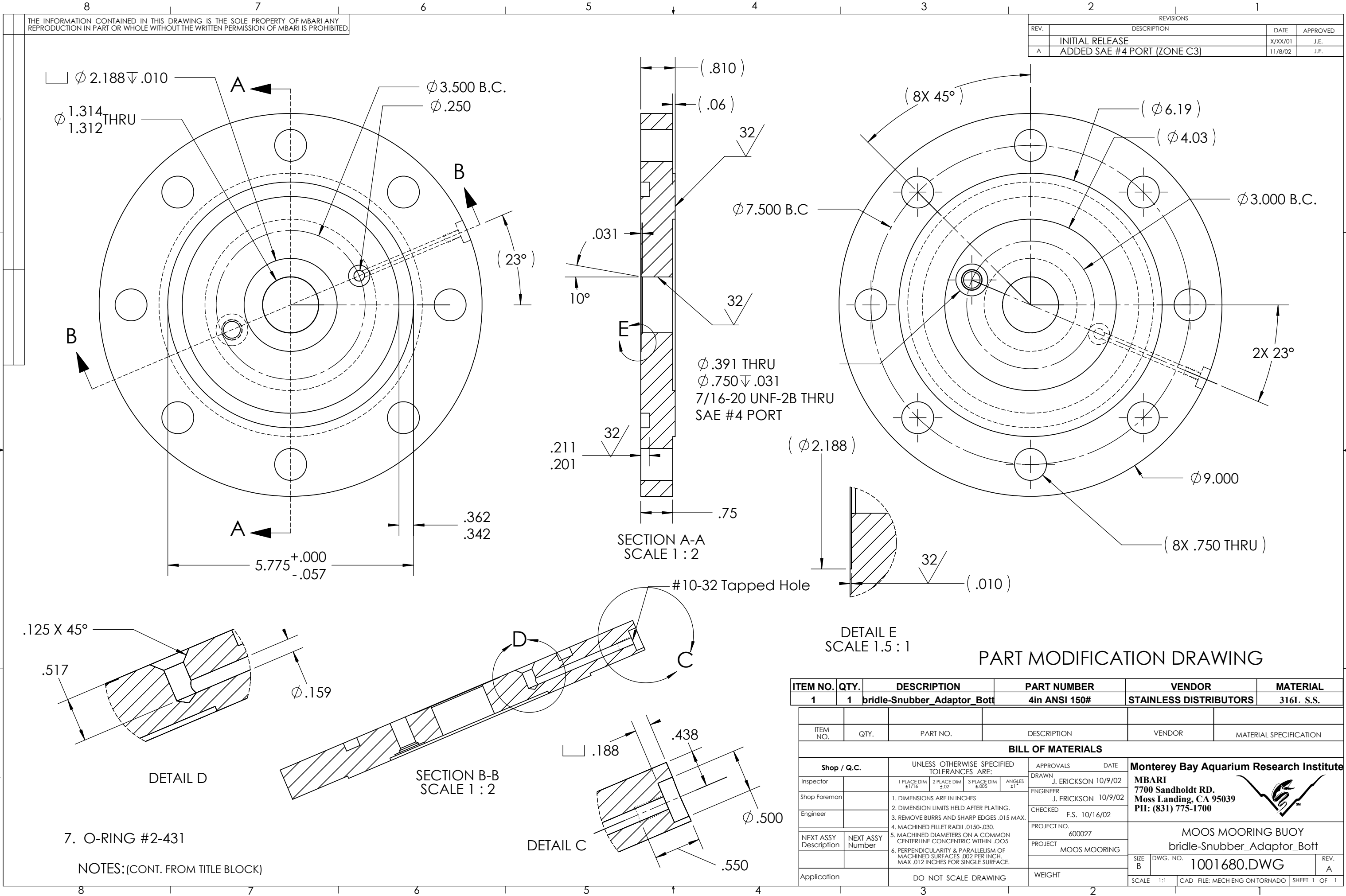
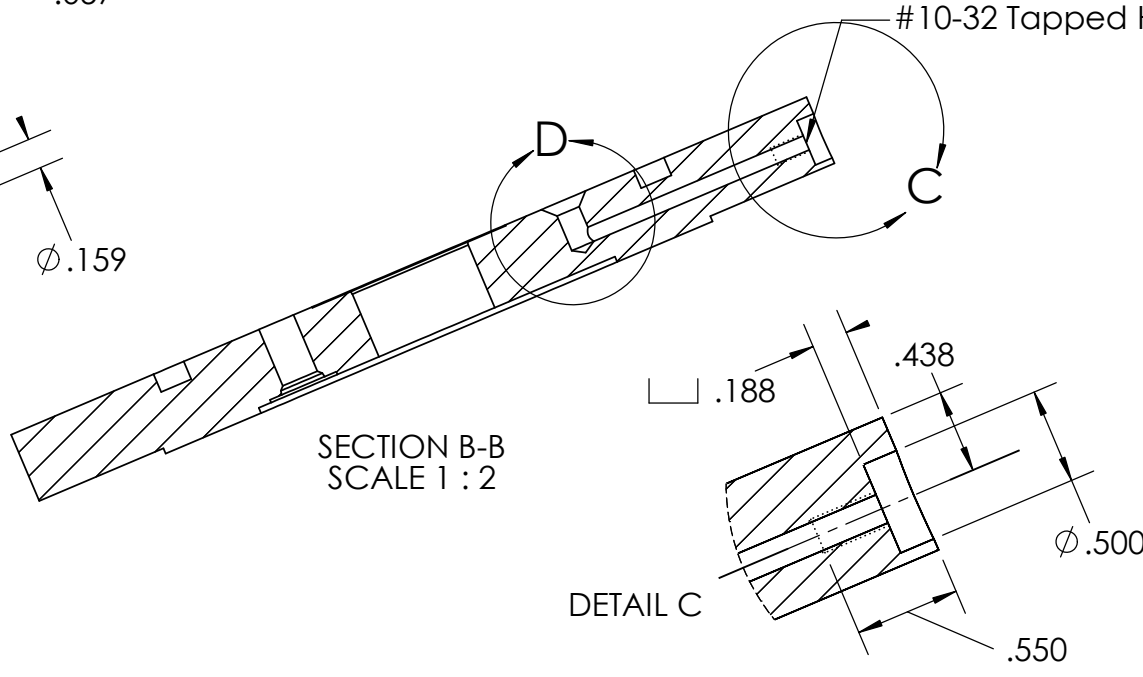
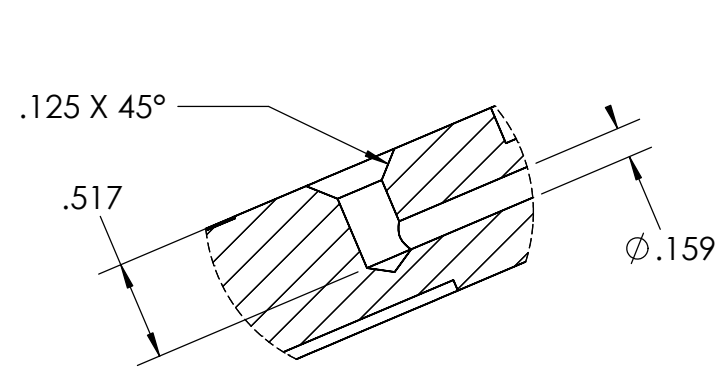
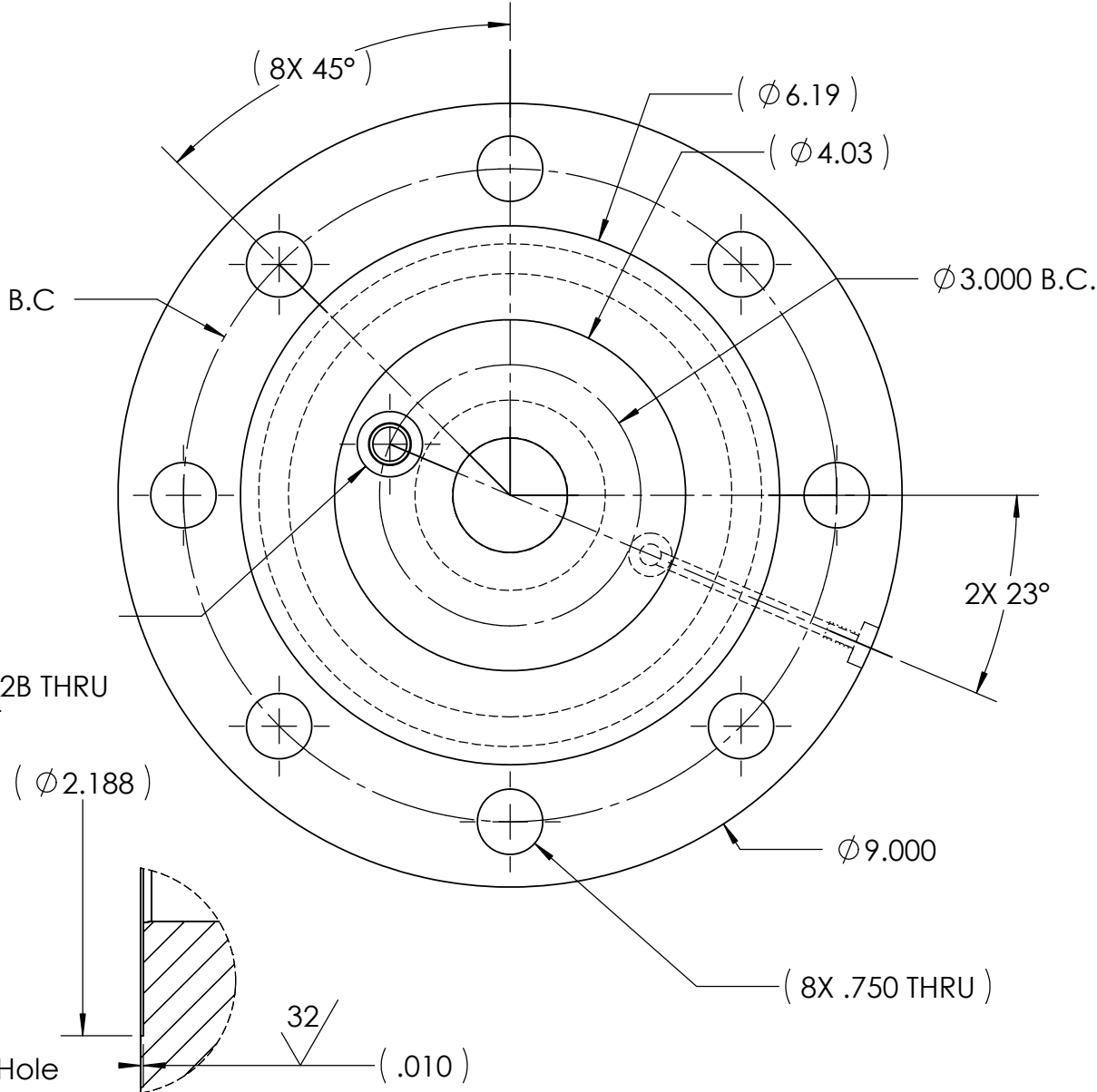
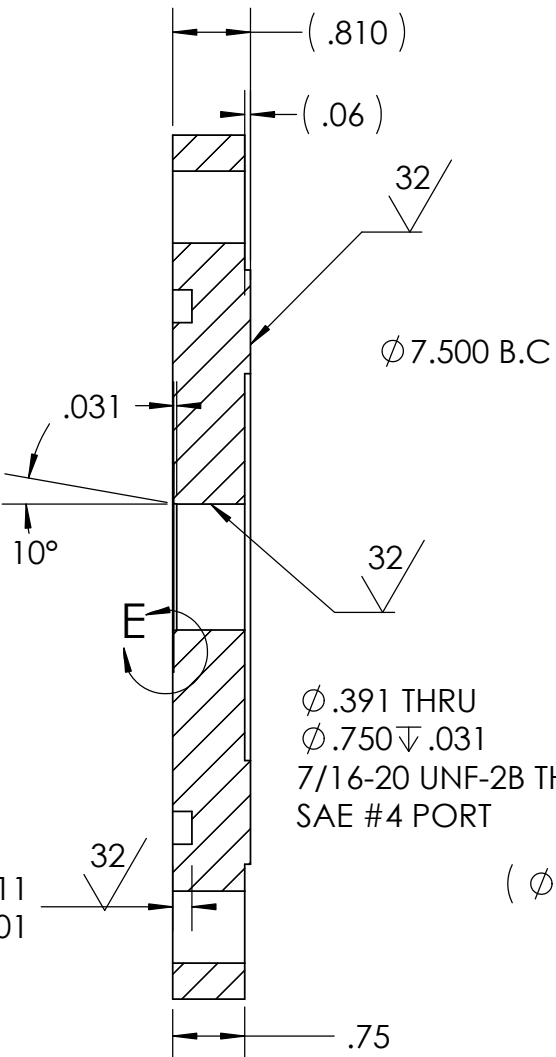
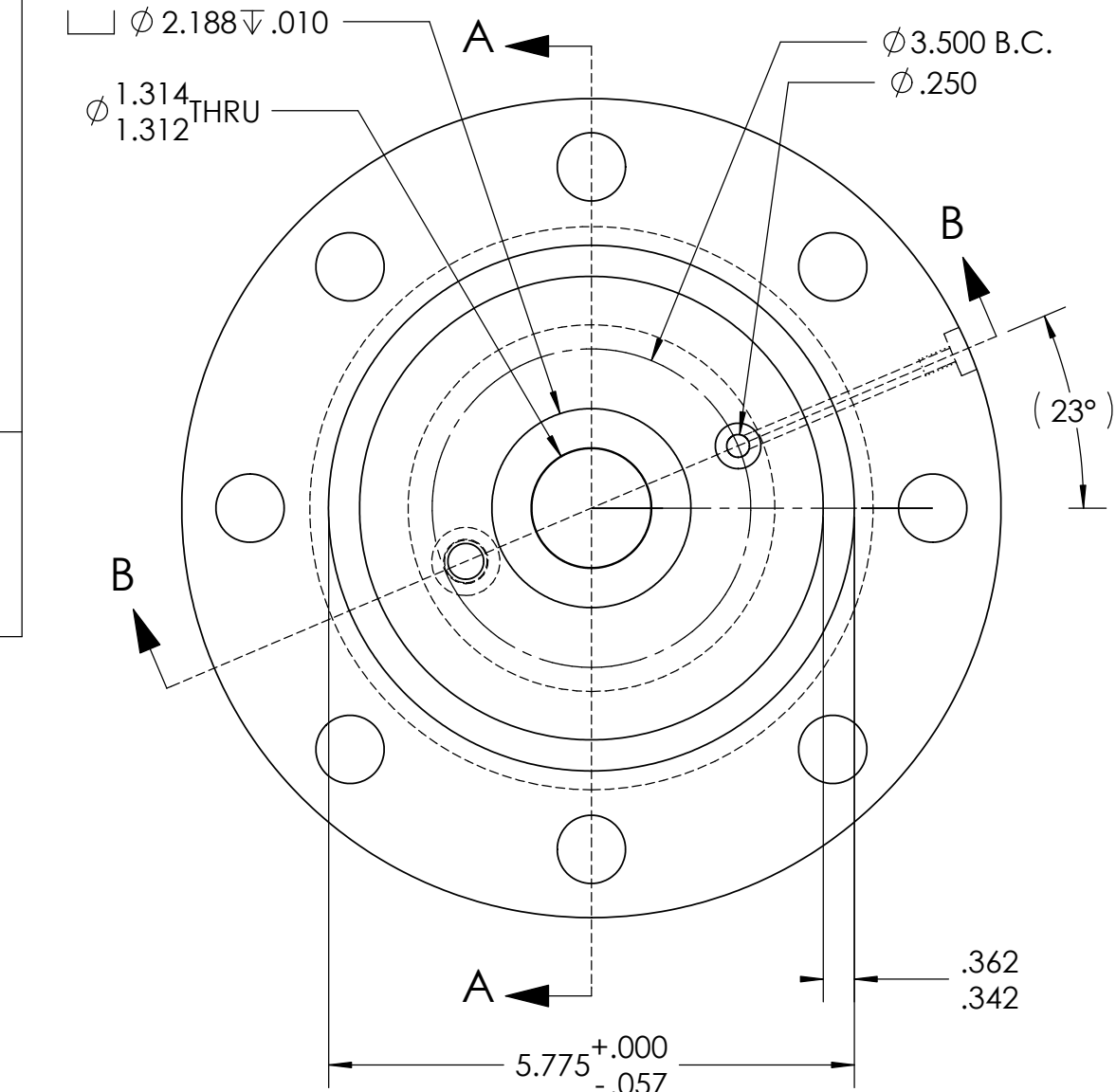




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| REVISIONS |                             |         |          |
|-----------|-----------------------------|---------|----------|
| REV.      | DESCRIPTION                 | DATE    | APPROVED |
|           | INITIAL RELEASE             | X/XX/01 | J.E.     |
| A         | ADDED SAE #4 PORT (ZONE C3) | 11/8/02 | J.E.     |



DETAIL E  
SCALE 1.5 : 1

PART MODIFICATION DRAWING

| ITEM NO. | QTY. | DESCRIPTION                 | PART NUMBER   | VENDOR                 | MATERIAL  |
|----------|------|-----------------------------|---------------|------------------------|-----------|
| 1        | 1    | bridle-Snubber_Adaptor_Bott | 4in ANSI 150# | STAINLESS DISTRIBUTORS | 316L S.S. |

| ITEM NO.              | QTY.             | PART NO.                                                                                                                                                                                                                                                                                                                                        | DESCRIPTION      | VENDOR            | MATERIAL SPECIFICATION       |
|-----------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------|------------------------------|
| 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°                   |
| 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. |                  |                   | DRAWN J. ERICKSON 10/9/02    |
| Engineer              |                  |                                                                                                                                                                                                                                                                                                                                                 |                  |                   | ENGINEER J. ERICKSON 10/9/02 |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                  |                   | CHECKED F.S. 10/16/02        |
| NEXT ASSY Description | NEXT ASSY Number |                                                                                                                                                                                                                                                                                                                                                 |                  |                   | PROJECT NO. 600027           |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                  |                   | PROJECT MOOS MOORING         |
| Application           |                  | DO NOT SCALE DRAWING                                                                                                                                                                                                                                                                                                                            |                  |                   | WEIGHT                       |

|                                                                             |                               |              |        |
|-----------------------------------------------------------------------------|-------------------------------|--------------|--------|
| Monterey Bay Aquarium Research Institute                                    |                               |              |        |
| MBARI<br>7700 Sandholdt RD.<br>Moss Landing, CA 95039<br>PH: (831) 775-1700 |                               |              |        |
| MOOS MOORING BUOY                                                           |                               |              |        |
| bridle-Snubber_Adaptor_Bott                                                 |                               |              |        |
| SIZE B                                                                      | DWG. NO.                      | 1001680.DWG  |        |
| SCALE 1:1                                                                   | CAD FILE: MECH ENG ON TORNADO | SHEET 1 OF 1 | REV. A |

7. O-RING #2-431

NOTES:(CONT. FROM TITLE BLOCK)