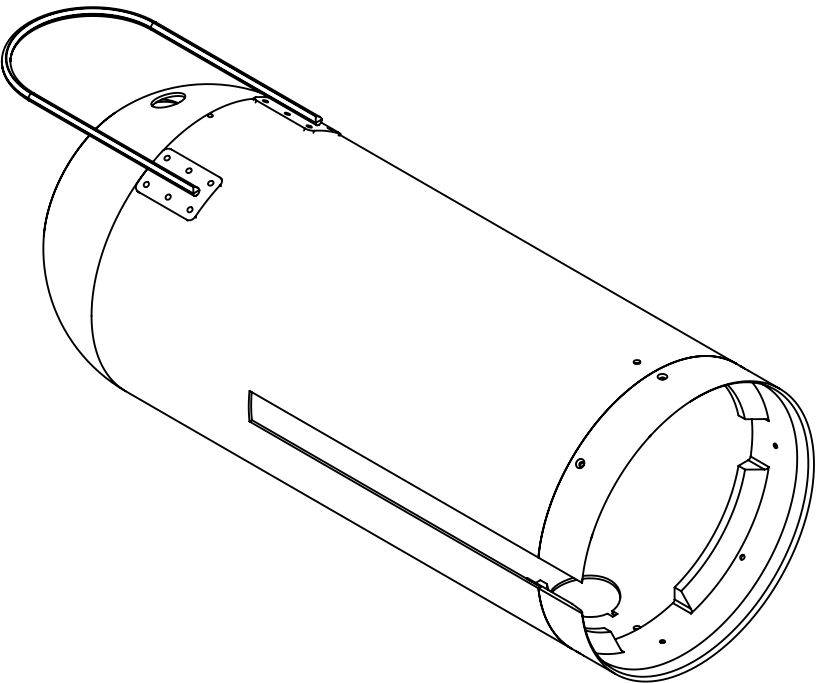
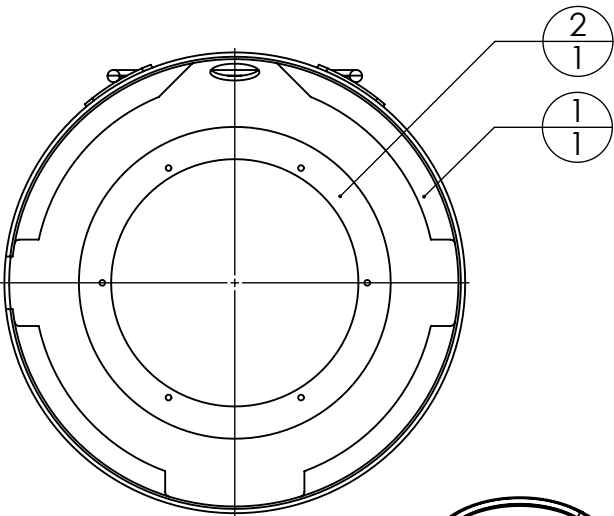
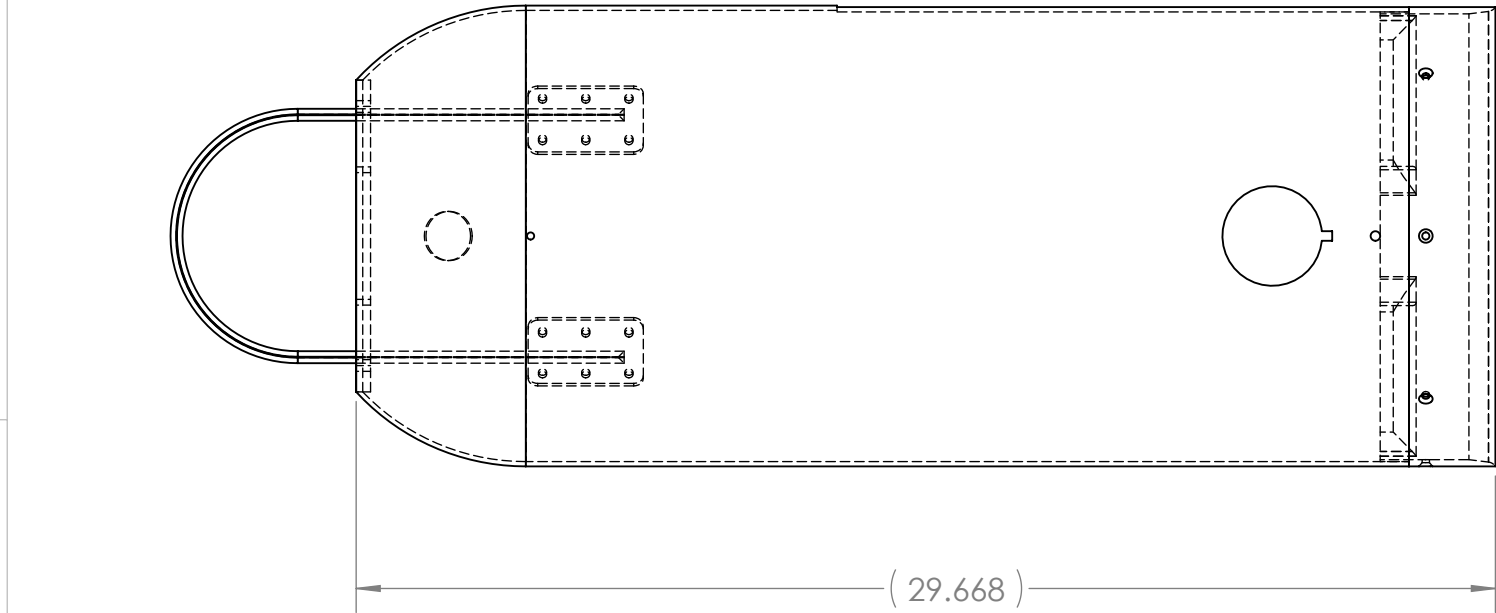
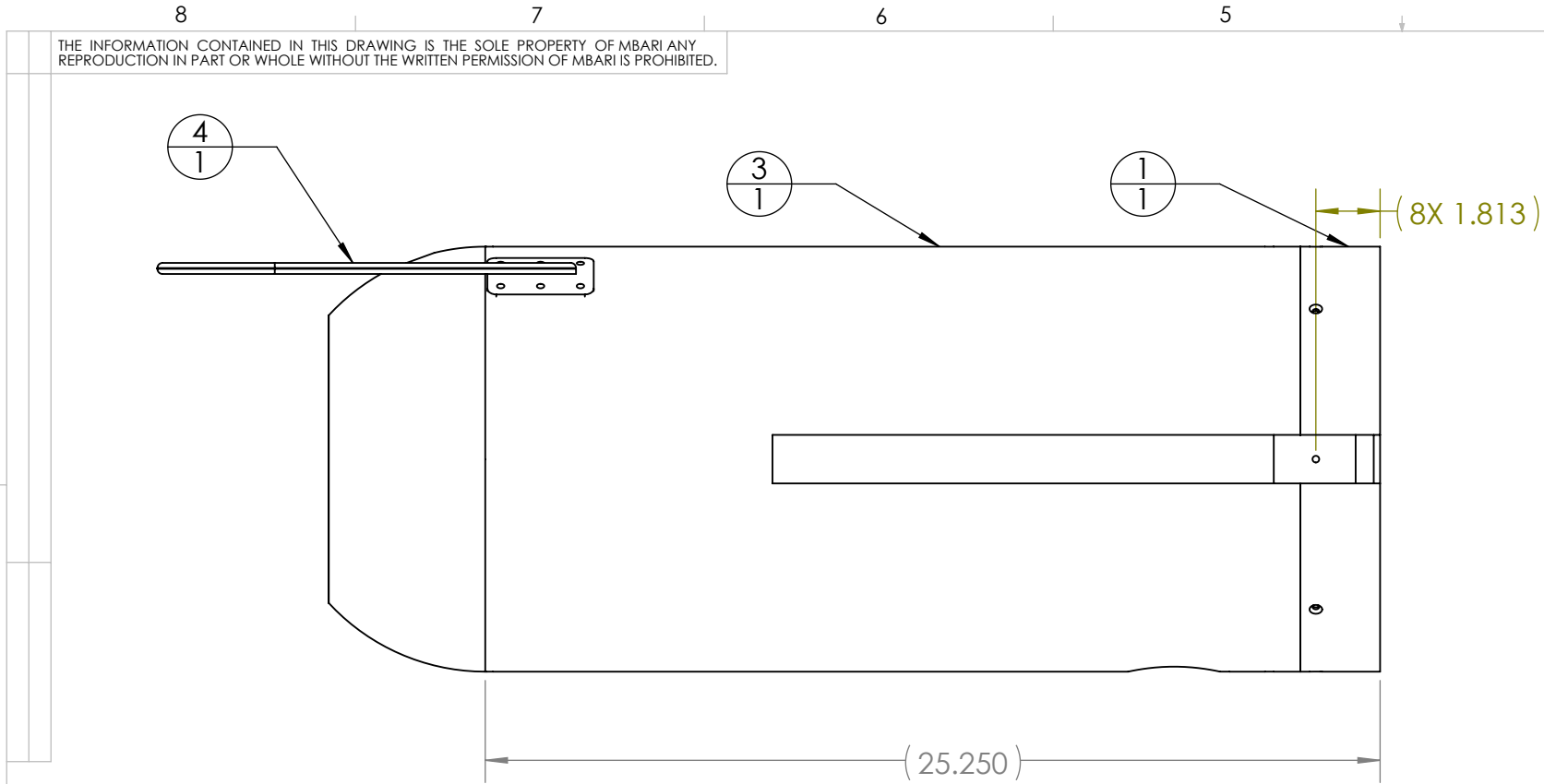




4	1	A-201931-17	CANON Mod'd Bail Assem/Weldment		MBARI	
3	1	P-200516-08	Intermediate Nose Shell MIVEGA	B	MBARI	Generic Carbon Epoxy
2	1	P-201142-11	Turbulence G-10 Mount Ring		MBARI	G-10 Fiberglass Epoxy Laminate Sheet
1	1	P-200514-17	Bonded mount ring - Nose Shell	E	MBARI	G-10 Fiberglass
ITEM NO.	QTY.	Part_Number	DESCRIPTION	Revision	Vendor	MATERIAL

BILL OF MATERIALS						
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	DATE	DATE
Shop Foreman		1. DIMENSIONS ARE IN INCHES		ANGLES ±1°	DRAWN	J. ERICKSON 12/04/17
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.			ENGINEER	J. ERICKSON 12/04/17
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.			CHECKED	xx/xx/14
		4. MACHINED FILLET RADII .0150-.030.			PROJECT NO.	900739
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005			PROJECT	LRAUV
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.			WEIGHT	13.119 lb.
Application		DO NOT SCALE DRAWING				
					Monterey Bay Aquarium Research Institute	
					MBARI	
					7700 Sandholdt RD.	
					Moss Landing, CA 95039	
					PH: (831) 775-1700	
					TETHYS - LRAUV	
					PAYLOAD Nose Shell Assembly_V2	
					SIZE B	DWG. NO. A-201951-17.DWG
					SCALE 1:4	CAD FILE: MECH ENG ON TORNADO SHEET 1 OF 3

9.

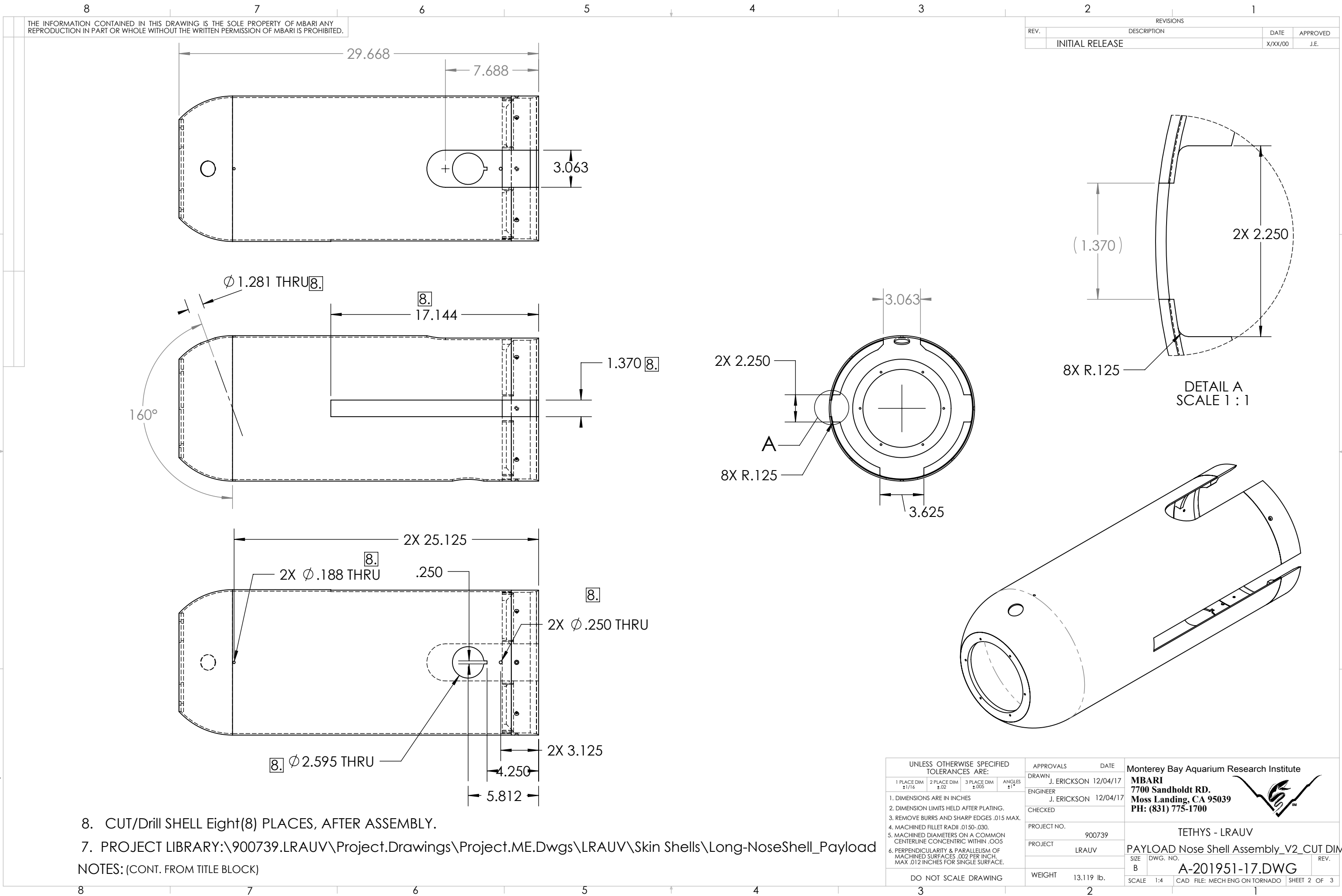
8. "REAL WT. = 2.48 kg. (dry), 0.690 kg. (wet).

7. PROJECT LIBRARY:\900739.LRAUV\Project.Drawings\Project.ME.Dwgs\LRAUV\Skin Shells\Long-NoseShell_Payload

NOTES: (CONT. FROM TITLE BLOCK)

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REVISIONS				
INITIAL RELEASE			X/XX/01	J.E.
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ADDED SHEET 2 of 2 w/ ALL CUTS	6/14/2010	J.E.



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.

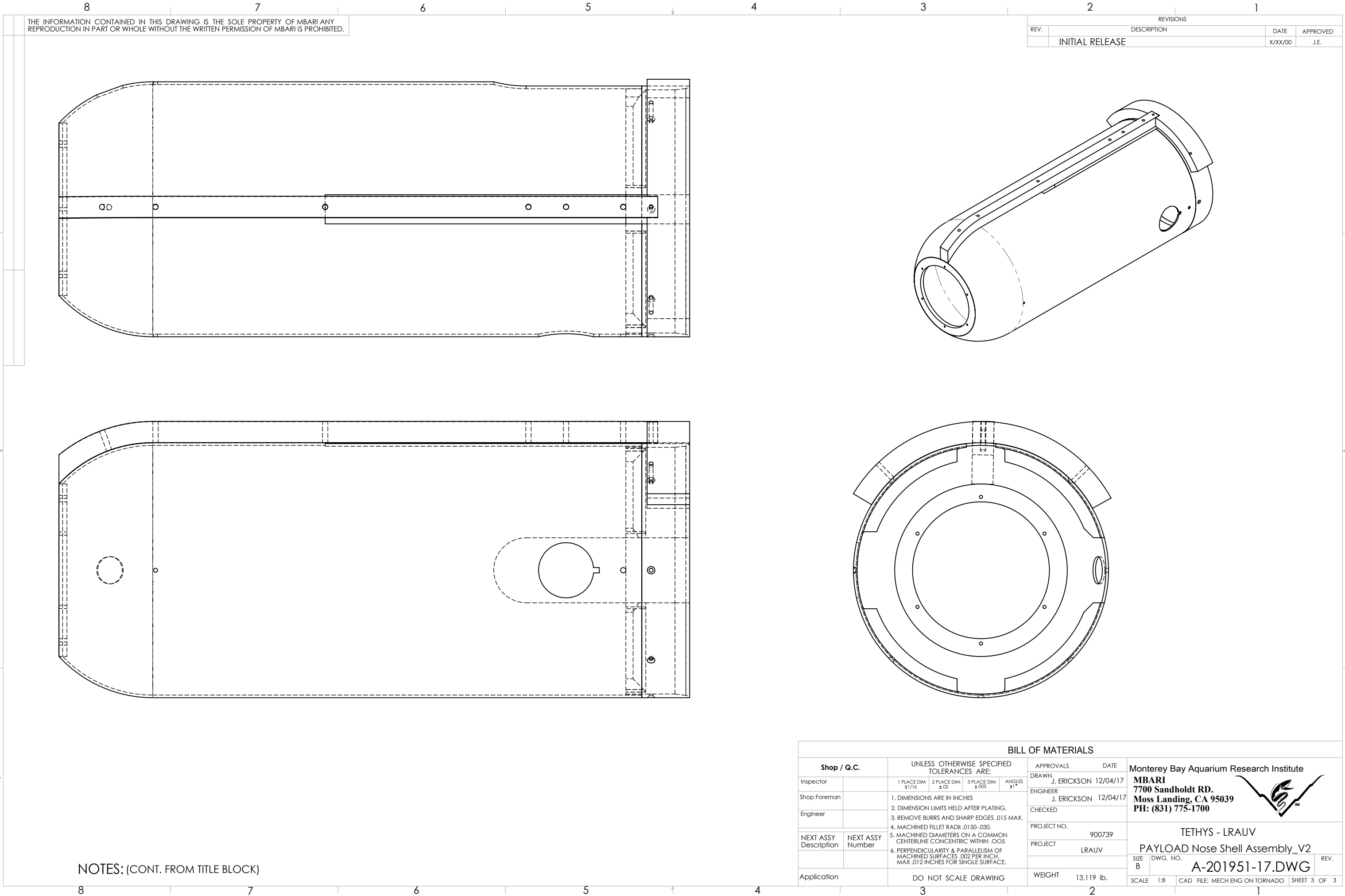
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.

8. CUT/Drill SHELL Eight(8) PLACES, AFTER ASSEMBLY.

7. PROJECT LIBRARY:\900739.LRAUV\Project.Drawings\Project.ME.Dwgs\LRAUV\Skin Shells\Long-NoseShell_Payload

NOTES: (CONT. FROM TITLE BLOCK)

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	Monterey Bay Aquarium Research Institute		
1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON	12/04/17	MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700		
1. DIMENSIONS ARE IN INCHES				ENGINEER	J. ERICKSON	12/04/17			
2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED					
3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.		900739	TETHYS - LRAUV		
4. MACHINED FILLET RADII .015-.030.				PROJECT		LRAUV	PAYLOAD Nose Shell Assembly_V2_CUT DIM'S		
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				WEIGHT		13.119 lb.	SIZE B	DWG. NO. A-201951-17.DWG	REV.
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				DO NOT SCALE DRAWING			SCALE 1:4	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.

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	12/04/17		
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	12/04/17		
Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	900739	TETHYS - LRAUV PAYLOAD Nose Shell Assembly_V2 SIZE B DWG. NO. A-201951-17.DWG	
						PROJECT	LRAUV		
Application		DO NOT SCALE DRAWING				WEIGHT	13.119 lb.	SCALE 1:8	CAD FILE: MECH ENG ON TORNADO SHEET 3 OF 3