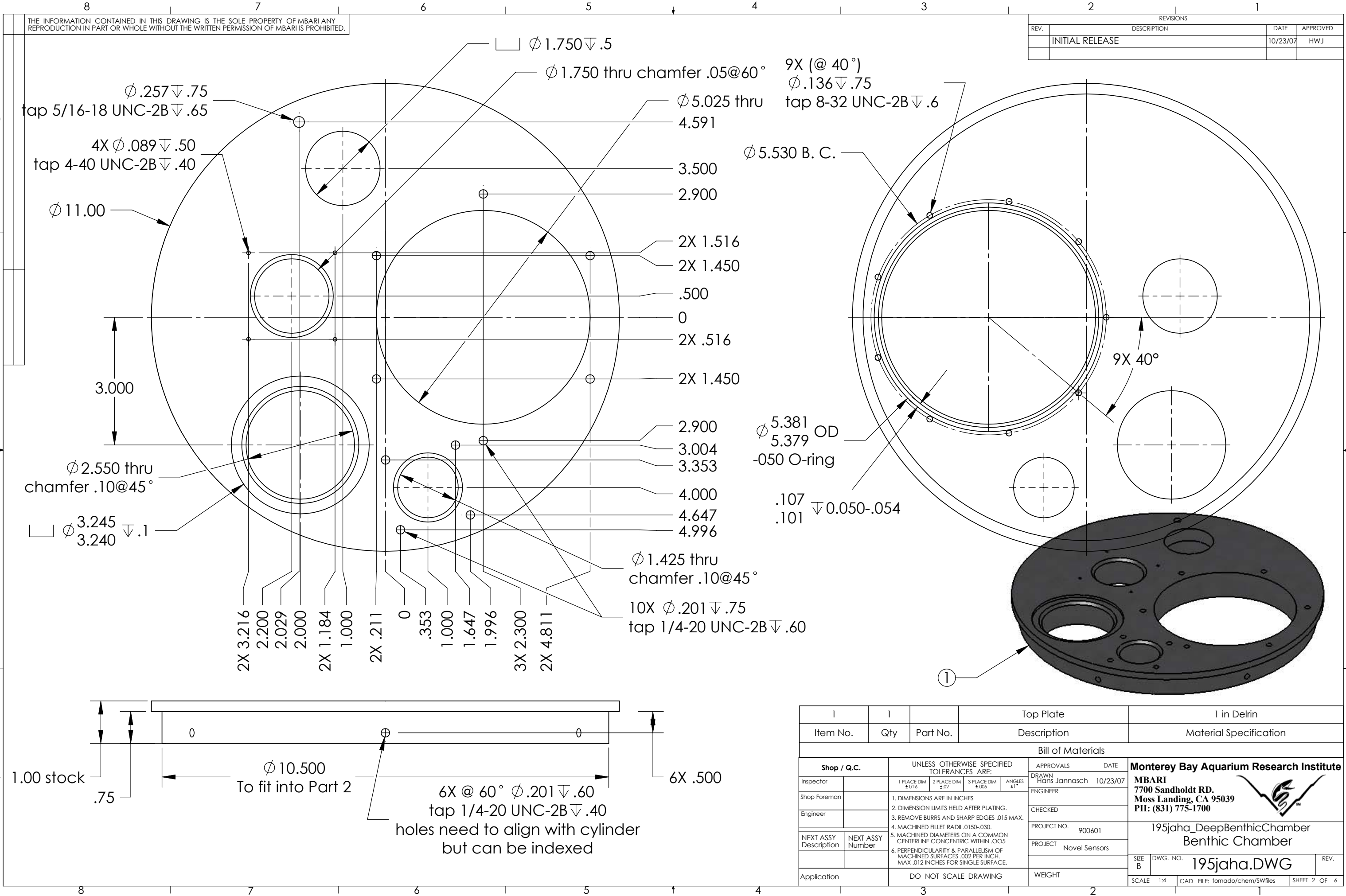
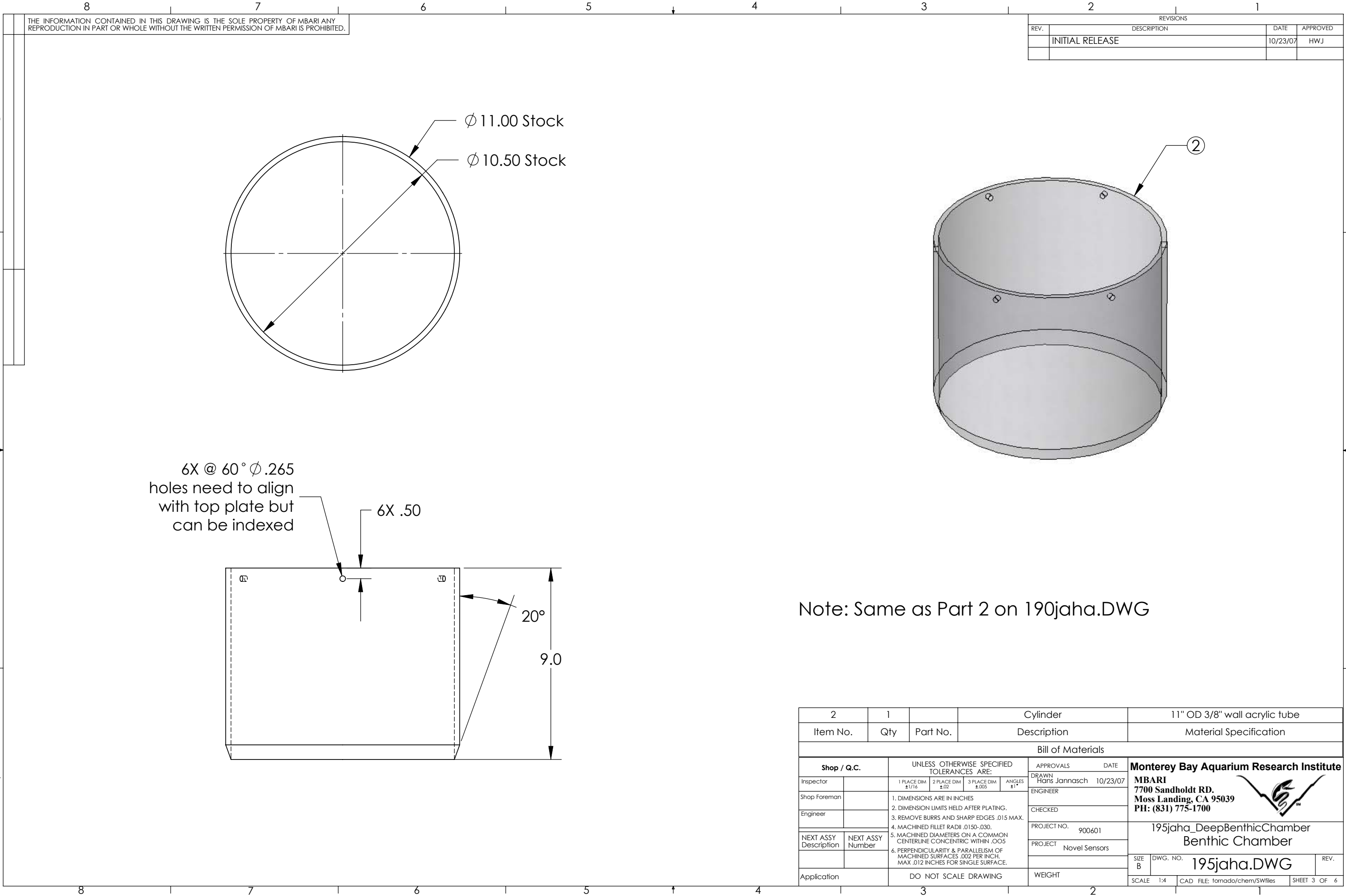


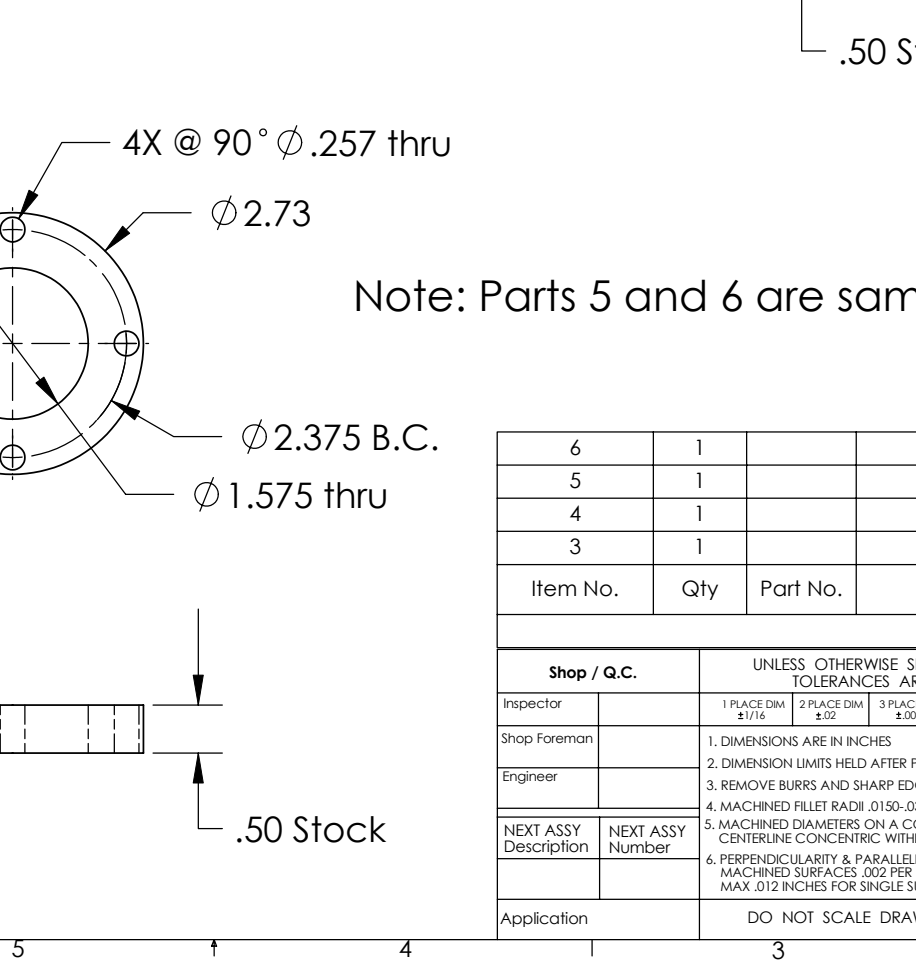
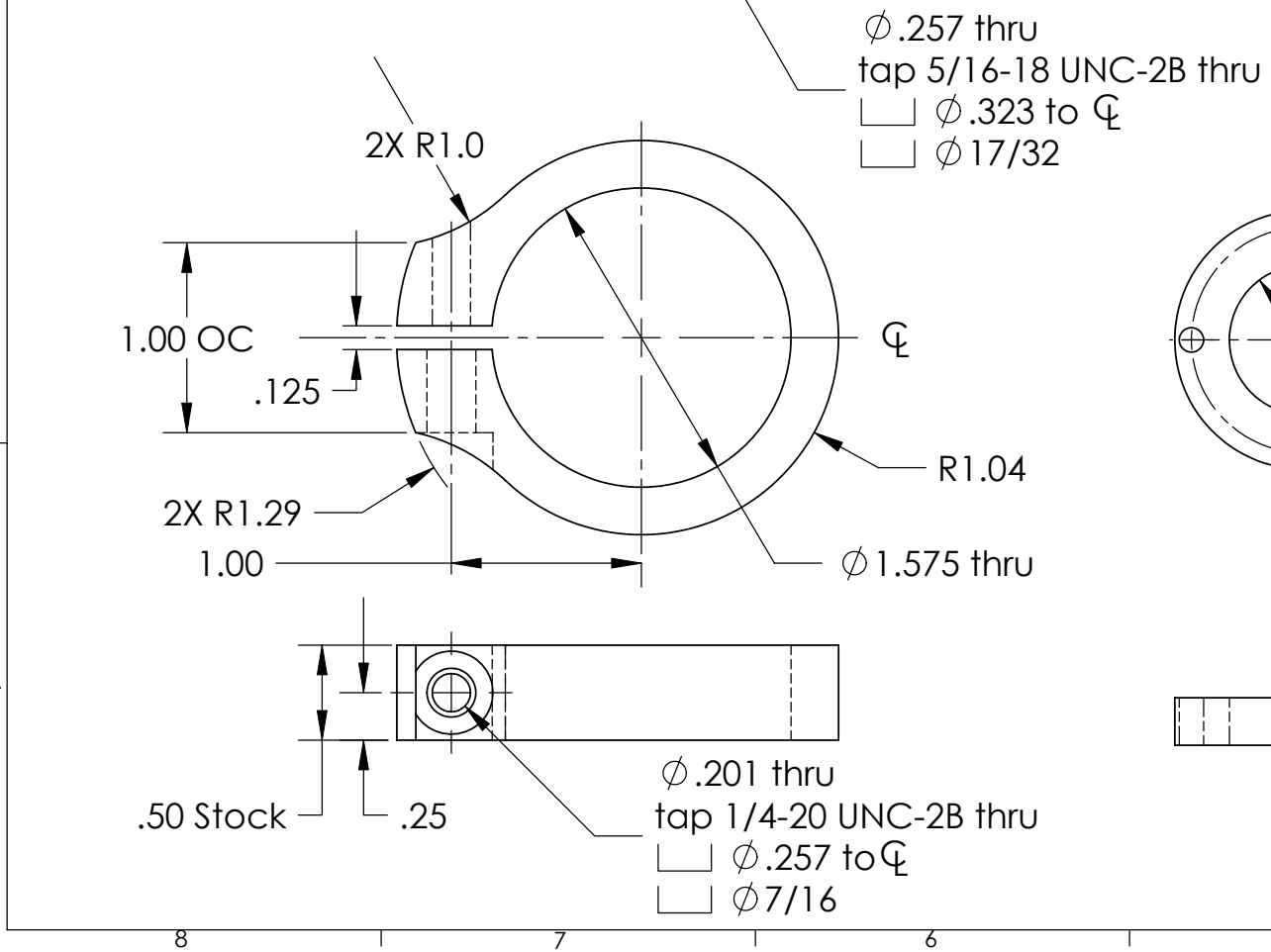
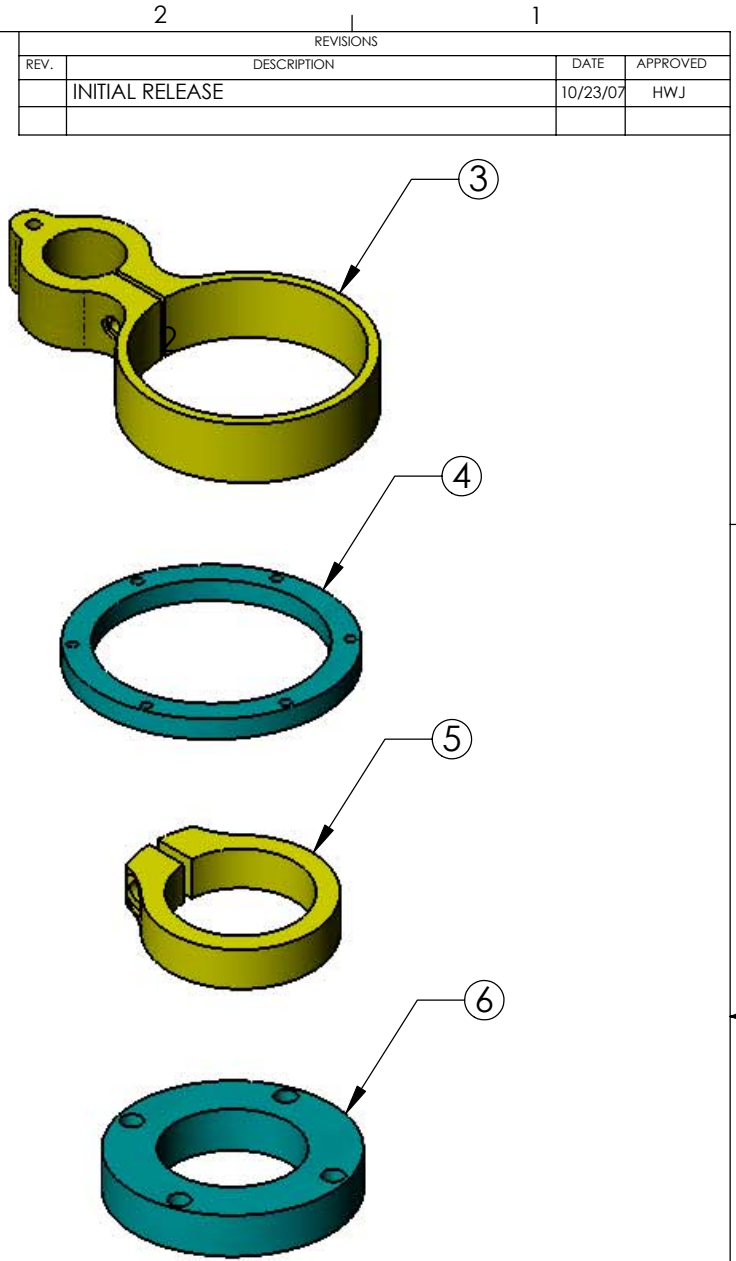
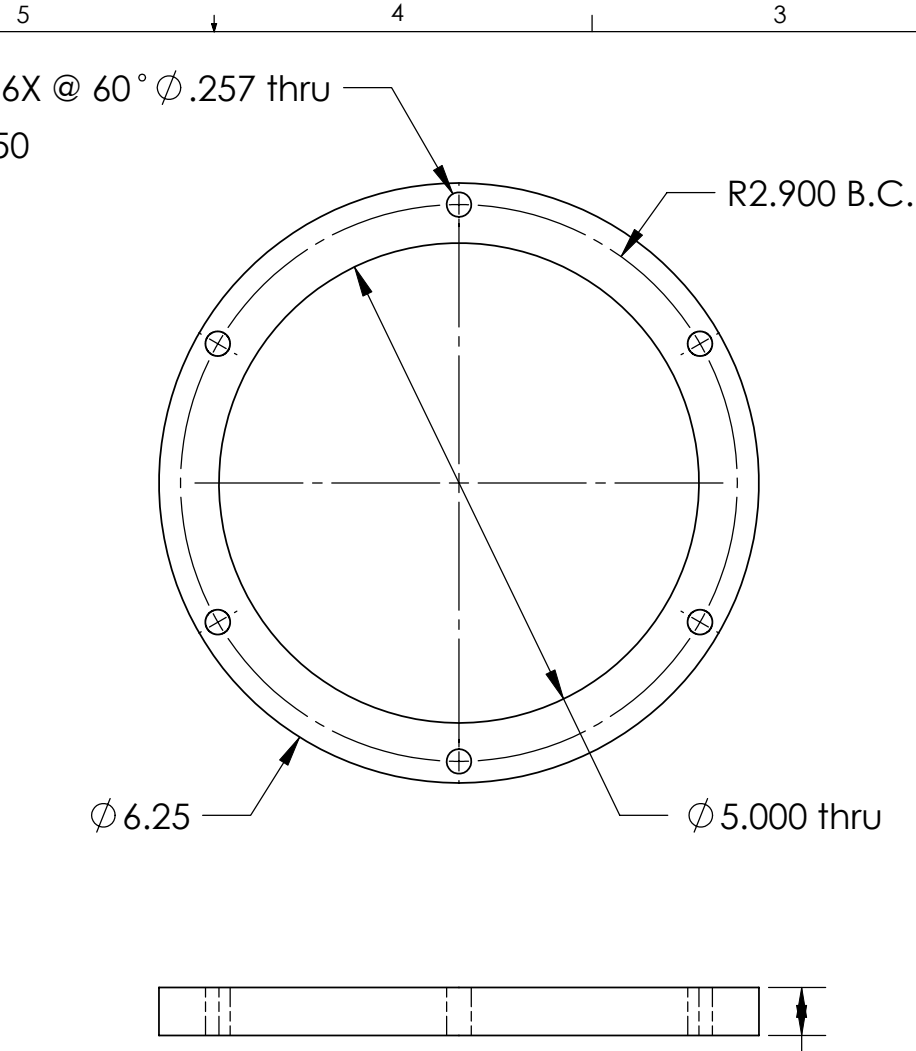
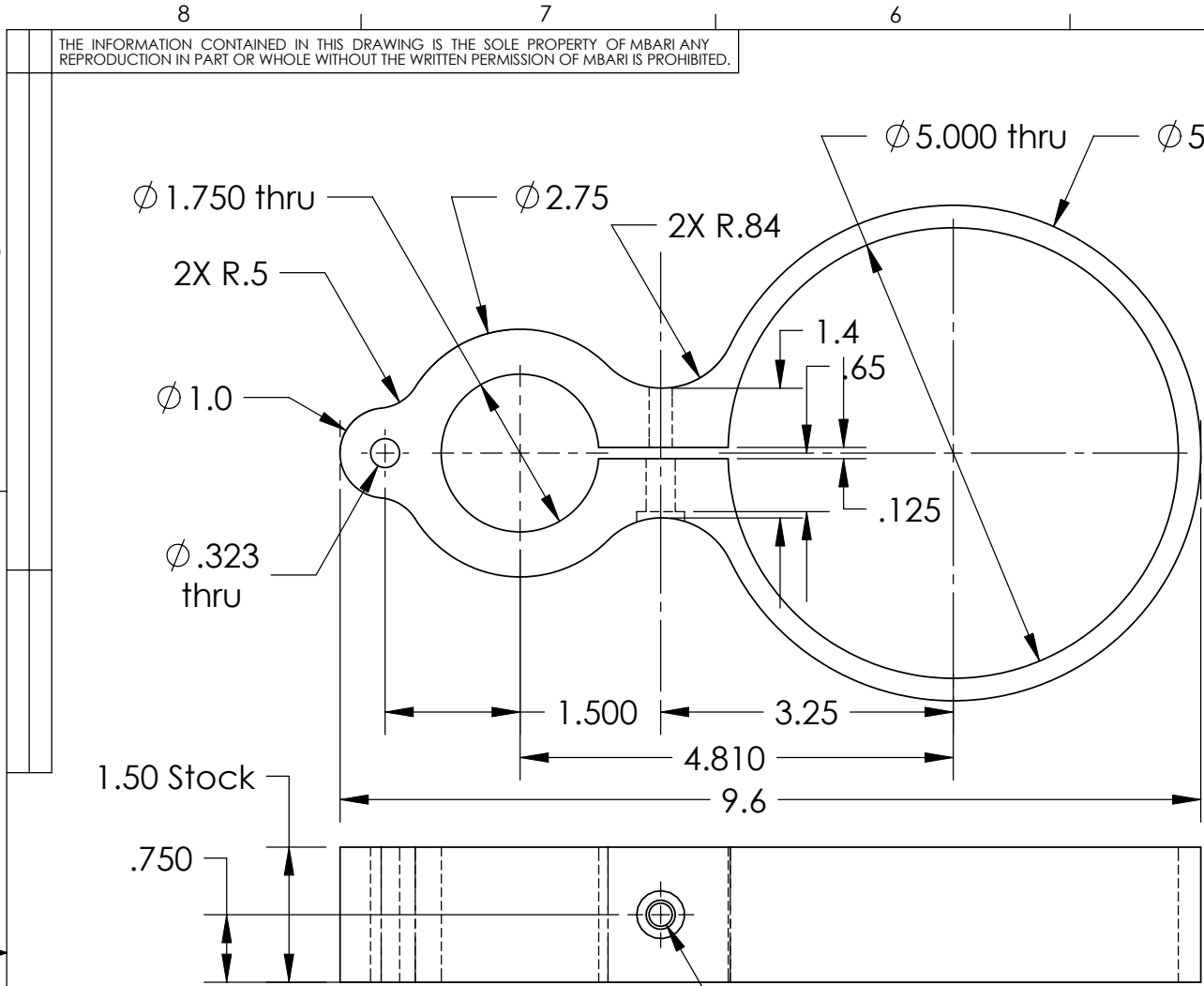


A	1 assy		Hobson mixer assembly	Delrin base, acrylic top
9	1		ISUS guide	Delrin
8	1		ISUS support plate	Delrin
7	1		Vent	Delrin
6	1		Optode hold down ring	1/2" Delrin
5	1		Optode clamp	1/2" Delrin
4	1		ISUS hold down ring	1/2" Delrin
3	1		ISUS clamp	1.5 in Delrin
2	1		Cylinder	11" OD 3/8" wall acrylic tube
1	1		Top Plate	1 in Delrin
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	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Hans Jannasch	10/23/07	ENGINEER		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.				CHECKED		PROJECT NO.		195jaha_DeepBenthicChamber	
Engineer						PROJECT		Novel Sensors		Benthic Chamber	
NEXT ASSY Description	NEXT ASSY Number					SIZE B		DWG. NO.		REV.	
Application		DO NOT SCALE DRAWING				WEIGHT		SCALE 1:8 CAD FILE: tornado/chem/SWfiles		SHEET 1 OF 4	

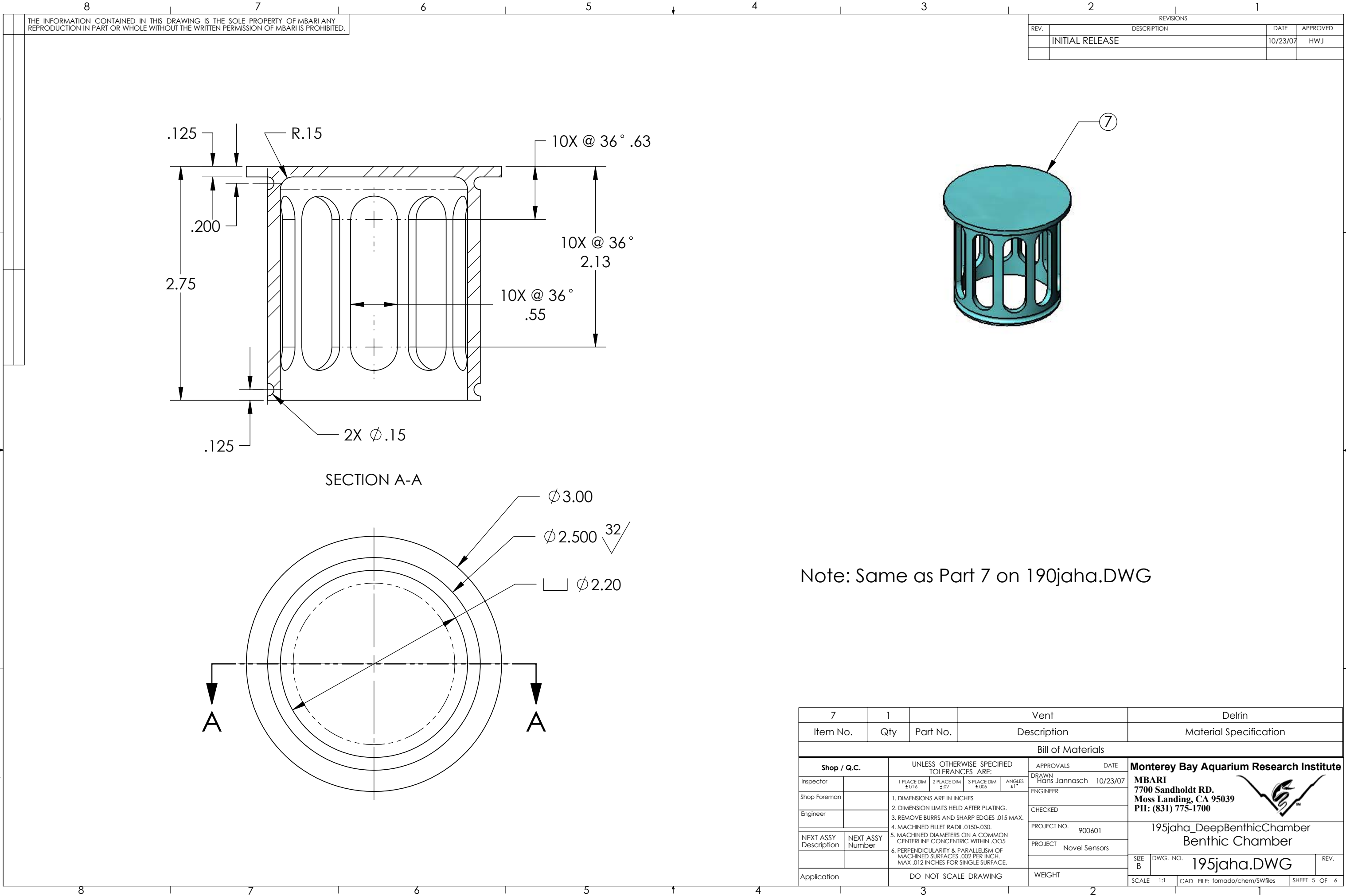


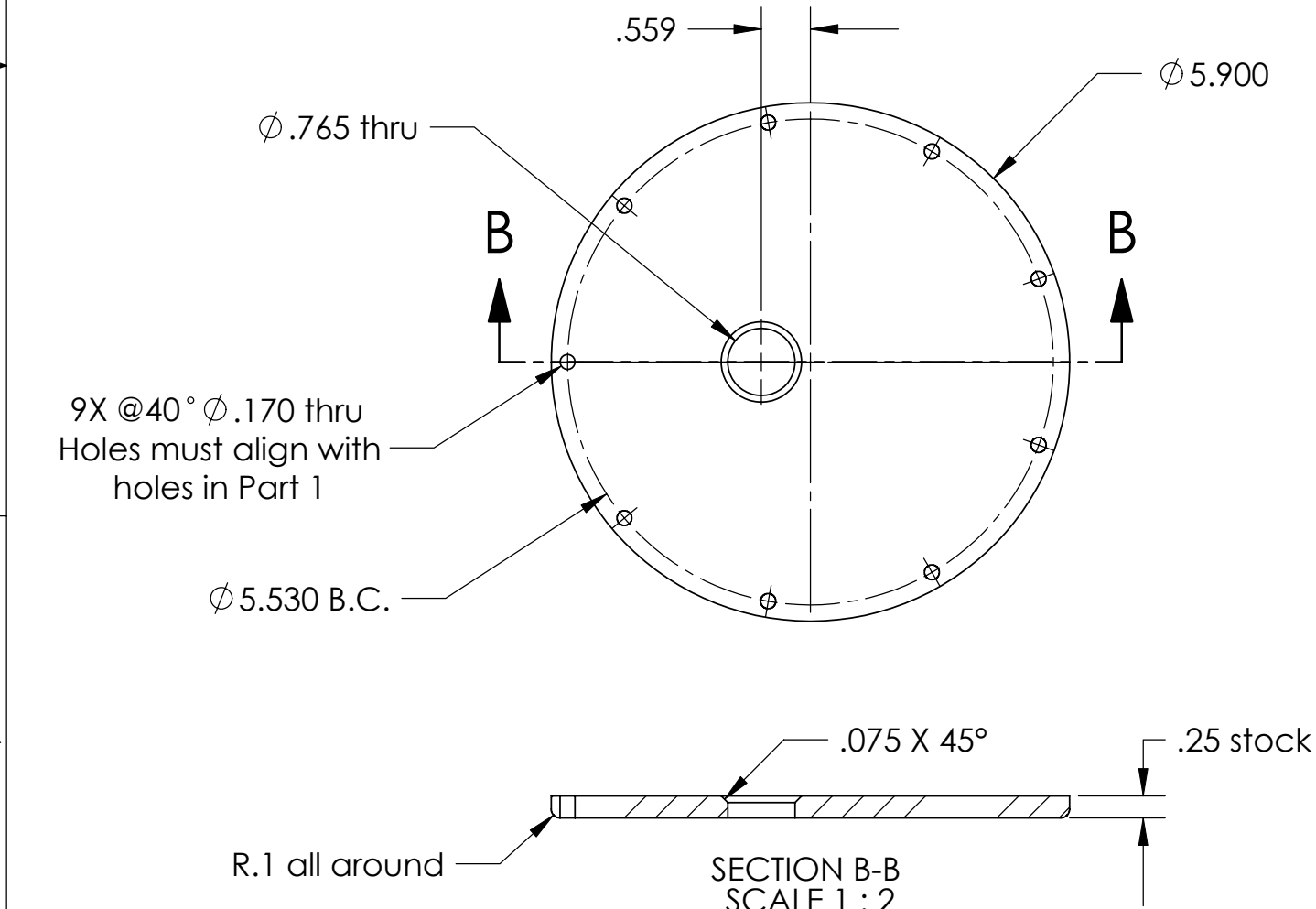
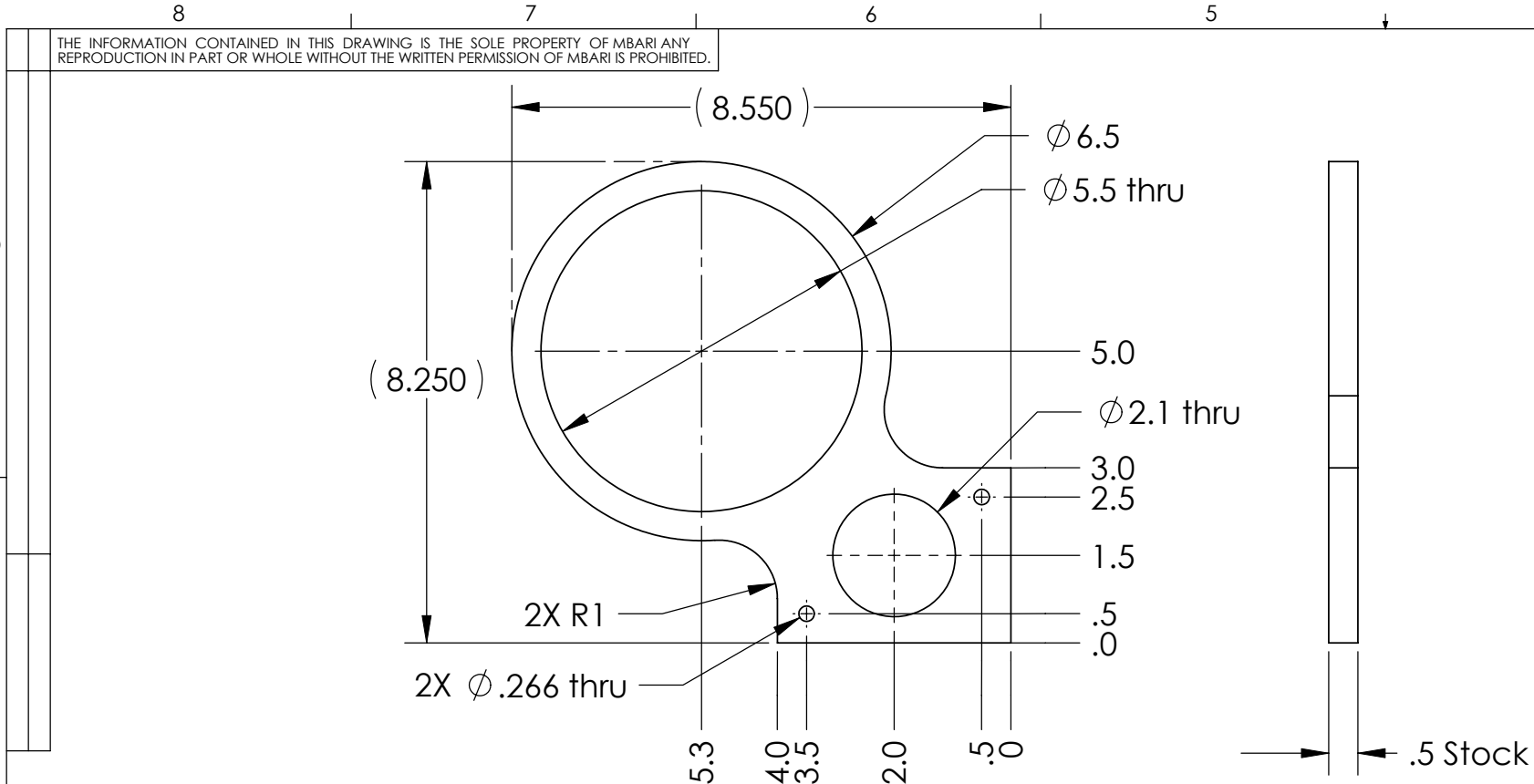




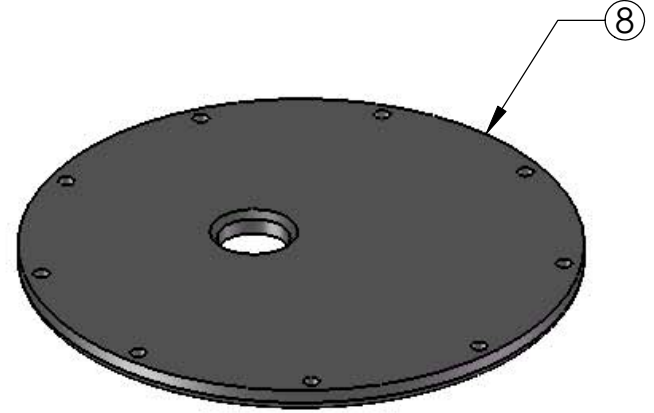
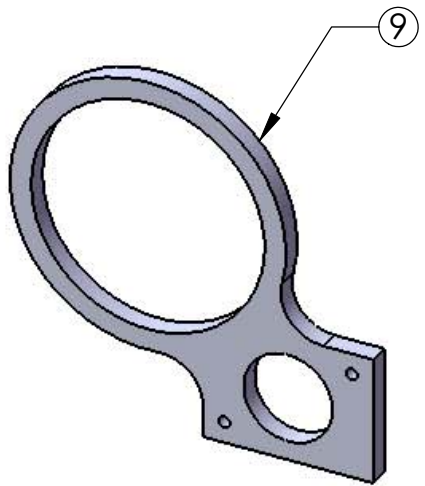
Note: Parts 5 and 6 are same as Parts 5 and 6 on 190jaha.DWG

6	1		Optode hold down ring	1/2" Delrin
5	1		Optode clamp	1/2" Delrin
4	1		ISUS hold down ring	1/2" Delrin
3	1		ISUS clamp	1-1/2" in 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
Shop Foreman		1. DIMENSIONS ARE IN INCHES		
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		
		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		
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		
Application		DO NOT SCALE DRAWING		WEIGHT
		2		
Monterey Bay Aquarium Research Institute				
MBARI				
7700 Sandholdt RD.				
Moss Landing, CA 95039				
PH: (831) 775-1700				
				
195jaha_DeepBenthicChamber				
Benthic Chamber				
SIZE B		DWG. NO. 195jaha.DWG		REV.
SCALE 1:2		CAD FILE: tornado/chem/SWfiles		SHEET 4 OF 6





REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	10/23/07	HWJ



9	1		ISUS guide	Delrin
8	1		ISUS support plate	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
Shop Foreman		1. DIMENSIONS ARE IN INCHES		ENGINEER
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		CHECKED
		4. MACHINED FILLET RADII .0150-.030.		
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		PROJECT NO. 900601
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		PROJECT Novel Sensors
Application		DO NOT SCALE DRAWING		WEIGHT
		3		2
Monterey Bay Aquarium Research Institute				
MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700				
195jaha_DeepBenthicChamber Benthic Chamber				
		SIZE B	DWG. NO. 195jaha.DWG	REV.
		SCALE 1:1	CAD FILE: tornado/chem/SWfiles	SHEET 6 OF 6