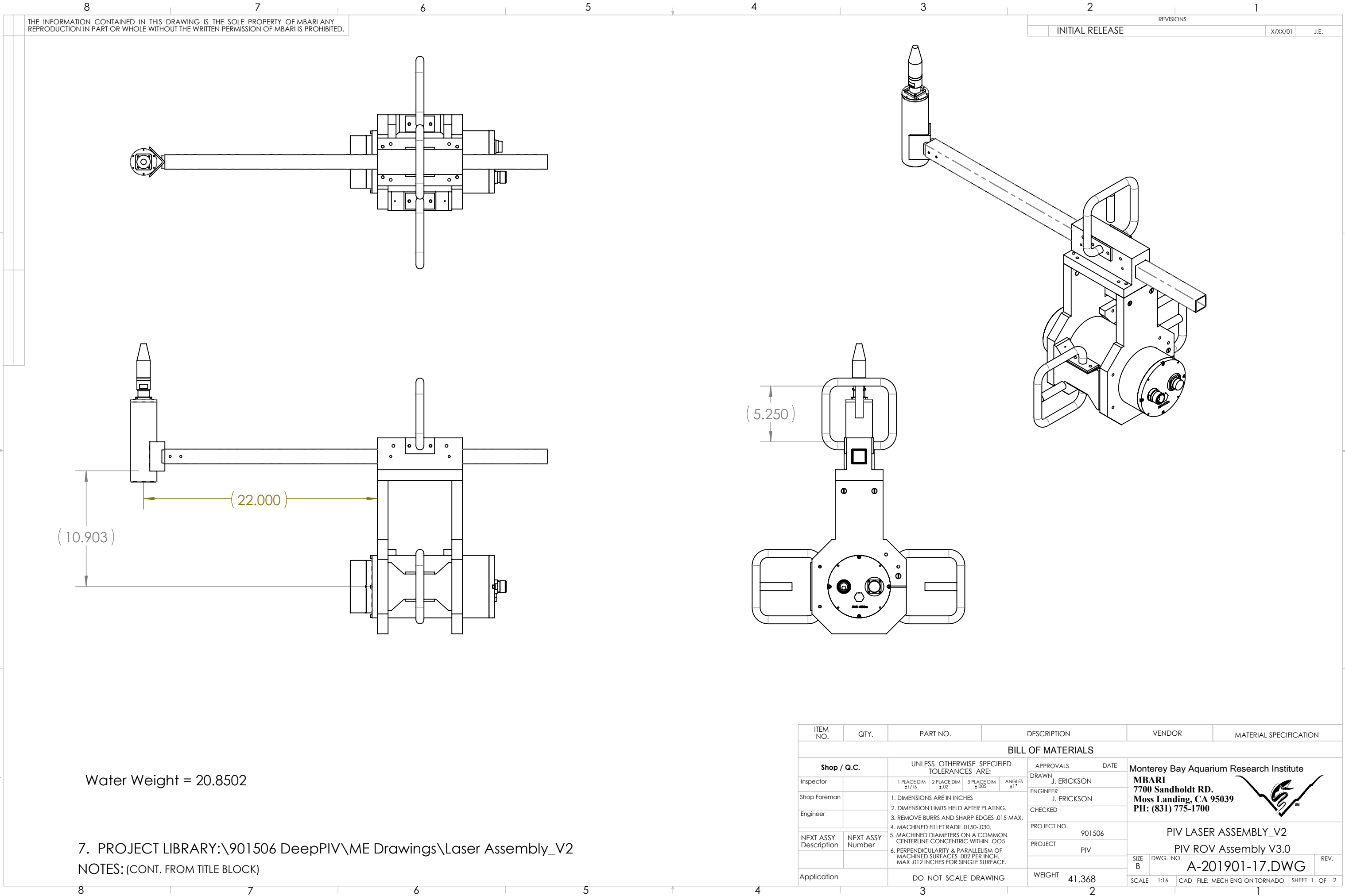




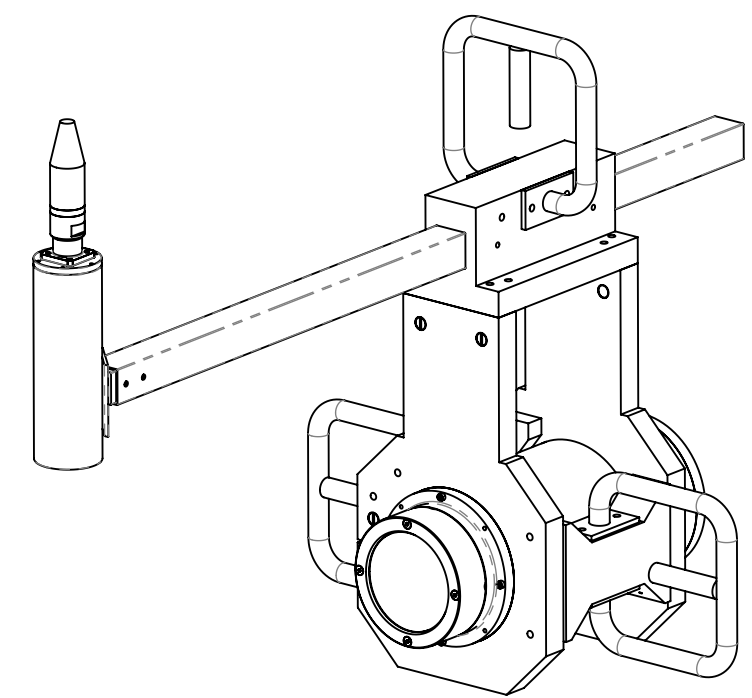
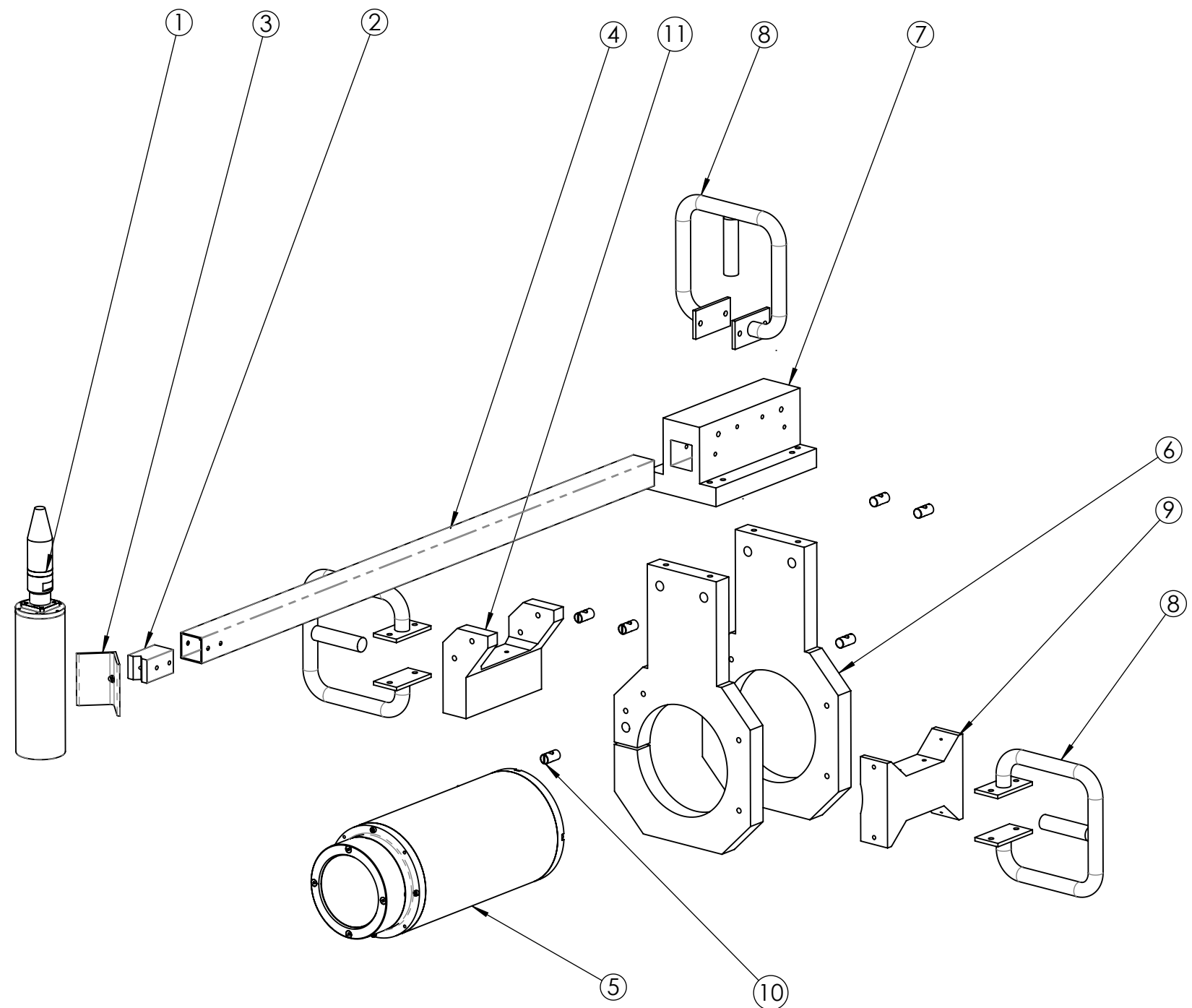
Water Weight = 20.8502

7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Laser Assembly_V2
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 41.368	
Application		DO NOT SCALE DRAWING		PIV LASER ASSEMBLY_V2	
				PIV ROV Assembly V3.0	
				A-201901-17.DWG	
				SCALE 1:16 CAD FILE: MECH ENG ON TORNADO SHEET 1 OF 2	

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



11	1	P-201926-17	Right Handle MOUNT		MBARI	POM Delrin (Black)
10	6		Barrel Nut		MBARI	
9	1	P-201823-17	Alternate Handle Mount V2		MBARI	POM Delrin (Black)
8	3	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	2	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		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_V2			
						PROJECT	PIV			PIV ROV Assembly V3.0			
										SIZE B	DWG. NO.	REV.	
										A-201901-17.DWG			
Application		DO NOT SCALE DRAWING				WEIGHT	41.368 lb.			SCALE 1:16	CAD FILE: MECH ENG ON TORNADO	SHEET 2	OF 2

7. PROJECT LIBRARY:\901506 DeepPIV\ME Drawings\Laser Assembly V2

NOTES: (CONT. FROM TITLE BLOCK)