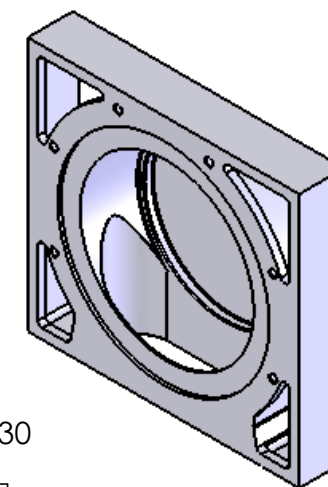


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE	4/1/2014	



SECTION A-A
SCALE 1 : 3

HOLES BOTH
SIDES OF PART

6 X 1/4-20 UNC-2B
 ▾.75 FULTHREAD

	.014	A	B	C
---	------	---	---	---

.100	
	.005
	.010

Technical drawing of a vertical assembly. The drawing shows a central vertical component with three horizontal sections. The dimensions are as follows:

- Top horizontal section: 2×1.125
- Middle horizontal section: 2×3.000
- Bottom horizontal section: $2 \times .750$

The vertical distance between the centerlines of the middle and bottom sections is 2×3.000 . The vertical distance between the centerline of the top section and the centerline of the middle section is 2×3.000 . The vertical distance between the centerline of the middle section and the centerline of the bottom section is 2×3.000 . The vertical distance between the centerline of the top section and the centerline of the bottom section is 2×3.000 .

32/

BC $\varnothing 7.000$

6 X 1/4-20 UNC-2B
 ∇ THRU

$\varnothing$	.014	A	B	C
---------------	------	---	---	---

22.5°

3.750

A

A

B

∇	.015	A
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8.000

6 X 1/4-20 UNC-2B
 ▾ THRU

	.014	A	B	C
---	------	---	---	---

$\frac{1}{100}$	.015	A
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[illegible]

Technical drawing of a square plate with a central circular hole. The drawing includes dimensions: .188 for plate thickness, 5.30 for hole diameter, 5.50 for outer square dimension, and 5.100 for inner circular feature diameter. It also shows a 1/4 NPT thru hole and various feature control frames for position, circular runout, and circular runout.

1/4 NPT ∇ thru

	.02 (M)	A	B	C
---	---------	---	---	---

$\varnothing$ 5.100				
	.02	A	B	C

SECTION C-C
SCALE 1 : 3

32

2 x R.828

3.375

2 x 5.000

2 x 1.500

1.263

4 X 1/4-20 UNC-2B
▽.75 FULL THREAD

Geometric Tolerances:
 Surface Finish: .010, .015 C
 Parallelism: .010 A B
 Circular Runout: .015 A B C
 Position: .014 A B C

SECTION C-C
SCALE 1 : 3

2 x R.828

4 X 1/4-20 UNC-2B
 ▾.75 FULL THREAD

	.014	A	B	C
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ANODIZE PER MIL-9625F TYPE-III CLASS-1
DO NOT APPLY SEALER TO ANODIZE COATING
Chamfers and countersink details are not noted on this sheet for clarity

8 EACH 6061 T-6

BILL OF MATERIALS										
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS DATE		Monterey Bay Aquarium Research Institute		
Inspector		1 PLACE DIM ±.1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN C OKUDA	4/1/2014	MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 		
Shop Foreman		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.				ENGINEER C OKUDA	4/1/2014			
Engineer						CHECKED				
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO. ocean acidification		BRS CHAMBER BASE 3		
						PROJECT 901202				
Application		DO NOT SCALE DRAWING				WEIGHT		SIZE B	DWG. NO. 10020424DWG	REV. -
								SCALE 1:4	CAD FILE: MECH ENG ON TORNADO	SHEET 1 OF 2