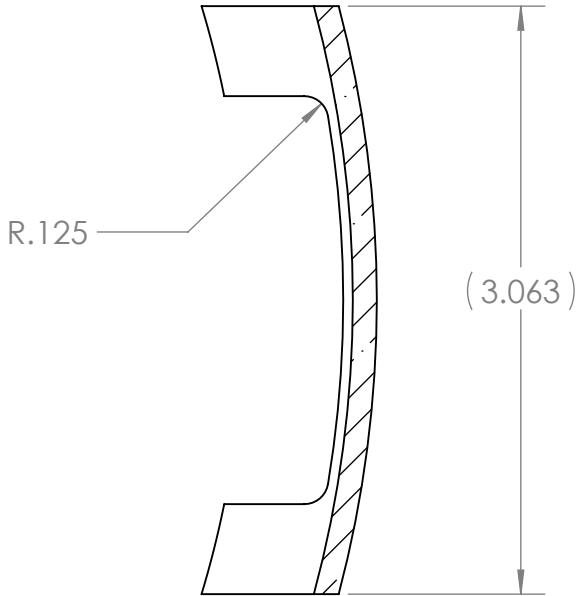
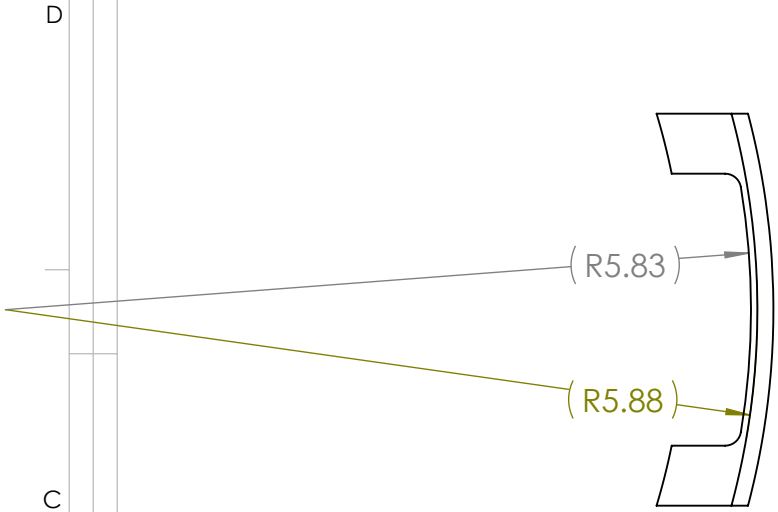
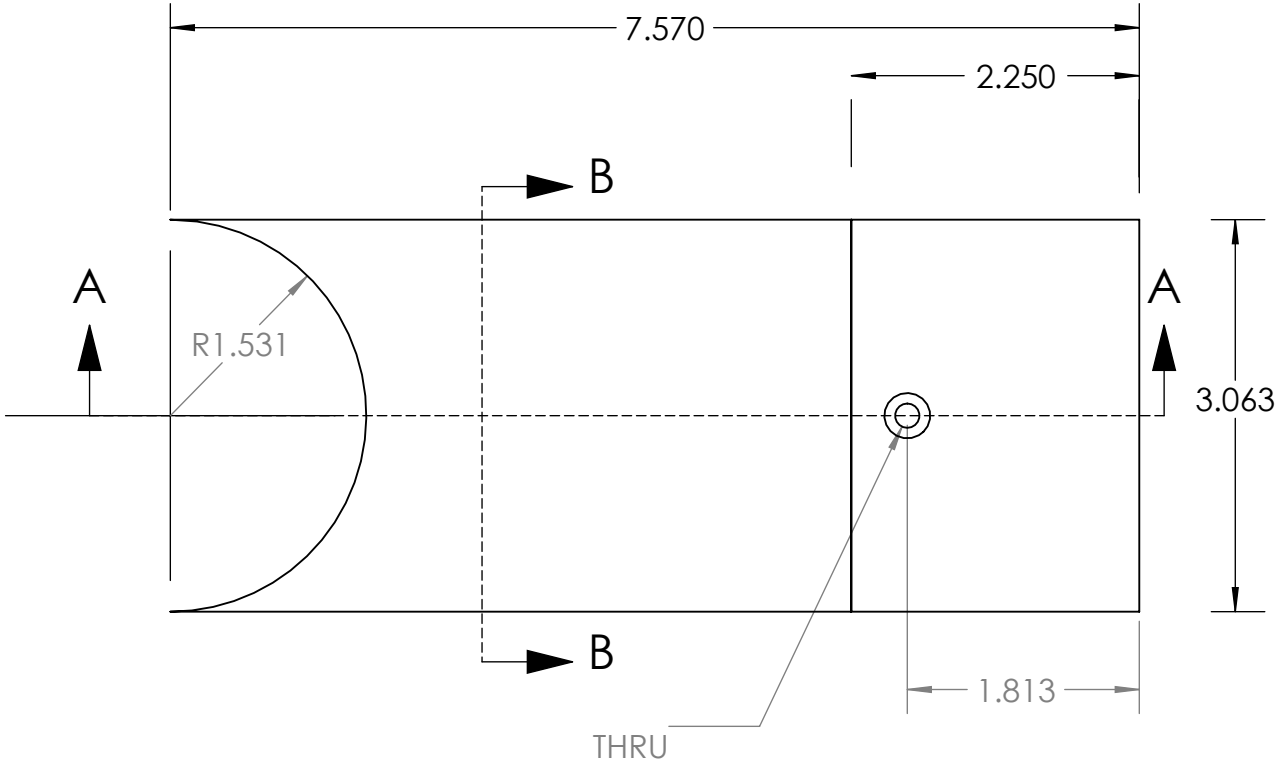


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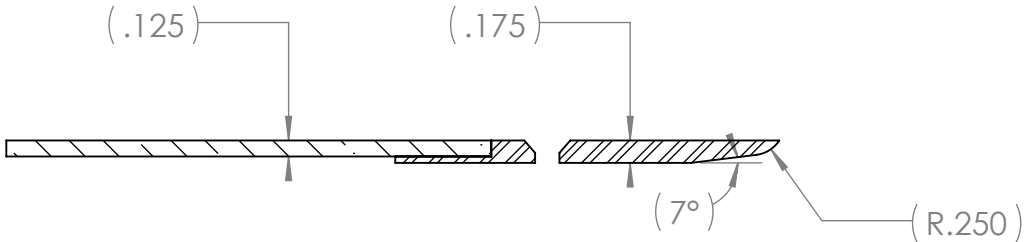
| REVISIONS       |         |      |
|-----------------|---------|------|
| INITIAL RELEASE | X/XX/01 | J.E. |



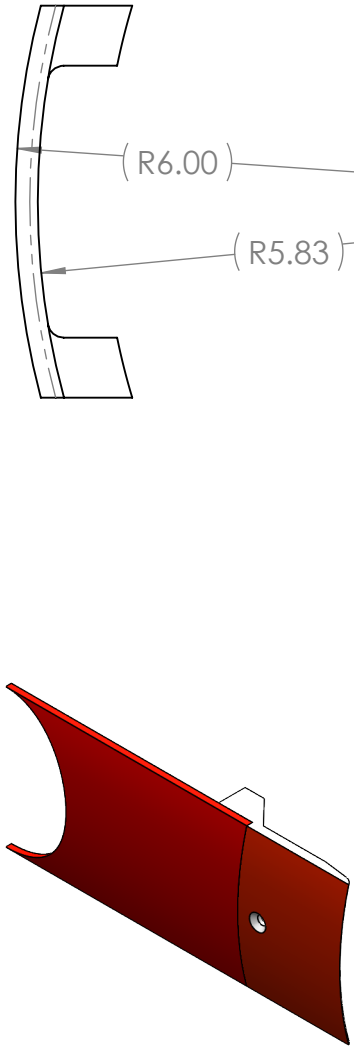
SECTION B-B  
SCALE 1 : 1



THRU



SECTION A-A  
SCALE 1 : 1.5



7. PROJECT LIBRARY:\900739.LRAUV\Project.Drawings\Project.ME.Dwgs\  
LRAUV\Sensors\Benthos DAT\DATFlowShell\_00XX-IT

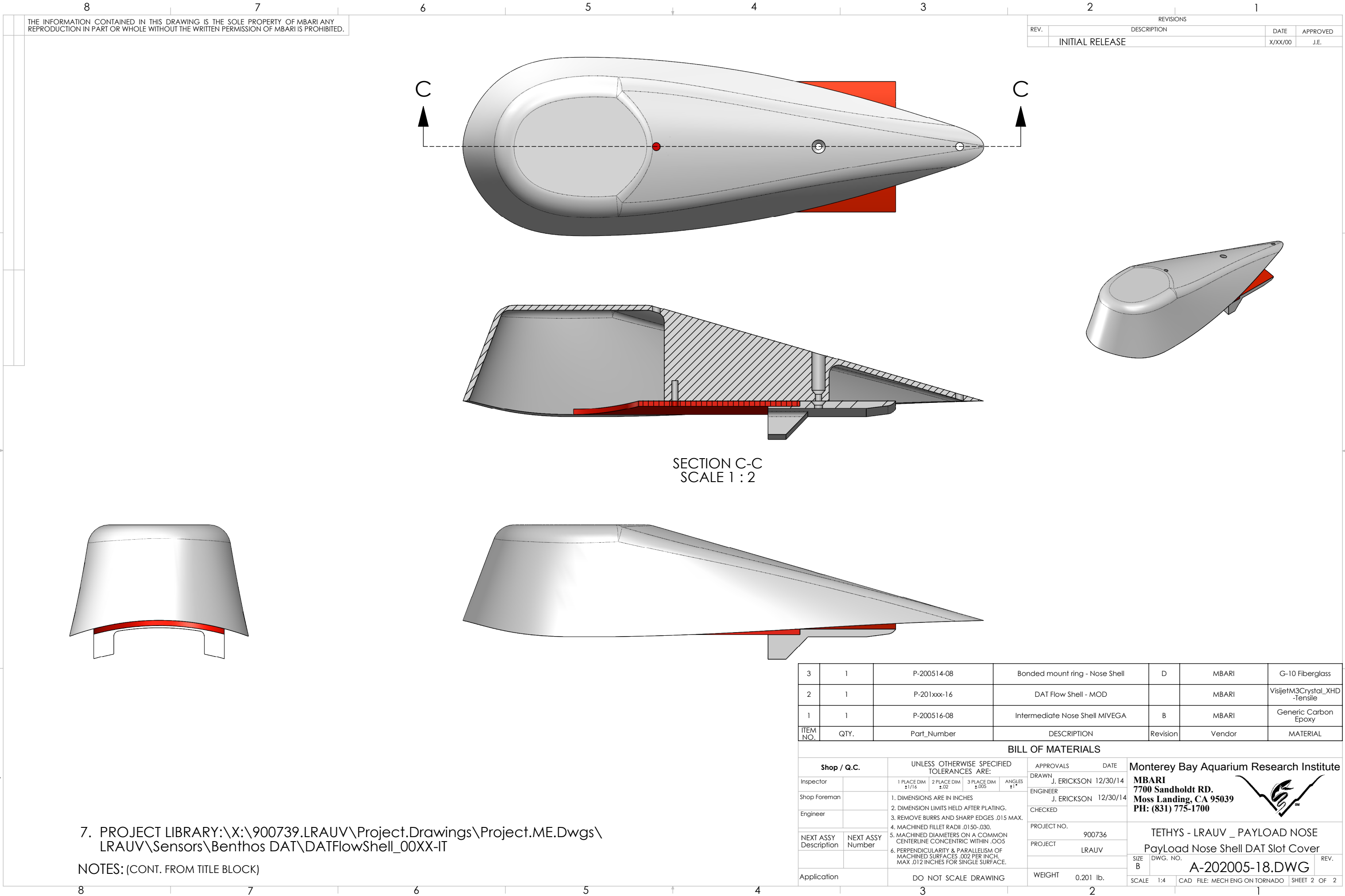
NOTES: (CONT. FROM TITLE BLOCK)

|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                                |                                            |            |                                                                                       |
|-----------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------------------|------------|---------------------------------------------------------------------------------------|
| 2                     | 1                | P-200514-08                                                                                                                                                                                                                                                                                                                                     | Bonded mount ring - Nose Shell | D                                          | MBARI      | G-10 Fiberglass                                                                       |
| 1                     | 1                | P-200516-08                                                                                                                                                                                                                                                                                                                                     | Intermediate Nose Shell MIVEGA | B                                          | MBARI      | Generic Carbon Epoxy                                                                  |
| ITEM NO.              | QTY.             | Part_Number                                                                                                                                                                                                                                                                                                                                     | DESCRIPTION                    | Revision                                   | Vendor     | MATERIAL                                                                              |
| 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° | DRAWN J. ERICKSON 12/30/14                                                            |
| 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 J. ERICKSON 12/30/14                                                         |
| Engineer              |                  |                                                                                                                                                                                                                                                                                                                                                 |                                |                                            |            | CHECKED                                                                               |
| NEXT ASSY Description | NEXT ASSY Number |                                                                                                                                                                                                                                                                                                                                                 |                                |                                            |            | PROJECT NO. 900736                                                                    |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                                |                                            |            | PROJECT LRAUV                                                                         |
| Application           |                  | DO NOT SCALE DRAWING                                                                                                                                                                                                                                                                                                                            |                                | WEIGHT 0.201                               |            |                                                                                       |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                                |                                            |            | Monterey Bay Aquarium Research Institute                                              |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                                |                                            |            | MBARI<br>7700 Sandholdt RD.<br>Moss Landing, CA 95039<br>PH: (831) 775-1700           |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                                |                                            |            |  |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                                |                                            |            | TETHYS - LRAUV                                                                        |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                                |                                            |            | PayLoad Nose Shell DAT Slot Cover                                                     |
|                       |                  | SIZE B                                                                                                                                                                                                                                                                                                                                          |                                | DWG. NO.                                   |            | REV.                                                                                  |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                                | A-202005-18.DWG                            |            |                                                                                       |
|                       |                  | SCALE 1:4                                                                                                                                                                                                                                                                                                                                       |                                | CAD FILE: MECH ENG ON TORNADO SHEET 1 OF 2 |            |                                                                                       |

Monterey Bay Aquarium Research Institute  
**MBARI**  
7700 Sandholdt RD.  
Moss Landing, CA 95039  
PH: (831) 775-1700

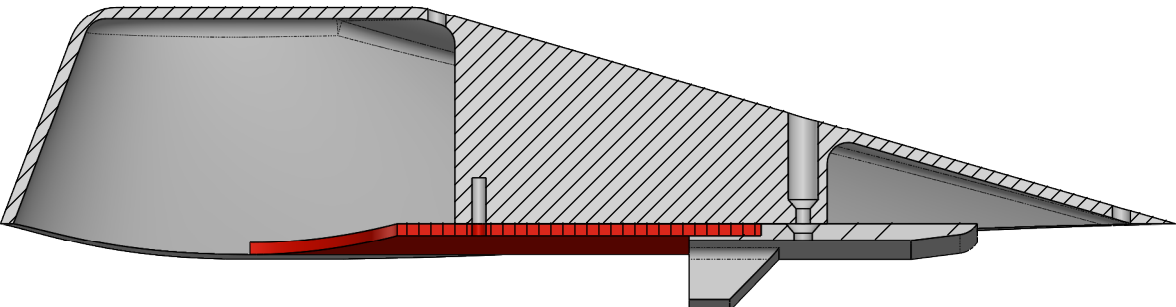
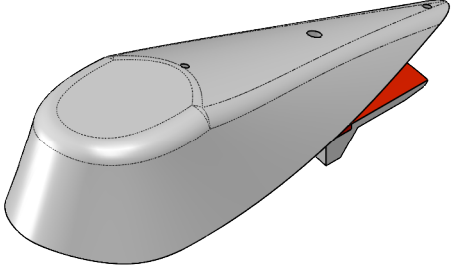
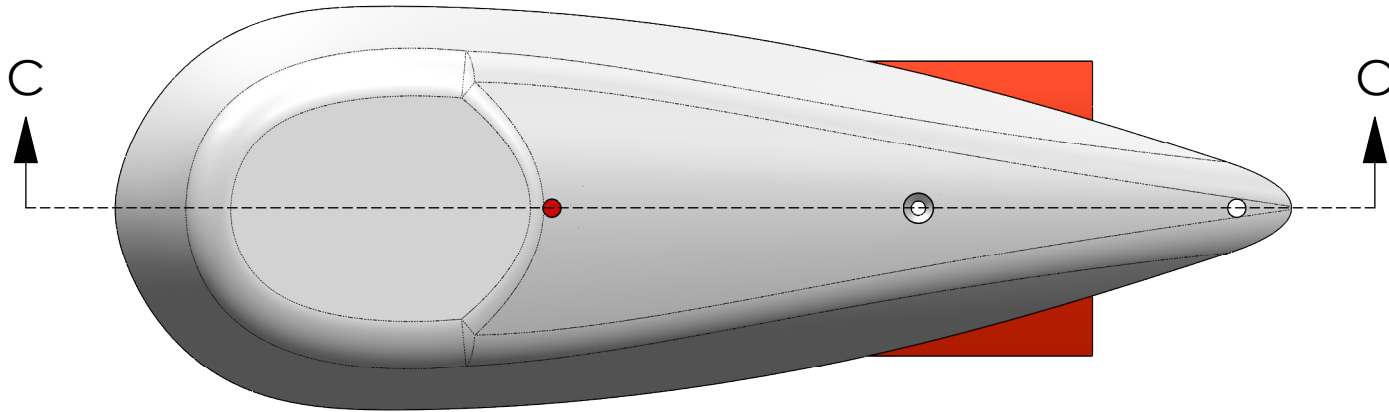


TETHYS - LRAUV  
PayLoad Nose Shell DAT Slot Cover  
A-202005-18.DWG

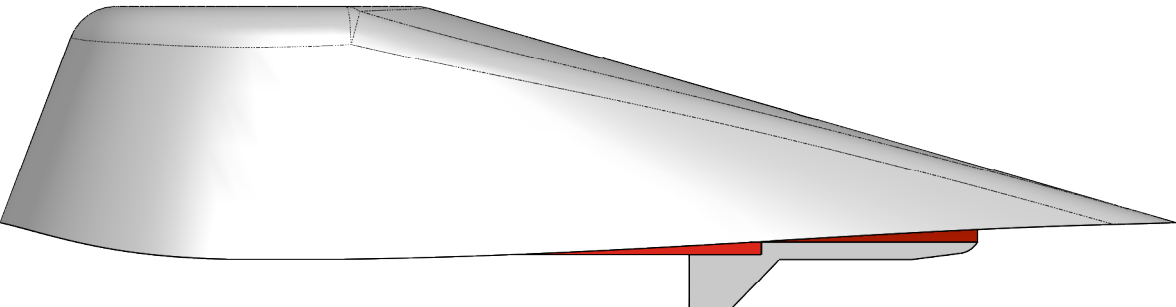
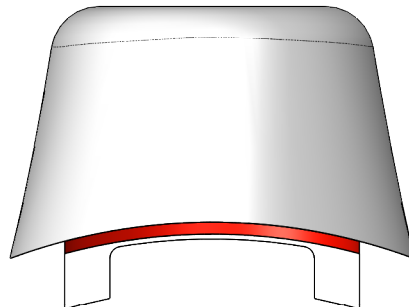


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| REVISIONS |                 |         |          |
|-----------|-----------------|---------|----------|
| REV.      | DESCRIPTION     | DATE    | APPROVED |
|           | INITIAL RELEASE | X/XX/00 | J.E.     |



SECTION C-C  
SCALE 1:2



| 3        | 1    | P-200514-08 | Bonded mount ring - Nose Shell | D        | MBARI  | G-10 Fiberglass              |
|----------|------|-------------|--------------------------------|----------|--------|------------------------------|
| 2        | 1    | P-201xxx-16 | DAT Flow Shell - MOD           |          | MBARI  | VisijetM3Crystal_XHD-Tensile |
| 1        | 1    | P-200516-08 | Intermediate Nose Shell MIVEGA | B        | MBARI  | Generic Carbon Epoxy         |
| ITEM NO. | QTY. | Part_Number | DESCRIPTION                    | Revision | 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> <div>TETHYS - LRAUV _ PAYLOAD NOSE</div> <div>PayLoad Nose Shell DAT Slot Cover</div> |     |                               |              |
|-----------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------|---------------|-------------|-------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------|--------------|
| Inspector             |                  | 1 PLACE DIM<br>±1/16                                                                                                                                                                                                                                                                                                                            | 2 PLACE DIM<br>±.02 | 3 PLACE DIM<br>±.005 | ANGLES<br>±1° | DRAWN       | J. ERICKSON | 12/30/14 |                                                                                                                                                                                                                                                                                                                                                                   |     |                               |              |
| 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    | J. ERICKSON | 12/30/14 |                                                                                                                                                                                                                                                                                                                                                                   |     |                               |              |
| Engineer              |                  |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               | CHECKED     |             |          |                                                                                                                                                                                                                                                                                                                                                                   |     |                               |              |
| NEXT ASSY Description | NEXT ASSY Number |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               | PROJECT NO. | 900736      |          | SIZE<br>B                                                                                                                                                                                                                                                                                                                                                         |     |                               |              |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               | PROJECT     | LRAUV       |          |                                                                                                                                                                                                                                                                                                                                                                   |     |                               |              |
| Application           |                  | DO NOT SCALE DRAWING                                                                                                                                                                                                                                                                                                                            |                     |                      |               | WEIGHT      | 0.201 lb.   |          | SCALE                                                                                                                                                                                                                                                                                                                                                             | 1:4 | CAD FILE: MECH ENG ON TORNADO | SHEET 2 OF 2 |

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