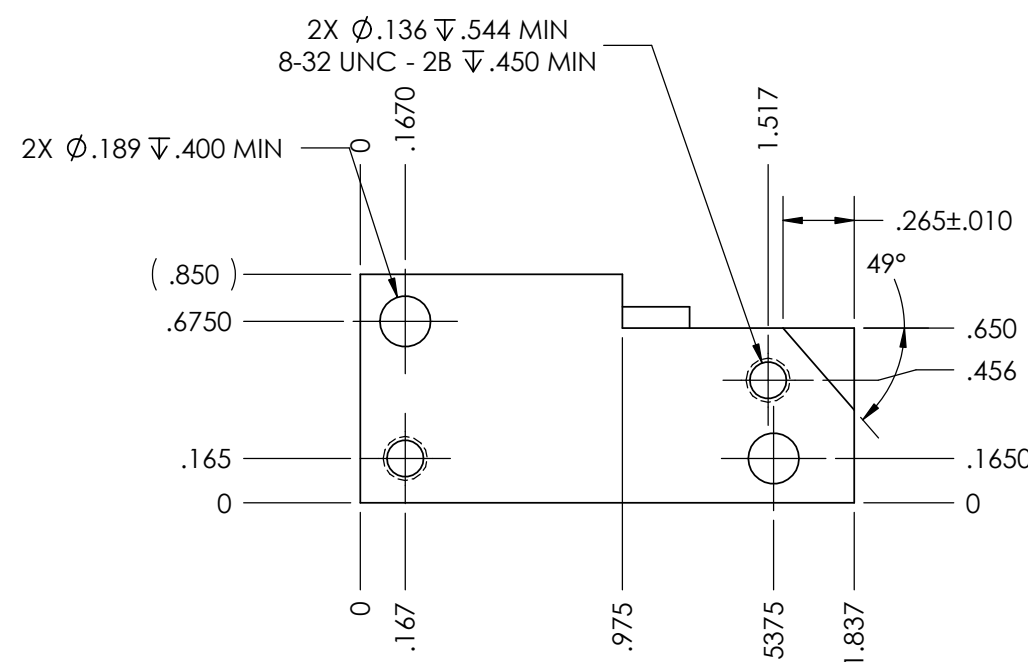
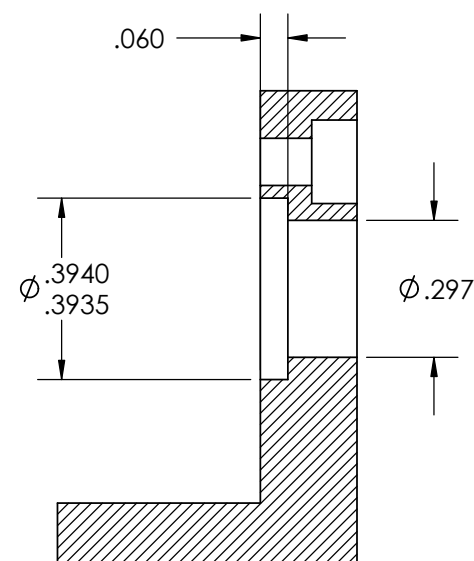
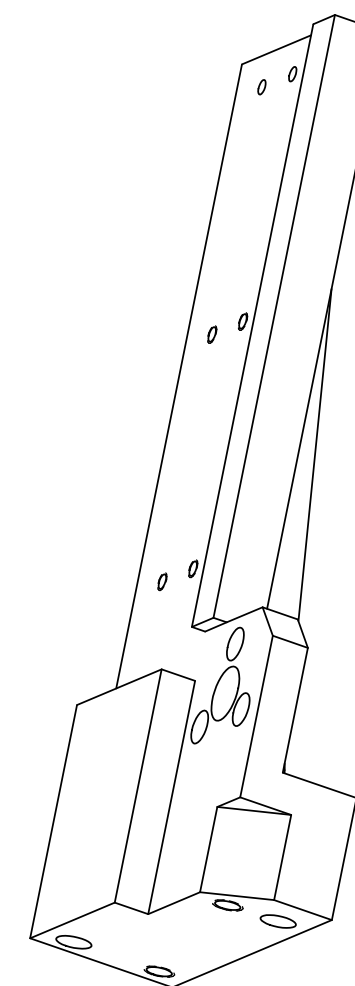
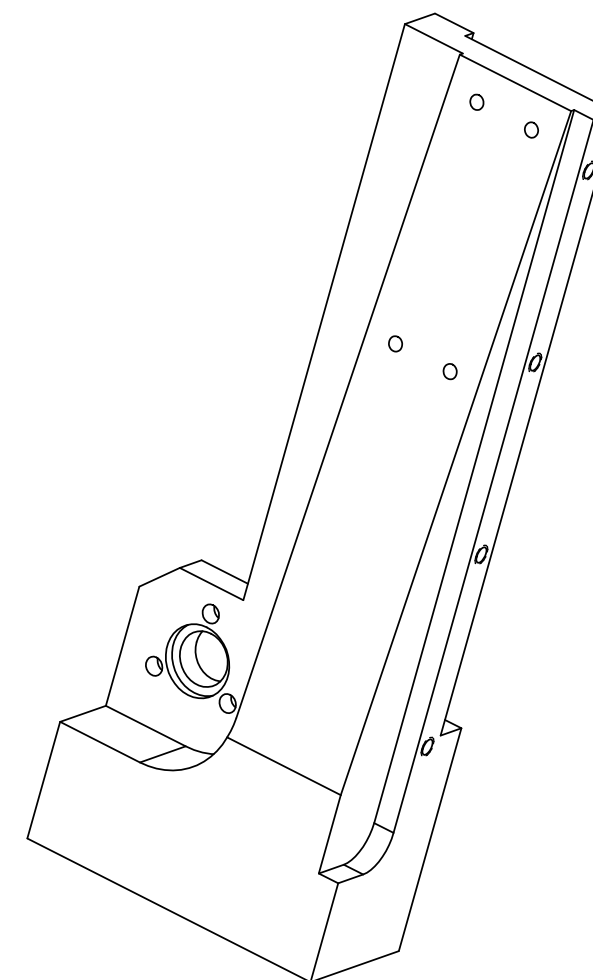
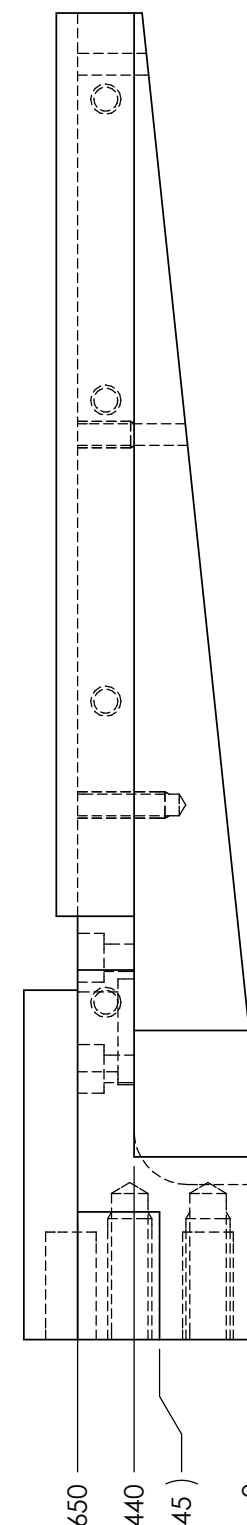
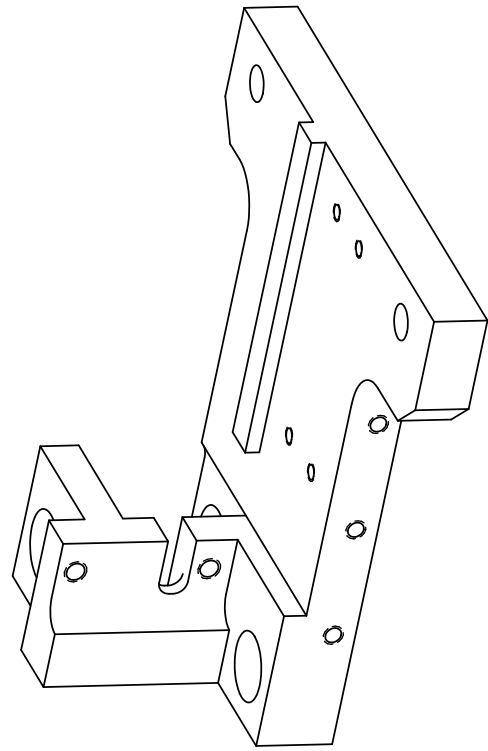




SECTION A-A
(partial)

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
1	1002434-001	elevator motor mount	6061-T6 Aluminum	1
BILL OF MATERIALS				last updated on: Thursday, April 07, 2005 5:01:22 PM
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE ENGINEER Jason Feldman 831-775-1837
Inspector	2 PLACE DIM ±.01	3 PLACE DIM ±.005	4 PLACE DIM ±.0005	ANGLES ±1°
Shop Foreman	1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING 3. REMOVE BURRS & SHARP EDGES .010 MAX 4. MACHINED FILLET RADII .010 TO .020 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005			CHECKED
Engineer				PROJECT NUMBER 701312.00
NEXT ASSY Description	NEXT ASSY Number	6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .001 PER INCH, MAX .010 INCHES FOR SINGLE SURFACE. 7. SURFACE FINISH TO BE .63 MICRON UNLESS OTHERWISE SPECIFIED		
DO NOT SCALE DRAWING		PROJECT ESP 2G		
		CAD FILE: X:\701312 ESP 2G\SolidWorks files\internal structure (1002209)		
		SHEET 2 OF 8		

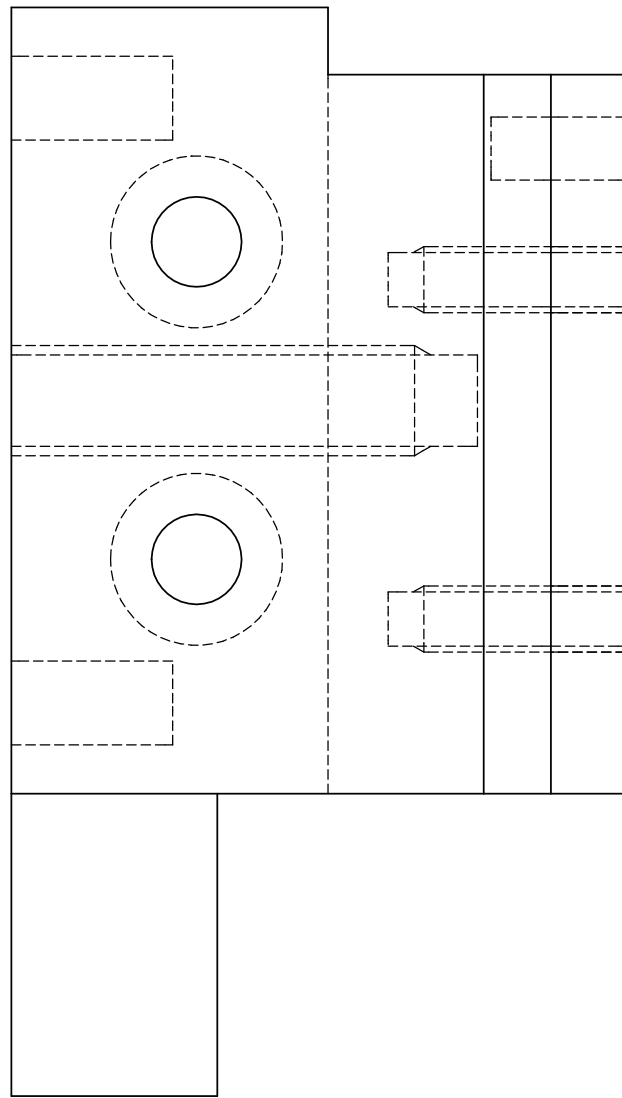
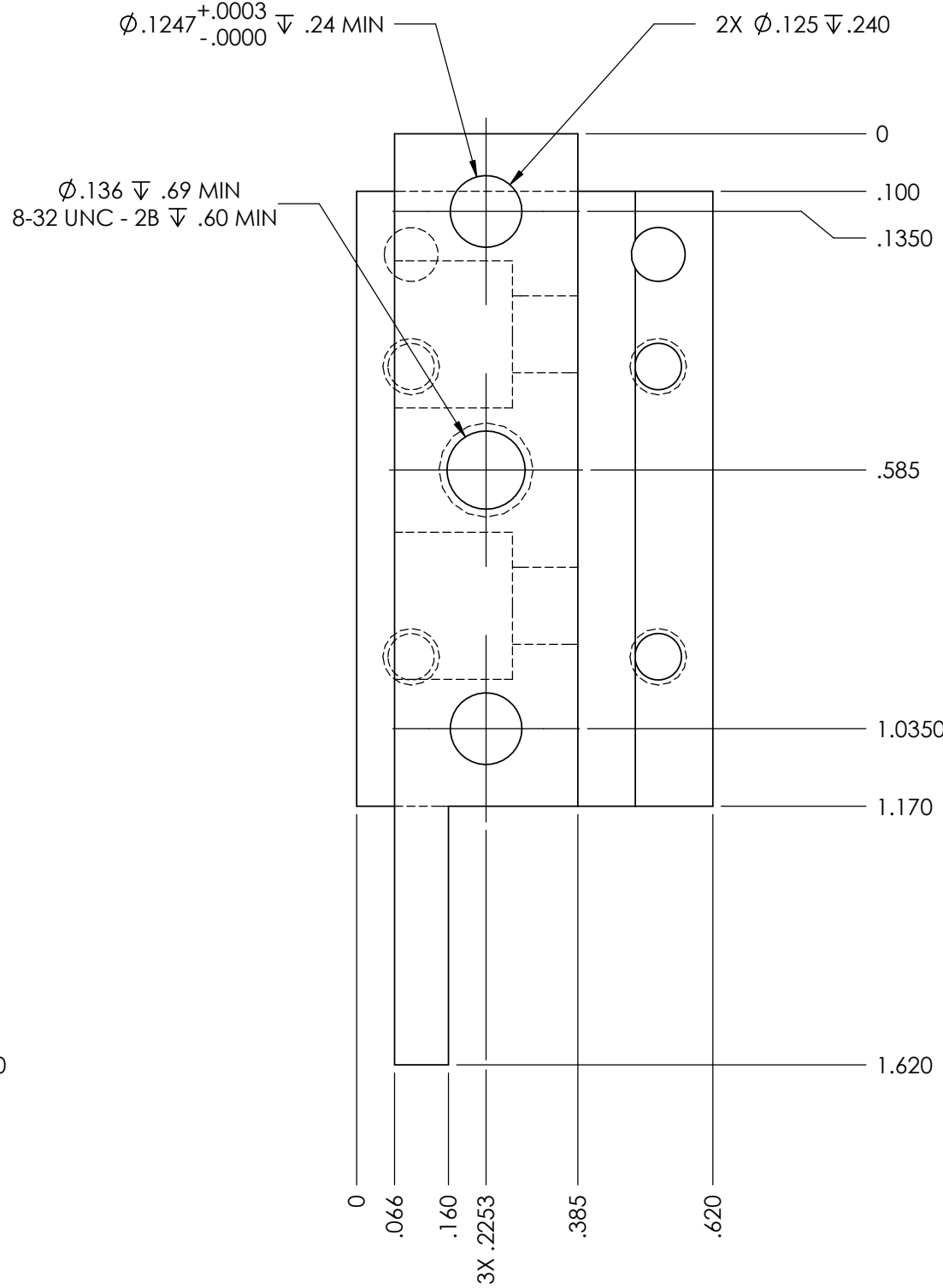
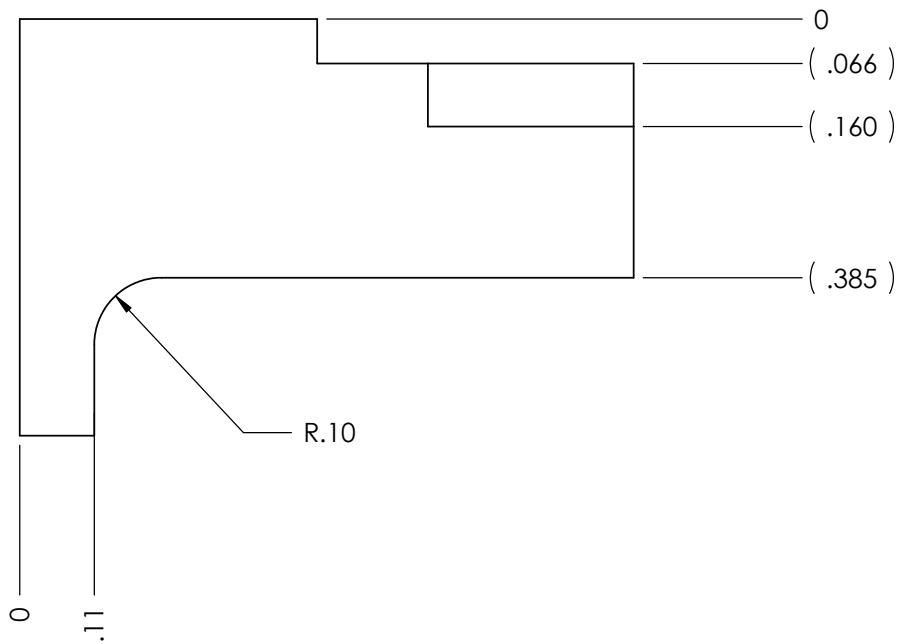
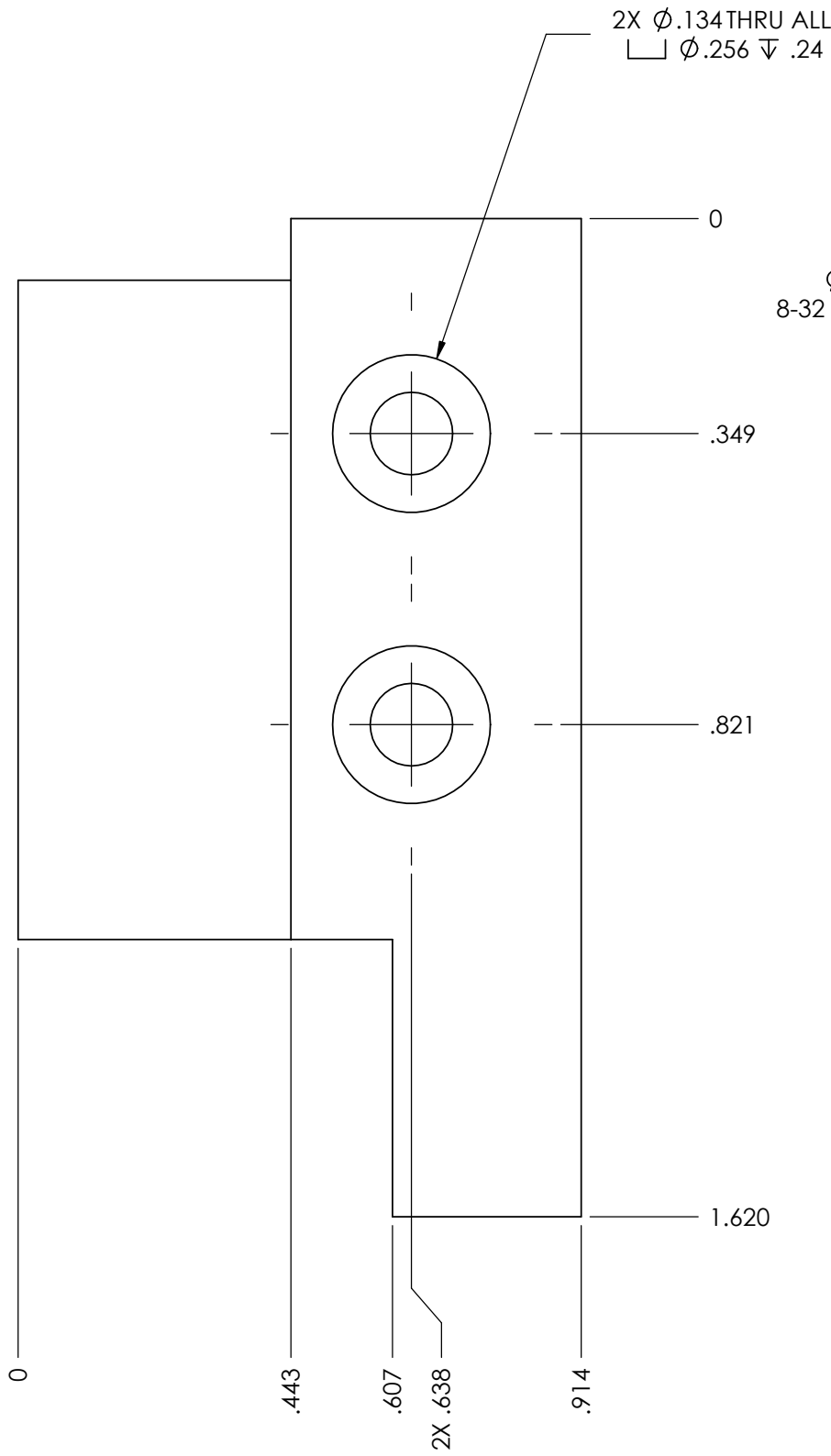
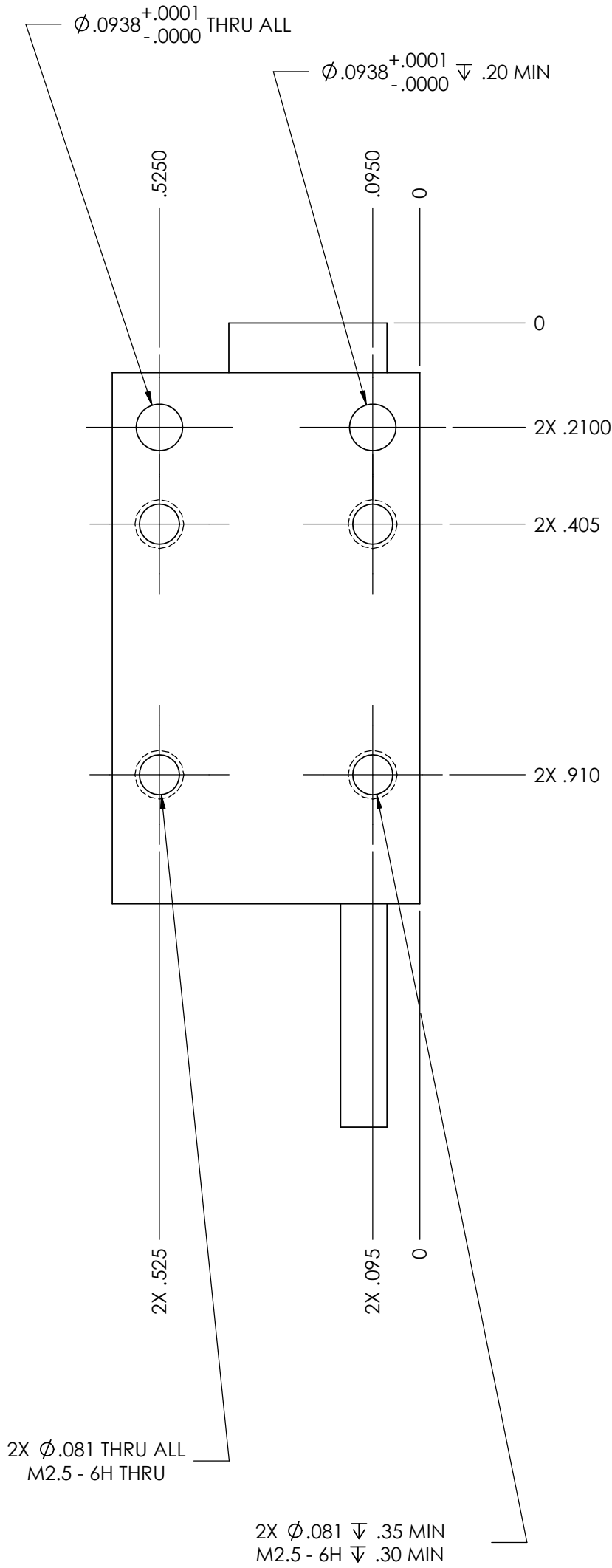
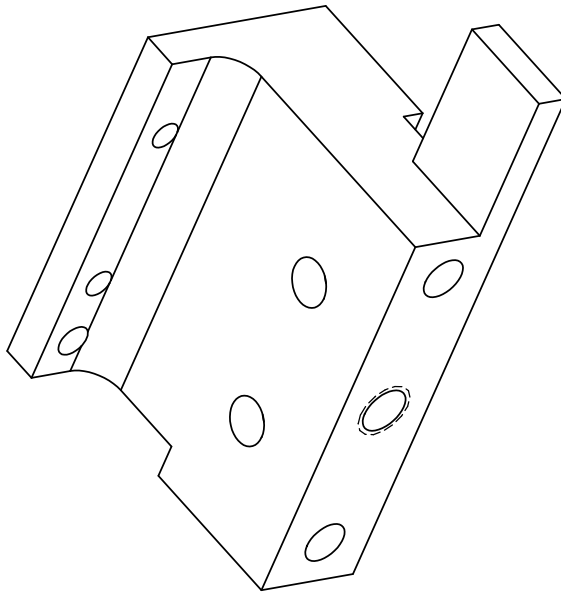
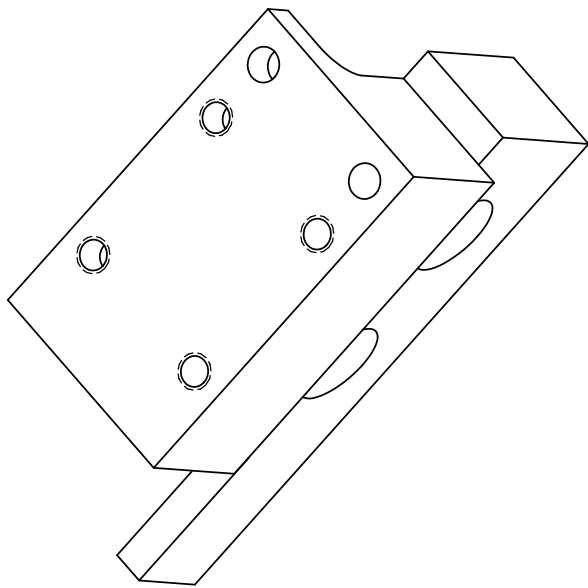
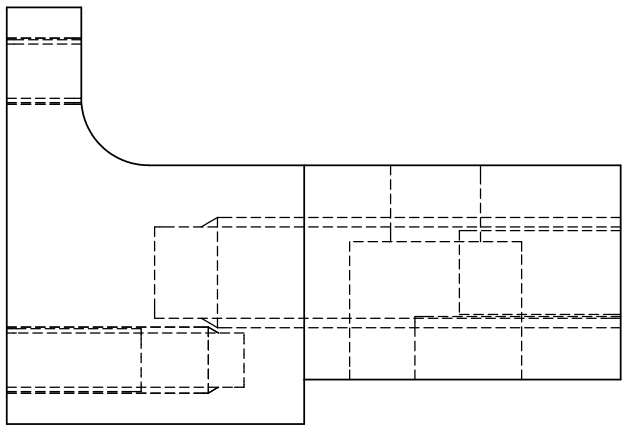
1002434-002
ELEVATOR MOUNT - BOTTOM



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.				
2	1002434-002	Elevator mount - bottom	6061-T6 Aluminum	1				
BILL OF MATERIALS								
Shop / Q.C.			last updated on: Thursday, April 07, 2005 5:01:22 PM					
Inspector Shop Foreman Inspector Next Assy Description Next Assy Number		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: <table><tr><td>2 PLACE DIM ±.01</td><td>3 PLACE DIM ±.005</td><td>4 PLACE DIM ±.0005</td><td>ANGLES ±1°</td></tr></table> 1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING 3. REMOVE BURRS & SHARP EDGES .010 MAX 4. MACHINED FILLET RADII .010 TO .020 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .001 PER INCH, MAX. .010 INCHES FOR SINGLE SURFACE. 7. SURFACE FINISH TO BE 63 MICRON UNLESS OTHERWISE SPECIFIED			2 PLACE DIM ±.01	3 PLACE DIM ±.005	4 PLACE DIM ±.0005	ANGLES ±1°
		2 PLACE DIM ±.01	3 PLACE DIM ±.005	4 PLACE DIM ±.0005	ANGLES ±1°			
		APPROVALS DATE ENGINEER Jason Feldman 831-775-1837 CHECKED						
		PROJECT NUMBER 701312.00						
		PROJECT ESP 2G						
CAD FILE: X:\701312 ESP 2G\SolidWorks files\internal structure (1002209)								
Monterey Bay Aquarium Research Institute M B A R I 7700 Sandholdt Road Moss Landing, CA 95039 								
ELEVATOR COMPONENTS <table><tr><td>SIZE</td><td>DWG. NO.</td><td>REV.</td></tr><tr><td>C</td><td>1002434</td><td>C</td></tr></table>			SIZE	DWG. NO.	REV.	C	1002434	C
SIZE	DWG. NO.	REV.						
C	1002434	C						
NOT TO SCALE DRAWING			SHEET 3 OF 8					

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1002434-003
ELEVATOR CAR - BASE



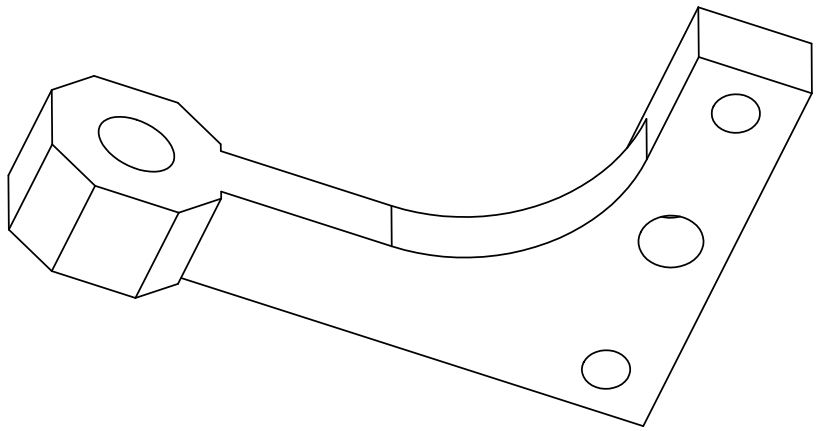
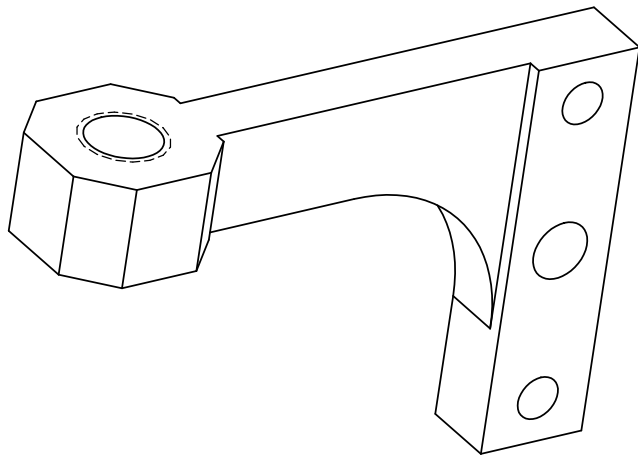
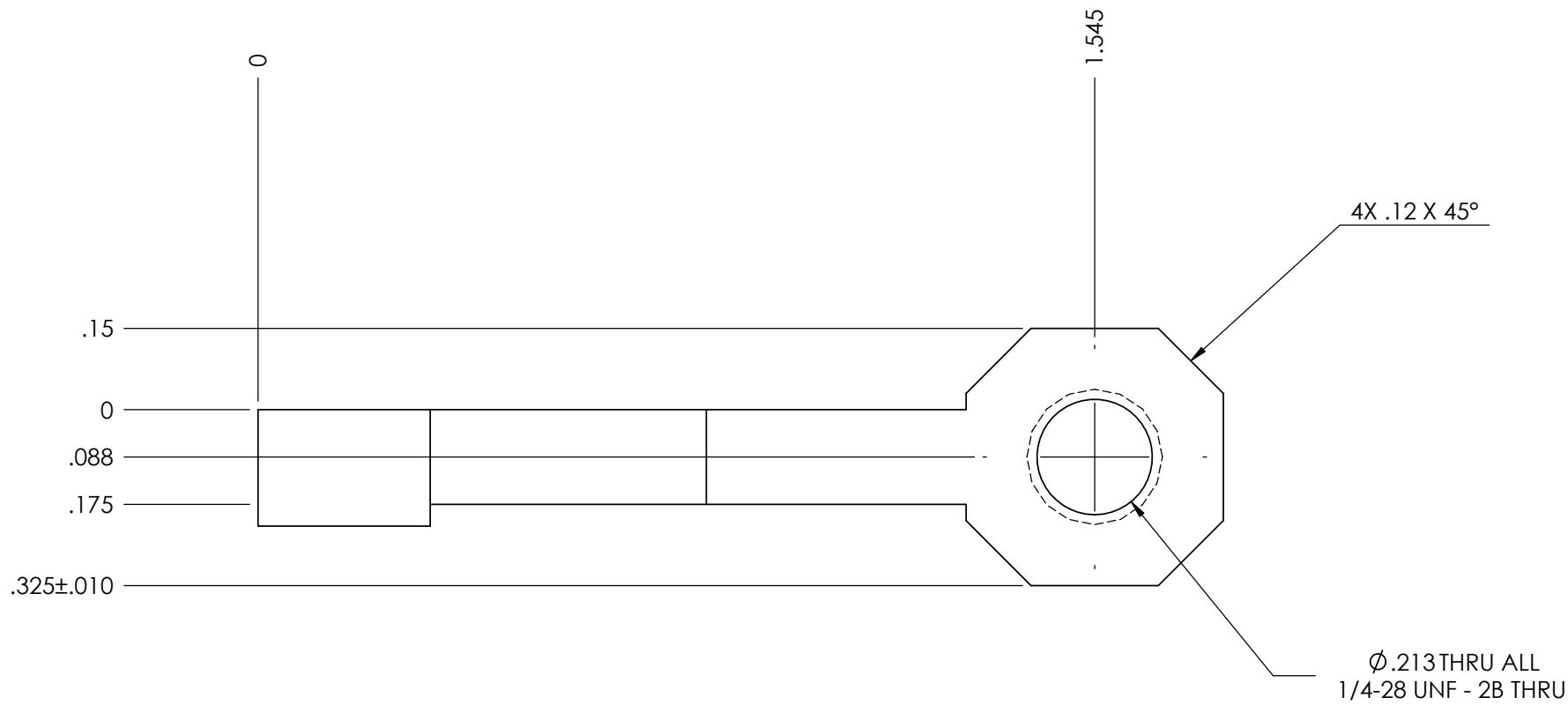
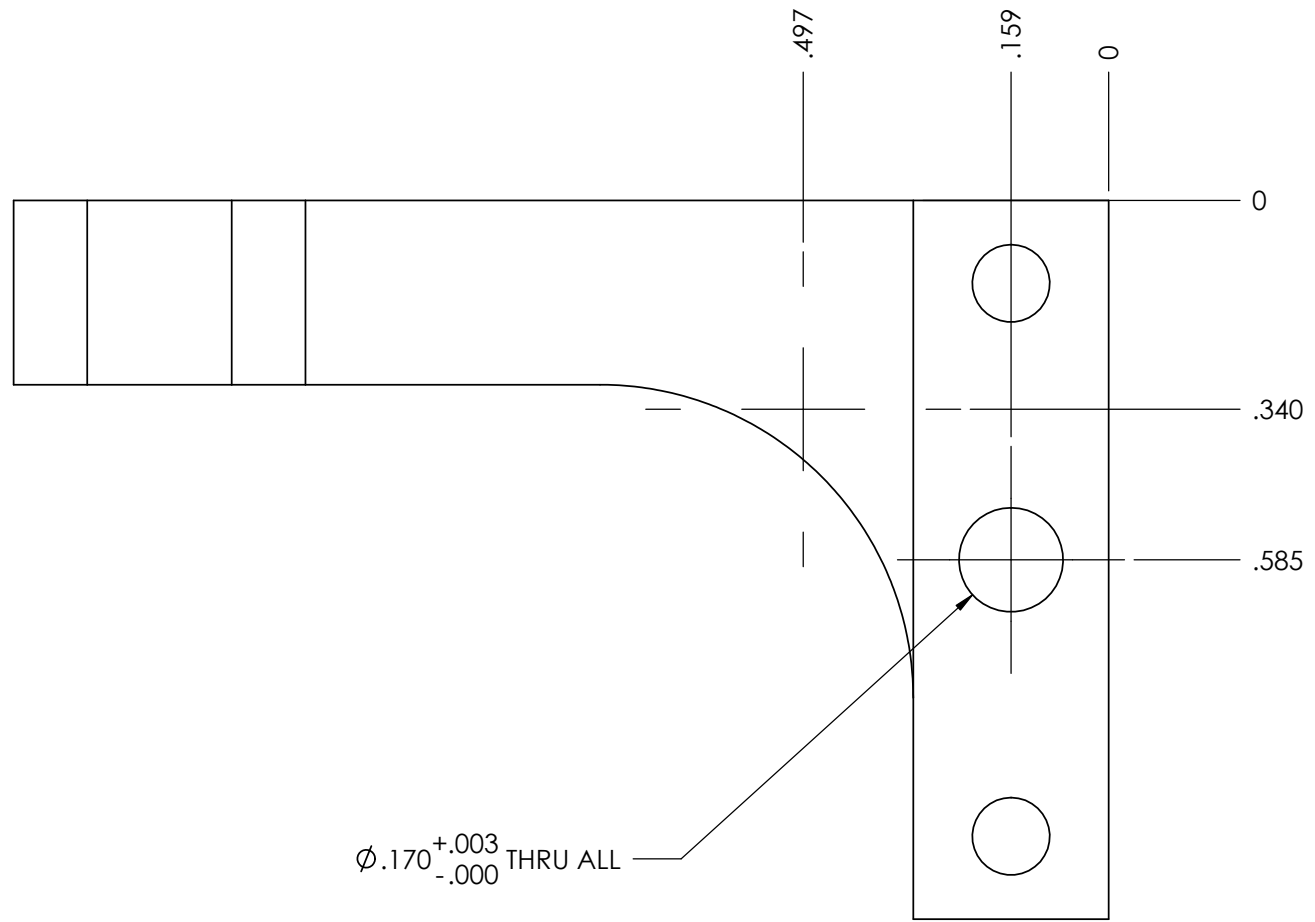
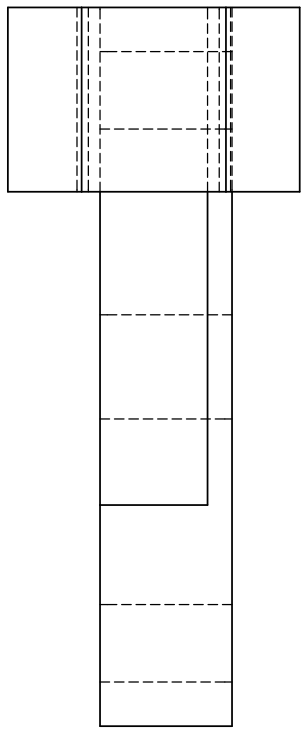
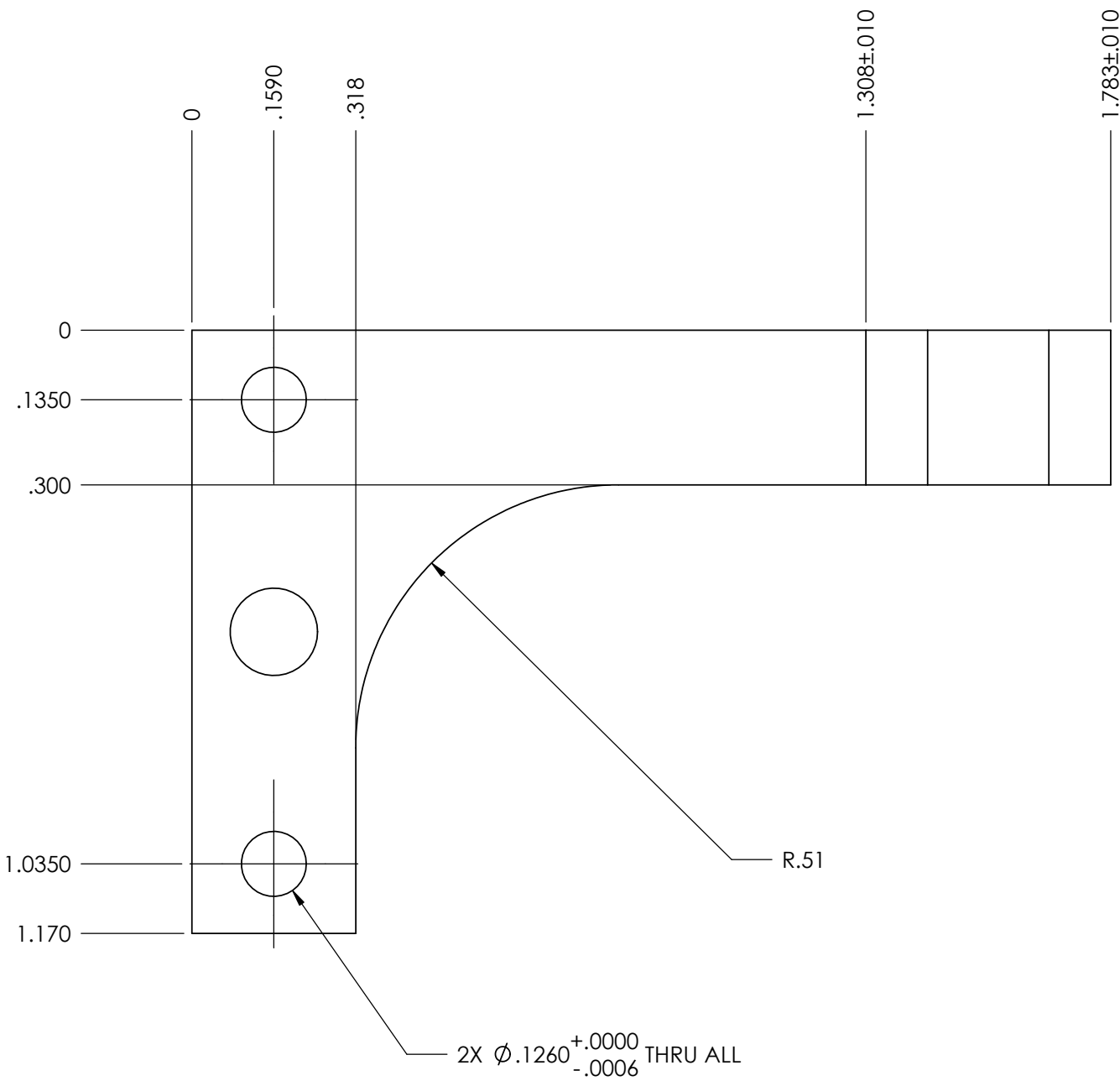
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
3	1002434-003	Elevator car - base	17-4 Stainless Steel	1

BILL OF MATERIALS				last updated on: Thursday, April 07, 2005 5:01:22 PM	
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		2 PLACE DIM $\pm .01$	3 PLACE DIM $\pm .005$	4 PLACE DIM $\pm .0005$	ANGLES $\pm 1^\circ$
Shop Foreman		1. DIMENSIONS ARE IN INCHES		ENGINEER Jason Feldman 831-775-1837	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING		CHECKED	
NEXT ASSY Description		3. REMOVE BURRS & SHARP EDGES .010 MAX		PROJECT NUMBER 701312.00	
NEXT ASSY Number		4. MACHINED FILLET RADII .010 TO .020		PROJECT ESP 2G	
DO NOT SCALE DRAWING		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		SIZE C	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .001 PER INCH. MAX .010 INCHES FOR SINGLE SURFACE.		DWG. NO. 1002434	
		7. SURFACE FINISH TO BE 63 MICRON UNLESS OTHERWISE SPECIFIED		REV. C	
				CAD FILE: X:\701312 ESP 2G\SolidWorks files\internal structure (1002209)	
				SHEET 4 OF 8	



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1002434-004
ELEVATOR CAR - ARM



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
4	1002434-004	Elevator Car - arm	Titanium	1

BILL OF MATERIALS				last updated on: Thursday, April 07, 2005 5:01:22 PM	
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		2 PLACE DIM ±.01	3 PLACE DIM ±.005	4 PLACE DIM ±.0005	ANGLES ±1°
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING 3. REMOVE BURRS & SHARP EDGES .010 MAX 4. MACHINED FILLET RADII .010 TO .020 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		ENGINEER Jason Feldman 831-775-1837	
Engineer		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .001 PER INCH. MAX .010 INCHES FOR SINGLE SURFACE. 7. SURFACE FINISH TO BE 63 MICRON UNLESS OTHERWISE SPECIFIED		CHECKED	
NEXT ASSY Description	NEXT ASSY Number	PROJECT ESP 2G		PROJECT NUMBER 701312.00	
DO NOT SCALE DRAWING		CAD FILE: X:\701312 ESP 2G\SolidWorks files\internal structure (1002209)		SHEET 5 OF 8	

ELEVATOR COMPONENTS			
SIZE C	DWG. NO. 1002434	REV. C	

Monterey Bay Aquarium Research Institute
7700 Sandholdt Road
Moss Landing, CA
95039

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A simple line drawing of a long, thin, cylindrical object, possibly a pen or a pencil, oriented diagonally. It has a textured, possibly eraser-like, tip on the left and a small, rounded cap or eraser on the right.

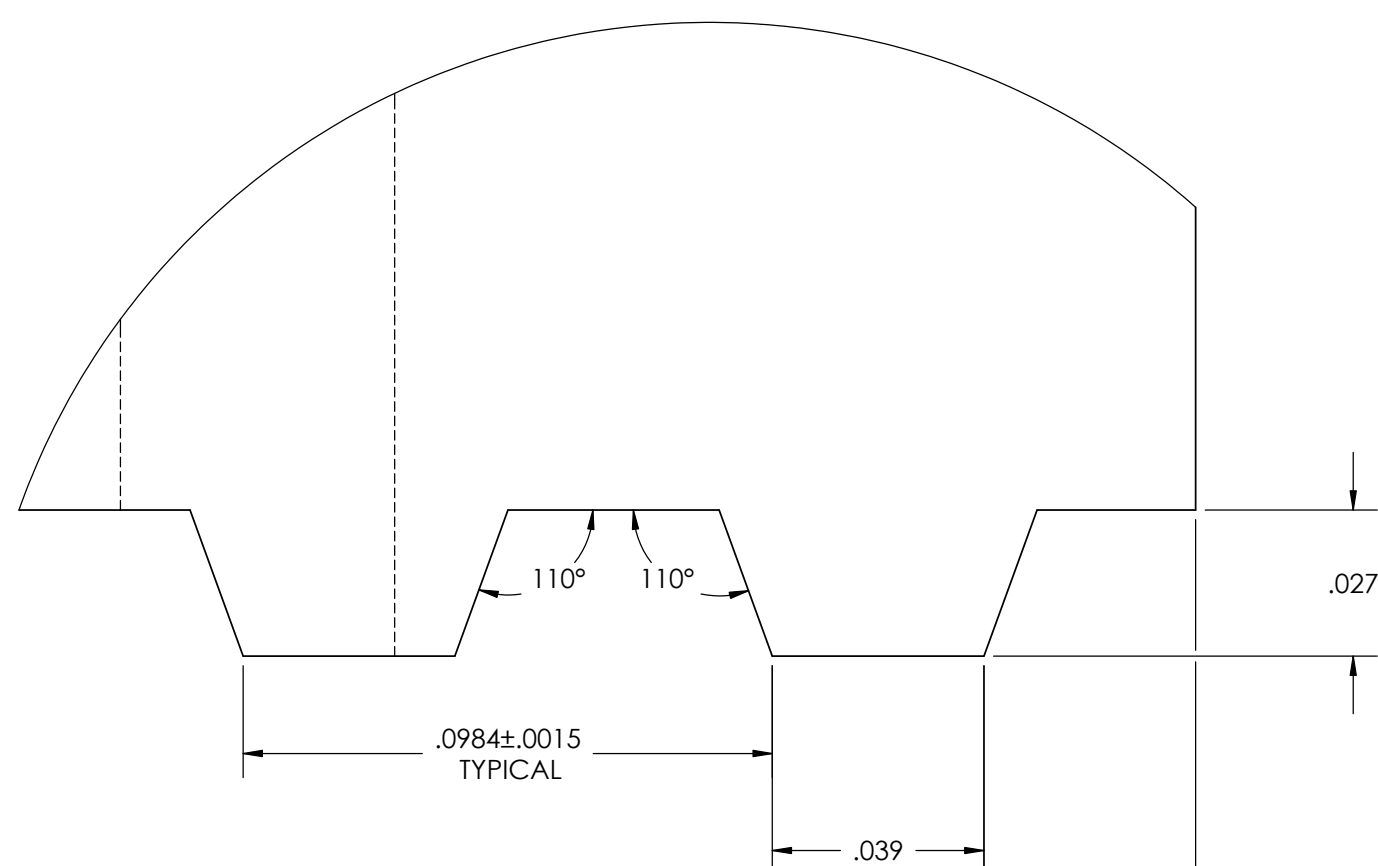
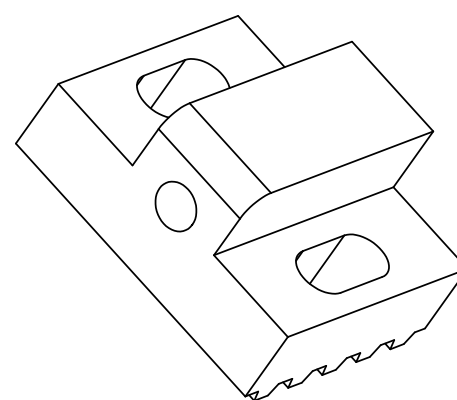
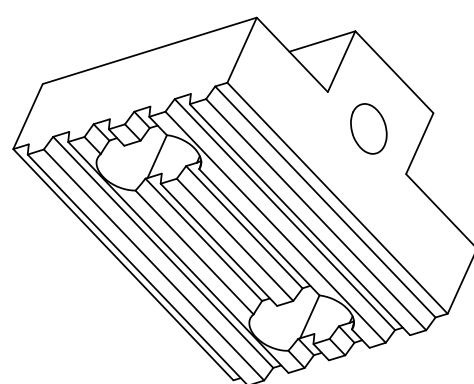
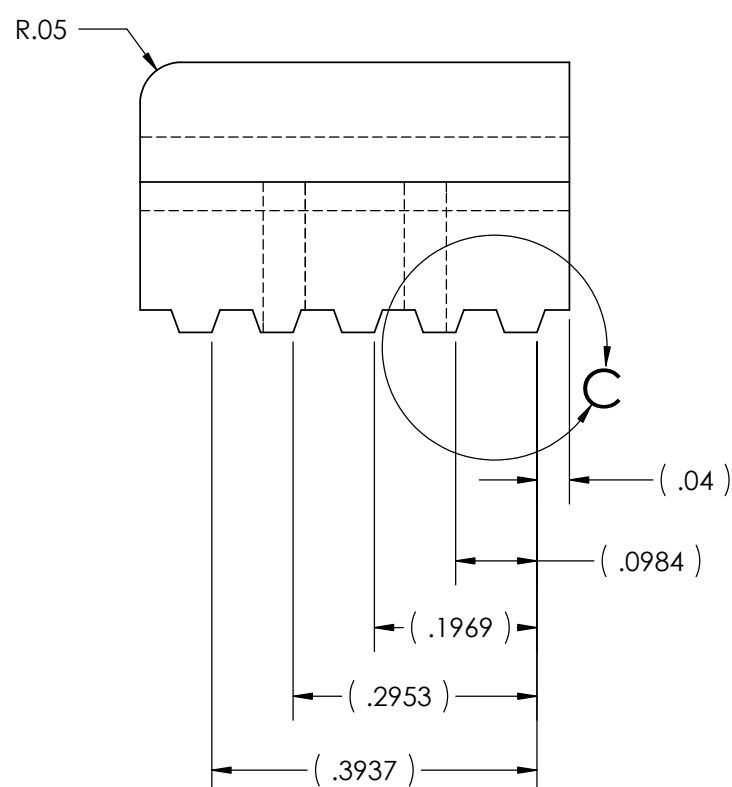
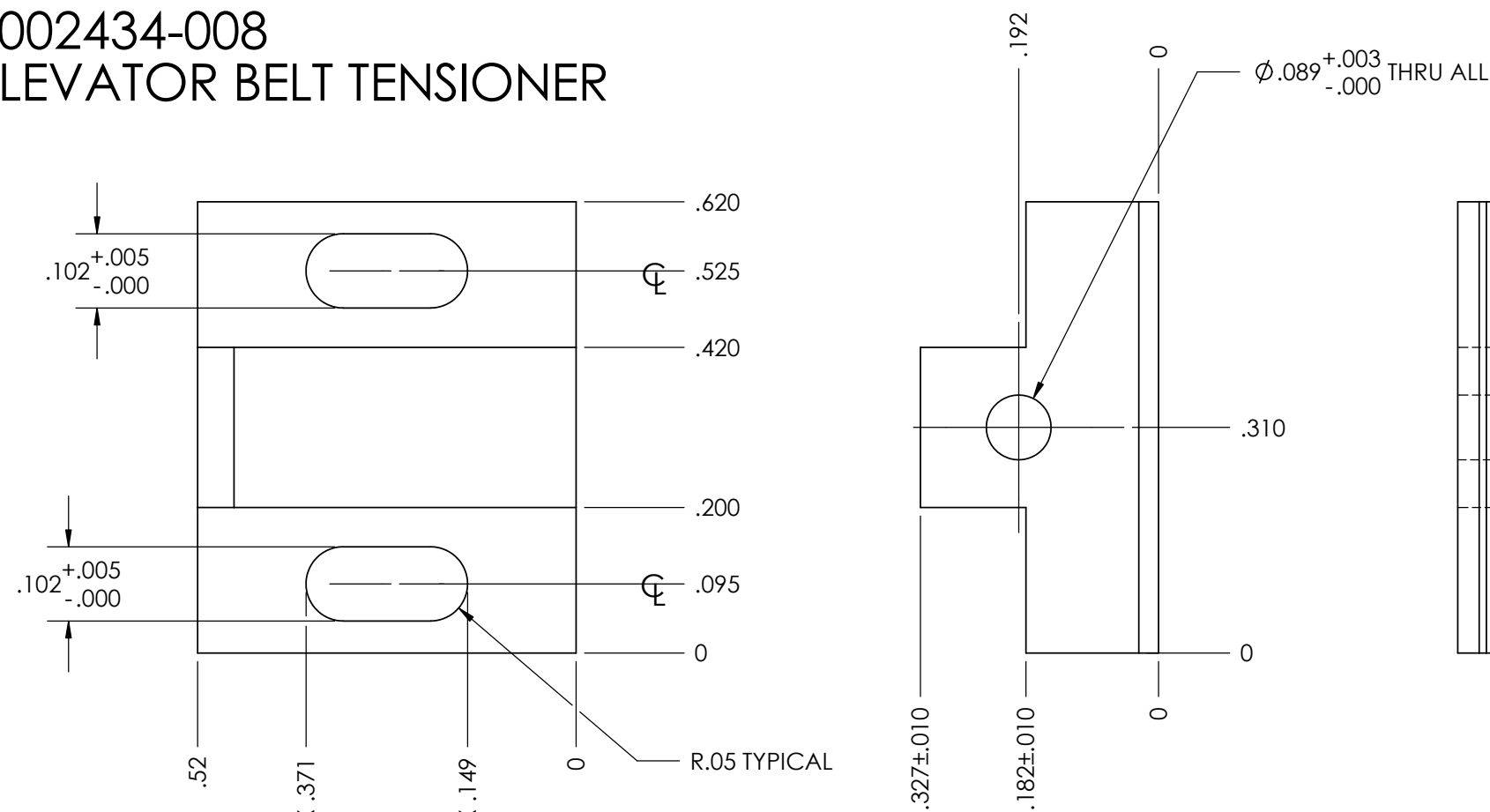
Technical drawing of a shaft assembly. The drawing shows a shaft with a central section of length 1.008. The shaft has a diameter of $\phi .150^{+.000}_{-.003}$. The shaft is supported by a bearing with a bore diameter of $\phi 4 \text{ mm}$ (precision ground shaft) McMaster #1265K37 or equivalent. The shaft has a fillet with a radius of $.020^{+.005}_{-.000}$ and a chamfer with a width of $.020^{+.005}_{-.000}$ and a $2X .008 X 45^\circ$ chamfer. The shaft has a total length of $.16 + 1.008 + .16 = 1.234$.

SECTION B-B

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
5	1002434-005	Elevator extension rod	6061-T6 Aluminum	1
6	1002434-006	Elevator idler shaft	316 Stainless Steel	1
7	1002434-007	Elevator lifter	Kynar	2

		BILL OF MATERIALS		last updated on: Thursday, April 07, 2005 5:01:22 PM 	
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: 2 PLACE DIM ±.01 3 PLACE DIM ±.005 4 PLACE DIM ±.0005 ANGLES ±1°		APPROVALS DATE ENGINEER Jason Feldman 831-775-1837 CHECKED PROJECT NUMBER 701312.00 PROJECT ESP 2G	
Inspector		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING 3. REMOVE BURRS & SHARP EDGES .010 MAX 4. MACHINED FILLET RADII .010 TO .020 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .001 PER INCH. MAX .010 INCHES FOR SINGLE SURFACE. 7. SURFACE FINISH TO BE 63 MICRON UNLESS OTHERWISE SPECIFIED		Monterey Bay Aquarium Research Institute 7700 Sandholdt Road Moss Landing, CA 95039	
Shop Foreman				SIZE DWG. NO. REV. C 1002434 C	
Engineer					
NEXT ASSY Description	NEXT ASSY Number			CAD FILE: X:\701312 ESP 2G\SolidWorks files\internal structure (1002209) SHEET 6 OF 8	
DO NOT SCALE DRAWING					

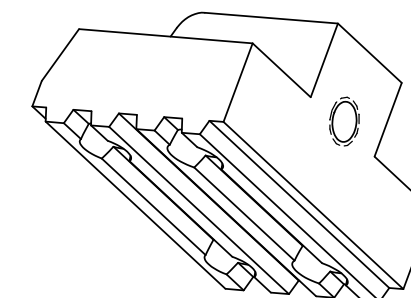
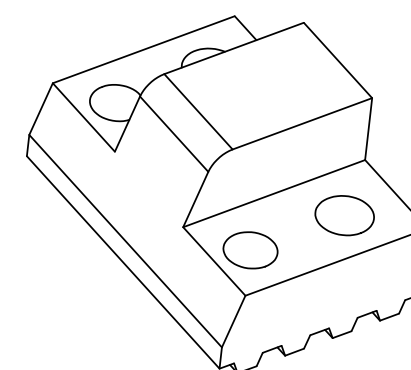
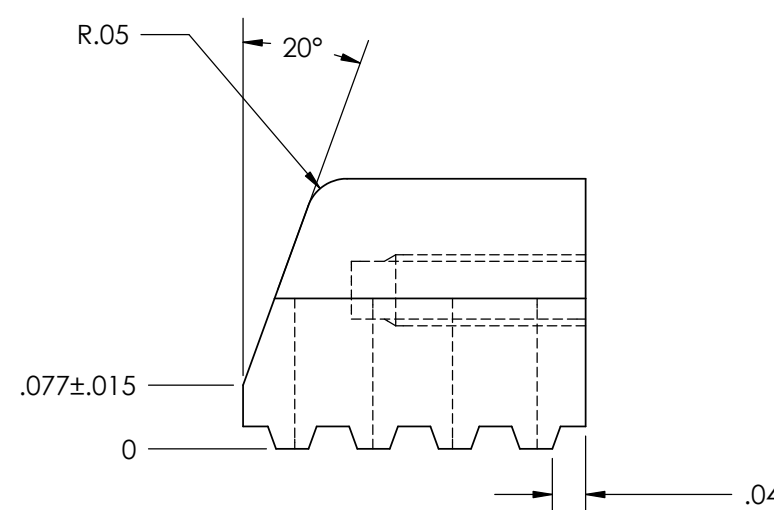
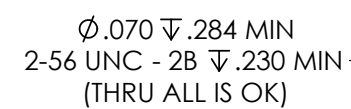
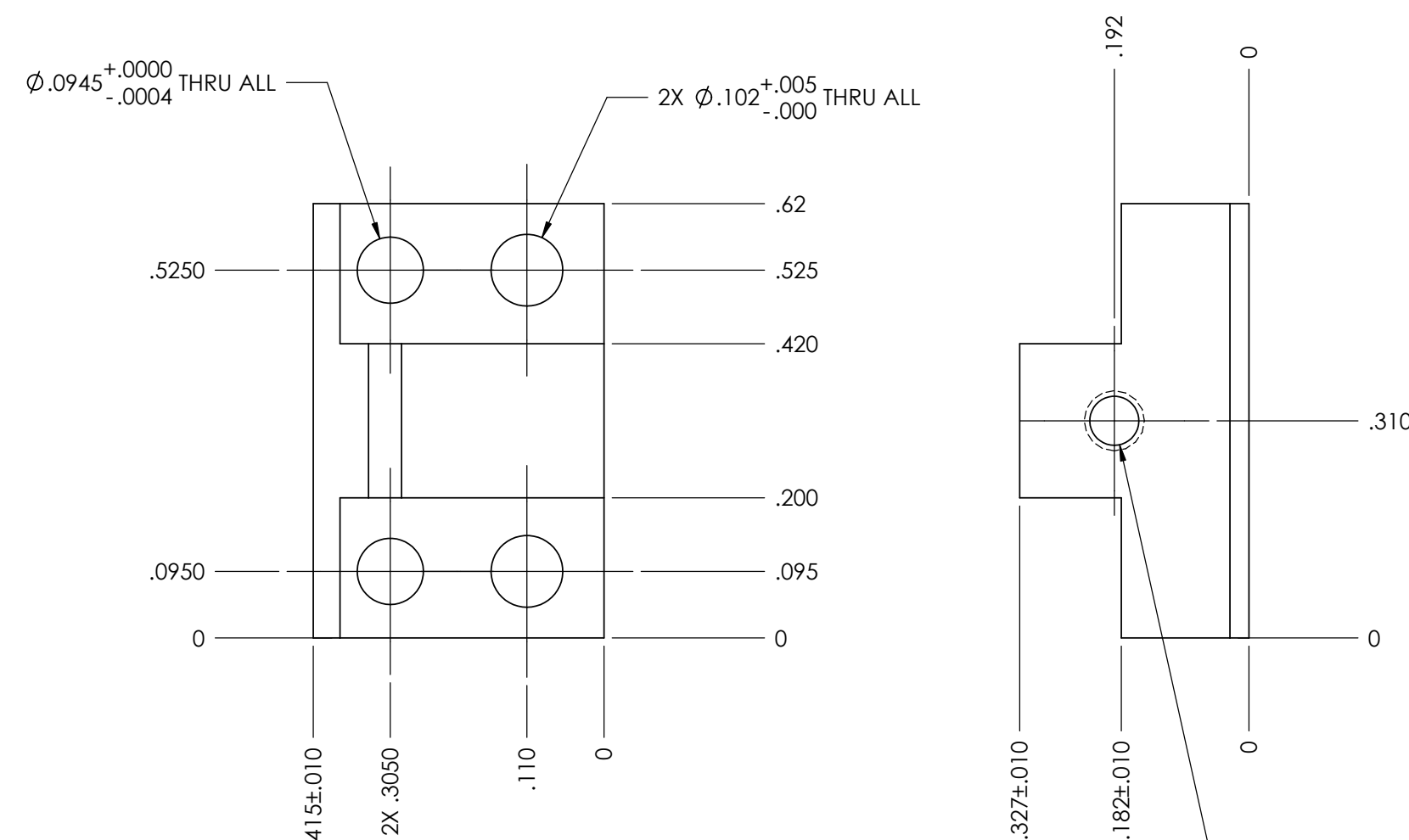
1002434-008
ELEVATOR BELT TENSIONER



INITIAL TOOTH SPACING TO APPROXIMATELY
CENTER TEETH ON PART

DETAIL C ((typical for -008 and -009)

1002434-009
ELEVATOR BELT CLAMP

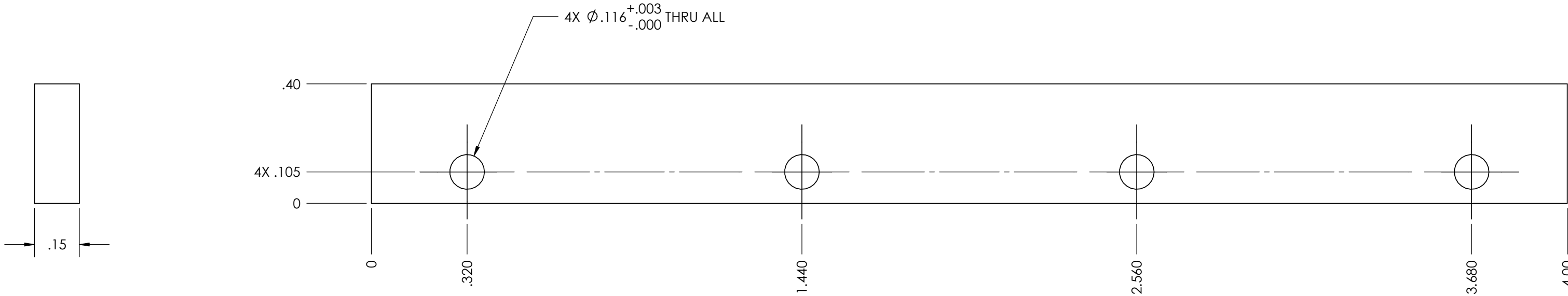


ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
8	1002434-008	Elevator belt tensioner	Brass	2
9	1002343-009	Elevator belt clamp	Brass	2

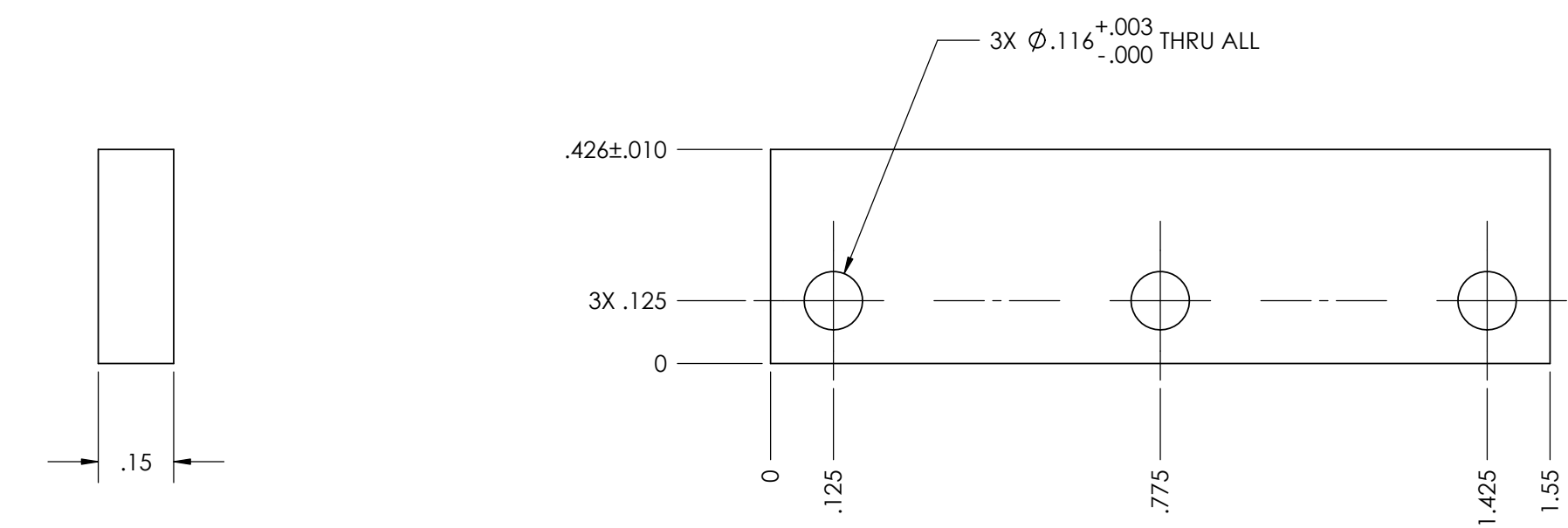
		1002434-007		ELEVATOR SHOT CLAMP		1002434-008		ELEVATOR SHOT CLAMP		1002434-009	
BILL OF MATERIALS						last updated on: Thursday, April 07, 2005 5:01:22 PM					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS _____ DATE _____ ENGINEER Jason Feldman 831-775-1837		Monterey Bay Aquarium Research Institute 			
Inspector		2 PLACE DIM ±.01	3 PLACE DIM ±.005	4 PLACE DIM ±.0005	ANGLES ±1°	CHECKED _____		7700 Sandholdt Road Moss Landing, CA 95039			
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING 3. REMOVE BURRS & SHARP EDGES .010 MAX 4. MACHINED FILLET RADII .010 TO .020									
Engineer		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				PROJECT NUMBER 701312.00		ELEVATOR COMPONENTS			
NEXT ASSY Description	NEXT ASSY Number	6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .001 PER INCH. MAX .010 INCHES FOR SINGLE SURFACE.				PROJECT ESP 2G		SIZE C DWG. NO. 1002434		REV. C	
DO NOT SCALE DRAWING		7. SURFACE FINISH TO BE 63 MICRON UNLESS OTHERWISE SPECIFIED				CAD FILE: X:\701312 ESP 2G\SolidWorks files\internal structure (1002209)		SHEET 7 OF 8			

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1002434-010
ELEVATOR CLAMP - TOP



1002434-011
ELEVATOR CLAMP - BOTTOM



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
10	1002434-010	Elevator clamp - top	6061-T6 Aluminum	1
11	1002434-011	Elevator clamp - bottom	6061-T6 Aluminum	1

BILL OF MATERIALS					last updated on: Thursday, April 07, 2005 5:01:22 PM	
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS DATE	
Inspector		2 PLACE DIM ±.01	3 PLACE DIM ±.005	4 PLACE DIM ±.0005	ENGINEER Jason Feldman 831-775-1837	
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING 3. REMOVE BURRS & SHARP EDGES .010 MAX 4. MACHINED FILLET RADII .010 TO .020 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .001 PER INCH MAX .010 INCHES FOR SINGLE SURFACE. 7. SURFACE FINISH TO BE 63 MICRON UNLESS OTHERWISE SPECIFIED			CHECKED	
Engineer					PROJECT NUMBER 701312.00	
NEXT ASSY Description					NEXT ASSY Number	
DO NOT SCALE DRAWING					ELEVATOR COMPONENTS	
					SIZE C	DWG. NO. 1002434
					REV. C	
CAD FILE: X:\701312 ESP 2G\SolidWorks files\internal structure (1002209)						SHEET 8 OF 8