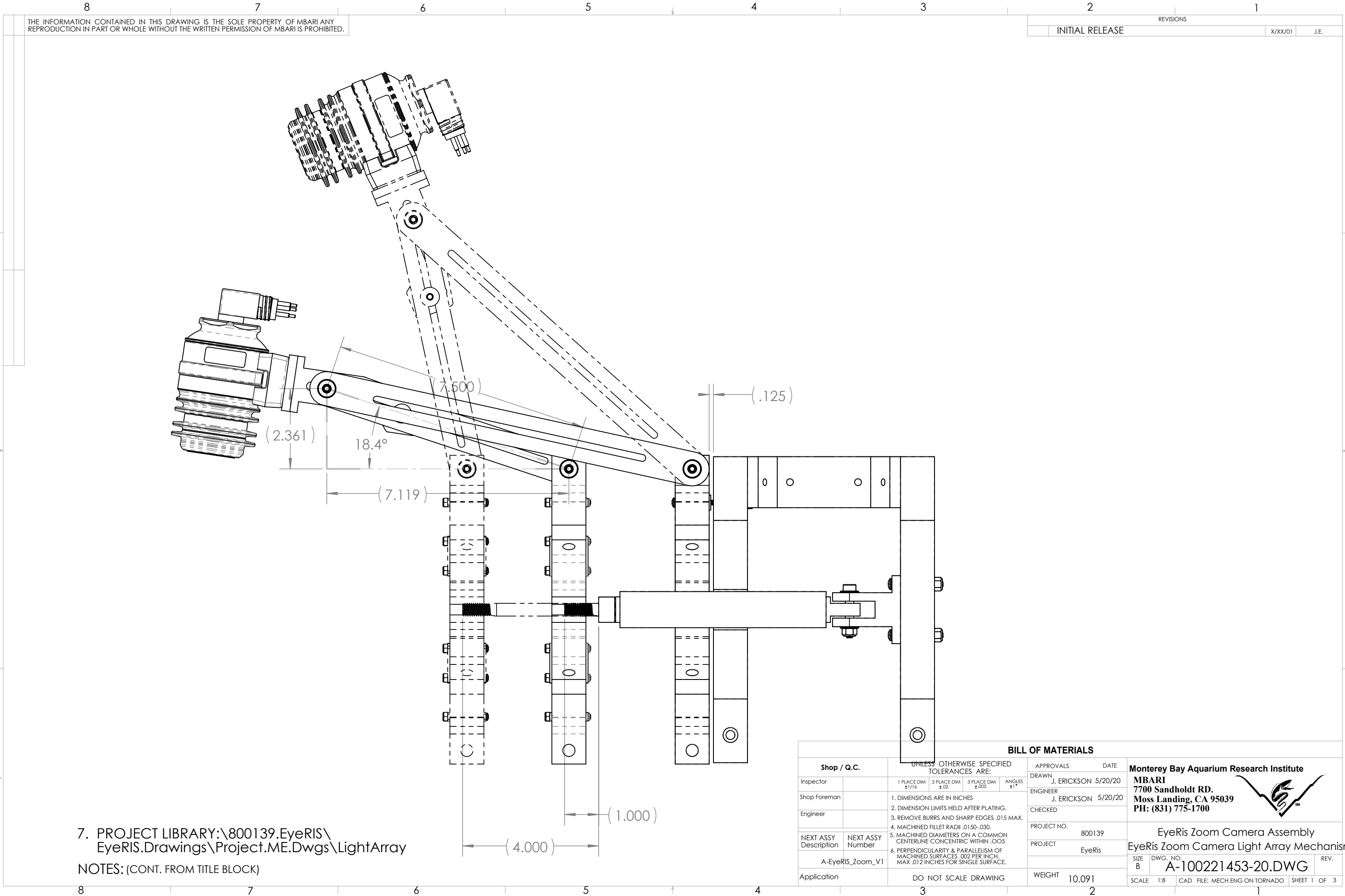


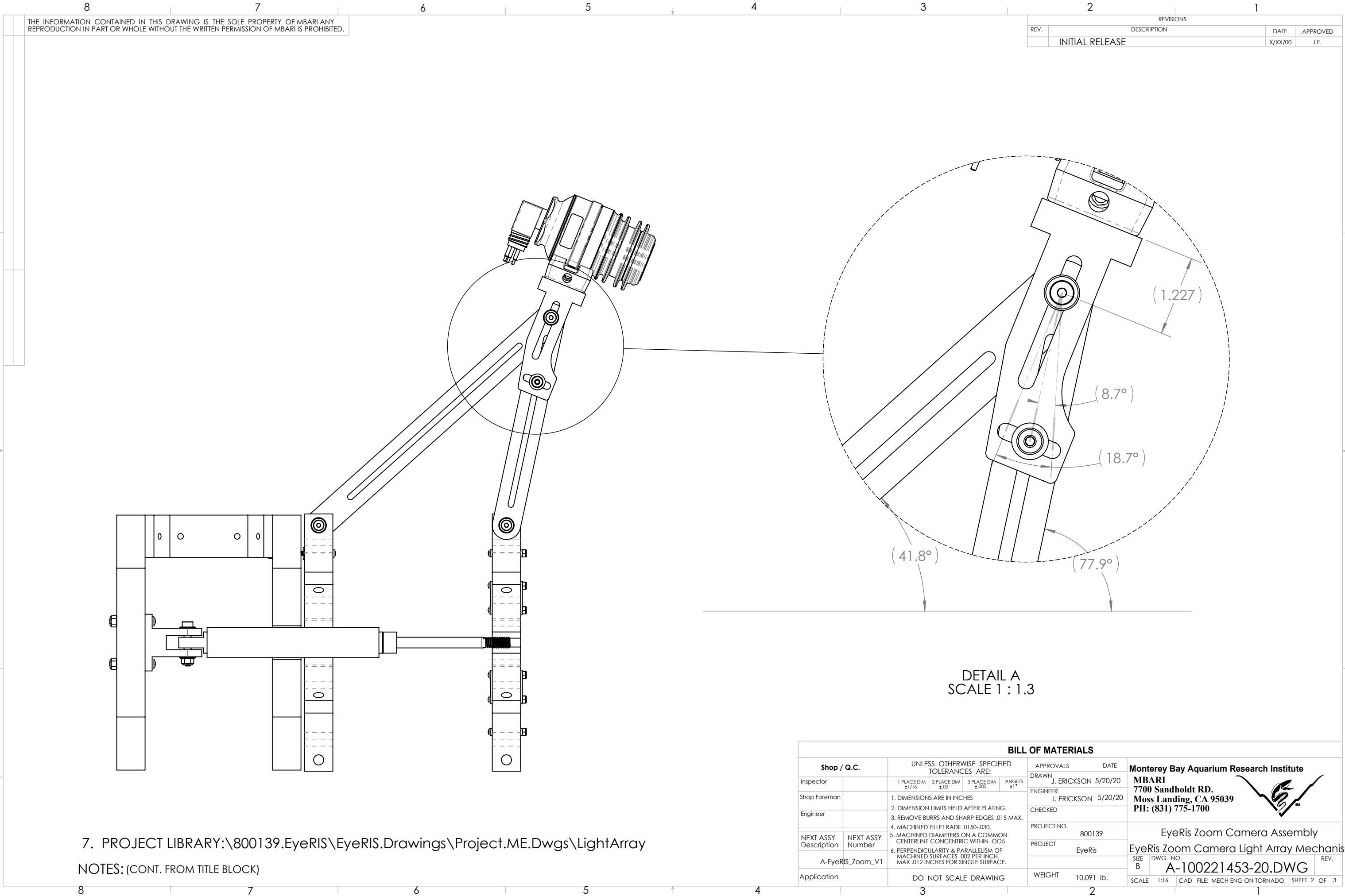


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.

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

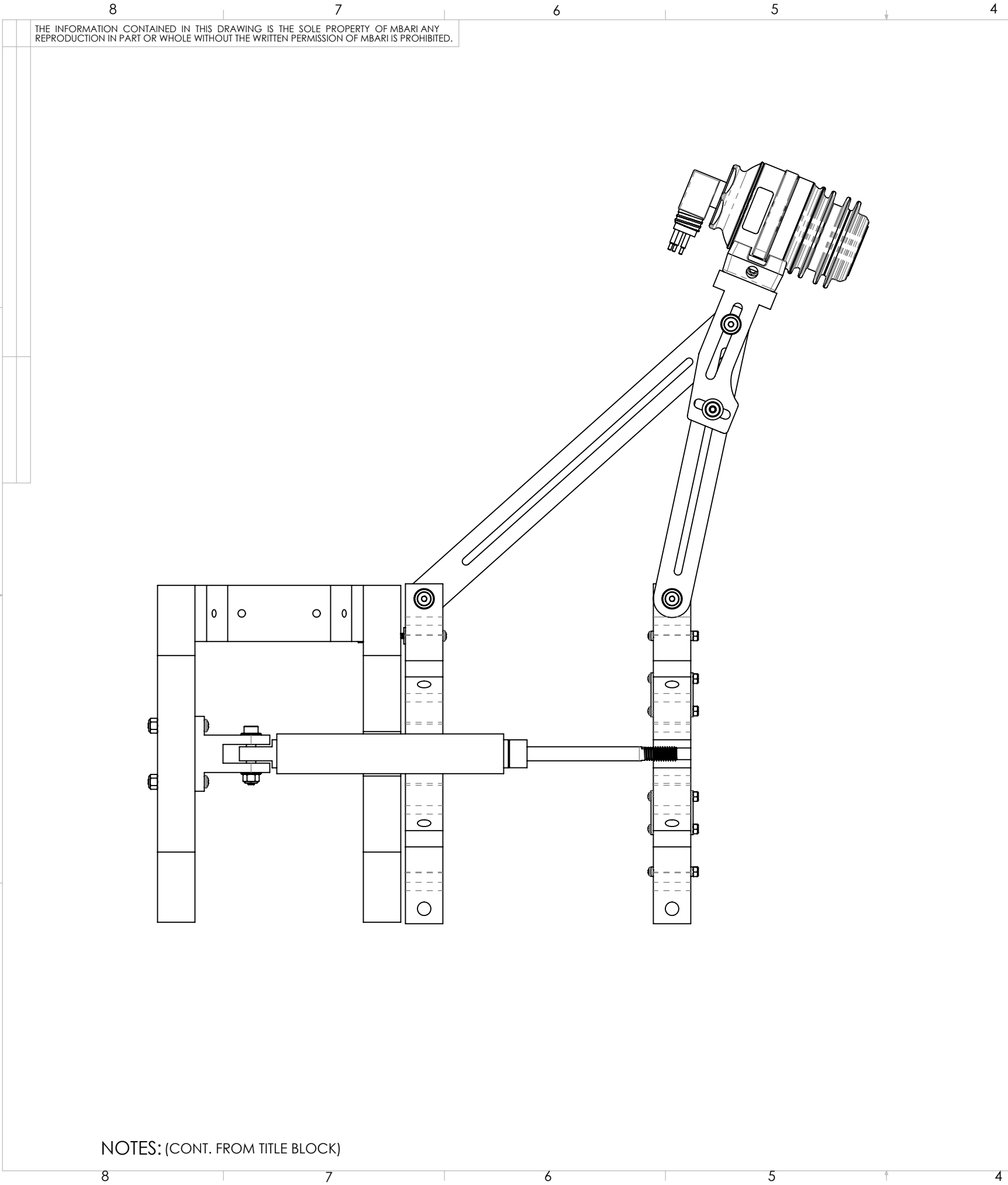
7. PROJECT LIBRARY:\800139.EyeRis\
EyeRis.Drawings\Project.ME.Dwgs\LightArray
NOTES: (CONT. FROM TITLE BLOCK)

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°	DRAWN	J. ERICKSON	5/20/20	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 
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	5/20/20	
Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	800139		EyeRis Zoom Camera Assembly EyeRis Zoom Camera Light Array Mechanism SHEET 1 OF 3
A-EyeRis_Zoom_V1						PROJECT	EyeRis		
Application		DO NOT SCALE DRAWING				WEIGHT	10.091		
		SCALE		1:8		CAD		FILE: MECH ENG ON TORNADO	



7. PROJECT LIBRARY:\800139.EyeRIS\EyeRIS.Drawings\Project.ME.Dwgs\LightArray

NOTES: (CONT. FROM TITLE BLOCK)



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

32	1	90715A007	#6-32 Nylok Nut		McMaster-Carr	AISI 316
31	1	95630A438	#6 Flat Washer		McMaster-Carr	PTFE (general)
30	1	91735A328	#6-32 x 2.5L Pan Hd Phill		McMaster-Carr	AISI 316
29	1	P-201823-20	Alternate Handle Mount V2		MBARI	POM Delrin (Black)
28	4	90715A009	#8-32 Nylok Nut		McMaster-Carr	AISI 316
27	4	91735A208	#8-32 x 1.5L Pan Hd Phill		McMaster-Carr	AISI 316
26	1	90715A115	#10-32 Nylok Nut		McMaster-Carr	AISI 316
25	1	94035A185	1/4 x 1.125-10-32 Sloulder Screw			AISI 304
24	2		XXXXXXXXXX			
23	2					
22	2					
21	1	P-201803-20	Camera Bracket V2_EyeRis		MBARI	PE UHMW
20	1	P-201803-20	Camera Bracket V2_EyeRis_Cutouts		MBARI	PE UHMW
19	1	90909A525	#10-32x1.0 Fing Button Hd		McMaster-Carr	AISI 316
18	3	95630A455	#10 PTFE Flat Washer		McMastr-Carr	PTFE (general)
17	6	P-100221460-20	SeaLight Bracket		MBARI	6061-T6 Alloy
16	6					
15	6					
14	1	94035A546	1/4 x 1.5L #10-32 Shoulder Screw		McMaster-Carr	AISI 304
13	1	95136A250	1/4 Bore Spacer		McMaster-Carr	PTFE (general)
12	2	94035A184	1/4 x .875L #10-32 Shoulder Screw		McMaster-Carr	AISI 304
11	6	P-100221457-20	Ligght Array Mechanism Long Arm		MBARI	6061-T6 Alloy
10	15	93835A360	Flange Shoulder Washer		McMaster-Carr	PTFE (general)
9	6	100221458-20	Light Array Short Arm		MBARI	6061-T6 Alloy
8	12	90715A005	#4-40 NYLOK Nut		McMaster-Carr	AISI 316
7	12	91735A302	#4-40 x 1-1/4L Pan Hd Phill		McMaster-Carr	AISI 316
6	12	P-100221456-20	Roller Retainer Plate		MBARI	AISI 316
5	6	7521T31	Turcite-X Plastic Rod Roller		McMaster-Carr	Material <not specified>
4	6	97395A403	1/16 Dia. Dowel Pin		McMaster-Carr	AISI 316
3	6	P-100221454-20	EyeRis Light Array Roller Mount		MBARI	AISI 316
2	1	P-100221455-20	6 Leg Spider Light Array Bracket V3		MBARI	POM Acetal Copolymer
1	1	P-100221459-20	Spider Bracket V3_Clamped		MBARI	POM Acetal Copolymer

ITEM NO.	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	5/20/20
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	5/20/20
Engineer					CHECKED	
NEXT ASSY Description	NEXT ASSY Number				PROJECT NO. 800139	
					PROJECT EyeRis	
Application		DO NOT SCALE DRAWING			WEIGHT 10.091 lb.	

Monterey Bay Aquarium Research Institute				
MBARI				
7700 Sandholdt RD.				
Moss Landing, CA 95039				
PH: (831) 775-1700				
EyeRis Zoom Camera Assembly				
EyeRis Zoom Camera Light Array Mechanism				
SIZE B	DWG. NO. A-100221453-20.DWG	REV.		
SCALE 1:16	CAD FILE: MECH ENG ON TORNADO	SHEET 3	OF 3	