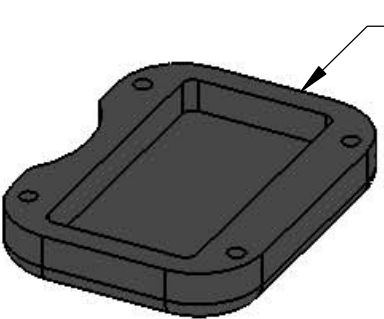
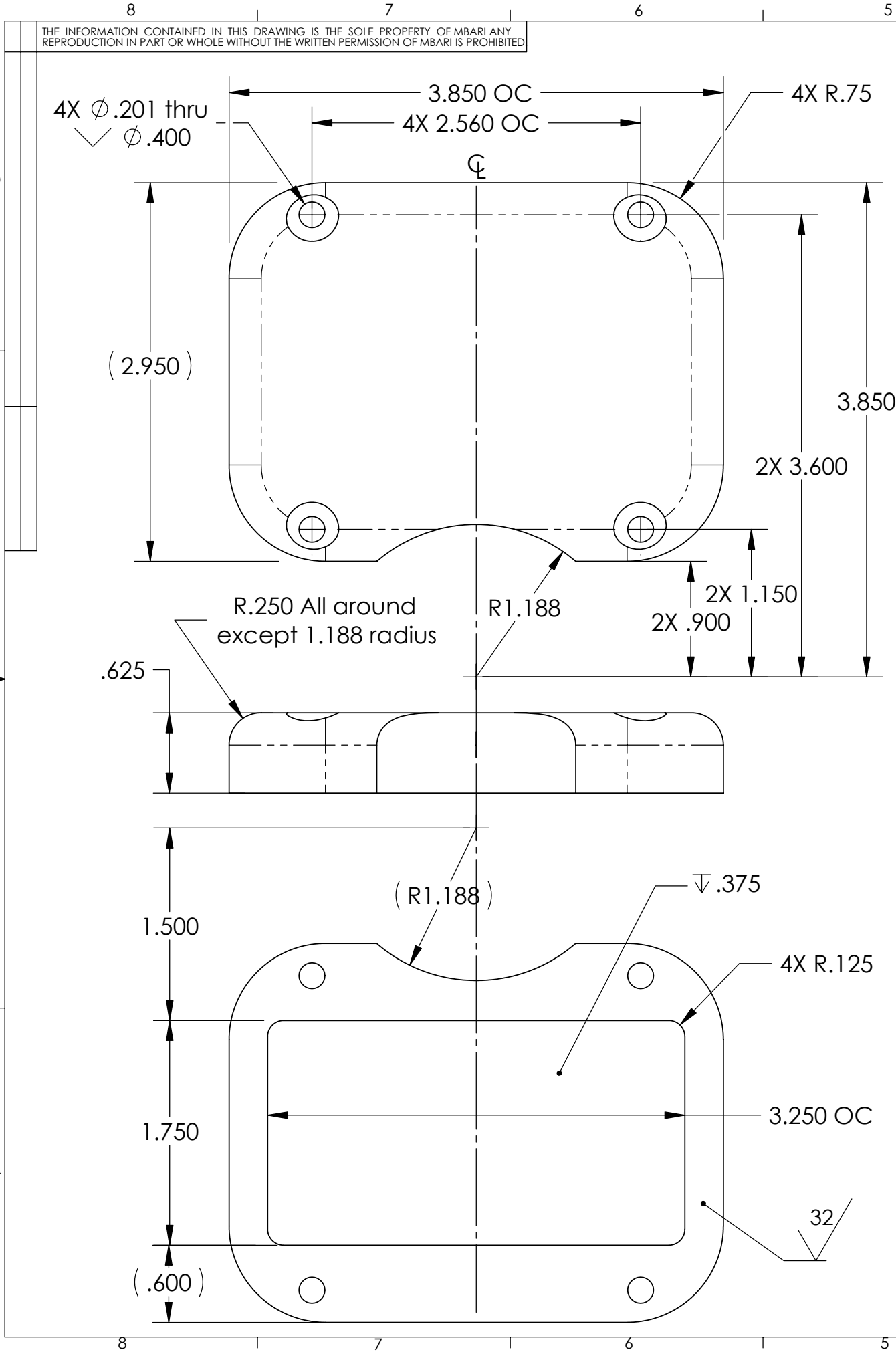
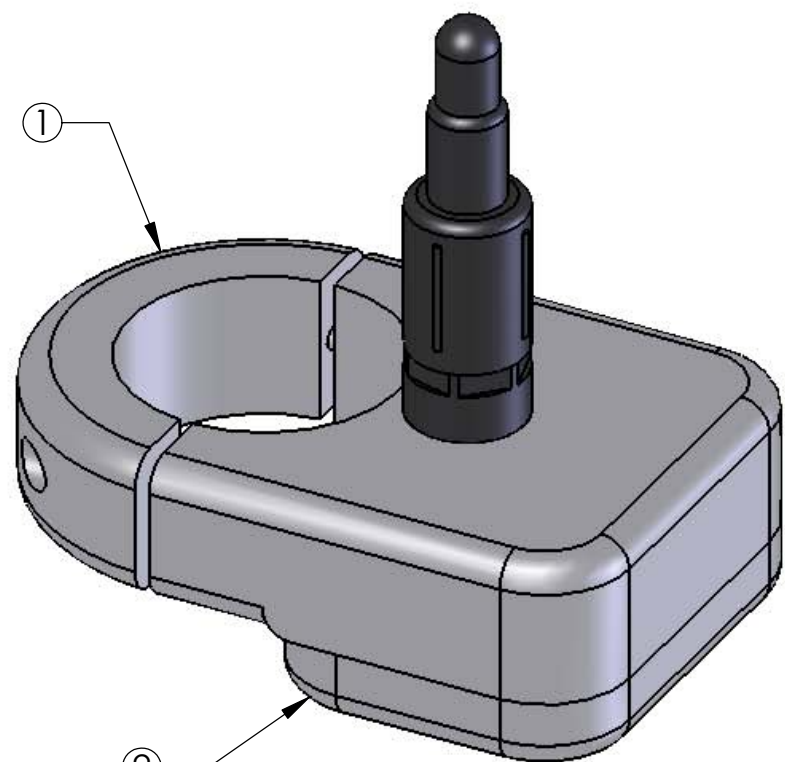
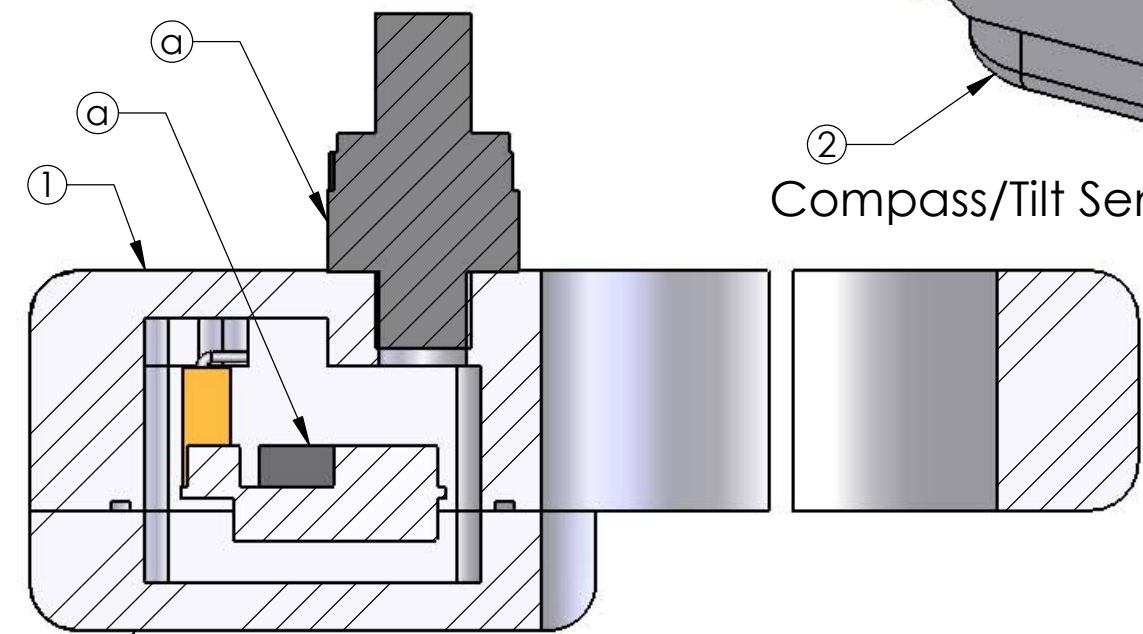




- Other Parts:
- a) FSI oem compass/tilt sensor (OST-CPS)
 - b) Impulse 4-pin connector (VSG-BCL-HP SS)
 - c) O-ring (-041)
 - d) Mast security screws (4X 10-32x1in)
 - e) Seal security screws (4X 10-32x3/4in)
 - f) Mounting screws (4X 4-40x3/4in)
 - g) Nylon standoffs (4X #4x1/2in)



Compass/Tilt Sensor Assembly



Cross section of Assembly

2	1@		Housing-Bottom	White Delrin	
1	1@		Housing-Top	White 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	DRAWN Hans Jannasch 11/3/04
Shop Foreman		1. DIMENSIONS ARE IN INCHES			
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.			CHECKED
NEXT ASSY Description		NEXT ASSY Number		PROJECT NO. 701144	
				PROJECT NSF LOBO Grant	
				SIZE B DWG. NO. 166jaha.DWG	
Application		DO NOT SCALE DRAWING		WEIGHT	
				SCALE 1:2 CAD FILE: tornado/chem/SWfiles SHEET 1 OF 2	

Monterey Bay Aquarium Research Institute

MBARI

7700 Sandholdt RD.

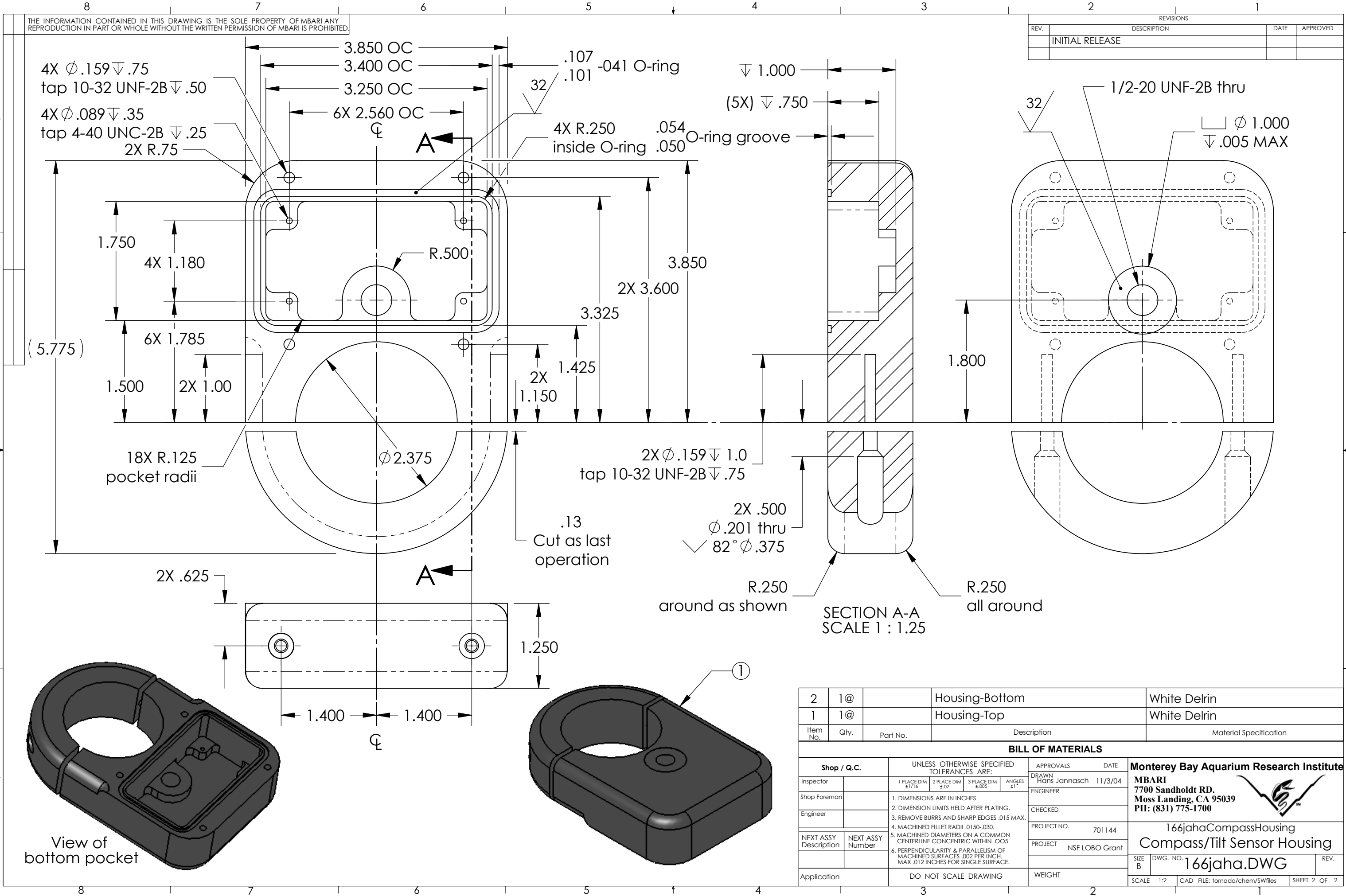
Moss Landing, CA 95039

PH: (831) 775-1700



166jahaCompassHousing

Compass/Tilt Sensor Housing



2	1@		Housing-Bottom	White Delrin	
1	1@		Housing-Top	White 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	 Monterey Bay Aquarium Research Institute 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.			
Engineer					
NEXT ASSY Description	NEXT ASSY Number	PROJECT NO.		701144	
		PROJECT		NSF LOBO Grant	
Application		DO NOT SCALE DRAWING		WEIGHT	
		SIZE B		DWG. NO.	166jaha.DWG
		SCALE 1:2		CAD FILE: tornado/chem/SWfiles	REV.
				SHEET 2 OF 2	

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Moss Landing, CA 95039
PH: (831) 775-1700

166jahaCompassHousing
Compass/Tilt Sensor Housing