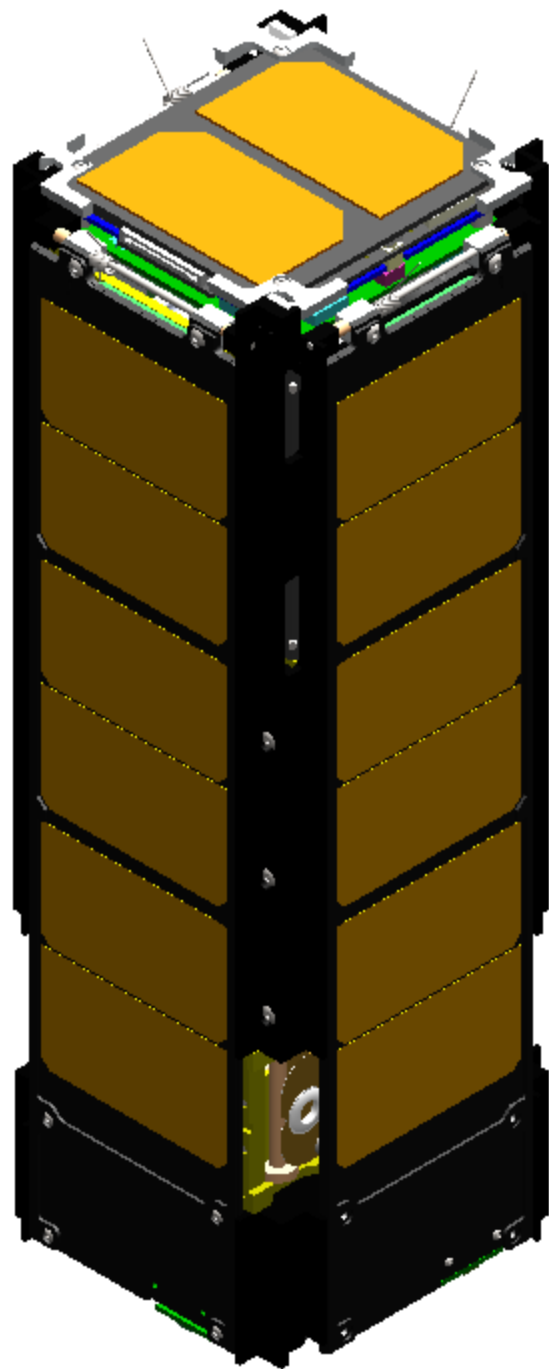


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ECLIPTIC ENTERPRISES CORP. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF ECLIPTIC ENTERPRISES CORP. IS PROHIBITED.

REVISIONS				DWN	ENGR	QA	PROJ	APPROVED	RELEASE DATE
REV.	SHEET	ZONE	DESCRIPTION	R.MUN	R.MUN			R.MUN	02/27/2015
A			INITIAL RELEASE						
B			ADDED SHEET 6	R.MUN	R.MUN			R.MUN	03/05/2015



LIGHTSAIL STOWED CONFIGURATION




LIGHTSAIL DEPLOYED CONFIGURATION
SCALE 1:16

TABLE OF CONTENT	
DESCRIPTION	SHEET
LIGHTSAIL STOWED CONFIGURATION	2
LIGHTSAIL DEPLOYED CONFIGURATION: SOLAR SAIL	3
LIGHTSAIL DEPLOYED CONFIGURATION: CUBESAT	4
TRAC BOOM	5
SAIL DEPLOYMENT MECHANISM: STOWED CONFIG.	6

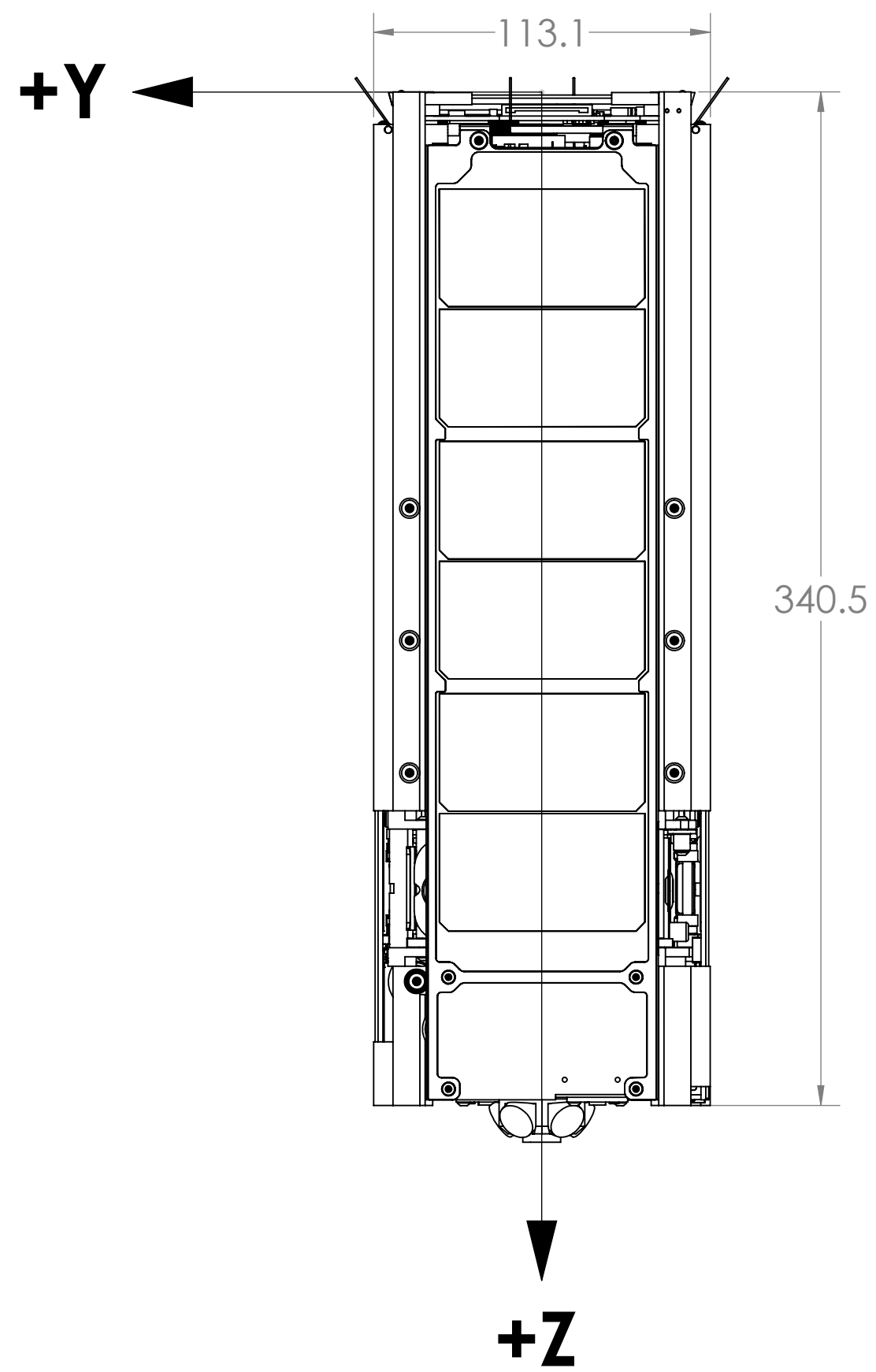
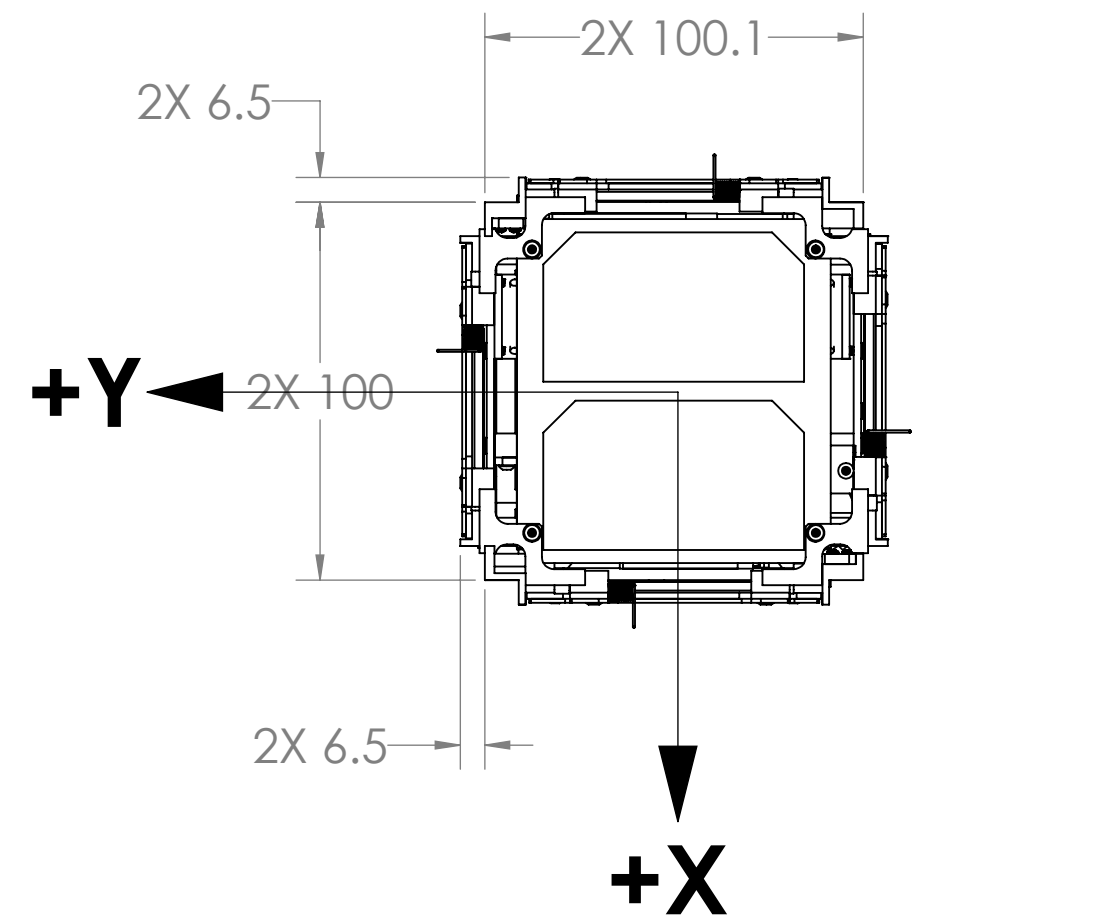
THIS DOCUMENT MAY CONTAIN ITAR CONTROLLED INFORMATION AND/OR COMMERCE CONTROLLED INFORMATION EXPORT RESTRICTIONS MAY APPLY

FILE ATTACHMENT

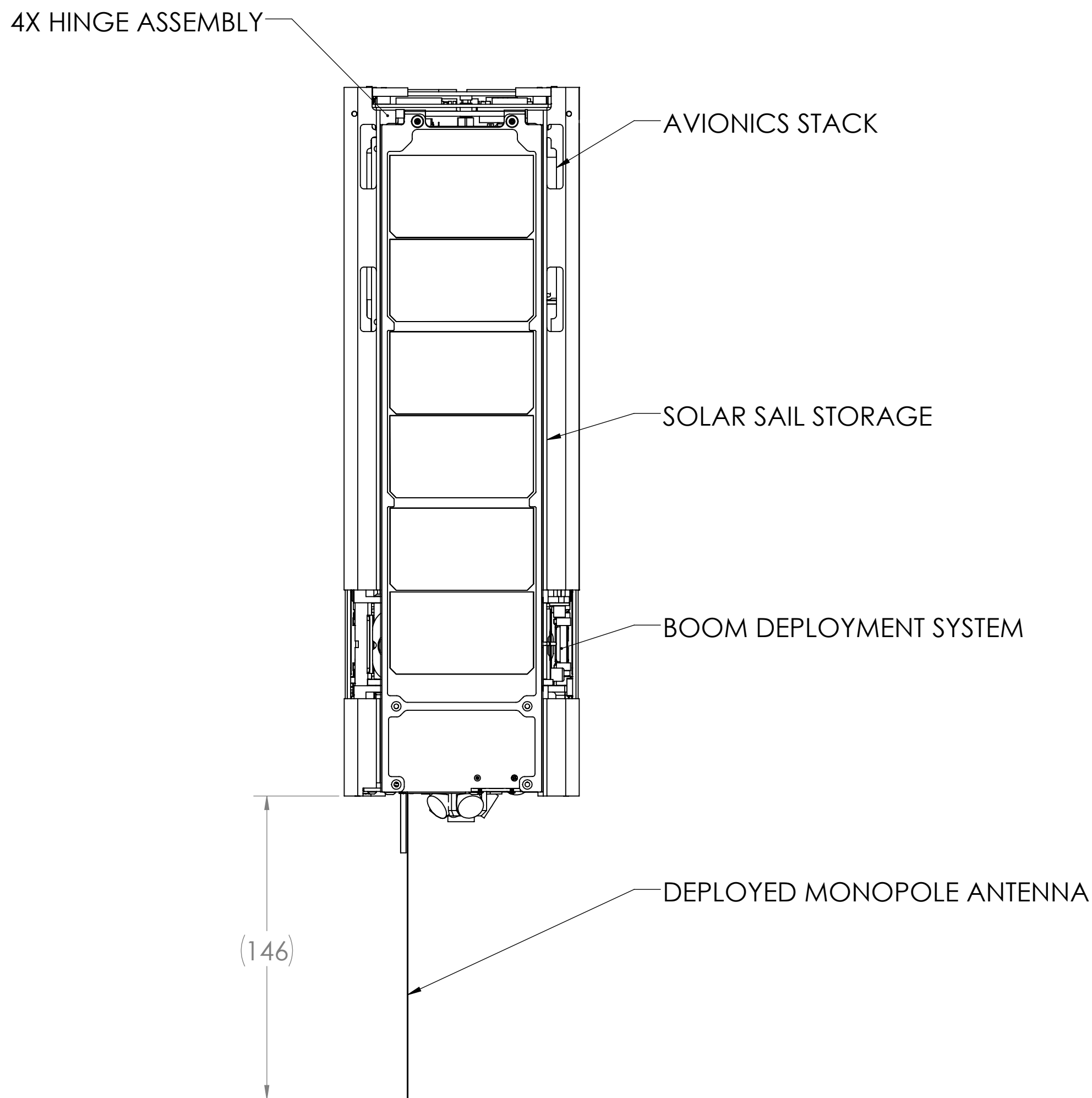
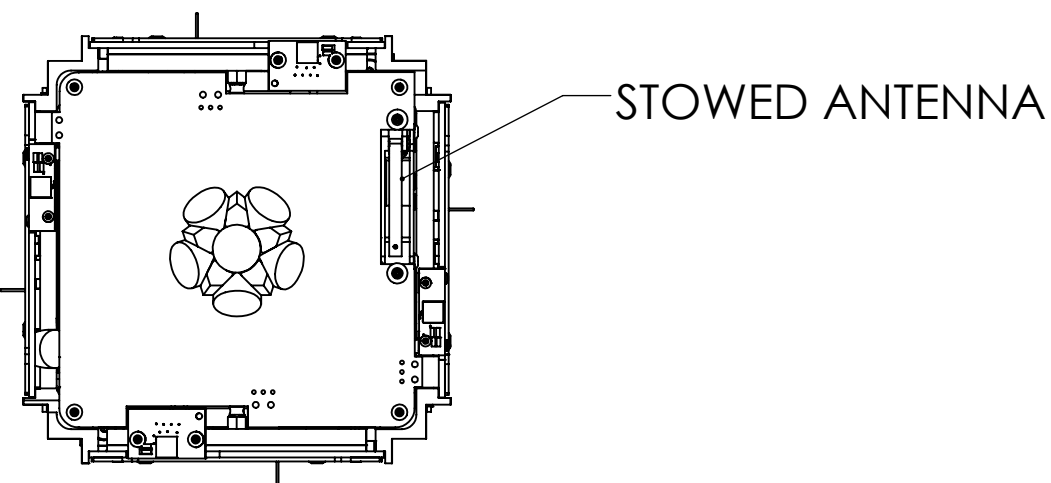
					LIGHTSAIL							
QTY. REQD.		ITEM NO.	PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION			SPECIFICATION		MATERIAL OR NOTE		ZONE
PARTS LIST												
CONTRACT NO		14020		<div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS .XXX ANGLES ±1° .XX ±.02 .XXX ±.010 ±1° MACHINE FINISH <input checked="" type="checkbox"/> DO NOT SCALE DRAWING INTERPRET DWG PER ASME Y14.5M MATERIAL</div>			<div>THIS DRAWING IS CONFIGURATION CONTROL AND APPROVED FOR RELEASE</div> <div>DWN R. MUNAKATA 02/27/2015</div> <div>ENGR DATE</div> <div>QA DATE</div> <div>PROJ DATE</div> <div>APPROVED DATE</div>			<div> ECLIPIC ENTERPRISES CORP. 398 W. Washington Blvd., # 100 Pasadena, CA 91103</div> <div>LIGHTSAIL, 3U CUBESAT, OVERVIEW DRAWING</div>		
LS-B	14020											
LS-A	13018											
NEXT ASSEMBLY	PROJECT CODE											
APPLICATION												
SIZE		D		CAGE CODE		1UJH9		ED022430		REV B		
SCALE		1:2		UNCLASSIFIED		SHEET 1 OF 6						

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ECLIPTIC ENTERPRISES CORP. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF ECLIPTIC ENTERPRISES CORP. IS PROHIBITED.

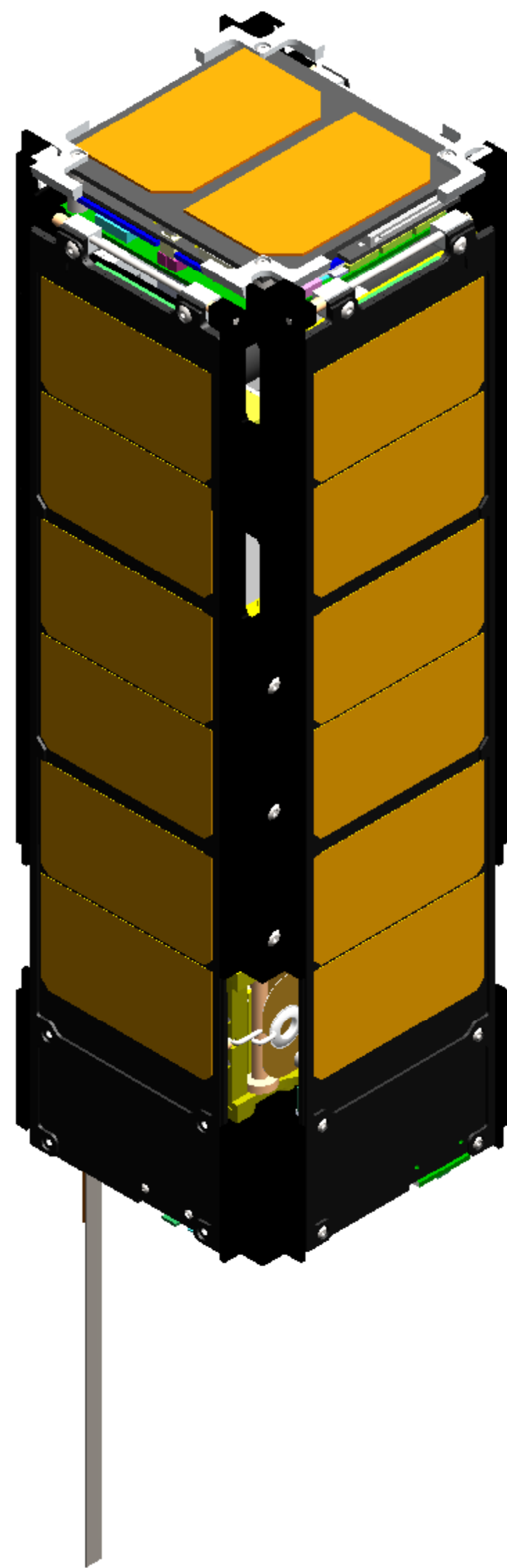
THIS DRAWING IS PRELIMINARY AND NOT UNDER CONFIGURATION CONTROL UNLESS A RED RELEASED STAMP APPEARS HERE.



LIGHTSAIL STOWED CONFIGURATION



LIGHTSAIL STOWED CONFIGURATION
ANTENNA DEPLOYED



THIS DOCUMENT MAY CONTAIN ITAR CONTROLLED INFORMATION AND/OR COMMERCE CONTROLLED INFORMATION EXPORT RESTRICTIONS MAY APPLY

ECLIPTIC ENTERPRISES CORP.
398 W. Washington Blvd., # 100
Pasadena, CA 91103

SIZE	CAGE CODE	REV
D	1UJH9	B
SCALE	1:2	UNCLASSIFIED
SHEET 2 OF 6	REV 5/07	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ECLIPTIC ENTERPRISES CORP. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF ECLIPTIC ENTERPRISES CORP. IS PROHIBITED.

THIS DRAWING IS PRELIMINARY AND NOT UNDER CONFIGURATION CONTROL UNLESS A RED RELEASED STAMP APPEARS HERE.

D

D

C

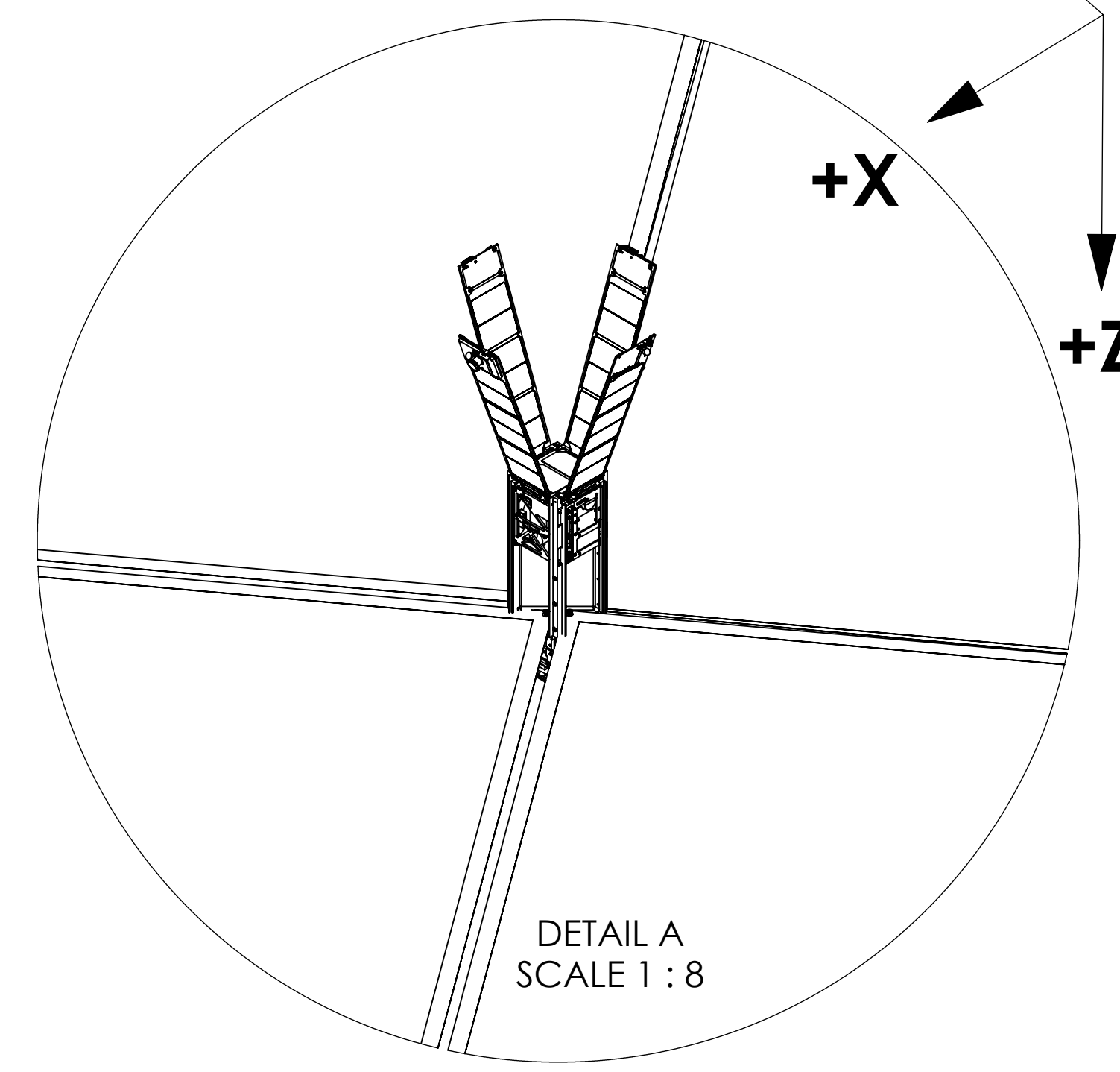
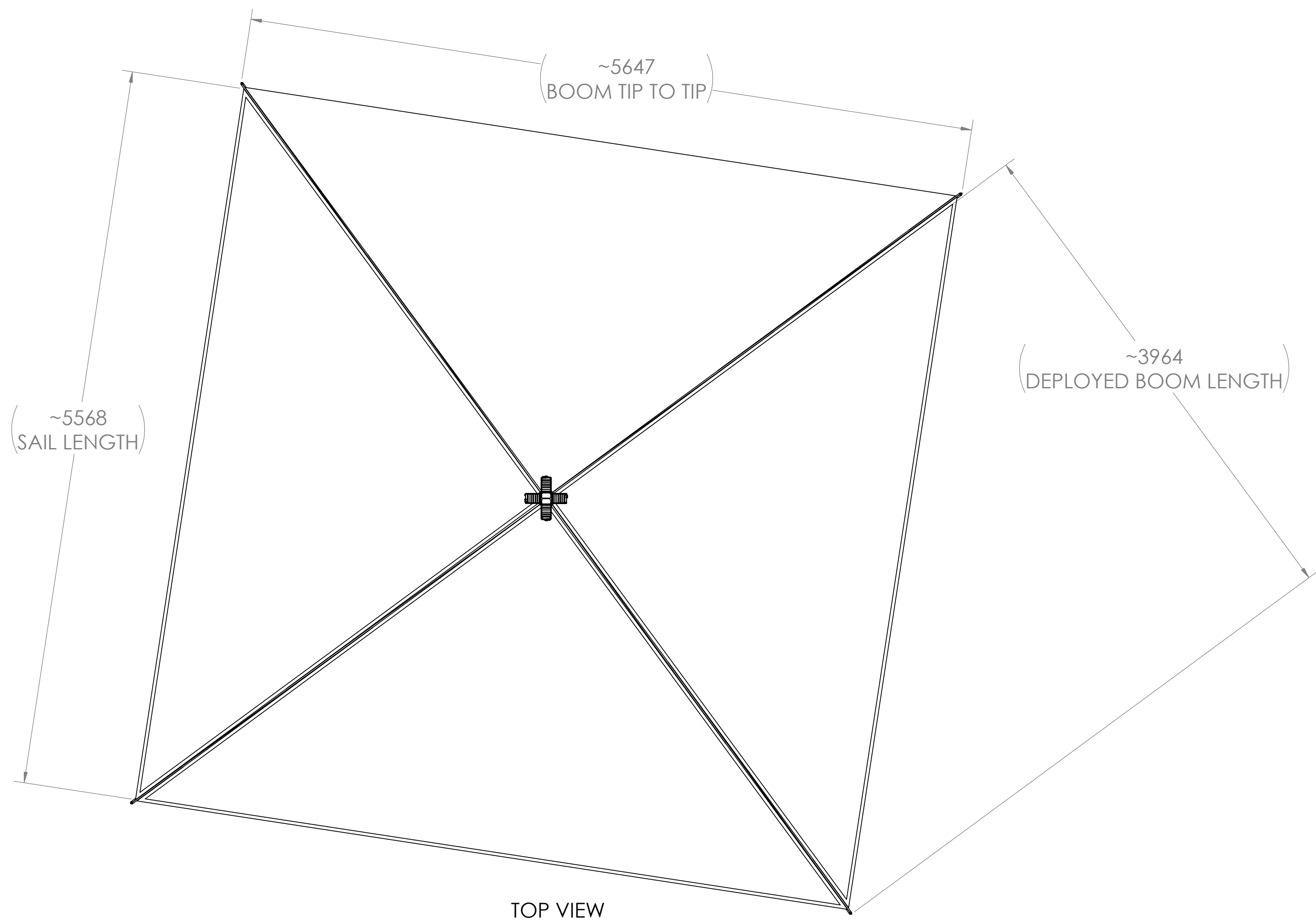
C

B

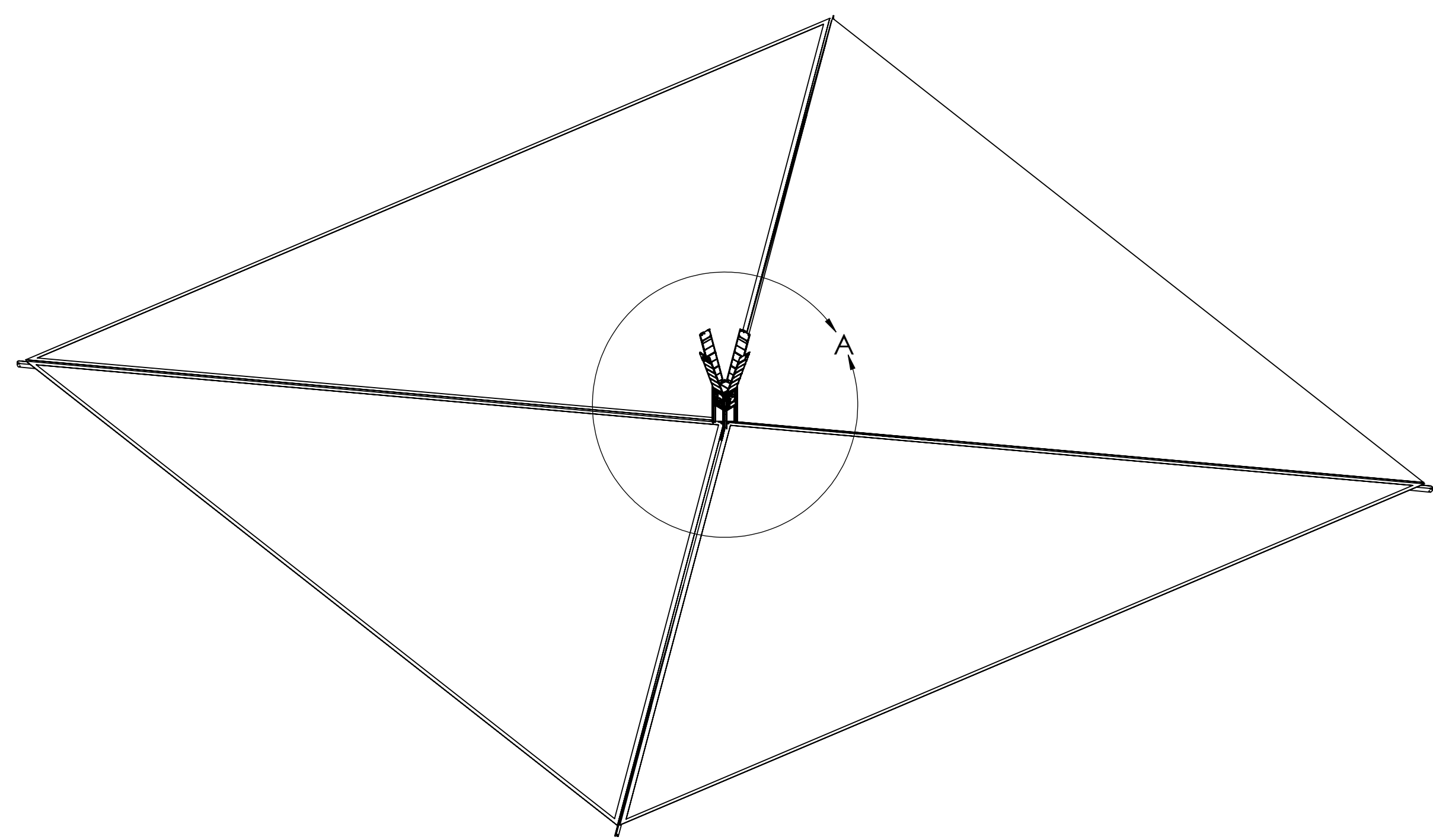
B

A


A

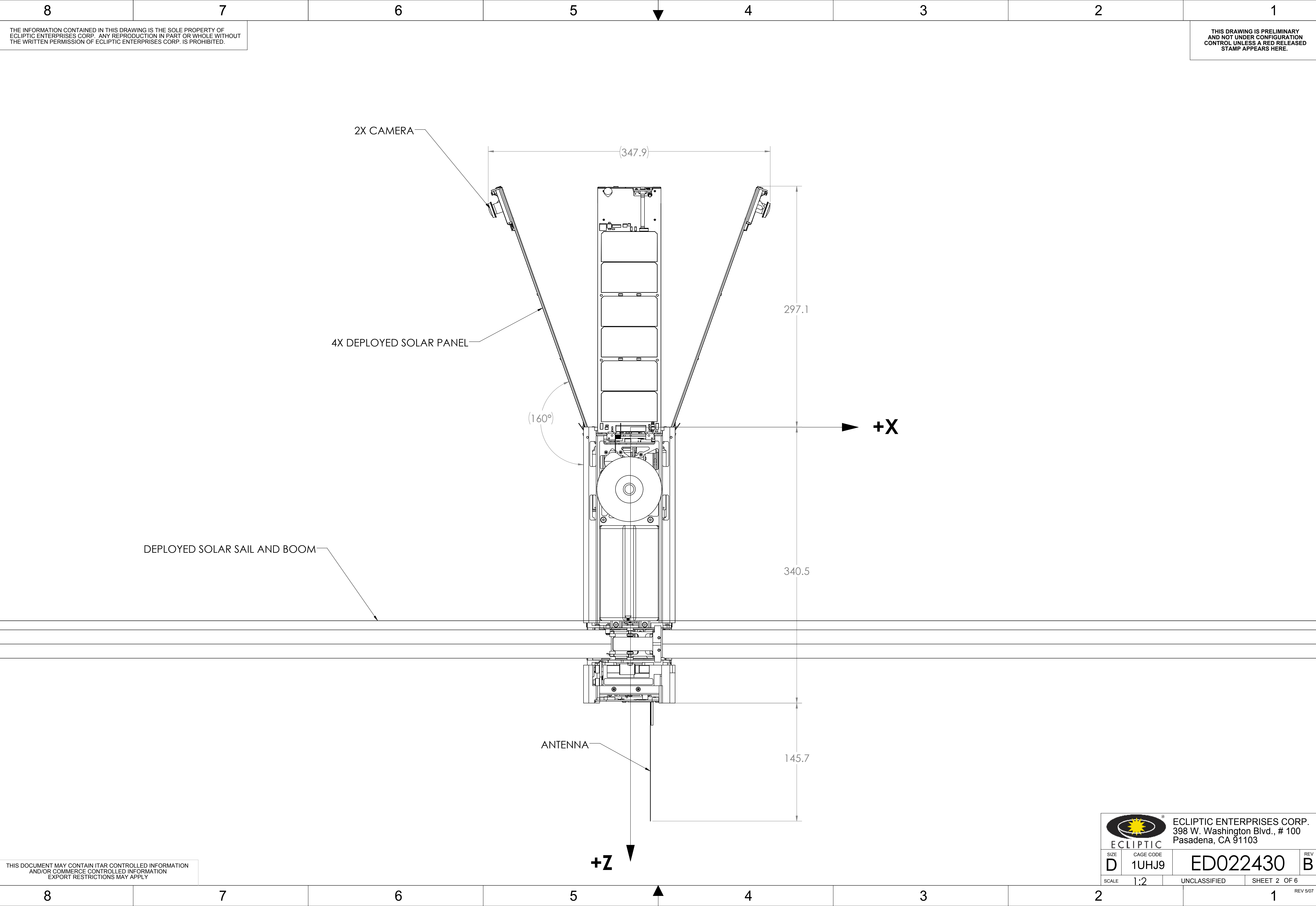


LIGHTSAIL DEPLOYED CONFIGURATION



THIS DOCUMENT MAY CONTAIN ITAR CONTROLLED INFORMATION AND/OR COMMERCE CONTROLLED INFORMATION EXPORT RESTRICTIONS MAY APPLY


		ECLIPTIC ENTERPRISES CORP. 398 W. Washington Blvd., # 100 Pasadena, CA 91103	
SIZE D	CAGE CODE 1UHV9	ED022430	REV B
SCALE 1:25	UNCLASSIFIED		SHEET 2 OF 6 REV 5/07



THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ECLIPTIC ENTERPRISES CORP. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF ECLIPTIC ENTERPRISES CORP. IS PROHIBITED.

THIS DRAWING IS PRELIMINARY AND NOT UNDER CONFIGURATION CONTROL UNLESS A RED RELEASED STAMP APPEARS HERE.

THIS DOCUMENT MAY CONTAIN ITAR CONTROLLED INFORMATION AND/OR COMMERCE CONTROLLED INFORMATION EXPORT RESTRICTIONS MAY APPLY

		ECLIPTIC ENTERPRISES CORP. 398 W. Washington Blvd., # 100 Pasadena, CA 91103	
SIZE D	CAGE CODE 1UJH9	ED022430	REV B
SCALE 1:2	UNCLASSIFIED		SHEET 2 OF 6 REV 5/07

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
ECLIPTIC ENTERPRISES CORP. ANY REPRODUCTION IN PART OR WHOLE WITHOUT
THE WRITTEN PERMISSION OF ECLIPTIC ENTERPRISES CORP. IS PROHIBITED.

**THIS DRAWING IS PRELIMINARY
AND NOT UNDER CONFIGURATION
CONTROL UNLESS A RED RELEASED
STAMP APPEARS HERE.**

THIS DOCUMENT MAY CONTAIN ITAR CONTROLLED INFORMATION
AND/OR COMMERCE CONTROLLED INFORMATION
EXPORT RESTRICTIONS MAY APPLY



ECLIPTIC ENTERPRISES CORP.
398 W. Washington Blvd., # 100
Pasadena, CA 91103

SIZE D	CAGE CODE 1UHH9	ED022430		REV B
SCALE 1:6	UNCLASSIFIED		SHEET 2 OF 6	

EV 5/07

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF ECLIPTIC ENTERPRISES CORP. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF ECLIPTIC ENTERPRISES CORP. IS PROHIBITED.

THIS DRAWING IS PRELIMINARY AND NOT UNDER CONFIGURATION CONTROL UNLESS A RED RELEASED STAMP APPEARS HERE.

D

D

C

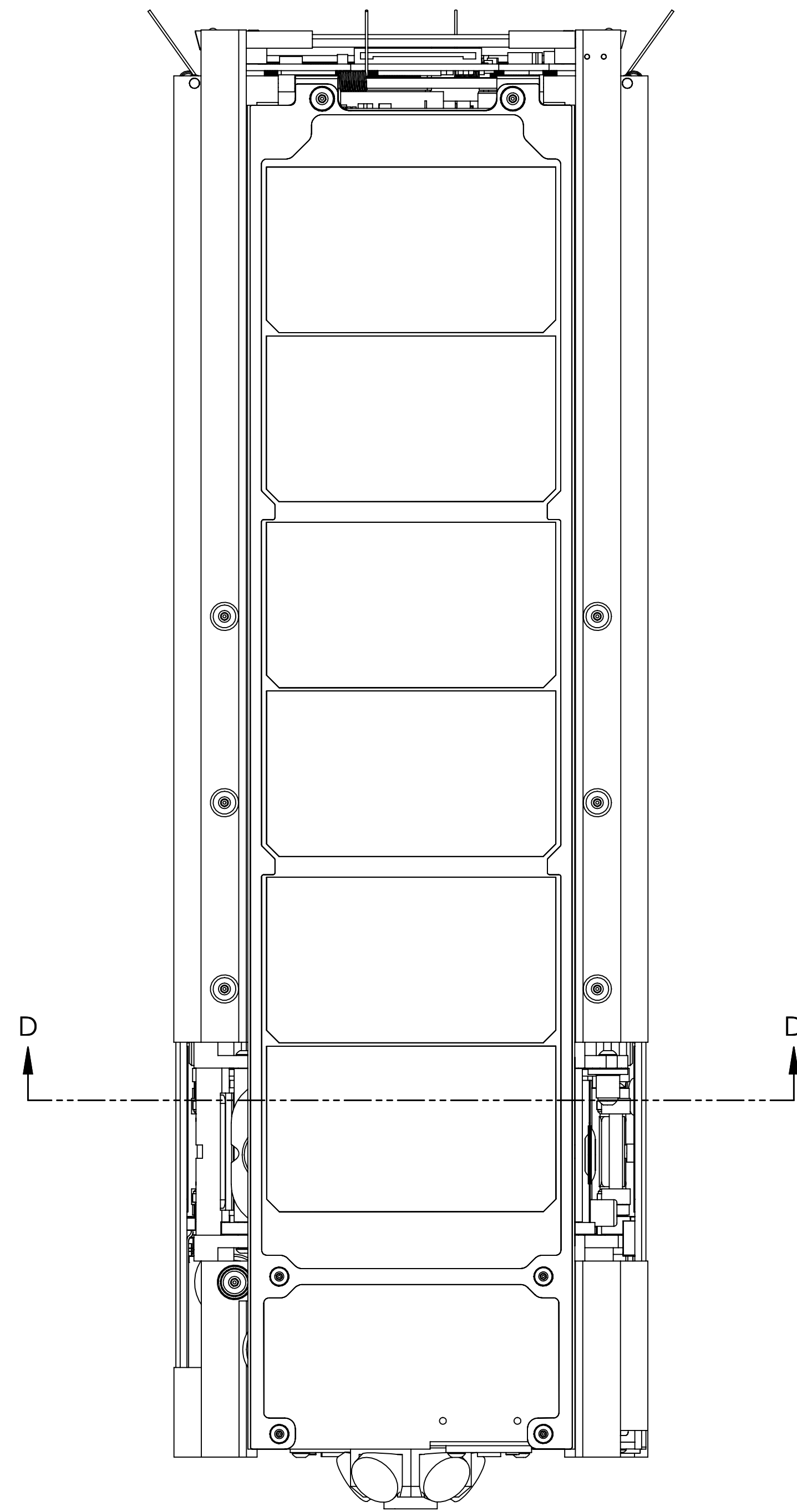
C

B

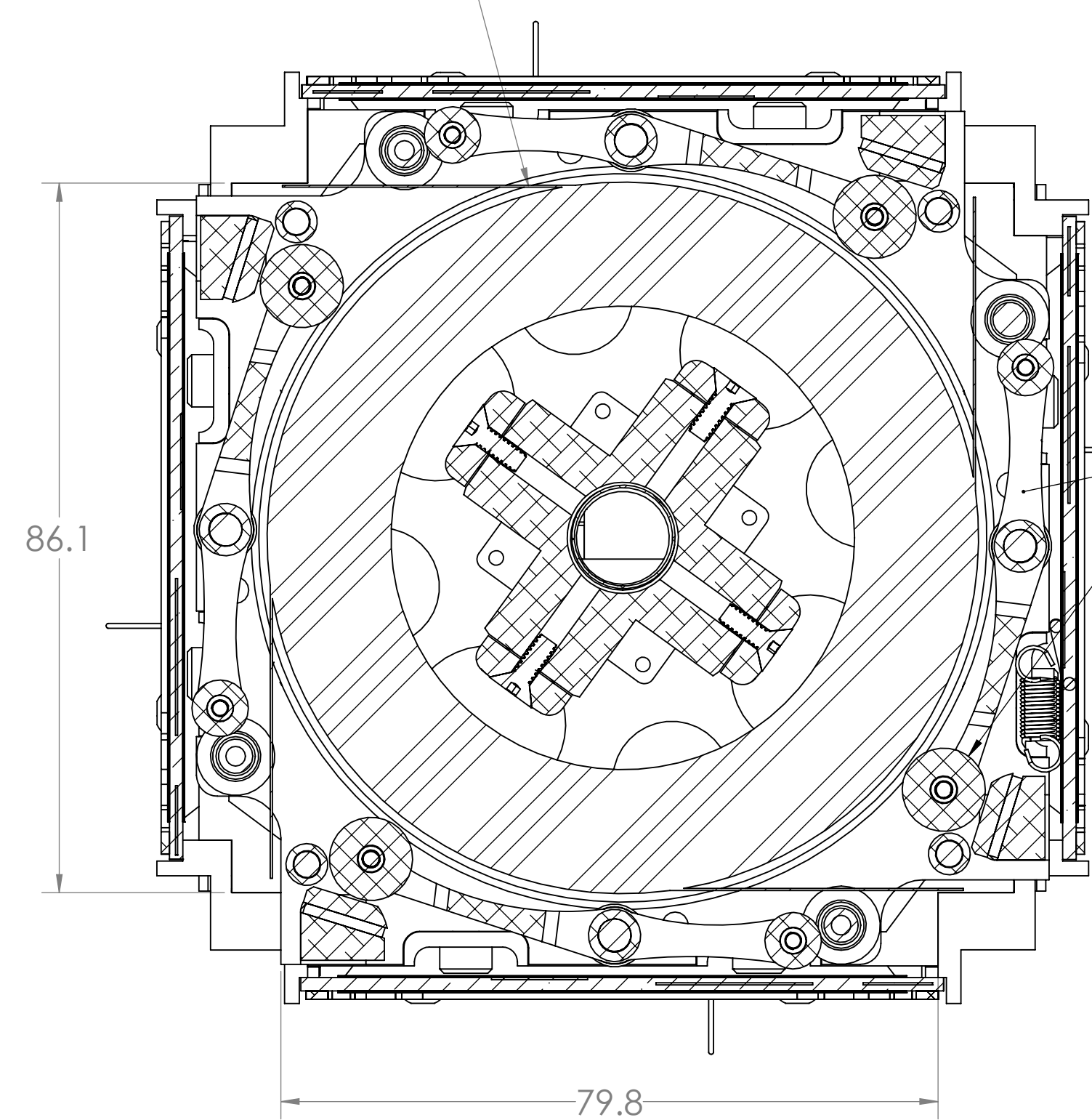
B

A

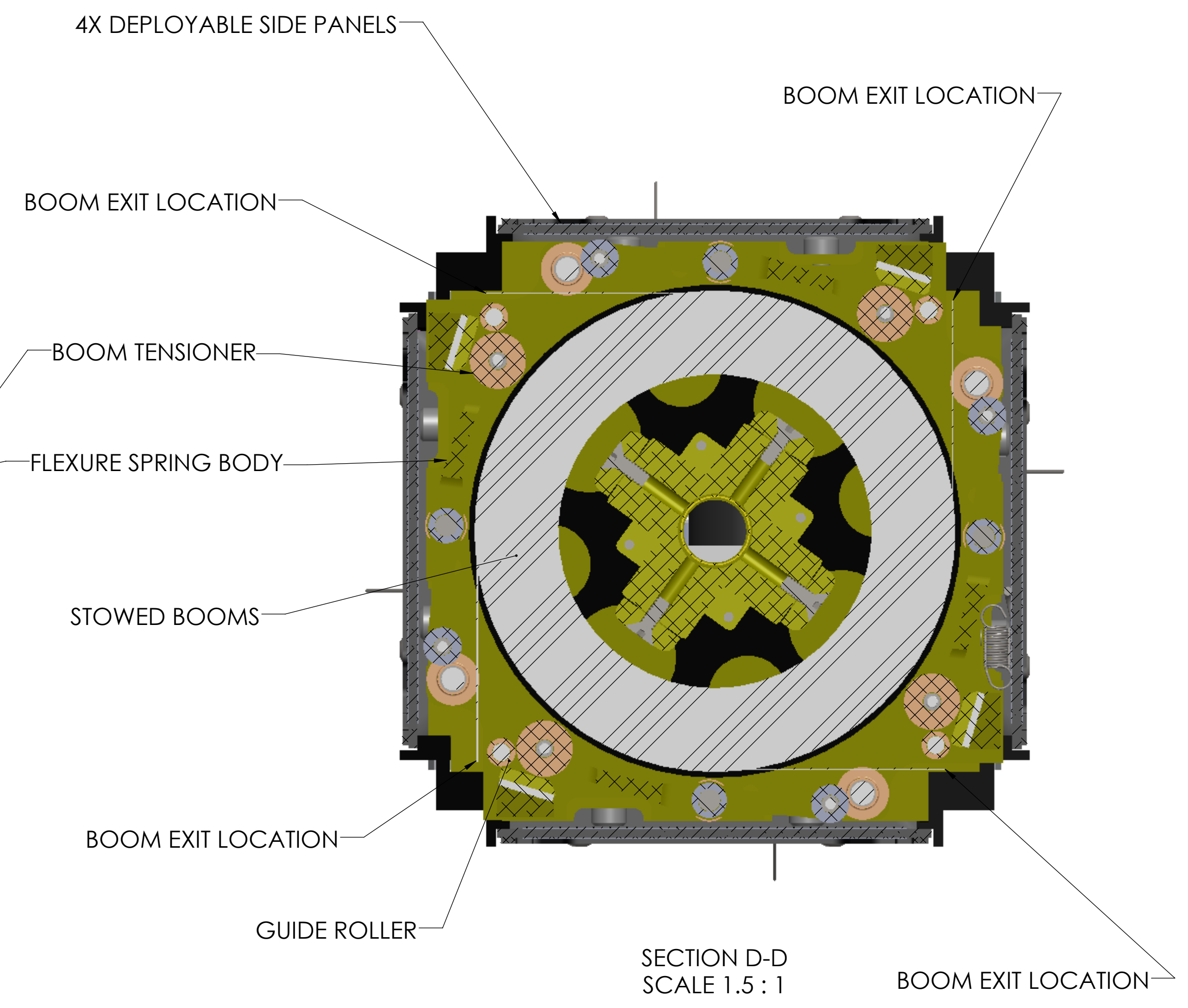
A



(ϕ 88 STOWED BOOM DIAMETER APPROX.)




SECTION D-D
SCALE 1.5 : 1



SECTION D-D
SCALE 1.5 : 1

THIS DOCUMENT MAY CONTAIN ITAR CONTROLLED INFORMATION AND/OR COMMERCE CONTROLLED INFORMATION EXPORT RESTRICTIONS MAY APPLY

		ECLIPTIC ENTERPRISES CORP. 398 W. Washington Blvd., # 100 Pasadena, CA 91103	
SIZE D	CAGE CODE 1UJH9	ED022430	REV B
SCALE 1:1	UNCLASSIFIED	SHEET 2 OF 6 REV 5/07	