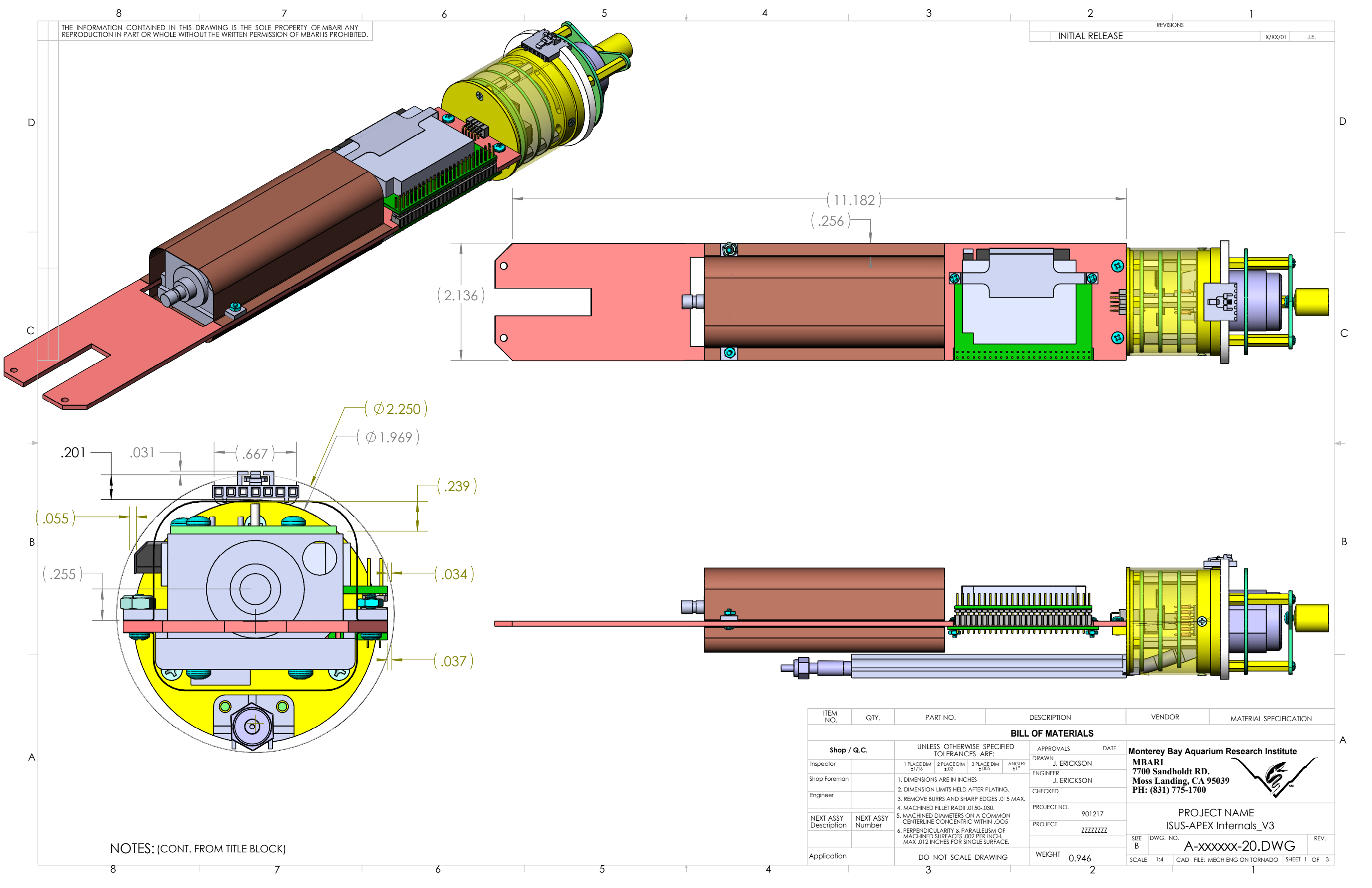




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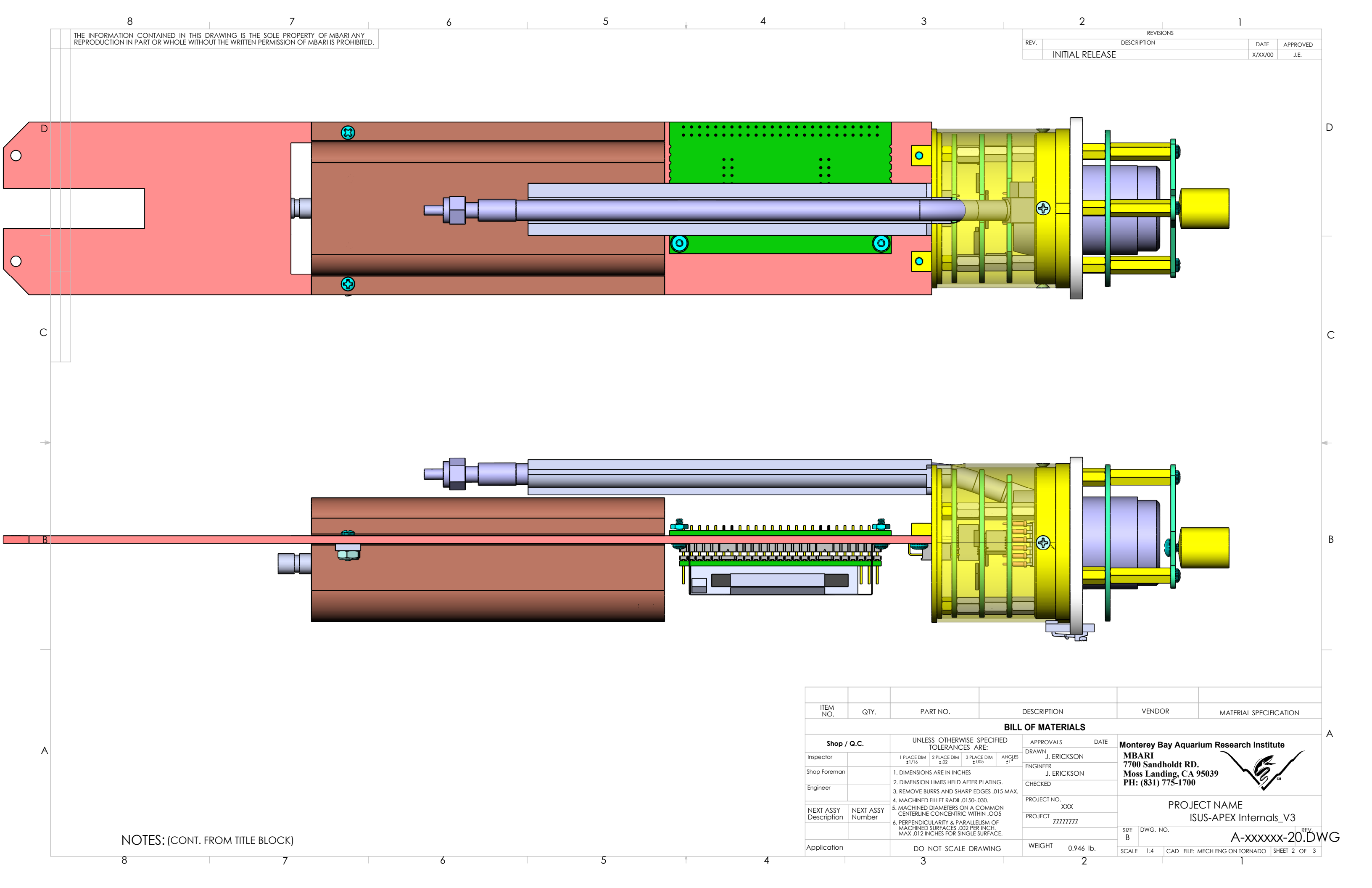
| REVISIONS       |         |      |
|-----------------|---------|------|
| INITIAL RELEASE | X/XX/01 | J.E. |

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 ±1/16                                                                                         | 2 PLACE DIM ±.02 | 3 PLACE DIM ±.005                                    | ANGLES ±1°             |
| Shop Foreman          |                  | 1. DIMENSIONS ARE IN INCHES                                                                               |                  | DRAWN J. ERICKSON                                    |                        |
| Engineer              |                  | 2. DIMENSION LIMITS HELD AFTER PLATING.                                                                   |                  | ENGINEER J. ERICKSON                                 |                        |
|                       |                  | 3. REMOVE BURRS AND SHARP EDGES .015 MAX.                                                                 |                  | CHECKED                                              |                        |
|                       |                  | 4. MACHINED FILLET RADII .0150-.030.                                                                      |                  | PROJECT NO. 901217                                   |                        |
| NEXT ASSY Description | NEXT ASSY Number | 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005                                       |                  | PROJECT ZZZZZZZZ                                     |                        |
|                       |                  | 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE. |                  | WEIGHT 0.946                                         |                        |
| Application           |                  | DO NOT SCALE DRAWING                                                                                      |                  | SIZE B DWG. NO. A-xxxxxx-20.DWG                      |                        |
|                       |                  |                                                                                                           |                  | SCALE 1:4 CAD FILE: MECH ENG ON TORNADO SHEET 1 OF 3 |                        |

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MBARI  
7700 Sandholdt RD.  
Moss Landing, CA 95039  
PH: (831) 775-1700

PROJECT NAME  
ISUS-APEX Internals\_V3



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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°          |
| 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              |                  |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |                        |
| NEXT ASSY Description | NEXT ASSY Number |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |                        |
| Application           |                  | DO NOT SCALE DRAWING                                                                                                                                                                                                                                                                                                                            |                     | WEIGHT               | 0.946 lb.              |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     | APPROVALS            | DATE                   |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     | DRAWN                | J. ERICKSON            |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     | ENGINEER             | J. ERICKSON            |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     | CHECKED              |                        |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     | PROJECT NO.          | XXX                    |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     | PROJECT              | ZZZZZZZZ               |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     | SIZE                 | B                      |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     | DWG. NO.             |                        |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     | SCALE                | 1:4                    |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     | CAD FILE:            | MECH ENG ON TORNADO    |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     | SHEET                | 2 OF 3                 |

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