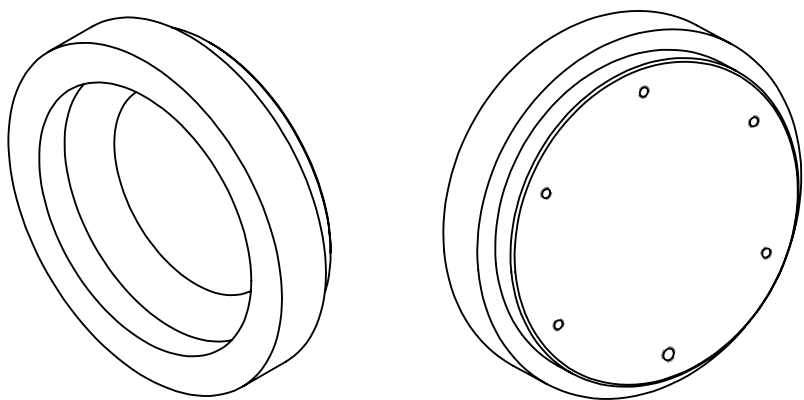
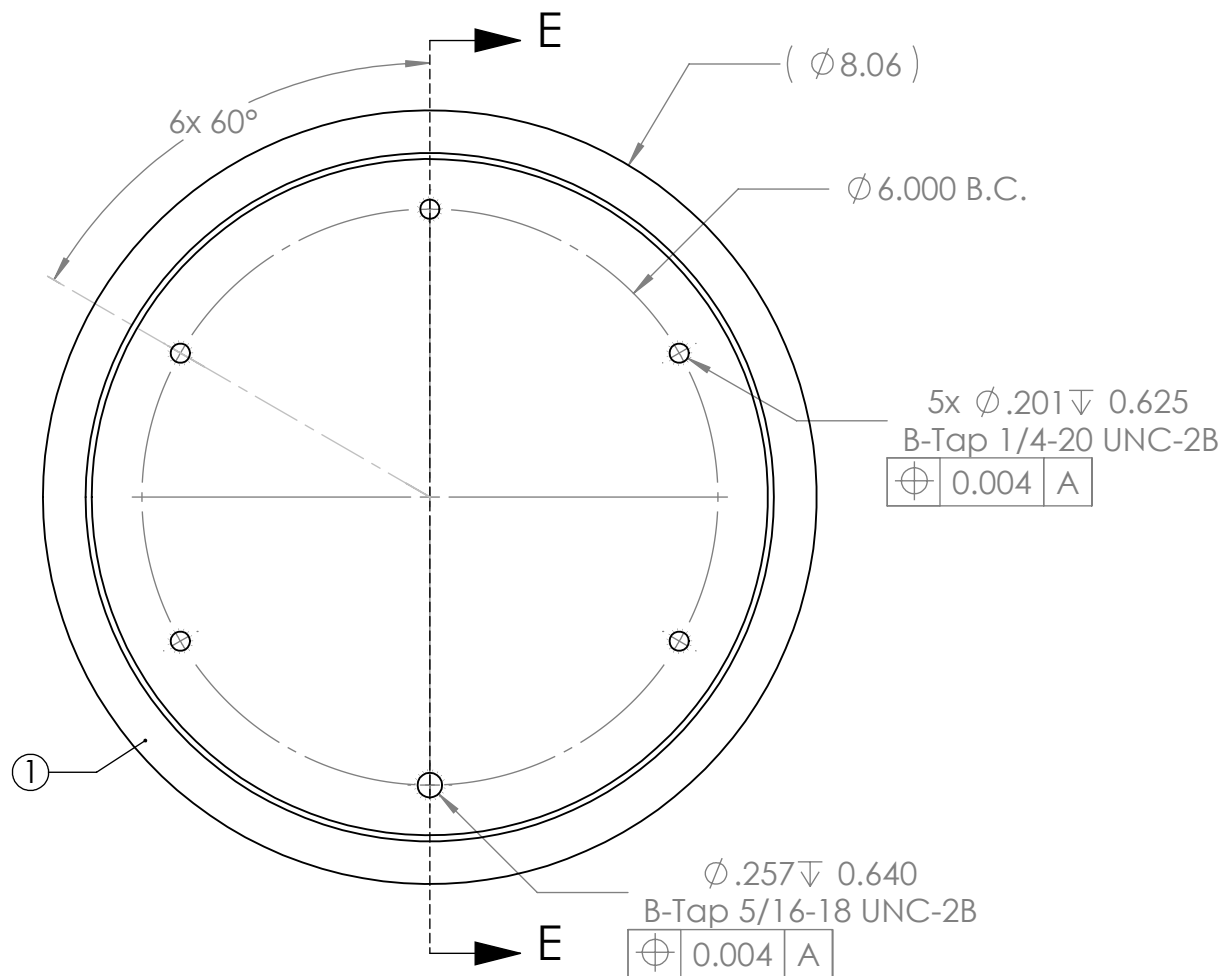




ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION		
BILL OF MATERIALS							
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 			
Inspector		1 PLACE DIM ±.1/16	2 PLACED DIM ±.02			3 PLACE DIM ±.005	ANGLES ±.1°
Shop Foreman		1. DIMENSIONS ARE IN INCHES					
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADII .0150-.030.					
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.					
Application		DO NOT SCALE DRAWING		APPROVALS DATE DRAWN J. ERICKSON 11/11/02 ENGINEER J. ERICKSON 11/11/02 CHECKED F.S. 12/9/02 PROJECT NO. 200001 PROJECT GREENHOUSE GASES			
				CO2 ACCUMULATOR PISTON 10020370 FOCE Piston_V3			
				SIZE B DWG. NO. 1001623.DWG REV. B			
				SCALE 1:2 CAD FILE: MECH ENG ON TORNADO SHEET 1 OF 3			

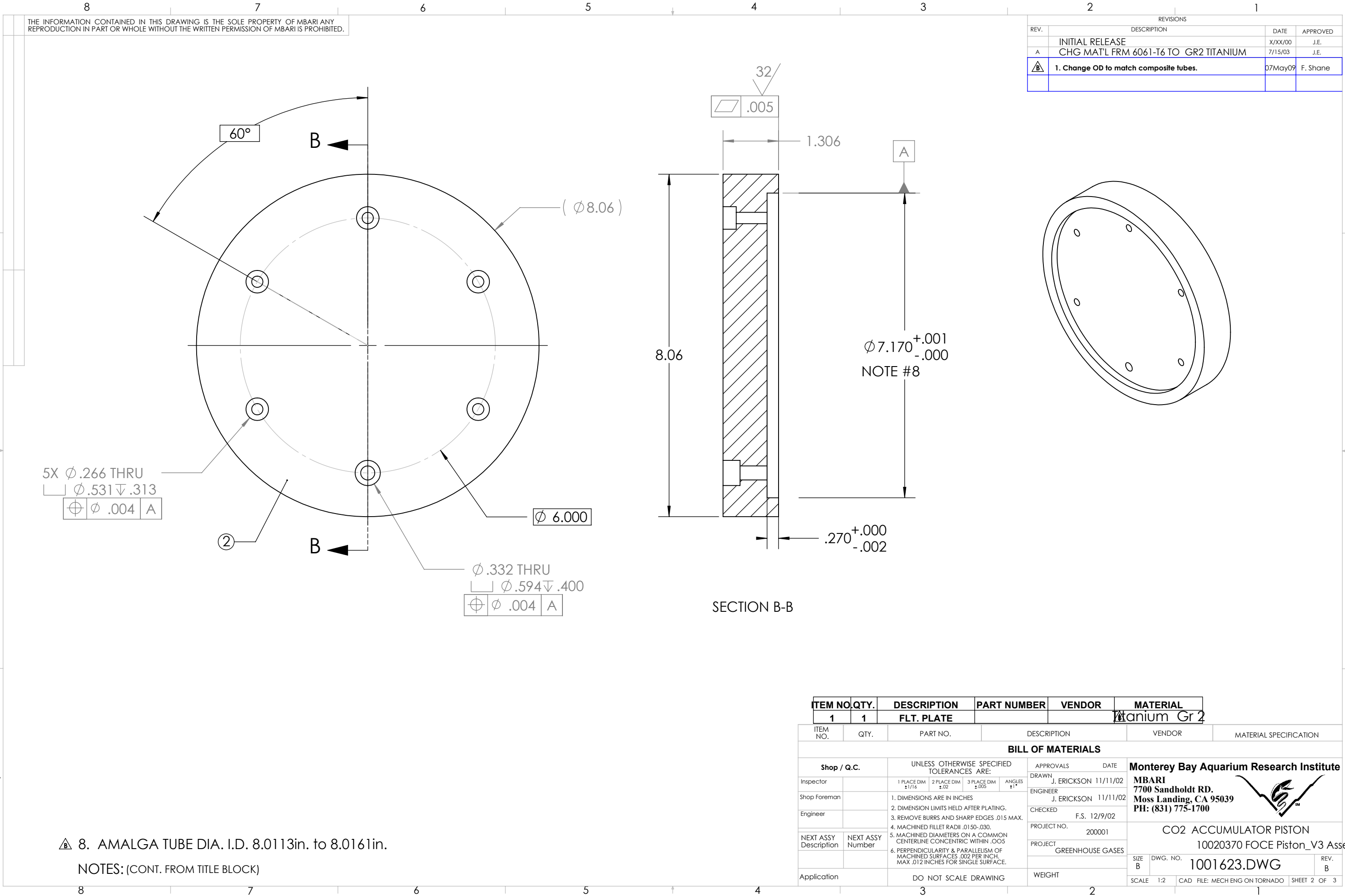
Monterey Bay Aquarium Research Institute
MBARI
 7700 Sandholdt RD.
 Moss Landing, CA 95039
 PH: (831) 775-1700



CO2 ACCUMULATOR PISTON
10020370 FOCE Piston_V3 Assembly

SIZE B	DWG. NO. 1001623.DWG	REV. B
-----------	-------------------------	-----------

SCALE 1:2 CAD FILE: MECH ENG ON TORNADO SHEET 1 OF 3



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.
A	CHG MAT'L FRM 6061-T6 TO GR2 TITANIUM	7/15/03	J.E.
	1. Change OD to match composite tubes.	07May09	F. Shane

5X Ø.266 THRU
Ø.531 ∇ .313
Ø .004 A

②

Ø.332 THRU
Ø.594 ∇ .400
Ø .004 A

Ø 6.000

60°

B

B

(Ø 8.06)

.005

32

1.306

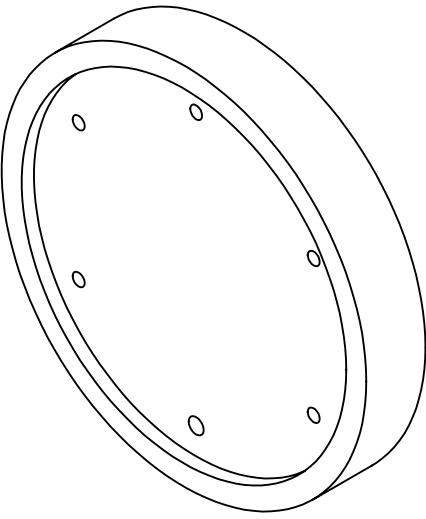
A

Ø 7.170 $\begin{smallmatrix} +.001 \\ -.000 \end{smallmatrix}$
NOTE #8

.270 $\begin{smallmatrix} +.000 \\ -.002 \end{smallmatrix}$

8.06

SECTION B-B



 8. AMALGA TUBE DIA. I.D. 8.0113in. to 8.0161in.
NOTES: (CONT. FROM TITLE BLOCK)

ITEM NO.	QTY.	DESCRIPTION	PART NUMBER	VENDOR	MATERIAL
1	1	FLT. PLATE			Titanium Gr 2

ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION	
BILL OF MATERIALS						
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			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°
Shop Foreman		1. DIMENSIONS ARE IN INCHES				
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.				
		4. MACHINED FILLET RADII .0150-.030.				
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.				
Application		DO NOT SCALE DRAWING		WEIGHT		
		PROJECT NO.		200001		
		PROJECT		GREENHOUSE GASES		
		SIZE B	DWG. NO.			REV. B
		SCALE 1:2	CAD FILE: MECH ENG ON TORNADO		SHEET 2 OF 3	

