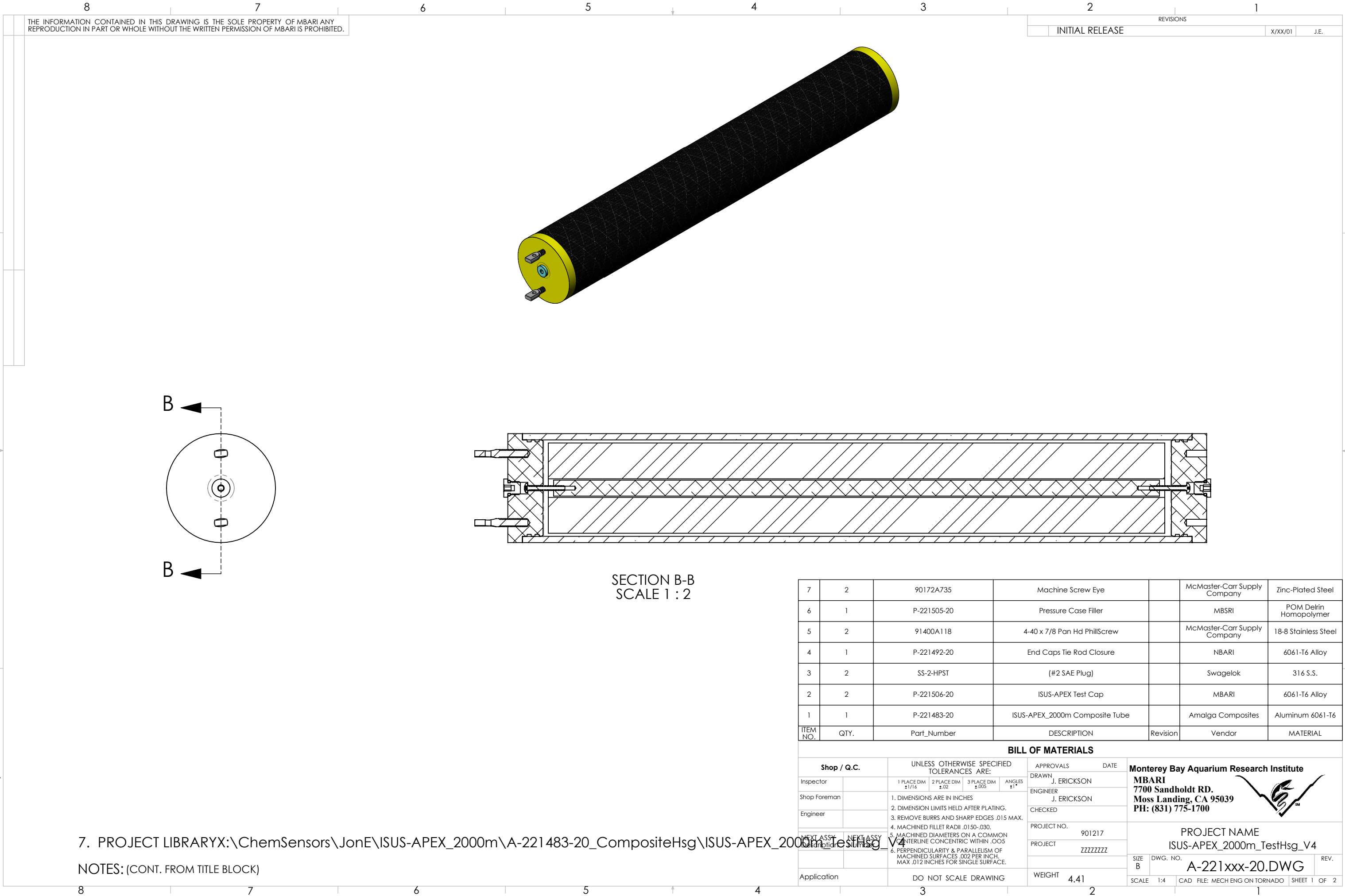




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REVISIONS		
INITIAL RELEASE	X/XX/01	J.E.

SECTION B-B
SCALE 1 : 2

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

BILL OF MATERIALS

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS	DATE	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700  PROJECT NAME ISUS-APEX_2000m_TestHsg_V4		
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON			
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	J. ERICKSON			
Engineer						CHECKED				
NEXT ASSY		NEXT ASSY				PROJECT NO.	901217	SIZE B		
Application		DO NOT SCALE DRAWING				PROJECT	ZZZZZZZZ			
						WEIGHT	4.41	DWG. NO. A-221xxx-20.DWG		
						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\ISUS-APEX_2000m_TestHsg_V4

NOTES: (CONT. FROM TITLE BLOCK)

8

7

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1

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

D

C

B

A

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.

ITEM NO.

QTY.

PART NO.

DESCRIPTION

VENDOR

MATERIAL SPECIFICATION

Shop / Q.C.

Inspector

Shop Foreman

Engineer

NEXT ASSY Description

NEXT ASSY Number

Application

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:

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.

DO NOT SCALE DRAWING

APPROVALS

DRAWN

ENGINEER

CHECKED

PROJECT NO.

PROJECT

WEIGHT

DATE

XXX

ZZZZZZZ

lb.

Monterey Bay Aquarium Research Institute

MBARI

7700 Sandholdt RD.

Moss Landing, CA 95039

PH: (831) 775-1700



PROJECT NAME

SIZE B

DWG. NO.

REV.

.DWG

SCALE

1:4

CAD FILE: MECH ENG ON TORNADO

SHEET 2 OF 2

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A