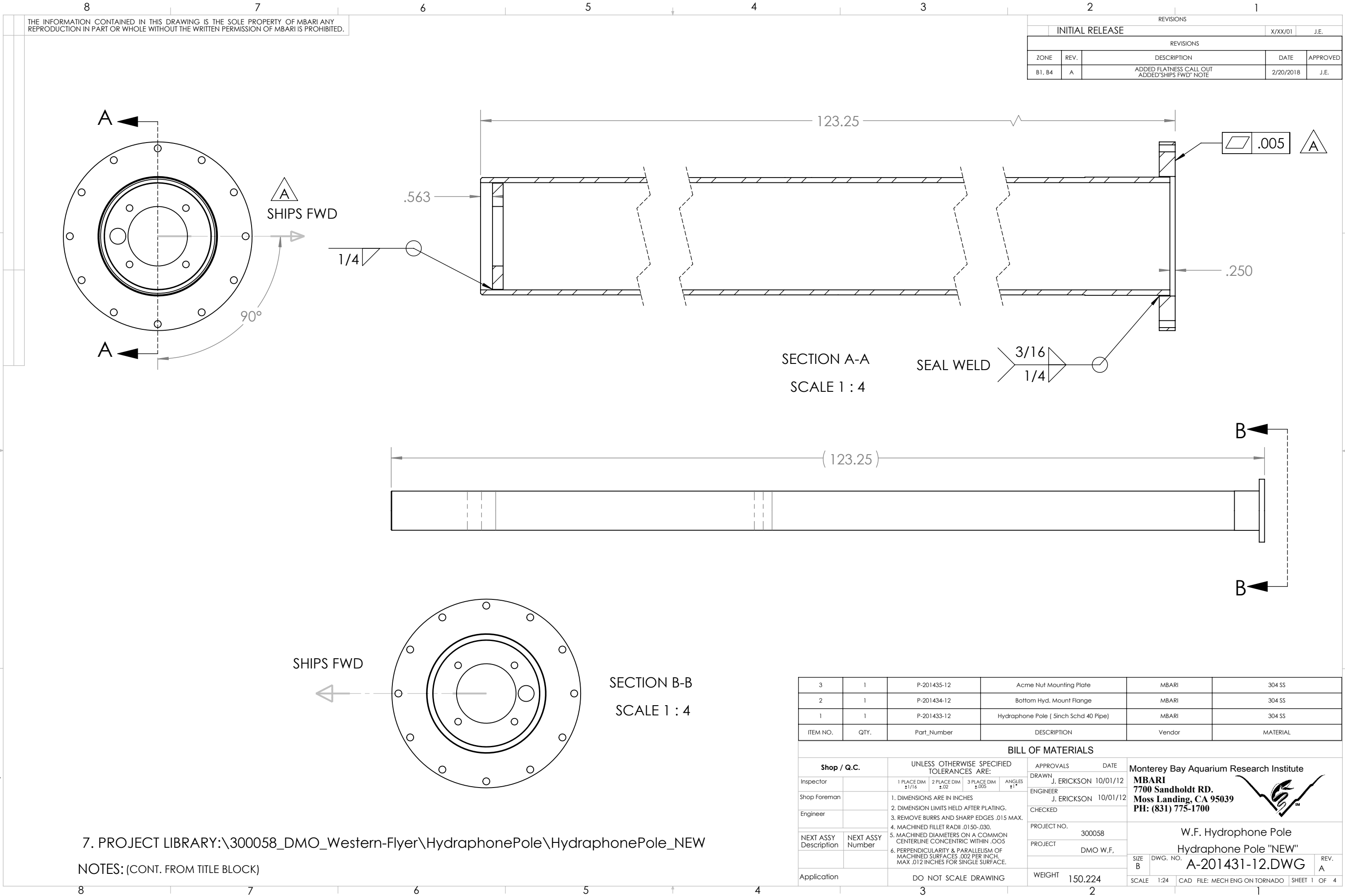
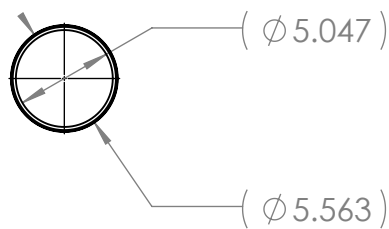
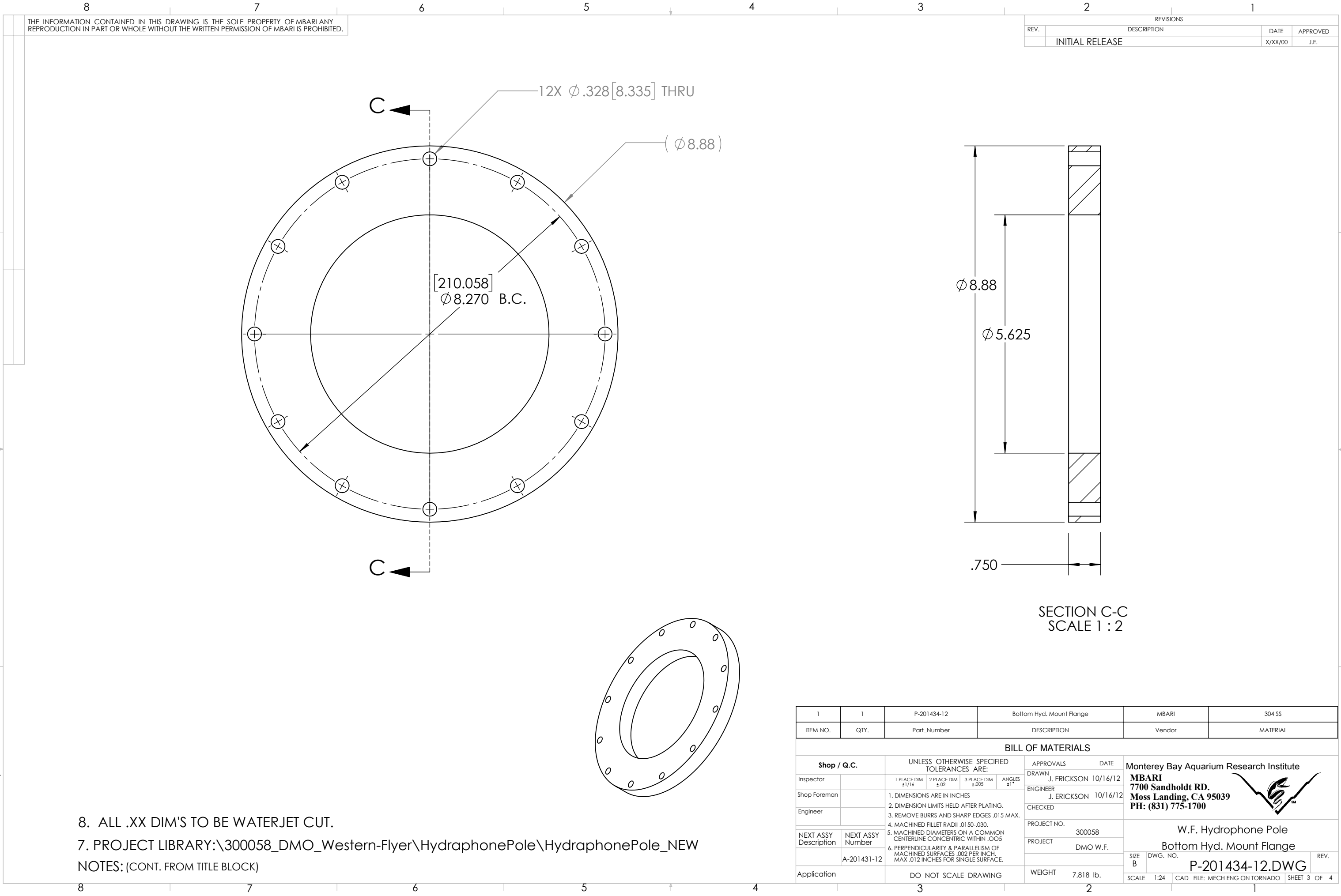


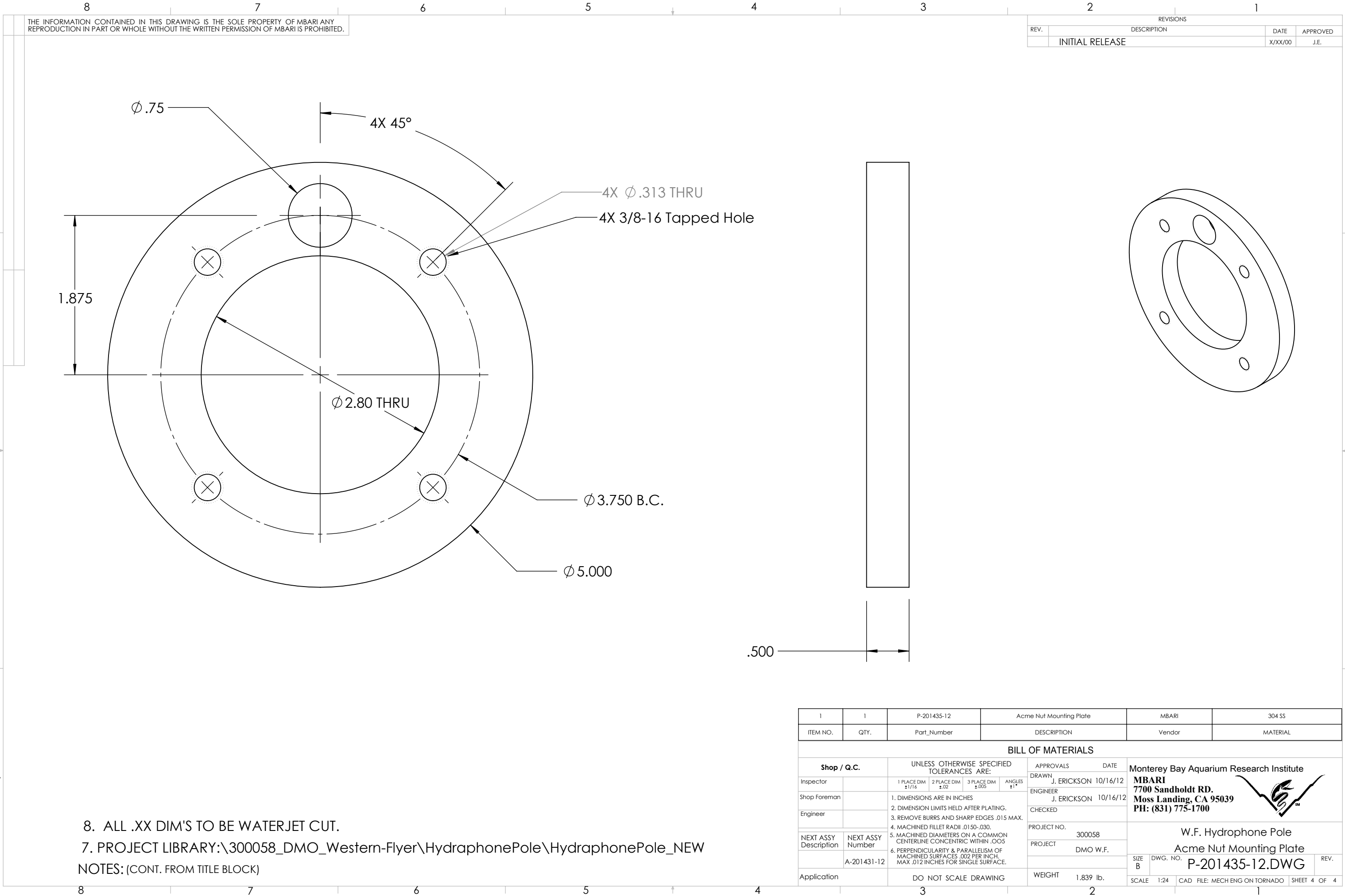




NOTES: (CONT. FROM TITLE BLOCK)

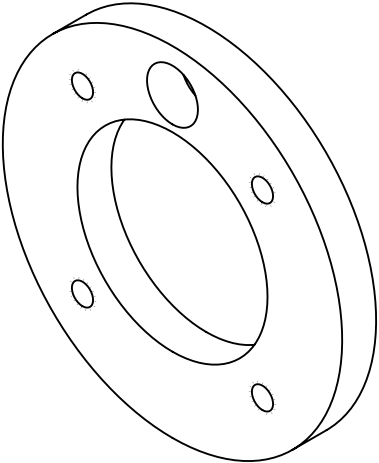
|                       |                  |                                                                                                            |                                       |                   |                    |                                                                                                                                                                                                                                                                                                 |                               |
|-----------------------|------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
|                       |                  | P-201433-12                                                                                                | Hydraphone Pole ( 5inch Schd 40 Pipe) |                   | MBARI              | 304 SS                                                                                                                                                                                                                                                                                          |                               |
| 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 ±1/16                                                                                          | 2 PLACE DIM ±.02                      | 3 PLACE DIM ±.005 | ANGLES ±1°         | <div>Monterey Bay Aquarium Research Institute</div> <div><b>MBARI</b></div> <div><b>7700 Sandholdt RD.</b></div> <div><b>Moss Landing, CA 95039</b></div> <div><b>PH: (831) 775-1700</b></div> <div></div> |                               |
| Shop Foreman          |                  | 1. DIMENSIONS ARE IN INCHES                                                                                |                                       |                   |                    |                                                                                                                                                                                                                                                                                                 | DRAWN J. ERICKSON 10/16/12    |
| Engineer              |                  | 2. DIMENSION LIMITS HELD AFTER PLATING.                                                                    |                                       |                   |                    |                                                                                                                                                                                                                                                                                                 | ENGINEER J. ERICKSON 10/16/12 |
|                       |                  | 3. REMOVE BURRS AND SHARP EDGES .015 MAX.                                                                  |                                       |                   |                    |                                                                                                                                                                                                                                                                                                 | CHECKED                       |
| NEXT ASSY Description | NEXT ASSY Number | 4. MACHINED FILLET RADII .0150-.030.                                                                       |                                       |                   |                    | PROJECT NO. 300058                                                                                                                                                                                                                                                                              |                               |
|                       |                  | 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005                                        |                                       |                   |                    | PROJECT DMO W.F.                                                                                                                                                                                                                                                                                |                               |
|                       | A-201431-12      | 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX. .012 INCHES FOR SINGLE SURFACE. |                                       |                   |                    | <div>SIZE B</div> <div>DWG. NO. P-201433-12.DWG</div> <div>REV.</div>                                                                                                                                                                                                                           |                               |
| Application           |                  | DO NOT SCALE DRAWING                                                                                       |                                       |                   | WEIGHT 140.567 lb. | <div>SCALE 1:24</div> <div>CAD FILE: MECH ENG ON TORNADO</div> <div>SHEET 2 OF 4</div>                                                                                                                                                                                                          |                               |





THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.

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



|                       |                  |                                                                                                           |                         |                               |            |
|-----------------------|------------------|-----------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------|------------|
| 1                     | 1                | P-201435-12                                                                                               | Acme Nut Mounting Plate | MBARI                         | 304 SS     |
| 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 ±1/16                                                                                         | 2 PLACE DIM ±.02        | 3 PLACE DIM ±.005             | ANGLES ±1° |
| Shop Foreman          |                  | 1. DIMENSIONS ARE IN INCHES                                                                               |                         | DRAWN J. ERICKSON 10/16/12    |            |
| Engineer              |                  | 2. DIMENSION LIMITS HELD AFTER PLATING.                                                                   |                         | ENGINEER J. ERICKSON 10/16/12 |            |
|                       |                  | 3. REMOVE BURRS AND SHARP EDGES .015 MAX.                                                                 |                         | CHECKED                       |            |
|                       |                  | 4. MACHINED FILLET RADII .0150-.030.                                                                      |                         | PROJECT NO. 300058            |            |
| NEXT ASSY Description | NEXT ASSY Number | 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005                                       |                         | PROJECT DMO W.F.              |            |
|                       | A-201431-12      | 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE. |                         | WEIGHT 1.839 lb.              |            |
| Application           |                  | DO NOT SCALE DRAWING                                                                                      |                         | SCALE 1:24                    |            |
|                       |                  |                                                                                                           |                         | CAD FILE: MECH ENG ON TORNADO |            |
|                       |                  |                                                                                                           |                         | SHEET 4 OF 4                  |            |

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



W.F. Hydrophone Pole  
Acme Nut Mounting Plate  
**P-201435-12.DWG**

SIZE B DWG. NO. REV.