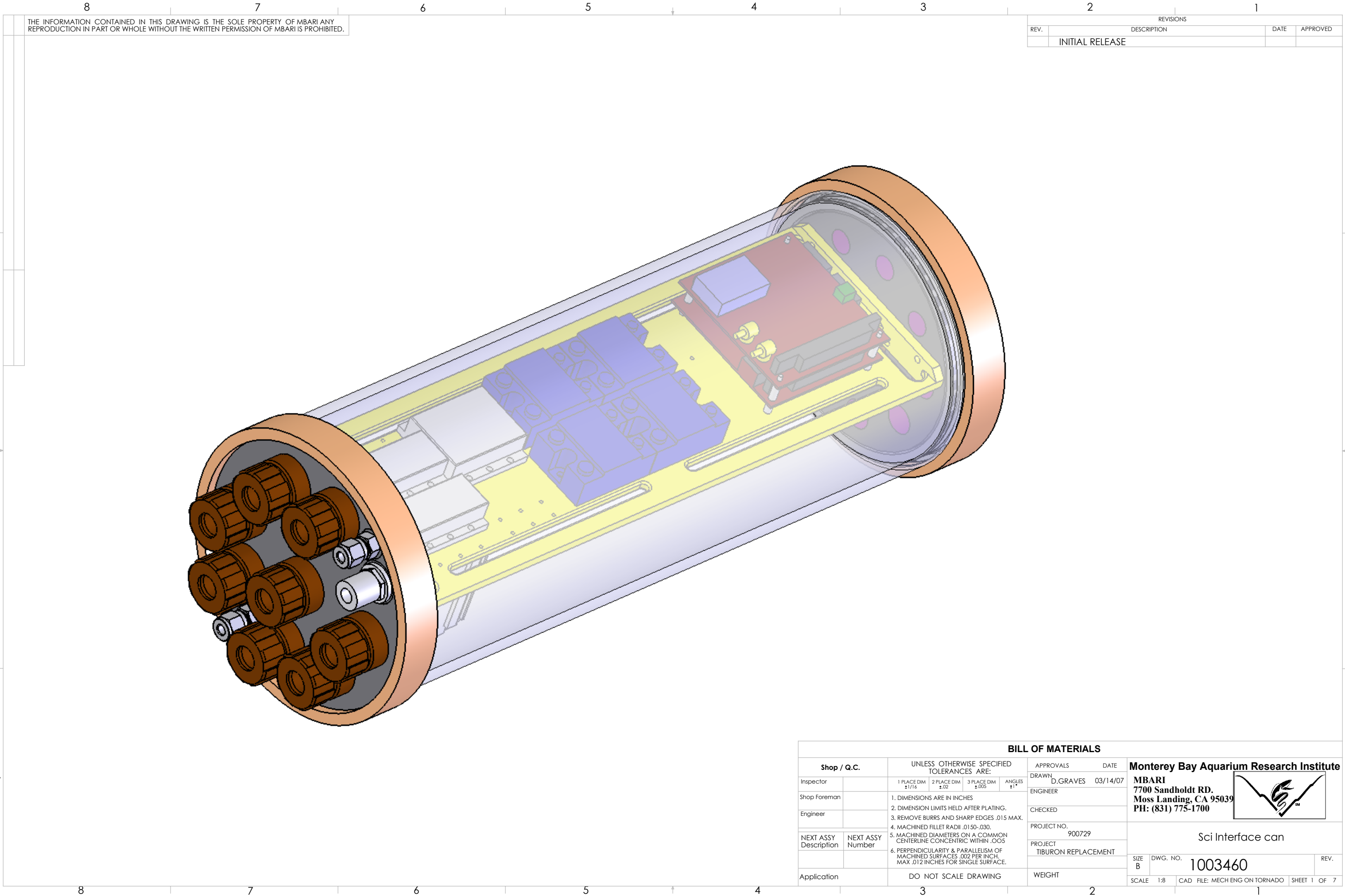
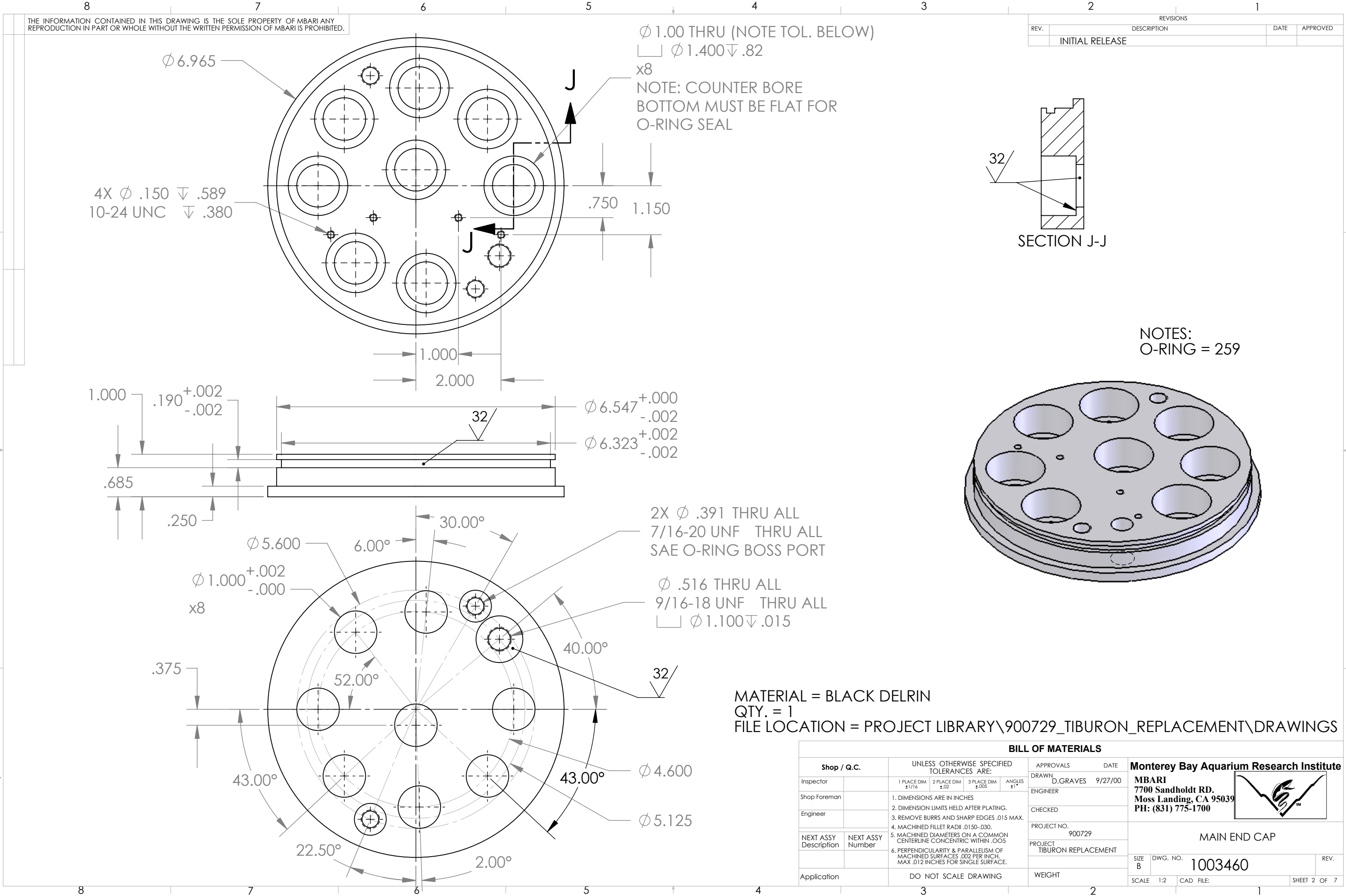




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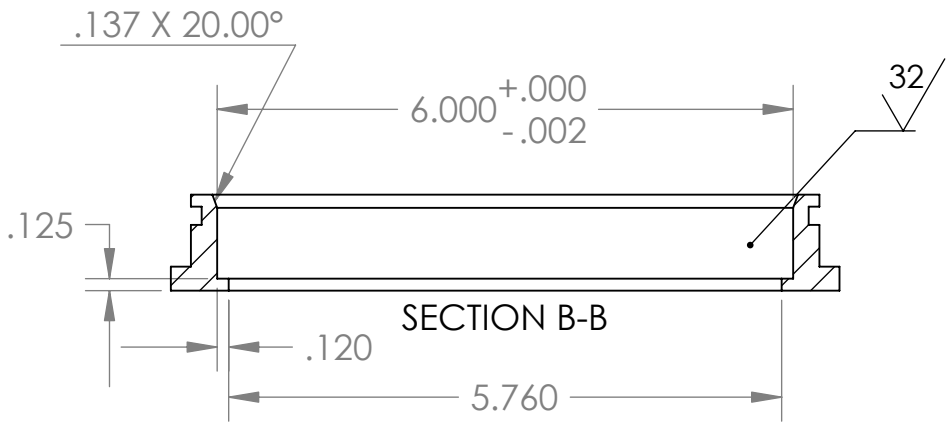
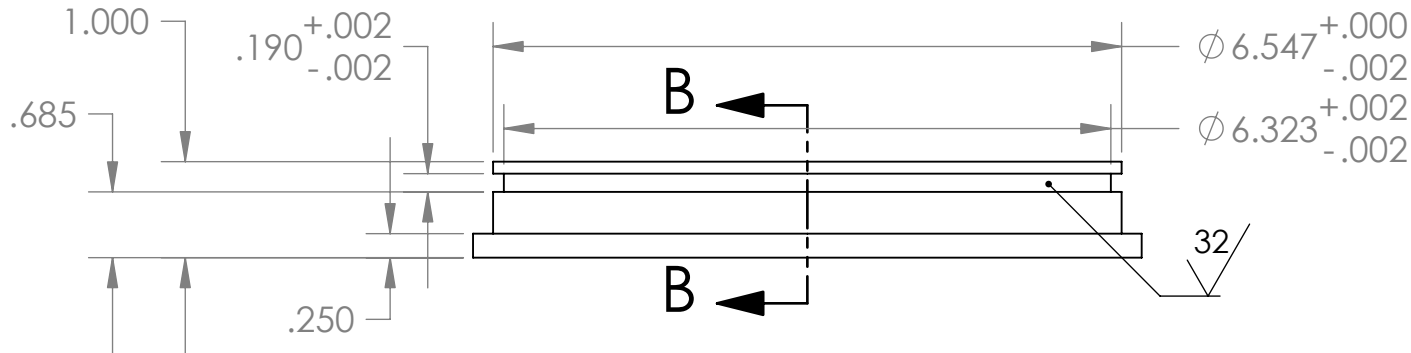
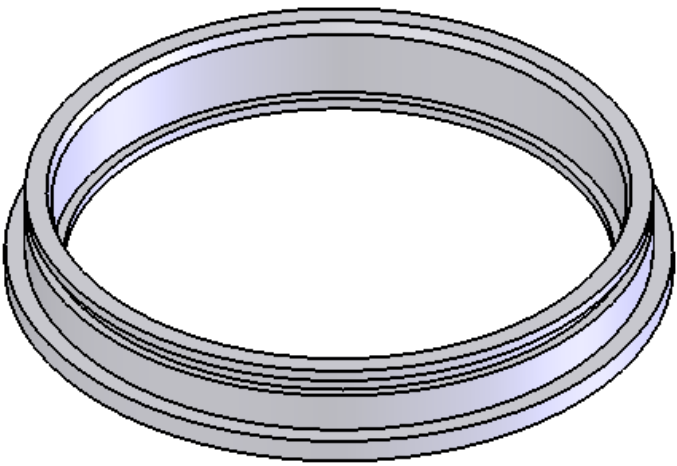
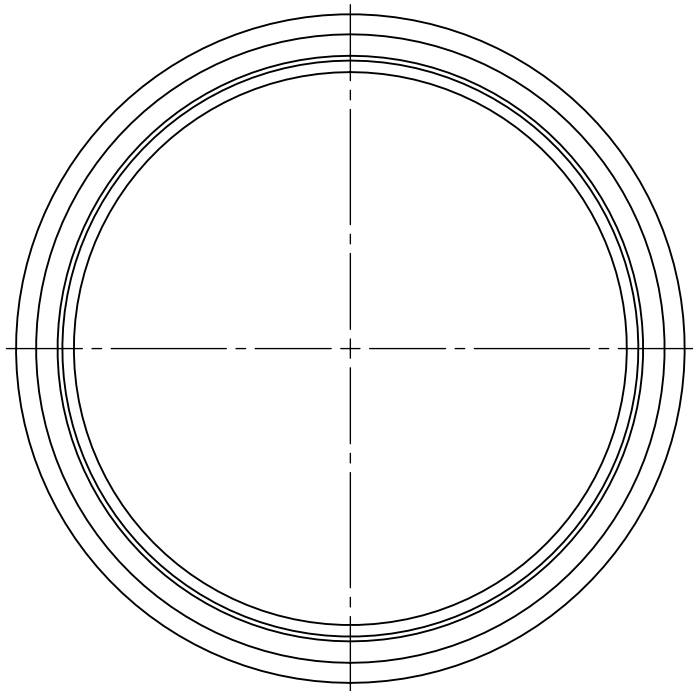
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

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	D.GRAVES	03/14/07				
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						
Engineer						CHECKED						
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	900729		Sci Interface can			
						PROJECT	TIBURON REPLACEMENT					
Application		DO NOT SCALE DRAWING				WEIGHT			SIZE B	DWG. NO.	1003460	REV.
								SCALE 1:8	CAD FILE: MECH ENG ON TORNADO	SHEET 1 OF 7		

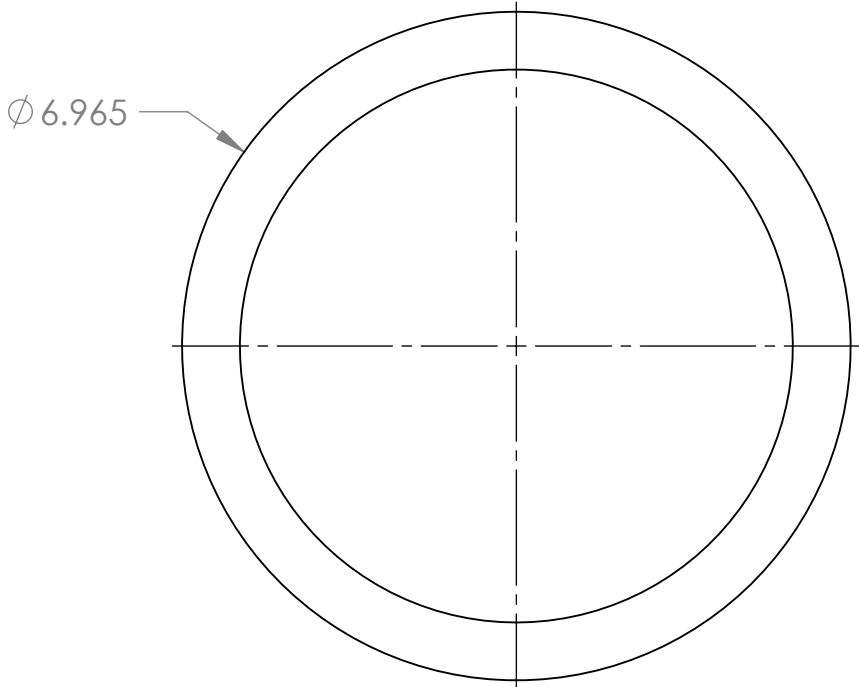


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



NOTES:
O-RING = 256

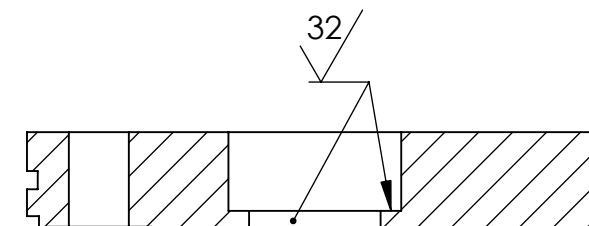
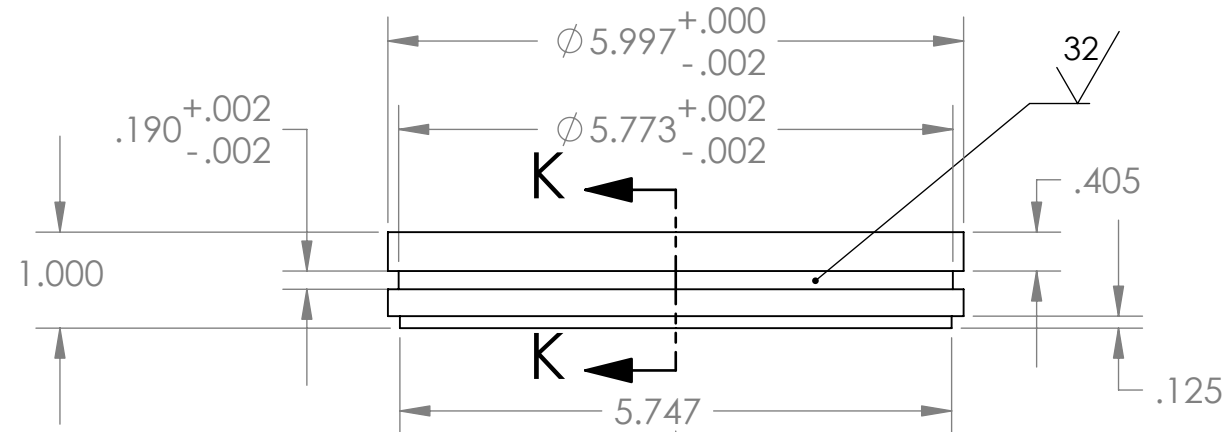
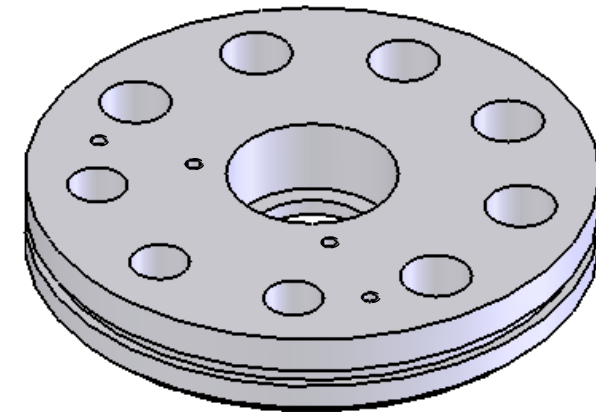
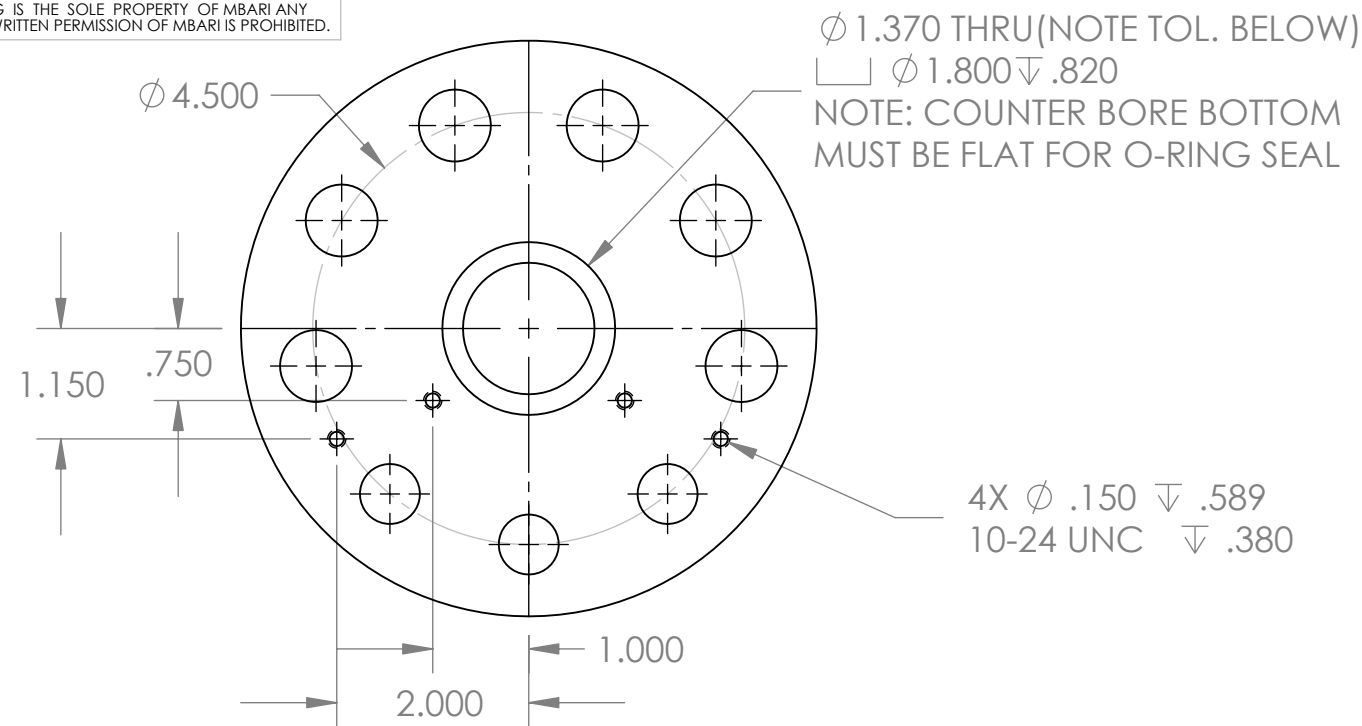


MATERIAL = BLACK DELRIN
QTY. = 1
FILE LOCATION = PROJECT LIBRARY\900729_TIBURON_REPLACEMENT\DRAWINGS

Shop / Q.C.					UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute				
Inspector					1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	D.GRAVES	03/13/07		MBARI				
Shop Foreman					1. DIMENSIONS ARE IN INCHES				ENGINEER				7700 Sandholdt RD.				
Engineer					2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED				Moss Landing, CA 95039				
NEXT ASSY Description		NEXT ASSY Number		3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.		900729		PH: (831) 775-1700					
				4. MACHINED FILLET RADII .0150-.030.				PROJECT		TIBURON REPLACEMENT				END CAP RING			
				5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				WEIGHT				SIZE B		DWG. NO.		REV.	
				6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH MAX .012 INCHES FOR SINGLE SURFACE.								SCALE 1:2		CAD FILE:		SHEET 3 OF 7	
Application		DO NOT SCALE DRAWING															

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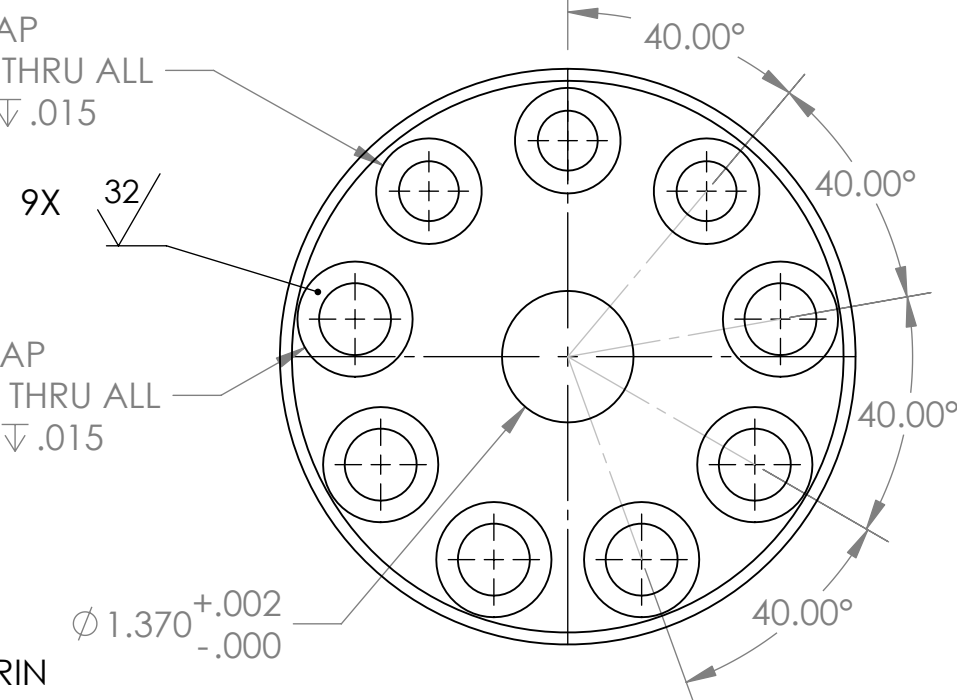
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



SECTION K-K

3X DRILL & TAP
5/8-24 UNEF THRU ALL
□ $\phi 1.100 \nabla .015$

6X DRILL & TAP
3/4-20 UNEF THRU ALL
□ $\phi 1.200 \nabla .015$

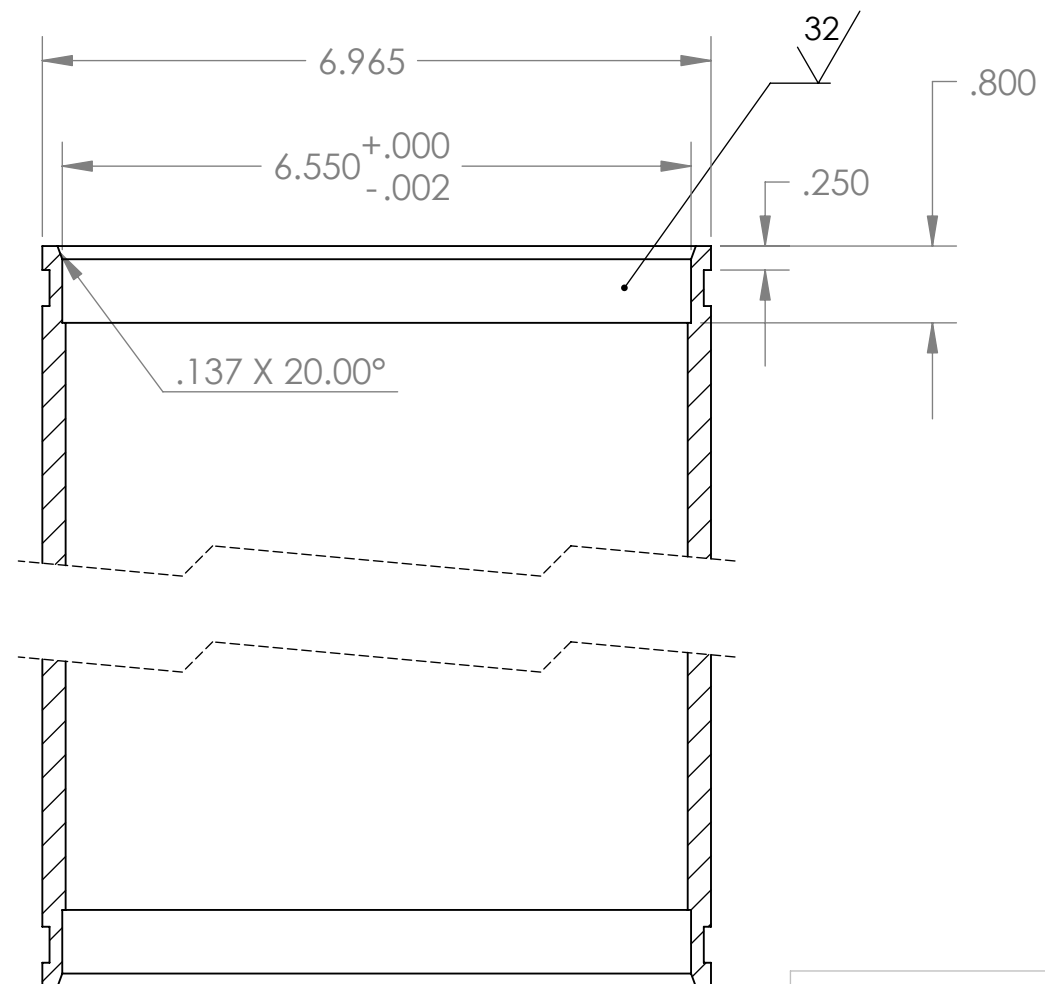
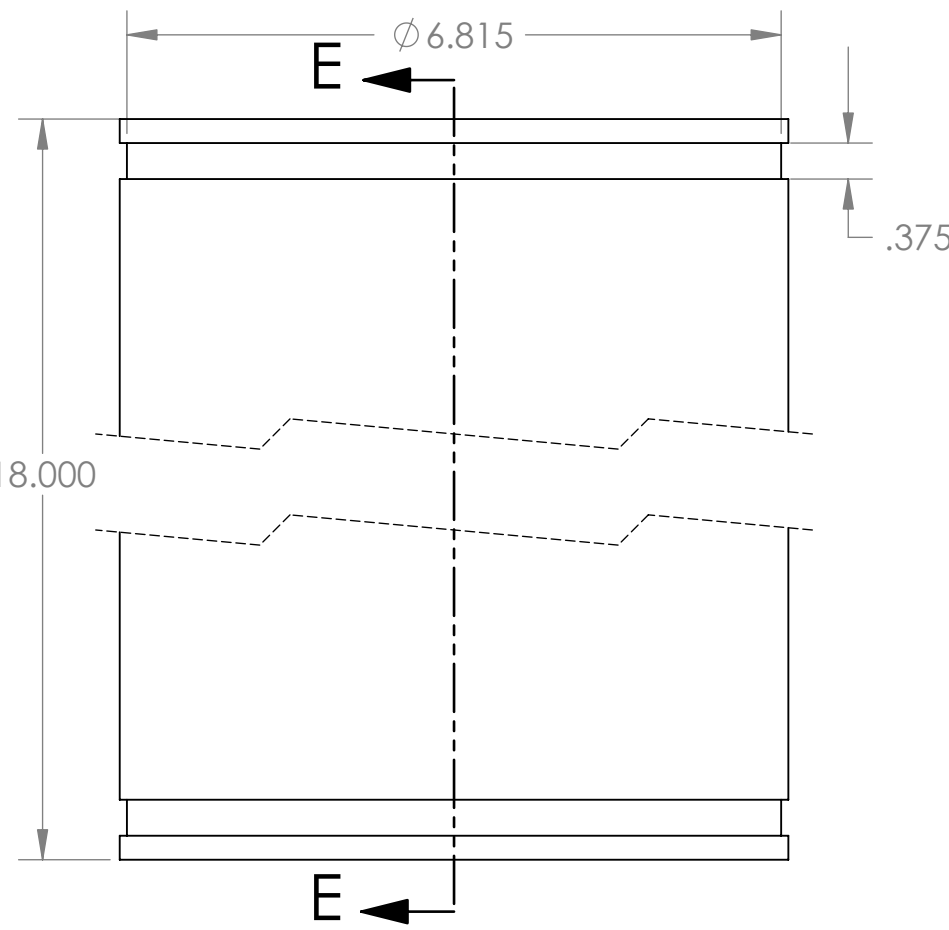
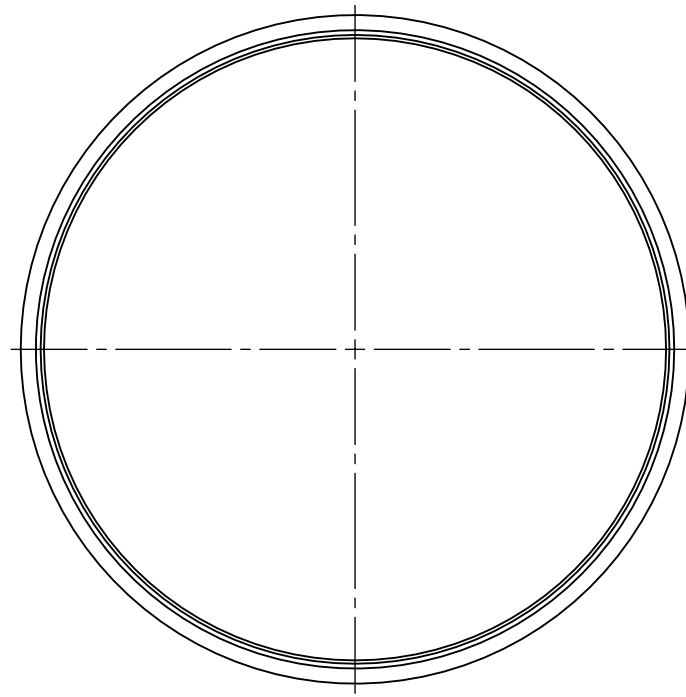


MATERIAL = BLACK DELRIN
QTY. = 1
FILE LOCATION = PROJECT LIBRARY\900729_TIBURON_REPLACEMENT\DRAWINGS

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	D.GRAVES 03/13/07		
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		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Engineer						CHECKED			
NEXT ASSY Description						NEXT ASSY Number			
						900729		SECONDARY END CAP	
						PROJECT			
						TIBURON REPLACEMENT			
						SIZE B		DWG. NO.	
								1003460	
						SCALE 1:2		CAD FILE:	
								SHEET 4 OF 7	
Application		DO NOT SCALE DRAWING				WEIGHT			

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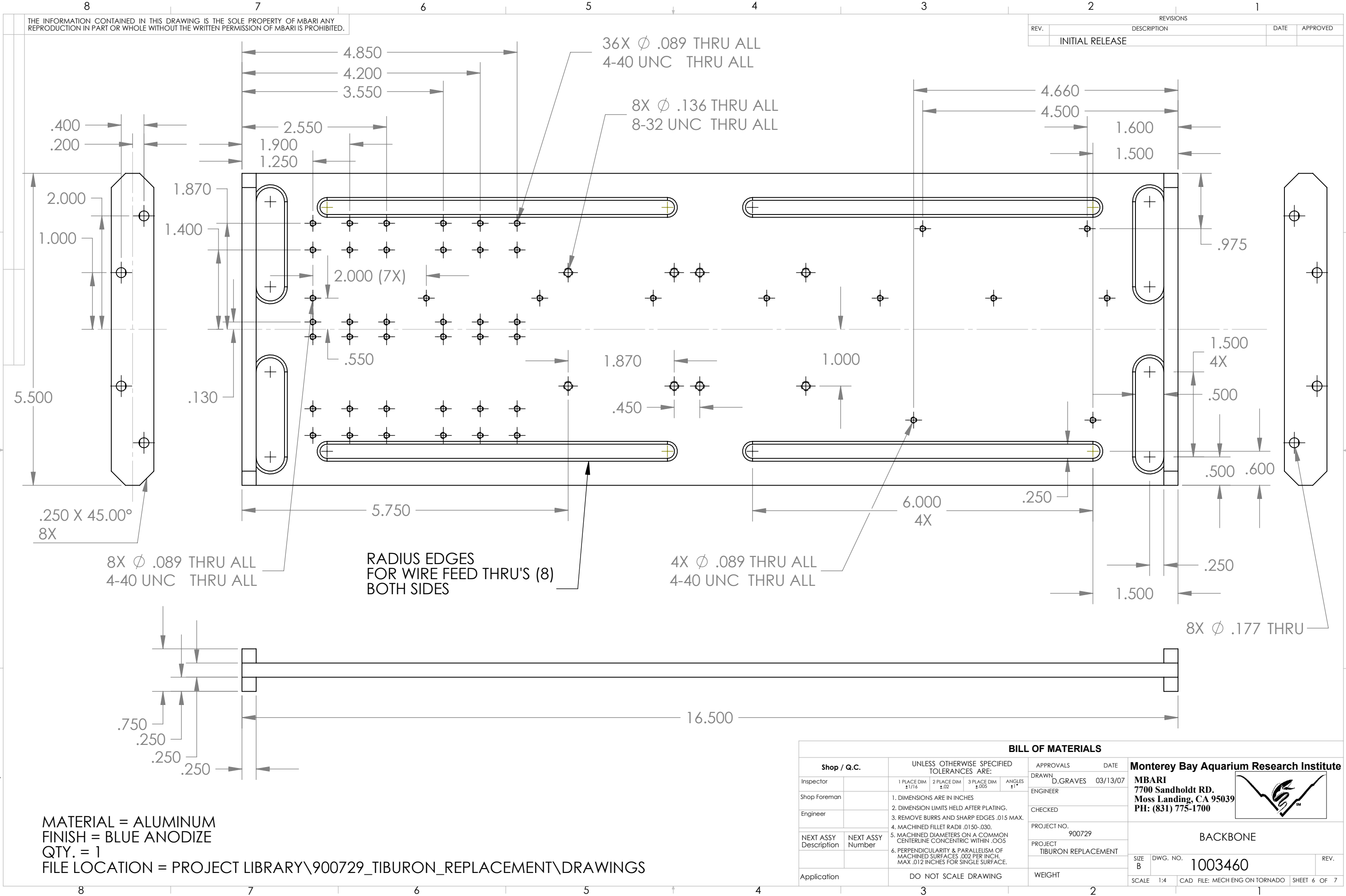
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



SECTION E-E
SCALE 1 : 2

MATERIAL = ACRYLIC TUBE (McMASTER CARR)
QTY. = 1
FILE LOCATION = PROJECT LIBRARY\900729_TIBURON_REPLACEMENT\DRAWINGS

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	D.GRAVES	03/13/07		
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 INCH. MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER				
Engineer						CHECKED				
NEXT ASSY Description						NEXT ASSY Number		PROJECT NO.		900729
				PROJECT		TIBURON REPLACEMENT		HOUSING		
Application		DO NOT SCALE DRAWING				WEIGHT		SIZE B	DWG. NO. 1003460	REV.
						SCALE 1:8		CAD FILE:		SHEET 5 OF 7



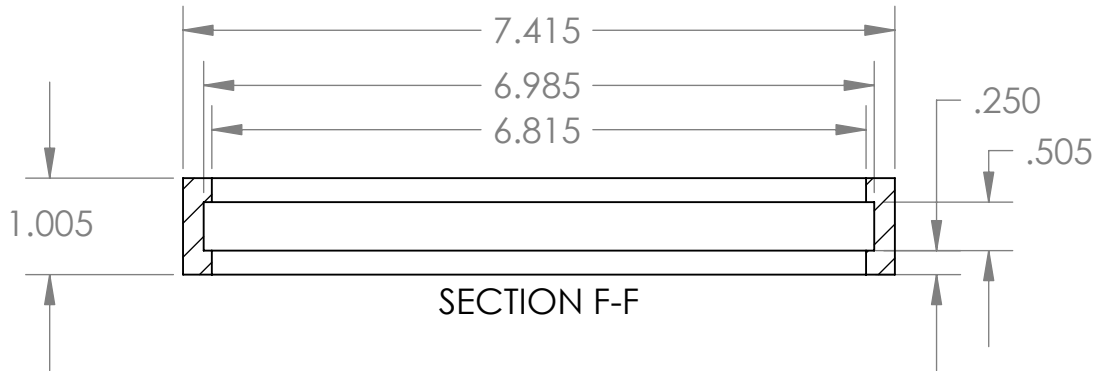
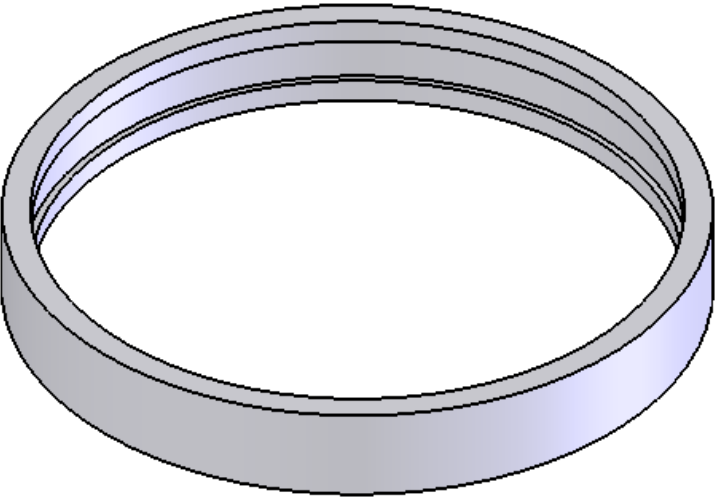
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

MATERIAL = ALUMINUM
FINISH = BLUE ANODIZE
QTY. = 1
FILE LOCATION = PROJECT LIBRARY\900729_TIBURON_REPLACEMENT\DRAWINGS

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 D.GRAVES 03/13/07	ENGINEER
		CHECKED	
		PROJECT NO. 900729	
		PROJECT TIBURON REPLACEMENT	
		WEIGHT	
		DO NOT SCALE DRAWING	
		Monterey Bay Aquarium Research Institute	
		MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700	
		BACKBONE	
		SIZE B	DWG. NO. 1003460
		SCALE 1:4	CAD FILE: MECH ENG ON TORNADO SHEET 6 OF 7

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



Shop / Q.C.				UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute					
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	D.GRAVES	03/13/07	MBARI								
Shop Foreman		1. DIMENSIONS ARE IN INCHES				ENGINEER		7700 Sandholdt RD.									
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED		Moss Landing, CA 95039									
NEXT ASSY Description		NEXT ASSY Number		3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.		PH: (831) 775-1700		RETAINING RING					
		4. MACHINED FILLET RADII .0150-.030.				900729											
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				PROJECT											
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				TIBURON REPLACEMENT											
												SIZE B		DWG. NO.		REV.	
														1003460			
Application		DO NOT SCALE DRAWING				WEIGHT						SCALE 1:2		CAD FILE: MECH ENG ON TORNADO		SHEET 7 OF 7	