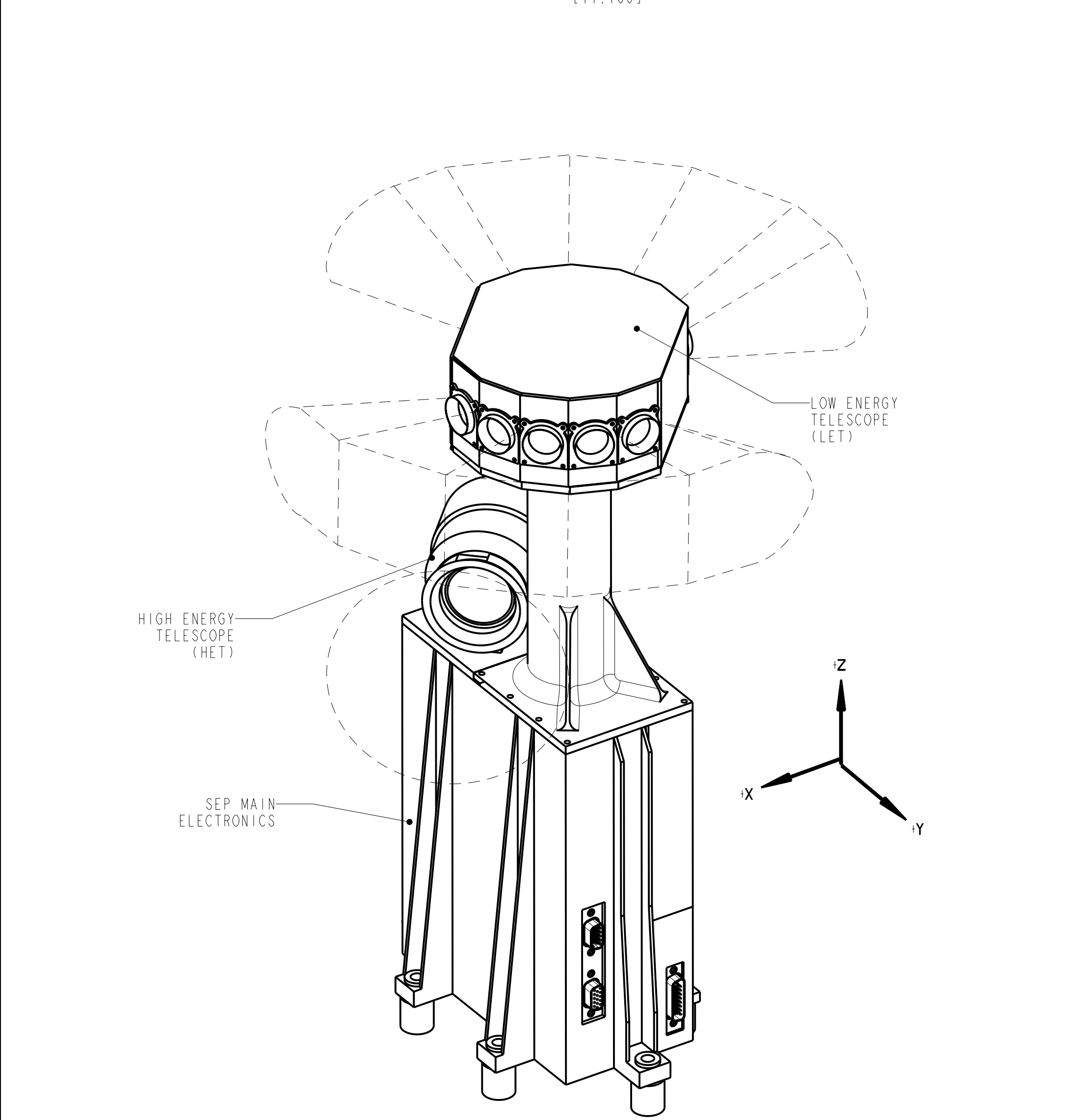
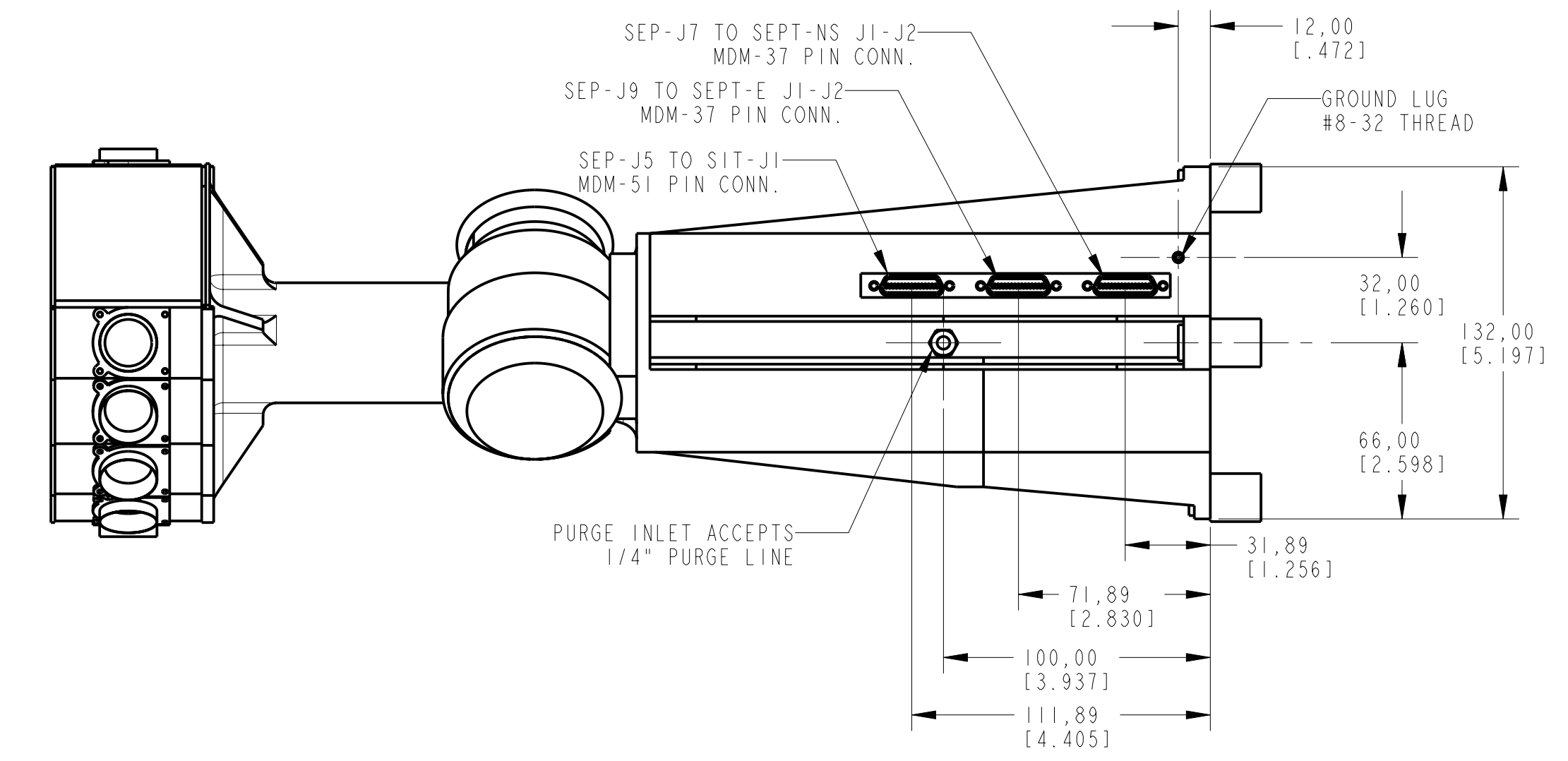
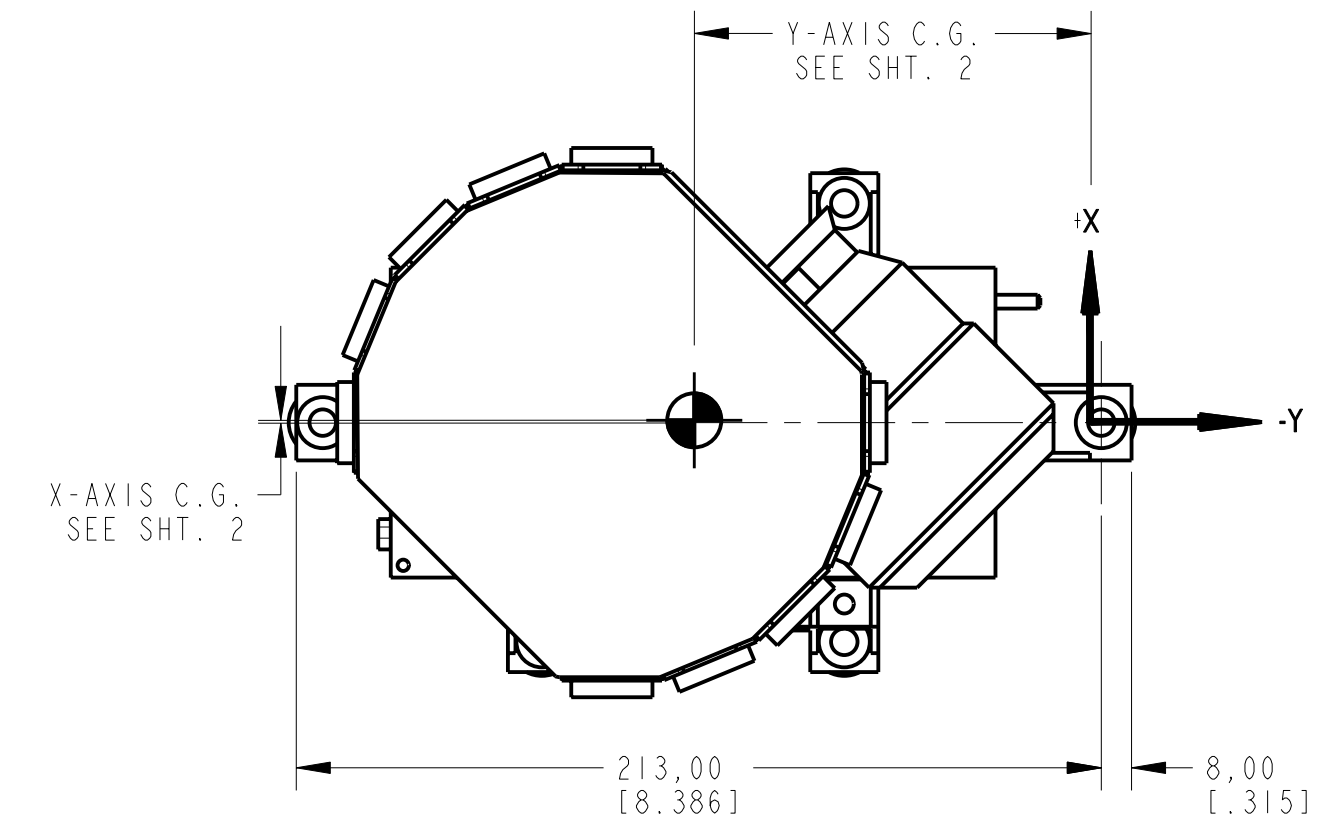
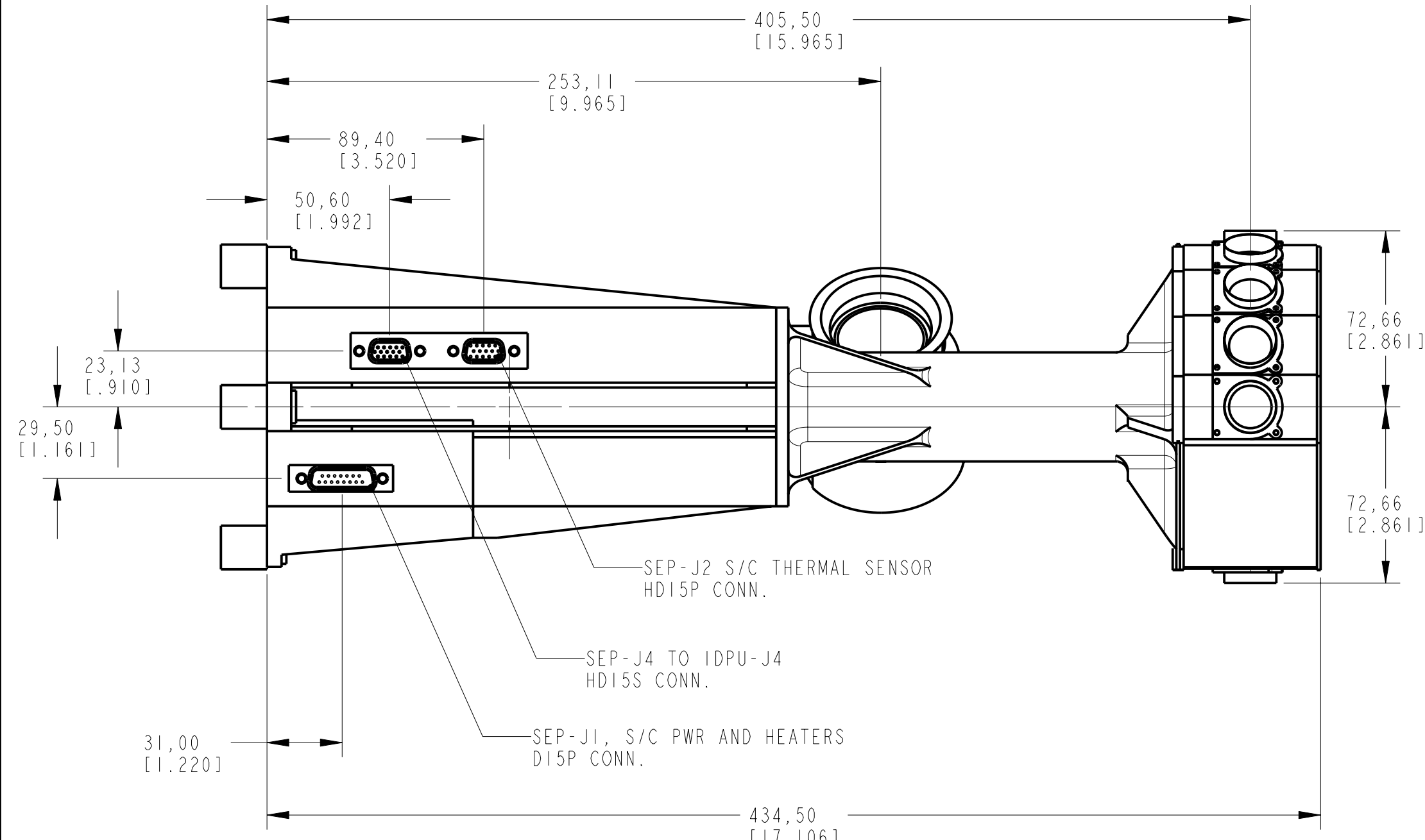
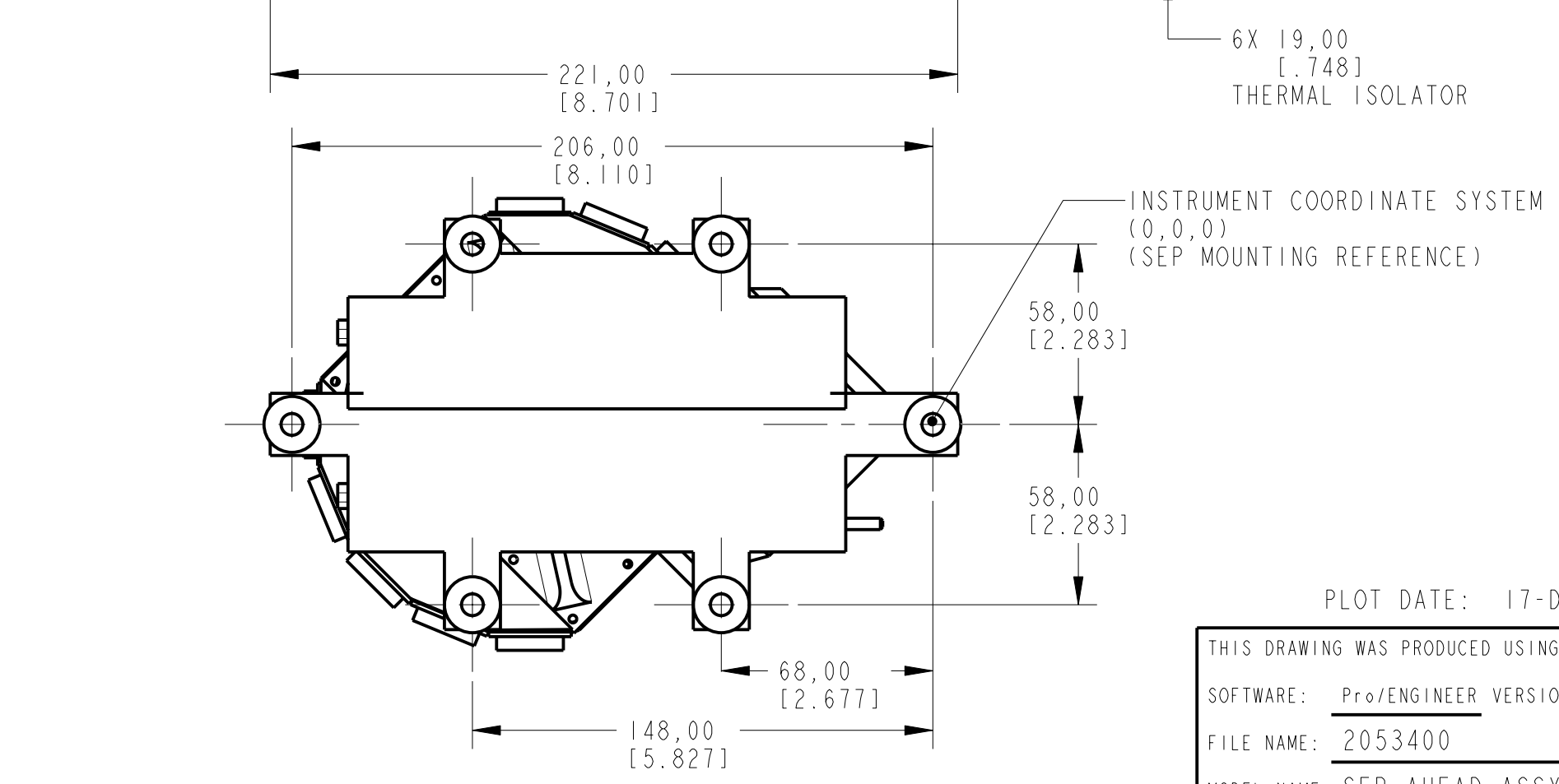
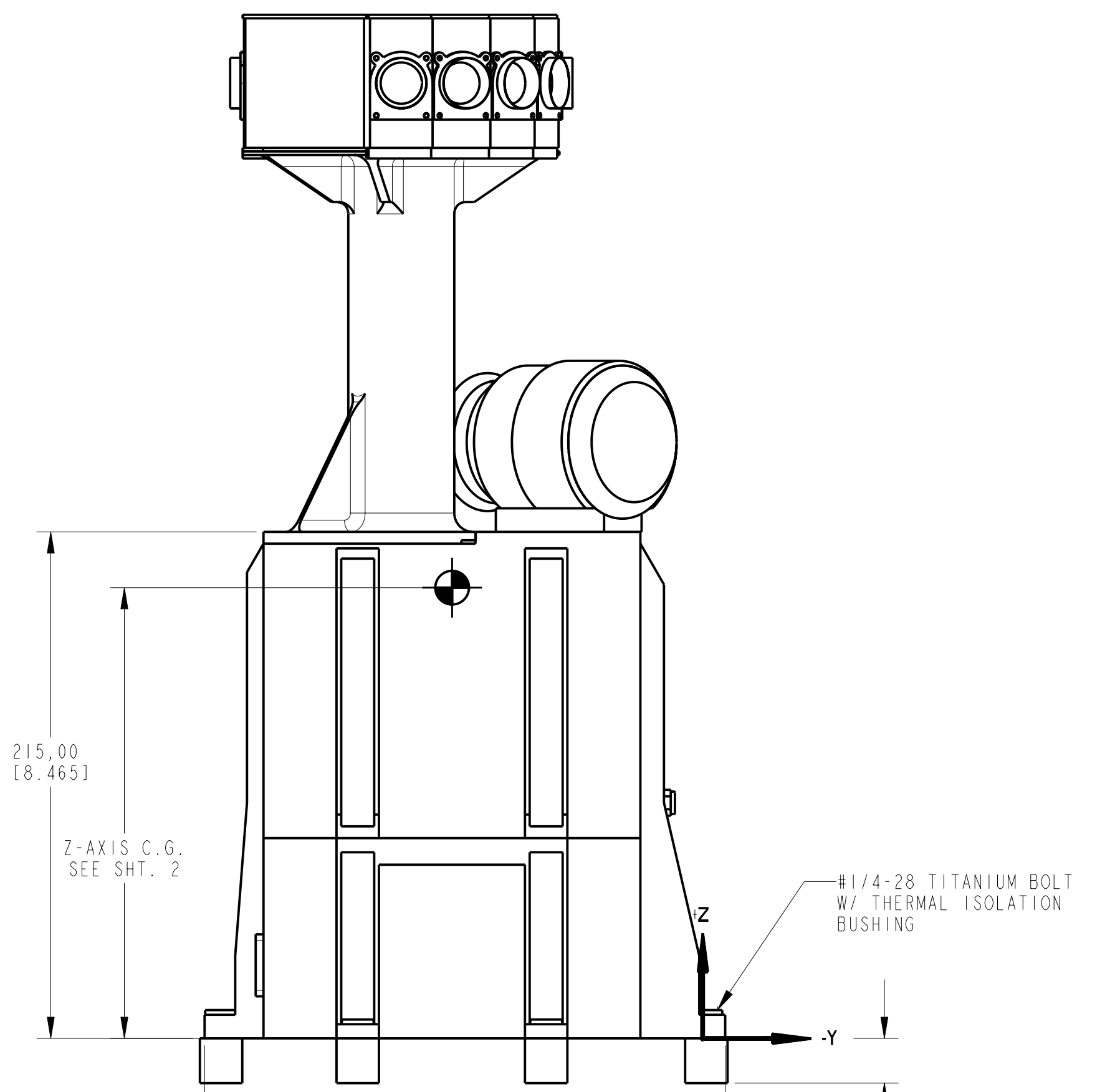


REVISION				
SYM	ZONE	DESCRIPTION	DATE	APPROVAL
A	-	REVISED MASS PROPERTIES AND MOVED TO SHT. 2; REMOVED ALL SPACECRAFT REFERENCES AND COORDINATES; ADDED INFO. FOR BOTH AHEAD AND BEHIND SPACECRAFT; DELETED SHT. 3.	11/15/02	



SEP MAIN ASSEMBLY
AHEAD CONFIGURATION SHOWN;
BEHIND CONFIGURATION HAS TELESCOPES
ROTATED 90° AND IS SHOWN ON SHT. 2



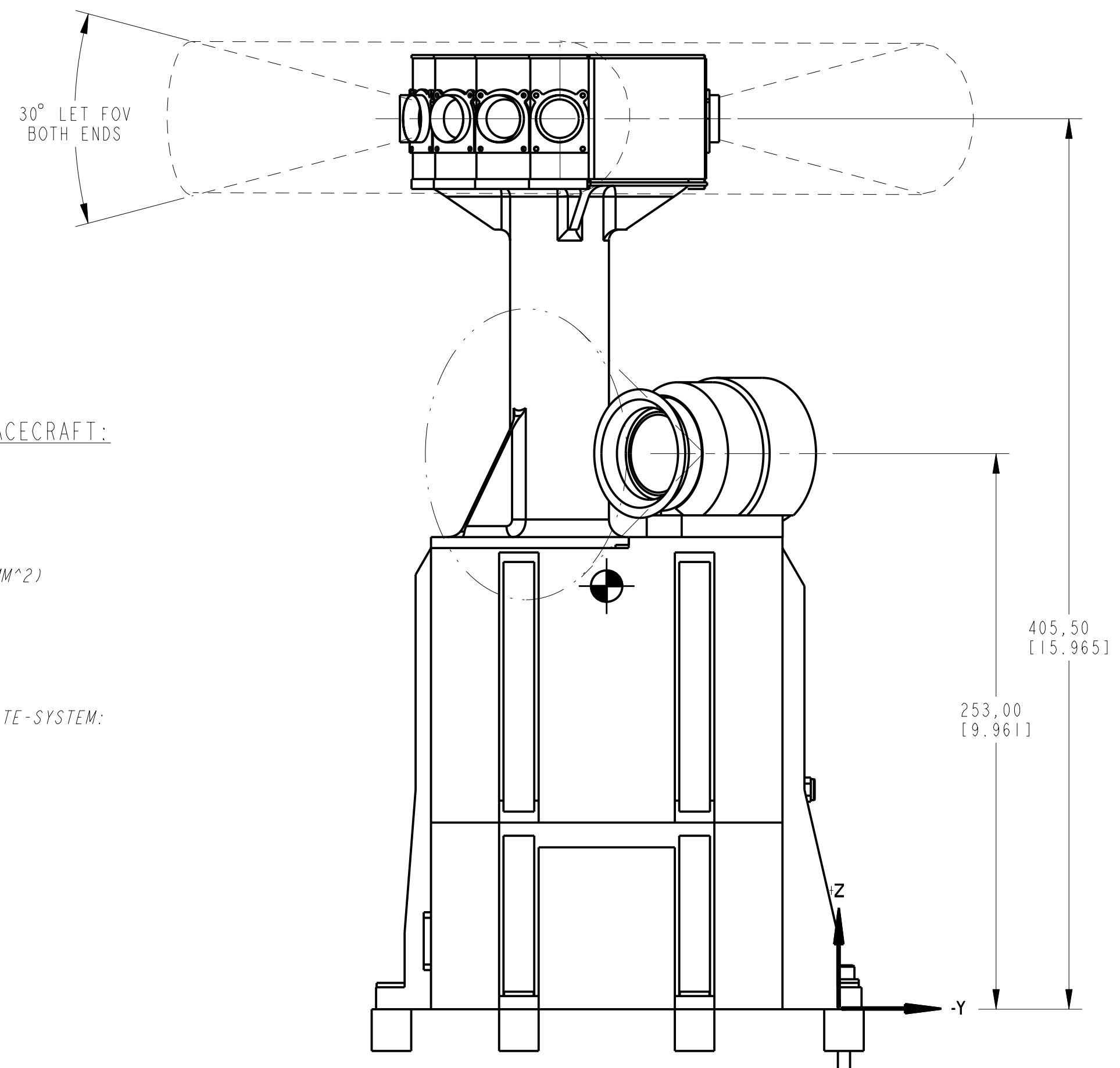
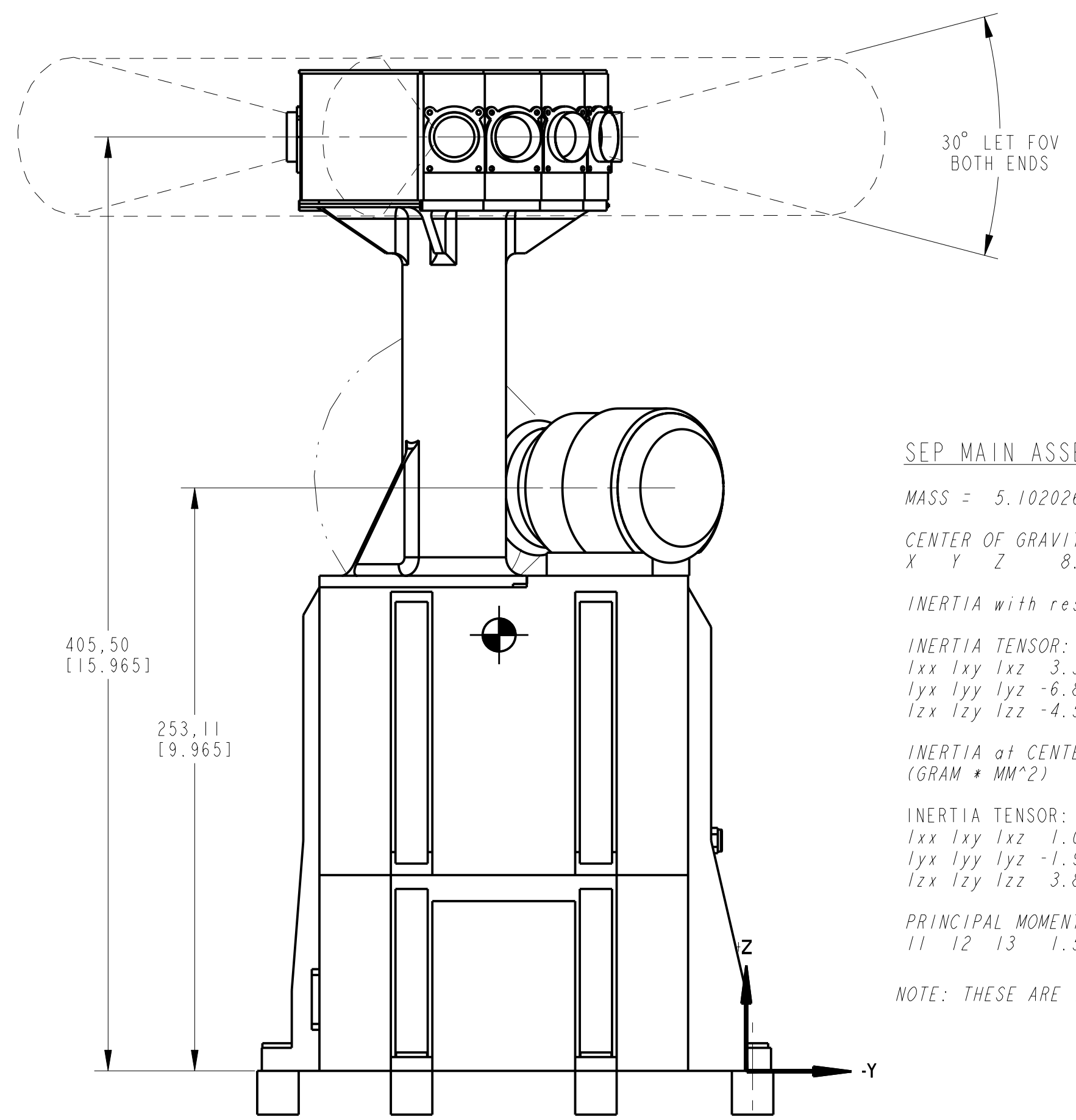
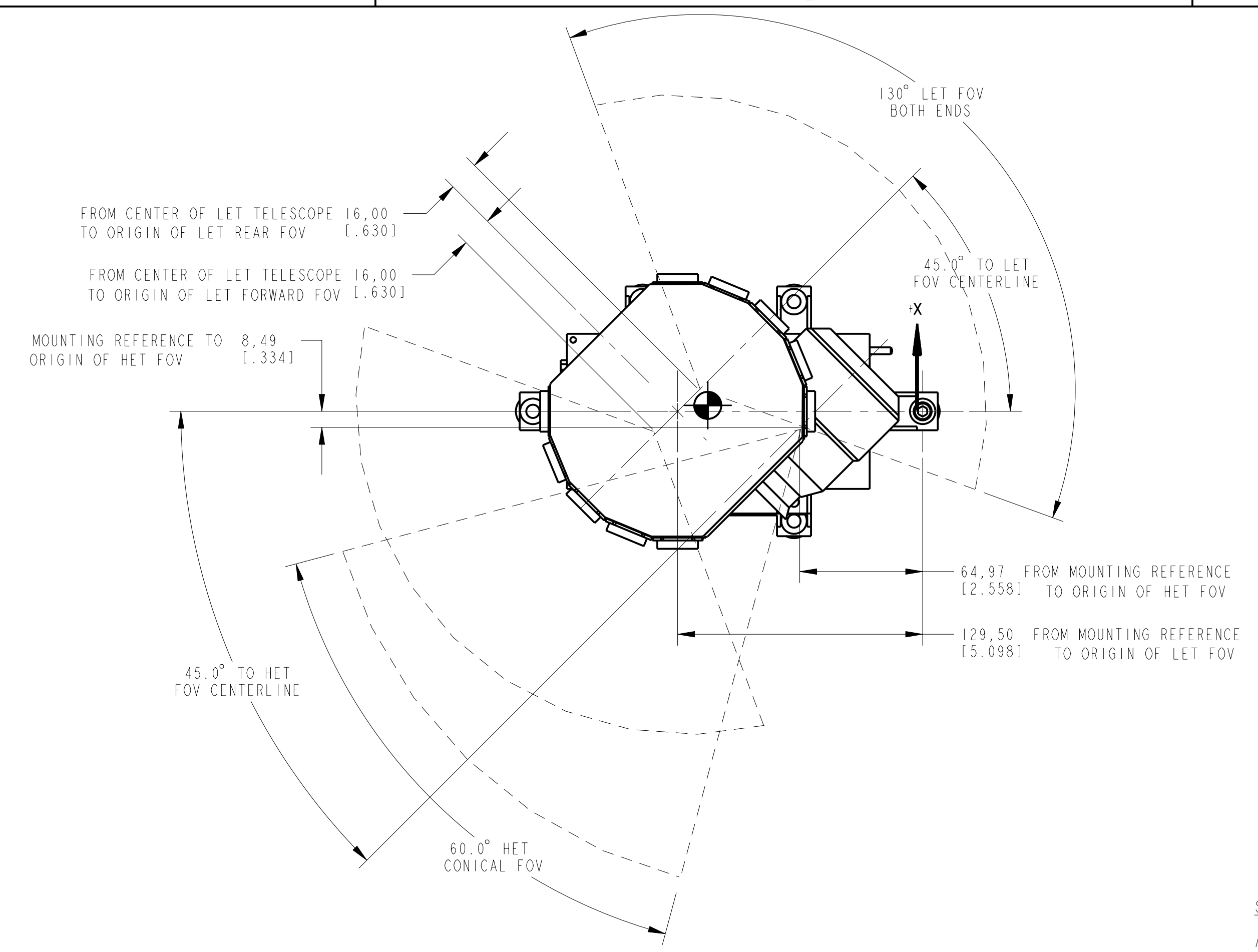
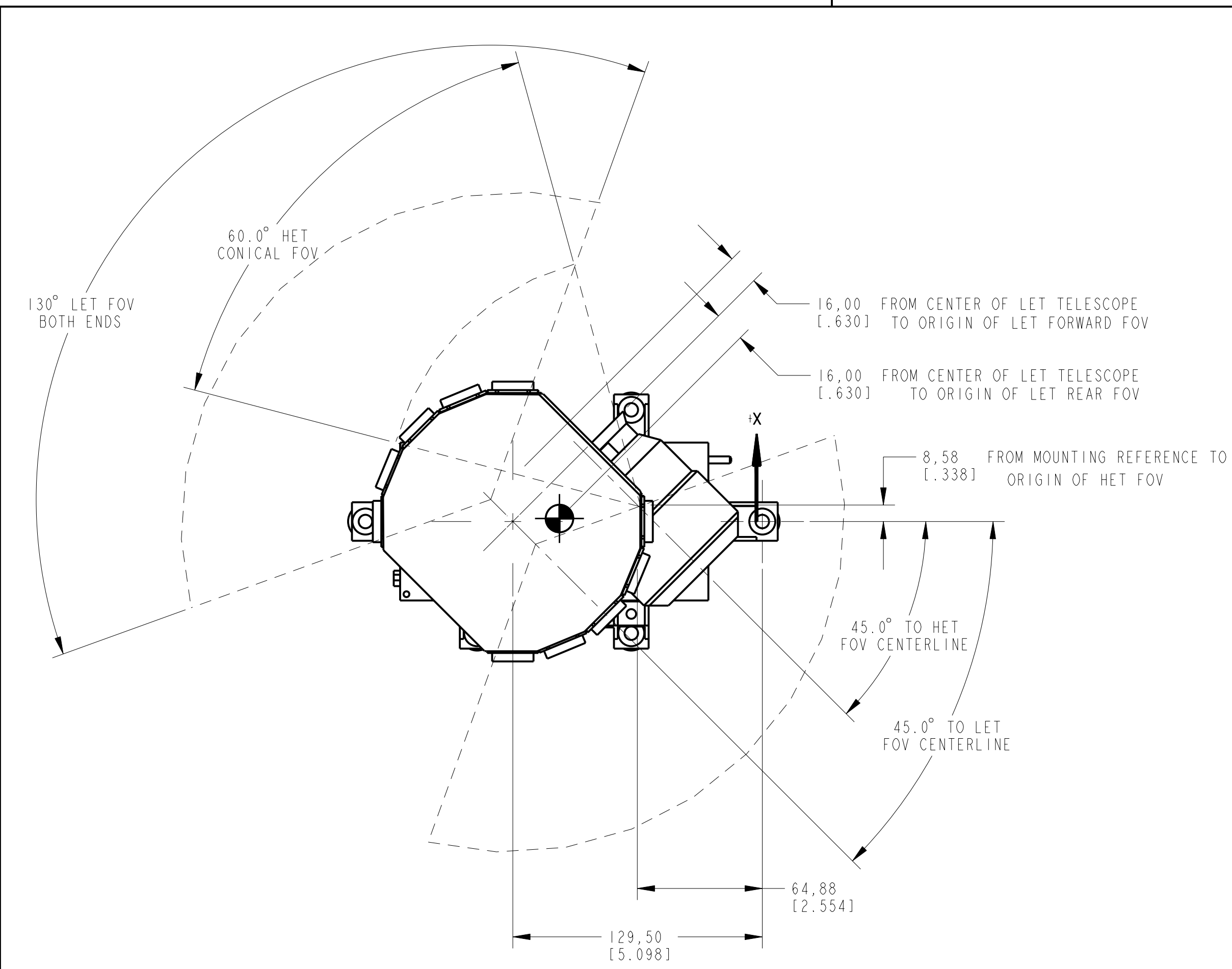
NOTES: UNLESS OTHERWISE NOTED

- 1.) ALL DIMENSIONS ARE SHOWN AS MILLIMETERS [INCHES].
- 2.) CALCULATED EXPERIMENT MASS: 5.10 Kg (SEE SHT. 2)
- 3.) CALCULATIONS FOR MASS PROPERTIES ARE SHOWN ON SHEET 2.
- 4.) INSTRUMENT WILL BE MOUNTED TO SPACECRAFT ON THERMALLY ISOLATING ULTEM BUSHINGS AND HELD TO SPACECRAFT PANEL WITH (6) 1/4-28UNF TITANIUM BOLTS, TORQUED TO TBD.
- 5.) INSTRUMENTS FIELDS OF VIEW ARE TO BE KEPT CLEAR FROM OBSTRUCTIONS WITHOUT PRIOR CONSENT FROM THE INSTRUMENT TEAM.
- 6.) RED TAG COVERS WILL PROTECT INSTRUMENT APERTURES FOR HET AND BOTH ENDS OF LET AND MUST BE REMOVED JUST PRIOR TO LAUNCH.
- 7.) THERE ARE NO GREEN TAG COVERS FOR THIS INSTRUMENT
- 8.) PURGE ATTACHMENT FITTING WILL ACCEPT Ø.250" LINE AND SHALL PROVIDE A CONSTANT PRESSURE OF 15 PSI..

DIMENSIONS ARE IN MILLIMETERS

ITEM NO.	REQ'D	REQ'D	PART NO.	DESCRIPTION	MATERIAL	MATERIAL SPEC & NO.
LIST OF MATERIAL						
TOLERANCES: _XX .XXX <= FRACTIONS ±0.10 ±0.05 ±0.5 ±1/16						
REMOVE ALL BURRS AND SHARP EDGES R.010 OR CHAMFER MAX.						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS						
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION Goddard Space Flight Center Greenbelt, Maryland						
DRAWING INTERPRETED PER GSFC-x673-64-1						
DESIGNER SHUMAN						
DRAWN SHUMAN						
CHECKED VONROSENINGE						
APPROVED						
APPROVED-STRESS						
APPROVED-ENGINEER						
THIS DRAWING WAS PRODUCED USING SOFTWARE: Pro/ENGINEER VERSION: 2001 FILE NAME: 2053400 MODEL NAME: SEP-AHEAD-ASSY						
PLOT DATE: 17-Dec-02						
NEXT ASSEMBLY USED ON						
STEREO S/C						
GD 2053400 A						
CODE: 663 SCALE: 0.5 WEIGHT: SHEET: 1 OF 2						

SYM		ZONE		REVISION		DATE	APPROVAL
-	-	-	-	SEE SHT 1			



SEP MAIN ASSEMBLY MASS PROPERTIES FOR THE AHEAD SPACECRAFT:

MASS = 5.1020266e+03 GRAM

CENTER OF GRAVITY with respect to INSTRUMENT-COORDINATE-SYSTEM:
 X Y Z 8.8811329e-01 1.0787976e+02 1.8532227e+02 MM

INERTIA with respect to INSTRUMENT-COORDINATE-SYSTEM: (GRAM * MM²)

INERTIA TENSOR:
 Ixx Ixy Ixz 3.3681746e+08 -6.8425696e+05 -4.5750588e+05
 Iyx Iyy Iyz -6.8425696e+05 2.6970775e+08 -1.0585722e+08
 Izx Izy Izz -4.5750588e+05 -1.0585722e+08 7.5408837e+07

INERTIA at CENTER OF GRAVITY with respect to INSTRUMENT-COORDINATE-SYSTEM:
 (GRAM * MM²)

INERTIA TENSOR:
 Ixx Ixy Ixz 1.0221410e+08 -1.9543461e+05 3.8222224e+05
 Iyx Iyy Iyz -1.9543461e+05 9.4477969e+07 -3.8548458e+06
 Izx Izy Izz 3.8222224e+05 -3.8548458e+06 1.6027210e+07

PRINCIPAL MOMENTS OF INERTIA: (GRAM * MM²)
 I1 I2 I3 1.5836645e+07 9.4660873e+07 1.0222176e+08

NOTE: THESE ARE INSTRUMENT COORDINATES, NOT S/C COORDINATES.

SEP MAIN ASSEMBLY MASS PROPERTIES FOR THE BEHIND SPACECRAFT:

MASS = 5.1020909e+03 GRAM

CENTER OF GRAVITY with respect to INSTRUMENT-COORDINATE-SYSTEM:
 X Y Z 1.3821519e+00 1.0792714e+02 1.8531180e+02 MM

INERTIA with respect to INSTRUMENT-COORDINATE-SYSTEM: (GRAM * MM²)

INERTIA TENSOR:
 Ixx Ixy Ixz 3.3684932e+08 -5.2045807e+05 -1.2166984e+06
 Iyx Iyy Iyz -5.2045807e+05 2.6968232e+08 -1.0594078e+08
 Izx Izy Izz -1.2166984e+06 -1.0594078e+08 7.5465327e+07

INERTIA at CENTER OF GRAVITY with respect to INSTRUMENT-COORDINATE-SYSTEM:
 (GRAM * MM²)

INERTIA TENSOR:
 Ixx Ixy Ixz 1.0221063e+08 2.4062953e+05 9.0095321e+04
 Iyx Iyy Iyz 2.4062953e+05 9.4464408e+07 -3.8980818e+06
 Izx Izy Izz 9.0095321e+04 -3.8980818e+06 1.6025057e+07

PRINCIPAL MOMENTS OF INERTIA: (GRAM * MM²)
 I1 I2 I3 1.5831696e+07 9.4650290e+07 1.0221811e+08

NOTE: THESE ARE INSTRUMENT COORDINATES, NOT S/C COORDINATES.

SEP MAIN ASSEMBLY CONFIGURATION FOR THE AHEAD SPACECRAFT

SEP MAIN ASSEMBLY CONFIGURATION FOR THE BEHIND SPACECRAFT

PLOT DATE: 17-Dec-02

DIMENSIONS ARE IN MILLIMETERS

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION		Goddard Space Flight Center		Greenbelt, Maryland
NAME	INIT.	DATE	DRAWING INTERPRETED PER GSFC-4673-64-1	
DESIGNER SHUMAN			TITLE	
DRAWN SHUMAN			INTERFACE CONTROL DRAWING SEP MAIN ASSEMBLY STEREO SPACECRAFT	
CHECKED VONROSEVINGE				
APPROVED				
APPROVED				
APPROVED-STRESS			GD	2053400
APPROVED-ENGINEER			CODE: 663	SCALE: 0.500
			SHEET: 2 OF 2	A

GD2053400