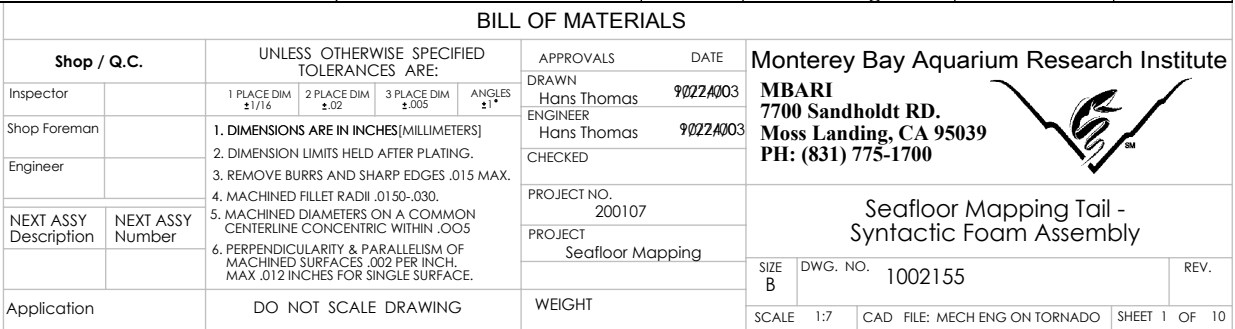
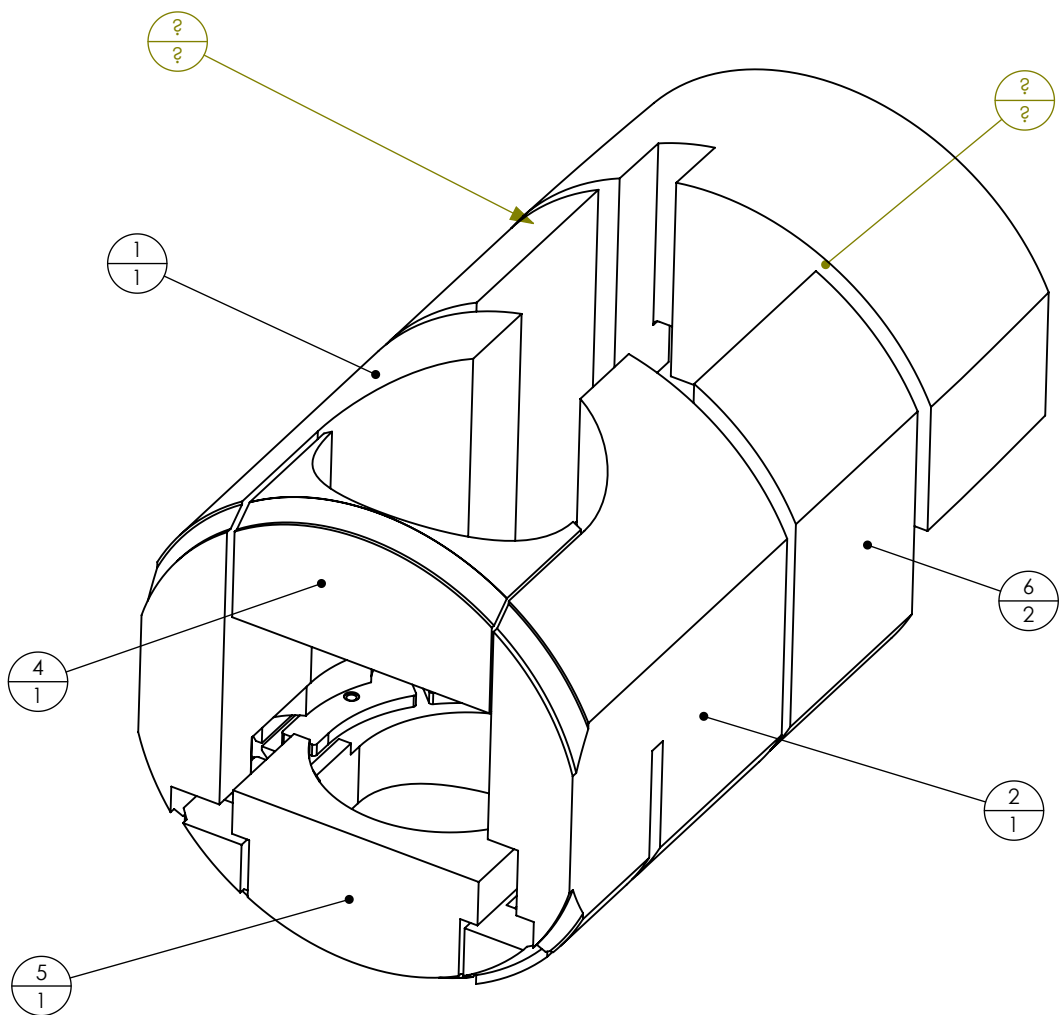
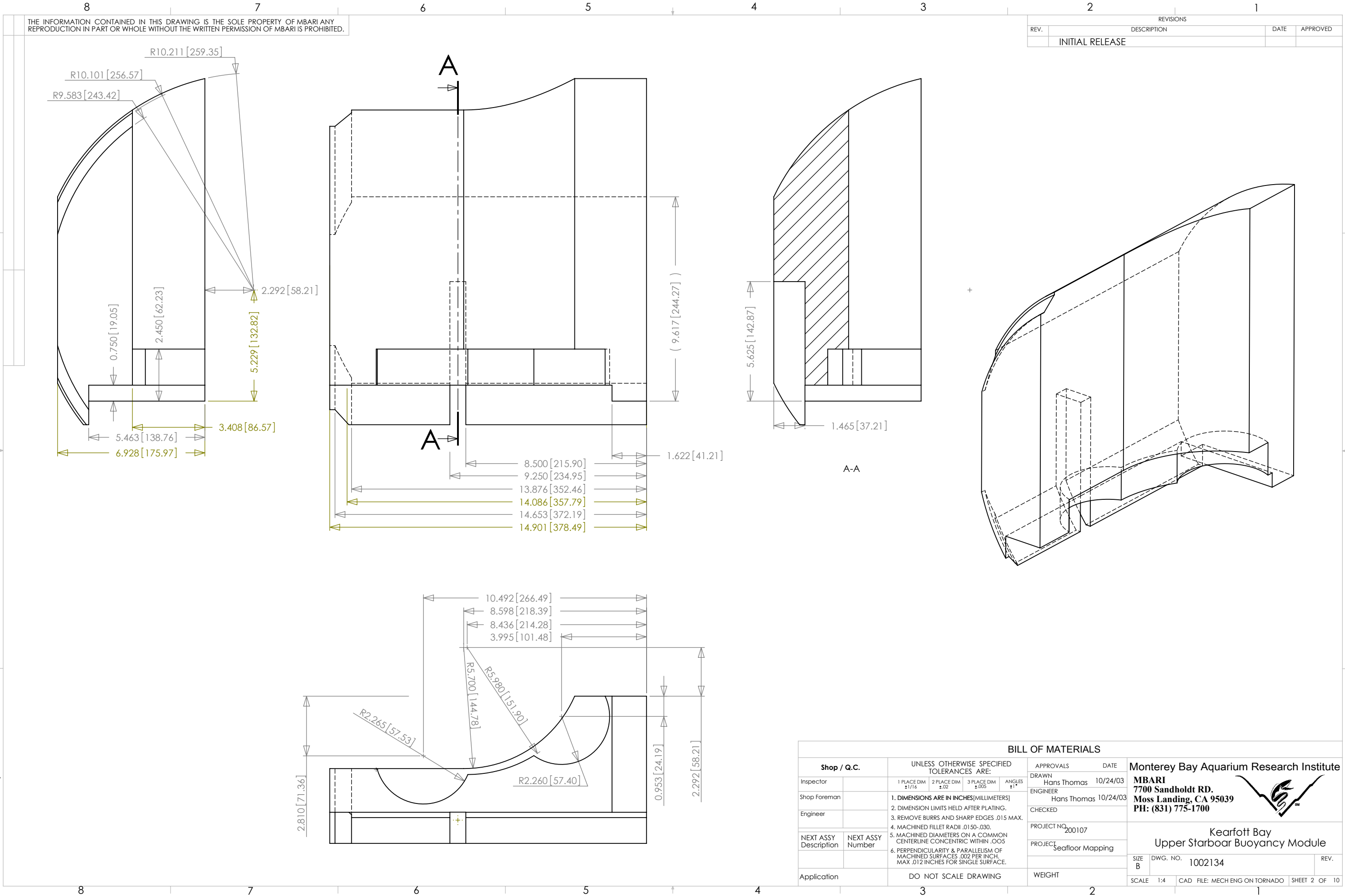
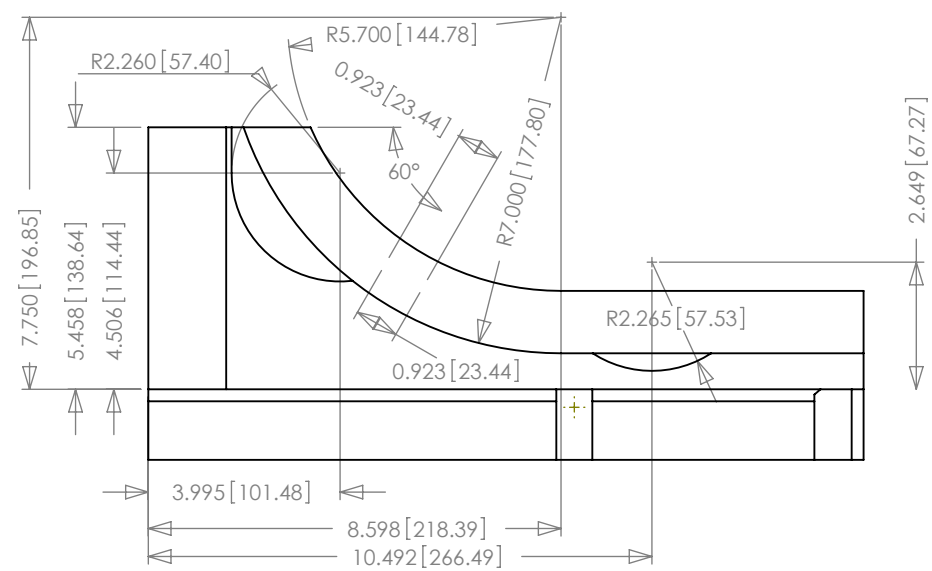
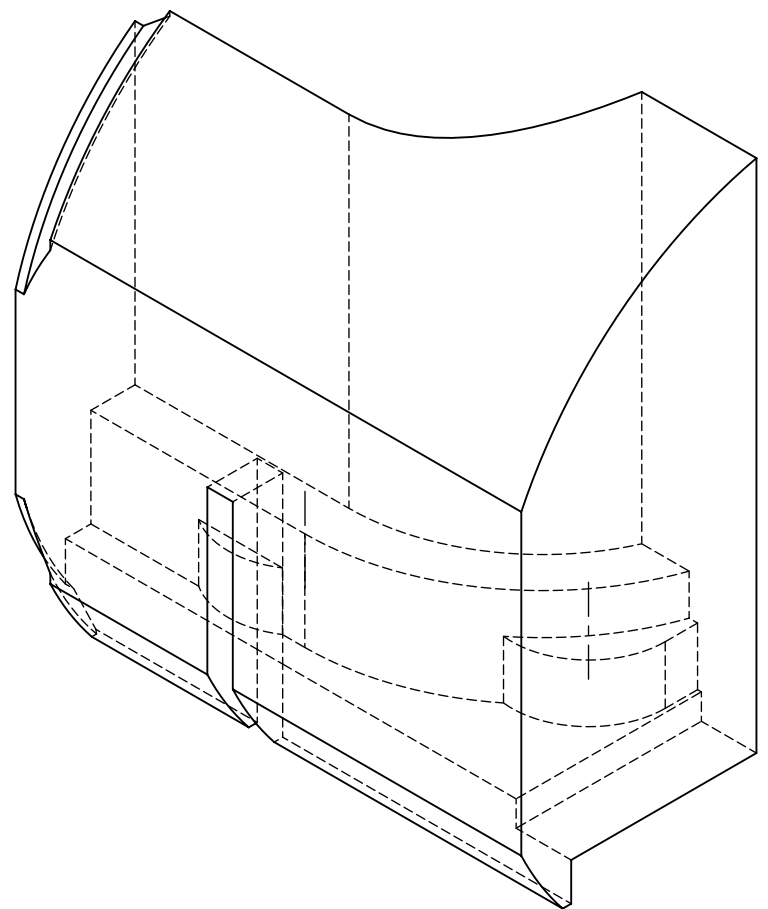
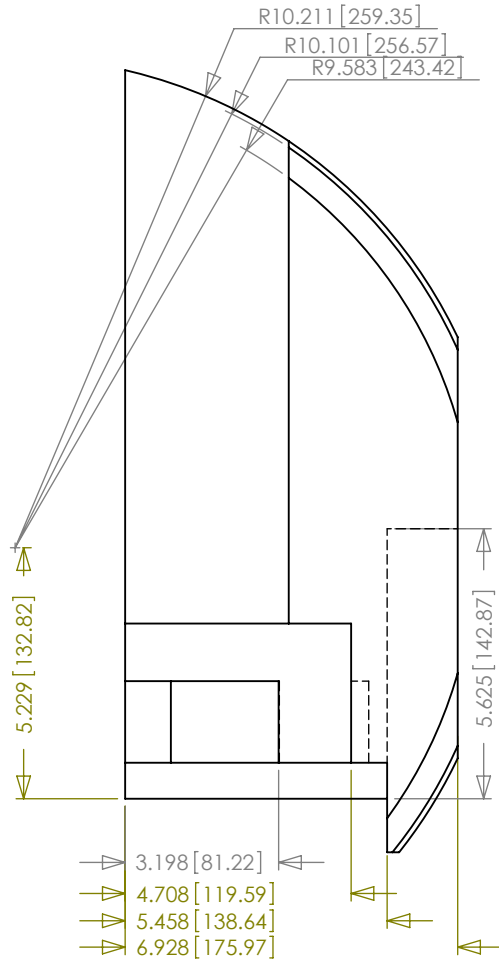
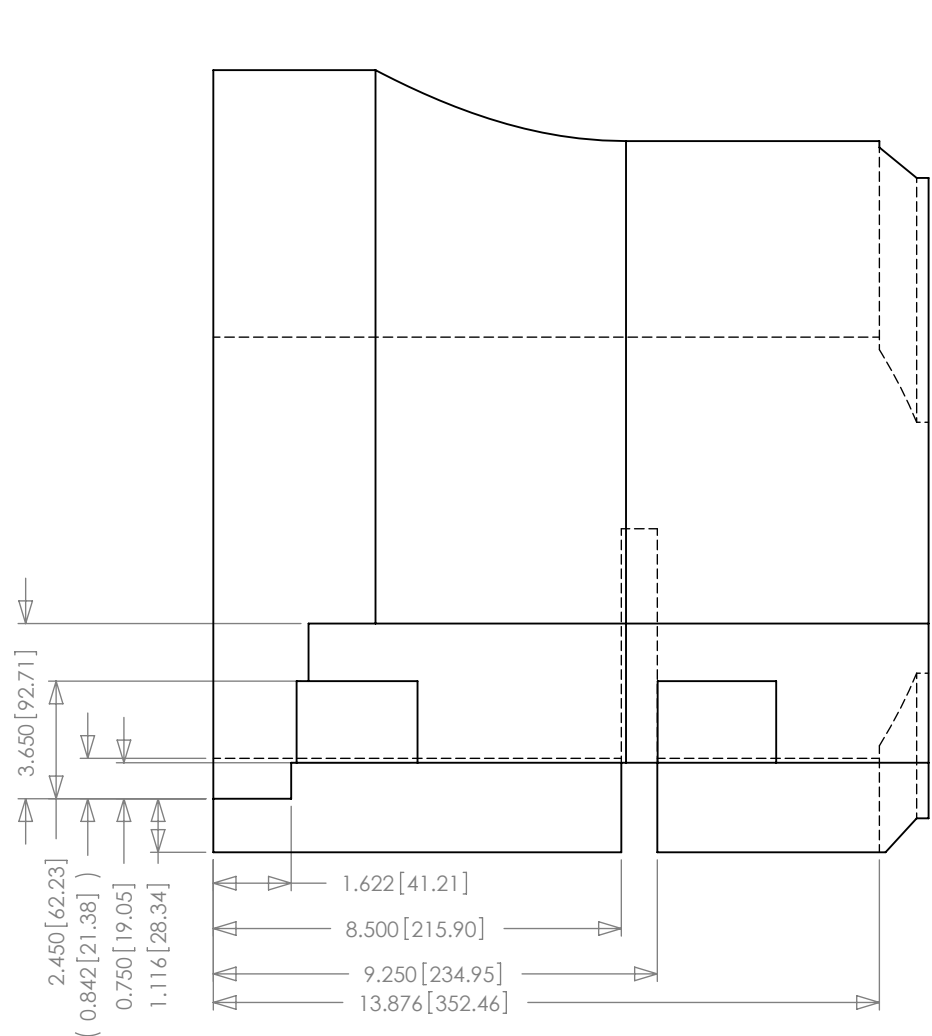






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BILL OF MATERIALS									
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Hans Thomas	10/24/03		
Shop Foreman		1. DIMENSIONS ARE IN INCHES[MILLIMETERS] 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 Hans Thomas	10/24/03		
Engineer						CHECKED			
						PROJECT NO. 200107			
NEXT ASSY Description	NEXT ASSY Number					PROJECT Seafloor Mapping			
Application		DO NOT SCALE DRAWING				WEIGHT			
						SIZE B	DWG. NO. 1002154		REV.
						SCALE 1:4	CAD FILE: MECH ENG ON TORNADO		SHEET 3 OF 10

Monterey Bay Aquarium Research Institute

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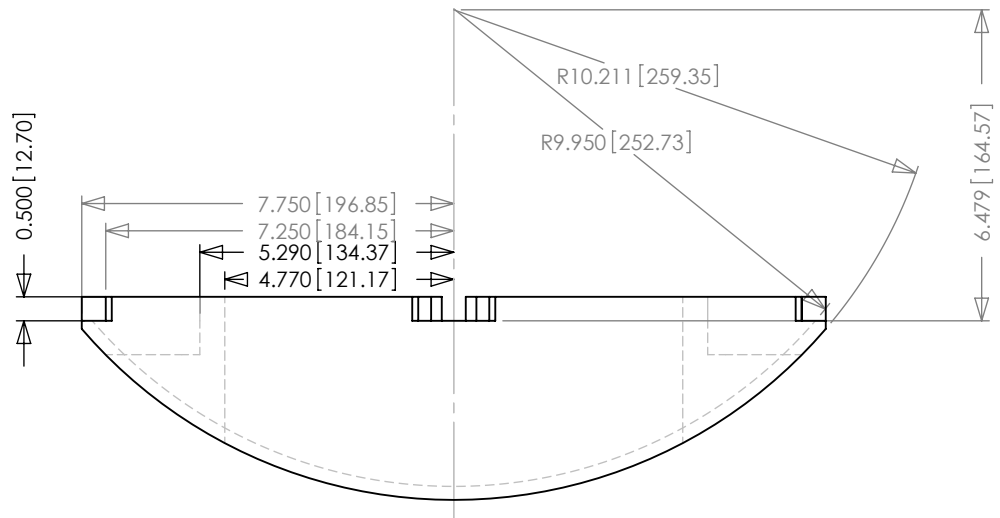
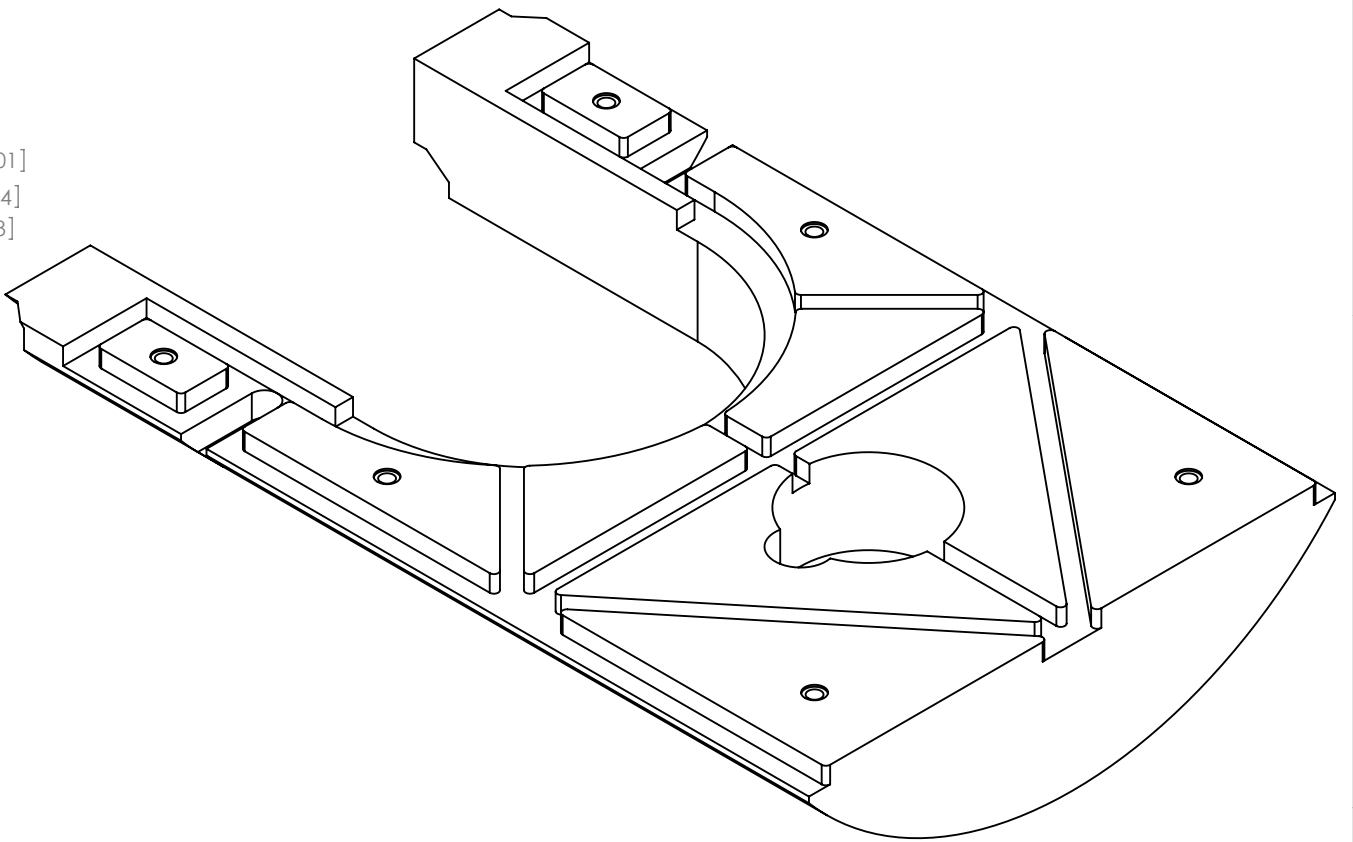
7700 Sandholdt RD.

Moss Landing, CA 95039

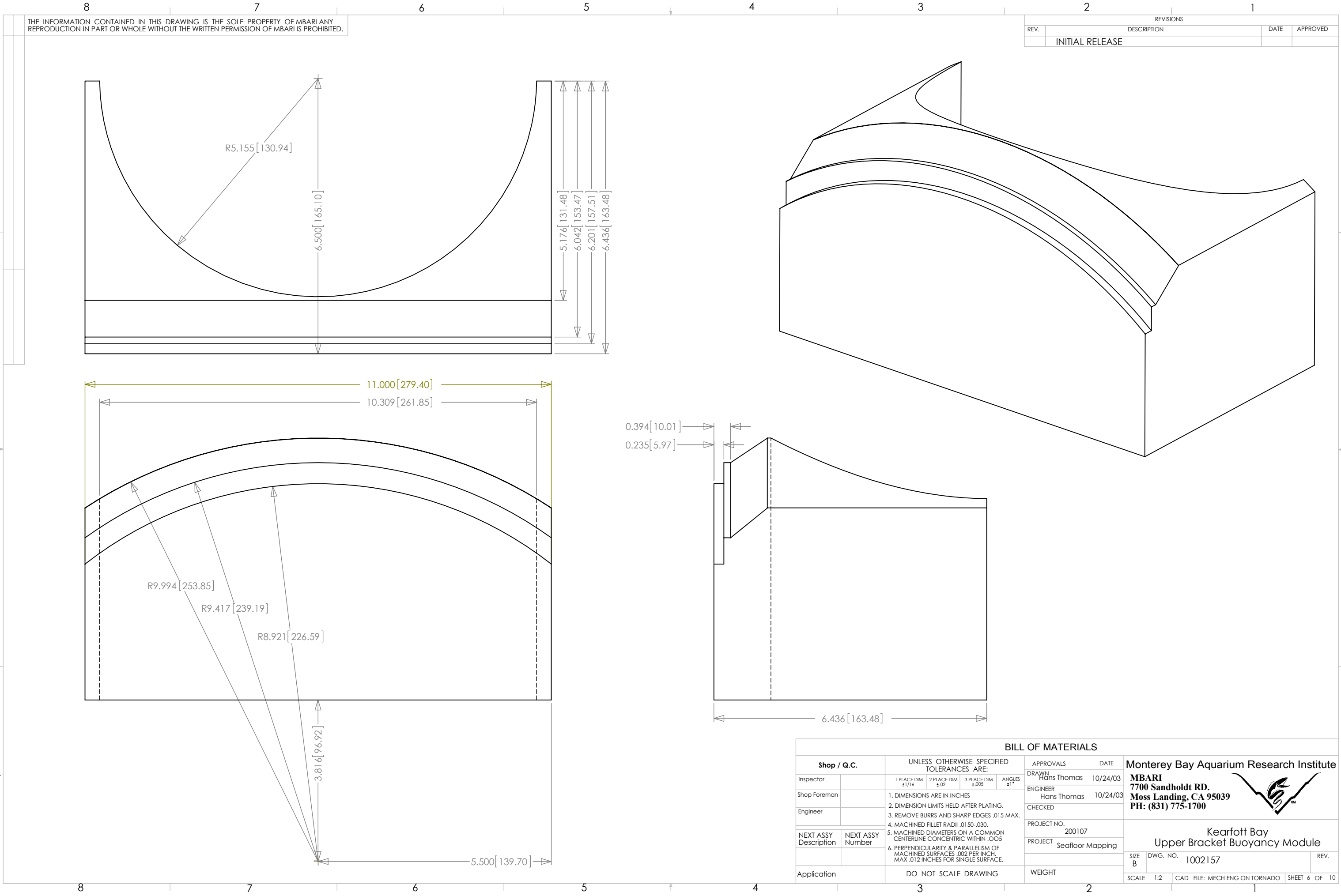
PH: (831) 775-1700

Kearfott Bay

Upper Port Buoyancy Module

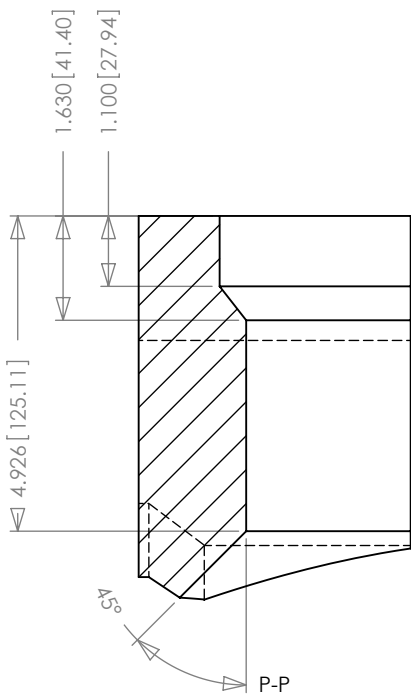
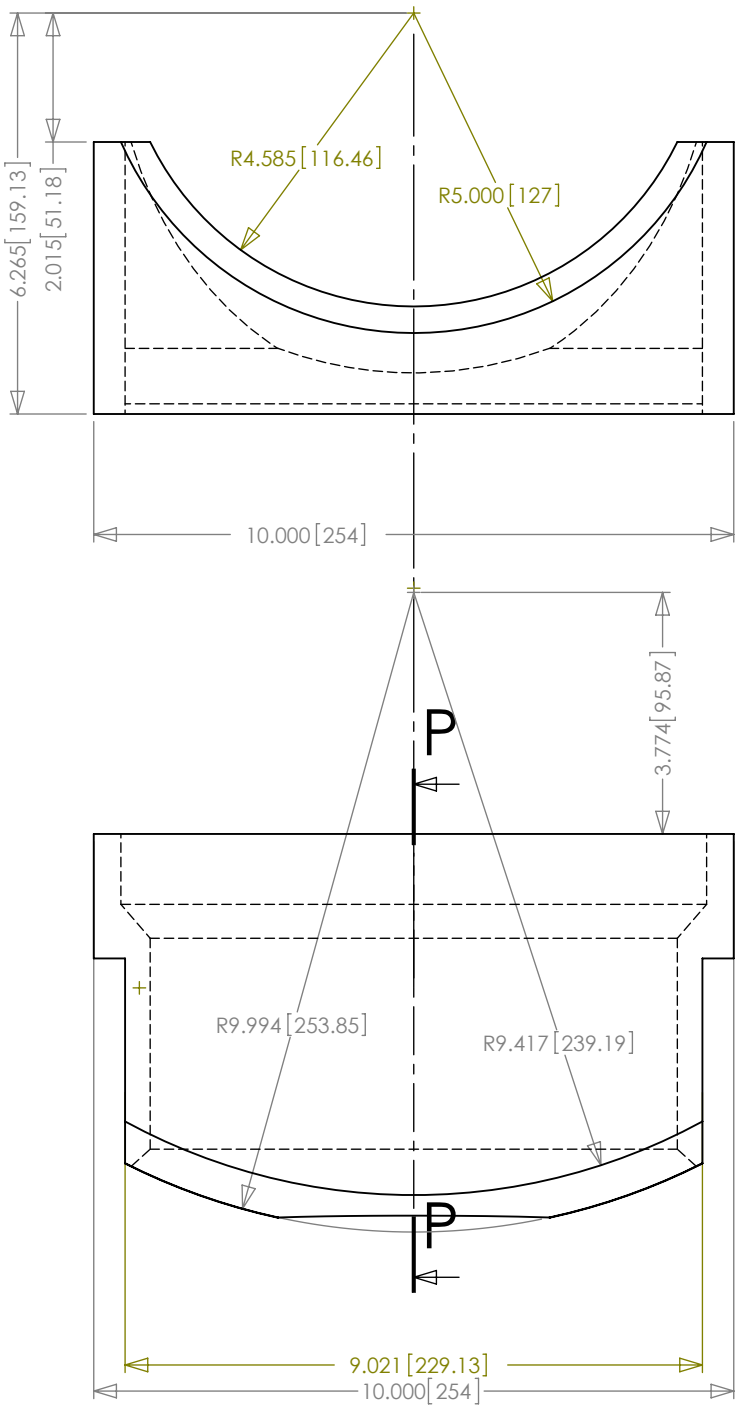
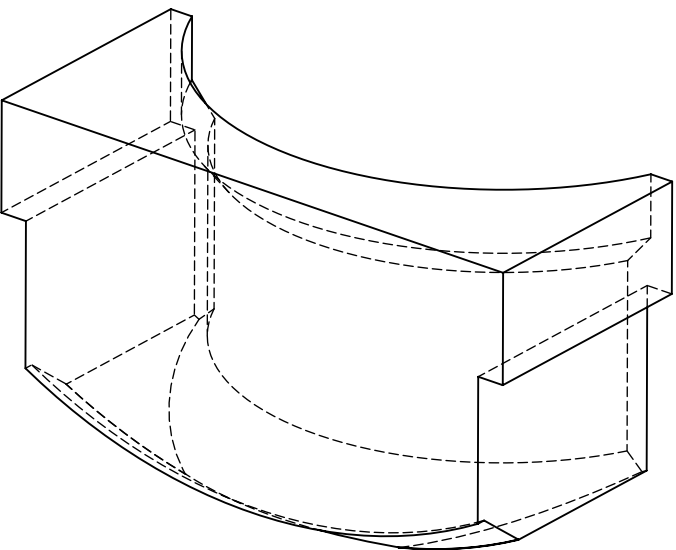


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Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	Thomas	10/20/03			
Shop Foreman		1. DIMENSIONS ARE IN INCHES[MILLIMETERS] 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030.				ENGINEER	Thomas	10/20/03			
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.		200107		Kearfott Bay Lower Buoyancy Module	
						PROJECT		Seafloor Mapping			
Application		DO NOT SCALE DRAWING				WEIGHT		SIZE B	DWG. NO. 1002130		REV.
								SCALE 1:4	CAD FILE: MECH ENG ON TORNADO		SHEET 4 OF 10

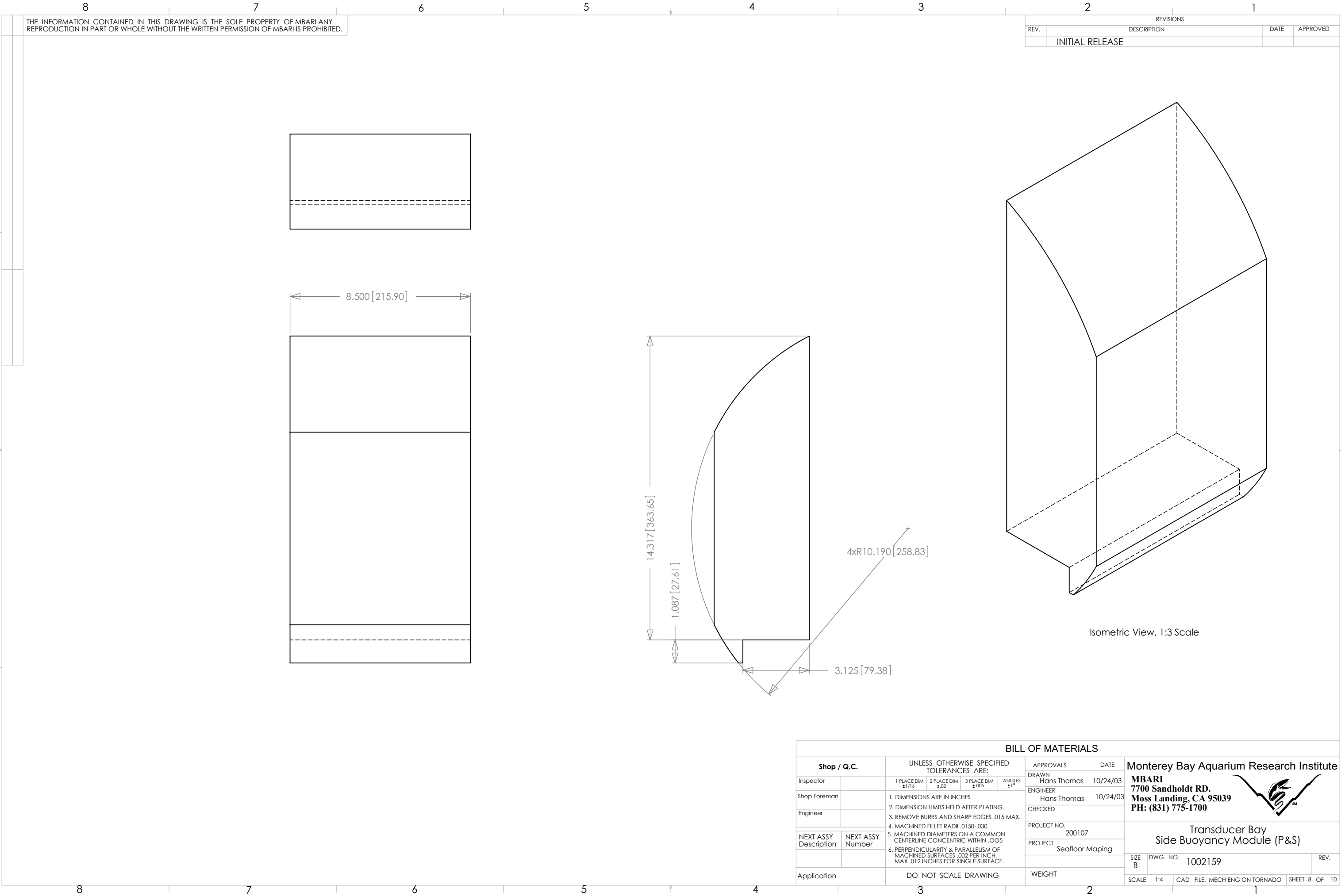


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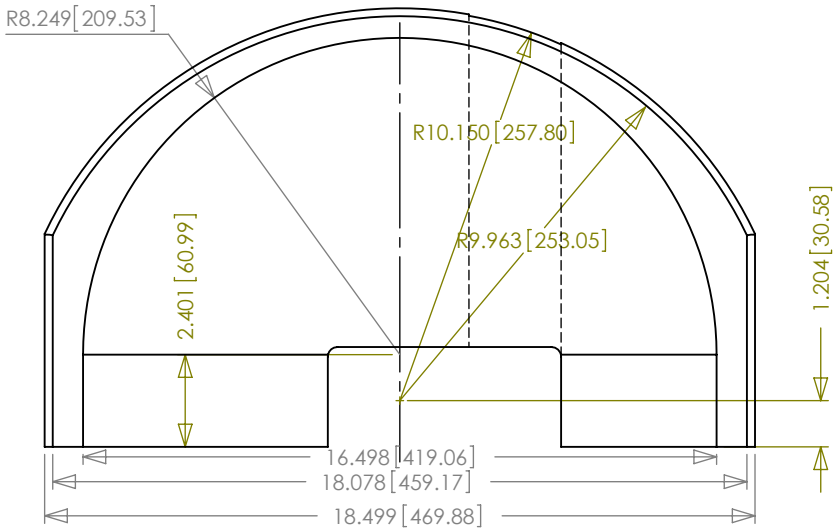
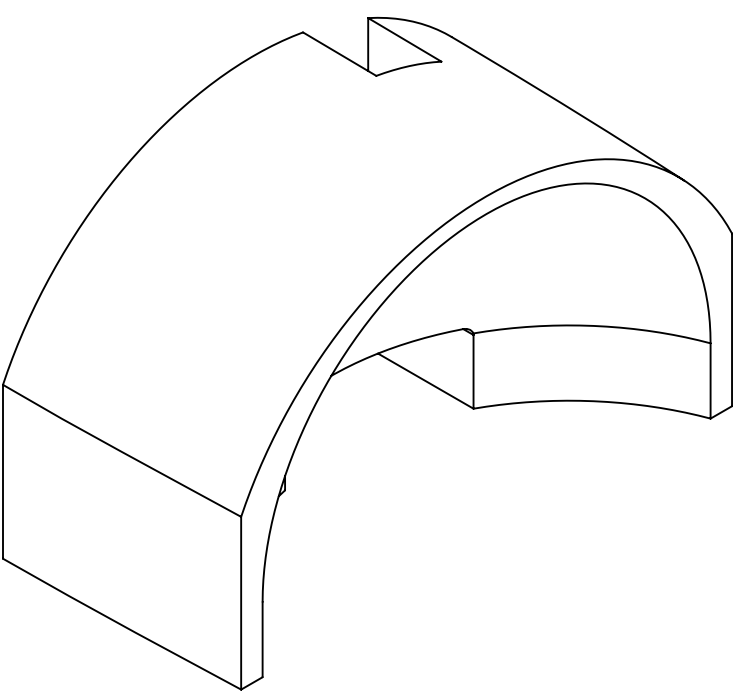
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



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 Hans Thomas		10/24/03	MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 						
Shop Foreman				1. DIMENSIONS ARE IN INCHES				ENGINEER Hans Thomas		10/24/03							
Engineer				2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030.				CHECKED									
NEXT ASSY Description	NEXT ASSY Number			5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				PROJECT NO.		200107		Kearfott Bay Lower Bracket Buoyancy Module					
				6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX. .012 INCHES FOR SINGLE SURFACE.				PROJECT		Seafloor Mapping							
Application				DO NOT SCALE DRAWING				WEIGHT				SIZE B		DWG. NO. 1002158		REV.	
												SCALE 1:3		CAD FILE: MECH ENG ON TORNADO		SHEET 7 OF 10	



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Inspector					1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Hans Thomas	10/24/03	 MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700						
Shop Foreman									ENGINEER Hans Thomas	10/24/03							
Engineer									CHECKED								
NEXT ASSY Description	NEXT ASSY Number								PROJECT NO.	200107							
					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.				PROJECT		Seafloor Mapping		MVC Bay Forward Upper Foam				
Application					DO NOT SCALE DRAWING				WEIGHT				SIZE B	DWG. NO.	1002161	REV.	
													SCALE	1:5	CAD FILE: MECH ENG ON TORNADO	SHEET	10 OF 10