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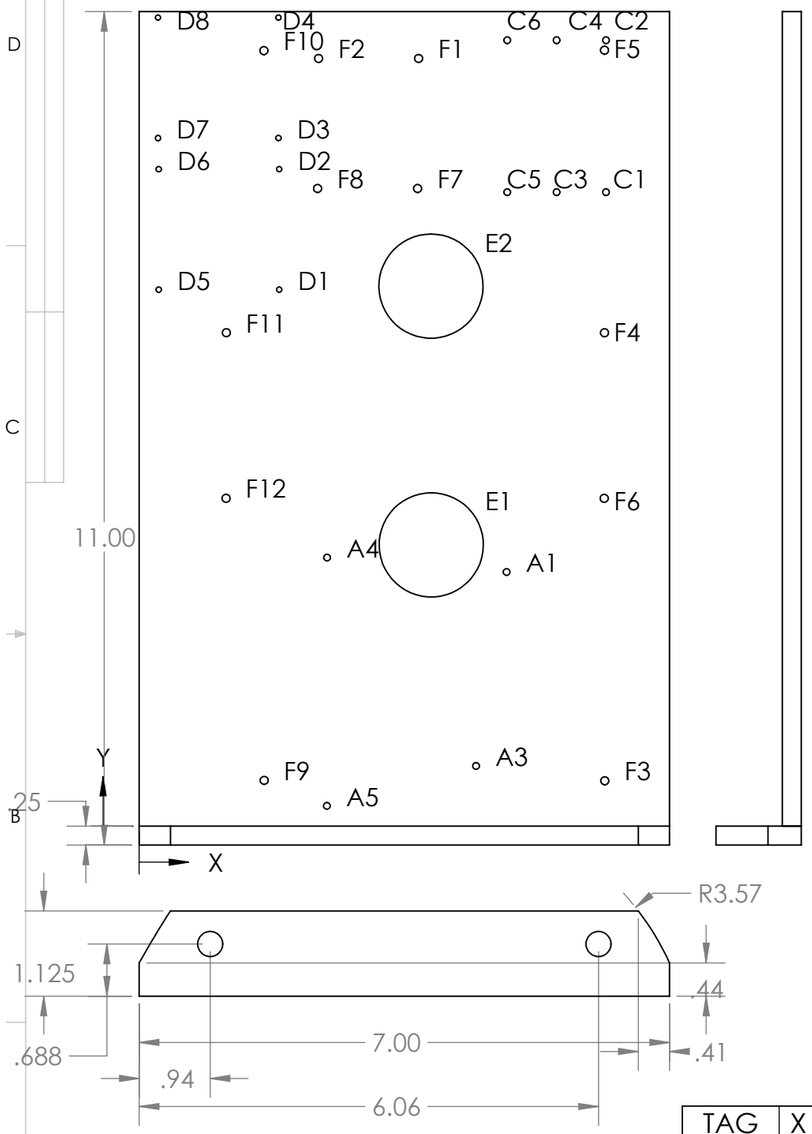

TAG	X LOC	Y LOC	SIZE
C1	6.16	8.37	∅ .09 THRU ALL 4-40 UNC THRU ALL ⌵ ∅ .16 X 100°, NEAR SIDE
C2	6.16	10.37	∅ .09 THRU ALL 4-40 UNC THRU ALL ⌵ ∅ .16 X 100°, NEAR SIDE
C3	5.51	8.37	∅ .09 THRU ALL 4-40 UNC THRU ALL ⌵ ∅ .16 X 100°, NEAR SIDE
C4	5.51	10.37	∅ .09 THRU ALL 4-40 UNC THRU ALL ⌵ ∅ .16 X 100°, NEAR SIDE
C5	4.86	8.37	∅ .09 THRU ALL 4-40 UNC THRU ALL ⌵ ∅ .16 X 100°, NEAR SIDE
C6	4.86	10.37	∅ .09 THRU ALL 4-40 UNC THRU ALL ⌵ ∅ .16 X 100°, NEAR SIDE
F3	6.15	.60	∅ .11 THRU ALL 6-32 UNC THRU ALL
F4	6.14	6.51	∅ .11 THRU ALL 6-32 UNC THRU ALL
F5	6.14	10.24	∅ .11 THRU ALL 6-32 UNC THRU ALL
F6	6.14	4.33	∅ .11 THRU ALL 6-32 UNC THRU ALL
F7	3.67	8.41	∅ .11 THRU ALL 6-32 UNC THRU ALL
F8	2.35	8.41	∅ .11 THRU ALL 6-32 UNC THRU ALL
F9	1.65	.60	∅ .11 THRU ALL 6-32 UNC THRU ALL
F10	1.65	10.23	∅ .11 THRU ALL 6-32 UNC THRU ALL
F11	1.15	6.51	∅ .11 THRU ALL 6-32 UNC THRU ALL

TAG	X LOC	Y LOC	SIZE
F12	1.15	4.33	∅ .11 THRU ALL 6-32 UNC THRU ALL
E1	3.85	3.71	∅1.38 THRU
E2	3.85	7.13	∅1.38 THRU
F1	3.69	10.13	∅ .11 THRU ALL 6-32 UNC THRU ALL
F2	2.37	10.13	∅ .11 THRU ALL 6-32 UNC THRU ALL
D1	1.85	7.08	∅ .07 THRU ALL 2-56 UNC THRU ALL ⌵ ∅ .14 X 100°, NEAR SIDE
D2	1.85	8.67	∅ .07 THRU ALL 2-56 UNC THRU ALL ⌵ ∅ .14 X 100°, NEAR SIDE
D3	1.84	9.08	∅ .07 THRU ALL 2-56 UNC THRU ALL ⌵ ∅ .14 X 100°, NEAR SIDE
D4	1.84	10.67	∅ .07 THRU ALL 2-56 UNC THRU ALL ⌵ ∅ .14 X 100°, NEAR SIDE
D5	.26	7.08	∅ .07 THRU ALL 2-56 UNC THRU ALL ⌵ ∅ .14 X 100°, NEAR SIDE
D6	.26	8.67	∅ .07 THRU ALL 2-56 UNC THRU ALL ⌵ ∅ .14 X 100°, NEAR SIDE
D7	.25	9.08	∅ .07 THRU ALL 2-56 UNC THRU ALL ⌵ ∅ .14 X 100°, NEAR SIDE
D8	.25	10.67	∅ .07 THRU ALL 2-56 UNC THRU ALL ⌵ ∅ .14 X 100°, NEAR SIDE

TAG	X LOC	Y LOC	SIZE
A1	4.85	3.35	∅ .09 THRU ALL 4-40 UNC THRU ALL
A3	4.45	.79	∅ .09 THRU ALL 4-40 UNC THRU ALL
A4	2.48	3.54	∅ .09 THRU ALL 4-40 UNC THRU ALL
A5	2.48	.27	∅ .09 THRU ALL 4-40 UNC THRU ALL

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

Material is Aluminum
Welded butt joint between parts
If required, weld should be cleaned up to allow machine bolts to be flush.

BILL OF MATERIALS

Shop / Q.C.
Inspector
Shop Foreman
Engineer
NEXT ASSY Description | NEXT ASSY Number
Application

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:

1 PLACE DIM	2 PLACE DIM	3 PLACE DIM	ANGLES
±1/16	±.02	±.005	±1°

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

APPROVALS	DATE
DRAWN TCD	9/17/18
ENGINEER	
CHECKED	
PROJECT NO. 901802	
PROJECT Deepsea Connect	
WEIGHT	

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

Coldplate Assembly

SIZE B | DWG. NO. 100XXXDWG | REV.

SCALE 1:4 | CAD FILE: MECH ENG ON TORNADO | SHEET 1 OF 1