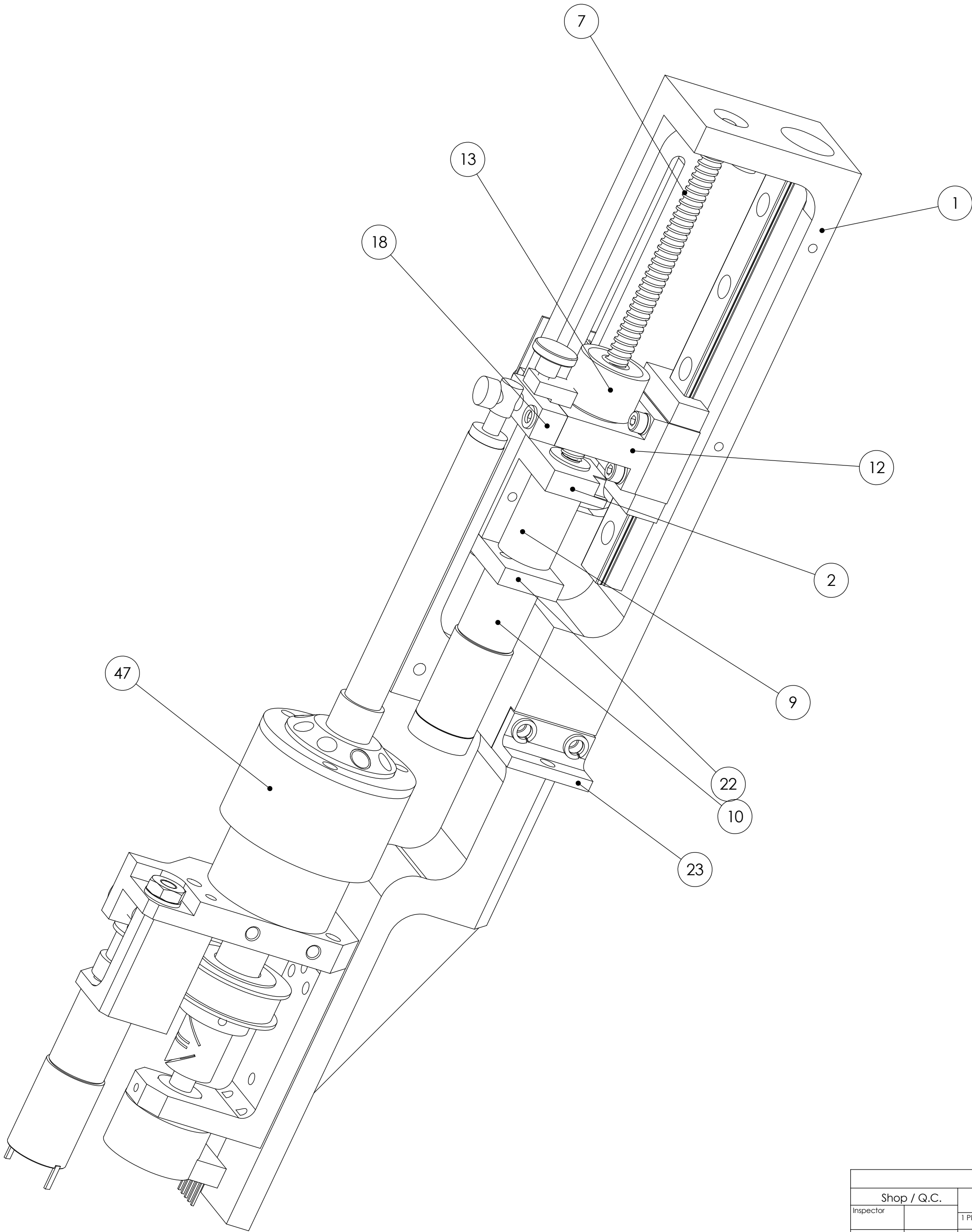


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BILL OF MATERIALS				last updated on: Wednesday, April 19, 2006 2:21:40 PM	
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS	DATE
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.01	ENGINEER	Jason Feldman 831-775-1837
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°	CHECKED	
Engineer		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		PROJECT NUMBER	701312.00
NEXT ASSY Description	NEXT ASSY Number			PROJECT	ESP 2G
DO NOT SCALE DRAWING				SIZE	C
				DWG. NO.	1002258
				REV.	A
				CAD FILE: X:\701312 ESP 2G\SolidWorks files\internal structure (1002209) SHEET 1 OF 7	

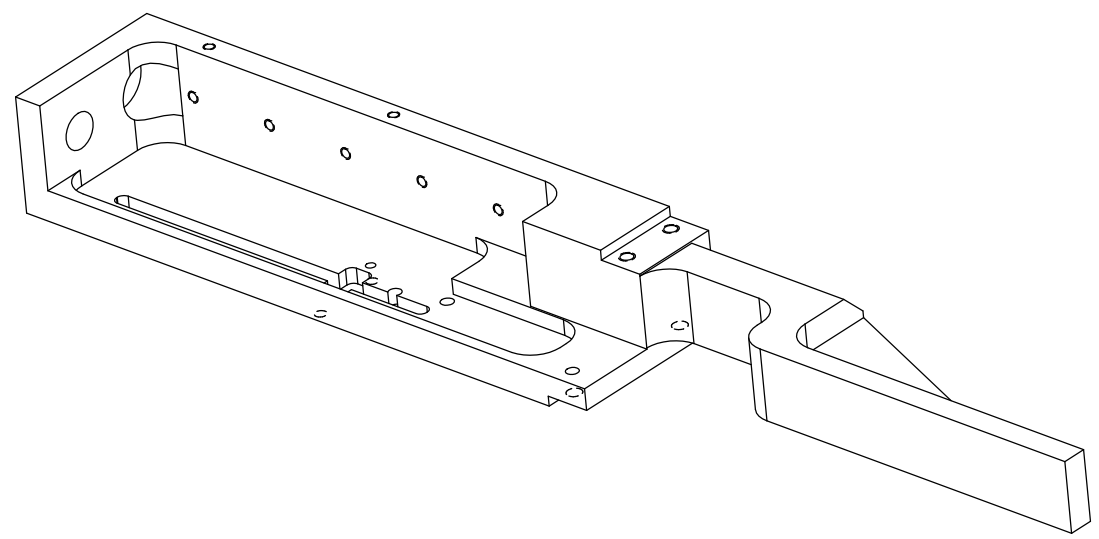
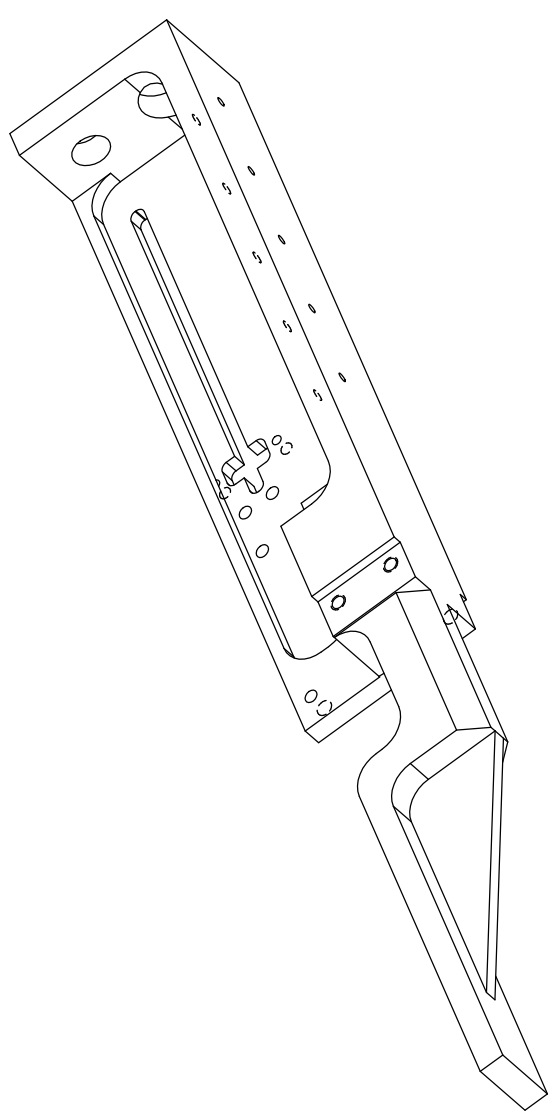
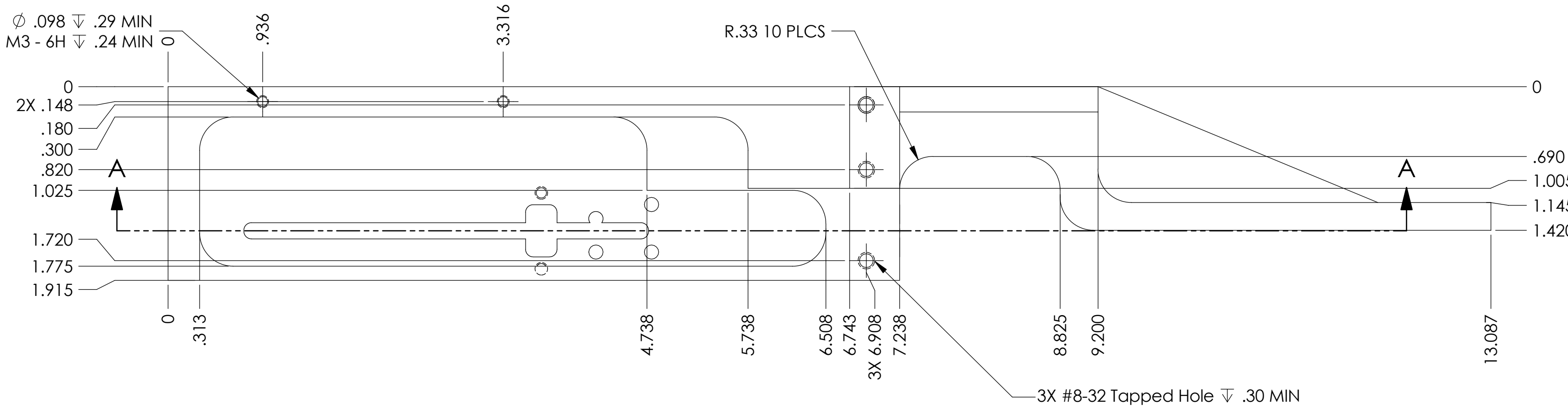
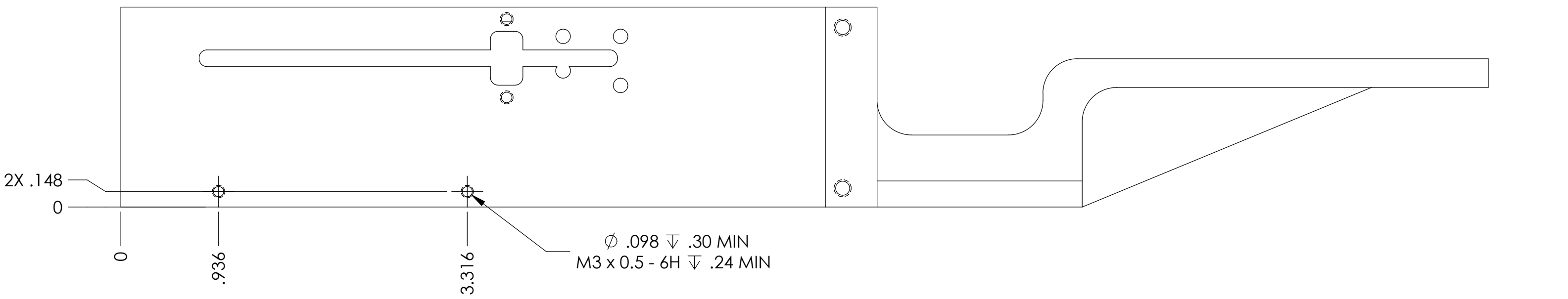
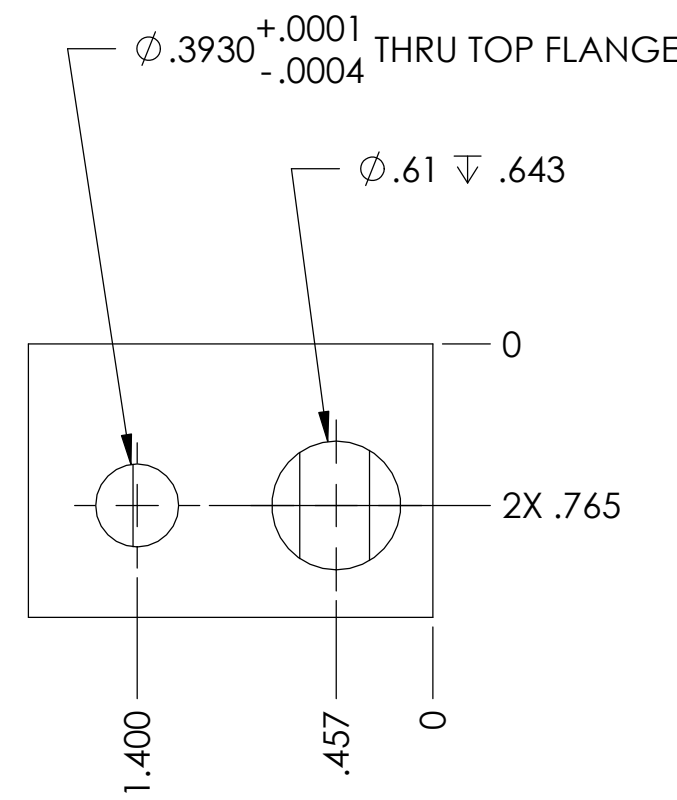
Monterey Bay Aquarium Research Institute
7700 Sandholdt Road
Moss Landing, CA 95039



syringe

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1002258-001 SYRINGE BODY



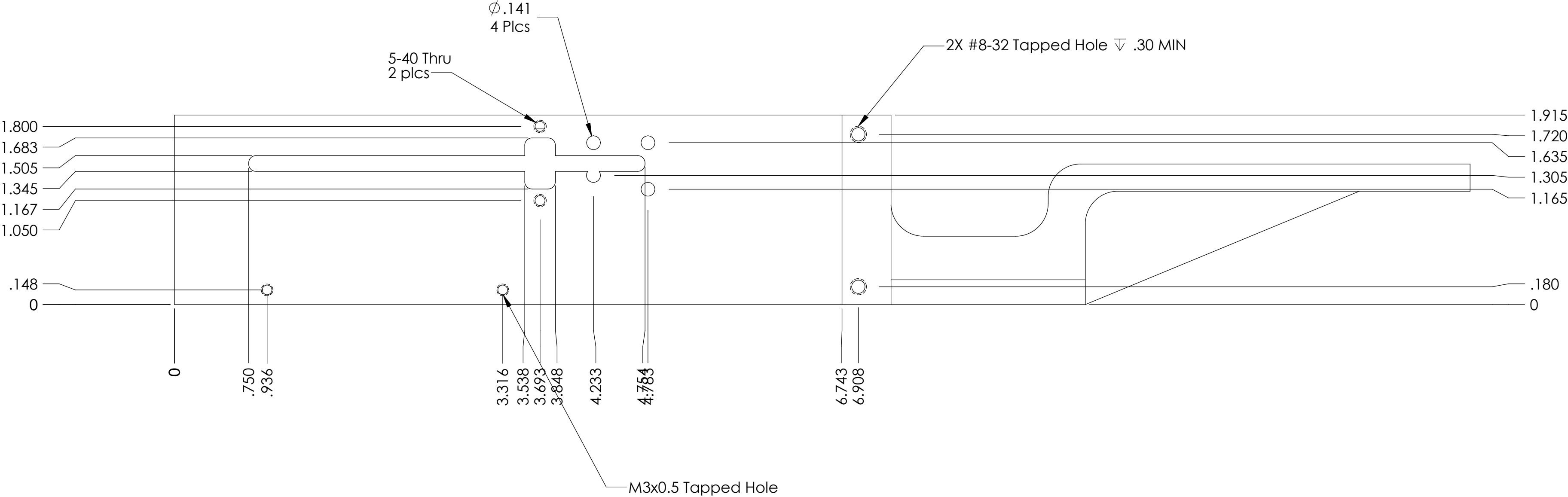
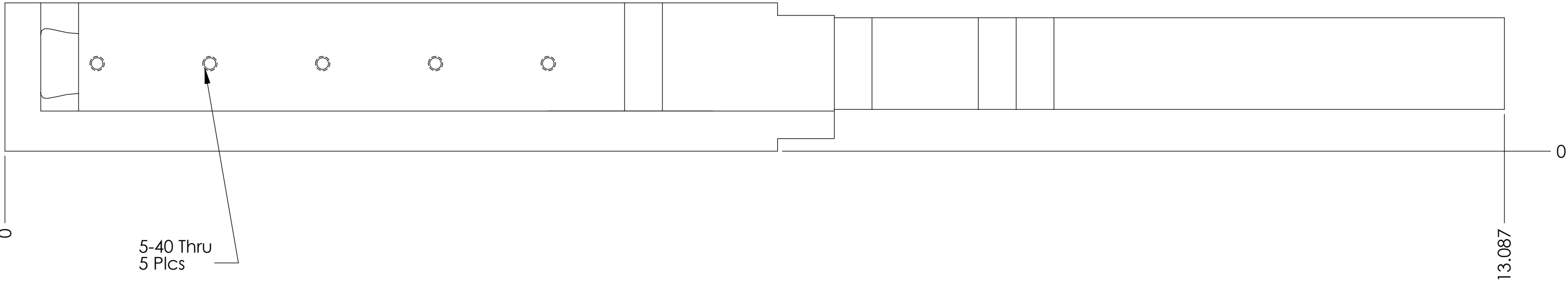
SECTION A-A

Material: 6061-T6 Aluminum
Qty: 3

BILL OF MATERIALS				last updated on: Wednesday, April 19, 2006 2:21:40 PM	
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.01	DATE	Monterey Bay Aquarium Research Institute 7700 Sandholdt Road Moss Landing, CA 95039
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°	ENGINEER Jason Feldman 831-775-1837	
Engineer		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	
NEXT ASSY Description	NEXT ASSY Number	PROJECT NUMBER 701312.00		PROJECT ESP 2G	syringe
DO NOT SCALE DRAWING		CAD FILE: X:\701312 ESP 2G\SolidWorks files\internal structure (1002209)		SIZE C	
		DWG. NO. 1002258		REV. A	
		SHEET 2 OF 7			

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1002258-001



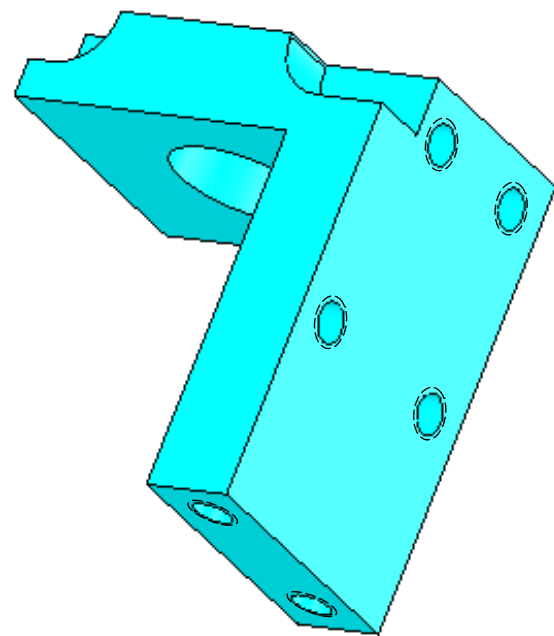
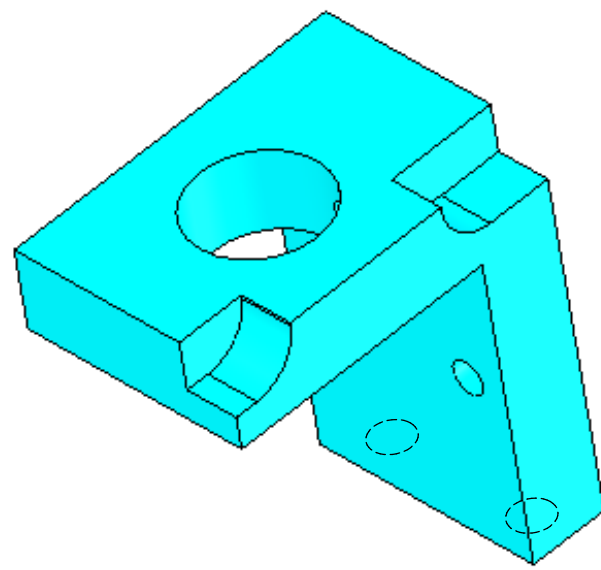
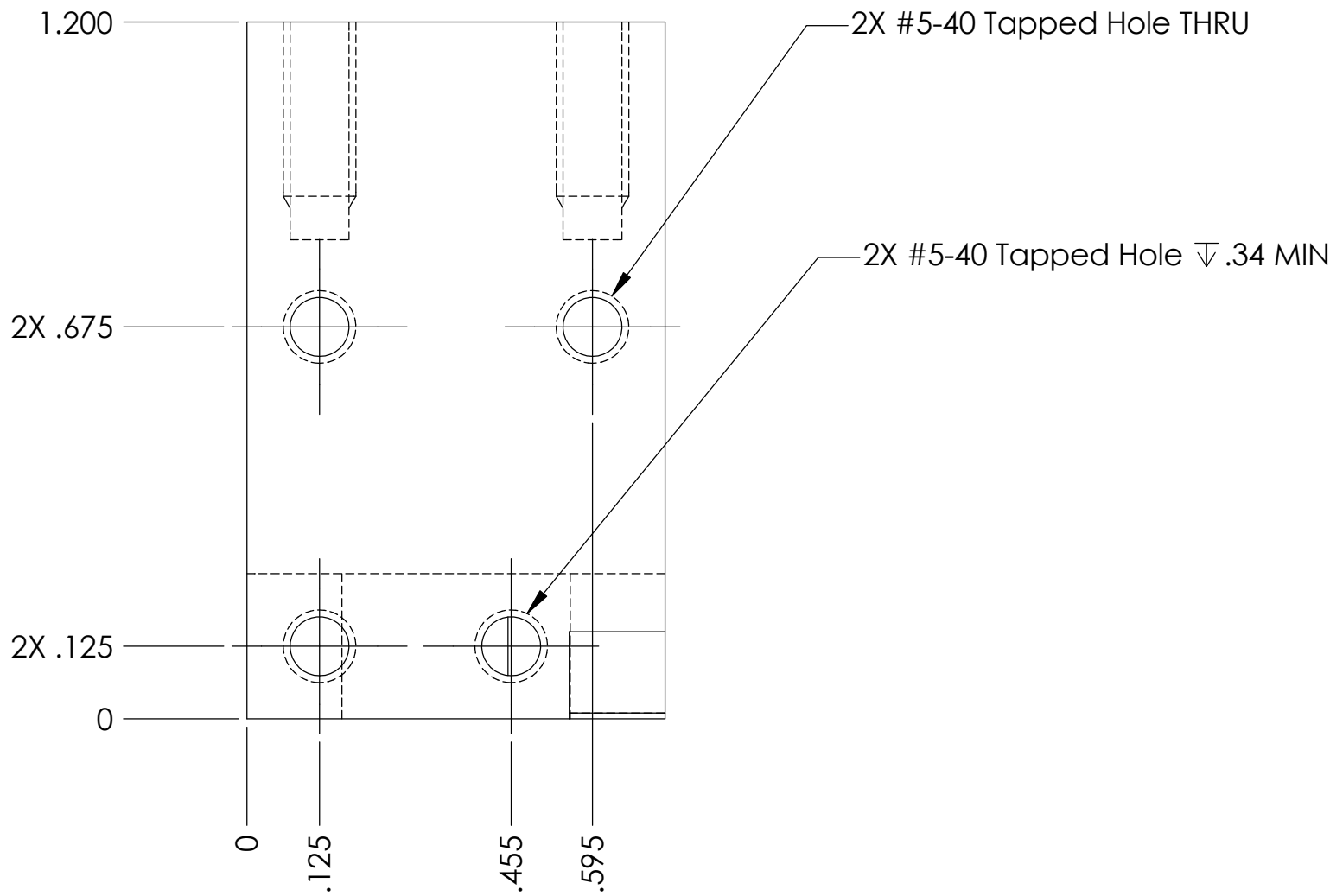
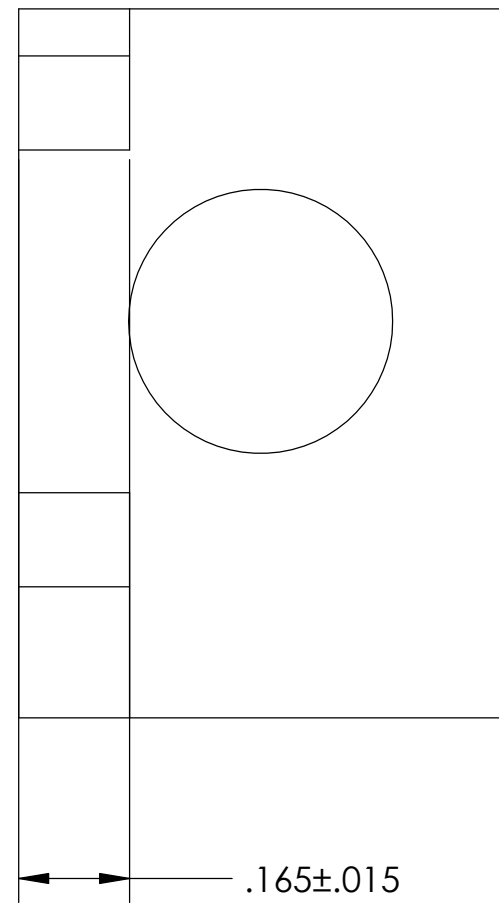
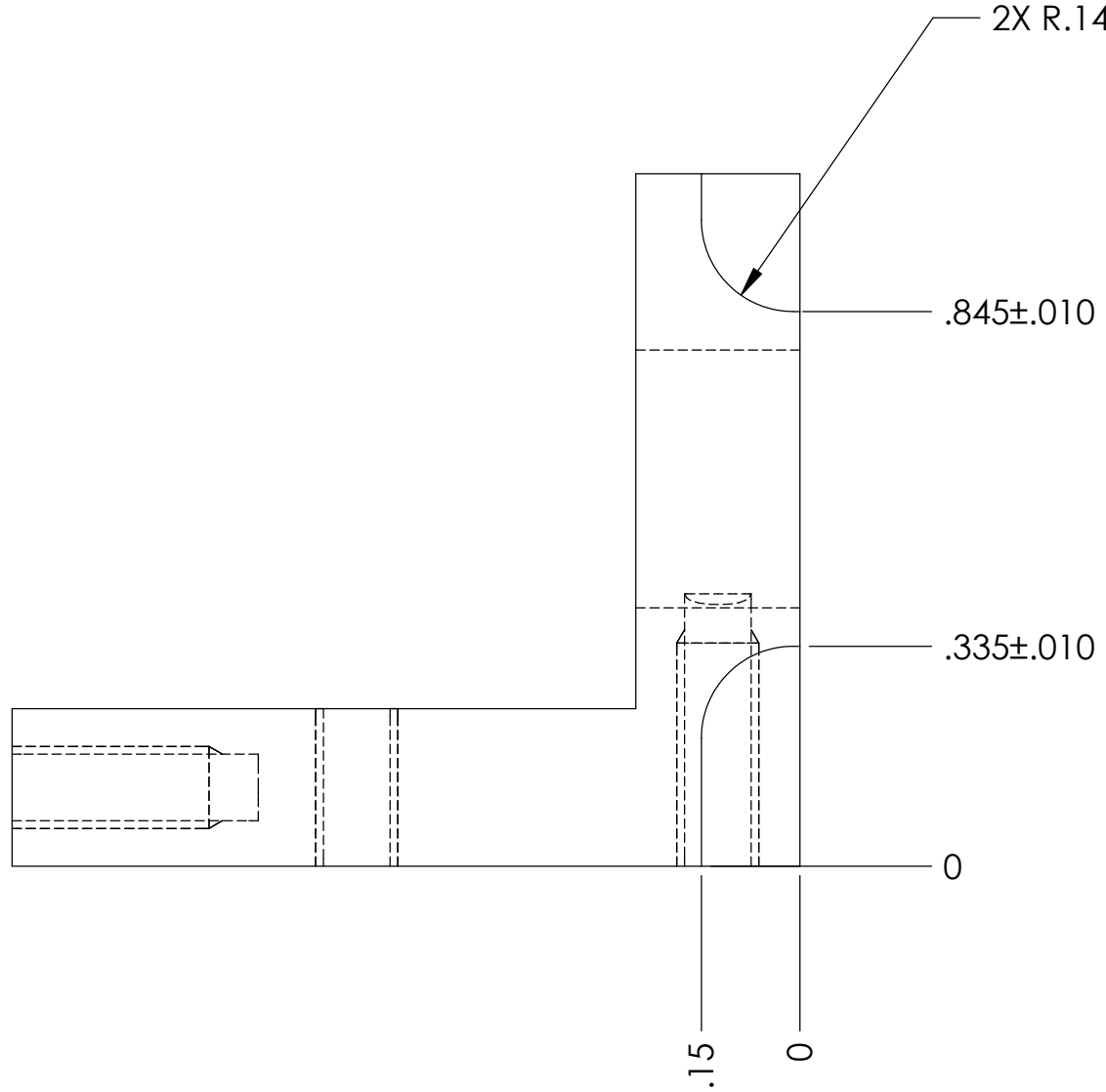
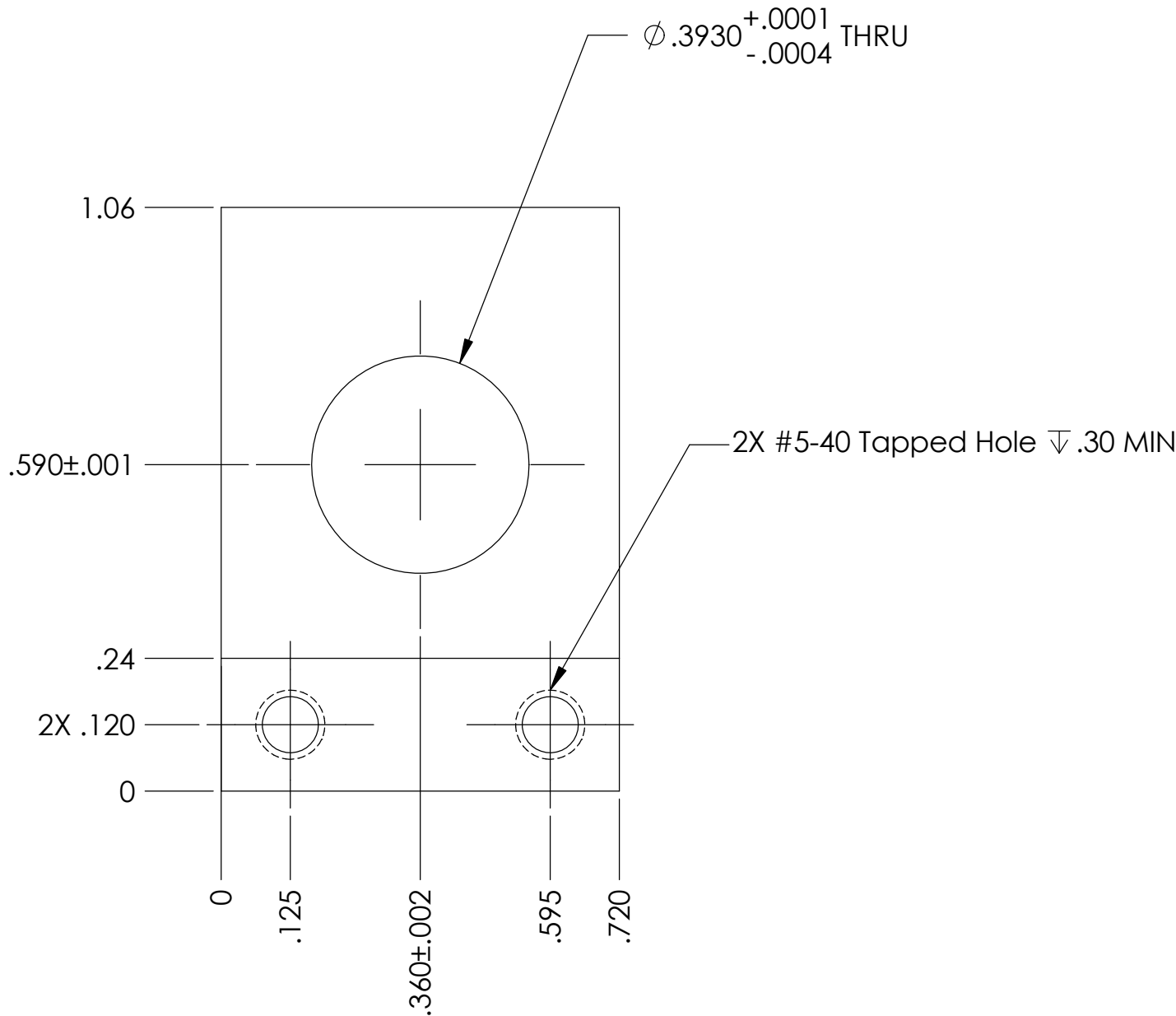
Material: 6061-T6 Aluminum
Qty: 3

BILL OF MATERIALS					last updated on: Wednesday, April 19, 2006 2:21:40 PM	
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS	DATE
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.01	3 PLACE DIM ±.005	ENGINEER Jason Feldman 831-775-1837 CHECKED	Monterey Bay Aquarium Research Institute 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 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				
Engineer						
NEXT ASSY Description	NEXT ASSY Number	PROJECT NUMBER 701312.00			syringe	
		PROJECT ESP 2G			SIZE C	DWG. NO. 1002258
DO NOT SCALE DRAWING					REV. A	
CAD FILE: X:\701312 ESP 2G\SolidWorks files\internal structure (1002209)					SHEET 3 OF 7	



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1002258-003
SYRINGE MOTOR BRACKET



Material: 17-4 Stainless Steel
Qty: 3

BILL OF MATERIALS				last updated on: Wednesday, April 19, 2006 2:21:40 PM	
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		1 PLACE DIM $\pm 1/16$	2 PLACE DIM $\pm .01$	3 PLACE DIM $\pm .005$	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. 1002258	
		7. SURFACE FINISH TO BE 63 MICRON UNLESS OTHERWISE SPECIFIED		REV. A	
				CAD FILE: X:\701312 ESP 2G\SolidWorks files\internal structure (1002209)	

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



syringe

SIZE

DWG. NO.

1002258

REV.

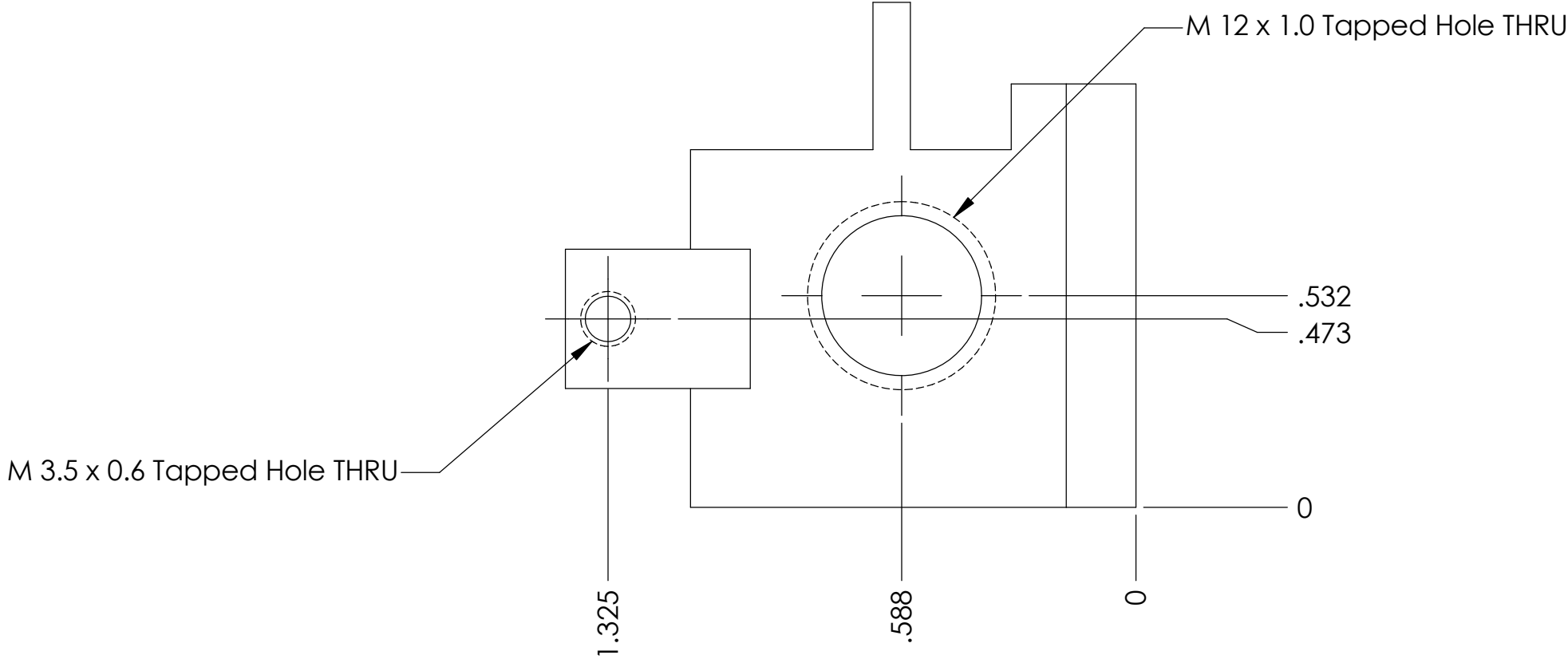
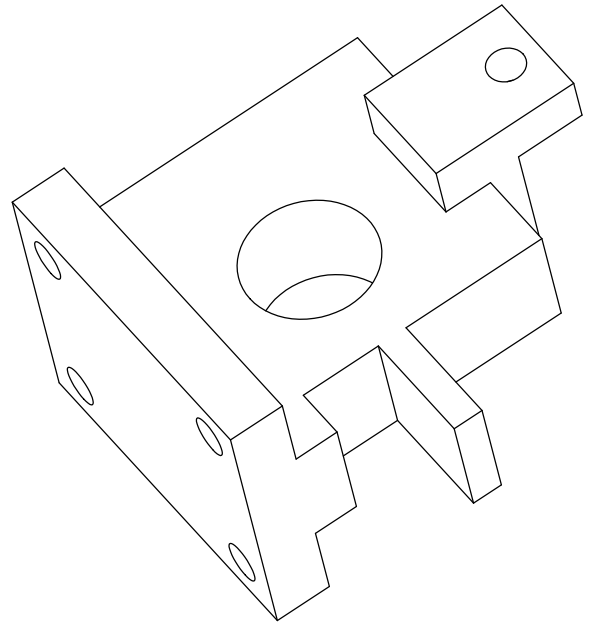
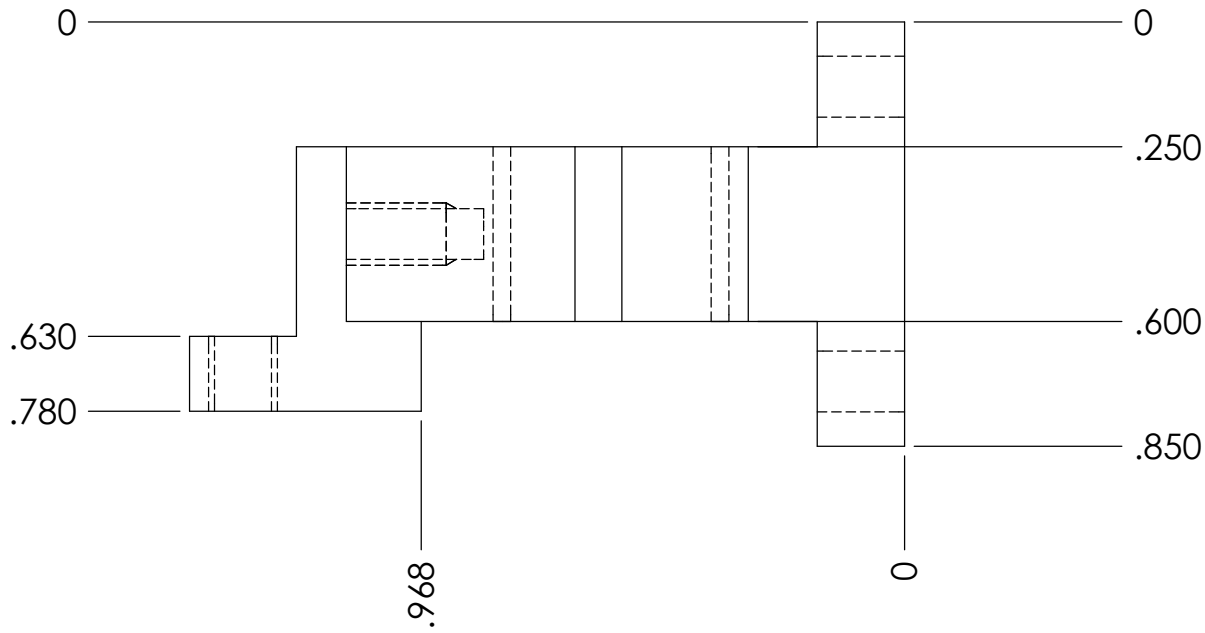
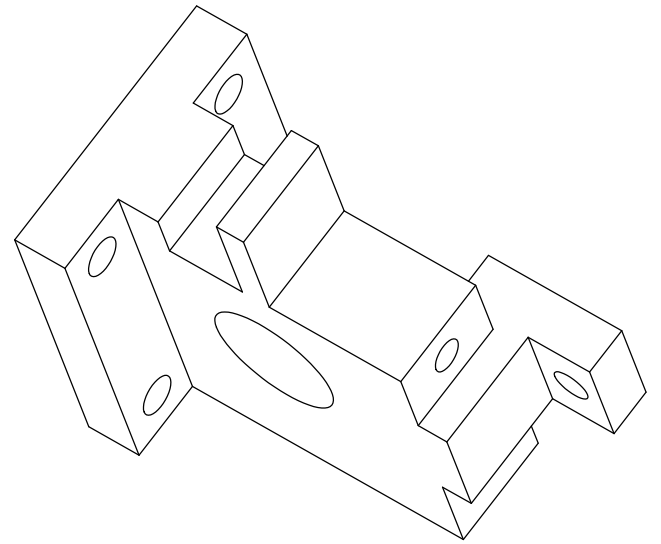
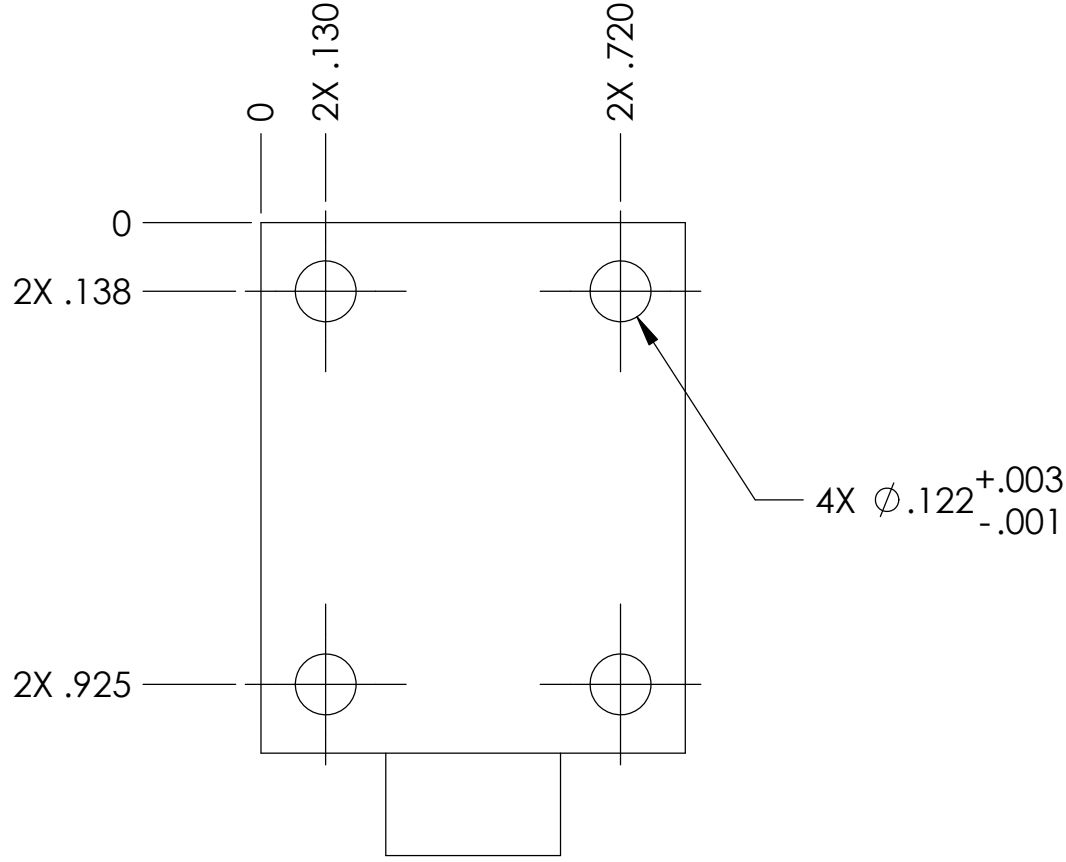
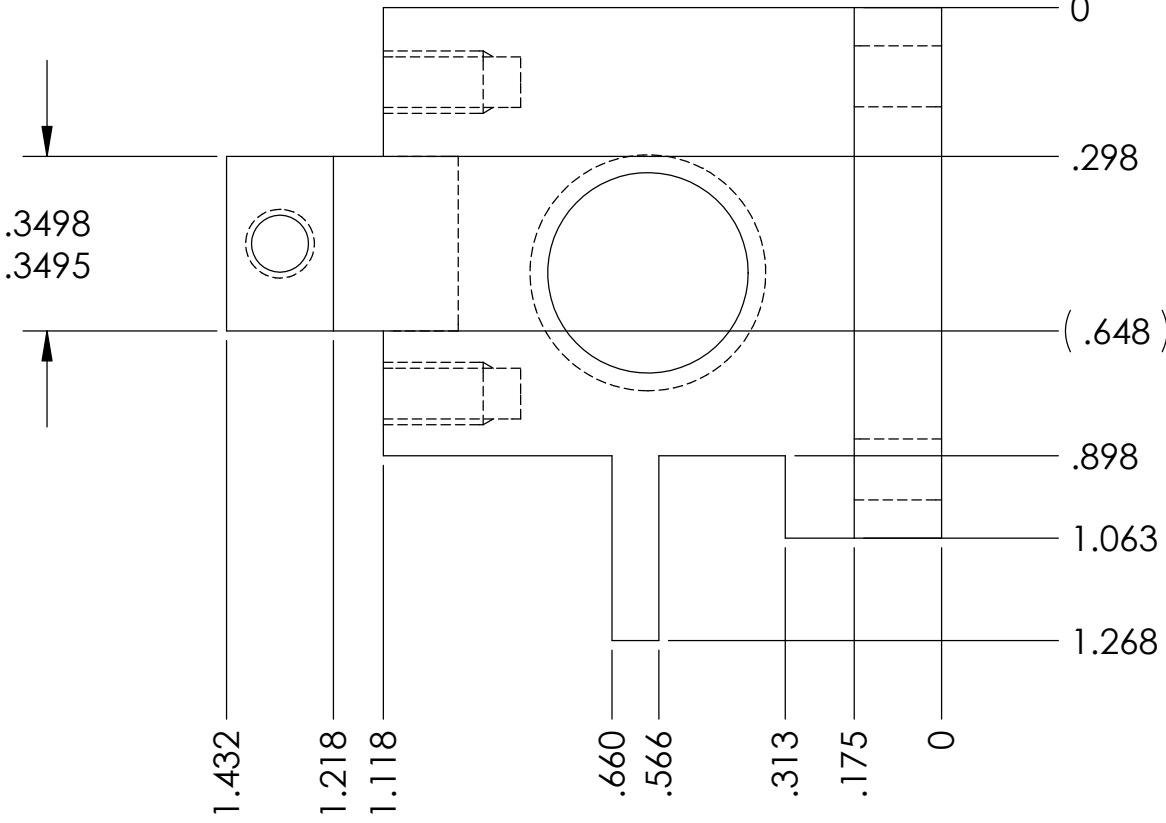
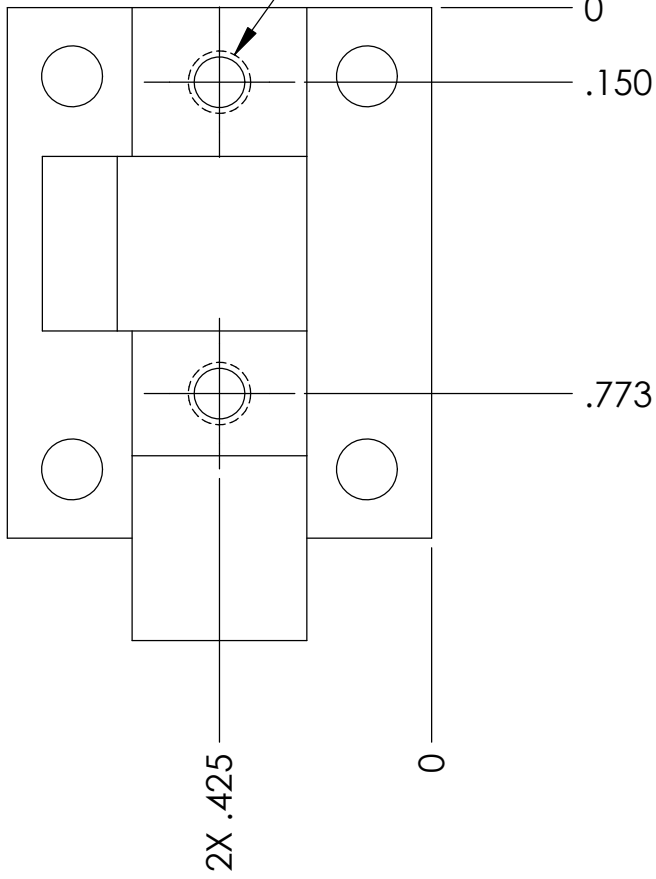
A

SHEET 5 OF 7

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1002258-005
SYRINGE CAR

2X #5-40 Tapped Hole ∇ .20



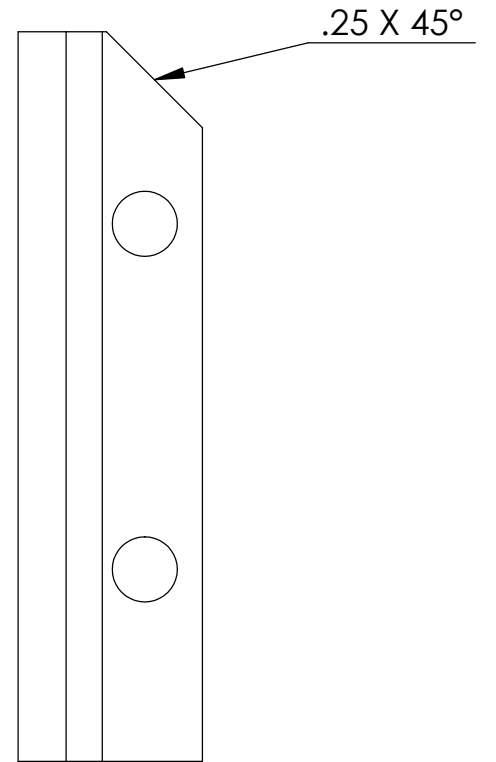
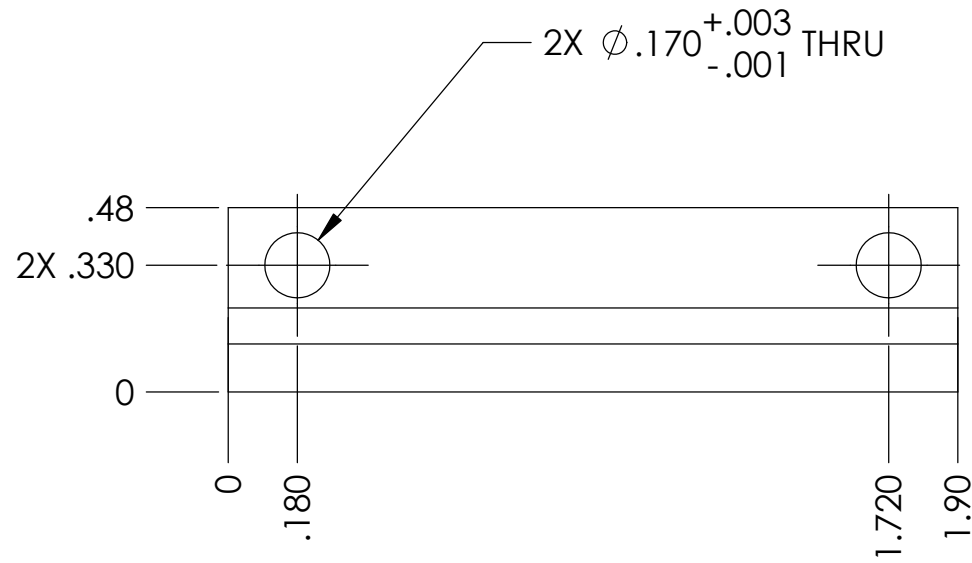
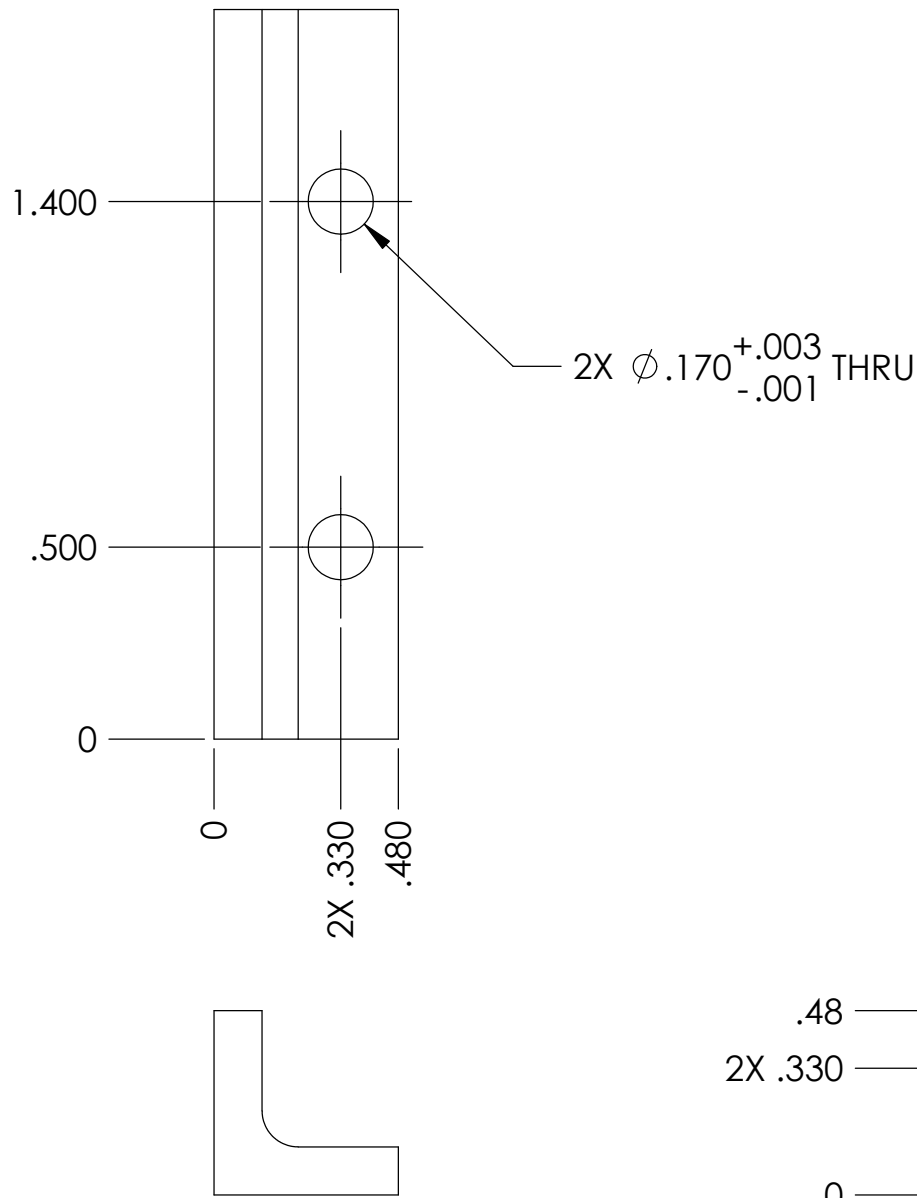
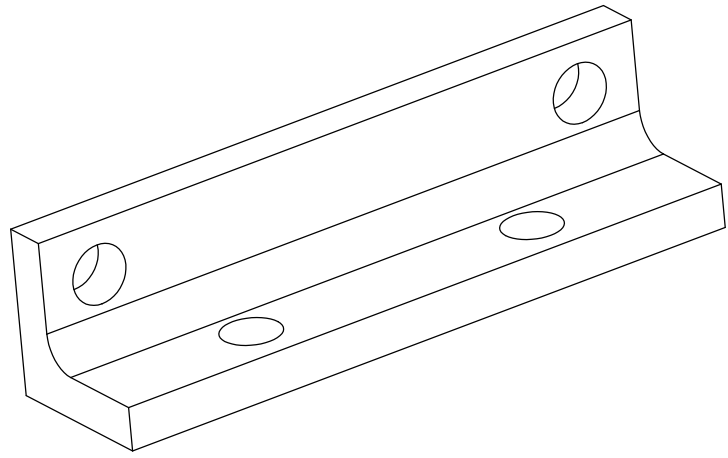
ITEM NO.	QTY	PART NO.	MATERIAL	DESCRIPTION
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BILL OF MATERIALS						last updated on: Wednesday, April 19, 2006 2:21:40 PM						
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS DATE		Monterey Bay Aquarium Research Institute  7700 Sandholdt Road Moss Landing, CA 95039				
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.01	3 PLACE DIM ±.005	ANGLES ±1°	ENGINEER Jason Feldman 831-775-1837	CHECKED					
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				PROJECT NUMBER 701312.00	SIZE			DWG. NO.	REV.	
Engineer						PROJECT ESP 2G	C	1002258	A			
NEXT ASSY Description	NEXT ASSY Number					CAD FILE: X:\701312 ESP 2G\SolidWorks files\internal structure (1002209)				SHEET 6 OF 7		
DO NOT SCALE DRAWING												

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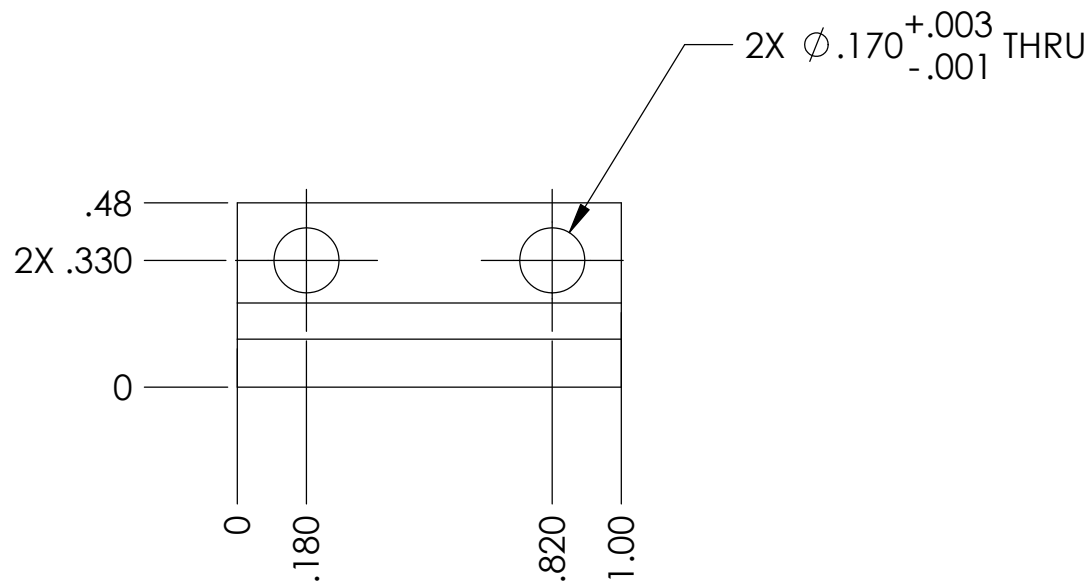
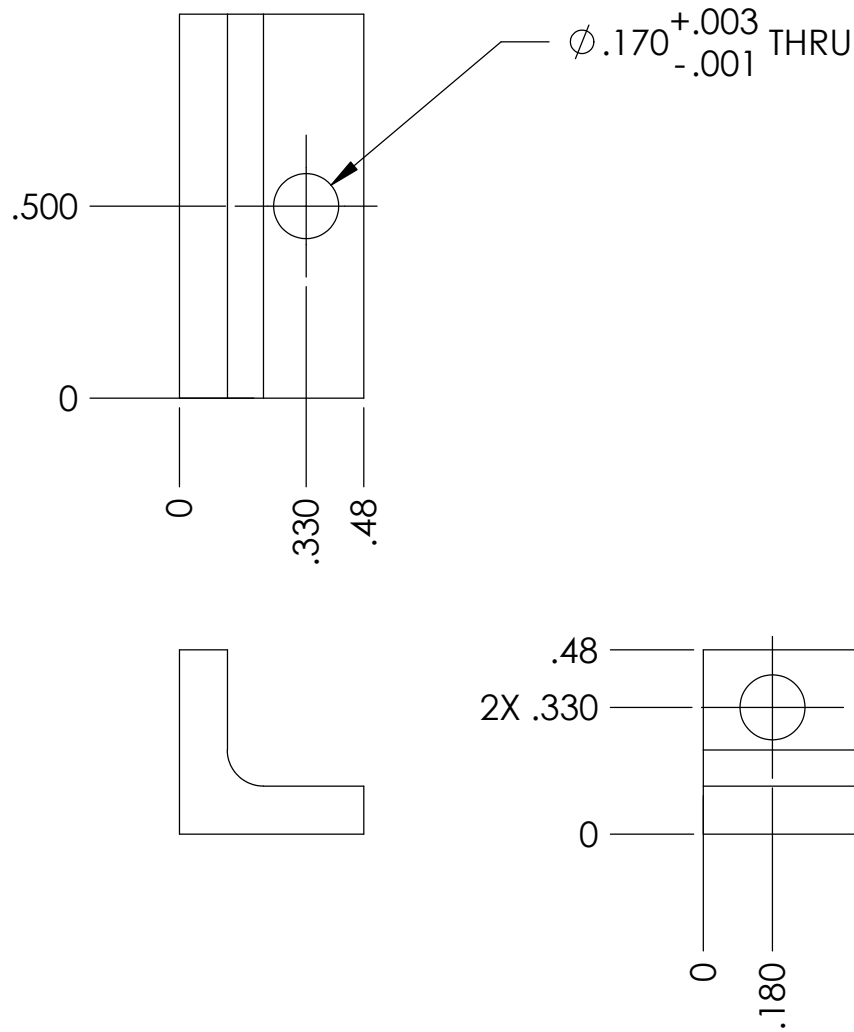
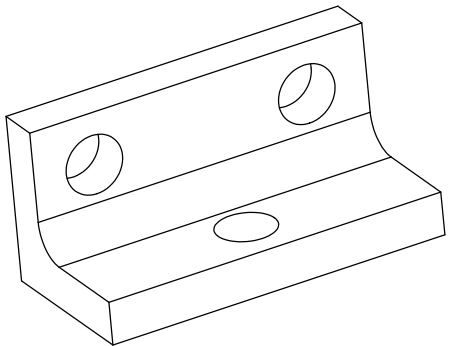
1002258-007
SYRINGE MOUNTING BRACKET - LONG

Mat'l: 6061-T6 Aluminum
Qty: 3



1002258-008
SYRINGE MOUNTING BRACKET - SHORT

Mat'l: 6061-T6
Qty: 3



BILL OF MATERIALS					last updated on: Wednesday, April 19, 2006 2:21:40 PM		
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS DATE		
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.01	3 PLACE DIM ±.005	ANGLES ±1°	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)	
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		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .001 PER INCH. MAX .010 INCHES FOR SINGLE SURFACE. 7. SURFACE FINISH TO BE 43 MICRON UNLESS OTHERWISE SPECIFIED					
NEXT ASSY Description	NEXT ASSY Number						
DO NOT SCALE DRAWING						Monterey Bay Aquarium Research Institute 7700 Sandholdt Road Moss Landing, CA 95039  syringe SIZE C DWG. NO. 1002258 REV. A	
					SHEET 7 OF 7		