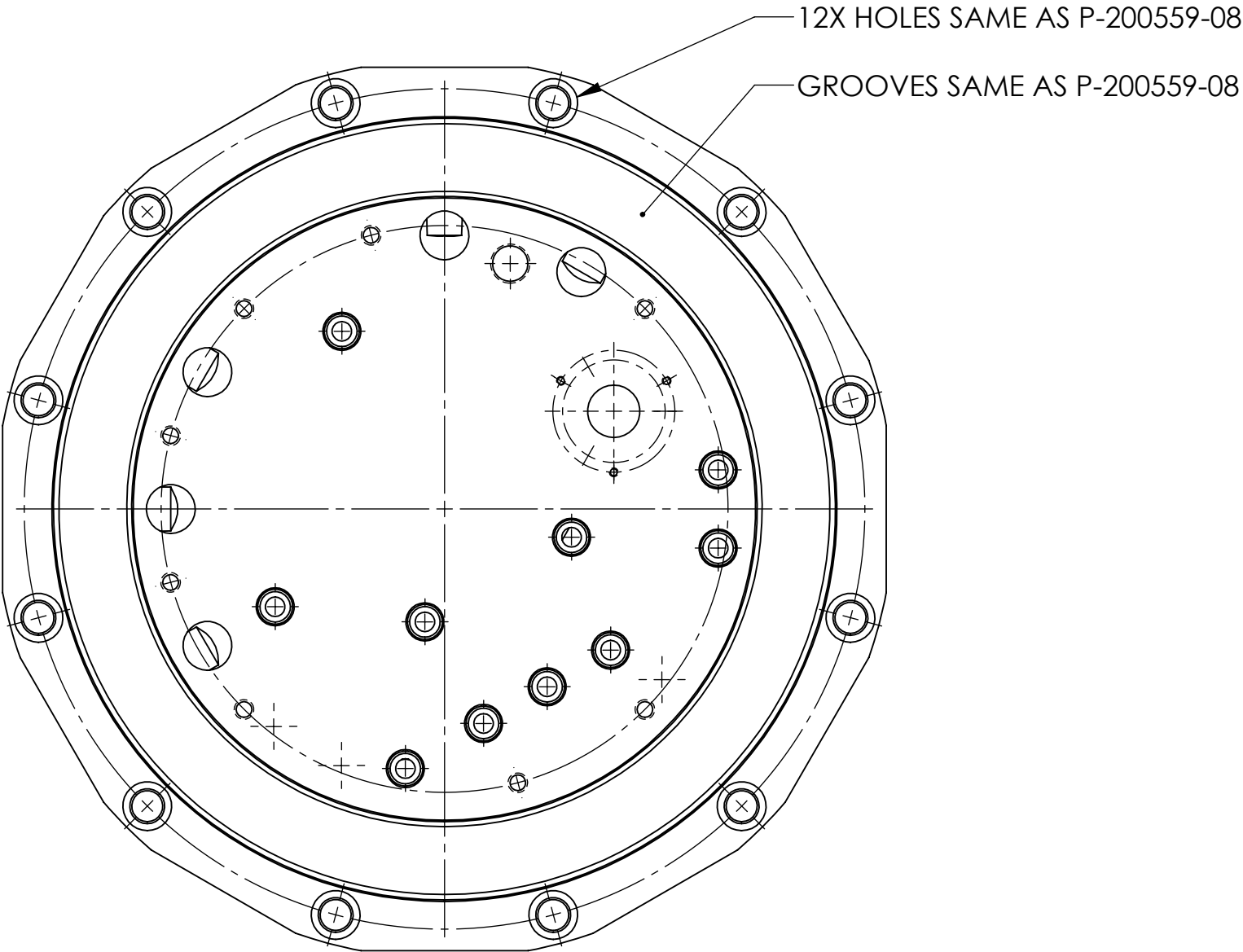
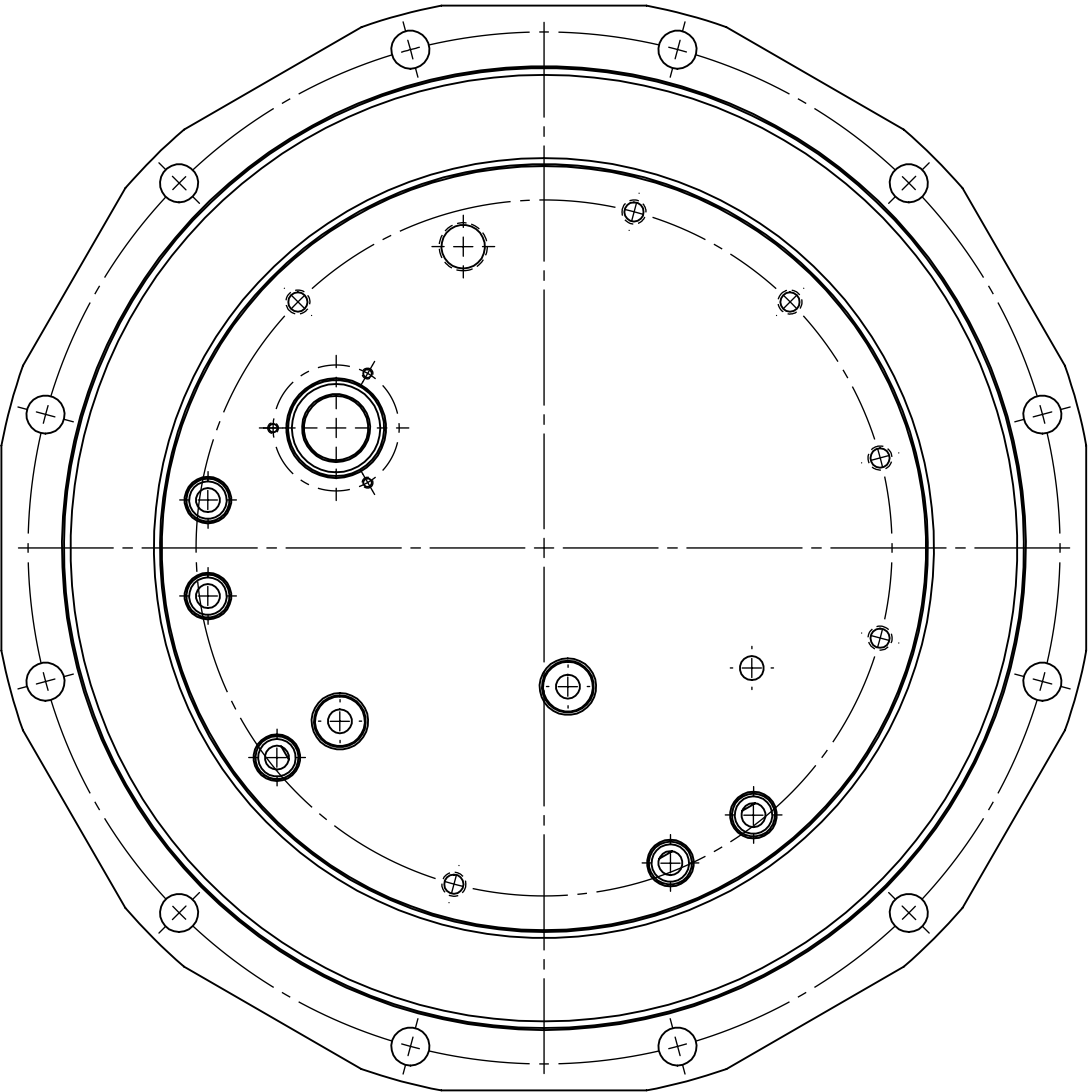




SAMPLE BULKHEAD
TOP SIDE (DRY)



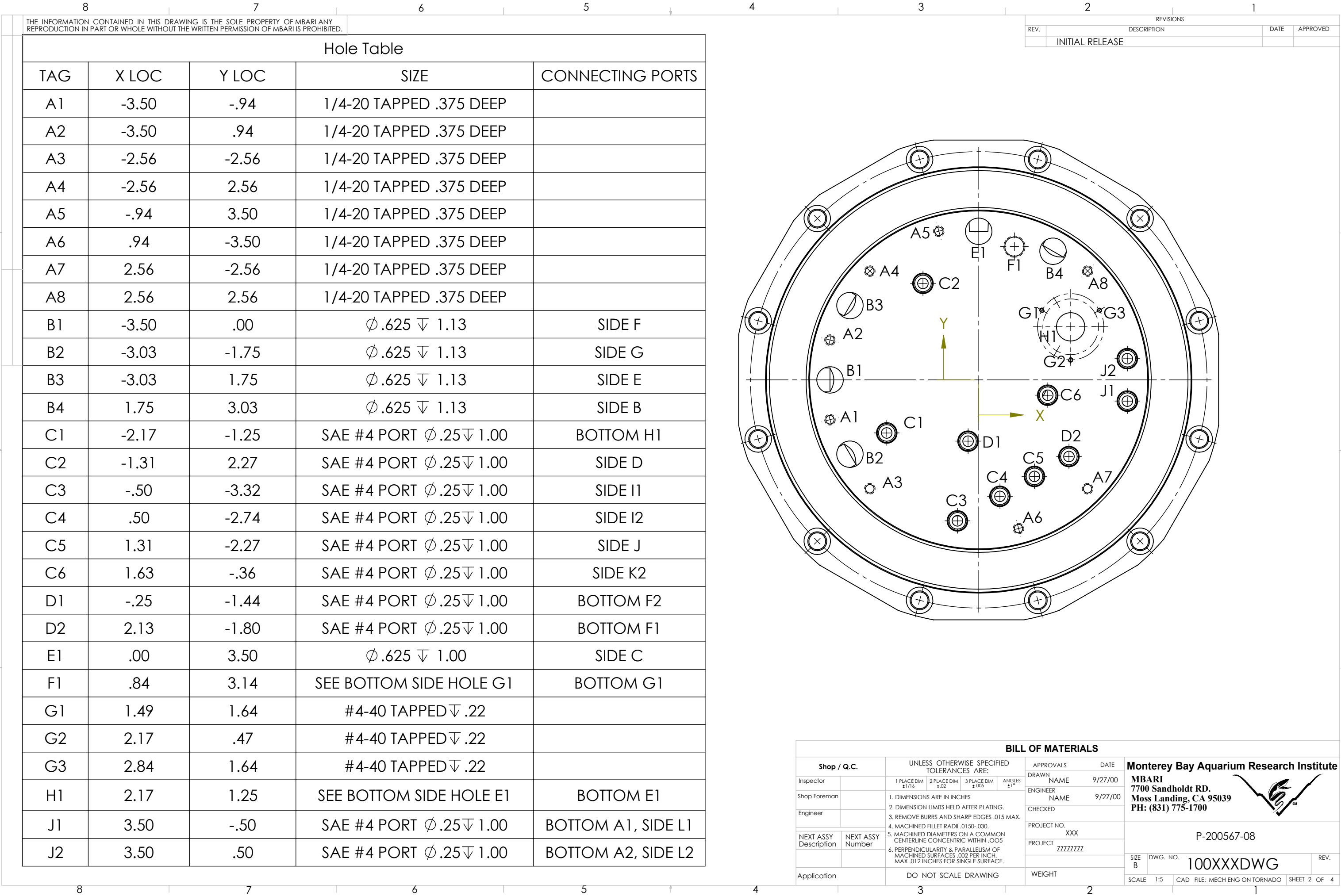
BOTTOM SIDE (OIL)

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	PARGETT	9/17/08	
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	PARGETT	9/17/08	
Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	703506.04		
						PROJECT	4km DEEP ESP		
Application		DO NOT SCALE DRAWING				WEIGHT			
						SIZE B	DWG. NO.	100XXWDWG	REV.
						SCALE 1:5	CAD FILE: MECH ENG ON TORNADO	SHEET 1	OF 4

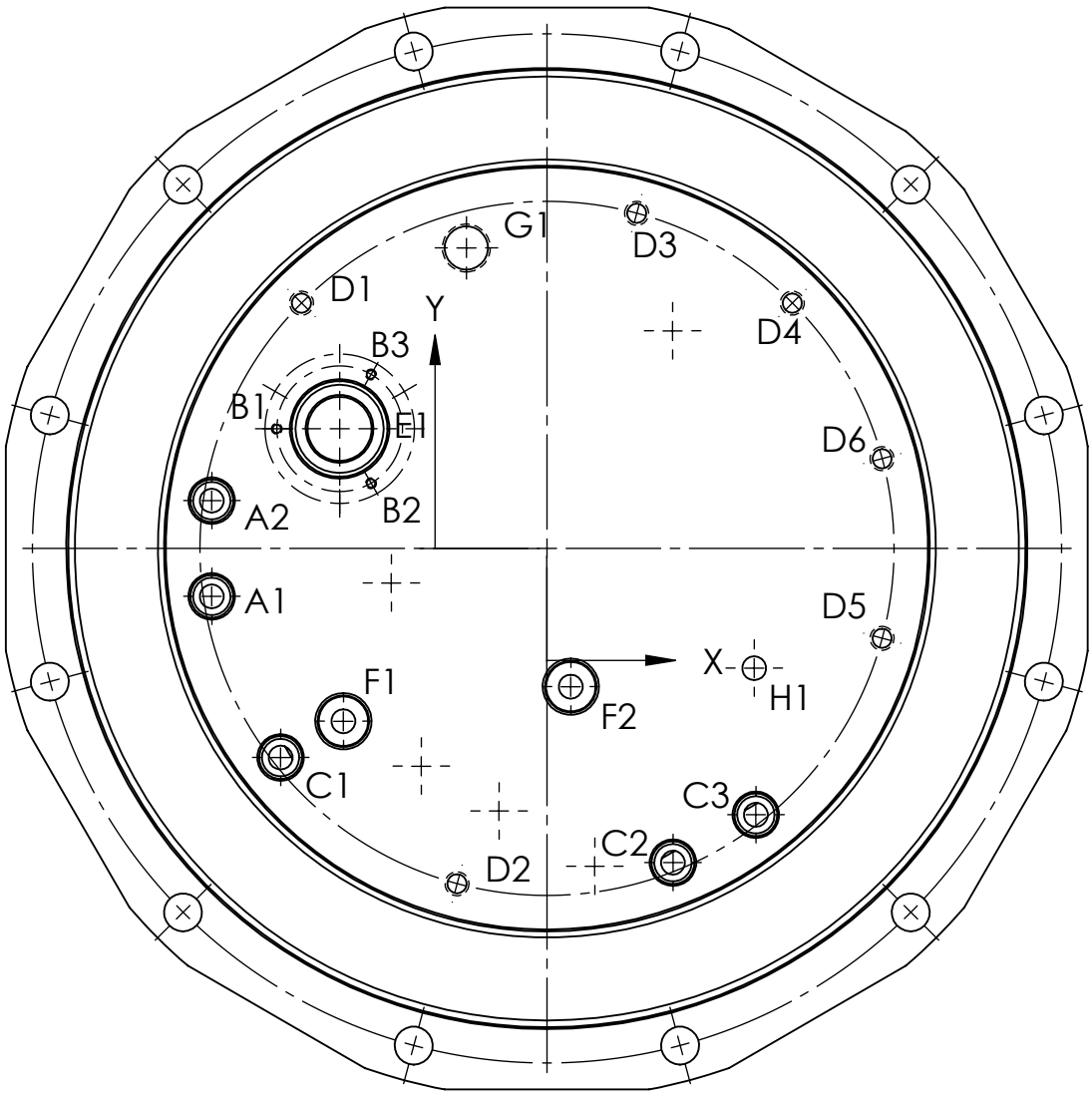
Monterey Bay Aquarium Research Institute
MBARI
7700 Sandholdt RD.
Moss Landing, CA 95039
PH: (831) 775-1700



P-200567-08



	8	7	6	5	4	3	2	1
	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.							REVISIONS
	Hole Table							REV. DESCRIPTION DATE APPROVED
	TAG	X LOC	Y LOC	SIZE	CONNECTING PORTS			
	A1	-3.50	-.50	SAE #4 PORT $\varnothing$.25 ∇ 1.00	TOP J1, SIDE L1			
	A2	-3.50	.50	SAE #4 PORT $\varnothing$.25 ∇ 1.00	TOP J2, SIDE L2			
	B1	-2.82	1.25	#4-40 TAPPED ∇ .22				
	B2	-1.84	.68	#4-40 TAPPED ∇ .22				
	B3	-1.84	1.82	#4-40 TAPPED ∇ .22				
	C1	-2.78	-2.18	SAE #4 PORT $\varnothing$.25 ∇ 1.00	SIDE K1			
	C2	1.32	-3.28	SAE #4 PORT $\varnothing$.25 ∇ 1.00	SIDE H2			
	C3	2.18	-2.78	SAE #4 PORT $\varnothing$.25 ∇ 1.00	SIDE H1			
	D1	-2.56	2.56	1/4-20 TAPPED ∇ .38				
	D2	-.94	-3.50	1/4-20 TAPPED ∇ .38				
	D3	.94	3.50	1/4-20 TAPPED ∇ .38				
	D4	2.56	2.56	1/4-20 TAPPED ∇ .38				
	D5	3.50	-.94	1/4-20 TAPPED ∇ .38				
	D6	3.50	.94	1/4-20 TAPPED ∇ .38				
	E1	-2.17	1.25	SEE DETAIL AE, SECTION AW-AW P-200559-08	TOP H1			
	F1	-2.12	-1.80	1/4-18 NPT PORT $\varnothing$.25 ∇ 1.00	TOP D2			
	F2	.25	-1.44	1/4-18 NPT PORT $\varnothing$.25 ∇ 1.00	TOP D1			
	G1	-.84	3.14	1/2-20 UNF TAPPED .88 TAP DRILL THRU	TOP F1			
	H1	2.17	-1.25	$\varnothing$.25 ∇ 1.00	TOP C1			



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	NAME	9/27/00	
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	NAME	9/27/00	
Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.	XXX		
						PROJECT	ZZZZZZZZ		
Application		DO NOT SCALE DRAWING				WEIGHT			
		3					2		
Monterey Bay Aquarium Research Institute									
						MBARI			
						7700 Sandholdt RD.			
						Moss Landing, CA 95039			
						PH: (831) 775-1700			
						P-200567-08			
						SIZE B	DWG. NO.	100XXXDWG	
								REV.	
						SCALE 1:5	CAD FILE: MECH ENG ON TORNADO	SHEET 3	OF 4
						1			

