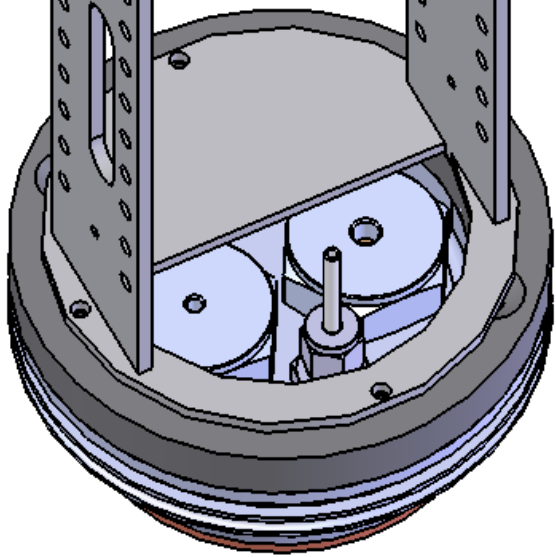
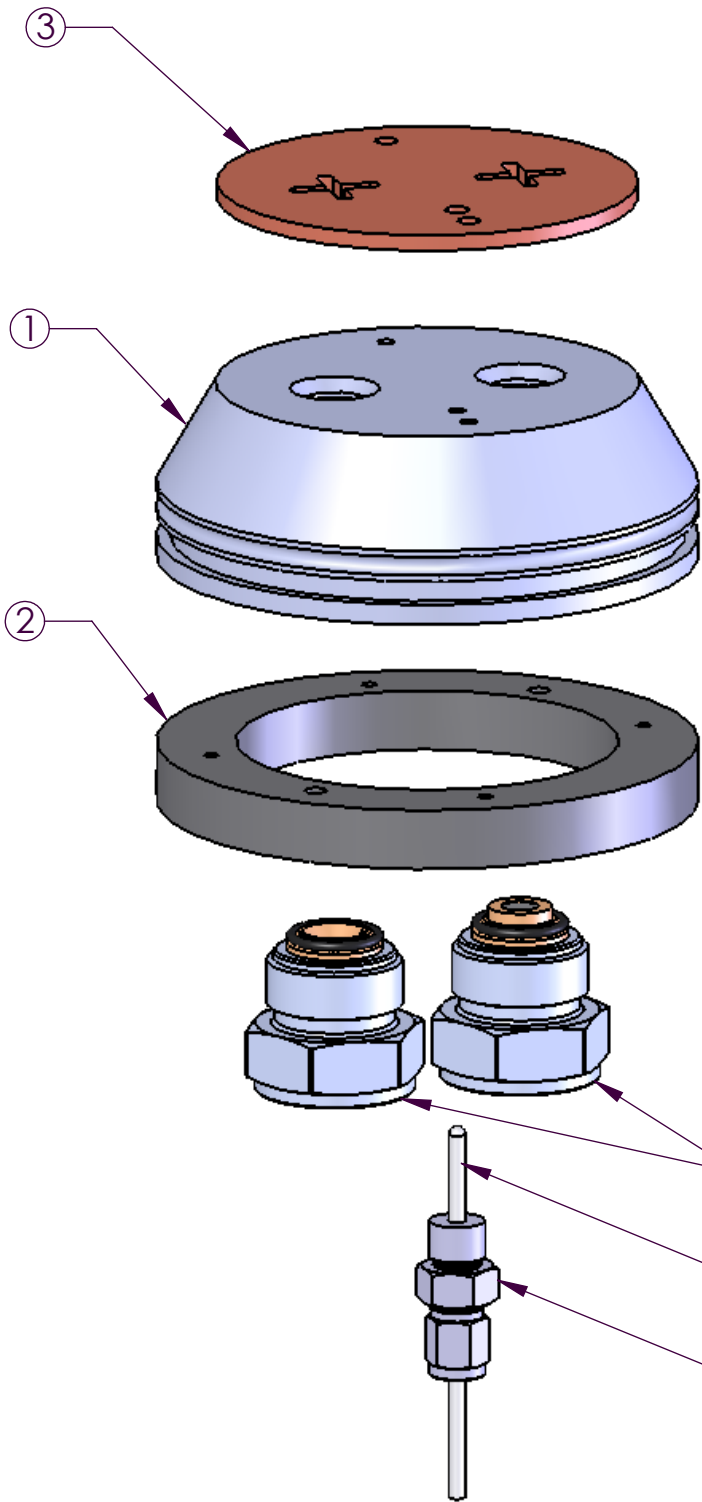
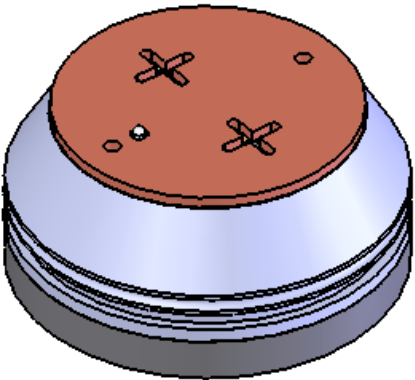


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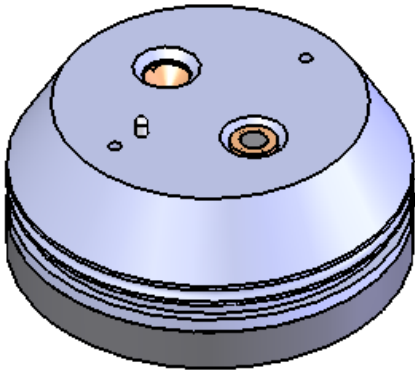
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



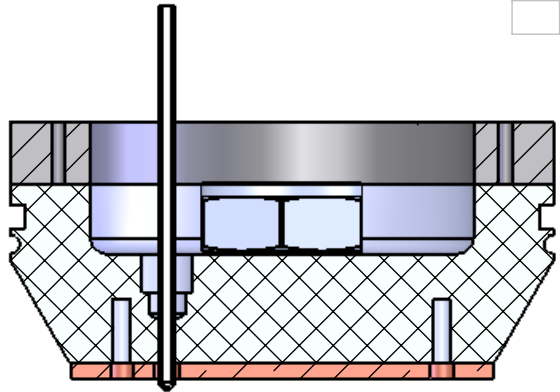
Rear view of Assembly



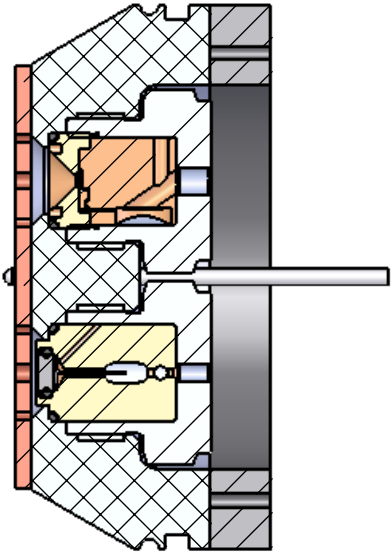
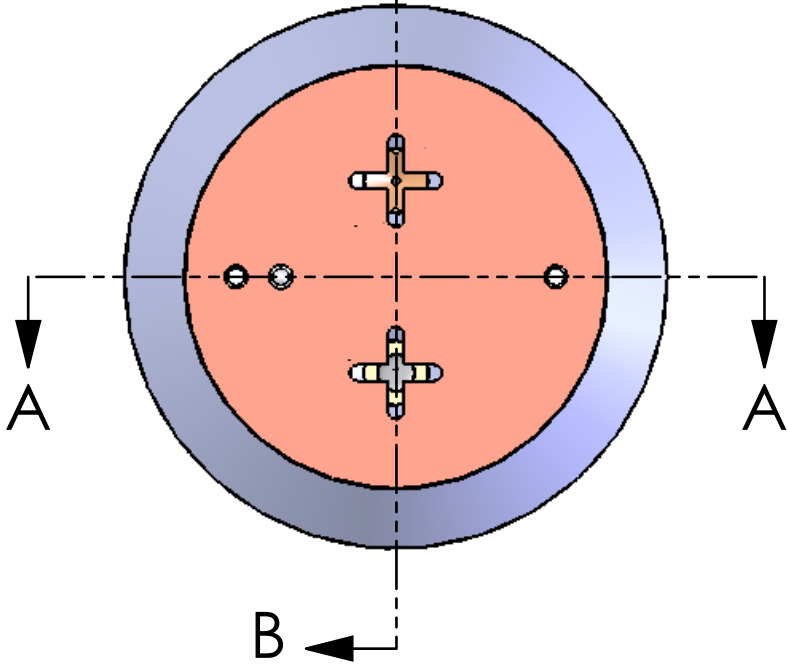
Assembly with Cu shield



Assembly w/o Cu shield



SECTION A-A
SCALE 1 : 1.5



SECTION B-B
SCALE 1 : 1.5

3	1		Copper HPpH	1/8" Copper sheet
2	1		Endcap-Inside	Aluminum
1	1		Endcap HPpH	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 11/22/10
Shop Foreman		1. DIMENSIONS ARE IN INCHES	ENGINEER
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.	CHECKED
NEXT ASSY Description	NEXT ASSY Number	3. REMOVE BURRS AND SHARP EDGES .015 MAX.	PROJECT NO. 900918
		4. MACHINED FILLET RADII .015-.030.	PROJECT Novel Sensors
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005	WEIGHT
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.	SCALE 1:3
Application		DO NOT SCALE DRAWING	CAD FILE: Tornado/chem/SWfiles

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

High Pressure pH Endcap

SIZE B	DWG. NO. 236jahaHPpHendcap	REV.
SCALE 1:3	CAD FILE: Tornado/chem/SWfiles	SHEET 1 OF 3

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

D

C

B

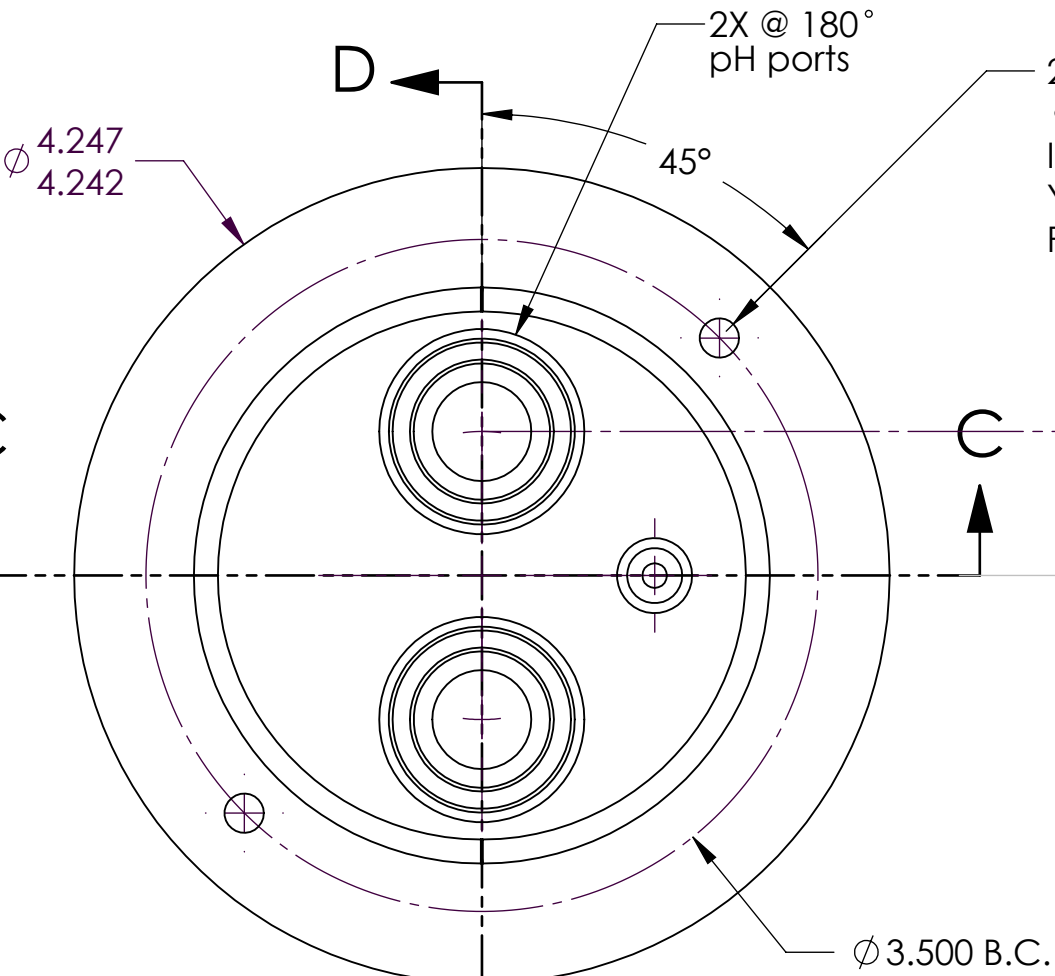
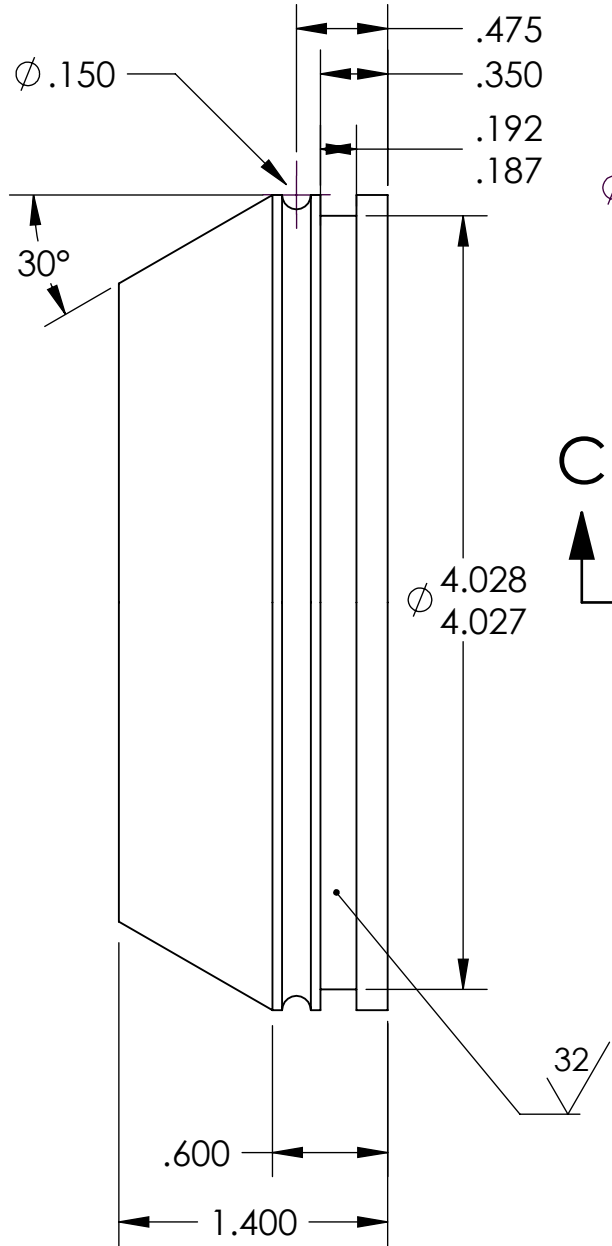
A

D

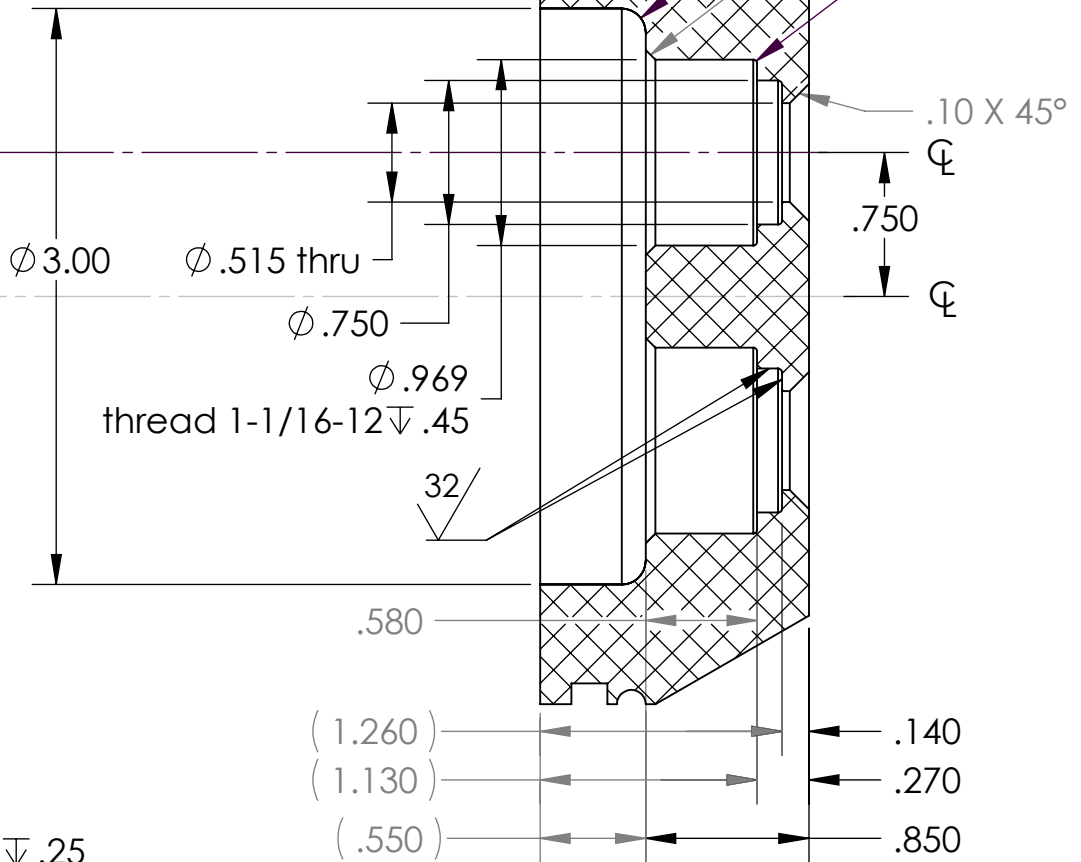
C

B

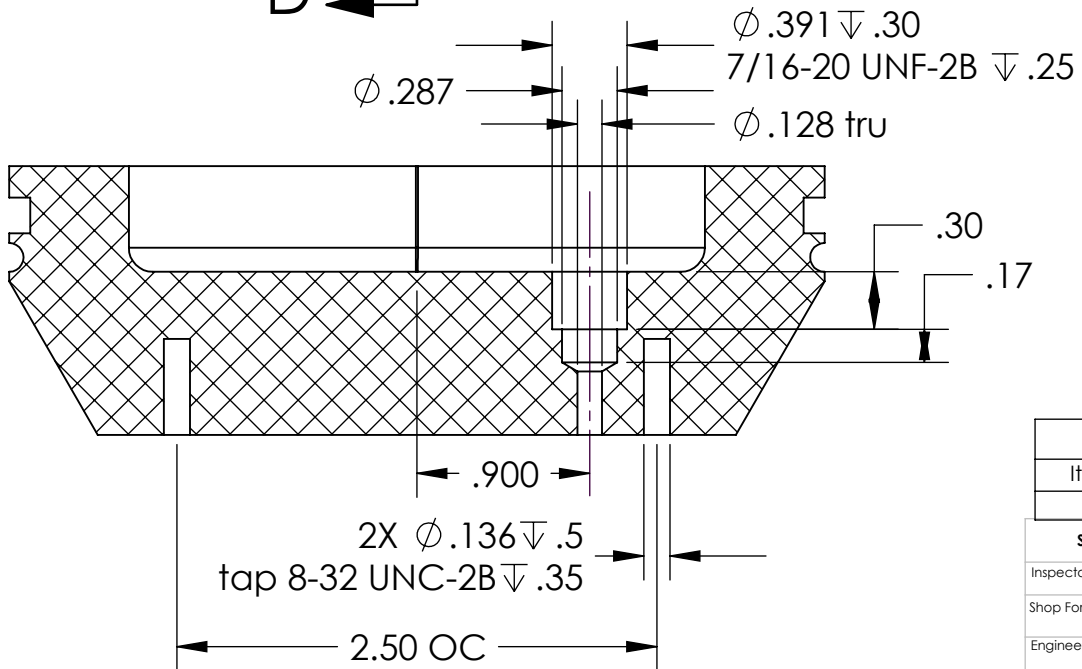
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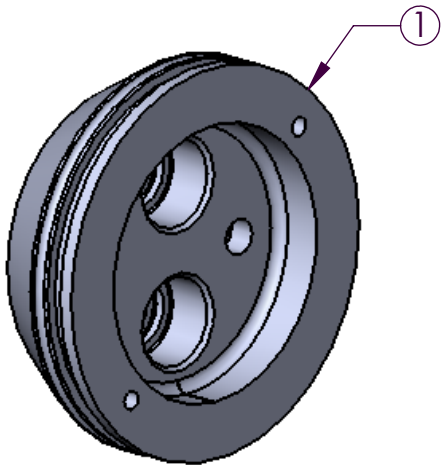
2X @ 180°
Ø .205 ∇ .325
Instal flush to surface:
Yardley Sharp-Sert Insert
PN 832S8-10 (w/ 8-32 thread)



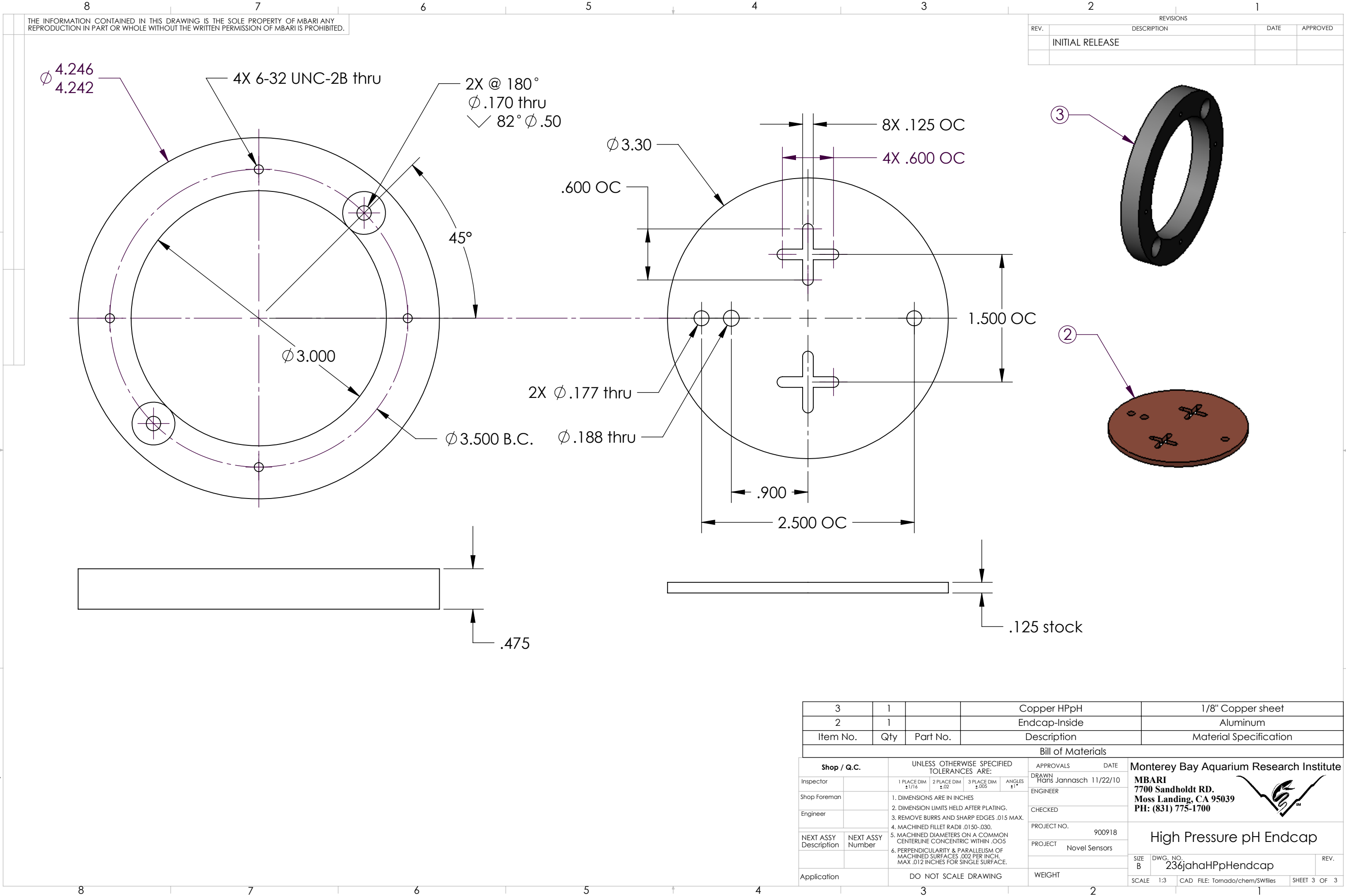
SECTION D-D
SCALE 1 : 1



SECTION C-C
SCALE 1 : 1



1		1				Endcap HPpH		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 11/22/10		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Engineer						ENGINEER			
NEXT ASSY Description		NEXT ASSY Number		CHECKED		PROJECT NO. 900918			
Application		DO NOT SCALE DRAWING				PROJECT Novel Sensors			
						WEIGHT		SIZE B DWG. NO. 236jahaHPpHendcap REV.	
						SCALE 1:3 CAD FILE: Tornado/chem/SWfiles SHEET 2 OF 3			



3	1		Copper HPpH	1/8" Copper sheet		
2	1		Endcap-Inside	Aluminum		
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 11/22/10
Shop Foreman		1. DIMENSIONS ARE IN INCHES				ENGINEER
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. 900918
		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		

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MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700				
				
High Pressure pH Endcap				
SIZE B	DWG. NO. 236jahaHPpHendcap	REV.		
SCALE 1:3	CAD FILE: Tornado/chem/SWfiles	SHEET 3 OF 3		