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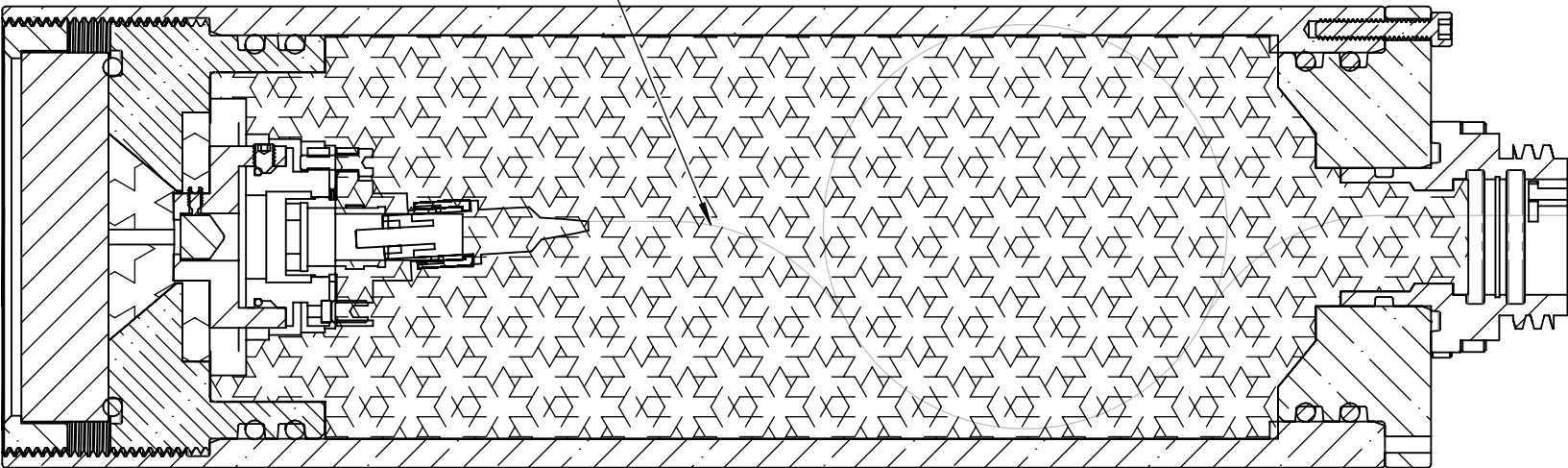
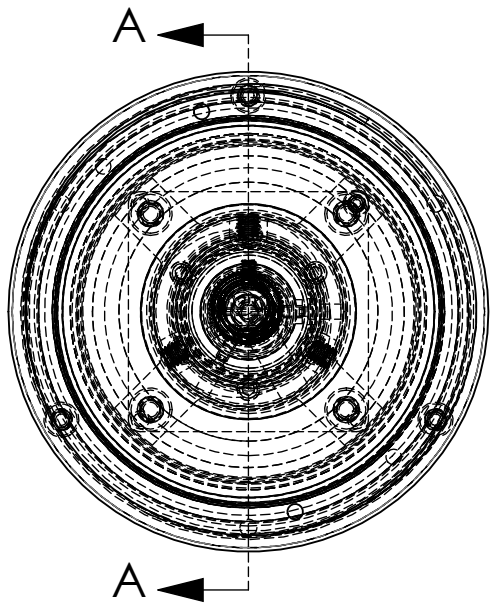
REVISIONS

INITIAL RELEASE

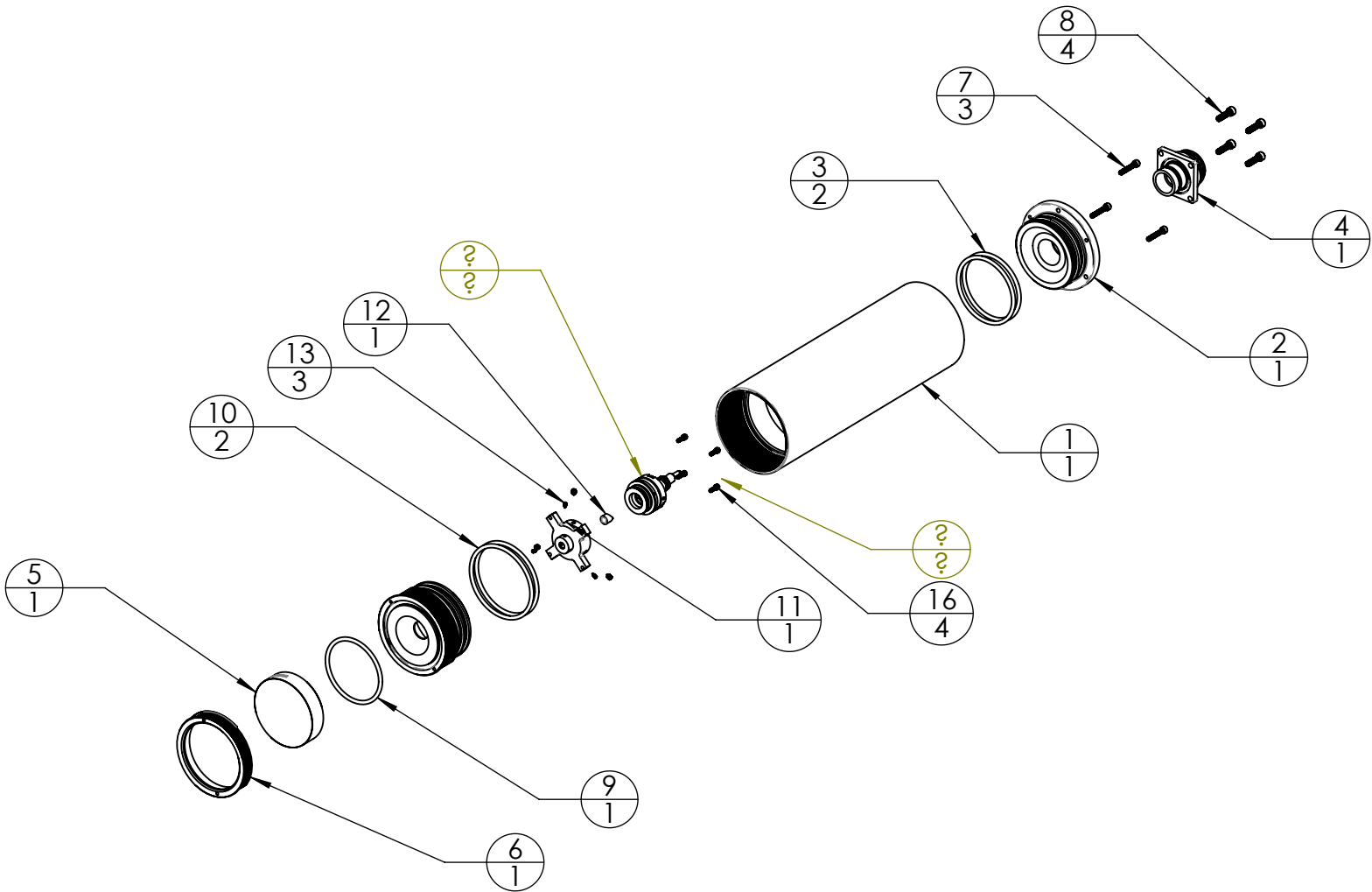
X/XX/01

J.E.

Fiber Length 12.0" Maximum, 10.0" Minimum



SECTION A-A
SCALE 1 : 1



9. SWD = 4,000 m.

8. Water Weight =1.54817

7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Laser Assembly\Remote Head

NOTES: (CONT. FROM TITLE BLOCK)

18	1	P-201783-16	PIV Housing EndCap_V3		MBARI	6AL-4V Titanium
17	3	91217A055	M3x4mm ConePt.		McMaster-Carr	AISI 304
16	4	92185A077	#2-56 x 1/4 Soc Hd Cap		McMaster-Carr	AISI 316
15	1	S-FUXX-9/125/.25-0.3-X	FC/UPC connector, 0.3 meter		Coastal Connections	
14	1	60SMS-4-xx-K1	Shafter Fiber Collimator (slaprt)		Shafter	
13	3	93285A009	M2 x 3mm Nylon-Tip		McMaster-Carr	AISI 304
12	1	LOCP_6.0R60_Narrow Beam	Powell Lens 60		LaserLine Optics Canada Inc.	
11	1	P-201965-18	Powell Lens Adaptor - Shafter		MBARI	PEEK
10	2	2-136 70-N	O-RING			BUNA - N
9	1	2-132 70-N	O-RING			BUNA - N
8	4	95435A485	#6-32 x 1/2 Soc Hd Cap Screw		McMaster-Carr	Titanium Gr2
7	3	95435A362	#4-40 x 5/8 Soc Hd Cap Screw		McMaster-Carr	Titanium Gr2
6	1	P-201790-16	PIV Port Retainer Ring		MBARI	6AL-4V Titanium
5	1	WG12012-B	N-BK7 Windows, AR Coated: 650 - 1050 nm		THOR LABS	
4	1	MinK-FCR	Seacon MinK-FCR Shell		Seacon	AISI 316
3	2	#2-133-70-N	O-RING			BUNA - N
2	1	P-201782-16	PIV Fiber End Cap	A	MBARI	6AL-4V Titanium
1	1	P-210786-18	Remote Head Laser Housing V3	A	MBARI	6AL-4V Titanium
ITEM NO.	QTY.	Part_Number	DESCRIPTION	Revision	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	2/10/16		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	2/10/16					
Engineer						CHECKED							
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	901506			REMOTE LASER HEAD Remote Laser Head Assembly V4			
Application		DO NOT SCALE DRAWING				PROJECT	Deep PIV						
						WEIGHT	2.465			SIZE B	DWG. NO. A-201785-18.DWG	REV.	
						SCALE	1:4	CAD FILE: MECH ENG ON TORNADO	SHEET 1 OF 1				