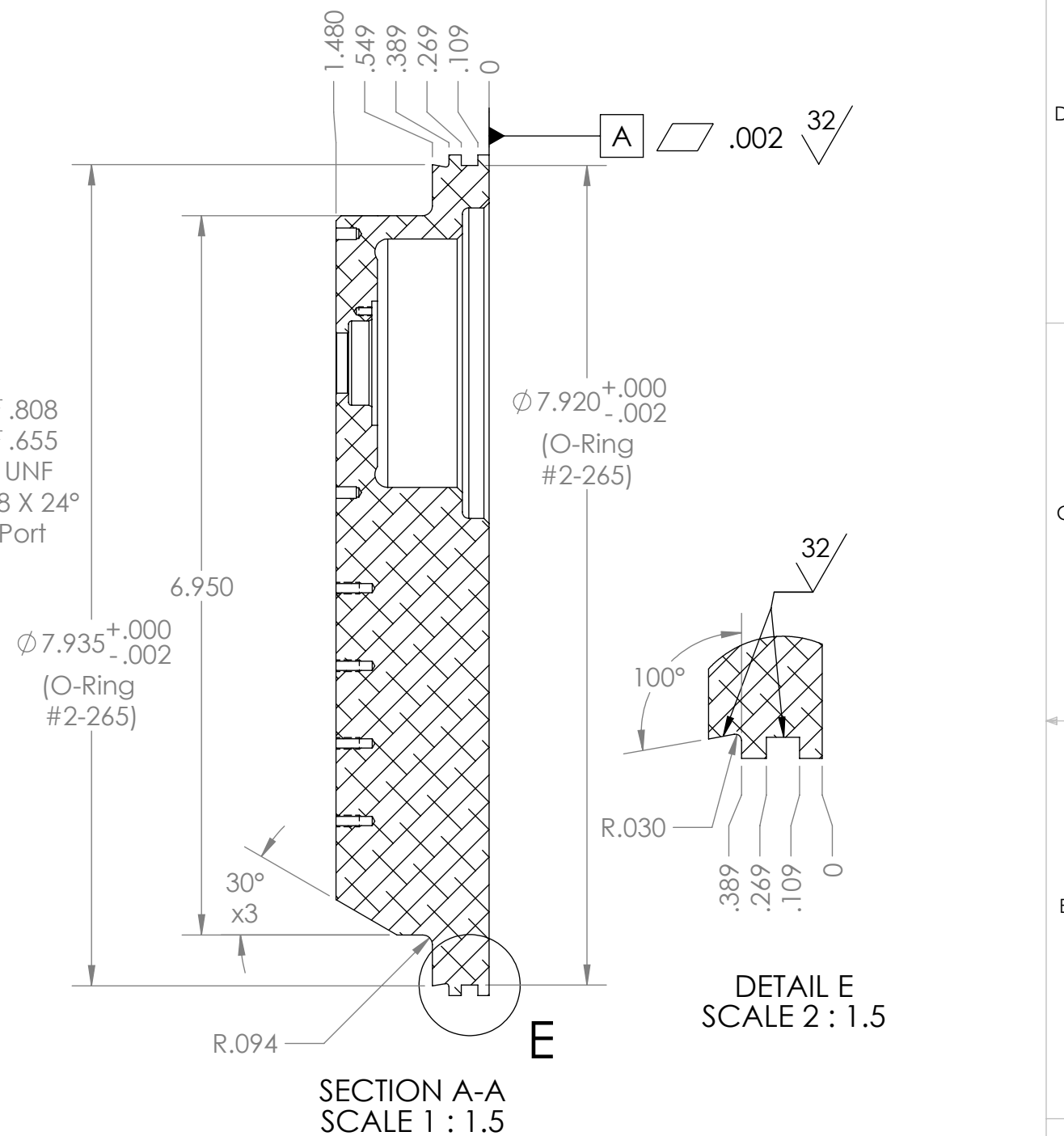
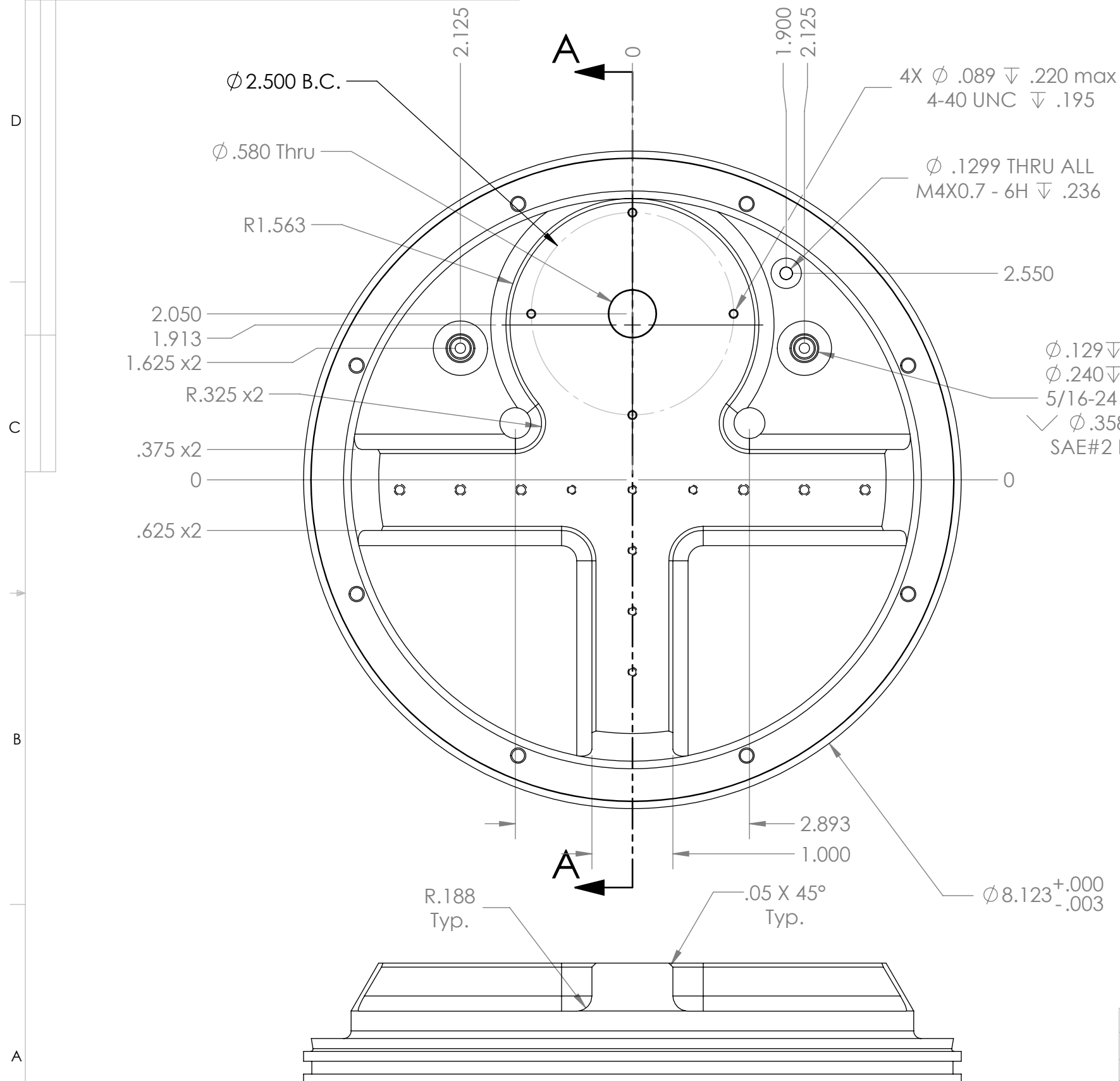


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A.13	INITIAL RELEASE		



BILL OF MATERIALS					
NEXT ASSY Description	NEXT ASSY Number	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:		APPROVALS	DATE
		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°
THIRD ANGLE PROJECTION		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.			
		DO NOT SCALE DRAWING			
		ENGINEER		MONTEREY BAY AQUARIUM RESEARCH INSTITUTE MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
		CHECKED		PROJECT NO. Pump Bulkhead Assembly	
		PROJECT		P-201641-14	
		WEIGHT		SIZE B	DWG. NO. 201641
				SCALE 1:2	CAD FILE: SHEET 1 OF 4

HARD BLACK ANODIZE IN ACCORDANCE WITH MIL-A-8625F Type III (.001 THICK)

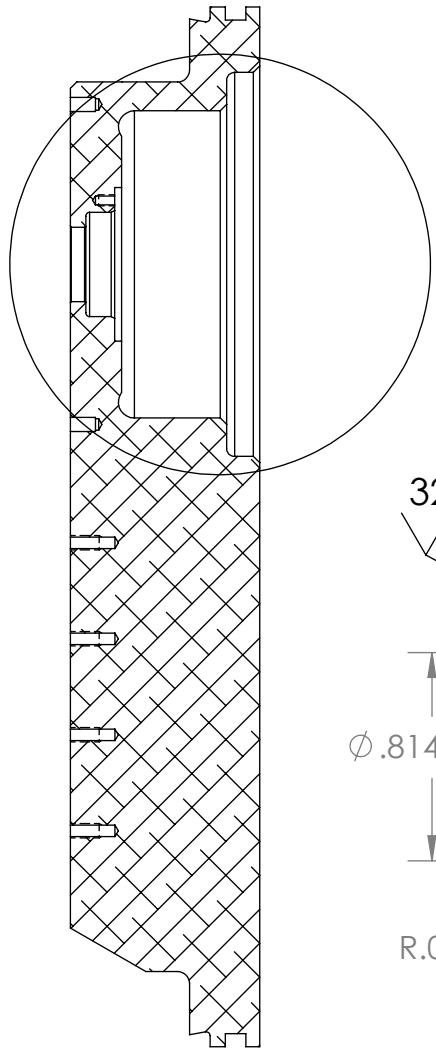
Status: In Design

Material: 6061-T6

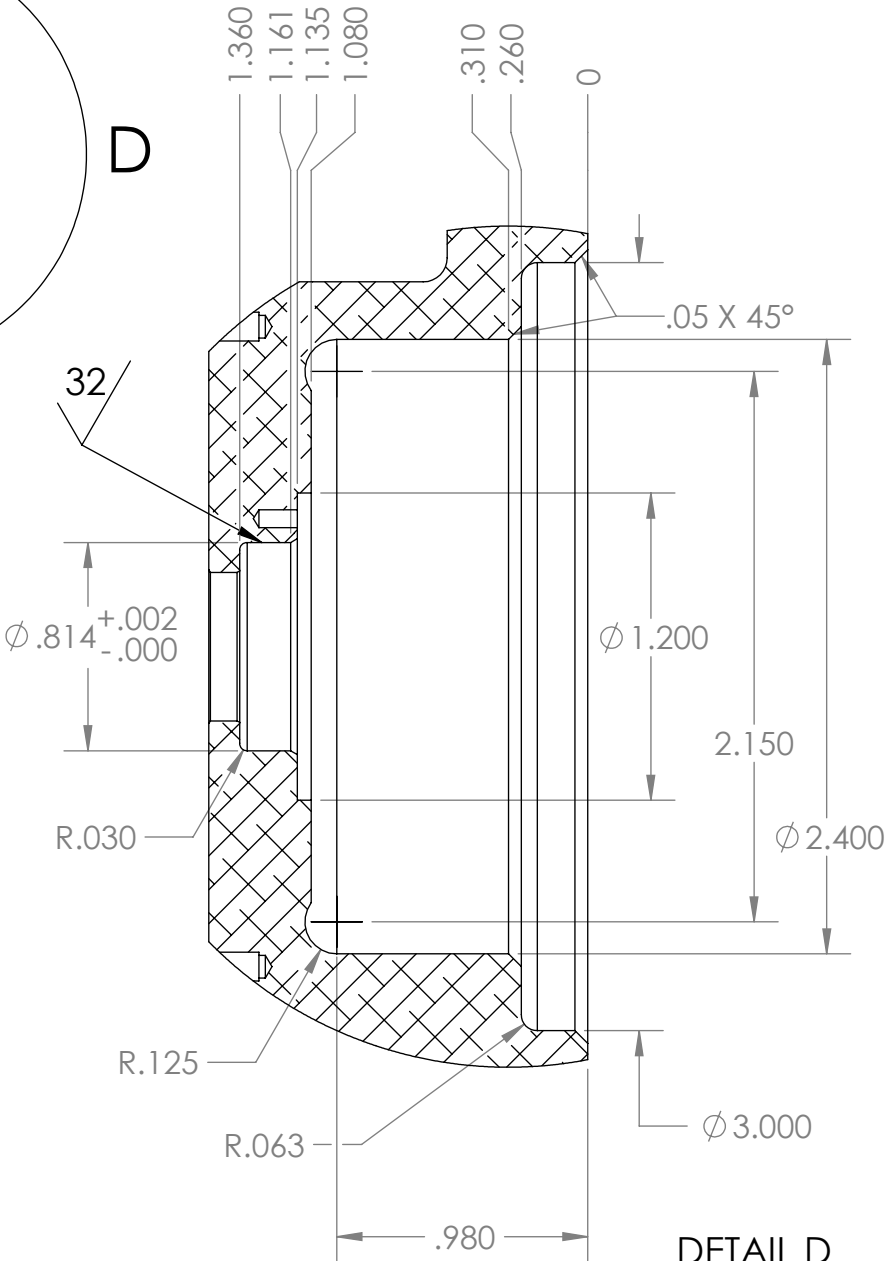
Last Saved: 8/15/2018 8:35:13 AM

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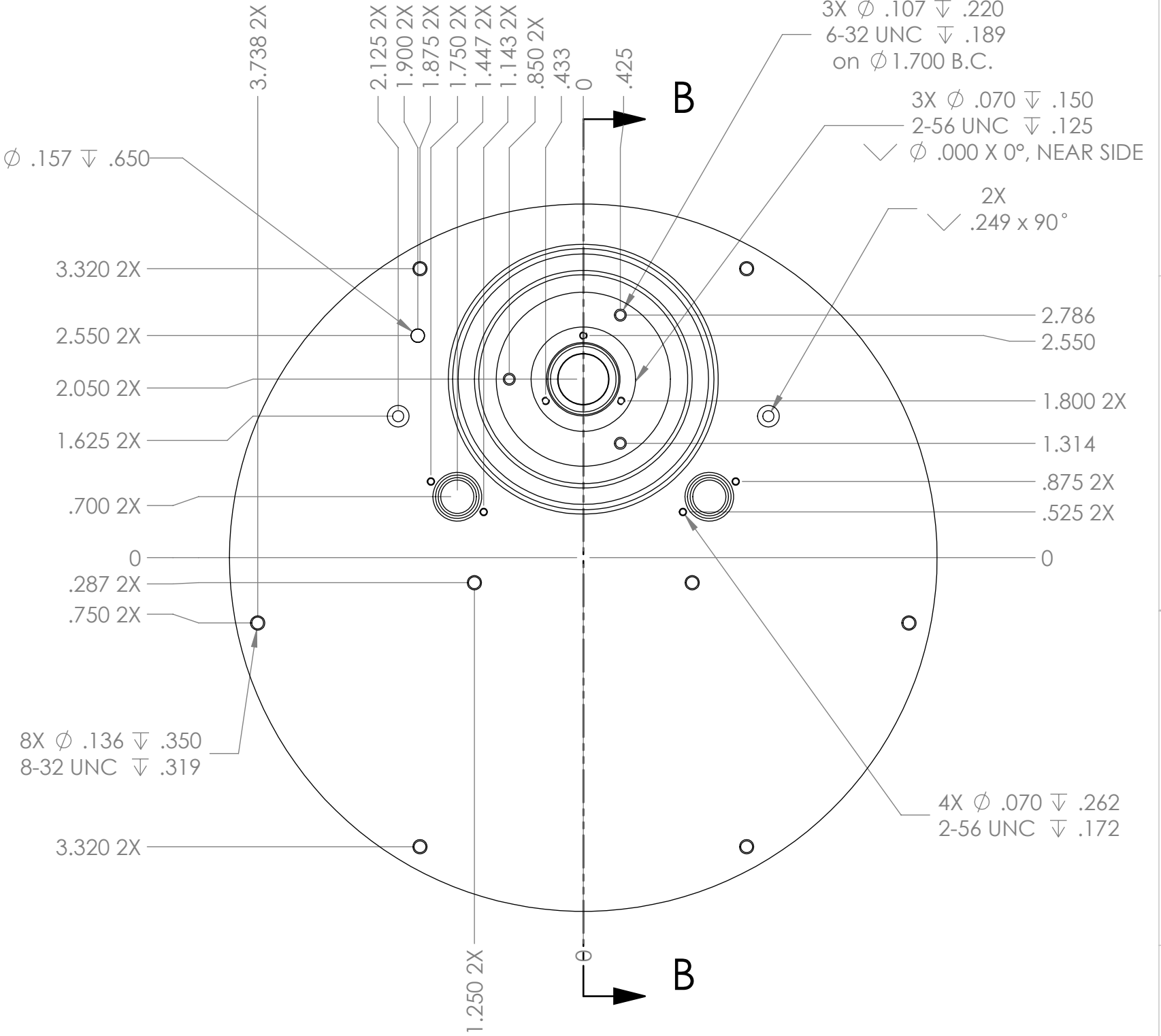
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A.13	INITIAL RELEASE		



SECTION B-B
SCALE 1 : 1.5



DETAIL D
SCALE 2 : 1.5

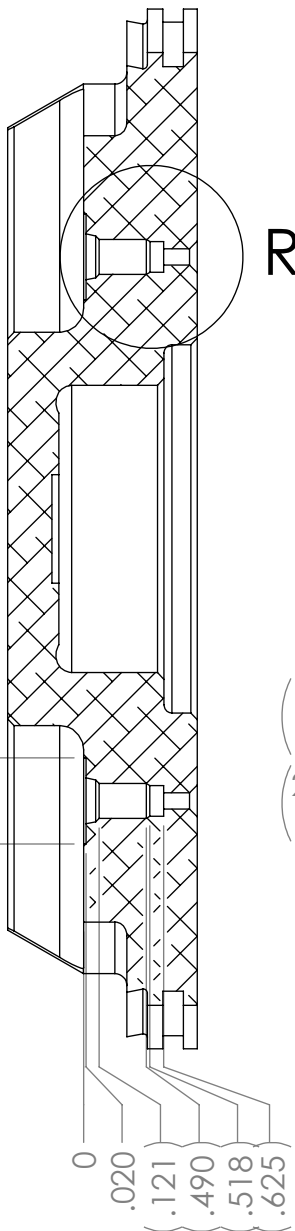


BILL OF MATERIALS			
NEXT ASSY Description	NEXT ASSY Number	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	APPROVALS DATE
		1 PLACE DIM ±1/16 2 PLACE DIM ±.02 3 PLACE DIM ±.005 ANGLES ±1°	DRAWN 3/19/2014 ENGINEER CHECKED PROJECT NO. Pump Bulkhead Assembly PROJECT
THIRD ANGLE PROJECTION		1. DIMENSIONS ARE 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.	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700
		DO NOT SCALE DRAWING	WEIGHT
			SIZE B DWG. NO. 201641 REV. A.13
			SCALE 1:2 CAD FILE: SHEET 2 OF 4

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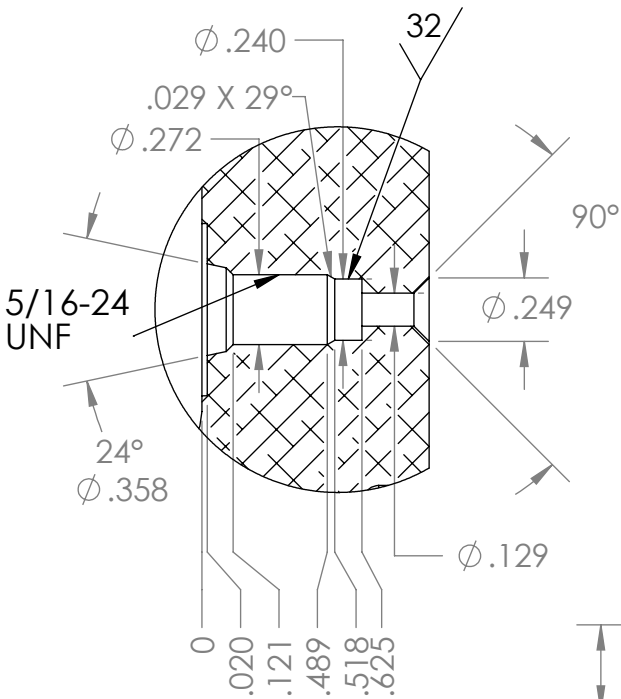
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A.13	INITIAL RELEASE		

SECTION C-C
SCALE 1 : 1.5

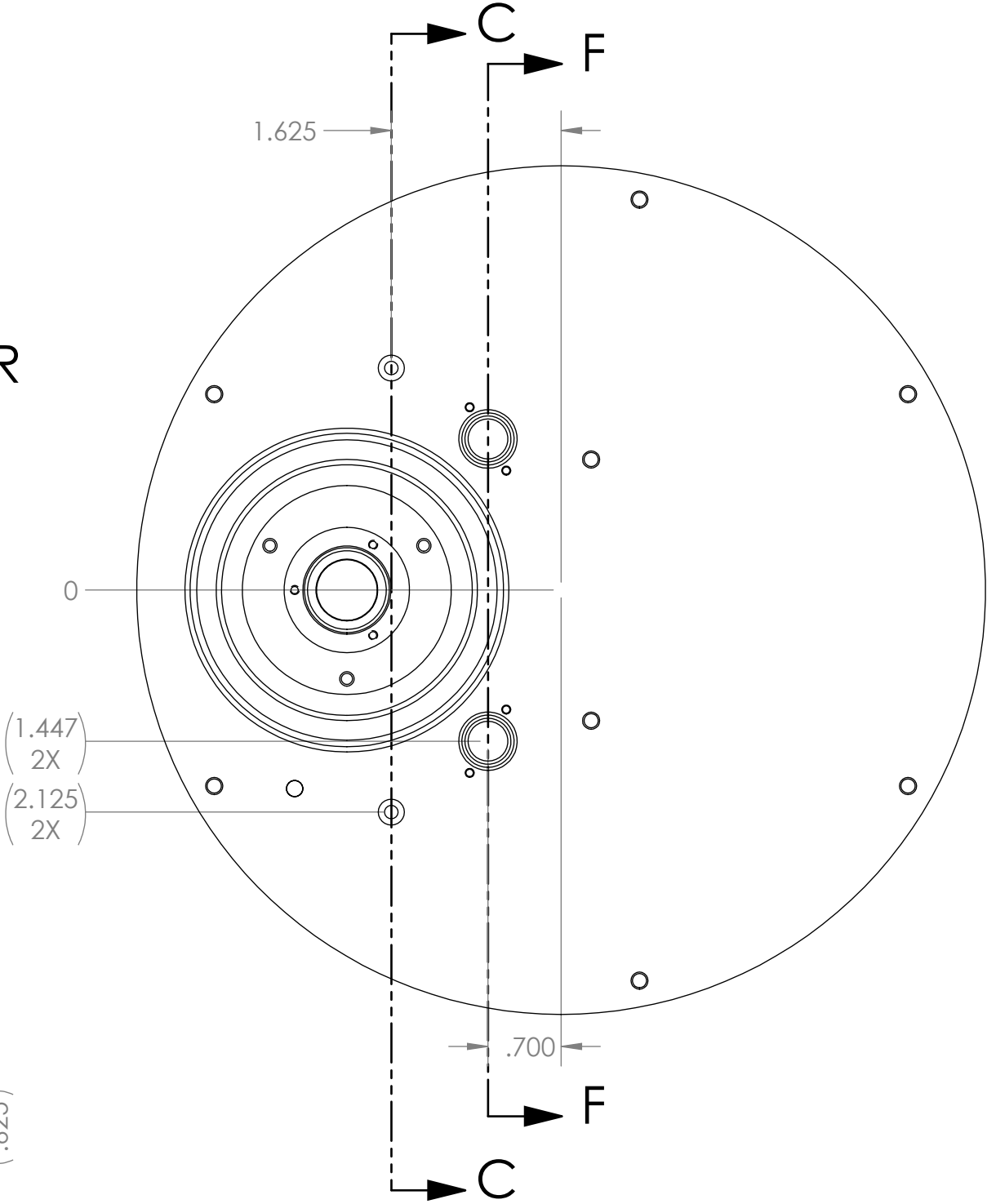


DETAIL R 2X
SCALE 2 : 1.5

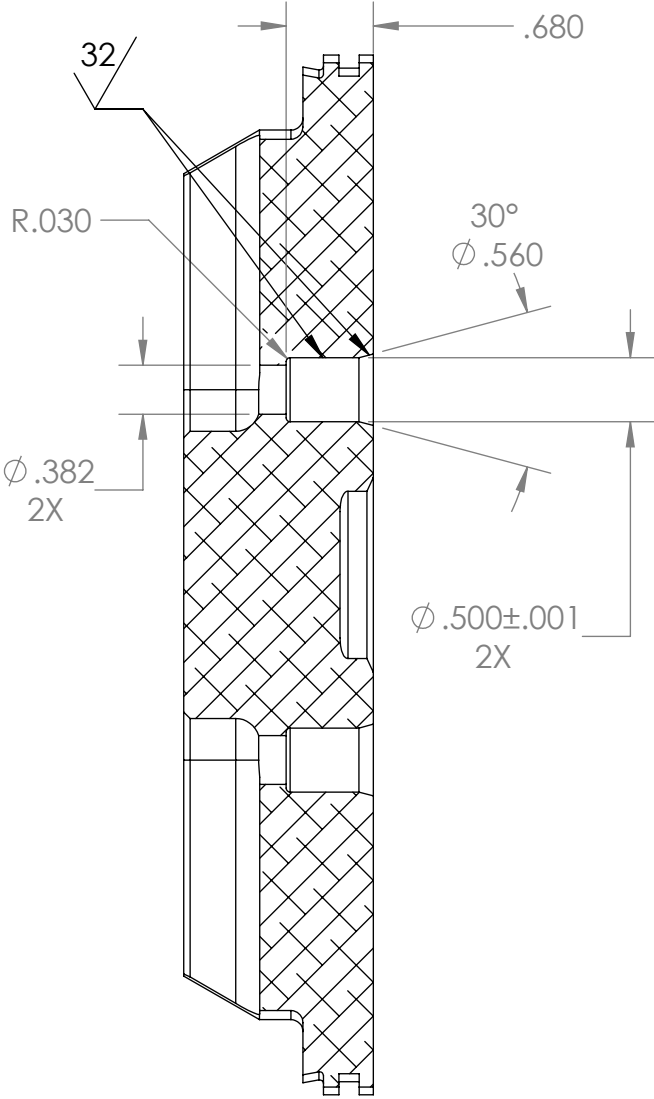
O-Ring #2-006
SAE#2 Port



$\phi .672$ Spotface
 $\downarrow .020$ 2X



SECTION F-F
SCALE 1 : 1.5
2X



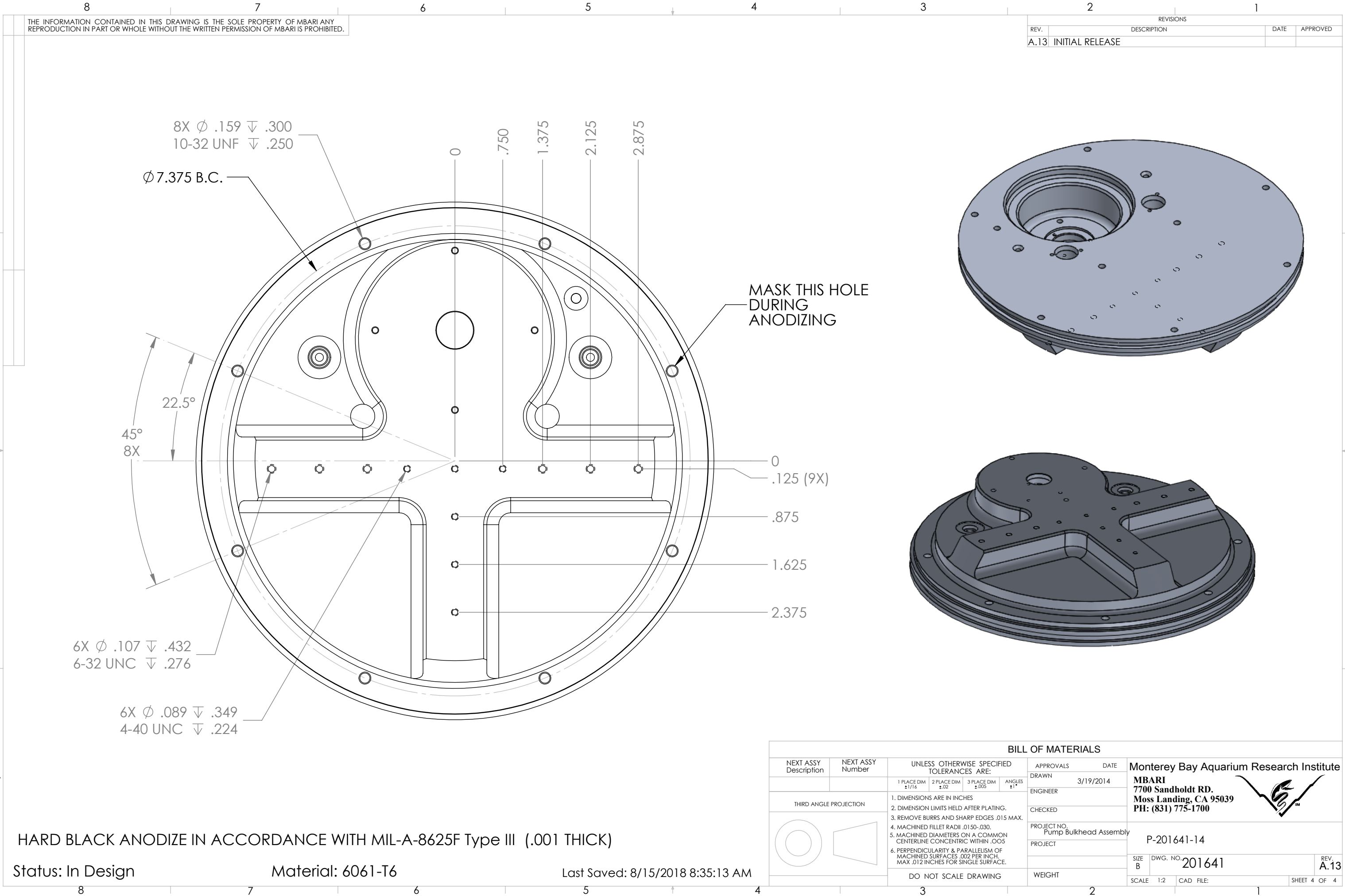
HARD BLACK ANODIZE IN ACCORDANCE WITH MIL-A-8625F Type III (.001 THICK)

Status: In Design

Material: 6061-T6

Last Saved: 8/15/2018 8:35:13 AM

BILL OF MATERIALS			
NEXT ASSY Description	NEXT ASSY Number	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	APPROVALS DATE
		1 PLACE DIM $\pm 1/16$	DRAWN 3/19/2014
		2 PLACE DIM $\pm .02$	ENGINEER
		3 PLACE DIM $\pm .005$	CHECKED
		ANGLES $\pm 1^\circ$	PROJECT NO. Pump Bulkhead Assembly
			PROJECT
			WEIGHT
THIRD ANGLE PROJECTION		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.	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700
		DO NOT SCALE DRAWING	P-201641-14
			SIZE B DWG. NO. 201641 REV. A.13
			SCALE 1:2 CAD FILE: SHEET 3 OF 4



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A.13	INITIAL RELEASE		

8X ϕ .159 ∇ .300
10-32 UNF ∇ .250

ϕ 7.375 B.C.

MASK THIS HOLE
DURING
ANODIZING

45°
8X
22.5°

6X ϕ .107 ∇ .432
6-32 UNC ∇ .276

6X ϕ .089 ∇ .349
4-40 UNC ∇ .224

0
.125 (9X)

.875

1.625

2.375

BILL OF MATERIALS

NEXT ASSY Description	NEXT ASSY Number	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS	DATE	Monterey Bay Aquarium Research Institute		
		1 PLACE DIM $\pm 1/16$	2 PLACE DIM $\pm .02$	3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$	DRAWN	3/19/2014	MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700		
						ENGINEER				
						CHECKED		P-201641-14		
						PROJECT NO. Pump Bulkhead Assembly				
						PROJECT		SIZE B		
						WEIGHT				
								SCALE 1:2	CAD FILE:	SHEET 4 OF 4

HARD BLACK ANODIZE IN ACCORDANCE WITH MIL-A-8625F Type III (.001 THICK)

Status: In Design

Material: 6061-T6

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REV. A.13