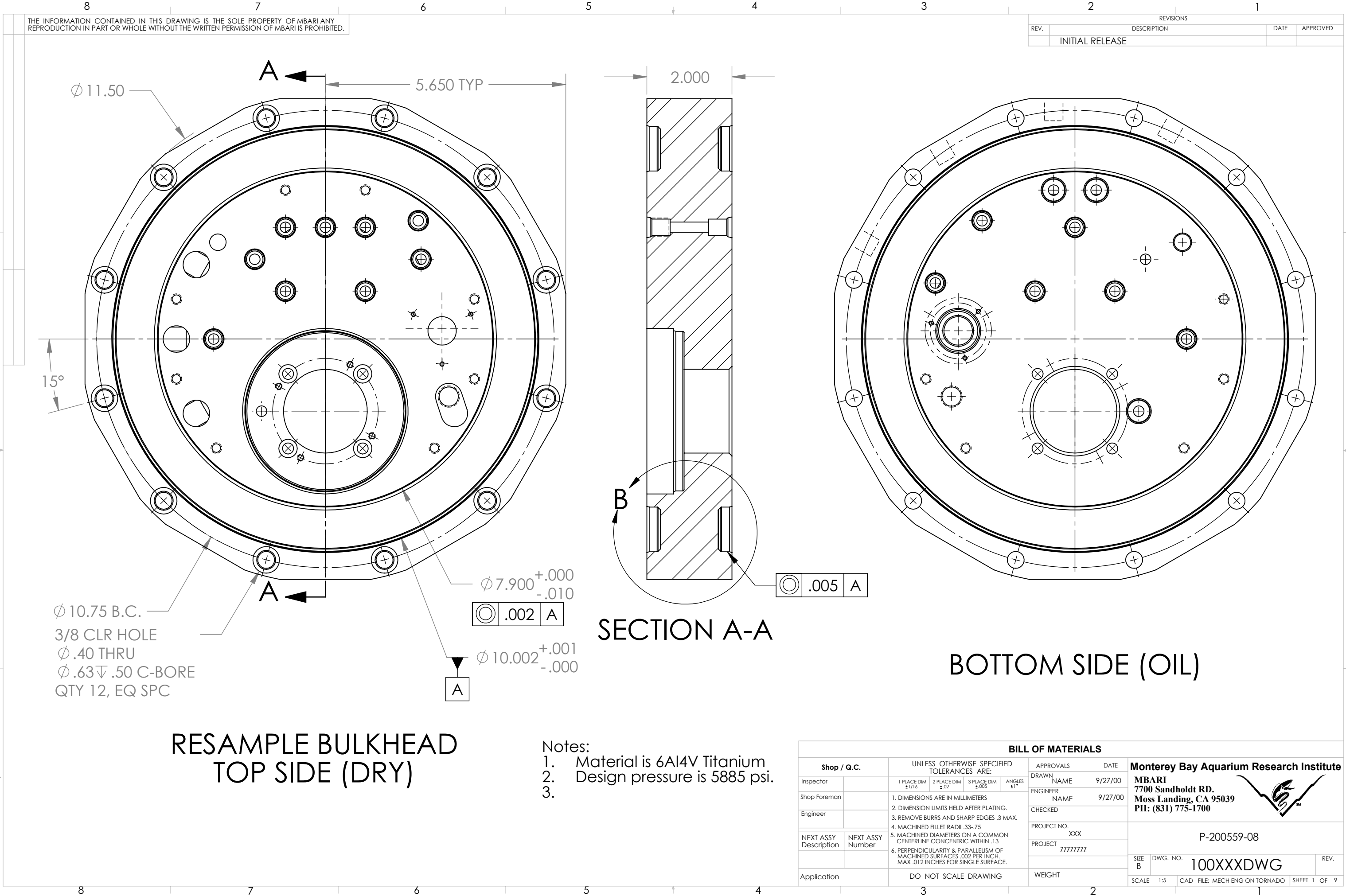
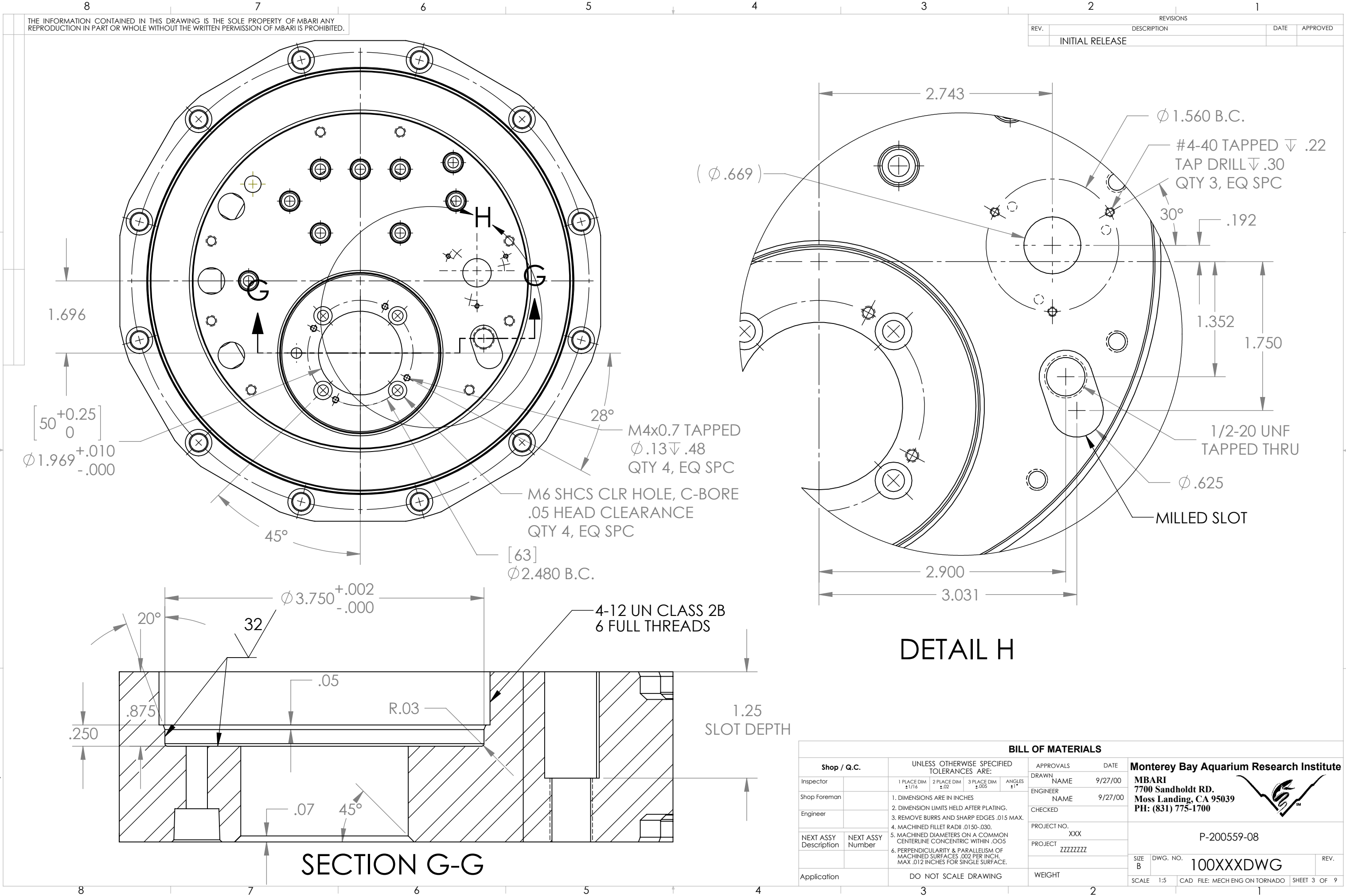


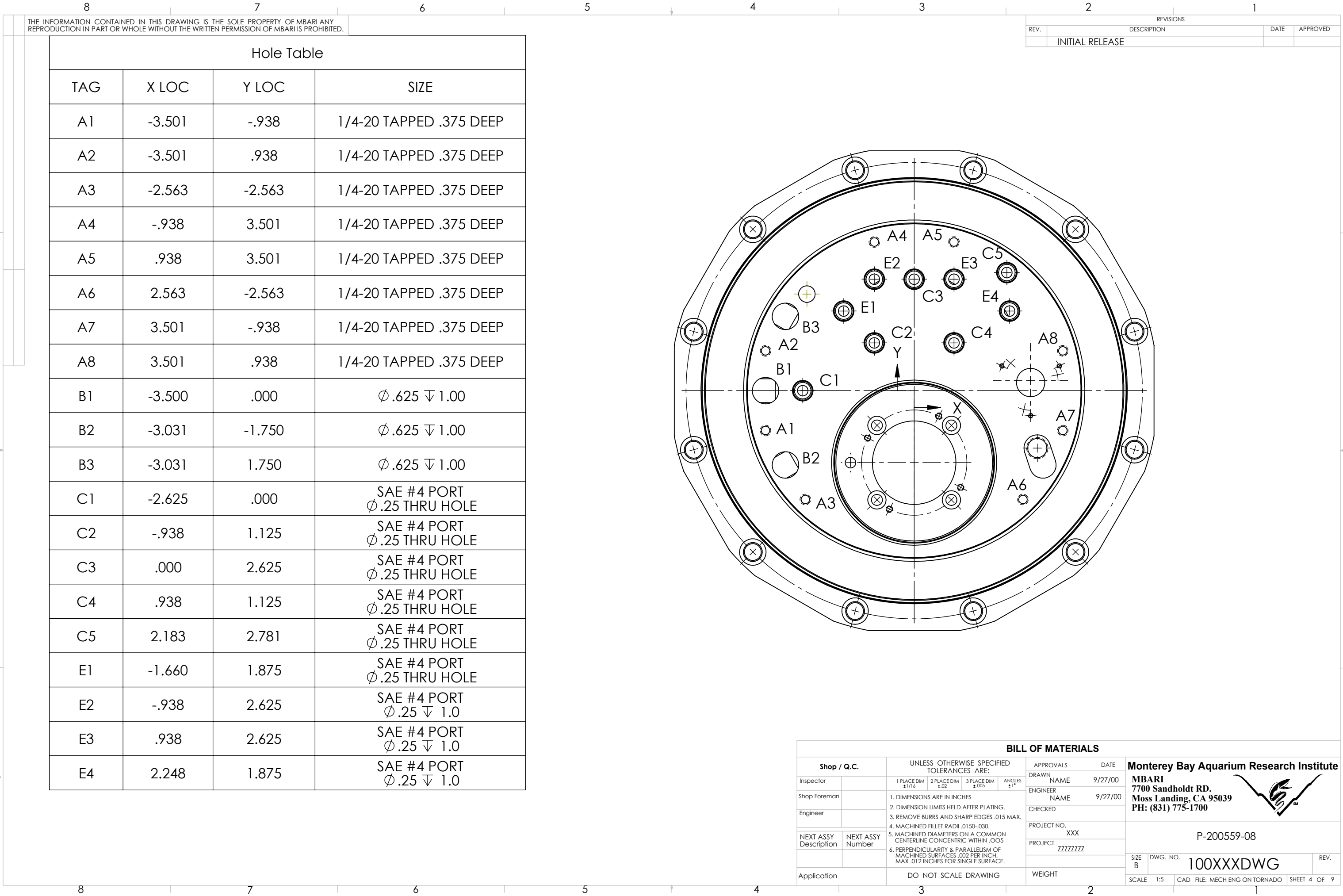


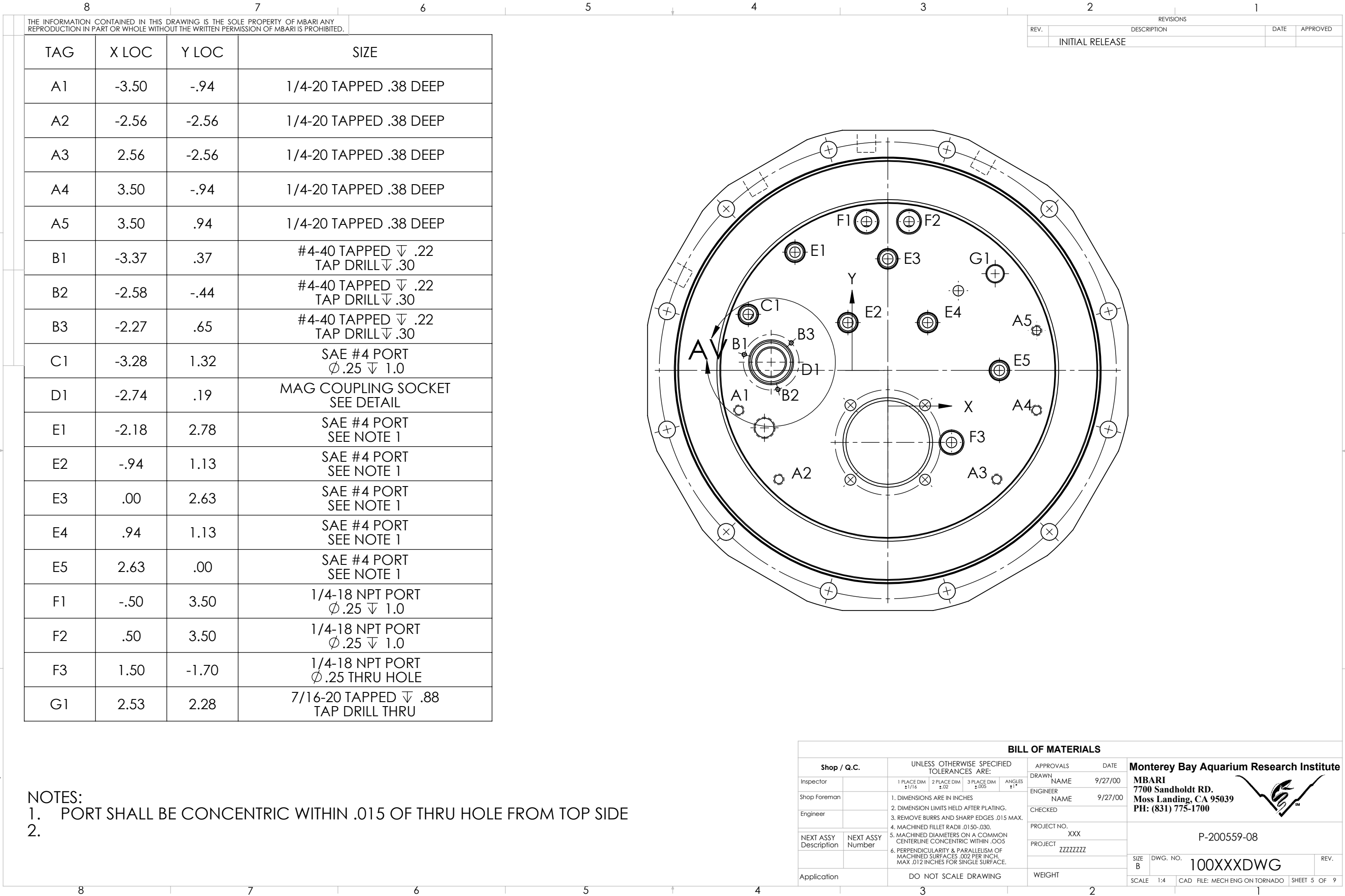
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



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	



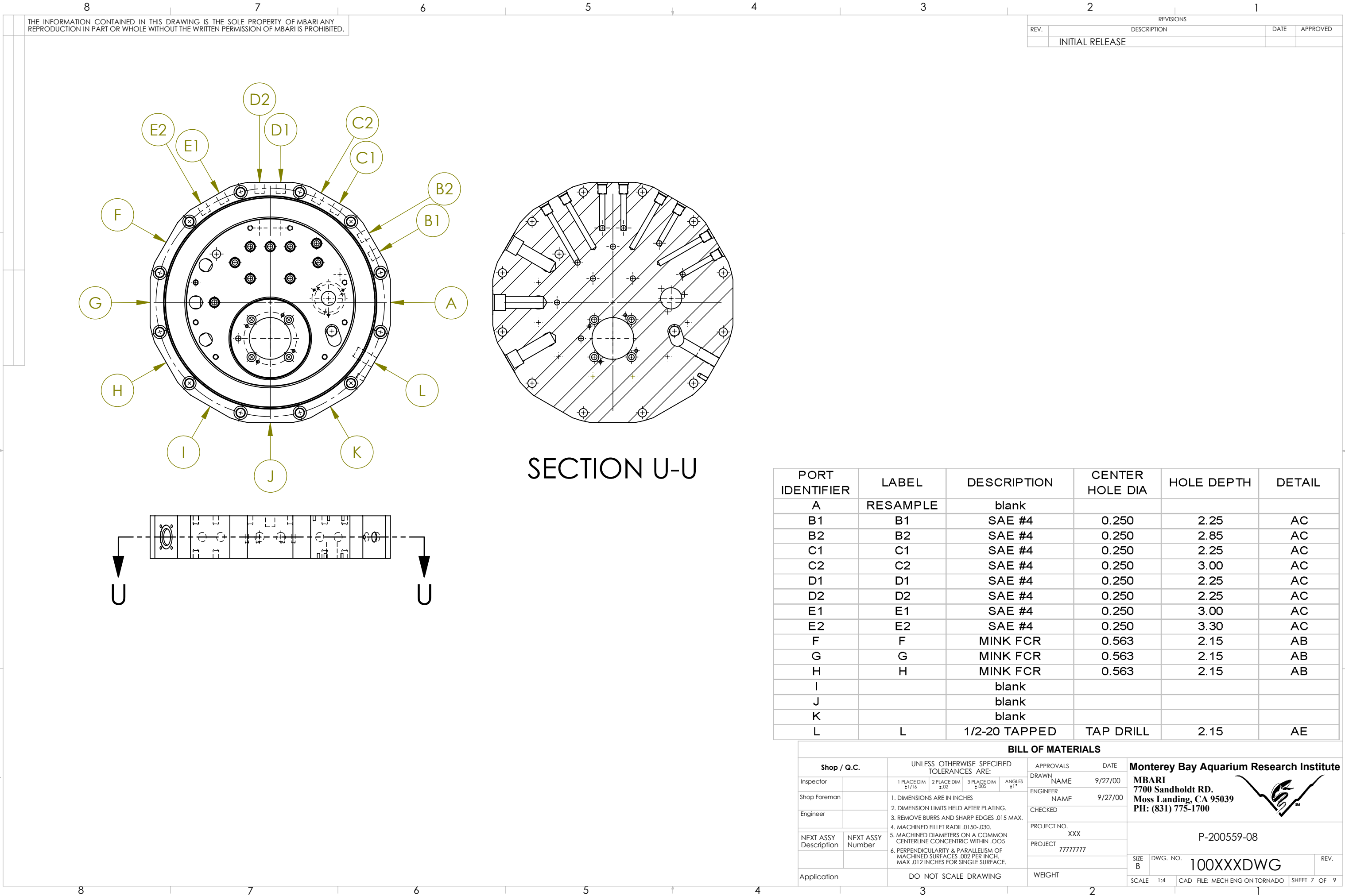




REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		



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	Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADIUS .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	P-200559-08				
Application		DO NOT SCALE DRAWING				WEIGHT		SIZE B DWG. NO. 100XXXDWG SCALE 1:4 CAD FILE: MECH ENG ON TORNADO	REV. SHEET 6 OF 9



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

SECTION U-U

PORT IDENTIFIER	LABEL	DESCRIPTION	CENTER HOLE DIA	HOLE DEPTH	DETAIL
A	RESAMPLE	blank			
B1	B1	SAE #4	0.250	2.25	AC
B2	B2	SAE #4	0.250	2.85	AC
C1	C1	SAE #4	0.250	2.25	AC
C2	C2	SAE #4	0.250	3.00	AC
D1	D1	SAE #4	0.250	2.25	AC
D2	D2	SAE #4	0.250	2.25	AC
E1	E1	SAE #4	0.250	3.00	AC
E2	E2	SAE #4	0.250	3.30	AC
F	F	MINK FCR	0.563	2.15	AB
G	G	MINK FCR	0.563	2.15	AB
H	H	MINK FCR	0.563	2.15	AB
I		blank			
J		blank			
K		blank			
L	L	1/2-20 TAPPED	TAP DRILL	2.15	AE

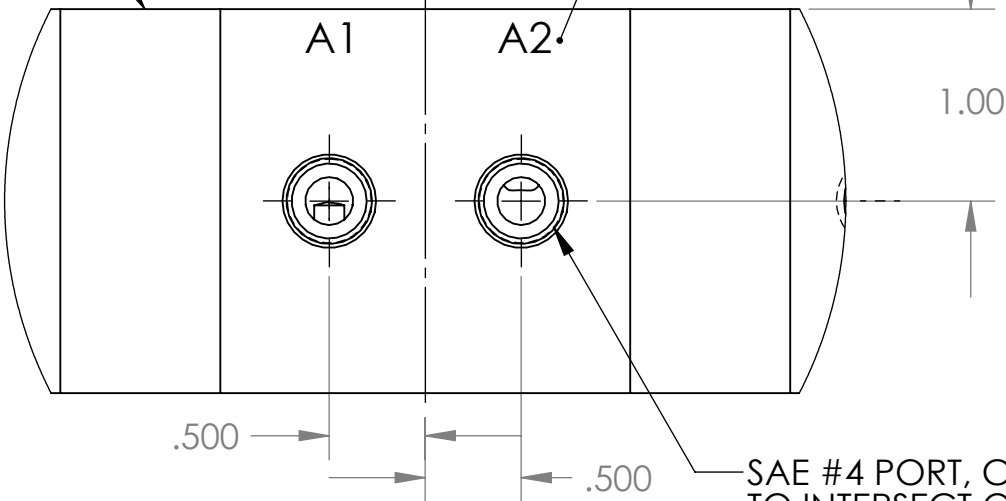
BILL OF MATERIALS												
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700  P-200559-08		
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	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		SIZE B		DWG. NO. 100XXXDWG		REV.
								SCALE 1:4		CAD FILE: MECH ENG ON TORNADO		SHEET 7 OF 9

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
INITIAL RELEASE			

PLATE TOP
(DRY SIDE)

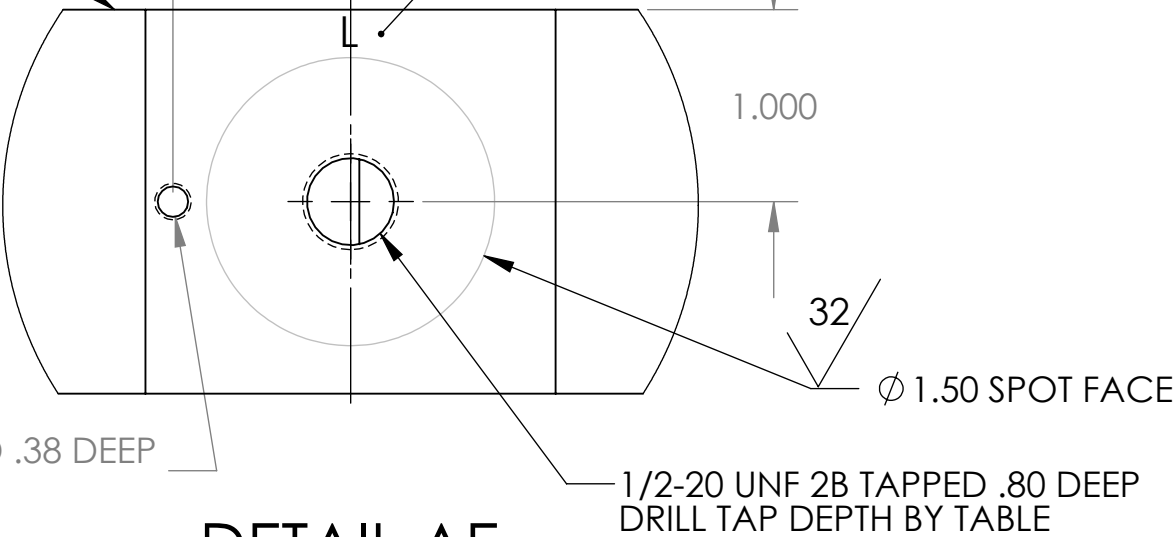
PORT IDENTIFIER
SEE TABLE



DETAIL AC
DUAL SAE #4 PORTS

PLATE TOP
(DRY SIDE)

PORT IDENTIFIER
SEE TABLE



DETAIL AE
SEACON 1/2-20 PORT

#10-32 TAPPED .38 DEEP
 $\phi .16 \nabla .47$

1/2-20 UNF 2B TAPPED .80 DEEP
DRILL TAP DEPTH BY TABLE

$\phi 1.50$ SPOT FACE

SECTION

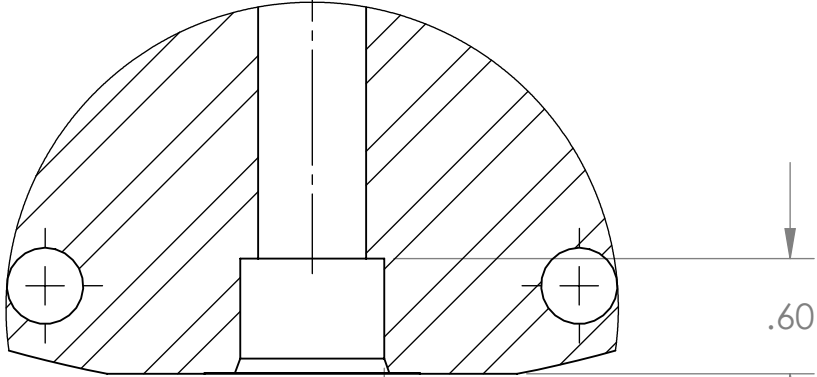
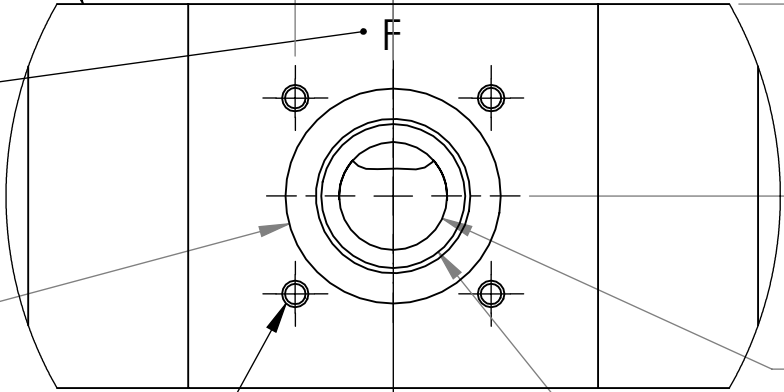


PLATE TOP
(DRY SIDE)

PORT IDENTIFIER
SEE TABLE

($\phi .805$)
($.510$ TYP)
(20°)



#6-40 TAPPED .25 DEEP
TYP OF 4

DETAIL AB
MINK FCR PORT

NOTE: SEACON MOUNTING REQUIREMENTS
SUPERCEDE REFERENCED DIMESIONS

($\phi .750^{+.002}_{-.000}$)
DEPTH BY TABLE

BILL OF MATERIALS

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS	DATE	Monterey Bay Aquarium Research Institute			
Inspector		1 PLACE DIM $\pm 1/16$	2 PLACE DIM $\pm .02$	3 PLACE DIM $\pm .005$	ANGLES $\pm 1^\circ$	DRAWN	NAME	9/27/00	 MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700		
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		P-200559-08		
Application		DO NOT SCALE DRAWING				WEIGHT			SIZE B	DWG. NO.	REV.
									SCALE 1:4	100XXXDWG	
									CAD FILE: MECH ENG ON TORNADO	SHEET 8 OF 9	