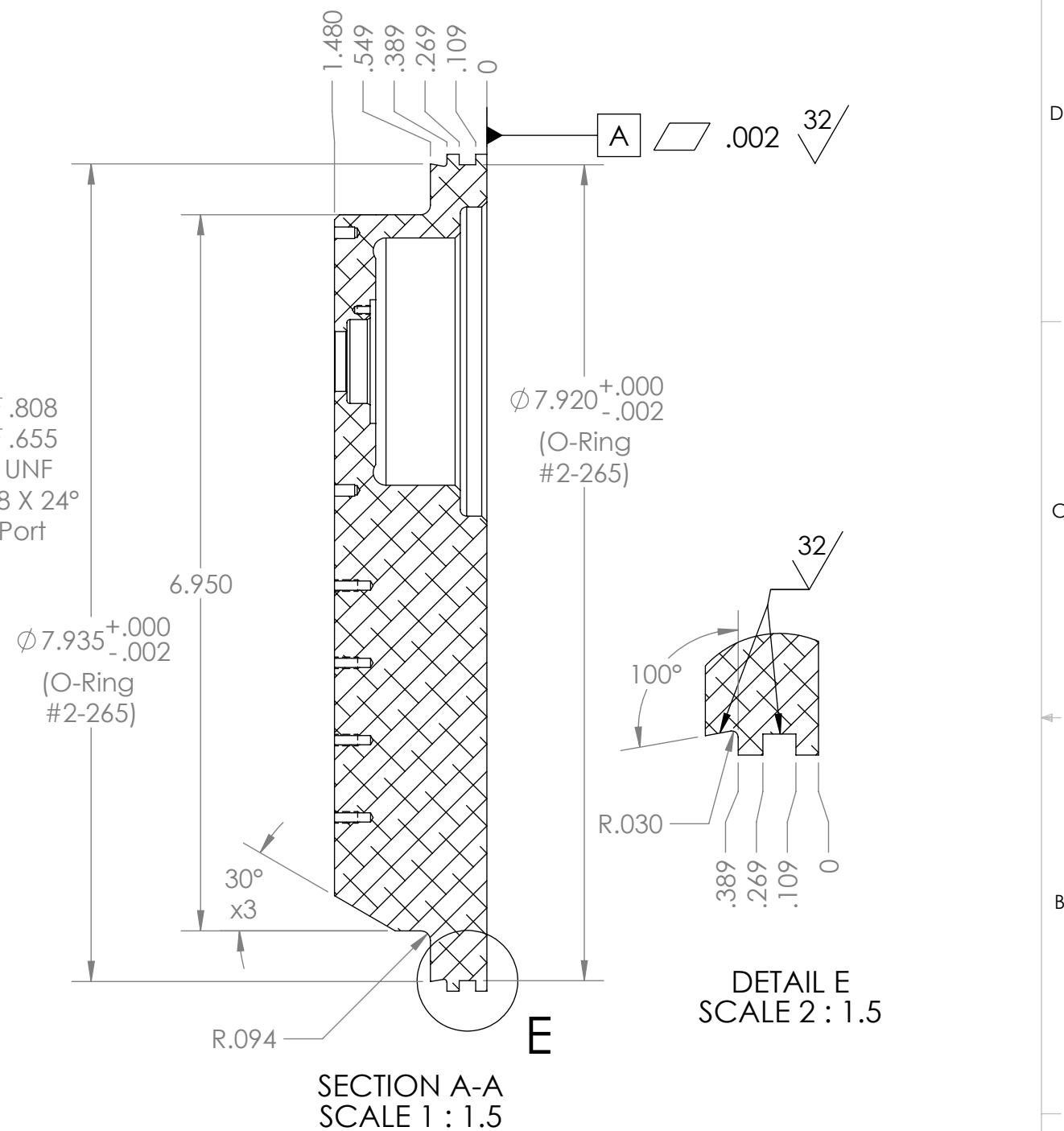
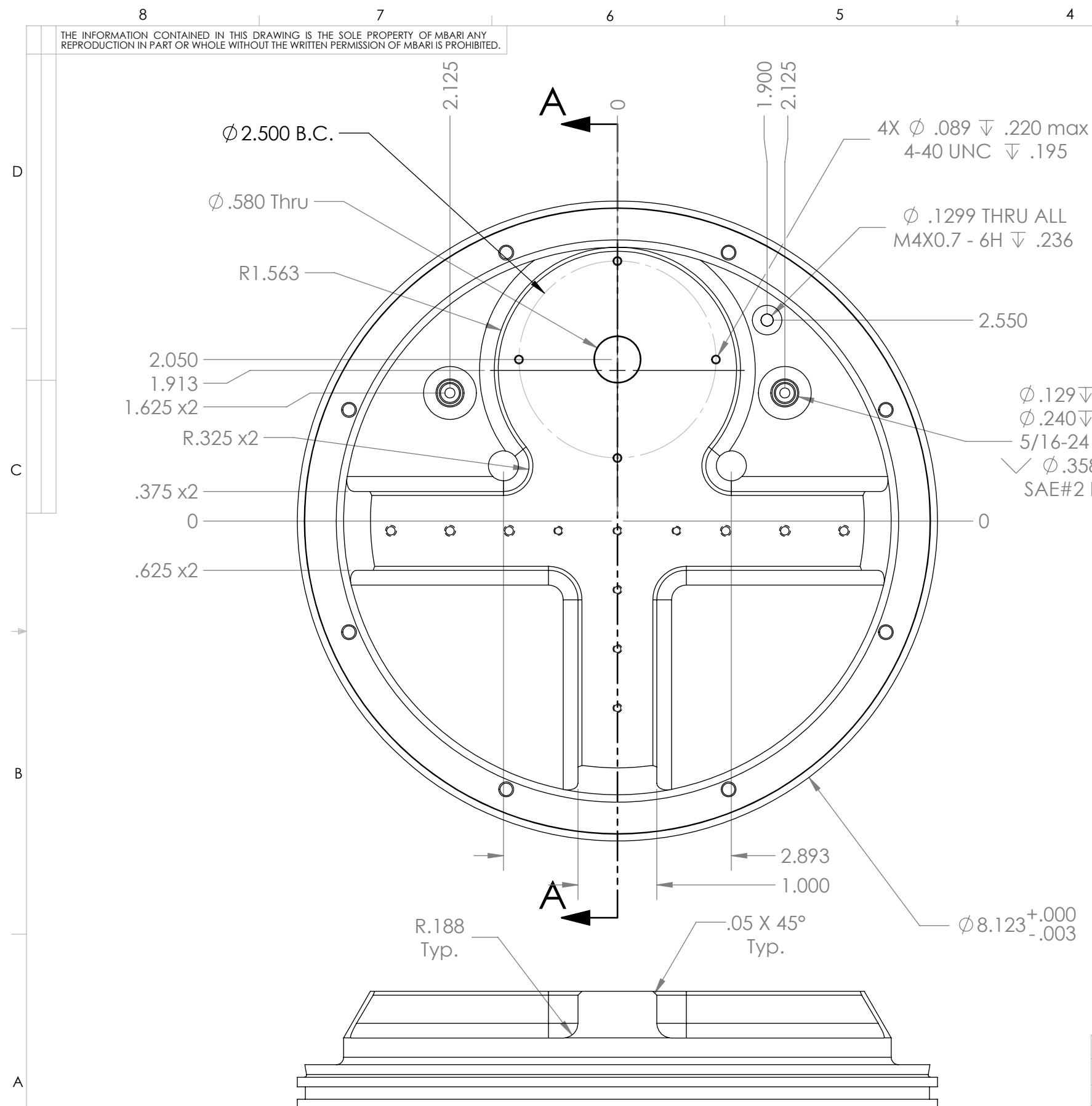


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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A.14	INITIAL RELEASE		



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

Status: In Design

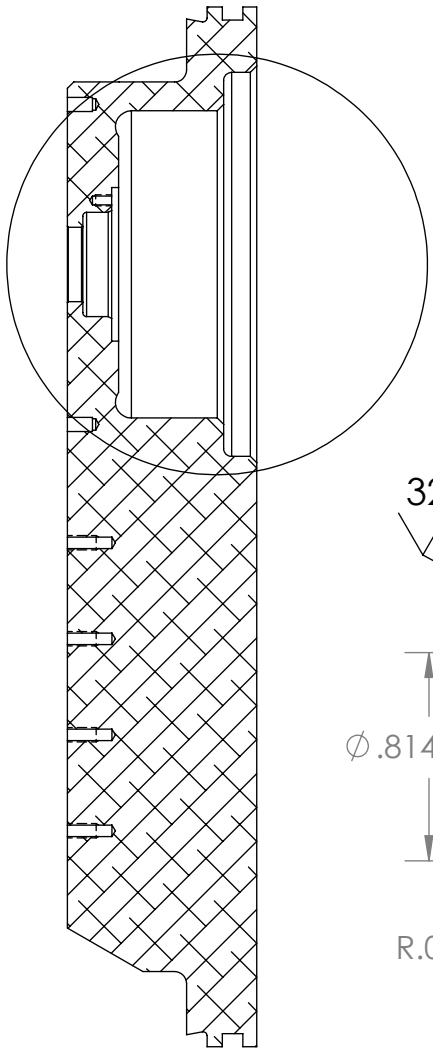
Material: 6061-T6

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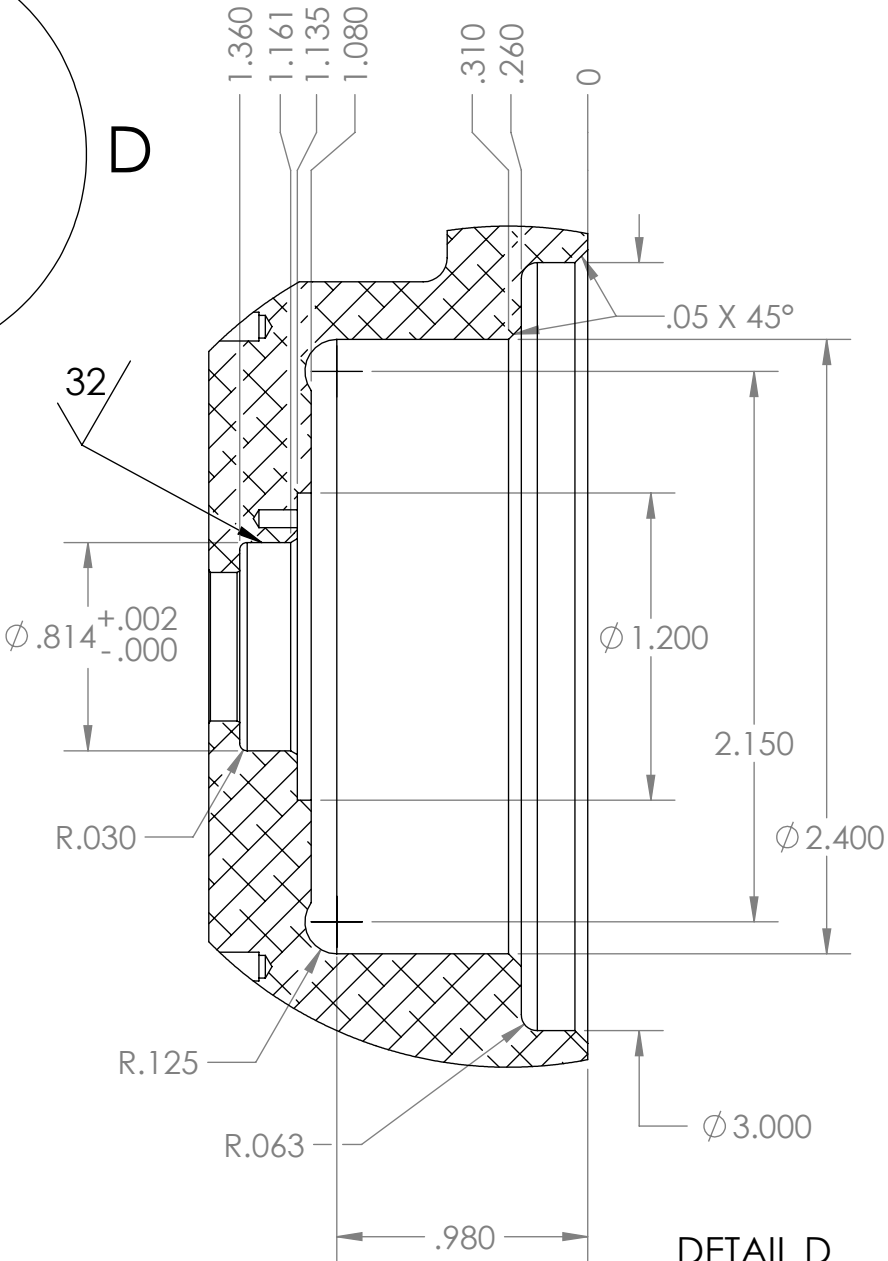
BILL OF MATERIALS									
NEXT ASSY Description	NEXT ASSY Number	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS	DATE	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 		
		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°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

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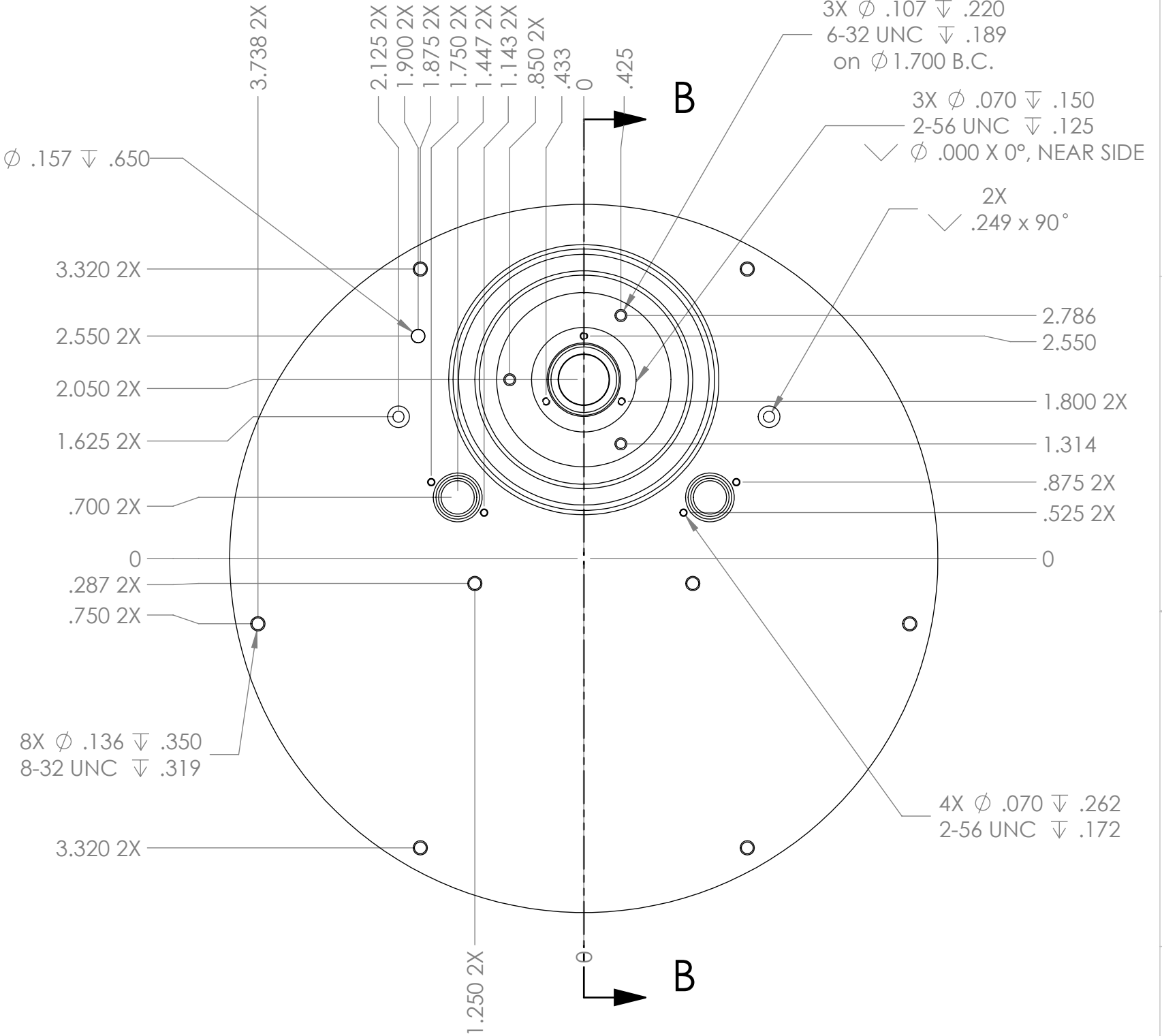
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A.14	INITIAL RELEASE		



SECTION B-B
SCALE 1 : 1.5



DETAIL D
SCALE 2 : 1.5



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

Status: In Design

Material: 6061-T6

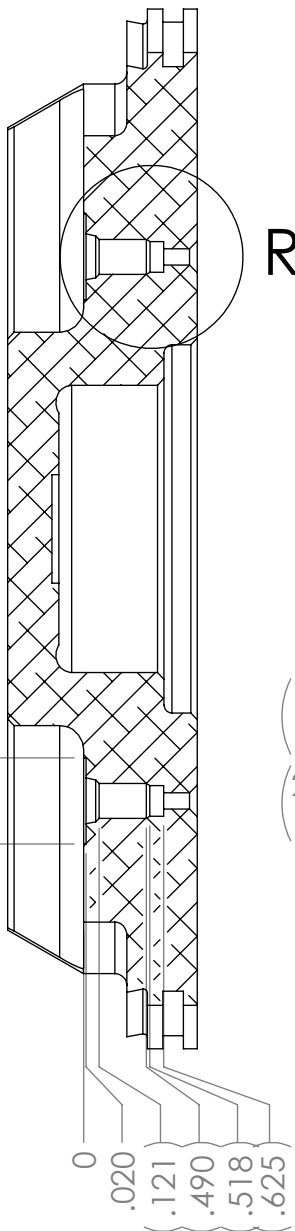
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NEXT ASSY Description	NEXT ASSY Number	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	APPROVALS DATE
		1 PLACE DIM ±1/16 2 PLACE DIM ±.02 3 PLACE DIM ±.005 ANGLES ±1°	DRAWN 3/19/2014
THIRD ANGLE PROJECTION		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS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

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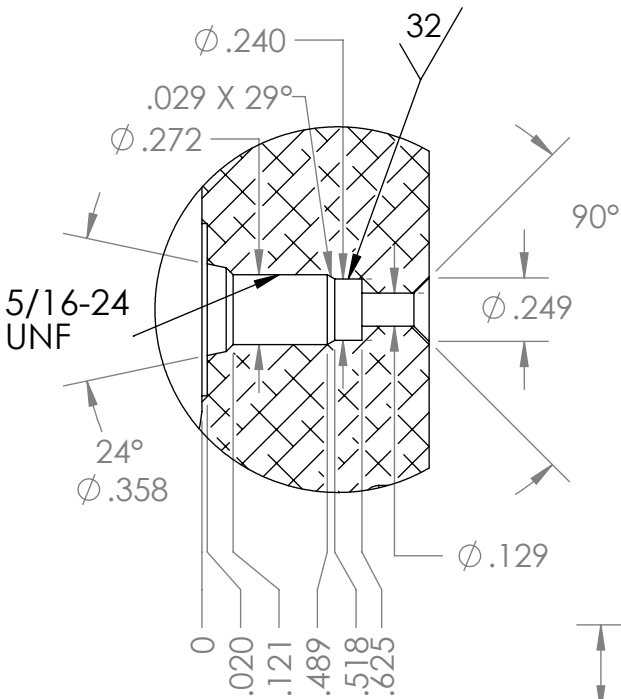
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A.14	INITIAL RELEASE		

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

R

(1.447)
2X
(2.125)
2X

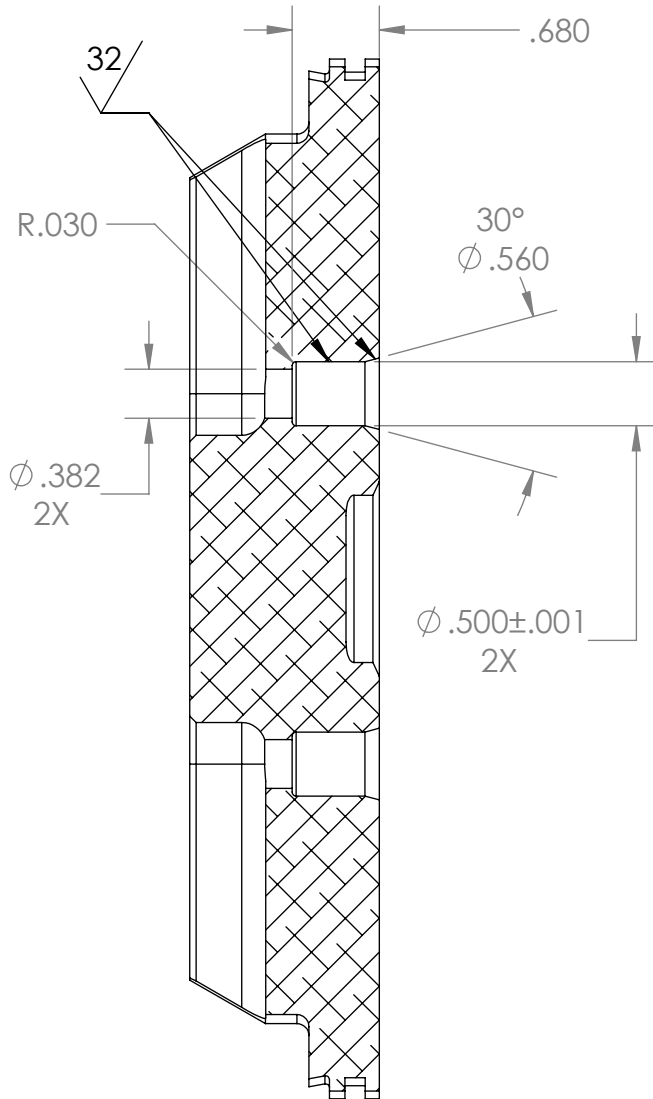
1.625

C F

F C

.700

SECTION F-F
SCALE 1 : 1.5
2X



R.030

30°
 $\phi .560$

$\phi .500 \pm .001$
2X

$\phi .382$
2X

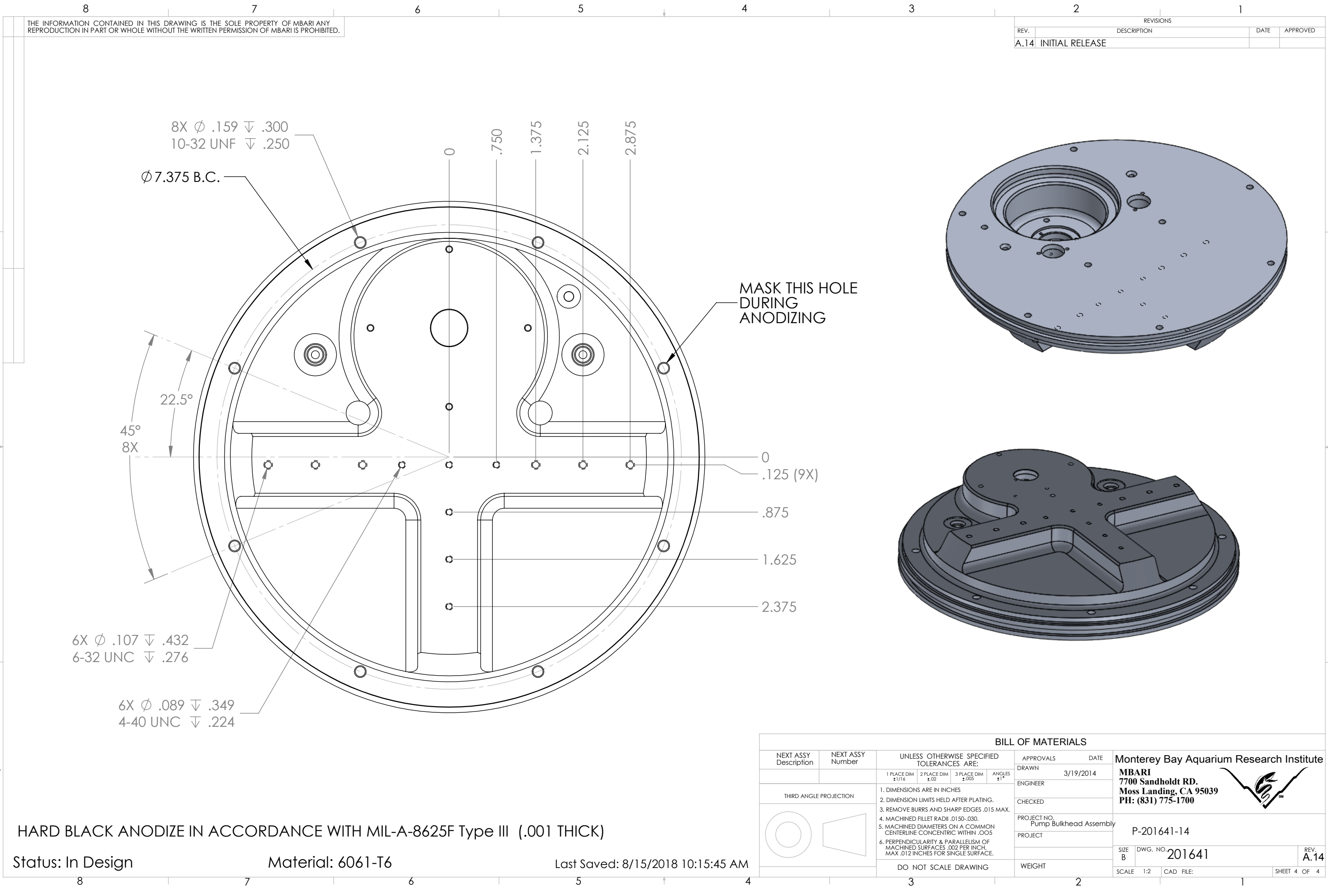
HARD BLACK ANODIZE IN ACCORDANCE WITH MIL-A-8625F Type III (.001 THICK)

Status: In Design

Material: 6061-T6

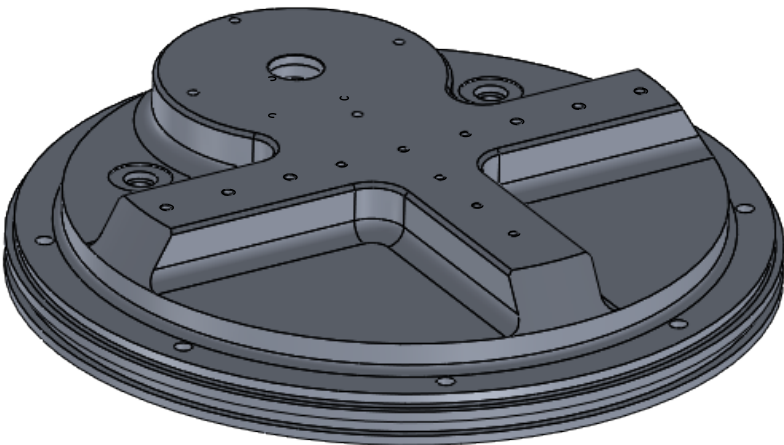
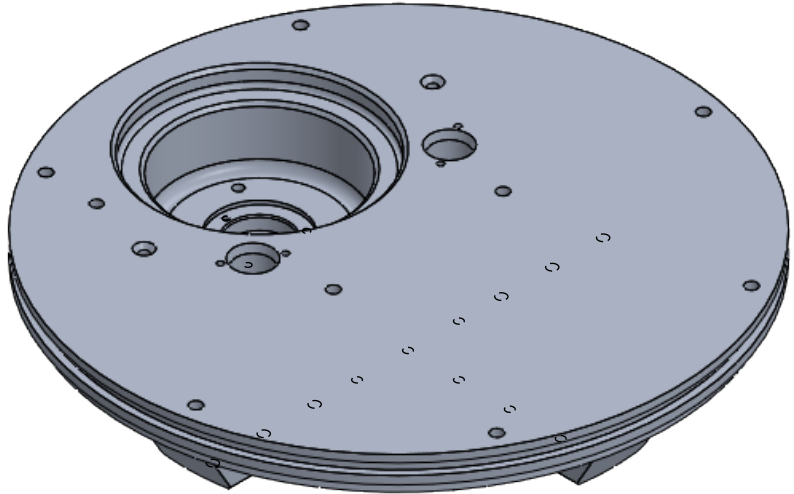
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BILL OF MATERIALS			
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		1 PLACE DIM $\pm 1/16$	DRAWN 3/19/2014
		2 PLACE DIM $\pm .02$	ENGINEER
		3 PLACE DIM $\pm .005$	CHECKED
		ANGLES $\pm 1^\circ$	PROJECT NO. Pump Bulkhead Assembly
			PROJECT
			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.14
			SCALE 1:2 CAD FILE: SHEET 3 OF 4



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A.14	INITIAL RELEASE		



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

Status: In Design

Material: 6061-T6

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BILL OF MATERIALS									
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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.				ENGINEER		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700	
						CHECKED			
		DO NOT SCALE DRAWING				PROJECT NO. Pump Bulkhead Assembly		P-201641-14	
						PROJECT			
						SIZE B		DWG. NO. 201641	REV. A.14
						WEIGHT			
						SCALE 1:2		CAD FILE:	SHEET 4 OF 4