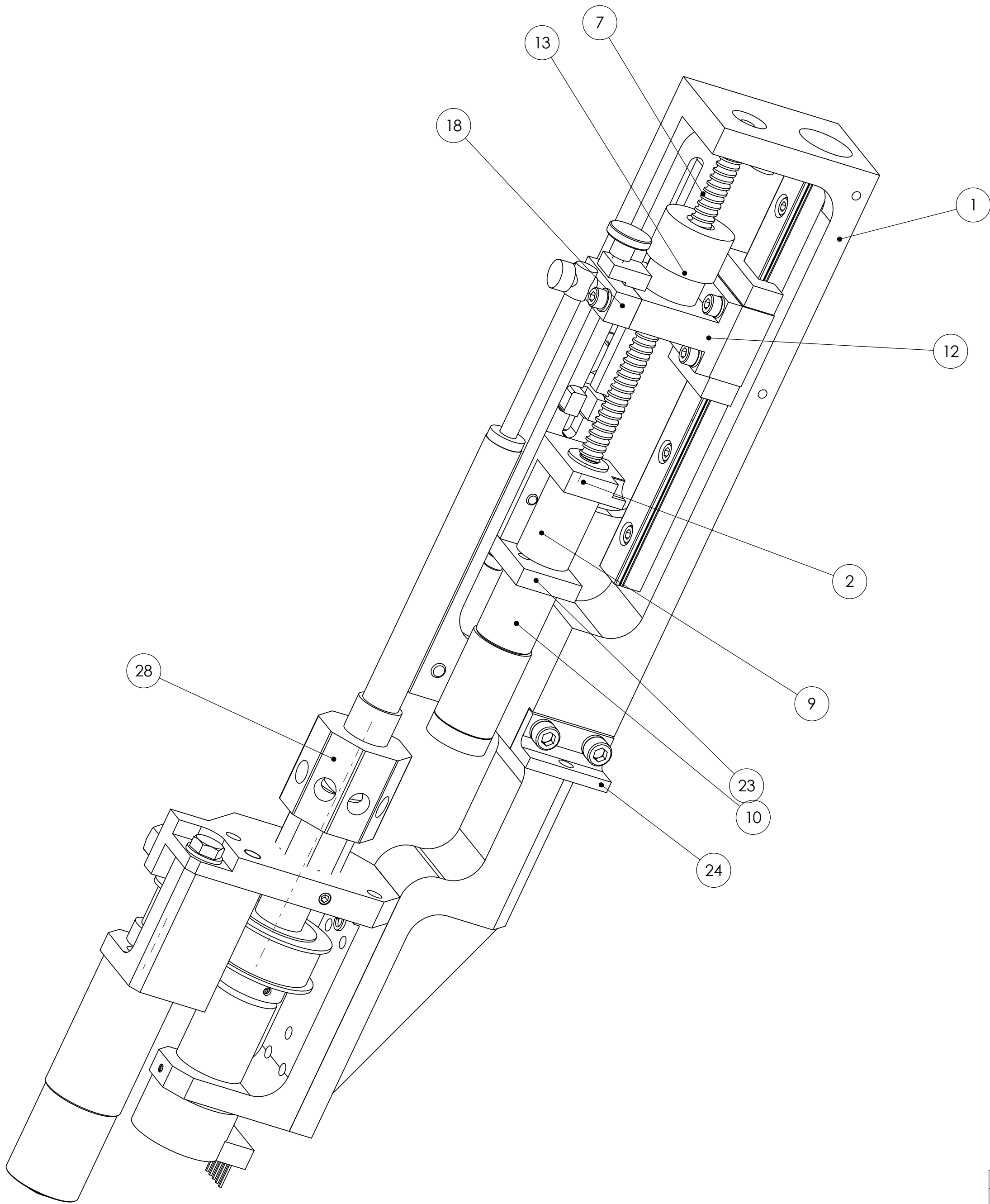


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BILL OF MATERIALS						last updated on: Monday, August 01, 2005 2:36:20 PM			
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE: 1 PLACE DIM ±1/16 2 PLACE DIM ±.01 3 PLACE DIM ±.005 ANGLES ±1° 1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD 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				APPROVALS DATE		Monterey Bay Aquarium Research Institute 7700 Sandholdt Road Moss Landing, CA 95039 	
Inspector						ENGINEER Jason Feldman 831-775-1837			
Shop Foreman		CHECKED							
Engineer		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

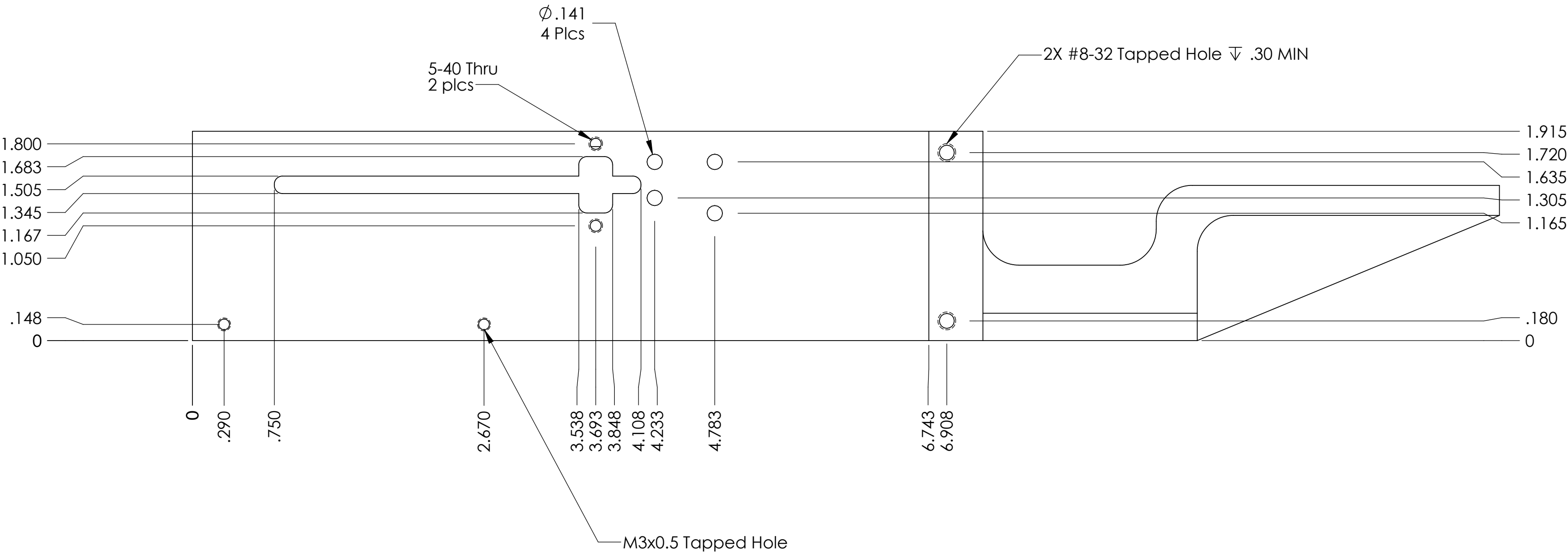
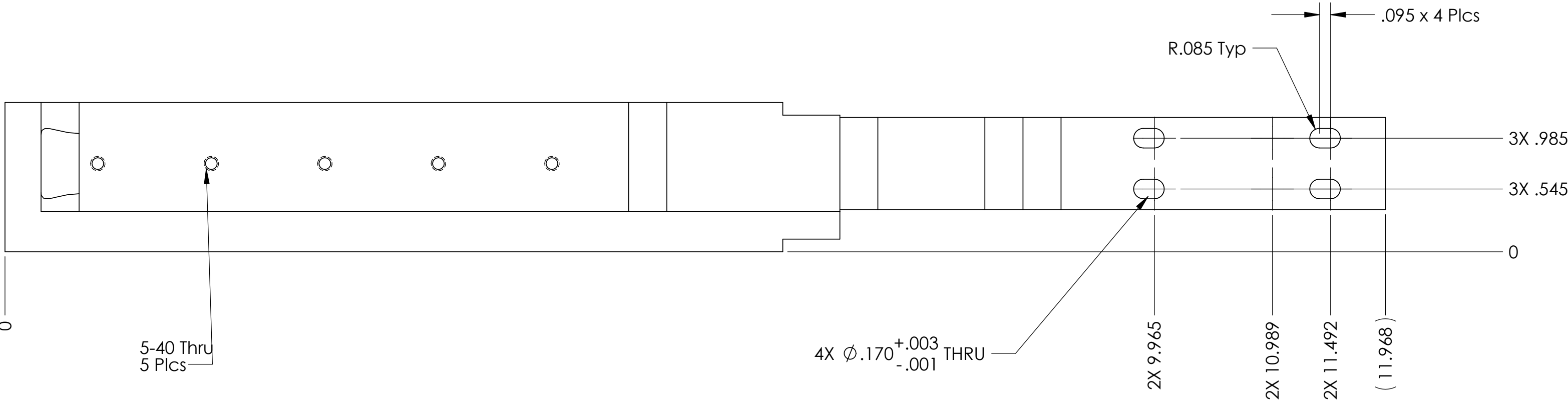


Material: 6061-T6 Aluminum
Qty: 3

Shop / Q.C.				UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS DATE		Monday, August 01, 2005 2:36:20 PM Monterey Bay Aquarium Research Institute 			
Inspector		1 PLACE DIM ±1/16		2 PLACE DIM ±.01		3 PLACE DIM ±.005		ANGLES ±1°		ENGINEER Jason Feldman 831-775-1837		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		CHECKED			
Engineer		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		PROJECT ESP 2G		syringe SIZE DWG. NO. REV. C 1002258 A	
NEXT ASSY Description		NEXT ASSY Number		CAD FILE: X:\701312 ESP 2G\SolidWorks files\internal structure (1002209)		SHEET 2 OF 7		DO NOT SCALE DRAWING					

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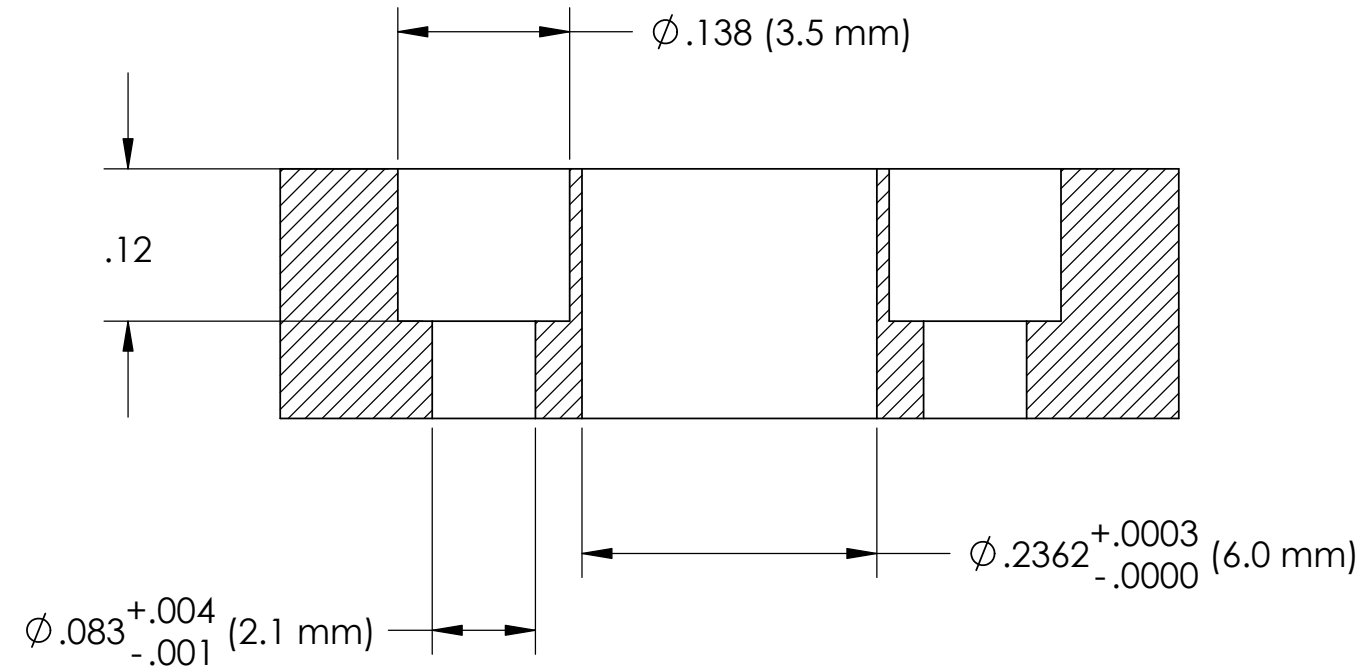
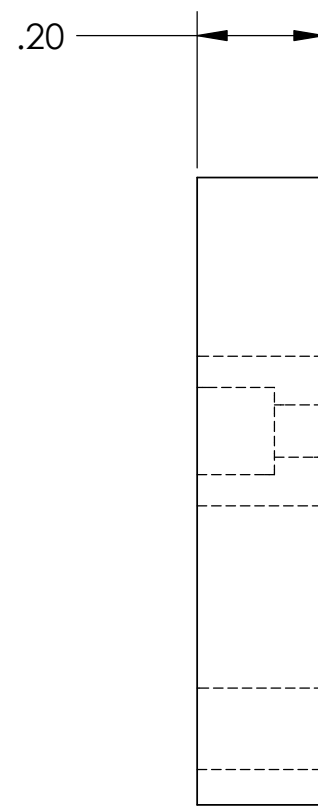
1002258-001



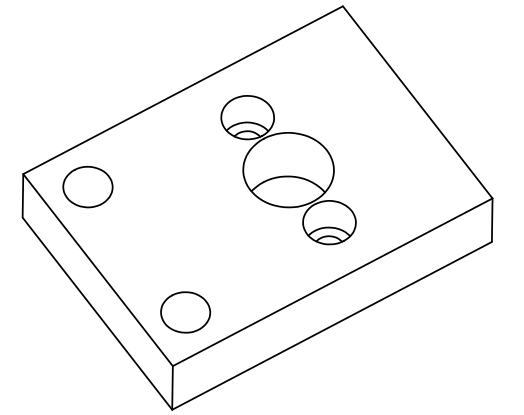
Material: 6061-T6 Aluminum
Qty: 3

BILL OF MATERIALS				last updated on: Monday, August 01, 2005 2:36:20 PM	
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		1 PLACE DIM $\pm 1/16$	2 PLACE DIM $\pm .01$	ENGINEER Jason Feldman 831-775-1837	Monterey Bay Aquarium Research Institute 7700 Sandholdt Road Moss Landing, CA 95039
Shop Foreman		3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$	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		SIZE C	DWG. NO. 1002258
DO NOT SCALE DRAWING		CAD FILE: X:\701312 ESP 2G\SolidWorks files\internal structure (1002209)		REV. A	
				SHEET 3 OF 7	

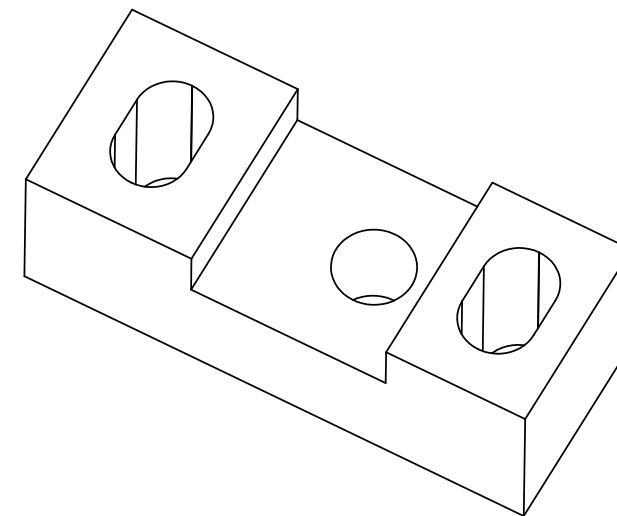
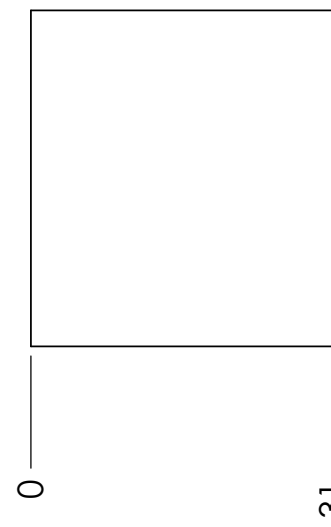
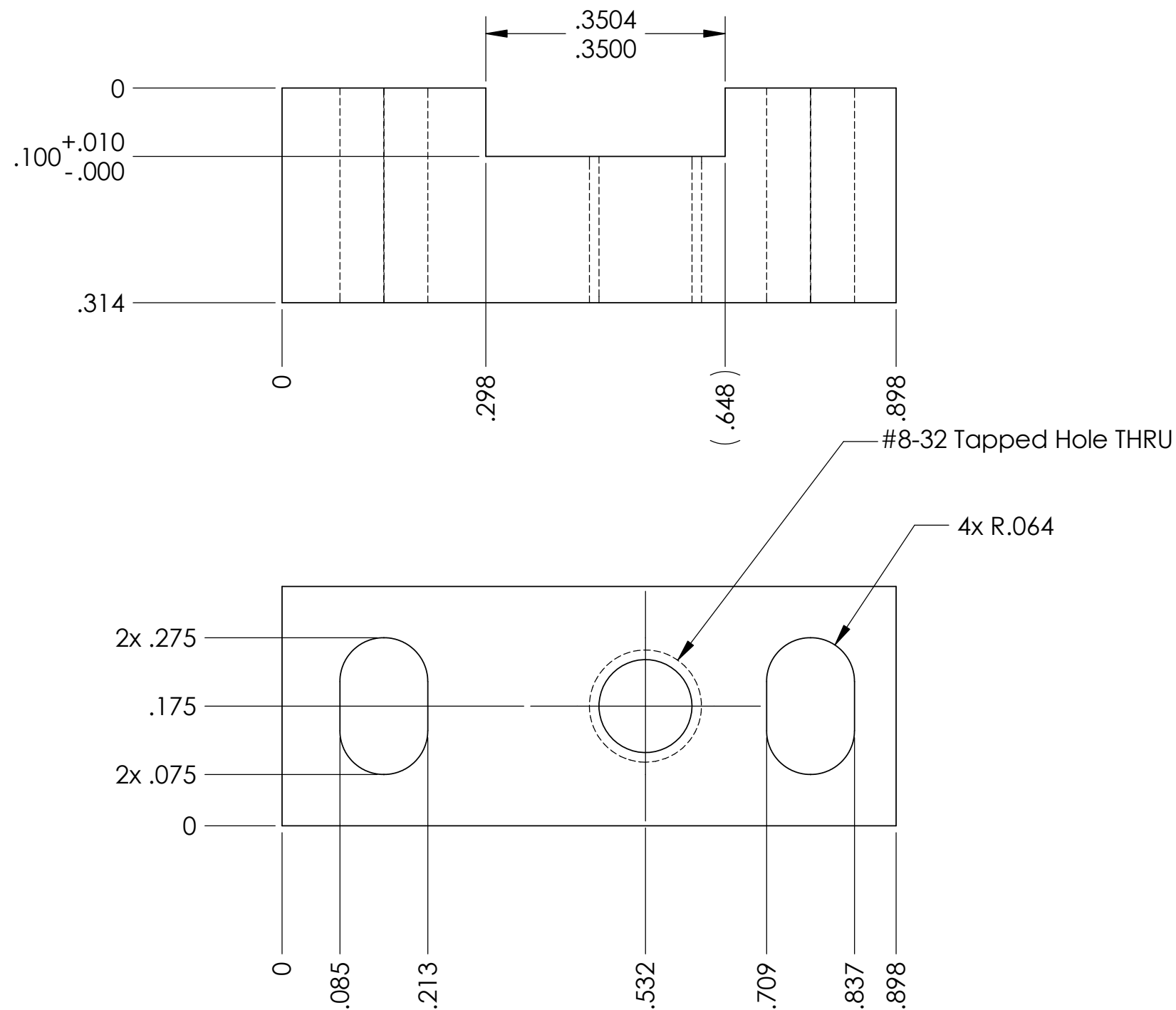
1002258-002 SYRINGE MOTOR MOUNT



SECTION C-C



1002258-004
SYRINGE SHOULDER SCREW SLIDER

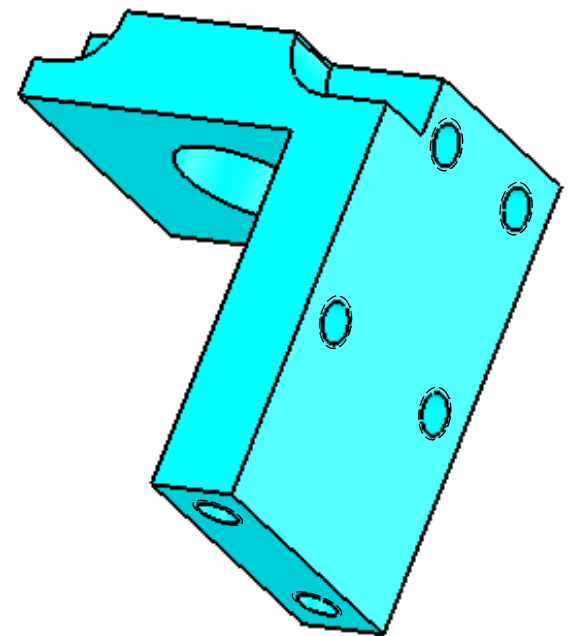
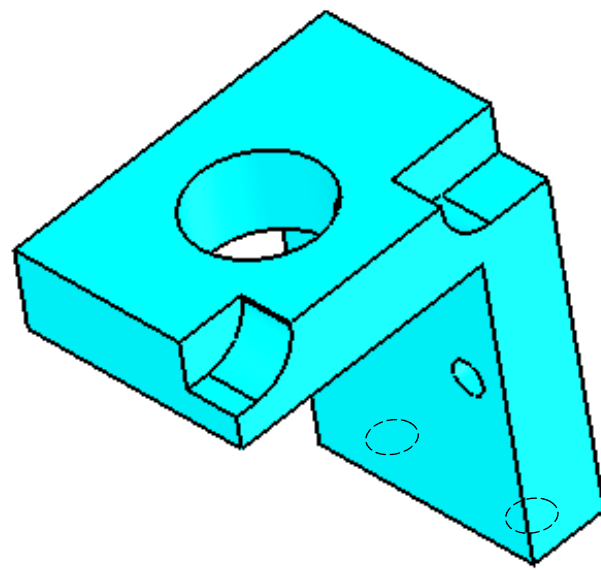
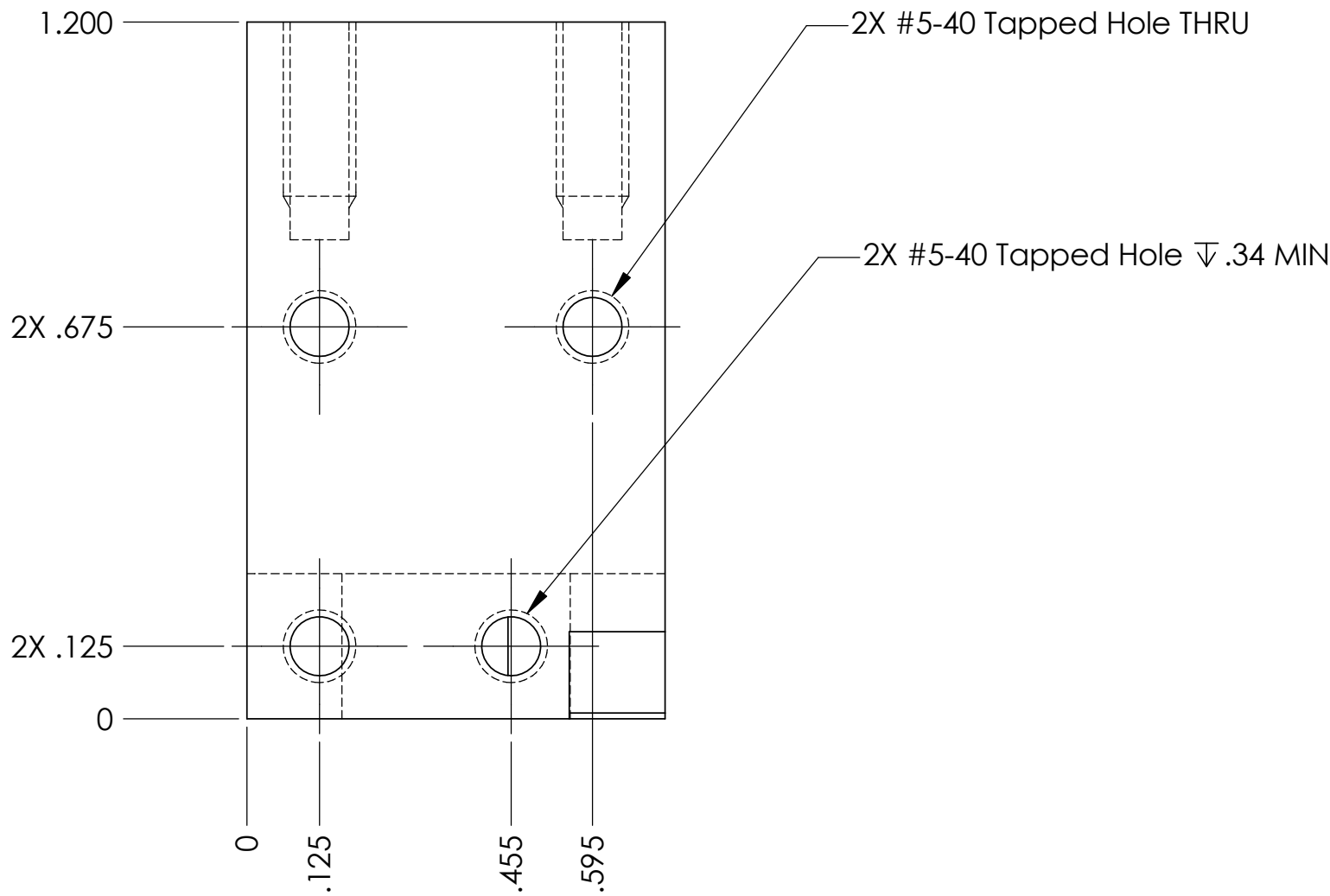
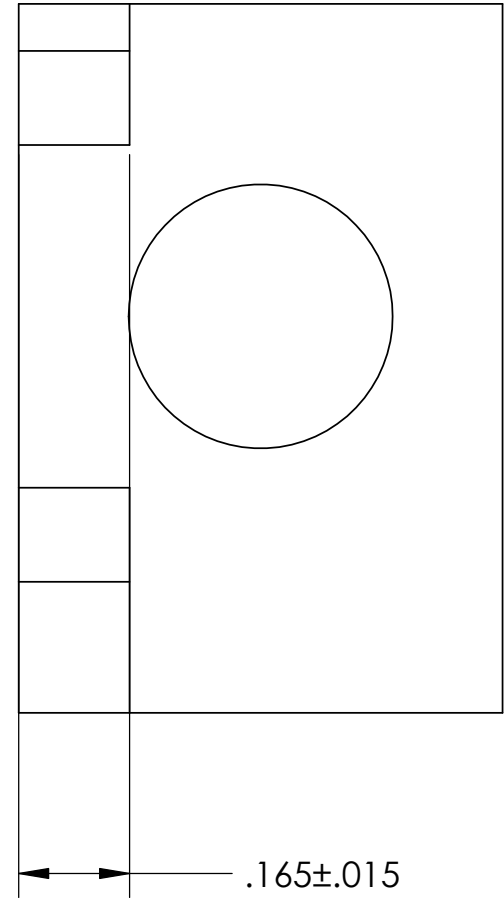
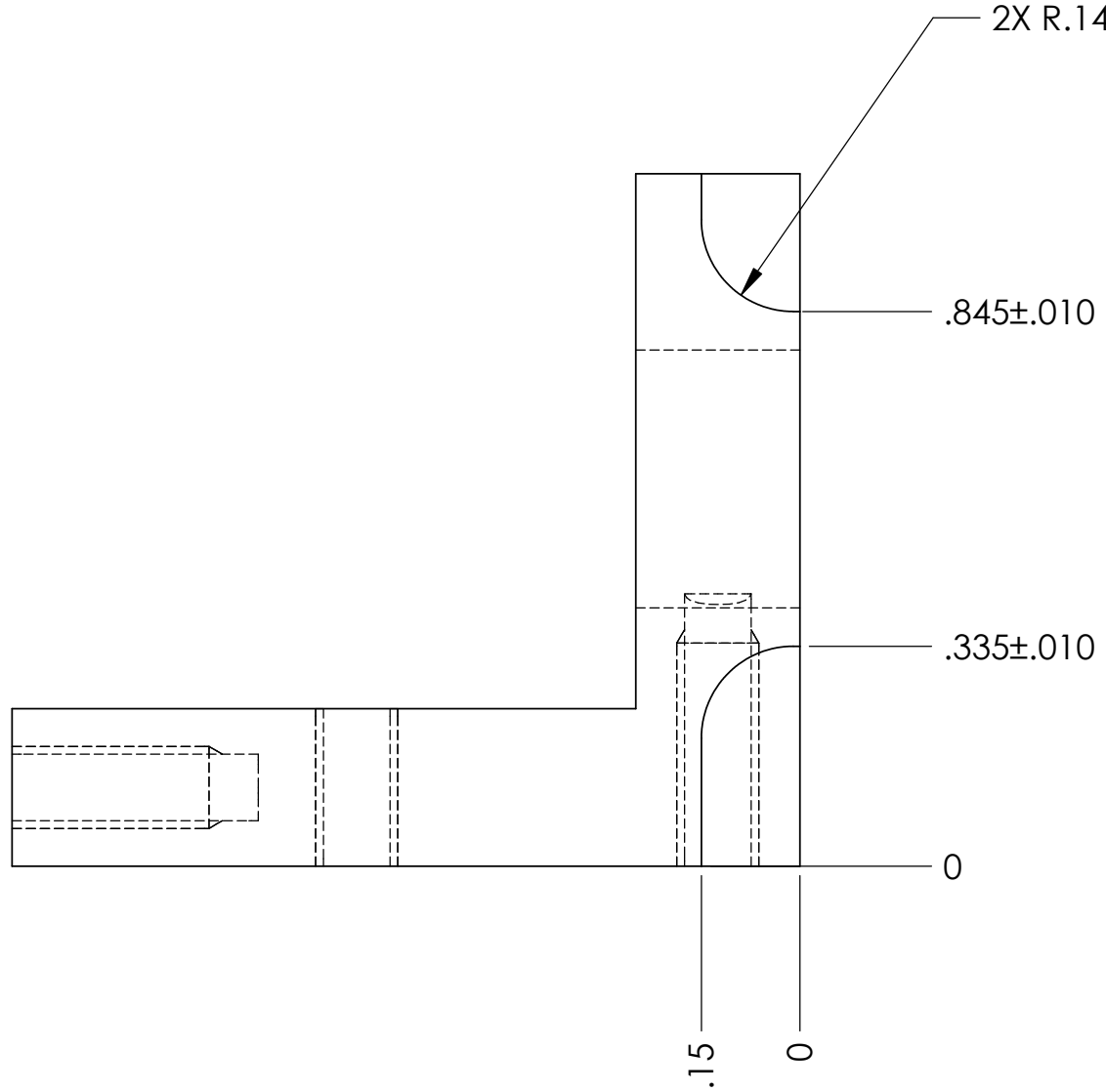
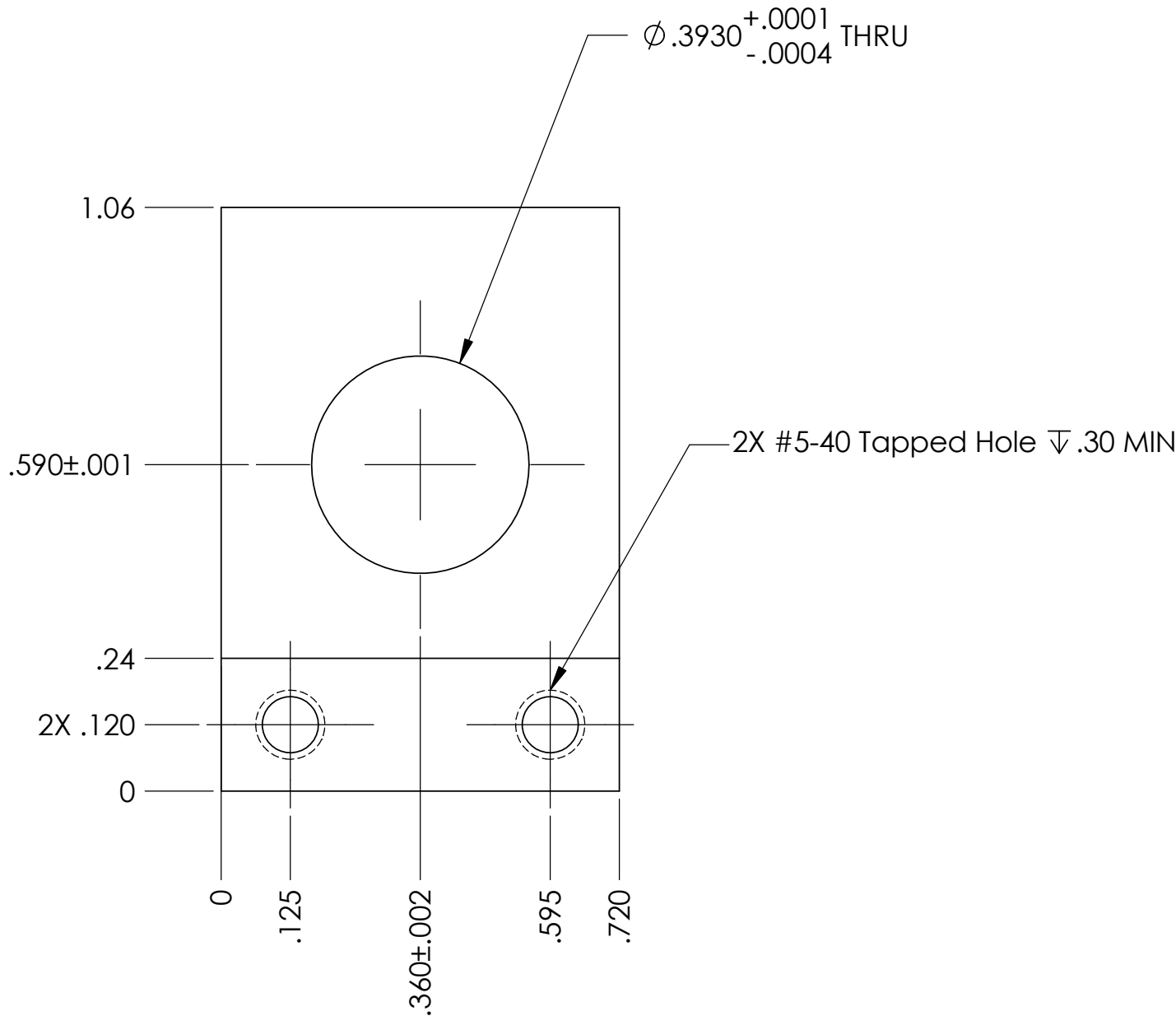


ITEM NO.	QTY	PART NO.	MATERIAL	DESCRIPTION
2	3	1002258-002	17-4 Stainless Steel	syringe motor mount
4	3	1002258-004	17-4 Stainless Steel	shoulder screw mount

BILL OF MATERIALS				last updated on: Monday, August 01, 2005 2:36:20 PM	
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		1 PLACE DIM ±.016	2 PLACE DIM ±.01	3 PLACE DIM ±.005	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		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .001 PER INCH. MAX .010 INCHES FOR SINGLE SURFACE.			
NEXT ASSY Description NEXT ASSY Number		7. SURFACE FINISH TO BE 63 MICRON UNLESS OTHERWISE SPECIFIED			
DO NOT SCALE DRAWING		ENGINEER Jason Feldman 831-775-1837		Monterey Bay Aquarium Research Institute  7700 Sandholdt Road Moss Landing, CA 95039	
		CHECKED		PROJECT NUMBER 701312.00	
		PROJECT ESP 2G		SIZE C	DWG. NO. 1002258
		CAD FILE: X:\701312 ESP 2G\SolidWorks files\internal structure (1002209)		REV. A	
		SHEET 4 OF 7			

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1002258-003
SYRINGE MOTOR BRACKET



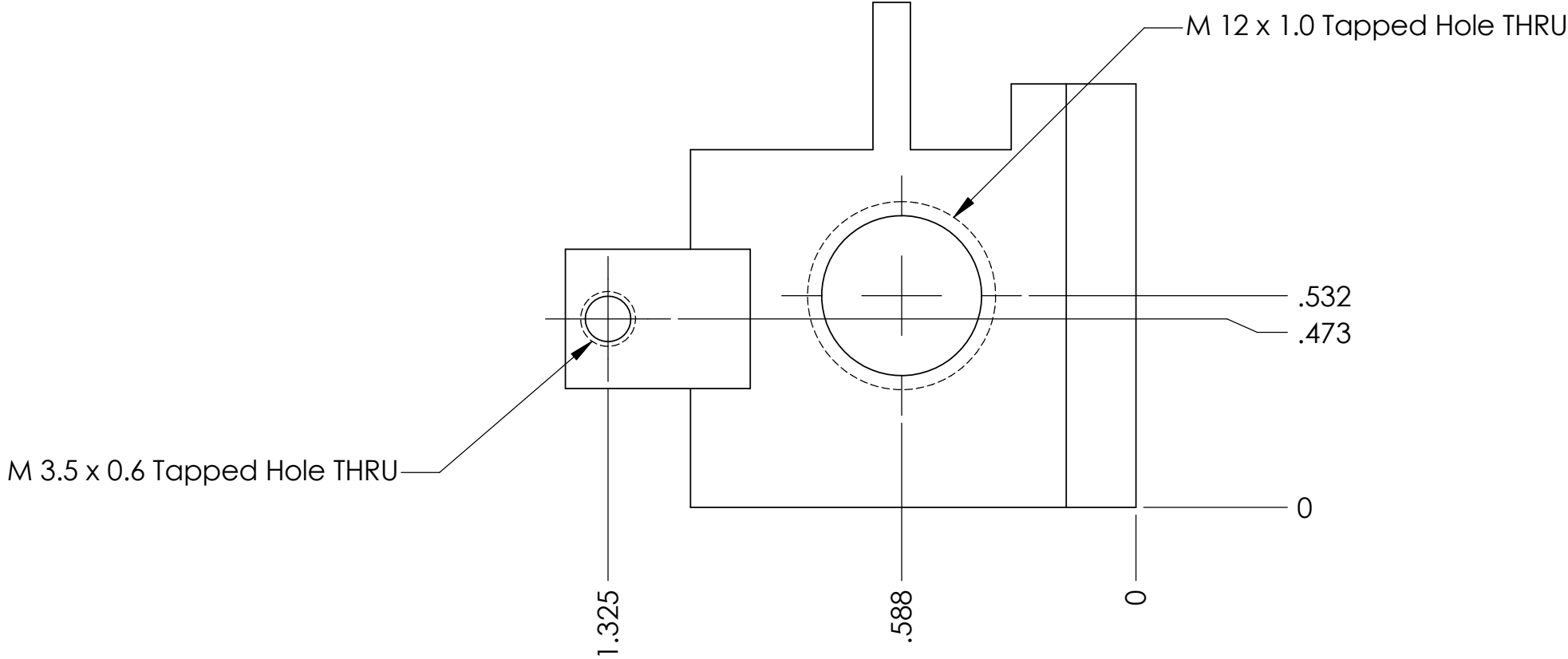
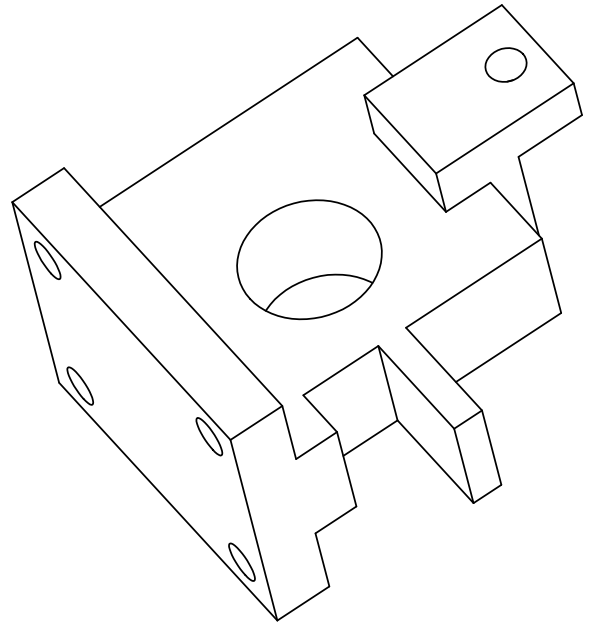
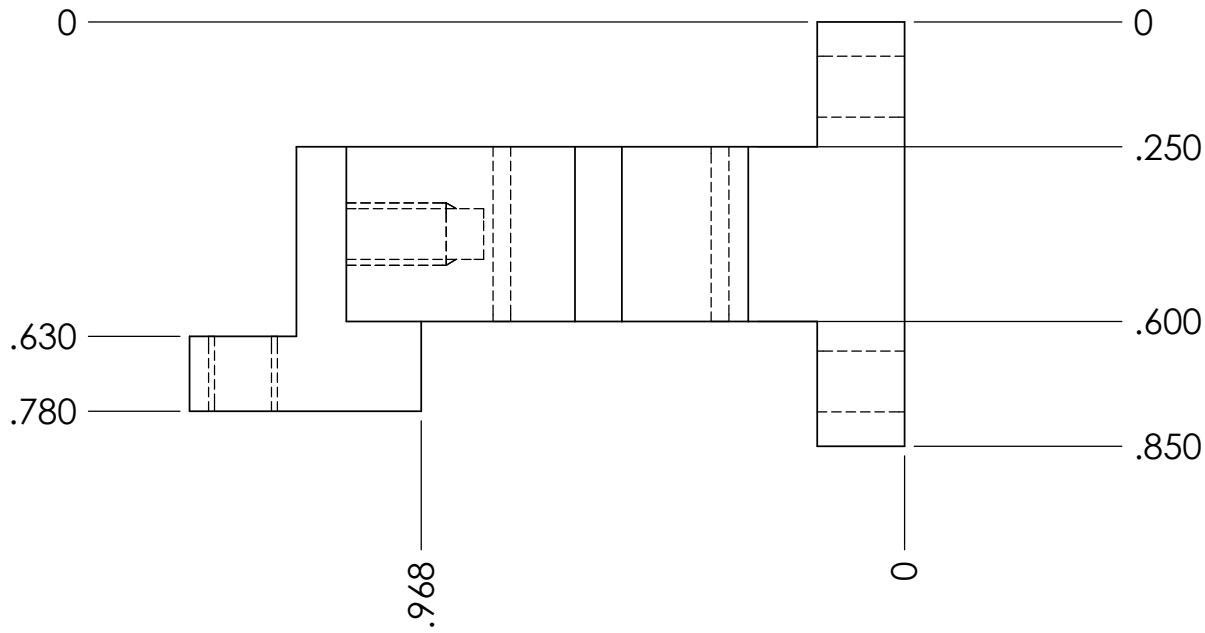
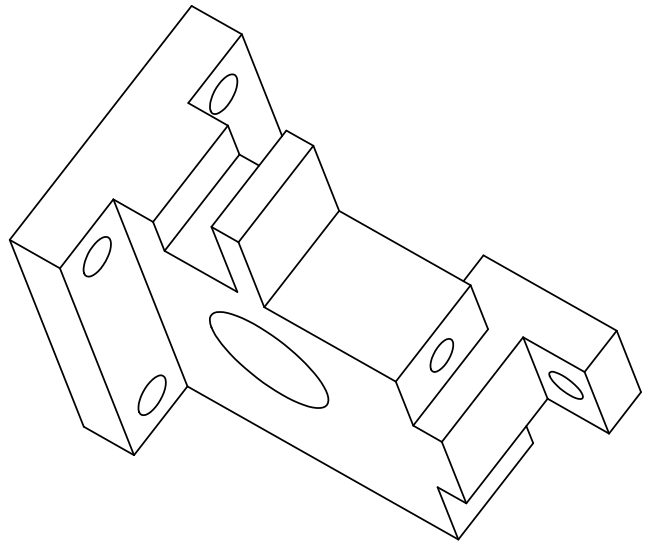
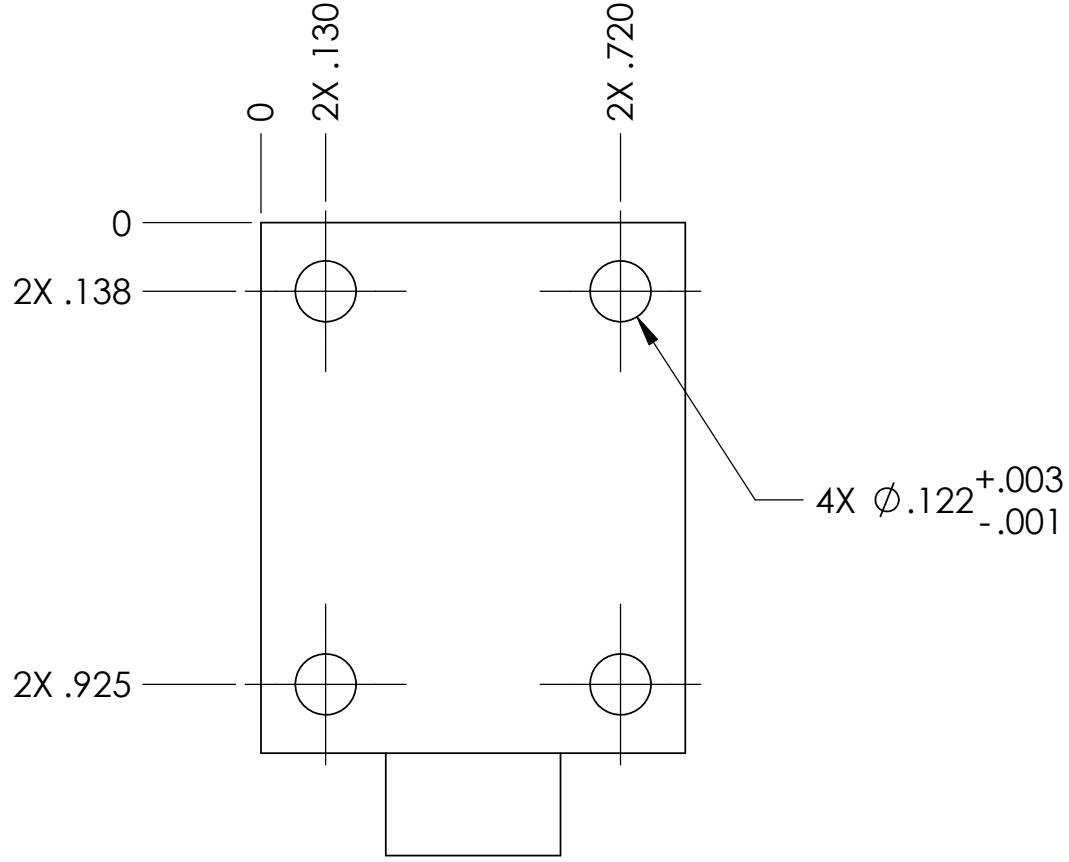
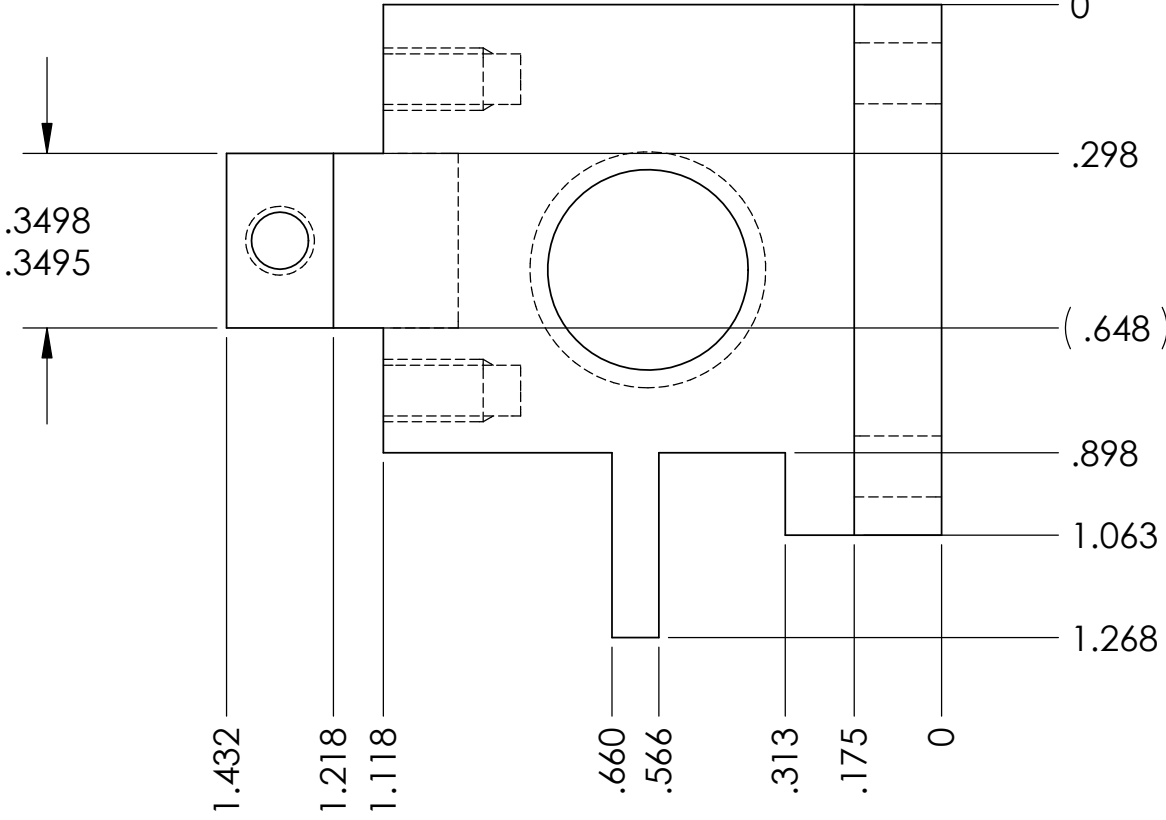
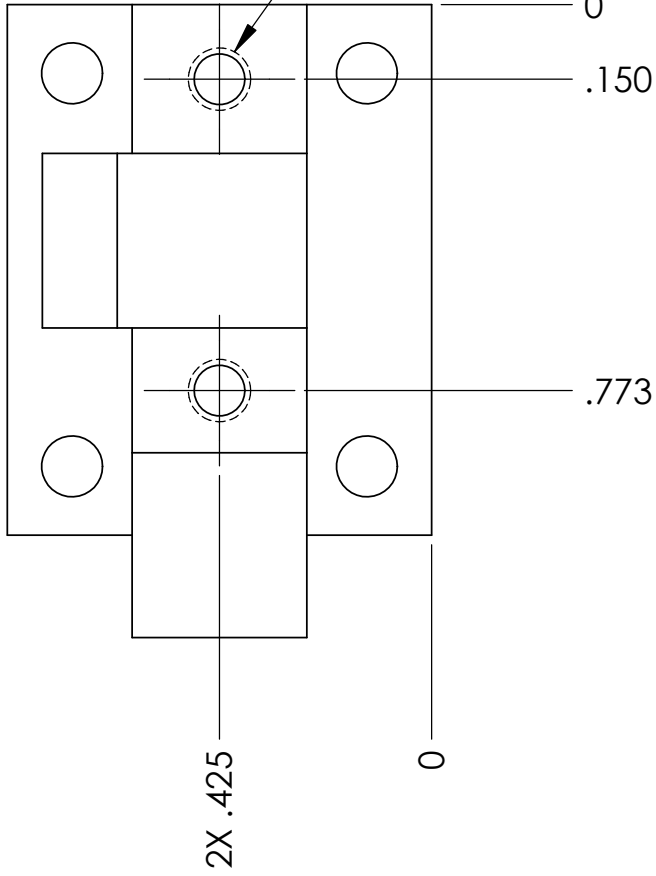
Material: 17-4 Stainless Steel
Qty: 3

BILL OF MATERIALS					last updated on: Monday, August 01, 2005 2:36:20 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°	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				
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				
NEXT ASSY Description	NEXT ASSY Number	PROJECT NUMBER 701312.00				
		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 5 OF 7	

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1002258-005
SYRINGE CAR

2X #5-40 Tapped Hole ∇ .20



ITEM NO.	QTY	PART NO.	MATERIAL	DESCRIPTION
5	3	1002258-005	17-4 Stainless Steel	syringe arm

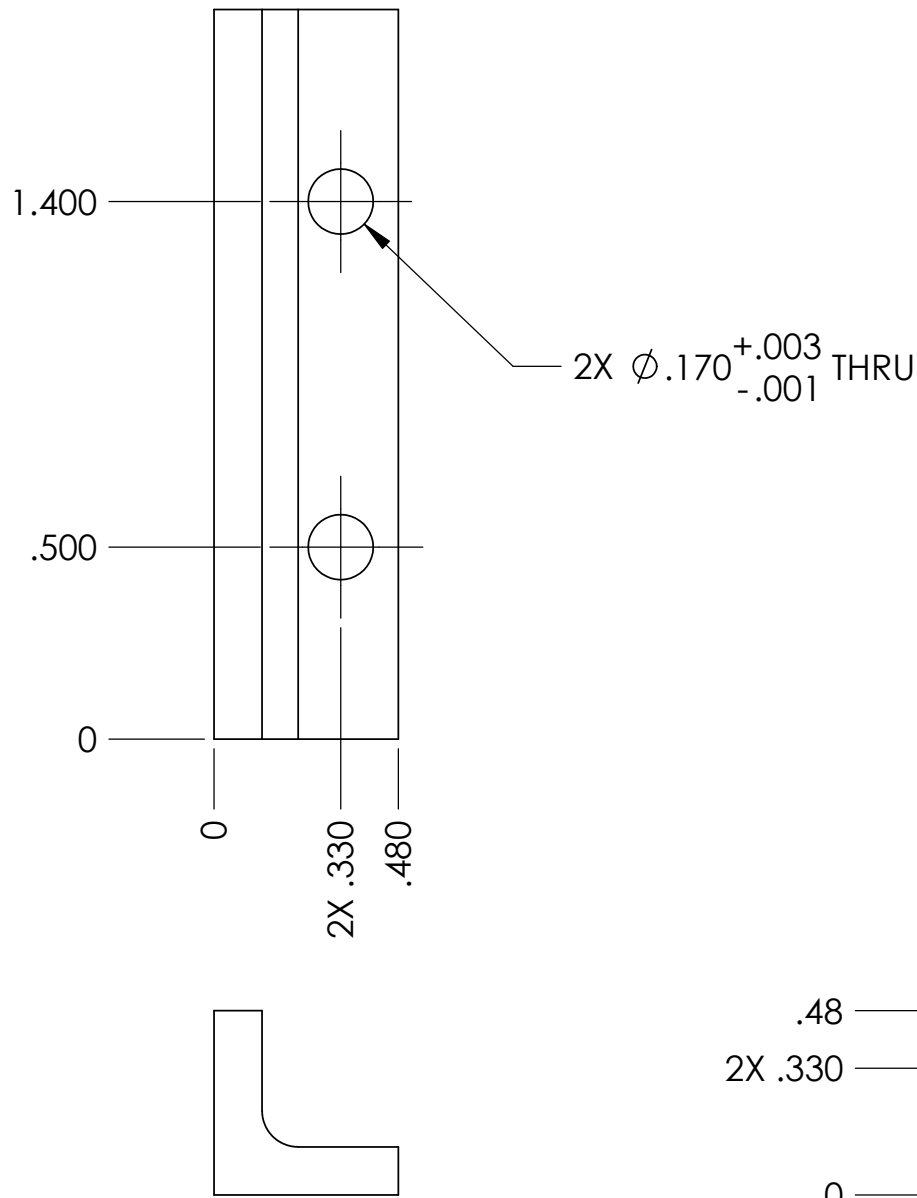
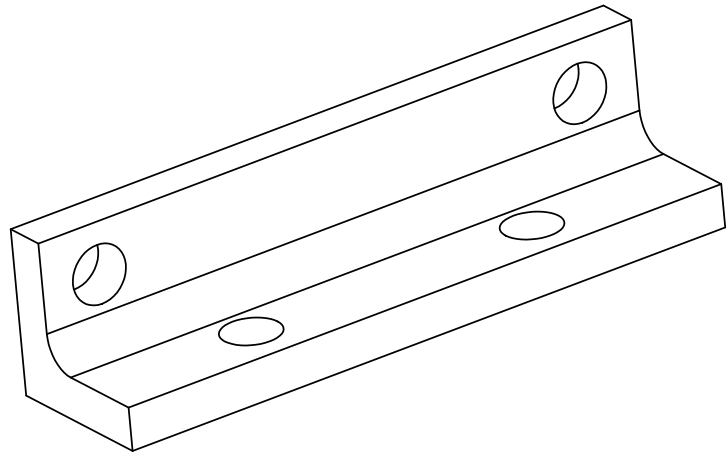
BILL OF MATERIALS				last updated on: Monday, August 01, 2005 2:36:20 PM	
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		1 PLACE DIM $\pm$ 1/16	2 PLACE DIM $\pm$.01	3 PLACE DIM $\pm$.005	ANGLES $\pm$ 1°
Shop Foreman		1. DIMENSIONS ARE IN INCHES		ENGINEER Jason Feldman 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)	
				SHEET 6 OF 7	



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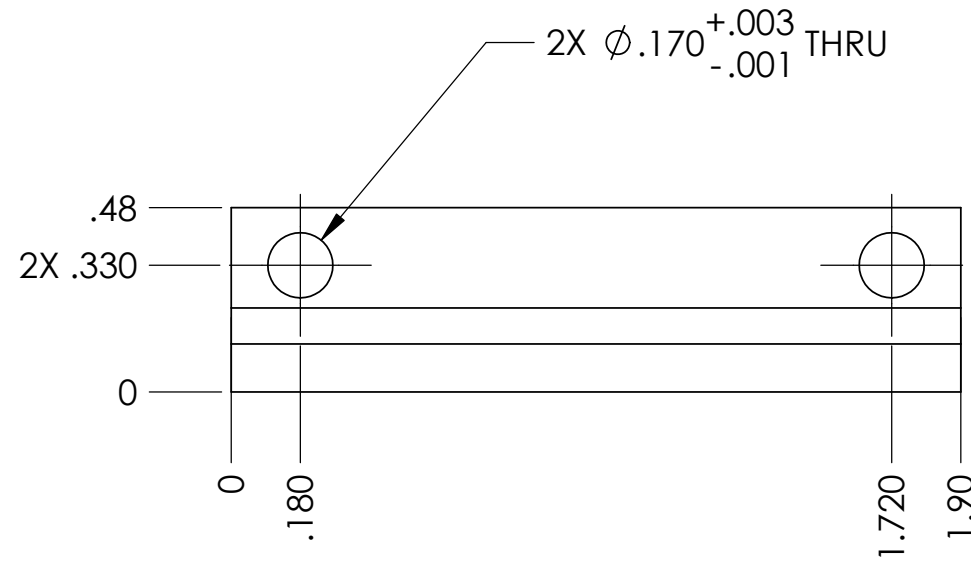
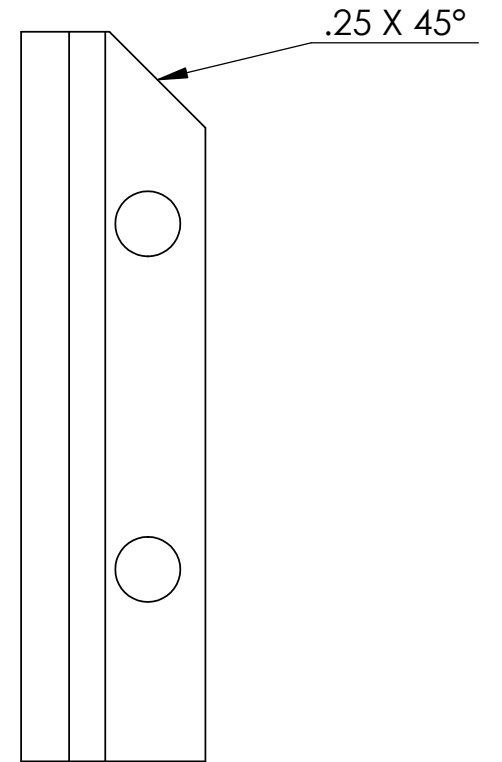
1002258-007
SYRINGE MOUNTING BRACKET - LONG

Mat'l: 6061-T6 Aluminum
Qty: 3



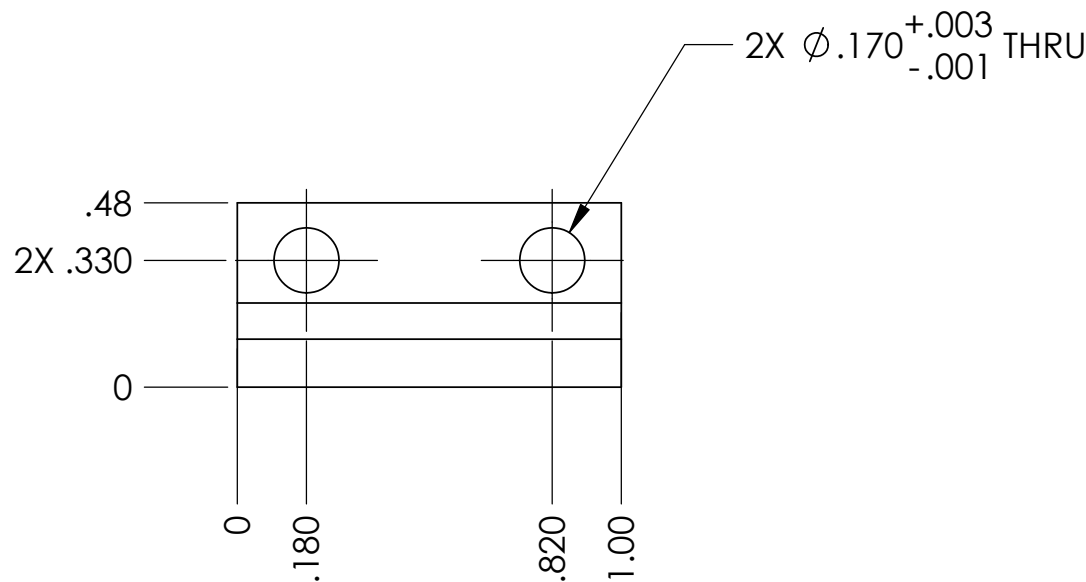
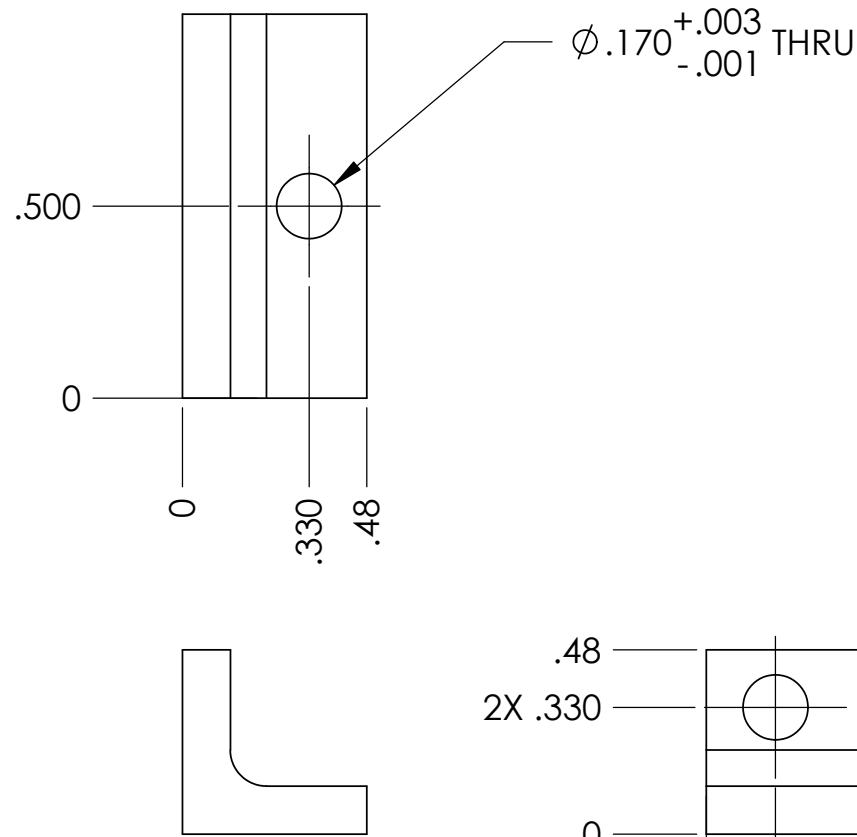
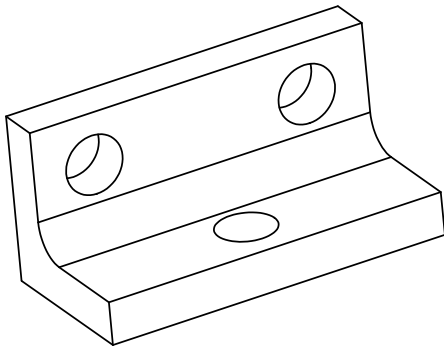
1002258-007
MODIFICATION FOR COLLECTION

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: Monday, August 01, 2005 2:36:20 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	Monterey Bay Aquarium Research Institute 7700 Sandholdt Road Moss Landing, CA 95039
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°		
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	
DO NOT SCALE DRAWING		SIZE C	DWG. NO. 1002258	REV. A	
CAD FILE: X:\701312 ESP 2G\SolidWorks files\internal structure (1002209) SHEET 7 OF 7					