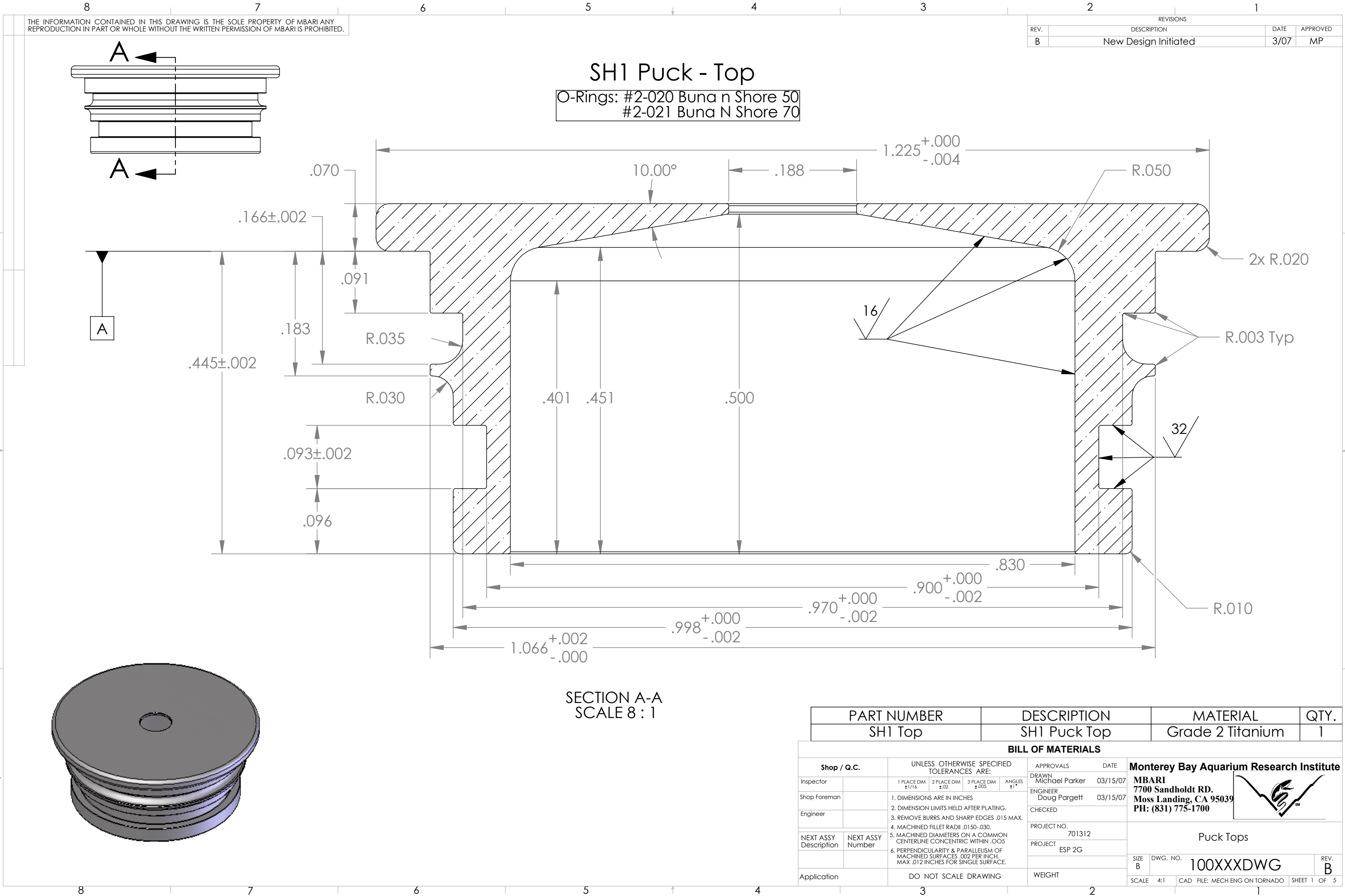
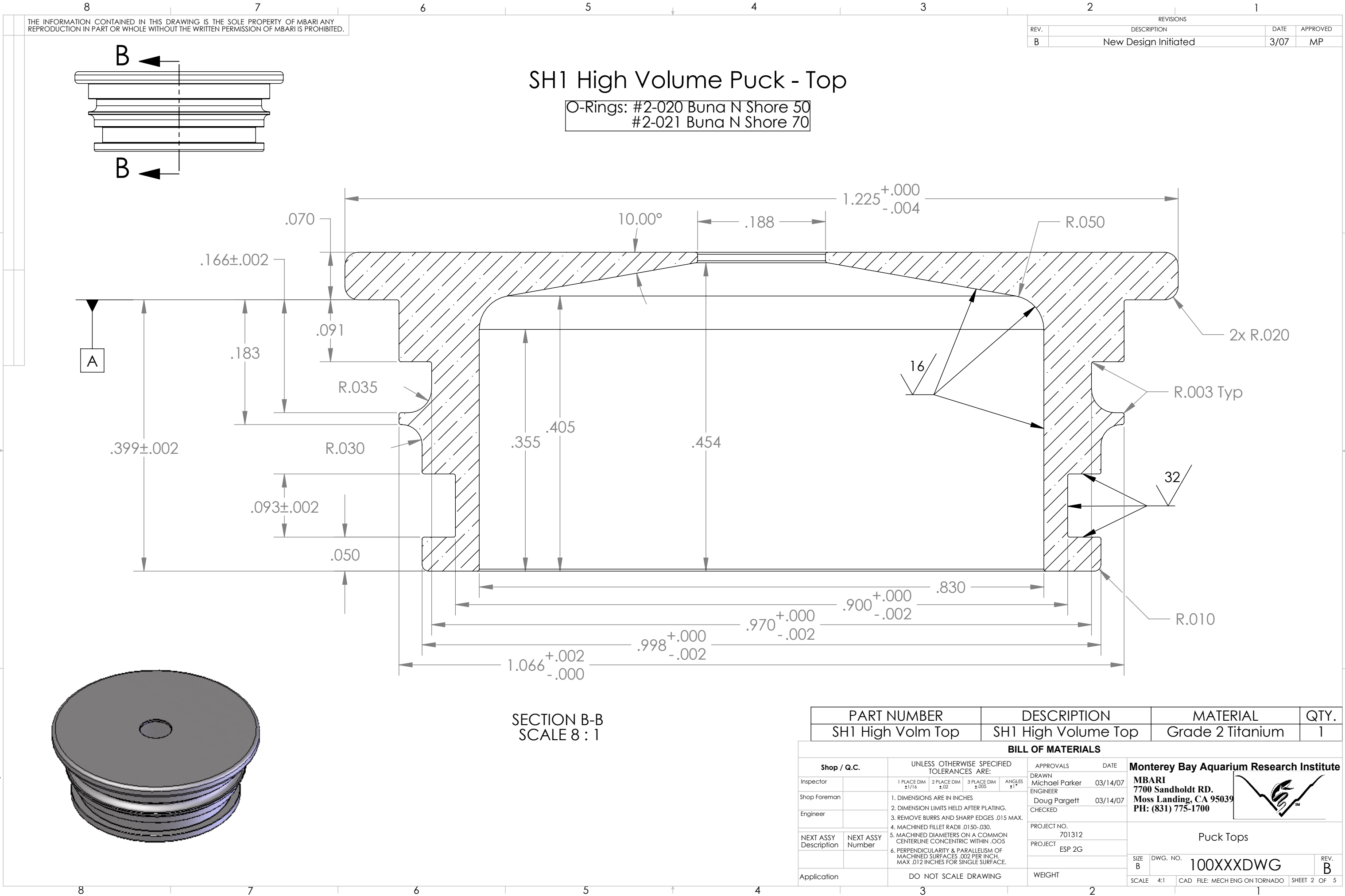




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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	New Design Initiated	3/07	MP

PART NUMBER		DESCRIPTION		MATERIAL		QTY.
SH1 Top		SH1 Puck Top		Grade 2 Titanium		1
BILL OF MATERIALS						
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	DRAWN Michael Parker	03/15/07	
Shop Foreman		1. DIMENSIONS ARE IN INCHES		ENGINEER Doug Pargett	03/15/07	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		CHECKED		
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.				
		4. MACHINED FILLET RADII .0150-.030.				
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		PROJECT NO. 701312	Puck Tops	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		PROJECT ESP 2G		
					SIZE B	REV. B
Application		DO NOT SCALE DRAWING		WEIGHT	DWG. NO. 100XXXDWG	
					SCALE 4:1	CAD FILE: MECH ENG ON TORNADO
					SHEET 1 OF 5	



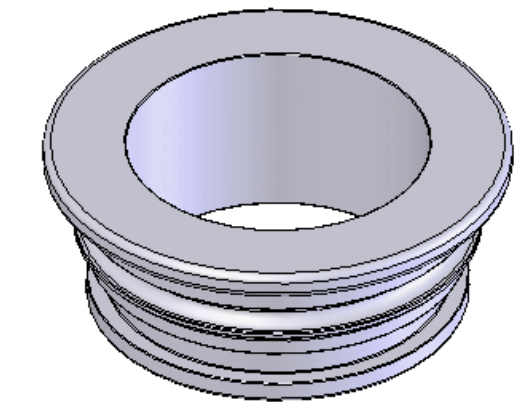
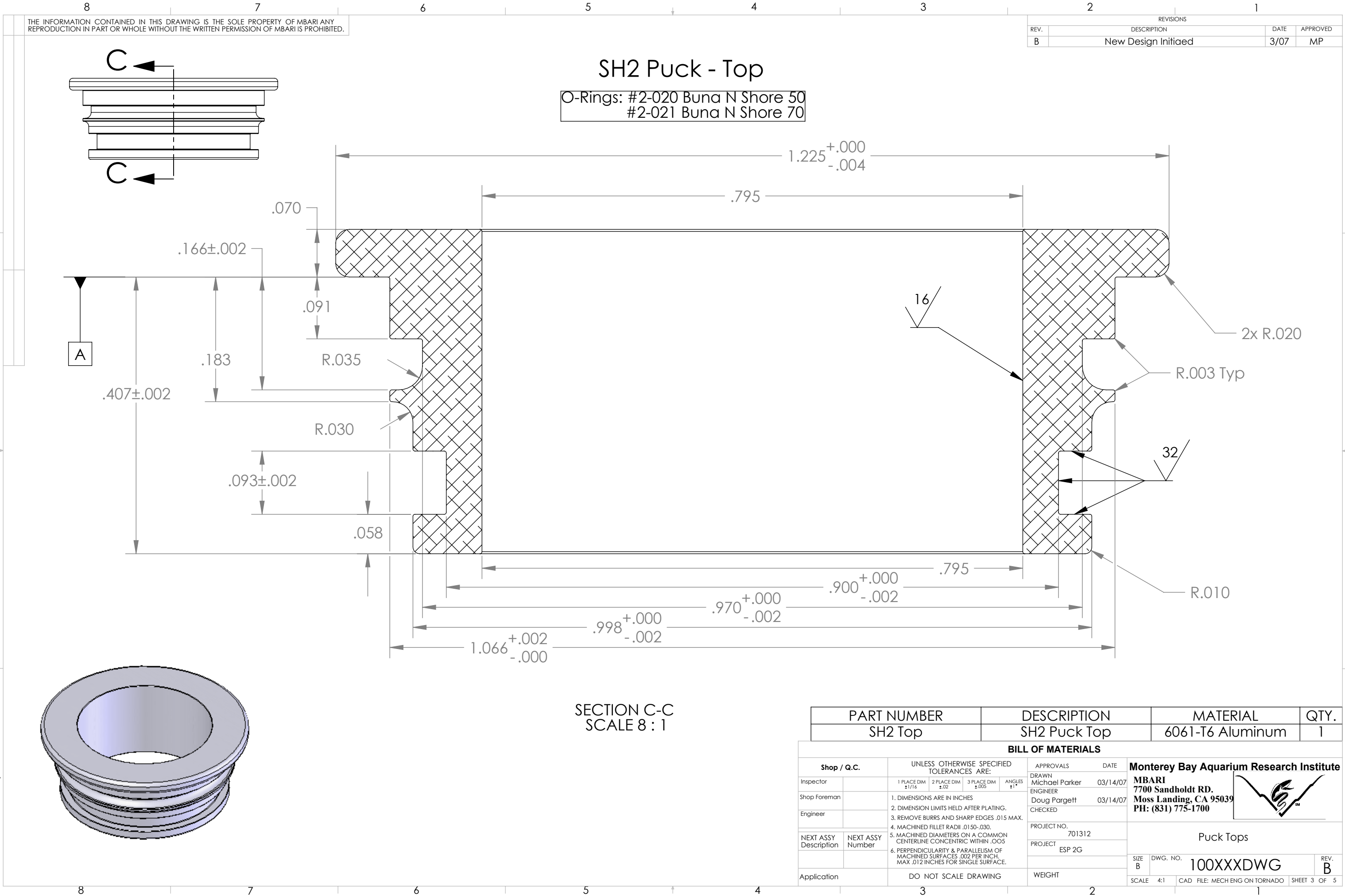
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	New Design Initiated	3/07	MP

O-Rings: #2-020 Buna N Shore 50
#2-021 Buna N Shore 70

SECTION B-B
SCALE 8 : 1

PART NUMBER		DESCRIPTION		MATERIAL		QTY.
SH1 High Volm Top		SH1 High Volume Top		Grade 2 Titanium		1
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  Puck Tops
Inspector		1 PLACE DIM ±1/16	2 PLACED DIM ±.02	DRAWN Michael Parker ENGINEER	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.		CHECKED Doug Pargett	03/14/07	
Engineer						
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. 701312		
				PROJECT ESP 2G		
						SIZE B
						DWG. NO. 100XXXDWG
						REV. B
Application		DO NOT SCALE DRAWING		WEIGHT		
				SCALE 4:1		
				CAD FILE: MECH ENG ON TORNADO		
				SHEET 2 OF 5		



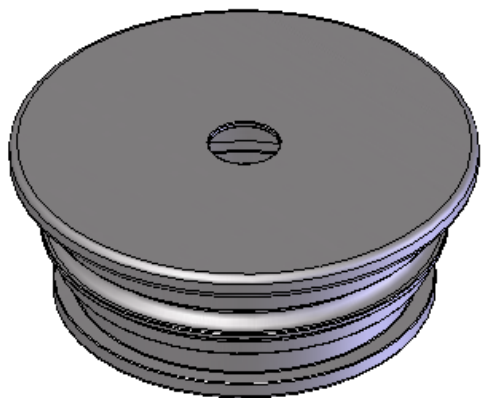
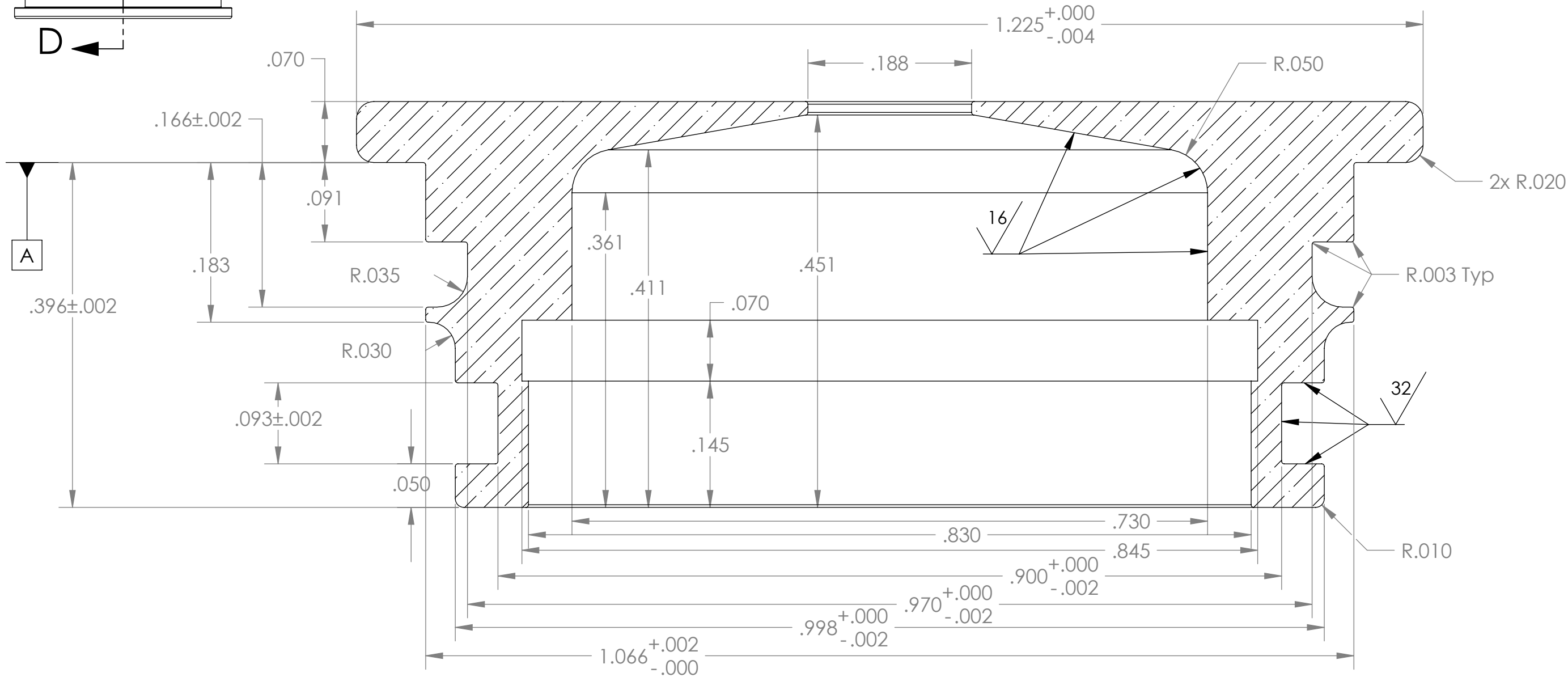
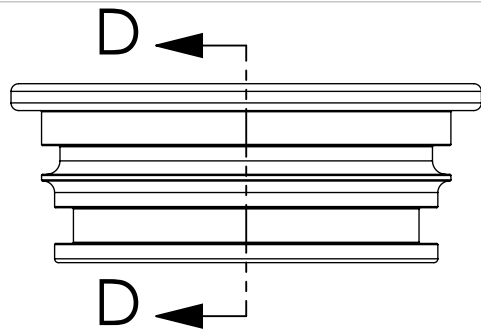
PART NUMBER		DESCRIPTION		MATERIAL		QTY.	
SH2 Top		SH2 Puck Top		6061-T6 Aluminum		1	

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 Michael Parker	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 Doug Pargett	03/14/07		
Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO. 701312		Puck Tops	
						PROJECT ESP 2G			
Application		DO NOT SCALE DRAWING			WEIGHT		SIZE B		
							DWG. NO. 100XXXDWG		
							REV. B		
					SCALE 4:1		CAD FILE: MECH ENG ON TORNADO SHEET 3 OF 5		

Monterey Bay Aquarium Research Institute			
MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700			
			

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	New Design Initiated	3/07	MP

O-Rings: #2-020 Buna N Shore 50
#2-021 Buna N Shore 70



SECTION D-D
SCALE 8 : 1

PART NUMBER	DESCRIPTION	MATERIAL	QTY.
WCR Top	WCR Puck Top	Grade 2 Titanium	1

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 Michael Parker	03/14/07	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Shop Foreman		1. DIMENSIONS ARE IN INCHES				ENGINEER Doug Pargett	03/14/07		
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED			
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.							
		4. MACHINED FILLET RADI .0150-.030.				PROJECT NO.	701312	Puck Tops SIZE B DWG. NO. 100XXXDWG REV. B	
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				PROJECT	ESP 2G		
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.							
Application		DO NOT SCALE DRAWING				WEIGHT		SCALE 4:1 CAD FILE: MECH ENG ON TORNADO SHEET 4 OF 5	

