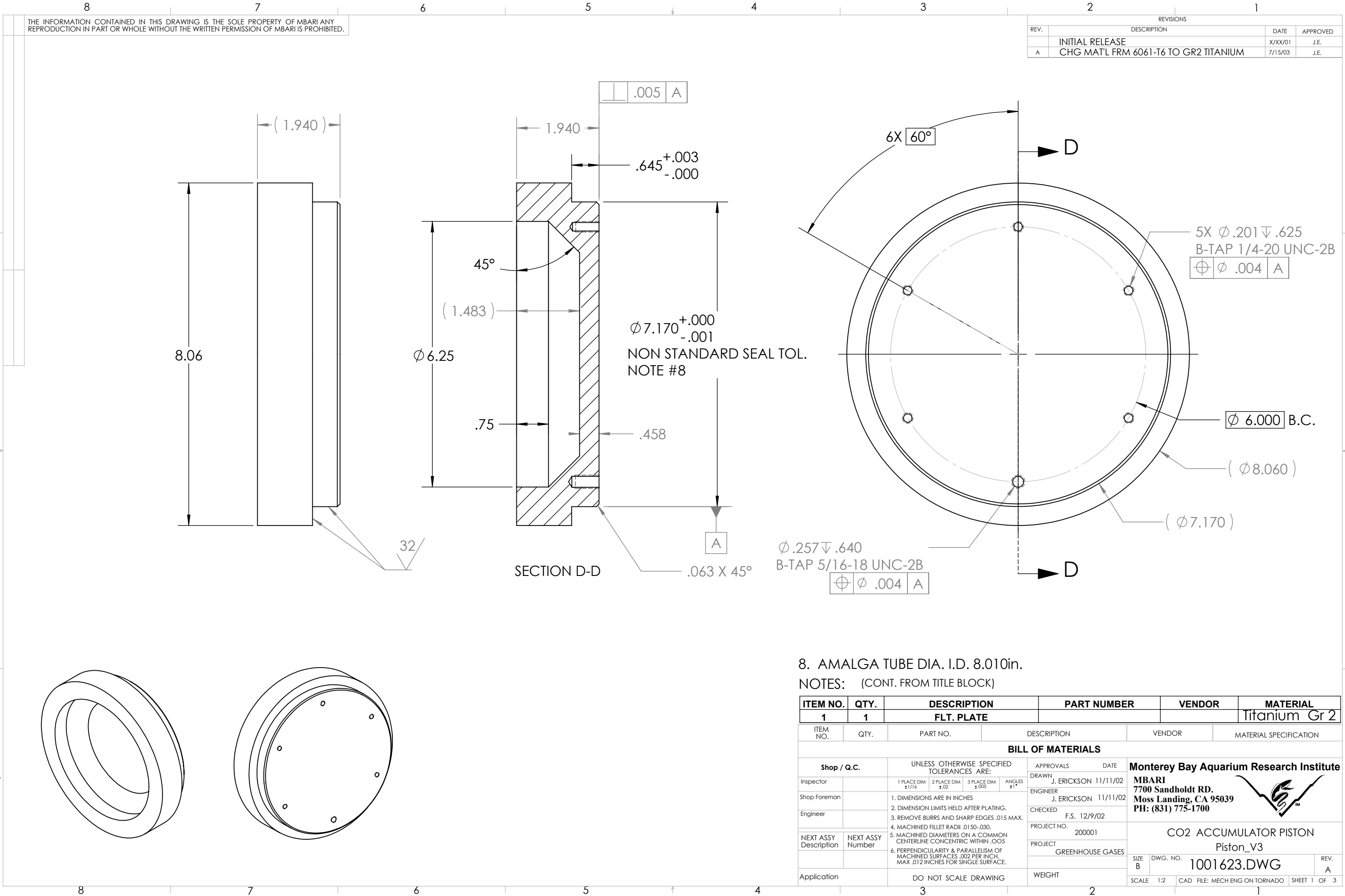
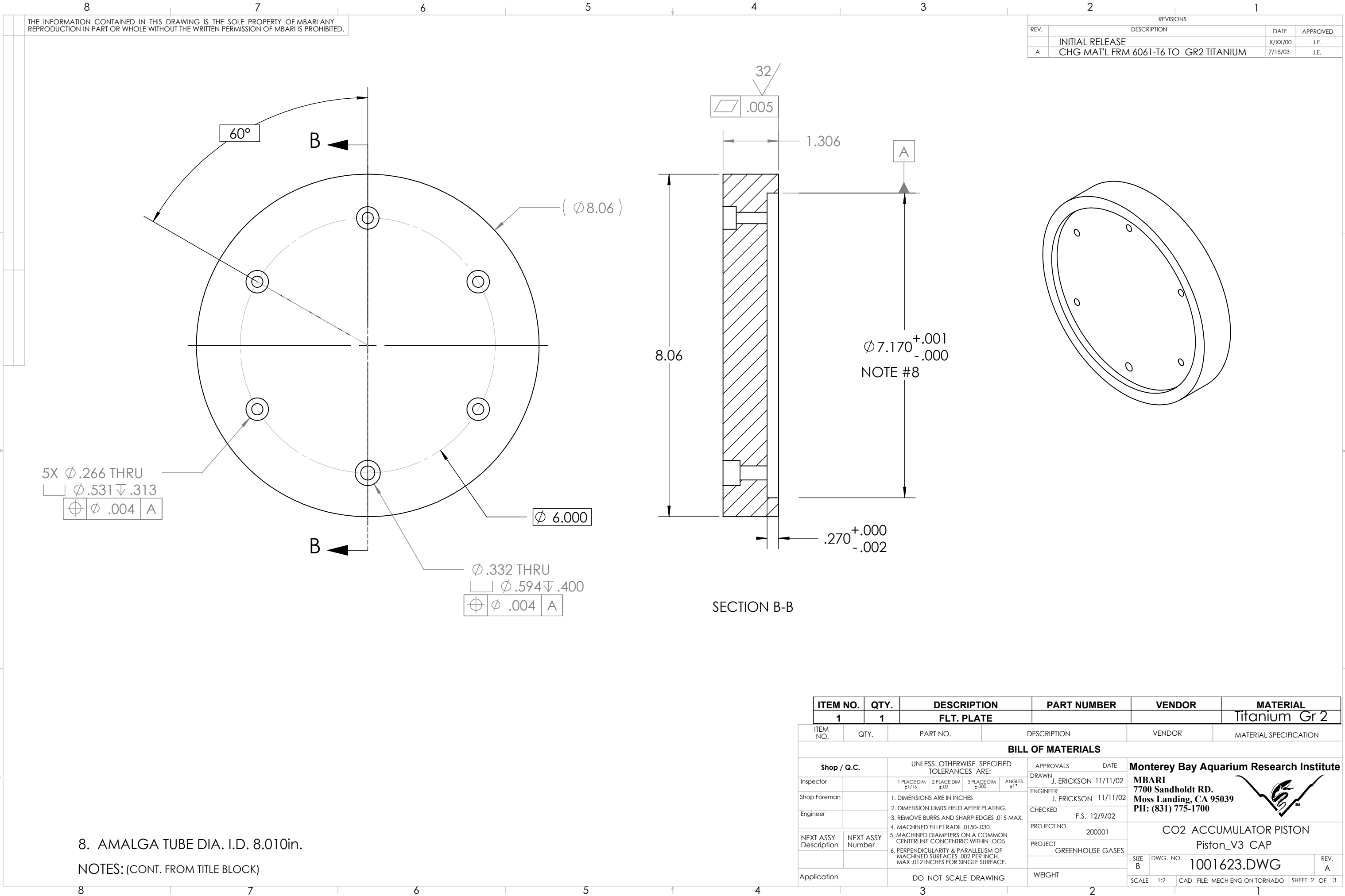






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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	X/XX/00	J.E.
A	CHG MAT'L FRM 6061-T6 TO GR2 TITANIUM	7/15/03	J.E.

5X $\varnothing .266$ THRU
 $\varnothing .531 \downarrow .313$
 $\varnothing .004$ A

$\varnothing .332$ THRU
 $\varnothing .594 \downarrow .400$
 $\varnothing .004$ A

$\varnothing 6.000$

8.06

$\varnothing .005$

1.306

A

$\varnothing 7.170^{+.001}_{-.000}$
NOTE #8

$.270^{+.000}_{-.002}$

SECTION B-B

8. AMALGA TUBE DIA. I.D. 8.010in.

NOTES: (CONT. FROM TITLE BLOCK)

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

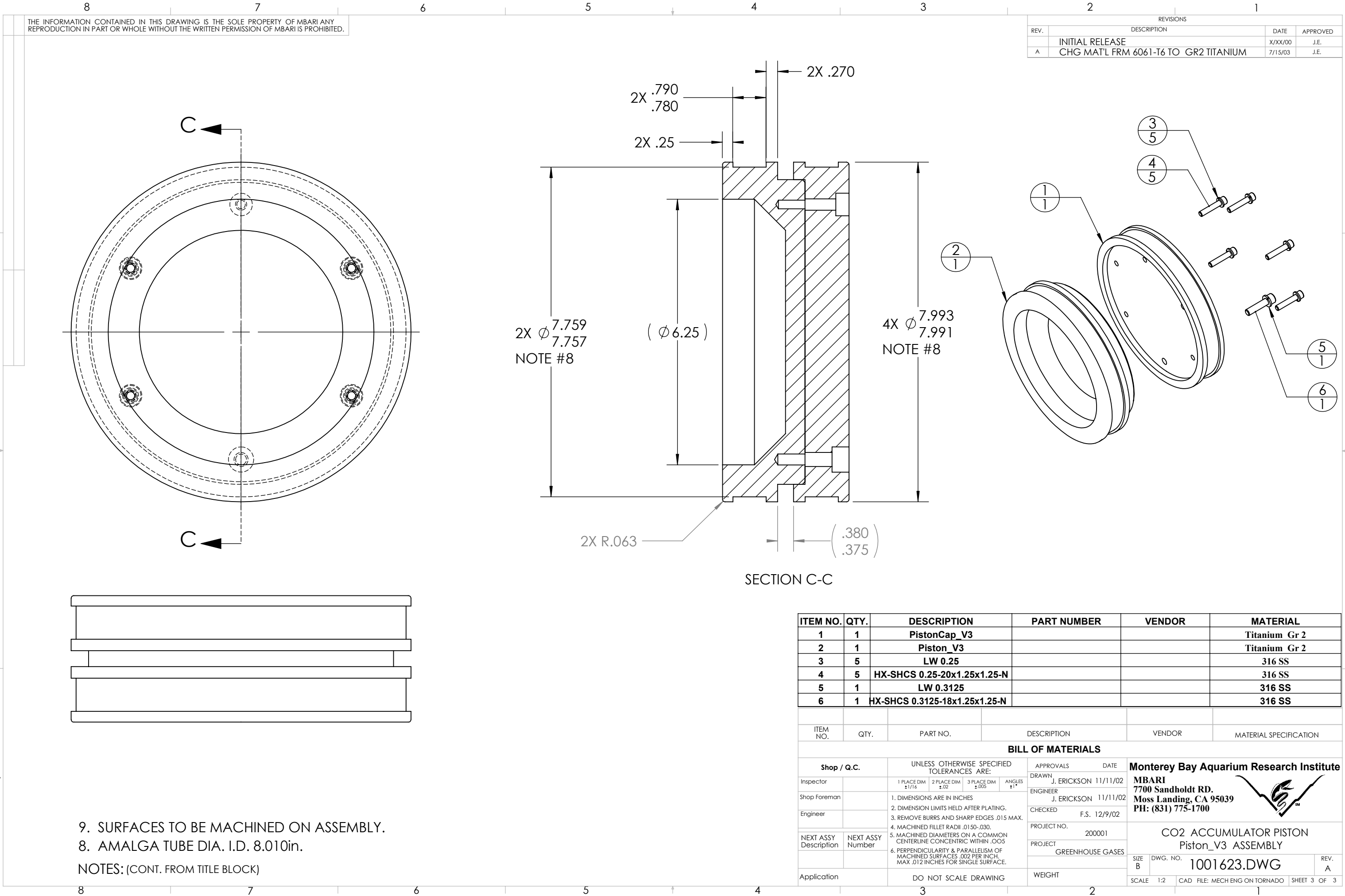
ITEM NO.	QTY.	PART NO.	DESCRIPTION	VENDOR	MATERIAL SPECIFICATION
BILL OF MATERIALS					
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS DATE	
Inspector		1 PLACE DIM $\pm 1/16$	2 PLACE DIM $\pm .02$	3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$
Shop Foreman		1. DIMENSIONS ARE IN INCHES		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.		WEIGHT	
Application		DO NOT SCALE DRAWING		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
Piston_V3 CAP

SIZE B DWG. NO. 1001623.DWG REV. A



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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.

2X Ø 7.759
7.757
NOTE #8

2X .790
.780

2X .25

2
1

4X Ø 7.993
7.991
NOTE #8

3
5

4
5

1
1

5
1

6
1

2X R.063

.380
.375

SECTION C-C

ITEM NO.	QTY.	DESCRIPTION	PART NUMBER	VENDOR	MATERIAL
1	1	PistonCap_V3			Titanium Gr 2
2	1	Piston_V3			Titanium Gr 2
3	5	LW 0.25			316 SS
4	5	HX-SHCS 0.25-20x1.25x1.25-N			316 SS
5	1	LW 0.3125			316 SS
6	1	HX-SHCS 0.3125-18x1.25x1.25-N			316 SS

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	
				SIZE B	DWG. NO. 1001623.DWG
				SCALE 1:2	CAD FILE: MECH ENG ON TORNADO
				SHEET 3	OF 3

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CO2 ACCUMULATOR PISTON
Piston_V3 ASSEMBLY

DWG. NO. 1001623.DWG

SIZE B

SCALE

1:2

CAD

FILE:

MECH

ENG

ON

TORNADO

SHEET

3 OF 3

A