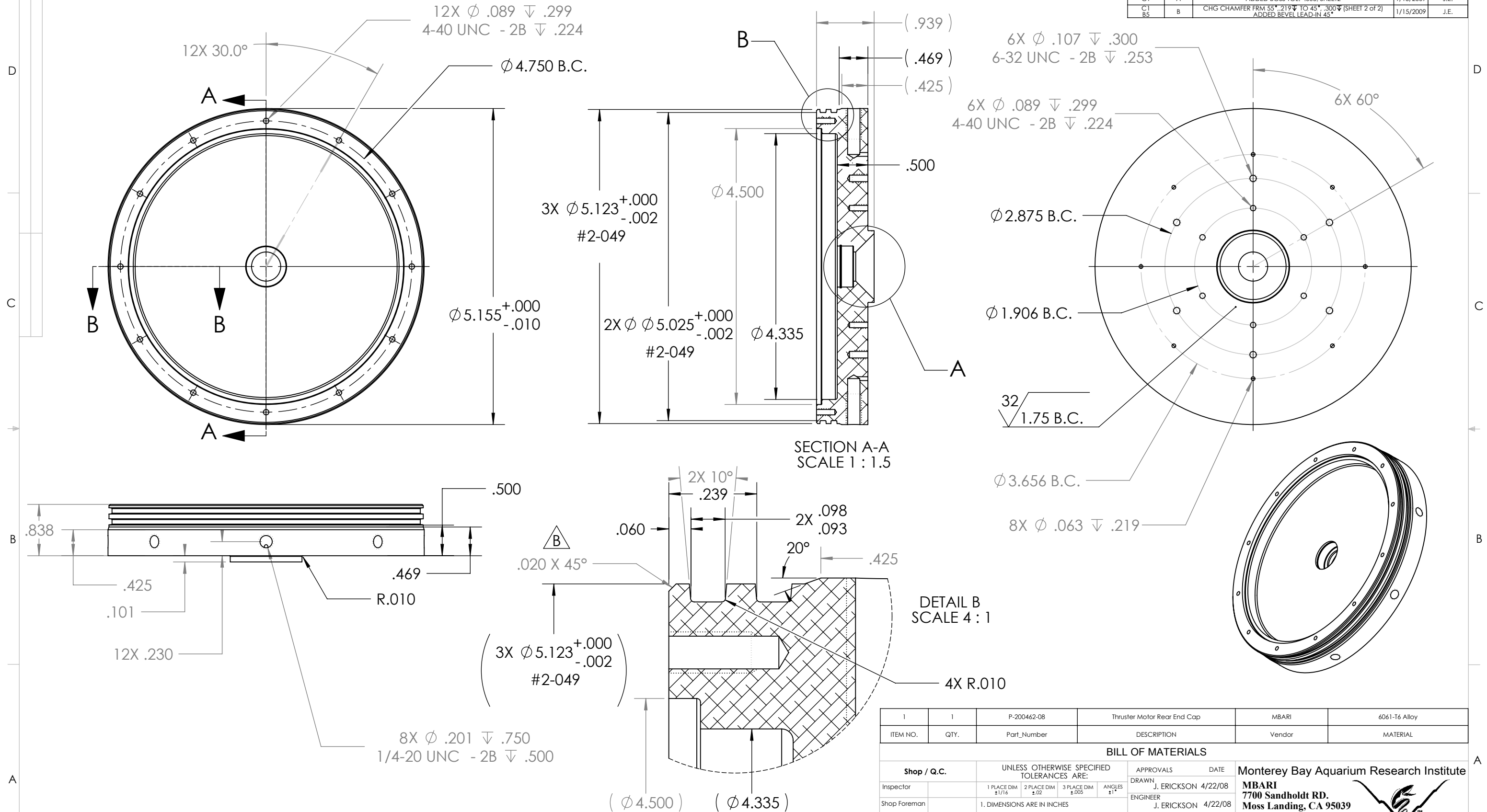


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.

REVISIONS					
INITIAL RELEASE				X/XX/01	J.E.
ZONE	REV.	DESCRIPTION		DATE	APPROVED
C1	A	ADDED BOSS TOL. -.005, SHEET2		1/15/2009	J.E.
C1 B5	B	CHG CHAMFER FRM 55°.219"✓ TO 45°.300"✓ (SHEET 2 of 2) ADDED BEVEL LEAD-IN 45°		1/15/2009	J.E.



9. Q.C. (INSPECTION) REPORT REQUIRED FOR EACH PIECE.

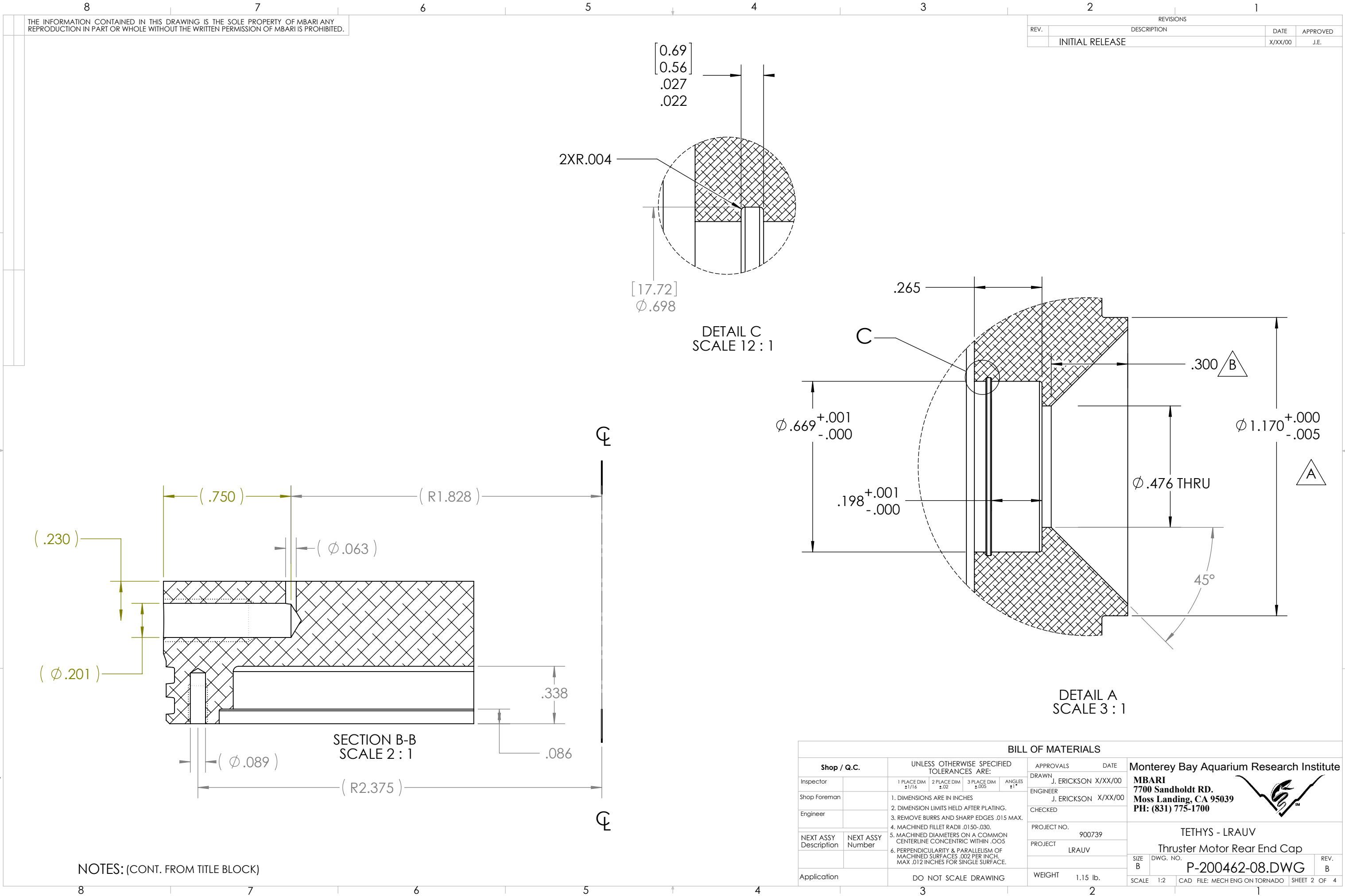
8. Finish: HARD BLACK ANODIZE IN ACCORDANCE WITH MIL-A-8625F Type III (.001 THICK) TEFLON COAT.

7. PROJECT LIBRARY:\900739.LRAUV\Project.Drawings\Project.ME.Dwgs\LRAUV\ThrusterAssembly

NOTES: (CONT. FROM TITLE BLOCK)

1	1	P-200462-08	Thruster Motor Rear End Cap	MBARI	6061-T6 Alloy
ITEM NO.	QTY.	Part_Number	DESCRIPTION	Vendor	MATERIAL

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  TETHYS - LRAUV Thruster Motor Rear End Cap SIZE B DWG. NO. P-200462-08.DWG REV. B SCALE 1:2 CAD FILE: MECH ENG ON TORNADO SHEET 1 OF 4	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	J. ERICKSON 4/22/08				
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADIUS .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.				ENGINEER	J. ERICKSON 4/22/08				
Engineer						CHECKED					
						PROJECT NO.	900739				
NEXT ASSY Description						PROJECT	LRAUV				
	A-200503-08										
Application		DO NOT SCALE DRAWING				WEIGHT	1.15 lb.				



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
	INITIAL RELEASE	X/XX/00	J.E.

[0.69]
[0.56]
.027
.022

[17.72]
Ø.698

DETAIL C
SCALE 12 : 1

.265

C

.300 B

Ø.669^{+.001}_{-.000}

.198^{+.001}_{-.000}

Ø.476 THRU

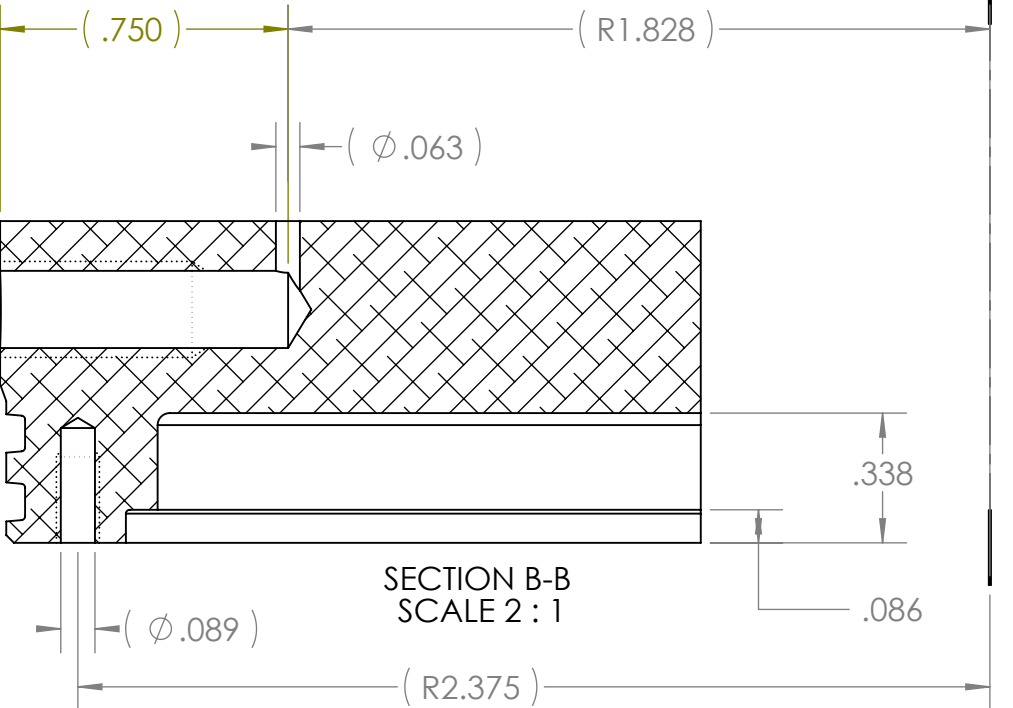
Ø 1.170^{+.000}_{-.005}

A

45°

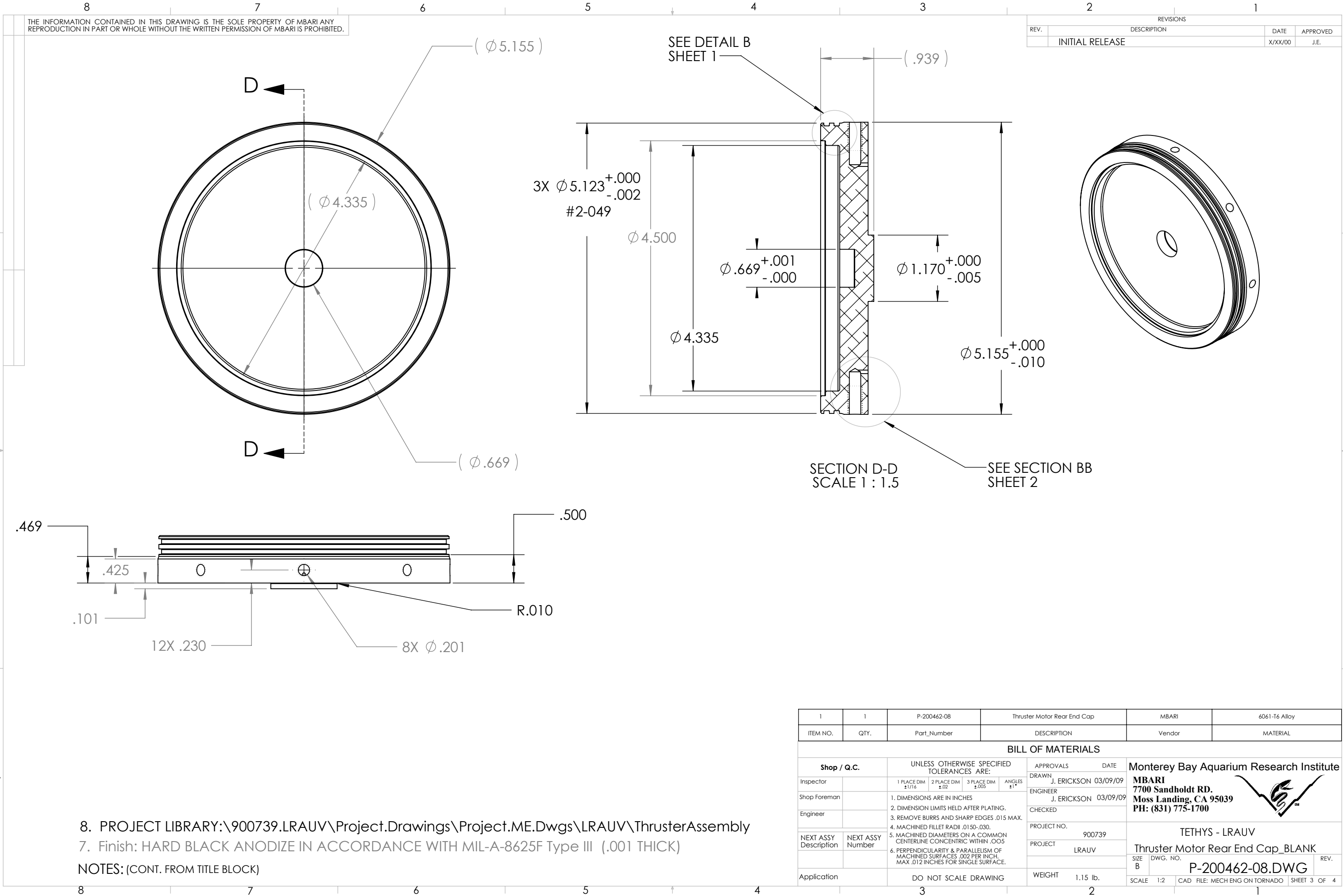
DETAIL A
SCALE 3 : 1

SECTION B-B
SCALE 2 : 1



NOTES: (CONT. FROM TITLE BLOCK)

BILL OF MATERIALS			
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02
Shop Foreman		3 PLACE DIM ±.005	ANGLES ±1°
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	APPROVALS DATE	
		DRAWN J. ERICKSON X/XX/00	
		ENGINEER J. ERICKSON X/XX/00	
		CHECKED	
		PROJECT NO. 900739	
		PROJECT LRAUV	
		WEIGHT 1.15 lb.	
Application		DO NOT SCALE DRAWING	
		Monterey Bay Aquarium Research Institute	
		MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700	
		TETHYS - LRAUV	
		Thruster Motor Rear End Cap	
		SIZE B	REV. B
		DWG. NO. P-200462-08.DWG	
		SCALE 1:2	SHEET 2 OF 4
		CAD FILE: MECH ENG ON TORNADO	



87654321

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
	INITIAL RELEASE	X/XX/00	J.E.

D

C

B

A

87654321

NOTES: (CONT. FROM TITLE BLOCK)

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	
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.		ENGINEER J. ERICKSON	
		3. REMOVE BURRS AND SHARP EDGES .015 MAX.		CHECKED	
		4. MACHINED FILLET RADII .0150-.030.		PROJECT NO. 900739	
NEXT ASSY Description	NEXT ASSY Number	5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005		PROJECT LRAUV	
	A-200503-08	6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.			
Application		DO NOT SCALE DRAWING		WEIGHT 1.15 lb.	

87654321

Monterey Bay Aquarium Research Institute

MBARI

7700 Sandholdt RD.

Moss Landing, CA 95039

PH: (831) 775-1700



TETHYS - LRAUV

Thruster Motor Rear End Cap

SIZE B

DWG. NO. P-200462-08.DWG

REV.

SCALE 1:2

CAD FILE: MECH ENG ON TORNADO

SHEET 4 OF 4