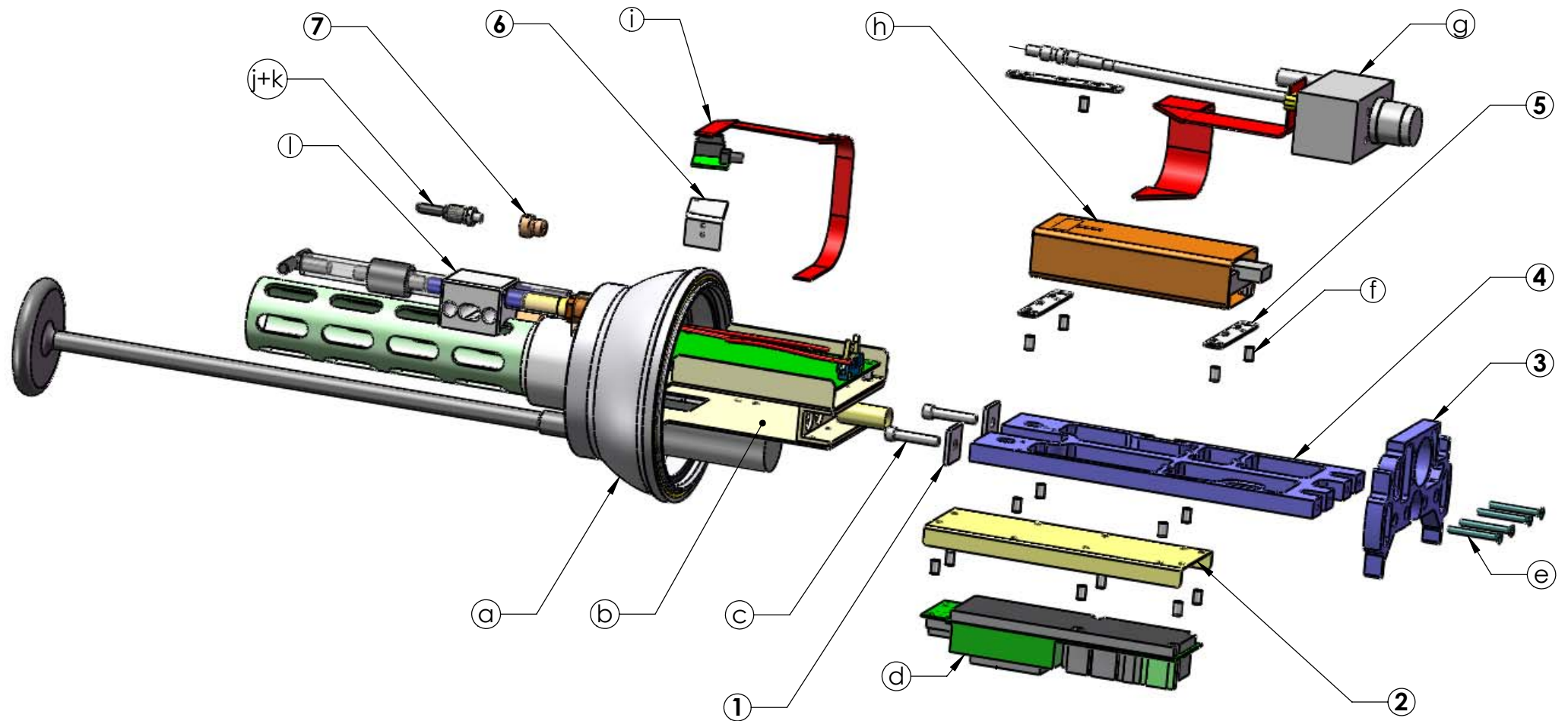
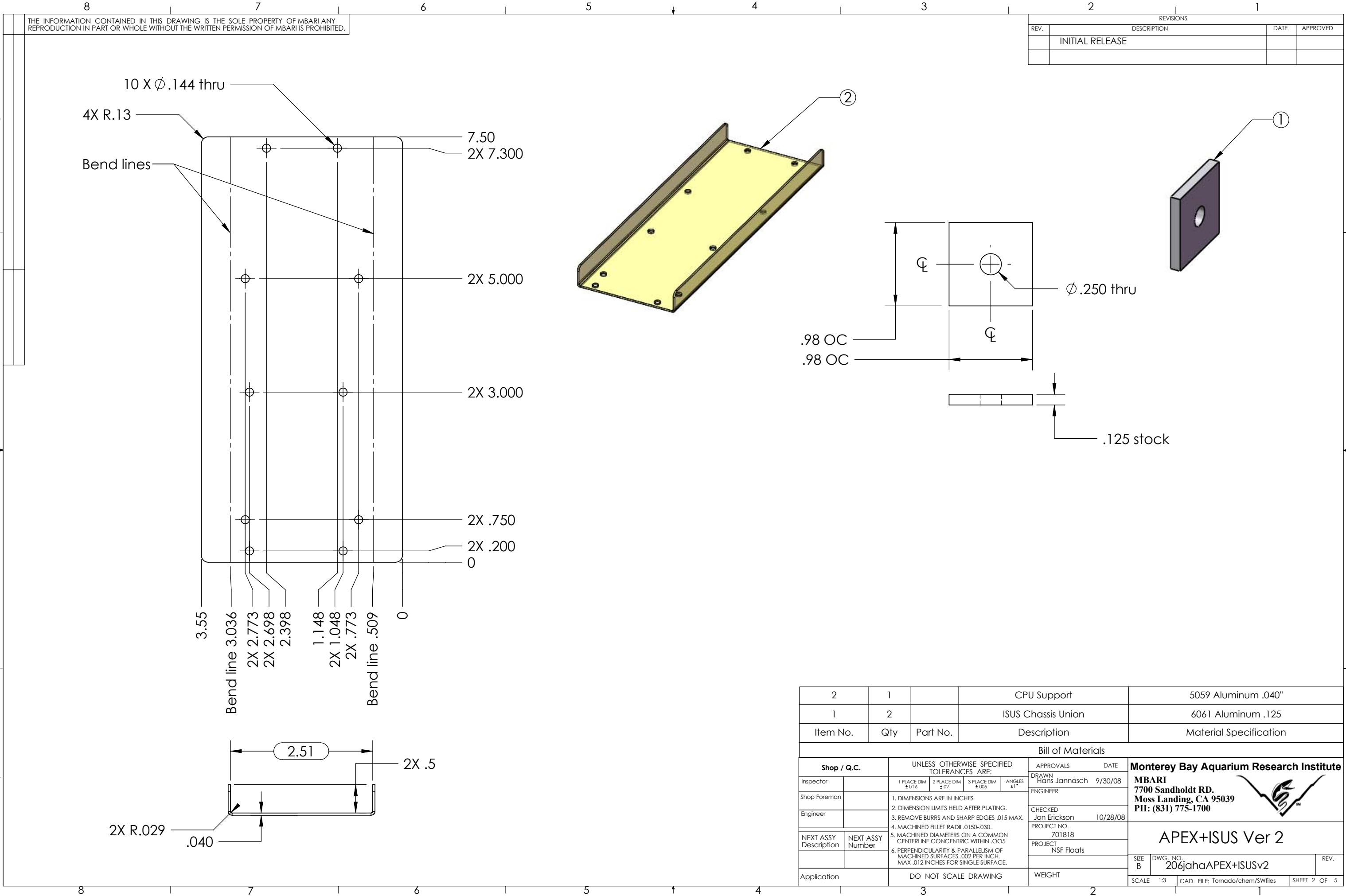
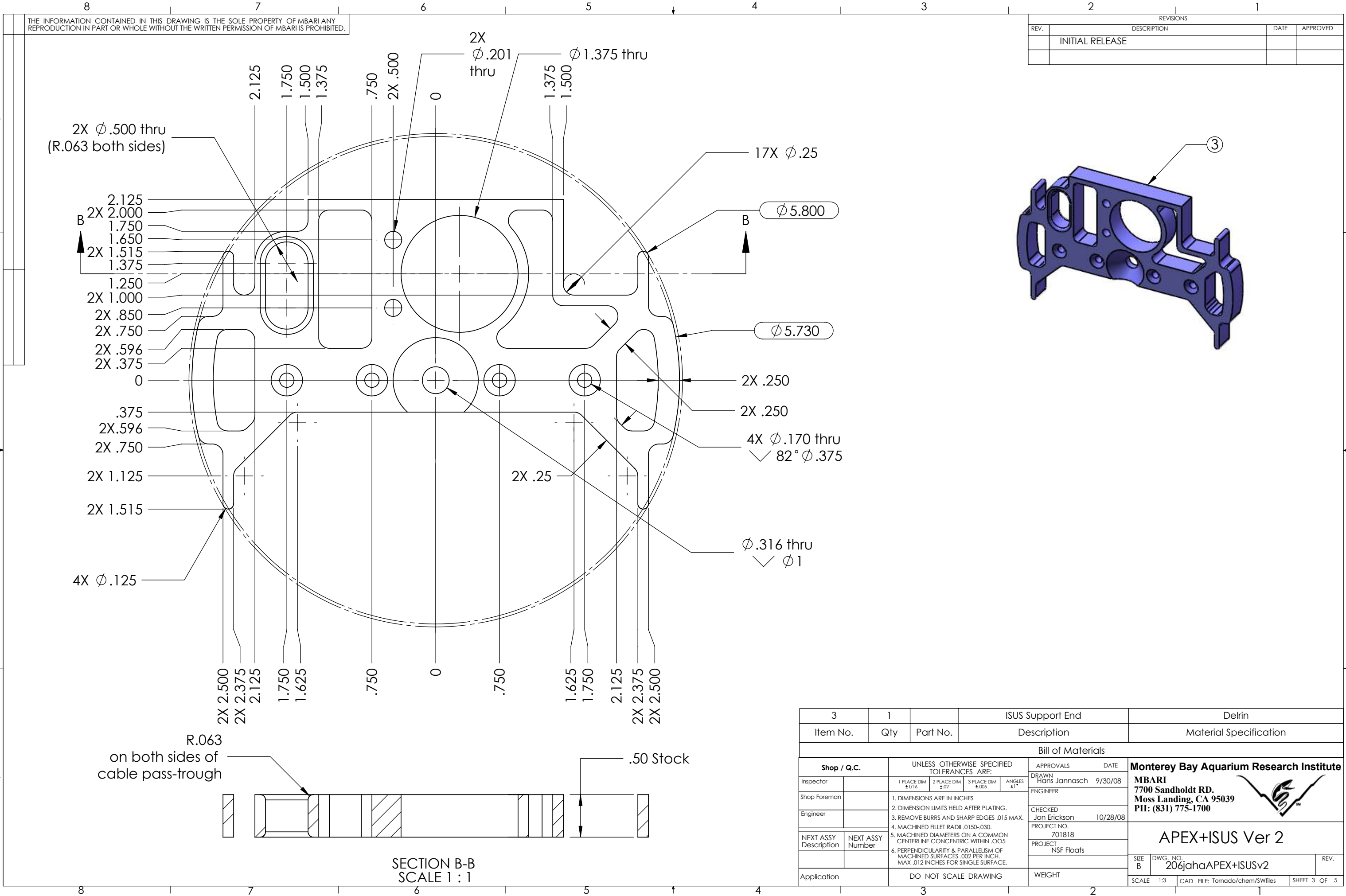




7	1		Impulse IE55 Bushing	PEEK
6	1		Reference Support	Delrin
5	3		Fiberlight Support	Delrin
4	1		ISUS Mount	Delrin
3	1		ISUS Support End	Delrin
2	1		CPU Support	5059 Aluminum .040"
1	2		ISUS Chassis Union	6061 Aluminum .125
Item No.	Qty	Part No.	Description	Material Specification

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 Hans Jannasch	9/30/08	ENGINEER				
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.				CHECKED Jon Erickson	10/28/08	PROJECT NO. 701818				
Engineer						PROJECT NSF Floats						
NEXT ASSY Description	NEXT ASSY Number											
Application		DO NOT SCALE DRAWING				WEIGHT		SIZE B		DWG. NO. 206jahaAPEX+ISUSv2		REV.
								SCALE 1:3		CAD FILE: Tornado/chem/SWfiles		SHEET 1 OF 5



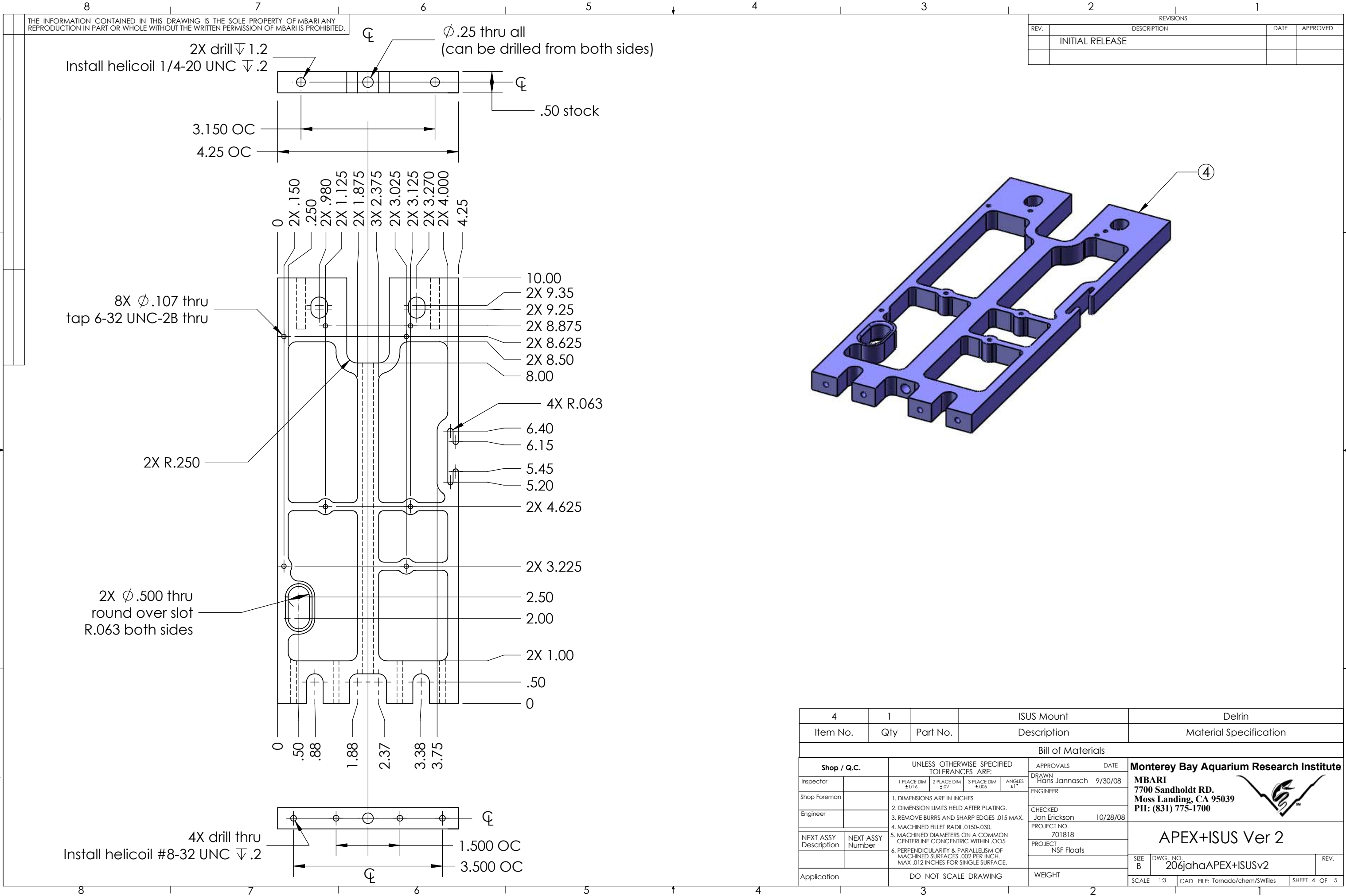


3		1				ISUS Support End		Delrin		
Item No.		Qty	Part No.	Description			Material Specification			
Bill of Materials										
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Hans Jannasch		9/30/08		
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		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 		
Engineer						CHECKED Jon Erickson				10/28/08
NEXT ASSY Description	NEXT ASSY Number	PROJECT NO. 701818		PROJECT NSF Floats		APEX+ISUS Ver 2				
Application		DO NOT SCALE DRAWING		WEIGHT						SIZE B
						SCALE 1:3	CAD FILE: Tornado/chem/SWfiles		SHEET 3 OF 5	

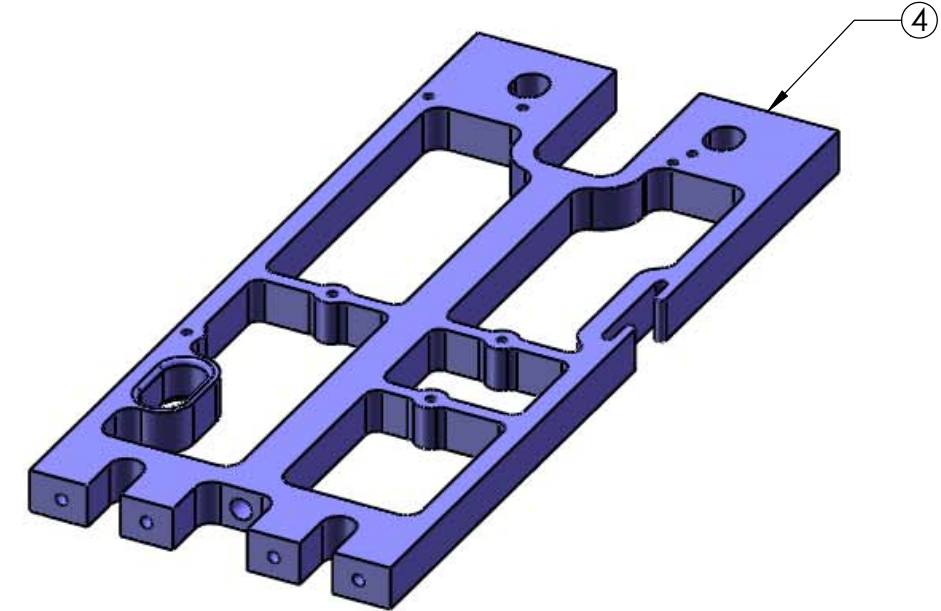
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MBARI
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700



APEX+ISUS Ver 2



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



4		1				ISUS Mount		Delrin	
Item No.		Qty		Part No.		Description		Material Specification	
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°	
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.				DRAWN Hans Jannasch		9/30/08	
Engineer						ENGINEER			
						CHECKED Jon Erickson		10/28/08	
NEXT ASSY Description		NEXT ASSY Number				PROJECT NO. 701818		APEX+ISUS Ver 2	
						PROJECT NSF Floats			
Application		DO NOT SCALE DRAWING				WEIGHT		SIZE B	
								DWG. NO. 206jahaAPEX+ISUSv2	
								REV.	
						SCALE 1:3		CAD FILE: Tornado/chem/SWfiles	
								SHEET 4 OF 5	

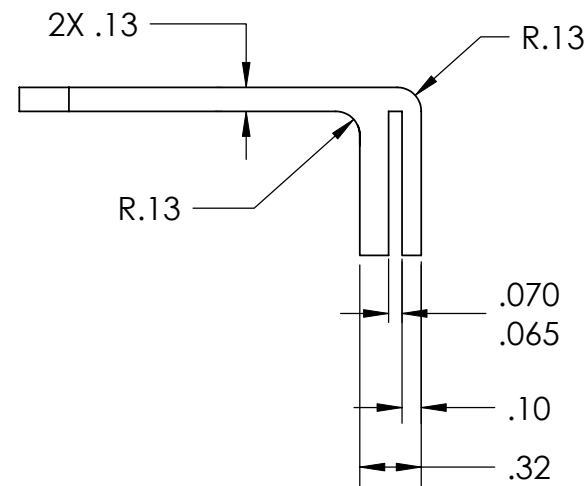
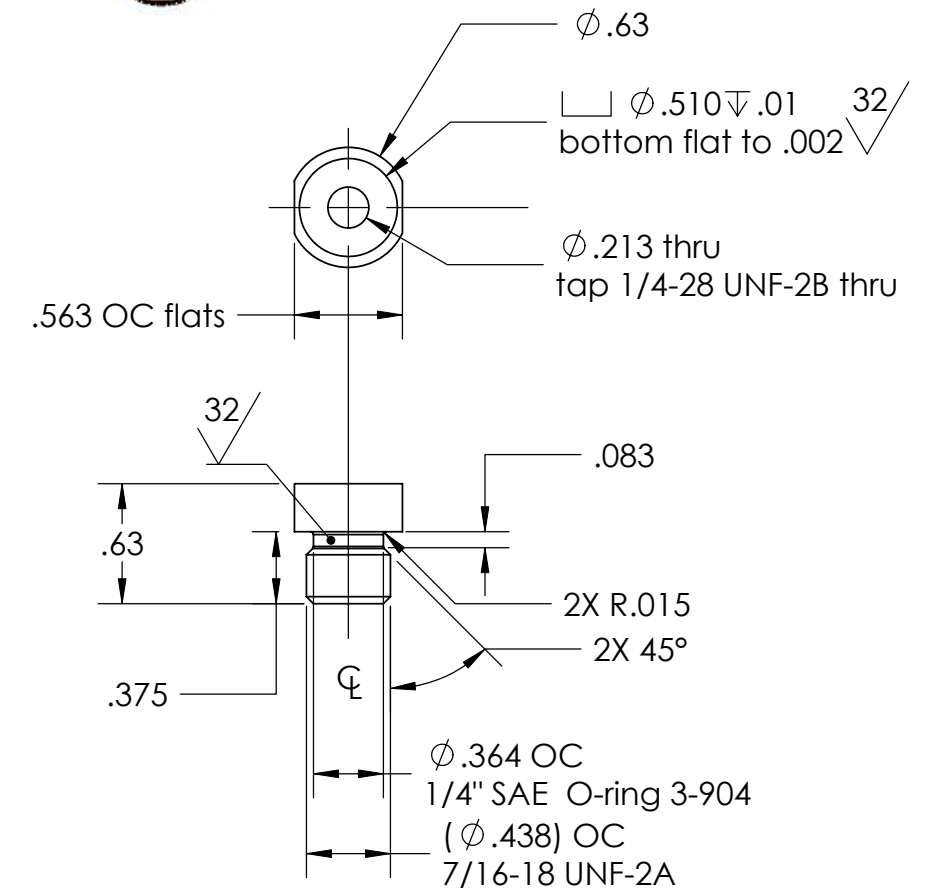
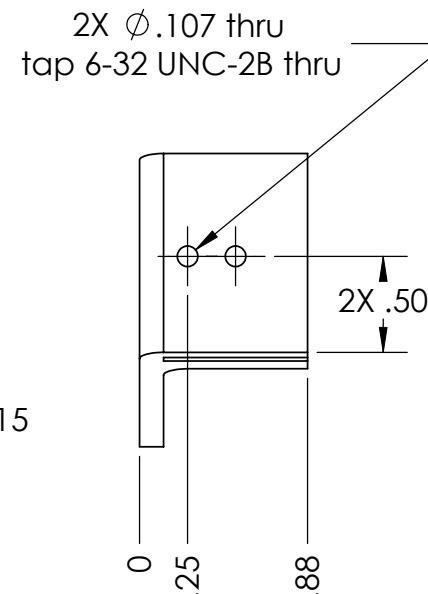
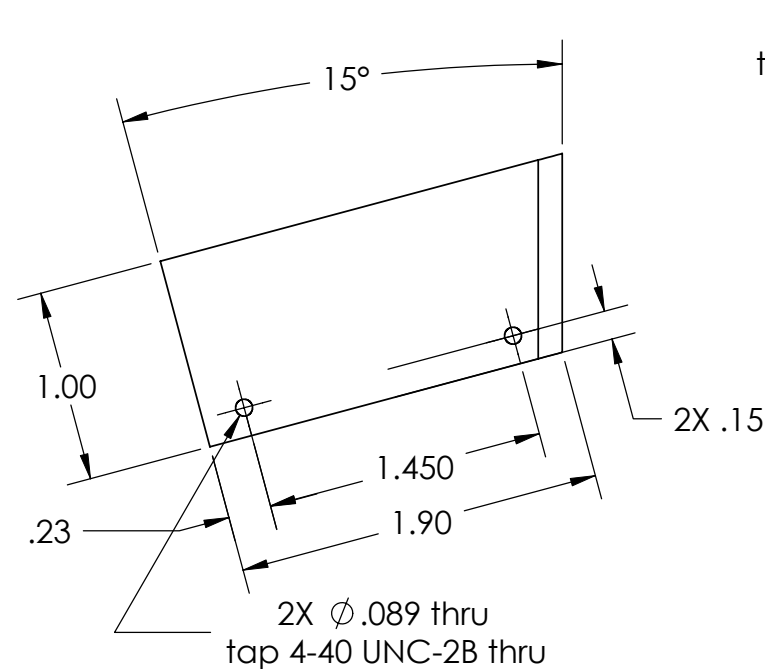
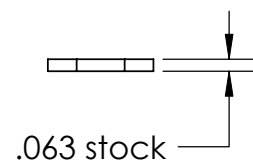
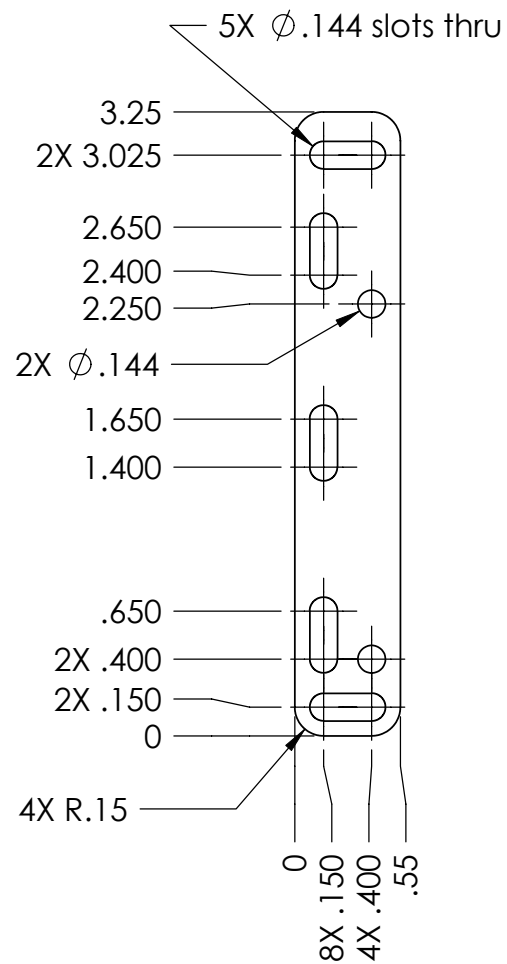
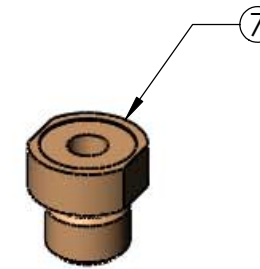
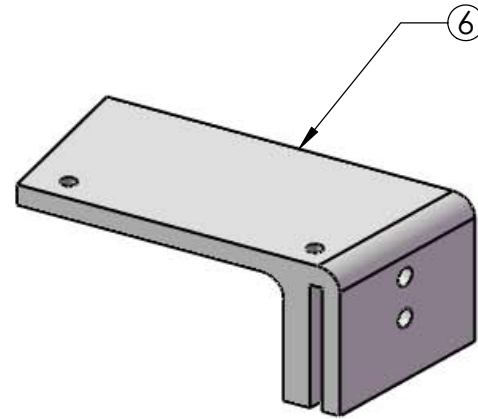
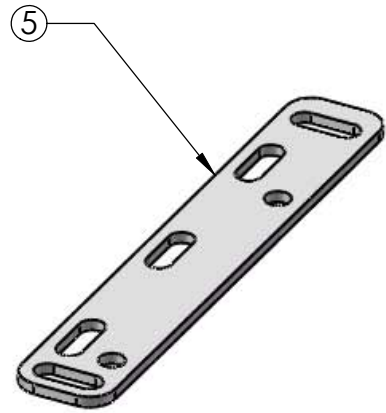
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REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



7	1		Impulse IE55 Bushing	PEEK
6	1		Reference Support	Delrin
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Item No.	Qty	Part No.	Description	Material Specification

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 	
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Engineer						PROJECT NSF Floats					
NEXT ASSY Description	NEXT ASSY Number									APEX+ISUS Ver 2 SIZE B DWG. NO. 206jahaAPEX+ISUSv2 REV.	
Application		DO NOT SCALE DRAWING				WEIGHT				SCALE 1:3 CAD FILE: Tornado/chem/SWfiles SHEET 5 OF 5	