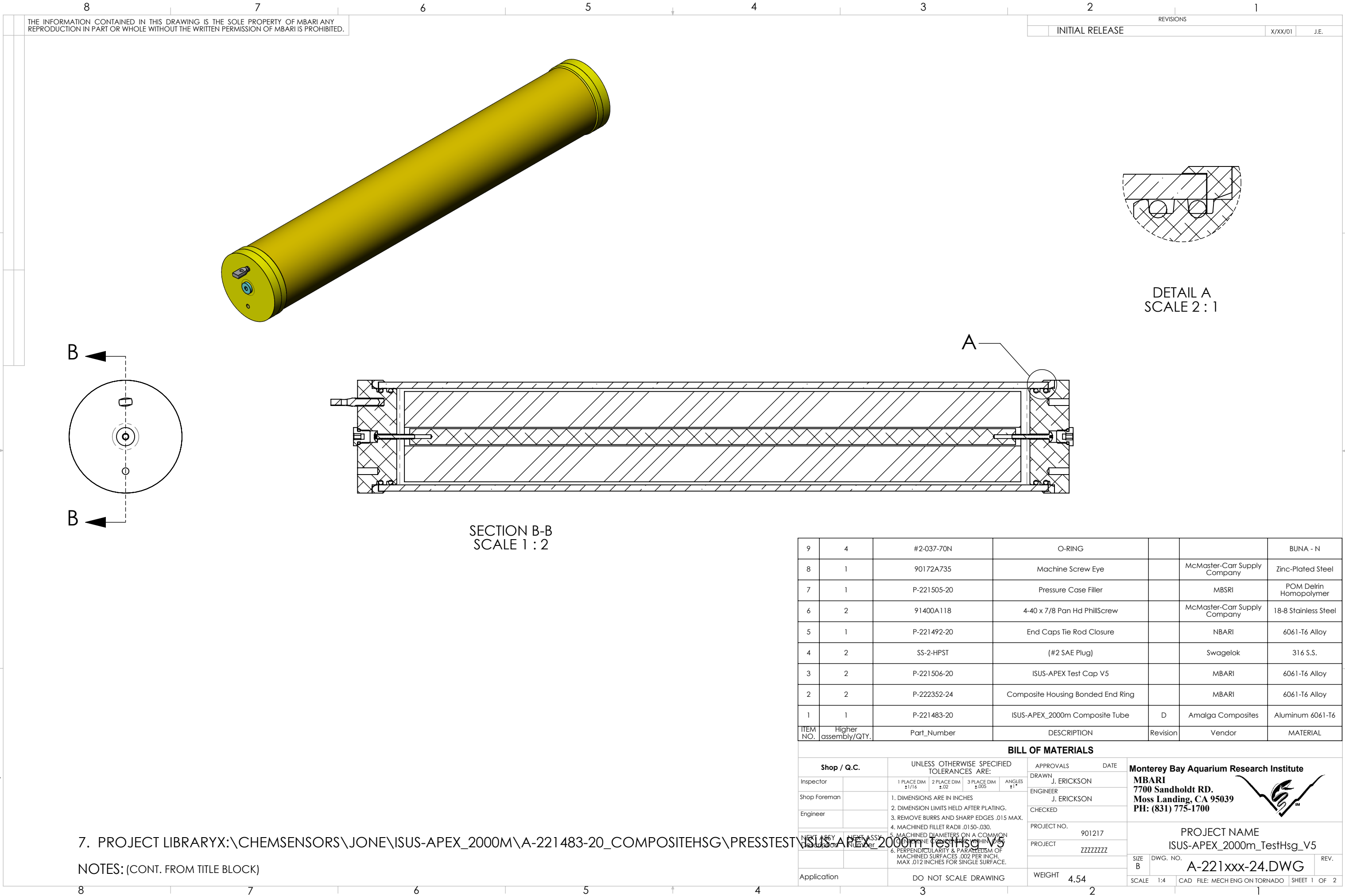
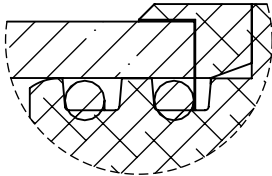


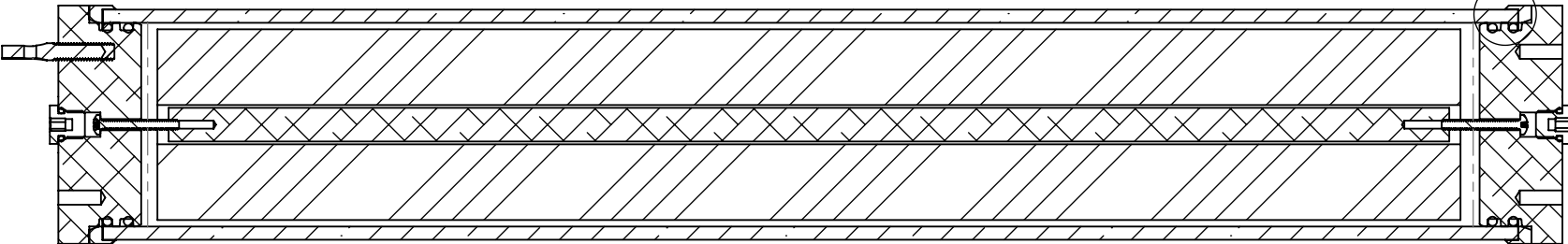


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REVISIONS		
INITIAL RELEASE	X/XX/01	J.E.



DETAIL A
SCALE 2 : 1



SECTION B-B
SCALE 1 : 2

9	4	#2-037-70N	O-RING			BUNA - N
8	1	90172A735	Machine Screw Eye		McMaster-Carr Supply Company	Zinc-Plated Steel
7	1	P-221505-20	Pressure Case Filler		MBSRI	POM Delrin Homopolymer
6	2	91400A118	4-40 x 7/8 Pan Hd PhillScrew		McMaster-Carr Supply Company	18-8 Stainless Steel
5	1	P-221492-20	End Caps Tie Rod Closure		NBARI	6061-T6 Alloy
4	2	SS-2-HPST	(#2 SAE Plug)		Swagelok	316 S.S.
3	2	P-221506-20	ISUS-APEX Test Cap V5		MBARI	6061-T6 Alloy
2	2	P-222352-24	Composite Housing Bonded End Ring		MBARI	6061-T6 Alloy
1	1	P-221483-20	ISUS-APEX_2000m Composite Tube	D	Amalga Composites	Aluminum 6061-T6
ITEM NO.	Higher assembly/QTY.	Part_Number	DESCRIPTION	Revision	Vendor	MATERIAL

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	J. ERICKSON	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 PLANE WITHIN .005 INCHES. 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.				ENGINEER	J. ERICKSON			
Engineer						CHECKED				
NEXT ASSY		NEXT ASSY				PROJECT NO.	901217	PROJECT NAME ISUS-APEX_2000m_TestHsg_V5 A-221xxx-24.DWG		
ISUS-APEX_2000m_TestHsg_V5		ISUS-APEX_2000m_TestHsg_V5				PROJECT	ZZZZZZZZ			
						WEIGHT	4.54			
Application		DO NOT SCALE DRAWING				SCALE		1:4	CAD FILE: MECH ENG ON TORNADO	SHEET 1 OF 2

7. PROJECT LIBRARYX:\CHEMSENSORS\JONE\ISUS-APEX_2000M\A-221483-20_COMPOSITEHSG\PRESSTEST\ISUS-APEX_2000m_TestHsg_V5

NOTES: (CONT. FROM TITLE BLOCK)

8

7

6

5

4

3

2

1

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.

Critical Hydrostatic Pressure = 5,851 psi.

Expected Hydrostatic Pressure Failure = 5,120 psi.

TEST:

1. Initial Test Pressure - 3,000. psi. Hold for 1 min.

2. Delta Test Pressure - 100 psi. Hold for 1 min. each.

NOTES: (CONT. FROM TITLE BLOCK)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	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		DRAWN J. ERICKSON	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		ENGINEER J. ERICKSON	
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		CHECKED	
		4. MACHINED FILLET RADII .0150-.030.		PROJECT NO. XXX	
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		PROJECT ZZZZZZZZ	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.			
Application		DO NOT SCALE DRAWING		WEIGHT lb.	
				SIZE B DWG. NO. .DWG REV.	
				SCALE 1:4 CAD FILE: MECH ENG ON TORNADO SHEET 2 OF 2	