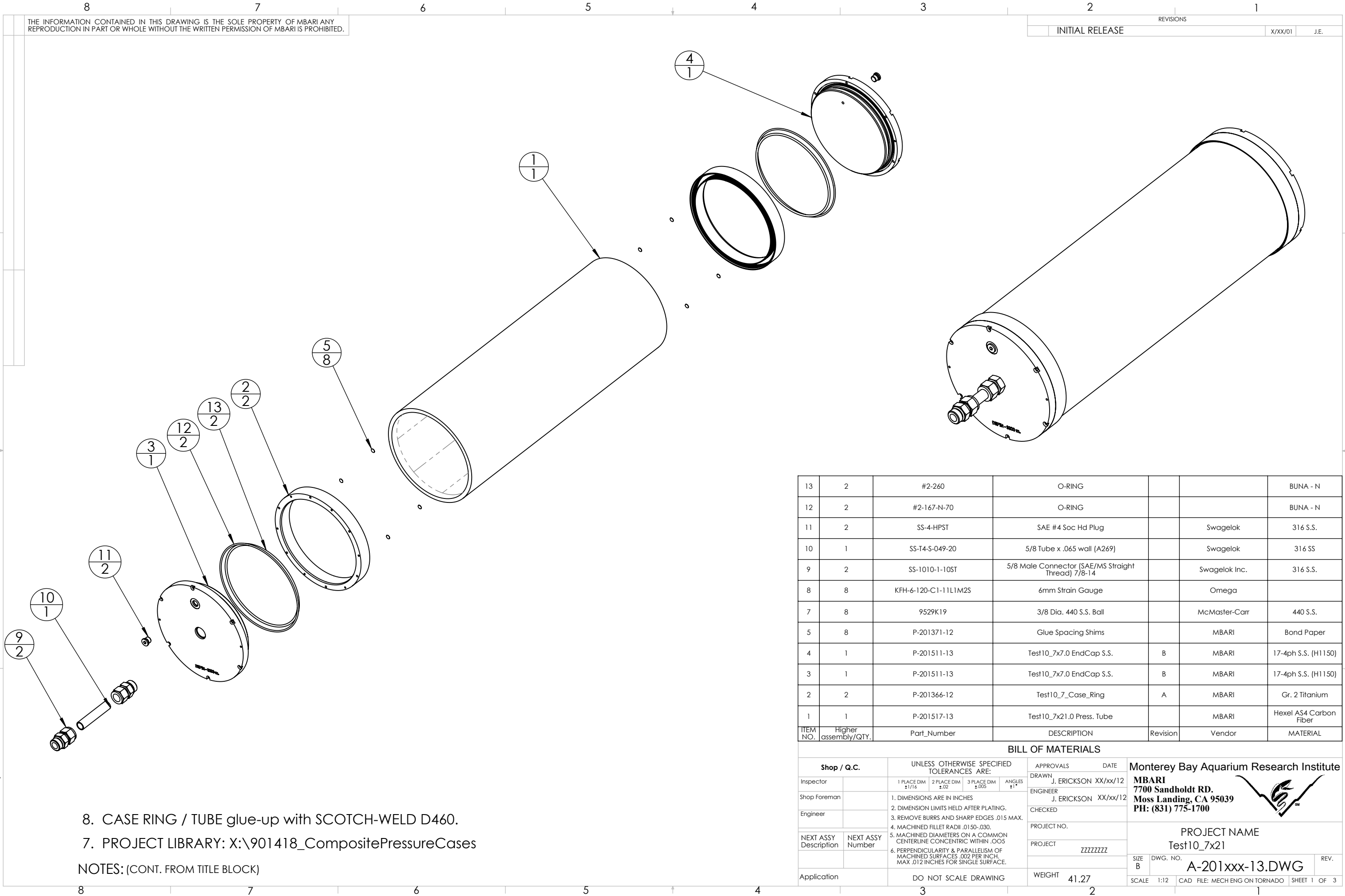




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REVISIONS		
INITIAL RELEASE	X/XX/01	J.E.

13	2	#2-260	O-RING			BUNA - N
12	2	#2-167-N-70	O-RING			BUNA - N
11	2	SS-4-HPST	SAE #4 Soc Hd Plug		Swagelok	316 S.S.
10	1	SS-T4-S-049-20	5/8 Tube x .065 wall (A269)		Swagelok	316 SS
9	2	SS-1010-1-10ST	5/8 Male Connector (SAE/MS Straight Thread) 7/8-14		Swagelok Inc.	316 S.S.
8	8	KFH-6-120-C1-11L1M2S	6mm Strain Gauge		Omega	
7	8	9529K19	3/8 Dia. 440 S.S. Ball		McMaster-Carr	440 S.S.
5	8	P-201371-12	Glue Spacing Shims		MBARI	Bond Paper
4	1	P-201511-13	Test10_7x7.0 EndCap S.S.	B	MBARI	17-4ph S.S. (H1150)
3	1	P-201511-13	Test10_7x7.0 EndCap S.S.	B	MBARI	17-4ph S.S. (H1150)
2	2	P-201366-12	Test10_7_Case_Ring	A	MBARI	Gr. 2 Titanium
1	1	P-201517-13	Test10_7x21.0 Press. Tube		MBARI	Hexel AS4 Carbon Fiber
ITEM NO.	Higher assembly/QTY.	Part_Number	DESCRIPTION	Revision	Vendor	MATERIAL

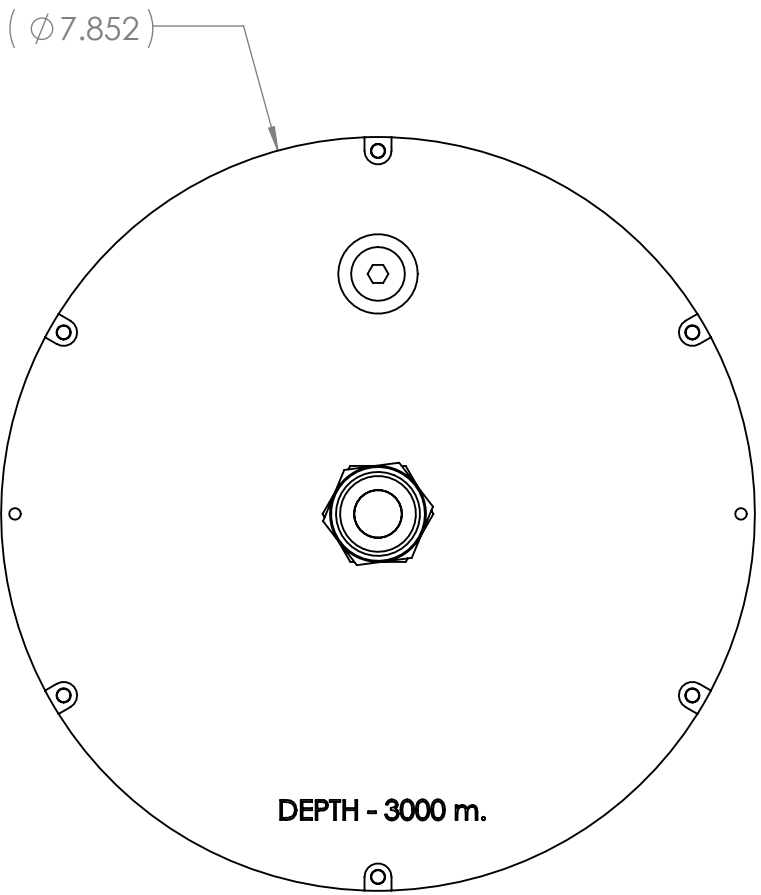
BILL OF MATERIALS

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute					
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON		XX/xx/12		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		XX/xx/12						
Engineer						CHECKED									
										PROJECT NO.					
NEXT ASSY Description	NEXT ASSY Number									PROJECT				ZZZZZZZZ	
Application		DO NOT SCALE DRAWING				WEIGHT		41.27		PROJECT NAME Test10_7x21					
						SIZE B		DWG. NO.		A-201xxx-13.DWG		REV.			
						SCALE 1:12		CAD FILE: MECH ENG ON TORNADO		SHEET 1 OF 3					

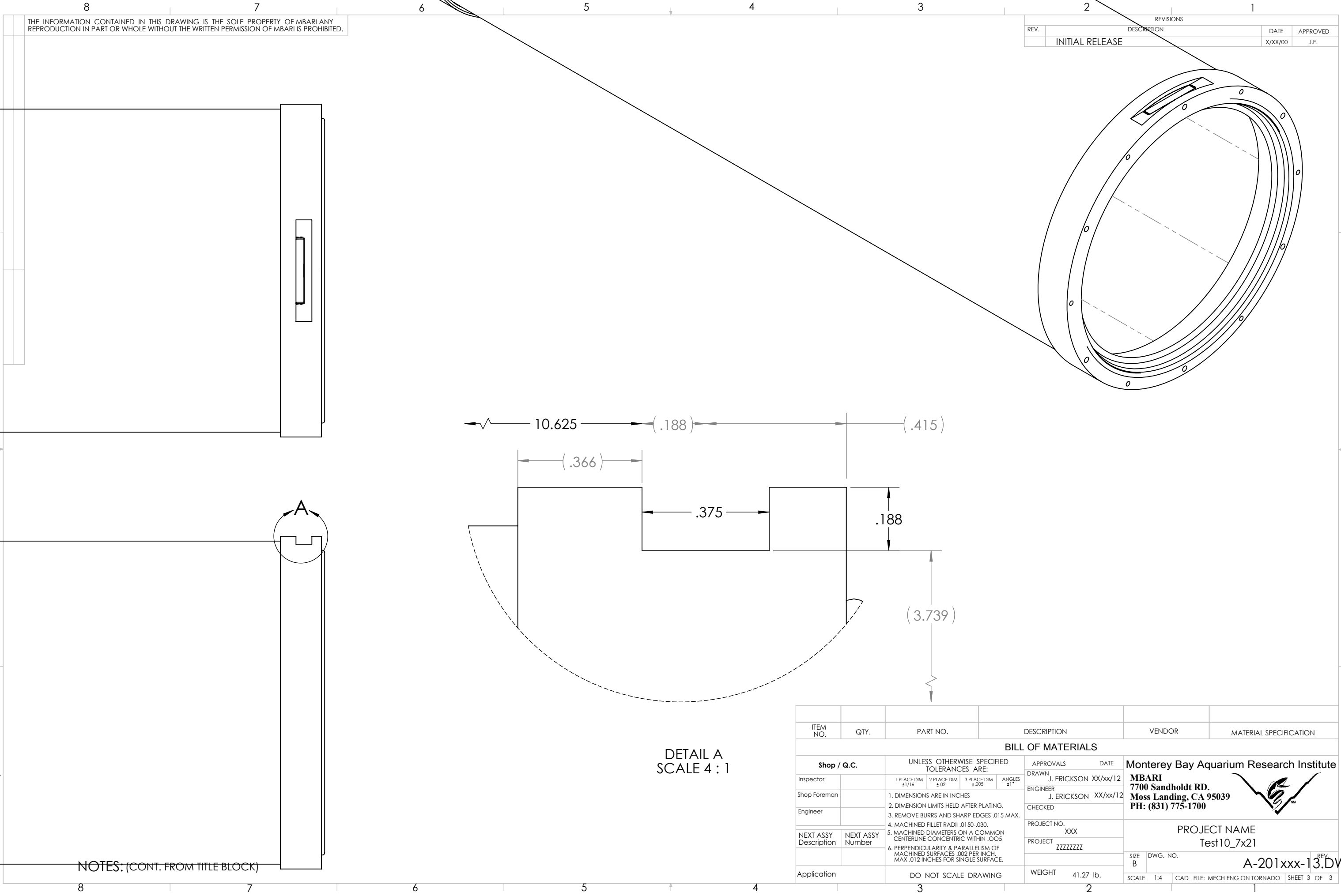
8. CASE RING / TUBE glue-up with SCOTCH-WELD D460.
7. PROJECT LIBRARY: X:\901418_CompositePressureCases

NOTES: (CONT. FROM TITLE BLOCK)

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

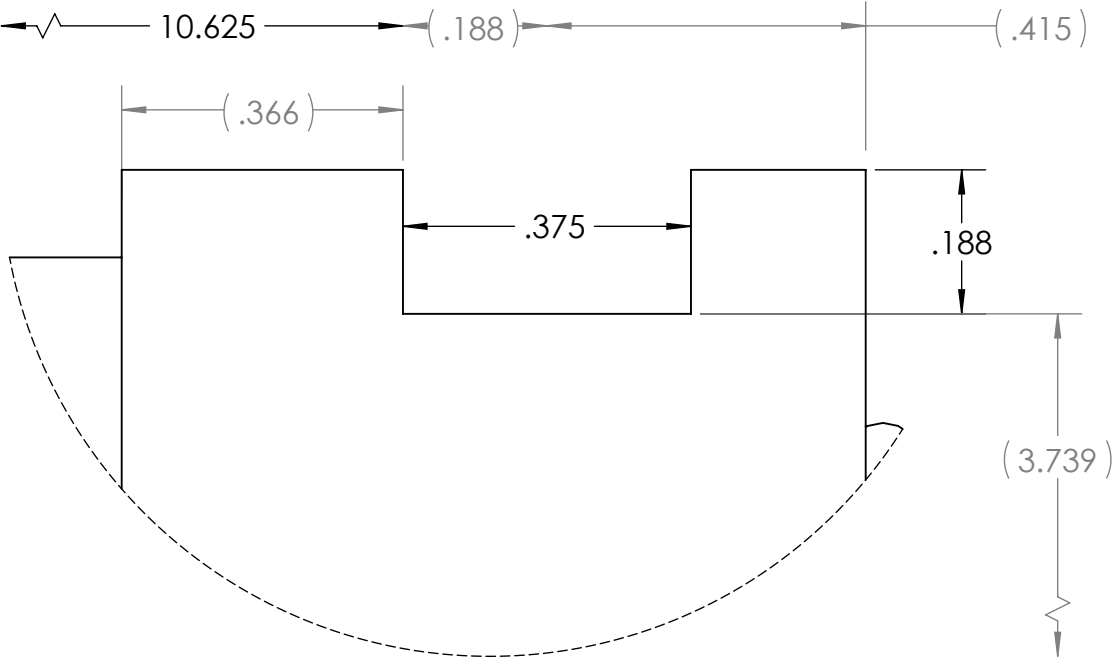


BILL OF MATERIALS												
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS DATE		Monterey Bay Aquarium Research Institute					
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN J. ERICKSON XX/xx/12	MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (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 WITH .005 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH MAX. .012 INCHES FOR SINGLE SURFACE.				ENGINEER J. ERICKSON XX/xx/12	PROJECT NAME Test10_7x21					
Engineer						CHECKED				PROJECT NO. XXX PROJECT ZZZZZZZZ		
NEXT ASSY Description	NEXT ASSY Number											
Application		DO NOT SCALE DRAWING				WEIGHT 41.27 lb.		SIZE B DWG. NO. A-201xxx-13.DWG SCALE 1:12 CAD FILE: MECH ENG ON TORNADO SHEET 2 OF 3 REV.				



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



DETAIL A
SCALE 4 : 1

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°	DRAWN J. ERICKSON XX/xx/12		
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 XX/xx/12		
Engineer						CHECKED		
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO. XXX		
						PROJECT ZZZZZZZZ		
						PROJECT NAME Test10_7x21		
						SIZE B	DWG. NO.	REV
						A-201xxx-13.DWG		
Application		DO NOT SCALE DRAWING				WEIGHT	41.27 lb.	
						SCALE	1:4	CAD FILE: MECH ENG ON TORNADO
						SHEET 3 OF 3		

Monterey Bay Aquarium Research Institute
MBARI
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700



PROJECT NAME
Test10_7x21

A-201xxx-13.DWG