

MACHINE VISE ASSEMBLY  
SCALE 1 / 2

PARTS LIST				
ITEM	QTY	PART NUMBER	MATERIAL	DESCRIPTION
1	1	BASE	CAST STEEL	
2	2	JAW PLATE	STAINLESS STEEL	3/16 THICK
3	1	COLLAR	STAINLESS STEEL	
4	1	SPECIAL KEY	MILD STEEL	
5	1	SLIDING JAW	CAST STEEL	
6	1	HANDLE ROD	STAINLESS STEEL	
7	2	HANDLE BALL	STAINLESS STEEL	
8	2	SLIDE KEY	STAINLESS STEEL	
9	1	WISE SCREW	STAINLESS STEEL	
10	2	SET SCREW	STAINLESS STEEL	
11	2	TAPER PIN	MILD STEEL	#000 TAPER PIN
12	4	ANSI B18.6.3 - 1/4-20 UNC x 0.75, SFCHMSI	MILD STEEL	FLAT COUNTERSUNK HEAD MACHINE SCREW

### LEGEND:

∅ DIAMETER  
R RADIUS  
° DEGREES

### GENERAL NOTES:

ROUNDS AND FILLETS R1/8 UNLESS  
OTHERWISE SPECIFIED

**DDGT**

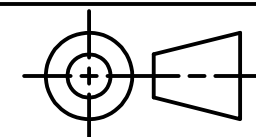
DIGITAL DESING  
GRAPHIC  
TECHNOLOGY

WWW.DDGT.NET

**M** *McCall  
Custom  
Design*  
**CD**

Connor McCall  
Designer  
(707)287-6180  
connorm.1440@gmail.com

www.ddgt.net/studentpages/cmccall



TOLERANCES UNLESS SPECIFIED:  
DECIMAL INCHES:  
X = ±.020  
XX = ±.010  
XXX = ±.005  
FRACTIONAL ±1/64"  
ANGLES ±1 DEGREE  
SURFACES  $\sqrt{32}$

COURSES: DDGT240

INVENTOR DRAWING NAME:  
MACHINE VISE

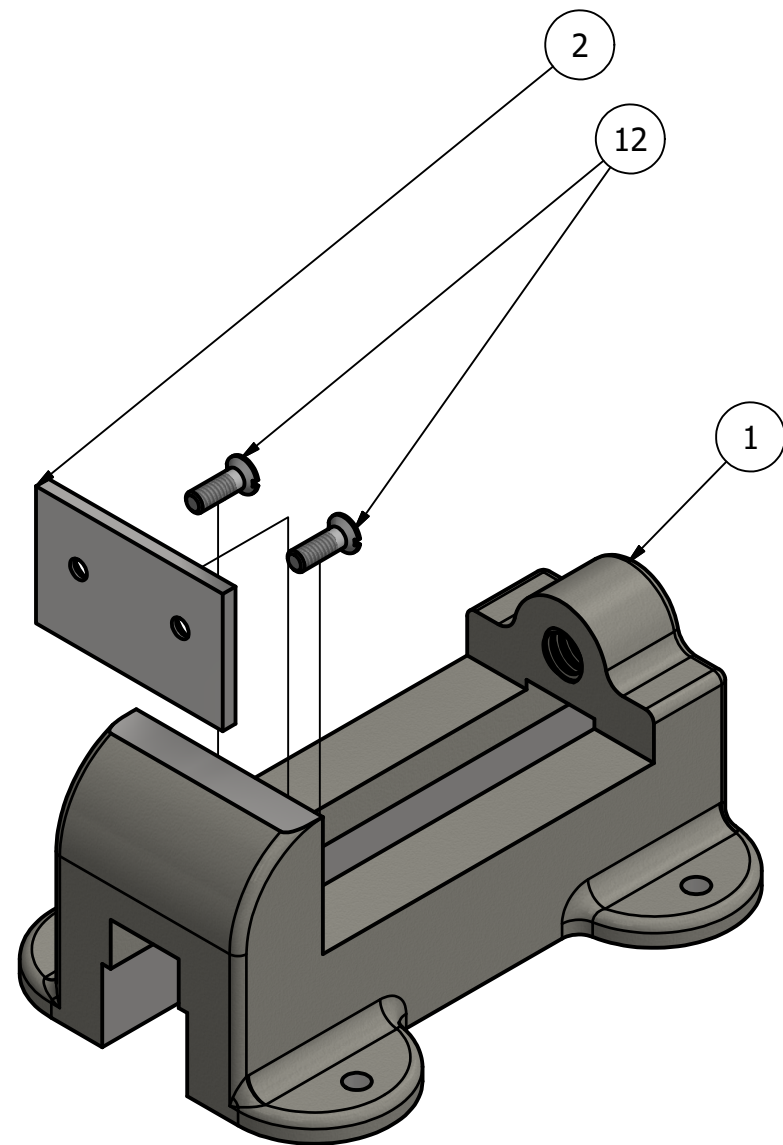
FIG #: 14-71

DRAFTER: C. MCCALL

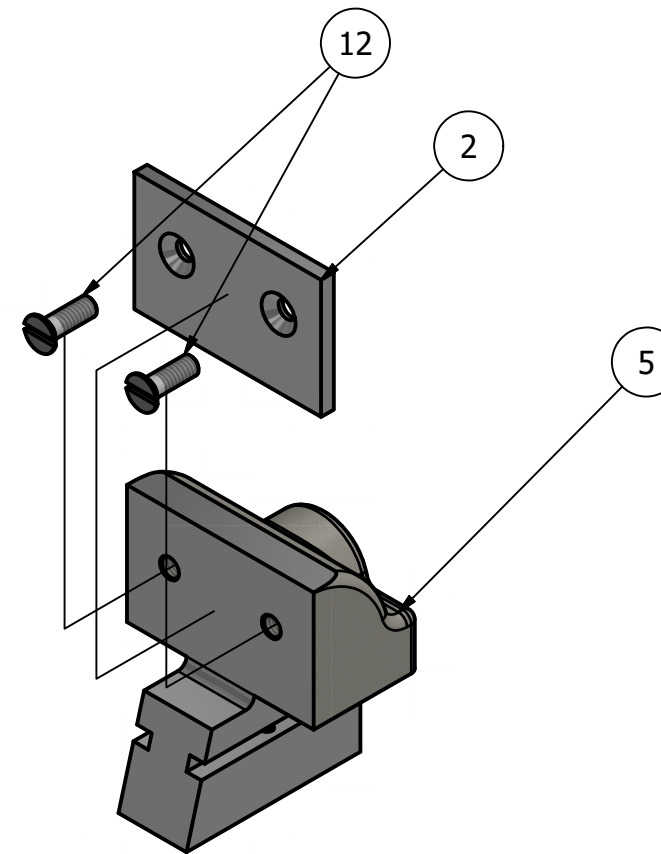
DATE: 8/21/2019

SCALE: AS NOTED

PAGE #: 1 OF 6



STEP 1  
SCALE 1 / 2



STEP 2  
SCALE 1 / 2

PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE
2	2	JAW PLATE
5	1	SLIDING JAW
12	4	ANSI B18.6.3 - 1/4-20 UNC x 0.75, SFCHMSI

**GENERAL NOTES:**  
 ROUNDS AND FILLETS R1/8 UNLESS  
 OTHERWISE SPECIFIED

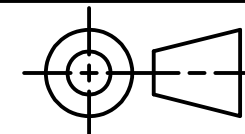


DIGITAL DESING  
 GRAPHIC  
 TECHNOLOGY

WWW.DDGT.NET



Connor McCall  
 Designer  
 (707)287-6180  
 connorm.1440@gmail.com  
 www.ddgt.net/studentpages/cmccall



TOLERANCES UNLESS SPECIFIED:  
 DECIMAL INCHES:  
 X = ±.020  
 XX = ±.010  
 XXX = ±.005  
 FRACTIONAL ±1/64"  
 ANGLES ±1 DEGREE  
 SURFACES  $\sqrt{32}$

COURSES: DDGT240

INVENTOR DRAWING NAME:  
 MACHINE VISE

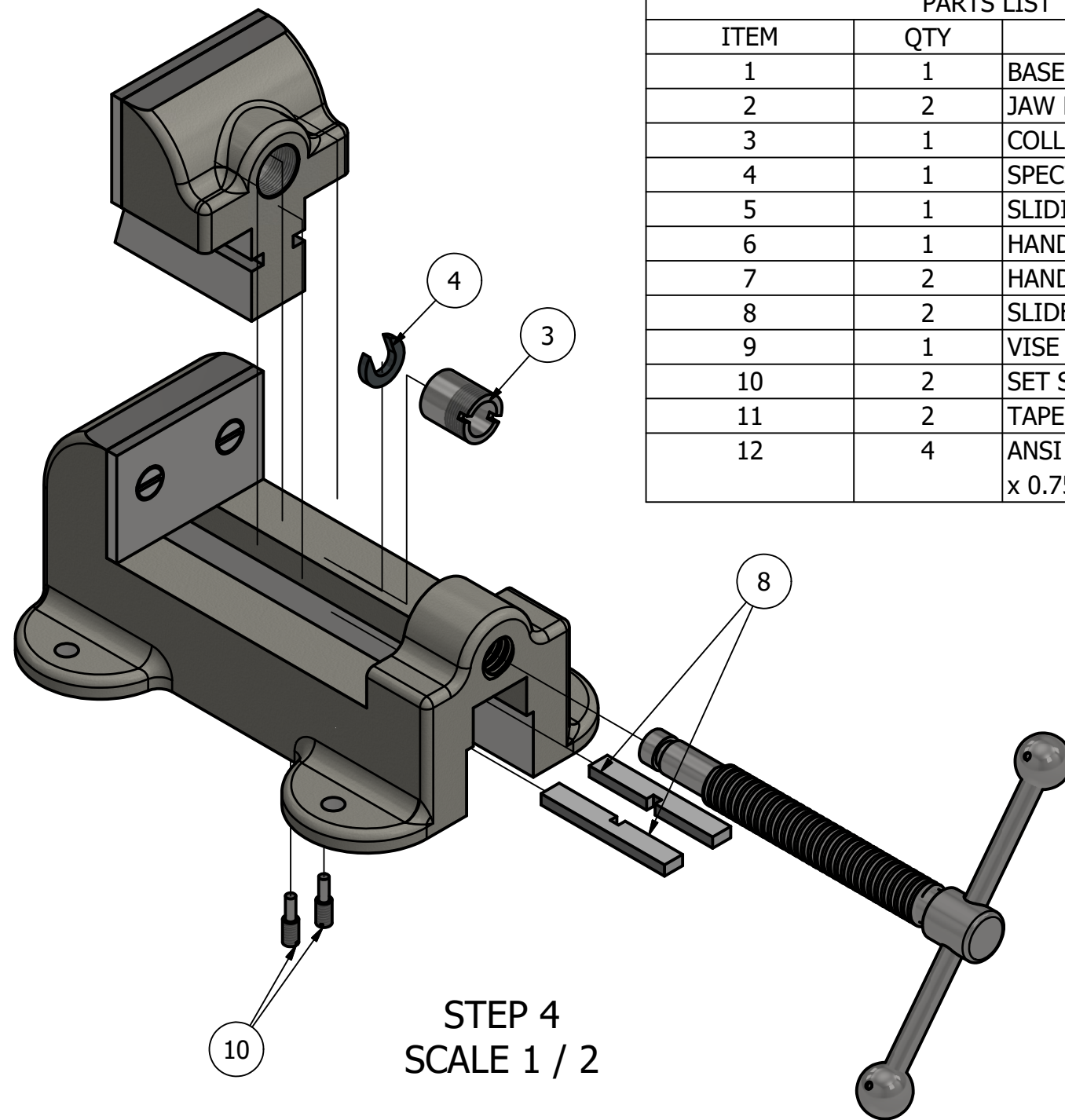
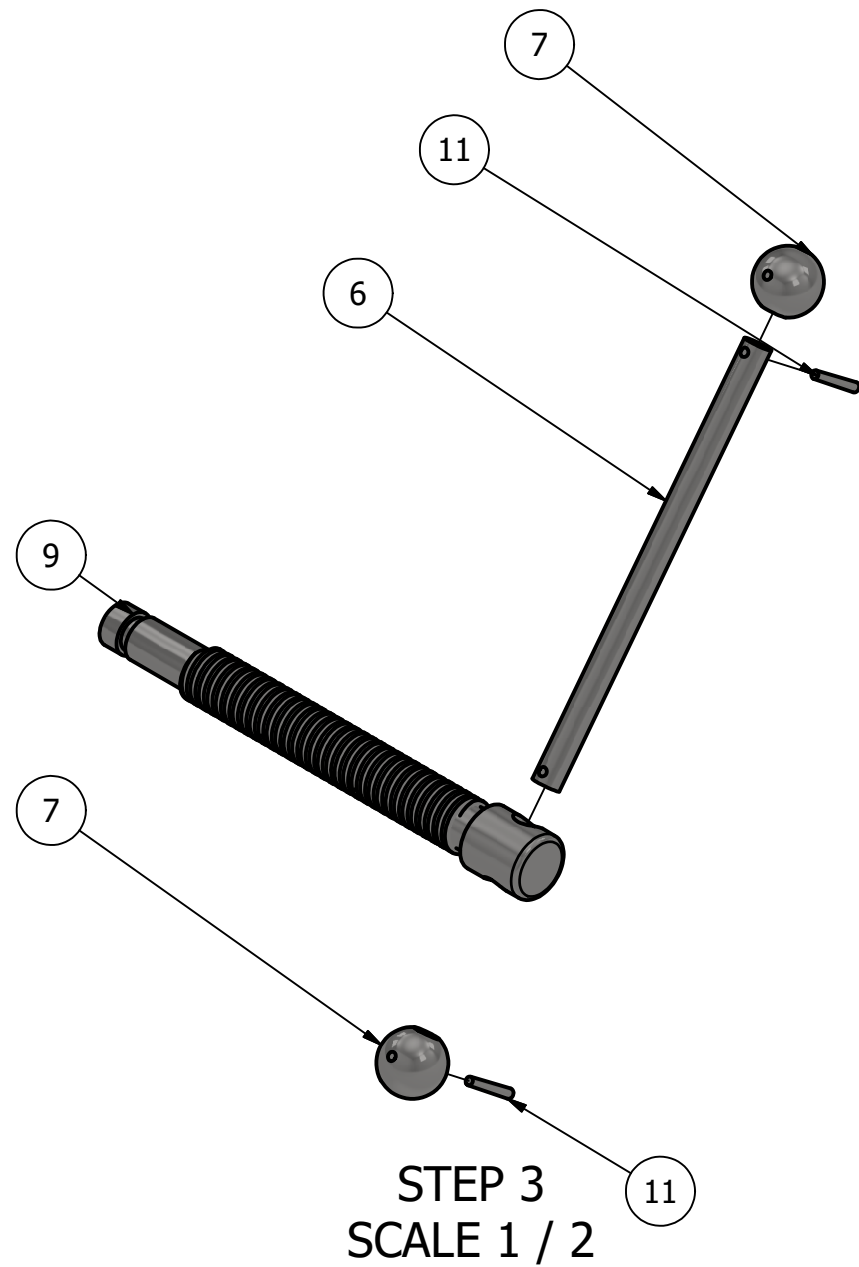
FIG #: 14-71

DRAFTER: C. MCCALL

DATE: 8/21/2019

SCALE: AS NOTED

PAGE #: 2 OF 6



PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE
2	2	JAW PLATE
3	1	COLLAR
4	1	SPECIAL KEY
5	1	SLIDING JAW
6	1	HANDLE ROD
7	2	HANDLE BALL
8	2	SLIDE KEY
9	1	WISE SCREW
10	2	SET SCREW
11	2	TAPER PIN
12	4	ANSI B18.6.3 - 1/4-20 UNC x 0.75, SFCHMSI

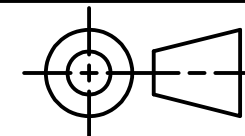
**DDGT**

DIGITAL DESING  
GRAPHIC  
TECHNOLOGY

WWW.DDGT.NET

**M** *McCall*  
*Custom*  
*Design*  
**CD**

Connor McCall  
Designer  
(707)287-6180  
connorm.1440@gmail.com  
www.ddgt.net/studentpages/cmccall



TOLERANCES UNLESS SPECIFIED:  
DECIMAL INCHES:  
X = ±.020  
XX = ±.010  
XXX = ±.005  
FRACTIONAL ±1/64"  
ANGLES ±1 DEGREE  
SURFACES  $\sqrt{32}$

COURSES: DDGT240

INVENTOR DRAWING NAME:  
MACHINE VISE

FIG #: 14-71

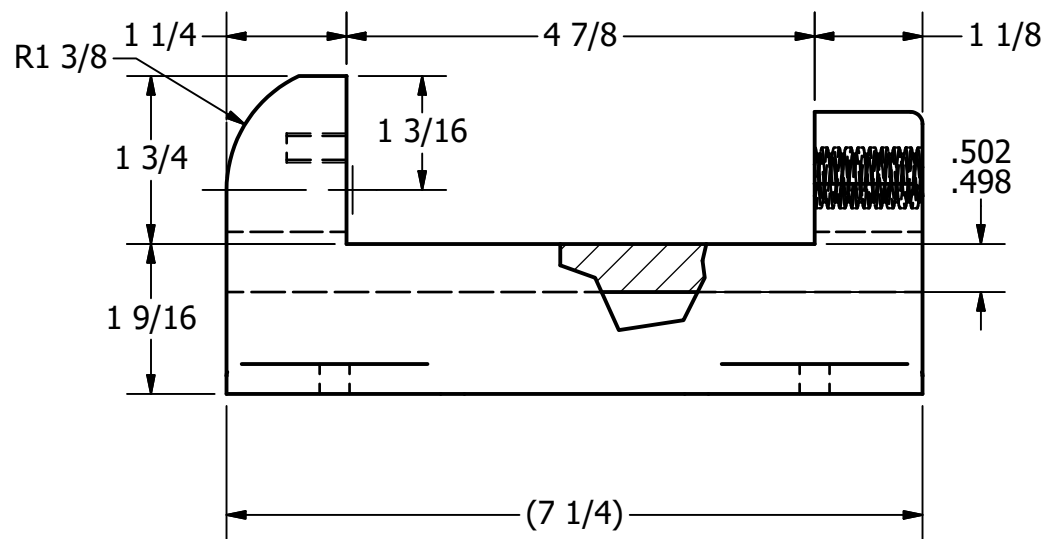
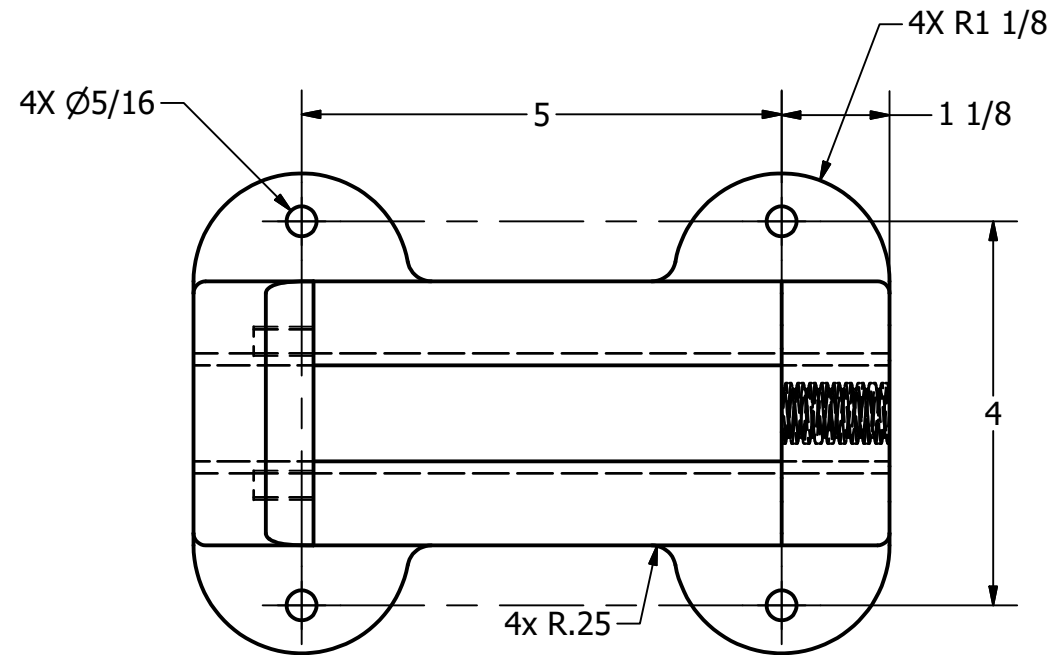
DRAFTER: C. MCCALL

DATE: 8/21/2019

SCALE: AS NOTED

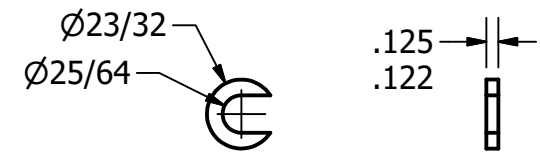
PAGE #: 3 OF 6

PARTS LIST		
ITEM	QTY	PART NUMBER
1	1	BASE
3	1	COLLAR
4	1	SPECIAL KEY
2	2	JAW PLATE
10	2	SET SCREW

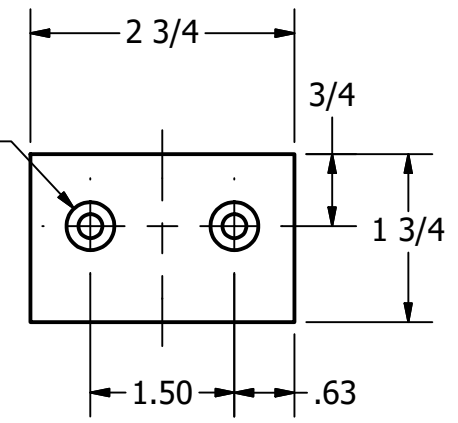
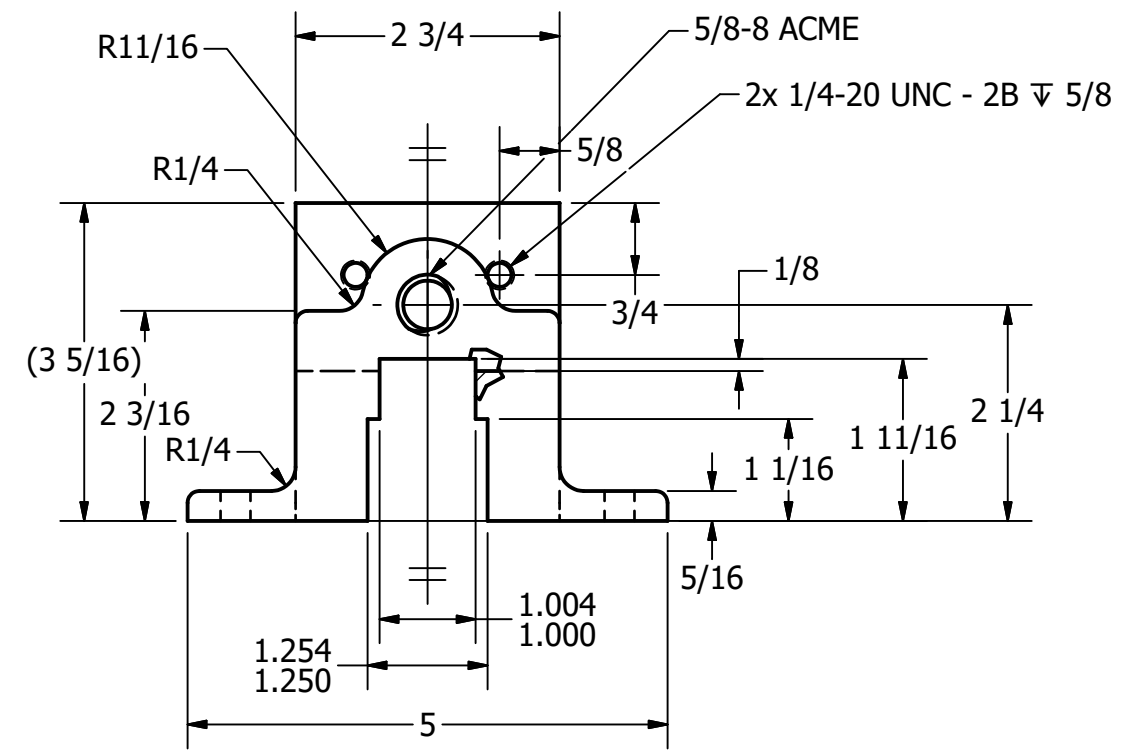


**BASE**  
SCALE 1 / 2

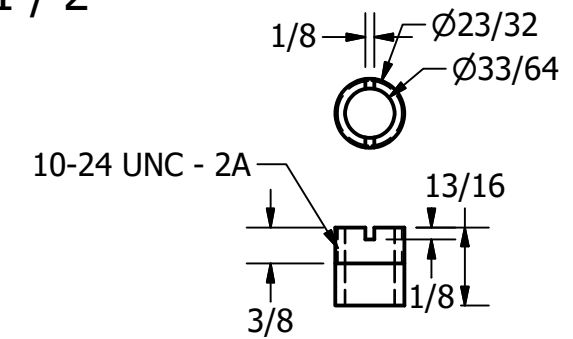
**GENERAL NOTES:**  
ROUNDS AND FILLETS R1/8 UNLESS OTHERWISE SPECIFIED



**SPECIAL KEY**  
SCALE 1 / 2



**JAW PLATE**  
SCALE 1 / 2



**COLLAR**  
SCALE 1 / 2

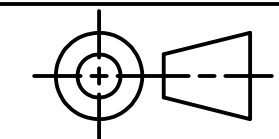


DIGITAL DESING  
GRAPHIC  
TECHNOLOGY

WWW.DDGT.NET



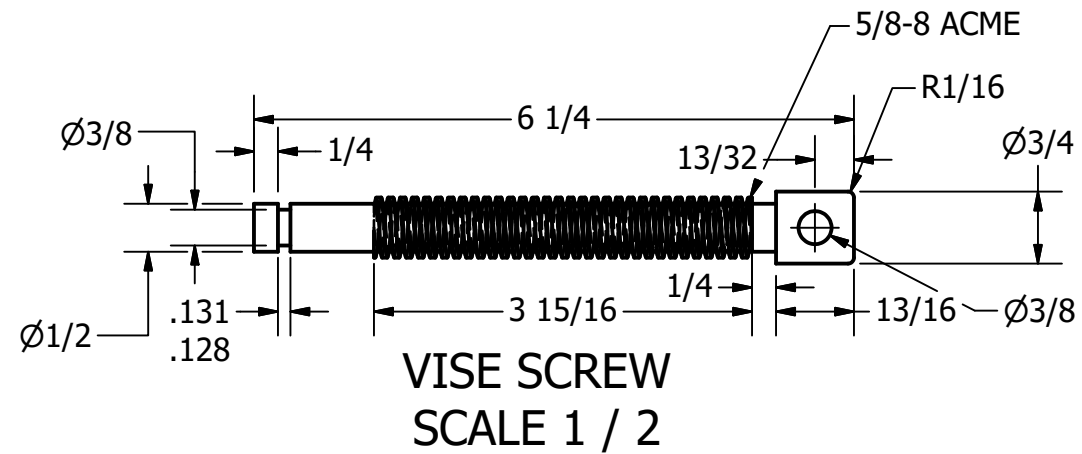
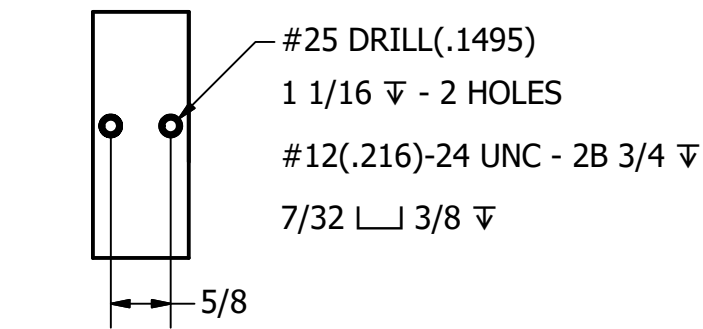
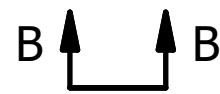
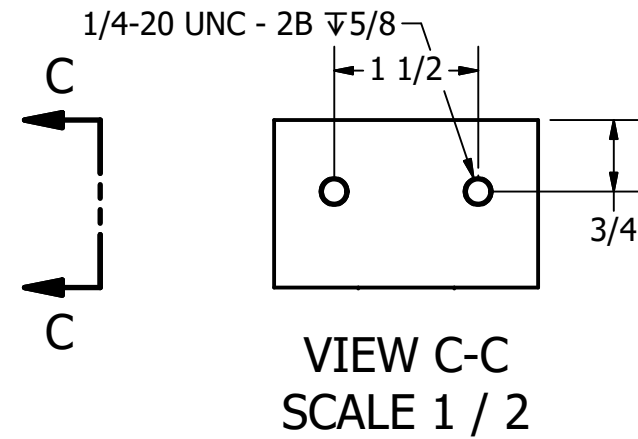
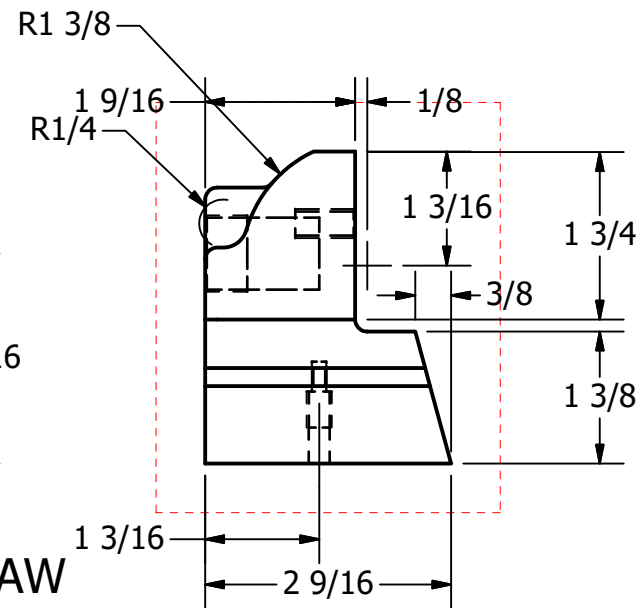
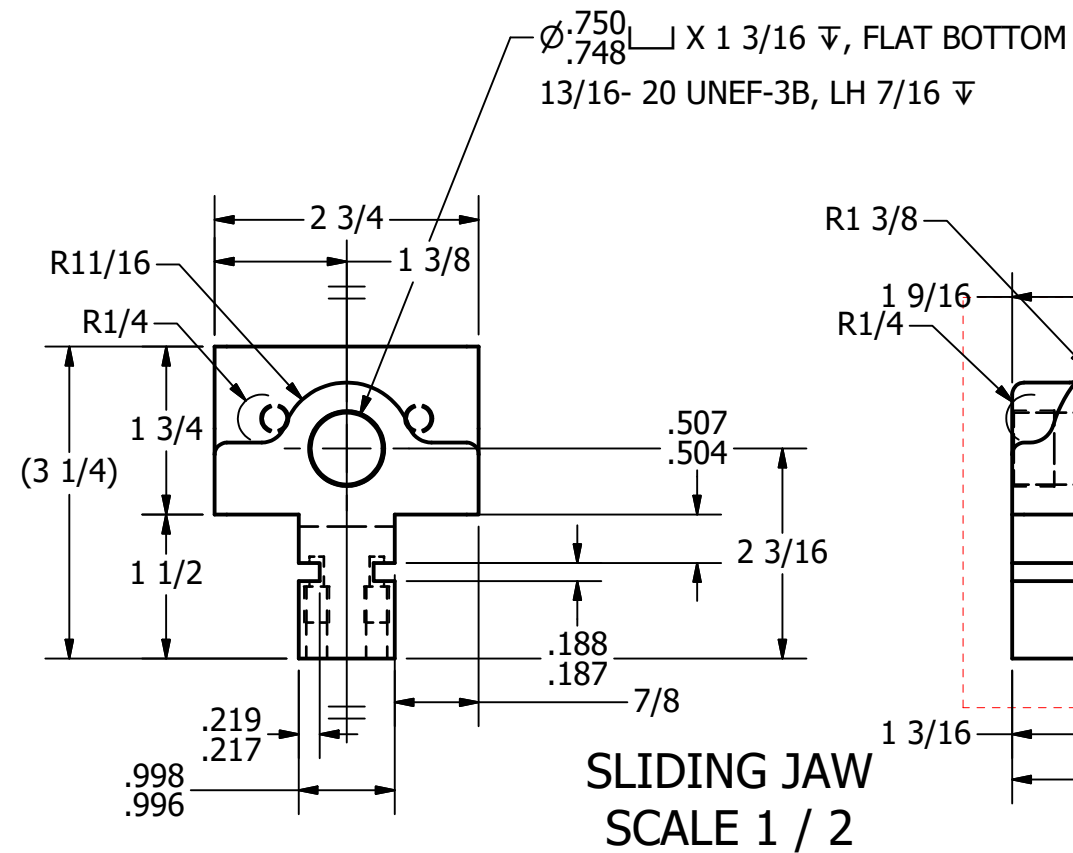
Connor McCall  
Designer  
(707)287-6180  
connorm.1440@gmail.com  
www.ddgt.net/studentpages/cmccall



TOLERANCES UNLESS SPECIFIED:  
DECIMAL INCHES:  
X = ±.020  
XX = ±.010  
XXX = ±.005  
FRACTIONAL ±1/64"  
ANGLES ±1 DEGREE  
SURFACES  $\sqrt{32}$

COURSES:	DDGT240
INVENTOR DRAWING NAME:	MACHINE VISE
FIG #:	14-71
DRAFTER:	C. MCCALL
DATE:	8/21/2019
SCALE:	AS NOTED
PAGE #:	4 OF 6

PARTS LIST		
ITEM	QTY	PART NUMBER
5	1	SLIDING JAW
10	2	SET SCREW



**GENERAL NOTES:**  
ROUNDS AND FILLETS R1/8 UNLESS OTHERWISE SPECIFIED



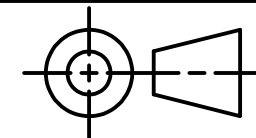
DIGITAL DESING  
GRAPHIC  
TECHNOLOGY

WWW.DDGT.NET



Connor McCall  
Designer  
(707)287-6180  
connorm.1440@gmail.com

www.ddgt.net/studentpages/cmccall



TOLERANCES UNLESS SPECIFIED:  
DECIMAL INCHES:  
X = ±.020  
XX = ±.010  
XXX = ±.005  
FRACTIONAL ±1/64"  
ANGLES ±1 DEGREE  
SURFACES  $\sqrt{32}$

COURSES: DDGT240

INVENTOR DRAWING NAME:  
MACHINE VISE

FIG #: 14-71

DRAFTER: C. MCCALL

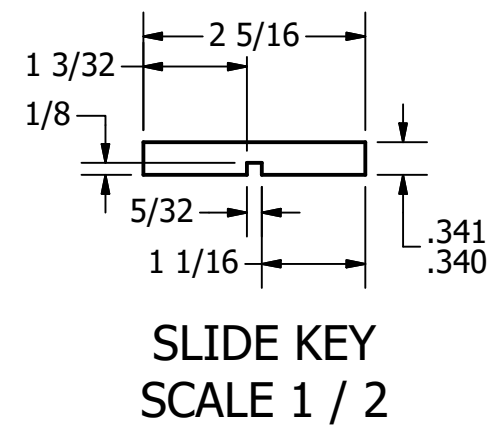
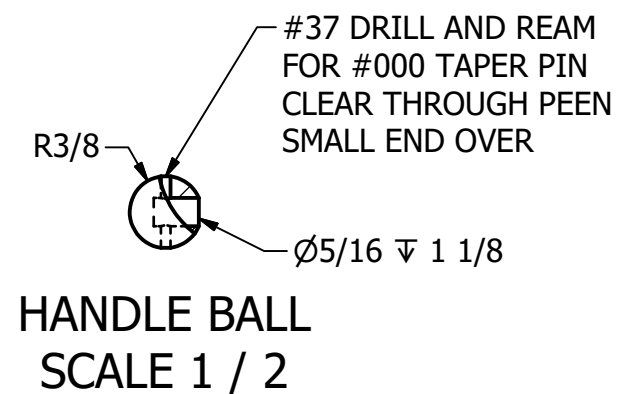
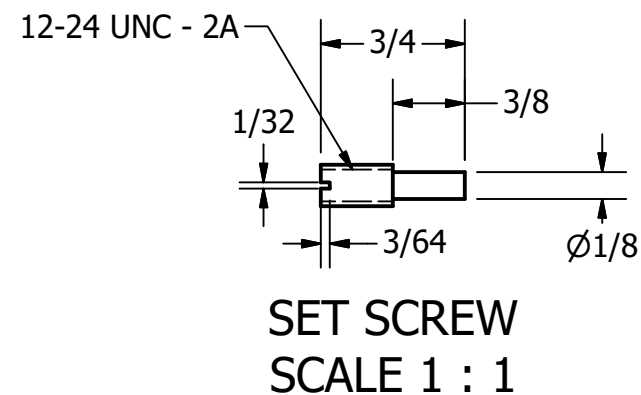
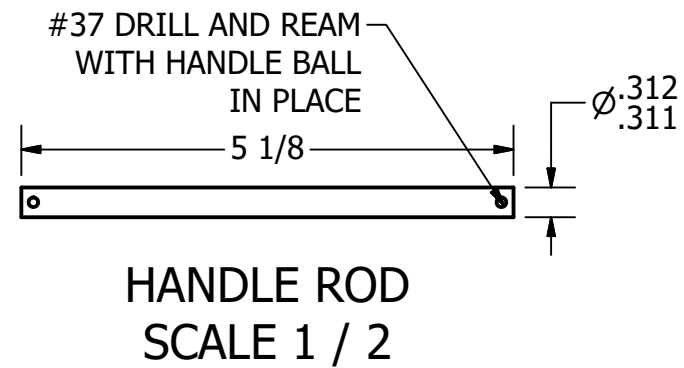
DATE: 8/21/2019

SCALE: AS NOTED

PAGE #: 5 OF 6



PARTS LIST		
ITEM	QTY	PART NUMBER
6	1	HANDLE ROD
7	2	HANDLE BALL
8	2	SLIDE KEY
10	2	SET SCREW



**DDGT**

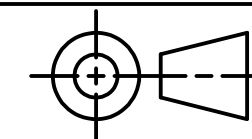
DIGITAL DESING  
GRAPHIC  
TECHNOLOGY

WWW.DDGT.NET

**M**  
*McCall  
Custom  
Design*

**CD**

Connor McCall  
Designer  
(707)287-6180  
connorm.1440@gmail.com  
www.ddgt.net/studentpages/cmccall



TOLERANCES UNLESS SPECIFIED:  
DECIMAL INCHES:  
X = ±.020  
XX = ±.010  
XXX = ±.005  
FRACTIONAL ±1/64"  
ANGLES ±1 DEGREE  
SURFACES  $\sqrt{32}$

COURSES: DDGT240

INVENTOR DRAWING NAME:  
MACHINE VISE

FIG #: 14-71

DRAFTER: C. MCCALL

DATE: 8/21/2019

SCALE: AS NOTED

PAGE #: 6 OF 6