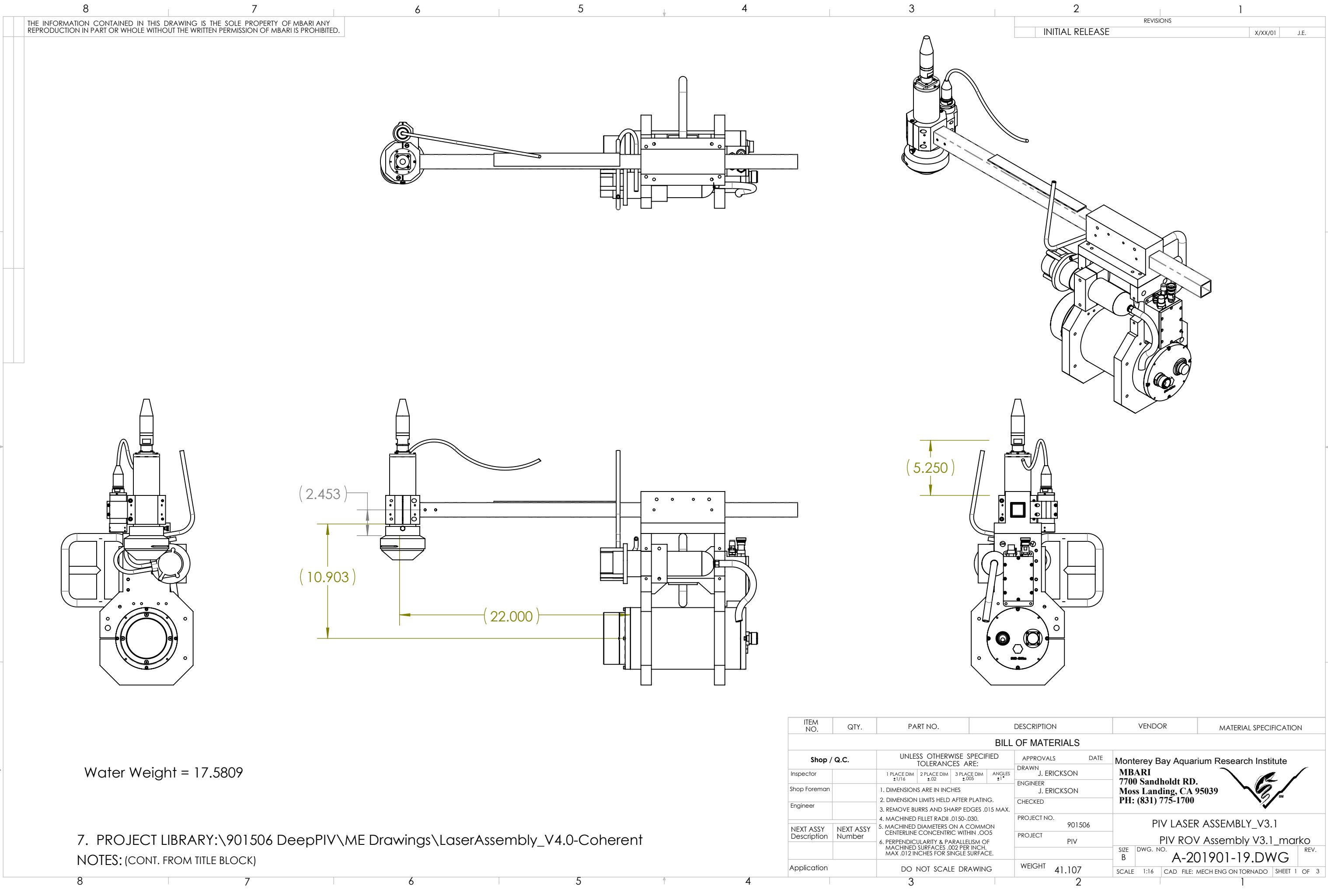




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REVISIONS		
INITIAL RELEASE	X/XX/01	J.E.

Water Weight = 17.5809

7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\LaserAssembly_V4.0-Coherent
NOTES: (CONT. FROM TITLE BLOCK)

ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
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°
Shop Foreman		1. DIMENSIONS ARE IN INCHES		DRAWN	J. ERICKSON
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		ENGINEER	J. ERICKSON
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		CHECKED	
		4. MACHINED FILLET RADII .0150-.030.		PROJECT NO.	901506
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		PROJECT	PIV
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.		WEIGHT	41.107
Application		DO NOT SCALE DRAWING		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700	
					
				PIV LASER ASSEMBLY_V3.1	
				PIV ROV Assembly V3.1_marko	
		SIZE B	DWG. NO.	A-201901-19.DWG	
		SCALE 1:16	CAD FILE: MECH ENG ON TORNADO	REV.	
				SHEET 1 OF 3	

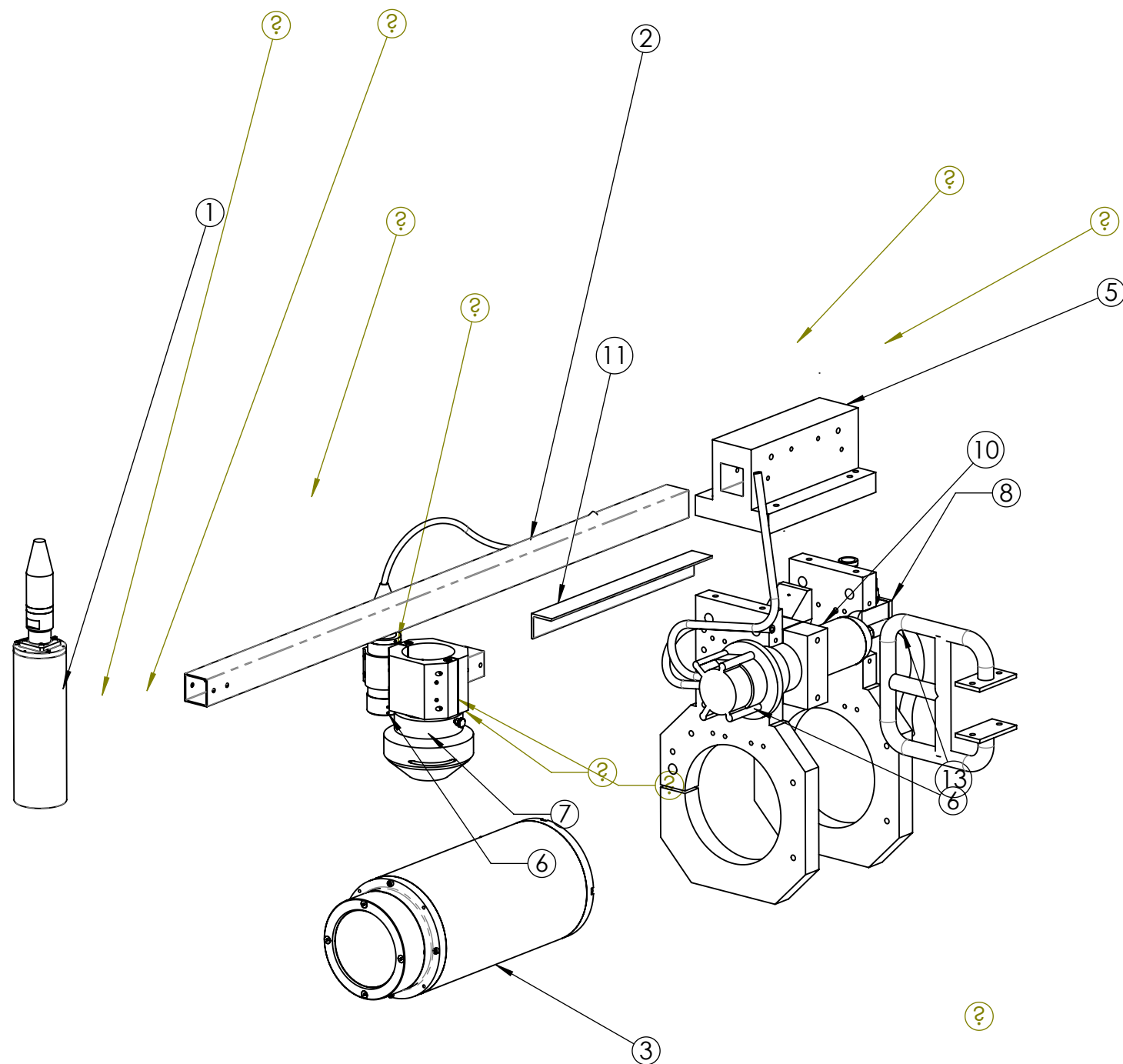
Monterey Bay Aquarium Research Institute
MBARI
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700



PIV LASER ASSEMBLY_V3.1
PIV ROV Assembly V3.1_marko
A-201901-19.DWG

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



7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\LaserAssembly_V4.0-Coherent

NOTES: (CONT. FROM TITLE BLOCK)

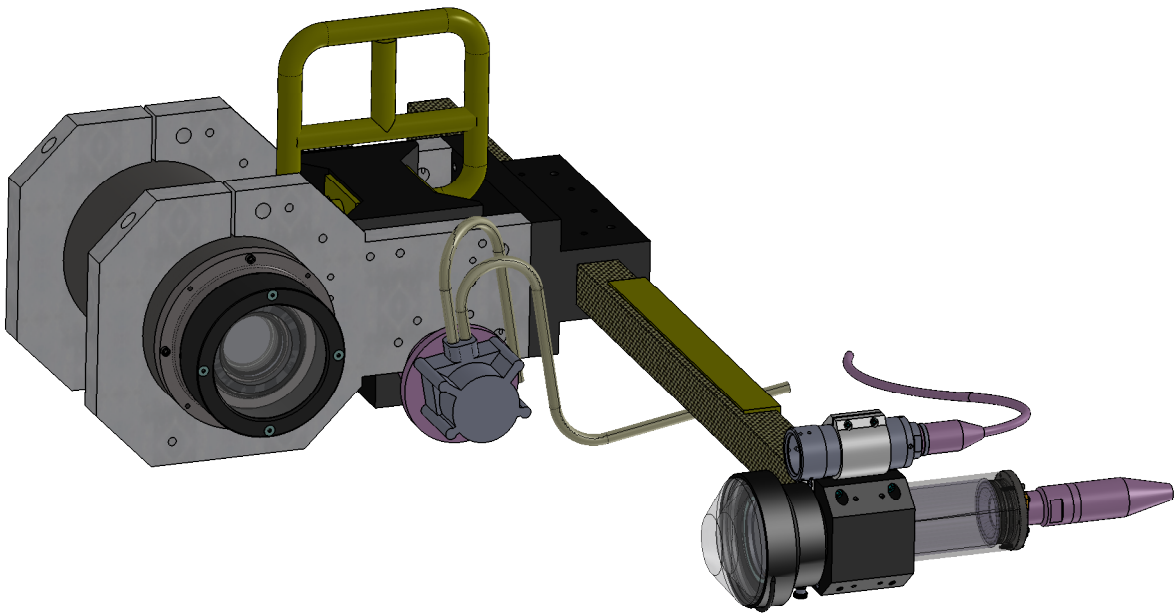
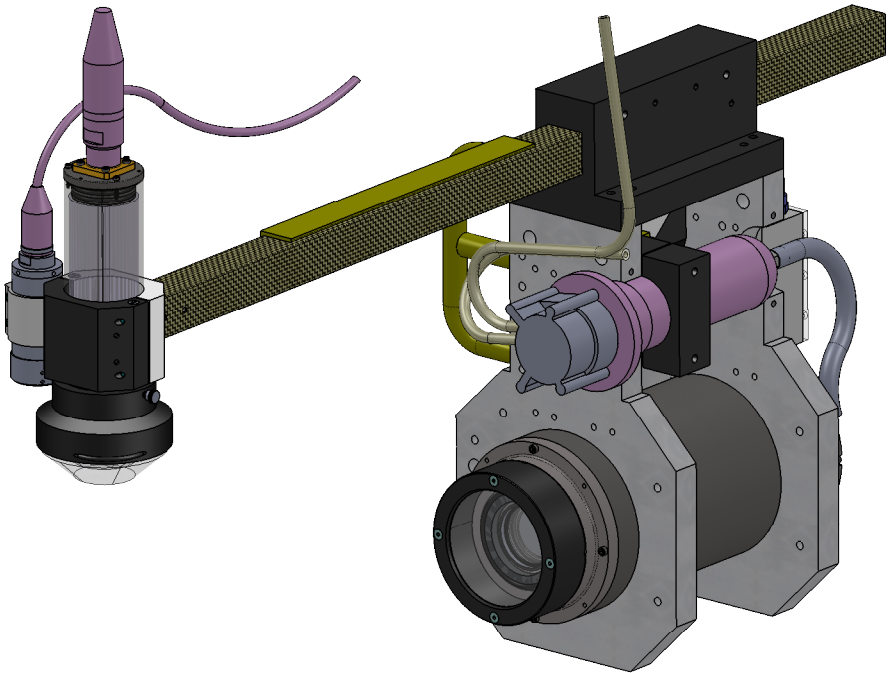
14	1	A-202xxx-19	Remote Head Clamp Assembly		MBARI	
13	1	P-201807-16	Bail "D" Handle for PIV		MBARI	6061-T6 Alloy
12	1	P-201823-17	Alternate Handle Mount V2		MBARI	POM Delrin (Black)
11	1					
10	1					
9	2					
8	1			A.01		
7	1		Safety Cap Diffuser Assembly			
6	1		InSite Pacific BW Camera			
5	1	P-201801-17	Fiber Tube Mount Block		MBARI	POM Delrin (Black)
6	2	P-201803-17	Camera Plate Bracket V2		MBARI	PE UHMW
3	1	A-201874-17	Sony Box Camera Assembly_V2		MBARI	
2	1	25492	Rect. Tube		Rock West Composites	Generic Carbon Epoxy
1	1	A-201785-18	Remote Laser Head Assembly V4		MBARI	
ITEM NO.	Print/QTY.	Part_Number	DESCRIPTION	Revision	Vendor	MATERIAL

BILL OF MATERIALS

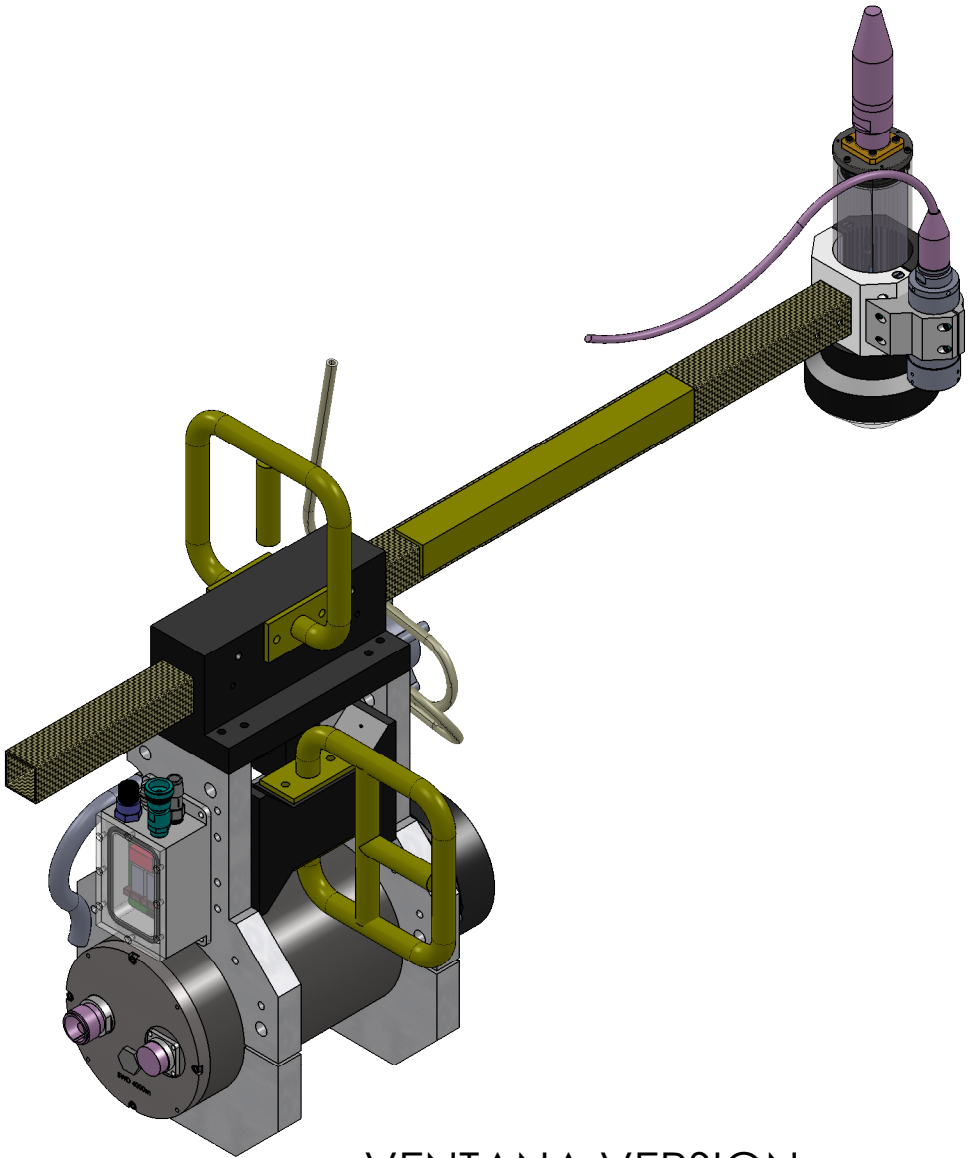
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 			
Inspector		1 PLACE DIM ±.1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN J. ERICKSON							
Shop Foreman		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				PIV LASER ASSEMBLY_V3.1 PIV ROV Assembly V3.1_marko A-201901-19.DWG SCALE 1:16 CAD FILE: MECH ENG ON TORNADO SHEET 2 OF 3			
Engineer						CHECKED							
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.		901506		REV.			
						PROJECT		PIV					
Application		DO NOT SCALE DRAWING				WEIGHT		41.107 lb.		SIZE B		DWG. NO.	

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



RICKETTS VERSION



VENTANA VERSION

7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\LaserAssembly_V4.0-Coherent
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 	
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. 901506		PIV LASER ASSEMBLY_V3.1 PIV ROV Assembly V3.1_marko A-201901-19.DWG	
						PROJECT PIV			
Application		DO NOT SCALE DRAWING				WEIGHT 41.107 lb.			
		SCALE	1:24	CAD	FILE: MECH ENG ON TORNADO	SHEET	3	OF	3