

- NOTES:
- 1. 02 SETS INTO 01.
  - 2. 03 SETS INTO 02.
  - 3. 04 SETS INTO 03.
  - 4. 91375A628 SCREWS INTO 04 X4.
  - 5. 10 THRU 03 X2.
  - 6. 94105A610 SCREWS INTO 03 X2.
  - 7. 08 INTO 02 X2.
  - 8. 08 INTO 03 X2.
  - 9. 91794A539 SCREWS THRU 06 INTO 01 X2.
  - 10. 91794A539 SCREWS THRU 05 INTO 02 X2.
  - 11. 07 FITS OVER 08 X4.
  - 12. 88565K1 FITS INTO 07 AND 08 X4.
  - 13. 88565K1 FITS INTO 05 AND 06 X12.

REVISIONS			
ZONE:	REV:	DESCRIPTION:	DATE:
	X	INITIAL RELEASE - PE	05/11/19

91794A539	FILLISTER CAP SCREW	AISI 321 Annealed Stainless Steel (SS)	8
88565K1	DRILL ROD Ø.125 X .187	AISI Type A2 Tool Steel	4
88565K1	DRILL ROD Ø.125 X .75	AISI Type A2 Tool Steel	12
91375A628	HEX SOCKET .375-16	Alloy Steel (SS)	4
94105A610	FLAT SET SCREW	Alloy Steel	2
10	BRASS ROD Ø.312X .437	Brass	2
08	.312CRS, Ø.3120 X 1.281	AISI 1020 Steel, Cold Rolled	4
07	CRS, 1.5 X .125 X .312	AISI 1020 Steel, Cold Rolled	4
06	CRS, 3.5 X .562 X .5	AISI 1020 Steel, Cold Rolled	1
05	CRS, 3.5 X .562 X .5	AISI 1020 Steel, Cold Rolled	3
04	CRS, Ø3.440 X 2.874	AISI 1020 Steel, Cold Rolled	1
03	CRS, 3.5 X 3.498 X 1.132	AISI 1020 Steel, Cold Rolled	1
02	CRS, 1.694 X 3.5 X 3.5	AISI 1020 Steel, Cold Rolled	1
01	CI, 6.5 X 3.375 X 1	Gray Cast Iron	1
PartNo	DESCRIPTION	MATERIAL	QTY.

UNLESS OTHERWISE SPECIFIED:

DO NOT SCALE DRAWING

DIMENSIONS ARE IN INCHES

TOLERANCES:

- FRACTIONAL: ±
- ANGULAR: MACH ± BEND ±
- TWO PLACE DECIMAL: ±
- THREE PLACE DECIMAL: ±

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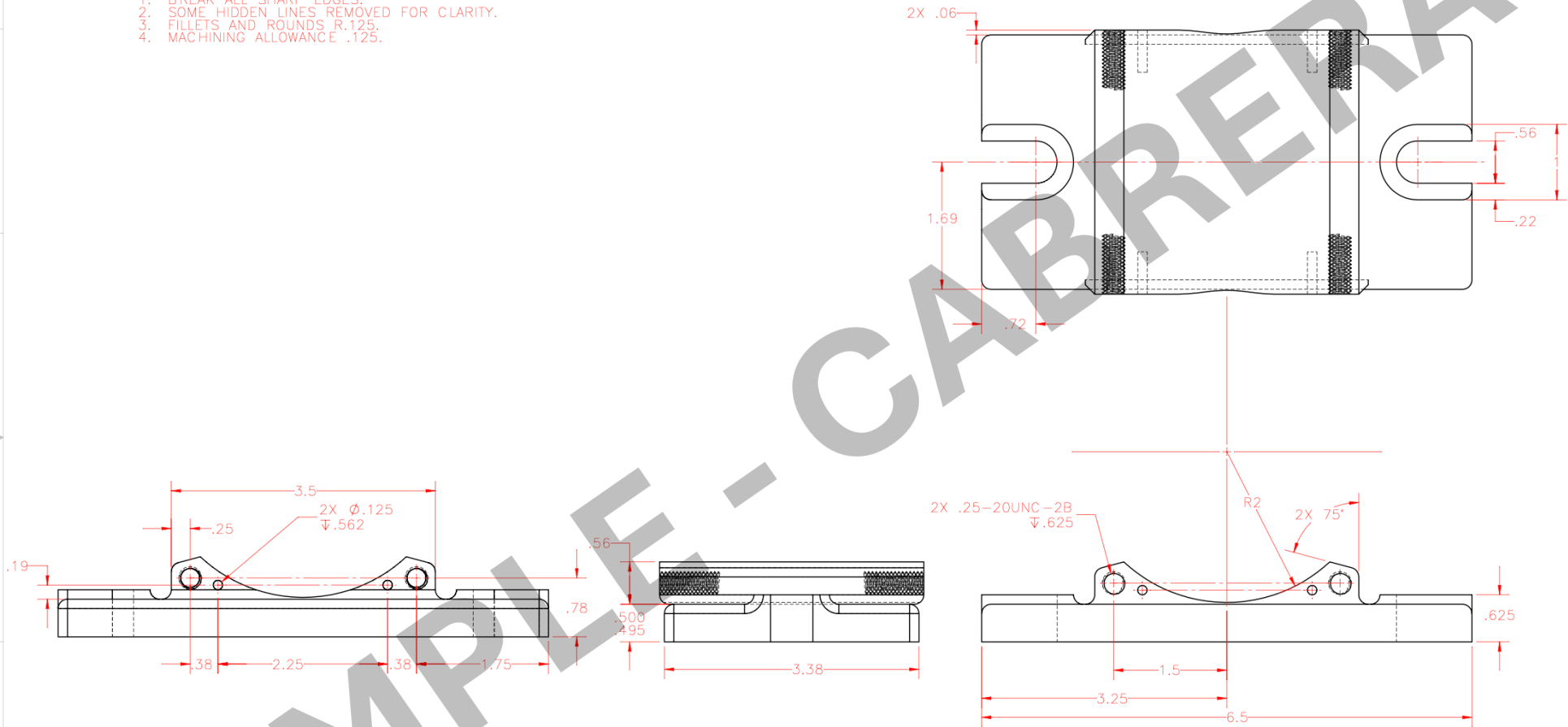
Southwestern Illinois College  
2500 Carlyle Ave  
Belleville, IL 62234

TITLE:  
**ANY ANGLE ASSY.**

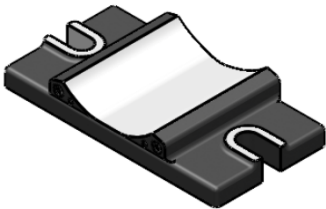
SIZE	DWG. NO.	REV
C	14-60-00	X
1:1	PHIL EASTON	SHEET 1 OF 11

REVISIONS			DATE:
ZONE:	REV:	DESCRIPTION:	
	X	INITIAL RELEASE - PE	05/08/19

- NOTES:
1. BREAK ALL SHARP EDGES.
  2. SOME HIDDEN LINES REMOVED FOR CLARITY.
  3. FILLETS AND ROUNDS R.125.
  4. MACHINING ALLOWANCE .125.



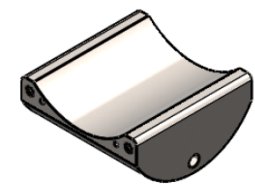
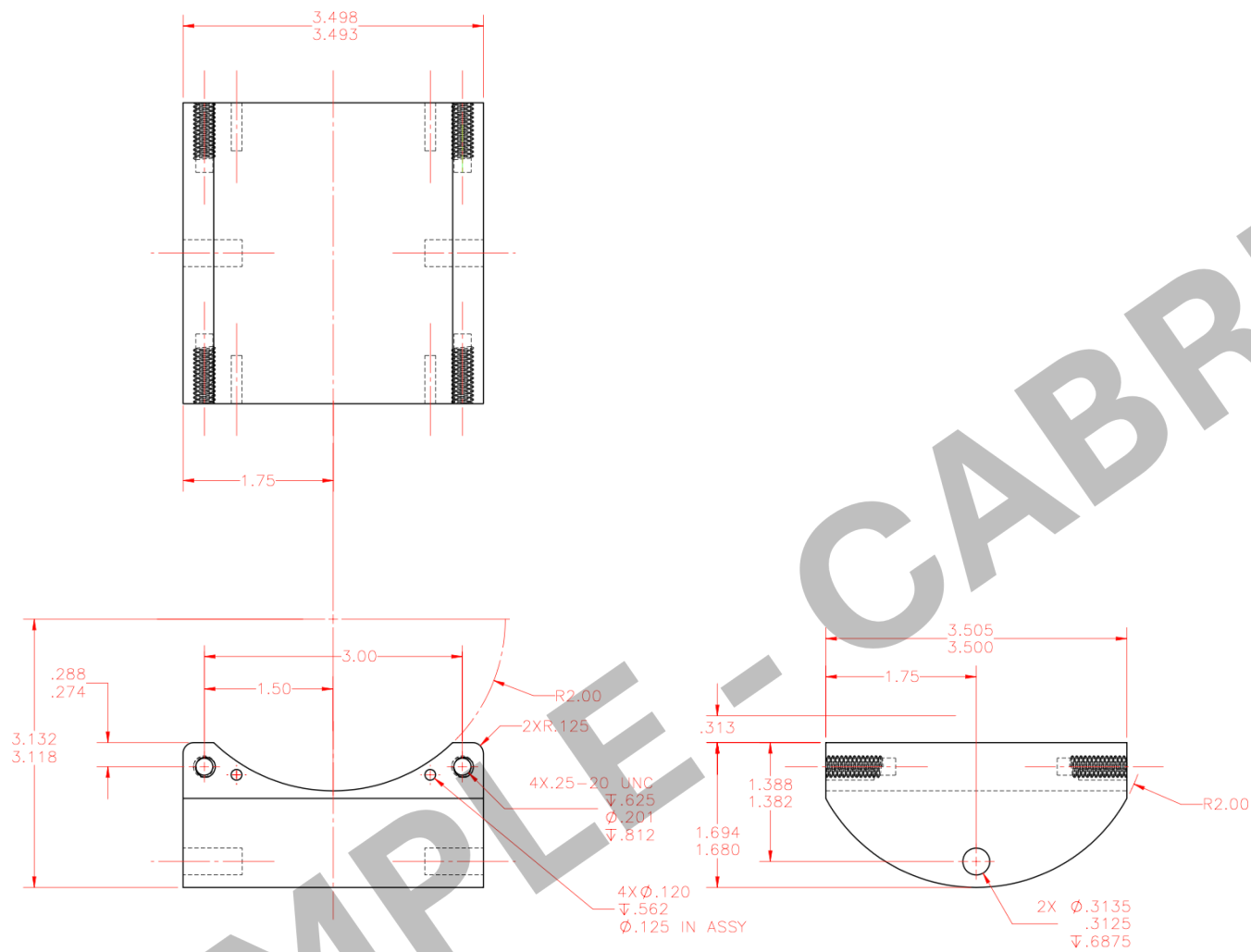
MATERIAL: C1, 6.5 X 3.38 X 1  
FINISH: NONE



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DO NOT SCALE DRAWING			TITLE: <b>SADDLE</b>	
DIMENSIONS ARE IN INCHES			SIZE DWG. NO.	
TOLERANCES:			C 14-60-01	
FRACTIONAL ±			1:1 PHIL EASTON	
ANGULAR: MACH ±			REV	
BEND ±			X	
TWO PLACE DECIMAL ±			SHEET 1 OF 1	
THREE PLACE DECIMAL ±				
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REVISIONS		
ZONE:	REV:	DESCRIPTION:
	X	INITIAL RELEASE - SS
		DATE:
		5/10/19

- NOTES:
1. BREAK ALL SHARP EDGES.
  2. SOME HIDDEN LINES REMOVED FOR CLARITY.
  3. Ø.125 DRILLED IN ASSEMBLY.

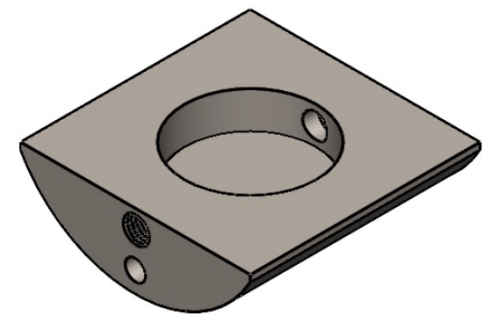
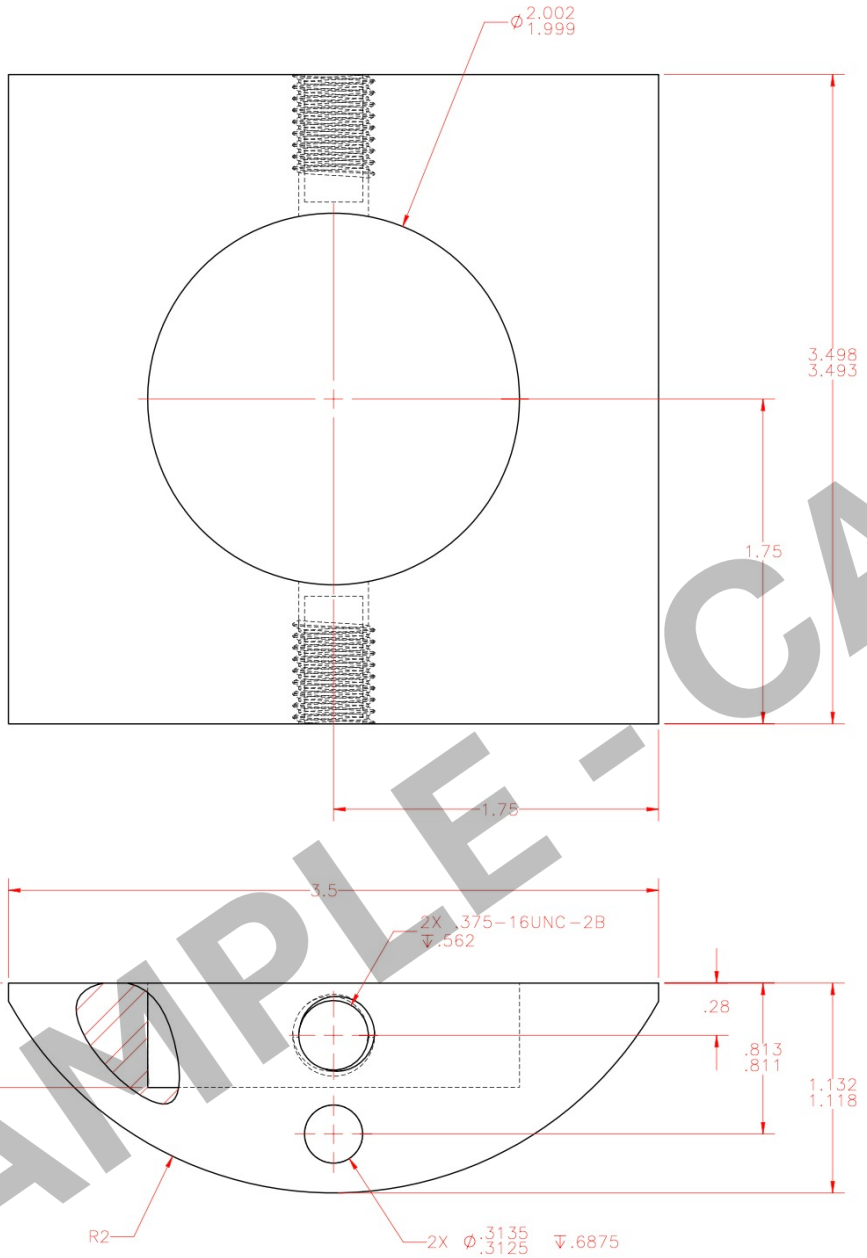


MATERIAL: CRS 3.75 X 3.5 X 2  
FINISH: NONE

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DO NOT SCALE DRAWING		2500 Carlyle Ave	
DIMENSIONS ARE IN INCHES		Belleville, IL 62234	
TOLERANCES:		TITLE: COMPOUND CENTER MEMBER	
FRACTIONAL ±		SIZE DWG. NO. 13-60-02	
ANGULAR: MACH ± BEND ±		REV X	
TWO PLACE DECIMAL ±.06		1:1 CRIS CABRERA SHEET 3 OF 11	
THREE PLACE DECIMAL ±.005			
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REVISIONS			
ZONE:	REV:	DESCRIPTION:	DATE:
	X	INITIAL RELEASE - PE	05/09/19

NOTES:  
 1. BREAK ALL SHARP EDGES.  
 2. SOME HIDDEN LINES REMOVED FOR CLARITY.

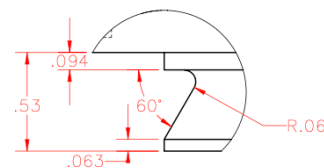
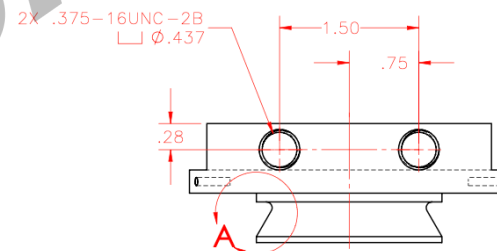
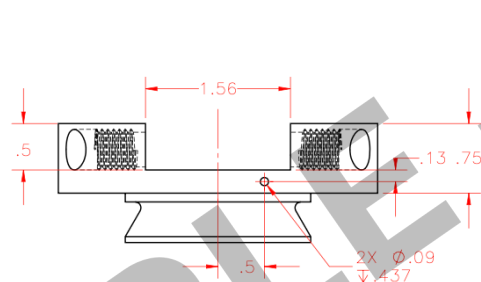
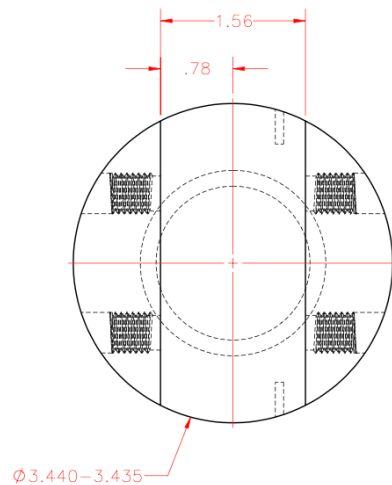


MATERIAL: CRS, 3.5 X 3.498 X 1.13  
 FINISH: NONE

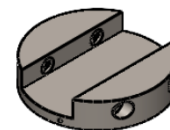
UNLESS OTHERWISE SPECIFIED:		Southwestern Illinois College 2500 Carlyle Ave Belleville, IL 62234	
DO NOT SCALE DRAWING		TITLE:	
DIMENSIONS ARE IN INCHES		UPPER COMP. MEM.	
TOLERANCES:		SIZE DWG. NO.	
FRACTIONAL: $\pm$		C 14-60-03	
ANGULAR: MACH: $\pm$ BEND: $\pm$		REV	
TWO PLACE DECIMAL: $\pm$		X	
THREE PLACE DECIMAL: $\pm$		2:1 PHIL EASTON SHEET 1 OF 1	
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REVISIONS			
ZONE:	REV:	DESCRIPTION:	DATE:
	X	INITIAL RELEASE - PE	05/09/19

NOTES:  
 1. BREAK ALL SHARP EDGES.  
 2. SOME HIDDEN LINES REMOVED FOR CLARITY.



DETAIL A  
 SCALE 2 : 1

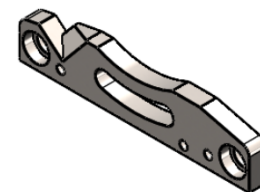
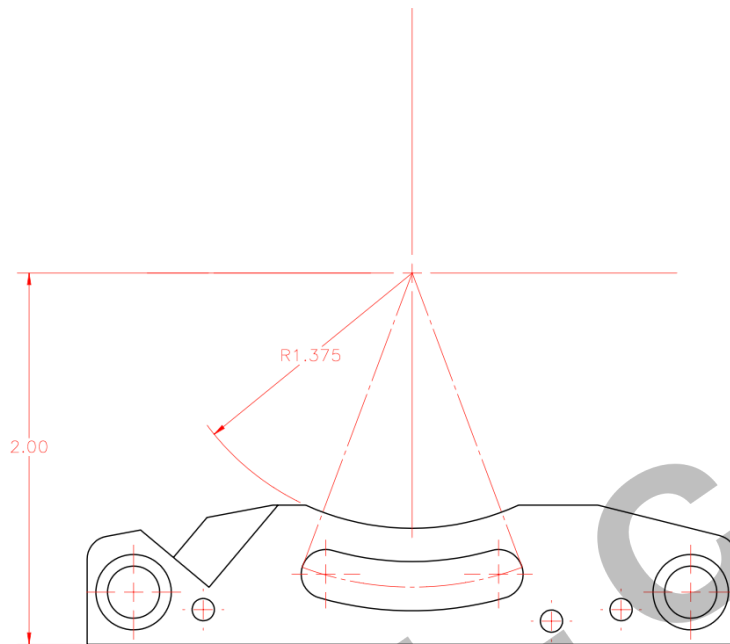


MATERIAL: CRS, Ø3.440 X 2.874  
 FINISH: NONE

UNLESS OTHERWISE SPECIFIED: DO NOT SCALE DRAWING DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ± DECIMAL: ± ANGULAR: MACH ± BEND ± THREE PLACE DECIMAL: ±		Southwestern Illinois College 2500 Carlyle Ave Belleville, IL 62234	
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SIZE <b>C</b>	DWG. NO. 14-60-04	REV X	
1:1	PHIL EASTON	SHEET 1 OF 1	

REVISIONS		
ZONE:	REV:	DESCRIPTION:
	X	INITIAL RELEASE - SS
		DATE:
		5/2/2019

- NOTES:
1. BREAK ALL SHARP EDGES.
  2. SOME HIDDEN LINES REMOVED FOR CLARITY.
  3. SEE DRAWING 13-60-06 FOR OTHER DIMENSIONS.

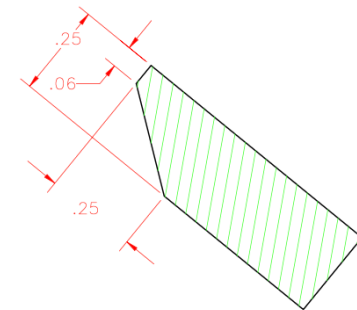
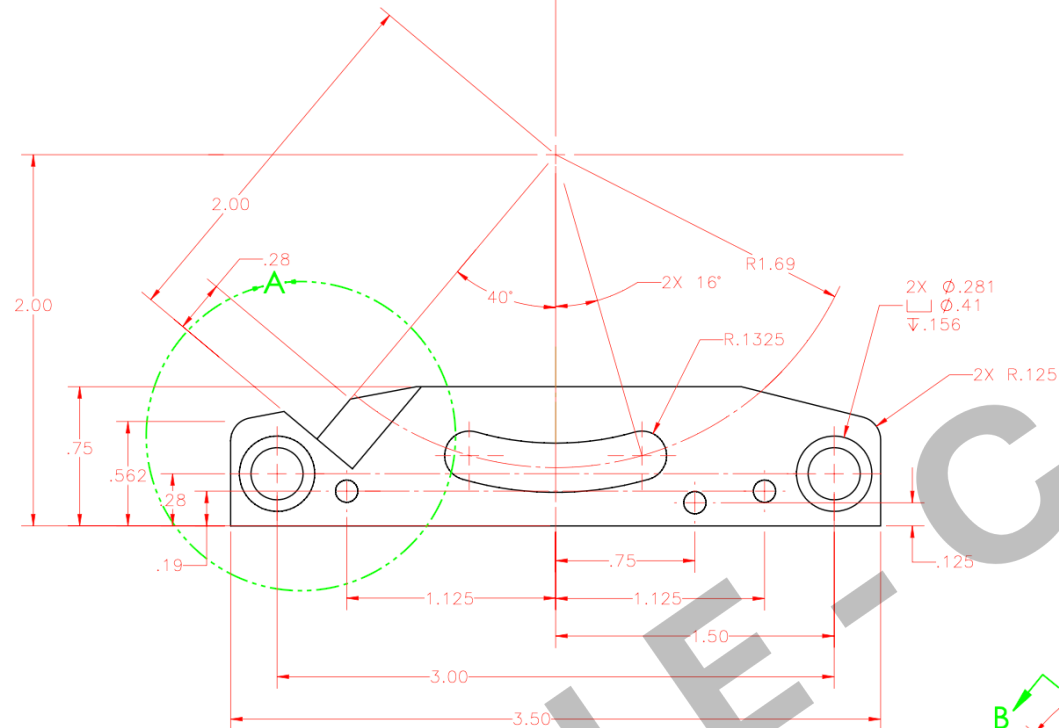


MATERIAL: CRS 3.75 X 1 X .3  
FINISH: NONE

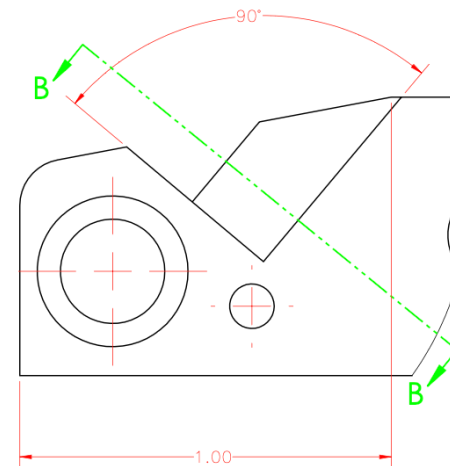
UNLESS OTHERWISE SPECIFIED:		Southwestern Illinois College 2500 Carlyle Ave Belleville, IL 62234	
DO NOT SCALE DRAWING		TITLE:	
DIMENSIONS ARE IN INCHES		UPPER PLATE	
TOLERANCES:		SIZE DWG. NO.	
FRACTIONAL ±		C 13-60-05	
ANGULAR: MACH ± BEND ±		REV	
TWO PLACE DECIMAL ±.06		X	
THREE PLACE DECIMAL ±.005		2:1 CRIS CABRERA SHEET 6 OF 11	
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REVISIONS			
ZONE:	REV:	DESCRIPTION:	DATE:
	X	INITIAL RELEASE - SS	5/2/2019

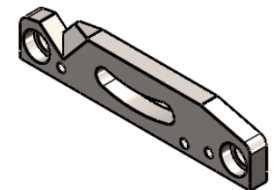
NOTES:  
 1. BREAK ALL SHARP EDGES.  
 2. SOME HIDDEN LINES REMOVED FOR CLARITY.



SECTION B-B  
 SCALE 4 : 1



DETAIL A  
 SCALE 4 : 1



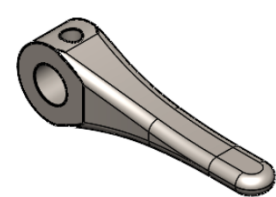
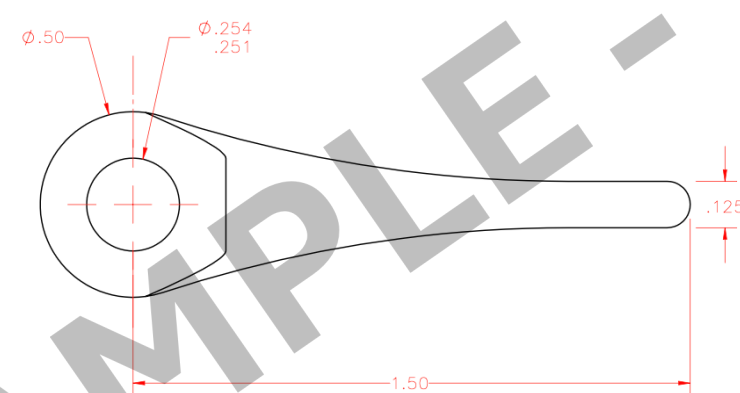
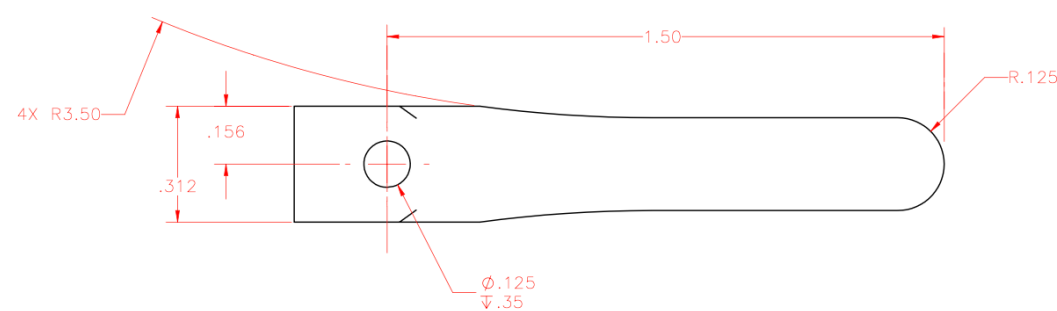
MATERIAL: CRS 3.75 X 1 X .3  
 FINISH: NONE

UNLESS OTHERWISE SPECIFIED:  
 DO NOT SCALE DRAWING  
 DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 FRACTIONAL ±  
 ANGULAR: MACH ± BEND ±  
 TWO PLACE DECIMAL ±.06  
 THREE PLACE DECIMAL ±.005  
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 Belleville, IL 62234  
 TITLE:  
**LOWER PLATE**  
 SIZE DWG. NO. REV  
**C 13-60-06 X**  
 2:1 CRIS CABRERA SHEET 7 OF 11

REVISIONS		
ZONE:	REV:	DESCRIPTION:
	X	INITIAL RELEASE - SS
		DATE:
		5/10/19

NOTES:  
1.



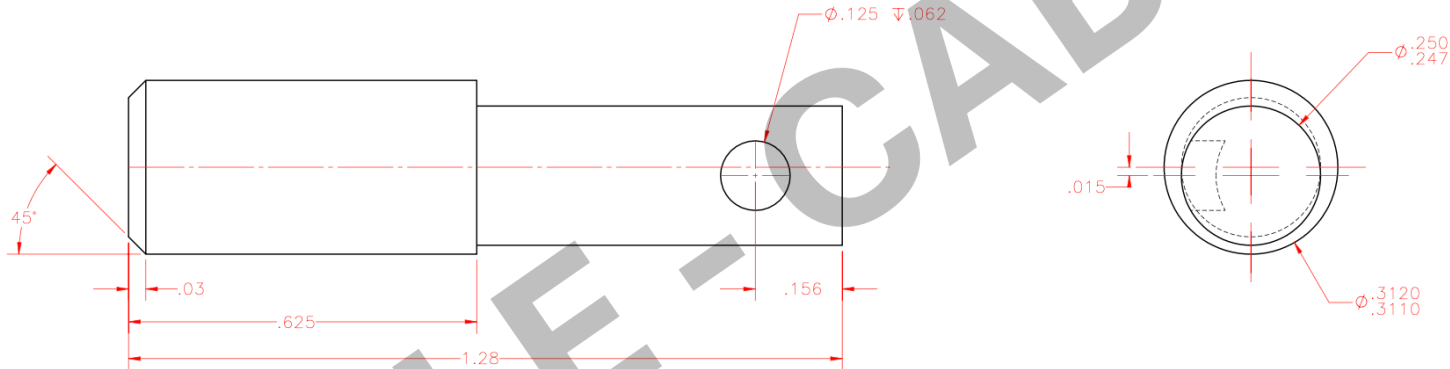
MATERIAL:  
FINISH:

UNLESS OTHERWISE SPECIFIED:		Southwestern Illinois College 2500 Carlyle Ave Belleville, IL 62234	
DO NOT SCALE DRAWING		TITLE:	
DIMENSIONS ARE IN INCHES		LOCKING HANDLE	
TOLERANCES:		SIZE DWG. NO.	
FRACTIONAL ±		C 14-60-07	
ANGULAR: MACH ± BEND ±		REV	
TWO PLACE DECIMAL ±.06		X	
THREE PLACE DECIMAL ±.005		4:1 CRIS CABRERA SHEET 8 OF 11	
PROPERTY AND CONFIDENTIAL			
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REVISIONS		
ZONE:	REV:	DESCRIPTION:
	X	INITIAL RELEASE - PE
		DATE:
		05/09/19

NOTES:  
 1. BREAK ALL SHARP EDGES.  
 2. SOME HIDDEN LINES REMOVED FOR CLARITY.



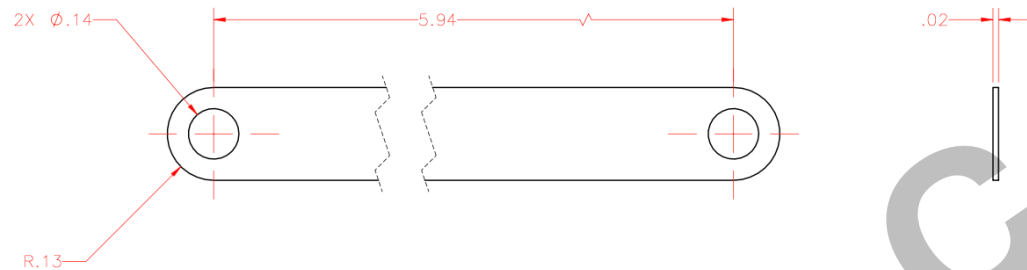
MATERIAL: .312CRS,  $\phi .3120$  X 1.281  
 FINISH: NONE

UNLESS OTHERWISE SPECIFIED:  
 DO NOT SCALE DRAWING  
 DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 FRACTIONAL  $\pm$   
 ANGULAR: MACH  $\pm$  BEND  $\pm$   
 TWO PLACE DECIMAL  $\pm$   
 THREE PLACE DECIMAL  $\pm$   
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Southwestern Illinois College 2500 Carlyle Ave Belleville, IL 62234		
TITLE: <b>ECCENTRIC</b>		
SIZE <b>C</b>	DWG. NO. 14-60-08	REV X
6:1 PHIL EASTON	SHEET 1 OF 1	

REVISIONS		
ZONE:	REV:	DESCRIPTION:
	X	INITIAL RELEASE - SS
		DATE:
		5/2/2019

NOTES:  
 1. BREAK ALL SHARP EDGES.  
 2. SOME HIDDEN LINES REMOVED FOR CLARITY.

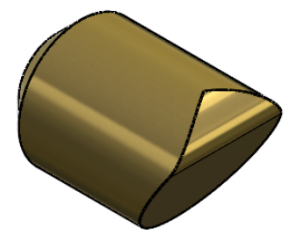
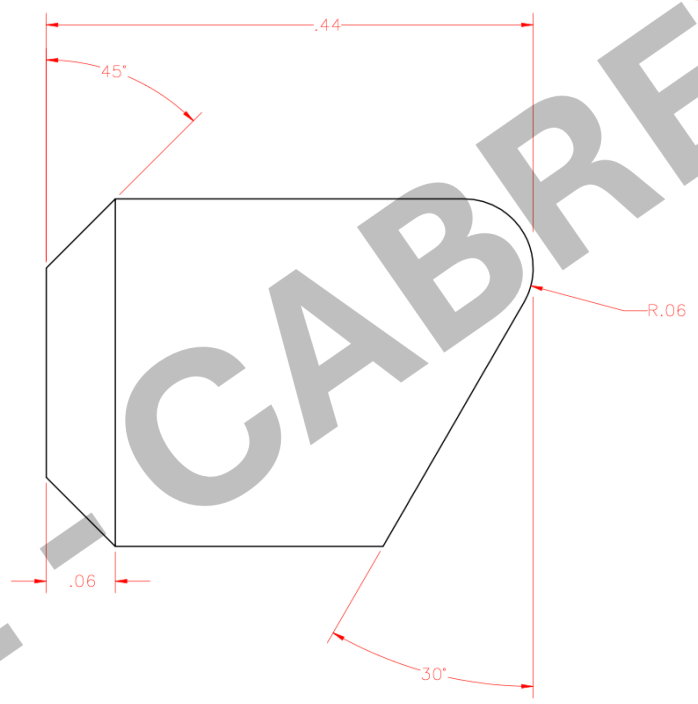
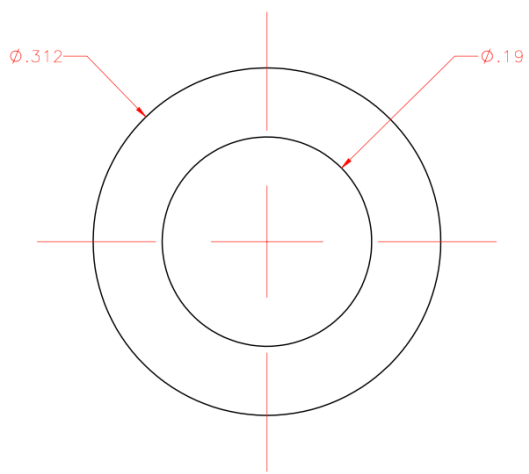


MATERIAL: AL 6.5 X .25 X .02  
 FINISH: NONE

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DO NOT SCALE DRAWING		TITLE:	
DIMENSIONS ARE IN INCHES		PROTRACTOR SCALE	
TOLERANCES:		SIZE DWG. NO.	
FRACTIONAL ±		C 13-60-09	
ANGULAR: MACH ± BEND ±		REV	
TWO PLACE DECIMAL ±.06		X	
THREE PLACE DECIMAL ±.005		4:1 CRIS CABRERA	
PROPERTY AND CONFIDENTIAL		SHEET 10 OF 11	
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REVISIONS		
ZONE:	REV:	DESCRIPTION:
	X	INITIAL RELEASE - SS
		DATE:
		5/2/2019

NOTES:  
 1. BREAK ALL SHARP EDGES.  
 2. SOME HIDDEN LINES REMOVED FOR CLARITY.



MATERIAL: BRASS  $\phi$ .312 X .44  
 FINISH: NONE

UNLESS OTHERWISE SPECIFIED:		Southwestern Illinois College 2500 Carlyle Ave Belleville, IL 62234	
DO NOT SCALE DRAWING		TITLE: <b>CLAMP PLUG</b>	
DIMENSIONS ARE IN INCHES		SIZE DWG. NO.	
TOLERANCES:		C 13-60-10	
FRACTIONAL $\pm$		REV	
ANGULAR: MACH $\pm$ BEND $\pm$		X	
TWO PLACE DECIMAL $\pm$ .06		12:1 CRIS CABRERA	
THREE PLACE DECIMAL $\pm$ .005		SHEET 11 OF 11	
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