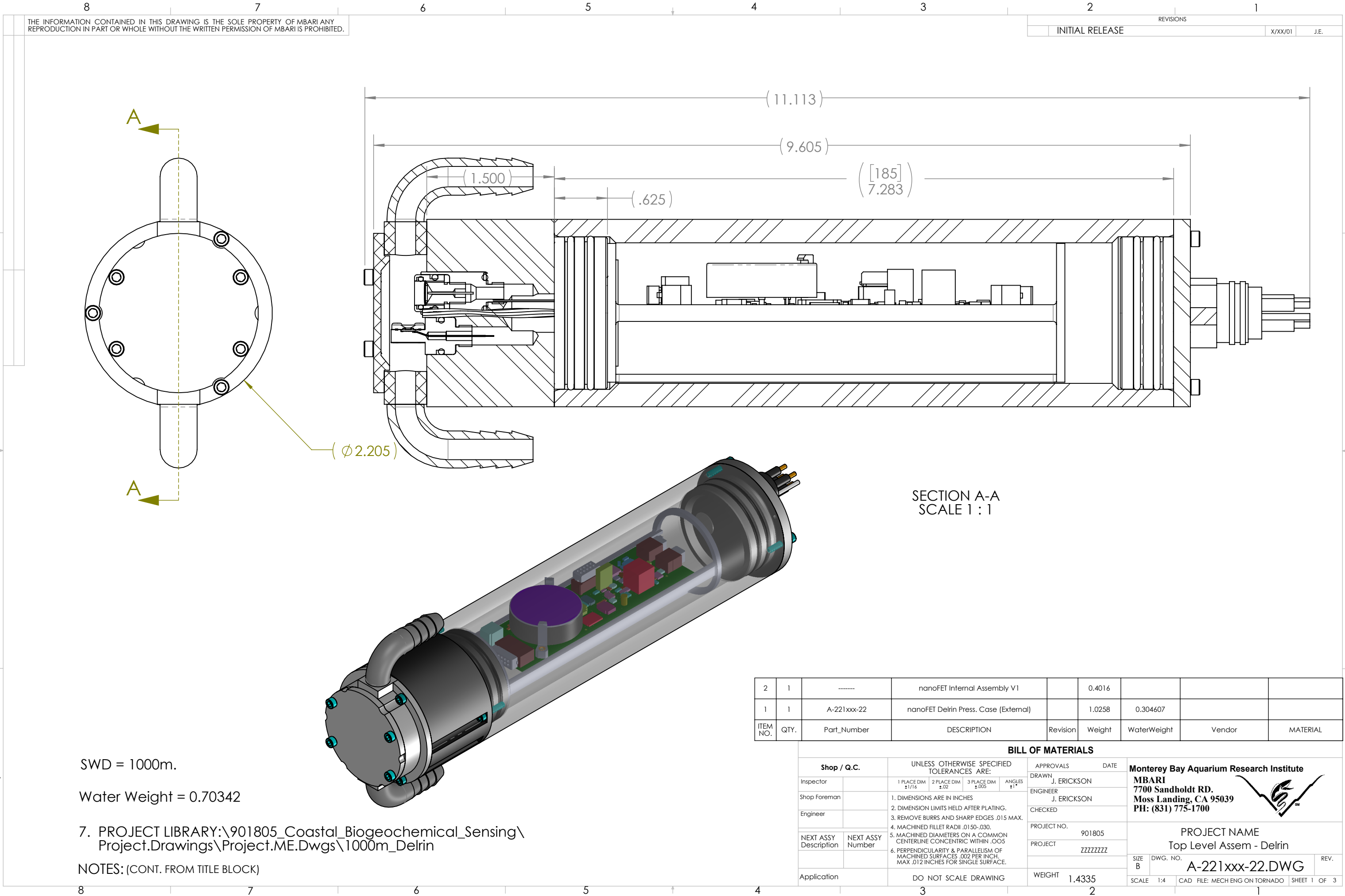




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REVISIONS		
INITIAL RELEASE	X/XX/01	J.E.

SECTION A-A
SCALE 1 : 1

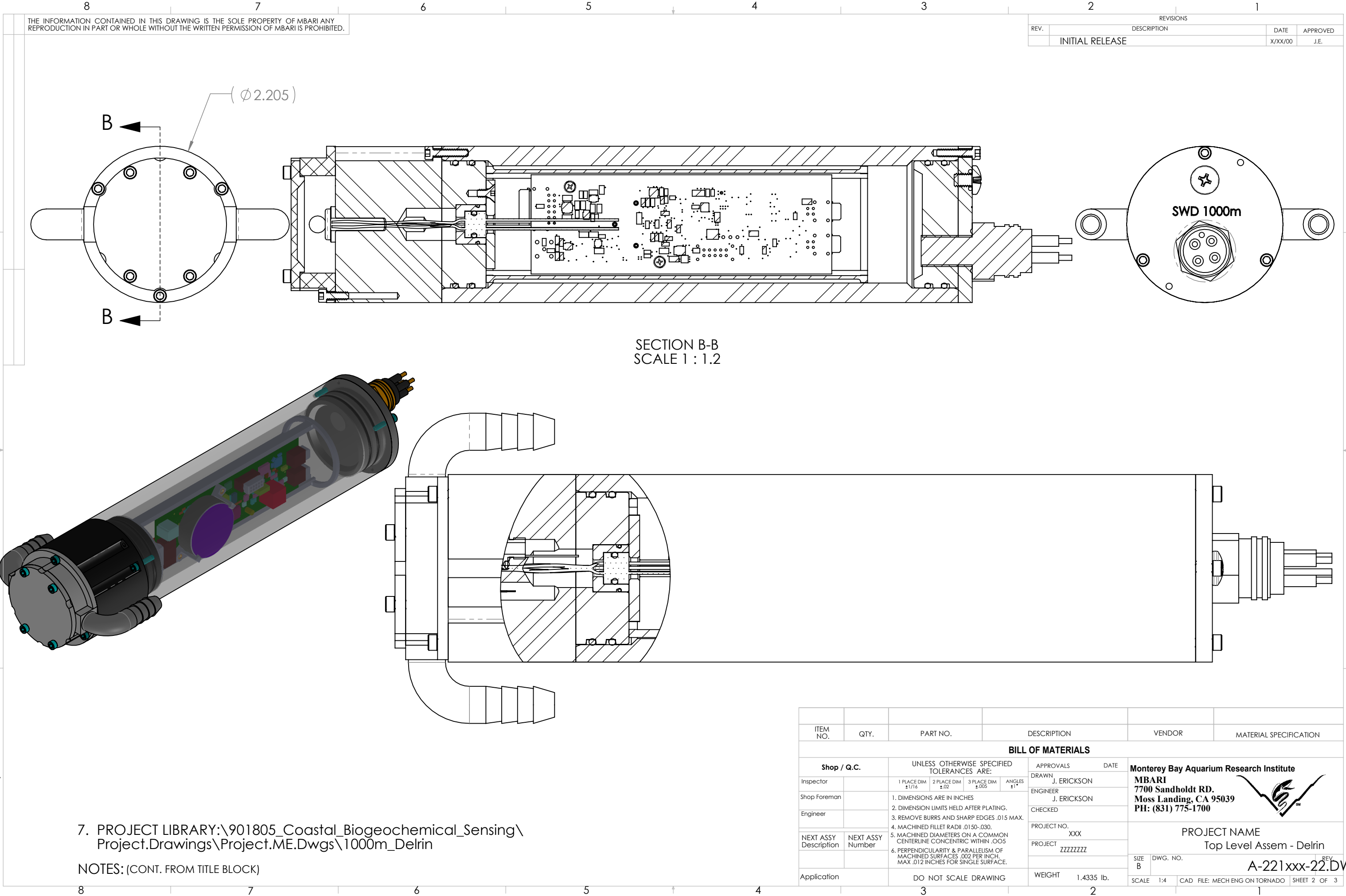
SWD = 1000m.
Water Weight = 0.70342

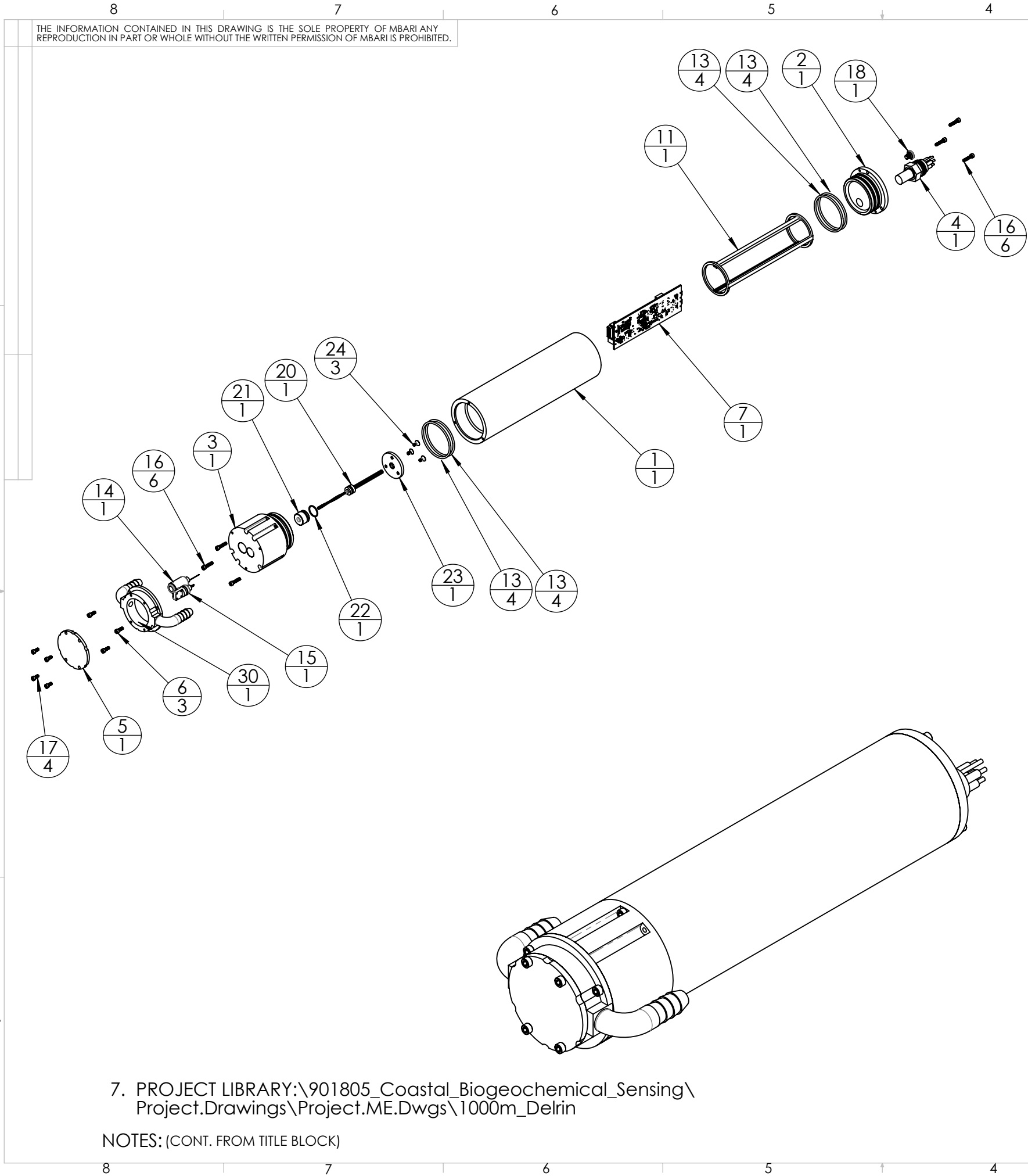
7. PROJECT LIBRARY:\901805_Coastal_Biogeochemical_Sensing\
Project.Drawings\Project.ME.Dwgs\1000m_Delrin

NOTES: (CONT. FROM TITLE BLOCK)

2	1	-----	nanoFET Internal Assembly V1		0.4016			
1	1	A-221xxx-22	nanoFET Delrin Press. Case (External)		1.0258	0.304607		
ITEM NO.	QTY.	Part_Number	DESCRIPTION	Revision	Weight	WaterWeight	Vendor	MATERIAL

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.	ENGINEER	J. ERICKSON						
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.			CHECKED							
NEXT ASSY Description	NEXT ASSY Number							PROJECT NO.	901805			PROJECT NAME Top Level Assem - Delrin			
								PROJECT	ZZZZZZZZ						
Application								WEIGHT	1.4335			SIZE B	DWG. NO.	A-221xxx-22.DWG	REV.
												SCALE 1:4	CAD FILE: MECH ENG ON TORNADO	SHEET 1 OF 3	





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

31	2		Plastic Barbed Tube Fitting for Air and Water		McMaster-Carr Supply Company	Nylon Plastic
30	1	P-221793-22	DuraFET_Flow Cell V1		MBARI	ABS
29	3	0503-2-15	MilMax_0503-2-15		MilMax	
28	2	91772A076	#2-56 x 3/16_18-8 S.S. Pan Head Phillips Screw		McMaster-Carr Supply Company	18-8 Stainless Steel
27	2	99362A800	#2-56 Brass Tapping Inserts for Plastic		McMaster-Carr Supply Company	Brass
26	2	P-221931-23	Snap Hook Part		MBARI	Material <not specified>
25	1	TL-5135	Tadiran TL-5135			
24	3	90585A200	#4-40 UNC-2A x 1/4L Flt Sckt Hd Cap		McMaster-Carr	AISI 316
23	1	P-221860-23	PaveTech Retaining Plate		MBARI	POM Delrin Homopolymer
22	1	#2-026-70-N	O-RING			BUNA - N
21	1	P-221858-23	GDF PaveTech Plug		MBARI	PEEK
20	1	???????	GDF pH Sensor			Material <not specified>
19	1	P-221800-22	nanmoFET 1000m Rear End Cap_V2		MBARI	POM Delrin (Black)
18	1	90825A838	#10-32 x 1/4_Sealing Pan Head Screws		McMaster-Carr Supply Company	18-8 Stainless Steel
17	4	92185A106	#4-40 x 1/4 Soc Hd Screw		McMaster-Carr	AISI 316
16	6	92185A110	#4-40 x 1/2 Soc Hd Cap Screw		McMaster-Carr	AISI 316
15	1	xxxxxxx	DuraFET Ver.2 (Assembly)			
14	1	xxxxxxx	Refence CellVer.2 (Assembly)			
13	4	2mm x 42mm - 70-N	O-RING			BUNA - N
12	1	P-221791-23	nanofET1000m Front End Cap V3		MBARI	POM Delrin (Black)
11	1	P-221932-23	nanofET Board Chassis	A	MBARI	
10	1	m80-1031298	12 Pin Conn			
9	1	m80-1031098	10 Conn			
8	2	m80-1030498	4 Conn			
7	1	100221643rB_072023-0840	nanofET Board			
6	3	92185A107	#4040 x .312 Soc Hd Cap Screw		McMaster-Carr	AISI 316
5	1	P-221794-22	nanofET Flow Cell Cover		MBARI	ABS
4	1	MCBH4M	SubConn Conn			
3	1	P-221791-23	nanofET1000m Front End Cap V3		MBARI	POM Delrin (Black)
2	1	P-221800-22	nanmoFET 1000m Rear End Cap_V2		MBARI	POM Delrin (Black)
1	1	P-221798-22	nanofET 1000m Tube V2		BARI	POM Acetal Copolymer

ITEM NO.	QTY.	Part_Number	DESCRIPTION	Revision	Vendor	MATERIAL
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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
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. 901805
						PROJECT Coaatat BioGeoChem
Application		DO NOT SCALE DRAWING				WEIGHT 1.4335 lb.

Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700			nanoFET Top Level Assem - Delrin - V1		REV.
			SIZE B	DWG. NO. A-221xxx-22.DWG	
SCALE 1:4	CAD FILE: MECH ENG ON TORNADO	SHEET 3 OF 3			