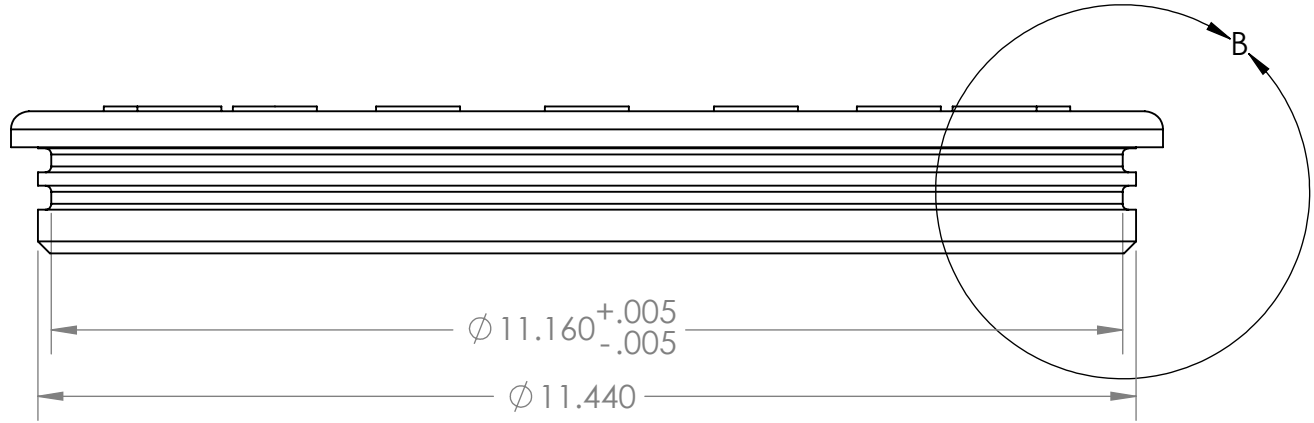
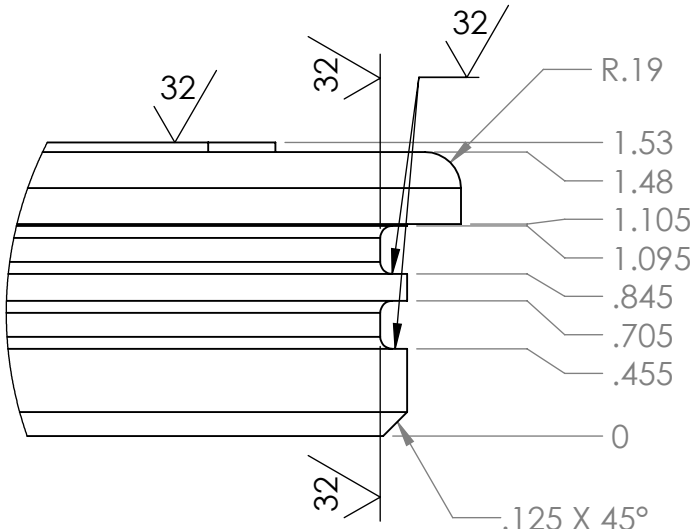
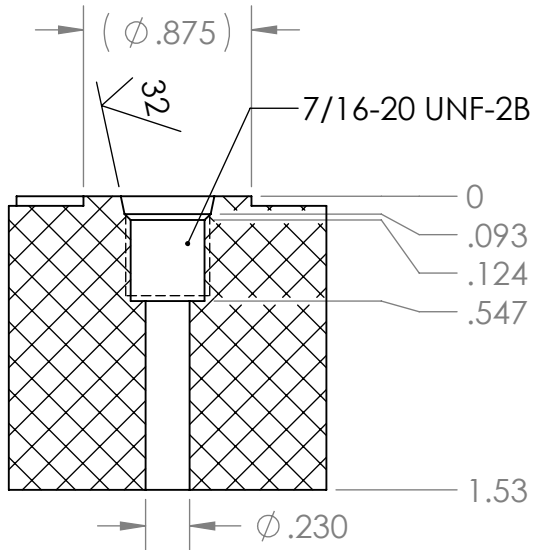
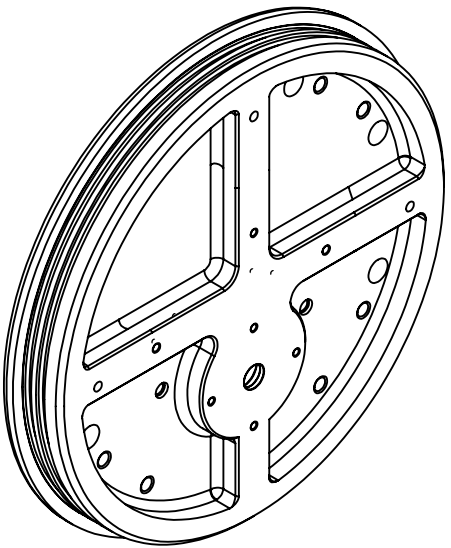
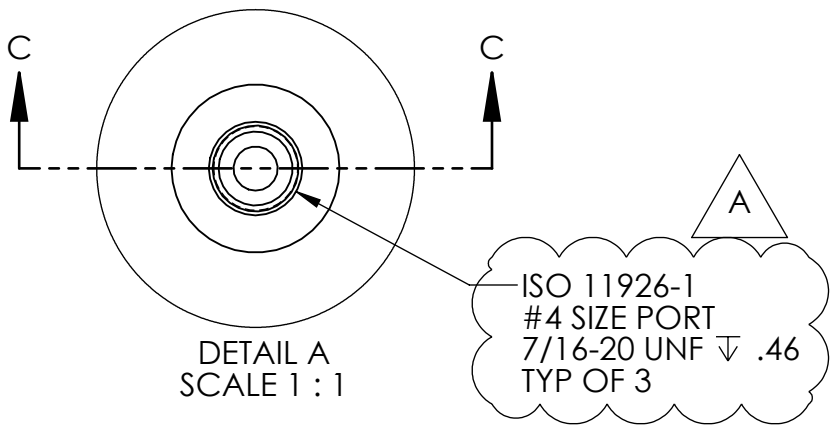
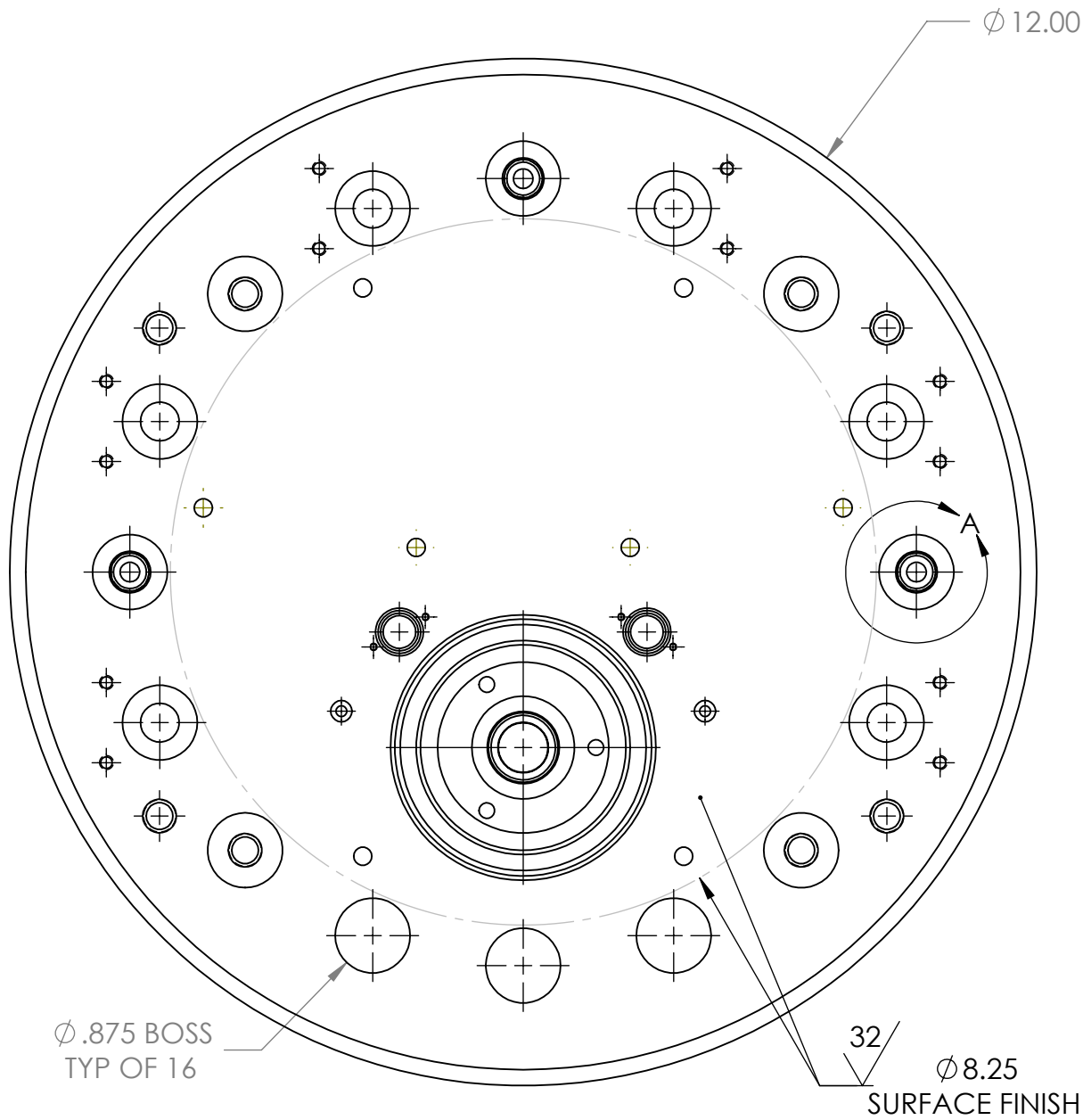


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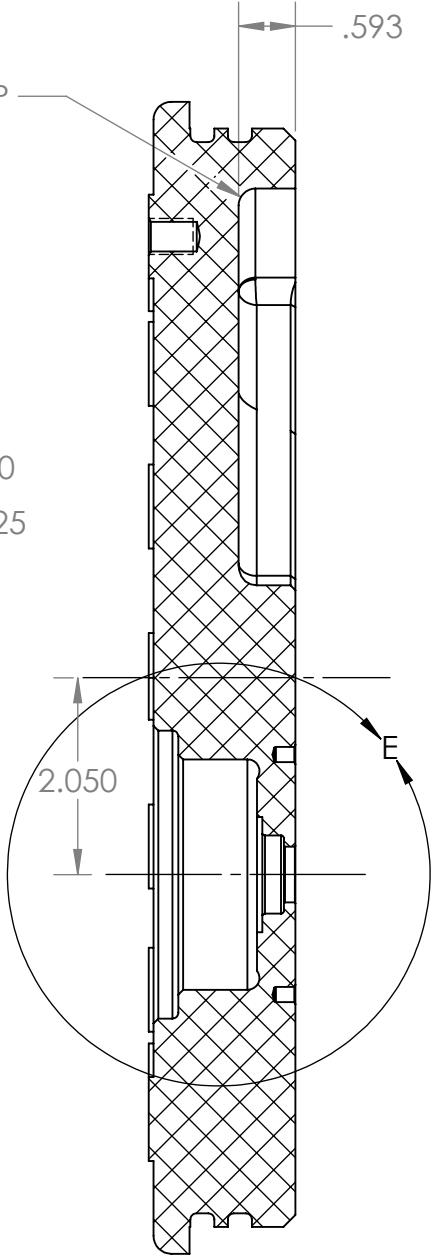
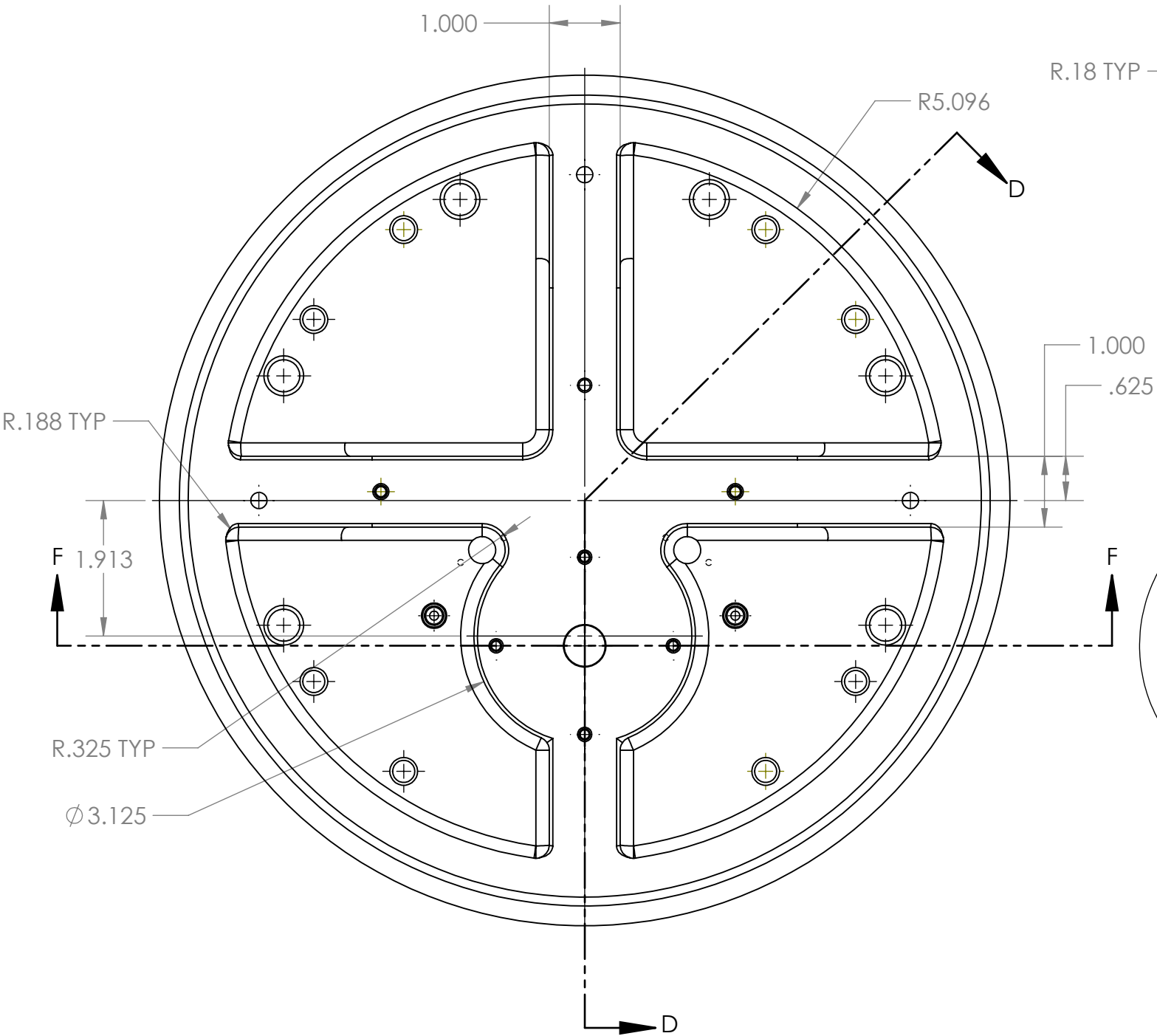
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		
A	HOLE QTY	7-20-22	DMP



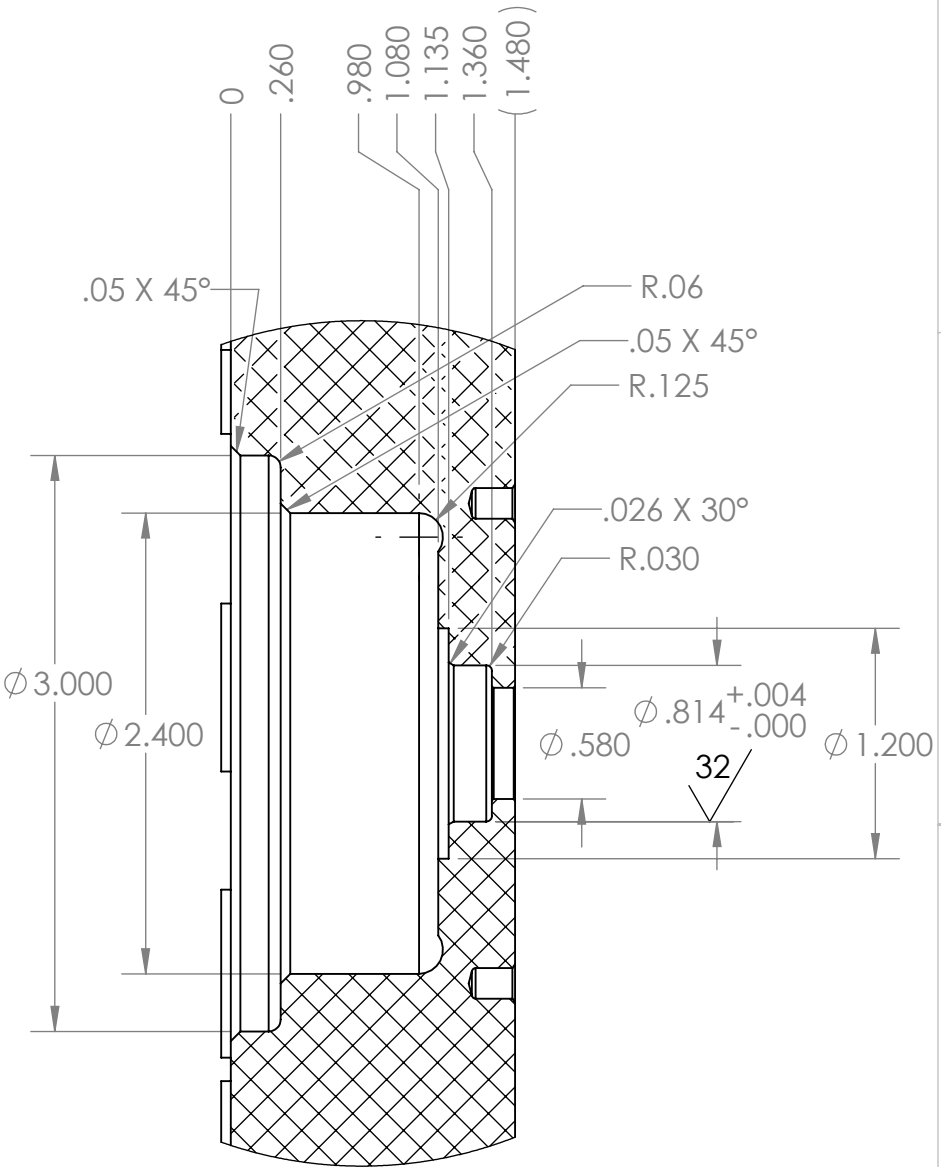
BILL OF MATERIALS			
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:	
Inspector		1 PLACE DIM $\pm 1/16$	2 PLACE DIM $\pm .02$
Shop Foreman		3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$
Engineer		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .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 D PARGETT 6/27/2022	DATE 6/27/2022
		ENGINEER D PARGETT 6/27/2022	CHECKED
		PROJECT NO. 901205	
		PROJECT ESP SURF CENTER	
		WEIGHT	
		DO NOT SCALE DRAWING	
		2	
Monterey Bay Aquarium Research Institute			
MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700			
FPFront_Plastic_machined			
SIZE B DWG. NO. 100XXXDWG REV.			
SCALE 1:4 CAD FILE: MECH ENG ON TORNADO SHEET 1 OF 4			

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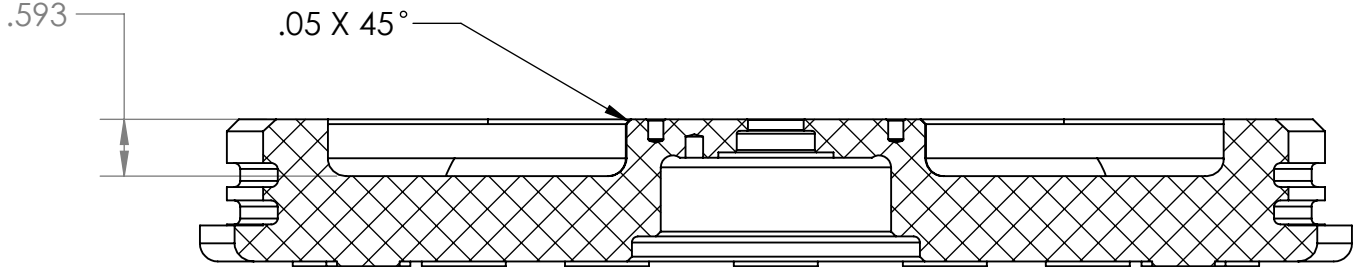
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
INITIAL RELEASE			



SECTION D-D
SCALE 1 : 2



DETAIL E
SCALE 1 : 1



SECTION F-F
SCALE 1 : 2

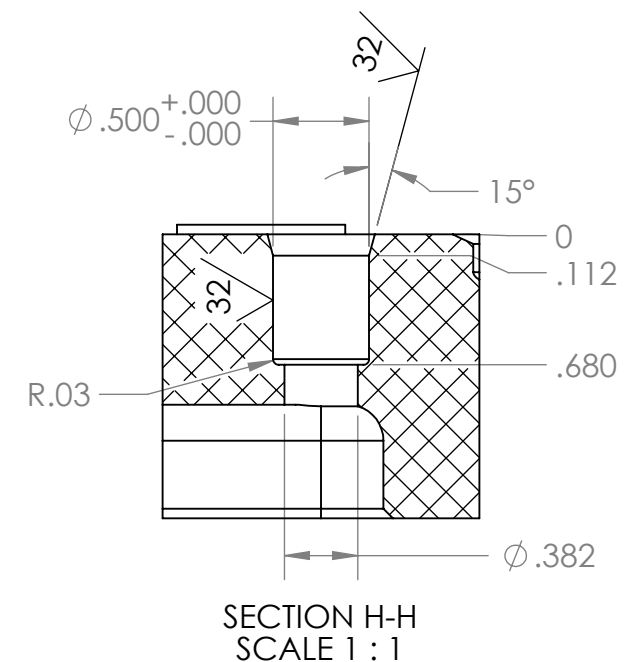
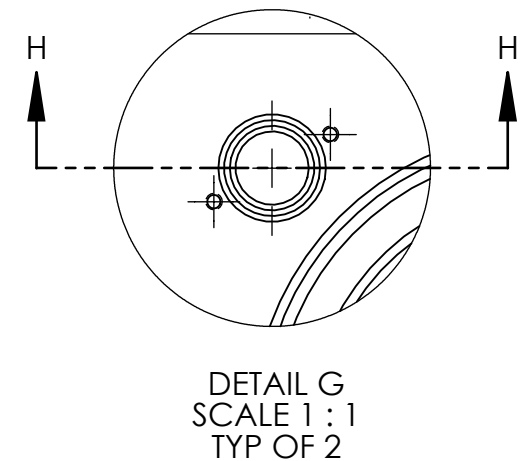
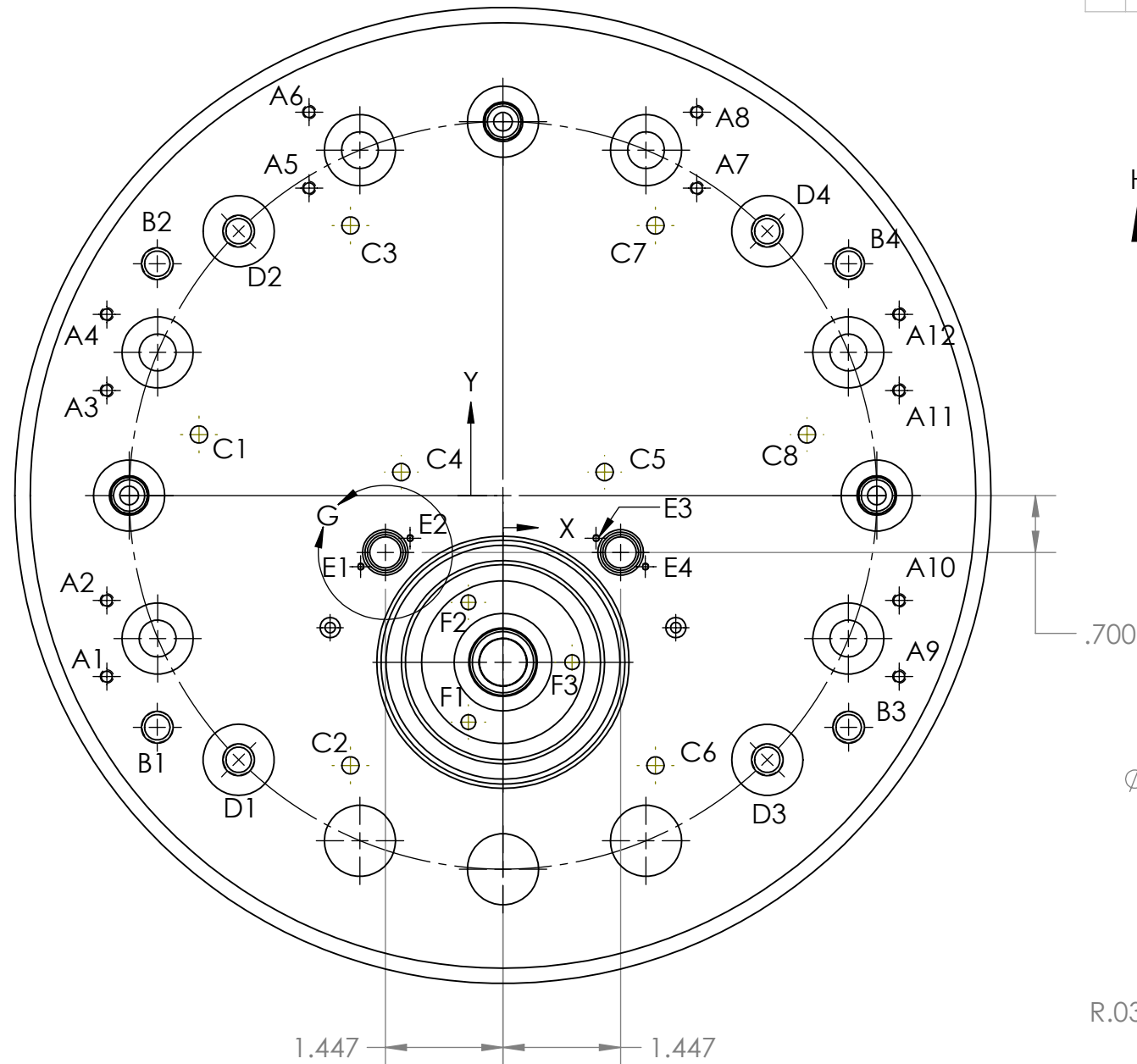
BILL OF MATERIALS

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		MBARI		
Shop Foreman		1. DIMENSIONS ARE IN INCHES				ENGINEER		7700 Sandholdt RD.		
Engineer		2. DIMENSION LIMITS HELD AFTER PLATING.				CHECKED		Moss Landing, CA 95039		
NEXT ASSY Description		3. REMOVE BURRS AND SHARP EDGES .015 MAX.				PROJECT NO.		PH: (831) 775-1700		
NEXT ASSY Number		4. MACHINED FILLET RADII .0150-.030.				PROJECT		FPFront_Plastic_machined		
Application		5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005				WEIGHT		SIZE B		
		6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE.						DWG. NO. 100XXXDWG		
		DO NOT SCALE DRAWING						SCALE 1:4		
								CAD FILE: MECH ENG ON TORNADO		
								SHEET 2 OF 4		

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

TAG	X LOC	Y LOC	SIZE
A1	-4.871	-2.227	$\phi .136 \nabla .25$ 8-32 UNC $\nabla .20$
A2	-4.871	-1.291	
A3	-4.871	1.291	
A4	-4.871	2.227	
A5	-2.384	3.778	
A6	-2.384	4.714	
A7	2.384	3.778	
A8	2.384	4.714	
A9	4.871	-2.227	
A10	4.871	-1.291	
A11	4.871	1.291	
A12	4.871	2.227	
B1	-4.250	-2.850	$\phi .313 \nabla .50$ 3/8-16 UNC $\nabla .44$
B2	-4.250	2.850	
B3	4.250	-2.850	
B4	4.250	2.850	
C1	-3.738	.750	$\phi .213 \nabla .35$ 1/4-28 UNF $\nabla .31$
C2	-1.875	-3.320	
C3	-1.875	3.320	
C4	-1.250	.287	
C5	1.250	.287	
C6	1.875	-3.320	
C7	1.875	3.320	
C8	3.738	.750	
D1	-3.250	-3.250	$\phi .313 \nabla .50$ 3/8-16 UNC $\nabla .46$
D2	-3.250	3.250	
D3	3.250	-3.250	
D4	3.250	3.250	
E1	-1.750	-.875	$\phi .070 \nabla .262$ 2-56 UNC $\nabla .172$
E2	-1.143	-.525	
E3	1.143	-.525	
E4	1.750	-.875	
F1	-.425	-2.786	$\phi .182 \nabla .22$ 12-28 UNF $\nabla .18$
F2	-.425	-1.314	
F3	.850	-2.050	



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°	DRAWN	
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	
Engineer						CHECKED	
						PROJECT NO.	
NEXT ASSY Description	NEXT ASSY Number					PROJECT	
Application		DO NOT SCALE DRAWING			WEIGHT		
					SIZE B	DWG. NO.	REV.
					100XXXDWG		
					SCALE 1:4	CAD FILE: MECH ENG ON TORNADO	SHEET 3 OF 4

Monterey Bay Aquarium Research Institute		
MBARI		
7700 Sandholdt RD.		
Moss Landing, CA 95039		
PH: (831) 775-1700		
		

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