

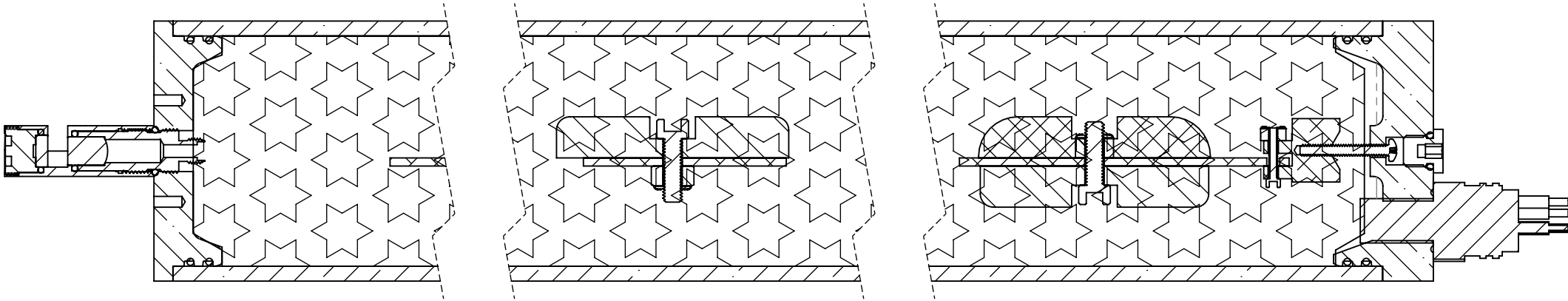
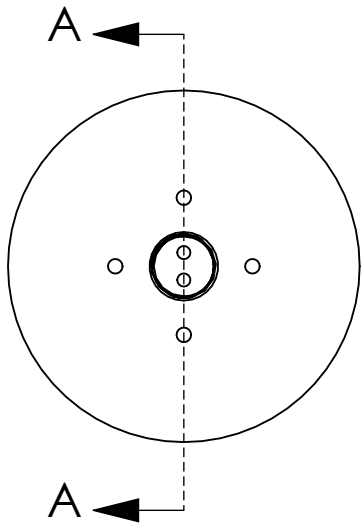
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REVISIONS

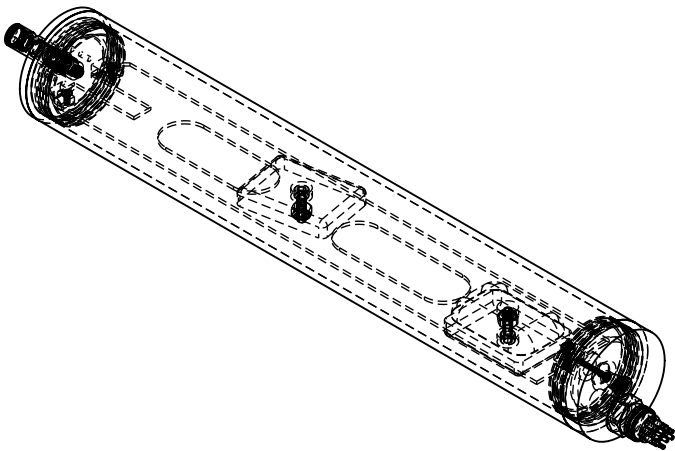
INITIAL RELEASE

X/XX/01

J.E.



SECTION A-A
SCALE 1 : 1.4



Water Weight = 0.0283888

8. SWD = 2000m

7. PROJECT LIBRARY:\ChemSensors\JonE\ISUS-APEX_2000m\A-221483-20_CompositeHsg

NOTES: (CONT. FROM TITLE BLOCK)

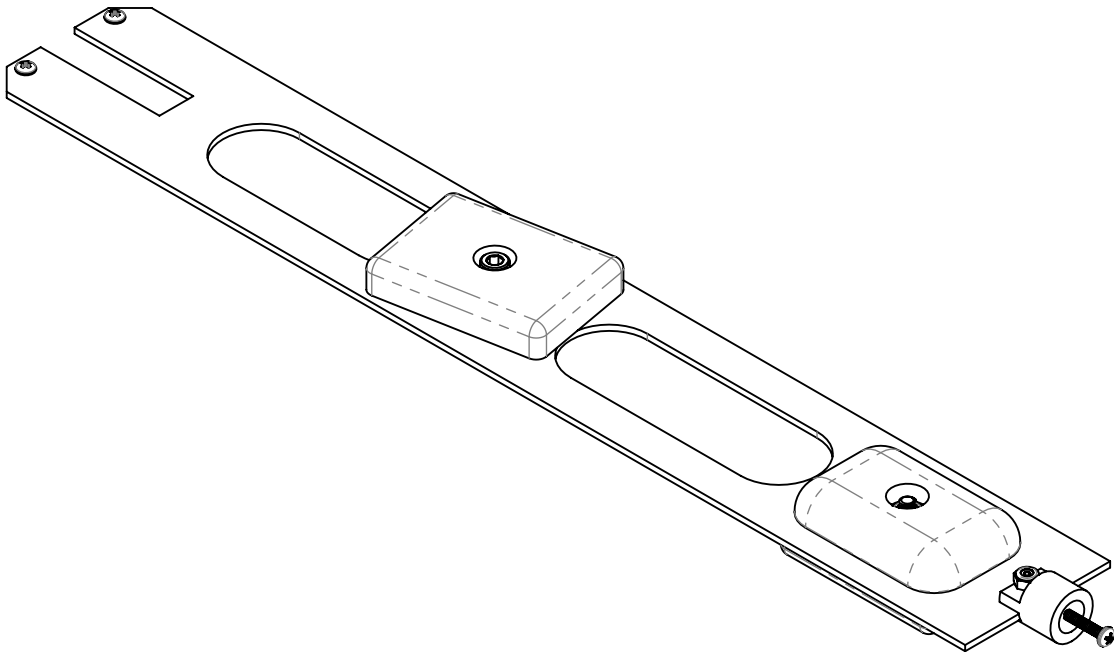
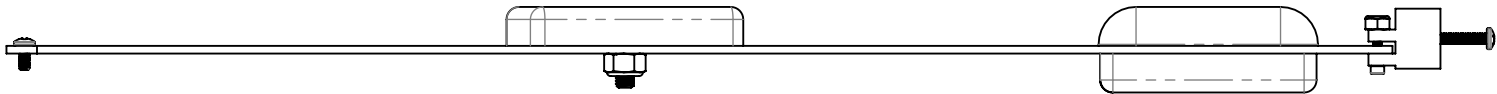
2	1					
1	1	A100221xxx-20	ISUS-APEX_2000mHsg_V4		MBARI	
ITEM NO.	QTY.	Part_Number	DESCRIPTION	Revision	Vendor	MATERIAL

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 		
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 Description	NEXT ASSY Number					PROJECT NO.	901217			ISUS-APEX_2000m ISUS-APEX_2000mHsg_Buoyancy Test A100221xxx-22.DWG		
						PROJECT	CHEM S.					
Application		DO NOT SCALE DRAWING				WEIGHT	3.40			SIZE B	DWG. NO.	REV.
								SCALE	1:4	CAD	FILE: MECH ENG ON TORNADO	SHEET 1 OF 2

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



10	1		Ballast Wt. 194g.			Pure Lead
9	1	91400A118	4-40 x 7/8 Pan Hd PhillScrew		McMaster-Carr Supply Company	18-8 Stainless Steel
8	2	91735A102	#4-40 x 1/4 Pan Hd Phil		McMaster-Carr	AlSI 316
7	1	91831A002	#2-56 18-8 S.S. Nylon-Insert Locknut		McMaster-Carr Supply Company	18-8 Stainless Steel
6	1	92185A083	2-56 x 1/2_316 S.S. Socket Head Screw		McMaster-Carr Supply Company	316 Stainless Steel
5	2	90715A115	#10-32_316 Stainless Steel Nylon-Insert Locknut		McMaster-Carr Supply Company	316 Stainless Steel
4	2	92185A990	# 10-32 x 5/8 Sckt Hd Cap		McMaster-Carr	AlSI 316
3	2		Ballast Wt. 194g.			AlSI 316
2	1	P-221493-21	Test Lug		MBARI	6061-T6 Alloy
1	1	P-100221xxx-20	Test Main Circuit Board ALUM_ALT		MBARI	6061-T6 Alloy
ITEM NO.	QTY.	Part_Number	DESCRIPTION	Revision	Vendor	MATERIAL

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°	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 RADI .0150-.030.				DRAWN J. ERICKSON ENGINEER J. ERICKSON CHECKED	
Engineer		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.				PROJECT NO. XXX PROJECT ZZZZZZZZ	
NEXT ASSY Description	NEXT ASSY Number					PROJECT NAME	
Application		DO NOT SCALE DRAWING			WEIGHT lb.		SIZE B DWG. NO. .DWG SCALE 1:2 CAD FILE: MECH ENG ON TORNADO SHEET 2 OF 2

NOTES: (CONT. FROM TITLE BLOCK)