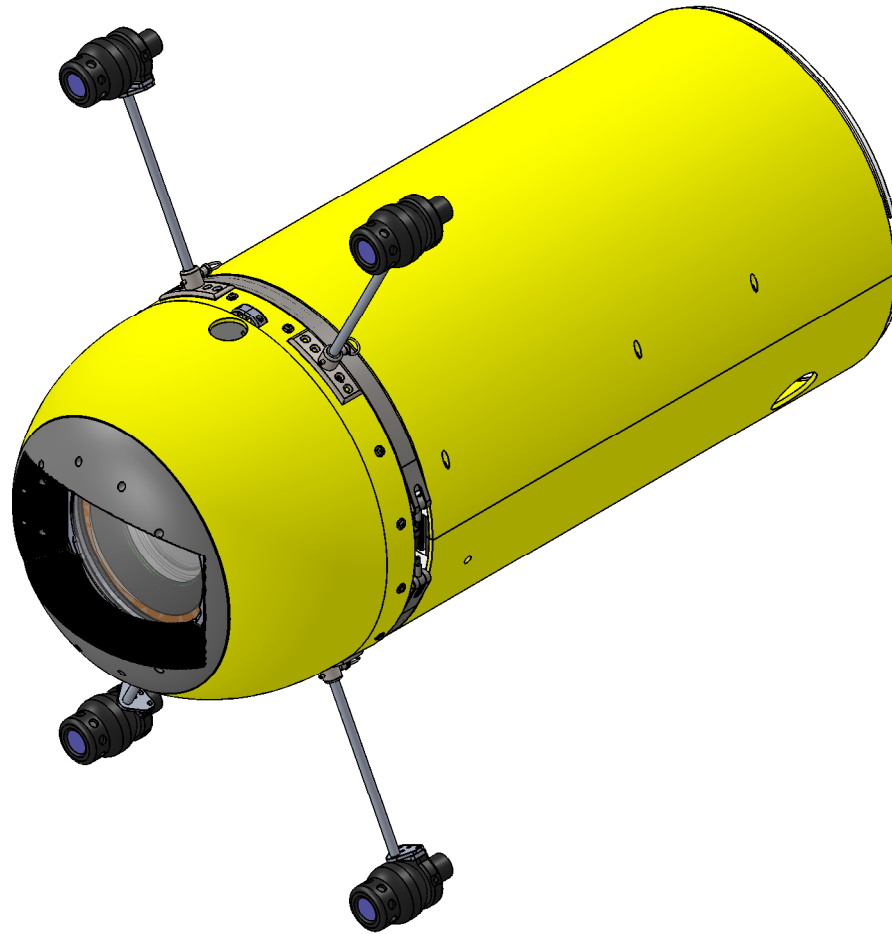
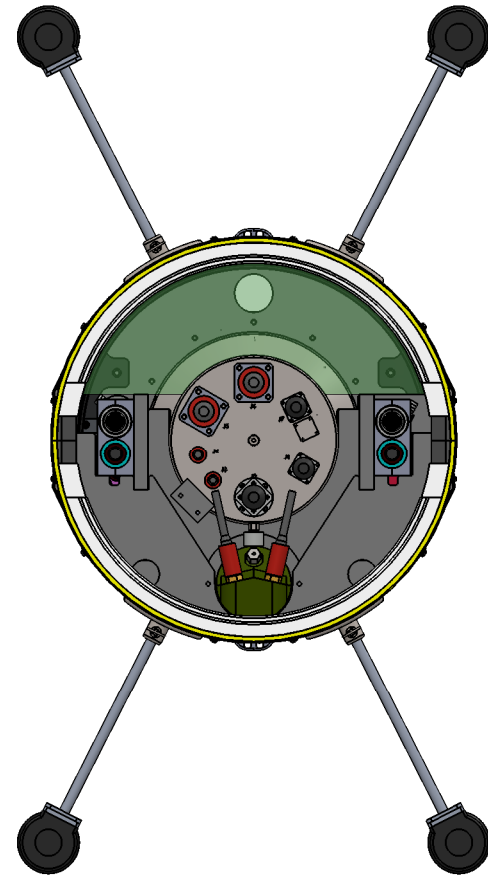
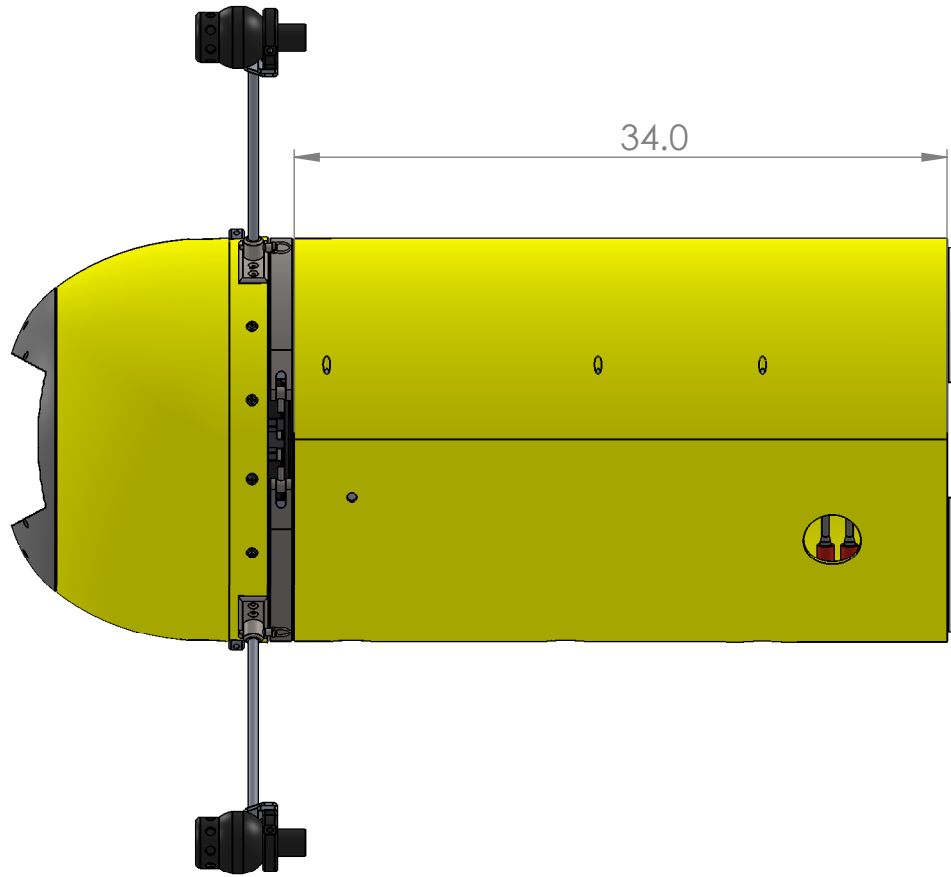
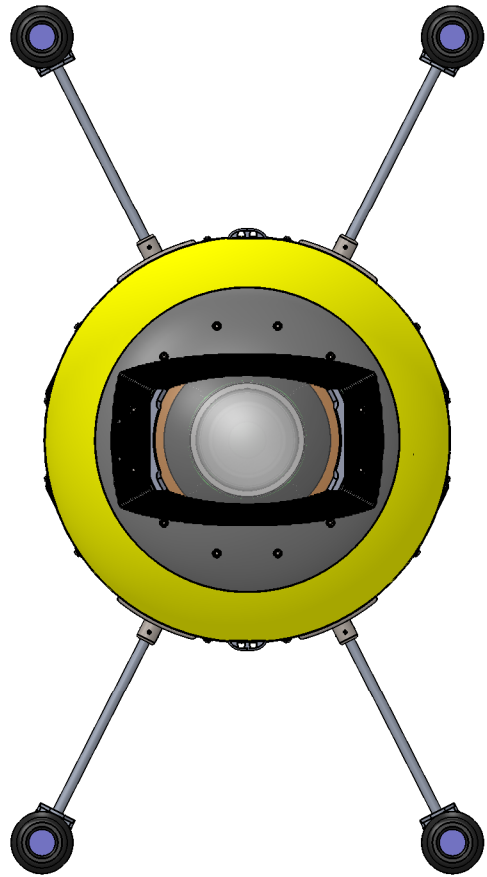


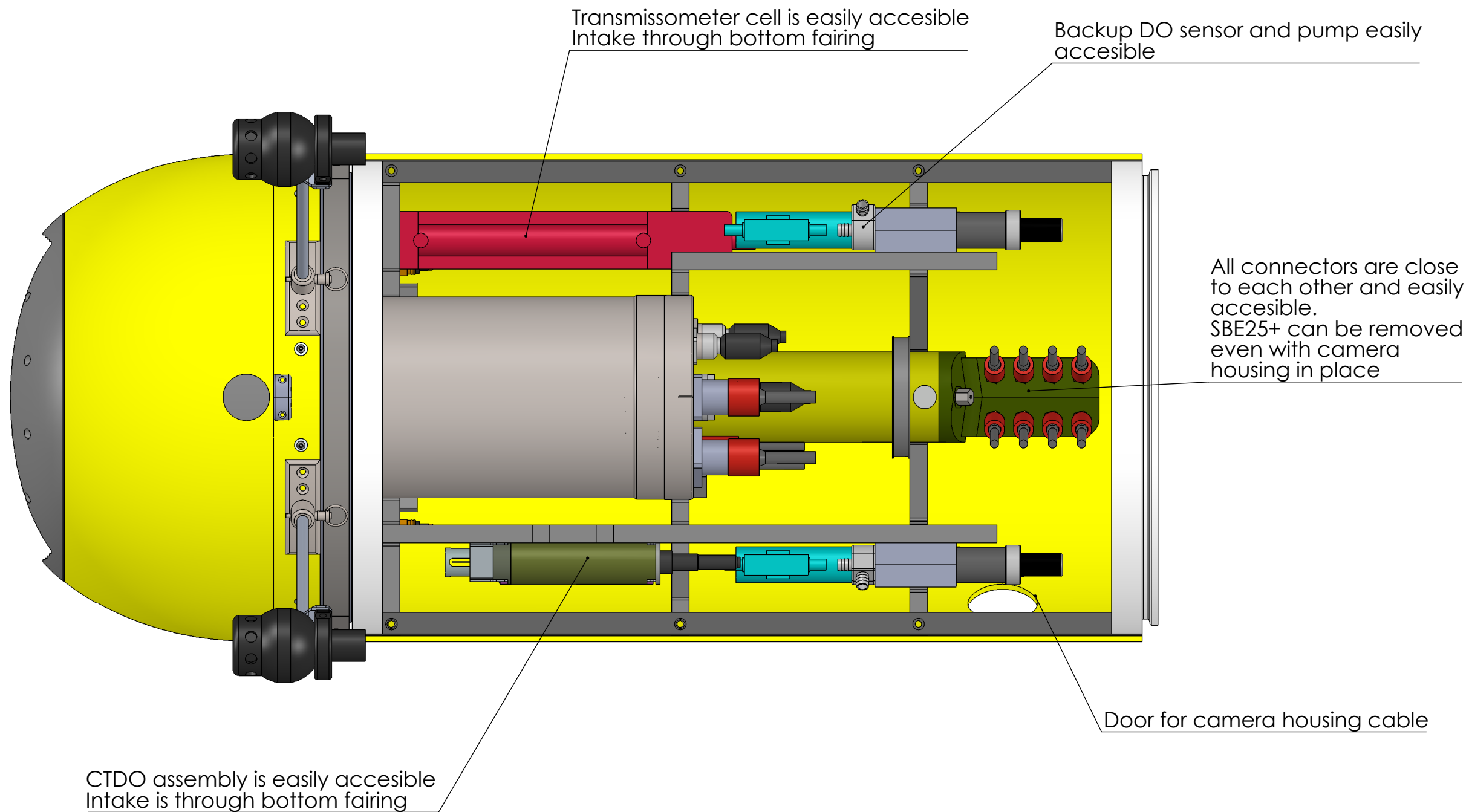
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.



Weight in air: 284lb  
Weight in water: -15.1b

| UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:                                                                |                     |                      |               | APPROVALS                     | DATE | Monterey Bay Aquarium Research Institute                                           |          |      |
|-----------------------------------------------------------------------------------------------------------|---------------------|----------------------|---------------|-------------------------------|------|------------------------------------------------------------------------------------|----------|------|
| 1 PLACE DIM<br>±1/16                                                                                      | 2 PLACE DIM<br>±.02 | 3 PLACE DIM<br>±.005 | ANGLES<br>±1° | DRAWN<br>Francois Cazenave    |      |                                                                                    |          |      |
| 1. DIMENSIONS ARE IN INCHES                                                                               |                     |                      |               | ENGINEER<br>Francois Cazenave |      | <b>MBARI</b><br>7700 Sandholdt RD.<br>Moss Landing, CA 95039<br>PH: (831) 775-1700 |          |      |
| 2. DIMENSION LIMITS HELD AFTER PLATING.                                                                   |                     |                      |               | CHECKED                       |      |                                                                                    |          |      |
| 3. REMOVE BURRS AND SHARP EDGES .015 MAX.                                                                 |                     |                      |               | PROJECT NO.                   |      | I2Map_Section                                                                      |          |      |
| 4. MACHINED FILLET RADII .0150-.030.                                                                      |                     |                      |               | PROJECT                       |      |                                                                                    |          |      |
| 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005                                       |                     |                      |               |                               |      | SIZE<br>B                                                                          | DWG. NO. | REV. |
| 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE. |                     |                      |               |                               |      | SCALE<br>1:20                                                                      |          |      |
| DO NOT SCALE DRAWING                                                                                      |                     |                      |               | WEIGHT 287.89 lb.             |      | SHEET 1 OF 3                                                                       |          |      |

# Top view with fairing removed



| UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:                                                                |                     |                      |               | APPROVALS                     | DATE | Monterey Bay Aquarium Research Institute                                           |          |      |
|-----------------------------------------------------------------------------------------------------------|---------------------|----------------------|---------------|-------------------------------|------|------------------------------------------------------------------------------------|----------|------|
| 1 PLACE DIM<br>±1/16                                                                                      | 2 PLACE DIM<br>±.02 | 3 PLACE DIM<br>±.005 | ANGLES<br>±1° | DRAWN<br>Francois Cazenave    |      |                                                                                    |          |      |
| 1. DIMENSIONS ARE IN INCHES                                                                               |                     |                      |               | ENGINEER<br>Francois Cazenave |      | <b>MBARI</b><br>7700 Sandholdt RD.<br>Moss Landing, CA 95039<br>PH: (831) 775-1700 |          |      |
| 2. DIMENSION LIMITS HELD AFTER PLATING.                                                                   |                     |                      |               | CHECKED                       |      |                                                                                    |          |      |
| 3. REMOVE BURRS AND SHARP EDGES .015 MAX.                                                                 |                     |                      |               | PROJECT NO.                   |      | I2Map_Section                                                                      |          |      |
| 4. MACHINED FILLET RADII .0150-.030.                                                                      |                     |                      |               | PROJECT                       |      |                                                                                    |          |      |
| 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005                                       |                     |                      |               |                               |      | SIZE<br>B                                                                          | DWG. NO. | REV. |
| 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE. |                     |                      |               |                               |      | SCALE 1:20                                                                         |          |      |
| DO NOT SCALE DRAWING                                                                                      |                     |                      |               | WEIGHT 287.89 lb.             |      | SHEET 2 OF 3                                                                       |          |      |

|                                              |                   |               |                 |
|----------------------------------------------|-------------------|---------------|-----------------|
| Weights in air and water of I2map components |                   |               |                 |
| Updated 12/17/2014                           |                   |               |                 |
|                                              |                   |               |                 |
|                                              | Displacement (ci) | Weight in air | Weight in water |
| Parallel section fairing and brackets        | 1138              | 41            | -1.1            |
| Nose Assembly                                | 1028              | 37.1          | -1.0            |
| Fairing clamp assembly                       | 22                | 4.7           | 3.9             |
| Camera housing                               | 1724              | 100           | 36.2            |
| CTDO + mounting plate                        | 197               | 9             | 1.7             |
| SBE25+                                       | 206               | 13.2          | 5.6             |
| Light bars                                   | 136               | 10.4          | 5.4             |
| Transmissometer                              | 63.5              | 7.94          | 5.6             |
| DO+Pump                                      | 100.5             | 4.9           | 1.2             |
| Main Foam Block                              | 3487              | 56.7          | -72.4           |
| total                                        | 8102              | 284.94        | -15.1           |

UHMW shield

HDPE tube protects camera housing

HDPE tube is bolted to UHWM plate

BZ-24 syntactic foam

SBE 25+

UNLESS OTHERWISE SPECIFIED  
TOLERANCES ARE:

|                      |                     |                      |               |
|----------------------|---------------------|----------------------|---------------|
| 1 PLACE DIM<br>±1/16 | 2 PLACE DIM<br>±.02 | 3 PLACE DIM<br>±.005 | ANGLES<br>±1° |
|----------------------|---------------------|----------------------|---------------|

1. DIMENSIONS ARE IN INCHES  
2. DIMENSION LIMITS HELD AFTER PLATING.  
3. REMOVE BURRS AND SHARP EDGES .015 MAX.  
4. MACHINED FILLET RADII .0150-.030.  
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.

APPROVALS

|             |                   |
|-------------|-------------------|
| DRAWN       | Francois Cazenave |
| ENGINEER    | Francois Cazenave |
| CHECKED     |                   |
| PROJECT NO. |                   |
| PROJECT     |                   |

DO NOT SCALE DRAWING

DATE

Monterey Bay Aquarium Research Institute

MBARI

7700 Sandholdt RD.

Moss Landing, CA 95039

PH: (831) 775-1700



I2Map\_Section

|      |          |      |
|------|----------|------|
| SIZE | DWG. NO. | REV. |
| B    |          |      |

|       |      |              |
|-------|------|--------------|
| SCALE | 1:20 | SHEET 3 OF 3 |
|-------|------|--------------|