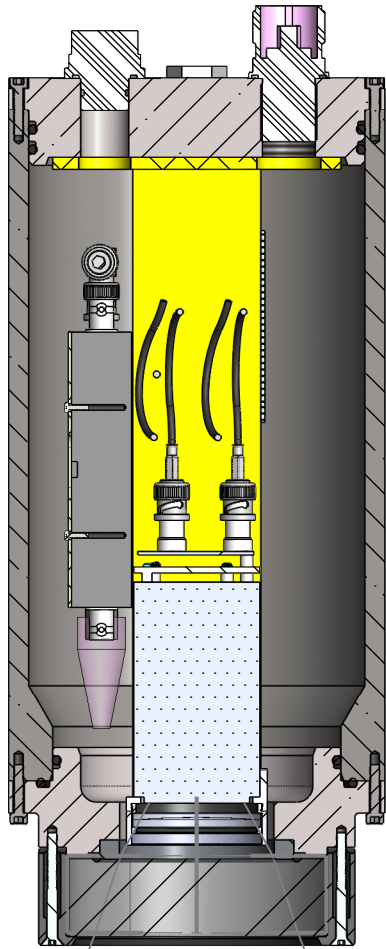
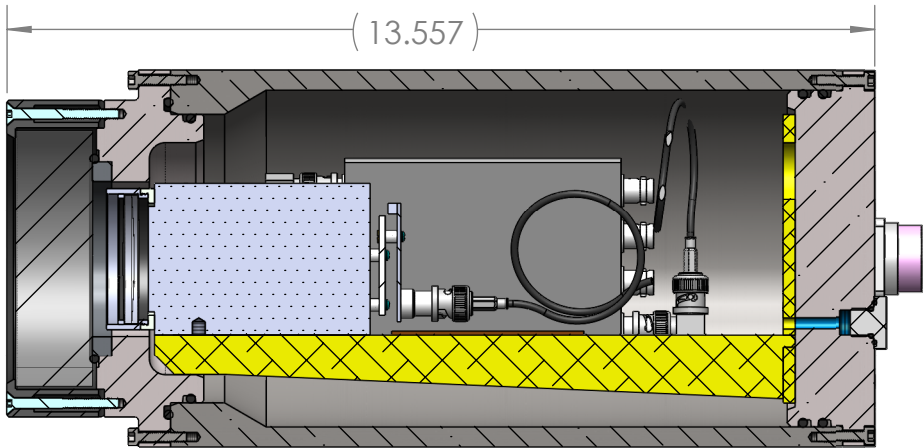
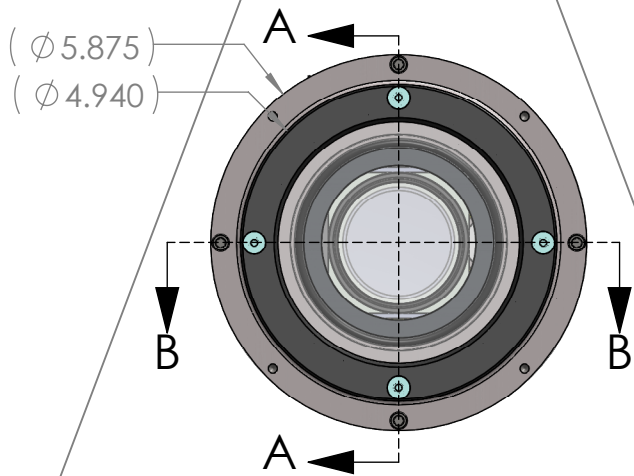


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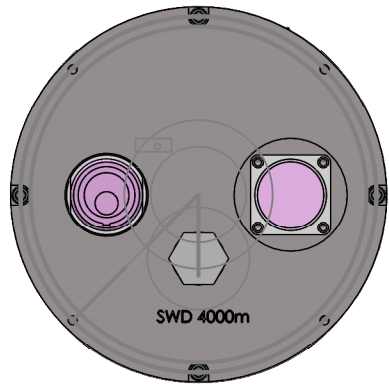
REVISIONS		
INITIAL RELEASE	X/XX/01	J.E.



SECTION B-B
SCALE 1 : 3



SECTION A-A
SCALE 1 : 3



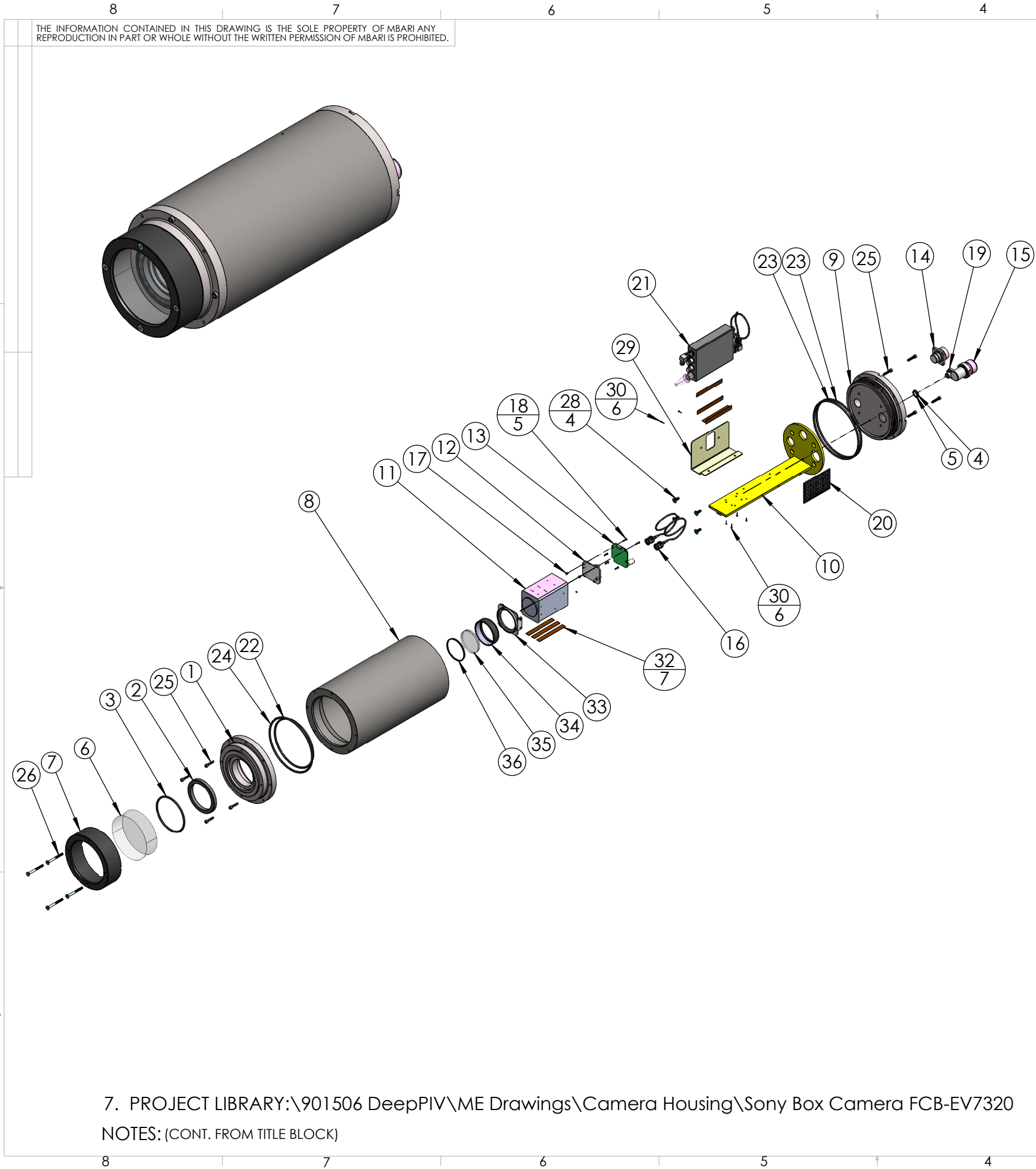
Water Weight = 6.09235

8. SAFE WORKING DEPTH 4,000m.

7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Camera Housing\Sony Box Camera FCB-EV7320

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 12/16/16				
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 12/16/16				
Engineer						CHECKED					
						PROJECT NO.	901506				
NEXT ASSY Description	NEXT ASSY Number					PROJECT	PIV				
						PIV					
Application		DO NOT SCALE DRAWING				WEIGHT	22.2804				
		3						2			
						Monterey Bay Aquarium Research Institute					
						MBARI					
						7700 Sandholdt RD.					
						Moss Landing, CA 95039					
						PH: (831) 775-1700					
						PIV					
						Sony Box Camera Assembly_V2					
						SIZE B	DWG. NO.		REV.		
						A-201874-17.DWG					
						SCALE	1:8		CAD FILE: MECH ENG ON TORNADO	SHEET 1 OF 2	
								1			



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

37	1					Air
36	1	SM2	SM2 LENS TUBE LOCK RING		Thor Labs	
35	1	AC508-750-A	Lens Positive Achromatic Doublets, AR Coated: 400 - 700 nm		Thor Labs	
34	1	SM@L05	SM2L05 Lens Tube		ThorLabs	Anodized Aluminum
33	1	P-201936-17	Dioptr Lens Adaptor Mount		MBARI	VisijetM3Crystal_XHD-Tensile
32	7	??????	Kapton Polyimide Tape		McMaster-Carr	Polyimide
31	2					
30	6	94270A104	M2x0.4x8mm_Slt Pan Hd Screw		McMaster-Carr	Nylon 6/10
29	1	P-201915-17	AJA Sync Bracket		MBARI	5052-(H34) Alloy
28	4	90585A989	#10-32 x 1/2 Flt Hd Soc Screw		McMaster-Carr	AISI 316
27	1	??????	BNC Right Angle Adaptor			
26	4	92210A205	#8-32 x 1.75 Flt Soc Hd Screw		McMaster-Carr	AISI 304
25	8	95435A582	#8-32 x 3/4 Soc Hd Cap Screw		McMaster-Carr	Titanium Gr2
24	1	#2-248	O-Ring			BUNA - N
23	2	#2-250-70-N	O-RING			BUNA - N
22	1	#2-277-70-N	O-RING			BUNA - N
21	1	??????	AJA Gen10 Sync & Connectors		AJA Video Systems	
20	1		Vector Board (Perf. Board)			
19	1	1001853	Vent Plug		MBARI	Titanium 6AL-4V
18	5	90116A015	M2 x 0.4 x 8mm Rnd Hd Phill Screw		McMaster-Carr	AISI 316
17	2	94510A360	M2 x 0.4 Flanged Brass Threaded Insert		McMaster-Carr	Brass
16	3		BNC Plug - RG179			
15	1	Min-L BCRL	Min-Con Min-L - BCRL 1 COAX/6E Bulkhead		Seacon	316 S.S.
14	1	MinK-FCR	Seacon FCR BlkHd			
13	1		HD-SDI Interface / Ext sync			
12	1	P-201883-17	InterTest Adaptor		MBARI	ABS
11	1	FCB-EV7320	Sony BOX Camera		Sony	
10	1	A-201893-17	Box Cam. Chassis Assembly		MBARI	Material <not specified>
9	1	P201877-16	Box Camera Rear End Cap		MBARI	6AL-4V Titanium
8	1	P-201875-16	Box Camera Press. Tube		MBARI	6AL-4V Titanium
7	1	P-201884-17	New Camer Window Retainer	A	MBARI	PE UHMW Black
6	1	B-380-32	four inch diameter flat glass window		EP Oceanographic, LLC	BK-7 Glass
5	1	#3-904	O-RING			BUNA - N
4	1	#2-015	O-RING			BUNA - N
3	1	#2-234-N-70	O-RING			BUNA - N
2	1	P-200943-10	MTSF Cam Port Seat		MBARI	17-4 PH Stainless Steel H900 Condition
1	1	P-201876-16	Box Camera Window End Cap		MBARI	6AL-4V Titanium
ITEM NO.	PIV/QTY.	Part_Number	DESCRIPTION	Revision	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 12/16/16
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 12/16/16
Engineer						CHECKED
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO. 901506
						PROJECT PIV
Application		DO NOT SCALE DRAWING				WEIGHT 22.2804 lb.

Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700				PIV Sony Box Camera Assembly_V2 A-201874-17.DWG	
SIZE B	DWG. NO.	SCALE 1:12	CAD FILE: MECH ENG ON TORNADO	SHEET 2 OF 2	REV.