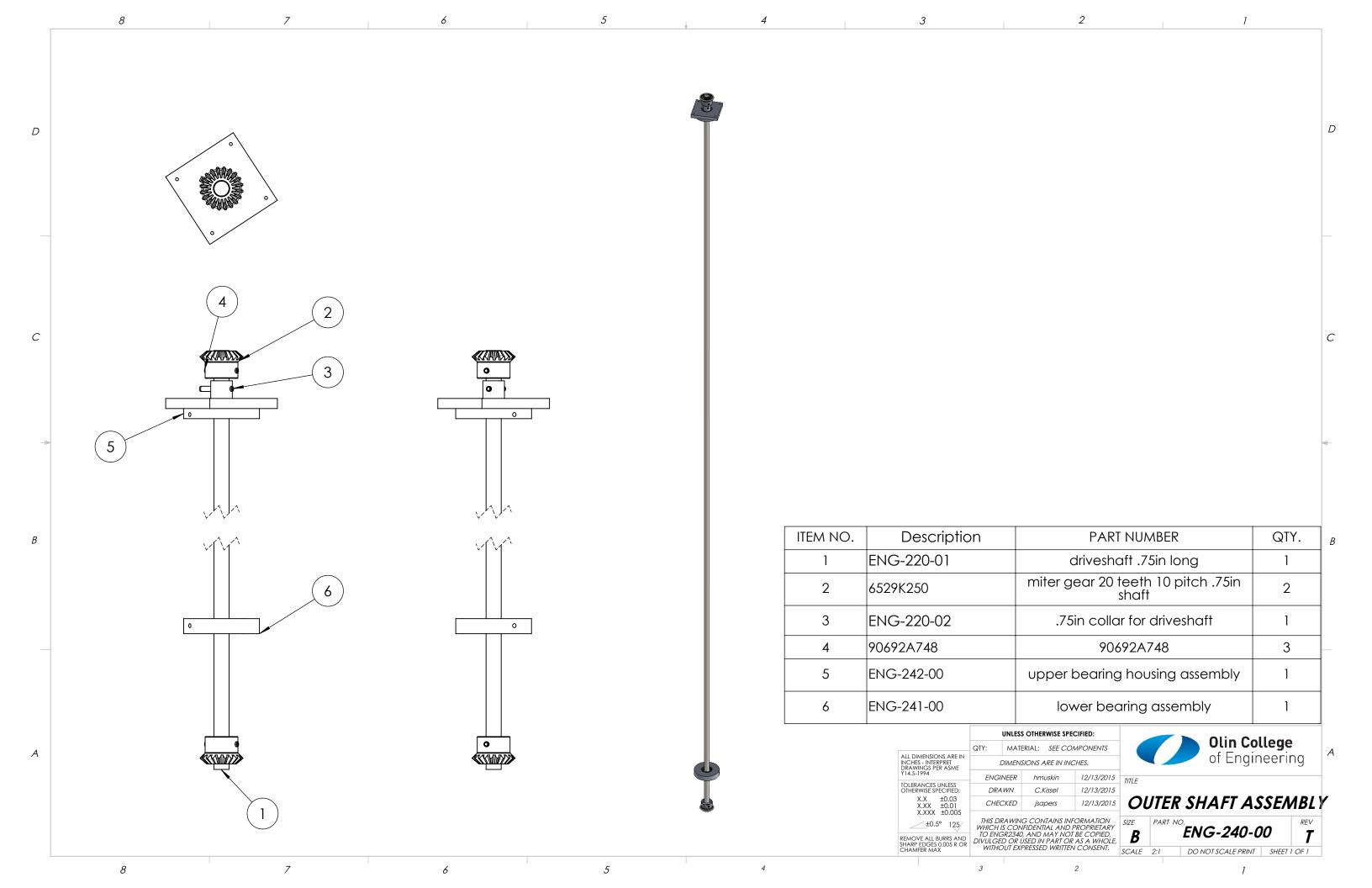
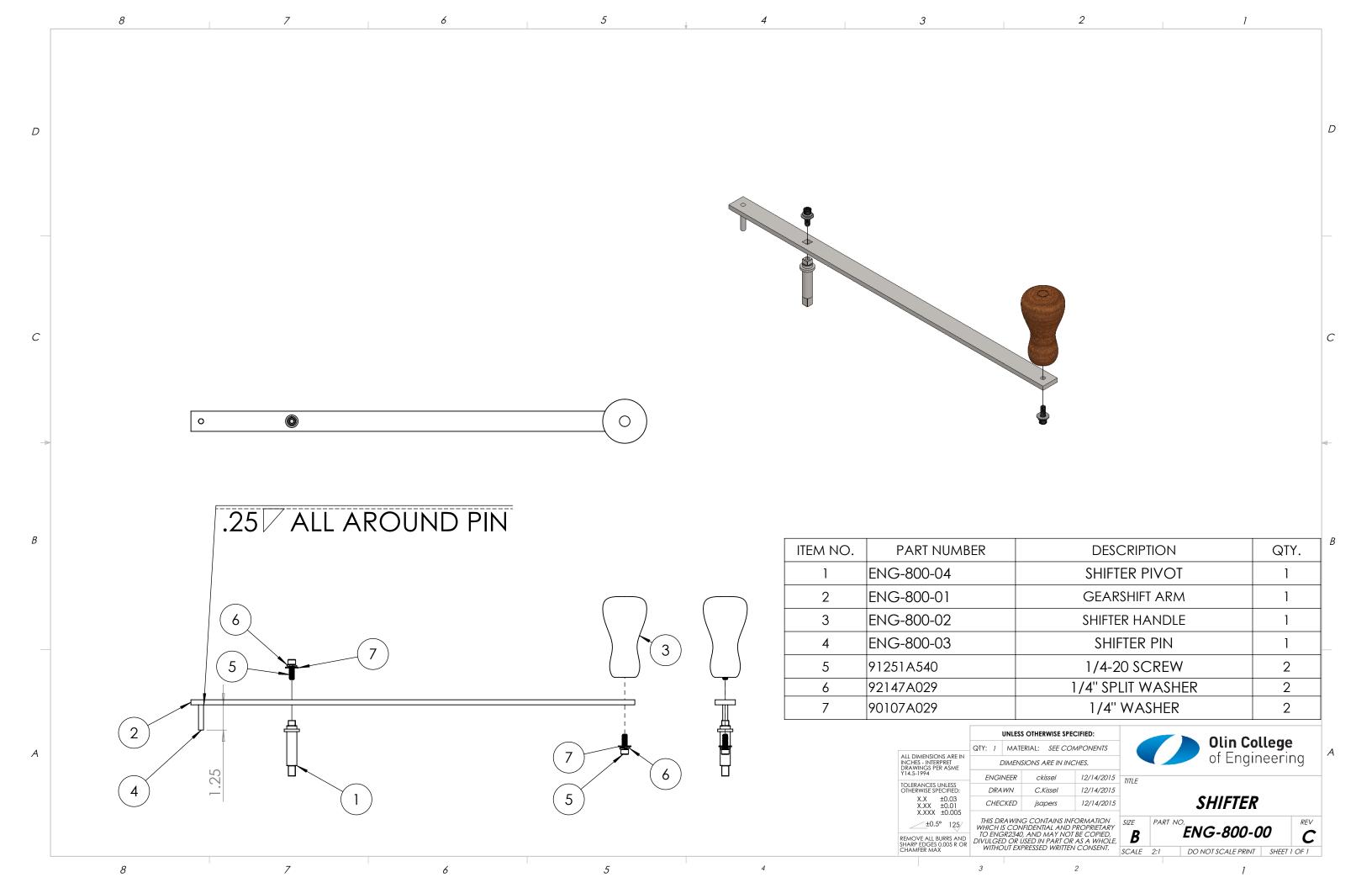
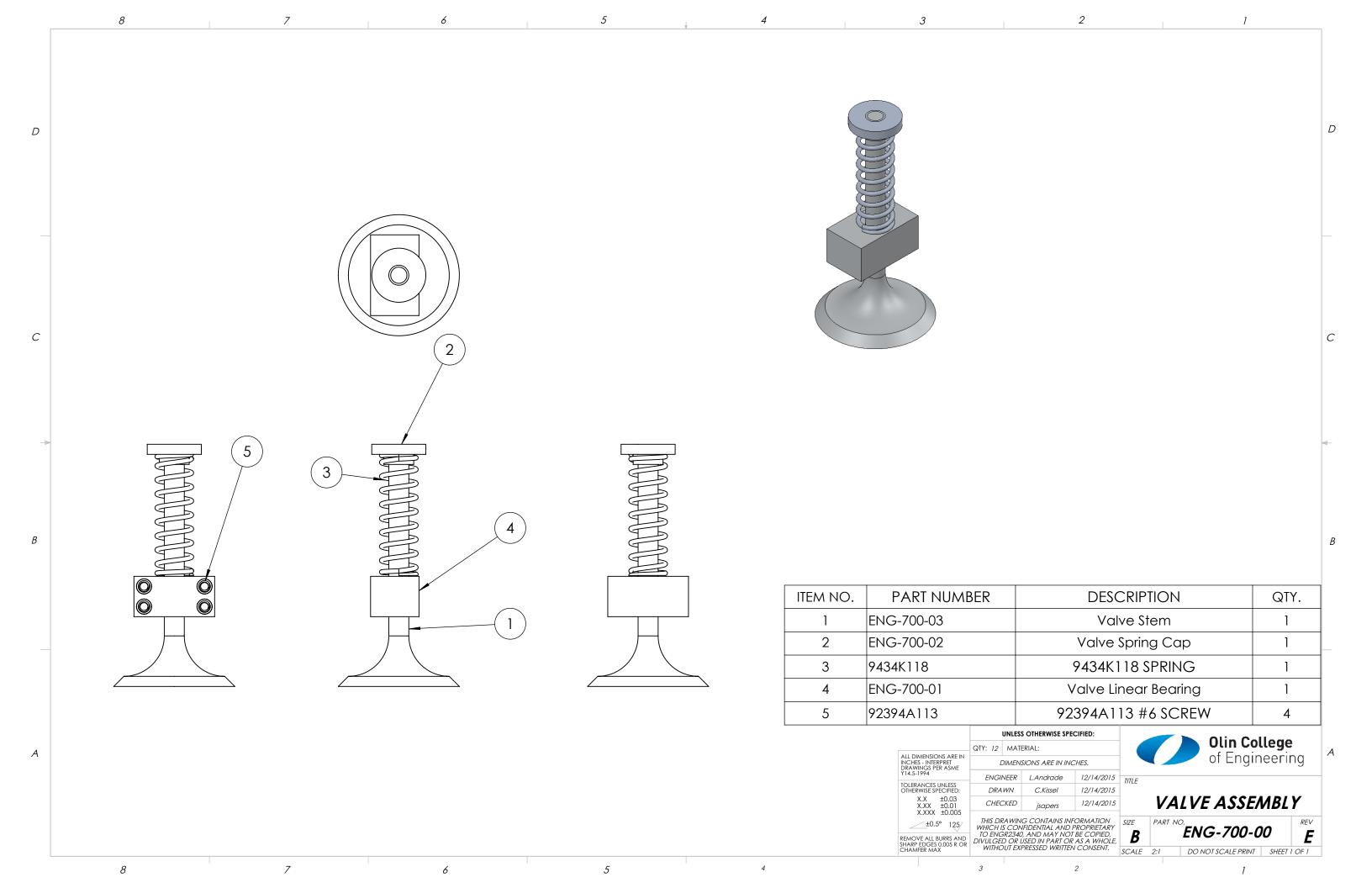


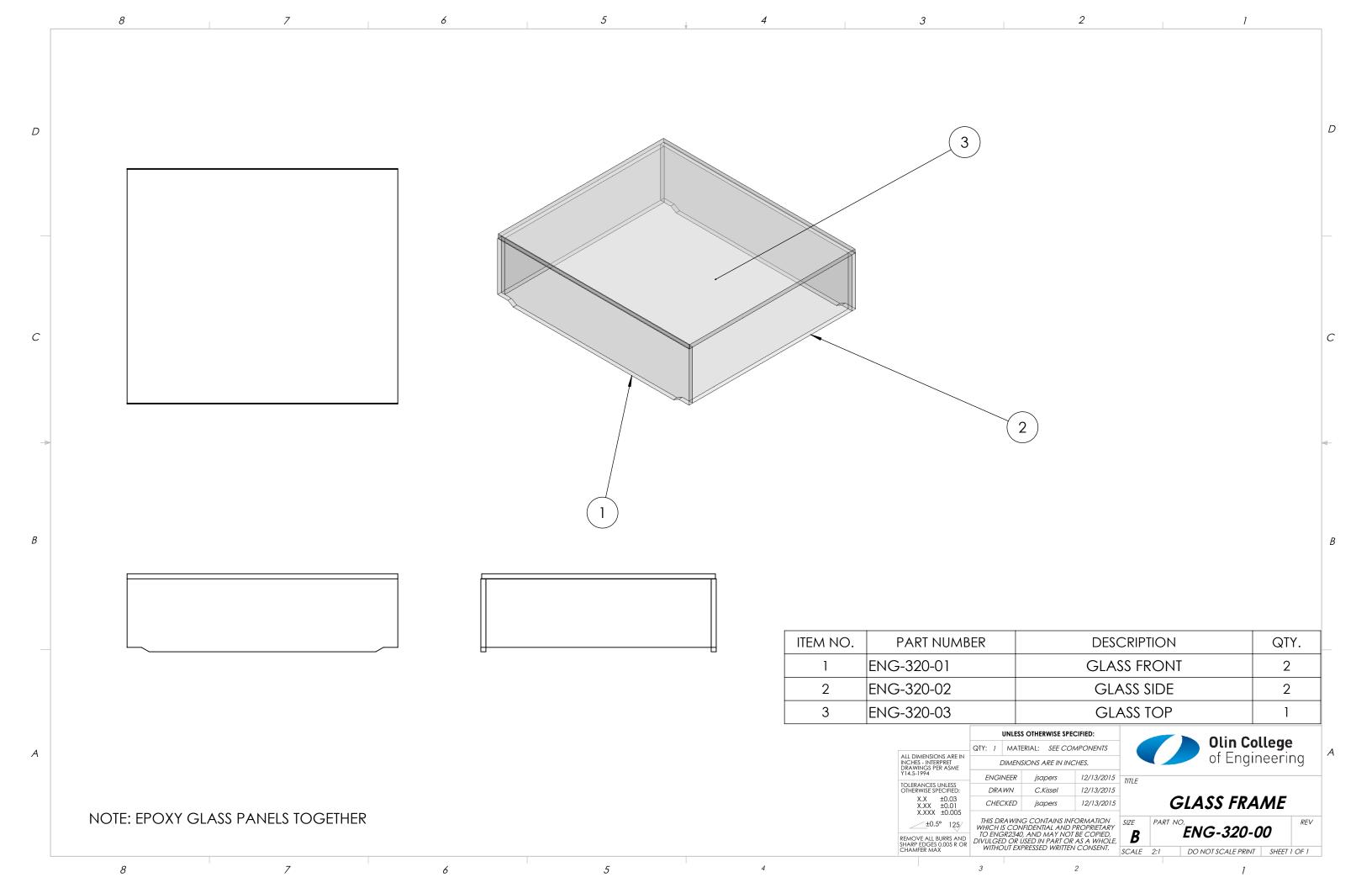
<del>-</del>	1	UNLESS OTHERWISE SPECIFIED:		4
22	ENG-400-02	GEARBOX OUTPUT SHAFT	1	
21	61005K122	MCMASTER PART 61005K122 SHAFT COUPLER	1	
20		.125 KEY	1	
19	ENG-400-07	CAM SHAFT TIMING PULLEY	1	
18	98633A230	MCMASTER CARR PART 98633A230 5/8 RETAINING RING	4	
17	98535A140	3/16 KEY 0.43"	1	
16	98535A140	3/16 KEY 0.43"	1	
15	97633A200	97633A200	6	
14	91590A133	MCMASTER CARR PART 91590A133 1" RETAINING RING	2	•
13	ENG-400-05	FRICTION SHOE	2	
12	ENG-400-06	SHIFTER FRICTION PAD	2	
11	98535A130	3/16 KEY 0.43"	2	] `
10	6383KS57	MCMASTER CARR PART 6383KS57	2	
9	ENG-400-04	SHIFTER LINK	1	
8	ENG-400-03	SHIFTER SLIDE	1	
7	ENG-400-01	GEARBOX INPUT SHAFT	1	
6	6867K65	McMaster Part 6867K65	1	
5	6867K59	McMaster Part 6867K59	1	
4	6325K2	McMaster Part 6325K2	1	
3	6325K4	McMaster Part 6325K4	1	
2	6383K234	McMaster Part 6383K234	4	
1	ENG-400-02	GEARBOX OUTPUT SHAFT	1	
ITEM NO.	Number	DESCRIPTION	QTY.	

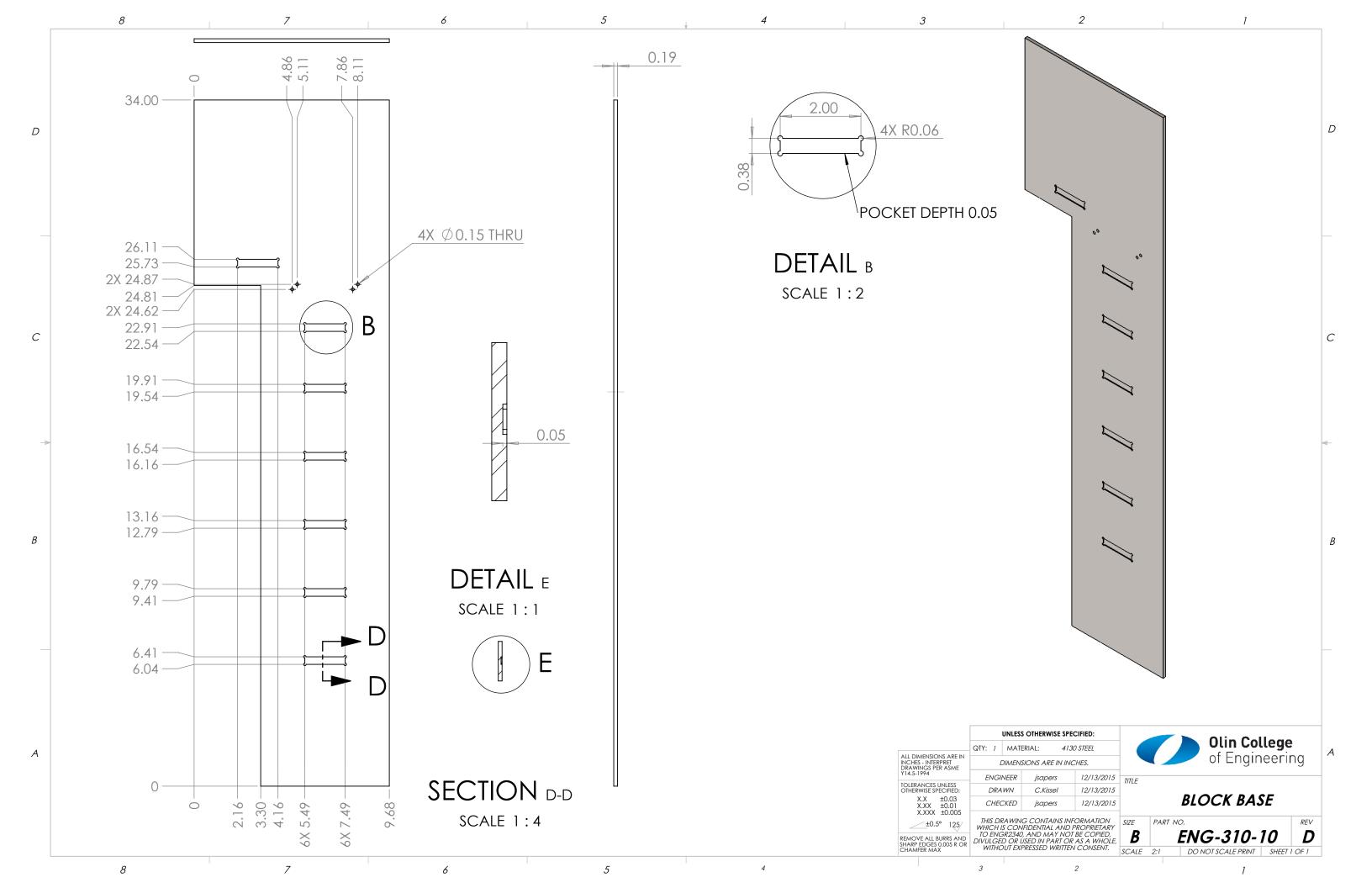
UNLESS OTHERWISE SPECIFIED:  QTY: 1 MATERIAL: SEE COMPONENTS  DIMENSIONS ARE IN INCHES.  DIMENSIONS ARE IN INCHES.  DIMENSIONS ARE IN INCHES.  DIMENSIONS ARE IN INCHES.  ENGINEER Ckissel 12/14/2015  TOLERANCES UNLESS  OTHERWISE SPECIFIED:  DRAWN C.Kissel 12/14/2015  X.X ±0.03  X.X ±0.03  X.XX ±0.003  X.XX ±0.005  CHECKED jsapers 12/14/2015  GEARBOX		
ALL DIMENSIONS ARE IN INCHES.  DIMENSIONS ARE IN INCHES.  DIMENSIONS ARE IN INCHES.  DIMENSIONS ARE IN INCHES.  DRAWING SPECIFIED:  DRAWN C.Kissel 12/14/2015  X.X ±0.03  X.XX ±0.01  X.XX ±0.01  X.XX ±0.005  CHECKED jsapers 12/14/2015  GEARBOX		
DRAWINGS PER ASME Y14.5-1994         ENGINEER         Ckissel         12/14/2015           TOLERANCES UNLESS OTHERWISE SPECIFIED:		
TOLERANCES UNLESS OTHERWISE SPECIFIED:   DRAWN   C.Kissel   12/14/2015   TITLE	INCHES - INTERPRET	
TOLERANCES UNLESS   OTHERWISE SPECIFIED:   DRAWN   C.Kissel   12/14/2015		
X.XXX ±0.005	OTHERWISE SPECIFIED: X.X ±0.03 X.XX ±0.01	
±0.5° 125/ WHICH IS CONFIDENTIAL AND PROPRIETARY TO ENGR2340, AND MAY NOT BE COPIED, TO ENGR2340, AND MAY NOT BE COPIED,	±0.5° 125/	
REMOVE ALL BURKS AND DIVULGED OR USED IN PART OR AS A WHOLE,	SHARP EDGES 0.005 R OR	
CHAMFER MAX WITHOUT EAFRESSED WRITTEIN CONSENT. SCALE 2:1 DO NOT SCALE PRINT S.	CHAMFER MAX	

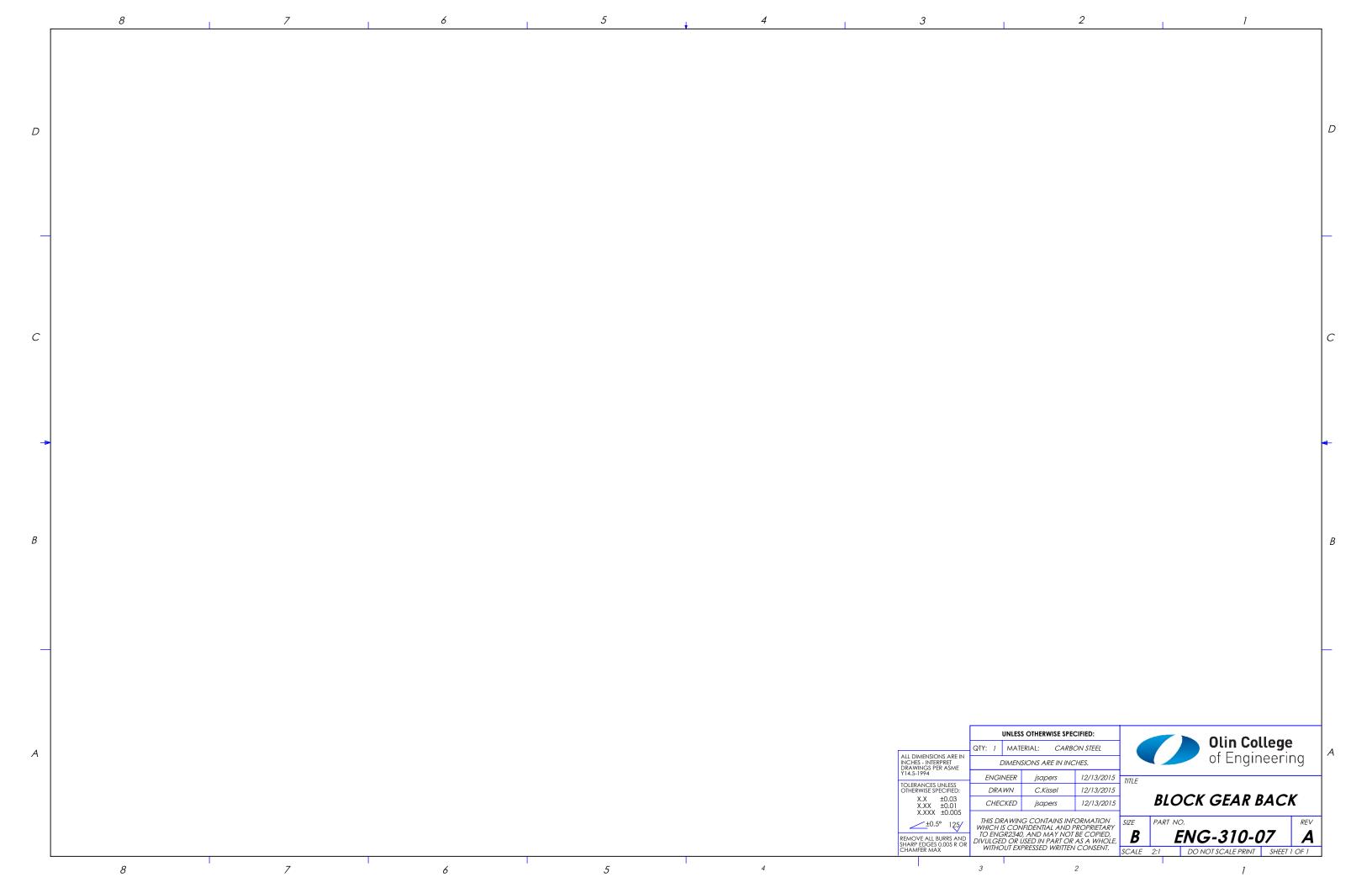


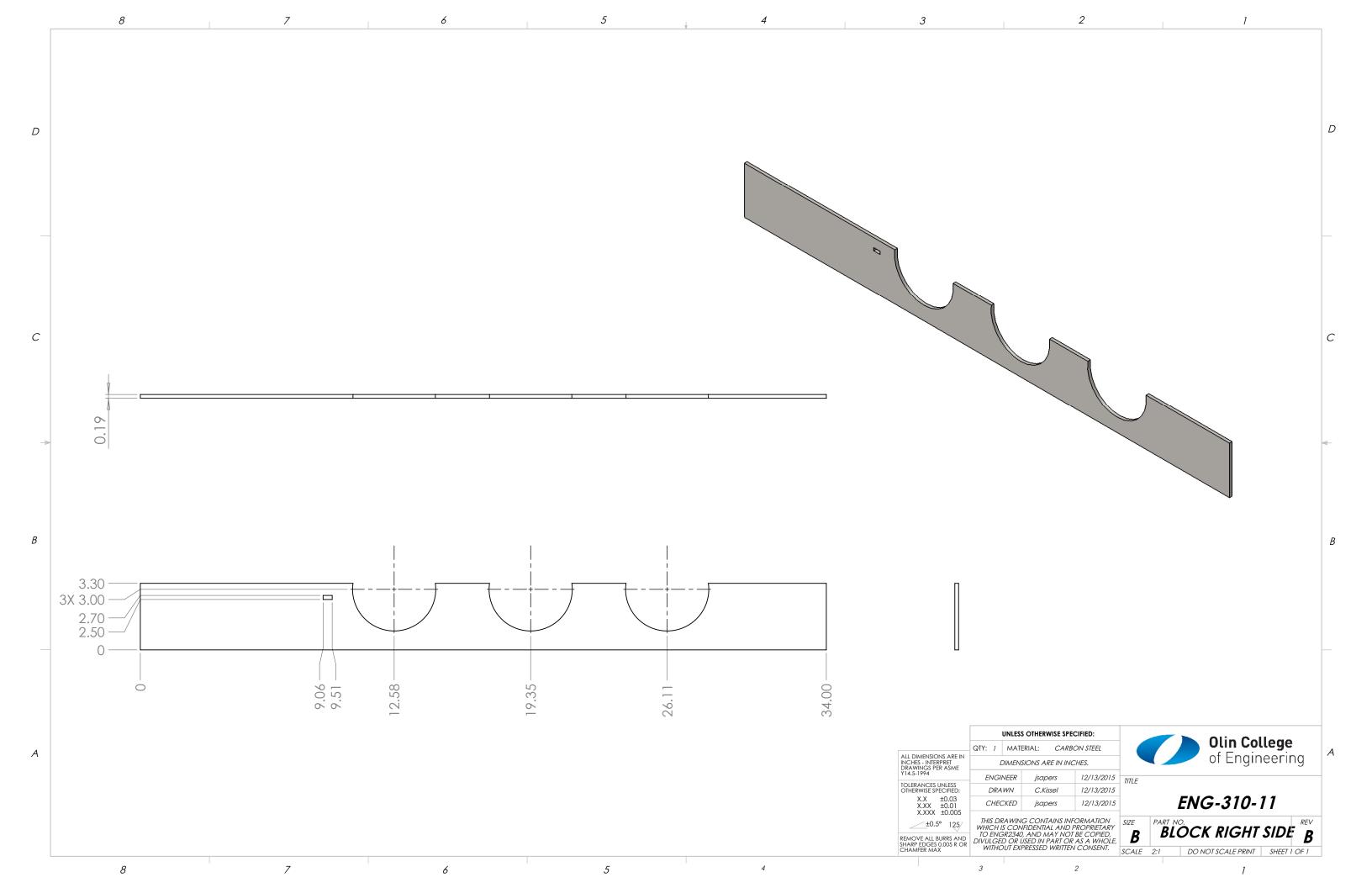


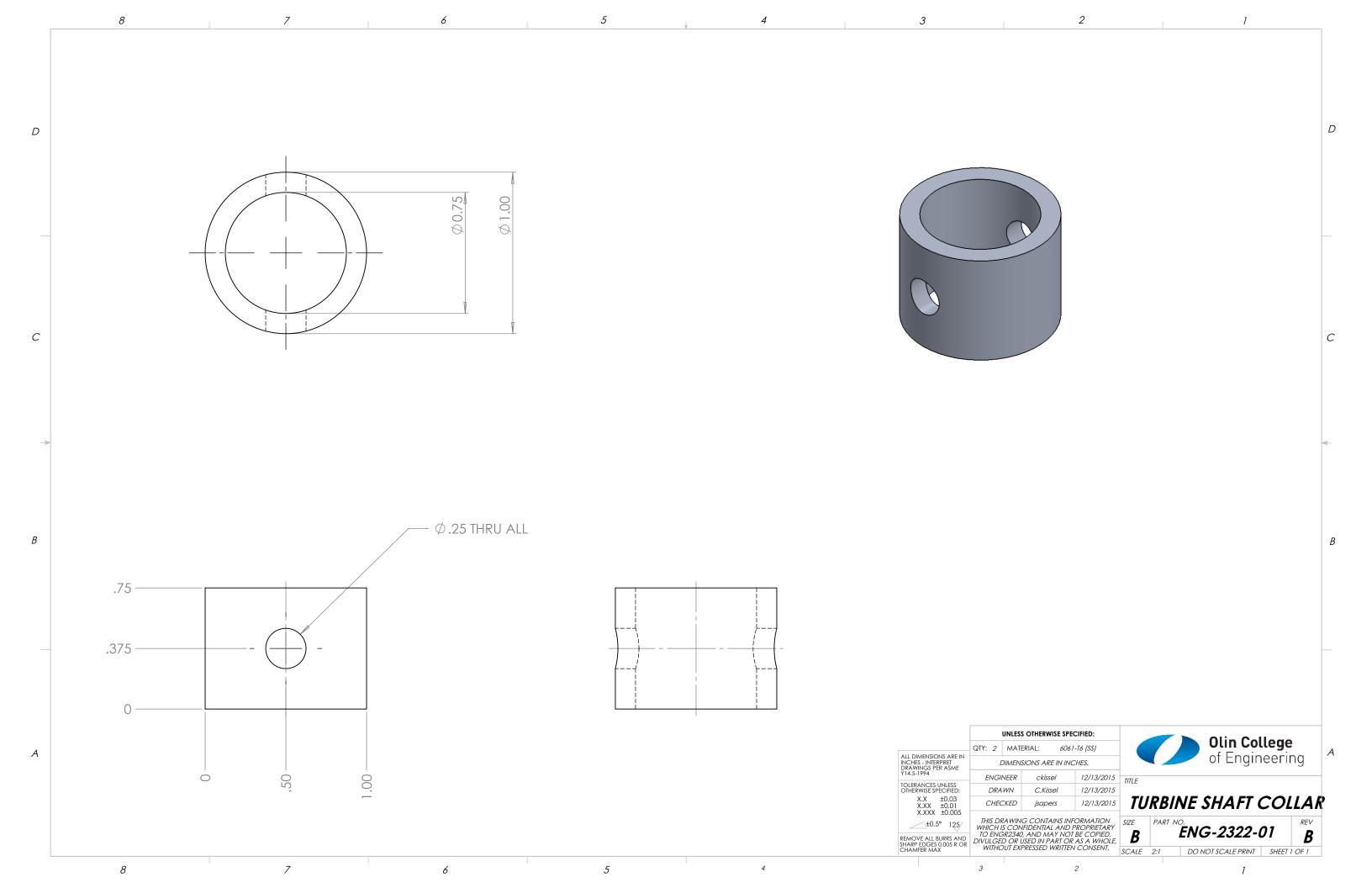


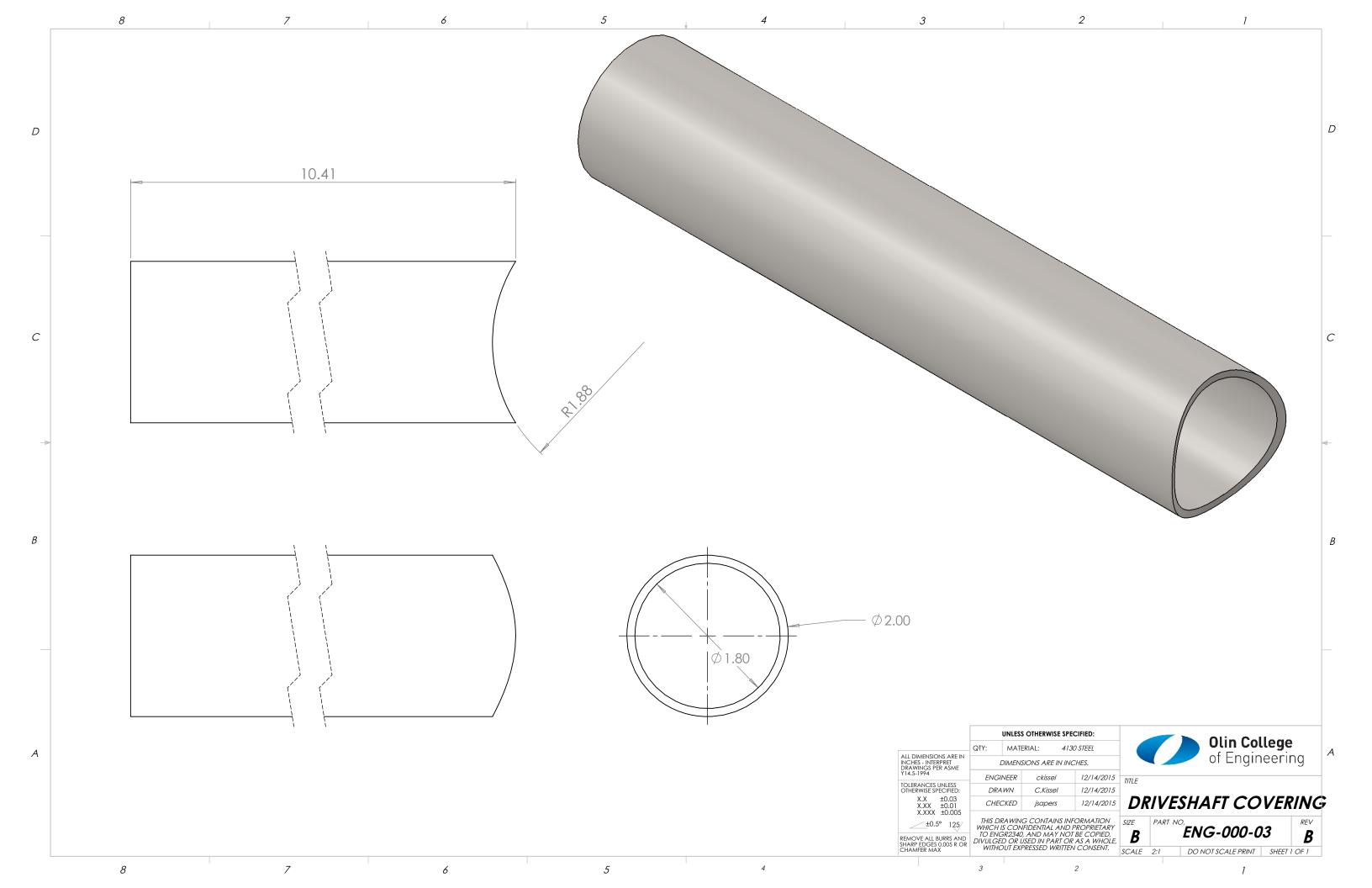


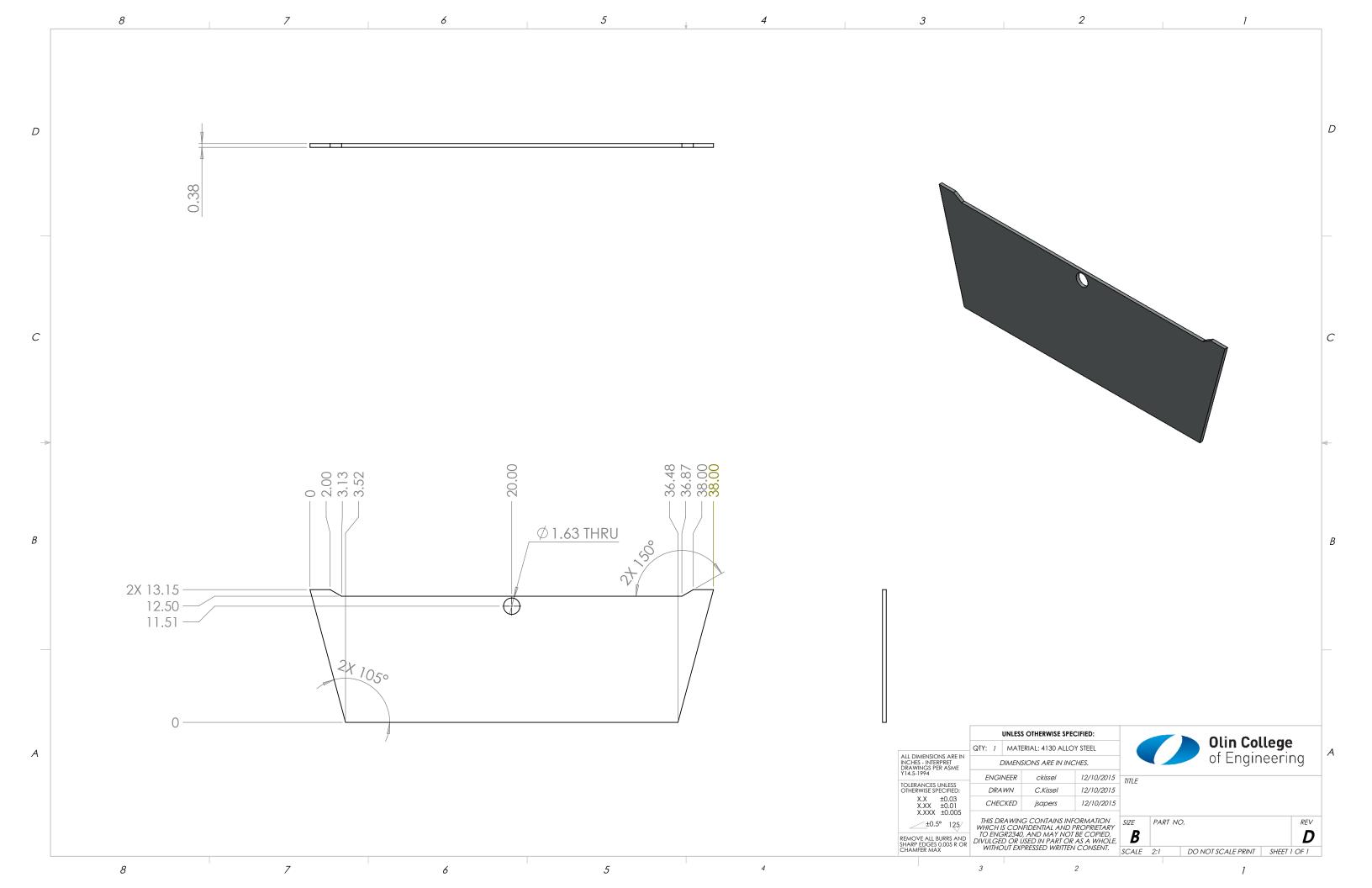


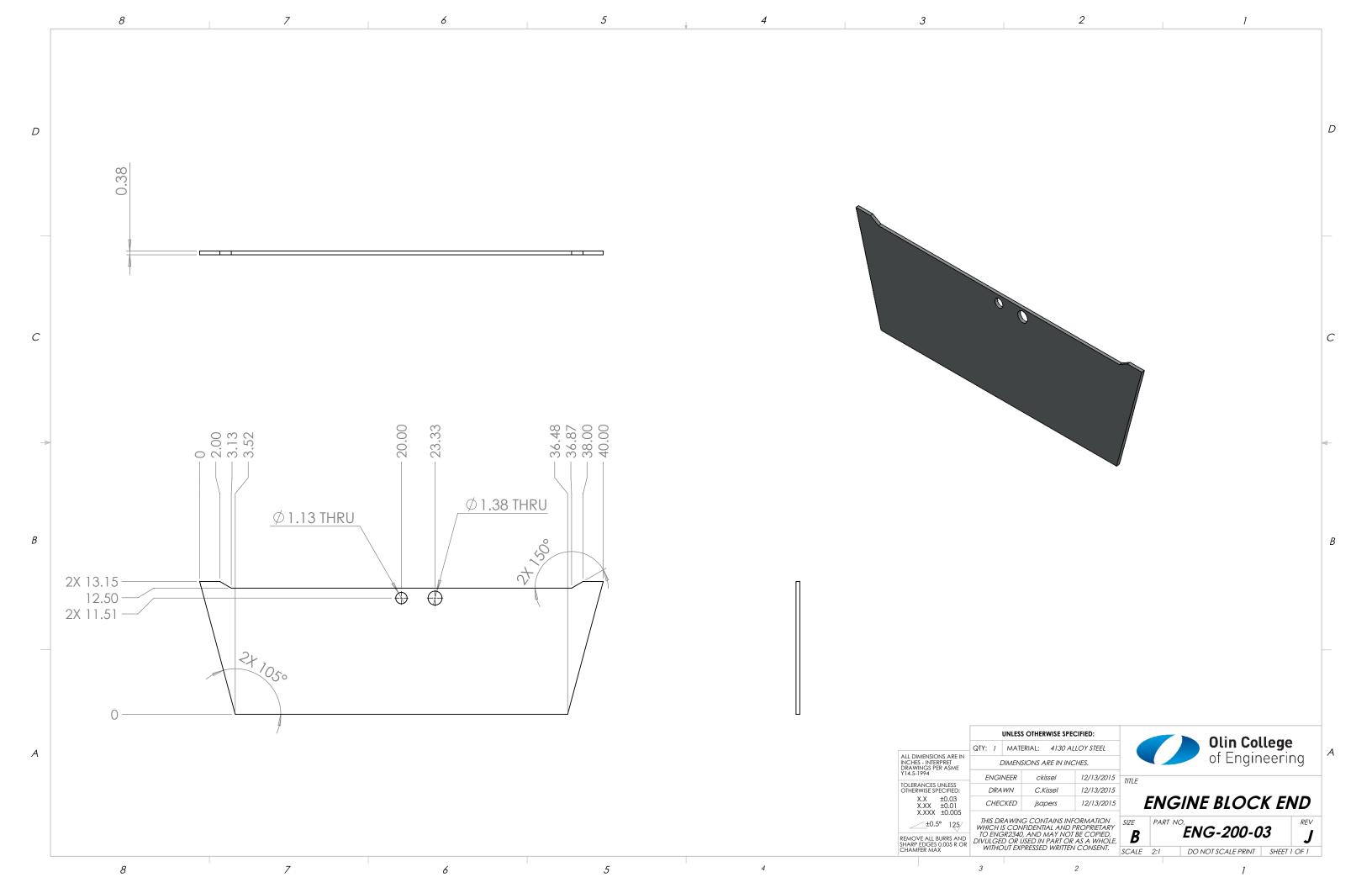


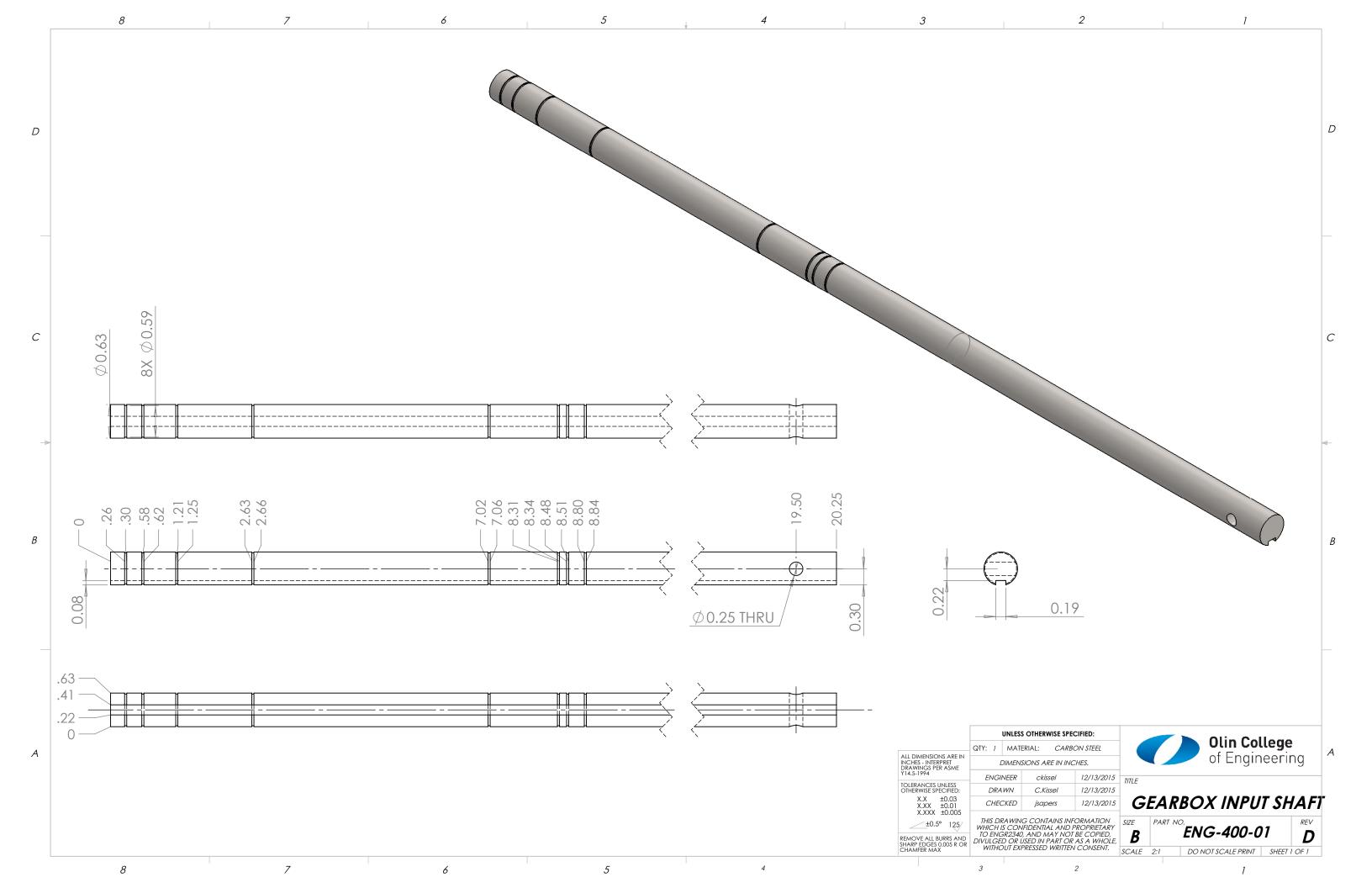


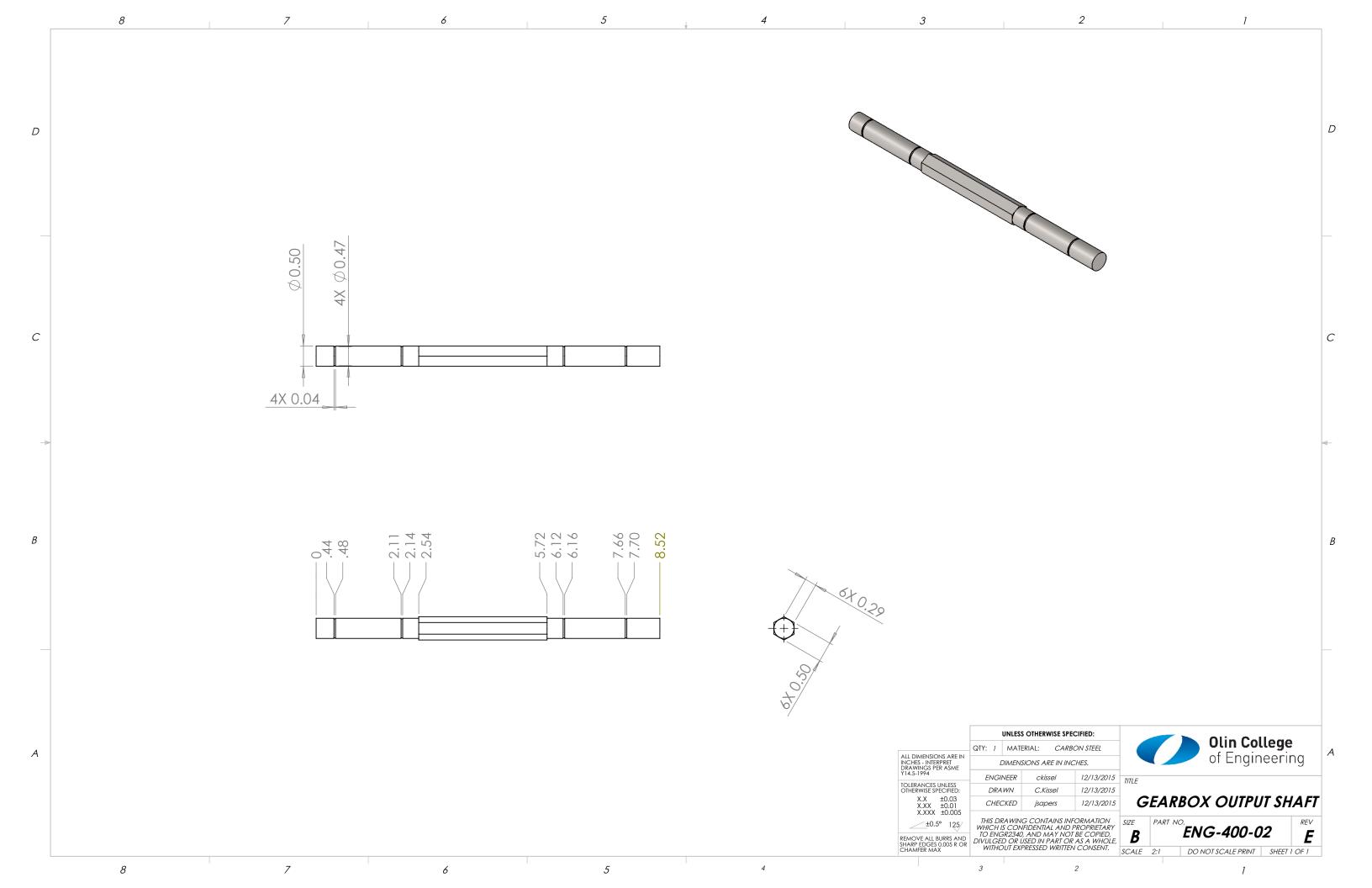


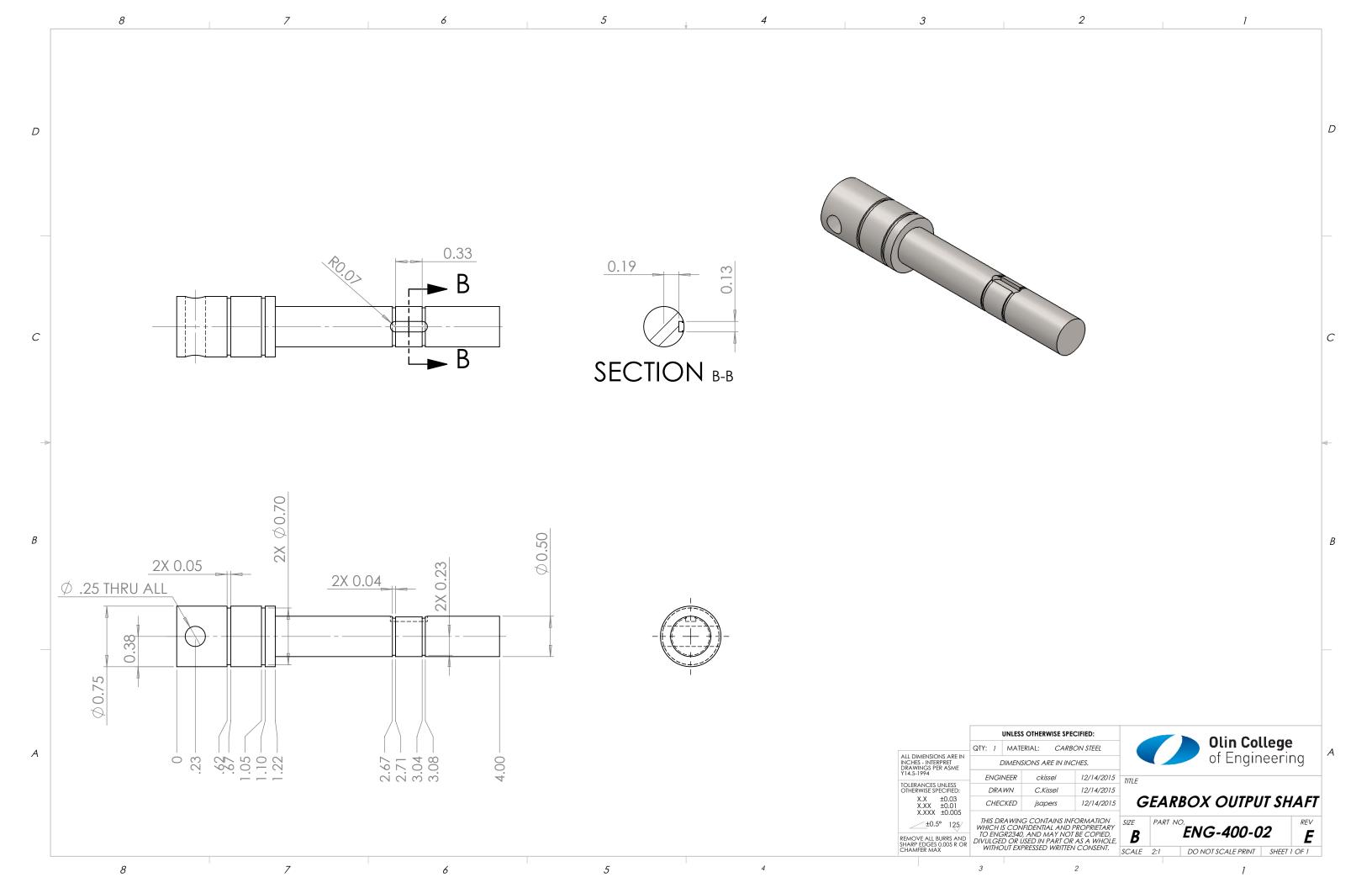


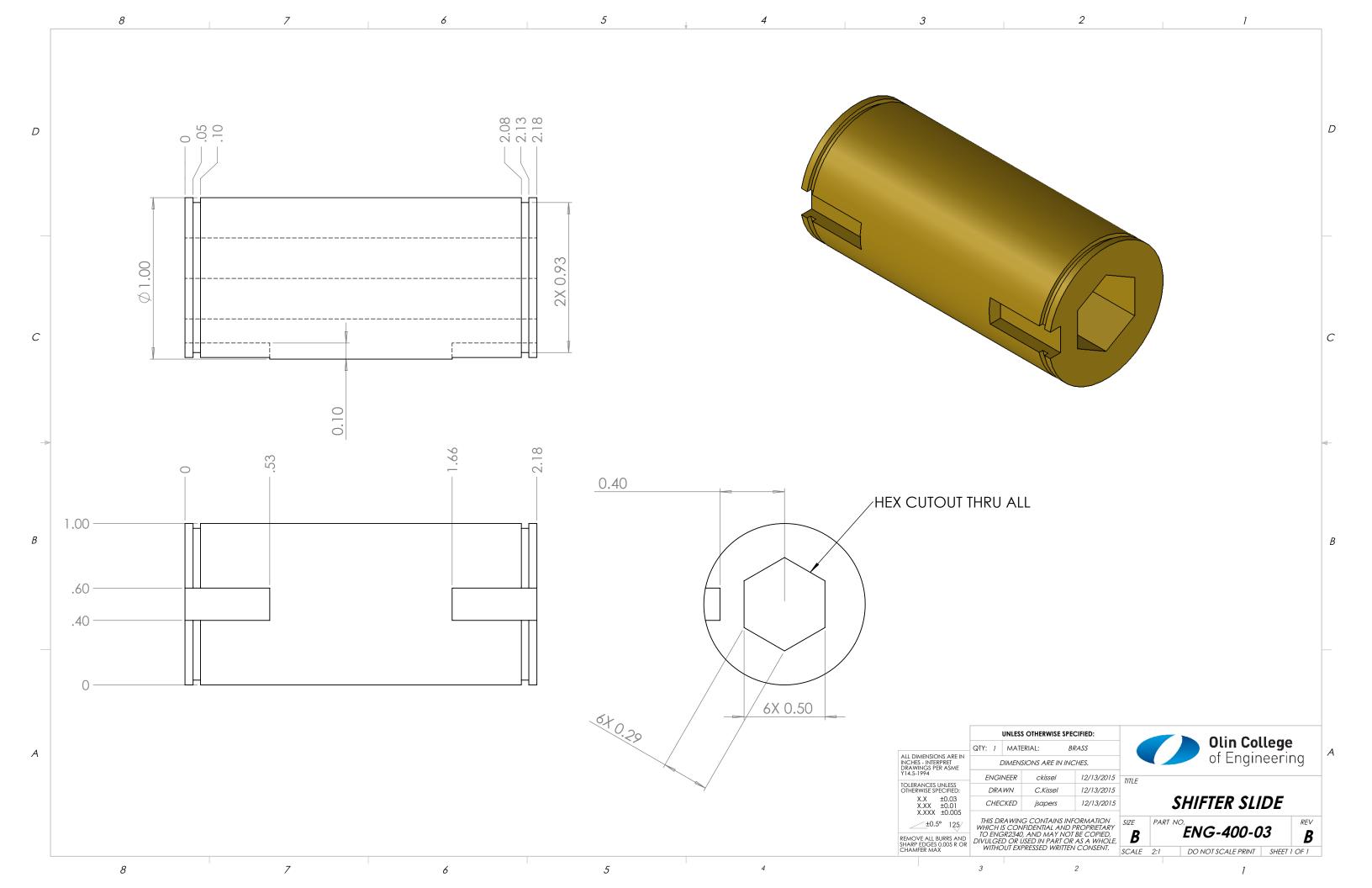


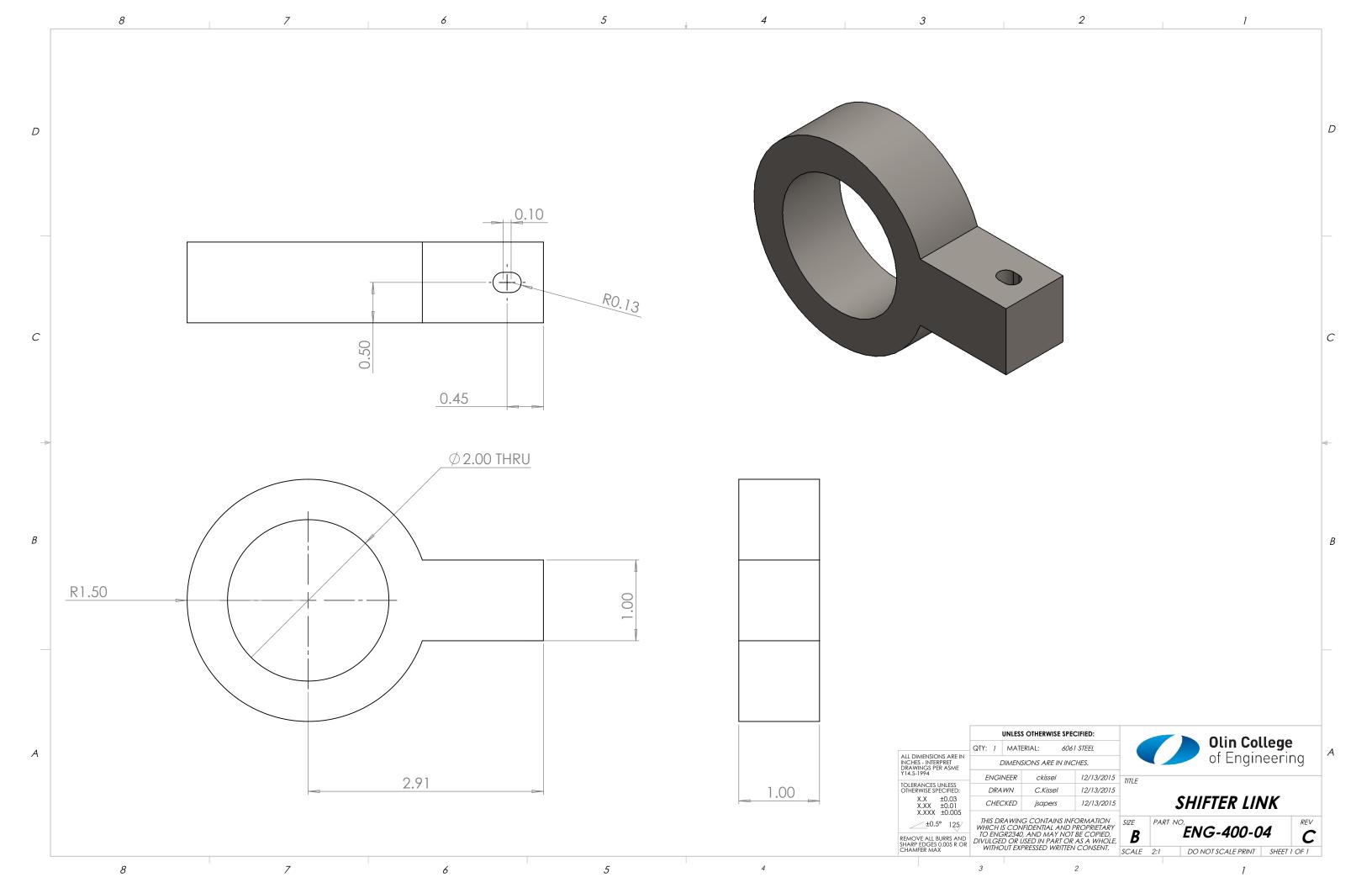


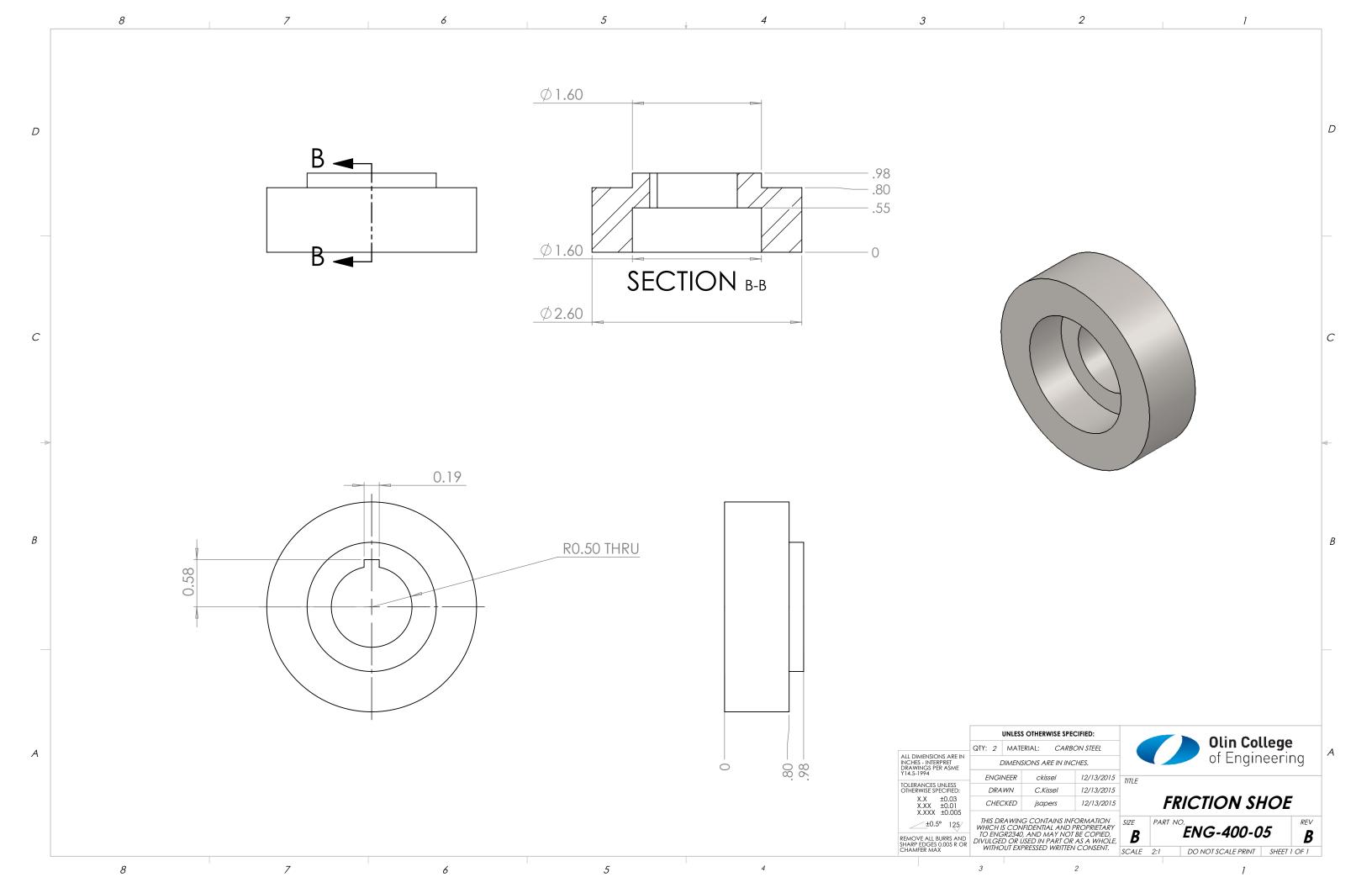


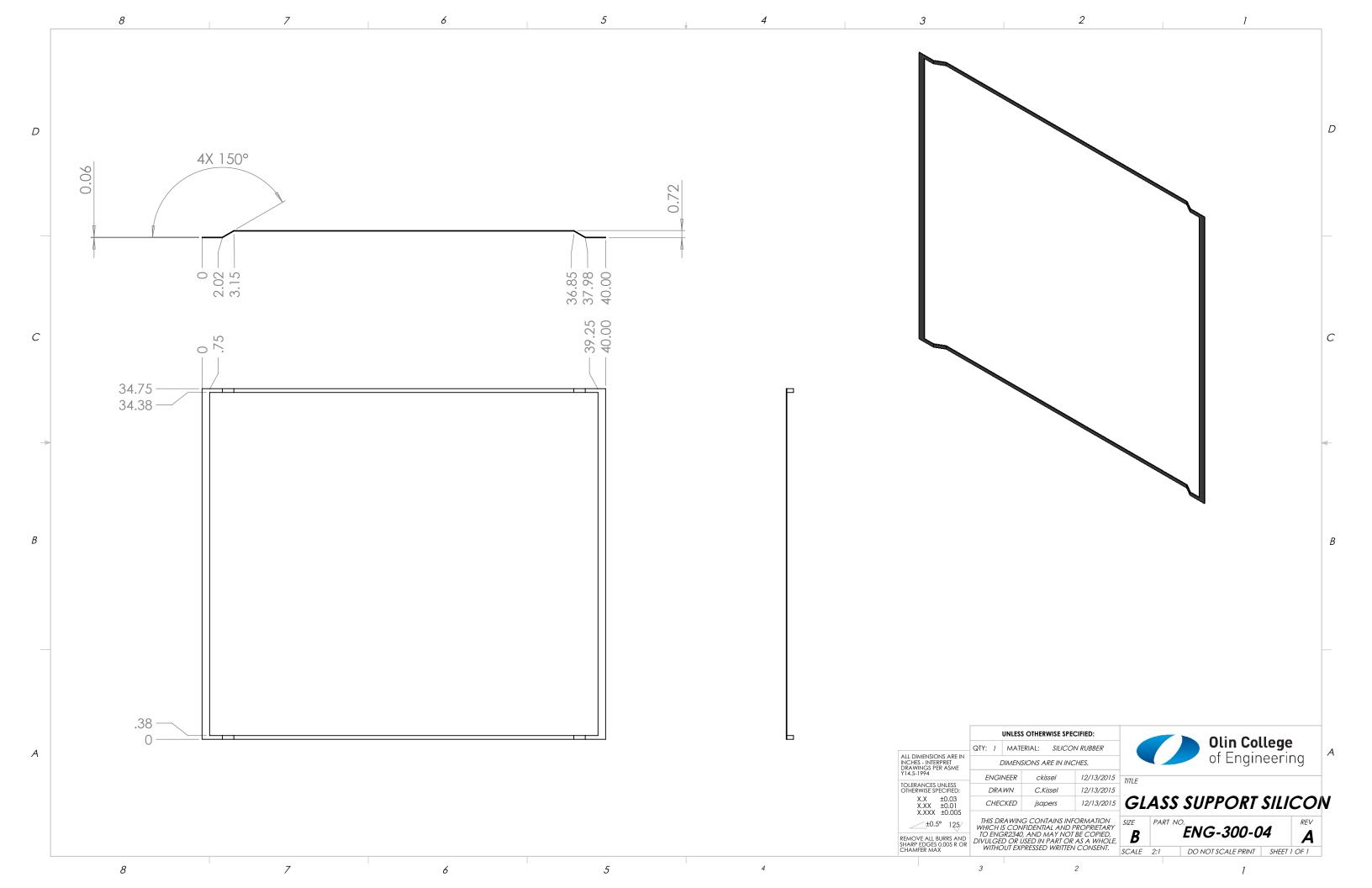


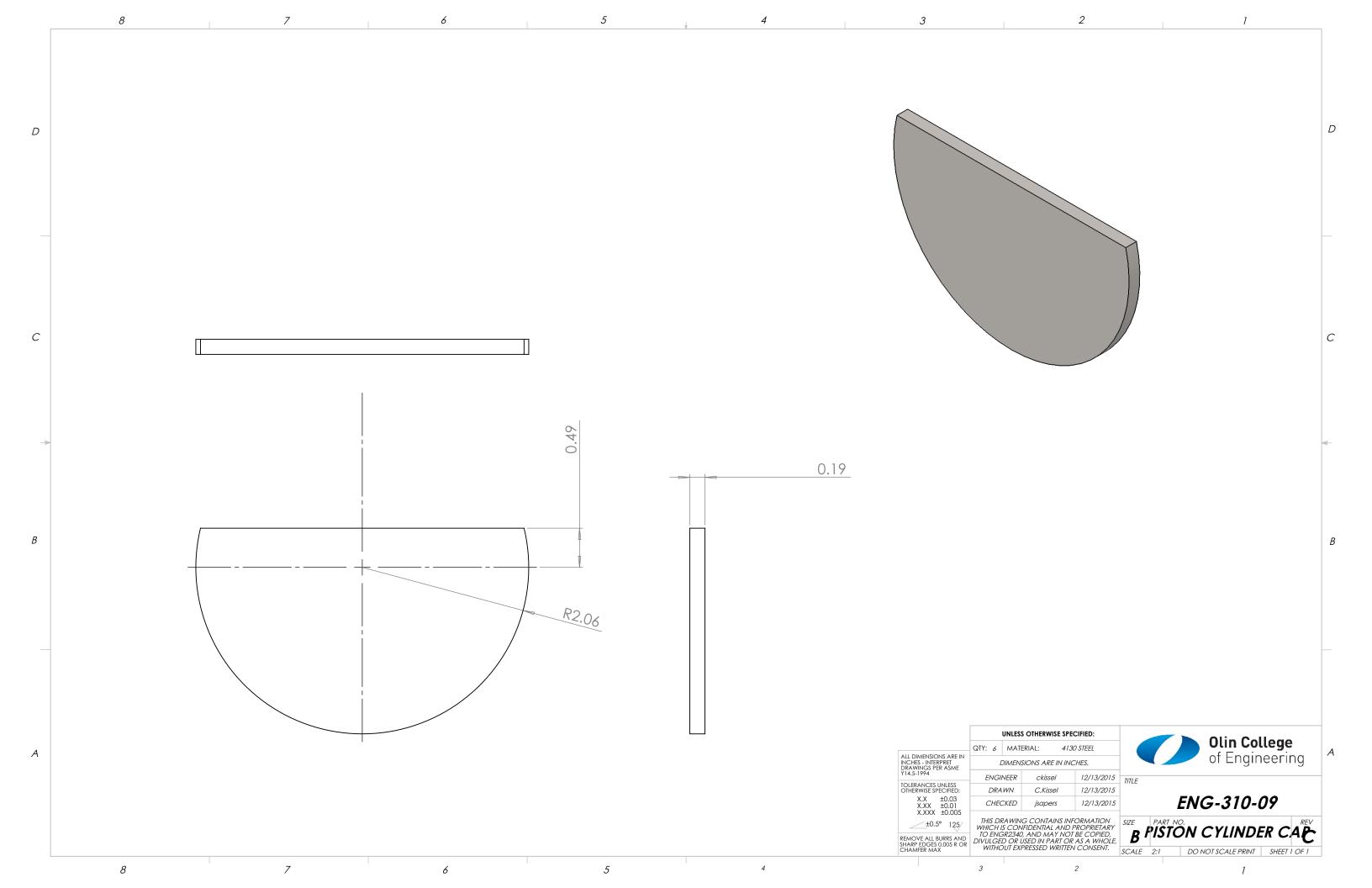


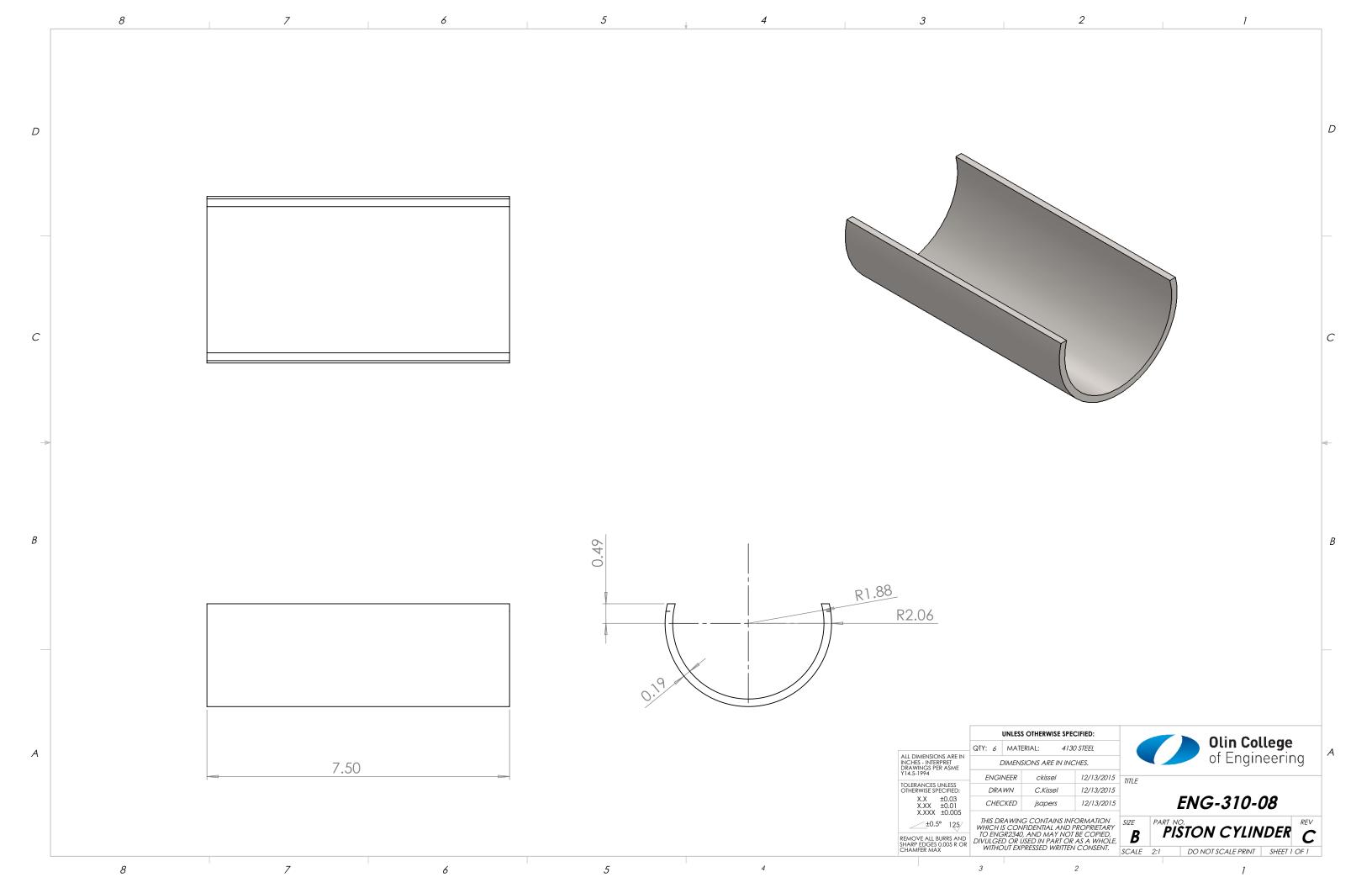


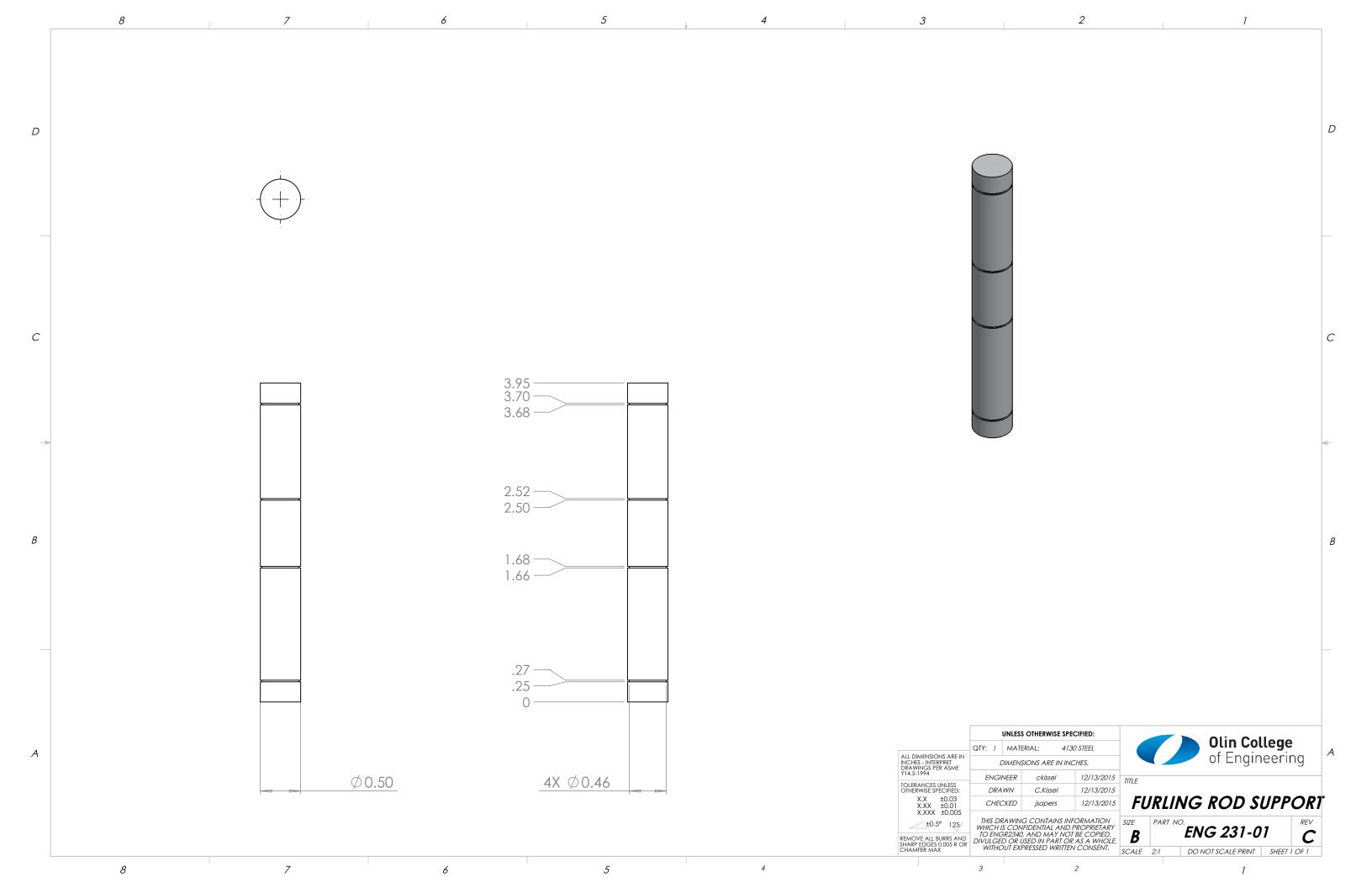


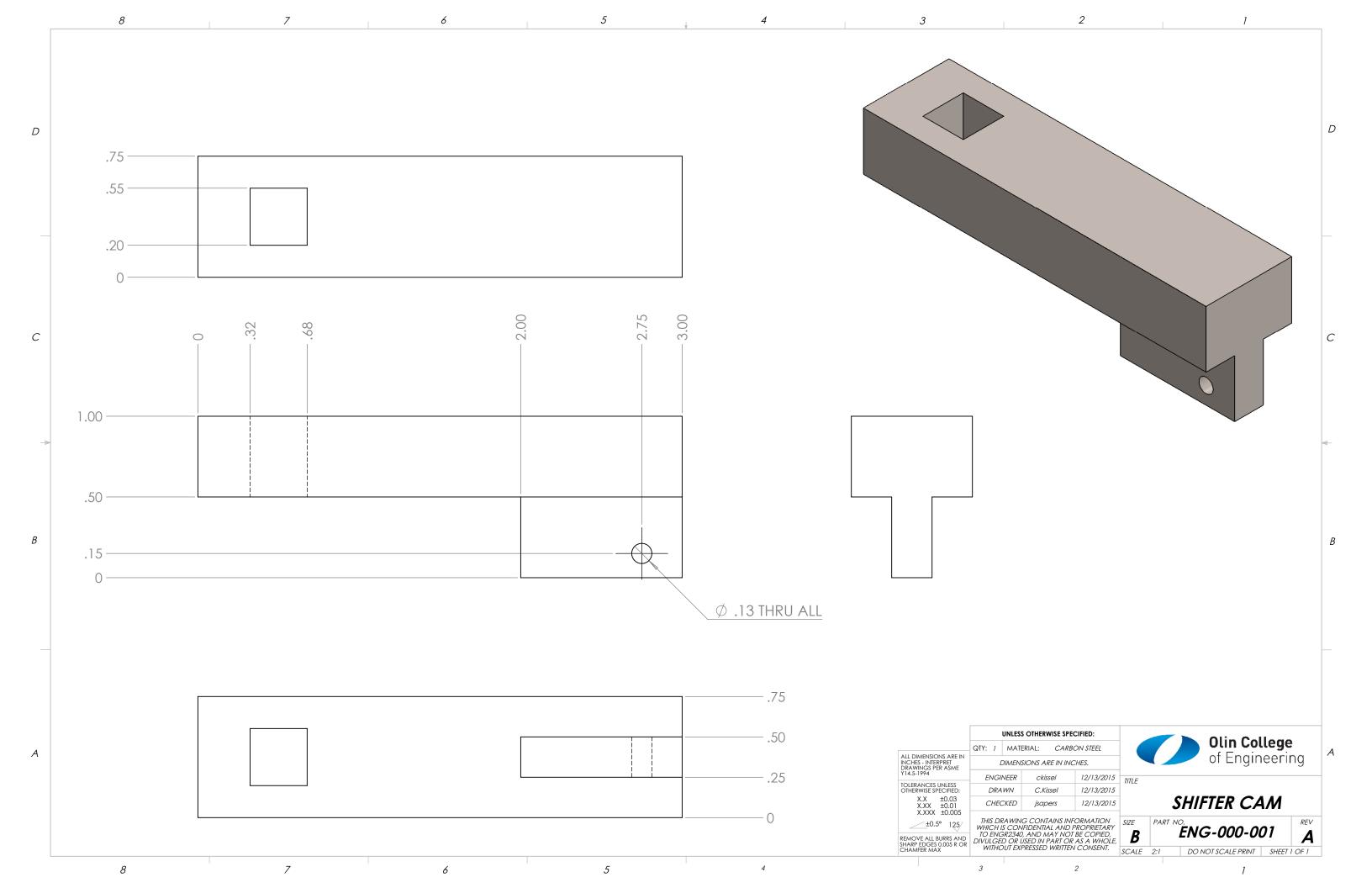


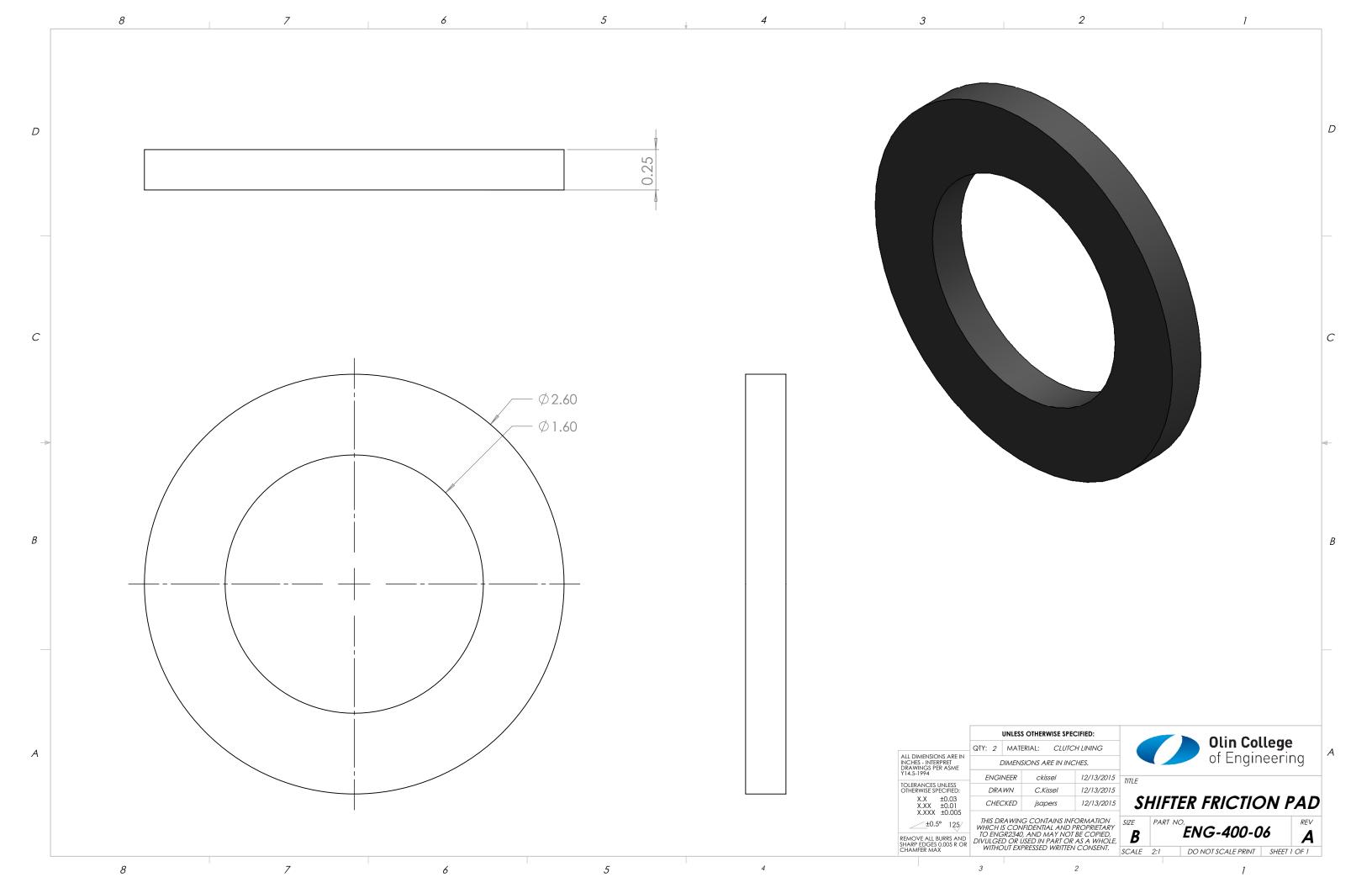


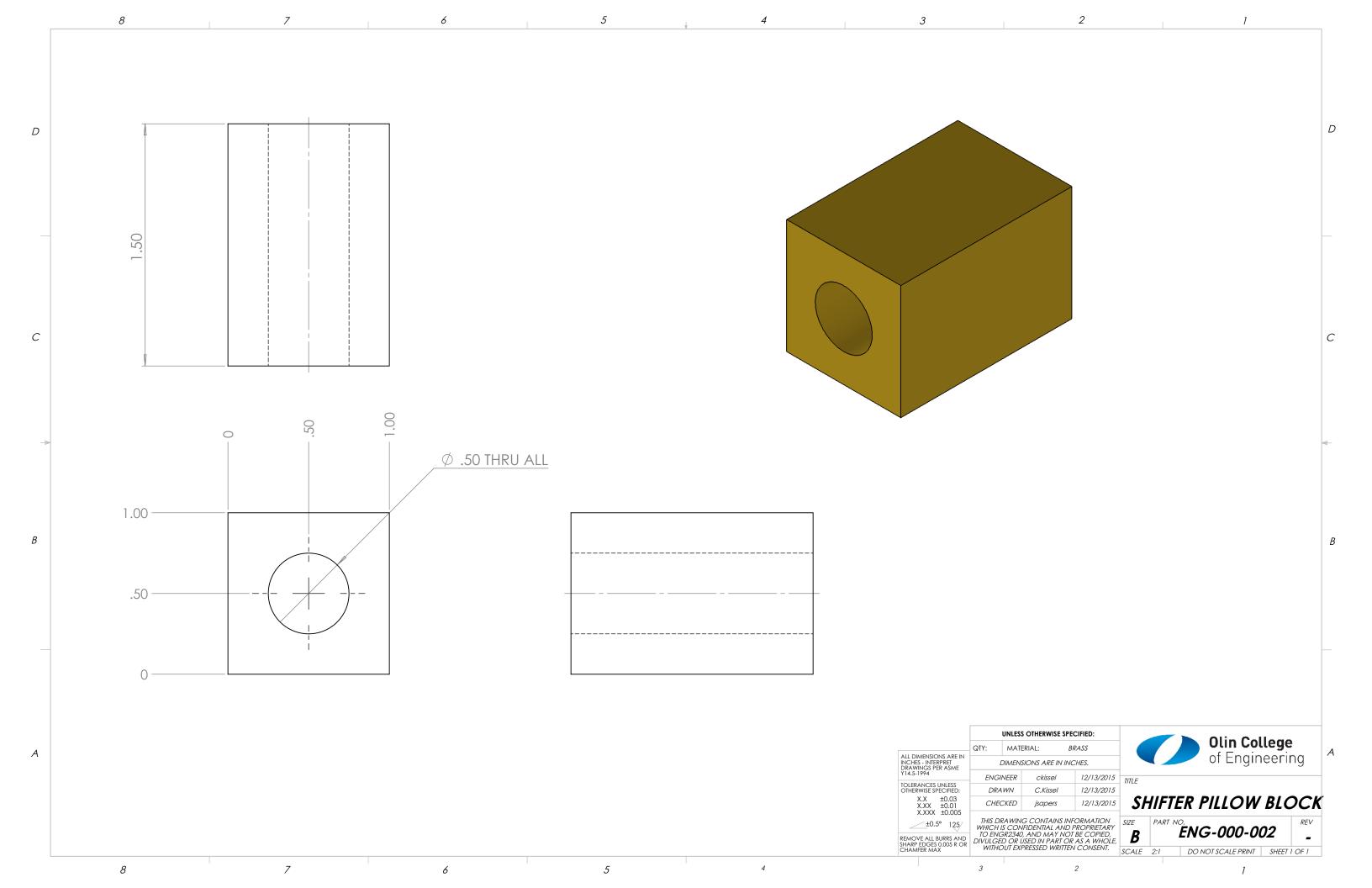


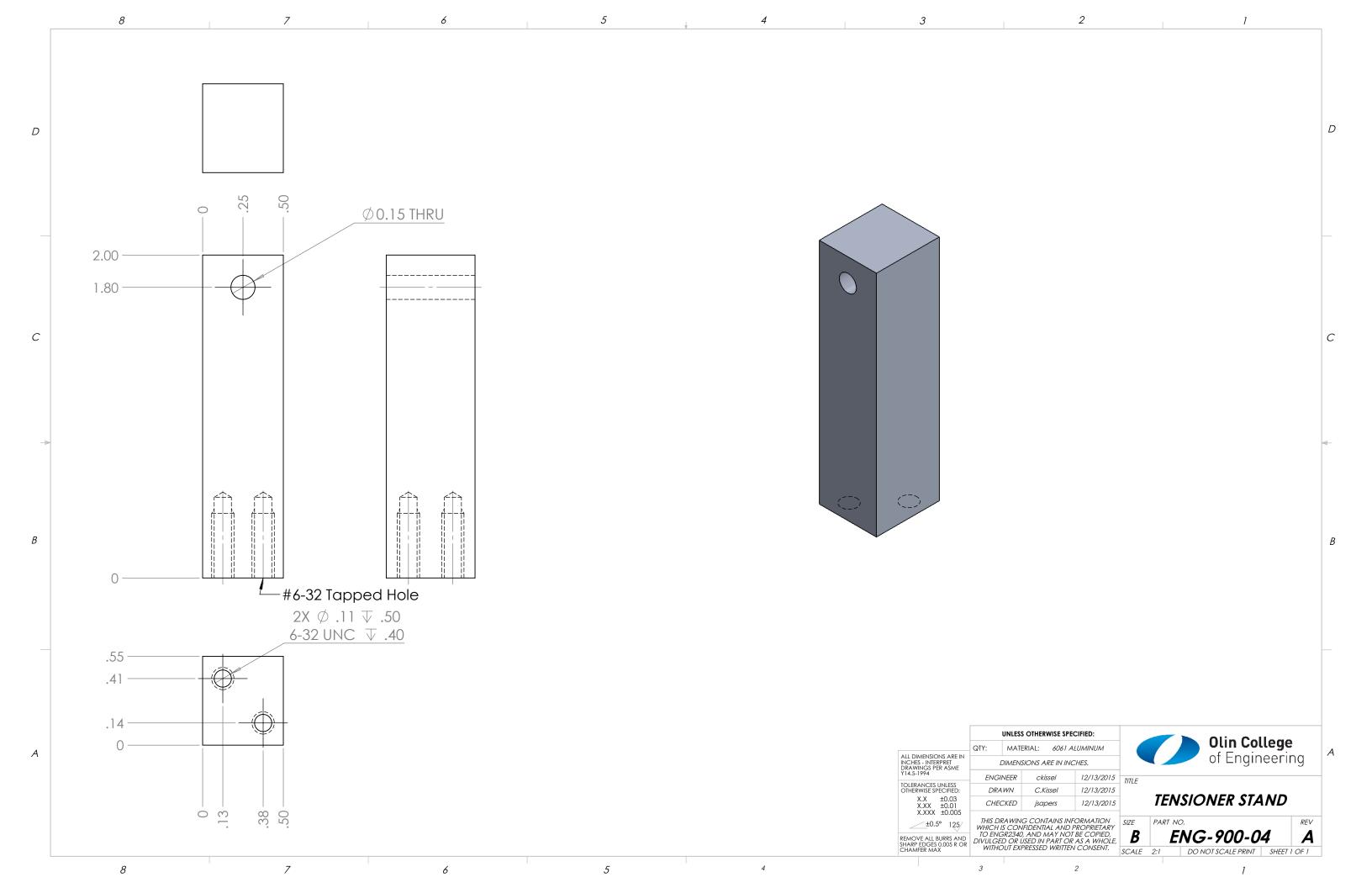


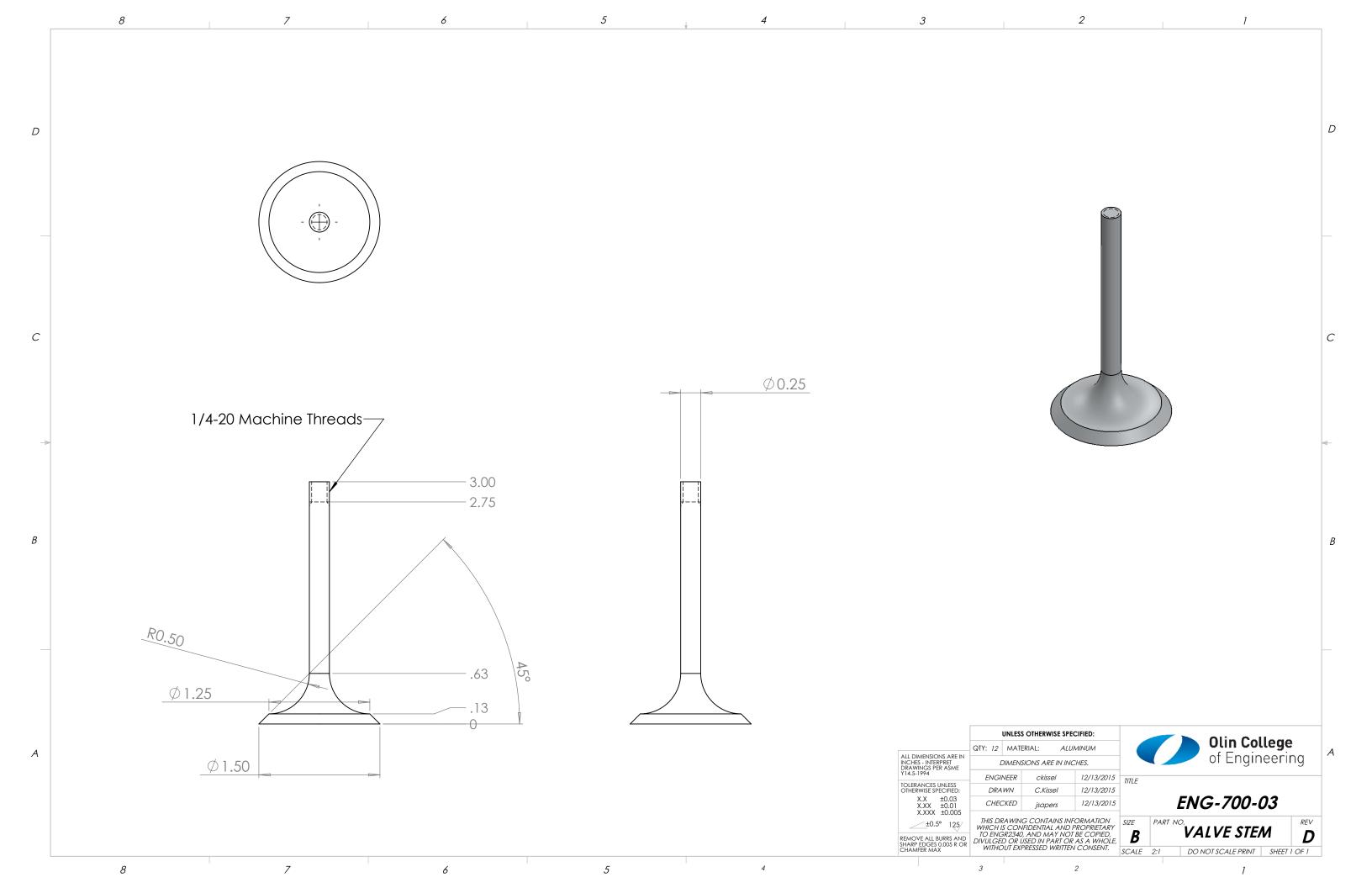


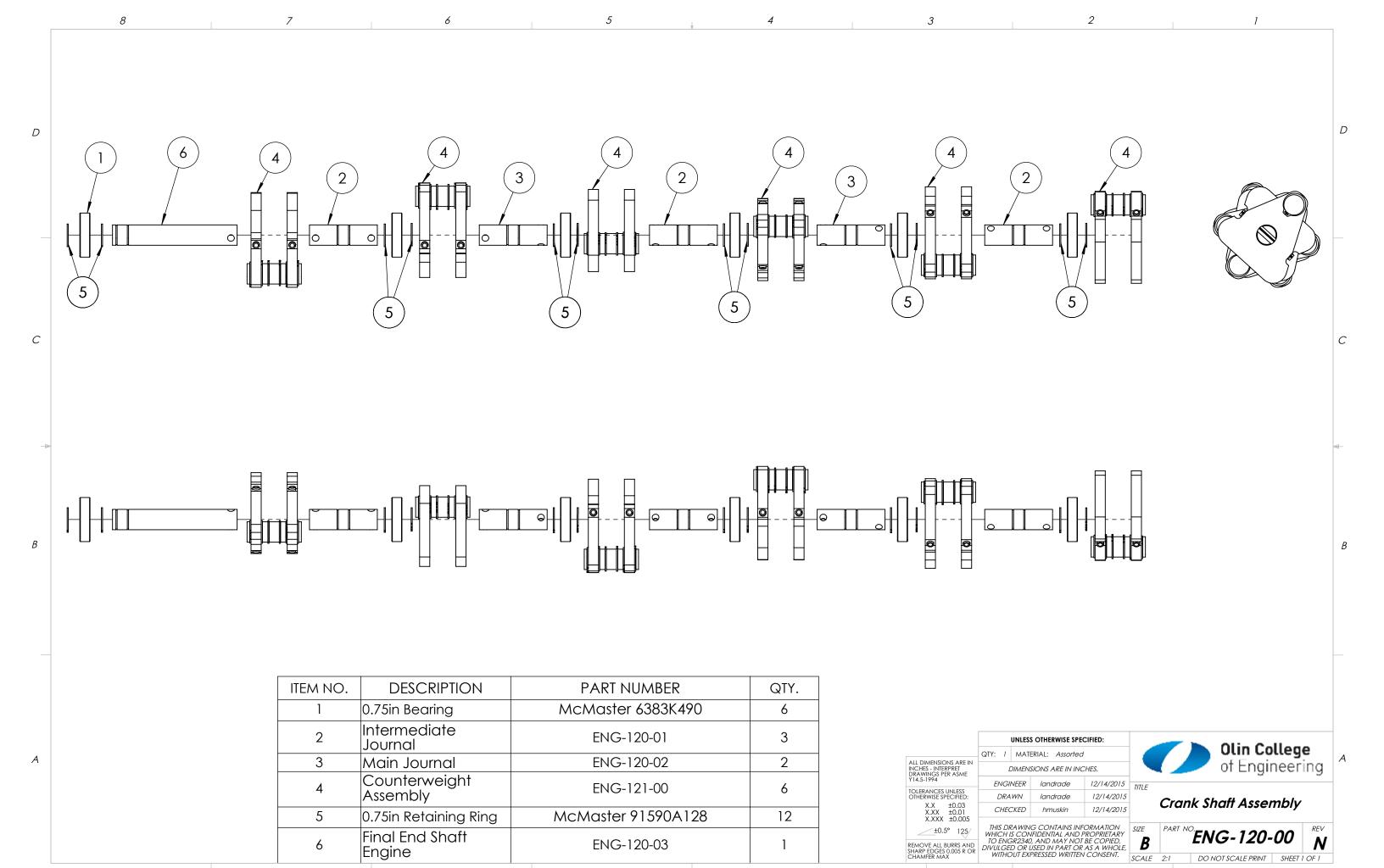




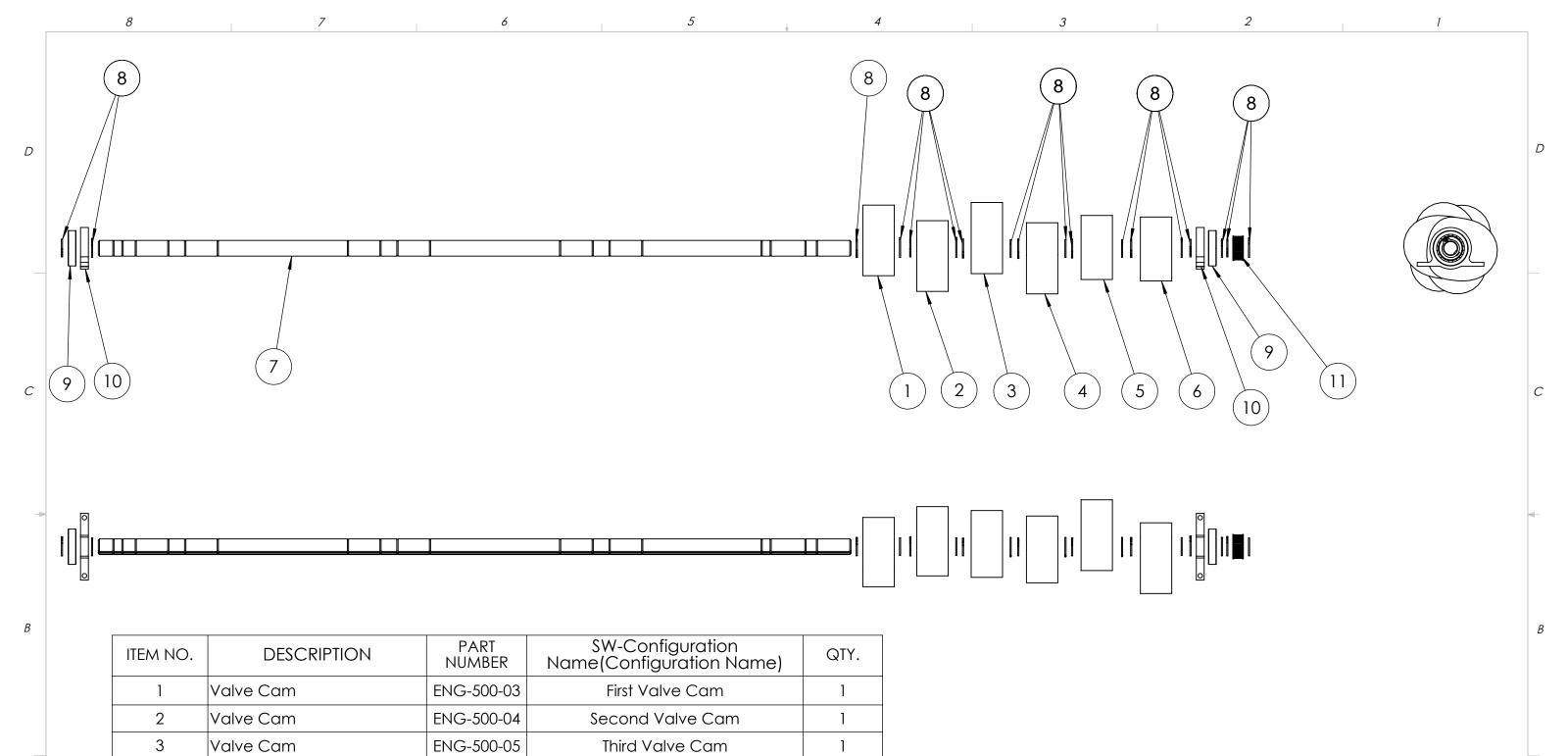








7 6 5



ITEM NO.	DESCRIPTION	PART NUMBER	SW-Configuration Name(Configuration Name)	QTY.	
1	Valve Cam	ENG-500-03	First Valve Cam	1	
2	Valve Cam	ENG-500-04	Second Valve Cam	1	
3	Valve Cam	ENG-500-05	Third Valve Cam	1	
4	Valve Cam	ENG-500-06	Forth Valve Cam	1	
5	Valve Cam	ENG-500-07	Fifth Valve Cam	1	
6	Valve Cam	ENG-500-08	Sixth Valve Cam	1	
7	Left Keyed Cam Shaft	ENG-500-02	Default	1	
8	0.5in Retaining Ring	McMaster 97633A200	Default	18	
9	0.5in Bearing	McMaster 60355K505	Default	2	
10	Cam Shaft Bearing Housing	ENG-510-01	Default	2	
11	Cam Shaft Timing Pulley	ENG-400-07	Default	1	

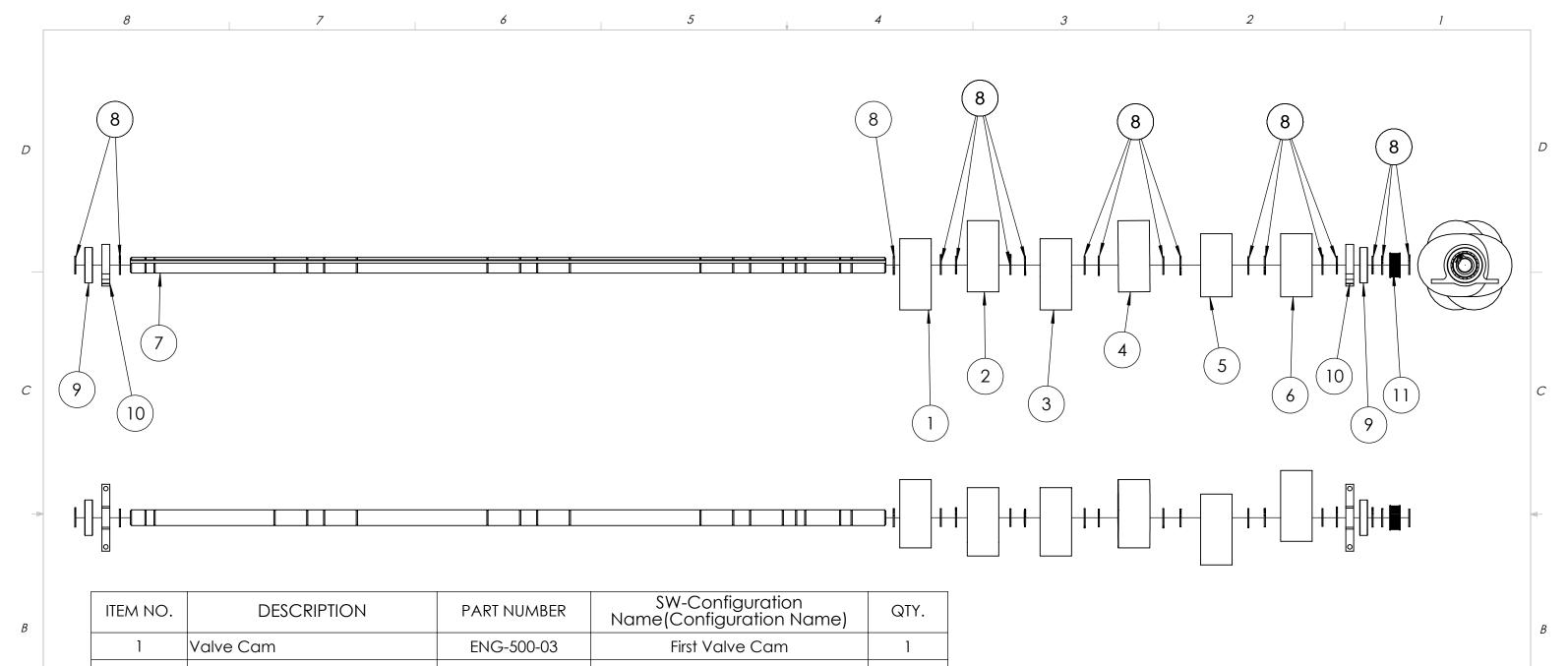
	UNLESS OTHERWISE SPECIFIED:					01: 0	
	QTY: 1 MAT	QTY: 1 MATERIAL: Assorted				Olin Co	
ALL DIMENSIONS ARE IN NCHES - INTERPRET DRAWINGS PER ASME	DIMENSIONS ARE IN INCHES.					of Engir	neering
14.5-1994	ENGINEER	landrade	12/13/2015	TITLE			
OLERANCES UNLESS OTHERWISE SPECIFIED:	DRAWN	landrade	12/13/2015	,,,,,,,		Left Cam	
X.X ±0.03 X.XX ±0.01 X.XXX ±0.005	CHECKED	hmuskin	12/13/2015		Vc	alve Assembl	y
±0.5° 125/	WHICH IS COI	IG CONTAINS IN NFIDENTIAL AND	PROPRIETARY	SIZE	PART NO	•	RE
EMOVE ALL BURRS AND HARP EDGES 0.005 R OR	DIVULGED OR	0, AND MAY NO USED IN PART OI	R AS A WHOLE,	B		ENG-500-	00   L
CHAMFER MAX	WITHOUT EXPRESSED WRITTEN CONSENT.		SCALE	2:1	DO NOT SCALE PRINT	SHFFT 1 OF 1	

8 7 6

Α

5

2



ITEM NO.	DESCRIPTION	PART NUMBER	SW-Configuration Name(Configuration Name)	QTY.
1	Valve Cam	ENG-500-03	First Valve Cam	1
2	Valve Cam	ENG-500-04	Second Valve Cam	1
3	Valve Cam	ENG-500-05	Third Valve Cam	1
4	Valve Cam	ENG-500-06	NG-500-06 Forth Valve Cam	
5	Valve Cam	ENG-500-07	Fifth Valve Cam	1
6	Valve Cam	ENG-500-08	Sixth Valve Cam	1
7	Right Keyed Cam Shaft	McMaster 1497K310	Default	1
8	0.5in Retaining Ring	McMaster 97633A200	Default	18
9	0.5in Bearing	McMaster 6383K340	Default	2
10	Cam Shaft Bearing Housing	ENG-510-01	Default	2
11	Cam Shaft Timing Pulley	ENG-500-01	Default	1

	UNLESS OTHERWISE SPECIFIED:  QTY: 1 MATERIAL: Assorted									
					Olin College					
ALL DIMENSIONS ARE IN INCHES - INTERPRET DRAWINGS PER ASME	DIMENSIONS ARE IN INCHES.			of Engineer			neer	ing		
Y14.5-1994	ENGI	NEER	landrade	12/13/2015	TITLE					
TOLERANCES UNLESS OTHERWISE SPECIFIED:	DRA	WN	landrade	12/13/2015				)		
X.X ±0.03 X.XX ±0.01 X.XXX ±0.005	СНЕС	CHECKED hmuskin 12/13/2015					Right Valve Cam Assemb	oly		
±0.5° 125/	WHICH	IS CON	G CONTAINS IN IFIDENTIAL AND	PROPRIETARY	SIZE	PART N			REV	
REMOVE ALL BURRS AND SHARP EDGES 0.005 R OR S			B		ENG-600-0	<i>)0</i>	C			
CHAMFER MAX	WITHOUT EXPRESSED WRITTEN CONSENT.		SCALE	2:1	DO NOT SCALE PRINT	SHEET	1 OF 1			

/

Α

