

SLEEK

Slim Sliding Door
System

SLEEK

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System

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01 Mordenism Architecture

Since the Industrial Revolution, the field of architecture has undergone tremendous transformations. The emergence of innovative materials such as steel, glass, and concrete has broken the limitations of traditional building materials, laying a solid foundation for the development of modern architectural styles. Today, with the advancement of artificial intelligence technology and breakthroughs in materials science. Our lifestyles, aesthetic orientations, and values are undergoing substantial changes. These changes have sparked profound reflections on the essence of architecture, and the question of "what architecture truly is" continues to trouble architects. Over time, different perspectives and arguments have provided varied interpretations of architecture’ s definition. Modernist architecture advocates functionalism, pursuing a simple architectural form, and believes that form should follow function. In contrast, international style emphasizes the universality and standardization of architecture, advocating for a separation from the environment.

Postmodernist architecture criticizes the singularity of modernism, advocating for diversity and historical references in architectural design. In contrast, deconstructivist architecture employs non- traditional methods, incorporating the philosophy of deconstruction to create fragmented, irregular architectural forms. In modern architecture, these elements are becoming increasingly important with advancements in technology and innovations in materials.However, windows and doors serve as the "eyes" of a building, reflecting humanity's connection to nature and introspective concerns. As detailed elements and local structures of architecture, window design is often an indispensable part of any architectural project. With the development trends in modern architecture, various elements, diverse approaches, and tactile qualities in window design bring unique aesthetics and resonance to both people and the urban landscape. SLEEK represents only one of these possibilities. We aim to contribute our own "personality" to establish a potential style of door and window combinations within architectural design.



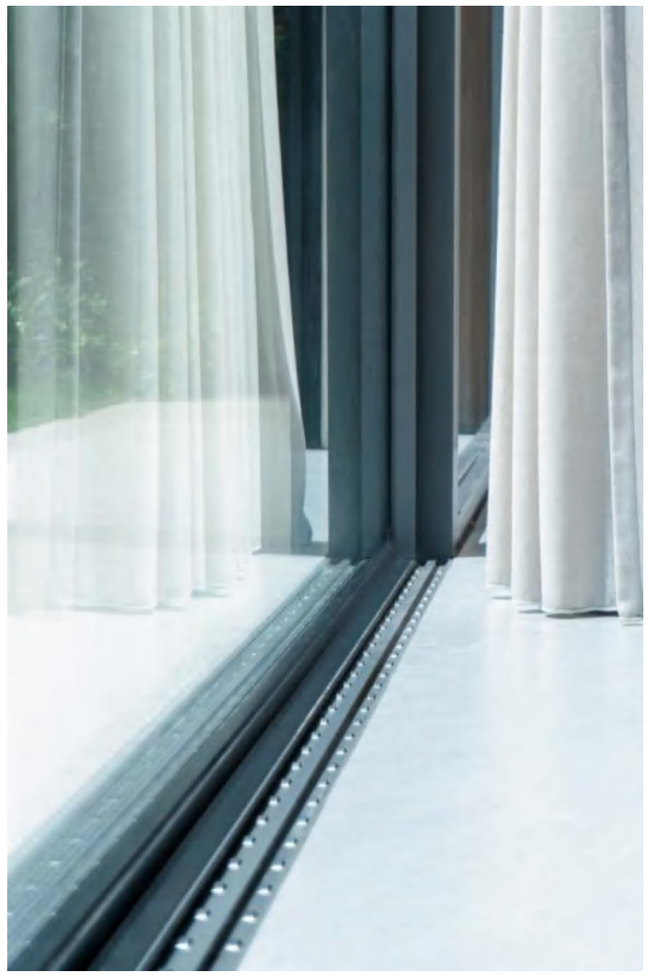
Shanghai Residence







Shanghai Residence



Shanghai Residence





Shanghai Residence

02 About SLEEK

SLEEK has always been dedicated to the research and production of minimalist doors and windows .While ensuring the structural safety and functionality of the door and window systems, we strive to use simple and slim lines to showcase the visual appeal of doors and windows and their artistic expression in harmony with architecture. SLEEK follows the architectural design philosophy of"Less is More" proposed by the modernist master Mies van der Rohe, "less is more" is not just a trend, but a core concept. SLEEK advocates for simplicity, and we use technological methods to simplify the complexity of doors and windows, refining each design element to a more streamlined and pure expression.

SLEEK's minimalist sliding doors can bring more light into the interior of a building, creating transparent spaces, thereby better expressing the connection between indoors and outdoors. SLEEK's large areas of transparent glass and minimalist structural systems allow the interior living spaces and outdoor landscapes to blend into one from the inside, and from the outside, they can also make the outdoor landscapes and interior living spaces blend into one, or use design to make them flow into each other, becoming a single space.





Chongqing Penthouse



Jinhua Residence



Ningbo Penthouse



Wenzhou Residence

Shanghai Penthouse

SLEEK

03 Functionality

SLEEK's minimalist sliding doors are elegant, durable, and easy to use and maintain. The sliding door system utilizes a modular design concept, with replaceable tracks that offer single, double, multi-track, concealed, spring-loaded, side-return, and motorized retractable track configurations. There are single-pane glass options for tropical climates as well as high-insulation series designed for extremely cold regions. Available in both traditional manual and smart, automated opening systems, SLEEK provides versatility in operation.

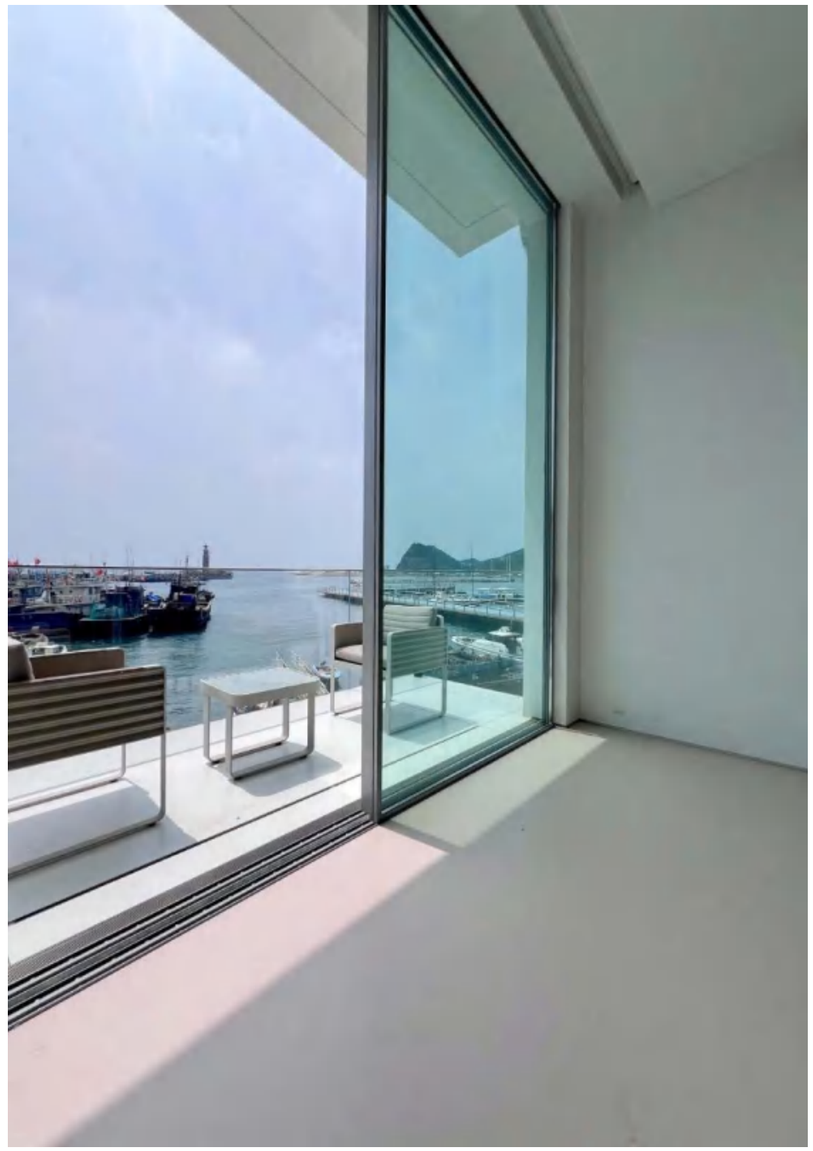
In terms of appearance, aluminum profiles are available with various surface treatments, including anodizing, electrostatic powder coating, FDV, and wood-grain Laminate. For innovative styling, aluminum profiles can be externally clad in stainless steel, copper, or other metals. The options also include cavity sliding doors and openable, pillarless corner configurations. Drainage options cover both traditional direct drainage methods and concealed linear drainage solutions.

Modular design allows for adjustments based on each project's specific requirements, meeting diverse functional needs and aesthetic standards. This approach not only offers solutions to creative design ideas but also makes production, manufacturing, and installation more efficient.









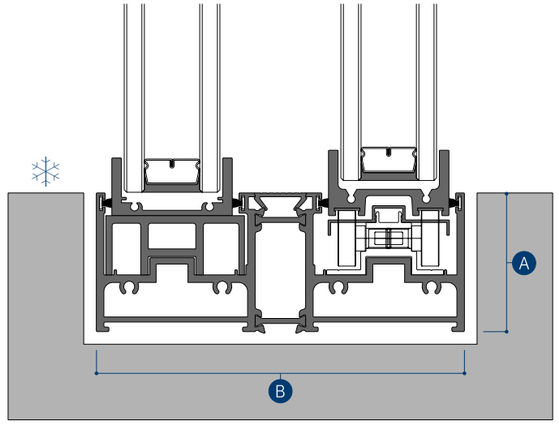
* Wheels On Track Sliding System

SLEEK

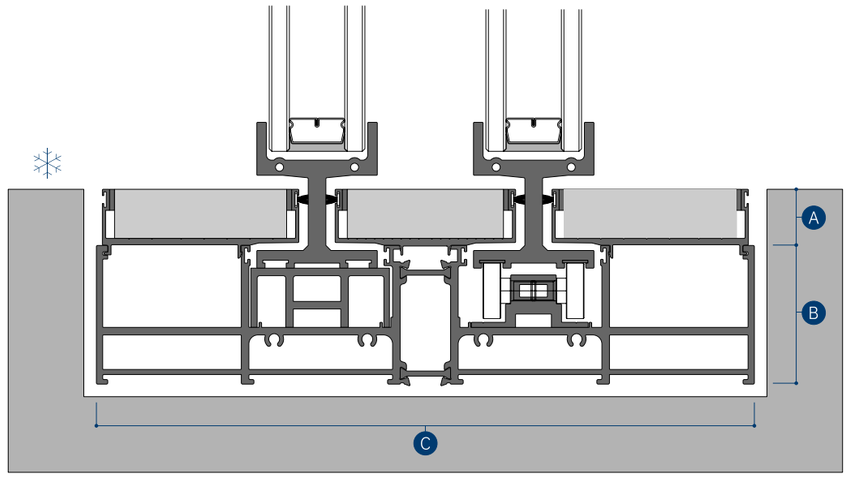
SLEEK
146 Series

Track 1 size		Track 2 size	
A	Lower track: 55mm	A	Cover plate: 22.3mm
B	Frame width: 146.1mm	B	Lower track: 55mm
		C	Lower Frame width: 261.1mm

Track 1



Track 2

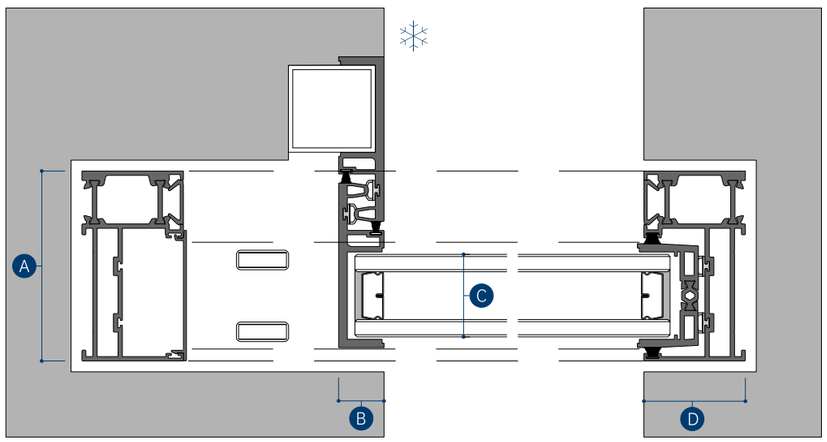


SLEEK
146 Series
Single Track

Single Track-section dimensions

- A Frame width: 87.4mm
- B Glass: 38mm
- C Center mullion width: 20.9mm
- D Frame: 46.7mm

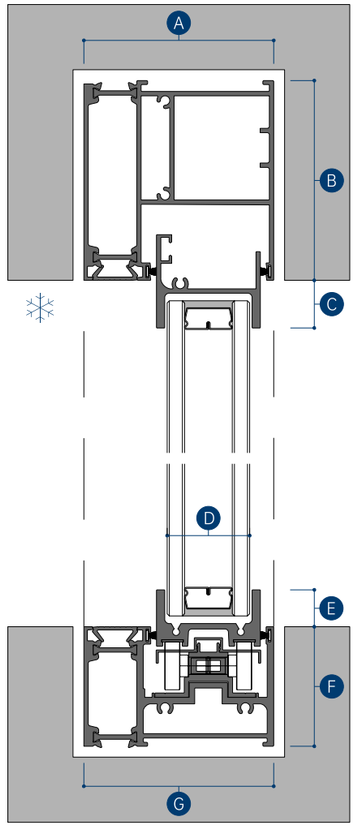
Cross-section



Vertical cross-section dimensions

- A Frame width: 87.4mm
- B Upper track: 91.9mm
- C Sash: 21.9mm
- D Glass: 38mm
- E Sash: 17mm
- F Lower track: 55mm
- G Frame width: 87.4mm

Vertical cross-section

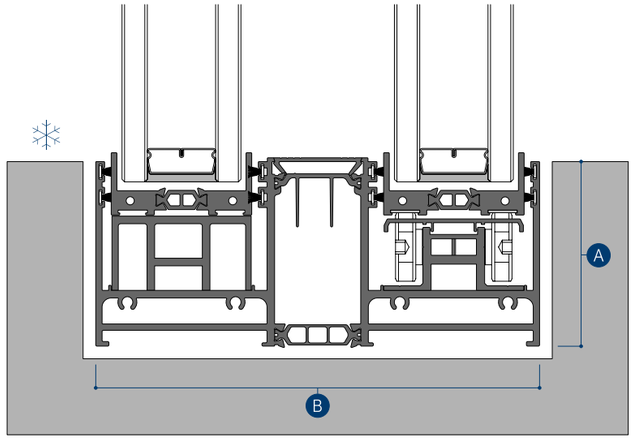


SLEEK
175 Series

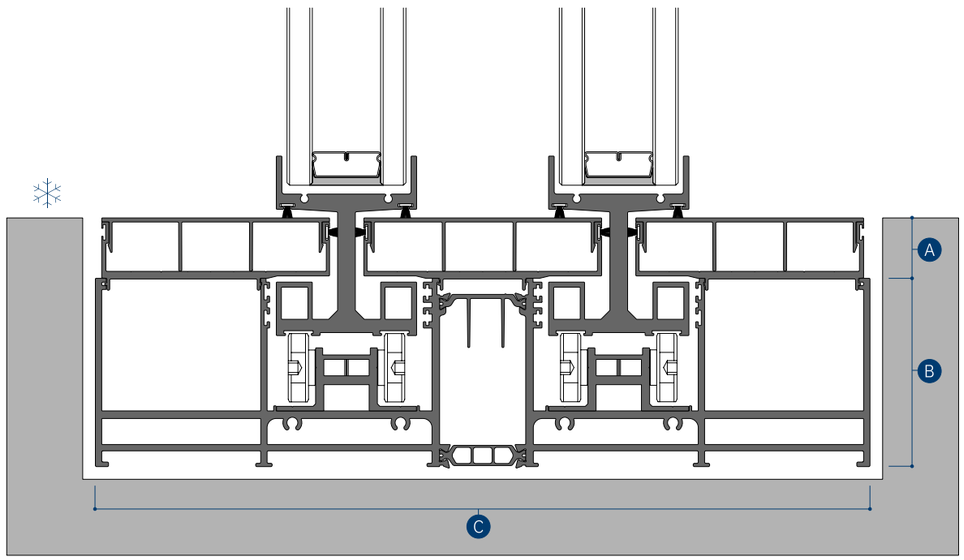
Standard track / concealed track

Standard track		Concealed track	
A	Lower track: 72.8mm	A	Cover plate: 23.8mm
B	Frame width: 175.3mm	B	Lower track: 74.3mm
		C	Frame width: 305.9mm

Standard track



Concealed track

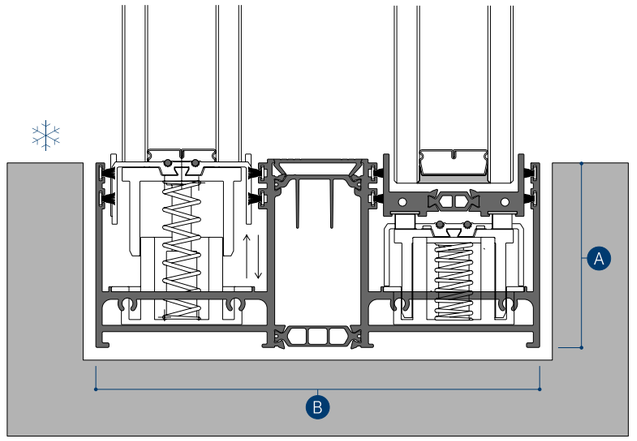


SLEEK
175 Series

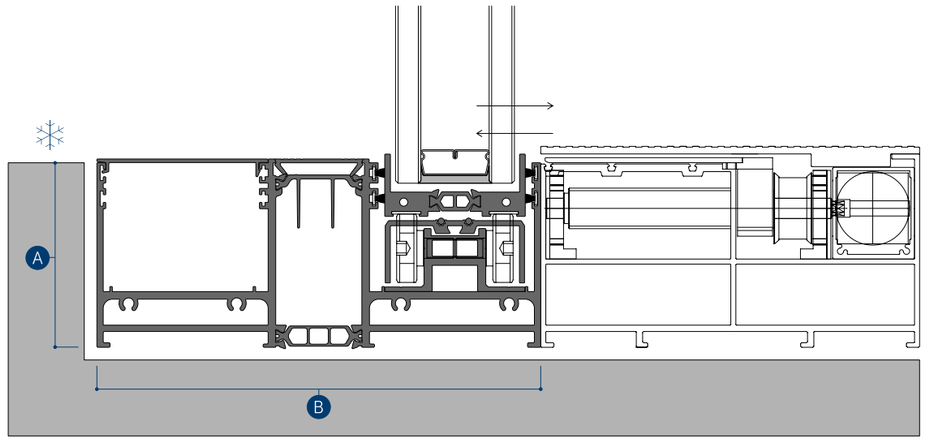
Elastic track / Electric telescopic track

Elastic track		Electric telescopic track	
A	Lower track: 72.8mm	A	Lower track: 72.8mm
B	Frame width: 175.3mm	B	Frame width: 175.3mm

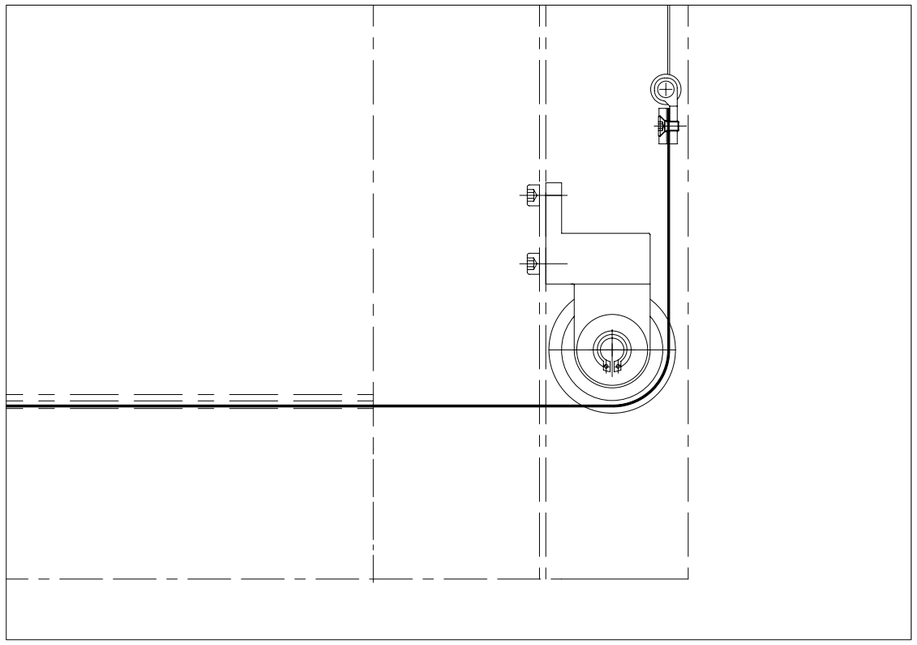
Elastic track



Electric telescopic track



SLEEK
175 Series
Sliding panel track



04 Robust Performance

With the use of stainless steel, carbon steel, and structural copper, SLEEK’ s minimalist sliding doors have reached an unprecedented technical level. With identical geometric shapes , the reinforcement provided by stainless steel and carbon steel enhances the mechanical strength of high-performance slim profiles. Compared to traditional sliding door structures, SLEEK’ s sliding door frames are designed solely for door panel movement and ensuring water and air tightness, while structural support relies on the inherent strength of the glass itself. The use of extra-thick glass and SGP glass laminate technology, along with special profile and glass bonding methods, further enhances the structural strength of these minimaliststsliding doors. The frame’ s roller bearings distribute load across multiple points, allowing support for oversized glass panels up to 3x6 meters and weighing up to a ton. Representing a milestone in door and window technology, SLEEK not only captures the beauty of architectural lightness and transparency but also sets a new benchmark for the integration of strength and aesthetics in modern architecture through its rigorous design and manufacturing standards.



Chongqing Residence



Chongqing Residence



Chongqing Residence



Hangzhou Residence >







05 Energy Efficiency

The SLEEK slim-frame sliding door system features a minimal aluminum structure with an exceptionally high proportion of glass surface area .By selecting energy-efficient glass with superior specifications, the K-value can be controlled to stay below 1.2 W/(m2•K). The SLEEK minimalist sliding door can accommodate glass thicknesses of up to 50 mm, with the option to use multi-chamber energy-saving glass.





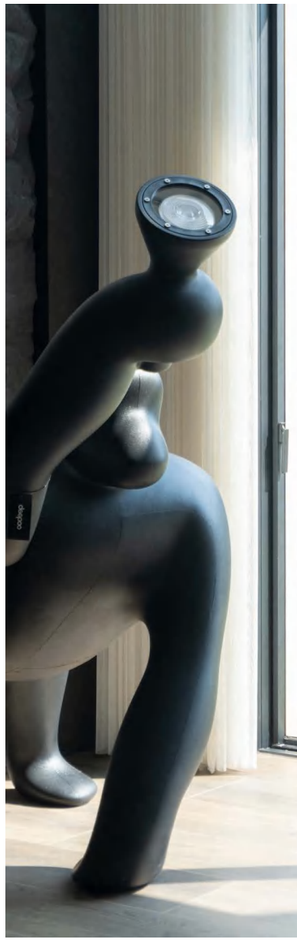
Changde Residence





Changde Residence







Changde Residence

06 Products



SLEEK120 Minimalist Sliding Door Series

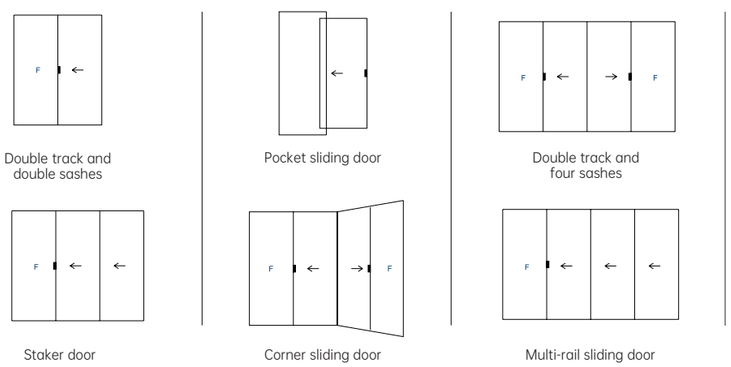
The SLEEK120 minimalist sliding door is specially designed for warm climates and is also suitable for indoor areas where performance is required. The SLEEK120 offers a variety of glass options, including single-pane tempered glass up to 12mm thick, laminated glass (6mm + 0.76 PVB + 6mm), and insulated glass (6mm + 10A+ 6mm).

The sliding door panels support a maximum height of 3.5 meters per panel and a surface area up to 4.5 m^2, while the fixed panels can be up to 8 m^2. The four-sided frame can be concealed, with a visible Mullion width of only 19 .8mm.For high-wind areas, the internal groove of the overlap edge can be reinforced with stainless steel.



120 Double Glazed

Sliding Door System Standard Specifications



Maximum size: open sash 4m²
fixed panel 6m²

120 Double Glass Series V.S Dimensions

A	Frame width:	120mm
B	Upper track:	65mm
C	Glass:	21mm
D	Lower track:	46mm
E	Frame width:	120mm

120 Double Glass Series C.S Dimensions

A	Frame width:	120mm
B	Glass:	21mm
C	C. mullion Width:	21.6mm
D	Frame:	47mm

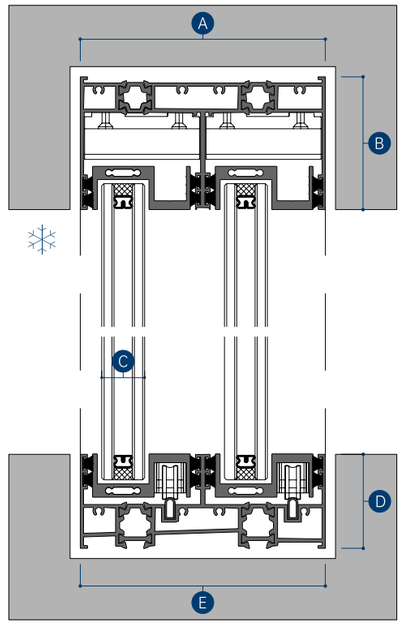
Product performance

Thermal insulation	2.4
Water tightness	7A
Air tightness	CLASS 3
Wind resistance	CLASS B3
Sound insulation	37dB

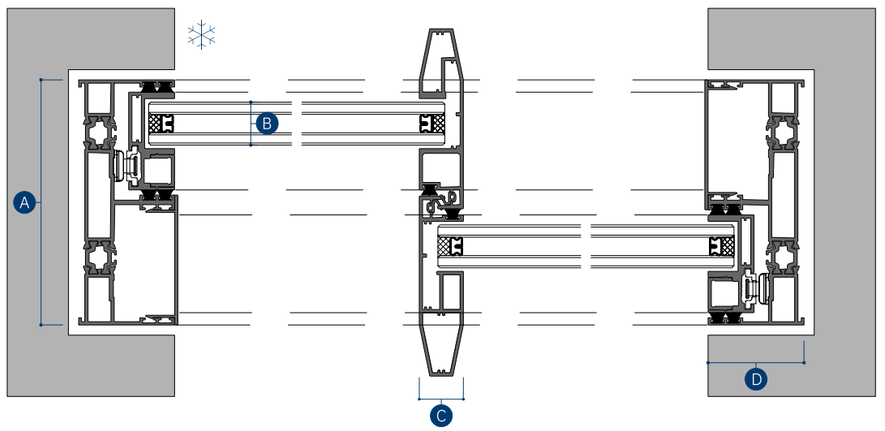
*Data references EU EN14351-1: 2006+A2: 2016

V.S=Vartical Section
C.S=Cross Section
C.=Center

120 Double Glass Series Vertical Section 1: 3



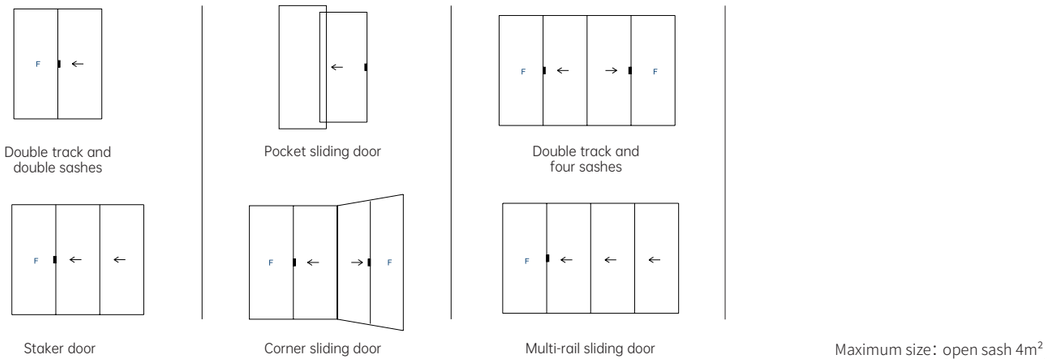
120 Double Glass Series Cross-section 1: 3





120 Single Glazed

Sliding Door System Standard Specifications



Maximum size: open sash 4m²
fixed panel 6m²

120 Single Glass Series V.S Dimensions

A	Frame width:	120mm
B	Upper track:	65mm
C	Glass:	11.1mm
D	Lower track:	46mm
E	Frame width:	120mm

120 Single Glass Series C.S Dimensions

A	Frame width:	120mm
B	Glass:	11.1mm
C	C. mullion Width:	19.8mm
D	Frame:	47mm

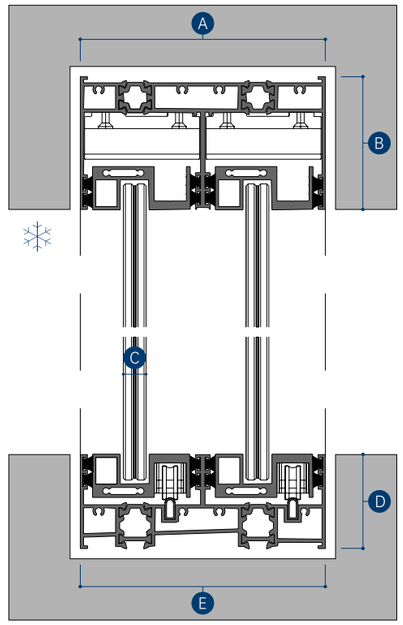
Product performance

Thermal insulation	2.2
Water tightness	7A
Air tightness	CLASS 3
Wind resistance	CLASS B3
Sound insulation	37dB

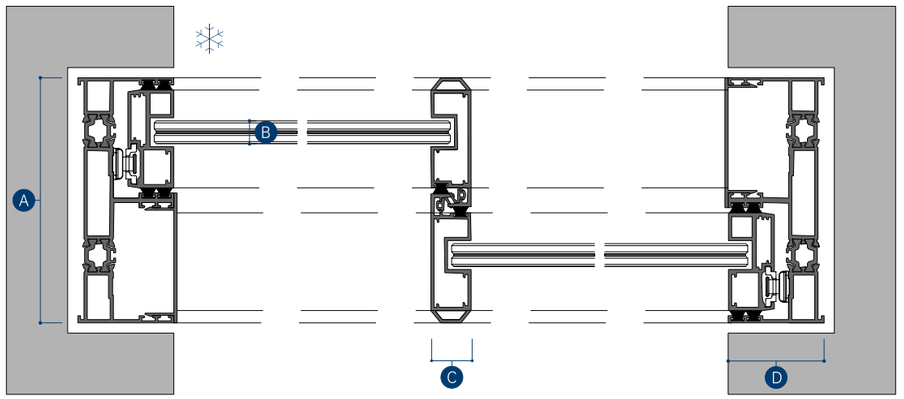
*Data references EU EN14351-1: 2006+A2: 2016

V.S=Vartical Section
C.S=Cross Section
C.=Center

120 Single Glass Series Vertical Section 1: 3



120 Single Glass Series Cross-section 1: 3





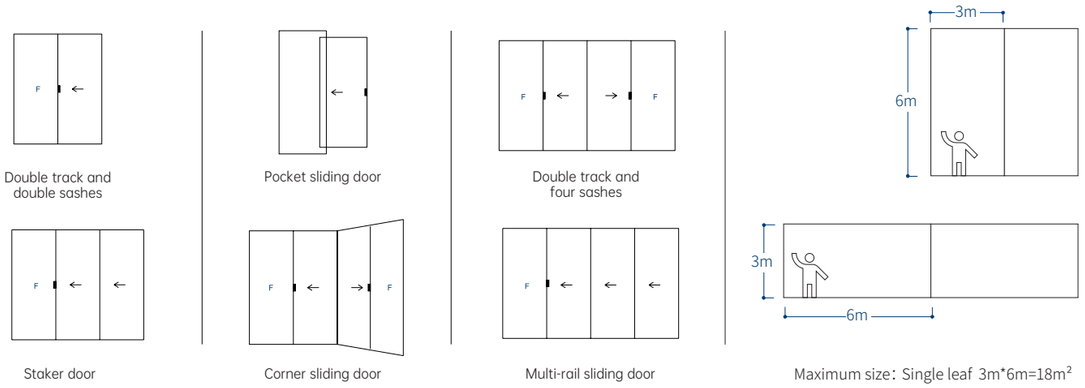
SLEEK146 Minimalist Sliding Door Series

SLEEK146 is one of the signature products of SLEEK and has a large number of cases all over the world.
The SLEEK 146 series is available in more than two hundred profiles for different applications.
The SLEEK 146 series has more than two hundred profiles for different applications and solves mostof the architectural sliding door solutions.
Sliding doors with a 39m m glazing opening can be fitted with Double Glazing. multi- layer glass.Track options are available as Standard or concealed tracks.Two track options are available, with electric opening as an option.
Roller Bearing Pulley Design
The design of the roller bearing pulleys allows for sliding sash with a maximum weight of one tonne for a single sash of 3m x 6m (any width and height). For sliding panel weighing up to one ton in a single 3m x 6m (any width and height), a technical warranty is provided.Fully concealable frame.20.9 mm center Mullions. In areas with strong winds or in the case of super-high panels, the inner groove of the mullion can be reinforced with a stainless steel.



146 Manual Version

Sliding Door System Standard Specifications



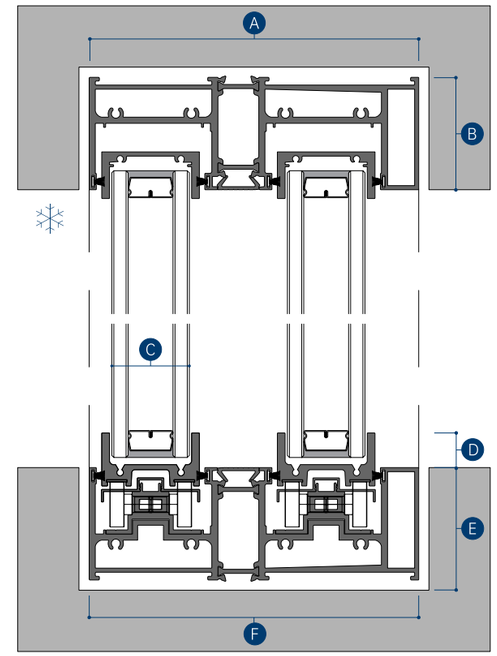
146 Manual Series V.S Dimensions

A	Frame width:	161.3mm
B	Upper track:	55mm
C	Glass:	38mm
D	Sash:	17mm
E	Lower track:	55mm
F	Frame width:	161.3mm

146 Manual Series C.S Dimensions

A	Frame width:	161.3mm
B	Sash:	21.5mm
C	Glass:	38mm
D	C. mullion Width:	20.9mm
E	Frame:	46.7mm

146 Manual Series Vertical Section 1: 3



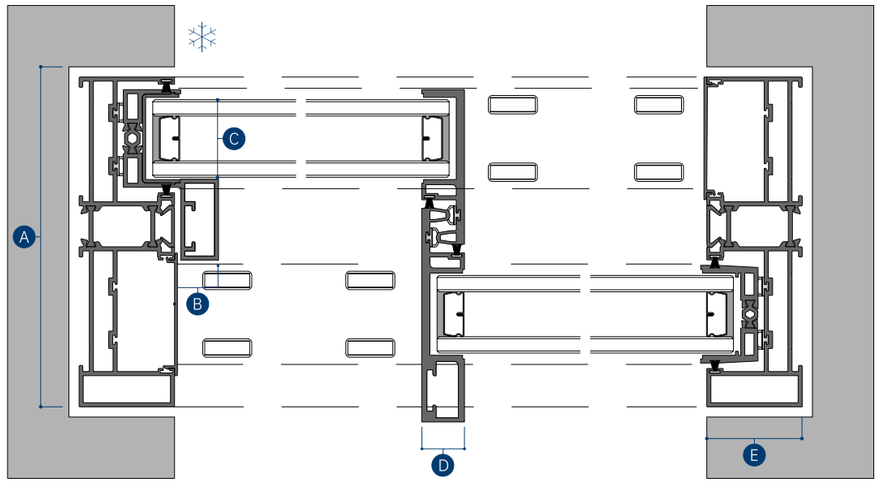
Product performance

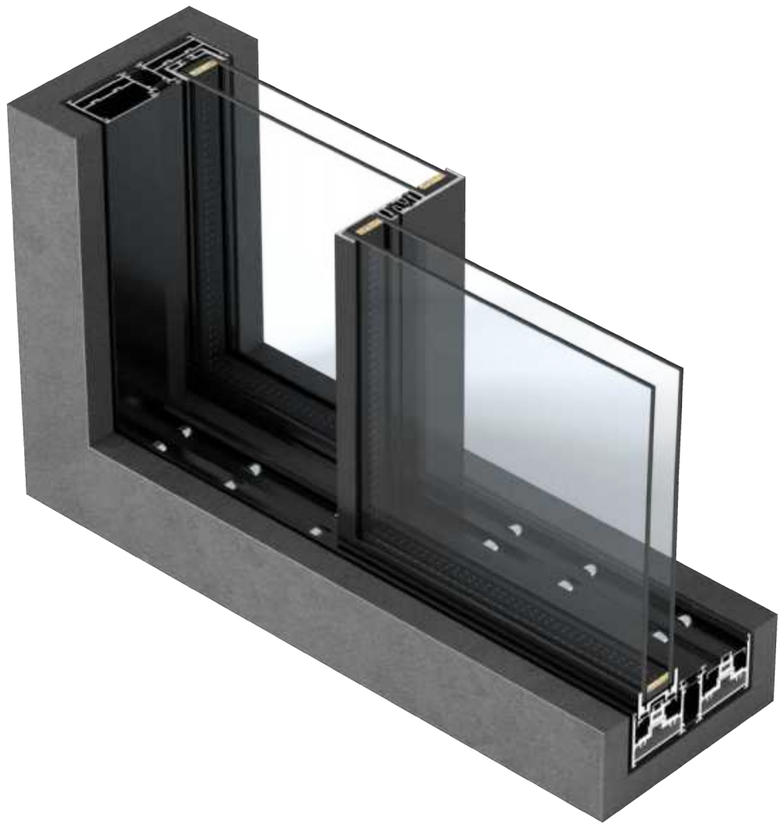
Thermal insulation	1.4
Water tightness	7A
Air tightness	CLASS 3
Wind resistance	CLASS B4
Sound insulation	40dB

*Data references EU EN14351-1: 2006+A2: 2016

V.S=Vertical Section
C.S=Cross Section
C.=Center

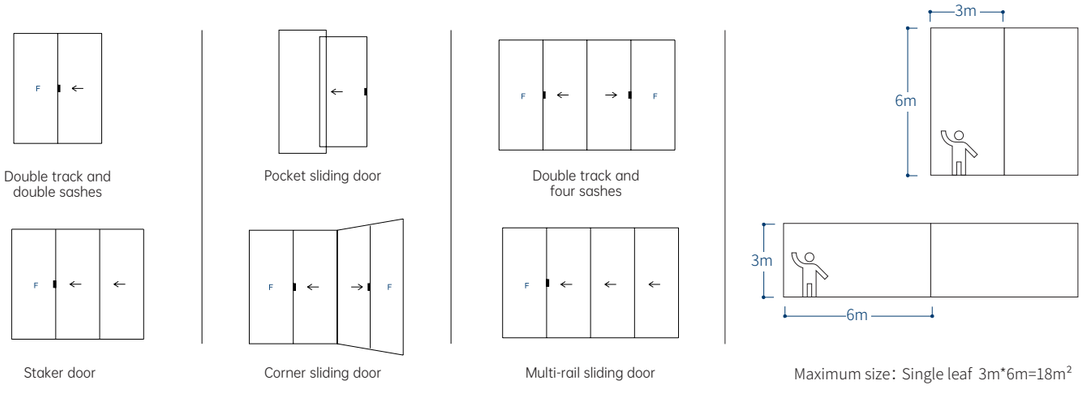
146 Manual Series Cross Section 1: 3





146 Electric Version

Sliding Door System Standard Specifications



146 Electric Series V.S Dimensions

A	Frame width:	146.1mm
B	Upper track:	91.9mm
C	Sash:	21.9mm
D	Glass:	38mm
E	Sash:	17mm
F	Lower track:	55mm
G	Frame width:	146.1mm

Product performance

Thermal insulation	1.4
Water tightness	7A
Air tightness	CLASS 3
Wind resistance	CLASS B4
Sound insulation	40dB

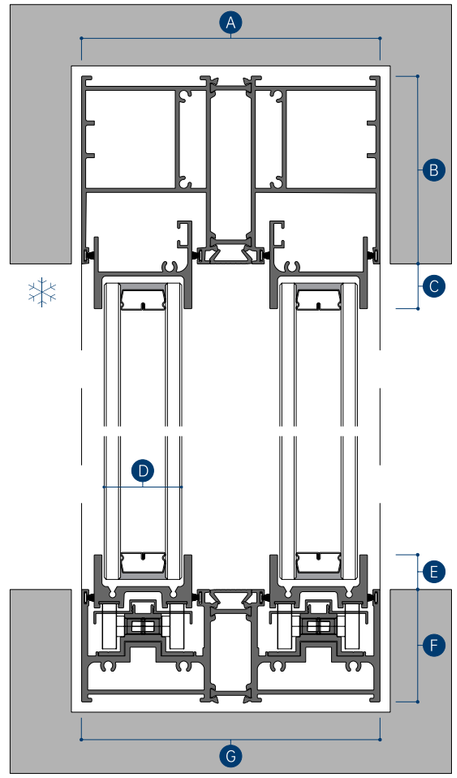
*Data references EU EN14351-1: 2006+A2: 2016

146 Electric Series C.S Dimensions

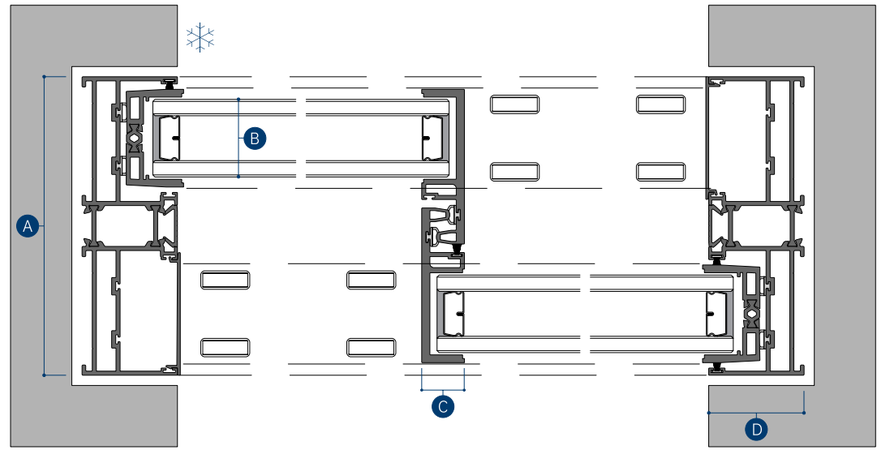
A	Frame width:	146.1mm
B	Glass:	38mm
C	C. mullion Width:	20.9mm
D	Frame:	46.7mm

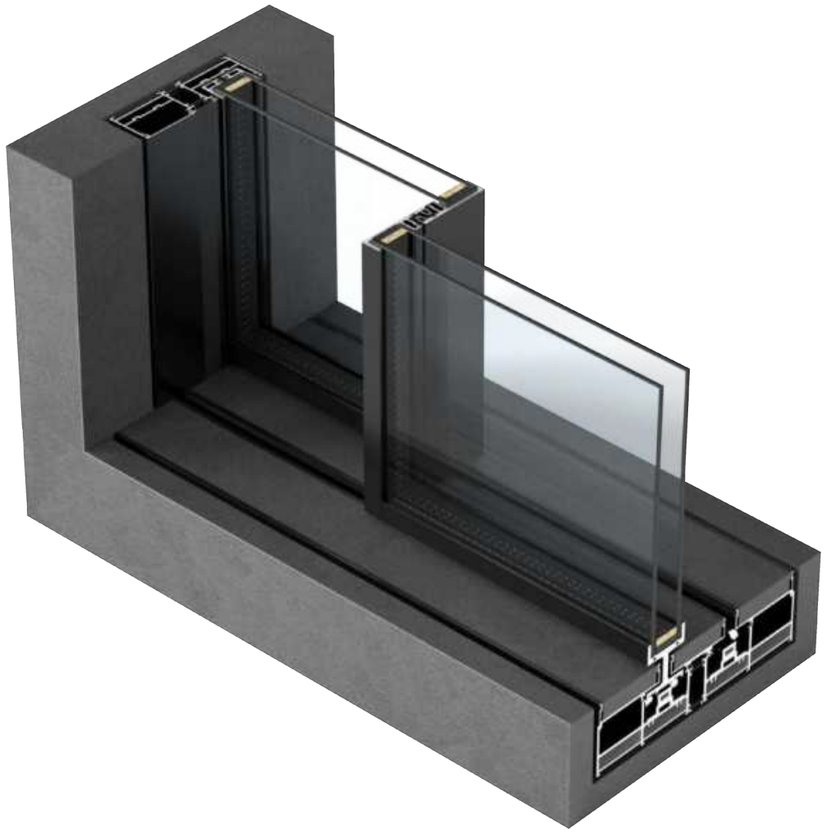
V.S=Vertical Section
C.S=Cross Section
C.=Center

146 Electric Series Vertical Section 1: 3



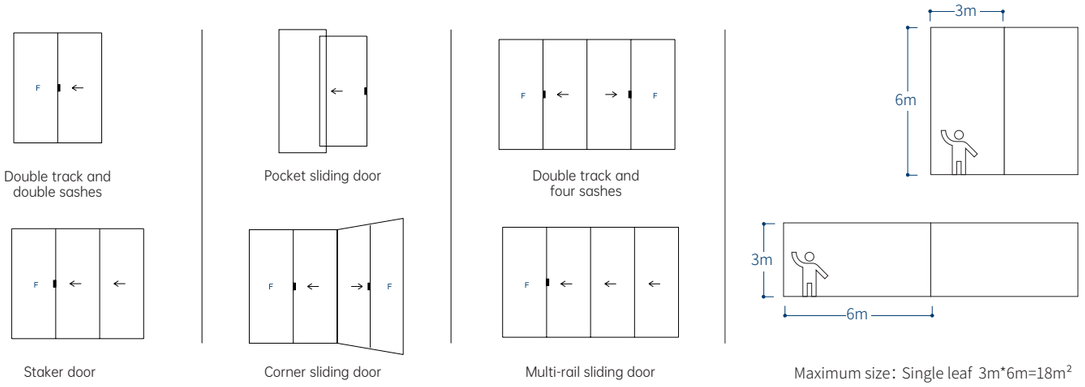
146 Electric Series Cross Section 1: 3





146 Concealed Track

Sliding Door System Standard Specifications



146 Concealed Track Series V.S Dimensions

A	Frame width:	146.1mm
B	Upper track:	91.9mm
C	Sash:	21.9mm
D	Glass:	38mm
E	Sash:	21mm
F	cover:	22.3mm
G	Lower track:	55mm
H	Frame width:	261.1mm

146 Concealed Track Series C.S Dimensions

A	Frame width:	146.1mm
B	Glass:	38mm
C	C. mullion Width:	20.9mm
D	Frame:	46.7mm

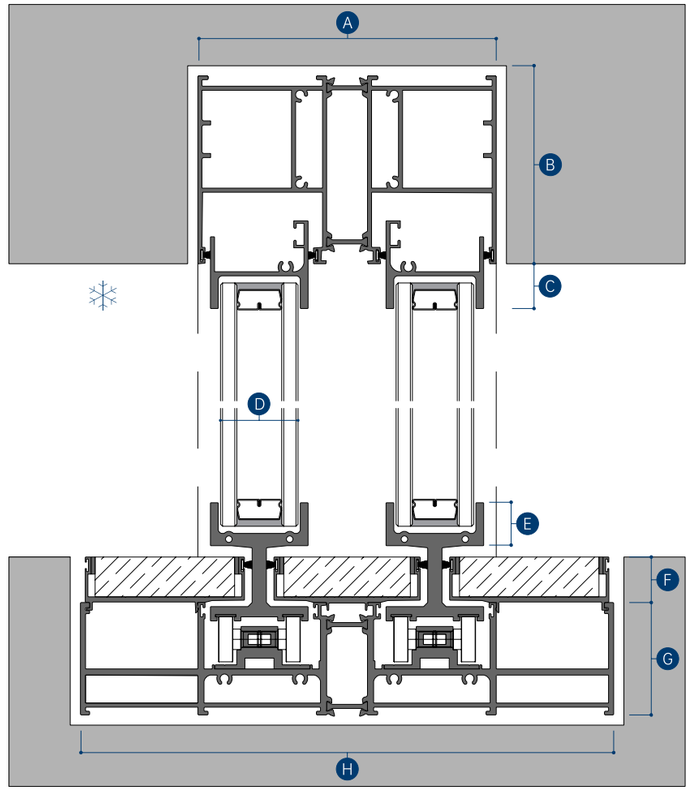
Product performance

Thermal insulation	1.4
Water tightness	7A
Air tightness	CLASS 3
Wind resistance	CLASS B4
Sound insulation	40dB

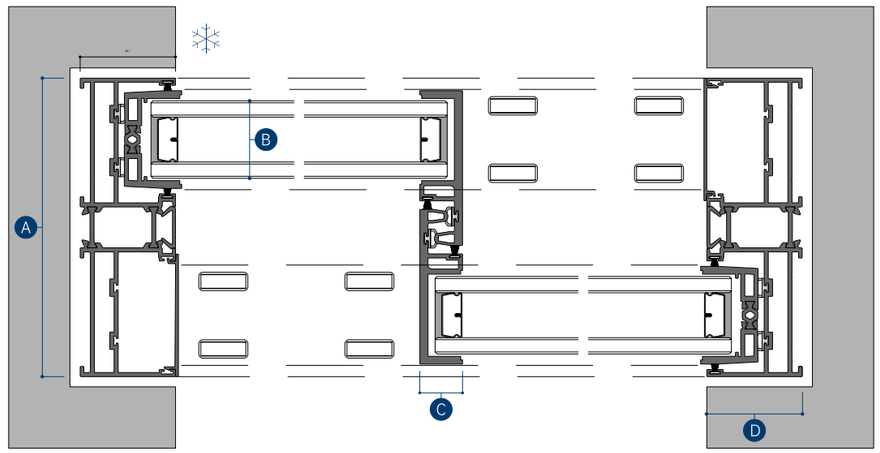
*Data references EU EN14351-1: 2006+A2: 2016

V.S=Vertical Section
C.S=Cross Section
C.=Center

146 concealed Track Series Vertical Section 1: 3

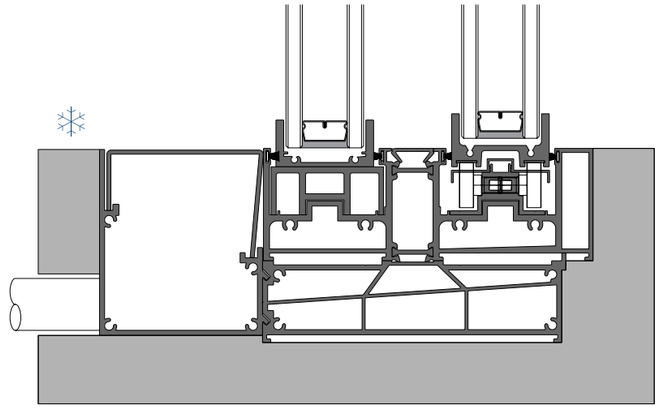


146 Concealed Track Series Cross-Section 1: 3

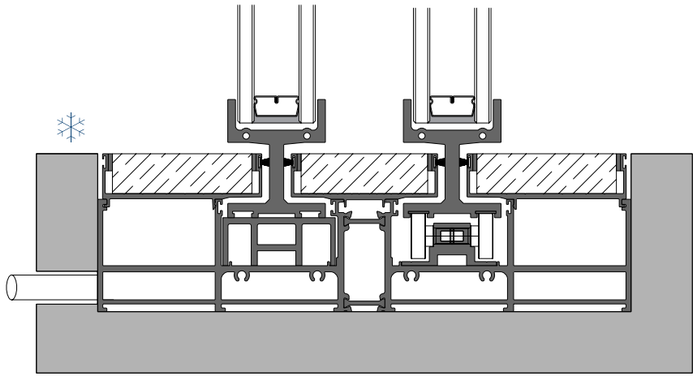


146 System Drainage

146 Standard Track Drainage



146 concealed Track Drainage





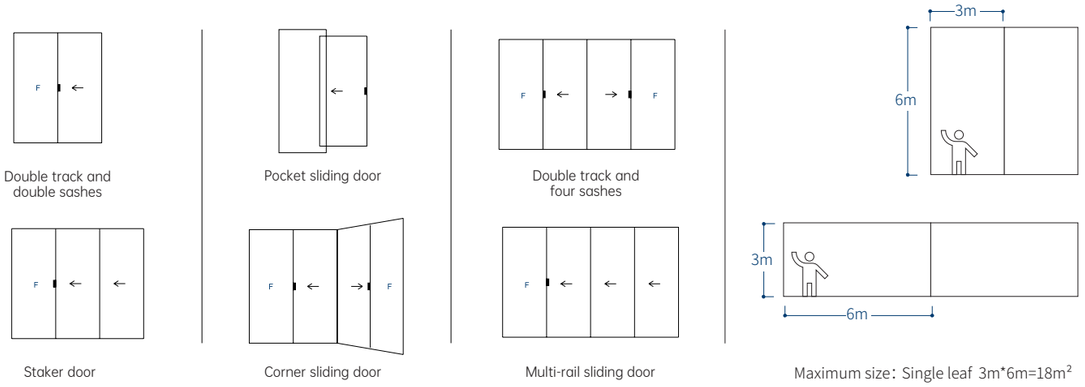
SLEEK175 Minimalist Sliding Door Series

SLEEK 175 Minimalist Sliding Door is specially designed for regions with high thermal insulation requirements, making it particularly suitable for cold areas. The SLEEK 175 series has a 50mm glass slot, allowing for the installation of Double Glazed glass, laminated glass, or multi-layer glass. The track options include exposed track, elastic track,sliding cover track, electric retractable track, and concealed track, giving architects and homeowners a variety of choices. Additionally, an electric opening option is available. The roller bearing pulley design can technically support a single sliding panel of up to 3m x 6m (any width and height), with a maximum weight of one ton. The surrounding frame can be concealed, and the visible edge is only 22mm. In areas with strong winds or for extra-high panels, stainless steel reinforcements can be added inside the edge slots for extra strength. The SLEEK 175 series has been tested and certified in China, Australia, the European Union, and the United States, ensuring reliable performance suitable for use worldwide.



175 Manual Version

Sliding Door System Standard Specifications



175 Manual Series V.S Dimensions

A	Frame width:	199.7mm
B	Upper track:	72.8mm
C	Glass:	48mm
D	Lower track:	72.8mm
E	Frame width:	199.7mm

175 Manual Series C.S Dimensions

A	Frame width:	199.7mm
B	Glass:	48mm
C	C. mullion Width:	22mm
D	Frame:	72.8mm

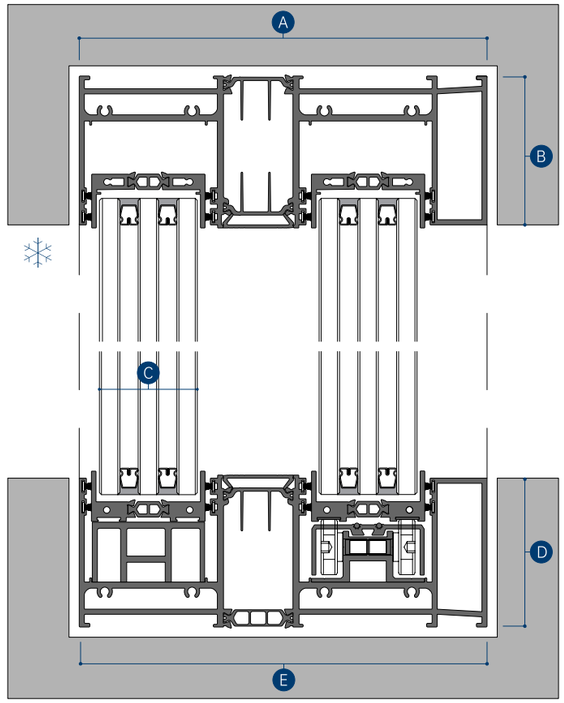
Product performance

Thermal insulation	1.2
Water tightness	7A
Air tightness	CLASS 3
Wind resistance	CLASS B4
Sound insulation	42dB

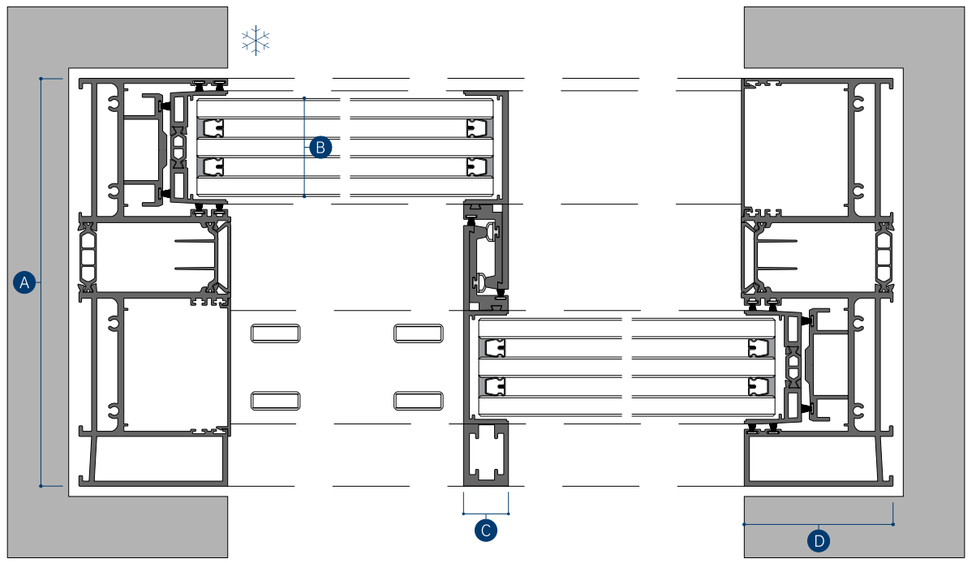
*Data references EU EN14351-1: 2006+A2: 2016

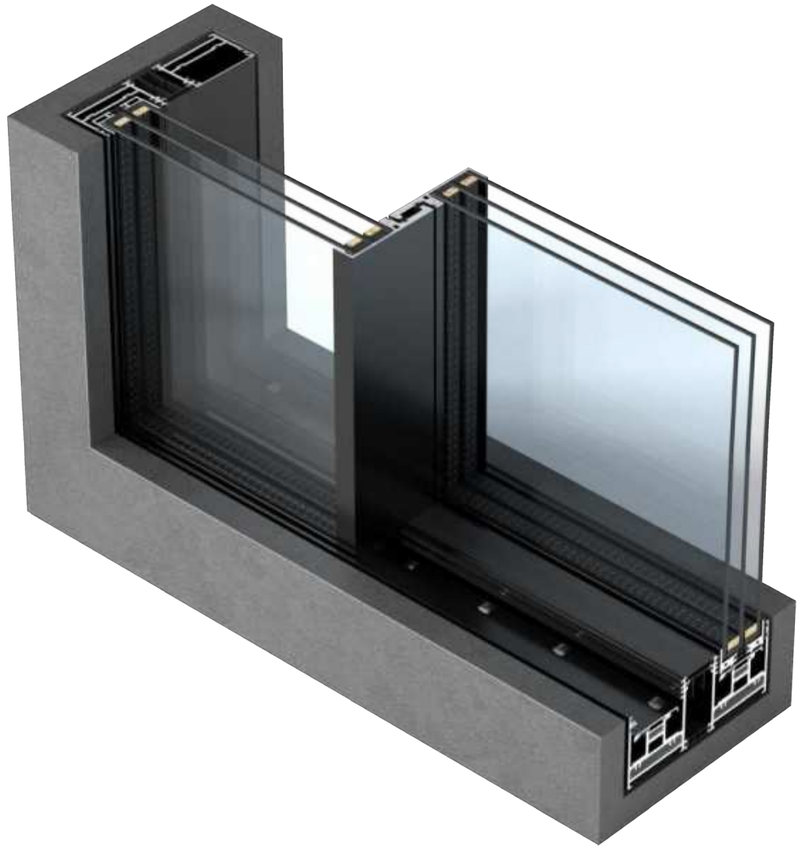
V.S=Vertical Section
C.S=Cross Section
C.=Center

175 Manual Series Vertical Section 1: 3



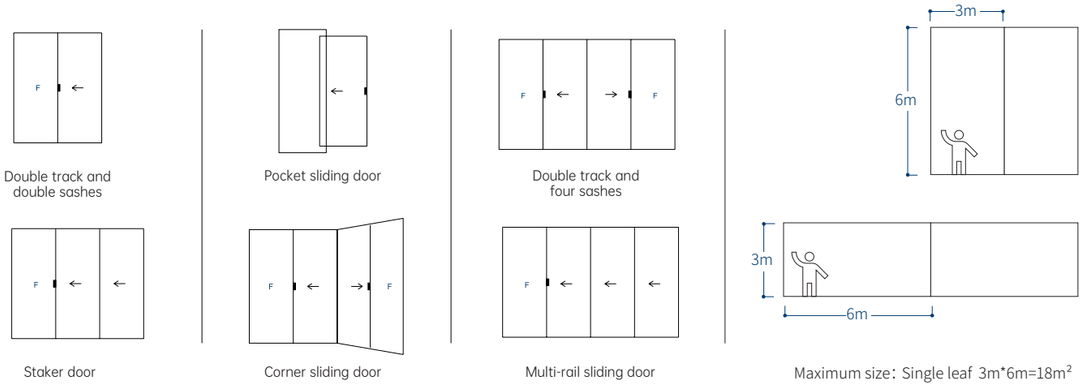
175 Manual Series Cross-Section 1: 3





175 Electric Version

Sliding Door System Standard Specifications



175 Electric Series V.S Dimensions

A	Frame width:	175.3mm
B	Upper track:	118mm
C	Glass:	48mm
D	Lower track:	72.8mm
E	Frame width:	175.3mm

175 Electric Series C.S Dimensions

A	Frame width:	175.3mm
B	Glass:	48mm
C	C. mullion Width:	22mm
D	Frame:	49mm

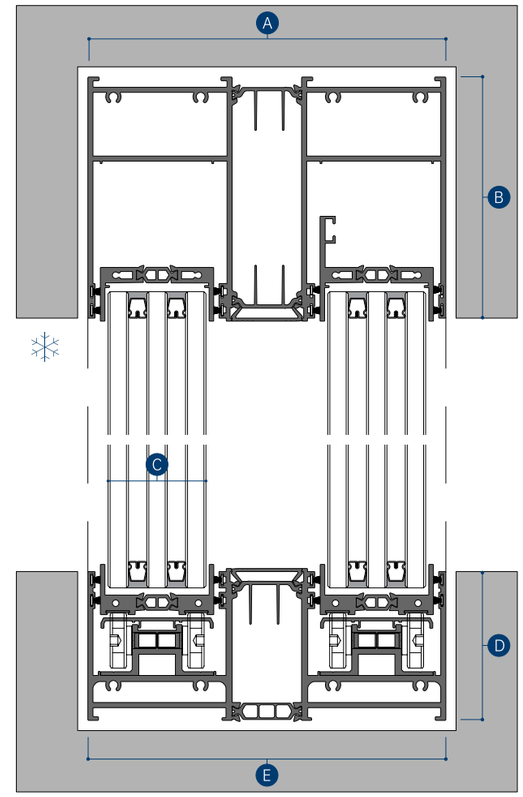
Product performance

Thermal insulation	1.2
Water tightness	7A
Air tightness	CLASS 3
Wind resistance	CLASS B4
Sound insulation	42dB

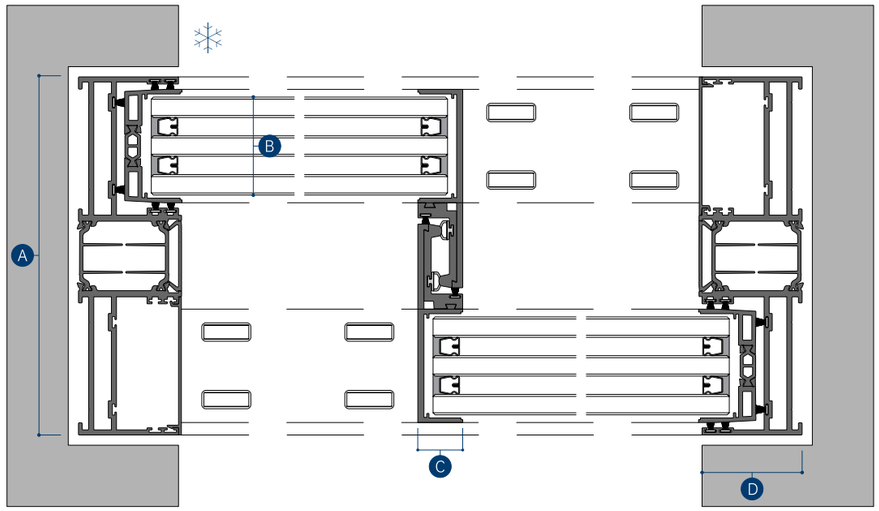
*Data references EU EN14351-1: 2006+A2: 2016

V.S=Vertical Section
C.S=Cross Section
C.=Center

175 Electric Series Vertical Section 1: 3

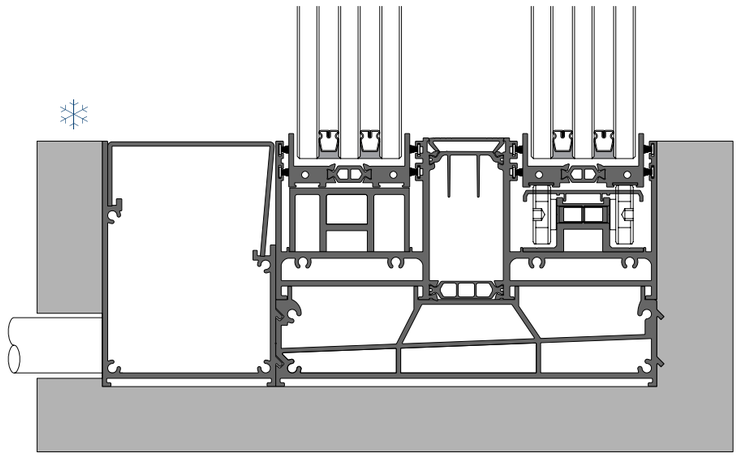


175 Electric Series Cross Section 1: 3

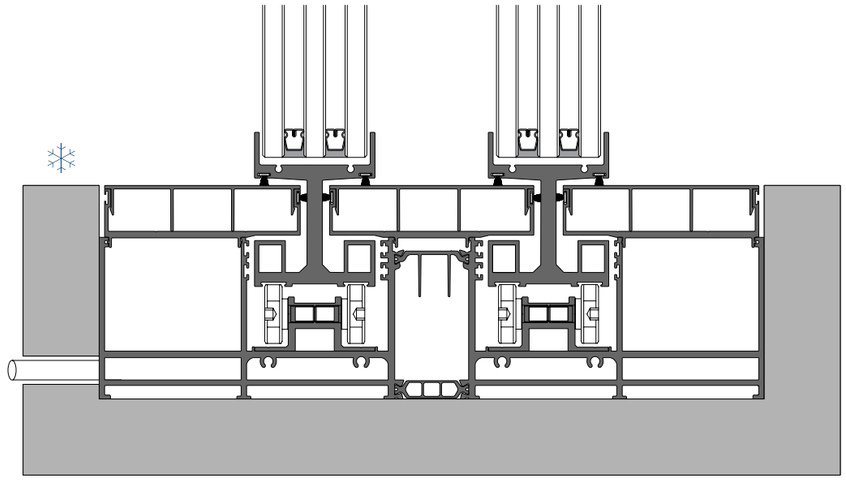


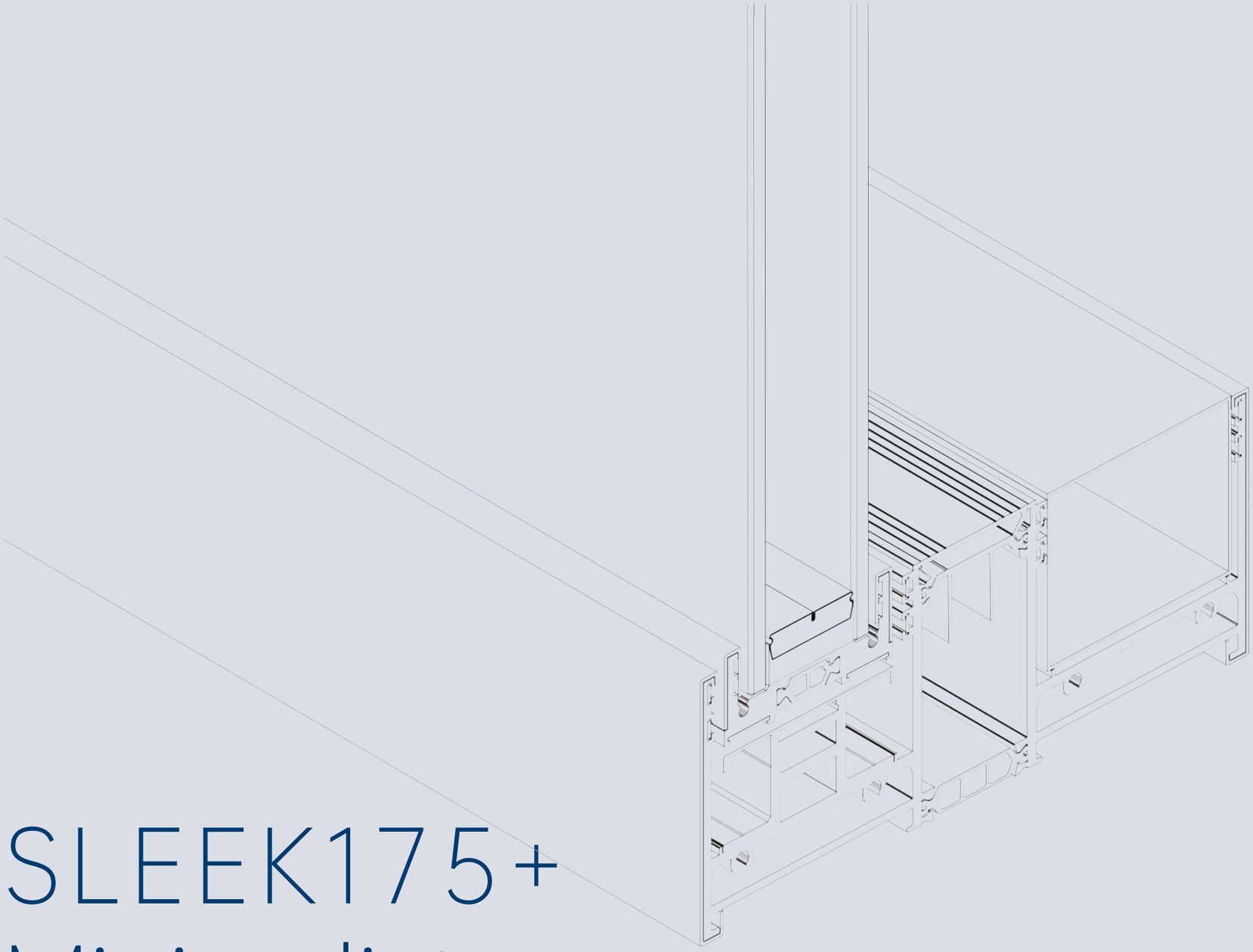
175 System Drainage

175 Standard Track Drainage



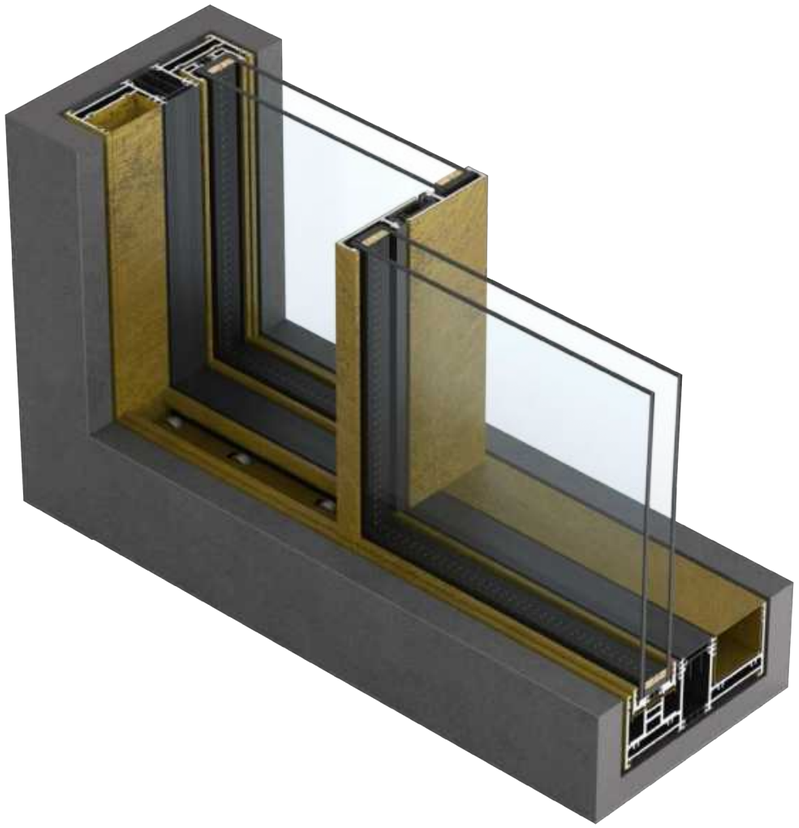
175 Concealed Track Drainage





SLEEK175+ Minimalist Sliding Door Structure based on SLEEK175 series, aluminum profiles are coated with stainless steel and copper, and different materials give different appearance and texture. Modern stainless steel, classic copper and SLEEK175 + can be easily expressed, which provides sufficient design imagination space for architects.

SLEEK175+ Minimalist Sliding Door Series



175+ Series V.S Dimensions

A	Frame width:	177.5mm
B	Upper track:	120.3mm
C	Glass:	41mm
D	Lower track:	75.2mm
E	Frame width:	177.5mm

175+ Series C.S Dimensions

A	Frame width:	177.5mm
B	Glass:	41mm
C	C. mullion Width:	22.6mm
D	Frame:	51.3mm

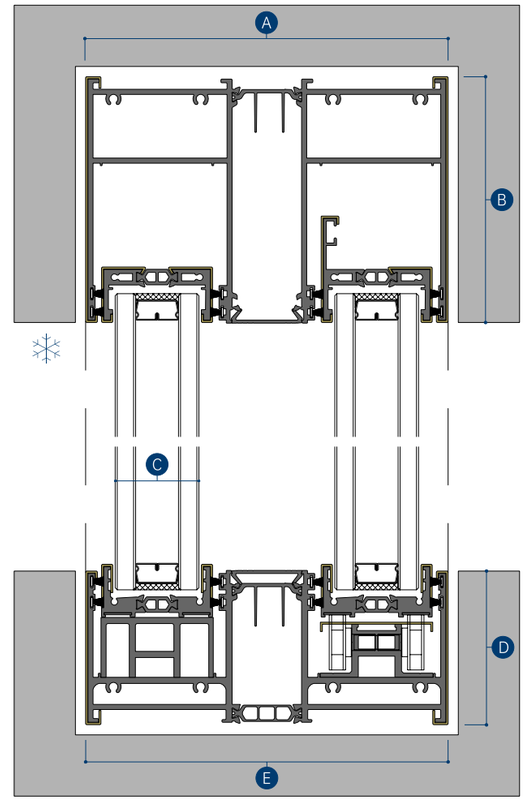
Product performance

Thermal insulation	1.2
Water tightness	7A
Air tightness	CLASS 3
Wind resistance	CLASS B5
Sound insulation	42dB

*Data references EU EN14351-1: 2006+A2: 2016

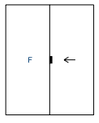
V.S=Vertical Section
C.S=Cross Section
C.=Center

175+ Series Vertical Section 1: 3

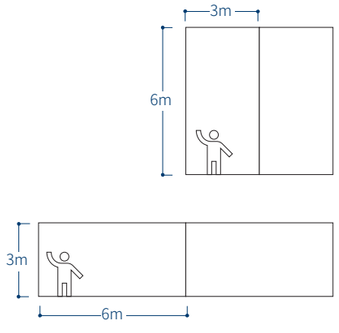


175+

Sliding Door System Standard Specifications

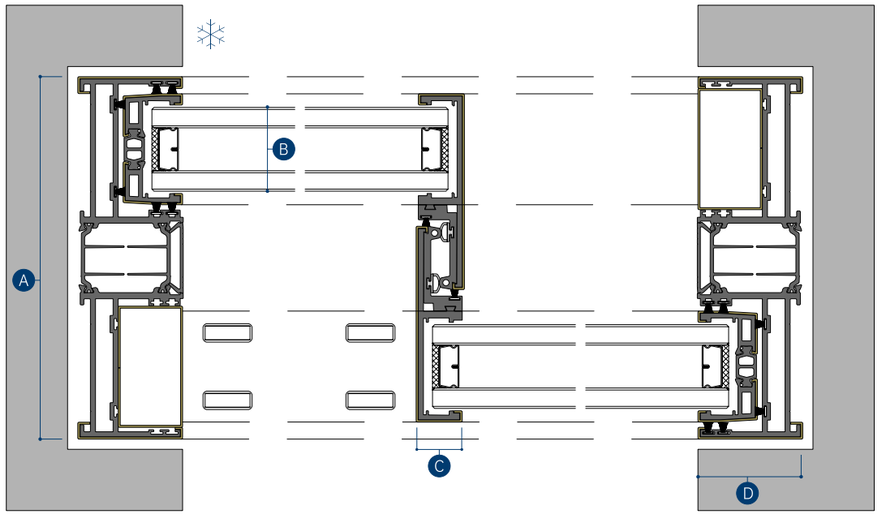


Double track and double sashes



Maximum size: Single leaf 3m*6m=18m²

175+ Series Cross-Sections 1: 3

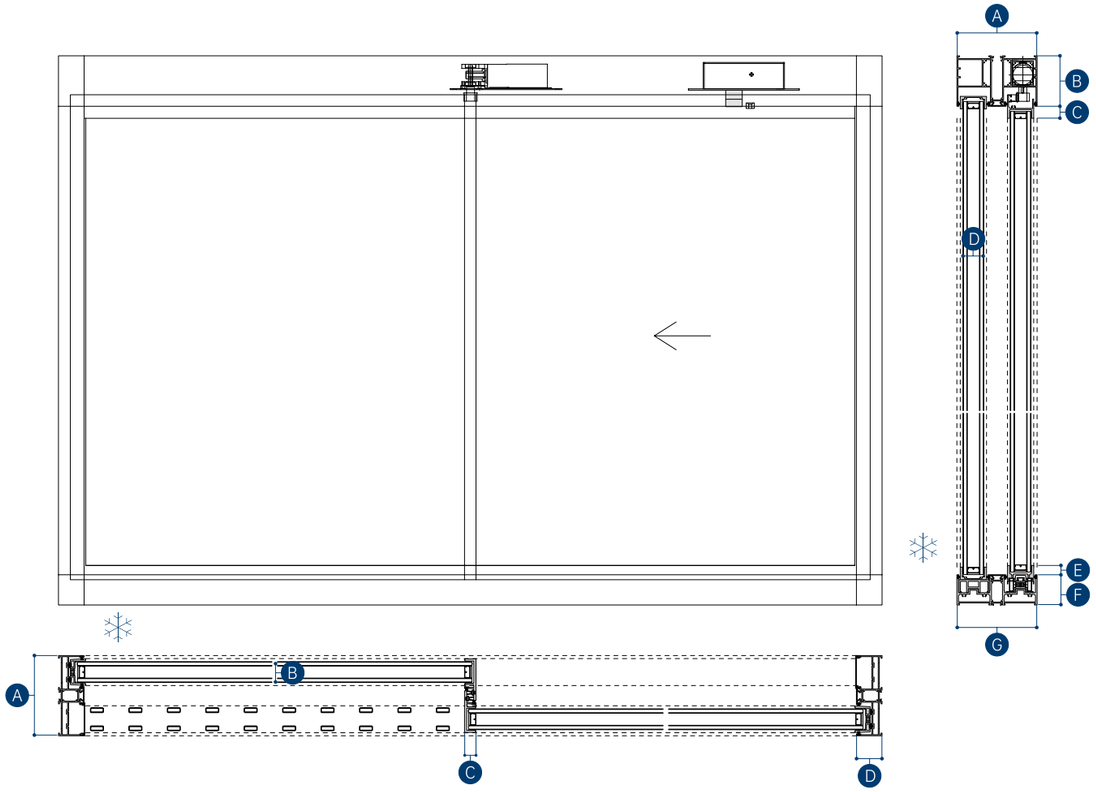



SLEEK

* Electrical Systems

The SLEEK Minimalist Sliding Door Electric System is fully independently developed. Its stable gear and rack transmission mechanism is completely maintenance-free. Installation is convenient—just like other sliding doors, it can be used by simply installing the panel. SLEEK's gear transmission system uses rigid high polymer chemical materials, which have minimal thermal expansion and contraction, ensuring a relatively stable transmission system. With 400,000 usage cycles and a 10-year warranty on the electric system, we have full confidence in our technology. The SLEEK electric system operates at a safe low voltage of 24V and features a six-second pause function when encountering obstacles, along with anti-pinch hardware for added safety, making it safer for children to use. In the event of a power outage or other emergency, the SLEEK electric system can be manually operated. The manual brake operation is purely mechanical and independent of the electronic system, ensuring complete personal safety. Additionally, the SLEEK electric sliding door system is compatible with most smart home systems on the market, offering endless possibilities for experiencing the Internet of Things lifestyle.

SLEEK Electric System Vertical Cross-Section Dimensions 1: 11



SLEEK Electric System C.S Dimensions

A	Frame width:	146.1mm
B	Glass:	38mm
C	C. mullion Width:	20.9mm
D	Frame:	46.7mm

SLEEK Electric System V.S Dimensions

A	Frame width:	146.1mm
B	Upper track:	91.9mm
C	Sash:	21.9mm
D	Glass:	38mm
E	Sash:	17mm
F	Lower track:	55mm
G	Frame width:	146.1mm

V.S=Vertical Section
C.S=Cross Section
C.=Center



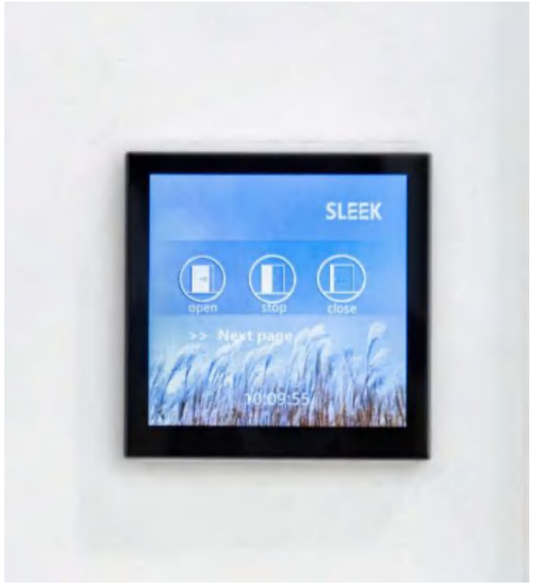
SLEEK Face Recognition System



SLEEK Remote Switch



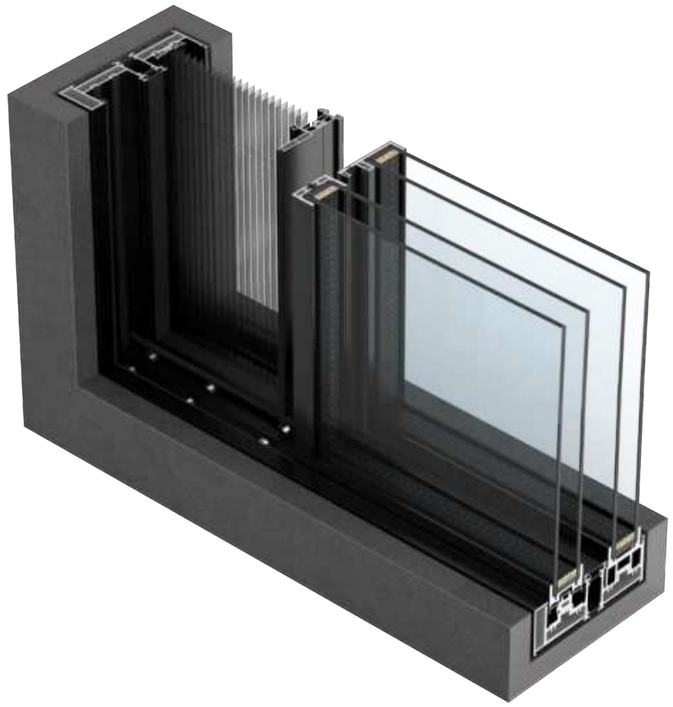
SLEEK Electric Switch



SLEEK Smart Control Panel

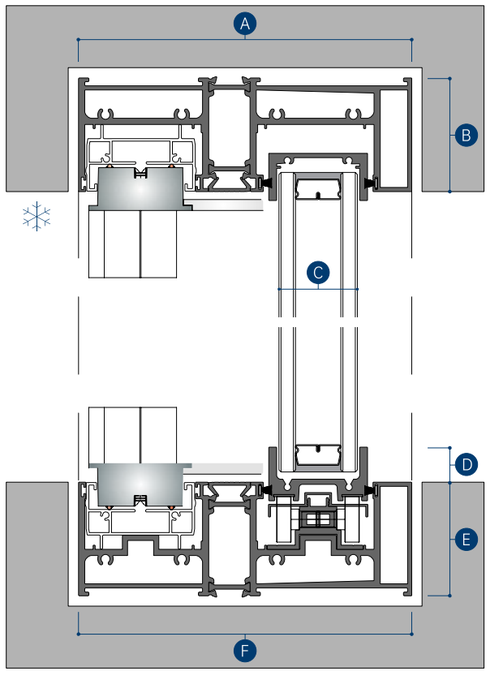
* Screen Solutions

The SLEEK Minimalist Sliding Door integrates the design of the screen window into the system. It can provide a fold able invisible screen window with a maximum width of 2500mm and a height of 3300mm. When the screen window is retracted, it can be concealed within the frame of the sliding door, without obstructing the view.



146 Series Window Screens

146 Series Window Screen Vertical Section 1: 3



146 Series Window Screen Vertical Section Dimensions

- A Frame width: 161.3mm
- B Upper track: 55mm
- C Glass: 38mm
- D Sash: 17mm
- E Lower track: 55mm
- F Frame width: 161.3mm

146 Series Window Screen C.S 1 Dimensions

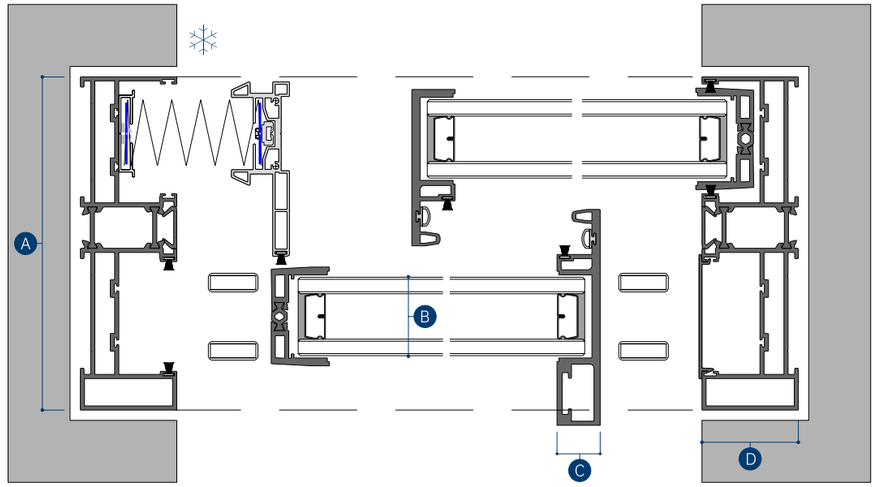
- A Frame width: 161.3mm
- B Glass: 38mm
- C C. mullion Width: 20.9mm
- D Frame: 46.7mm

146 Series Window Screen C.S 2 Dimensions

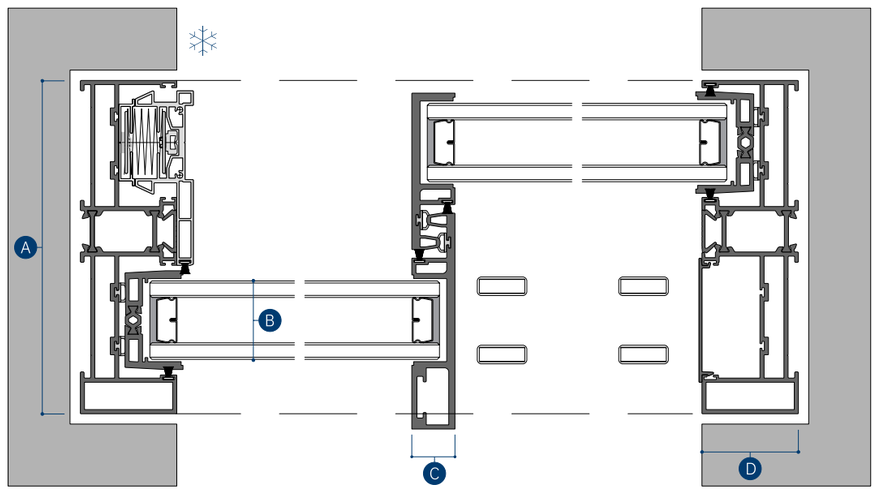
- A Frame width: 161.3mm
- B Glass: 38mm
- C C. mullion Width: 20.9mm
- D Frame: 46.7mm

C.S=Cross Section
C.=Center

146 series window screen cross-section 1 1: 3



146 series window screen cross-section 2 1: 3









Chongqing Residence



https://sleekwindor.com

SLEEK Slim Sliding Door System

SLEEK Slim Sliding Door System