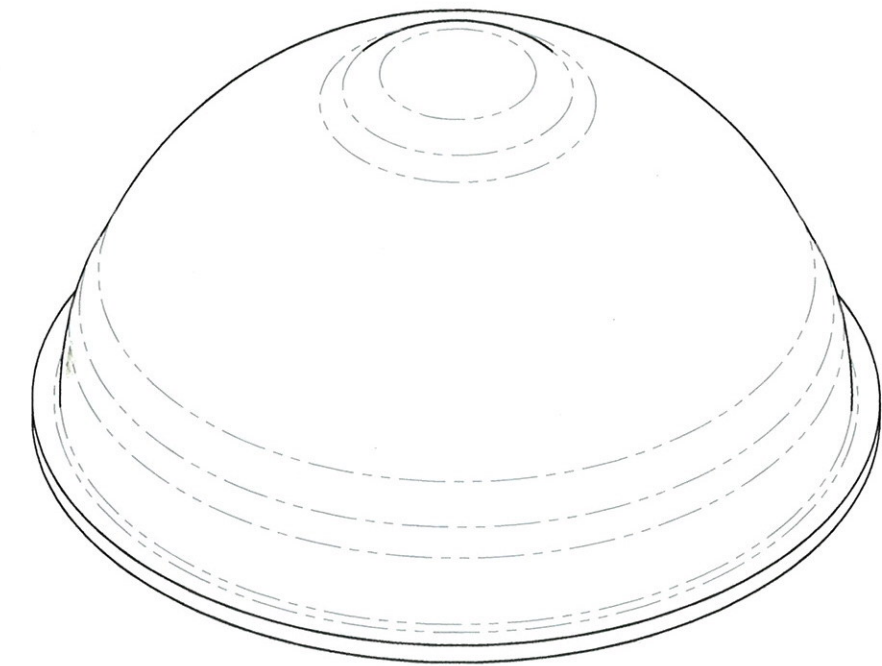
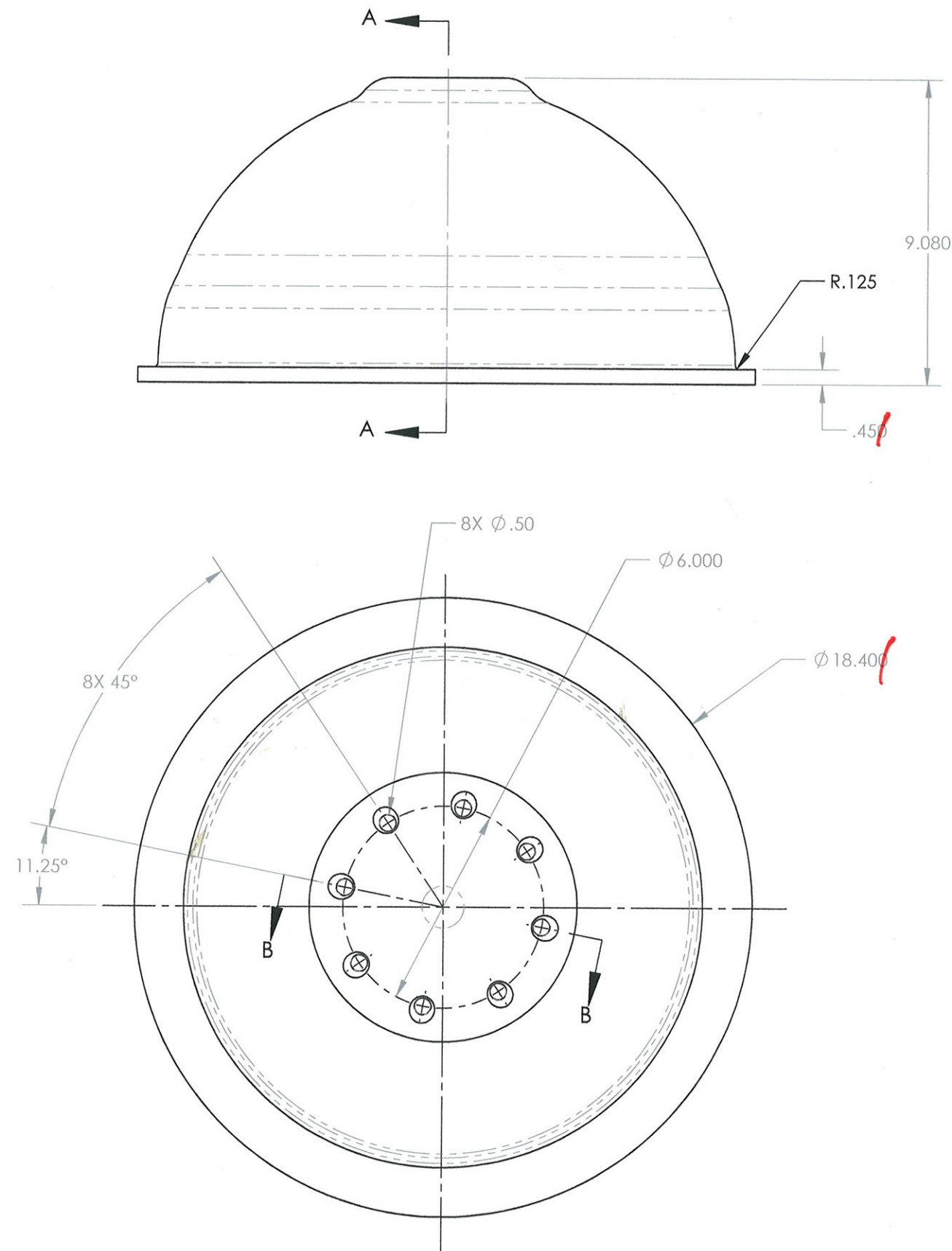


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.

REV.		REVISIONS	DATE	APPROVED
INITIAL RELEASE				

NOTES:

1. MATERIAL IS GR 5 AS CAST TITANIUM, MIN YIELD 120 KSI
2. BREAK ALL SHARP EDGES
3. APPLICABLE STANDARDS/SPECIFICATIONS:
ANSI Y14.5M-1994, DIMENSIONS AND TOLERANCES
MIL-STD-12, ABBREVIATIONS.
4. PART IS SYMMETRIC ABOUT CENTERLINE
5. WEIGHT: 47.8 LBS DRY

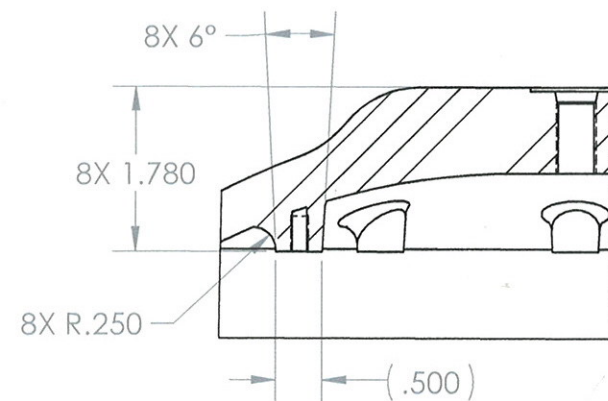
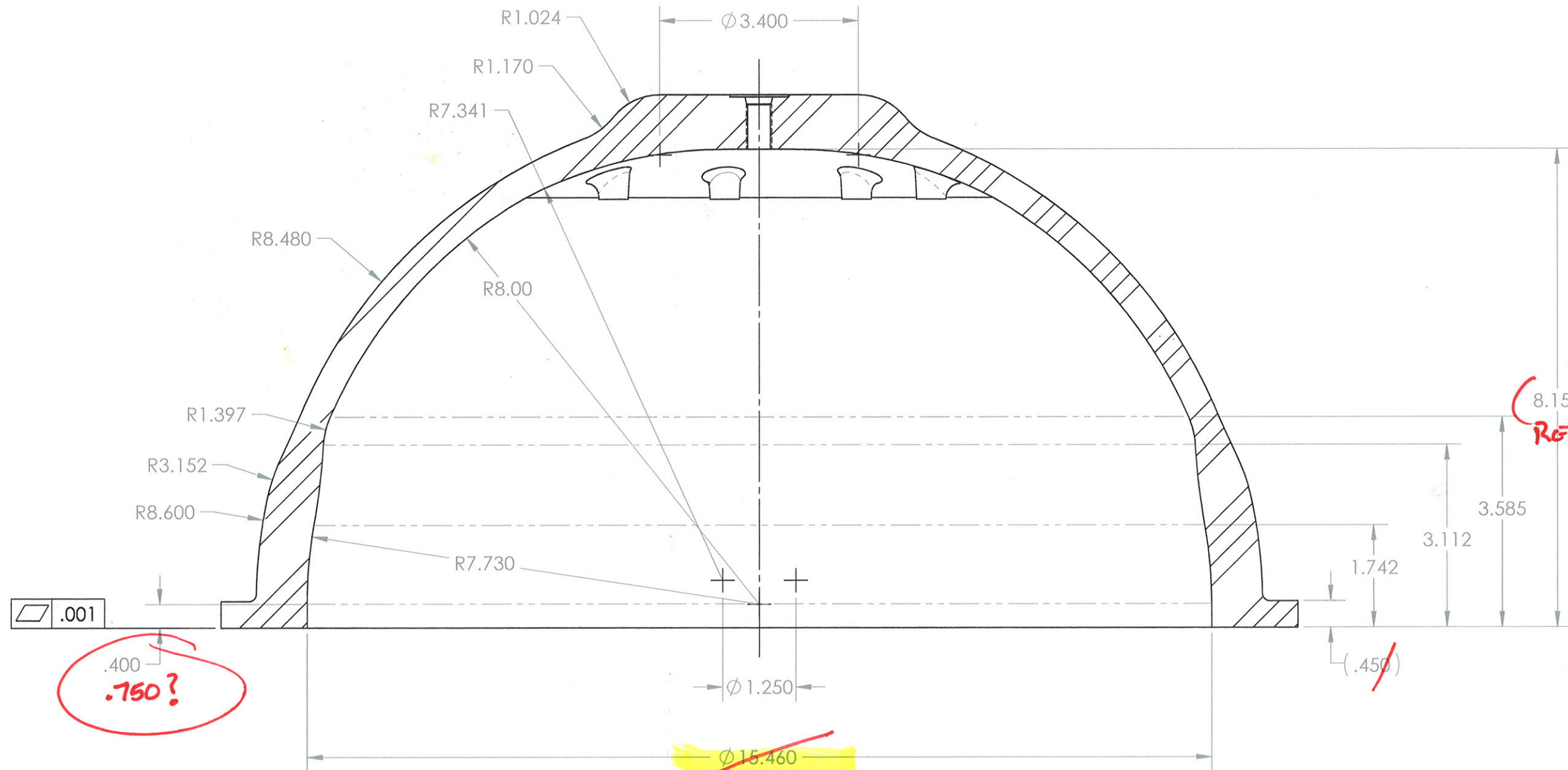


DATE: 1/17/12

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	Monterey Bay Aquarium Research Institute	
Inspector		1 PLACE DIM $\pm .1/16$	2 PLACE DIM $\pm .02$	3 PLACE DIM $\pm .005$	ANGLES $\pm 1'$	DRAWN	M. GREISE	11/30/11	MBARI	
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	M. GREISE	11/30/11	7700 Sandholdt RD.	
Engineer						CHECKED			Moss Landing, CA 95039	
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.			PH: (831) 775-1700	
Application						PROJECT	4K SPHERE		HEMISPHERE, 6K SPHERICAL HOUSING	
		DO NOT SCALE DRAWING		WEIGHT		SIZE	B	DWG. NO.	1001103DWG	REV.
						SCALE	1:4	CAD FILE: MECH ENG ON TORNADO	SHEET 1 OF 2	

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.

REV.	DESCRIPTION	DATE	APPROVED
1	INITIAL RELEASE		



SECTION B-B
SCALE 1 : 2

SECTION A-A
SCALE 1 : 2

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	M. GREISE	11/30/11		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	M.GREISE	11/30/11							
Engineer								CHECKED									
NEXT ASSY Description								PROJECT NO.									
NEXT ASSY Number								PROJECT	4K SPHERE								
Application				DO NOT SCALE DRAWING				WEIGHT				SIZE B	DWG. NO.	1001102DWG	REV.		
				3					2					SCALE 1:5	CAD FILE: MECH ENG ON TORNADO	SHEET 2 OF 2	1