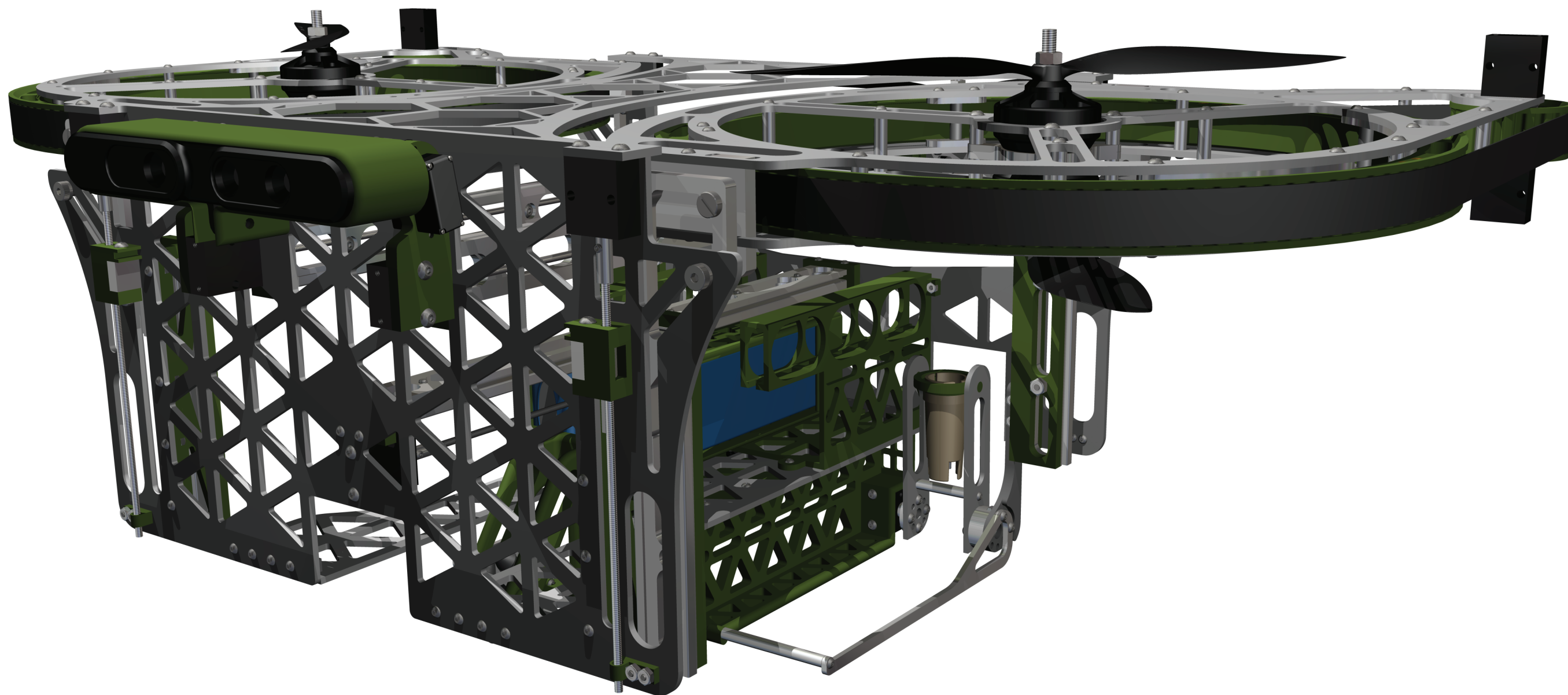


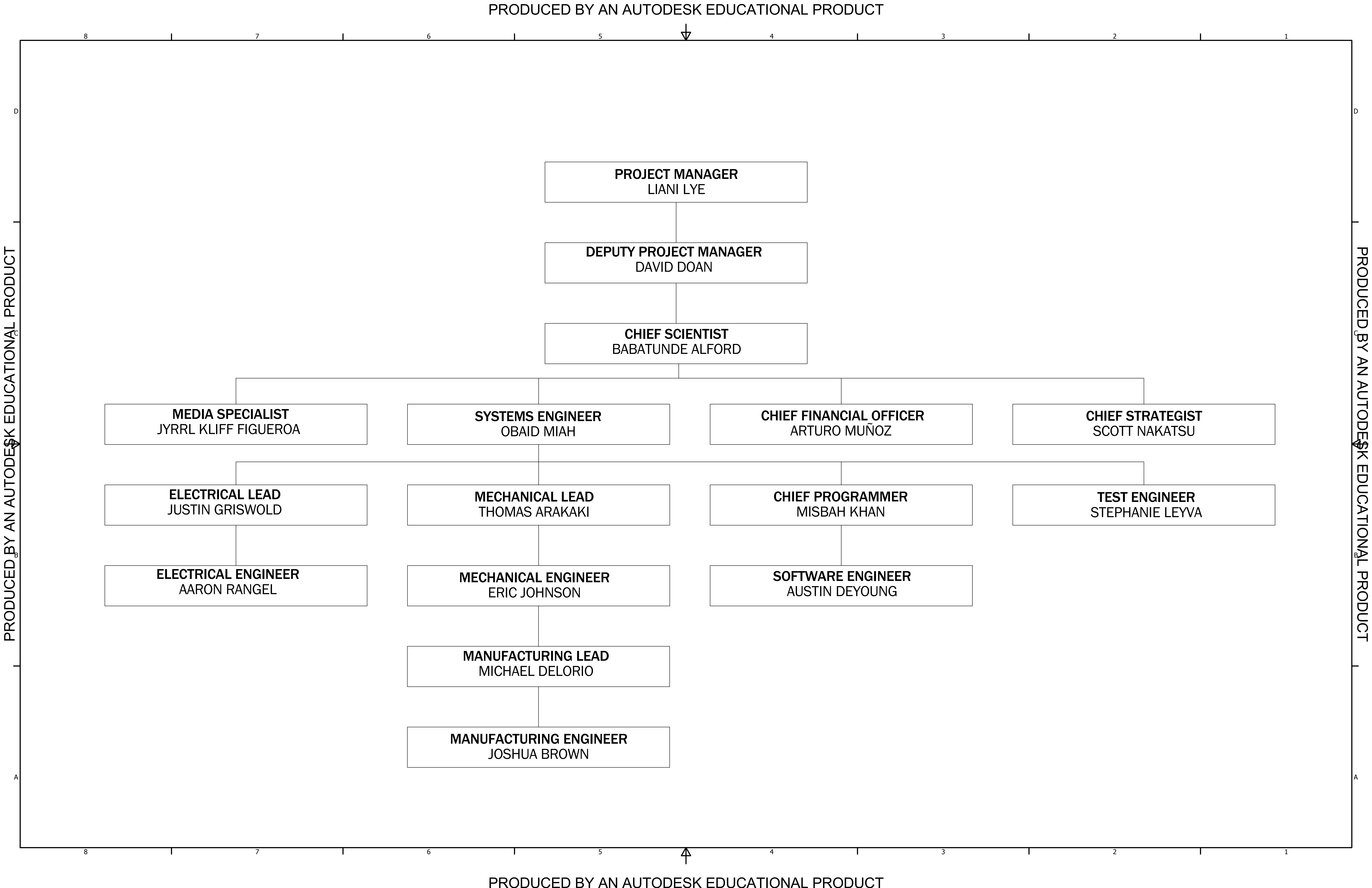


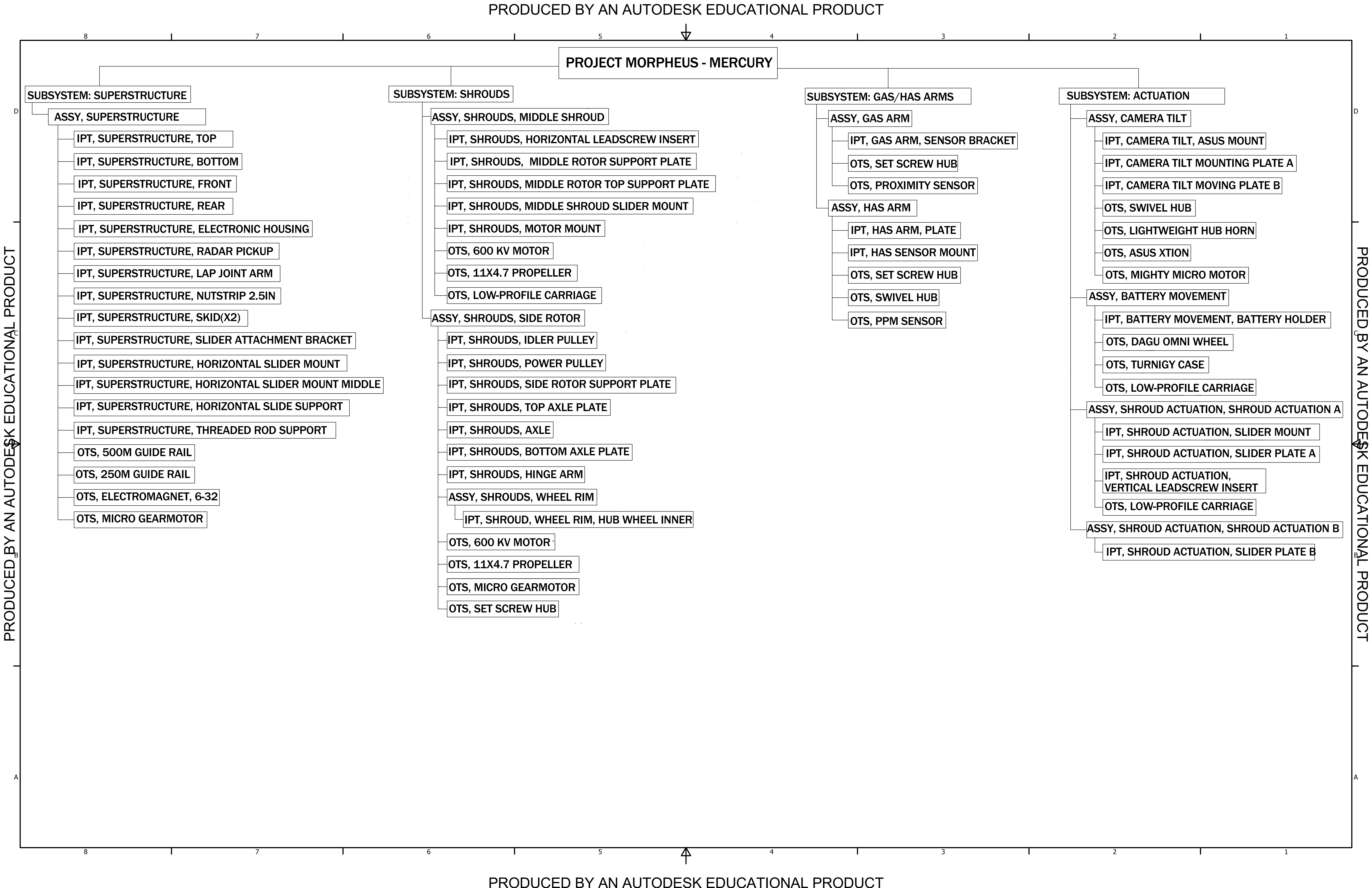
DELTA TECHNOLOGIES

TECHNICAL DATAPACKAGE

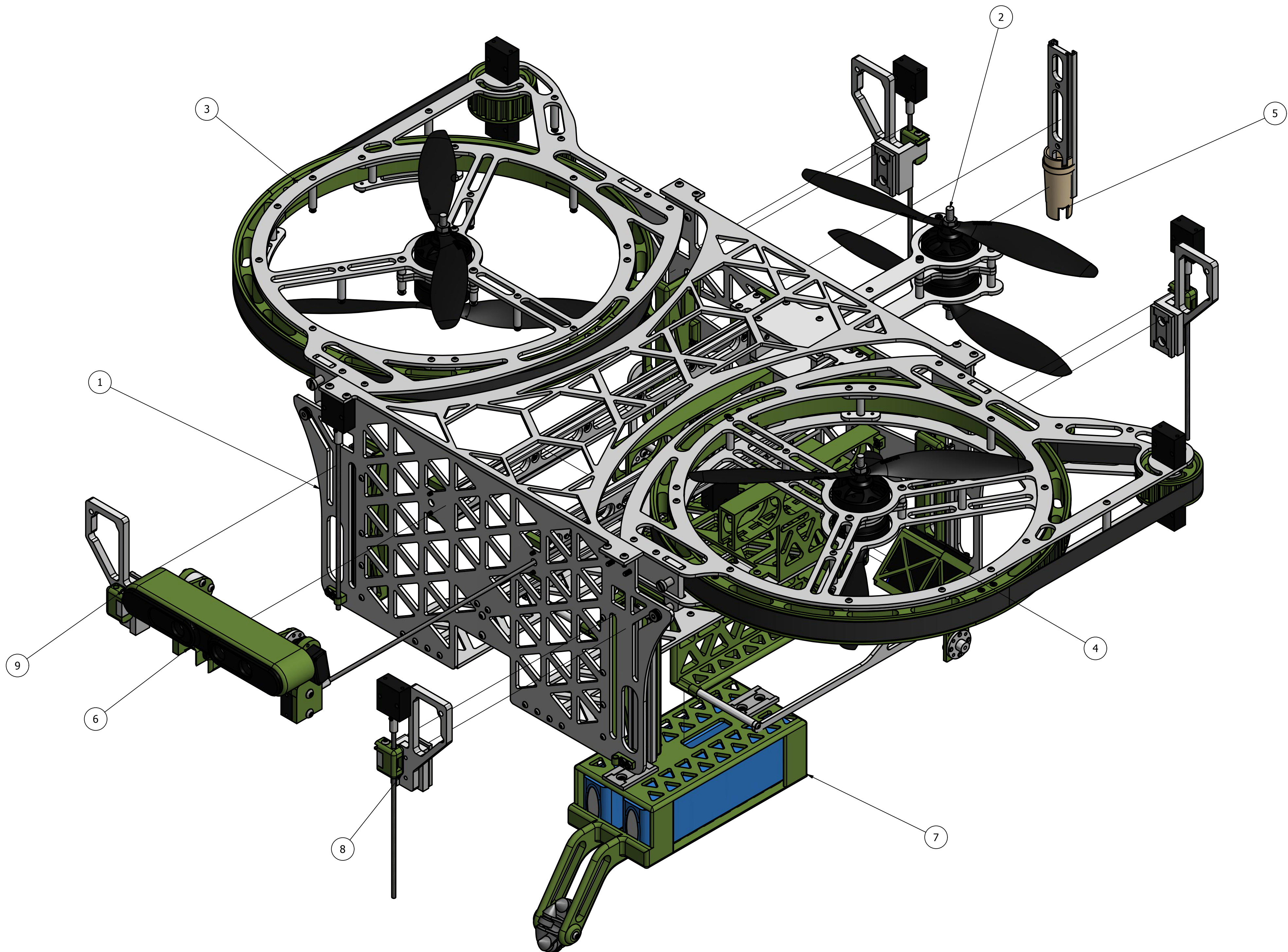
MERCURY







REVISION HISTORY		
REV	DESCRIPTION	APPROVED



NOTES: UNLESS OTHERWISE SPECIFIED

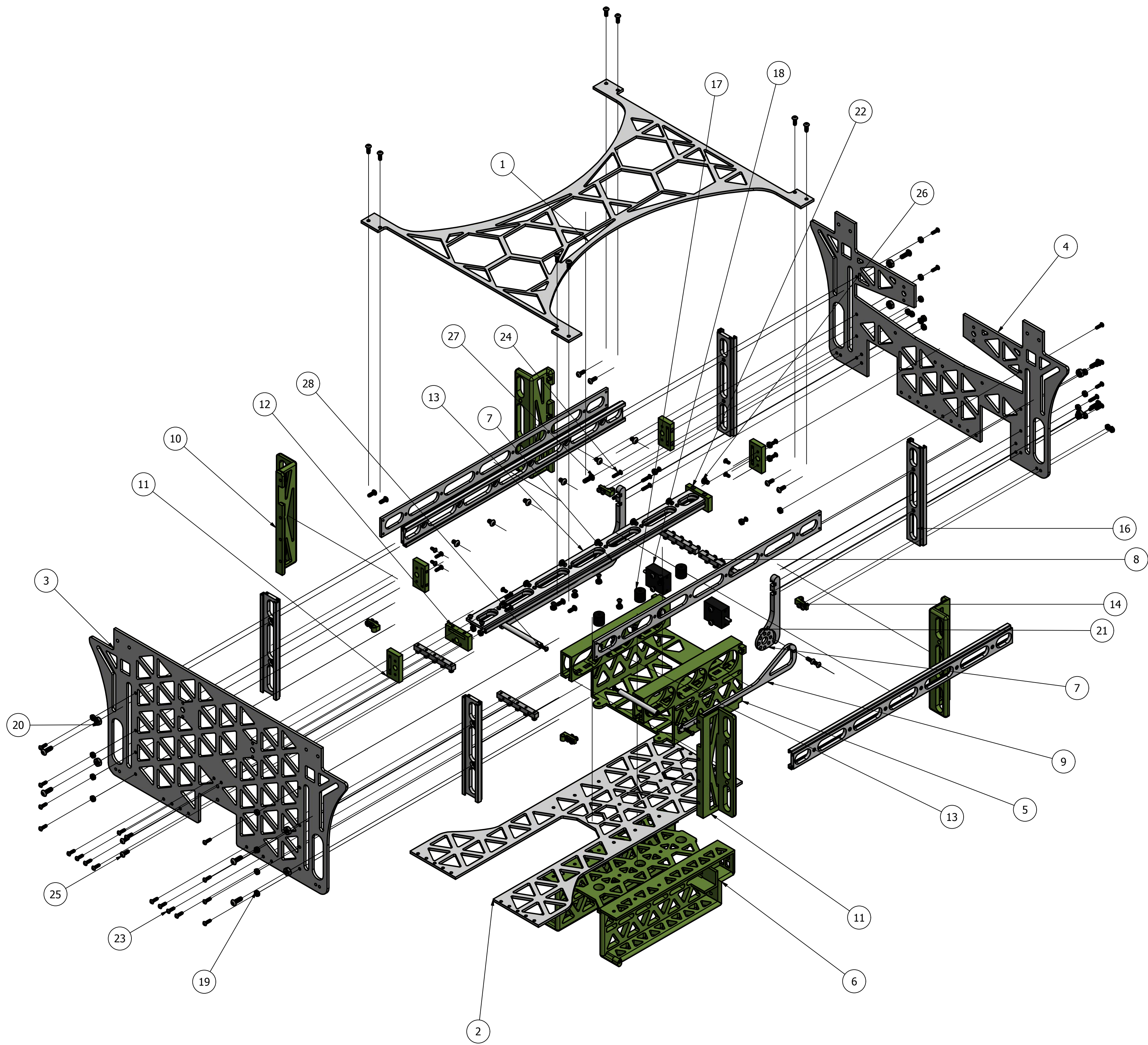
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	01-10-00	ASSY, SUPERSTRUCTURE
2	1	02-10-00	ASSY, SHROUDS, MIDDLE SHROUD
3	1	02-20-00	ASSY, SHROUDS, SIDE ROTOR
4	1	03-10-00	ASSY, GAS ARM
5	1	03-20-00	ASSY, HAS ARM
6	1	04-10-00	ASSY, CAMERA TILT
7	1	04-20-00	ASSY, BATTERY MOVEMENT
8	2	04-30-00	ASSY, SHROUD ACTUATION, SHROUD ACTUATION A
9	2	04-40-00	ASSY, SHROUD ACTUATION, SHROUD ACTUATION B

MATERIAL:	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		DRAWN: J FIGUEROA	4/11/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES
	UNDER .024 0	+ .0002 - .0005	CHECKED: O. MAH	4/24/2013	
FINISH:	.024 THRU .125	+ .0004 - .001	QA: D. DOAN	4/24/2013	TITLE: ASSY, MERCURY
	.126 THRU .250	+ .0005 - .001	INSP. M. DELORIO	4/24/2013	
WEIGHT: 14.4 LBS.	.251 THRU .500	+ .0005 - .001	APPROVED: L. LYE	4/24/2013	
	ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5°	DELTA TECHNOLOGIES		
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES.					
SCALE: 1:2 SUBSYSTEM				SHEET: 1 OF 1	

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PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



NOTES: UNLESS OTHERWISE SPECIFIED

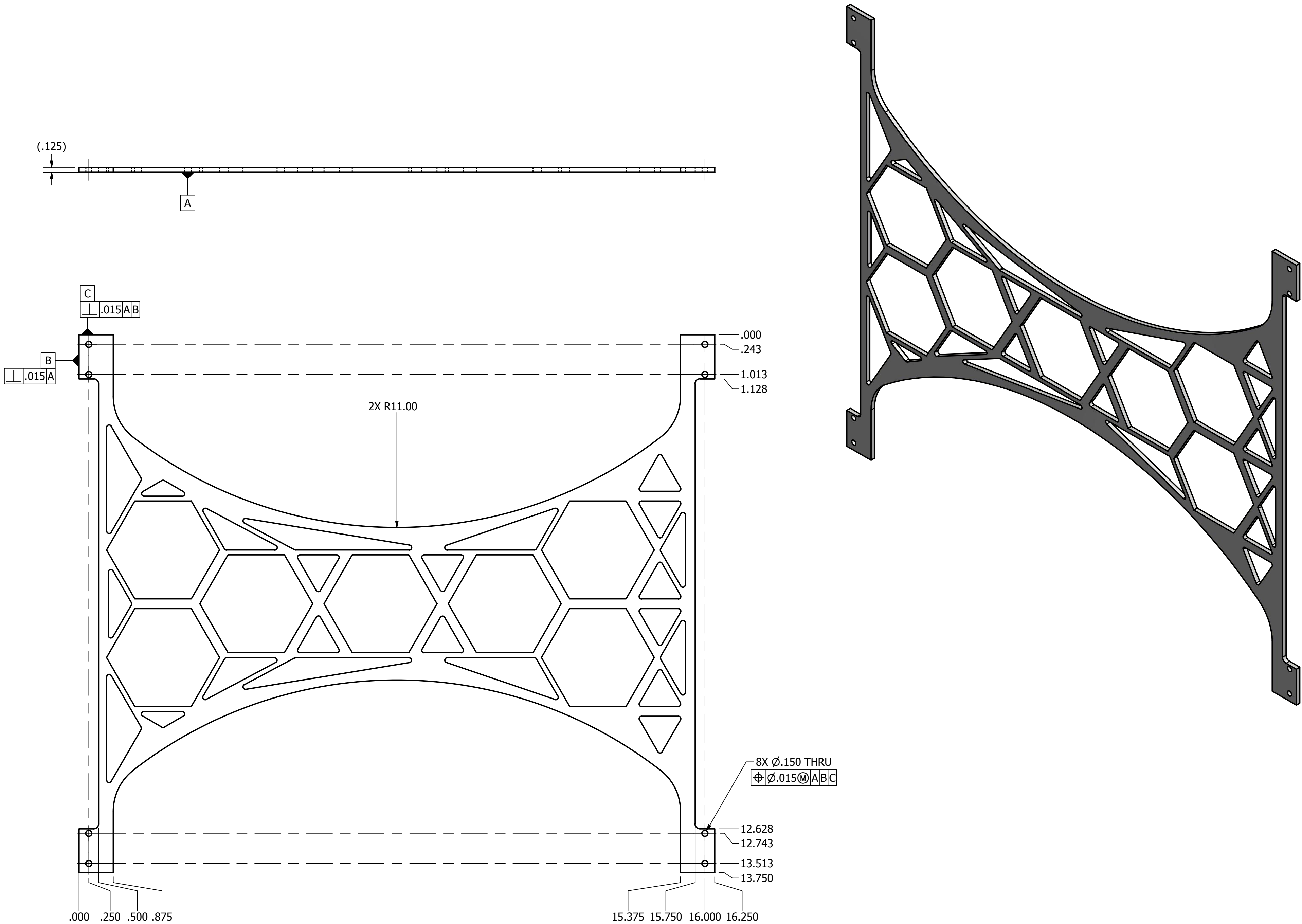
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

REVISION HISTORY			
REV		DESCRIPTION	APPROVED

28	2	93330A531	OTS, ALUMINUM FEMALE THREADED STANDOFF 1/4" OD, 2-1/2" LENGTH, 4-40 SCREW SIZE
27	8	91255A194	OTS, ALLOY STEEL BUTTON HEAD SOCKET CAP SCREW 8-32 THREAD, 1/2" LENGTH
26	18	91255A190	OTS, ALLOY STEEL BUTTON HEAD SOCKET CAP SCREW 8-32 THREAD, 1/4" LENGTH
25	26	91255A146	OTS, ALLOY STEEL BUTTON HEAD SOCKET CAP SCREW 6-32 THREAD, 3/8" LENGTH
24	10	91255A110	OTS, ALLOY STEEL BUTTON HEAD SOCKET CAP SCREW 4-40 THREAD, 1/2" LENGTH
23	76	91255A108	OTS, ALLOY STEEL BUTTON HEAD SOCKET CAP SCREW 4-40 THREAD, 3/8" LENGTH
22	16	91255A106	OTS, ALLOY STEEL BUTTON HEAD SOCKET CAP SCREW 4-40 THREAD, 1/4" LENGTH
21	4	90633A007	GRADE 2 STEEL NYLON-INSERT THIN HEX LOCKNUT ZINC-PLATED, 6-32 THREAD SIZE, 5/16" W, 1/8" H
20	8	90101A009	OTS, 18-8 SS NYLON-INSERT THIN HEX LOCKNUT 8-32 THREAD SIZE, 11/32" WIDTH, 11/64" HEIGHT
19	46	90101A004	OTS, 18-8 SS NYLON-INSERT THIN HEX LOCKNUT 4-40 THREAD SIZE, 1/4" WIDTH, 7/64" HEIGHT
18	2	MGB-298	OTS, MICRO GEARMOTORSBLOCKS
17	3	EM050-3-222	OTS, ELECTROMAGNET, 6-32
16	4	6723K2	OTS, 250M GUIDE RAILS
15	3	6723K2	OTS, 500M GUIDE RAILS
14	4	01-10-14	IPT, SUPERSTRUCTURE, THREADED ROD SUPPORT
13	3	01-10-13	IPT, SUPERSTRUCTURE, HORIZONTAL SLIDER SUPPORT
12	2	01-10-12	IPT, SUPERSTRUCTURE, HORIZONTAL SLIDER MOUNT MIDDLE
11	4	01-10-11	IPT, SUPERSTRUCTURE, HORIZONTAL SLIDER MOUNT
10	4	01-10-10	IPT, SUPERSTRUCTURE, SLIDER ATTACHMENT BRACKET
9	2	01-10-09	IPT, SUPERSTRUCTURE, SKID
8	4	01-10-08	IPT, SUPERSTRUCTURE, NUTSTRIP 2.5IN
7	2	01-10-07	IPT, SUPERSTRUCTURE, LAP JOINT ARM
6	1	01-10-06	IPT, SUPERSTRUCTURE, RADAR PICKUP
5	1	01-10-05	IPT, SUPERSTRUCTURE, ELECTRONIC HOUSING
4	1	01-10-04	IPT, SUPERSTRUCTURE, REAR
3	1	01-10-03	IPT, SUPERSTRUCTURE, FRONT
2	1	01-10-02	IPT, SUPERSTRUCTURE, BOTTOM
1	1	01-10-01	IPT, SUPERSTRUCTURE, TOP
ITEM	QTY	PART NUMBER	DESCRIPTION

MATERIAL:		UNLESS OTHERWISE SPECIFIED		DRAWN: D. DOAN	4/23/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES
		TOLERANCES ON ALL HOLE DIAMETERS		CHECKED: O. MAH	4/24/2013	
FINISH:	UNDER .014 0	+ .004 - .006	500 THRU .750	+ .008 - .016	4/24/2013	
	.024 THRU .125	+ .004 - .001	.751 THRU 1.000	+ .010 - .001	4/24/2013	
	.126 THRU .250	+ .005 - .001	1.000 THRU 2.000	+ .012 - .001	4/24/2013	
WEIGHT:	251 THRU .500	+ .005 - .001	OVER 2.000	+ .015 - .005	4/24/2013	
	4.034 LBS.					
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES.			ON ANGULAR DIMENSIONS:		 DELTA TECHNOLOGIES	
			MACHINED ± 0°30'			
			LOCATING ± 0°30'			
			CHAMFERS ± 5°			
TITLE: ASSY, SUPERSTRUCTURE						
SIZE: DWG NO: 01-10-00						
SCALE: 1:3 SUBSYSTEM: SUPERSTRUCTURE SHEET: 1 OF 1						
REV: —						

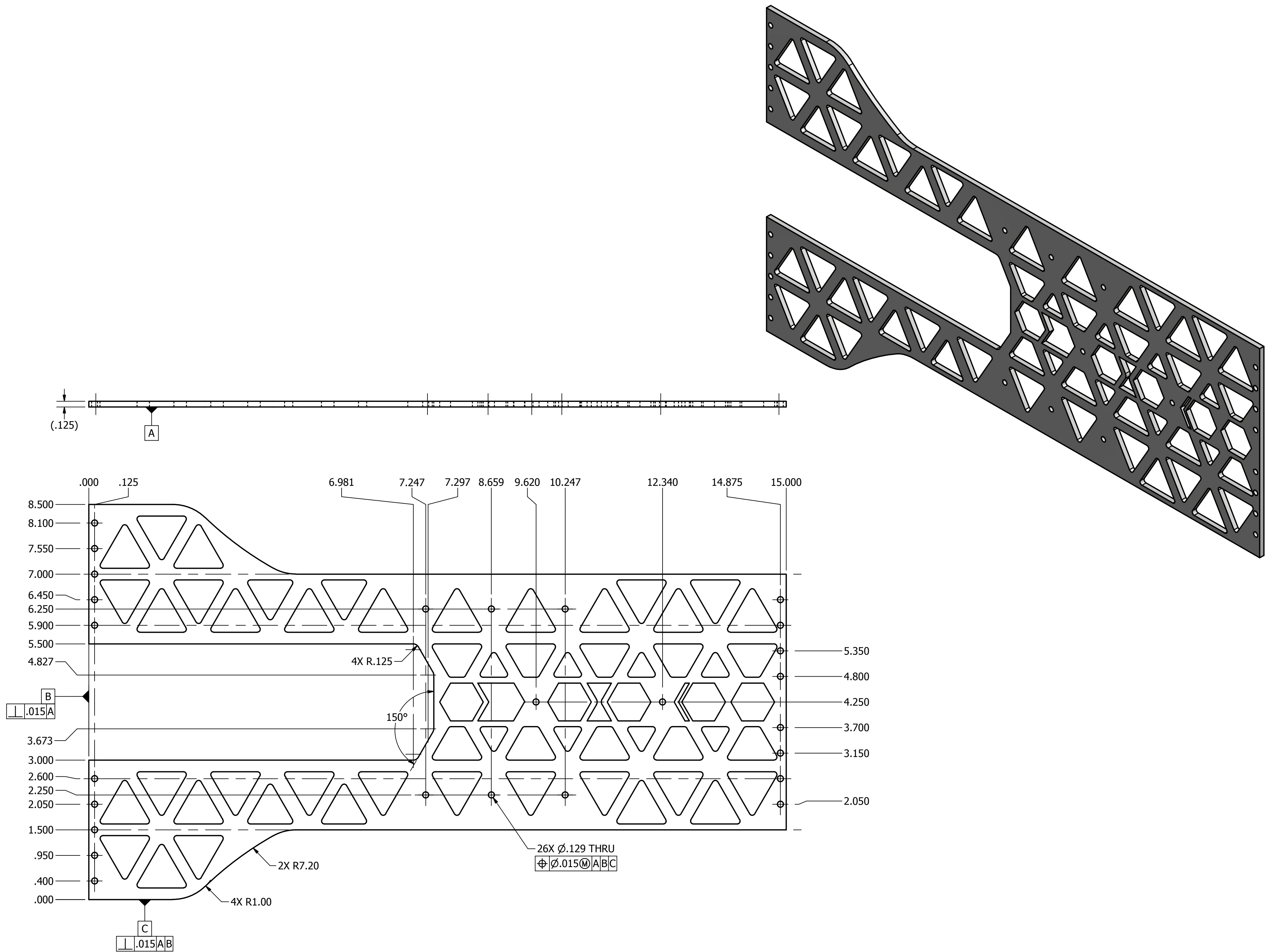
REVISION HISTORY		
REV	DESCRIPTION	APPROVED



NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

1	1	1-10-01	TOP PLATE		
ITEM	QTY	PART NUMBER	DESCRIPTION	SPECIFICATION	
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		DRAWN: D. DOAN	
ALUMINUM COMPOSITE		UNDER .024 0		CHECKED: J. FIGUEROA	
FINISH:		.024 THRU .125		DATE: D. DOAN	
WEIGHT:		.125 THRU .250		INPS: M. DELORIO	
0.302 LBS.		.251 THRU .500		APPROVED: L. LYE	
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1		ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5	
				DELTA TECHNOLOGIES	
				TITLE: IPT, SUPERSTRUCTURE, TOP	
				SIZE: DWG NO: D 01-10-01	
				SCALE: 3/5 SUBSYSTEM: SUPERSTRUCTURE SHEET: 1 OF 1	
				REV: ---	

REVISION HISTORY		
REV	DESCRIPTION	APPROVED

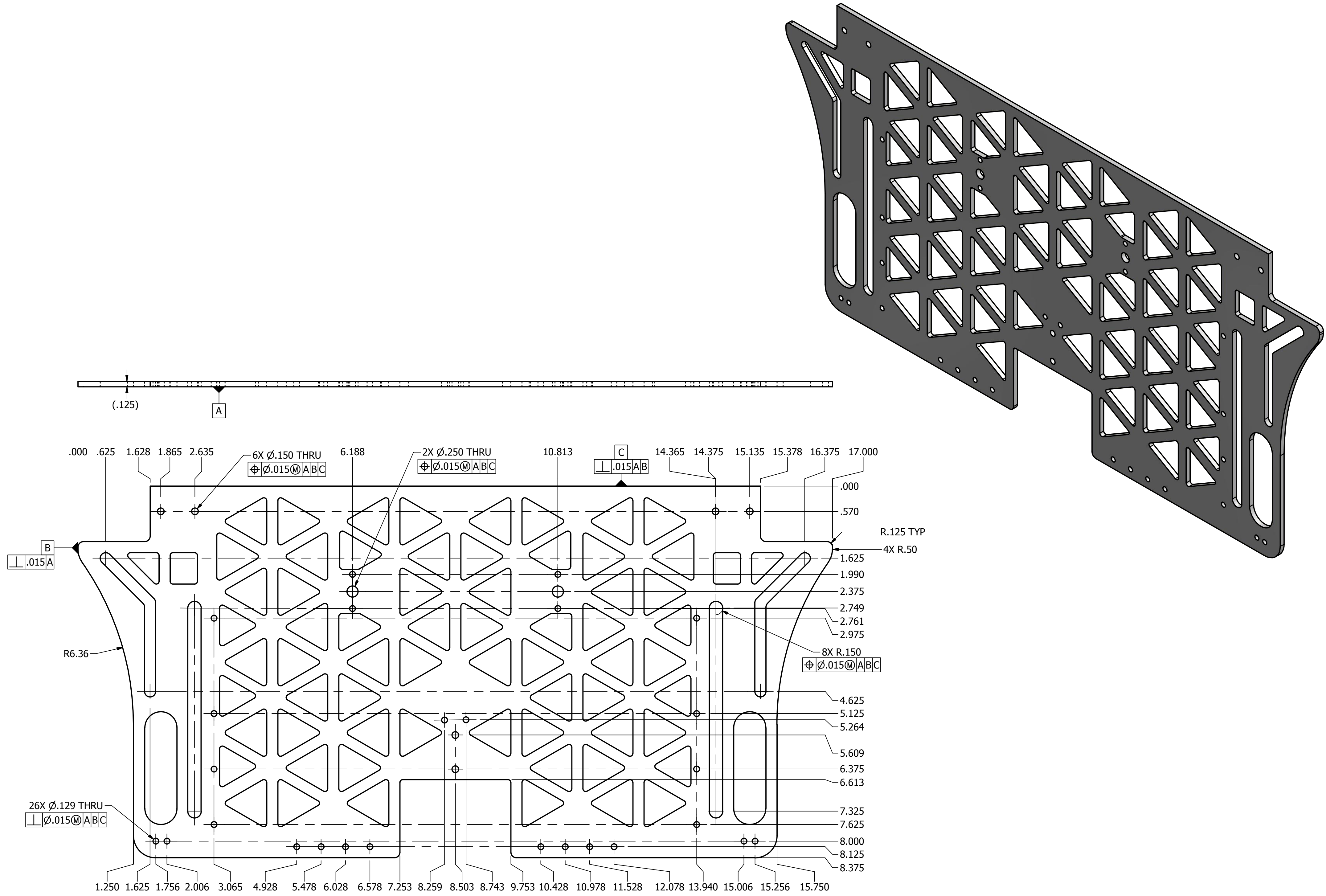


NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

2		1	01-10-02		BOTTOM SUPPORTING PLATE					
ITEM	QTY	PART NUMBER			DESCRIPTION				SPECIFICATION	
MATERIAL:		ALUMINUM COMPOSITE				UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		DRAWN: D. DOAN CHECKED: O. MAH DATE: 4/11/2013		CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES
FINISH:								DATE: 4/23/2013		
WEIGHT:		0.252 LBS.						DATE: 4/23/2013		
								DATE: 4/23/2013		
								DATE: 4/23/2013		
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: XXX ±.010 XX ±.03 X ±.1		ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5°		 DELTA TECHNOLOGIES		SIZE: DWG NO: D 01-10-02 SCALE 3/4 SUBSYSTEM: SUPERSTRUCTURE SHEET: 1 OF 1		REV: —

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



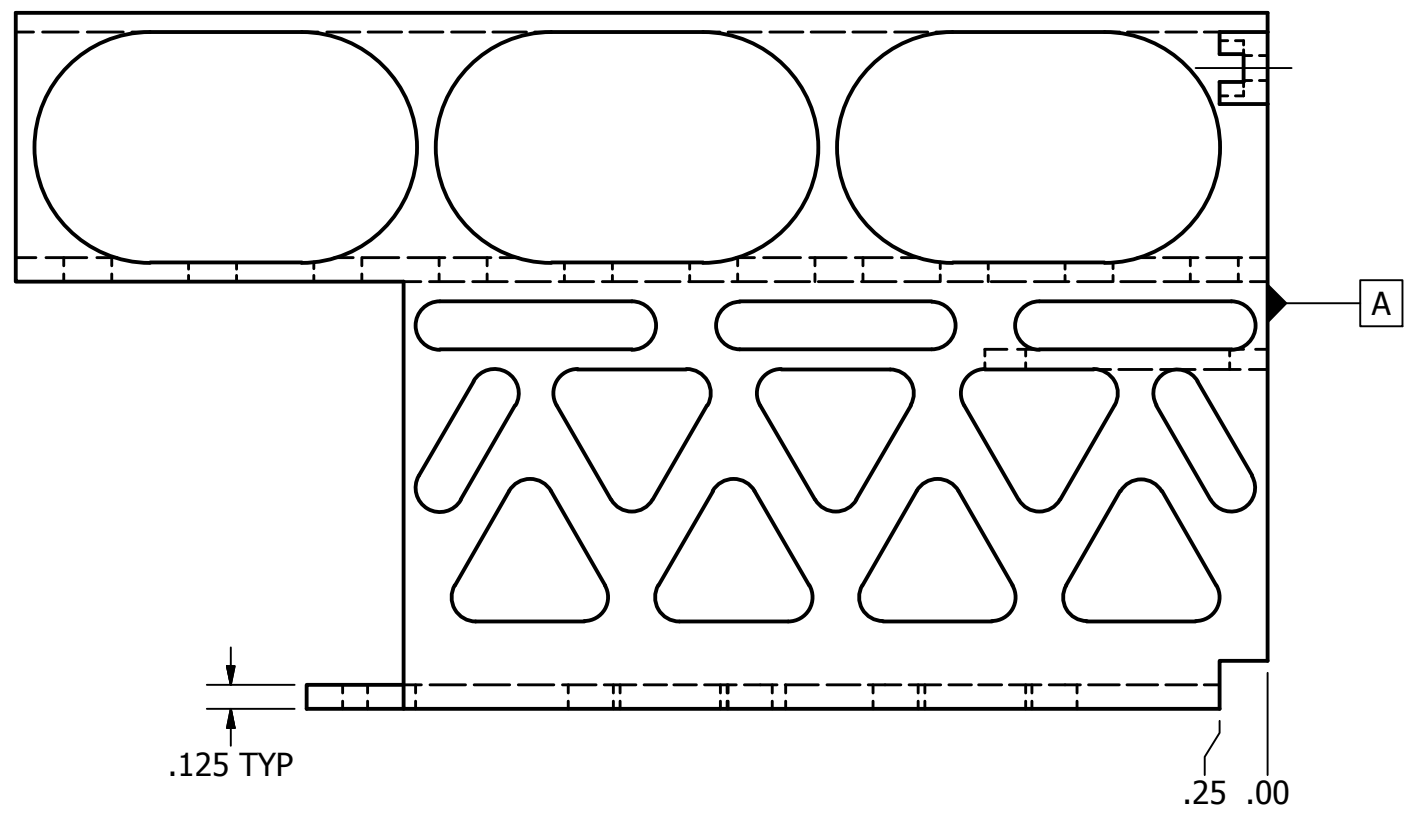
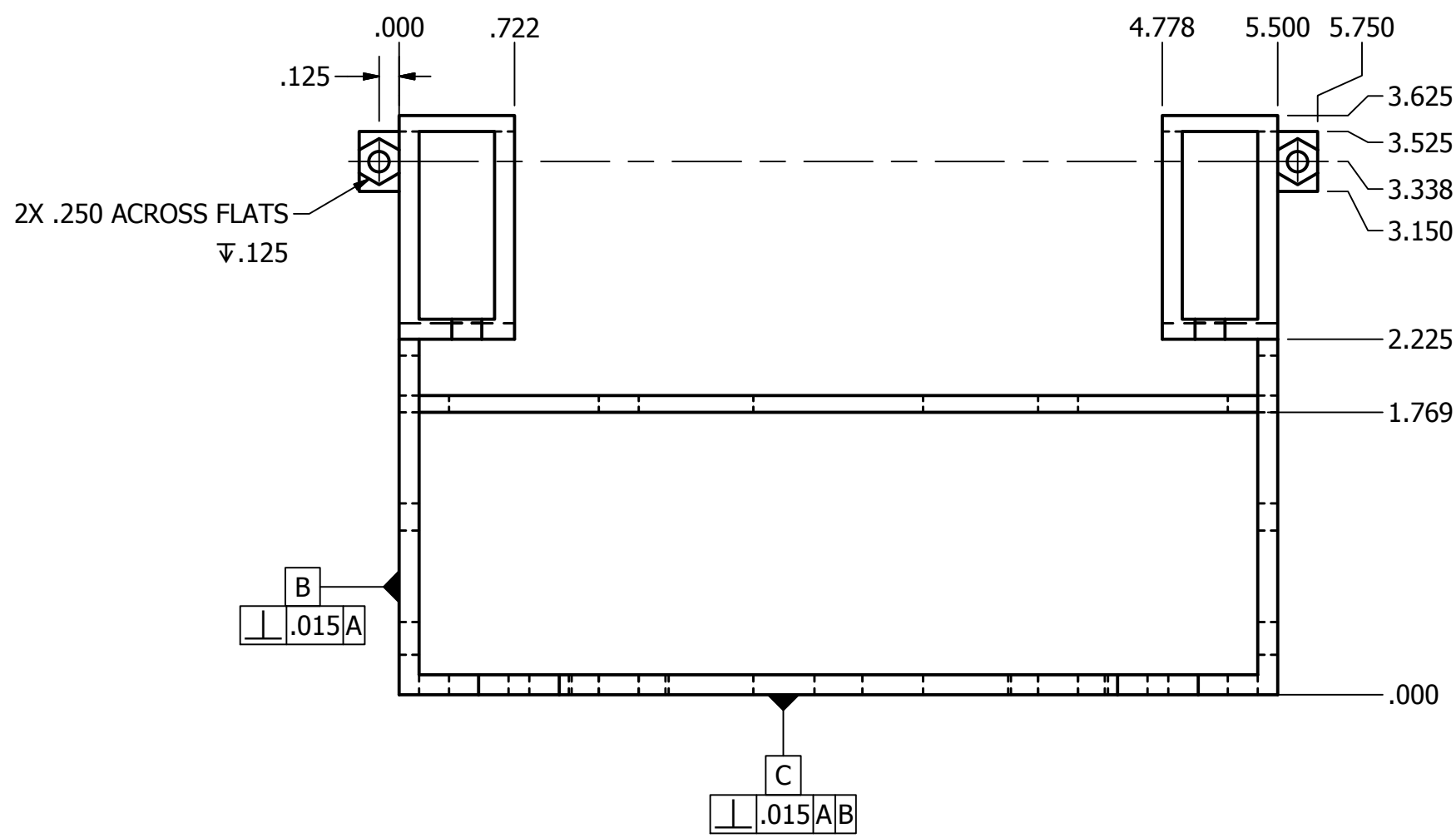
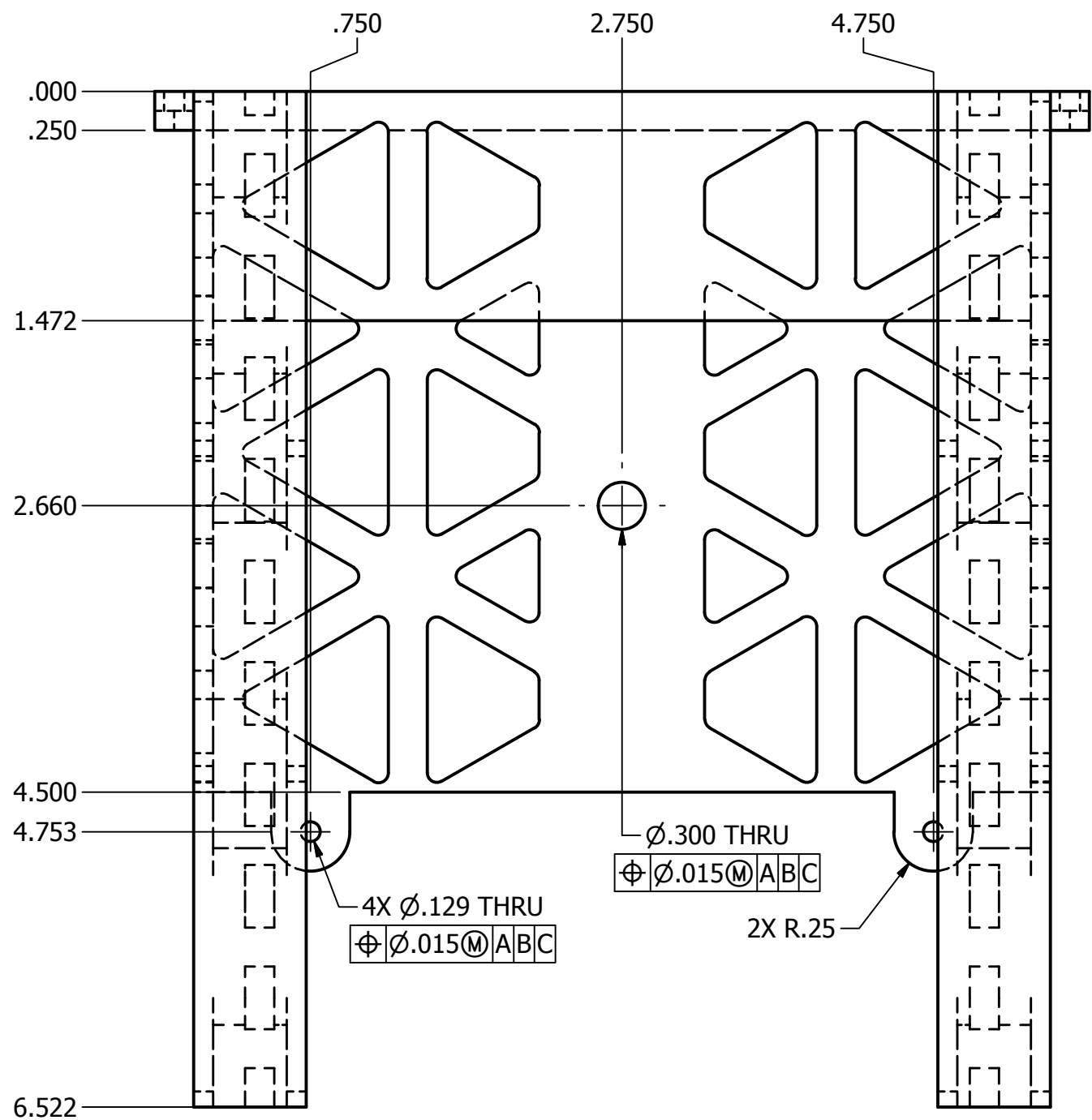
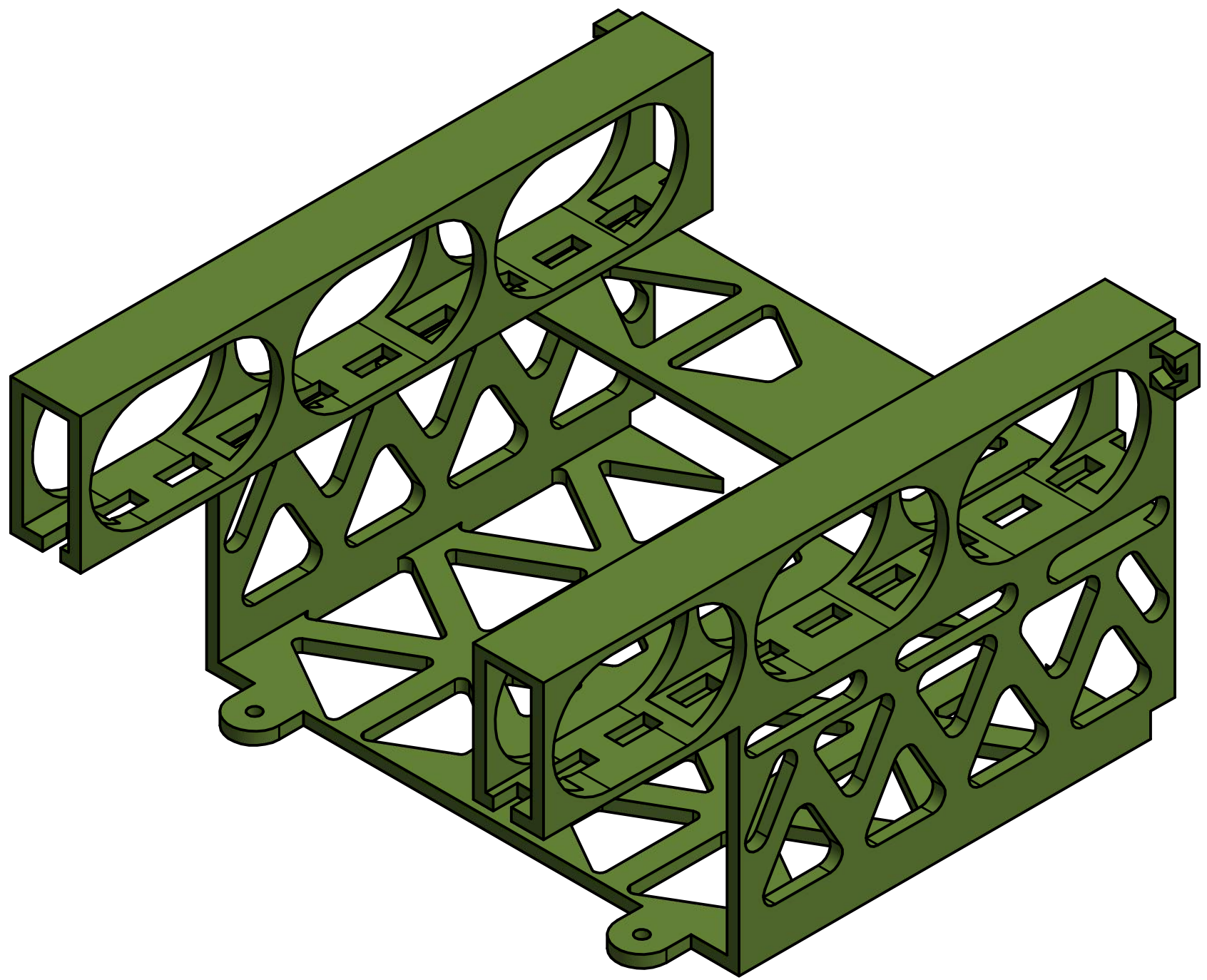
NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

3	1	01-10-03	FRONT PLATE		
ITEM	QTY	PART NUMBER	DESCRIPTION		SPECIFICATION
MATERIAL:		ALUMINUM COMPOSITE	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN: D. DOAN	4/11/2013
FINISH:				CHECKED: O. MAH	4/24/2013
WEIGHT:		0.489 LBS.		D. DOAN	4/24/2013
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: XXX ±.010 XX ±.03 X ±.1	ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5	INSP: M. DELORIO APPROVED: L. LYE	4/24/2013
				DELTA TECHNOLOGIES	
				SCALE: 3/4	SUBSYSTEM: SUPERSTRUCTURE SHEET: 1 OF 1
				SIZE: DWG NO: D 01-10-03	REV: ---

[illegible]

REVISION HISTORY		
REV	DESCRIPTION	APPROVED

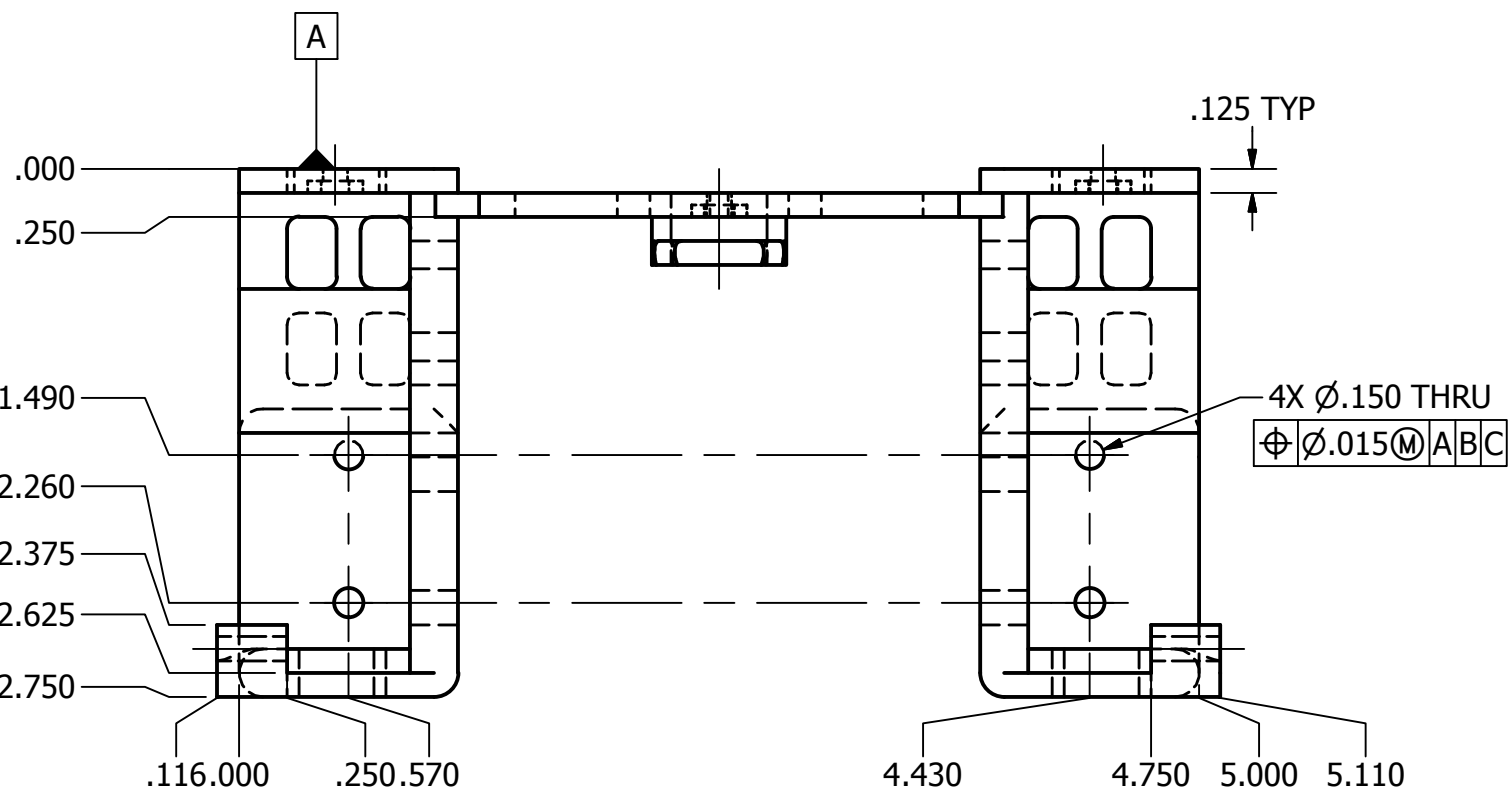
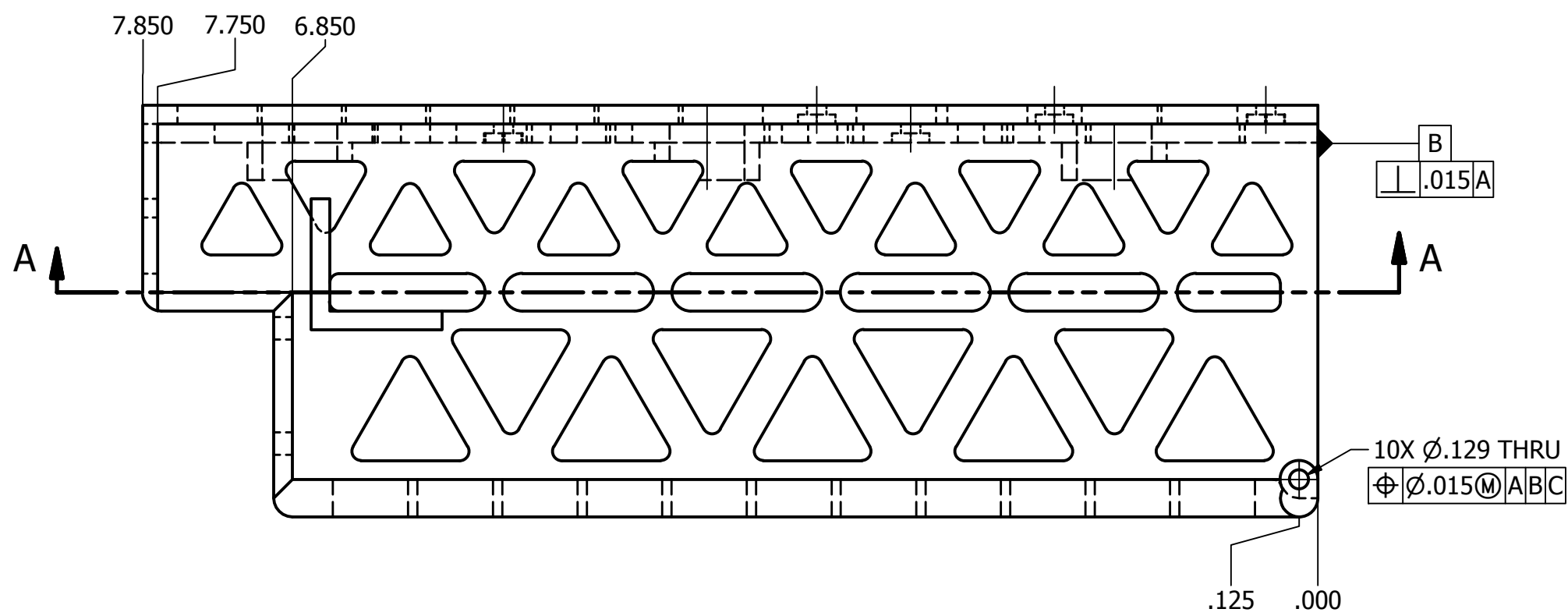
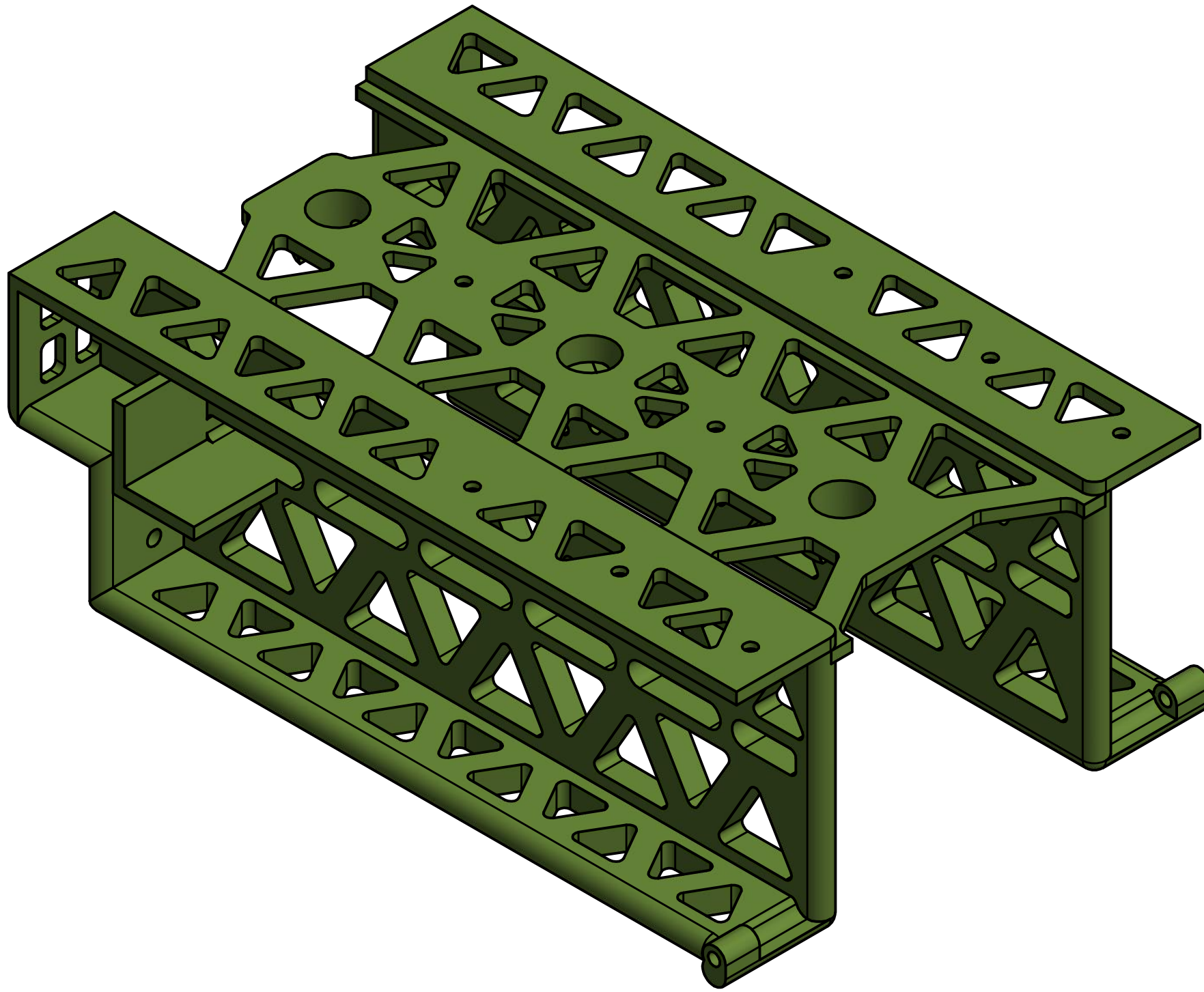
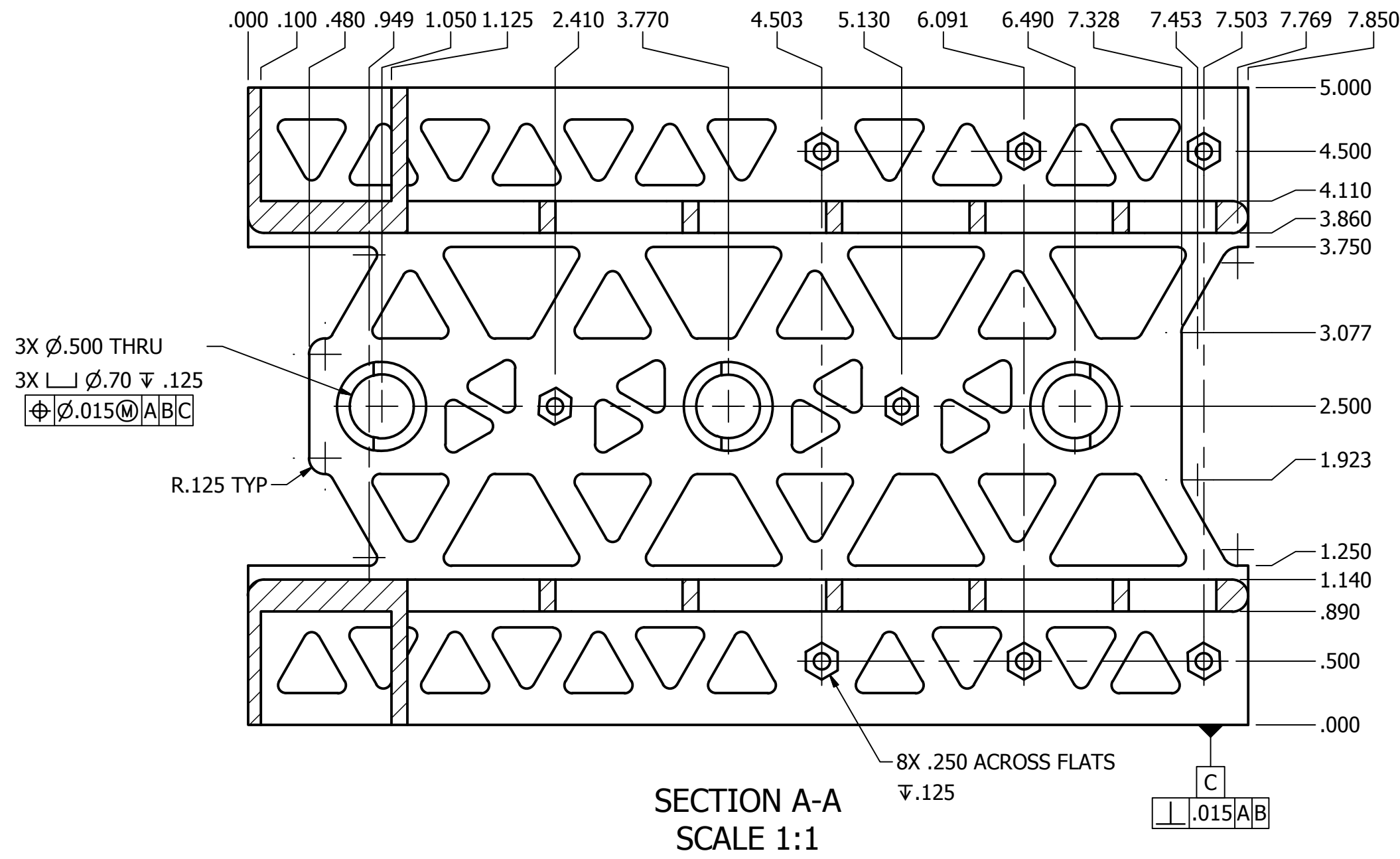


NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

5	1	01-10-05	ELECTRICAL COMPONENT HOUSING		
ITEM	QTY	PART NUMBER	DESCRIPTION		SPECIFICATION
MATERIAL:		ABS PLASTIC	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN: D. DOAN CHECKED: O. MAH DATE: 4/11/2013 4/24/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES
FINISH:			UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN: D. DOAN CHECKED: O. MAH DATE: 4/11/2013 4/24/2013	
WEIGHT:		0.241 LBS.	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN: D. DOAN CHECKED: O. MAH DATE: 4/11/2013 4/24/2013	IPT, SUPERSTRUCTURE, ELECTRONIC HOUSING
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES			ON DECIMAL DIMENSIONS: XXX ±.010 XX ±.03 X ±.1	ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5	
					DELTA TECHNOLOGIES
					SCALE: 1:1 SUBSYSTEM: SUPERSTRUCTURE SHEET: 1 OF 1

REVISION HISTORY		
REV	DESCRIPTION	APPROVED

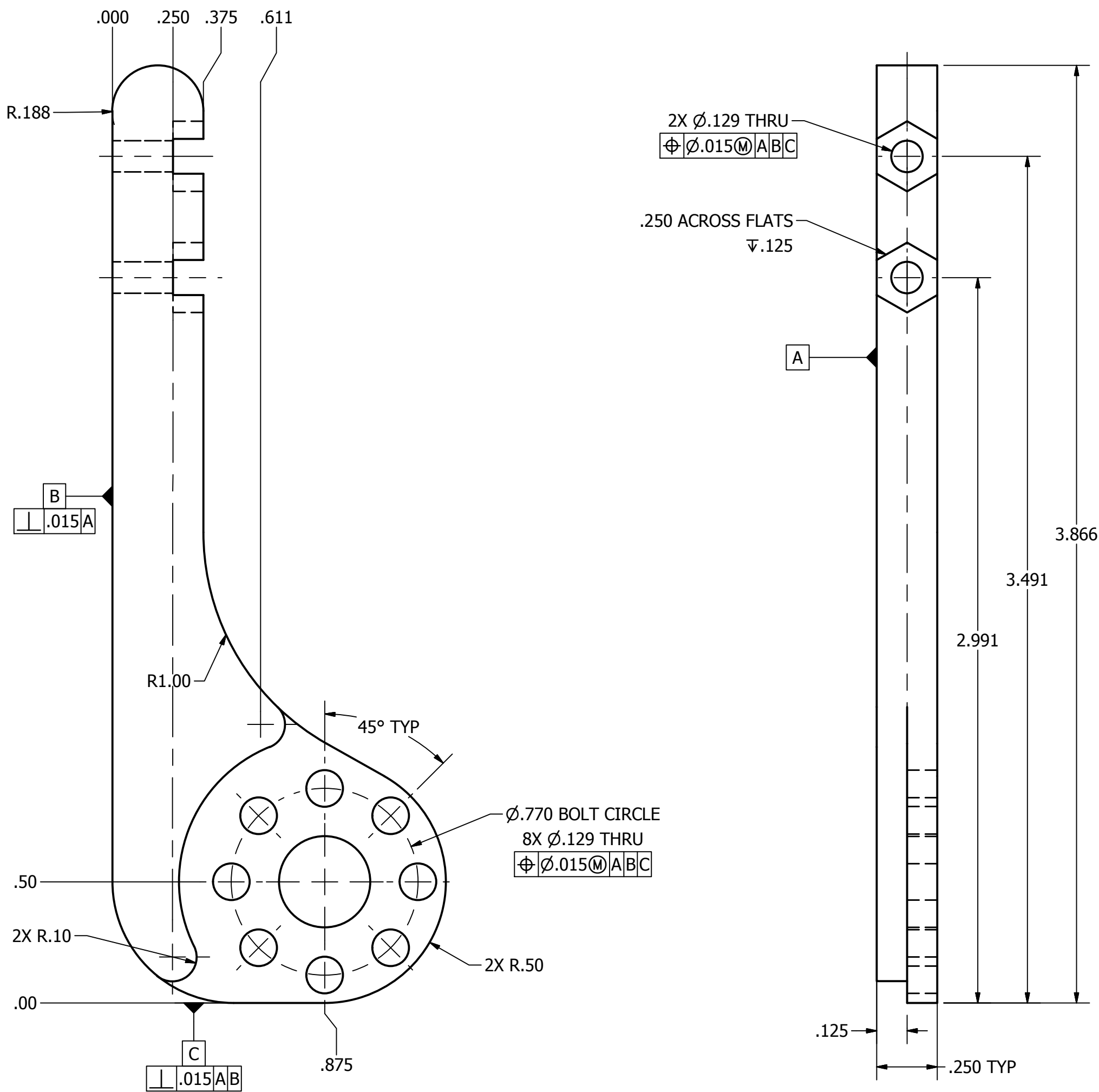
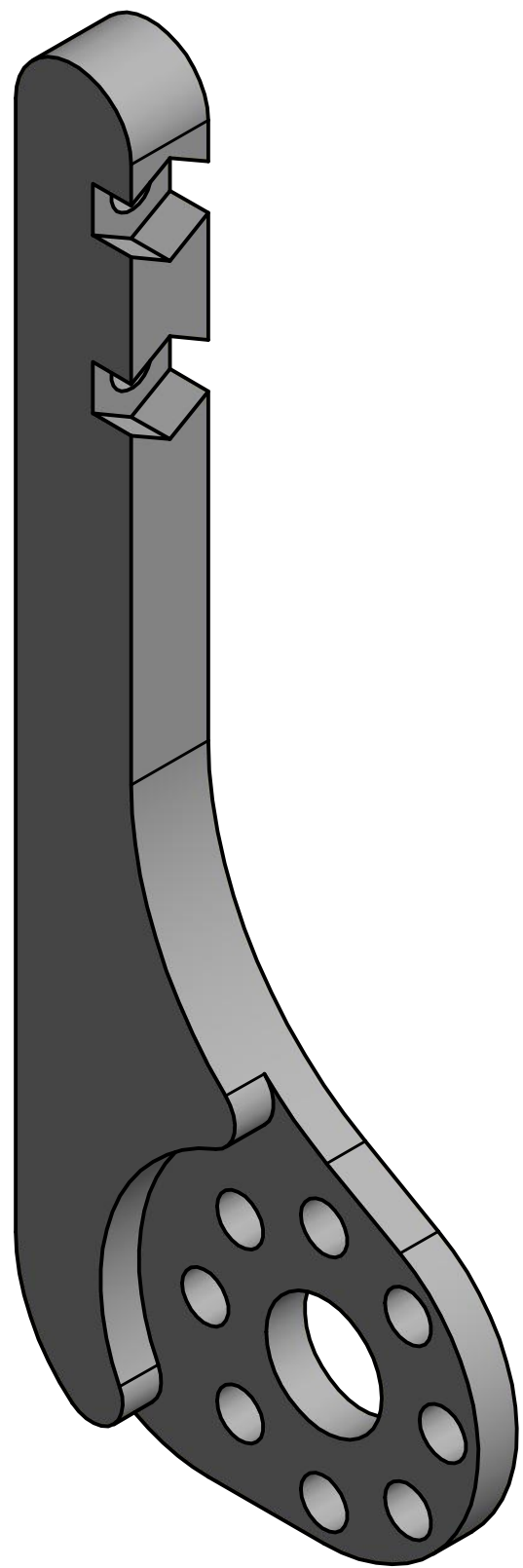


NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

6		1	01-10-06	RADAR PICKUP			
ITEM	QTY	PART NUMBER		DESCRIPTION		SPECIFICATION	
MATERIAL:		ABS PLASTIC		DRAWN: D. DOAN CHECKED: O. MAH DATE: 4/11/2013 DATE: 4/24/2013		CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES	
FINISH:				DRAWN: D. DOAN CHECKED: M. DELORIO DATE: 4/24/2013 DATE: 4/24/2013		TITLE: IPT, SUPERSTRUCTURE, RADAR PICKUP	
WEIGHT:		0.492 LBS.		DATE: 4/24/2013		SCALE: 1:1	
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: XXX $\pm$.010 XX $\pm$.03 X $\pm$.1		ON ANGULAR DIMENSIONS: HATCHING $\pm$ 0°30' LOCATING $\pm$ 0°30' CHAMFERS $\pm$ 5		DELTA TECHNOLOGIES	
						SIZE: D DWG NO: 01-10-06 SCALE: 1:1	
						SUBSYSTEM: SUPERSTRUCTURE	
						SHEET: 1 OF 1	

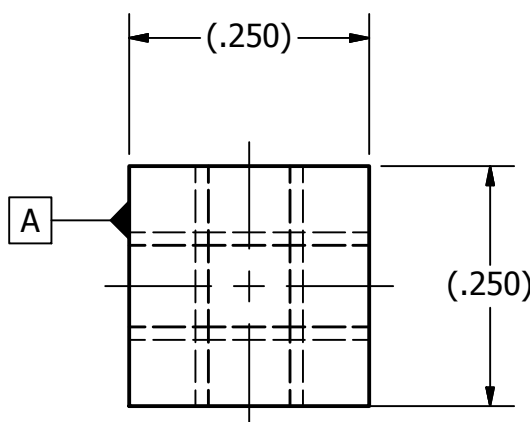
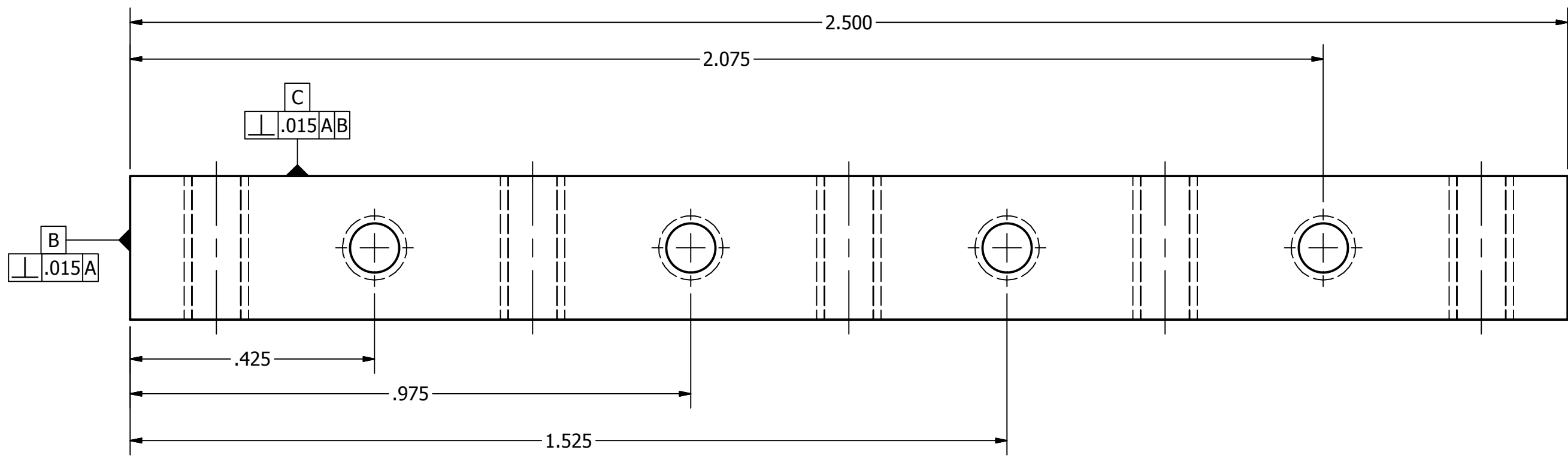
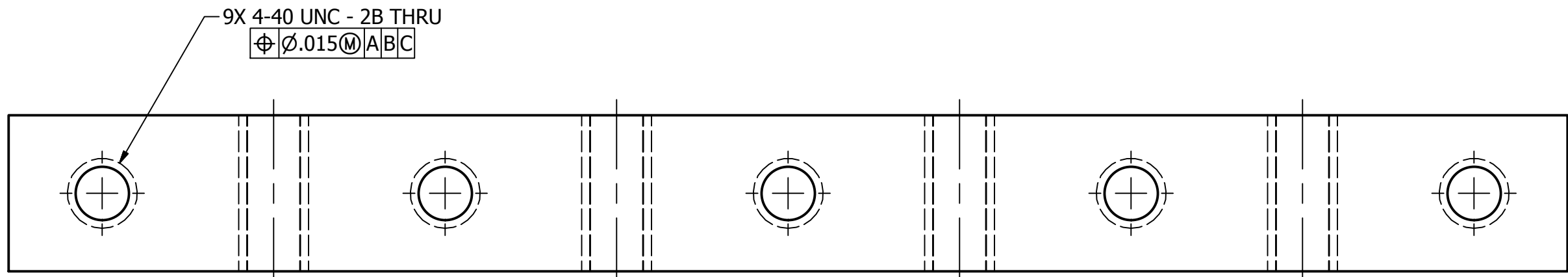
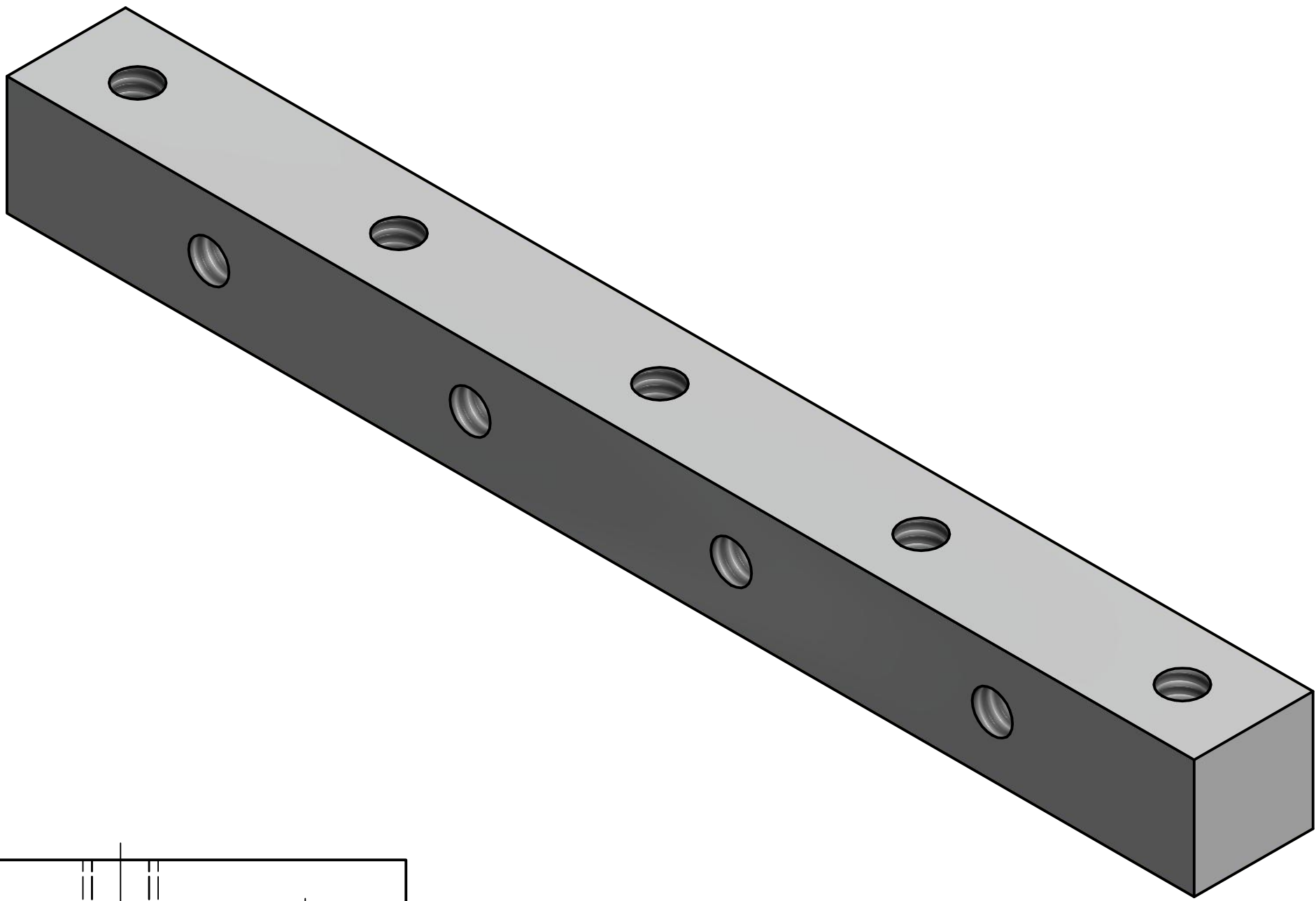
REVISION HISTORY		
REV	DESCRIPTION	APPROVED



NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

7	2	01-10-07	LAP JOINT ARM		
ITEM	QTY	PART NUMBER	DESCRIPTION		SPECIFICATION
MATERIAL:		ABS PLASTIC	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN: D. DOAN 4/11/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES
FINISH:			UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	CHECKED: O. MAH 4/24/2013	
WEIGHT:		0.016 LBS.	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN: D. DOAN 4/24/2013	IPT, SUPERSTRUCTURE LAP JOINT ARM
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES			ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5	
				DELTA TECHNOLOGIES	SIZE: D DWG NO: 01-10-07 SCALE: 7:3
					REV: -
					SUBSYSTEM: SUPERSTRUCTURE SHEET: 1 OF 1

REVISION HISTORY		
REV	DESCRIPTION	APPROVED

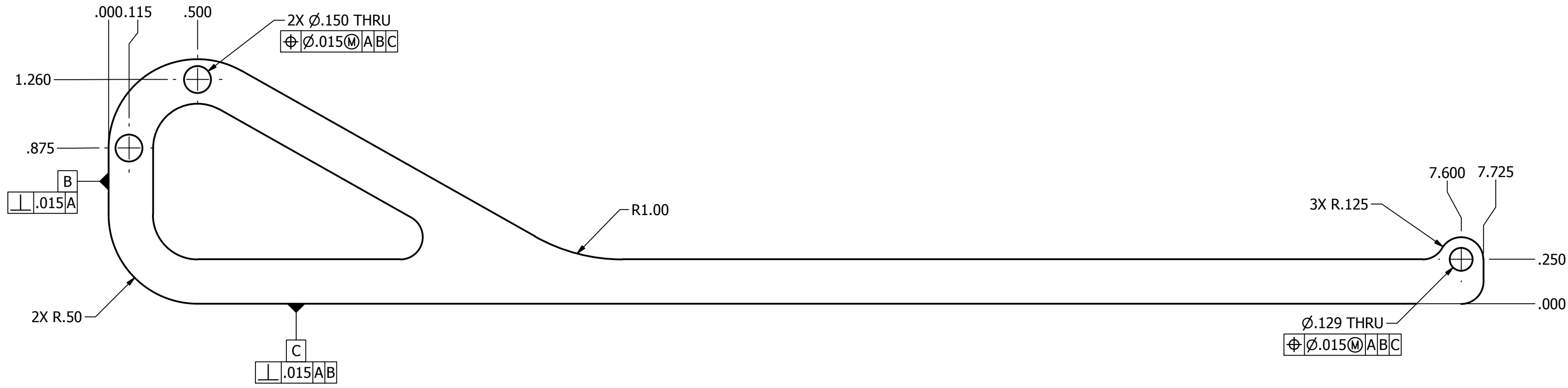
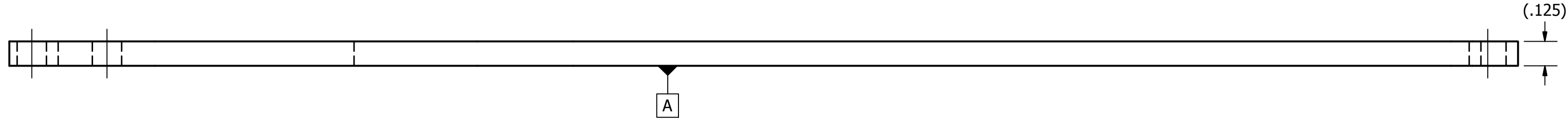
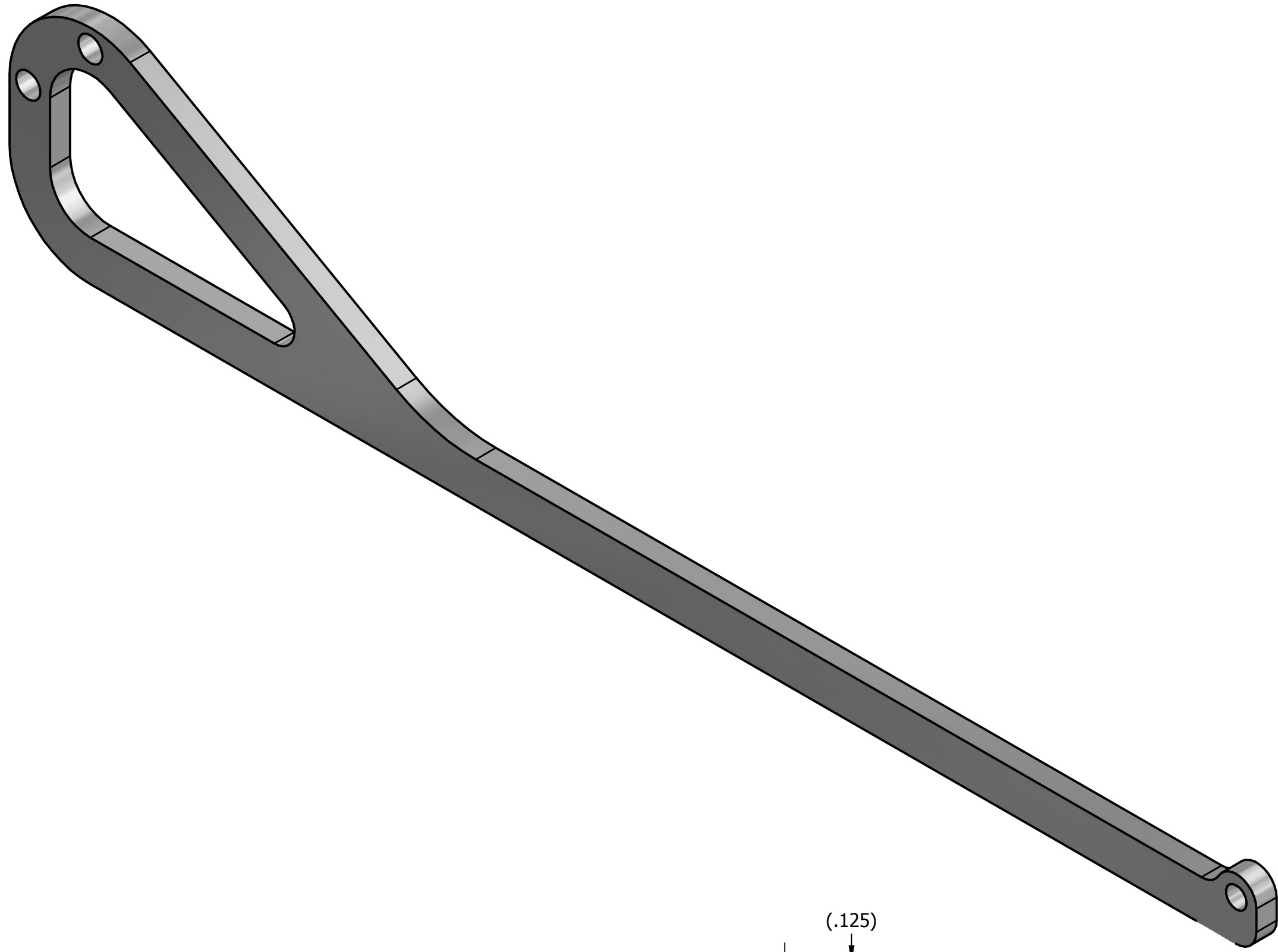


NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

8	4	01-10-08	NUT STRIP		
ITEM	QTY	PART NUMBER		DESCRIPTION	SPECIFICATION
MATERIAL:		ALUM 6061		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN: D. DOAN 4/11/2013
FINISH:				CHECKED: O. MAH 4/24/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES
WEIGHT:		.014 LBS.		D. DOAN 4/24/2013	
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1		ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5	INPS: M. DELORIO 4/24/2013
				APPROVED: L. LYE 4/24/2013	DELTA TECHNOLOGIES
				TITLE: IPT, SUPERSTRUCTURE, NUTSTRIP 2.5IN	
				SCALE: 5:1 SUBSYSTEM: SUPERSTRUCTURE SHEET: 1 OF 1	
				REV: ---	

REVISION HISTORY		
REV	DESCRIPTION	APPROVED

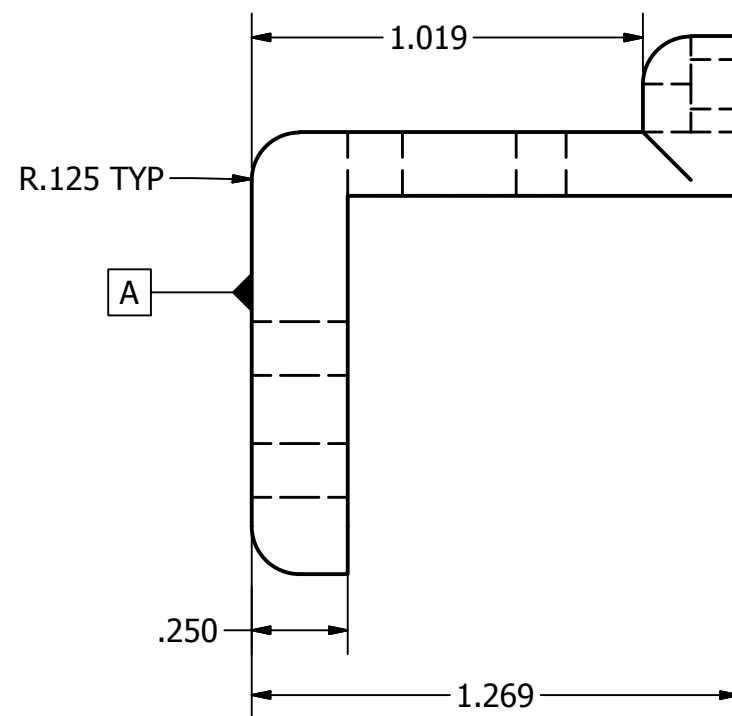


NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

9	2	01-10-09	SKID PLATE		
ITEM	QTY	PART NUMBER	DESCRIPTION		SPECIFICATION
MATERIAL:		ALUM 6061	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN: D. DOAN 4/11/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES
FINISH:			UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	CHECKED: O. MAH 4/24/2013	
WEIGHT:		.034 LBS.	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN: D. DOAN 4/24/2013	
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES			ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINING ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5	
				APPROVED: L. LYE 4/24/2013	DELTA TECHNOLOGIES
					SCALE: 2:1
					SUBSYSTEM: SUPERSTRUCTURE
					SHEET: 1 OF 1

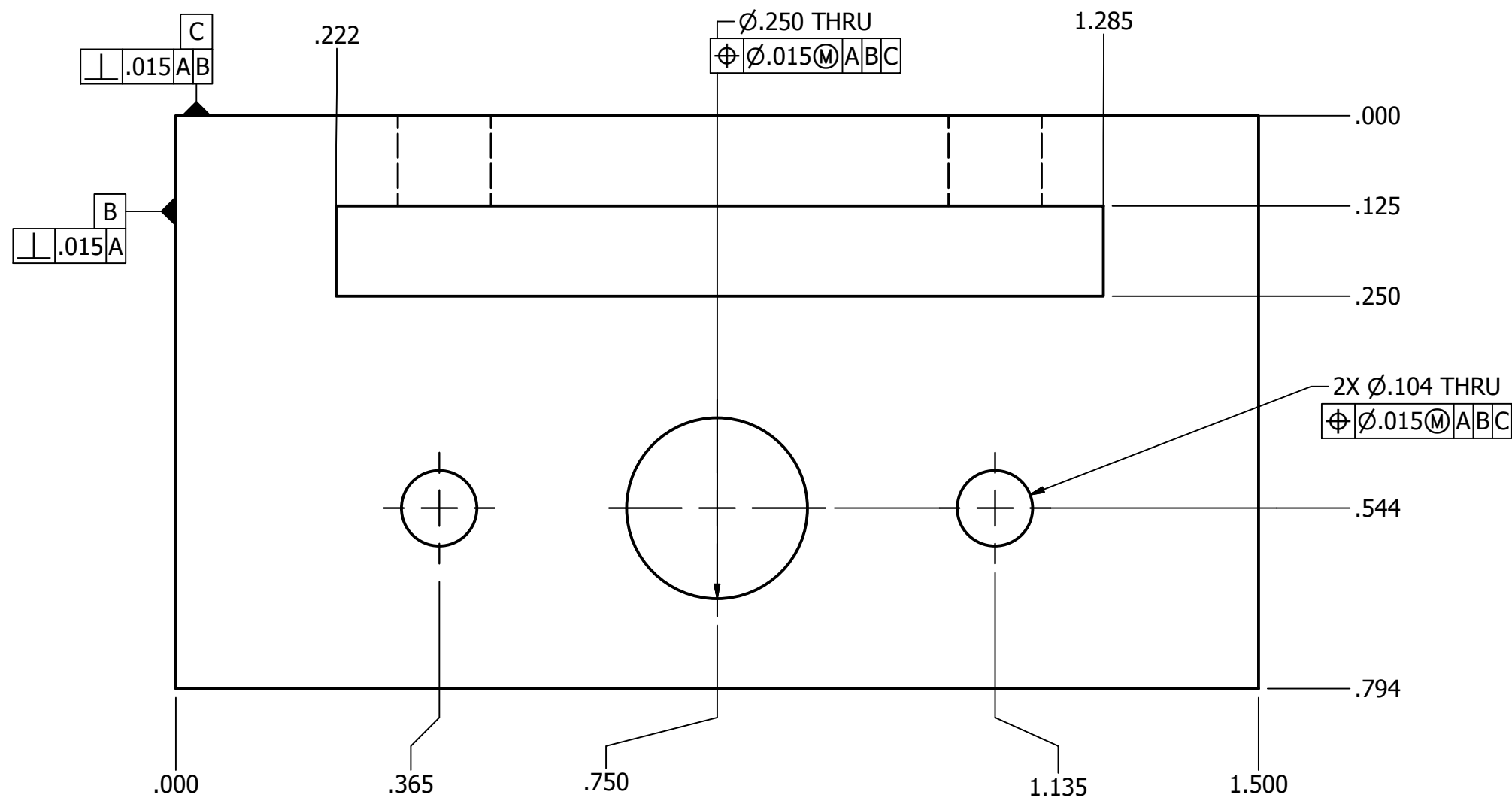
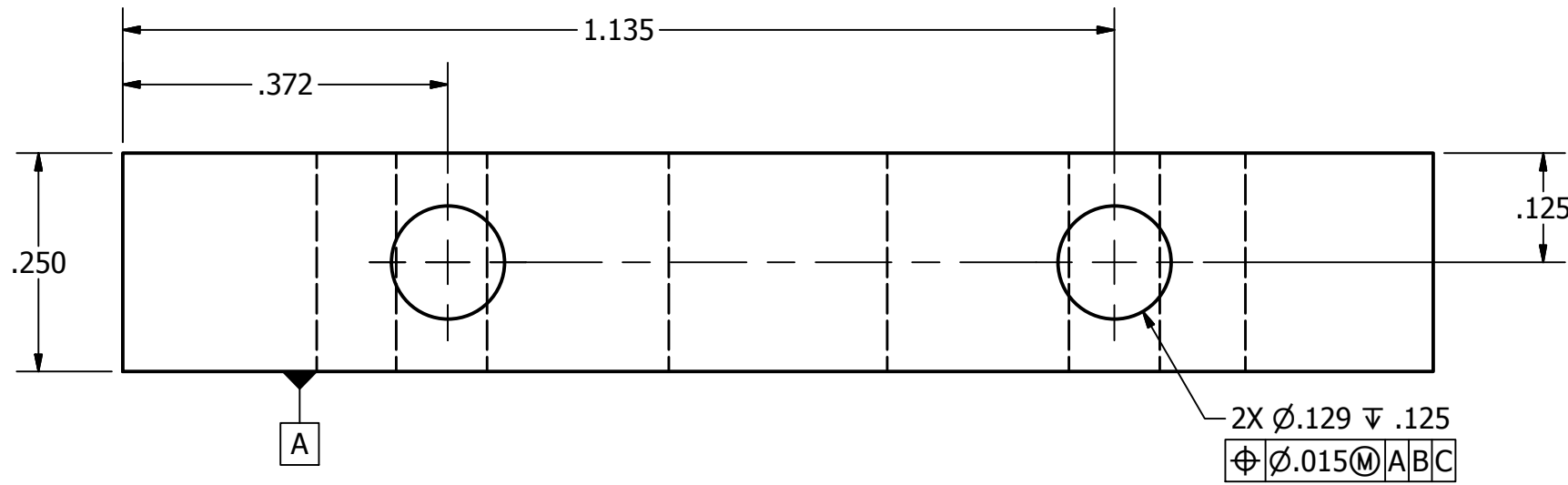
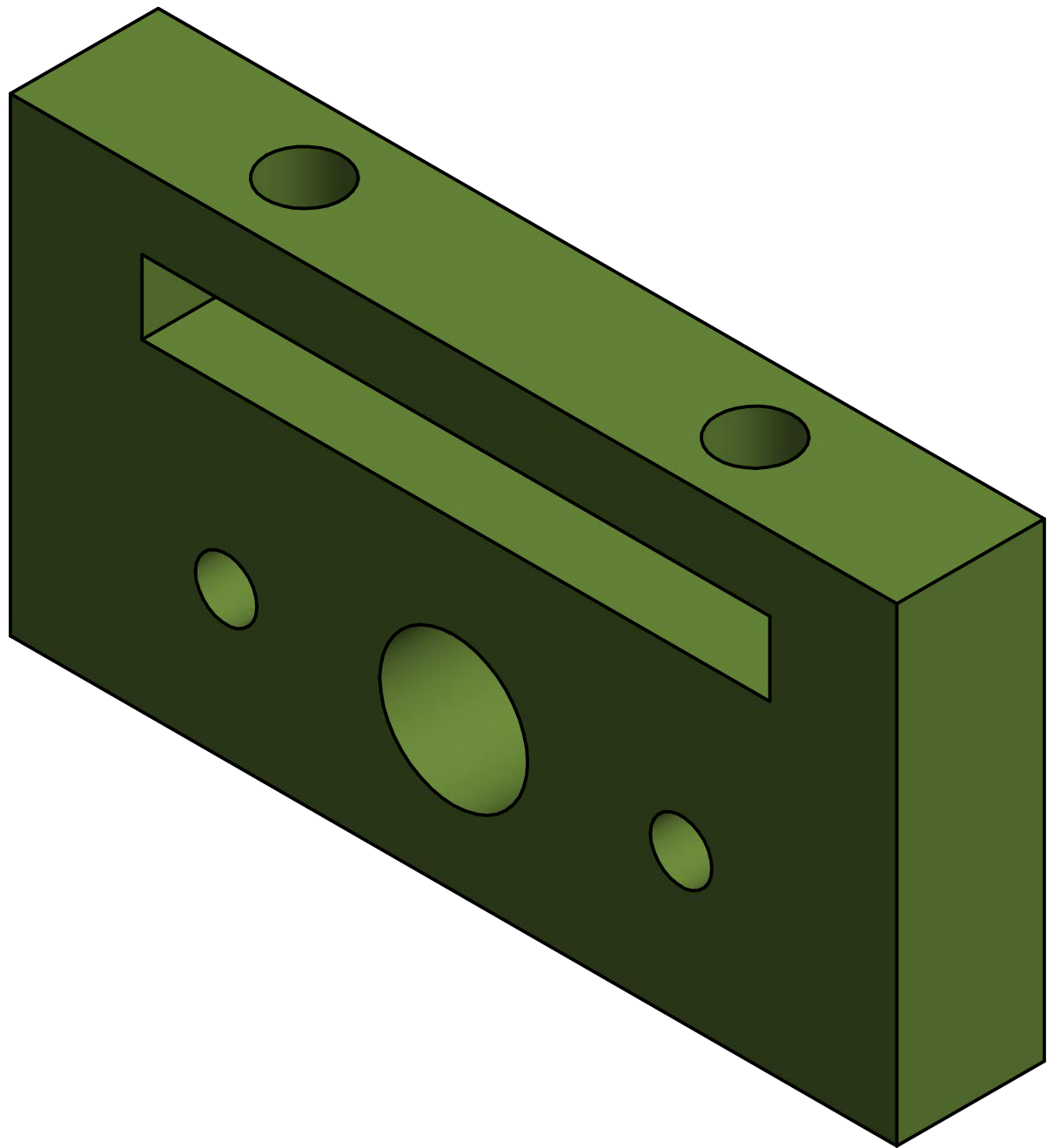
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1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

A

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

11	4	01-10-11	HORIZONTAL SLIDER MOUNT		
ITEM	QTY	PART NUMBER		DESCRIPTION	SPECIFICATION
MATERIAL:		ABS PLASTIC		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN: D. DOAN 4/11/2013
FINISH:				CHECKED: O. MAH 4/24/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES
WEIGHT:		.009 LBS.		APPROVED: L. LYE 4/24/2013	
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1		ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5	TITLE: IPT, SUPERSTRUCTURE, HORIZONTAL SLIDER MOUNT
				DELTA TECHNOLOGIES	
				SIZE: D DWG NO: 01-10-11 SCALE: 5:1	REV: -

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PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

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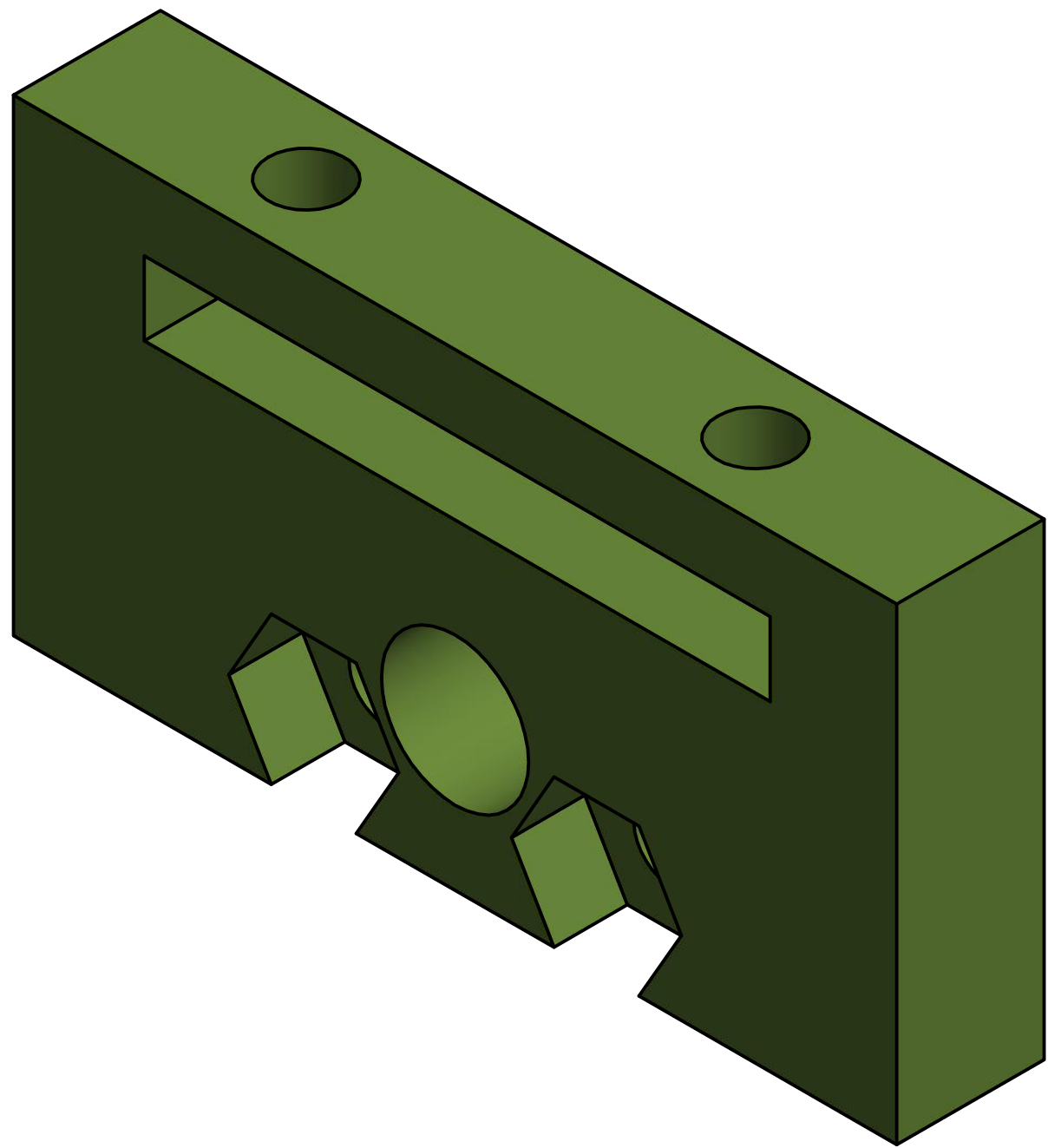
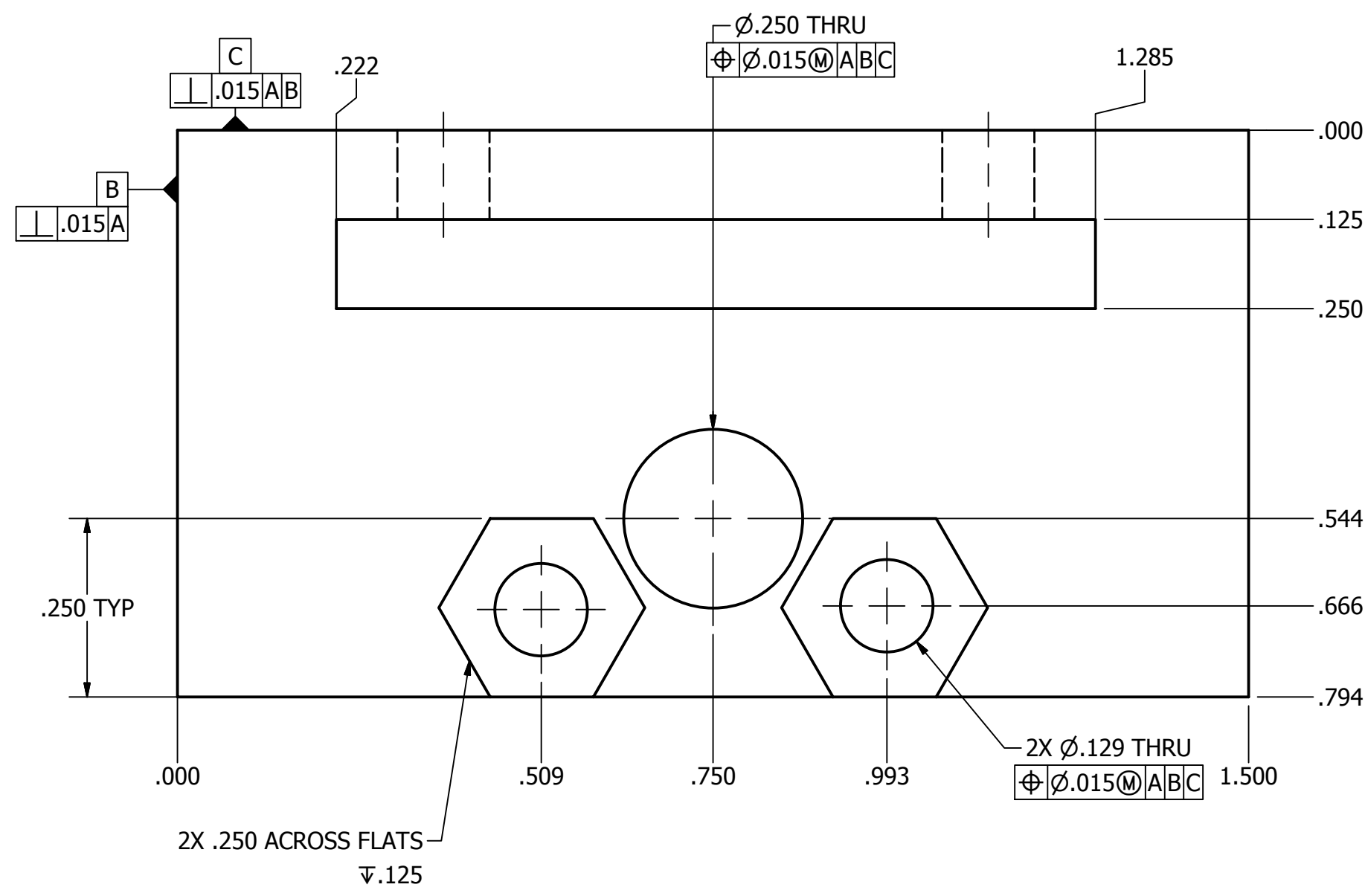
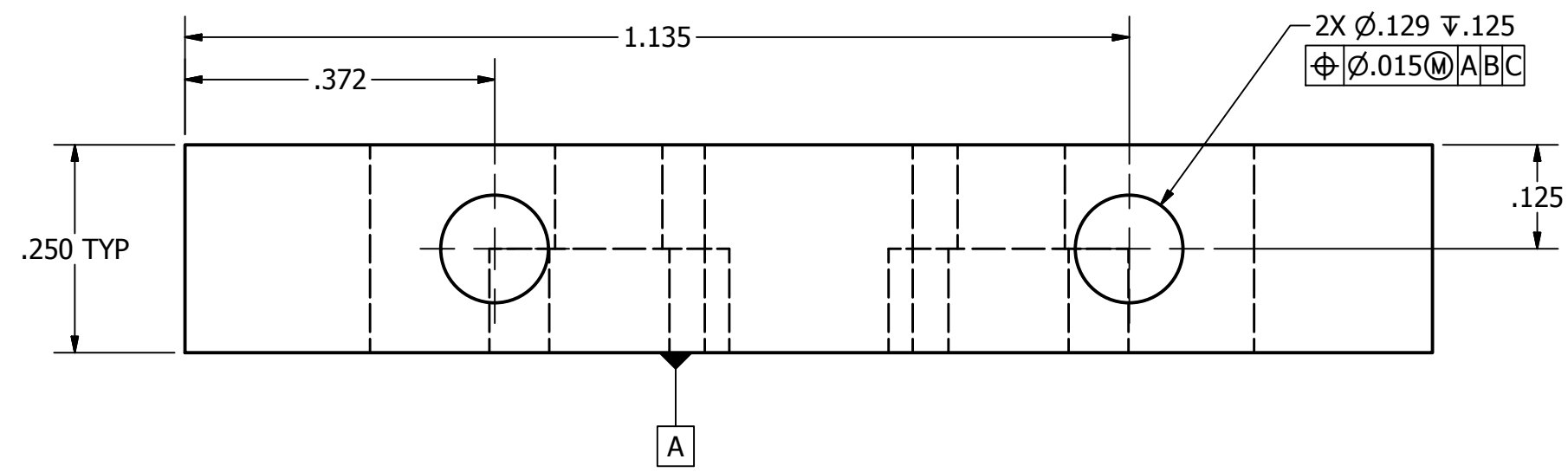
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4

4

REVISION HISTORY		
REV	DESCRIPTION	APPROVED

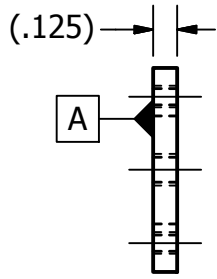
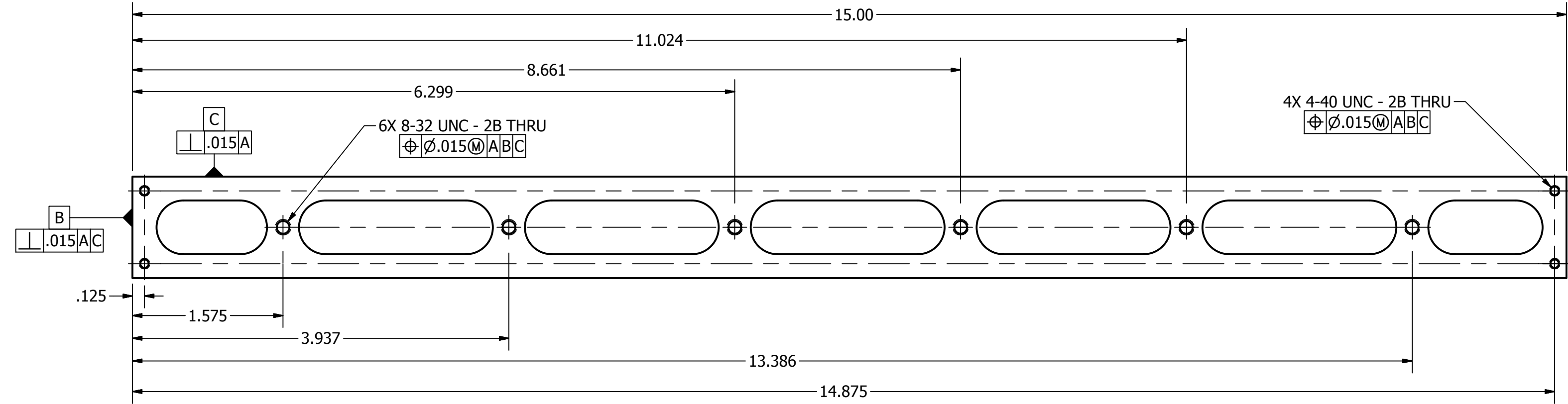
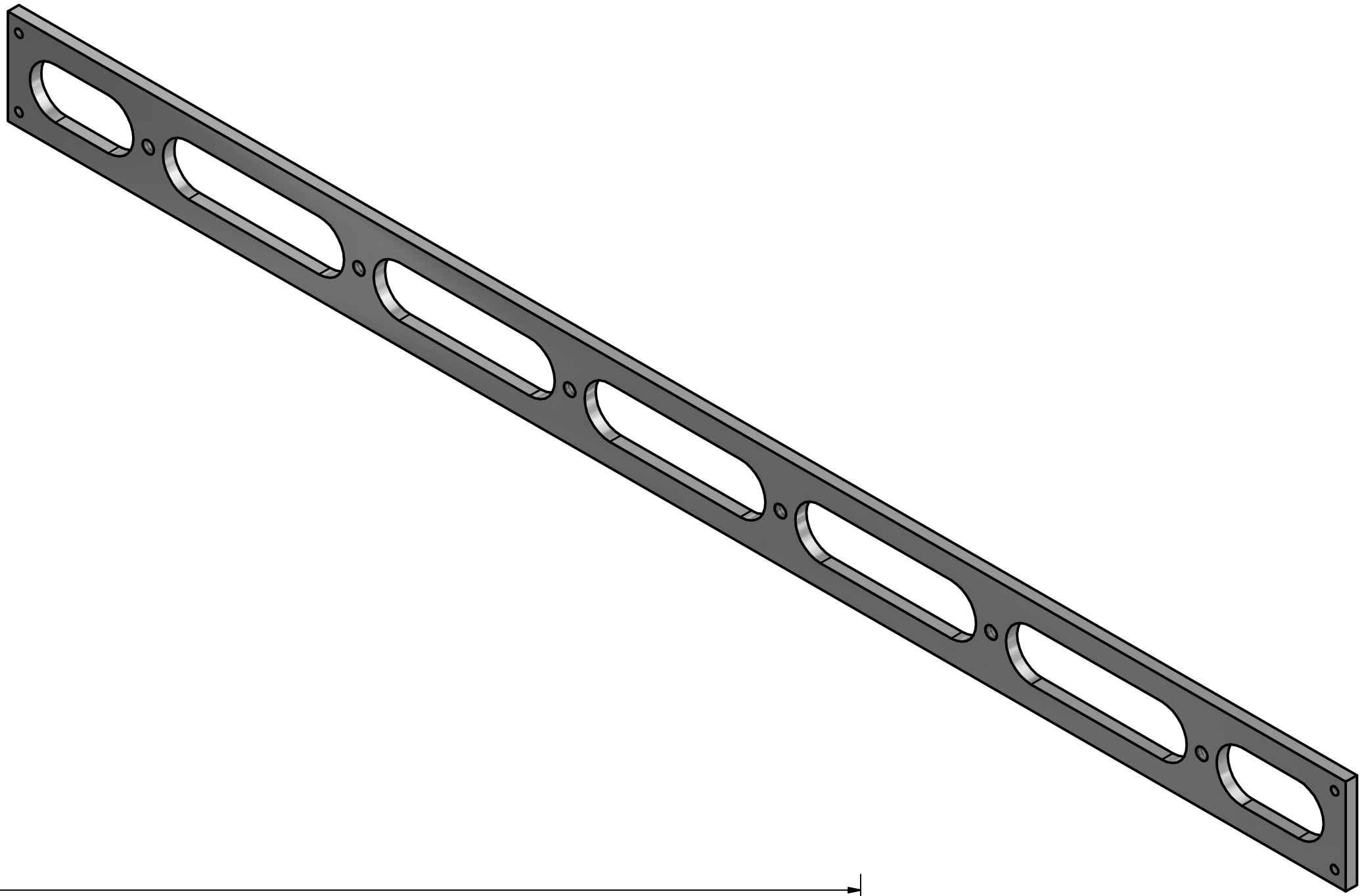


NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

12	2	01-10-12		SLIDER MOUNT FOR MIDDLE SHROUD					
ITEM	QTY	PART NUMBER		DESCRIPTION				SPECIFICATION	
MATERIAL: ABS PLASTIC		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL DIMENSIONS				DRAWN: D. DOAN		4/11/2013	
		UNDER .024 0		+ .0002 - .0005	5.00 THRU .750		+ .008 - .001	CHECKED: O. MAH 4/24/2013	
		.024 THRU .125		+ .0002 - .001	.751 THRU 1.000		+ .007 - .001	D. DOAN 4/24/2013	
		.126 THRU .250		+ .005 - .001	1.000 THRU 2.000		+ .022 - .005	INSP: M. DELORIO 4/24/2013	
		251 THRU .500		+ .005 - .001	OVER 2.000		+ .025 - .005	APPROVED: L. LYE 4/24/2013	
WEIGHT: .009 LBS.								TITLE: IPT, SUPERSTRUCTURE, HORIZONTAL SLIDER MOUNT MIDDLE	
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES				ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1		ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5°		REV: —	
				 DELTA TECHNOLOGIES		SIZE: DWG NO: 01-10-12			
						SCALE: 5:1 SUBSYSTEM: SUPERSTRUCTURE			
						SHEET: 1 OF 1			

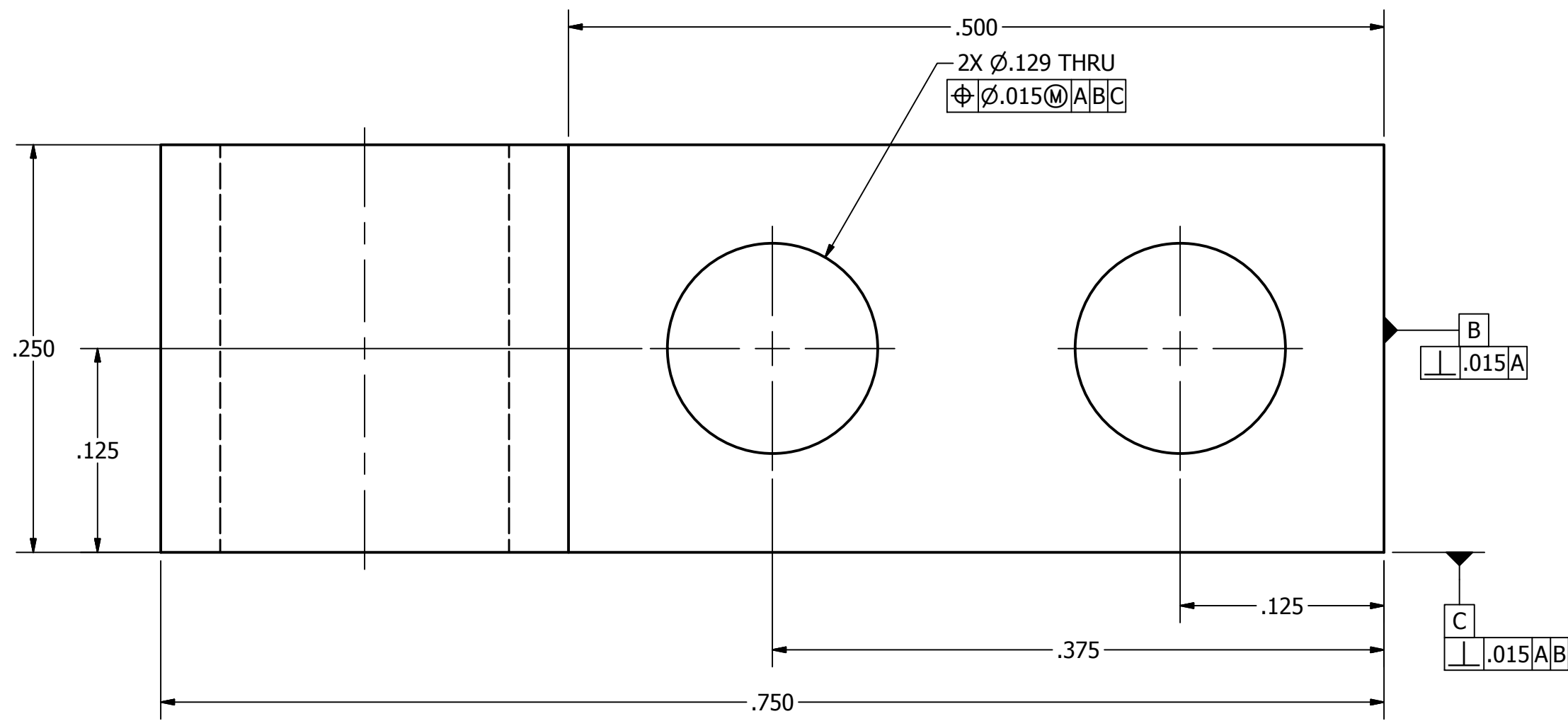
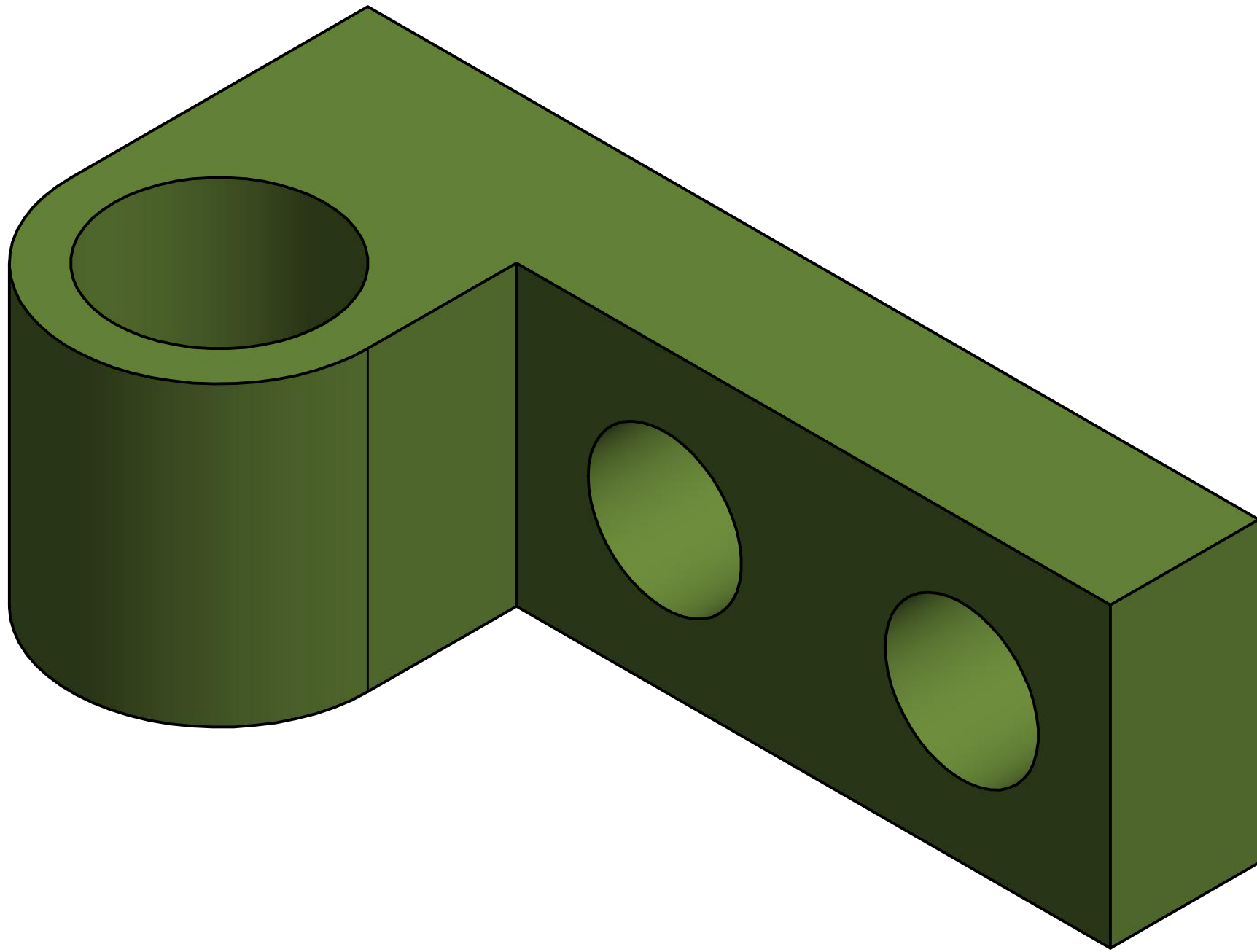
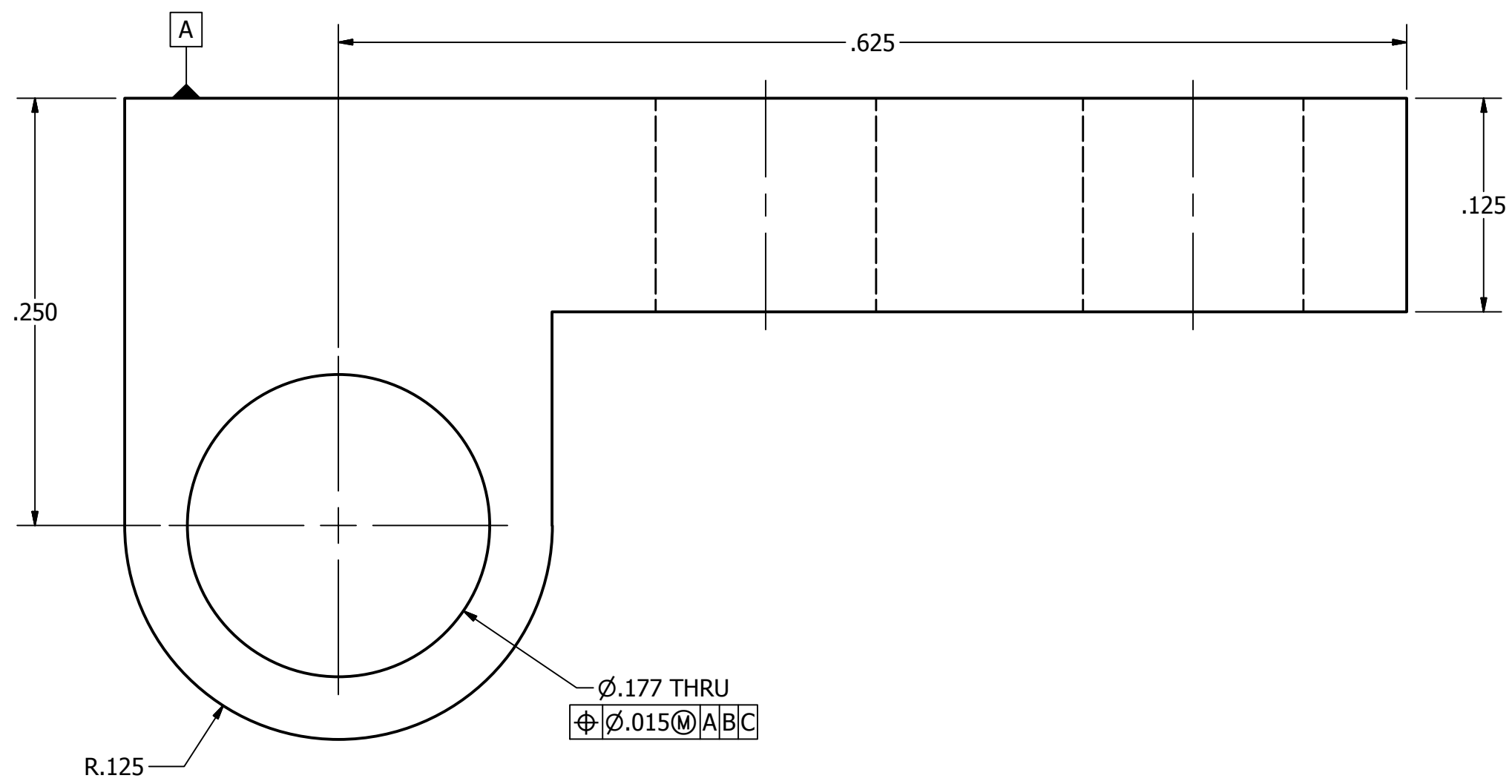
REVISION HISTORY		
REV	DESCRIPTION	APPROVED



NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

13	3	01-10-13	HORIZONTAL SLIDER SUPPORT PLATE		
ITEM	QTY	PART NUMBER	DESCRIPTION		SPECIFICATION
MATERIAL:		ALUM 6061	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN: D. DOAN	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES
FINISH:			UNDER .024 0 +.000 -.006	500 THRU .750 +.008 -.016	
WEIGHT:		.114 LBS.	+.004 -.001	751 THRU 1.000 +.010 -.001	TITLE: IPT, SUPERSTRUCTURE, HORIZONTAL SLIDER SUPPORT
			1.25 THRU .250 +.005 -.001	1.000 THRU 2.000 +.012 -.001	
			+.005 -.001	OVER 2.000 +.015 -.005	4/24/2013
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5	DELTA TECHNOLOGIES	SIZE: D DWG NO: 01-10-13 SCALE: 1:1
					SUBSYSTEM: SUPERSTRUCTURE
					SHEET: 1 OF 1
					REV: -

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



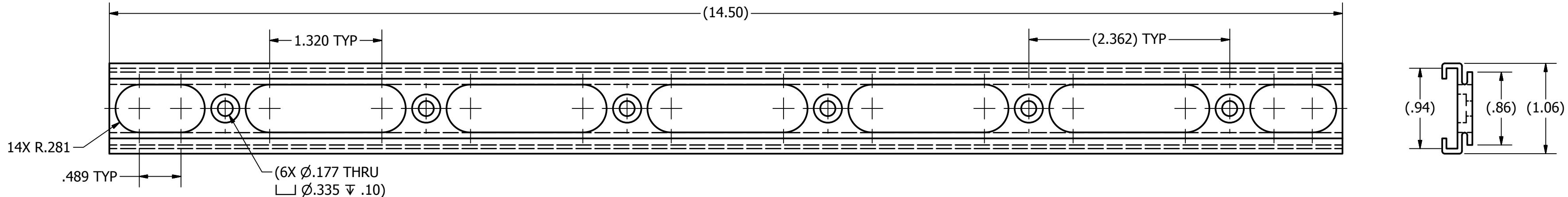
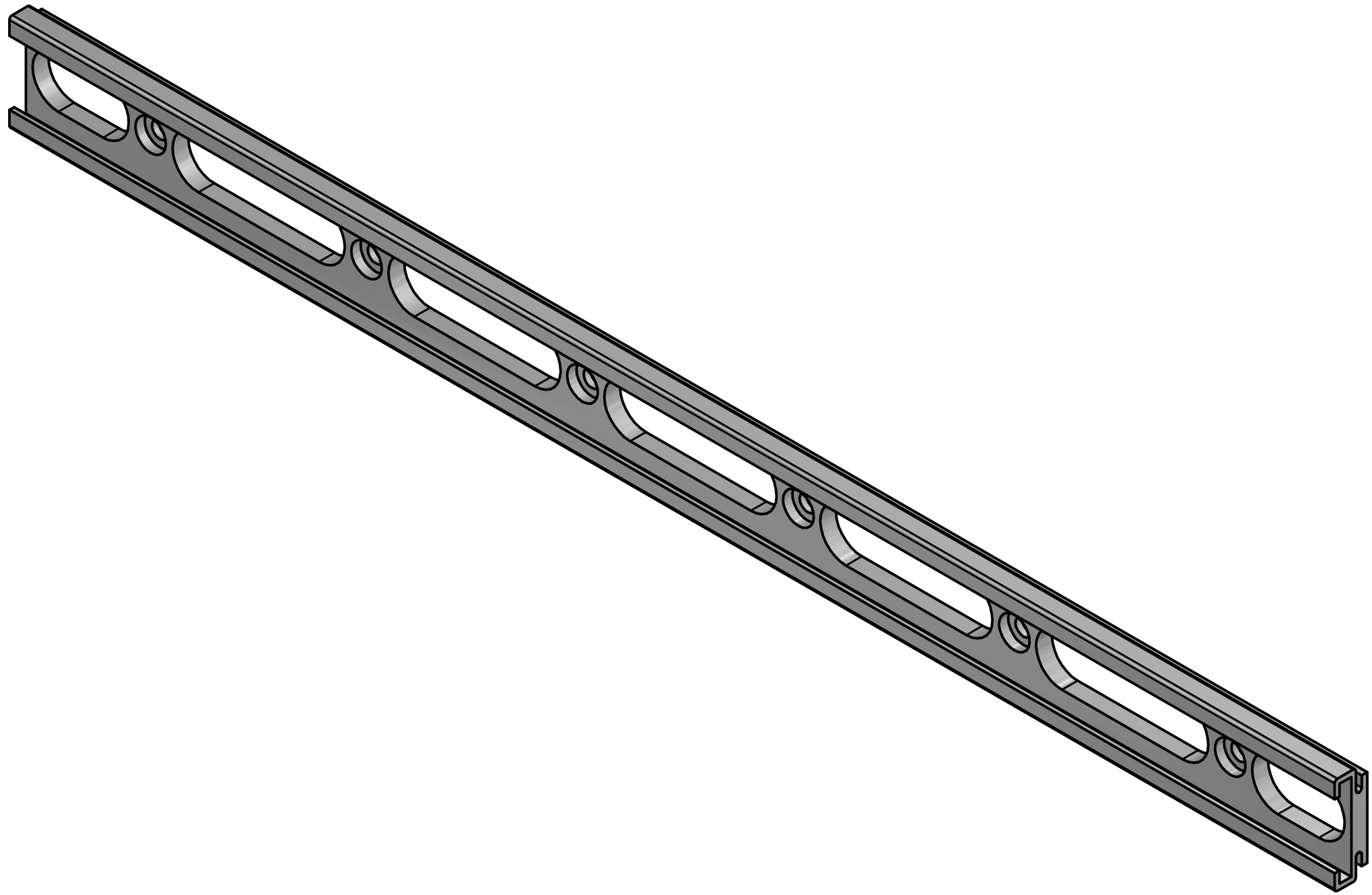
NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

14	4	1-10-14	THREADED ROD SUPPORT				
ITEM	QTY	PART NUMBER	DESCRIPTION			SPECIFICATION	
MATERIAL:			UNLESS OTHERWISE SPECIFIED			CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES	
ABS PLASTIC			TOLERANCES ON ALL SIZE DIMENSIONS				
FINISH:			UNLESS OTHERWISE SPECIFIED				
WEIGHT:			UNLESS OTHERWISE SPECIFIED				
.001 LBS			251 THRU 500	+ .006 - .006	OVER 2.000	+ .005 - .005	IPT, SUPERSTRUCTURE, THREADED ROD SUPPORT
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES			ON DECIMAL DIMENSIONS: XXX ±.010 XX ±.03 X ±.1			ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5°	
							
			DRAWN: D. DOAN CHECKED: O. MAH DATE: 4/24/2013				
			INSP: M. DELORIO APPROVED: L. LYE DATE: 4/24/2013				
			DELTA TECHNOLOGIES				
			SIZE: DWG NO: D 01-10-14			REV: —	
			SCALE: 12:1 SUBSYSTEM SUPERSTRUCTURE			SHEET: 1 OF 1	

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	6723K2	McMaster Carr 9630 Norwalk Blvd. Santa Fe Springs, CA 90670 (962) 692-5911 la.sales@mcmaster.com

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



ALTERED ITEM DRAWING

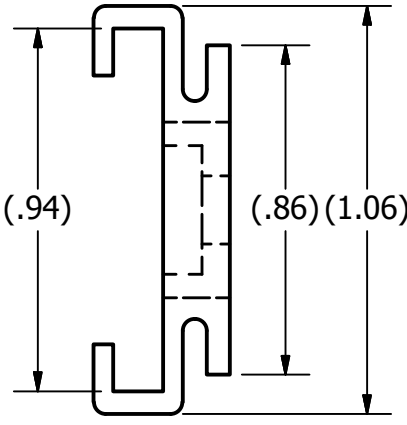
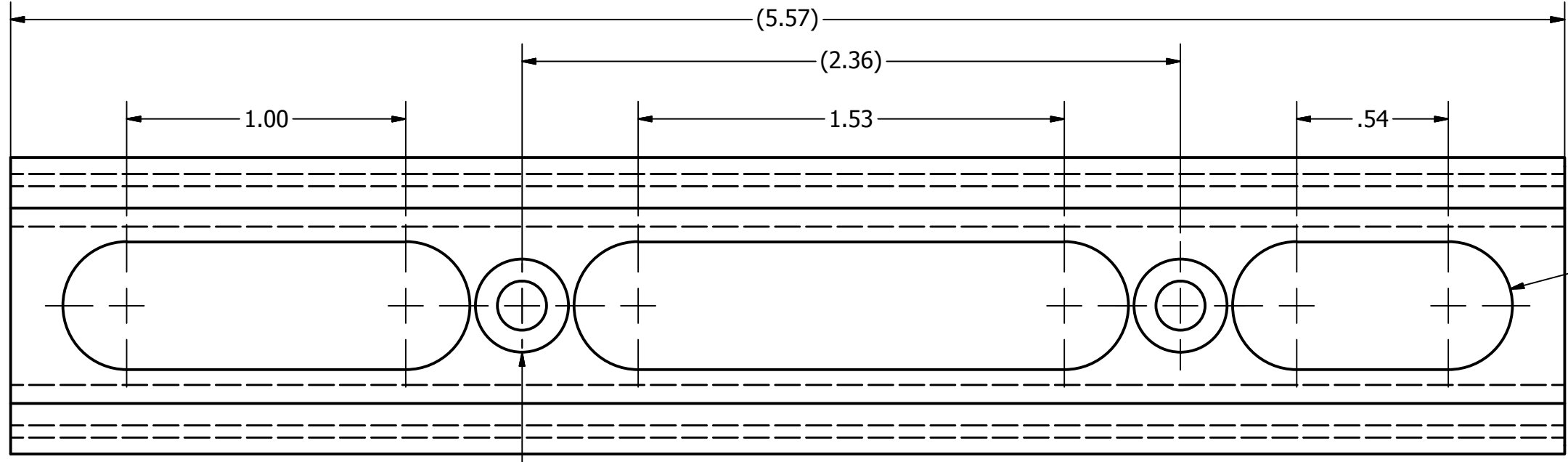
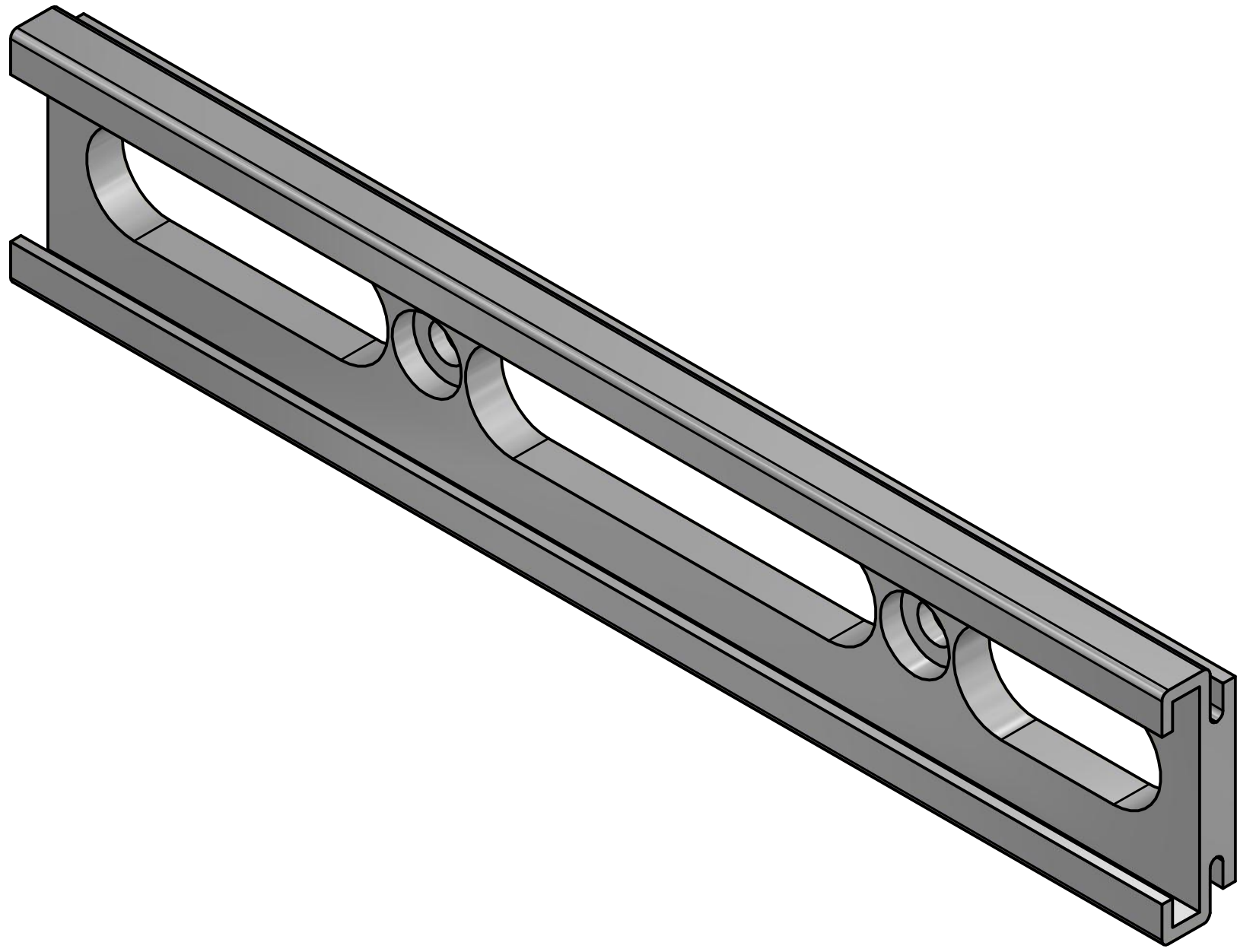
NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

15	3	6723K2	500M GUIDE RAILS			
ITEM	QTY	PART NUMBER	DESCRIPTION		SPECIFICATION	
PARTS LIST						
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		DRAWN: D. DOAN APPROVED: O. MAH	4/24/2013	
FINISH:		UNDER .014 0	+ .000 - .006	500 THRU .750	+ .008 - .010	4/24/2013
		.014 THRU .125	+ .004 - .001	.751 THRU 1.000	+ .010 - .001	4/24/2013
		.126 THRU .250	+ .005 - .001	1.000 THRU 2.000	+ .012 - .001	4/24/2013
WEIGHT:		251 THRU 500	+ .005 - .001	OVER 2.000	+ .015 - .005	4/24/2013
0.140 LBS				OTS, 500M GUIDE RAILS		
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES.		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1		ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5°		
				 DELTA TECHNOLOGIES		
				SIZE: DWG NO: D 01-10-15		
				SCALE: 6:1 SUBSYSTEM SUPERSTRUCTURE SHEET: 1 OF 1		

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	6723K2	McMaster Carr 9630 Norwalk Blvd. Santa Fe Springs, CA 90670 (962) 692-5911 la.sales@mcmaster.com

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



2X (Ø.177 THRU
└┐ Ø.335 ▽ .10)

R.229 TYP

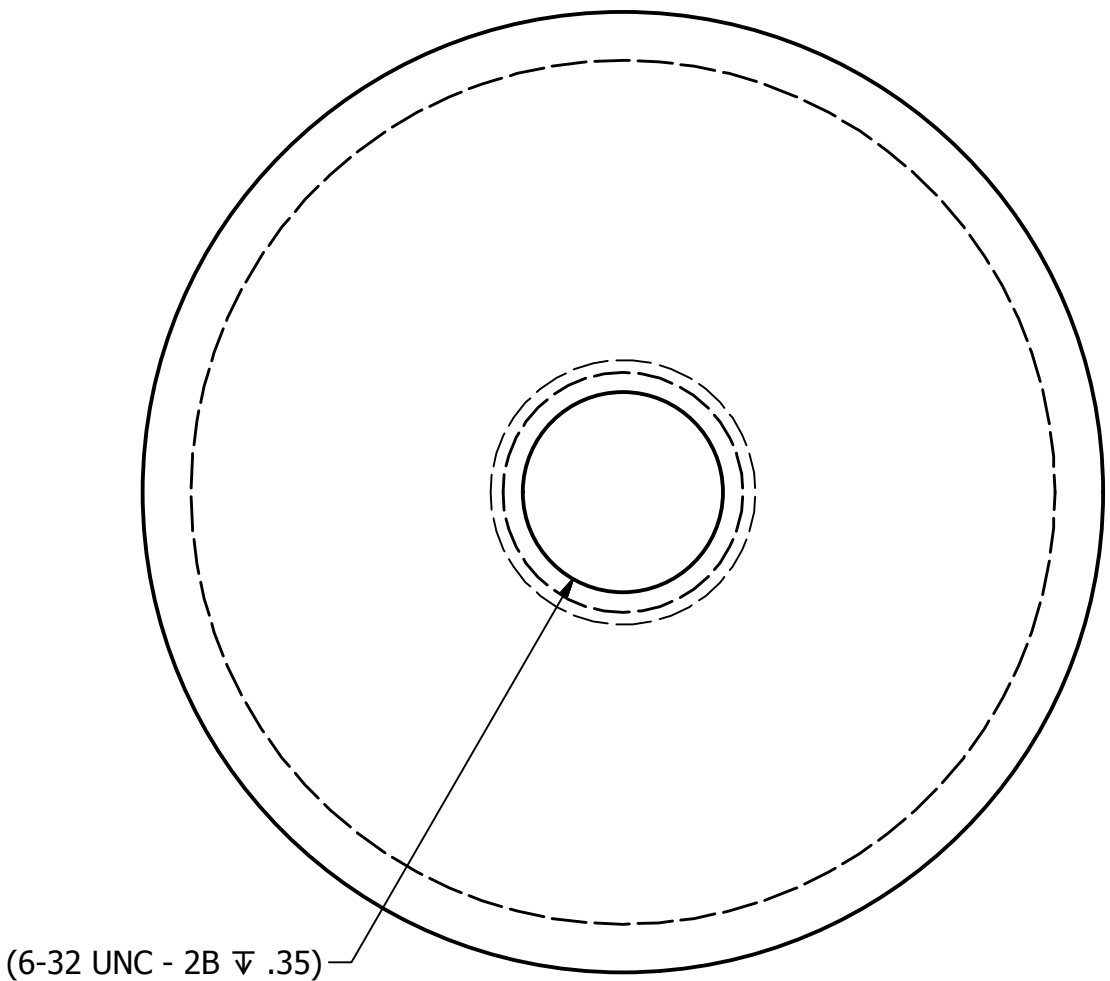
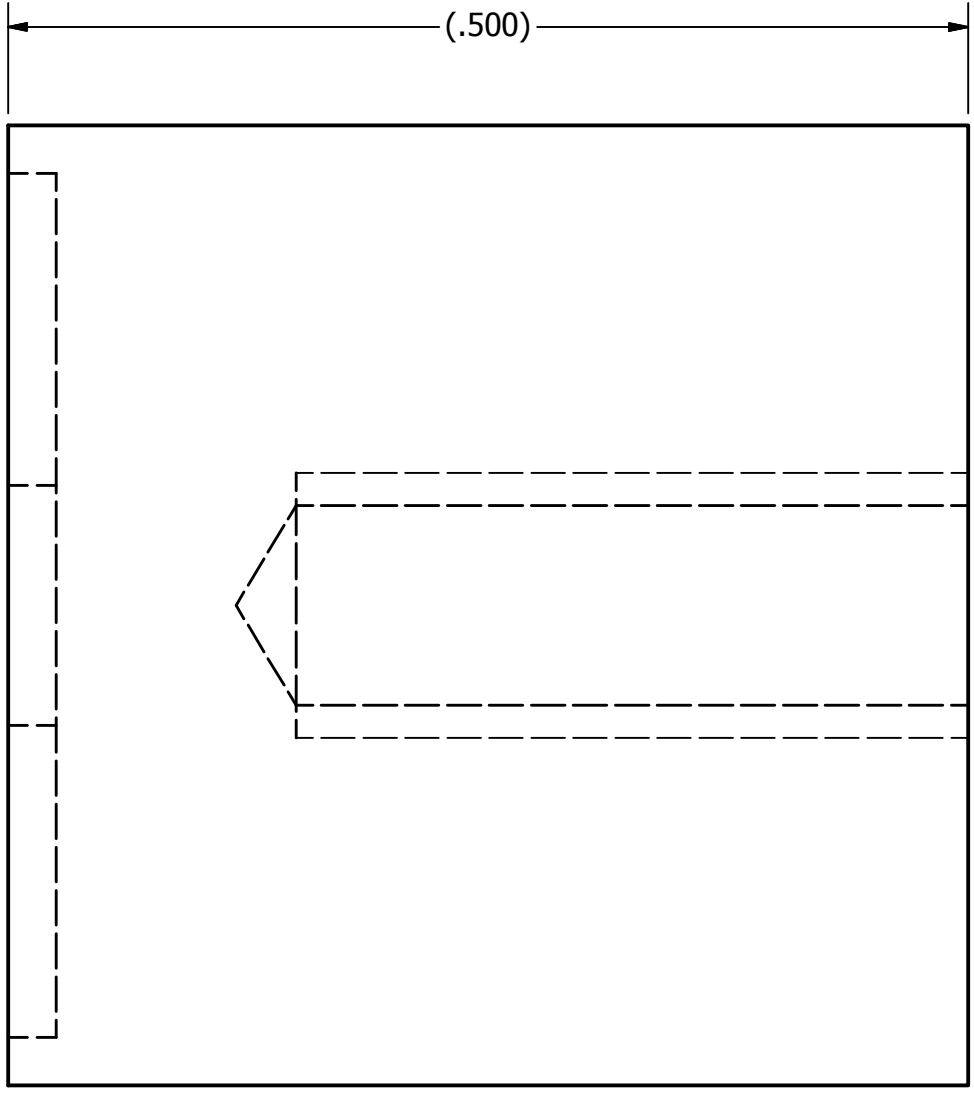
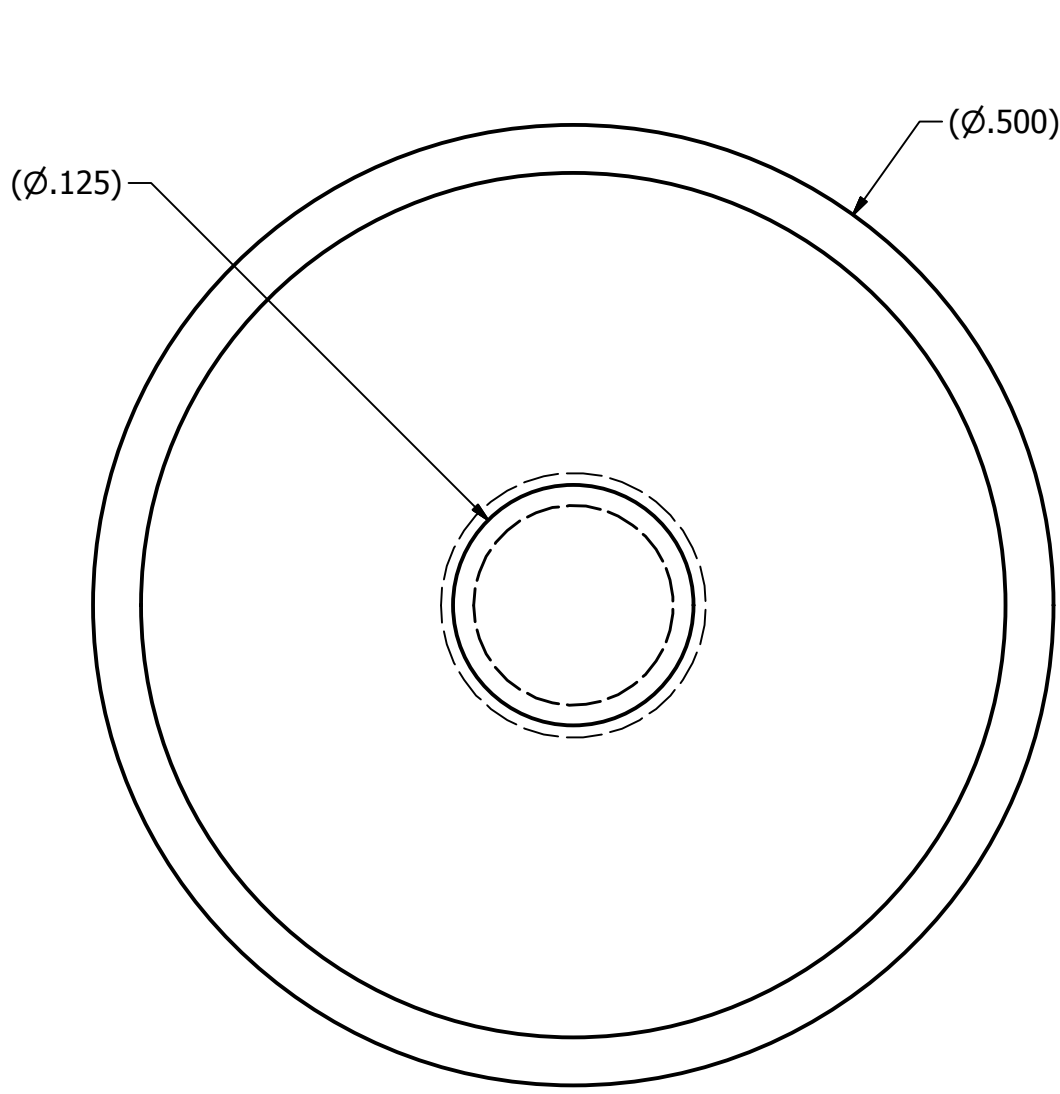
NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

ALTERED ITEM DRAWING

16	4	6723K2	250M GUIDE RAILS		
ITEM	QTY	PART NUMBER	DESCRIPTION		SPECIFICATION
PARTS LIST					
MATERIAL:	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL HOLE DIAMETERS			DRAWN: D. DOAN	4/24/2013
FINISH:	UNDER .014 0	+ .000 - .006	500 THRU .750	+ .008 - .011	4/24/2013
	.014 THRU .125	+ .004 - .001	.751 THRU 1.000	+ .010 - .001	4/24/2013
	.126 THRU .250	+ .005 - .001	1.000 THRU 2.000	+ .012 - .001	4/24/2013
WEIGHT:	0.061 LBS	251 THRU 500	+ .005 - .001	OVER 2.000	4/24/2013
OTS, 500M GUIDE RAILS					
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5°	 DELTA TECHNOLOGIES	SIZE: DWG NO: D 01-10-16 SCALE: 6:1 SUBSYSTEM: SUPERSTRUCTURE SHEET: 1 OF 1
					REV: —

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	EM050-3-222	APW Company 5 Astro Place, Suite B. Rockaway, NJ 07866-4053 (973) 627 0643 info@apwcompany.com

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



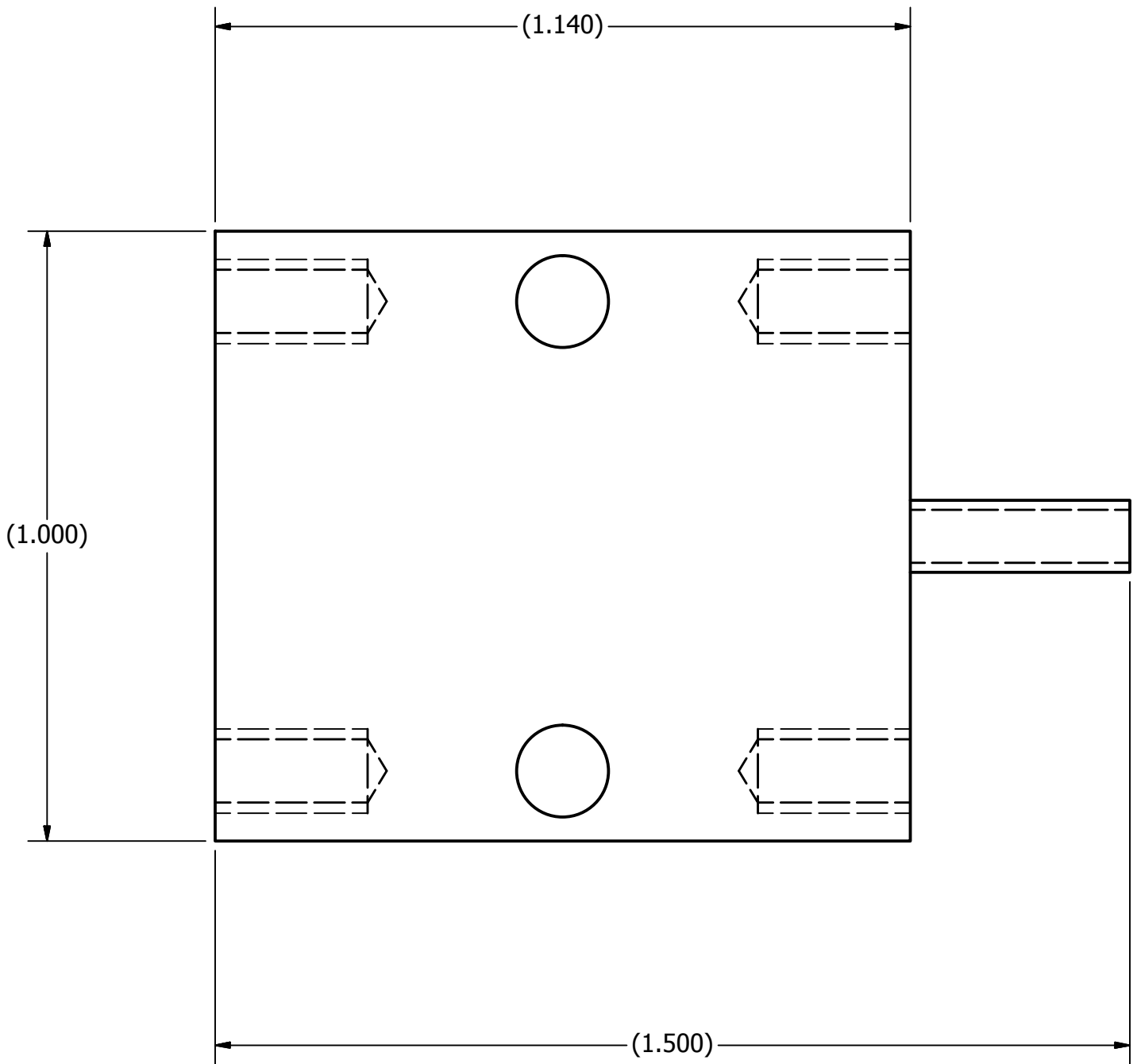
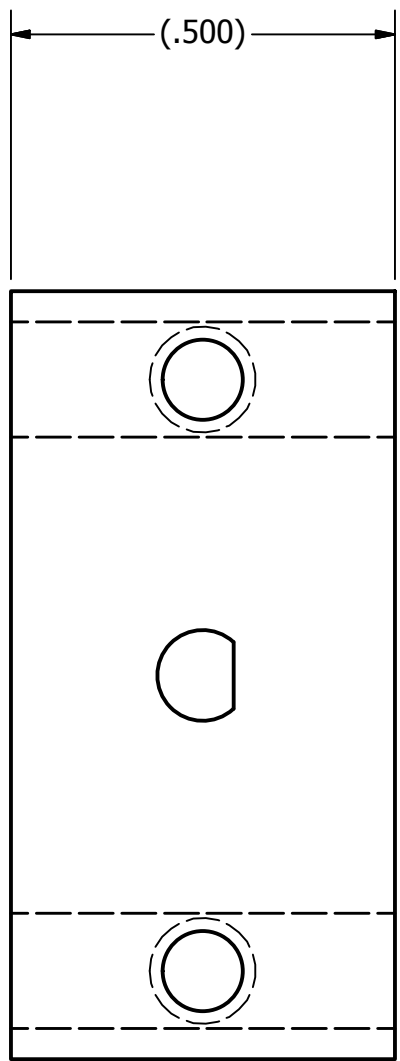
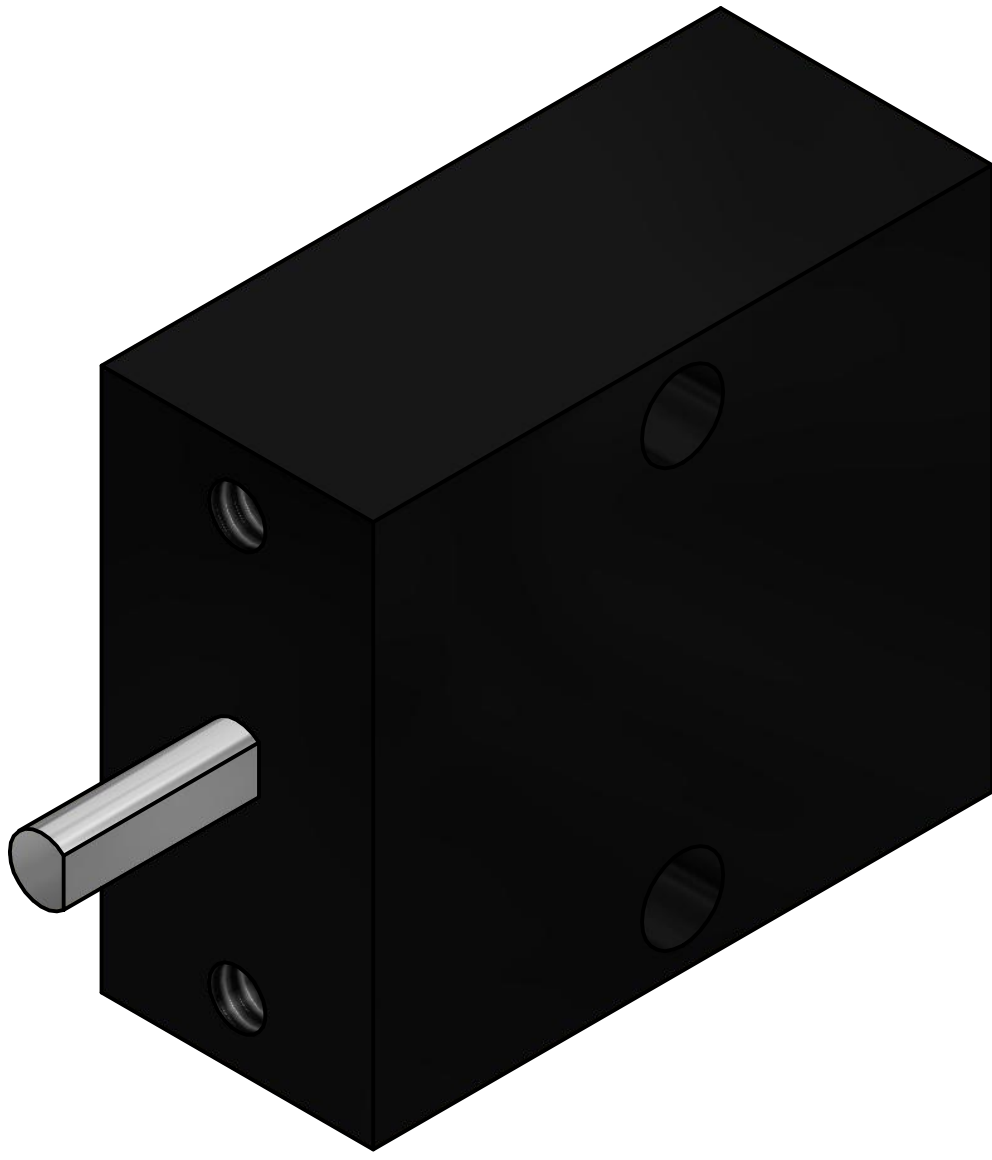
SOURCE CONTROL DRAWING

NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

17		3		EM050-3-222		ELECTROMAGNET 6-32	
ITEM		QTY		PART NUMBER		DESCRIPTION	
PARTS LIST							
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL HOLE DIMETERS			DRAWN : D. DOAN		4/23/2013
		UNDER .014 0			CHECKED : O. MAH		4/24/2013
FINISH:		.014 THRU .125			QA : D. DOAN		4/24/2013
		.126 THRU .250			INSP : M. DELORIO		4/24/2013
WEIGHT:		.251 THRU .500			APPROVED : L. LYE		4/24/2013
0.029 LBS		OVER 2.000					
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES.		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1			ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5°		OTS, ELECTROMAGNET 6-32
		 DELTA TECHNOLOGIES					
		SIZE: DWG NO: D 01-10-17					REV: —
		SCALE: 6:1 SUBSYSTEM SHROUDS					SHEET: 1 OF 1

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	MGB-298	ServoCity Order Department 38590 East 12th Avenue Winfield, KS 67156 (620) 221-0858

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



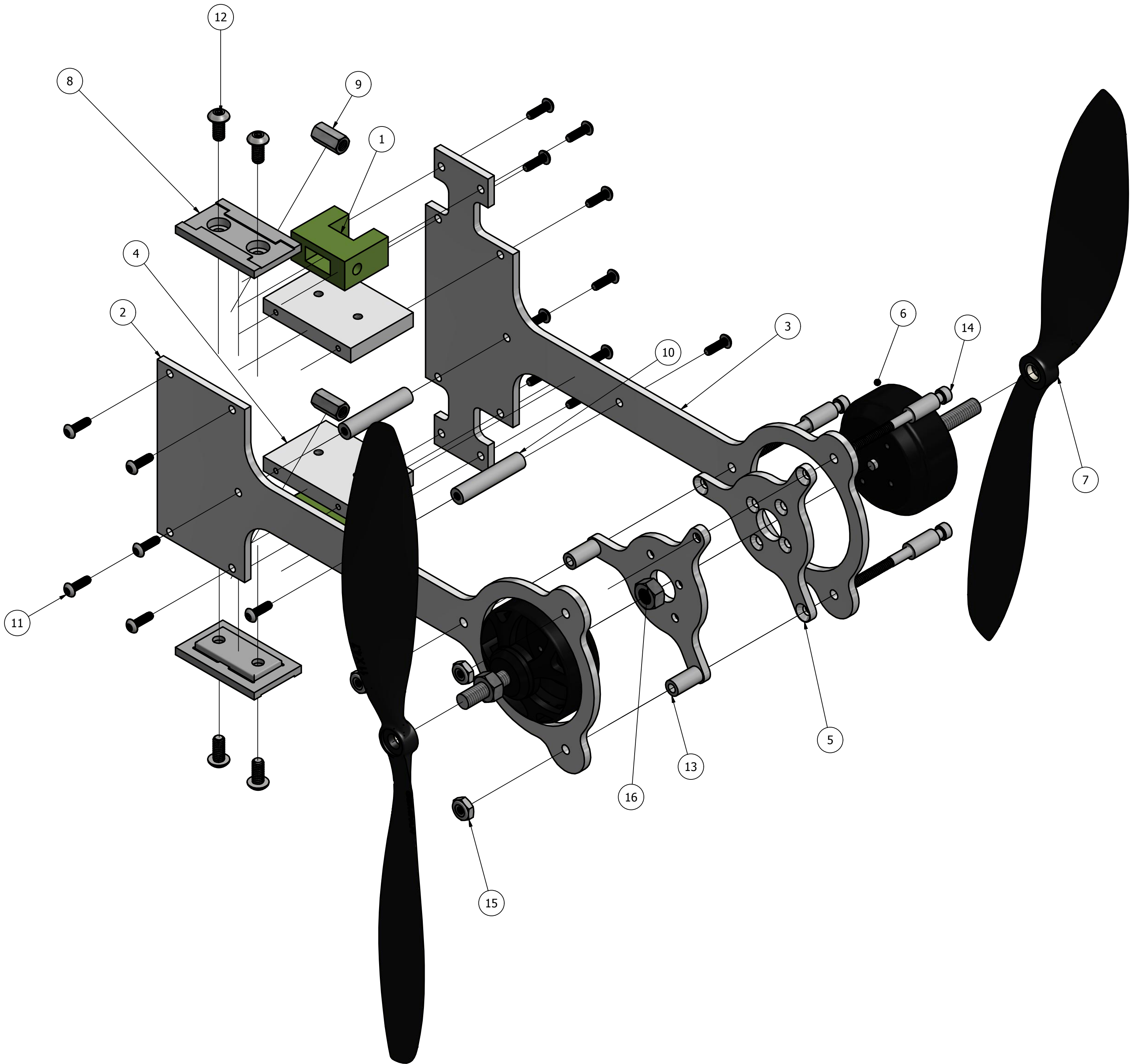
NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

SOURCE CONTROL DRAWING

PARTS LIST										
ITEM	QTY	PART NUMBER			DESCRIPTION			SPECIFICATION		
18	2	MGB-298			MICRO GEARMOTOR					
MATERIAL:		UNLESS OTHERWISE SPECIFIED				DRAWN:		CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES		
		TOLERANCES ON ALL HOLE DIAMETERS				D. DOAN				
FINISH:		UNDER .014 0		+ .000 - .006		500 THRU .750		+ .008 - .010		4/11/2013
		.014 THRU .125		+ .004 - .001		.751 THRU 1.000		+ .010 - .001		4/24/2013
WEIGHT:		.126 THRU .250		+ .005 - .001		1.000 THRU 2.000		+ .012 - .001		4/24/2013
		.251 THRU .500		+ .005 - .001		OVER 2.000		+ .015 - .005		4/24/2013
0.037 LBS		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1		ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5°		 DELTA TECHNOLOGIES		APPROVED: L. LYE		4/24/2013
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES 4. REMOVE BURRS AND SHARP EDGES		SIZE:		DWG NO:		REV:				
		SCALE:		4:1		SUBSYSTEM:		SUPERSTRUCTURE		
		SHEET:		1 OF 1						

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PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



REVISION HISTORY		
REV	DESCRIPTION	APPROVED

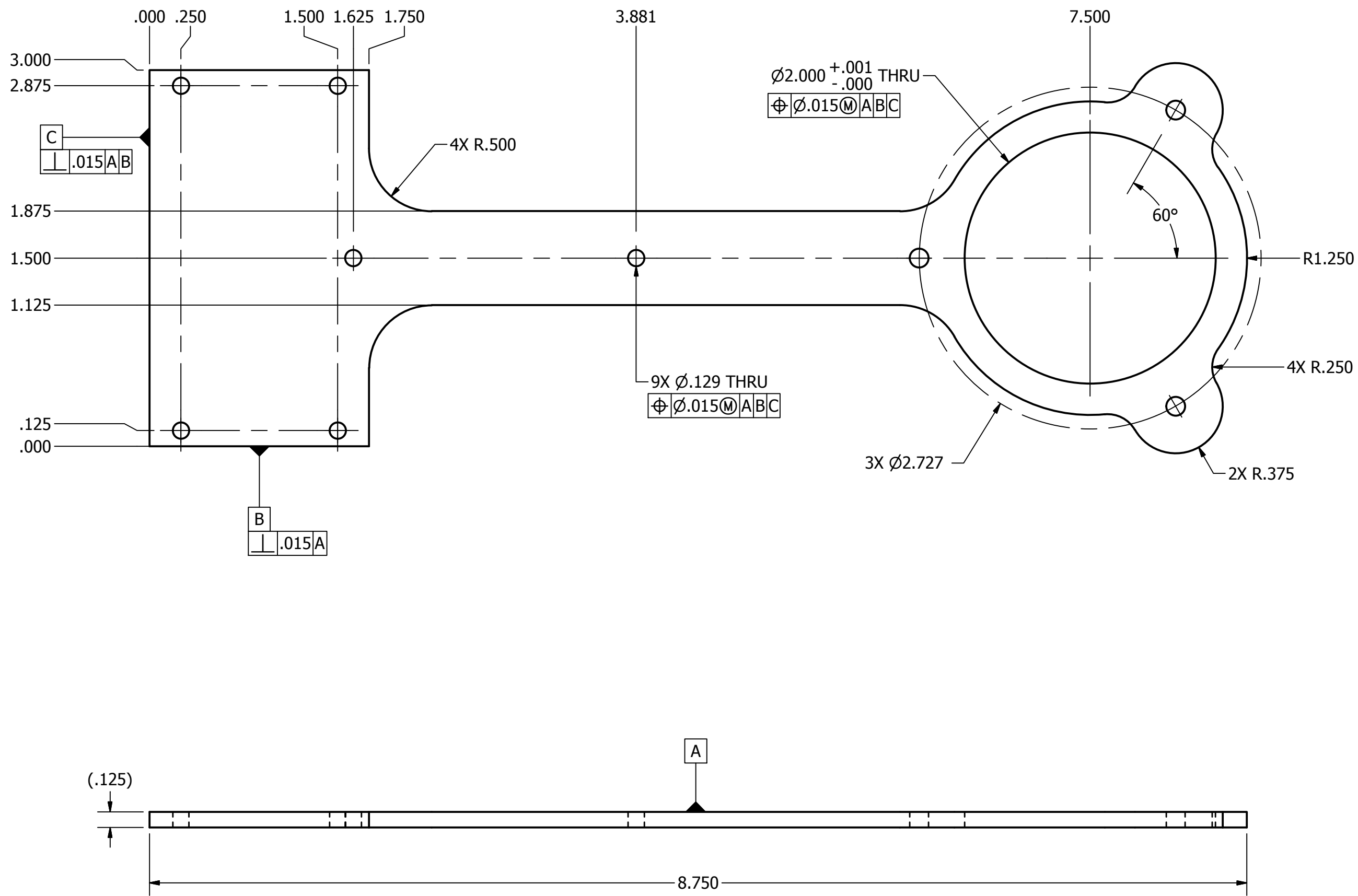
16	2	90592A016	OTS, METRIC PLAIN STEEL HEX NUT CLASS 8, M6 SIZE, 1MM W, 5MM H
15	3	90633A007	OTS, GRADE 2 STEEL NYLON-INSERT THIN HEX LOCKNUT ZINC-PLATED, 6-32 THREADED SIZE, 5/16" W, 1/8" H
14	3	91251A158	OTS, BLACK-OXIDE STEEL SOCKET HEAD CAP SCREW 6-32 THREAD, 1-3/4" LENGTH
13	6	92510A445	OTS, ALUM UNTHREADED SPACER 1/4" OD, 1/2" LENGTH, #6 SCREW SIZE
12	4	92949A192	OTS, 18-8 SS BUTTON HEAD SOCKET CAP SCEW 8-32 THREAD, 3/8" LENGTH
11	16	91255A108	OTS, ALLOY STEEL BUTTON HEAD SOCKET CAP SCREW 4-40 THREAD, 3/8" LENGTH
10	2	93330A461	OTS, ALUM FEMALE THREADED ROUND STANDOFF 1/4" OD, 1-1/4" LENGTH, 4-40 SCREW SIZE
9	2	91115A195	OTS, 18-8 SS FEMALE THREADED HEX STANDOFF 1/4" HEX, 1/2" LENGTH, 8-32 SCREW SIZE
8	2	6723K11	OTS, LOW-PROFILE SLEEVE BEARING CARRIAGE UNTHREADED-HOL, FOR 27 MM RAIL WIDTH
7	2	OR001-00311	OTS, 11X4.7 PROPELLER
6	2	X4108S	OTS, X4108S 600KV MOTOR
5	2	02-10-05	IPT, SHROUDS, MOTOR MOUNT
4	2	02-10-04	IPT, SHROUDS, MIDDLE SHROUD SLIDER MOUNT
3	1	02-10-03	IPT, SHROUDS, MIDDLE ROTOR TOP SUPPORT PLATE
2	1	02-10-02	IPT, SHROUDS, MIDDLE ROTOR SUPPORT PLATE
1	2	02-10-01	IPT, SHROUDS, HORIZONTAL LEADSCREW INSERT
ITEM	QTY	PART NUMBER	DESCRIPTION

NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

MATERIAL:	UNLESS OTHERWISE SPECIFIED			DRAWN: J. BIGLER/DA	4/11/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES	
	TOLERANCES ON ALL SIZE DIMENSIONS			CHECKED: O. MAH	4/24/2013		
FINISH:	UNDER .024 0	+ .000 - .006	500 THRU .750	+ .008 - .010	DA	4/24/2013	TITLE: ASSY, SHROUDS, MIDDLE SHROUD
	.024 THRU .125	+ .004 - .001	.751 THRU 1.000	+ .010 - .001	D. DOAN	4/24/2013	
WEIGHT:	126 THRU .250	+ .005 - .001	1.000 THRU 2.000	+ .012 - .001	M. DELORIO	4/24/2013	SCALE: 1:1 SUBSYSTEM SHROUDS SHEET: 1 OF 1
	.251 THRU .500	+ .005 - .001	OVER 2.000	+ .015 - .005	L. LYE	4/24/2013	
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES.		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5°	 DELTA TECHNOLOGIES		SIZE: DWG NO: D 02-10-00	REV: —

1	2	02-10-01	HORIZONTAL SHROUD LEAD SCREW INSERT			
ITEM	QTY	PART NUMBER		DESCRIPTION		SPECIFICATION
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMETERS		DRAWN: J. FIGUEROA 4/11/2013		CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES
ABS PLASTIC		UNDER .014 0		CHECKED: D. MIAH 4/24/2013		
FINISH:		.014 THRU .125		REV: D. DOAN 4/24/2013		
		.126 THRU .250		WGS: M. DELORIO 4/24/2013		
WEIGHT:		.001 LBS.		APPROVED: LYE 4/24/2013		TITLE:
		.251 THRU .500		OVER 2.000		IPT, SHROUDS, HORIZONTAL SHROUD LEAD SCREW INSERT
1. DO NOT SCALE DRAWING.		ON DECIMAL DIMENSIONS: .XXX ± .010		ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 0°		 SIZE: DWG NO: DATE: 02-10-01 SCALE: 5:1 SUBSYSTEM: SHROUDS SHEET: 1 OF 1
2. INTERPRET PER ASME Y14.5M-1995		.XX ± .03				
3. DIMENSIONS ARE IN INCHES.		.X ± .1				
4. REMOVE BURRS AND SHARP EDGES.						

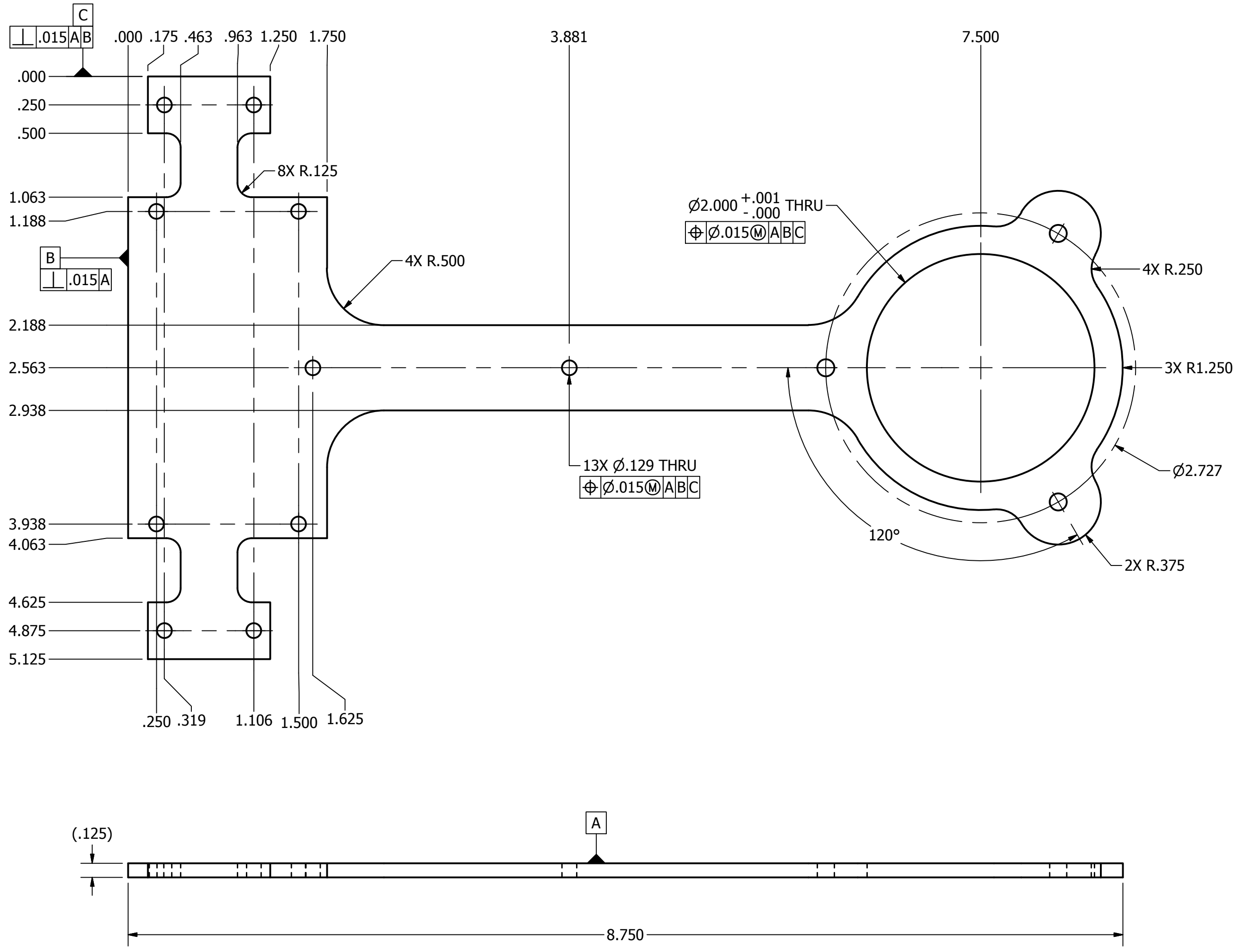
REVISION HISTORY		
REV	DESCRIPTION	APPROVED



NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

2	1	02-10-02	MIDDLE ROTOR SUPPORT PLATE			
ITEM	QTY	PART NUMBER			DESCRIPTION	SPECIFICATION
MATERIAL:		ALUMINUM 6061		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		
FINISH:		.004 THRU .125		DRAWN: J. FIGUEROA CHECKED: O. MAH DATE: 4/24/2013		
WEIGHT:		0.136 LBS.		DATE: 4/24/2013		
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1		ON ANGULAR DIMENSIONS: MACHINED: ±0°30' LOCATING: ±0°30' CHAMFERS: ±5		
				DELTA TECHNOLOGIES		
				TITLE: IPT, SHROUDS, MIDDLE ROTOR SUPPORT PLATE		
				SCALE: 5:4 SUBSYSTEM SHROUDS SHEET: 1 OF 1		
				REV: --		

REVISION HISTORY		
REV	DESCRIPTION	APPROVED

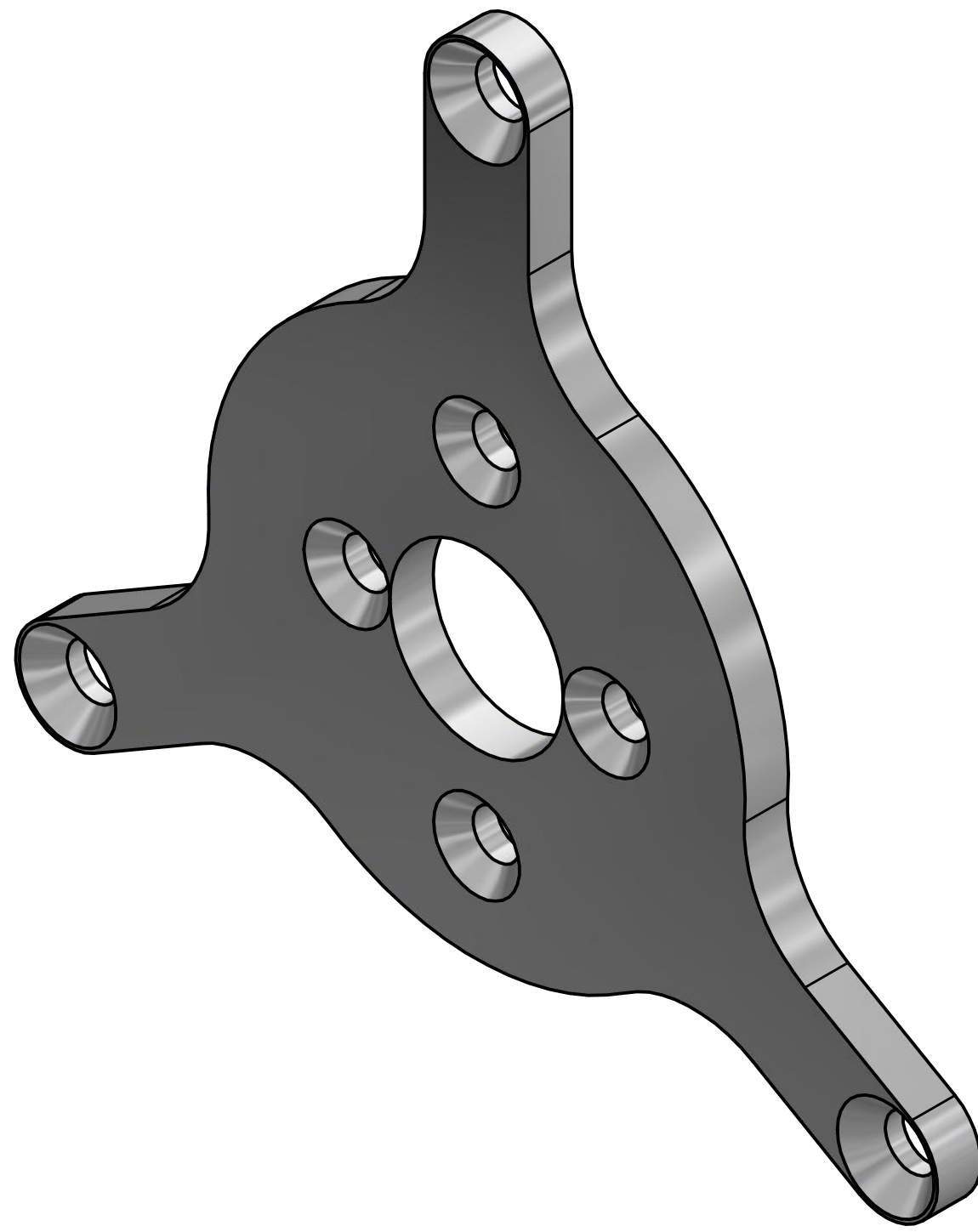


NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

3	1	2-10-03	MIDDLE ROTOR TOP SUPPORT PLATE						
ITEM	QTY	PART NUMBER			DESCRIPTION			SPECIFICATIONS	
MATERIAL:		ALUMINUM 6061			DRAWN: J. FIGUEROA CHECKED: O. MAH DATE: 4/11/2013			CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES	
FINISH:		.004 THRU .125			DATE: 4/24/2013				
WEIGHT:		0.155 LBS.			DATE: 4/24/2013				
		.004 THRU .250			DATE: 4/24/2013				
		.004 THRU .500			DATE: 4/24/2013				
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES.		ON DECIMAL DIMENSIONS: XXX ±.010 XX ±.03 X ±.1			ON ANGULAR DIMENSIONS: MACHINING: ±0°30' LOCATING: ±0°30' CHAMFERS ±5°			DELTA TECHNOLOGIES	
3		2			2-10-03			REV: —	
SCALE: 5:4		SUBSYSTEM: SHROUDS			SHEET: 1 OF 1				

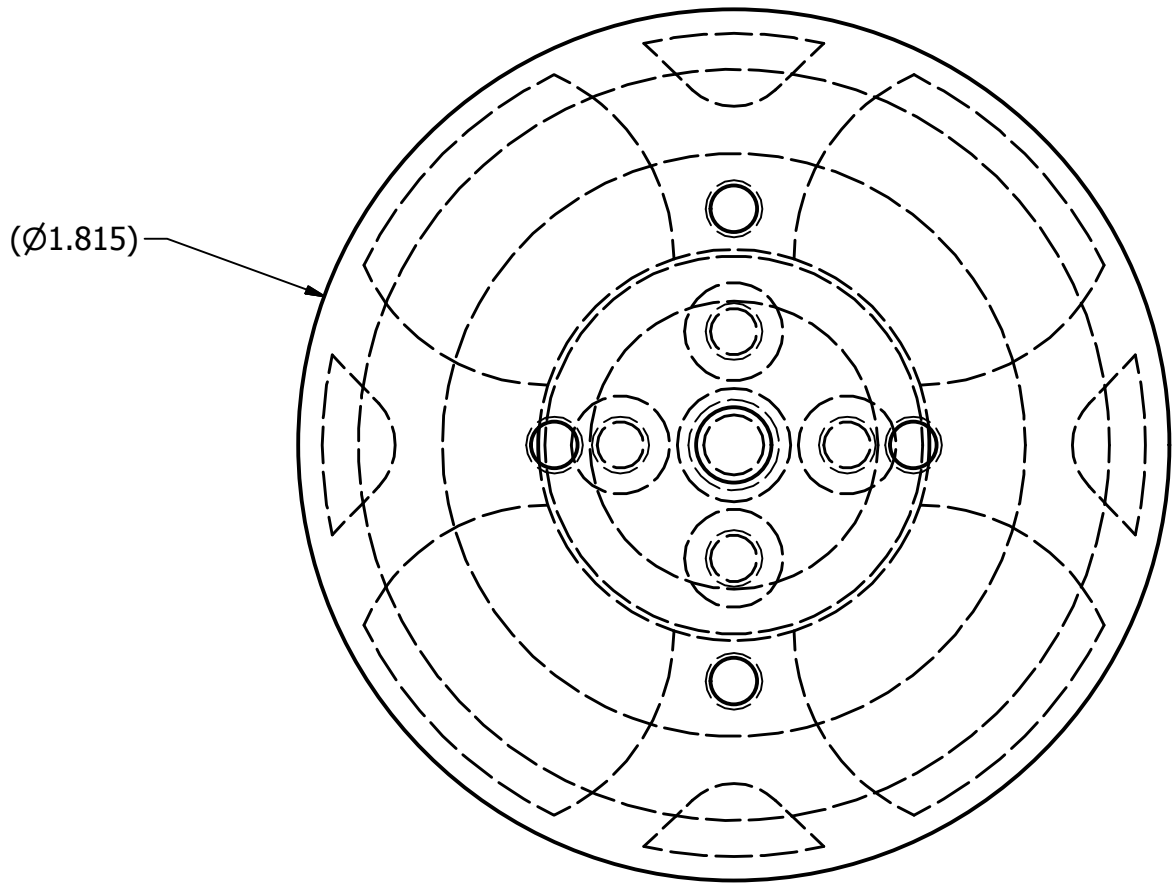
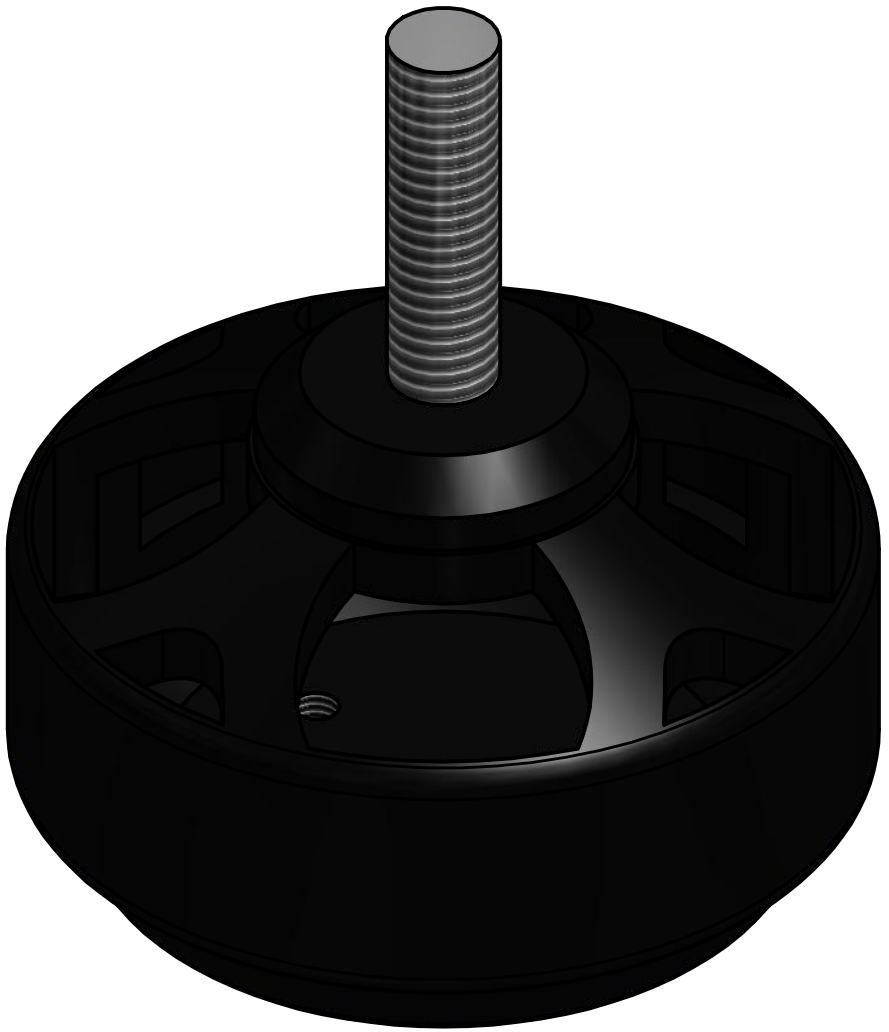
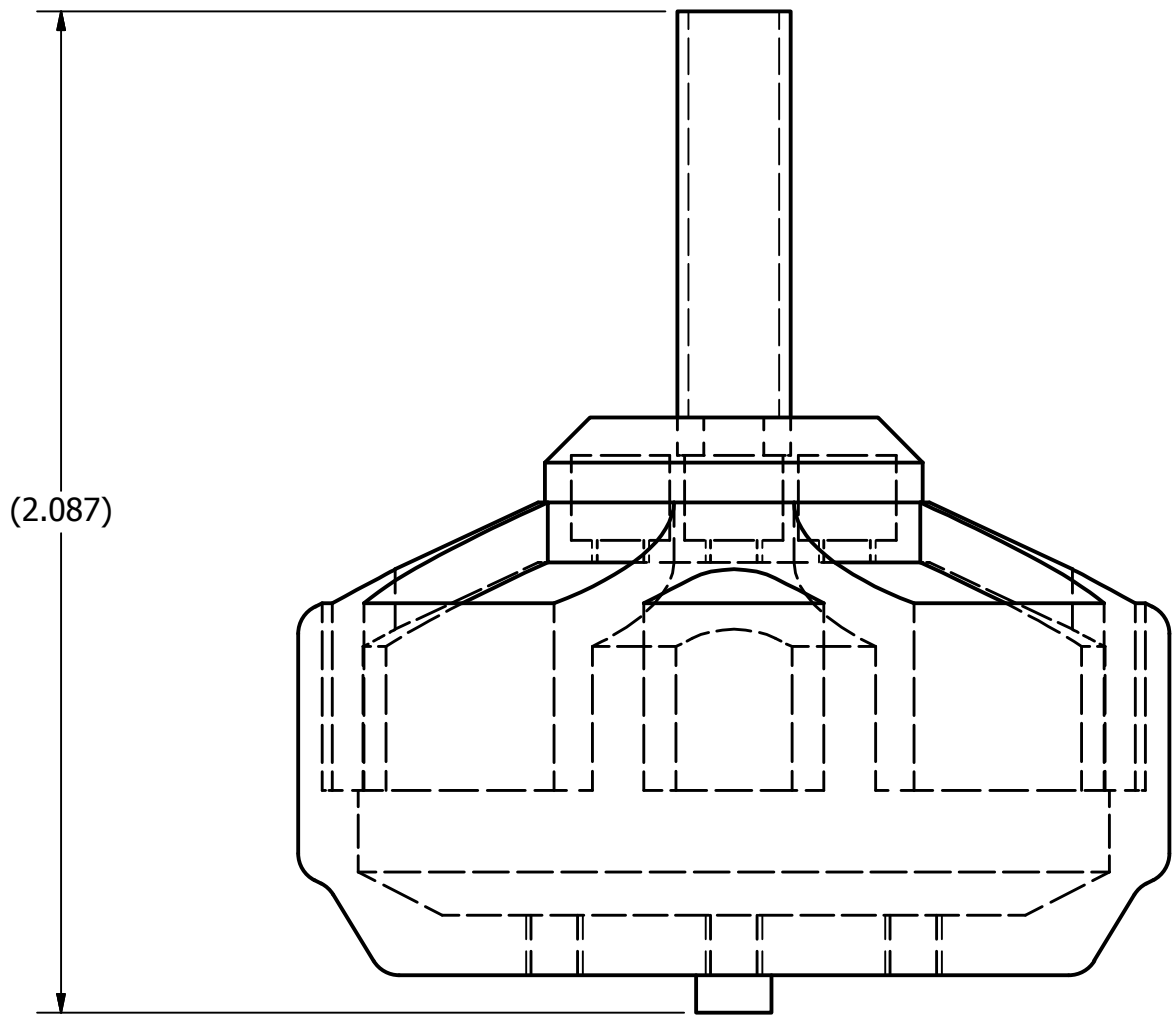
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995



SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	X4108S	OMGFLY myomgfly@gmail.com

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



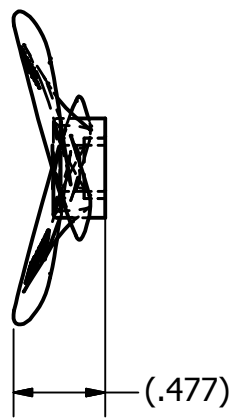
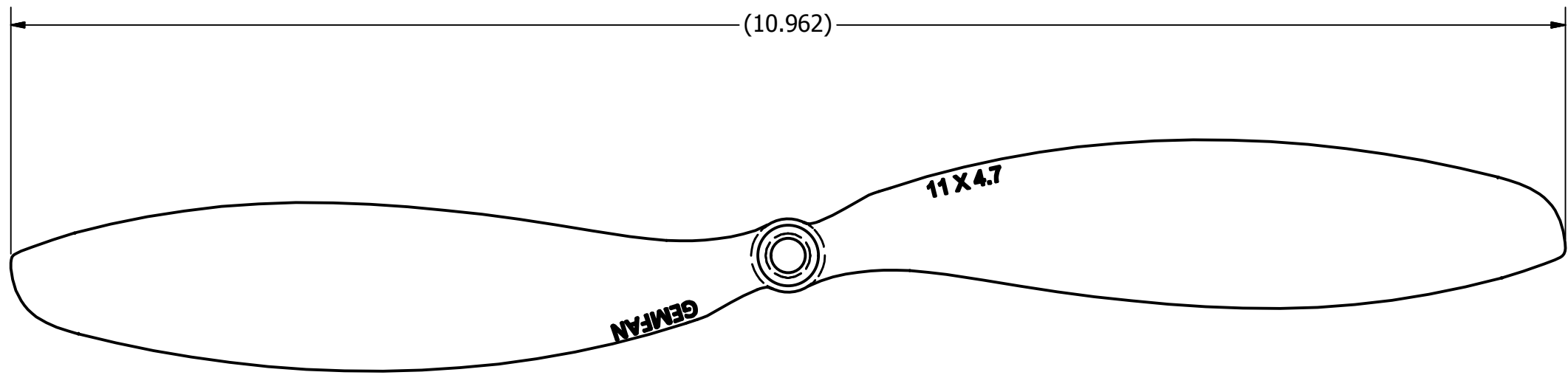
NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

SOURCE CONTROL DRAWING

6	2	X4108S	600KV MOTOR		
ITEM	QTY	PART NUMBER	DESCRIPTION		SPECIFICATION
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		DRAWN: J. FIGUEROA	4/11/2013
		UNDER .014 0	+ .000 - .006	CHECKED: O. MAH	4/24/2013
FINISH:		.014 THRU .125	+ .004 - .001	QA: D. DOAN	4/24/2013
		.126 THRU .250	+ .005 - .001	INPS: M. DELORIO	4/24/2013
WEIGHT:		.251 THRU .500	+ .005 - .001	APPROVED: L. LYE	4/24/2013
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5°	 DELTA TECHNOLOGIES	SIZE: DWG NO: D 02-10-06 SCALE: 5:2 SUBSYSTEM: SHROULDS SHEET: 1 OF 1
		TITLE: OTS, 600KV MOTOR		REV: ---	

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	9329000031	Hobby King 10011 Bridgeport Way Lakewood, WA 98499

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



SOURCE CONTROL DRAWING

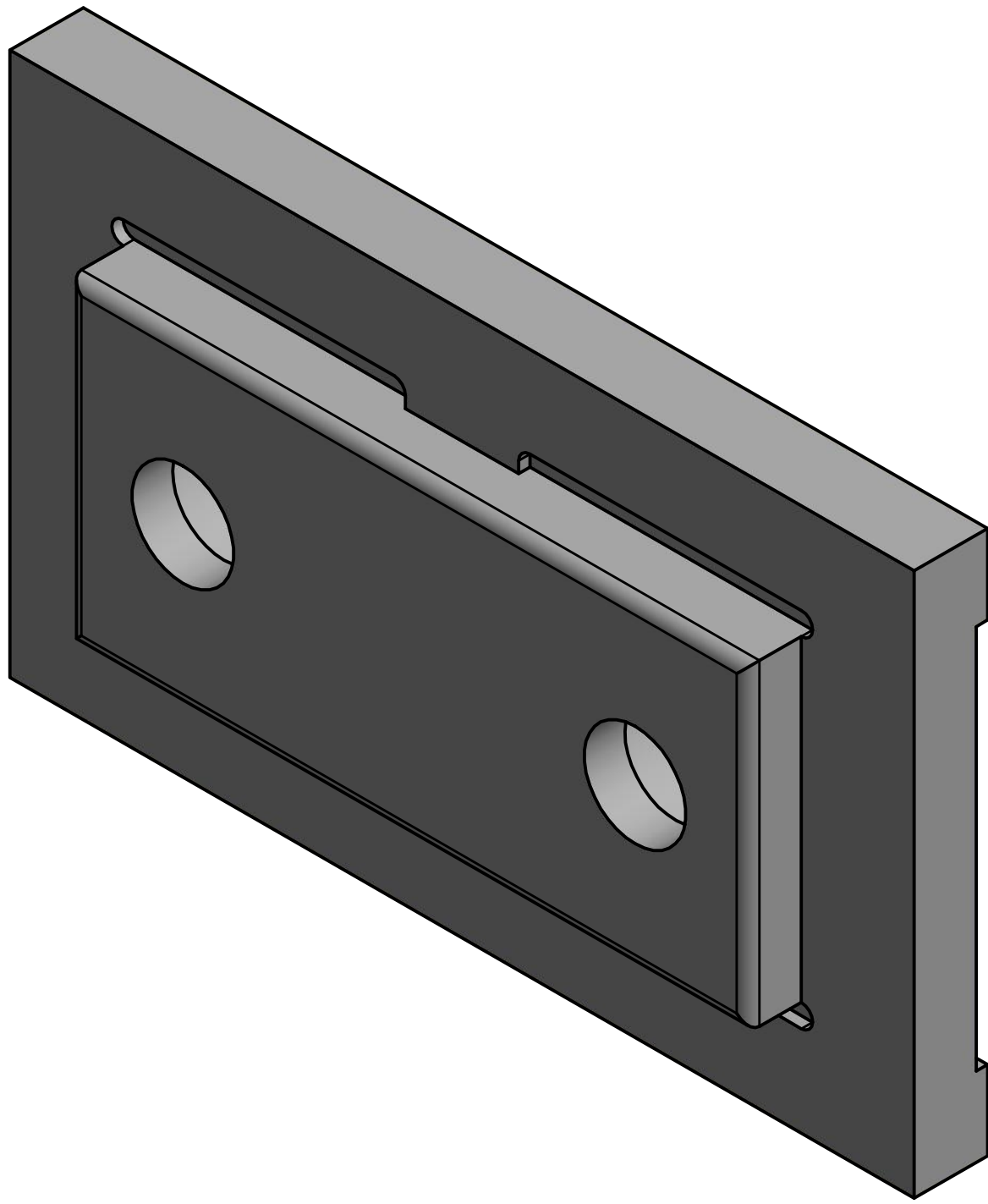
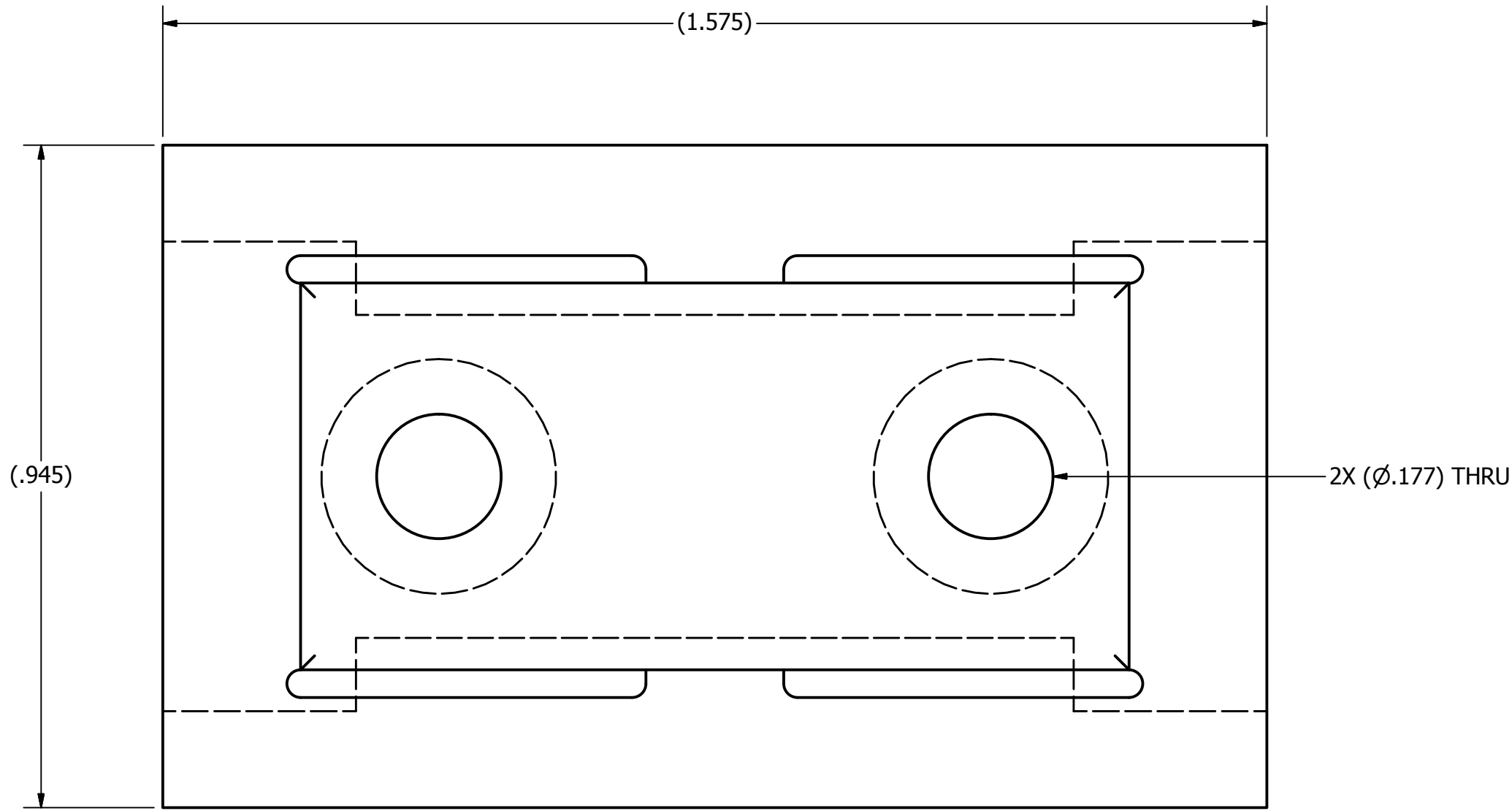
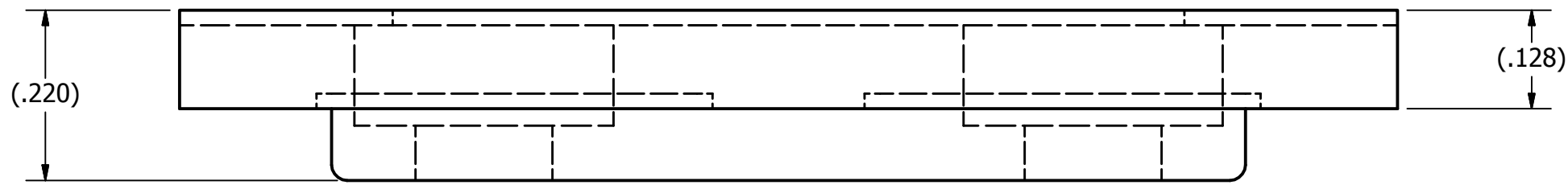
NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

7	2	OR001-00311	11X4.7 PROPELLER		
ITEM	QTY	PART NUMBER	DESCRIPTION		SPECIFICATION
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		DRAWN: J. FIGUEROA CHECKED: O. MAH DATE: 4/11/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES
FINISH:		UNDER .014 0	+ .0020 - .006	500 THRU .750 + .008 - .016	
WEIGHT:		.014 THRU .125	+ .004 - .001	.751 THRU 1.000 + .010 - .001	
		.126 THRU .250	+ .005 - .001	1.000 THRU 2.000 + .012 - .001	
		.251 THRU .500	+ .005 - .001	OVER 2.000 + .015 - .005	
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5°	DELTA TECHNOLOGIES	SIZE: DWG NO: D 02-10-07 SCALE: 1:1 SUBSYSTEM SHROULDS SHEET: 1 OF 1

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	6723K11	McMaster-Carr 9630 Norwalk Blvd. Santa Fe Springs, CA 90670 (562) 692-5911 la.sales@mcmaster.com

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



NOTES: UNLESS OTHERWISE SPECIFIED

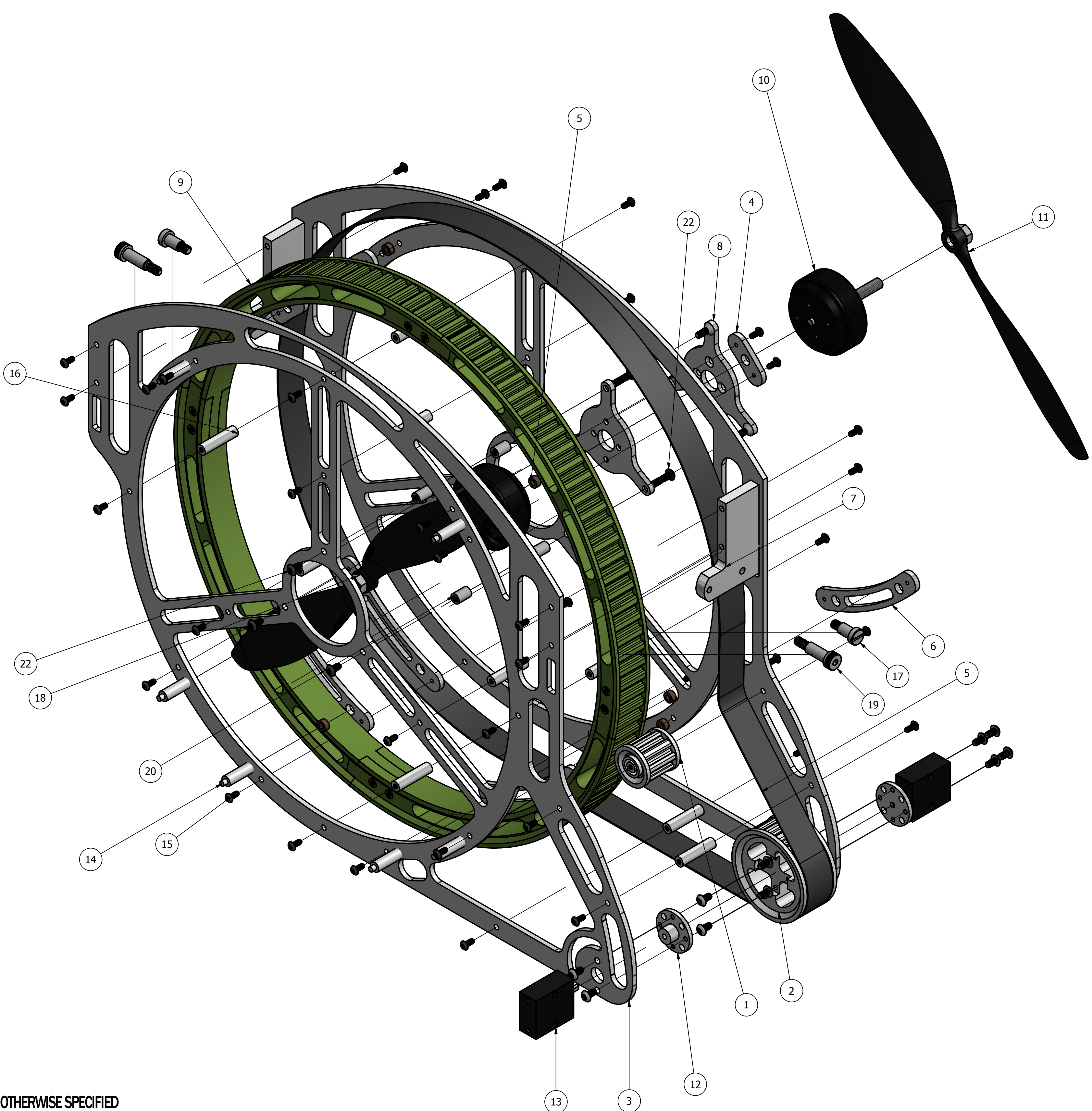
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

SOURCE CONTROL DRAWING

5	2	6723K11	LOW-PROFILE CARRIAGE	
ITEM	QTY	PART NUMBER	DESCRIPTION	SPECIFICATION
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		DRAWN: J. FIGUEROA CHECKED: O. MAH DATE: 4/11/2013
FINISH:		UNDER .014 0 +.000 -.006	500 THRU .750 +.008 -.010	DATE: 4/24/2013
WEIGHT:		.014 THRU .125 +.004 -.001	.751 THRU 1.000 +.010 -.001	DATE: 4/24/2013
		.126 THRU .250 +.005 -.001	1.000 THRU 2.000 +.012 -.001	DATE: 4/24/2013
		.251 THRU .500 +.005 -.001	OVER 2.000 +.015 -.005	DATE: 4/24/2013
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5°	DELTA TECHNOLOGIES
SIZE: D		DWG NO: 02-10-05		REV: --
SCALE: 5:1		SUBSYSTEM: SHROULDS	SHEET: 1 OF 1	

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PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



REVISION HISTORY		
REV	DESCRIPTION	APPROVED

22	18	91255A144	OTS, ALLOY STEEL BUTTON HEAD SOCKET CAP SCREW 6-32 THREAD, 1/4" LENGTH
21	6	91253A146	OTS, ALLOY STEEL FLAT HEAD SOCKET CAP SCREW 6-32 THREAD, 3/8" LENGTH, BLACK OXIDE
20	6	93330A443	OTS, ALUMINUM FEMALE THREADED ROUND STANDOFF 1/4" OD, 3/8" LENGTH, 6-32 SCREW SIZE
19	2	97345A539	OTS, 316 STAINLESS STEEL SHOULDER SCREW 1/4" SHOULDER DIA, 5/8" SHOULDER LENGTH, 10-24 THRD
18	2	90592A016	OTS, METRIC PLAIN STEEL HEX NUT CLASS 8, M6 SIZE, 1MM PITCH, 10MM W, 5MM H
17	2	99154A385	OTS, 10-32-375IN, LOW PROFILE SHOULDER SCREW
16	10	93330A439	OTS, ALUMINUM FEMALE THREADED ROUND STANDOFF 1/4" OD, 1" LENGTH, 4-40 SCREW SIZE
15	44	91255A106	OTS, ALLOY STEEL BUTTON HEAD SOCKET CAP SCREW 4-40 THREAD, 1/4" LENGTH
14	6	9368T95	OTS, GRAPHITE SAE 841 BRONZE SLEEVE BRNG FOR 1/8" SHAFT DIA, 1/4" OD, 1/8" LENGTH
13	2	MGB-298	OTS, MICRO GEARMOTOR
12	2	545348	OTS, SET SCREW HUB
11	2	OR001-00311	OTS, 11X4.7 PROPELLER
10	2	X4108S	OTS, 600KV MOTOR
9	1	02-21-00	ASSY, SHROUDS, WHEEL RIM
8	2	02-20-08	IPT, SHROUDS, MOTOR MOUNT
7	2	02-20-07	IPT, SHROUDS, HINGE ARM
6	4	02-20-06	IPT, SHROUDS, BOTTOM AXLE PLATE
5	12	02-20-05	IPT, SHROUDS, AXLE
4	4	02-20-04	IPT, SHROUDS, TOP AXLE PLATE
3	2	02-20-03	IPT, SHROUDS, SIDE ROTOR SUPPORT PLATE
2	1	02-20-02	IPT, SHROUDS, POWER PULLEY
1	1	02-20-01	IPT, SHROUDS, IDLER PULLEY
ITEM	QTY	PART NUMBER	DESCRIPTION

NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

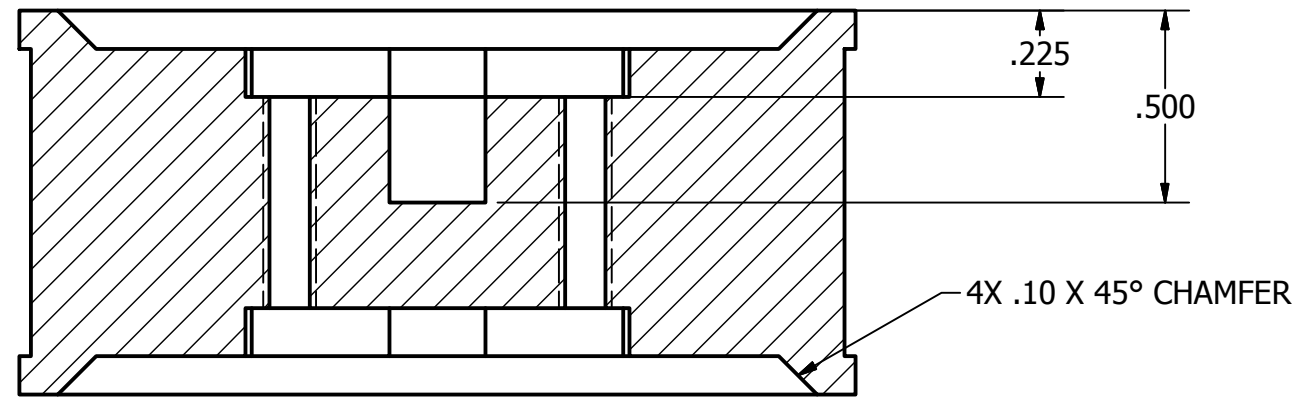
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL HOLE DIMETERS		DRAWN: J. FIGUEROA	4/11/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES		
		UNDER .014 0	+ .002 - .005	500 THRU .750	+ .008 - .004		CHECKED: O. MAH	4/24/2013
FINISH:		.014 THRU .125	+ .004 - .001	.751 THRU 1.000	+ .000 - .001		DATE: D. DOAN	4/24/2013
		.126 THRU .250	+ .005 - .001	1.000 THRU 2.000	+ .002 - .001		INPS: M. DELORIO	4/24/2013
WEIGHT: 2.235 LBS.		251 THRU .500	+ .005 - .001	OVER 2.000	+ .005 - .001		APPROVED: L. LYE	4/24/2013
		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1		ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5°			DELTA TECHNOLOGIES	
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BLURS AND SHARP EDGES.						SIZE: DWG NO: D 22000 SCALE: 3:4 SUBSYSTEM SHROUDS SHEET: 1 OF 1	REV: —	

NOTES: UNLESS OTHERWISE SPECIFIED

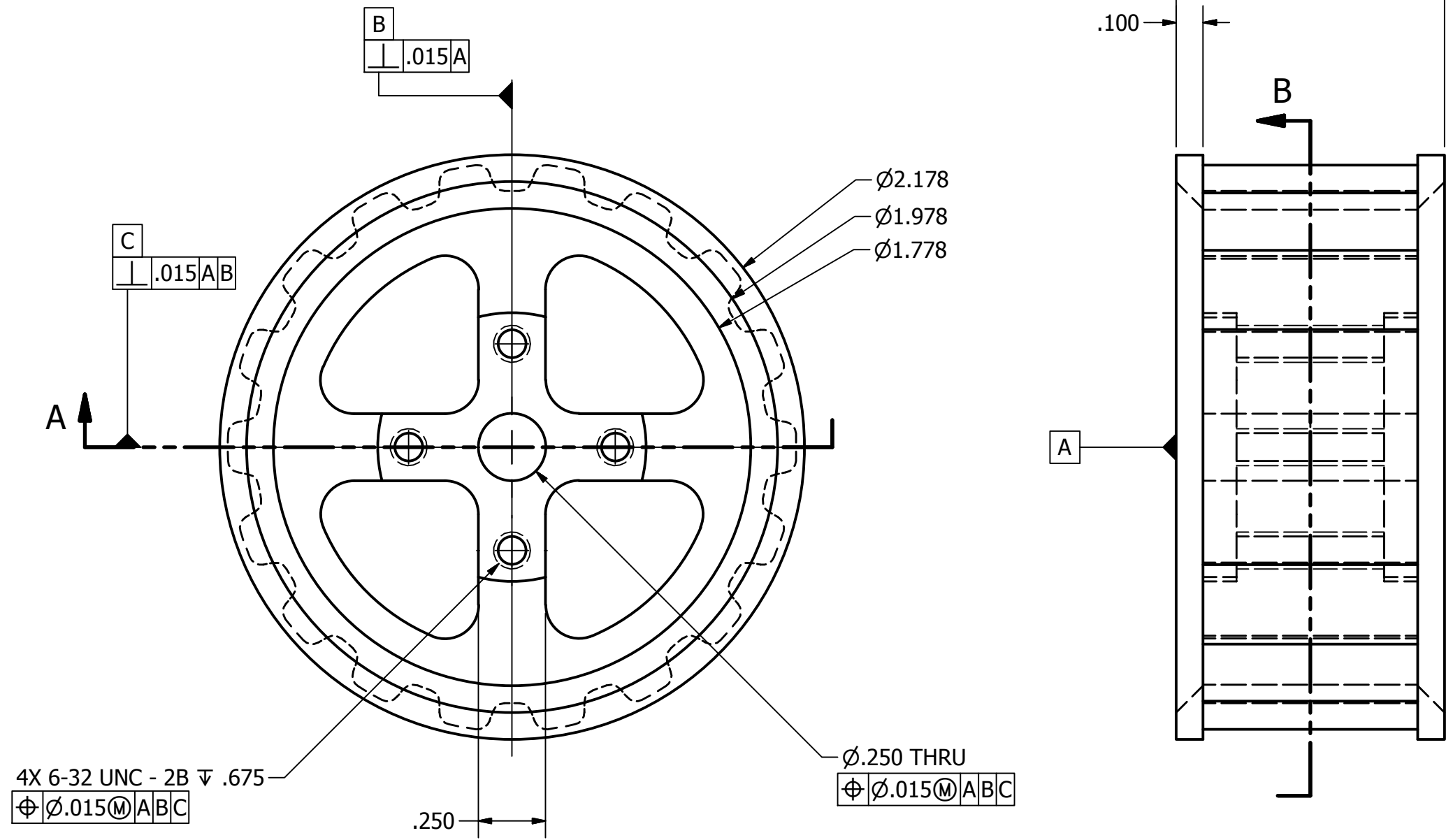
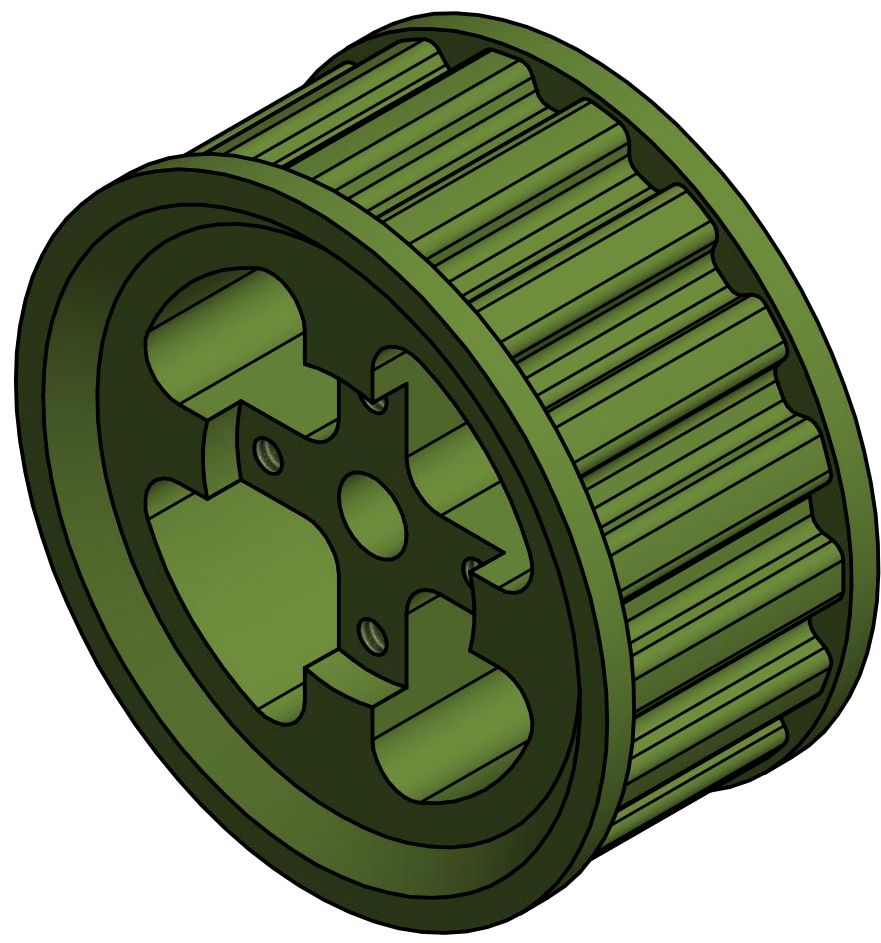
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

1 3/8 IN L TIMING BELT PROFILE

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



SECTION A-A
SCALE 2: 1

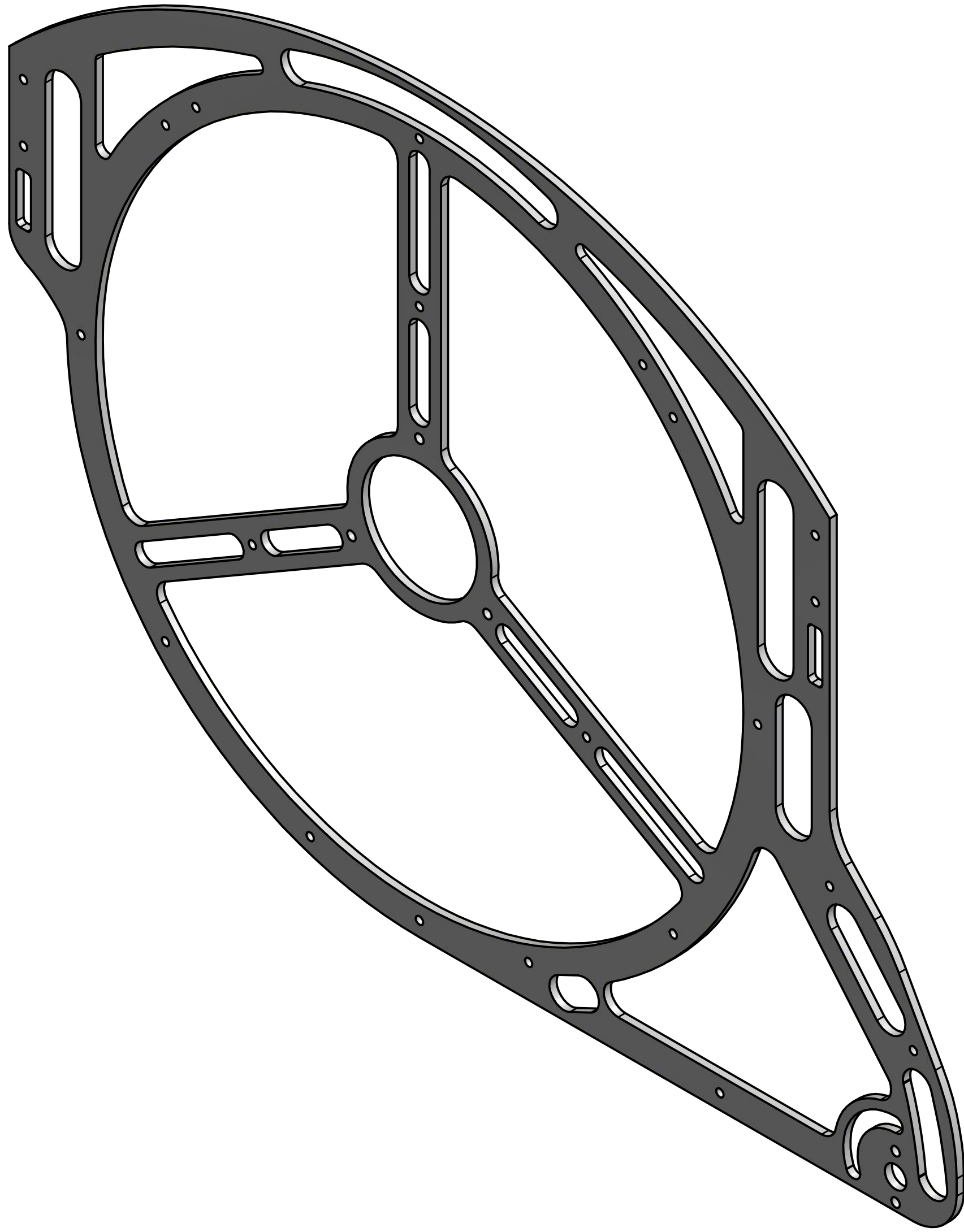


SECTION B-B
SCALE 2: 1

- NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995
 2. 3/8 IN L TIMING BELT PROFILE

2		1	02-20-02	POWER PULLEY			
ITEM	QTY	PART NUMBER		DESCRIPTION		SPECIFICATIONS	
MATERIAL:		ABS PLASTIC		DRAWN: J. FIGUEROA		4/11/2013	
FINISH:				CHECKED: O. MAH		4/24/2013	
WEIGHT:		0.068 LBS.		APPROVED: D. DOAN		4/24/2013	
1. DO NOT SCALE DRAWING.		ON DECIMAL DIMENSIONS:		ON ANGULAR DIMENSIONS:		DELTA TECHNOLOGIES	
2. INTERPRET PER ASME Y14.5M-1995		XXX ±.010		MACHINING: ±0°30'		SIZE: D	
3. DIMENSIONS ARE IN INCHES.		XX ±.03		LOCATING: ±0°30'		DWG NO: 02-20-02	
4. REMOVE BURRS AND SHARP EDGES		X ±.1		CHAMFERS ±.5		SCALE: 2:1	
						SUBSYSTEM: SHROULDS	
						SHEET: 1 OF 1	

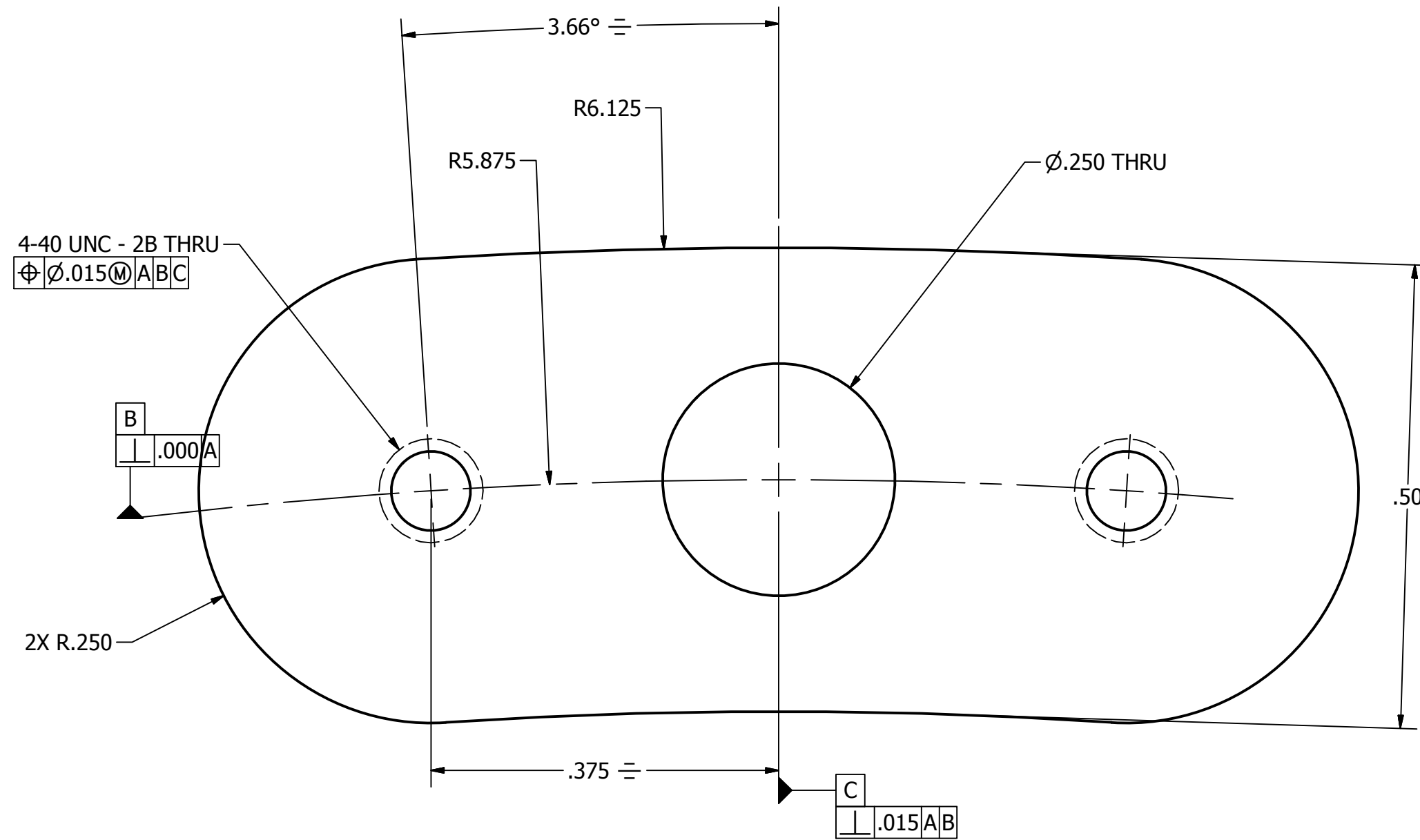
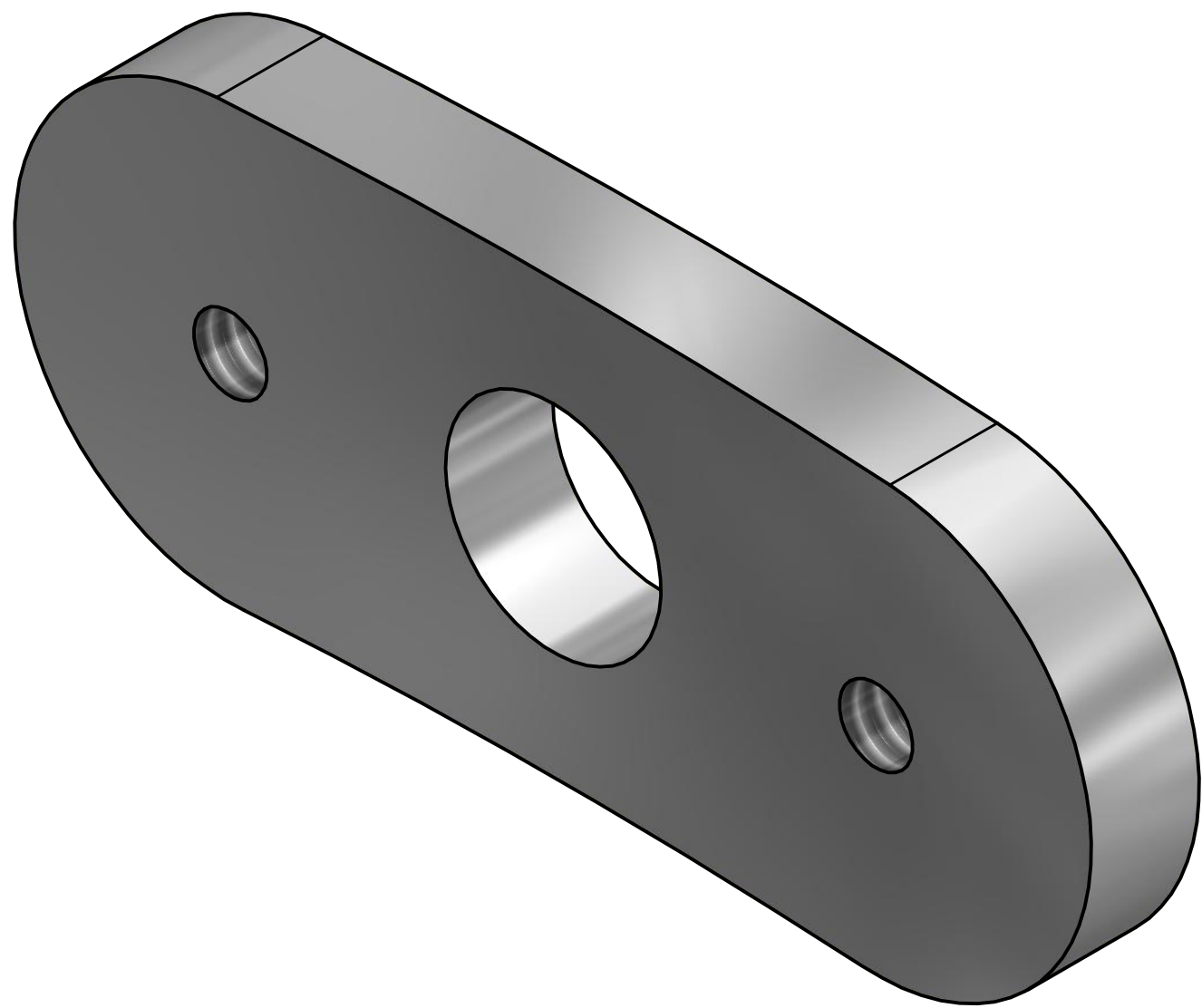
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



DELTA
TECHNOLOGIES

A

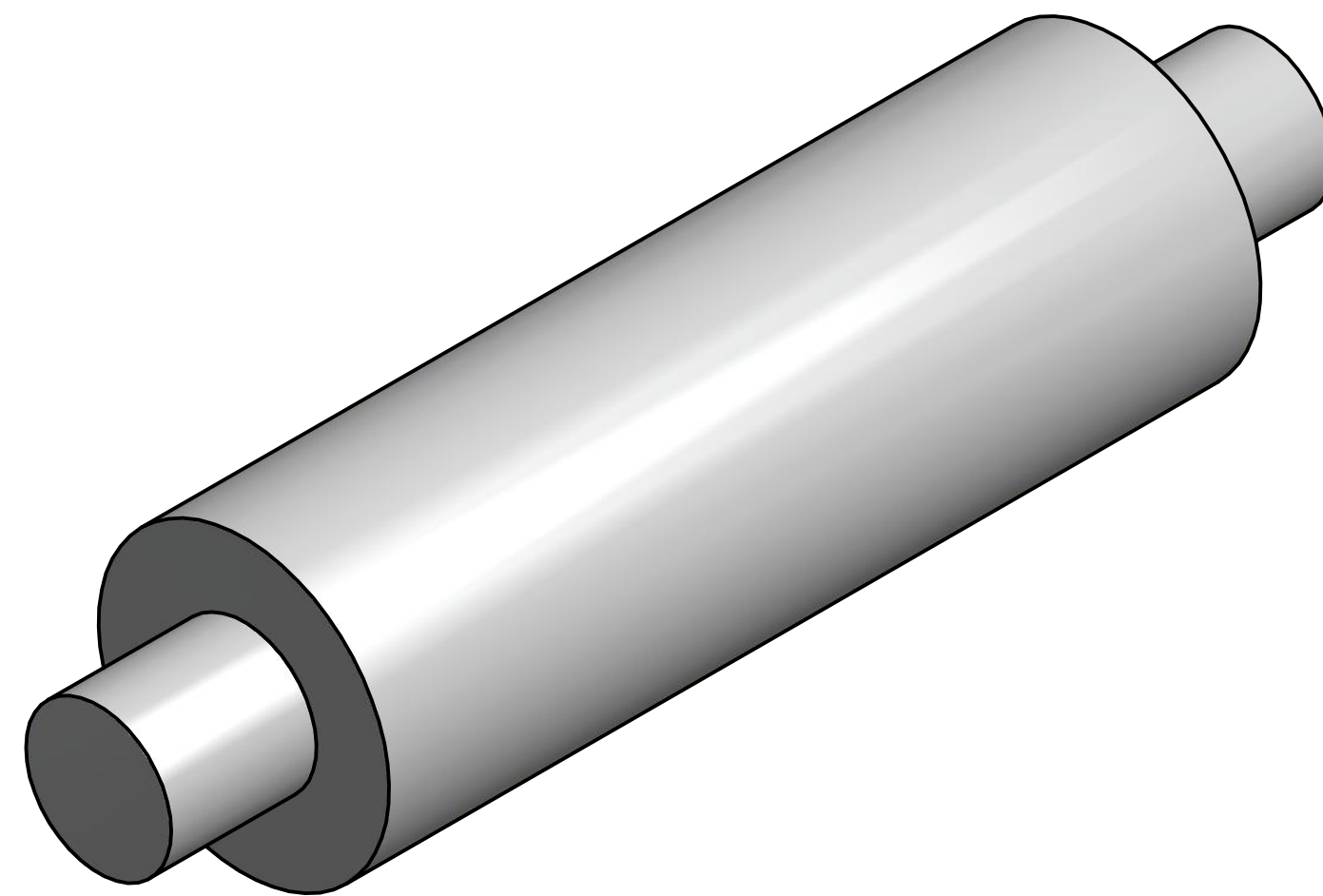
REVISION HISTORY		
REV	DESCRIPTION	APPROVED



NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

4	4	02-20-04	TOP AXLE PLATE				
ITEM	QTY	PART NUMBER			DESCRIPTION	SPECIFICATION	
MATERIAL:		ALUMINUM 6061			UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES	
FINISH:					DRAWN: D.DON		4/11/2013
WEIGHT:		0.006 LBS.			CHECKED: J. FIGUEROA		4/24/2013
					DATE: D.DON		4/24/2013
					APPROVED: M. DELORIO	4/24/2013	
					APPROVED: L LYE	4/24/2013	

SIZE:	DWG NO:	REV:
D	02-20-05	—
LE: 9:1	SUBSYSTEM: SHROUDS	SHEET: 1 OF 1



1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995



DELTA
TECHNOLOGIES

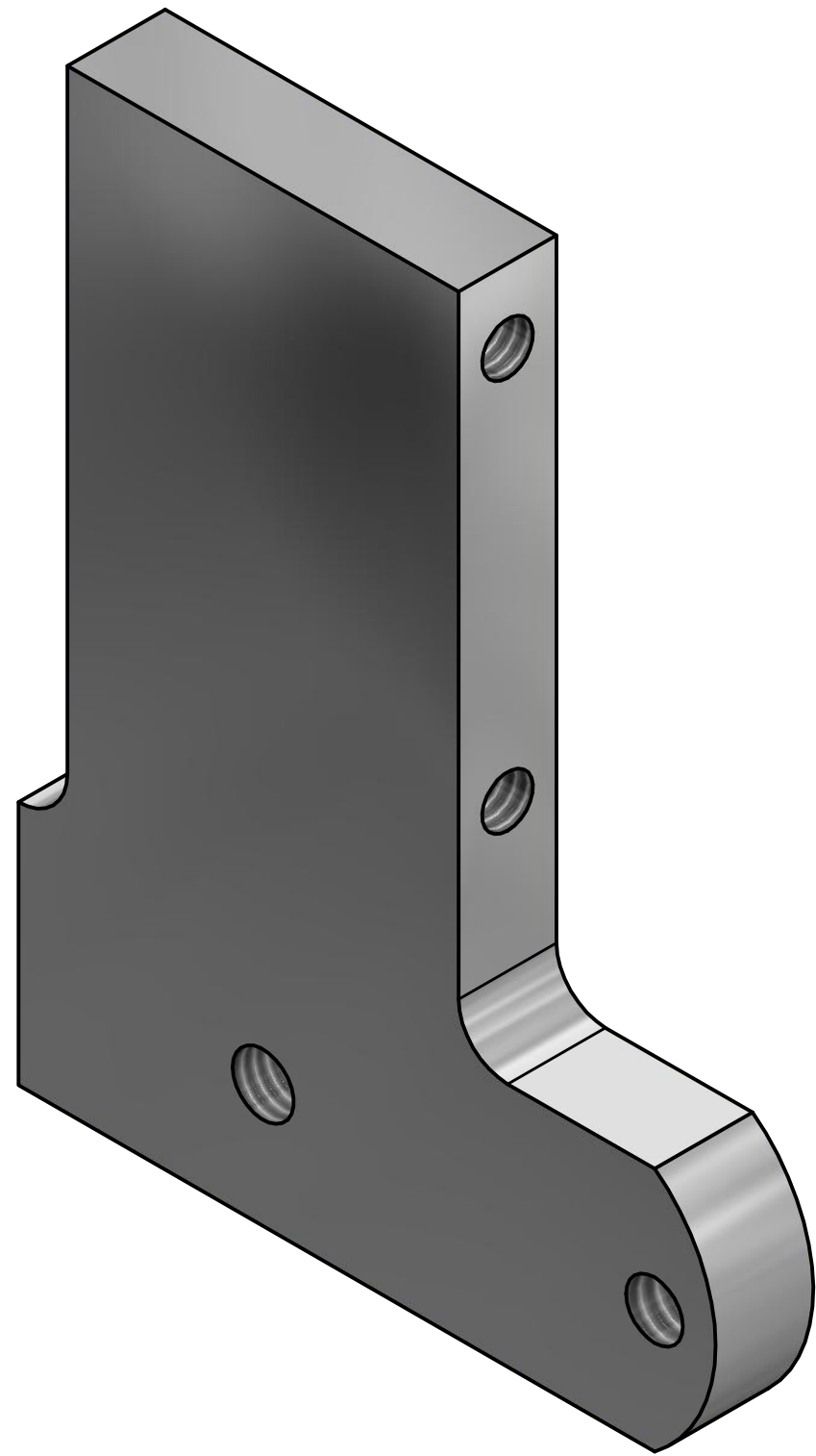
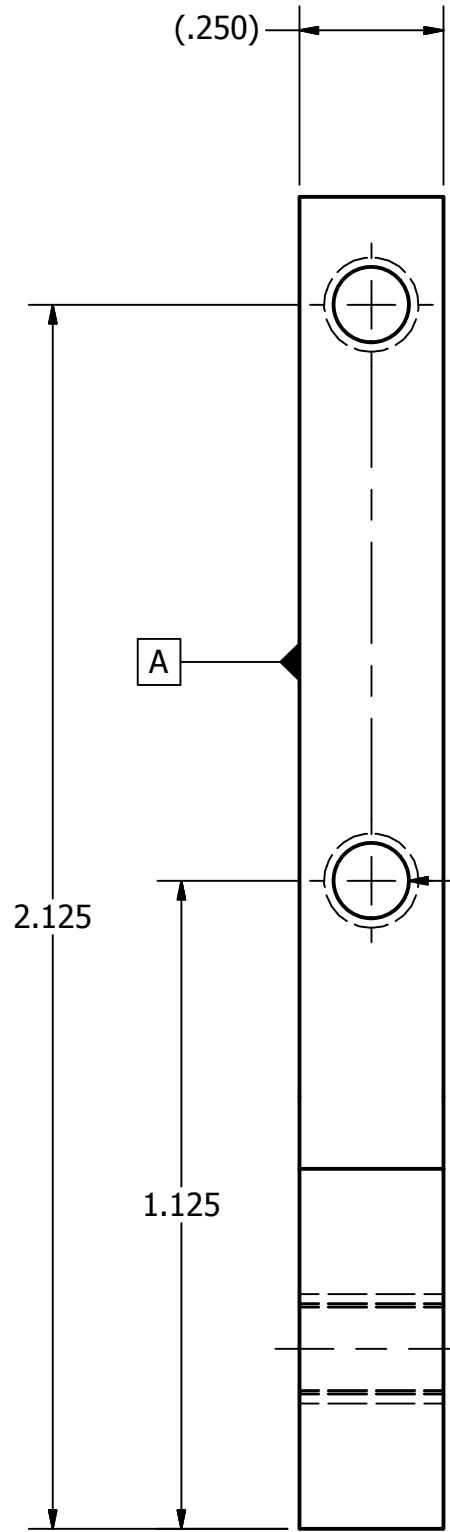
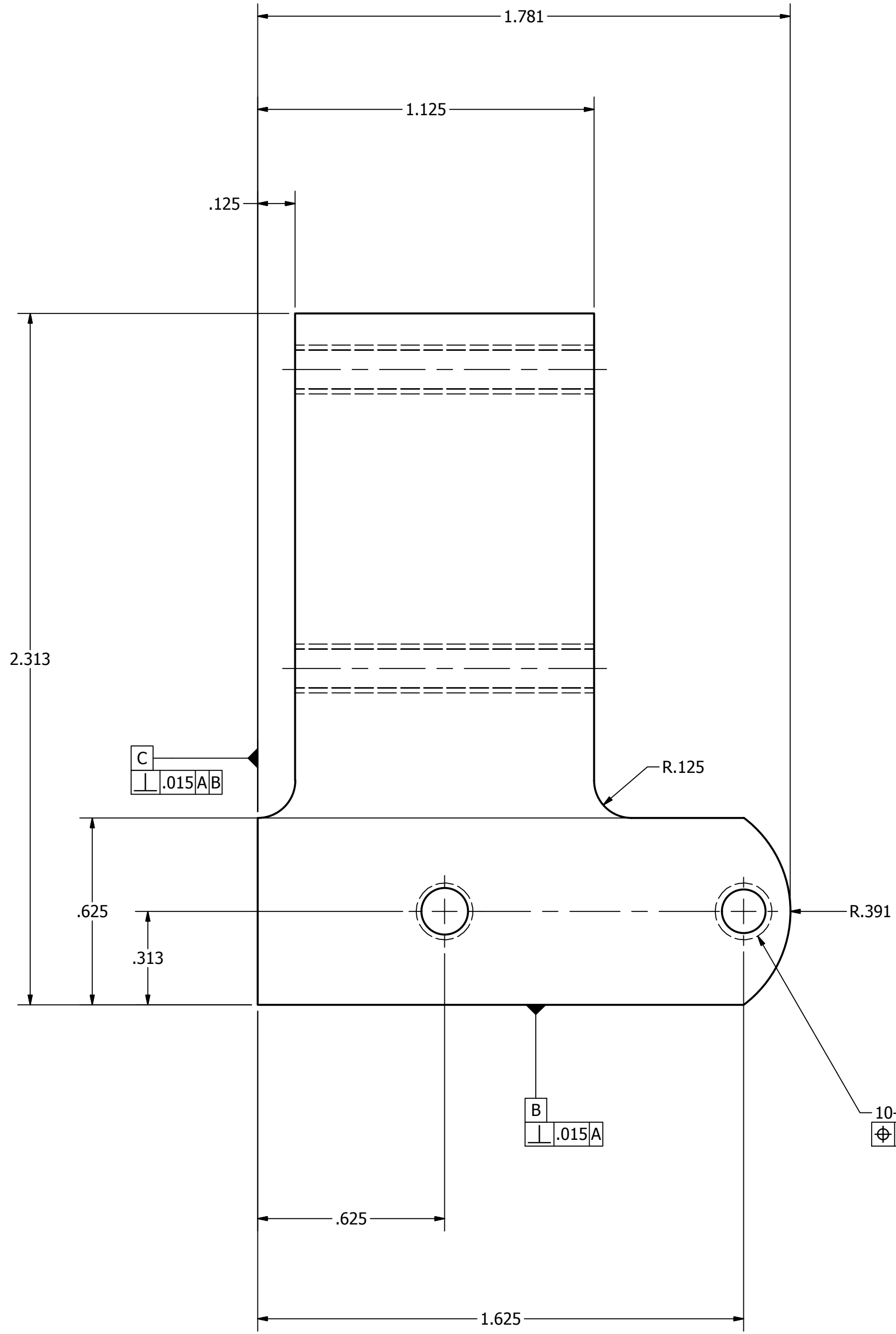
SIZE: D	DWG NO: 02-20-06	REV: —
SCALE: 3:1	SUBSYSTEM: SHROUDS	SHEET: 1 OF 1



4

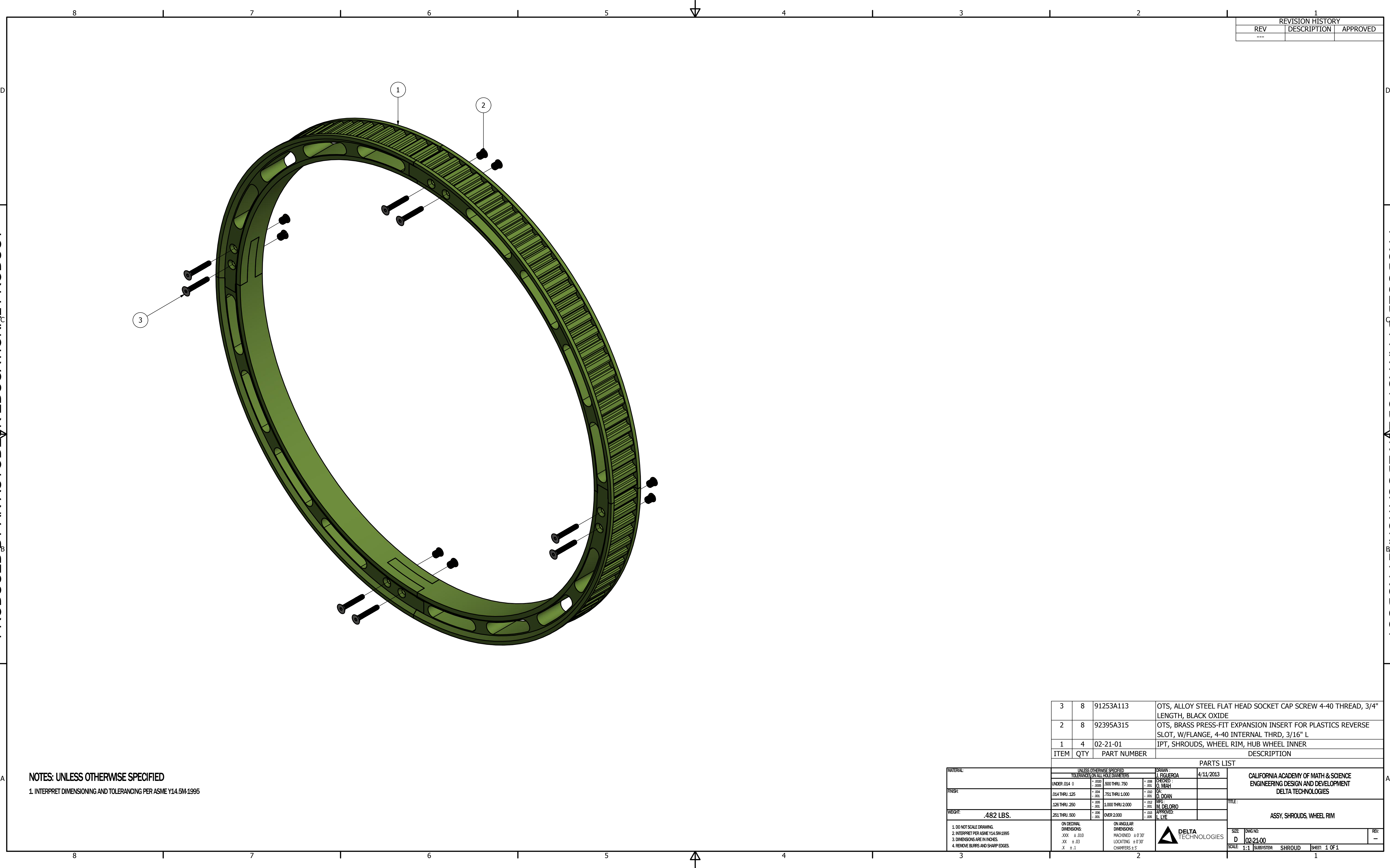
4

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

7	2	02-20-07	HINGE ARM		
ITEM	QTY	PART NUMBER	DESCRIPTION		SPECIFICATIONS
MATERIAL:		ALUMINUM 6061	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN: J. FIGUEROA CHECKED: O. MAH DATE: 4/11/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES TITLE: IPT, SHROUDS, HINGE ARM
FINISH:			UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	APPROVED: M. DELORIO DATE: 4/24/2013	
WEIGHT:		0.065 LBS.	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	APPROVED: L. LYE DATE: 4/24/2013	
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES.			ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1 ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5°	DELTA TECHNOLOGIES	
SIZE: D		DWG NO: 02-20-07	SCALE: 3:1		REV: -
		SUBSYSTEM	SHROUDS	SHEET: 1 OF 1	

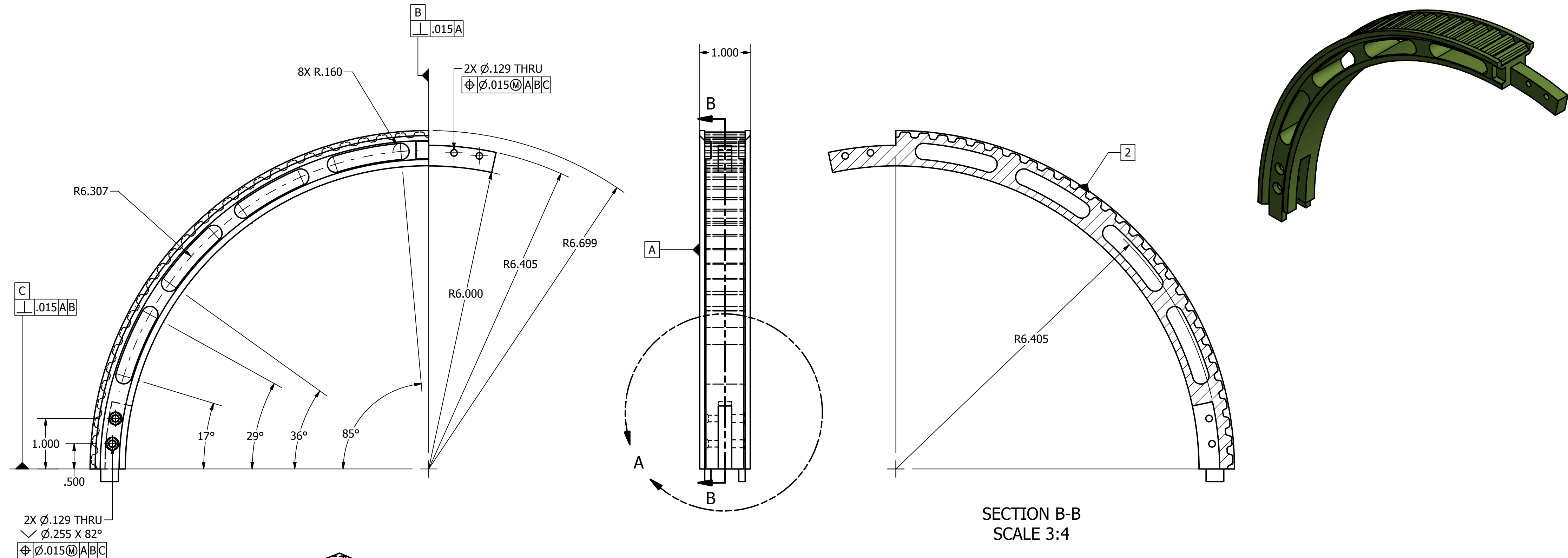


NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

3	8	91253A113	OTS, ALLOY STEEL FLAT HEAD SOCKET CAP SCREW 4-40 THREAD, 3/4" LENGTH, BLACK OXIDE
2	8	92395A315	OTS, BRASS PRESS-FIT EXPANSION INSERT FOR PLASTICS REVERSE SLOT, W/FLANGE, 4-40 INTERNAL THRD, 3/16" L
1	4	02-21-01	IPT, SHROUDS, WHEEL RIM, HUB WHEEL INNER
ITEM	QTY	PART NUMBER	DESCRIPTION

MATERIAL:		UNLESS OTHERWISE SPECIFIED				DRAWN: E. FIGUEROA		4/11/2013		CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES	
		TOLERANCES ON ALL HOLE DIAMETERS				CHECKED: O. MAH					
FINISH:		UNDER .014 0	+ .000 - .006	500 THRU .750	+ .008 - .01	CHECKED:	D. DOAN	M. DELORIO	TITLE:	ASSY, SHROUDS, WHEEL RIM	
		.014 THRU .125	+ .004 - .001	.751 THRU 1.000	+ .010 - .001	APPROVED:					
WEIGHT:		.126 THRU .250	+ .005 - .001	1.000 THRU 2.000	+ .012 - .001	L. LYE					
		.251 THRU .500	+ .005 - .001	OVER 2.000	+ .015 - .005						
		.482 LBS.									
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES.		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1		ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5°		 DELTA TECHNOLOGIES		SIZE: DWG NO:			REV: —
								D 02-21-00			
								SCALE: 1:1	SUBSYSTEM SHROUD	SHEET: 1 OF 1	

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



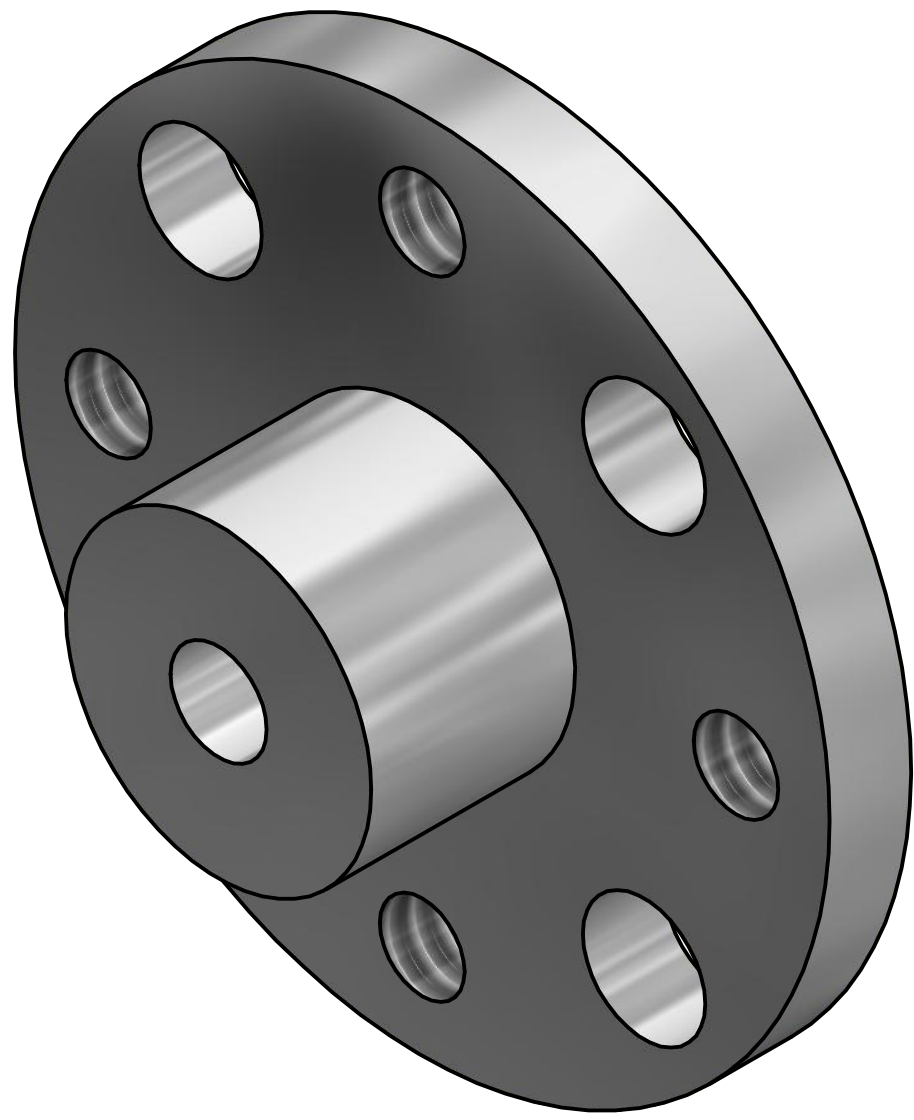
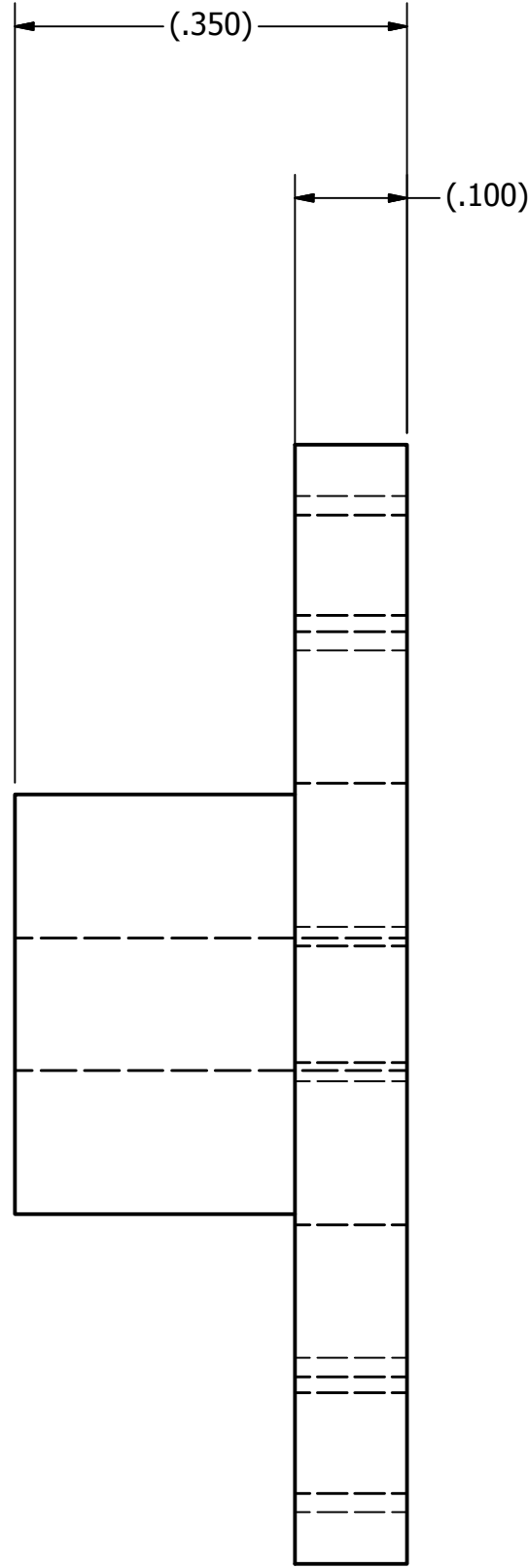
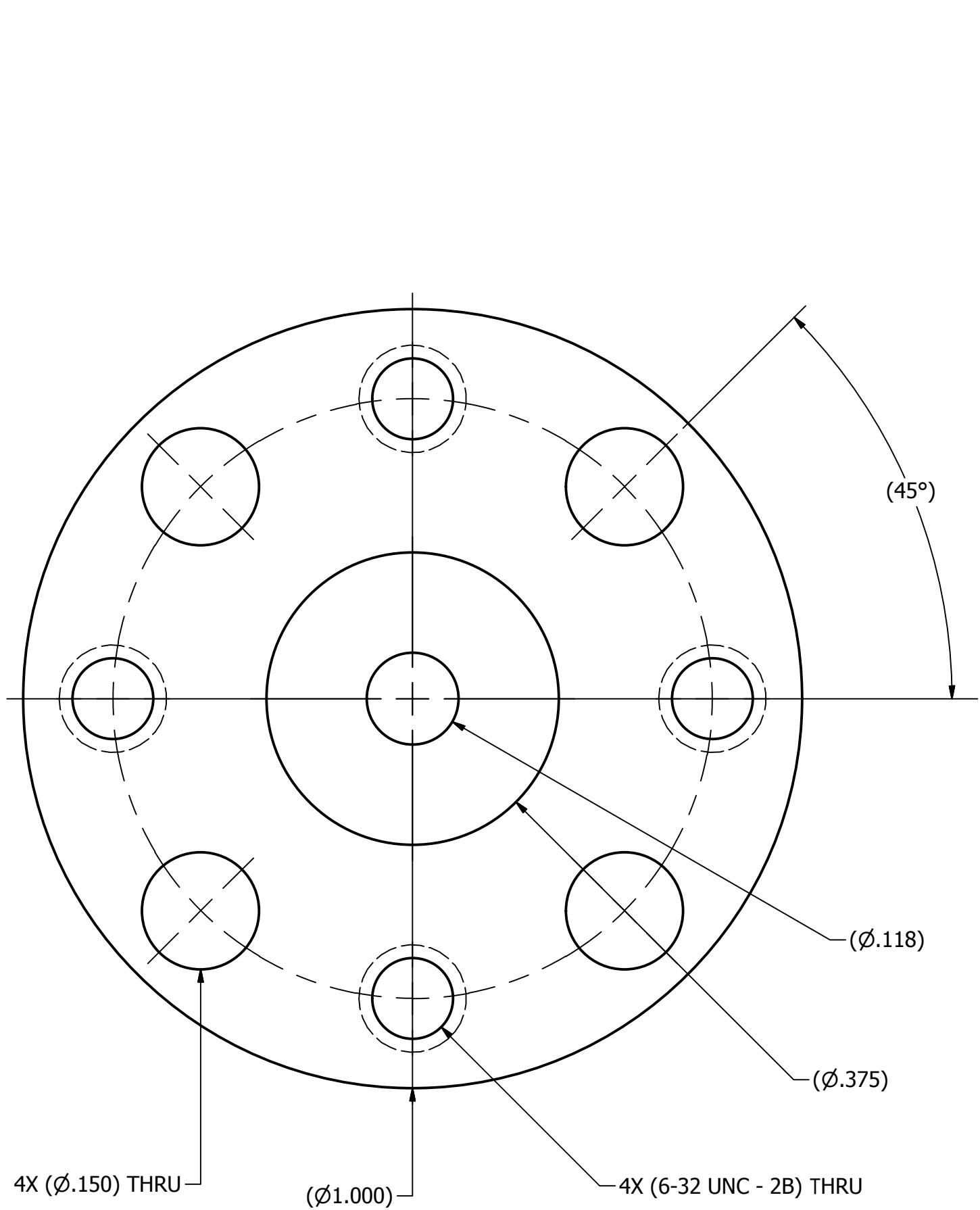
NOTES: UNLESS OTHERWISE SPECIFIED

- INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995
- ALL POCKETS ARE THRU
- 3/8 IN L TIMING BELT PROFILE

1		4	02-21-01	HUB WHEEL INNER	
ITEM	QTY	PART NUMBER		DESCRIPTION	SPECIFICATIONS
MATERIAL:		ABS PLASTIC		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN: J. FIGUEROA CHECKED: O. MAH DATE: 4/11/2013 DATE: 4/24/2013
FINISH:		.004 THRU .125		±.000 -.005 500 THRU .750 ±.004 -.001 751 THRU 1.000 ±.003 -.001 1.000 THRU 2.000 ±.005 -.001 2.001 THRU 5.000 ±.005 -.001	DATE: 4/24/2013 DATE: 4/24/2013 DATE: 4/24/2013 DATE: 4/24/2013
WEIGHT:		0.115 LBS.		ON ANGULAR DIMENSIONS: MACHINED: ±0°30' LOCATING: ±0°30' CHAMFERS: ±5	DATE: 4/24/2013 DATE: 4/24/2013 DATE: 4/24/2013 DATE: 4/24/2013
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: XXX ±.010 XX ±.03 X ±.1		DELTA TECHNOLOGIES	SIZE: D DWG NO: 02-21-01 SCALE: 3:4 SUBSYSTEM: SHROULDS SHEET: 1 OF 1

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	545348	ServoCity 3850 East 12th Avenue Winfield, KS 67156 (620) 224-0123 Orders@ServoCity.com

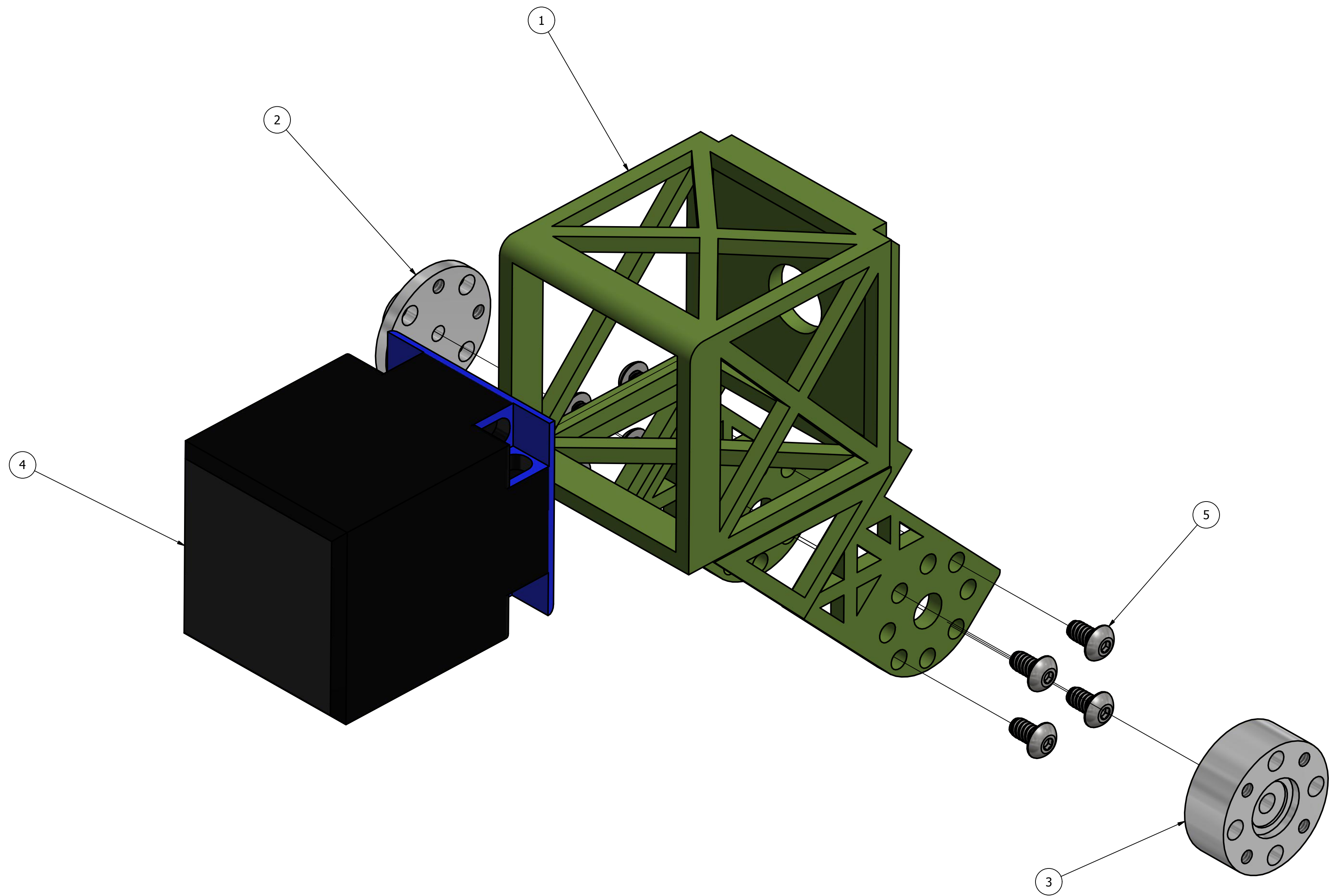
REVISION HISTORY		
REV	DESCRIPTION	APPROVED



NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

SOURCE CONTROL DRAWING

12	2	545348	SET SCREW HUB		
ITEM	QTY	PART NUMBER	DESCRIPTION	SPECIFICATIONS	
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		DRAWN J. FIGUEROA	4/11/2013
		UNDER .014 0		CHECKED O. MAH	4/24/2013
		.014 THRU .125		QA D. DOAN	4/24/2013
		.126 THRU .250		INSP. M. DELORIO	4/24/2013
		.251 THRU .500		APPROVED L. LYE	4/24/2013
WEIGHT:		0.009 LBS.		TITLE: OTS, SET SCREW HUB	
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5°	DELTA TECHNOLOGIES	
SCALE: 6:1		SUBSYSTEM: SHROULDS		SIZE: DWG NO: D 02-20-12	REV: ---
				SHEET: 1 OF 1	

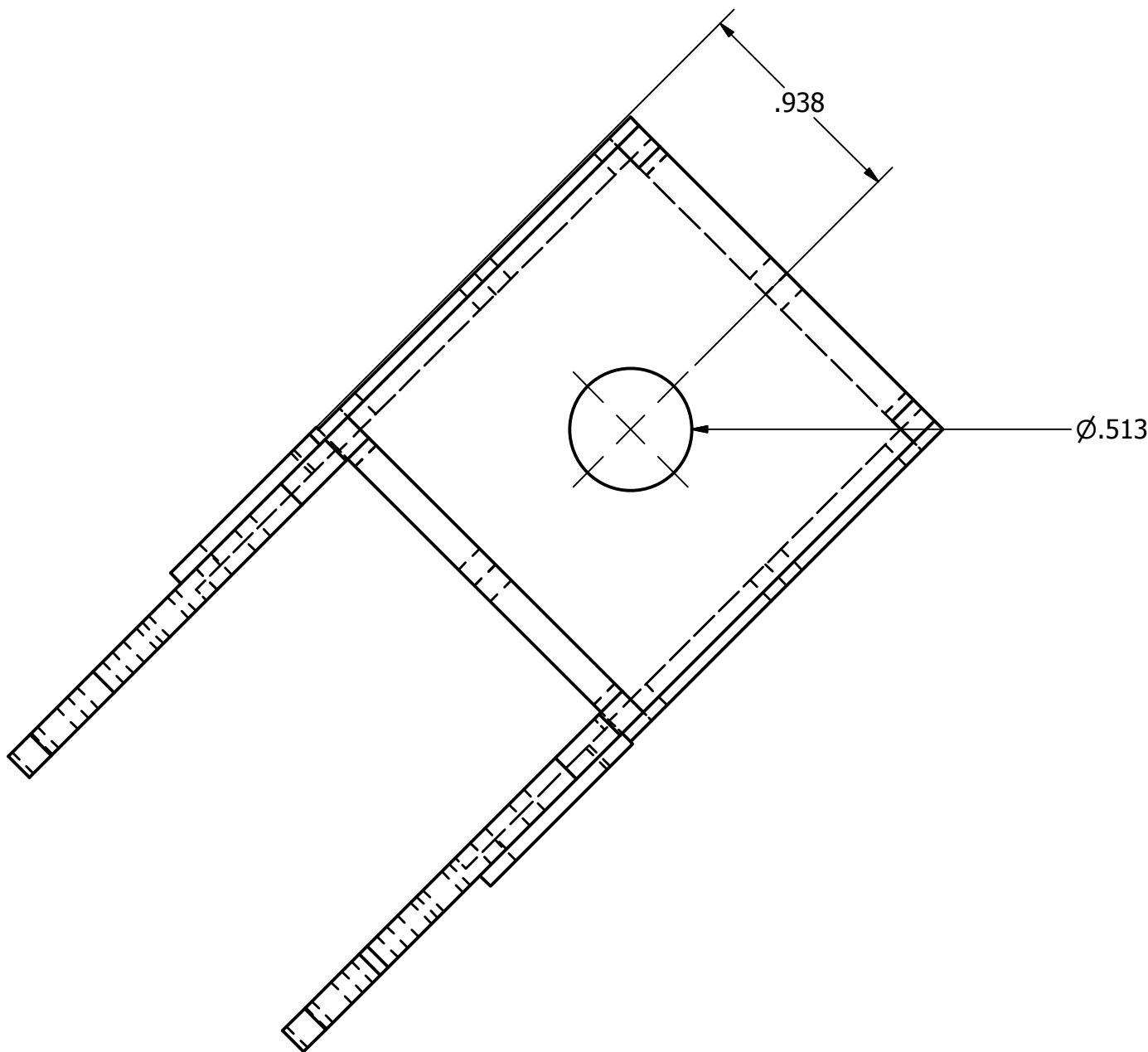
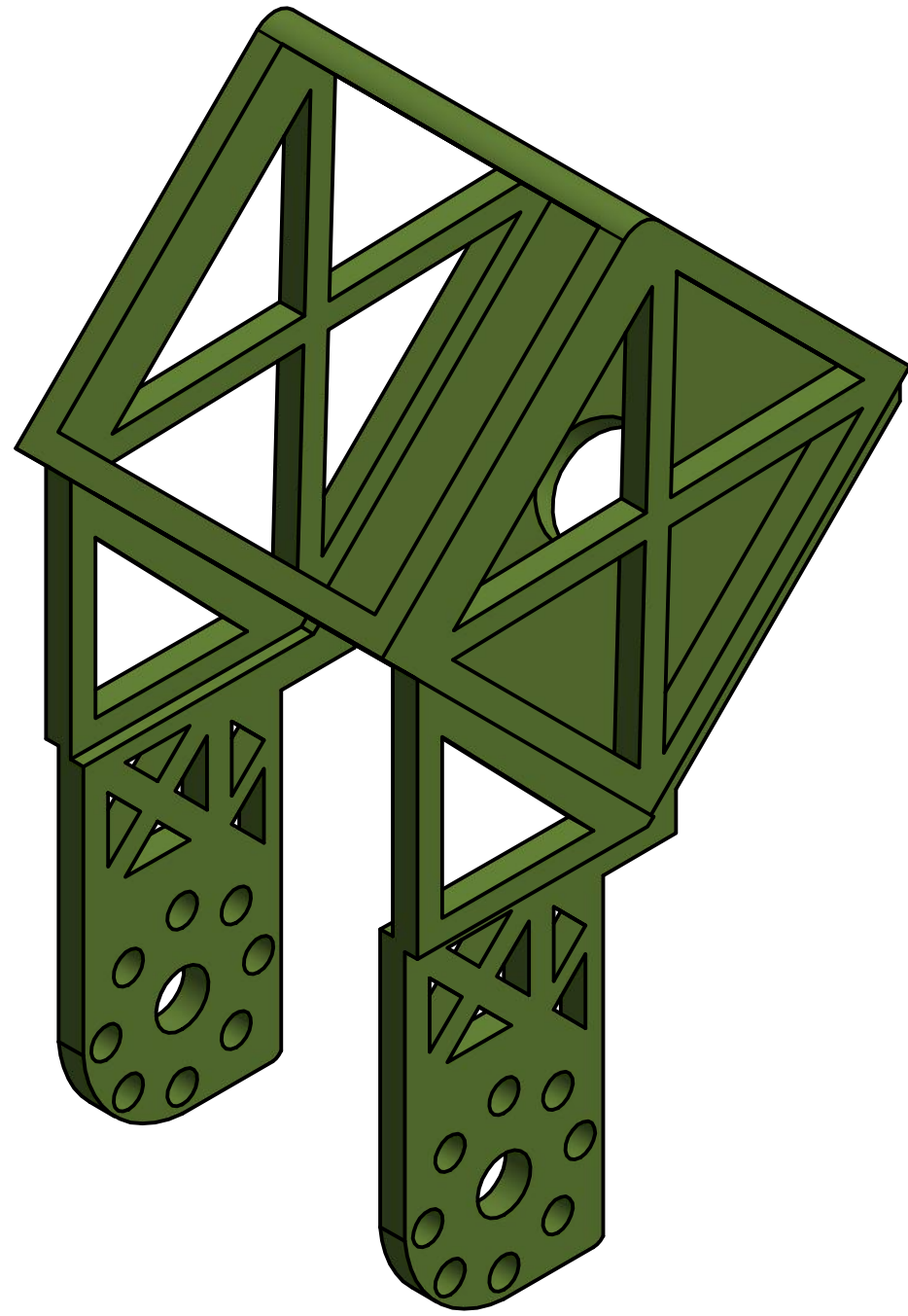
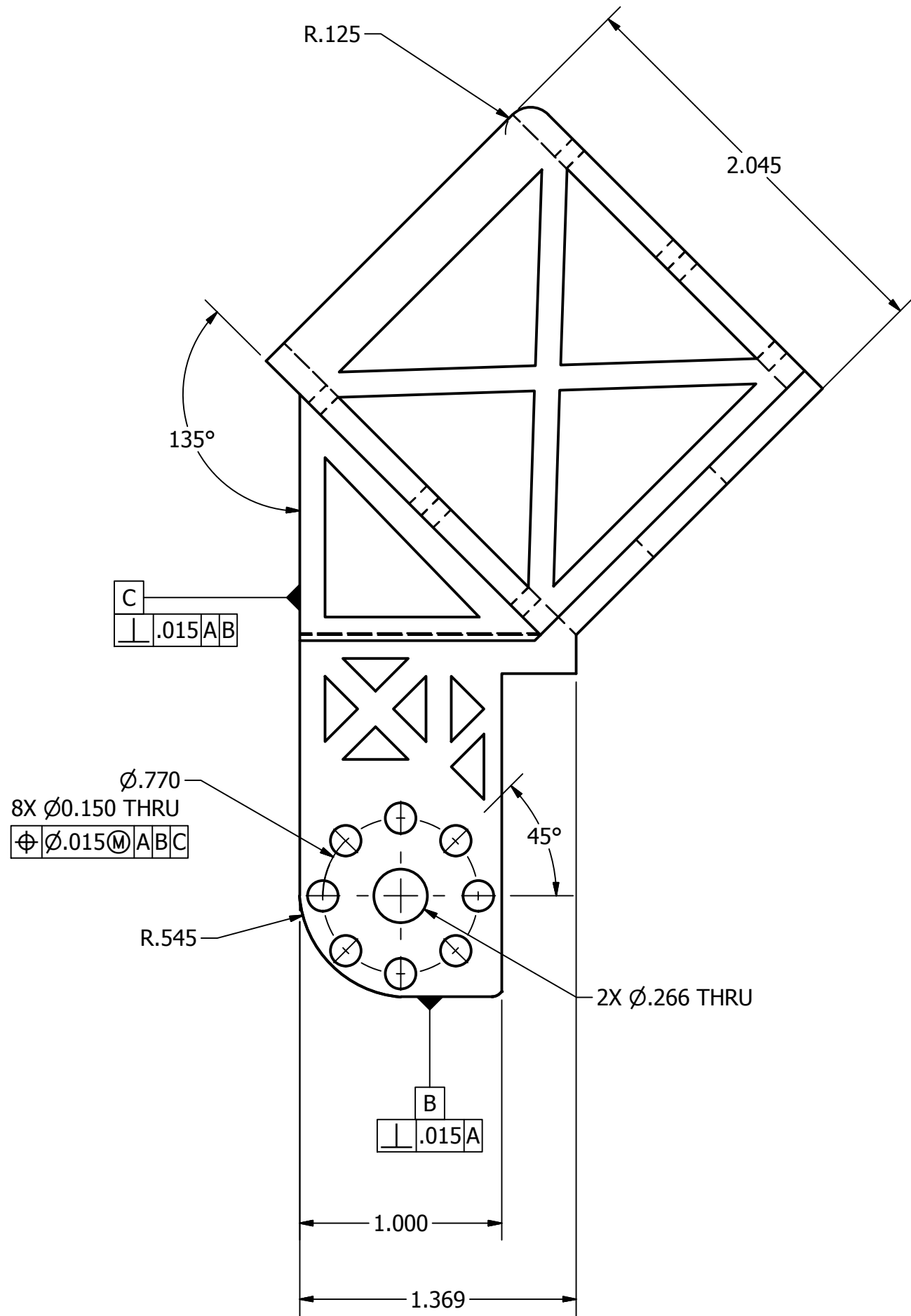
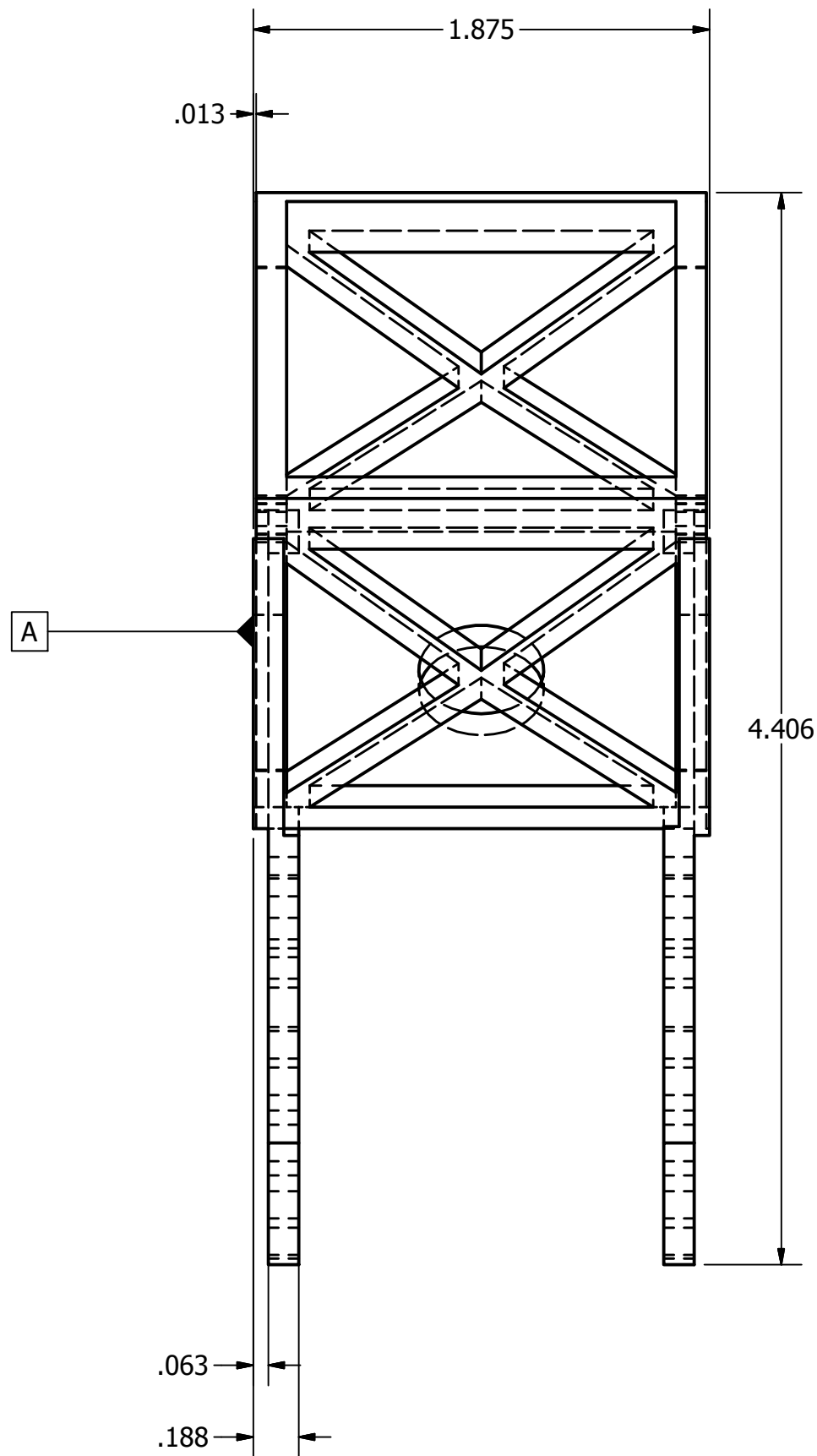


NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

5	8	91255A144	OTS, ALLOY STEEL BUTTON HEAD SOCKET CAP SCREW 6-32 THREAD, 1/4" LENGTH
4	1	AT1-A0-4H	OTS, PROXIMITY SENSOR
3	1	545364	OTS, SWIVEL HUB
2	1	545348	OTS, SET SCREW HUB
1	1	03-10-01	IPT, GAS ARM, SENSOR BRACKET
ITEM	QTY	PART NUMBER	DESCRIPTION

MATERIAL:	UNLESS OTHERWISE SPECIFIED		DRAWN:	4/24/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES
	TOLERANCES ON ALL SIZE DIMENSIONS		D. DOAN	4/24/2013	
FINISH:	UNDER .024 0	+ .000 - .006	500 THRU .750	+ .008 - .016	CHECKED: O. MAH
	.024 THRU .125	+ .004 - .001	.751 THRU 1.000	+ .010 - .001	DATE: D. DOAN
WEIGHT:	.126 THRU .250	+ .005 - .001	1.000 THRU 2.000	+ .012 - .001	INPS: M. DELORIO
	.251 THRU .500	+ .006 - .001	OVER 2.000	+ .015 - .005	APPROVED: L. LYE
.436 LBS.				4/24/2013	TITLE: ASSY, GAS ARM
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES	ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5	DELTA TECHNOLOGIES		SIZE: DWG NO: D 03-10-00 SCALE: 2:1 SUBSYSTEM GAS/HAS ARMS SHEET: 1 OF 1

REVISION HISTORY		
REV	DESCRIPTION	APPROVED

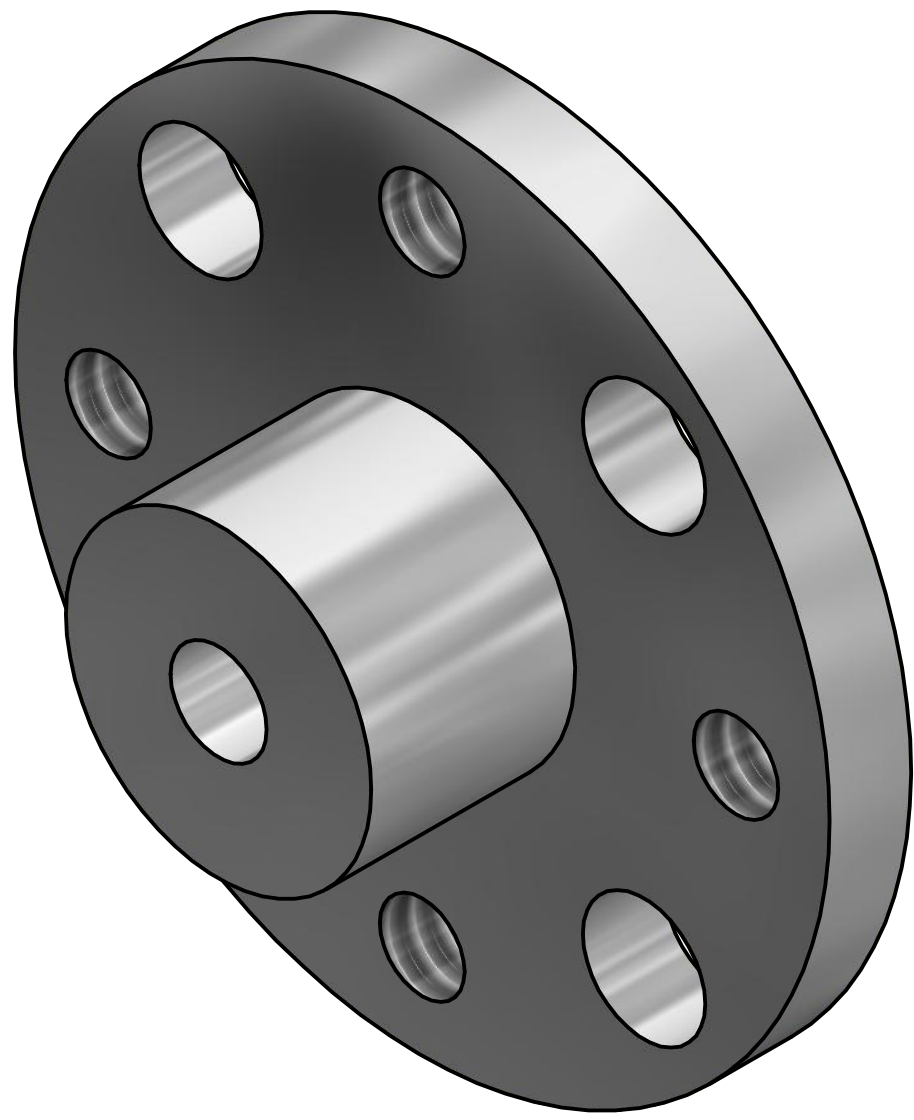
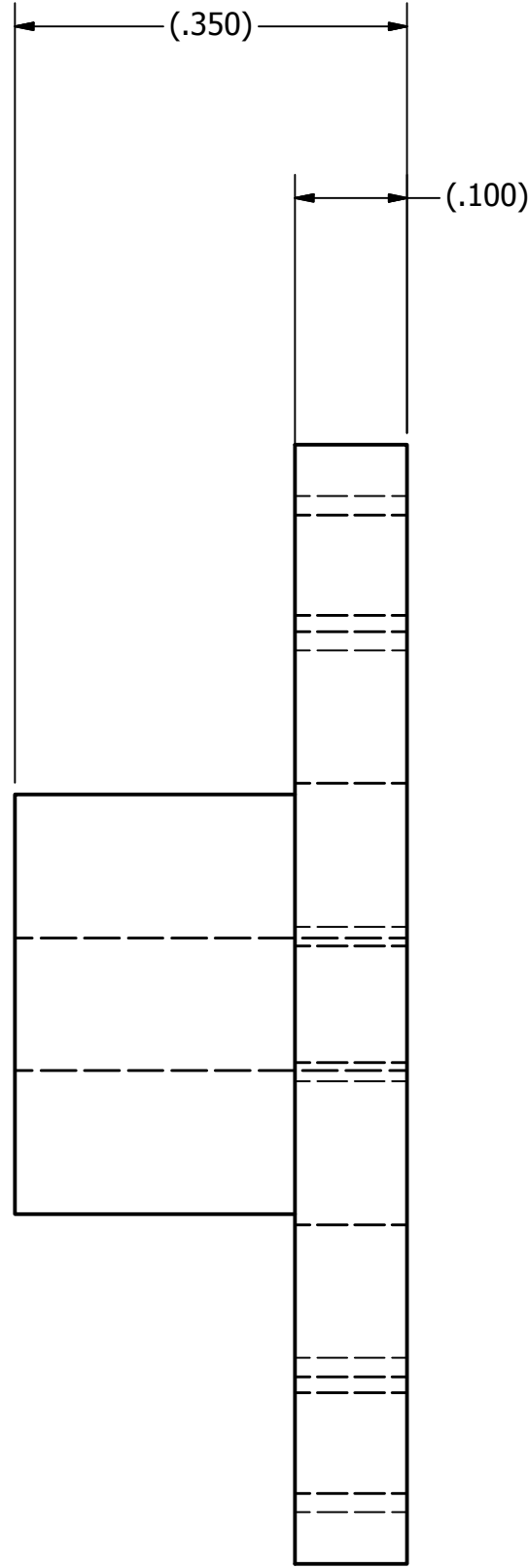
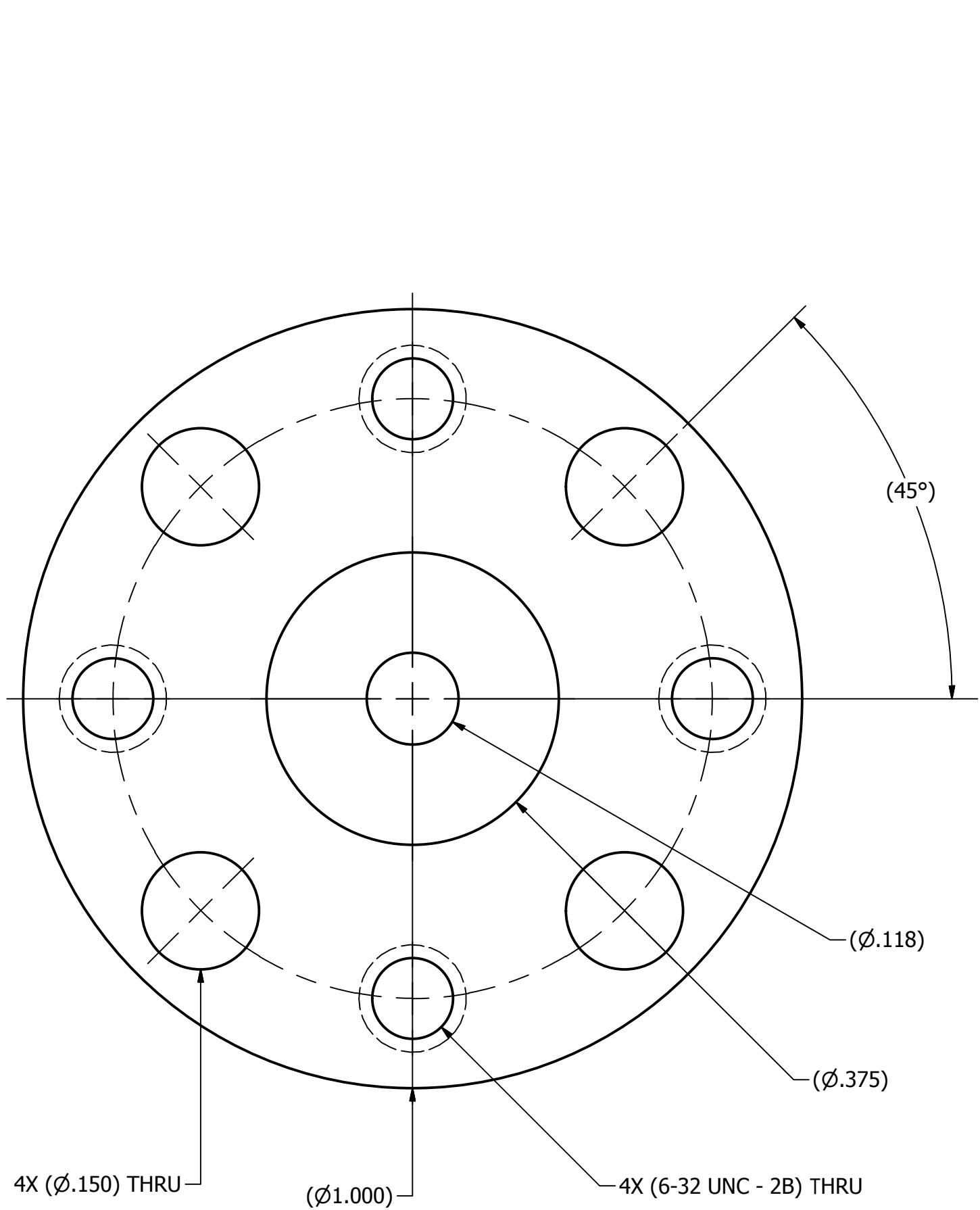


NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

1	1	03-10-01	SENSOR BRACKET		
ITEM	QTY	PART NUMBER	DESCRIPTION		SPECIFICATIONS
MATERIAL:		ABS PLASTIC	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN J. FIGUEROA CHECKED O. MAH DATE 4/11/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES TITLE: IPT, GAS ARM, SENSOR BRACKET
FINISH:			ON DECIMAL DIMENSIONS: XXX ±.010 XX ±.03 X ±.1	ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5	
WEIGHT:		0.058 LBS	1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES	DELTA TECHNOLOGIES	

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	545348	ServoCity 3850 East 12th Avenue Winfield, KS 67156 (620) 221-0123 Orders@ServoCity.com

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



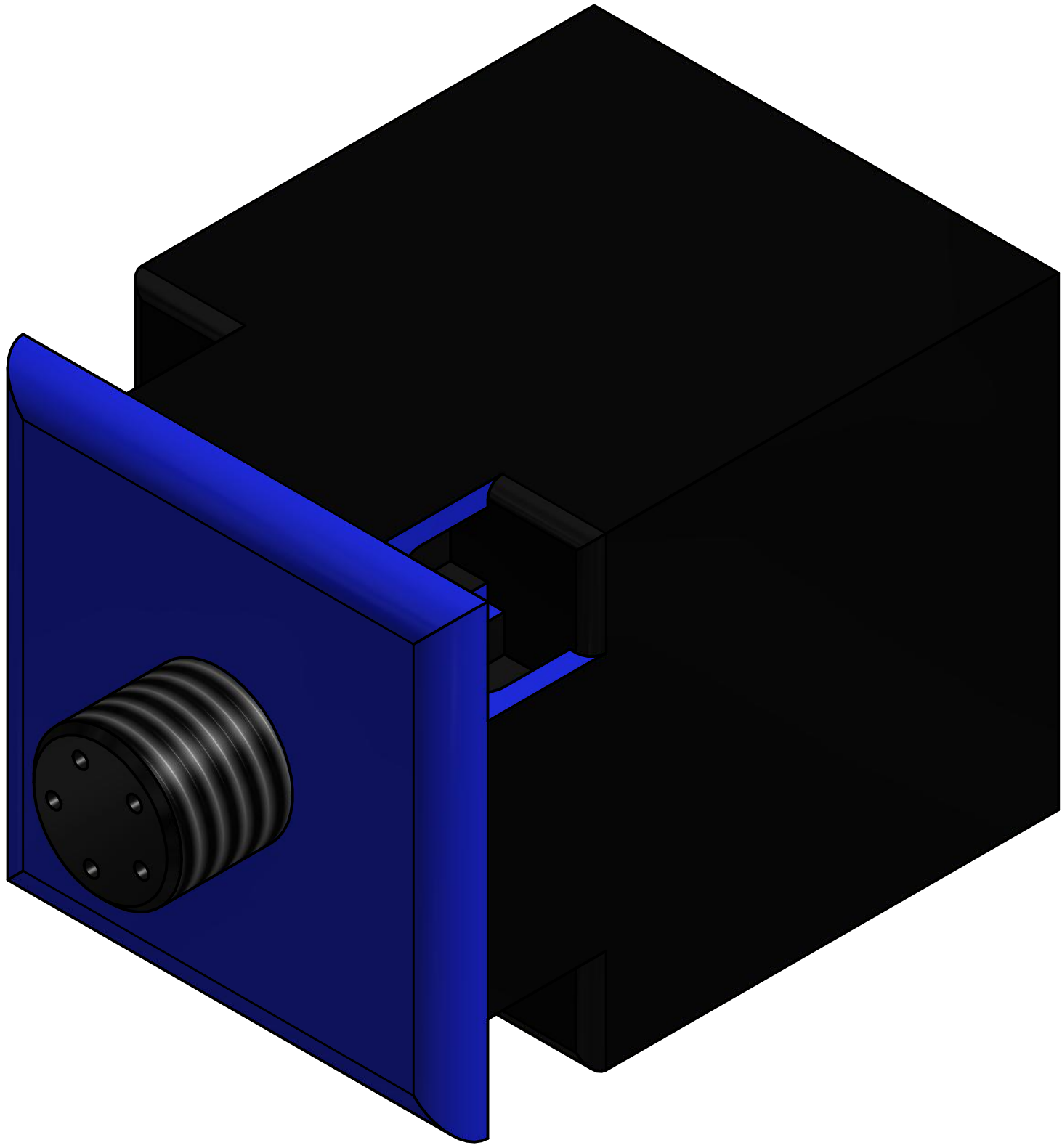
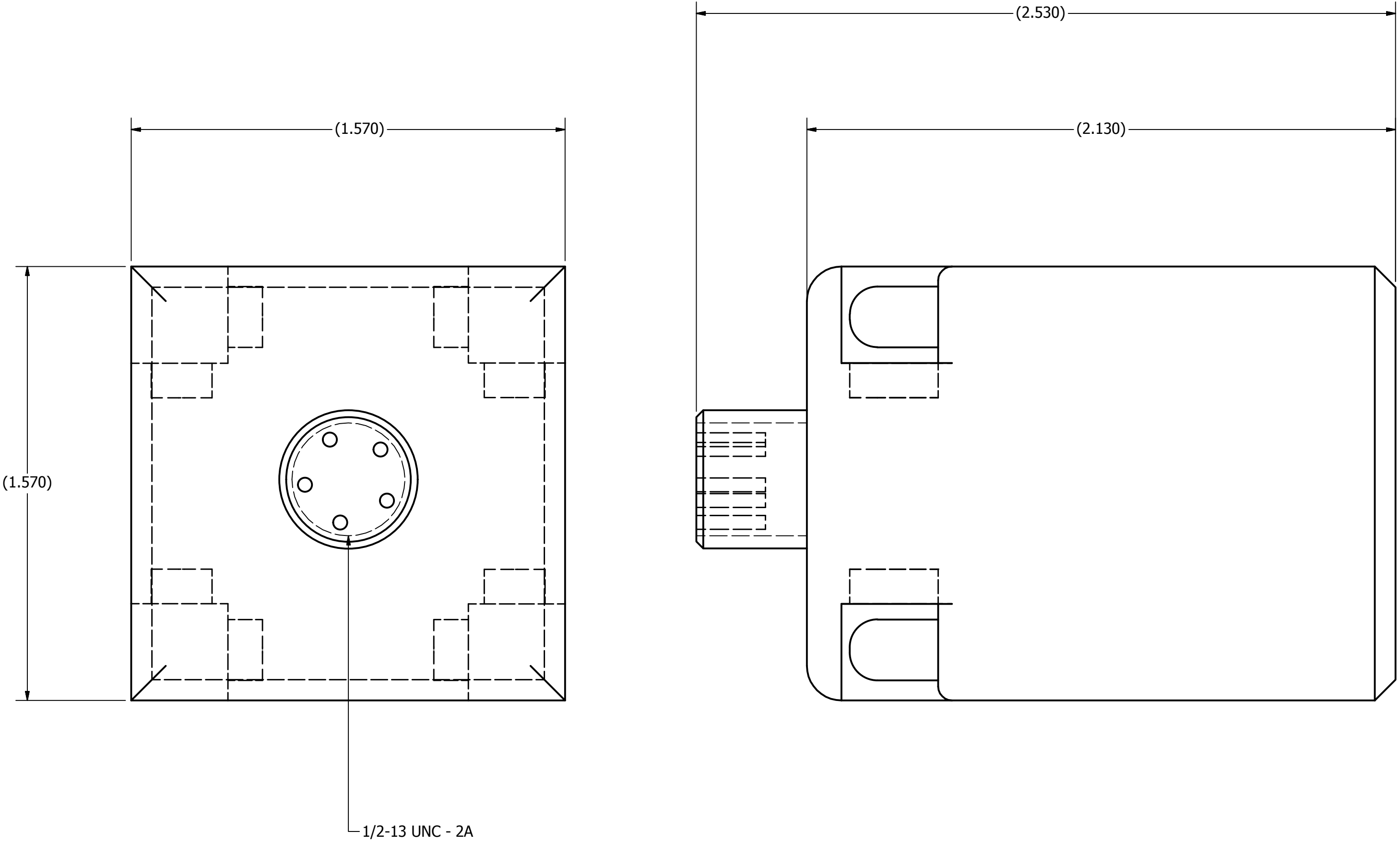
NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

SOURCE CONTROL DRAWING

2	1	545348	SET SCREW HUB			
ITEM	QTY	PART NUMBER	DESCRIPTION		SPECIFICATIONS	
MATERIAL:		ALUMINUM 6061	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		DRAWN: D. DOAN 4/11/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES
FINISH:			CHECKED: O. MAH 4/24/2013			
WEIGHT:		0.009 LBS	D. DOAN 4/24/2013			
			M. DELORIO 4/24/2013			
			APPROVED: L. LYE 4/24/2013		OTS, SET SCREW HUB	
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES			ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5°	SIZE: DWS NO: D 03-10-02 SCALE 6:1 SUBSYSTEM GAS/HAS ARMS	
					REV: — SHEET: 1 OF 1	

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	AT1-A0-4H	Automation Direct 3505 Hutchinson Road Cumming, GA 30040 (800) 633-0405

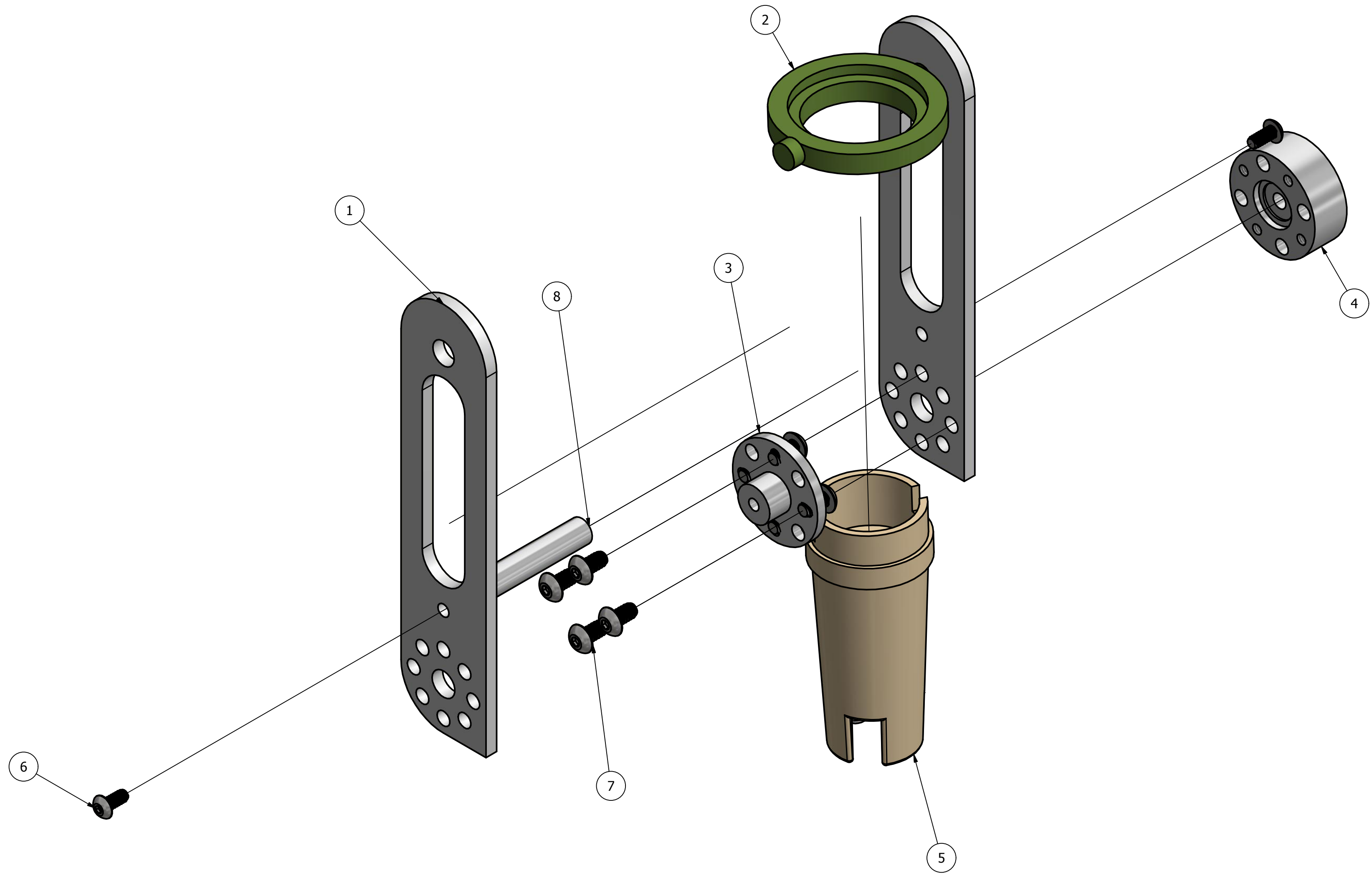
REVISION HISTORY		
REV	DESCRIPTION	APPROVED



NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

SOURCE CONTROL DRAWING

1	1	AT1-A0-4H	PROXIMITY SENSOR	
ITEM	QTY	PART NUMBER	DESCRIPTION	SPECIFICATIONS
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		DRAWN: J. FIGUEROA CHECKED: O. MAH DATE: 4/11/2013
FINISH:		UNDER .014 0 +.000 -.006	500 THRU .750 +.008 -.016	4/24/2013
WEIGHT:		.014 THRU .125 +.004 -.001	.751 THRU 1.000 +.010 -.001	4/24/2013
		.126 THRU .250 +.005 -.001	1.000 THRU 2.000 +.012 -.001	4/24/2013
		.251 THRU .500 +.006 -.001	OVER 2.000 +.015 -.005	4/24/2013
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5°	DELTA TECHNOLOGIES TITLE: OTS, LF40-AP-2H, PROXIMITY SENSOR SCALE: 3:1 SUBSYSTEM GAS/HAS ARMS SHEET: 1 OF 1



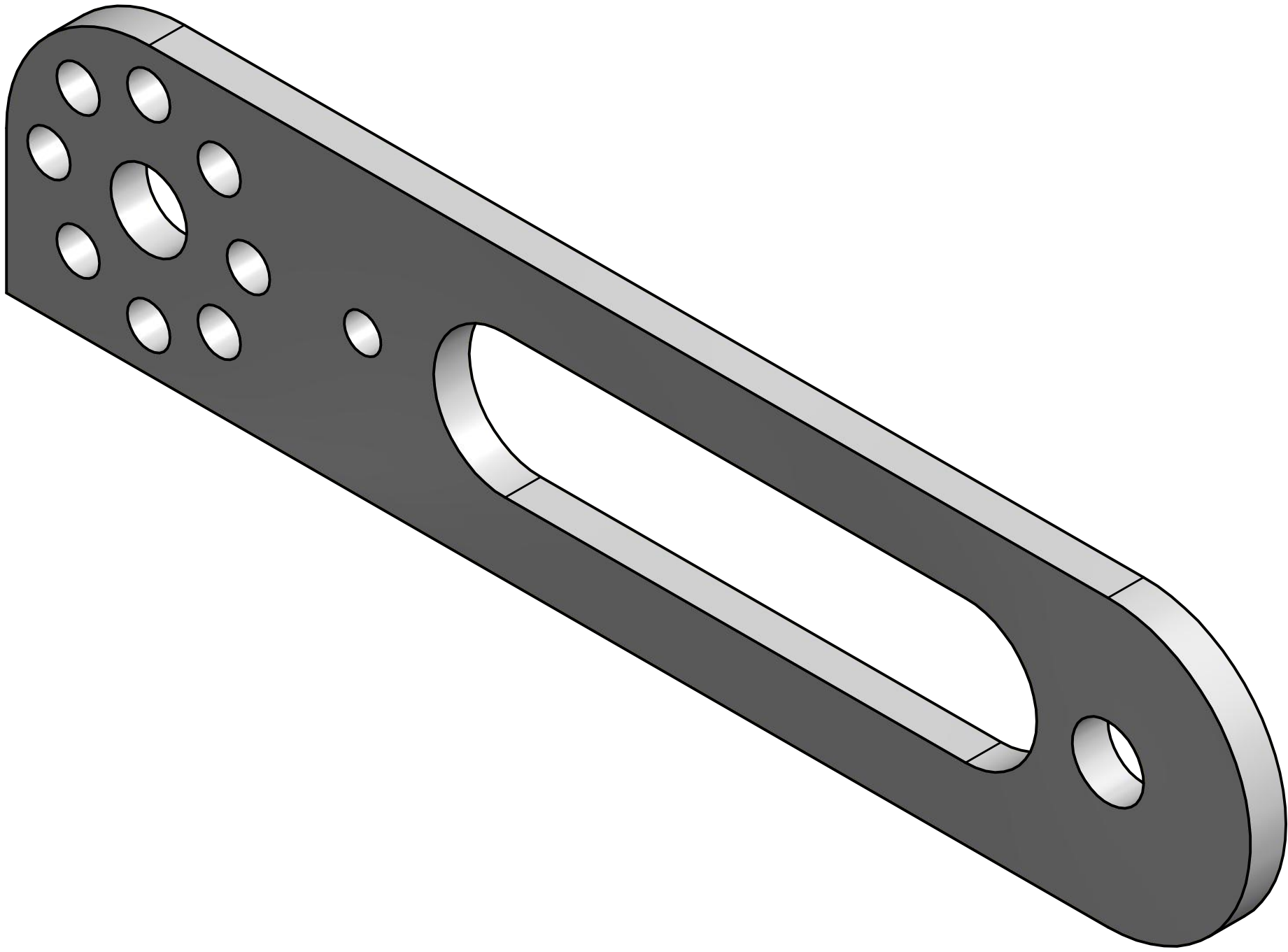
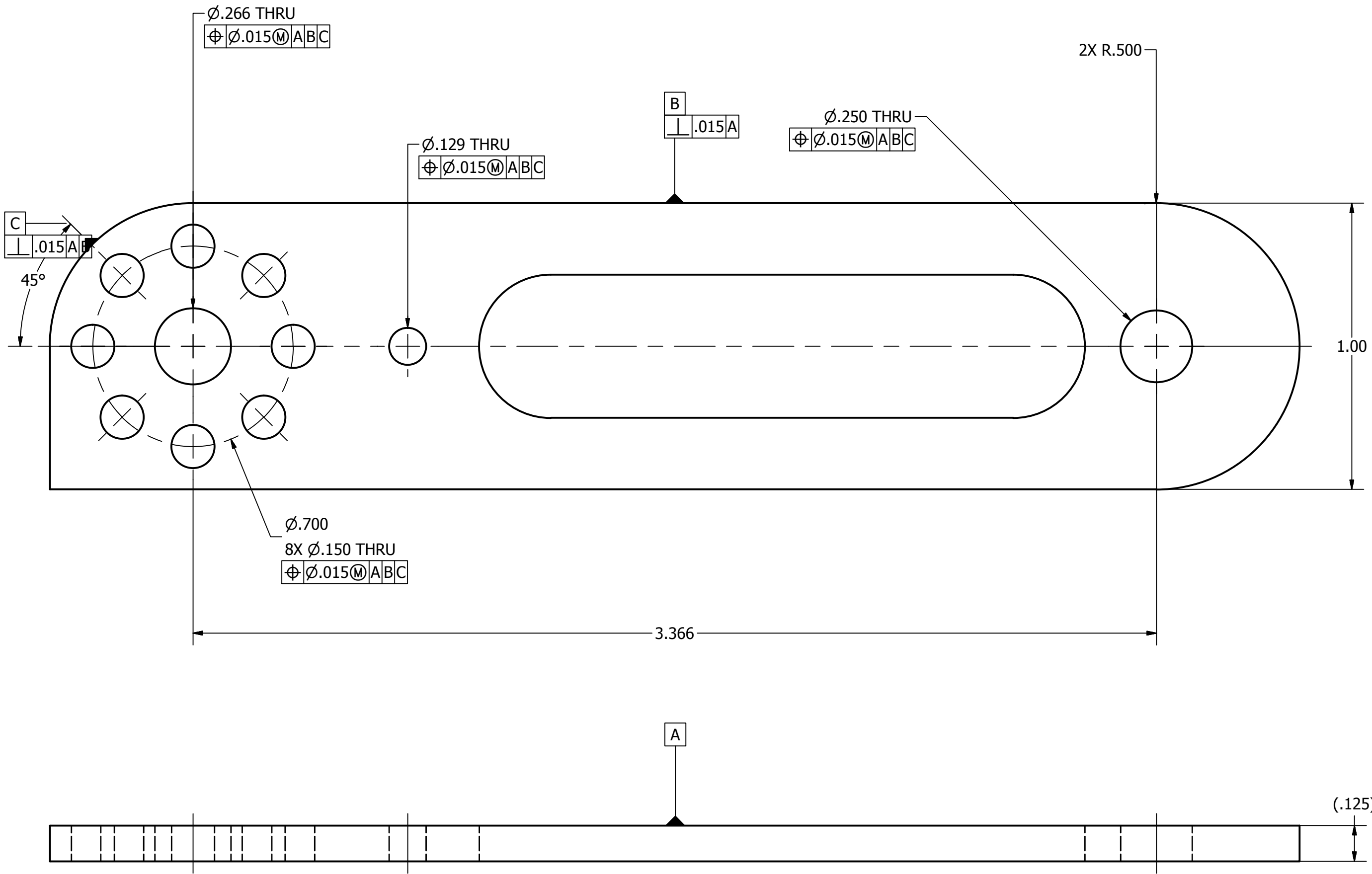
REVISION HISTORY		
REV	DESCRIPTION	APPROVED

8	1	93330A462	OTS. ALUMINUM FEMALE THREADED ROUND STANDOFF 1/4" OD, 1-1/2" LENGTH, 4-40 SCREW SIZE
7	8	91255A144	OTS, ALLOY STEEL BUTTON HEAD SOCKET CAP SCREW 6-32 THREAD, 1/4" LENGTH
6	2	91255A106	OTS, ALLOY STEEL BUTTON HEAD SOCKET CAP SCREW 4-40 THREAD, 1/4" LENGTH
5	1	891144000007	OTS, PPM SENSOR
4	1	545364	OTS, SWIVEL HUB
3	1	545348	OTS, SET SCREW HUB
2	1	03-20-02	IPT, HAS ARM, SENSOR MOUNT
1	2	03-20-01	IPT, HAS ARM, PLATE
ITEM	QTY	PART NUMBER	DESCRIPTION

PARTS LIST

MATERIAL:		UNLESS OTHERWISE SPECIFIED			DRAWN:	4/24/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES	
		TOLERANCES ON ALL HOLE DIAMETERS			D. DOAN			
FINISH:		UNDER .014 0	+ .000 - .006	500 THRU .750	+ .008 - .016	CHECKED: O. MAH		4/24/2013
		.014 THRU .125	+ .004 - .001	.751 THRU 1.000	+ .010 - .001	CA D. DOAN		4/24/2013
		.126 THRU .250	+ .005 - .001	1.000 THRU 2.000	+ .012 - .001	INPS: M. DELORIO		4/24/2013
WEIGHT:	.154 LBS.	.251 THRU .500	+ .006 - .001	OVER 2.000	+ .015 - .005	APPROVED: L. LYE		4/24/2013
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5°	 DELTA TECHNOLOGIES	SIZE: DWG NO: D 03-20-00		REV: —	
		SCALE: 3:2			SUBSYSTEM: GAS/HAS ARMS	SHEET: 1 OF 1		
		TITLE: ASSY, HAS ARM						

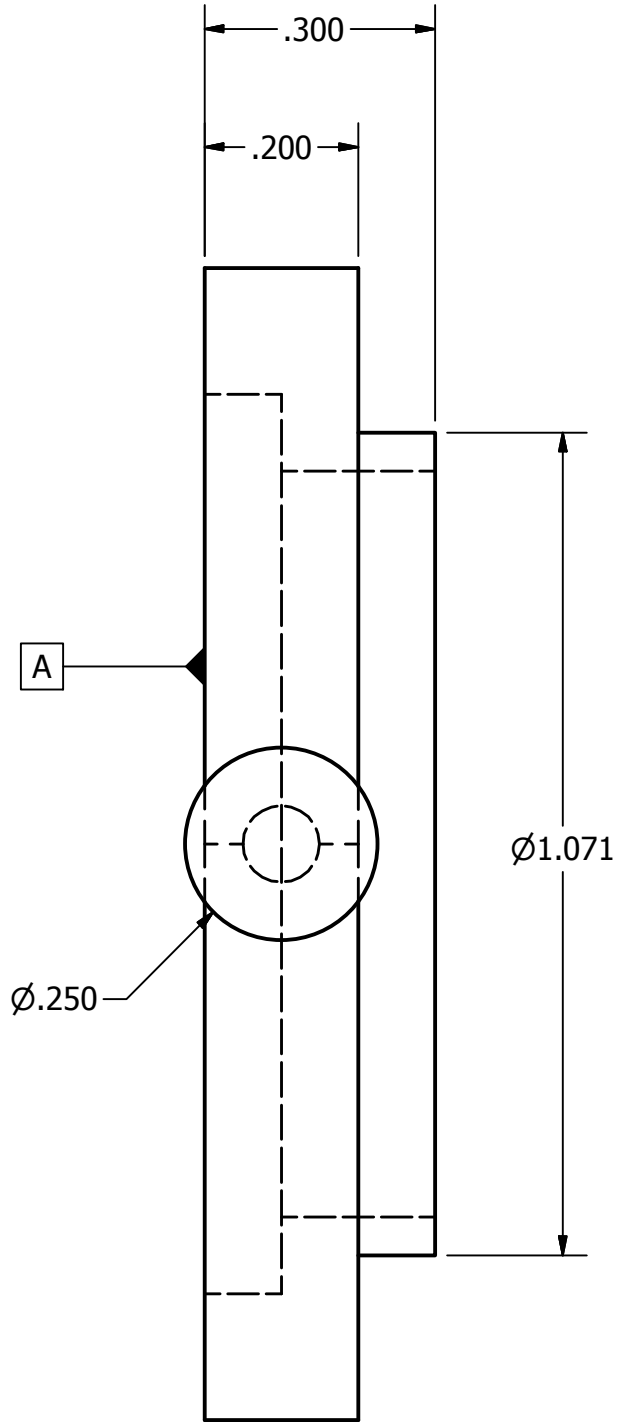
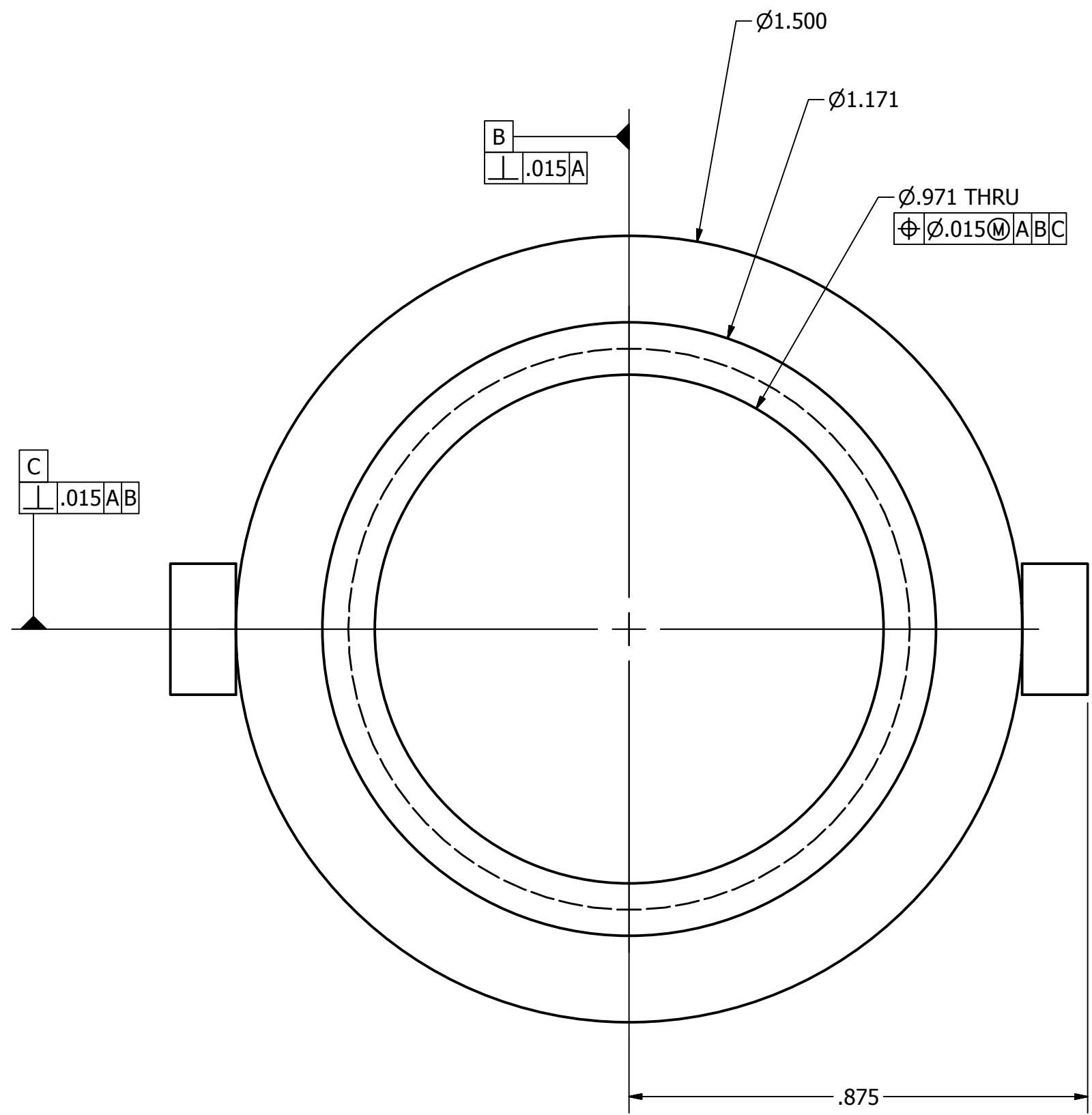
NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995



NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

1		1		03-20-01		PLATE				SPECIFICATIONS			
ITEM	QTY	PART NUMBER				DESCRIPTION							
MATERIAL:		ALUMINUM COMPOSITE				UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS				DRAWN: J. FIGUEROA CHECKED: O. MAH DATE: 4/11/2013			
FINISH:						UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS				DATE: 4/24/2013			
WEIGHT:		0.021 LBS				UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS				DATE: 4/24/2013			
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES.						ON DECIMAL DIMENSIONS: XXX ±.010 XX ±.03 X ±.1				ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5°			
										DELTA TECHNOLOGIES			
										TITLE: IPT, HAS ARM, PLATE			
										SIZE: D DWG NO: 03-20-01 SCALE: 3:1			
										SUBSYSTEM: GAS/HAS ARMS SHEET: 1 OF 1			

REVISION HISTORY		
REV	DESCRIPTION	APPROVED

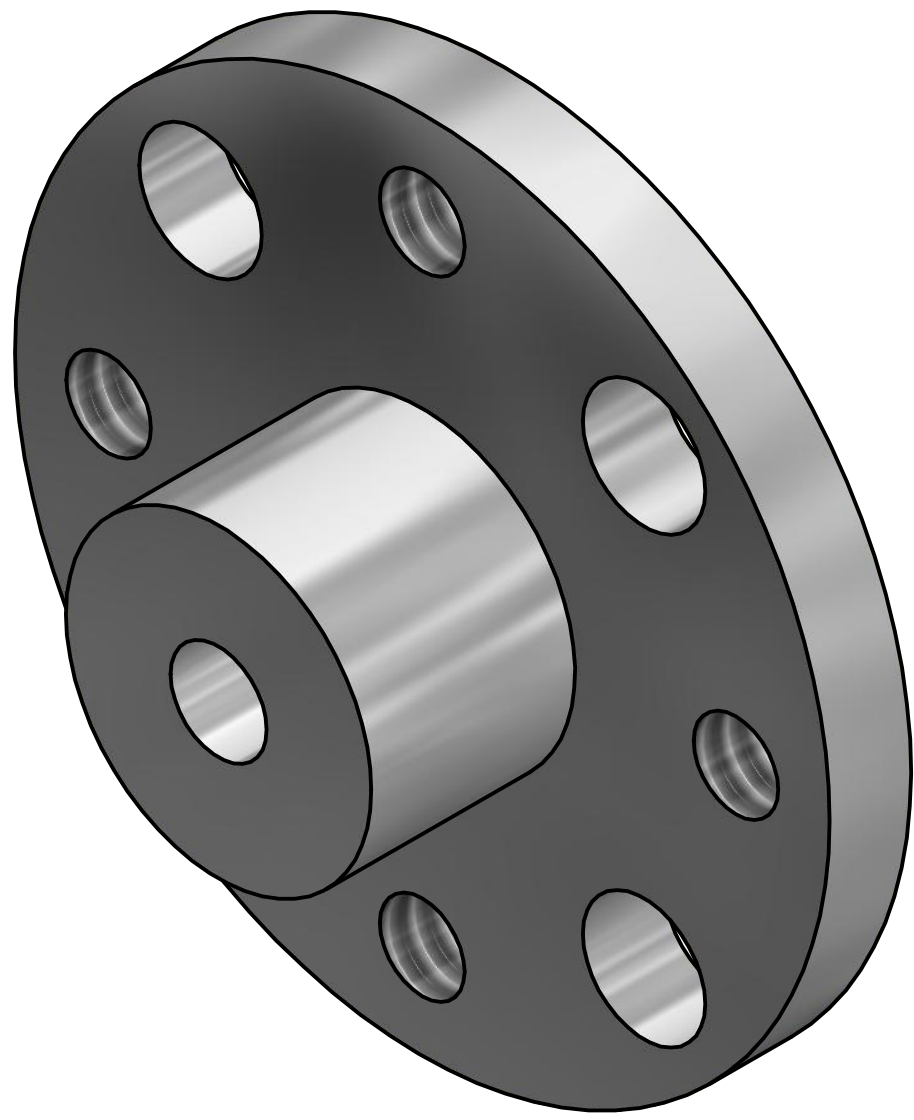
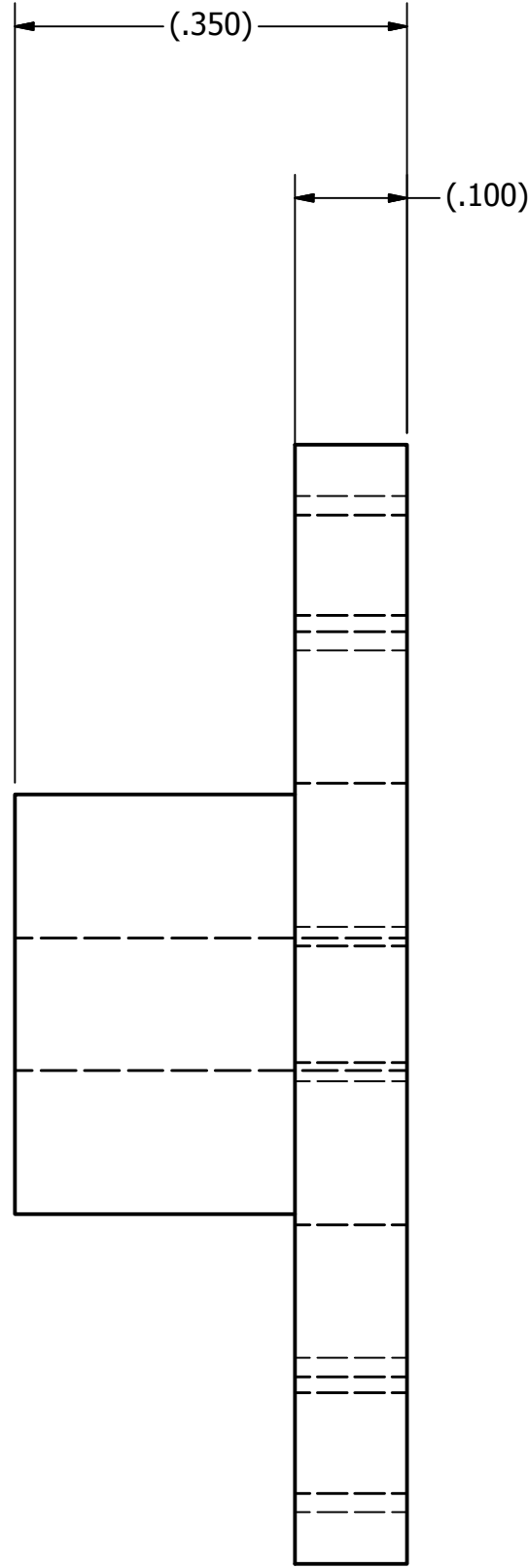
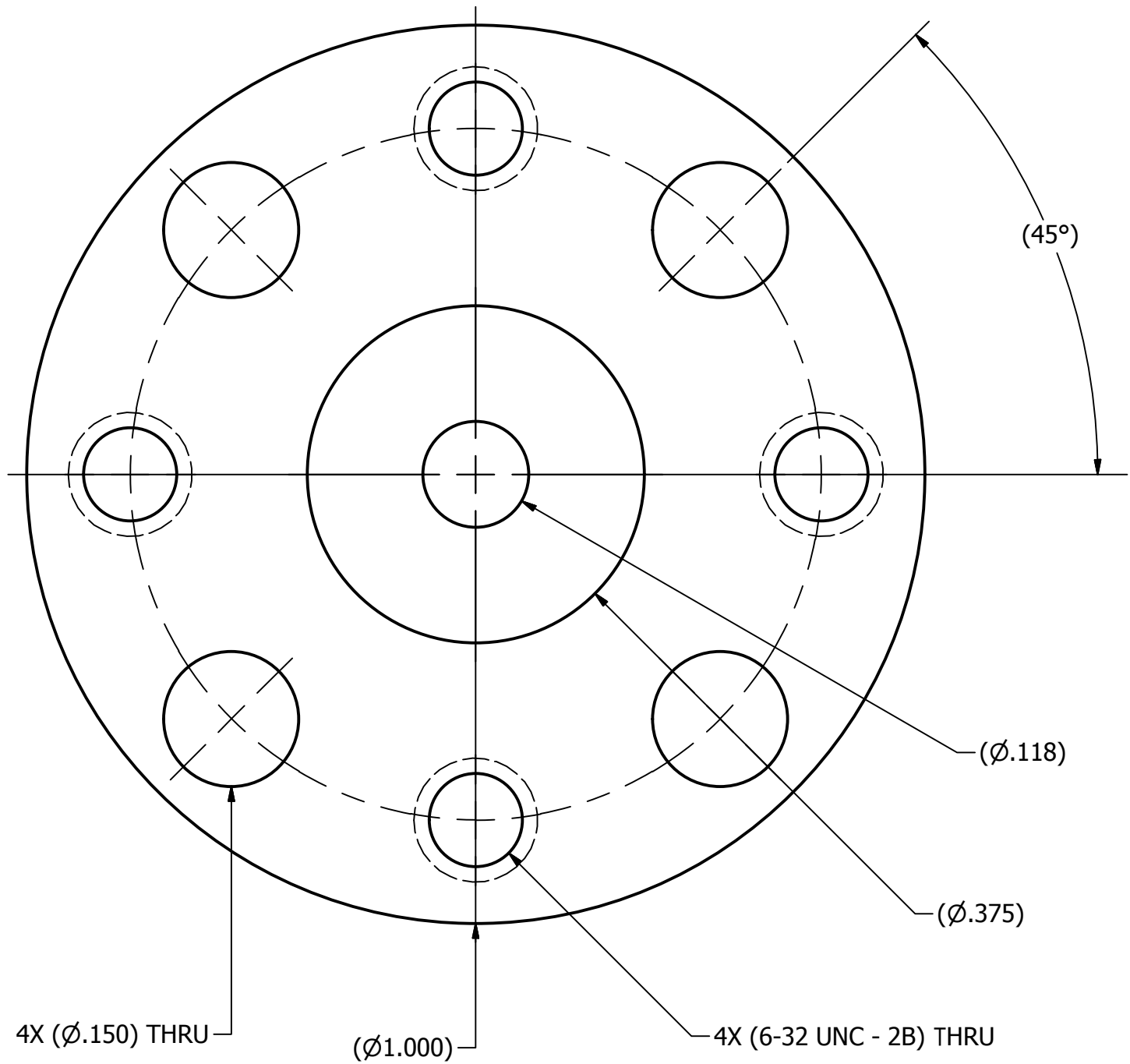


NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

2	1	03-20-02	SENSOR MOUNT		
ITEM	QTY	PART NUMBER	DESCRIPTION		SPECIFICATIONS
MATERIAL:		ABS PLASTIC		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN: D. DOAN 4/11/2013
FINISH:				UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	CHECKED: O. MAH 4/24/2013
WEIGHT:		0.008 LBS		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	APPROVED: L. LYE 4/24/2013
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINING ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5	DELTA TECHNOLOGIES	
SCALE: 4:1		SUBSYSTEM: GAS/HAS/ARMS		SHEET: 1 OF 1	

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	545348	ServoCity 3850 East 12th Avenue Winfield, KS 67156 (620) 224-0123 Orders@ServoCity.com

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



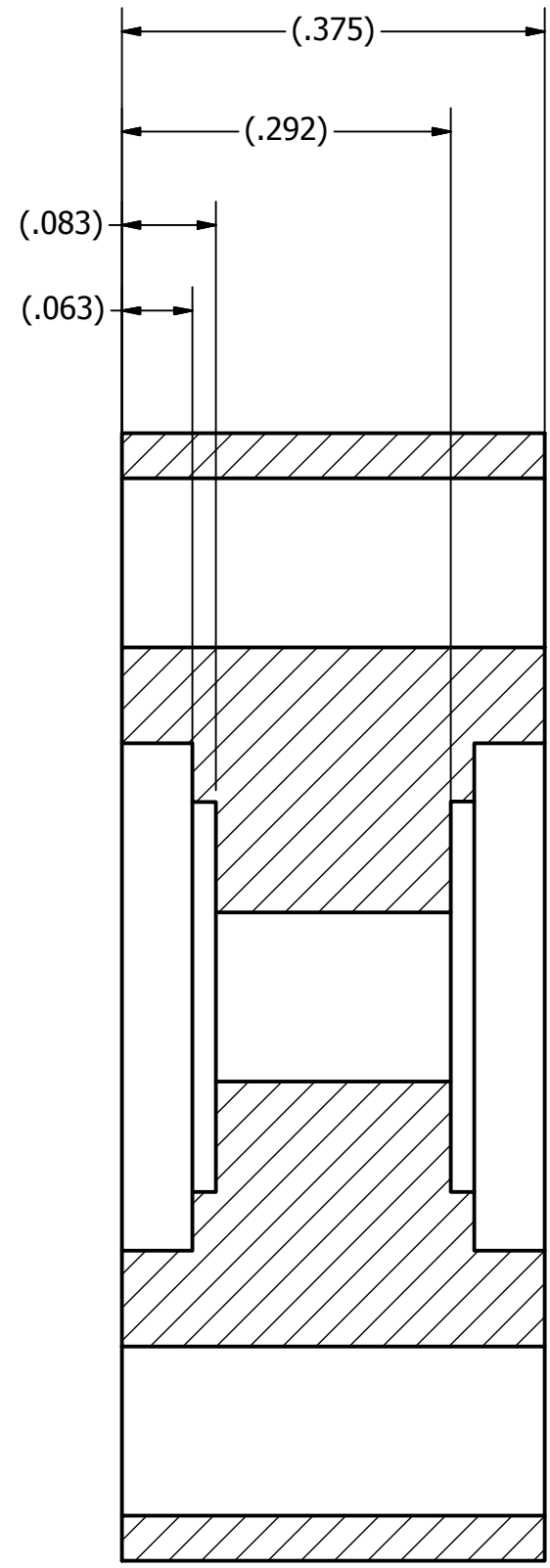
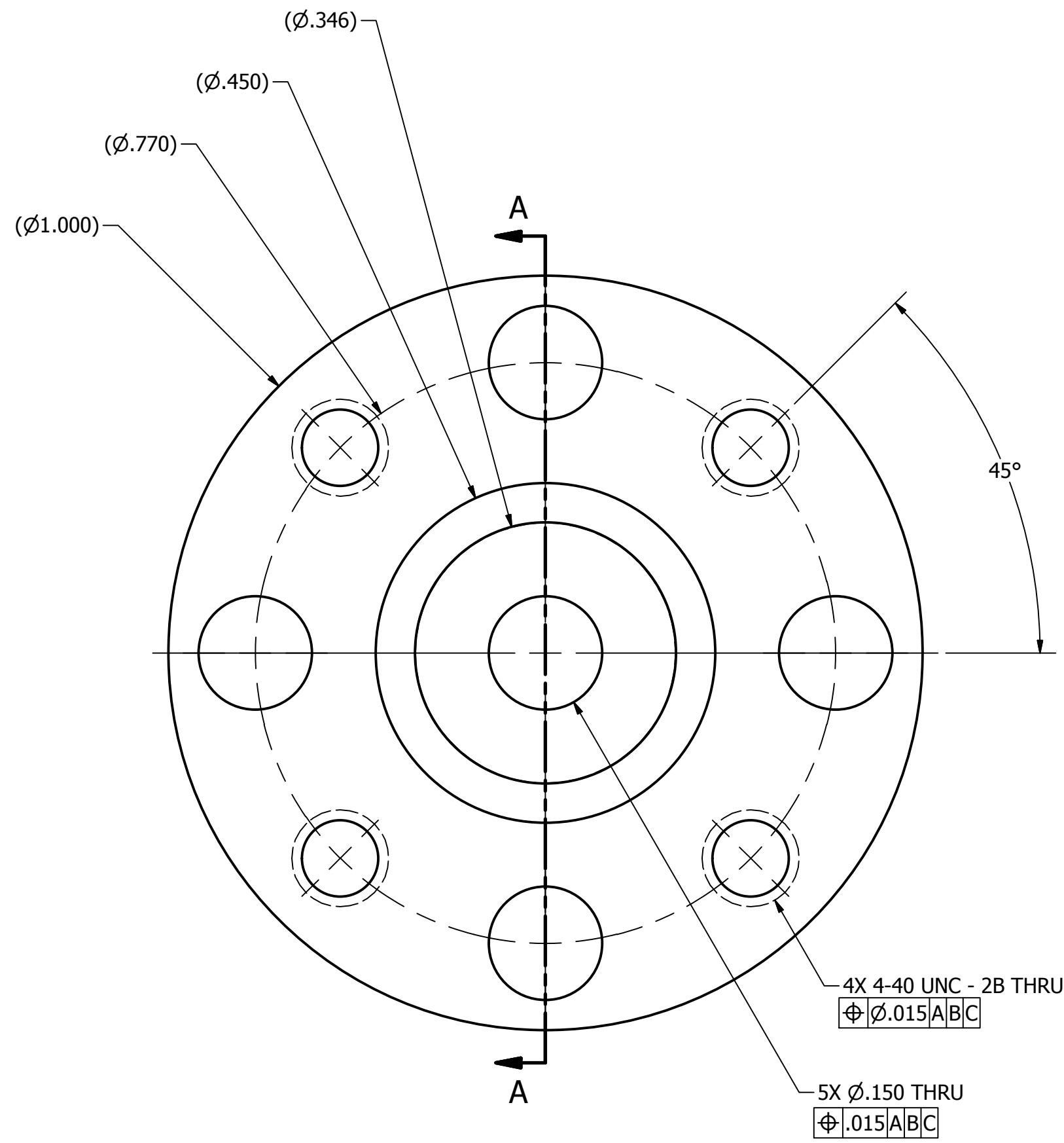
NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

SOURCE CONTROL DRAWING

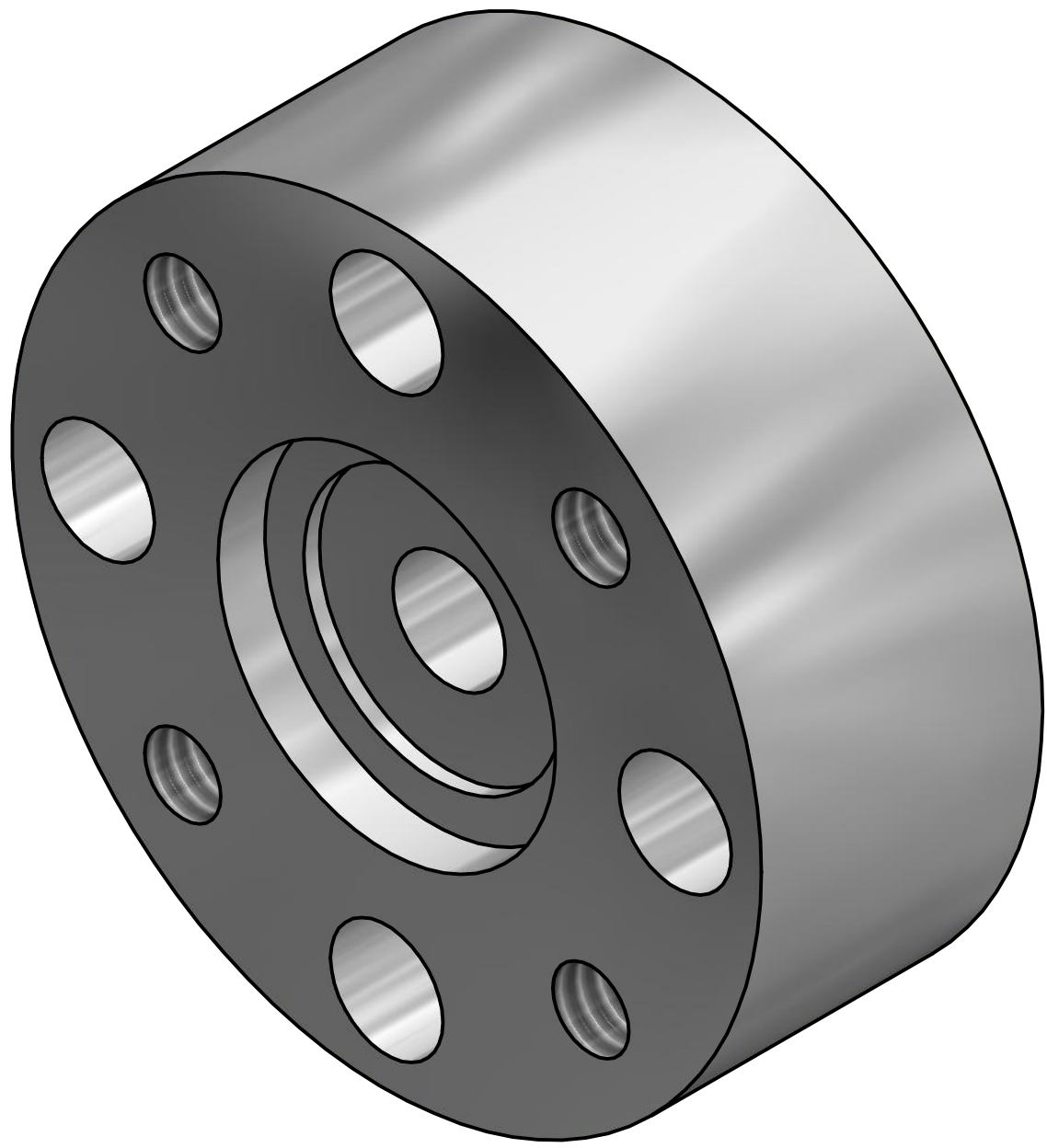
3	1	545348	SET SCREW HUB		
ITEM	QTY	PART NUMBER	DESCRIPTION		SPECIFICATIONS
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		DRAWN: D. DOAN	4/11/2013
		UNDER .024 0	+ .000 - .006	CHECKED: O. MAH	4/24/2013
FINISH:		.024 THRU .125	+ .004 - .001	DATE: D. DOAN	4/24/2013
		.126 THRU .250	+ .005 - .001	INSP: M. DELORIO	4/24/2013
WEIGHT:		.251 THRU .500	+ .005 - .001	APPROVED: L. LYE	4/24/2013
		0.009 LBS	OVER 2.000		
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5°	DELTA TECHNOLOGIES	
		SIZE: DWG NO: D 03-20-03		REV: ---	
SCALE: 6:1		SUBSYSTEM: GAS/HAS ARMS		SHEET: 1 OF 1	

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	545364	ServoCity 3850 East 12th Avenue Winfield, KS 67156 (620) 224-0123 Orders@ServoCity.com

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



SECTION A-A
SCALE 6:1



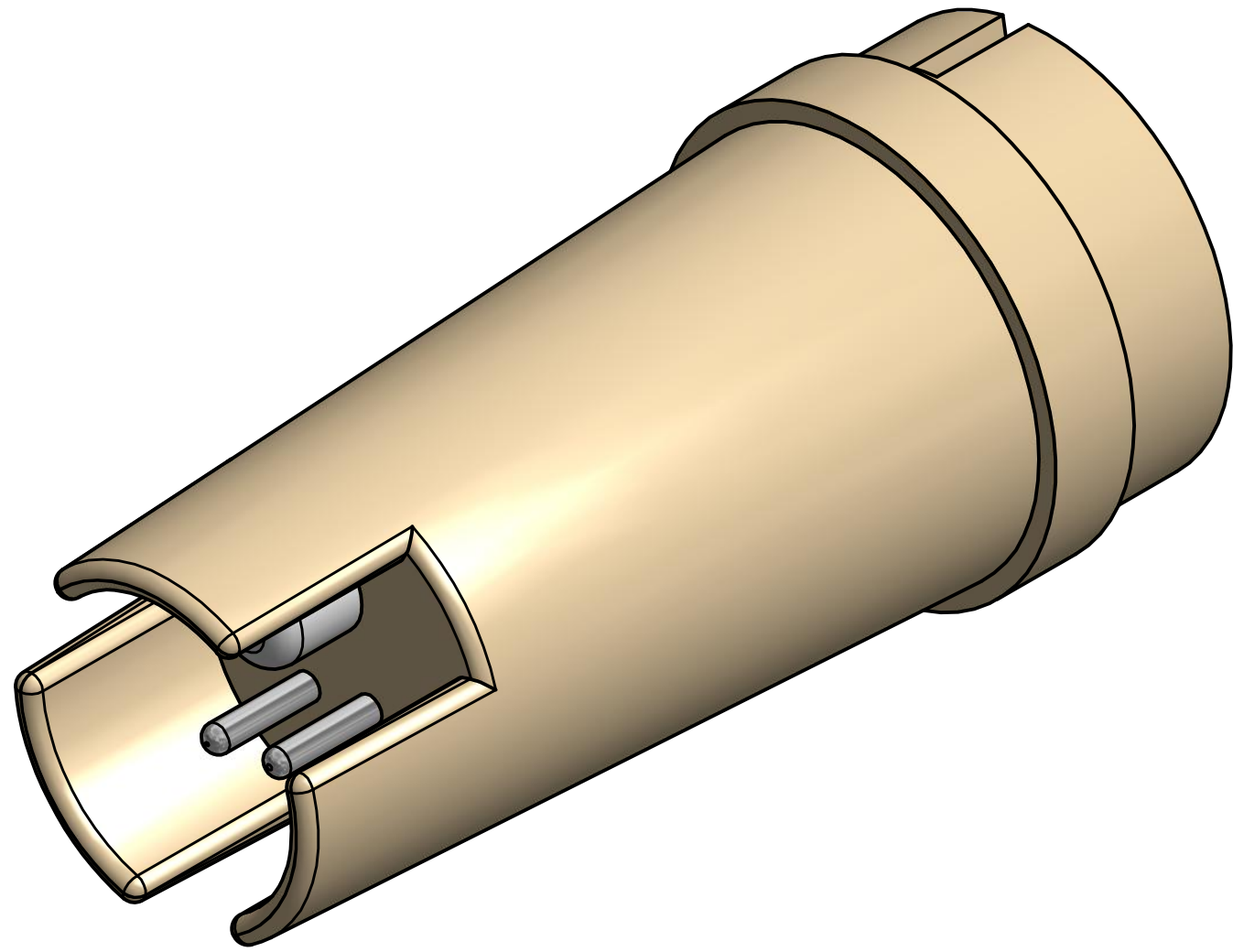
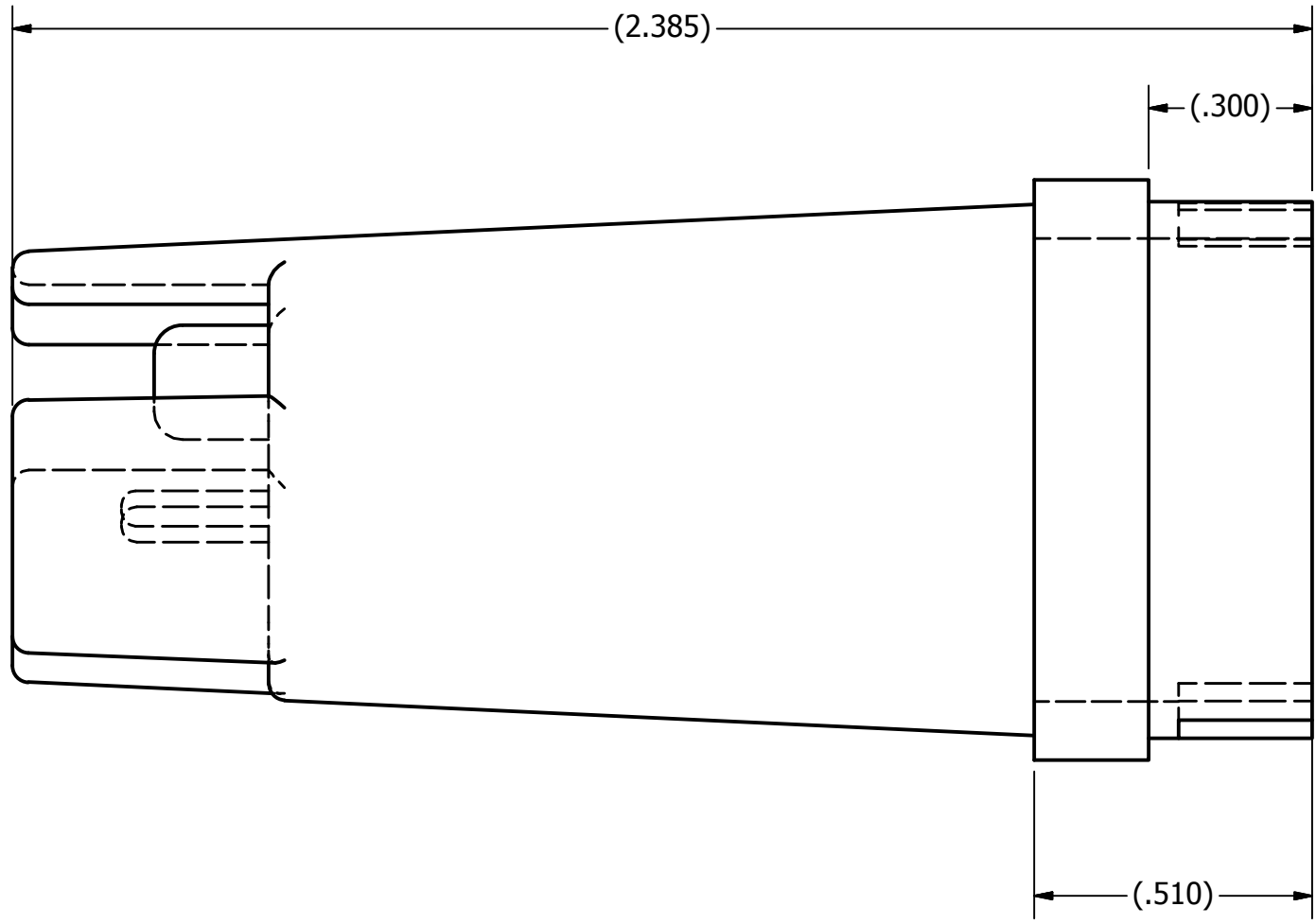
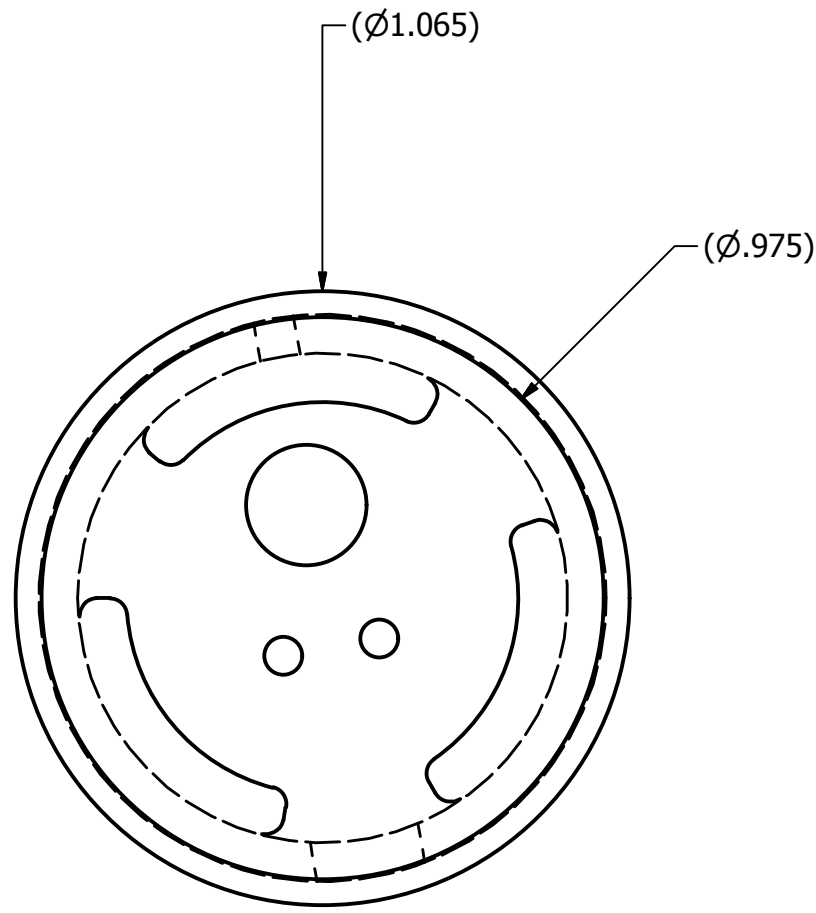
NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

SOURCE CONTROL DRAWING

4	1	545364	PART NUMBER		SWIVEL HUB		DESCRIPTION		SPECIFICATIONS	
ITEM	QTY									
MATERIAL:			UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS			DRAWN: D. DOAN		4/11/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES	
						CHECKED: O. MAH		4/24/2013		
						D. DOAN		4/24/2013		
FINISH:						INPS: M. DELORIO		4/24/2013	TITLE: OTS, SWIVEL HUB	
WEIGHT:						APPROVED: L. LYE		4/24/2013		
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES			ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1		ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5°		DELTA TECHNOLOGIES		SIZE: DWG NO: D 03-20-04	
									SCALE: 6:1 SUBSYSTEM GAS/HAS ARM SHEET: 1 OF 1	

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	HMDCOM100	Hydrofarm Inc. 2249 S McDowell Blvd Petaluma, CA 94954 (707) 765-9990

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



SOURCE CONTROL DRAWING

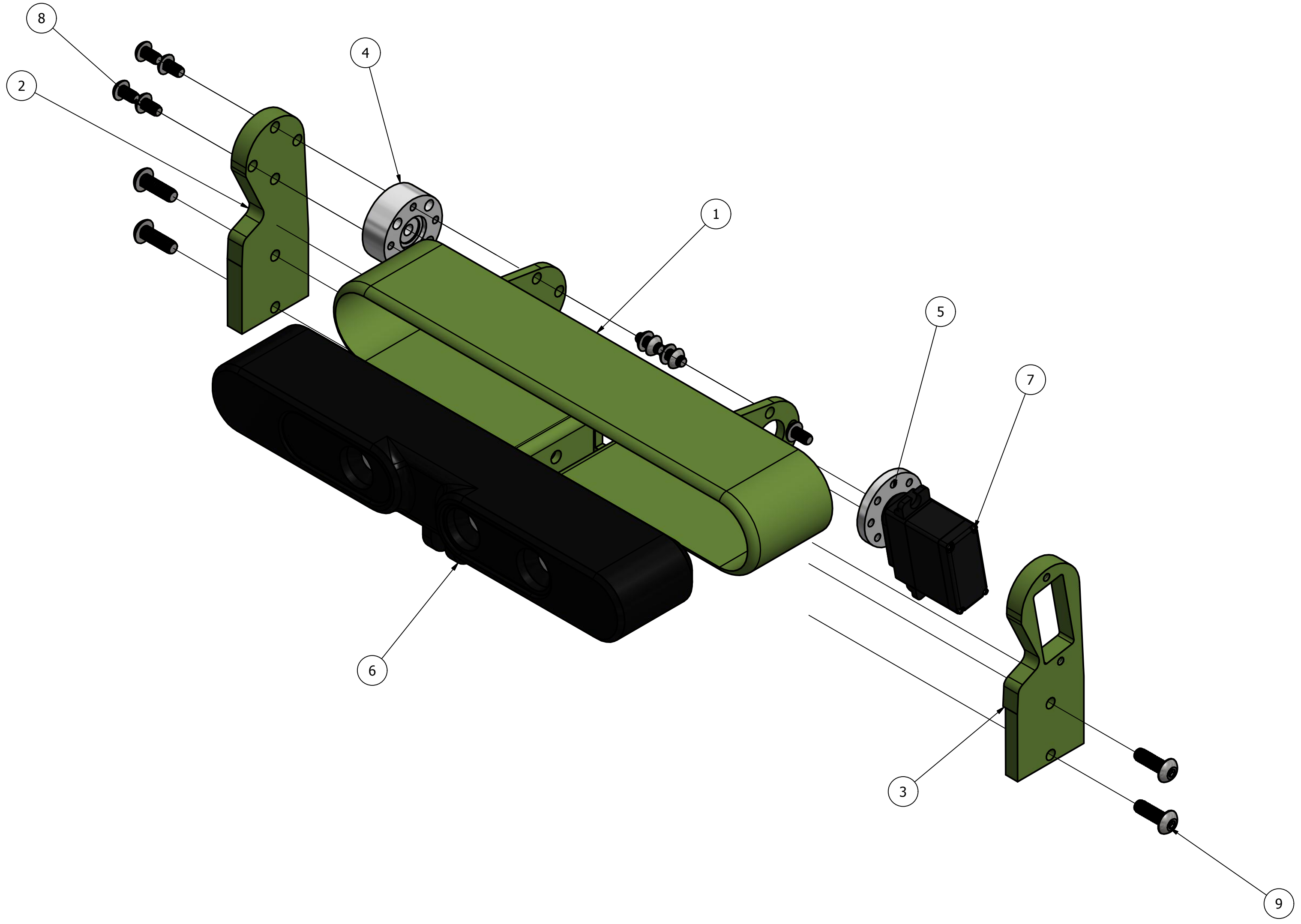
NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

5	1	HMDCOM100		PPM SENSOR		
ITEM	QTY	PART NUMBER		DESCRIPTION		SPECIFICATIONS
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		DRAWN J. FIGUEROA	4/11/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES
		UNDER .024 0	+ .0020 - .006	CHECKED O. MAH	4/24/2013	
FINISH:		.024 THRU .125	+ .004 - .001	DATE D. DOAN	4/24/2013	
		.126 THRU .250	+ .005 - .001	INSP. M. DELORIO	4/24/2013	TITLE: OTS, PPM SENSOR
WEIGHT: 0.065 LBS		.251 THRU .500	+ .005 - .001	APPROVED L. LYE	4/24/2013	
		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5	DELTA TECHNOLOGIES		SIZE: DWG NO: D 03-20-05
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES						SCALE: 6:1 SUBSYSTEM: GAS/HAS/ARMS SHEET: 1 OF 1
						REV: ---

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



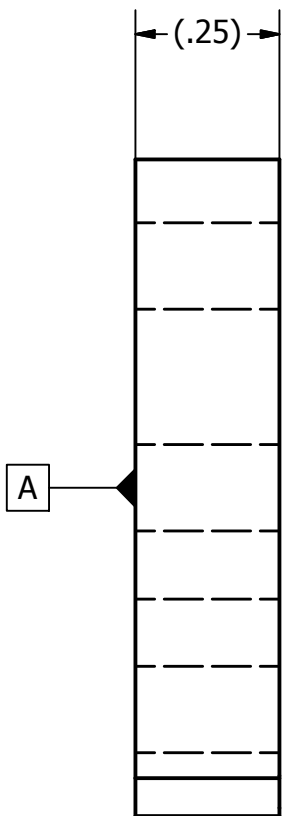
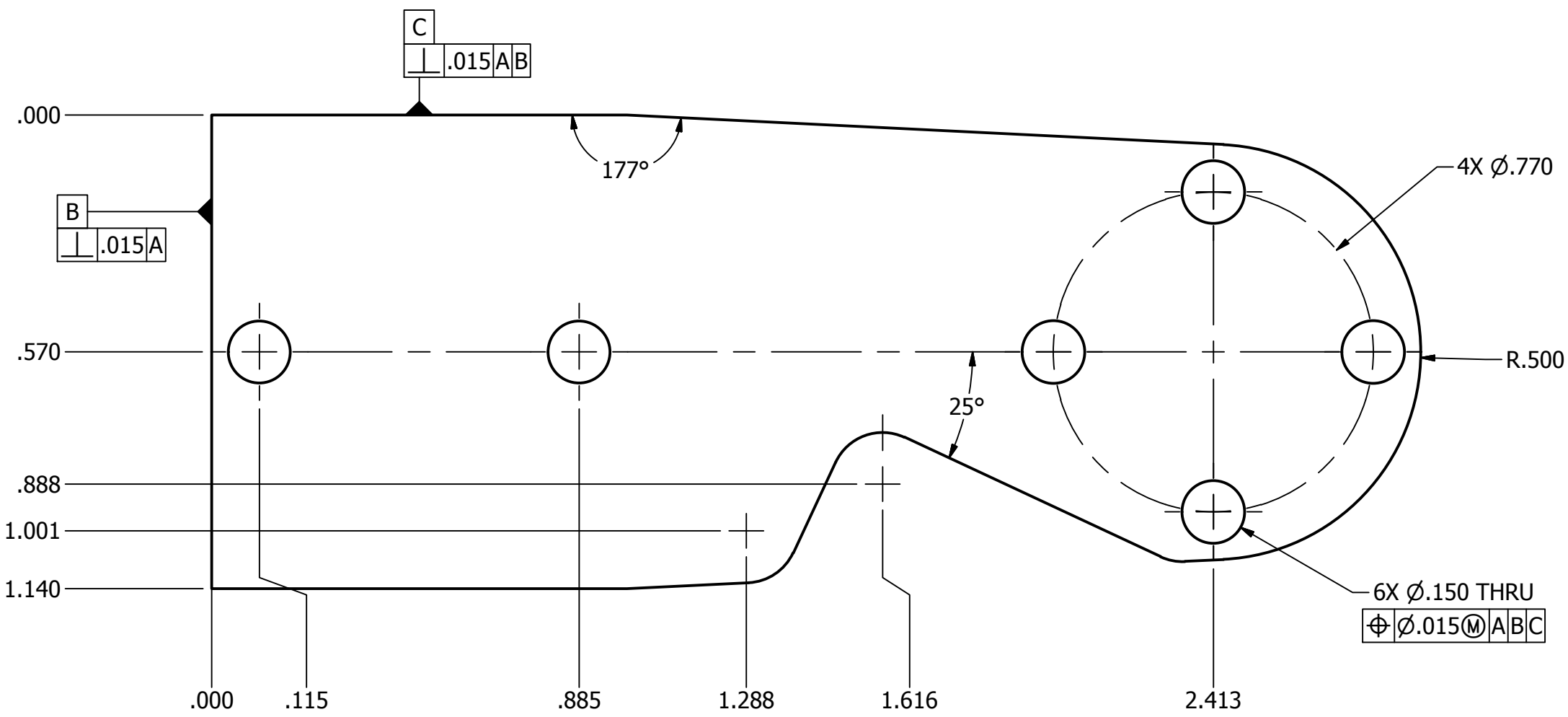
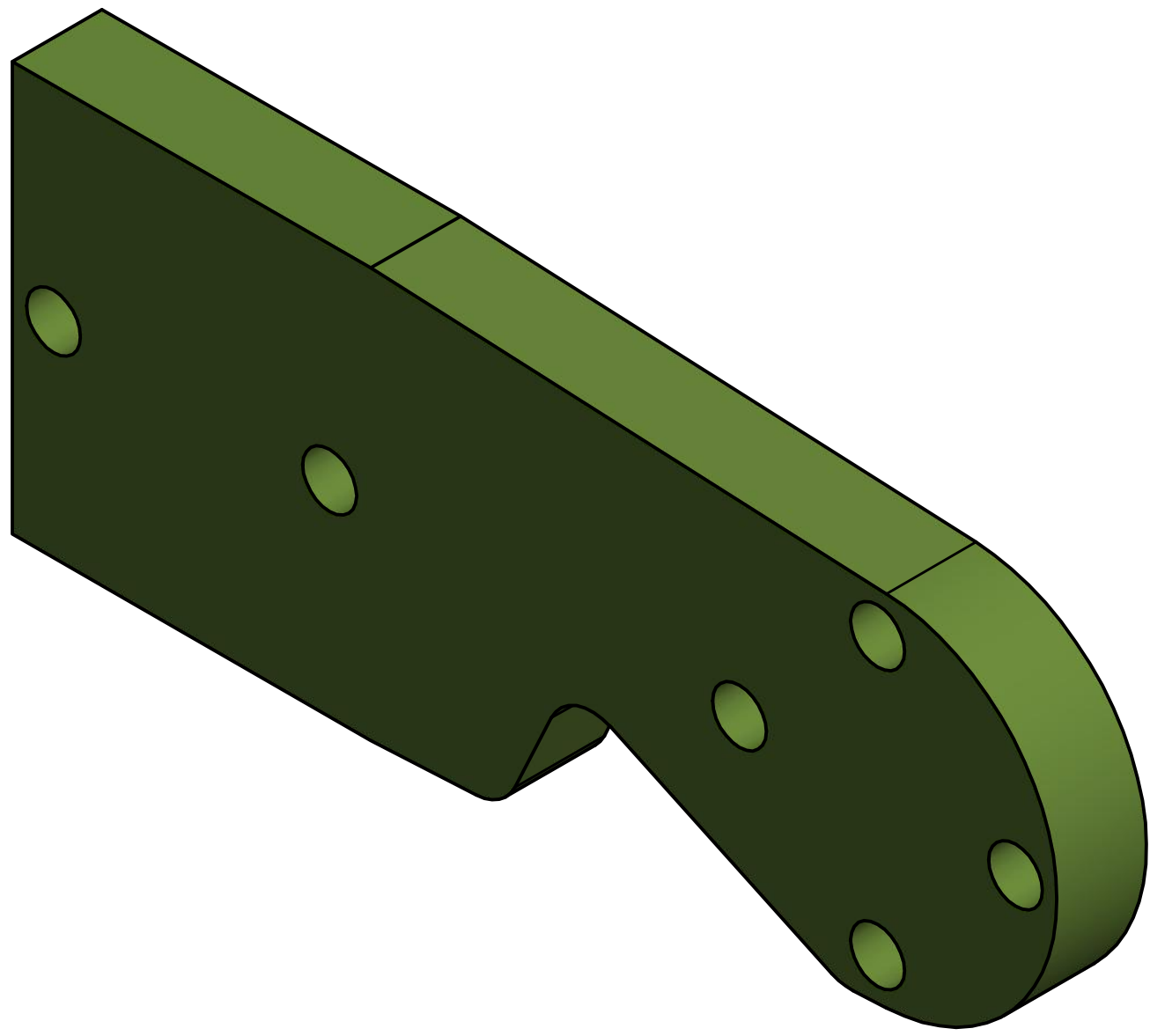
REVISION HISTORY		
REV	DESCRIPTION	APPROVED

9	4	91255A194	OTS, ALLOY STEEL BUTTON HEAD SOCKET CAP SCREW 8-32 THREAD, 1/2" LENGTH
8	14	91255A144	OTS, ALLOY STEEL BUTTON HEAD SOCKET CAP SCREW 6-32 THREAD, 1/4" LENGTH
7	1	HS85MG	OTS, MIGHTY MICRO MOTOR
6	1	N82E16826785047	OTS, ASUS XTION
5	1	525124	OTS, LIGHTWEIGHT HUB HORN
4	1	545364	OTS, SWIVEL HUB
3	1	04-10-03	IPT, CAMERA TILT, MOUNTING PLATE B
2	1	04-10-02	IPT, CAMERA TILT, MOUNTING PLATE A
1	1	04-10-01	IPT, CAMERA TILT, ASUS MOUNT

NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		DRAWN: J. FIGUEROA	4/11/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES
FINISH:	UNDER .024 0	+ .001 - .006	500 THRU .750	+ .009 - .001	4/24/2013	
	.024 THRU .125	+ .004 - .001	.751 THRU 1.000	+ .010 - .001	4/24/2013	
	.126 THRU .250	+ .005 - .001	1.000 THRU 2.000	+ .012 - .001	4/24/2013	
	.251 THRU .500	+ .006 - .001	OVER 2.000	+ .015 - .005	4/24/2013	
WEIGHT: 0.710 LBS				APPROVED: LIVE	4/24/2013	ASSY, CAMERA TILT
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES.		ON DECIMAL DIMENSIONS: XXX ± .010 XX ± .03 X ± .1		ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5°	 DELTA TECHNOLOGIES	
3		2		SIZE: DWG NO: D 04-10-00 SCALE: 1:1 SUBSYSTEM ACTUATION SHEET: 1 OF 1		

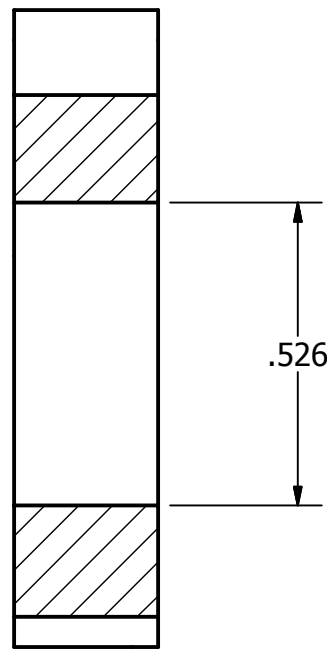
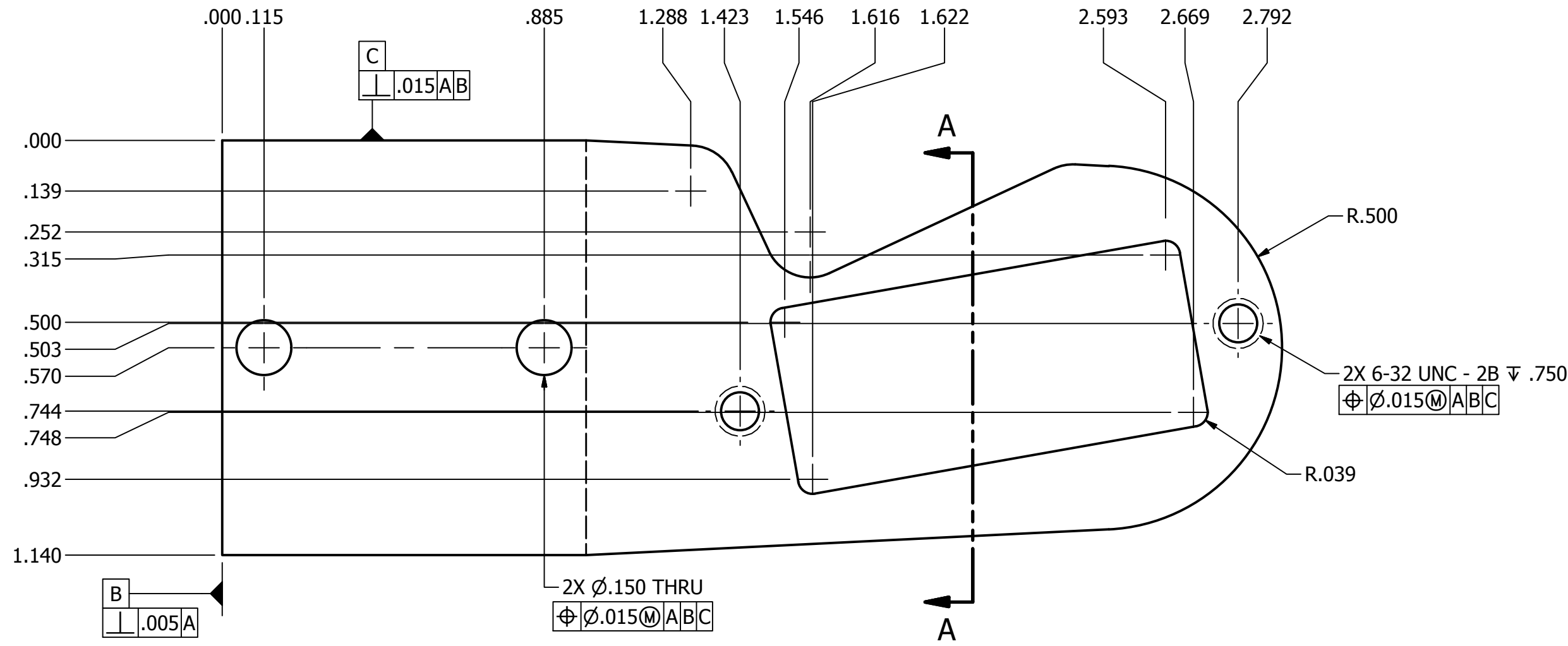
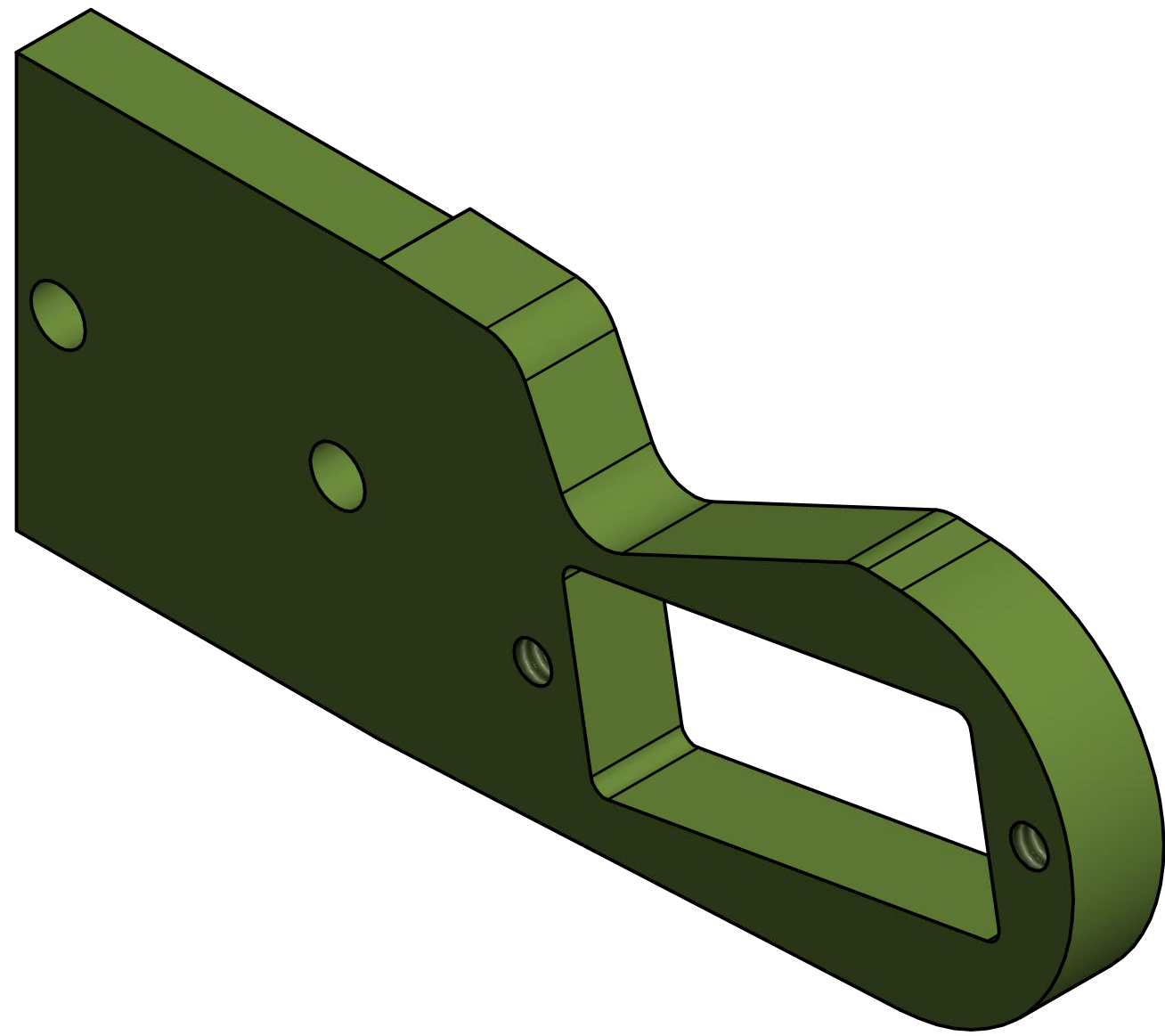
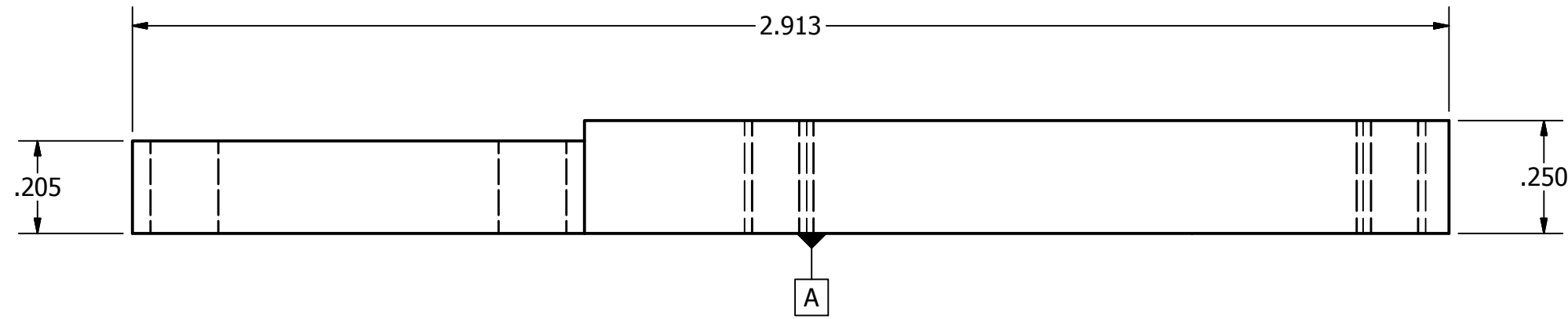
REVISION HISTORY		
REV	DESCRIPTION	APPROVED



NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995
1. ALL FILLETS R.125

2	1	04-10-02	MOUNTING PLATE A		
ITEM	QTY	PART NUMBER	DESCRIPTION	SPECIFICATION	
MATERIAL:		ABS PLASTIC	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN: J. FIGUEROA	4/11/2013
FINISH:				CHECKED: O. MAH	4/24/2013
WEIGHT:		.026 LBS.		APPROVED: L. LYE	4/24/2013
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5	DELTA TECHNOLOGIES	
SCALE: 3:1		SUBSYSTEM: CAMERA TILT	SHEET: 1 OF 1		REV: --

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



SECTION A-A
SCALE 3 : 1

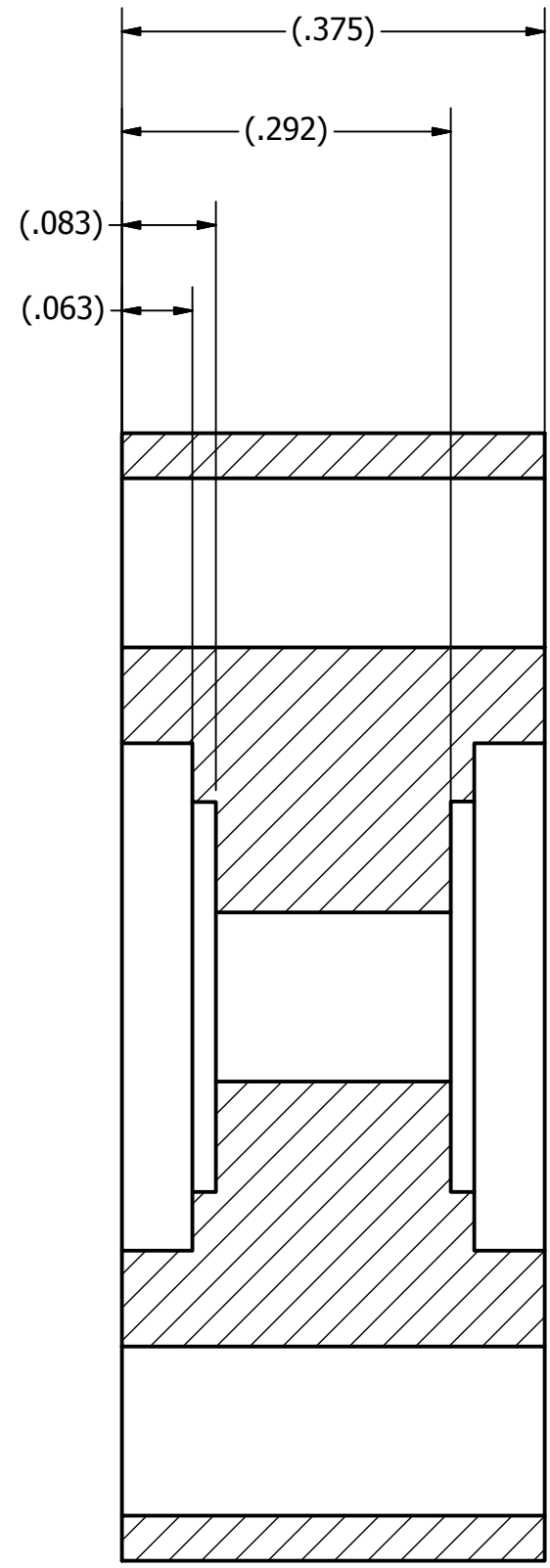
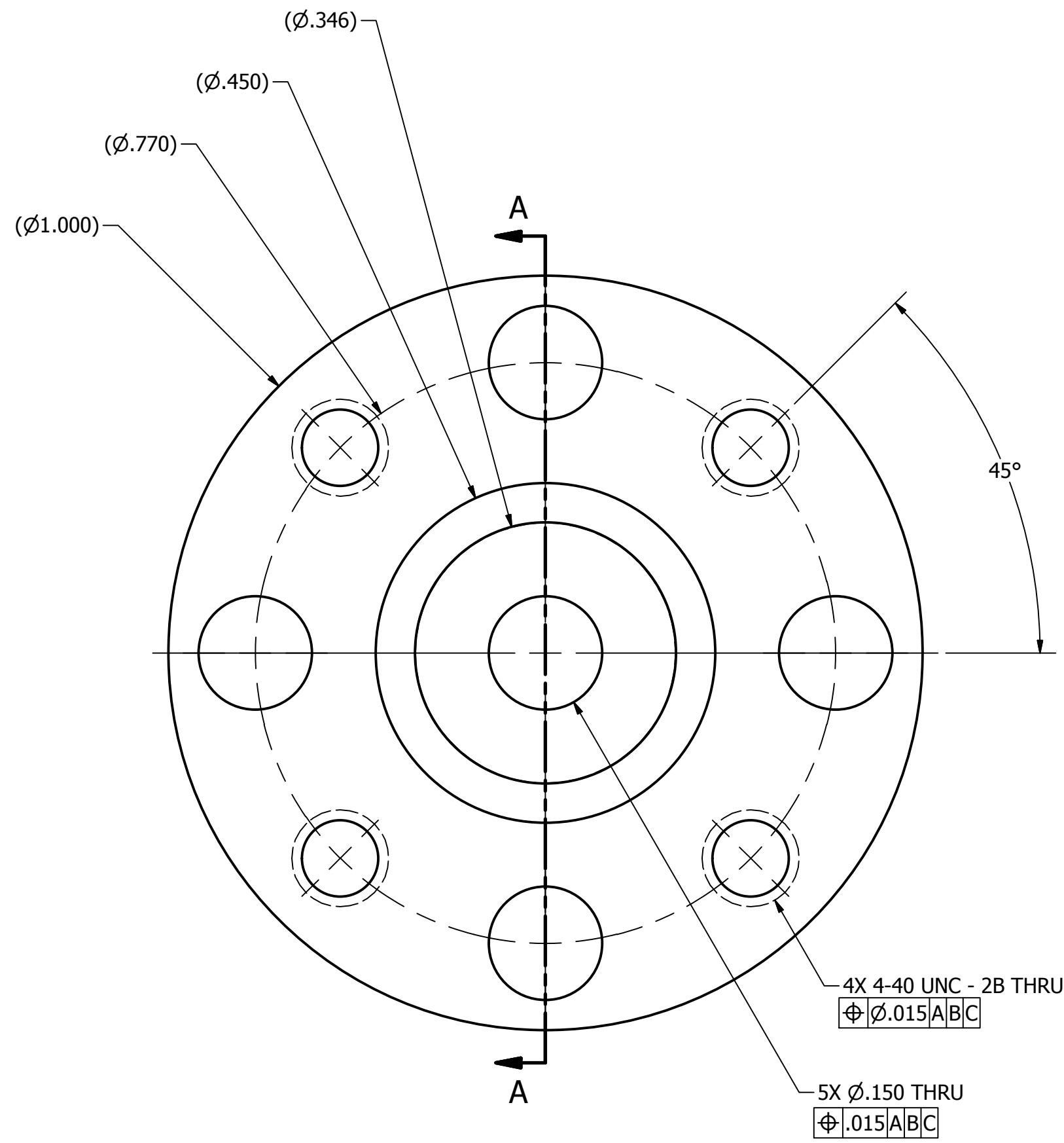
NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995
2. ALL FILLETS R.125

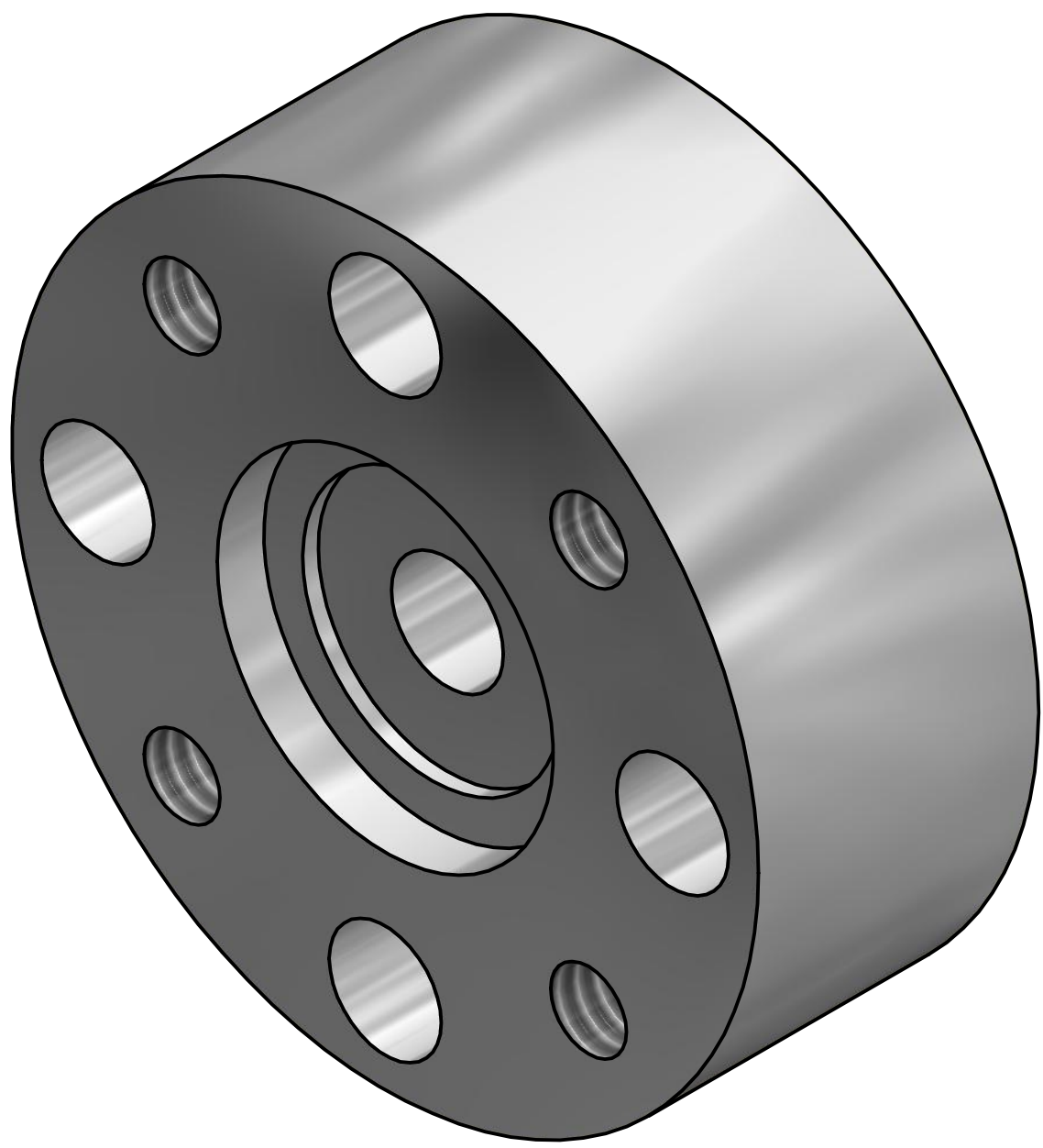
3	1	04-10-03		MOUNTING PLATE B			
ITEM	QTY	PART NUMBER		DESCRIPTION		SPECIFICATION	
MATERIAL:		ABS PLASTIC		DRAWN: J. FIGUEROA CHECKED: O. MAH DATE: 4/11/2013		CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES	
FINISH:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL HOLE DIMETERS UNDER .014 0 +.000 -.005 0.014 THRU .125 +.000 -.004 +.000 -.001 0.126 THRU .250 +.000 -.002 +.000 -.001 2.51 THRU .500 +.000 -.002 OVER 2.000 +.003 -.005		1. FIGUEROA 4/11/2013 2. MAH 4/24/2013 3. DOAN 4/24/2013 4. M. DELORIO 4/24/2013 APPROVED: L. LYE 4/24/2013			
WEIGHT:		.019 LBS.		TITLE:			
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1		ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5°			
				DELTA TECHNOLOGIES		ASSY, CAMERA TILT, MOUNTING PLATE B	
				SIZE: DWG NO: D 04-10-03		REV: —	
				SCALE 3:1 SUBSYSTEM: CAMERA TILT SHEET: 1 OF 1			

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	545364	ServoCity 3850 East 12th Avenue Winfield, KS 67156 (620) 224-0123 Orders@ServoCity.com

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



SECTION A-A
SCALE 6:1



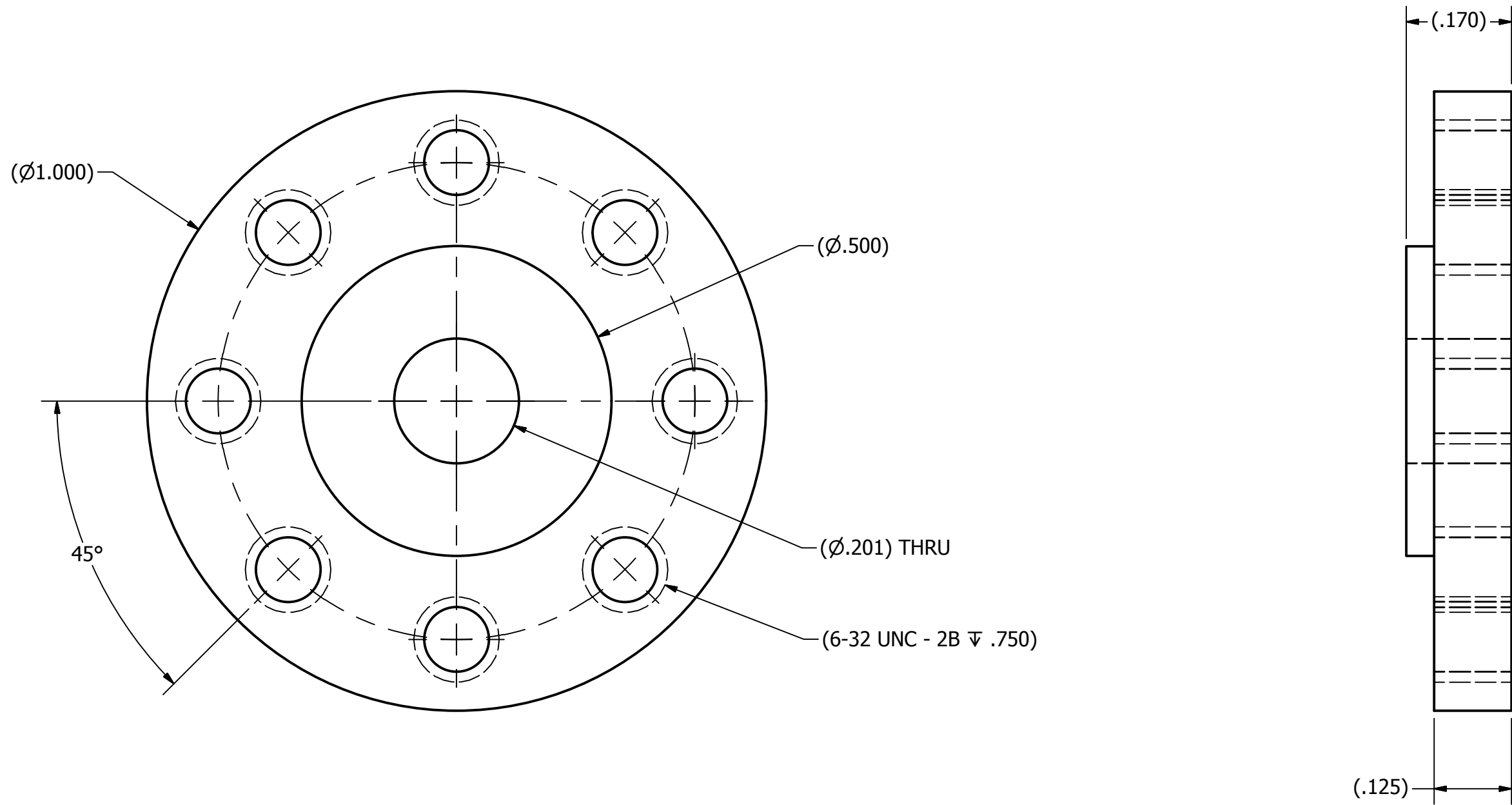
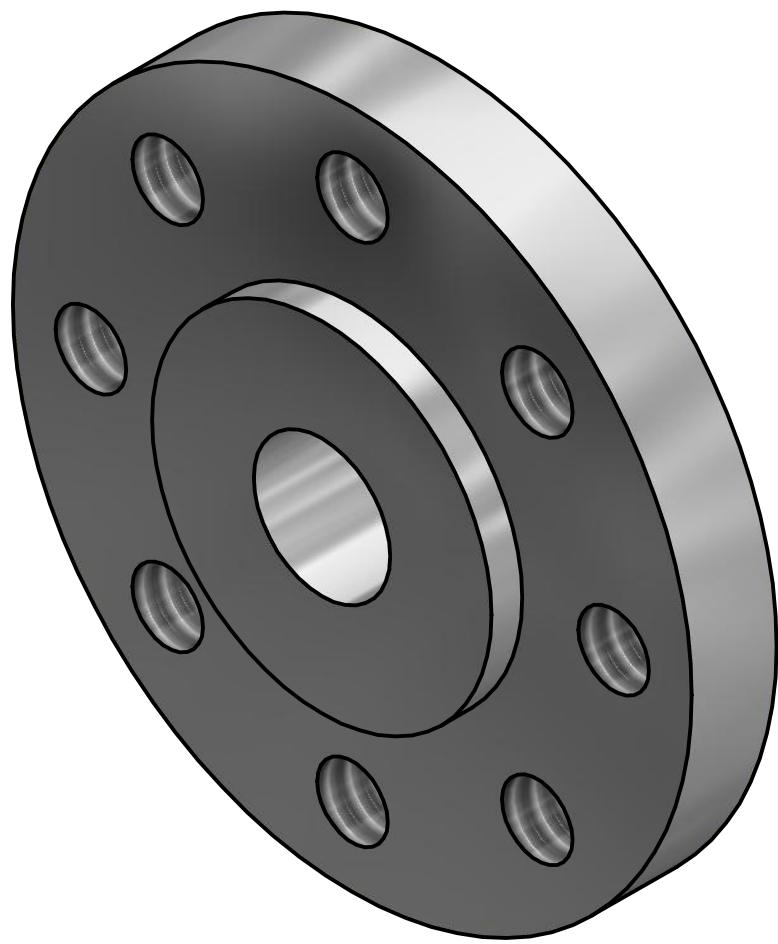
NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

SOURCE CONTROL DRAWING

4	1	545364	PART NUMBER		SWIVEL HUB		DESCRIPTION		SPECIFICATIONS	
ITEM	QTY									
MATERIAL:			UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS			DRAWN: D. DOAN		4/11/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES	
			UNDER .024 0			CHECKED: O. MAH		4/24/2013		
FINISH:			.024 THRU .125			D. DOAN		4/24/2013		
			.126 THRU .250			M. DELORIO		4/24/2013	TITLE: OTS, SWIVEL HUB	
WEIGHT:			.251 THRU .500			APPROVED: L. LYE		4/24/2013		
			OVER 2.000							
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES			ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1		ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5°		DELTA TECHNOLOGIES		SIZE: DWG NO: D 03-20-04	
			SCALE: 6:1		SUBSYSTEM: GAS/HAS ARM		SHEET: 1 OF 1		REV: ---	

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	545364	ServoCity 3850 East 12th Avenue Winfield, KS 67156 (620) 224-0123 Orders@ServoCity.com

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



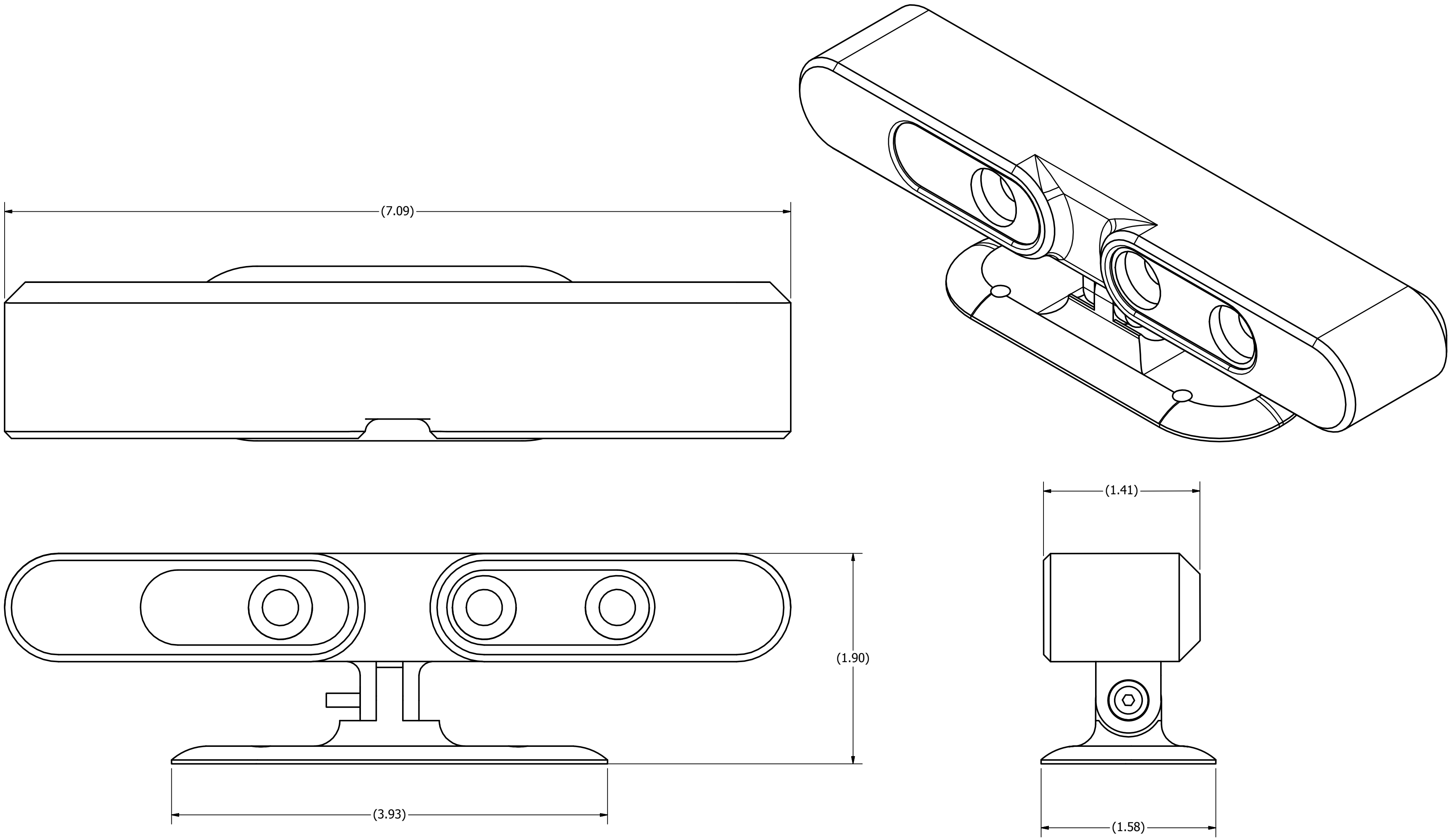
NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

SOURCE CONTROL DRAWING

5	1	545364	HUB HORN	
ITEM	QTY	PART NUMBER	DESCRIPTION	SPECIFICATION
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		DRAWN: J. FIGUEROA CHECKED: O. MAH DATE: 4/11/2013
FINISH:		UNDER .014 0 +.000 -.006	500 THRU .750 +.008 -.010	4/24/2013
WEIGHT:		+.004 -.001	.751 THRU 1.000 +.010 -.001	4/24/2013
		+.005 -.001	1.000 THRU 2.000 +.012 -.001	4/24/2013
		+.005 -.001	OVER 2.000 +.015 -.005	4/24/2013
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5°	DELTA TECHNOLOGIES TITLE: OTS, LIGHTWEIGHT HUB HORN SCALE: 5:1 SUBSYSTEM: CAMERA TILT SHEET: 1 OF 1

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	N82E168 26785047	ASUS Online Store 510-791-3705 http://us.estore.asus.com/

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



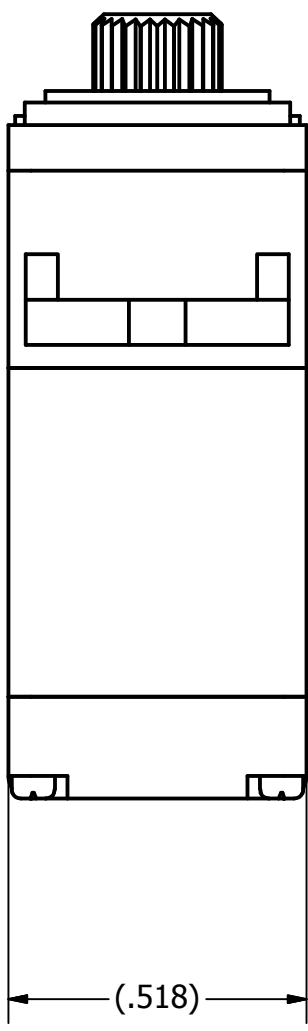
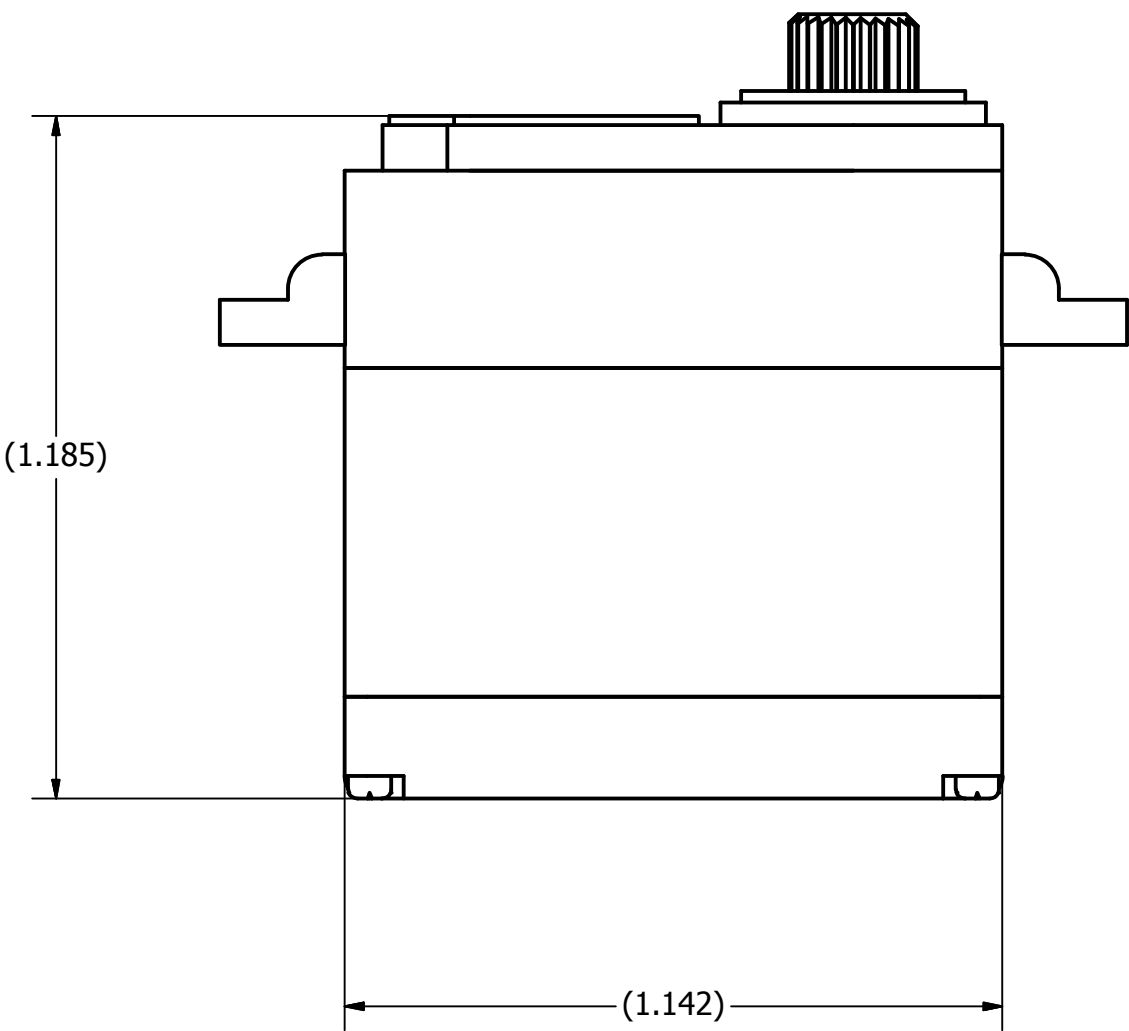
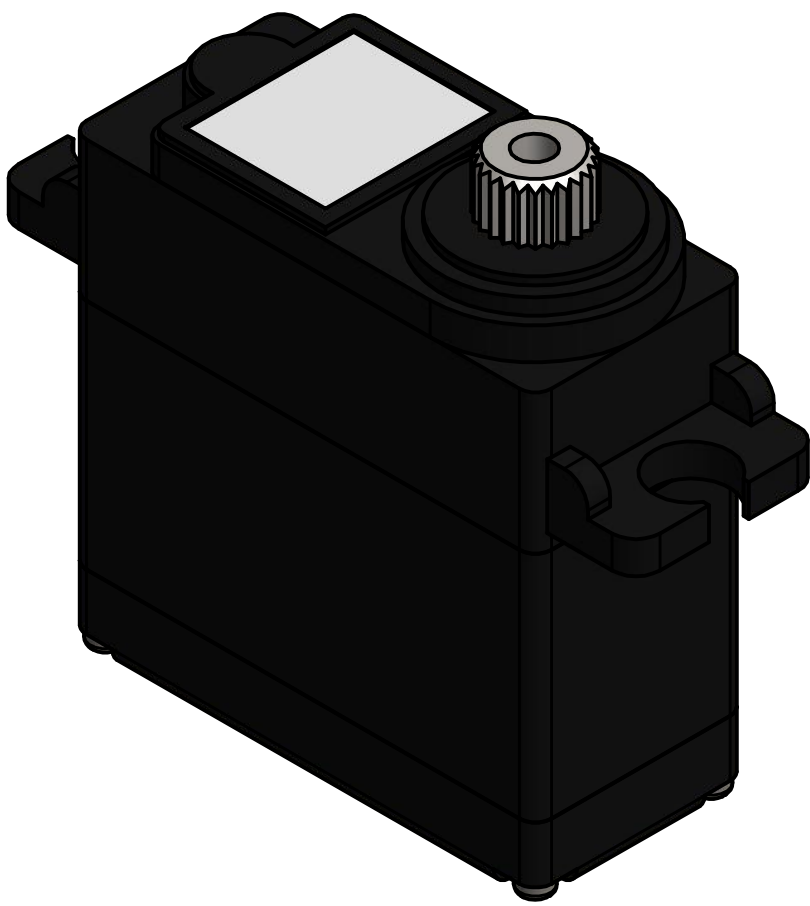
SOURCE CONTROL DRAWING

NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

6		1		N82E16826785047		ASUS XTION			
ITEM		QTY		PART NUMBER		DESCRIPTION		SPECIFICATION	
MATERIAL:		UNLESS OTHERWISE SPECIFIED				DRAWN: J. FIGUEROA		4/11/2013	
		TOLERANCES ON ALL SIZE DIMENSIONS				CHECKED: O. MAHA		4/24/2013	
FINISH:		UNDER .014 0		+.000 -.005		500 THRU .750		+.008 -.004	
		.014 THRU .125		+.004 -.001		.751 THRU 1.000		+.004 -.002	
WEIGHT:		.014 THRU .125		+.004 -.001		1.000 THRU 2.000		+.004 -.002	
		.126 THRU .250		+.005 -.001		2.001 THRU 4.000		+.005 -.002	
0.379 LBS		.251 THRU .500		+.005 -.001		OVER 2.000		+.005 -.002	
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES.		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1		ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5°		 DELTA TECHNOLOGIES		REV: —	
		SIZE: D		DWG NO: 04-10-06		SCALE: 3:2		SUBSYSTEM: CAMERA TILT SHEET: 1 OF 1	

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	HS85MG	ServoCity 3850 East 12th Avenue Winfield, KS 67156 (620) 224-0123 Orders@ServoCity.com

REVISION HISTORY		
REV	DESCRIPTION	APPROVED

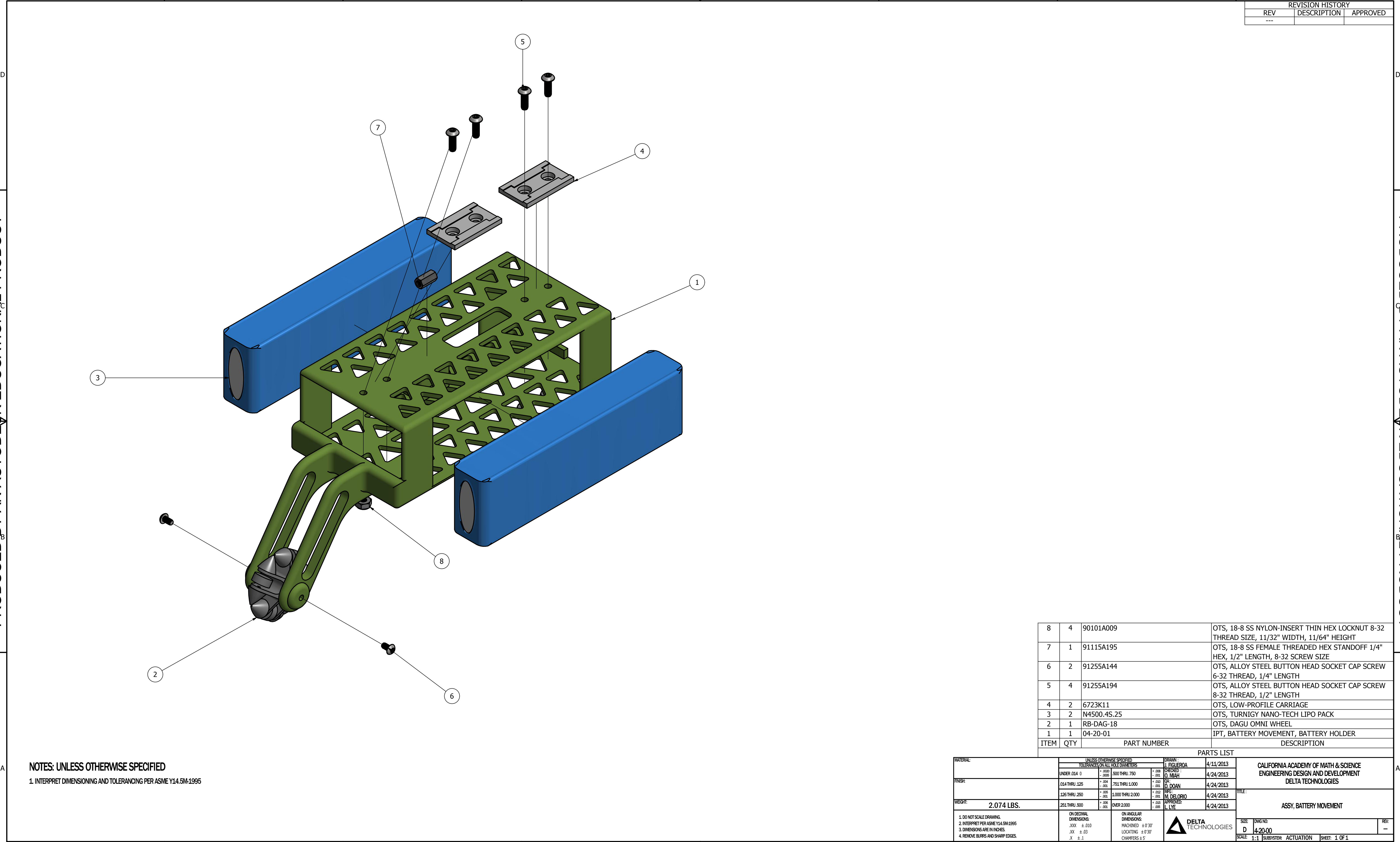


NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

SOURCE CONTROL DRAWING

7	1	HS85MG	MIGHTY MICRO MOTOR		SPECIFICATION	
ITEM	QTY	PART NUMBER	DESCRIPTION			
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		DRAWN J. FIGUEROA	4/11/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES
		UNDER .014 0	+ .0020 - .006	CHECKED O. MAH	4/24/2013	
FINISH:		.014 THRU .125	+ .004 - .001	QA D. DOAN	4/24/2013	
		.126 THRU .250	+ .005 - .001	INSP. M. DELORIO	4/24/2013	TITLE: QTS, MIGHTY MICRO MOTOR
WEIGHT: 0.026 LBS		.251 THRU .500	+ .005 - .001	APPROVED L. LYE	4/24/2013	
		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5	DELTA TECHNOLOGIES		SIZE: DWG NO: D 04-10-07 SCALE: 3:1 SUBSYSTEM CAMERA TILT SHEET: 1 OF 1
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES						REV: ---



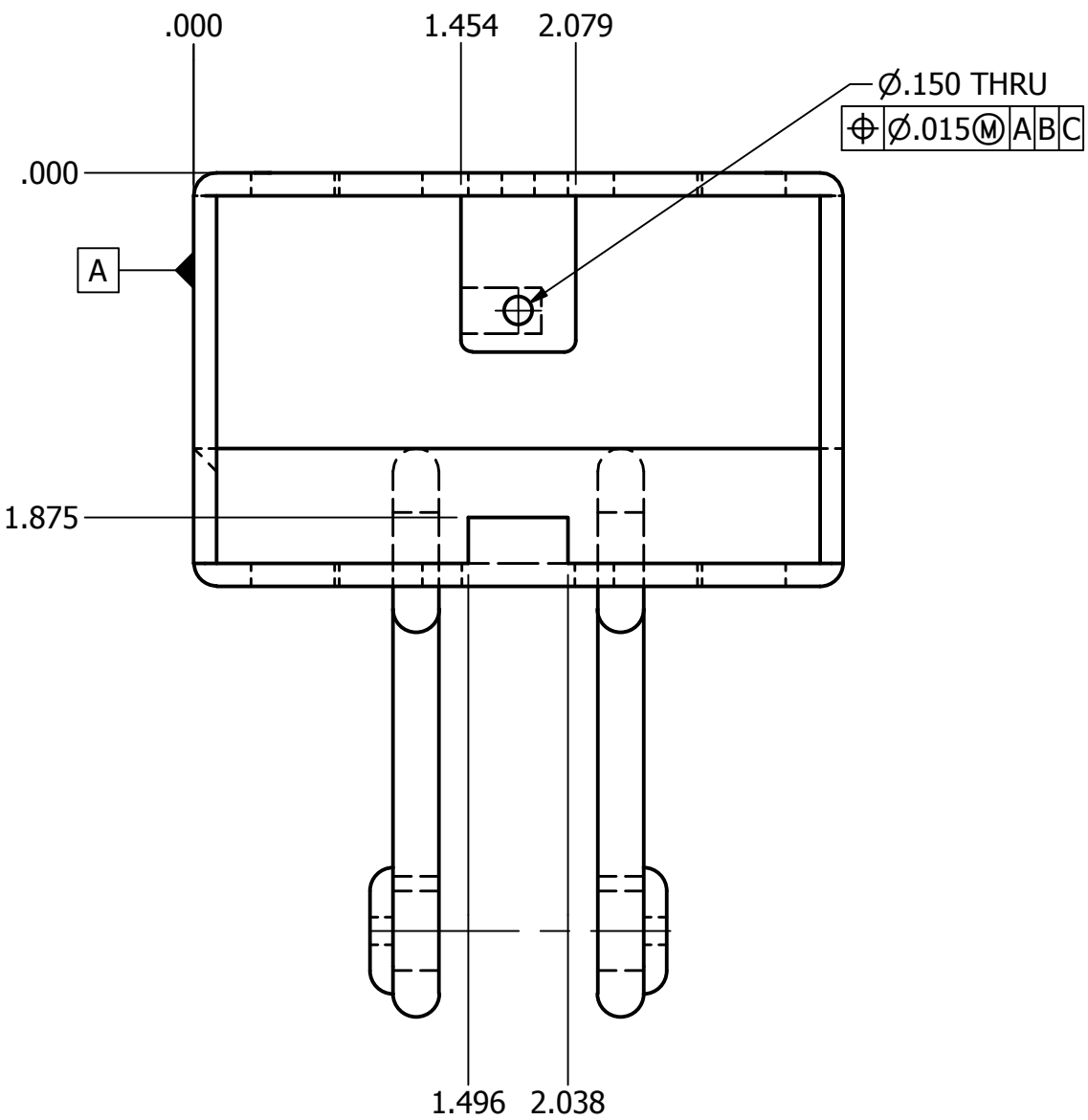
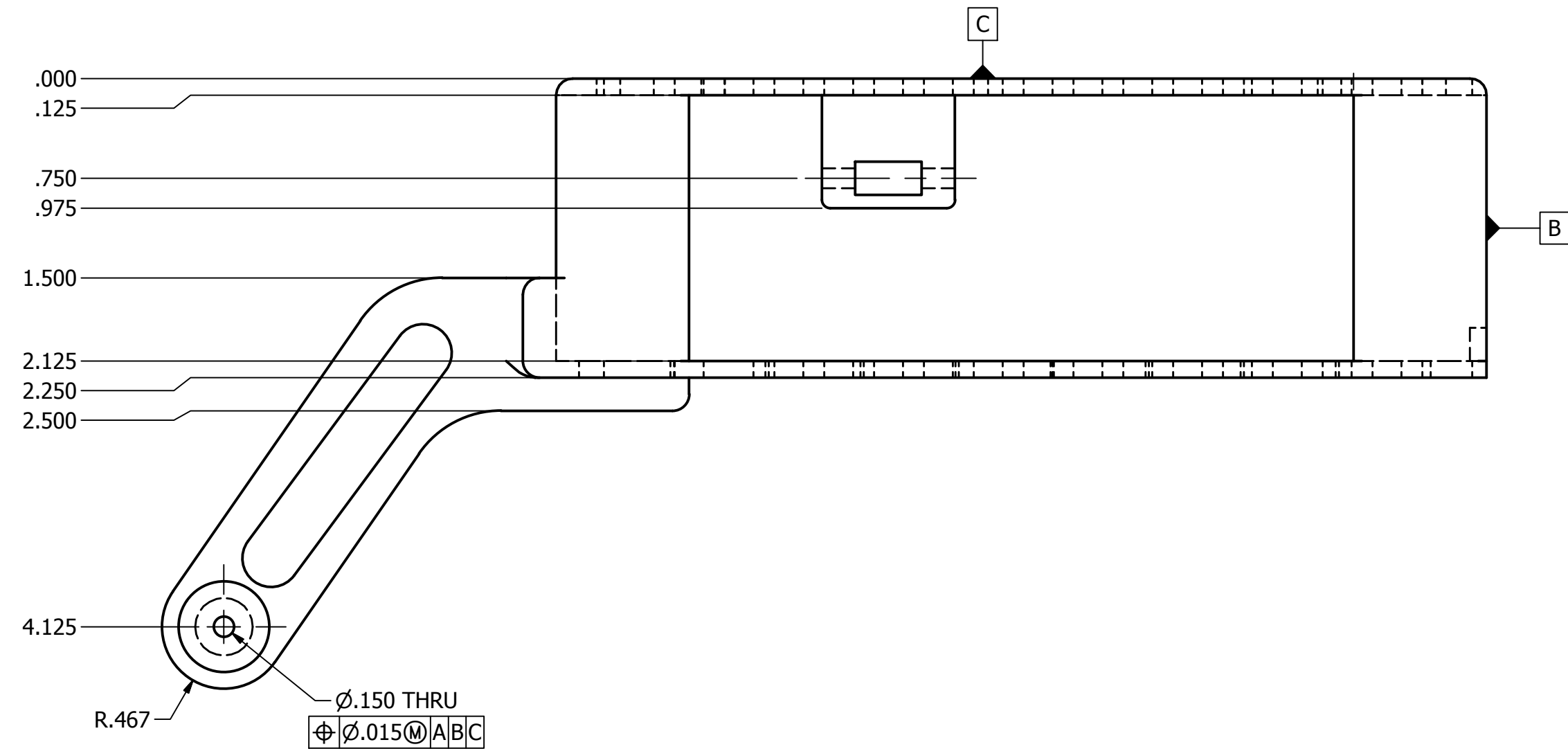
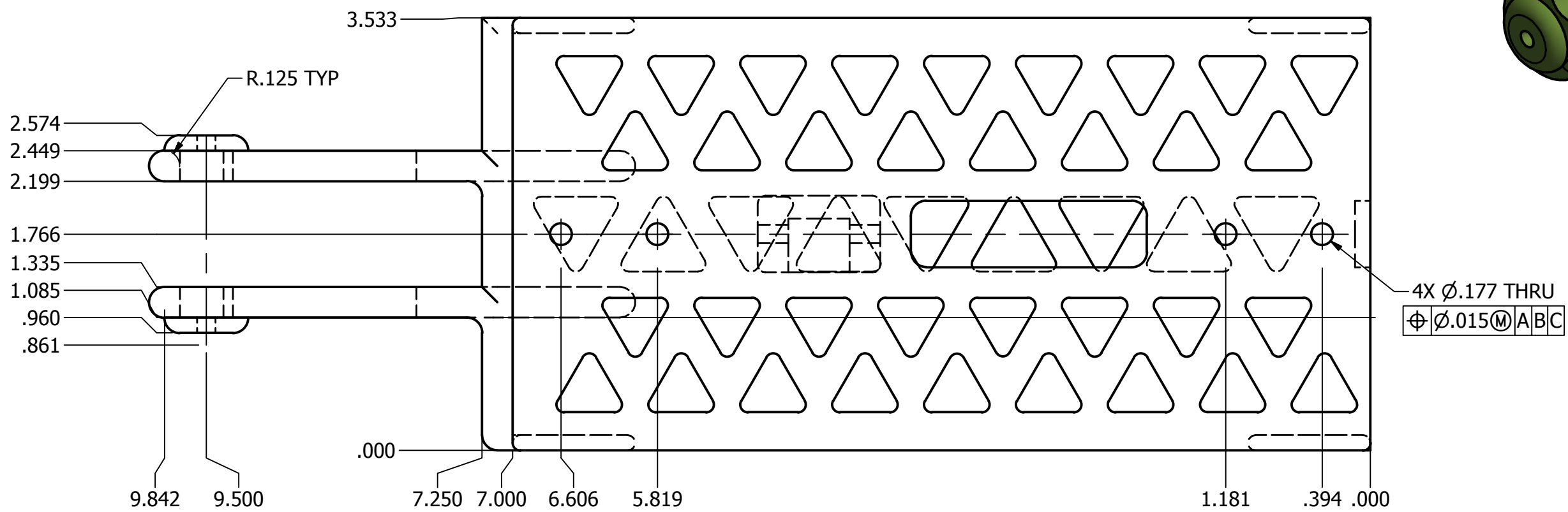
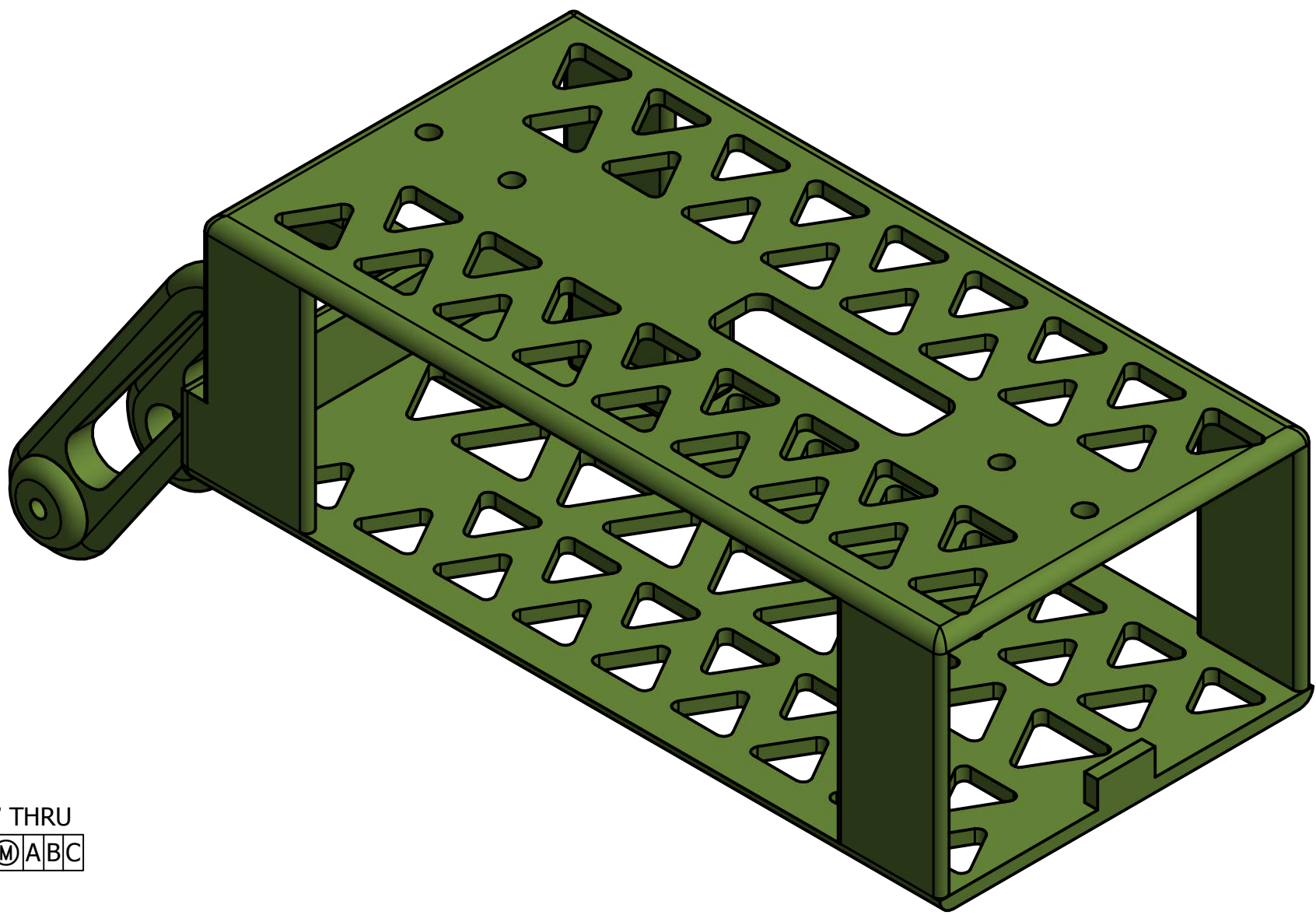
REVISION HISTORY		
REV	DESCRIPTION	APPROVED

8	4	90101A009	OTS, 18-8 SS NYLON-INSERT THIN HEX LOCKNUT 8-32 THREAD SIZE, 11/32" WIDTH, 11/64" HEIGHT
7	1	91115A195	OTS, 18-8 SS FEMALE THREADED HEX STANDOFF 1/4" HEX, 1/2" LENGTH, 8-32 SCREW SIZE
6	2	91255A144	OTS, ALLOY STEEL BUTTON HEAD SOCKET CAP SCREW 6-32 THREAD, 1/4" LENGTH
5	4	91255A194	OTS, ALLOY STEEL BUTTON HEAD SOCKET CAP SCREW 8-32 THREAD, 1/2" LENGTH
4	2	6723K11	OTS, LOW-PROFILE CARRIAGE
3	2	N4500.4S.25	OTS, TURNIGY NANO-TECH LIPO PACK
2	1	RB-DAG-18	OTS, DAGU OMNI WHEEL
1	1	04-20-01	IPT, BATTERY MOVEMENT, BATTERY HOLDER
ITEM	QTY	PART NUMBER	DESCRIPTION

NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

MATERIAL:		UNLESS OTHERWISE SPECIFIED		DRAWN: J. FIGUEROA		4/11/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES	
		TOLERANCES ON ALL SIZE DIMENSIONS						
FINISH:		UNDER .014 0	+ .002 - .005	500 THRU .750	CHECKED: O. MAH	4/24/2013		
		.014 THRU .125	+ .004 - .001	.751 THRU 1.000	QA: D. DOAN	4/24/2013		
WEIGHT:		.126 THRU .250	+ .005 - .001	1.000 THRU 2.000	INSP: M. DELORIO	4/24/2013		
		2.074 LBS.		251 THRU 500	+ .005 - .001	OVER 2.000	APPROVED: L. LYE	4/24/2013
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES.		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1		ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5°		 DELTA TECHNOLOGIES		TITLE: ASSY, BATTERY MOVEMENT
		SIZE: DWG NO: D 42000		SCALE: 1:1		SUBSYSTEM ACTUATION		
						SHEET: 1 OF 1		

REVISION HISTORY		
REV	DESCRIPTION	APPROVED

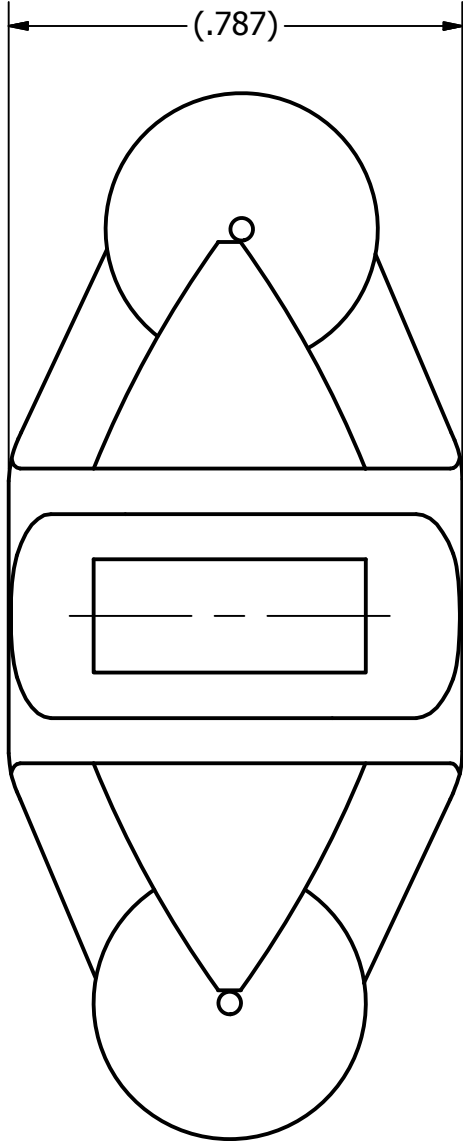
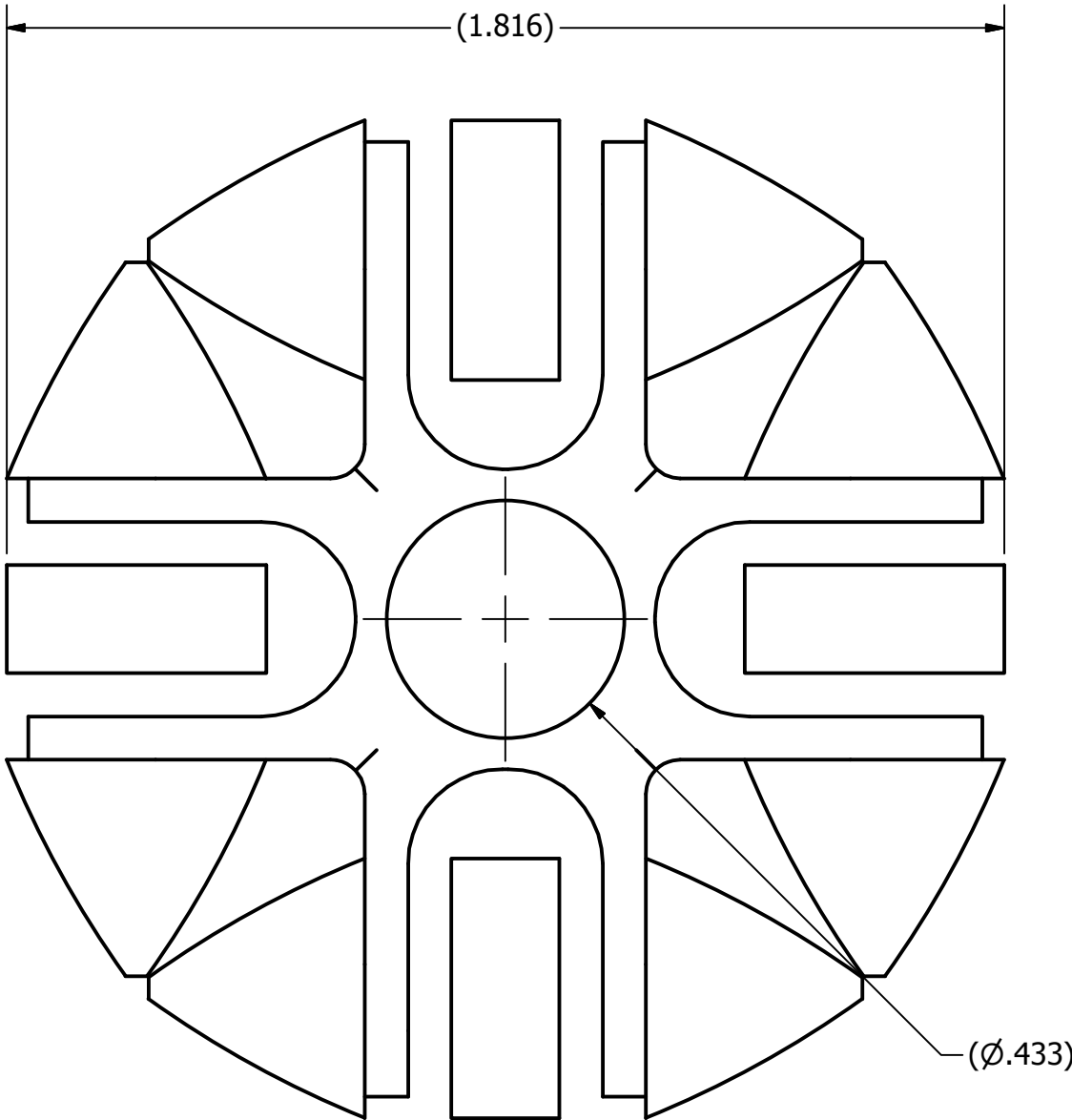
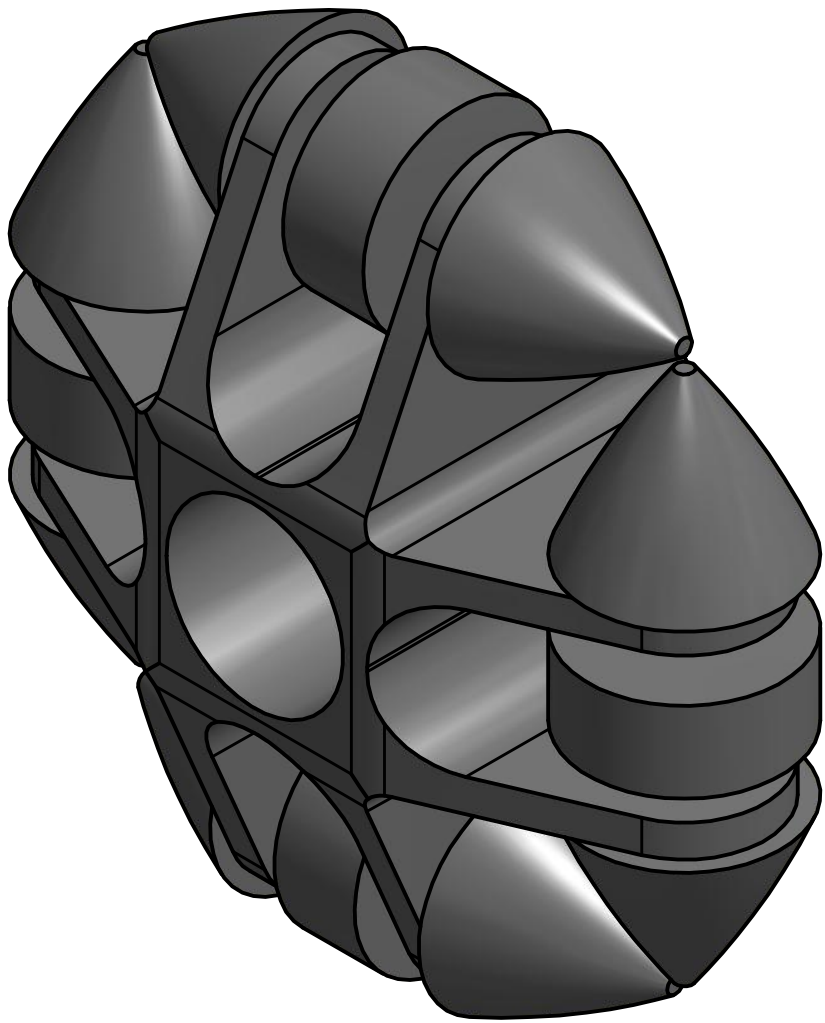


NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

1	1	04-20-01	BATTERY HOLDER		
ITEM	QTY	PART NUMBER	DESCRIPTION	SPECIFICATION	
MATERIAL:		ABS PLASTIC	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN: D. DOAN	4/24/2013
FINISH:			UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	CHECKED: O. MAH	4/24/2013
WEIGHT:		.295 LBS.	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN: D. DOAN	4/24/2013
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: XXX ±.010 XX ±.03 X ±.1	ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5°	INSP: M. DELORIO	4/24/2013
SCALE: 1:1		SUBSYSTEM	ACTUATION	SHEET: 1 OF 1	

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	RB-DAG-18	RobotShop Distribution Inc. 18005 Lapointe Building 305 Mirabel, Quebec, Canada J7J0G2 (866) 627-3178

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



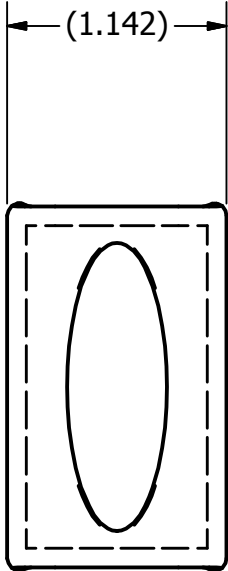
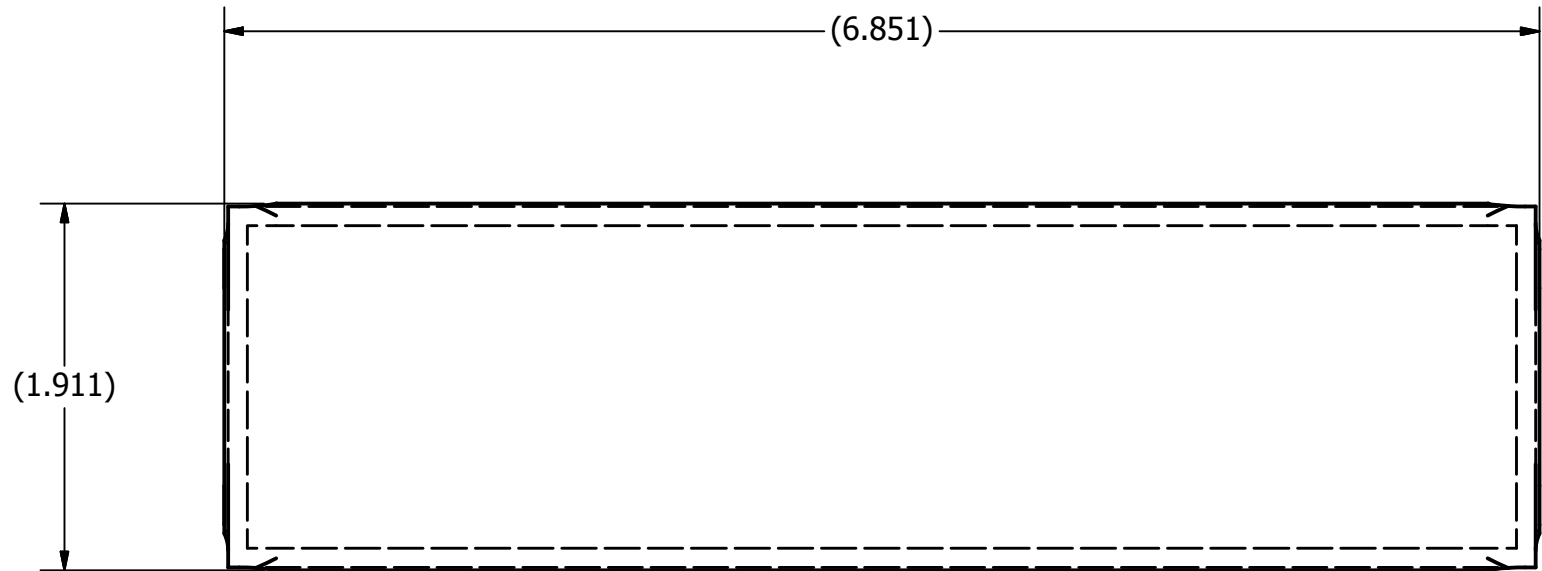
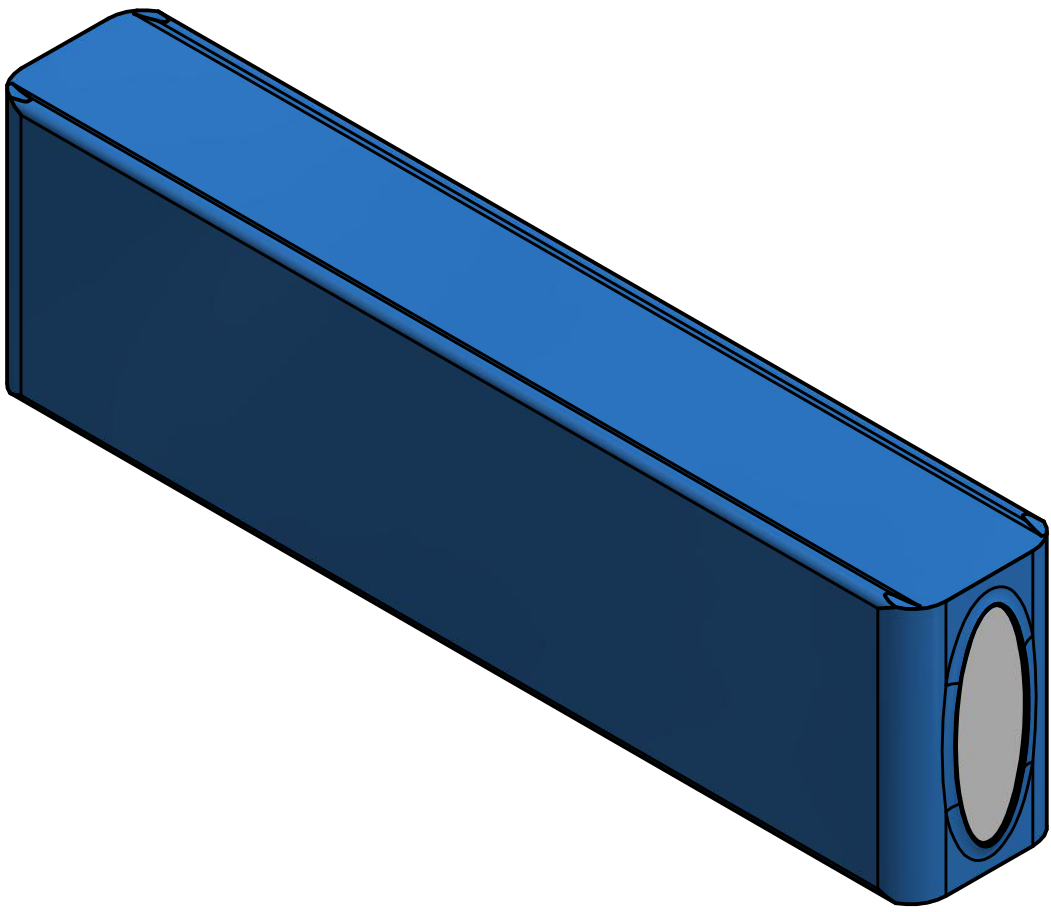
NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

SOURCE CONTROL DRAWING

PARTS LIST									
ITEM	QTY	PART NUMBER		DESCRIPTION				SPECIFICATION	
2	1	RB-DAG-18		OMNI WHEEL					
MATERIAL:		UNLESS OTHERWISE SPECIFIED			DRAWN:		4/24/2013	CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES	
		TOLERANCES ON ALL SIZE DIMENSIONS			D. DOAN		4/24/2013		
FINISH:		UNDER .014 0	+ .000 - .006	500 THRU .750	+ .008 - .016	CHECKED:	4/24/2013	TITLE:	
		.014 THRU .125	+ .004 - .001	.751 THRU 1.000	+ .010 - .001	O. MAH	4/24/2013		
WEIGHT:		.126 THRU .250	+ .005 - .001	1.000 THRU 2.000	+ .012 - .001	D. DOAN	4/24/2013	OTS, DAGU OMNI WHEEL	
		.251 THRU .500	+ .005 - .001	OVER 2.000	+ .015 - .005	INFS: M. DELORIO APPROVED: L. LYE	4/24/2013		
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5°		 DELTA TECHNOLOGIES		SIZE: DWG NO: D 04-20-02	REV: -	
		SCALE: 3:1	SUBSYSTEM	ACTUATION	SHEET: 1 OF 1				

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	N4500.4S.25	HOBBY KING YU HEND WU RM 16-17, F/16, GOLD FIELD IND. CTR. 1 SUI WO RD, FOTAN HONG KONG INVENTORS@ HEXTRONIK.COM

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



NOTES: UNLESS OTHERWISE SPECIFIED

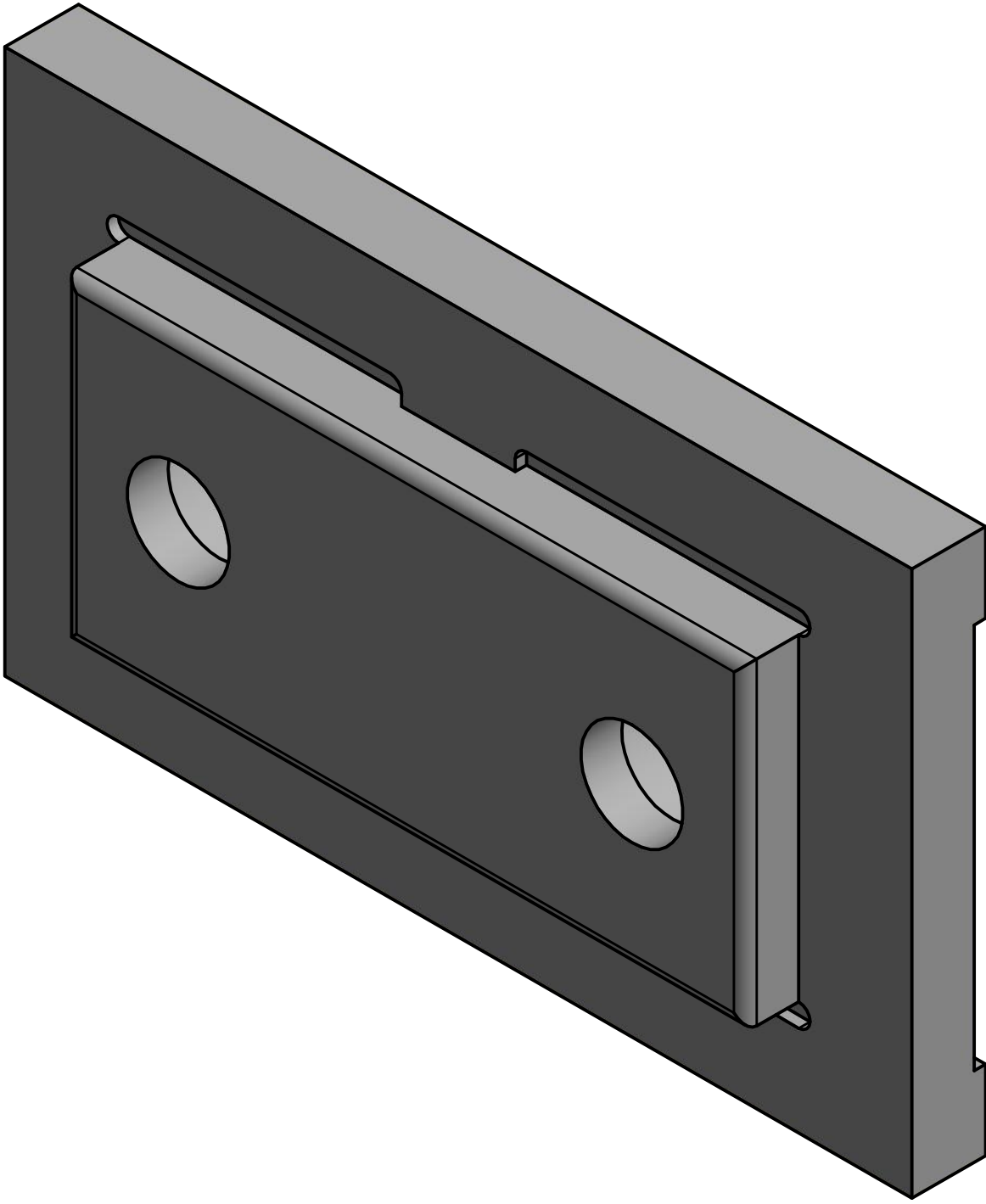
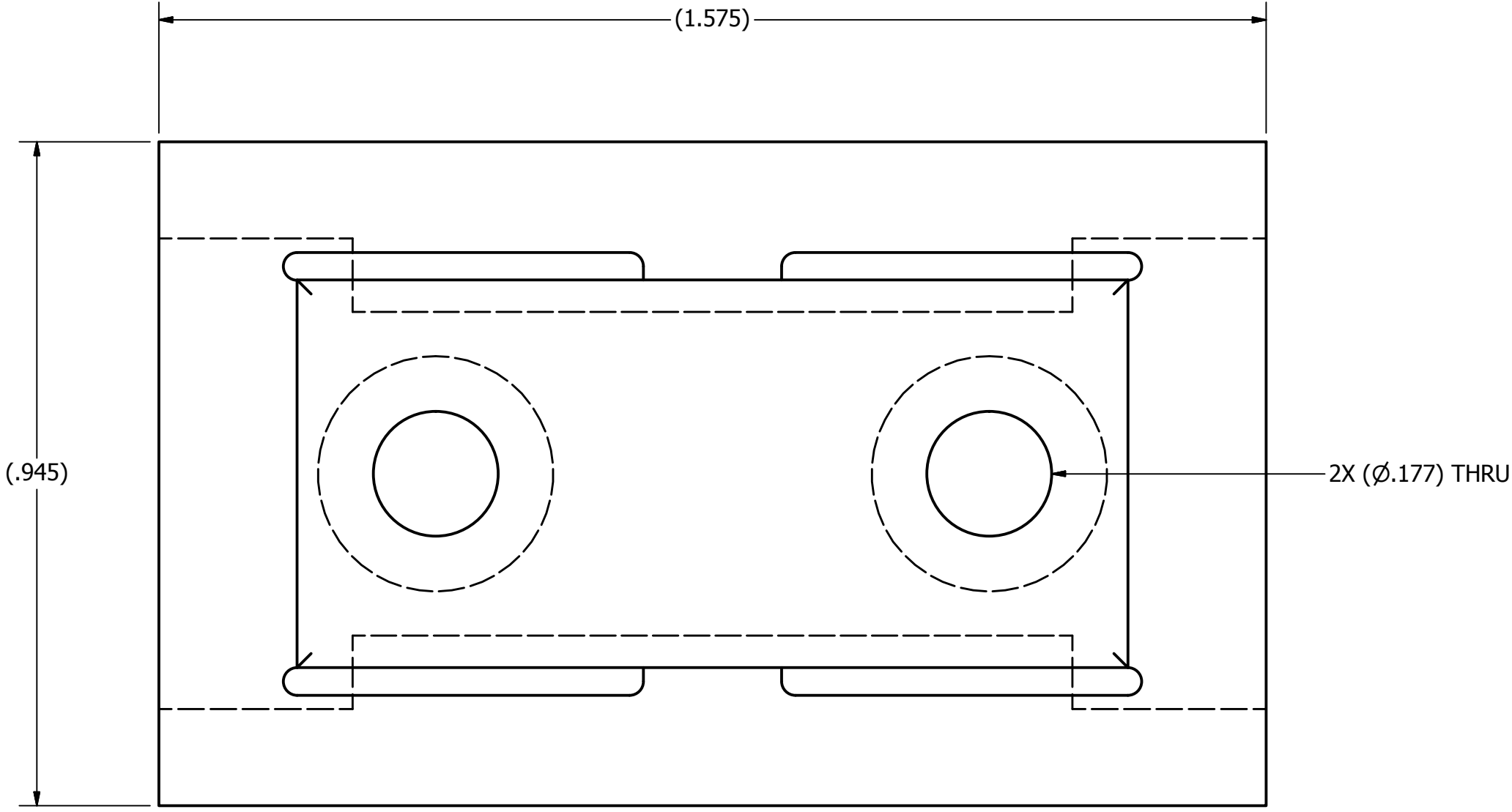
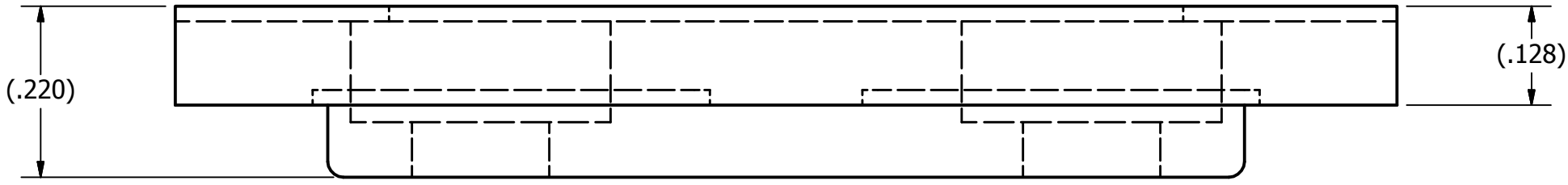
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

SOURCE CONTROL DRAWING

3	2	N4500.4S.25		TURNIGY NANO-TECH LIPO PACK					
ITEM	QTY	PART NUMBER		DESCRIPTION				SPECIFICATION	
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		DRAWN: J. FIGUEROA		4/11/2013		CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES	
		UNDER .014 0		CHECKED: O. MAH		4/25/2013			
FINISH:		.014 THRU .125		QA D. DOAN		4/25/2013			
		.126 THRU .250		INPS M. DELORIO		4/25/2013			
WEIGHT:		.251 THRU .500		APPROVED: L. LYE		4/25/2013		TITLE: OTS, TURNIGY NANO-TECH LIPO PACK	
1.03 LBS.									
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1		ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5°		 DELTA TECHNOLOGIES		SIZE: DWG NO: D 04-20-03	
								REV: —	
								SCALE: 1:1 SUBSYSTEM ACTUATION SHEET: 1 OF 1	

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	6723K11	McMaster-Carr 9630 Norwalk Blvd. Santa Fe Springs, CA 90670 (562) 692-5911 la.sales@mcmaster.com

REVISION HISTORY		
REV	DESCRIPTION	APPROVED

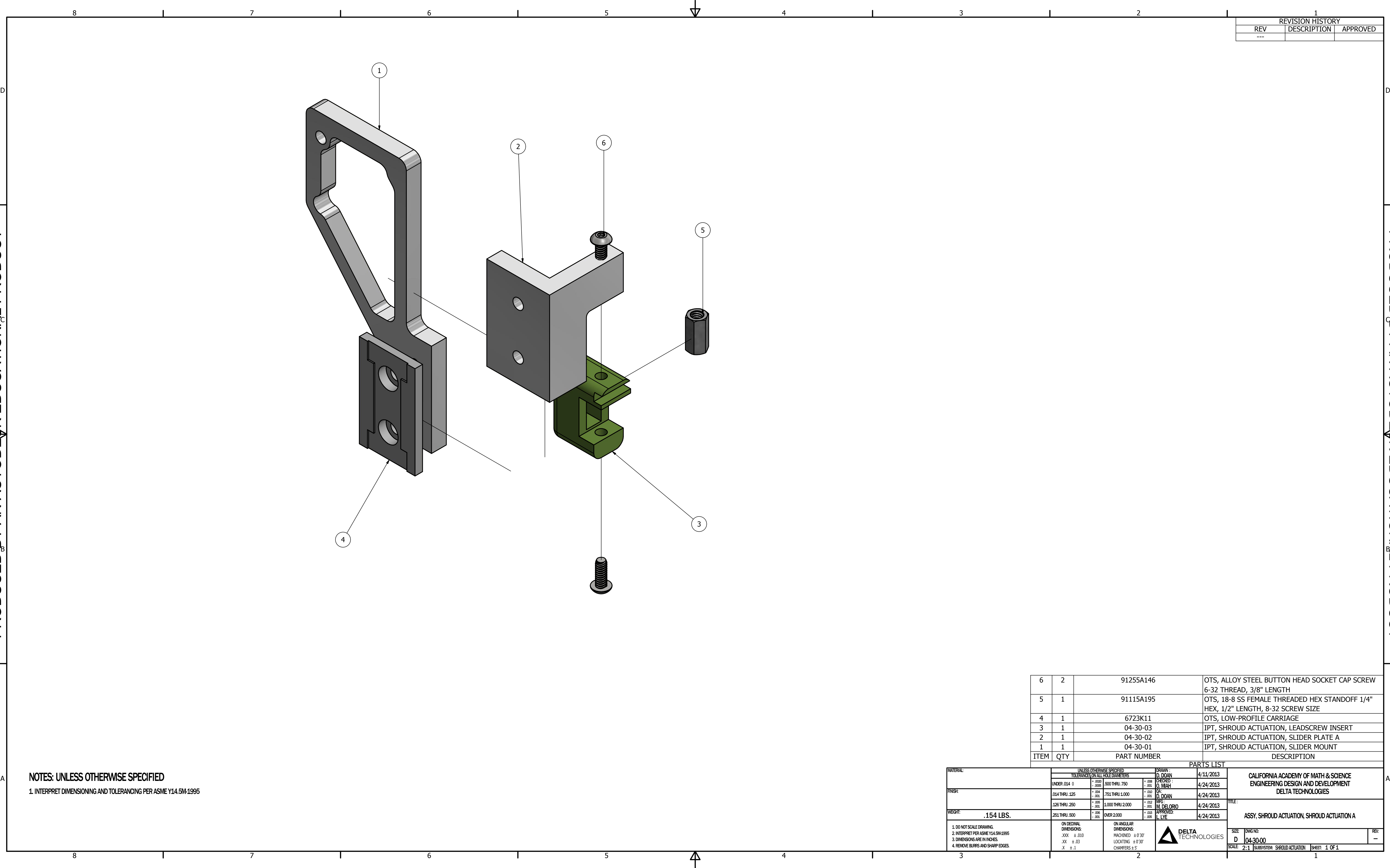


NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

SOURCE CONTROL DRAWING

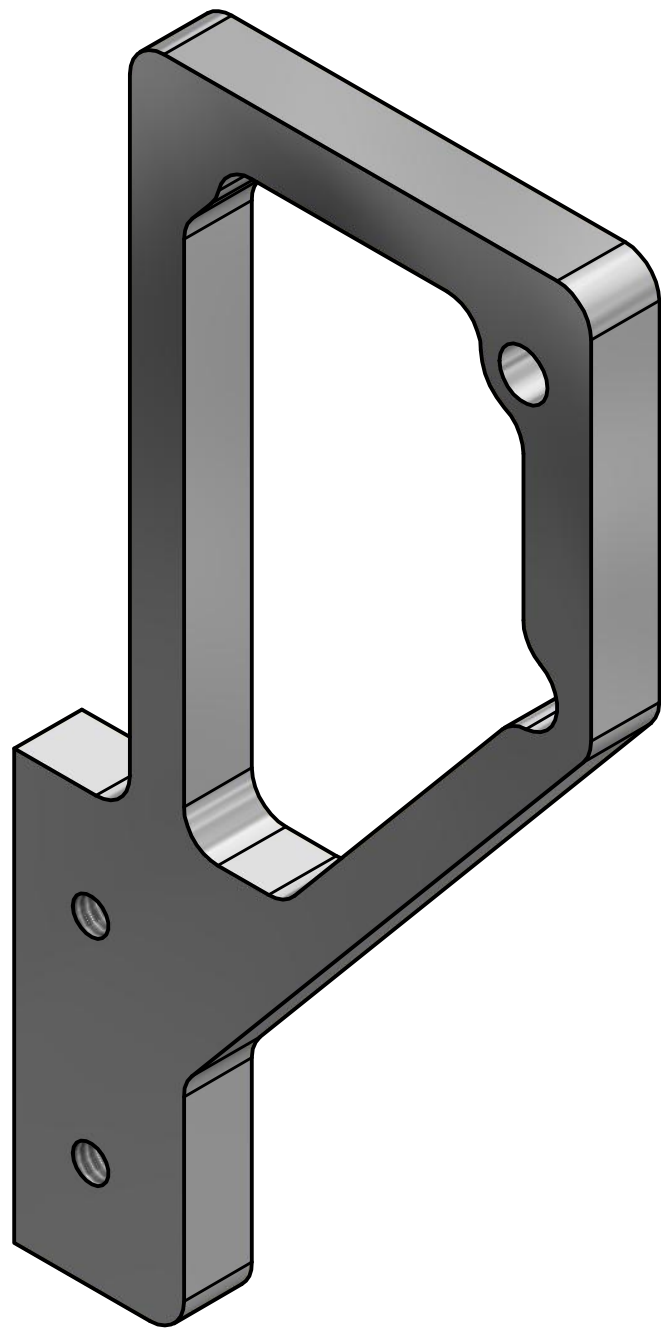
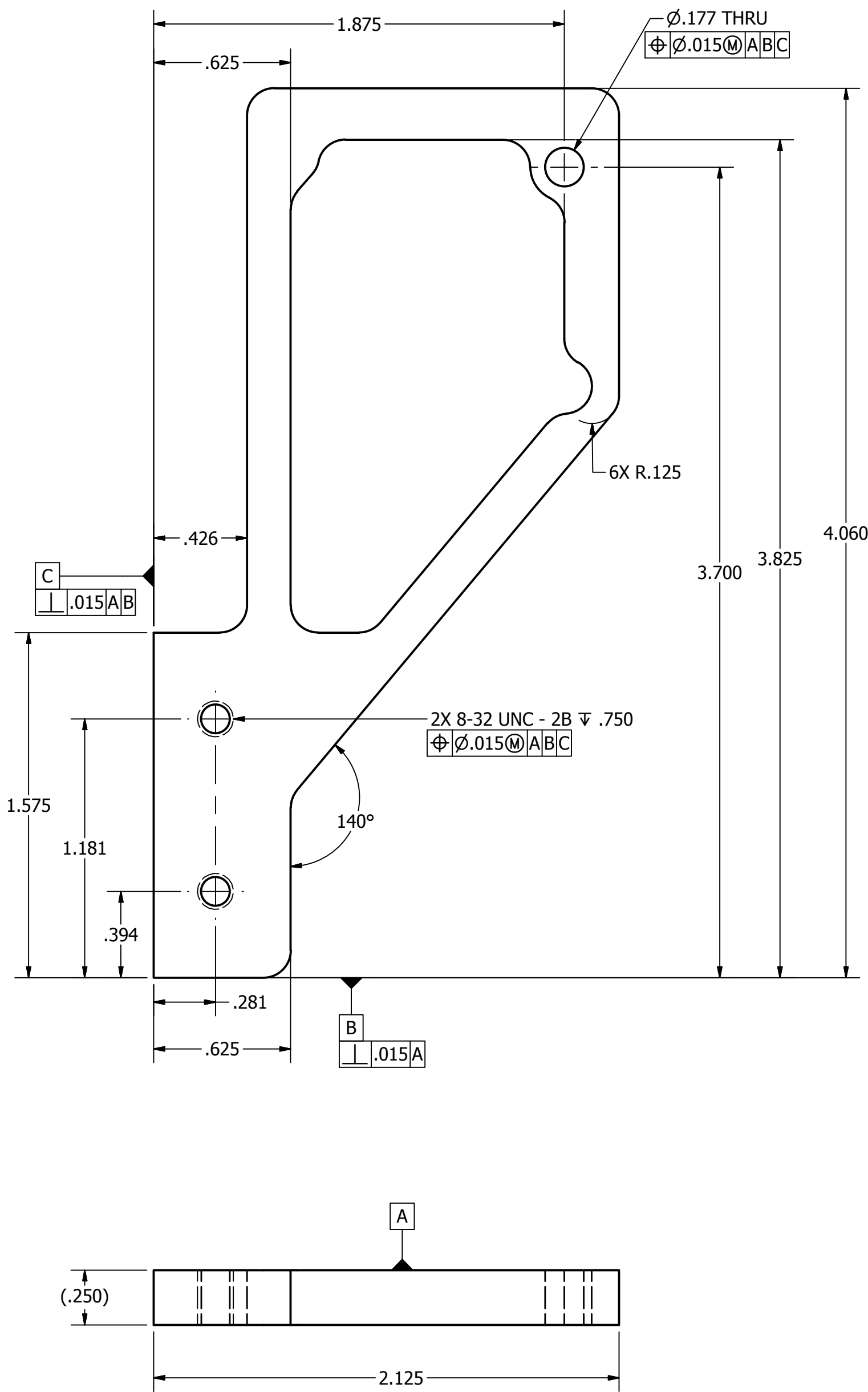
4	2	6723K11	CARRIAGE	
ITEM	QTY	PART NUMBER	DESCRIPTION	SPECIFICATION
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		DRAWN: J. FIGUEROA CHECKED: O. MAH DATE: 4/11/2013
FINISH:		UNDER .014 0 +.000 -.006	500 THRU .750 +.008 -.010	4/24/2013
WEIGHT:		+.004 -.001	.751 THRU 1.000 +.010 -.001	4/24/2013
		+.005 -.001	1.000 THRU 2.000 +.012 -.001	4/24/2013
		+.005 -.001	OVER 2.000 +.015 -.005	4/24/2013
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES.		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5	DELTA TECHNOLOGIES
SCALE: 5:1		SUBSYSTEM ACTUATION		REV: --



NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

6	2	91255A146	OTS, ALLOY STEEL BUTTON HEAD SOCKET CAP SCREW 6-32 THREAD, 3/8" LENGTH
5	1	91115A195	OTS, 18-8 SS FEMALE THREADED HEX STANDOFF 1/4" HEX, 1/2" LENGTH, 8-32 SCREW SIZE
4	1	6723K11	OTS, LOW-PROFILE CARRIAGE
3	1	04-30-03	IPT, SHROUD ACTUATION, LEADSCREW INSERT
2	1	04-30-02	IPT, SHROUD ACTUATION, SLIDER PLATE A
1	1	04-30-01	IPT, SHROUD ACTUATION, SLIDER MOUNT
ITEM	QTY	PART NUMBER	DESCRIPTION

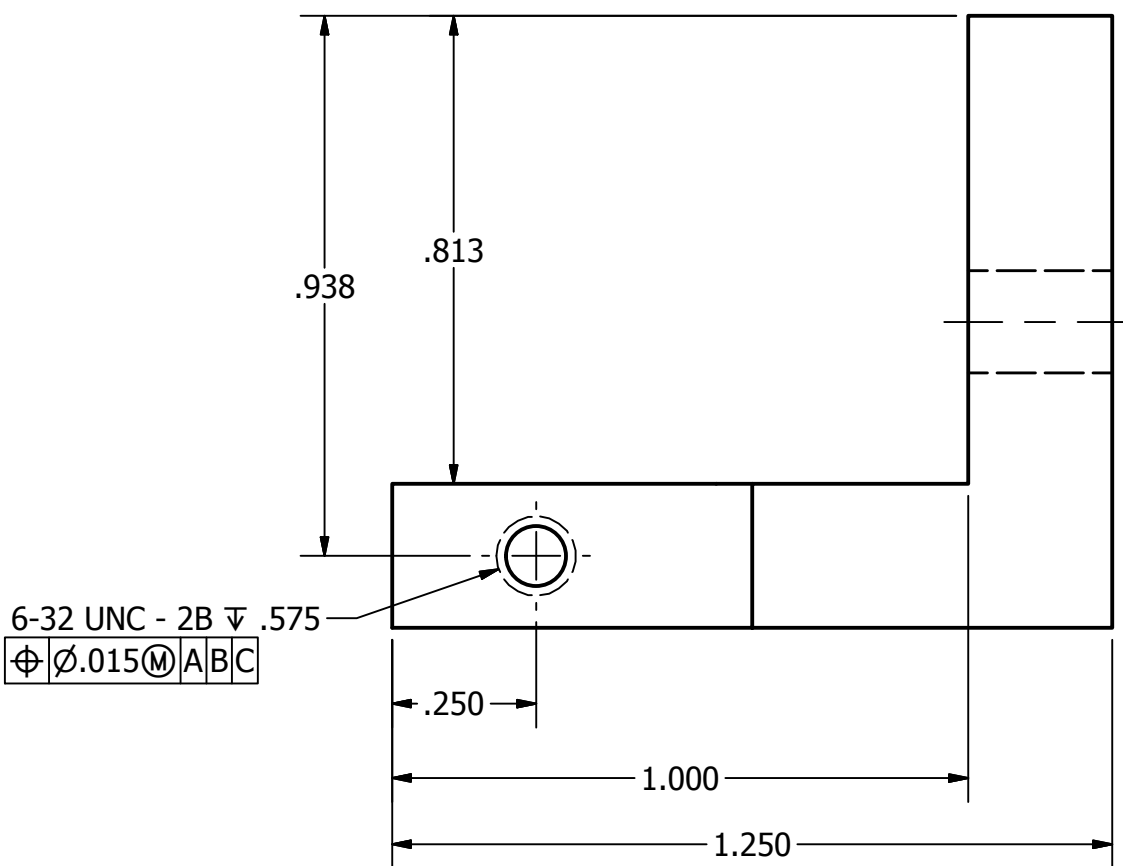
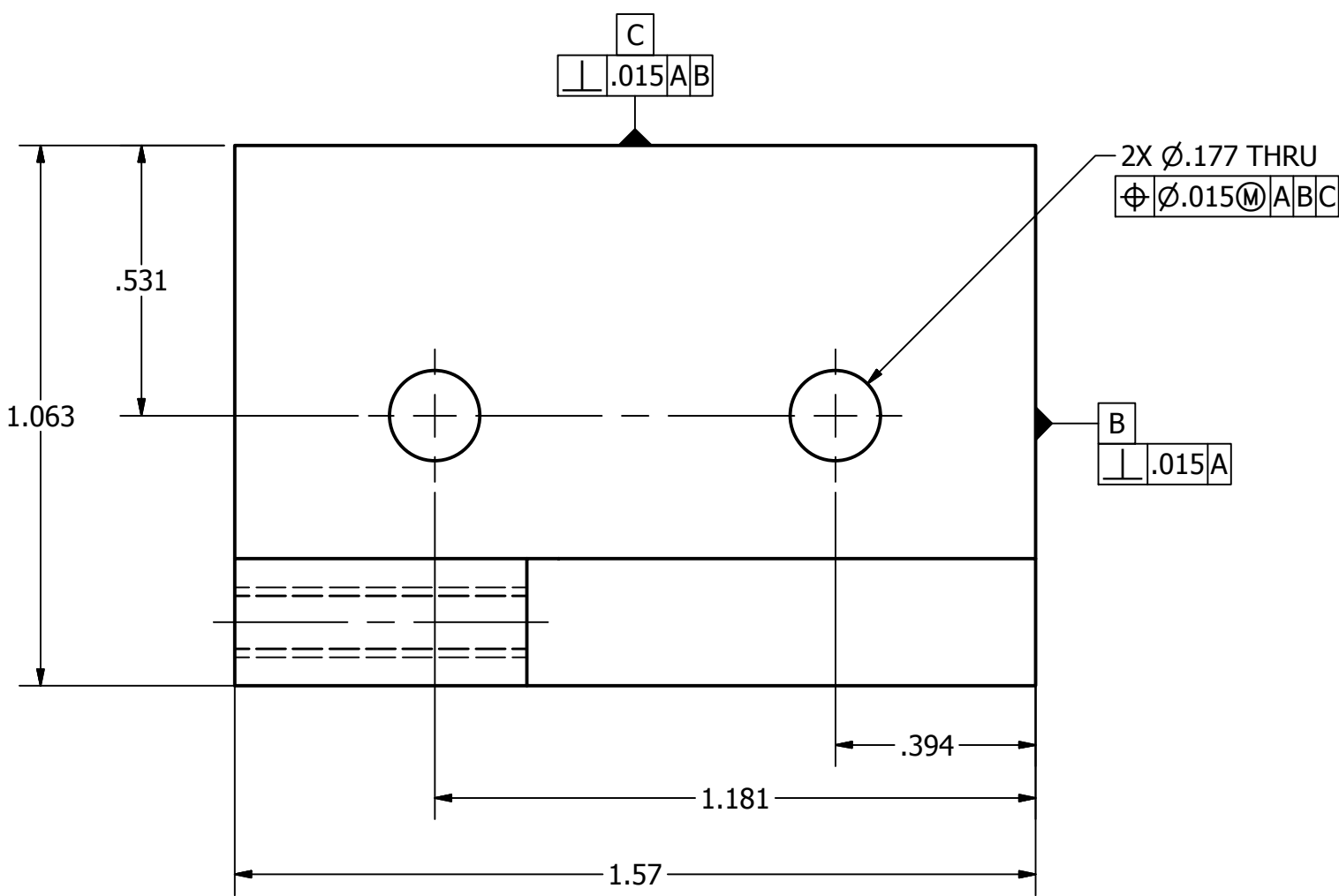
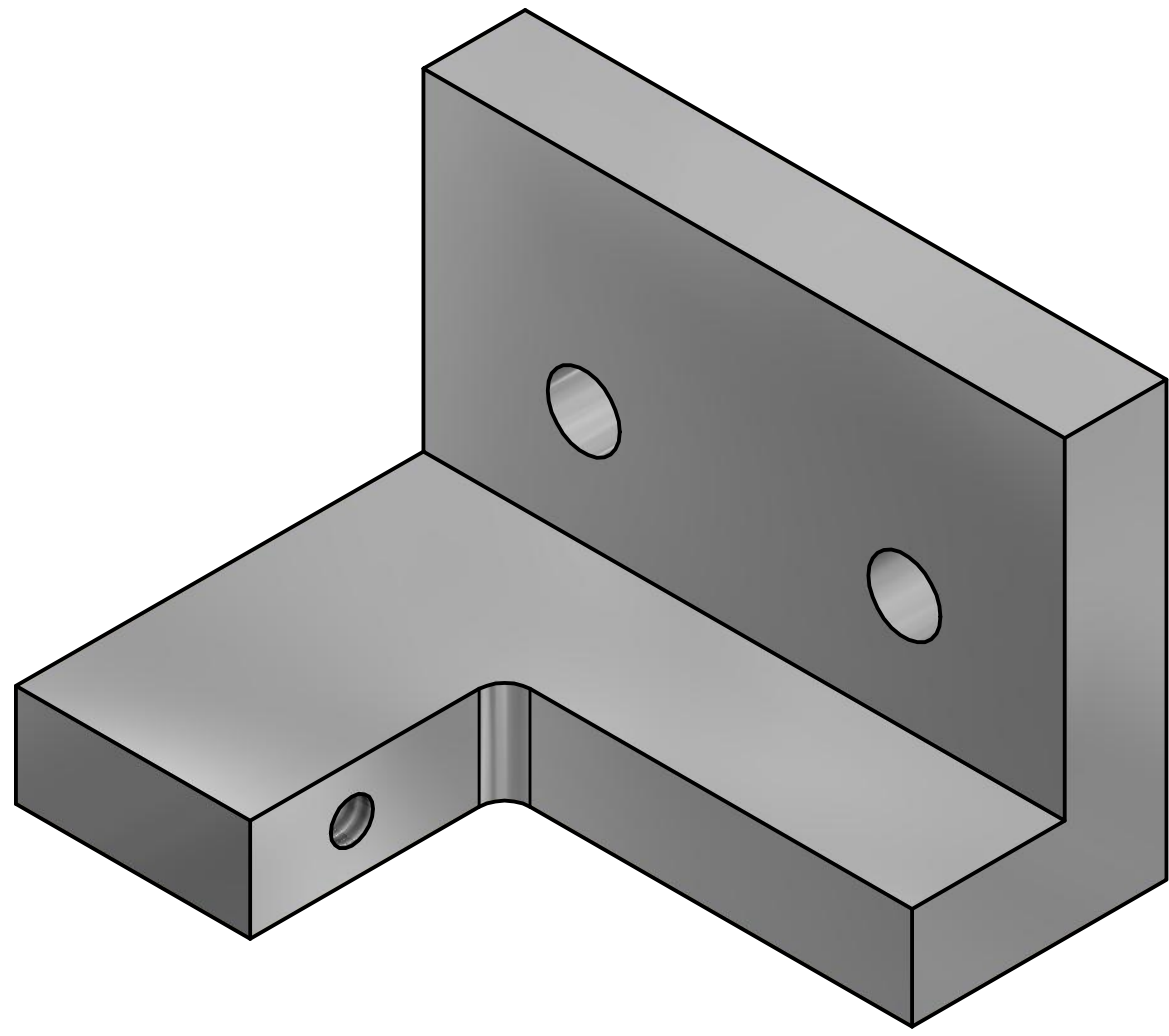
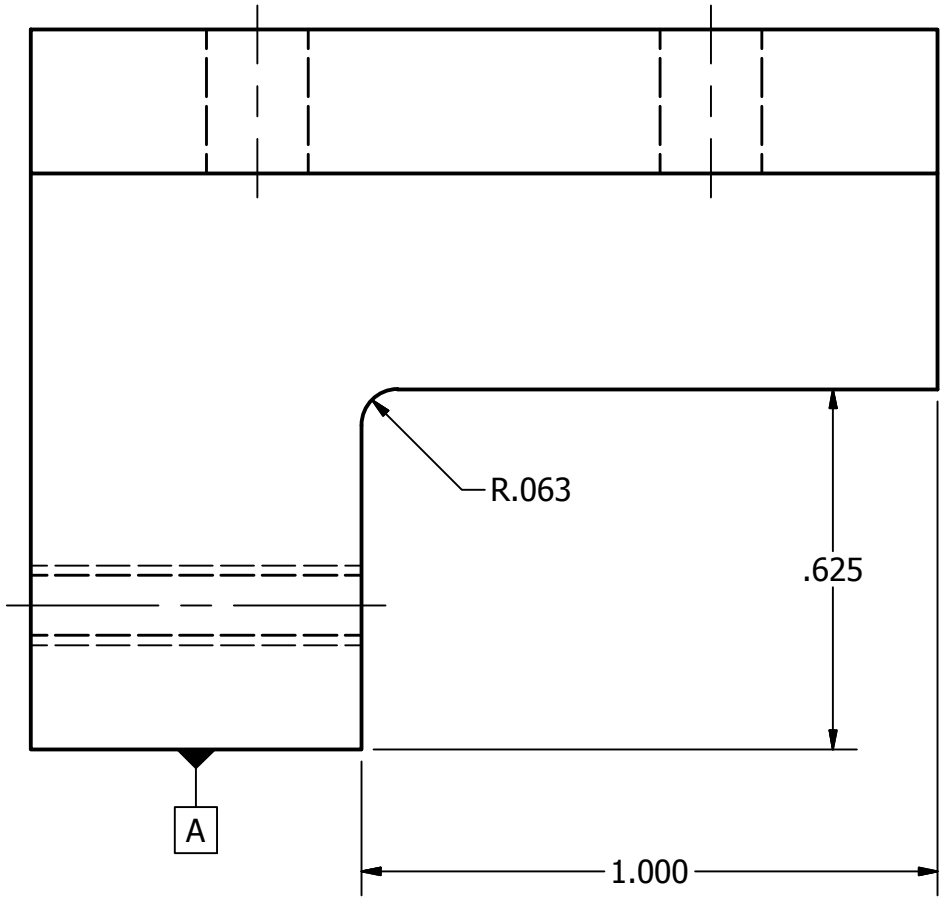
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS				DRAWN: D. DOAN		4/11/2013		CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES	
		UNDER .014 0				CHECKED: O. MAH		4/24/2013			
FINISH:		.014 THRU .125				.024		4/24/2013		TITLE: ASSY, SHROUD ACTUATION, SHROUD ACTUATION A	
		.126 THRU .250				.024		4/24/2013			
WEIGHT: .154 LBS.		.251 THRU .500				.024		4/24/2013		SCALE: 2:1	
		OVER 2.000				.024		4/24/2013			
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1		ON ANGULAR DIMENSIONS: MACHINED ±0°30' LOCATING ±0°30' CHAMFERS ±5°		 DELTA TECHNOLOGIES		SIZE: DWG NO: D 04-30-00		REV: —	
								SHEET: 1 OF 1			



NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995
2. ALL POCKETS ARE THRU

1	1	04-30-01	SLIDER MOUNT		
ITEM	QTY	PART NUMBER	DESCRIPTION		SPECIFICATION
MATERIAL:		ALUMINUM 6061	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DRAWN: D. DOAN	4/11/2013
FINISH:			UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	CHECKED: O. MAH	4/24/2013
WEIGHT:		.064 LBS.	UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS	DATE: D. DOAN	4/24/2013
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX $\pm$.010 .XX $\pm$.03 .X $\pm$.1	ON ANGULAR DIMENSIONS: MACHINED $\pm$ 0°30' LOCATING $\pm$ 0°30' CHAMFERS $\pm$ 5	INSP: M. DELORIO	4/24/2013
				APPROVED: L. LYE	4/24/2013
				DELTA TECHNOLOGIES	
				SIZE: D DWG NO: 04-30-01	REV: -
				SCALE: 2:1	SUBSYSTEM: SHROUD ACTUATION SHEET: 1 OF 1

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

2	1	04-30-02				SLIDER PLATE A									
ITEM	QTY	PART NUMBER				DESCRIPTION				SPECIFICATION					
MATERIAL:		ALUMINUM 6061				UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL HOLE DIAMETERS		DRAWN: J. FIGUEROA CHECKED: O. MAH DATE: 4/11/2013		CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES					
FINISH:		.004 THRU .125				UNDER .014 0 + .000 - .005		.000 THRU .750 + .008 - .008				DATE: 4/24/2013			
WEIGHT:		.063 LBS.				.004 THRU .125 + .000 - .005		.751 THRU 1.000 + .008 - .008				DATE: 4/24/2013			
						.126 THRU .250 + .000 - .005		1.000 THRU 2.000 + .002 - .002				DATE: 4/24/2013			
						.251 THRU 500 + .000 - .005		OVER 2.000 + .002 - .008		DATE: 4/24/2013					
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES.		ON DECIMAL DIMENSIONS: .XXX ± .010 .XX ± .03 .X ± .1				ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5°				DELTA TECHNOLOGIES		SIZE: DWG NO: D 04-30-02 SCALE: 3:1		REV: —	
										SUBSYSTEM: SHROUD ACTUATION		SHEET: 1 OF 1			



DELTA
TECHNOLOGIES



DELTA
TECHNOLOGIES

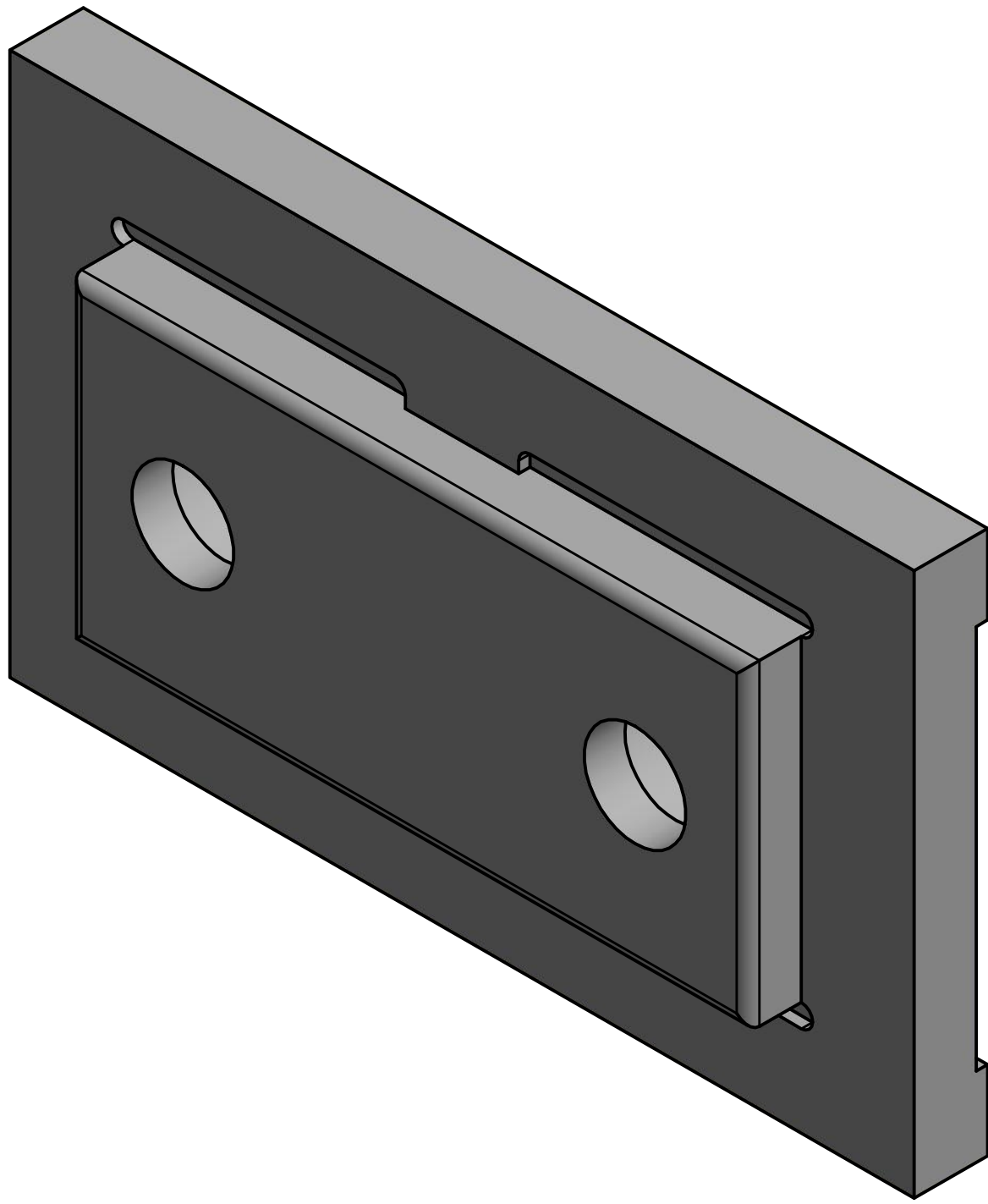
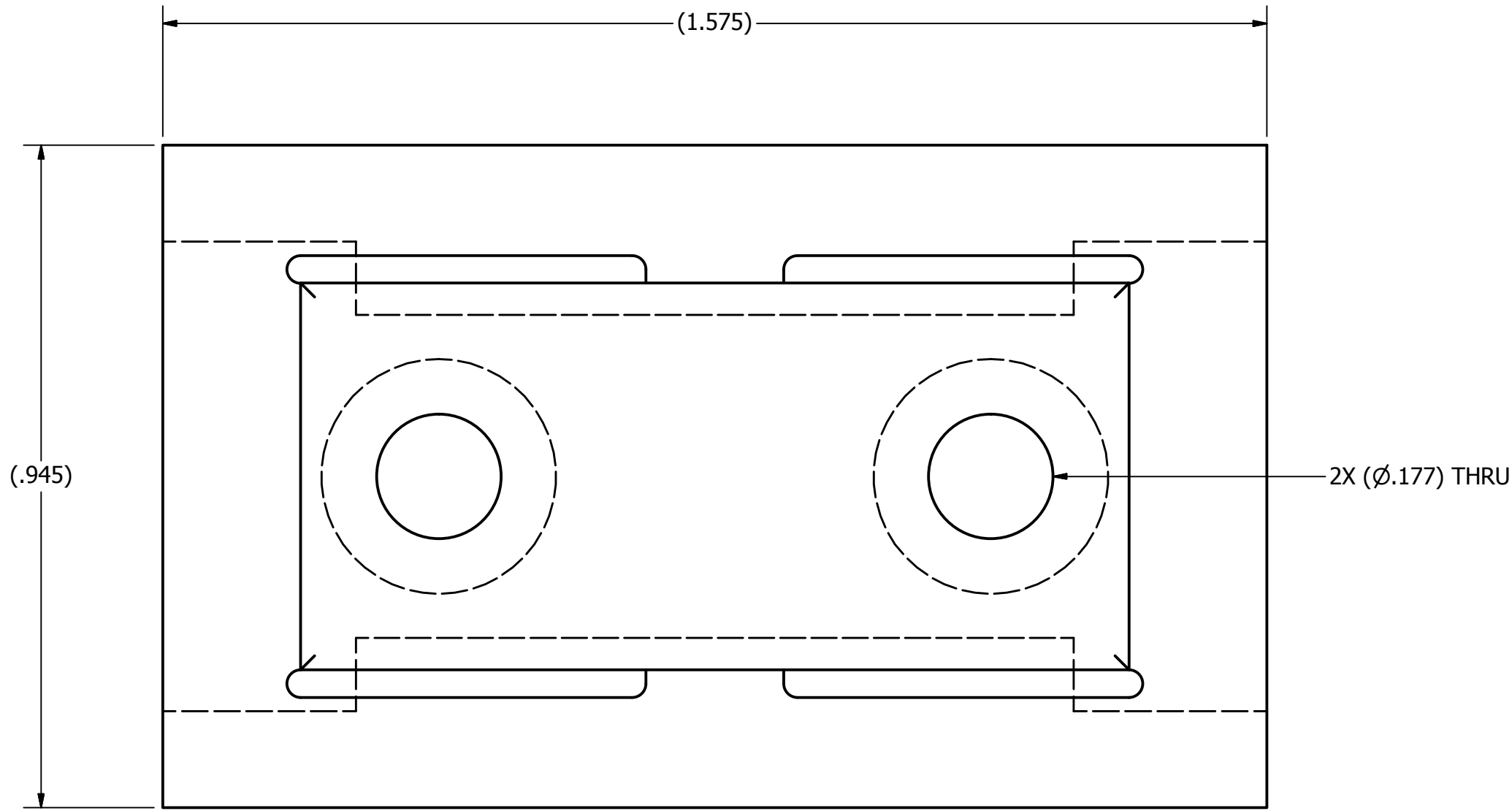
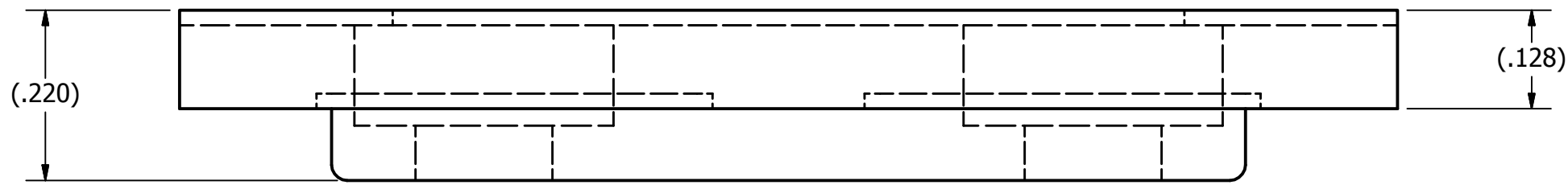
- 
- DELTA**
TECHNOLOGIES



DELTA
TECHNOLOGIES

SUGGESTED SOURCE OF SUPPLY		
CAGE	PART NO.	NAME + ADDRESS
N/A	6723K11	McMaster-Carr 9630 Norwalk Blvd. Santa Fe Springs, CA 90670 (562) 692-5911 la.sales@mcmaster.com

REVISION HISTORY		
REV	DESCRIPTION	APPROVED

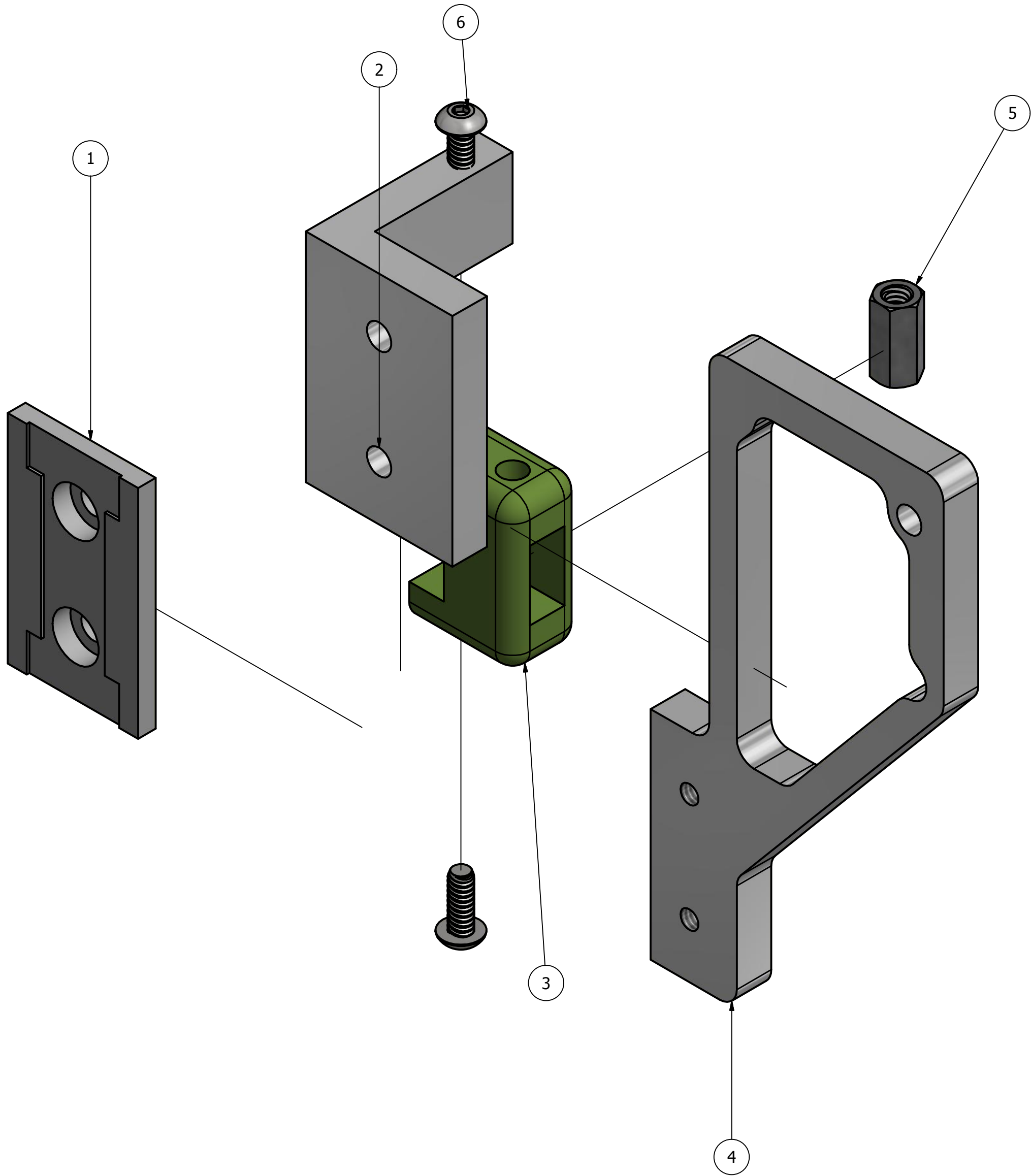


NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

SOURCE CONTROL DRAWING

4	1	6723K11	CARRIAGE	
ITEM	QTY	PART NUMBER	DESCRIPTION	SPECIFICATION
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS		DRAWN: J. FIGUEROA CHECKED: O. MAH DATE: 4/11/2013
FINISH:		UNDER .014 0 +.000 -.006	500 THRU .750 +.008 -.010	4/24/2013
WEIGHT:		.014 THRU .125 +.004 -.001	.751 THRU 1.000 +.010 -.001	4/24/2013
		.126 THRU .250 +.005 -.001	1.000 THRU 2.000 +.012 -.001	4/24/2013
		.251 THRU .500 +.005 -.001	OVER 2.000 +.015 -.005	4/24/2013
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES.		ON DECIMAL DIMENSIONS .XXX ±.010 .XX ±.03 .X ±.1	ON ANGULAR DIMENSIONS MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5	DELTA TECHNOLOGIES TITLE: OTS, SHROUD ACTUATION, LOW-PROFILE CARRIAGE SCALE: 5:1 SUBSYSTEM: SHROUD ACTUATION SHEET: 1 OF 1

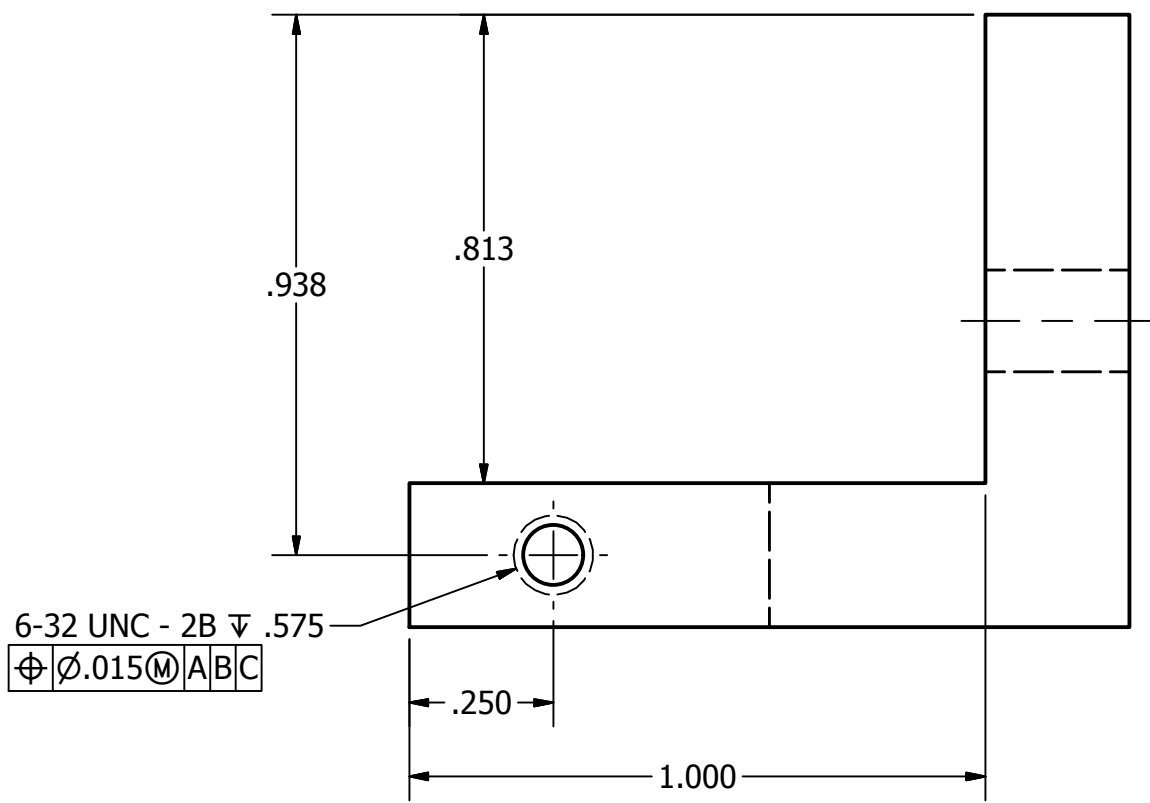
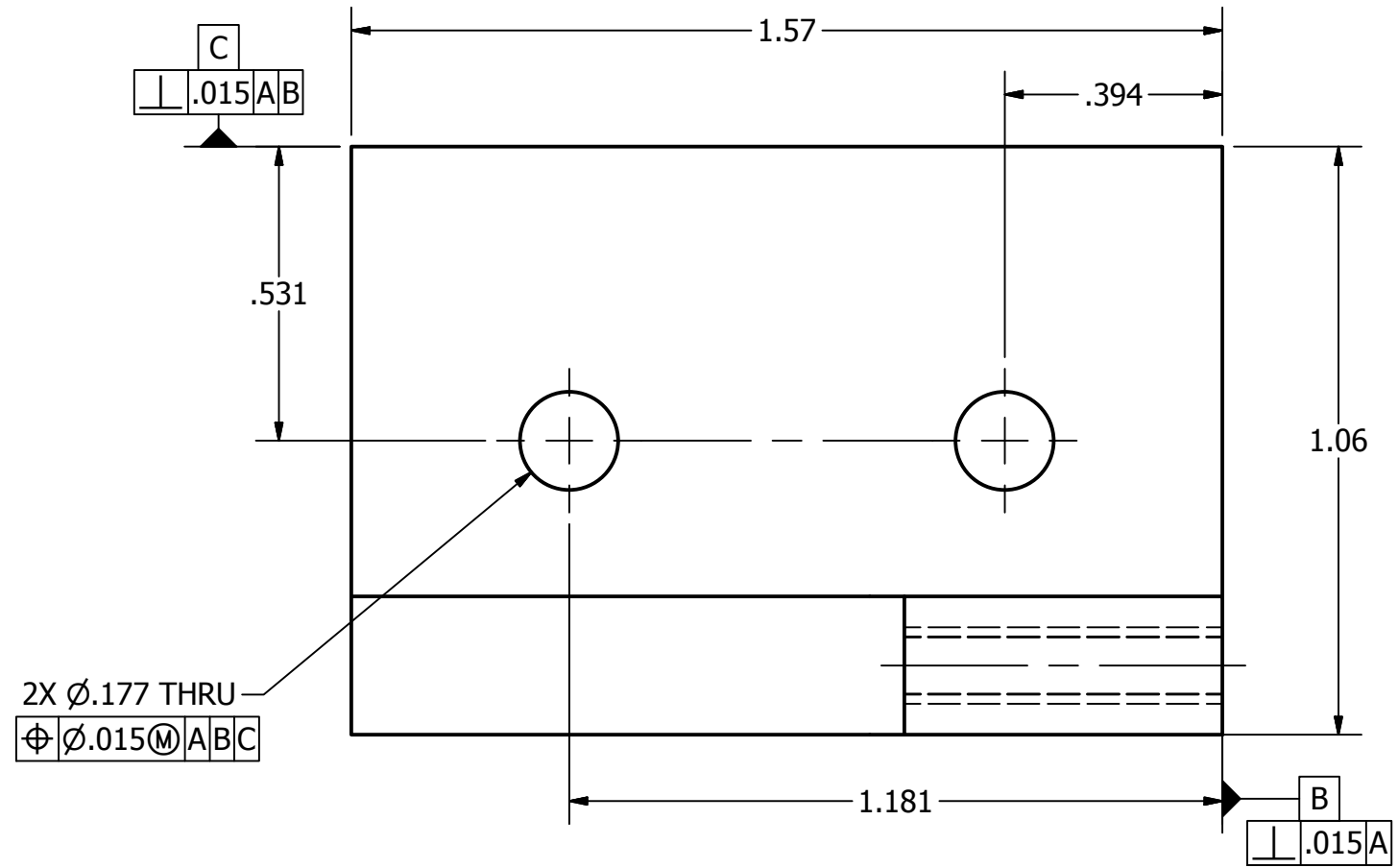
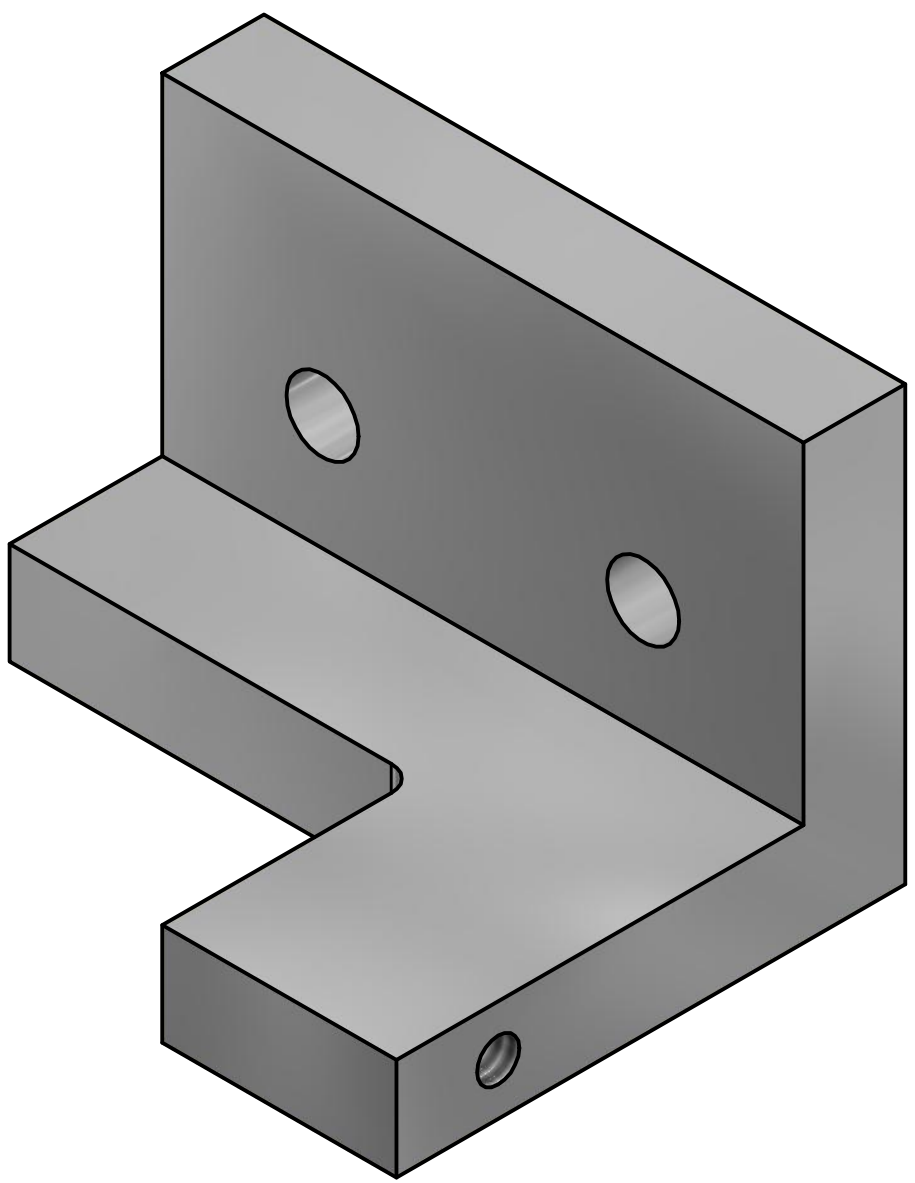
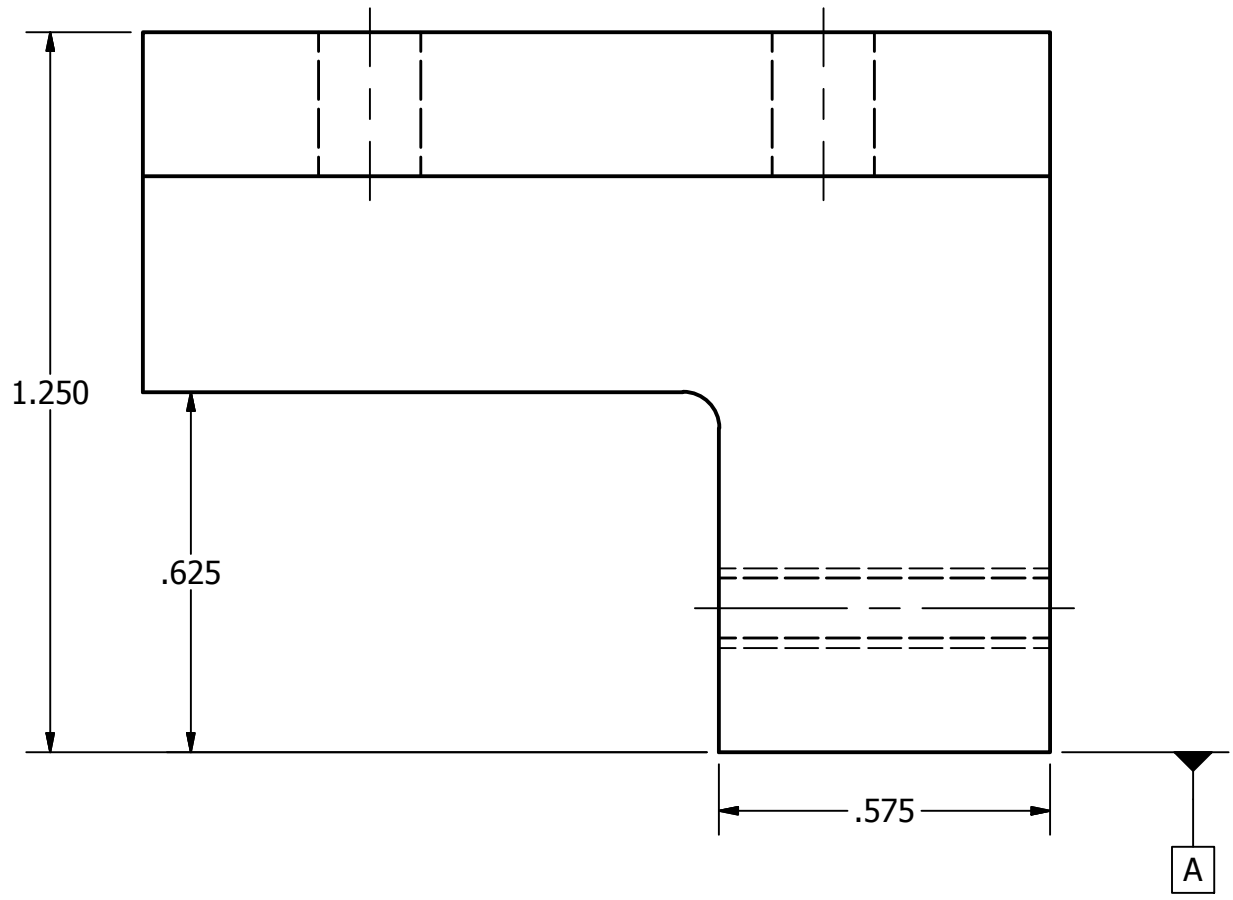


NOTES: UNLESS OTHERWISE SPECIFIED
1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

6	2	91255A146	OTS, ALLOY STEEL BUTTON HEAD SOCKET CAP SCREW 6-32 THREAD, 3/8" LENGTH
5	1	91115A195	OTS, 18-8 SS FEMALE THREADED HEX STANDOFF 1/4" HEX, 1/2" LENGTH, 8-32 SCREW SIZE
4	1	6723K11	OTS, LOW-PROFILE CARRIAGE
3	1	04-40-03	IPT, SHROUDS ACTUATION, VERTICAL LEADSCREW INSERT
2	1	04-40-02	IPT, SHROUDS ACTUATION, SLIDER PLATE B
1	1	04-40-01	IPT, SHROUDS ACTUATION, SLIDER MOUNT

ITEM	QTY	PART NUMBER	DESCRIPTION
MATERIAL:			
UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS			
		DRAWN: D. DOAN	4/11/2013
		CHECKED: O. MAH	4/24/2013
		QA: D. DOAN	4/24/2013
		INSP: M. DELORIO	4/24/2013
		APPROVED: L. LYE	4/24/2013
		DELTA TECHNOLOGIES	
		CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES	
		TITLE: ASSY, SHROUD ACTUATION, SHROUD ACTUATION B	
		SIZE: DWG NO: REV: D 04-40-00 -	
		SCALE: 2:1 SUBSYSTEM SHROUDS ACTUATION SHEET: 1 OF 1	

REVISION HISTORY		
REV	DESCRIPTION	APPROVED



NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1995

2	1	04-40-02				SLIDER PLATE					
ITEM	QTY	PART NUMBER				DESCRIPTION				SPECIFICATION	
MATERIAL:		UNLESS OTHERWISE SPECIFIED TOLERANCES ON ALL SIZE DIMENSIONS				DRAWN: J. FIGUEROA CHECKED: O. MAH DATE: 4/11/2013		CALIFORNIA ACADEMY OF MATH & SCIENCE ENGINEERING DESIGN AND DEVELOPMENT DELTA TECHNOLOGIES			
ALUMINUM 6061		UNDER .014 0		+ .000 - .006	500 THRU .750		+ .008 - .016				
FINISH:		.014 THRU .125		+ .004 - .001	.751 THRU 1.000		+ .010 - .001				
WEIGHT:		.126 THRU .250		+ .005 - .001	1.000 THRU 2.000		+ .012 - .001				
.063 LBS.		.251 THRU .500		+ .005 - .001	OVER 2.000		+ .015 - .005	DATE: 4/24/2013		TITLE: IPT, SHROUD ACTUATION, SLIDER PLATE B	
1. DO NOT SCALE DRAWING. 2. INTERPRET PER ASME Y14.5M-1995 3. DIMENSIONS ARE IN INCHES. 4. REMOVE BURRS AND SHARP EDGES		ON DECIMAL DIMENSIONS: .XXX ±.010 .XX ±.03 .X ±.1		ON ANGULAR DIMENSIONS: MACHINED ± 0°30' LOCATING ± 0°30' CHAMFERS ± 5°		 DELTA TECHNOLOGIES		SIZE: DWG NO: D 04-40-02		REV: —	
								SCALE: 3:1		SUBSYSTEM: SHROUD ACTUATION SHEET: 1 OF 1	