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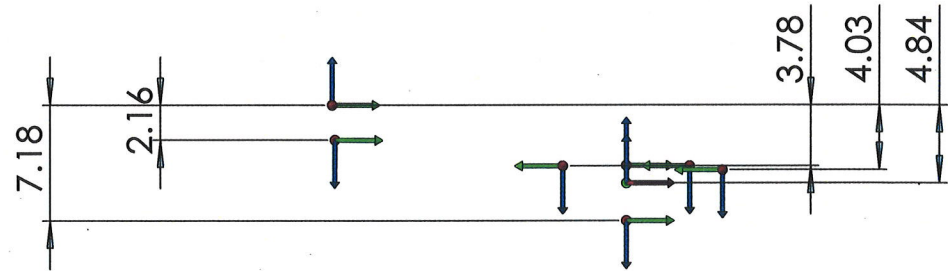
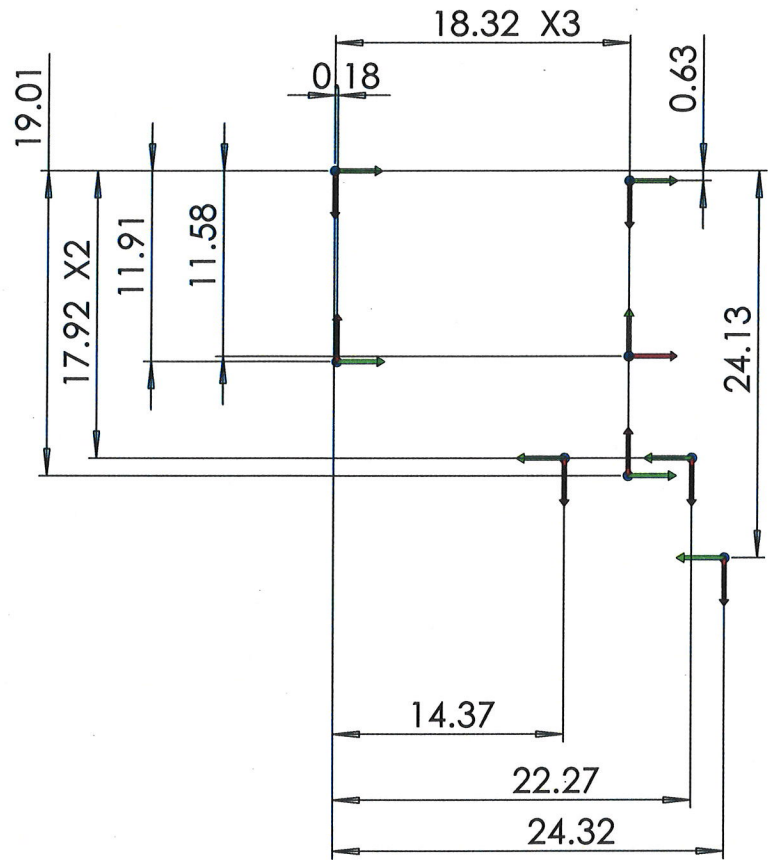
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	INITIAL RELEASE		

D

C

B

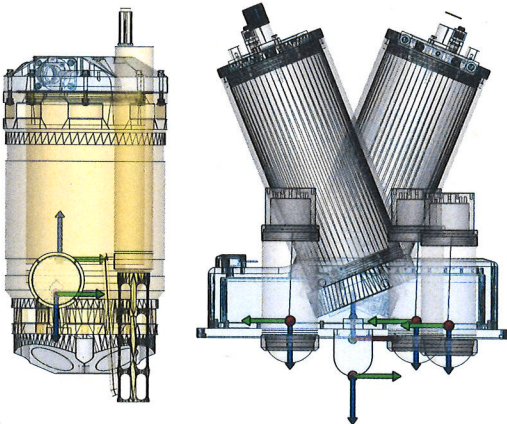
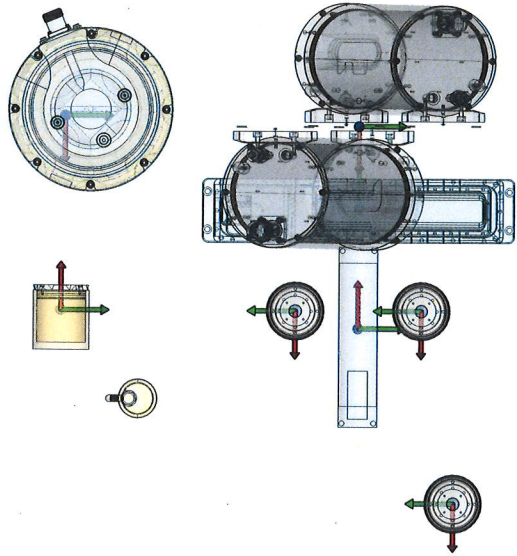
A



X=RED
Y=GREEN
Z=BLUE

STARBOARD

FORWARD



UP

I = KERRFOT
L = LIDAR
R_R = RESON RECV
R_P = RESON PROS
A = ACCELEROMETER
C_S = STARBOARD CAMERA
C_P = PORT CAMERA
C₃ = 3" CAMERA
S = CTID

POSITIONS RELATIVE TO INS IN
"PLATFORM FILE" COORDINATES [X=STARBOARD
Y=FORWARD
Z=UP]
[INCHES]

$$L_{IA}^P = \begin{bmatrix} -1.18 \\ 11.91 \\ -2.16 \end{bmatrix}$$

$$L_{IL}^P = \begin{bmatrix} -18.32 \\ .63 \\ -3.75 \end{bmatrix}$$

$$L_{IR_R}^P = \begin{bmatrix} -18.32 \\ 11.58 \\ -4.84 \end{bmatrix}$$

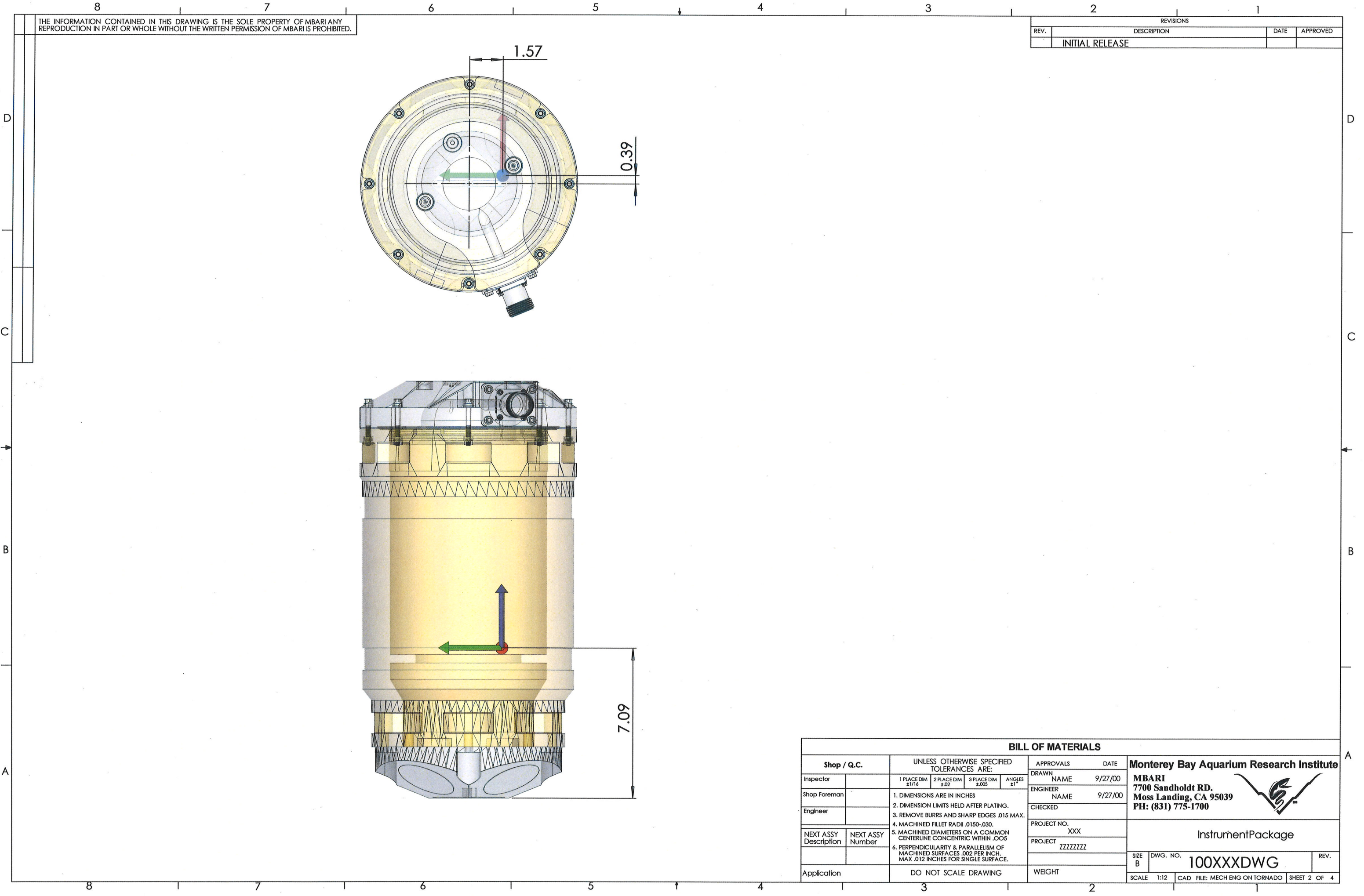
$$L_{IR_P}^P = \begin{bmatrix} -18.32 \\ 19.01 \\ -7.18 \end{bmatrix}$$

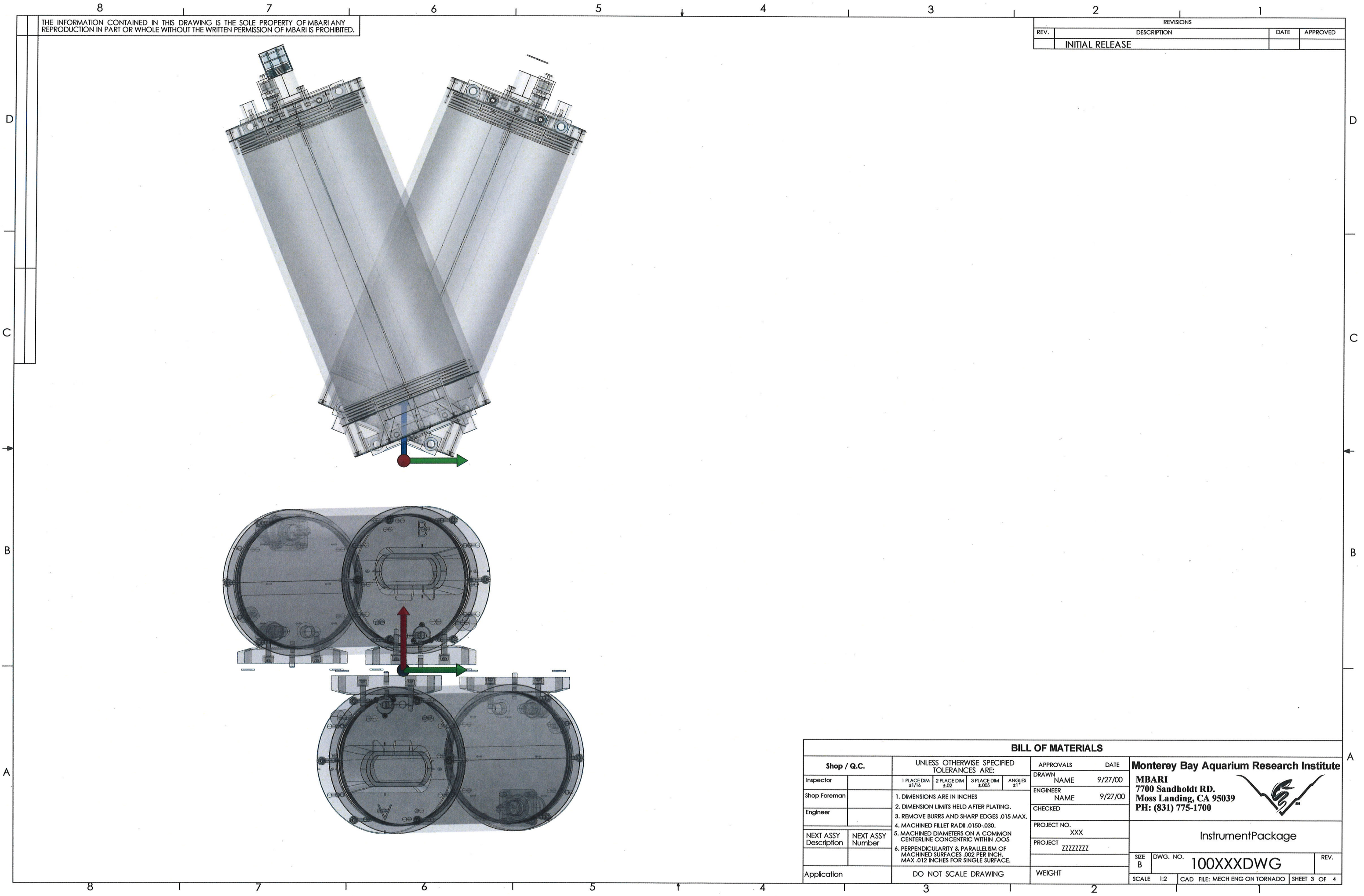
$$L_{IC_S}^P = \begin{bmatrix} -14.37 \\ 17.92 \\ -3.78 \end{bmatrix}$$

$$L_{IC_P}^P = \begin{bmatrix} -22.27 \\ 17.92 \\ -3.78 \end{bmatrix}$$

BILL OF MATERIALS

Shop / Q.C.		UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:				APPROVALS		DATE	Monterey Bay Aquarium Research Institute			
Inspector		1 PLACE DIM ±1/16	2 PLACE DIM ±.02	3 PLACE DIM ±.005	ANGLES ±1°	DRAWN	NAME	9/27/00	MBARI 7700 Sandholdt RD. Moss Landing, CA 95039 PH: (831) 775-1700 			
Shop Foreman		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.				ENGINEER	NAME	9/27/00				
Engineer						CHECKED						
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO.		XXX	InstrumentPackage			
						PROJECT		ZZZZZZZZ				
Application		DO NOT SCALE DRAWING				WEIGHT			SIZE B	DWG. NO.	100XXXDWG	REV.
									SCALE 1:24	CAD FILE: MECH ENG ON TORNADO	SHEET 1 OF 4	





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Engineer						CHECKED			
NEXT ASSY Description	NEXT ASSY Number					PROJECT NO. XXX		InstrumentPackage	
						PROJECT ZZZZZZZZ			
Application		DO NOT SCALE DRAWING				WEIGHT		SIZE B	DWG. NO. 100XXXDWG
								SCALE 1:2	CAD FILE: MECH ENG ON TORNADO
								SHEET 3 OF 4	

