

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.

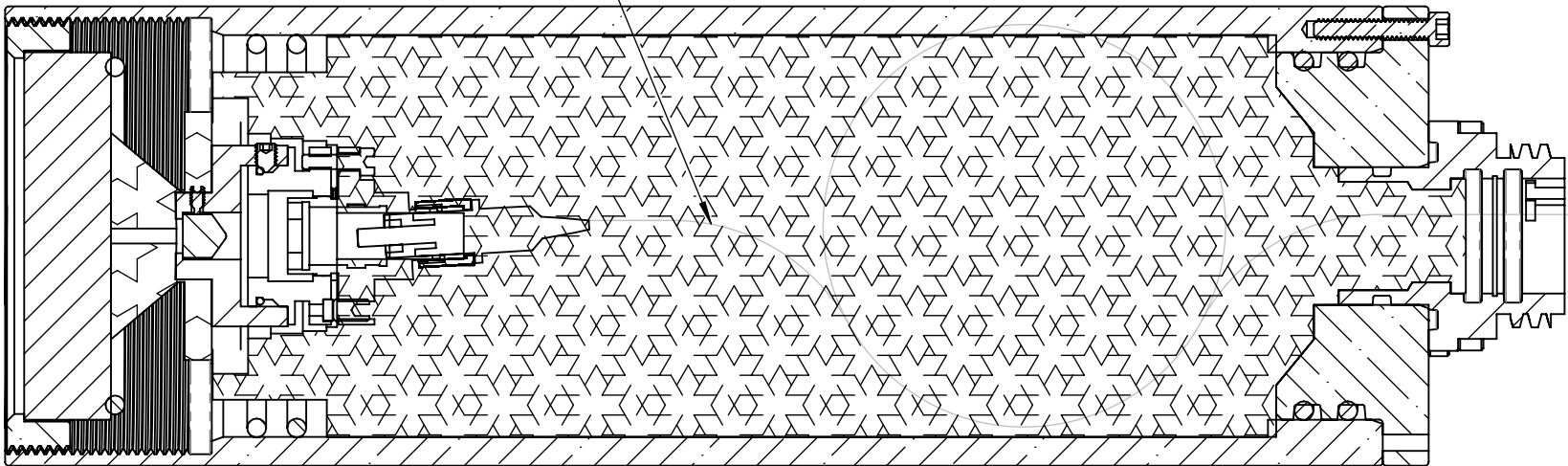
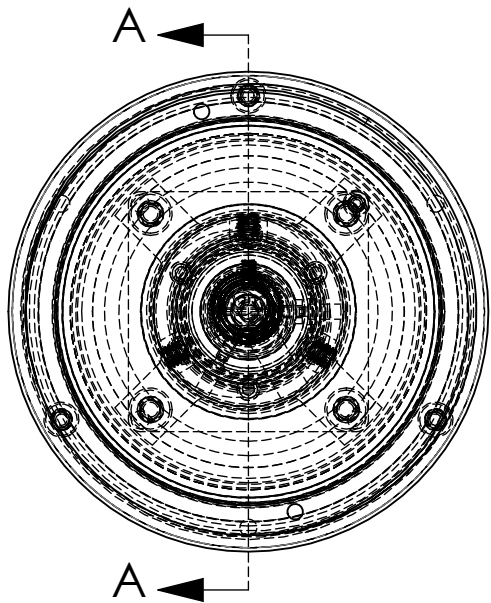
REVISIONS

INITIAL RELEASE

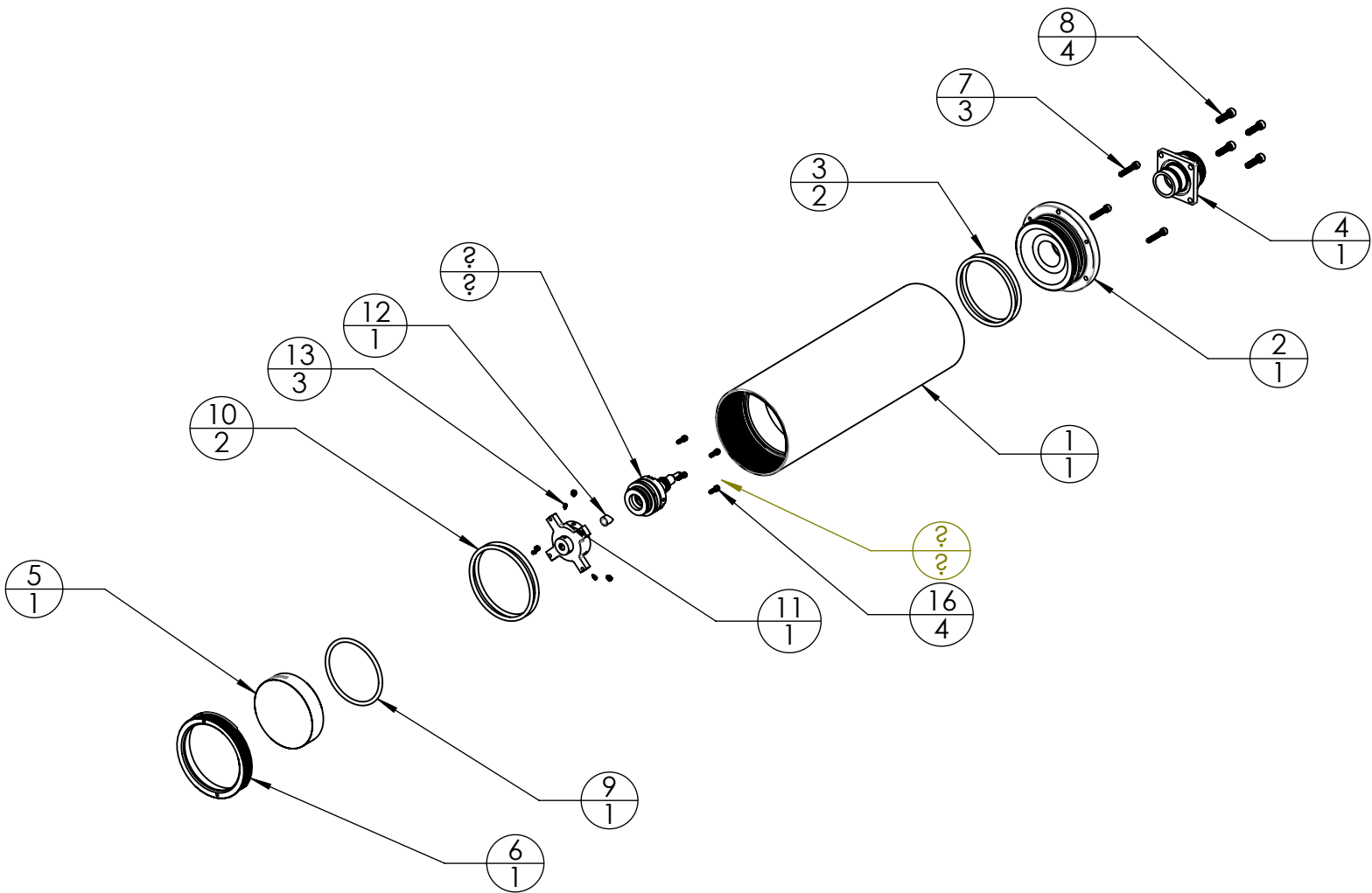
X/XX/01

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)

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				ENGINEER	J. ERICKSON	2/10/16					
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED							
NEXT ASSY Description	NEXT ASSY Number	3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.	901506			REMOTE LASER HEAD Remote Laser Head Assembly V4			
		4. MACHINED FILLET RADII .0150-.030.				PROJECT	Deep PIV						
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				WEIGHT	2.062			SIZE B	DWG. NO.	A-201785-18.DWG	
Application		DO NOT SCALE DRAWING				SCALE	1:4			CAD FILE: MECH ENG ON TORNADO	SHEET 1	OF 1	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.											