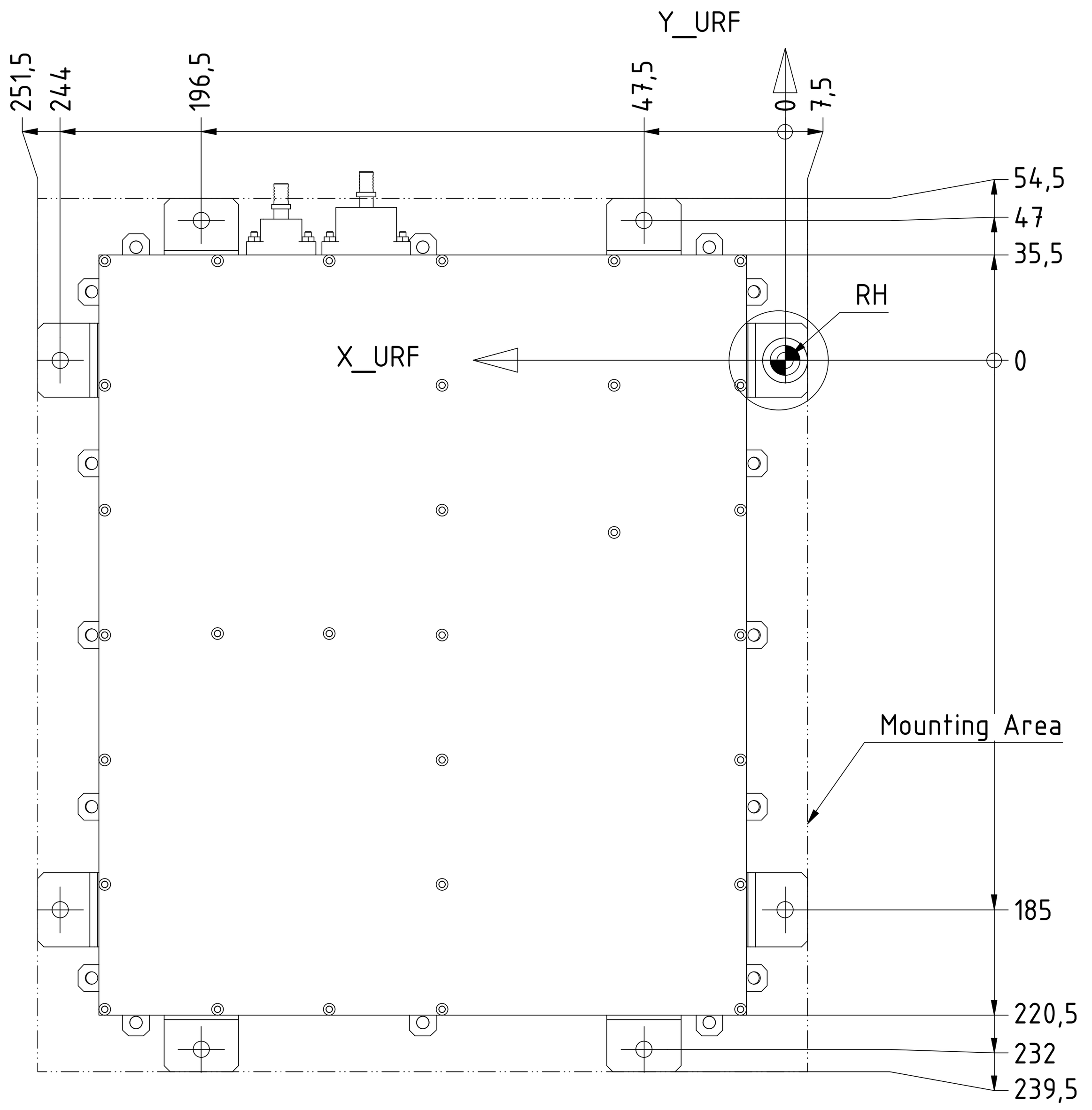
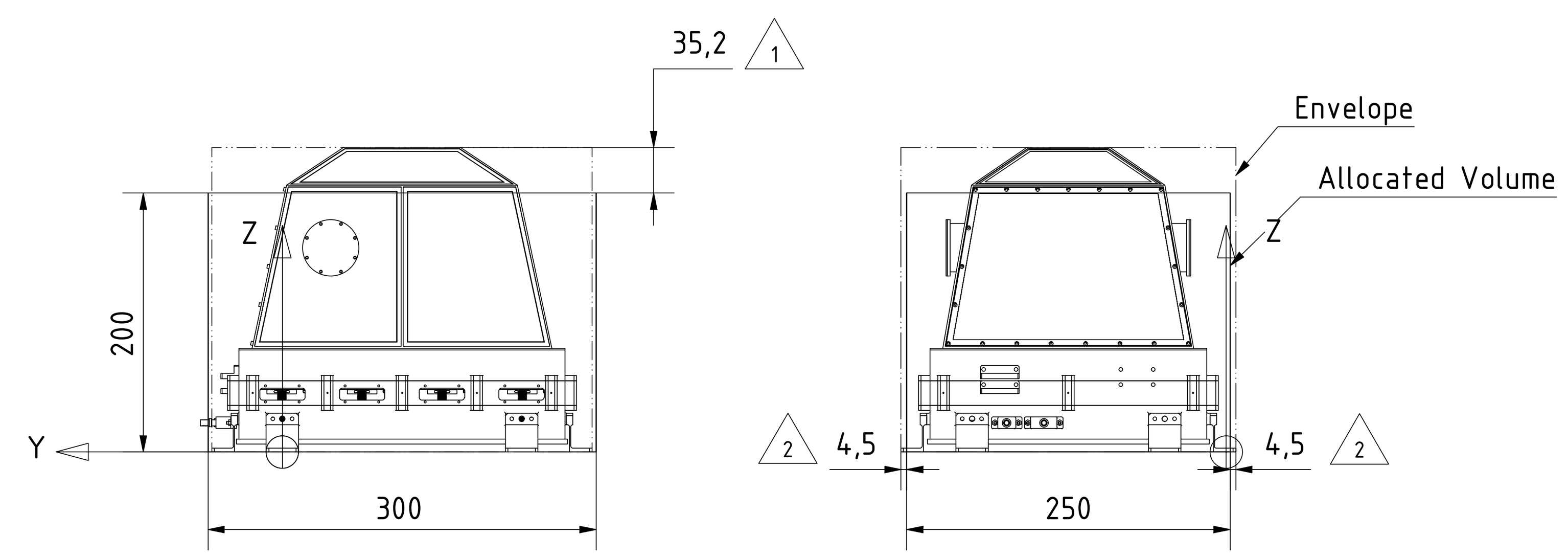
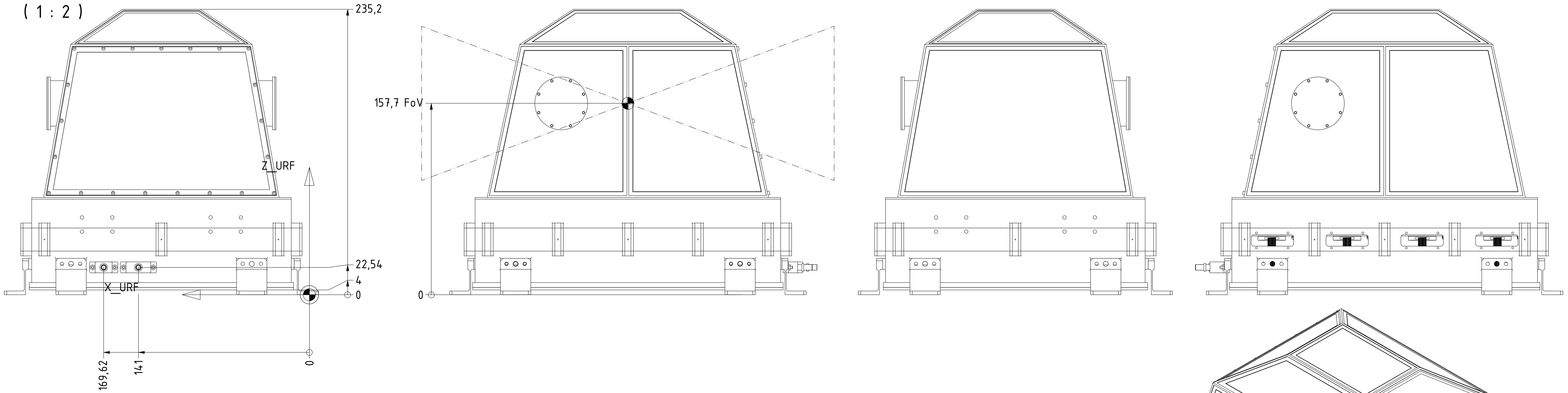
Tabelle		
Sect	cau-ath-icd-0011_i1-0_micd	Status: DM
1	Mass (CBE 2023-06-14)	7,308 kg + 20% = 8,770 kg (rounded)
2	COG (wrt URF/ RH):	X: 120,028 mm
	(calc. error <1%)	Y: -92,305 mm
		Z: 101,649 mm
3	MOI (wrt COG), using negative integral:	Ixx: 52712,052 kg mm^2
	(calc. error <1%)	Iyx: 644,812 kg mm^2
		Iyy: 47618,968 kg mm^2
		Izx: -1266,944 kg mm^2
		Izy: 5,398 kg mm^2
		Izz: 48155,069 kg mm^2
4	Max. Volume (Envelope)	259mm x 294mm x 235,2mm = 17909539 mm^3 (rounded)
5	Instrument mounting hardware	8x LN 29950-MJ5x12, TBC
	Instr. Inst. Torque	TBD
6	Mounting Area	76146mm^2
7	Venting Area	TBD
	Venting Path	TBD Ebox
8	Purging	GN2 (storage)
9	Housing material	EN AW-6061, TBD temper
	Wall thickness	t>=1,5mm
	Housing surface finish	SurTec650
10	Base plate material, incl. I/F	EN AW-6061, TBD temper
	Base plate surface finish, incl. I/F	SurTec650
11	Contact Area Mounting Feet	410^mm2 (8x)
12	Op Heaters	TBD
	Non-Op (Survival) Heaters	TBD
	Location of op/ non-op heaters	TBD
	Thermal Reference Point (TRP)	TBD
	Radiators	TBD
	MLI	TBD
	SurTec650 IR emissivity (OHB)	0,1 (EOL)
	SurTec650 sol. absorptance (OHB)	0,33 (EOL)
13	Grounding stud	M4 bolt.
	Grounding strap	TBD Al99, L x B x H [mm]=77 (hole-to-hole) x 9 x 0.1, I/F hole= 4,2mm (M4)
AD	CAD model	athena-ahepam-dm_top.iam, Vault: 11

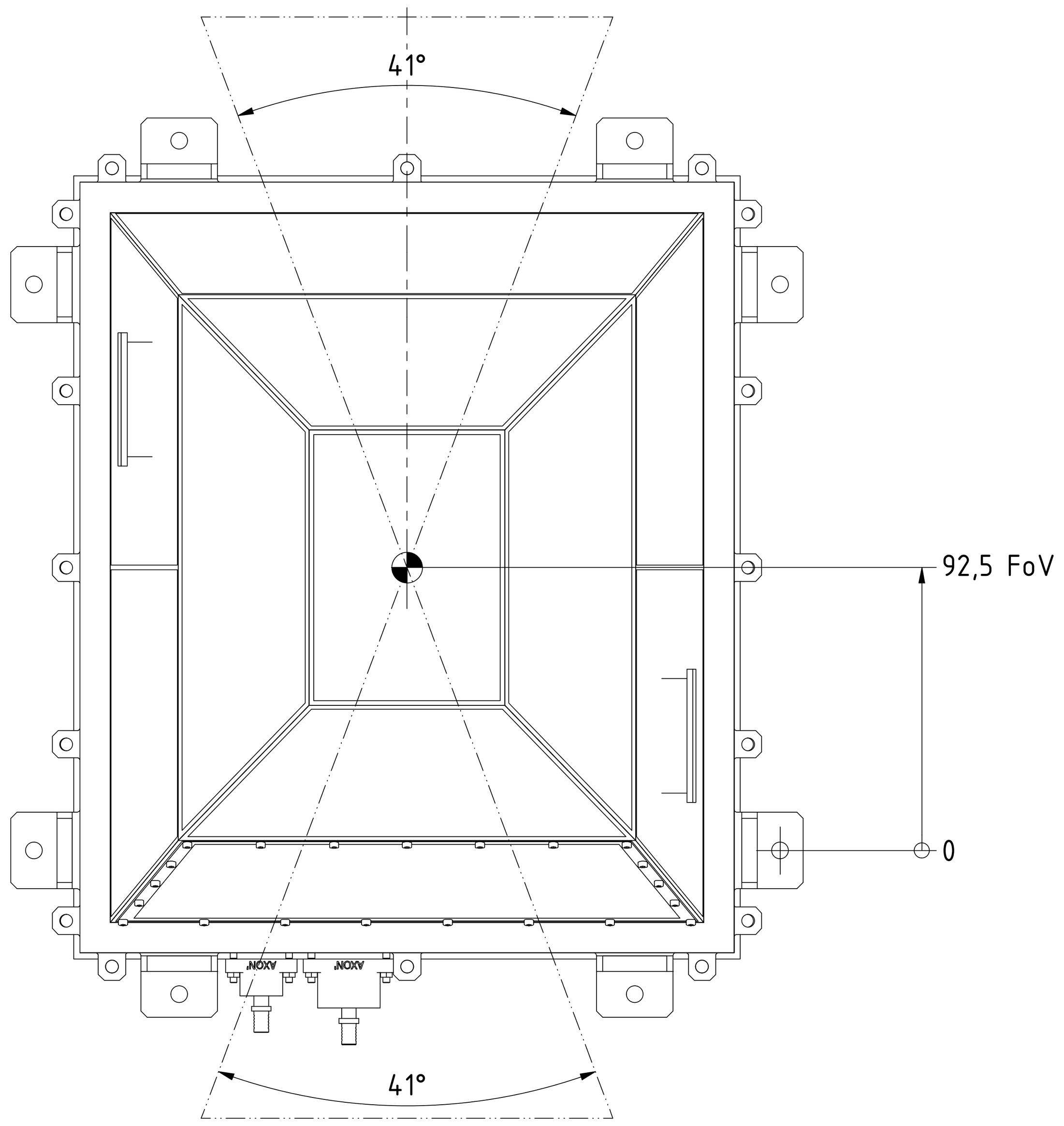
⚠	Anmerkungen
1	Exceedance of allocated volume
2	Inside extendend mounting feet volume



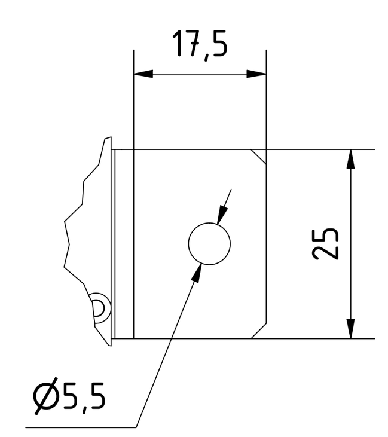


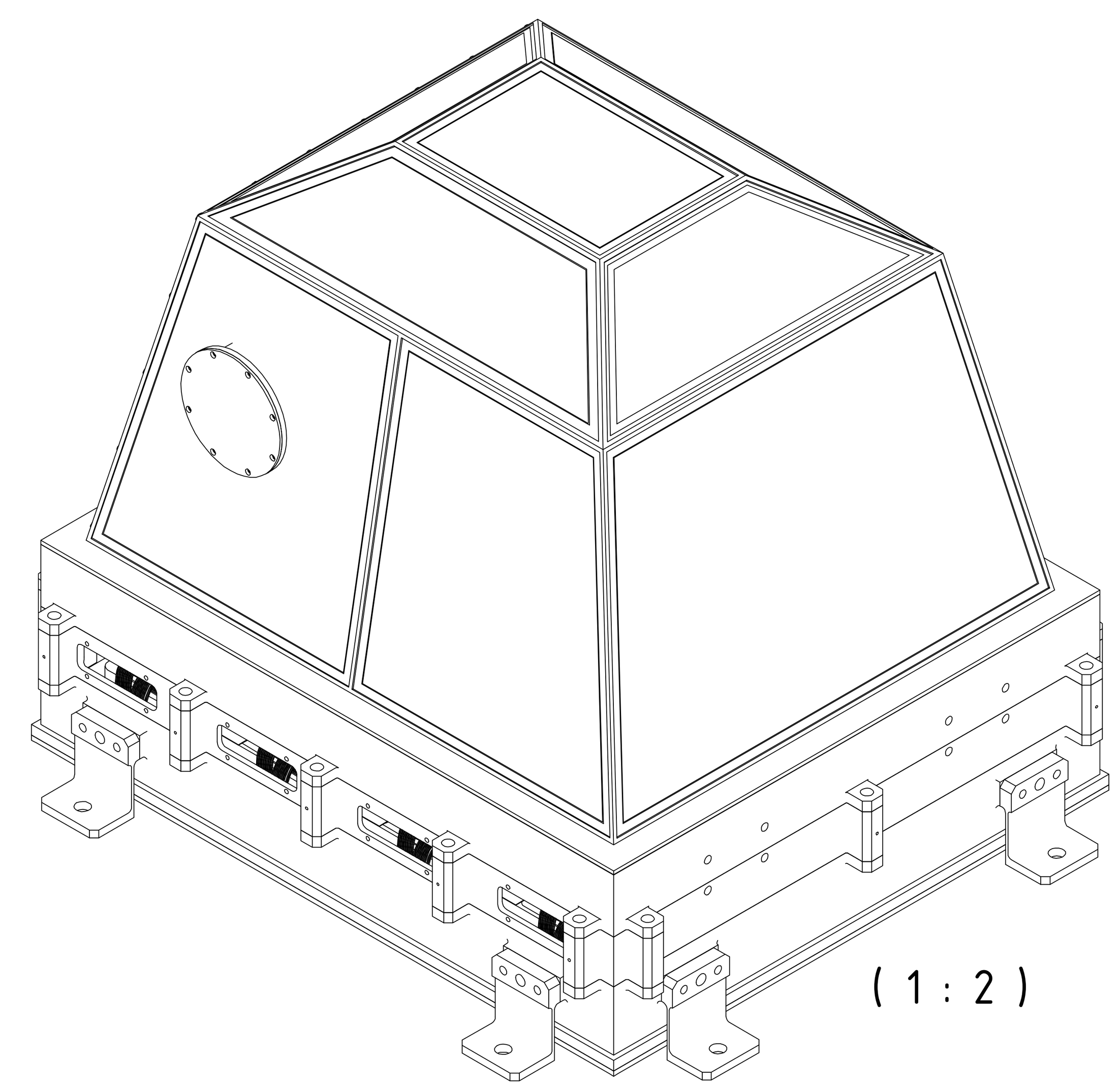
(1 : 2)





(1 : 1)





(1 : 2)

CAU Christian-Albrechts-Universität zu Kiel	etph	Allg. Toleranzen nach DIN 2768 Toleranzklasse:
Institut für Experimentelle und Angewandte Physik		
	Datum	Konstrukteur
Zeichnung	2023-06-15	LS
Kontrolle		

Oberfl., sow. n. in Zeich.:	
Oberflächenbeh.	Gewicht -
Material	
AHEPaM/ MICD Mechanical Interface Control Document	
Mission/ Projekt	
Instrument/ BG	
Bauteilnummer	athena-ahepam-dm_top
Projektion nach DIN 6-1 (E)	athena-ahepam-dm_top
REV	00
STATUS	DM
Seite: 1 von: 1	A1

Änderung	Datum	Name

2021-02-15