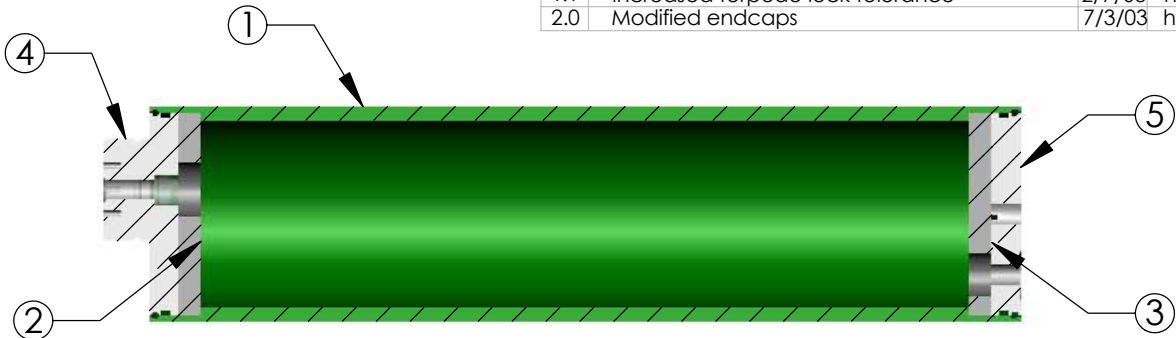
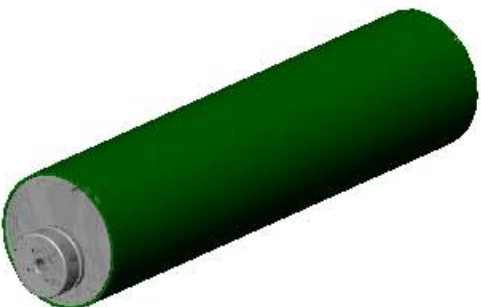
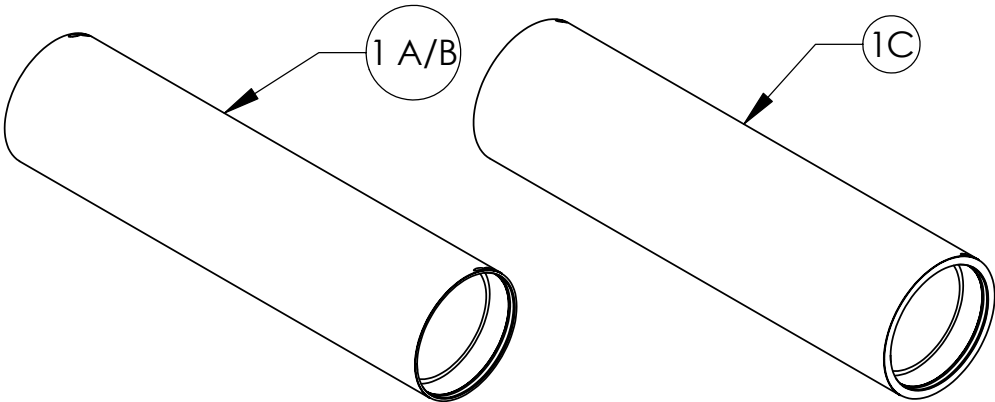
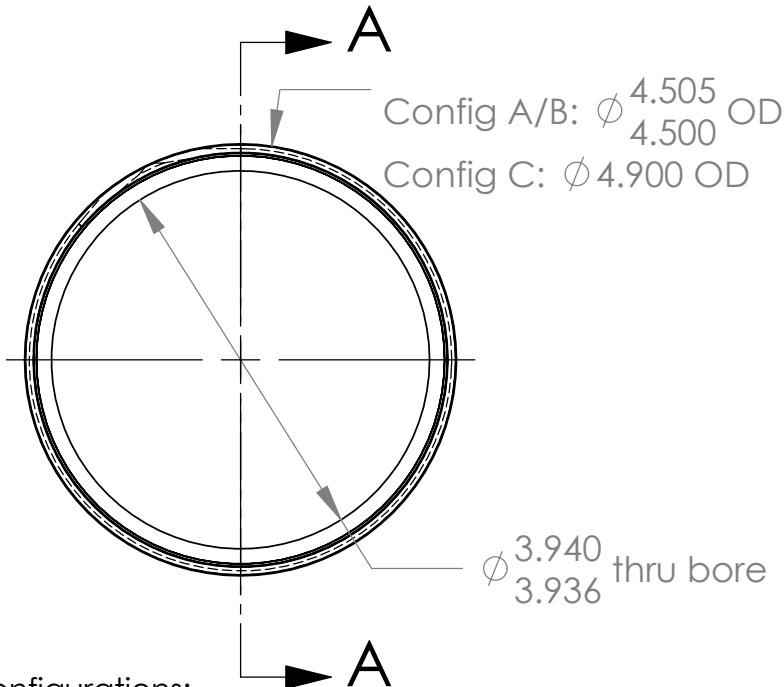
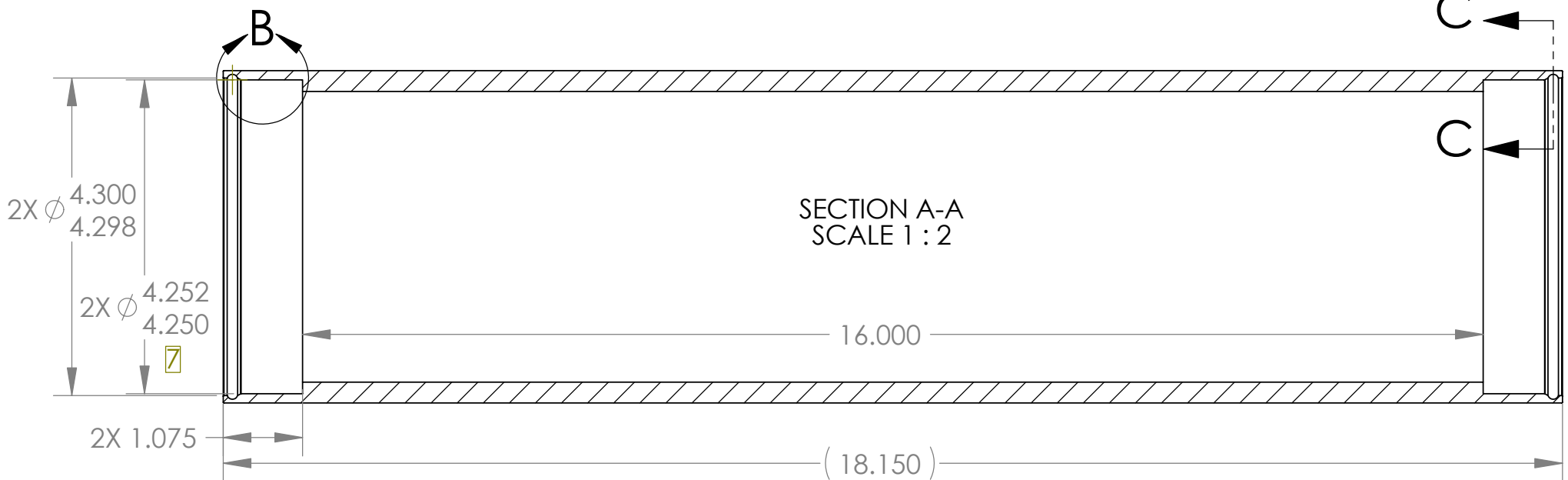


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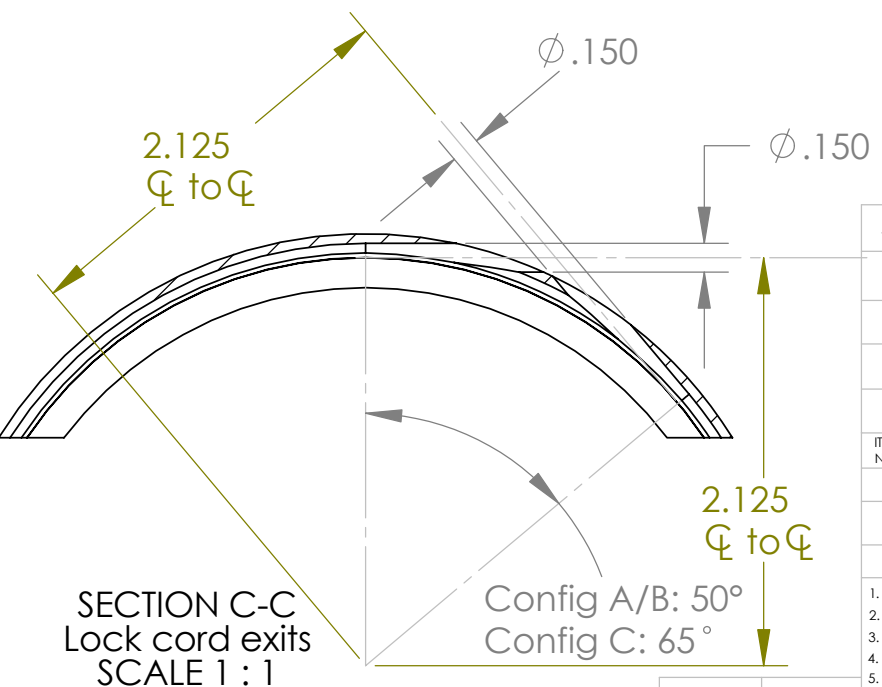
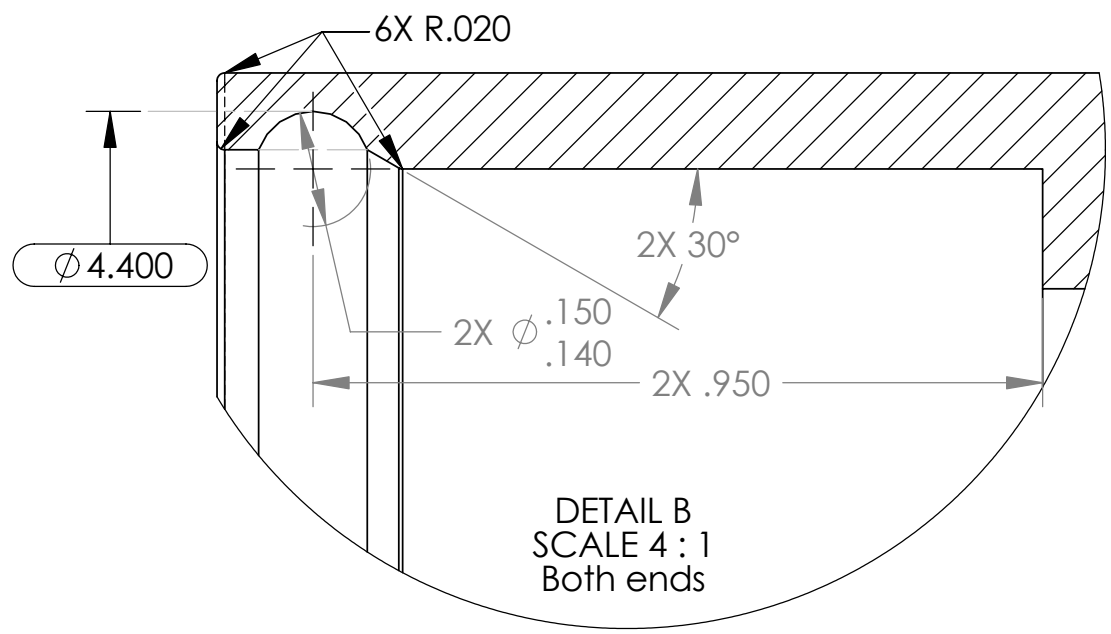
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.0	INITIAL RELEASE		hwj
1.1	Increased torpedo lock tolerance	2/7/03	hwj
2.0	Modified endcaps	7/3/03	hwj



ASSEMBLY with SECTION



Configurations:
A: 1000m AUV housing (Al hsg, Ti endcaps)
B: 350m Mooring housing (Al hsg, Al endcaps)
C: Plastic housing (PVC hsg, Al endcaps)
Additionally, specify (see page 3):
D: One connector on right endcap
E: Two connectors on right endcap



Note 7: Use -242 Orings
Note 8: Use 1/8" Polypro cord

5	1@		Connector endcap	Black Delrin
4	1@		Sensor endcap	Black Delrin
3	1@		Connector support	Config A: Ti 6AL-4V Config B/C: Al 6061-T6 hard annodized
2	1@		Sensor support	Config A: Ti 6AL-4V Config B/C: Al 6061-T6 hard annodized
1	1@		Housing	Config A/B: Al 6061-T6 hard annodized Config C: Gray PVC
ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:

1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°
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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.

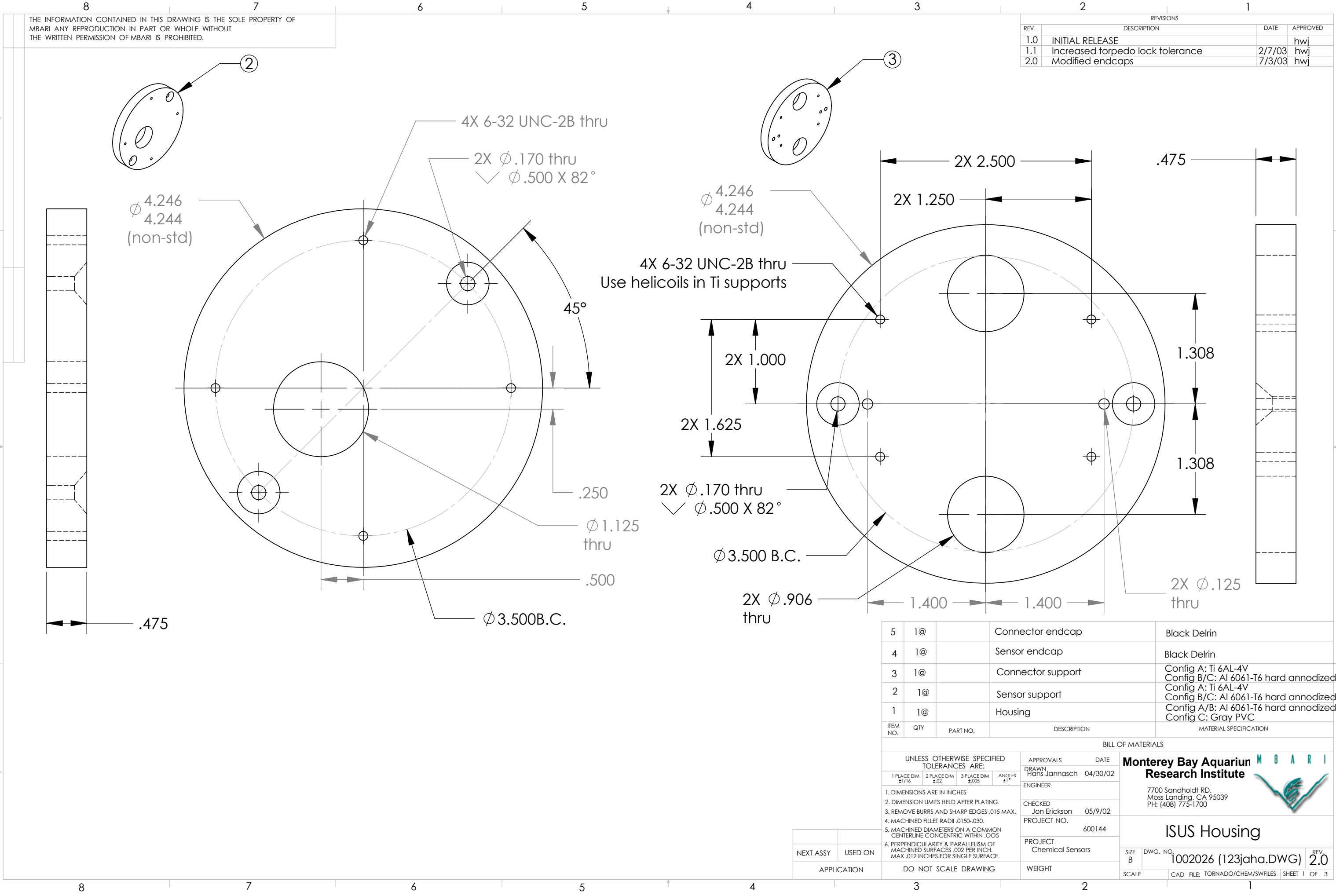
APPROVALS DATE
DRAWN Harts Jannasch 04/30/02
ENGINEER
CHECKED Jon Erickson 05/9/02
PROJECT NO. 600144
PROJECT Chemical Sensors
WEIGHT

Monterey Bay Aquarium Research Institute
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (408) 775-1700

ISUS Housing

SIZE B	DWG. NO. 1002026 (123jaha.DWG)	REV. 2.0
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CAD FILE: TORNADO/CHEM/SWFILES SHEET 1 OF 3



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.0	INITIAL RELEASE		hwj
1.1	Increased torpedo lock tolerance	2/7/03	hwj
2.0	Modified endcaps	7/3/03	hwj

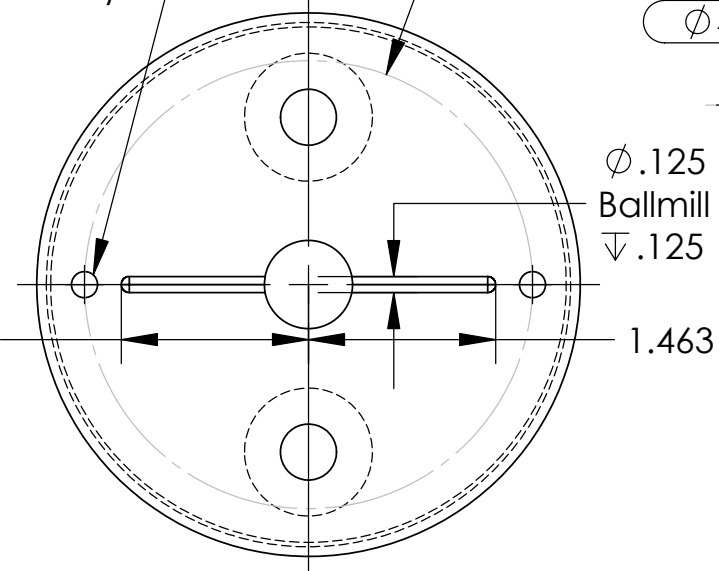
5	1@		Connector endcap	Black Delrin
4	1@		Sensor endcap	Black Delrin
3	1@		Connector support	Config A: Ti 6AL-4V Config B/C: Al 6061-T6 hard anodized
2	1@		Sensor support	Config A: Ti 6AL-4V Config B/C: Al 6061-T6 hard anodized
1	1@		Housing	Config A/B: Al 6061-T6 hard anodized Config C: Gray PVC
ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		BILL OF MATERIALS	
1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Hans Jannasch	04/30/02			Monterey Bay Aquarium Research Institute 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (408) 775-1700	
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					
				CHECKED Jon Erickson	05/9/02			 ISUS Housing	
				PROJECT NO.	600144				
				PROJECT Chemical Sensors				SIZE B	
DO NOT SCALE DRAWING				WEIGHT				DWG. NO. 1002026 (123jaha.DWG)	
								REV 2.0	
					SCALE			CAD FILE: TORNADO/CHEM/SWFILES	
								SHEET 1 OF 3	

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.0	INITIAL RELEASE		hwj
1.1	Increased torpede lock tolerance	2/7/03	hwj
2.0	Modified endcaps	7/3/03	hwj



$\square \quad \varnothing .625$
 $\nabla .375$



4X $\varnothing$ 107 ∇ .350
6-32 UNC-2B ∇ .250

($\emptyset$ 1.000 B.C.)



SECTION F-F

5	1@		Connector endcap	Black Delrin
4	1@		Sensor endcap	Black Delrin
3	1@		Connector support	Config A: Ti 6AL-4V Config B/C: Al 6061-T6 hard annodized
2	1@		Sensor support	Config A: Ti 6AL-4V Config B/C: Al 6061-T6 hard annodized
1	1@		Housing	Config A/B: Al 6061-T6 hard annodized Config C: Gray PVC
ITEM NO.	QTY	PART NO.	DESCRIPTION	MATERIAL SPECIFICATION

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:					APPROVALS		DATE		Monterey Bay Aquarium Research Institute 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (408) 775-1700 ISUS Housing		
1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Hans Jannasch	04/30/02		ENGINEER				
1. DIMENSIONS ARE IN INCHES				CHECKED Jon Erickson		05/9/02		ISUS Housing			
2. DIMENSION LIMITS HELD AFTER PLATING.				PROJECT NO.		600144					
3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT		Chemical Sensors		SIZE B DWG. NO. 1002026 (123jaha.DWG) REV 2.0			
4. MACHINED FILLET RADII .0150-.030.				PROJECT		Chemical Sensors					
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				PROJECT		Chemical Sensors		SCALE CAD FILE: TORNADO/CHEM/SWFILES SHEET 1 OF 3			
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				PROJECT		Chemical Sensors					
DO NOT SCALE DRAWING				WEIGHT							

Monterey Bay Aquarium Research Institute

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Moss Landing, CA 95039
PH: (408) 775-1700

ISUS Housing

SIZE B	DWG. NO. 1002026 (123jaha.DWG)	REV. 2.0
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SCALE	CAD FILE: TORNADO/CHEM/SWFILES	SHEET 1 OF 3
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