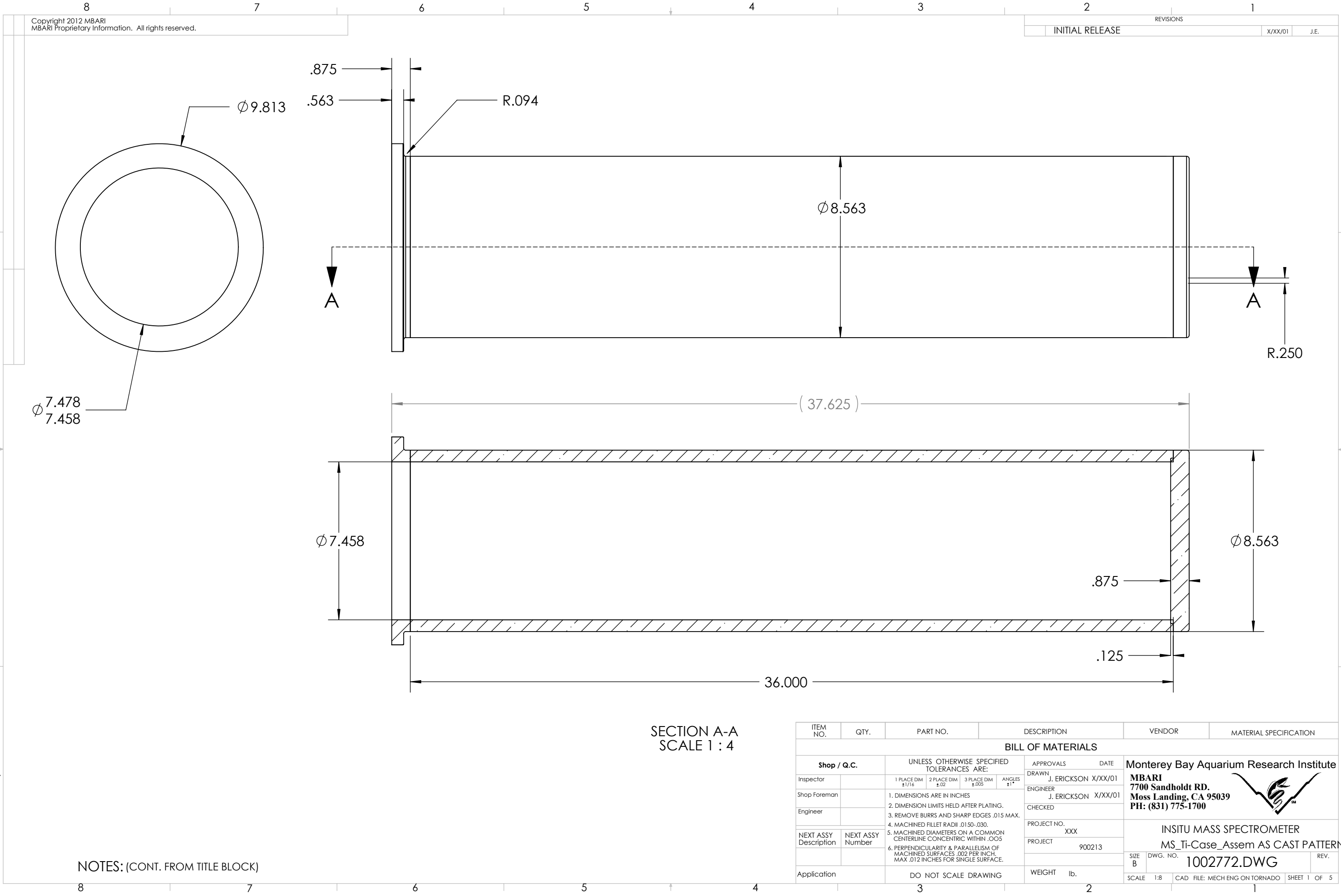
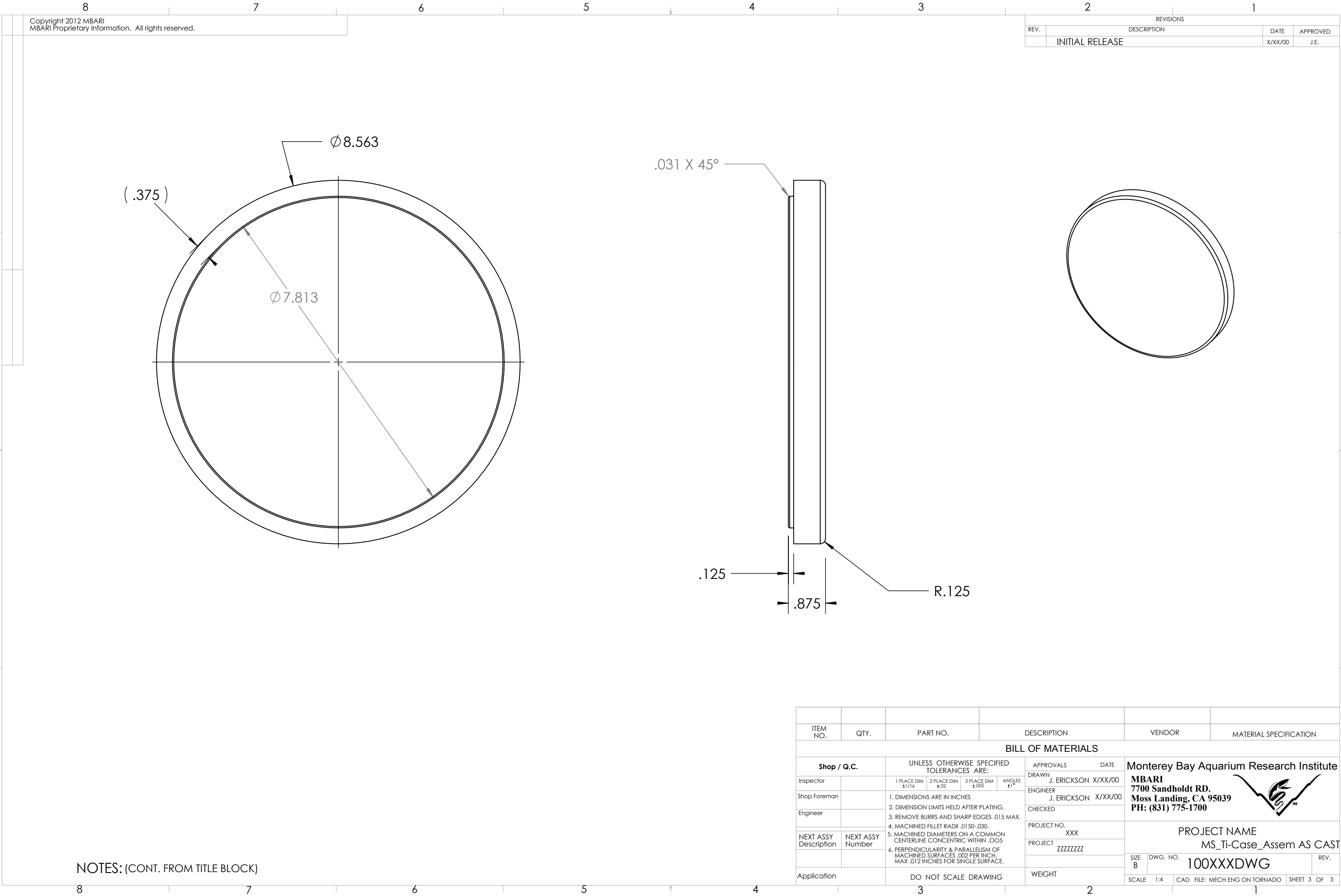






|                                                                                                             |                  |                                                                                                           |                               |                                                                                                                                                                                                                                           |                        |
|-------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| 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<br>±1/16                                                                                      | 2 PLACE DIM<br>±.02           | 3 PLACE DIM<br>±.005                                                                                                                                                                                                                      | ANGLES<br>±1°          |
| Shop Foreman                                                                                                |                  | 1. DIMENSIONS ARE IN INCHES                                                                               |                               |                                                                                                                                                                                                                                           |                        |
| Engineer                                                                                                    |                  | 2. DIMENSION LIMITS HELD AFTER PLATING.                                                                   |                               |                                                                                                                                                                                                                                           |                        |
|                                                                                                             |                  | 3. REMOVE BURRS AND SHARP EDGES .015 MAX.                                                                 |                               |                                                                                                                                                                                                                                           |                        |
|                                                                                                             |                  | 4. MACHINED FILLET RADII .0150-.030.                                                                      |                               |                                                                                                                                                                                                                                           |                        |
| NEXT ASSY Description                                                                                       | NEXT ASSY Number | 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. |                               |                                                                                                                                                                                                                                           |                        |
| Application                                                                                                 |                  | DO NOT SCALE DRAWING                                                                                      |                               | WEIGHT                                                                                                                                                                                                                                    |                        |
| DRAWN J. ERICKSON X/XX/00<br>ENGINEER J. ERICKSON X/XX/00<br>CHECKED<br>PROJECT NO. XXX<br>PROJECT ZZZZZZZZ |                  |                                                                                                           |                               | Monterey Bay Aquarium Research Institute<br><b>MBARI</b><br><b>7700 Sandholdt RD.</b><br><b>Moss Landing, CA 95039</b><br><b>PH: (831) 775-1700</b>  |                        |
|                                                                                                             |                  |                                                                                                           |                               | PROJECT NAME                                                                                                                                                                                                                              |                        |
|                                                                                                             |                  |                                                                                                           |                               | MS_Ti-Case_Assem AS CAST                                                                                                                                                                                                                  |                        |
|                                                                                                             |                  | SIZE B                                                                                                    | DWG. NO.                      | 100XXXDWG                                                                                                                                                                                                                                 |                        |
|                                                                                                             |                  | SCALE 1:8                                                                                                 | CAD FILE: MECH ENG ON TORNADO | REV.                                                                                                                                                                                                                                      |                        |
|                                                                                                             |                  | SHEET 2 OF 5                                                                                              |                               |                                                                                                                                                                                                                                           |                        |



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| REVISIONS |                 |         |          |
|-----------|-----------------|---------|----------|
| REV.      | DESCRIPTION     | DATE    | APPROVED |
|           | INITIAL RELEASE | X/XX/00 | J.E.     |

NOTES: (CONT. FROM TITLE BLOCK)

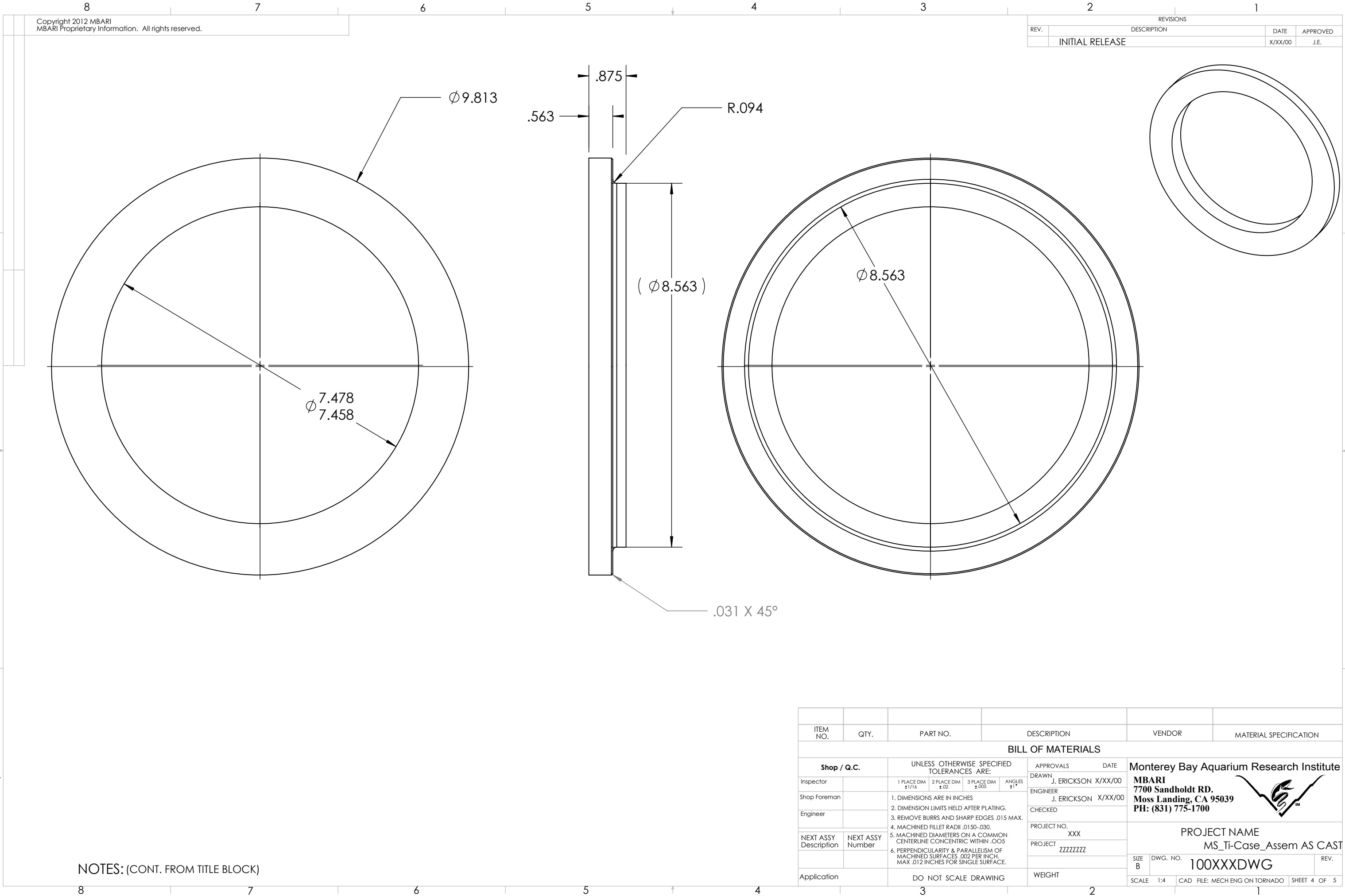
| ITEM NO.              |                  | QTY.                                                                                                                                                                                                                                                                                                                                            | PART NO.            | DESCRIPTION          |               | VENDOR                          | MATERIAL SPECIFICATION |                               |           |      |
|-----------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------|---------------|---------------------------------|------------------------|-------------------------------|-----------|------|
| BILL OF MATERIALS     |                  |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               |                                 |                        |                               |           |      |
| Shop / Q.C.           |                  | UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:                                                                                                                                                                                                                                                                                                      |                     |                      |               | APPROVALS      DATE             |                        |                               |           |      |
| Inspector             |                  | 1 PLACE DIM<br>±1/16                                                                                                                                                                                                                                                                                                                            | 2 PLACE DIM<br>±.02 | 3 PLACE DIM<br>±.005 | ANGLES<br>±1° | DRAWN<br>J. ERICKSON X/XX/00    |                        |                               |           |      |
| 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 X/XX/00 |                        |                               |           |      |
| Engineer              |                  |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               | CHECKED                         |                        |                               |           |      |
| NEXT ASSY Description | NEXT ASSY Number |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               | PROJECT NO.<br>XXX              |                        |                               |           |      |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               | PROJECT<br>ZZZZZZZZ             |                        |                               |           |      |
| Application           |                  | DO NOT SCALE DRAWING                                                                                                                                                                                                                                                                                                                            |                     |                      |               | WEIGHT                          |                        |                               |           |      |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               | SIZE B                          |                        | DWG. NO.                      | 100XXXDWG | REV. |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               | SCALE 1:4                       |                        | CAD FILE: MECH ENG ON TORNADO |           |      |

|                                                                                                         |  |  |
|---------------------------------------------------------------------------------------------------------|--|--|
| Monterey Bay Aquarium Research Institute                                                                |  |  |
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|                    |  |  |
| PROJECT NAME<br>MS_Ti-Case_Assem AS CAST                                                                |  |  |

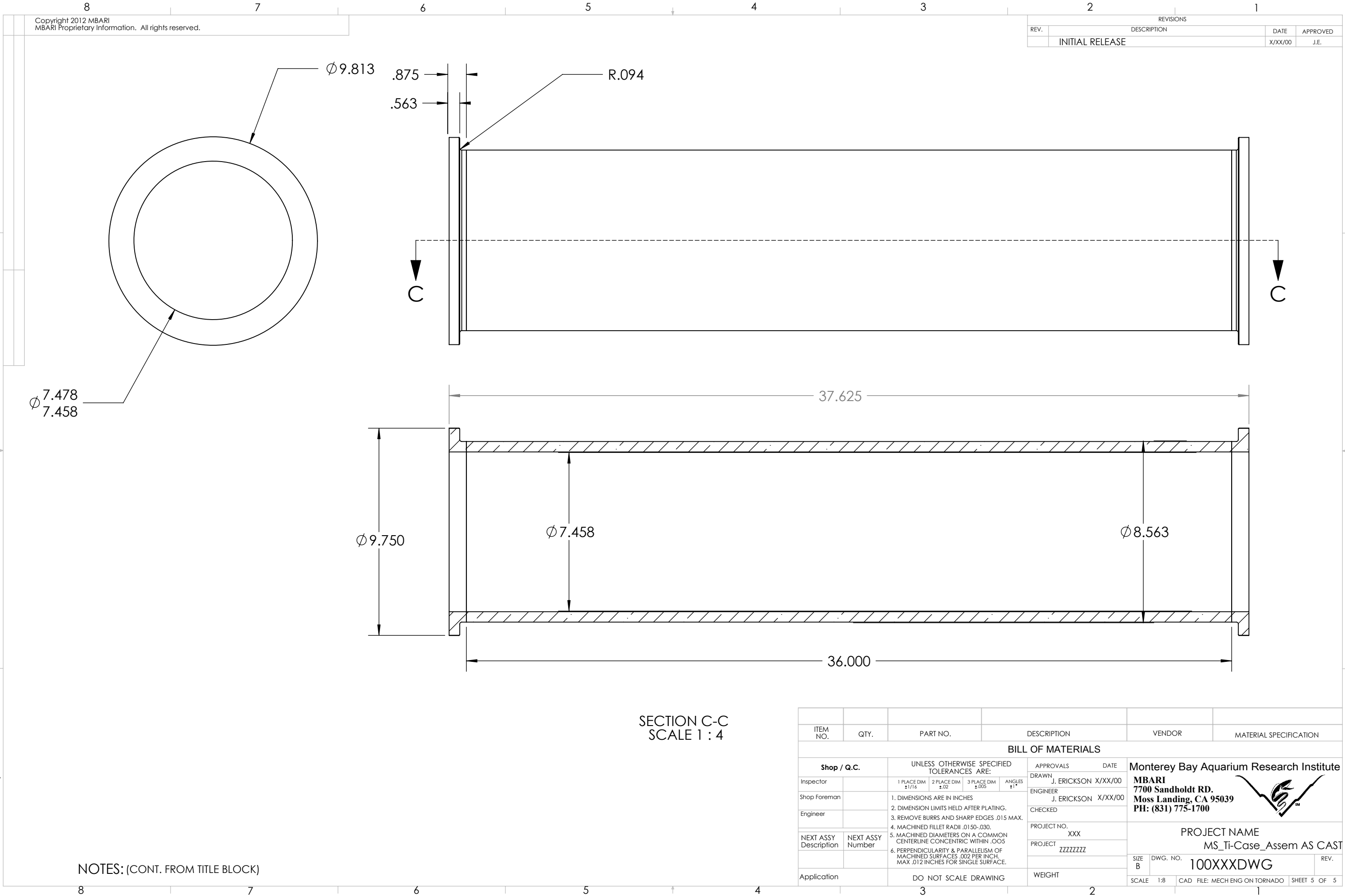
Monterey Bay Aquarium Research Institute  
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PROJECT NAME  
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|           | INITIAL RELEASE | X/XX/00 | J.E.     |

SECTION C-C  
SCALE 1 : 4

NOTES: (CONT. FROM TITLE BLOCK)

| 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<br>±1/16                                                                                                                                                             | 2 PLACE DIM<br>±.02 | 3 PLACE DIM<br>±.005 | ANGLES<br>±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.                      |                     |                      |                               |
| Engineer              |                  | 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. |                     |                      |                               |
| NEXT ASSY Description | NEXT ASSY Number | PROJECT NO. XXX                                                                                                                                                                  |                     |                      |                               |
|                       |                  | PROJECT ZZZZZZZZ                                                                                                                                                                 |                     |                      |                               |
| Application           |                  | DO NOT SCALE DRAWING                                                                                                                                                             |                     | WEIGHT               |                               |
|                       |                  |                                                                                                                                                                                  |                     | SIZE B               | DWG. NO. 100XXXDWG            |
|                       |                  |                                                                                                                                                                                  |                     | SCALE 1:8            | CAD FILE: MECH ENG ON TORNADO |
|                       |                  |                                                                                                                                                                                  |                     | SHEET 5              | OF 5                          |

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