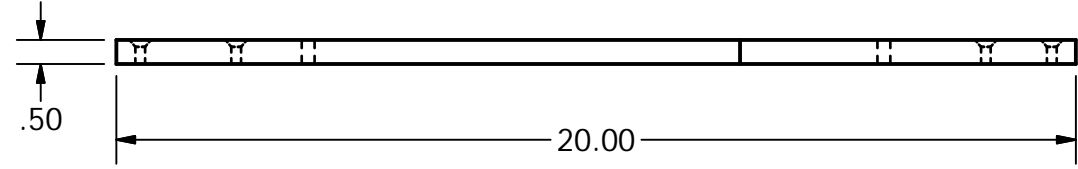
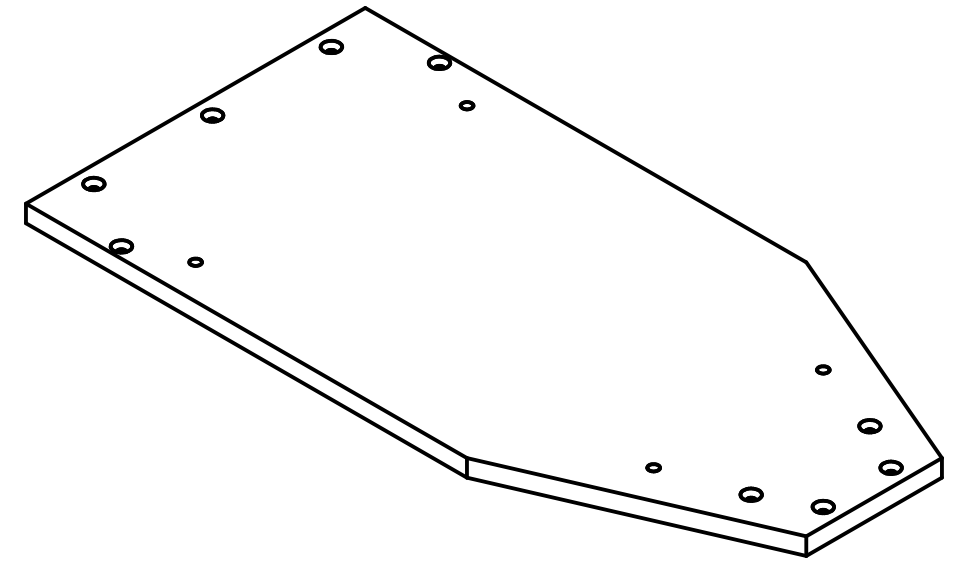
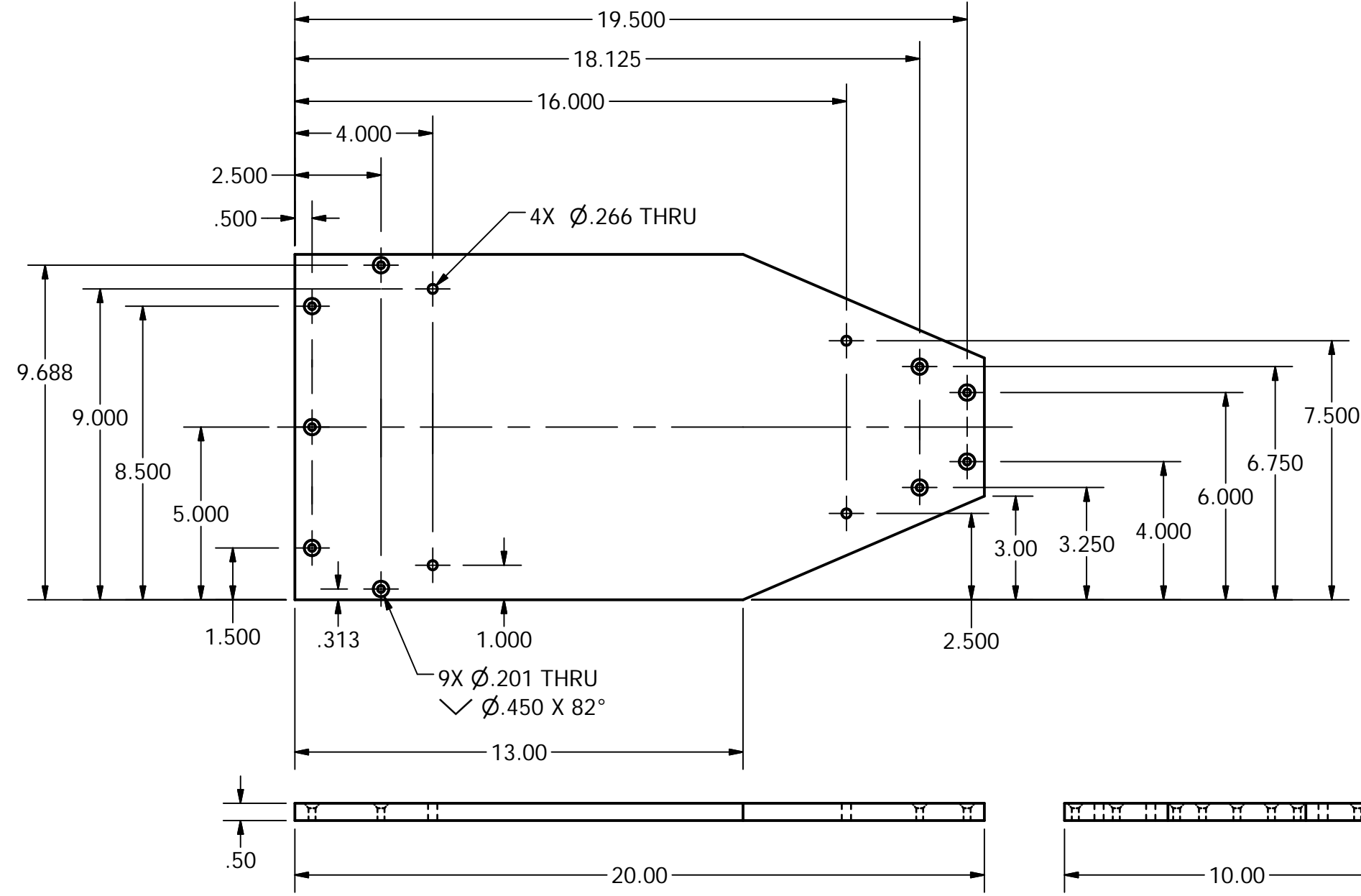
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REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	1	THICKNESS INCREASED	10/6/2008	

Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-029	LOWER BASE	ALUMINUM 6061-T6



4

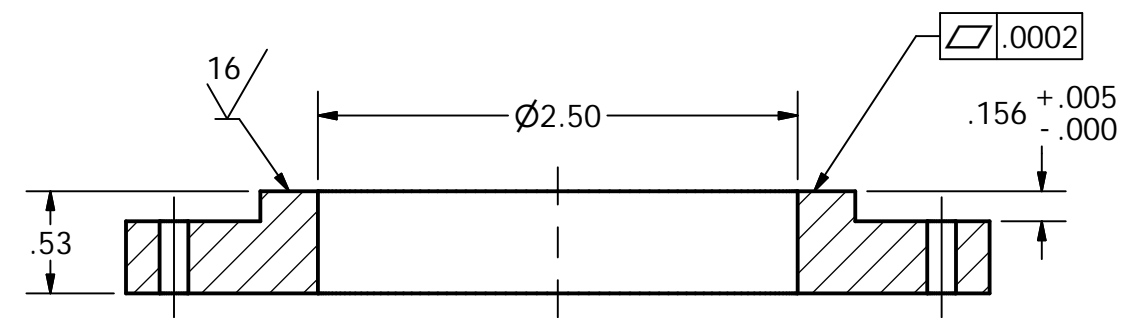
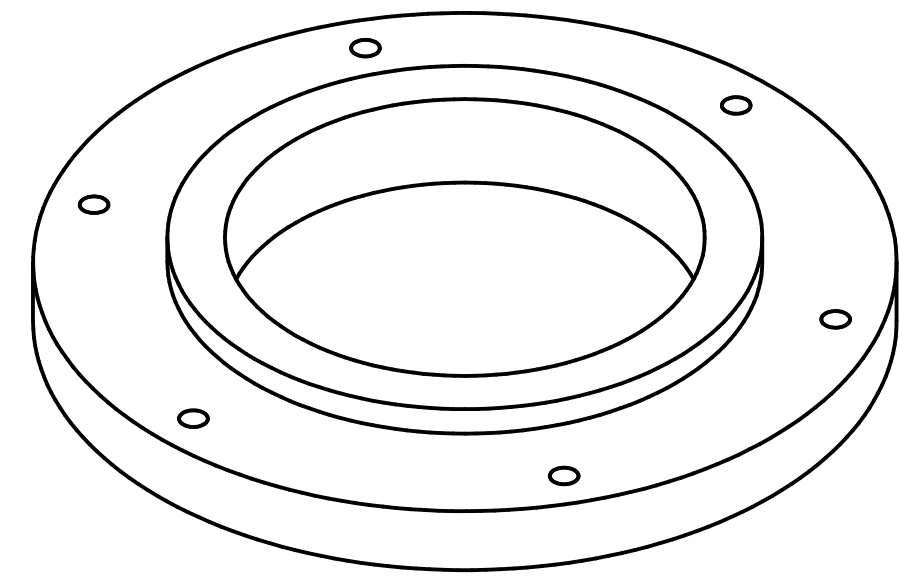
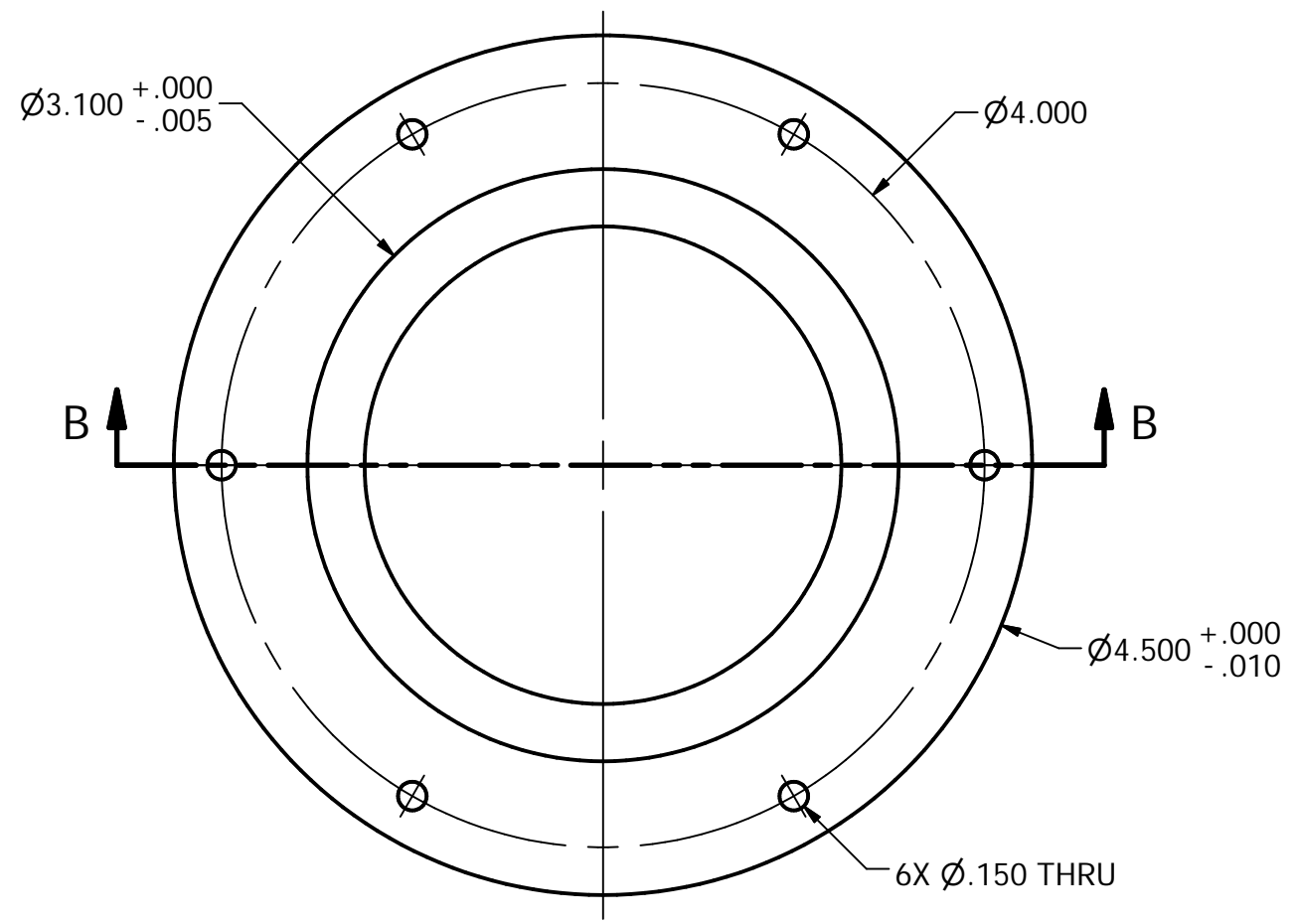
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DRAWN JASON MOORE		4/26/2008		UNIVERSITY OF CALIFORNIA, DAVIS	
CHECKED				TITLE	
				LOWER BASE	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED:				DWG NO CS-029	
X.X	= ±0.1	X/X	= ±1/32	SIZE B	REV 1
X.XX	= ±0.03	X°	= ±1°		
X.XXX	= ±0.005	X.X°	= ±.5°		
X.XXXX	= ±0.0005	X.XX°	= ±.05°		
SCALE 1:4				SHEET 31 OF 36	

Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-030	VISUALIZATION RING	316 STAINLESS STEEL



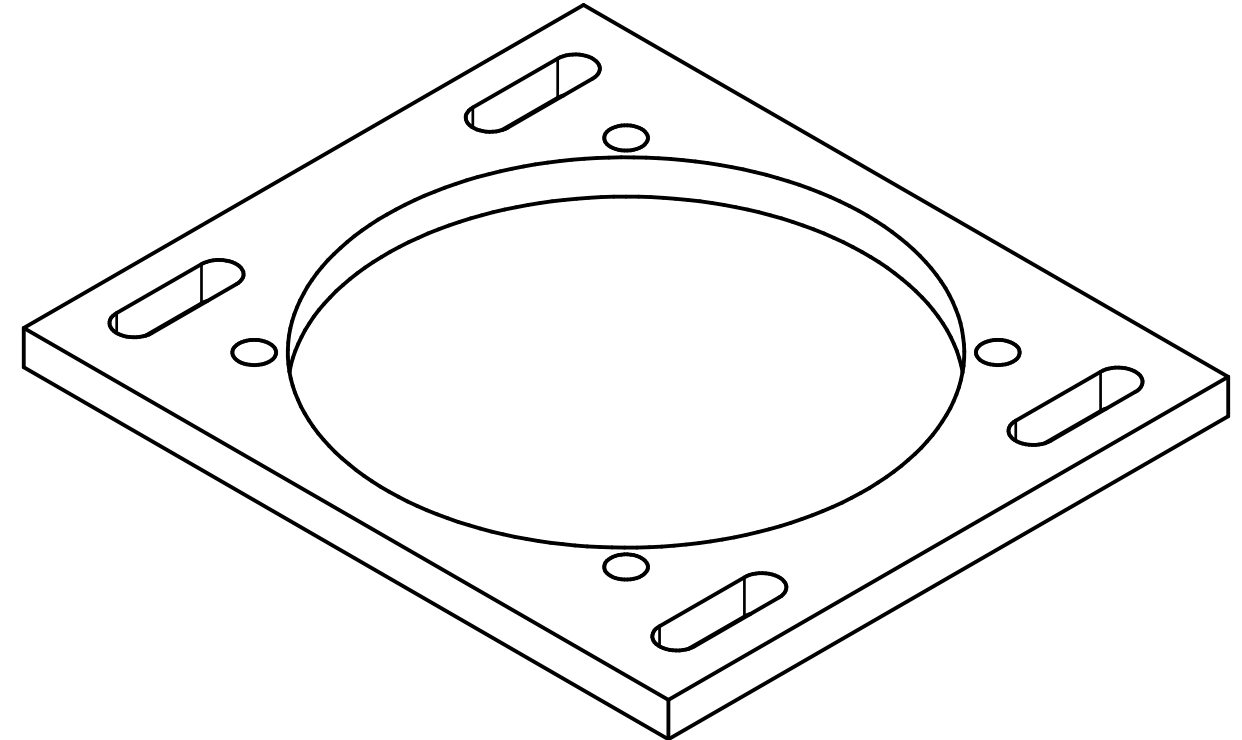
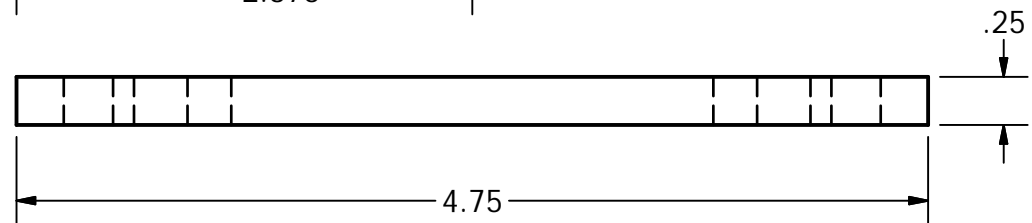
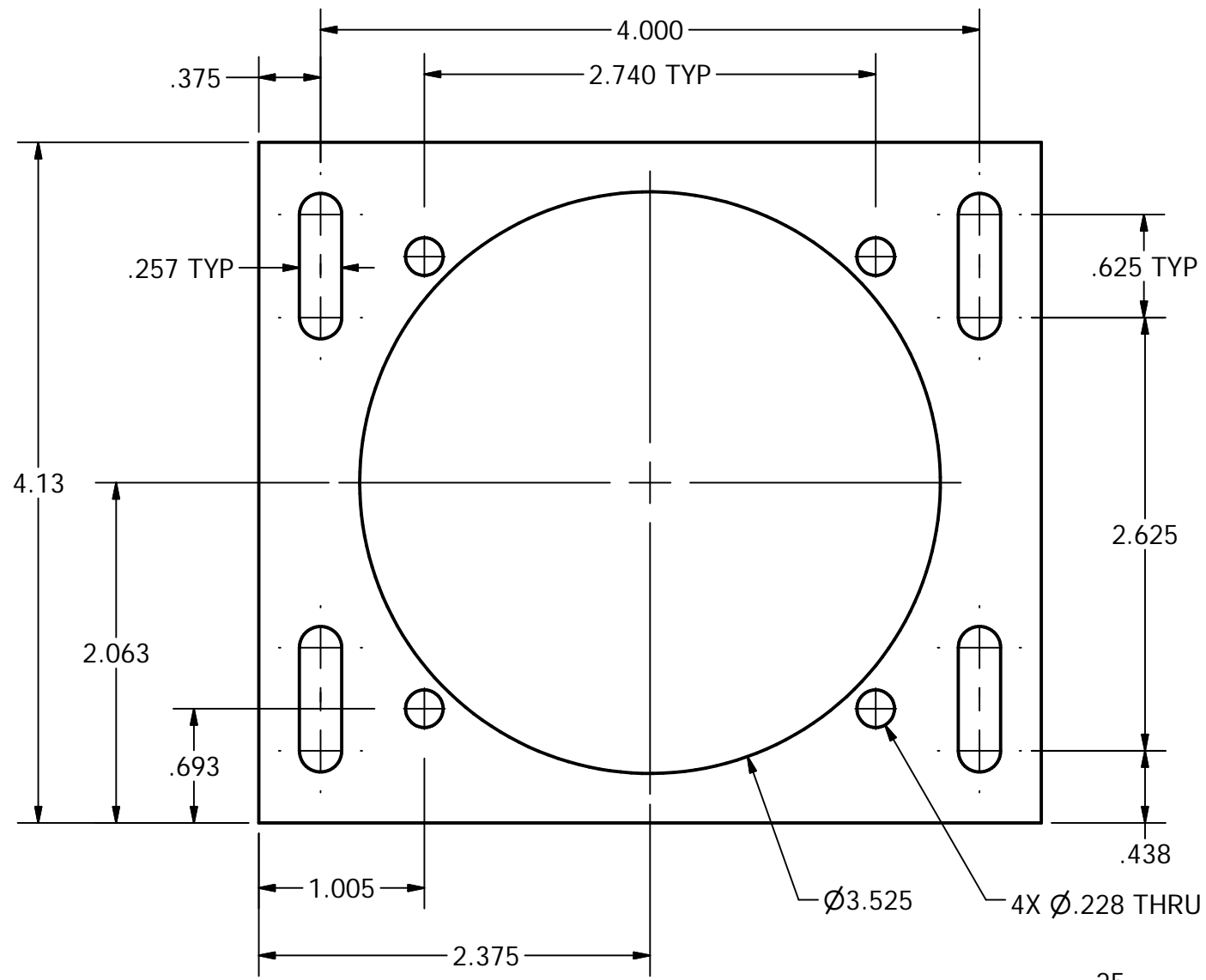
SECTION B-B
SCALE 1 : 1

DRAWN JASON MOORE		4/26/2008		UNIVERSITY OF CALIFORNIA, DAVIS	
CHECKED				TITLE	
				VISUALIZATION RING	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED:		SIZE B		DWG NO CS-030	
X.X = ±0.1	X/XX = ±1/32	SCALE 1:1		REV 1	
X.XX = ±0.03	X° = ±1°			SHEET 32 OF 36	
X.XXX = ±0.005	X.X° = ±.5°				
X.XXXX = ±0.0005	X.XX° = ±.05°				

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Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-031	MOTOR PLATE	316 STAINLESS STEEL

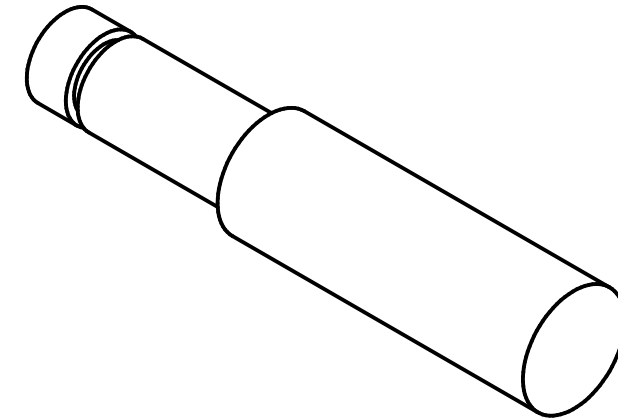
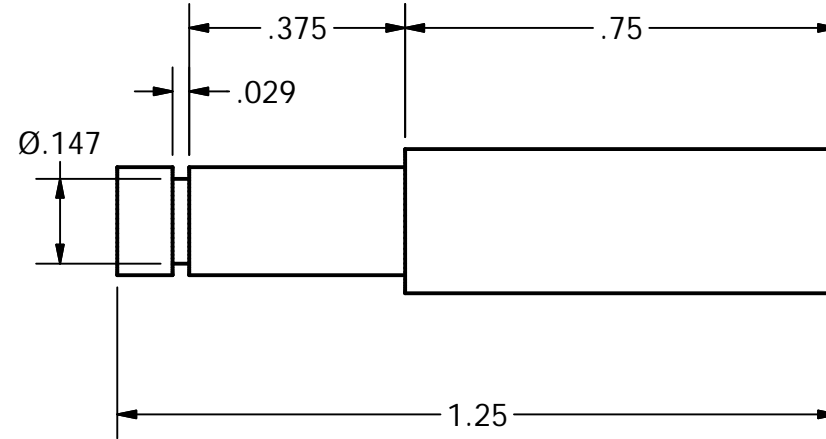
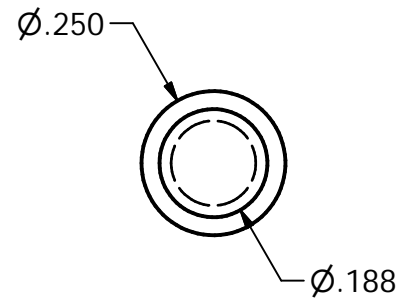


DRAWN JASON MOORE		4/26/2008		UNIVERSITY OF CALIFORNIA, DAVIS	
CHECKED				TITLE	
				MOTOR PLATE	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED:				SIZE B	DWG NO CS-031
X.X = ± 0.1	X/XX = $\pm 1/32$			SCALE 1:1	REV 1
X.XX = ± 0.03	X° = $\pm 1^\circ$			SHEET 33 OF 36	
X.XXX = ± 0.005	X.X° = $\pm .5^\circ$				
X.XXXX = ± 0.0005	X.XX° = $\pm .05^\circ$				

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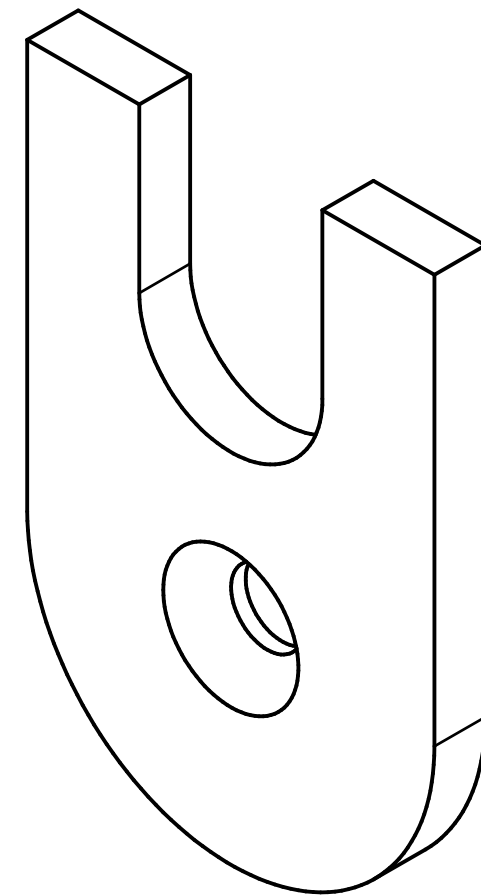
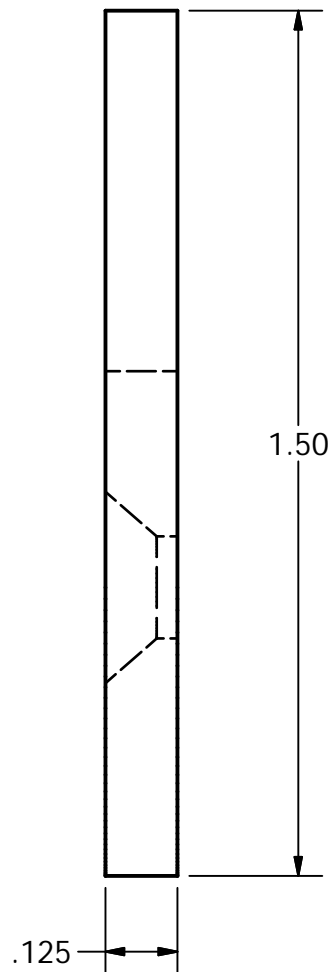
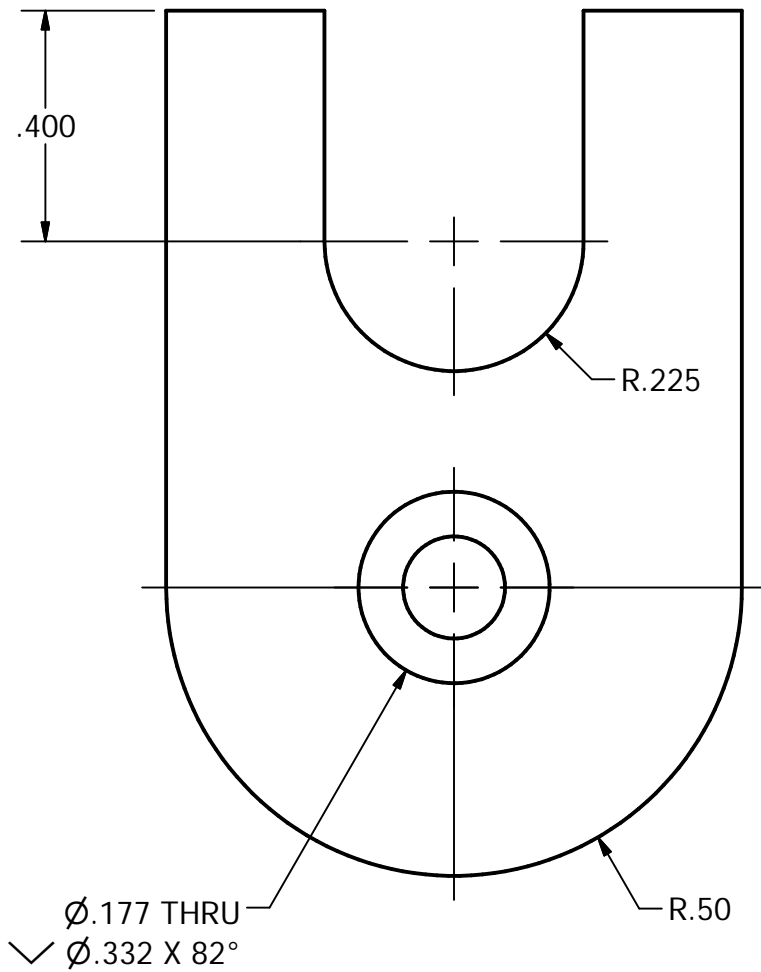
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Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	CS-032	HANDLE	316 STAINLESS STEEL



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CHECKED				TITLE	
				HANDLE	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED:					
X.X	= ±0.1	X/X	= ±1/32	SIZE	DWG NO
X.XX	= ±0.03	X°	= ±1°	B	CS-032
X.XXX	= ±0.005	X.X°	= ±.5°	SCALE	REV
X.XXXX	= ±0.0005	X.XX°	= ±.05°	3:1	1
				SHEET 34 OF 36	

Parts List			
QTY	PART NUMBER	DESCRIPTION	MATERIAL
6	CS-033	LEVELER CLAMP TOP	316 STAINLESS STEEL

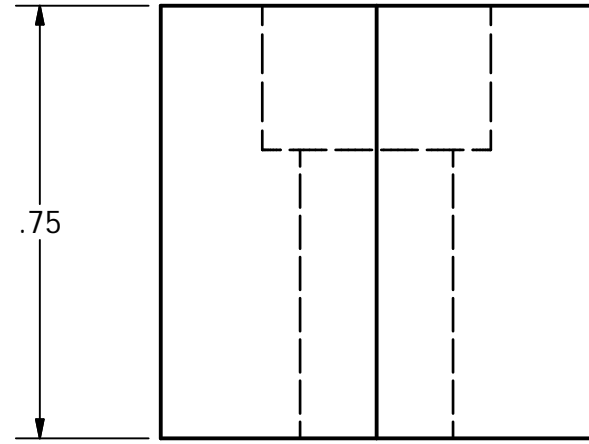
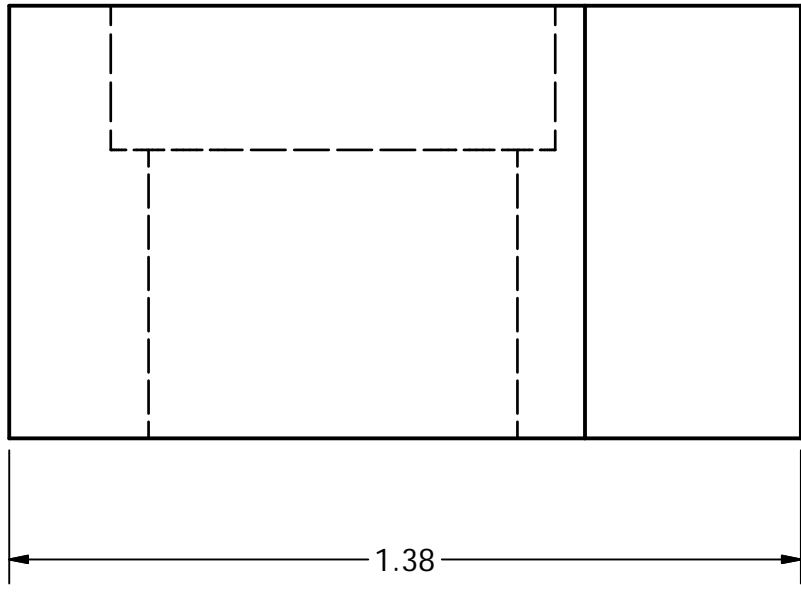
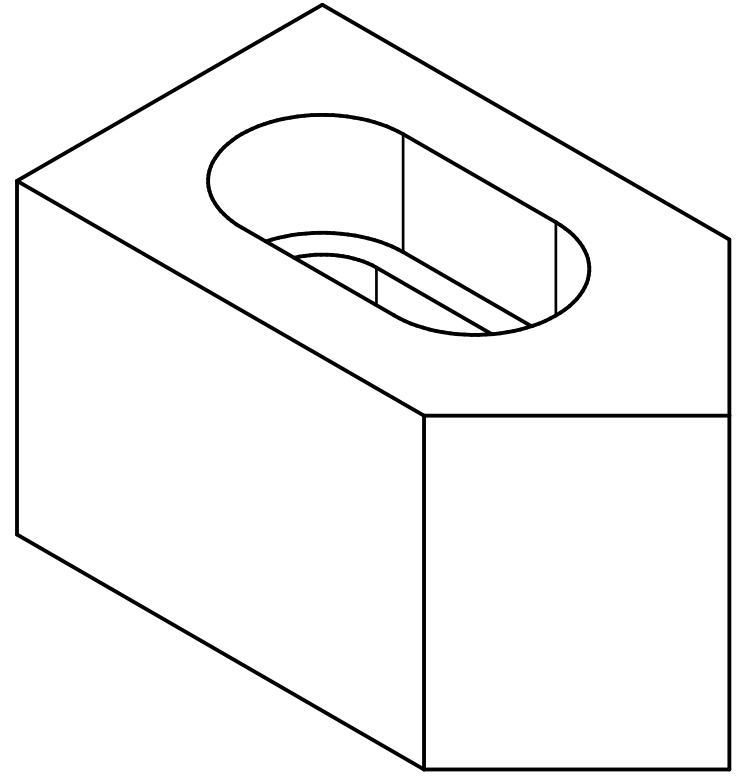
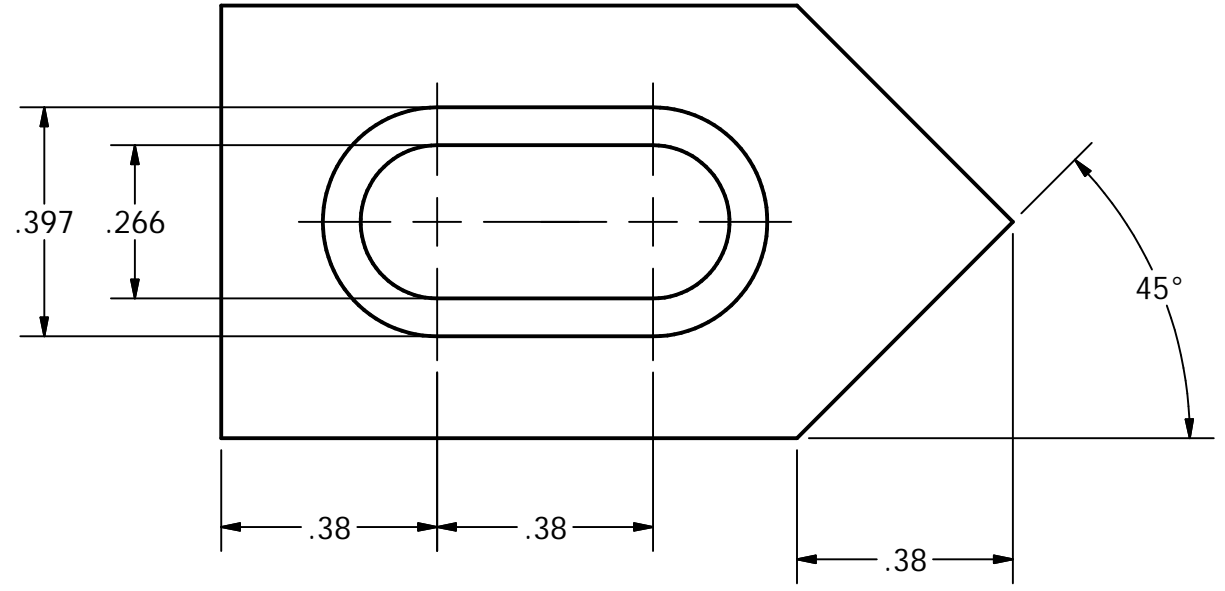


DRAWN JASON MOORE	4/26/2008	UNIVERSITY OF CALIFORNIA, DAVIS		
CHECKED		TITLE		
		LEVELER CLAMP TOP		
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED:		SIZE B	DWG NO CS-033	REV 1
X.X = ±0.1	X/X = ±1/32	SCALE 3:1		SHEET 35 OF 36
X.XX = ±0.03	X° = ±1°			
X.XXX = ±0.005	X.X° = ±.5°			
X.XXXX = ±0.0005	X.XX° = ±.05°			

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Parts List				
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	3	CS-034	LEVELER LOCK	ALUMINUM 6061-T6



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CHECKED				TITLE	
				LEVELER LOCK	
DIMENSIONS ARE IN INCHES AND DEGREES TOLERANCES UNLESS OTHERWISE SPECIFIED:					
X.X	= ±0.1	X/X	= ±1/32	SIZE	DWG NO
X.XX	= ±0.03	X°	= ±1°	B	CS-034
X.XXX	= ±0.005	X.X°	= ±.5°	SCALE 3:1	REV
X.XXXX	= ±0.0005	X.XX°	= ±.05°		1
				SHEET 36 OF 36	

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