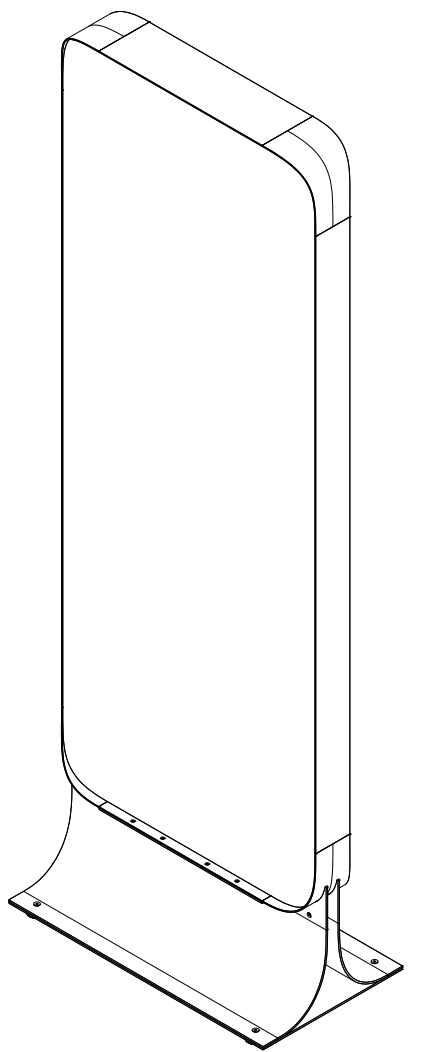
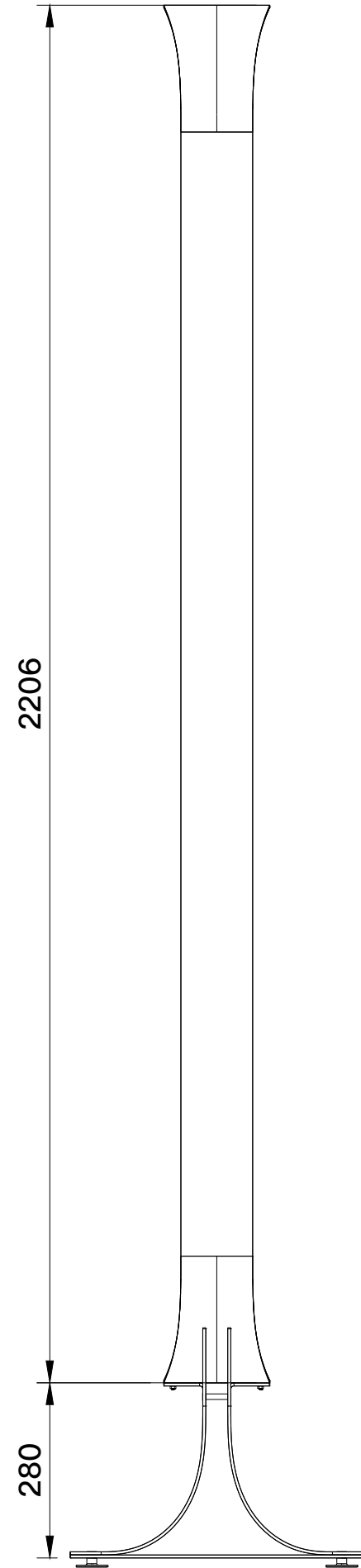
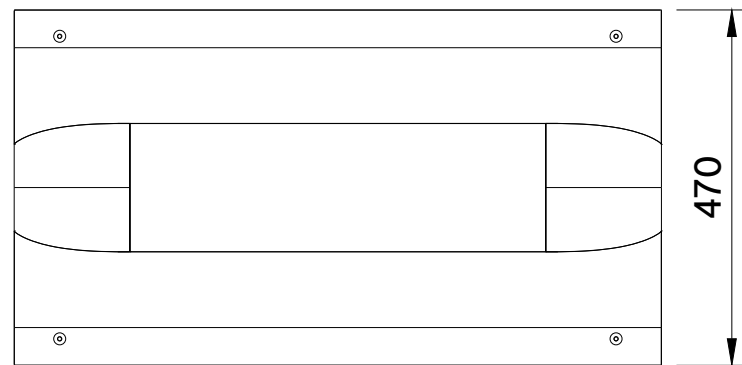
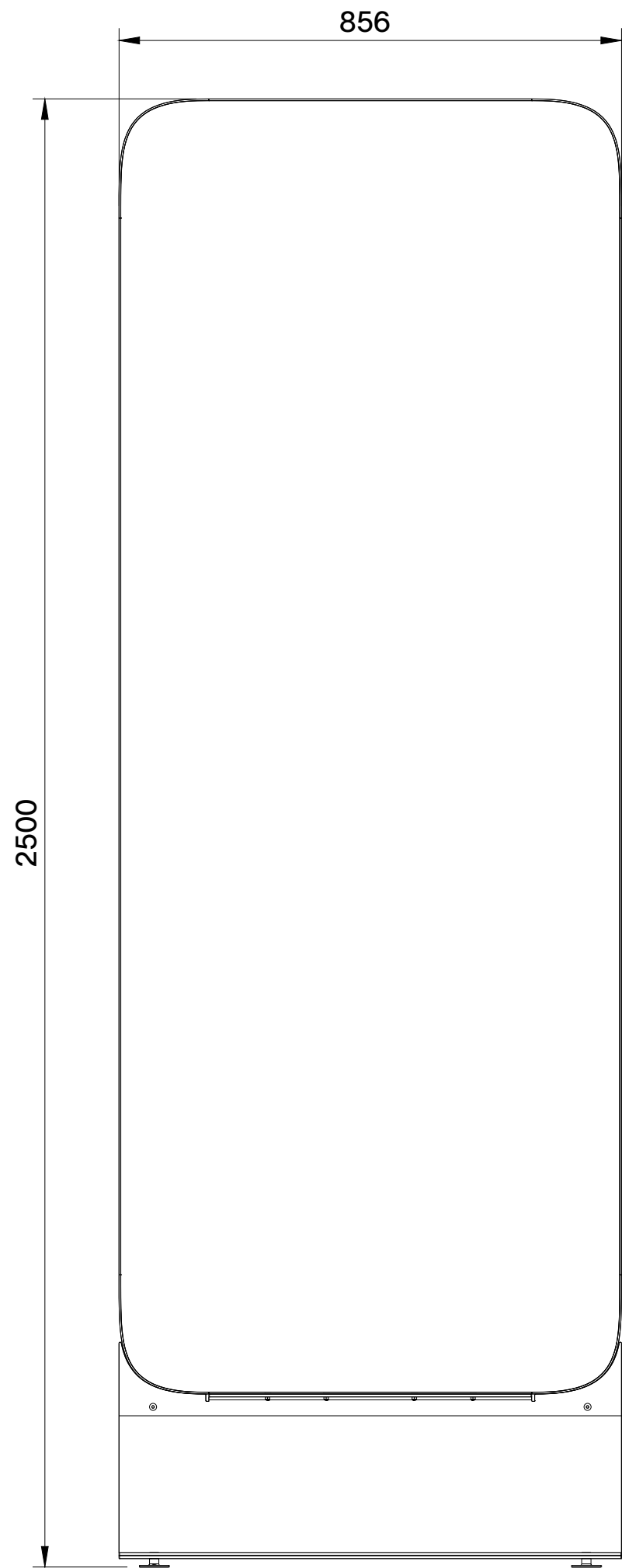
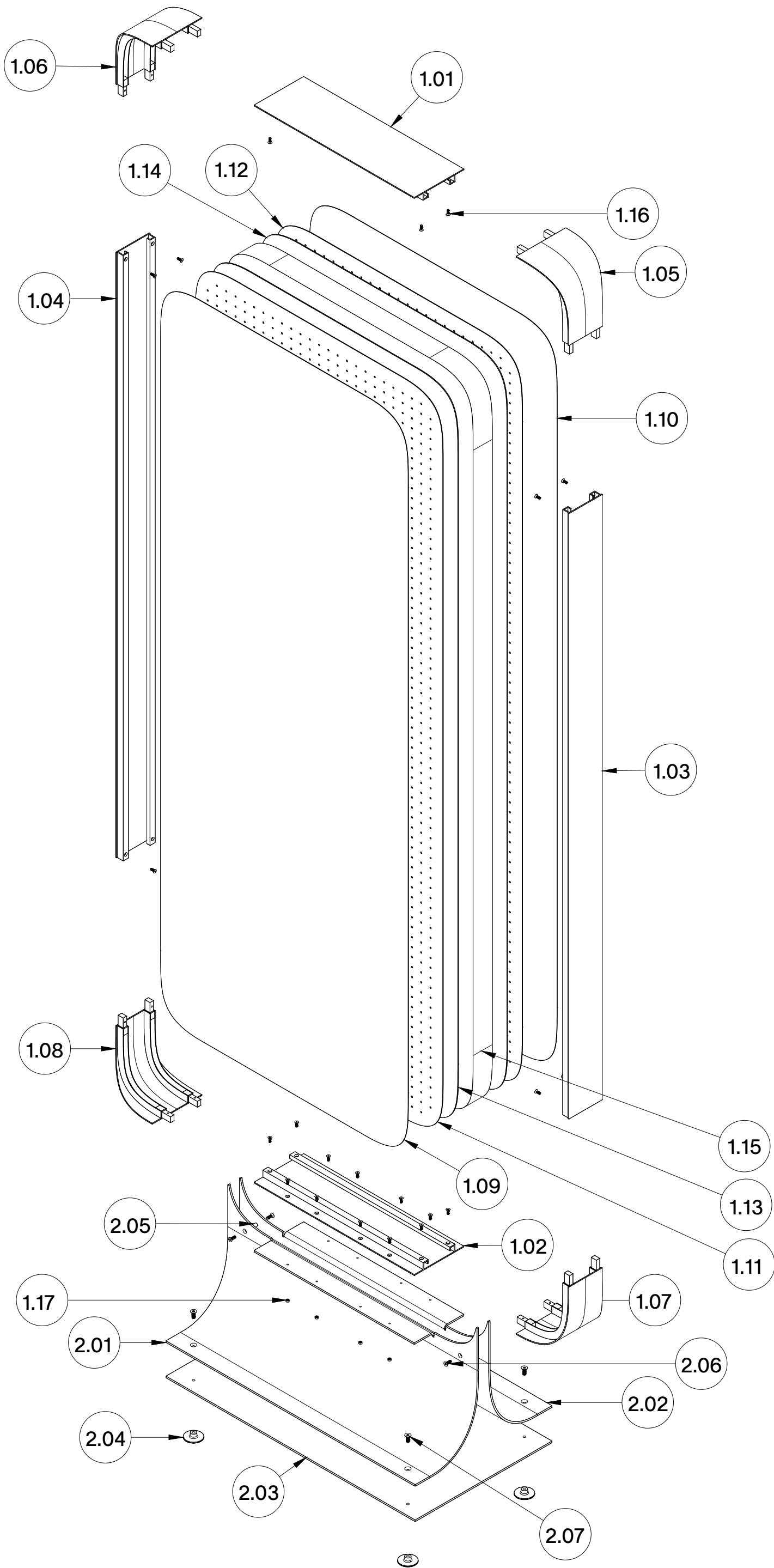
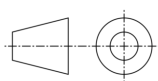


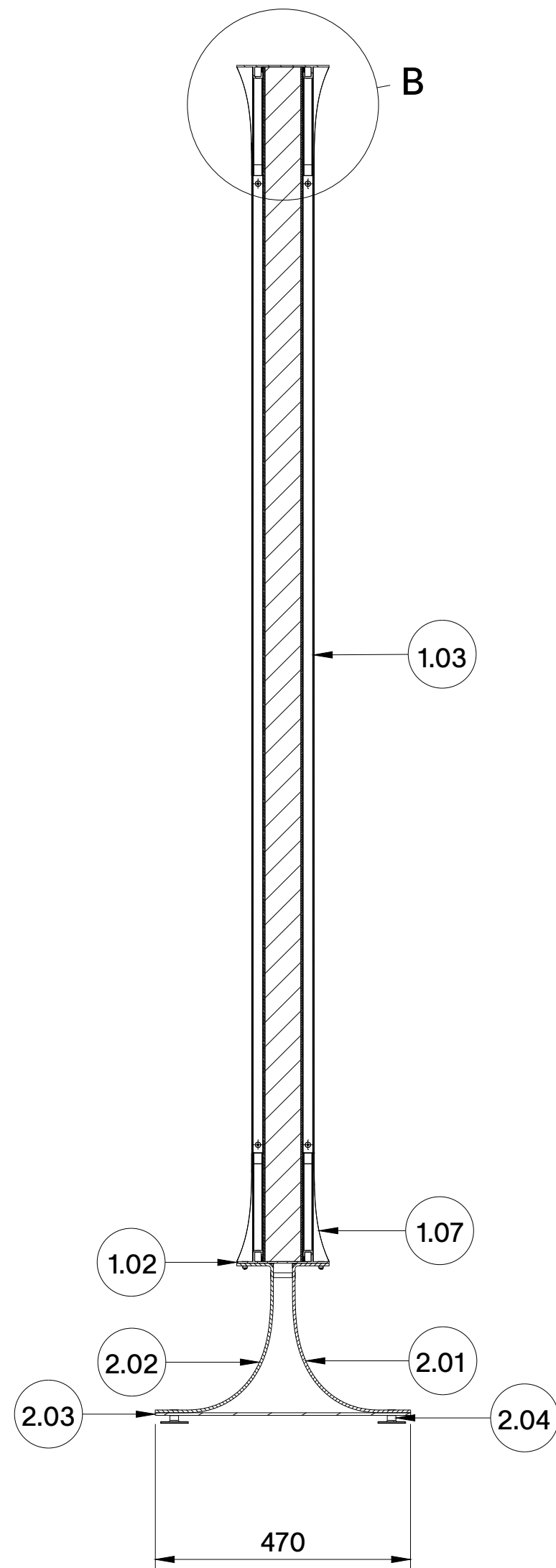
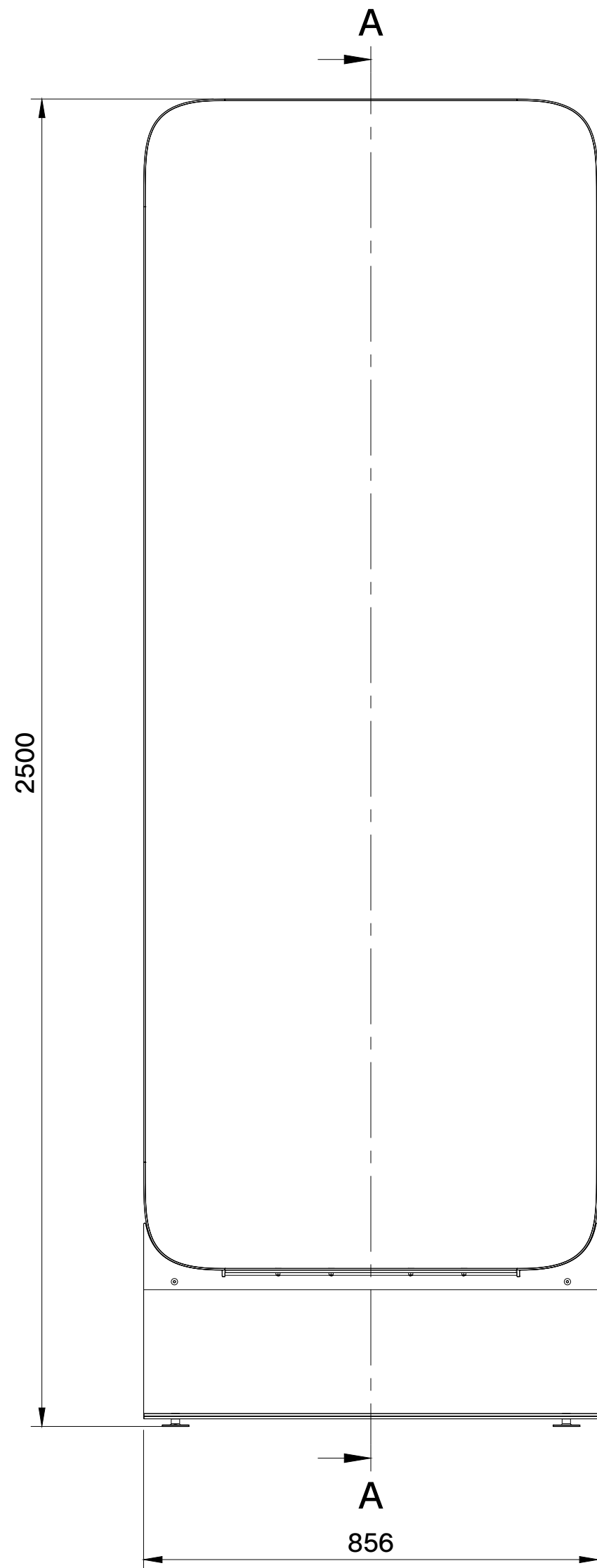


Thesis project		2024/2025	
VEIL Outdoor Acoustic Panel			
Author: Matteo Segattini		Title: General dimensions	
Supervisor: Riccardo Gatti		Co-Supervisor: Marco Luigi Longana	
Drawing number: 1	A2	Scale: 1:10	 



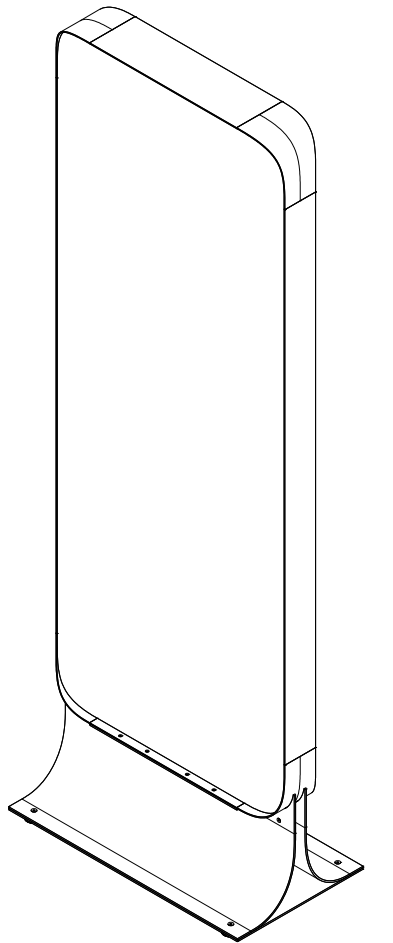
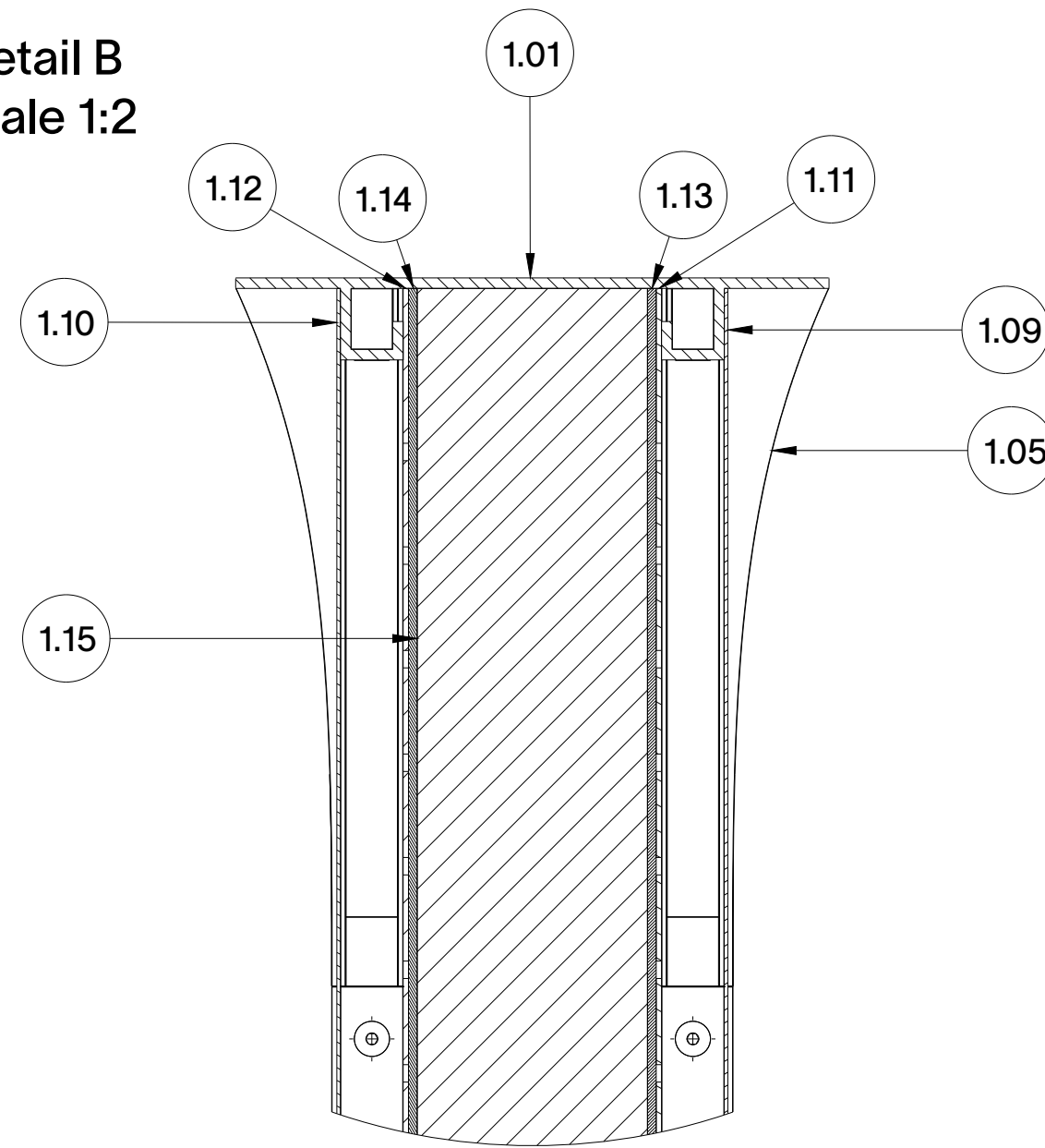
No.	Part	make/buy	Material	Man process	Qty
1.01	Top extrusion frame	M	Aluminium 6063	Extrusion	1
1.02	Bottom extrusion frame	M	Aluminium 6063	Extrusion	1
1.03	Right extrusion frame	M	Aluminium 6063	Extrusion	1
1.04	Left extrusion frame	M	Aluminium 6063	Extrusion	1
1.05	Top right corner frame	M	Aluminium 6063	Metal sheet cutting, bending, welding	1
1.06	Top left corner frame	M	Aluminium 6063	Metal sheet cutting, bending, welding	1
1.07	Bottom right corner frame	M	Aluminium 6063	Metal sheet cutting, bending, welding	1
1.08	Bottom left corner frame	M	Aluminium 6063	Metal sheet cutting, bending, welding	1
1.09	Front membrane	M	Mineral fiber woven fabric	Cutting	1
1.10	Back membrane	M	Mineral fiber woven fabric	Cutting	1
1.11	Front microperforated panel	M	Aluminium EN AW 5754	Cutting	1
1.12	Back microperforated panel	M	Aluminium EN AW 5754	Cutting	1
1.13	Front resistive layer	M	Rymfelt carbon fiber nonwoven	Cutting	1
1.14	Back resistive layer	M	Rymfelt carbon fiber nonwoven	Cutting	1
1.15	Absorptive core	M	Acoustic polyester wool	Cutting	1
1.16	Flat head screw M5 X 0.8mm	B	Stainless steel		16
1.17	Hex nut M5 X 0.8 mm	B	Zinc plated steel		8
2.01	Front base sheet	M	Stainless steel	Metal sheet cutting, bending	1
2.02	Back base sheet	M	Stainless steel	Metal sheet cutting, bending	1
2.03	Bottom base sheet	M	Stainless steel	Metal sheet cutting, bending	1
2.04	Foot stand	M	Stainless steel	Turning	4
2.05	Connective base spacer	B	Stainless steel		2
2.06	Flat head screw M6	B	Stainless steel		4
2.07	Flat head screw M8 X 1.15mm	B	Stainless steel		4

Thesis project		2024/2025	
VEIL Outdoor Acoustic Panel			
Author: Matteo Segattini		Title: Exploded view	
Supervisor: Riccardo Gatti		Co-Supervisor: Marco Luigi Longana	
Drawing number: 2	A2	Scale: 1:10	 

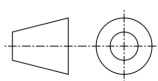


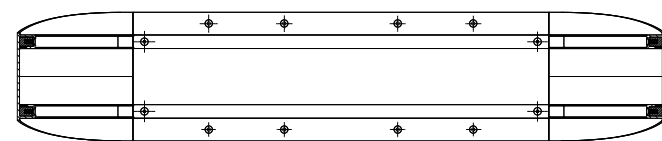
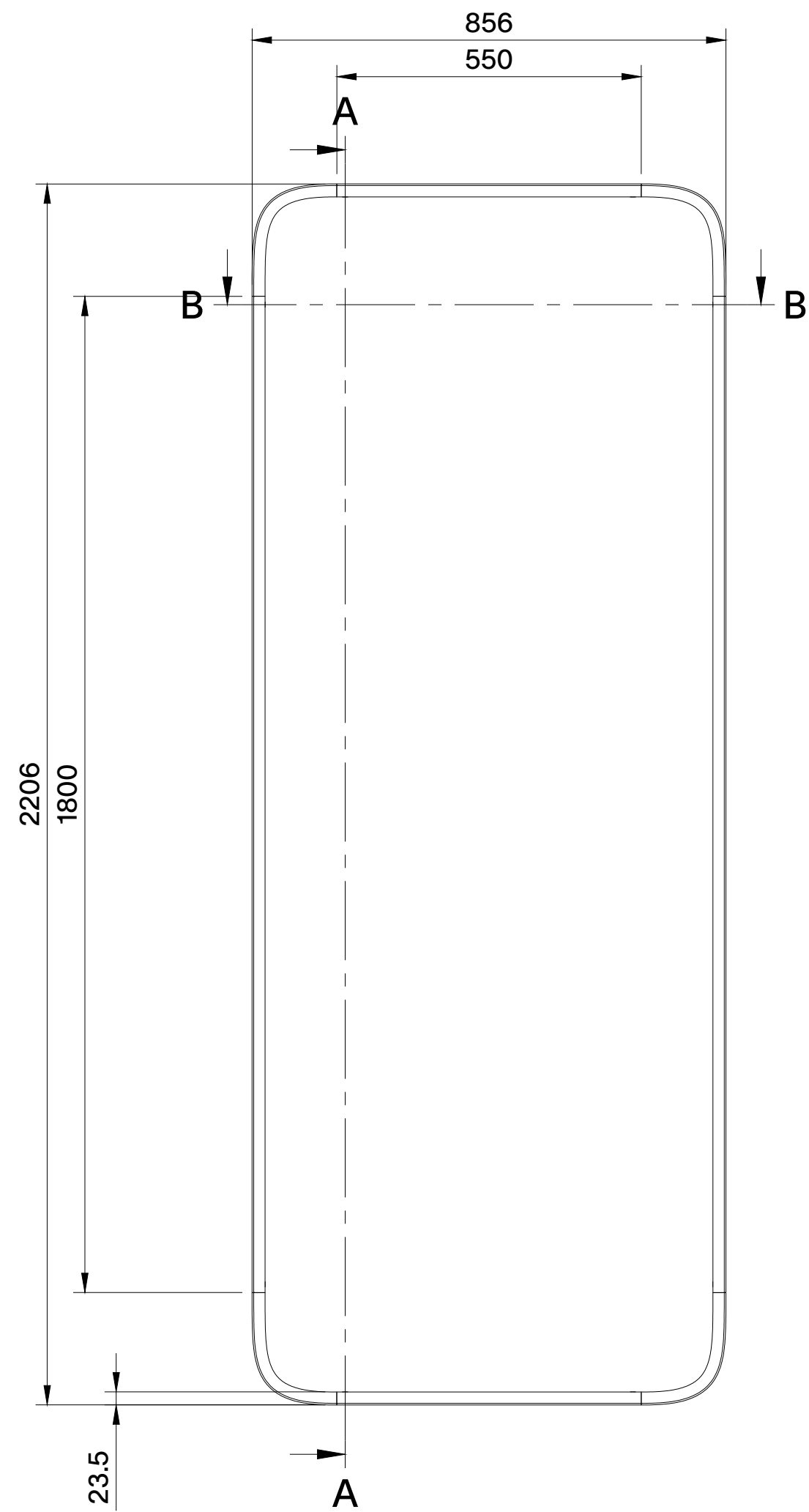
Section A-A
Scale 1:10

Detail B
Scale 1:2

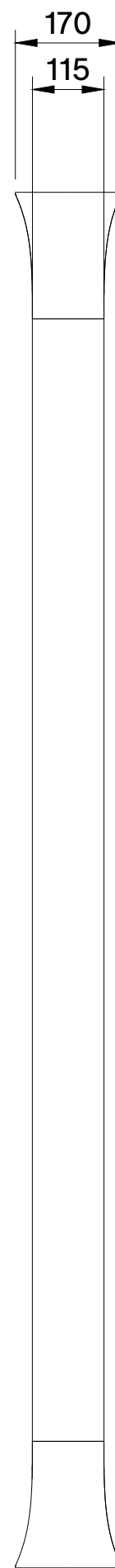


No.	Part	make/buy	Material	Man process	Qty
1.01	Top extrusion frame	M	Aluminium 6063	Extrusion	1
1.02	Bottom extrusion frame	M	Aluminium 6063	Extrusion	1
1.03	Right extrusion frame	M	Aluminium 6063	Extrusion	1
1.05	Top right corner frame	M	Aluminium 6063	Metal sheet cutting, bending, welding	1
1.07	Bottom right corner frame	M	Aluminium 6063	Metal sheet cutting, bending, welding	1
1.09	Front membrane	M	Mineral fiber woven fabric	Cutting	1
1.10	Back membrane	M	Mineral fiber woven fabric	Cutting	1
1.11	Front microperforated panel	M	Aluminium EN AW 5754	Cutting	1
1.12	Back microperforated panel	M	Aluminium EN AW 5754	Cutting	1
1.13	Front resistive layer	M	Rymfelt carbon fiber nonwoven	Cutting	1
1.14	Back resistive layer	M	Rymfelt carbon fiber nonwoven	Cutting	1
1.15	Absorptive core	M	Acoustic polyester wool	Cutting	1
2.01	Front base sheet	M	Stainless steel	Metal sheet cutting, bending	1
2.02	Back base sheet	M	Stainless steel	Metal sheet cutting, bending	1
2.03	Bottom base sheet	M	Stainless steel	Metal sheet cutting, bending	1
2.04	Foot stand	M	Stainless steel	Turning	4

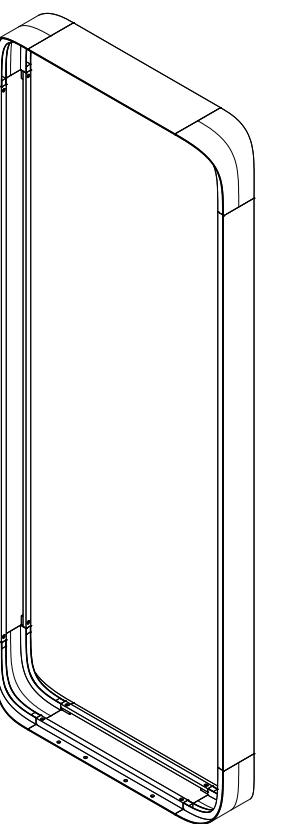
Thesis project		2024/2025	
VEIL Outdoor Acoustic Panel			
Author: Matteo Segattini		Title: General section view	
Supervisor: Riccardo Gatti		Co-Supervisor: Marco Luigi Longana	
Drawing number: 3	A2	Scale: 1:10	 

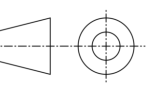


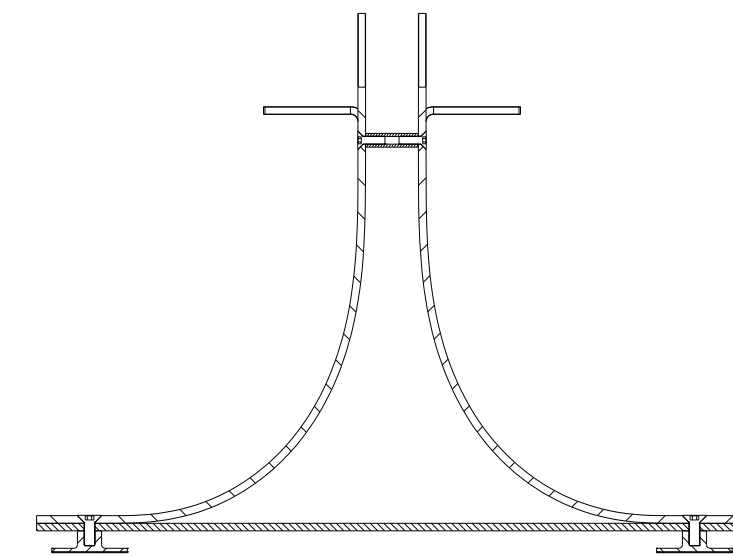
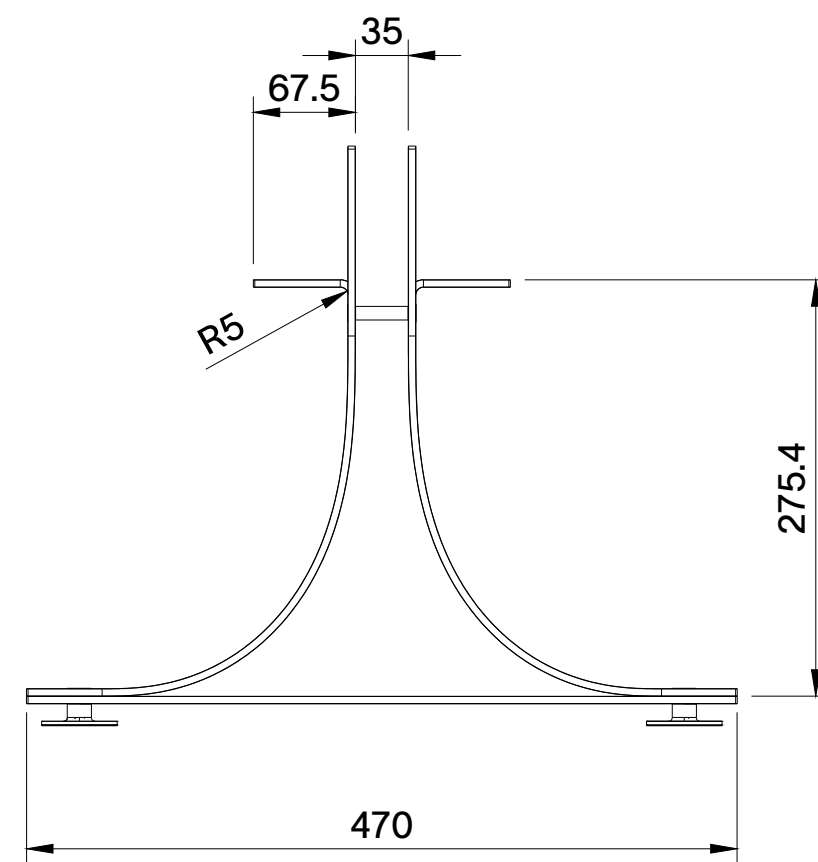
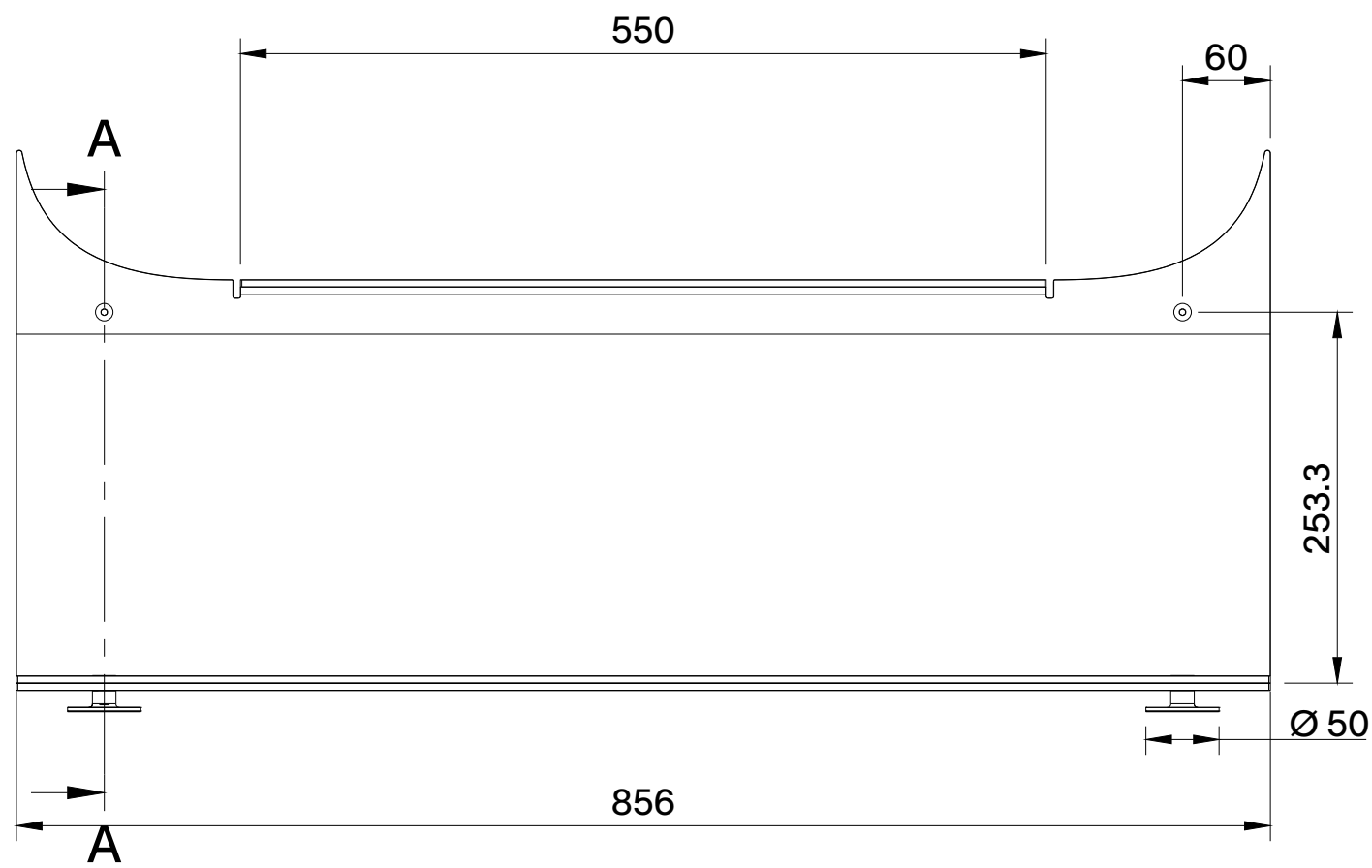
Section B-B
Scale 1:10



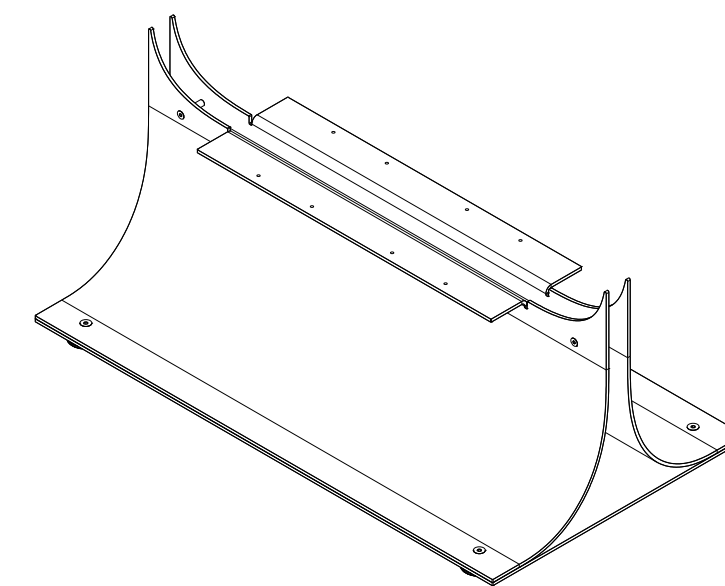
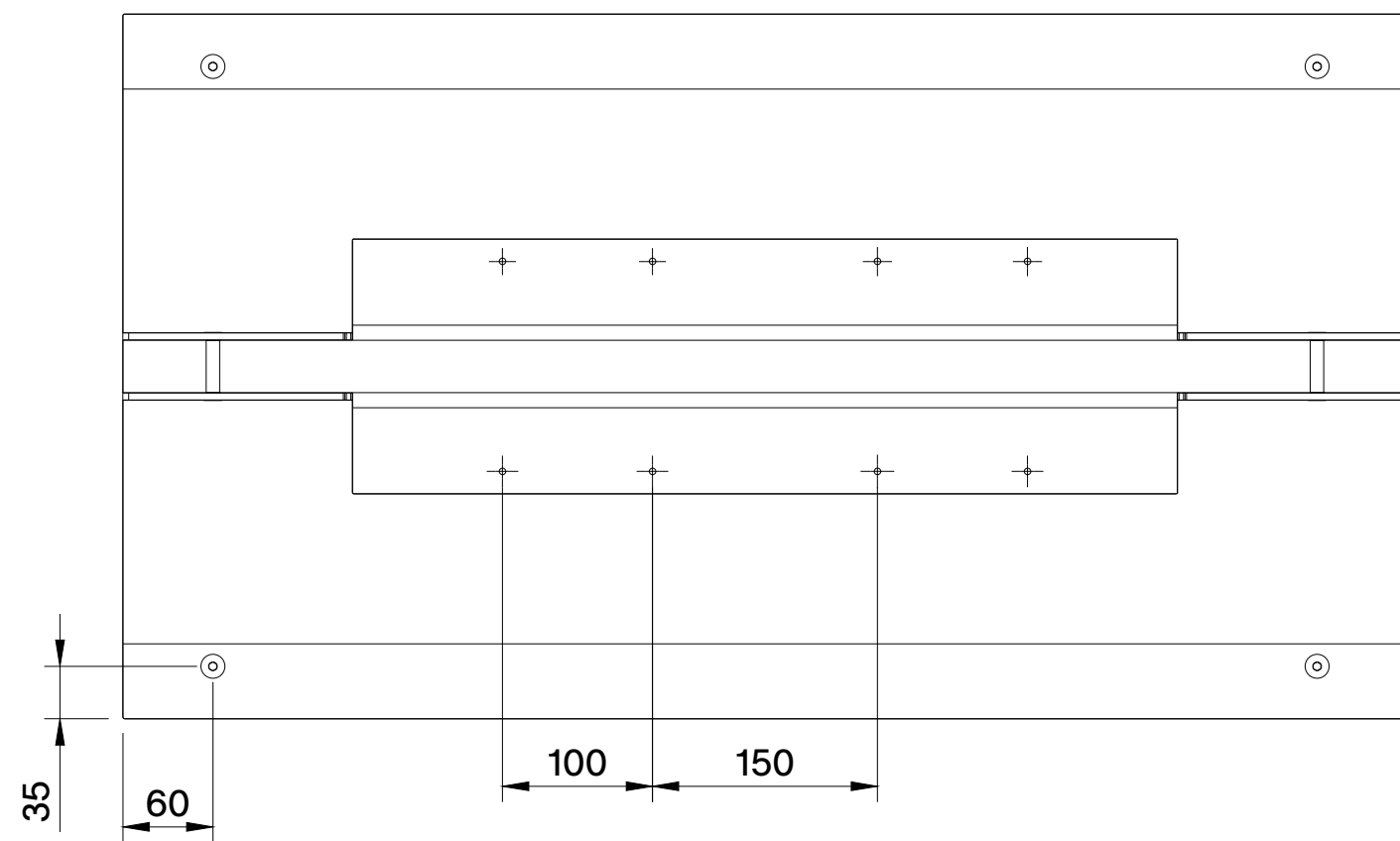
Section A-A
Scale 1:10



Thesis project		2024/2025	
VEIL Outdoor acoustic panel			
Author: Matteo Segattini		Title: Frame	
Supervisor: Riccardo Gatti		Co-Supervisor: Marco Luigi Longana	
Drawing number: 4	A2	Scale 1:10	 



Section A-A
Scale 1:5



Thesis project		2024/2025	
VEIL Outdoor acoustic panel			
Author: Matteo Segattini		Title: Base	
Supervisor: Riccardo Gatti		Co-Supervisor: Marco Luigi Longana	
Drawing number: 5		A2	Scale 1:5