Schüco Sliding System AS PD 75.HI

Architect Information





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Basis

Basis

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Product features

The new AS PD 75.HI Panorama platform

Since the middle of the 20th century, modern construction has been characterised by a minimalist trend to eliminate redundancy and emphasise quality. However, the requirements for multi-functionality have remained unchanged. Schüco has made it its goal to bring all these requirements together, without compromising on design and comfort. A great deal of innovation and development work have been successfully combined in our new Schüco Panorama Design sliding platform: AS PD 75.HI.

Three lines – maximum individuality
Schüco AS PD 75.HI brings together multi-functionality and style in three product lines, simplifying the consultation process for end customers while allowing them to express their individuality. The technical performance characteristics of all the lines are all at the highest level.



A marriage of design and comfort
- For the first time, the lift-and-slide mechanism combines concealed frame profiles with a barrier-free threshold
- The vents can be configured exactly as desired
- The optional integrated flush pull grip in the outer frame conceals the pull grip in the closed position
- Schüco WoodDesign allows Design units to be used in the interlock section (e.g. wood/aluminium appearance)

Linear appearance
- Concealed fittings both in the vent and the outer frame
- Uniform face widths when opened/closed
- Pull grip with a fresh design

A wide range of features
- Sun shading
- Mechatronic operation and safety
- Monitoring of closing
- Building Skin Control

Product lines

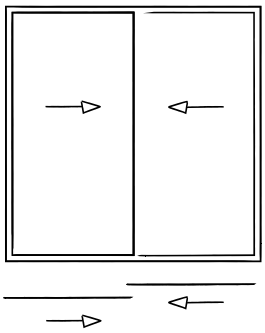


AS PD 75.HI platform		
Access Line	**Design Line**	**Performance Line**
Convenience and complete barrier-free access are the focus	Design Line fulfils exacting design requirements with its 100% panorama design.	Performance Line combines the best qualities of all our product lines in one system

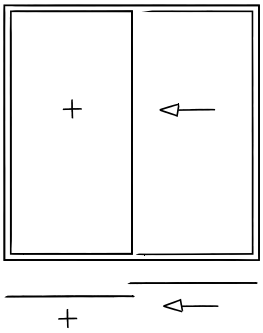
Opening types*

Schüco AS PD 75.HI unit types with 2 tracks

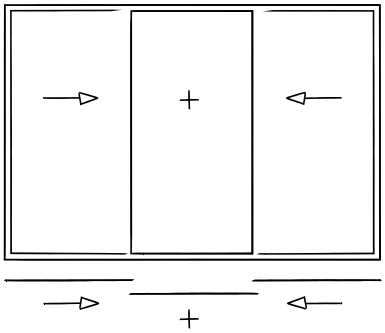
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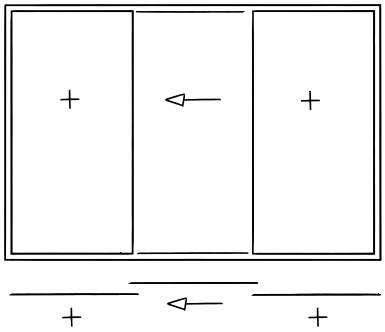
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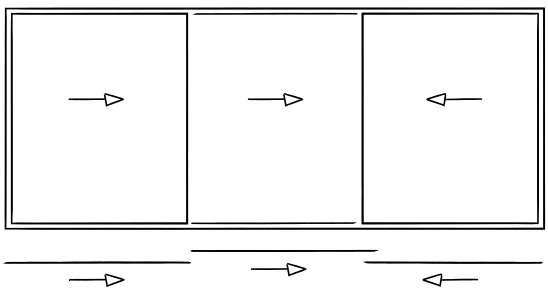
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Type 2 C



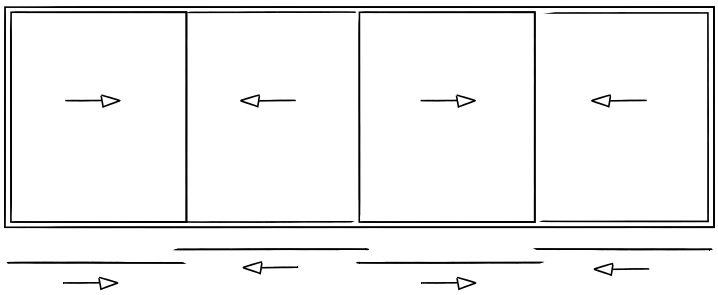
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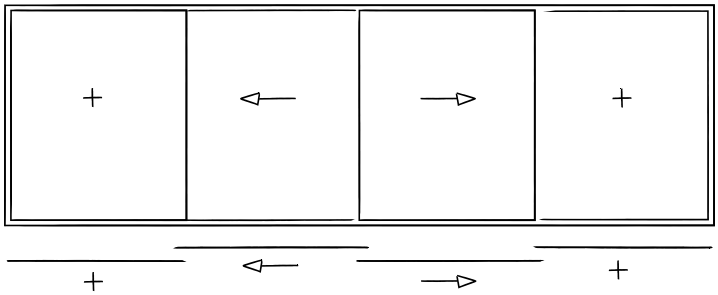
* Other opening types and solutions available from our PreFab Paderborn. See pages 72 to 75

Schüco AS PD 75.HI unit types with 2 tracks

Type 2 G



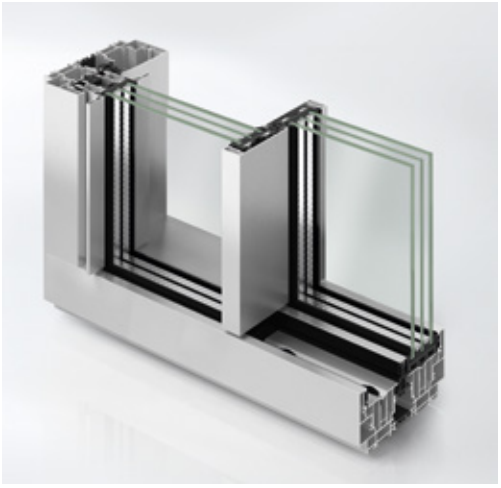
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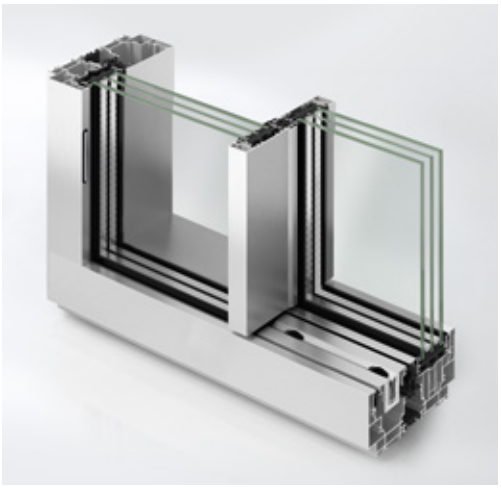
System features



Schüco AS PD 75.HI – Access Line
The focus of Access Line is on convenience and features a barrier-free threshold and simple operation.



Schüco AS PD – Design Line
With Design Line, the aesthetics take centre stage and meet all the requirements of maximum transparency.



Schüco AS PD – Performance Line
The Performance Line combines the best qualities of all our product lines in one system

Properties	Access Line	Design Line	Performance Line
Basic depth of outer frame	218 mm	218 mm	218 mm
Vent basic depth	75 mm	75 mm	75 mm
Max. vent width	3.500 mm	3.500 mm	3.500 mm
Max. vent weight	3.500 mm	3.500 mm	3.500 mm
Max. vent weight	500 kg*	500 kg*	600 kg
Face width of interlock section	35 mm	35 mm	35 mm
Frameless appearance		■	■
Barrier-free threshold	■		■
Glass thickness	40 - 60 mm	40 - 60 mm	40 - 60 mm
Manual operation	■	■	
TipTronic	■	■	■
Technical performance			
Resistance to wind load	Class B4/C3	Class B4/C2	C4
Air permeability up to	Class 4	Class 4	Class 4
Watertightness up to	Class 8A	Class E750	Class E1050
Thermal insulation up to U(w) (W/m^2k)	0.99	0.99	0.97
Burglar resistance	RC 2	RC 2	RC 3
Design options			
Dynamic cover profile	■	■	■
Integrated flush pull grip		■	
Wood Design	■	■	■
Handle	■	■	
Turn knob	■		
Features			
Sun shading	■	■	■
Monitoring of opening and closing	■	■	■
Locking in the ventilation position	■	■	
Smart home	■	■	■

DESIGN AWARD 2023

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Overview of sliding systems

	Schüco ASE 60	Schüco ASE 80.HI	Schüco ASE 67 PD	Schüco AS PD 75.HI – Access Line	Schüco AS PD 75.HI – Design Line	Schüco AS PD 75.HI – Performance Line	Schüco AS AL 75	Schüco ASS 77 PD.HI manual	Schüco ASS 77 PD.HI	Schüco ASS 39 PD.NI	Schüco ASS 32 SC	Schüco ASS 39 SC	Schüco ASS 43 / ASS 48	Schüco ASS 50	Schüco ASS 50.NI	Schüco ASS 70 FD	Schüco ASS 80 FD.HI	Schüco AS FD 90.HI	Schüco AS FD 75
Series																			
Energy																			
Non-insulated										■					■				
Thermally insulated	■		■								■	■	■	■		■			■
Highly thermally insulated		■		■	■	■	■	■	■								■	■	
With maximum thermal insulation																			
Design																			
Basic depth of outer frame in mm	60	80	67	75	75	75	75	77	77	39	32	39	43/48	50	50	70	80	90	75
Maximum vent weight in kg	600	600	400	500	500	1000	1800	500	500	270	160	160	230	400	150	150	100	150	150
90° corner	■	■	■	■*	■*	■*			■	■						■	■		
Continuous pull grip profile			■	■	■			■		■									
Number of tracks																			
Single track	■	■										■	■	■		■	■	■	■
Double track	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
Triple track	■	■	■	■*	■*	■*		■	■	■	■	■	■	■					
Opening types																			
Sliding vent	■	■	■	■	■		■	■	■	■	■	■	■	■	■				
Lift-and-slide vent	■	■				■								■	■				
Folding sliding door																■	■	■	■
Areas of use																			
Window	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Door	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Balcony glazing											■	■	■			■	■		
Conservatory insert unit	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Fittings																			
Crank handle	■	■							■					■	■				
Sliding handle	■	■	■				■	■	■	■	■	■		■	■				
Folding handle																■	■	■	■
Lever handle																■	■		■
Window handle											■	■	■						
Operating switch	■			■[1)]	■[1)]	■	■		■										

* Other opening types and solutions available from our PreFab Paderborn. See pages 72 to 75

	Schüco ASE 60	Schüco ASE 80.HI	Schüco ASE 67 PD	Schüco AS PD 75.HI – Access Line	Schüco AS PD 75.HI – Design Line	Schüco AS PD 75.HI – Performance Line	Schüco AS AL 75	Schüco ASS 77 PD.HI manual	Schüco ASS 77 PD.HI	Schüco ASS 39 PD.NI	Schüco ASS 32 SC	Schüco ASS 39 SC	Schüco ASS 43/ASS 48	Schüco ASS 50	Schüco ASS 50.NI	Schüco ASS 70 FD	Schüco ASS 80 FD.HI	Schüco AS FD 90.HI	Schüco AS FD 75
Series																			
Automation																			
Mechatronic operation	■	■		■[1]	■[1]	■	■		■										
Access control				■	■	■	■							■					
Security																			
Burglar resistance in accordance with DIN EN 1627 (DIN V ENV 1627)																			
Up to class RC 2 (WK2)	■	■	■	■	■		■	■	■		■	■	■	■	■	■	■	■	■
Up to class RC 3 (WK3)		■				■													
Monitoring of closing	■	■	■	■	■	■	■	■	■					■	■				

[1] Only in the TipTronic option



Schüco AS PD 75.HI
Access Line

Schüco AS PD 75.HI Access Line

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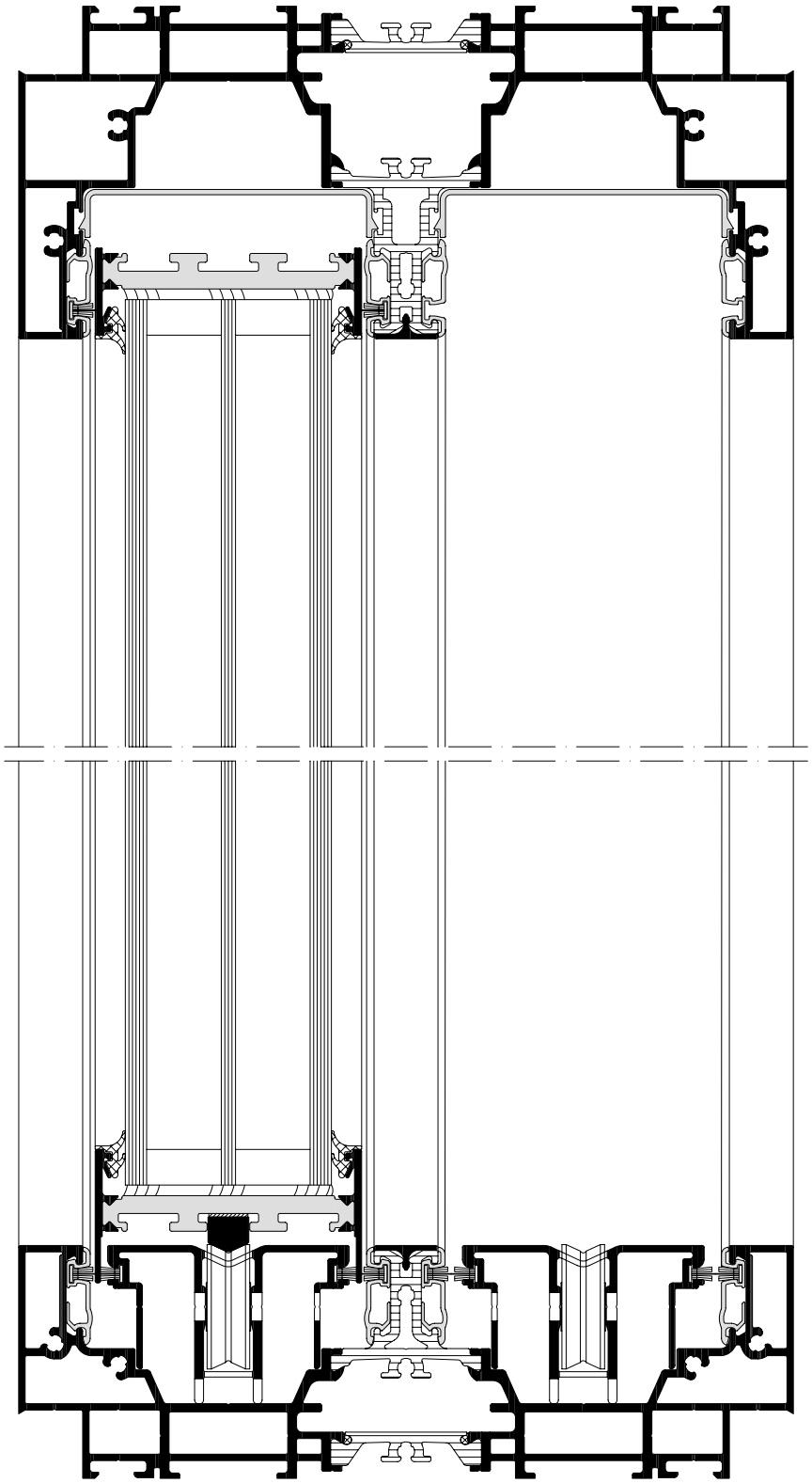
18 Technical information

20 Unit section details

Graphical planning data such as detailed drawings, attachment to building structure drawings and CAD drawings, which you can find in our technical documentation (manuals, Architect Information and instructions) as well as our CAD and BIM data libraries and which you can save to your computer, are examples which are intended to help you plan and design your project. This content must be checked for its suitability in the relevant structural scenario. The technical and legal regulations, the site conditions, and the design and structural requirements must be assessed and planned independently by the developer and observed by the company contracted to do the work.

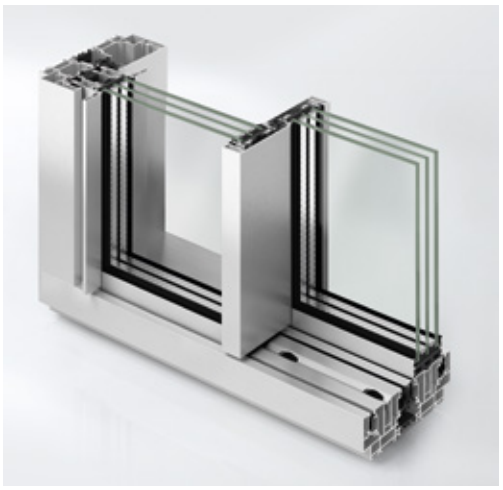
Technical information

Schüco Panorama Access Line sliding system – double-track, type 2A

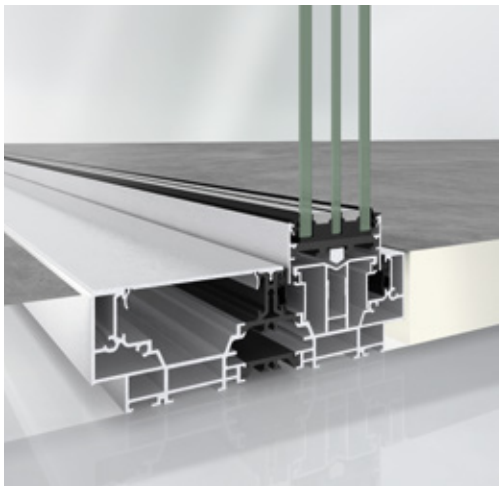


Vertical section through the moving vent
Scale 1:2

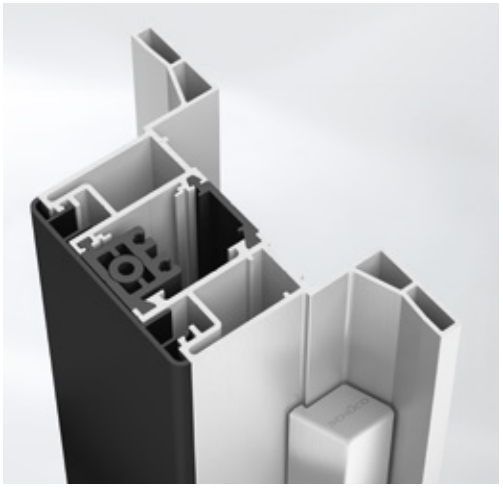
Key features of Access Line



The focus of Access Line is on convenience and features a barrier-free threshold and simple operation.



Level threshold for barrier-free access.



A pull grip with a fresh design for convenient, manual operation.



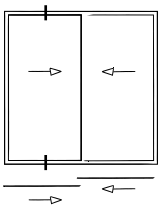
A turn knob in the interlock section is an alternative means of operation to the pull grip.

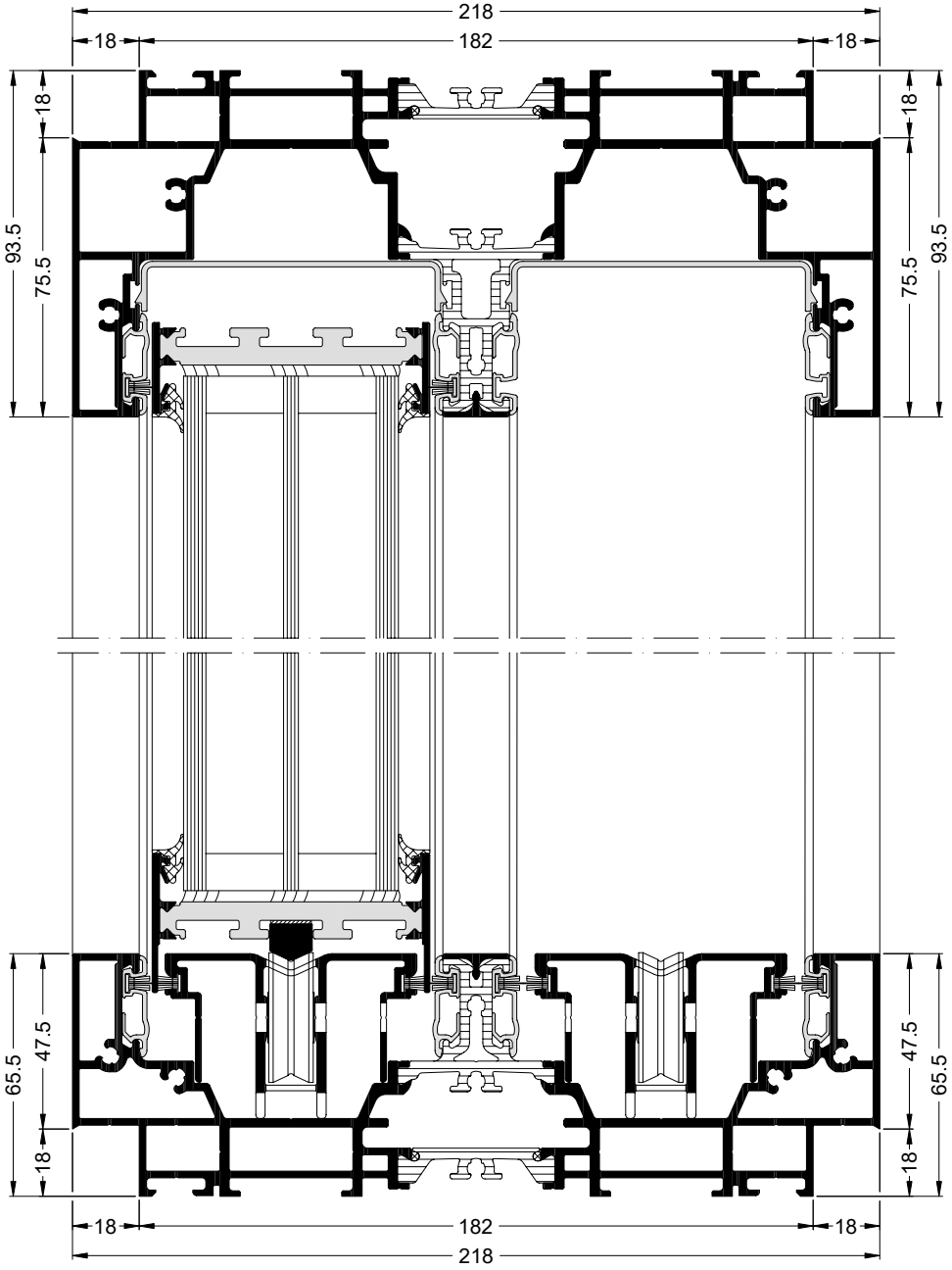
Features of Access Line

- Sun shading
- TipTronic
- Monitoring of closing
- WoodDesign
- Dynamic cover profile
- Dynamic cover profile
- Locking in open position

Unit section details

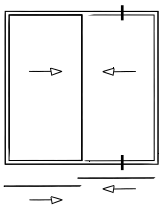
Schüco AS PD 75.HI, type 2A, vertical section detail through sliding vent

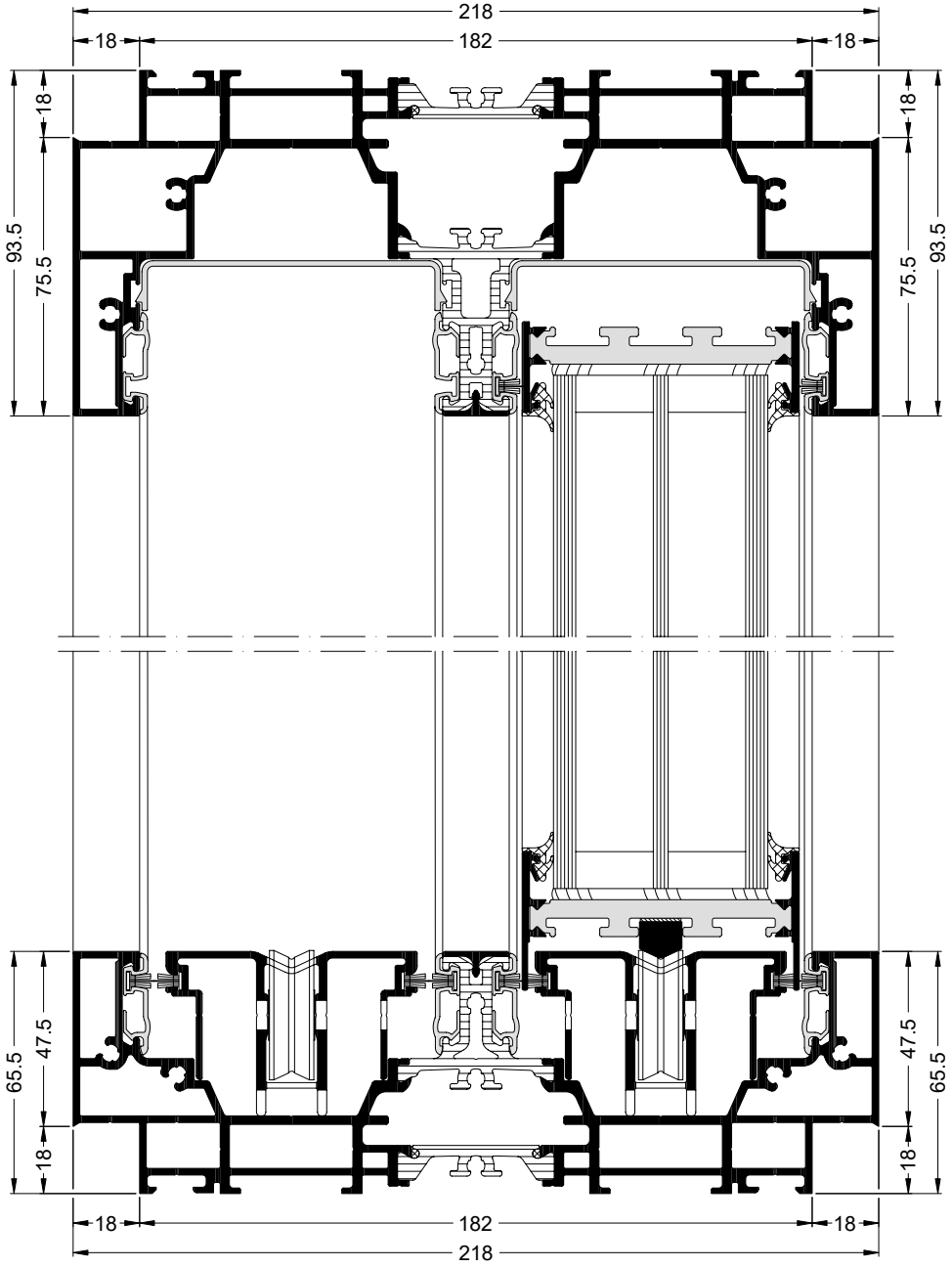




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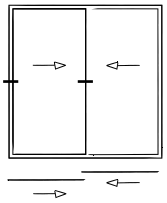
Schüco AS PD 75.HI, type 2A, vertical section detail through sliding vent

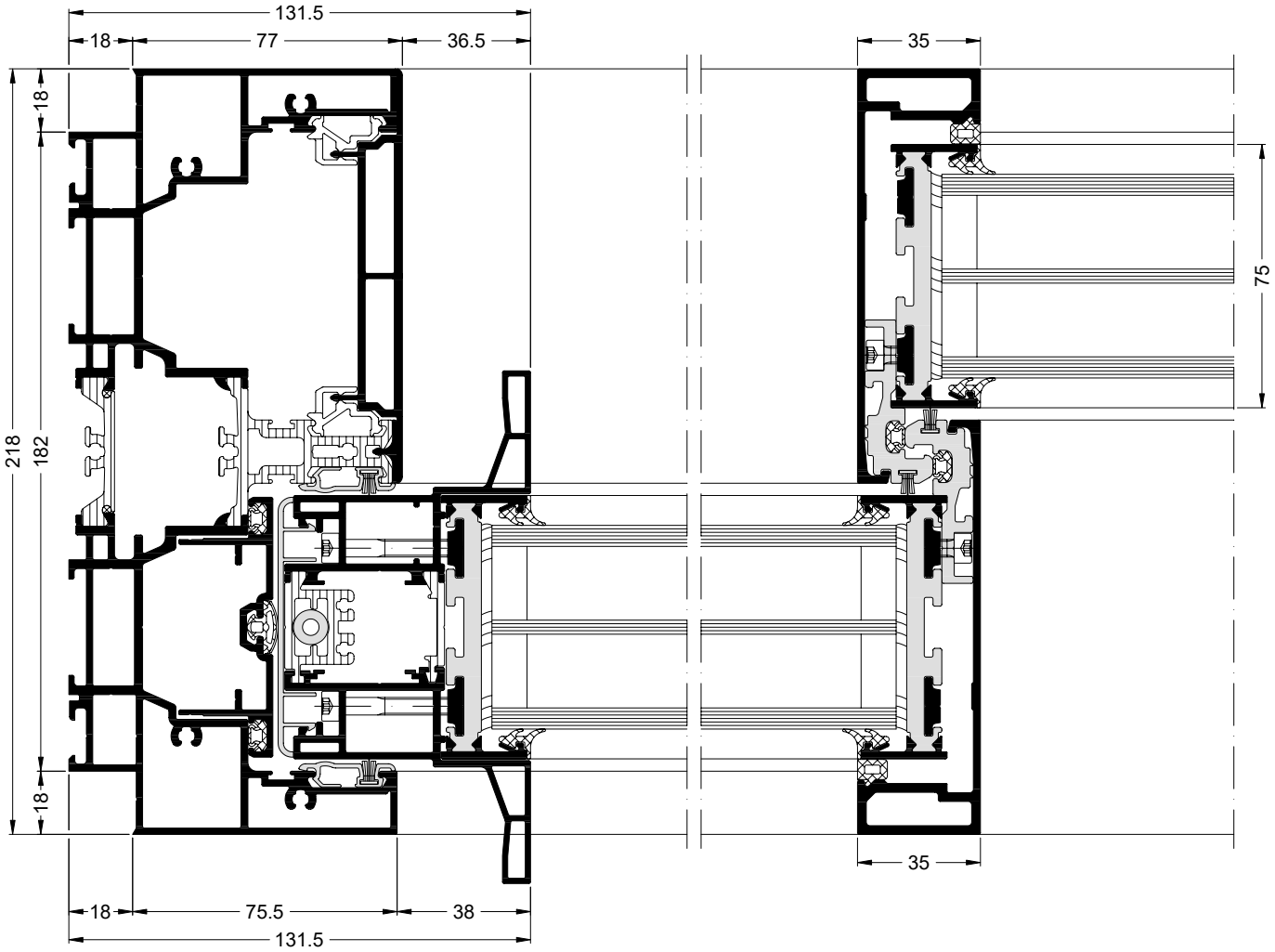




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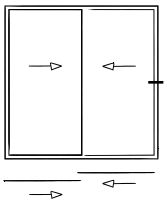
Schüco AS PD 75.HI, type 2A, horizontal section detail through interlock section

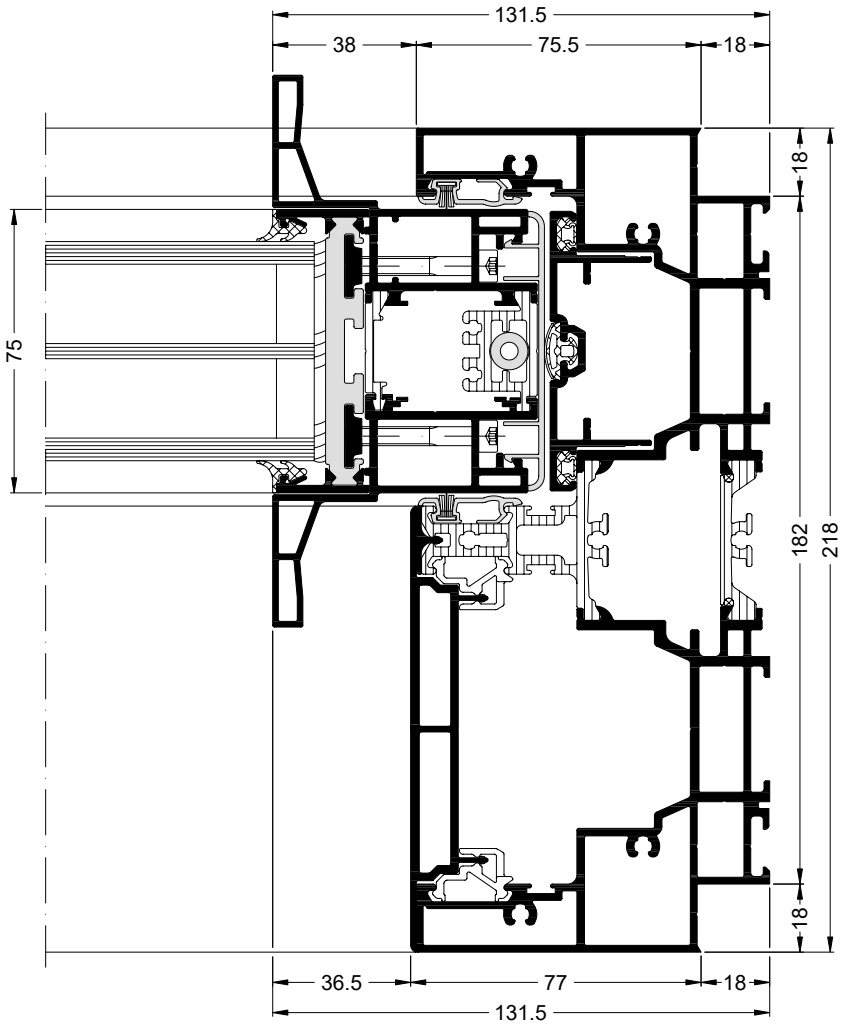




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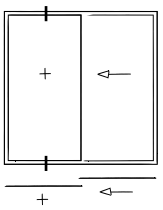
Schüco AS PD 75.HI, type 2A, horizontal section detail through sliding vent

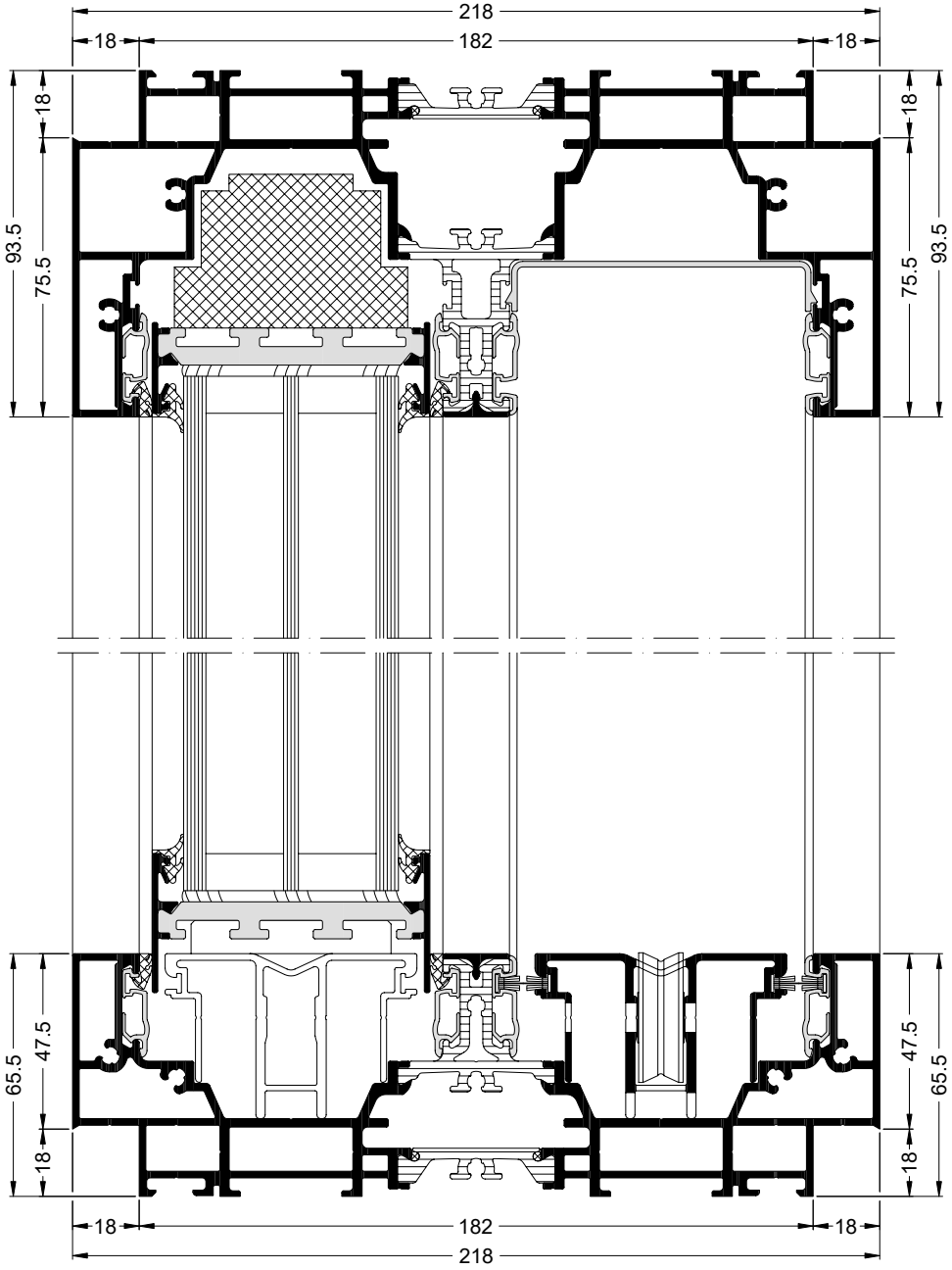




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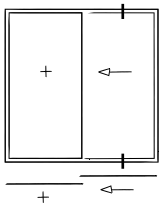
Schüco AS PD 75.HI, type 2A/1, vertical section detail through fixed light

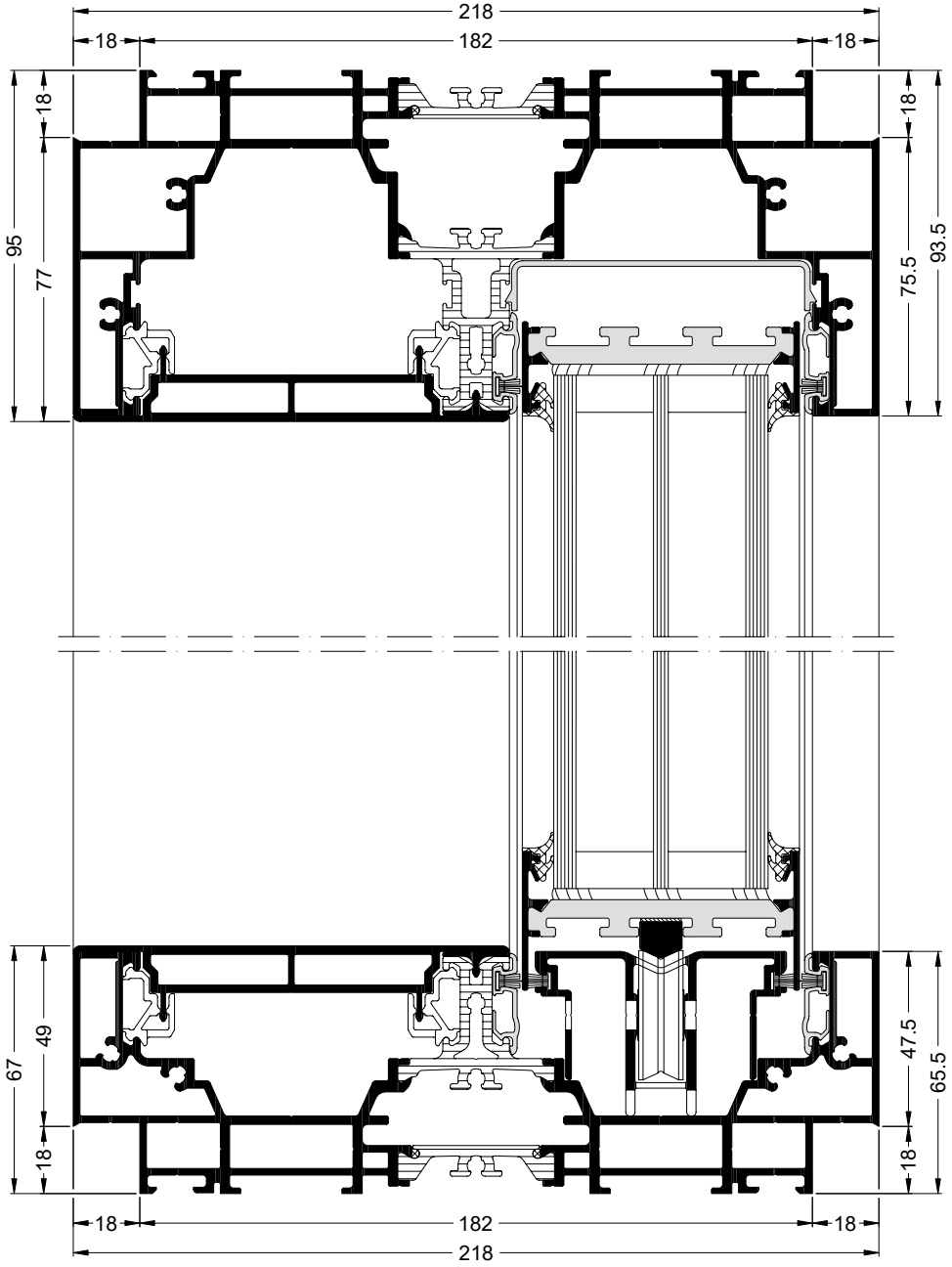




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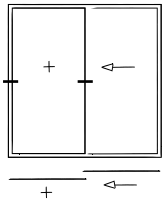
Schüco AS PD 75.HI, type 2A/1, vertical section detail through sliding vent

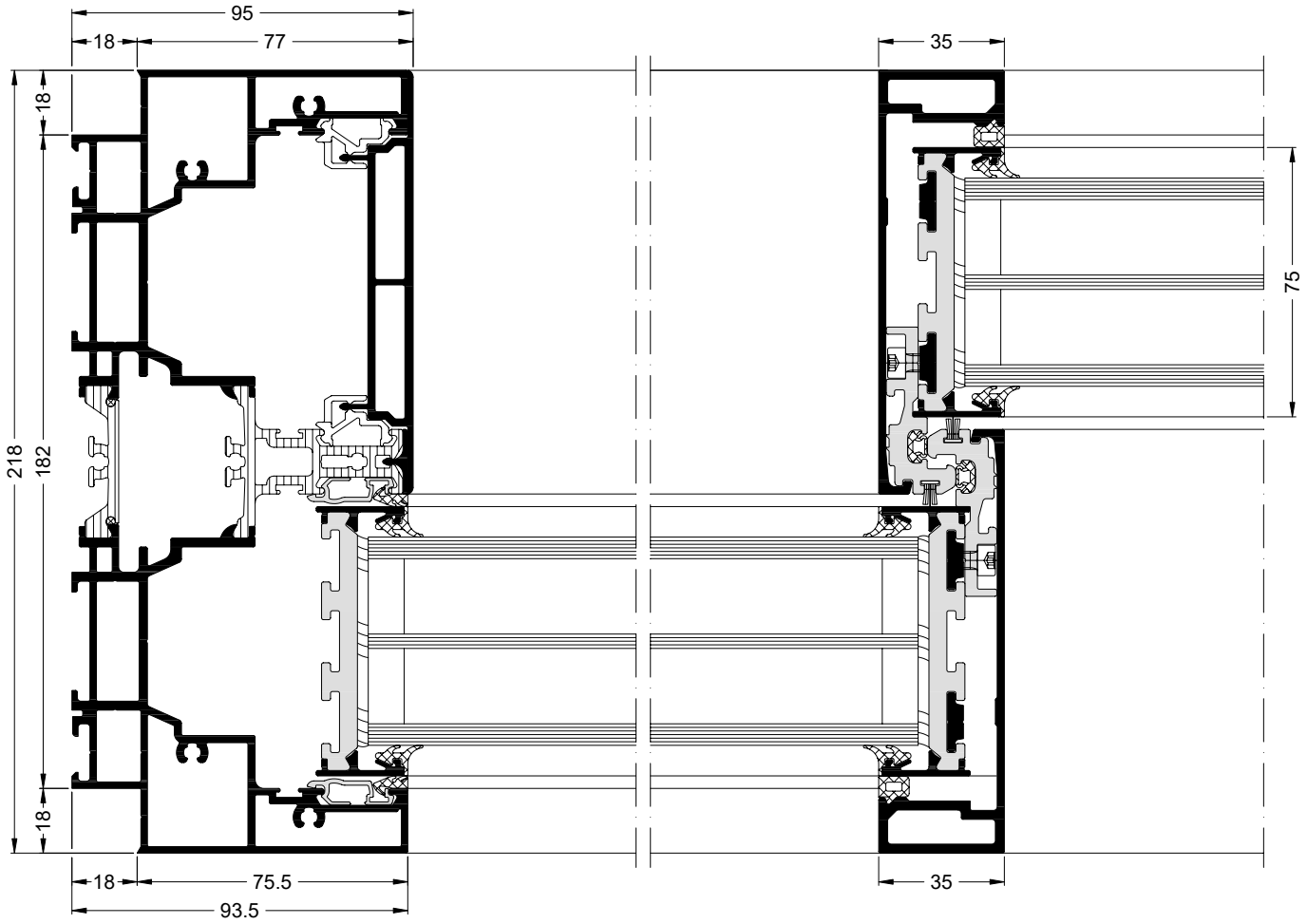




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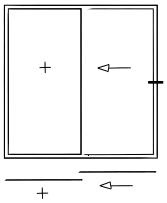
Schüco AS PD 75.HI, type 2A/1,
horizontal section detail through fixed light and interlock section

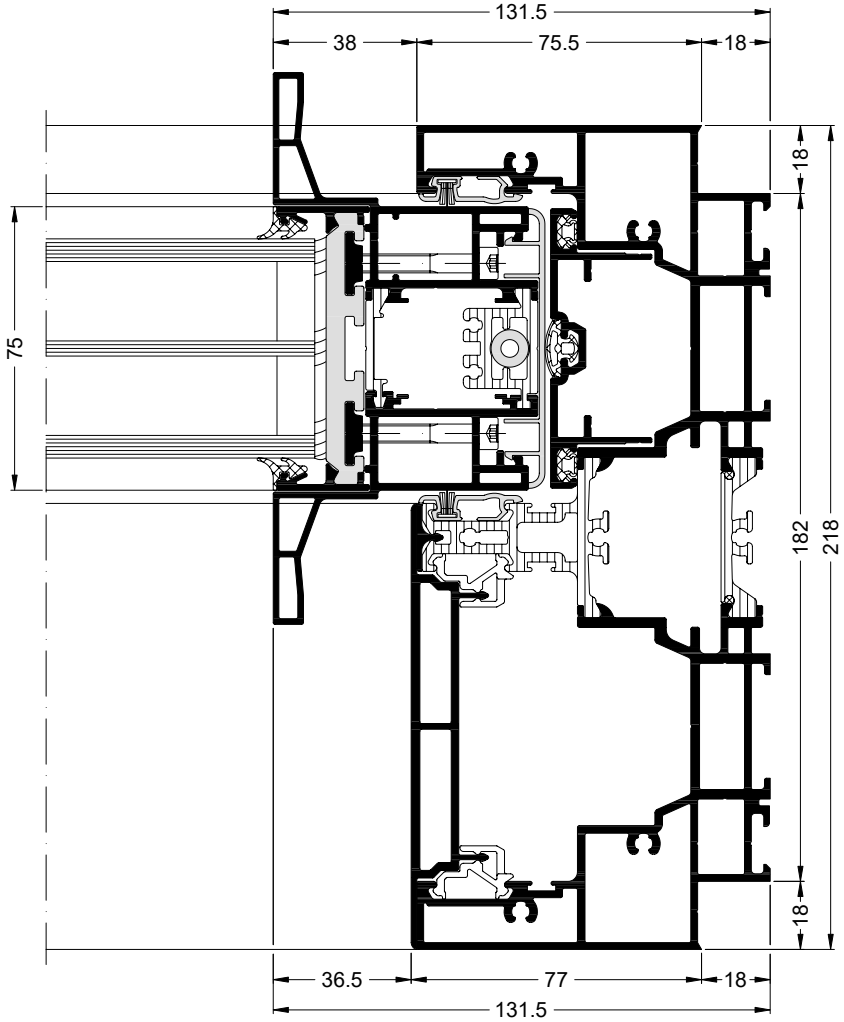




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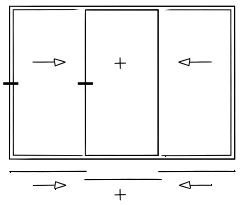
Schüco AS PD 75.HI, type 2A/1, horizontal section detail through sliding vent

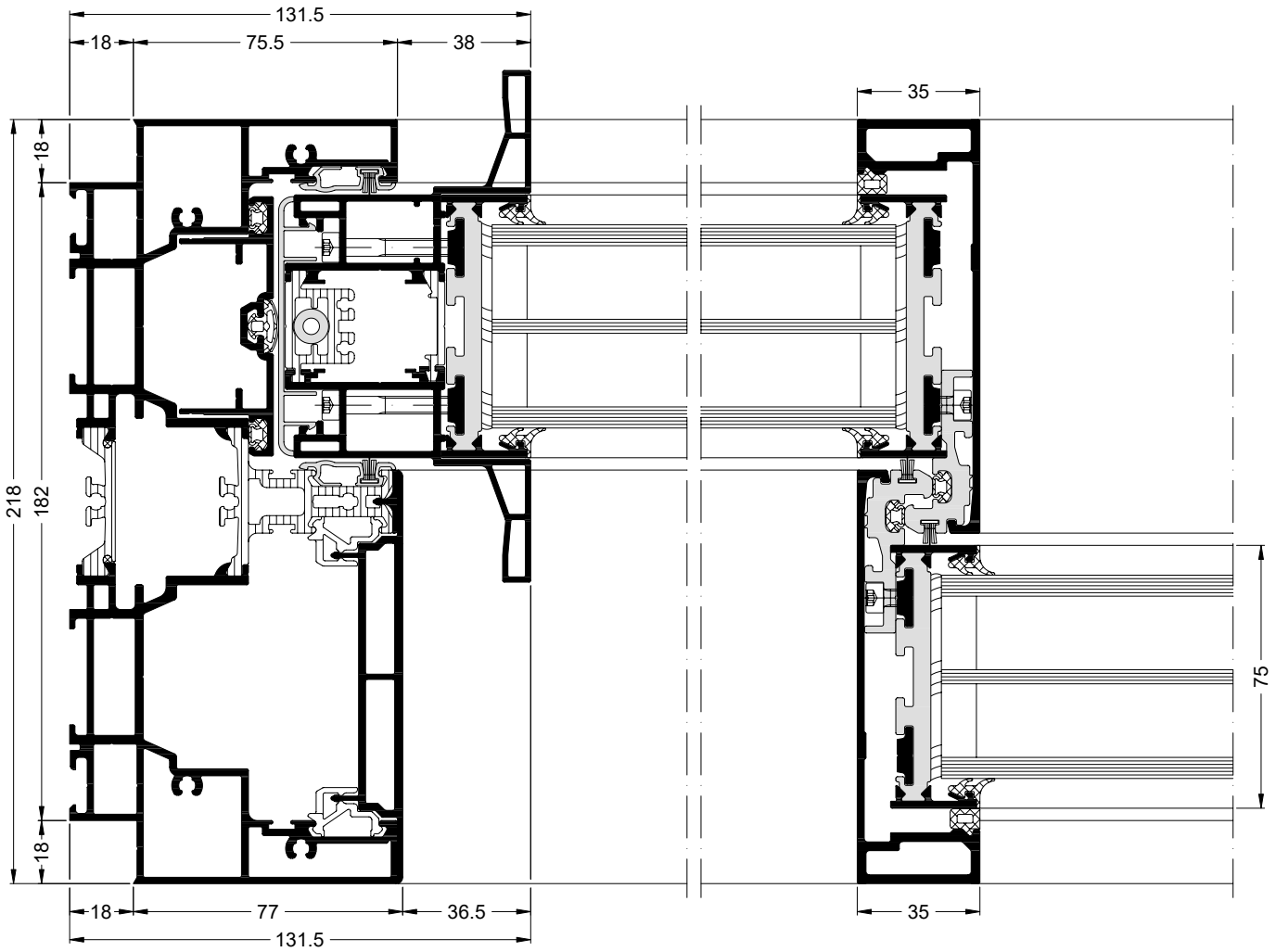




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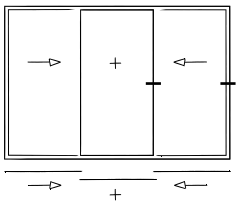
Schüco AS PD 75.HI, type 2B,
horizontal section detail through sliding vent and interlock section

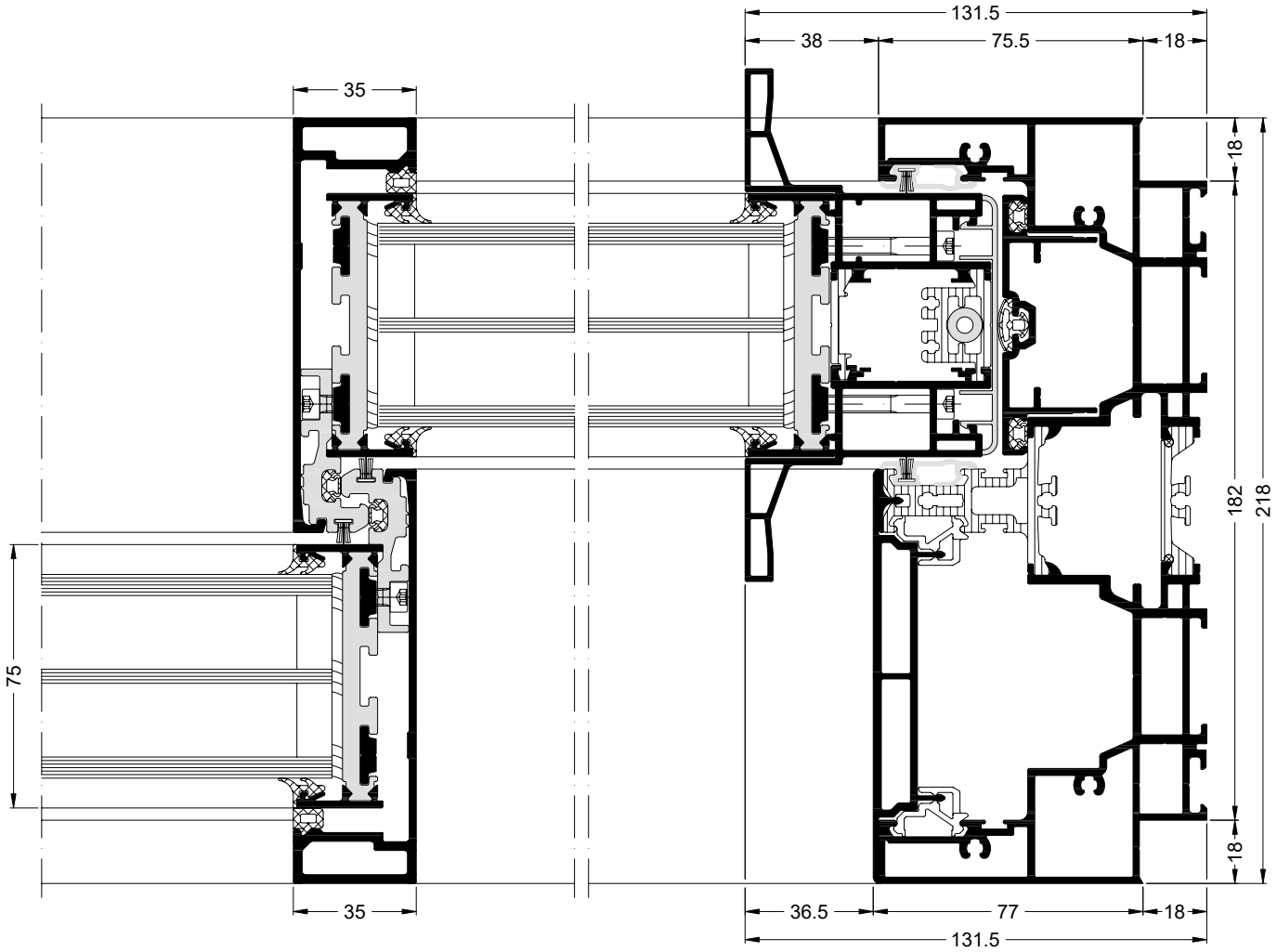




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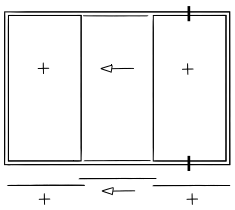
Schüco AS PD 75.HI, type 2B,
horizontal section detail through sliding vent and interlock section

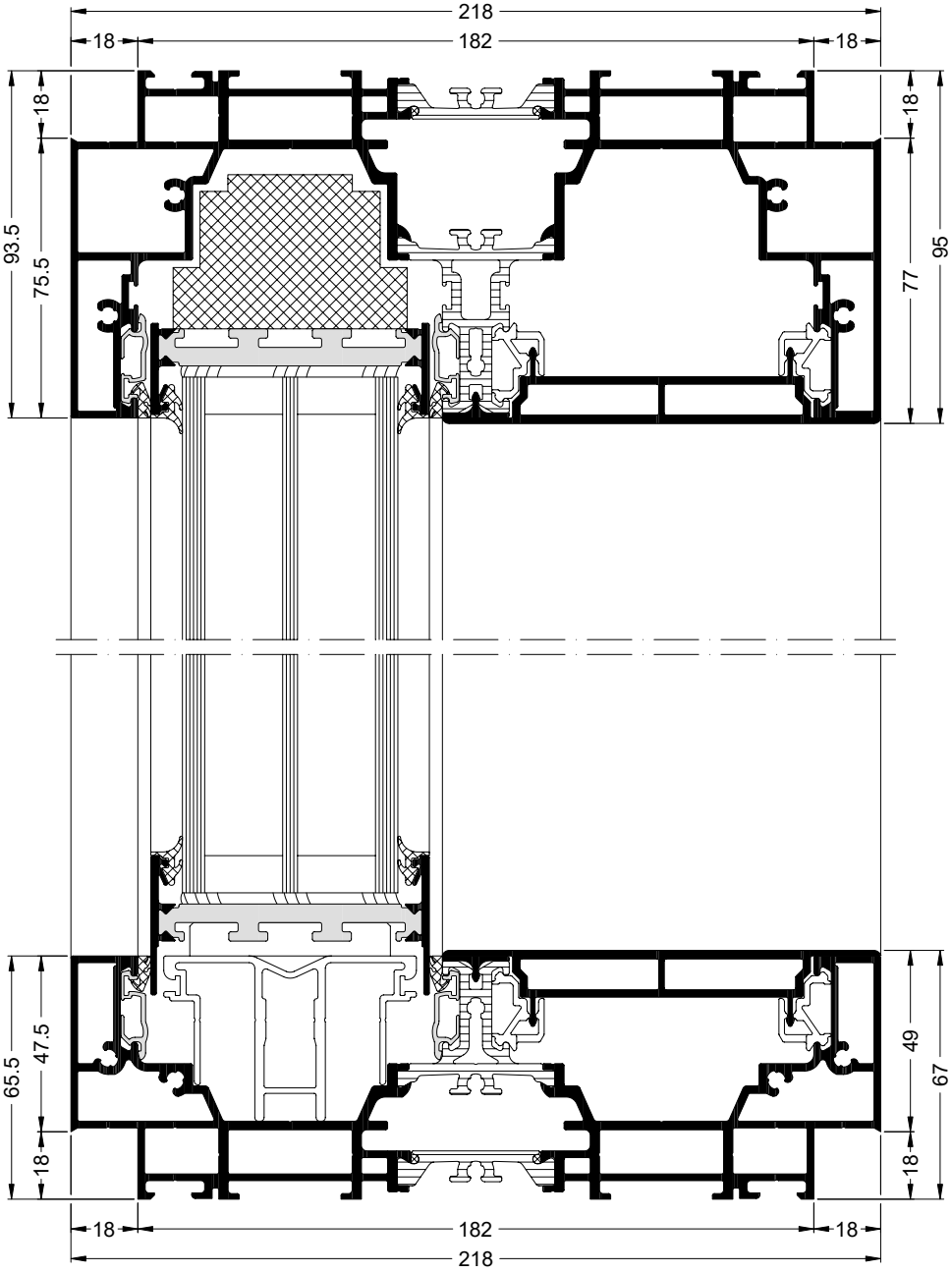




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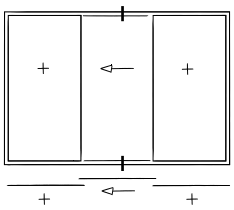
Schüco AS PD 75.HI, type 2C, vertical section detail through fixed light

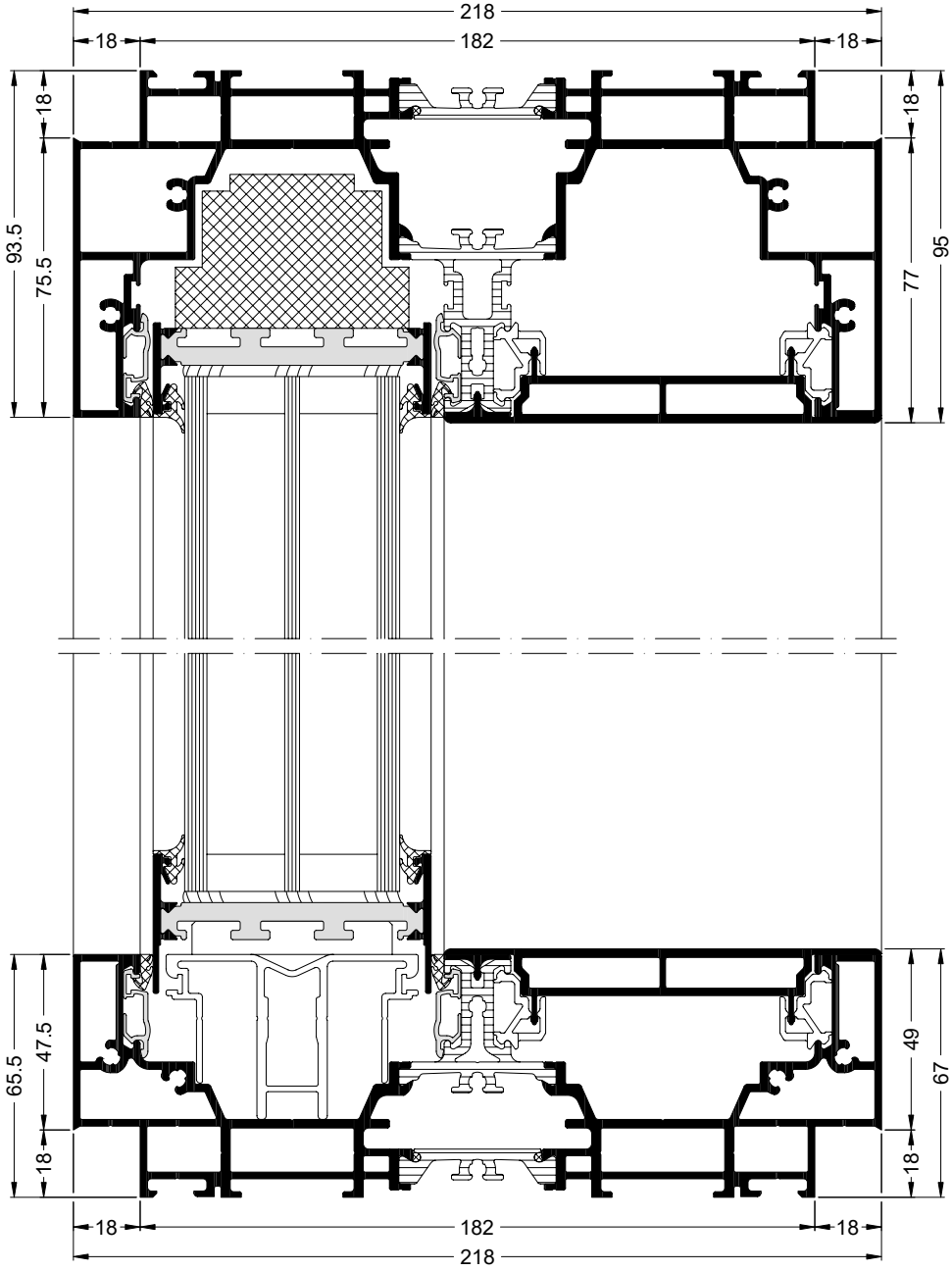




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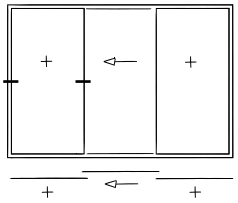
Schüco AS PD 75.HI, type 2C, vertical section detail through sliding vent

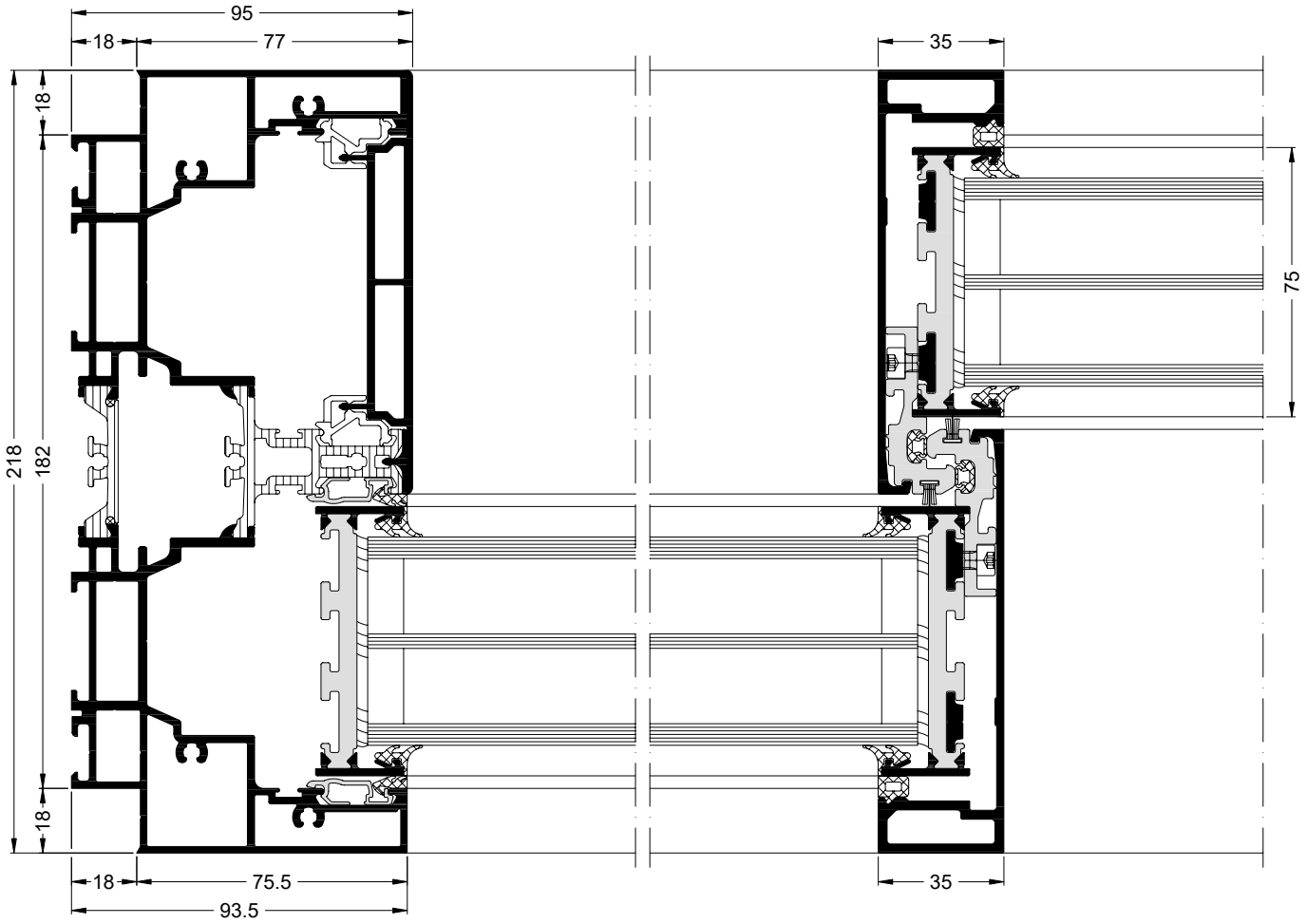




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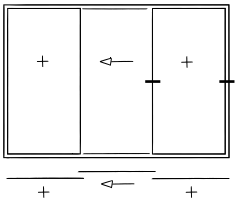
Schüco AS PD 75.HI, type 2C,
horizontal section detail through fixed light and interlock section

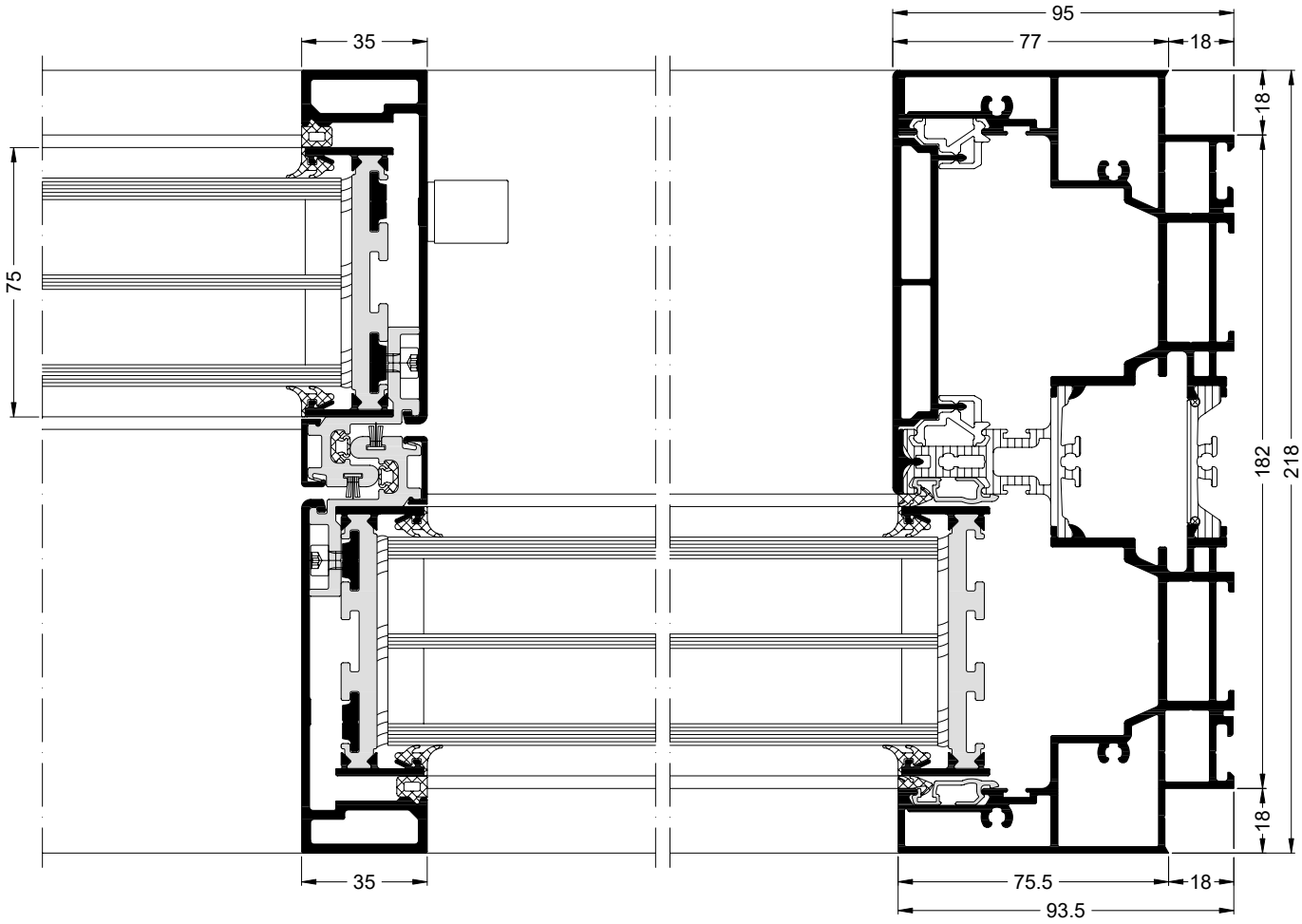




Scale 1:2

Schüco AS PD 75.HI, type 2C,
horizontal section detail through fixed light and interlock section





Scale 1:2



Schüco AS PD 75.HI
Design Line

Schüco AS PD 75.HI Design Line 34

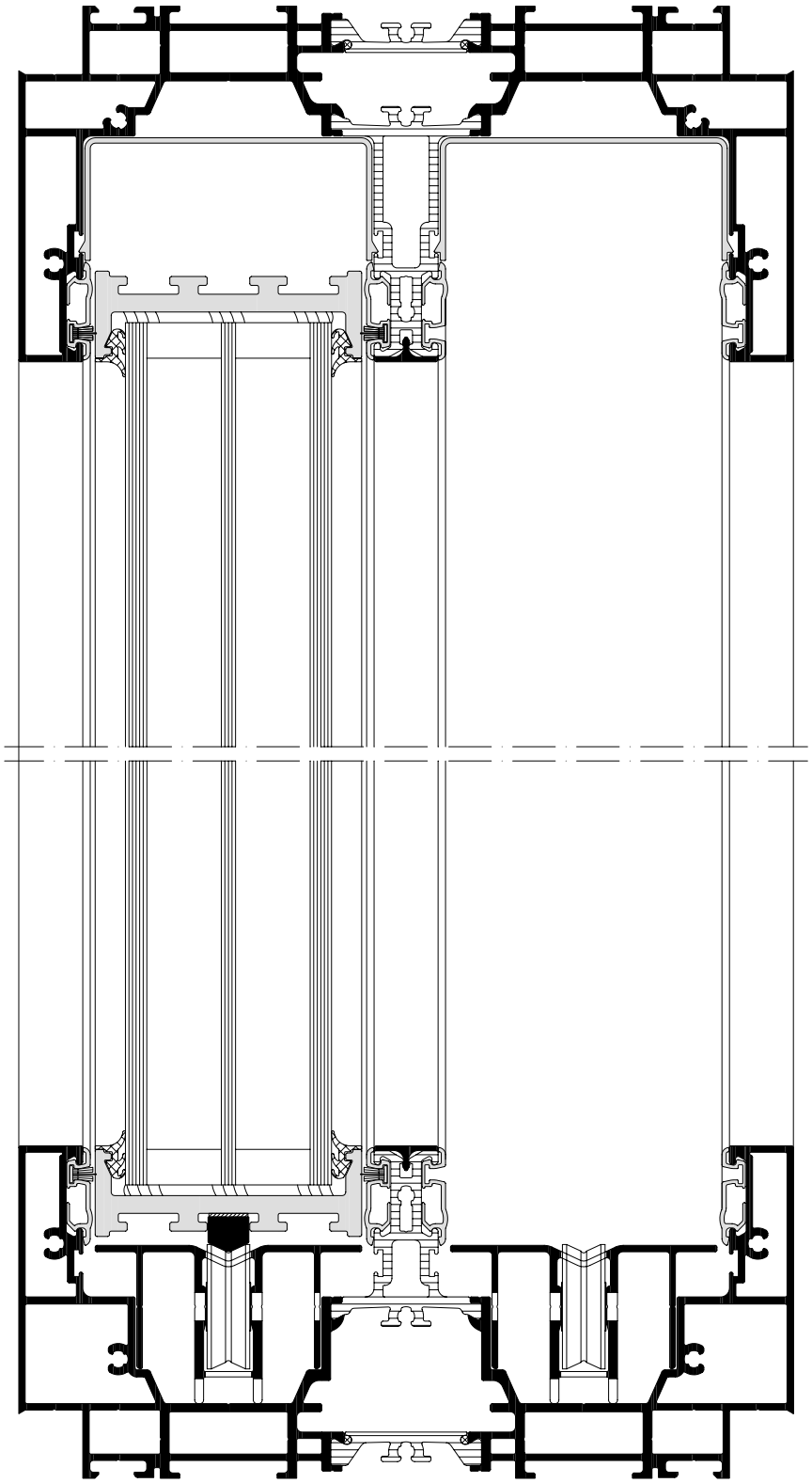
36 Technical information

38 Unit section details

Graphical planning data such as detailed drawings, attachment to building structure drawings and CAD drawings, which you can find in our technical documentation (manuals, Architect Information and instructions) as well as our CAD and BIM data libraries and which you can save to your computer, are examples which are intended to help you plan and design your project. This content must be checked for its suitability in the relevant structural scenario. The technical and legal regulations, the site conditions, and the design and structural requirements must be assessed and planned independently by the developer and observed by the company contracted to do the work.

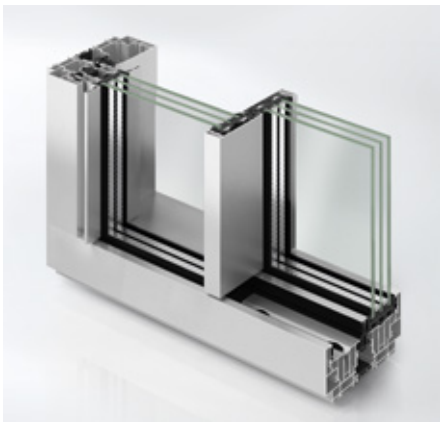
Technical information

Schüco AS PD 75.HI Design Line – double-track, type 2A

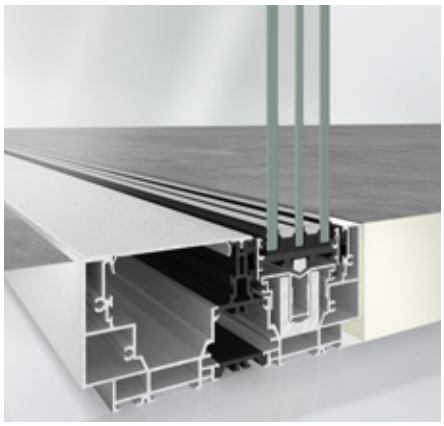


Vertical section detail through the sliding vent
Scale 1:2

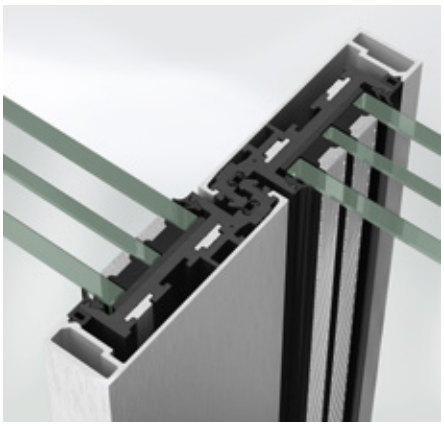
Key features of Design Line



With Design Line, the aesthetics take centre stage and meet all the requirements of maximum transparency.



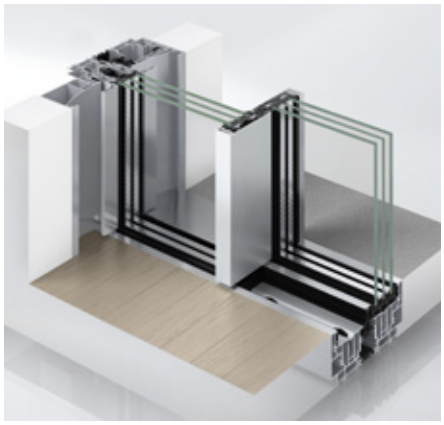
The vent frame disappears completely into the floor, allowing a transparent, frameless appearance.



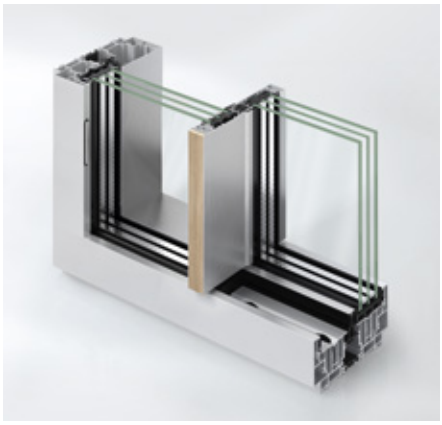
The slender interlock section with a face width of just 35 mm also helps to ensure an interrupted view to the outside.



When the vent is opened, the dynamic cover profile lifts out of the outer frame, thereby ensuring an elegant appearance.



Thanks to the integrated flush pull grip, the pull grip in the manual options disappears into the outer frame when the vent is closed.



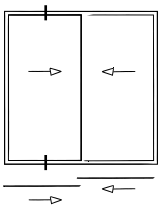
The WoodDesign option in the interlock section creates a cosy atmosphere.

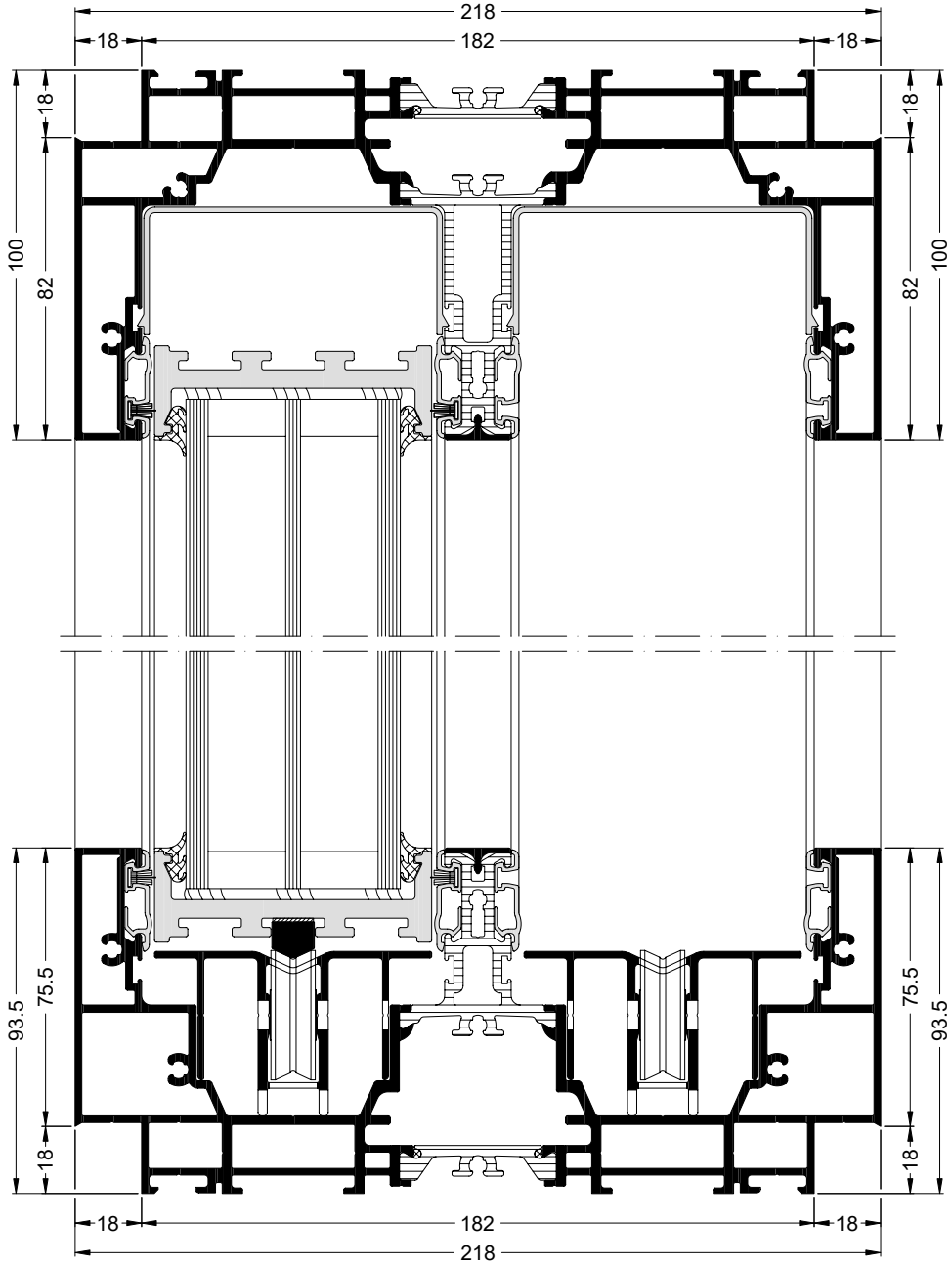
Optional features of Design Line

- Sun shading
- TipTronic
- Monitoring of closing
- WoodDesign
- Integrated flush pull grip
- Dynamic cover profile
- Building Skin Control
- Locking in open position

Unit section details

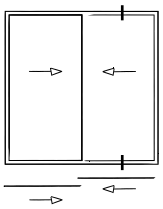
Schüco AS PD 75.HI, type 2A, vertical section detail through sliding vent

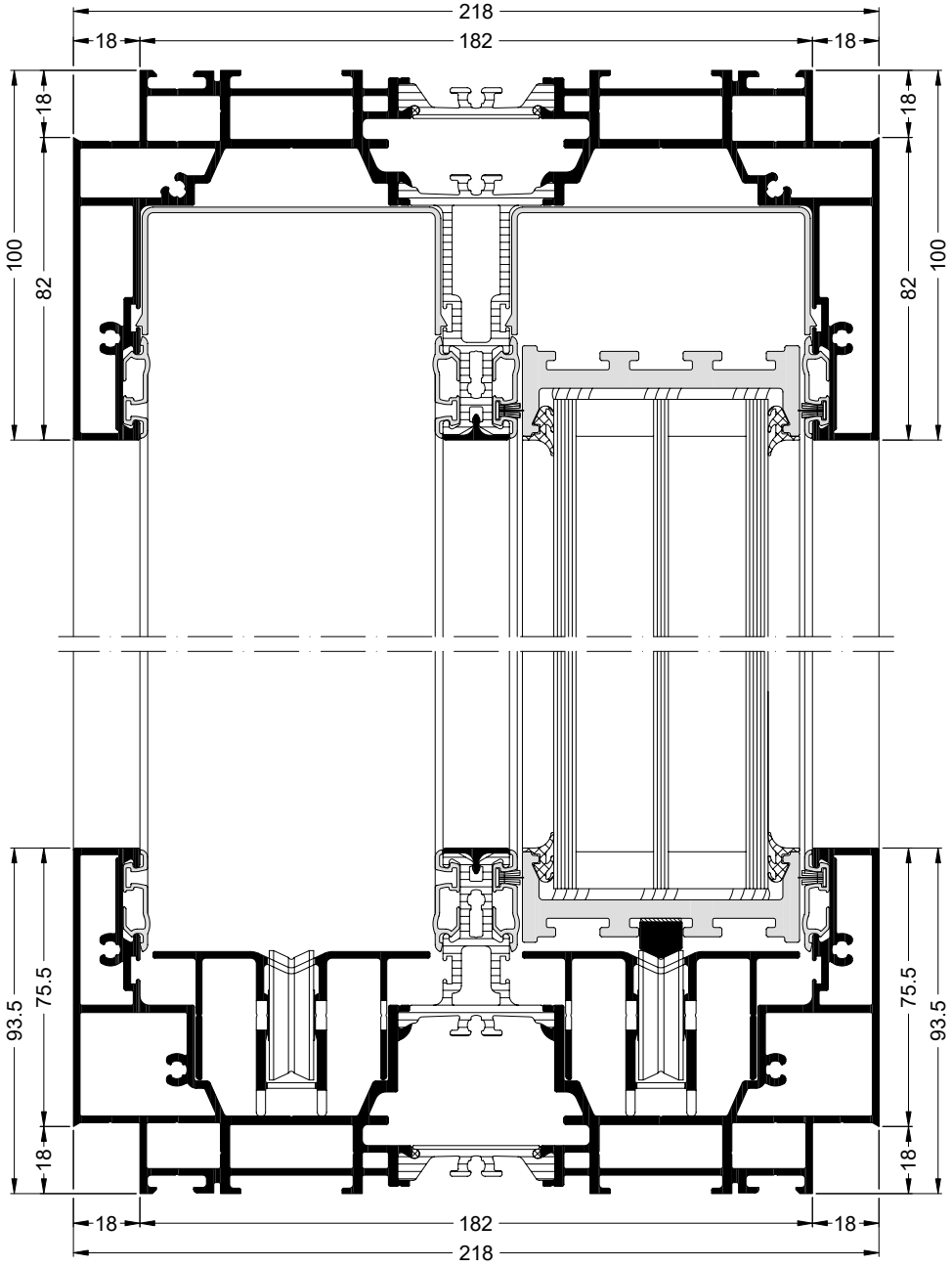




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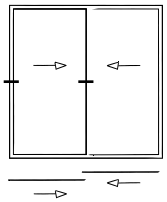
Schüco AS PD 75.HI, type 2A, vertical section detail through sliding vent

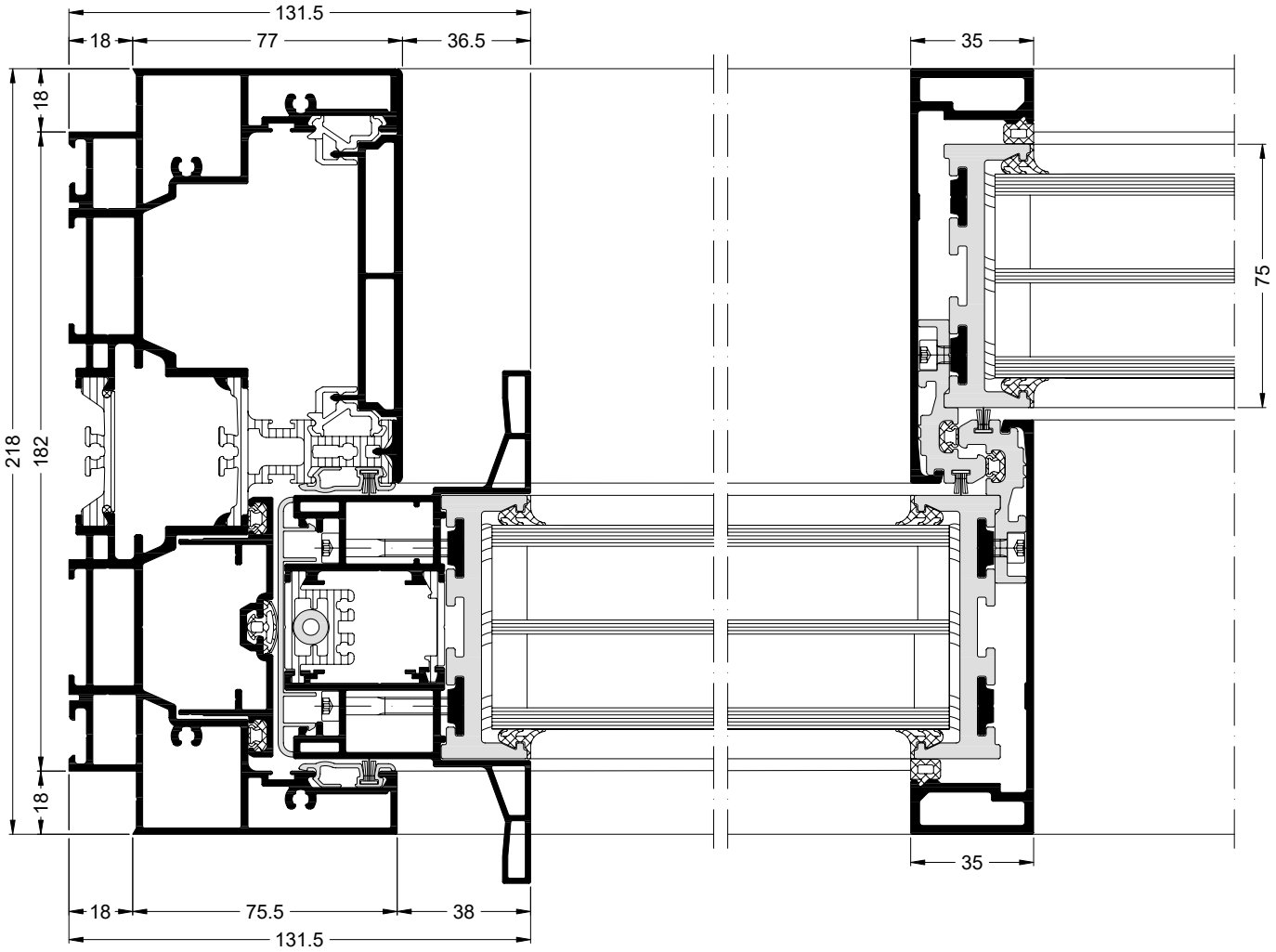




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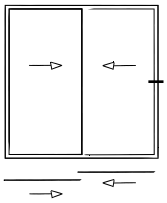
Schüco AS PD 75.HI, type 2A, horizontal section detail through sliding vent and interlock section

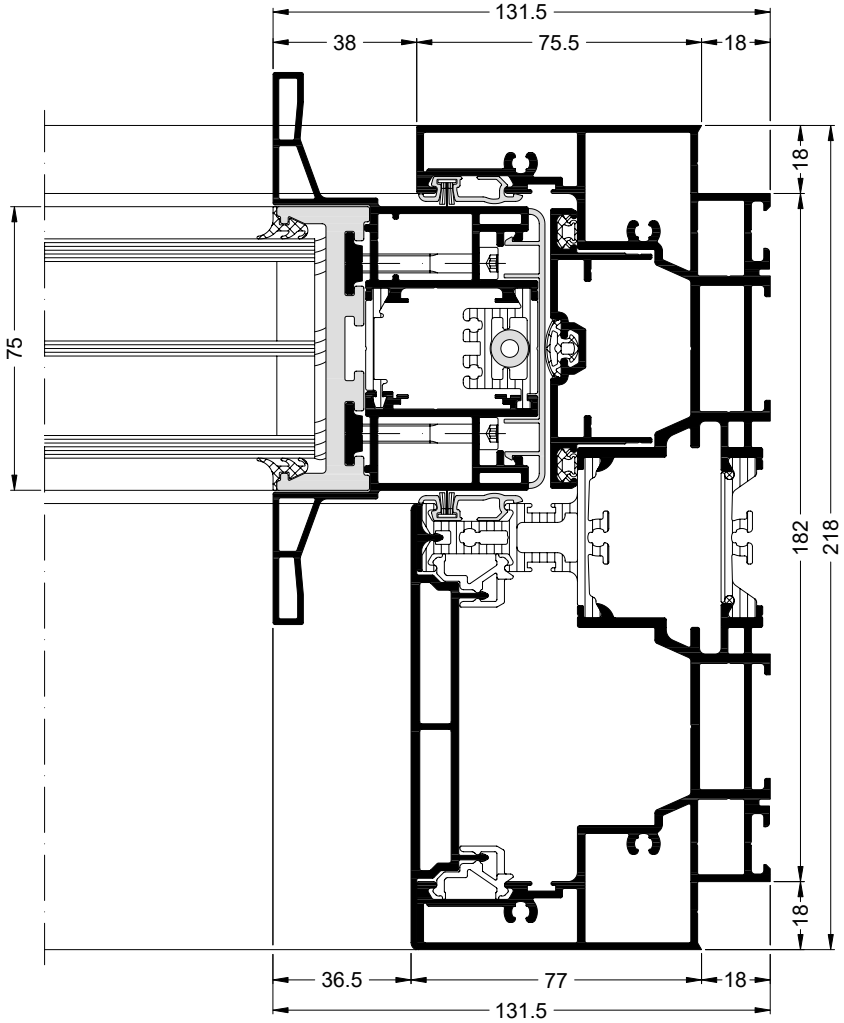




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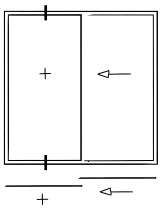
Schüco AS PD 75.HI, type 2A, horizontal section detail through sliding vent

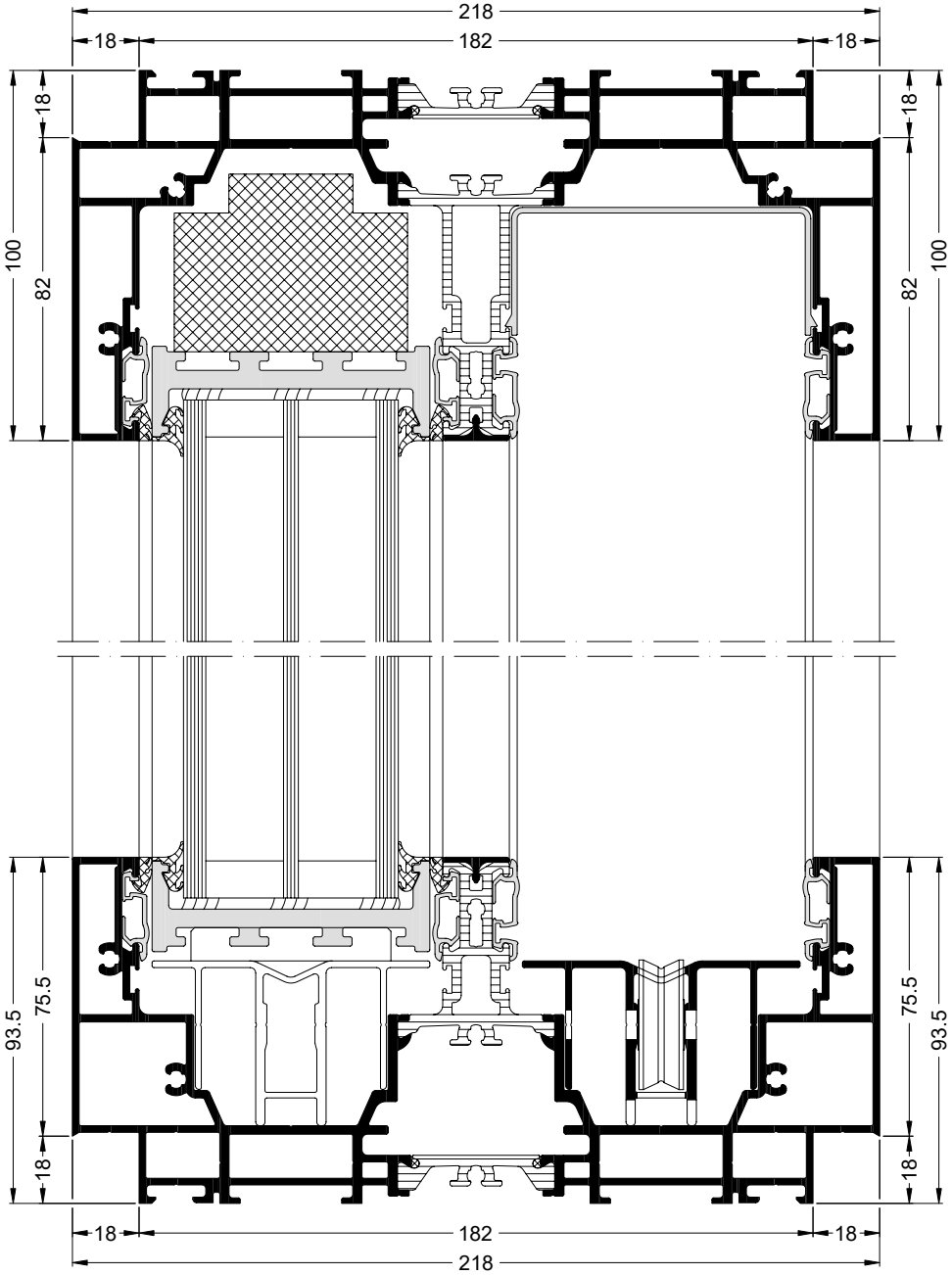




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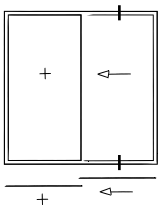
Schüco AS PD 75.HI, type 2A/1 RS, vertical section detail through fixed light

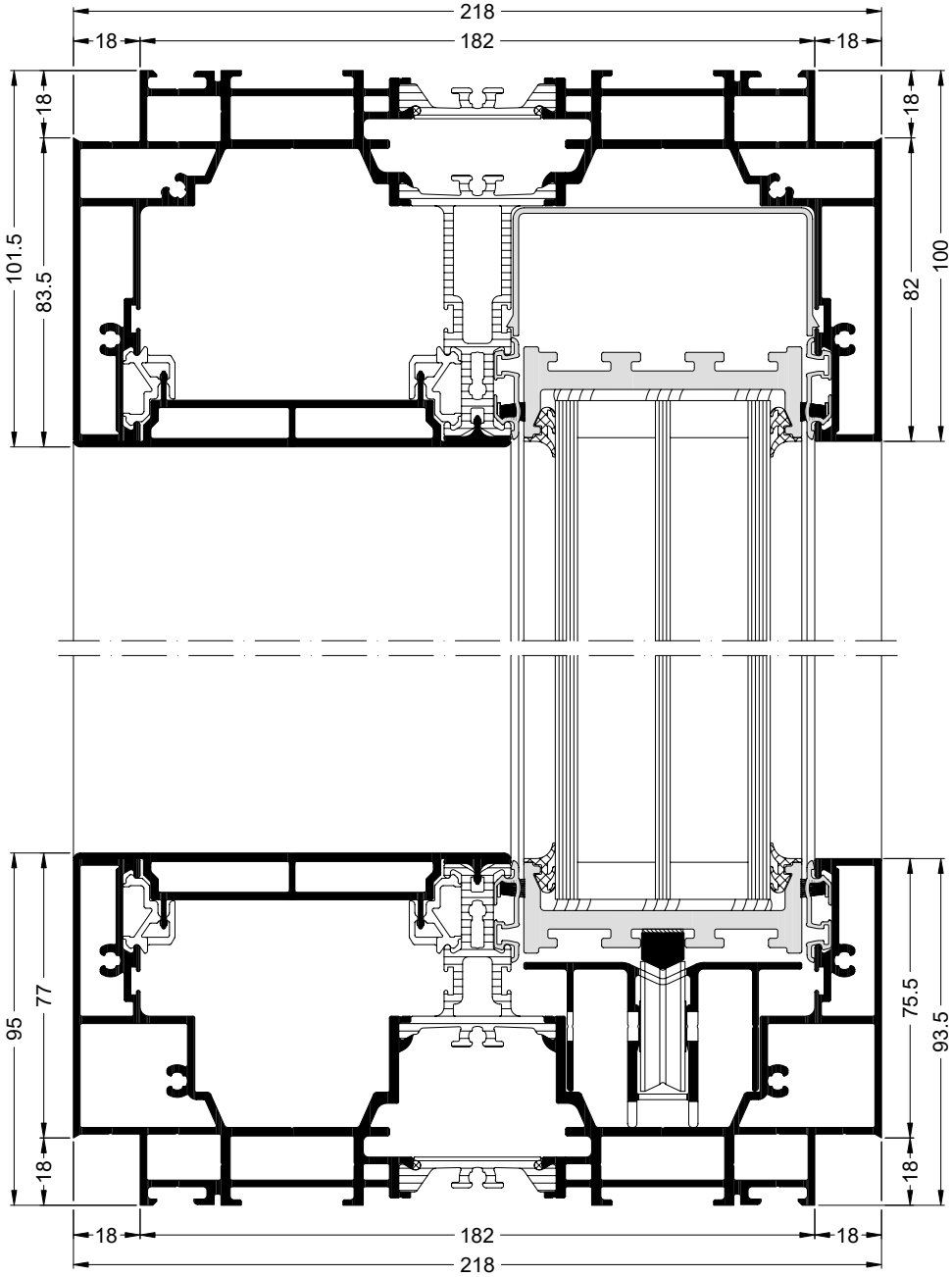




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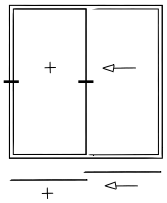
Schüco AS PD 75.HI, type 2A/1 RS, vertical section detail through sliding vent

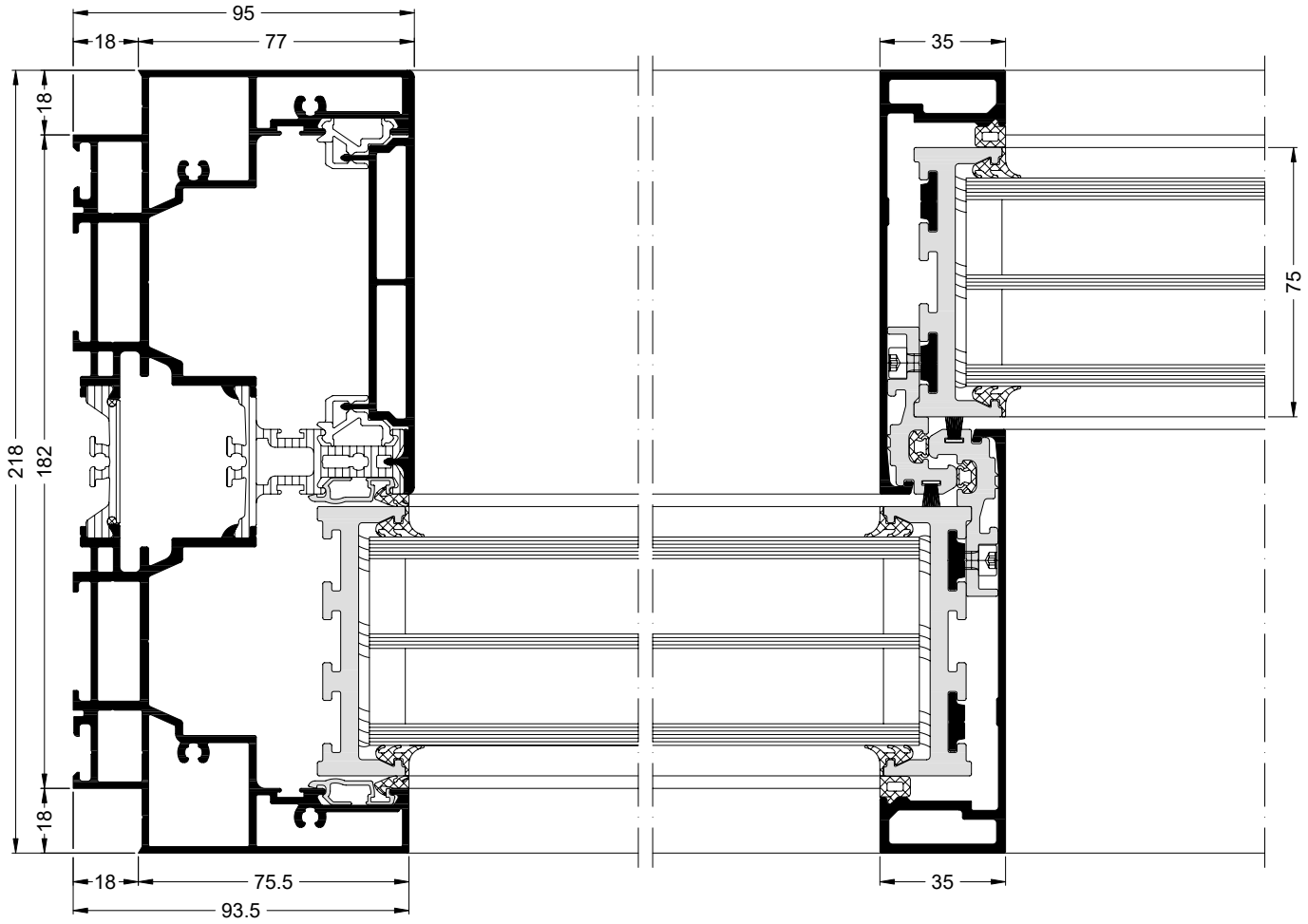




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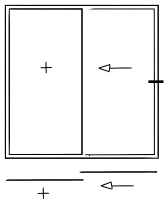
Schüco AS PD 75.HI, type 2A/1,
horizontal section detail through fixed field and interlock section

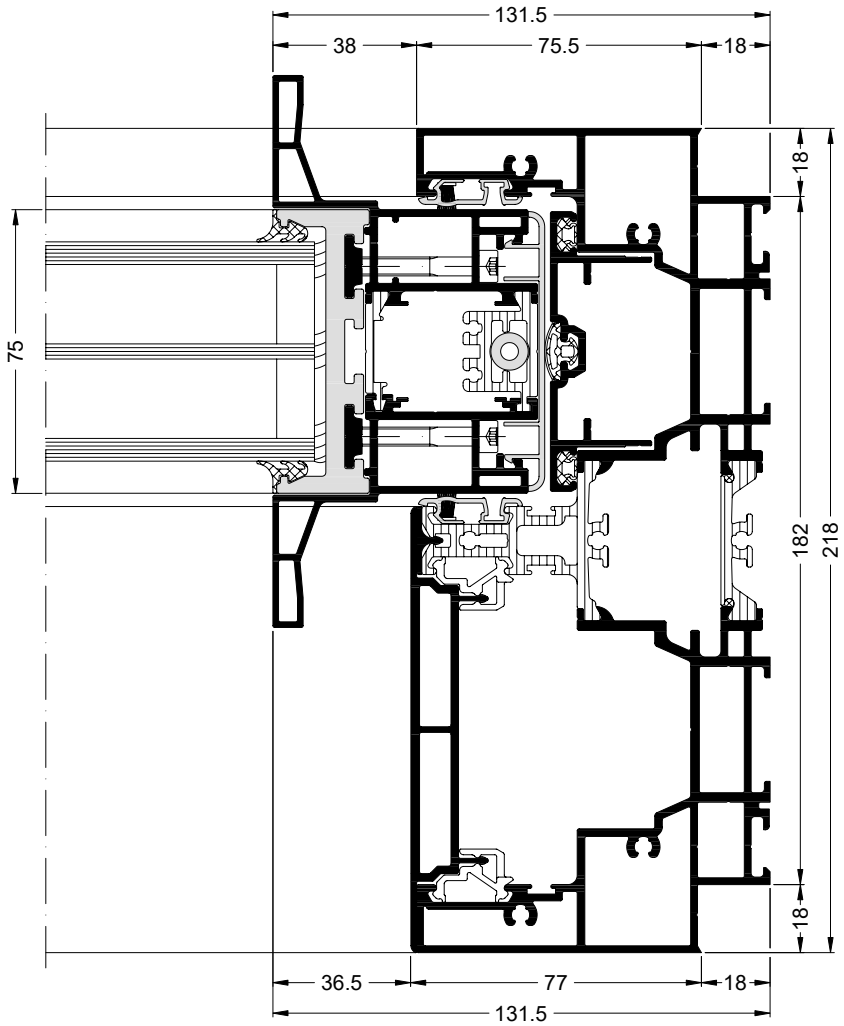




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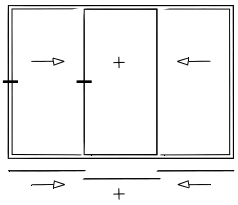
Schüco AS PD 75.HI, type 2A/1, horizontal section detail through sliding vent

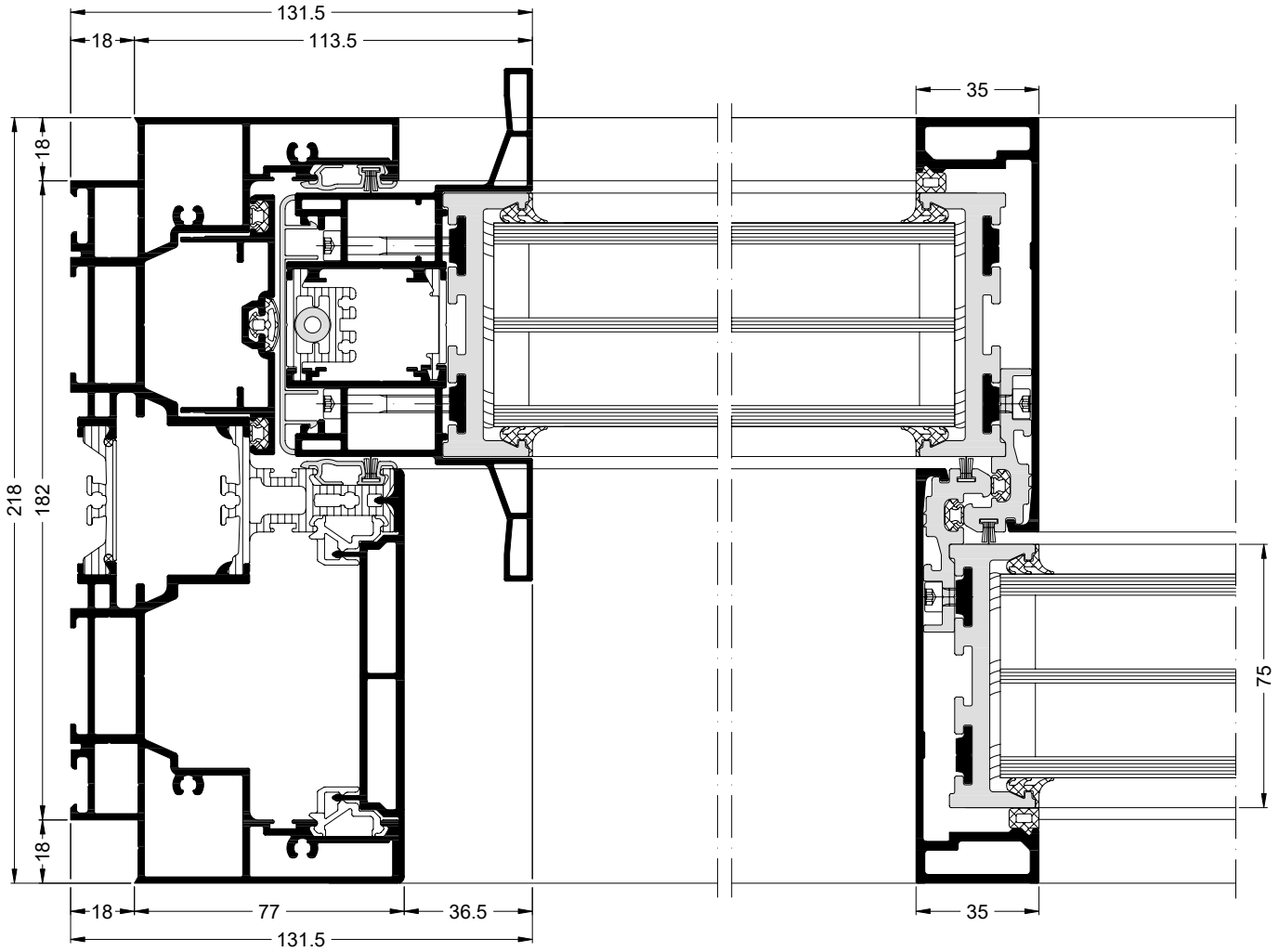




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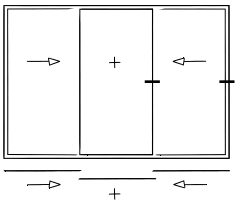
Schüco AS PD 75.HI, type 2B,
horizontal section detail through sliding vent and interlock section

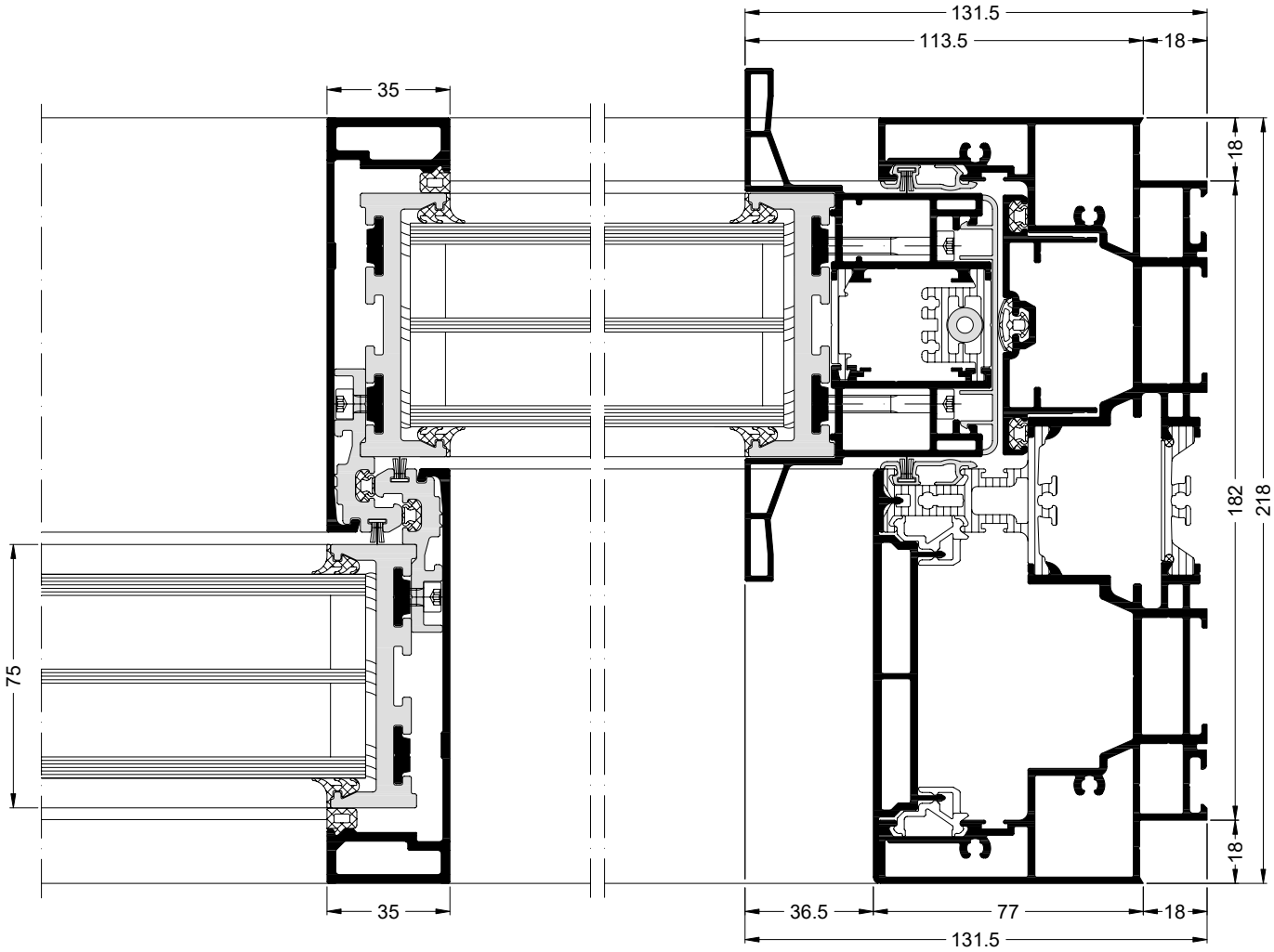




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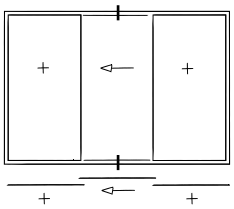
Schüco AS PD 75.HI, type 2B,
horizontal section detail through sliding vent and interlock section

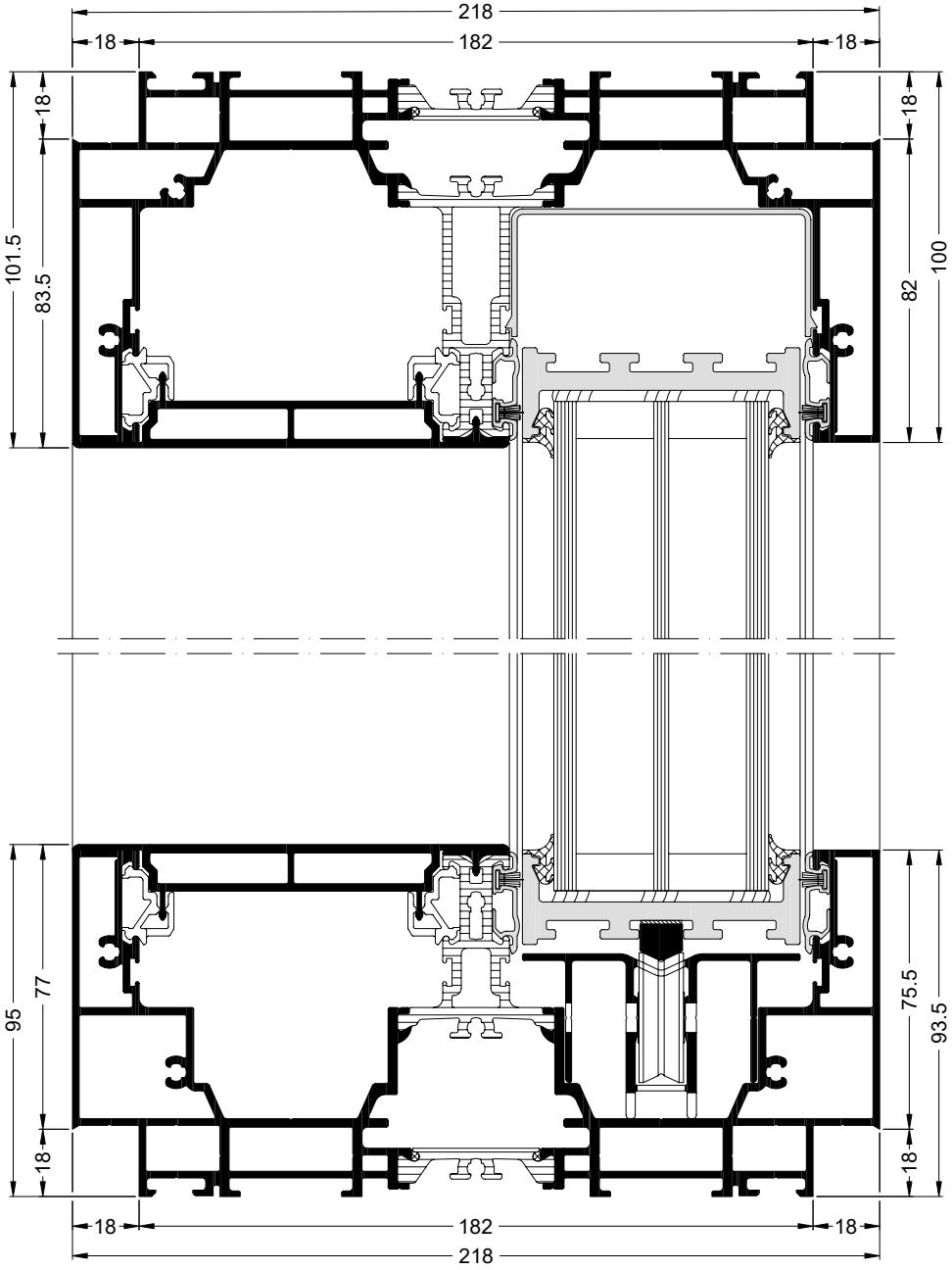




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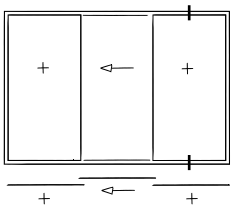
Schüco AS PD 75.HI, type 2C, vertical section detail through fixed light

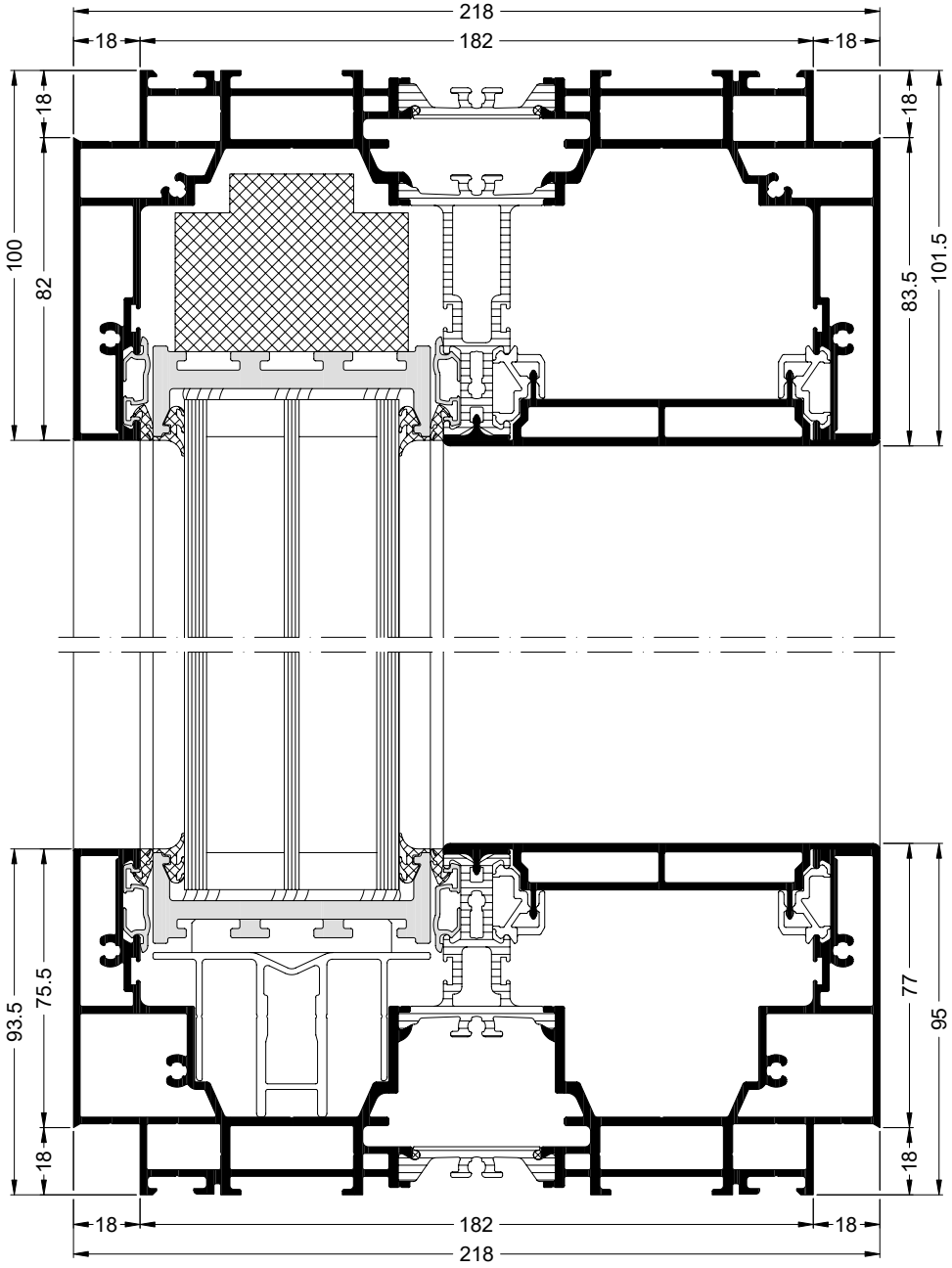




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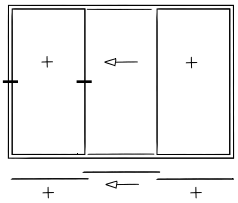
Schüco AS PD 75.HI, type 2C, vertical section detail through fixed light

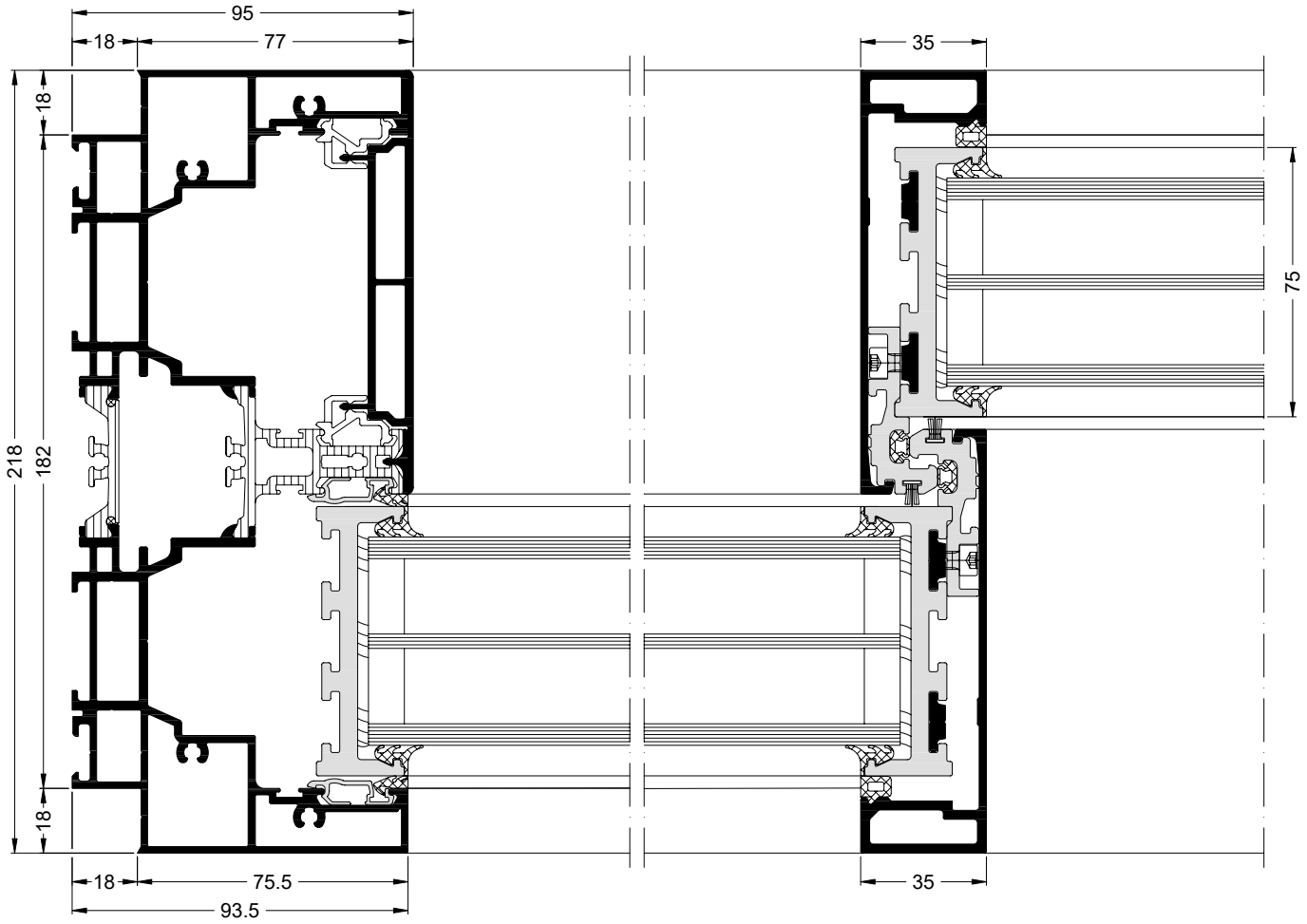




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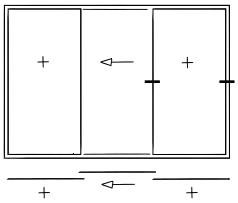
Schüco AS PD 75.HI, type 2C,
horizontal section detail through fixed light and interlock section

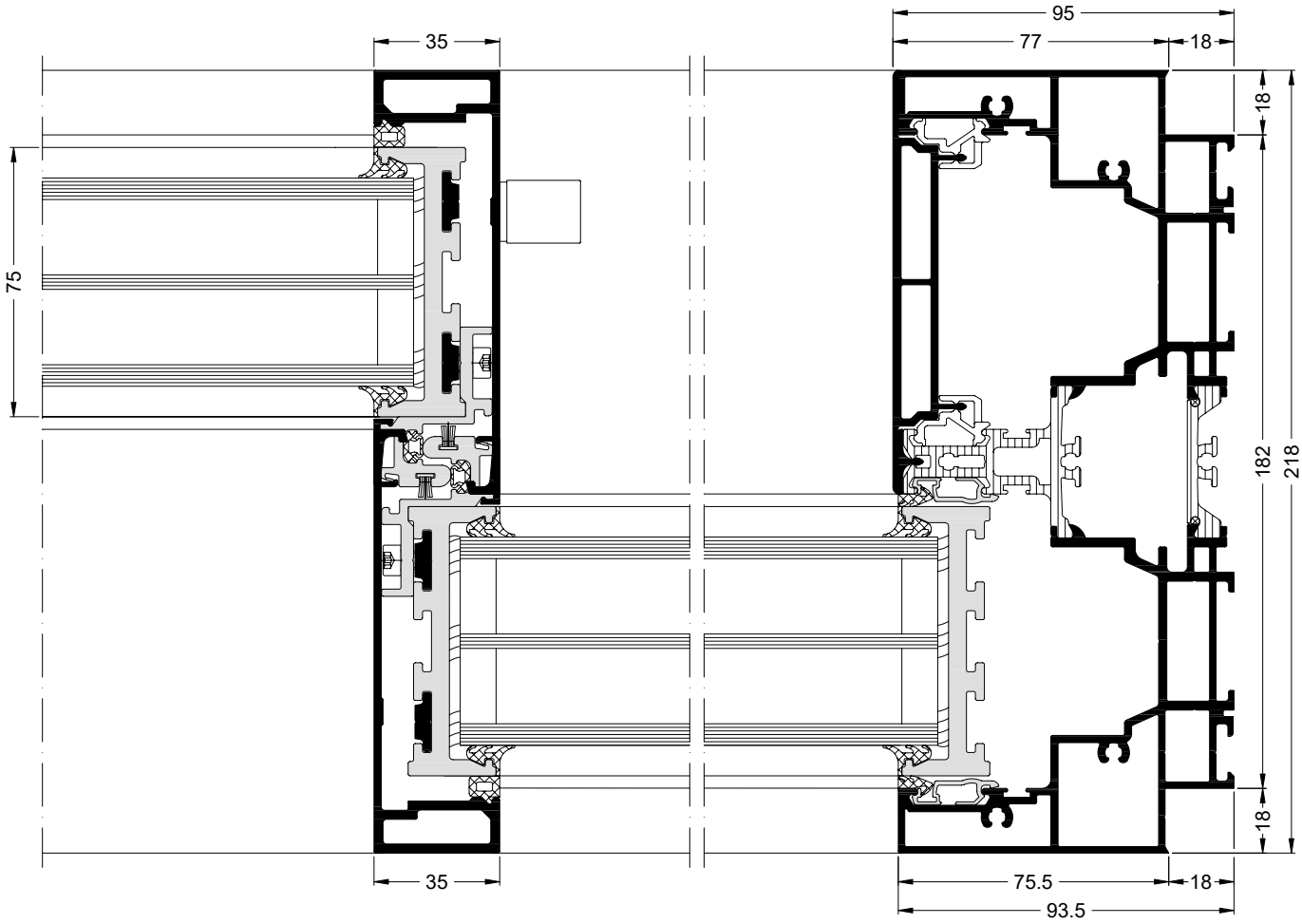




Scale 1:2

Schüco AS PD 75.HI, type 2C,
horizontal section detail through fixed light and interlock section





Scale 1:2



Schüco AS PD 75.HI
Performance Line

Schüco AS PD 75.HI Performance Line

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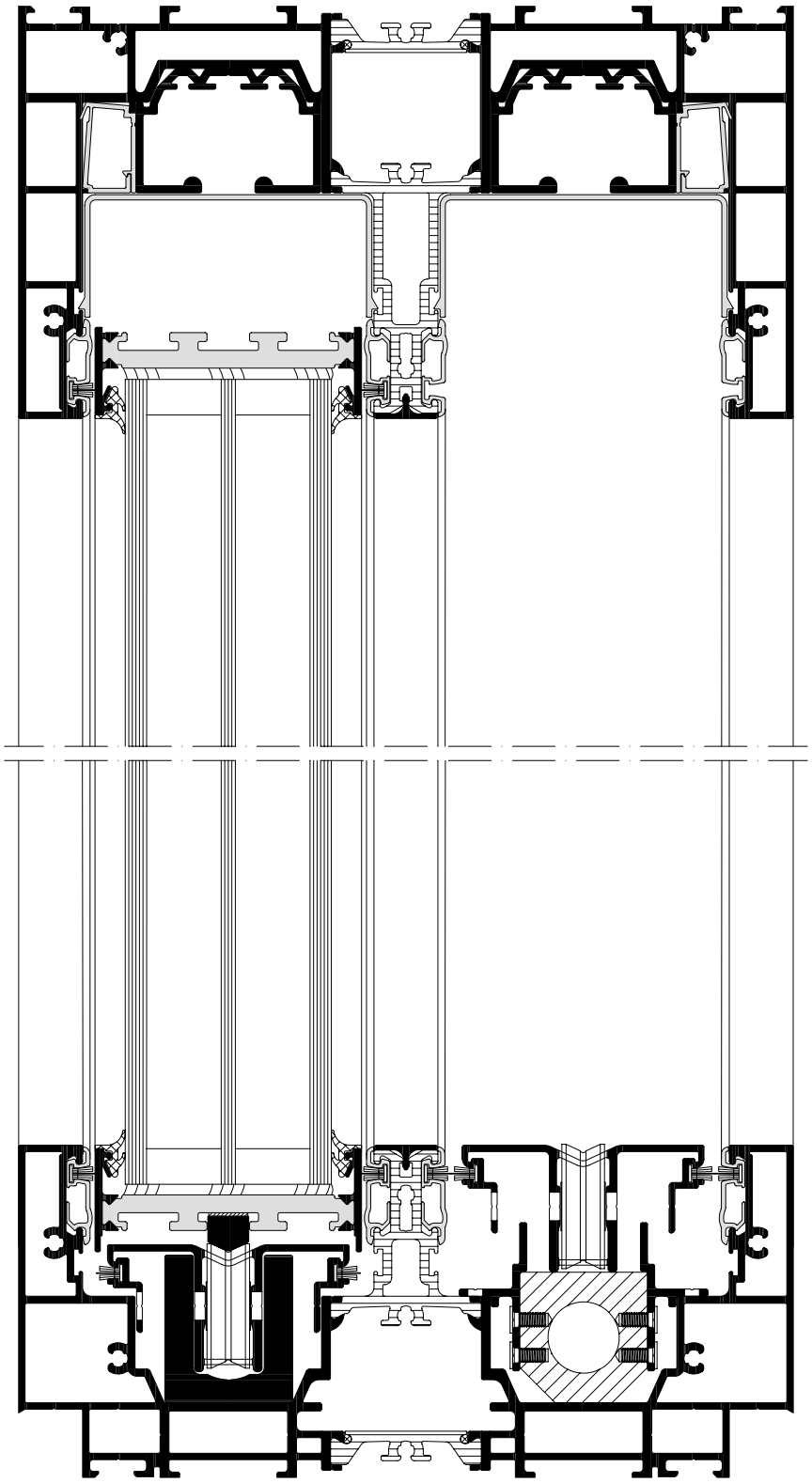
54 Technical information

56 Unit section details

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Technical information

Schüco Panorama Design Line sliding system – double-track, type 2A



Vertical section detail through sliding vent
Scale 1:2

Key features of Performance Line



With the lift-and-slide actuator, the vent is lifted out of the outer frame when opened, thereby combining a frameless appearance and a barrier-free threshold.



Connection to Building Skin Control allows smart, automated sliding door operation.



Alternatively, the sliding door can be operated with a button that is available in various colours.



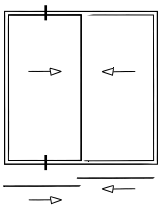
TipTronic button in black.

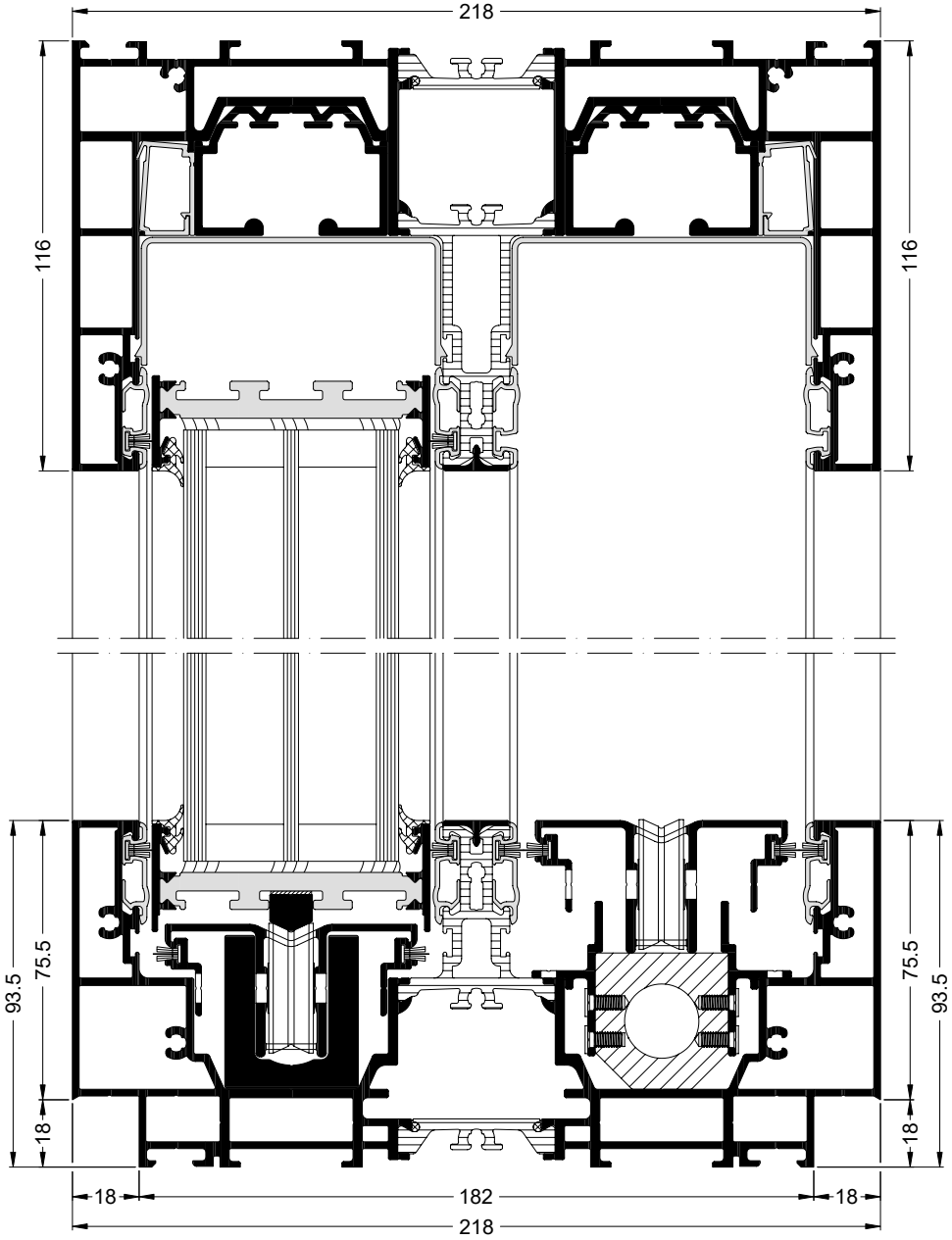
Optional features of Performance Line

- Sun shading
- TipTronic
- Monitoring of closing
- WoodDesign
- Dynamic cover profile
- Building Skin Control

Unit section details

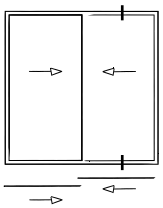
Schüco AS PD 75.HI, type 2A, vertical section detail through sliding vent

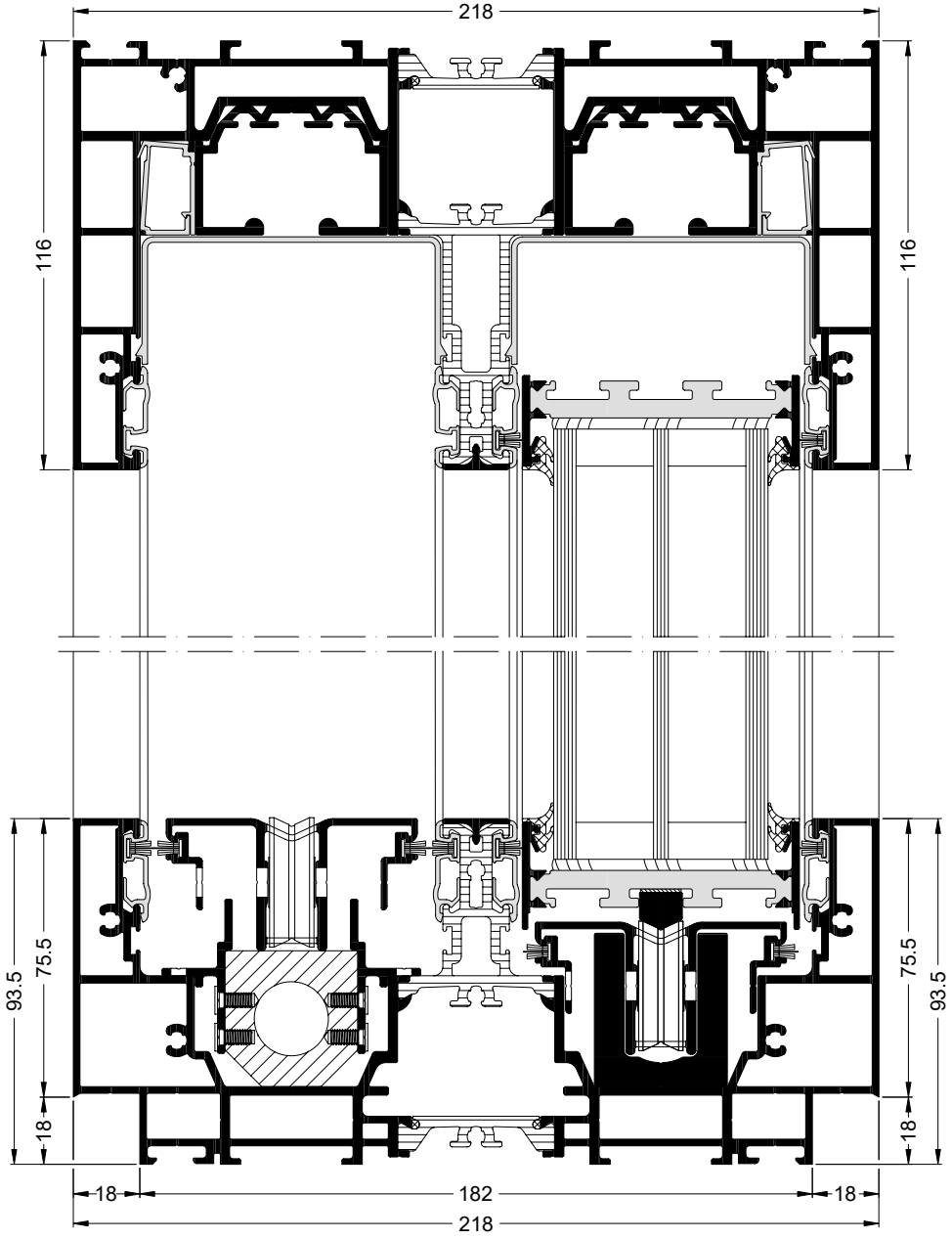




Scale 1:2

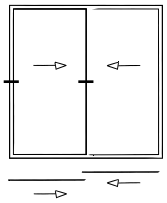
Schüco AS PD 75.HI, type 2A, vertical section detail through sliding vent

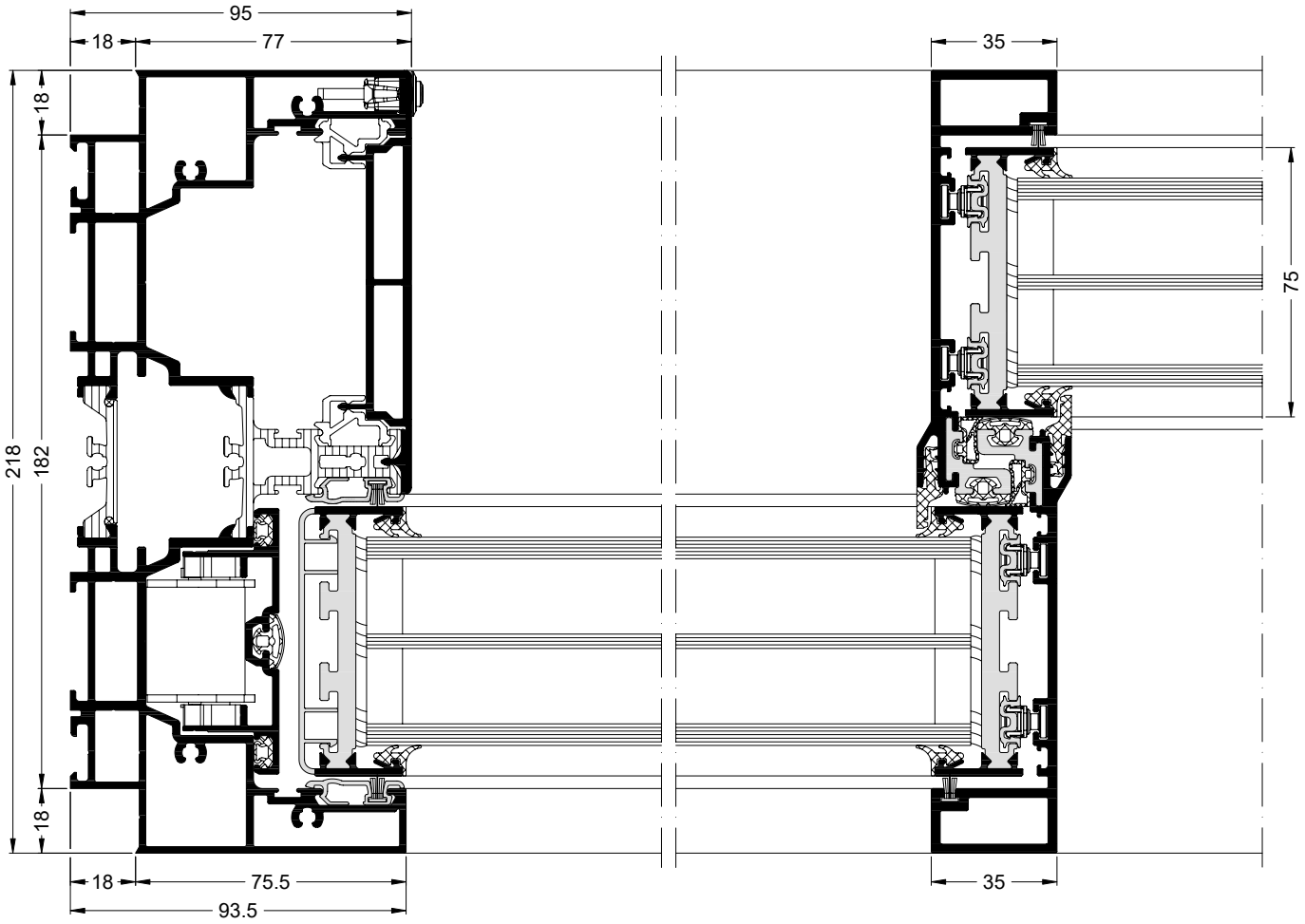




Scale 1:2

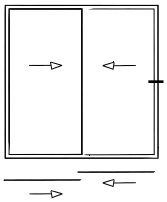
Schüco AS PD 75.HI, type 2A, horizontal section detail through sliding vent and interlock section

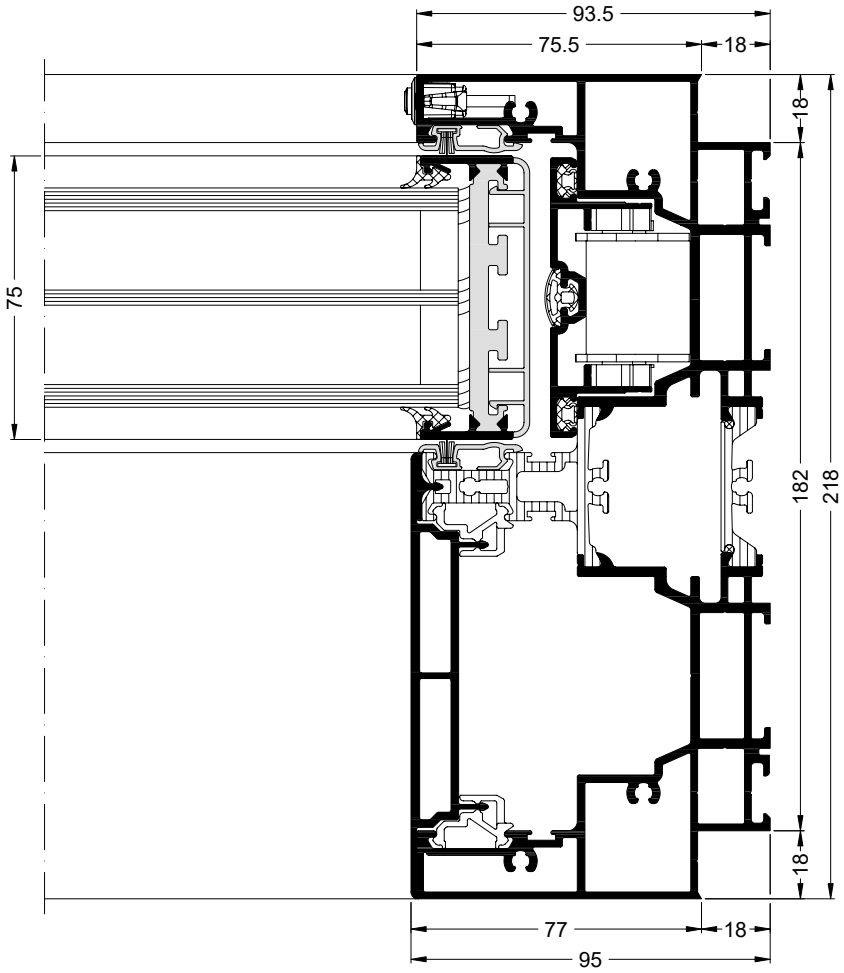




Scale 1:2

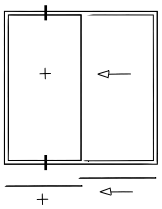
Schüco AS PD 75.HI, type 2A, horizontal section detail through sliding vent

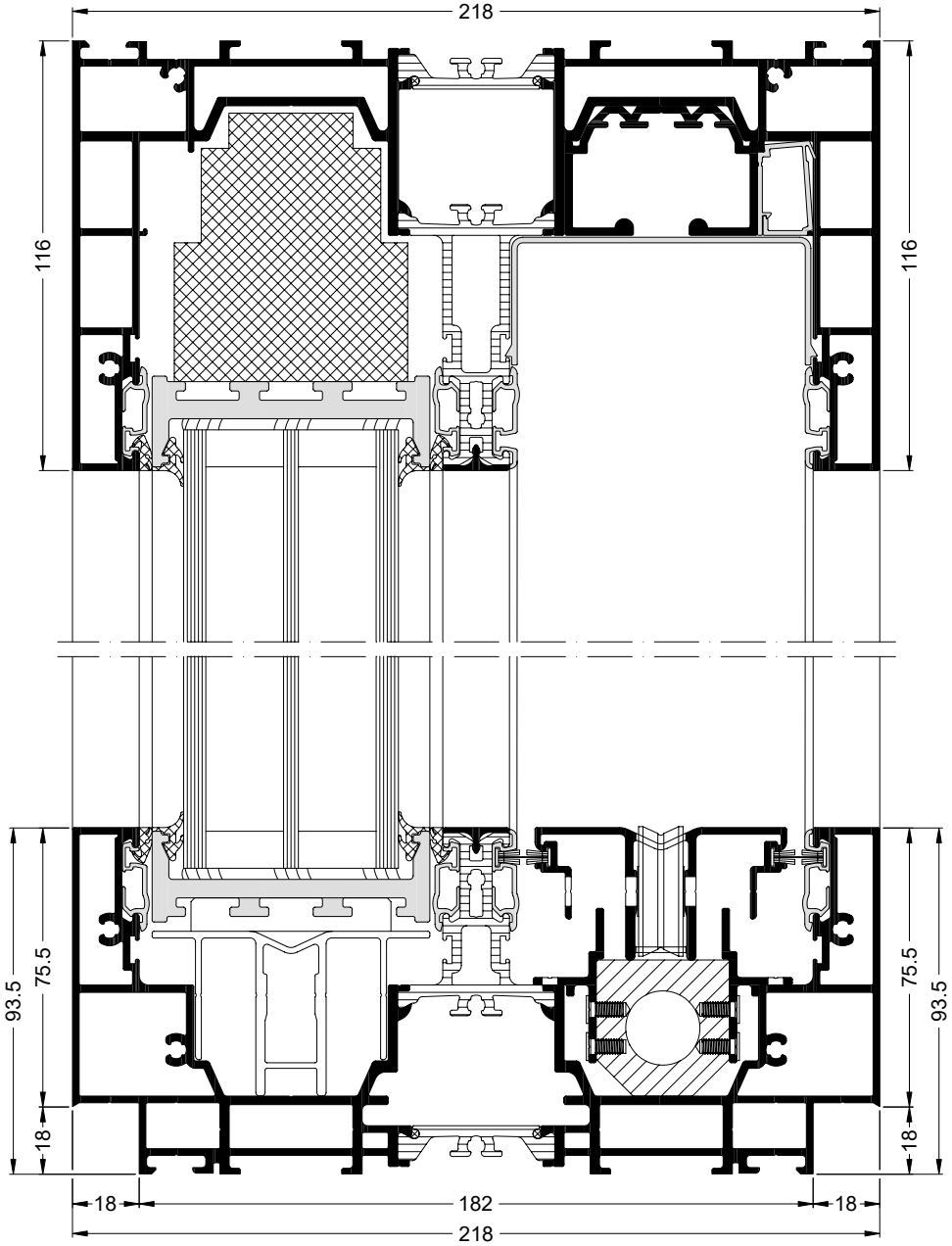




Scale 1:2

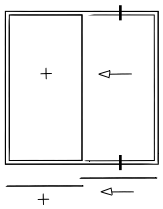
Schüco AS PD 75.HI, type 2A/1 RS, vertical section detail through fixed light

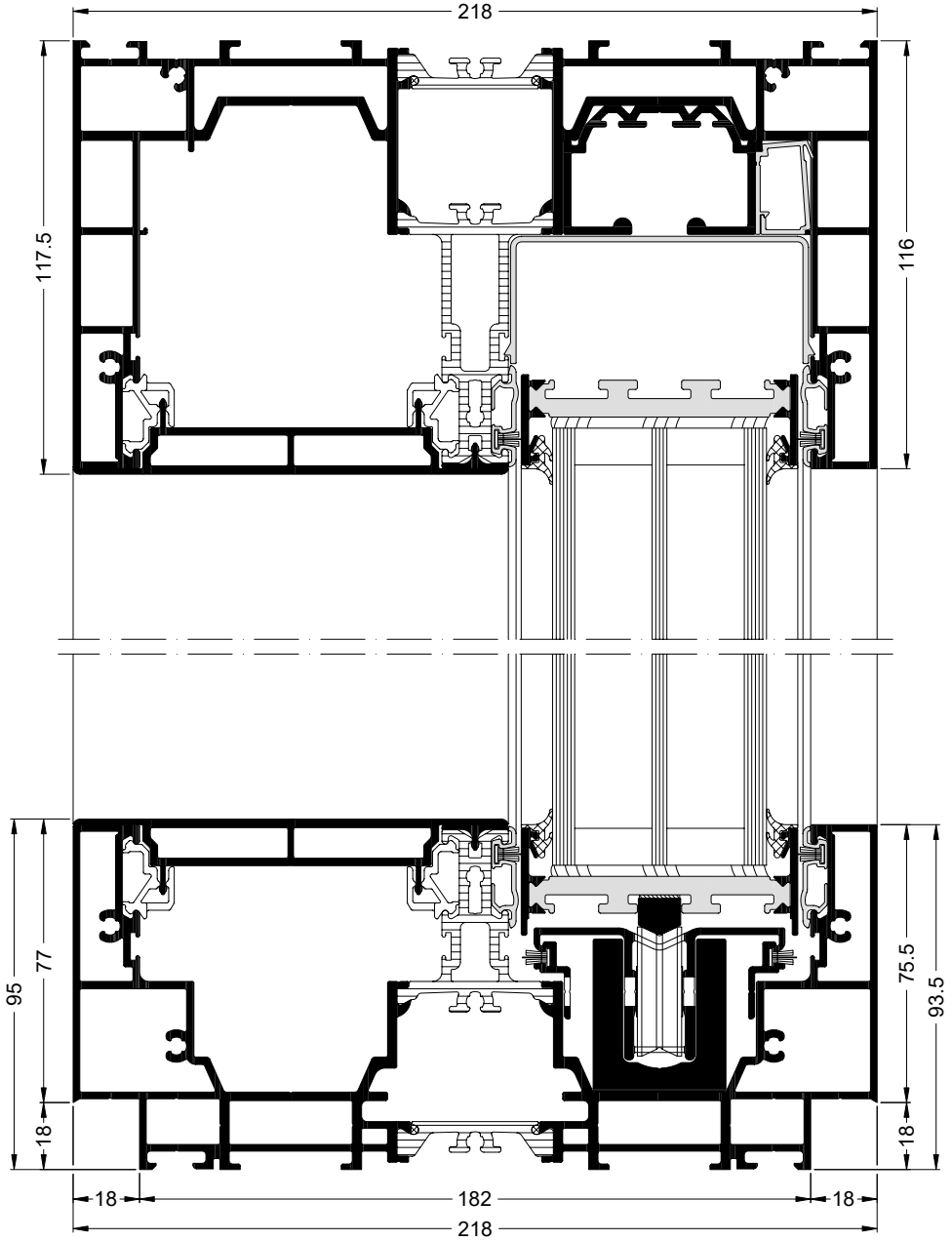




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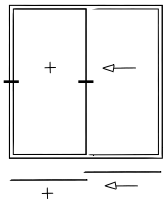
Schüco AS PD 75.HI, type 2A/1 RS, vertical section detail through sliding vent

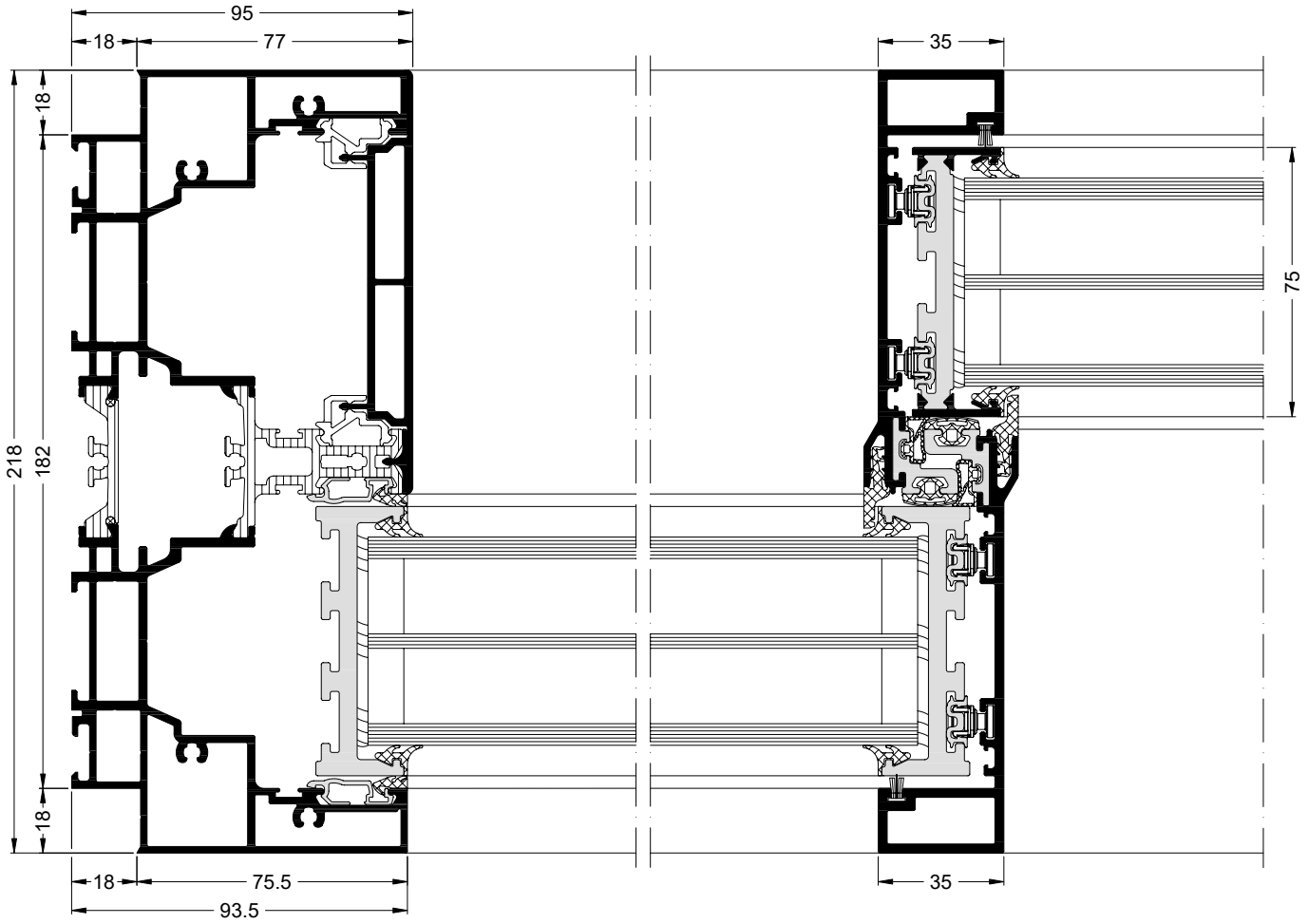




Scale 1:2

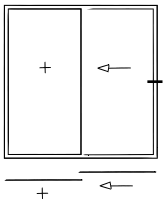
Schüco AS PD 75.HI, type 2A/1, horizontal section detail through fixed light and interlock section

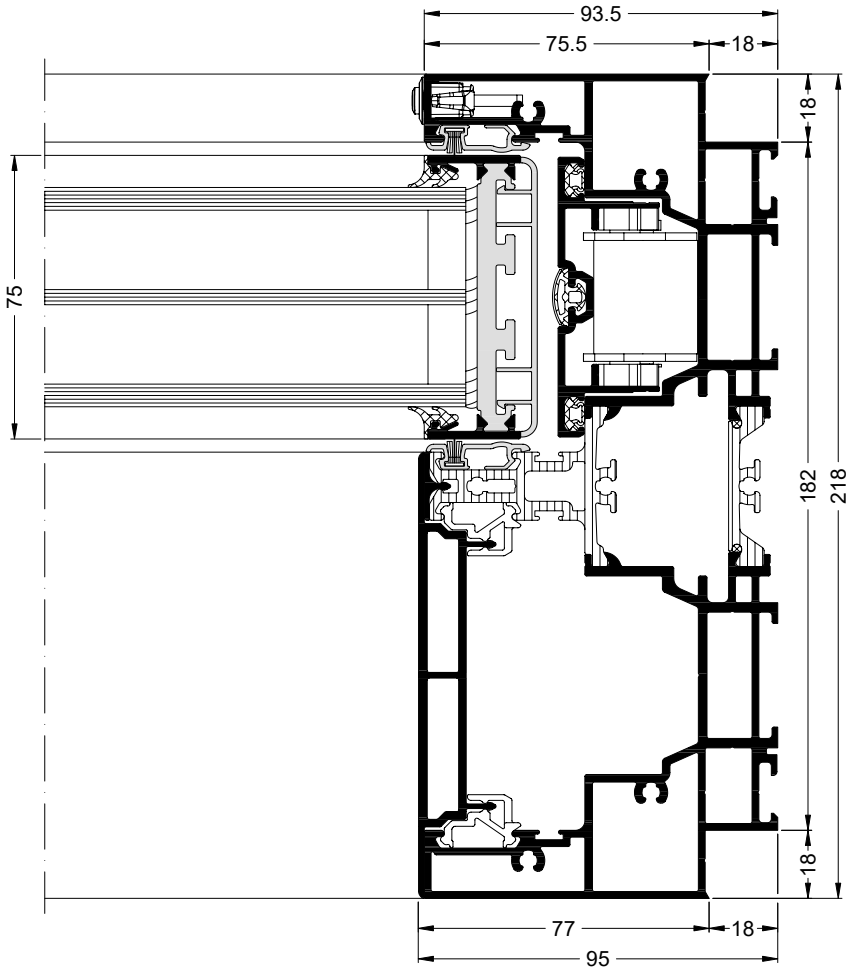




Scale 1:2

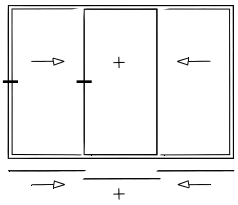
Schüco AS PD 75.HI, type 2A/1, horizontal section detail through sliding vent

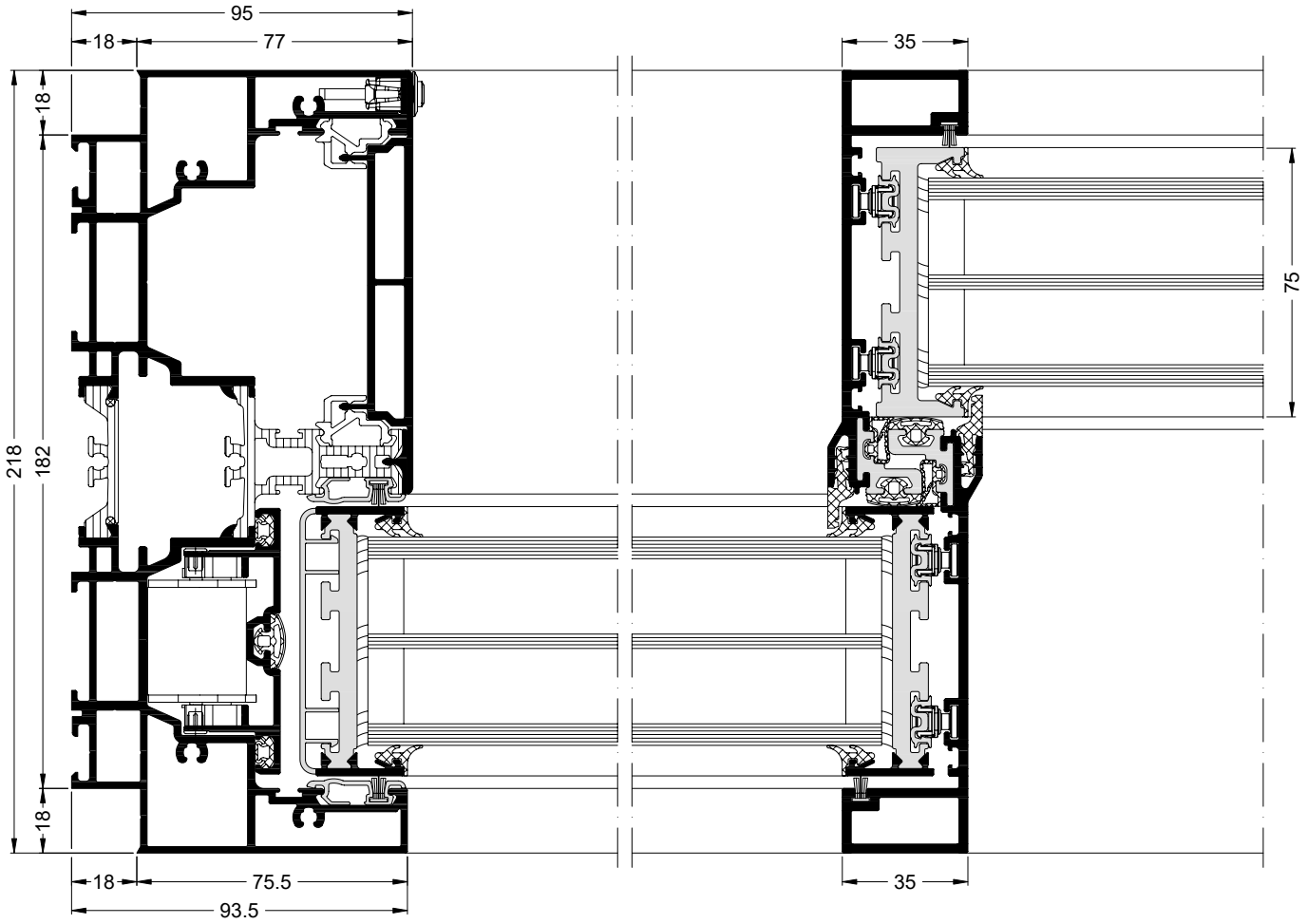




Scale 1:2

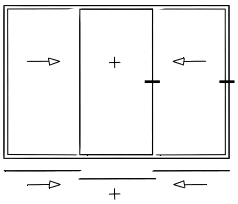
Schüco AS PD 75.HI, type 2B,
horizontal section detail through sliding vent and interlock section

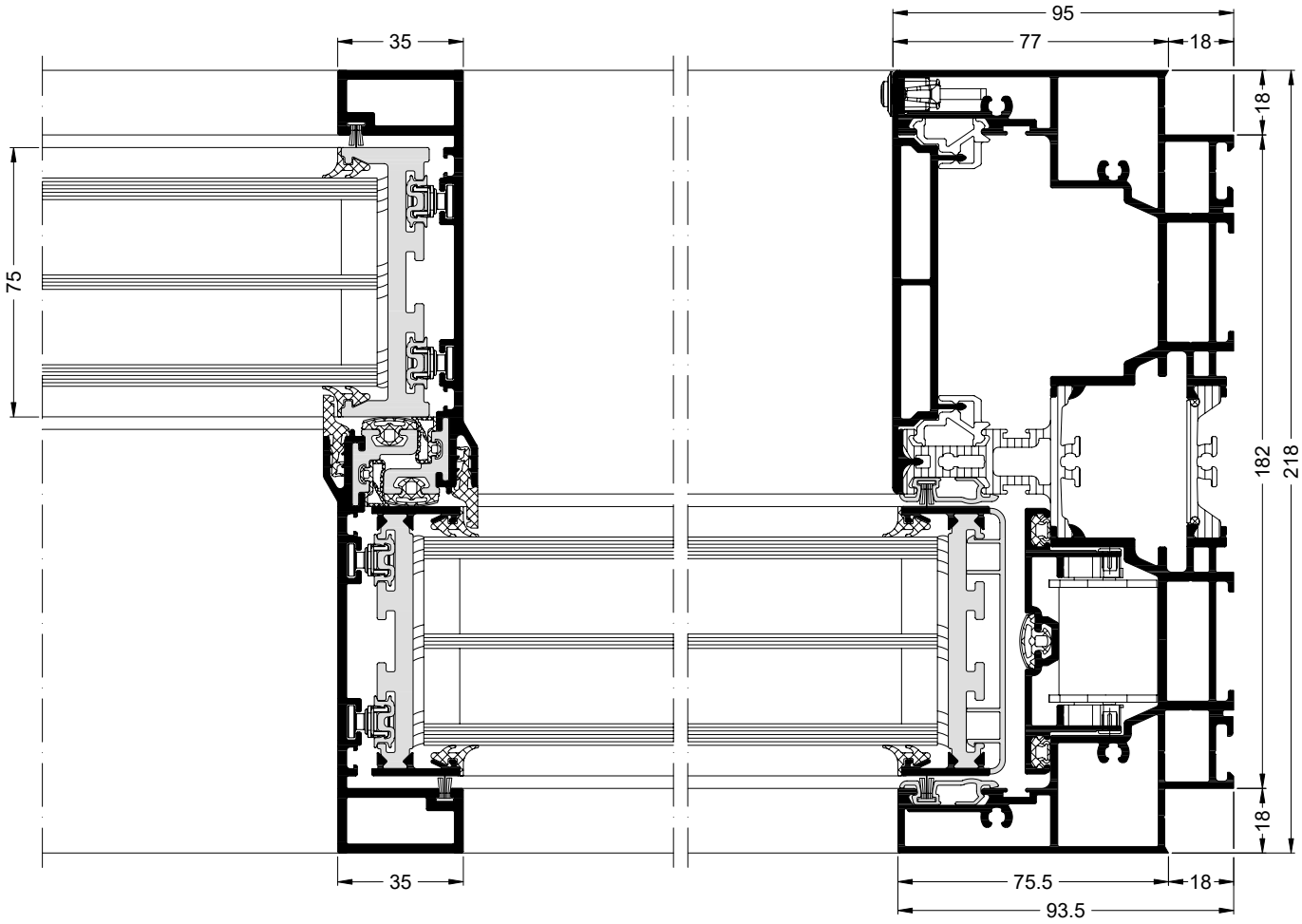




Scale 1:2

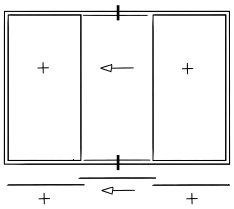
Schüco AS PD 75.HI, type 2B,
horizontal section detail through sliding vent and interlock section

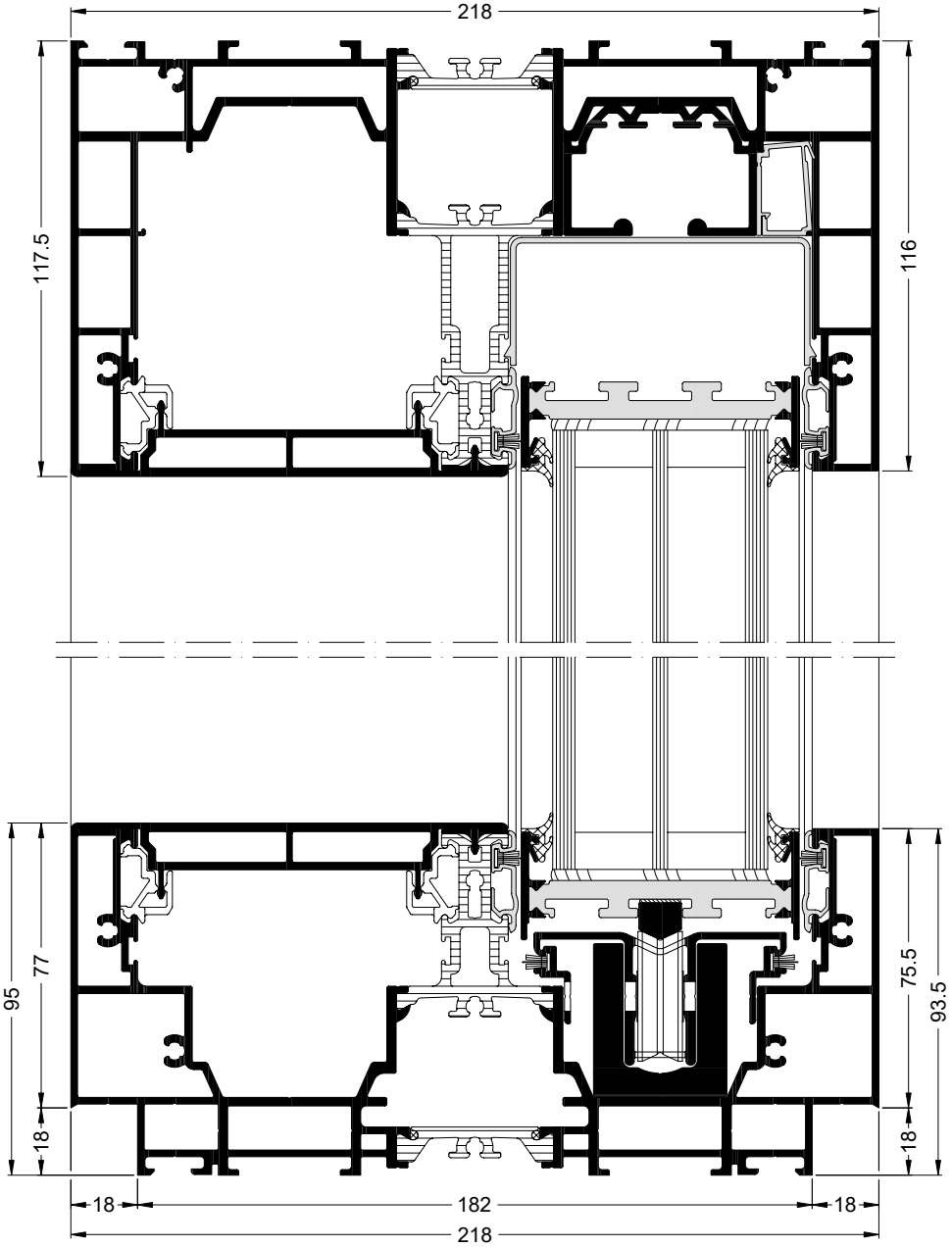




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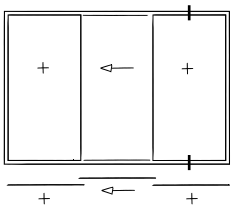
Schüco AS PD 75.HI, type 2C, vertical section detail through sliding vent

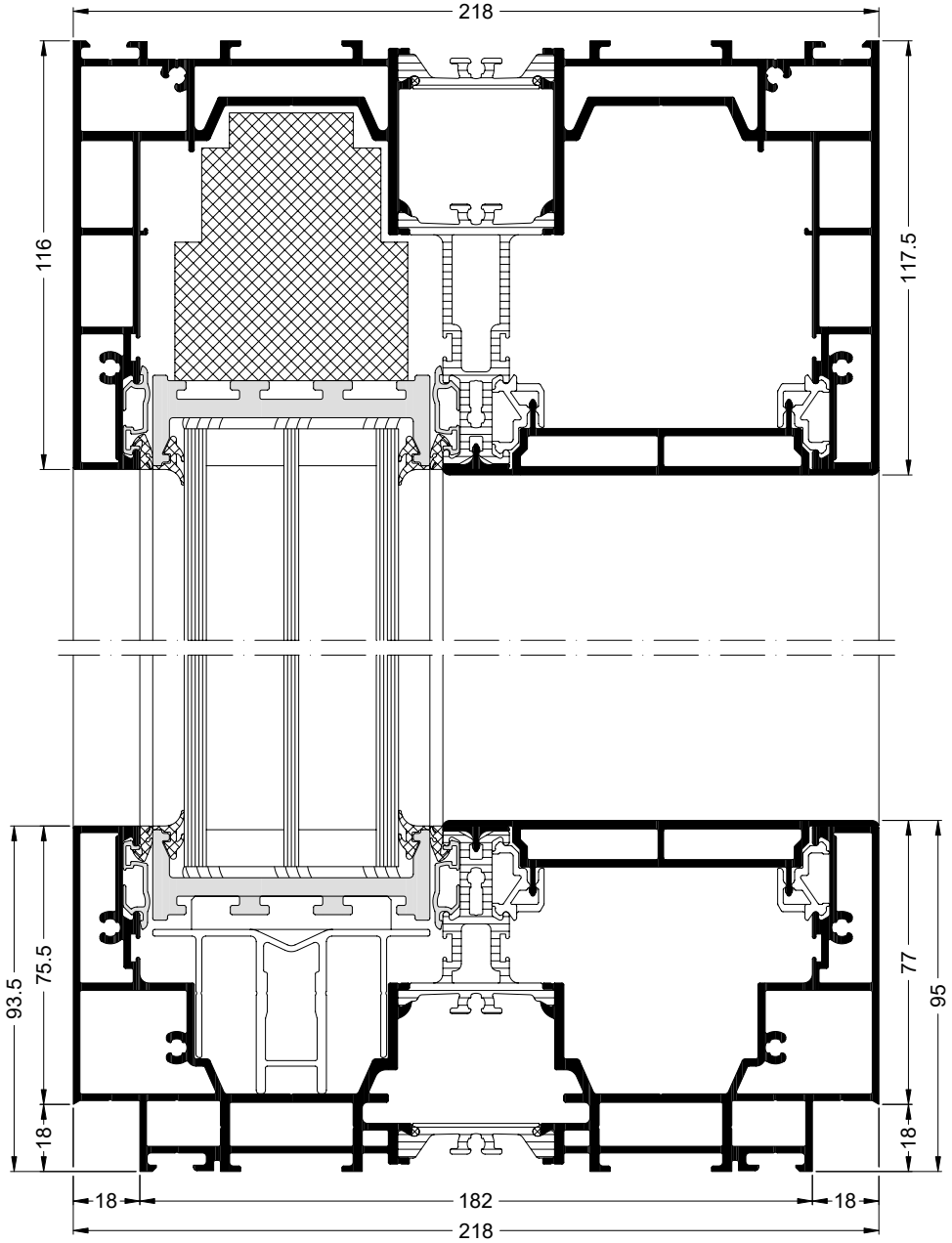




Scale 1:2

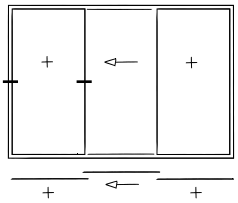
Schüco AS PD 75.HI, type 2C, vertical section detail through fixed light

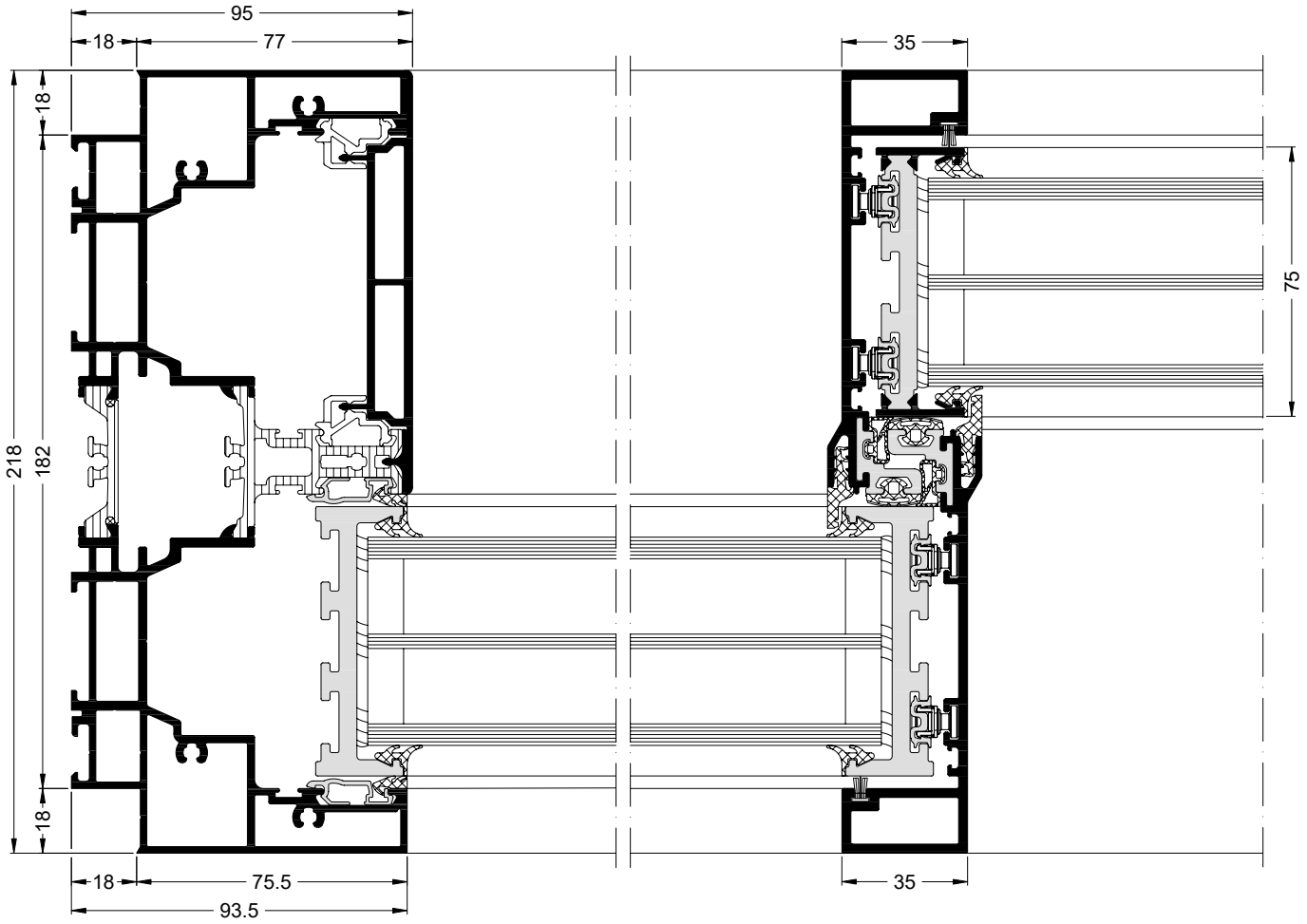




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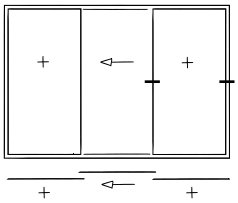
Schüco AS PD 75.HI, type 2C,
horizontal section detail through fixed light and interlock section

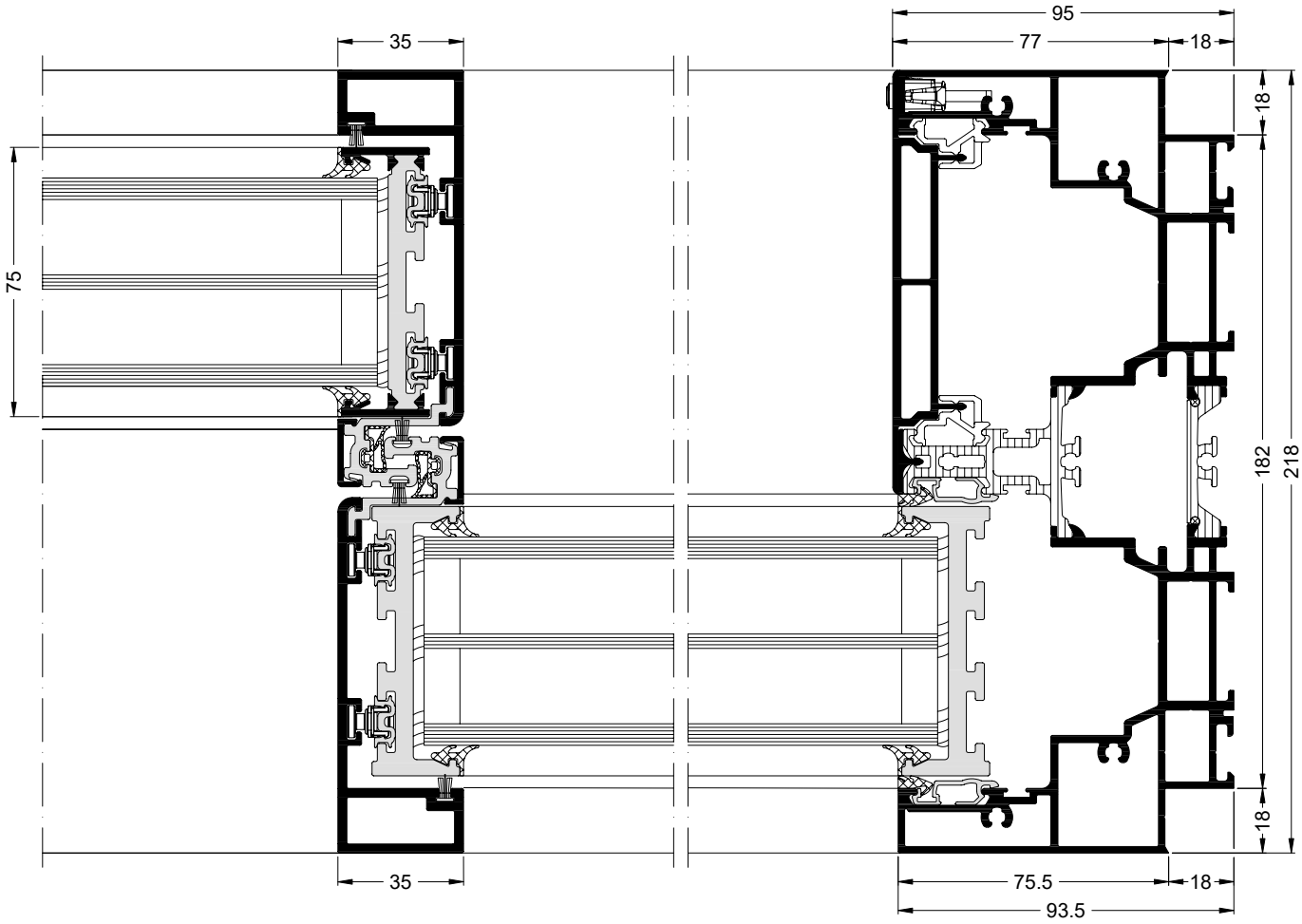




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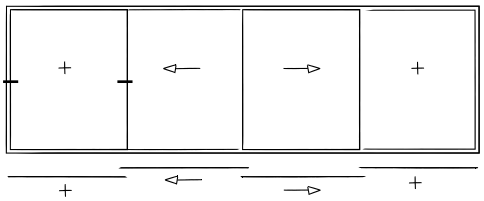
Schüco AS PD 75.HI, type 2C,
section detail through fixed light and interlock section

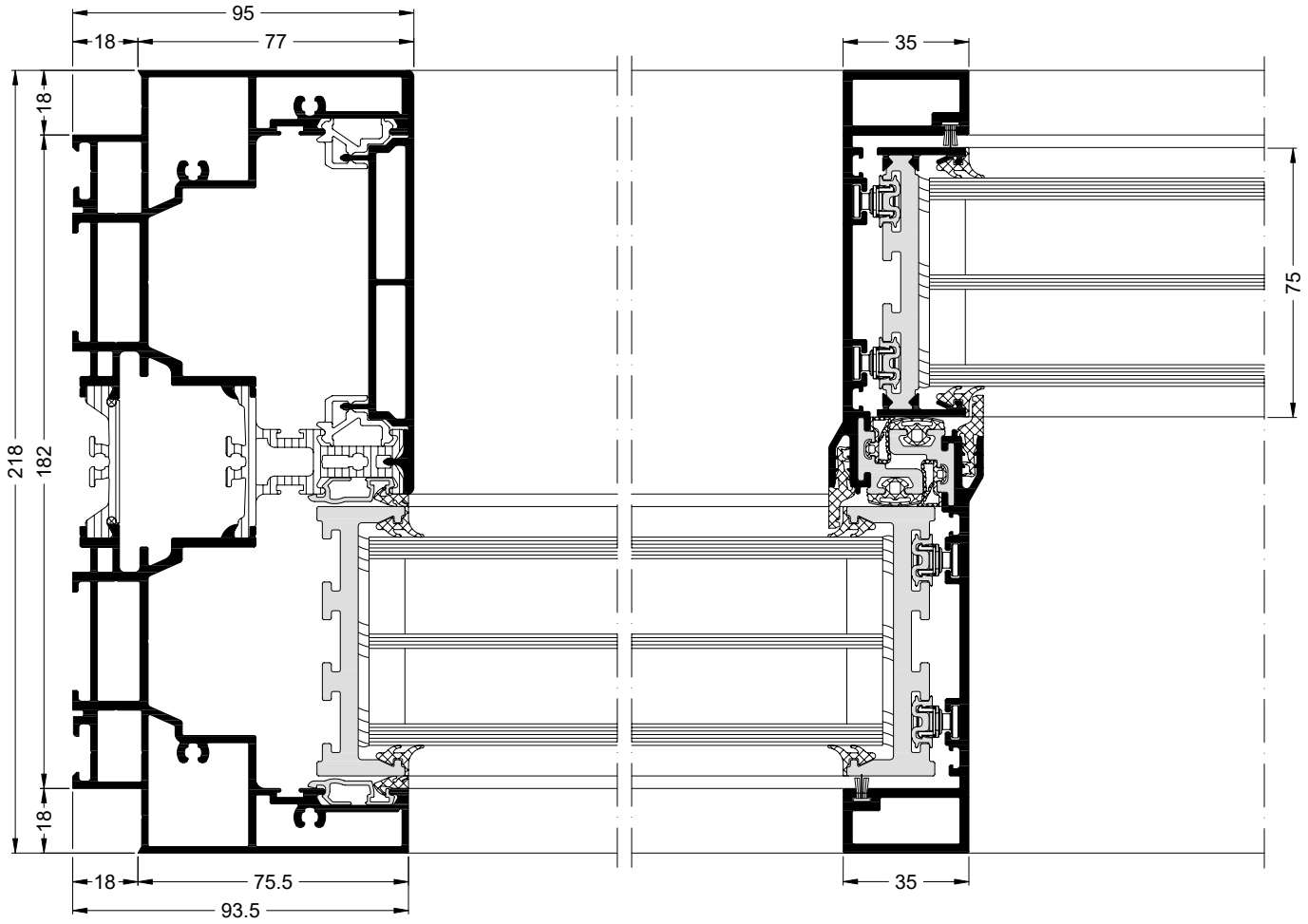




Scale 1:2

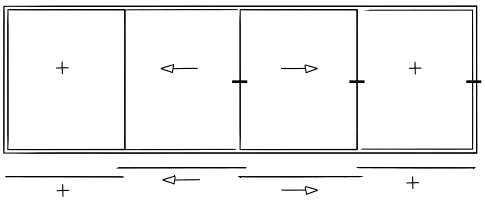
Schüco AS PD 75.HI, type 2G/1,
horizontal section detail through fixed light and interlock section

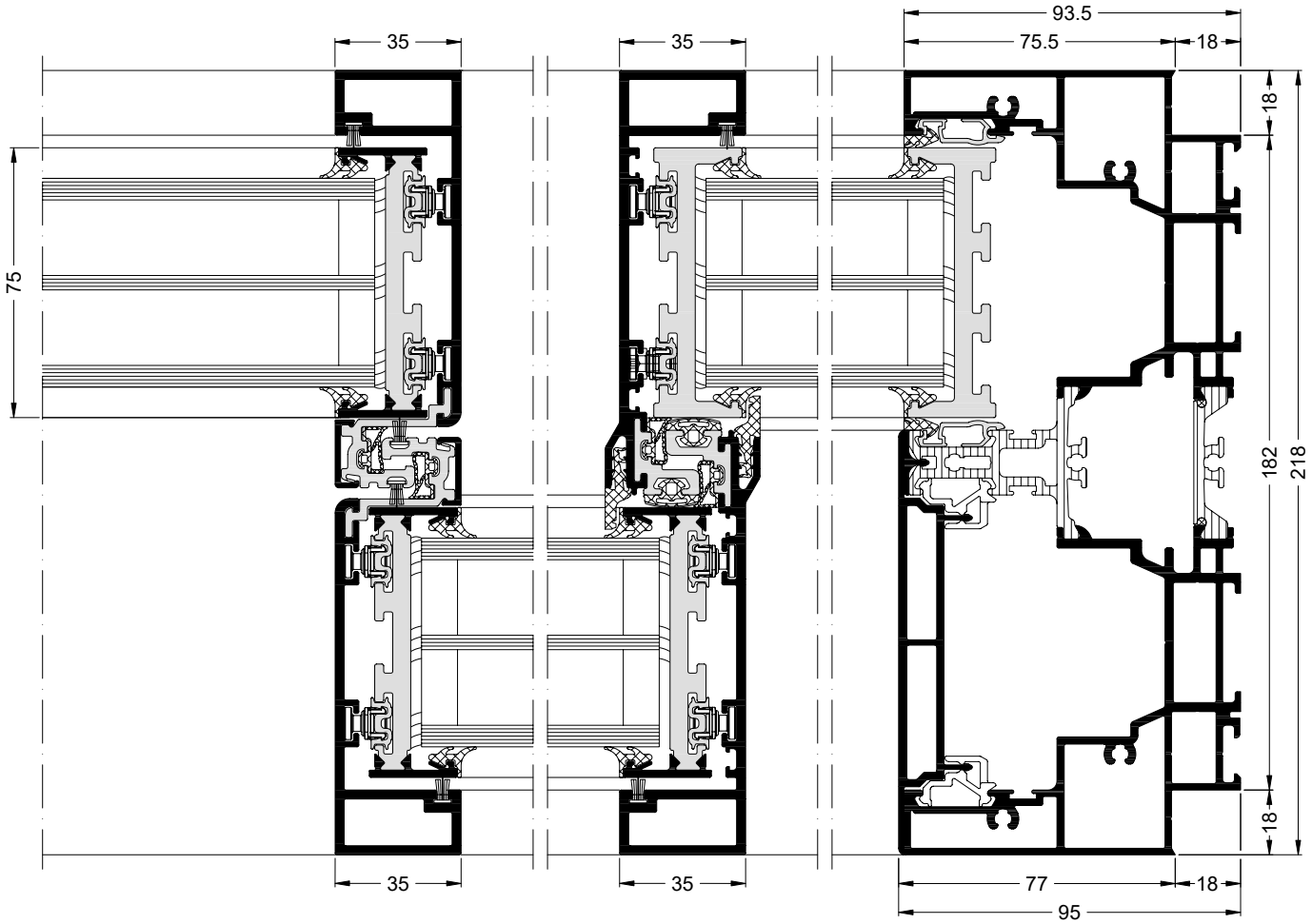




Scale 1:2

Schüco ASS 75 PD.HI, type 2G/1,
horizontal section detail through sliding vent and fixed light





Performance Line

Scale 1:2



System configuration from PreFab

System configuration from PreFab 72

74 Our solutions from PreFab Paderborn

Our solutions from PreFab Paderborn

Our solutions from PreFab Paderborn



All building projects have different requirements. In addition to the extensive range of tested system solutions, Schüco also offers a wide range of special solutions for bespoke sliding door designs. The possibilities are endless with flexible vent designs, corner constructions with angles greater than or less than 90° in the region of the fixed fields, and combinations of unequal numbers of tracks, e.g. going from double-track to triple-track sliding systems. In addition, an assessment and approval process for larger sizes guarantees efficient and reliable project planning.



The use of folding sliding and Panorama Design sliding systems is growing in popularity. The complex systems can be built quickly and easily using prefabricated kits, which are produced in a purpose-built factory in Paderborn, Germany (Schüco PreFab). The precise fabrication – by request or as a project-specific special solution with CE conformity – is prepared in close collaboration with planners and metal fabricators. The securely packaged kits are then delivered straight to the site or to the Schüco partner's company site. This ensures a high level of quality across the entire process.

Properties					
	Manuell		TipTronic		
	Access	Design	Performance	Access	Design
Maximum vent height	4.000 mm	4.000 mm	6.400 mm	6.400 mm	6.400 mm
Maximum vent width	4.000 mm	4.000 mm	5.000 mm	5.000 mm	5.000 mm
Maximum width of fixed light	6.400 mm	10.000 mm	10.000 mm	6.400 mm	10.000 mm
Maximum vent weight	500 kg	500 kg	600 kg	1.000 kg	1.000 kg
Maximum weight of fixed light	2.000 kg	2.000 kg	2.000 kg	2.000 kg	2.000 kg
Seamless (double-track)	■	■	■	■	■
Access with pneumatic tyres*	■	–	■	■	–
All-glass corner	■	■	■	■	■
Openable corner	Q2/2024	Q2/2024	Q1 2024	On request	On request
Offset double-vent options 2G and 2 G/1 manually	Q4/2023	Q4/2023	–	–	–
Triple-track	Q3/2023	Q3/2023	Q1/2024	Q1/2024	Q1/2024
Alarmed glass	■	■	On request	■	■
Height offset	■	■	■	■	■
Combination of double/triple-track	■	■	■	■	■
All-glass corner <90°>	■	■	■	■	■
InWall solution	■	■	■	■	■
Flyscreen (2A/1 and 2B)	On request	Q1/2024	On request	On request	On request
AB ZDS sun shading (single field: maximum 18 m²)	■	■	■	■	■

* No traction



Planning documentation

Planning documentation 76

78 Sun shading

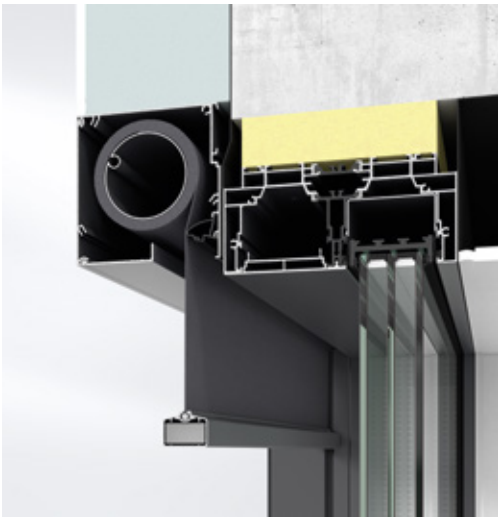
80 Statics diagrams

104 Attachments to building structure

107 TipTronic

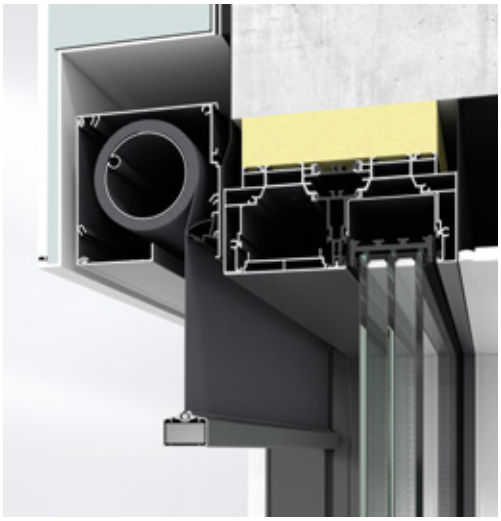
Graphical planning data such as detailed drawings, attachment to building structure drawings and CAD drawings, which you can find in our technical documentation (manuals, Architect Information and instructions) as well as our CAD and BIM data libraries and which you can save to your computer, are examples which are intended to help you plan and design your project. This content must be checked for its suitability in the relevant structural scenario. The technical and legal regulations, the site conditions, and the design and structural requirements must be assessed and planned independently by the developer and observed by the company contracted to do the work.

Sun shading



Schüco AB ZDS sun shading system in front of Schüco ASE sliding system – visible box (Quadro)

- Inspection from the front
- Easy access
- Square box



Schüco AB ZDS sun shading system in front of Schüco ASE sliding system – plastered-in box (Intego)

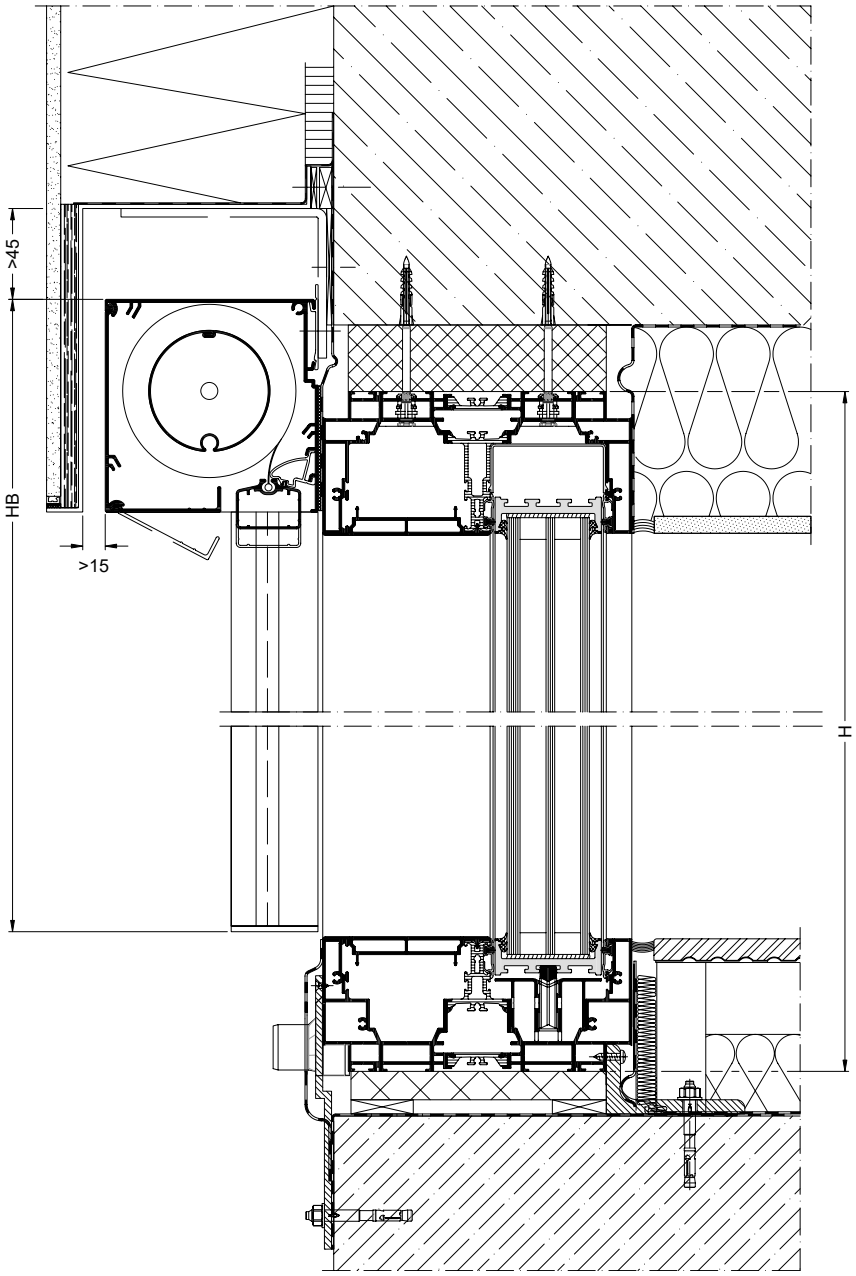
- Inspection from the front from below
- Easy access
- Square box
- Plastered-in blind box

Technical Information	
Shading	
Sun shading	■
View to outside	■
Complete shading	■
Dimensions	
Minimum width in mm	662
Minimum height in mm	600
Maximum width in mm	6,000
Maximum height in mm	6,000
Maximum area in m^2	18
Maximum weight in kg (including blind box)	100
Maximum wind speed in m/s	25
Electric motor	
Output in W	200
Voltage in V	230/50
Operating time in minutes	4
Protection rating	IP 44

Schüco Sun Shading System AB ZDS

- Seamless, linear adjustment to Schüco ASE 60, ASE 80.HI and AS PD 75.HI sliding systems
- High wind stability up to 25 m/s (force 9 to 10 on the Beaufort scale)
- Minimalist, modern guide track design
- Excellent views to the outside with a high level of transparency of 0% to 14% – depending on the chosen textile and the fabric openness coefficient
- Weather-resistant, low-flammability textiles (class B1)
- Detection of obstacles when blinds are raised and lowered

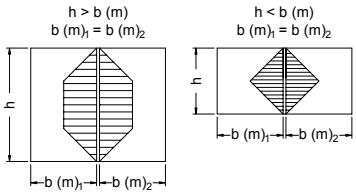
Schüco sun shading installation in Schüco AS PD 75.HI



Statics diagrams

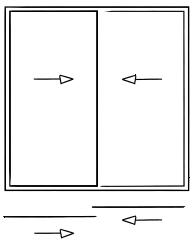
Statics diagrams for Schüco AS PD 75 – Design Line and Access Line sliding units

Structural systems

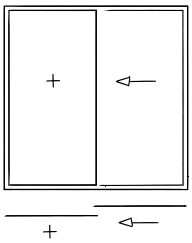


Section detail overview by type

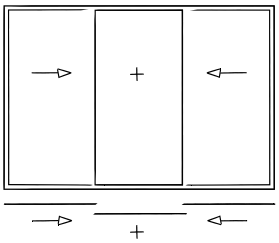
Type 2 A



Type 2 A/1



Type 2 B



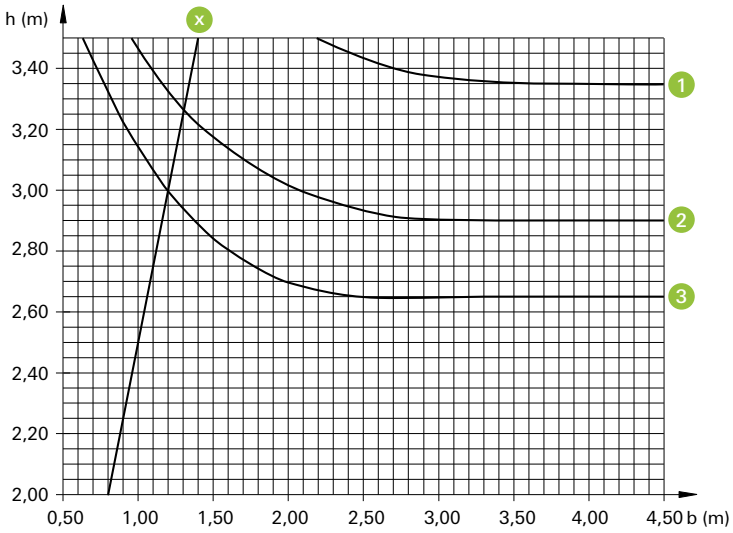
Test pressure used

1. 400 Pa
2. 800 Pa
3. 1.200 Pa
- x h/b = 2,5

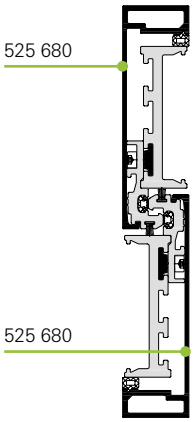
Resistance to wind load in accordance with DIN EN 12210 for the standard building area. Deflection limit L/200 or max. 15 mm in structural accordance with DIN 18008-2:2020-05. Differing deflection limits set by the insulating glass manufacturer must be observed. These statics diagrams are intended for preliminary structural calculations and profile selection only, they are not a substitute for the structural calculation. Vent sizes below the line are structurally adequat.

Diagrams for calculating the maximum vent sizes depending on the profile combination

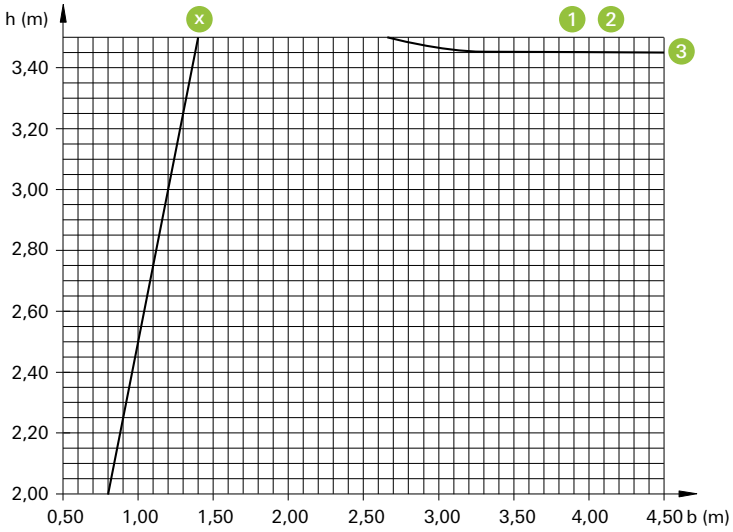
Single-track, running internally

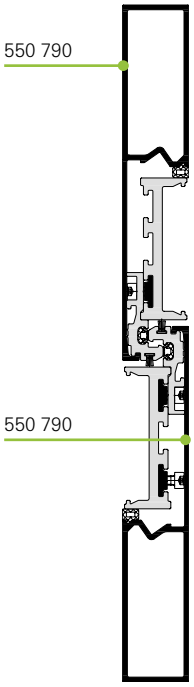


Vent profile up to 500 kg



Ix value = 142.36 cm^4

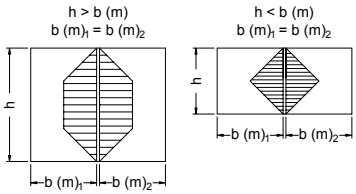




Ix value = 483.06 cm^4

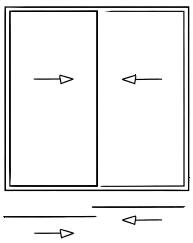
Statics diagrams for Schüco AS PD 75 – Design Line and Access Line sliding units

Structural systems

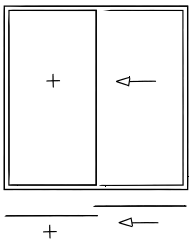


Section detail overview

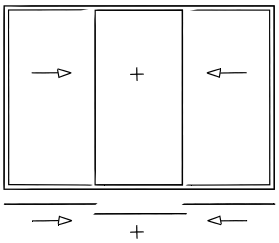
Type 2 A



Type 2 A/1



Type 2 B



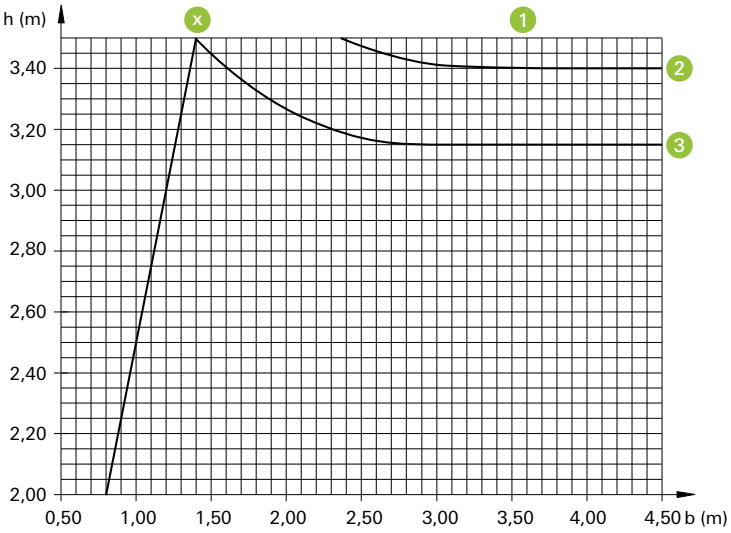
Test pressure used

1. 400 Pa
2. 800 Pa
3. 1.200 Pa
- x h/b = 2,5

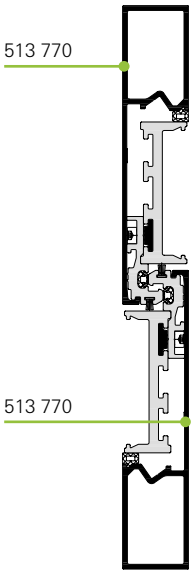
Resistance to wind load in accordance with DIN EN 12210 for the standard building area. Deflection limit L/200 or max. 15 mm in structural accordance with DIN 18008-2:2020-05. Differing deflection limits set by the insulating glass manufacturer must be observed. These statics diagrams are intended for preliminary structural calculations and profile selection only, they are not a substitute for the structural calculation. Vent sizes below the line are structurally adequat.

Diagrams for calculating the maximum vent sizes depending on the profile combination

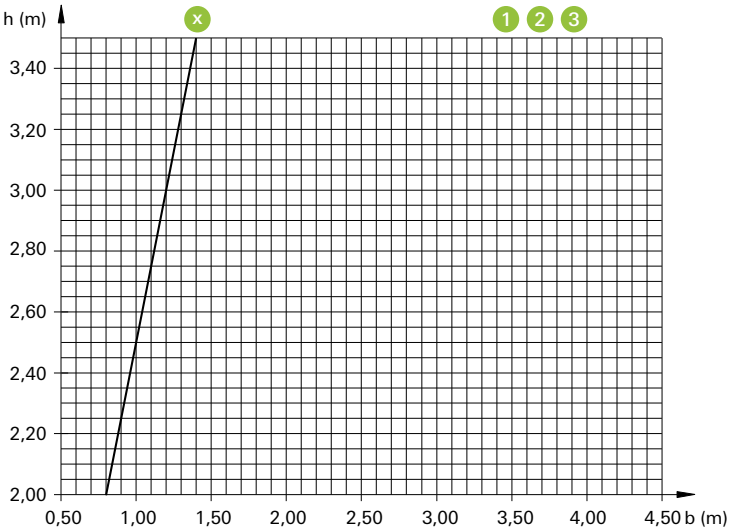
Single-track, running internally

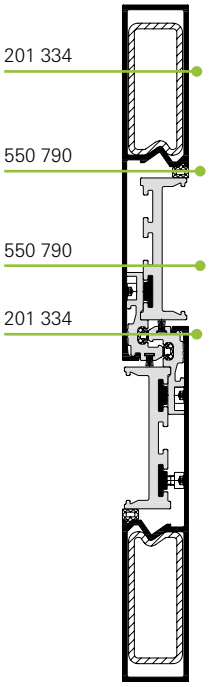


Vent profile up to 500 kg



Ix value = 299.68 cm^4

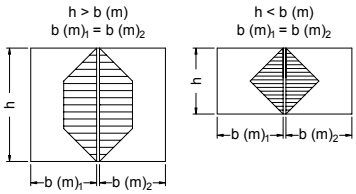




Ix value = 664.56 cm^4

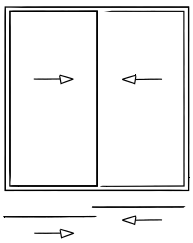
Statics diagrams for Schüco AS PD 75 – Design Line and Access Line sliding units

Structural systems

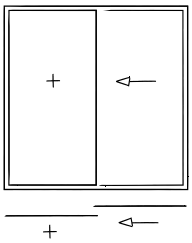


Section detail overview

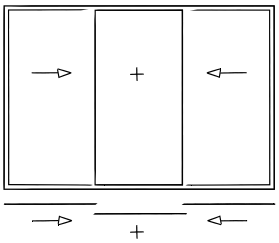
Type 2 A



Type 2 A/1



Type 2 B



Test pressure used

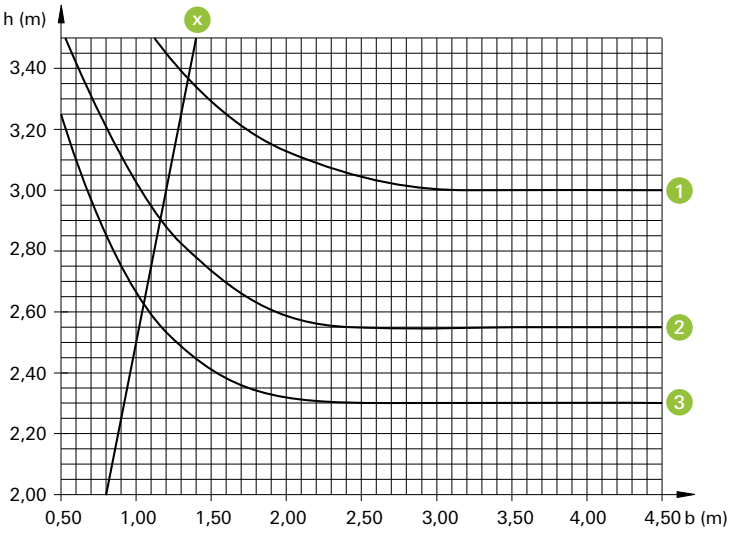
1. 400 Pa
2. 800 Pa
3. 1.200 Pa
- x h/b = 2,5

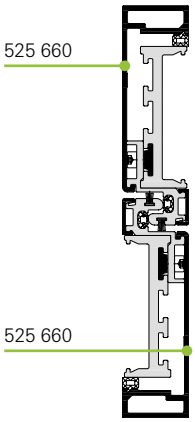
Resistance to wind load in accordance with DIN EN 12210 for the standard building area. Deflection limit L/200 or max. 15 mm in structural accordance with DIN 18008-2:2020-05. Differing deflection limits set by the insulating glass manufacturer must be observed. These statics diagrams are intended for preliminary structural calculations and profile selection only, they are not a substitute for the structural calculation. Vent sizes below the line are structurally adequat.

Diagrams for calculating the maximum vent sizes depending on the profile combination

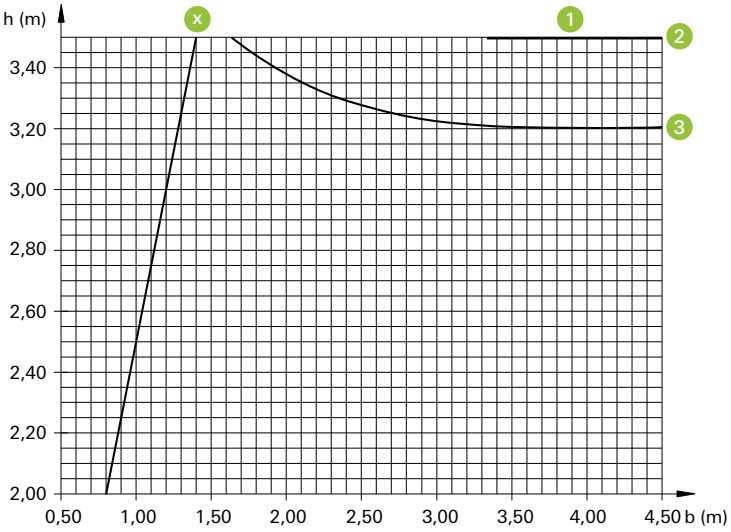
Single-track, running internally

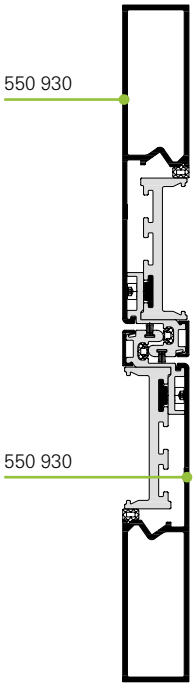
Vent profile up to 500 kg





Ix value = 82.54 cm^4

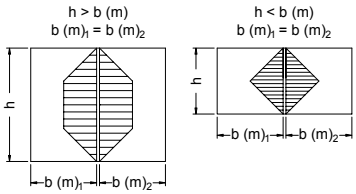




Ix value = 344.18 cm^4

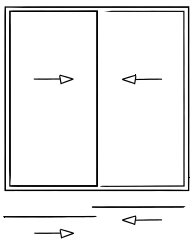
Statics diagrams for Schüco AS PD 75 – Design Line and Access Line sliding units

Structural systems

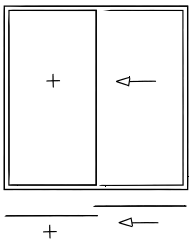


Section detail overview

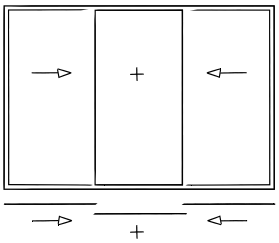
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Type 2 A/1



Type 2 B



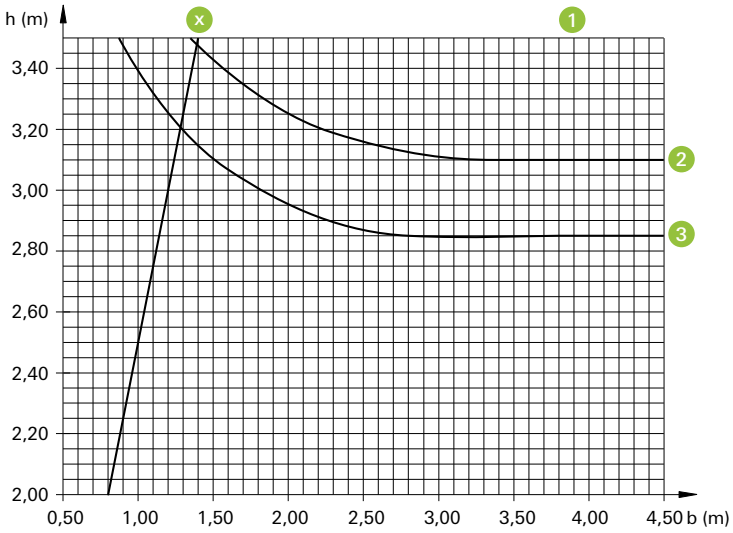
Test pressure used

1. 400 Pa
2. 800 Pa
3. 1.200 Pa
- x h/b = 2,5

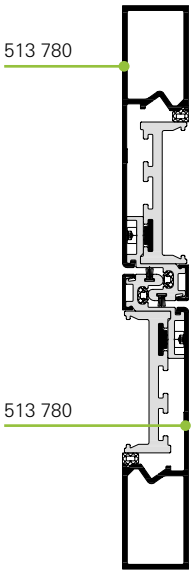
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Diagrams for calculating the maximum vent sizes depending on the profile combination

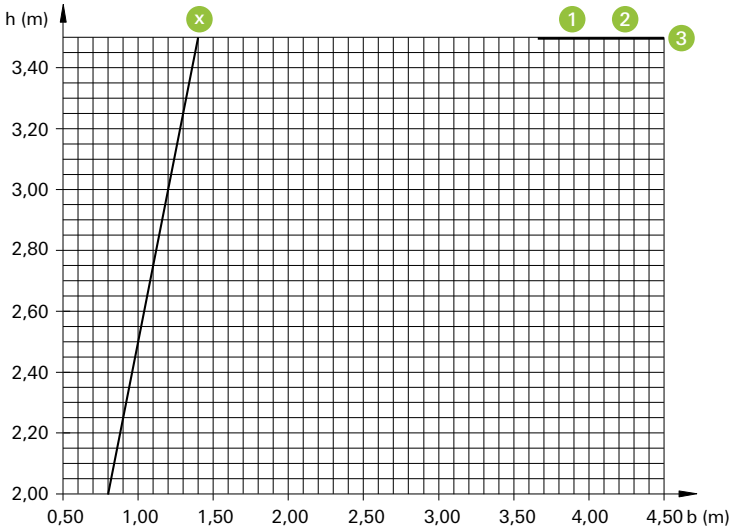
Single-track, running internally

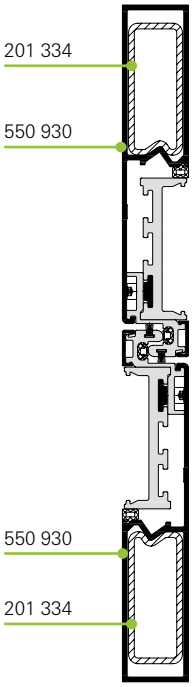


Vent profile up to 500 kg



Ix value = 195.20 cm⁴

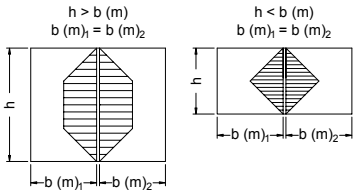




Ix value = 525.68 cm⁴

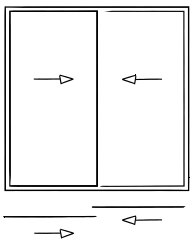
Statics diagrams for Schüco AS PD 75 – Design Line TipTronic and Access Line TipTronic sliding units

Structural systems

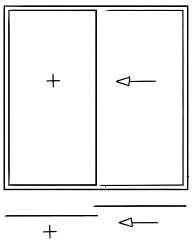


Section detail overview

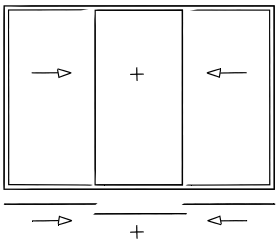
Type 2 A



Type 2 A/1



Type 2 B



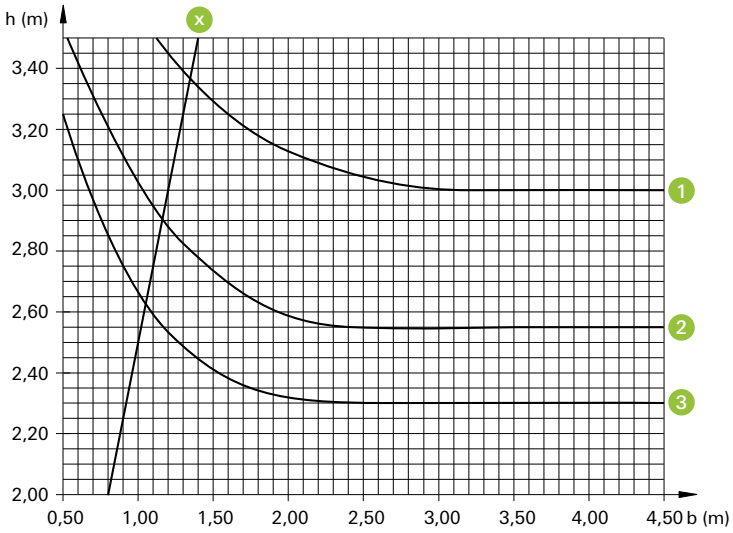
Test pressure used

1. 400 Pa
2. 800 Pa
3. 1.200 Pa
- x h/b = 2,5

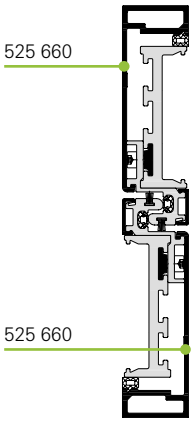
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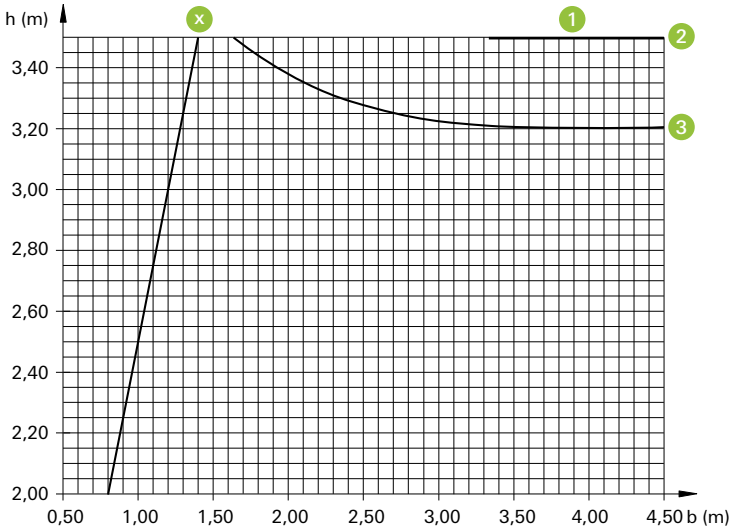
Single-track, running internally

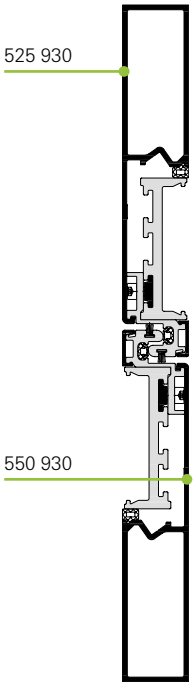


Vent profile up to 1,000 kg



Ix value = 82.54 cm^4

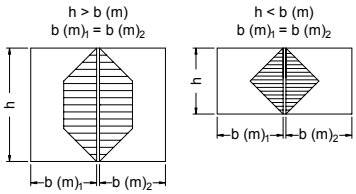




Ix value = 344.18 cm^4

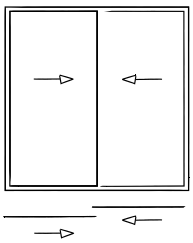
Statics diagrams for Schüco AS PD 75 – Design Line TipTronic and Access Line TipTronic sliding units

Structural systems

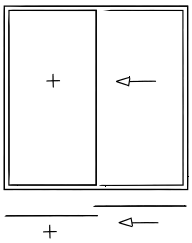


Section detail overview

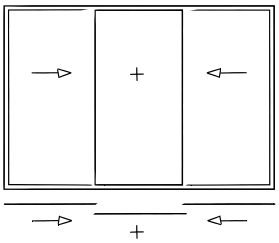
Type 2 A



Type 2 A/1



Type 2 B



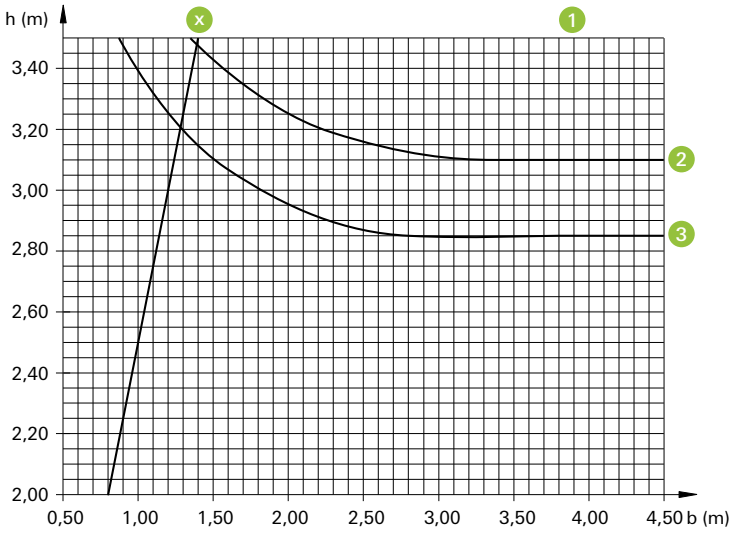
Test pressure used

1. 400 Pa
2. 800 Pa
3. 1.200 Pa
- x h/b = 2,5

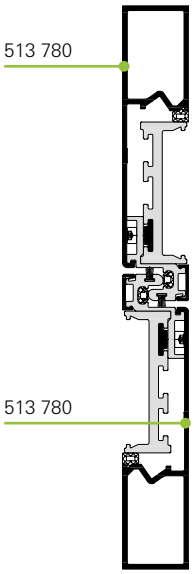
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Diagrams for calculating the maximum vent sizes depending on the profile combination

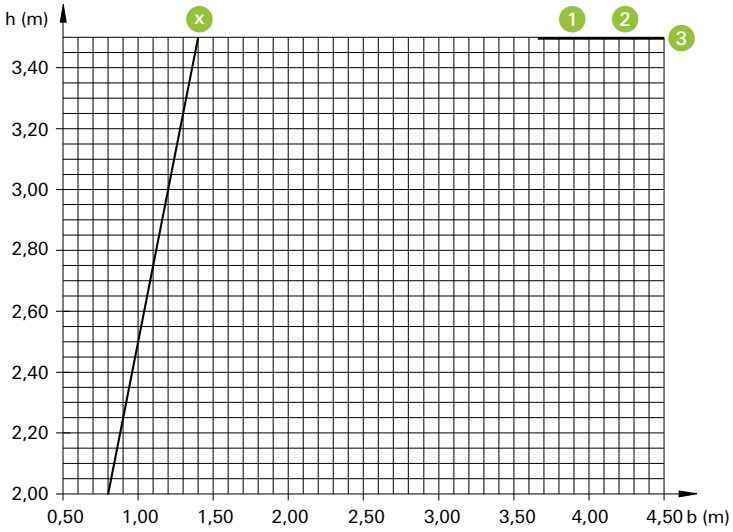
Single-track, running internally

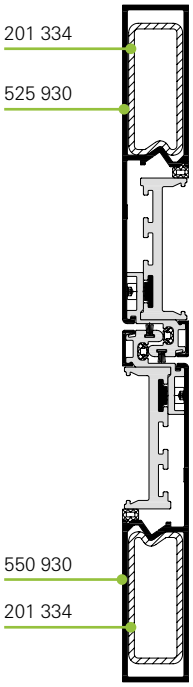


Vent profile up to 1,000 kg



Ix value = 195.20 cm^4

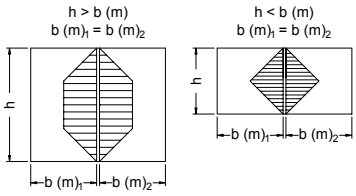




Ix value = 525.68 cm^4

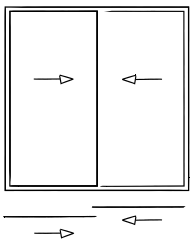
Statics diagrams for Schüco AS PD 75 – Design Line TipTronic and Access Line TipTronic sliding units

Structural systems

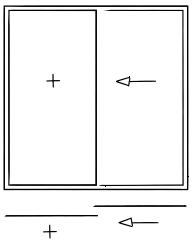


Section detail overview

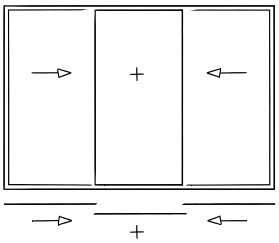
Type 2 A



Type 2 A/1



Type 2 B



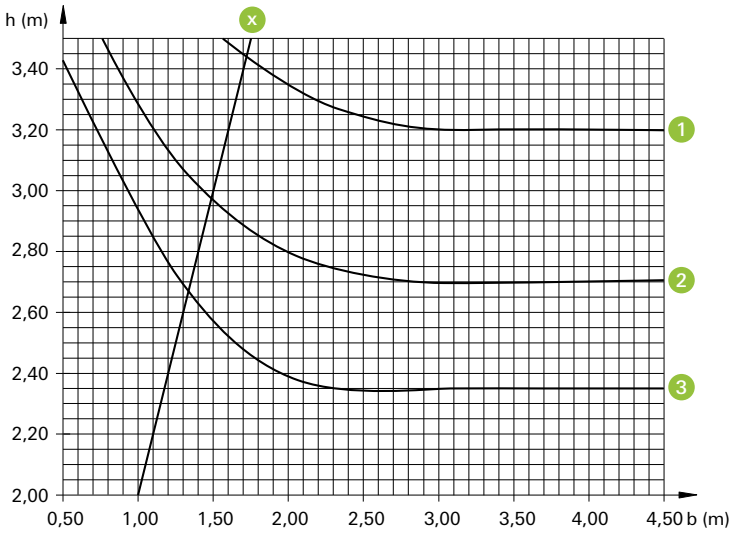
Test pressure used

1. 400 Pa
2. 800 Pa
3. 1.200 Pa
- x h/b = 2,5

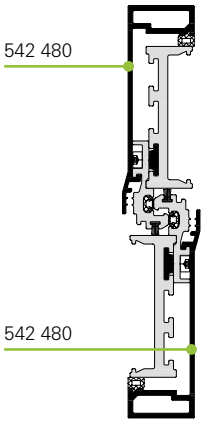
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Diagrams for calculating the maximum vent sizes depending on the profile combination

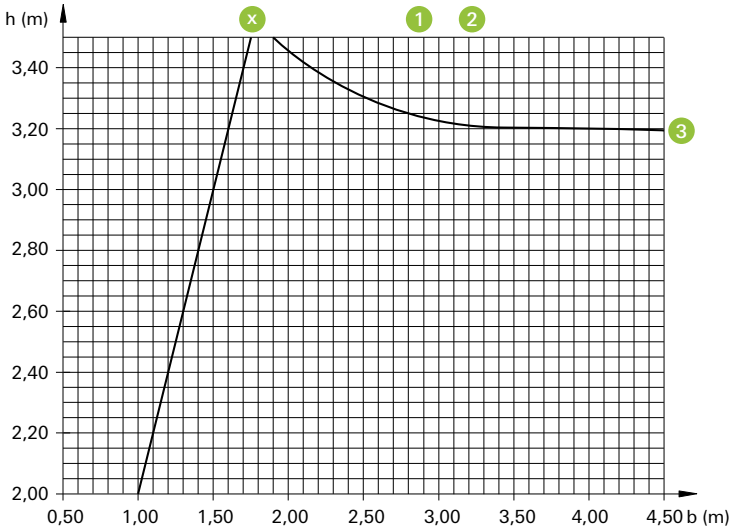
Single-track, running internally

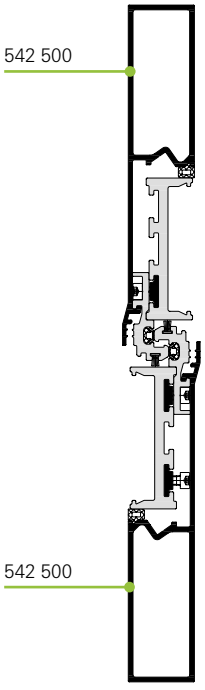


Vent profile up to 1,000 kg



Ix value = 110.40 cm^4

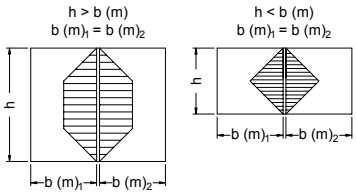




Ix value = 409.54 cm^4

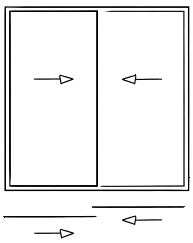
Statics diagrams for Schüco AS PD 75 – Design Line TipTronic and Access Line TipTronic sliding units

Structural systems

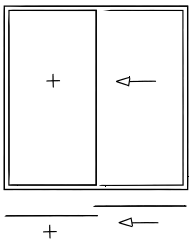


Section detail overview

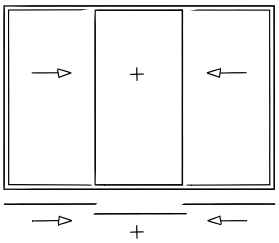
Type 2 A



Type 2 A/1



Type 2 B



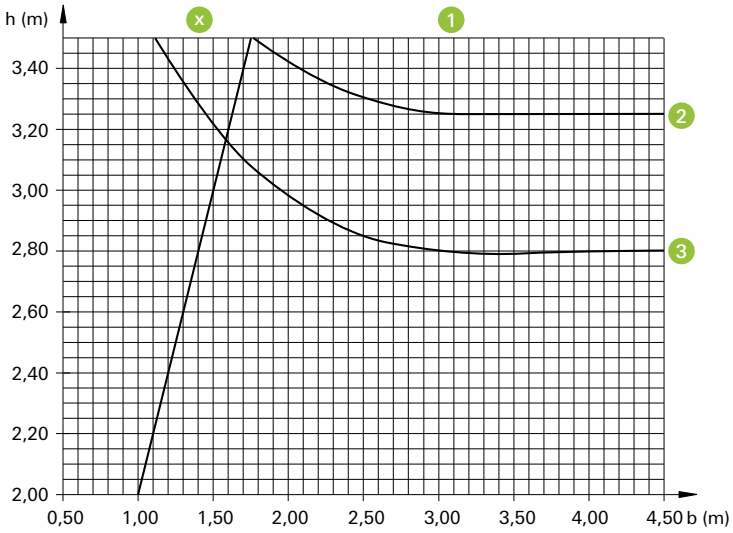
Test pressure used

1. 400 Pa
2. 800 Pa
3. 1.200 Pa
- x h/b = 2,5

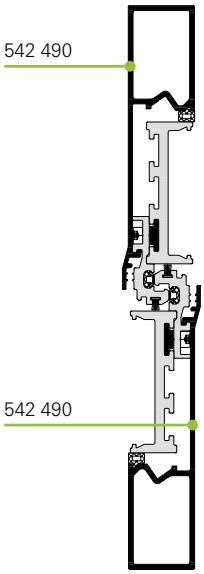
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Diagrams for calculating the maximum vent sizes depending on the profile combination

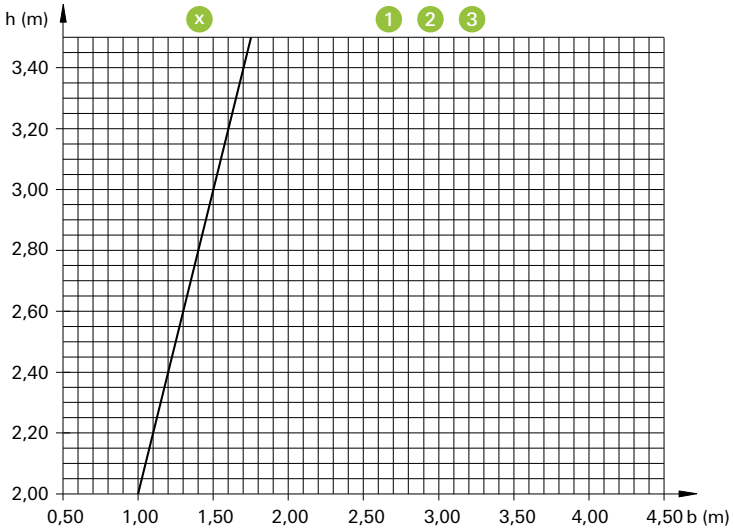
Single-track, running internally

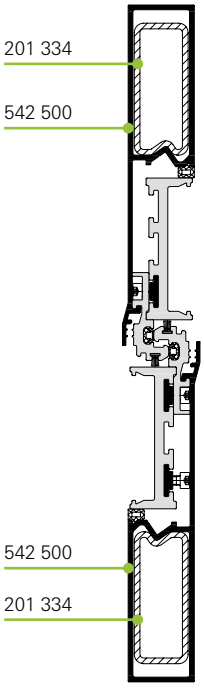


Vent profile up to 1,000 kg



Ix value = 243.08 cm⁴

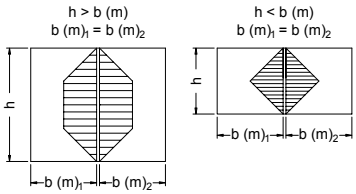




Ix value = 591.04 cm⁴

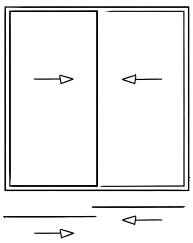
Statics diagrams for Schüco AS PD 75 – Performance Line sliding units

Structural systems

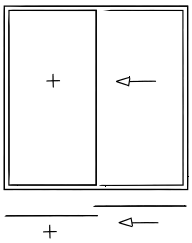


Section detail overview

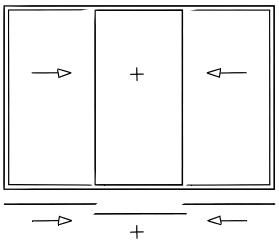
Type 2 A



Type 2 A/1



Type 2 B



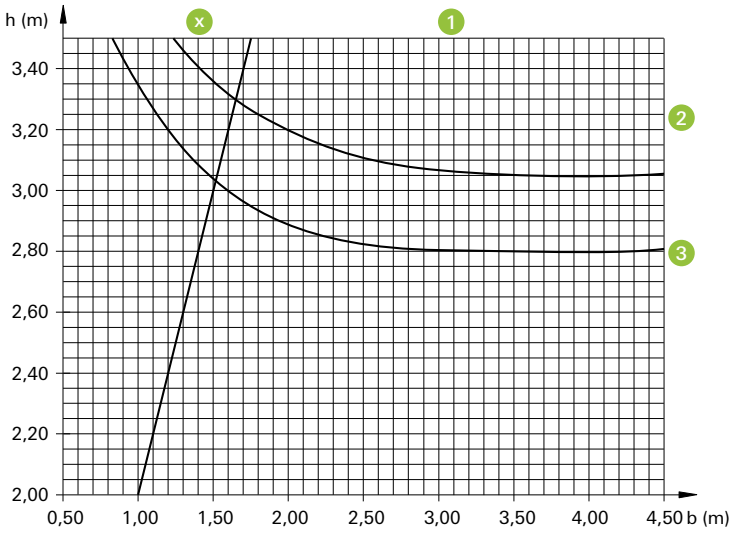
Test pressure used

1. 400 Pa
2. 800 Pa
3. 1.200 Pa
- x h/b = 2,5

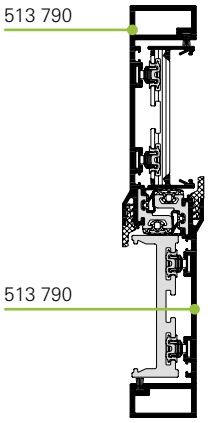
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Diagrams for calculating the maximum vent sizes depending on the profile combination

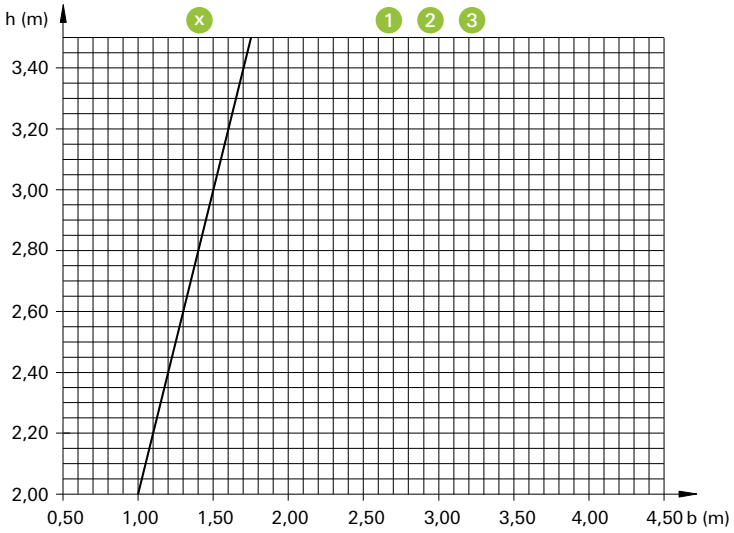
Single-track, running internally

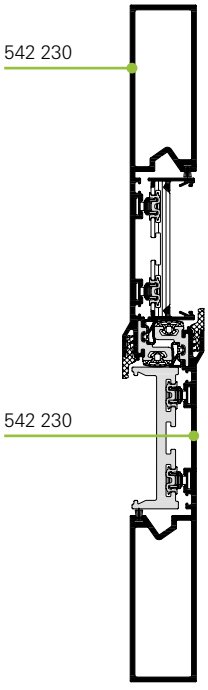


Vent profile up to 600 kg



Ix value = 181.44 cm^4

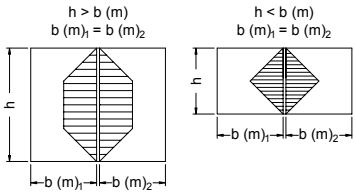




Ix value = 597.12 cm^4

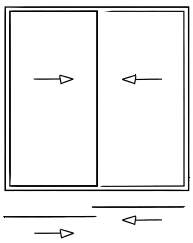
Statics diagrams for Schüco AS PD 75 – Performance Line sliding units

Structural systems

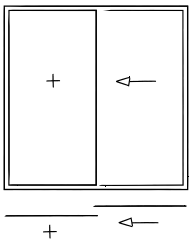


Section detail overview

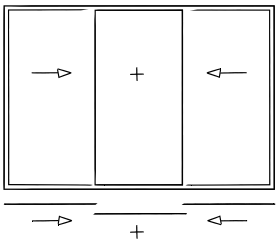
Type 2 A



Type 2 A/1



Type 2 B



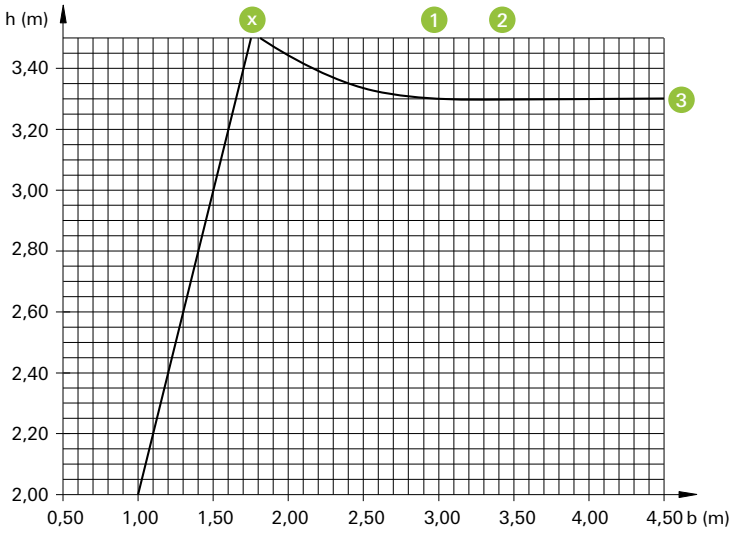
Test pressure used

1. 400 Pa
2. 800 Pa
3. 1.200 Pa
- x h/b = 2,5

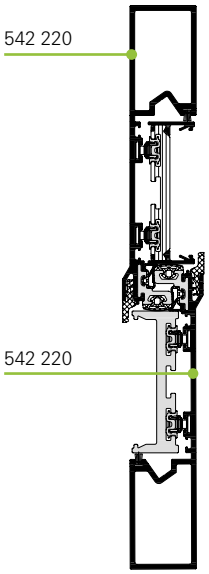
Resistance to wind load in accordance with DIN EN 12210 for the standard building area. Deflection limit L/200 or max. 15 mm in structural accordance with DIN 18008-2:2020-05. Differing deflection limits set by the insulating glass manufacturer must be observed. These statics diagrams are intended for preliminary structural calculations and profile selection only, they are not a substitute for the structural calculation. Vent sizes below the line are structurally adequat.

Diagrams for calculating the maximum vent sizes depending on the profile combination

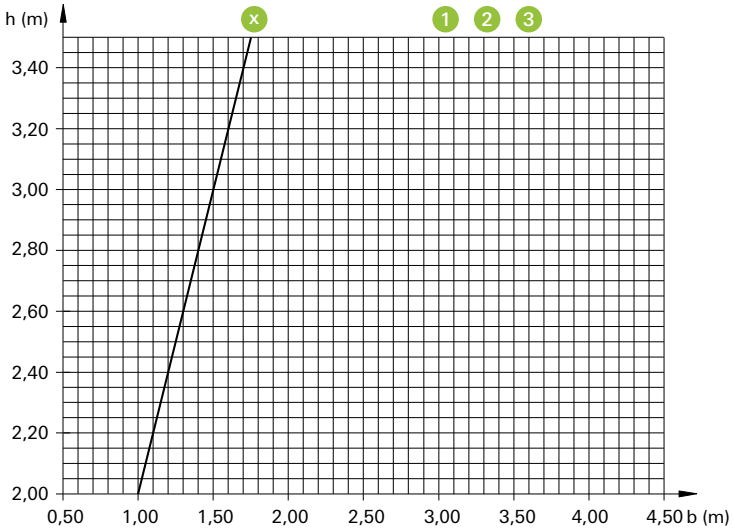
Single-track, running internally

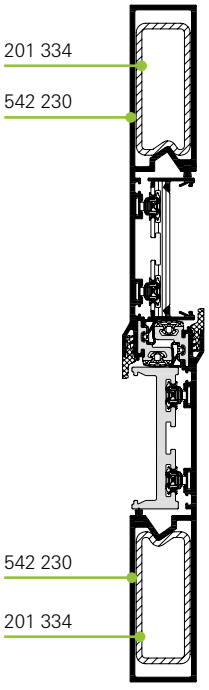


Vent profile up to 600 kg



Ix value = 373.70 cm^4

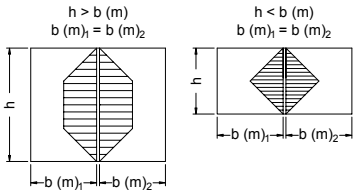




Ix value = 778.62 cm^4

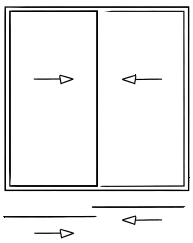
Statics diagrams for Schüco AS PD 75 – Performance Line sliding units

Structural systems

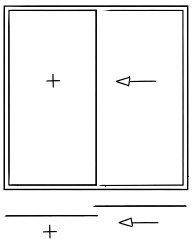


Section detail overview

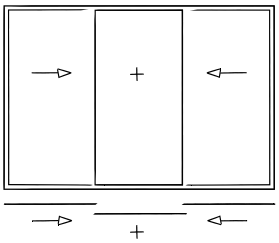
Type 2 A



Type 2 A/1



Type 2 B



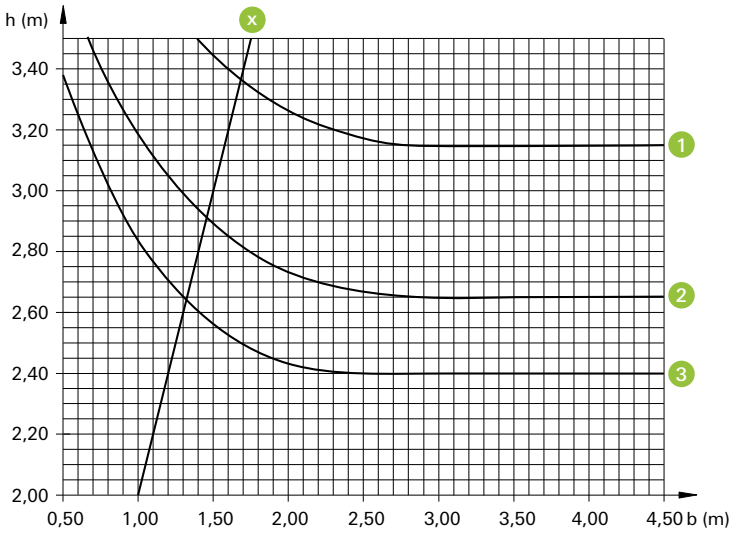
Test pressure used

1. 400 Pa
2. 800 Pa
3. 1.200 Pa
- x h/b = 2,5

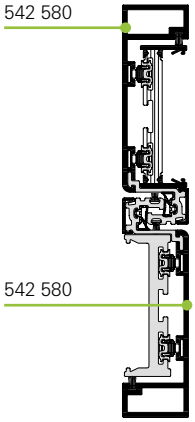
Resistance to wind load in accordance with DIN EN 12210 for the standard building area. Deflection limit L/200 or max. 15 mm in structural accordance with DIN 18008-2:2020-05. Differing deflection limits set by the insulating glass manufacturer must be observed. These statics diagrams are intended for preliminary structural calculations and profile selection only, they are not a substitute for the structural calculation. Vent sizes below the line are structurally adequat.

Diagrams for calculating the maximum vent sizes depending on the profile combination

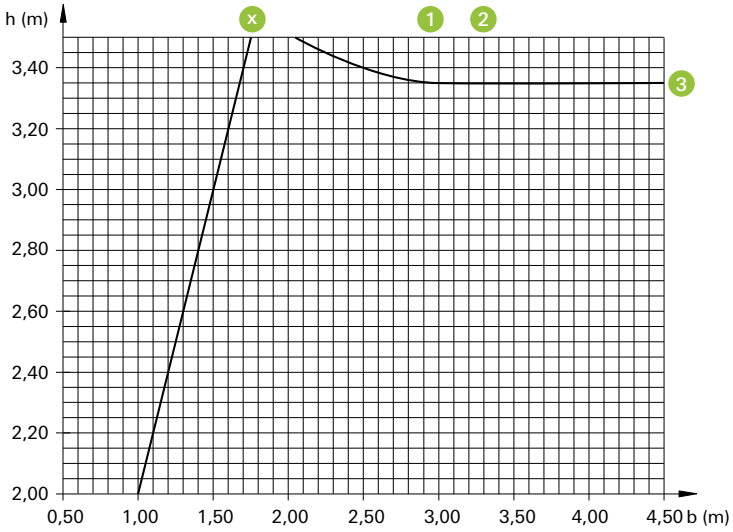
Single-track, running internally

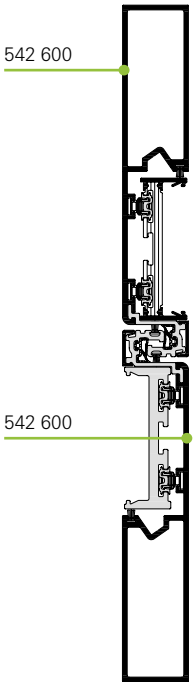


Vent profile up to 600 kg



Ix value = 100.10 cm^4

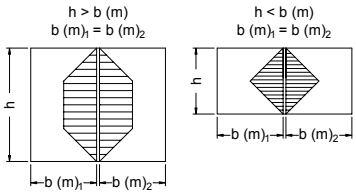




Ix value = 409.94 cm^4

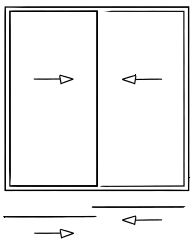
Statics diagrams for Schüco AS PD 75 – Performance Line sliding units

Structural systems

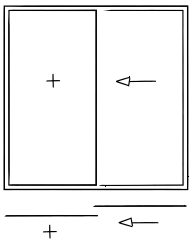


Section detail overview

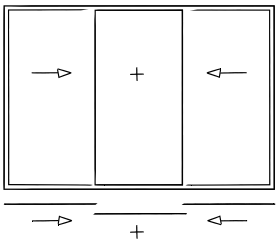
Type 2 A



Type 2 A/1



Type 2 B



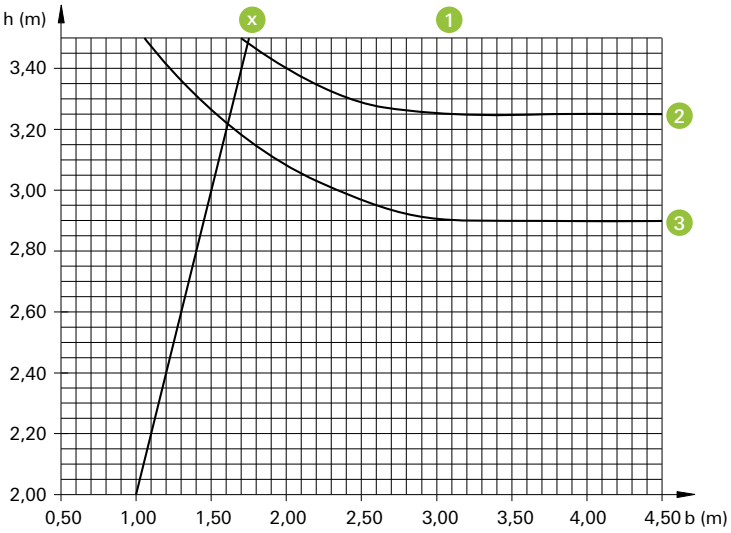
Test pressure used

1. 400 Pa
2. 800 Pa
3. 1.200 Pa
- x h/b = 2,5

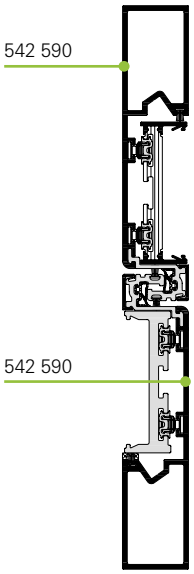
Resistance to wind load in accordance with DIN EN 12210 for the standard building area. Deflection limit L/200 or max. 15 mm in structural accordance with DIN 18008-2:2020-05. Differing deflection limits set by the insulating glass manufacturer must be observed. These statics diagrams are intended for preliminary structural calculations and profile selection only, they are not a substitute for the structural calculation. Vent sizes below the line are structurally adequat.

Diagrams for calculating the maximum vent sizes depending on the profile combination

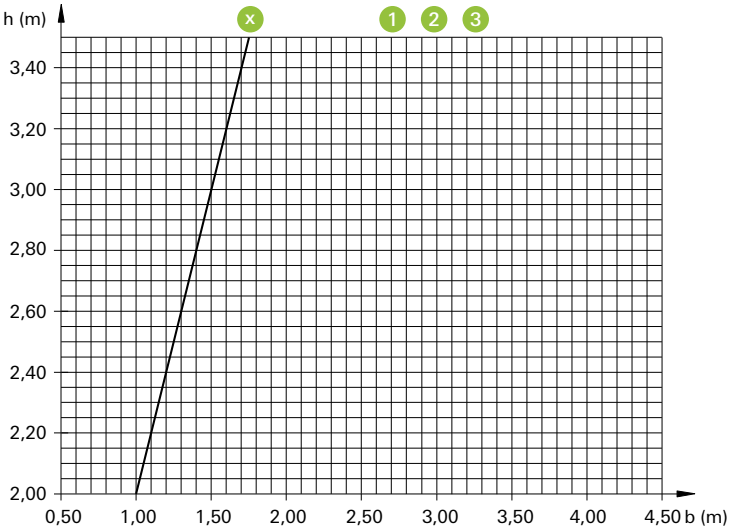
Single-track, running internally

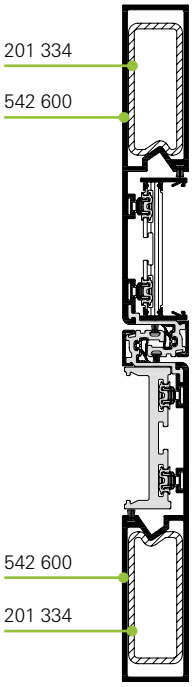


Vent profile up to 600 kg



Ix value = 326.28 cm^4

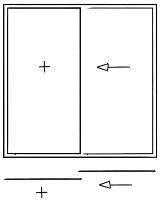


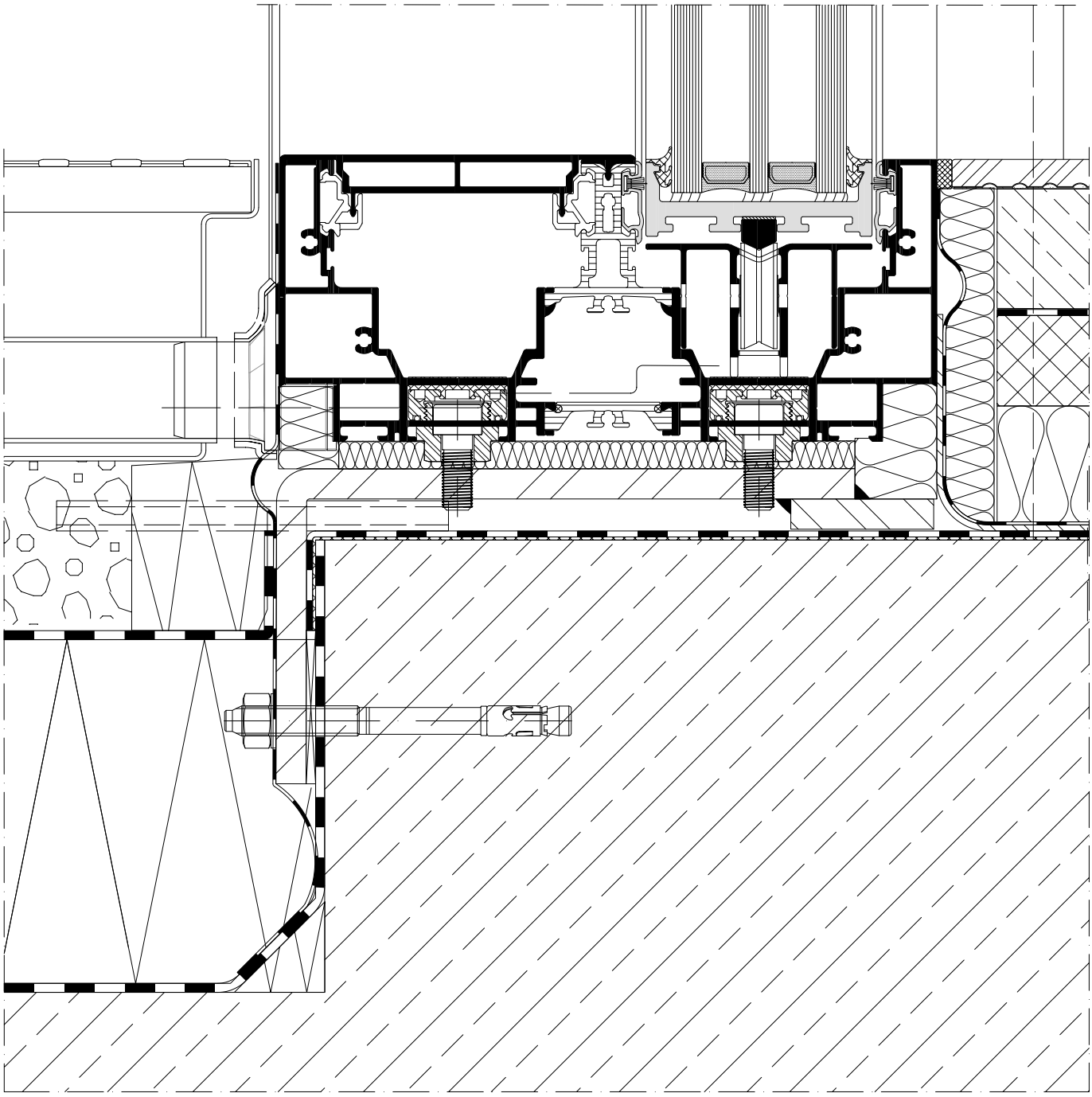


Ix value = 591.44 cm^4

Attachments to building structure

Schüco AS PD 75.HI sliding system, bottom attachment

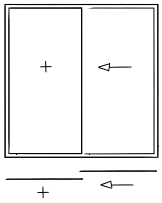


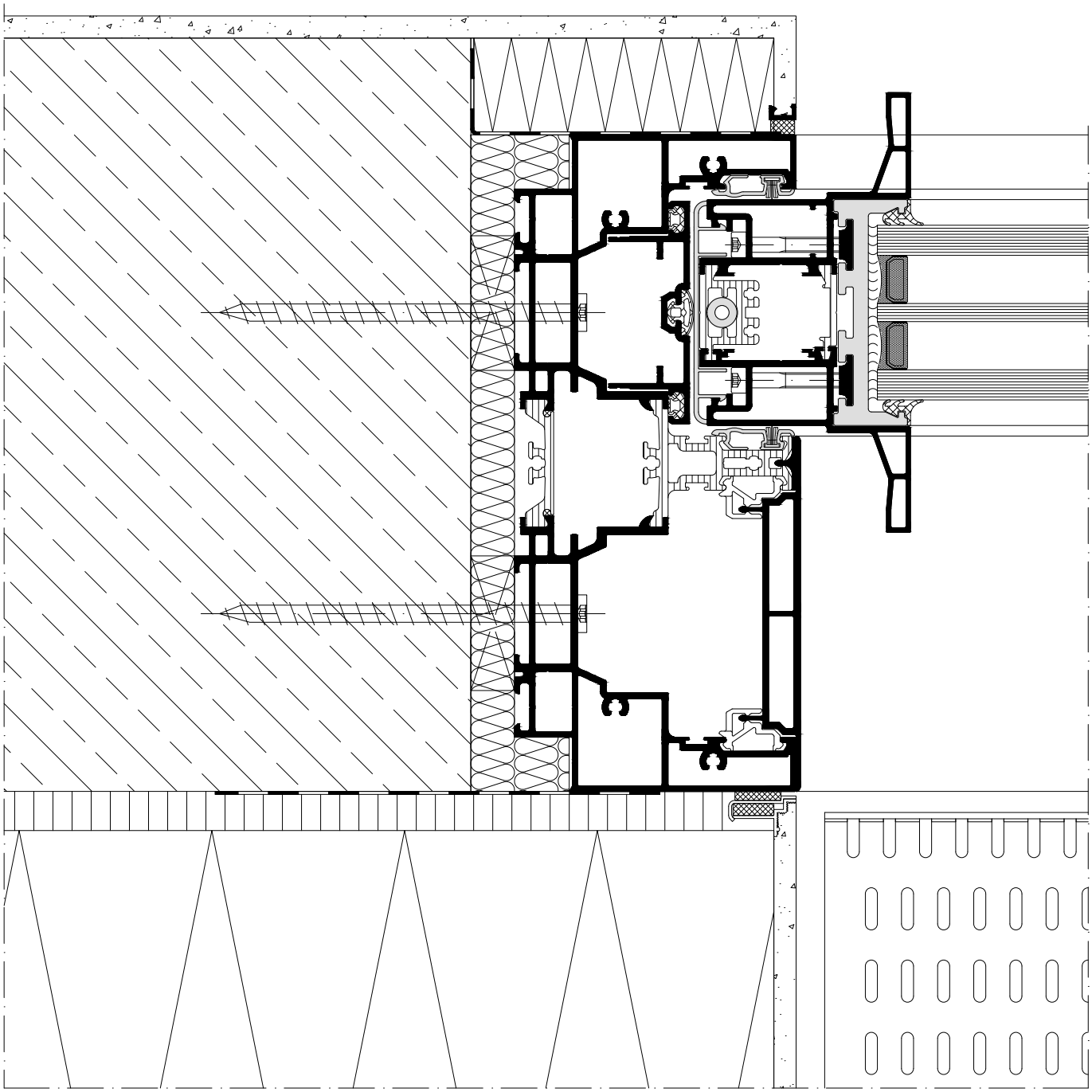


Scale 1:2

Further attachments to building structure
can be found at: dc.schueco.com/bka

Schüco AS PD 75.HI sliding system, lateral attachment

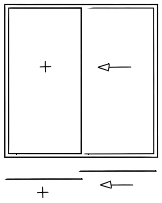


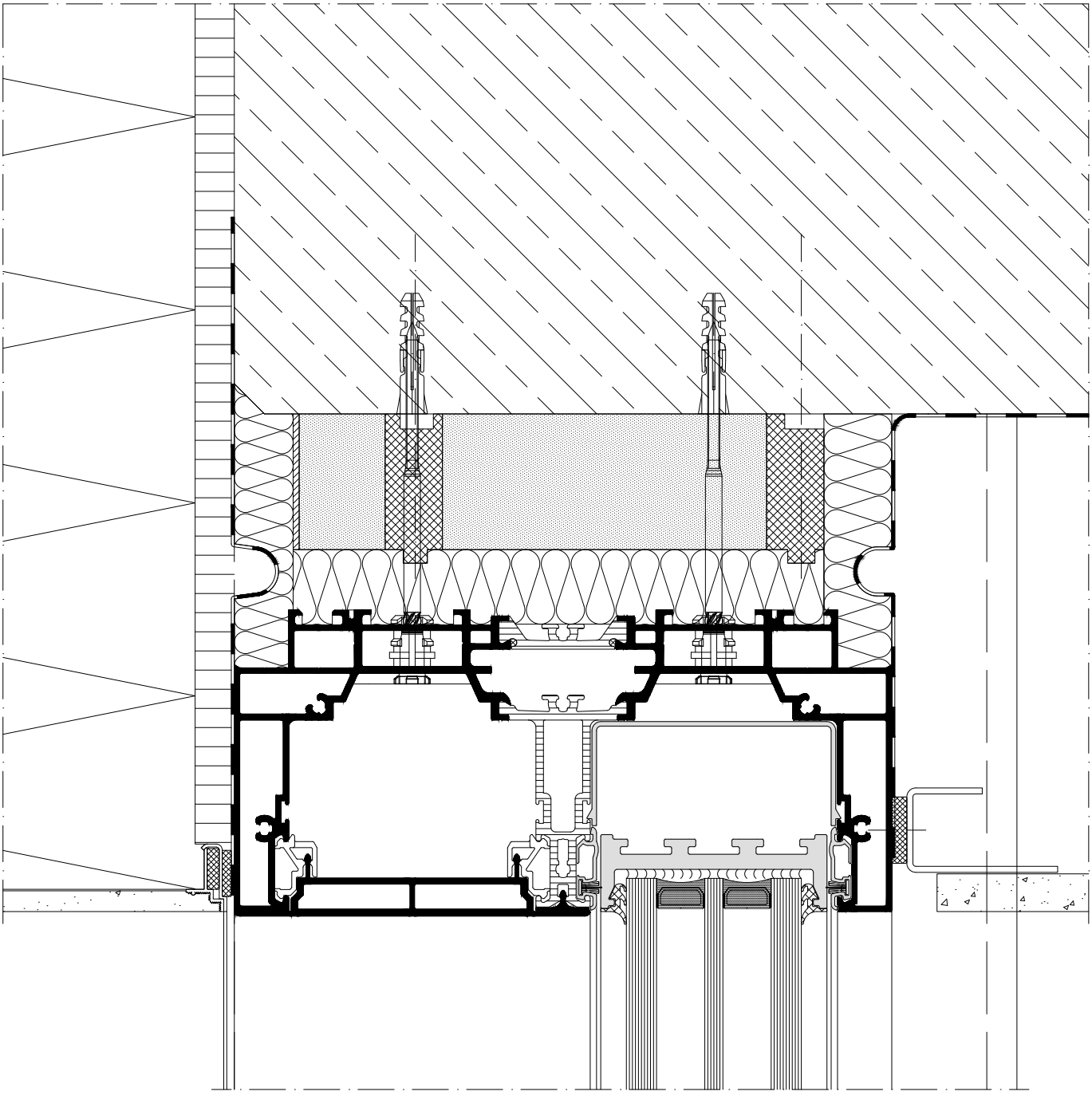


Scale 1:2

Further attachments to building structure
can be found at: dc.schueco.com/bka

Schüco AS PD 75.HI sliding system, top attachment





Scale 1:2

Further attachments to building structure
can be found at: dc.schueco.com/bka

TipTronic – Schüco AS PD 75.HI Principles of project planning

For architects, specifiers and façade consultants

This document should be completed by the relevant architect.

Specify here the participating partner who will receive this document:

☐ Site management

First name/surname: _____

Handed over by: _____ on: _____

☐ Metal fabricator

Company/contact person: _____

Handed over by: _____ on: _____

☐ Electrics planners

Company/contact person: _____

Handed over by: _____ on: _____

Requested delivery date of the Schüco AS PD 75.HI TipTronic sliding system: _____

System information

Schüco AS PD 75.HI TipTronic sliding system
The basic function is electric opening and closing of the moving vents of the unit. Depending on the unit type, up to 6 vents can be operated electrically in a sliding or lift-and-slide system. Each vent has an integrated vent control unit. In the case of a multi-vent system, the individual vents communicate via a main control unit, which is also fully integrated. This is where all of the data and commands for the unit are managed. The system can also be coupled with the Building Skin Control system.

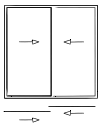
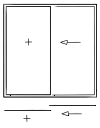
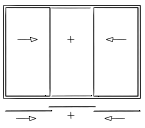
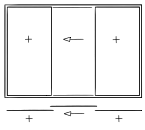
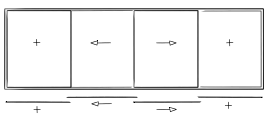
The Schüco AS PD 75.HI TipTronic sliding system has been extensively tested and meets all of the system requirements in accordance with EU guidelines.



Dimensions and ambient conditions

System type	AS PD 75.HI TipTronic
Basic depth of vent frame	75 mm
Basic depth of outer frame	218 mm
Maximum vent dimensions (WxH)	3,200 mm x 3,500 mm 3,500 mm x 3,200 mm
Minimum vent dimensions (WxH)	1,300 mm x 1,000 mm
Maximum vent weight of sliding unit	1,000 kg
Maximum vent weight of lift-and-slide unit	600 kg
Maximum glass thickness	60 mm
Relative humidity	5% to 93% only in dry rooms – non-condensing
Ambient temperature	-20°C to +50°C
Installation type	Fixed installation
Installation position	Vertical installation

Overview of possible system types*

Overview of types	☐	☐	☐
	2A	2A/1	2B.o
			
Double track	☐	☐	
	2C.i	2G/1	
			

* Other opening types and solutions available from our PreFab Paderborn. See pages 72 to 75

If the desired design differs from the types shown, add a drawing or draw the desired units including external dimensions. Deviations from the permitted conditions as per the valid order manual and fabrication manual require specialist planning and examination.

Unit drawing

Example functions when using Schüco Building Skin Control (BSC) control components

Function	Automation Manager (one Automation Manager can control up to 30 units)	KNX gateway (1 required per Automation Manager)	IP gateway (1 required per Automation Manager)
Easy opening and closing of windows via a switch without an additional function			
Closing the vents when it is raining or windy	■*		
Opening the vents for cooling overheated rooms at night	■*		
Operating the units via the Schüco app	■*		■
Full digital integration of the systems into KNX (including feedback on the vent position)	■*	■	

* A main control unit is required for these functions with all installation types.

More information can be found in the Building Skin Control planning manual.

Risk assessment

TipTronic risk analysis

The electrically operated sliding windows in the Schüco AS PD 75 TipTronic sliding system are classified as machinery within the meaning of Machinery Directive 2006/42/EC (implemented in Germany by the 9th regulation of the Product Safety Act – 9. ProdSV). In order to be able to estimate the potential danger which could arise from a power-operated door, the manufacturer is obligated to conduct an individual risk assessment dependent on the respective installation situation. Consequently, the risk assessment can always only pertain to the current planning status. Changes may necessitate the risk category being adjusted.

Use of space and user group The term user or use always refers to regular / standard users or use[1].	**Operation**	**Safety measure** To meet the requirements for protection against retracting, shearing, crushing and bumping in accordance with DIN EN 16005.
Office space, living space The regular users / visitors can assess the risks or are supervised by people that are familiar with using the system.	▪ Operation with or without latching feature with visual inspection ▪ Automatic operation (wind and rain sensor, app, central switch)	▪ AS PD 75 operating unit (Standard) (Order manual 1-5C: TipTronic fittings) ▪ When using a wall switch: resistance of 270 ohms (Order manual 1-5C: Electrical items)
Public-access areas The regular users are not familiar with using the system but can assess the risks or are supervised by people who can assess the risks (e.g. retail outlets, places of assembly, restaurants, etc.).	Operation with or without latching feature with visual inspection (deadman)*	▪ AS PD 75 operating unit (Standard) (Order manual 1-5C: TipTronic fittings) ▪ When using a wall switch: resistance of 270 ohms (Order manual 1-5C: Electrical items)
	Automatic operation (wind and rain sensor, app, central switch)	▪ Light grille over the entire closing area (Order manual 1-5C: TipTronic fittings)
Space for people in particular need of protection (e.g. nursery schools, schools, hospitals, homes for the elderly) The regular users are in need of particular protection[3], i.e. they ▪ Cannot be trained or ▪ Cannot assess the risks or ▪ Are not permanently specifically supervised by someone[2] who can assess the risks	Operation without latching feature with visual inspection (deadman)	▪ Key-operated button (authorised) (Order manual 8-1: Electrical components)
	Operation with latching feature (touch mode, automatic operation, wind and rain sensor, app, central switch, etc.)	▪ Light grille over the entire installation (Order manual 1-5C: TipTronic fittings)

Explanation of terms

[1] **Regular and standard users / use**
When making an evaluation, keep in mind that short-term changes in the number or type of users (whether in need of particular protection or not) are not decisive when considering regular and standard users. Short-term changes can include, for example, when grandchildren visit or a child's birthday.

[2] **Specific supervision**
People in need of particular protection are accompanied by a person who is trained in how the system works or can assess the risks.

[3] **People in need of particular protection**
People in need of particular protection are people with reduced physical, sensory or mental capabilities or people with a lack of experience or knowledge. This means people who cannot correctly assess what the general risks of a power-operated unit are or what effect moving the unit can have on their body or who cannot control and use their body as required (e.g. people with disabilities, older and weaker people).

Residual risk

It is practically impossible to guarantee that nothing can happen under any circumstances. Rather, the aim of planning is to keep the residual risk as low as possible. The risk analysis should therefore always be created with a view to the regular user and their regular level of knowledge.

Result of risk assessment:

☐ Resistance of 270 ohms for a wall switch – (protection against retracting, shearing, crushing and bumping)

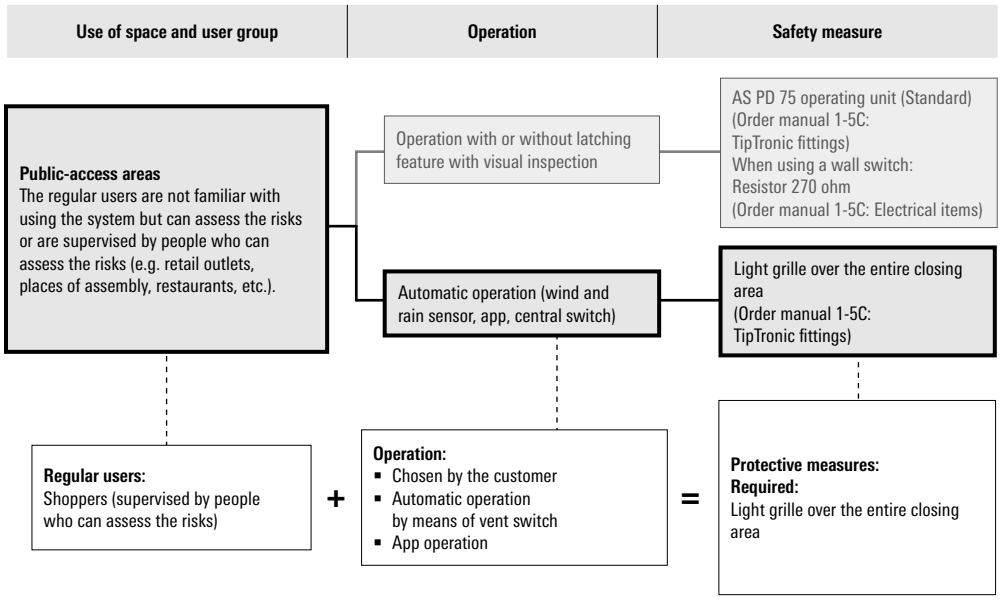
☐ Key-operated switch (authorised) – (protection against retracting, shearing, crushing and bumping)

☐ Light grille over the entire closing area – (stops the vent when accessing the closing area)

☐ Light grille over the entire installation – (stops the vent when accessing the installation)

Place, date _____ Signature _____

Use example 1: Public-access space such as a retail outlet



Result of risk assessment:

☐ Resistance of 270 ohms for a wall switch – (protection against retracting, shearing, crushing and bumping)

☐ Key-operated switch (authorised) – (protection against retracting, shearing, crushing and bumping)

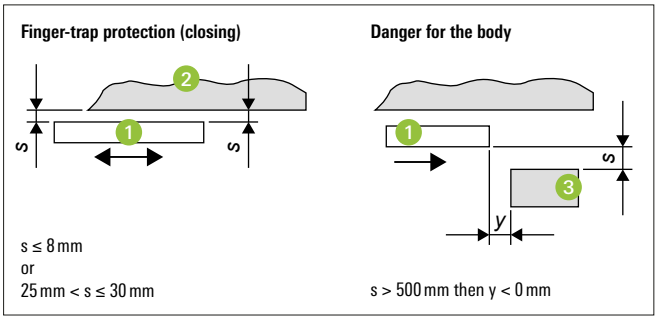
☒ Light grille over the entire closing – (stops the vent when accessing the closing area)

☐ Light grille over the entire installation – (stops the vent when accessing the installation)

Place, date _____ Signature _____

Analysis of the planned installation position

The system is tested and safe in accordance with the machinery directive, but cannot make safe any obstructions outside of the system in the standard design. This point must be considered in planning and can be influenced by the design of the building etc. in most building projects. As early as the planning stage, checks must be made of whether outside supports/mullions or other obstructions restrict the installation or function of the system or pose a danger. Such a restriction or risk arises, for example, if the gaps/distances shown below cannot be maintained; the system must then be safeguarded with additional safety features (such as safety sensors at the danger points).



Are additional protective measures required? ☐ Yes ☐ No

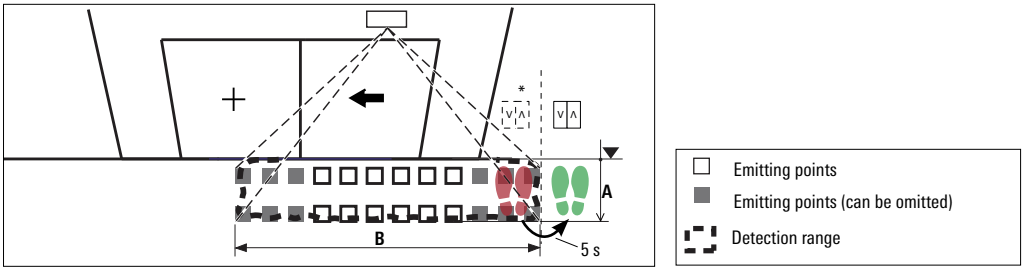
If yes, please specify: ☐ Operating unit without latching feature (deadman)
☐ Safety sensors

Place, date

Signature

Use of safety sensors

When using safety sensors in conjunction with sun shading in external areas, the use of curtains inside or similar combinations can result in functions being impaired. This requires a high degree of care when planning where the safety sensors are positioned. The following diagram shows an example of the detection range of an infrared sensor.



* If a wall switch is operated within the detection range of the sensor, the detection range must be exited within 5 seconds so that the vent moves. If this cannot be guaranteed (e.g. in the case of wheelchair users), the wall operating switch must be positioned outside the detection range.

Detection range using example of sensor 263 551

Installation height	2.00	2.20	2.50	2.70	3.00	3.50
A	0.59	0.65	0.74	0.80	0.89	1.03
B	2.41	2.78	3.00	3.24	3.60	4.21

Surface finish

☐ Anodised

☐ Powder coating

☐ Exact colour description/colour code _____

Burglar resistance

Desired level of security for the vent locking

☐ Locking with RC 2 certification*

☐ Locking with RC 3 certification**

* RC 2 certification depends on the design (see test certificate)
** RC 3 certification only available for installation type 2A/1.i – Performance

Desired additional monitoring modules (provided by the customer):

☐ Position monitoring (bus-based position indication, e.g. displaying the opening width on an external panel)

☐ Monitoring of closing (e.g. magnetic switch for alarm system)

Accessories

Desired accessories and additional connections for

☐ Uninterruptible power supply (to be determined on site)

☐ Other _____

Sun shading (flyscreen upon request)

- The Schüco Integralmaster as internal sun shading can be coupled to the Schüco AS PD 75.HI TipTronic sliding system.
- Moreover, commercially available flyscreen systems that are tailored to the building project can be coupled with the Schüco AS PD 75.HI TipTronic sliding system on site.
- Furthermore, coupling is possible with further accessory systems that are tailored to the building project.

Note:

- Further information about flyscreens for AS PD sliding systems can be found in fabrication manual 1-5, section E

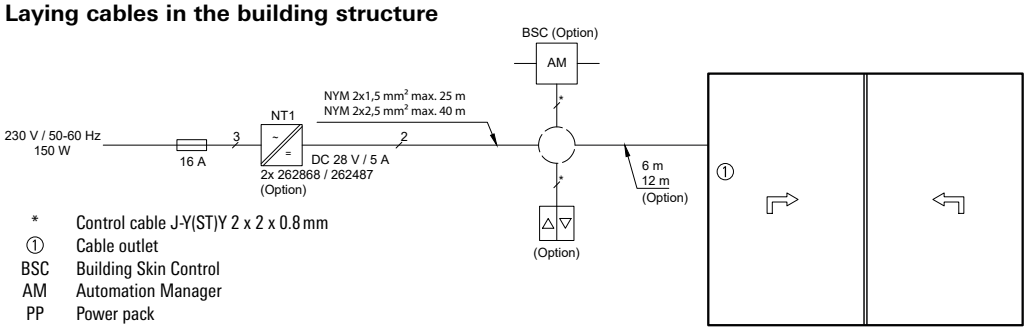
and

- Schüco Docu Center (http://docucenter.schueco.com)

Electrical installation

Note:
An electrical engineer or electrician must connect up the systems and its components. This is the only way to ensure damage is avoided during the installation and commissioning of the system.

Laying cables in the building structure



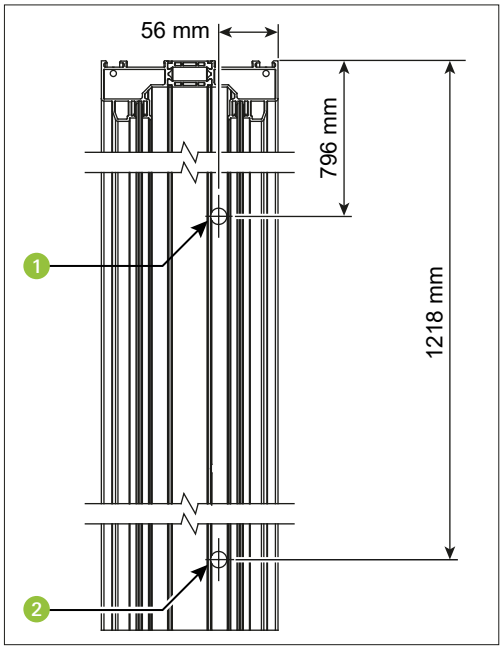
* Control cable J-Y(ST)Y 2 x 2 x 0.8 mm
① Cable outlet
BSC Building Skin Control
AM Automation Manager
PP Power pack

The exact cable outlet ① is defined in the detailed planning.
When using safety sensors, consideration must be given to the cables to be laid in the building structure

Conduits

☐ Conduits are already included in plans for the building structure
☐ Conduits must be installed by the electrician

Holes for connecting cables



No	Hole, ø 13 mm
1	Standard hole
2	Additional hole if a second power pack is used

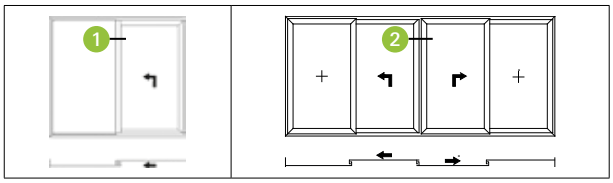
Installations in the building structure

Planning of installations
The attachment to building structure, drainage, foil layer etc. are planned on a project-specific basis by the architect or specifier and must be agreed with site management. For information and examples, visit the Architects' Library at: www.schueco.com/web2/de/architekten/produkte

The substructure is planned by the
☐ Architect/developer
☐ Metal fabricator (on site)

The substructure should always be designed by the metal fabricator carrying out the work. The unit must be installed absolutely straight and aligned at an angle.
- Any settling of the building structure cannot be absorbed by the system
- Measures to guarantee structural integrity must be taken by a structural engineer

Outer frame installation



Expansion of the outer frame must be taken into account for the fixing of the outer frame to the building structure. The outer frame is installed fully concealed, which means that the outer frame is embedded into the building structure on all four sides. If this is not the case, then the outer frame must be strengthened in the centre (section detail 1 and/or section detail 2).

Options for fixing to the building structure:
☐ Yes
☐ No – extensive detailed planning required

Note:
- Depending on the dimensions of the units or glass panes (up to 1,000 kg per vent) in the building project, a crane or glass crane (Glasboy) may be required.
- Depending on the total height of the units, a flat-bed truck or corresponding means of transport may be required.

Sensors
- For the use of safety sensors, recesses/ducts/electrical sockets must be taken into account in the ceiling design (filigree ceilings).
- To ensure secure operation, the information in the installation and operating instructions for the sensors must be followed during the preliminary planning stage.
- For extensive information on installation and positioning, see drawing K1027339.

Support and additional information

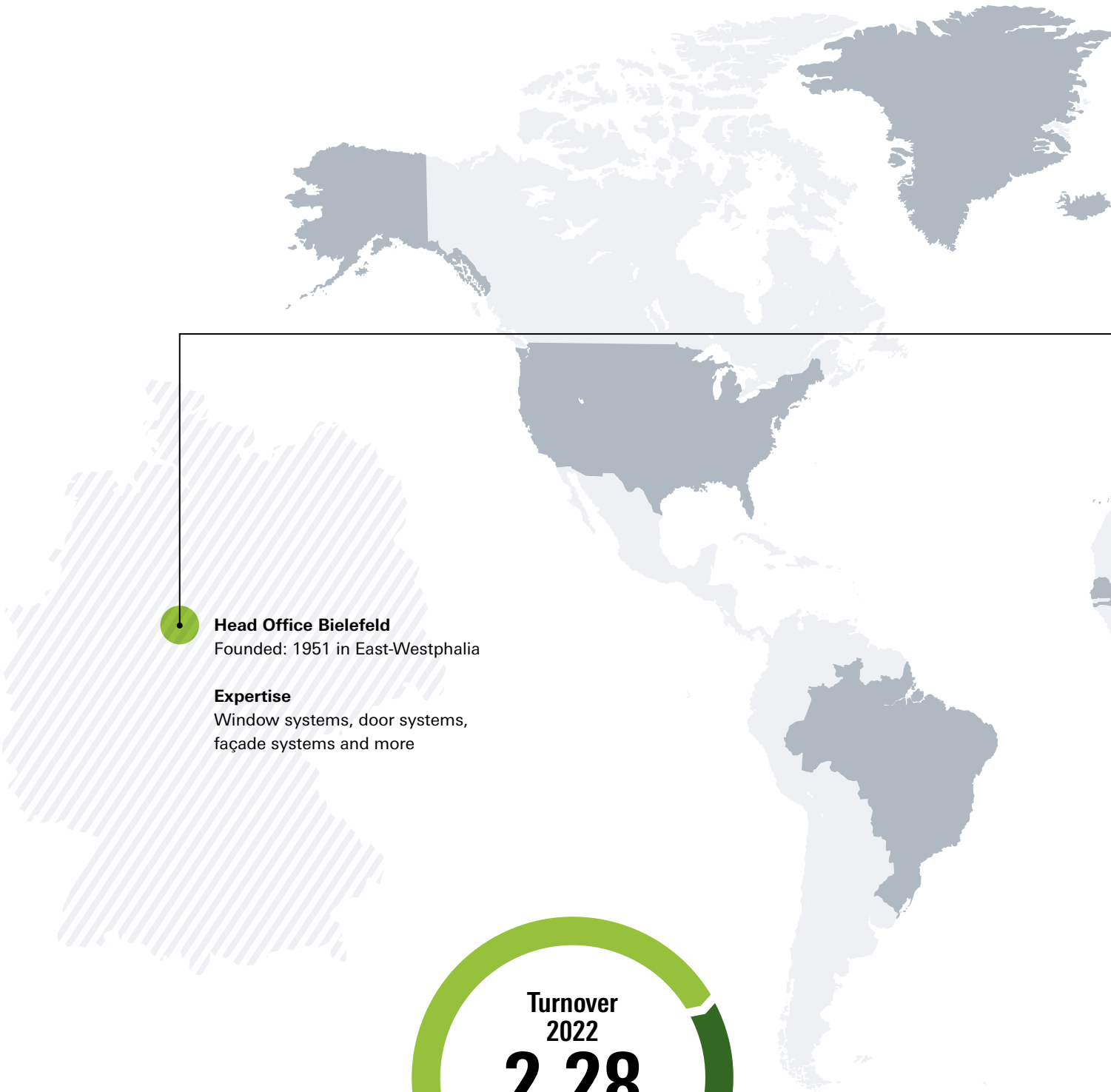
Help with preliminary planning of building structures
The complete Schüco CAD library is available for you to download from Schüco Metal architect services:
www.schueco.com/web2/de/architekten/mein_arbeitsplatz/technische_dokumentation

Support
Please contact your respective Metal Customer Service team.

Alternatively, contact Schüco headquarters for support:
Smart Building Support
E-mail: support_automation@schueco.com
Tel.: +49 521 783-665

General information:
Details of commissioning, cable planning and sensors can be found in the commissioning instructions. Comprehensive information available in Schüco Docu Center.
https://docucenter.schueco.com

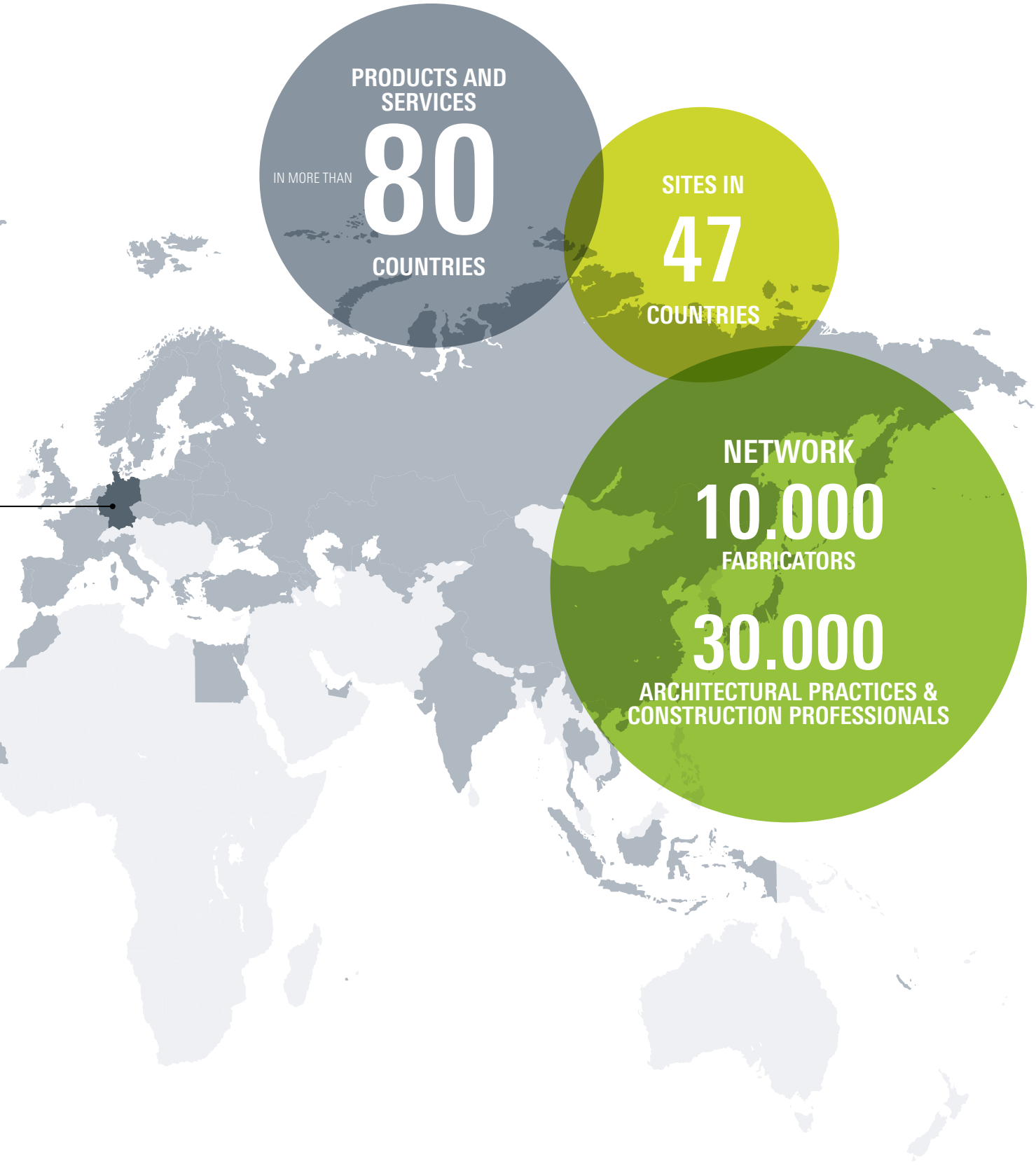
The Company



Head Office Bielefeld
Founded: 1951 in East-Westphalia

Expertise
Window systems, door systems, façade systems and more

Turnover 2022
2,28
Billion EUR



Employees worldwide

ca. 6.750

Germany ca. 4.100

International ca. 2.650

Sustainable from the outset

We develop recyclable solutions that minimise energy consumption and systematically conserve resources.

Construction means thinking years ahead. After all, the buildings which we design today determine how people in the following decades will live and work. To live up to this responsibility, we develop products that are entirely sustainable and have lasting value.

We are answering the question of what the future of construction will look like with our approach to 360° sustainability, which takes into account the entire life cycle of a building, from construction to use and eventually to demolition. Accordingly, our products are not just manufactured in a way which conserves resources, but they also help day-by-day to save energy and thus sustainably reduce the electricity and heating requirements of buildings. When they have finished being used, the high-grade recyclable materials are fed back into the material cycle, without a loss in quality.



360° sustainability also means that we advise our partners on how to plan and implement construction projects sustainably from the outset. The result is energy-efficient living and working spaces that promote health, as well as buildings which are profitable in the long term and therefore ready for the future.

As a trendsetter, we are seizing the opportunity to help actively shape the building sector's transformation into an environmentally friendly and socially responsible industry. Climate protection is an issue that has been especially close to our heart for years. We are a founding member of Foundation 2° and work across industries to drive innovative approaches to low-carbon economies.

TURNING OLD INTO NEW. AND INTO NEW AGAIN.
Schüco is meeting the standards of tomorrow today, by developing products according to the Cradle to Cradle principle. This means that after they have been used our window and façade units are fed back into the industrial cycle as recycled material, again and again, which means our buildings are a stock of raw materials for the future. With more than 40 systems certified with silver status, we are by far the leading force of the C2C concept in the construction industry.



Alliander headquarters, Duiven, Netherlands; Schüco façade systems; building certification by BREEAM: Outstanding

Schüco Showrooms

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www.schueco.com/showrooms

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Selected Services

Schüco works closely with everyone involved in the building process and offers individual support during all stages of the project, including specification texts and construction data, software and machinery as well as marketing services.



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www.schueco-profile.com



Schüco International KG
www.schueco.com

Schüco – System solutions for windows, doors and façades

Based in Bielefeld, the Schüco Group develops and sells system solutions made of aluminium, steel and PVC-U for the building envelope. The product portfolio includes window, door, façade, ventilation, security and sun shading systems, as well as intelligent networked solutions for residential and commercial projects. Schüco also provides consultancy and digital solutions for all phases of a building project – from the initial idea through to design, fabrication and installation, as well as after sales with maintenance and servicing. Fabrication machinery and customer-oriented service complement the product portfolio. As one of the leading companies in the construction industry, Schüco is committed through its products and services to being a pioneer for comprehensive sustainability and actively contributing to climate neutrality and the circular economy within the construction sector. Founded in 1951, Schüco is now active in more than 80 countries and achieved a turnover of 2.28 billion euros in 2022 with 6750 employees.

The "Schüco" and other signs are protected in Germany and various international markets. We will provide detailed information upon request.

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