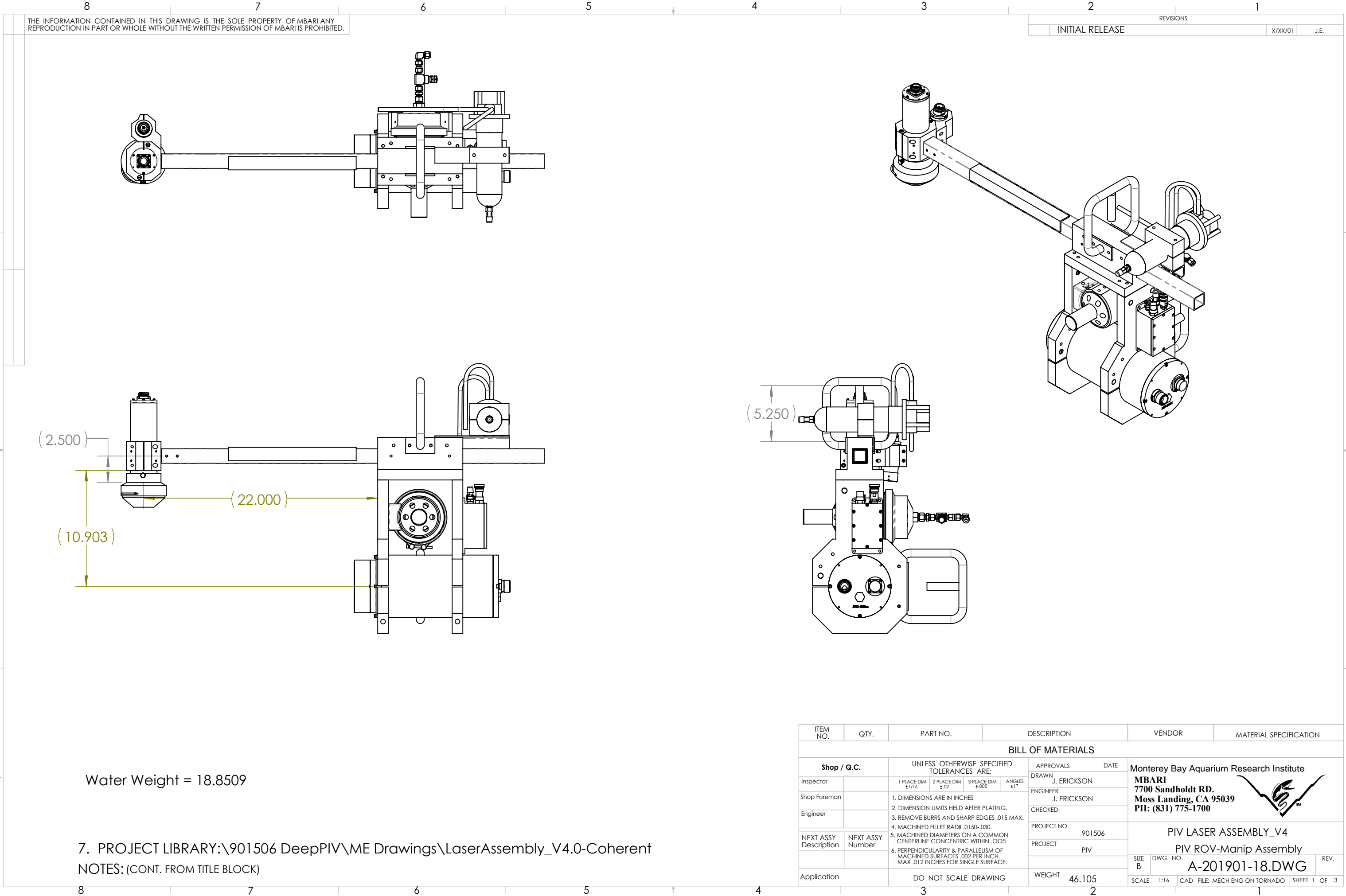




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REVISIONS		
INITIAL RELEASE	X/XX/01	J.E.

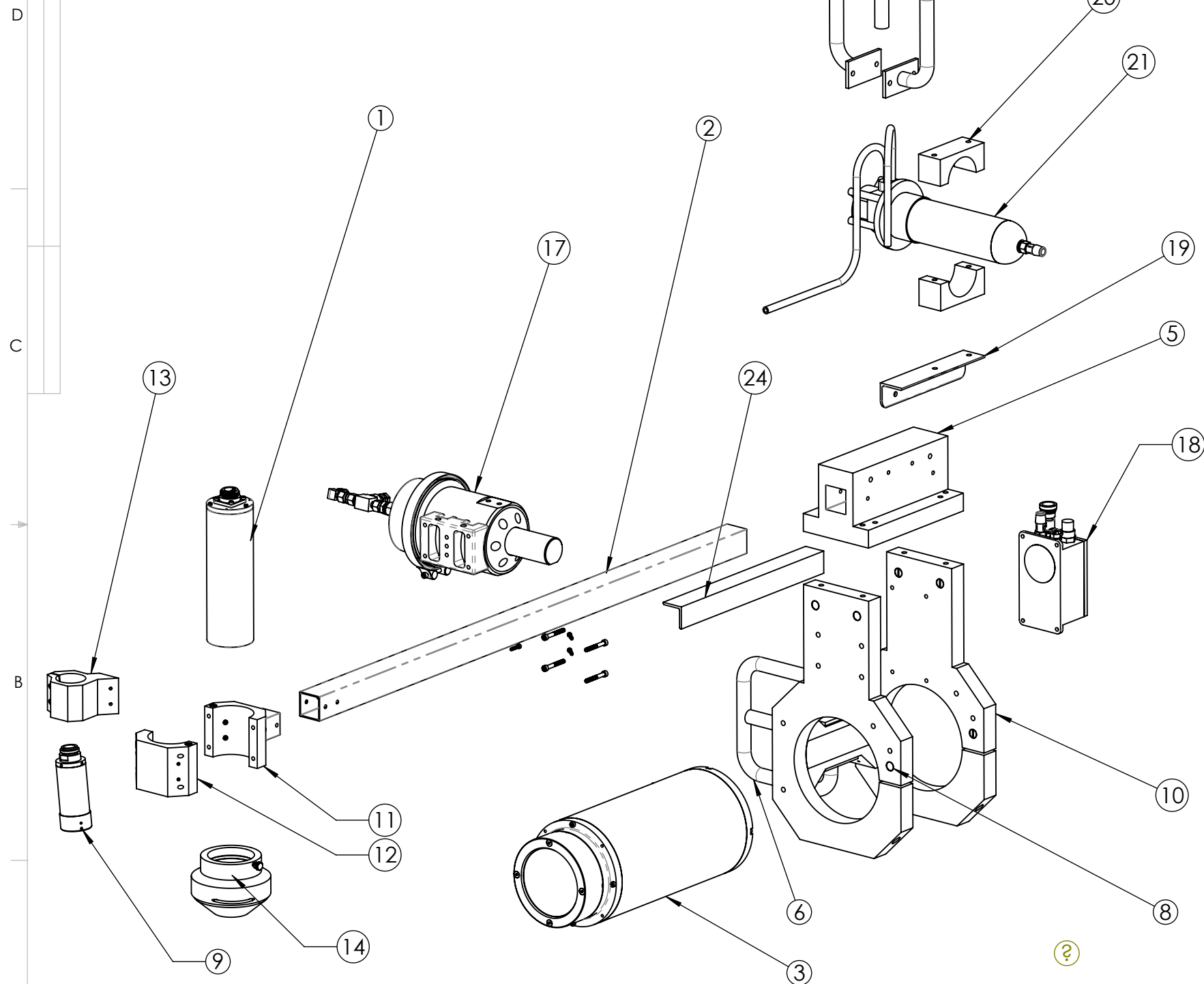
Water Weight = 18.8509

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	DRAWN J. ERICKSON	
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°	ENGINEER J. ERICKSON	
Engineer		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.		CHECKED	
NEXT ASSY Description	NEXT ASSY Number			PROJECT NO. 901506	
				PROJECT PIV	
				WEIGHT 46.105	
		DO NOT SCALE DRAWING			
				Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700	
				PIV LASER ASSEMBLY_V4 PIV ROV-Manip Assembly A-201901-18.DWG	
				SIZE B	REV.
				DWG. NO.	
				SCALE 1:16	CAD FILE: MECH ENG ON TORNADO SHEET 1 OF 3

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



24	1					
23	4	92185A994	#10-32 x 1.5 Sckt Hd Cap Screw		McMaster-Carr	AISI 316
22	4	92185A149	#6-32 x 5/8 Sckt Hd Cap Screw		McMaster-Carr	AISI 316
21	1					
20	2					
19	1					
18	1			A.01		
17	1		Hyd. Compensator Assembly			
16	4		Barrel Nut		MBARI	
15	4	95110A113	#6-32 Insert (3/16 Hole 1/4 Dp)		McMaster-Carr	AISI 304
14	1		Safety Cap Diffuser Assembly			
13	1	P-201976-18	Camera Mount (IT-1000) V2		MBARI	ABS
12	1	P-201984-18	Remote Head Mount		MBARI	POM Delrin (Black)
11	1	P-201984-18	Remote Head Mount		MBARI	ABS
10	1	P-201803-17	Camera Plate Bracket V2		MBARI	PE UHMW
9	1		InSite Pacific BW Camera			
8	6		Barrel Nut		MBARI	
7	1	P-201823-17	Alternate Handle Mount V2		MBARI	POM Delrin (Black)
6	2	P-201807-16	Bail "D" Handle for PIV		MBARI	6061-T6 Alloy
5	1	P-201801-17	Fiber Tube Mount Block		MBARI	POM Delrin (Black)
6	1	P-201803-17	Camera Plate Bracket V2		MBARI	PE UHMW
3	1	A-201874-16	Sony Box Camera Assembly		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

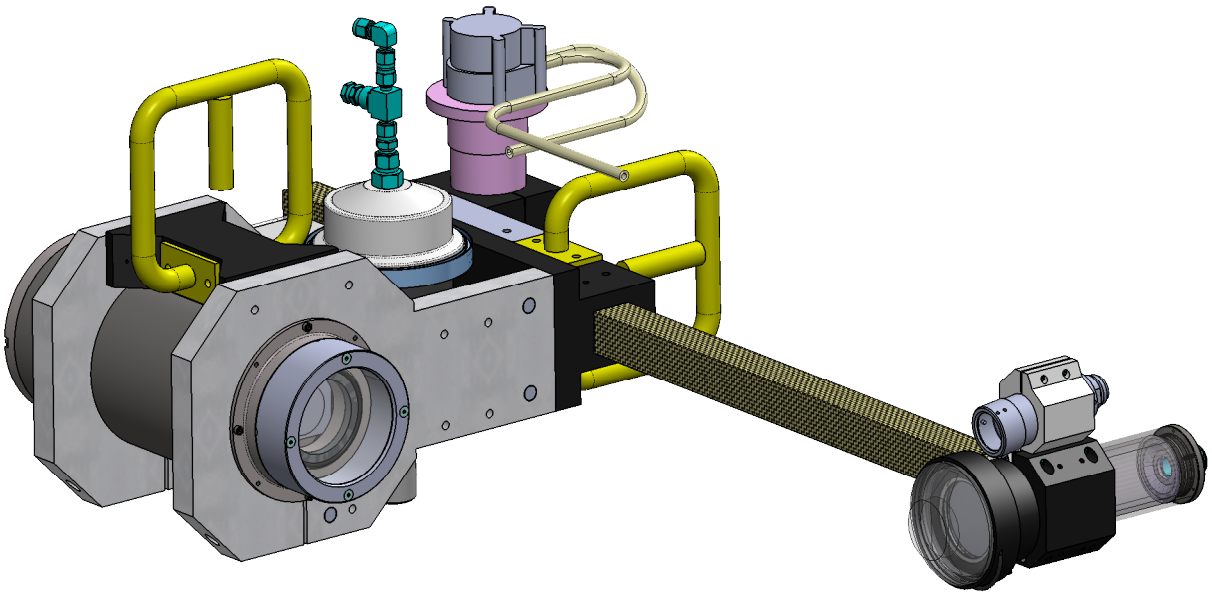
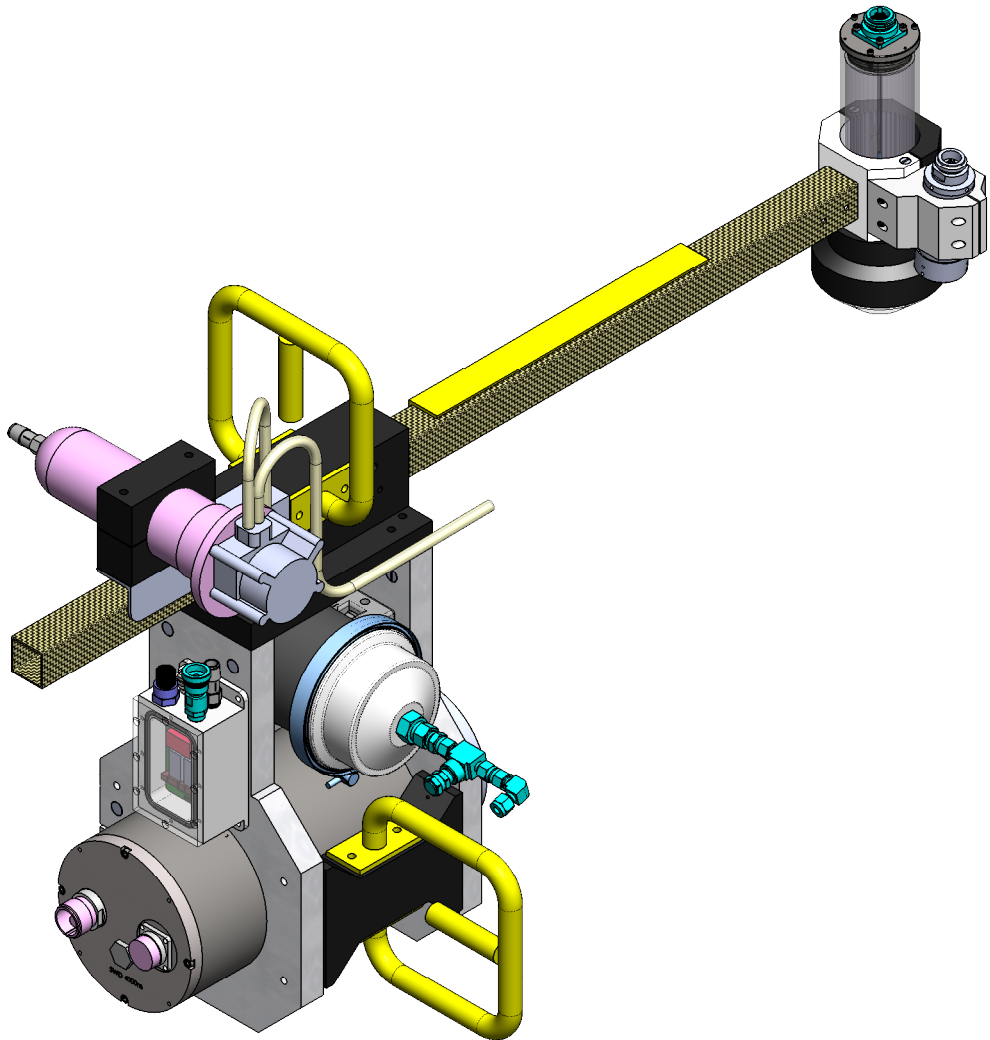
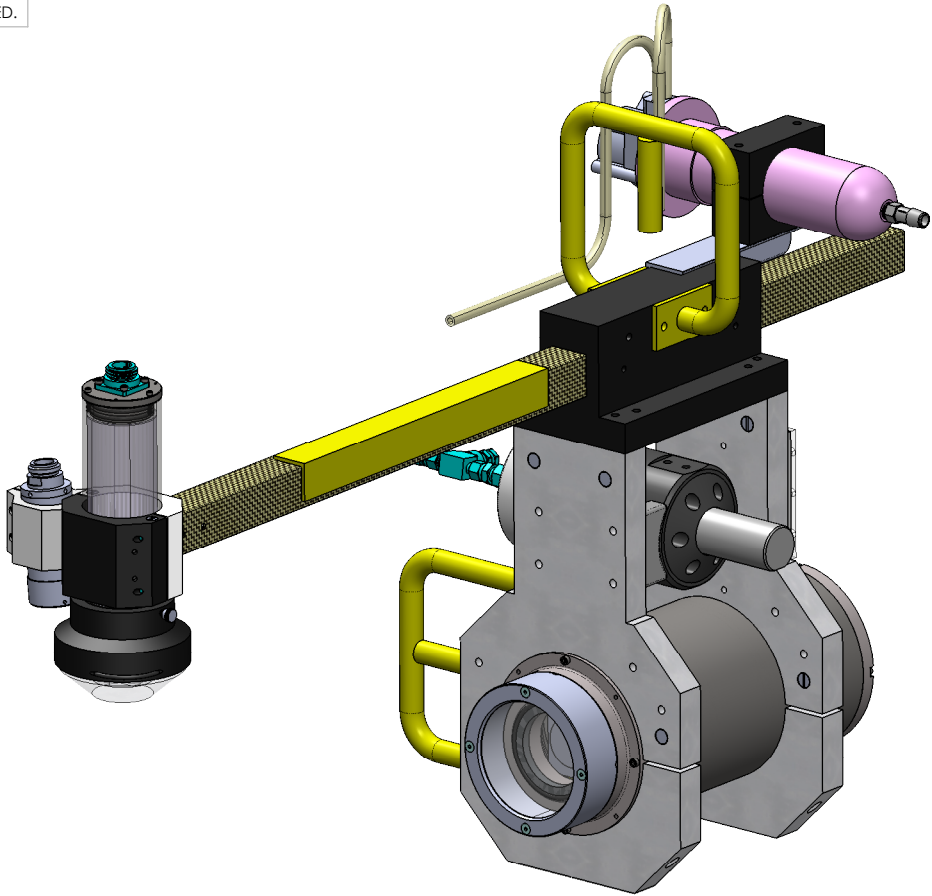
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				DATE		Monterey Bay Aquarium Research Institute			
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON				
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS 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				
		PROJECT	PIV				PIV LASER ASSEMBLY_V4				
							PIV ROV-Manip Assembly				
							A-201901-18.DWG				
Application		DO NOT SCALE DRAWING				WEIGHT	46.105 lb.		SCALE 1:16 CAD FILE: MECH ENG ON TORNADO SHEET 2 OF 3		

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

NOTES: (CONT. FROM TITLE BLOCK)

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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)

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 PIV LASER ASSEMBLY_V4.0 PIV ROV-Manip Assembly	
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				ENGINEER	J. ERICKSON		
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		
		4. MACHINED FILLET RADII .0150-.030.				PROJECT	PIV	SIZE B	DWG. NO. A-201901-18.DWG
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				WEIGHT	46.105 lb.	SCALE	1:24
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.				CAD FILE: MECH ENG ON TORNADO SHEET 3 OF 3			
Application		DO NOT SCALE DRAWING							