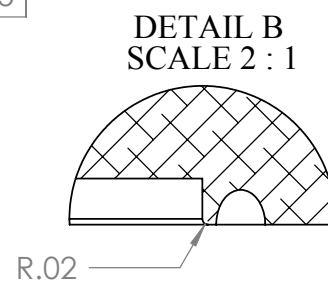
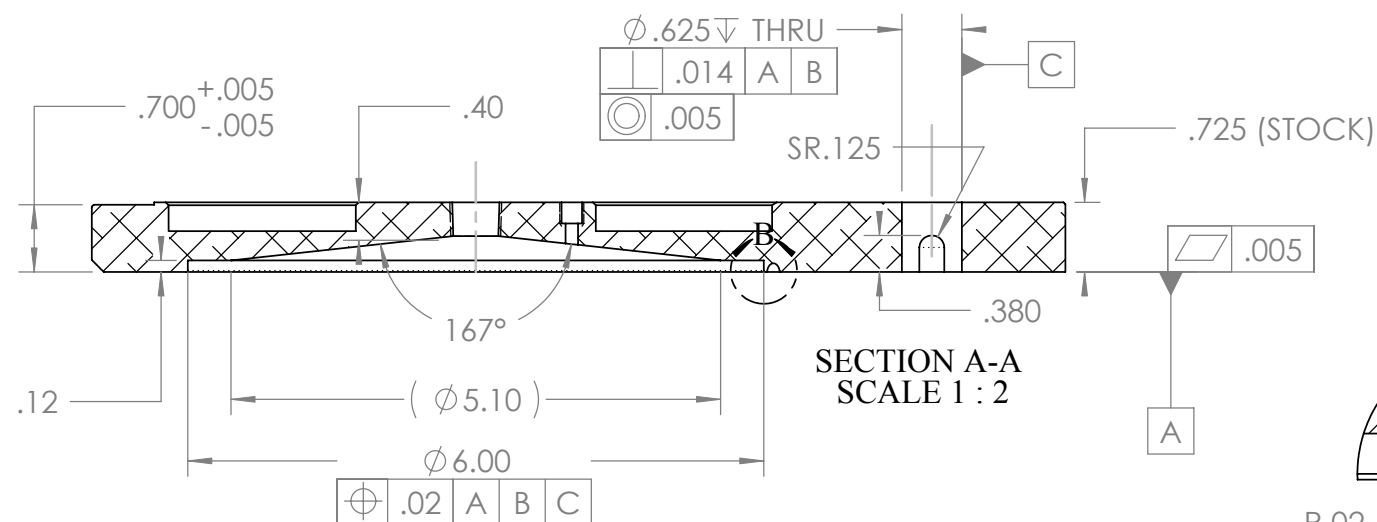
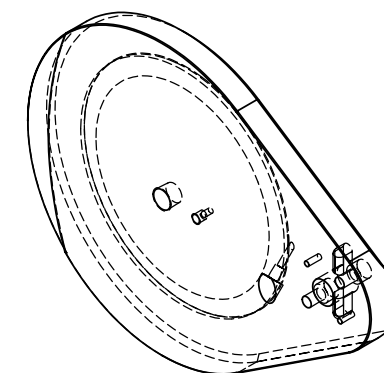
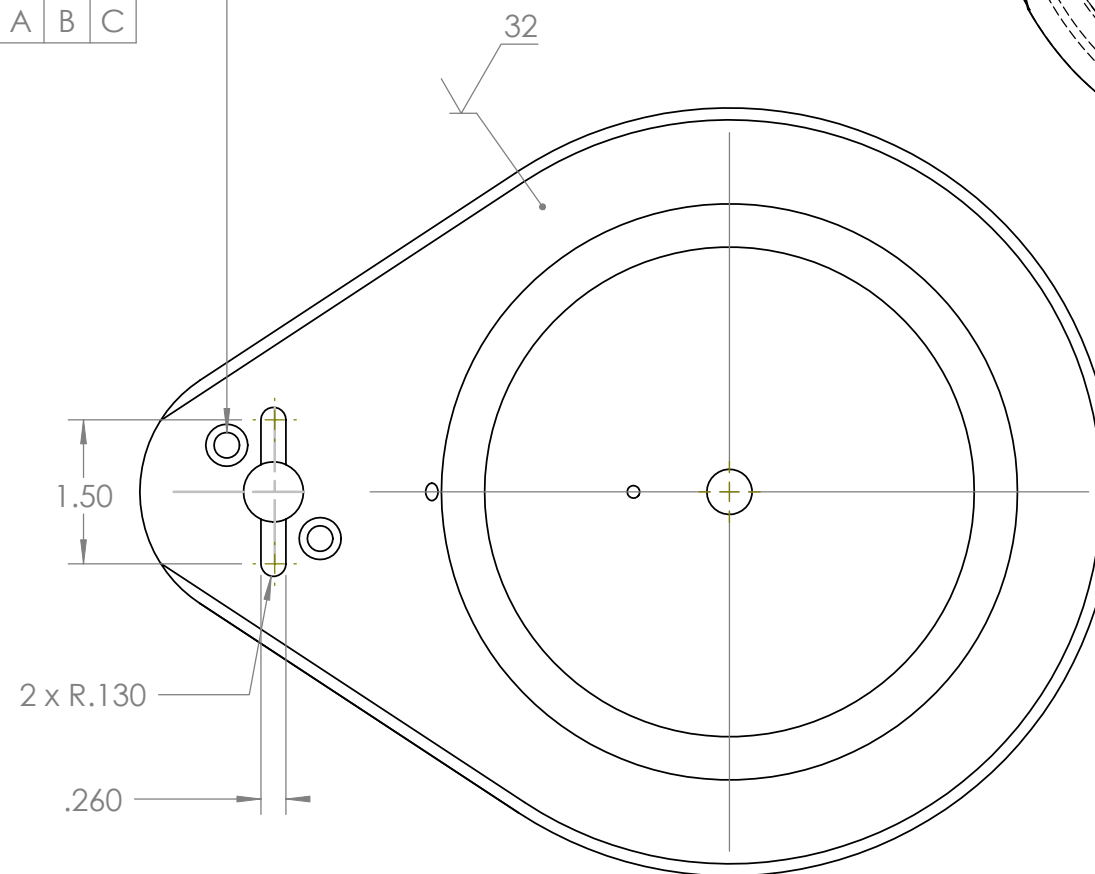
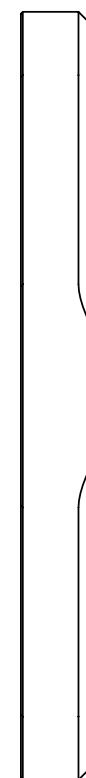
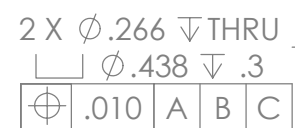
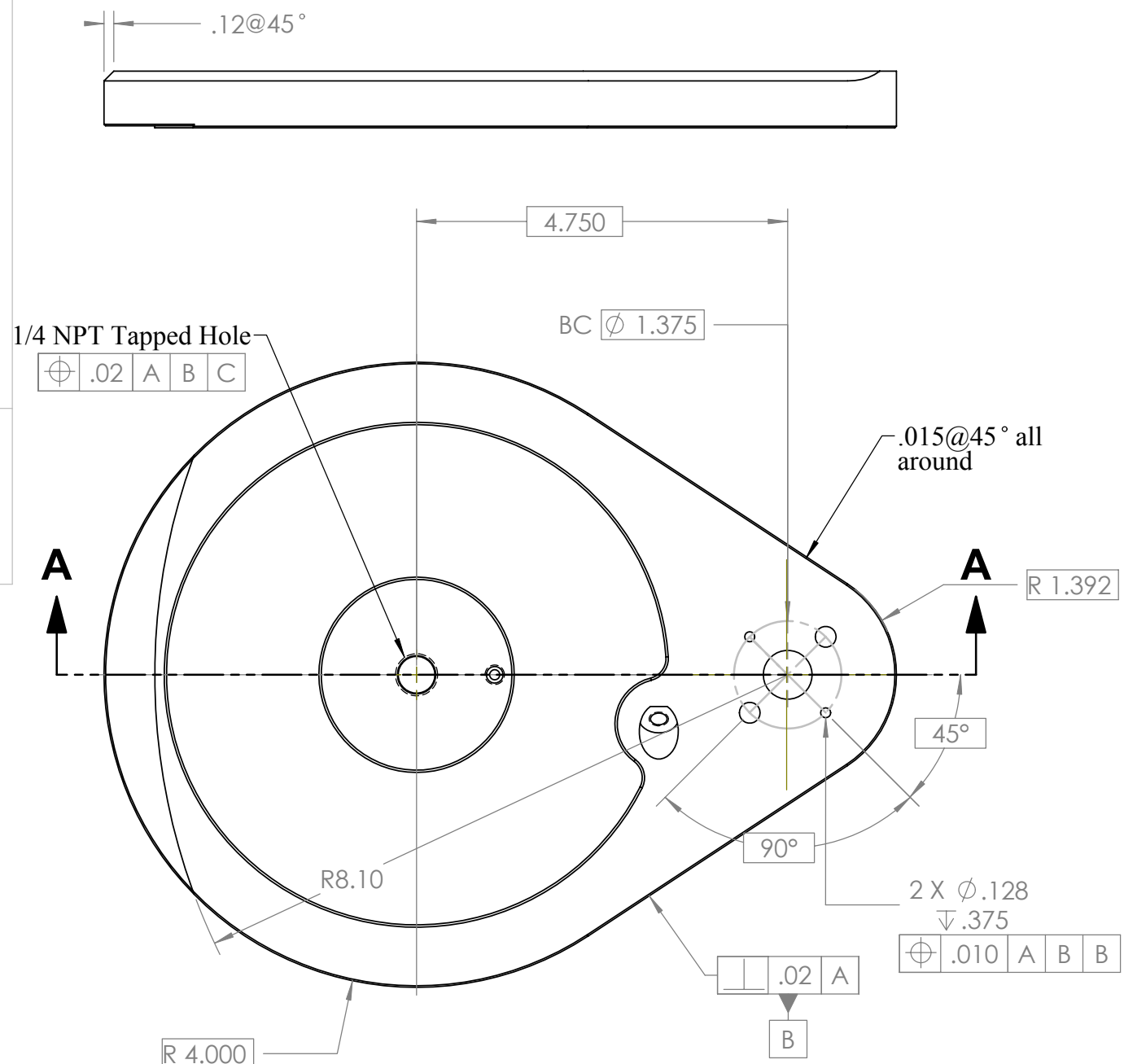


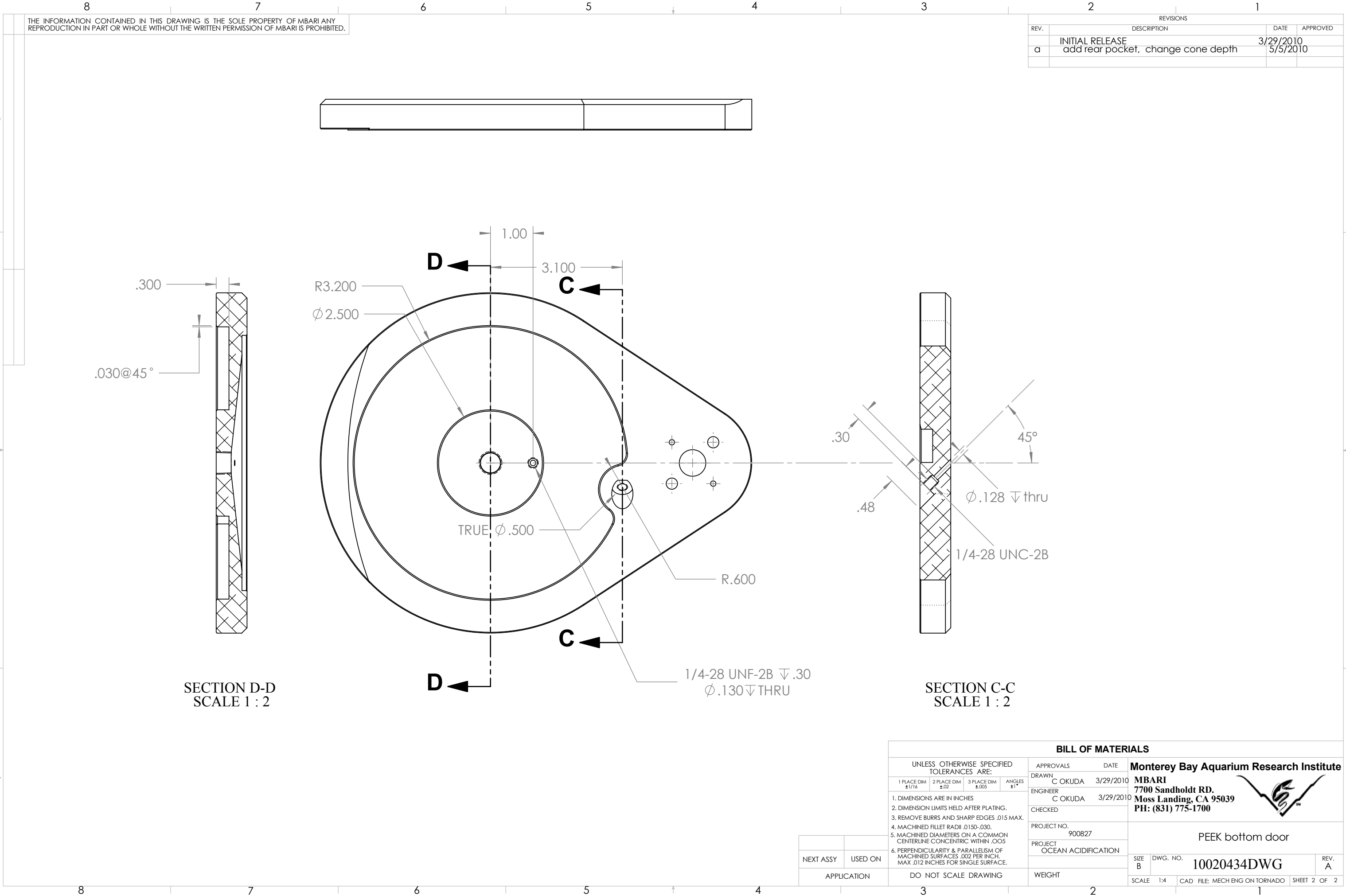
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| REVISIONS |                                    |          |          |
|-----------|------------------------------------|----------|----------|
| REV.      | DESCRIPTION                        | DATE     | APPROVED |
|           | INITIAL RELEASE                    | 1/27/10  |          |
| A         | add rear pocket, change cone depth | 5/5/2010 |          |



2 EACH 6061 T-6  
anodize per MIL8625F Type-III Class-1

| BILL OF MATERIALS     |                  |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               |                                |         |                                                                                                                                                                                                                                                                     |                               |              |
|-----------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------|---------------|--------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------|
| Shop / Q.C.           |                  | UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:                                                                                                                                                                                                                                                                                                      |                     |                      |               | APPROVALS DATE                 |         | <div>Monterey Bay Aquarium Research Institute</div> <div>MBARI</div> <div>7700 Sandholdt RD.</div> <div>Moss Landing, CA 95039</div> <div>PH: (831) 775-1700</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>C OKUDA               | 1/27/10 |                                                                                                                                                                                                                                                                     |                               |              |
| 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 RADI: .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>C OKUDA            | 1/27/10 |                                                                                                                                                                                                                                                                     |                               |              |
| Engineer              |                  |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               | CHECKED                        |         |                                                                                                                                                                                                                                                                     |                               |              |
| NEXT ASSY Description | NEXT ASSY Number |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               | PROJECT NO.<br>900827          |         | PEEK D-SAMPLER BOTTOM DOOR                                                                                                                                                                                                                                          |                               |              |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               | PROJECT<br>ocean acidification |         |                                                                                                                                                                                                                                                                     |                               |              |
| Application           |                  | DO NOT SCALE DRAWING                                                                                                                                                                                                                                                                                                                            |                     |                      |               | WEIGHT                         |         | SIZE B                                                                                                                                                                                                                                                              | DWG. NO.<br>10020434DWG       | REV.<br>A    |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               |                                |         | SCALE 1:4                                                                                                                                                                                                                                                           | CAD FILE: MECH ENG ON TORNADO | SHEET 1 OF 2 |



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| REVISIONS |                                    |           |          |
|-----------|------------------------------------|-----------|----------|
| REV.      | DESCRIPTION                        | DATE      | APPROVED |
|           | INITIAL RELEASE                    | 3/29/2010 |          |
| a         | add rear pocket, change cone depth | 5/5/2010  |          |
|           |                                    |           |          |

SECTION D-D  
SCALE 1 : 2

SECTION C-C  
SCALE 1 : 2

| BILL OF MATERIALS                                                                                                                                                                                                                                                                                                                               |                     |                      |               |             |                     |                                                                                                                                                                                                                                                     |                               |              |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------|---------------|-------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------|--|
| UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:                                                                                                                                                                                                                                                                                                      |                     |                      |               | APPROVALS   | DATE                | <b>Monterey Bay Aquarium Research Institute</b><br><b>MBARI</b><br><b>7700 Sandholdt RD.</b><br><b>Moss Landing, CA 95039</b><br><b>PH: (831) 775-1700</b><br> |                               |              |  |
| 1 PLACE DIM<br>±1/16                                                                                                                                                                                                                                                                                                                            | 2 PLACE DIM<br>±.02 | 3 PLACE DIM<br>±.005 | ANGLES<br>±1° | DRAWN       | C OKUDA 3/29/2010   |                                                                                                                                                                                                                                                     |                               |              |  |
| 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    | C OKUDA 3/29/2010   |                                                                                                                                                                                                                                                     |                               |              |  |
|                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               | CHECKED     |                     |                                                                                                                                                                                                                                                     |                               |              |  |
|                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               | PROJECT NO. | 900827              | PEEK bottom door                                                                                                                                                                                                                                    |                               |              |  |
|                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               | PROJECT     | OCEAN ACIDIFICATION |                                                                                                                                                                                                                                                     |                               |              |  |
|                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               | WEIGHT      |                     | SIZE<br>B                                                                                                                                                                                                                                           | DWG. NO.<br>10020434DWG       | REV.<br>A    |  |
|                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               |             |                     | SCALE 1:4                                                                                                                                                                                                                                           | CAD FILE: MECH ENG ON TORNADO | SHEET 2 OF 2 |  |