

SKYCLOS

ALUMINUM MINIMAL SYSTEM



IT IS NOT JUST A WINDOW

SKYCLOS

Minimal Doors and Windows Systems





SKYCLOS Systems

- SKYSLIDE
- SKYWALL
- SKYHINGE
- SKYPIVOT
- SKYFOLD
- SKYVINTAGE

SKYSLIDE

SkySlide defines the next generation of architectural glazing a precision engineered system that unites advanced performance with refined minimalism. Featuring ultra-slim aluminium profiles and expansive glass panels, it delivers maximum transparency and uncompromised structural strength, achieving a perfect balance between visual lightness and enduring durability.

SkySlide transforms spatial perception by creating fluid, uninterrupted transitions between interior and exterior spaces. Its advanced track mechanism ensures effortless, silent movement, while exceptional thermal and acoustic insulation meet the highest international standards of efficiency and comfort.



SKYSLIDE

Minimal Sliding Doors & Windows

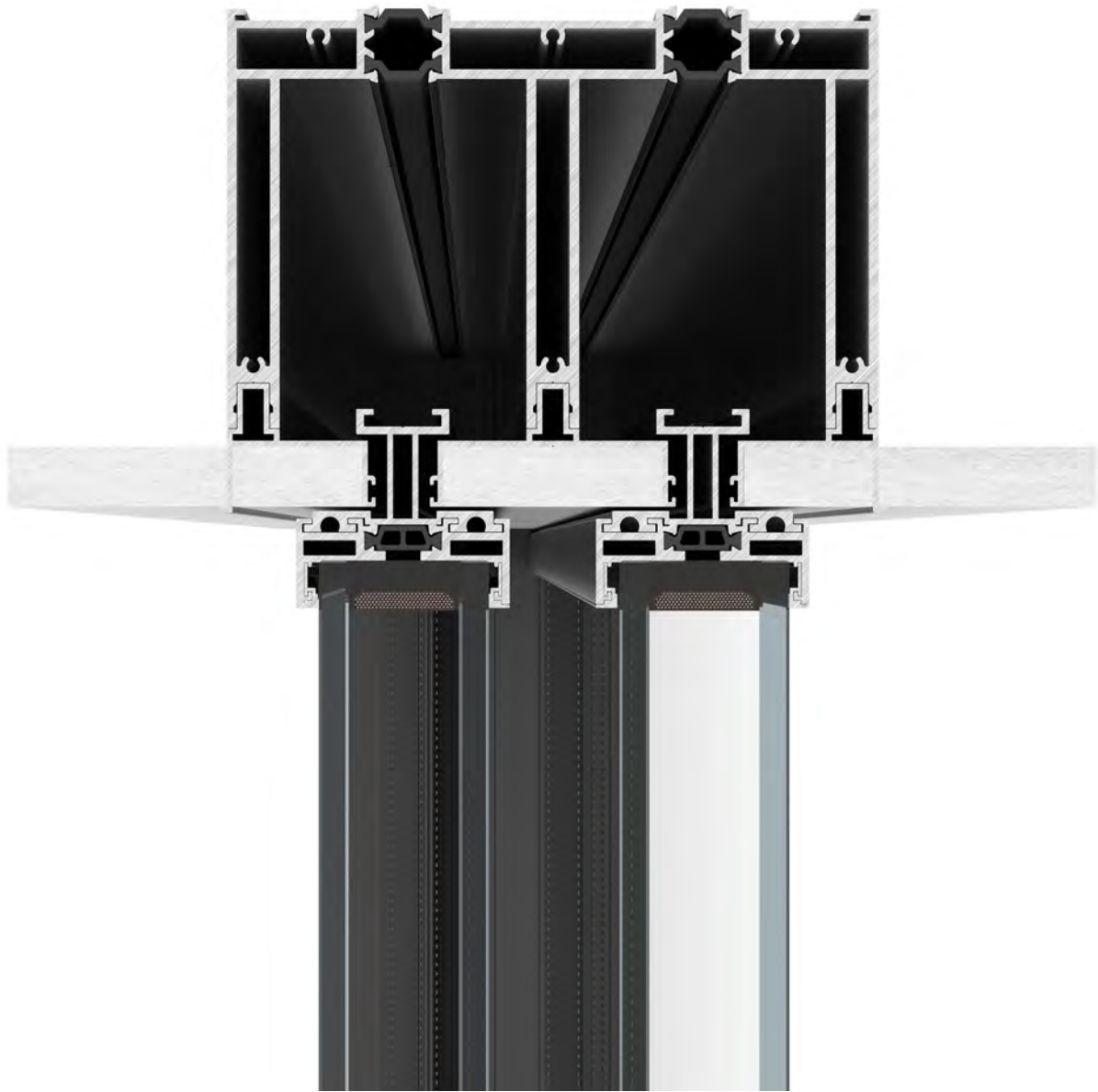


SKYSLIDE SYSTEM
HIGHLIGHTED DETAILS

SKYCLOS

SKYSLIDE

Minimal Sliding Doors & Windows



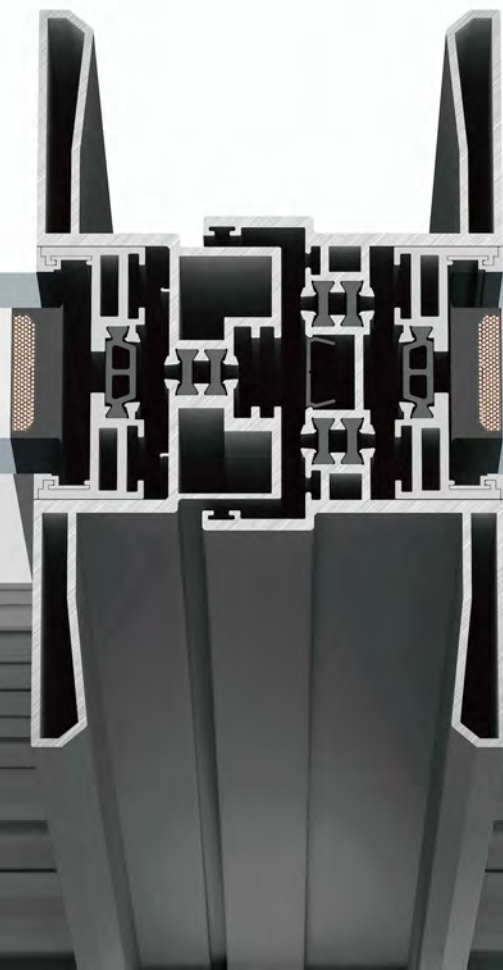
SKYSLIDE

Minimal Sliding Doors & Windows



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SKYSLIDE

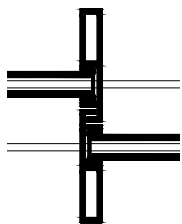
	SLIDING 36	SLIDING 44
PROFILES	THERMAL BREAK	THERMAL BREAK
LEAF WEIGHT UP TO	750 Kg	1500 Kg
LEAF HEIGHT	4 m	6 m
LEAF AREA	8 m ²	15 m ²
GLASS THICKNESS UP TO	36 mm	44 mm
MEETING STILE WIDTH	22 mm or 7 mm	22 mm or 7 mm
CONCEALED TRACKS	yes	yes
NUMBER OF TRACKS	6	6
MULTI POINT LOCKING SYSTEMS	yes	yes
AUTOMATIC SLIDING MOTORS	yes	Yes



FEATURES

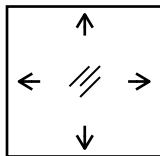
- Sleek and modern aesthetic with slim frames.
- Maximized natural light through large glass panels.
- High strength and durability with corrosion-resistant aluminum.
- Smooth operation with effortless sliding.
- Energy saving glass for better thermal insulation.
- Soft close system is developed to ensure comfort and speed

SKYSLIDE SYSTEM TECHNICAL SPECIFICATIONS



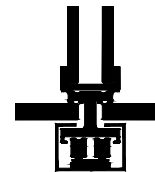
Minimal Profile

The system designed with slimmest possible aluminium interlock profile 22mm.



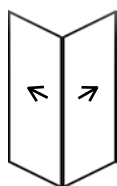
Maximum Glass Area

Capable to accommodate glass panels with maximum dimensions of 3 m in width and 6 m in height.



Concealed Track

The sliding floor track system is designed to be hidden under the finished floor, accommodating various finishing materials.



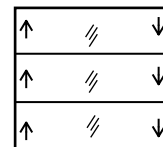
Free Corner

Sliding system features a free corner configuration that ensures uninterrupted views and maximum space when the door is open.



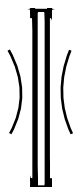
Motorized Door

Motorized sliding panels provide additional comfort and can be operated via home automation, smart devices, digital switches, and remote control.



Guillotine

Vertical sliding functionality enables one or more panels to move smoothly upward or downward along a guided track.



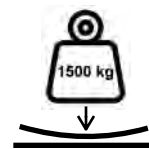
Structural Stability

The door leaf supports glass thicknesses up to 44 mm for double or triple glazing and can include slim aluminum reinforcements to enhance structural stability for larger sizes.



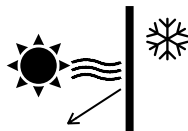
Glass Combination

SkySlide system accommodates multiple glass thicknesses and compositions to fit the project structural and architectural requirement.



Durable Design

Bespoke European-made sliding wheels, crafted from stainless steel and capable of supporting a leaf weight of up to 1500 kg.



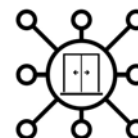
Thermal Performance

Thermal broken Aluminum profiles offer maximum heat insulation. The system is meticulously designed to accommodate thermal expansion, accounting for temperature variations between the inner and outer spaces.



System Performance

Tested and certified for resistance to water penetration, air infiltration, and structural loading in accordance with American and European standards



Unlimited Solutions

The SkySlide system is crafted to offer our clients limitless opening solutions for windows and doors, enabling them to optimize space usage and ensure effortless movement

SKYSLIDE SYSTEM
HIGHLIGHTED DETAILS

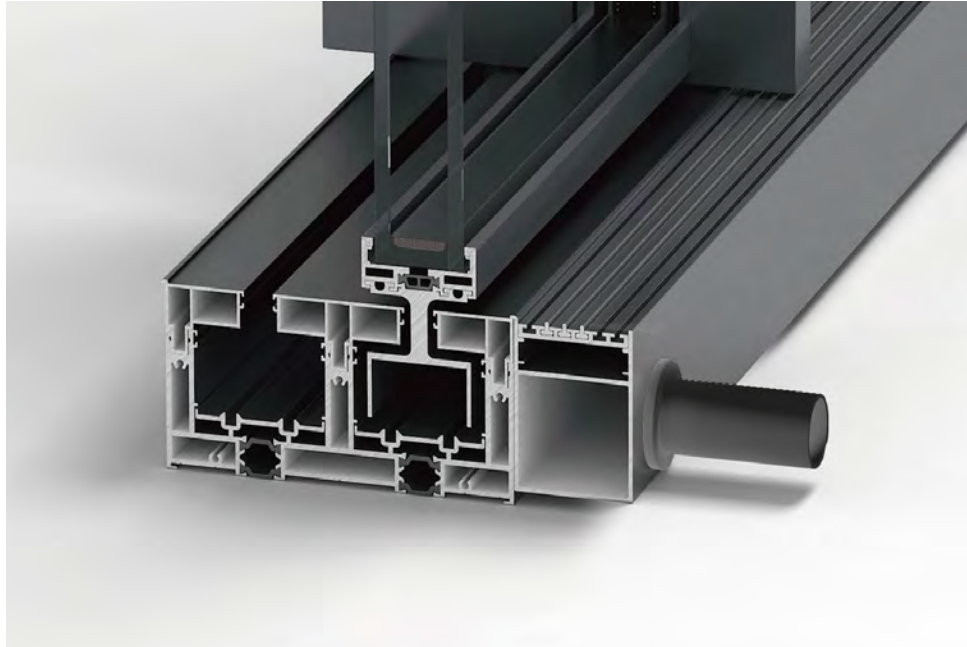
SKYCLOS



SKYSLIDE SYSTEM COMPONENTS SLIM ALUMINUM PROFILES

STAINLESS STEEL SLIDING RAIL

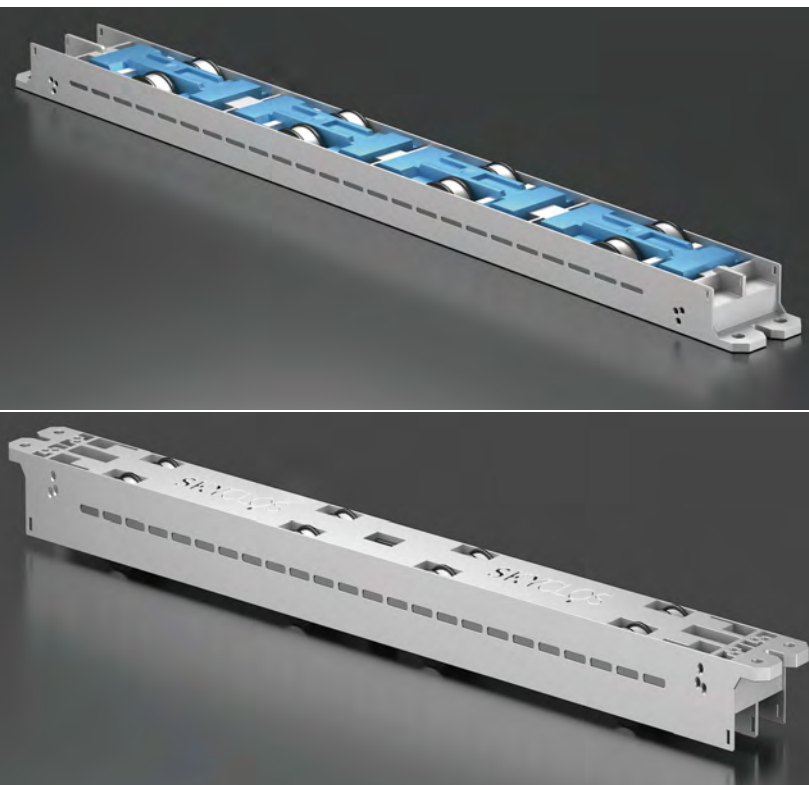
A recessed stainless steel sliding rail integrated into the lower frame profile provides low-friction guidance and quiet, effortless movement of the transparent elements.



STAINLESS STEEL BALL BEARING WHEEL

Wheel box is Elegantly hidden within the lower profile, the self-centring roller carriage uses premium stainless steel rollers to deliver exceptional stability and effortless, fluid motion supporting leaf weight of up to 1,500 kg.

Strong wheel that is personalized with SkyClos's logo.

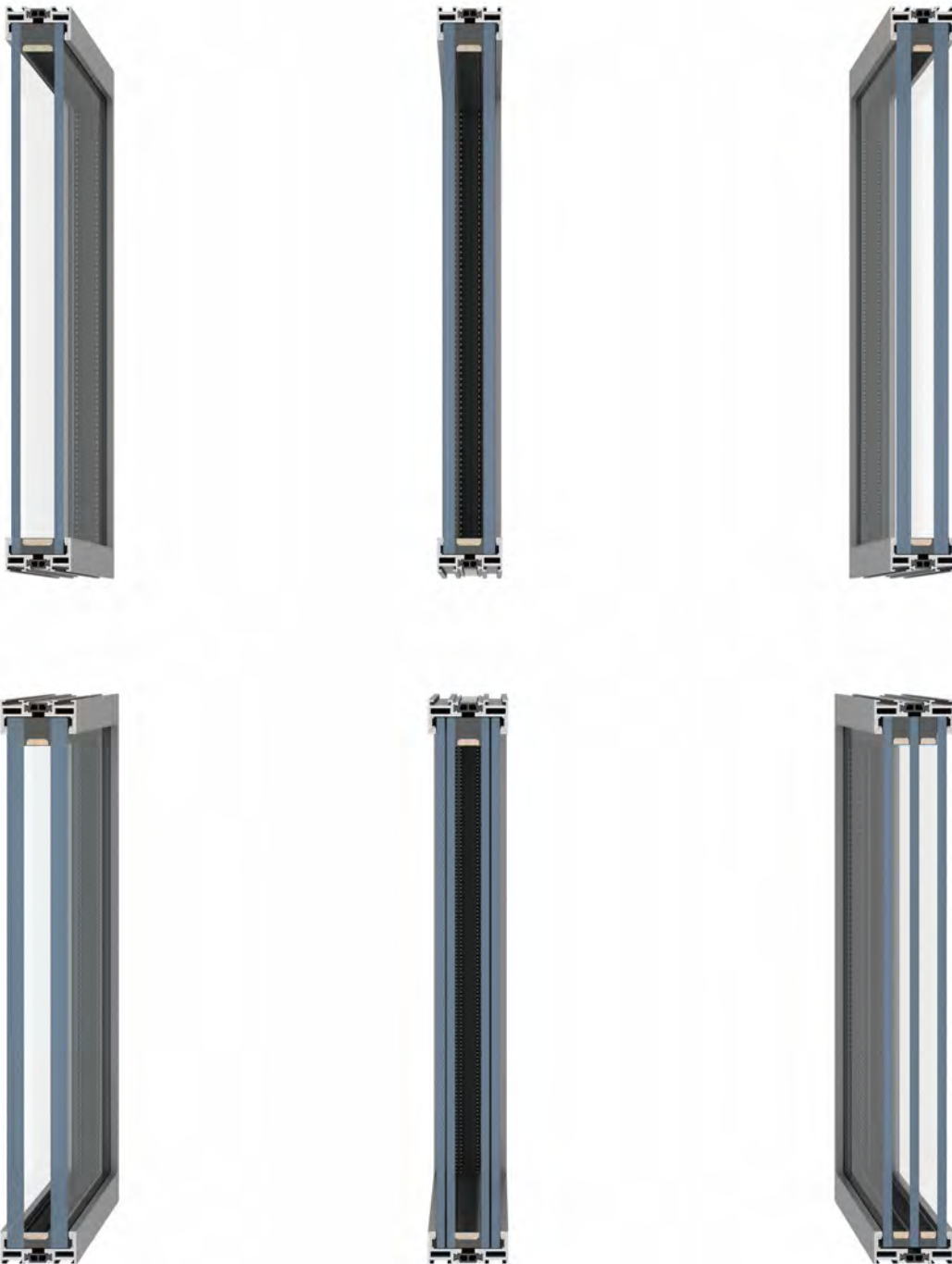


SKYSLIDE SYSTEM GLASS LAYERS

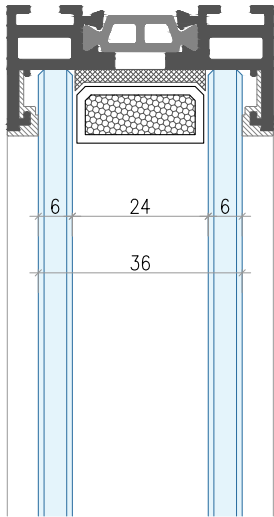
SKYCLOS

SkyClos glass is based on the revolutionary vacuum insulating glass. This technology allows for 12mm total thickness glass to achieve triple glazing performance and by reducing glass thickness the overall aluminium structure of the window diminishes proportionally, resulting in an extremely slim and minimal system.

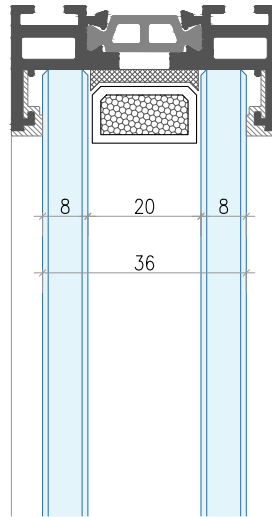
The system can achieve pane surfaces up to approximately 4m² and allows for the introduction of a wide range of accessories.



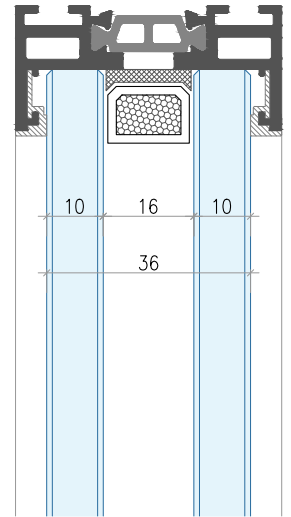
36mm width



Double pane
6mm
24mm airspace
6mm

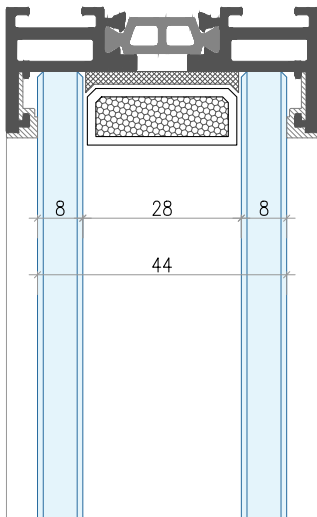


Double pane
8mm
20mm airspace
8mm

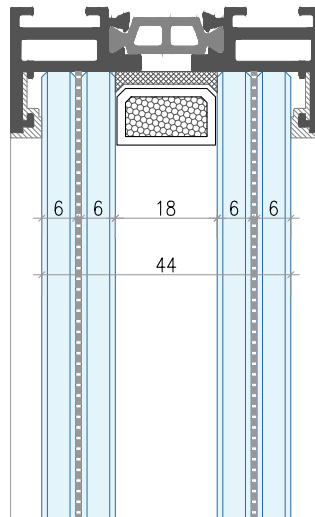


Double pane
10mm
16mm airspace
10mm

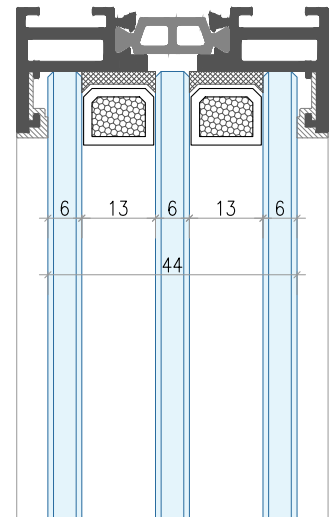
44 mm width



Double pane
8mm
28mm airspace
8mm

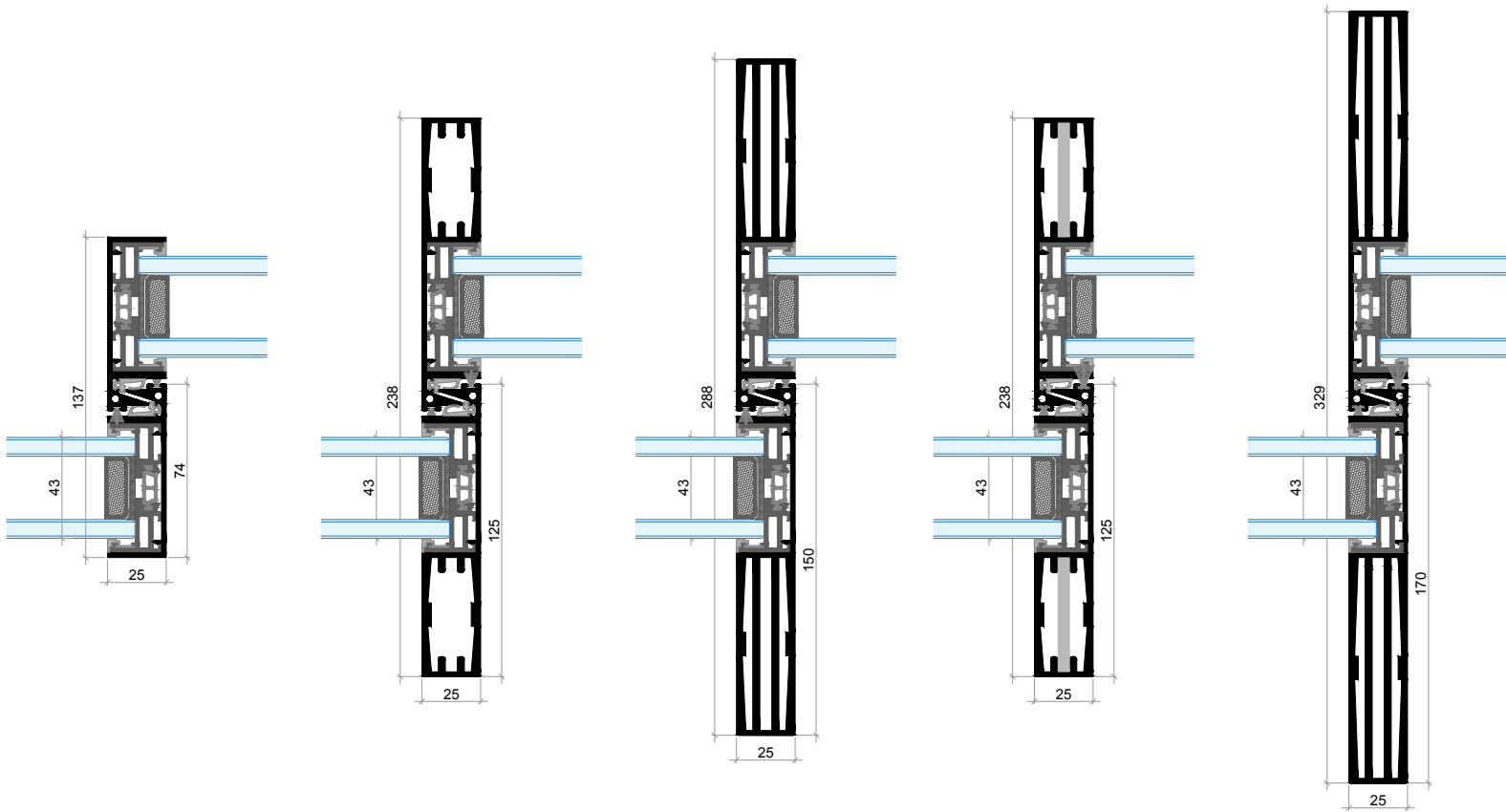


Double pane laminated
13mm
18mm airspace
13mm



Triple pane
6mm
13mm airspace
6mm
13mm airspace
6mm

SKYSLIDE SYSTEM ALUMINUM INTERLOCK PROFILE



2500W × 2900H
1500W × 3400H

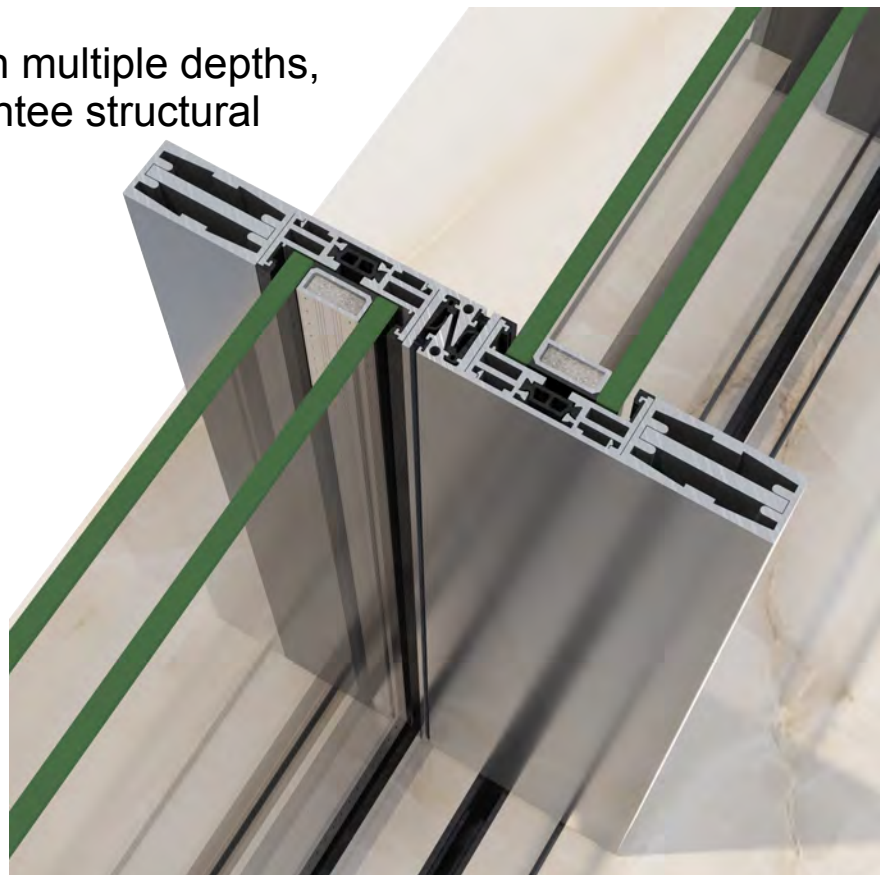
2500W × 4900H
1500W × 5700H

2500W × 6500H
1500W × 7500H

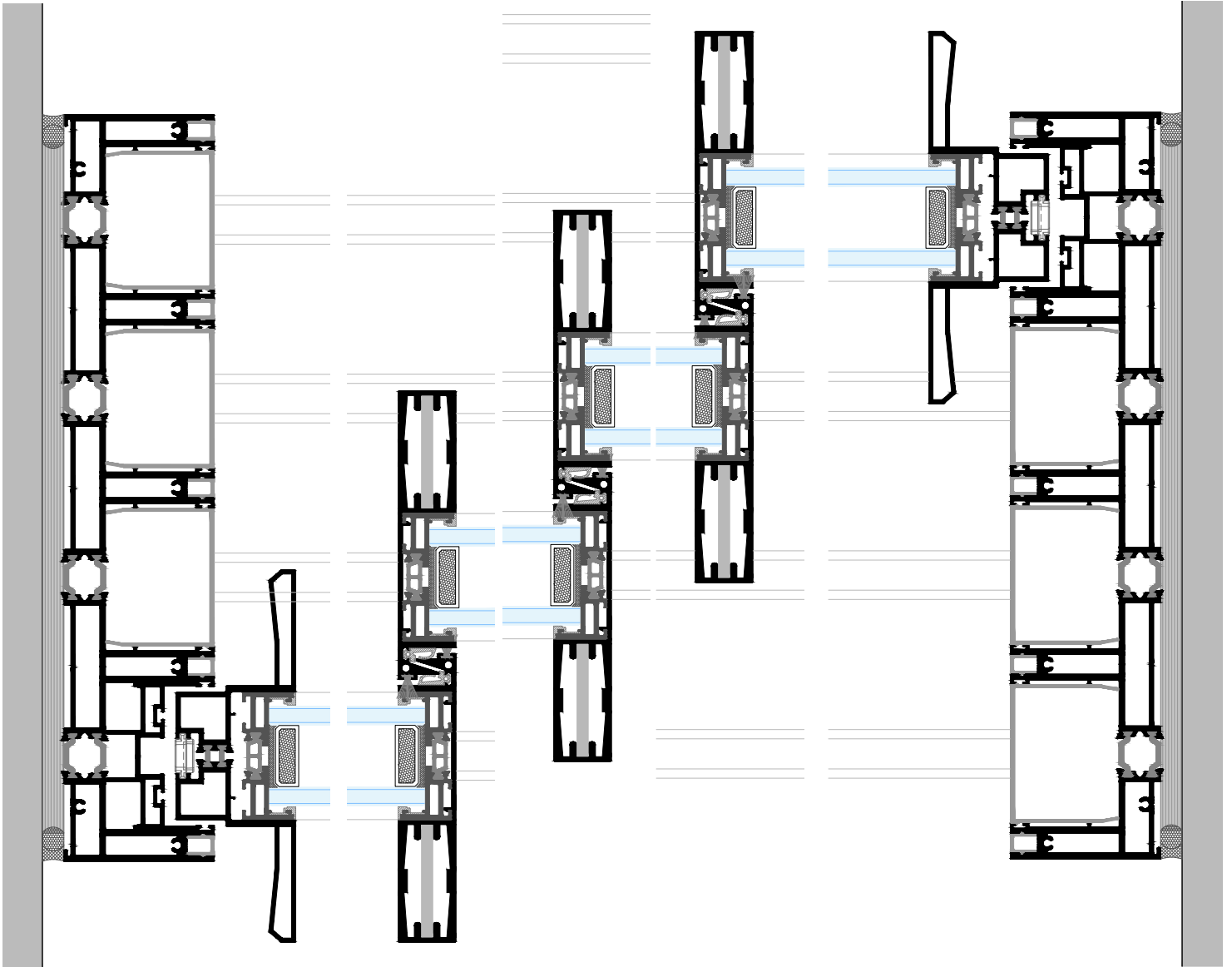
2500W × 5400H
1500W × 6300H

With reinforced
mullion, a single
sash area can
reach 18m²

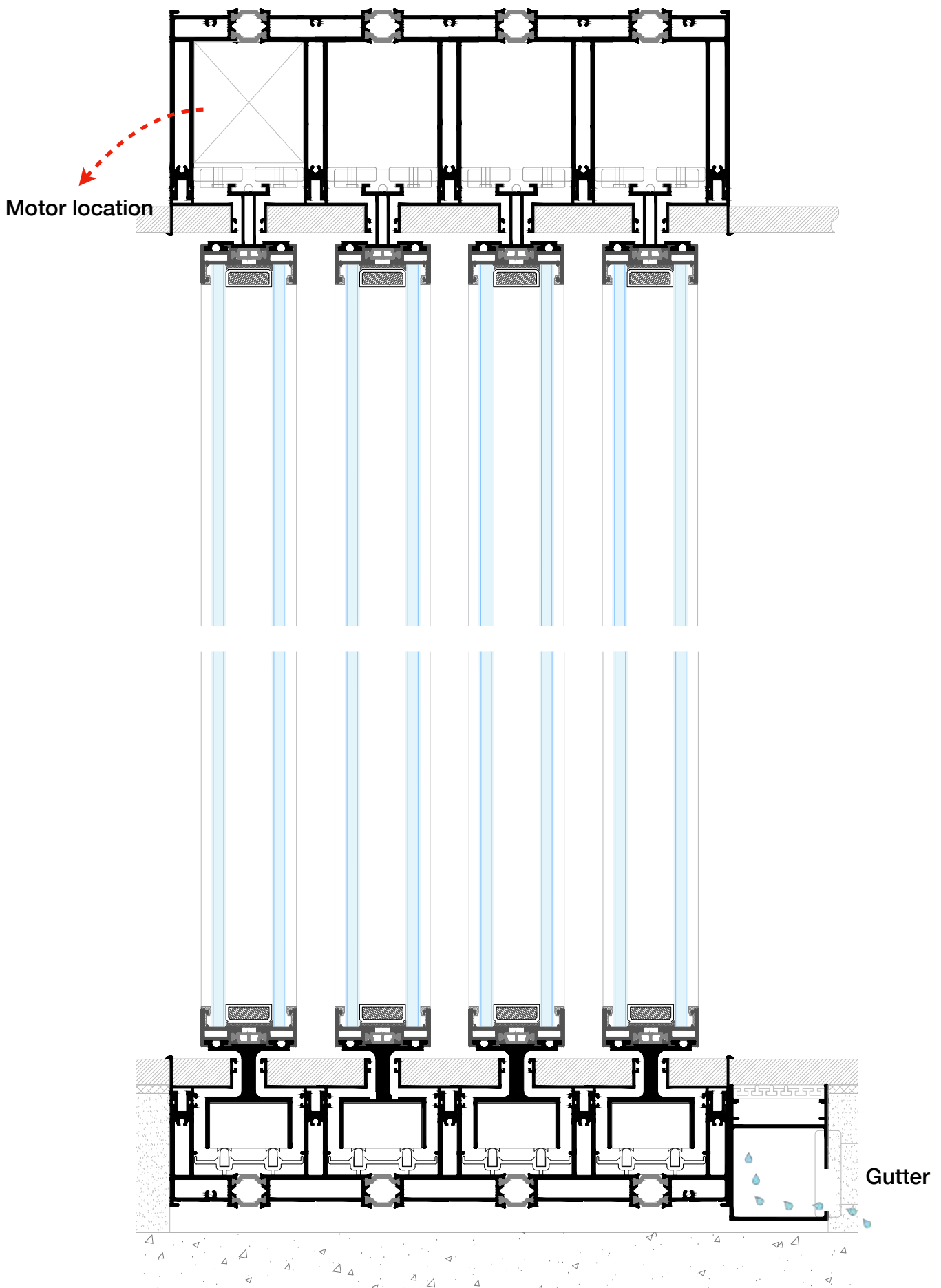
Aluminium interlock profiles with multiple depths, meticulously designed to guarantee structural stability and integrity. These versatile profiles are engineered to support different glass sizes and withstand varying wind loads.



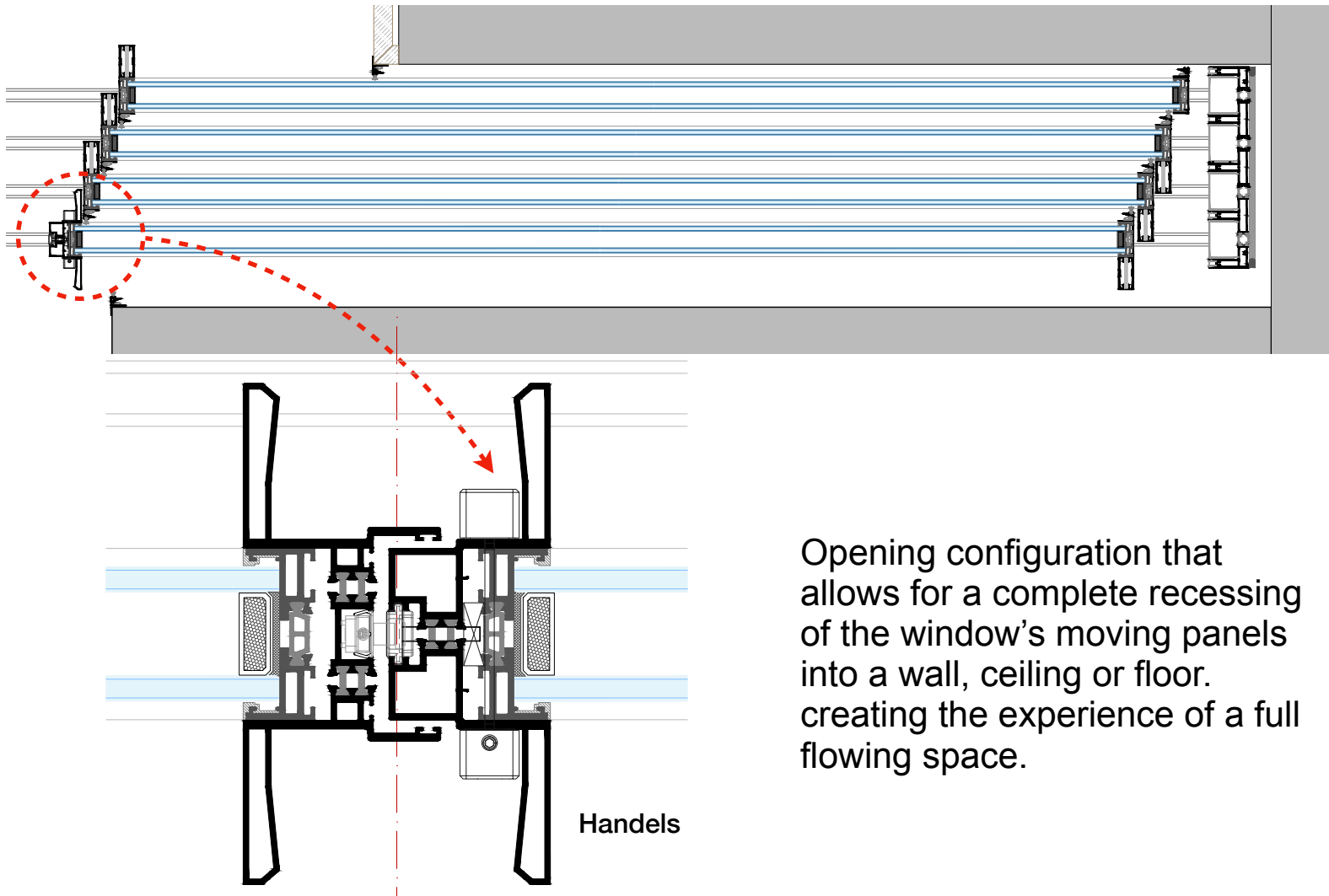
SKYSLIDE SYSTEM COMPONENTS SLIDING DOOR TYPICAL DETAILS



SKYSLIDE SYSTEM COMPONENTS SLIDING DOOR TYPICAL DETAILS



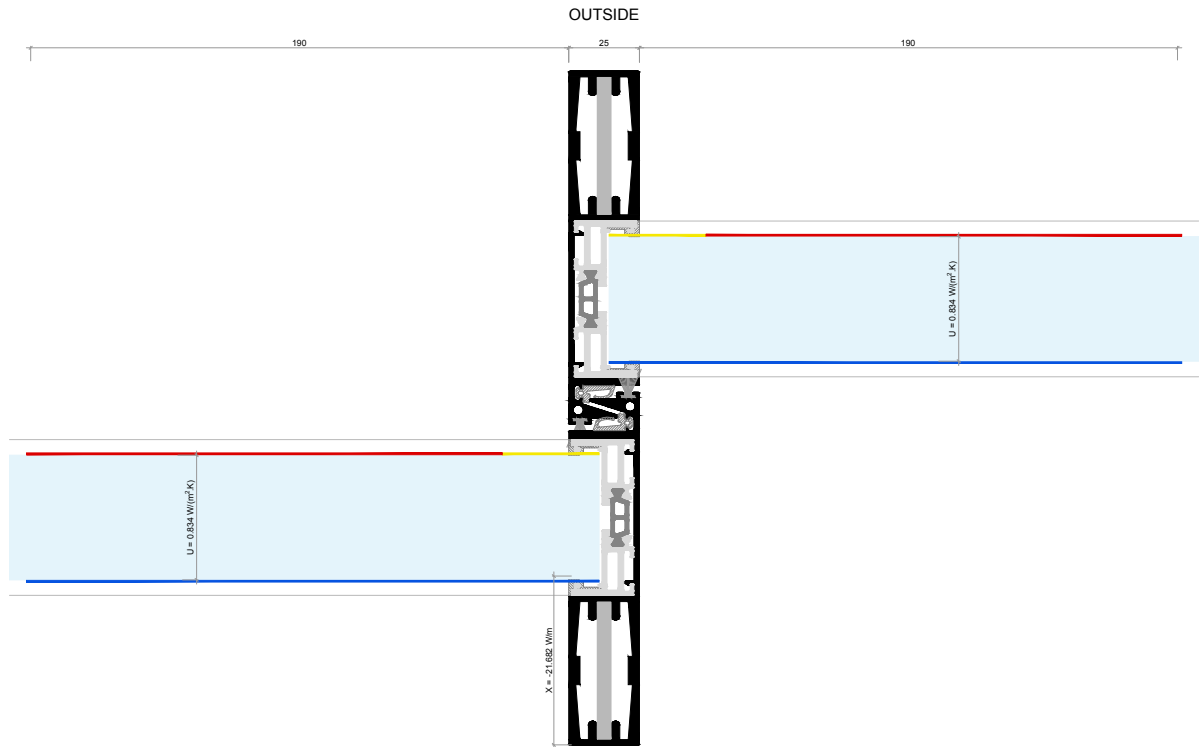
SKYSLIDE SYSTEM COMPONENTS POCKET DOOR TYPICAL DETAILS



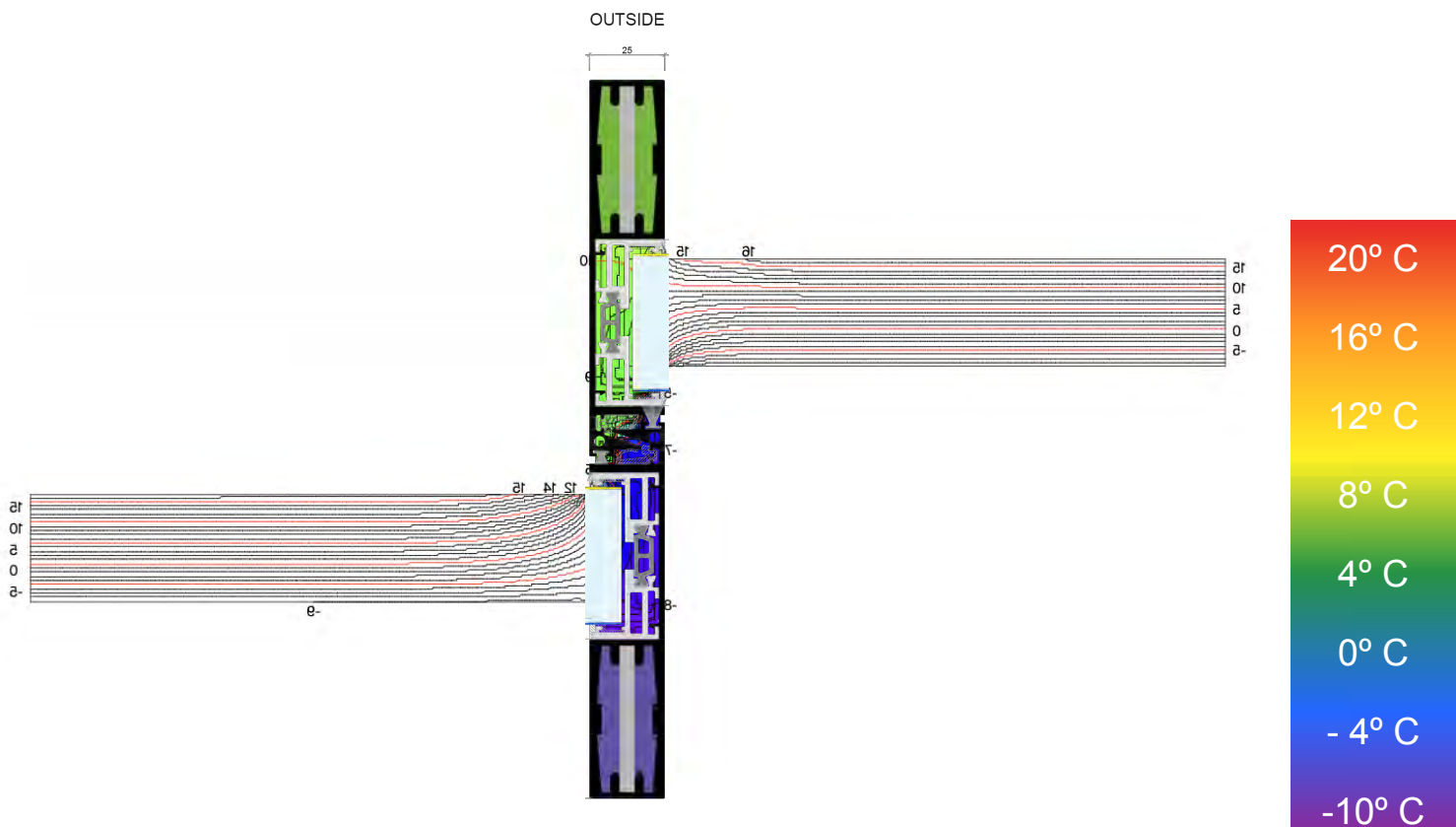
Opening configuration that allows for a complete recessing of the window's moving panels into a wall, ceiling or floor. creating the experience of a full flowing space.



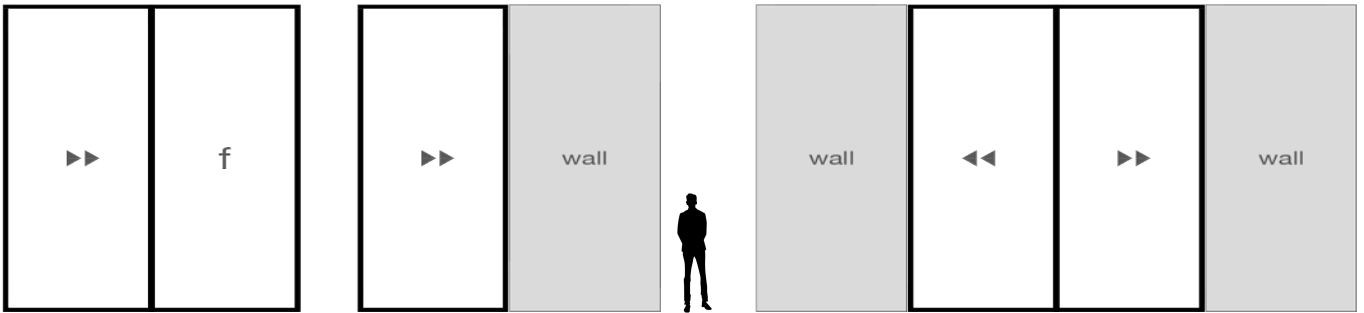
SKYSLIDE SYSTEM THERMAL PERFORMANCE



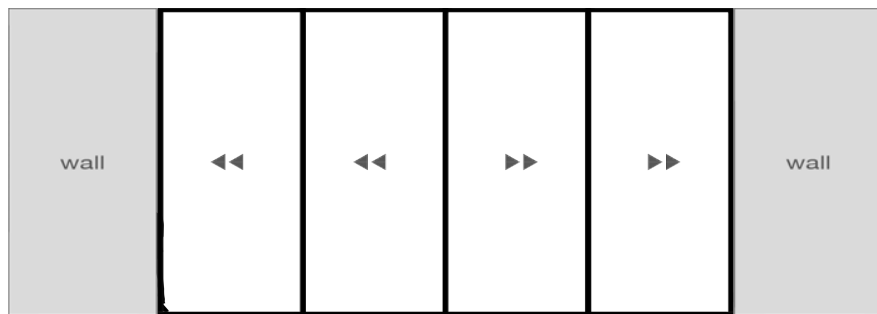
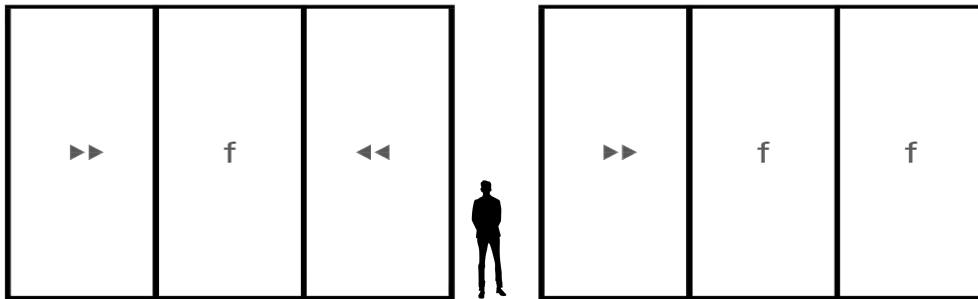
$$U_{fA,B} = \frac{\sum (U_{p1} \cdot b_{p1} - U_{p2} \cdot b_{p2})}{B} = \frac{(21.682/30.0) - 0.834 \cdot 0.190 - 0.834 \cdot 0.190}{0.022} = 18.4 \text{ W}/(\text{m}^2 \cdot \text{K})$$



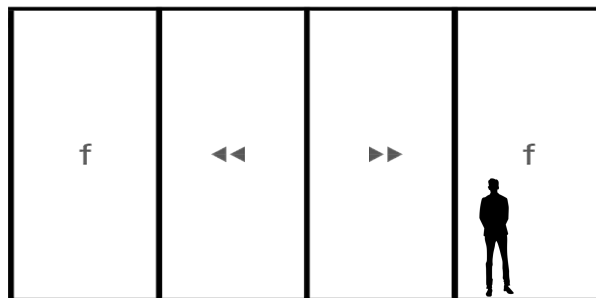
SKYSLIDE SYSTEM SLIDING PANELS DIRECTIONS



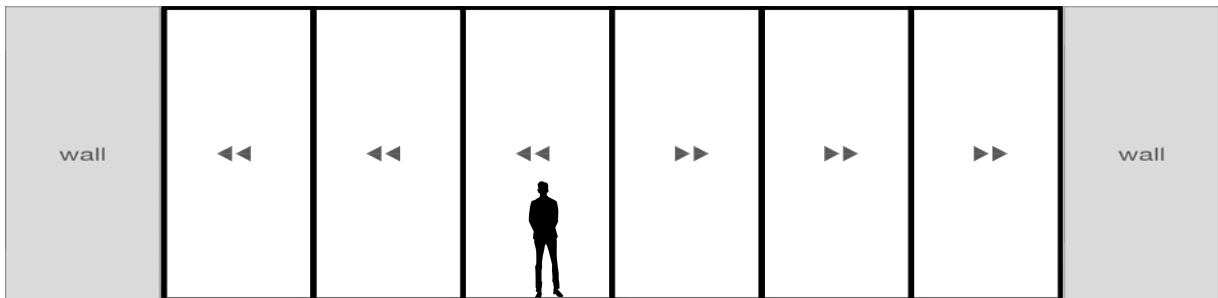
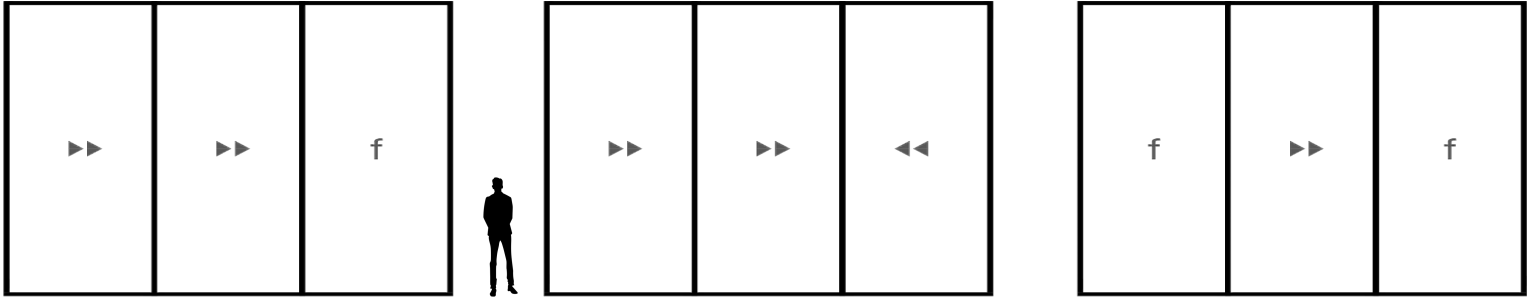
One-rail



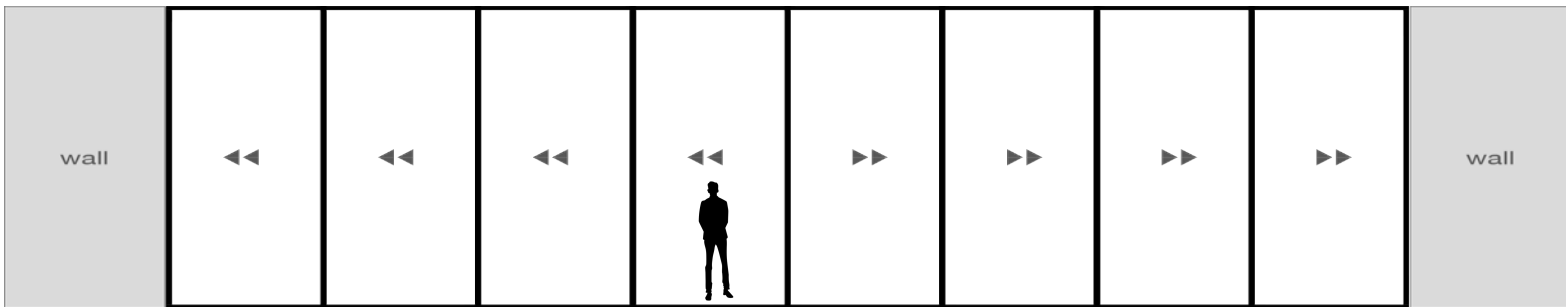
Two-rail



SKYSLIDE SYSTEM SLIDING PANELS DIRECTIONS

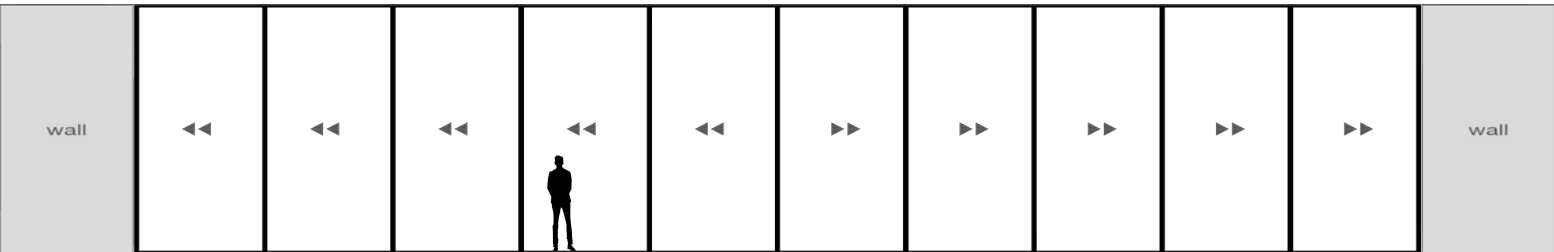
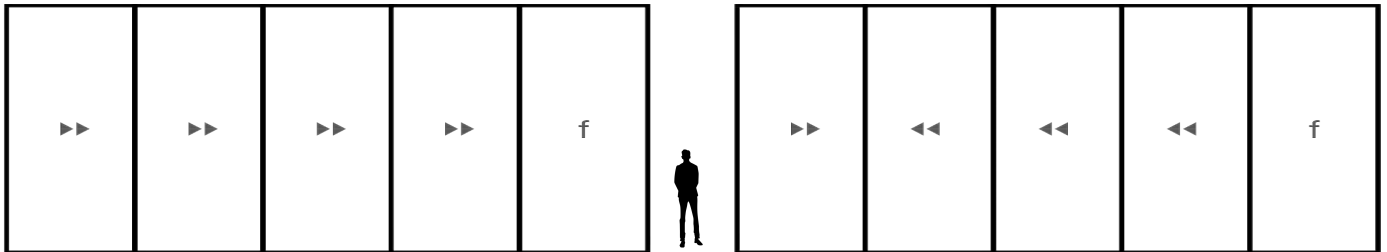
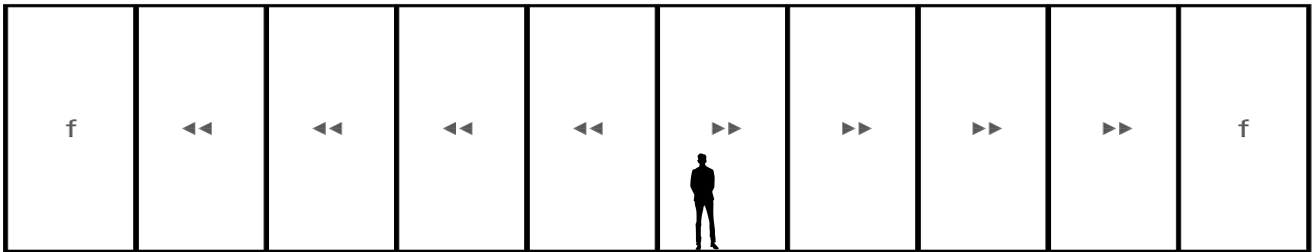


Three-rail



Four-rail

SKYSLIDE SYSTEM SLIDING PANELS DIRECTIONS



SKYSLIDE SYSTEM
HIGHLIGHTED DETAILS

SKYCLOS



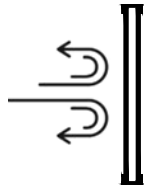
SKYSLIDE SYSTEM ALUMINUM PROFILES

SKYCLOS



Air Tightness

600 PA
Class 4 (BS EN 1026:2016)



Wind Resistance

Class B4 (BS EN 12211:2016)



Water Tightness

450 PA
Class 8A (BS EN 1027:2016)

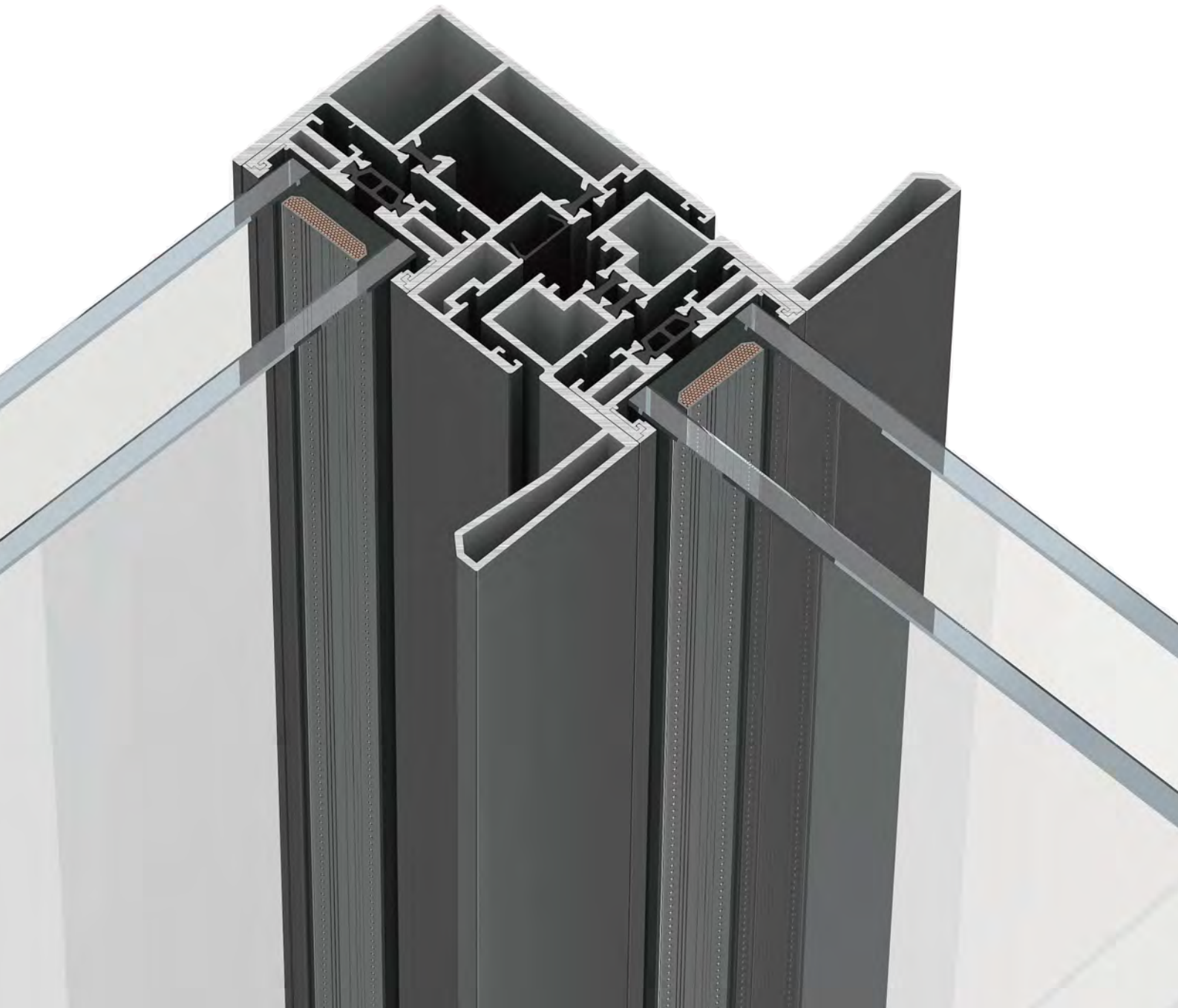
SKYSLIDE CORNER

Tailored for contemporary architectural design, SkySlide offers all kinds of corner opening solutions, fixed panels, sliding panels, pocket doors with endless count of layers.



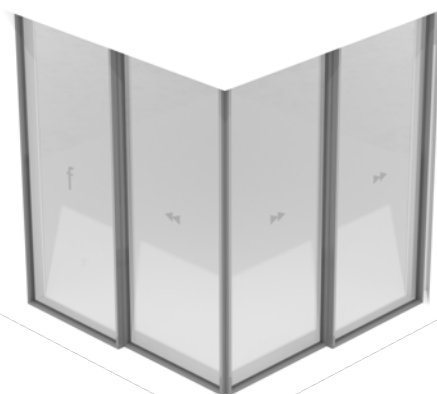
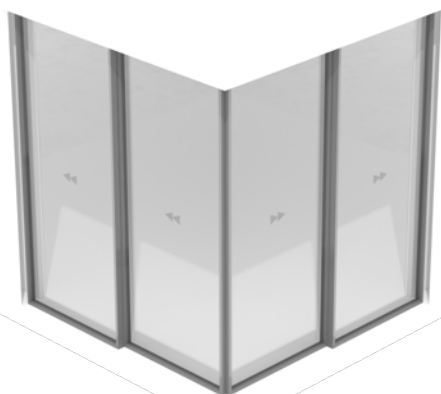
SKYSLIDE CORNER

Minimal Corner Sliding Doors & Windows

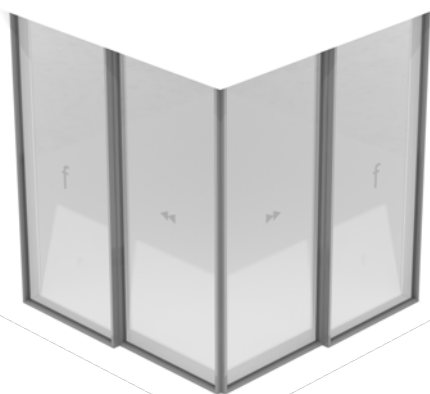


SKYSLIDE SYSTEM SLIDING PANELS DIRECTIONS

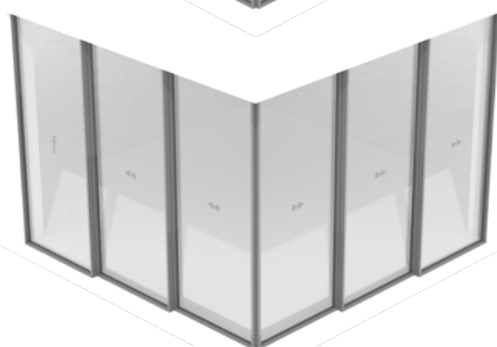
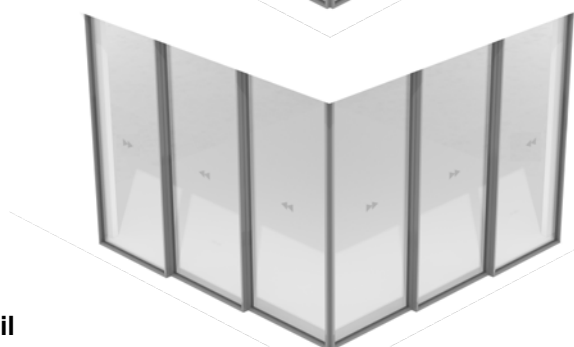
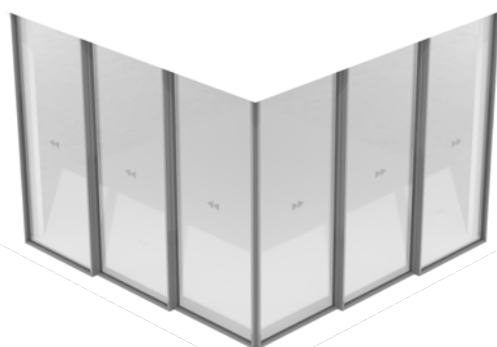
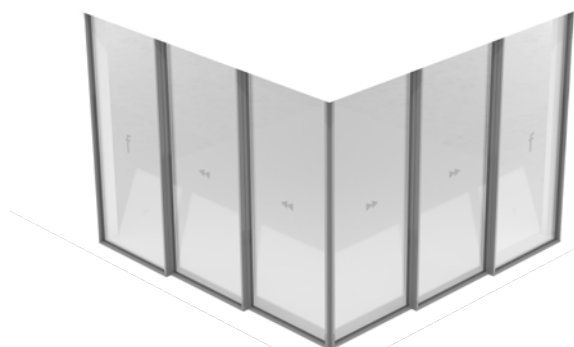
One-rail



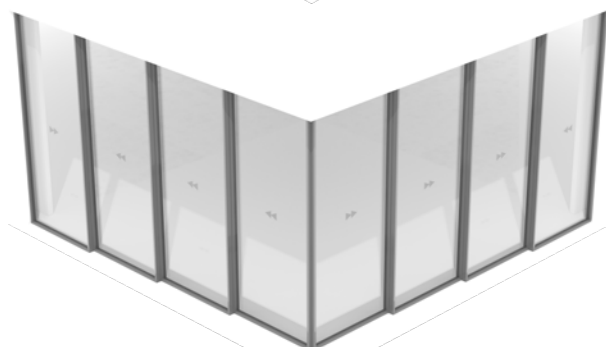
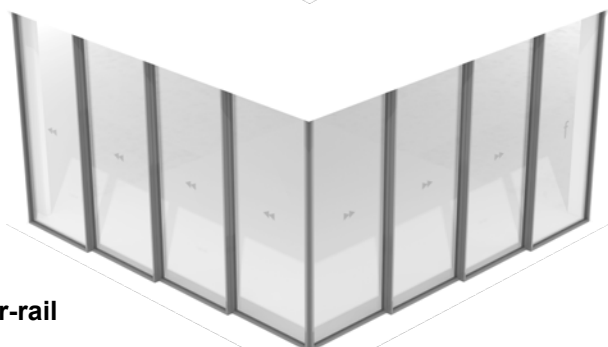
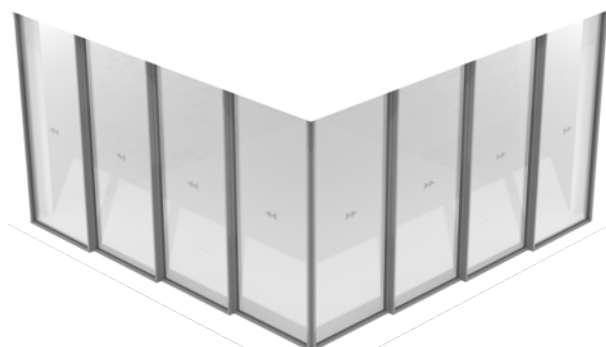
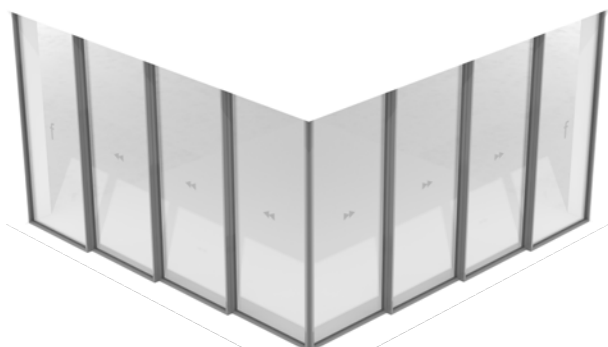
Two-rail



SKYSLIDE SYSTEM SLIDING PANELS DIRECTIONS



Three-rail



Four-rail

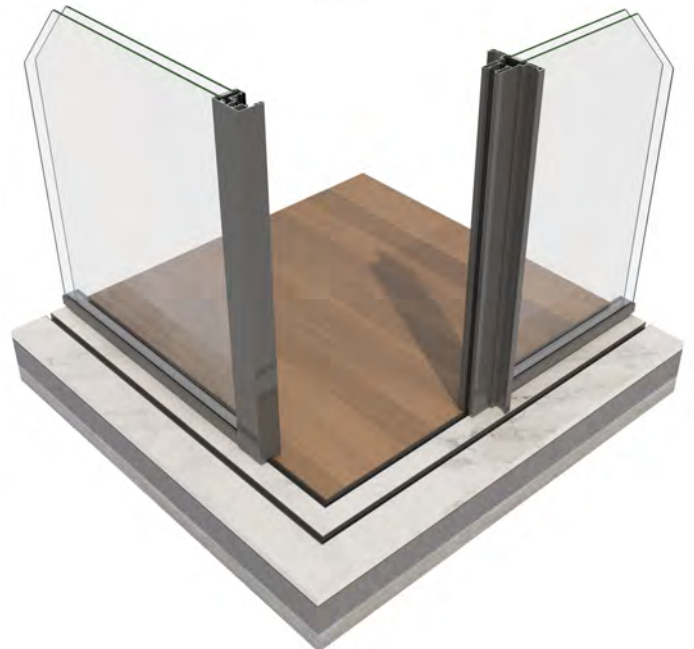
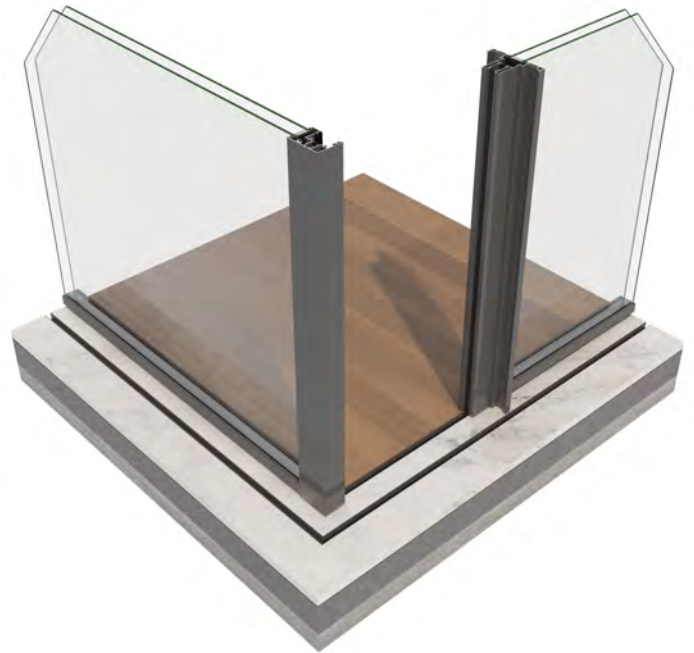
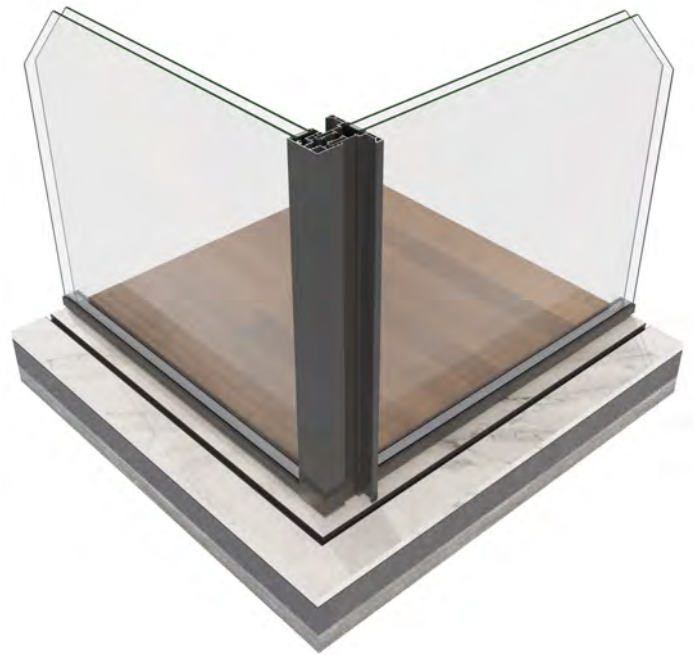
SKYSLIDE SYSTEM CORNER SLIDING OPENING

SKYCLOS

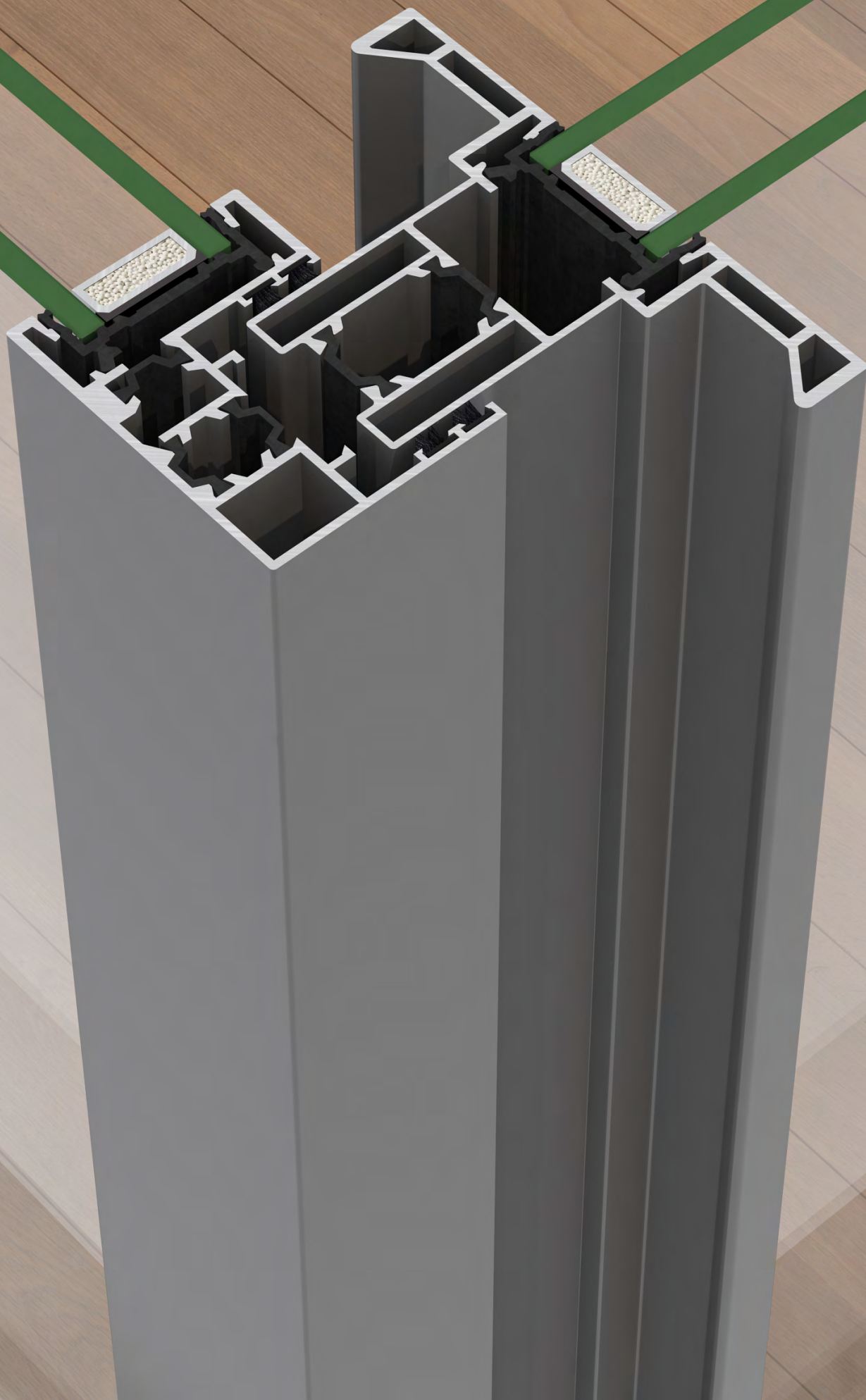
Framed corner angle setup that allows two bi-parting units to slide without the need for a fixed vertical upright.

Features

Our corner sliding system offers an elegant design that creates seemingly endless transparent surfaces with a minimalist look. The high-end aluminium sliding system combines an infinite view with impressive performance levels. The Open Corner variant connects your interior with the great outdoors as vents slide open at a 90 degree angle.



Skyslide Corner +
Specially tailored for one project



SKYSLIDE SYSTEM MOTORISATION CONTROL SYSTEM

- **Synchronized multi-panel operation** for up to four sliding panels driven by a single motor, ensuring smooth and coordinated movement with variable speeds until full opening or closing is achieved.
- **Versatile control options**, including smart devices, home automation systems, remote control, and hardwired wall switches, offering complete user flexibility.
- **Advanced safety performance** with adjustable obstacle detection and optional additional safety sensors for reliable and secure operation.
- **Intelligent self-programming system** via a bespoke smart control panel that automatically learns and sets open and close end positions.
- **Quick and efficient installation**, as the motorization system is fully pre-assembled in the factory and requires only connection to the sliding panels and a standard 230V power supply.
- **Soft-closing function** at both opening and closing end points, delivering smooth, controlled, and gentle movement.
- **High load capacity**, supporting sliding panels up to 700 kg per leaf, suitable for large scale architectural applications.
- **Adjustable speed settings** to accommodate different panel sizes, weights, and individual client preferences.
- **Ultra-silent operation**, designed for maximum comfort without audible disturbance.
- **Integrated backup battery**, ensuring uninterrupted operation in the event of a power failure.
- **Manual operation mode**, providing added convenience and operational security when required.



SKYCYLOS

SKYWALL



SKYWALL

SkyWall, Our cutting-edge minimal curtain wall system. Featuring slim aluminium mullions and transoms with a width of 35 mm and offering diverse depths, this meticulously crafted system is engineered to seamlessly incorporate a range of glass panels while effectively enduring fluctuating wind loads

SkyWall designs have been engineered for seamless integration with all our minimal systems, the mullion depths have been adapted to match the minimal sliding systems frame depth and can serve as their extension in a demanding façade. mullion face width has been reduced to 35mm.

The curtain wall features seamless integration with minimal sliding, minimal casement windows, minimal hinged doors, minimal pivot doors, minimal fold slide, and minimal pivot slide.

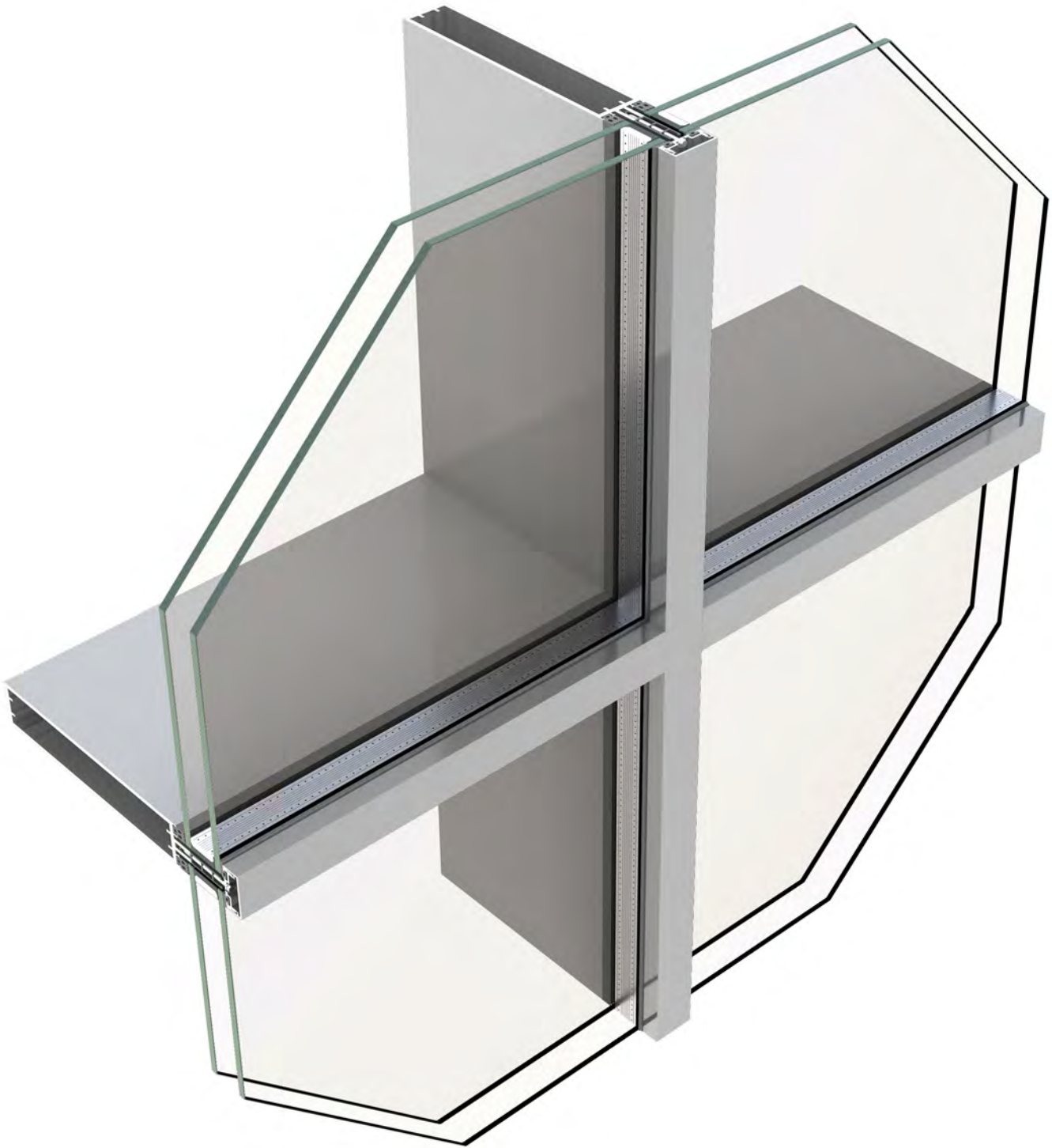


SKYLIGHT

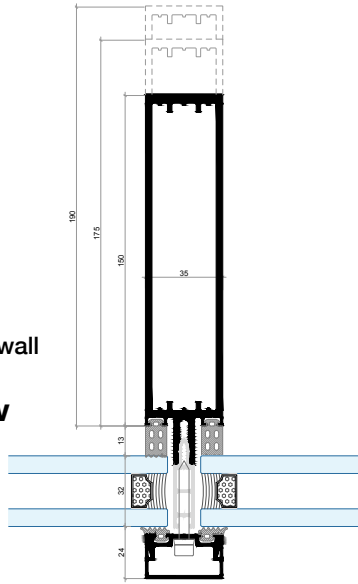


SKYWALL

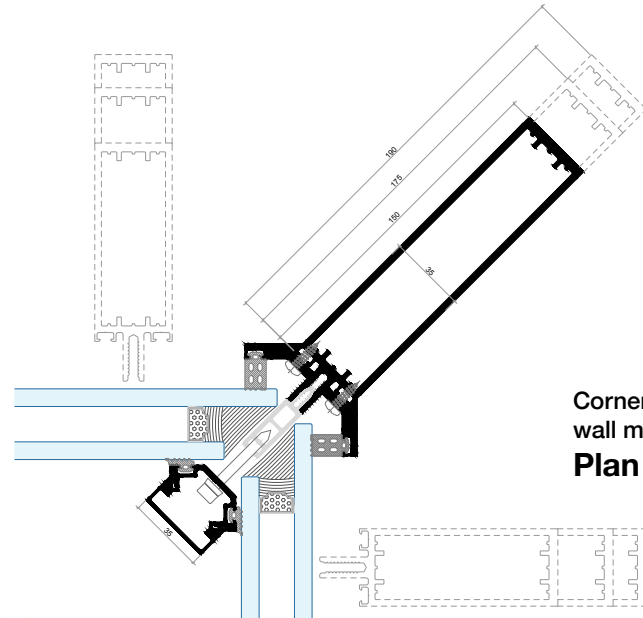
Minimal Curtain Wall Facades



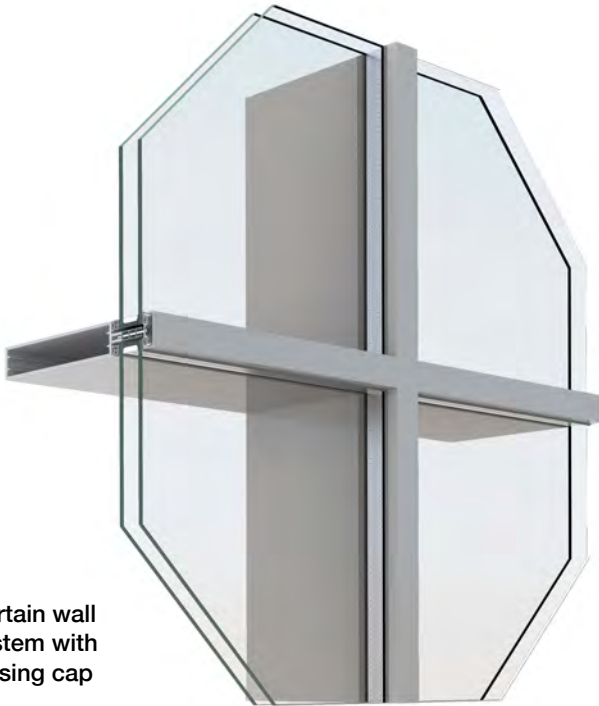
Flat curtain wall mullion
Plan view



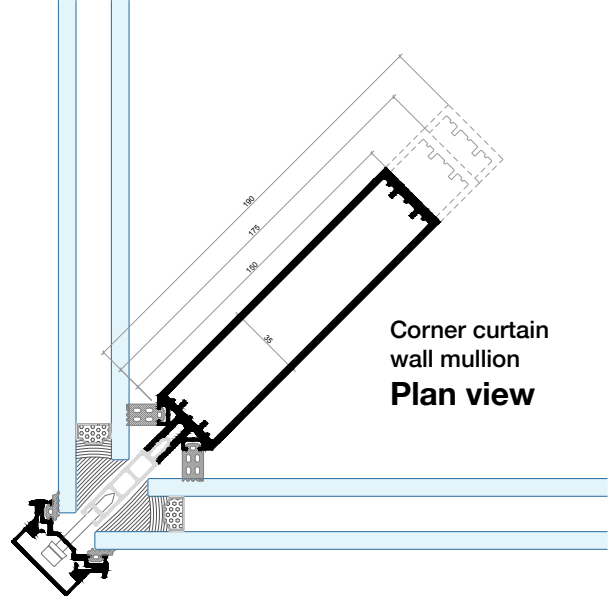
Corner curtain wall mullion
Plan view



Curtain wall system with closing cap

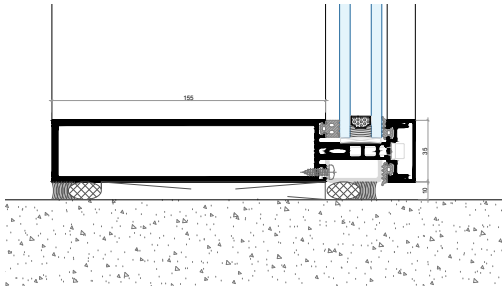


Corner curtain wall mullion
Plan view

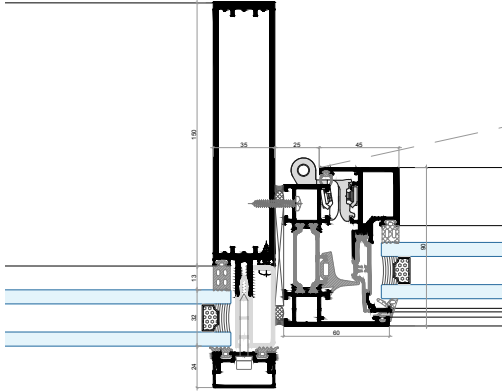


Curtain wall system with silicon sealant

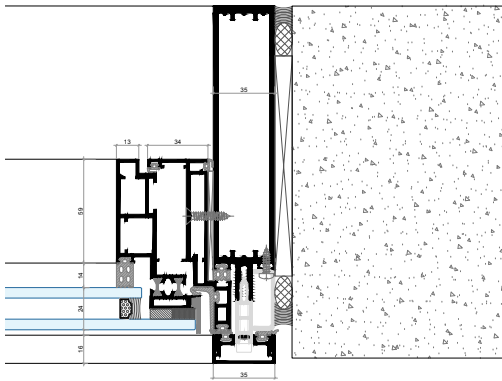




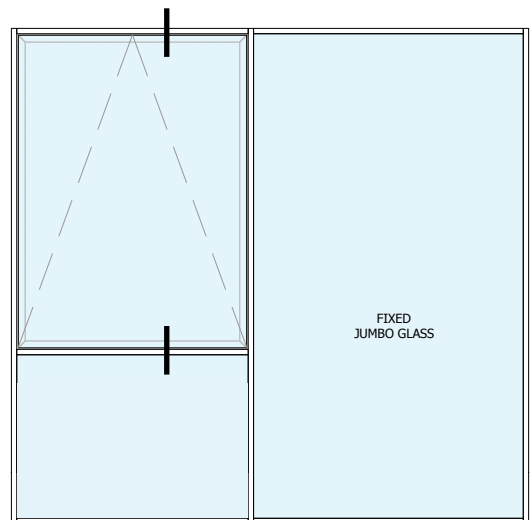
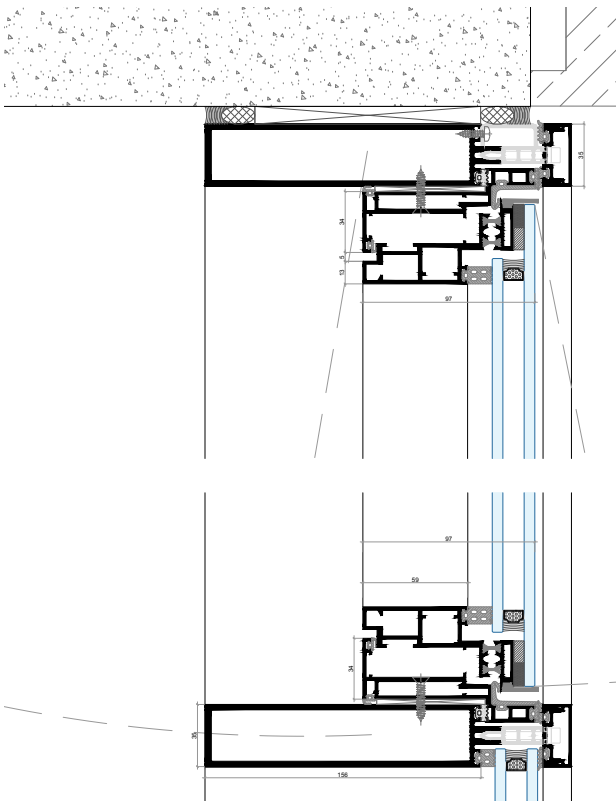
Skywall 35mm width bottom transom
Vertical view



Skyhinged door 90mm width connected to Skywall
35mm width vertical mullion
Plan view



Skyhinged fixed panel profile connected to Skywall
35mm width vertical mullion
Plan view



Skywall 35mm width system with top
hinged window
Elevation view

SKYCYLOS

SkyHinge



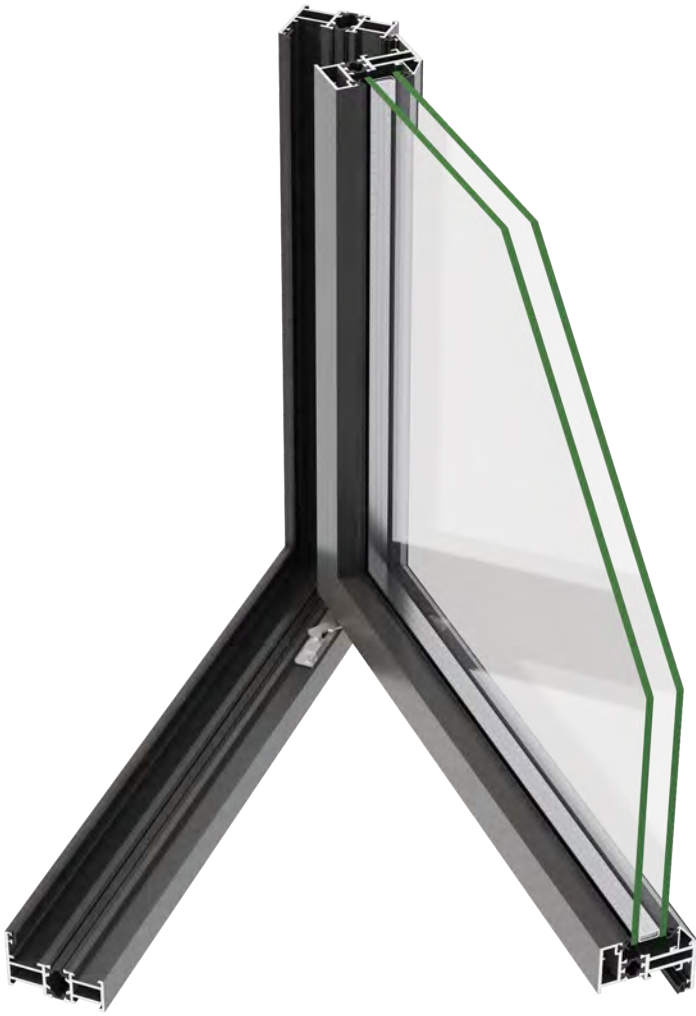
SKYHINGE

Minimal Casement Doors & Windows

Skyhinge systems are designed to embody a minimalist aesthetic while delivering outstanding performance and efficiency. With clean lines, slim profiles, and thoughtfully engineered details, they integrate seamlessly into both contemporary and traditional architecture. Precision-crafted for durability, thermal efficiency, and smooth operation, each system meets the highest architectural needs and technical requirements. The result is a versatile solution that enhances natural light, ventilation, and visual clarity without compromising on comfort, functionality, or design integrity.



SKYHINGE SYSTEM FRICTION STAY



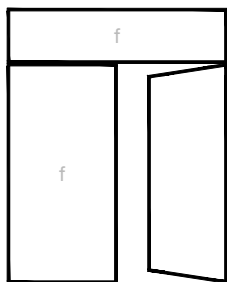
Concealed hinges enhances the elegance of casement windows by preserving clean, uninterrupted lines. With all hardware hidden from view, the window's design remains sleek and refined, showcasing precision and quality craftsmanship. This discreet solution blends seamlessly with both modern and classic interiors while ensuring smooth and reliable operation



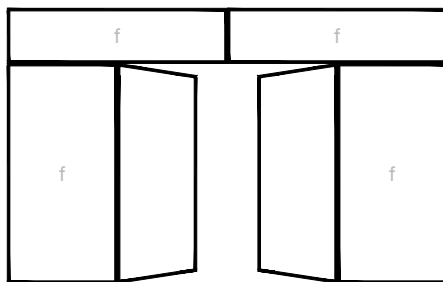
SKYHINGE SYSTEM

Comprehensive Casement Solutions

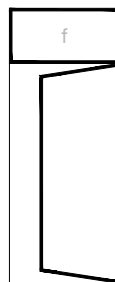
Our casement window and door systems are engineered to accommodate every architectural requirement, offering a complete range of opening configurations and fixed combinations to meet all design, functional, and performance needs specified by architects.



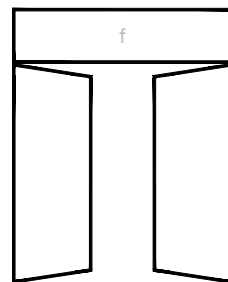
SIDE FIX + SINGLE DOOR



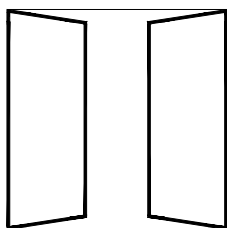
TOP FIX + SIDE FIX + DOUBLE DOOR



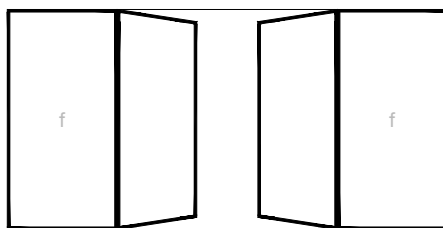
TOP FIX + SINGLE DOOR



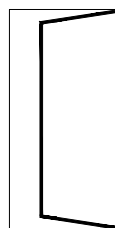
TOP FIX + DOUBLE DOOR



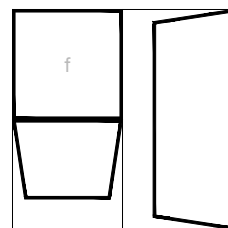
DOUBLE DOOR



SIDE FIX + DOUBLE DOOR



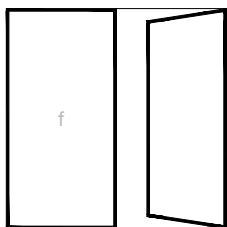
SINGLE DOOR



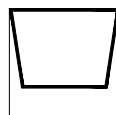
FIX + TOP HUNG + OPENABLE



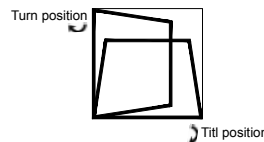
FIX



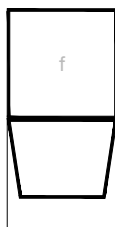
FIX + SINGLE DOOR



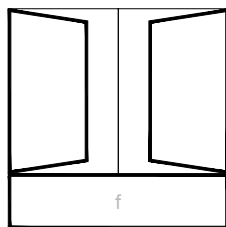
TOP HUNG



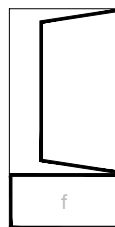
TILT & TURN



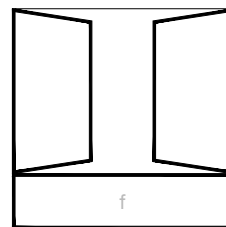
FIX + TOP HUNG



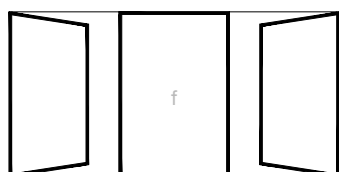
DOUBLE OPENABLE + MULLION + FIX



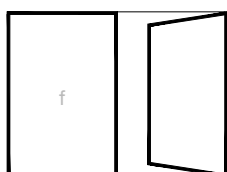
SINGLE OPENABLE + FIX



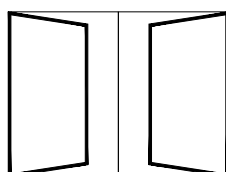
DOUBLE OPENABLE + FIX



DOUBLE OPENABLE + CENTER FIX



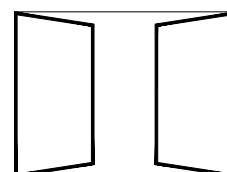
FIX + SINGLE DOOR



DOUBLE OPENABLE + MULLION

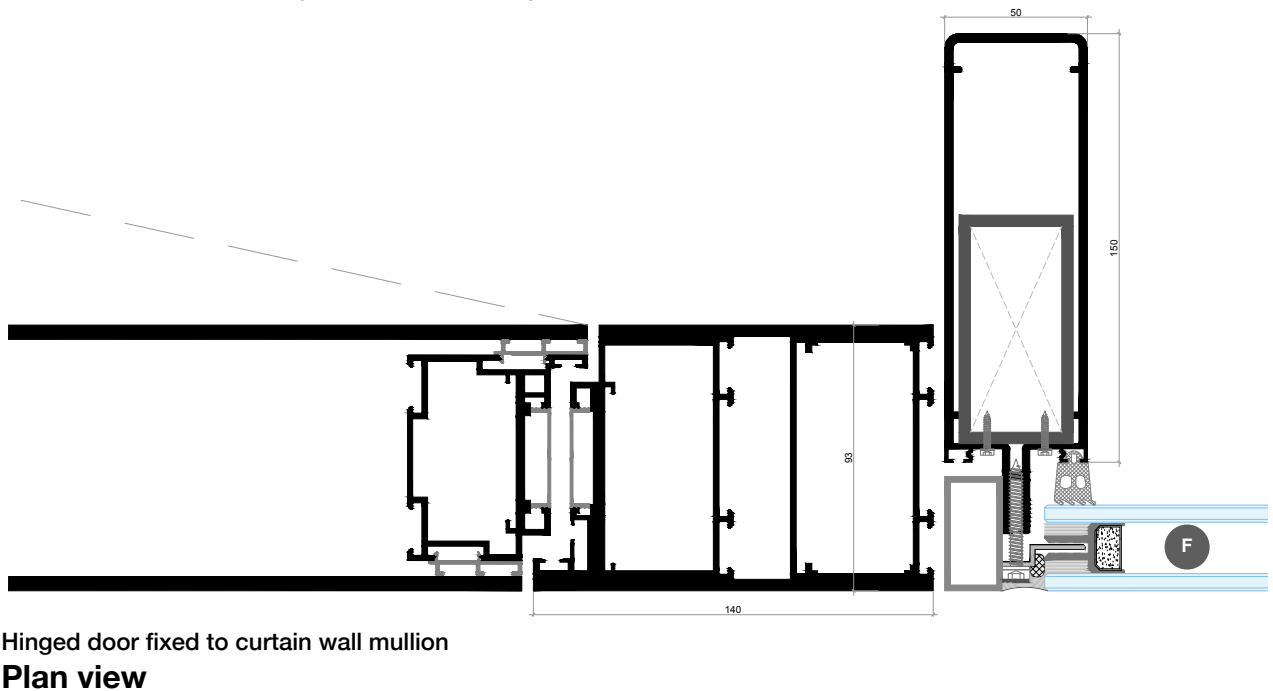
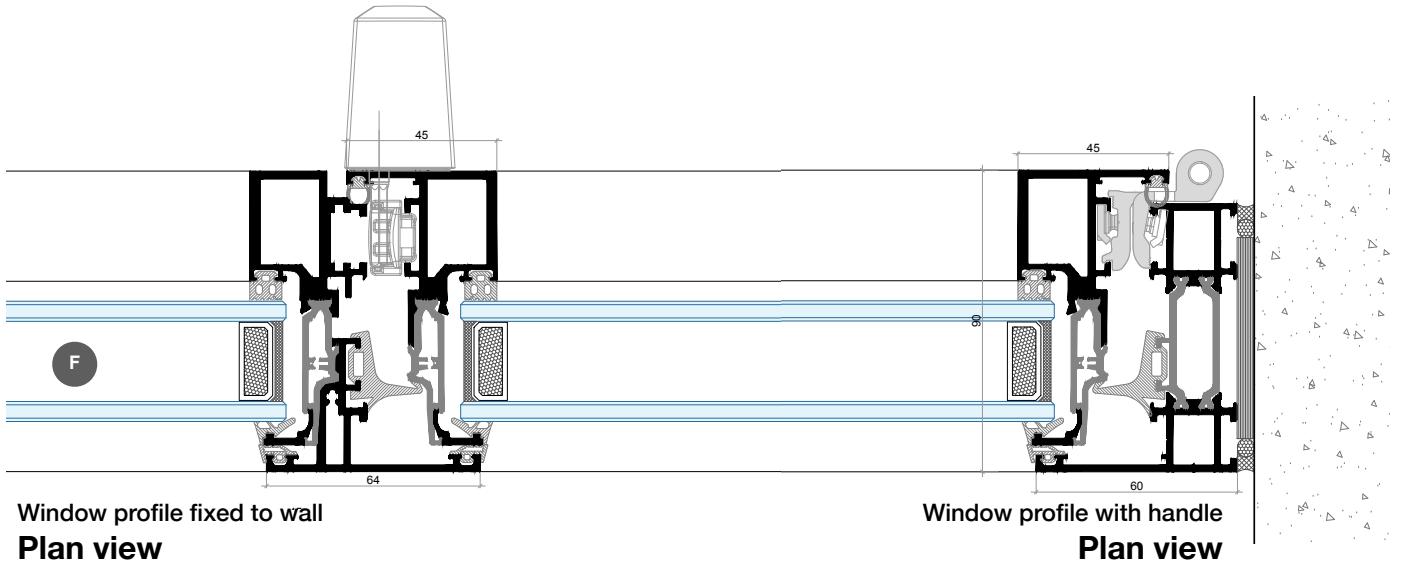
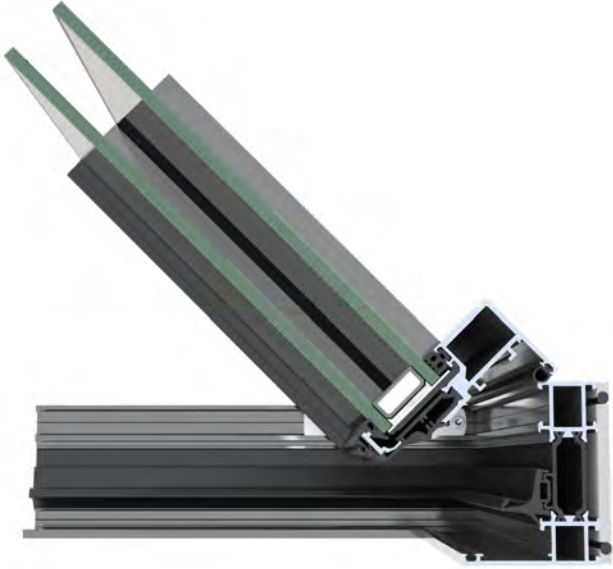


SINGLE OPENABLE

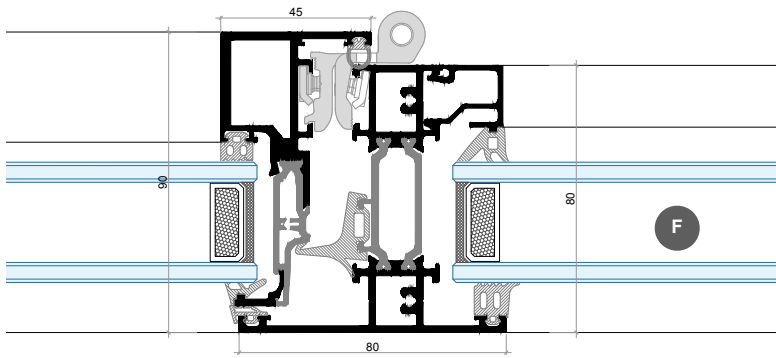
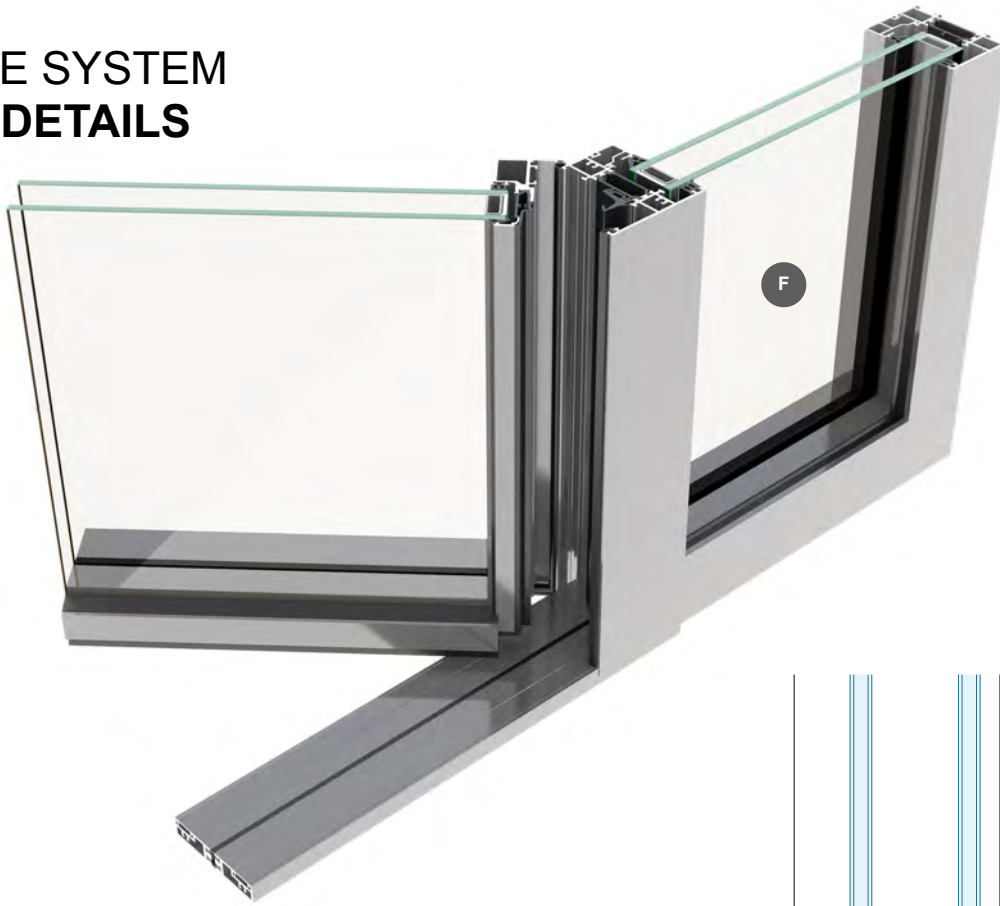


DOUBLE OPENABLE

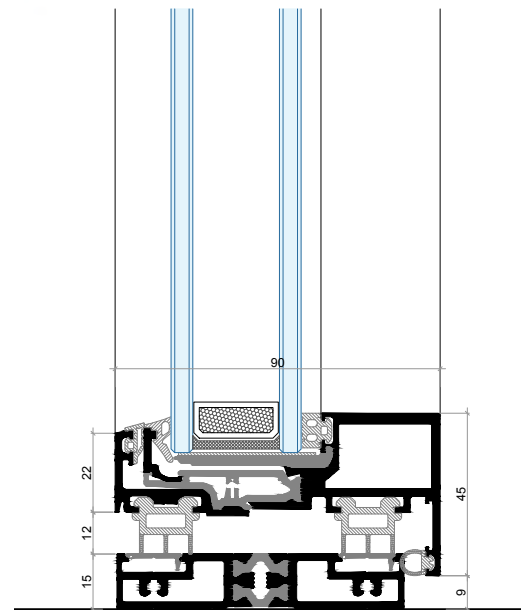
SKYHINGE SYSTEM TYPICAL DETAILS



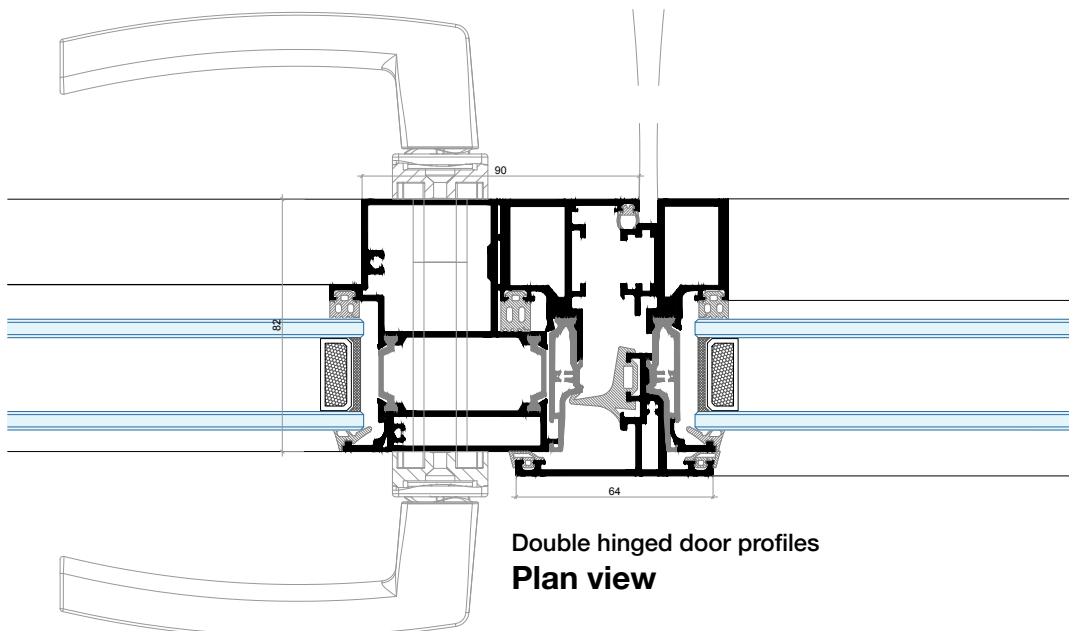
SKYHINGE SYSTEM TYPICAL DETAILS



Hinged door profile fixed to fixed panel
Plan view



Hinged door profile with bottom profile
Vertical section view



Double hinged door profiles
Plan view

**SKYHINGE SYSTEM
TOP HUNG**



**SKYHINGE SYSTEM
WITH FIXED PANELS**



SKYHINGE SYSTEM HARDWARE



SKYCYLOS

SKYPIVOT

Elegance in Motion



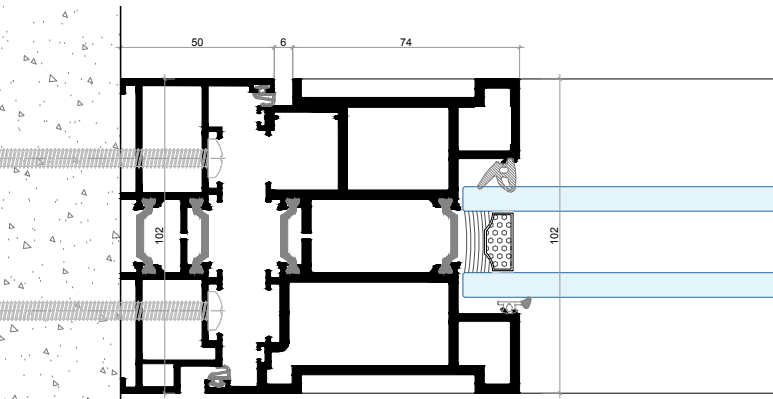
Elegance in Motion

Skypivot system expresses elegance through clean lines, smooth movement, and a minimalist design that complements modern architectural spaces

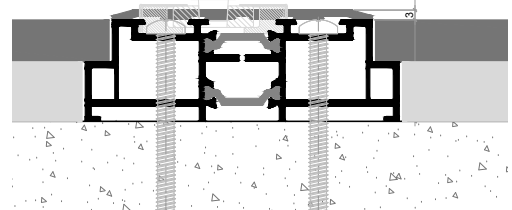
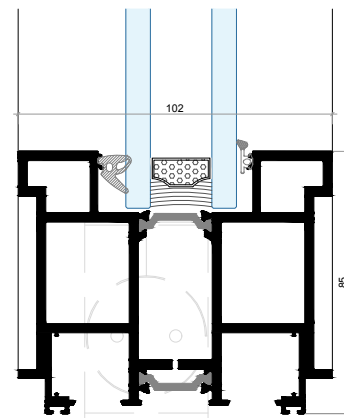
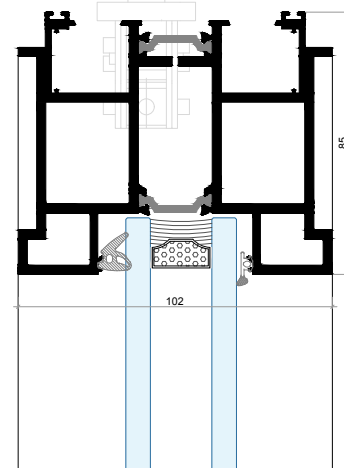
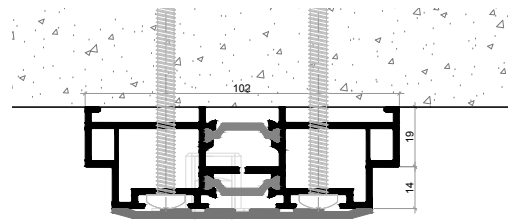
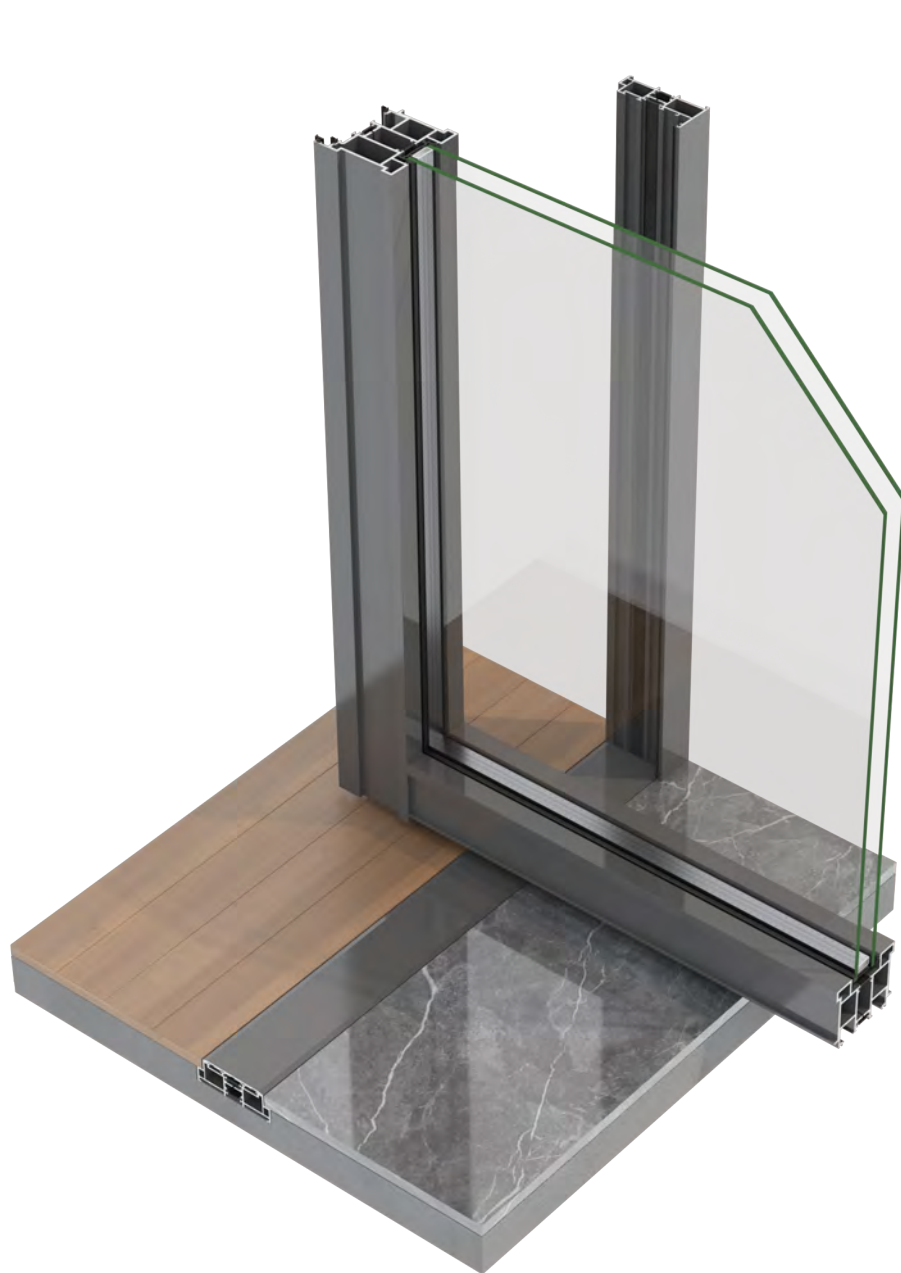
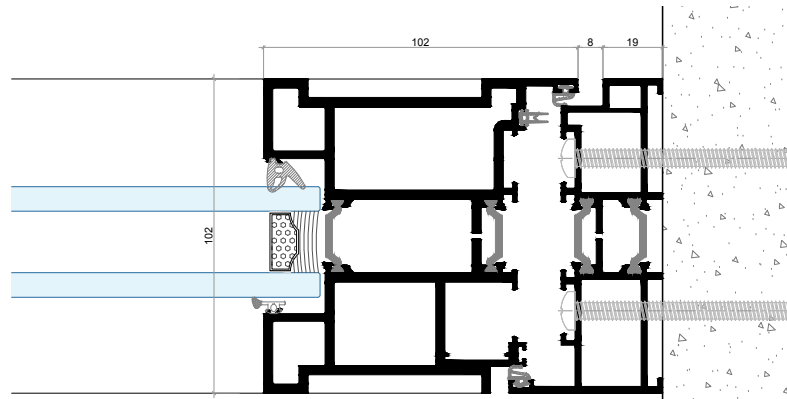




SKYHINGE SYSTEM TYPICAL DETAILS



Pivot door
Plan view



Pivot door
Vertical section

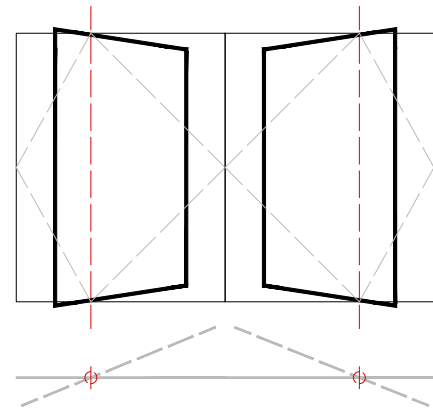
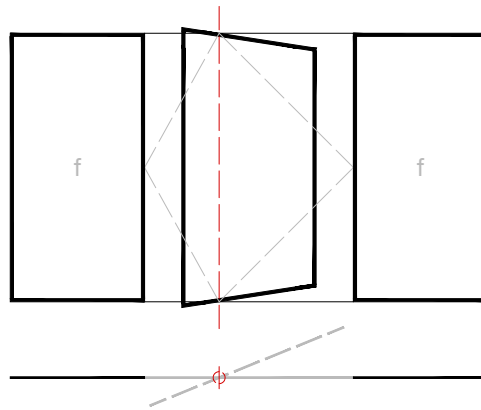
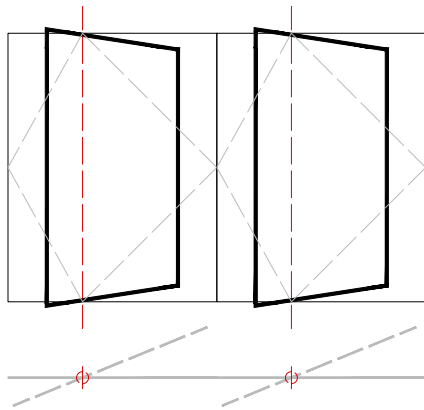
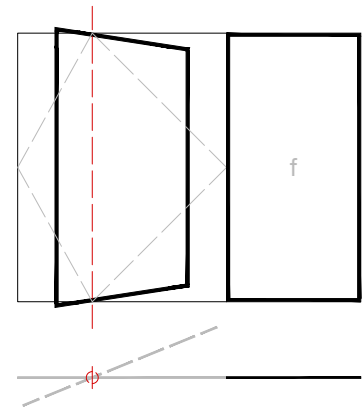
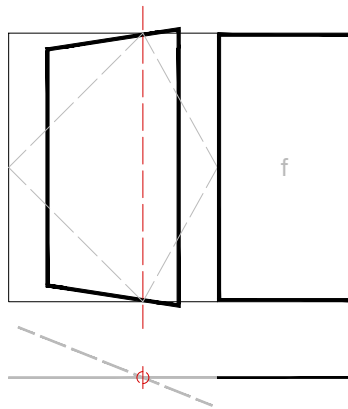
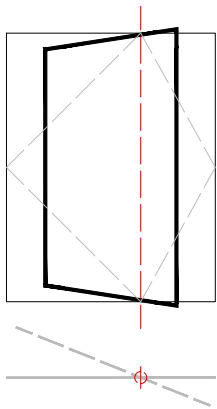
Elegance in Motion



Skypivot entrance doors for luxury villas are architectural statements shaped by the architect's vision. With flexible design options and a wide selection of premium finishes, they create bold, refined entrances that express individuality and luxury

SKYPIVOT SYSTEM

OPENING PANELS DIRECTIONS



Skypivot excels as an exterior opening system comprising a balanced combination of thermal and acoustic behavior, suited to all climates. It is a system that allows double glazed surface areas of up to 19m², with our slim vertical profiles.

pivot: opening system that functions by means of a pivoting component with a central or side rotation axis, allowing the execution of large glass surfaces.

The maximum height is 6000mm

SKYCYLOS

SKYVINTAGE

Inspired by Heritage, Built for Today.



SKYVINTAGE

Sky Vintage is a refined aluminum window system inspired by classic architectural design and timeless aesthetics. Combining traditional proportions with modern aluminum engineering, Sky Vintage delivers elegance, durability, and smooth performance. Designed for projects that value character and heritage, the system offers reliable functionality while preserving a vintage appearance, making it ideal for residential and architectural applications that demand both style and long-lasting quality.



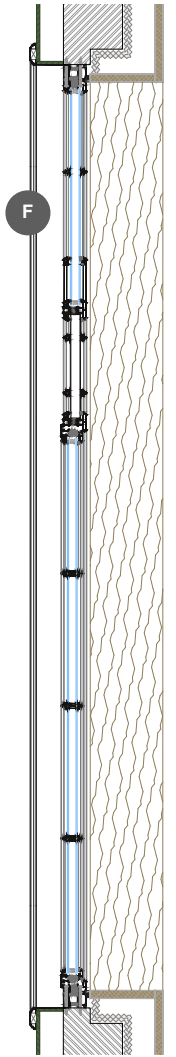




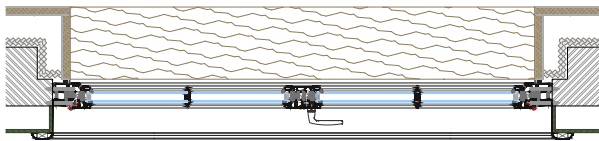
External elevation



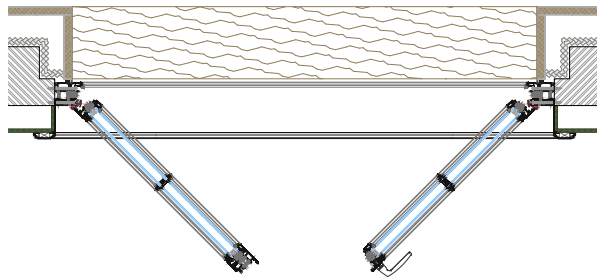
Internal elevation with aluminum classic architrave



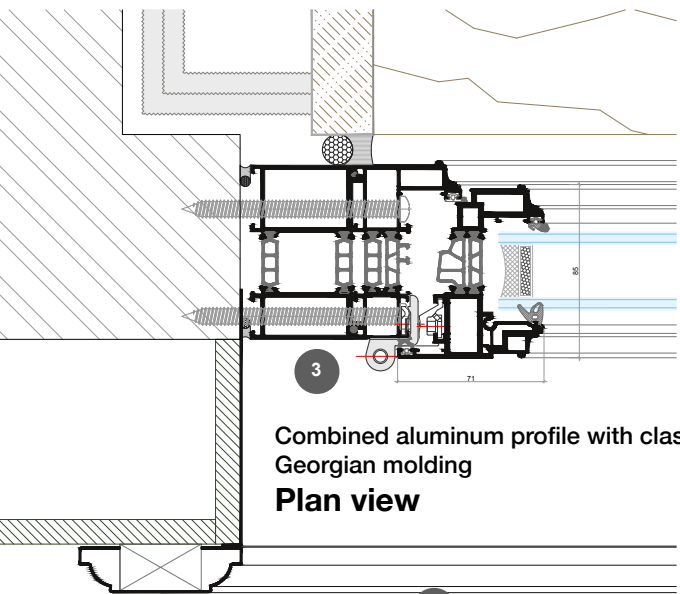
Vertical section



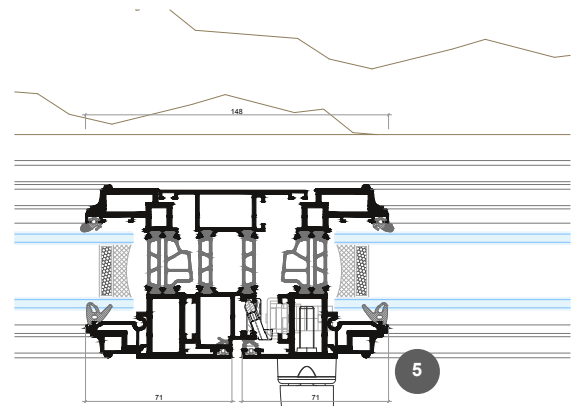
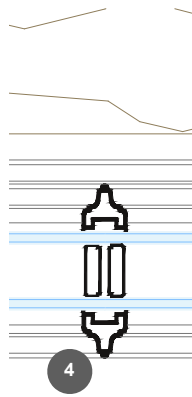
Double hinged window closed
Plan view



Double hinged window opened
Plan view

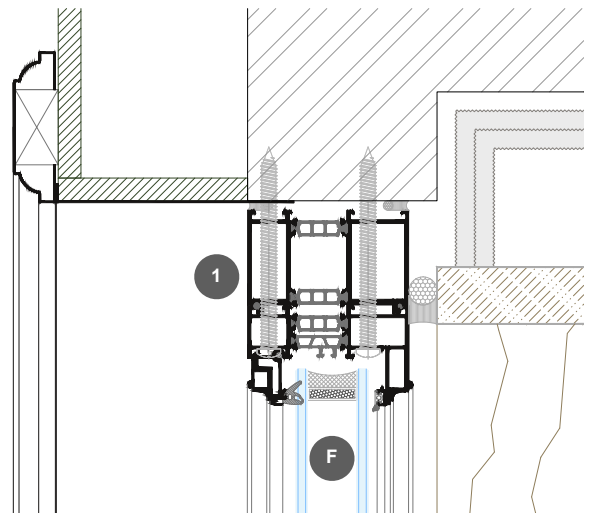


Combined aluminum profile with classic Georgian molding
Plan view

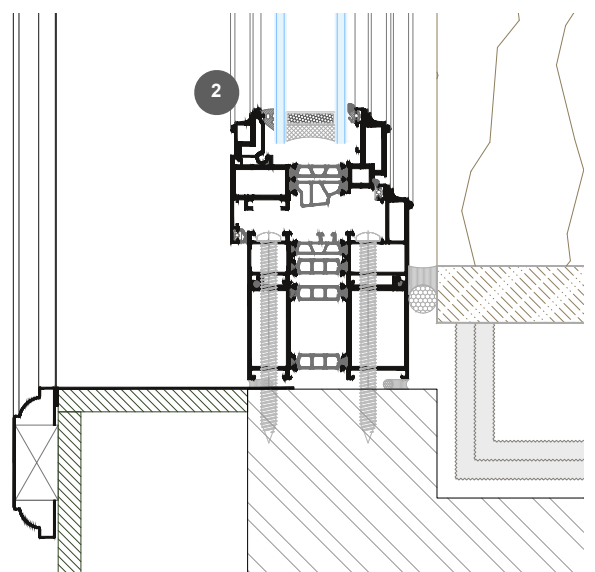


Double hinged window profiles with classic Georgian molding
Plan view

Architrave profile



Fixed window panel profile with molding fixed to wall
Vertical view



Hinged window profile with molding
Hinges over fixed aluminum profile
Vertical view


ALUMINUM PROFILE FINISHES MAIN FINISHES

All Skyclos® System series guarantee that the following finishes are carried out, directives: anodized, satin, polished and repellent. And a coating film forming, stained coating system, water-based, with all colors available.




SKYCLOS



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