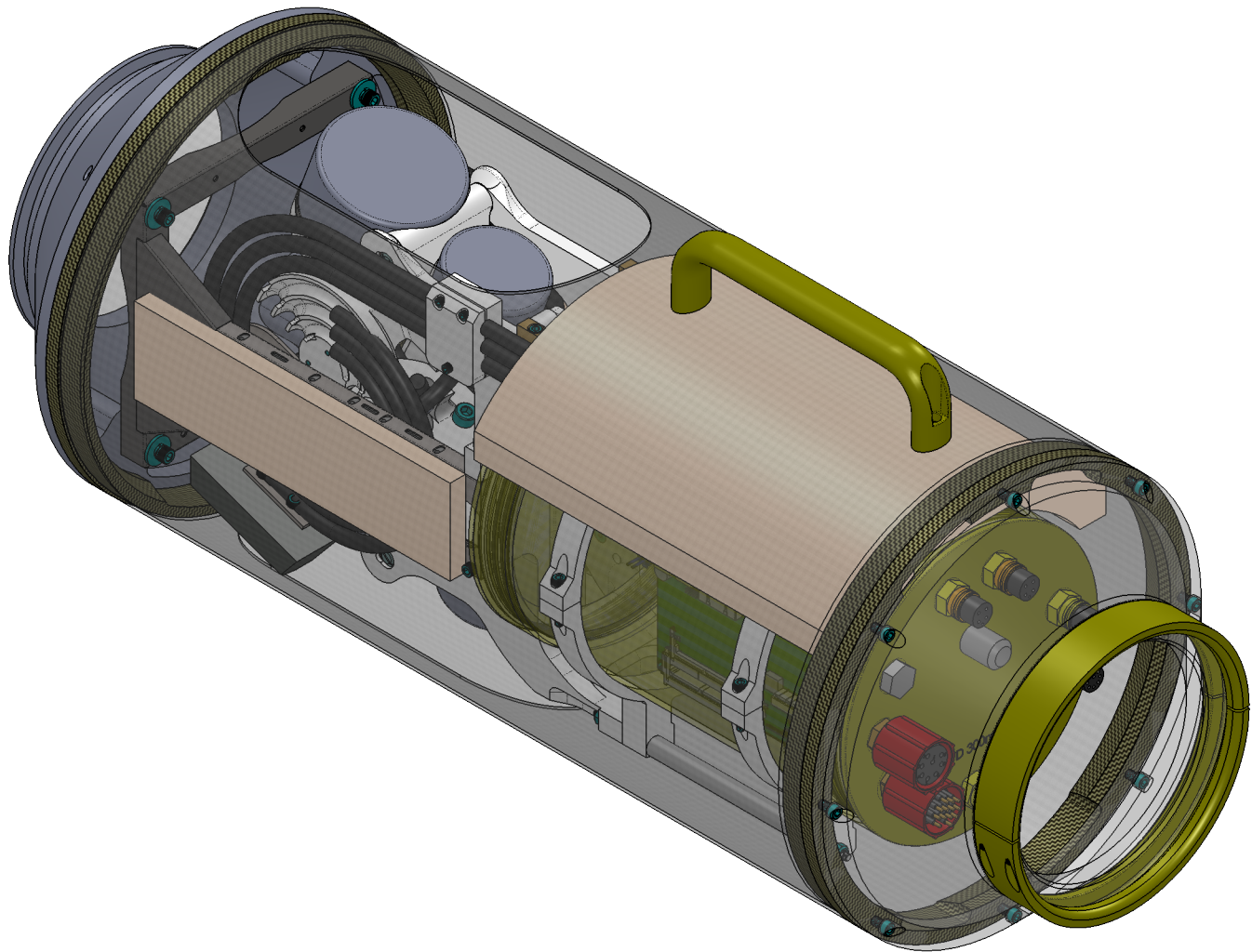


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.

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



$$\text{Water Weight} = 2.3863 - 3.356 - (2 \cdot .391) = -1.752$$

14	2	P-221715-22	EK-80 Gimbal Floatation		0.102	-0.390739	Ideal Instruments	Gurit Core Cell S1200 (13.1 #/ft^3)
13	1	P-221714-22	EK-80 Gimbal Floatation		0.875	-3.35599	Ideal Instruments	Guit CoreCell S1200 13.1 lb/cu. ft.
12	1	P-221405-20	Shell Cone - FWD_As-Built		1.775	-0.051674	MBARI	PA12
11	1	A-201408-20	EK80 Payload Case Top Level Assembly		12.505	-9.56384	MBARI	Material <not specified>
10	1	A-221701-22	V-Band Assembly		0.673	0.428065		Material <not specified>
9	16	92185A991	#10-32 x 3/4 Sckt Hd Cap		0.008	0.0073062	McMaster-Carr	AISI 316
8	1	A-221xxx-22	Case Frame Assembly		1.199	0.432077	MBARI	
7	4	92185A506	1/4-20x1-3/8_316 S.S. Sckt Hd Scrw		0.0226	0.0197267	McMaster-Carr Supply Company	AISI 316
6	4	94241A270	1/4 316 S.S. Sckt Hd Split Lock Washer		0.0011	0.000982558	McMaster-Carr Supply Company	AISI 316
5	4	93852A131	1/4_USS Washer		0.008	0.0073062	McMaster-Carr Supply Company	AISI 316
4	1	5190A330	Aluminum Handle		0.517	0.322728	McMaster-Carr Supply Company	6061-T6 Alloy
3	1	A-100221403-20	PVC Shell Assembly		5.166	1.97661	MBARI	
2	1	P-221404-20	Shell Cone - AFT_As-Built		2.157	-0.062788	MBARI	PA12
1	1	A-202xxx-20	GimBACConceptC3		14.910	8.67572	MBARI	
ITEM NO.		Part_Number	DESCRIPTION	Revision	Weight	WaterWeight	Vendor	MATERIAL

BILL OF MATERIALS

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute					
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON			 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.	701145.99								
		PROJECT	Penguin Hotspots							EK-80 - REMUS Top Level Assembly _ V1					
Application		DO NOT SCALE DRAWING				WEIGHT	40.244 lb.			SIZE B	DWG. NO.	A-10022xxx-20.DWG			REV.
						SCALE	1:8	CAD FILE: MECH ENG ON TORNADO	SHEET 1	OF 2					

7. PROJECT LIBRARY:\701145 Penguin hotspots

NOTES: (CONT. FROM TITLE BLOCK)

