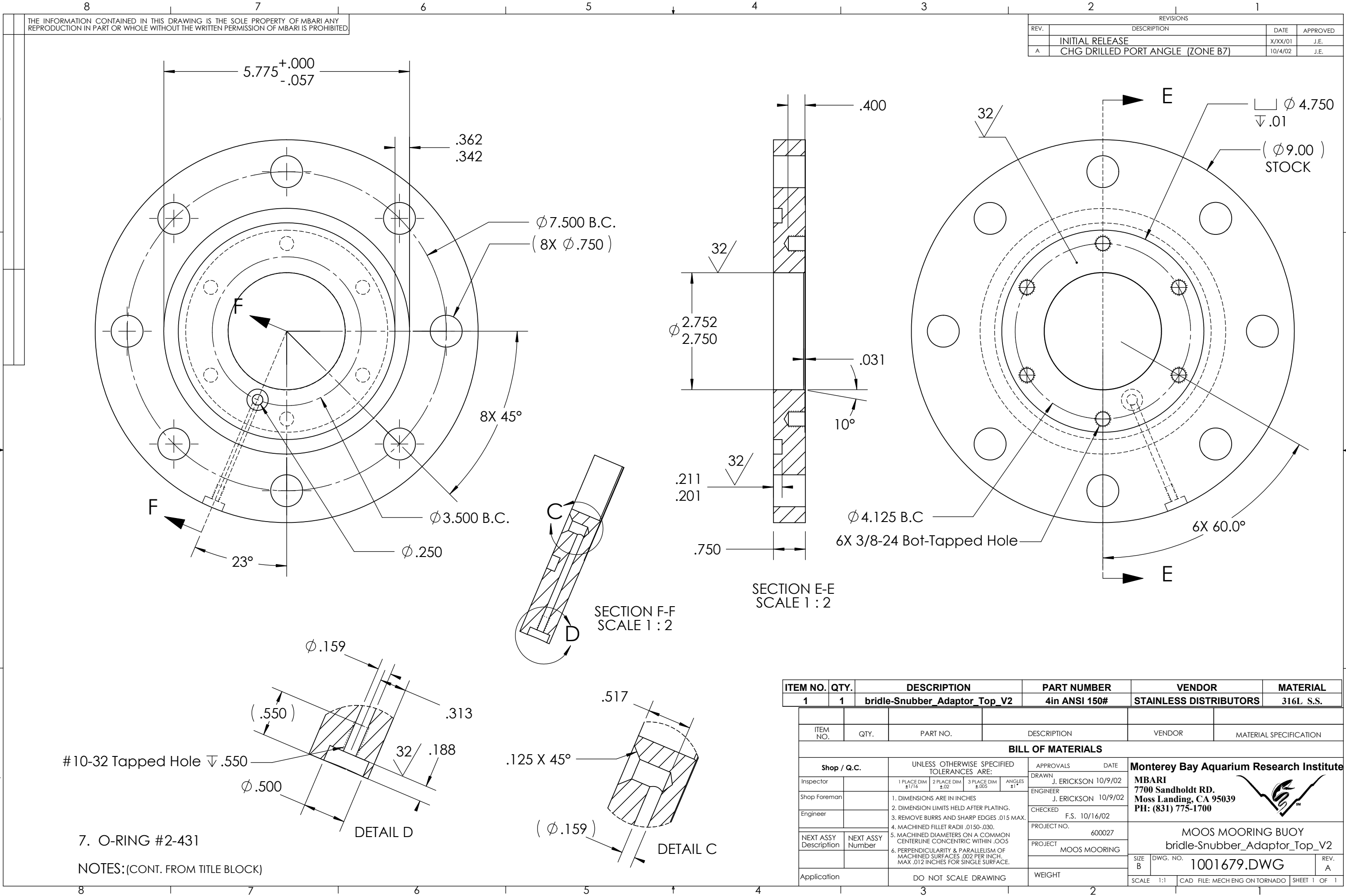




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| REVISIONS |                                  |         |          |
|-----------|----------------------------------|---------|----------|
| REV.      | DESCRIPTION                      | DATE    | APPROVED |
|           | INITIAL RELEASE                  | X/XX/01 | J.E.     |
| A         | CHG DRILLED PORT ANGLE (ZONE B7) | 10/4/02 | J.E.     |

| ITEM NO. | QTY. | DESCRIPTION                   | PART NUMBER   | VENDOR                 | MATERIAL  |
|----------|------|-------------------------------|---------------|------------------------|-----------|
| 1        | 1    | bridle-Snubber_Adaptor_Top_V2 | 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                                                                               |                  | DRAWN J. ERICKSON 10/9/02    |                        |
| Engineer              |                  | 2. DIMENSION LIMITS HELD AFTER PLATING.                                                                   |                  | ENGINEER J. ERICKSON 10/9/02 |                        |
|                       |                  | 3. REMOVE BURRS AND SHARP EDGES .015 MAX.                                                                 |                  | CHECKED F.S. 10/16/02        |                        |
|                       |                  | 4. MACHINED FILLET RADII .0150-.030.                                                                      |                  | PROJECT NO. 600027           |                        |
| NEXT ASSY Description | NEXT ASSY Number | 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005                                       |                  | PROJECT MOOS MOORING         |                        |
|                       |                  | 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE. |                  | WEIGHT                       |                        |
| Application           |                  | DO NOT SCALE DRAWING                                                                                      |                  | SCALE 1:1                    |                        |

|                                                                             |                               |              |
|-----------------------------------------------------------------------------|-------------------------------|--------------|
| Monterey Bay Aquarium Research Institute                                    |                               |              |
| MBARI<br>7700 Sandholdt RD.<br>Moss Landing, CA 95039<br>PH: (831) 775-1700 |                               |              |
| MOOS MOORING BUOY<br>bridle-Snubber_Adaptor_Top_V2                          |                               |              |
| SIZE B                                                                      | DWG. NO. 1001679.DWG          | REV. A       |
| SCALE 1:1                                                                   | CAD FILE: MECH ENG ON TORNADO | SHEET 1 OF 1 |