

PROAL

GL100

PROAL GL100 Guillotine Glass System consists of aluminum/glass panels and slides vertically from top to bottom. The system moves with a motor and is controlled with a remote control. GL100 Guillotine Glass System can be produced as 2 panels, 3 panels and 4 panels depending on where it will be applied. The first sash of guillotine window in the system is fixed, the others can be opened and closed. When the system is fully opened, it acts as a fixed glass handrail. Since the system works vertically and is produced as a horizontal frame, it provides a panoramic view.

PROAL GL100 Guillotine Glass System can optionally be produced with single glazing or double glazing, which can provide more insulation. There is also a thermal barrier profiles option for maximum insulation.

In order to make system cleaning easier, the sash windows can also be produced with a stay arm that can be opened. In Cleanable Guillotine Glass System, the moving cover profile prevents possible hand and finger jams when opening the system. System profiles can be painted in any RAL color.





It provides a panoramic view thanks to its vertical running design.



It is quick and easy to install.



It can be easily controlled with the remote control.



Provides railing function.



Provides natural ventilation.



System profiles are produced in the requested color



The movable cover profile prevents possible hand and finger entrapment when the system is opened.



Provides sound insulation.

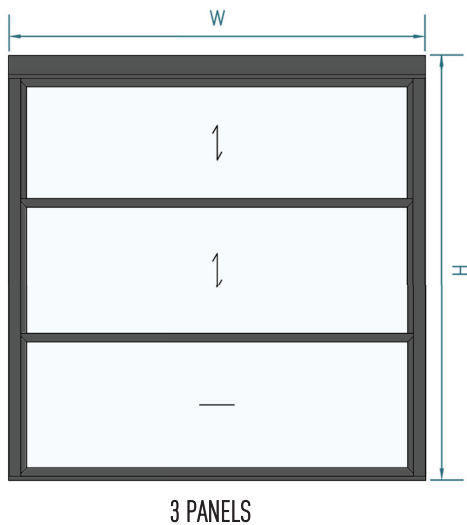


Provides thermal insulation.



Easy to clean.

TECHNICAL CHARACTERISTICS



Number of Glass Panels 3 Panels

Max. Height and Width for 3 Panels .. Max. W:3500mm H:4000mm

Sash Width 32 mm

Frame Width 124,5 mm

Single Glass Thickness8 mm, 10 mm

Surface Coating Electrostatic Powder-Coating

Profile Color Optional

Movable Cover Profile (Hand and Finger Protection)..... ✓

Cleanable Opening Sash ✓

Motor Type Sonfy motor



USAGE LIMITS DIAGRAMS FOR GL100 GUILLOTINE SYSTEM

Information About The Diagrams :

The curves in the table; drew according to the inertia value of the clamp profiles and the wind loads of 60, 96 and 132 kg/m². The hatched area below the curves according to the selected wind load mean "applicable" dimensions.

Limits of Opening Accessory :

Minimum-Maximum Frame Width : 1000mm - 3500mm

Minimum-Maximum Frame Height : 1500mm - 5000mm

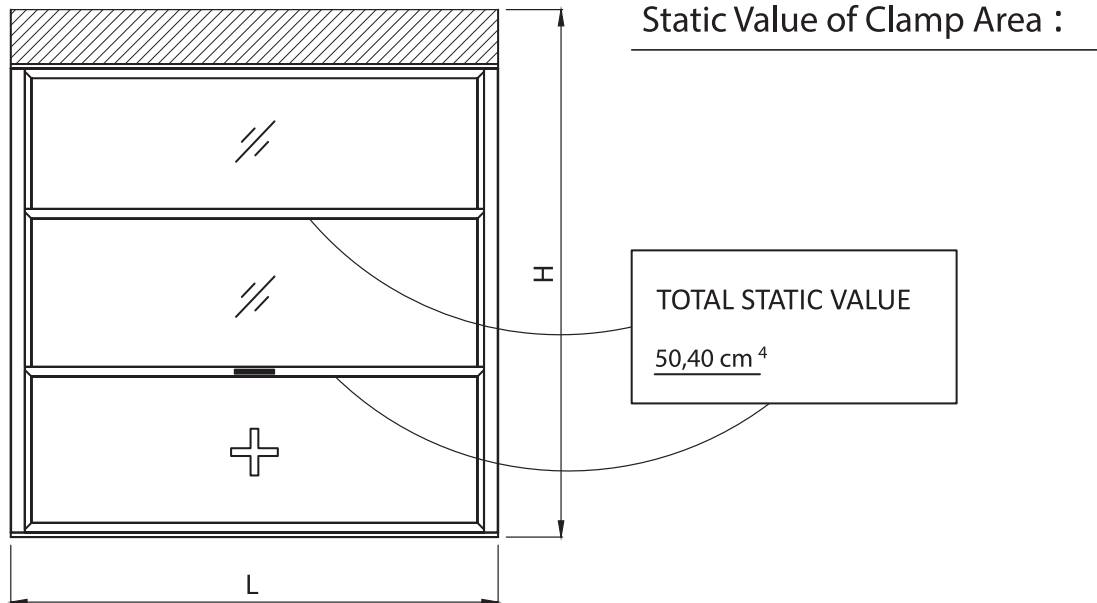
Maximum Opening Single Sash Weight) : 100 Kg

Limits of Static Calculations :

H : Casement Height

L : Casement Width

Deflection Criteria : $H / 200$



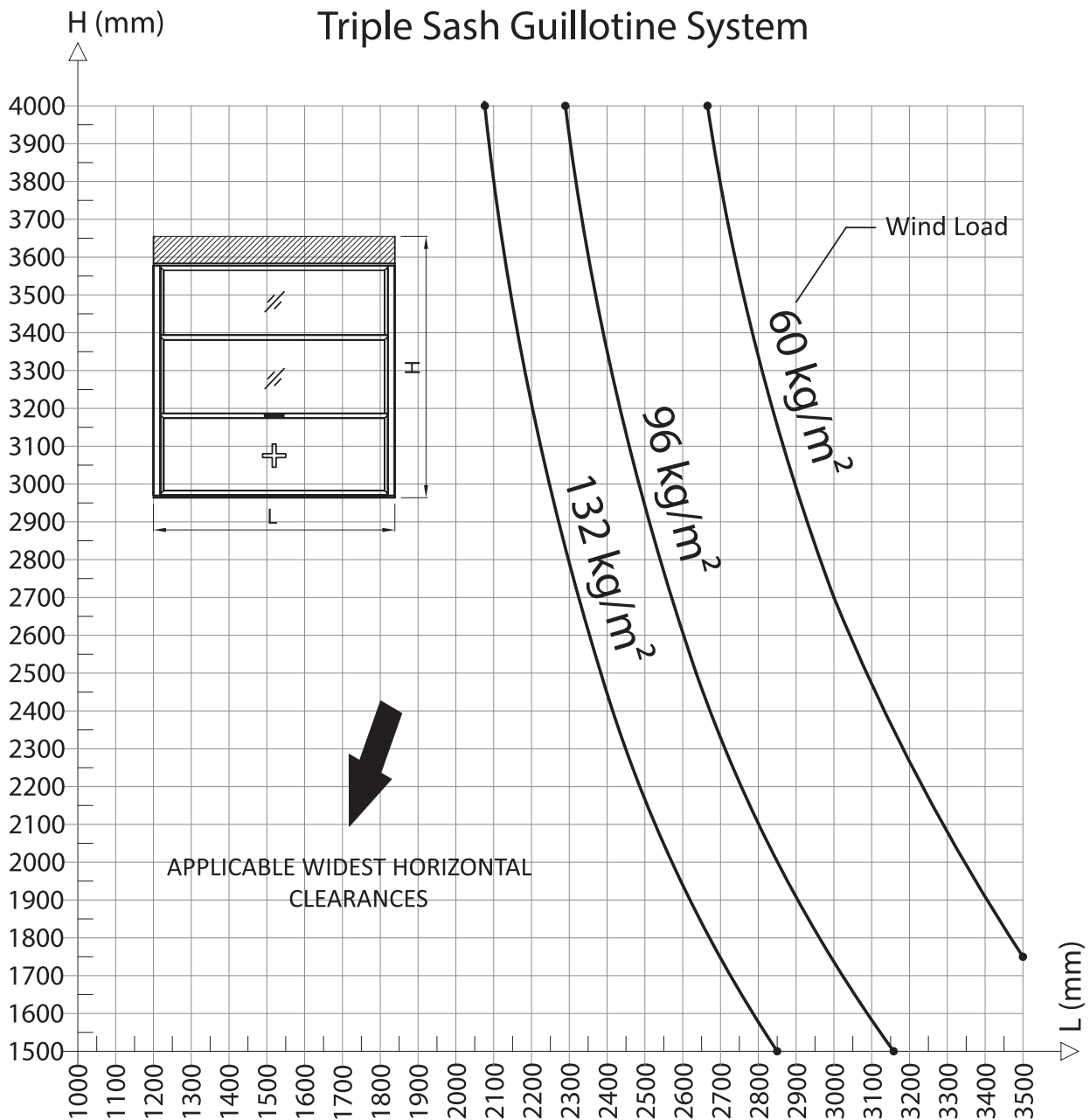
STANDARDS USING WITH STATIC CALCULATIONS :

TS 498 (DIN 1055) , TS EN 13830

Wind Load :

Can be seen in the table below, which was created according to the TS 498 standard before the static calculation; The wind load corresponding to the height of the building where the casement will be used is taken as a reference value.

GROUND ELEVATION (m)	WIND SPEED (km/h)	ABSORPTION (kg/m ²)	WIND LOAD (kg/m ²)
0 - 8	101	50	60
9 - 20	130	80	96
21 - 100	151	110	132



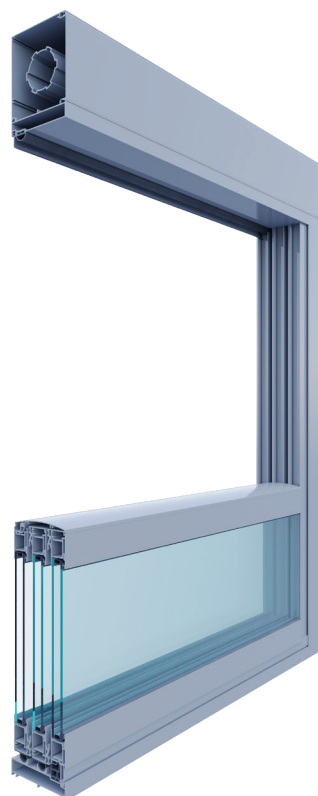
CASEMENT MOUNTING HEIGHT (according to TS 498);

If it is between 0-8m, the wind load to be taken is 60 kg/m^2 ,

If it is between 9-20m, the wind load to be taken is 96 kg/m^2 ,

If it is between 21-100m, the wind load to be taken is 132 kg/m^2 ,
should be taken.

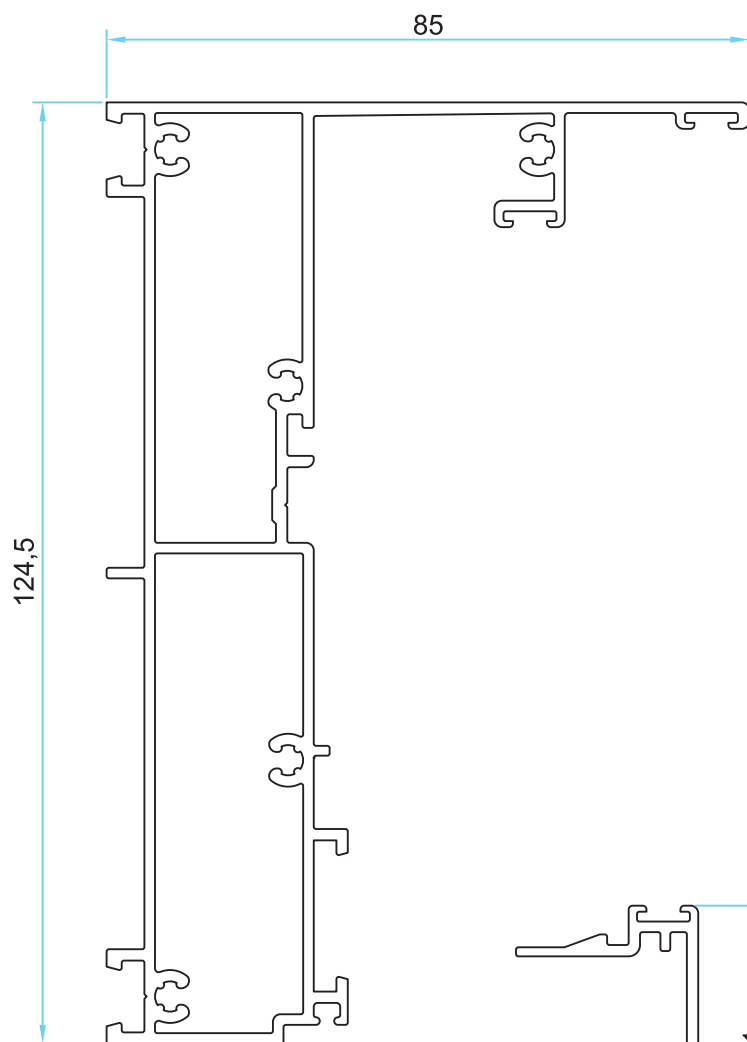




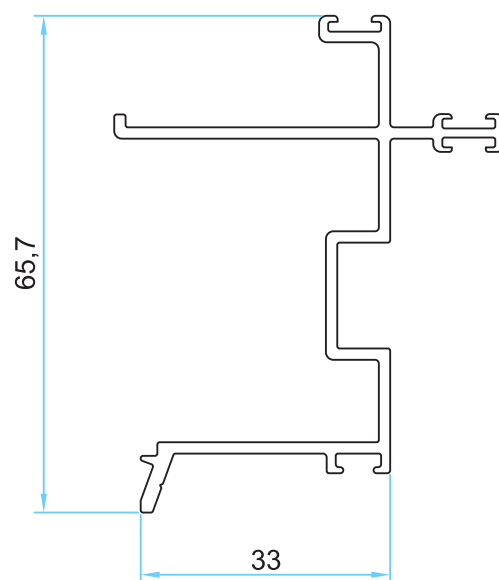
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GUILLOTINE GLASS SYSTEM

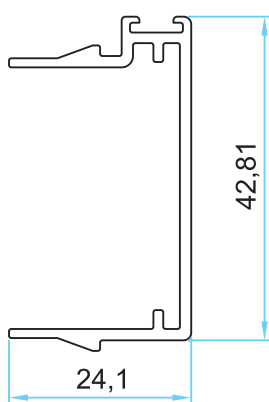
GL100



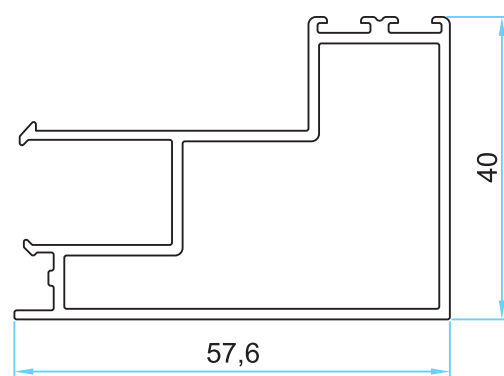
Code: **P-1198**
2,046 kg/m



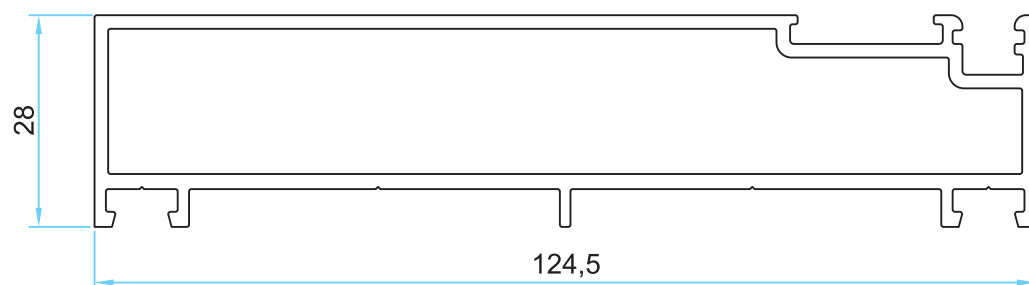
Code: **P-1169**
0,753 kg/m



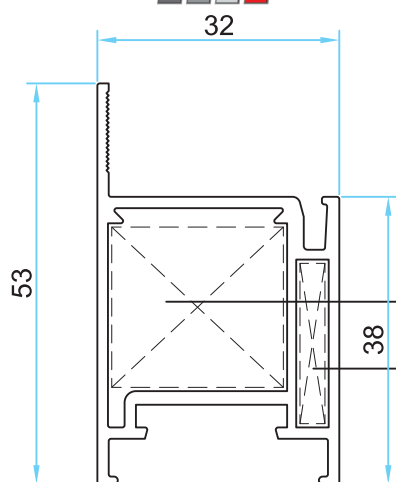
Code: **P-1171**
0,425 kg/m



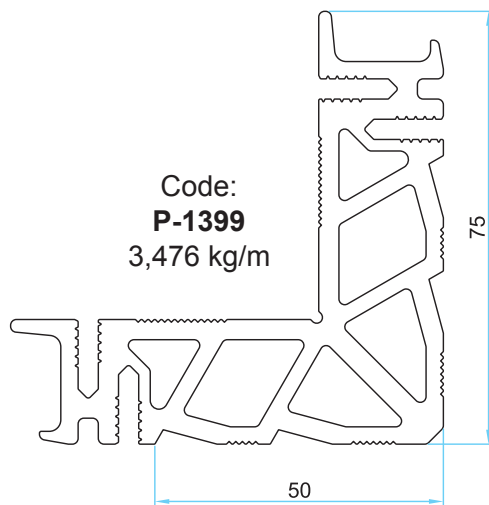
Code: **P-1172**
0,845 kg/m



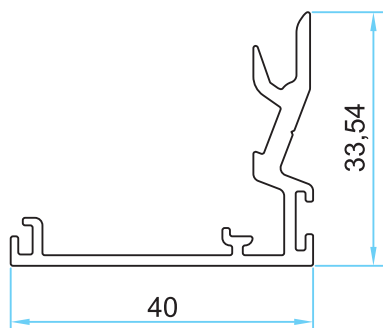
Code: **P-1202**
1,658 kg/m



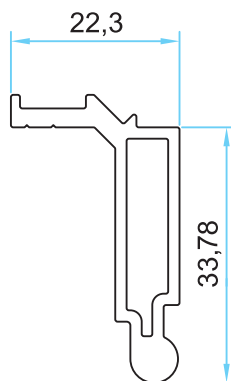
Code: **P-1199**
0,802 kg/m



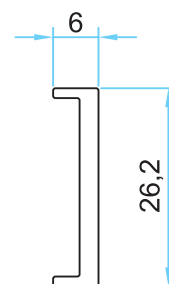
Code: **P-1399**
3,476 kg/m



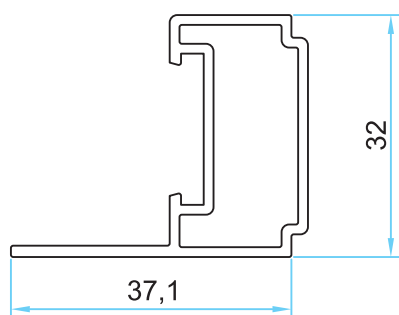
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0,471 kg/m



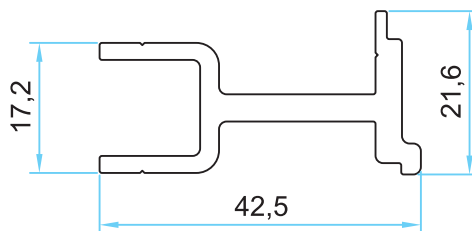
Code: **P-1191**
0,476 kg/m



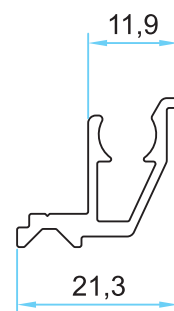
Code: **P-1189**
0,202 kg/m



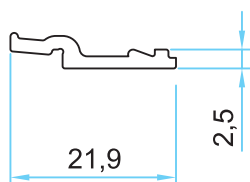
Code: **P-1200**
0,515 kg/m



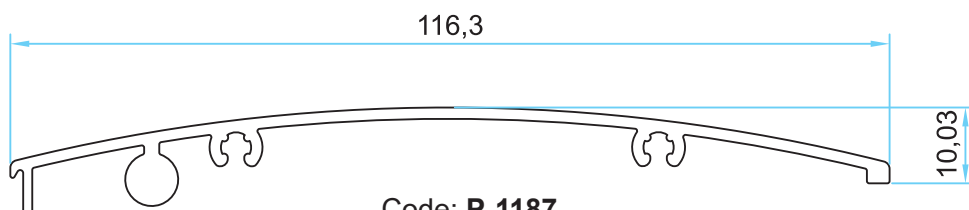
Code: **P-1190**
0,663 kg/m



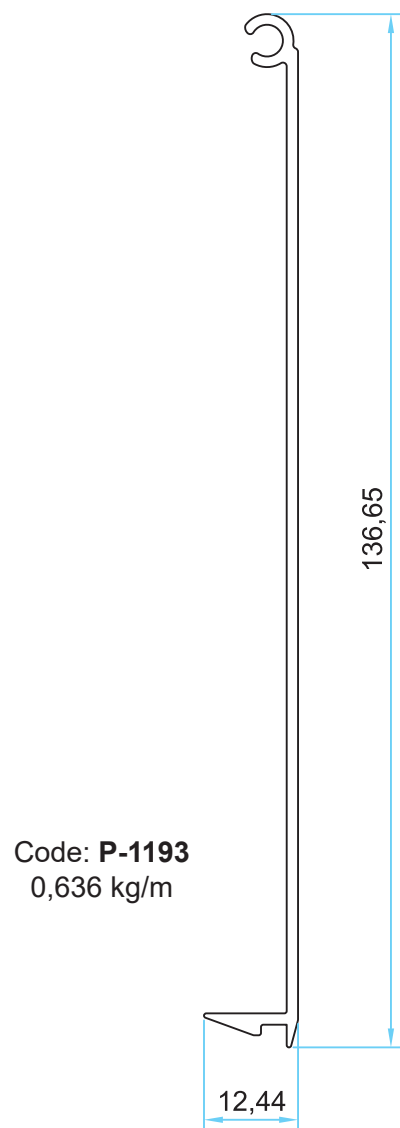
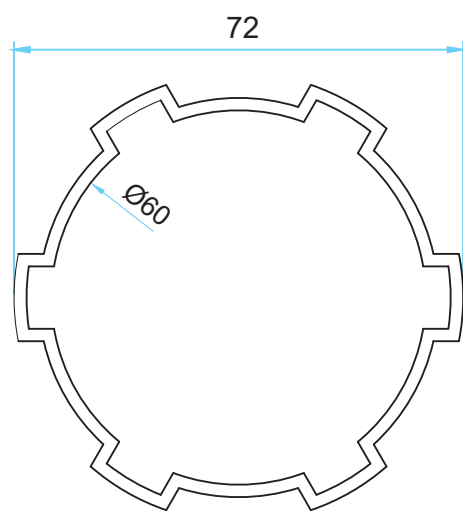
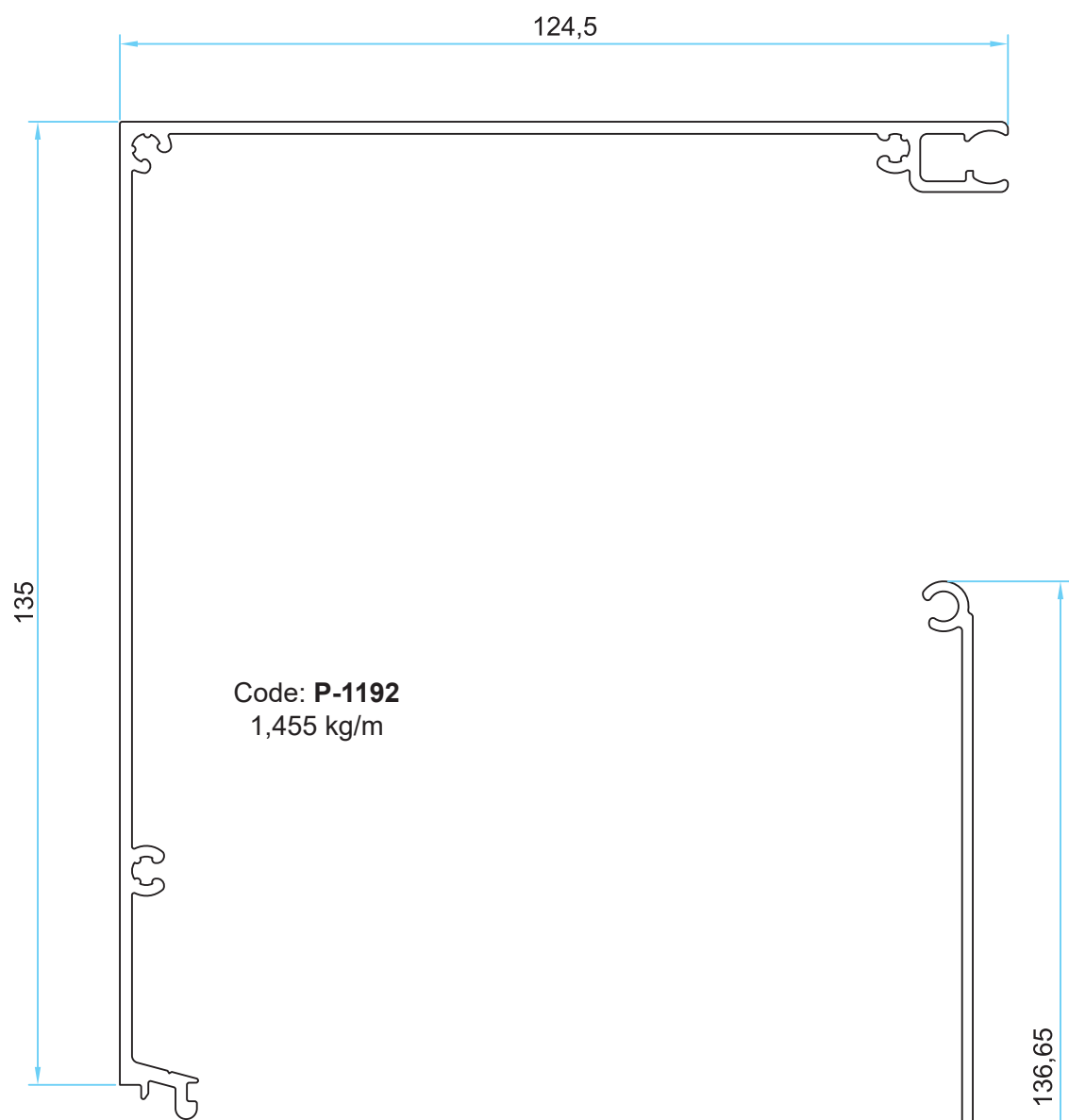
Code: **P-1188**
0,235 kg/m



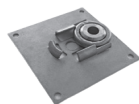
Code: **P-1183**
0,124 kg/m



Code: **P-1187**
0,711 kg/m



GL100 Guillotine System Accessory Package List

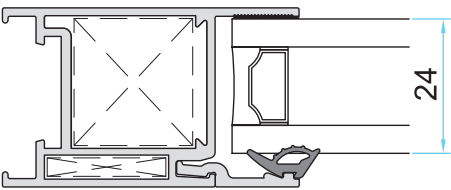
Code	Picture	Description	Quantity in Box	Unit	Code: AK-5470 accessory box set
AK-5451		Hinge Kit for the Sash&Frame	6	Set	
AK-5452		Plug Kit For Active Top Cap Profile	1	Set	
AK-5453		06B-1 Carbon Steel Chain (5m)	2	Pcs.	
AK-5454		Chain Gear	2	Pcs.	
AK-5455		Lazer Cutting Side Covers For The Motor Box	2	Pcs.	
AK-5456		Anchorage with Roller For The Motor Side	1	Pc.	
AK-5457		Anchorage For The Fixed Side	1	Pc.	
AK-5458		Adjustable Locking Striker	2	Pcs.	
AK-5459		Locking Piece For The Rod End	2	Pcs.	
AK-5460		Hidden Handle (7mm Square Pin)	1	Pc.	
AK-5461		Embedded Lock with Roller	2	Pcs.	
AK-5462		Inner Mechanism For The Handle Movement	1	Pc.	
AK-5463		Recessed Pull Handle For Sash	1	Pc.	
AK-5464		Stay Arm For Top Hung (15cm)	2	Pcs.	
AK-5465		Chain Guider	2	Pcs.	
AK-5466		Octagon Pipe Head with Ball Bearing	1	Pc.	

Picture / Code	Quantity Per Box	Box Weight
 GYT-036	500 m	7 kg
 GYT-037	200 m	9 kg
 GYT-038	200 m	11,6 kg
 GYT-039	200 m	13,8 kg
 GYT-040	200 m	13 kg
 GYT-041	40 m	12,8 kg
 GYT-042	40 m	12,2 kg
 AK-5467 Brush Sail	1200 m	
 AK-5468 Insulation Plastic for Clamp	30 m	

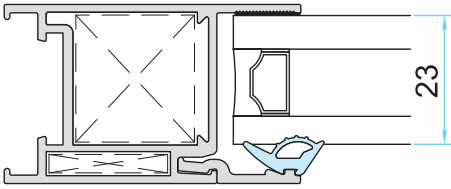
GASKET USAGE TABLE ACCORDING TO GLASS THICKNESS



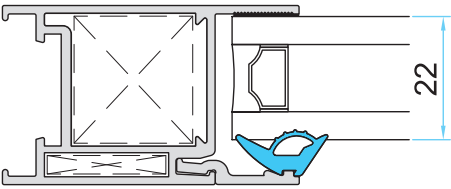
24mm

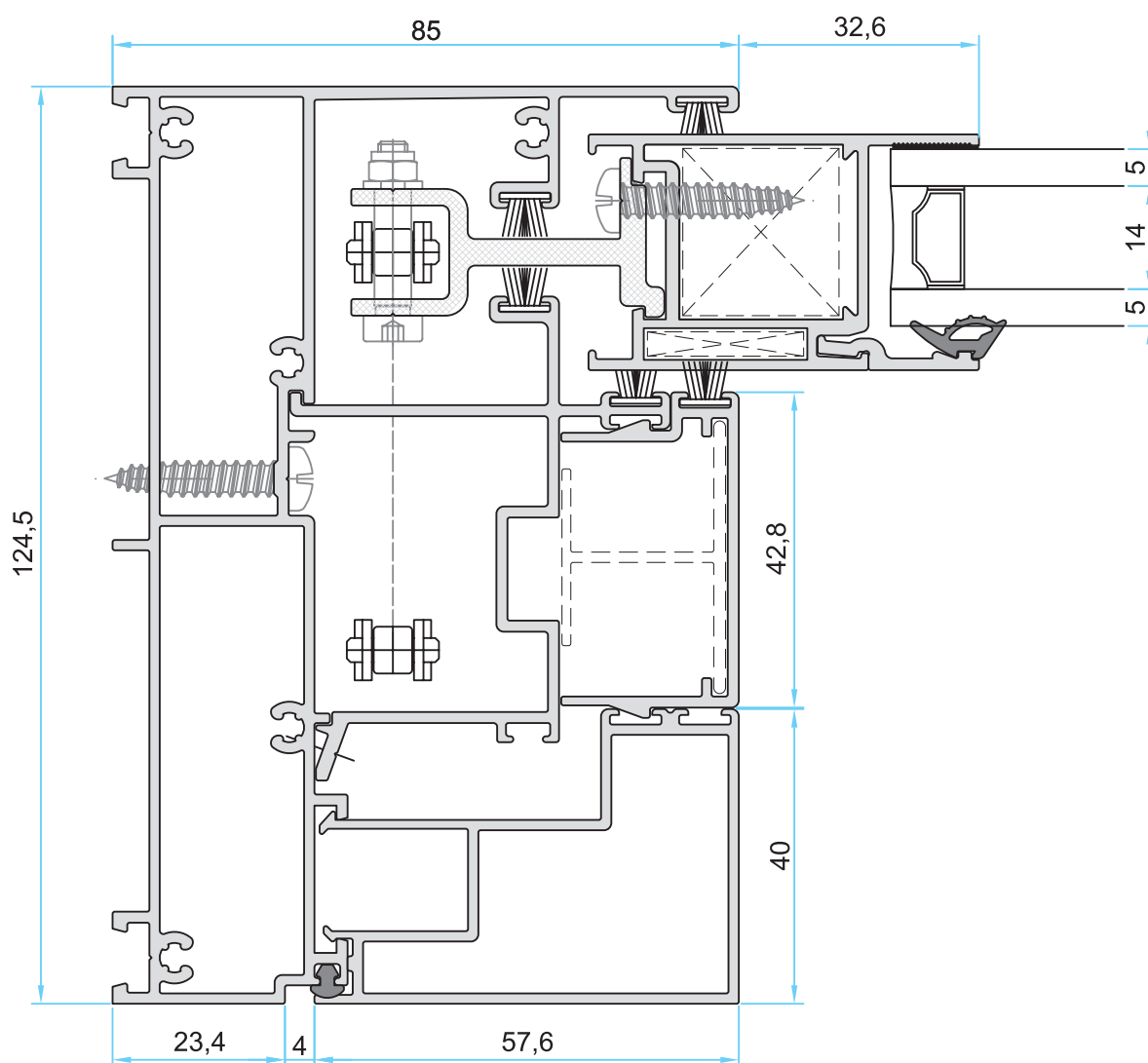
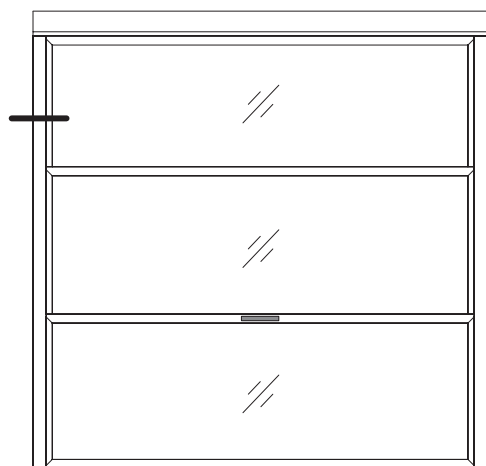


23mm

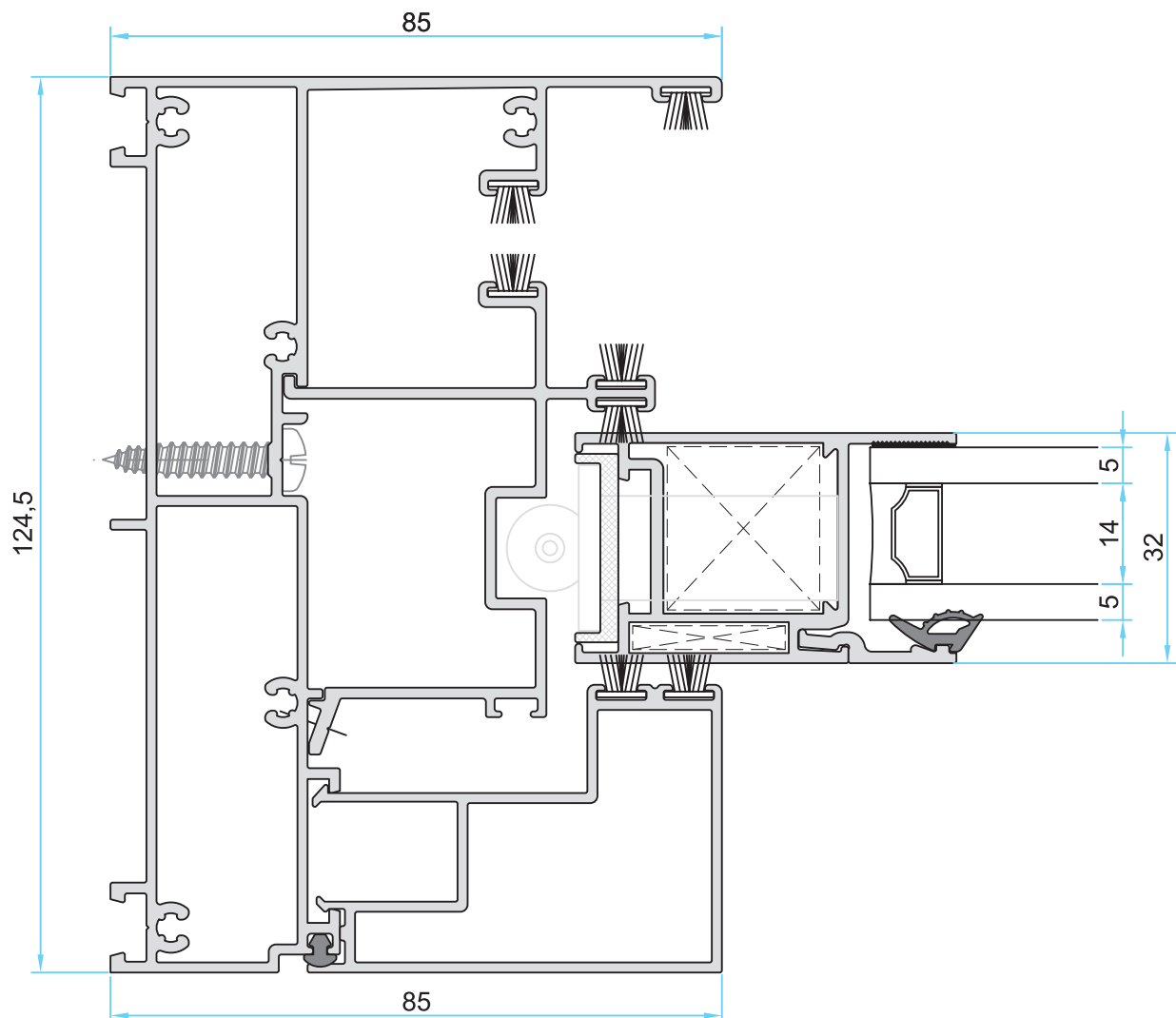
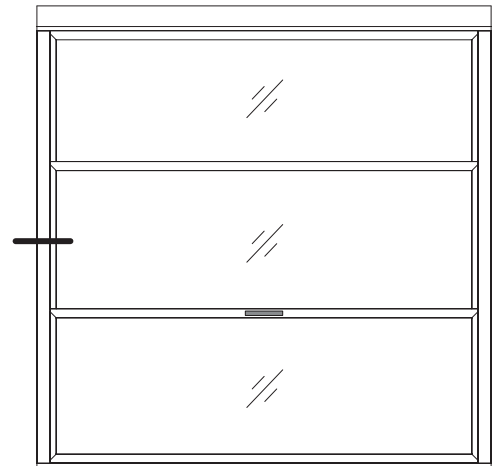


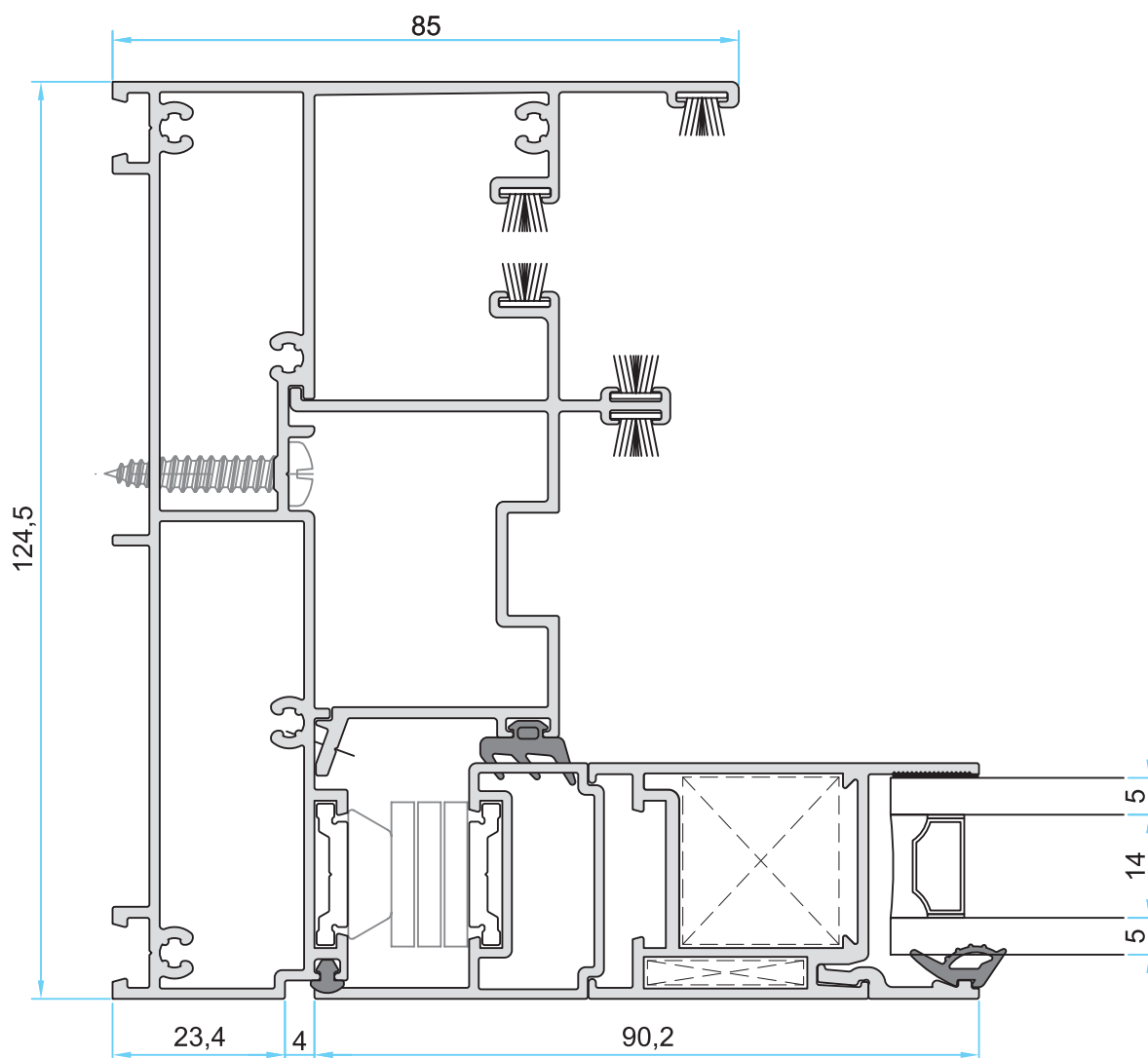
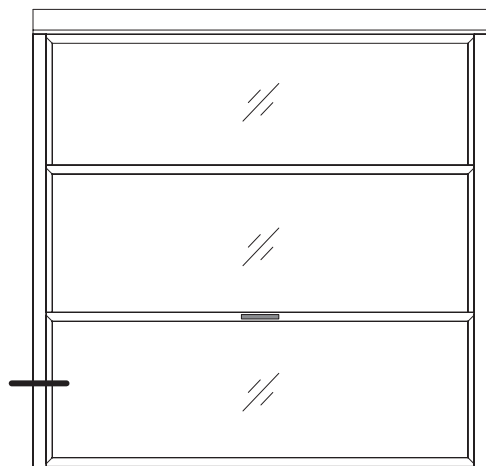
22mm



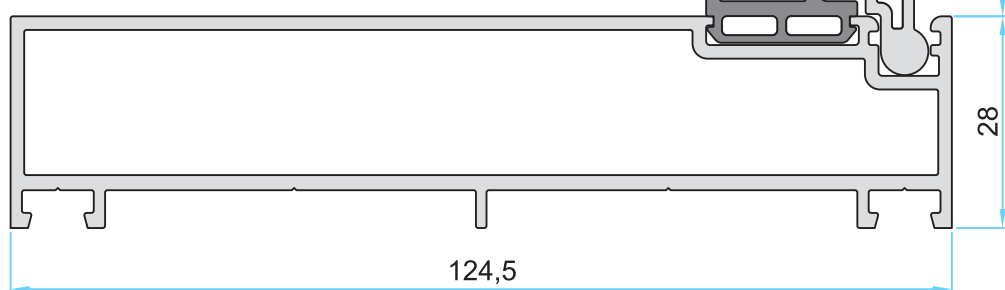
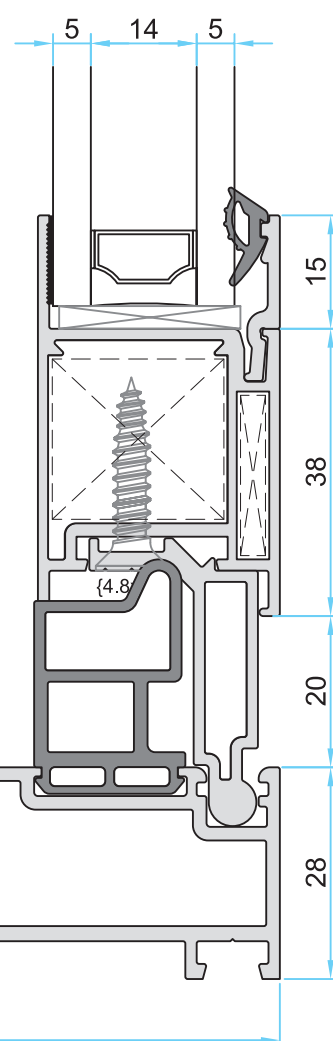
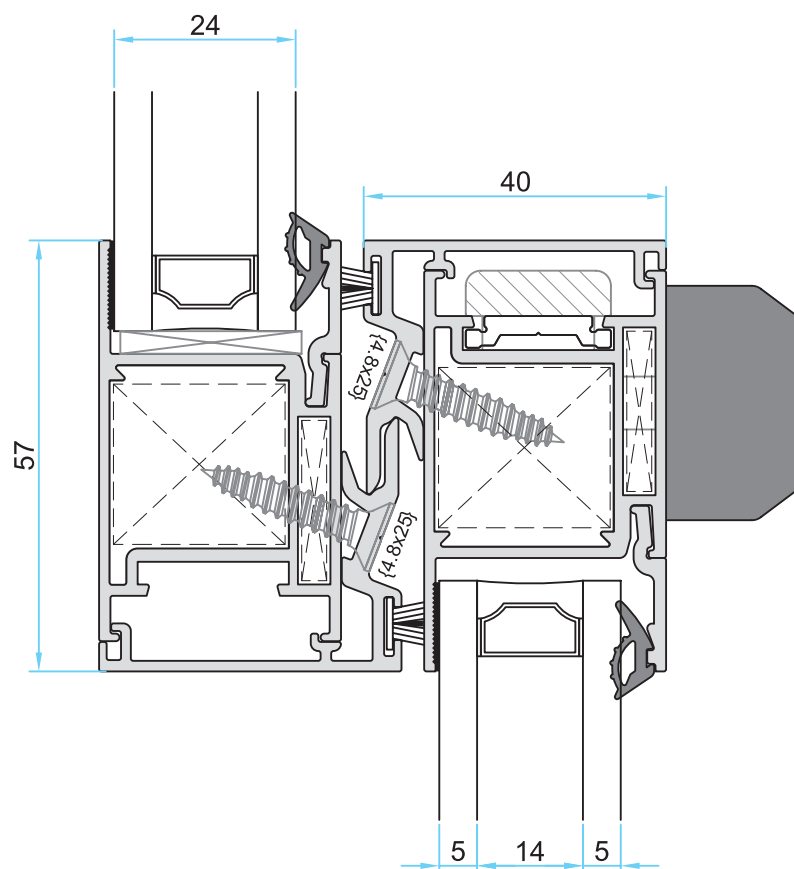
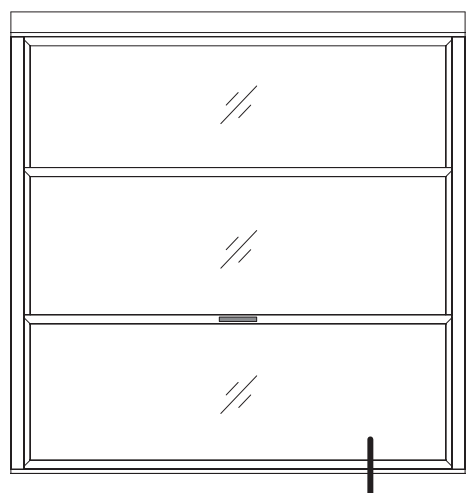
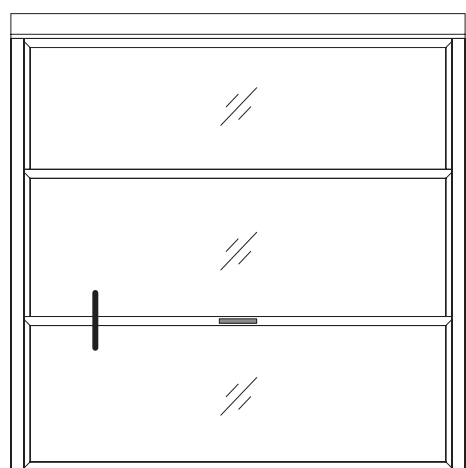


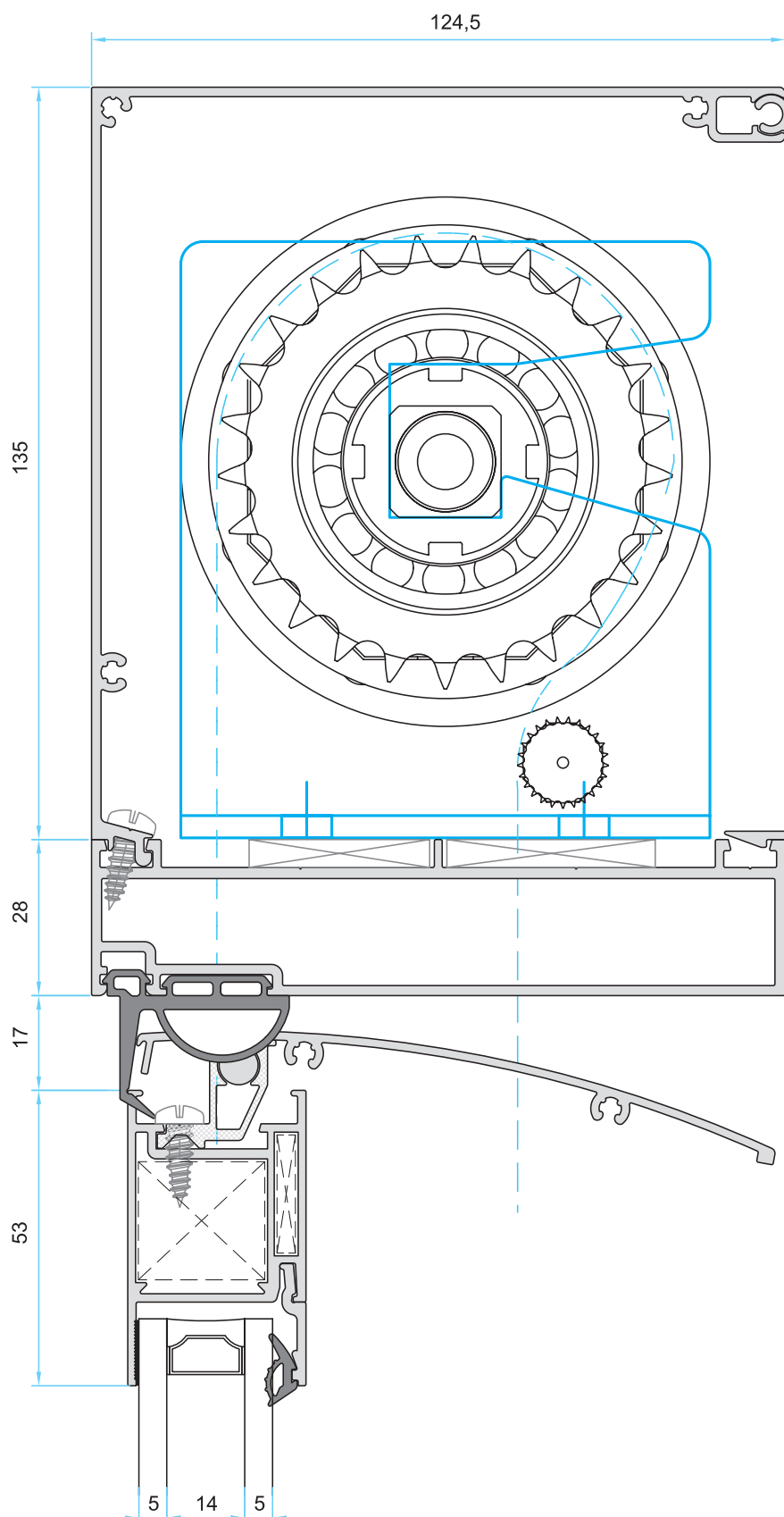
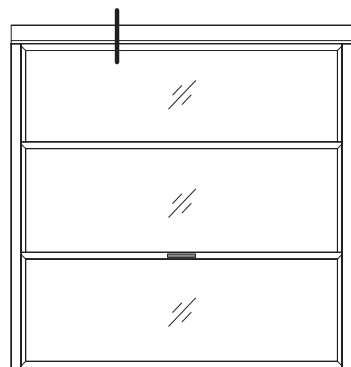
GUILLOTINE GLASS SYSTEM

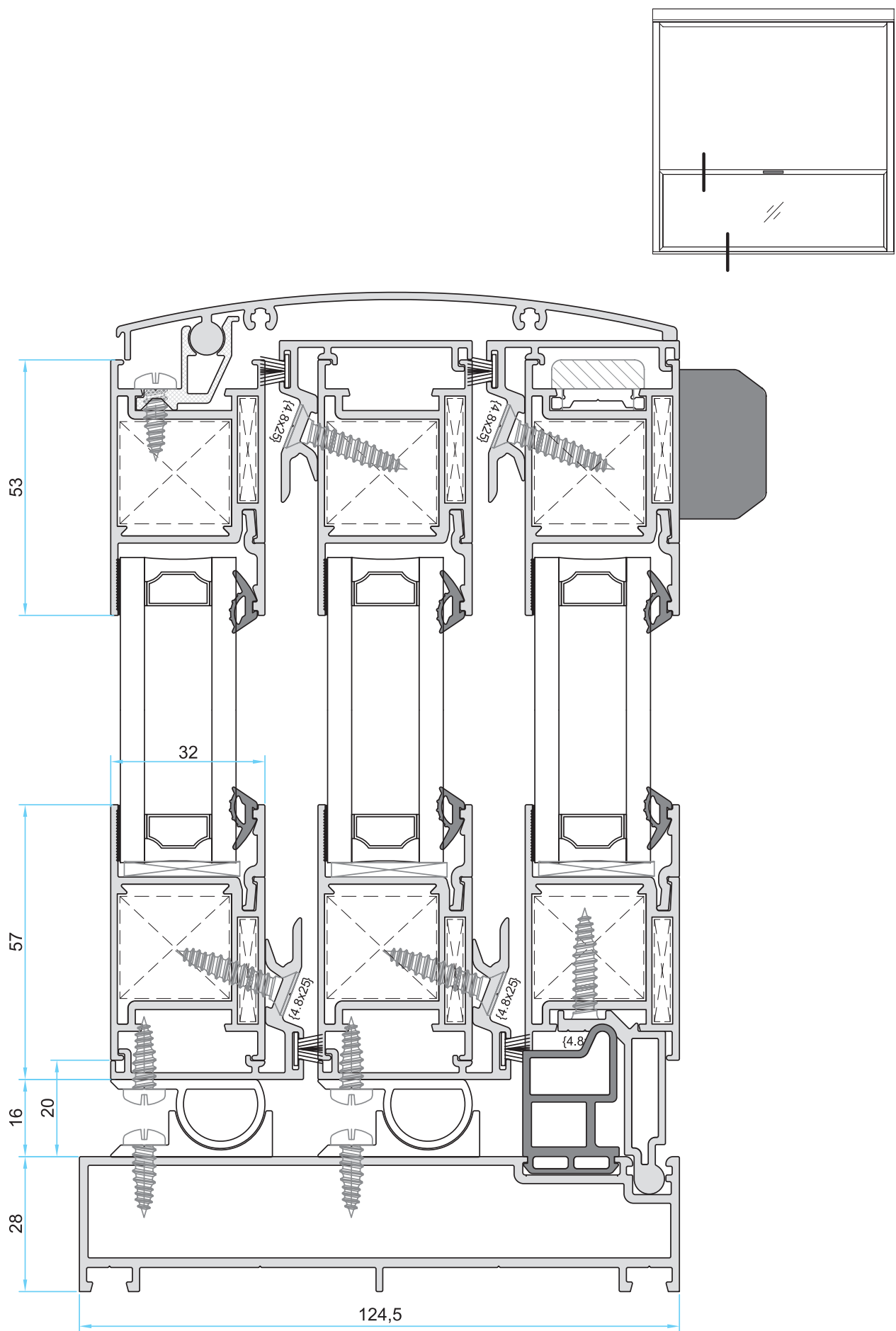


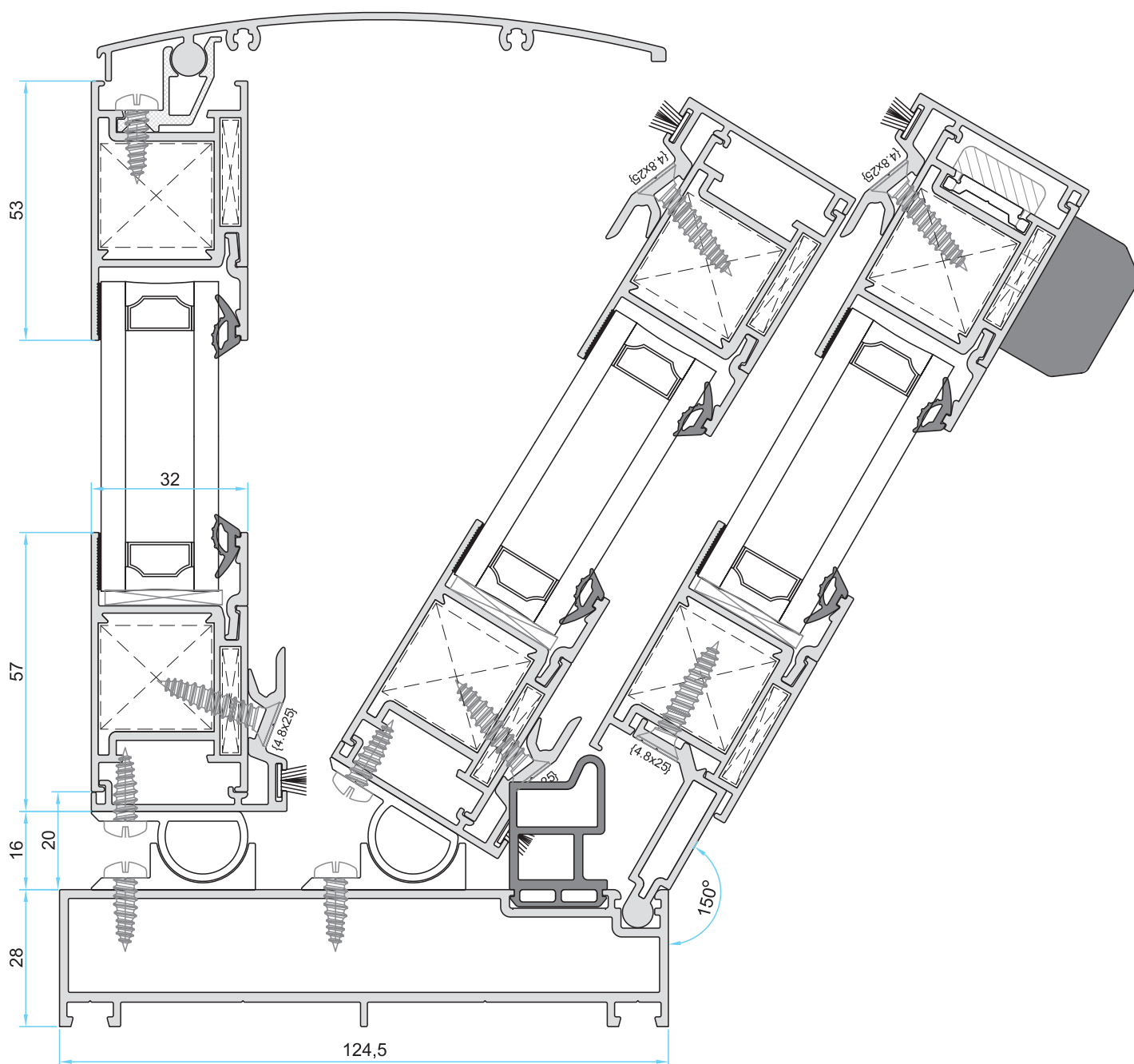


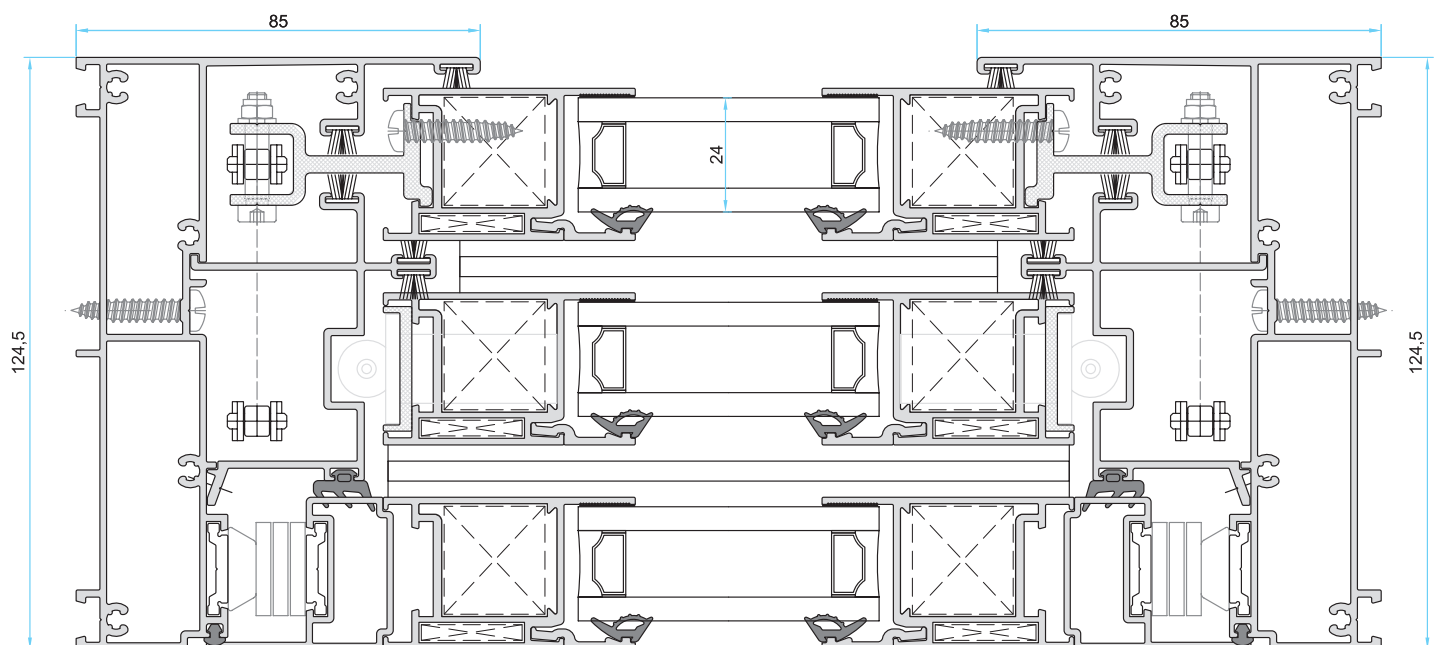
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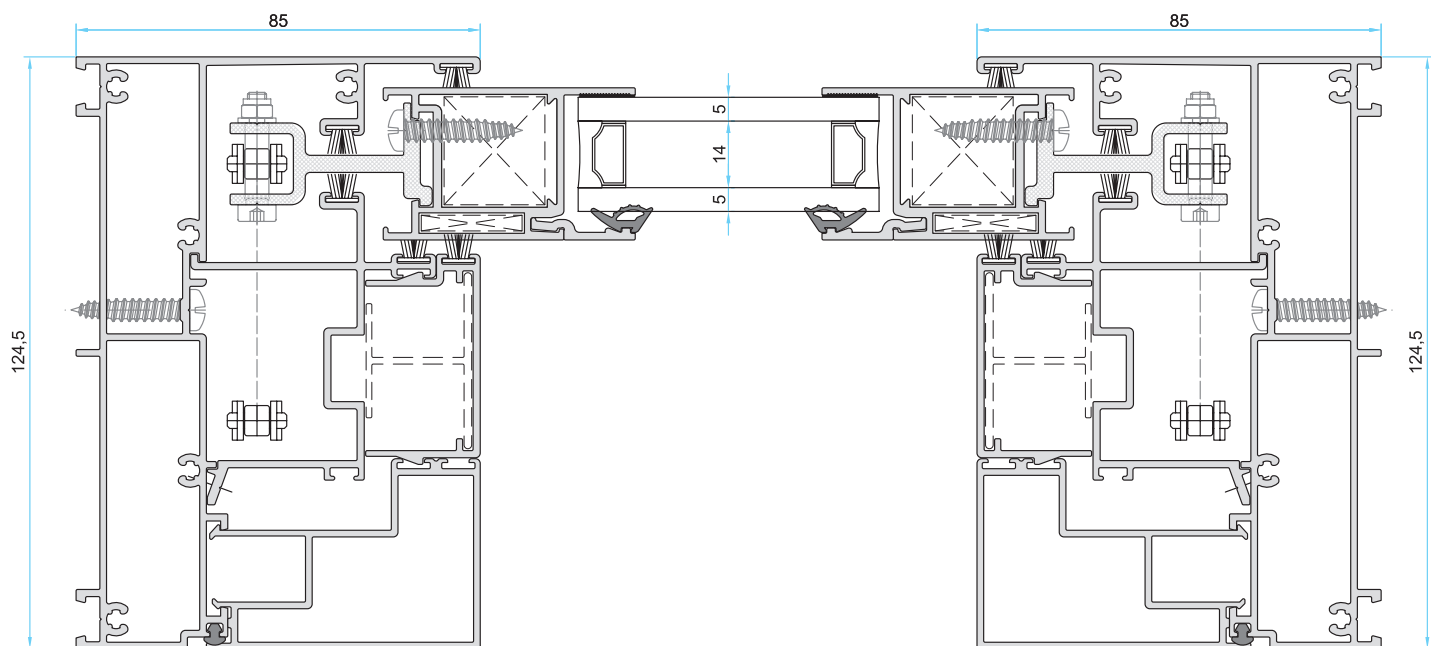
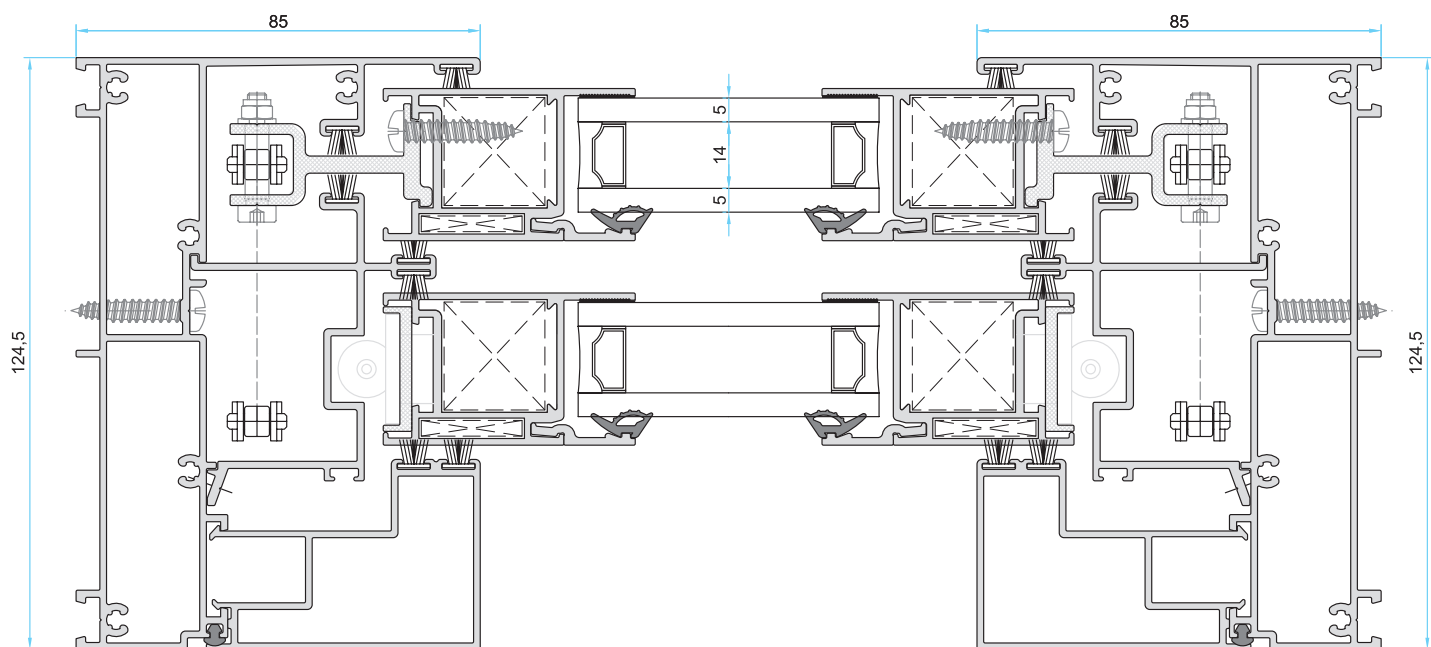




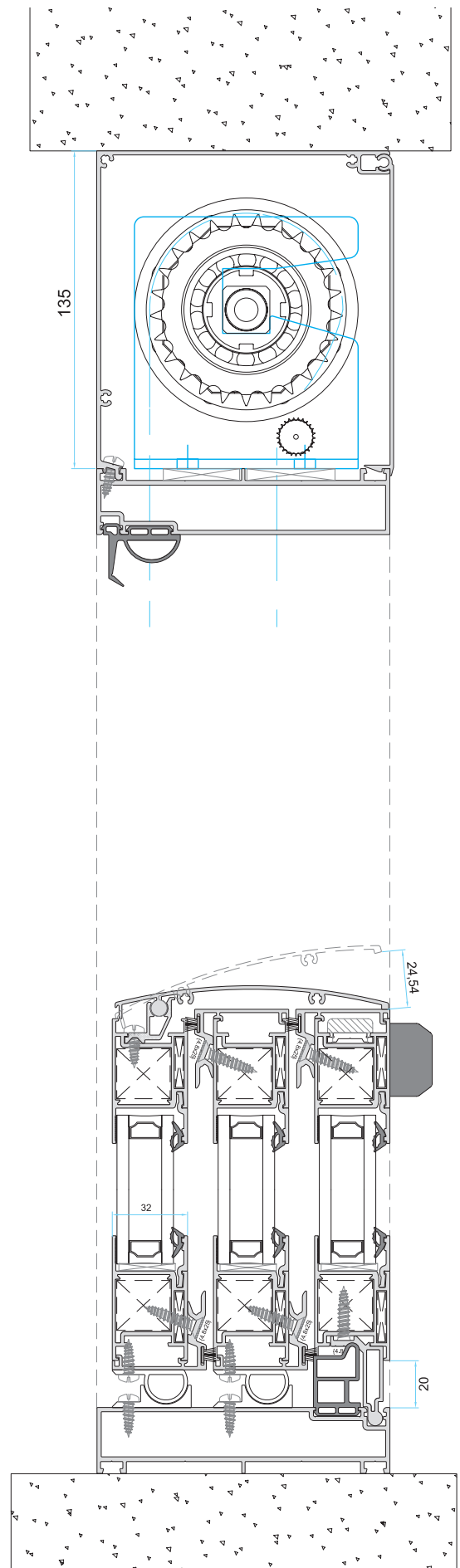
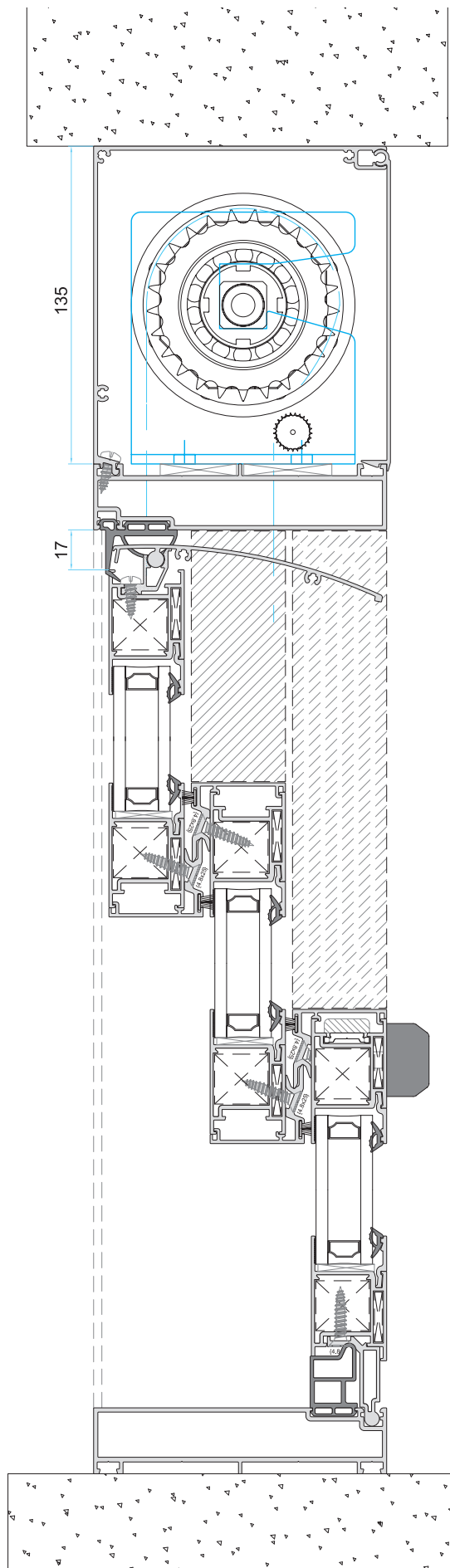


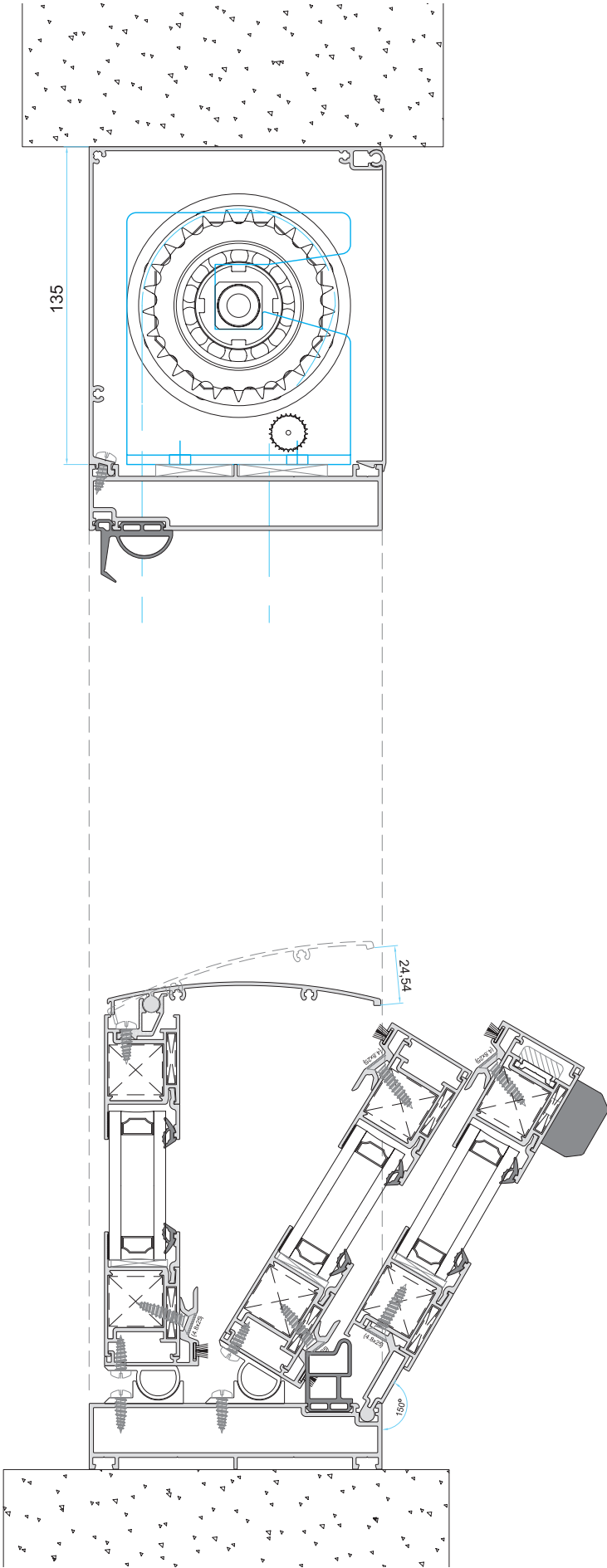
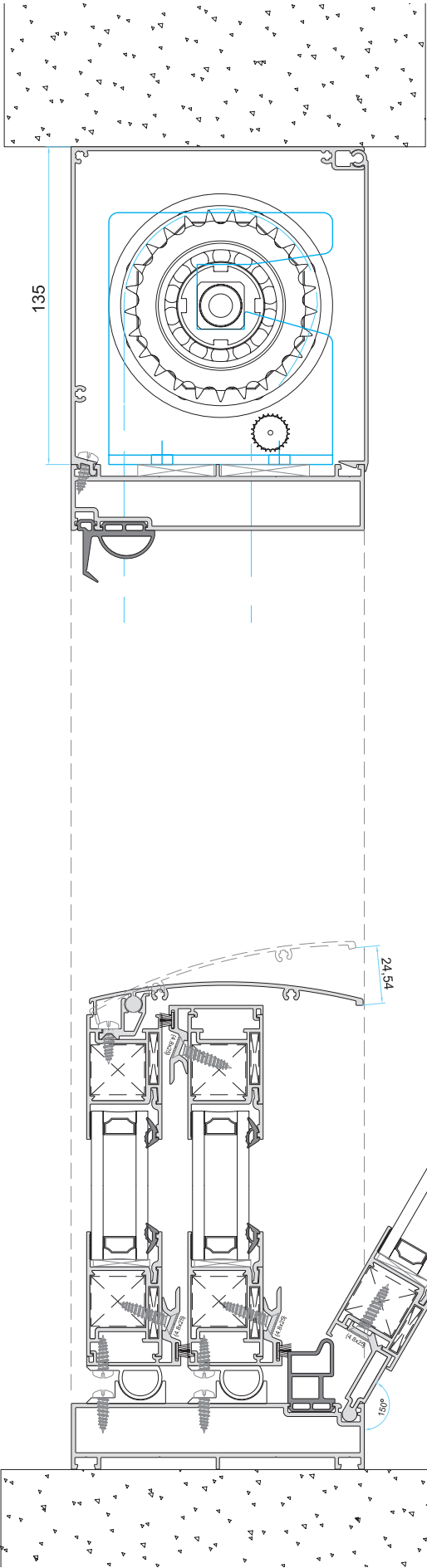






GUILLOTINE GLASS SYSTEM





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