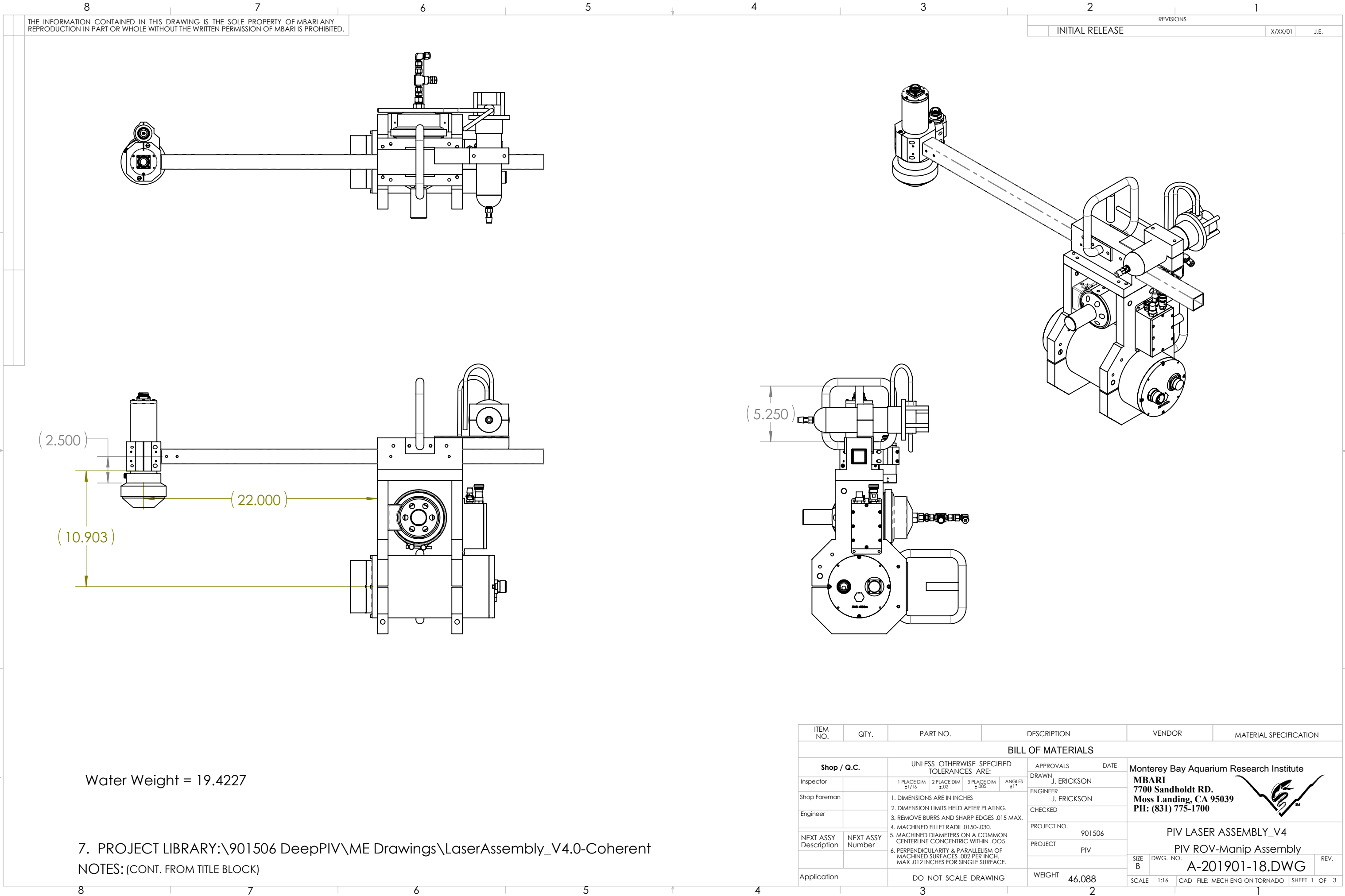




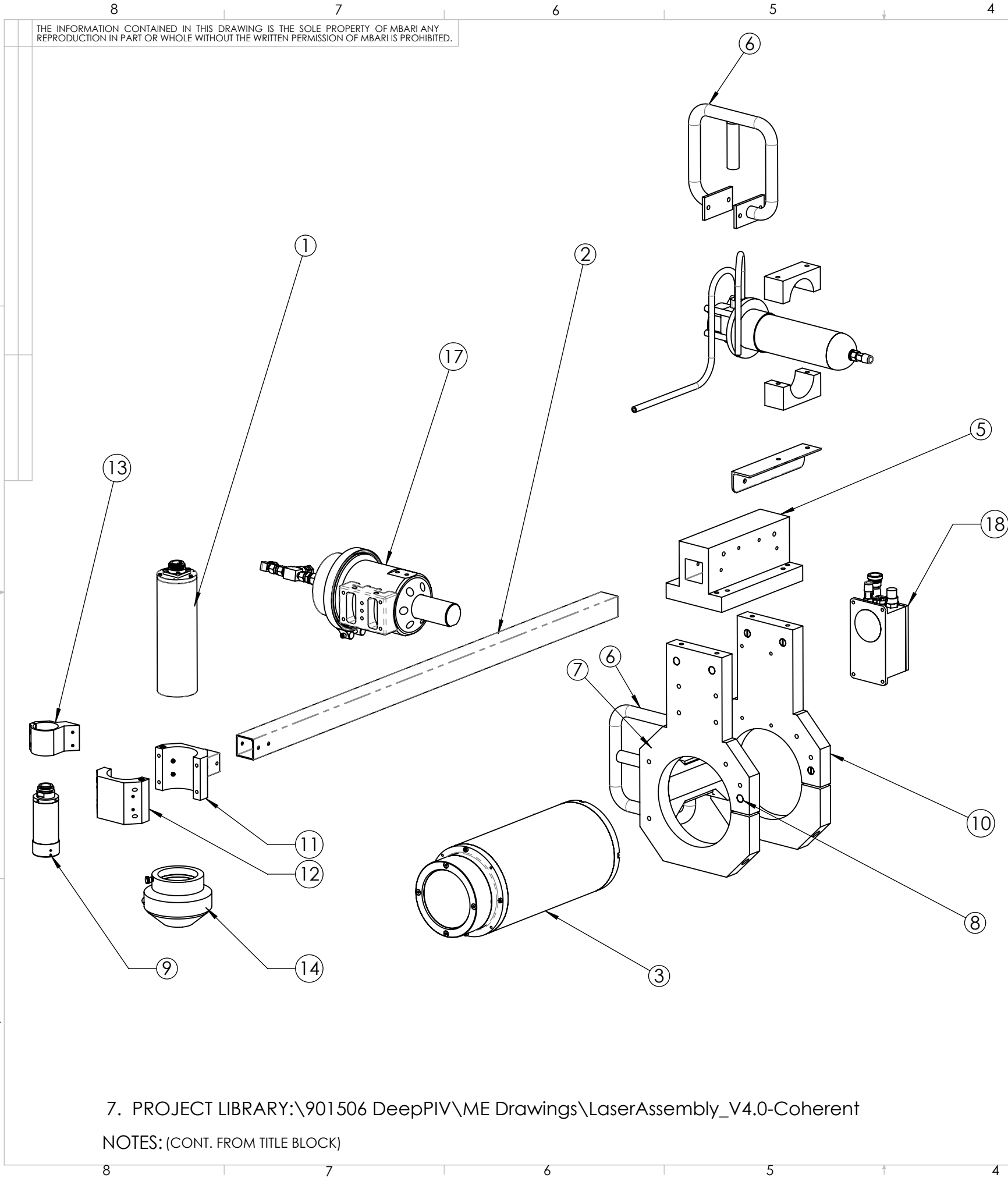
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REVISIONS		
INITIAL RELEASE	X/XX/01	J.E.

Water Weight = 19.4227

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 46.088	
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_V4 PIV ROV-Manip Assembly A-201901-18.DWG	
				SIZE B	REV.
				SCALE 1:16	CAD FILE: MECH ENG ON TORNADO SHEET 1 OF 3



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

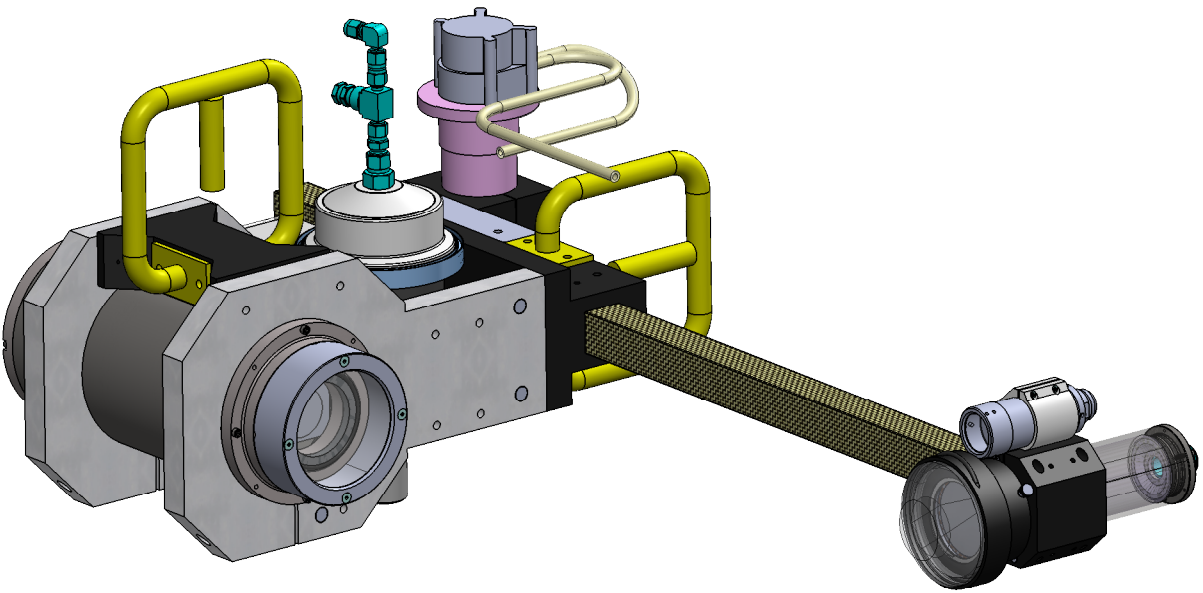
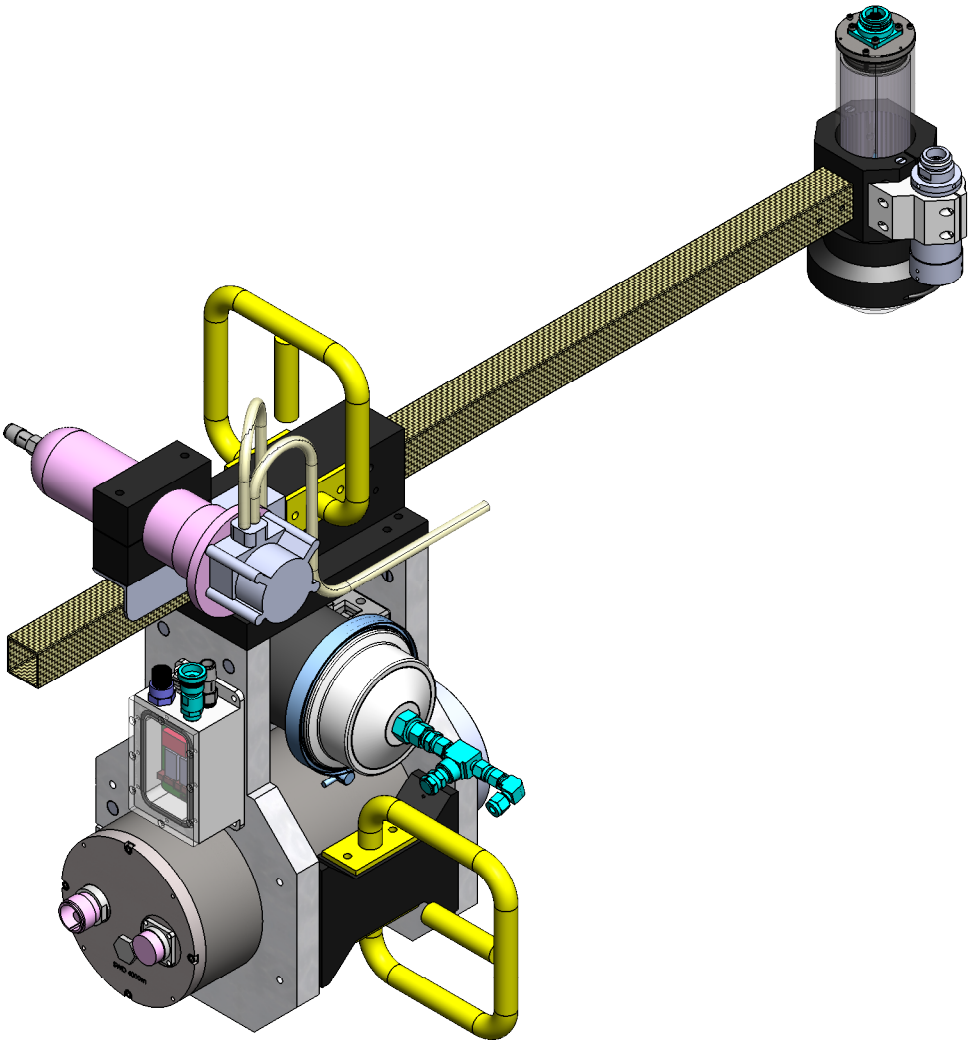
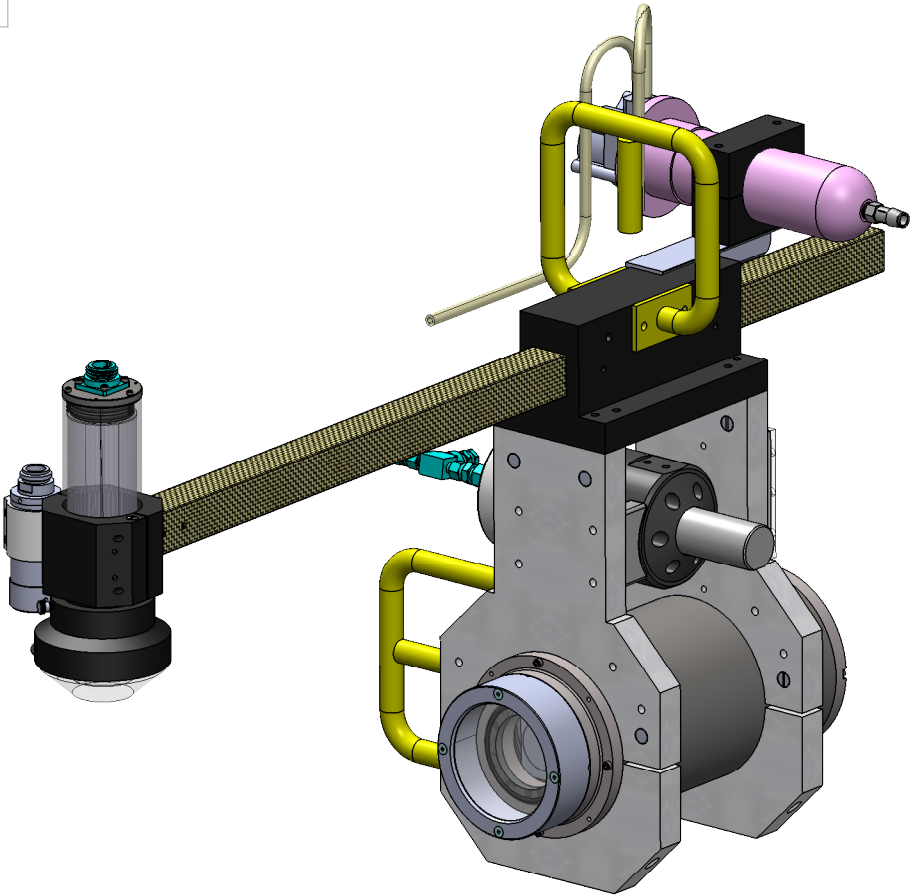
21	1					
20	2					
19	1					
18	1			A.01		
17	1		Hyd. Compensator Assembly			
16	4		Barrel Nut		MBARI	
15	4	95110A113	#6-32 Insert (3/16 Hole 1/4 Dp)		McMaster-Carr	AISI 304
14	1		Safety Cap Diffuser Assembly			
13	1	P-201976-18	Camera Mount (IT-1000)		MBARI	ABS
12	1			A.04		
11	1			A.04		
10	1	P-201803-17	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:			APPROVALS	DATE
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	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	
Application		DO NOT SCALE DRAWING			WEIGHT 46.088 lb.	

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			
SIZE B	DWG. NO. A-201901-18.DWG	REV.	
SCALE 1:16	CAD FILE: MECH ENG ON TORNADO	SHEET 2 OF 3	

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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 	
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		
Application		DO NOT SCALE DRAWING				WEIGHT	46.088 lb.	SIZE B	DWG. NO. A-201901-18.DWG
								SCALE 1:24	CAD FILE: MECH ENG ON TORNADO
								SHEET 3 OF 3	REV.