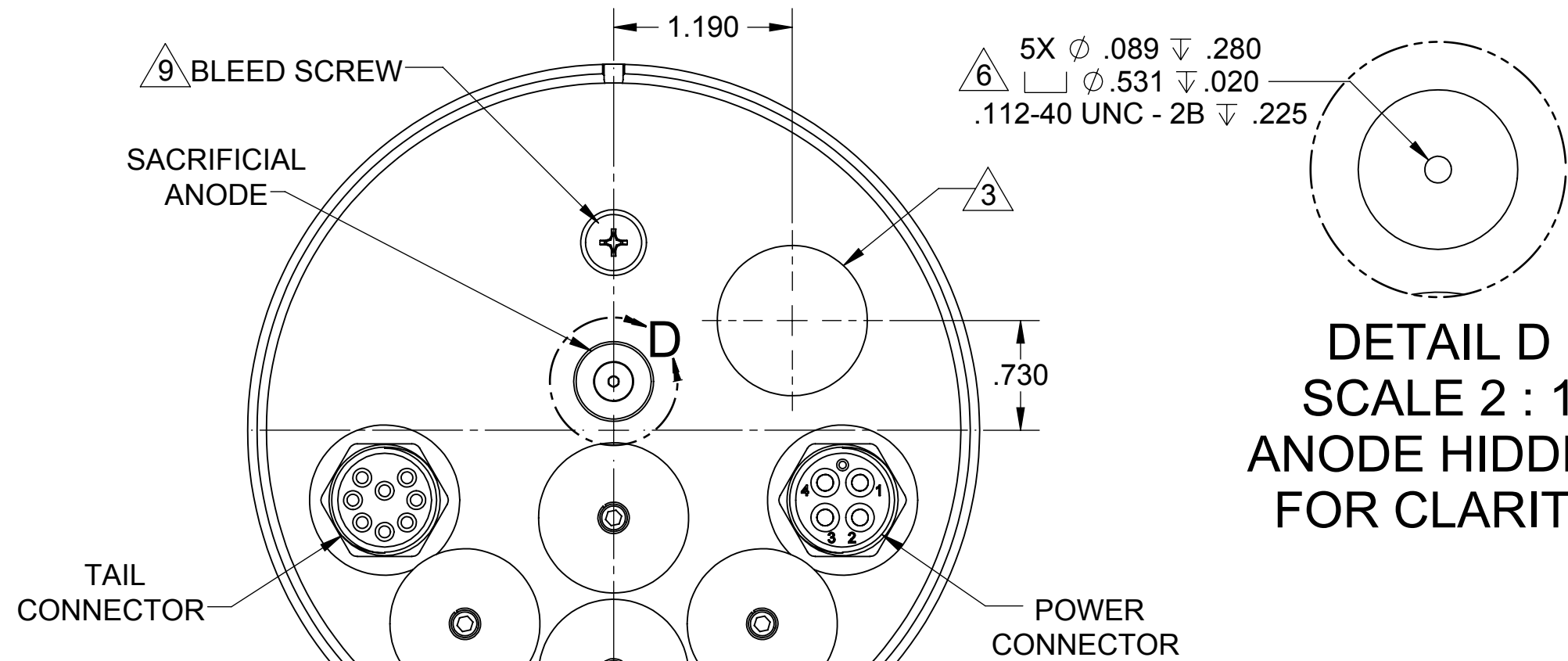
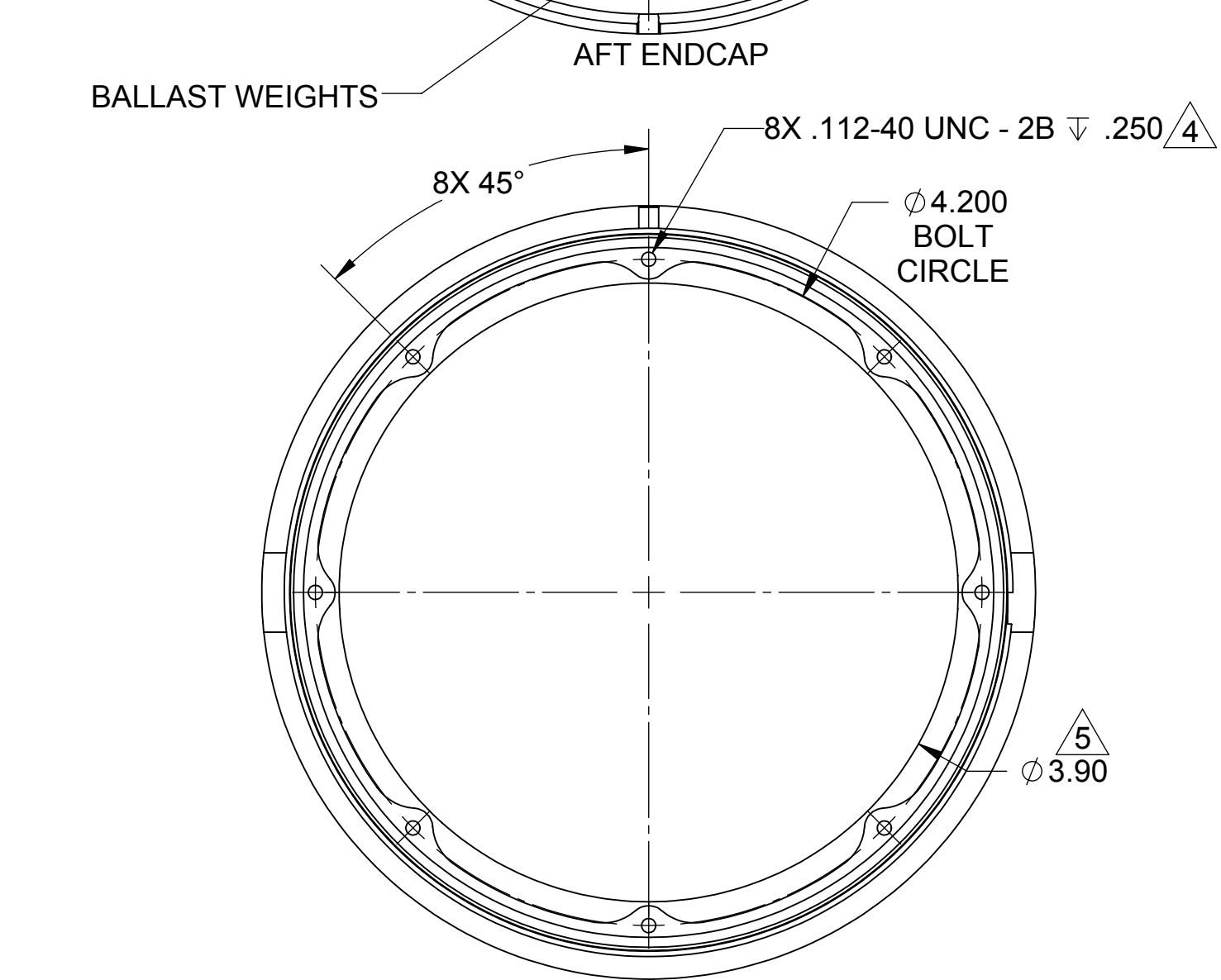


NOTES:

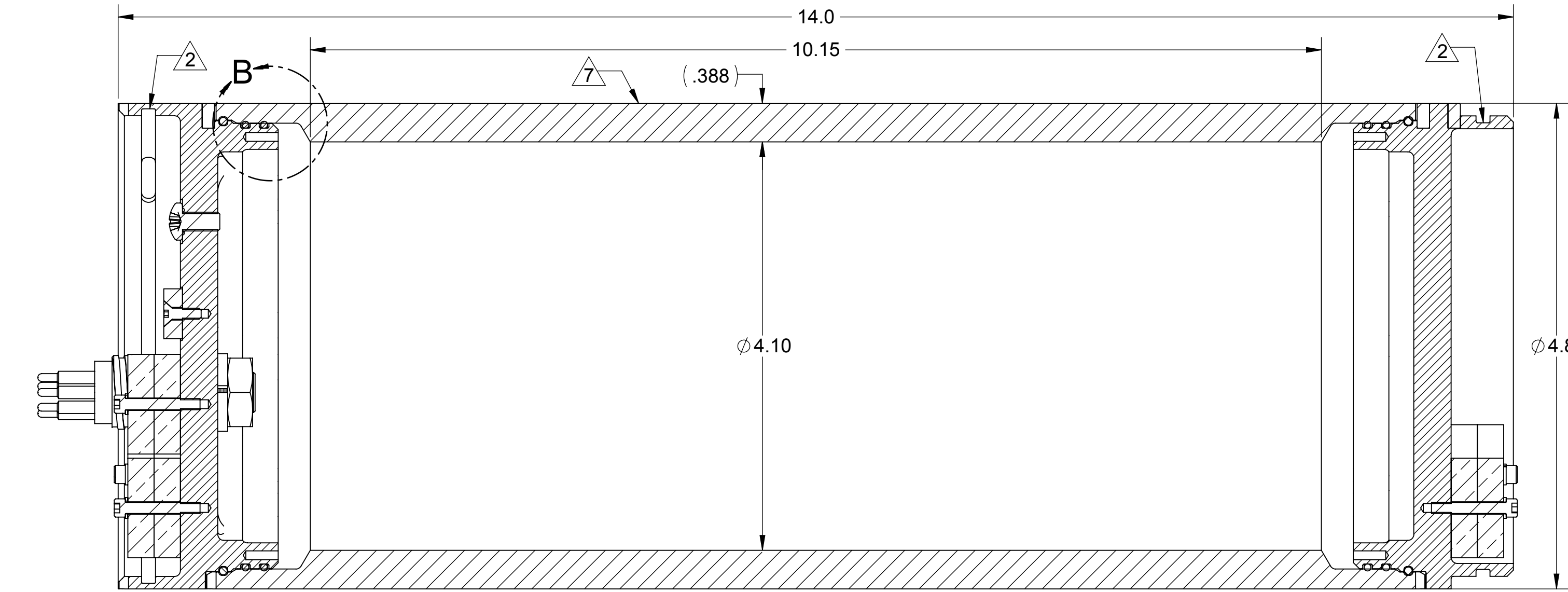
1. THE PURPOSE OF THIS DRAWING IS TO SUPPLY REFERENCE DIMENSIONS OF THE BLUEFIN SANDSHARK'S STANDARD DRY PAYLOAD PRESSURE VESSEL FOR END USER COMPONENT INTEGRATION.
2. SEE DOCUMENT 000-020-900 FOR FLOODED SECTION INTERNAL INTERFACE GEOMETRY.
3. EXTRA SPOT-FACE INCLUDED ON AFT ENDCAP FOR AN ADDITIONAL PENETRATOR. SPOTFACE SURFACE FINISH IS 32 MICROINCHES FOR O-RING FACE SEAL.
4. WHEN USING ENDCAP INTERNAL THREADED HOLES FOR MOUNTING, RECOMMEND MOUNTING PLATE OUTER DIAMETER NOT TO EXCEED  $\phi 4.40$ .
5. FLAT BULKHEAD OF FWD ENDCAP HAS A CONTINUOUS .38IN THICKNESS FOR USER TO ADD THROUGH BORES AND MOUNTING HOLES AS NEEDED. ENSURE ADDITIONAL CONNECTORS DO NOT INTERFERE WITH INDICATED  $\phi 3.90$  BOSS ON INNER DIAMETER OF ENDCAP.
6. IF ADDING CONNECTORS TO FORWARD ENDCAP, RECOMMEND ALSO ADDING SACRIFICIAL ANODE. SEE DETAIL D FOR RECOMMENDED ANODE MOUNTING DIMENSIONS.
7. TUBE WALL CAN BE DRILLED AND TAPPED FOR EXTERNAL COMPONENT INTERGRATION. RECOMMEND NOT EXCEEDING  $\nabla .280$  FOR BLIND TAPPED HOLE DEPTH.
8. AFTER INSTALLING ENDCAPS ONTO TUBE INSERT TEFLON CORD THRU AVAILABLE SLOT BY FOLLOWING THE MATING GROOVES TO FEED THE CORD THE FULL DIAMETER OF THE HOUSINGS. NOTE THAT THE ORTMAN CORD INTERFACE BETWEEN PRESSURE VESSEL COMPONENTS HAS A SMALLER DIAMETER THAN THE FLOODED SECTION JOINING ORTMAN CORD.
9. USE INDICATED JACKING FEATURES ALONG WITH JACKING KEY, PROVIDED WITH KIT, TO REMOVE ENDCAPS FROM TUBE. WHEN PULLING PRESSURE VESSEL COMPONENTS APART ENSURE BLEED SCREW ON AFT ENDCAP IS OUT AND ORTMAN CORDS HAVE BEEN REMOVED.



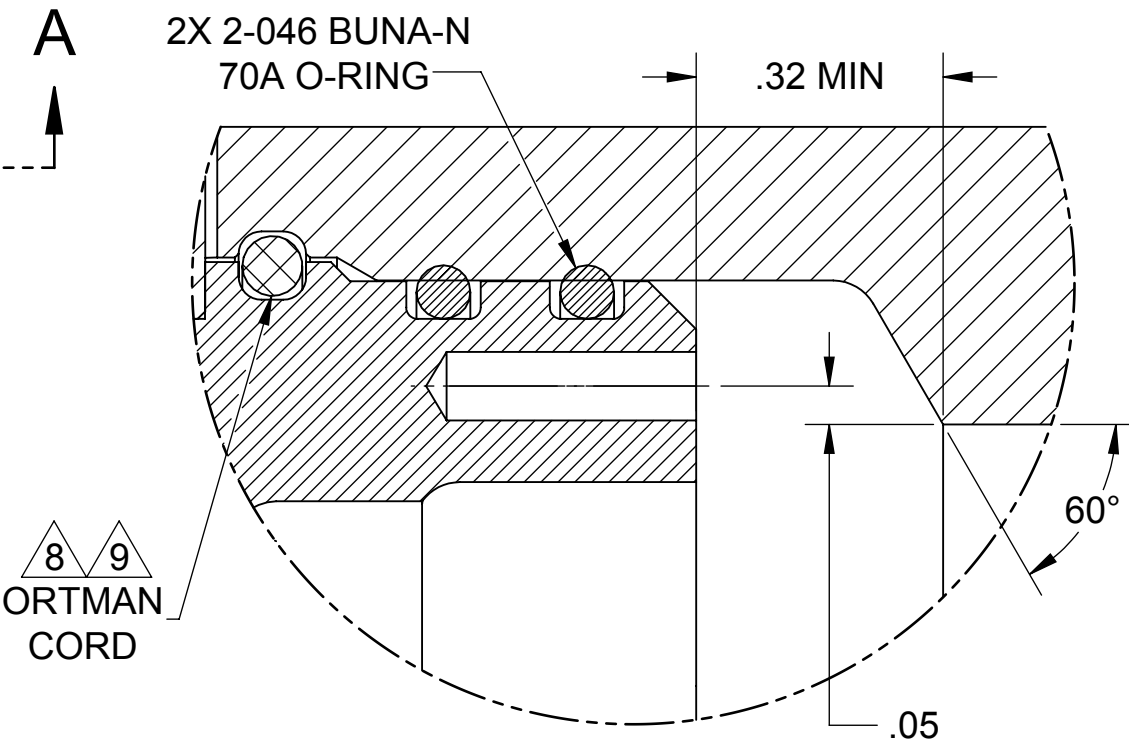
DETAIL D  
SCALE 2 : 1  
ANODE HIDDEN  
FOR CLARITY



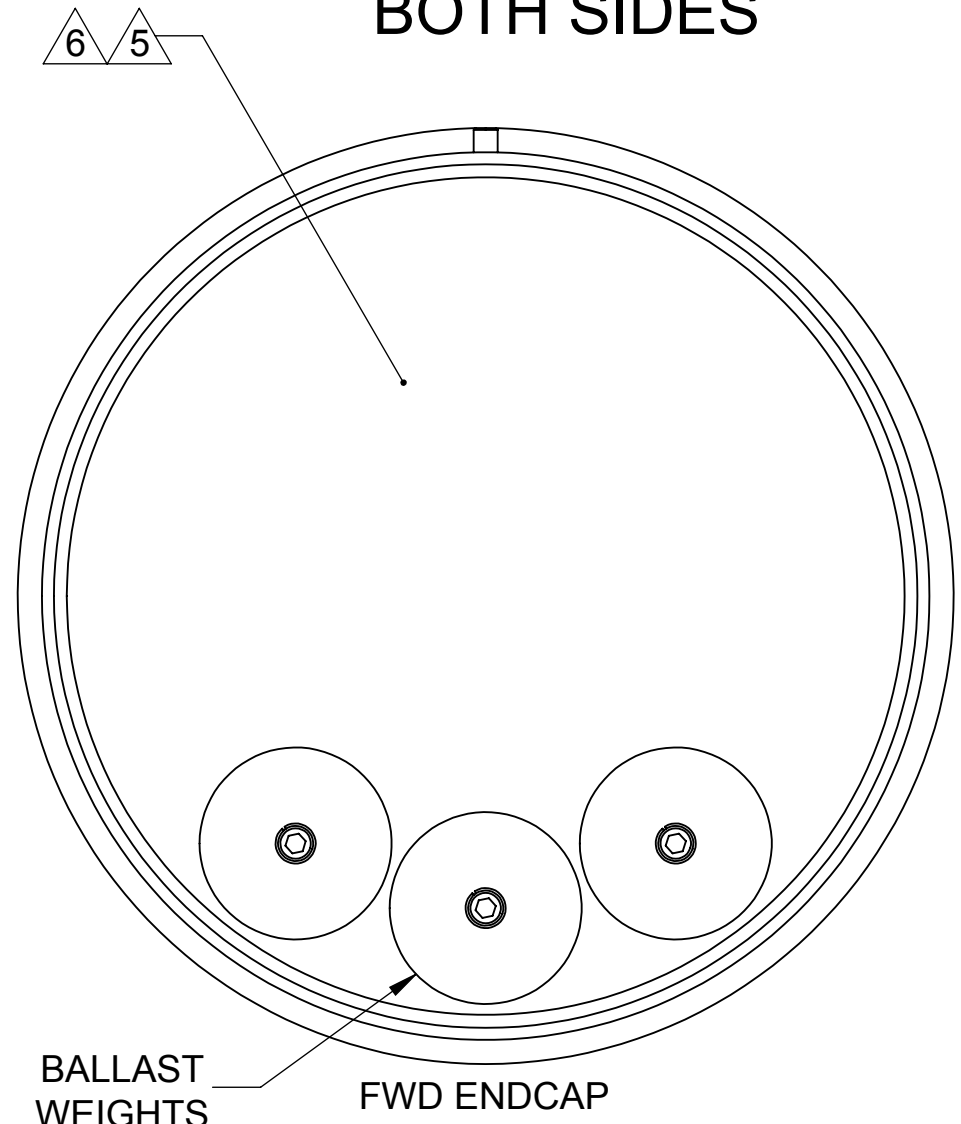
SECTION C-C  
BOTH ENDCAPS



SECTION A-A



DETAIL B  
SCALE 4 : 1  
BOTH SIDES



THIRD ANGLE PROJECTION		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [MM]			
		TOLERANCES			
INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5 - 1994		.X = $\pm .1$ [3] .XX = $\pm .01$ [0.25] .XXX = $\pm .005$ [0.1] ANGLES = $\pm 1/2^\circ$			
PART NO. 000-021-858		DO NOT SCALE DRAWING			
CHECKED BY: CEO		DATE: 17-06-01		DWG TITLE	
DRAWN BY: ECK		DATE: 17-06-01		INTERFACE CONTROL DRAWING, STD DRY PAYLOAD, SANDSHARK	
DESIGNED BY: ECK		DATE: 17-06-01			
MATERIAL: N/A		SIZE D		CAGE CODE 1LXF2	
FINISH: N/A		DWG NO. 000-021-858		REV A	
APPLICATION: SOLIDWORKS		SCALE: 1:1		WEIGHT: 5.60 LBS	
		SHEET 1 OF 1			

BLUEFIN  
ROBOTICS