Drw. nr.	Contents of drawing	Date	Rev.	Rev. date
GSP500E-1	Basic panel	21.02.2017	F01	16.10.2020
GSP500E-2	Corner panel	05.09.2018	F01	16.10.2020
GSP500E-3	U-panel	05.09.2018	F01	16.10.2020
GSP500P-1	Panel properties	10.06.2019	F01	
GSP500M-1	Basic panel with mechanical fixing	10.06.2019	F01	16.10.2020

City sector	Block	Site/Reg. nr.	File nr.	
Building type			Drawing type	Nr.
Building, Name and address			Contents of drawing Liberta Glass DIMENSIONAL DRAWINGS (3 pcs)	Scale 1:Z

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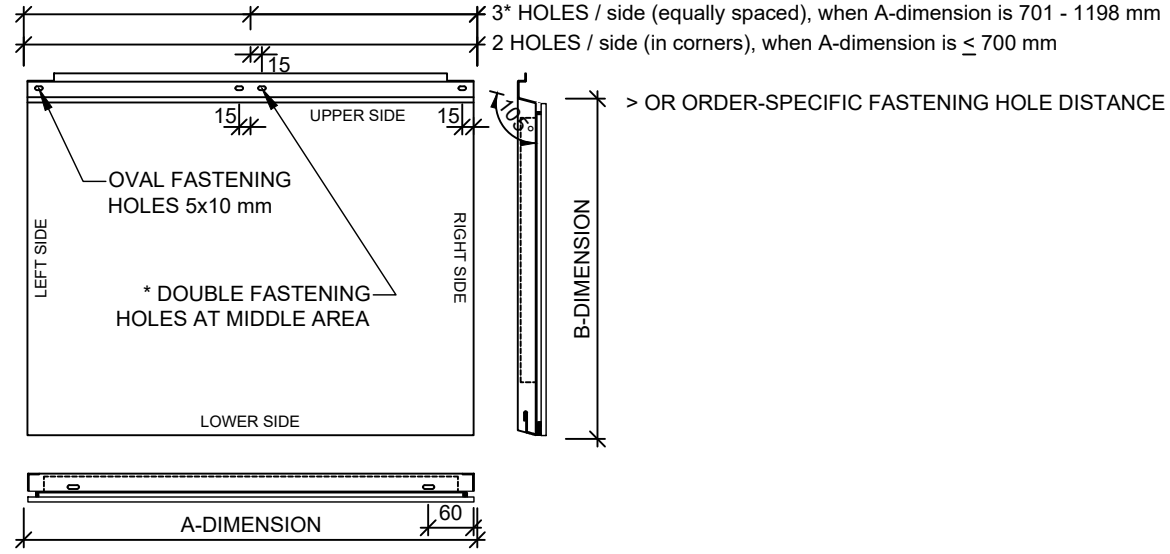
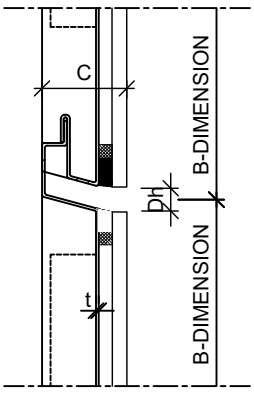
Date	Designer	Work nr.	Work nr.	Drw. nr.	Rev.
05.09.2018	Ruukki				
Drawn by	Checked				

Contents of drawing Liberta Glass Basic panel Dimensional drawing			
Date 21.02.2017	Rev. date 16.10.2020	Work nr.	Drw. nr. GSP500E-1 Rev. b
Drawn by Ruukki	Rev. F01	.	
Scale 1:10	Building .		File nr. .

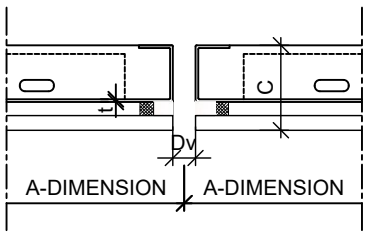


oval ventilation holes 5x15 mm in lower edge,
distance according to panel fastening hole instruction

HORIZONTAL JOINT



VERTICAL JOINT

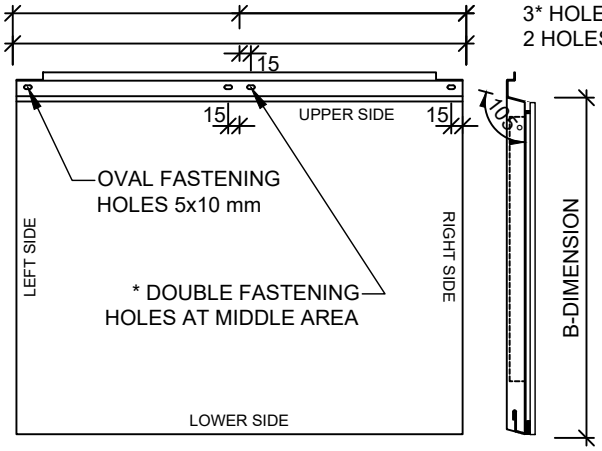


panel depth C = 39 mm
horizontal joint Dh = 8 mm
vertical joint Dv = 8 mm
material thickness t = 1.20 mm (steel)

Amin = 240 mm, Bmin = 275 mm
Amax = 1198 mm, Bmax = 798 mm

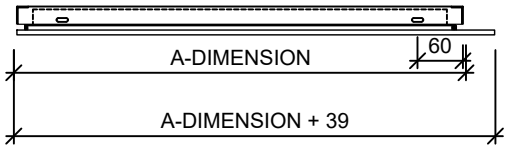
Starting fillet CA1SF2 required.

RUUKKI		Contents of drawing Liberta Glass Corner panel Dimensional drawing	
Date 05.09.2018	Rev. date 16.10.2020	Work nr.	Drw. nr. GSP500E-2 Rev. b
Drawn by Ruukki	Rev. F01	.	
Scale 1:10	Building .		File nr. .



3* HOLES / side (equally spaced), when A-dimension is 701 - 1198 mm
2 HOLES / side (in corners), when A-dimension is ≤ 700 mm

> OR ORDER-SPECIFIC FASTENING HOLE DISTANCE

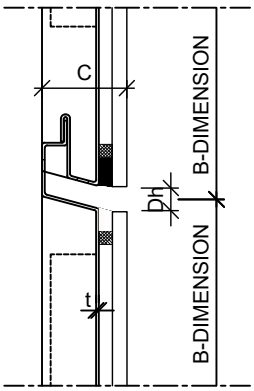


oval ventilation holes 5x15 mm in lower edge,
distance according to panel fastening hole instruction

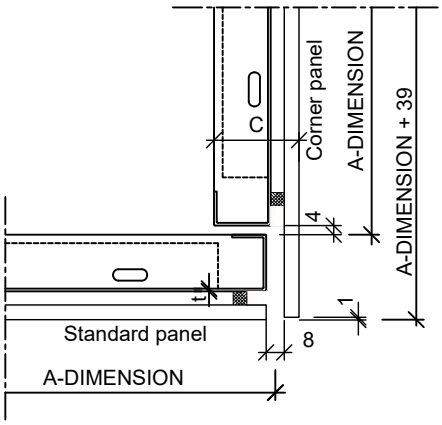
Glass panel width is calculated from A-dimension

Overhanging part of the glass can also be positioned to the left side of the panel

HORIZONTAL JOINT



VERTICAL JOINT

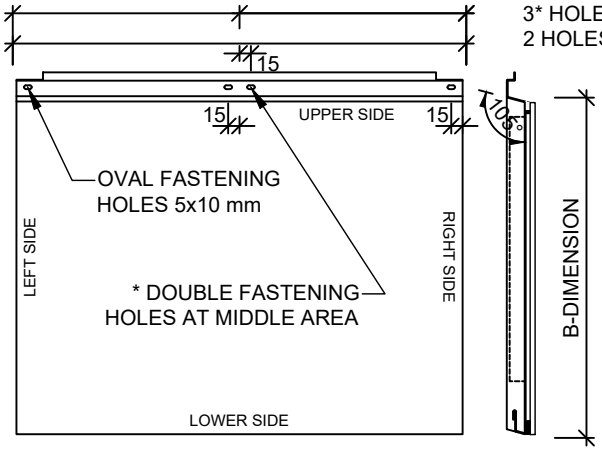


panel depth C = 39 mm
horizontal joint Dh = 8 mm
vertical joint Dv = 8 mm
material thickness t = 1.20 mm (steel)

Amin = 240 mm, Bmin = 275 mm
Amax = 1198 mm, Bmax = 798 mm

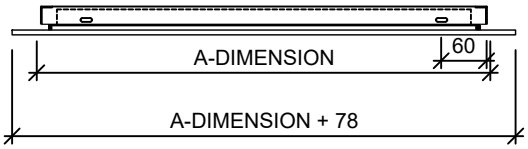
Starting fillet CA1SF2 required.

RUUKKI		Contents of drawing Liberta Glass U-panel Dimensional drawing	
Date 05.09.2018	Rev. date 16.10.2020	Work nr.	Drw. nr. GSP500E-3 Rev. b
Drawn by Ruukki	Rev. F01	.	
Scale 1:10	Building .		File nr. .



3* HOLES / side (equally spaced), when A-dimension is 701 - 1198 mm
2 HOLES / side (in corners), when A-dimension is ≤ 700 mm

> OR ORDER-SPECIFIC FASTENING HOLE DISTANCE

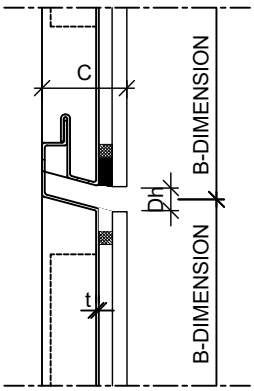


oval ventilation holes 5x15 mm in lower edge,
distance according to panel fastening hole instruction

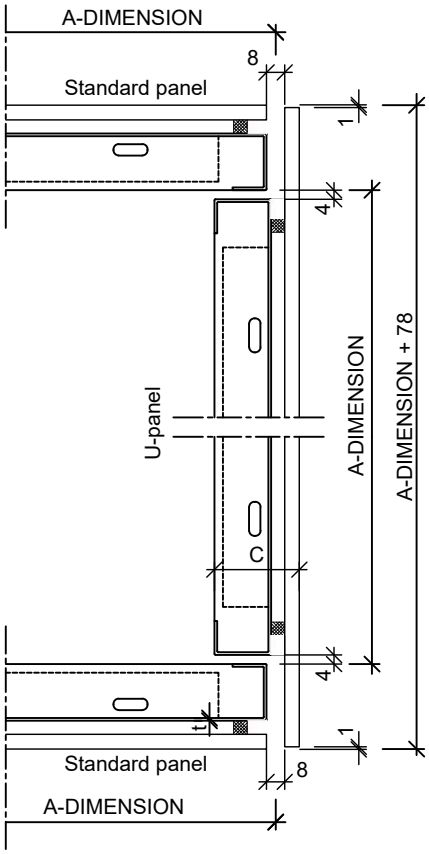
Glass panel width is calculated from A-dimension

Overhanging part of the glass is on both sides of the panel

HORIZONTAL JOINT



VERTICAL JOINT



panel depth C = 39 mm
horizontal joint Dh = 8 mm
vertical joint Dv = 8 mm
material thickness t = 1.20 mm (steel)

Amin = 240 mm, Bmin = 275 mm
Amax = 1198 mm, Bmax = 798 mm

Starting fillet CA1SF2 required.

RUUKKI		Contents of drawing Liberta Glass Panel properties Dimensional drawing	
Date 10.06.2019	Rev. date	Work nr.	Drw. nr. GSP500P-1 Rev. .
Drawn by Ruukki	Rev. F01	.	
Scale	Building .		File nr. .

Liberta™ Glass panel properties:

Mechanical properties:

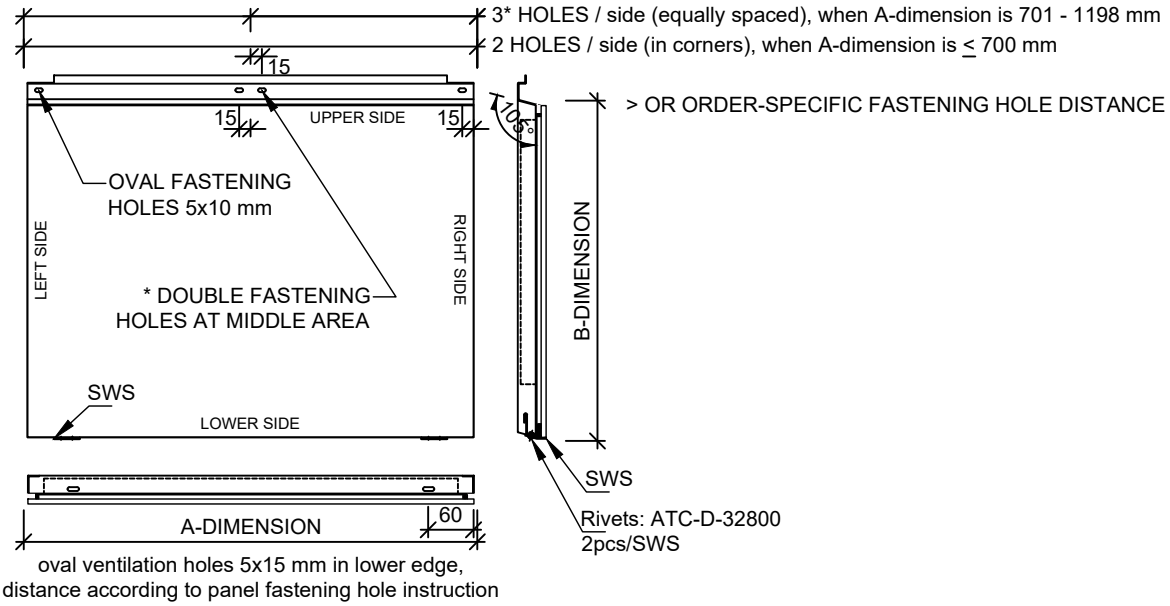
Weight: ~ 19,5 kg/m^2
Visual appearance:
Steel frame: metallic graphite RR45 matt
Glass: background painted to RAL colour
Fire rating: ratings of steel and glass are A1 *). Bonding not tested.
Load bearing capacity: maximum characteristic wind / snow load 2.4 kN/m²
Glass material: tempered safety glass 6 mm
Glass is glued on to PVDF- coated steel frame. PVDF-coating is suitable for environmental classes C2 and C3. In case of class C4 Ruukki's technical customer service will give further instructions (Environmental classes according to EN 12944-2).

Construction permits

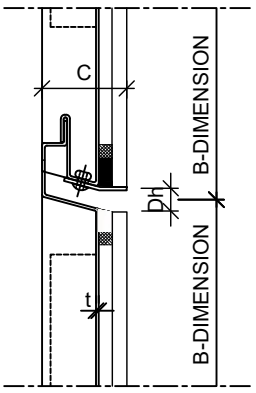
Liberta™ Glass panels as part of overall facade is subject to local applicable building regulations. The system always requires individual local approval in a project, in which Ruukki can help providing necessary support.
It is important that a consultant structural engineer for a project confirms the usability of the system as part of the overall construction.

*) Based on decisions 96/603/EY, 2000/605/EY and 2003/424/EY of Comite of EU.

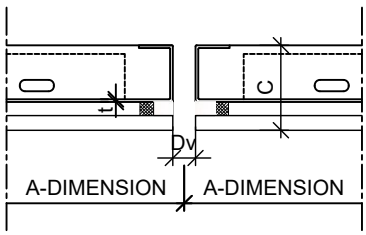
Contents of drawing Liberta Glass Basic panel with mechanical fixing Dimensional drawing			
Date 10.06.2019	Rev. date 16.10.2020	Work nr.	Drw. nr. GSP500M-1 Rev. b
Drawn by Ruukki	Rev. F01	.	
Scale 1:10	Building .		File nr. .



HORIZONTAL JOINT



VERTICAL JOINT



panel depth C = 39 mm
horizontal joint Dh = 8 mm
vertical joint Dv = 8 mm
material thickness t = 1.20 mm (steel)

Amin = 240 mm, Bmin = 275 mm
Amax = 1198 mm, Bmax = 798 mm

Starting fillet CA1SF2 required.