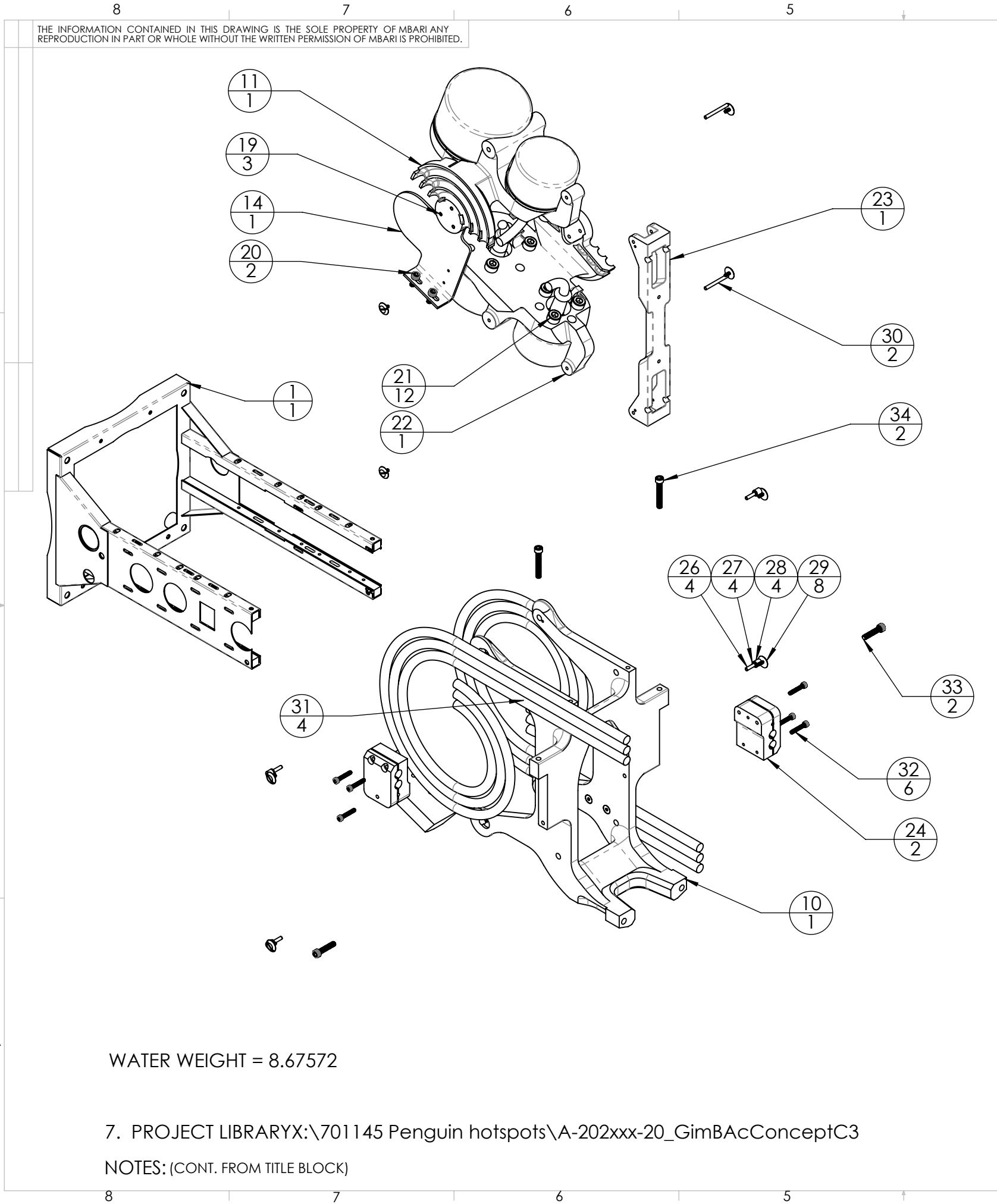




35	1	P-202102-21	BioAcoustic Weight	C	2.372	2.14847	MBARI	Pure Lead
34	2	92185A227	#10-32 x 1-1/4 Soc Hd Cap		0.016	0.0101279	McMaster-Carr	AISI 316
33	2	90585A230	8-32 x 3/4 Flt Hd Soc Screw	INITIAL RELEASE	0.000791085		McMaster-Carr	AISI 316 J.E.
32	6	92185A151	6-32 x 3/4 .316 S.S. Sckt Hd Scrw		0.0037	0.00319961	McMaster-Carr Supply Company	AISI 316
31	4	90585A230	8-32 x 3/4 Flt Hd Soc Screw		0.005	0.00428295	McMaster-Carr	AISI 316
30	2	97395A453	1/8 x 1-1/4 Long dowel Pin		0.0044	0.00385465	McMaster-Carr	AISI 316
29	8	90015A245	#4-40 1/4 L. Low Profile Truss Hd Slotted		0.004	0.00327519	McMaster-Carr	AISI 304
28	4	6362K101	1/8 Dry Running Slv Bearing		0.0007	0.000320666	McMasterCarr	Rulon J
27	4	9560K320	PTFE Split Lock Ring		0.00012	6.68639e-05	McMaster-Carr	PTFE (general)
26	4	97395A451	1/8 x 3/4 Long Dowel Pin		0.0026	0.00229264	McMaster-Carr	AISI 316
25	2		Cable Loop (NOT SHOWN)					
24	2	P-202100-19	BioAcoustic Cable Holder		0.120	0.033061	MBARI	Nylon 6/10
23	1	P-202097-19	BioAcoustic Hinge Bar		0.168	0.046414	MBARI	Nylon 6/10
22	1	P-202084-19	Transducer Gimbal (BOTTOM)		0.828	0.228193	MBARI	Nylon 6/10
21	12	92290A412	M8-1.25 x 22mm 316 S.S. Sckt Hd Scrw		0.032	0.0277132	McMaster-Carr Supply Company	316 Stainless Steel
20	2	92185A989	#10-32 x 1/2 .316 S.S. Sckt Hd Scrw		0.0066	0.00576938	McMaster-Carr Supply Company	316 Stainless Steel
19	3	90585A228	#8-32 x 1/2 Soc Flat Hd Screw		0.004	0.00327519	McMaster-Carr	AISI 316
18	1	xxxxxx	Backing Plate A1		0.167	0.146704	MBARI	AISI Type 316L stainless steel
17	1		Backing Plate A2		0.085	0.073352	MBARI	AISI Type 316L stainless steel
16	1	xxxxxx	Backing Plate A1		0.164	0.141645	MBARI	AISI Type 316L stainless steel
15	1		Backing Plate A2		0.081	0.070823	MBARI	AISI Type 316L stainless steel
14	1	P-202101-19	BioAcoustic Weight Arm		0.394	0.343237	MBARI	AISI Type 316L stainless steel
13	2		200 kHz Transducer		1.5491			
12	2		333 kHz Transducer		1.3254			
11	1	P-202084-19	Transducer Gimbal		0.828	0.228067	MBARI	Nylon 6/10
10	1		BioAcoustic Gimbal Frame Bracket		2.470	0.680802	MBARI	
9	2	P-221641-21	Ti Nut Plate		0.050	0.038173	MBARI	6AL-4V Titanium
8	2		G-10 Threaded Bar - PORT		0.277	0.164108	MBARI	S-Glass Fiber
7	2	xxxxxxx	G-10 Bar - STBD		0.277	0.164108	MBARI	S-Glass Fiber
6	4	P-202xxx-20	Sensor Frame Base Isolator_V2		0.008	0.001941	MBARI	POM Delrin (Black)
5	1	P-202xxx-19	Support Wing PORT Side		0.074	0.059822	MBARI	Titanium Gr2
4	1	P-202xxx-19	Support Wing		0.073	0.058493	MBARI	Titanium Gr2
3	1	P-202xxx-19	ARM Support _ STBD		0.469	0.362324	MBARI	Commercially Pure CP-Ti UNS R50400 (SS)
2	1	P-202xxx-19	Arm Support - PORT		0.424	0.327691	MBARI	Commercially Pure CP-Ti UNS R50400 (SS)
1	1	P-202xxx-20	Sensor Framne Base Rev. C		0.214	0.17149	mbari	Titanium Gr2
ITEM NO.	QTY.	Part_Number	DESCRIPTION	Revision	Weight	WaterWeight	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 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.	701145	PROJECT NAME GimBAcConceptC3	
						PROJECT	ZZZZZZZZ		
Application		DO NOT SCALE DRAWING				WEIGHT	14.910	SIZE B	DWG. NO. A-202xxx-20.DWG
						SCALE	1:12	CAD FILE: MECH ENG ON TORNADO	REV. SHEET 1 OF 1