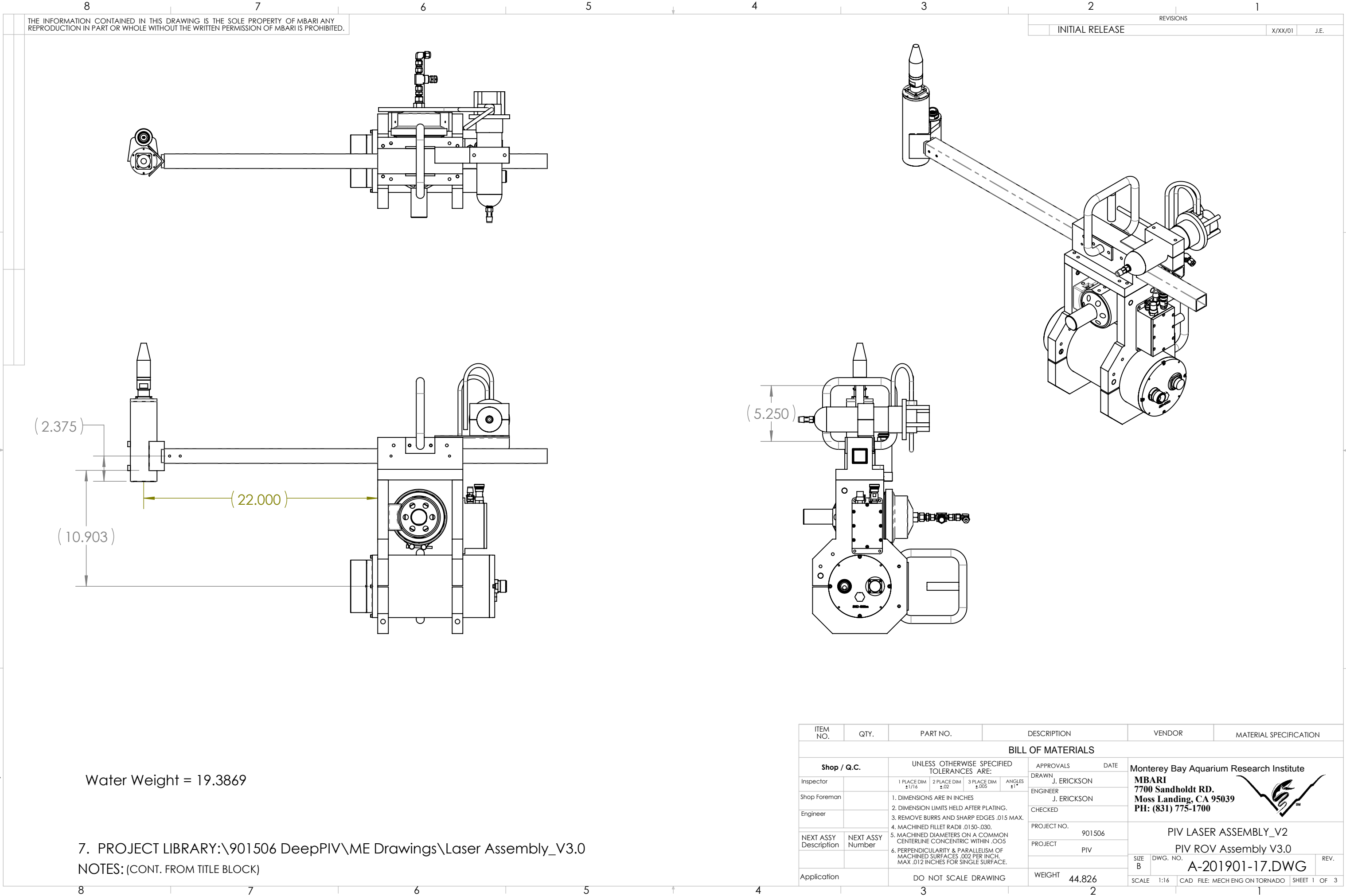




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REVISIONS		
INITIAL RELEASE	X/XX/01	J.E.

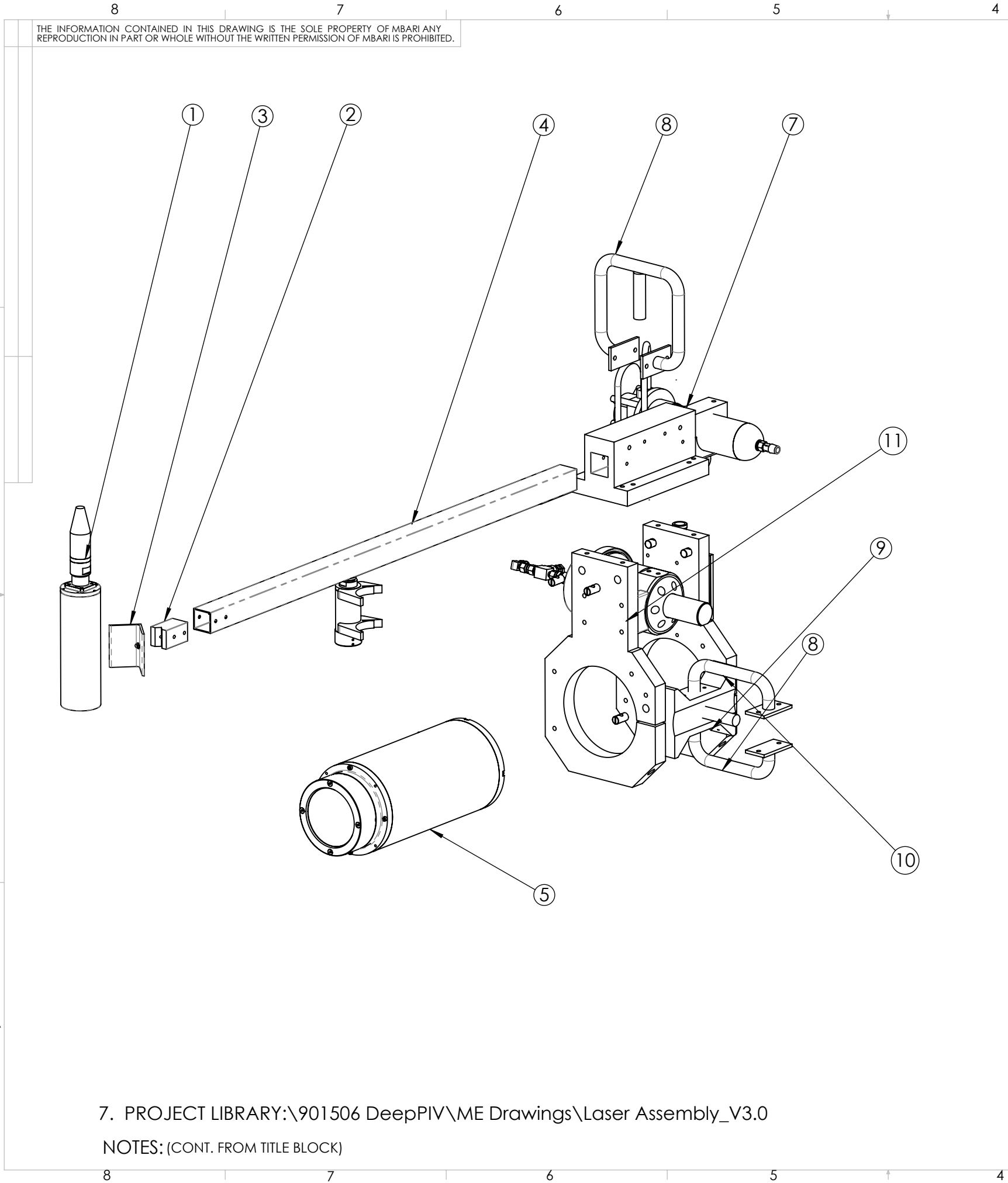
Water Weight = 19.3869

7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Laser Assembly_V3.0
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°	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 
Shop Foreman		1. DIMENSIONS ARE IN INCHES				
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.				
		4. MACHINED FILLET RADII .0150-.030.				
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				PROJECT NO. 901506
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				PROJECT PIV
Application		DO NOT SCALE DRAWING			WEIGHT 44.826	SIZE B DWG. NO. A-201901-17.DWG REV.
					SCALE 1:16	CAD FILE: MECH ENG ON TORNADO SHEET 1 OF 3

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MBARI
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700





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

18	1		InSite Pacific BW Camera			
17	1					
16	1					
15	1		Hyd. Compensator Assembly			
14	2					
13	1					
12	2					
11	1	P-201803-17	Camera Plate Bracket V2	MBARI	PE UHMW	
10	6		Barrel Nut	MBARI		
9	1	P-201823-17	Alternate Handle Mount V2	MBARI	POM Delrin (Black)	
8	2	P-201807-16	Bail "D" Handle for PIV	MBARI	6061-T6 Alloy	
7	1	P-201801-17	Fiber Tube Mount Block	MBARI	POM Delrin (Black)	
6	1	P-201803-17	Camera Plate Bracket V2	MBARI	PE UHMW	
5	1	A-201874-16	Sony Box Camera Assembly	MBARI		
4	1	25492	Rect. Tube	Rock West Composites	Generic Carbon Epoxy	
3	1	P-201800-16	Remote Head Angle Saddle	MBARI901506	6061-T6 Alloy	
2	1	P-201799-17	Saddle Stub_V2	MBARI	6061-T6 Alloy	
1	1	A-201785-16	Remote Laser Head Assembly	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		WEIGHT 44.826 lb.		
Application		DO NOT SCALE DRAWING		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700		

SIZE B

DWG. NO. A-201901-17.DWG

SCALE 1:16

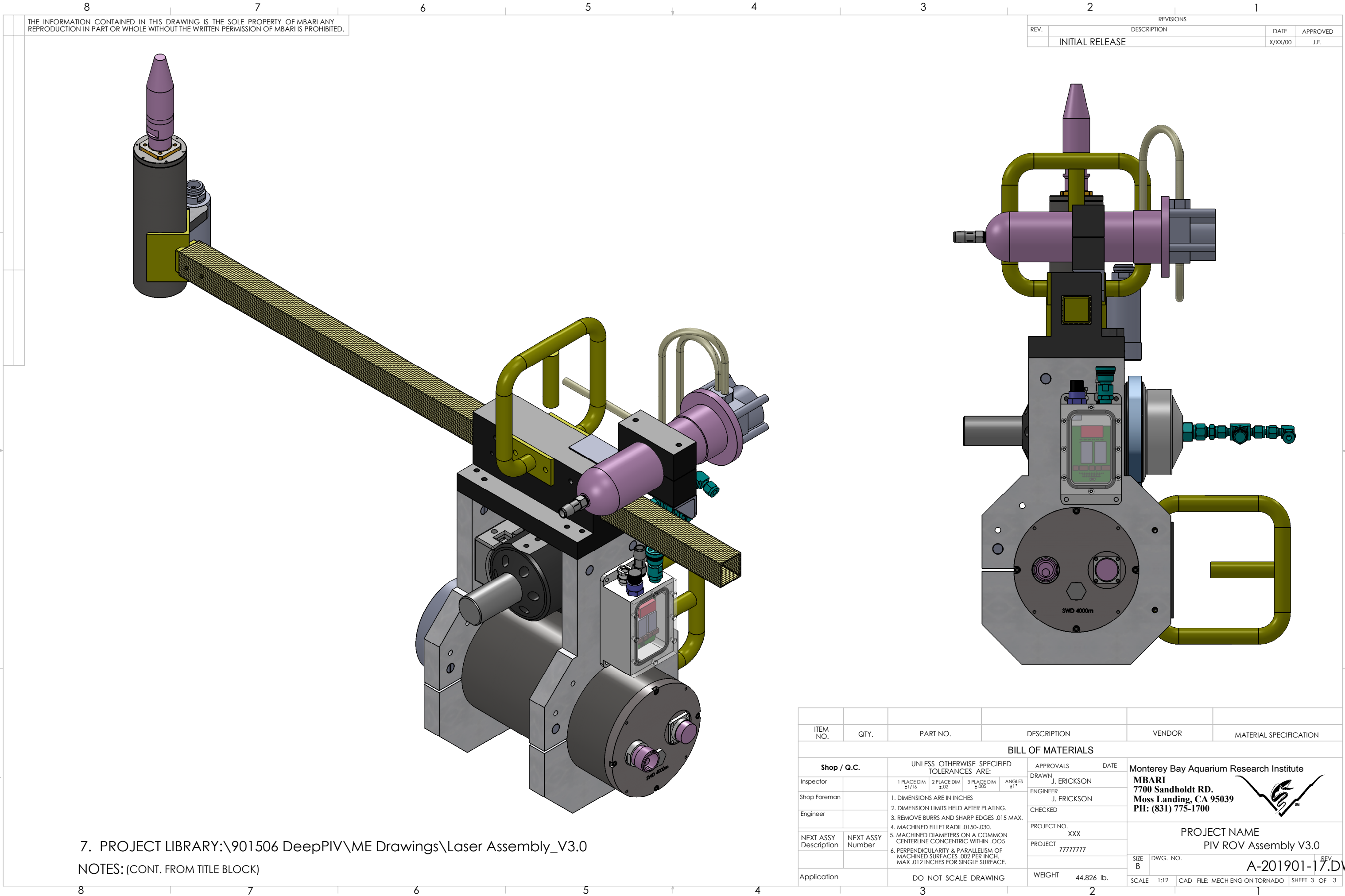
PIV LASER ASSEMBLY_V2

PIV ROV Assembly V3.0

CAD FILE: MECH ENG ON TORNADO

REV.

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\Laser Assembly_V3.0

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	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 
Shop Foreman		1. DIMENSIONS ARE IN INCHES		ENGINEER J. ERICKSON	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		CHECKED	
NEXT ASSY Description		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		PROJECT NO. XXX	
NEXT ASSY Number		4. MACHINED FILLET RADII .0150-.030.		PROJECT ZZZZZZZZ	
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		PROJECT NAME	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.		PIV ROV Assembly V3.0	
Application		DO NOT SCALE DRAWING		WEIGHT	44.826 lb.
				SIZE B	DWG. NO.
				A-201901-17.D	
				SCALE 1:12	CAD FILE: MECH ENG ON TORNADO
				SHEET 3 OF 3	

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PROJECT NAME
PIV ROV Assembly V3.0

A-201901-17.DWG

SHEET 3 OF 3