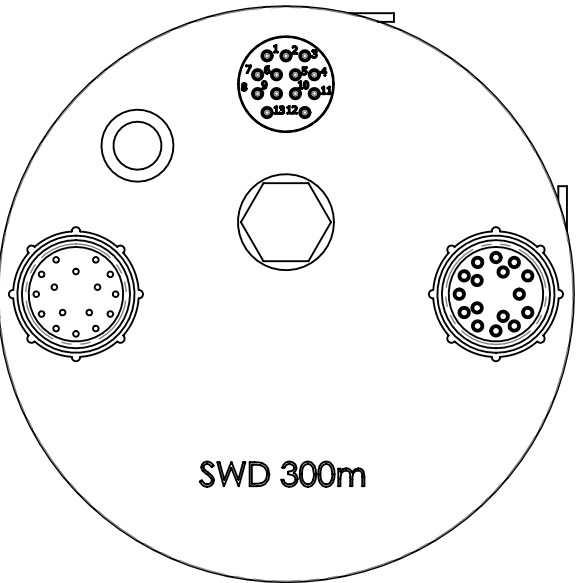
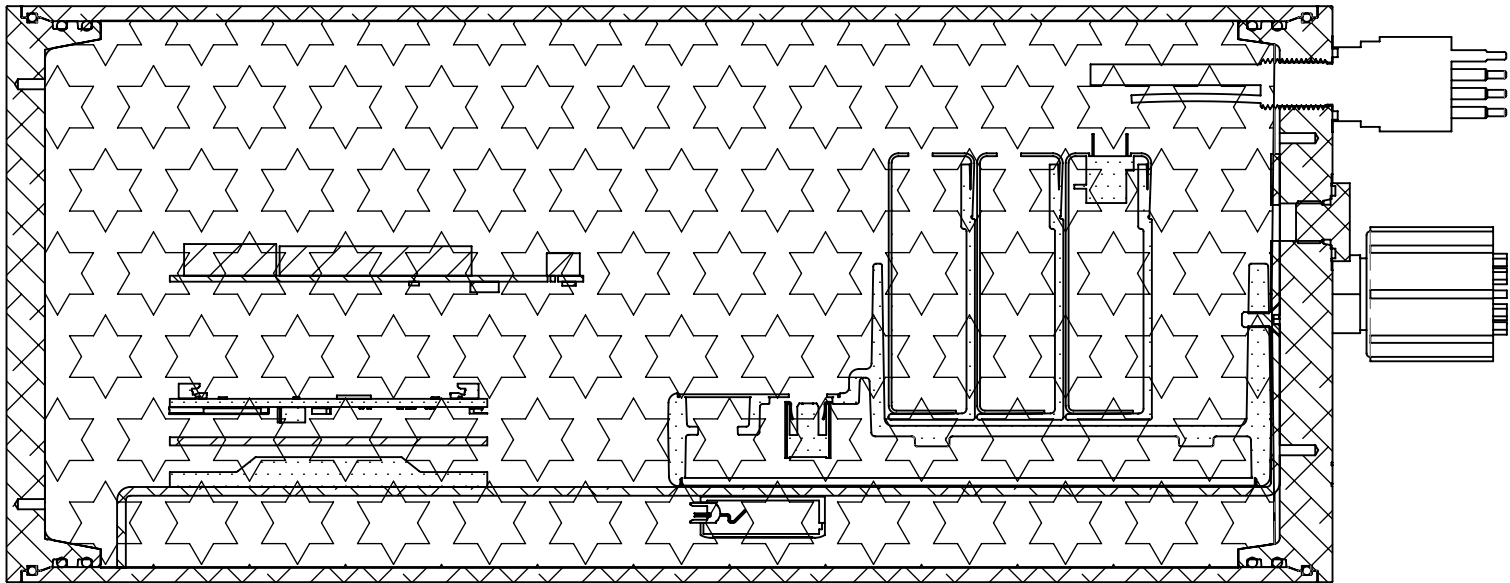
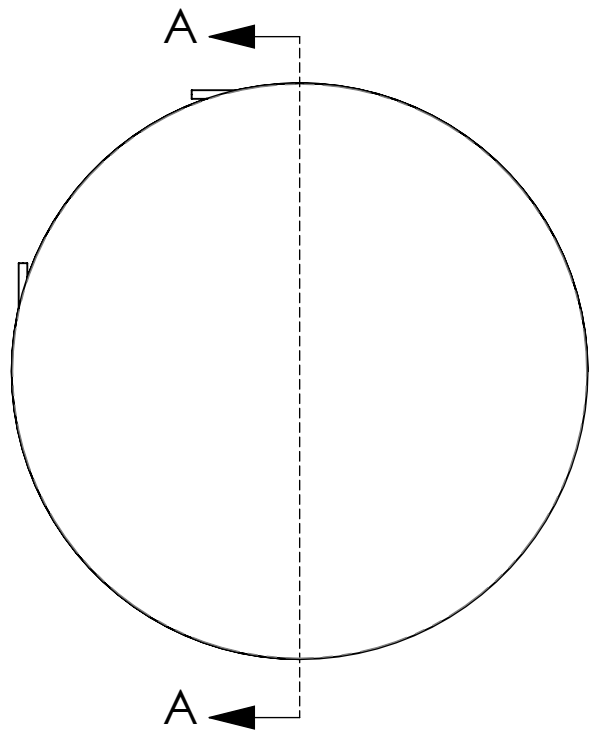
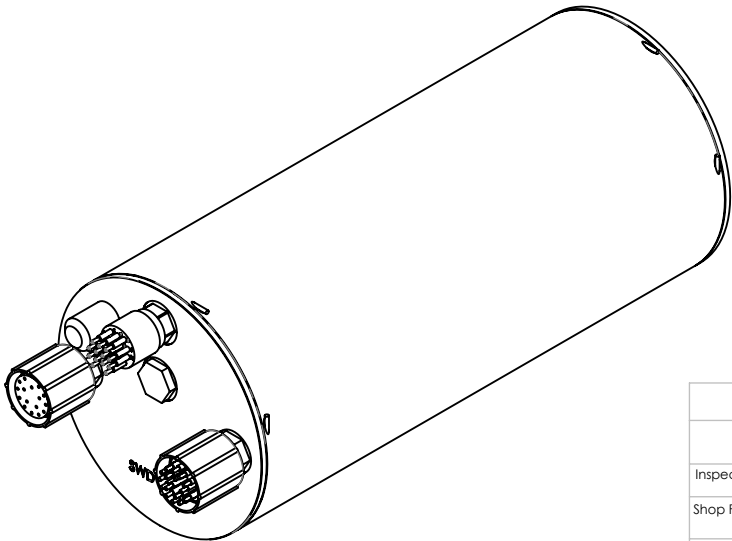


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REVISIONS		
INITIAL RELEASE	X/XX/01	J.E.



SECTION A-A
SCALE 1 : 2



Water Weight = -4.87739

7. PROJECT LIBRARY:\901706_FaultPrognostication\EngineeringHardwareDesign\Project.ME.Dwgs

NOTES: (CONT. FROM TITLE BLOCK)

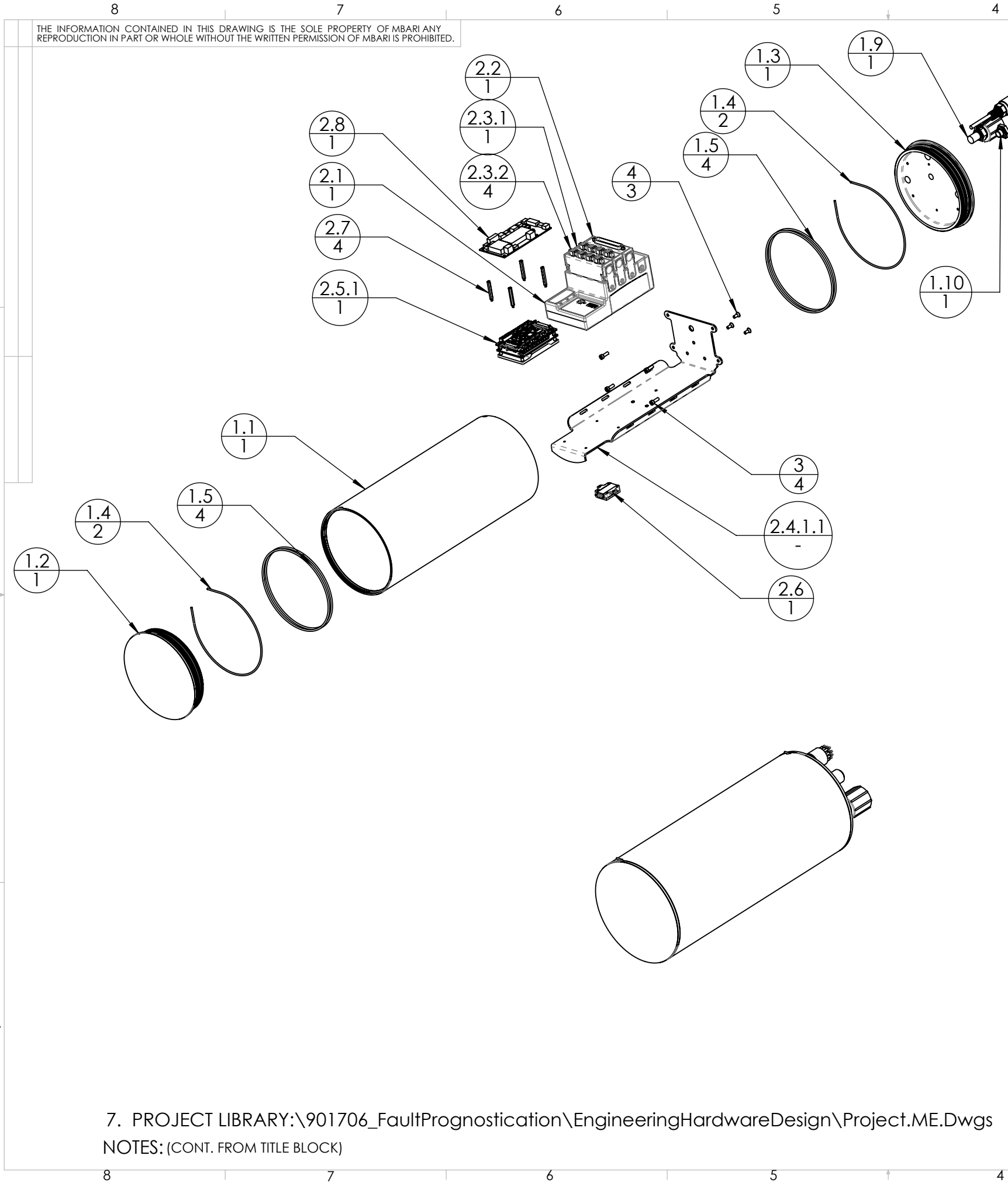
BILL OF MATERIALS									
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON	xx/xx/xx	
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS 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	xx/xx/xx	
Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	901706		
						PROJECT FAULT PROGNOSTICATION			
Application		DO NOT SCALE DRAWING				WEIGHT	9.831		
		SIZE B		DWG. NO.		SCALE		REV.	
		1:16		A-202xxx-18.DWG		1:16		3	
		CAD FILE: MECH ENG ON TORNADO		SHEET 1		OF 3			

Monterey Bay Aquarium Research Institute
MBARI
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700



TETHYS - LRAUV PAYLOAD
cDAQ Top Level Assembly

A-202xxx-18.DWG



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

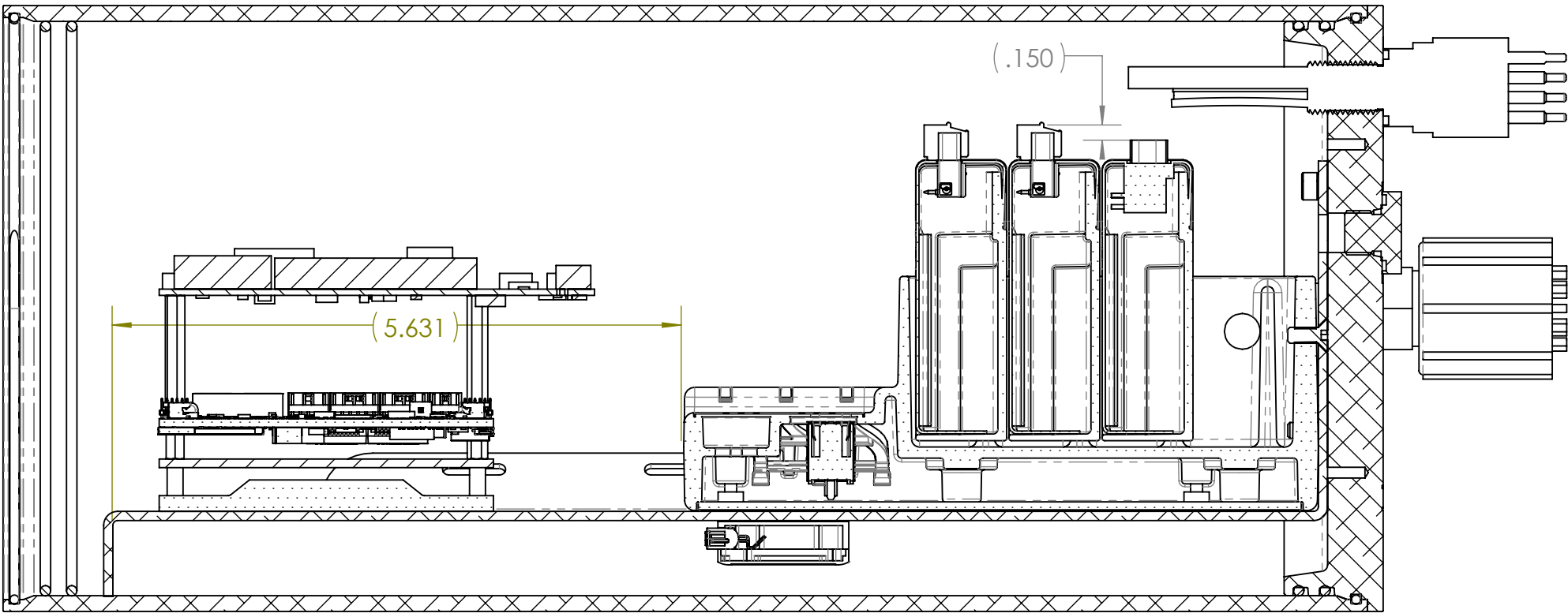
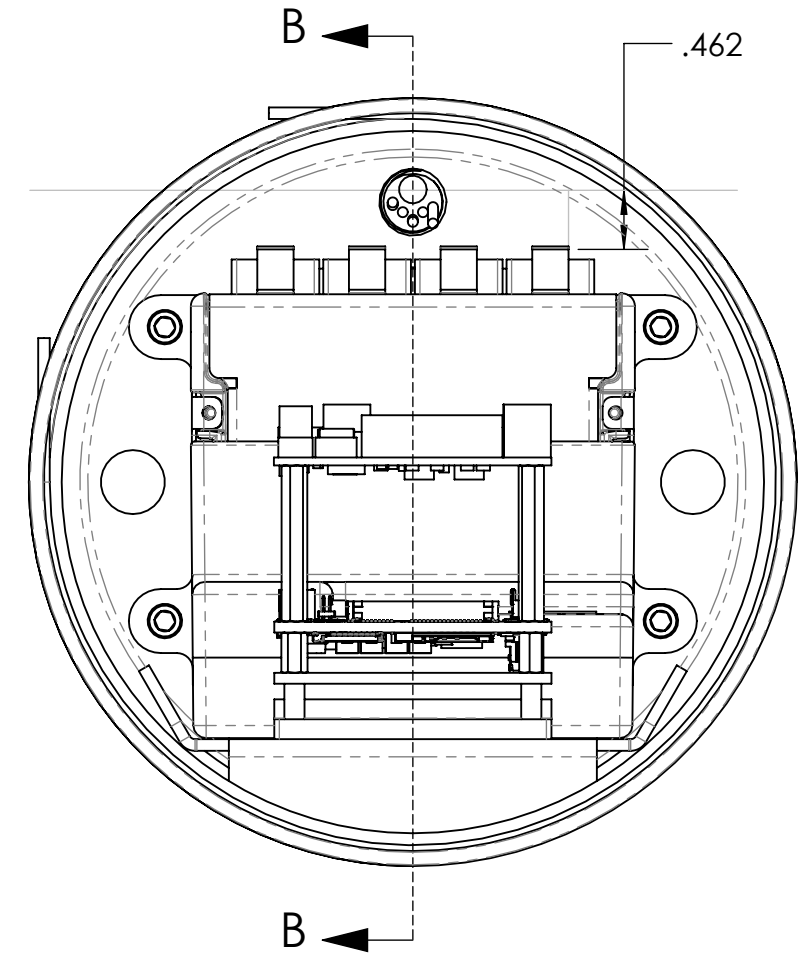
4	3	93395A254	M4x0.7-10mm Flt Hd Sckt Screw		McMaster-Carr	AISI 316
3	4	92185A194	#8-32 x 1/2 Soc Hd Cap		McMaster-Carr	AISI 316
2.8	1	100918	IO Board_100918		MBARI	
2.7	4	93655A361	18-8 Stainless Steel, 4.500 mm Hex, 31 mm Long, M2.5 x 0.45 mm Thread		McMaster-Carr	AISI 304
2.6	1	3DM-GX5-25	LORD Microstrain		Lord Microstrain	
2.5	1		CCG020 - COM Express Type 10 Mini Carrier Board		Conga Com Express	
2.4.2	2	94674A490	#4-40 Flush Nut		McMaster-Carr	
2.4.1	1	P-202018-18	N.I. cDAQ Mount Bracket_V2		MBARI	5052-(H34) Alloy
2.4	1	A-202018-18	Chassis Assembly		MBARI	
2.3.2	4	??????	Screw Pin connectors			
2.3.1	1	CU_Mod_Crio_4x_2_Pos Mini_cmbcn	cDAQ Module		N.I.	
2.3	2	??????	cu_mod crio_4x2_pos_Mini_cmbcn		N.I.	
2.2	1	CU_NL_9361	cDAQ Module			
2.1	1	9174	cDAQ Base		N.I.	
2	1		cDAQ Interior Assembly			
1.11	1	DBH-13-M	SubConn Ethernet BulkHead		Teledyne SubConn	
1.10	1	1001853	SAE #4 Face Seal Vent Plug		MBARI	Titanium 6AL-4V
1.9	1	MCBH-16M	Subconn Micro-16M		SubConn	
1.8	1	MCBH16F	Subconn Micro-16		Subconn	
1.6.2	1	MMc# 93025A961	1/4-20 Brass Stud x 1.00		McMaster-Carr	Brass
1.6.1	1	P-201030-11	Zinc Anode from Bar Stock	A	MBARI	Zinc - 99.6%
1.6	1	A-201xxx-13	Zinc Anode - O-Ring Assembly		MBARI	
1.5	4	#2-161-70-N	O-RING			BUNA - N
1.4	2	????????	.090 Dia. Poly Propylene Rod		Professional Plastics	
1.3	1	P-201821-18	Fault Cap V0		MBARI	6061-T6 Alloy
1.2	1	P-202026-18	Fault Load Cap (Blank)		MBARI	6061-T6 Alloy
1.1	1	P-202023-18	Fault Load Case Tube _V0		MBARI	6061-T6 Alloy
1	1	A-202019-18	cDAC Case V1		MBARI	
ITEM NO.	Explode/QT Y.	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  TETHYS - LRAUV PAYLOAD cDAQ Top Level Assembly			
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN J. ERICKSON	xx/xx/xx				
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	xx/xx/xx				
Engineer						CHECKED					
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO. 901706		A-202xxx-18.DWG			
						PROJECT FAULT PROGNOSTICATION					
Application		DO NOT SCALE DRAWING				WEIGHT 9.819 lb.		SIZE B	DWG. NO.	REV.	
								SCALE 1:4	CAD FILE: MECH ENG ON TORNADO	SHEET 2 OF 3	

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



SECTION B-B
SCALE 1 : 1.5

7. PROJECT LIBRARY:\901706_FaultPrognostication\EngineeringHardwareDesign\Project.ME.Dwgs

NOTES: (CONT. FROM TITLE BLOCK)

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 TETHYS - LRAUV PAYLOAD cDAQ Top Level Assembly	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN J. ERICKSON	xx/xx/xx		
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	xx/xx/xx		
Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	901706	SIZE B DWG. NO. A-202xxx-18.DWG	
						PROJECT FAULT PROGNOSTICATION			
Application		DO NOT SCALE DRAWING				WEIGHT	9.831 lb.	SCALE 1:4	CAD FILE: MECH ENG ON TORNADO SHEET 3 OF 3