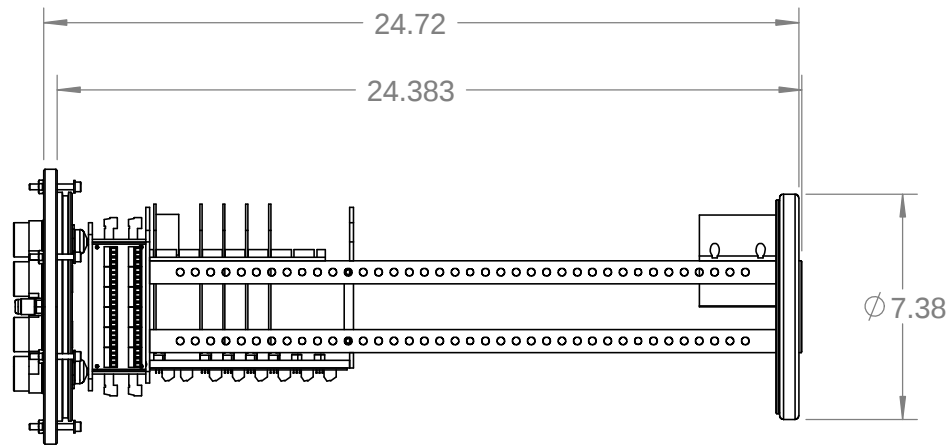
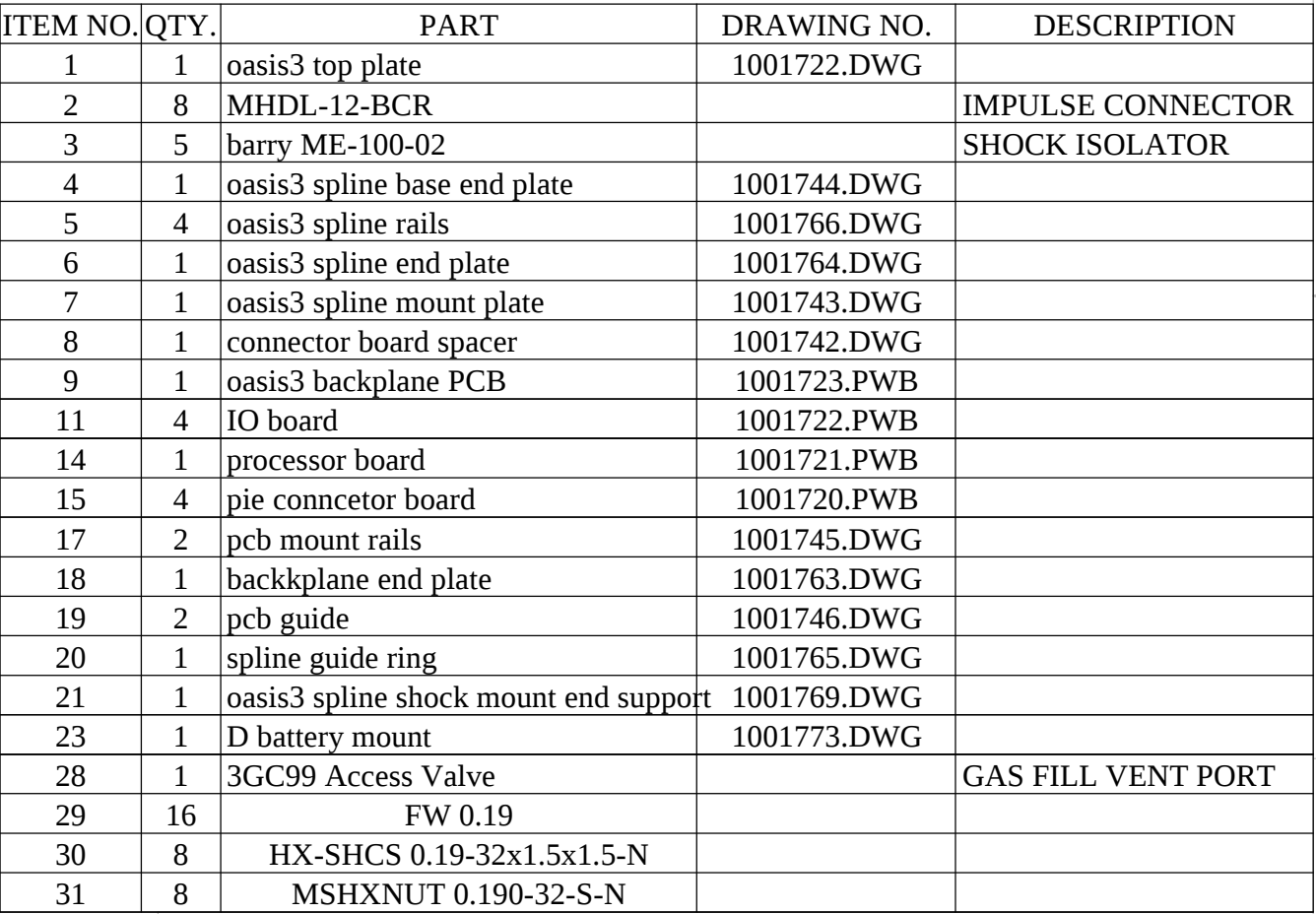
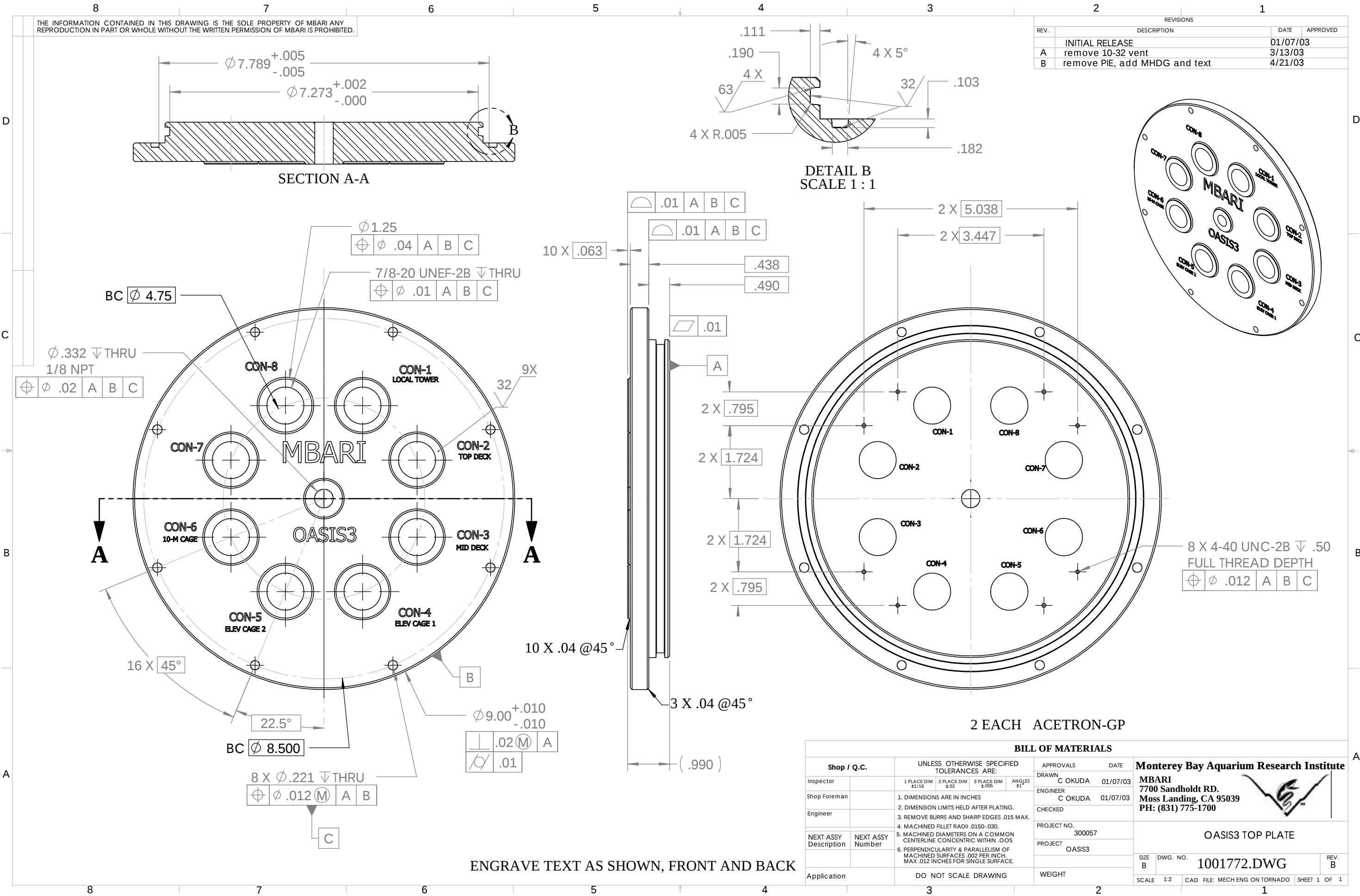


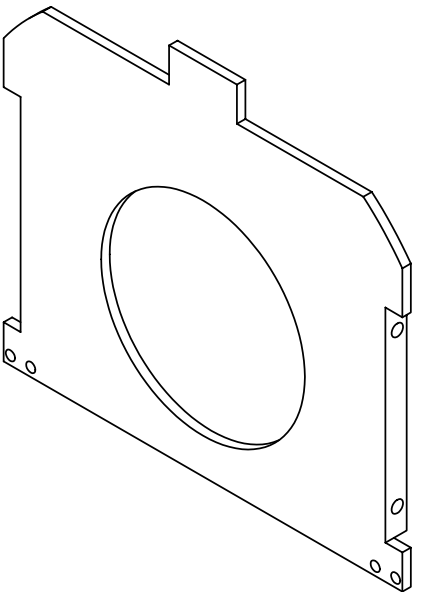
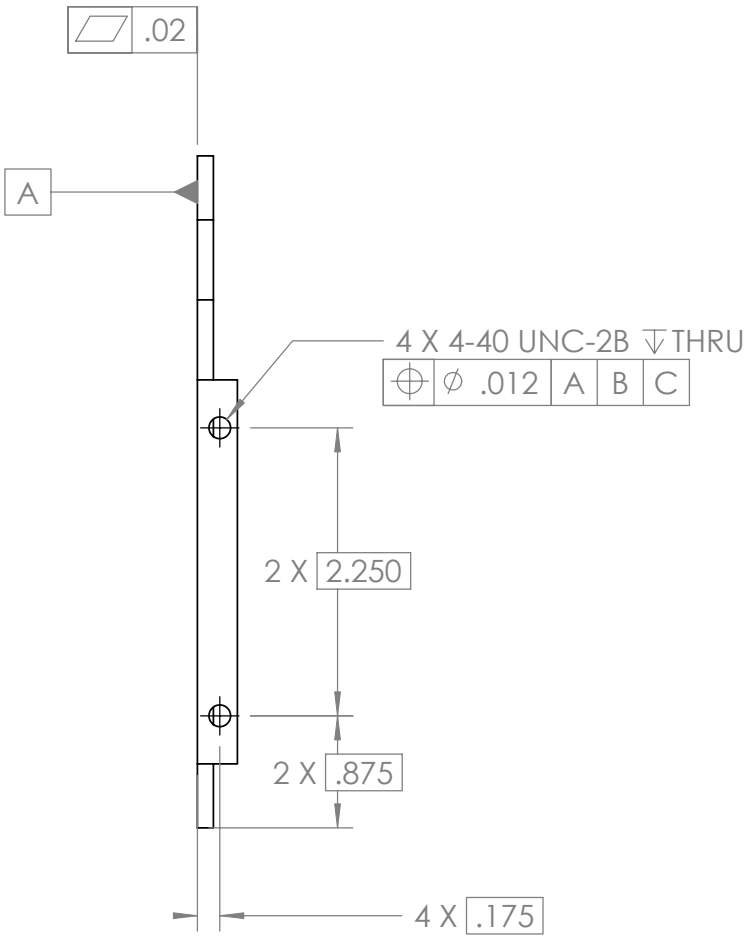
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	01/07/03	
A	remove pie, add text, add MHDG	4/21/03	



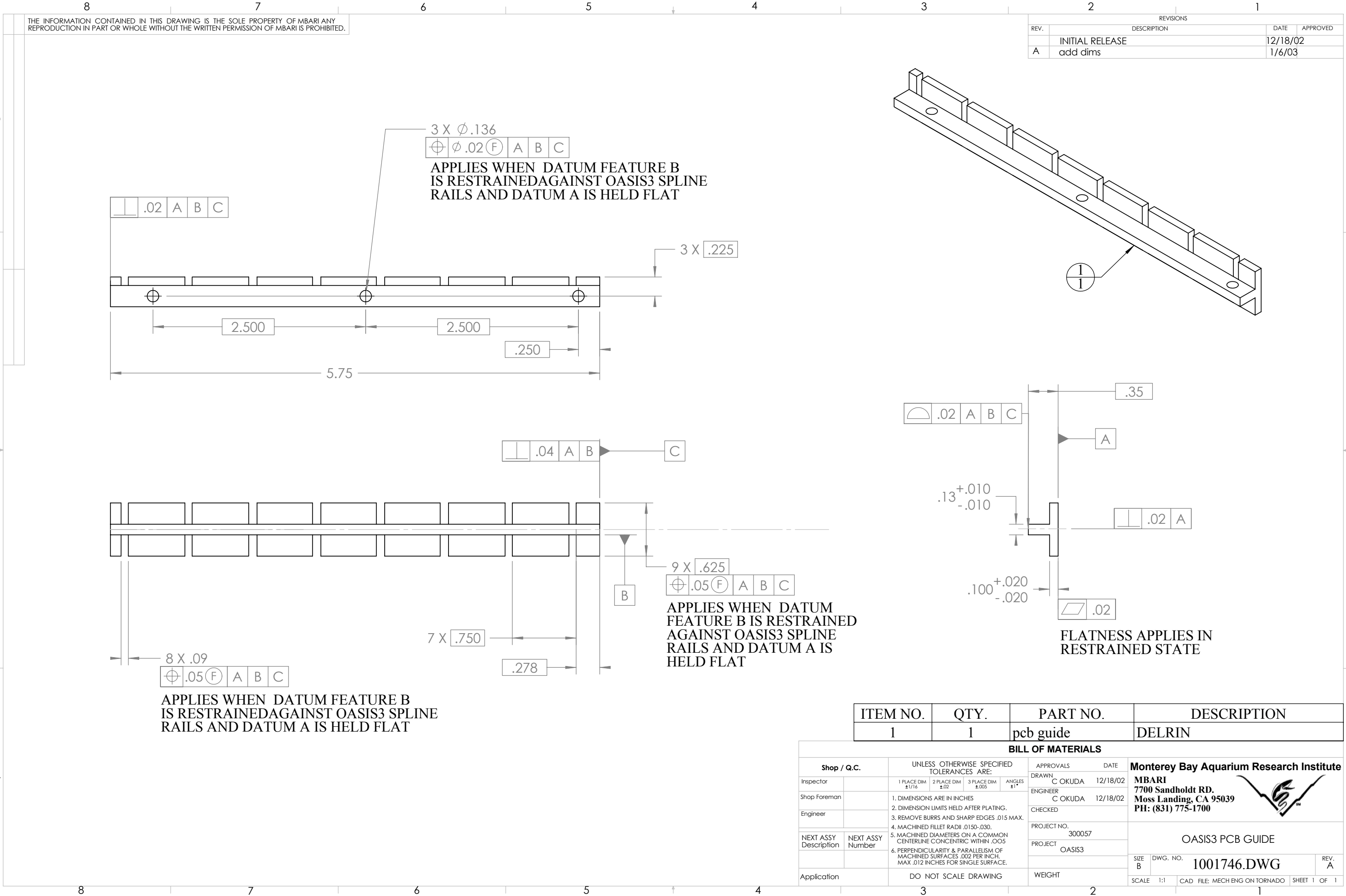
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700			
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1	DRAWN	C OKUDA	01/07/03					
Shop Foreman		1. DIMENSIONS ARE IN INCHES				ENGINEER	C OKUDA	01/07/03					
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED							
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.	300057						
NEXT ASSY Description	NEXT ASSY Number	4. MACHINED FILLET RADII .0150-.030.				PROJECT	OASIS3						
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				OASIS3 INTERNAL ASSEMBLY							
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.											
Application		DO NOT SCALE DRAWING				WEIGHT				SIZE B DWG. NO. 1001772.DWG REV. A			
								SCALE 1:8 CAD FILE: MECH ENG ON TORNADO		SHEET 1 OF 1			

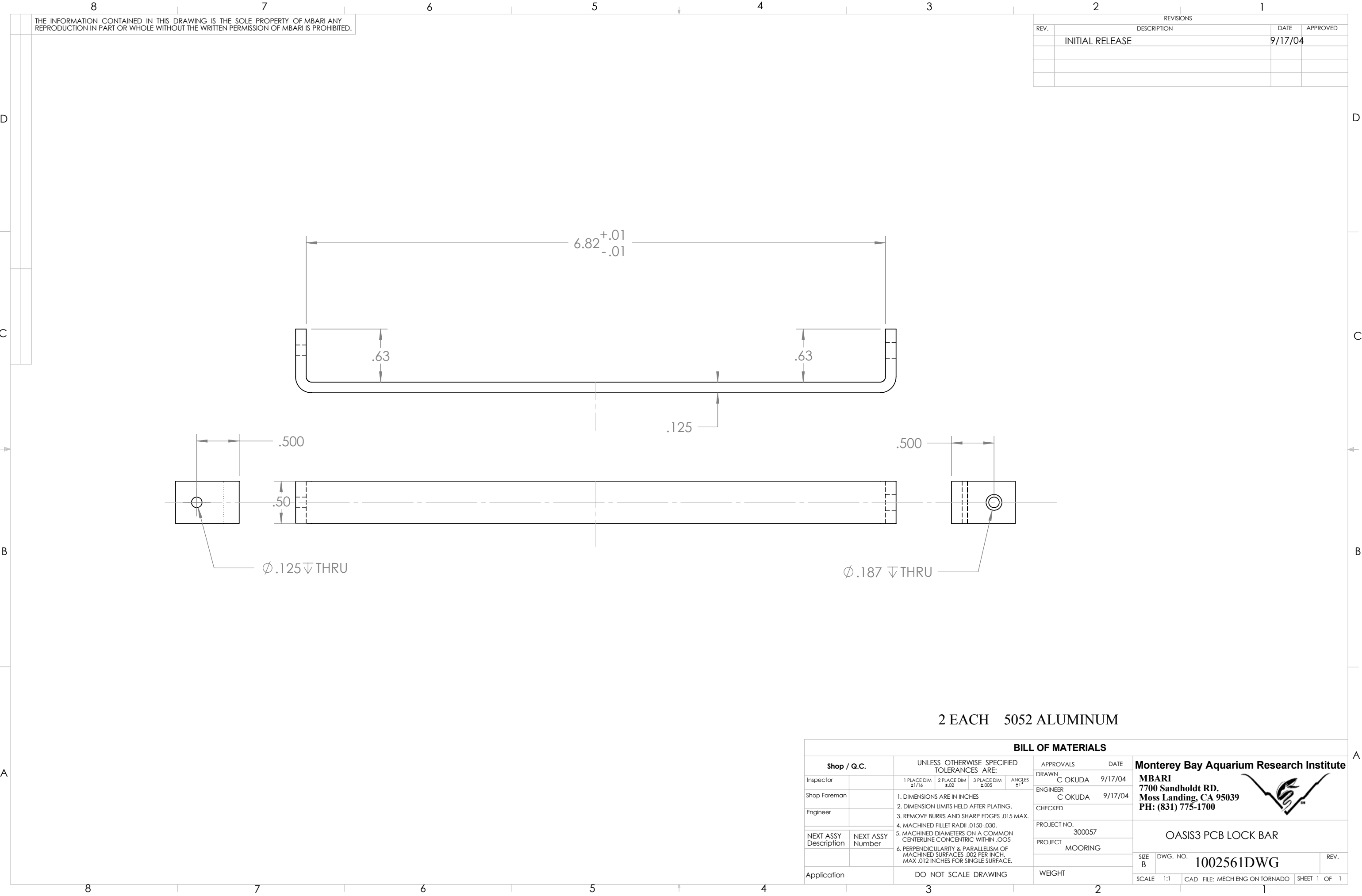


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	01/06/03	

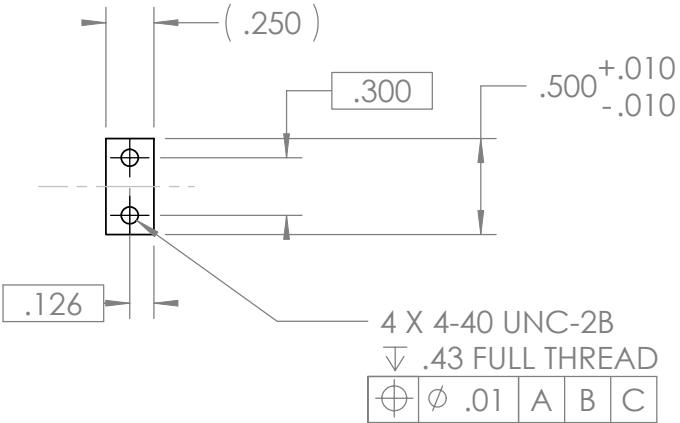
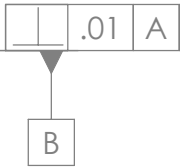
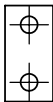


BILL OF MATERIALS									
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	C OKUDA	01/06/03	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER	C OKUDA	01/06/03	
Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	300057		
						PROJECT	OASIS3		
Application		DO NOT SCALE DRAWING				WEIGHT			
						SIZE B	DWG. NO. 1001763.DWG		REV.
						SCALE 1:2	CAD FILE: MECH ENG ON TORNADO		SHEET 1 OF 1





REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	12/18/02	



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	pcb mount rails	6061 T-6

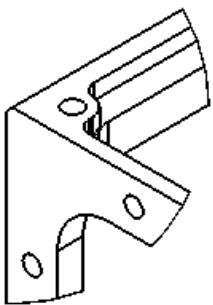
BILL OF MATERIALS									
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	C OKUDA	12/18/02	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER	C OKUDA	12/18/02	
Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	300057		
		PROJECT	OASIS3						
		OASIS3 PCB MOUNT RAIL							
		SIZE B	DWG. NO.		1001745.DWG				REV.
Application		DO NOT SCALE DRAWING		WEIGHT		SCALE 1:1 CAD FILE: MECH ENG ON TORNADO SHEET 1 OF 1			

PART IS SYMETRIC FRONT/BACK
NOT RIGHT/LEFT

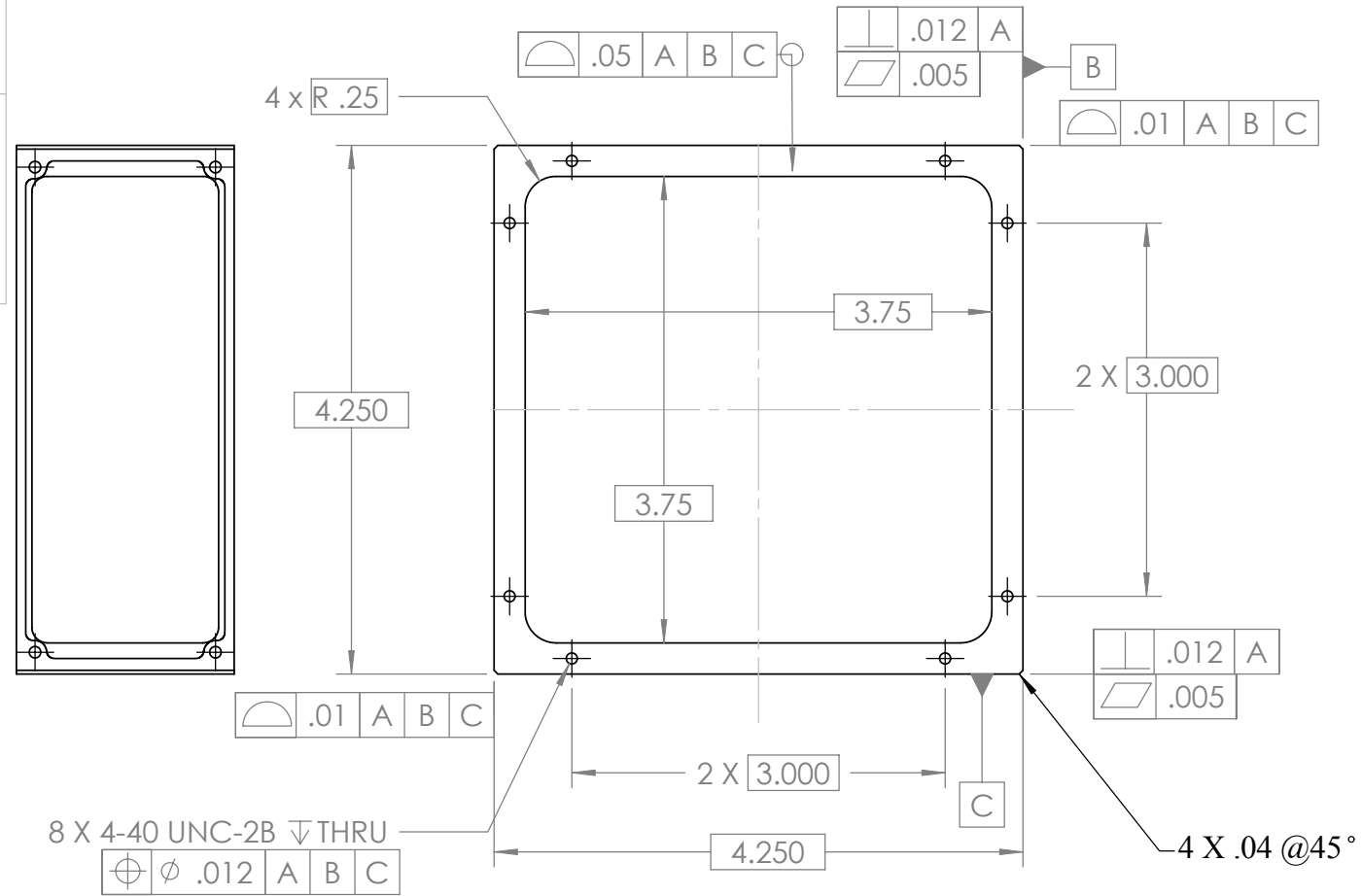
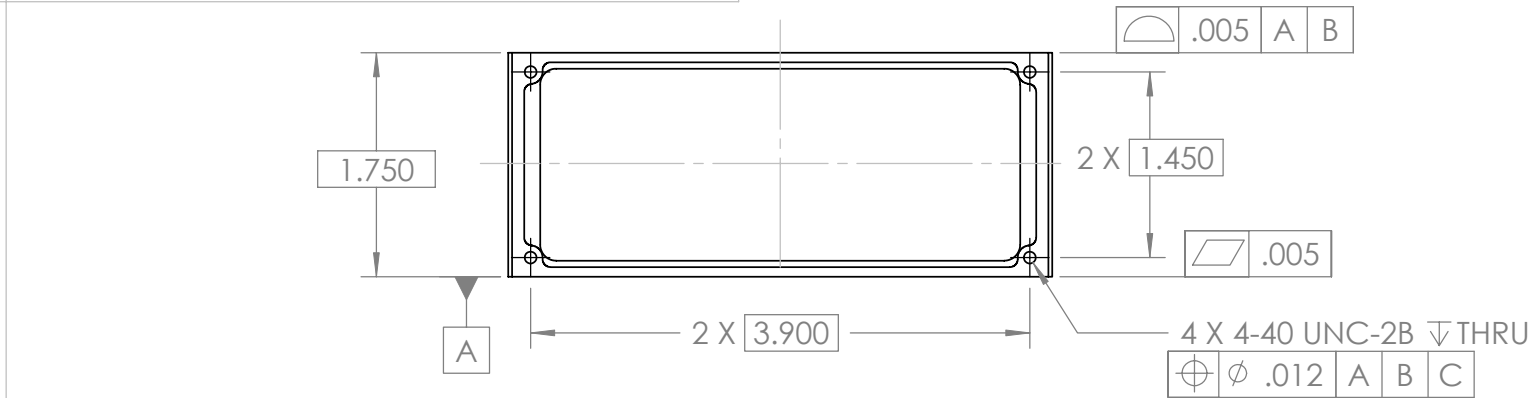
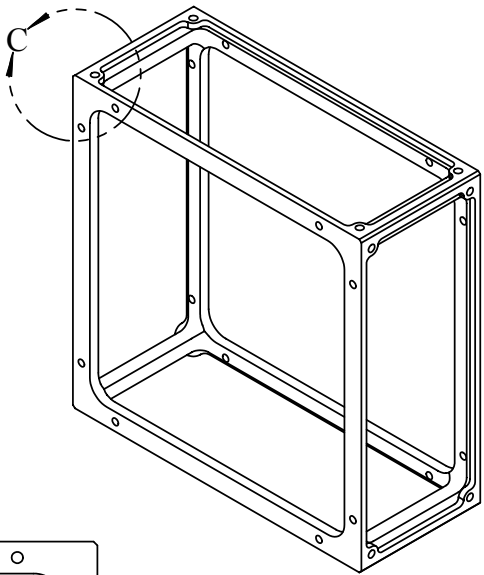
ANODIZE PER MIL-8625F TYPE IIB CLASS 1 COLOR BLUE

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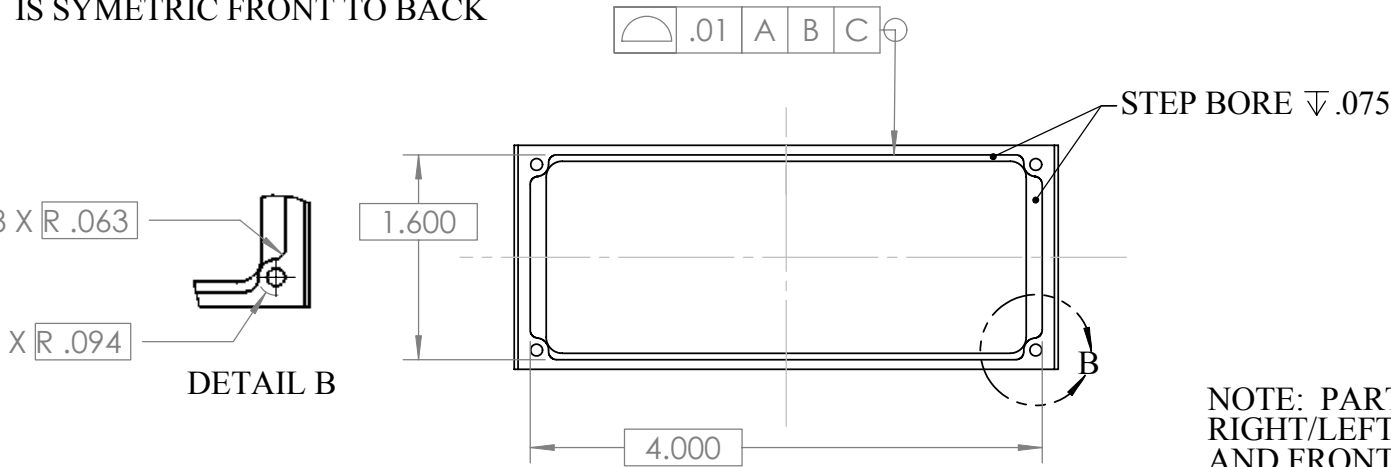
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	12/17/02	



DETAIL C
SCALE 1.5 : 1



THREADED HOLE PATTERN
IS SYMETRIC FRONT TO BACK



DETAIL B

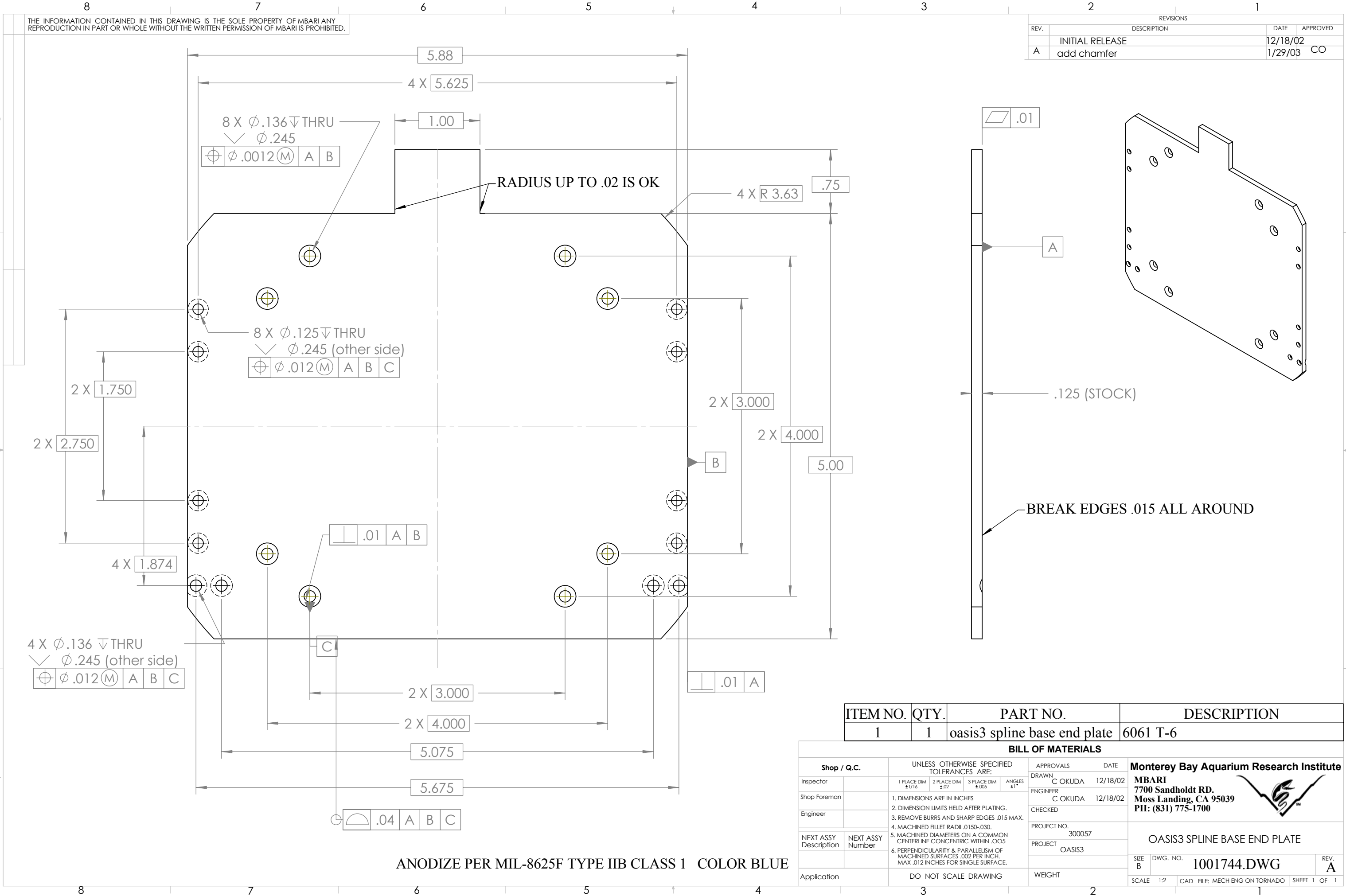
STEP BORE $\nabla .075$

NOTE: PART IS SYMETRIC ABOUT
RIGHT/LEFT, TOP/ BOTTOM
AND FRONT/BACK

ANODIZE PER MIL-8625 TYPE IIB CLASS 1 COLOR BLUE

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	connector board spacer	6061 T-6

BILL OF MATERIALS									
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	C OKUDA	12/17/02	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER	C OKUDA	12/17/02	
Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	300057		
		PROJECT	OASIS3	OASIS3 PIE CON BOARD SPACER					
Application		DO NOT SCALE DRAWING				WEIGHT		SIZE B DWG. NO. 1001742.DWG REV.	
		SCALE 1:1		CAD FILE: MECH ENG ON TORNADO		SHEET 1 OF 1			



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	12/18/02	
A	add chamfer	1/29/03	CO

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	oasis3 spline base end plate	6061 T-6

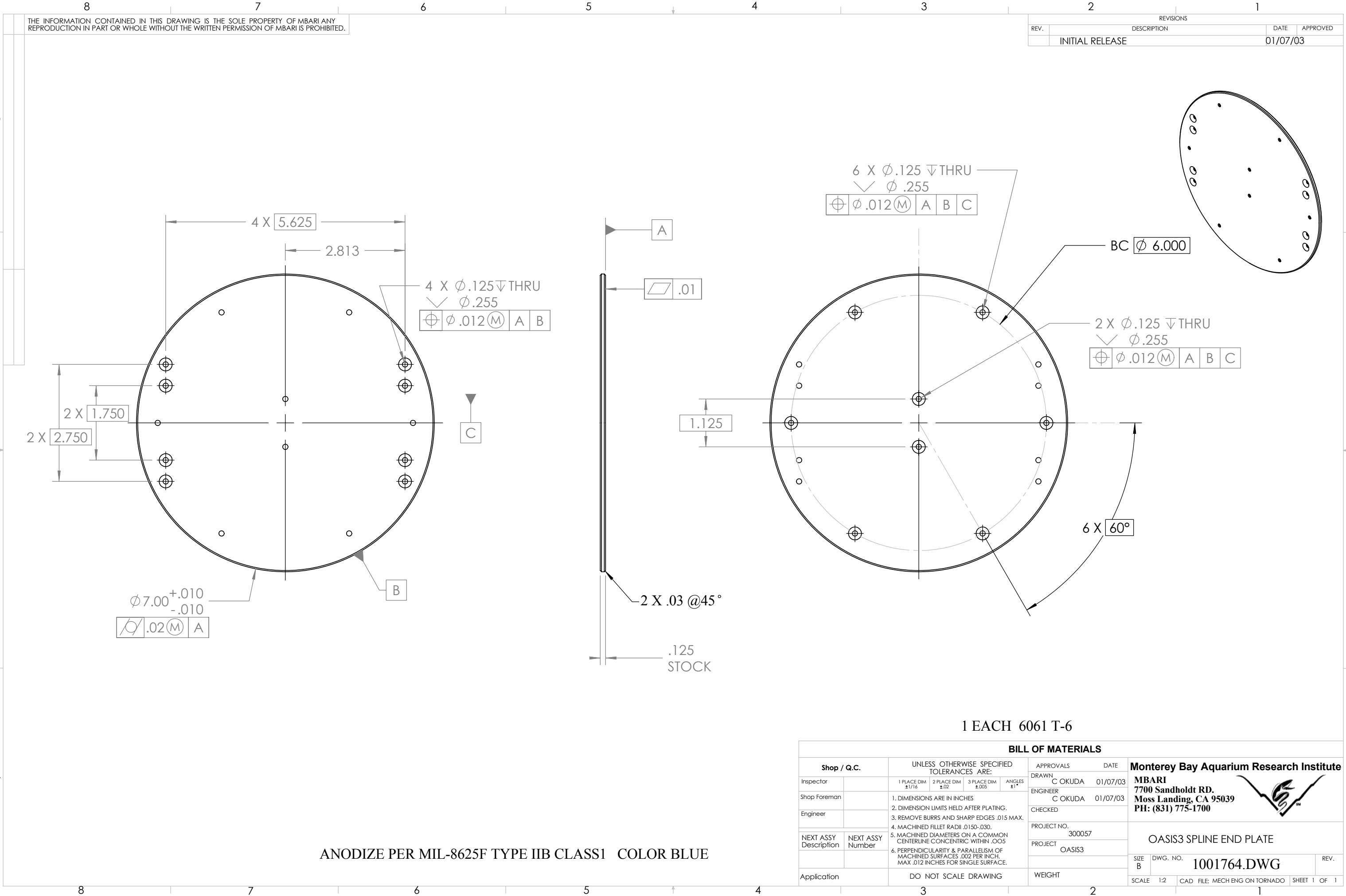
BILL OF MATERIALS			
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°
Engineer		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.	
NEXT ASSY Description	NEXT ASSY Number	APPROVALS DATE	
		DRAWN C OKUDA	12/18/02
		ENGINEER C OKUDA	12/18/02
		CHECKED	
		PROJECT NO. 300057	
		PROJECT OASIS3	
		WEIGHT	
		DO NOT SCALE DRAWING	
		SCALE 1:2	
		CAD FILE: MECH ENG ON TORNADO	
		SHEET 1 OF 1	

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7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700



OASIS3 SPLINE BASE END PLATE

SIZE B DWG. NO. 1001744.DWG REV. A



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
INITIAL RELEASE		01/07/03	

ANODIZE PER MIL-8625F TYPE IIB CLASS1 COLOR BLUE

1 EACH 6061 T-6

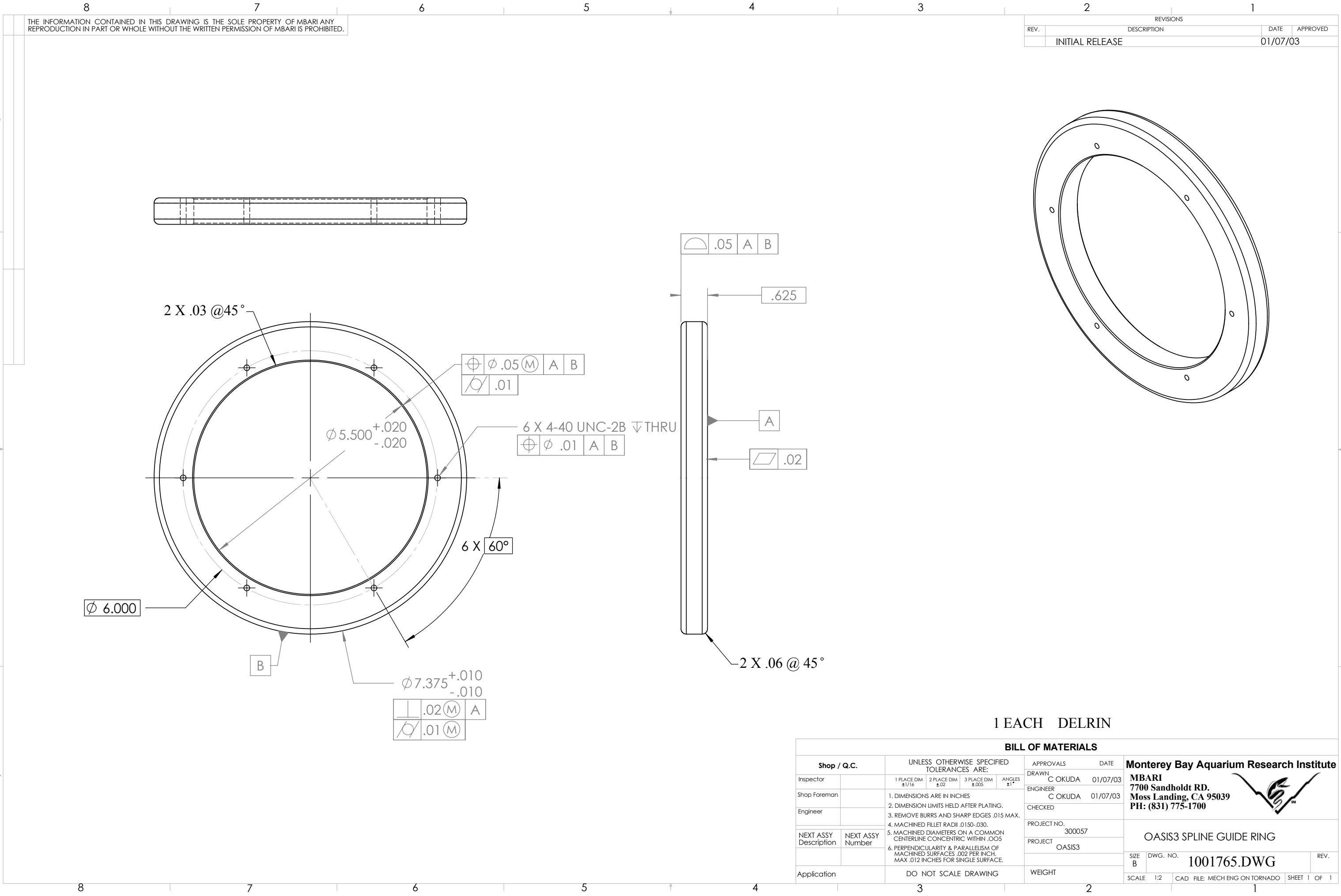
BILL OF MATERIALS											
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	C OKUDA	01/07/03			
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER	C OKUDA	01/07/03			
Engineer						CHECKED					
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	300057				
						PROJECT	OASIS3				
Application		DO NOT SCALE DRAWING				WEIGHT					
						SIZE B	DWG. NO.		1001764.DWG		REV.
						SCALE	1:2	CAD FILE: MECH ENG ON TORNADO		SHEET 1	OF 1

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Moss Landing, CA 95039
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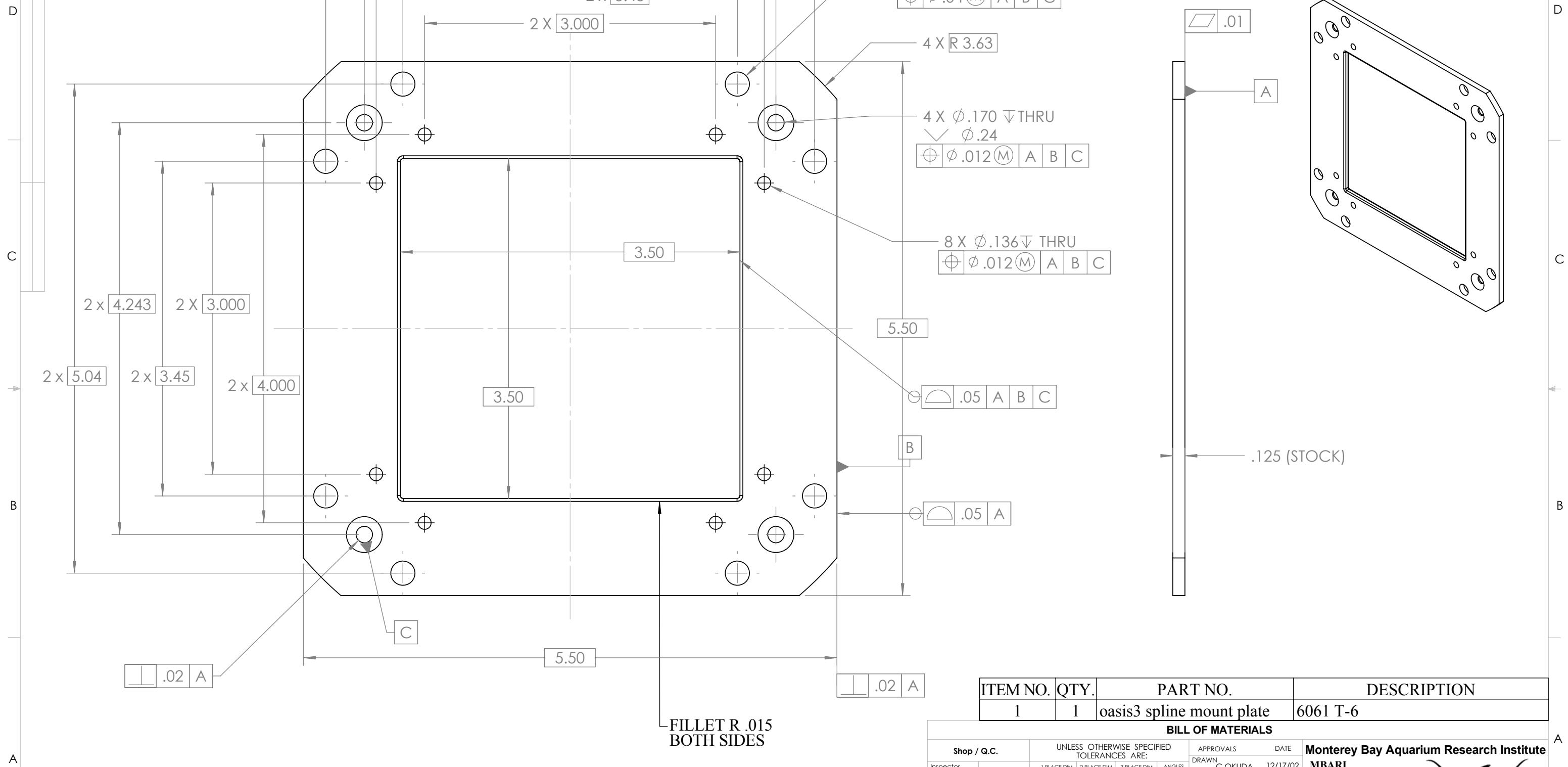
OASIS3 SPLINE END PLATE

SIZE B DWG. NO. 1001764.DWG REV.



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	12/17/02	
A	add counter sinks	1/29/03	CO
B	ADD BOLT CLEARANCE HOLES	3/13/03	CO



ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	oasis3 spline mount plate	6061 T-6

BILL OF MATERIALS											
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN C OKUDA	12/17/02				
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030.				ENGINEER C OKUDA	12/17/02				
Engineer						CHECKED					
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				PROJECT NO.		300057		OASIS3 SPLINE MOUNT PLATE	
						PROJECT		OASIS3			
						WEIGHT					
Application		DO NOT SCALE DRAWING				SIZE B		DWG. NO.		REV. B	
						SCALE 1:2		CAD FILE: MECH ENG ON TORNADO		SHEET 1 OF 1	

ANODIZE PER MIL-8625F TYPE IIB CLASS 1 COLOR BLUE

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	01/07/03	

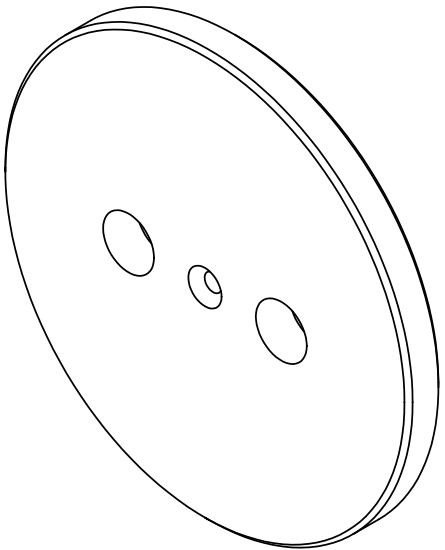
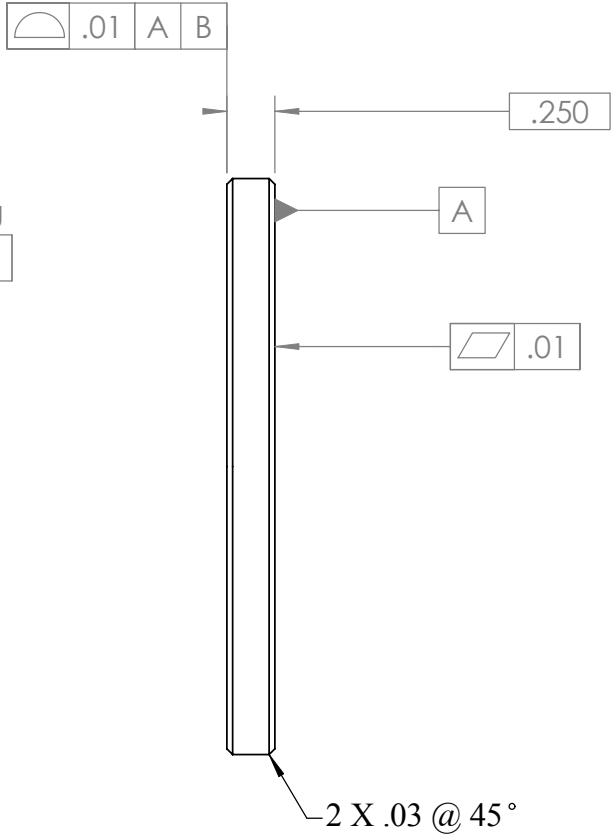
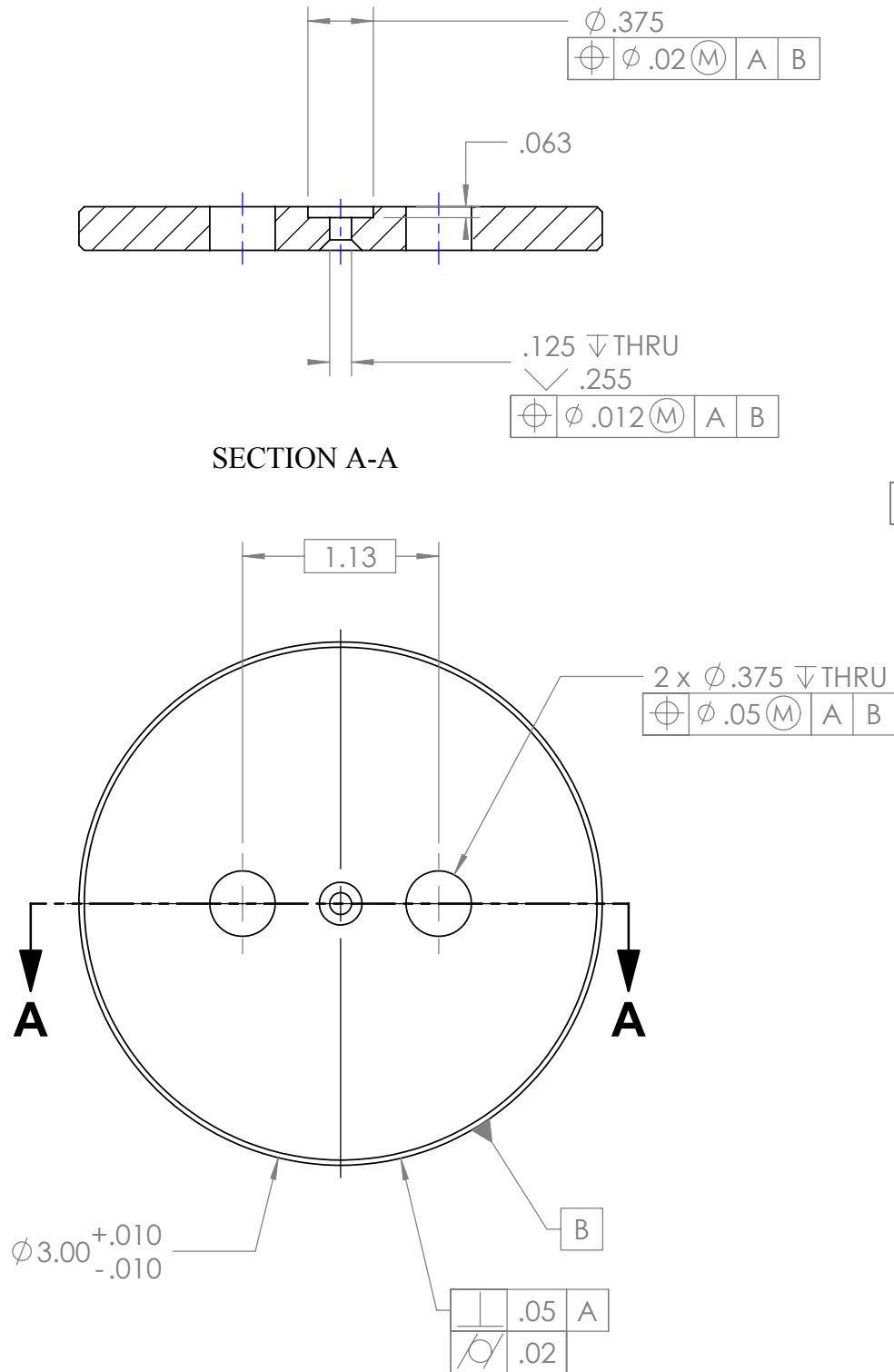


4 EACH 6061 T-6

BILL OF MATERIALS										
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	C OKUDA	01/07/03		
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADI. .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER	C OKUDA	01/07/03		
Engineer						CHECKED				
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	300057			
		PROJECT	OASIS3							
		OASIS3 SPLINE RAILS								
Application		DO NOT SCALE DRAWING				WEIGHT		SIZE B	DWG. NO. 1001766.DWG	REV.
								SCALE 1:8	CAD FILE: MECH ENG ON TORNADO	SHEET 1 OF 1

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	01/07/03	
A	change plate thickness	03/10/03	
B	add wernch celarance holes	03/13/03	



1 EACH DELRIN

BILL OF MATERIALS									
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	C OKUDA	01/07/03	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADI .0150-.030. 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER	C OKUDA	01/07/03	
Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	300057		
		PROJECT	OASIS3		OASIS3 SPLINE SHOCK MOUNT END SUPPORT				
Application		DO NOT SCALE DRAWING				WEIGHT		SIZE B DWG. NO. 1001769.DWG REV. B	
		SCALE 1:1		CAD FILE: MECH ENG ON TORNADO		SHEET 1		OF 1	