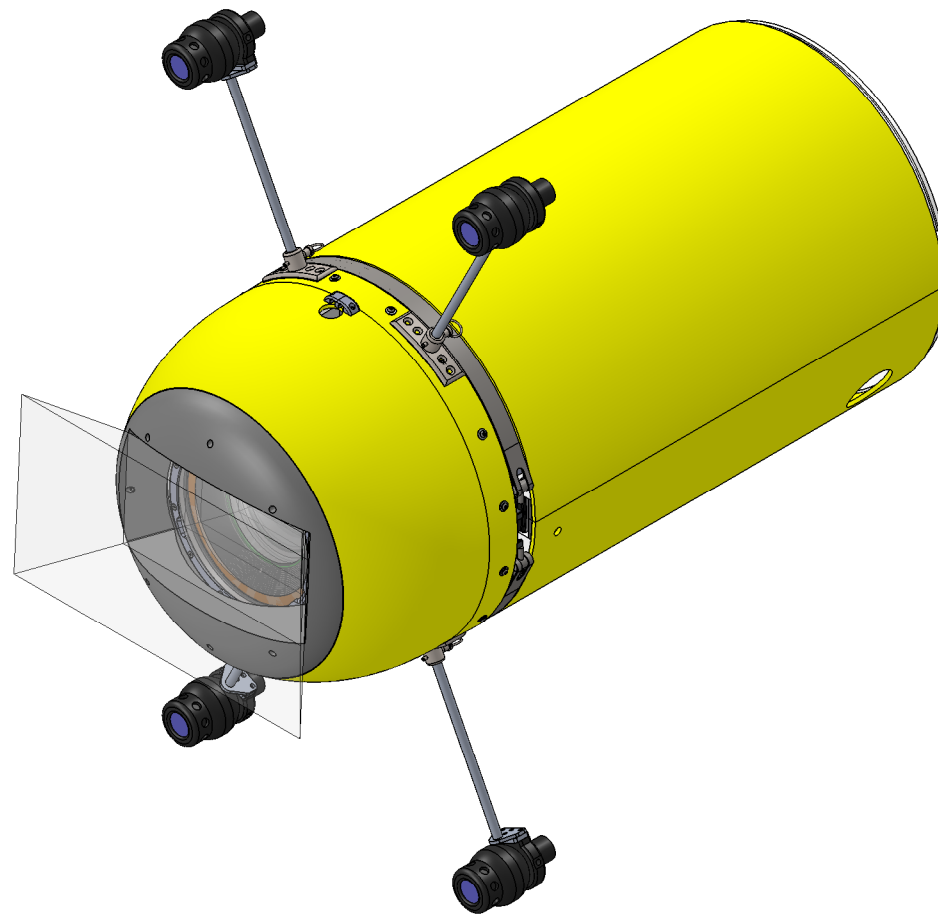
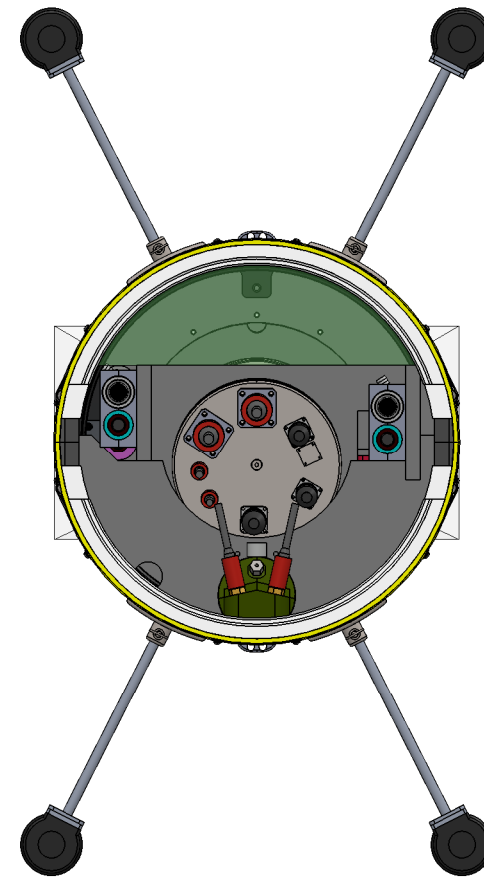
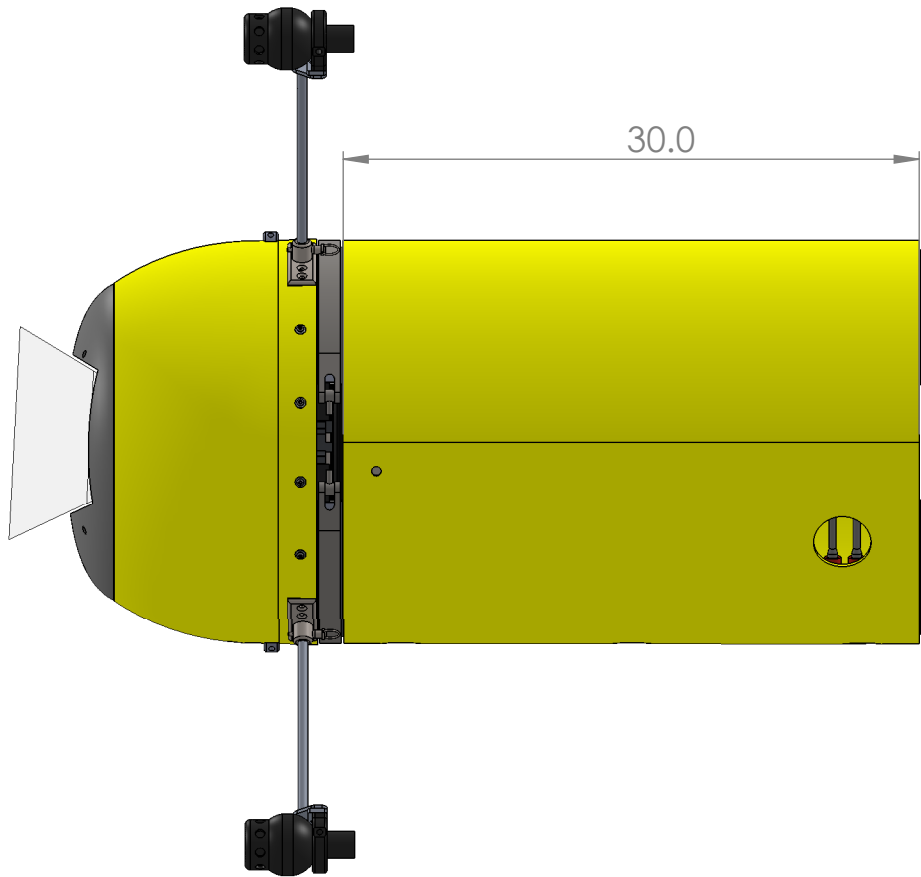
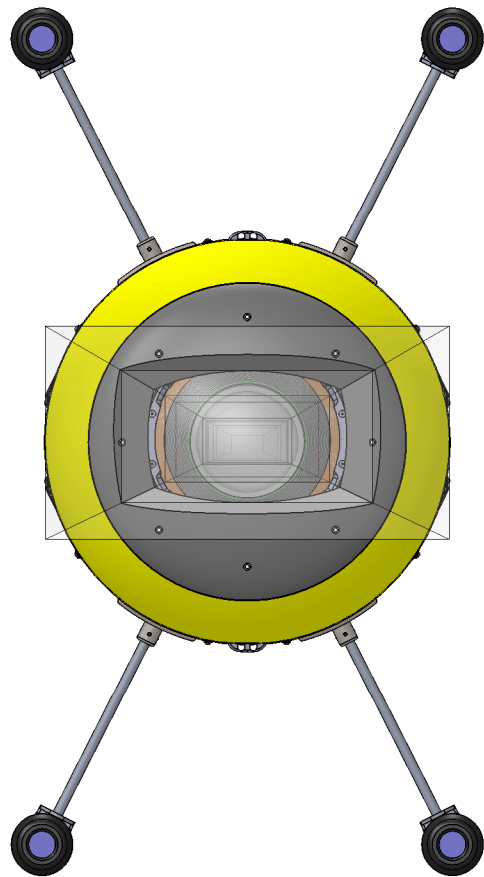


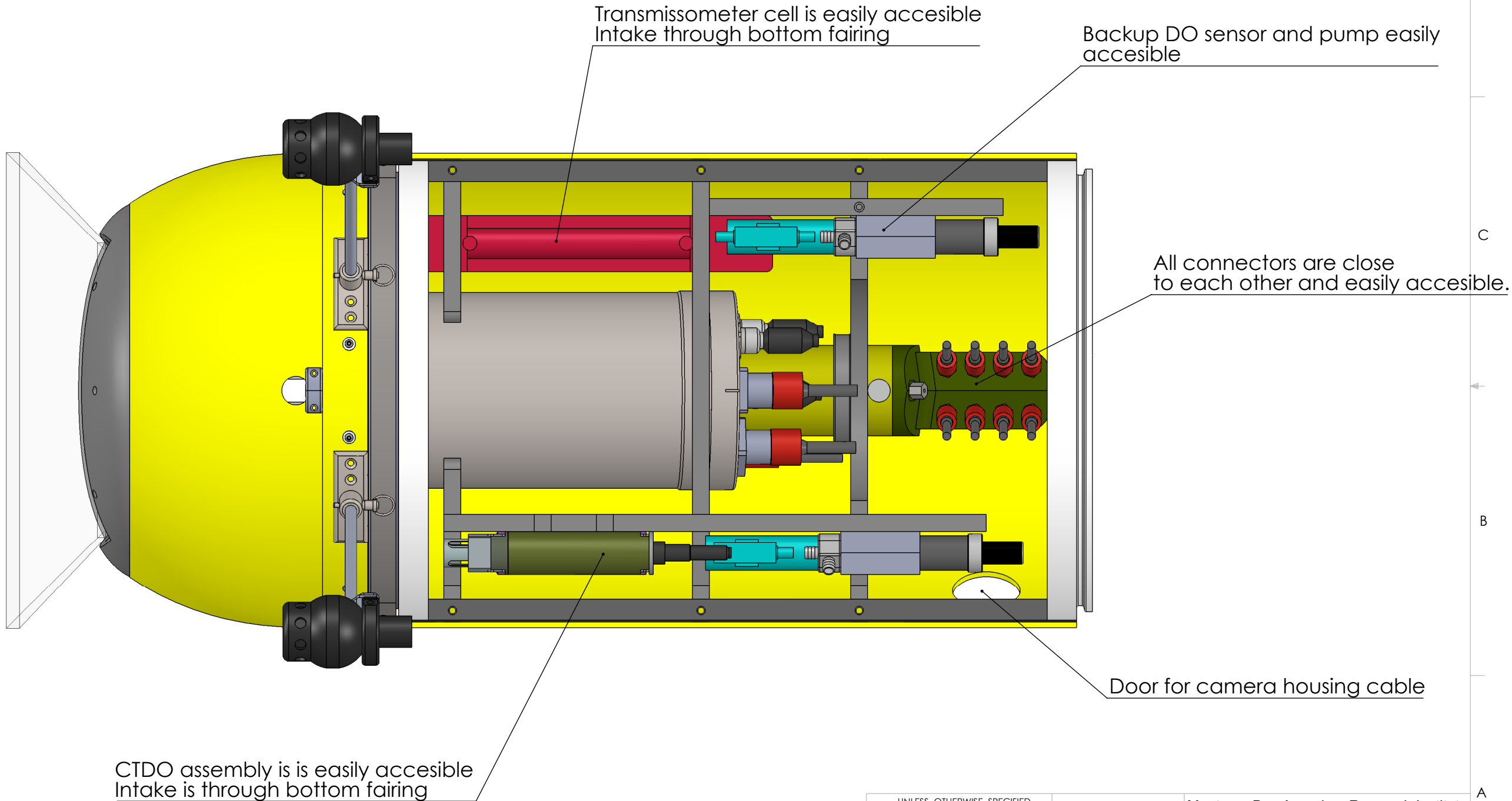
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MBARI. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF MBARI IS PROHIBITED.



Weight in air: 278lb
Weight in water: -18lb

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS	DATE	Monterey Bay Aquarium Research Institute		
1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Francois Cazenave				
1. DIMENSIONS ARE IN INCHES				ENGINEER Francois Cazenave		MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 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 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 276.38 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 ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN Francois Cazenave				
1. DIMENSIONS ARE IN INCHES				ENGINEER Francois Cazenave		MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 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 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 276.38 lb.		SHEET 2 OF 3		

Weights in air and water of I2map components			
Updated 12/8/2014			
	Displacement (ci)	Weight in air	Weight in water
Parallel section fairing and brackets	1106	39.7	-1.3
Nose Assembly	910.5	37.2	3.5
Fairing clamp assembly	22	4.7	3.9
Camera housing	1724	100	36.2
CTDO + plastic housing	168	10.3	4.1
SBE25+	206	13.2	5.6
Light bars	136	10.4	5.4
Transmissometer + DO + Pump	197.5	14.2	6.9
Main Foam Block	2450	34.03	-56.7
Nose foam Port	550	7.6	-12.8
Nose foam Starboard	550	7.6	-12.8
total	8020	278.93	-18.1

Foam quote from Engineered syntactic systems

- main block: \$3979
- small block: \$2598 each

TBD: clamp for camera housing
indexing of camera housing with shield

Field of view

UHMW shield

Angled plate bolted
inside PVC pipe supports
camera housing

14" PVC pipe supports
housing and protects it
in case of impact

PVC pipe is bolted
to UHWM plate

Foam ring (two halves)

Camera housing is tilted 3deg up

Main foam block

SBE 25+

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS	DATE	Monterey Bay Aquarium Research Institute		
1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	Francois Cazenave	MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700		
1. DIMENSIONS ARE IN INCHES				ENGINEER	Francois Cazenave			
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		SIZE B		
5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005						DWG. NO.		
6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE.						REV.		
DO NOT SCALE DRAWING				WEIGHT 276.38 lb.		SCALE 1:20		
						SHEET 3 OF 3		