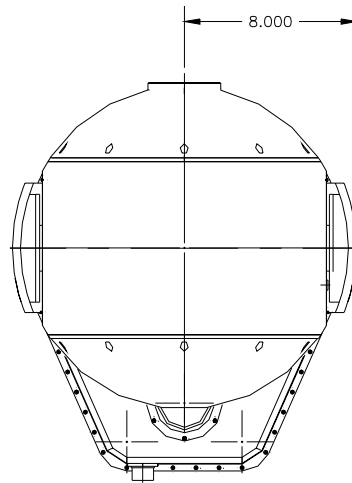
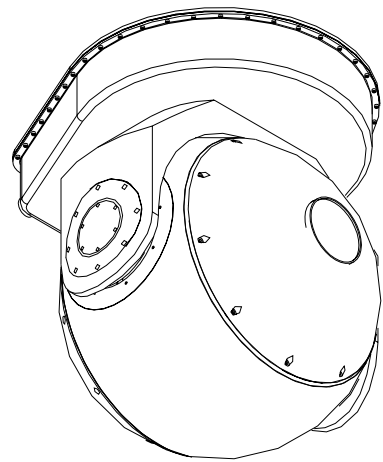
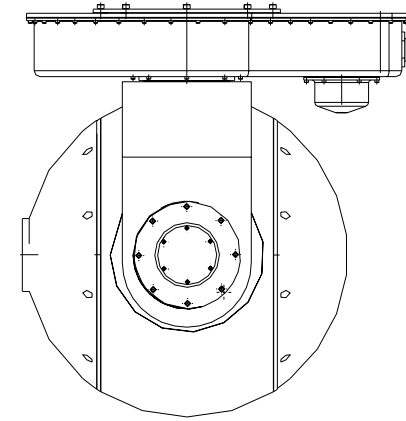
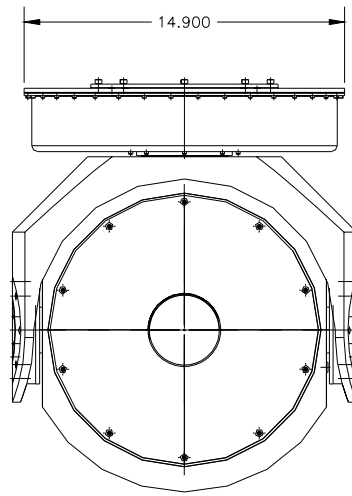
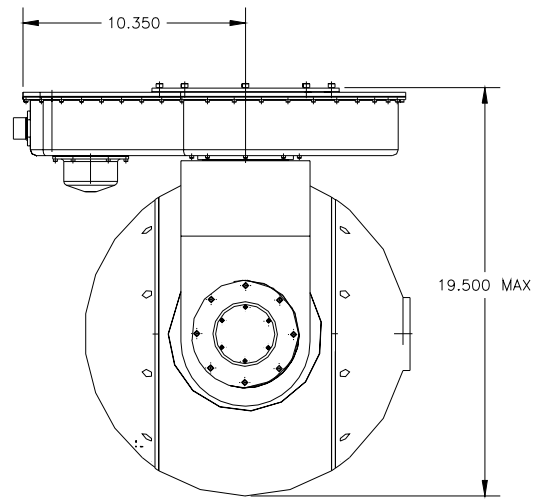
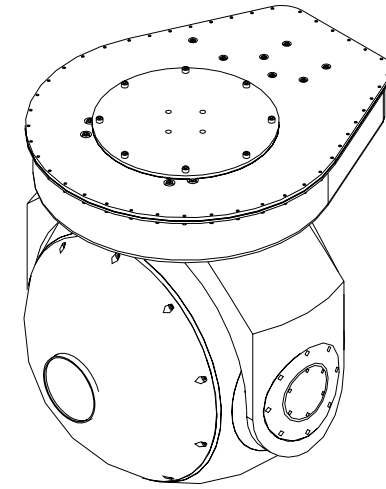
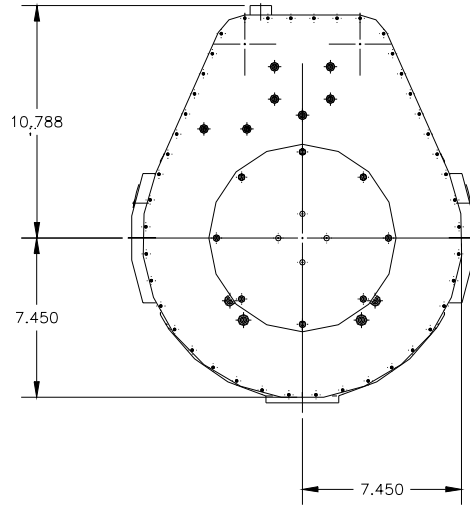
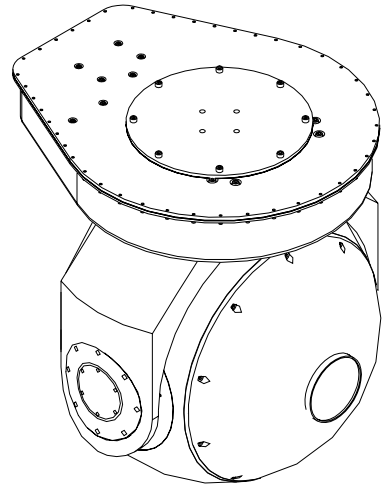


DWG NO DA03125 SH 2 REV. -

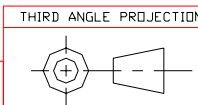
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DRAWN V. SANCHEZ	SIZE D	CAGE CODE OXTY1	DWG NO. DA03125	REV. -
CHECKED S. SETHI	SCALE	SHEET 2		

DWG NO	DA03125	SH	1	REV.	-
REVISION HISTORY					
REV	DESCRIPTION	DATE	APPROVED		
	ORIGINAL RELEASE	6/27/01	A.S.		



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HEAT TREAT	NONE
FINISH	
MATL	

UNLESS OTHERWISE SPECIFIED:
 ◦ DIMENSIONS ARE IN INCHES AND APPLY PRIOR TO FINISH.
 ◦ SURFACE TEXTURE:
 ◦ SYMBOLS PER ANSI Y14.5M '94
 ◦ REQUIREMENTS PER ANSI B46.1
 ◦ 63 MACH SURF. ROUGHNESS
 ◦ TOLERANCES ON:
 ◦ ANGLES: ± 5°
 ◦ DECIMALS: .xx ±.03
 .xxx ±.005

CONTRACT NO.		8011
APPROVALS	DATE	
DWN V. SANCHEZ	6/26/01	
CHK S. SETHI	6/27/01	
ENGR S. SETHI	6/27/01	

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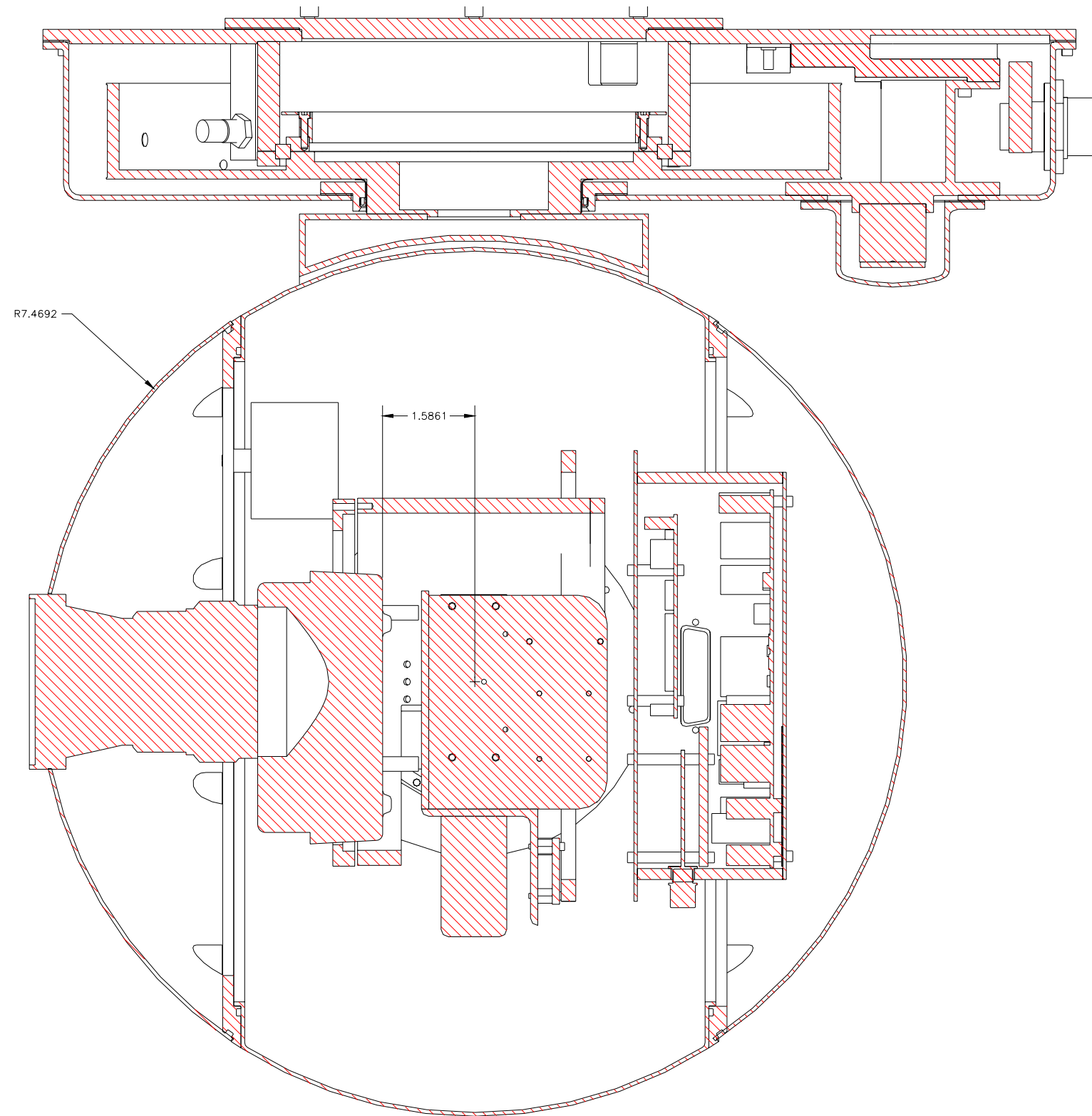
TOP- ASSEMBLY
 AERO 20

DO NOT SCALE DRAWING

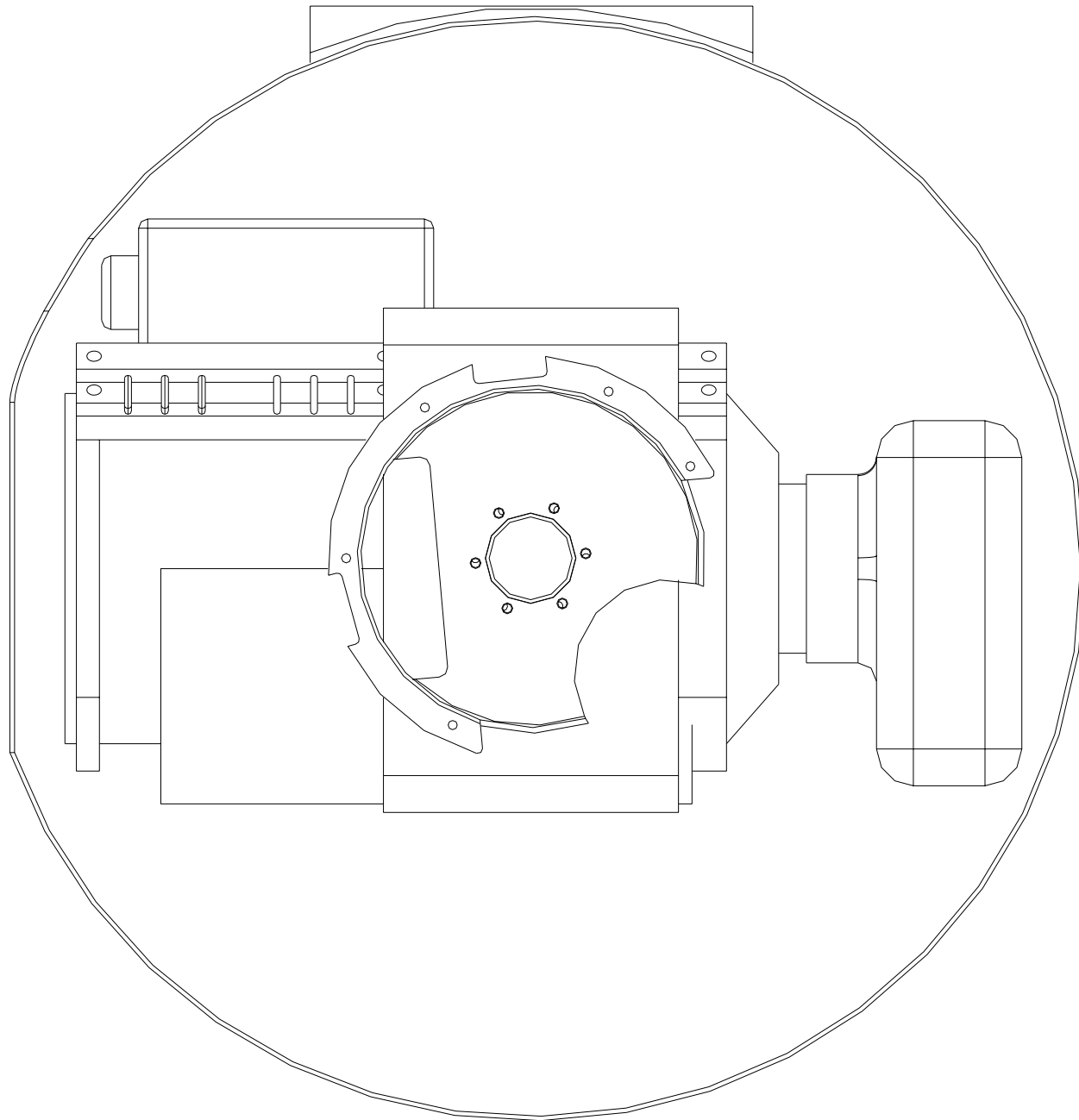
SIZE	CAGE CODE	DWG NO.	REV.
D 0XTY1		DA03125	-
SCALE	WEIGHT	SHEET	1 OF 4

REPRESENTATIVE PAYLOADS

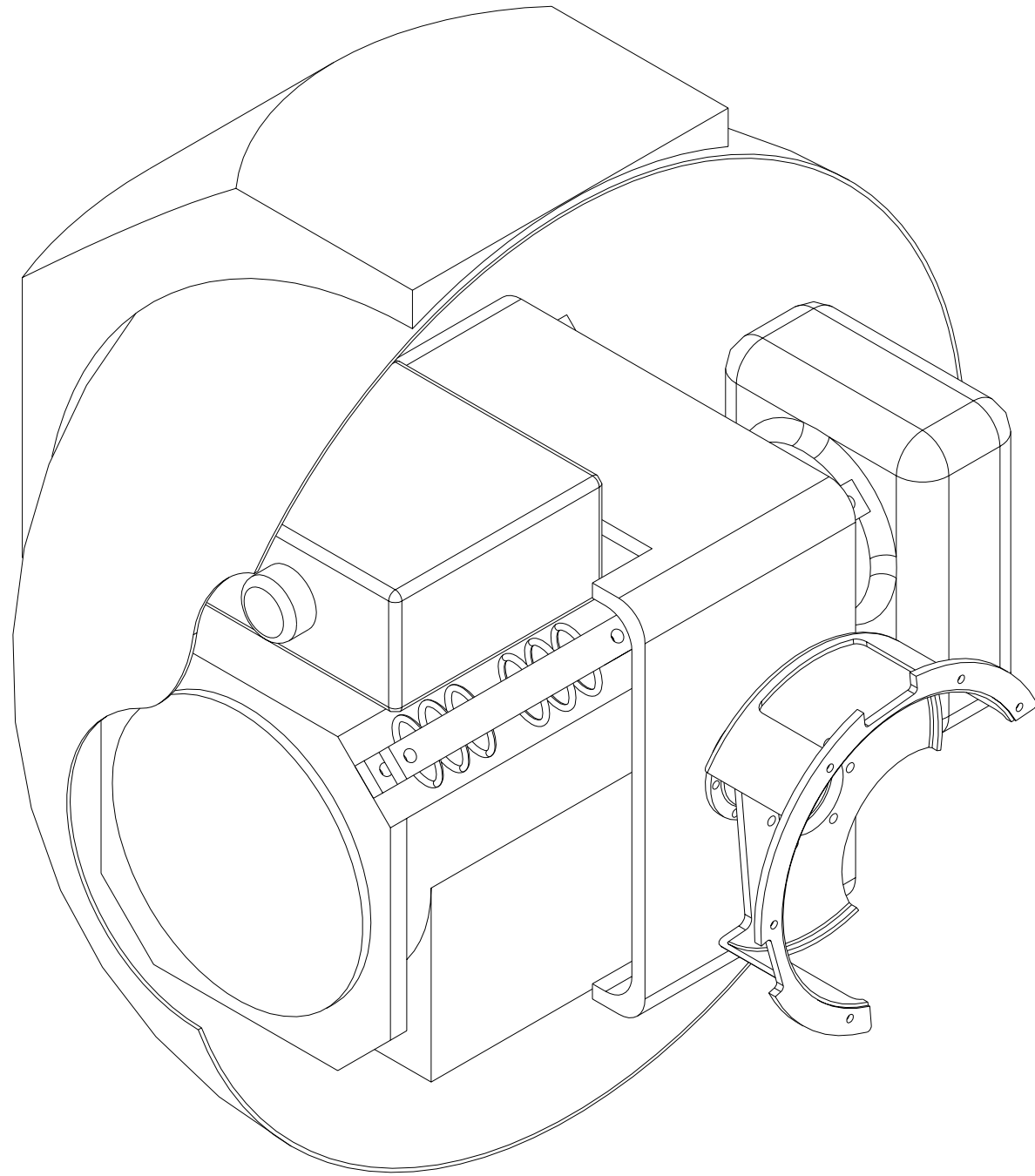
The elevation sphere radius is approximately 7.48", the payload volume is approximately 8 inches wide, 8 inches high, and 10 inches deep. Gimbal electronics and inertial instrument locations are payload-specific to help balance the payload. Additional ballast is added as-needed.



Cross-section of Raytheon 2000B Mount with 75mm lens. Camera is mounted approximately 1.59" forward of the sphere's center



Cross-section of DIOP 50/150 mm Dual FOV lens with Raytheon 300 IR core. Daylight camera mounted above lens.
Inertial instruments and gimbal electronics not shown.



DIOP 50/150 mm Dual FOV lens with Raytheon 300 IR core. Daylight camera mounted above lens

Inertial instruments and gimbal electronics not shown