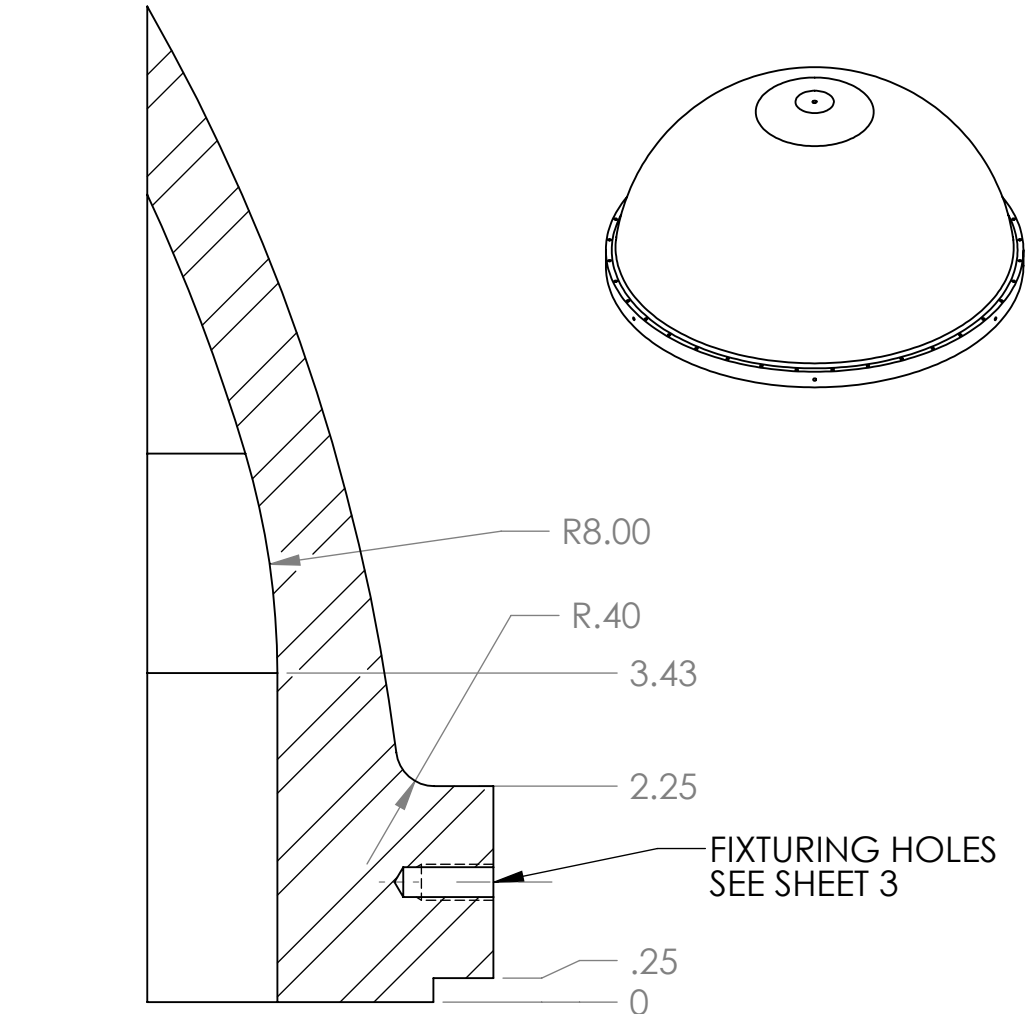
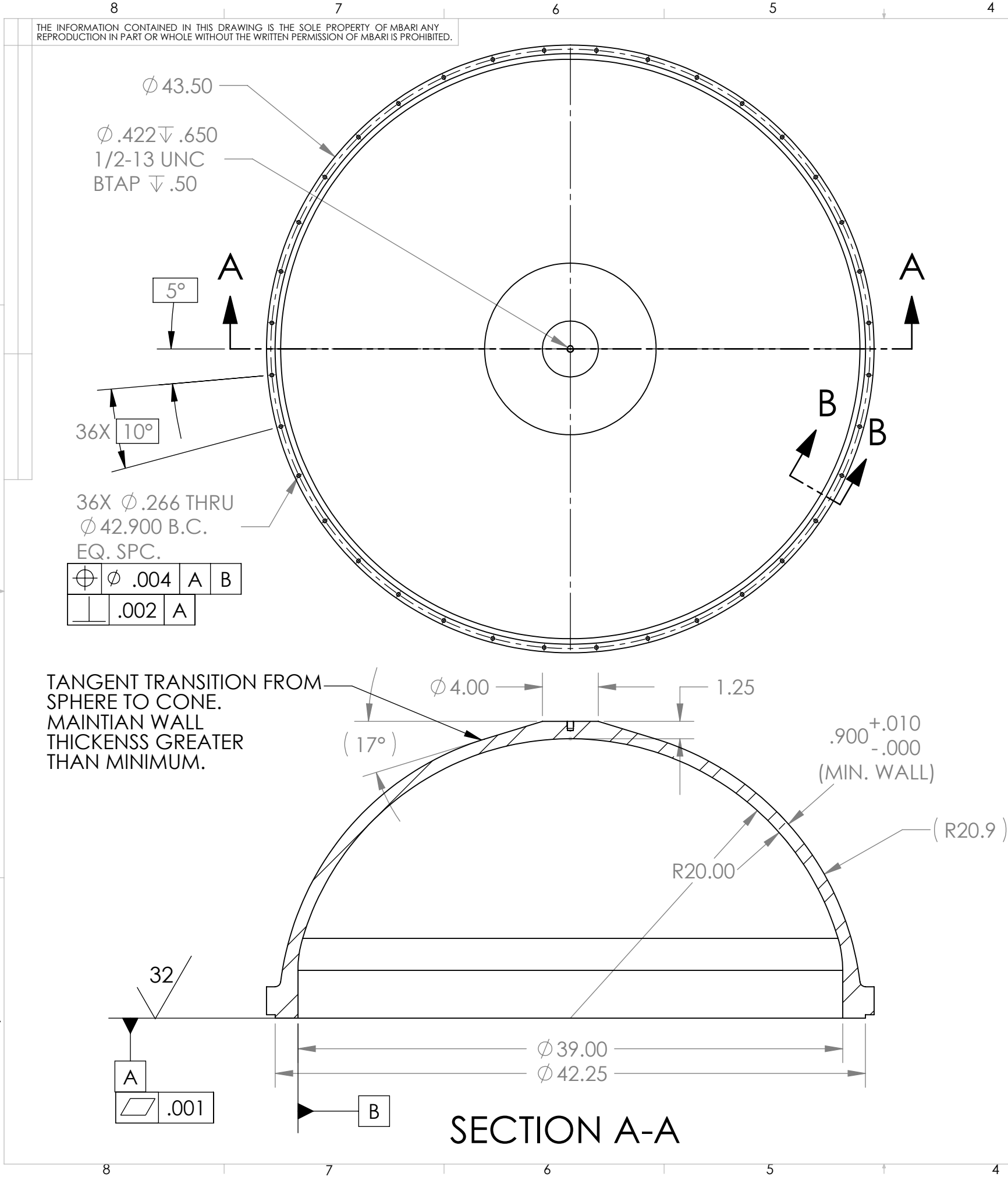


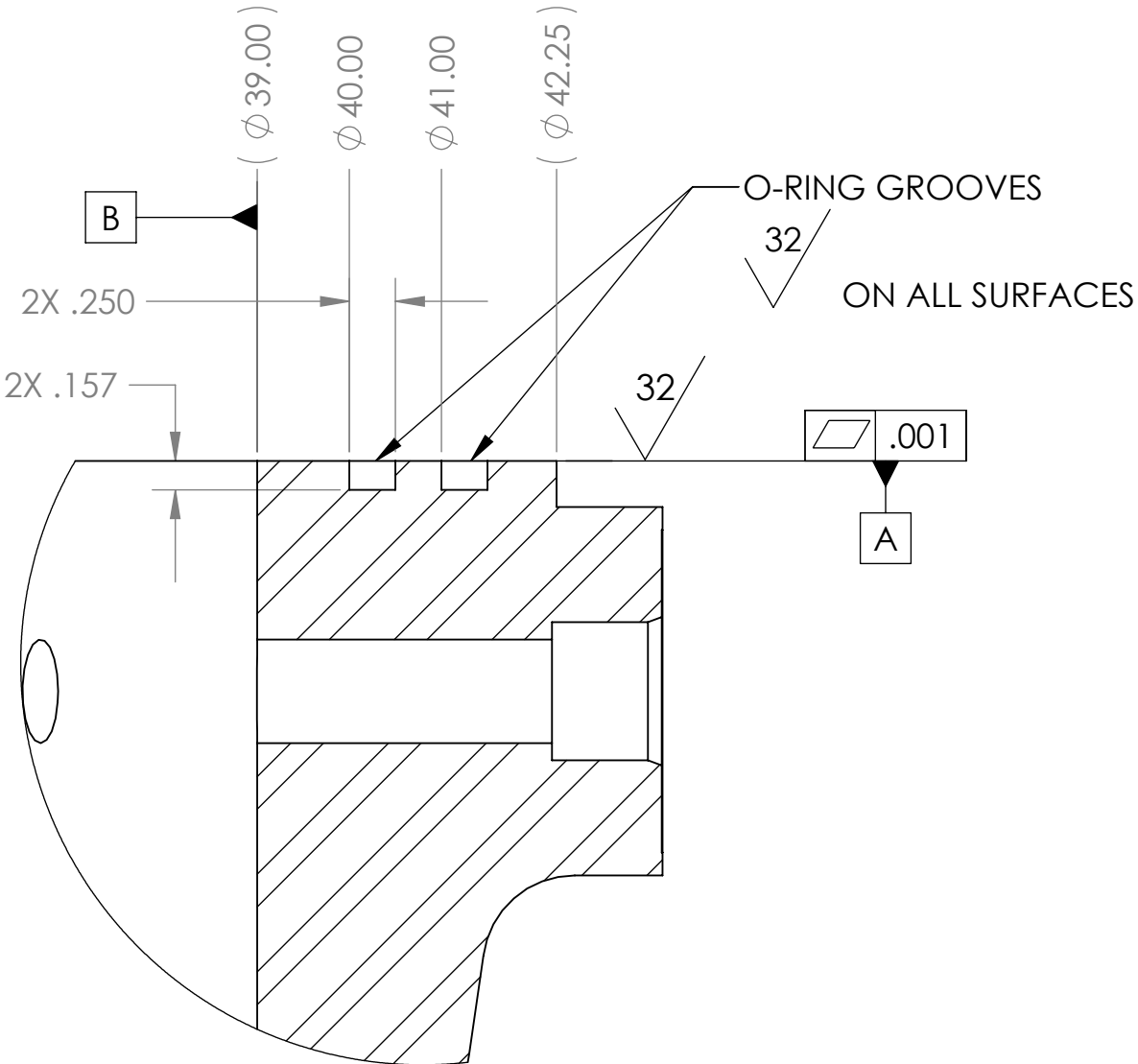


SECTION B-B
SCALE 1 : 2

NOTES:
1. The design depth is 4000m

BILL OF MATERIALS				Monterey Bay Aquarium Research Institute			
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS		DATE	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	DRAWN	PARGETT	9/09/2008	
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°	ENGINEER	PARGETT	9/09/2008	
Engineer		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.					
NEXT ASSY Description	NEXT ASSY Number	PROJECT NO.		701312.04		4000m DEEP ESP SPHERE TOP	
		PROJECT		DEEP ESP		SIZE B	
Application		DO NOT SCALE DRAWING		WEIGHT		DWG. NO. P-200381-07	
						SCALE 1:20	
						CAD FILE: MECH ENG ON TORNADO	
						SHEET 1 OF 3	

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	FIXTURING HOLES	9/10/08	



DETAIL D
SCALE 1 : 1

NOTES:

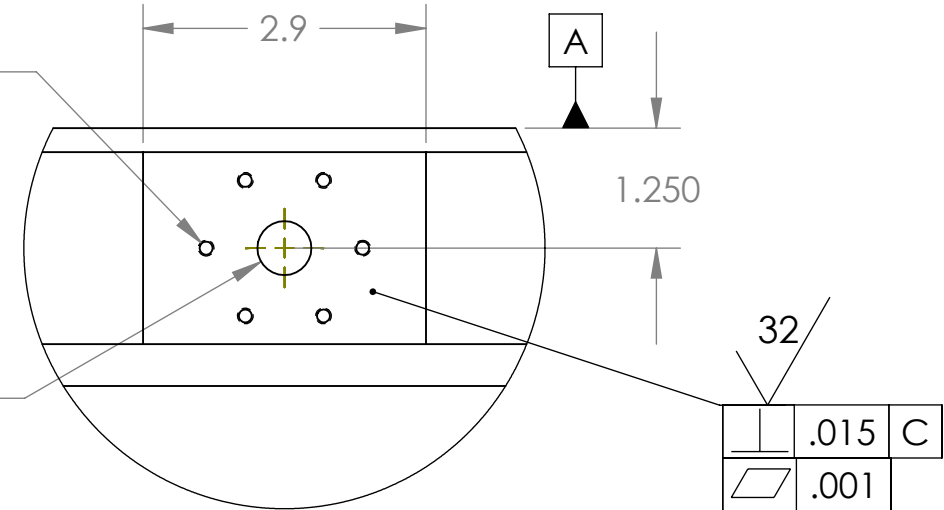
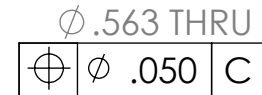
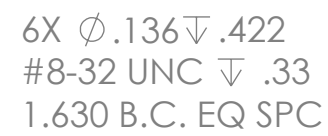
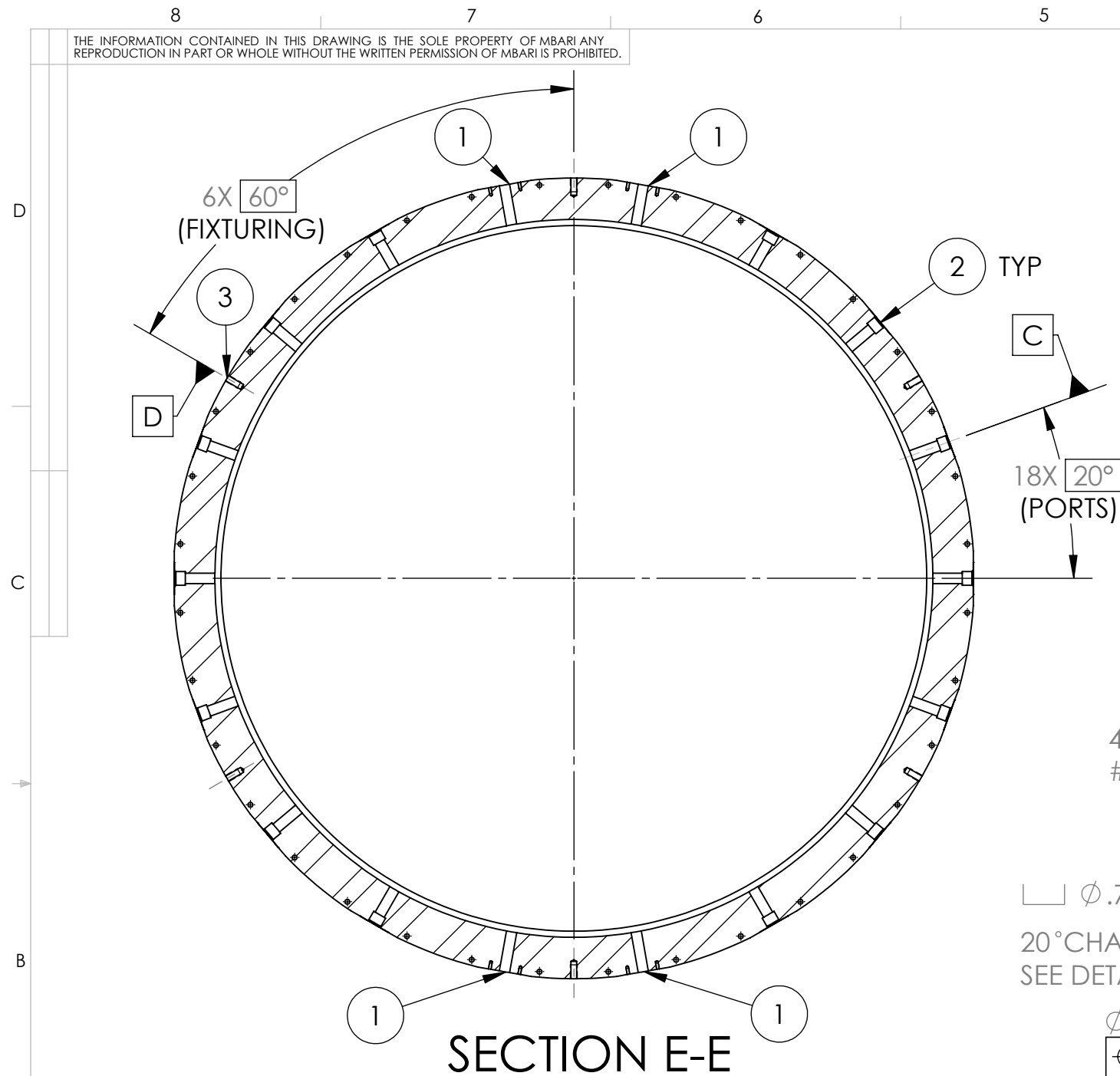
1. Bottom has identical base dimensions as top.
2. Custom O-rings

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	PARGETT	9/09/2008	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.				ENGINEER	PARGETT	9/09/2008	
Engineer									
NEXT ASSY Description	NEXT ASSY Number	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.				PROJECT NO.	701312.04		
						PROJECT	DEEP ESP		
Application		DO NOT SCALE DRAWING				WEIGHT			
						SIZE B	DWG. NO.		REV.
							P-200381-07		A
						SCALE	1:20	CAD FILE: MECH ENG ON TORNADO	SHEET 2 OF 3

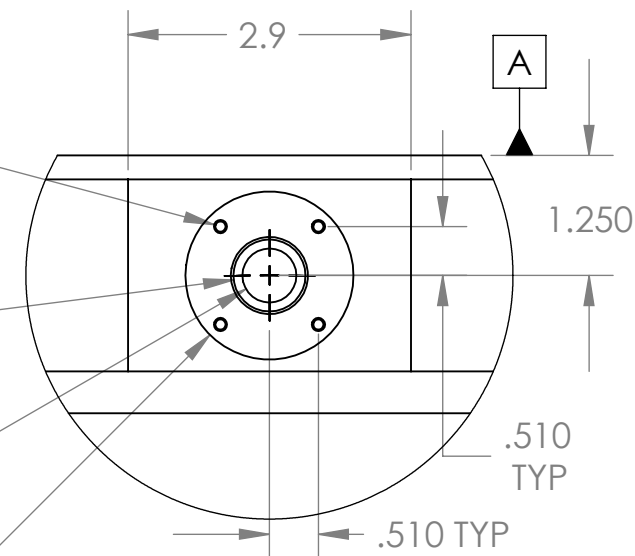
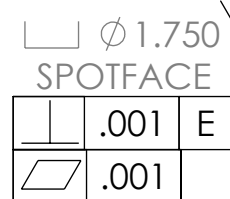
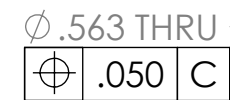
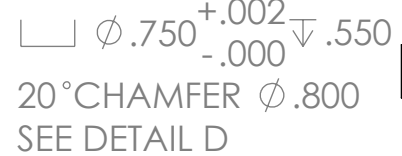
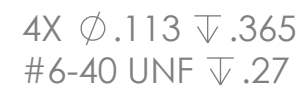
SECTION C-C

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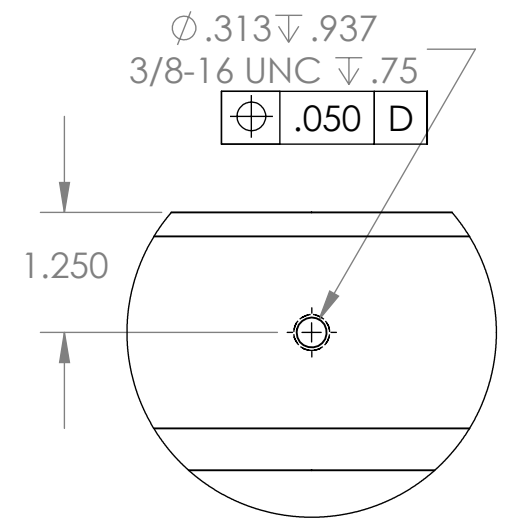
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	FIXTURING HOLES	9/10/08	



1 DETAIL H
THRU PIPE PORT (TYP OF 4)



2 DETAIL J
FCR PORT (TYP OF 14)



3 DETAIL M
FIXTURE HOLE
(TYP OF 6)

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  4000m DEEP ESP SPHERE BOTTOM PORT DETAIL SIZE B DWG. NO. P-200381-07 REV. A SCALE 1:20 CAD FILE: MECH ENG ON TORNADO SHEET 3 OF 3	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	PARGETT	9/09/2008		
Shop Foreman		1. DIMENSIONS ARE IN INCHES				ENGINEER	PARGETT	9/09/2008		
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED				
NEXT ASSY Description	NEXT ASSY Number	3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.				
		4. MACHINED FILLET RADII .0150-.030.				701312.04				
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				PROJECT				
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.				DEEP ESP				
Application		DO NOT SCALE DRAWING				WEIGHT				
		3			2			1		