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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	XX/XX/00	J.E.
	RE-RELEASE FRM KECK DWG #1001791.DWG		
A	CHG TAPPED HOLES TO 4EA. [ZONE E2]	5/26/04	J.E.
	CHG DIM CALL-OUT TO MINIMUM DIM'S		

Mass properties of Ball_Cap

Density = 0.160 pounds per cubic inch

Mass = 30.165 pounds

Volume = 188.531 cubic inches

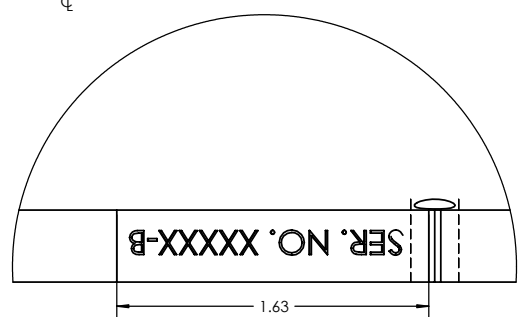
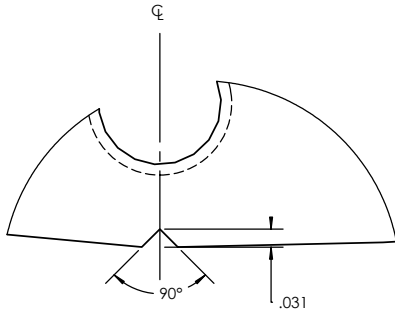
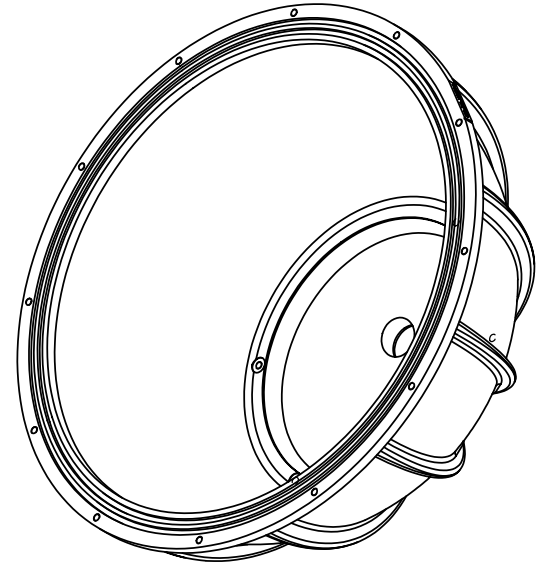
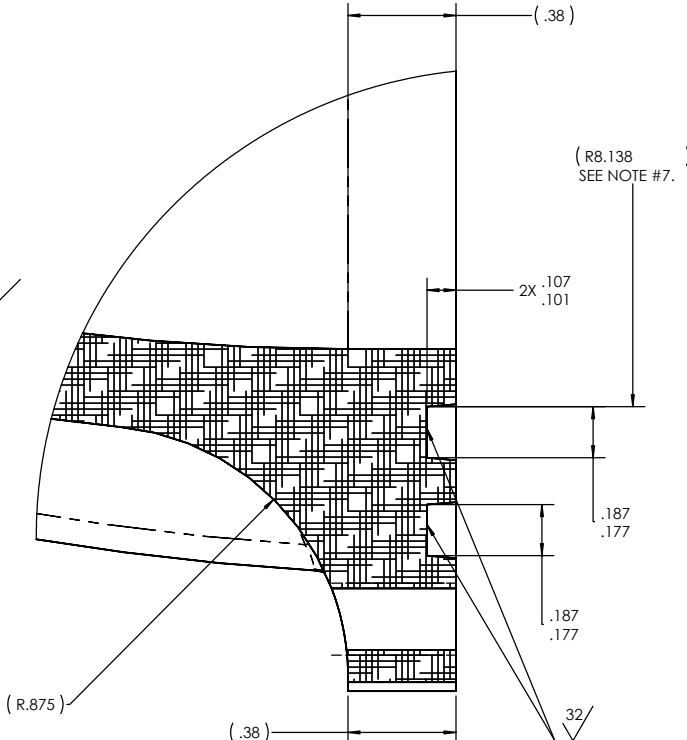
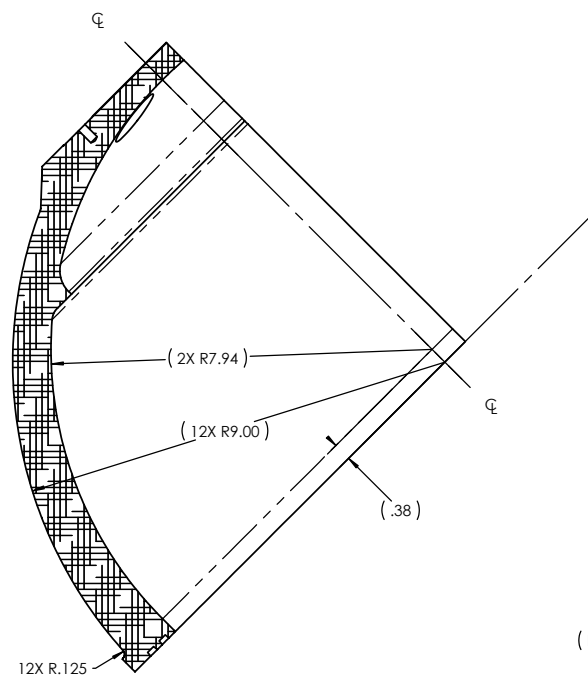
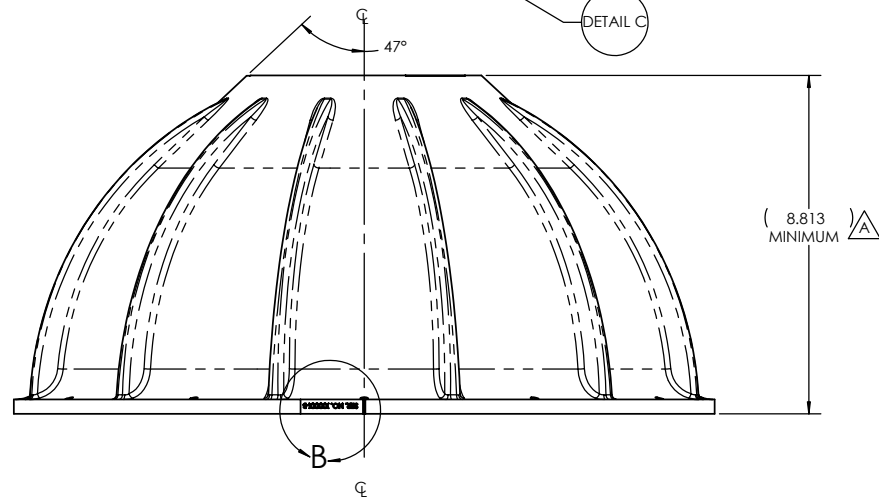
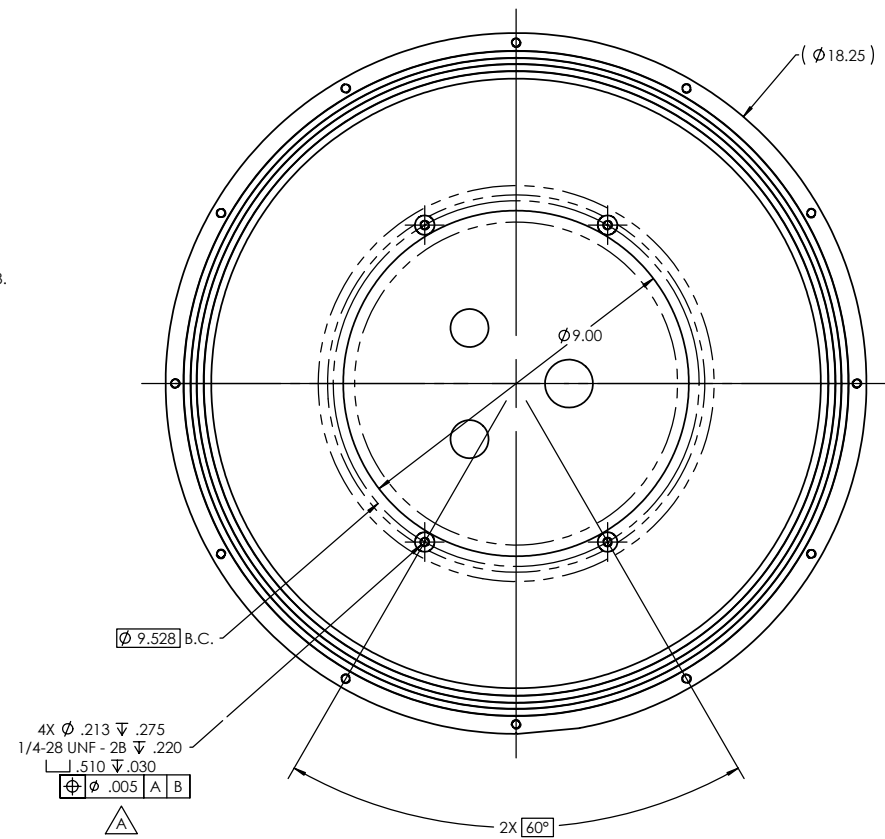
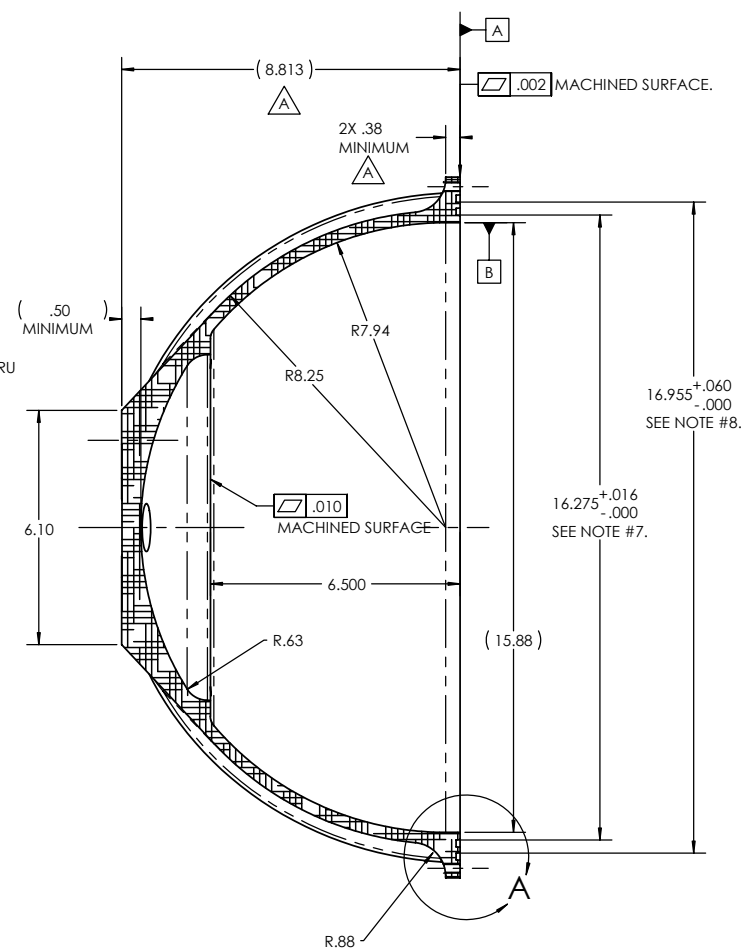
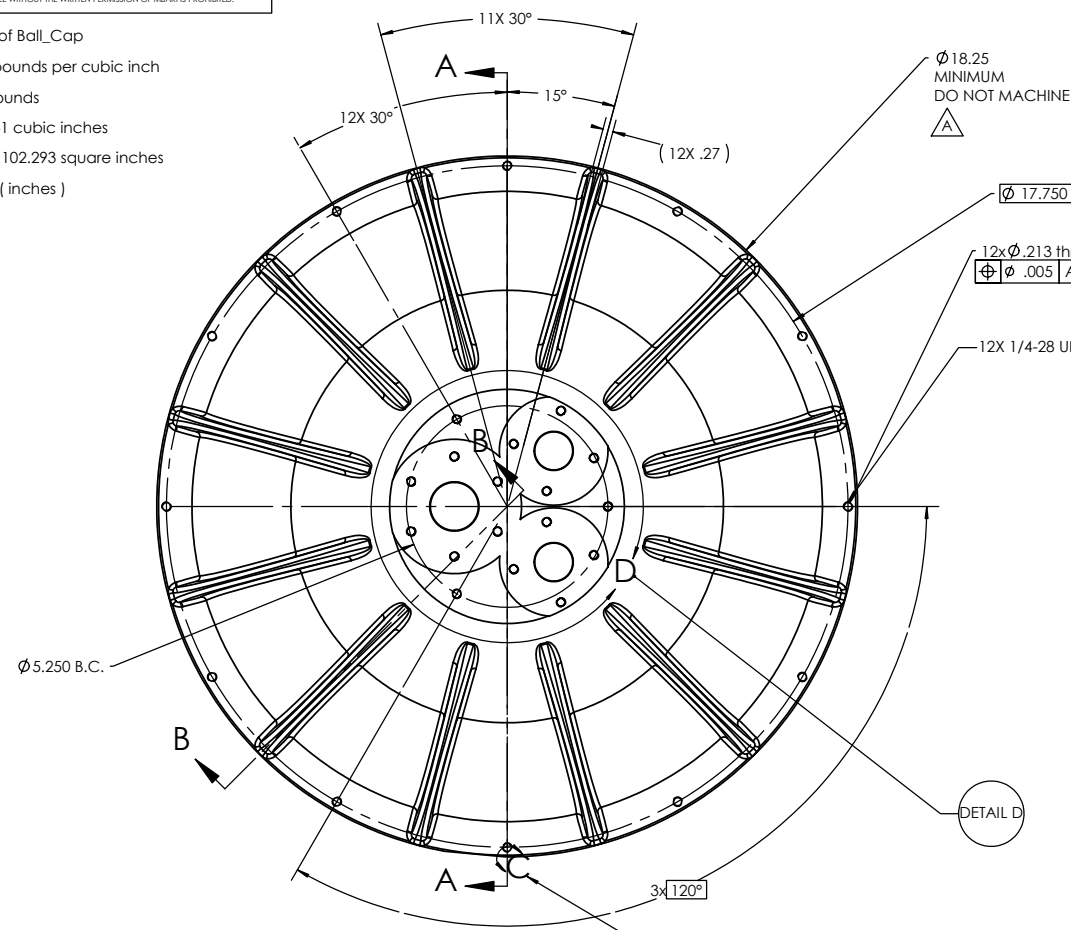
Surface area = 1102.293 square inches

Center of mass: (inches)

☐ X = 0.000

☐ Y = 4.055

☐ Z = -0.000



11. DWG 1001791 BOTTOM CAP DIM'S TO BE USED FOR CASTINGS.
MATERIAL: ASTM B367-93 GRADE C5, 6AL-4V TITANIUM.

10. MATCHED DOMES TO BE MARKED W/ SERIAL NO.
1/8" STAMPED LETTERING, "SER. NO. XXXX-B" IN MATCHING NUMBERS AT ASSEMBLY.

9. PART SYMMETRIC ABOUT SECTION LINE.

8. PARKER O-RING #2-283 OR EQUIVALENT

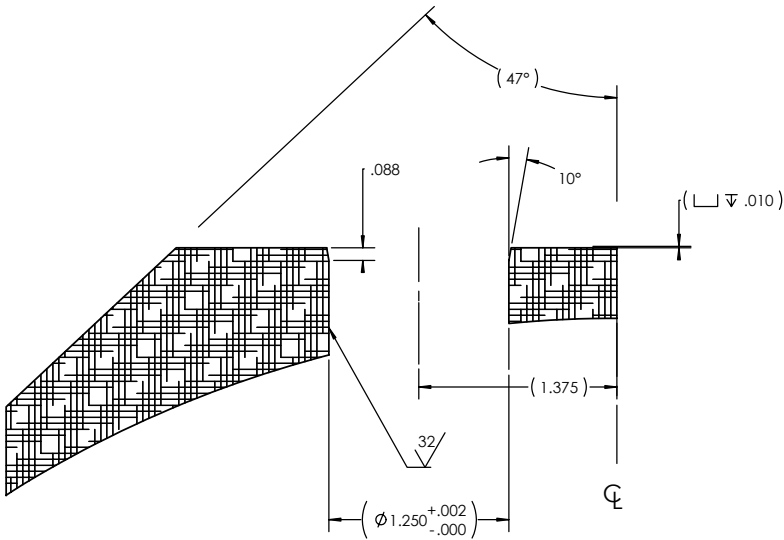
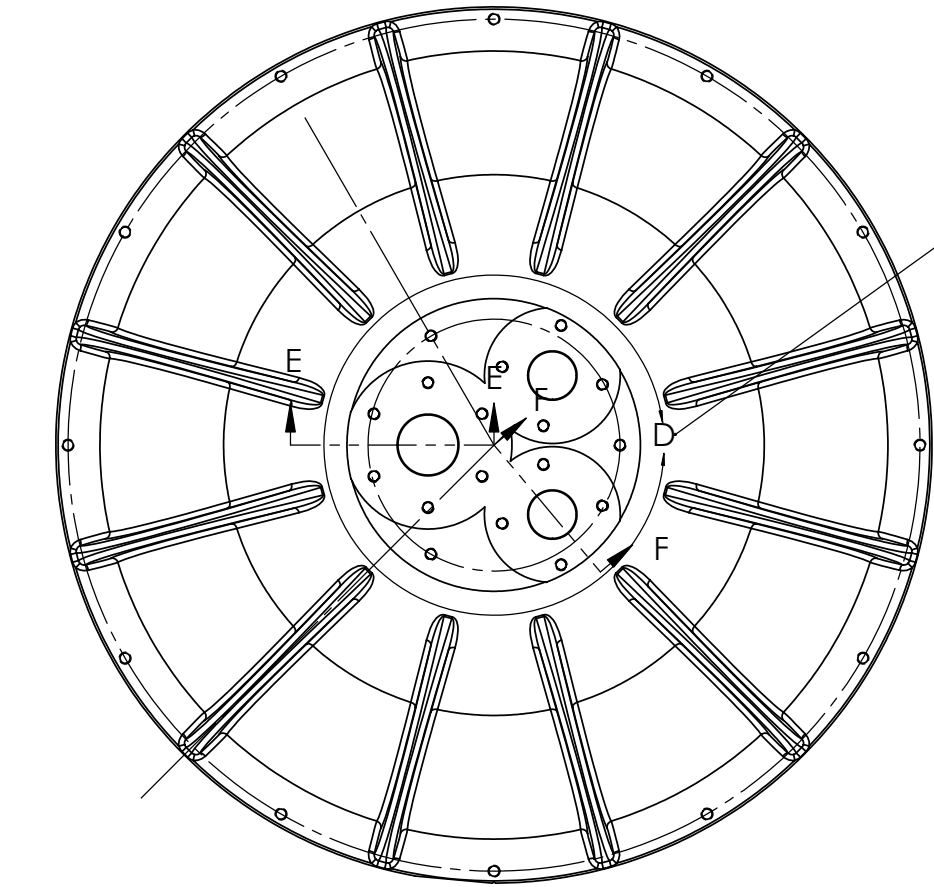
7. PARKER O-RING #2-282 OR EQUIVALENT (NON-STANDARD GROOVE DIA.- 2% STRETCH)

Notes: (CONT. FROM TITLE BLOCK)

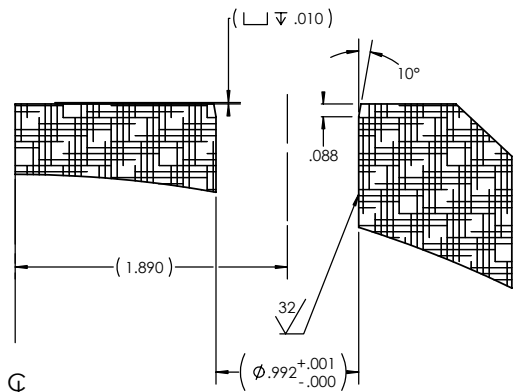
ITEM NO.	QTY.	DESCRIPTION	UNIT	VENDOR	MATERIAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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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.

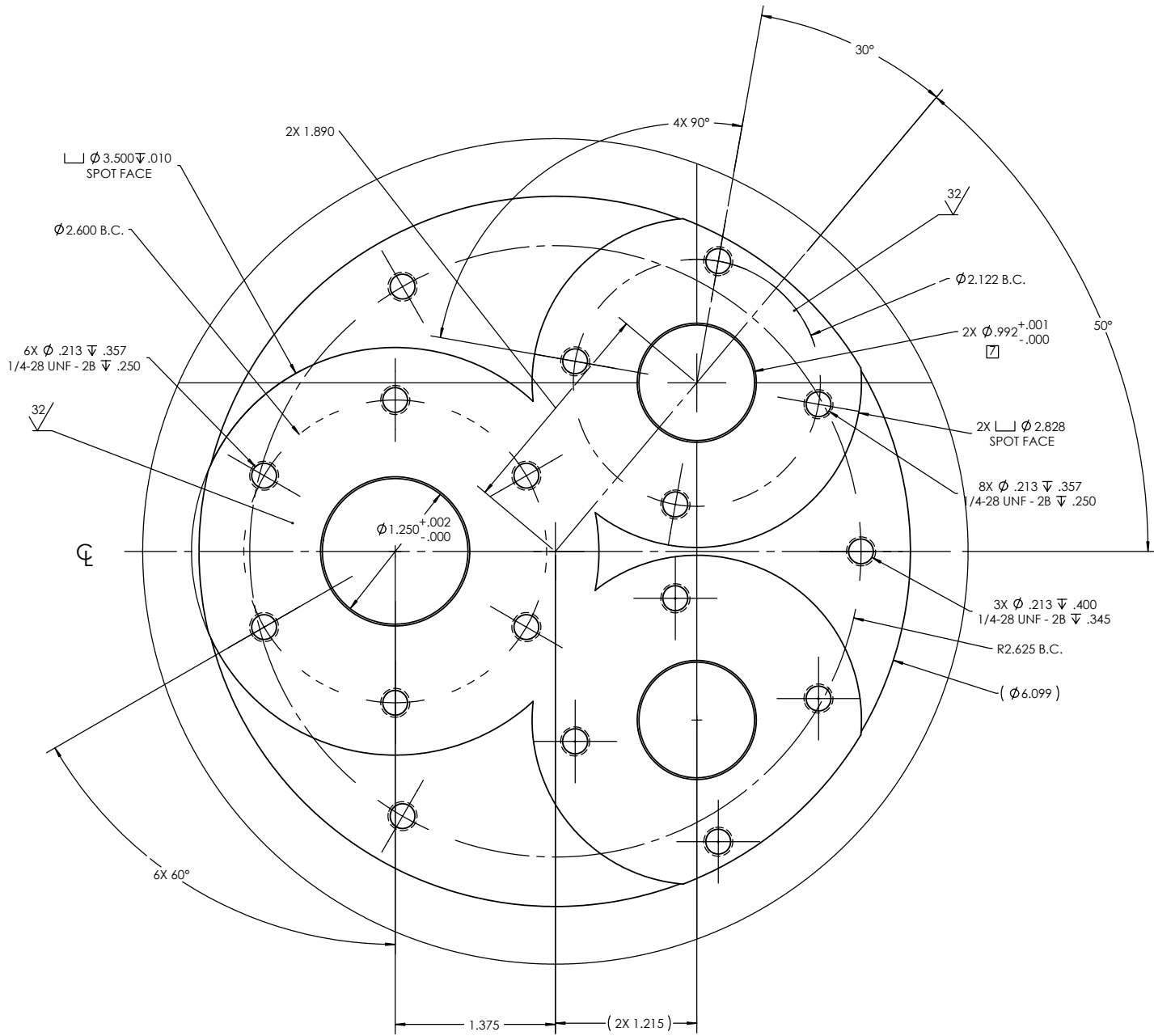
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	INITIAL RELEASE	XXXX/XX	J.E.



SECTION E-E
SCALE 1.5 : 1



SECTION F-F
SCALE 1.5 : 1



DETAIL D
SCALE 1.5 : 1

9. DETAIL "D" SYMMETRIC ABOUT CENTER LINE.
8. SEACON HYBRID PENETRATOR # 1017016 (1 EA.).
7. SUBCONN PENETRATOR # PNA-2400 (2 EA.).

NOTES: (CONT. FROM TITLE BLOCK)

BILL OF MATERIALS									
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS		DATE		
Inspector		1 PLACE DIA	2 PLACE DIA	3 PLACE DIA	ENGINEER	5/26/04	Monterey Bay Aquarium Research Institute		
Shop Foreman		1 PLACE DIA	2 PLACE DIA	3 PLACE DIA	ENGINEER	5/26/04	MBARI		
Engineer		1. DIMENSIONS ARE IN INCHES	2. DIMENSIONS UNITS HELD AFTER PLATING	3. FINISH BUREL AND SHARP EDGES .015 MAX	CHECKED	5/5, 6/16/04	7700 Sandbluff RD, Moss Landing, CA 95039 PH: (831) 775-1700		
PROJECT NO.	400027	4. MACHINED RILET RADII .0150-.030	5. MACHINED SURFACES CONCENTRIC WITH JOES	6. MACHINED SURFACES CONCENTRIC WITH JOES	PROJECT	MOOS	MOOS BIN IBC HOUSING		
NEXT ASST		7. MACHINED SURFACES CONCENTRIC WITH JOES	8. MACHINED SURFACES CONCENTRIC WITH JOES	9. MACHINED SURFACES CONCENTRIC WITH JOES	PROJECT	MOOS	Moos-Bin, BottomDome		
Description		10. MACHINED SURFACES CONCENTRIC WITH JOES	11. MACHINED SURFACES CONCENTRIC WITH JOES	12. MACHINED SURFACES CONCENTRIC WITH JOES	PROJECT	MOOS	1002446.DWG		
APPLICATION	DO NOT SCALE DRAWING	13. MACHINED SURFACES CONCENTRIC WITH JOES	14. MACHINED SURFACES CONCENTRIC WITH JOES	15. MACHINED SURFACES CONCENTRIC WITH JOES	SCALE	CAD FILE: MECH ENG ON TORNADO	SHEET 2 OF 2		