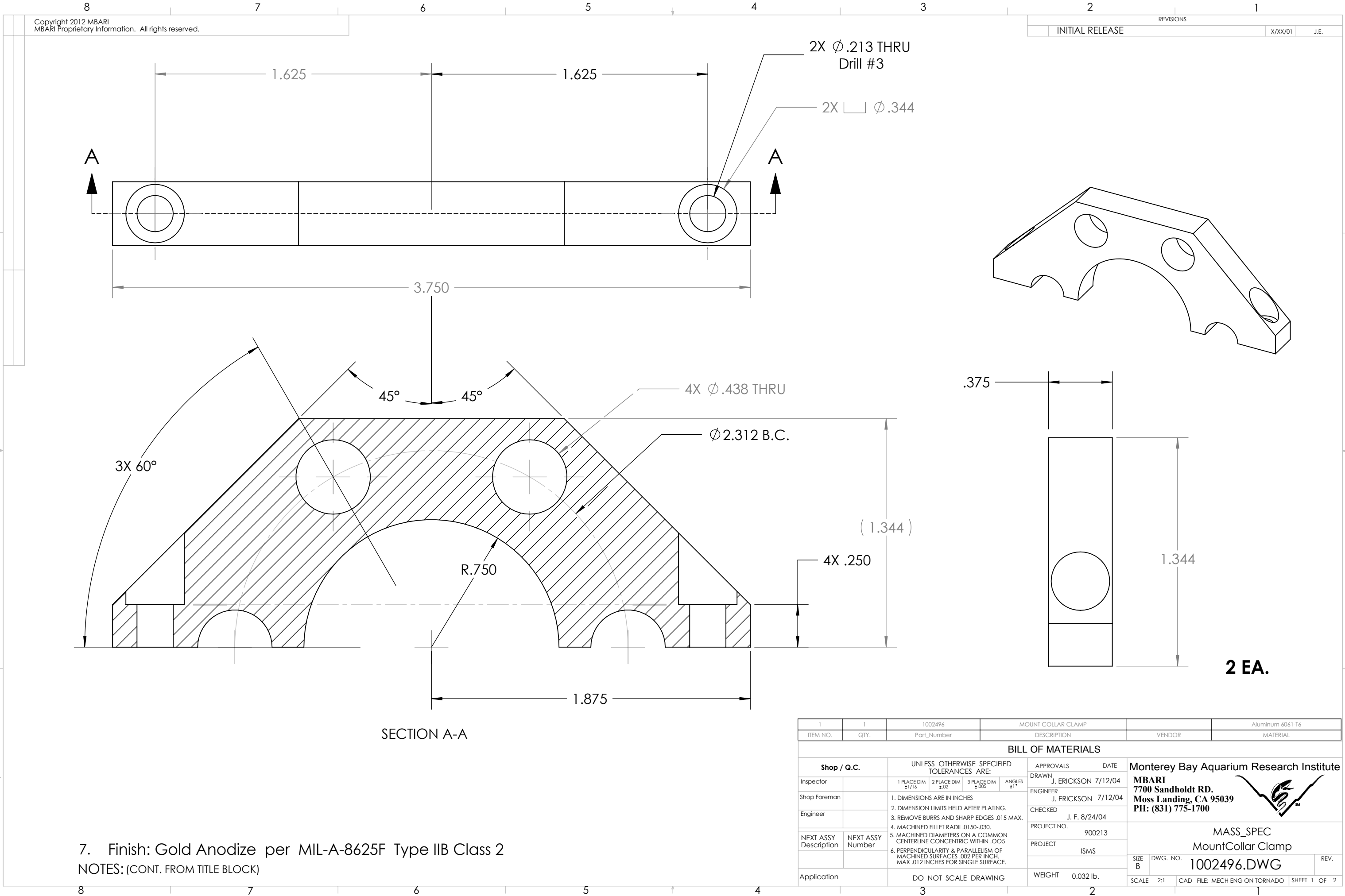
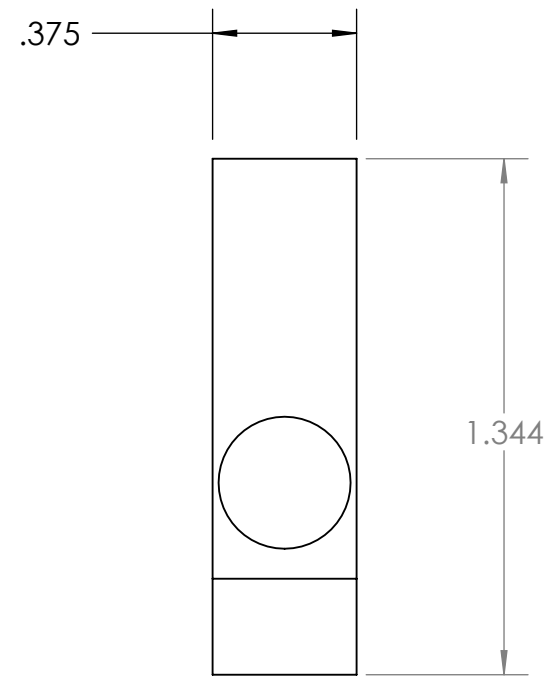
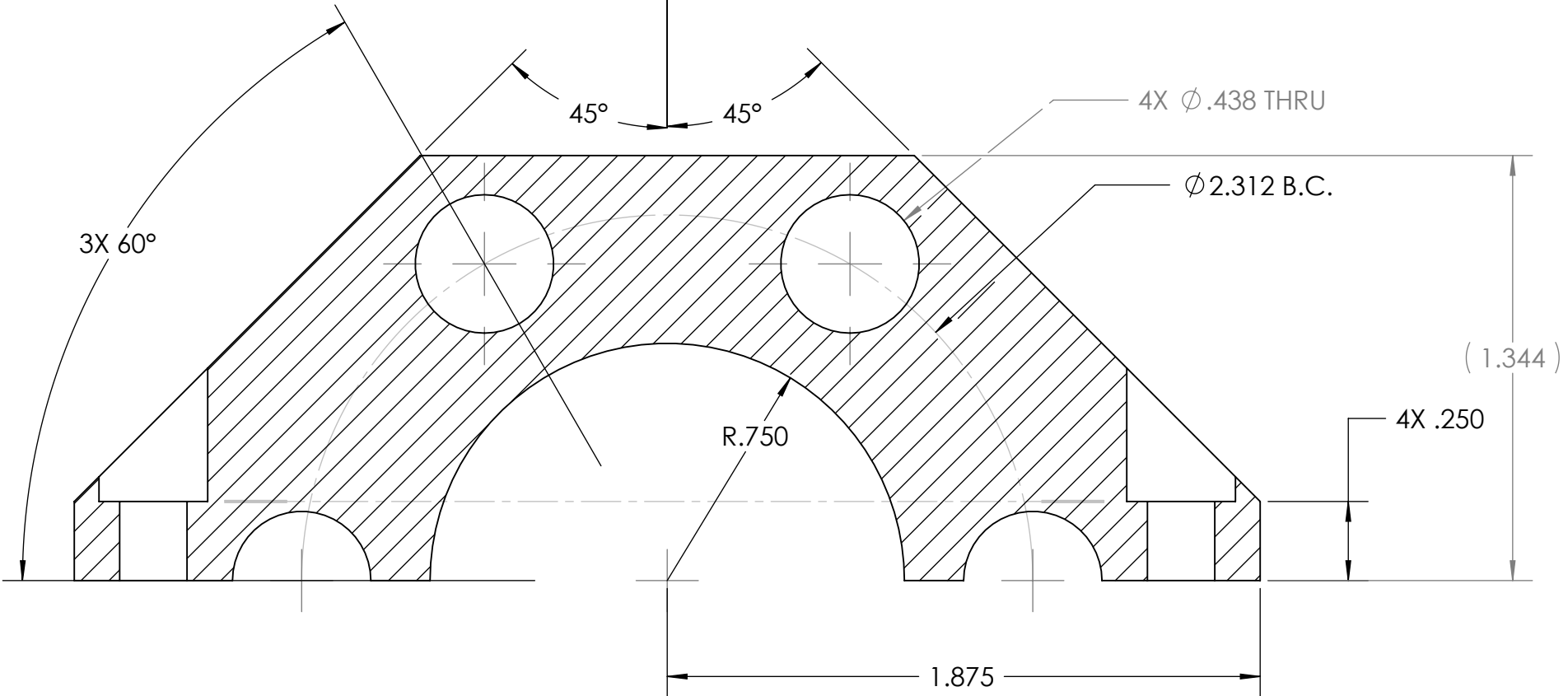
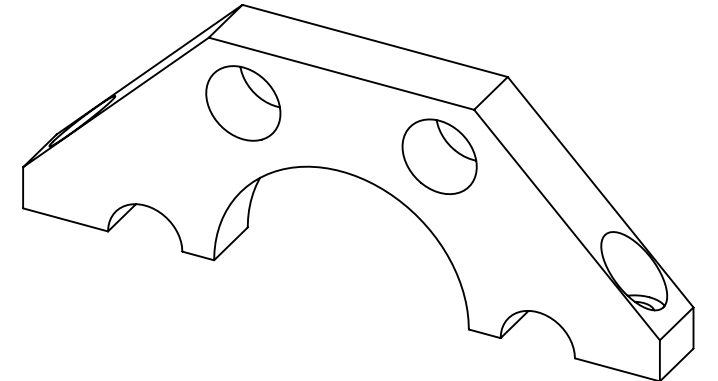
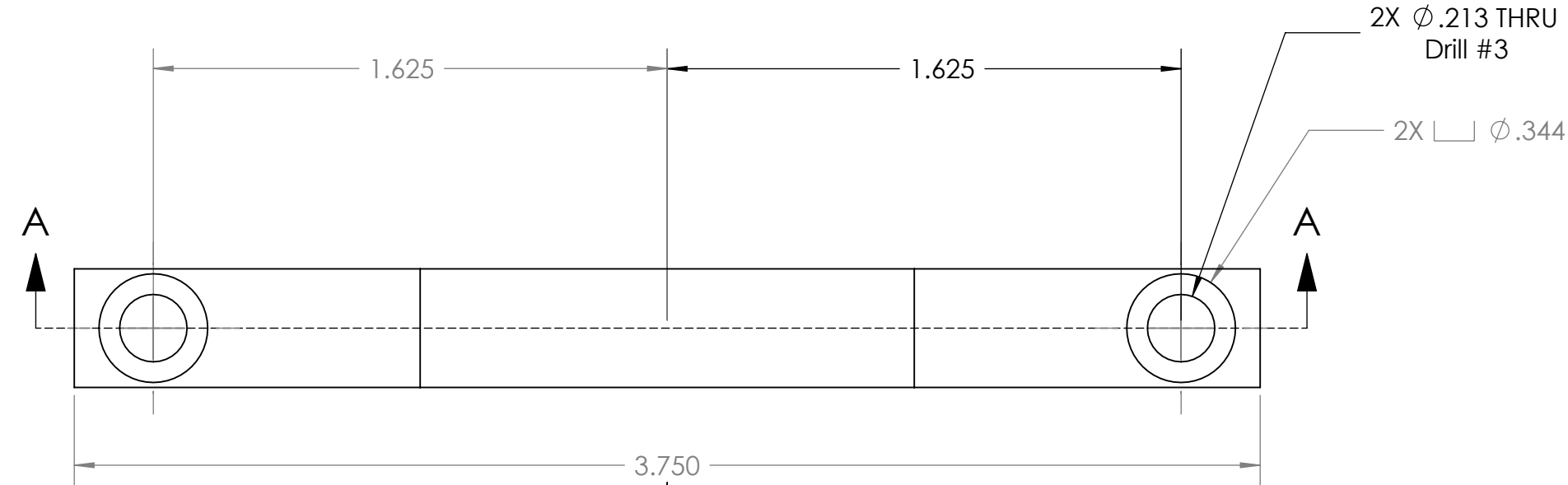




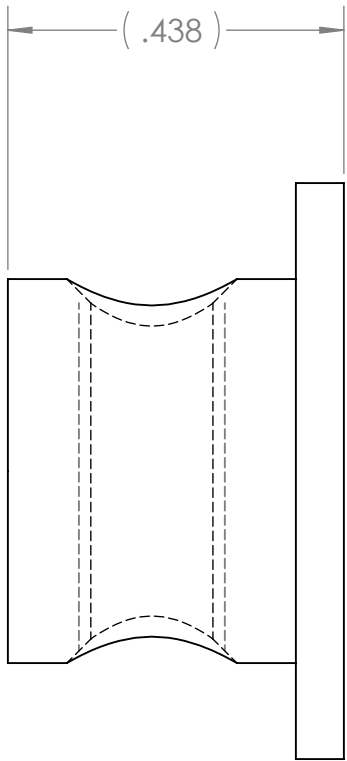
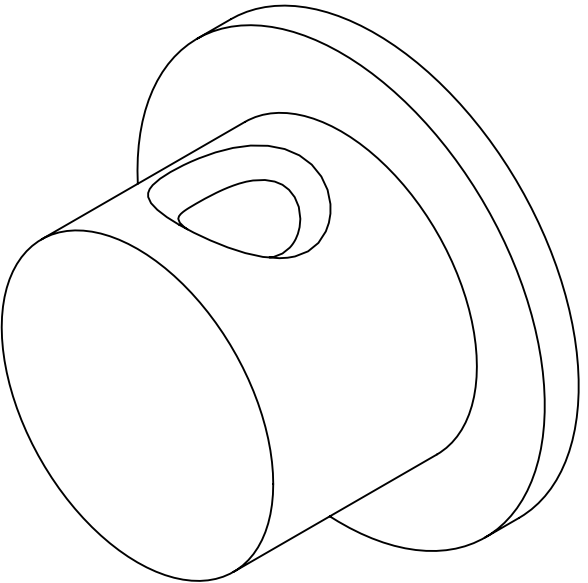
Copyright 2012 MBARI  
MBARI Proprietary Information. All rights reserved.

| REVISIONS       |         |      |
|-----------------|---------|------|
| INITIAL RELEASE | X/XX/01 | J.E. |



7. Finish: Gold Anodize per MIL-A-8625F Type IIB Class 2  
NOTES: (CONT. FROM TITLE BLOCK)

|                       |  |                                                                                                                                                                                                                                                                                                                                                 |                     |                               |                     |                                 |          |
|-----------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------|---------------------|---------------------------------|----------|
| 1                     |  | 1                                                                                                                                                                                                                                                                                                                                               | 1002496             | MOUNT COLLAR CLAMP            |                     | Aluminum 6061-T6                |          |
| ITEM NO.              |  | QTY.                                                                                                                                                                                                                                                                                                                                            | Part Number         | DESCRIPTION                   |                     | VENDOR                          | MATERIAL |
| BILL OF MATERIALS     |  |                                                                                                                                                                                                                                                                                                                                                 |                     |                               |                     |                                 |          |
| Shop / Q.C.           |  | UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:                                                                                                                                                                                                                                                                                                      |                     |                               | APPROVALS           |                                 | DATE     |
| Inspector             |  | 1 PLACE DIM<br>±1/16                                                                                                                                                                                                                                                                                                                            | 2 PLACE DIM<br>±.02 | 3 PLACE DIM<br>±.005          | ANGLES<br>±1°       | DRAWN<br>J. ERICKSON 7/12/04    |          |
| 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<br>J. ERICKSON 7/12/04 |          |
| Engineer              |  |                                                                                                                                                                                                                                                                                                                                                 |                     |                               |                     | CHECKED<br>J. F. 8/24/04        |          |
| NEXT ASSY Description |  |                                                                                                                                                                                                                                                                                                                                                 |                     |                               |                     | PROJECT NO.<br>900213           |          |
| NEXT ASSY Number      |  |                                                                                                                                                                                                                                                                                                                                                 |                     |                               |                     | PROJECT<br>ISMS                 |          |
| Application           |  | DO NOT SCALE DRAWING                                                                                                                                                                                                                                                                                                                            |                     |                               | WEIGHT<br>0.032 lb. |                                 |          |
|                       |  | SIZE<br>B                                                                                                                                                                                                                                                                                                                                       |                     | DWG. NO.<br>1002496.DWG       |                     | REV.                            |          |
|                       |  | SCALE<br>2:1                                                                                                                                                                                                                                                                                                                                    |                     | CAD FILE: MECH ENG ON TORNADO |                     | SHEET 1 OF 2                    |          |



NOTES: (CONT. FROM TITLE BLOCK)

|          |      |             |                    |  |        |                        |
|----------|------|-------------|--------------------|--|--------|------------------------|
|          | 1    | 1002496     | Flanged Barrel Nut |  |        | Aluminum Bronze CDA614 |
| ITEM NO. | QTY. | Part_Number | DESCRIPTION        |  | VENDOR | MATERIAL               |

| BILL OF MATERIALS     |                  |                                                                                                                                                                                                                                                                                                                                                                                                        |                                            |                      |                               |                                 |                                                                                                                                                                                                                                                                             |
|-----------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------|-------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shop / Q.C.           |                  | UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:                                                                                                                                                                                                                                                                                                                                                             |                                            |                      | APPROVALS                     | DATE                            | <div>Monterey Bay Aquarium Research Institute</div> <div><div>MBARI</div><div>7700 Sandholdt RD.</div><div>Moss Landing, CA 95039</div><div>PH: (831) 775-1700</div></div> <div></div> |
| Inspector             |                  | 1 PLACE DIM<br>±1/16                                                                                                                                                                                                                                                                                                                                                                                   | 2 PLACE DIM<br>±.02                        | 3 PLACE DIM<br>±.005 | ANGLES<br>±1°                 | DRAWN<br>J. ERICKSON 7/12/04    |                                                                                                                                                                                                                                                                             |
| Shop Foreman          |                  | <div>1. DIMENSIONS ARE IN INCHES</div> <div>2. DIMENSION LIMITS HELD AFTER PLATING.</div> <div>3. REMOVE BURRS AND SHARP EDGES .015 MAX.</div> <div>4. MACHINED FILLET RADII .0150-.030.</div> <div>5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005</div> <div>6. PERPENDICULARITY &amp; PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.</div> |                                            |                      |                               | ENGINEER<br>J. ERICKSON 7/12/04 |                                                                                                                                                                                                                                                                             |
| Engineer              |                  |                                                                                                                                                                                                                                                                                                                                                                                                        |                                            |                      |                               | CHECKED<br>J. F. 8/24/04        |                                                                                                                                                                                                                                                                             |
| NEXT ASSY Description | NEXT ASSY Number |                                                                                                                                                                                                                                                                                                                                                                                                        |                                            |                      |                               | PROJECT NO.<br>900213           |                                                                                                                                                                                                                                                                             |
|                       |                  | PROJECT<br>ISMS                                                                                                                                                                                                                                                                                                                                                                                        | MASS_SPEC<br>MountCollar Clamp_ Barrel Nut |                      |                               |                                 |                                                                                                                                                                                                                                                                             |
| Application           |                  | DO NOT SCALE DRAWING                                                                                                                                                                                                                                                                                                                                                                                   | WEIGHT                                     | SIZE<br>B            | DWG. NO.<br>1002496.DWG       | REV.                            |                                                                                                                                                                                                                                                                             |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                                                                        |                                            | SCALE 4:1            | CAD FILE: MECH ENG ON TORNADO | SHEET 2 OF 2                    |                                                                                                                                                                                                                                                                             |