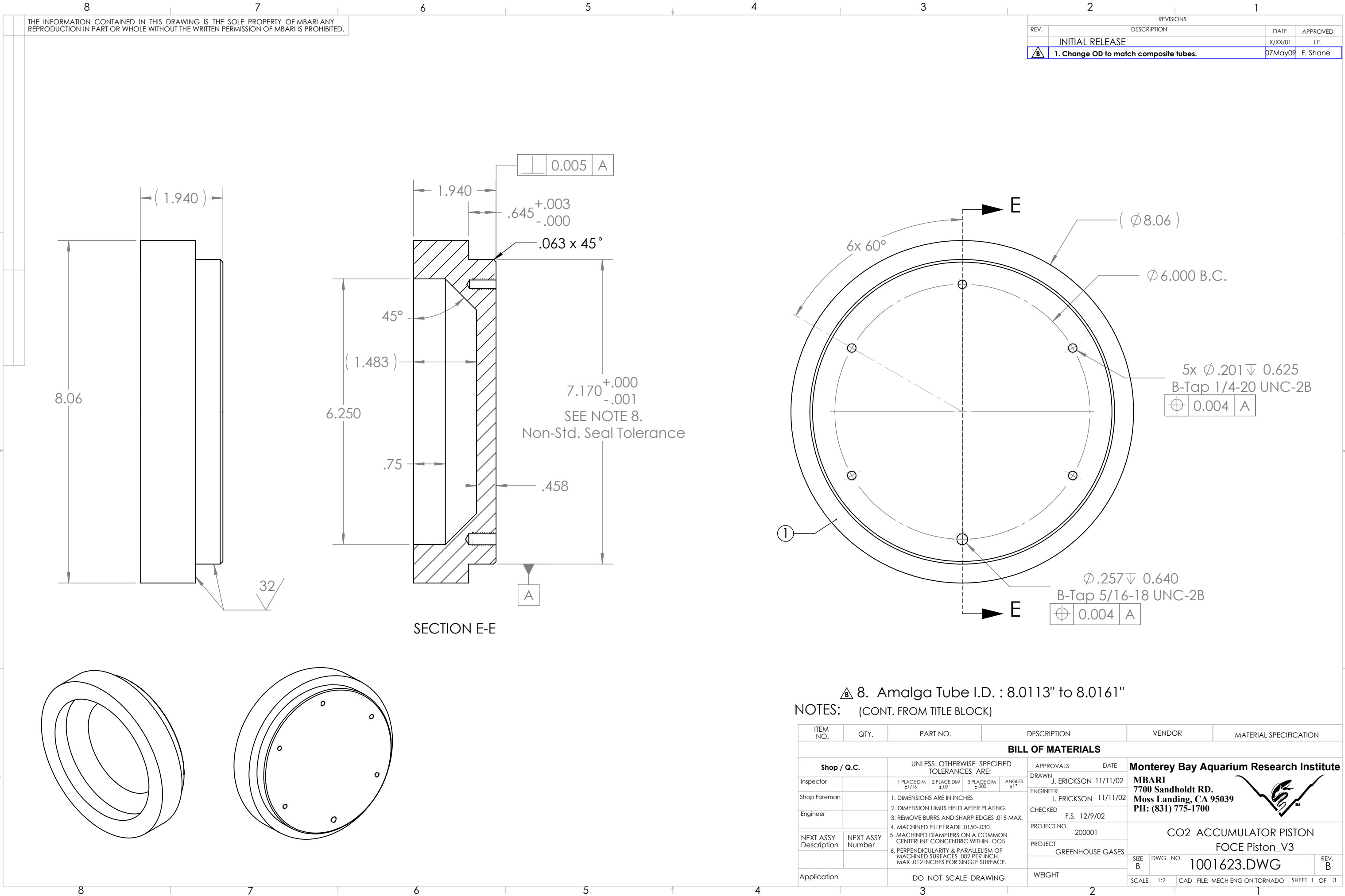
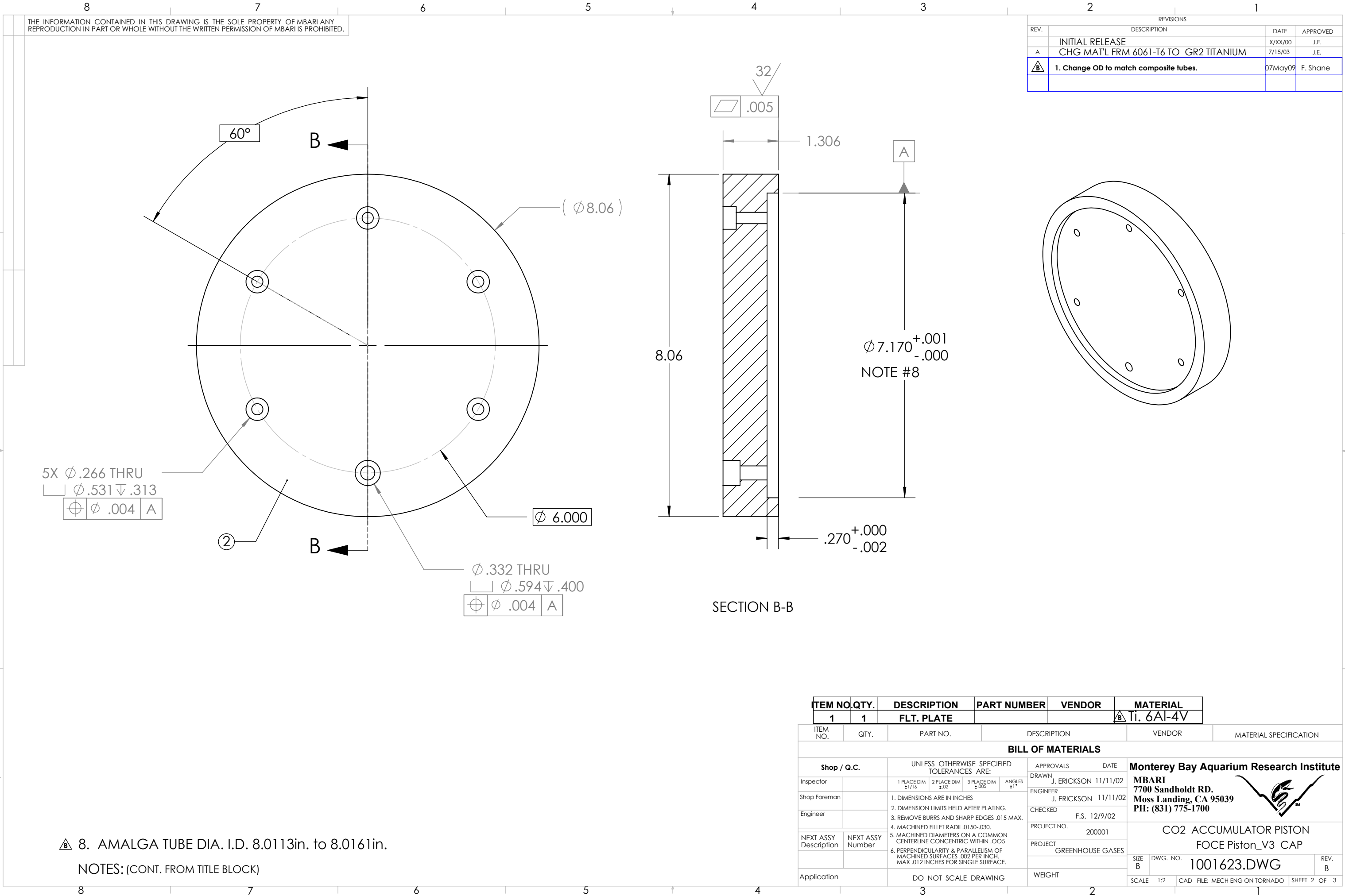






REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.
A	CHG MAT'L FRM 6061-T6 TO GR2 TITANIUM	7/15/03	J.E.
	1. Change OD to match composite tubes.	07May09	F. Shane

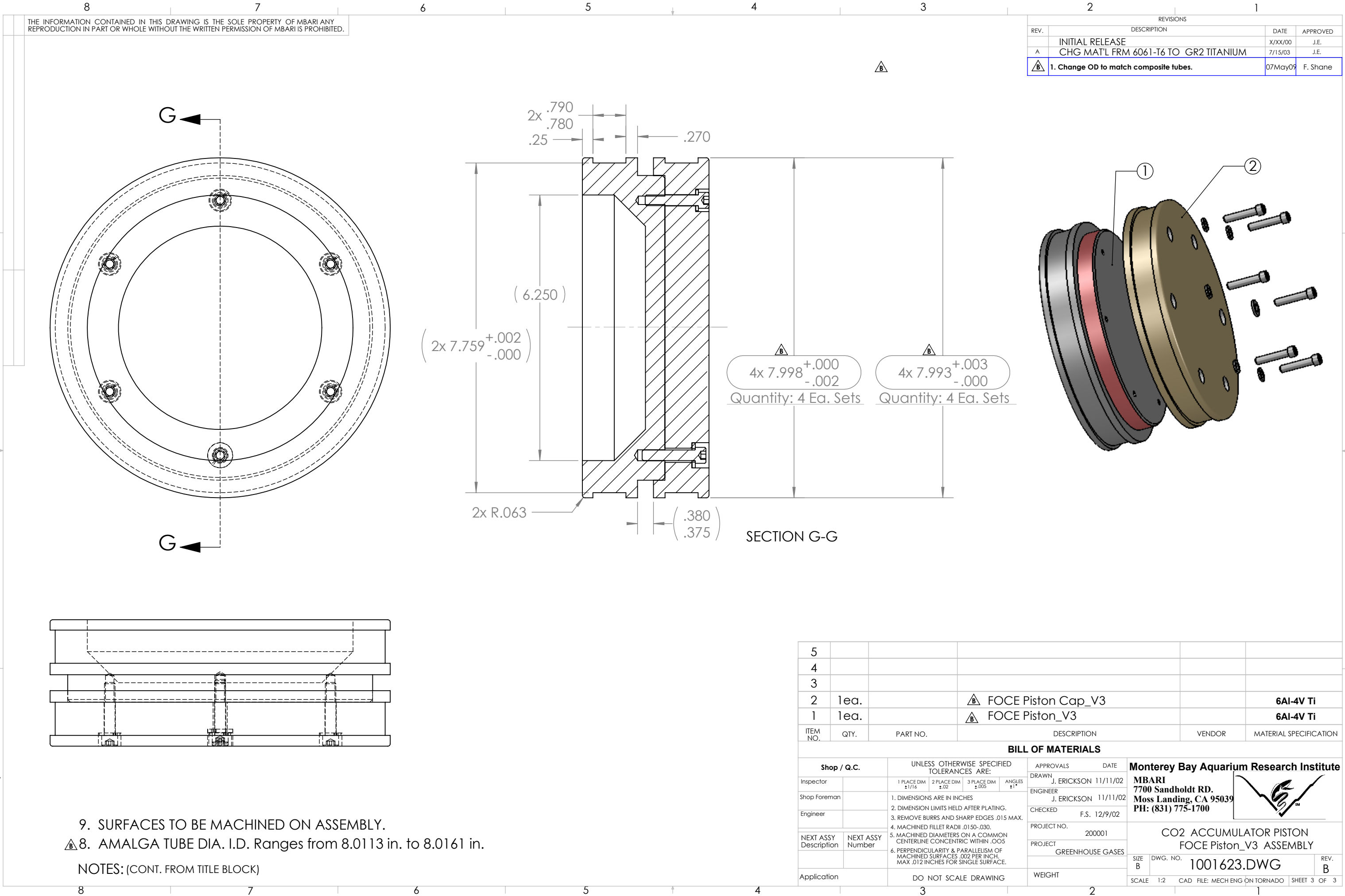
ITEM NO.	QTY.	DESCRIPTION	PART NUMBER	VENDOR	MATERIAL
1	1	FLT. PLATE			Ti. 6Al-4V

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°
Shop Foreman		1. DIMENSIONS ARE IN INCHES			DRAWN J. ERICKSON 11/11/02
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.			ENGINEER J. ERICKSON 11/11/02
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.			CHECKED F.S. 12/9/02
		4. MACHINED FILLET RADII .0150-.030.			PROJECT NO. 200001
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005			PROJECT GREENHOUSE GASES
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.			
Application		DO NOT SCALE DRAWING			WEIGHT
					Monterey Bay Aquarium Research Institute
					MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700
					
					CO2 ACCUMULATOR PISTON
					FOCE Piston_V3 CAP
		SIZE B	DWG. NO. 1001623.DWG		REV. B
		SCALE 1:2	CAD FILE: MECH ENG ON TORNADO		SHEET 2 OF 3

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

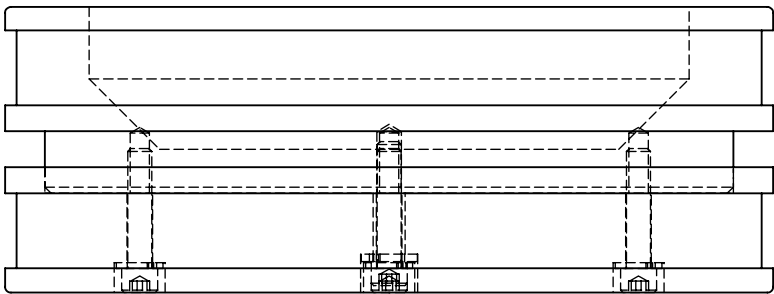
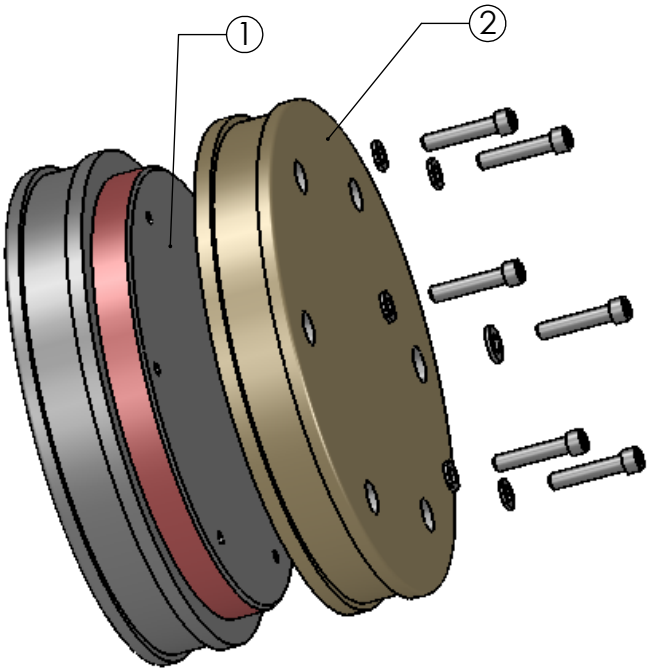
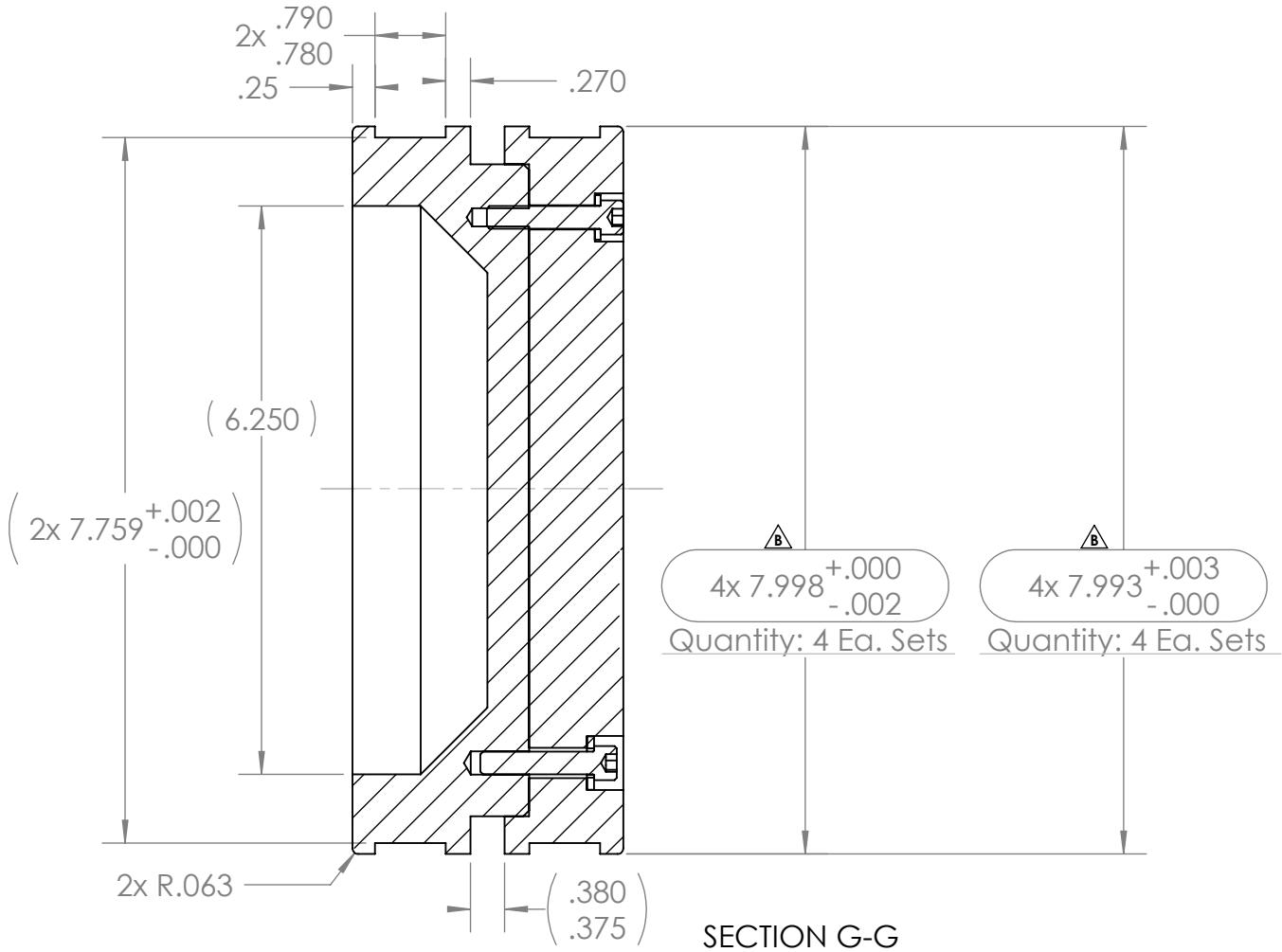


CO2 ACCUMULATOR PISTON
FOCE Piston_V3 CAP



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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



9. SURFACES TO BE MACHINED ON ASSEMBLY.
⚠ 8. AMALGA TUBE DIA. I.D. Ranges from 8.0113 in. to 8.0161 in.
NOTES: (CONT. FROM TITLE BLOCK)

5					
4					
3					
2	1ea.		⚠ FOCE Piston Cap_V3		6Al-4V Ti
1	1ea.		⚠ FOCE Piston_V3		6Al-4V Ti
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	DRAWN J. ERICKSON 11/11/02	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 
Shop Foreman		1. DIMENSIONS ARE IN INCHES	3 PLACE DIM ±.005	ENGINEER J. ERICKSON 11/11/02	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.	ANGLES ±1°	CHECKED F.S. 12/9/02	
NEXT ASSY Description	NEXT ASSY Number	3. REMOVE BURRS AND SHARP EDGES .015 MAX.		PROJECT NO. 200001	
		4. MACHINED FILLET RADII .0150-.030.		PROJECT GREENHOUSE GASES	CO2 ACCUMULATOR PISTON FOCE Piston_V3 ASSEMBLY
		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		WEIGHT	
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.			SIZE B
Application		DO NOT SCALE DRAWING			DWG. NO. 1001623.DWG
					REV. B
					SCALE 1:2 CAD FILE: MECH ENG ON TORNADO SHEET 3 OF 3