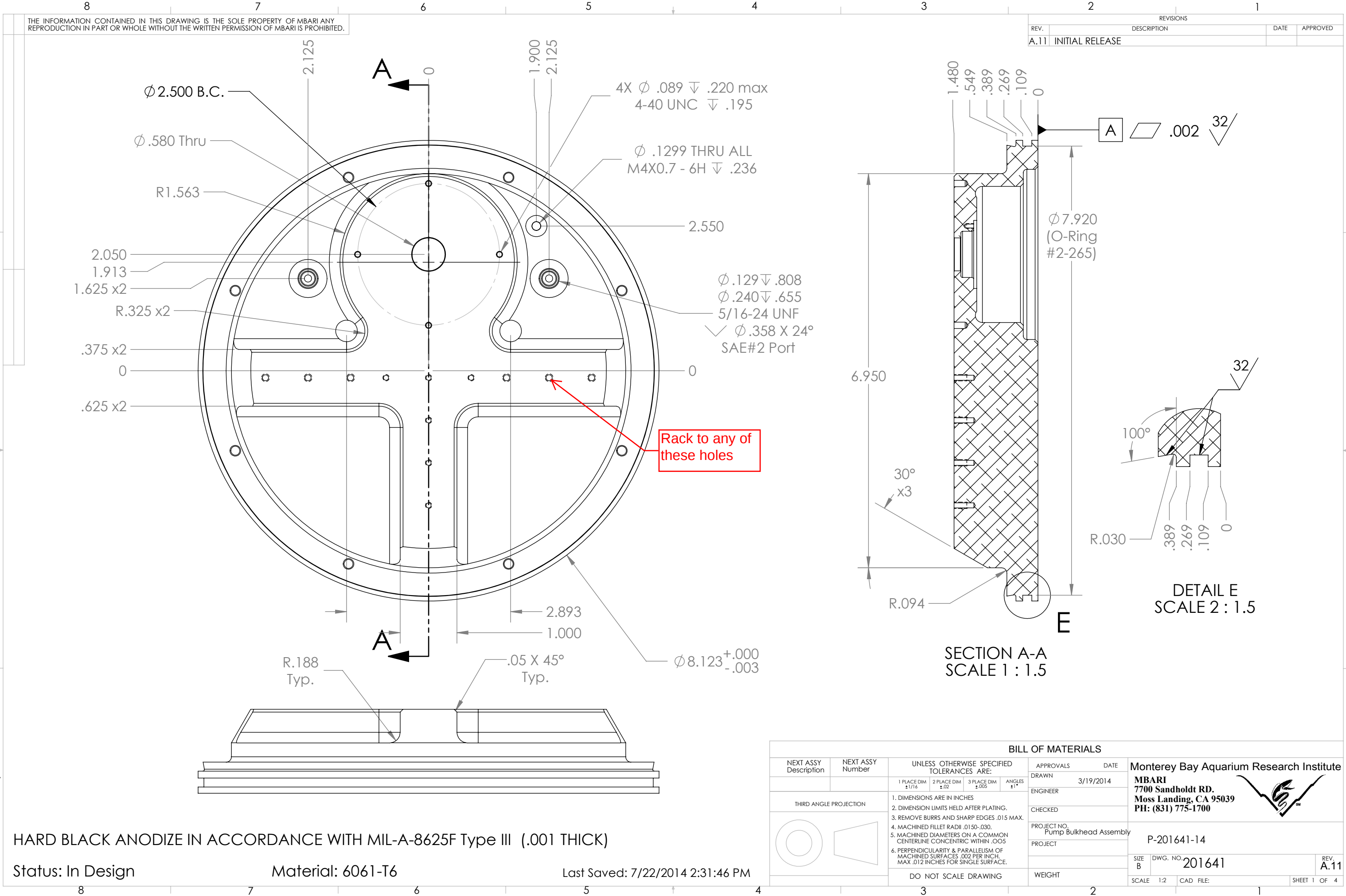
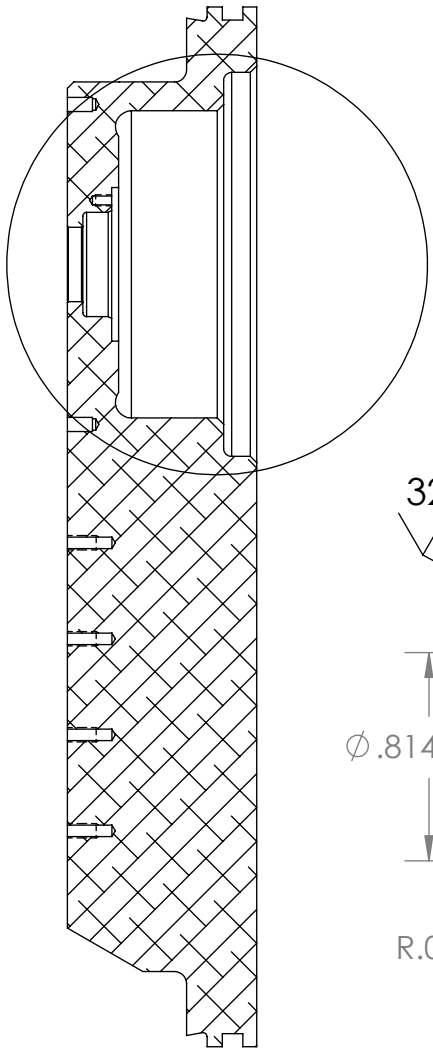




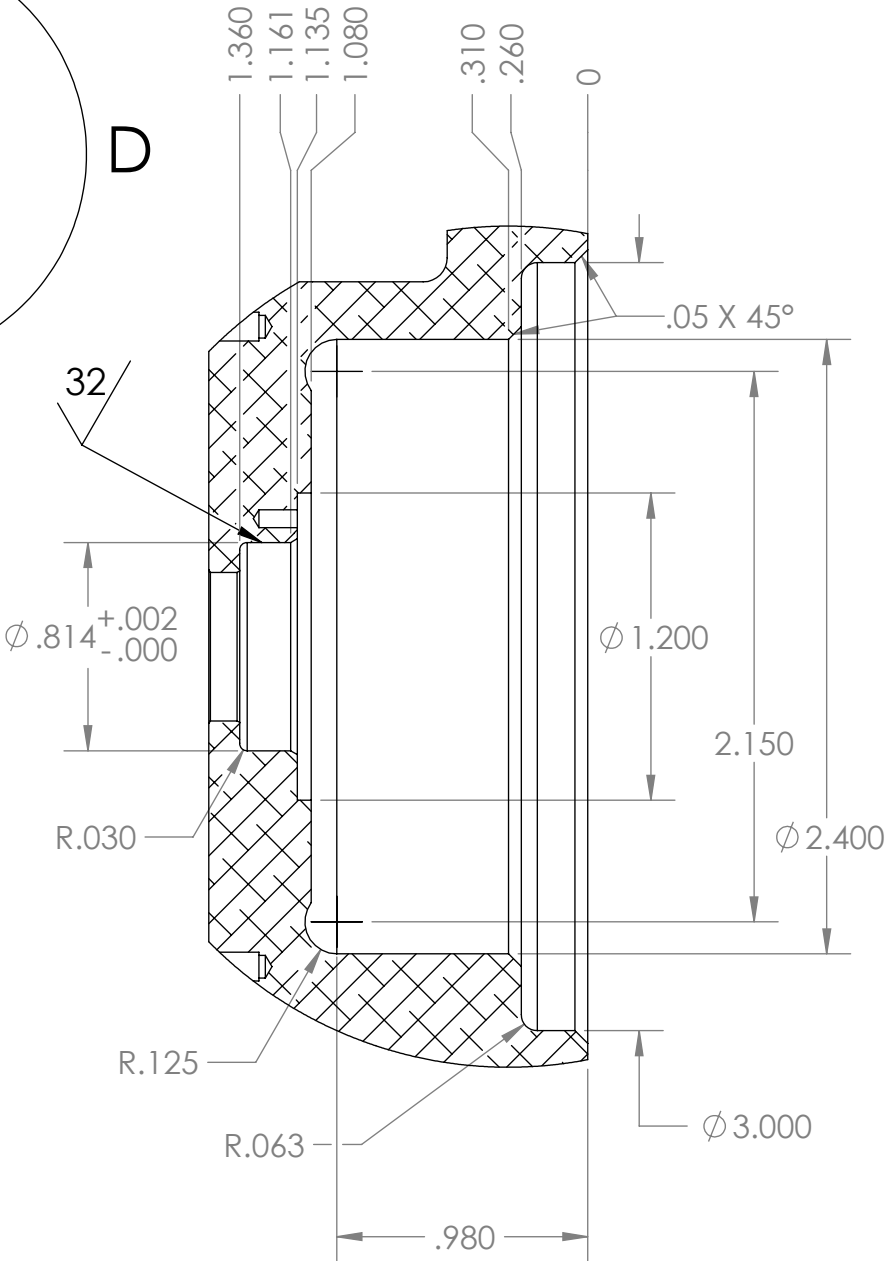
BILL OF MATERIALS					Monterey Bay Aquarium Research Institute		
NEXT ASSY Description	NEXT ASSY Number	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:			APPROVALS	DATE	
		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	DRAWN	3/19/2014	
THIRD ANGLE PROJECTION		1. DIMENSIONS ARE IN INCHES 2. DIMENSION 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			SCALE 1:2	CAD FILE:	
					SIZE B	DWG. NO. 201641	REV. A.11
					SHEET 1 OF 4		

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A.11	INITIAL RELEASE		



SECTION B-B
SCALE 1 : 1.5



DETAIL D

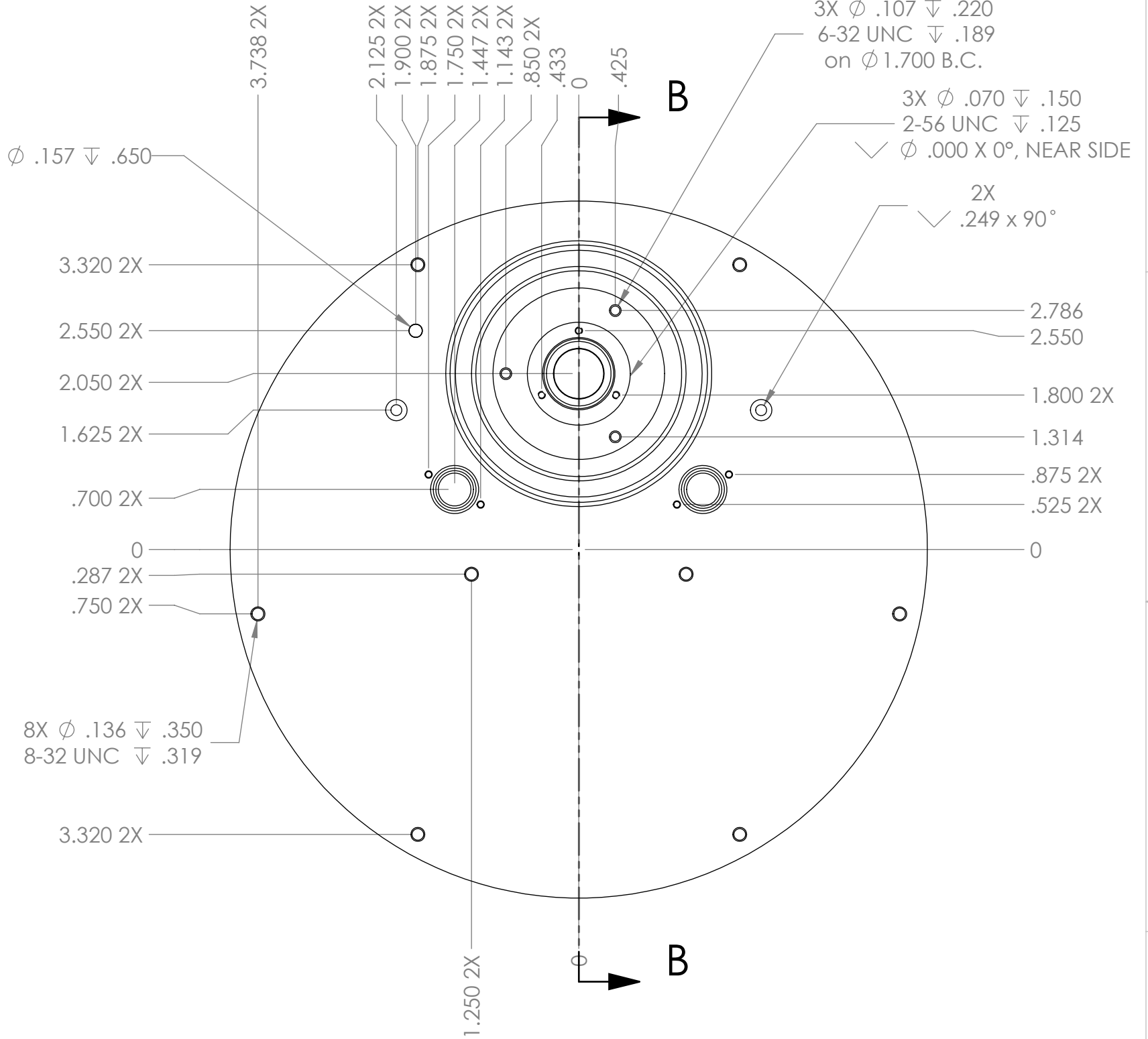
SCALE 2 : 1.5

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

Status: In Design

Material: 6061-T6

Last Saved: 7/22/2014 2:31:46 PM

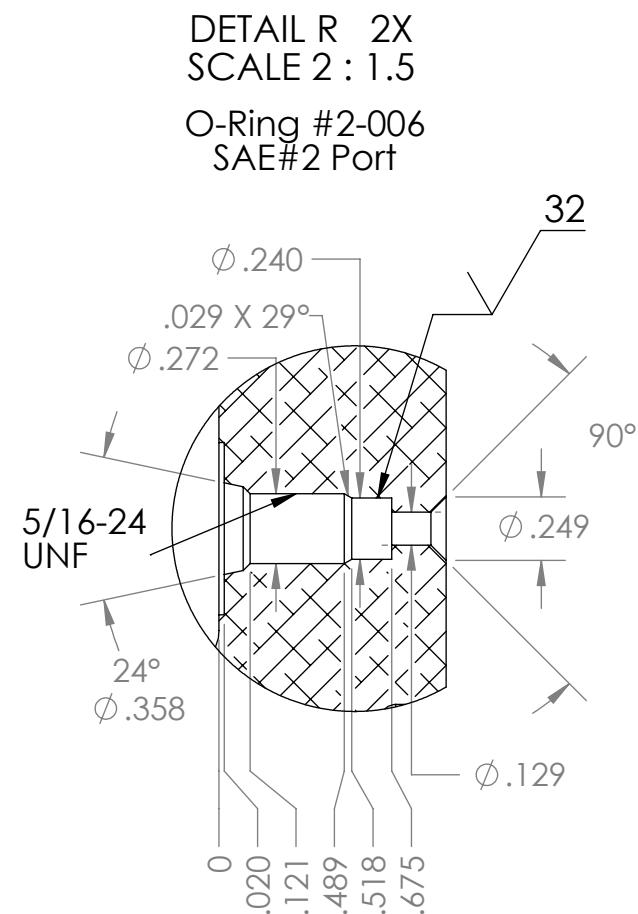


BILL OF MATERIALS			
NEXT ASSY Description	NEXT ASSY Number	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	APPROVALS DATE
		1 PLACE DIM $\pm 1/16$	DRAWN 3/19/2014
		2 PLACE DIM $\pm .02$	ENGINEER
		3 PLACE DIM $\pm .005$	CHECKED
		ANGLES $\pm 1^\circ$	PROJECT NO. Pump Bulkhead Assembly
			PROJECT
			WEIGHT
THIRD ANGLE PROJECTION		1. DIMENSIONS ARE IN INCHES	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700
		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	P-201641-14
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.	
		DO NOT SCALE DRAWING	SIZE B DWG. NO. 201641
			SCALE 1:2 CAD FILE: SHEET 2 OF 4

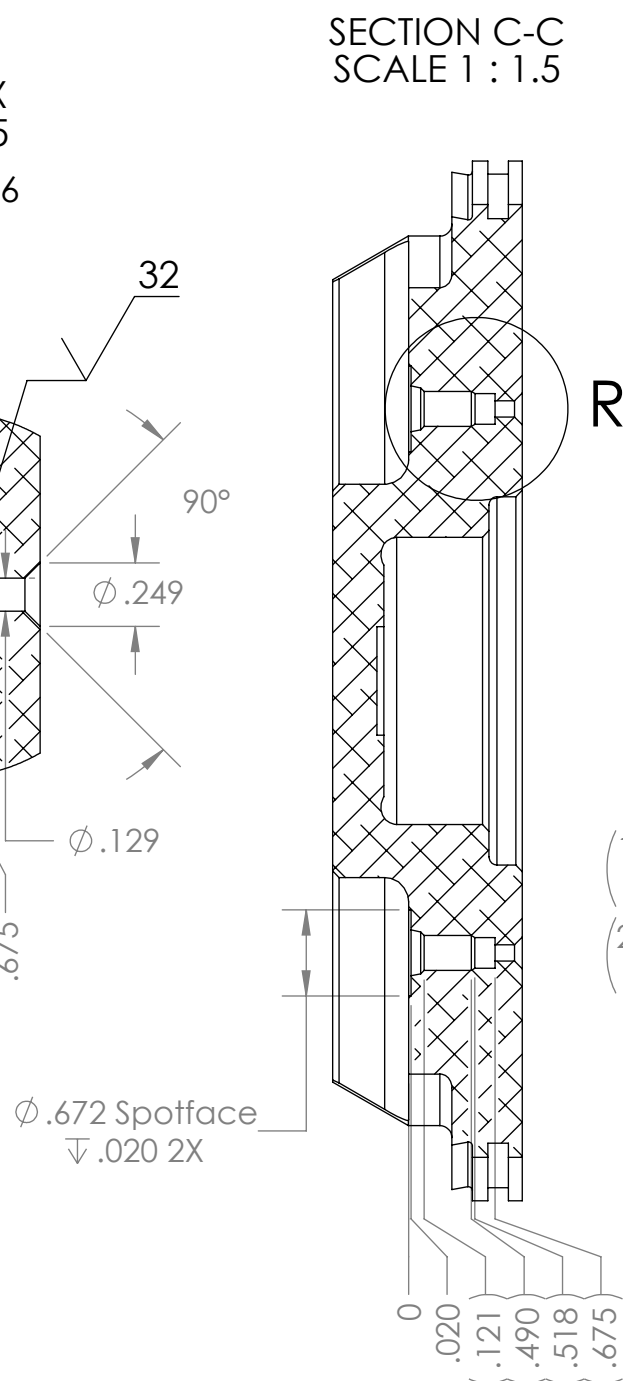
REV. A.11

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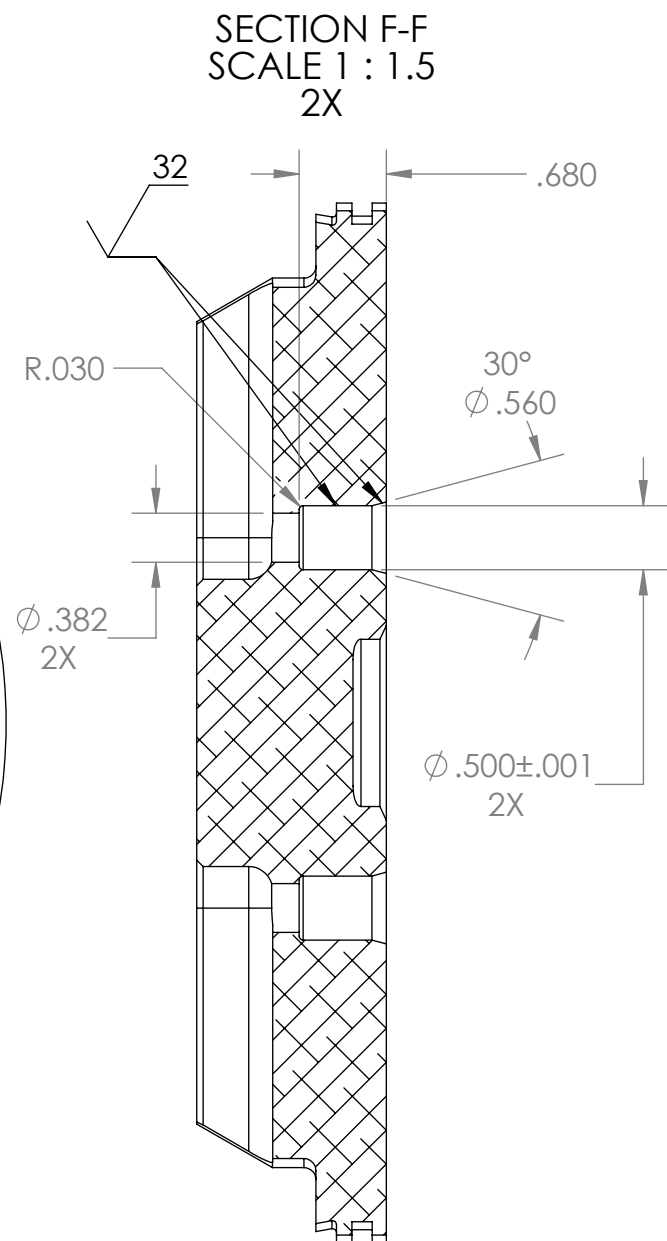
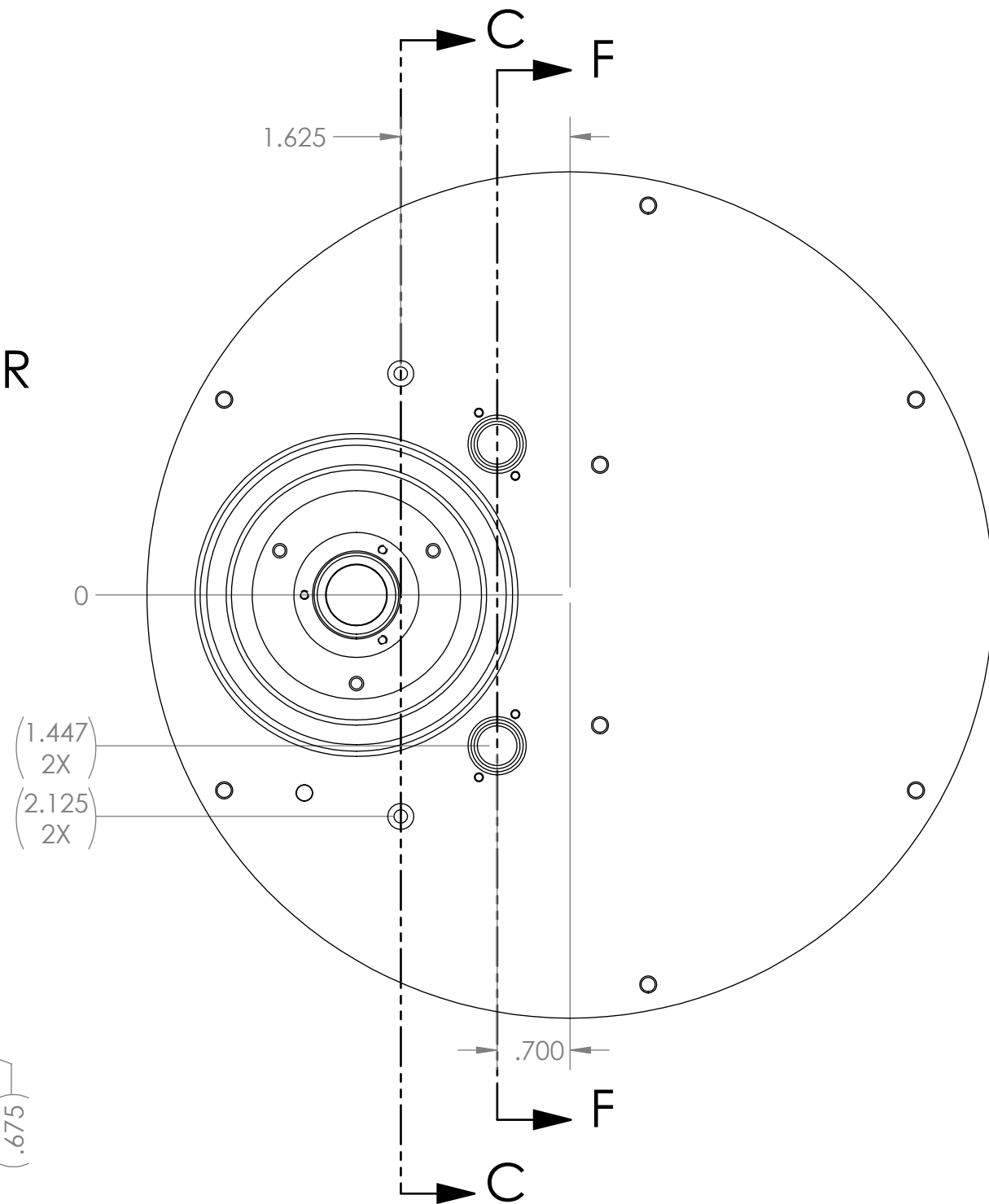
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A.11	INITIAL RELEASE		



DETAIL R 2X
SCALE 2 : 1.5
O-Ring #2-006
SAE#2 Port



SECTION C-C
SCALE 1 : 1.5



SECTION F-F
SCALE 1 : 1.5
2X

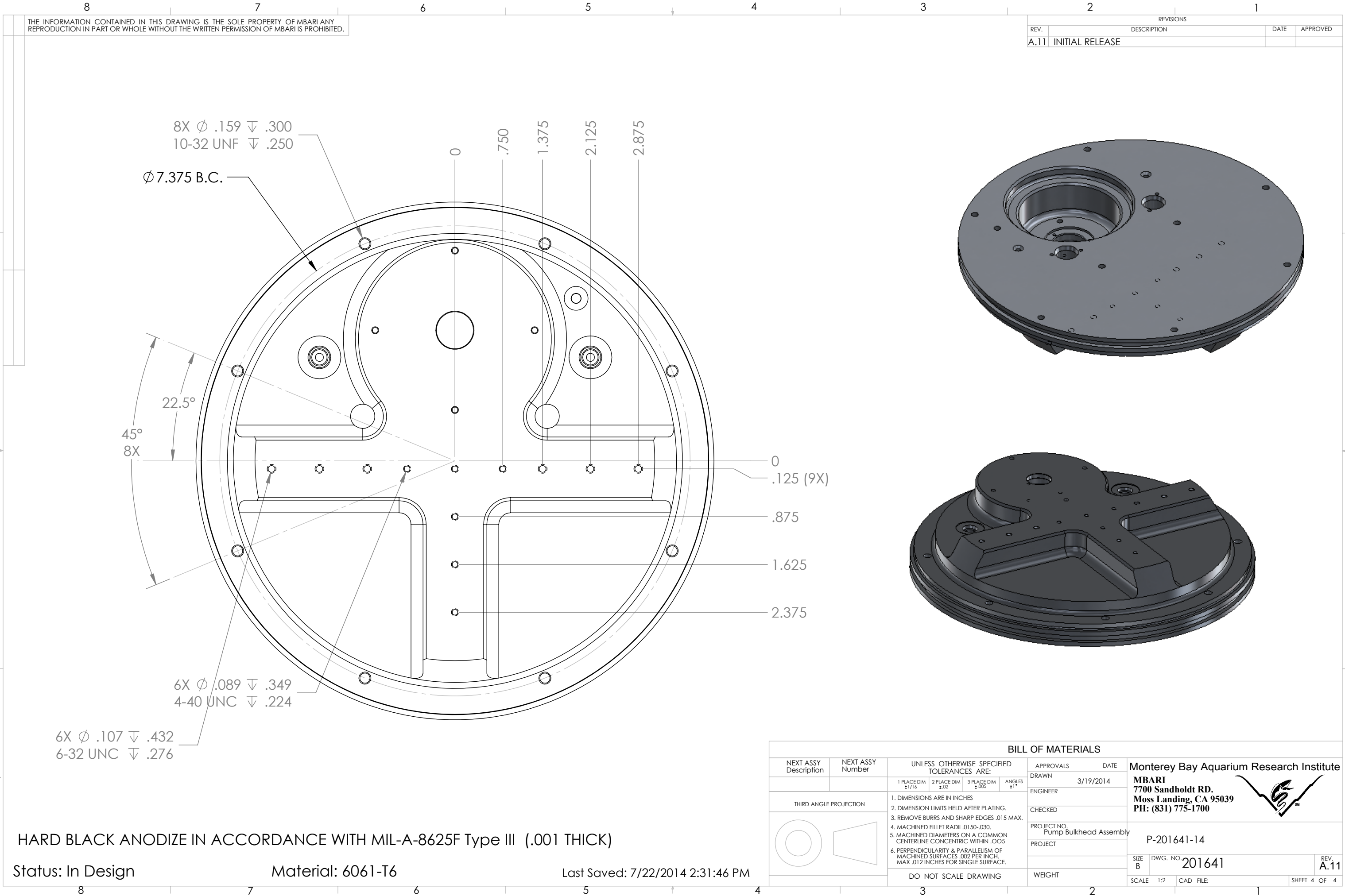
BILL OF MATERIALS										
NEXT ASSY Description	NEXT ASSY Number	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS	DATE	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 		
		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±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.				ENGINEER				
						CHECKED				
						PROJECT NO. Pump Bulkhead Assembly				
						PROJECT		P-201641-14		
		DO NOT SCALE DRAWING				WEIGHT		SIZE B	DWG. NO. 201641	REV. A.11
								SCALE 1:2	CAD FILE:	SHEET 3 OF 4

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

Status: In Design

Material: 6061-T6

Last Saved: 7/22/2014 2:31:46 PM



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A.11	INITIAL RELEASE		

8X ϕ .159 ∇ .300
10-32 UNF ∇ .250

ϕ 7.375 B.C.

45°
8X
22.5°

6X ϕ .089 ∇ .349
4-40 UNC ∇ .224

6X ϕ .107 ∇ .432
6-32 UNC ∇ .276

0
.125 (9X)

.875

1.625

2.375

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

Status: In Design

Material: 6061-T6

Last Saved: 7/22/2014 2:31:46 PM

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 $\pm 1/16$	2 PLACE DIM $\pm .02$	3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$	DRAWN	3/19/2014		
						ENGINEER			
						CHECKED			
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.				PROJECT NO. Pump Bulkhead Assembly		P-201641-14	
						PROJECT			
						WEIGHT			
		DO NOT SCALE DRAWING						SIZE B	DWG. NO. 201641
								SCALE 1:2	CAD FILE:
								SHEET 4 OF 4	REV. A.11