

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	5/07	MP
B	Deleted Large Hanger	02/08	MP

Technical drawing of a bolt. The drawing shows a bolt with a hexagonal head and a threaded shank. The head diameter is dimensioned as 0.250. The shank diameter is dimensioned as 0.1875. The total length of the bolt is dimensioned as 3.750. A callout points to the thread on the shank, specifying 8-32 UNC-2B Thru on ϕ .

Technical drawing of a U-shaped pipe assembly. The drawing shows a horizontal section at the top with a length dimension of 4.66. A vertical section extends downwards from the right end of the horizontal section, with a height dimension of 8.31. At the bottom, there is another horizontal section with a length dimension of 2.16. The inner radius of the bend connecting the two sections is labeled R.6. The outer diameter of the pipe is indicated by a dimension line and labeled $\varnothing .313$. The volume of the pipe is specified as 500 mL.

Technical drawing of a bolt. The drawing shows a bolt with a hexagonal head and a threaded shank. The dimensions are as follows:

- Head diameter: 0.250
- Head length: 0.125
- Shank diameter: 0.125
- Shank length: 2.75
- Thread specification: 8-32 UNC-2B Thru on Q

Technical drawing of a 90-degree elbow. The horizontal leg has a length of 3.66. The vertical leg has a length of 7.31. The elbow has a radius of R.6. The end view shows a diameter of $\varnothing.313$. The volume of the part is 175 mL.

0.125

8-32 UNC-2B Thru on C

0.250

2.75

Technical drawing of a volumetric flask with the following dimensions:

- Horizontal distance from the left edge to the center of the neck: 3.66
- Vertical distance from the bottom of the flask to the center of the neck: 4.31
- Horizontal distance from the center of the neck to the right edge: 1.66
- Radius of the neck: R.6
- Inner diameter of the neck: $\phi .313$
- Volume: 50 mL

BILL OF MATERIALS											
Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE		Monterey Bay Aquarium Research Institute MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 	
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	Michael Parker	5/29/07			
Shop Foreman		1. DIMENSIONS ARE IN INCHES 2. DIMENSION LIMITS HELD AFTER PLATING. 3. REMOVE BURRS AND SHARP EDGES .015 MAX. 4. MACHINED FILLET RADI .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.				ENGINEER	Michael Parker	5/29/07			
Engineer						CHECKED					
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.		701312		Bag Holding - Rods	
						PROJECT		ESP2G			
Application						DO NOT SCALE DRAWING				WEIGHT	
						SIZE B		DWG. NO. 1003523		REV. B	
						SCALE 2:1		CAD FILE: MECH ENG ON TORNADO		SHEET 4 OF 4	