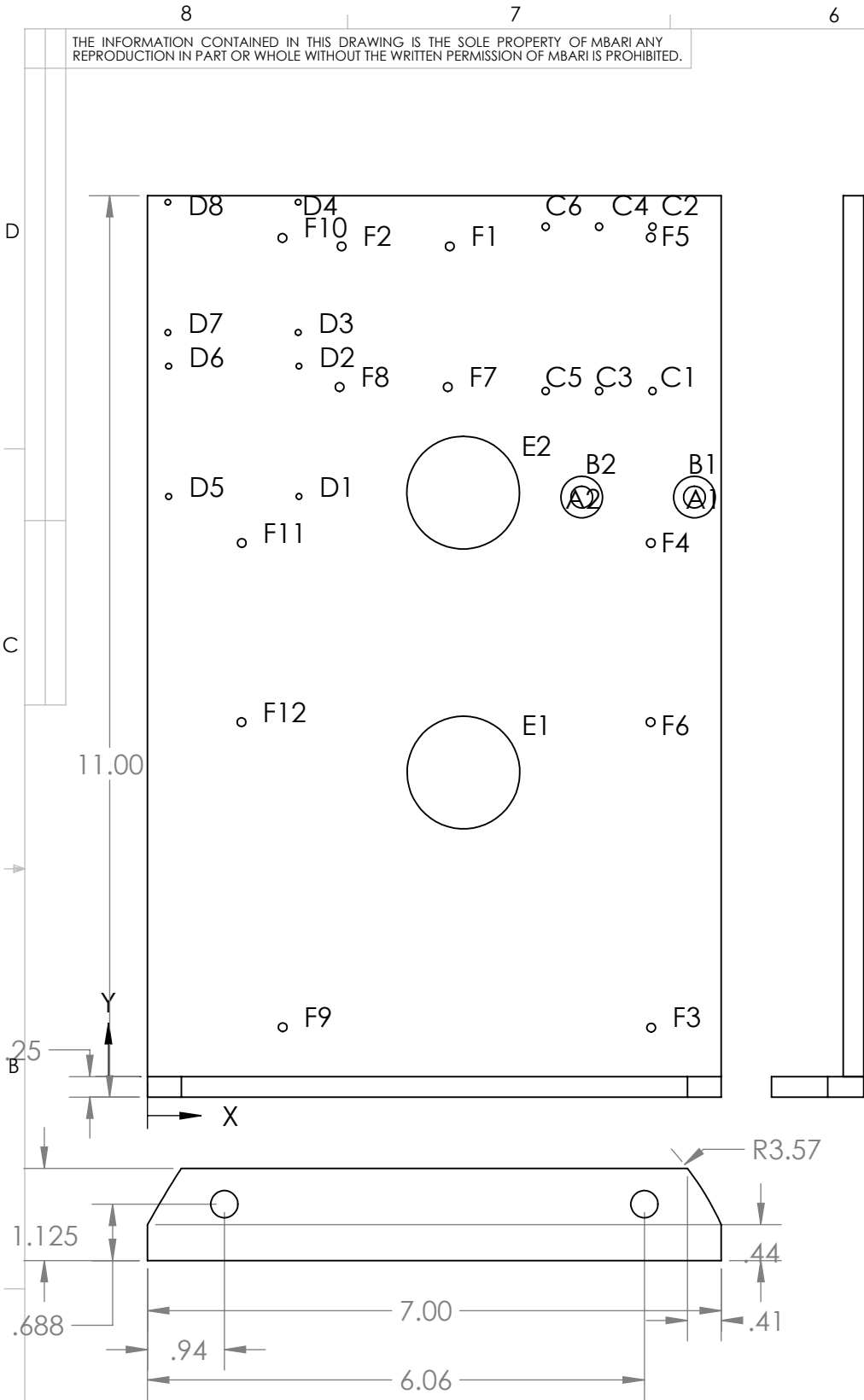




| TAG | X LOC | Y LOC | SIZE                                                                                  | TAG | X LOC | Y LOC | SIZE                                                                                  |
|-----|-------|-------|---------------------------------------------------------------------------------------|-----|-------|-------|---------------------------------------------------------------------------------------|
| A1  | 6.67  | 7.07  | $\phi$ .27 $\nabla$ .65<br>$\checkmark$ $\phi$ .51 X 100°                             | F8  | 2.34  | 8.41  | $\phi$ .11 THRU ALL<br>6-32 UNC THRU ALL                                              |
| A2  | 5.30  | 7.07  | $\phi$ .27 $\nabla$ .65<br>$\checkmark$ $\phi$ .51 X 100°                             | F9  | 1.65  | .60   | $\phi$ .11 THRU ALL<br>6-32 UNC THRU ALL                                              |
| B1  | 6.67  | 7.07  | $\phi$ .27 $\nabla$ .65<br>$\checkmark$ $\phi$ .51 X 100°                             | F10 | 1.65  | 10.23 | $\phi$ .11 THRU ALL<br>6-32 UNC THRU ALL                                              |
| B2  | 5.30  | 7.07  | $\phi$ .27 $\nabla$ .65<br>$\checkmark$ $\phi$ .51 X 100°                             | F11 | 1.15  | 6.51  | $\phi$ .11 THRU ALL<br>6-32 UNC THRU ALL                                              |
| C1  | 6.16  | 8.37  | $\phi$ .09 THRU ALL<br>4-40 UNC THRU ALL<br>$\checkmark$ $\phi$ .16 X 100°, NEAR SIDE | F12 | 1.15  | 4.33  | $\phi$ .11 THRU ALL<br>6-32 UNC THRU ALL                                              |
| C2  | 6.16  | 10.37 | $\phi$ .09 THRU ALL<br>4-40 UNC THRU ALL<br>$\checkmark$ $\phi$ .16 X 100°, NEAR SIDE | E1  | 3.85  | 3.71  | $\phi$ 1.38 THRU                                                                      |
| C3  | 5.51  | 8.37  | $\phi$ .09 THRU ALL<br>4-40 UNC THRU ALL<br>$\checkmark$ $\phi$ .16 X 100°, NEAR SIDE | E2  | 3.85  | 7.13  | $\phi$ 1.38 THRU                                                                      |
| C4  | 5.51  | 10.37 | $\phi$ .09 THRU ALL<br>4-40 UNC THRU ALL<br>$\checkmark$ $\phi$ .16 X 100°, NEAR SIDE | F1  | 3.69  | 10.13 | $\phi$ .11 THRU ALL<br>6-32 UNC THRU ALL                                              |
| C5  | 4.86  | 8.37  | $\phi$ .09 THRU ALL<br>4-40 UNC THRU ALL<br>$\checkmark$ $\phi$ .16 X 100°, NEAR SIDE | F2  | 2.37  | 10.13 | $\phi$ .11 THRU ALL<br>6-32 UNC THRU ALL                                              |
| C6  | 4.86  | 10.37 | $\phi$ .09 THRU ALL<br>4-40 UNC THRU ALL<br>$\checkmark$ $\phi$ .16 X 100°, NEAR SIDE | D1  | 1.85  | 7.08  | $\phi$ .07 THRU ALL<br>2-56 UNC THRU ALL<br>$\checkmark$ $\phi$ .14 X 100°, NEAR SIDE |
| F3  | 6.15  | .60   | $\phi$ .11 THRU ALL<br>6-32 UNC THRU ALL                                              | D2  | 1.85  | 8.67  | $\phi$ .07 THRU ALL<br>2-56 UNC THRU ALL<br>$\checkmark$ $\phi$ .14 X 100°, NEAR SIDE |
| F4  | 6.14  | 6.51  | $\phi$ .11 THRU ALL<br>6-32 UNC THRU ALL                                              | D3  | 1.84  | 9.08  | $\phi$ .07 THRU ALL<br>2-56 UNC THRU ALL<br>$\checkmark$ $\phi$ .14 X 100°, NEAR SIDE |
| F5  | 6.14  | 10.24 | $\phi$ .11 THRU ALL<br>6-32 UNC THRU ALL                                              | D4  | 1.84  | 10.67 | $\phi$ .07 THRU ALL<br>2-56 UNC THRU ALL<br>$\checkmark$ $\phi$ .14 X 100°, NEAR SIDE |
| F6  | 6.14  | 4.33  | $\phi$ .11 THRU ALL<br>6-32 UNC THRU ALL                                              | D5  | .26   | 7.08  | $\phi$ .07 THRU ALL<br>2-56 UNC THRU ALL<br>$\checkmark$ $\phi$ .14 X 100°, NEAR SIDE |
| F7  | 3.66  | 8.41  | $\phi$ .11 THRU ALL<br>6-32 UNC THRU ALL                                              | D6  | .26   | 8.67  | $\phi$ .07 THRU ALL<br>2-56 UNC THRU ALL<br>$\checkmark$ $\phi$ .14 X 100°, NEAR SIDE |

| TAG | X LOC | Y LOC | SIZE                                                                                  |
|-----|-------|-------|---------------------------------------------------------------------------------------|
| D7  | .25   | 9.08  | $\phi$ .07 THRU ALL<br>2-56 UNC THRU ALL<br>$\checkmark$ $\phi$ .14 X 100°, NEAR SIDE |
| D8  | .25   | 10.67 | $\phi$ .07 THRU ALL<br>2-56 UNC THRU ALL<br>$\checkmark$ $\phi$ .14 X 100°, NEAR SIDE |

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.           |                  | UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:                                                                                                                                                                                                                                                                                                      |                       |                        |                 | APPROVALS   |                 | DATE                                                                                                                                  |  |
| Inspector             |                  | 1 PLACE DIM $\pm$ 1/16                                                                                                                                                                                                                                                                                                                          | 2 PLACE DIM $\pm$ .02 | 3 PLACE DIM $\pm$ .005 | ANGLES $\pm$ 1° | DRAWN       | TCD             | 9/17/18                                                                                                                               |  |
| Shop Foreman          |                  | 1. DIMENSIONS ARE IN INCHES<br>2. DIMENSION LIMITS HELD AFTER PLATING.<br>3. REMOVE BURRS AND SHARP EDGES .015 MAX.<br>4. MACHINED FILLET RADII .0150-.030.<br>5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005<br>6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX .012 INCHES FOR SINGLE SURFACE. |                       |                        |                 | ENGINEER    |                 | <b>Monterey Bay Aquarium Research Institute</b><br><b>MBARI</b><br>7700 Sandholdt RD.<br>Moss Landing, CA 95039<br>PH: (831) 775-1700 |  |
| Engineer              |                  |                                                                                                                                                                                                                                                                                                                                                 |                       |                        |                 | CHECKED     |                 |                                                                                                                                       |  |
| NEXT ASSY Description | NEXT ASSY Number |                                                                                                                                                                                                                                                                                                                                                 |                       |                        |                 | PROJECT NO. | 901802          |                                                                                                                                       |  |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                       |                        |                 | PROJECT     | Deepsea Connect |                                                                                                                                       |  |
| Application           |                  | DO NOT SCALE DRAWING                                                                                                                                                                                                                                                                                                                            |                       |                        |                 | WEIGHT      |                 | SCALE 1:4                                                                                                                             |  |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                       |                        |                 |             |                 | CAD FILE: MECH ENG ON TORNADO                                                                                                         |  |

SIZE B

DWG. NO. 100XXXDWG

REV.

SHEET 1

OF 1