

Rev	Description	Date	Initials
A	First release	22 Sep 2014	GLEB
B	Updated wording for 6U XL	23 Sep 2014	GLEB
C	Added 12U XL information	01 Sep 2016	GLEB

ISIS Advised CubeSat Basic Dimensions
 Applicable for ISIS satellite dispenser systems
 (Both ISIPOD and QuadPack)

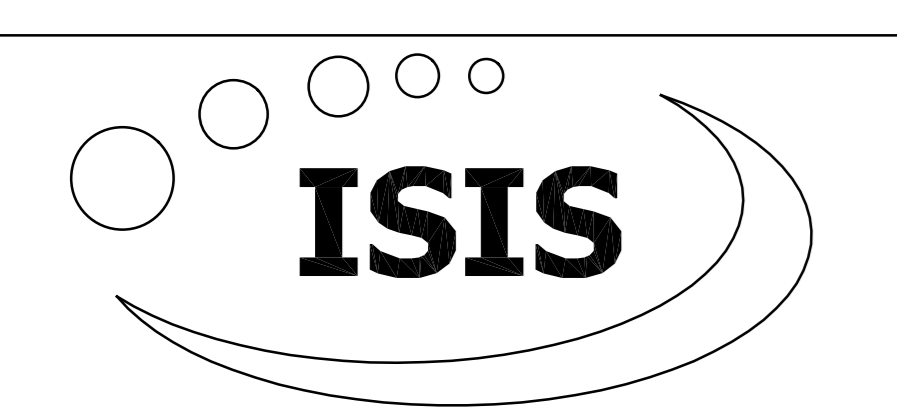
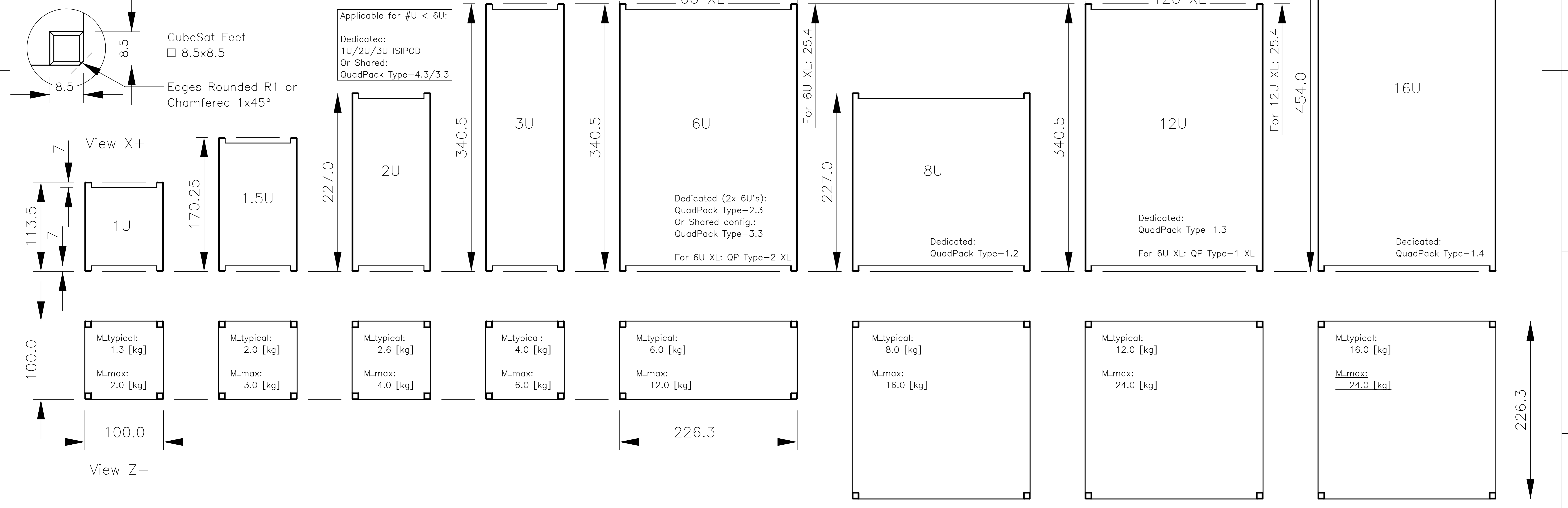
Inline with CubeSat Design Specification, CDS_Rev13

Note: between the ISIS satellite dispenser systems ISIPOD and QuadPack there are small differences in maximum allowable volume, namely:

ISIPOD allows for additional space on top,
 QuadPack allows for more volume at all lateral sides,
 Both systems can handle an even larger "tuna can" on the bottom.

These mentioned additional volume allocations can only be used after consultation with and written approval from ISIS.

- Side envelope clearance (WxD) 88x9 [mm] [see note], for ≤3U; 114.3x10 [mm] for >3U.
- "Tuna can" Ø80x40 [mm] at the Z- face [see note] (for 1U and 1.5U not available).
- Guide rails will have a surface roughness of 1.6 [µm] or less.
- Guide rails will have a surface treatment that prevents cold welding (such as hard anodized aluminium).
- The Centre of Gravity shall be located within a sphere with radius: 20 [mm] from its geometric center.
- CubeSats that share a ISIPOD or QuadPack (slot) must implement separation springs in their CubeSat Feet.
- Each CubeSat must incorporate a minimum of one deployment confirmation switch, located at the CubeSat Feet.
- The CubeSat must be inoperative/inactive during launch.



Project name	ISIS Advised Envelopes	Scale	20%	By		Date		Material	n.a.
Drawing name	The CubeSat Family	Size	A3	Drawn	GLEB	01 Sep 2016		Surface treatment	n.a.
Drawing number	ISIS.STS.0.0.001	Rev	C	Checked	RSLO	01 Sep 2016		Dimensions	[mm]
		Sheets	1/1	Approved	CBER	01 Sep 2016		Tolerance	±0.1

Notes:
 Use "Ctrl"+"5" to select line view